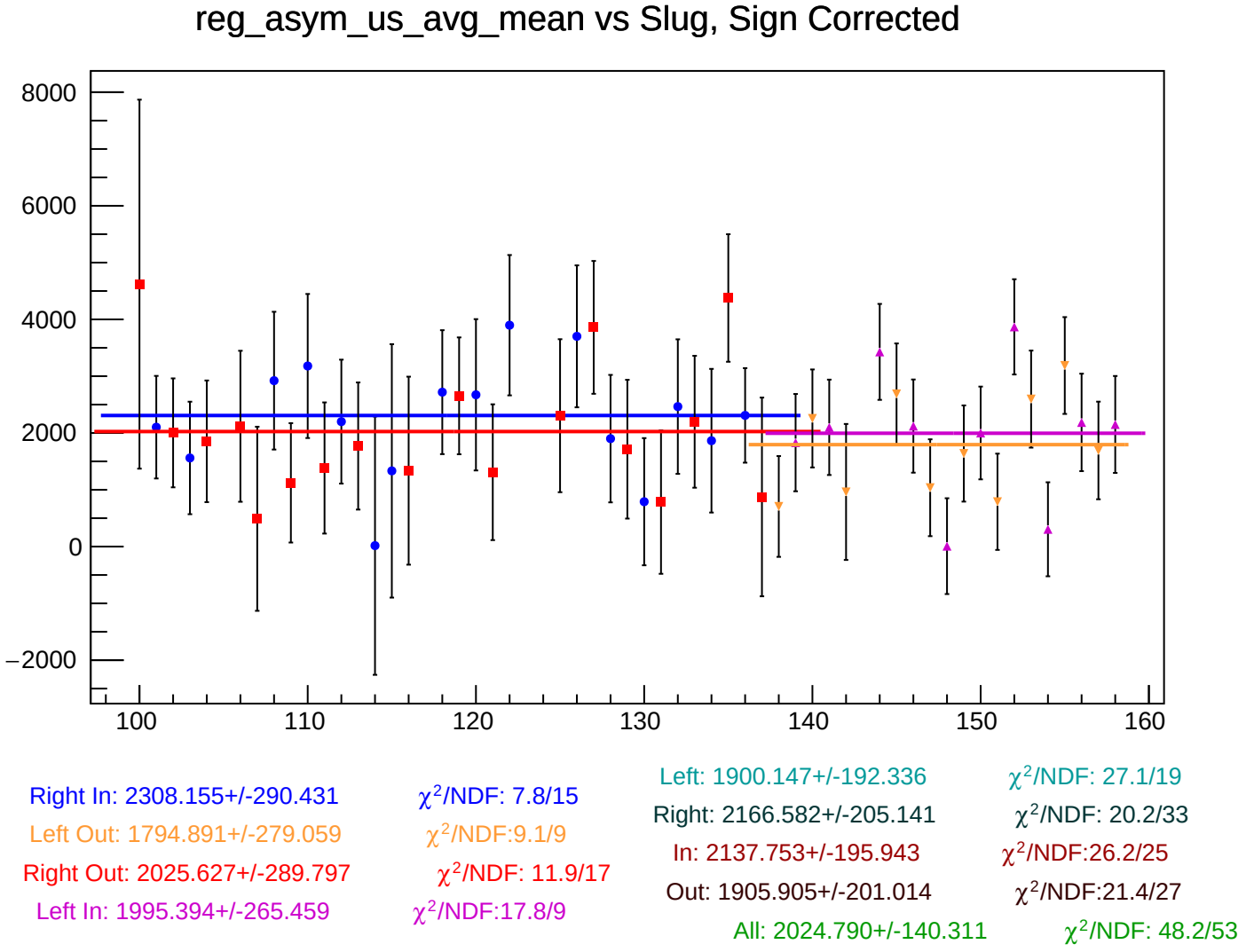
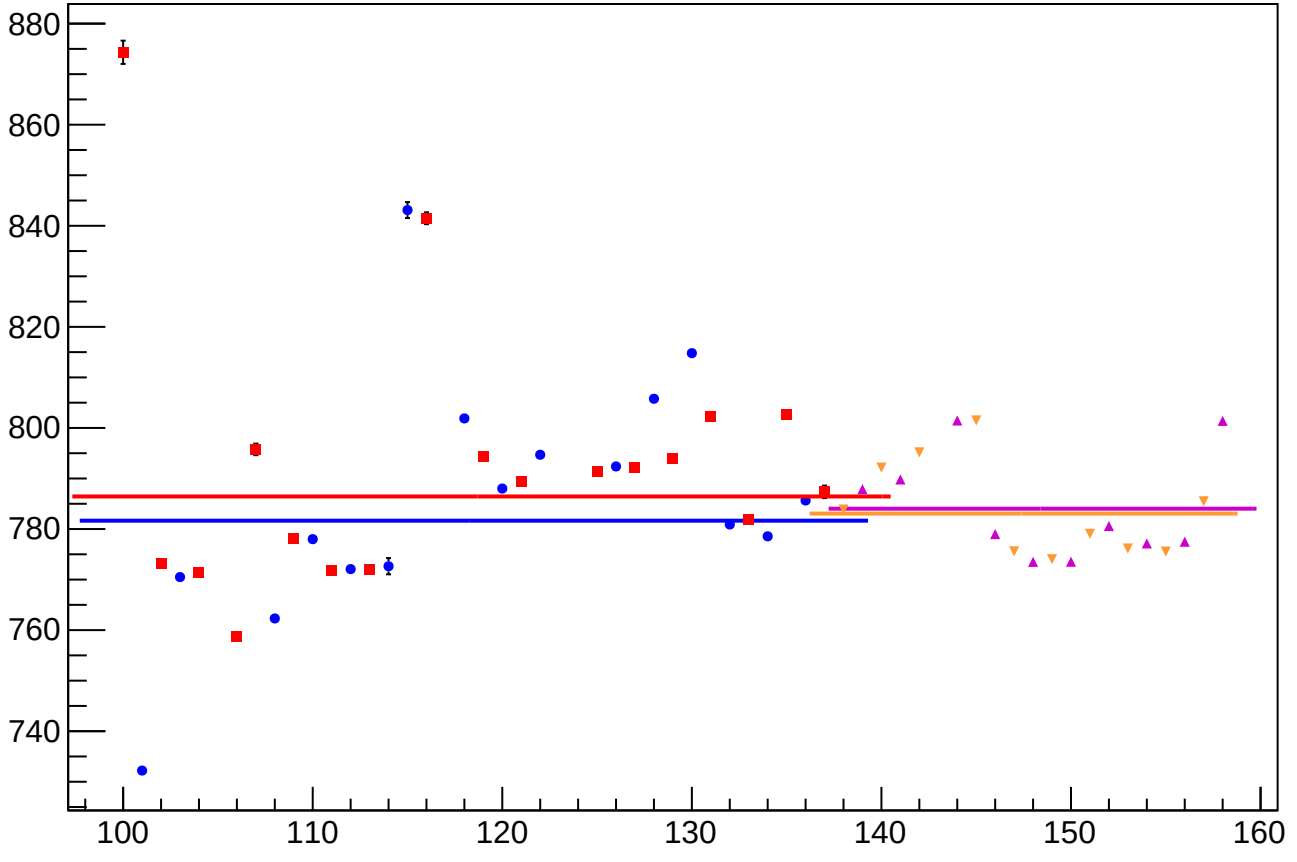

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1794.891+/-279.059 χ²/NDF:9.1/9
Right Out: 2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: 1995.394+/-265.459 χ²/NDF:17.8/9
Left: 1900.147+/-192.336 χ²/NDF: 27.1/19
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2137.753+/-195.943 χ²/NDF:26.2/25
Out: 1905.905+/-201.014 χ²/NDF:21.4/27
All: 2024.790+/-140.311 χ²/NDF: 48.2/53

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 783.057+/-0.197 χ^2/NDF:2016.5/9

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

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

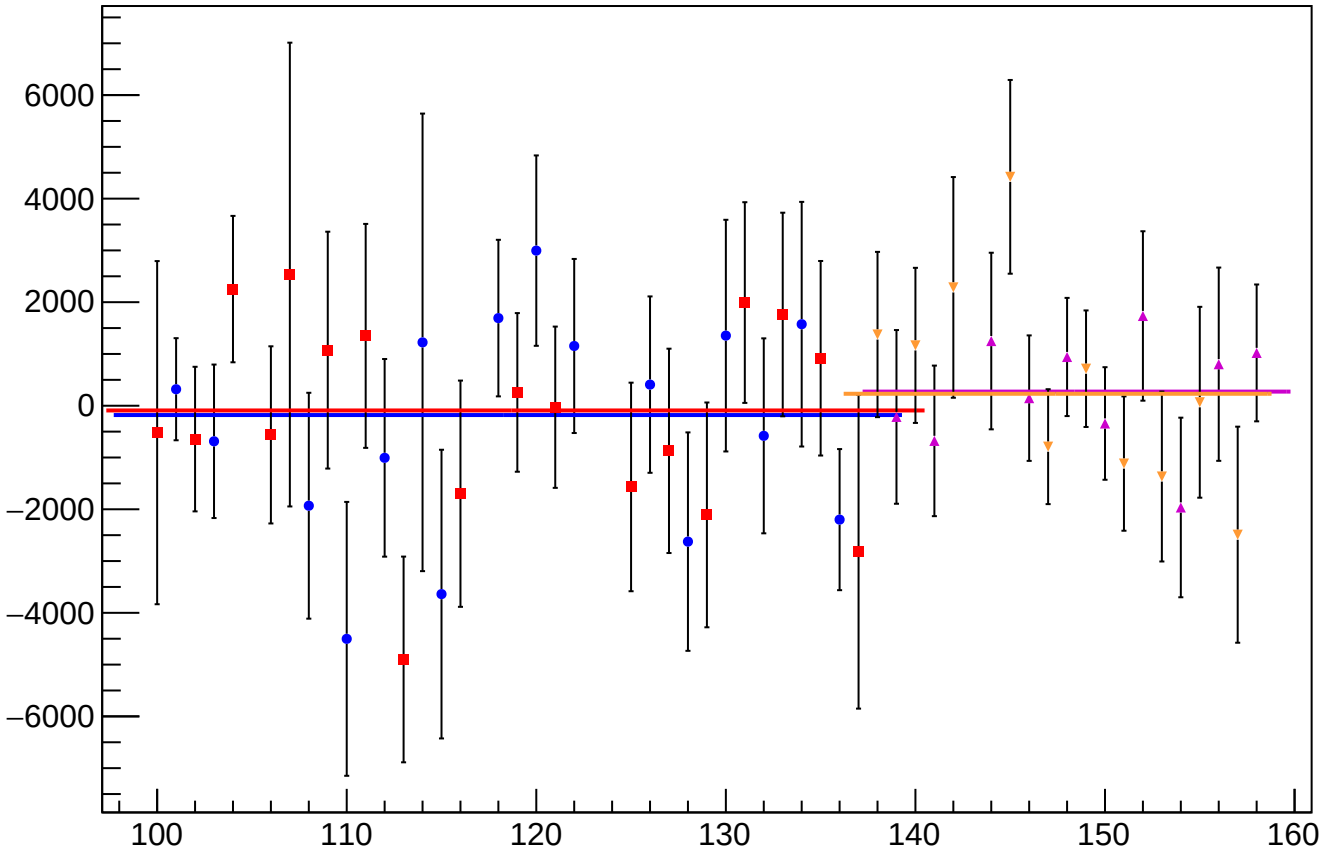
Left: 783.567+/-0.136 χ^2/NDF: 4852.3/19

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

In: 782.948+/-0.139 χ^2/NDF:15214.9/25

Out: 784.686+/-0.142 χ^2/NDF:9359.8/27

All: 783.795+/-0.099 χ^2/NDF: 24651.4/53



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

Left Out: 230.962+/-474.850 χ^2/NDF:11.6/9

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

Left In: 272.885+/-445.768 χ^2/NDF:4.4/9

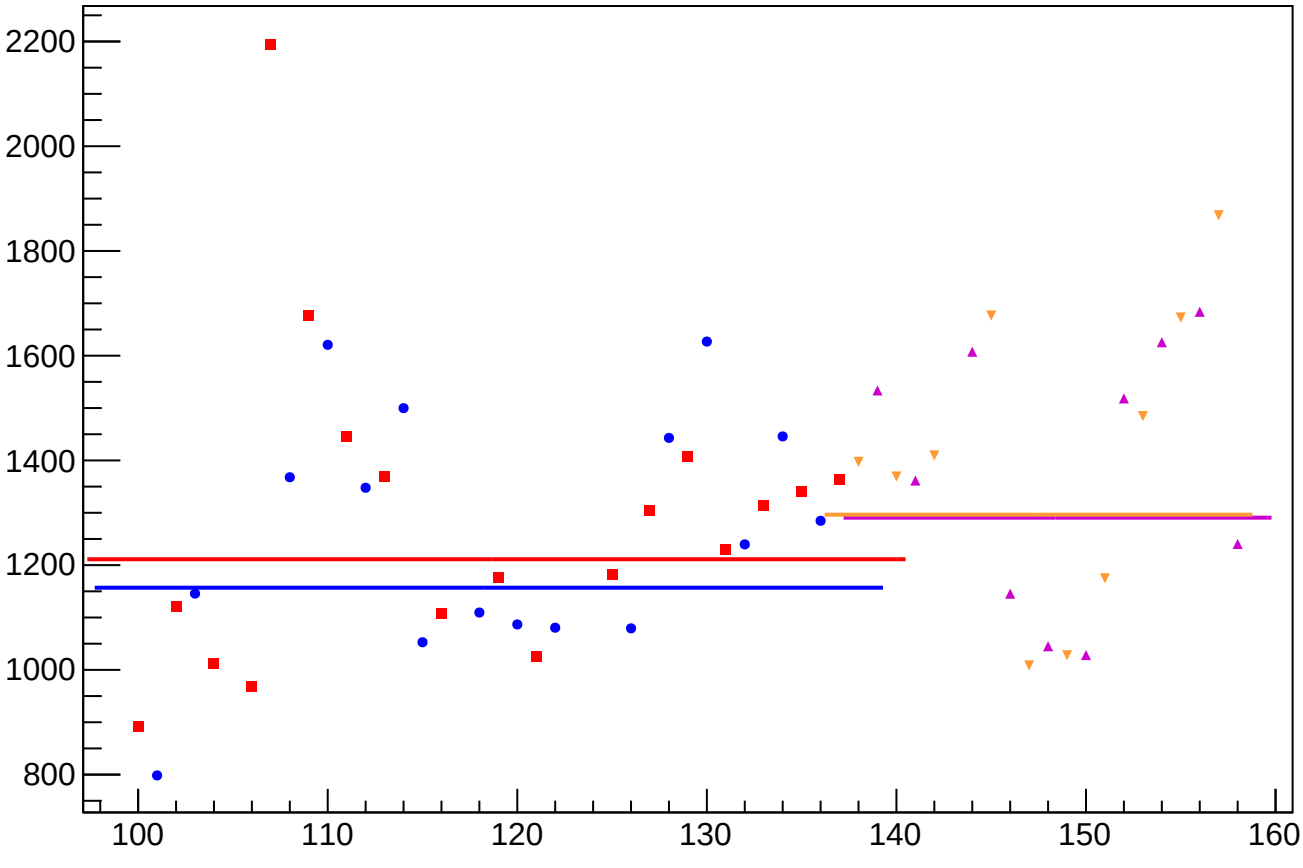
Left: 253.247+/-325.001 χ^2/NDF: 16.0/19

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

In: 43.926+/-313.424 χ^2/NDF:20.3/25

Out: 62.894+/-328.456 χ^2/NDF:27.1/27

All: 52.966+/-226.752 χ^2/NDF: 47.3/53



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

Left Out: 1296.332+/-0.336 χ^2/NDF:626891.8/9

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

Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

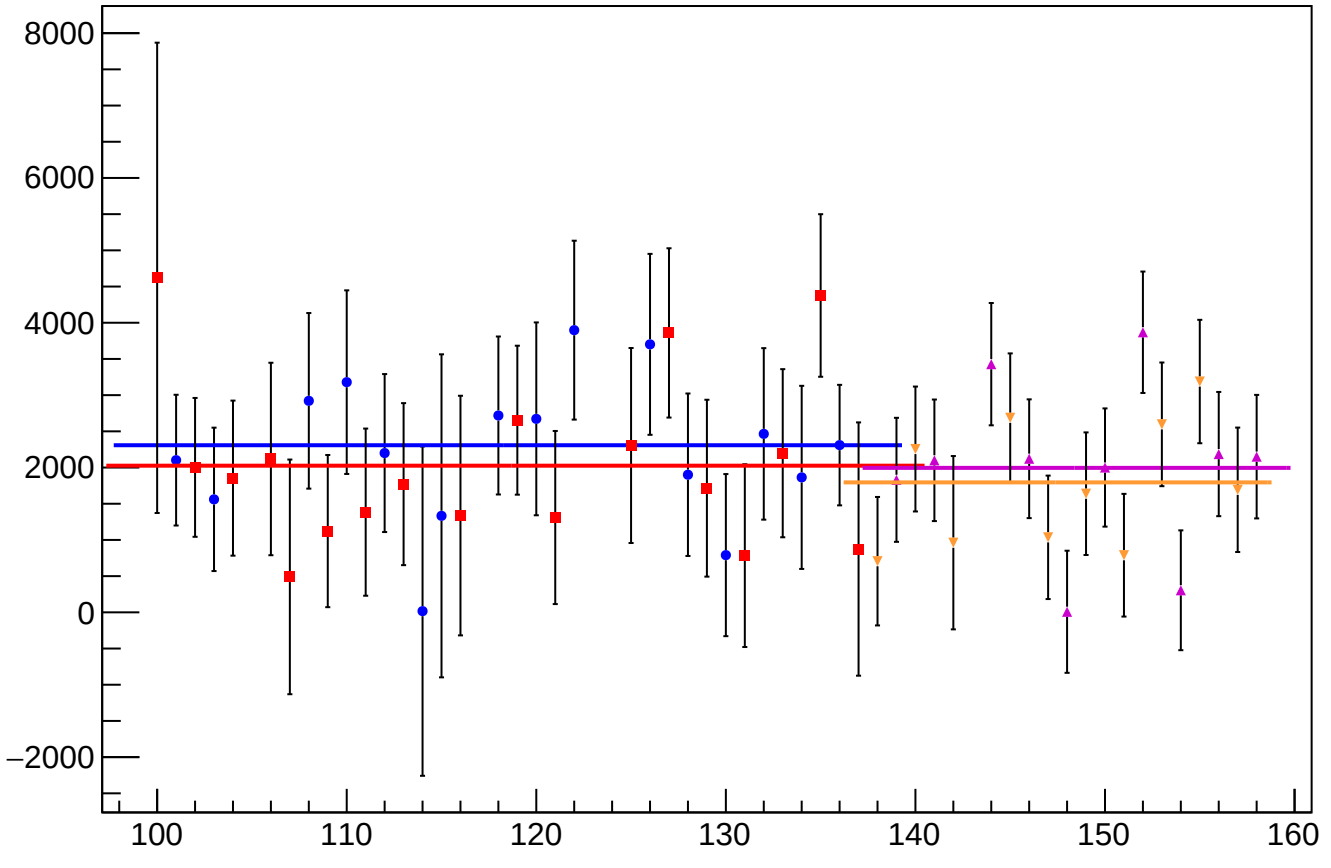
Left: 1293.333+/-0.230 χ^2/NDF: 1185621.4/19

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

In: 1223.065+/-0.222 χ^2/NDF:1218729.4/25

Out: 1251.965+/-0.232 χ^2/NDF:1058082.9/27

All: 1236.839+/-0.160 χ^2/NDF: 2284916.4/53



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

Left Out: 1794.891+/-279.059 χ^2/NDF:9.1/9

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

Left In: 1995.394+/-265.459 χ^2/NDF:17.8/9

Left: 1900.147+/-192.336 χ^2/NDF: 27.1/19

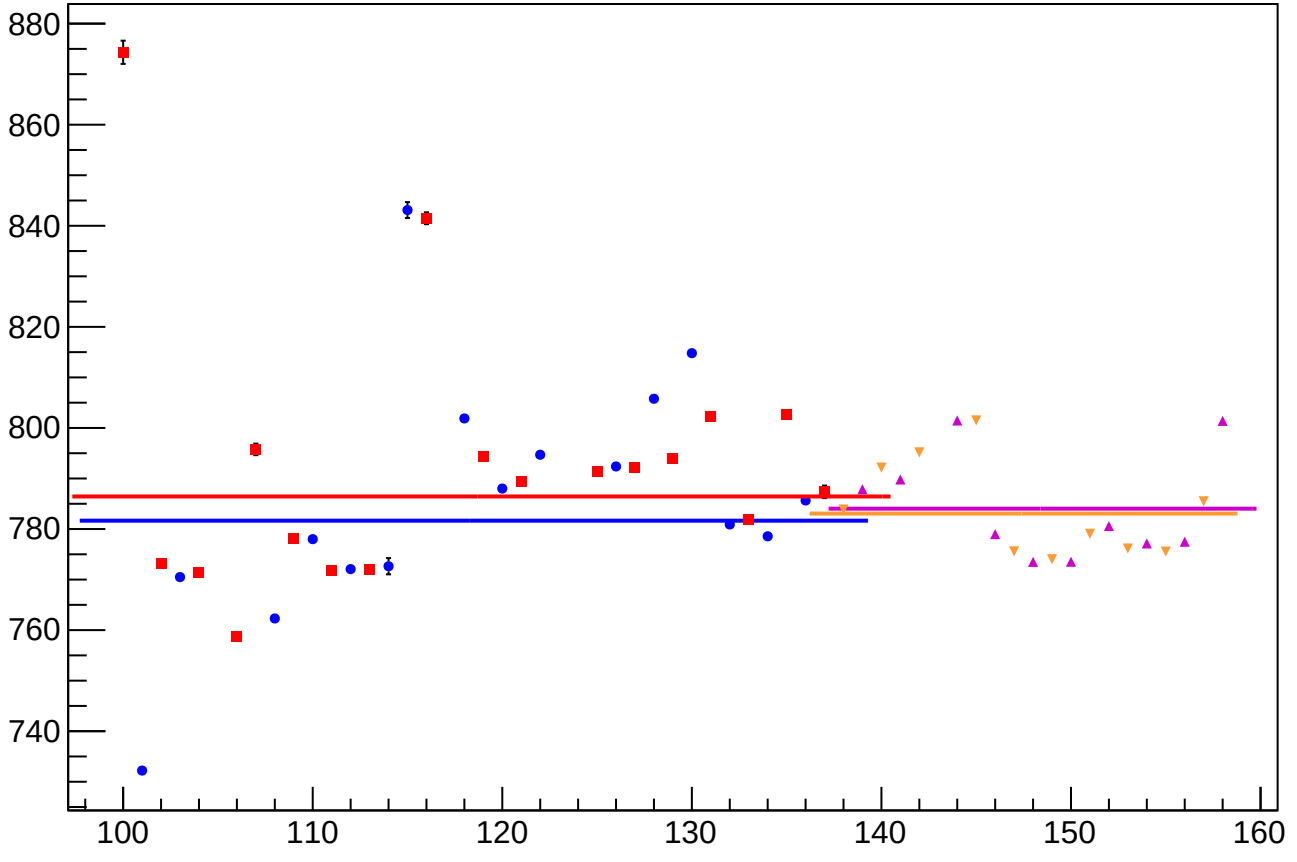
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2137.753+/-195.943 χ^2/NDF:26.2/25

Out: 1905.905+/-201.014 χ^2/NDF:21.4/27

All: 2024.790+/-140.311 χ^2/NDF: 48.2/53

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 783.057+/-0.197 χ^2/NDF:2016.5/9

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

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

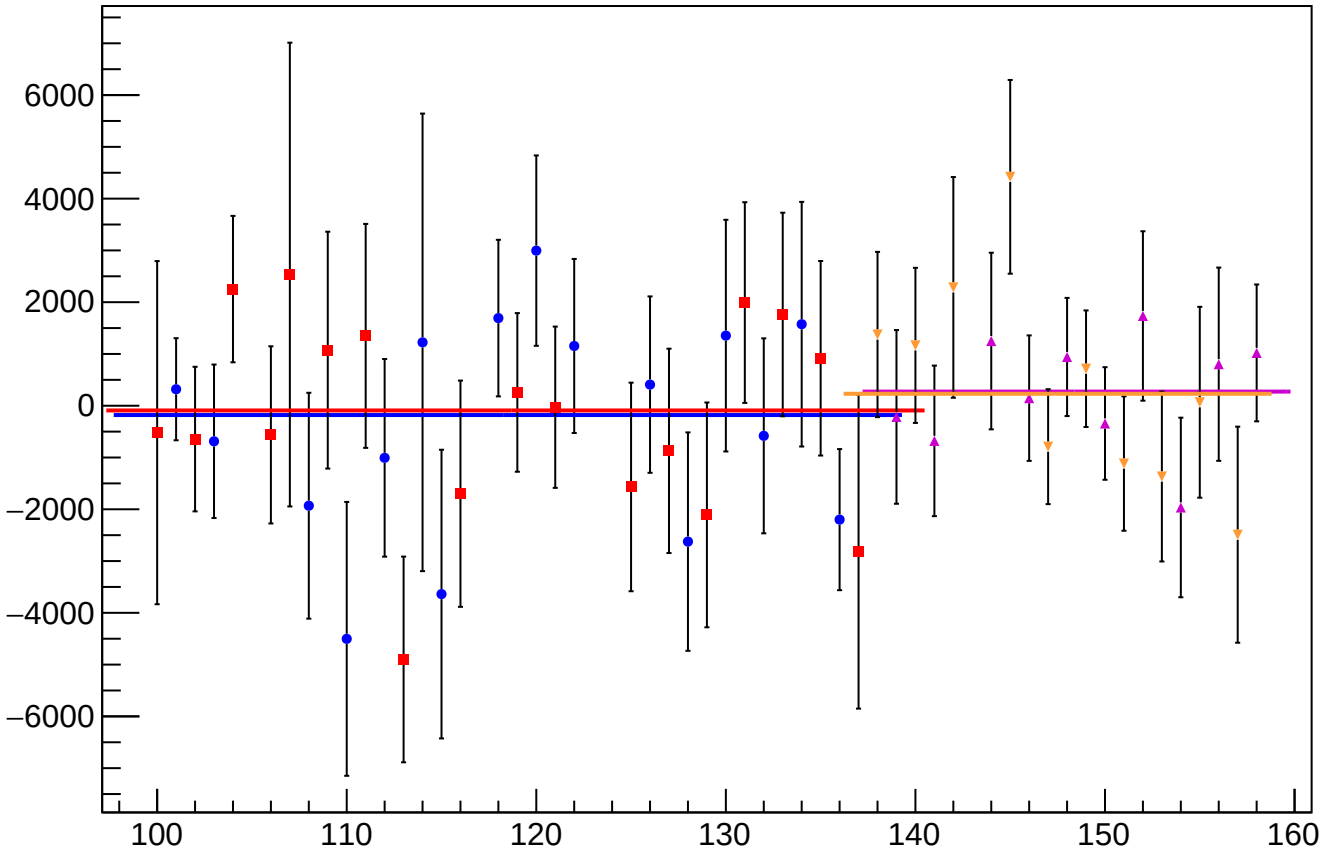
Left: 783.567+/-0.136 χ^2/NDF: 4852.3/19

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

In: 782.948+/-0.139 χ^2/NDF:15214.9/25

Out: 784.686+/-0.142 χ^2/NDF:9359.8/27

All: 783.795+/-0.099 χ^2/NDF: 24651.4/53



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

Left Out: 230.962+/-474.850 χ^2/NDF:11.6/9

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

Left In: 272.885+/-445.768 χ^2/NDF:4.4/9

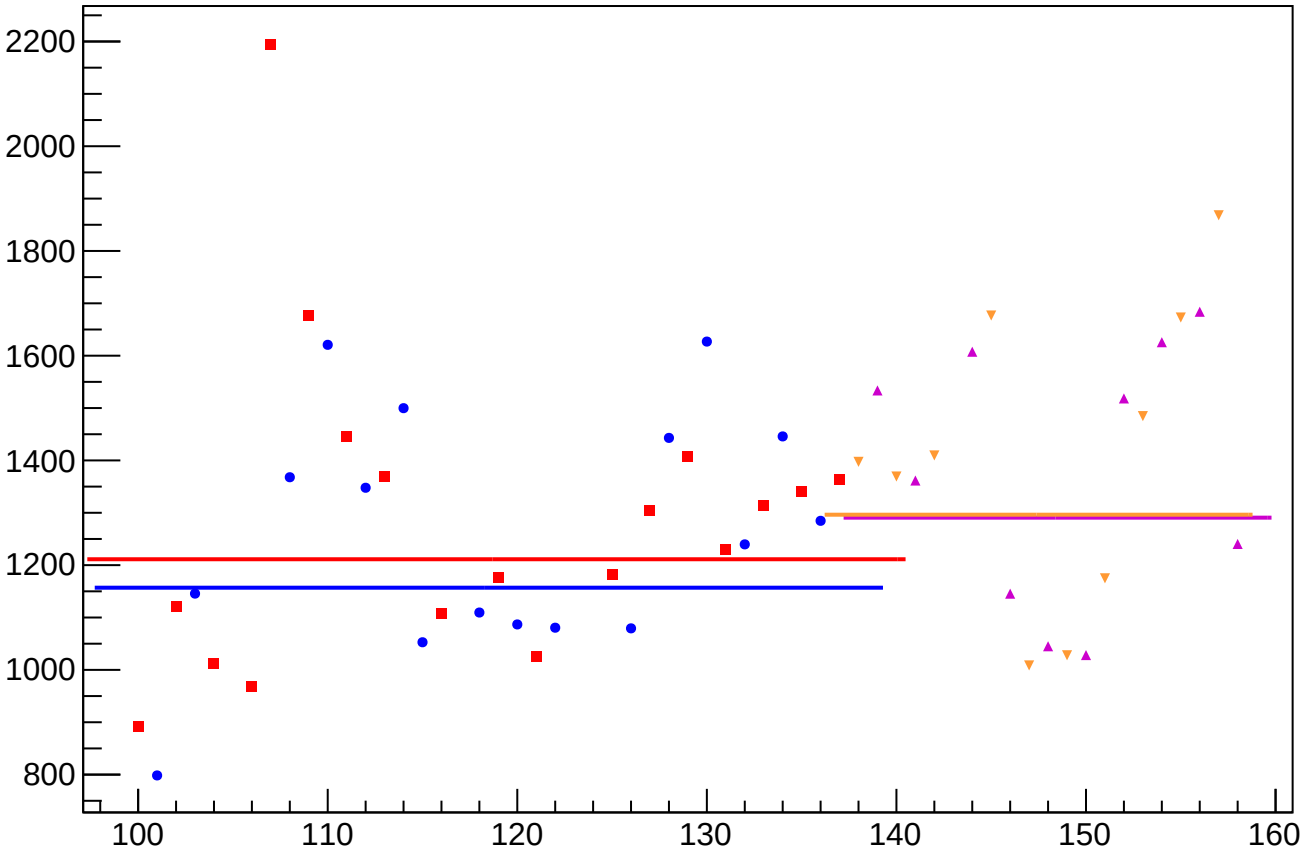
Left: 253.247+/-325.001 χ^2/NDF: 16.0/19

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

In: 43.926+/-313.424 χ^2/NDF:20.3/25

Out: 62.894+/-328.456 χ^2/NDF:27.1/27

All: 52.966+/-226.752 χ^2/NDF: 47.3/53



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

Left Out: 1296.332+/-0.336 χ^2/NDF:626891.8/9

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

Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

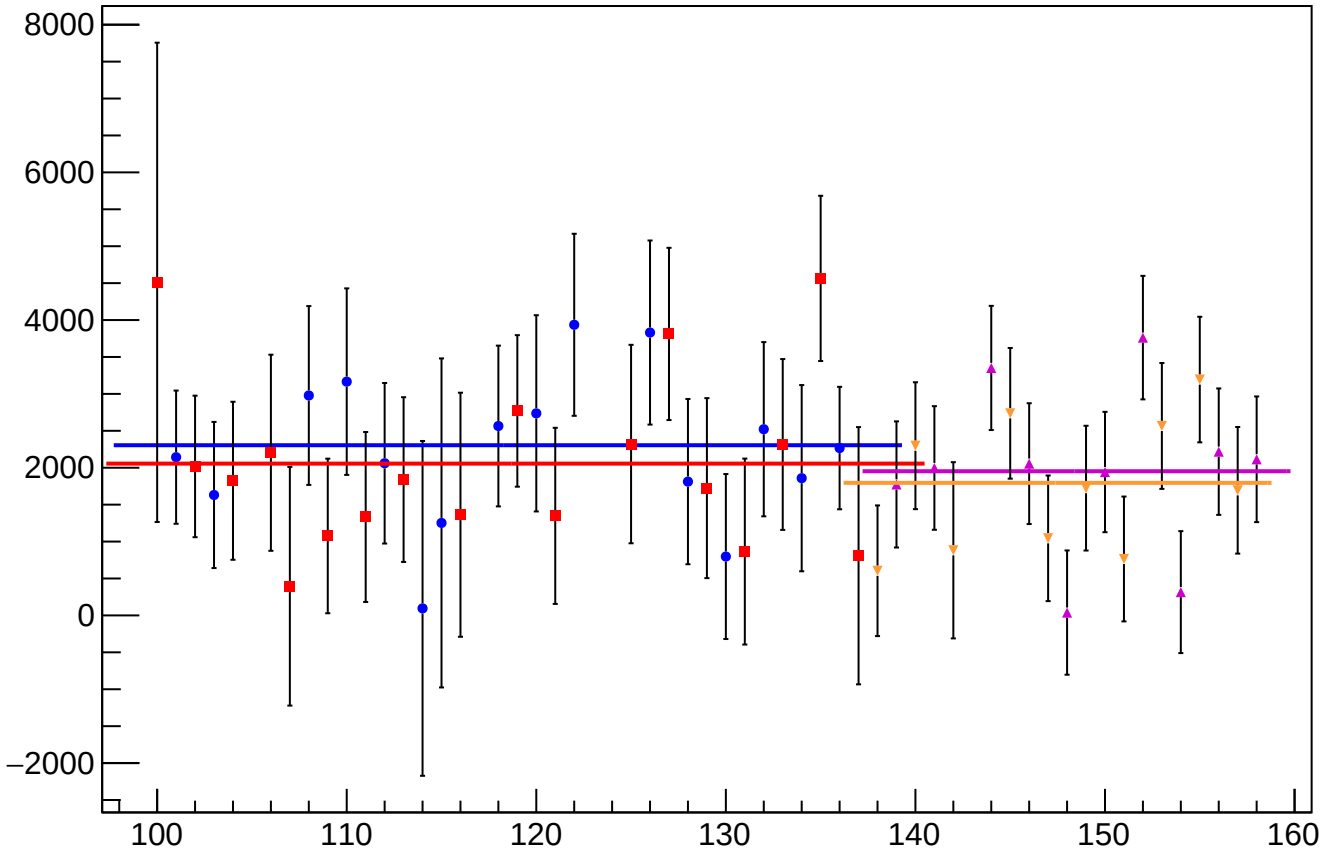
Left: 1293.333+/-0.230 χ^2/NDF: 1185621.4/19

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

In: 1223.065+/-0.222 χ^2/NDF:1218729.4/25

Out: 1251.965+/-0.232 χ^2/NDF:1058082.9/27

All: 1236.839+/-0.160 χ^2/NDF: 2284916.4/53



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

Left Out: 1795.150+/-278.284 χ^2/NDF:9.7/9

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

Left In: 1952.695+/-264.765 χ^2/NDF:16.7/9

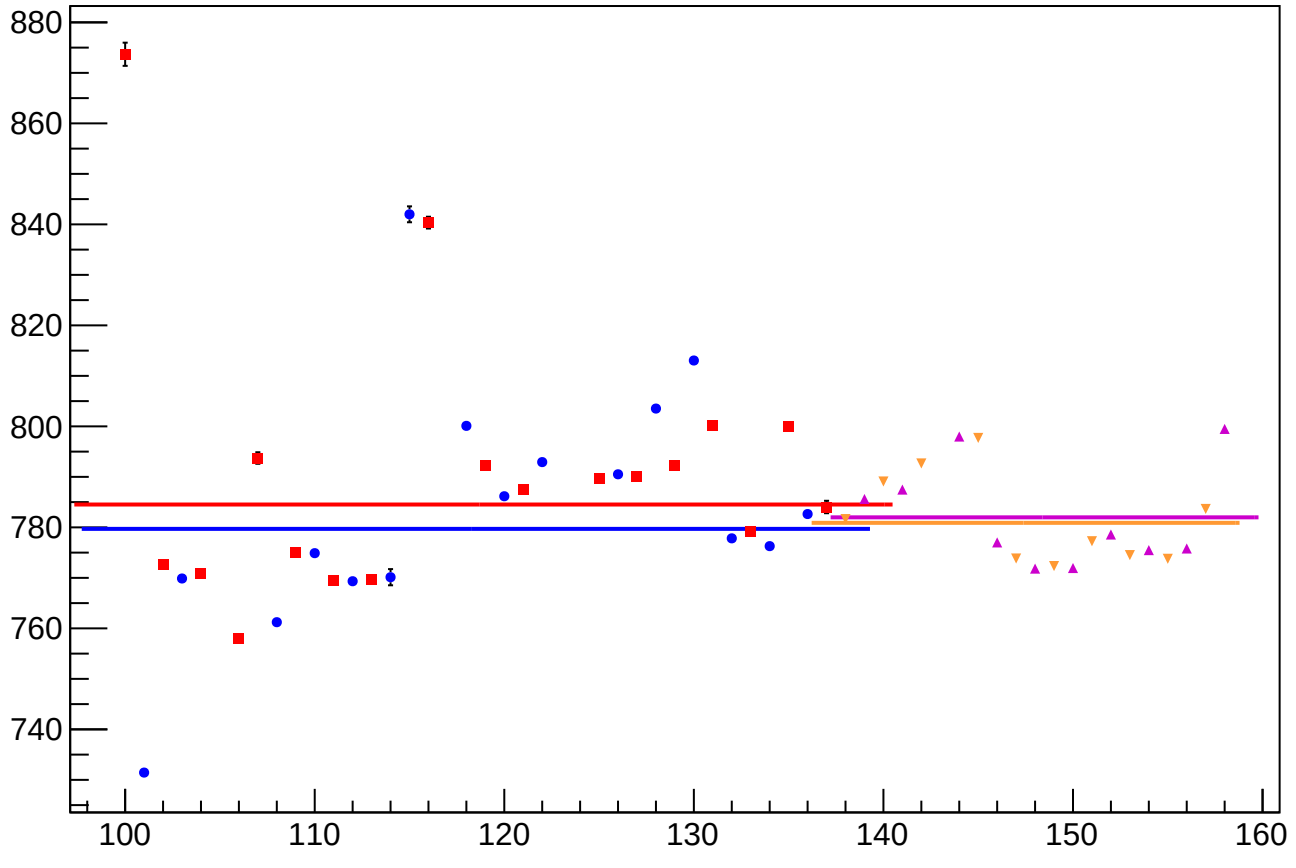
Left: 1877.842+/-191.818 χ^2/NDF: 26.6/19

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

In: 2112.966+/-195.440 χ^2/NDF:25.6/25

Out: 1920.448+/-200.488 χ^2/NDF:23.0/27

All: 2019.161+/-139.947 χ^2/NDF: 49.1/53



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

Left Out: 780.897+/-0.197 χ^2/NDF:1752.9/9

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

Left In: 781.985+/-0.187 χ^2/NDF:2621.5/9

Left: 781.468+/-0.136 χ^2/NDF: 4390.4/19

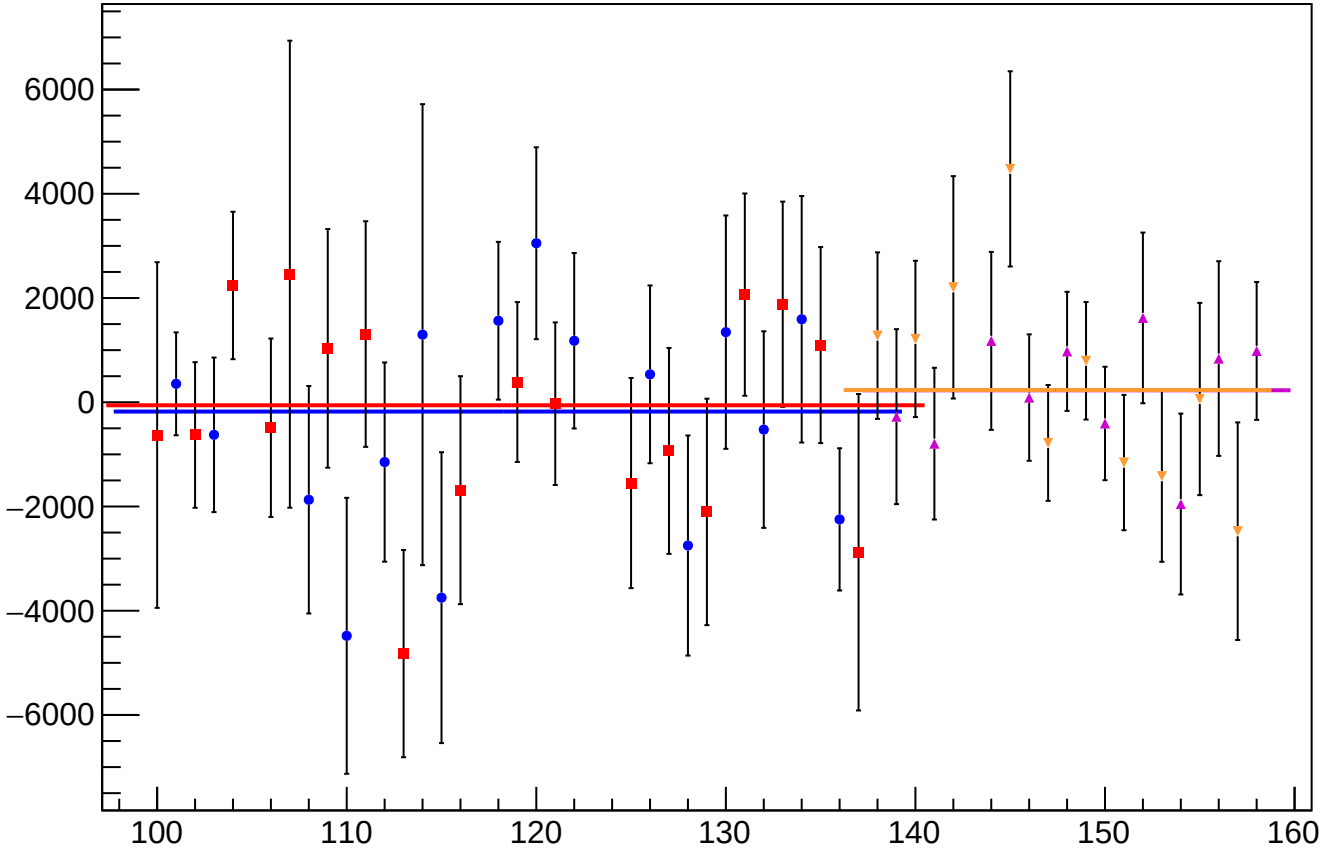
Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

In: 780.946+/-0.138 χ^2/NDF:14749.4/25

Out: 782.642+/-0.142 χ^2/NDF:9076.4/27

All: 781.772+/-0.099 χ^2/NDF: 23899.2/53

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: 233.841+/-475.344 χ^2/NDF:11.8/9

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

Left In: 230.018+/-446.200 χ^2/NDF:4.4/9

Left: 231.809+/-325.327 χ^2/NDF: 16.2/19

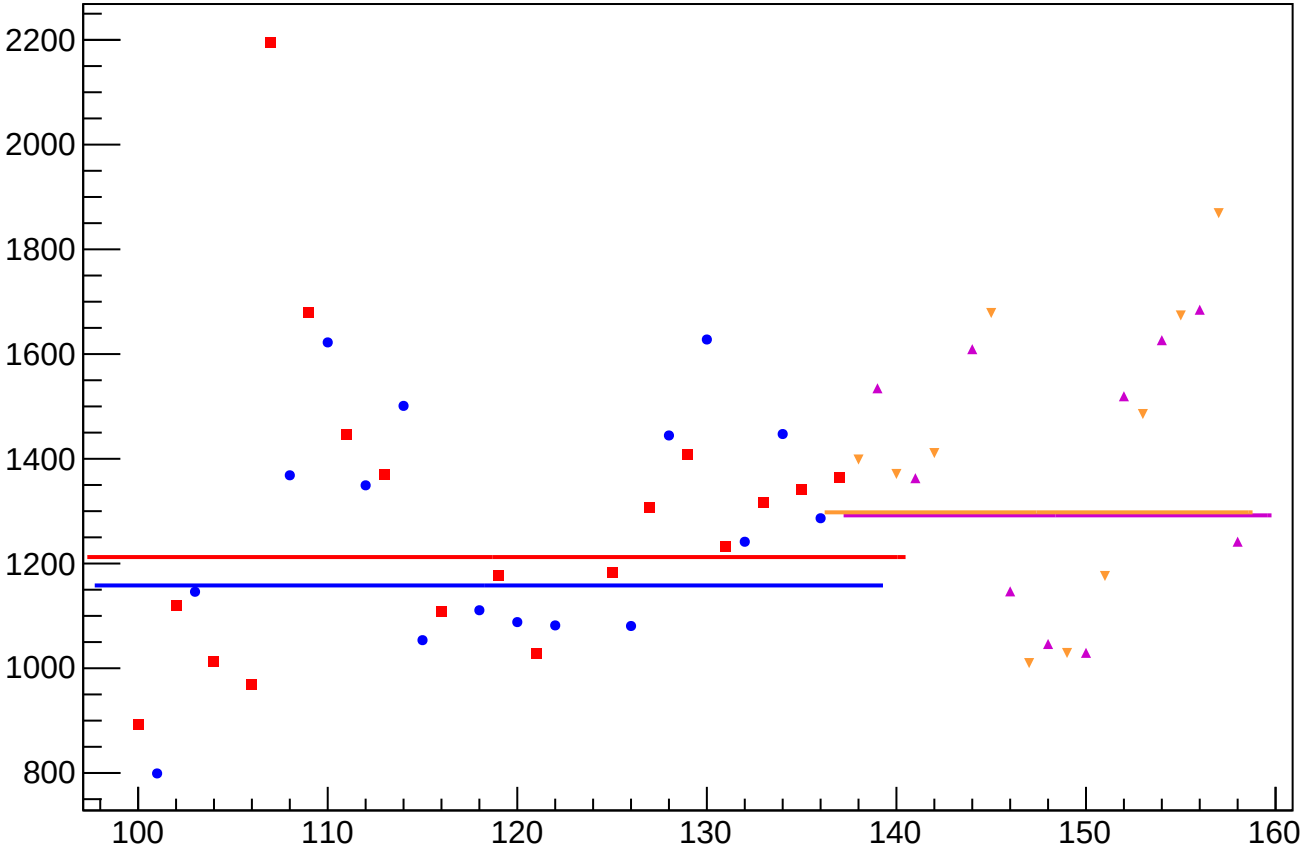
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: 23.487+/-313.735 χ^2/NDF:20.5/25

Out: 81.590+/-328.772 χ^2/NDF:27.2/27

All: 51.180+/-226.974 χ^2/NDF: 47.8/53

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1297.764+/-0.336 χ^2/NDF:625419.8/9

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

Left In: 1291.996+/-0.316 χ^2/NDF:557348.4/9

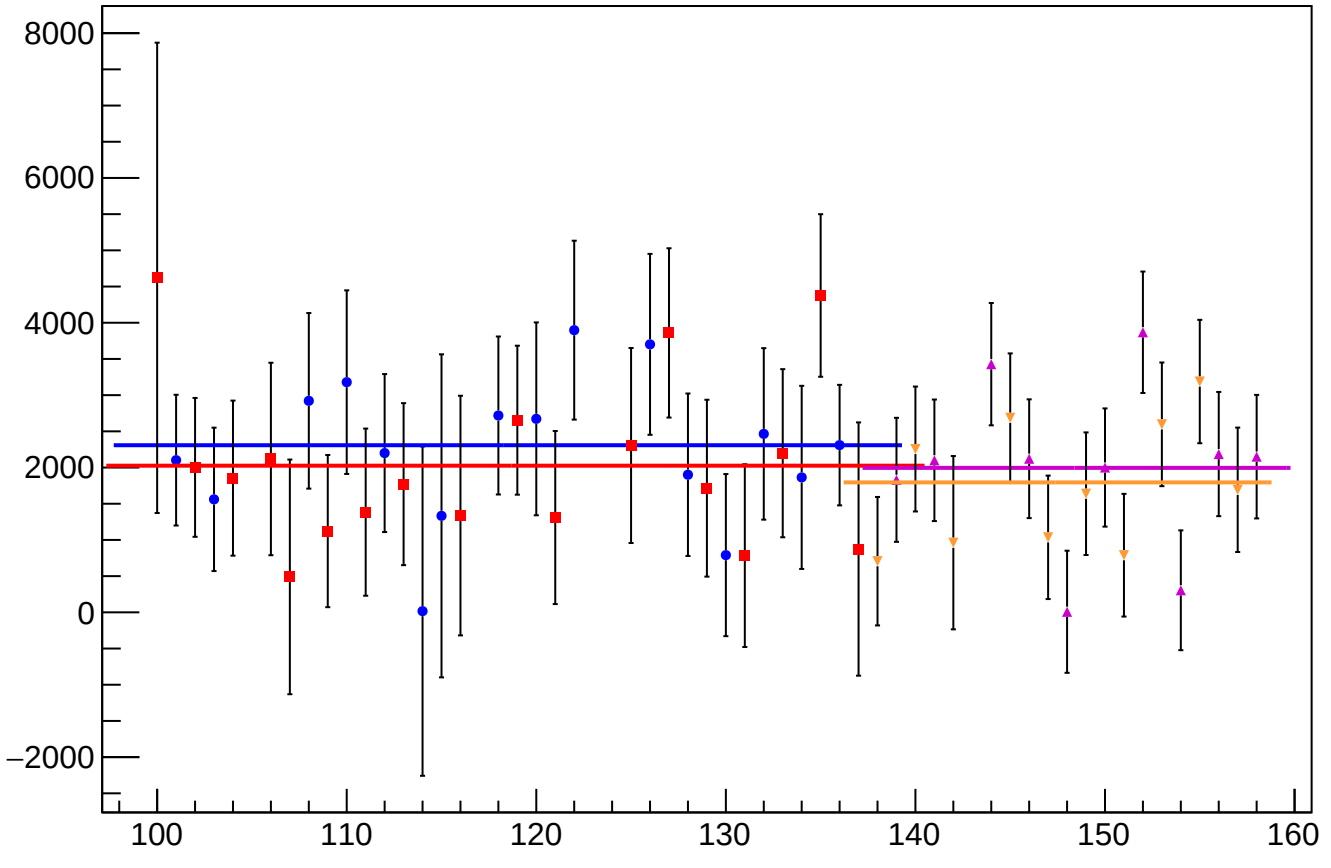
Left: 1294.698+/-0.230 χ^2/NDF: 1182924.7/19

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

In: 1224.313+/-0.222 χ^2/NDF:1217507.8/25

Out: 1253.209+/-0.232 χ^2/NDF:1057044.9/27

All: 1238.085+/-0.160 χ^2/NDF: 2282638.4/53



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

Left Out: 1794.891+/-279.059 χ^2/NDF:9.1/9

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

Left In: 1995.394+/-265.459 χ^2/NDF:17.8/9

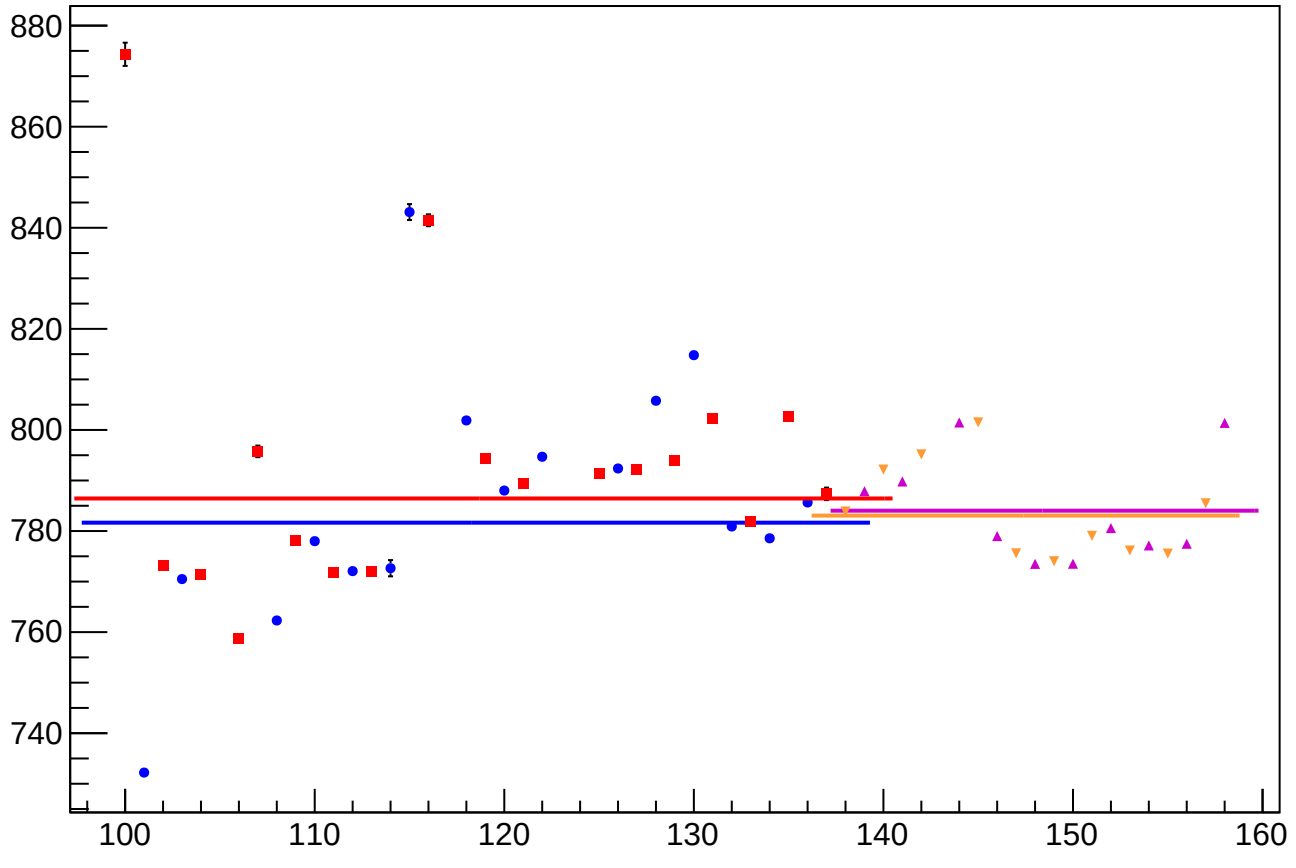
Left: 1900.147+/-192.336 χ^2/NDF: 27.1/19

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

In: 2137.753+/-195.943 χ^2/NDF:26.2/25

Out: 1905.905+/-201.014 χ^2/NDF:21.4/27

All: 2024.790+/-140.311 χ^2/NDF: 48.2/53



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

Left Out: 783.057+/-0.197 χ^2/NDF:2016.5/9

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

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

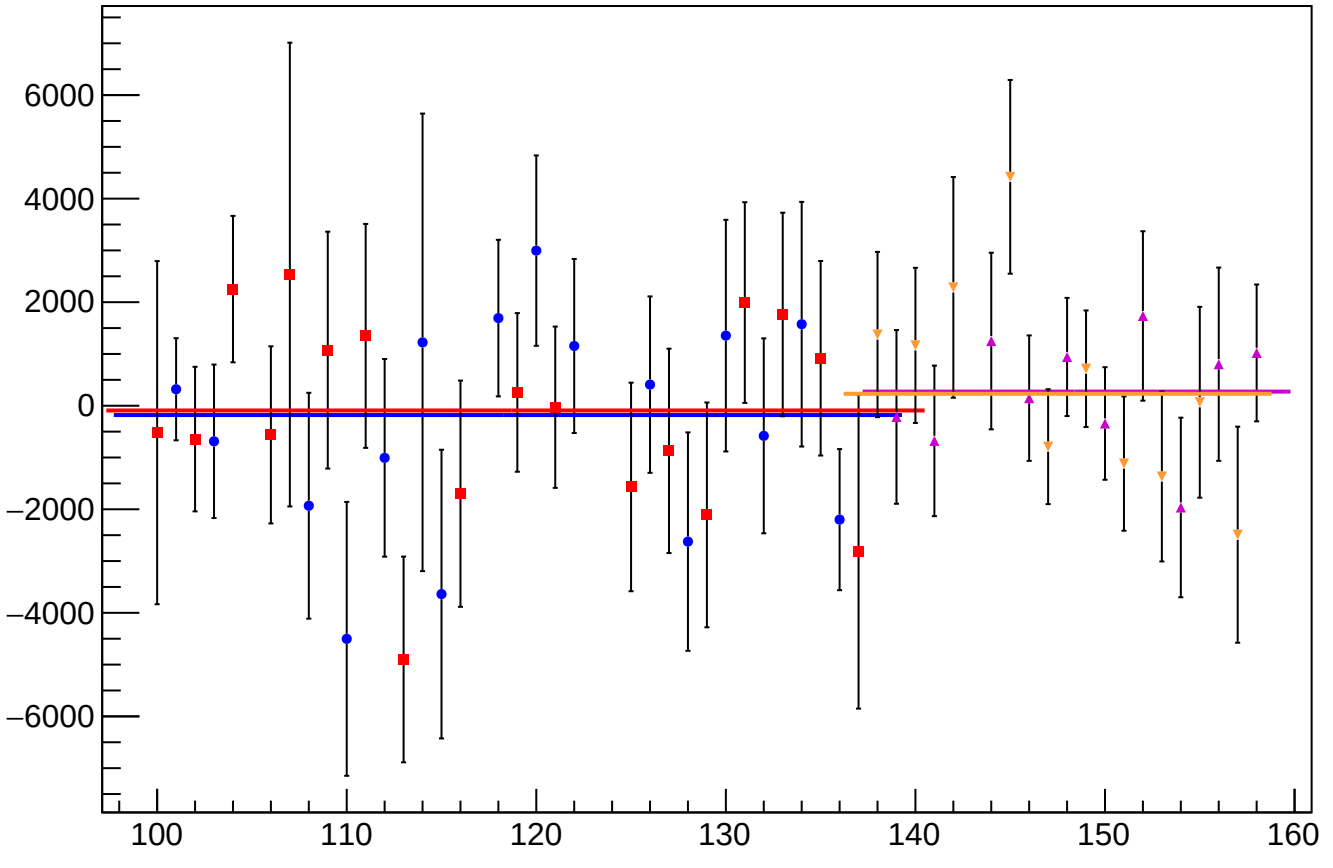
Left: 783.567+/-0.136 χ^2/NDF: 4852.3/19

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

In: 782.948+/-0.139 χ^2/NDF:15214.9/25

Out: 784.686+/-0.142 χ^2/NDF:9359.8/27

All: 783.795+/-0.099 χ^2/NDF: 24651.4/53



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

Left Out: 230.962+/-474.850 χ^2/NDF:11.6/9

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

Left In: 272.885+/-445.768 χ^2/NDF:4.4/9

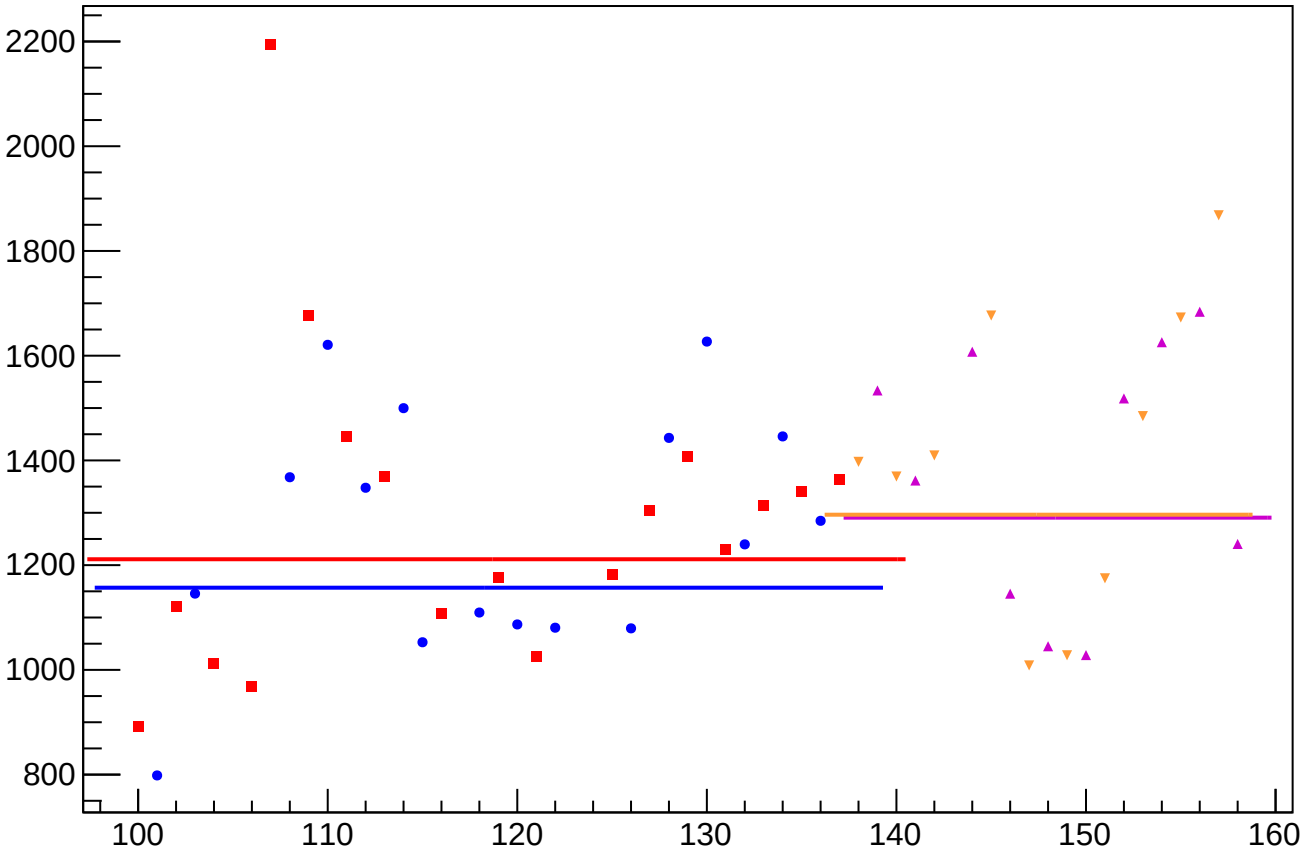
Left: 253.247+/-325.001 χ^2/NDF: 16.0/19

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

In: 43.926+/-313.424 χ^2/NDF:20.3/25

Out: 62.894+/-328.456 χ^2/NDF:27.1/27

All: 52.966+/-226.752 χ^2/NDF: 47.3/53



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

Left Out: 1296.332+/-0.336 χ^2/NDF:626891.8/9

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

Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

Left: 1293.333+/-0.230 χ^2/NDF: 1185621.4/19

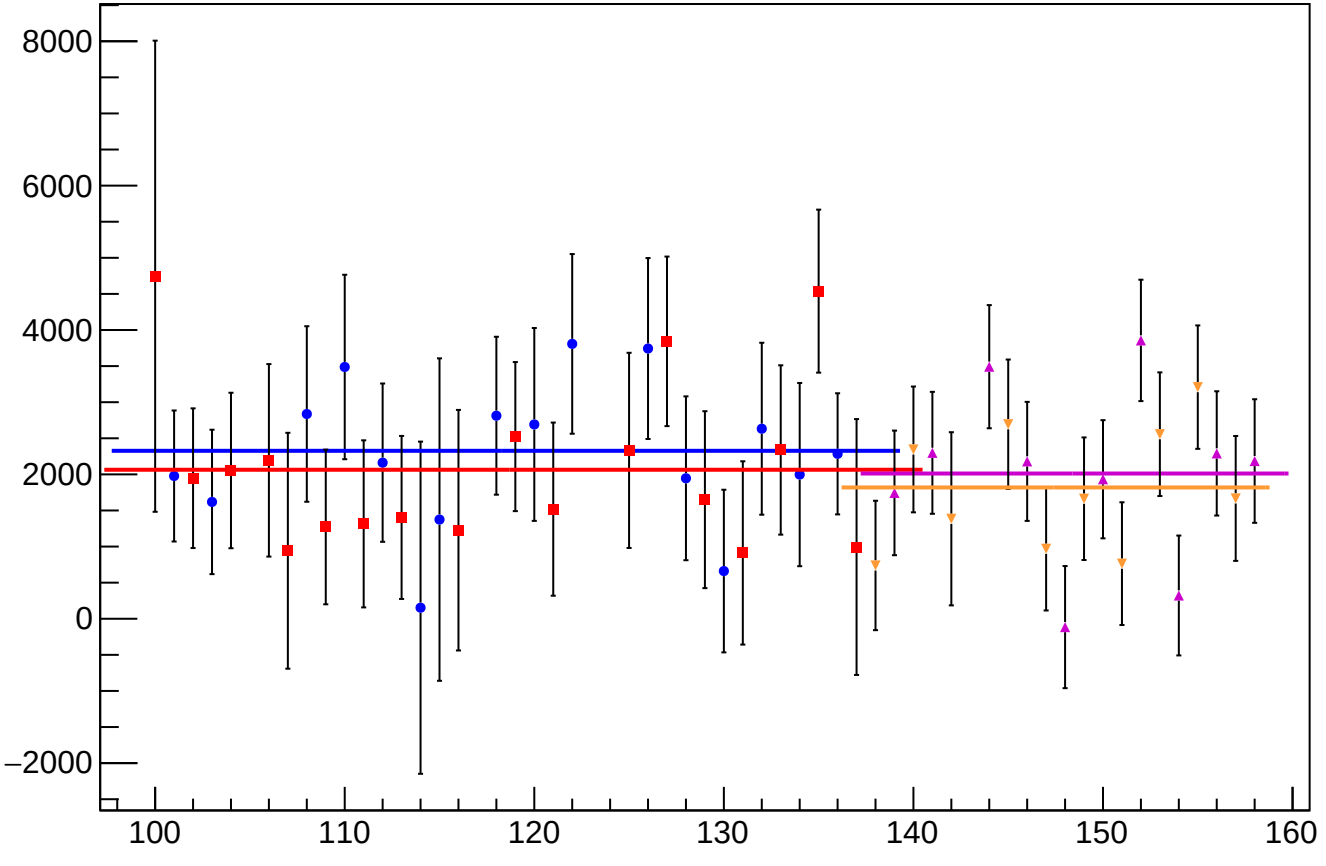
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1223.065+/-0.222 χ^2/NDF:1218729.4/25

Out: 1251.965+/-0.232 χ^2/NDF:1058082.9/27

All: 1236.839+/-0.160 χ^2/NDF: 2284916.4/53

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1818.882+/-280.512 χ^2/NDF:8.9/9

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

Left In: 2011.940+/-266.692 χ^2/NDF:18.7/9

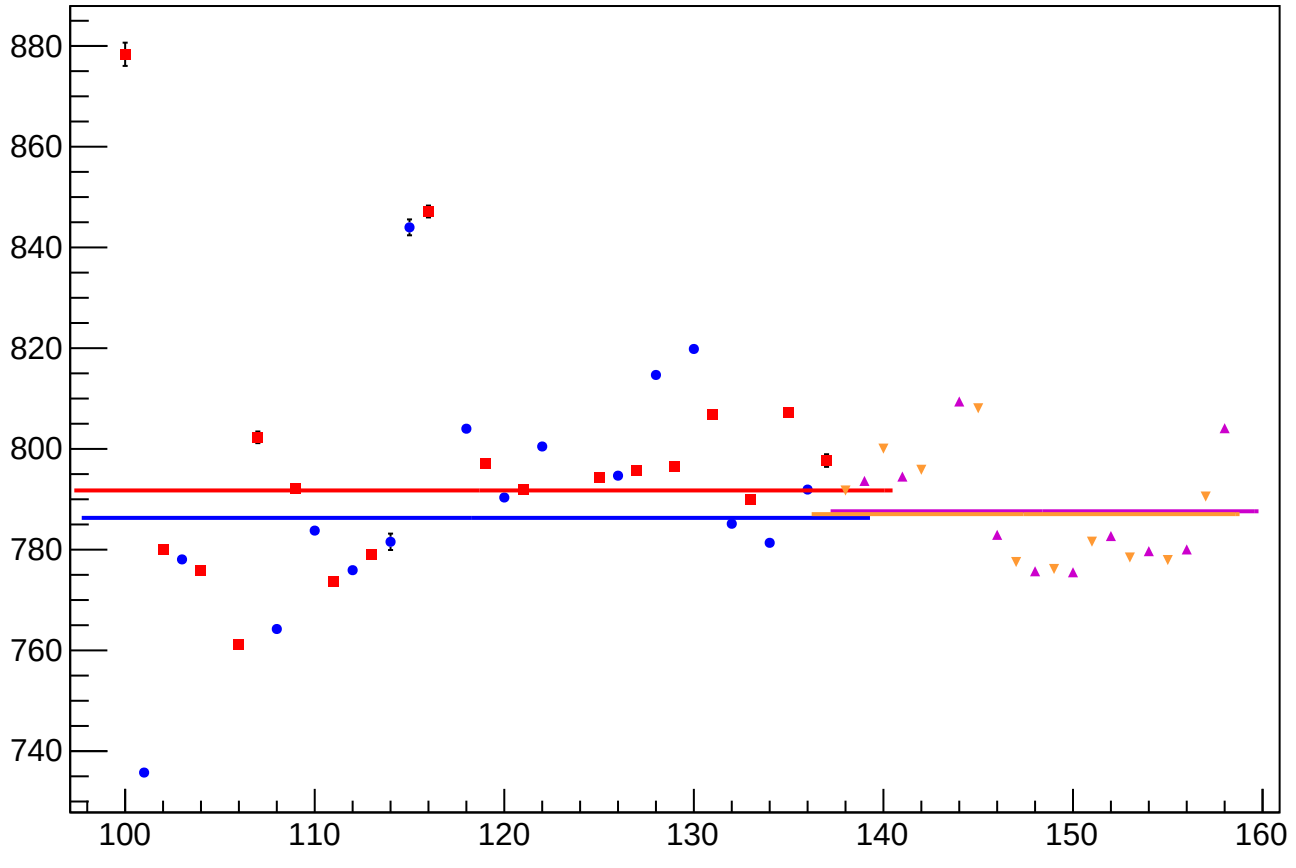
Left: 1920.284+/-193.281 χ^2/NDF: 27.8/19

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

In: 2154.874+/-196.974 χ^2/NDF:27.5/25

Out: 1936.601+/-202.221 χ^2/NDF:20.9/27

All: 2048.606+/-141.100 χ^2/NDF: 49.0/53



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

Left Out: 787.053+/-0.198 χ^2/NDF:2827.7/9

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

Left In: 787.618+/-0.189 χ^2/NDF:3582.4/9

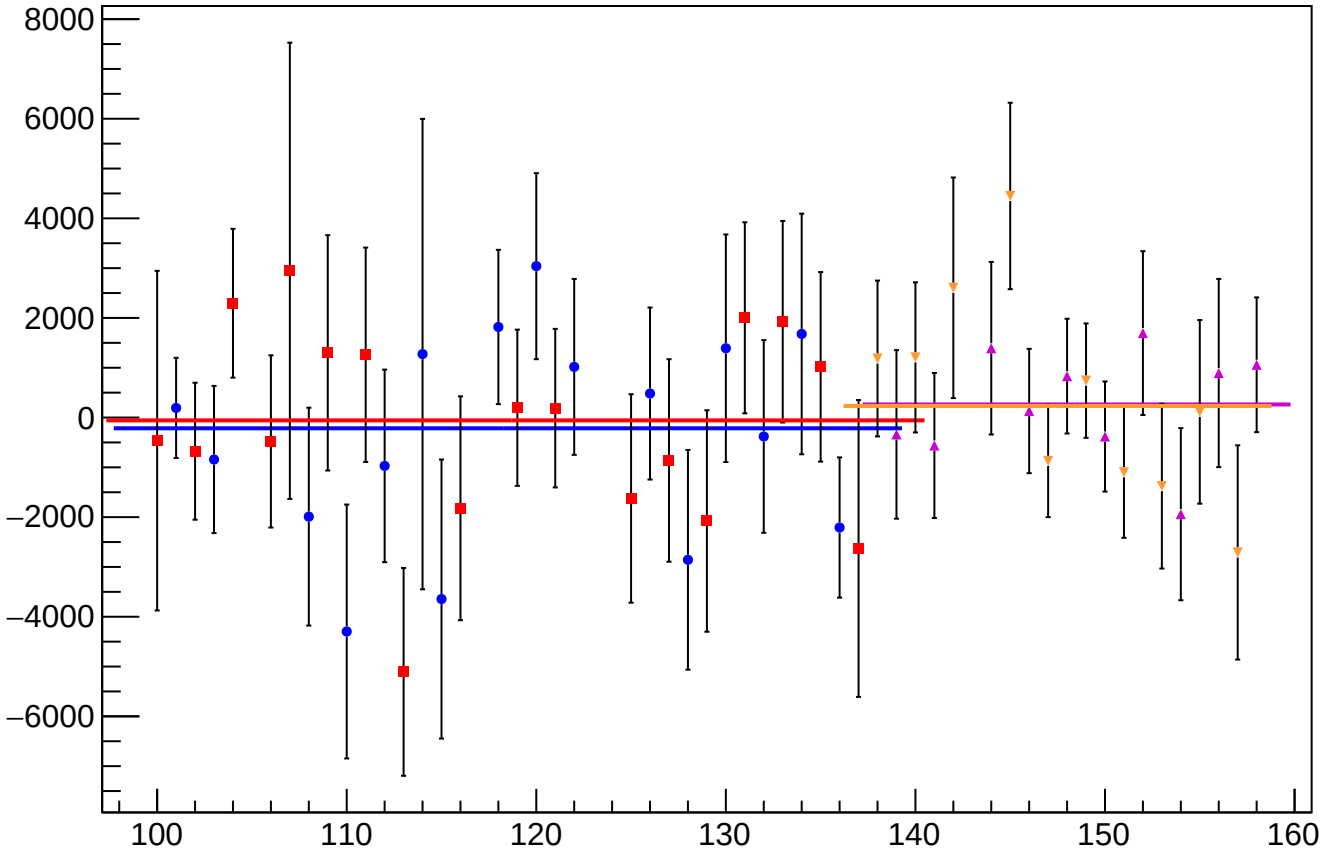
Left: 787.350+/-0.137 χ^2/NDF: 6414.4/19

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

In: 787.023+/-0.139 χ^2/NDF:16175.4/25

Out: 789.312+/-0.143 χ^2/NDF:10112.9/27

All: 788.138+/-0.100 χ^2/NDF: 26419.8/53



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

Left Out: 232.521+/-480.443 χ^2/NDF:12.0/9

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

Left In: 262.582+/-451.906 χ^2/NDF:4.3/9

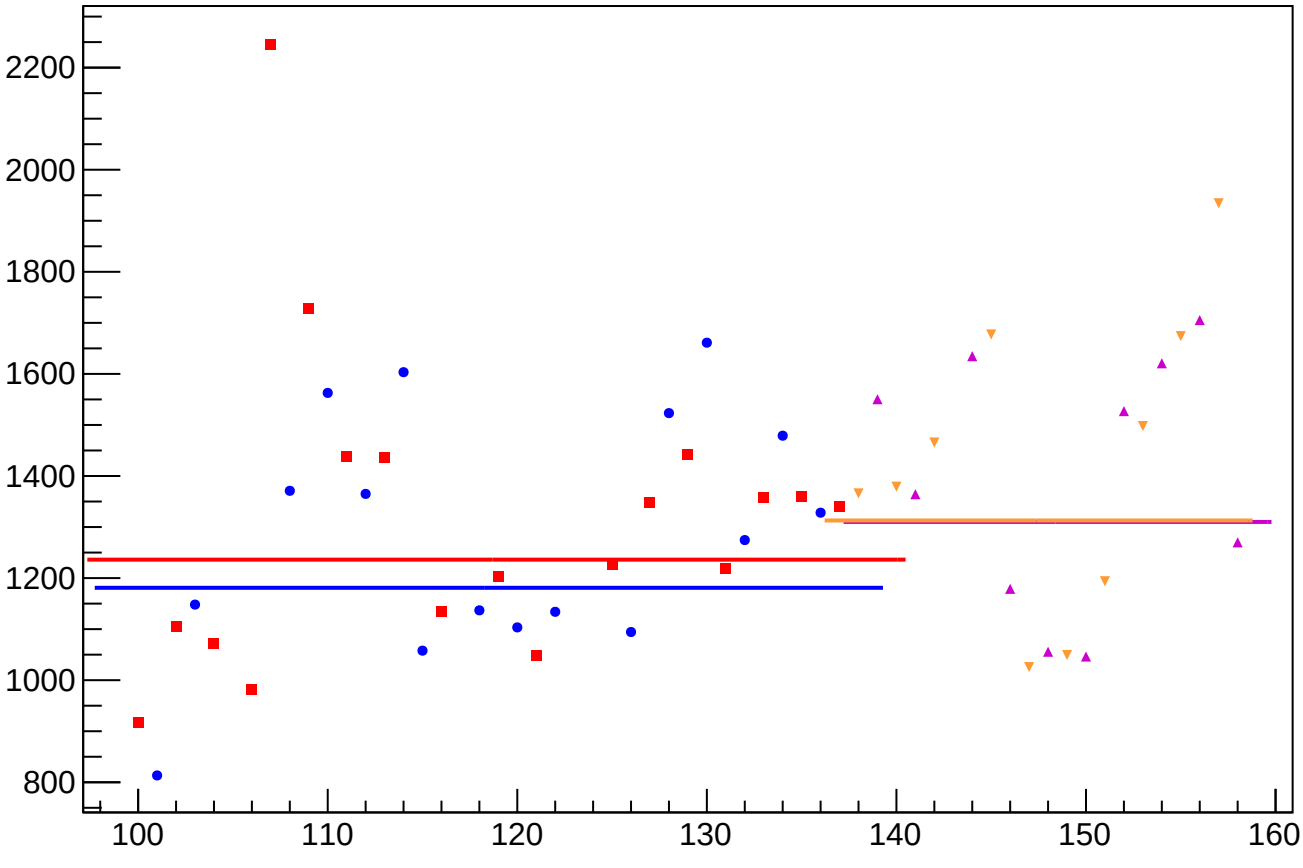
Left: 248.471+/-329.172 χ^2/NDF: 16.3/19

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

In: 21.941+/-318.705 χ^2/NDF:20.2/25

Out: 82.826+/-333.751 χ^2/NDF:27.3/27

All: 50.980+/-230.494 χ^2/NDF: 47.5/53



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

Left Out: 1312.884+/-0.340 χ^2/NDF:611153.3/9

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

Left In: 1309.999+/-0.320 χ^2/NDF:535255.5/9

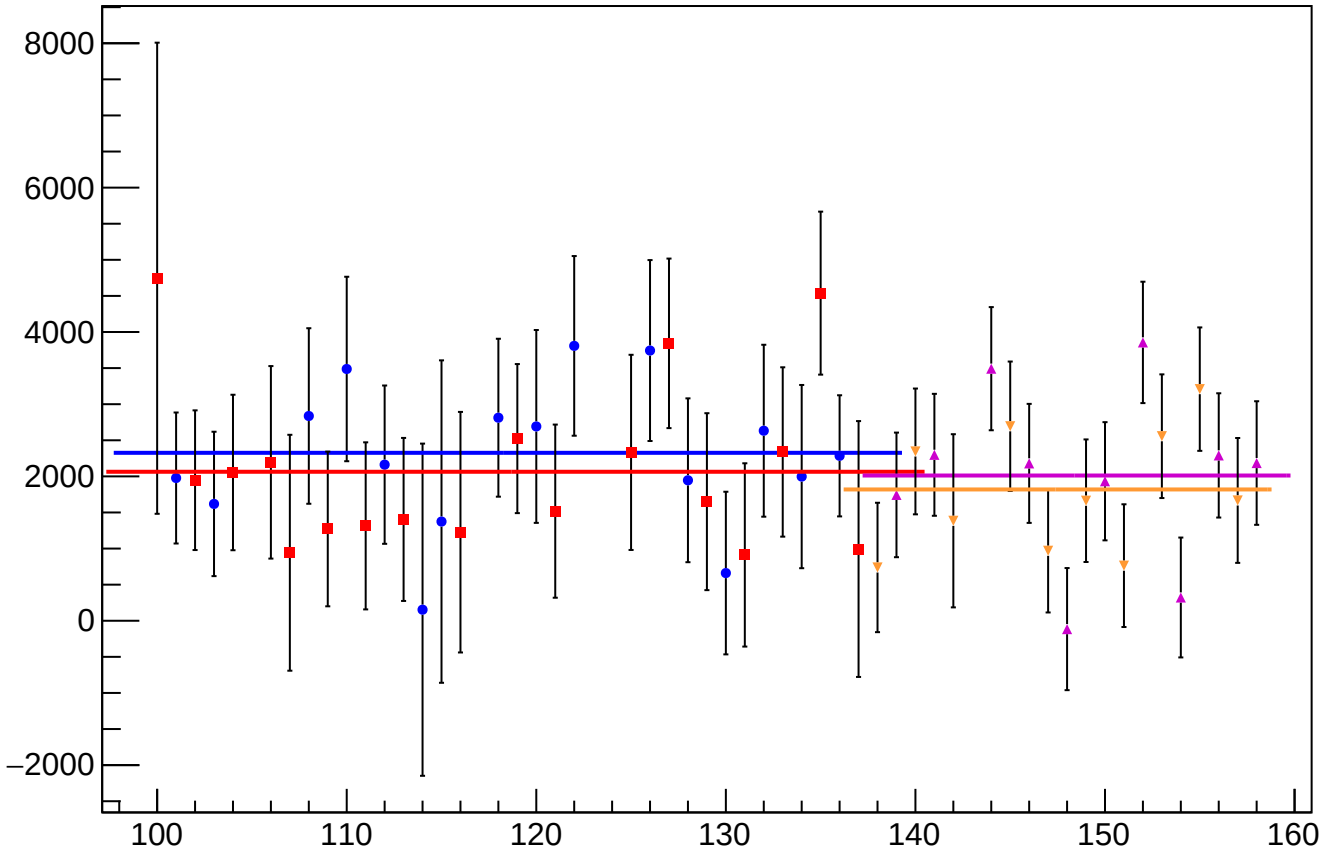
Left: 1311.353+/-0.233 χ^2/NDF: 1146447.0/19

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

In: 1245.159+/-0.225 χ^2/NDF:1188279.0/25

Out: 1273.171+/-0.236 χ^2/NDF:1034804.3/27

All: 1258.520+/-0.163 χ^2/NDF: 2230452.4/53



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

Left Out: 1818.879+/-280.512 χ^2/NDF:8.9/9

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

Left In: 2011.941+/-266.692 χ^2/NDF:18.7/9

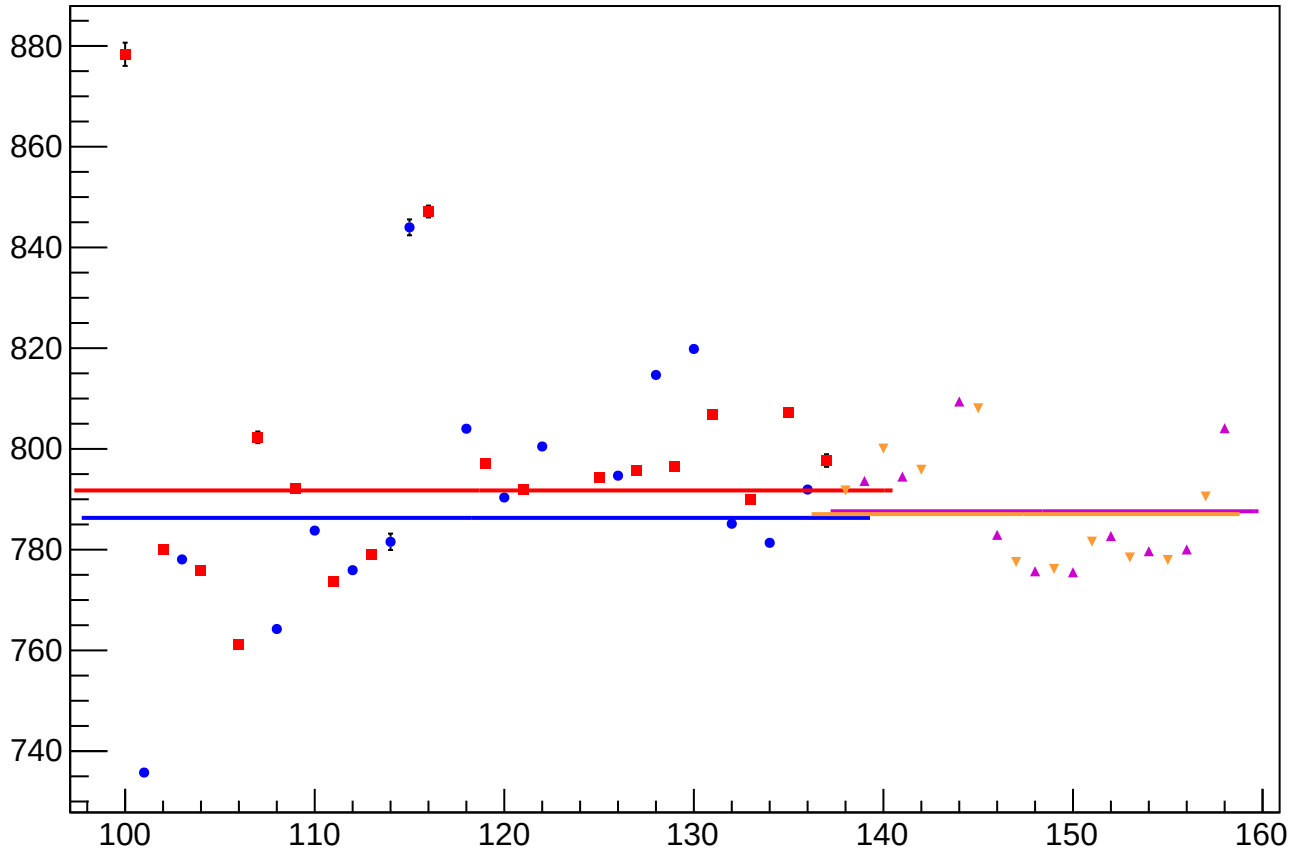
Left: 1920.283+/-193.281 χ^2/NDF: 27.8/19

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

In: 2154.875+/-196.974 χ^2/NDF:27.5/25

Out: 1936.599+/-202.221 χ^2/NDF:20.9/27

All: 2048.606+/-141.100 χ^2/NDF: 49.0/53



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

Left Out: 787.053+/-0.198 χ^2/NDF:2827.7/9

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

Left In: 787.618+/-0.189 χ^2/NDF:3582.4/9

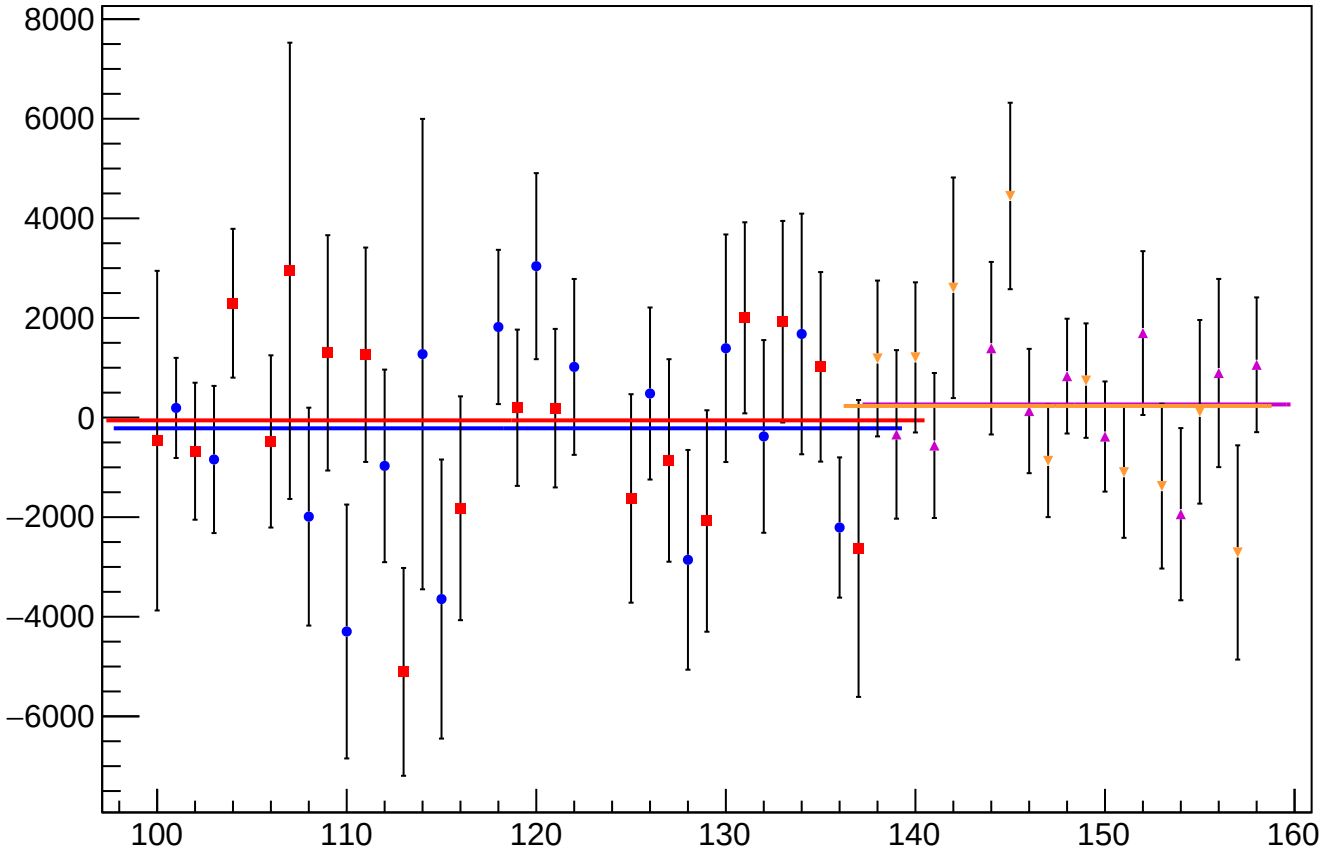
Left: 787.350+/-0.137 χ^2/NDF: 6414.4/19

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

In: 787.023+/-0.139 χ^2/NDF:16175.4/25

Out: 789.312+/-0.143 χ^2/NDF:10112.9/27

All: 788.137+/-0.100 χ^2/NDF: 26419.7/53



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

Left Out: 232.517+/-480.444 χ^2/NDF:12.0/9

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

Left In: 262.583+/-451.907 χ^2/NDF:4.3/9

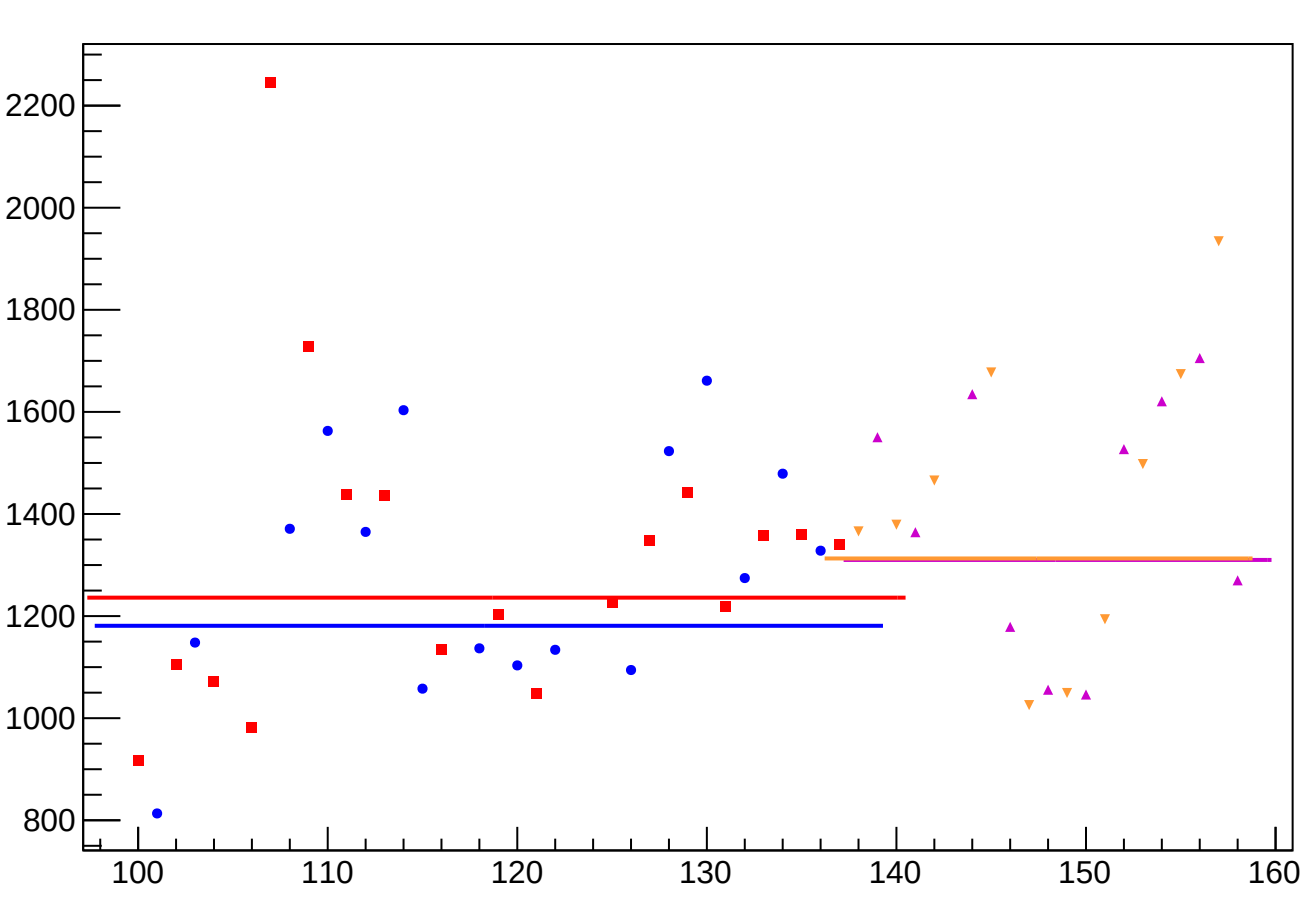
Left: 248.469+/-329.173 χ^2/NDF: 16.3/19

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

In: 21.941+/-318.705 χ^2/NDF:20.2/25

Out: 82.824+/-333.751 χ^2/NDF:27.3/27

All: 50.979+/-230.494 χ^2/NDF: 47.5/53



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

Left Out: 1312.886+/-0.340 χ^2/NDF:611155.5/9

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

Left In: 1310.001+/-0.320 χ^2/NDF:535256.4/9

Left: 1311.356+/-0.233 χ^2/NDF: 1146450.2/19

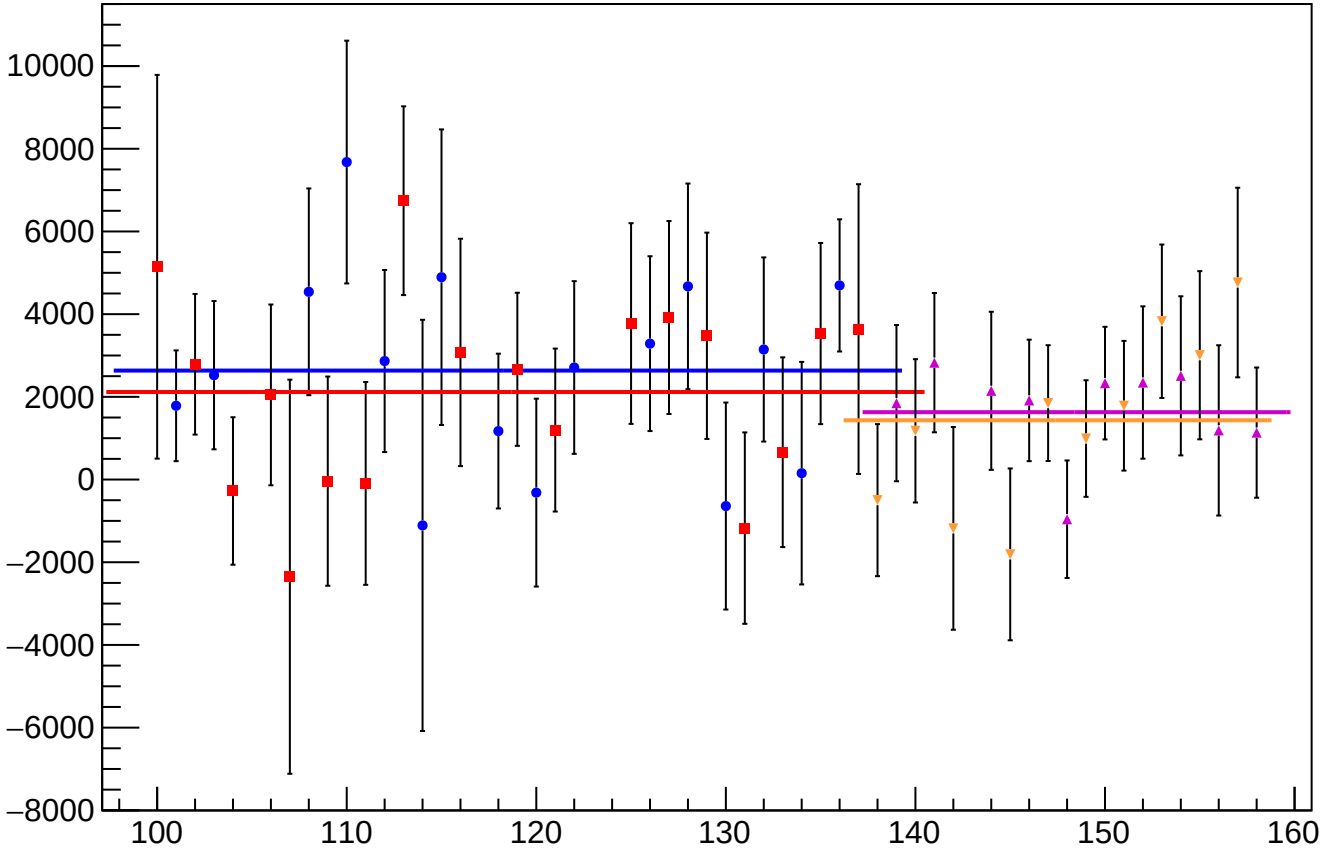
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1245.159+/-0.225 χ^2/NDF:1188284.8/25

Out: 1273.171+/-0.236 χ^2/NDF:1034808.9/27

All: 1258.519+/-0.163 χ^2/NDF: 2230462.7/53

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1433.148+/-561.801 χ^2/NDF:9.3/9

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

Left In: 1629.148+/-526.444 χ^2/NDF:4.7/9

Left: 1537.510+/-384.144 χ^2/NDF: 14.1/19

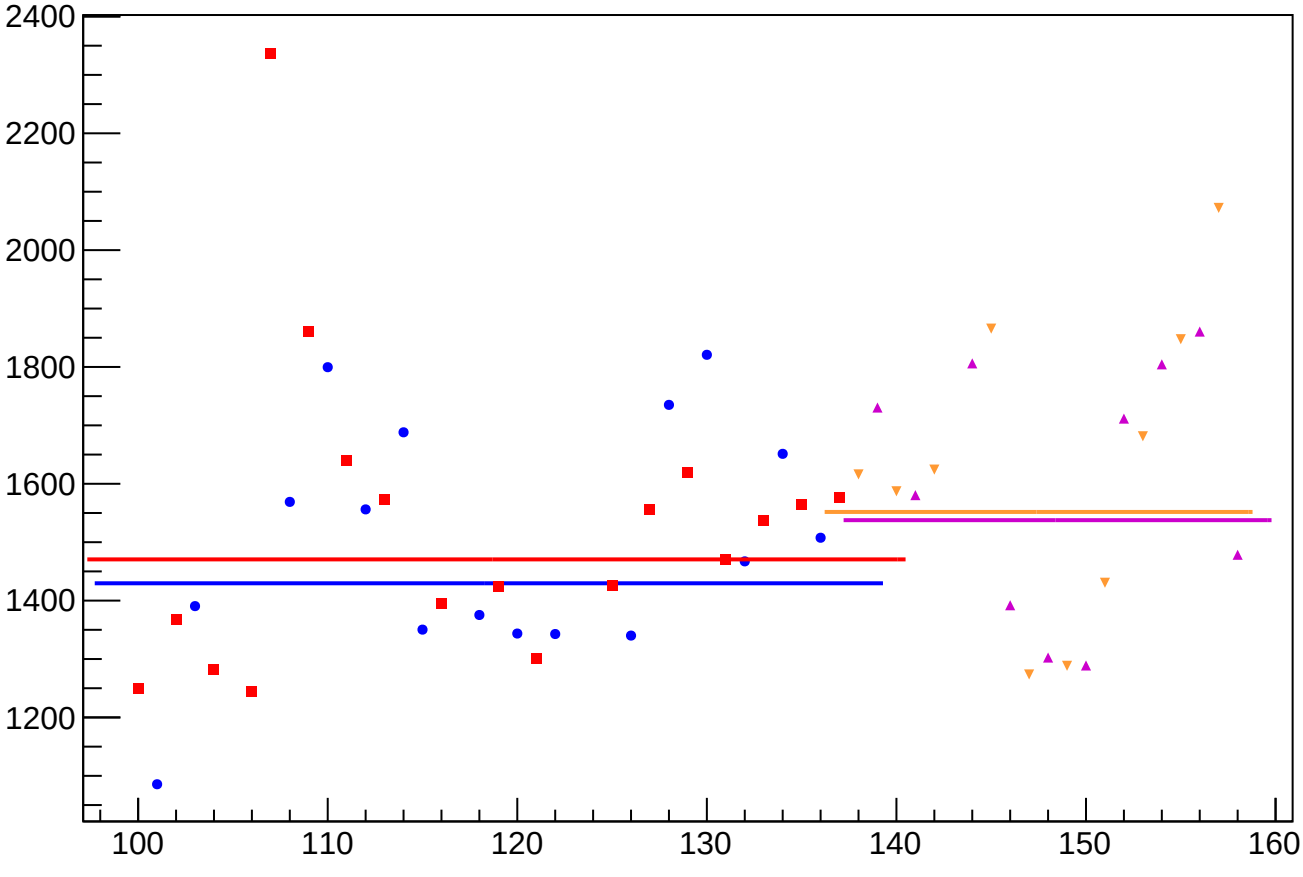
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2121.317+/-376.283 χ^2/NDF:18.8/25

Out: 1783.982+/-392.093 χ^2/NDF:23.8/27

All: 1959.588+/-271.489 χ^2/NDF: 42.9/53

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1551.792+/-0.397 χ^2/NDF:366360.2/9

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

Left In: 1537.715+/-0.372 χ^2/NDF:311027.6/9

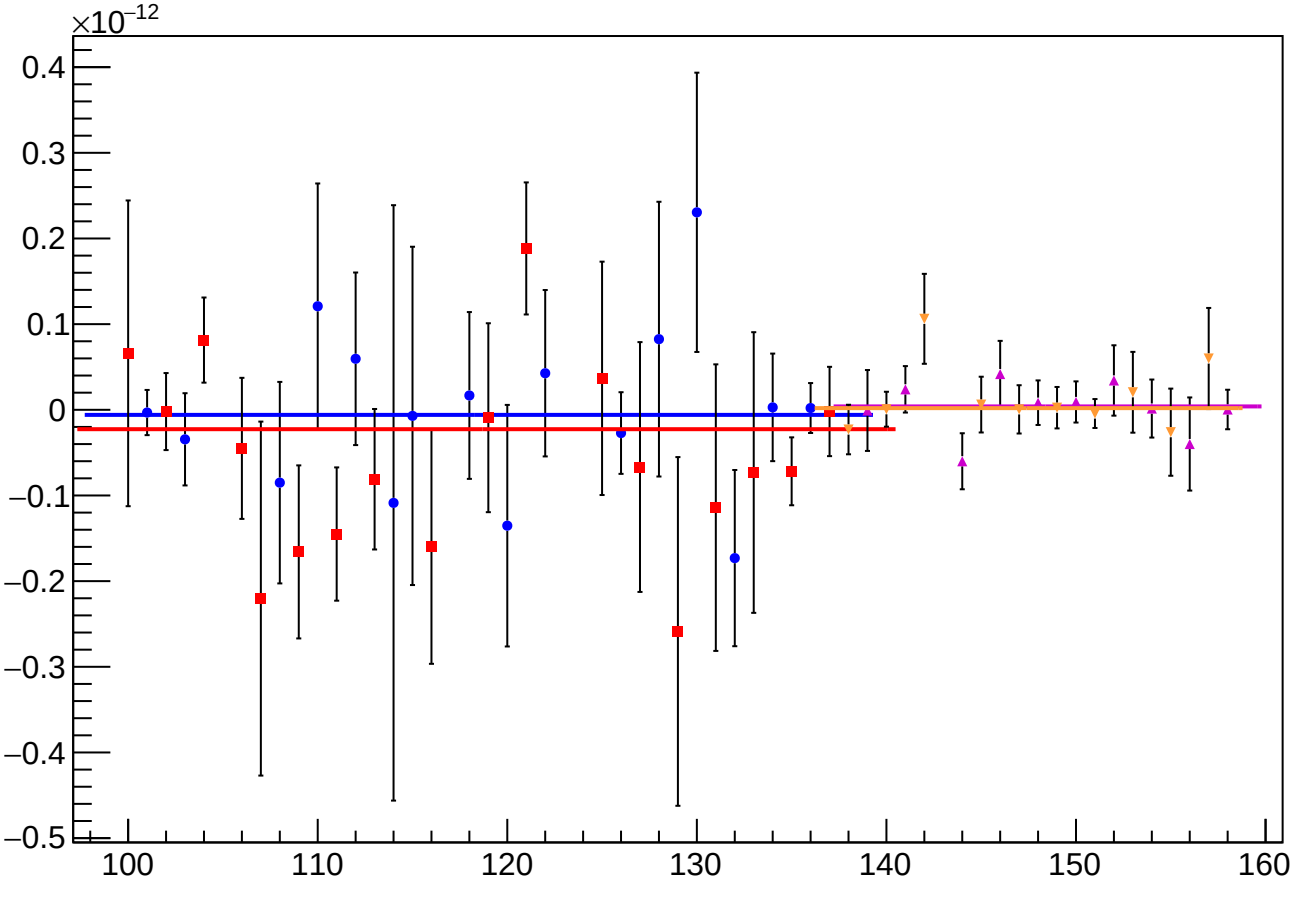
Left: 1544.296+/-0.272 χ^2/NDF: 678056.4/19

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

In: 1484.861+/-0.266 χ^2/NDF:645632.7/25

Out: 1510.130+/-0.277 χ^2/NDF:605871.3/27

All: 1496.976+/-0.192 χ^2/NDF: 1255828.3/53



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/9

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

Left In: 0.000+/-0.000 χ^2/NDF:6.6/9

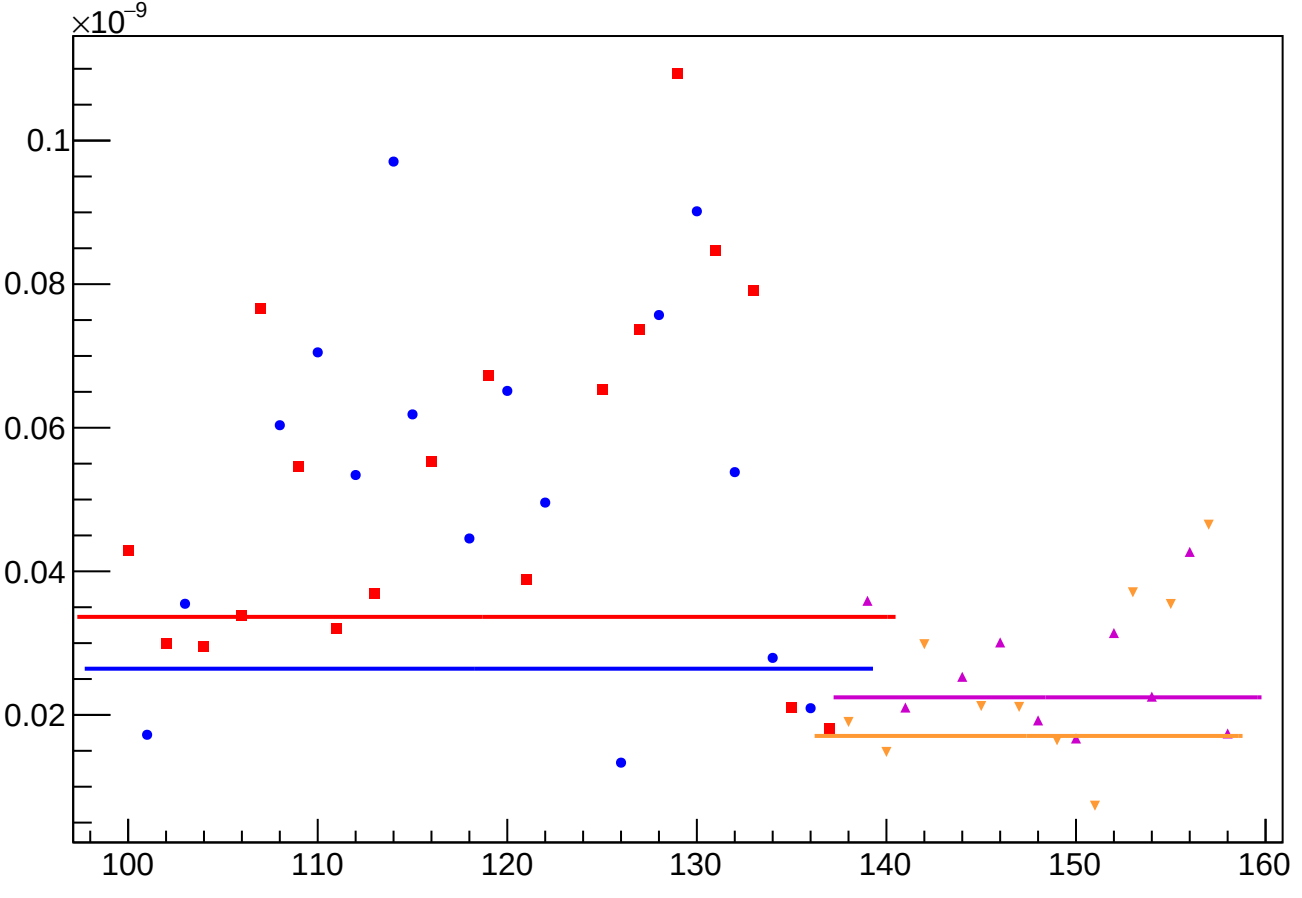
Left: 0.000+/-0.000 χ^2/NDF: 12.9/19

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

In: 0.000+/-0.000 χ^2/NDF:15.5/25

Out: -0.000+/-0.000 χ^2/NDF:30.8/27

All: -0.000+/-0.000 χ^2/NDF: 46.4/53



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

Left Out: 0.000+/-0.000 χ^2/NDF:2007040.2/9

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

Left In: 0.000+/-0.000 χ^2/NDF:873635.2/9

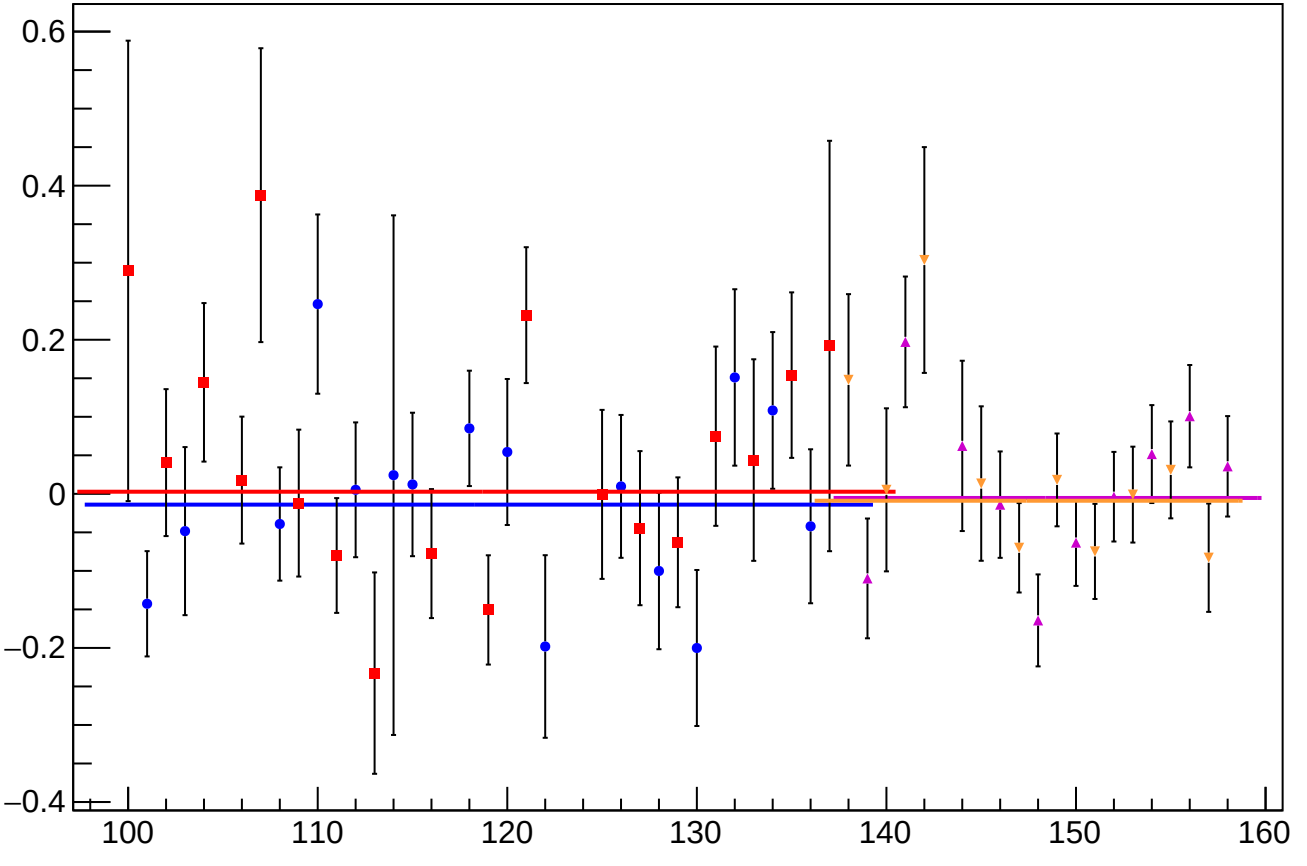
Left: 0.000+/-0.000 χ^2/NDF: 3207475.2/19

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

In: 0.000+/-0.000 χ^2/NDF:3109246.8/25

Out: 0.000+/-0.000 χ^2/NDF:5057351.7/27

All: 0.000+/-0.000 χ^2/NDF: 8334108.7/53



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

Left Out: -0.009+/-0.023 χ^2/NDF:10.6/9

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

Left In: -0.005+/-0.021 χ^2/NDF:19.8/9

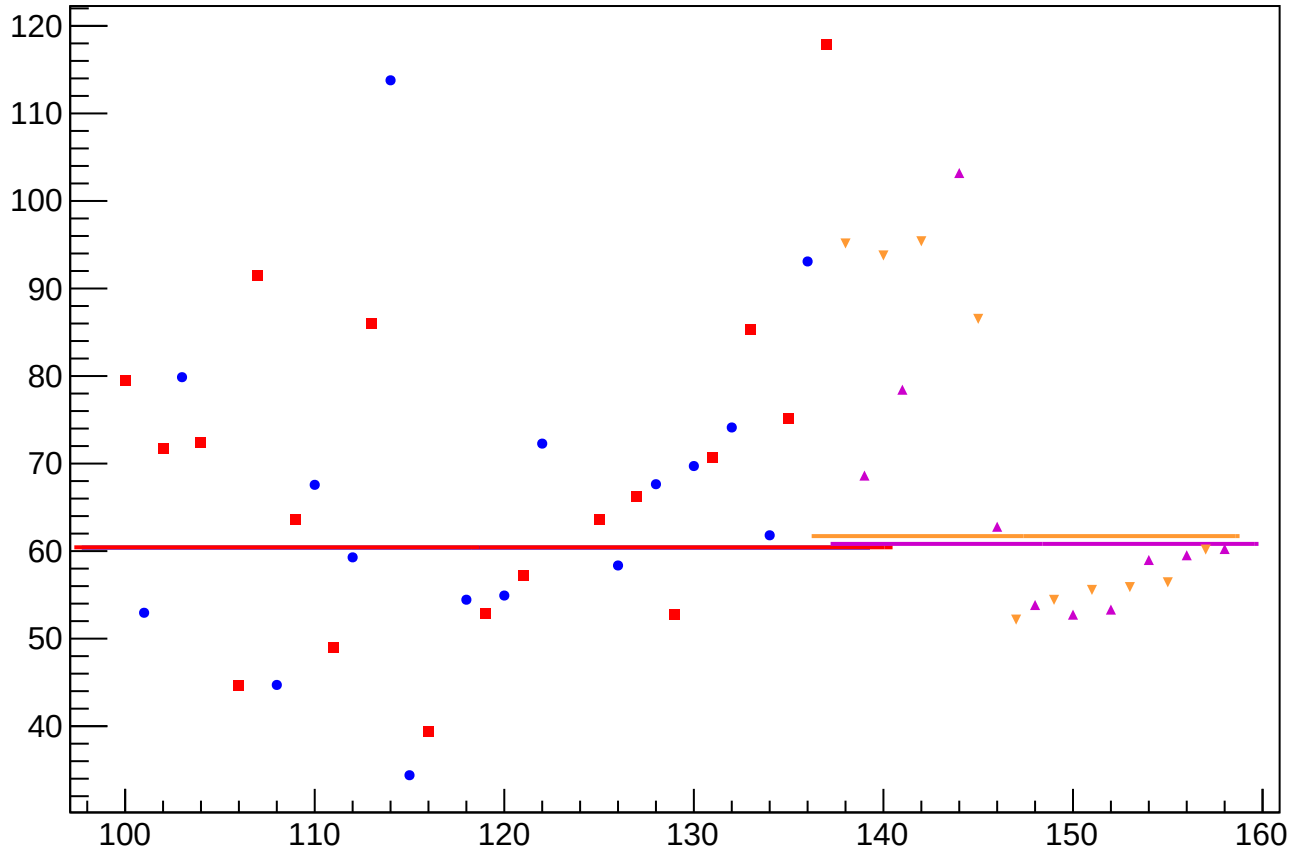
Left: -0.007+/-0.016 χ^2/NDF: 30.4/19

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

In: -0.009+/-0.016 χ^2/NDF:41.2/25

Out: -0.003+/-0.017 χ^2/NDF:38.5/27

All: -0.006+/-0.011 χ^2/NDF: 79.7/53



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

Left Out: 61.713+/-0.016 χ^2/NDF:728186.3/9

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

Left In: 60.824+/-0.015 χ^2/NDF:506537.0/9

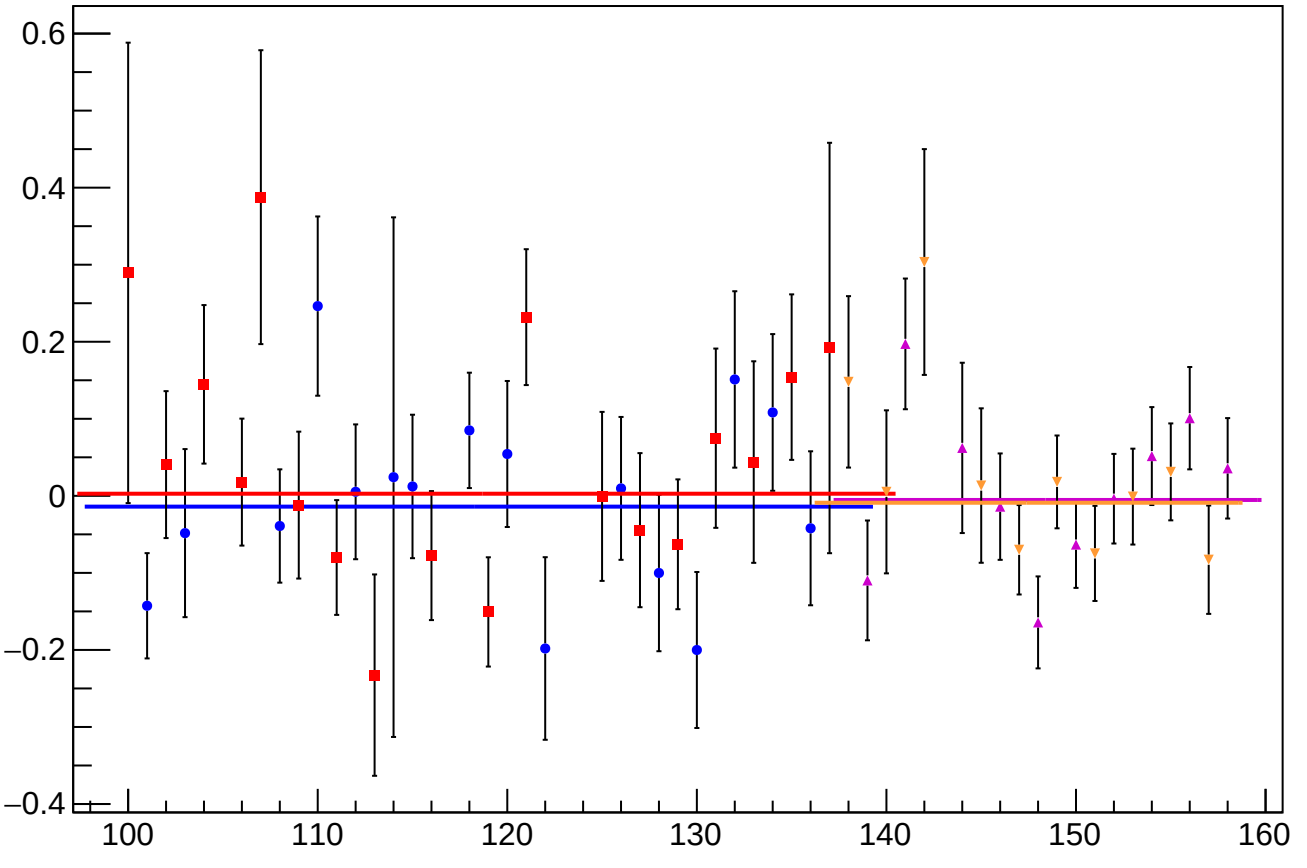
Left: 61.232+/-0.011 χ^2/NDF: 1236317.9/19

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

In: 60.635+/-0.011 χ^2/NDF:1210045.6/25

Out: 61.091+/-0.012 χ^2/NDF:1442245.4/27

All: 60.853+/-0.008 χ^2/NDF: 2653076.2/53



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

Left Out: -0.009+/-0.023 χ^2/NDF:10.6/9

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

Left In: -0.005+/-0.021 χ^2/NDF:19.8/9

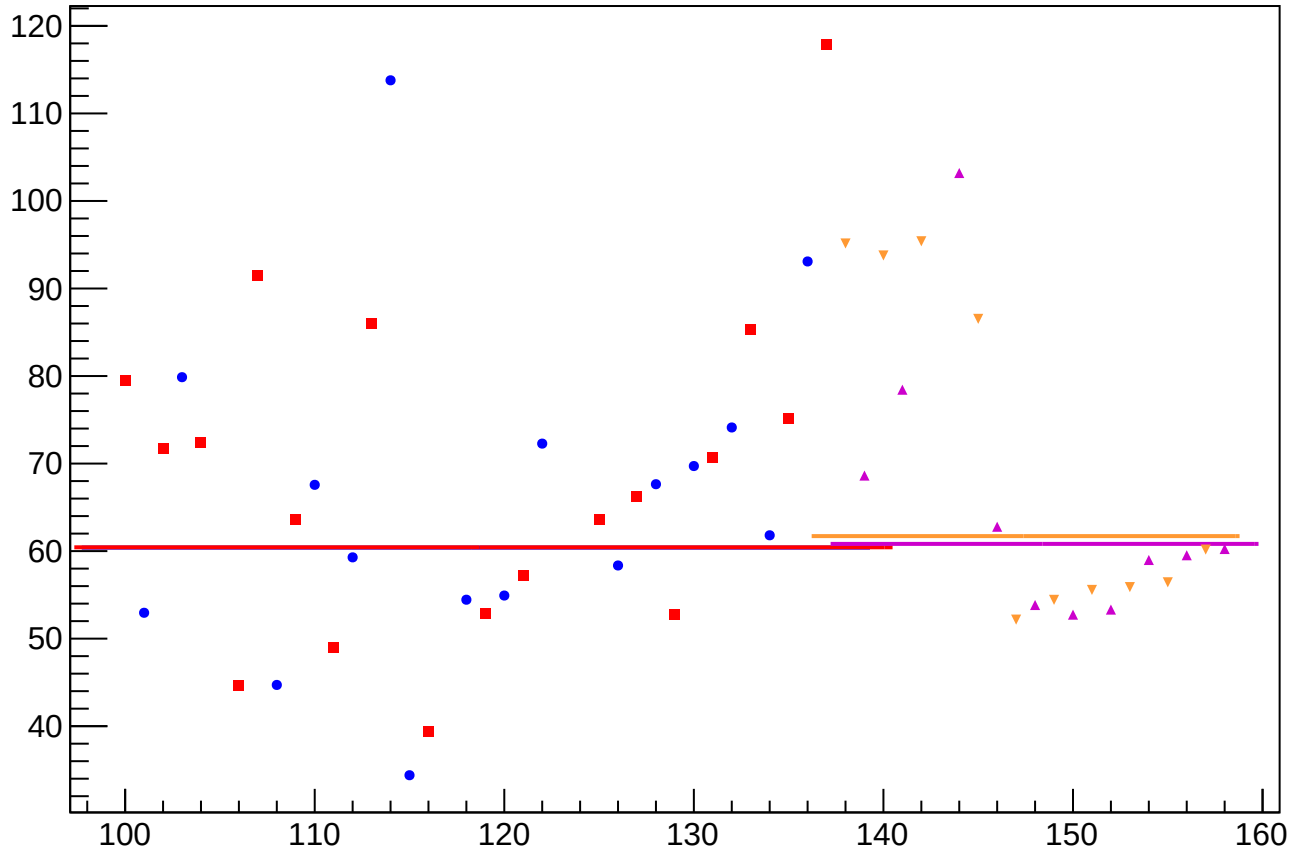
Left: -0.007+/-0.016 χ^2/NDF: 30.4/19

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

In: -0.009+/-0.016 χ^2/NDF:41.2/25

Out: -0.003+/-0.017 χ^2/NDF:38.5/27

All: -0.006+/-0.011 χ^2/NDF: 79.7/53



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

Left Out: 61.713+/-0.016 χ^2/NDF:728186.3/9

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

Left In: 60.824+/-0.015 χ^2/NDF:506537.0/9

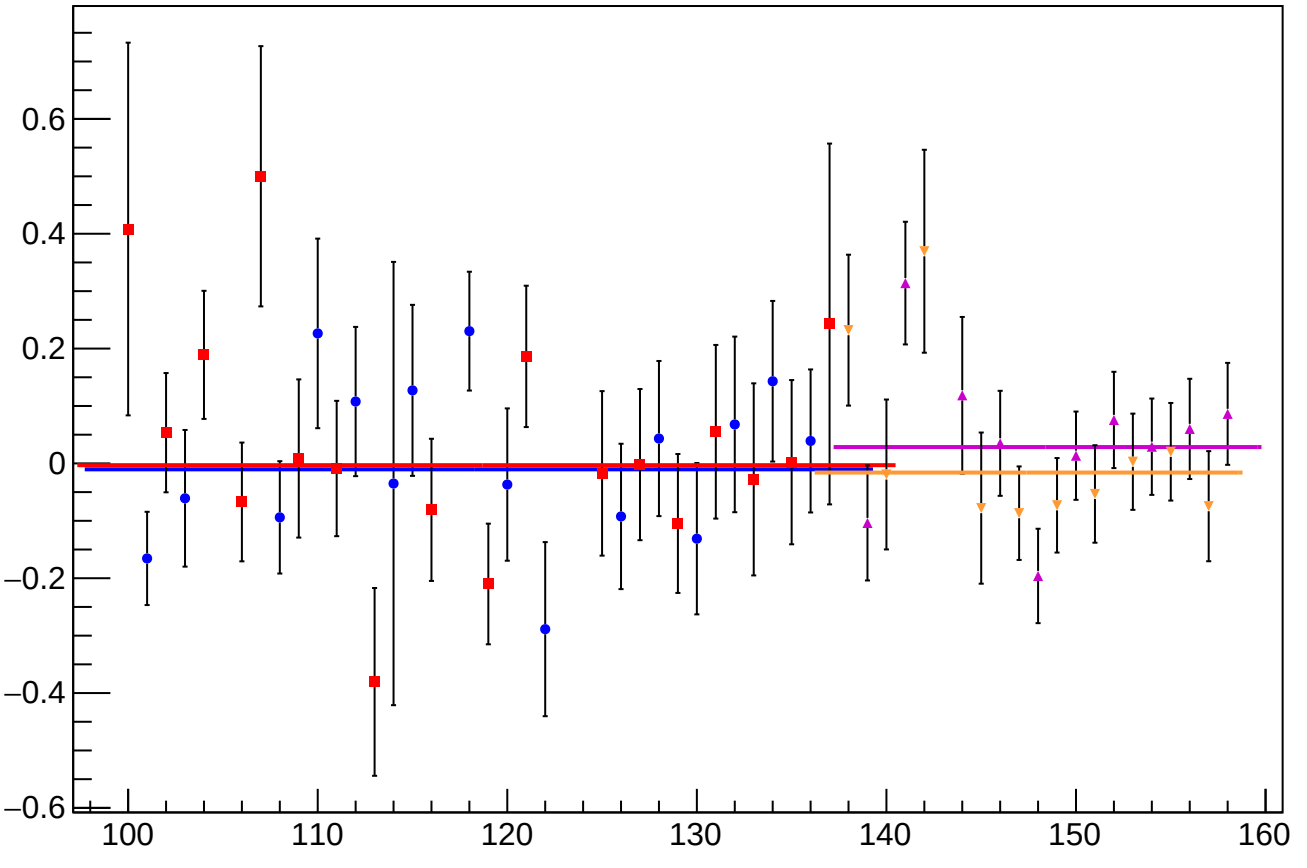
Left: 61.232+/-0.011 χ^2/NDF: 1236317.9/19

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

In: 60.635+/-0.011 χ^2/NDF:1210045.6/25

Out: 61.091+/-0.012 χ^2/NDF:1442245.4/27

All: 60.853+/-0.008 χ^2/NDF: 2653076.2/53



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

Left Out: -0.016+/-0.031 χ^2/NDF:10.6/9

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

Left In: 0.028+/-0.029 χ^2/NDF:17.7/9

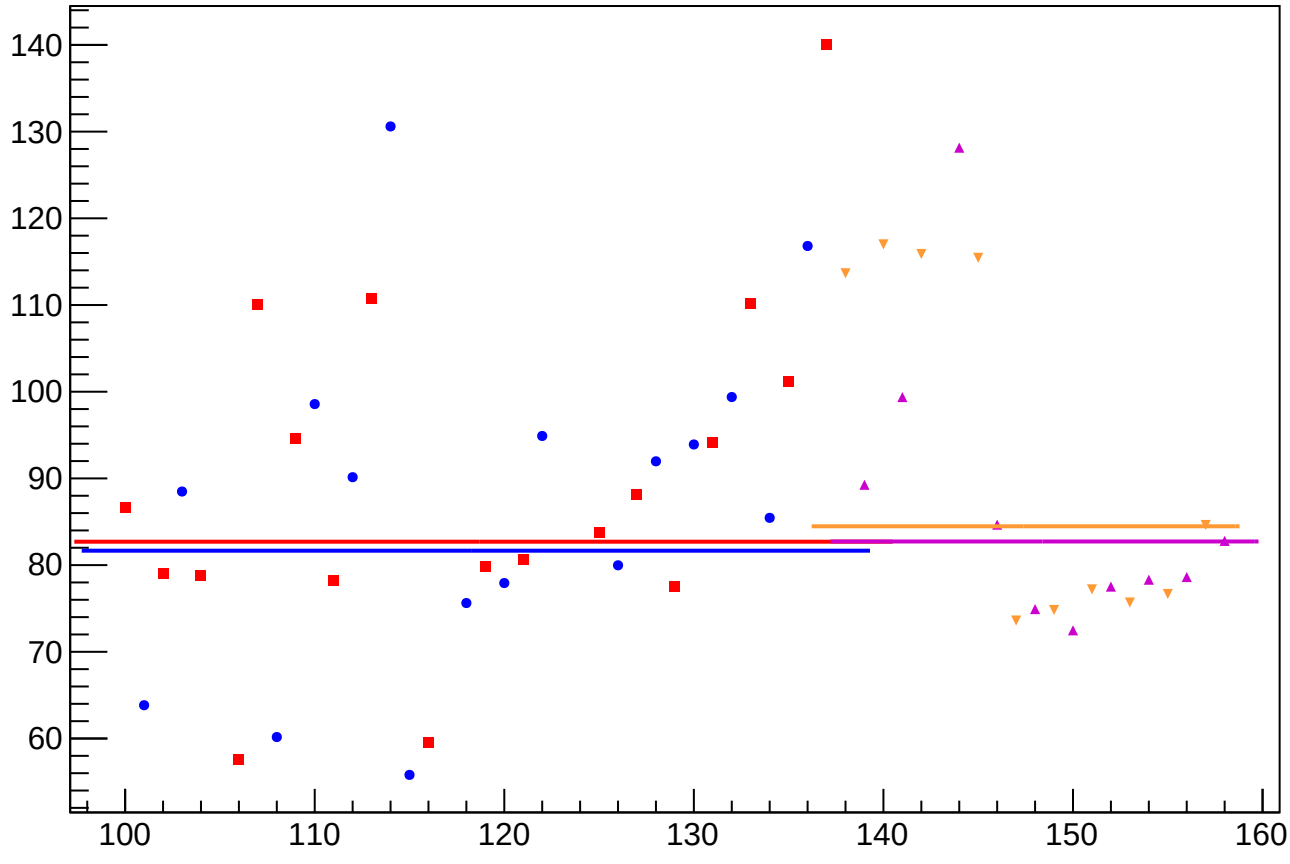
Left: 0.008+/-0.021 χ^2/NDF: 29.4/19

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

In: 0.011+/-0.021 χ^2/NDF:38.7/25

Out: -0.010+/-0.022 χ^2/NDF:34.3/27

All: 0.001+/-0.015 χ^2/NDF: 73.5/53



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

Left Out: 84.478+/-0.022 χ^2/NDF:513333.4/9

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

Left In: 82.726+/-0.020 χ^2/NDF:350828.0/9

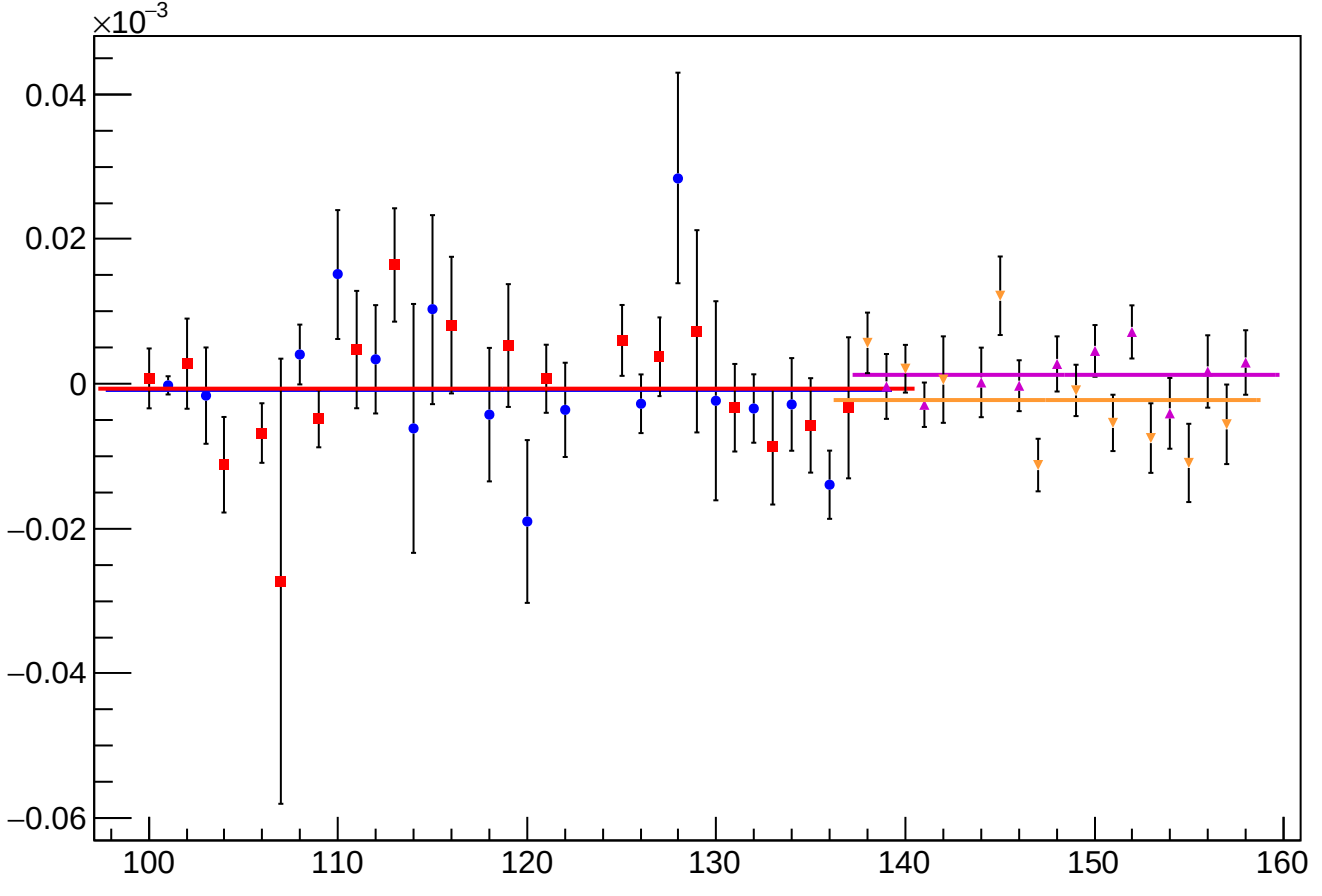
Left: 83.529+/-0.015 χ^2/NDF: 867592.6/19

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

In: 82.247+/-0.015 χ^2/NDF:913918.5/25

Out: 83.607+/-0.016 χ^2/NDF:989593.8/27

All: 82.896+/-0.011 χ^2/NDF: 1907429.8/53



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

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/9

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

Left In: 0.000+/-0.000 χ^2/NDF:7.1/9

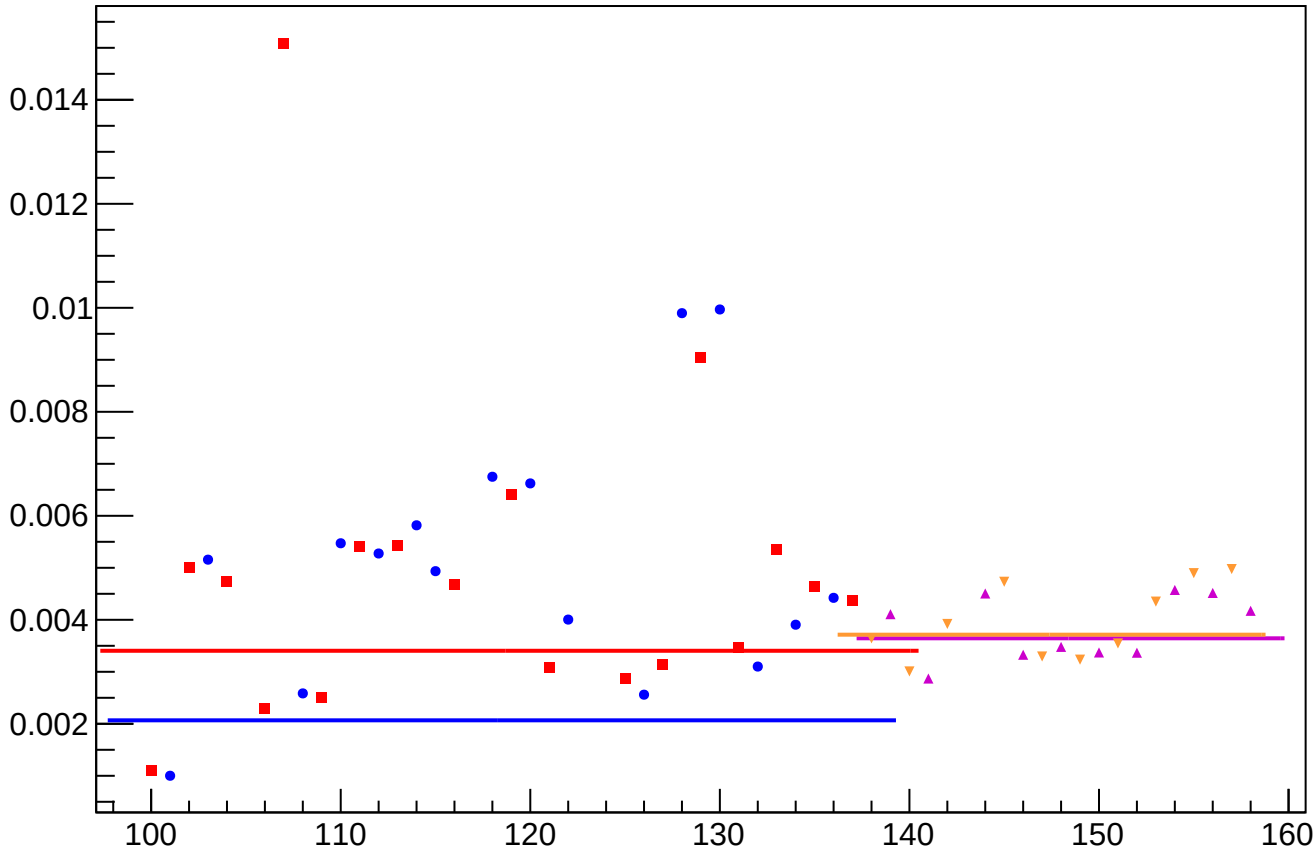
Left: -0.000+/-0.000 χ^2/NDF: 34.3/19

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

In: -0.000+/-0.000 χ^2/NDF:30.1/25

Out: -0.000+/-0.000 χ^2/NDF:42.6/27

All: -0.000+/-0.000 χ^2/NDF: 74.1/53



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

Left Out: 0.004+/-0.000 χ^2/NDF:470855.7/9

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

Left In: 0.004+/-0.000 χ^2/NDF:419266.7/9

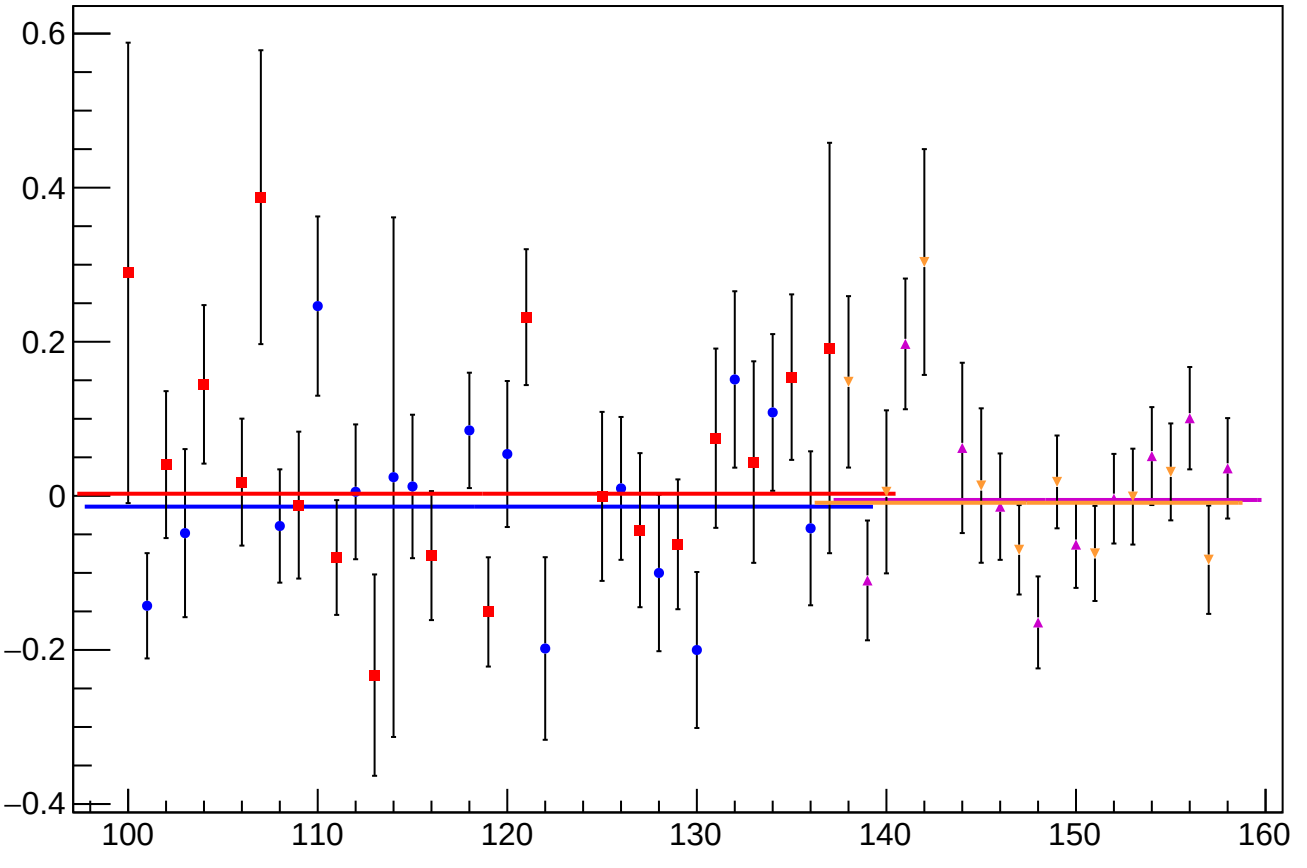
Left: 0.004+/-0.000 χ^2/NDF: 892984.7/19

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

In: 0.003+/-0.000 χ^2/NDF:8155868.9/25

Out: 0.004+/-0.000 χ^2/NDF:3011737.7/27

All: 0.003+/-0.000 χ^2/NDF: 12148209.5/53



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

Left Out: -0.009+/-0.023 χ^2/NDF:10.6/9

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

Left In: -0.005+/-0.021 χ^2/NDF:19.8/9

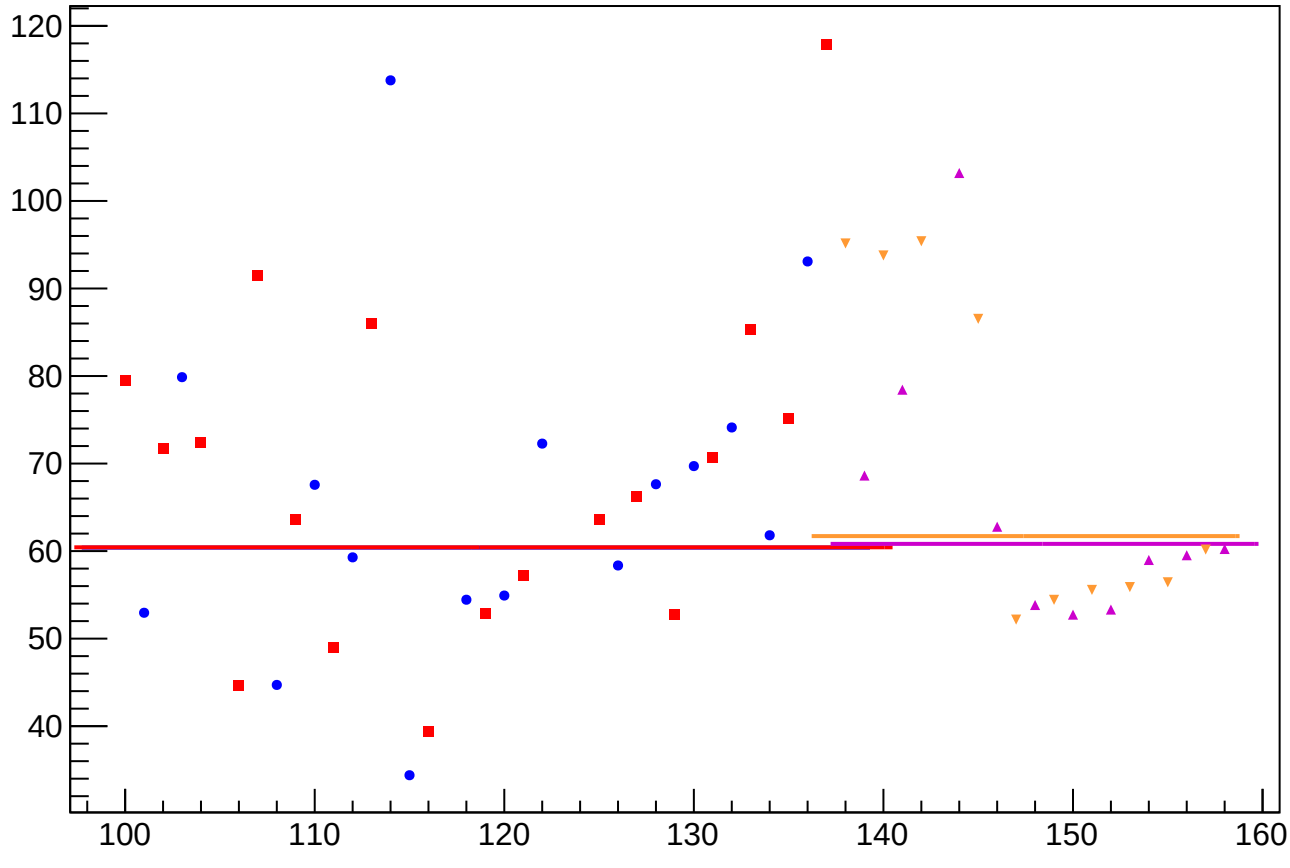
Left: -0.007+/-0.016 χ^2/NDF: 30.4/19

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

In: -0.009+/-0.016 χ^2/NDF:41.2/25

Out: -0.003+/-0.017 χ^2/NDF:38.5/27

All: -0.006+/-0.011 χ^2/NDF: 79.7/53



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

Left Out: 61.713+/-0.016 χ^2/NDF:728180.5/9

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

Left In: 60.824+/-0.015 χ^2/NDF:506532.6/9

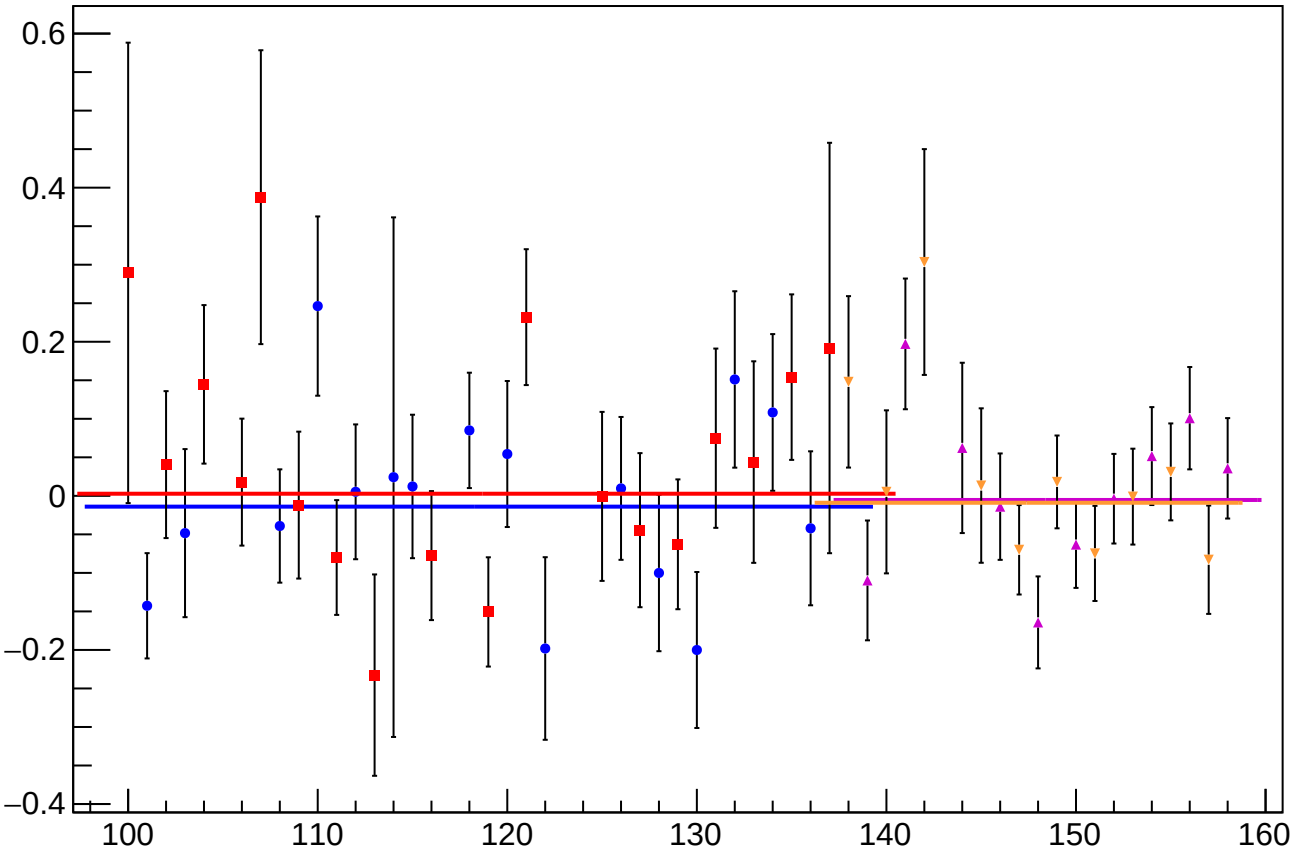
Left: 61.232+/-0.011 χ^2/NDF: 1236307.5/19

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

In: 60.635+/-0.011 χ^2/NDF:1210056.1/25

Out: 61.090+/-0.012 χ^2/NDF:1442277.5/27

All: 60.853+/-0.008 χ^2/NDF: 2653117.8/53



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

Left Out: -0.009+/-0.023 χ^2/NDF:10.6/9

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

Left In: -0.005+/-0.021 χ^2/NDF:19.8/9

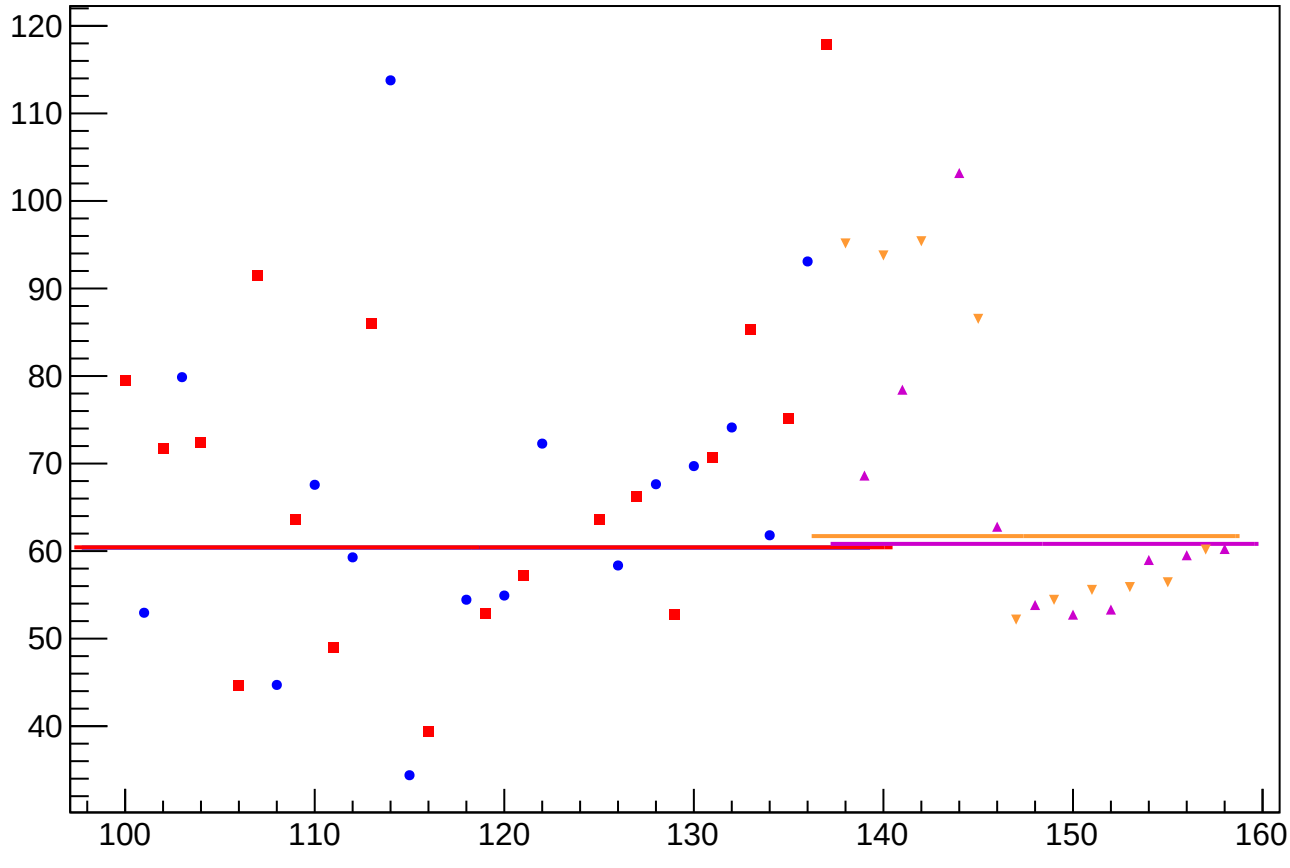
Left: -0.007+/-0.016 χ^2/NDF: 30.4/19

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

In: -0.009+/-0.016 χ^2/NDF:41.2/25

Out: -0.003+/-0.017 χ^2/NDF:38.5/27

All: -0.006+/-0.011 χ^2/NDF: 79.7/53



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

Left Out: 61.713+/-0.016 χ^2/NDF:728180.5/9

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

Left In: 60.824+/-0.015 χ^2/NDF:506532.6/9

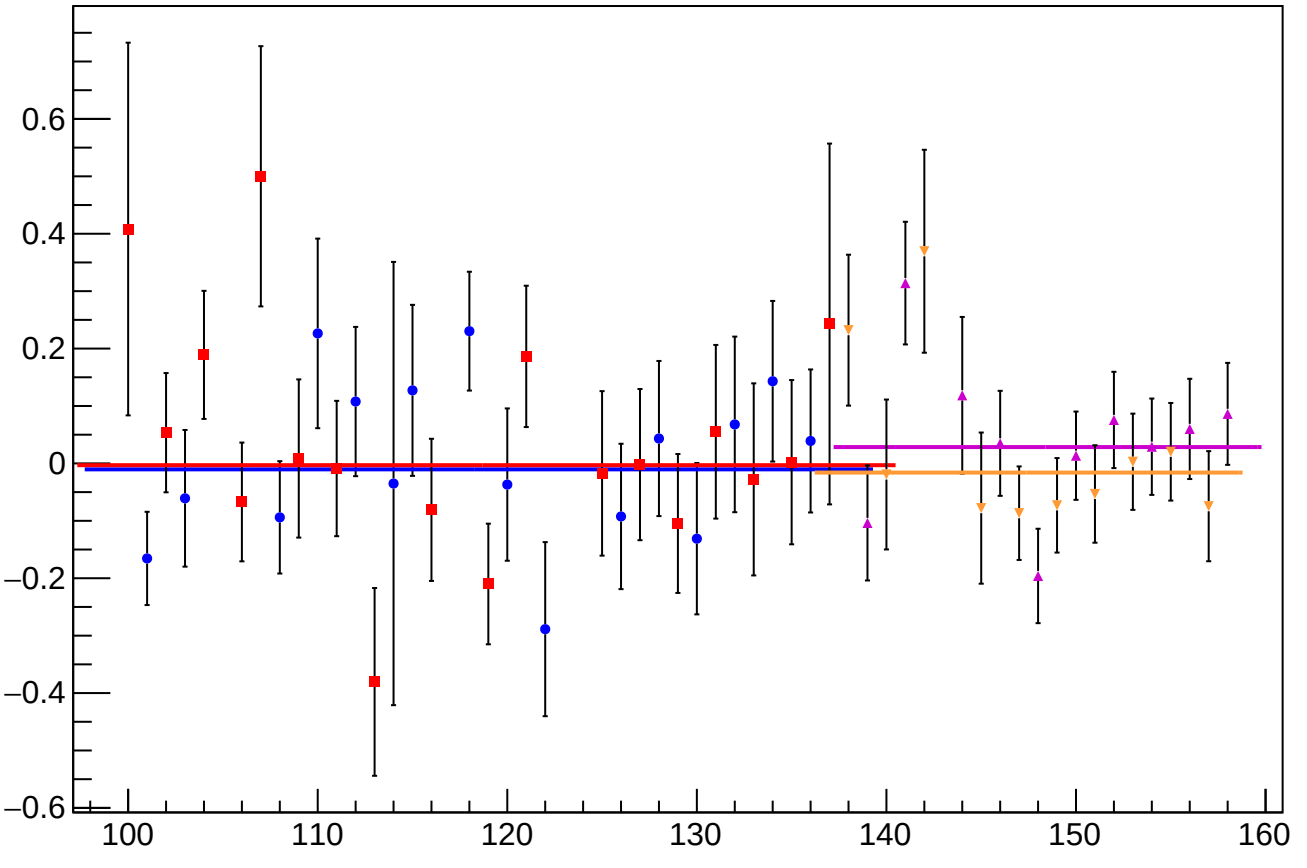
Left: 61.232+/-0.011 χ^2/NDF: 1236307.5/19

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

In: 60.635+/-0.011 χ^2/NDF:1210056.1/25

Out: 61.090+/-0.012 χ^2/NDF:1442277.5/27

All: 60.853+/-0.008 χ^2/NDF: 2653117.8/53



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

Left Out: -0.016+/-0.031 χ^2/NDF:10.6/9

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

Left In: 0.028+/-0.029 χ^2/NDF:17.7/9

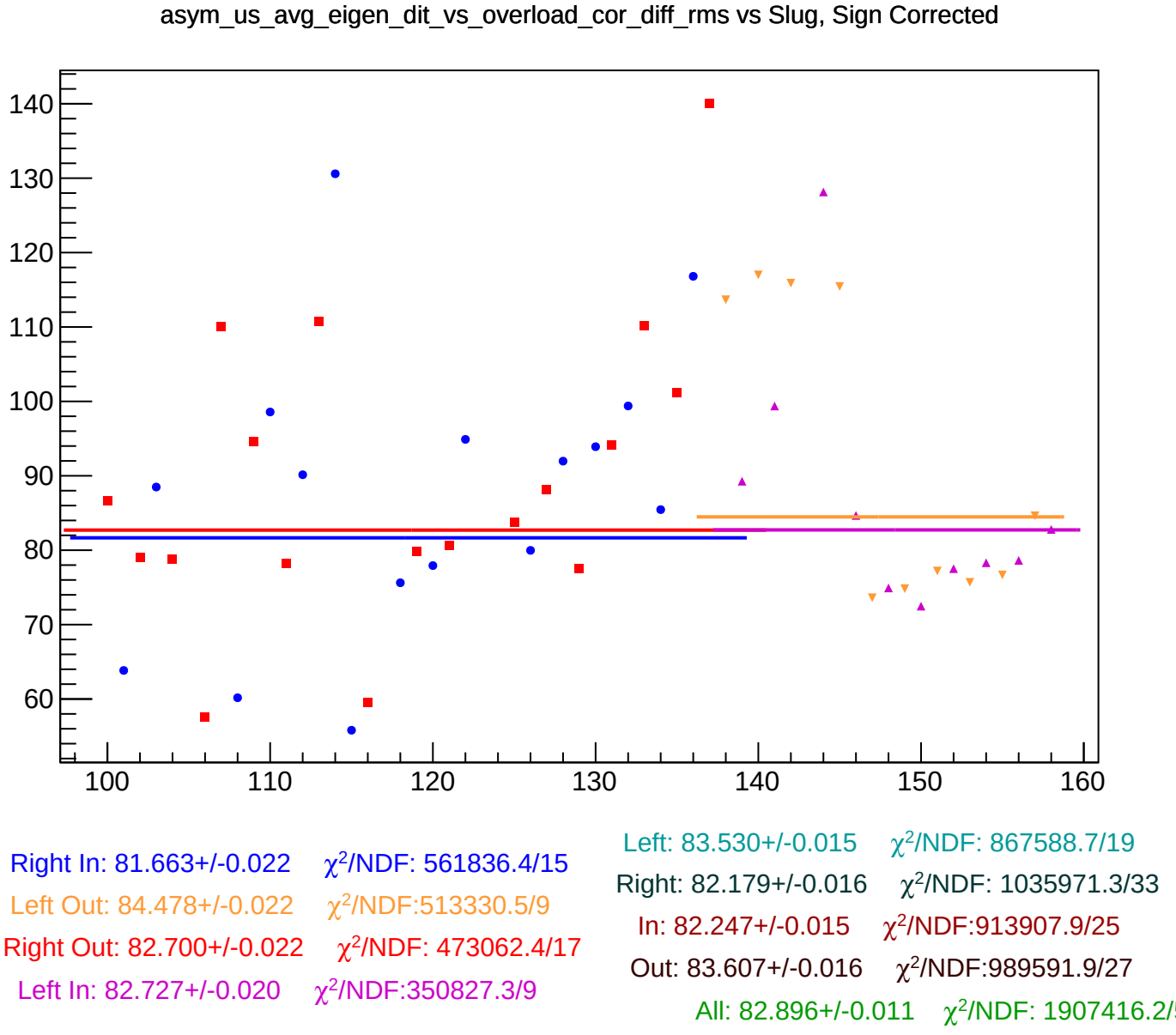
Left: 0.008+/-0.021 χ^2/NDF: 29.4/19

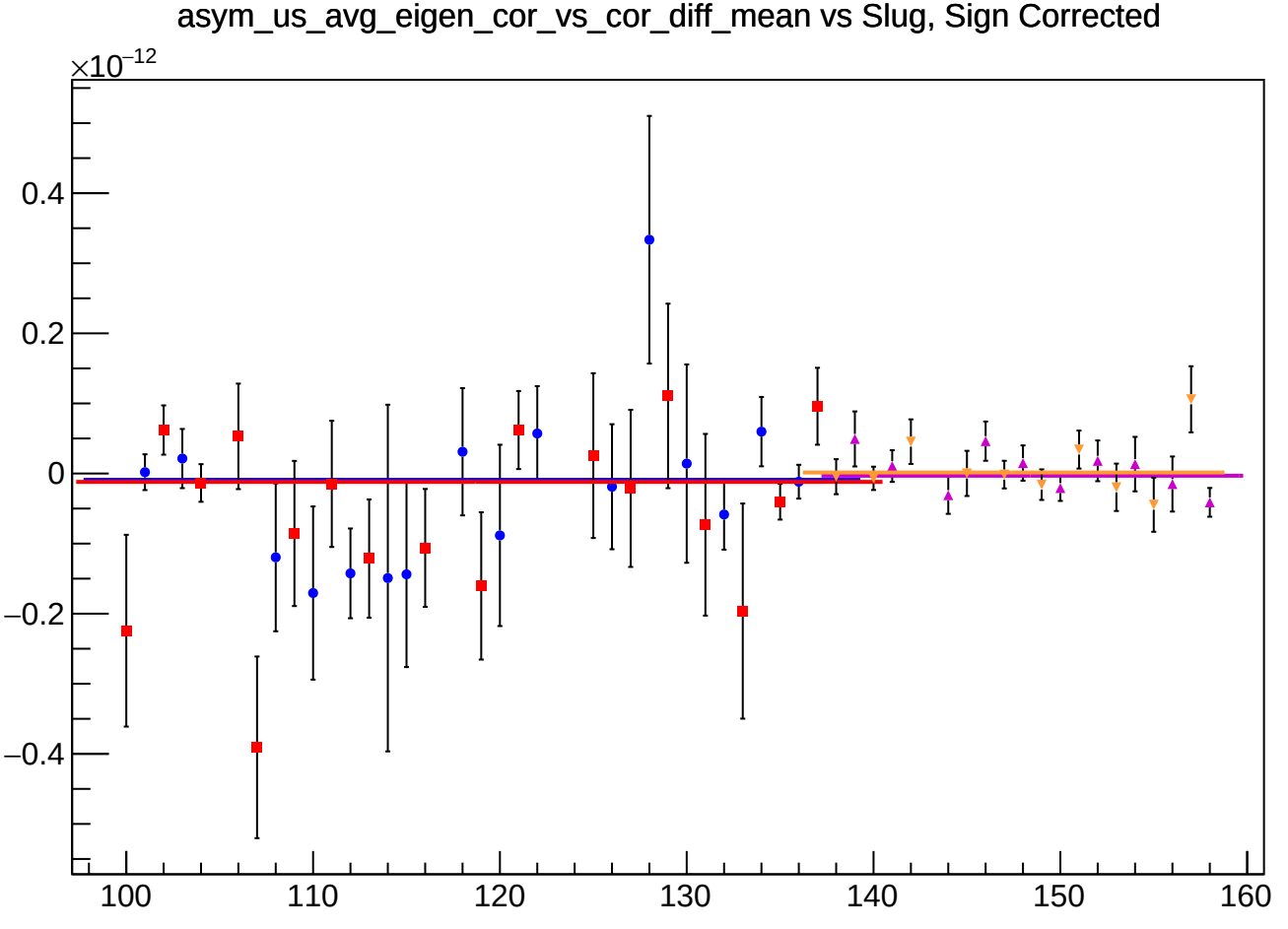
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.011+/-0.021 χ^2/NDF:38.7/25

Out: -0.010+/-0.022 χ^2/NDF:34.3/27

All: 0.001+/-0.015 χ^2/NDF: 73.5/53


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
Right In: 81.663+/-0.022 χ2/NDF: 561836.4/15
Left Out: 84.478+/-0.022 χ2/NDF:513330.5/9
Right Out: 82.700+/-0.022 χ2/NDF: 473062.4/17
Left In: 82.727+/-0.020 χ2/NDF:350827.3/9
Left: 83.530+/-0.015 χ2/NDF: 867588.7/19
Right: 82.179+/-0.016 χ2/NDF: 1035971.3/33
In: 82.247+/-0.015 χ2/NDF:913907.9/25
Out: 83.607+/-0.016 χ2/NDF:989591.9/27
All: 82.896+/-0.011 χ2/NDF: 1907416.2/53



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/9

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

Left In: -0.000+/-0.000 χ^2/NDF:12.0/9

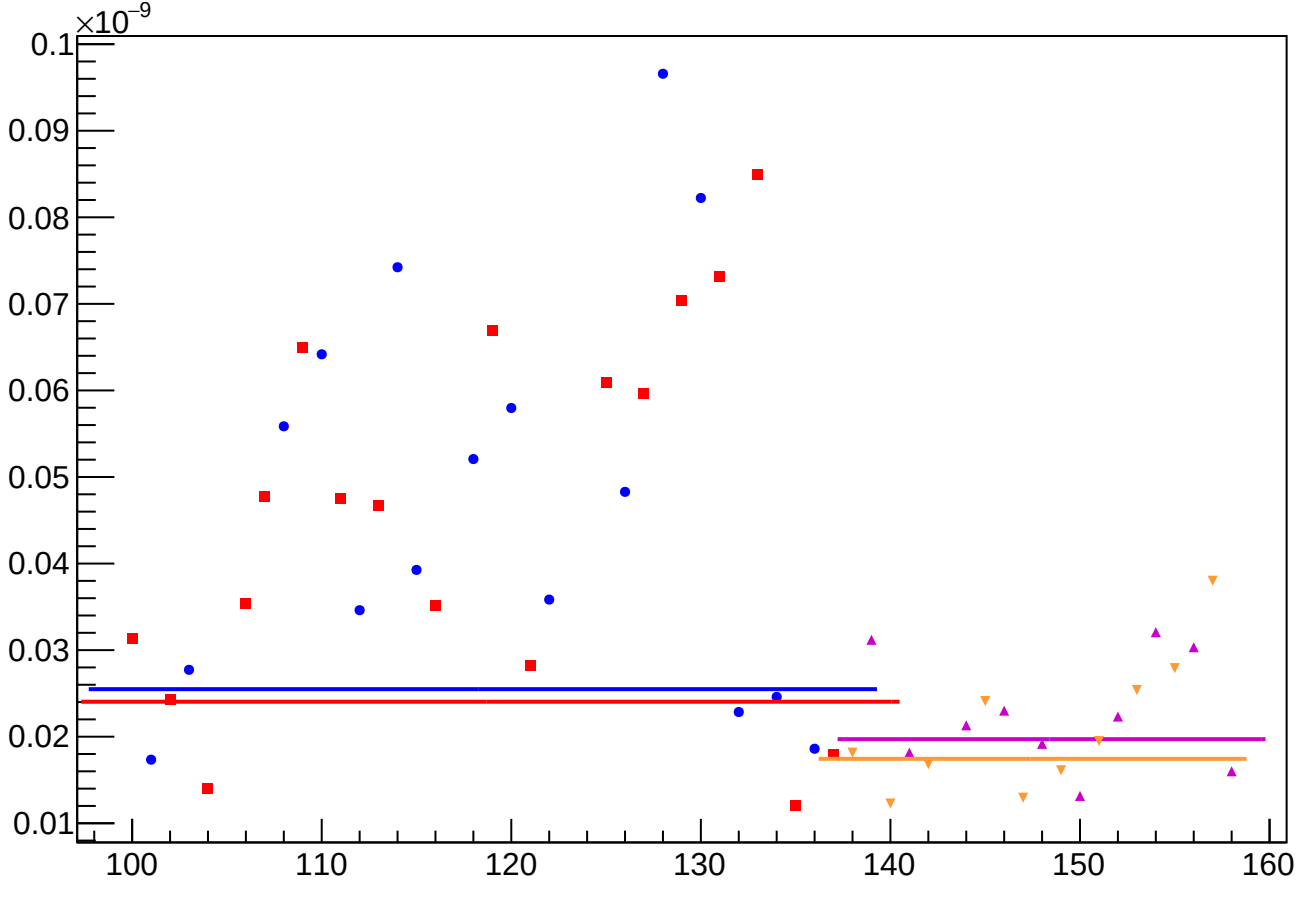
Left: -0.000+/-0.000 χ^2/NDF: 23.2/19

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

In: -0.000+/-0.000 χ^2/NDF:29.6/25

Out: -0.000+/-0.000 χ^2/NDF:42.8/27

All: -0.000+/-0.000 χ^2/NDF: 72.5/53



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

Left Out: 0.000+/-0.000 χ^2/NDF:1041529.2/9

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

Left In: 0.000+/-0.000 χ^2/NDF:900385.4/9

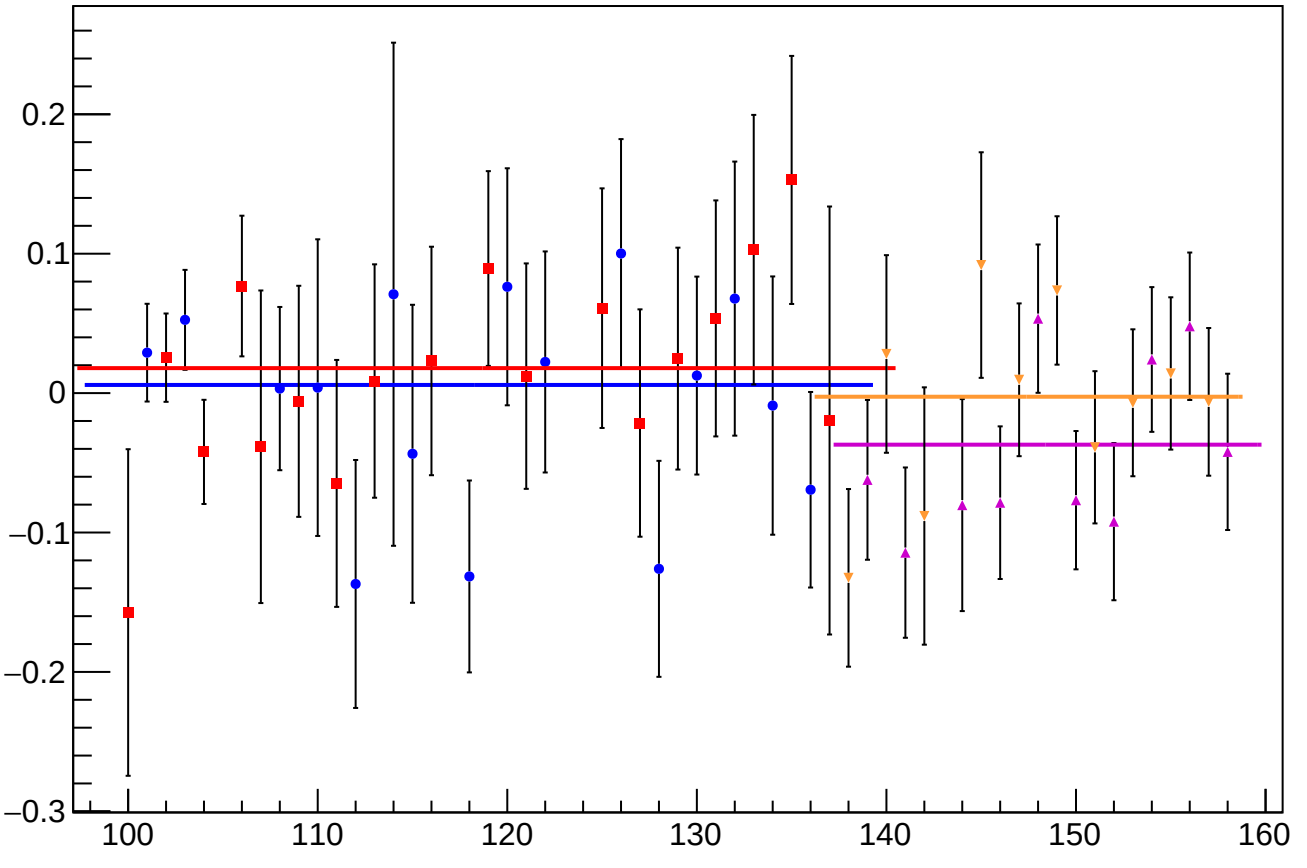
Left: 0.000+/-0.000 χ^2/NDF: 2018906.6/19

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

In: 0.000+/-0.000 χ^2/NDF:3174073.9/25

Out: 0.000+/-0.000 χ^2/NDF:4480838.6/27

All: 0.000+/-0.000 χ^2/NDF: 7747110.6/53



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

Left Out: -0.003+/-0.019 χ^2/NDF:9.2/9

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

Left In: -0.037+/-0.018 χ^2/NDF:11.2/9

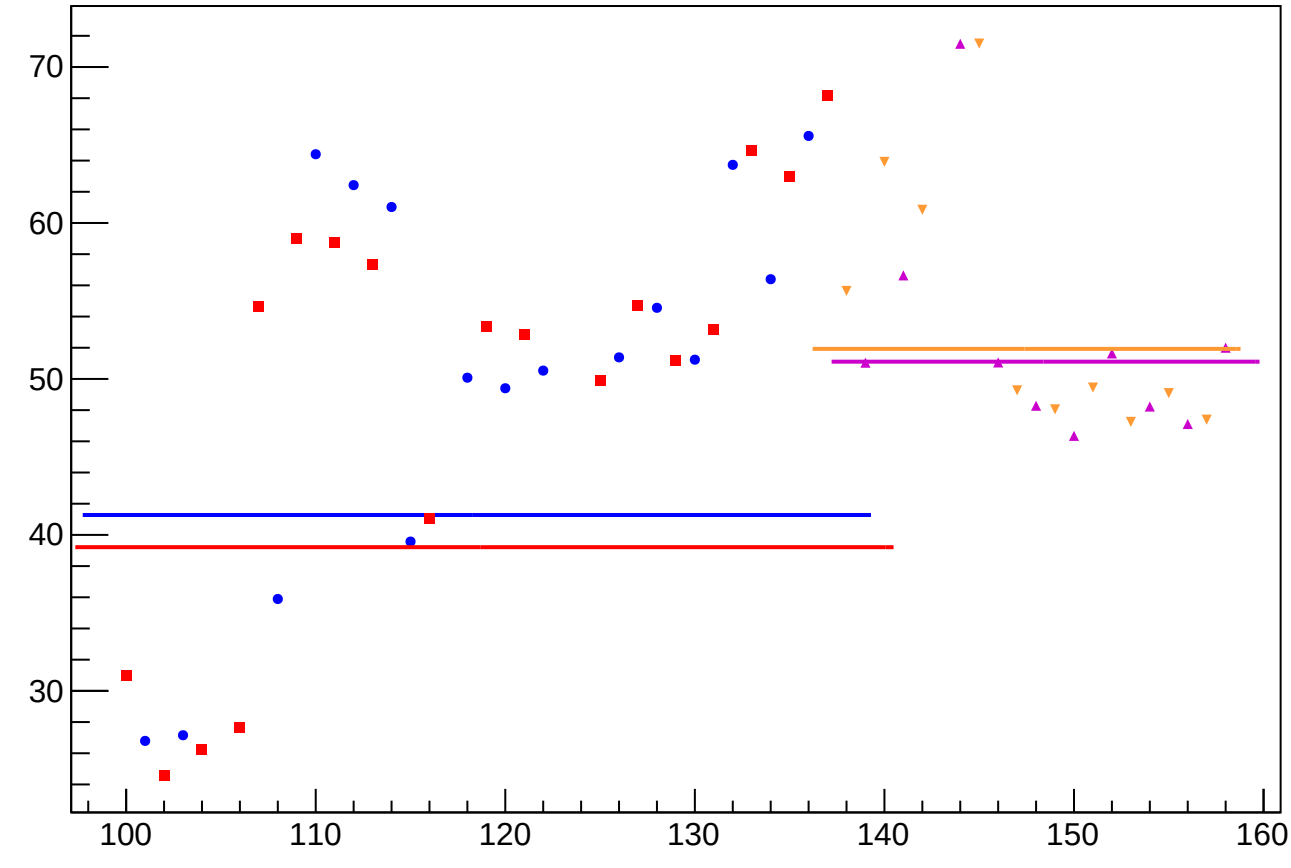
Left: -0.021+/-0.013 χ^2/NDF: 22.1/19

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.012 χ^2/NDF:29.9/25

Out: 0.010+/-0.012 χ^2/NDF:22.2/27

All: -0.002+/-0.009 χ^2/NDF: 54.0/53



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

Left Out: 51.927+/-0.013 χ^2/NDF:255102.0/9

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

Left In: 51.107+/-0.012 χ^2/NDF:202440.0/9

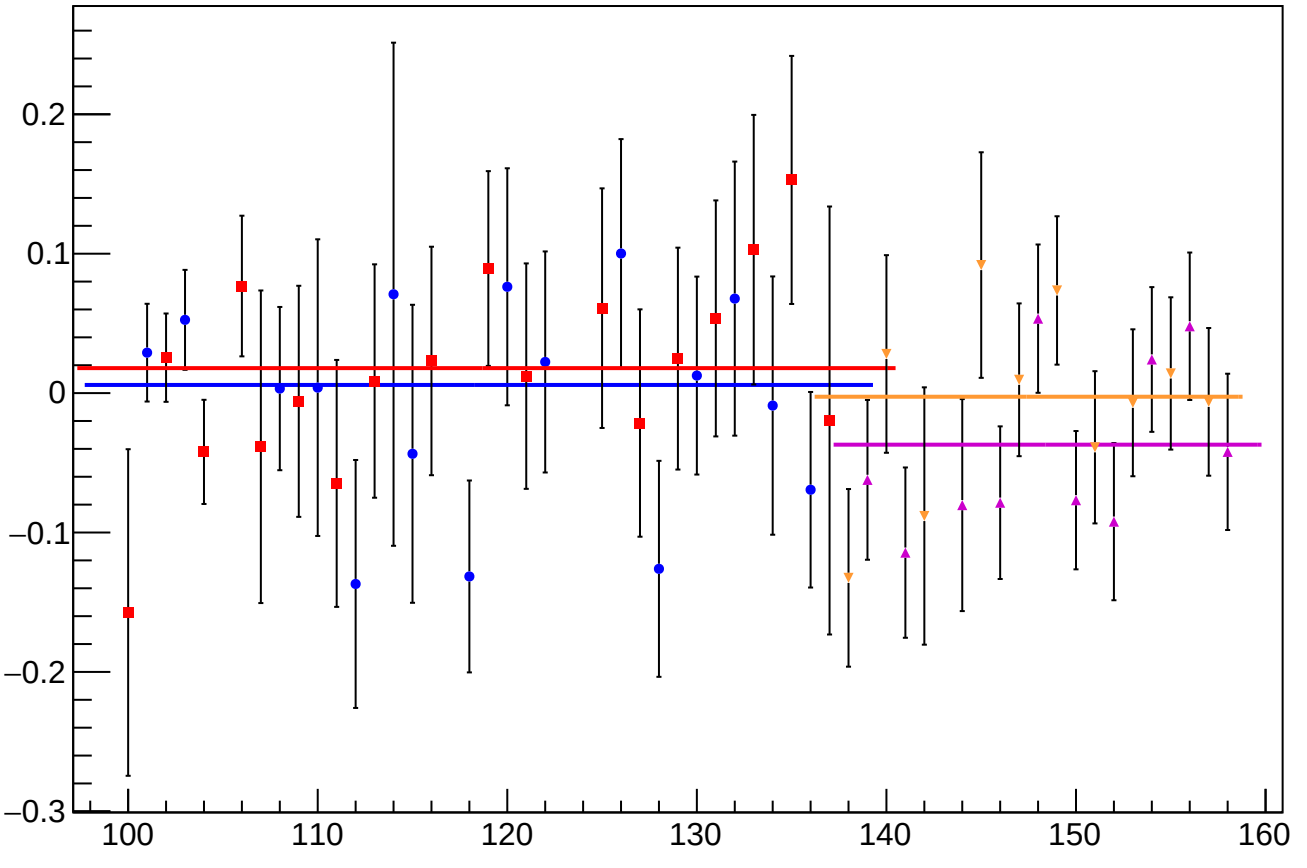
Left: 51.489+/-0.009 χ^2/NDF: 459546.5/19

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

In: 45.861+/-0.009 χ^2/NDF:2037739.4/25

Out: 44.405+/-0.009 χ^2/NDF:2608453.7/27

All: 45.135+/-0.006 χ^2/NDF: 4660714.1/53



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

Left Out: -0.003+/-0.019 χ^2/NDF:9.2/9

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

Left In: -0.037+/-0.018 χ^2/NDF:11.2/9

Left: -0.021+/-0.013 χ^2/NDF: 22.1/19

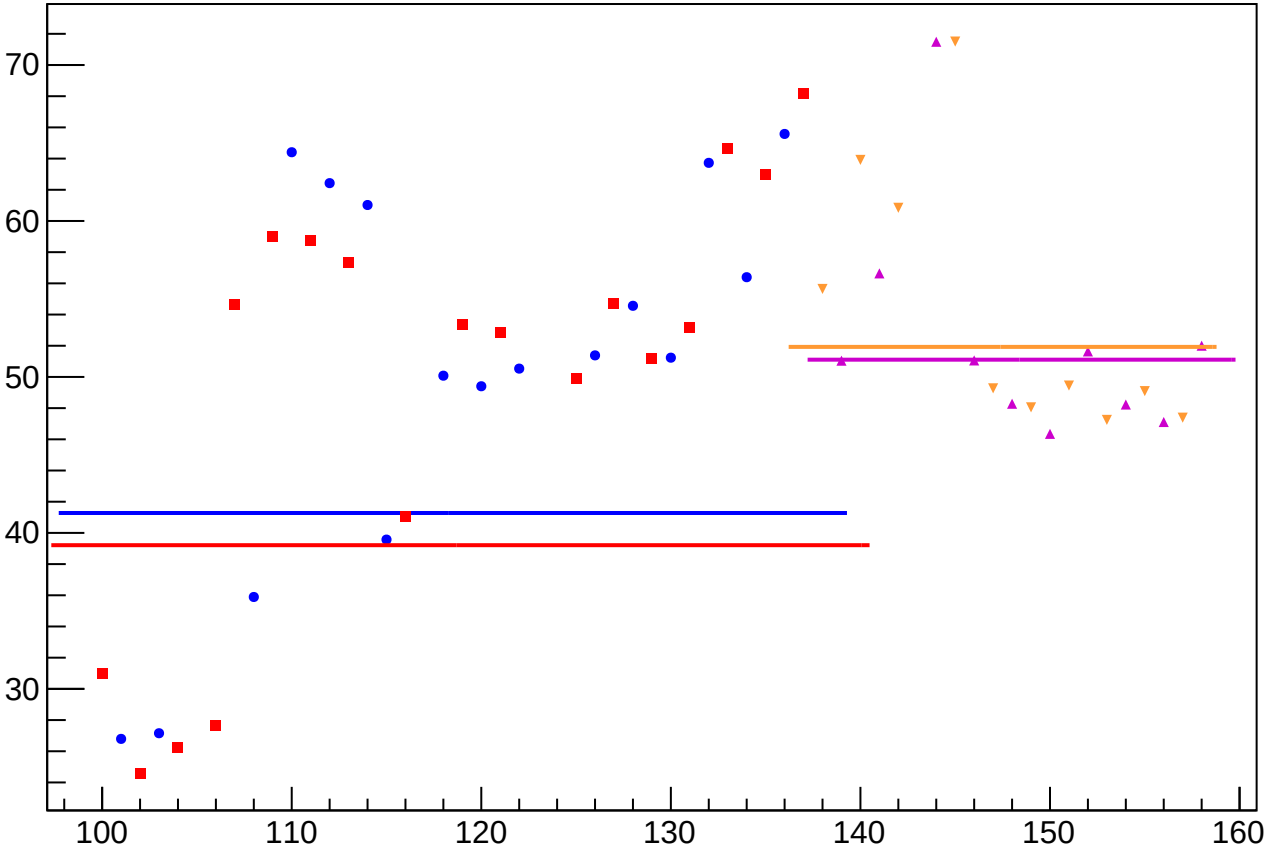
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.012 χ^2/NDF:29.9/25

Out: 0.010+/-0.012 χ^2/NDF:22.2/27

All: -0.002+/-0.009 χ^2/NDF: 54.0/53

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 51.927+/-0.013 χ^2/NDF:255102.0/9

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

Left In: 51.107+/-0.012 χ^2/NDF:202440.0/9

Left: 51.489+/-0.009 χ^2/NDF: 459546.5/19

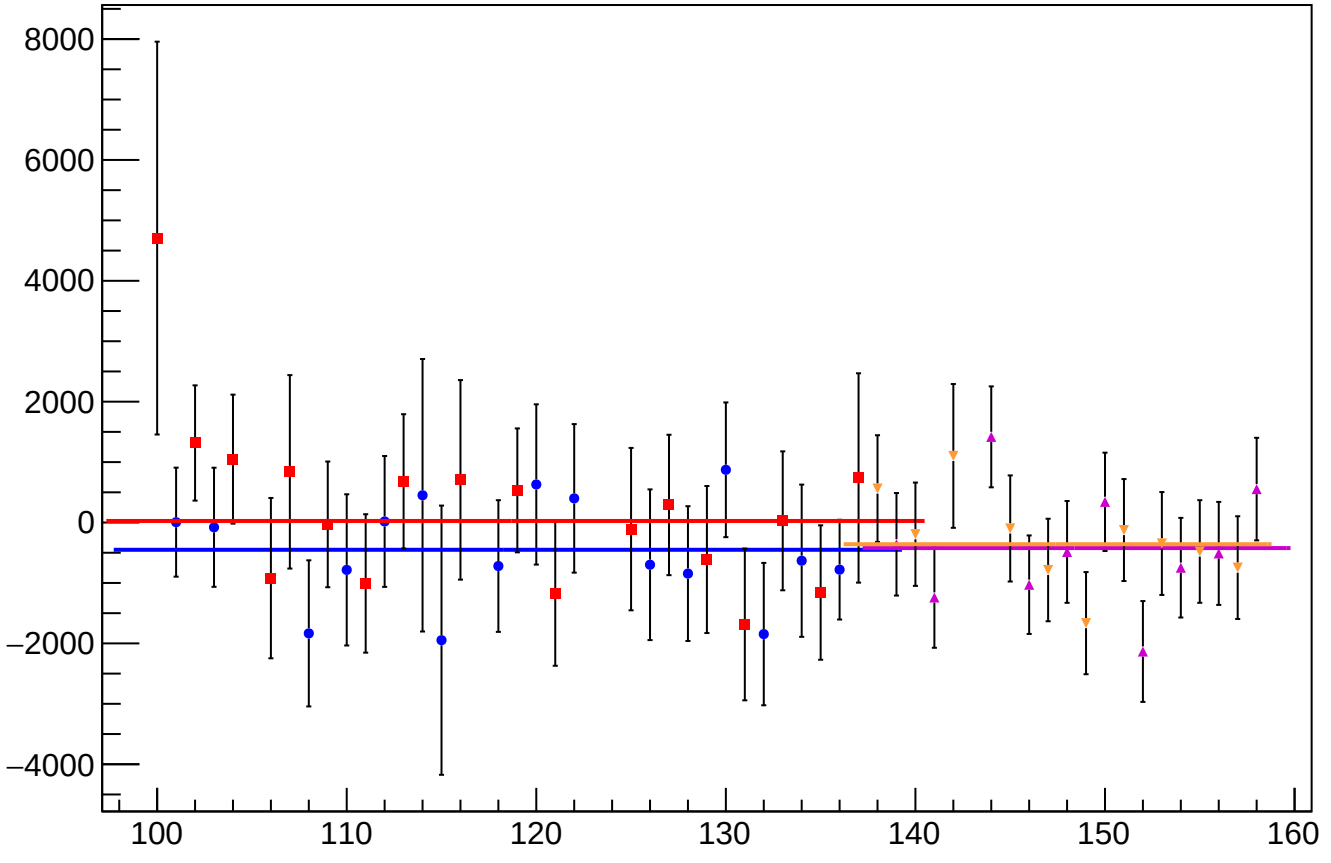
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 45.861+/-0.009 χ^2/NDF:2037739.4/25

Out: 44.405+/-0.009 χ^2/NDF:2608453.7/27

All: 45.135+/-0.006 χ^2/NDF: 4660714.1/53

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -358.900+/-277.330 χ^2/NDF:5.7/9

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

Left In: -422.600+/-263.872 χ^2/NDF:13.0/9

Left: -392.333+/-191.166 χ^2/NDF: 18.7/19

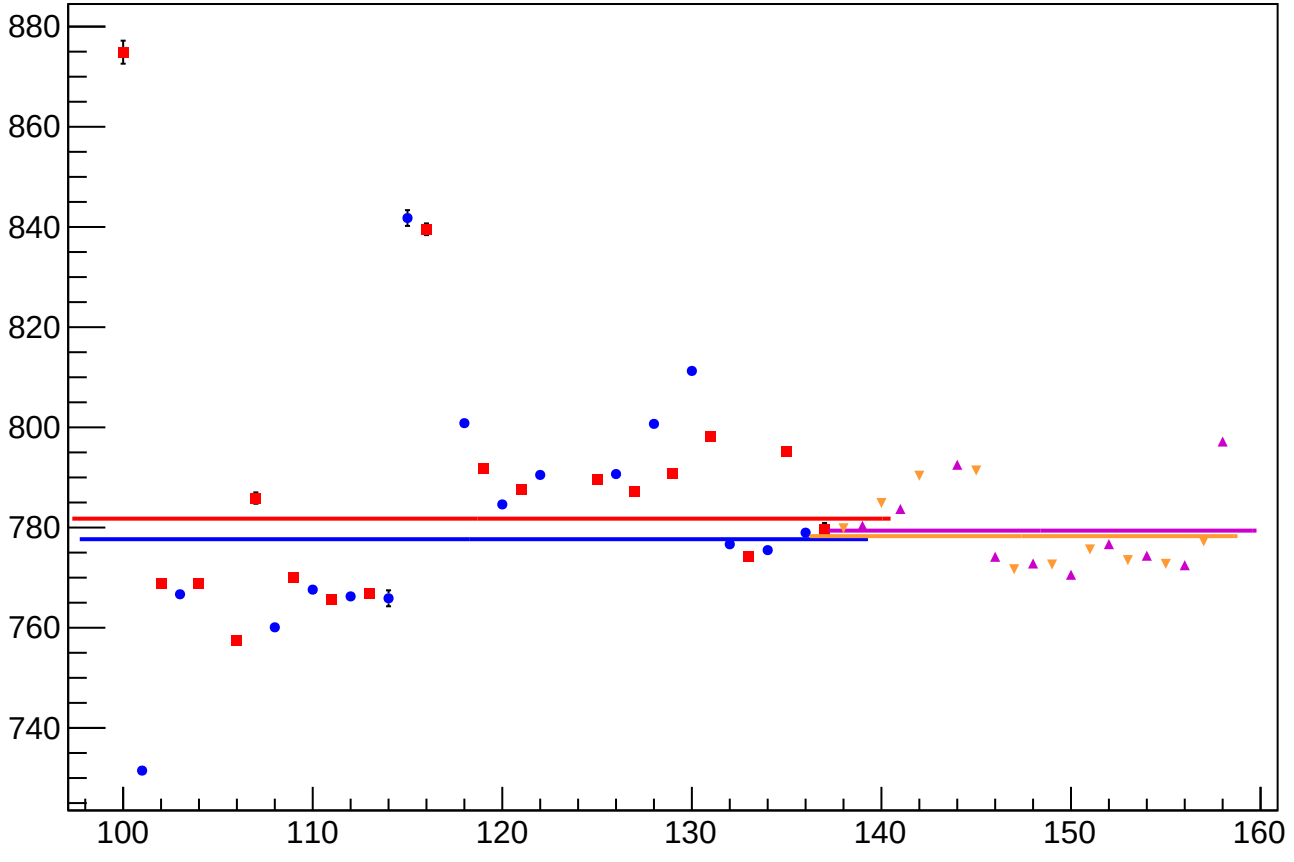
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -435.493+/-194.849 χ^2/NDF:19.9/25

Out: -173.717+/-199.794 χ^2/NDF:18.3/27

All: -307.884+/-139.495 χ^2/NDF: 39.1/53

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.283+/-0.196 χ^2/NDF:1159.5/9

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

Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

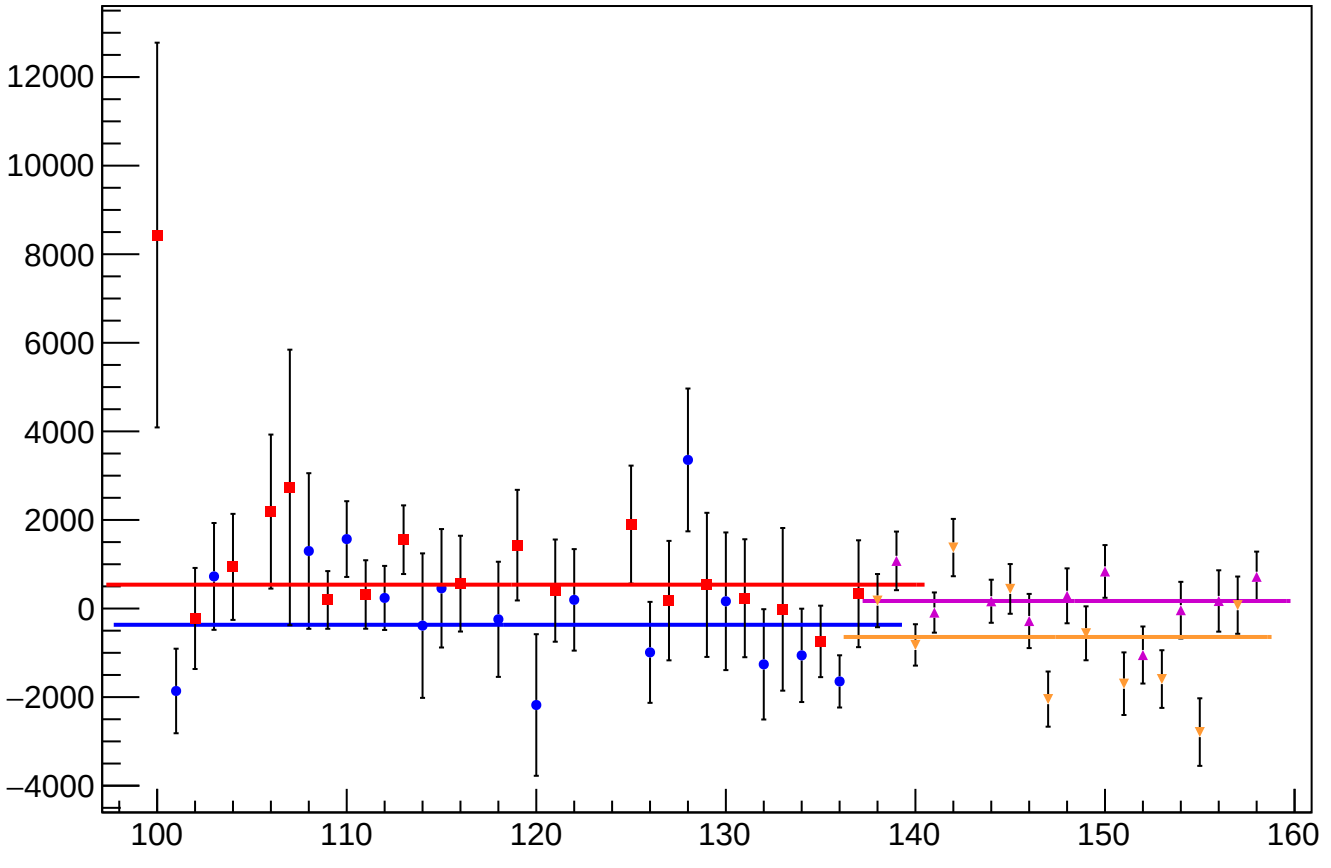
Left: 778.863+/-0.135 χ^2/NDF: 3271.2/19

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

In: 778.609+/-0.138 χ^2/NDF:14188.8/25

Out: 779.964+/-0.141 χ^2/NDF:8938.4/27

All: 779.269+/-0.099 χ^2/NDF: 23174.4/53



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

Left Out: -642.163+/-193.669 χ^2/NDF:34.1/9

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

Left In: 170.294+/-184.124 χ^2/NDF:8.7/9

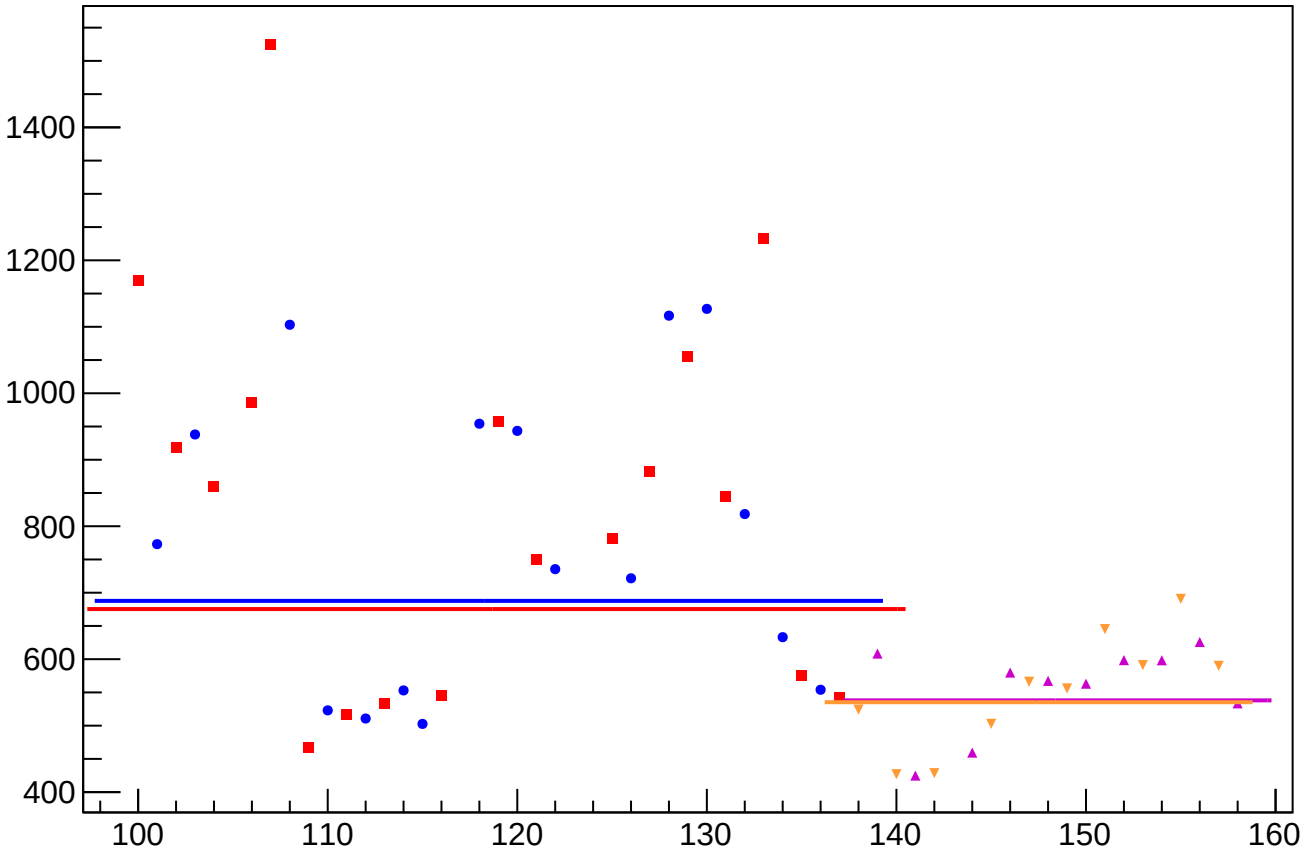
Left: -215.422+/-133.442 χ^2/NDF: 52.0/19

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

In: -3.138+/-151.522 χ^2/NDF:34.7/25

Out: -226.715+/-155.929 χ^2/NDF:58.8/27

All: -111.722+/-108.667 χ^2/NDF: 94.6/53



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

Left Out: 535.283+/-0.137 χ^2/NDF:336974.1/9

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

Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

Left: 536.743+/-0.094 χ^2/NDF: 621417.7/19

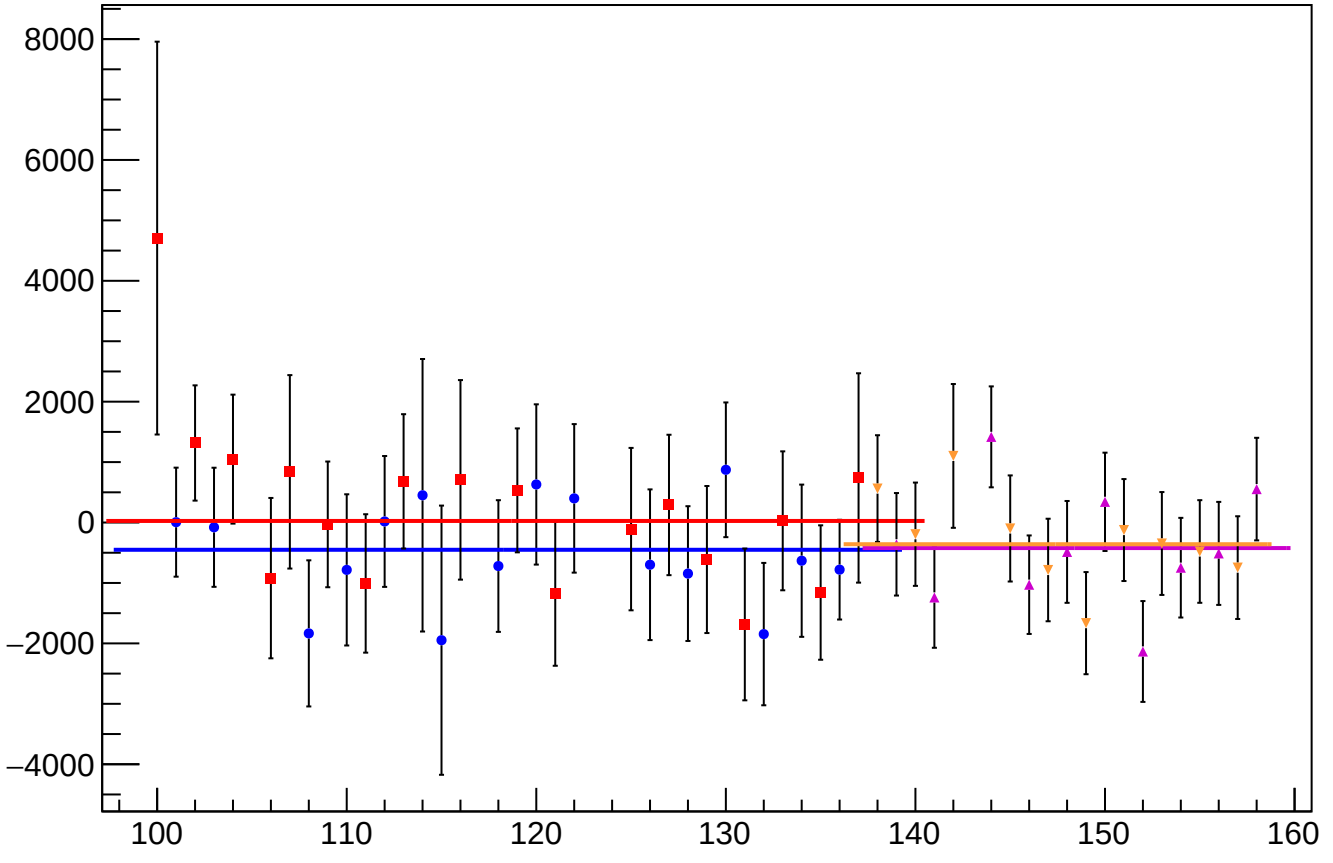
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 586.369+/-0.107 χ^2/NDF:1742604.8/25

Out: 584.574+/-0.110 χ^2/NDF:2018280.9/27

All: 585.497+/-0.077 χ^2/NDF: 3761022.1/53

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -358.900+/-277.330 χ^2/NDF:5.7/9

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

Left In: -422.600+/-263.872 χ^2/NDF:13.0/9

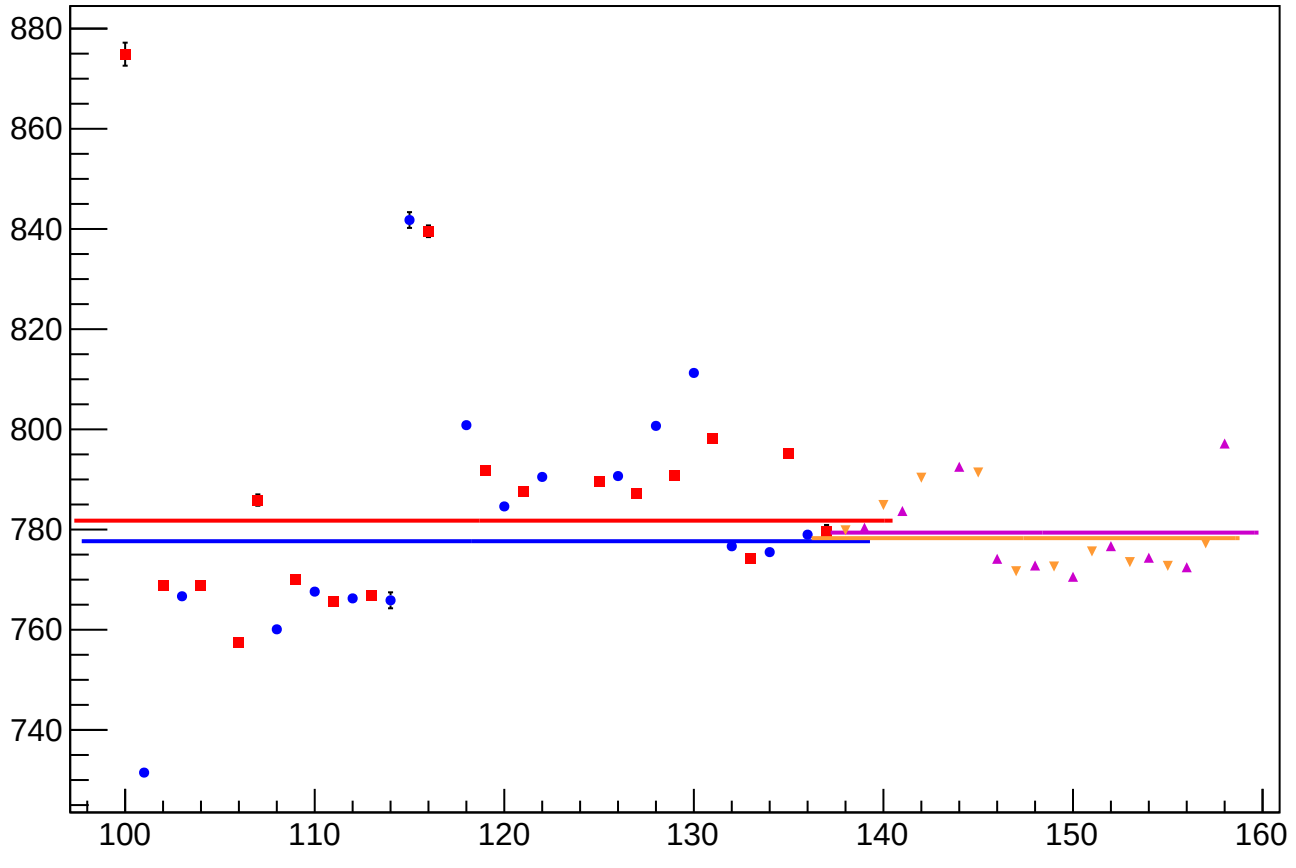
Left: -392.333+/-191.166 χ^2/NDF: 18.7/19

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

In: -435.493+/-194.849 χ^2/NDF:19.9/25

Out: -173.717+/-199.794 χ^2/NDF:18.3/27

All: -307.884+/-139.495 χ^2/NDF: 39.1/53



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

Left Out: 778.283+/-0.196 χ^2/NDF:1159.5/9

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

Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

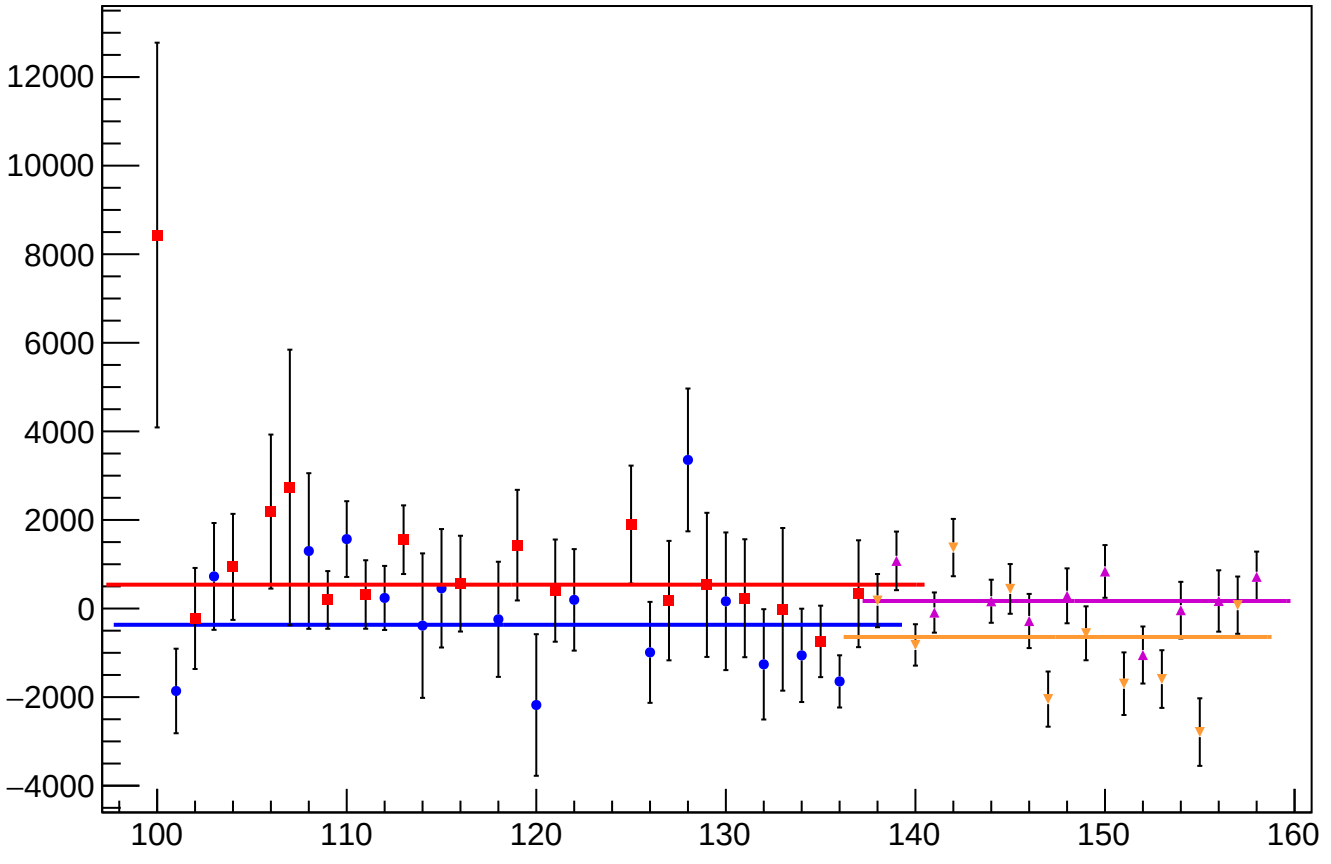
Left: 778.863+/-0.135 χ^2/NDF: 3271.2/19

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

In: 778.609+/-0.138 χ^2/NDF:14188.8/25

Out: 779.964+/-0.141 χ^2/NDF:8938.4/27

All: 779.269+/-0.099 χ^2/NDF: 23174.4/53



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

Left Out: -642.163+/-193.669 χ^2/NDF:34.1/9

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

Left In: 170.294+/-184.124 χ^2/NDF:8.7/9

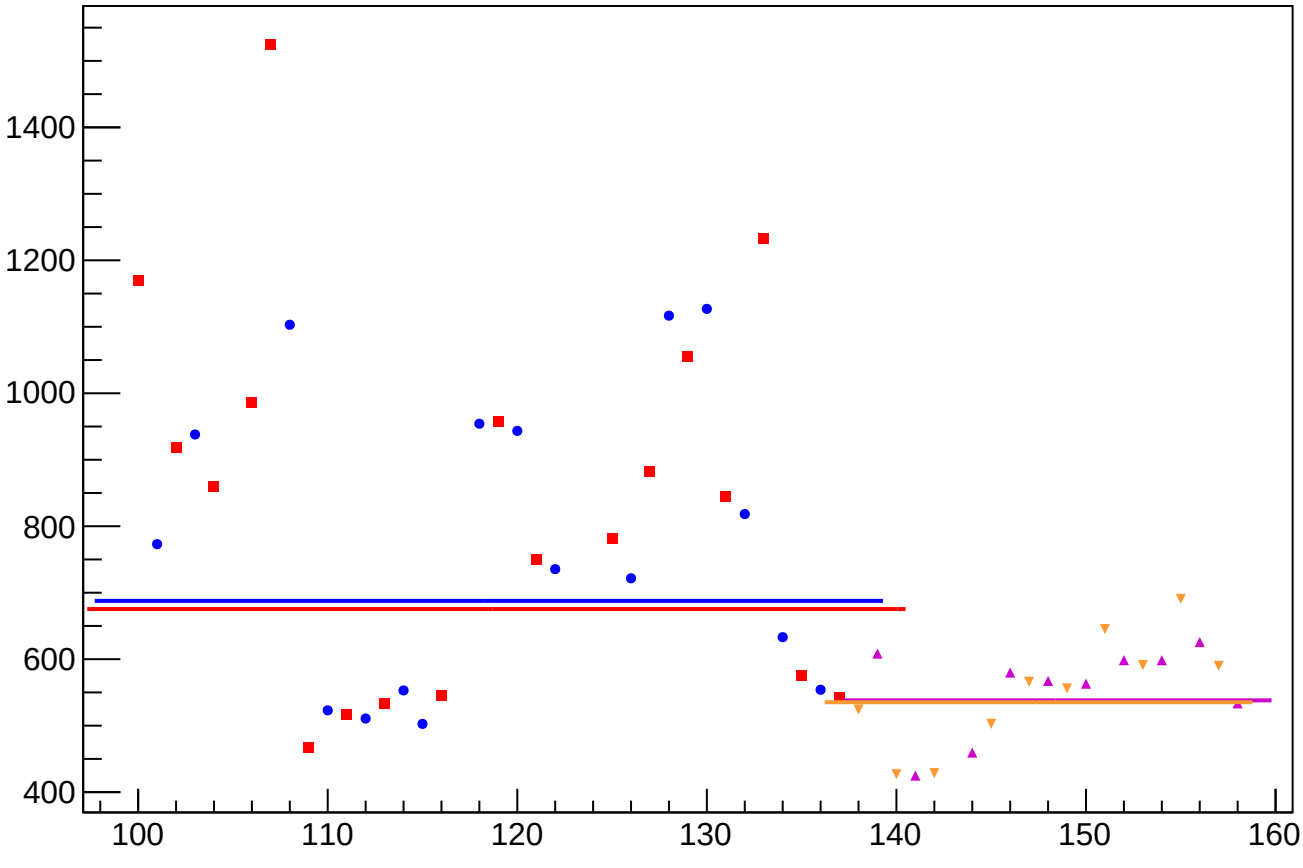
Left: -215.422+/-133.442 χ^2/NDF: 52.0/19

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

In: -3.138+/-151.522 χ^2/NDF:34.7/25

Out: -226.715+/-155.929 χ^2/NDF:58.8/27

All: -111.722+/-108.667 χ^2/NDF: 94.6/53



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

Left Out: 535.283+/-0.137 χ^2/NDF:336974.1/9

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

Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

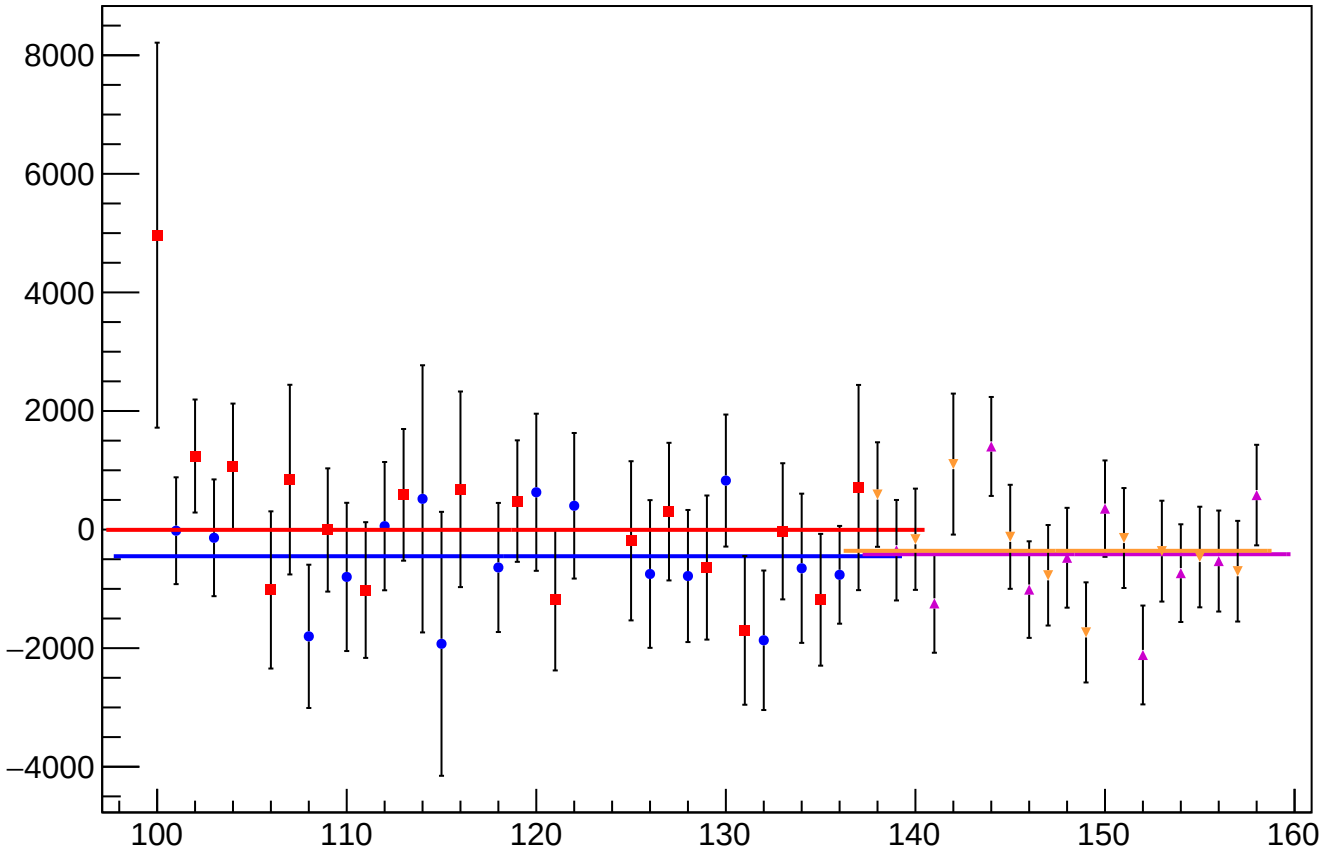
Left: 536.743+/-0.094 χ^2/NDF: 621417.7/19

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

In: 586.369+/-0.107 χ^2/NDF:1742604.8/25

Out: 584.574+/-0.110 χ^2/NDF:2018280.9/27

All: 585.497+/-0.077 χ^2/NDF: 3761022.1/53



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

Left Out: -358.241+/-277.086 χ^2/NDF:5.9/9

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

Left In: -415.620+/-263.662 χ^2/NDF:12.9/9

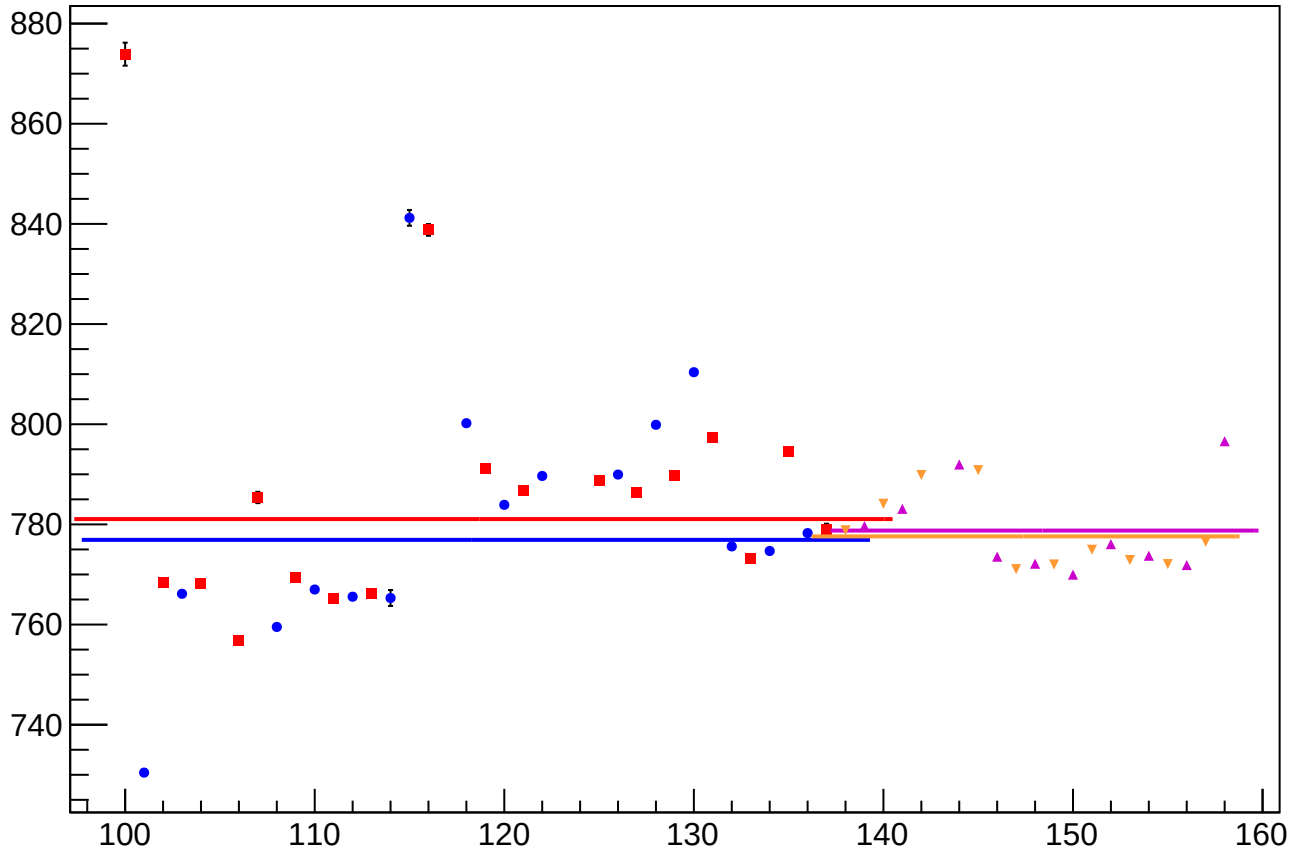
Left: -388.354+/-191.006 χ^2/NDF: 18.8/19

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

In: -430.998+/-194.678 χ^2/NDF:19.7/25

Out: -188.156+/-199.615 χ^2/NDF:18.6/27

All: -312.617+/-139.371 χ^2/NDF: 39.0/53



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

Left Out: 777.599+/-0.196 χ^2/NDF:1164.8/9

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

Left In: 778.767+/-0.186 χ^2/NDF:2107.4/9

Left: 778.212+/-0.135 χ^2/NDF: 3290.8/19

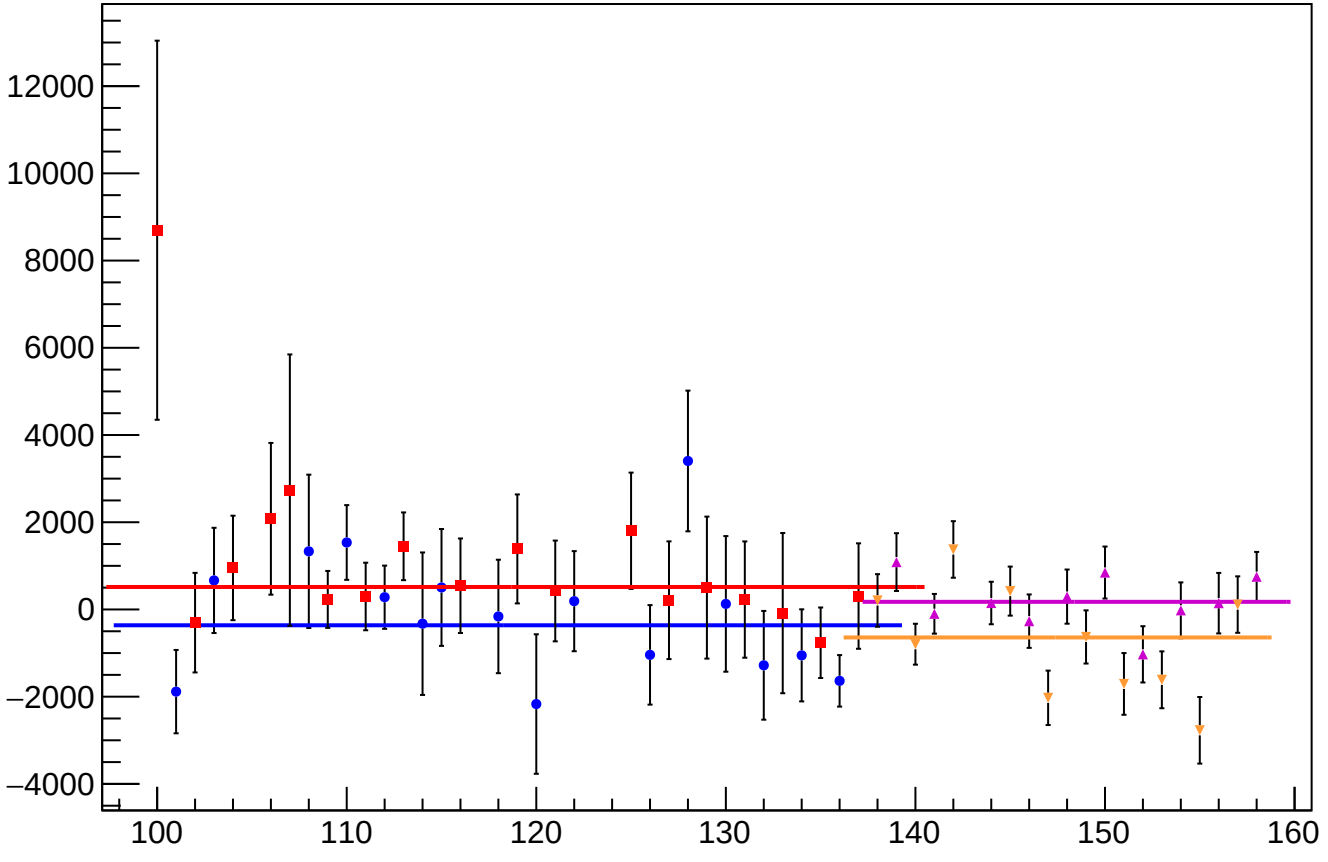
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.924+/-0.138 χ^2/NDF:14276.0/25

Out: 779.264+/-0.141 χ^2/NDF:8900.7/27

All: 778.577+/-0.099 χ^2/NDF: 23222.9/53

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: -641.880+/-194.061 χ^2/NDF:33.9/9

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

Left In: 174.827+/-184.447 χ^2/NDF:8.7/9

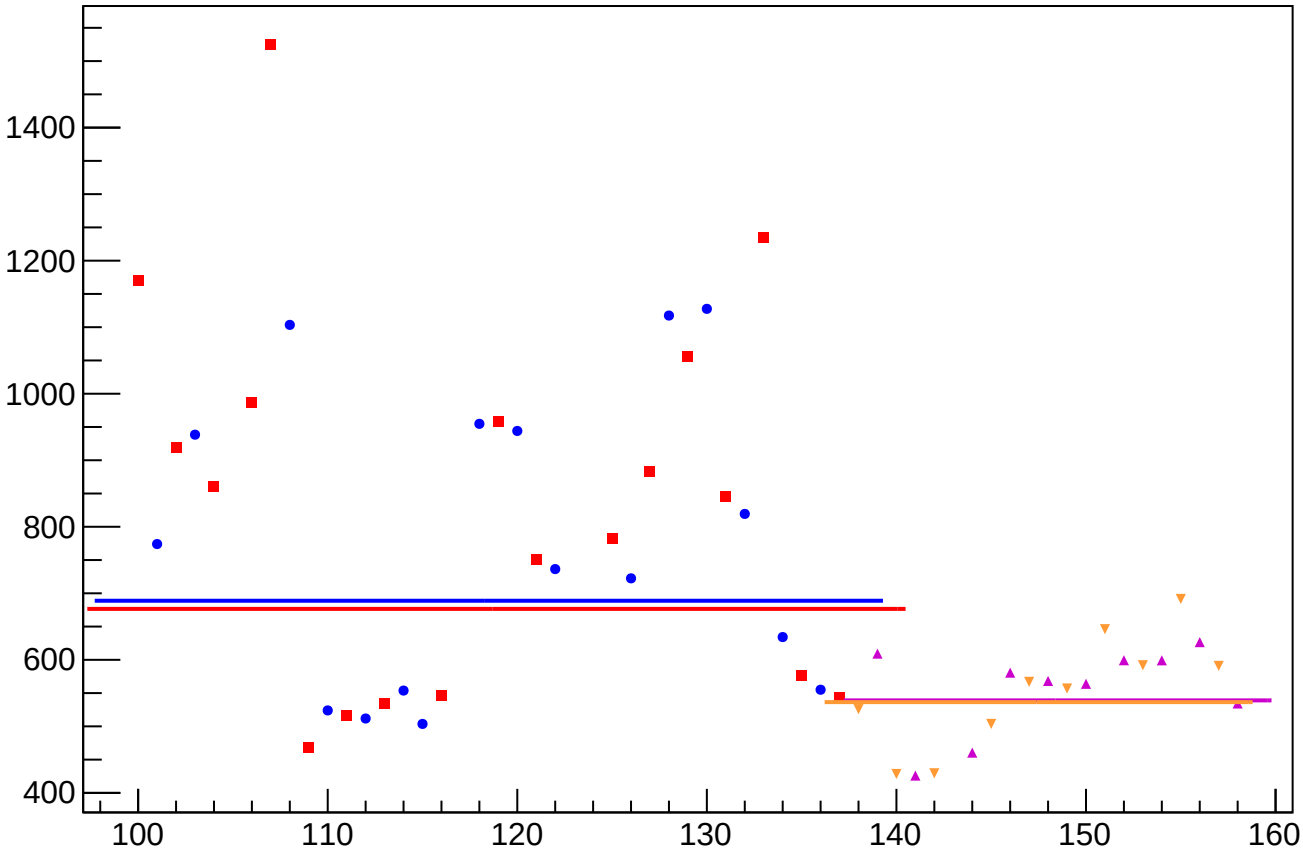
Left: -212.795+/-133.693 χ^2/NDF: 51.9/19

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

In: 1.217+/-151.773 χ^2/NDF:34.8/25

Out: -234.553+/-156.216 χ^2/NDF:57.8/27

All: -113.267+/-108.857 χ^2/NDF: 93.8/53



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

Left Out: 536.437+/-0.137 χ^2/NDF:334102.2/9

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

Left In: 539.045+/-0.130 χ^2/NDF:282245.1/9

Left: 537.807+/-0.095 χ^2/NDF: 616537.0/19

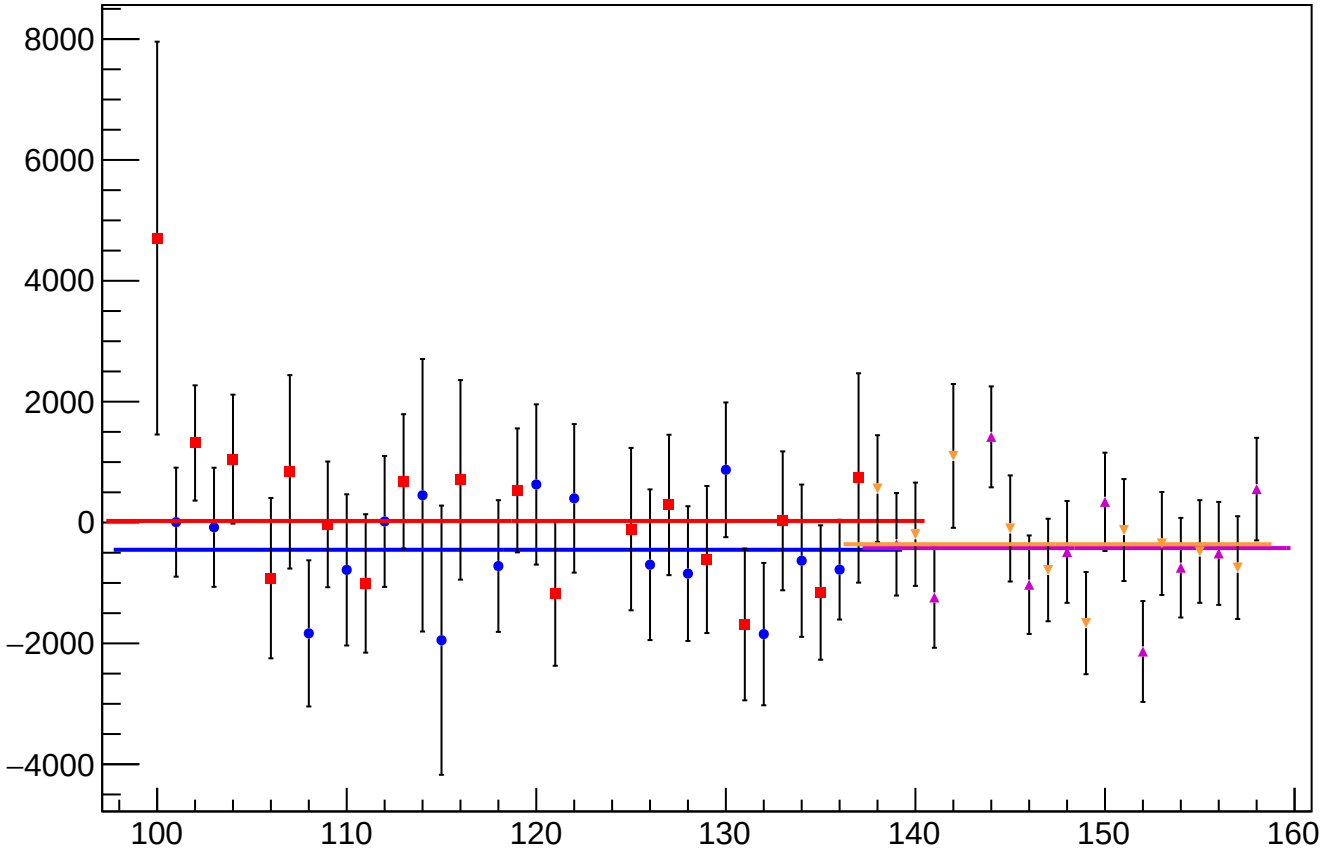
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 587.412+/-0.107 χ^2/NDF:1736257.6/25

Out: 585.765+/-0.110 χ^2/NDF:2009243.2/27

All: 586.612+/-0.077 χ^2/NDF: 3745615.1/53

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -358.900+/-277.330 χ^2/NDF:5.7/9

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

Left In: -422.600+/-263.872 χ^2/NDF:13.0/9

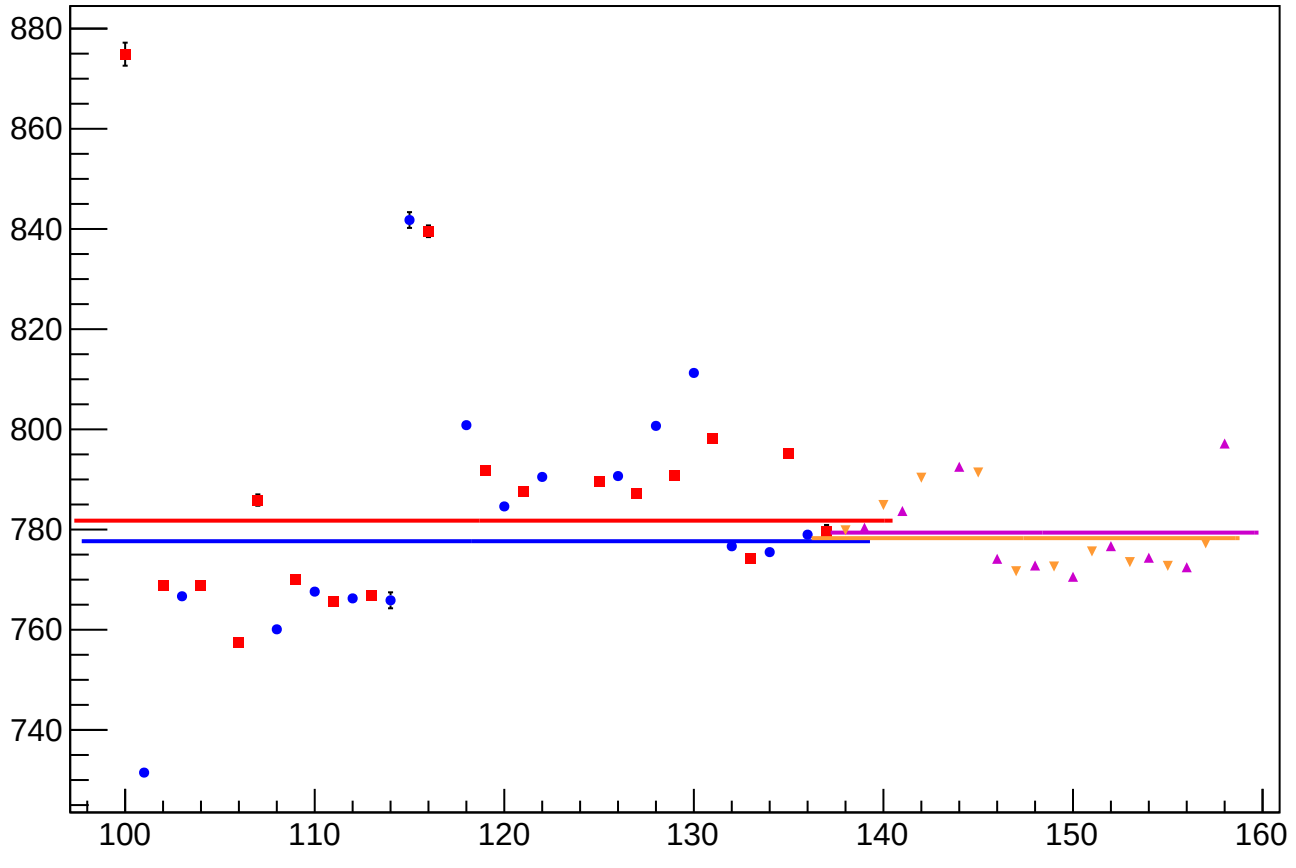
Left: -392.333+/-191.166 χ^2/NDF: 18.7/19

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

In: -435.493+/-194.849 χ^2/NDF:19.9/25

Out: -173.717+/-199.794 χ^2/NDF:18.3/27

All: -307.884+/-139.495 χ^2/NDF: 39.1/53



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

Left Out: 778.283+/-0.196 χ^2/NDF:1159.5/9

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

Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

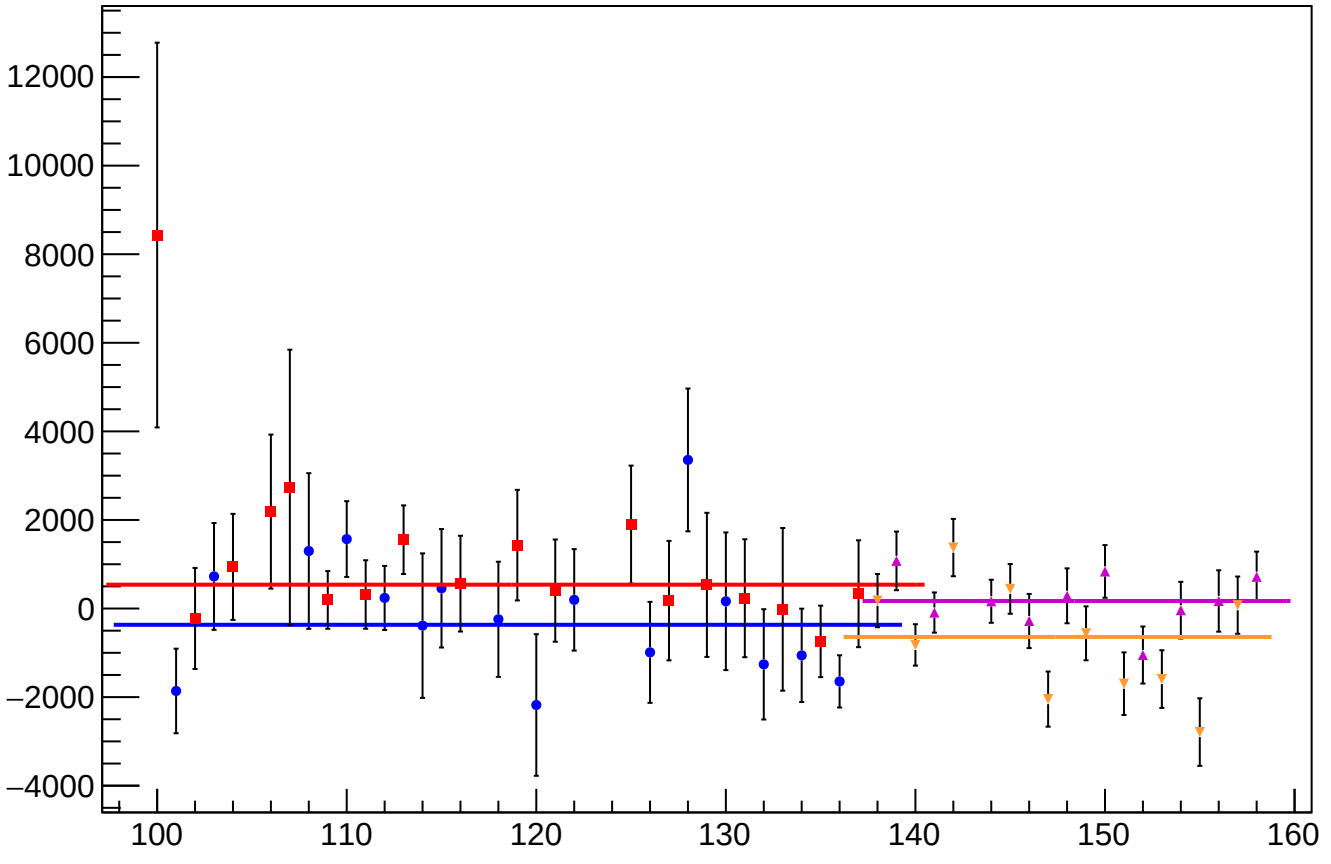
Left: 778.863+/-0.135 χ^2/NDF: 3271.2/19

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

In: 778.609+/-0.138 χ^2/NDF:14188.8/25

Out: 779.964+/-0.141 χ^2/NDF:8938.4/27

All: 779.269+/-0.099 χ^2/NDF: 23174.4/53



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

Left Out: -642.163+/-193.669 χ^2/NDF:34.1/9

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

Left In: 170.294+/-184.124 χ^2/NDF:8.7/9

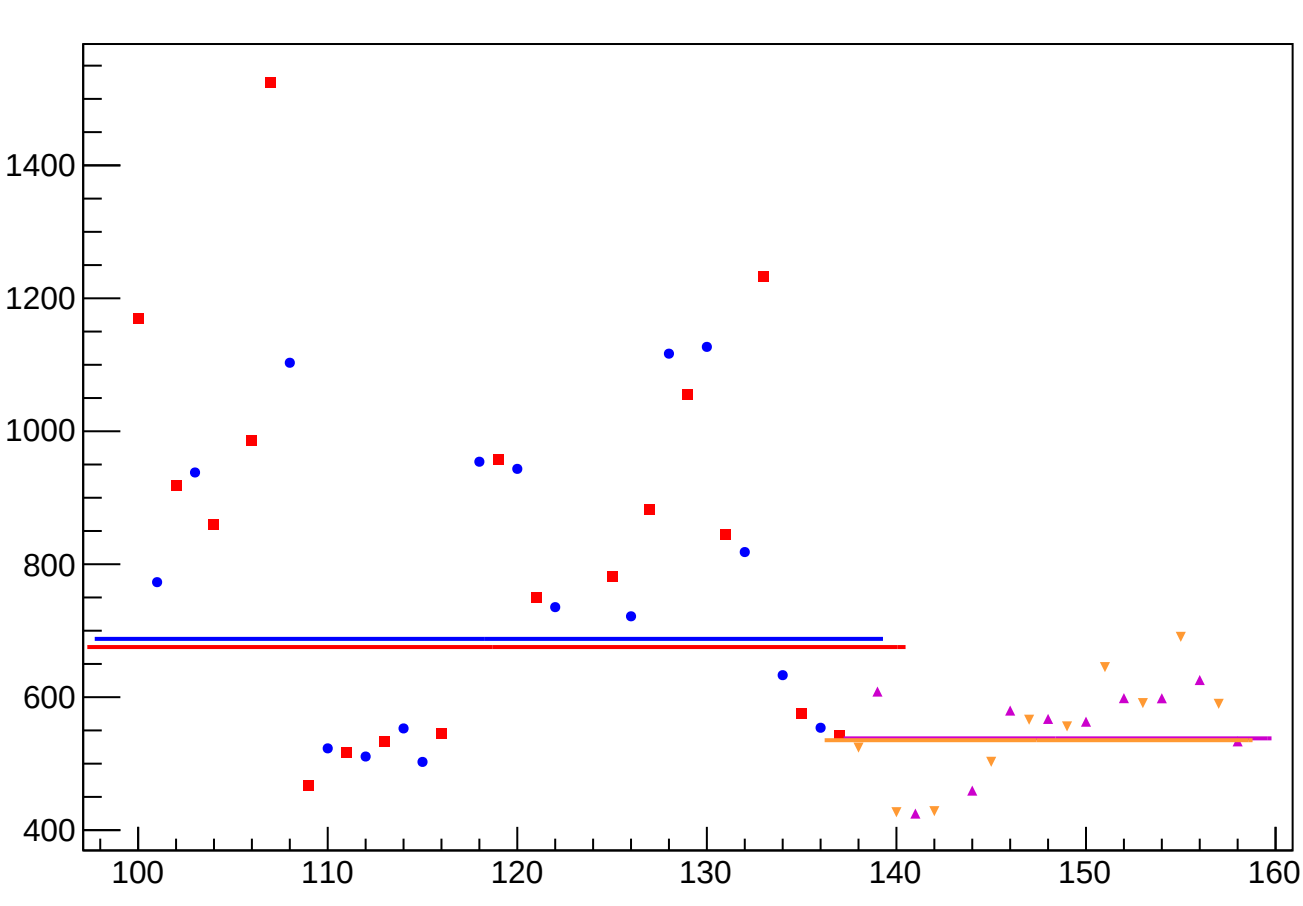
Left: -215.422+/-133.442 χ^2/NDF: 52.0/19

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

In: -3.138+/-151.522 χ^2/NDF:34.7/25

Out: -226.715+/-155.929 χ^2/NDF:58.8/27

All: -111.722+/-108.667 χ^2/NDF: 94.6/53



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

Left Out: 535.283+/-0.137 χ^2/NDF:336974.1/9

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

Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

Left: 536.743+/-0.094 χ^2/NDF: 621417.7/19

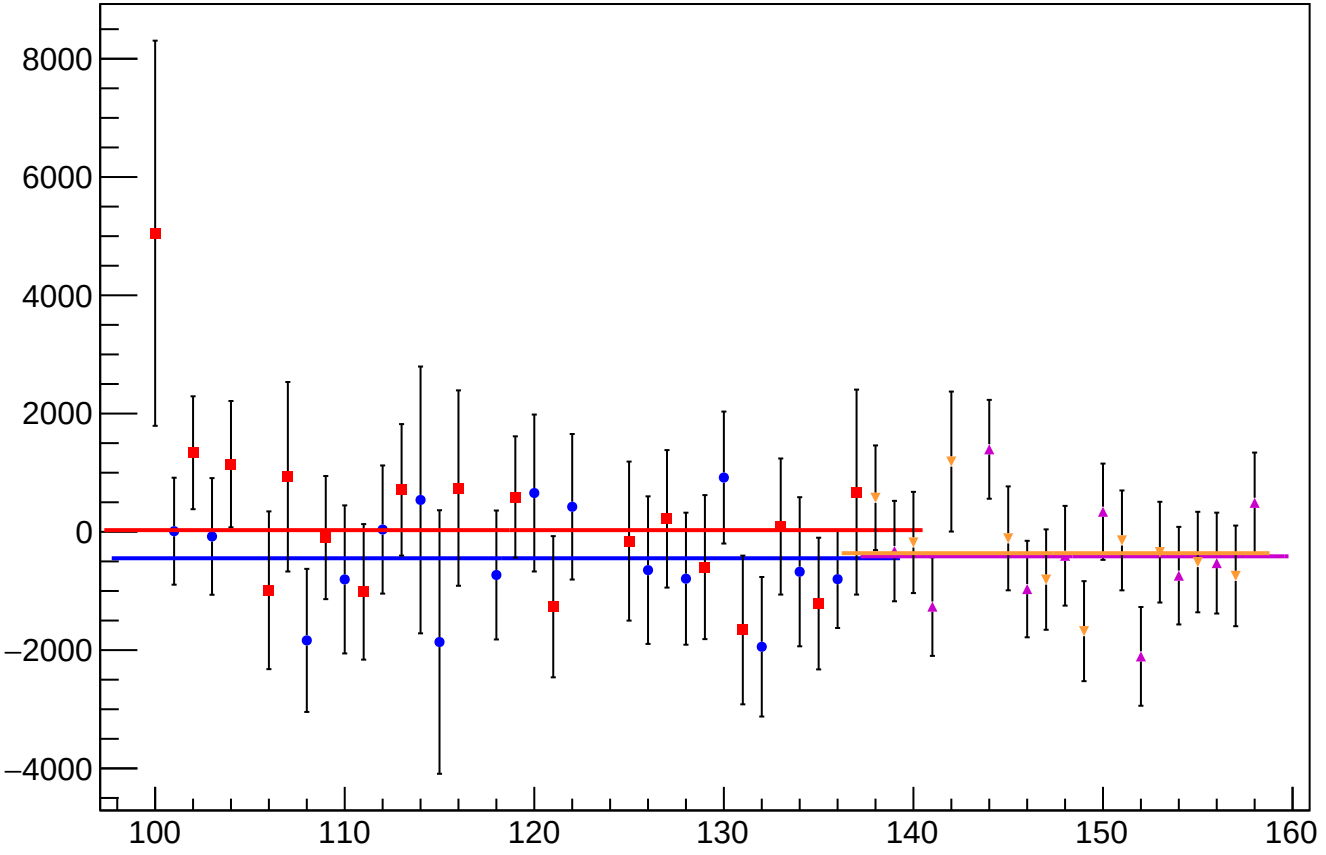
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 586.369+/-0.107 χ^2/NDF:1742604.8/25

Out: 584.574+/-0.110 χ^2/NDF:2018280.9/27

All: 585.497+/-0.077 χ^2/NDF: 3761022.1/53

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -360.795+/-277.524 χ^2/NDF:6.0/9

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

Left In: -413.920+/-264.071 χ^2/NDF:12.5/9

Left: -388.676+/-191.306 χ^2/NDF: 18.5/19

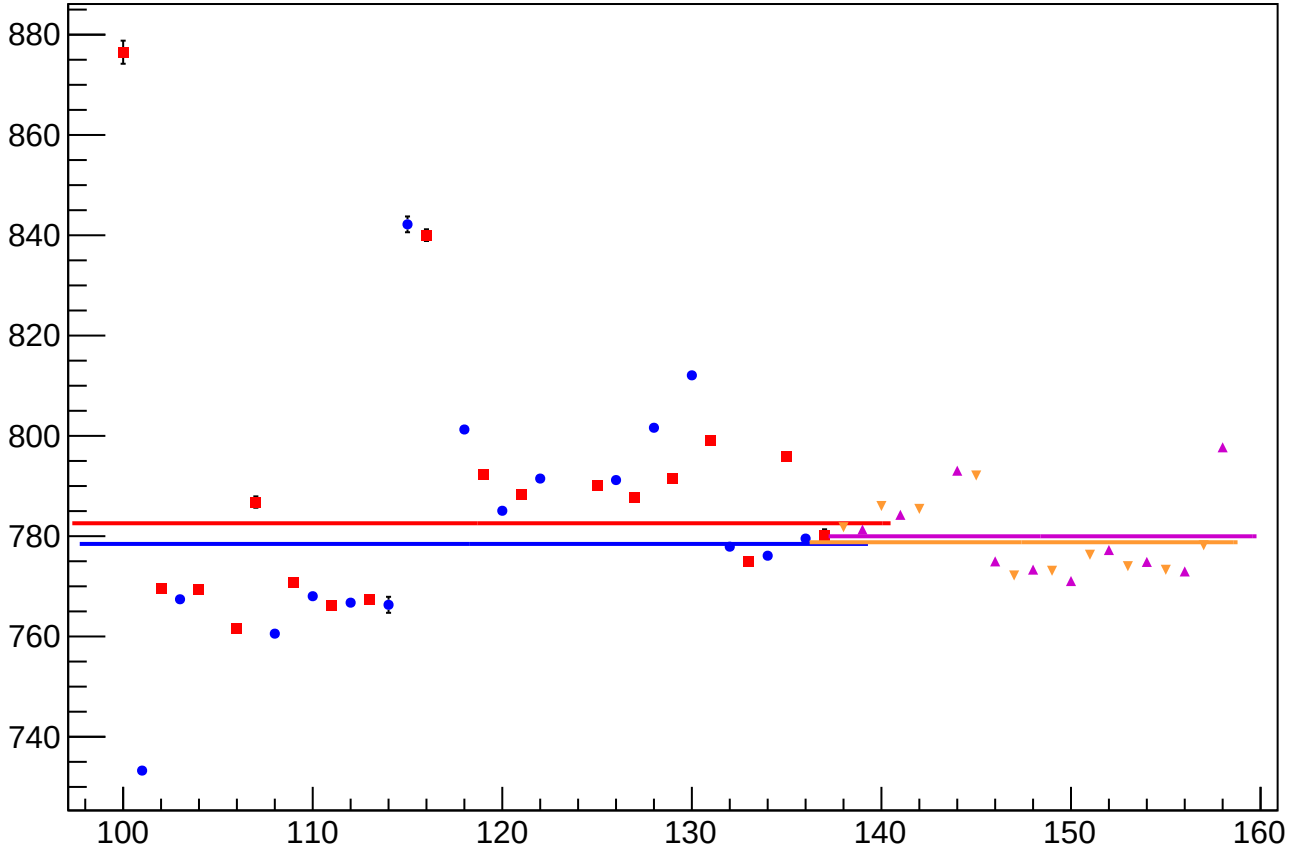
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -428.803+/-195.018 χ^2/NDF:19.8/25

Out: -173.469+/-199.964 χ^2/NDF:19.5/27

All: -304.333+/-139.615 χ^2/NDF: 40.2/53

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.788+/-0.196 χ^2/NDF:1064.6/9

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

Left In: 779.978+/-0.187 χ^2/NDF:2093.7/9

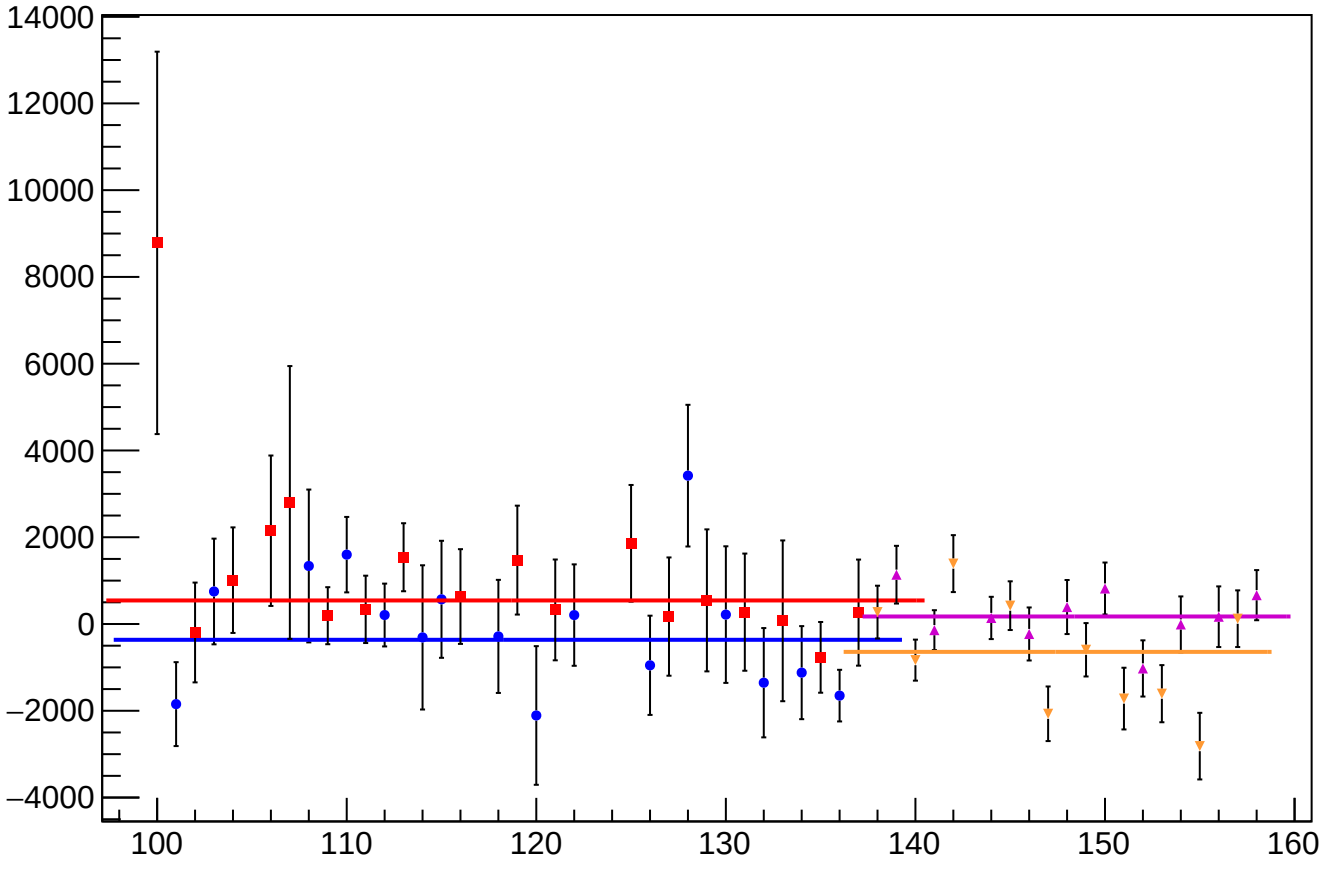
Left: 779.412+/-0.135 χ^2/NDF: 3177.6/19

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

In: 779.286+/-0.138 χ^2/NDF:13919.1/25

Out: 780.609+/-0.141 χ^2/NDF:8725.1/27

All: 779.931+/-0.099 χ^2/NDF: 22689.1/53



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

Left Out: -642.164+/-195.510 χ^2/NDF:34.6/9

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

Left In: 173.361+/-185.407 χ^2/NDF:8.5/9

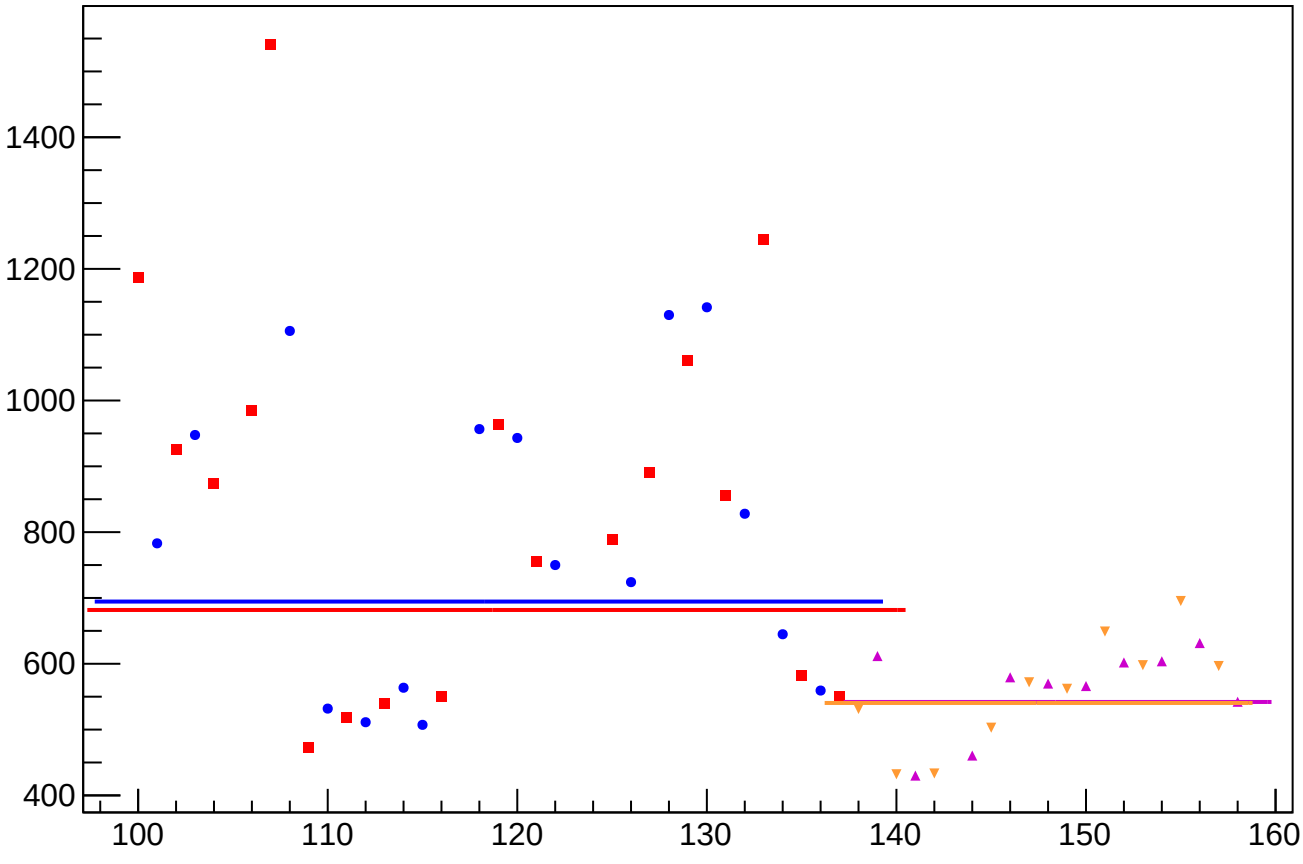
Left: -212.787+/-134.533 χ^2/NDF: 52.3/19

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

In: 0.580+/-152.717 χ^2/NDF:34.5/25

Out: -225.039+/-157.384 χ^2/NDF:59.3/27

All: -108.834+/-109.600 χ^2/NDF: 94.9/53



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

Left Out: 540.455+/-0.138 χ^2/NDF:333184.7/9

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

Left In: 541.973+/-0.131 χ^2/NDF:279674.6/9

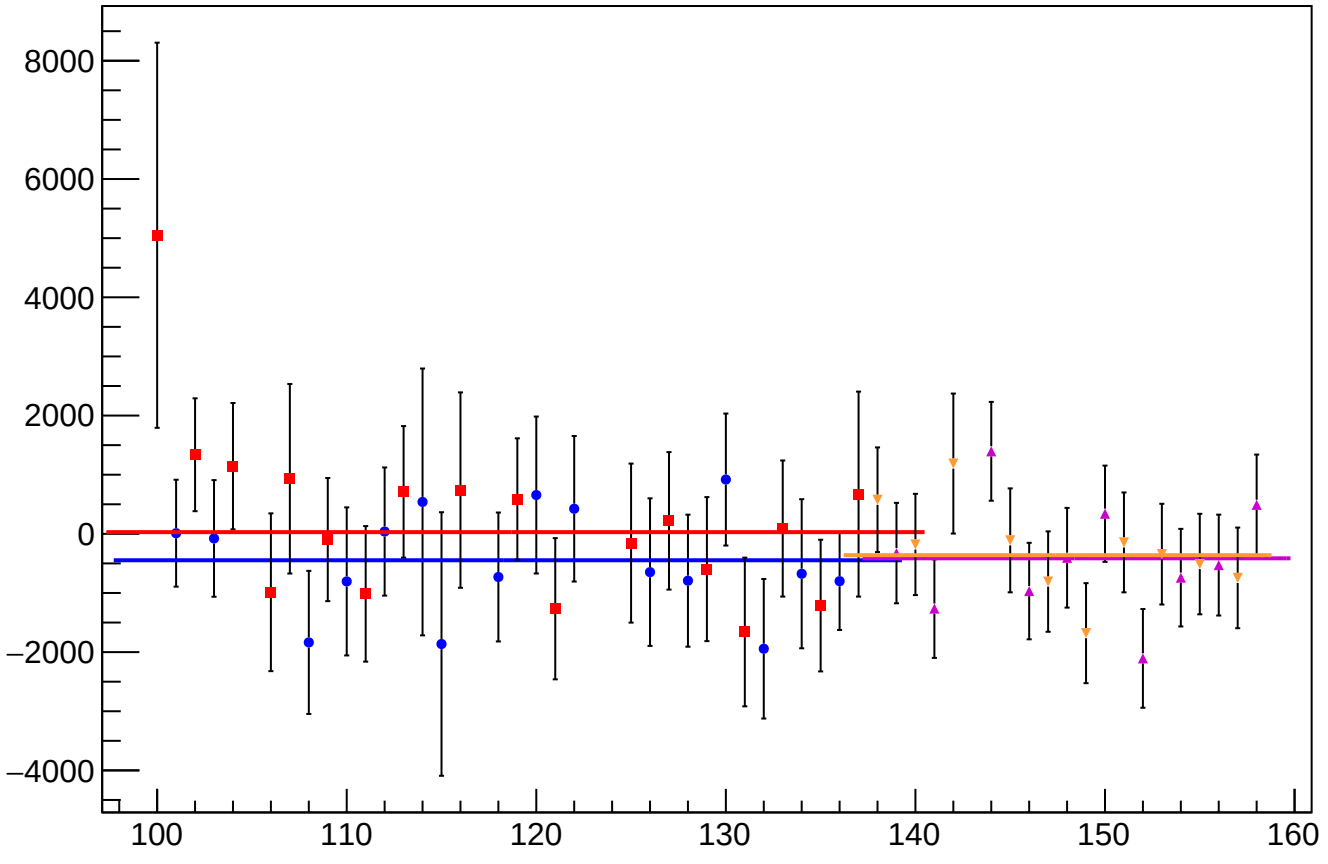
Left: 541.254+/-0.095 χ^2/NDF: 612922.7/19

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

In: 591.025+/-0.108 χ^2/NDF:1744915.9/25

Out: 590.188+/-0.111 χ^2/NDF:2012158.5/27

All: 590.619+/-0.077 χ^2/NDF: 3757103.6/53



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

Left Out: -360.797+/-277.524 χ^2/NDF:6.0/9

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

Left In: -413.919+/-264.071 χ^2/NDF:12.5/9

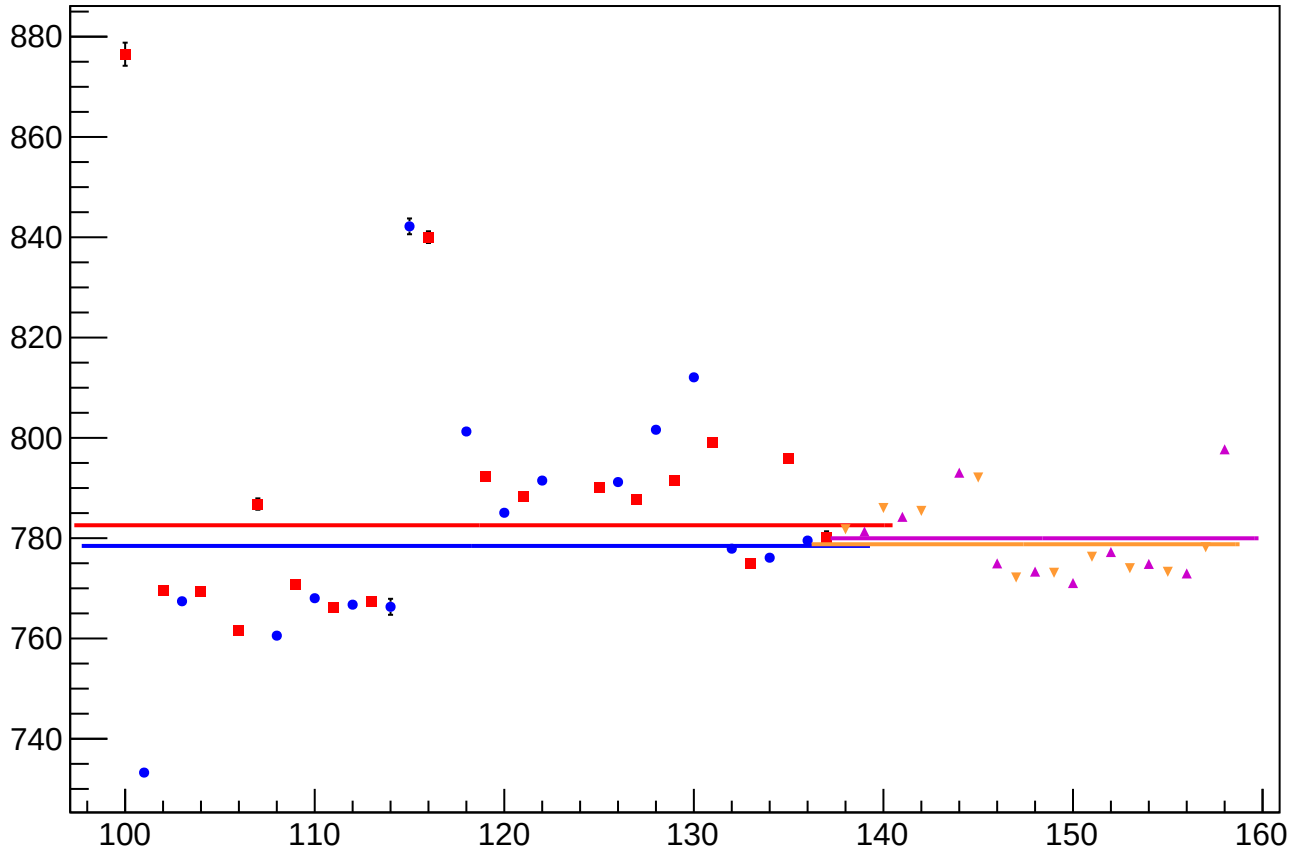
Left: -388.677+/-191.306 χ^2/NDF: 18.5/19

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

In: -428.803+/-195.018 χ^2/NDF:19.8/25

Out: -173.471+/-199.964 χ^2/NDF:19.5/27

All: -304.334+/-139.615 χ^2/NDF: 40.2/53



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

Left Out: 778.788+/-0.196 χ^2/NDF:1064.6/9

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

Left In: 779.978+/-0.187 χ^2/NDF:2093.7/9

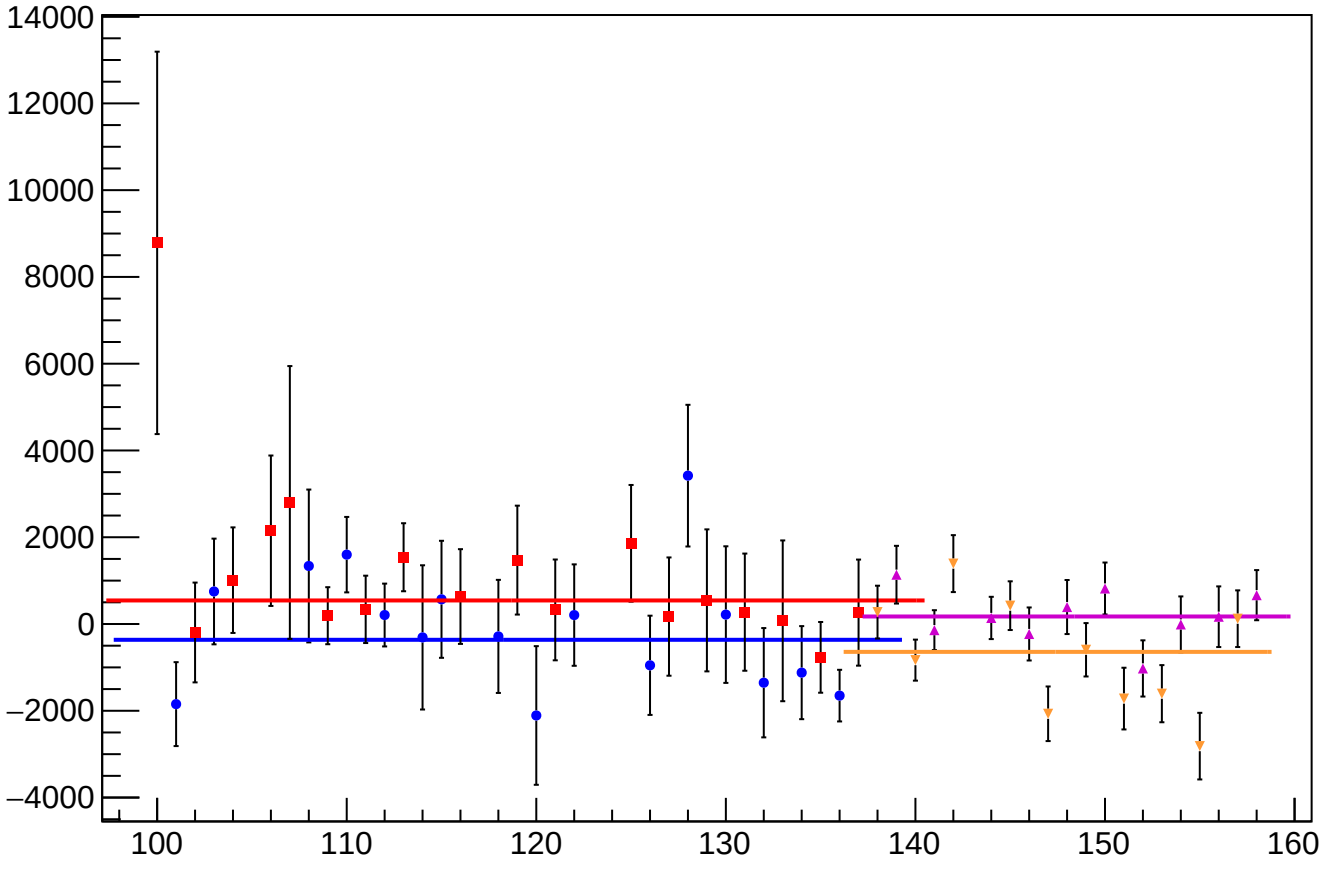
Left: 779.412+/-0.135 χ^2/NDF: 3177.6/19

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

In: 779.286+/-0.138 χ^2/NDF:13919.1/25

Out: 780.609+/-0.141 χ^2/NDF:8725.0/27

All: 779.931+/-0.099 χ^2/NDF: 22689.0/53



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

Left Out: -642.164+/-195.510 χ^2/NDF:34.6/9

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

Left In: 173.361+/-185.408 χ^2/NDF:8.5/9

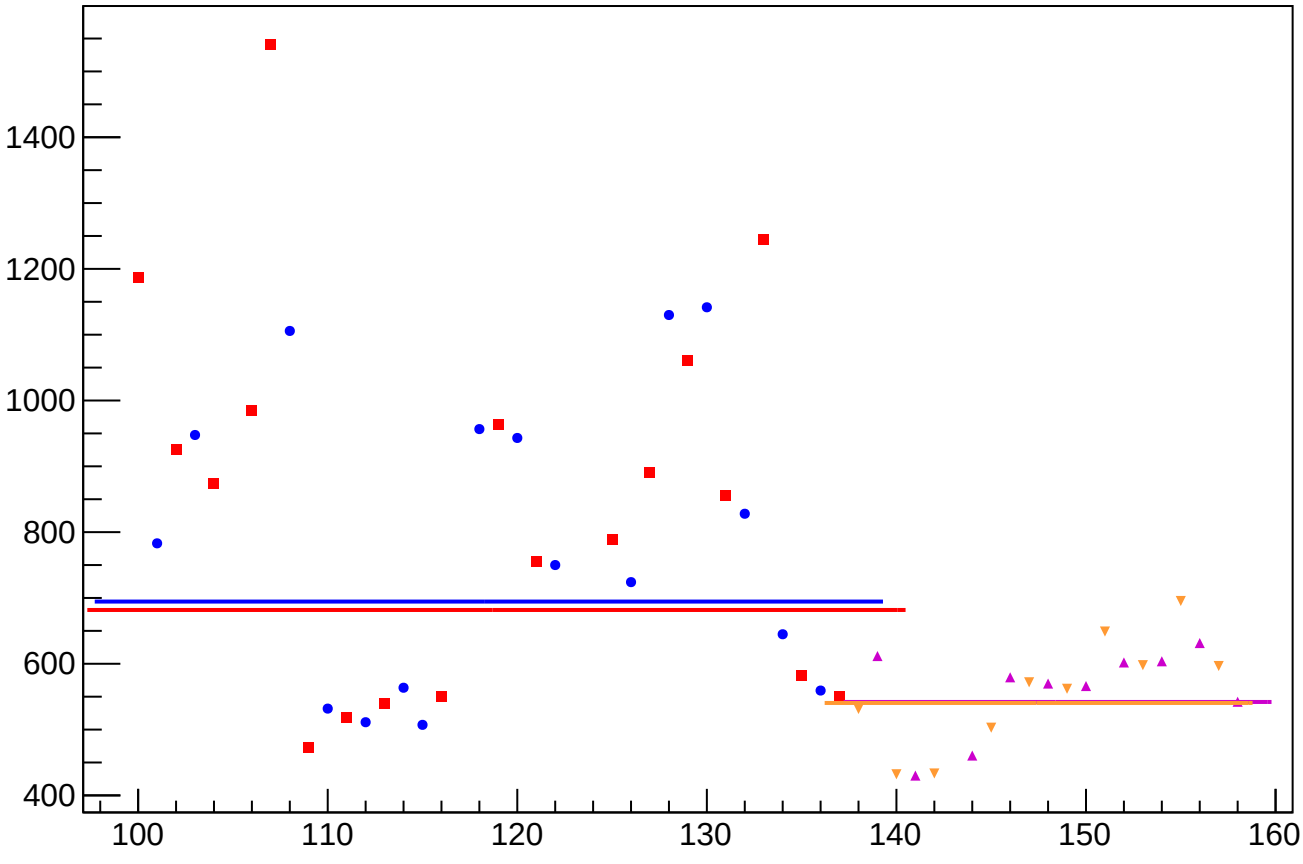
Left: -212.787+/-134.533 χ^2/NDF: 52.3/19

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

In: 0.580+/-152.716 χ^2/NDF:34.5/25

Out: -225.036+/-157.384 χ^2/NDF:59.3/27

All: -108.833+/-109.600 χ^2/NDF: 94.9/53



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

Left Out: 540.455+/-0.138 χ^2/NDF:333197.5/9

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

Left In: 541.973+/-0.131 χ^2/NDF:279687.0/9

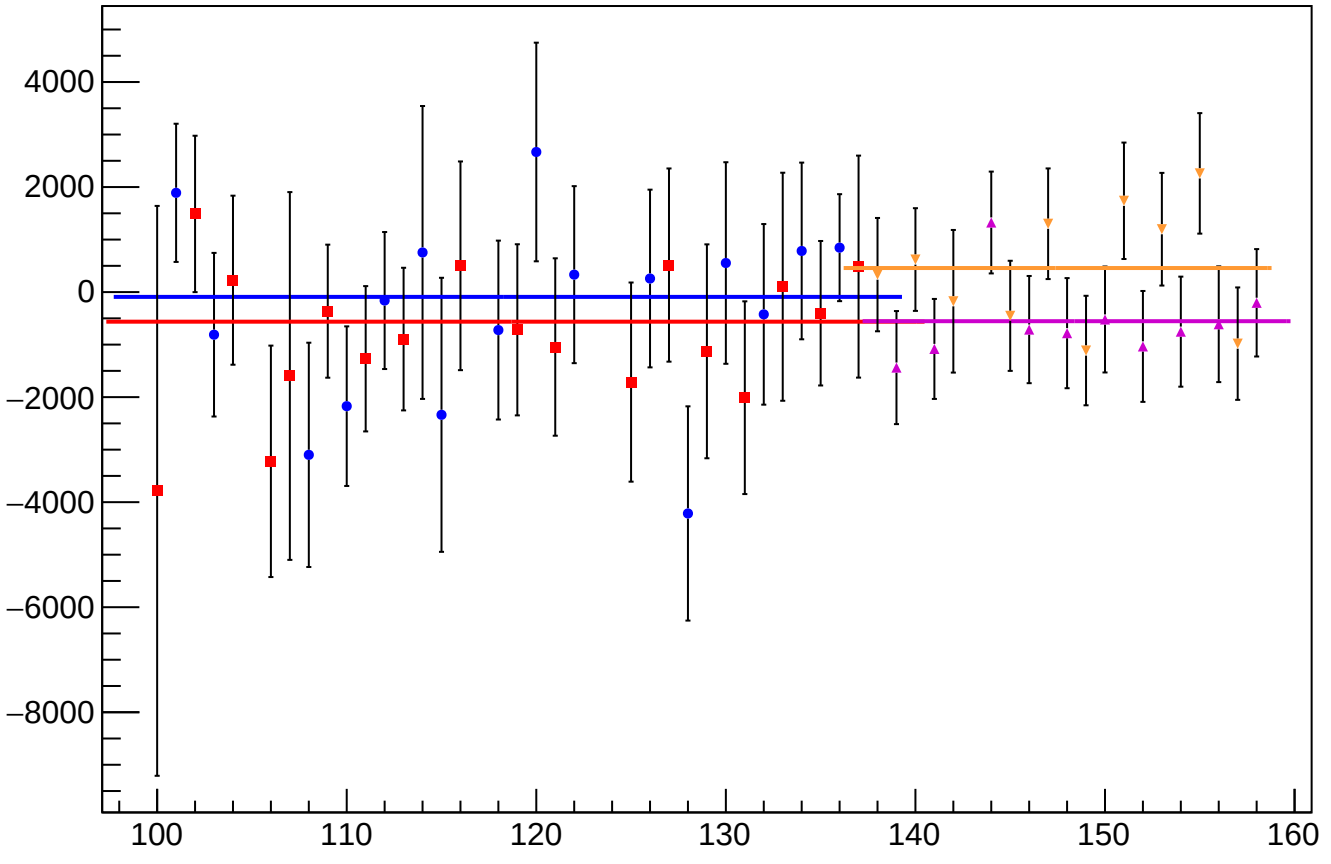
Left: 541.255+/-0.095 χ^2/NDF: 612948.0/19

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

In: 591.025+/-0.108 χ^2/NDF:1744921.5/25

Out: 590.187+/-0.111 χ^2/NDF:2012175.0/27

All: 590.618+/-0.077 χ^2/NDF: 3757125.7/53



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

Left Out: 458.209+/-343.112 χ^2/NDF:10.0/9

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

Left In: -554.008+/-324.951 χ^2/NDF:5.2/9

Left: -75.395+/-235.934 χ^2/NDF: 19.8/19

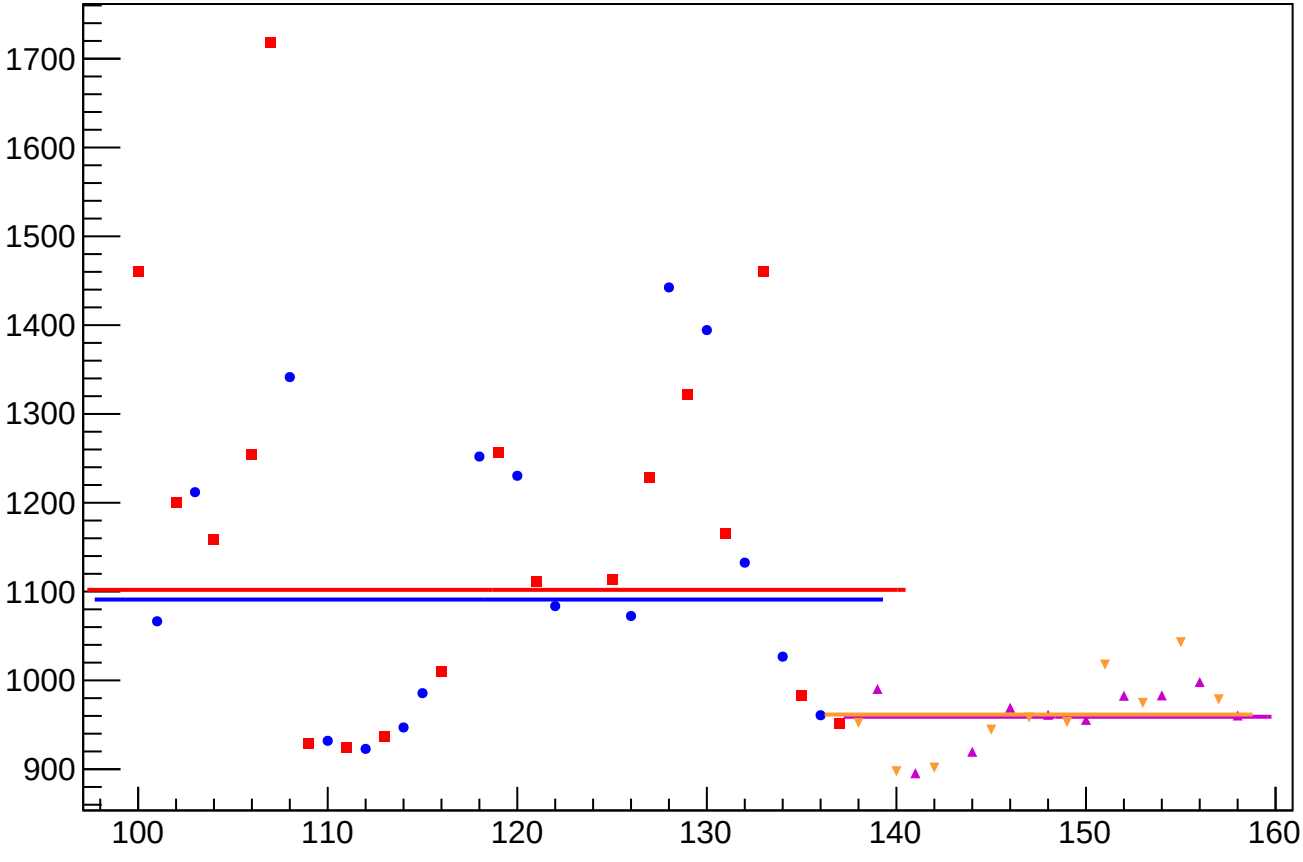
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -375.470+/-254.655 χ^2/NDF:20.5/25

Out: 39.358+/-263.541 χ^2/NDF:20.2/27

All: -175.168+/-183.129 χ^2/NDF: 41.9/53

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 961.565+/-0.243 χ^2/NDF:29277.0/9

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

Left In: 959.066+/-0.230 χ^2/NDF:18722.8/9

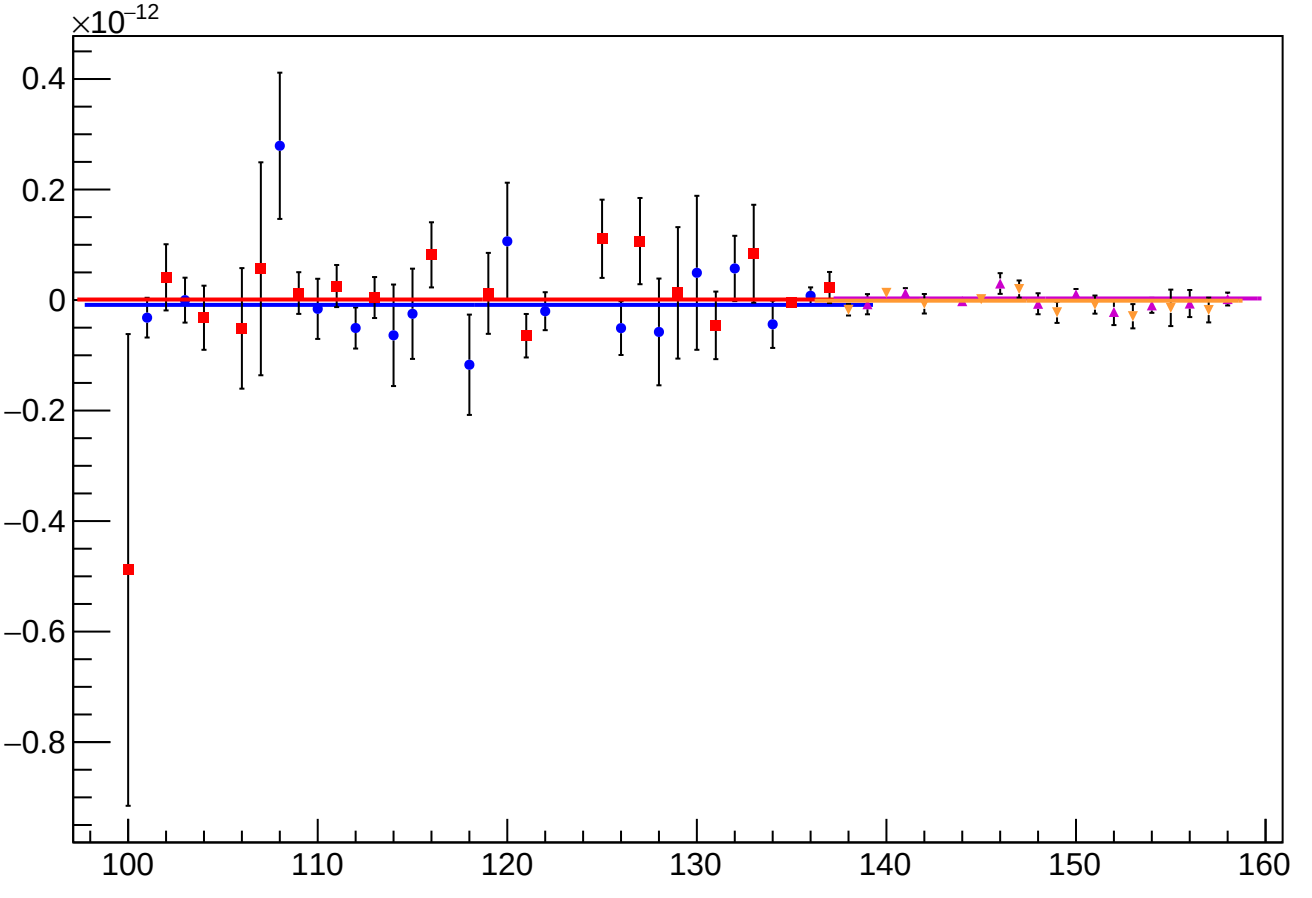
Left: 960.247+/-0.167 χ^2/NDF: 48055.7/19

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

In: 1009.990+/-0.180 χ^2/NDF:423321.0/25

Out: 1019.129+/-0.186 χ^2/NDF:494675.5/27

All: 1014.403+/-0.129 χ^2/NDF: 919240.3/53



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/9

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

Left In: 0.000+/-0.000 χ^2/NDF:6.6/9

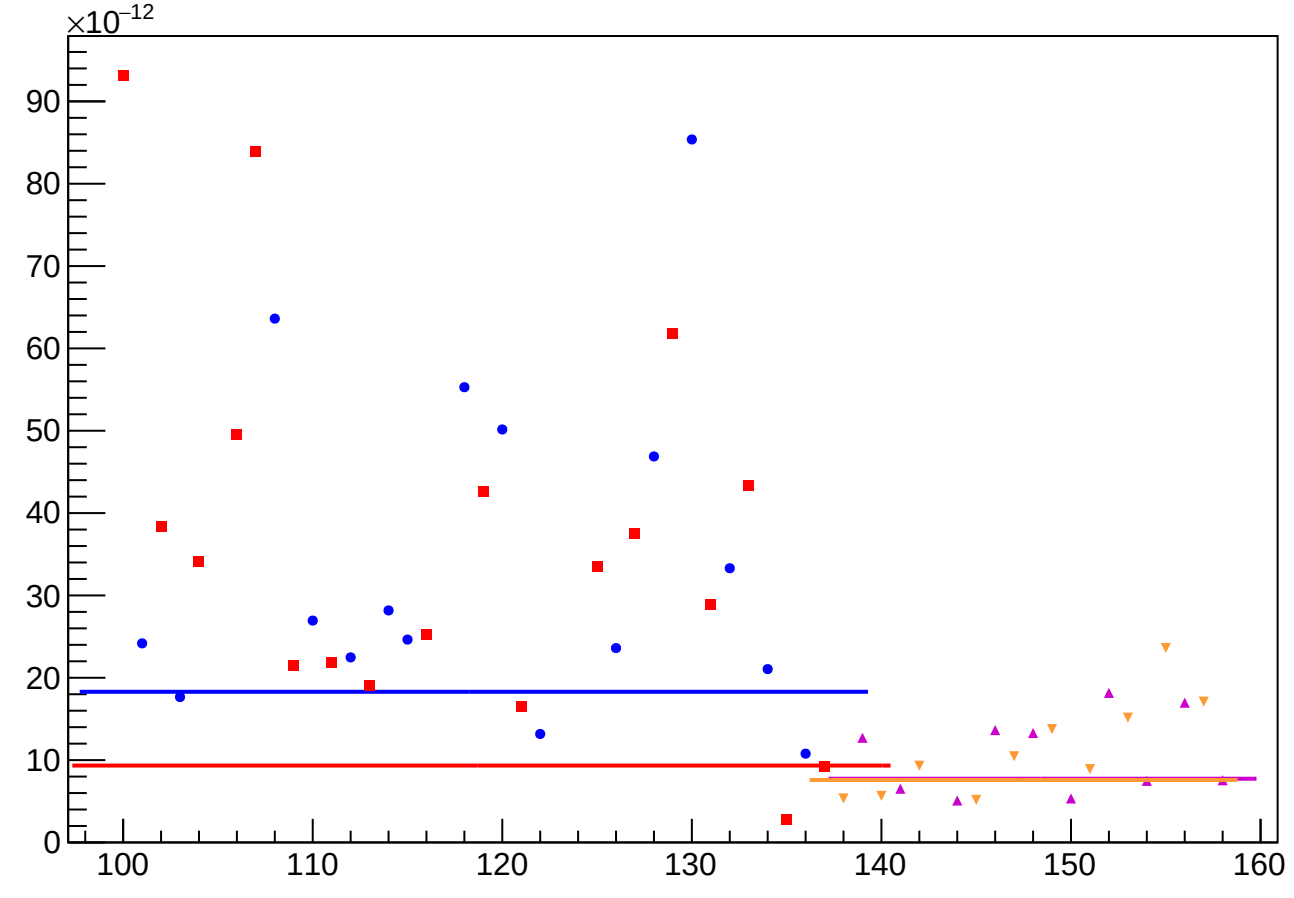
Left: 0.000+/-0.000 χ^2/NDF: 18.8/19

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

In: 0.000+/-0.000 χ^2/NDF:21.6/25

Out: -0.000+/-0.000 χ^2/NDF:26.1/27

All: 0.000+/-0.000 χ^2/NDF: 47.8/53



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

Left Out: 0.000+/-0.000 χ^2/NDF:1768445.5/9

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

Left In: 0.000+/-0.000 χ^2/NDF:1546381.9/9

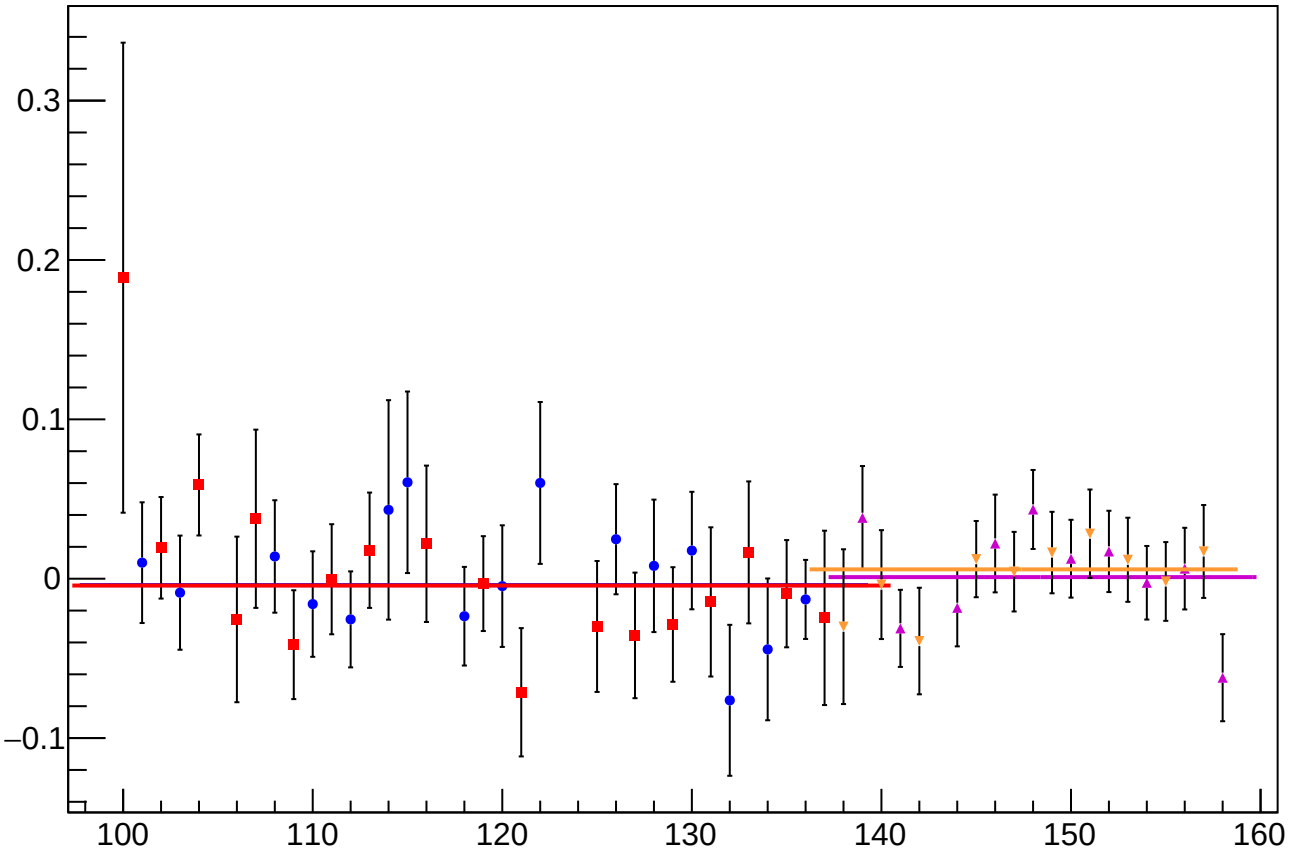
Left: 0.000+/-0.000 χ^2/NDF: 3316224.6/19

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

In: 0.000+/-0.000 χ^2/NDF:5630480.8/25

Out: 0.000+/-0.000 χ^2/NDF:6996656.8/27

All: 0.000+/-0.000 χ^2/NDF: 12725536.0/53



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

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

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

Left In: 0.001+/-0.008 χ^2/NDF:13.1/9

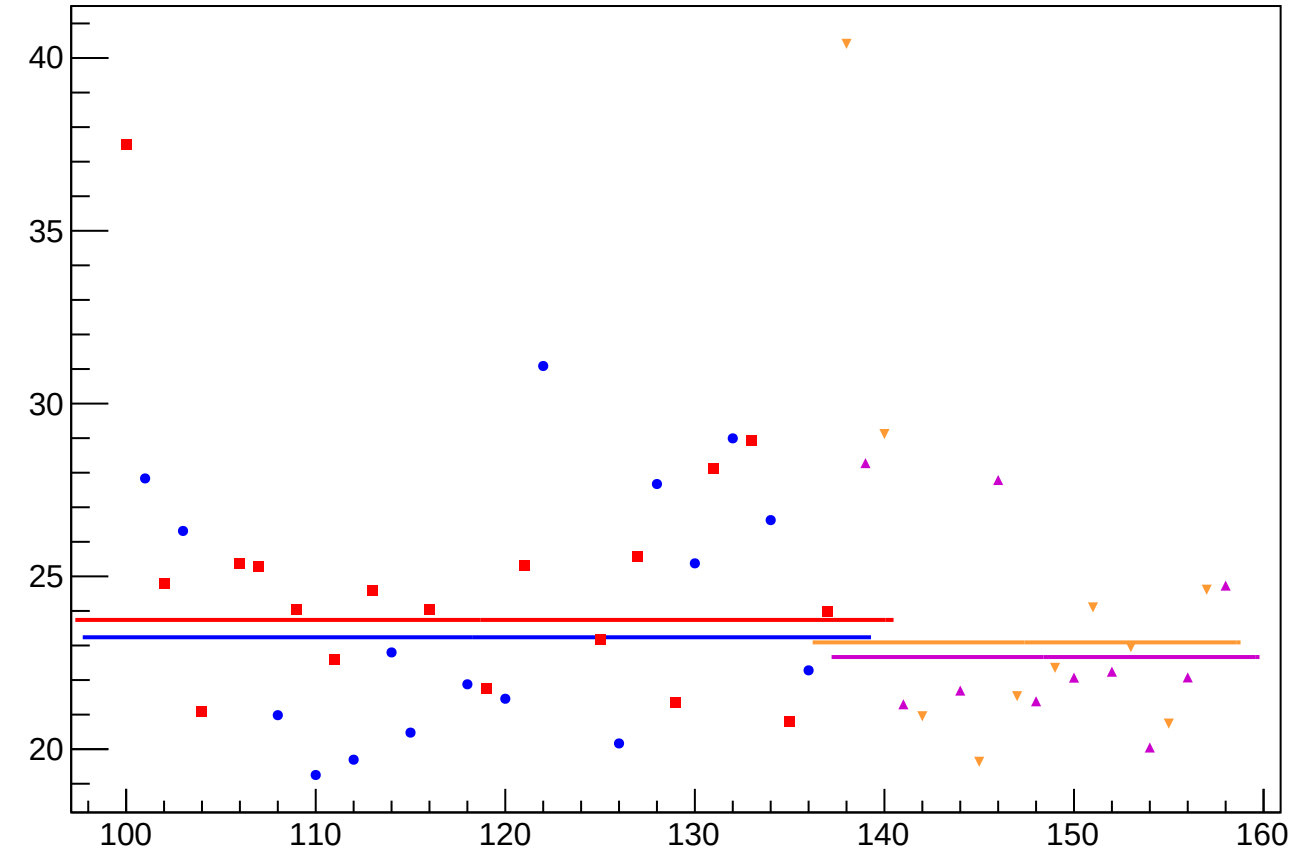
Left: 0.003+/-0.006 χ^2/NDF: 16.9/19

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

In: -0.001+/-0.006 χ^2/NDF:22.5/25

Out: 0.001+/-0.006 χ^2/NDF:17.7/27

All: -0.000+/-0.004 χ^2/NDF: 40.3/53



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

Left Out: 23.090+/-0.006 χ^2/NDF:402270.2/9

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

Left In: 22.666+/-0.006 χ^2/NDF:170392.3/9

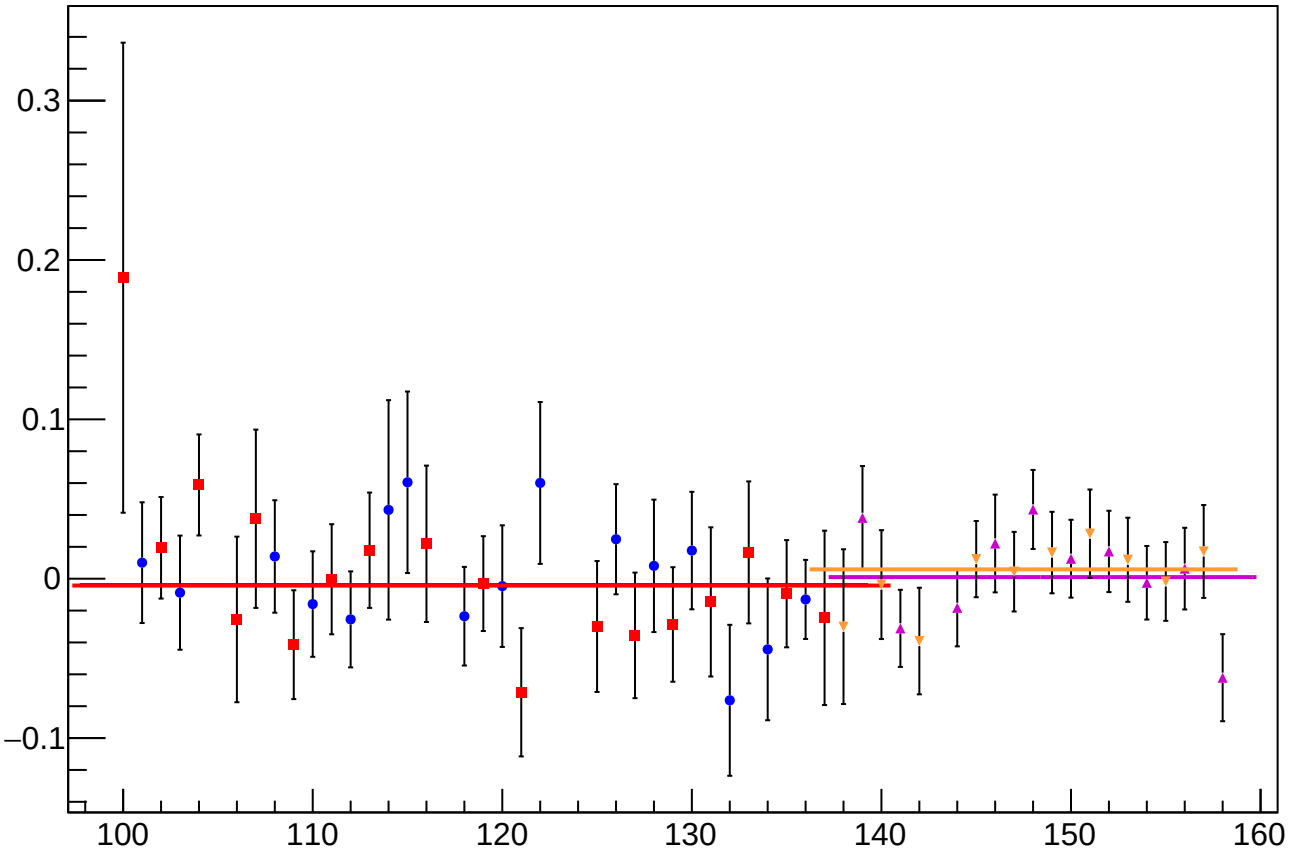
Left: 22.860+/-0.004 χ^2/NDF: 575120.2/19

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

In: 22.916+/-0.004 χ^2/NDF:433917.7/25

Out: 23.400+/-0.005 χ^2/NDF:533549.4/27

All: 23.146+/-0.003 χ^2/NDF: 973407.2/53



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

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

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

Left In: 0.001+/-0.008 χ^2/NDF:13.1/9

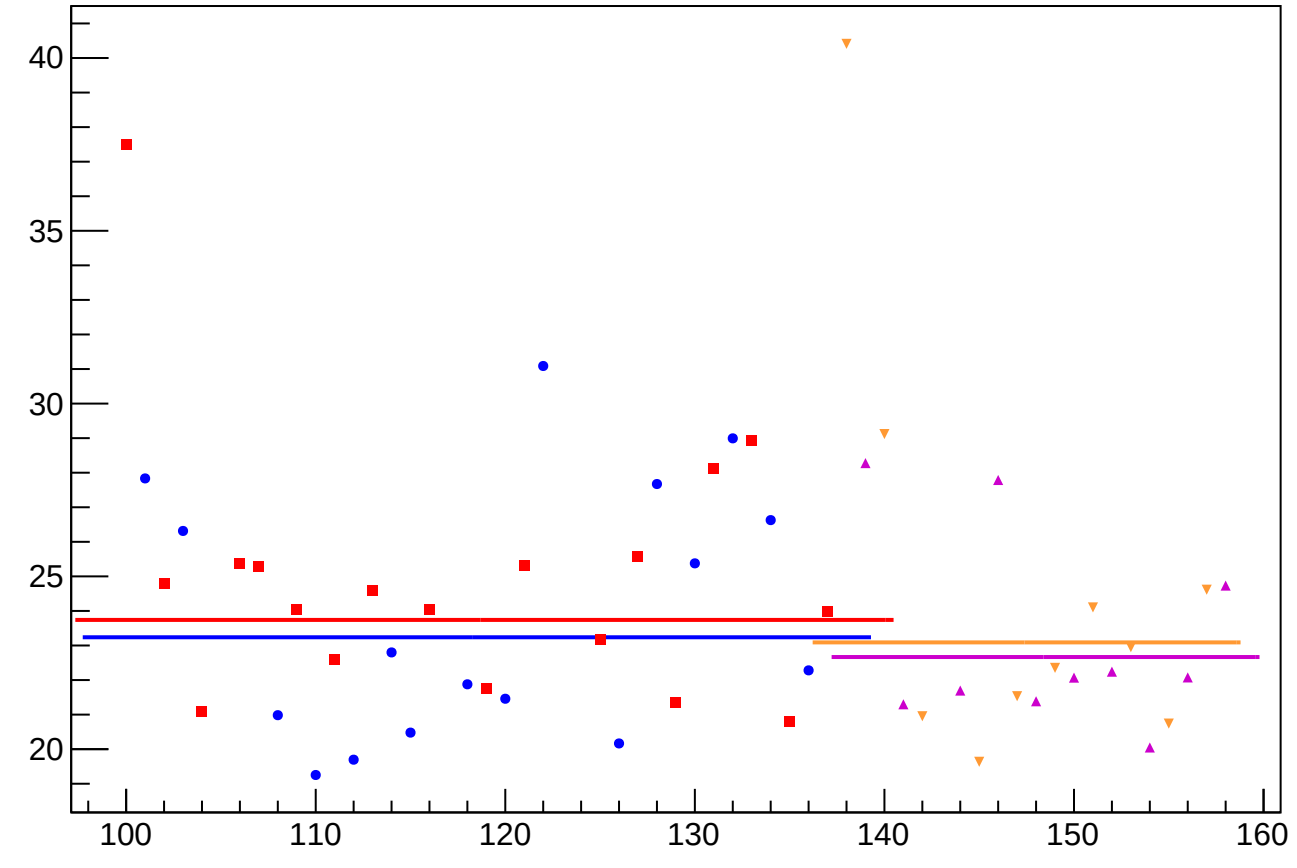
Left: 0.003+/-0.006 χ^2/NDF: 16.9/19

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

In: -0.001+/-0.006 χ^2/NDF:22.5/25

Out: 0.001+/-0.006 χ^2/NDF:17.7/27

All: -0.000+/-0.004 χ^2/NDF: 40.3/53



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

Left Out: 23.090+/-0.006 χ^2/NDF:402270.2/9

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

Left In: 22.666+/-0.006 χ^2/NDF:170392.3/9

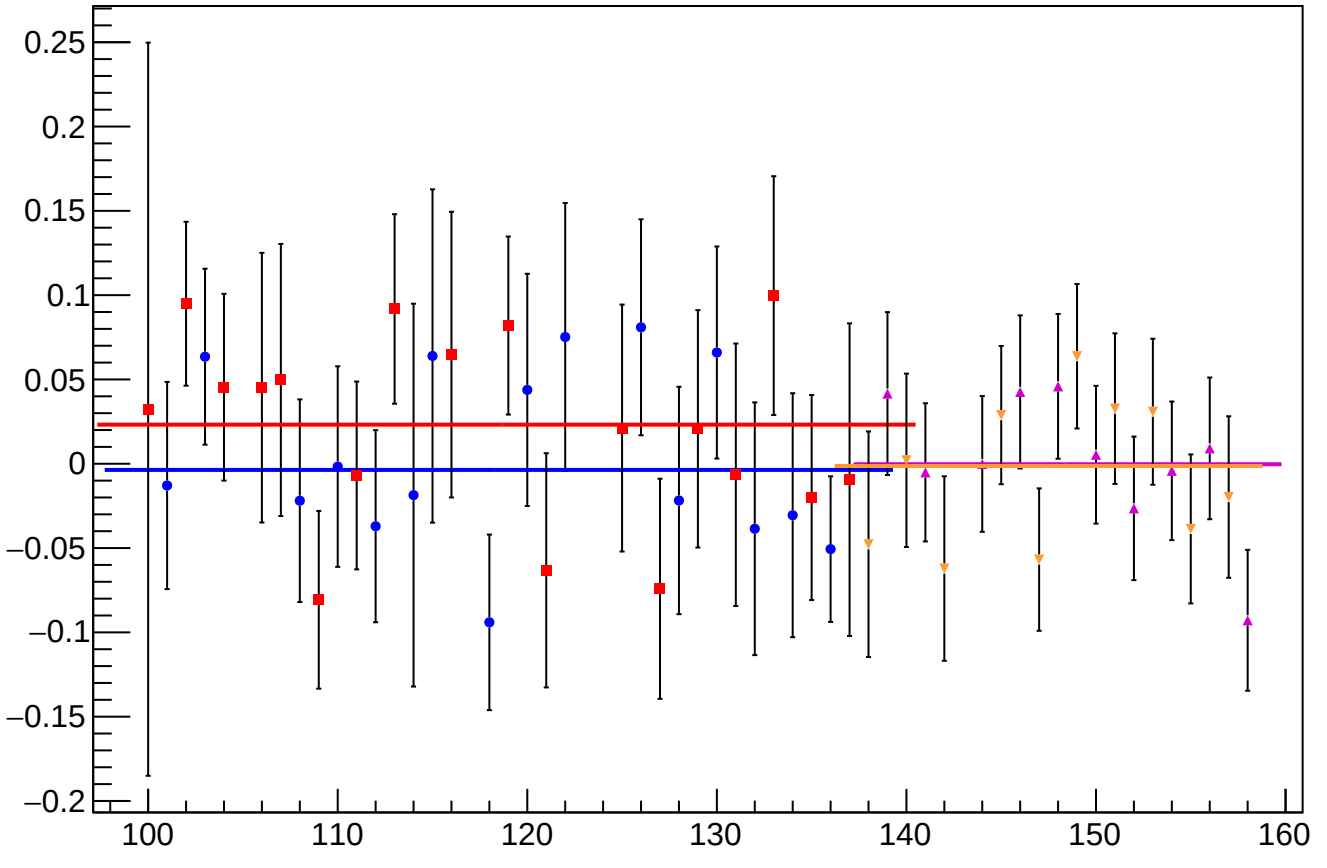
Left: 22.860+/-0.004 χ^2/NDF: 575120.2/19

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

In: 22.916+/-0.004 χ^2/NDF:433917.7/25

Out: 23.400+/-0.005 χ^2/NDF:533549.4/27

All: 23.146+/-0.003 χ^2/NDF: 973407.2/53



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

Left Out: -0.001+/-0.015 χ^2/NDF:8.3/9

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

Left In: -0.000+/-0.013 χ^2/NDF:8.2/9

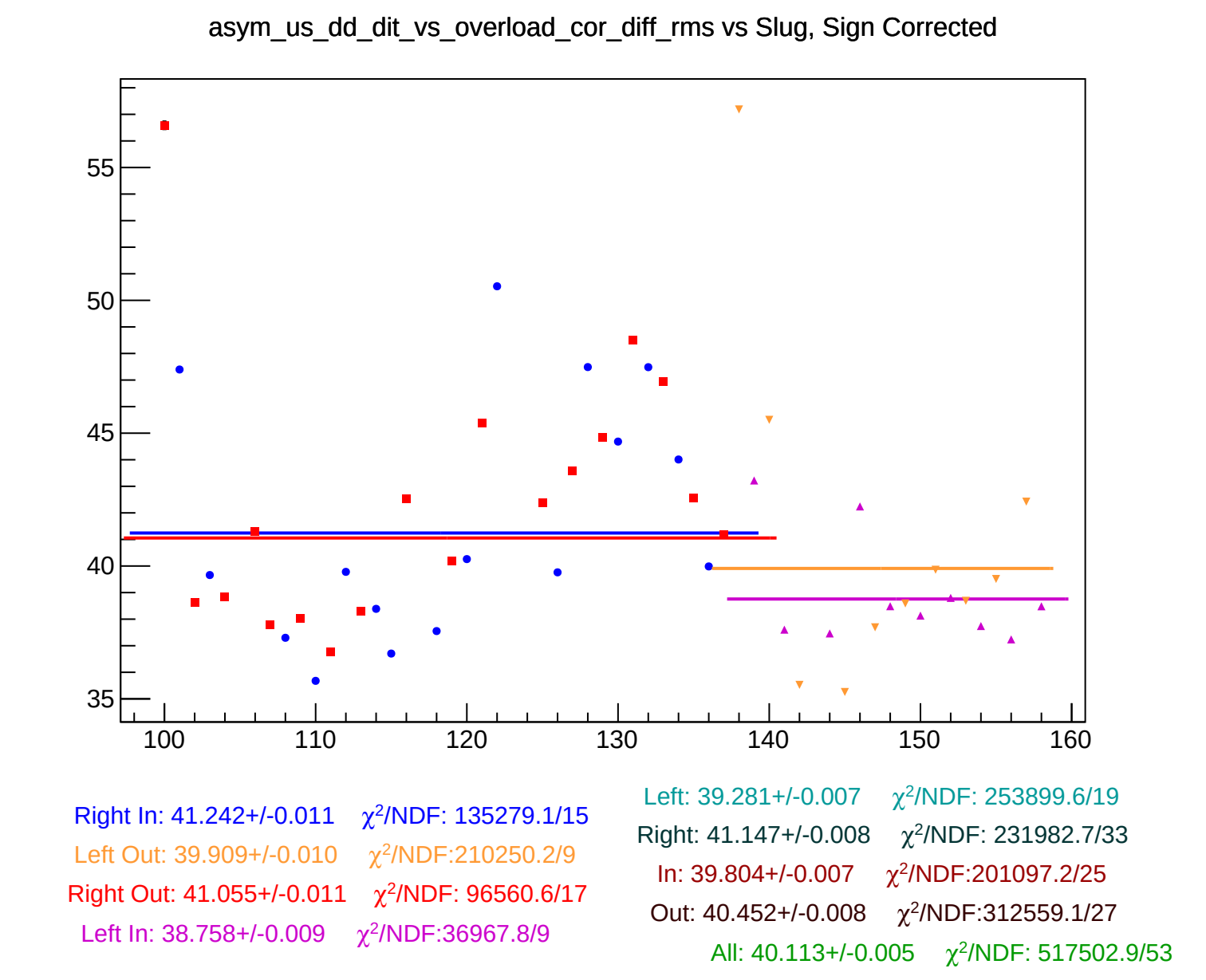
Left: -0.001+/-0.010 χ^2/NDF: 16.5/19

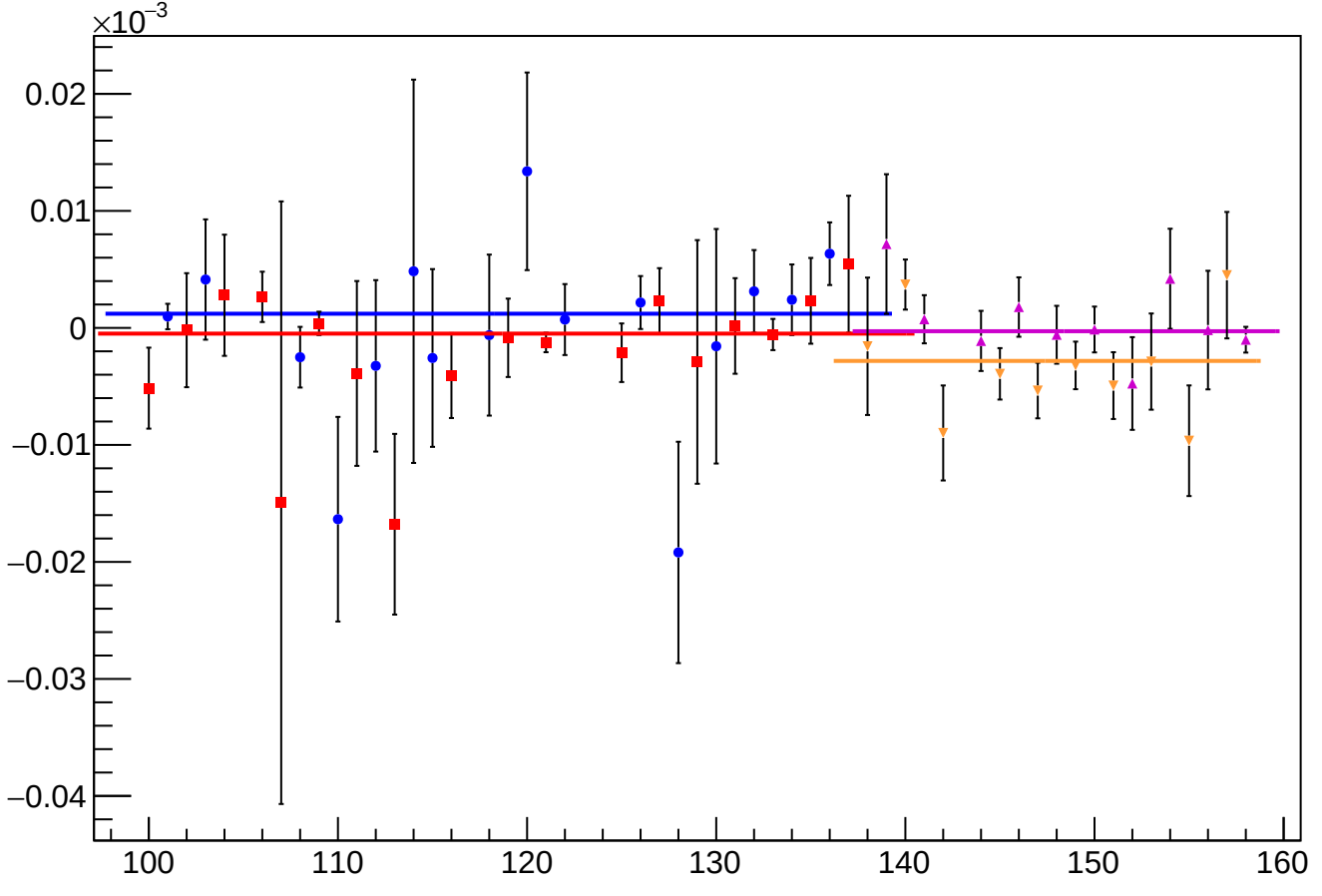
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.010 χ^2/NDF:19.9/25

Out: 0.010+/-0.011 χ^2/NDF:25.0/27

All: 0.004+/-0.007 χ^2/NDF: 45.5/53


asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
55
50
45
40
35
100
110
120
130
140
150
160
Right In: 41.242+/-0.011 χ²/NDF: 135279.1/15
Left Out: 39.909+/-0.010 χ²/NDF:210250.2/9
Right Out: 41.055+/-0.011 χ²/NDF: 96560.6/17
Left In: 38.758+/-0.009 χ²/NDF:36967.8/9
Left: 39.281+/-0.007 χ²/NDF: 253899.6/19
Right: 41.147+/-0.008 χ²/NDF: 231982.7/33
In: 39.804+/-0.007 χ²/NDF:201097.2/25
Out: 40.452+/-0.008 χ²/NDF:312559.1/27
All: 40.113+/-0.005 χ²/NDF: 517502.9/53



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/9

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

Left In: -0.000+/-0.000 χ^2/NDF:5.4/9

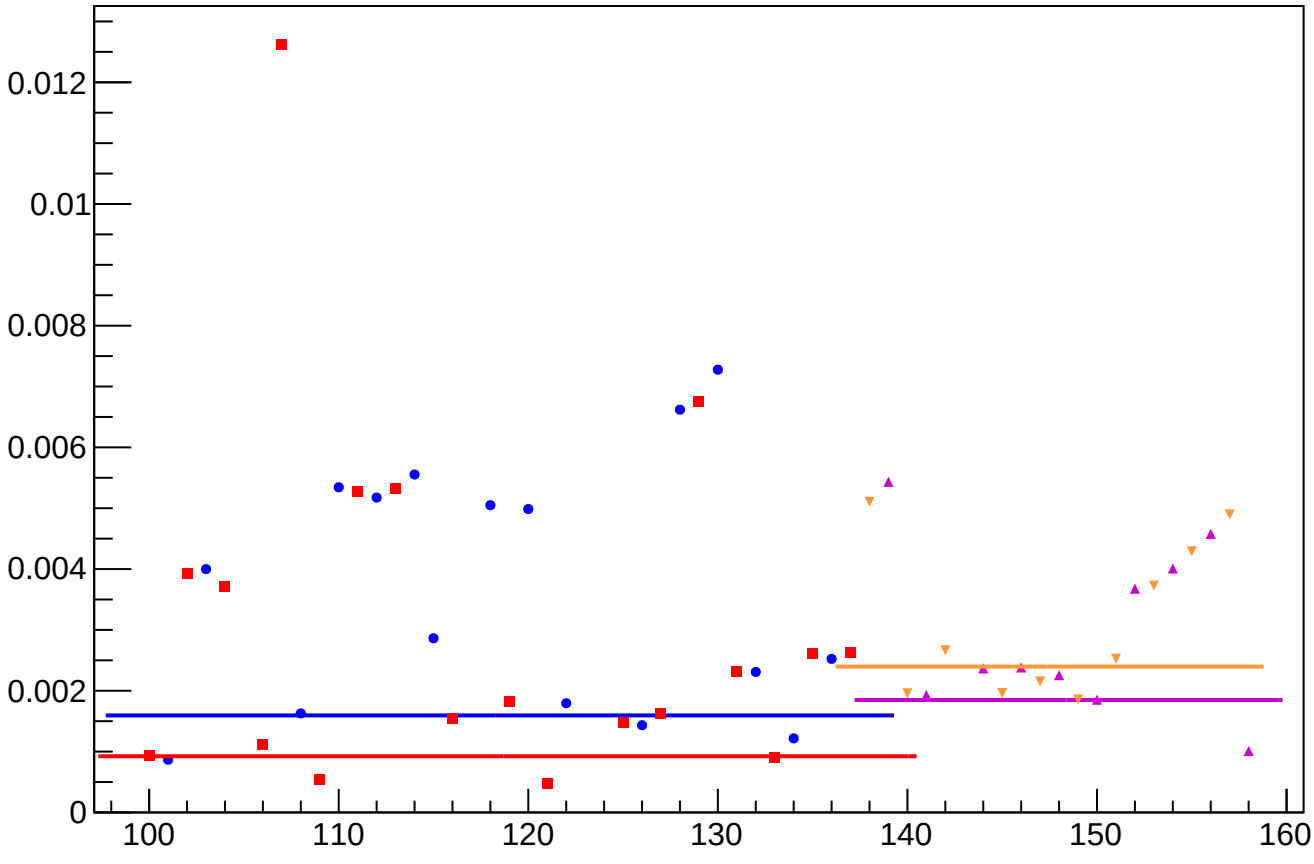
Left: -0.000+/-0.000 χ^2/NDF: 27.7/19

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:25.8/25

Out: -0.000+/-0.000 χ^2/NDF:37.5/27

All: -0.000+/-0.000 χ^2/NDF: 67.9/53



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

Left Out: 0.002+/-0.000 χ^2/NDF:1722599.8/9

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

Left In: 0.002+/-0.000 χ^2/NDF:3628533.4/9

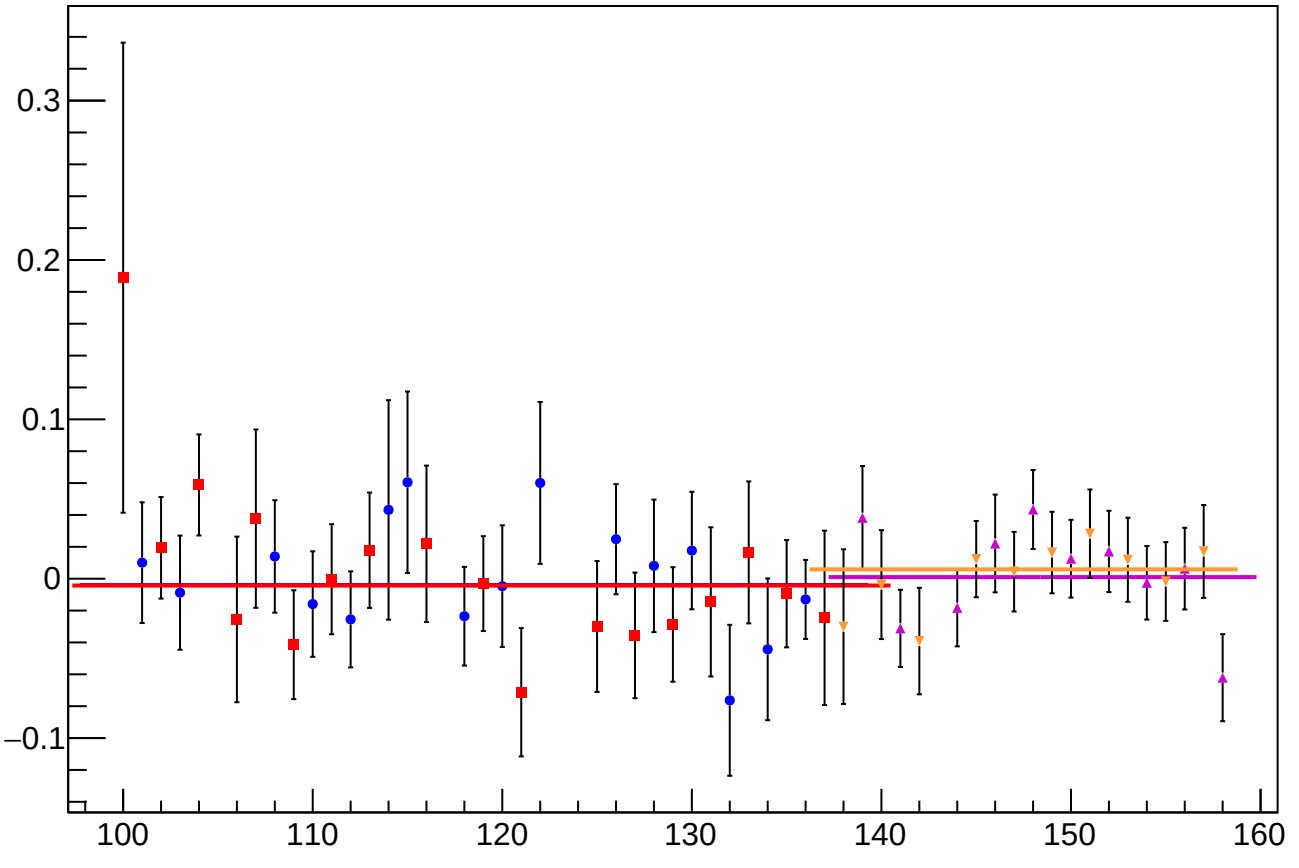
Left: 0.002+/-0.000 χ^2/NDF: 5800577.5/19

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

In: 0.002+/-0.000 χ^2/NDF:8510339.8/25

Out: 0.001+/-0.000 χ^2/NDF:11510795.2/27

All: 0.001+/-0.000 χ^2/NDF: 20981255.6/53



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

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

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

Left In: 0.001+/-0.008 χ^2/NDF:13.1/9

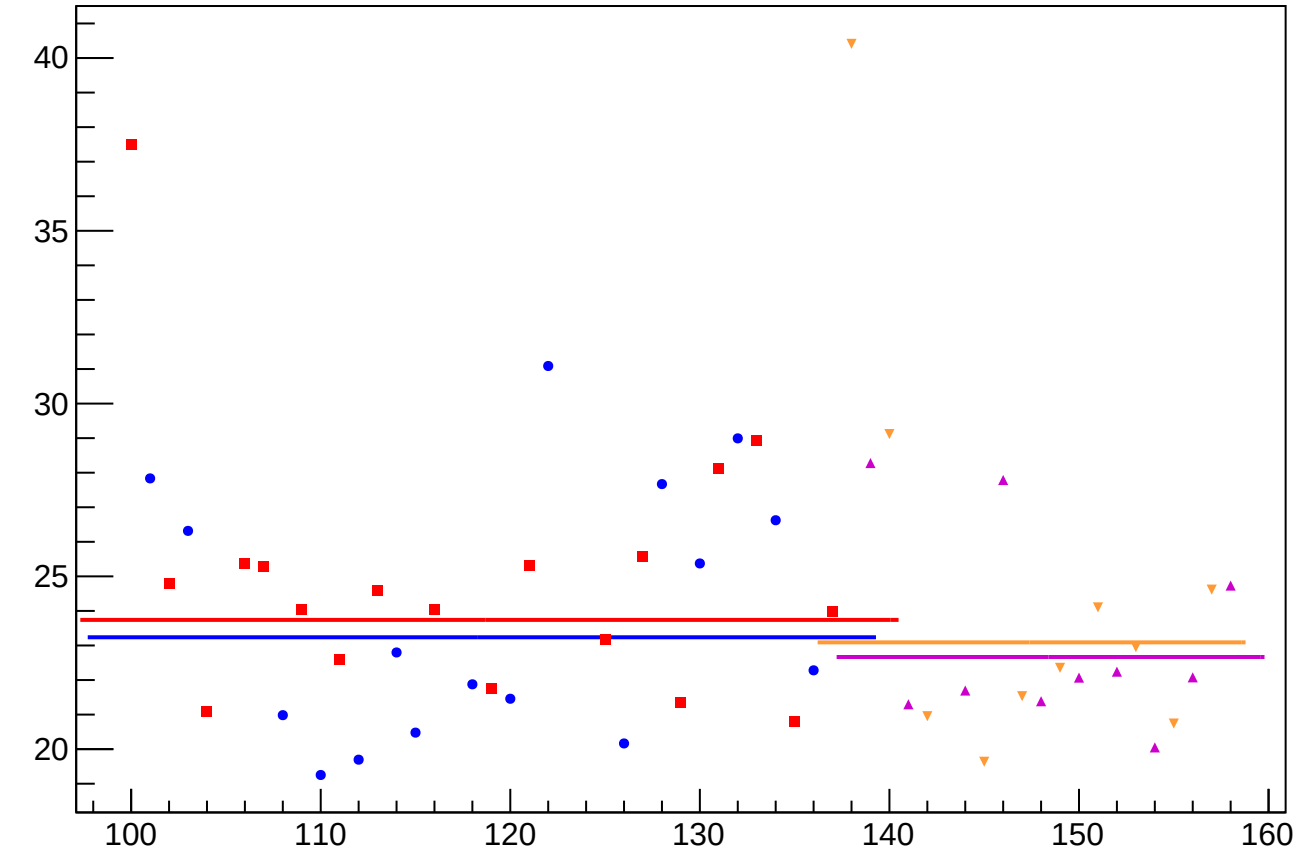
Left: 0.003+/-0.006 χ^2/NDF: 16.9/19

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

In: -0.001+/-0.006 χ^2/NDF:22.5/25

Out: 0.001+/-0.006 χ^2/NDF:17.7/27

All: -0.000+/-0.004 χ^2/NDF: 40.3/53



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

Left Out: 23.090+/-0.006 χ^2/NDF:402276.7/9

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

Left In: 22.667+/-0.006 χ^2/NDF:170360.5/9

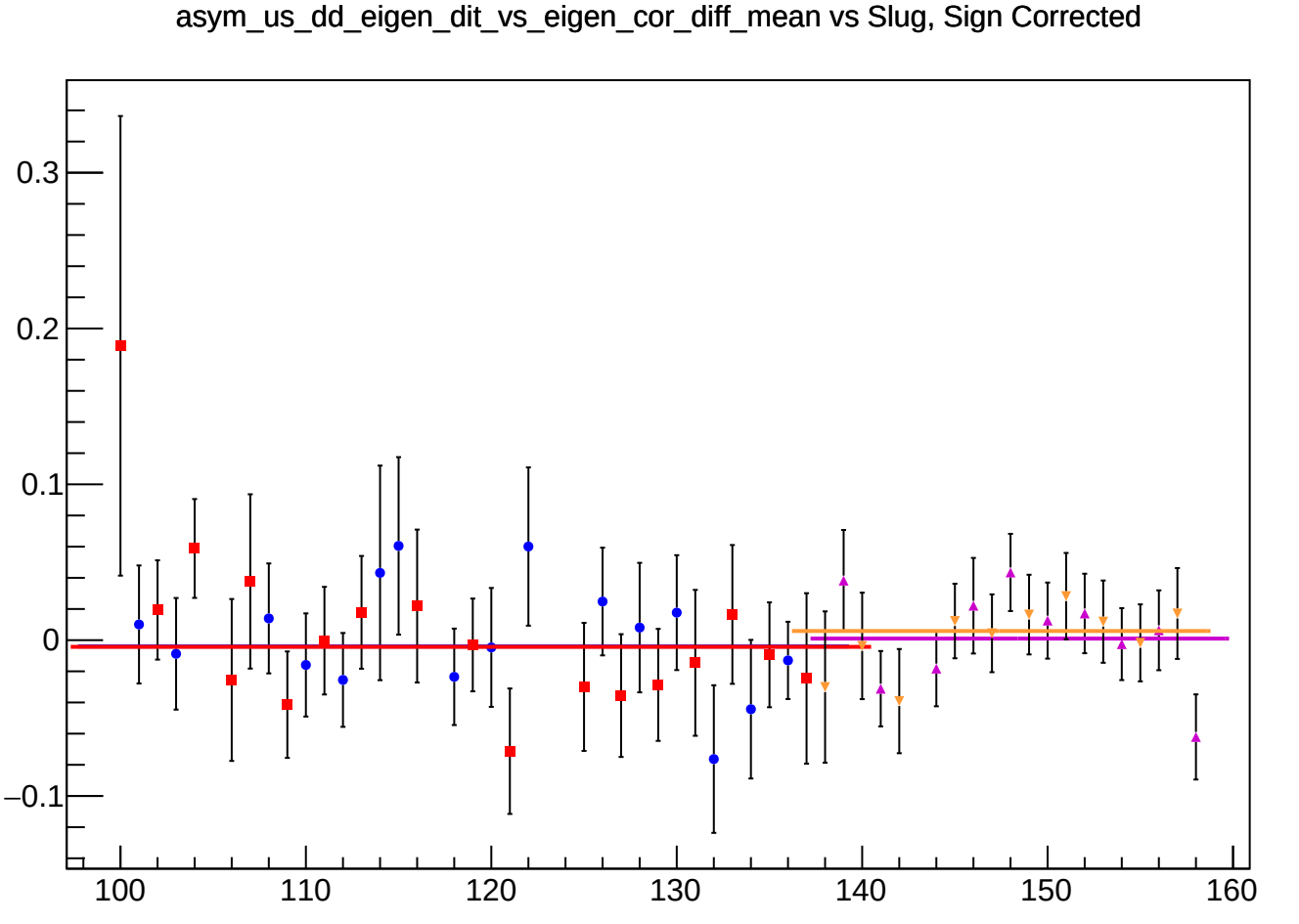
Left: 22.860+/-0.004 χ^2/NDF: 575093.2/19

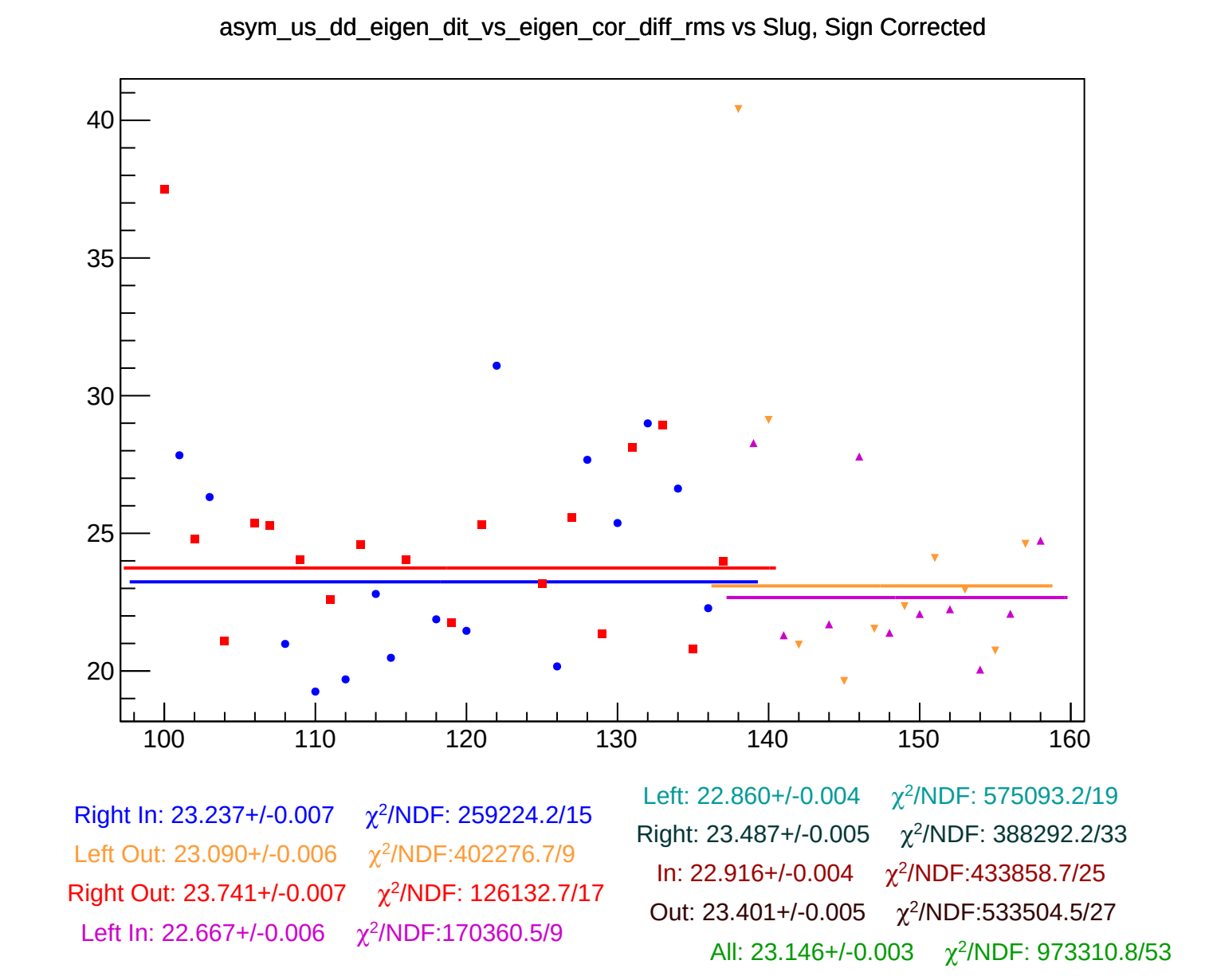
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

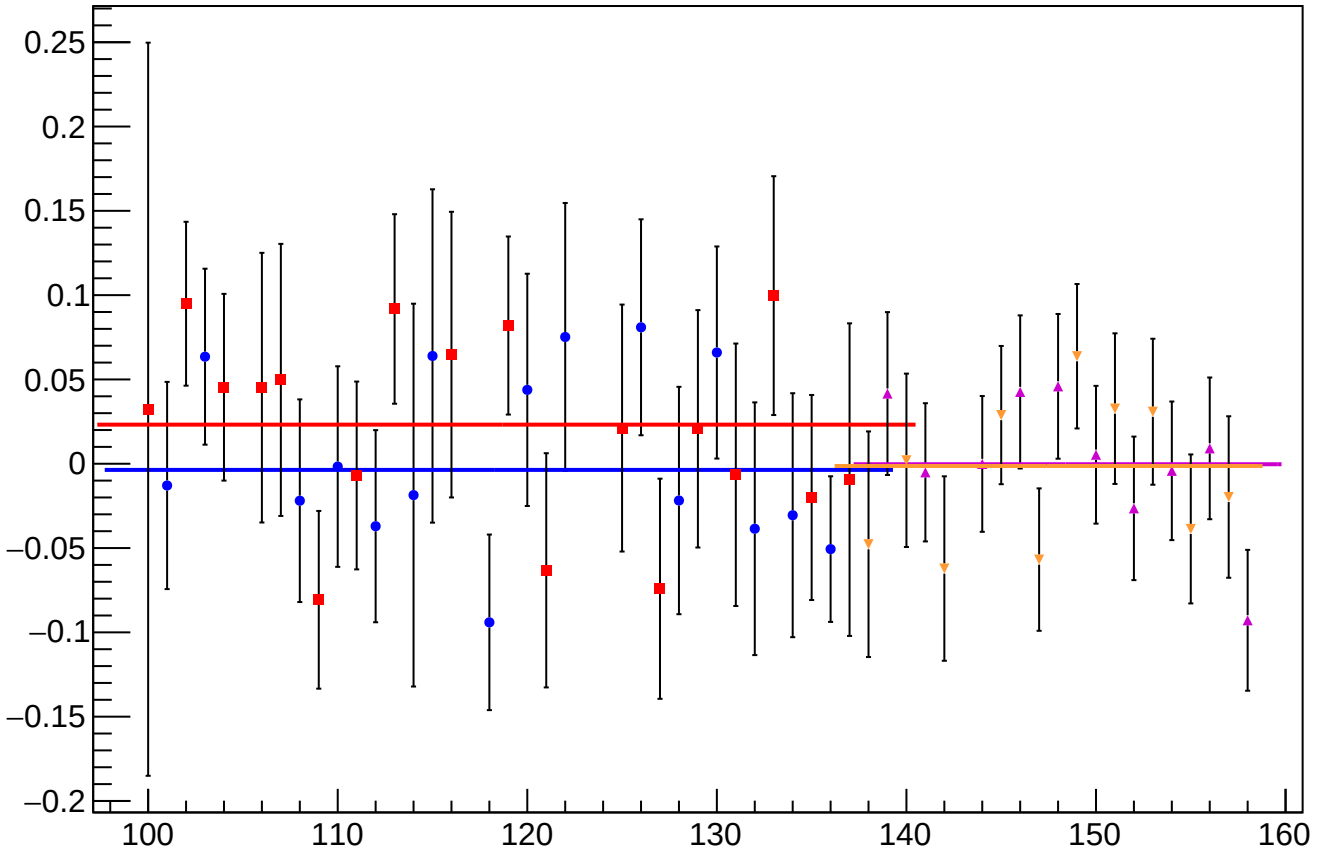
In: 22.916+/-0.004 χ^2/NDF:433858.7/25

Out: 23.401+/-0.005 χ^2/NDF:533504.5/27

All: 23.146+/-0.003 χ^2/NDF: 973310.8/53


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
100
110
120
130
140
150
160
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: 0.006+/-0.009 χ²/NDF:3.6/9
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: 0.001+/-0.008 χ²/NDF:13.1/9
Left: 0.003+/-0.006 χ²/NDF: 16.9/19
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: -0.001+/-0.006 χ²/NDF:22.5/25
Out: 0.001+/-0.006 χ²/NDF:17.7/27
All: -0.000+/-0.004 χ²/NDF: 40.3/53


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
150
160
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.090+/-0.006 χ²/NDF:402276.7/9
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 22.667+/-0.006 χ²/NDF:170360.5/9
Left: 22.860+/-0.004 χ²/NDF: 575093.2/19
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 22.916+/-0.004 χ²/NDF:433858.7/25
Out: 23.401+/-0.005 χ²/NDF:533504.5/27
All: 23.146+/-0.003 χ²/NDF: 973310.8/53



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

Left Out: -0.001+/-0.015 χ^2/NDF:8.3/9

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

Left In: -0.000+/-0.013 χ^2/NDF:8.2/9

Left: -0.001+/-0.010 χ^2/NDF: 16.5/19

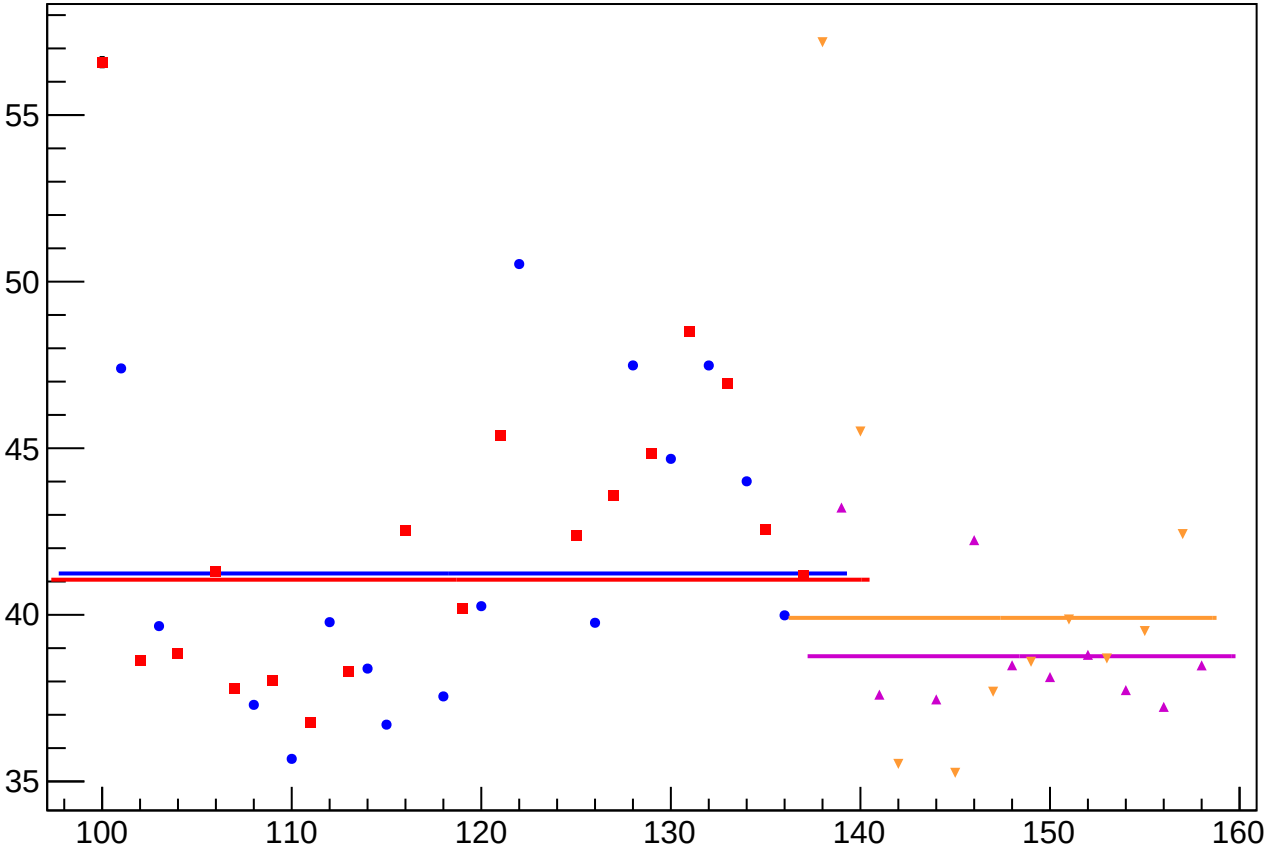
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.010 χ^2/NDF:19.9/25

Out: 0.010+/-0.011 χ^2/NDF:25.0/27

All: 0.004+/-0.007 χ^2/NDF: 45.5/53

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: 39.909+/-0.010 χ^2/NDF:210251.7/9

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

Left In: 38.758+/-0.009 χ^2/NDF:36970.2/9

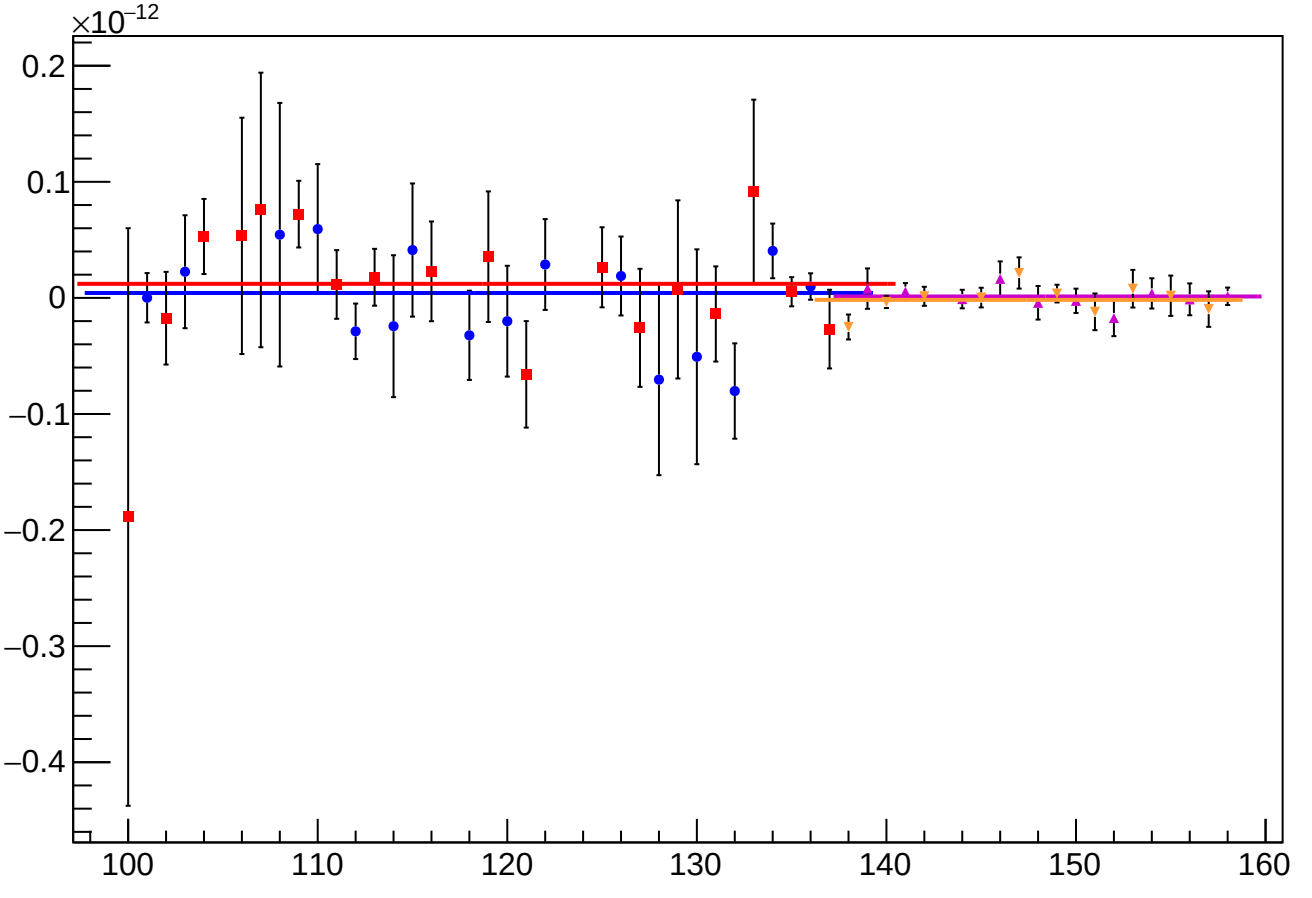
Left: 39.281+/-0.007 χ^2/NDF: 253903.4/19

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

In: 39.804+/-0.007 χ^2/NDF:201068.4/25

Out: 40.452+/-0.008 χ^2/NDF:312547.6/27

All: 40.114+/-0.005 χ^2/NDF: 517463.5/53



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

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/9

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

Left In: 0.000+/-0.000 χ^2/NDF:3.3/9

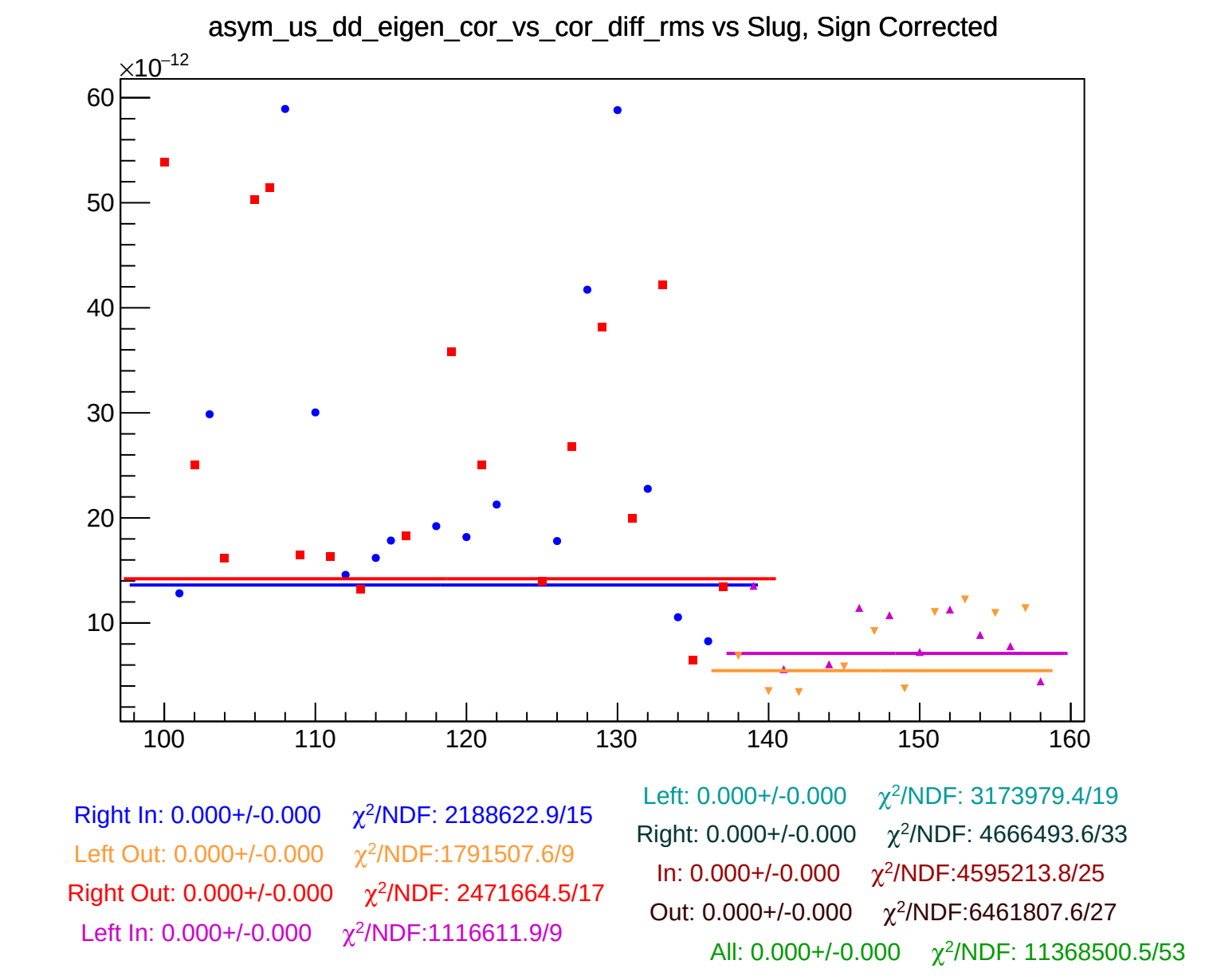
Left: -0.000+/-0.000 χ^2/NDF: 13.3/19

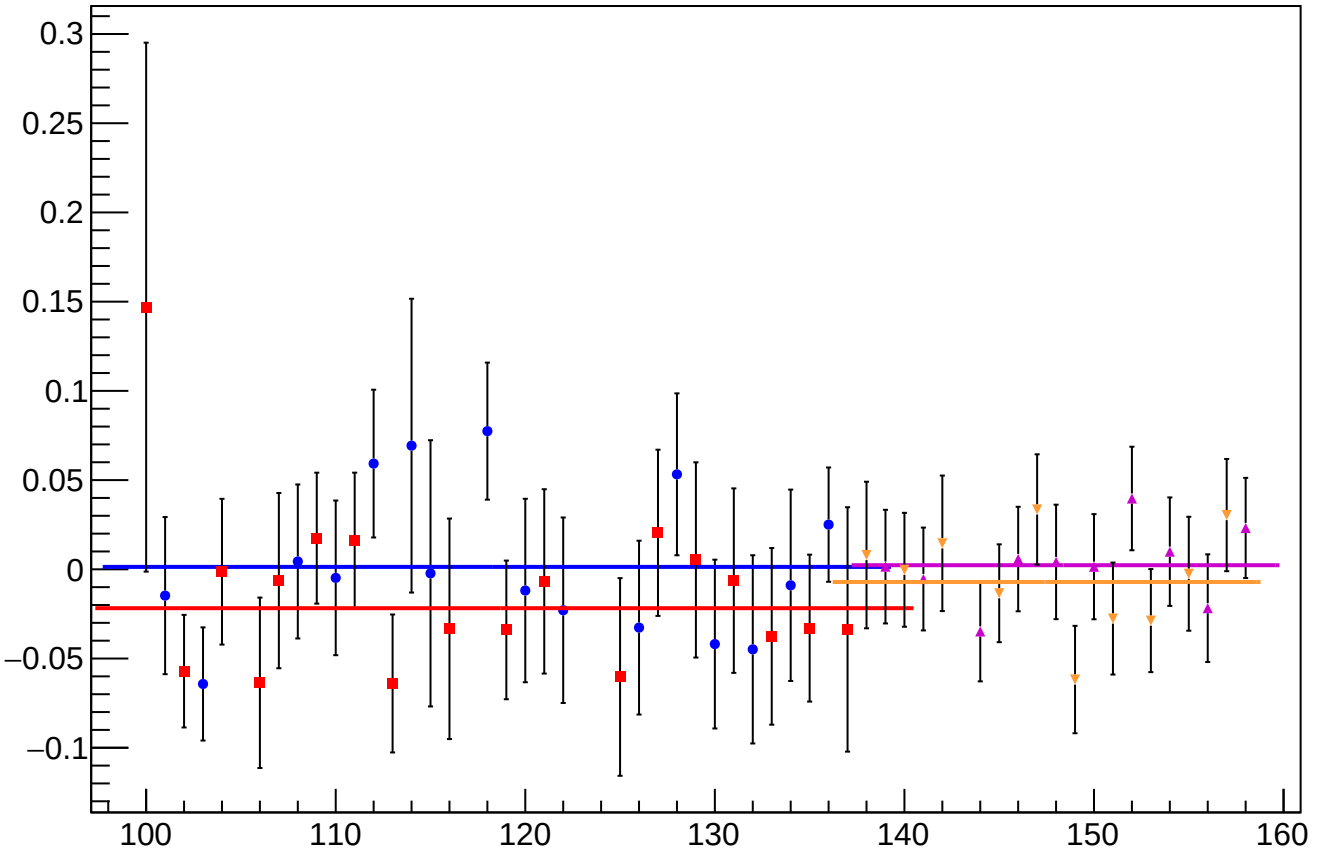
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:17.1/25

Out: 0.000+/-0.000 χ^2/NDF:26.9/27

All: 0.000+/-0.000 χ^2/NDF: 44.1/53


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1791507.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1116611.9/9
Left: 0.000+/-0.000 χ²/NDF: 3173979.4/19
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:4595213.8/25
Out: 0.000+/-0.000 χ²/NDF:6461807.6/27
All: 0.000+/-0.000 χ²/NDF: 11368500.5/53



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

Left Out: -0.007+/-0.010 χ^2/NDF:8.0/9

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

Left In: 0.002+/-0.009 χ^2/NDF:4.8/9

Left: -0.002+/-0.007 χ^2/NDF: 13.3/19

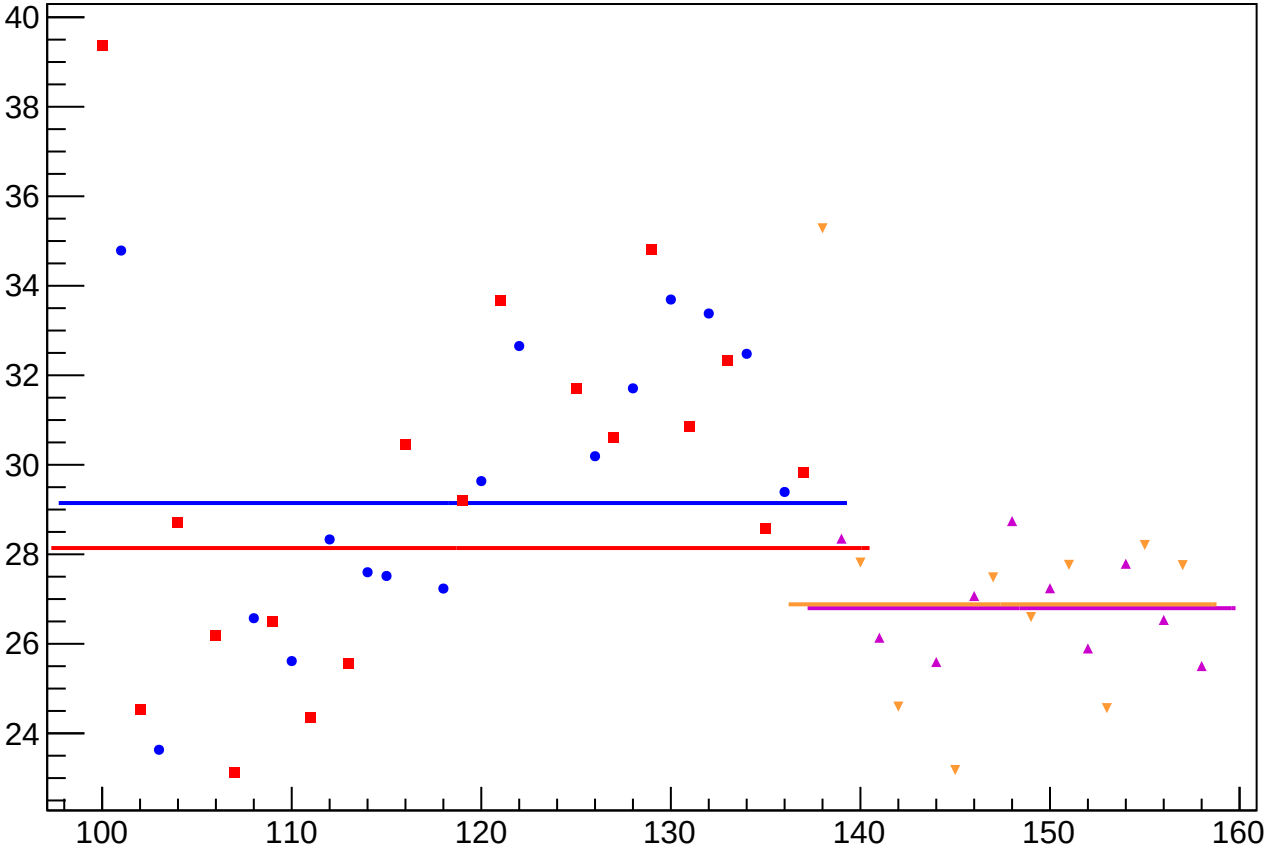
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.002+/-0.007 χ^2/NDF:20.0/25

Out: -0.014+/-0.007 χ^2/NDF:18.1/27

All: -0.006+/-0.005 χ^2/NDF: 40.5/53

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 26.882+/-0.007 χ^2/NDF:149552.9/9

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

Left In: 26.797+/-0.007 χ^2/NDF:25948.4/9

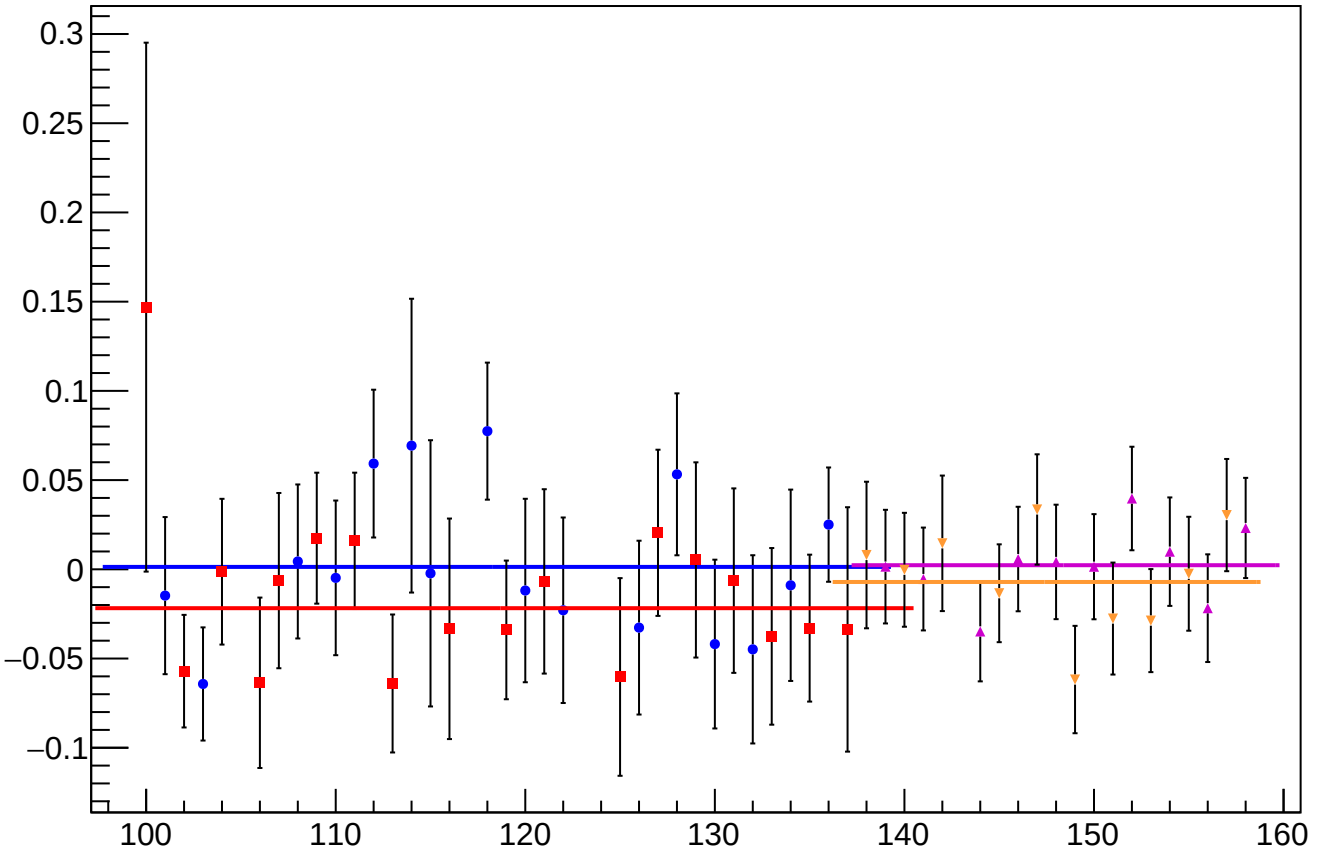
Left: 26.837+/-0.005 χ^2/NDF: 175579.7/19

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

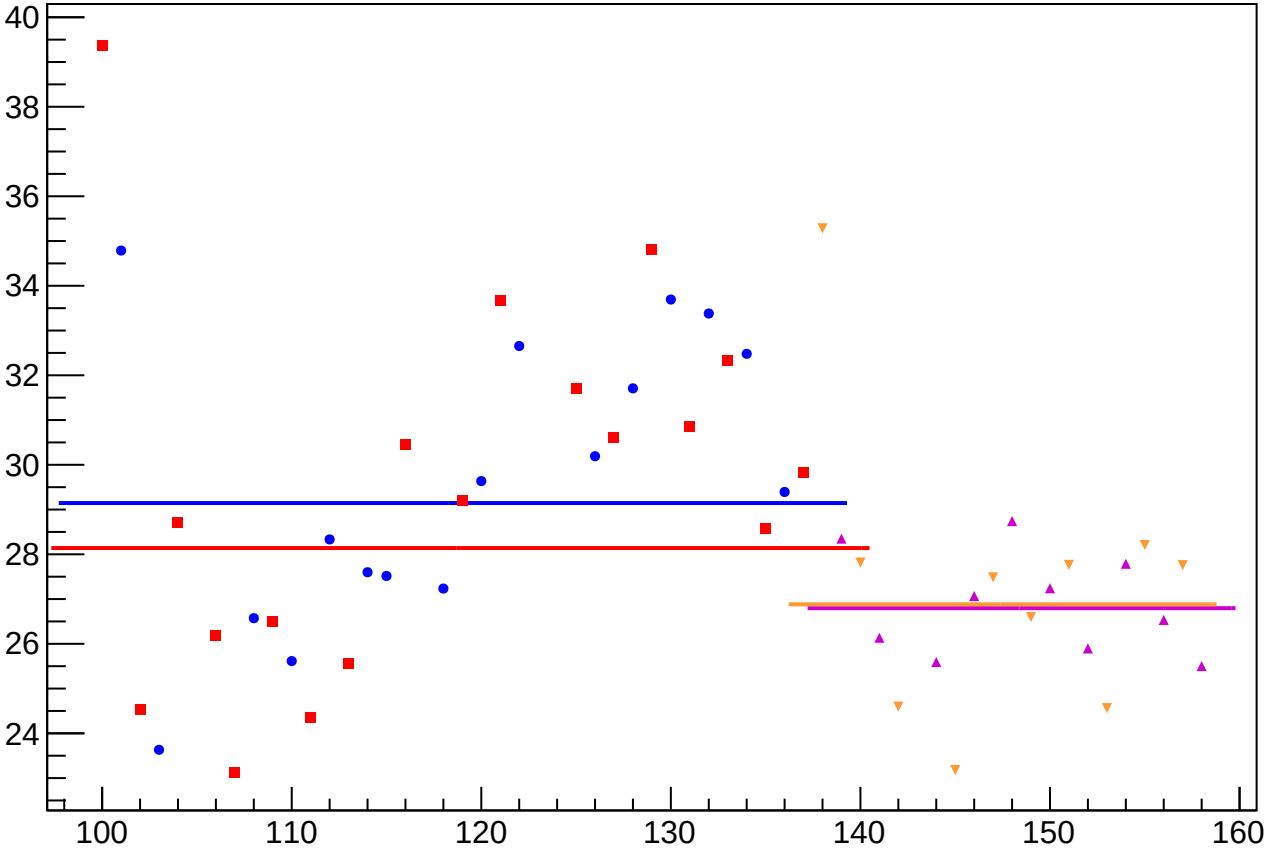
In: 27.762+/-0.005 χ^2/NDF:254534.4/25

Out: 27.466+/-0.005 χ^2/NDF:351257.8/27

All: 27.617+/-0.004 χ^2/NDF: 607459.6/53


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.007+/-0.010 χ²/NDF:8.0/9
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.002+/-0.009 χ²/NDF:4.8/9
Left: -0.002+/-0.007 χ²/NDF: 13.3/19
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.002+/-0.007 χ²/NDF:20.0/25
Out: -0.014+/-0.007 χ²/NDF:18.1/27
All: -0.006+/-0.005 χ²/NDF: 40.5/53

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 26.882+/-0.007 χ^2/NDF:149552.9/9

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

Left In: 26.797+/-0.007 χ^2/NDF:25948.4/9

Left: 26.837+/-0.005 χ^2/NDF: 175579.7/19

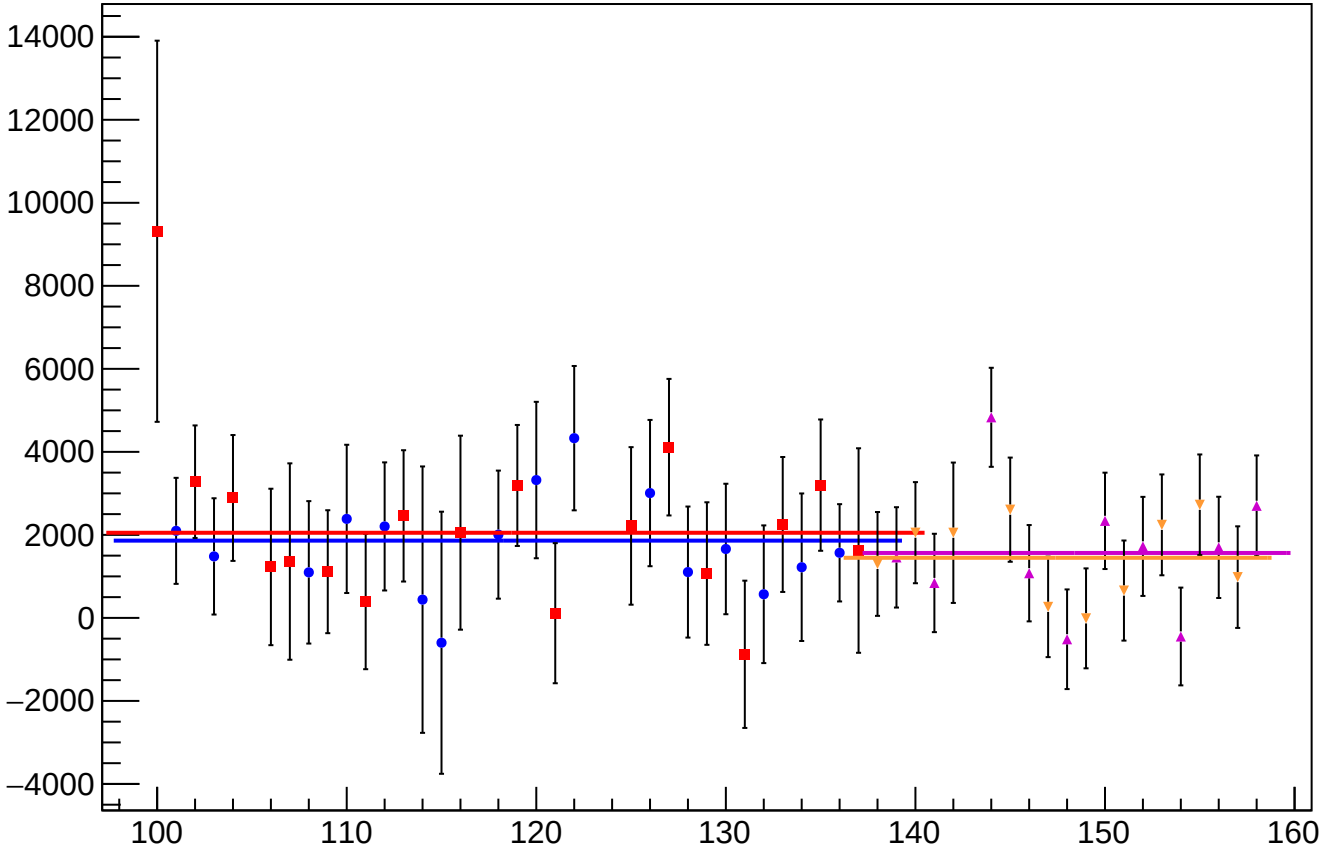
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.762+/-0.005 χ^2/NDF:254534.4/25

Out: 27.466+/-0.005 χ^2/NDF:351257.8/27

All: 27.617+/-0.004 χ^2/NDF: 607459.6/53

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1447.939+/-395.787 χ^2/NDF:5.8/9

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

Left In: 1564.549+/-376.562 χ^2/NDF:15.3/9

Left: 1509.145+/-272.813 χ^2/NDF: 21.1/19

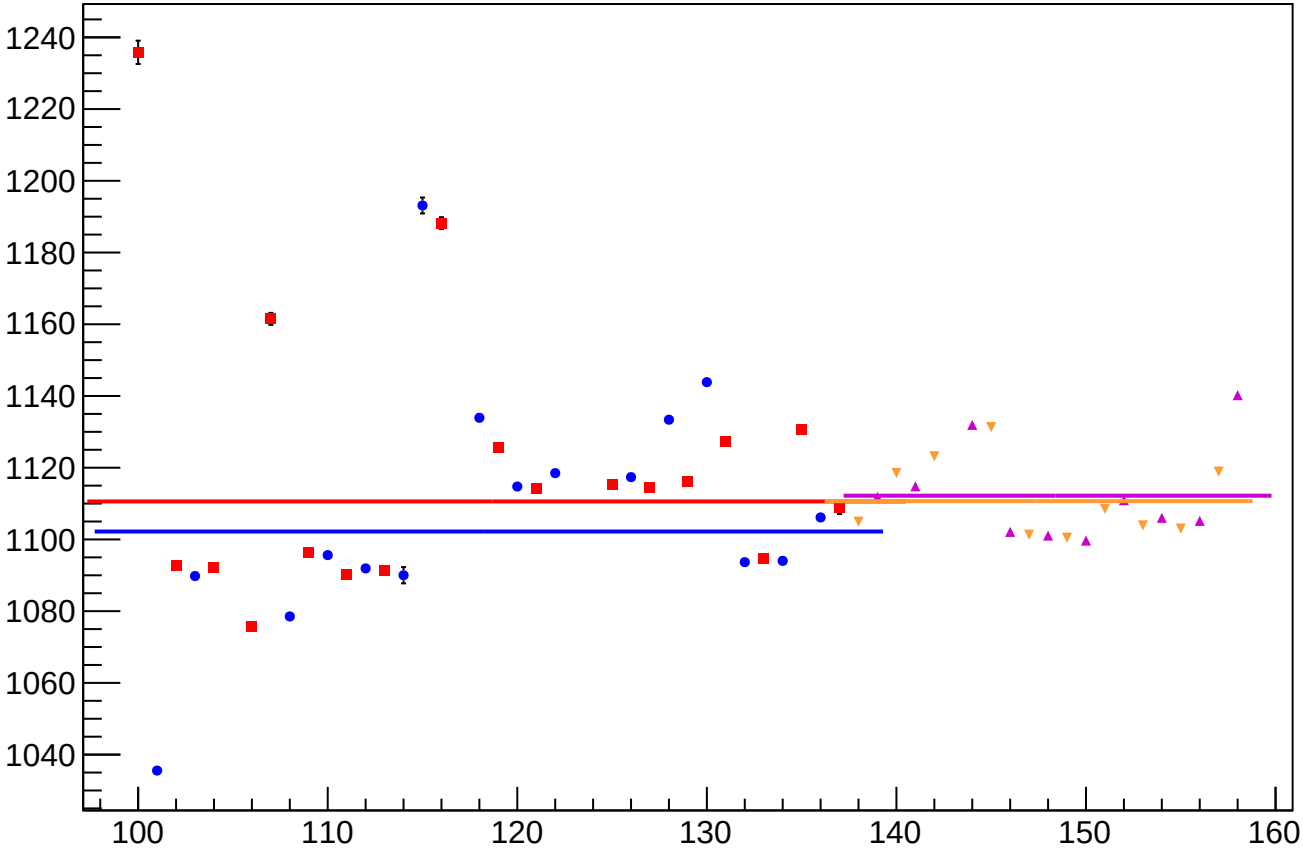
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1700.606+/-277.191 χ^2/NDF:21.0/25

Out: 1739.311+/-284.504 χ^2/NDF:19.4/27

All: 1719.455+/-198.539 χ^2/NDF: 40.4/53

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.668+/-0.280 χ^2/NDF:1276.3/9

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

Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

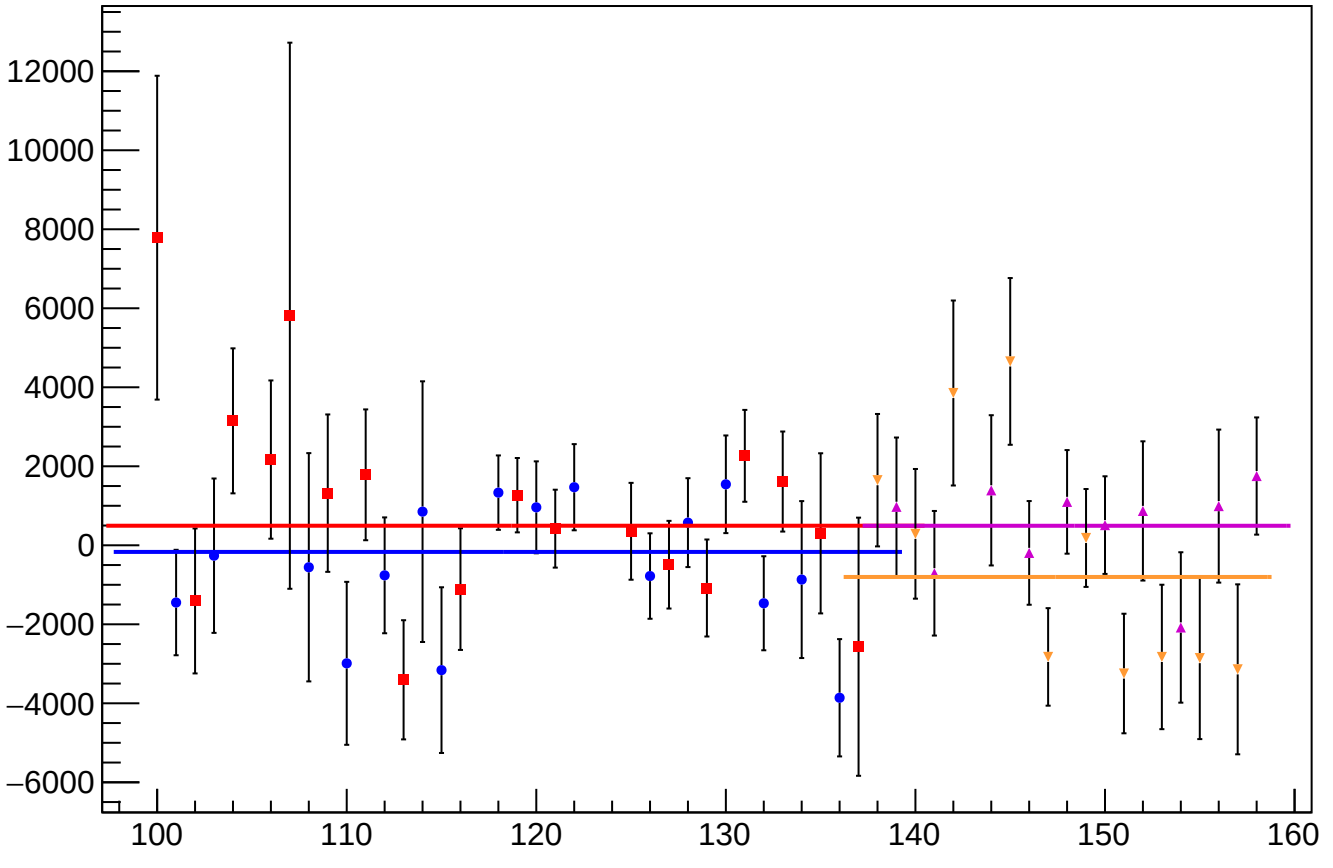
Left: 1111.470+/-0.193 χ^2/NDF: 3594.4/19

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

In: 1107.619+/-0.196 χ^2/NDF:14296.4/25

Out: 1110.631+/-0.201 χ^2/NDF:8972.4/27

All: 1109.086+/-0.140 χ^2/NDF: 23383.8/53



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

Left Out: -801.886+/-524.791 χ^2/NDF:22.6/9

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

Left In: 494.149+/-491.530 χ^2/NDF:4.0/9

Left: -111.498+/-358.747 χ^2/NDF: 29.8/19

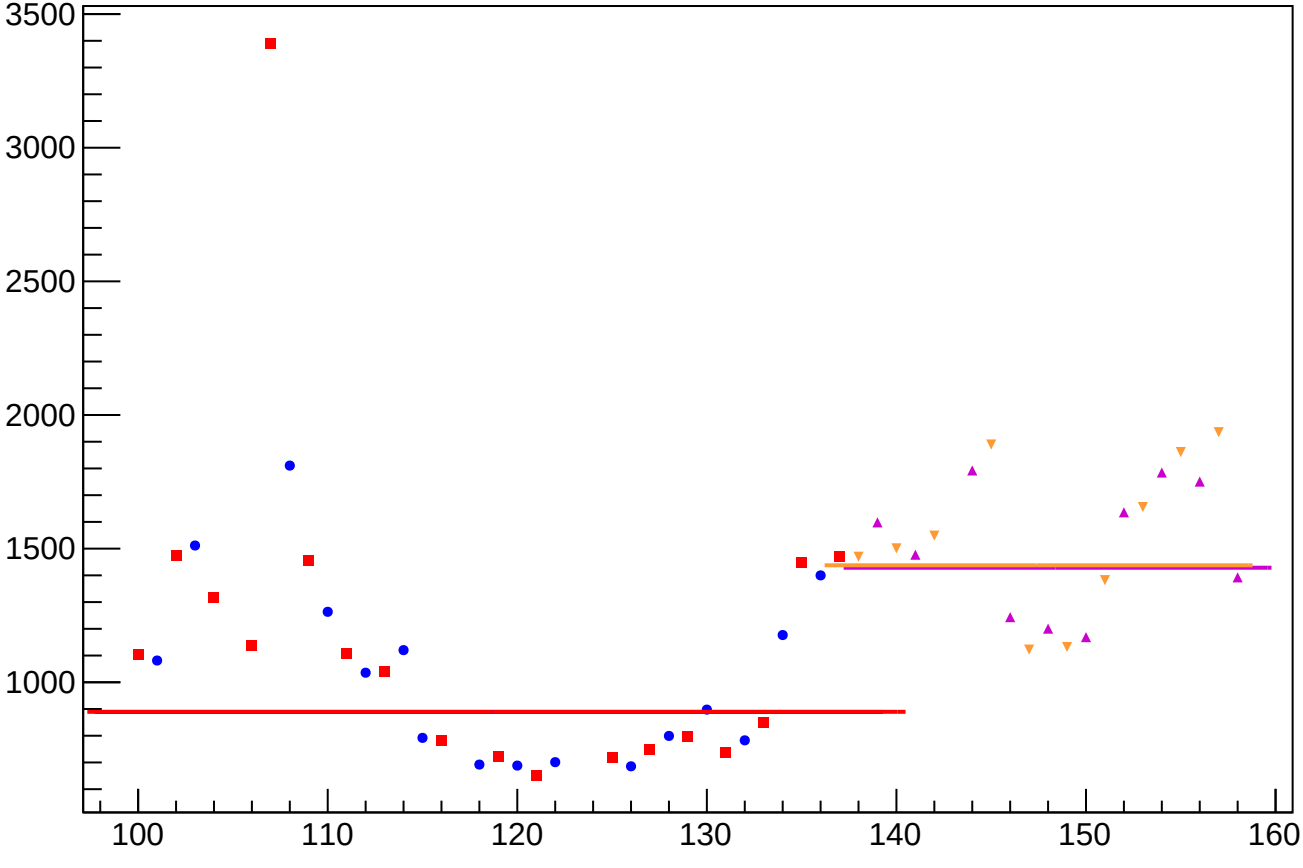
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 50.990+/-282.626 χ^2/NDF:26.3/25

Out: 103.681+/-288.315 χ^2/NDF:50.1/27

All: 76.810+/-201.828 χ^2/NDF: 76.4/53

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1437.620+/-0.371 χ^2/NDF:575885.0/9

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

Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

Left: 1432.814+/-0.254 χ^2/NDF: 1012745.1/19

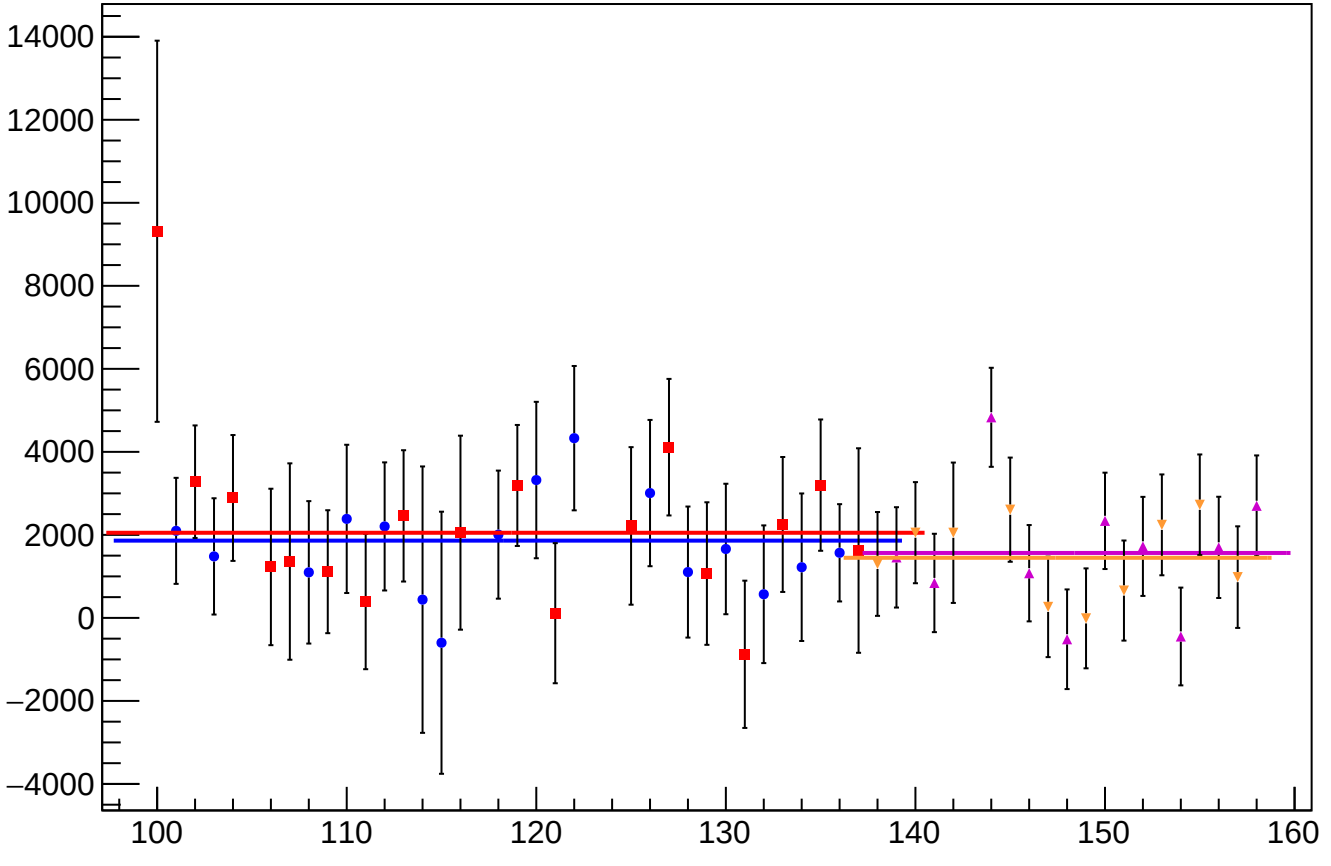
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1067.370+/-0.200 χ^2/NDF:3182989.1/25

Out: 1054.924+/-0.204 χ^2/NDF:3445002.0/27

All: 1061.271+/-0.143 χ^2/NDF: 6629891.9/53

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1447.939+/-395.787 χ^2/NDF:5.8/9

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

Left In: 1564.549+/-376.562 χ^2/NDF:15.3/9

Left: 1509.145+/-272.813 χ^2/NDF: 21.1/19

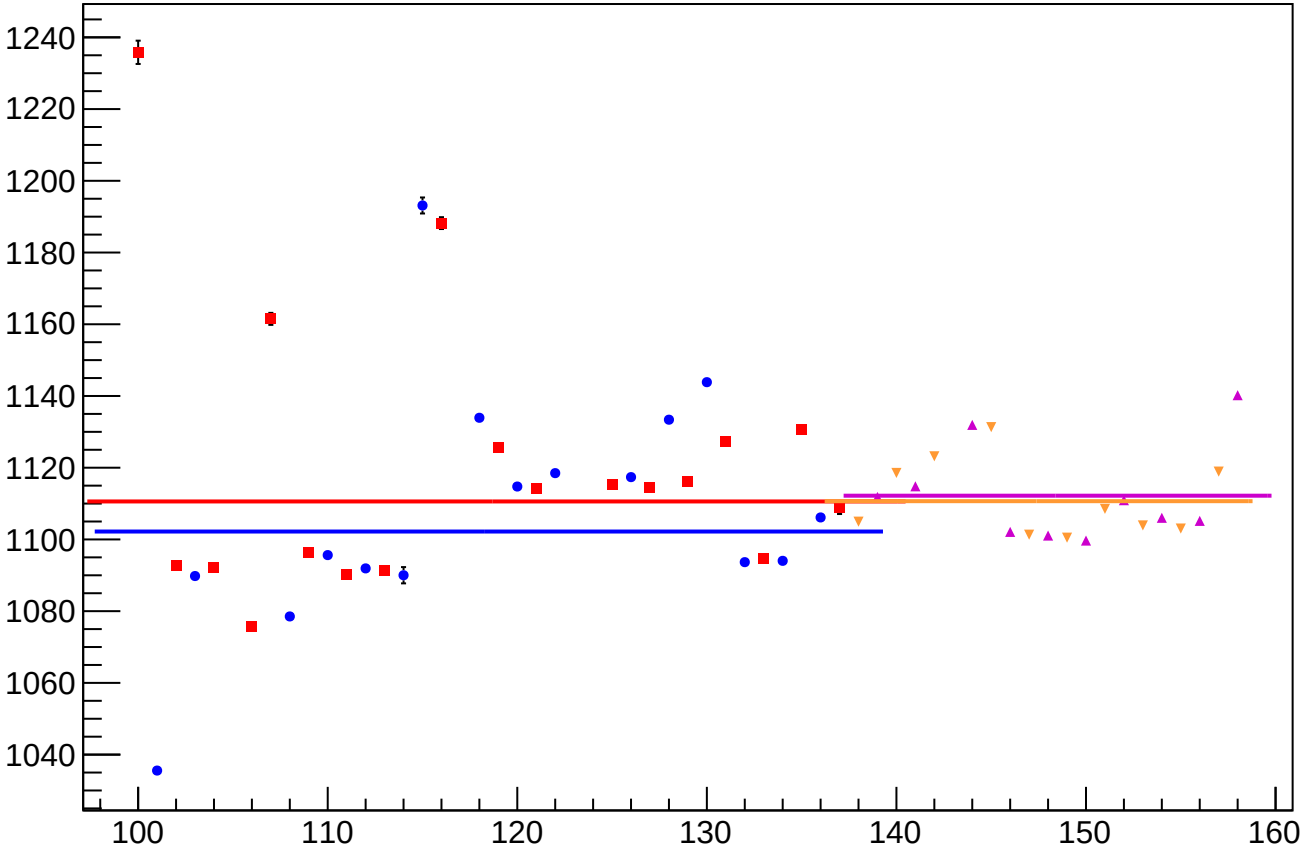
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1700.606+/-277.191 χ^2/NDF:21.0/25

Out: 1739.311+/-284.504 χ^2/NDF:19.4/27

All: 1719.455+/-198.539 χ^2/NDF: 40.4/53

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.668+/-0.280 χ^2/NDF:1276.3/9

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

Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

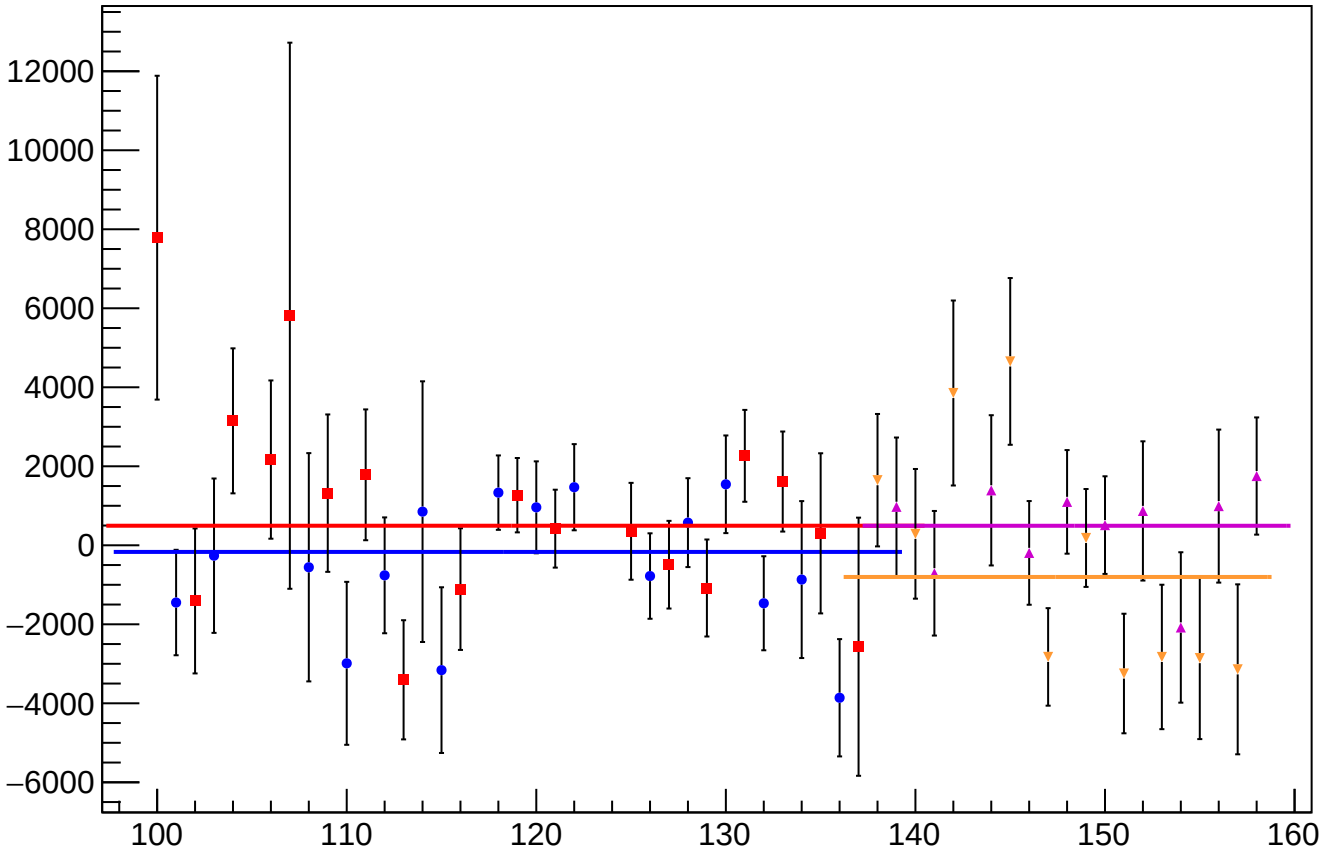
Left: 1111.470+/-0.193 χ^2/NDF: 3594.4/19

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

In: 1107.619+/-0.196 χ^2/NDF:14296.4/25

Out: 1110.631+/-0.201 χ^2/NDF:8972.4/27

All: 1109.086+/-0.140 χ^2/NDF: 23383.8/53



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

Left Out: -801.886+/-524.791 χ^2/NDF:22.6/9

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

Left In: 494.149+/-491.530 χ^2/NDF:4.0/9

Left: -111.498+/-358.747 χ^2/NDF: 29.8/19

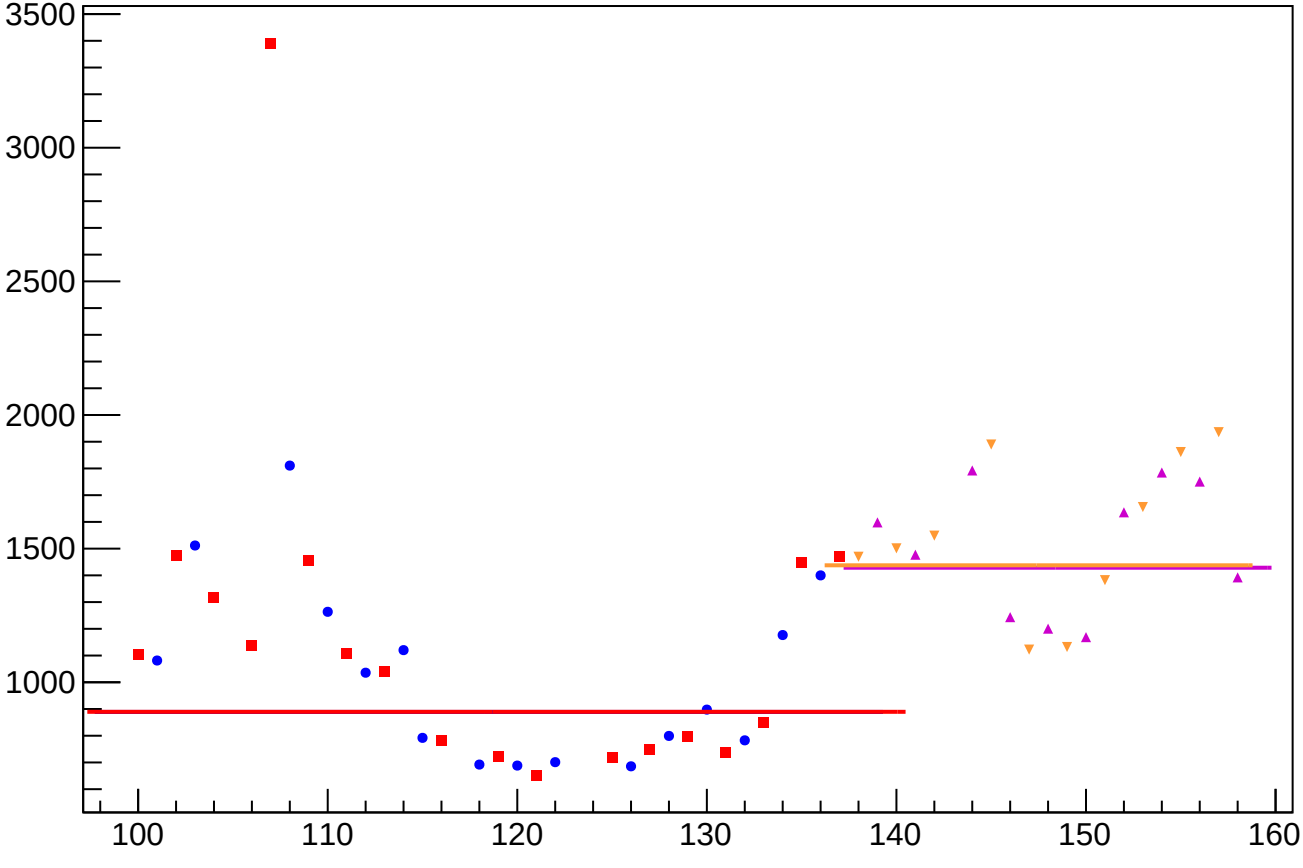
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 50.990+/-282.626 χ^2/NDF:26.3/25

Out: 103.681+/-288.315 χ^2/NDF:50.1/27

All: 76.810+/-201.828 χ^2/NDF: 76.4/53

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1437.620+/-0.371 χ^2/NDF:575885.0/9

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

Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

Left: 1432.814+/-0.254 χ^2/NDF: 1012745.1/19

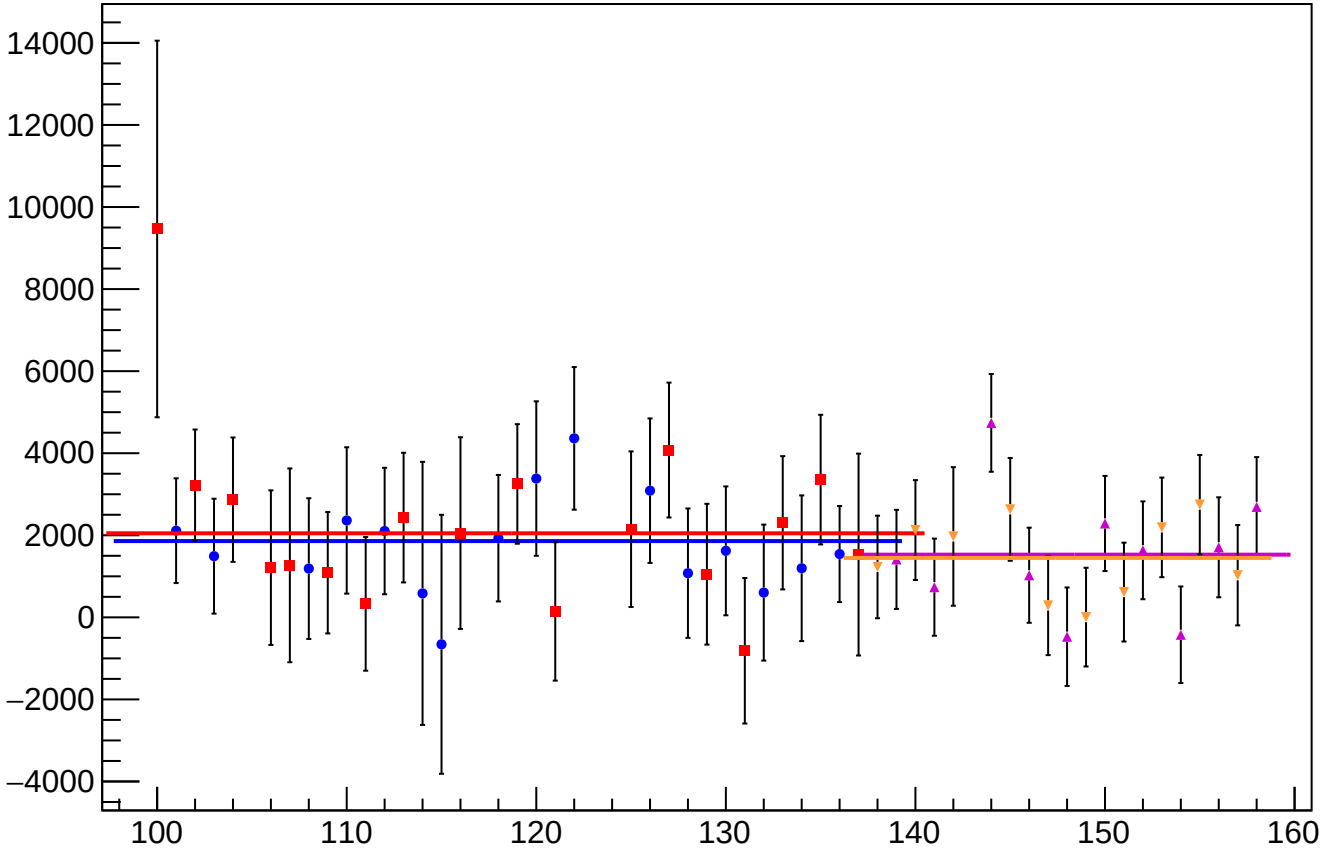
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1067.370+/-0.200 χ^2/NDF:3182989.1/25

Out: 1054.924+/-0.204 χ^2/NDF:3445002.0/27

All: 1061.271+/-0.143 χ^2/NDF: 6629891.9/53

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1448.474+/-395.358 χ^2/NDF:5.8/9

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

Left In: 1527.831+/-376.168 χ^2/NDF:14.8/9

Left: 1490.125+/-272.522 χ^2/NDF: 20.7/19

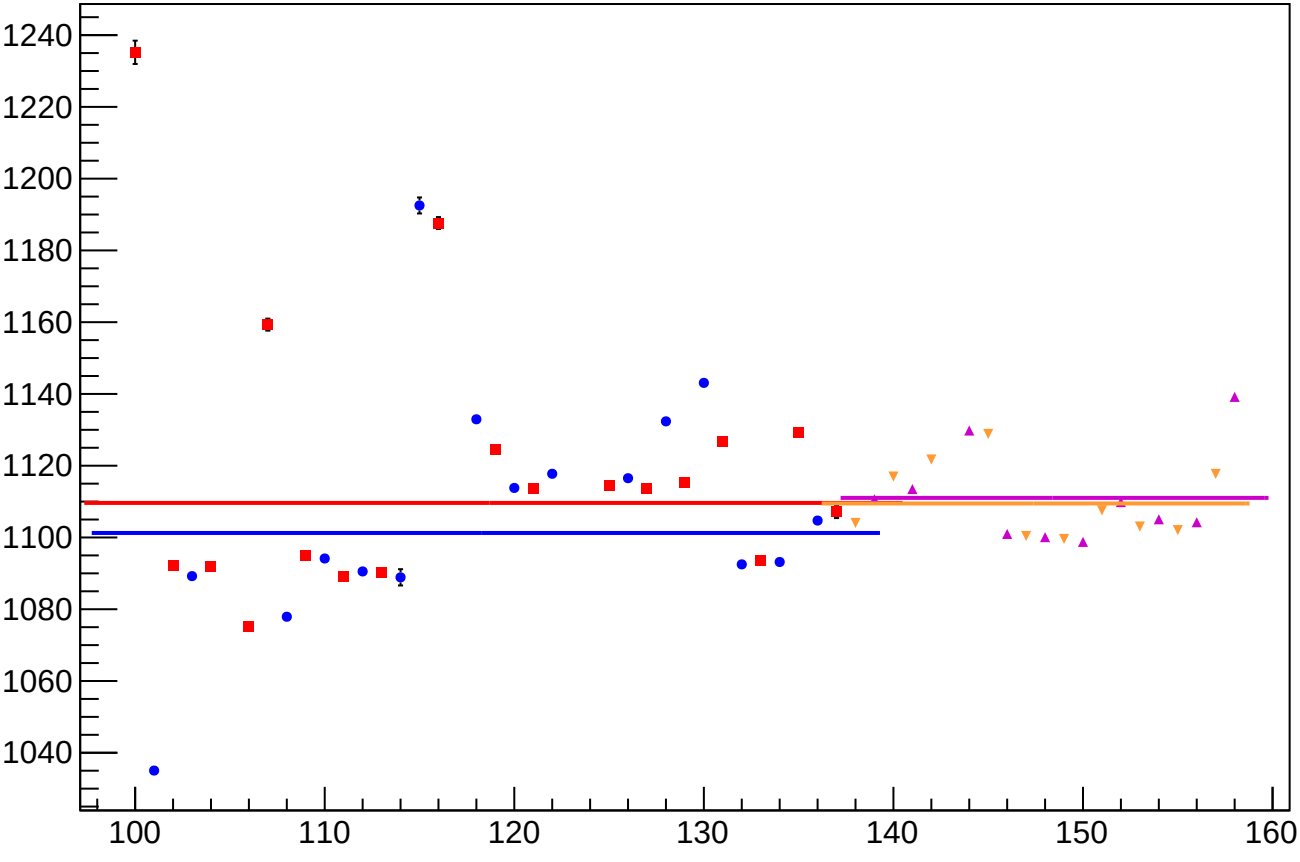
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1679.378+/-276.924 χ^2/NDF:20.6/25

Out: 1738.475+/-284.225 χ^2/NDF:19.7/27

All: 1708.158+/-198.346 χ^2/NDF: 40.3/53

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.476+/-0.280 χ^2/NDF:1173.1/9

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

Left In: 1111.034+/-0.266 χ^2/NDF:2239.1/9

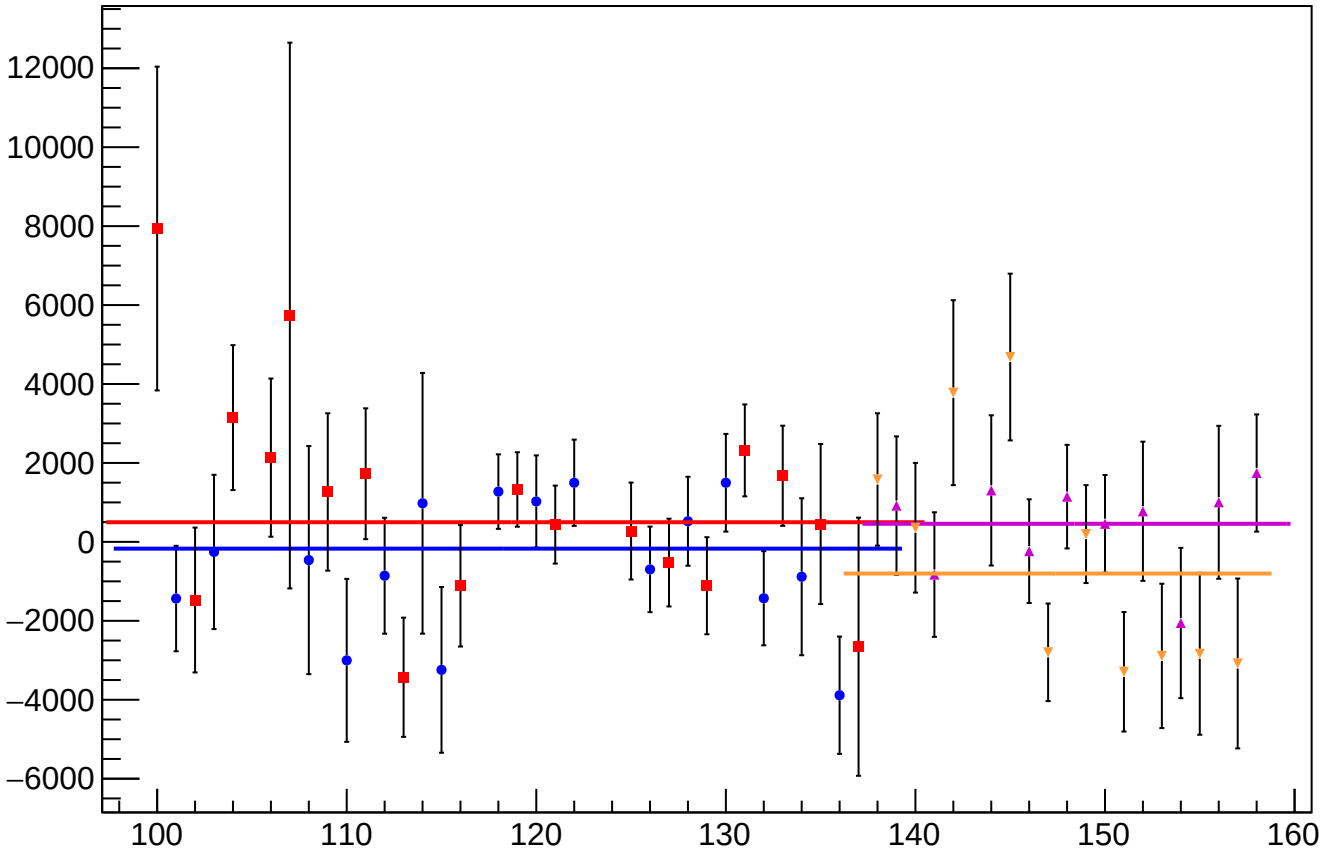
Left: 1110.294+/-0.193 χ^2/NDF: 3428.5/19

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

In: 1106.555+/-0.196 χ^2/NDF:14166.6/25

Out: 1109.550+/-0.201 χ^2/NDF:8846.3/27

All: 1108.013+/-0.140 χ^2/NDF: 23126.8/53



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

Left Out: -802.300+/-525.124 χ^2/NDF:22.5/9

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

Left In: 458.750+/-491.840 χ^2/NDF:4.1/9

Left: -130.547+/-358.973 χ^2/NDF: 29.6/19

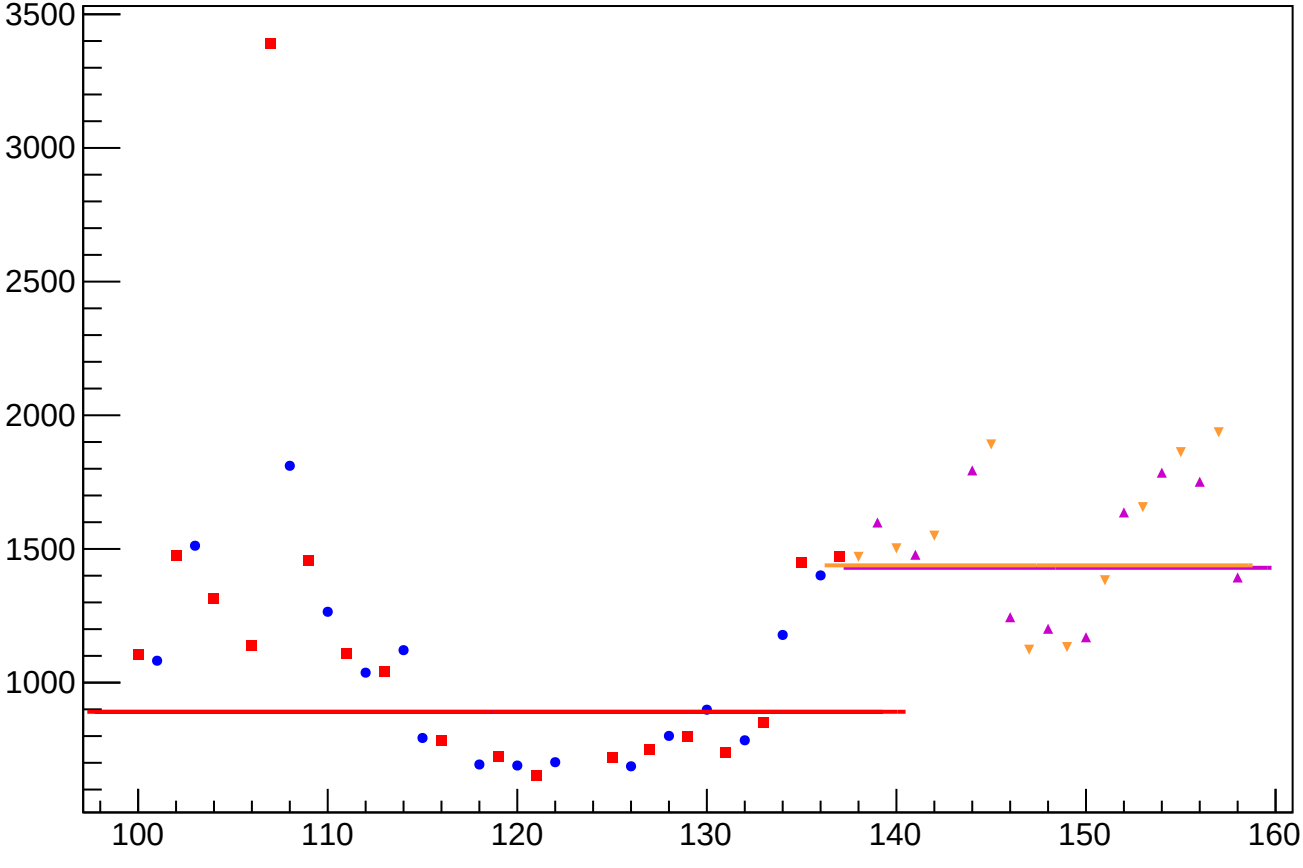
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: 37.512+/-282.980 χ^2/NDF:26.1/25

Out: 105.036+/-288.669 χ^2/NDF:50.7/27

All: 70.602+/-202.078 χ^2/NDF: 76.8/53

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1438.576+/-0.371 χ^2/NDF:575086.9/9

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

Left In: 1429.531+/-0.348 χ^2/NDF:435920.4/9

Left: 1433.758+/-0.254 χ^2/NDF: 1011323.4/19

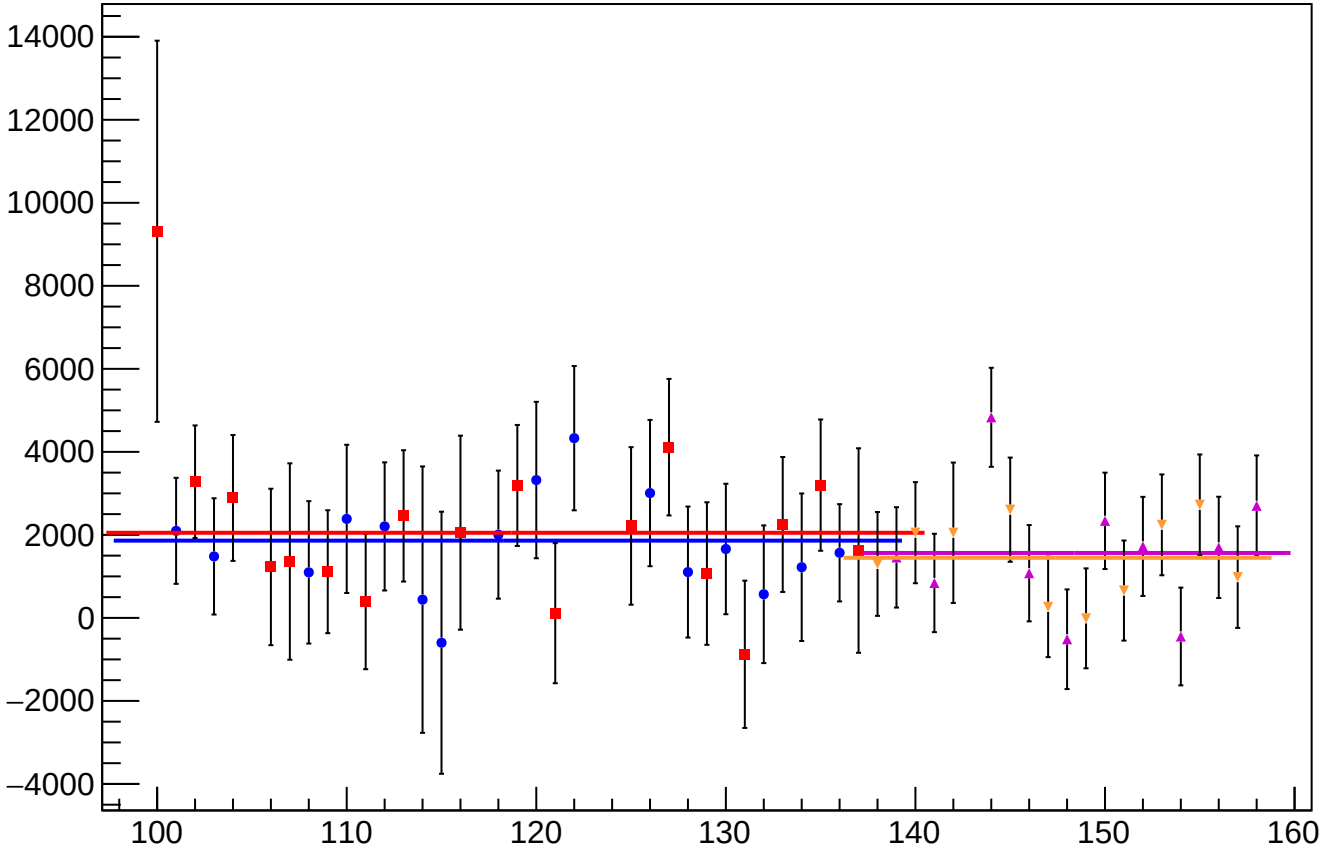
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1068.930+/-0.200 χ^2/NDF:3171703.3/25

Out: 1056.427+/-0.204 χ^2/NDF:3434754.1/27

All: 1062.803+/-0.143 χ^2/NDF: 6608370.8/53

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1447.939+/-395.787 χ^2/NDF:5.8/9

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

Left In: 1564.549+/-376.562 χ^2/NDF:15.3/9

Left: 1509.145+/-272.813 χ^2/NDF: 21.1/19

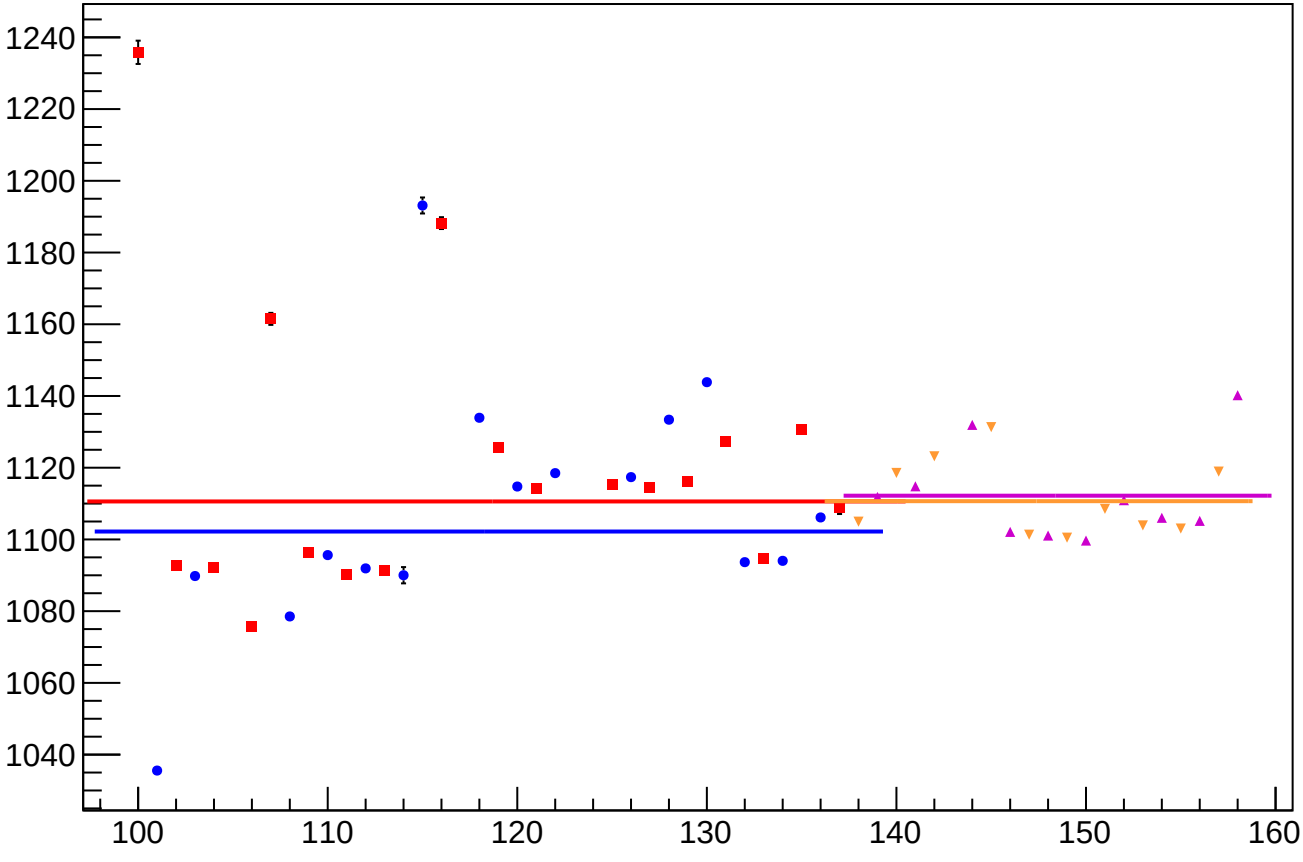
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1700.606+/-277.191 χ^2/NDF:21.0/25

Out: 1739.311+/-284.504 χ^2/NDF:19.4/27

All: 1719.455+/-198.539 χ^2/NDF: 40.4/53

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.668+/-0.280 χ^2/NDF:1276.3/9

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

Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

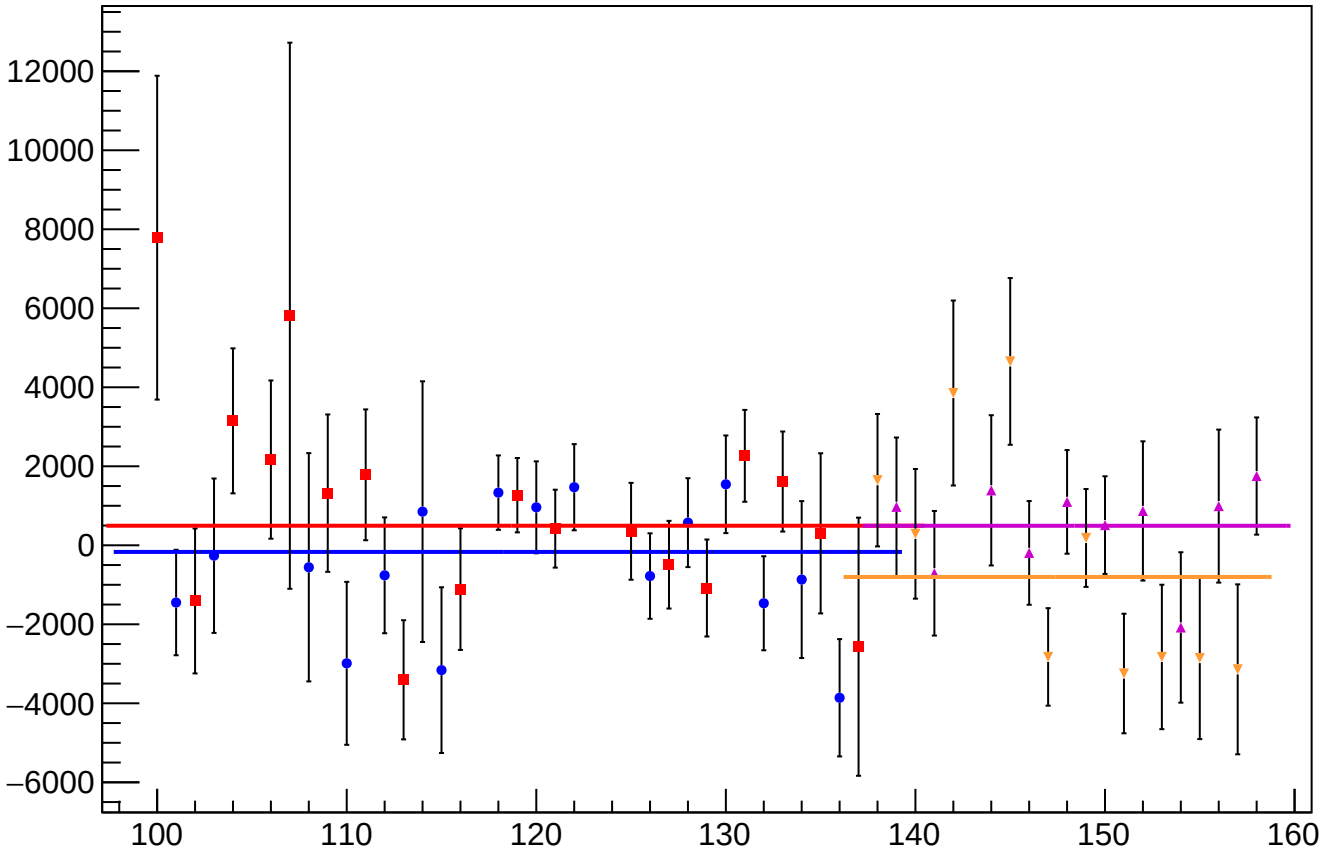
Left: 1111.470+/-0.193 χ^2/NDF: 3594.4/19

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

In: 1107.619+/-0.196 χ^2/NDF:14296.4/25

Out: 1110.631+/-0.201 χ^2/NDF:8972.4/27

All: 1109.086+/-0.140 χ^2/NDF: 23383.8/53



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

Left Out: -801.886+/-524.791 χ^2/NDF:22.6/9

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

Left In: 494.149+/-491.530 χ^2/NDF:4.0/9

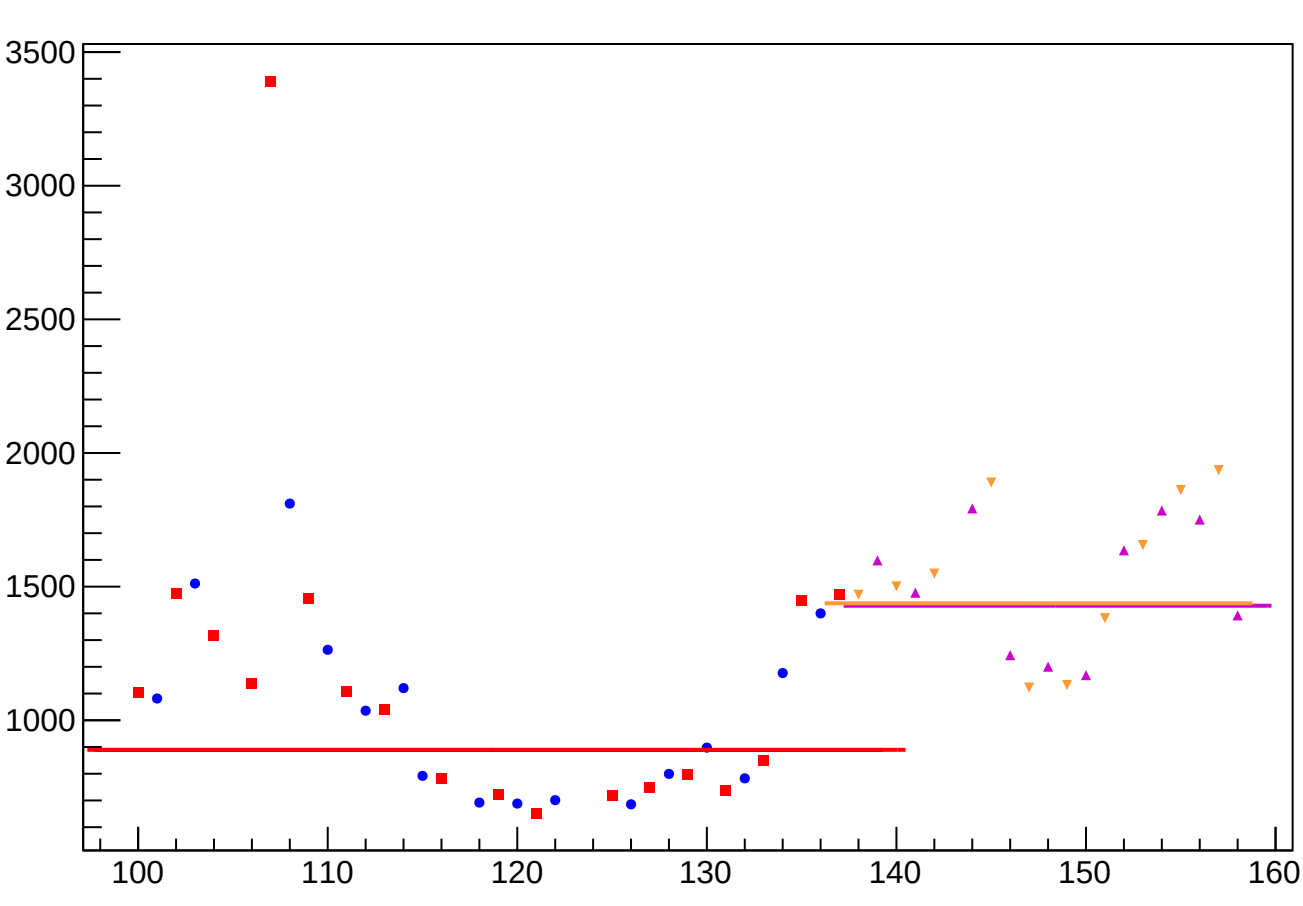
Left: -111.498+/-358.747 χ^2/NDF: 29.8/19

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

In: 50.990+/-282.626 χ^2/NDF:26.3/25

Out: 103.681+/-288.315 χ^2/NDF:50.1/27

All: 76.810+/-201.828 χ^2/NDF: 76.4/53



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

Left Out: 1437.620+/-0.371 χ^2/NDF:575885.0/9

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

Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

Left: 1432.814+/-0.254 χ^2/NDF: 1012745.1/19

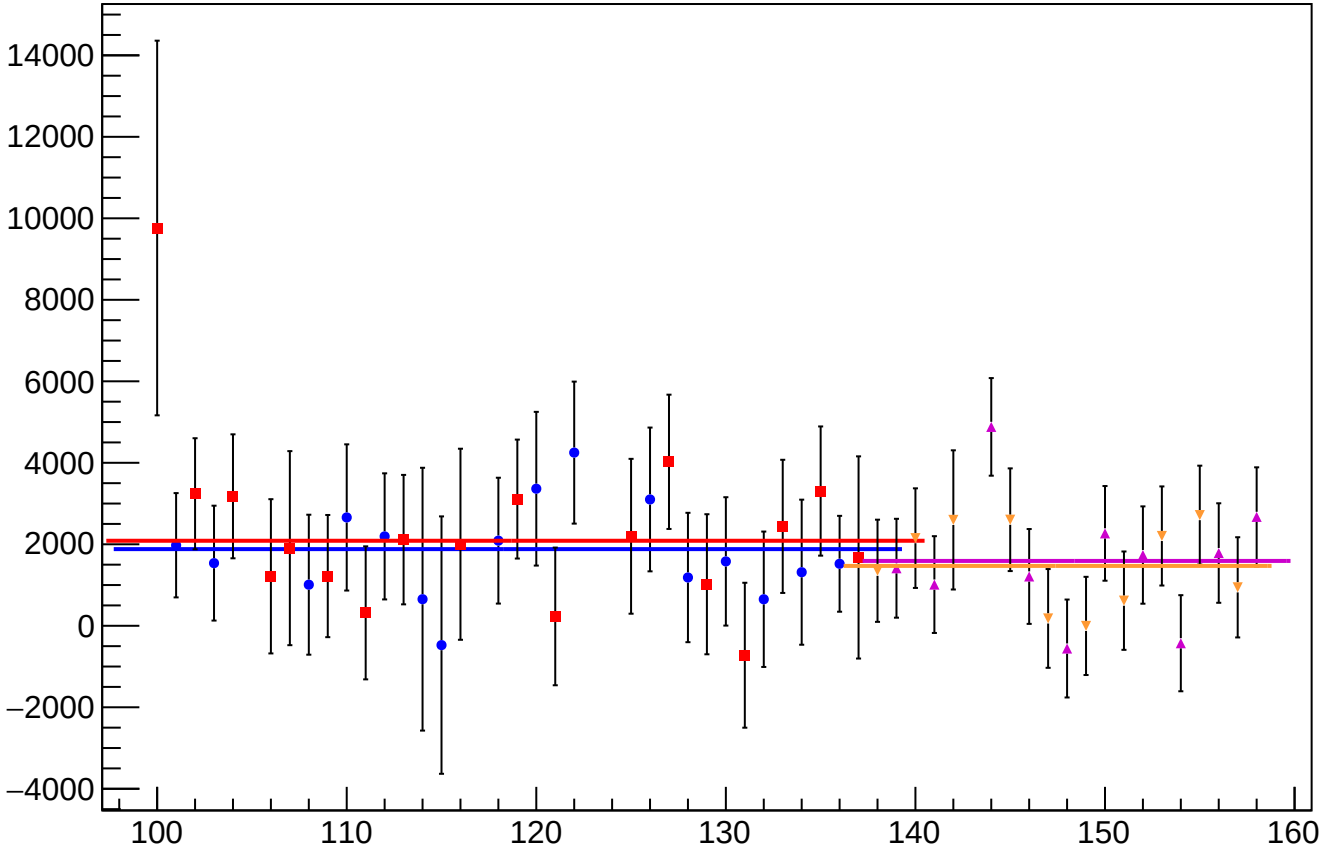
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1067.370+/-0.200 χ^2/NDF:3182989.1/25

Out: 1054.924+/-0.204 χ^2/NDF:3445002.0/27

All: 1061.271+/-0.143 χ^2/NDF: 6629891.9/53

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1469.340+/-396.798 χ^2/NDF:6.3/9

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

Left In: 1591.945+/-377.313 χ^2/NDF:15.2/9

Left: 1533.727+/-273.429 χ^2/NDF: 21.6/19

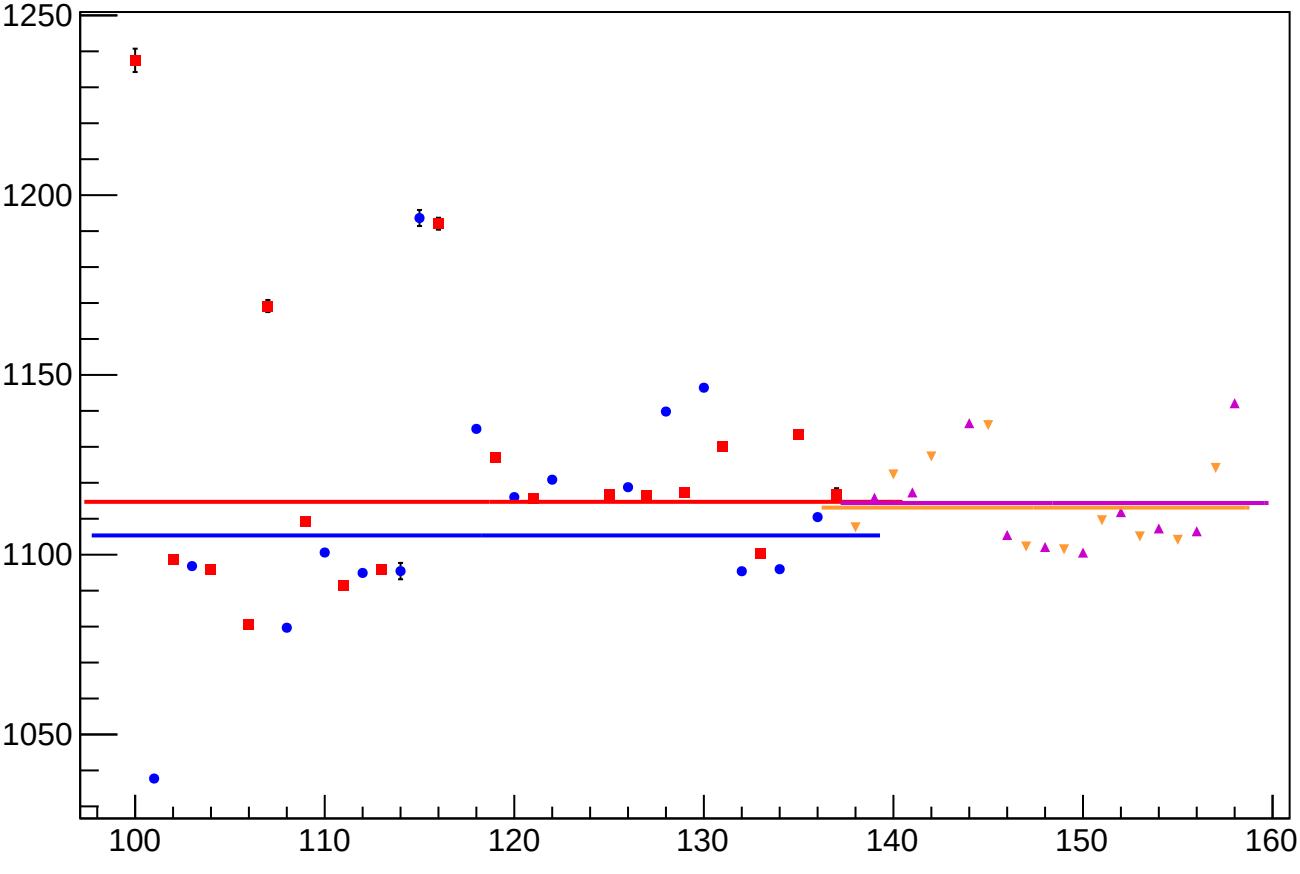
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1724.487+/-277.855 χ^2/NDF:20.7/25

Out: 1767.421+/-285.395 χ^2/NDF:19.8/27

All: 1745.379+/-199.086 χ^2/NDF: 40.5/53

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1113.096+/-0.281 χ^2/NDF:1672.3/9

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

Left In: 1114.377+/-0.267 χ^2/NDF:2514.4/9

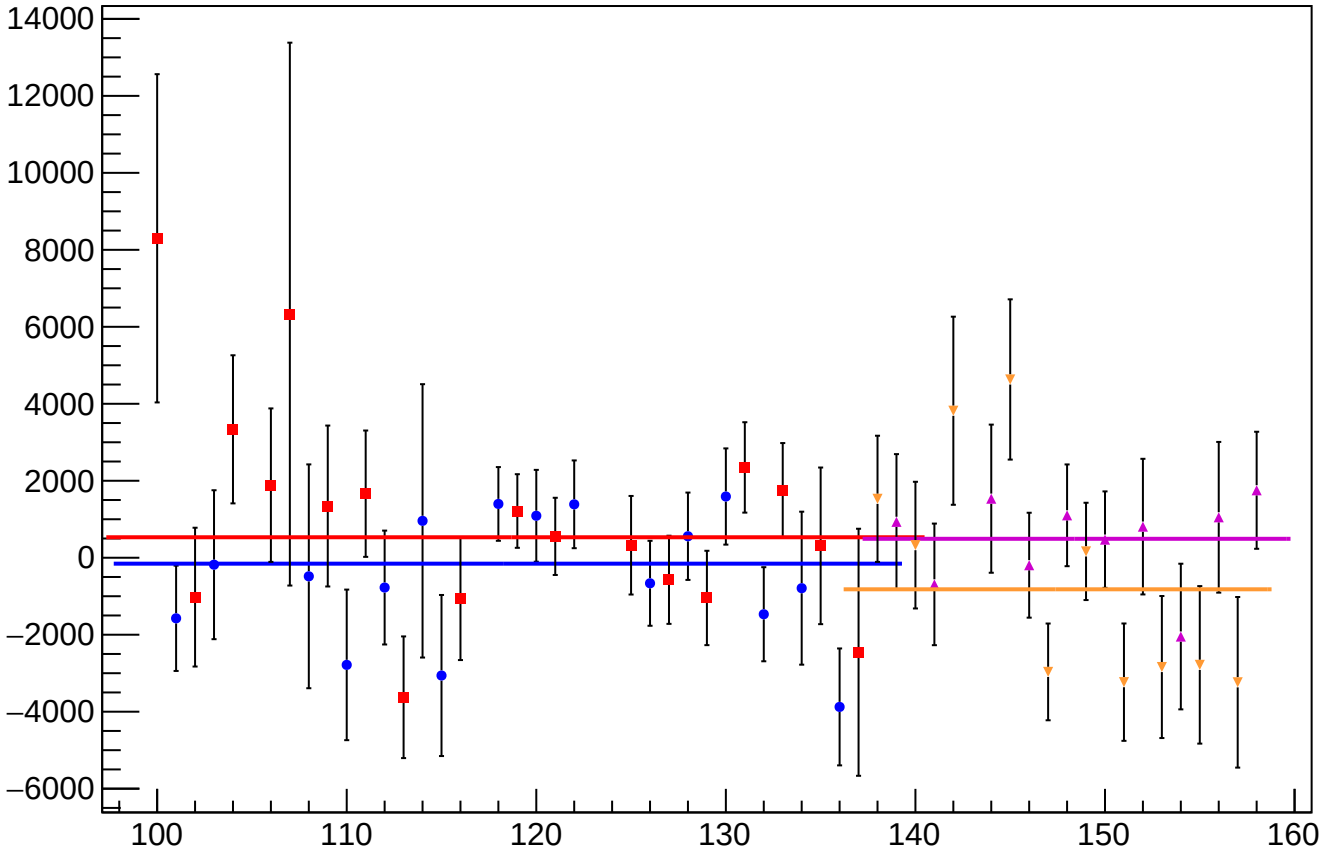
Left: 1113.769+/-0.193 χ^2/NDF: 4197.6/19

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

In: 1110.248+/-0.196 χ^2/NDF:14368.7/25

Out: 1113.873+/-0.202 χ^2/NDF:9018.5/27

All: 1112.012+/-0.141 χ^2/NDF: 23552.8/53



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

Left Out: -820.059+/-529.621 χ^2/NDF:22.3/9

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

Left In: 492.004+/-497.737 χ^2/NDF:4.0/9

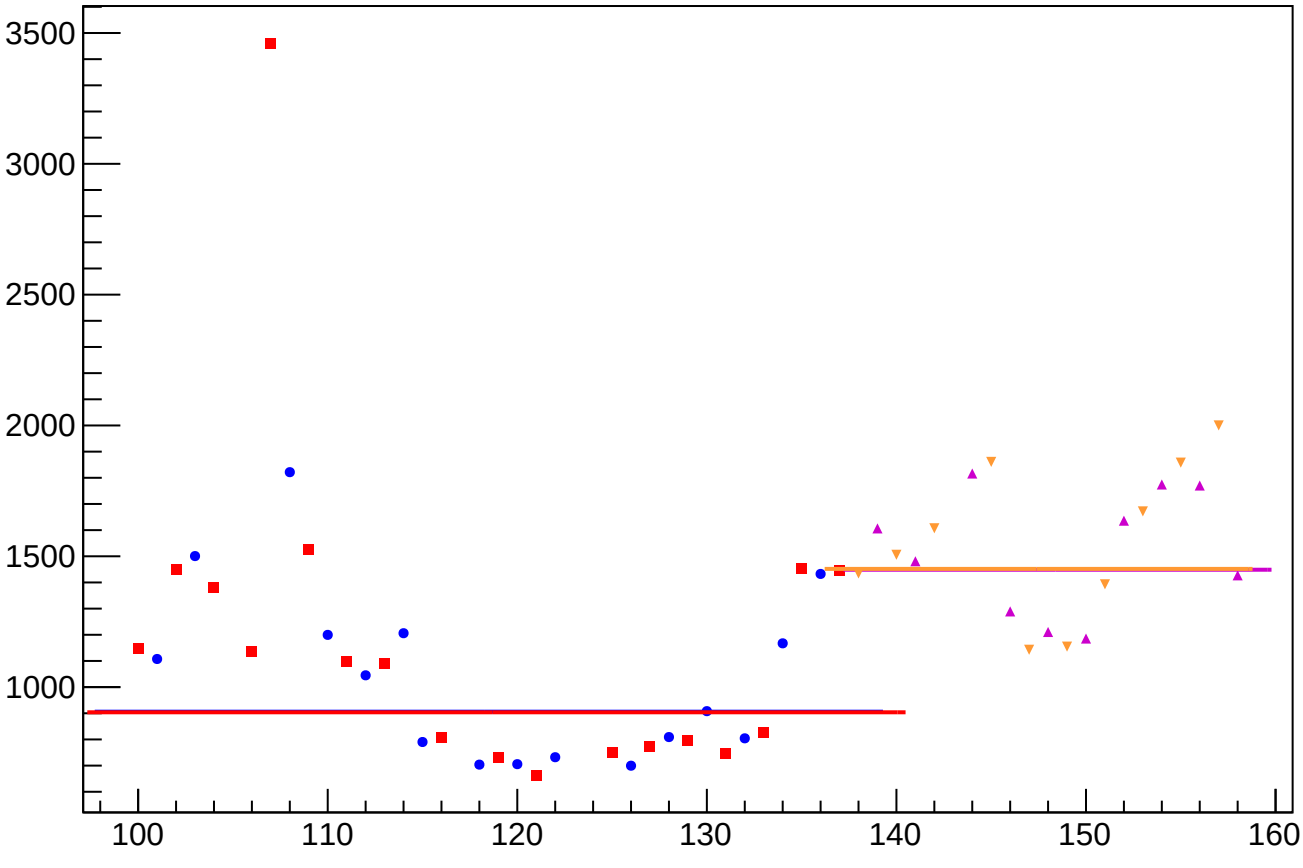
Left: -123.347+/-362.702 χ^2/NDF: 29.6/19

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

In: 60.816+/-287.022 χ^2/NDF:25.6/25

Out: 120.456+/-292.235 χ^2/NDF:50.1/27

All: 90.100+/-204.774 χ^2/NDF: 75.7/53



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

Left Out: 1451.821+/-0.374 χ^2/NDF:551658.3/9

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

Left In: 1448.649+/-0.352 χ^2/NDF:406573.1/9

Left: 1450.136+/-0.256 χ^2/NDF: 958269.5/19

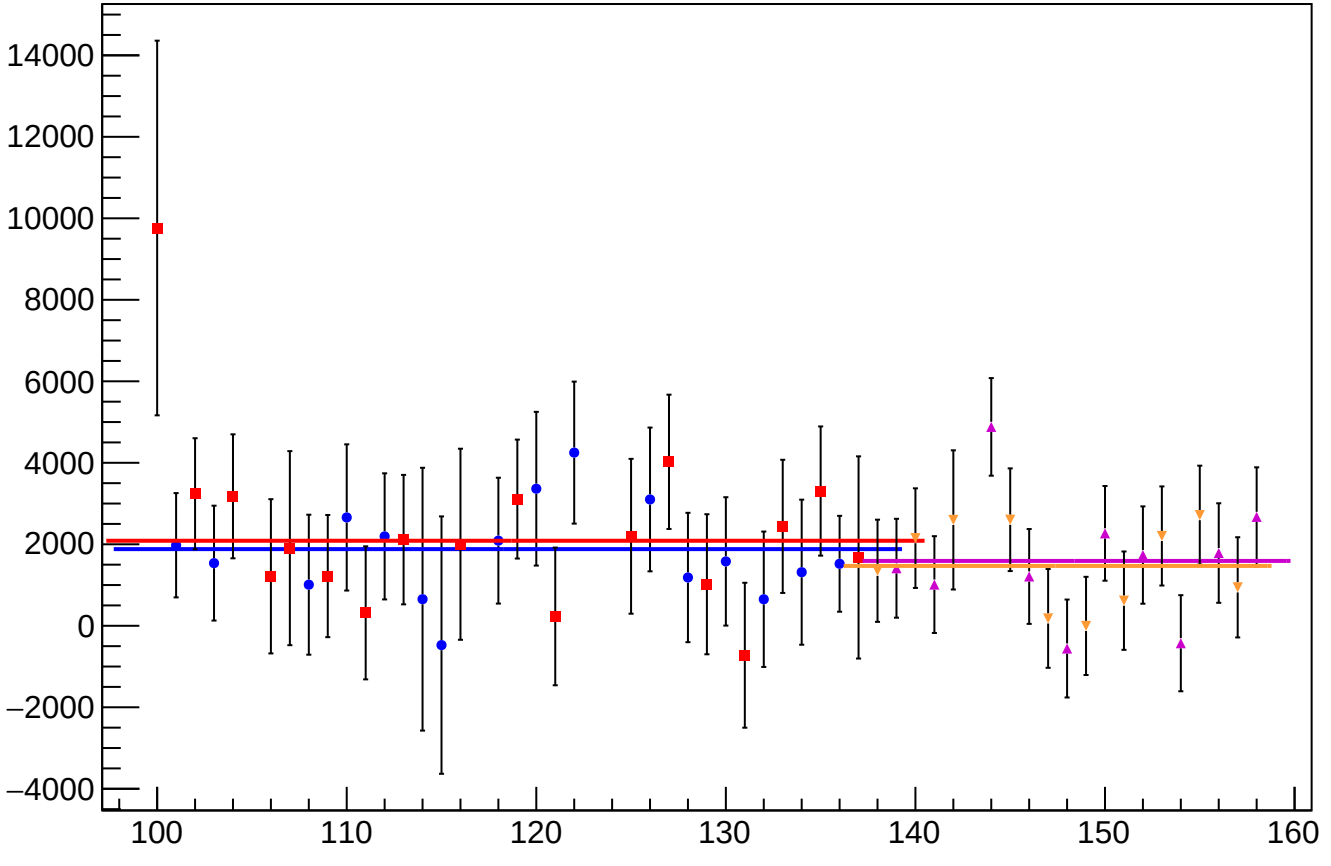
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1086.471+/-0.203 χ^2/NDF:3072512.8/25

Out: 1070.620+/-0.207 χ^2/NDF:3381302.1/27

All: 1078.688+/-0.145 χ^2/NDF: 6456810.0/53

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1469.335+/-396.798 χ^2/NDF:6.3/9

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

Left In: 1591.947+/-377.313 χ^2/NDF:15.2/9

Left: 1533.726+/-273.429 χ^2/NDF: 21.6/19

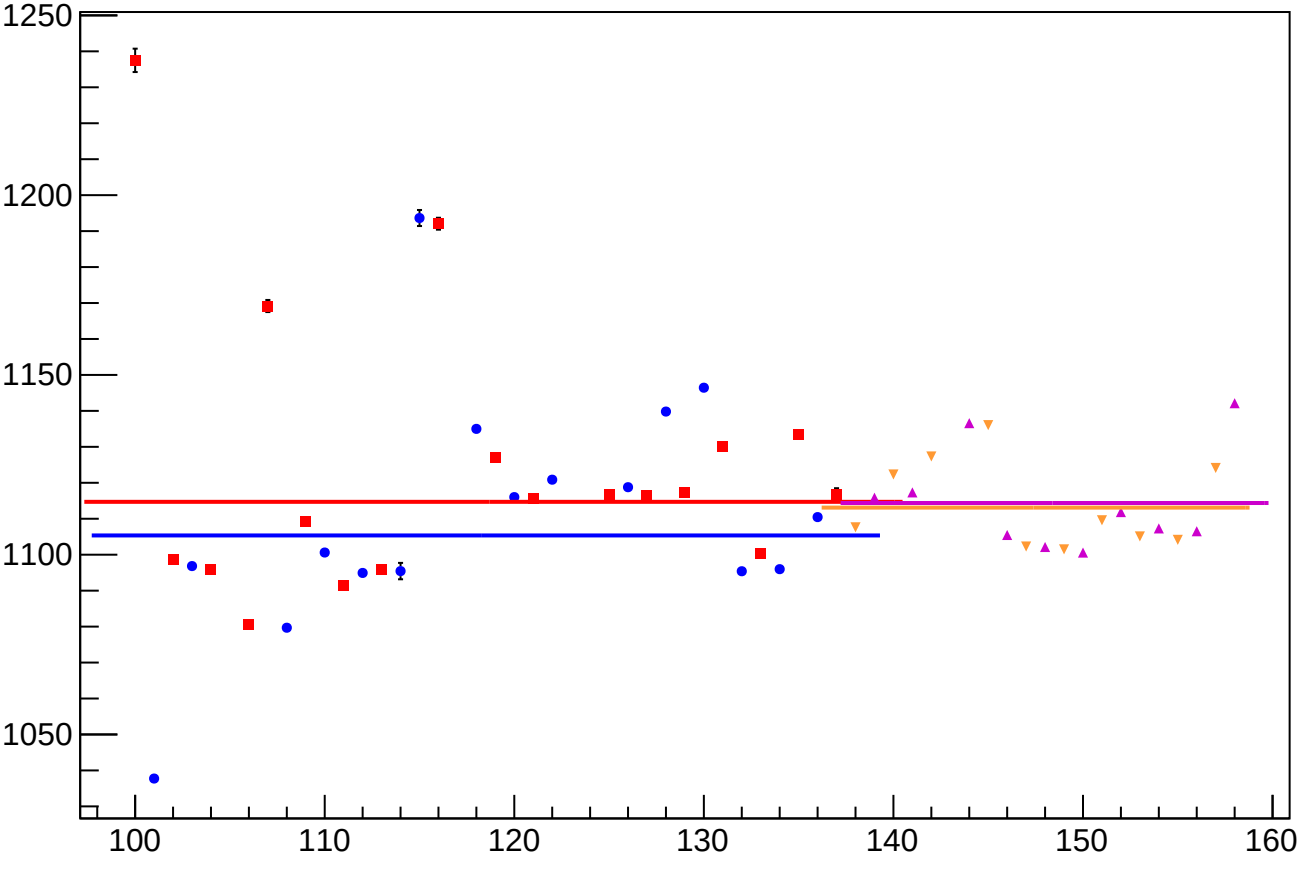
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1724.488+/-277.855 χ^2/NDF:20.7/25

Out: 1767.417+/-285.395 χ^2/NDF:19.8/27

All: 1745.378+/-199.086 χ^2/NDF: 40.5/53

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1113.096+/-0.281 χ^2/NDF:1672.3/9

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

Left In: 1114.377+/-0.267 χ^2/NDF:2514.4/9

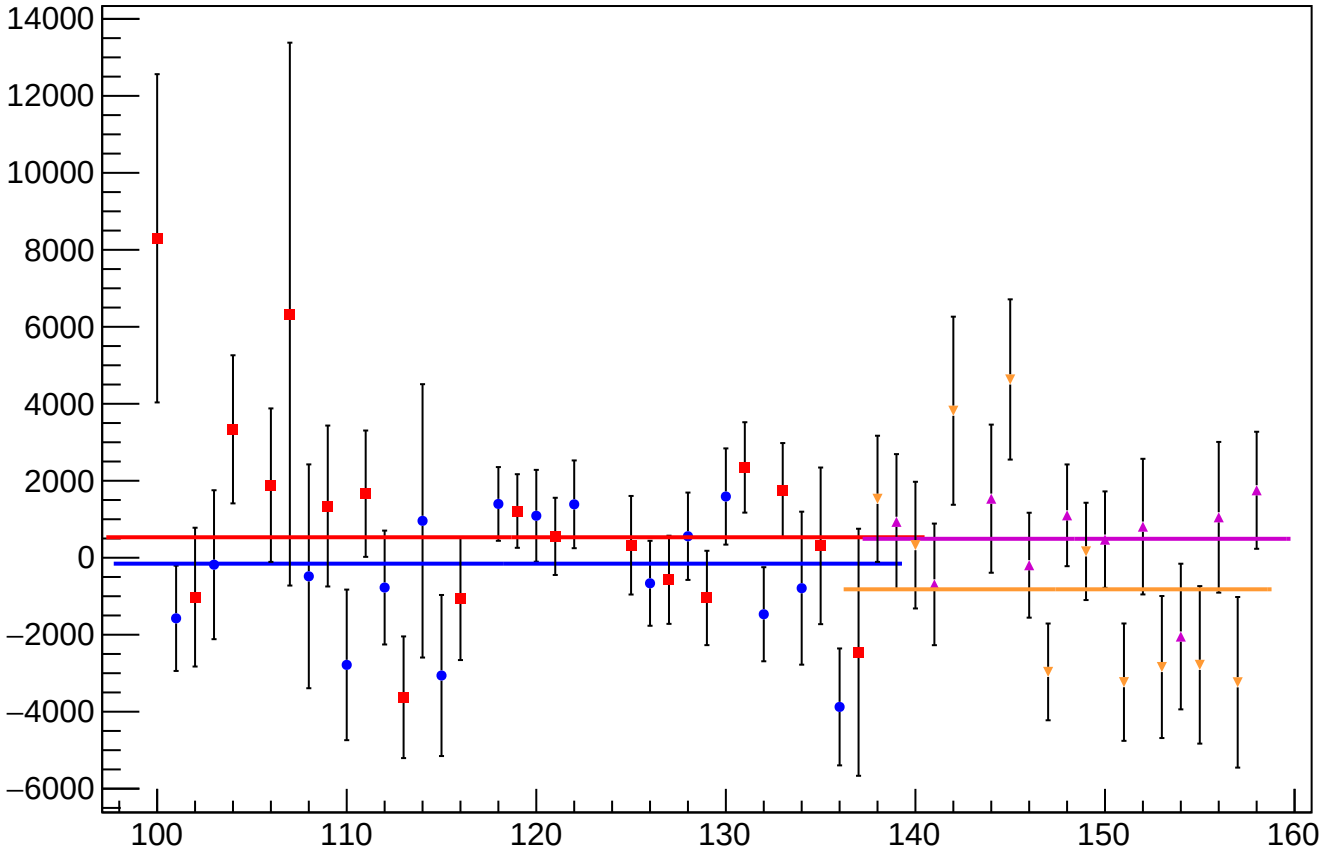
Left: 1113.769+/-0.193 χ^2/NDF: 4197.6/19

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

In: 1110.248+/-0.196 χ^2/NDF:14368.7/25

Out: 1113.873+/-0.202 χ^2/NDF:9018.4/27

All: 1112.012+/-0.141 χ^2/NDF: 23552.7/53



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

Left Out: -820.064+/-529.622 χ^2/NDF:22.3/9

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

Left In: 492.006+/-497.738 χ^2/NDF:4.0/9

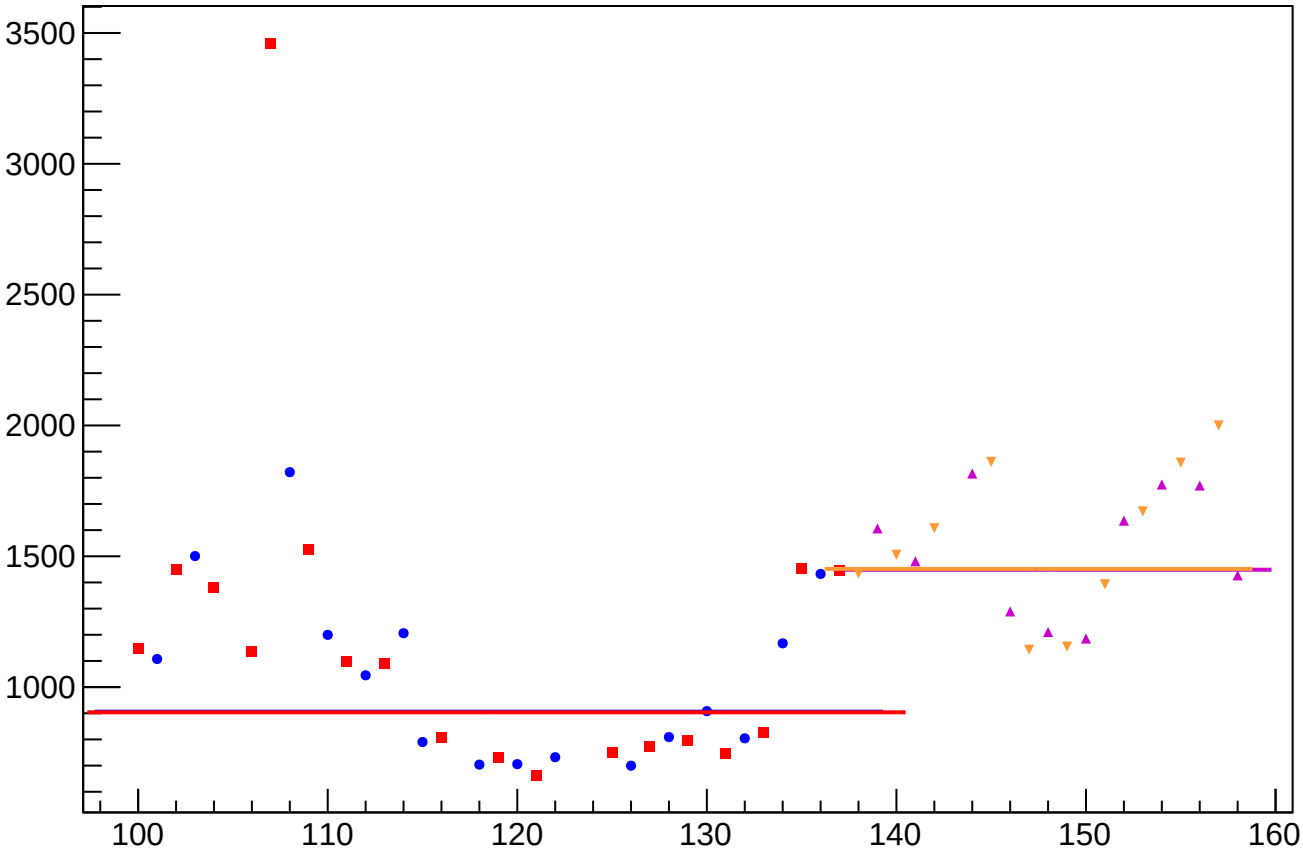
Left: -123.348+/-362.702 χ^2/NDF: 29.6/19

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

In: 60.817+/-287.022 χ^2/NDF:25.6/25

Out: 120.456+/-292.235 χ^2/NDF:50.1/27

All: 90.100+/-204.774 χ^2/NDF: 75.7/53



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

Left Out: 1451.823+/-0.374 χ^2/NDF:551655.8/9

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

Left In: 1448.651+/-0.352 χ^2/NDF:406570.2/9

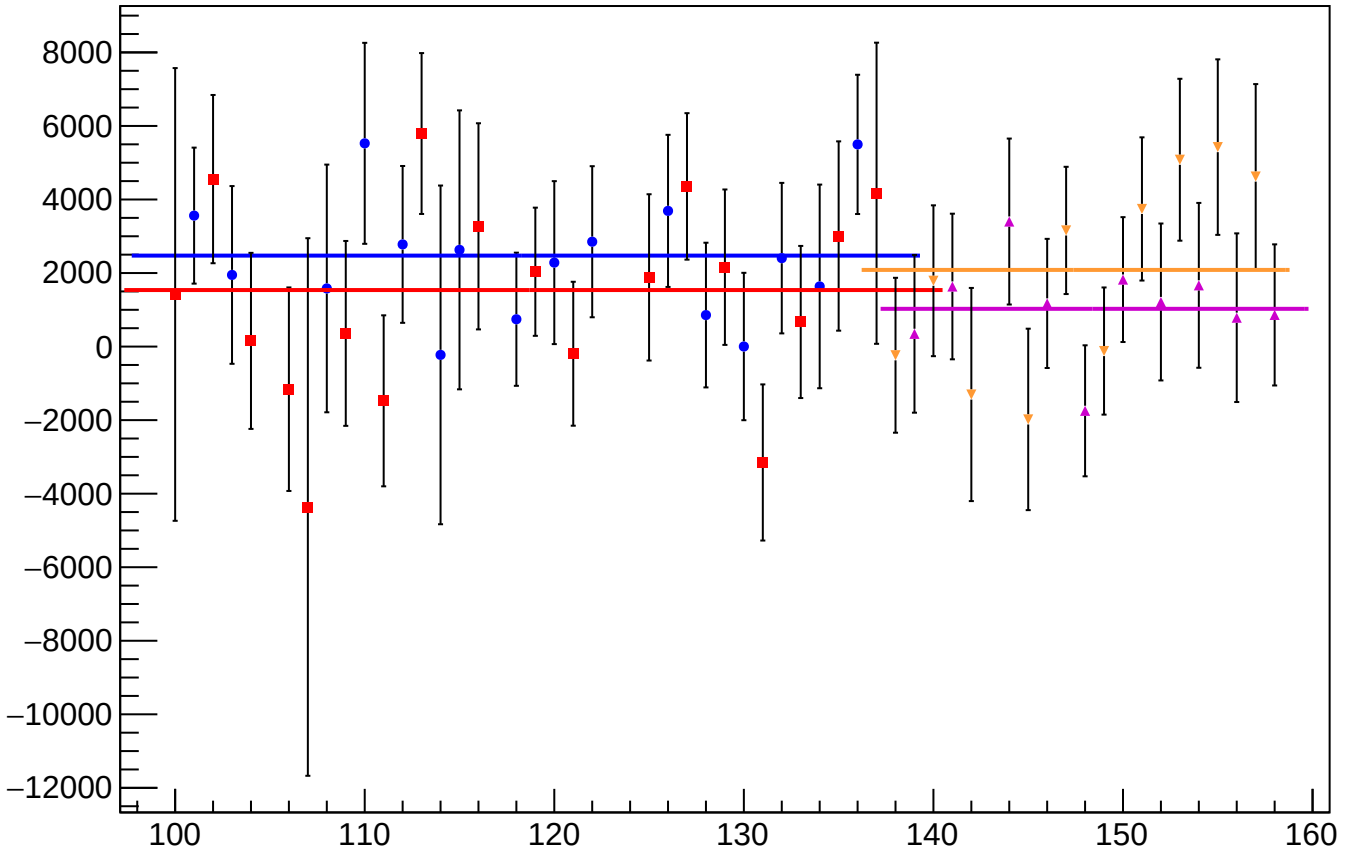
Left: 1450.139+/-0.256 χ^2/NDF: 958264.1/19

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

In: 1086.470+/-0.203 χ^2/NDF:3072537.5/25

Out: 1070.618+/-0.207 χ^2/NDF:3381325.6/27

All: 1078.686+/-0.145 χ^2/NDF: 6456858.3/53



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

Left Out: 2084.880+/-671.329 χ^2/NDF:12.9/9

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

Left In: 1026.763+/-628.004 χ^2/NDF:4.1/9

Left: 1520.579+/-458.618 χ^2/NDF: 18.3/19

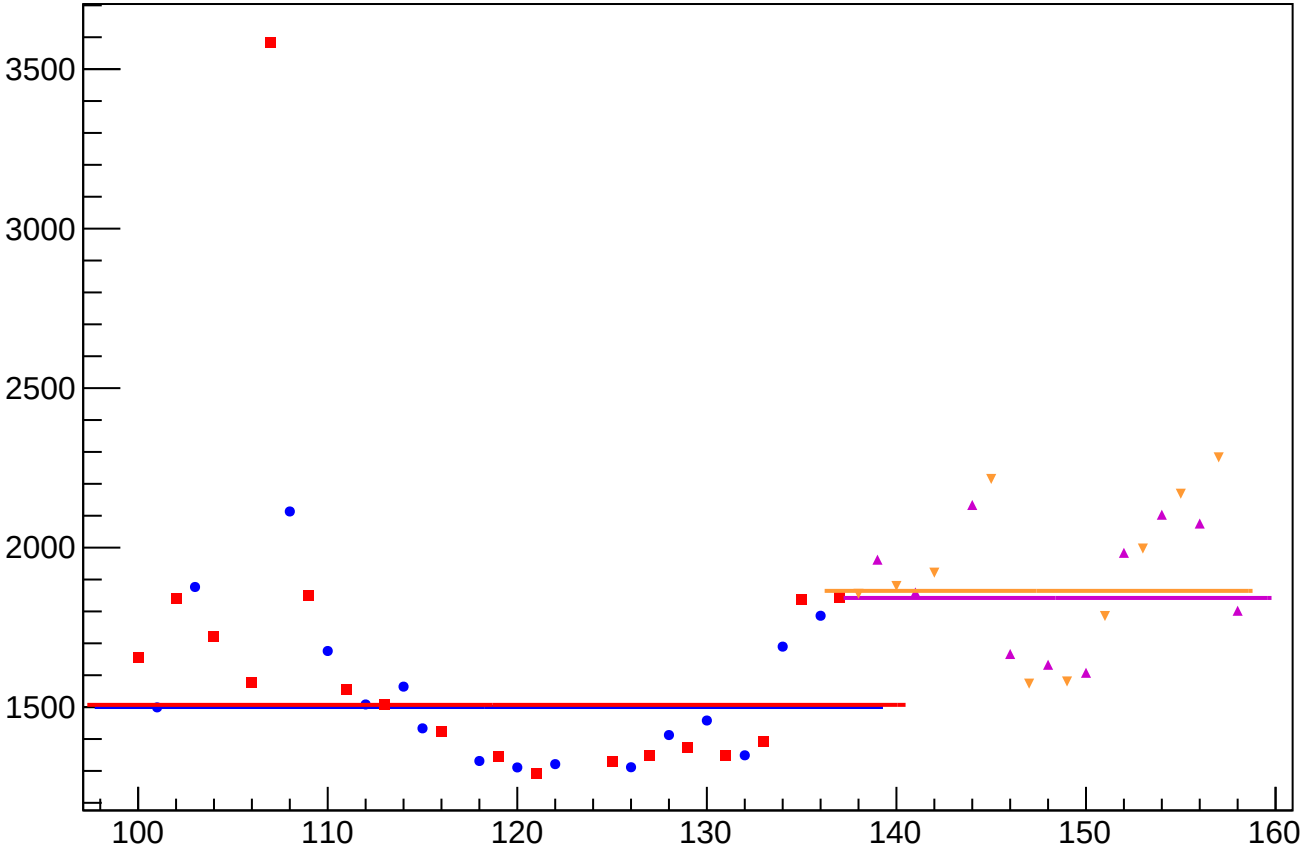
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1829.431+/-419.121 χ^2/NDF:15.2/25

Out: 1763.742+/-431.632 χ^2/NDF:31.8/27

All: 1797.552+/-300.689 χ^2/NDF: 47.0/53

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1864.445+/-0.475 χ^2/NDF:250378.5/9

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

Left In: 1842.226+/-0.444 χ^2/NDF:183069.5/9

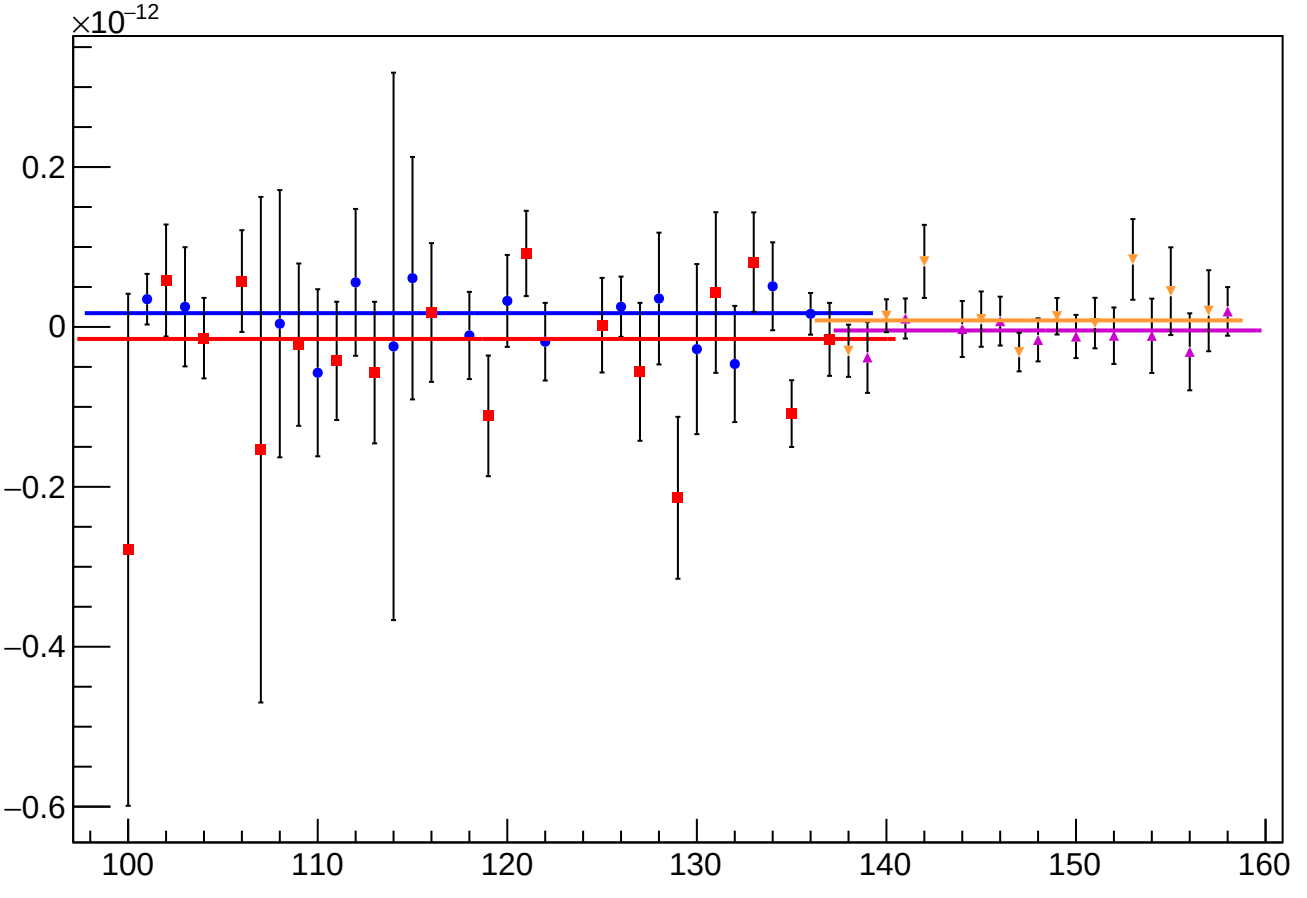
Left: 1852.595+/-0.324 χ^2/NDF: 434616.4/19

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

In: 1652.638+/-0.296 χ^2/NDF:770525.5/25

Out: 1654.820+/-0.305 χ^2/NDF:984029.6/27

All: 1653.697+/-0.213 χ^2/NDF: 1754581.4/53



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

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/9

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

Left In: -0.000+/-0.000 χ^2/NDF:2.3/9

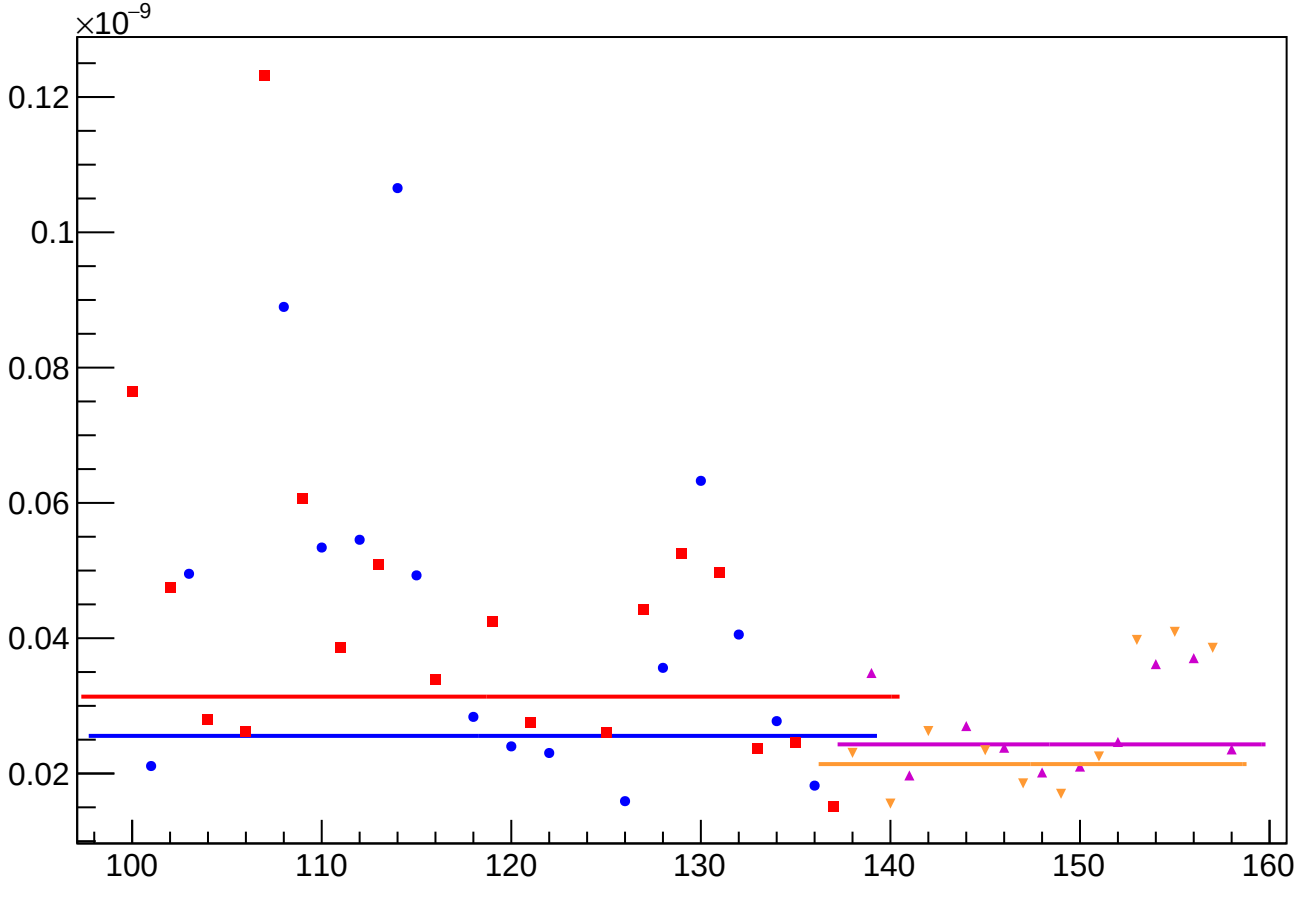
Left: 0.000+/-0.000 χ^2/NDF: 12.7/19

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:7.3/25

Out: 0.000+/-0.000 χ^2/NDF:32.4/27

All: 0.000+/-0.000 χ^2/NDF: 39.8/53



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

Left Out: 0.000+/-0.000 χ^2/NDF:1049642.2/9

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

Left In: 0.000+/-0.000 χ^2/NDF:541516.8/9

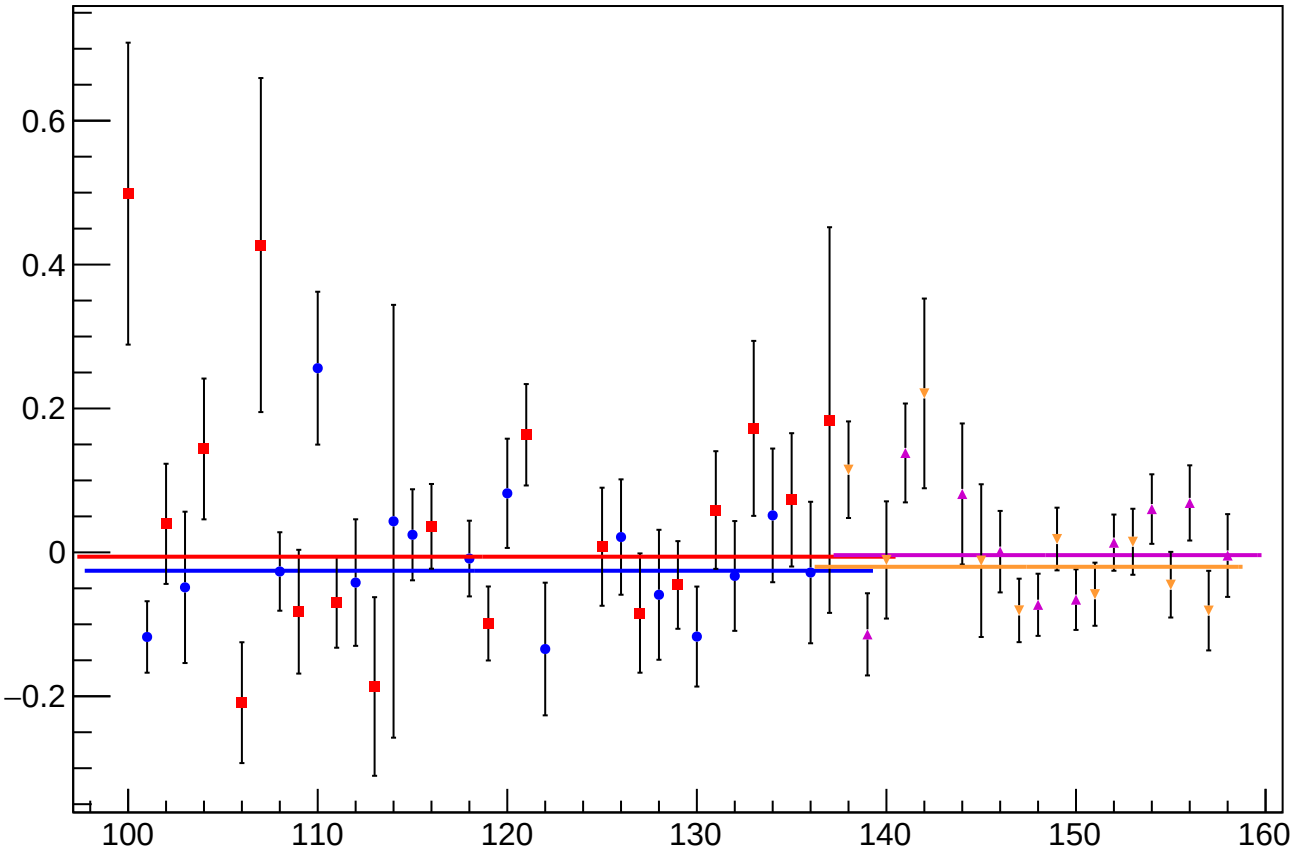
Left: 0.000+/-0.000 χ^2/NDF: 1675454.0/19

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

In: 0.000+/-0.000 χ^2/NDF:2260271.7/25

Out: 0.000+/-0.000 χ^2/NDF:2837148.6/27

All: 0.000+/-0.000 χ^2/NDF: 5103943.1/53



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

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

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

Left In: -0.004+/-0.016 χ^2/NDF:17.3/9

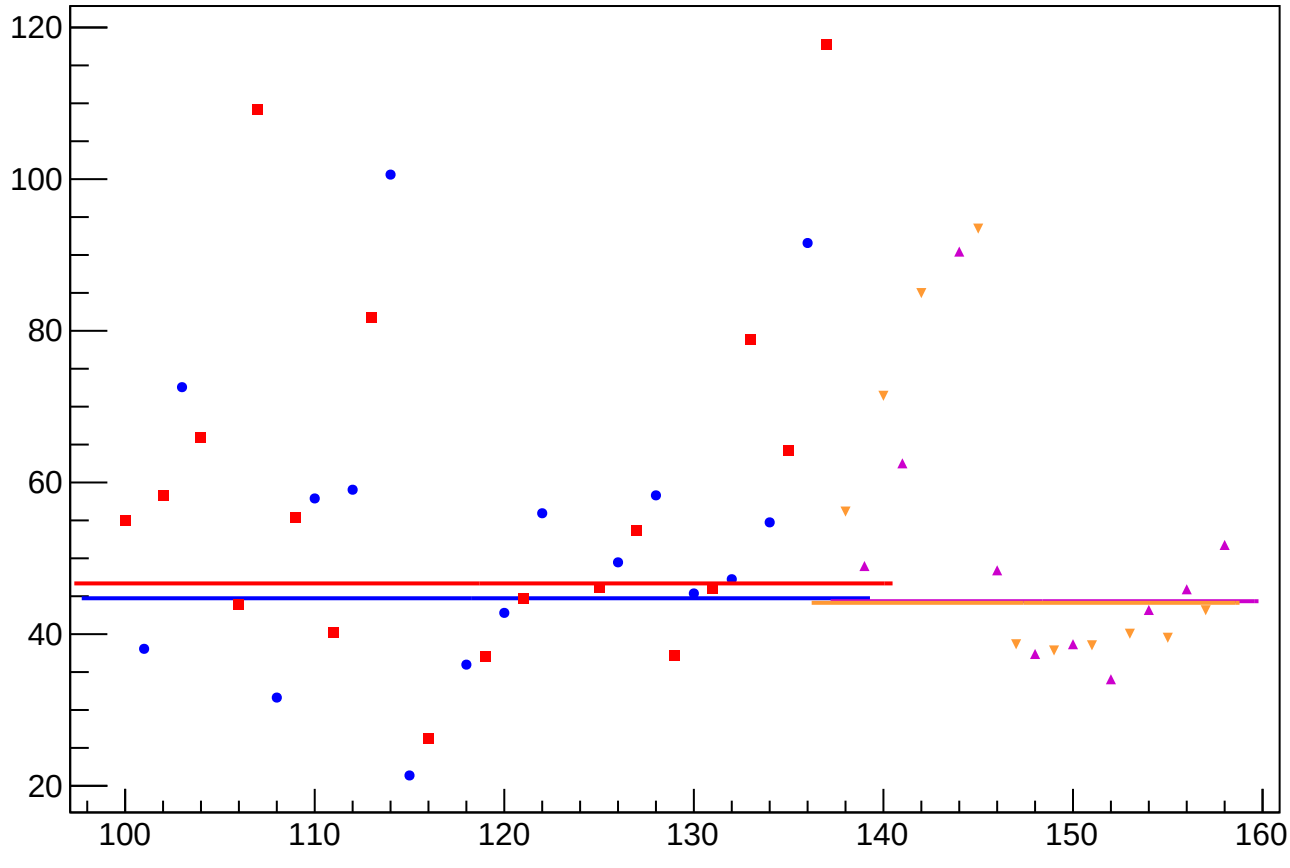
Left: -0.011+/-0.012 χ^2/NDF: 30.7/19

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

In: -0.013+/-0.012 χ^2/NDF:35.7/25

Out: -0.014+/-0.013 χ^2/NDF:49.7/27

All: -0.013+/-0.009 χ^2/NDF: 85.5/53



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

Left Out: 44.134+/-0.012 χ^2/NDF:1054605.0/9

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

Left In: 44.344+/-0.011 χ^2/NDF:869429.0/9

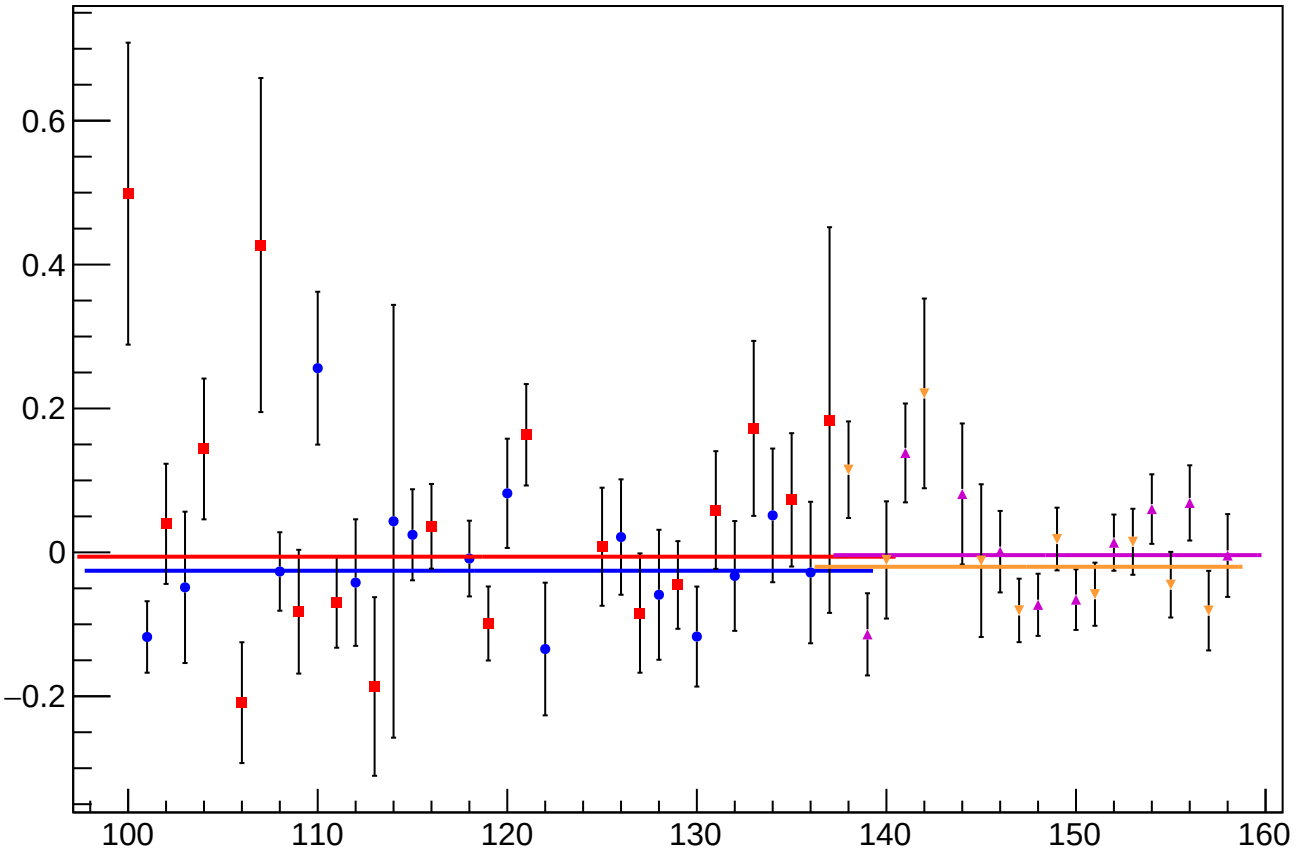
Left: 44.245+/-0.008 χ^2/NDF: 1924191.1/19

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

In: 44.511+/-0.009 χ^2/NDF:2204461.7/25

Out: 45.263+/-0.009 χ^2/NDF:2269475.3/27

All: 44.869+/-0.006 χ^2/NDF: 4477508.2/53



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

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

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

Left In: -0.004+/-0.016 χ^2/NDF:17.3/9

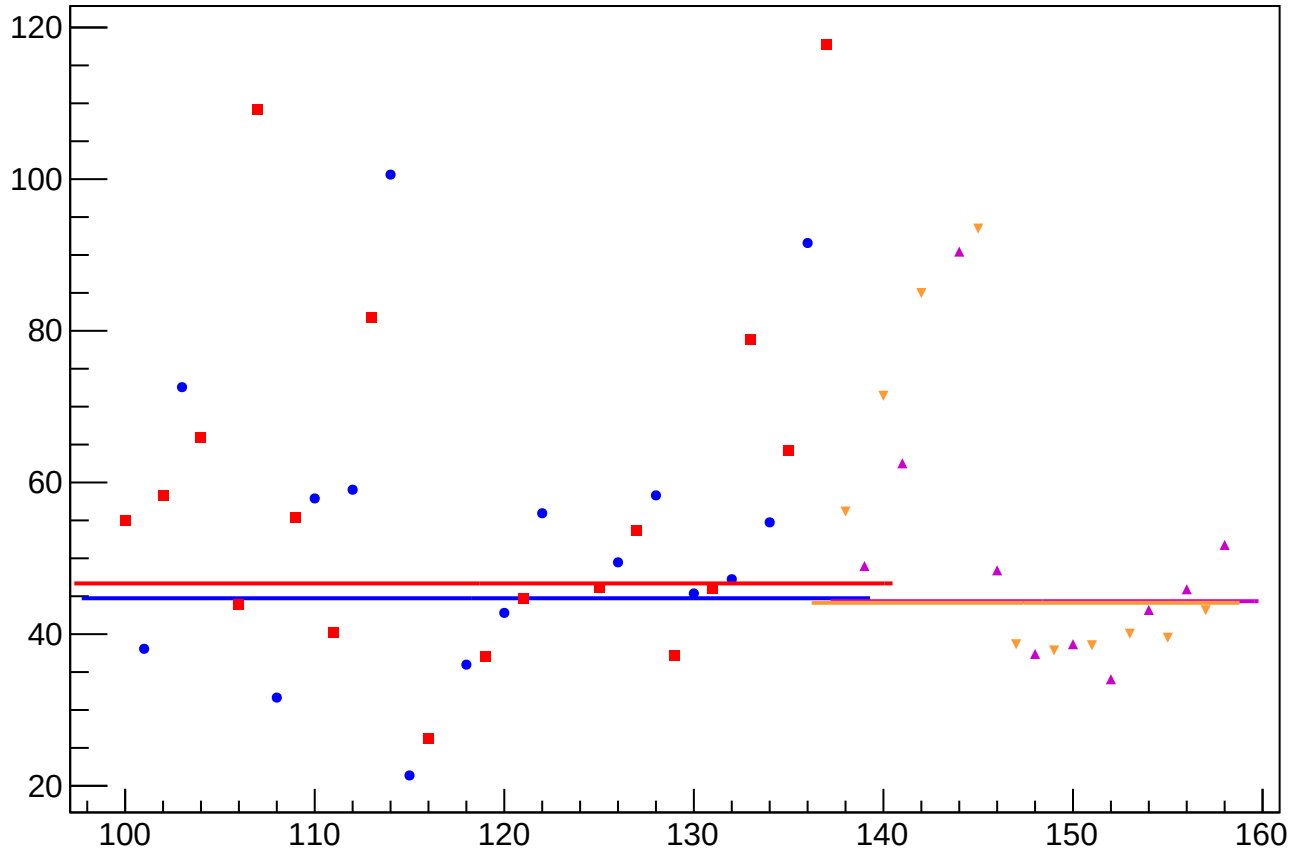
Left: -0.011+/-0.012 χ^2/NDF: 30.7/19

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

In: -0.013+/-0.012 χ^2/NDF:35.7/25

Out: -0.014+/-0.013 χ^2/NDF:49.7/27

All: -0.013+/-0.009 χ^2/NDF: 85.5/53



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

Left Out: 44.134+/-0.012 χ^2/NDF:1054605.0/9

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

Left In: 44.344+/-0.011 χ^2/NDF:869429.0/9

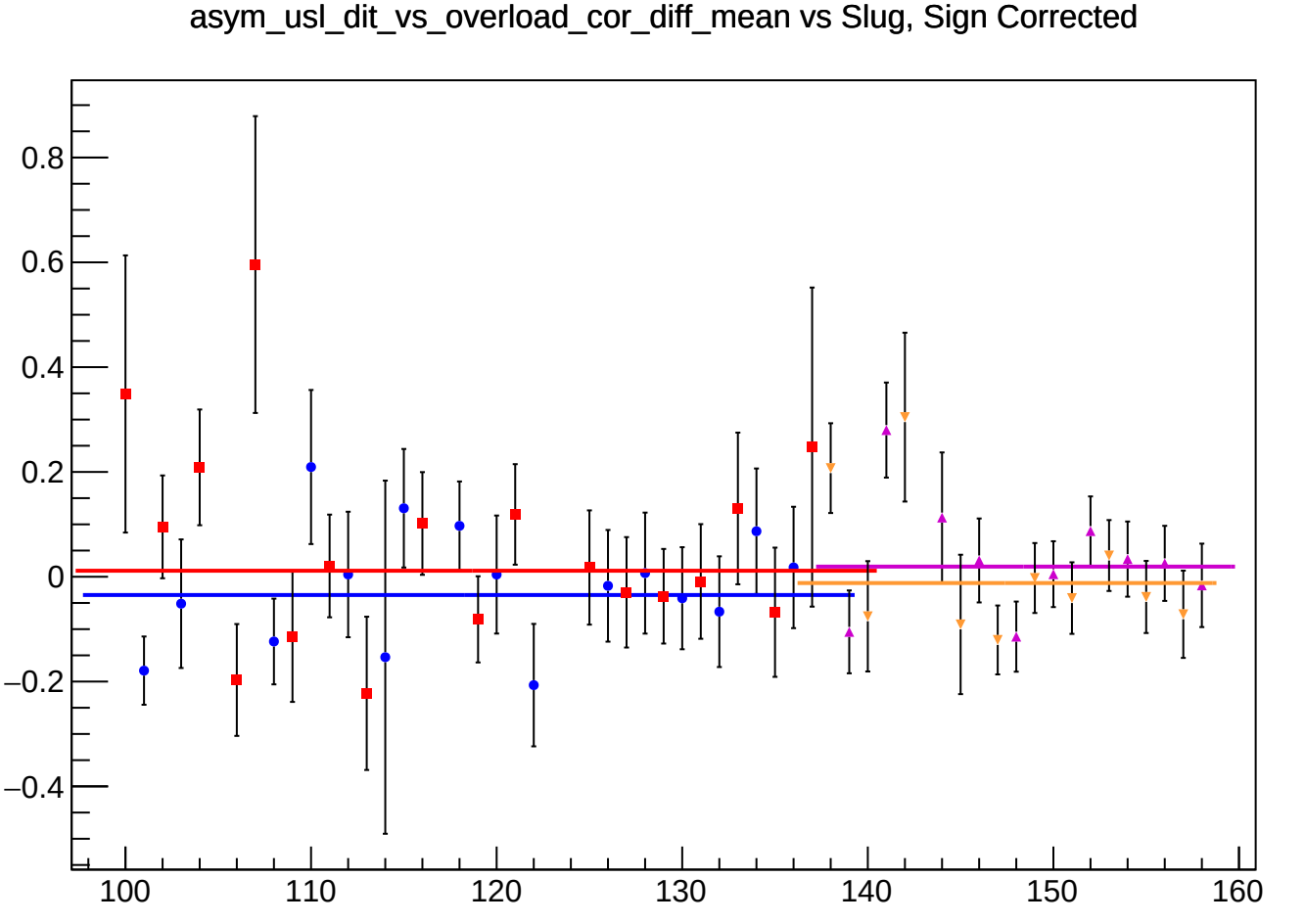
Left: 44.245+/-0.008 χ^2/NDF: 1924191.1/19

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

In: 44.511+/-0.009 χ^2/NDF:2204461.7/25

Out: 45.263+/-0.009 χ^2/NDF:2269475.3/27

All: 44.869+/-0.006 χ^2/NDF: 4477508.2/53



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.012+/-0.025 χ^2/NDF:15.3/9

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.019+/-0.024 χ^2/NDF:16.7/9

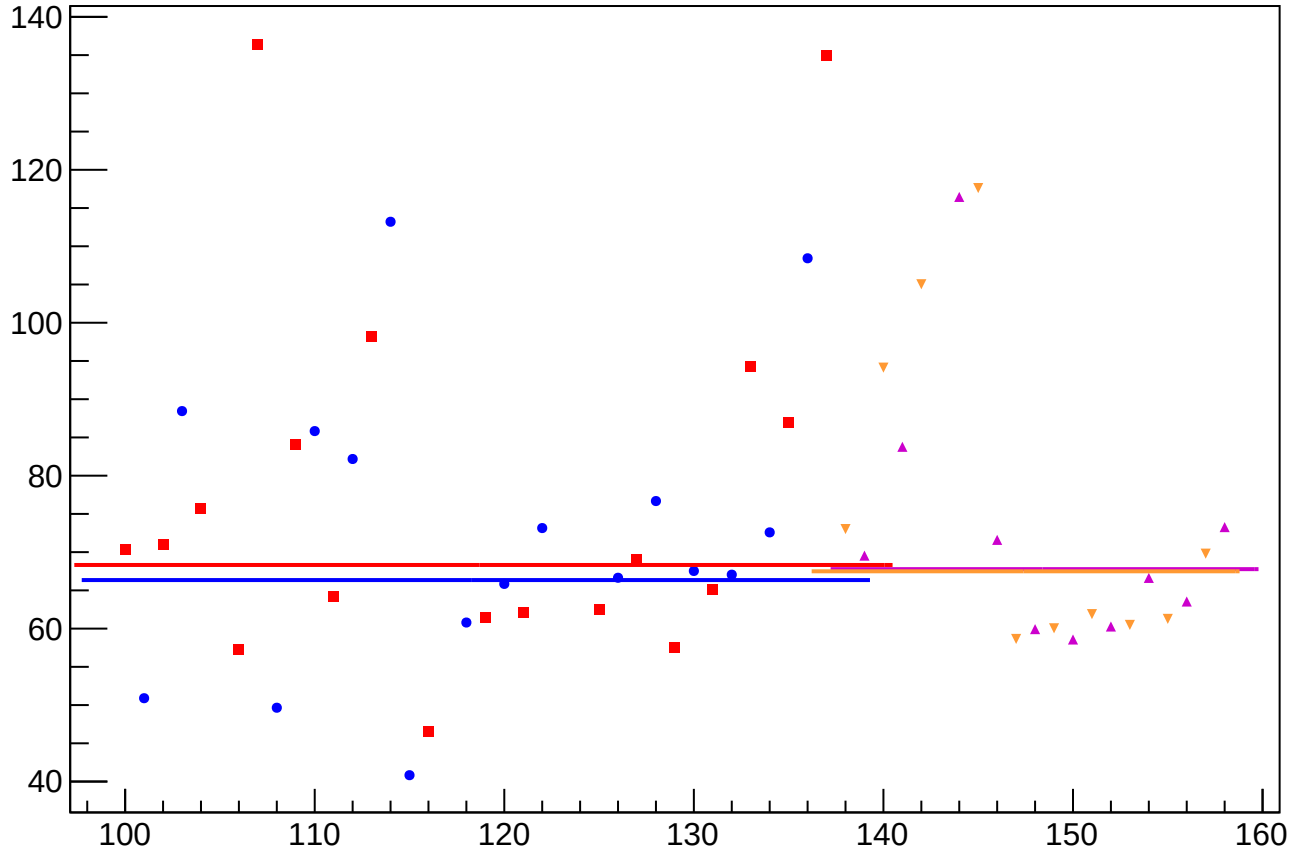
Left: 0.005+/-0.017 χ^2/NDF: 32.8/19

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.005+/-0.018 χ^2/NDF:36.4/25

Out: -0.001+/-0.018 χ^2/NDF:38.5/27

All: -0.003+/-0.013 χ^2/NDF: 75.0/53



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 67.495+/-0.018 χ^2/NDF:642834.1/9

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.777+/-0.017 χ^2/NDF:487733.1/9

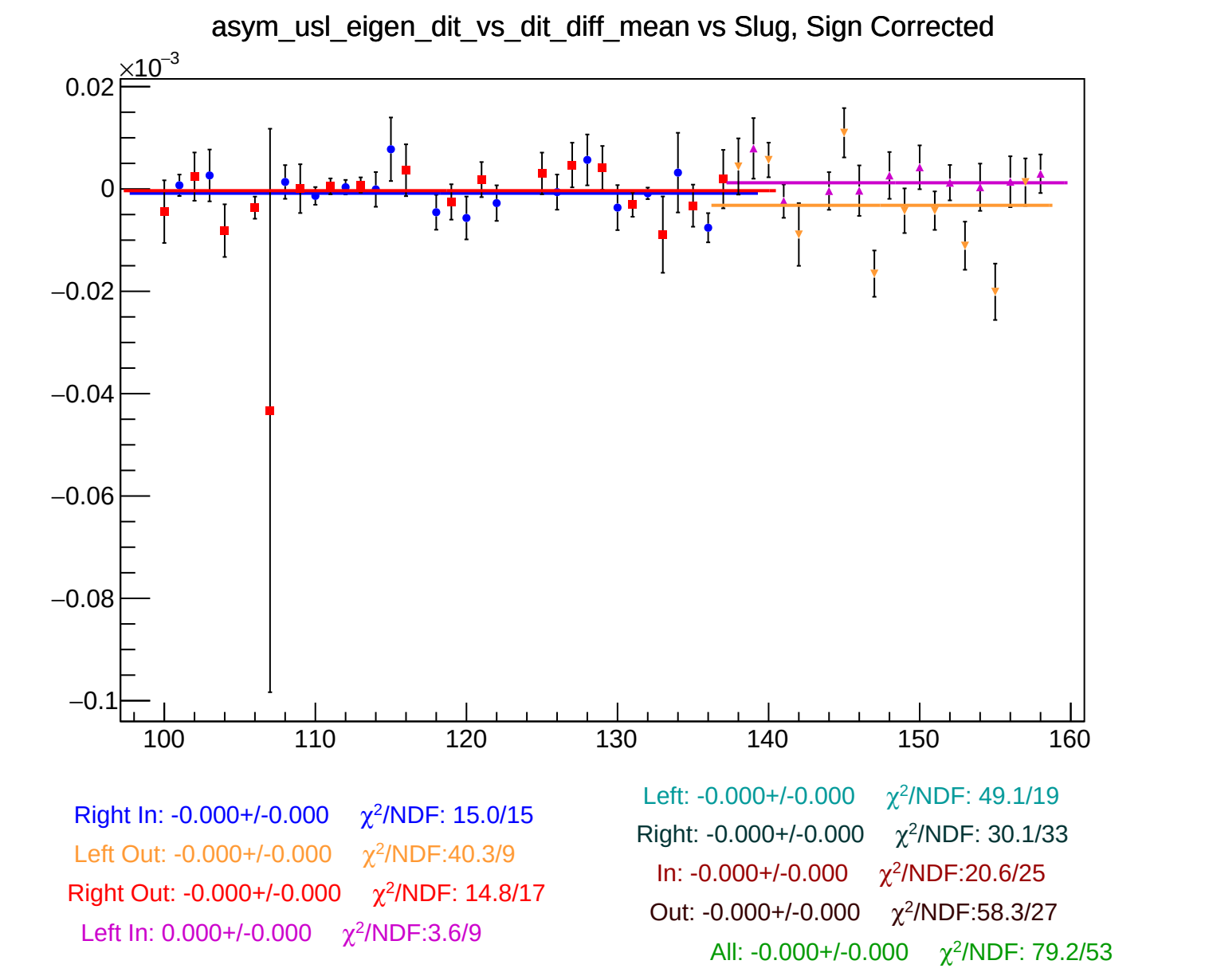
Left: 67.644+/-0.012 χ^2/NDF: 1130698.5/19

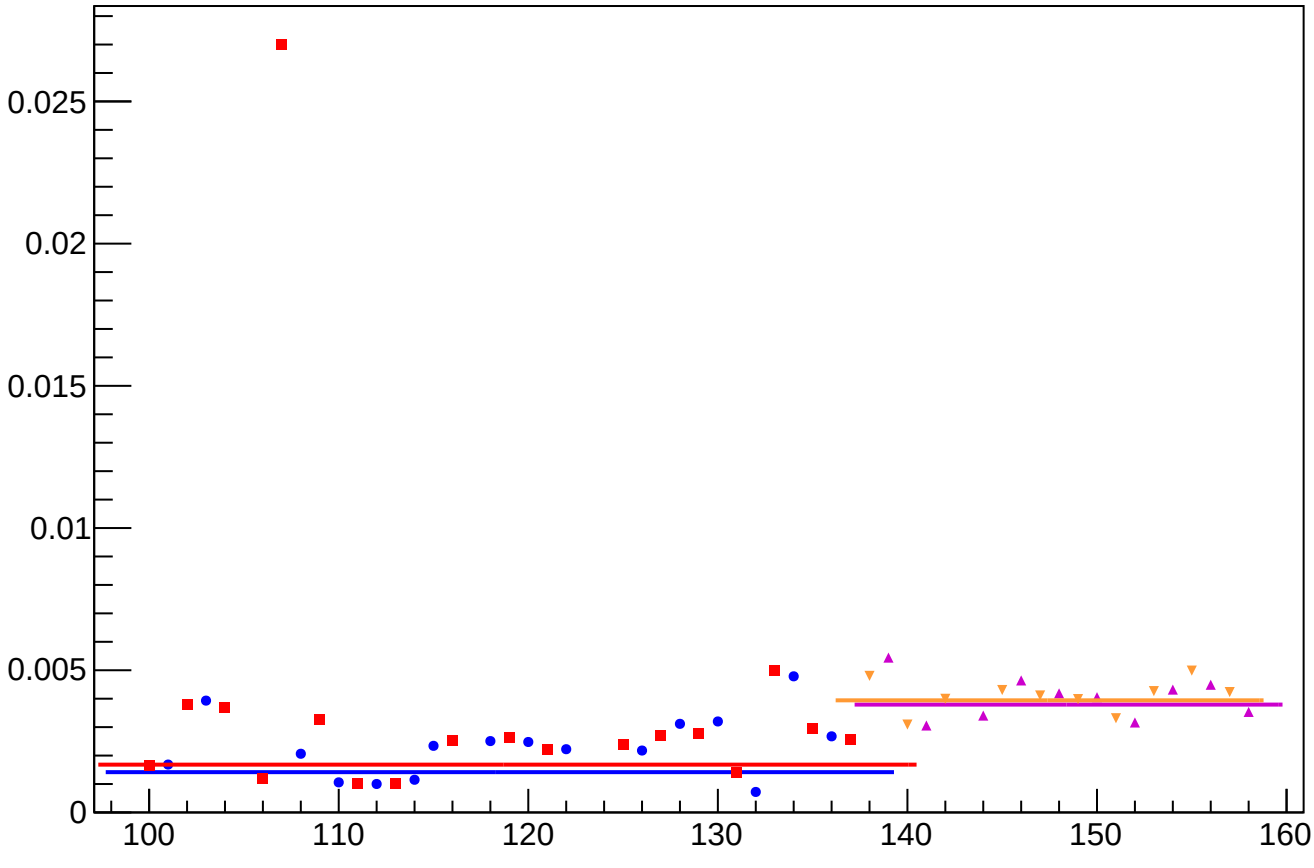
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.131+/-0.012 χ^2/NDF:1263623.6/25

Out: 67.883+/-0.013 χ^2/NDF:1273508.4/27

All: 67.491+/-0.009 χ^2/NDF: 2538868.2/53


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:40.3/9
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: 0.000+/-0.000 χ²/NDF:3.6/9
Left: -0.000+/-0.000 χ²/NDF: 49.1/19
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:20.6/25
Out: -0.000+/-0.000 χ²/NDF:58.3/27
All: -0.000+/-0.000 χ²/NDF: 79.2/53



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:335839.9/9

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:501917.0/9

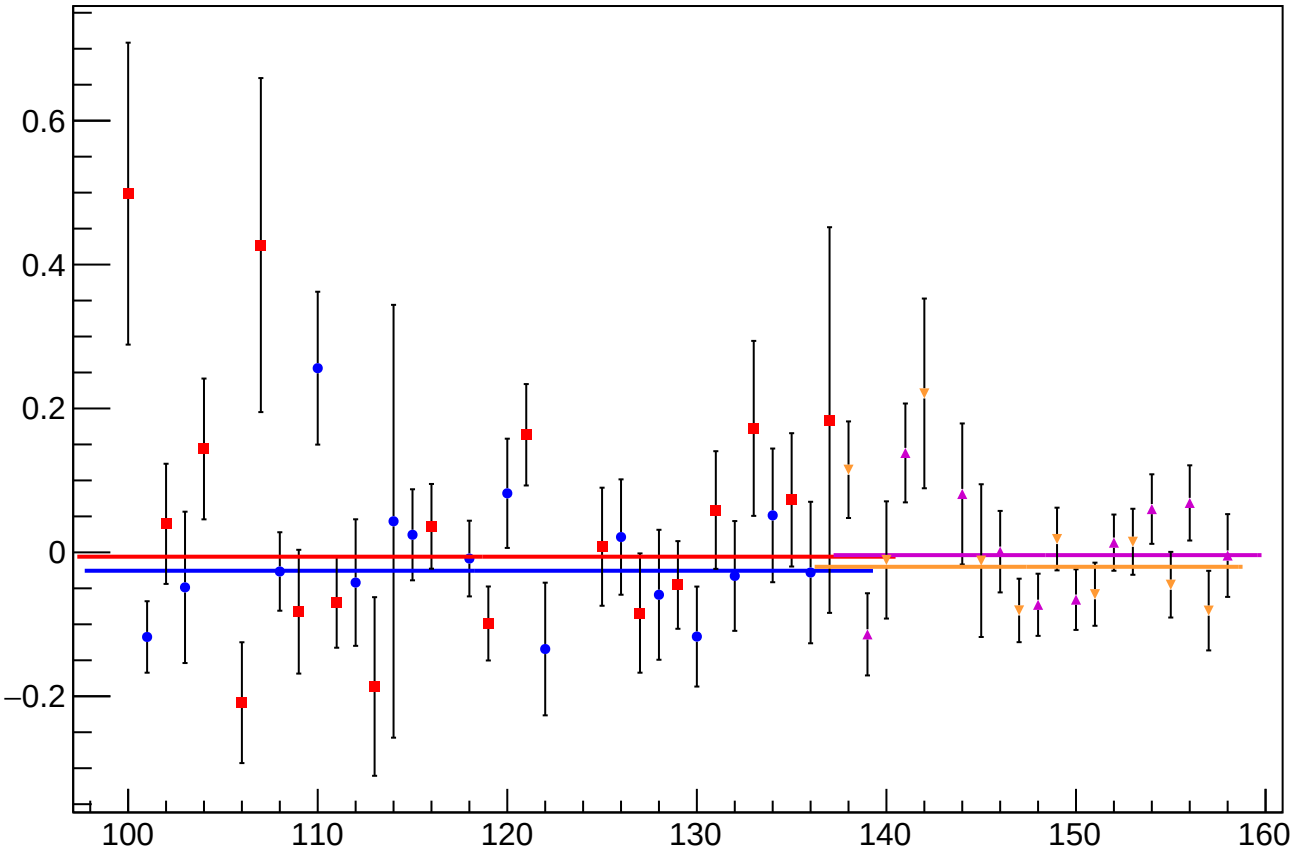
Left: 0.004+/-0.000 χ^2/NDF: 849659.8/19

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:9420557.0/25

Out: 0.002+/-0.000 χ^2/NDF:7729981.1/27

All: 0.002+/-0.000 χ^2/NDF: 17389612.7/53



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

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

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

Left In: -0.004+/-0.016 χ^2/NDF:17.3/9

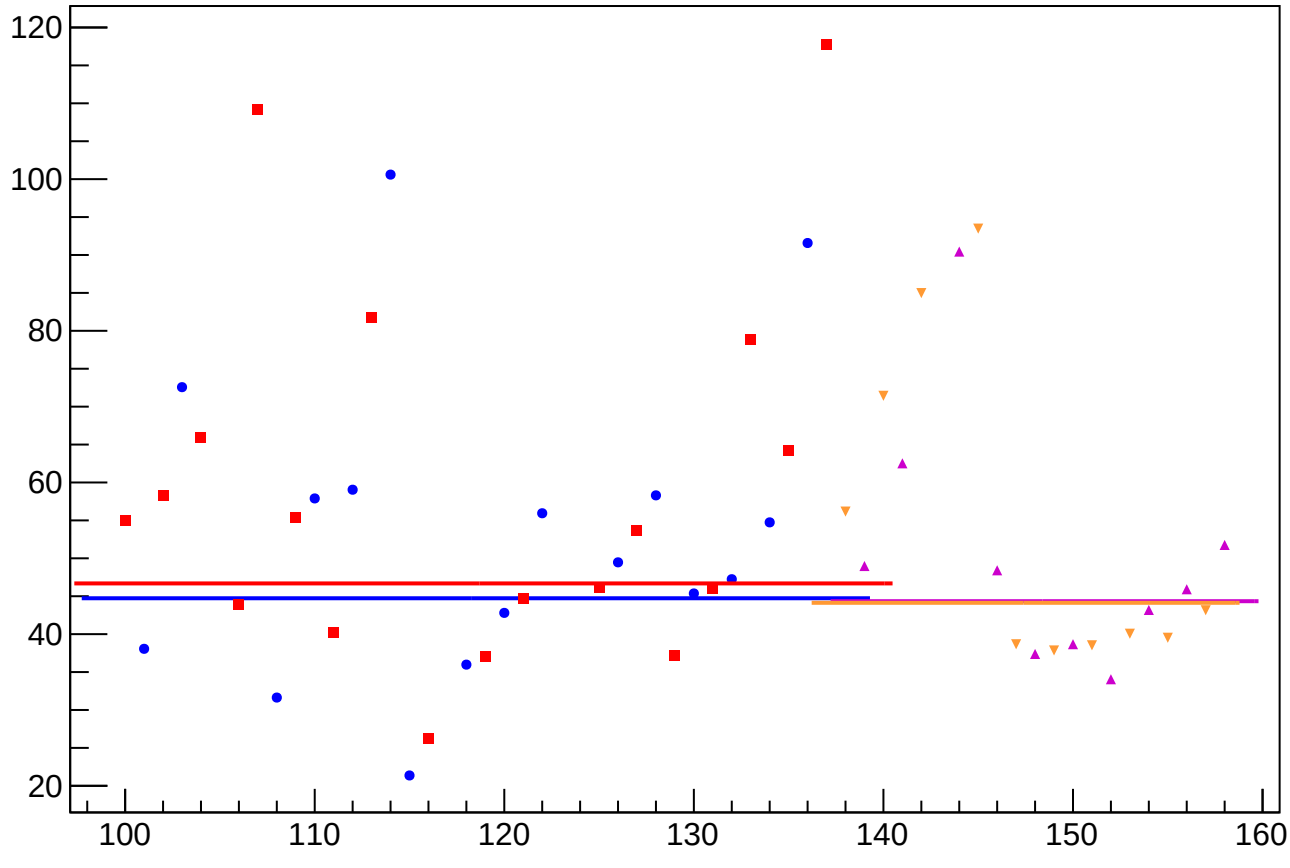
Left: -0.011+/-0.012 χ^2/NDF: 30.7/19

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

In: -0.013+/-0.012 χ^2/NDF:35.7/25

Out: -0.014+/-0.013 χ^2/NDF:49.7/27

All: -0.013+/-0.009 χ^2/NDF: 85.5/53



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054562.1/9

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.345+/-0.011 χ^2/NDF:869407.7/9

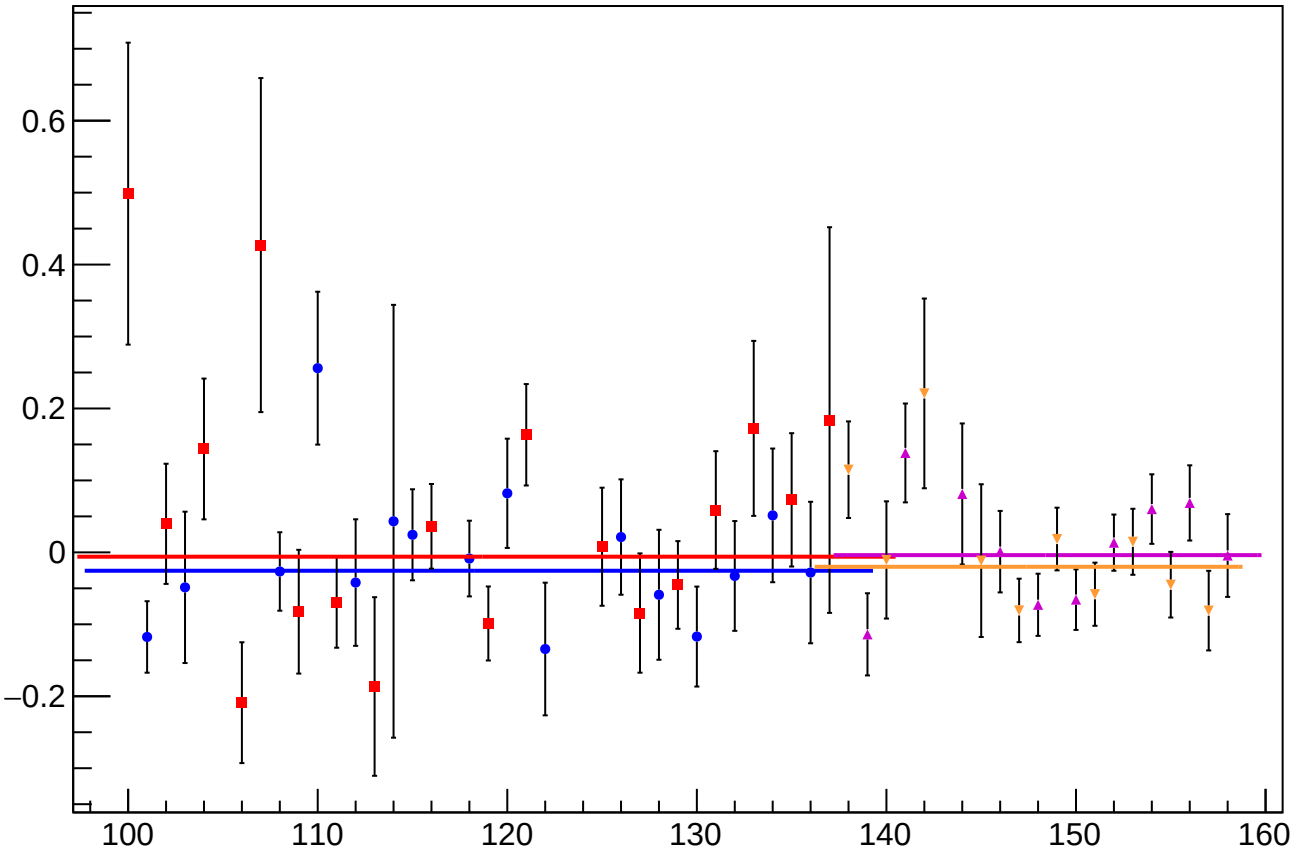
Left: 44.246+/-0.008 χ^2/NDF: 1924127.1/19

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.511+/-0.009 χ^2/NDF:2204499.2/25

Out: 45.263+/-0.009 χ^2/NDF:2269453.4/27

All: 44.869+/-0.006 χ^2/NDF: 4477523.5/53



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

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

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

Left In: -0.004+/-0.016 χ^2/NDF:17.3/9

Left: -0.011+/-0.012 χ^2/NDF: 30.7/19

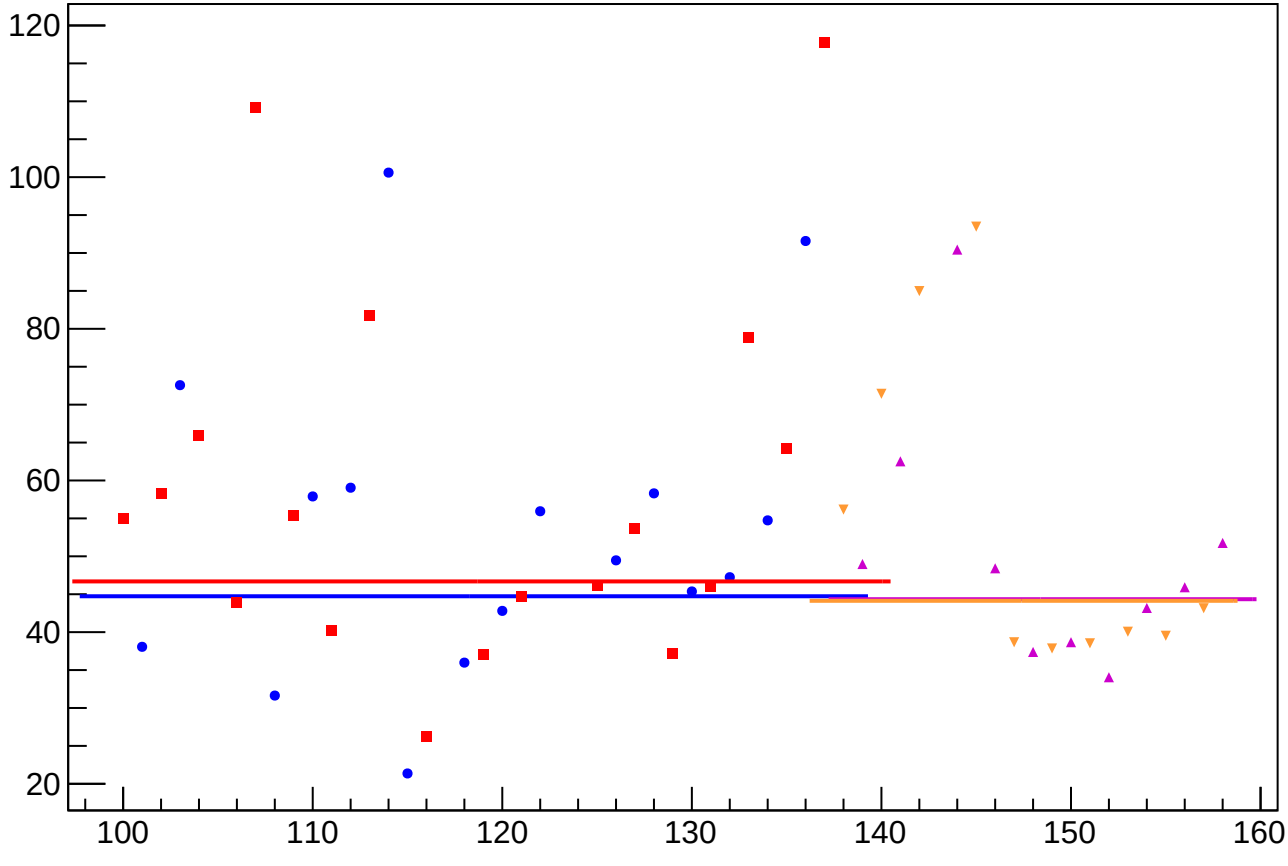
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/25

Out: -0.014+/-0.013 χ^2/NDF:49.7/27

All: -0.013+/-0.009 χ^2/NDF: 85.5/53

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054562.1/9

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.345+/-0.011 χ^2/NDF:869407.7/9

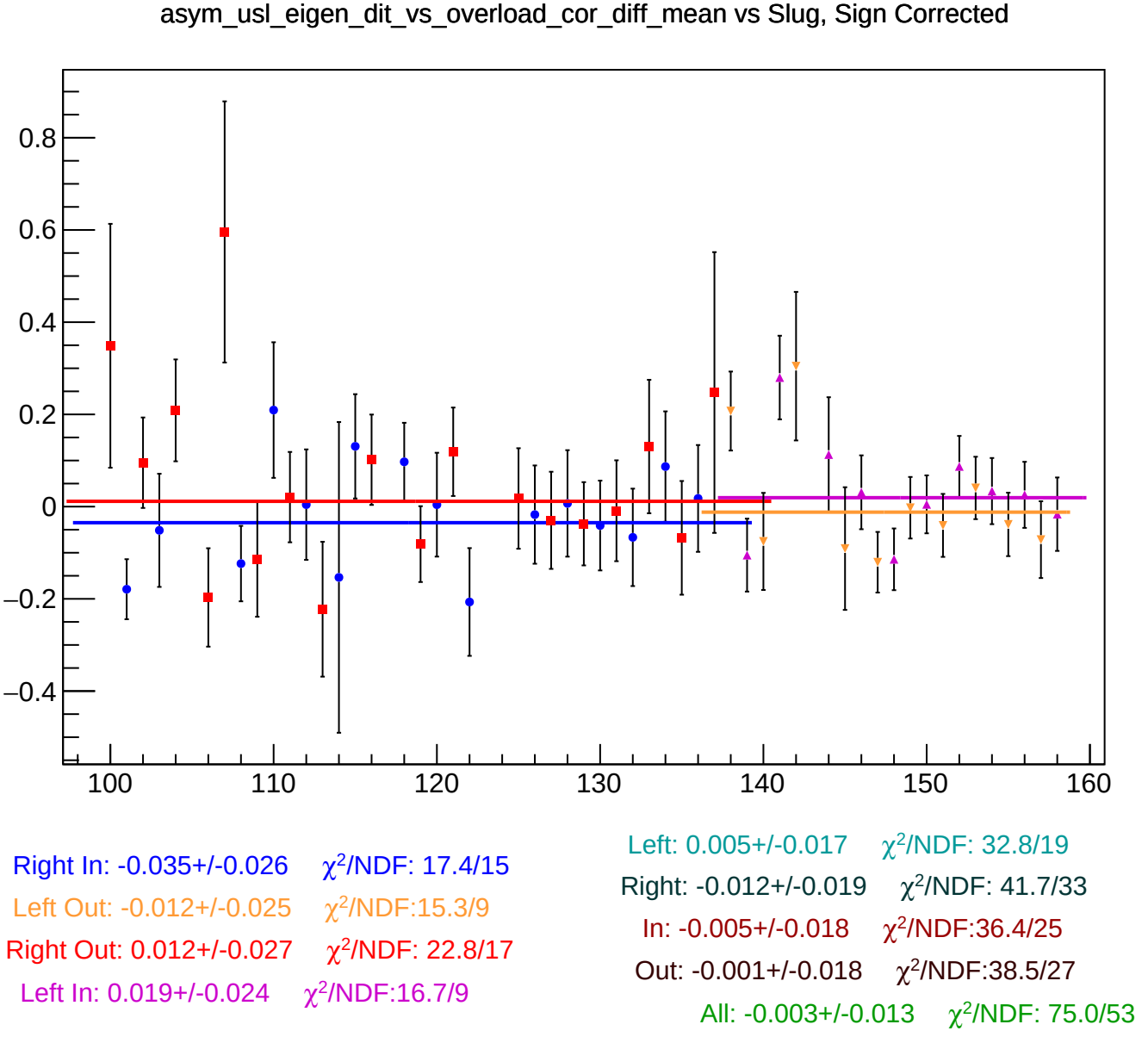
Left: 44.246+/-0.008 χ^2/NDF: 1924127.1/19

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

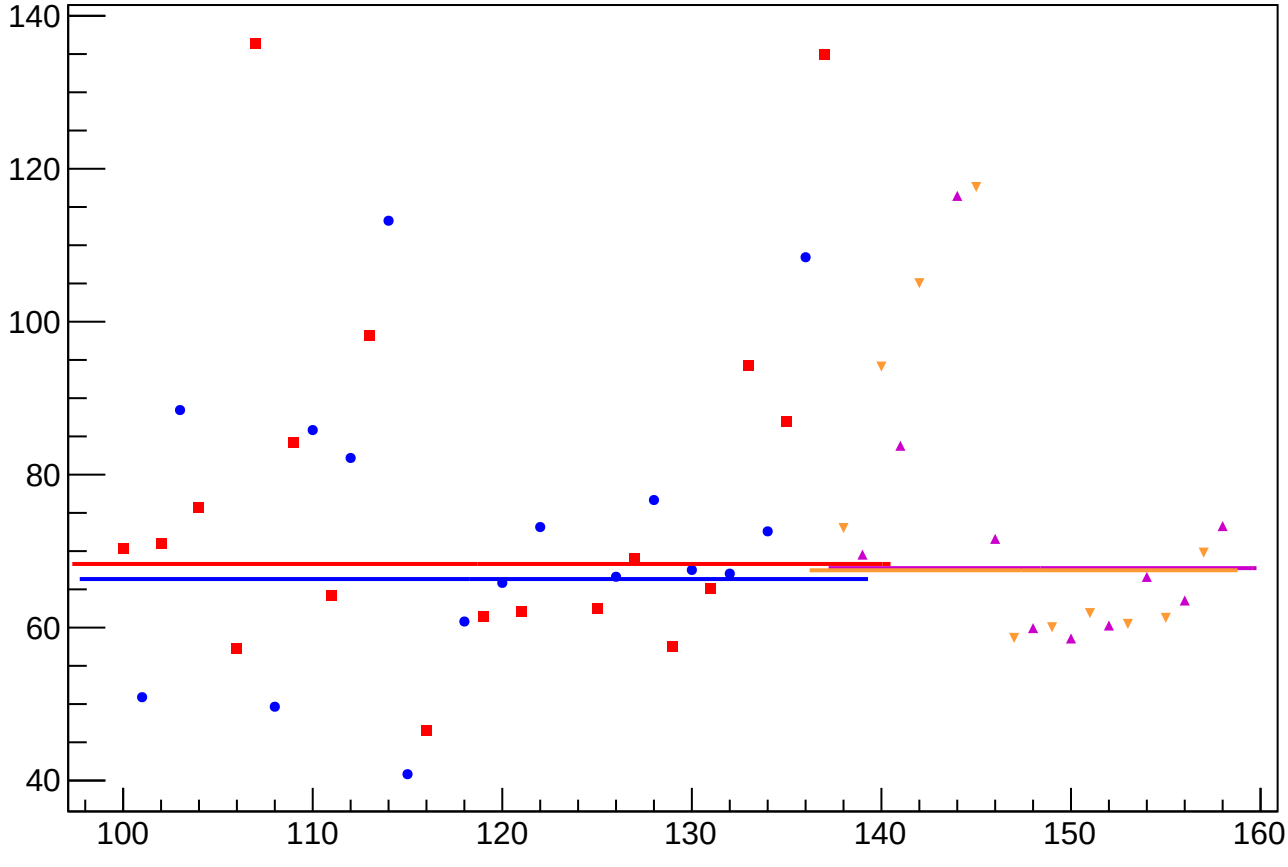
In: 44.511+/-0.009 χ^2/NDF:2204499.2/25

Out: 45.263+/-0.009 χ^2/NDF:2269453.4/27

All: 44.869+/-0.006 χ^2/NDF: 4477523.5/53


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.012+/-0.025 χ²/NDF:15.3/9
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.019+/-0.024 χ²/NDF:16.7/9
Left: 0.005+/-0.017 χ²/NDF: 32.8/19
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.005+/-0.018 χ²/NDF:36.4/25
Out: -0.001+/-0.018 χ²/NDF:38.5/27
All: -0.003+/-0.013 χ²/NDF: 75.0/53

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.495+/-0.018 χ^2/NDF:642818.9/9

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.777+/-0.017 χ^2/NDF:487724.5/9

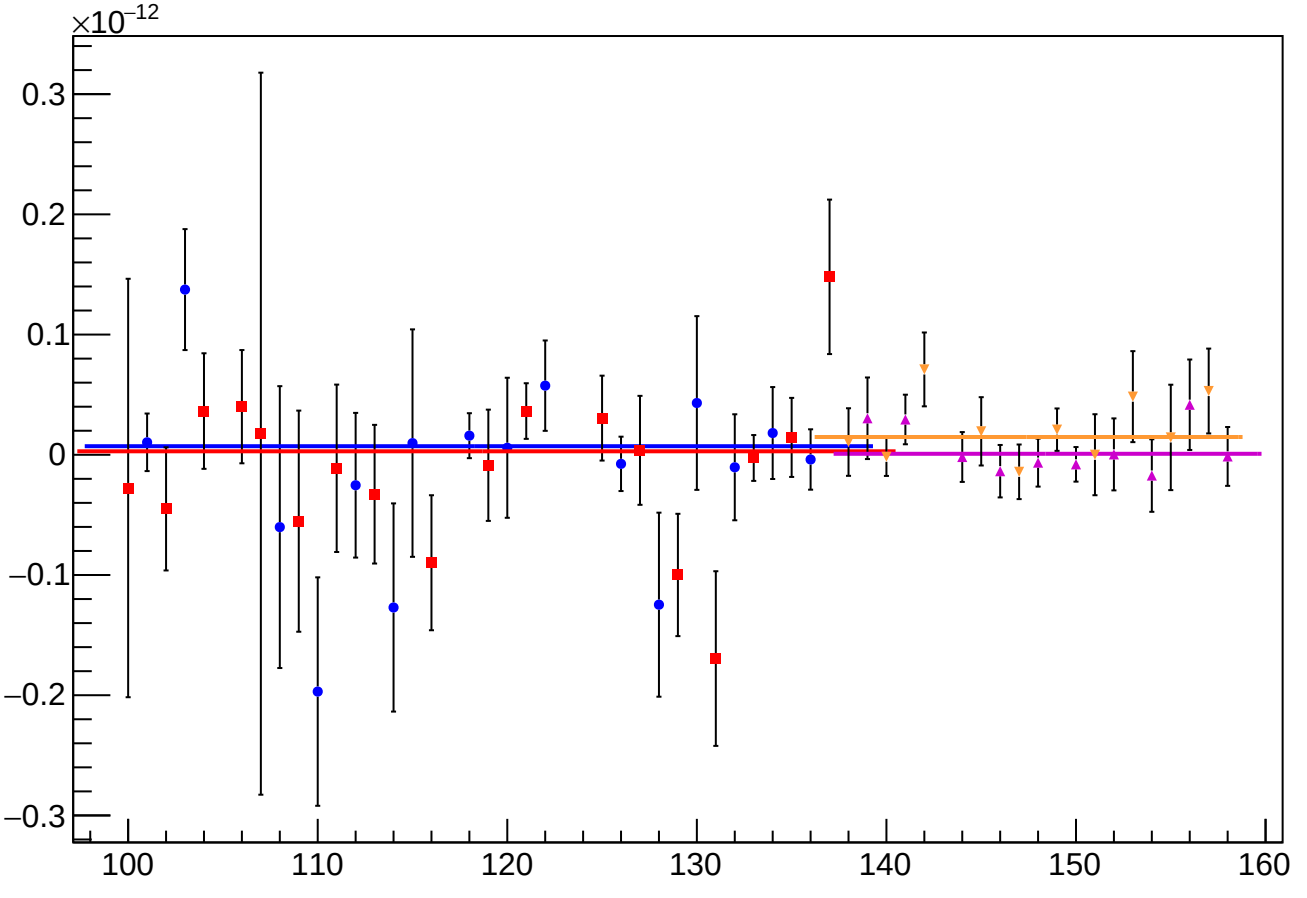
Left: 67.644+/-0.012 χ^2/NDF: 1130674.8/19

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 67.131+/-0.012 χ^2/NDF:1263625.5/25

Out: 67.882+/-0.013 χ^2/NDF:1273486.8/27

All: 67.491+/-0.009 χ^2/NDF: 2538847.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

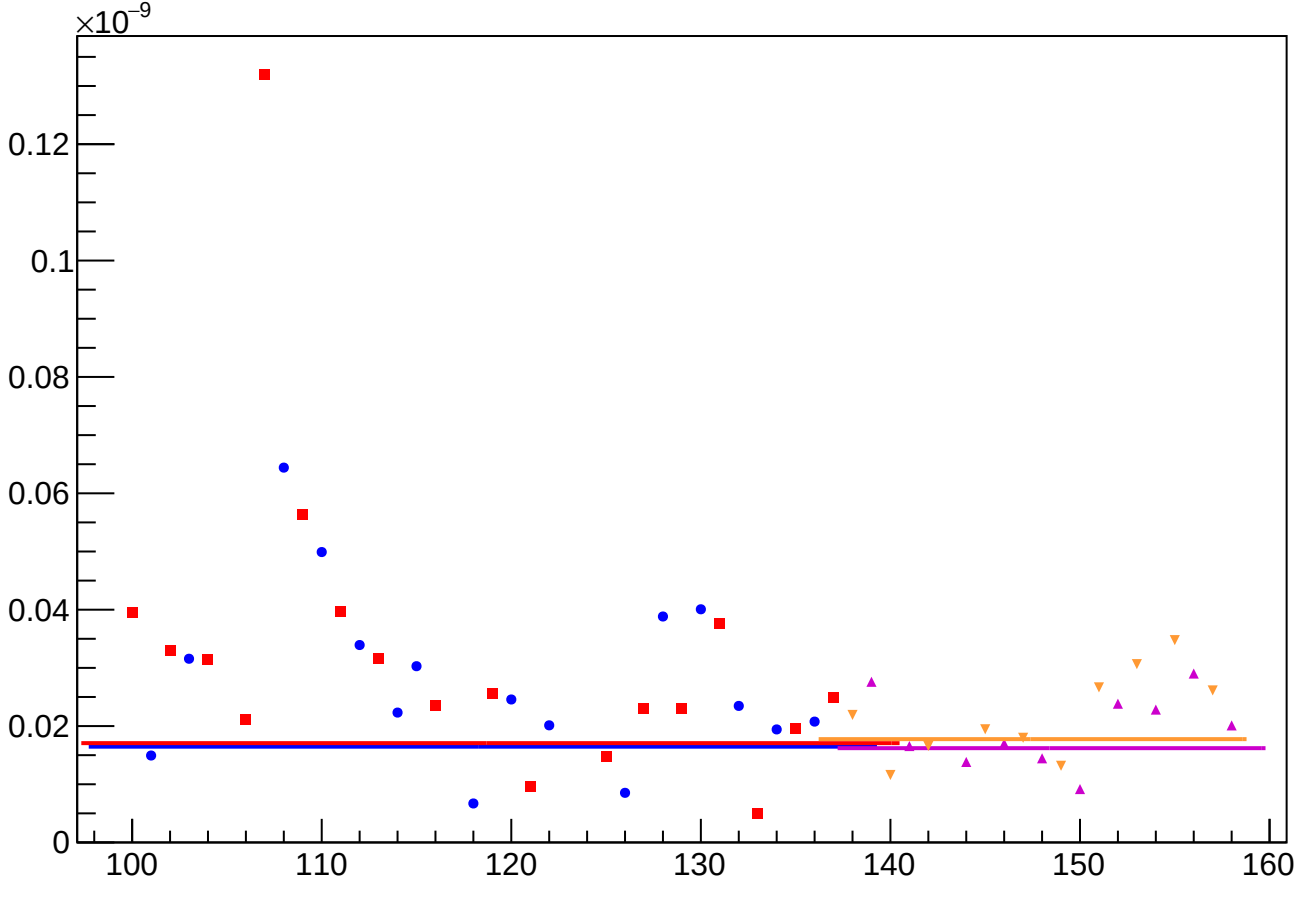
Left: 0.000+/-0.000 χ^2/NDF: 15.2/19

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:25.9/25

Out: 0.000+/-0.000 χ^2/NDF:32.6/27

All: 0.000+/-0.000 χ^2/NDF: 59.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1272361.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1258433.6/9

Left: 0.000+/-0.000 χ^2/NDF: 2572597.8/19

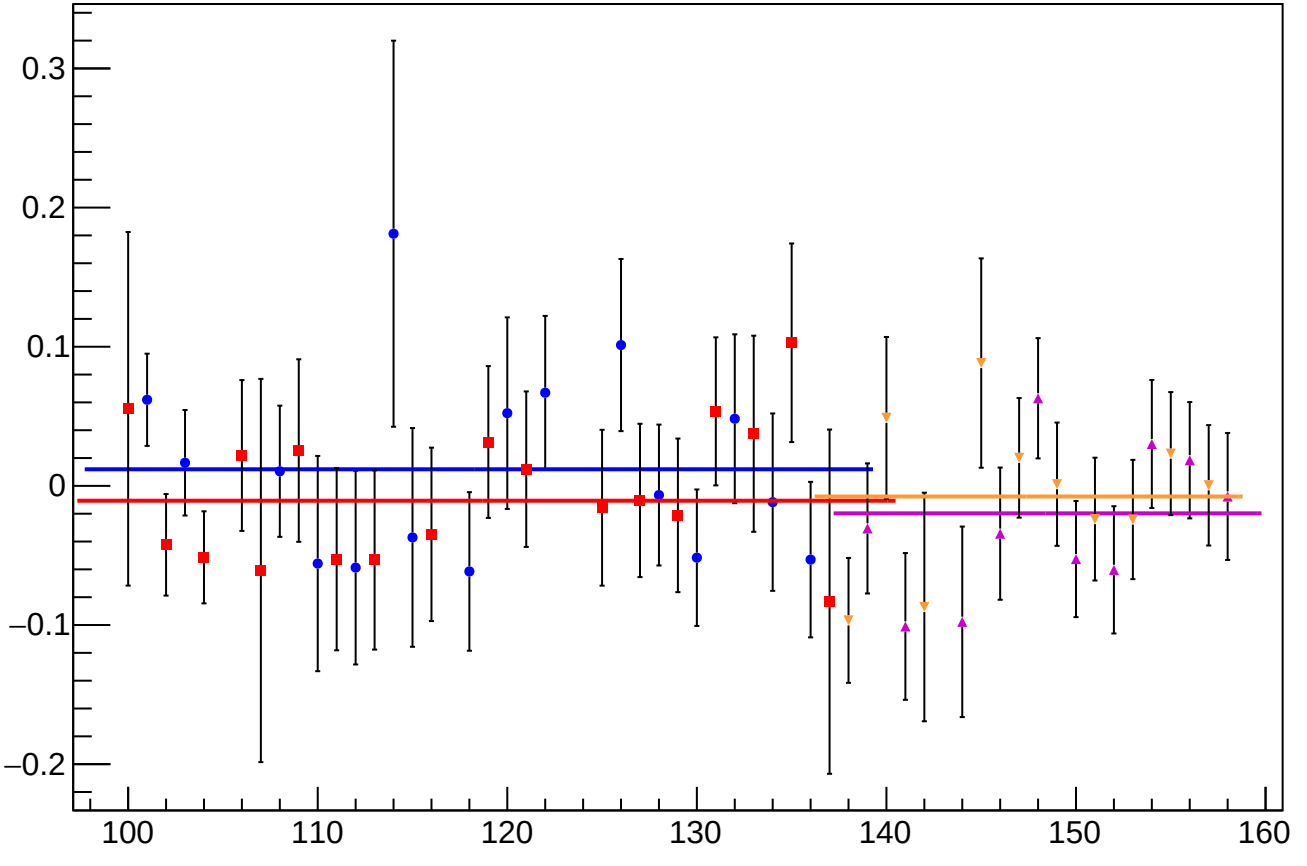
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:3605307.3/25

Out: 0.000+/-0.000 χ^2/NDF:4069595.3/27

All: 0.000+/-0.000 χ^2/NDF: 7714479.3/53

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.008+/-0.015 χ^2/NDF:8.7/9

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.015 χ^2/NDF:11.0/9

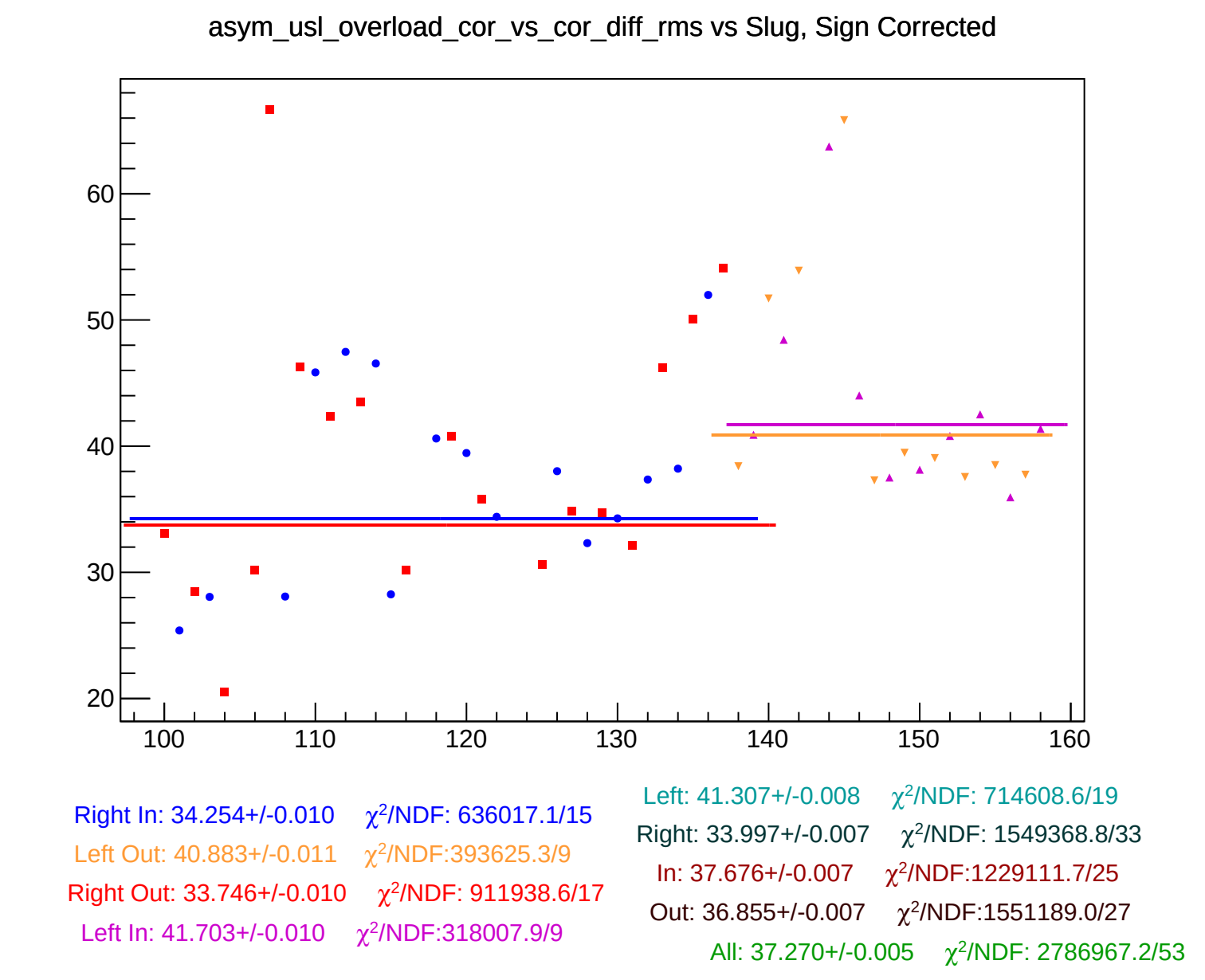
Left: -0.014+/-0.011 χ^2/NDF: 20.0/19

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

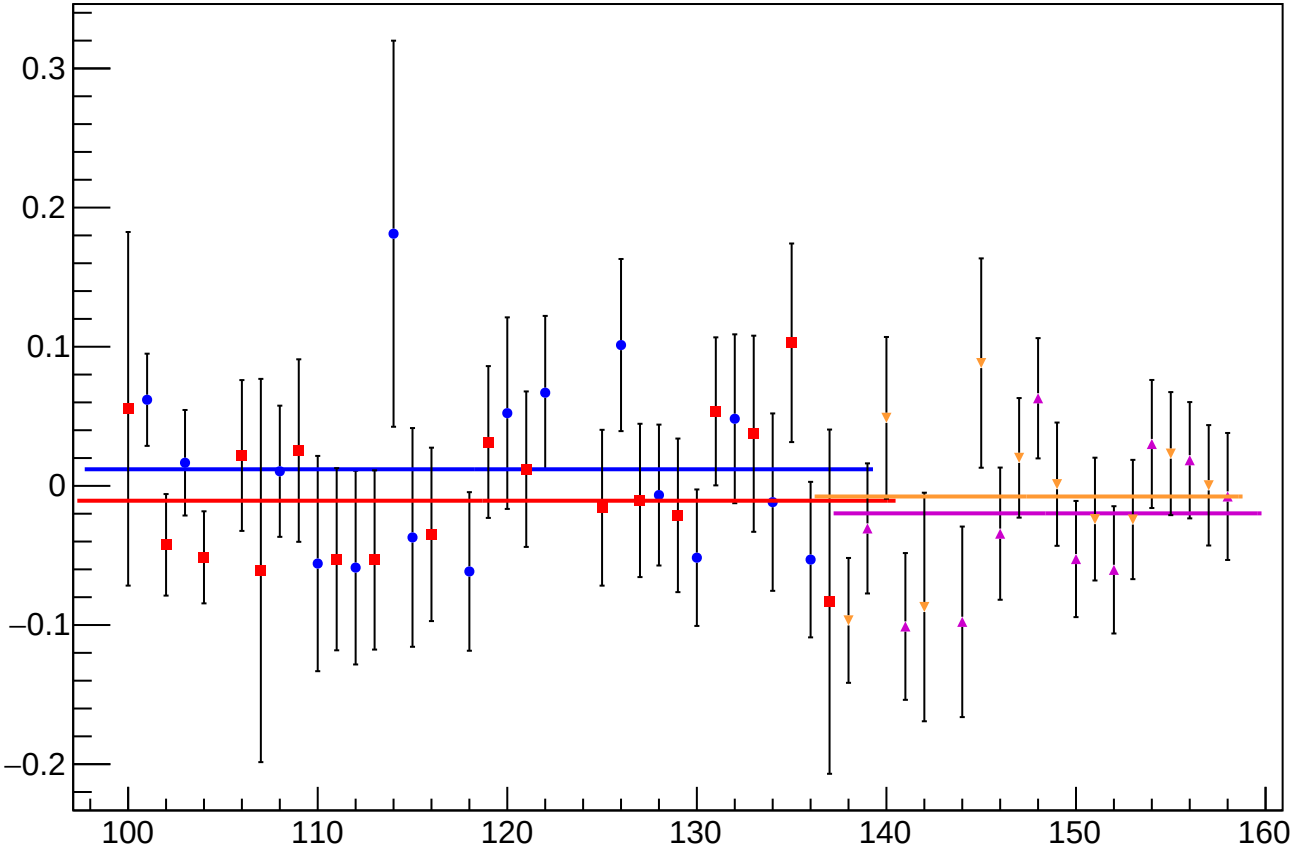
In: -0.003+/-0.010 χ^2/NDF:28.2/25

Out: -0.009+/-0.010 χ^2/NDF:18.7/27

All: -0.006+/-0.007 χ^2/NDF: 47.0/53


asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 40.883+/-0.011 χ²/NDF:393625.3/9
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.703+/-0.010 χ²/NDF:318007.9/9
Left: 41.307+/-0.008 χ²/NDF: 714608.6/19
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.676+/-0.007 χ²/NDF:1229111.7/25
Out: 36.855+/-0.007 χ²/NDF:1551189.0/27
All: 37.270+/-0.005 χ²/NDF: 2786967.2/53

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.008+/-0.015 χ^2/NDF:8.7/9

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.015 χ^2/NDF:11.0/9

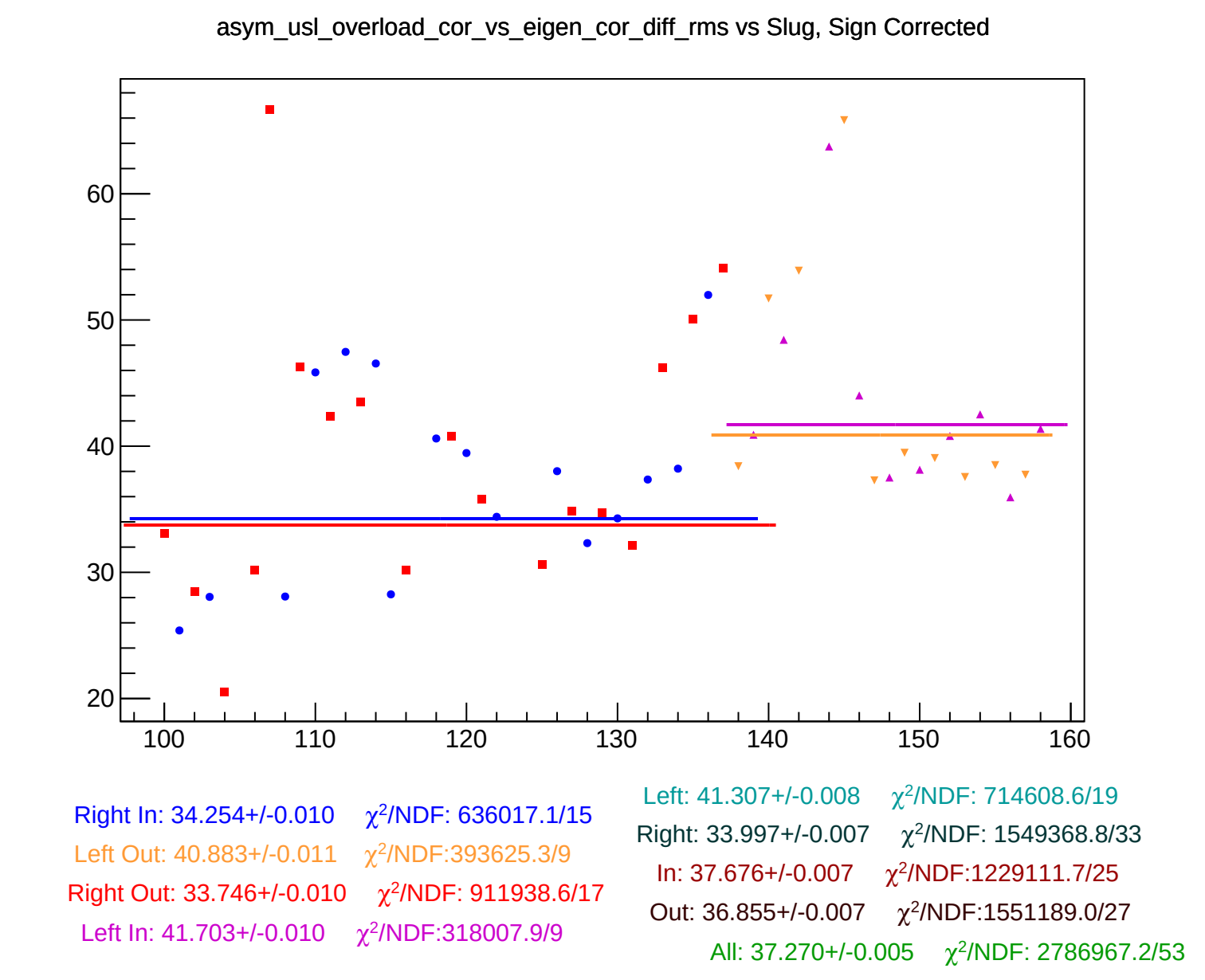
Left: -0.014+/-0.011 χ^2/NDF: 20.0/19

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

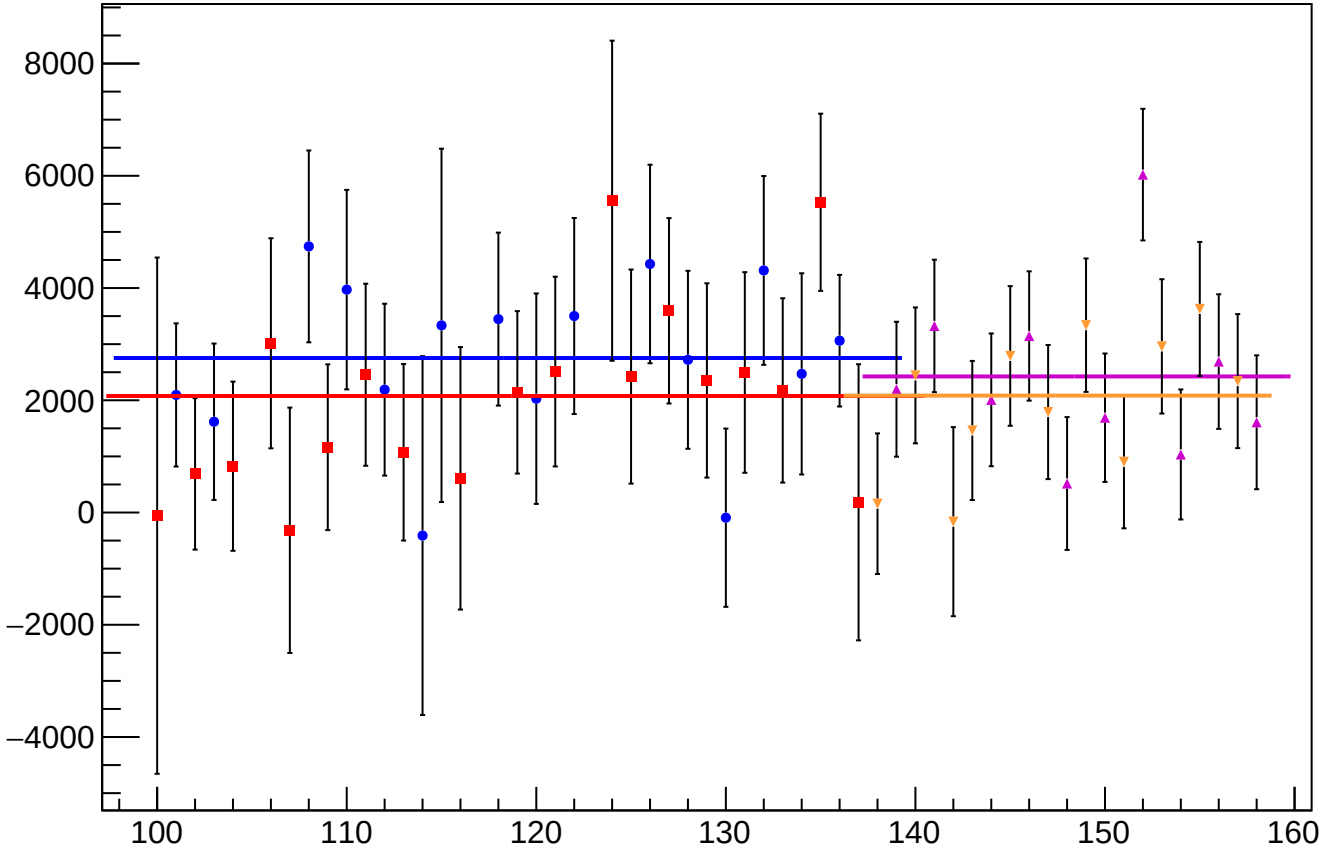
In: -0.003+/-0.010 χ^2/NDF:28.2/25

Out: -0.009+/-0.010 χ^2/NDF:18.7/27

All: -0.006+/-0.007 χ^2/NDF: 47.0/53


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 40.883+/-0.011 χ²/NDF:393625.3/9
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.703+/-0.010 χ²/NDF:318007.9/9
Left: 41.307+/-0.008 χ²/NDF: 714608.6/19
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.676+/-0.007 χ²/NDF:1229111.7/25
Out: 36.855+/-0.007 χ²/NDF:1551189.0/27
All: 37.270+/-0.005 χ²/NDF: 2786967.2/53

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2083.289+/-372.946 χ^2/NDF:9.2/10

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2425.055+/-372.013 χ^2/NDF:15.5/9

Left: 2254.599+/-263.382 χ^2/NDF: 25.2/20

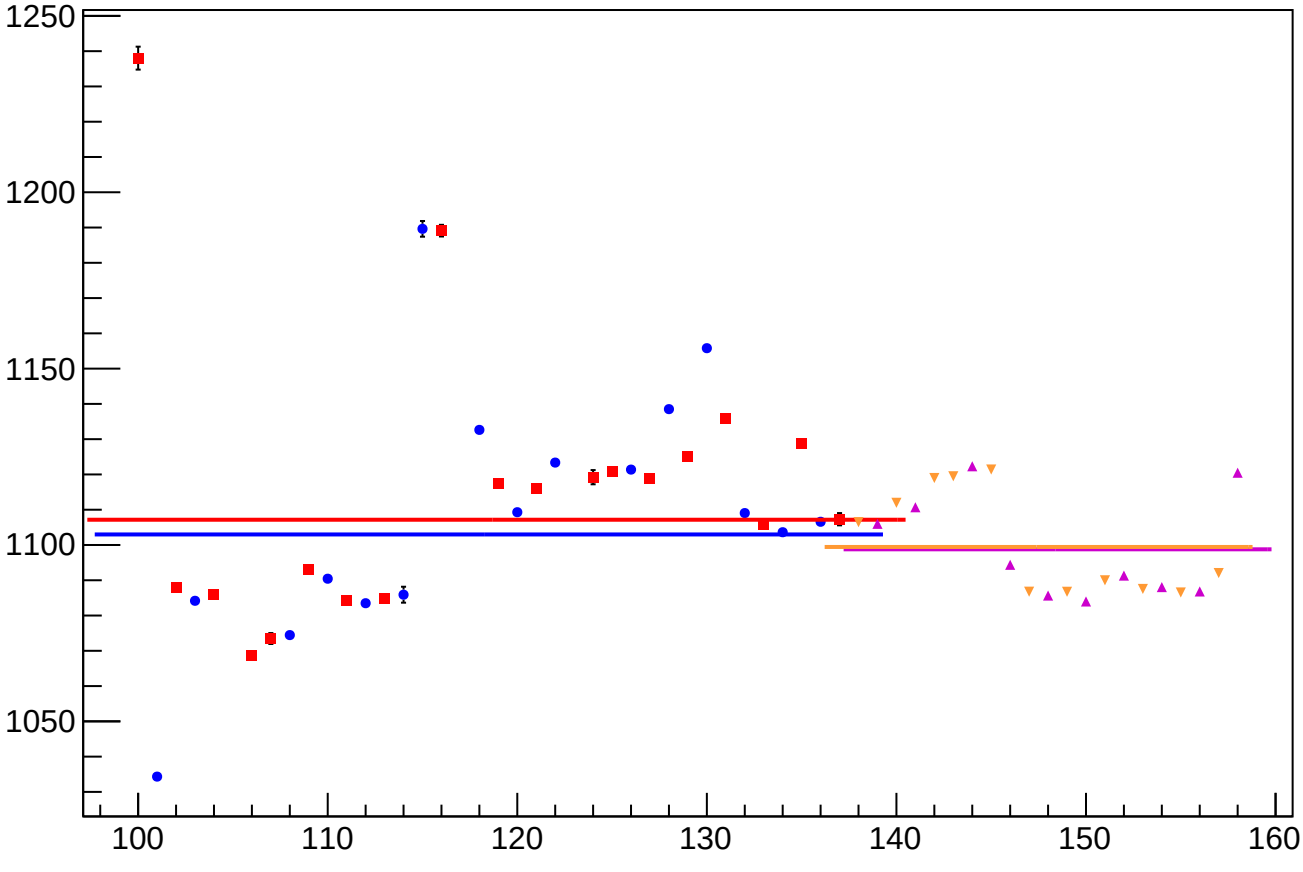
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2573.255+/-275.457 χ^2/NDF:25.4/25

Out: 2080.150+/-273.970 χ^2/NDF:21.8/29

All: 2325.368+/-194.250 χ^2/NDF: 48.7/55

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1099.440+/-0.264 χ^2/NDF:2781.2/10

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

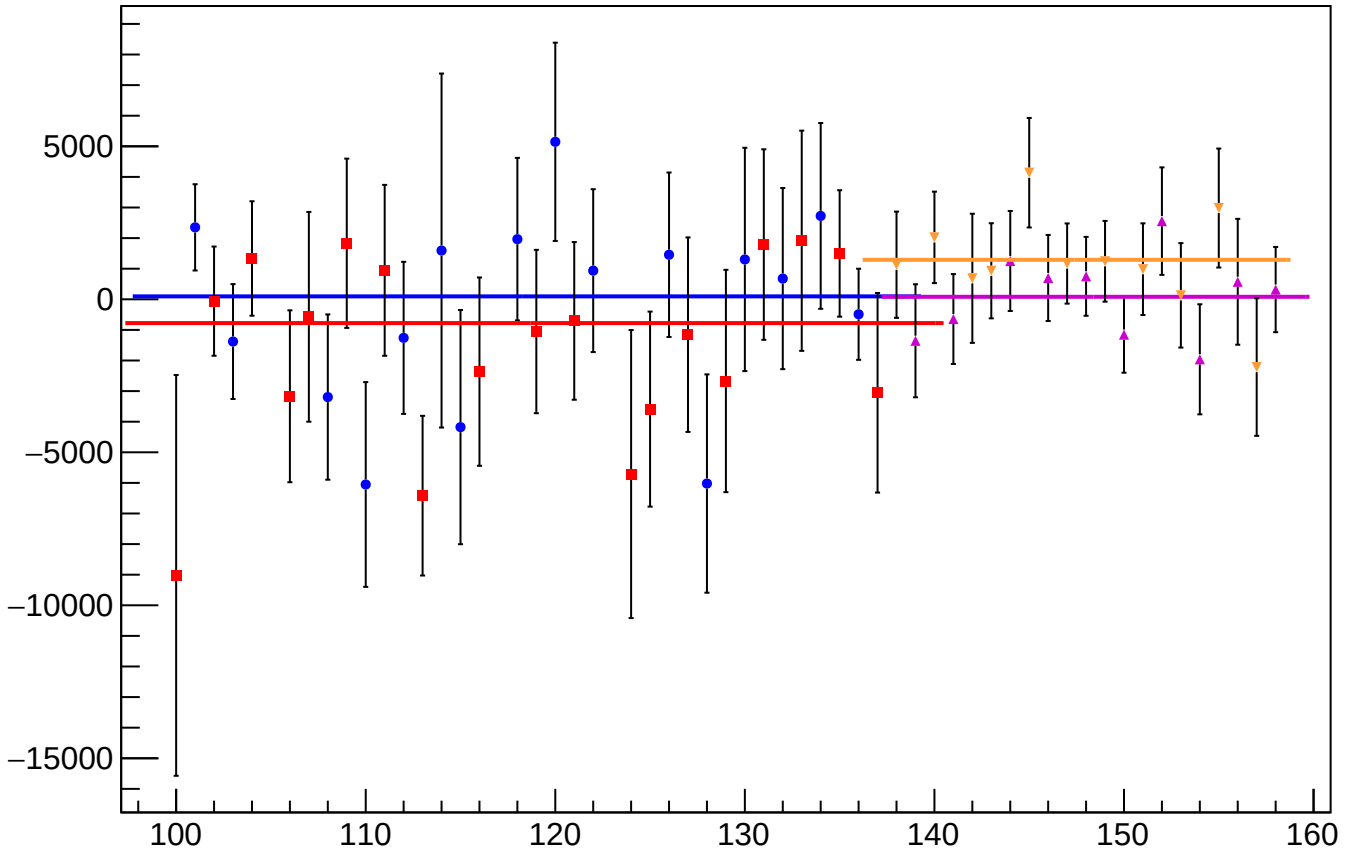
Left: 1099.106+/-0.186 χ^2/NDF: 5574.4/20

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1100.677+/-0.195 χ^2/NDF:16129.8/25

Out: 1102.994+/-0.194 χ^2/NDF:11859.0/29

All: 1101.842+/-0.137 χ^2/NDF: 28059.8/55



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1290.435+/-491.546 χ^2/NDF:6.6/10

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 82.224+/-483.959 χ^2/NDF:6.2/9

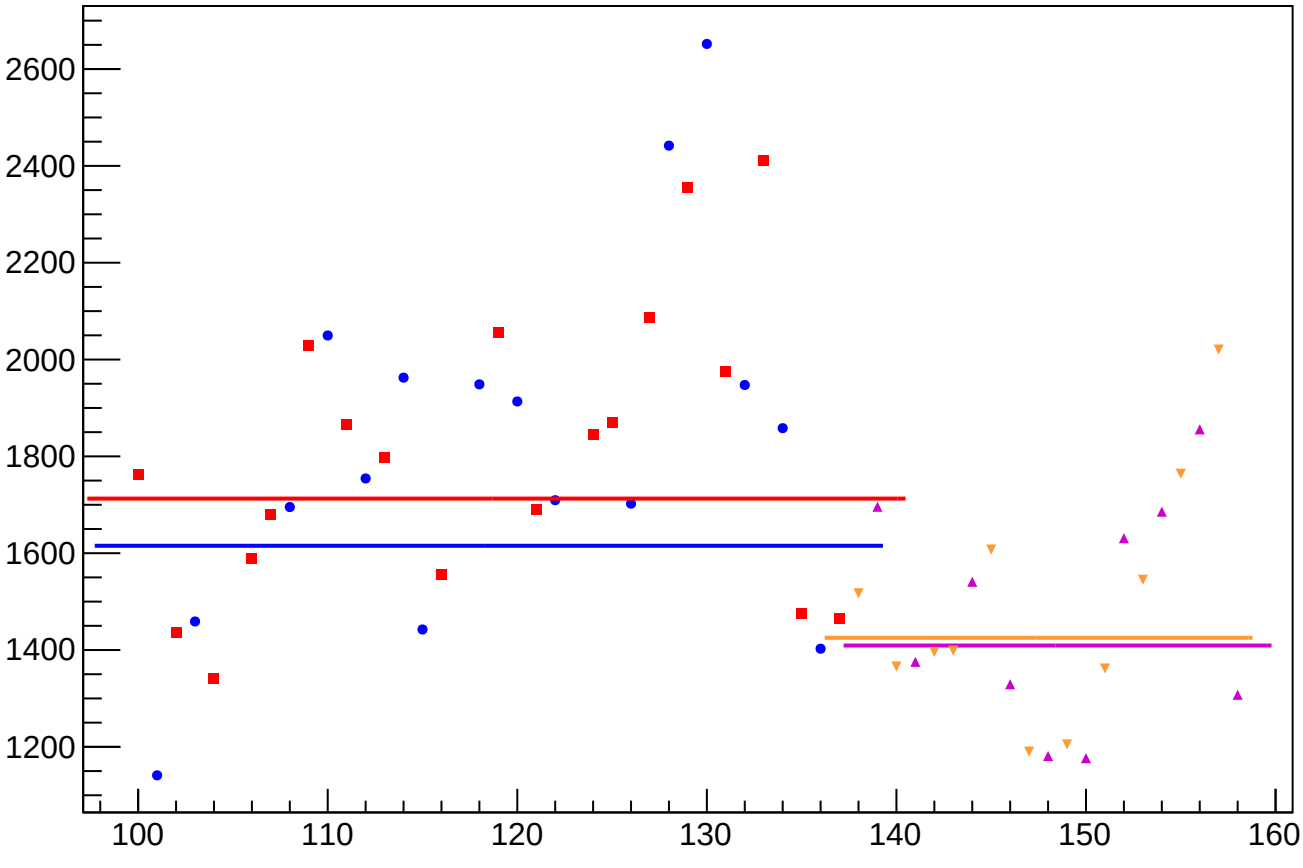
Left: 676.933+/-344.862 χ^2/NDF: 15.9/20

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 87.443+/-381.050 χ^2/NDF:23.1/25

Out: 518.778+/-389.146 χ^2/NDF:28.3/29

All: 298.577+/-272.261 χ^2/NDF: 52.0/55



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1425.311+/-0.348 χ^2/NDF:365258.4/10

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1409.282+/-0.342 χ^2/NDF:385399.9/9

Left: 1417.172+/-0.244 χ^2/NDF: 751738.3/20

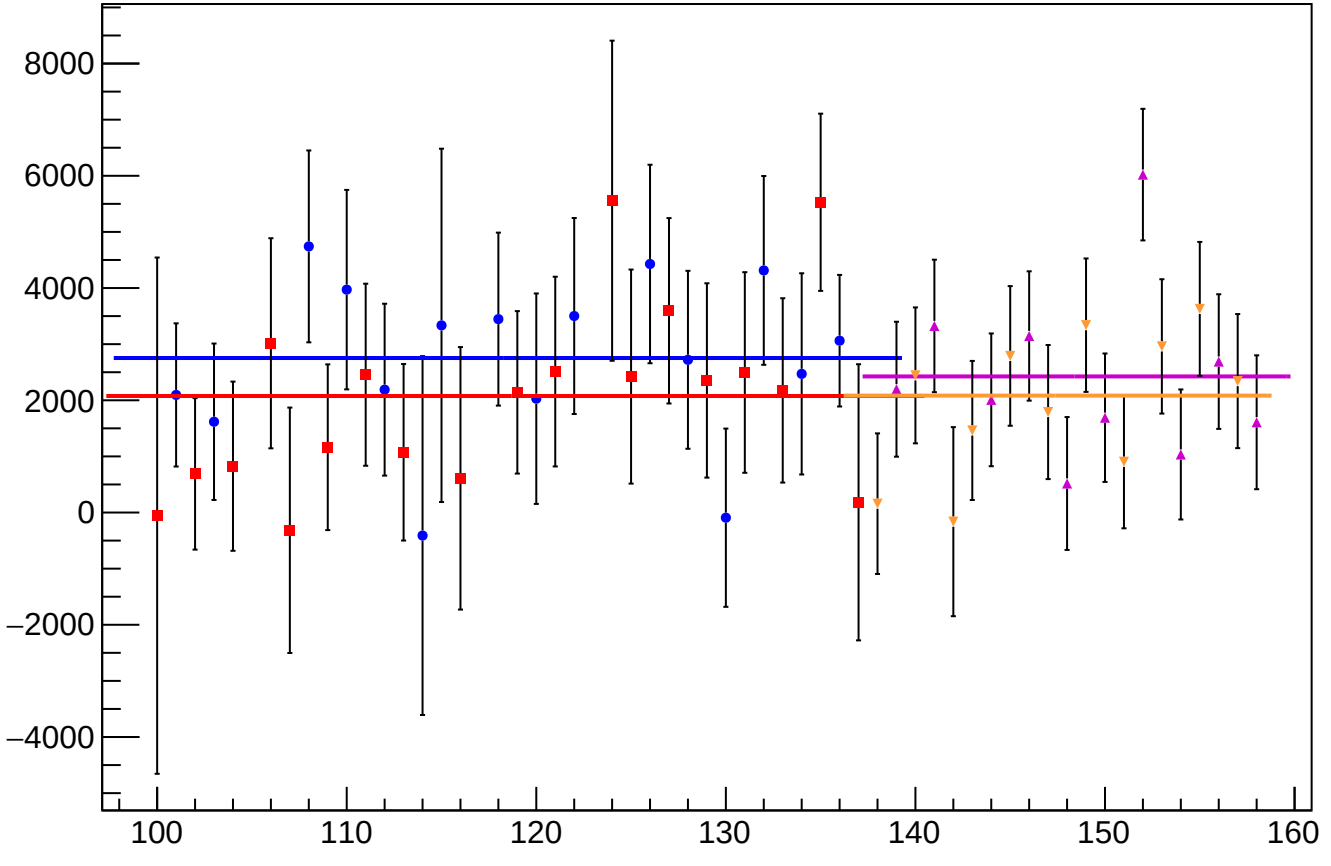
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1487.588+/-0.269 χ^2/NDF:1216796.3/25

Out: 1532.614+/-0.275 χ^2/NDF:1048670.8/29

All: 1509.628+/-0.193 χ^2/NDF: 2279136.3/55

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2083.289+/-372.946 χ^2/NDF:9.2/10

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2425.055+/-372.013 χ^2/NDF:15.5/9

Left: 2254.599+/-263.382 χ^2/NDF: 25.2/20

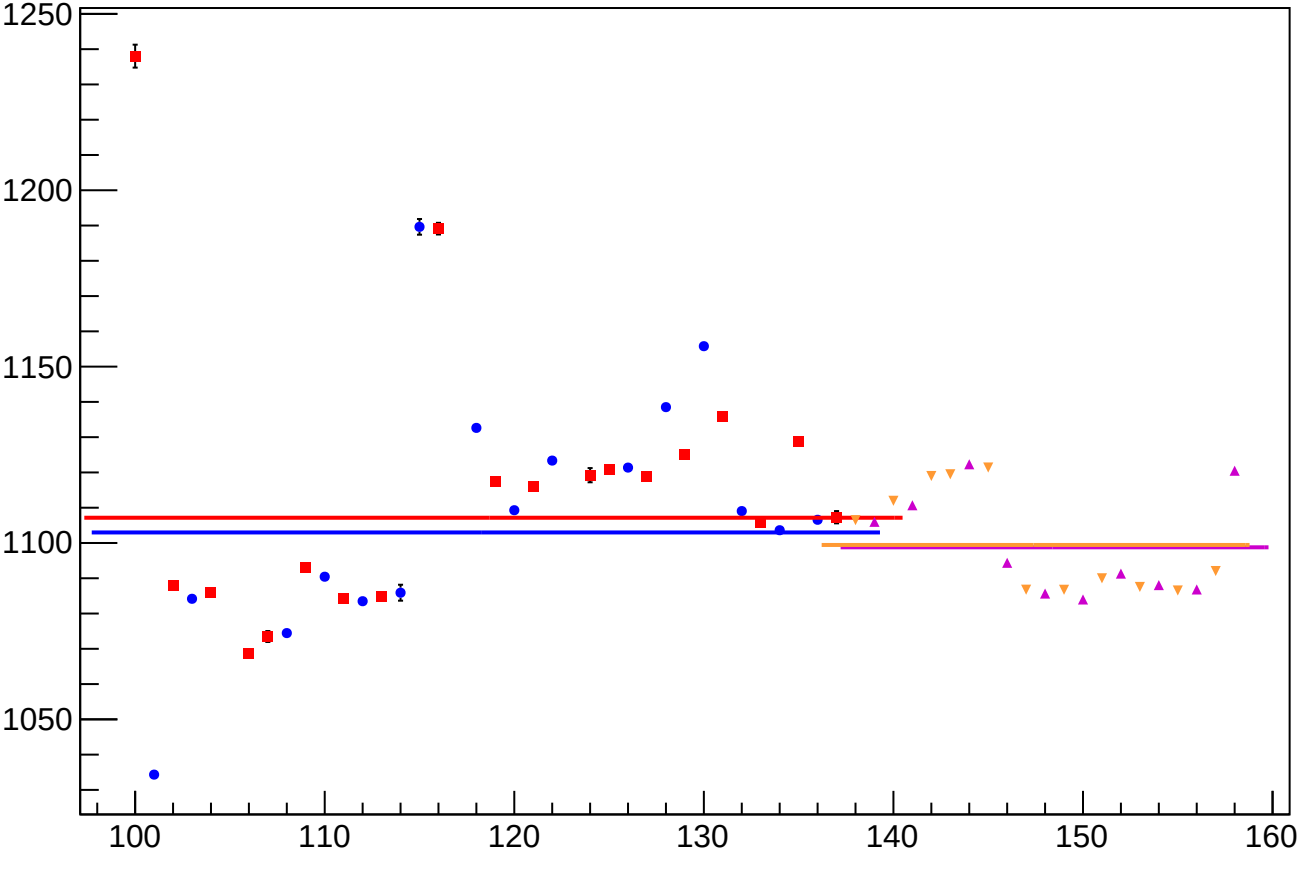
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2573.255+/-275.457 χ^2/NDF:25.4/25

Out: 2080.150+/-273.970 χ^2/NDF:21.8/29

All: 2325.368+/-194.250 χ^2/NDF: 48.7/55

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1099.440+/-0.264 χ^2/NDF:2781.2/10

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

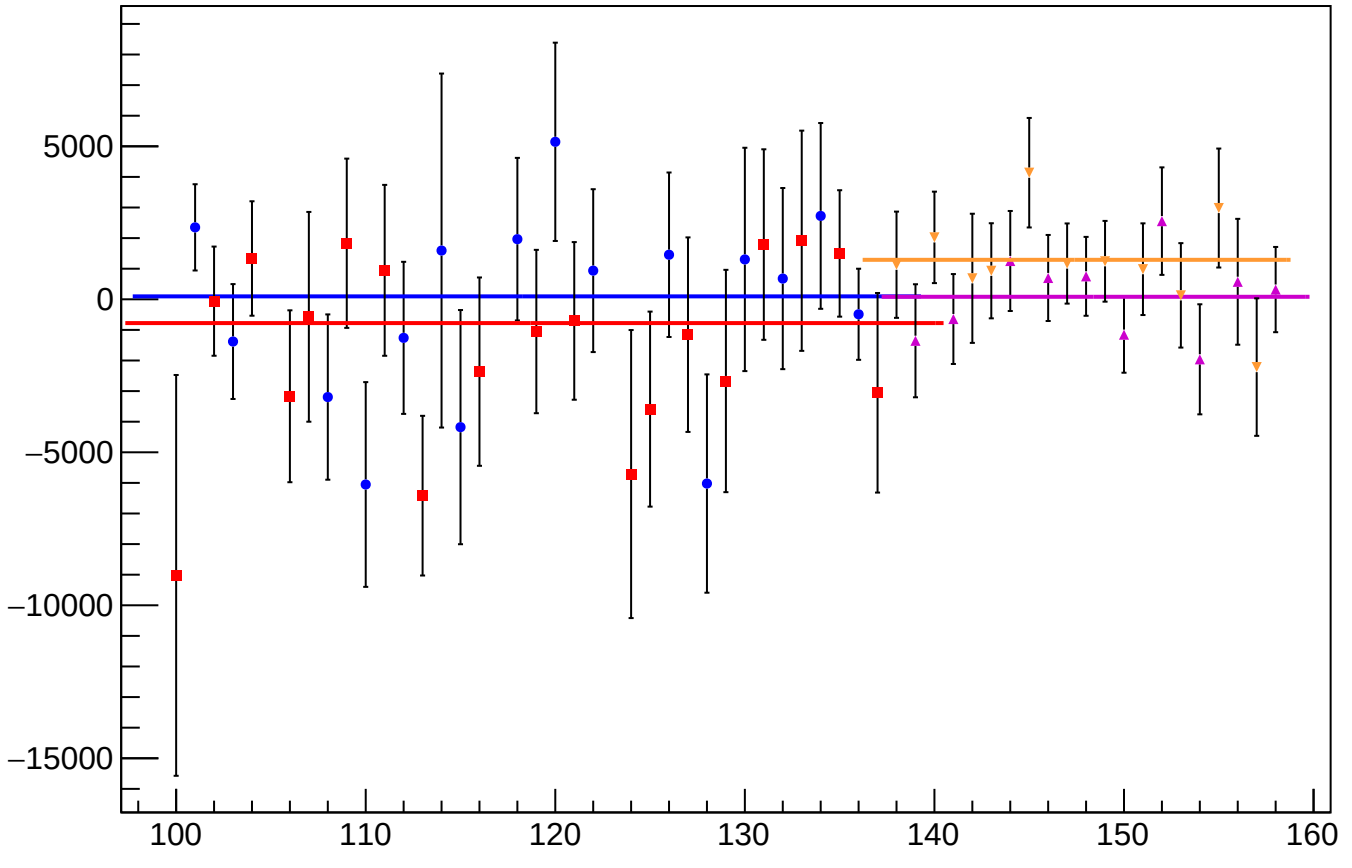
Left: 1099.106+/-0.186 χ^2/NDF: 5574.4/20

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1100.677+/-0.195 χ^2/NDF:16129.8/25

Out: 1102.994+/-0.194 χ^2/NDF:11859.0/29

All: 1101.842+/-0.137 χ^2/NDF: 28059.8/55



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1290.435+/-491.546 χ^2/NDF:6.6/10

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 82.224+/-483.959 χ^2/NDF:6.2/9

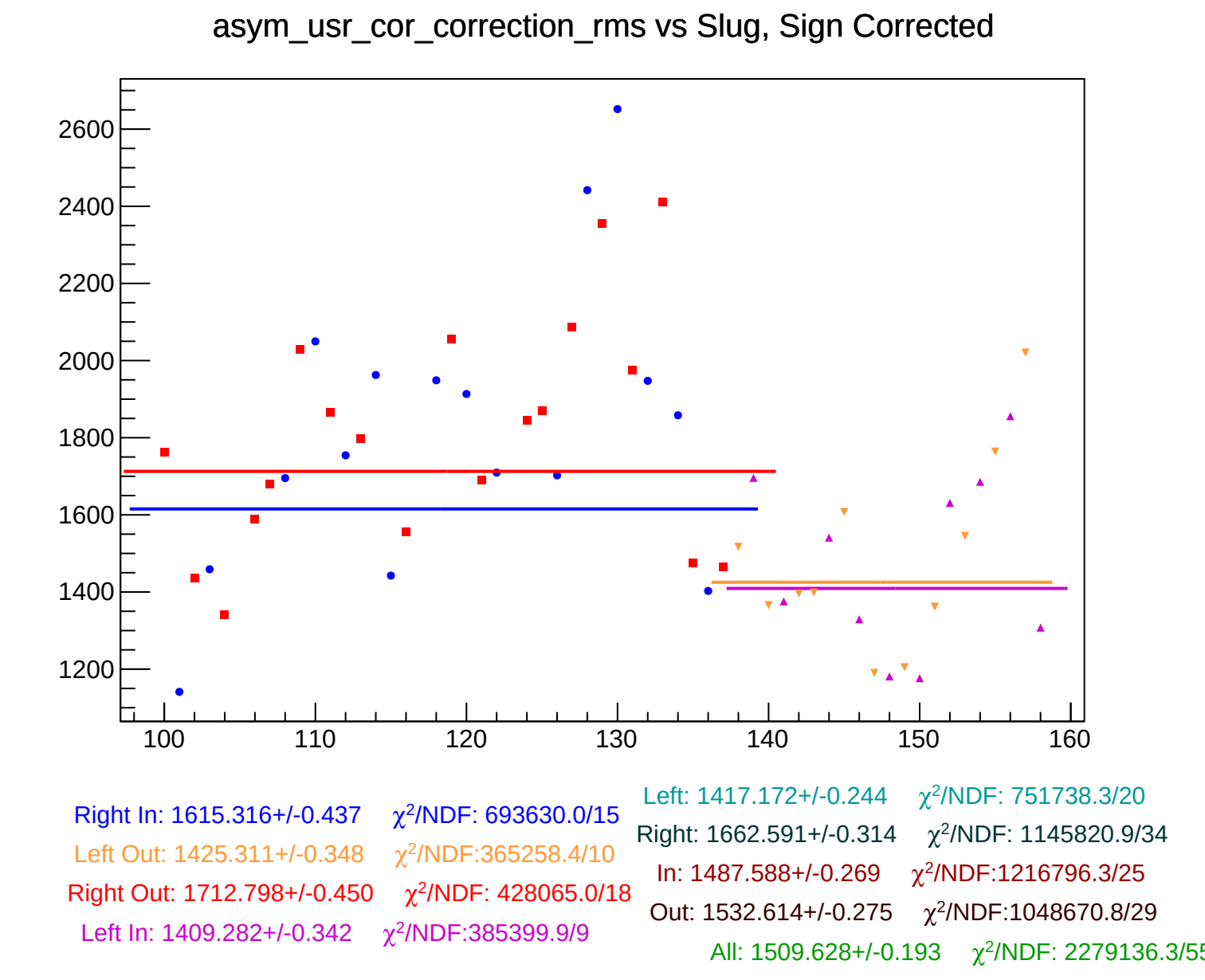
Left: 676.933+/-344.862 χ^2/NDF: 15.9/20

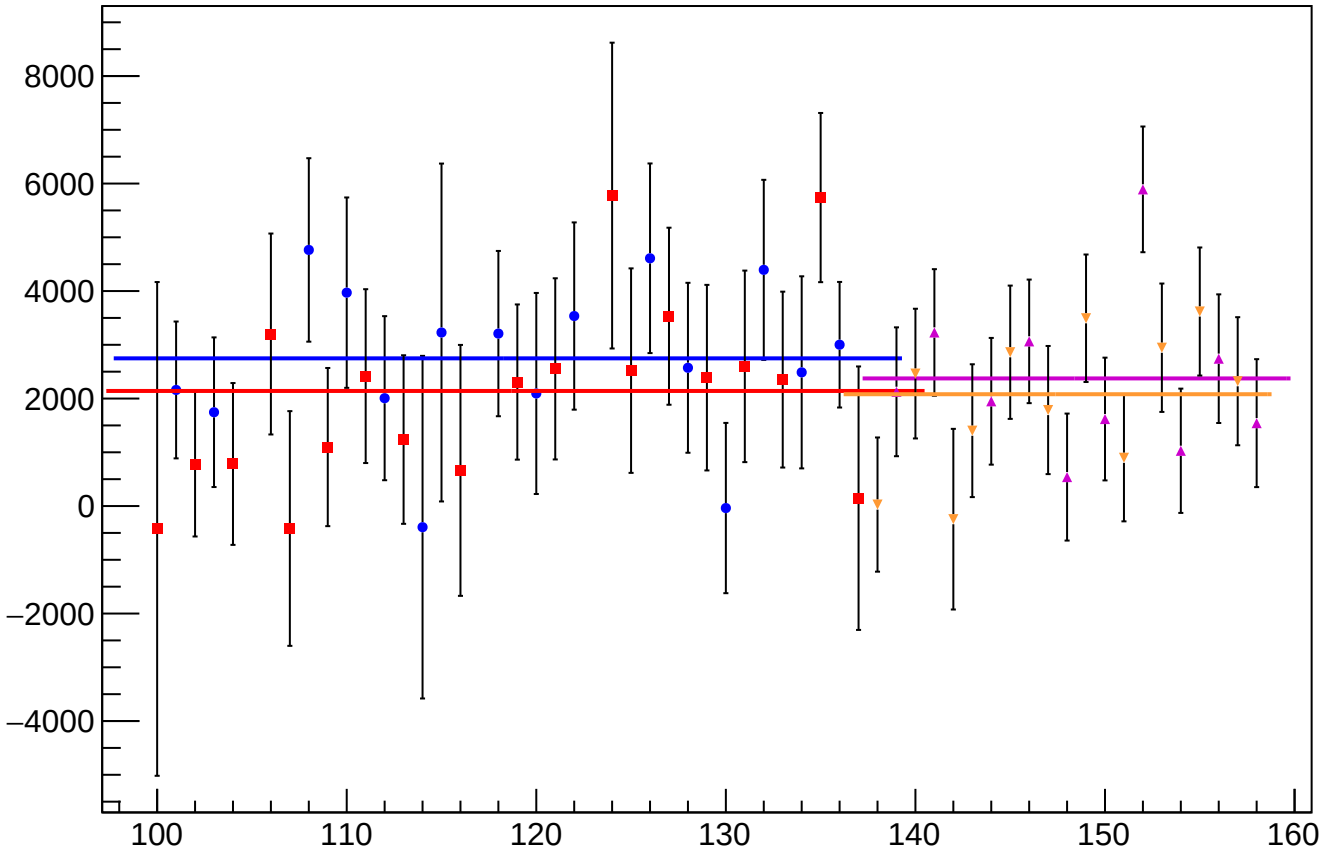
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 87.443+/-381.050 χ^2/NDF:23.1/25

Out: 518.778+/-389.146 χ^2/NDF:28.3/29

All: 298.577+/-272.261 χ^2/NDF: 52.0/55


asym_usr_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1425.311+/-0.348 χ²/NDF:365258.4/10
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1409.282+/-0.342 χ²/NDF:385399.9/9
Left: 1417.172+/-0.244 χ²/NDF: 751738.3/20
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1487.588+/-0.269 χ²/NDF:1216796.3/25
Out: 1532.614+/-0.275 χ²/NDF:1048670.8/29
All: 1509.628+/-0.193 χ²/NDF: 2279136.3/55



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2080.508+/-371.964 χ^2/NDF:10.1/10

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2374.350+/-371.123 χ^2/NDF:14.9/9

Left: 2227.762+/-262.721 χ^2/NDF: 25.3/20

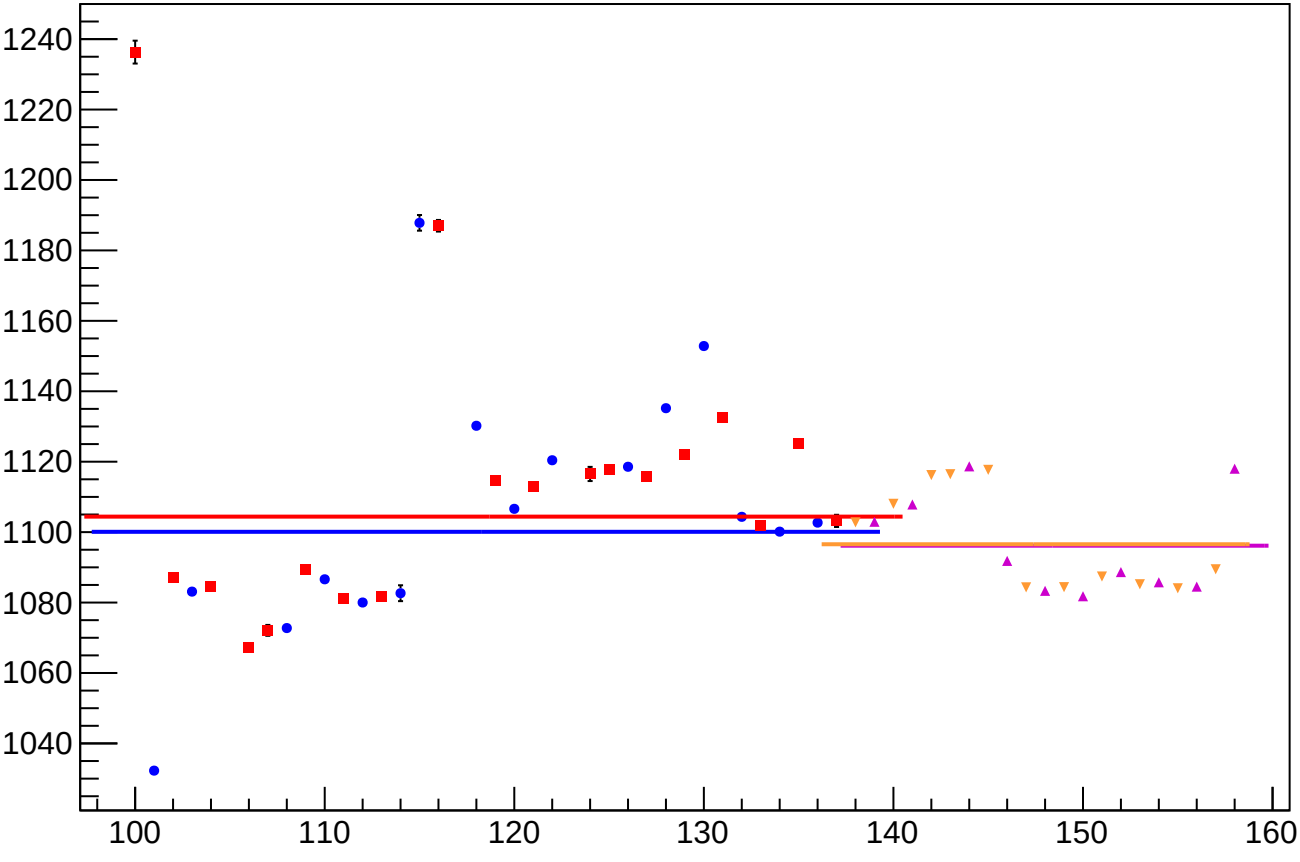
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2543.157+/-274.768 χ^2/NDF:24.9/25

Out: 2108.429+/-273.267 χ^2/NDF:23.7/29

All: 2324.602+/-193.757 χ^2/NDF: 49.8/55

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1096.556+/-0.263 χ^2/NDF:2617.3/10

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1096.148+/-0.262 χ^2/NDF:2679.4/9

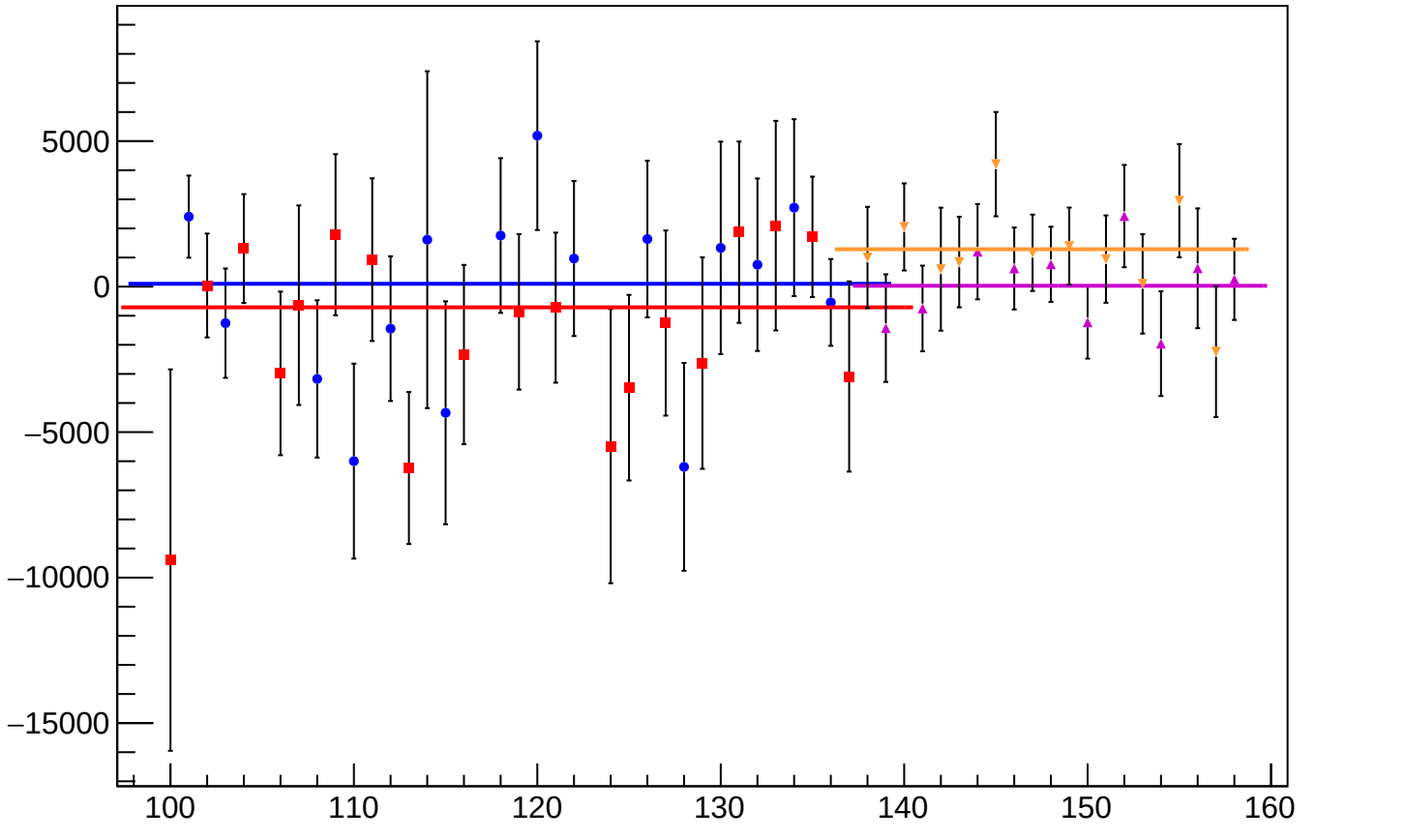
Left: 1096.351+/-0.186 χ^2/NDF: 5297.9/20

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1097.929+/-0.194 χ^2/NDF:15858.6/25

Out: 1100.168+/-0.193 χ^2/NDF:11570.5/29

All: 1099.055+/-0.137 χ^2/NDF: 27495.8/55



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1285.426+/-492.352 χ^2/NDF:6.9/10

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 29.024+/-484.685 χ^2/NDF:6.1/9

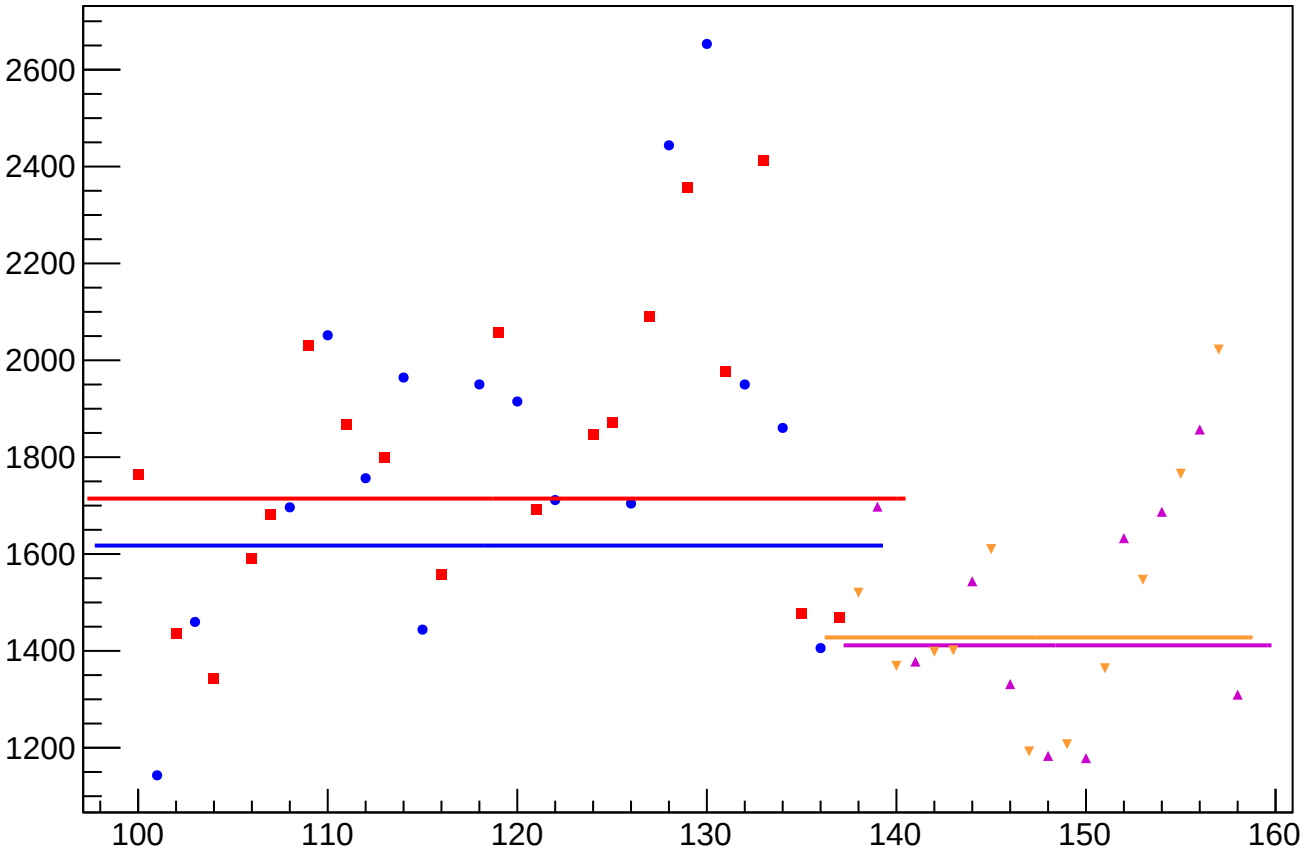
Left: 647.367+/-345.403 χ^2/NDF: 16.3/20

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 55.032+/-381.588 χ^2/NDF:23.4/25

Out: 539.543+/-389.688 χ^2/NDF:27.9/29

All: 292.200+/-272.642 χ^2/NDF: 52.1/55



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1427.746+/-0.348 χ^2/NDF:363807.1/10

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1411.476+/-0.343 χ^2/NDF:383904.2/9

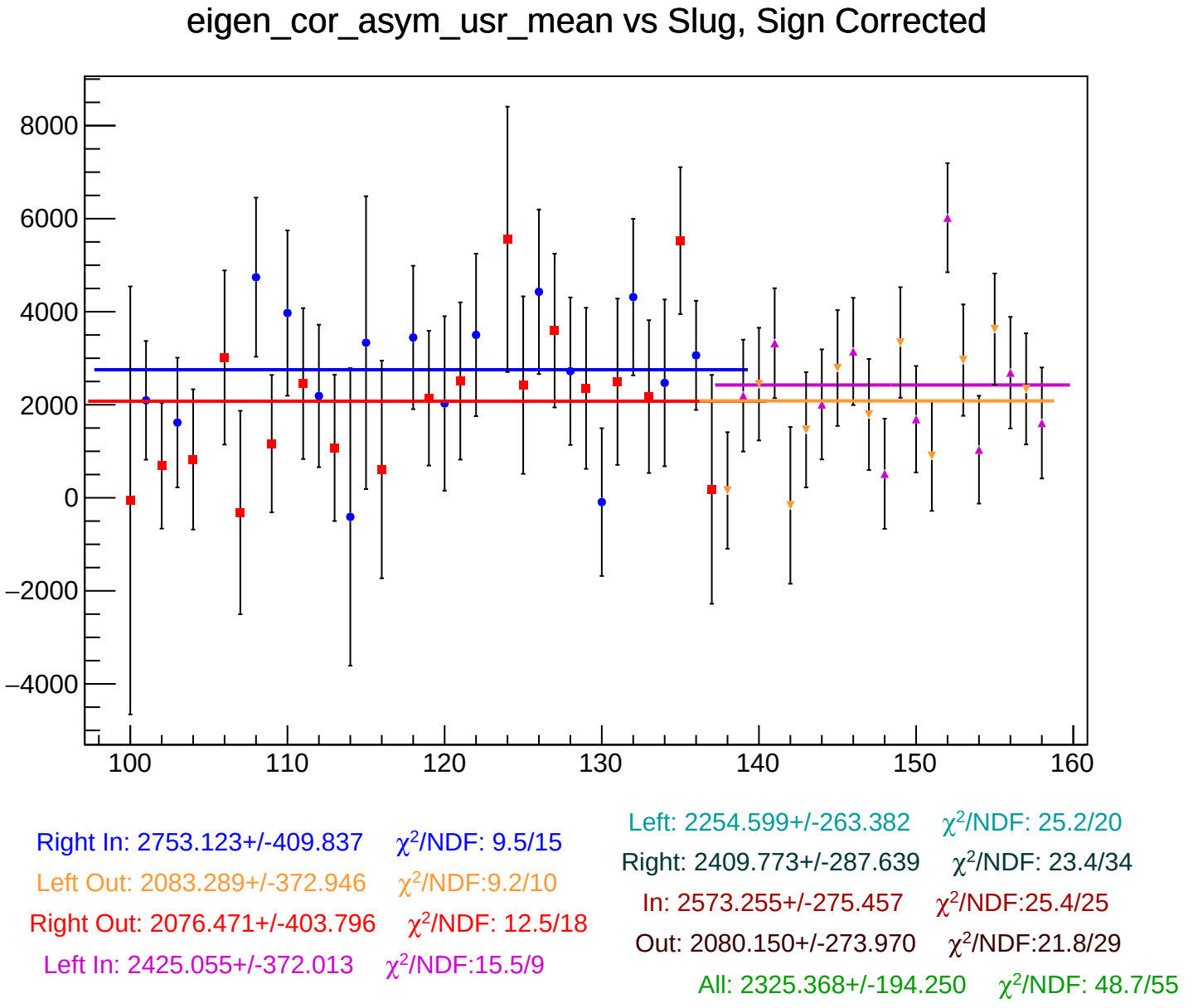
Left: 1419.483+/-0.244 χ^2/NDF: 748820.4/20

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

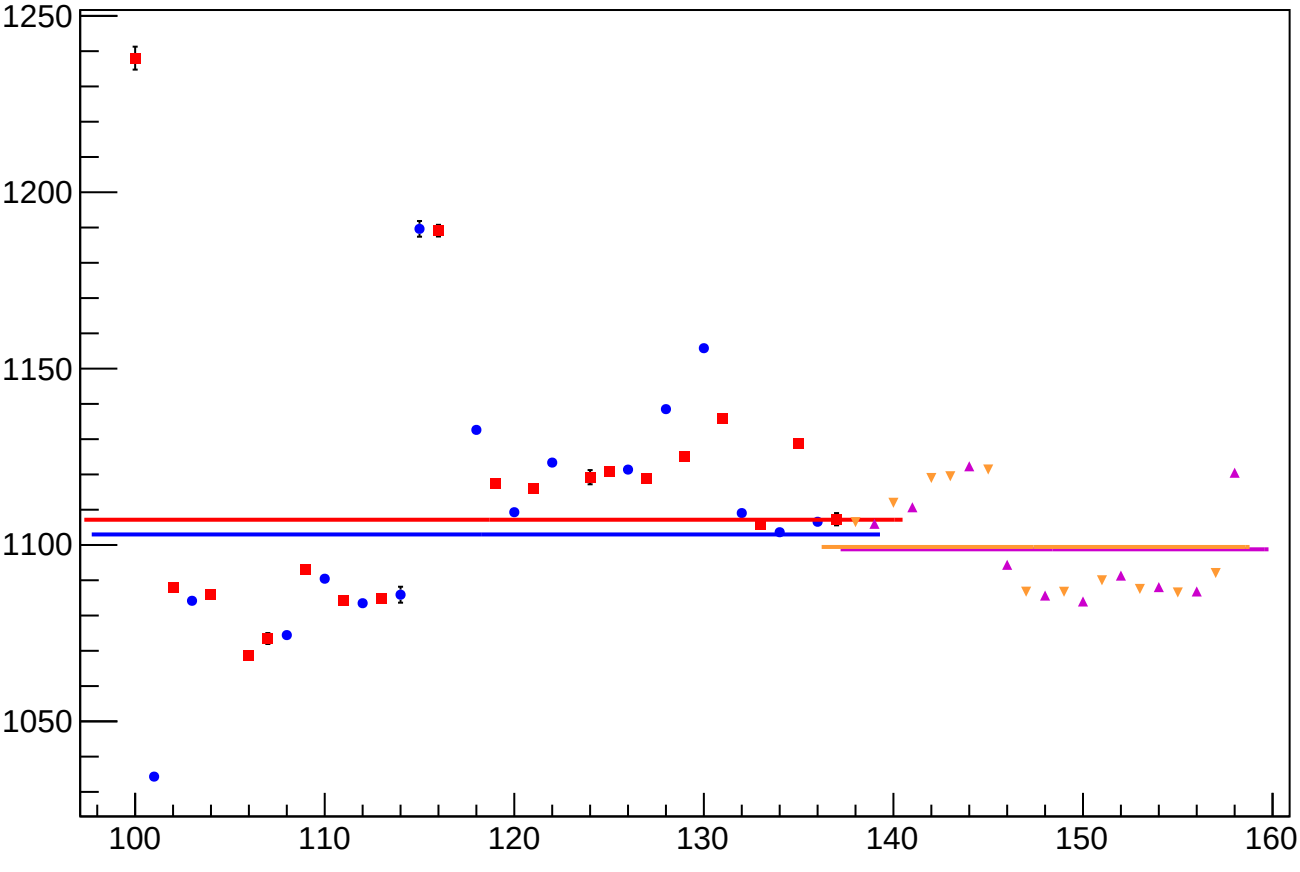
In: 1489.798+/-0.270 χ^2/NDF:1212998.8/25

Out: 1534.867+/-0.276 χ^2/NDF:1044957.4/29

All: 1511.859+/-0.193 χ^2/NDF: 2271613.5/55


eigen_cor_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 2083.289+/-372.946 χ²/NDF:9.2/10
Right Out: 2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: 2425.055+/-372.013 χ²/NDF:15.5/9
Left: 2254.599+/-263.382 χ²/NDF: 25.2/20
Right: 2409.773+/-287.639 χ²/NDF: 23.4/34
In: 2573.255+/-275.457 χ²/NDF:25.4/25
Out: 2080.150+/-273.970 χ²/NDF:21.8/29
All: 2325.368+/-194.250 χ²/NDF: 48.7/55

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1099.440+/-0.264 χ^2/NDF:2781.2/10

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

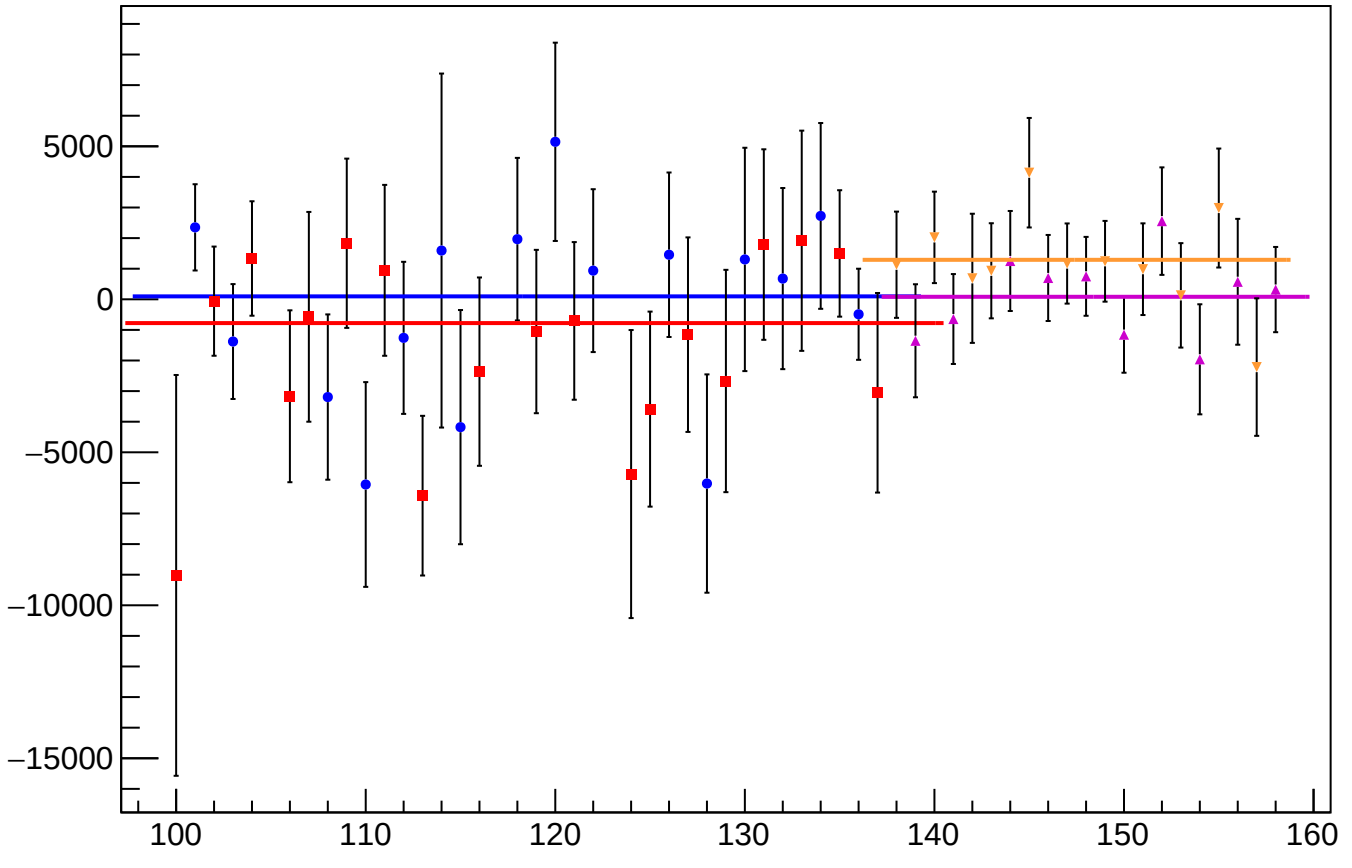
Left: 1099.106+/-0.186 χ^2/NDF: 5574.4/20

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1100.677+/-0.195 χ^2/NDF:16129.8/25

Out: 1102.994+/-0.194 χ^2/NDF:11859.0/29

All: 1101.842+/-0.137 χ^2/NDF: 28059.8/55



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1290.435+/-491.546 χ^2/NDF:6.6/10

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 82.224+/-483.959 χ^2/NDF:6.2/9

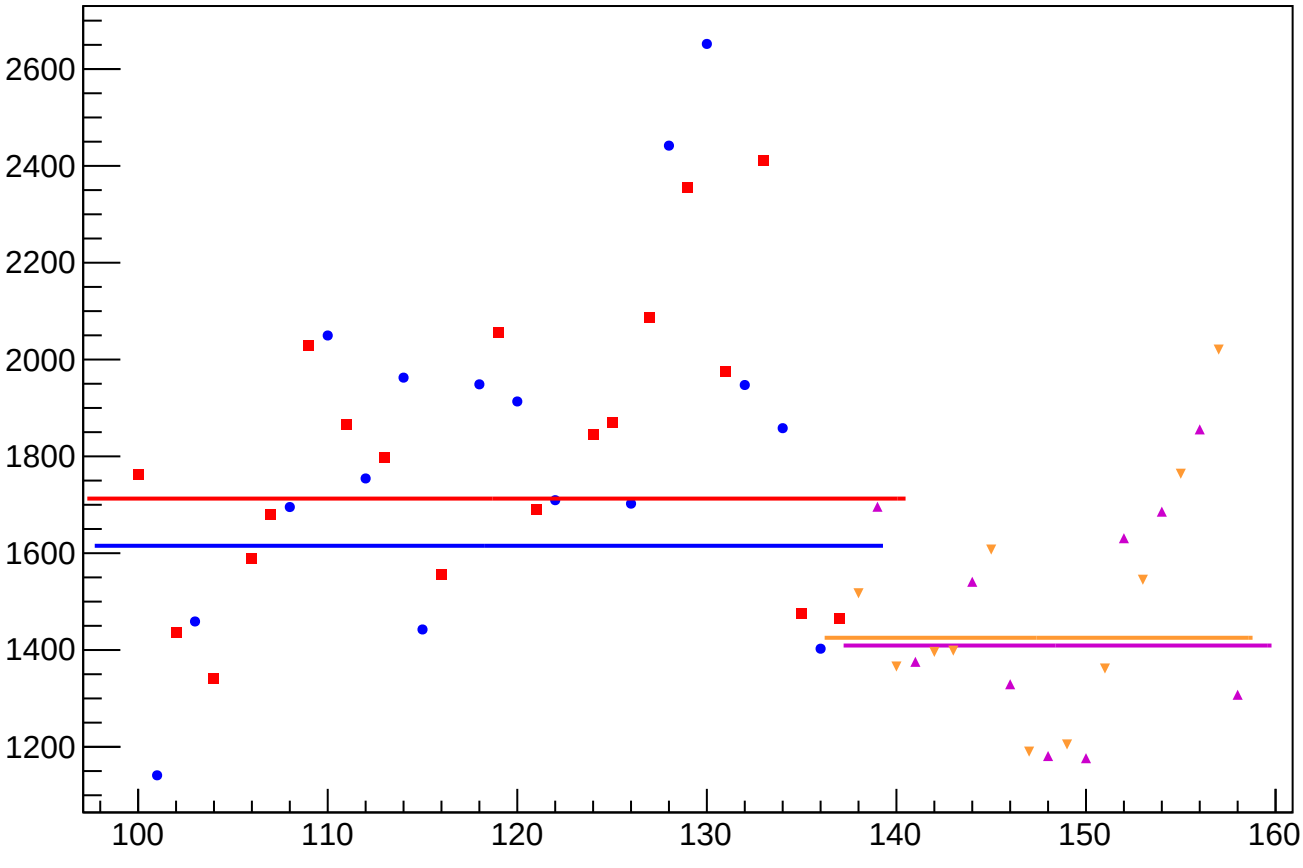
Left: 676.933+/-344.862 χ^2/NDF: 15.9/20

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 87.443+/-381.050 χ^2/NDF:23.1/25

Out: 518.778+/-389.146 χ^2/NDF:28.3/29

All: 298.577+/-272.261 χ^2/NDF: 52.0/55



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1425.311+/-0.348 χ^2/NDF:365258.4/10

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1409.282+/-0.342 χ^2/NDF:385399.9/9

Left: 1417.172+/-0.244 χ^2/NDF: 751738.3/20

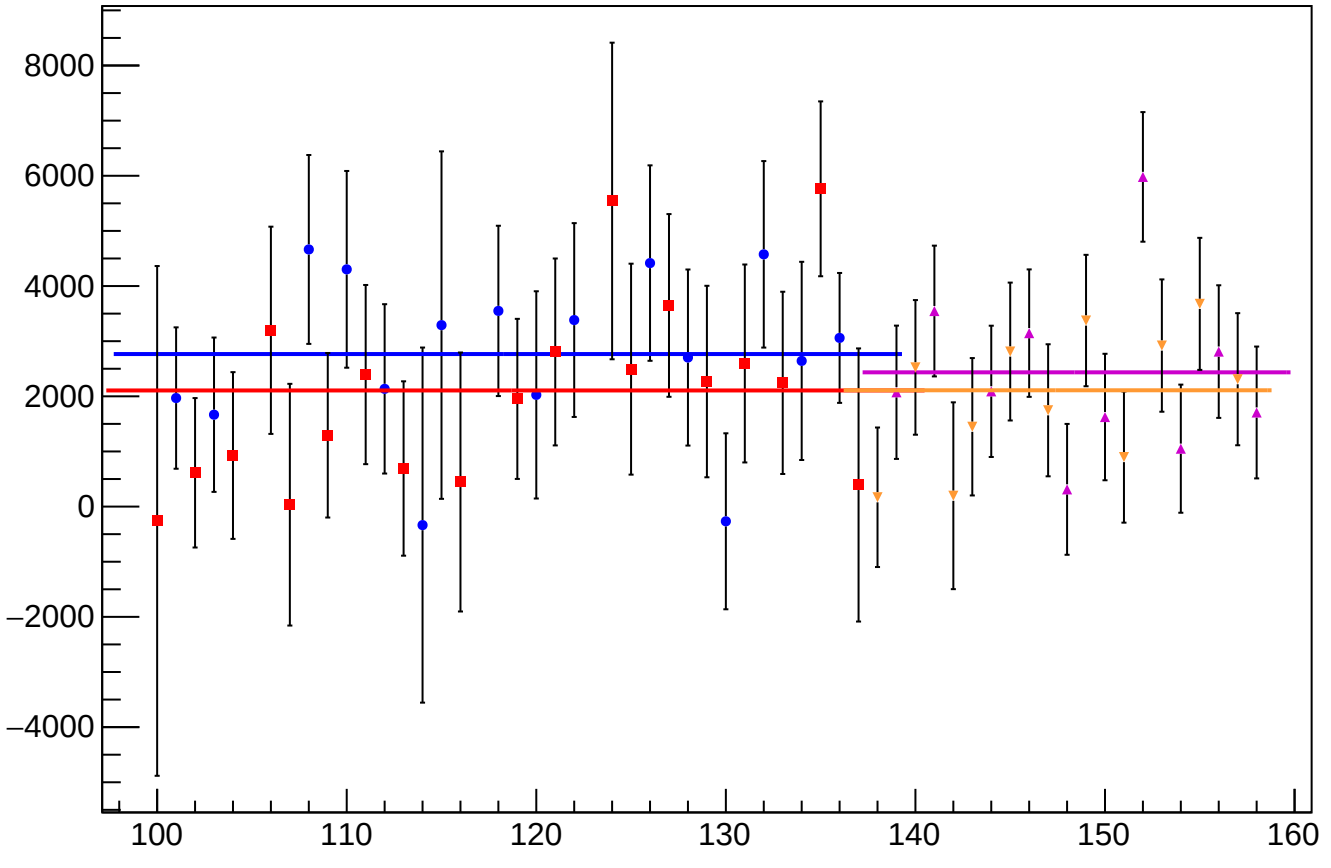
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1487.588+/-0.269 χ^2/NDF:1216796.3/25

Out: 1532.614+/-0.275 χ^2/NDF:1048670.8/29

All: 1509.628+/-0.193 χ^2/NDF: 2279136.3/55

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2109.556+/-374.634 χ^2/NDF:8.8/10

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2435.046+/-373.322 χ^2/NDF:16.1/9

Left: 2272.872+/-264.441 χ^2/NDF: 25.3/20

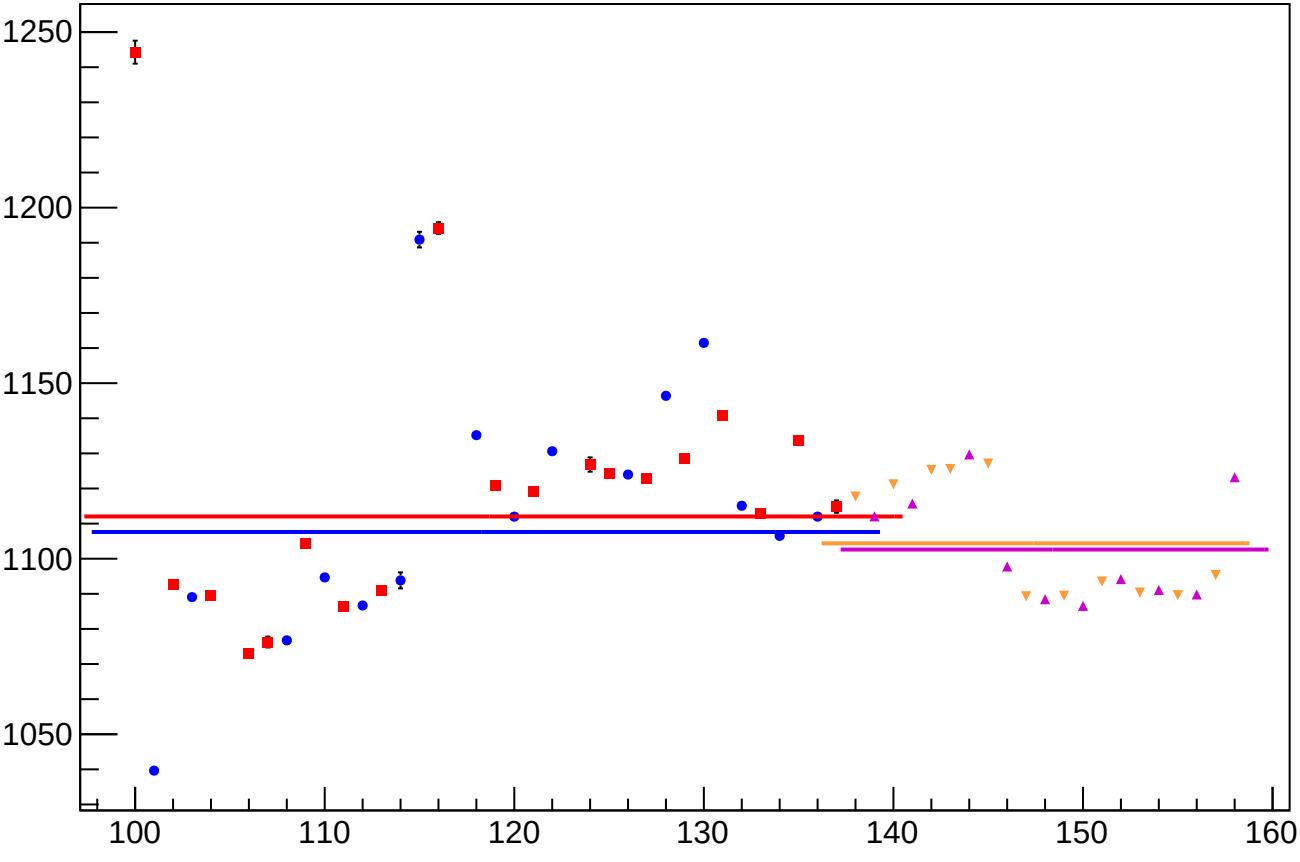
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2584.733+/-276.512 χ^2/NDF:26.8/25

Out: 2108.083+/-275.199 χ^2/NDF:22.1/29

All: 2345.274+/-195.058 χ^2/NDF: 50.4/55

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1104.383+/-0.265 χ^2/NDF:3632.7/10

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1102.613+/-0.264 χ^2/NDF:3232.0/9

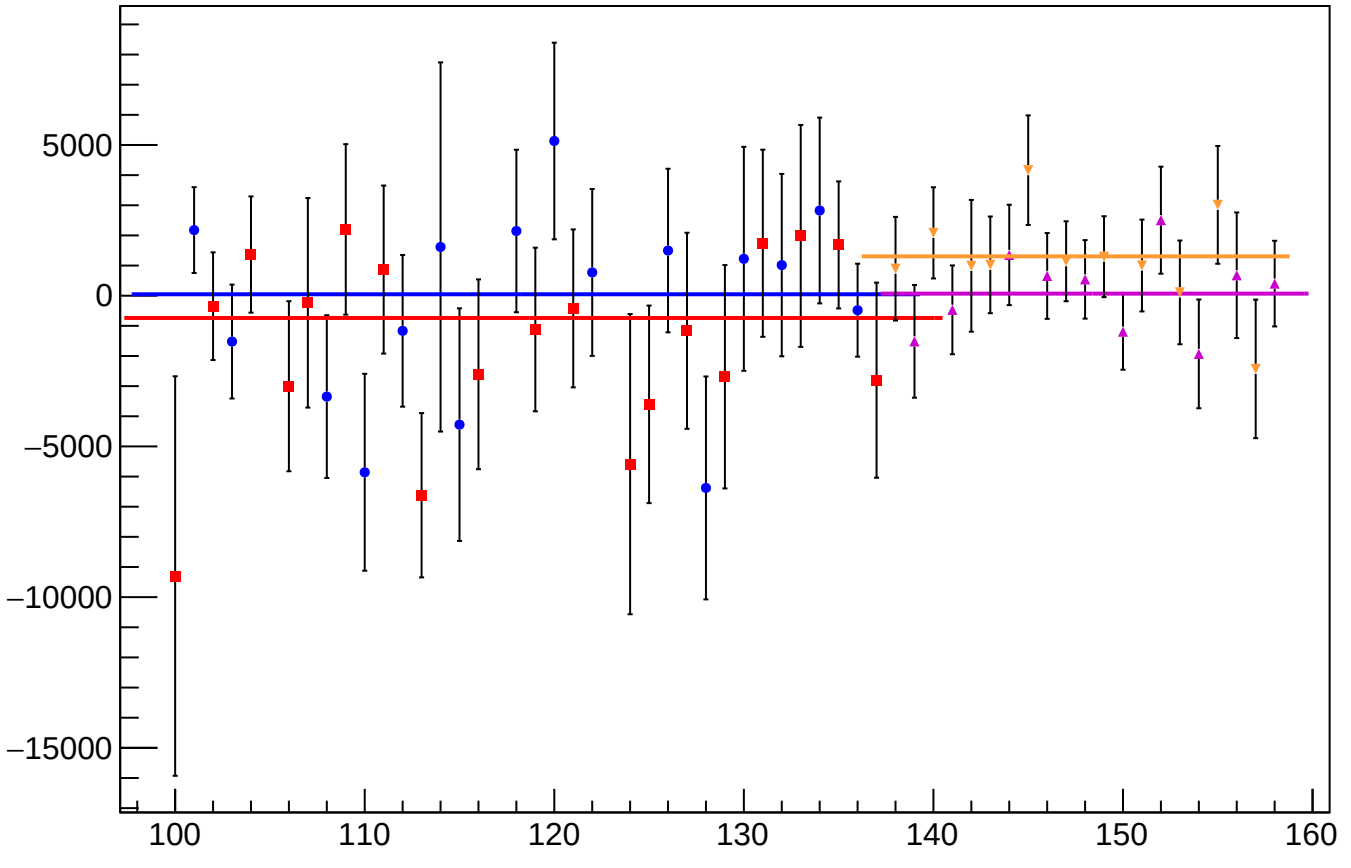
Left: 1103.495+/-0.187 χ^2/NDF: 6887.1/20

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1104.870+/-0.196 χ^2/NDF:16614.8/25

Out: 1107.903+/-0.195 χ^2/NDF:12669.7/29

All: 1106.394+/-0.138 χ^2/NDF: 29405.5/55



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1305.388+/-498.734 χ^2/NDF:6.8/10

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 69.354+/-489.738 χ^2/NDF:6.0/9

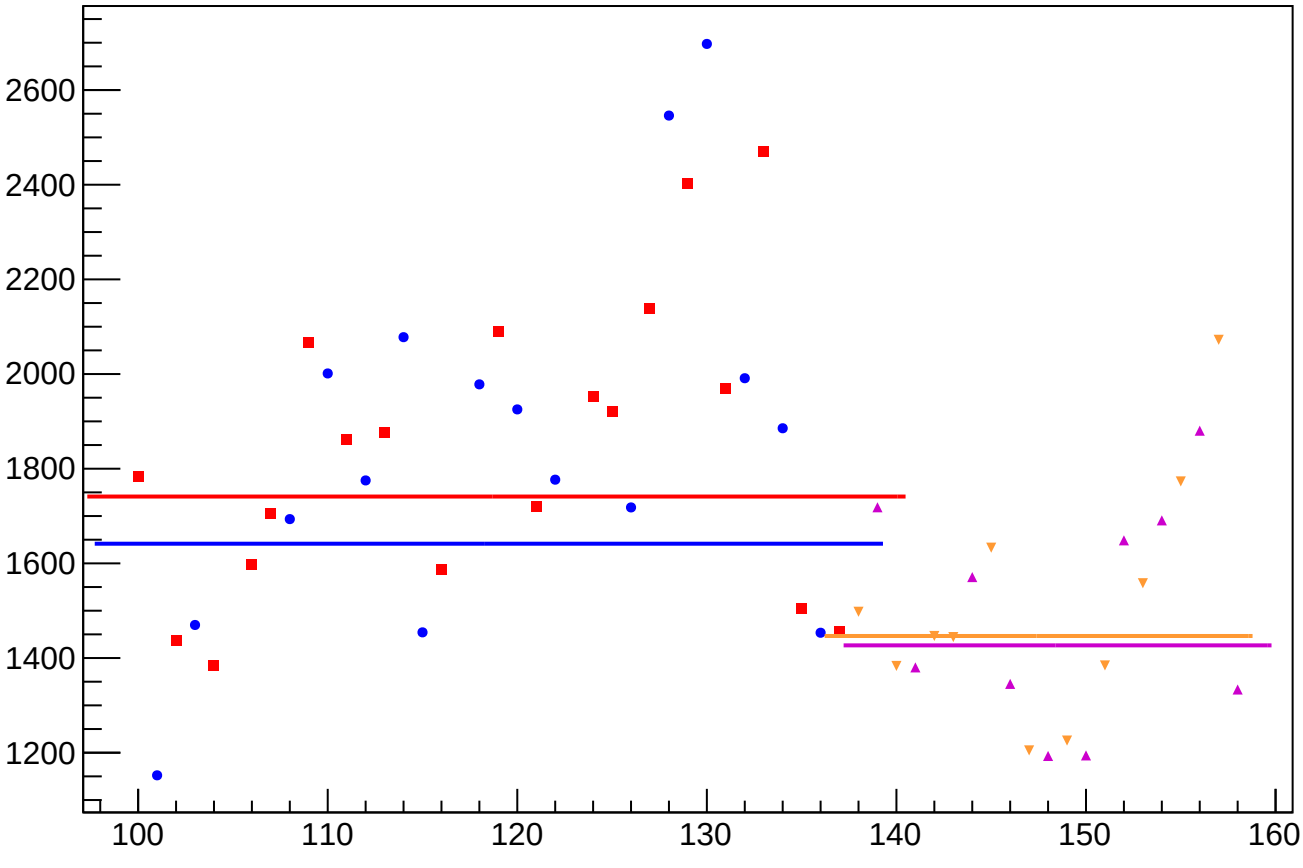
Left: 676.123+/-349.434 χ^2/NDF: 15.9/20

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 61.211+/-386.204 χ^2/NDF:22.9/25

Out: 544.873+/-395.182 χ^2/NDF:28.0/29

All: 297.485+/-276.207 χ^2/NDF: 51.6/55



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1446.579+/-0.353 χ^2/NDF:362902.3/10

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1426.767+/-0.346 χ^2/NDF:382008.5/9

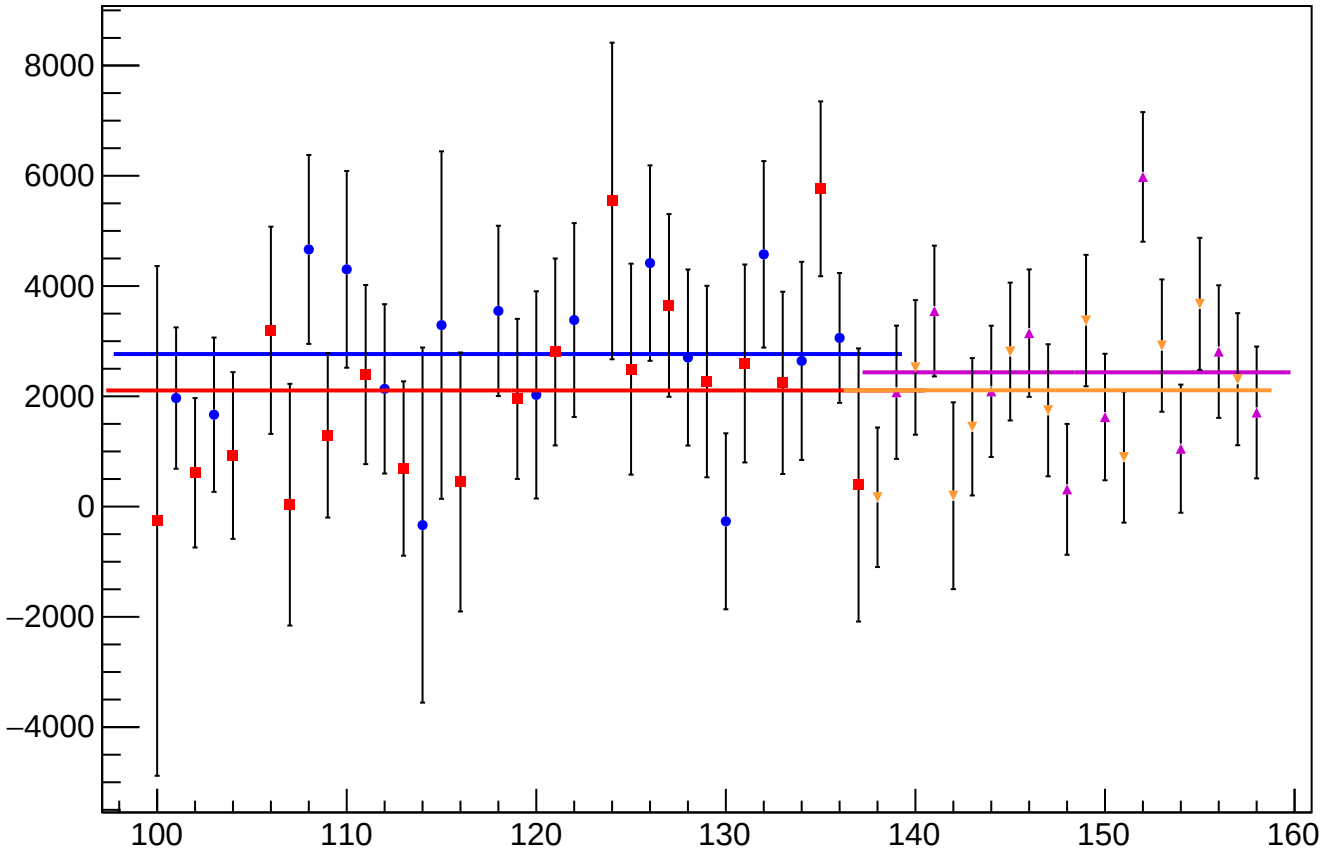
Left: 1436.493+/-0.247 χ^2/NDF: 746517.6/20

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1507.976+/-0.273 χ^2/NDF:1228760.0/25

Out: 1556.222+/-0.279 χ^2/NDF:1060977.5/29

All: 1531.545+/-0.195 χ^2/NDF: 2304985.0/55



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2109.555+/-374.634 χ^2/NDF:8.8/10

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2435.046+/-373.322 χ^2/NDF:16.1/9

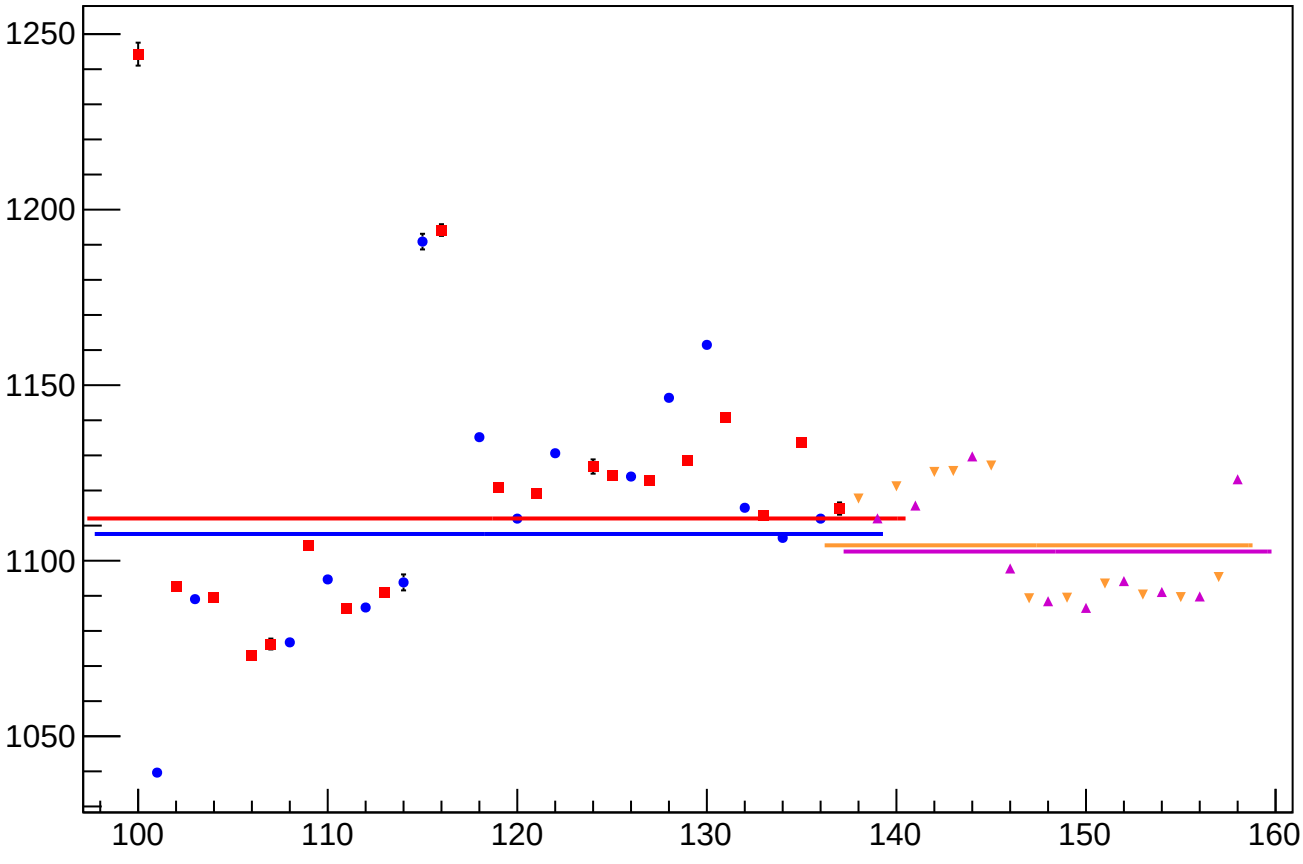
Left: 2272.871+/-264.441 χ^2/NDF: 25.3/20

Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2584.733+/-276.512 χ^2/NDF:26.8/25

Out: 2108.084+/-275.199 χ^2/NDF:22.1/29

All: 2345.274+/-195.058 χ^2/NDF: 50.4/55



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1104.383+/-0.265 χ^2/NDF:3632.7/10

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1102.613+/-0.264 χ^2/NDF:3232.0/9

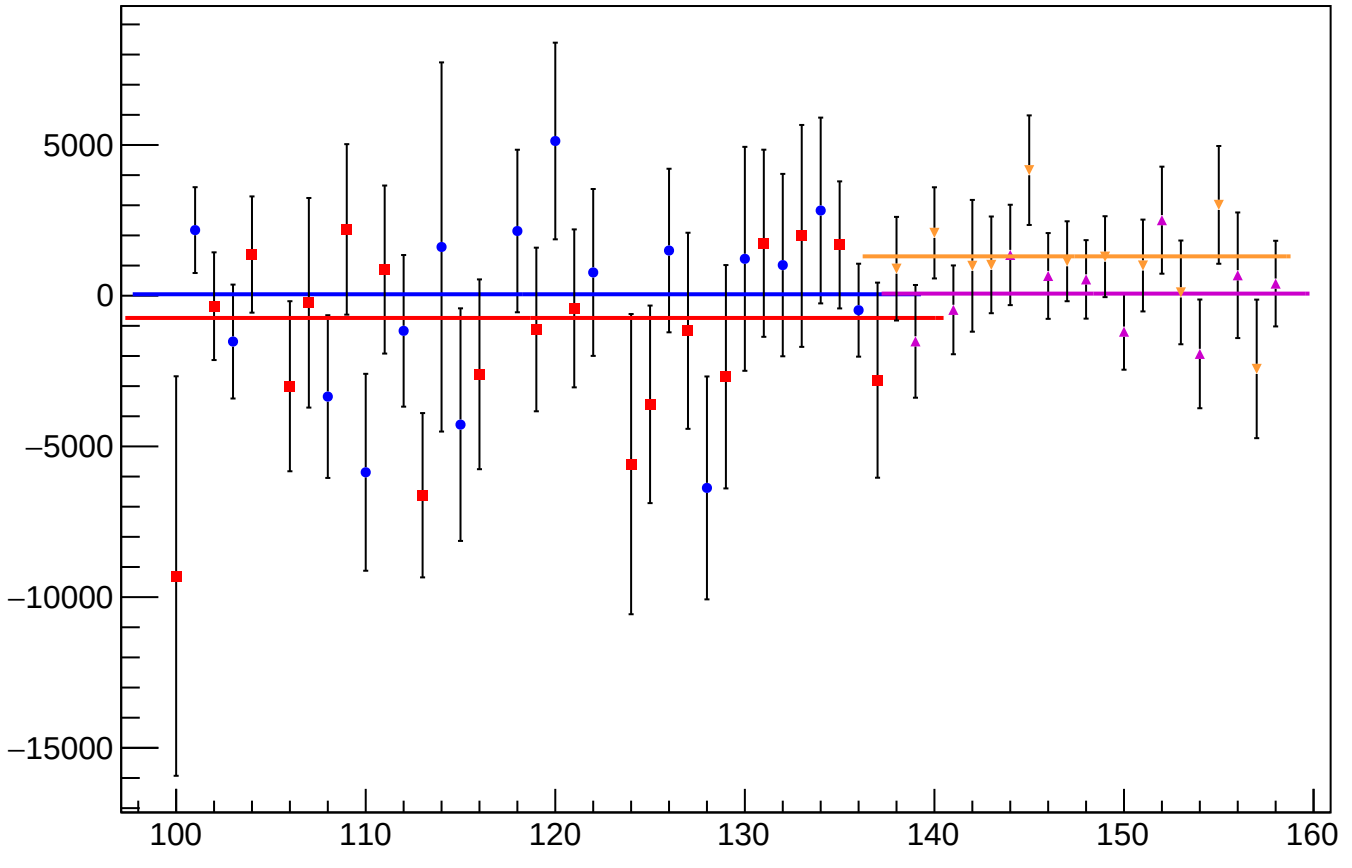
Left: 1103.495+/-0.187 χ^2/NDF: 6887.1/20

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1104.870+/-0.196 χ^2/NDF:16614.7/25

Out: 1107.903+/-0.195 χ^2/NDF:12669.7/29

All: 1106.394+/-0.138 χ^2/NDF: 29405.3/55



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1305.388+/-498.735 χ^2/NDF:6.8/10

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 69.355+/-489.739 χ^2/NDF:6.0/9

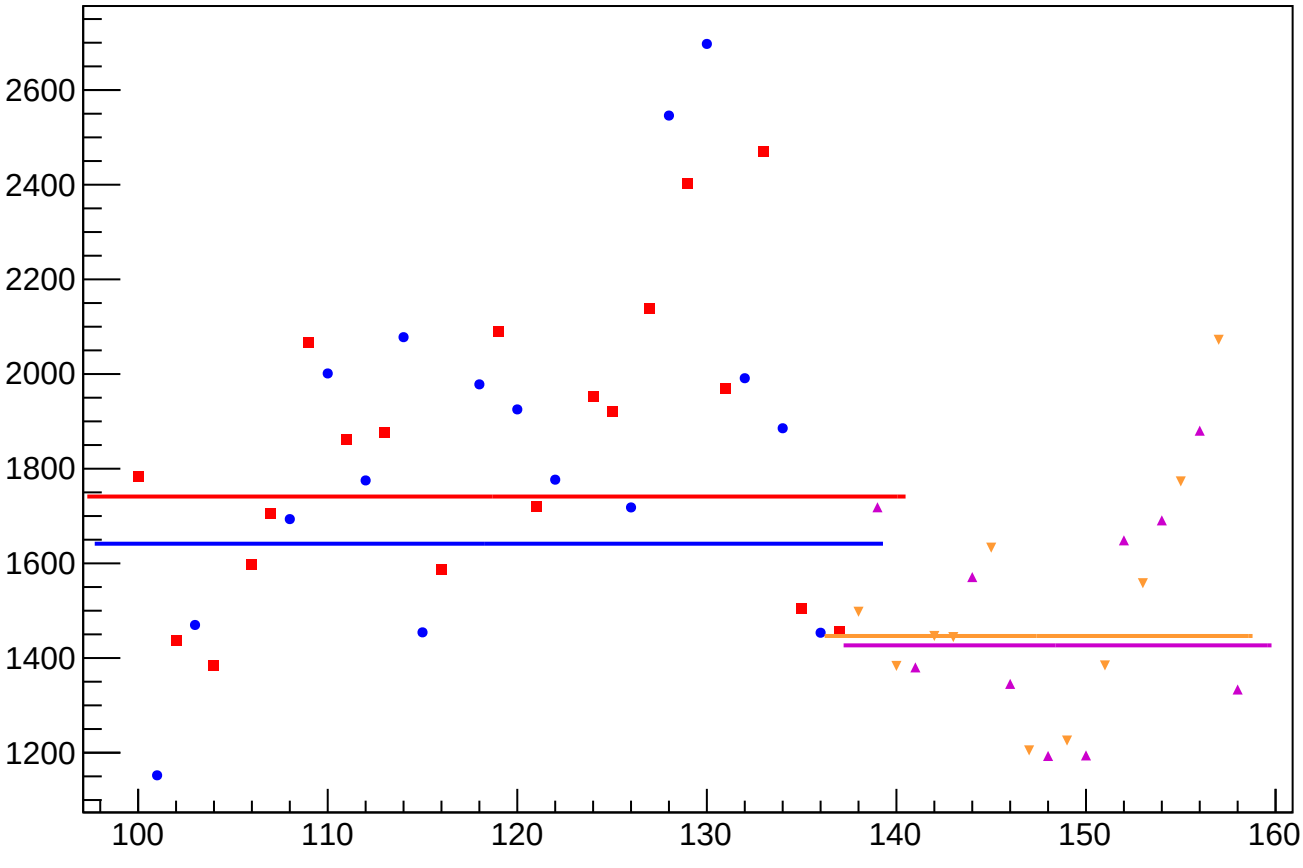
Left: 676.124+/-349.435 χ^2/NDF: 15.9/20

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: 61.209+/-386.204 χ^2/NDF:22.9/25

Out: 544.868+/-395.182 χ^2/NDF:28.0/29

All: 297.483+/-276.207 χ^2/NDF: 51.6/55



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1446.583+/-0.353 χ^2/NDF:362906.9/10

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1426.770+/-0.346 χ^2/NDF:382013.5/9

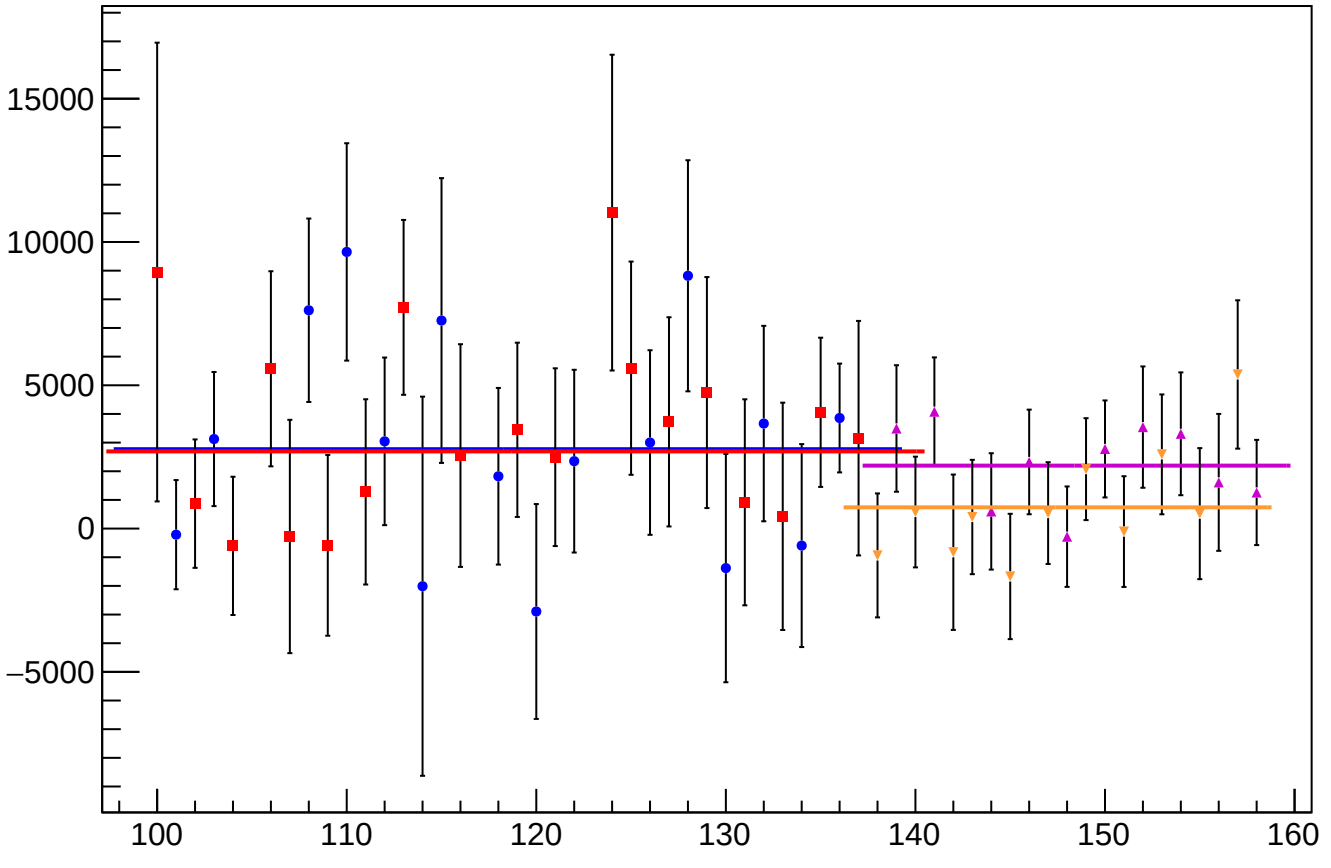
Left: 1436.496+/-0.247 χ^2/NDF: 746527.2/20

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1507.978+/-0.273 χ^2/NDF:1228745.5/25

Out: 1556.224+/-0.279 χ^2/NDF:1060961.8/29

All: 1531.547+/-0.195 χ^2/NDF: 2304954.9/55



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 740.596+/-626.304 χ^2/NDF:7.0/10

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2196.316+/-618.402 χ^2/NDF:5.1/9

Left: 1477.697+/-440.044 χ^2/NDF: 14.8/20

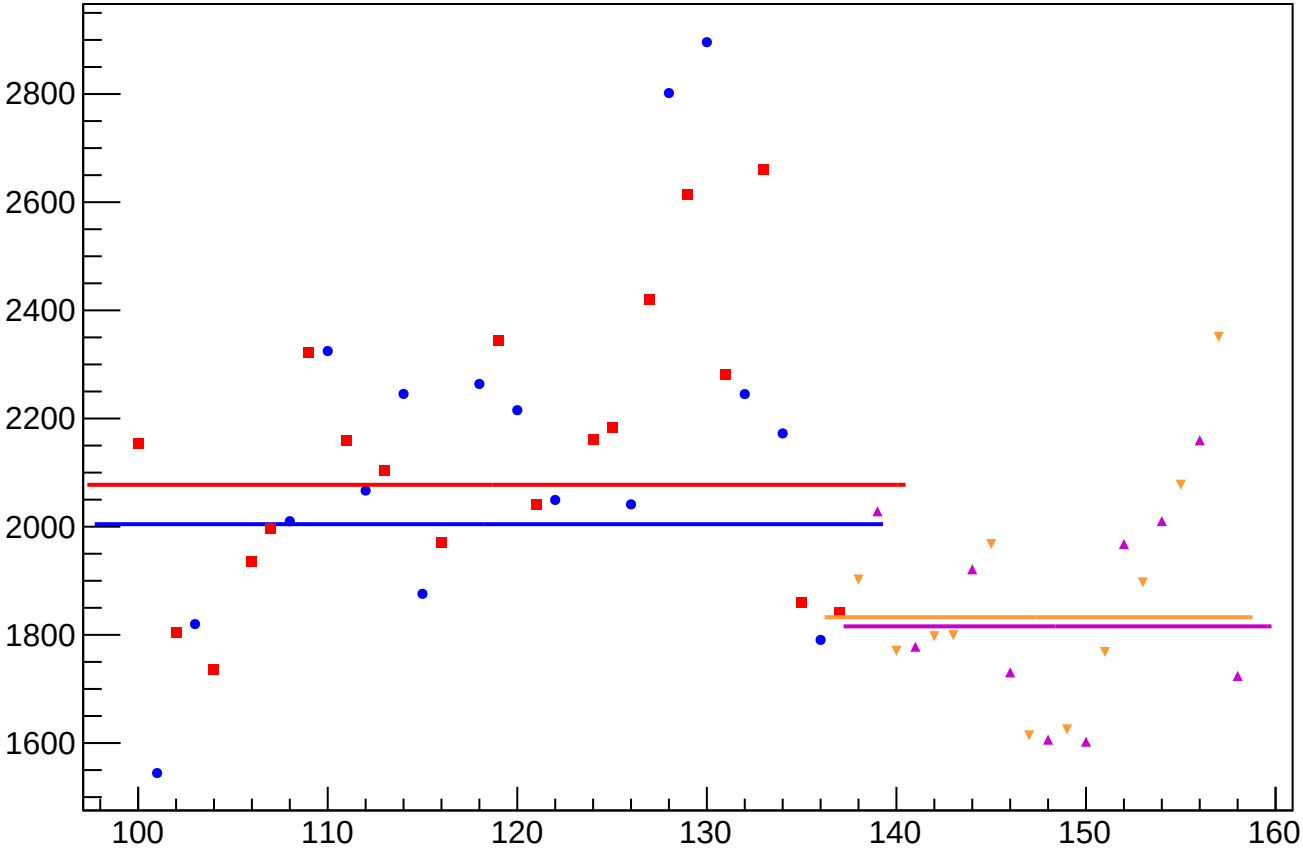
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2425.871+/-478.942 χ^2/NDF:21.9/25

Out: 1523.008+/-484.802 χ^2/NDF:23.4/29

All: 1979.928+/-340.716 χ^2/NDF: 47.0/55

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1832.624+/-0.443 χ^2/NDF:177501.1/10

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1815.745+/-0.437 χ^2/NDF:162805.9/9

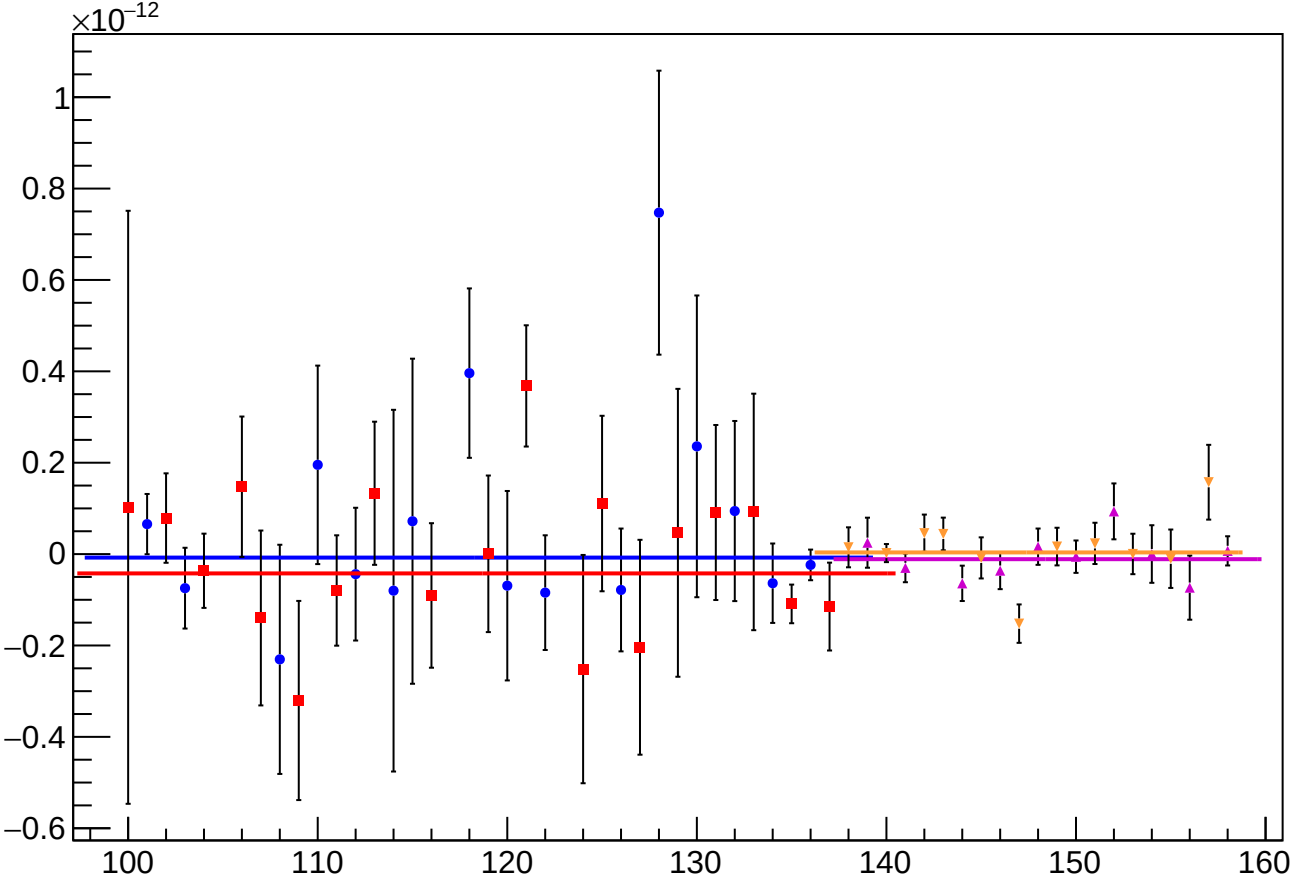
Left: 1824.077+/-0.311 χ^2/NDF: 341042.5/20

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1891.334+/-0.339 χ^2/NDF:625045.0/25

Out: 1930.775+/-0.343 χ^2/NDF:530530.4/29

All: 1910.815+/-0.241 χ^2/NDF: 1162274.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/9

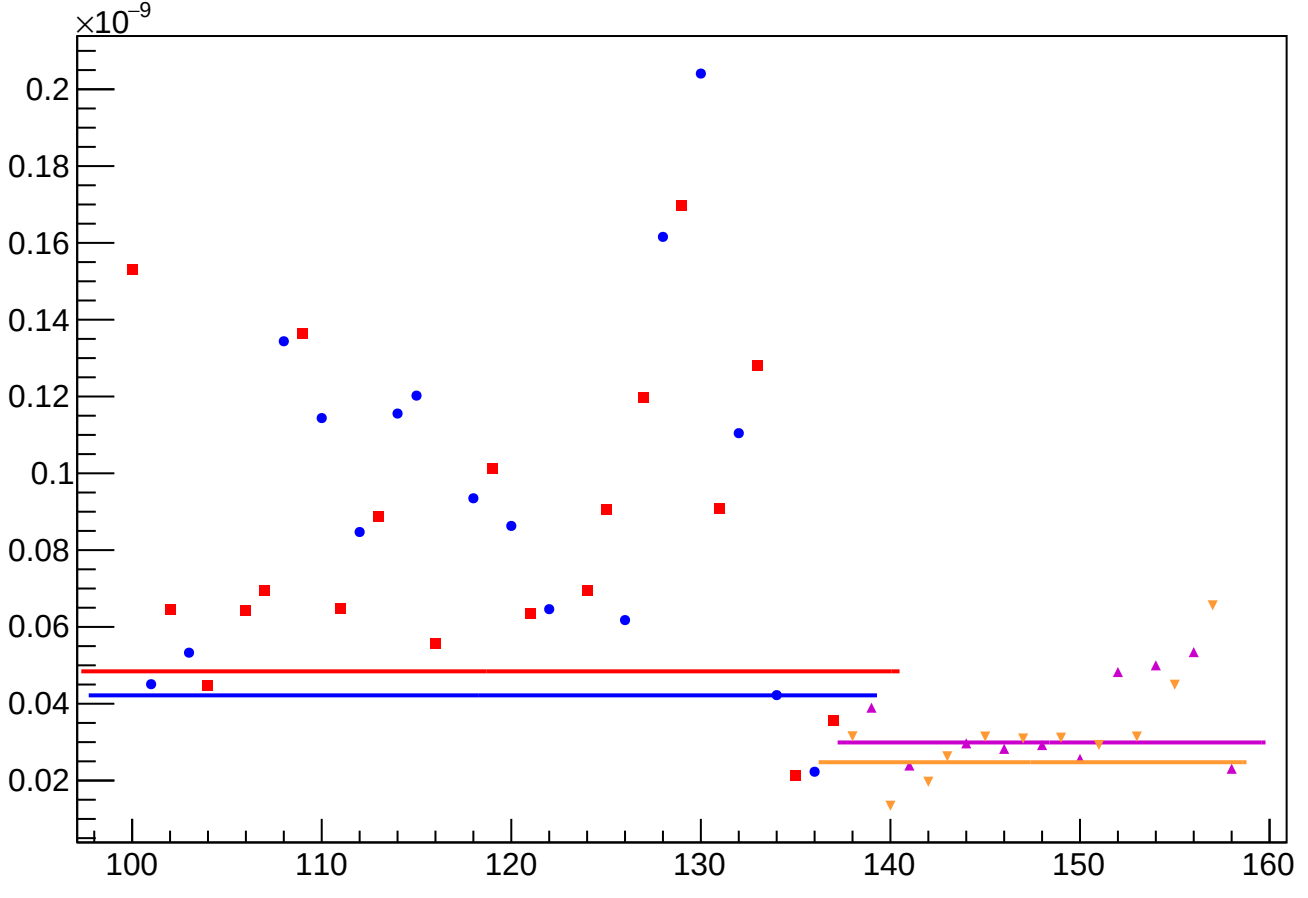
Left: -0.000+/-0.000 χ^2/NDF: 28.4/20

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:24.1/25

Out: -0.000+/-0.000 χ^2/NDF:44.3/29

All: -0.000+/-0.000 χ^2/NDF: 68.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636265.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:860084.0/9

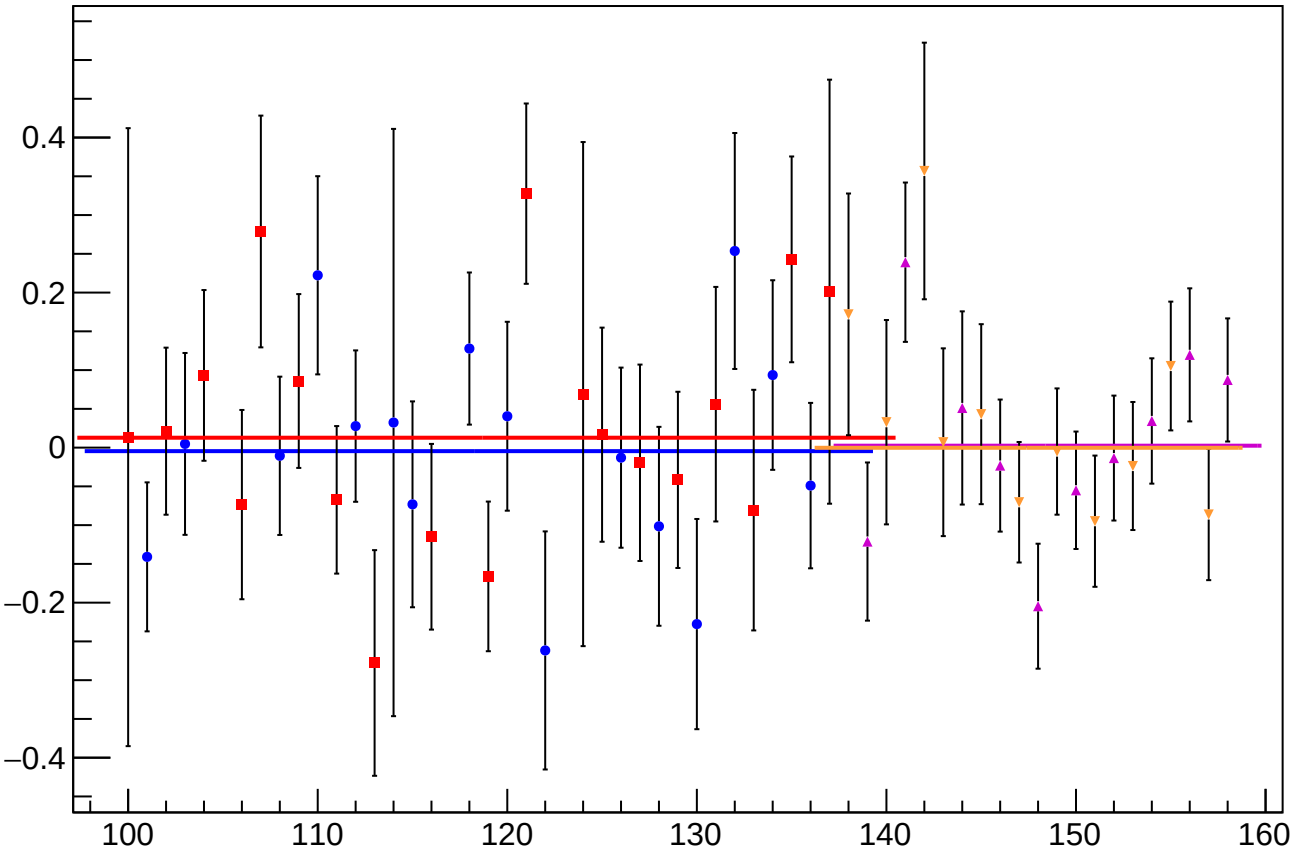
Left: 0.000+/-0.000 χ^2/NDF: 2668680.0/20

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:4187702.8/25

Out: 0.000+/-0.000 χ^2/NDF:5538490.3/29

All: 0.000+/-0.000 χ^2/NDF: 9874729.0/55



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.002+/-0.027 χ^2/NDF:17.4/9

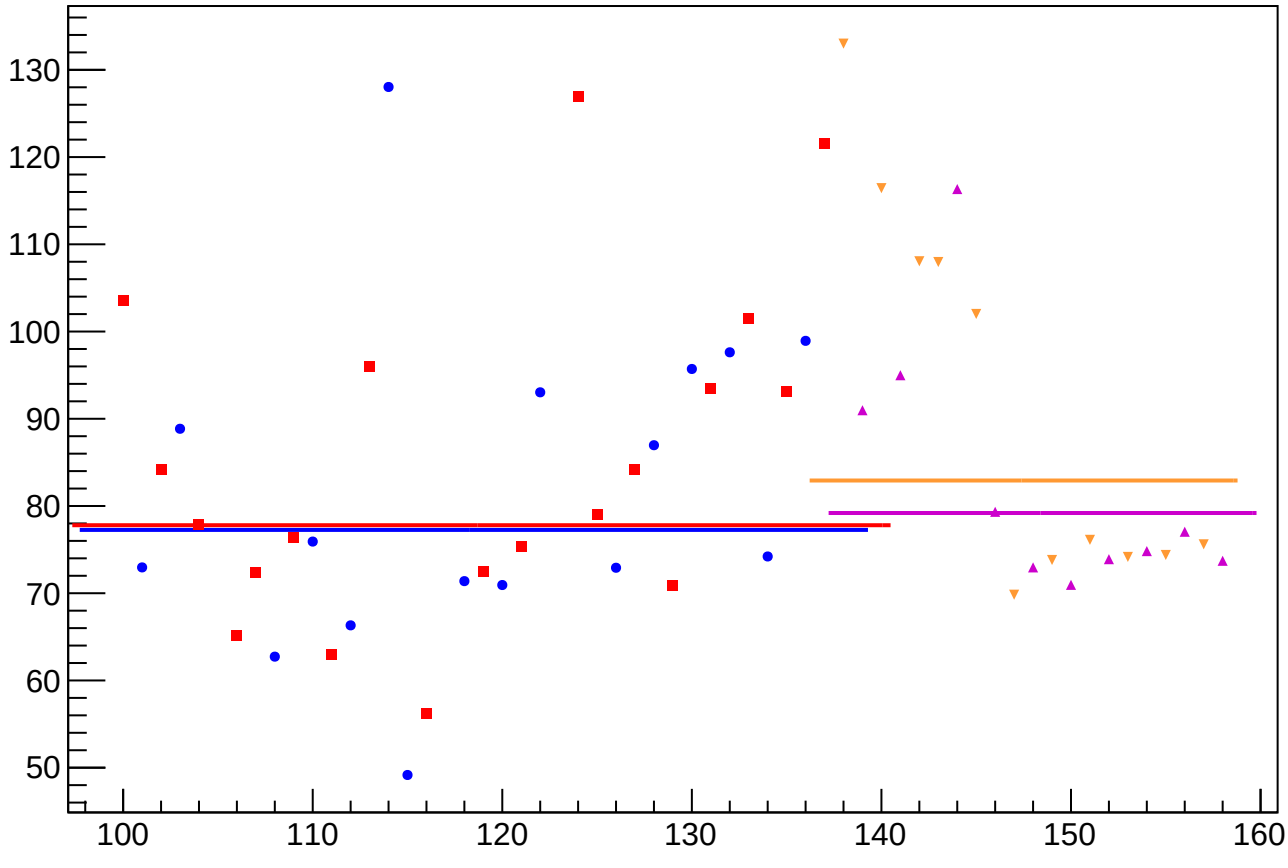
Left: 0.001+/-0.020 χ^2/NDF: 28.3/20

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.001+/-0.020 χ^2/NDF:34.7/25

Out: 0.006+/-0.021 χ^2/NDF:36.4/29

All: 0.003+/-0.015 χ^2/NDF: 71.2/55



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.923+/-0.021 χ^2/NDF:674693.1/10

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.197+/-0.019 χ^2/NDF:312353.1/9

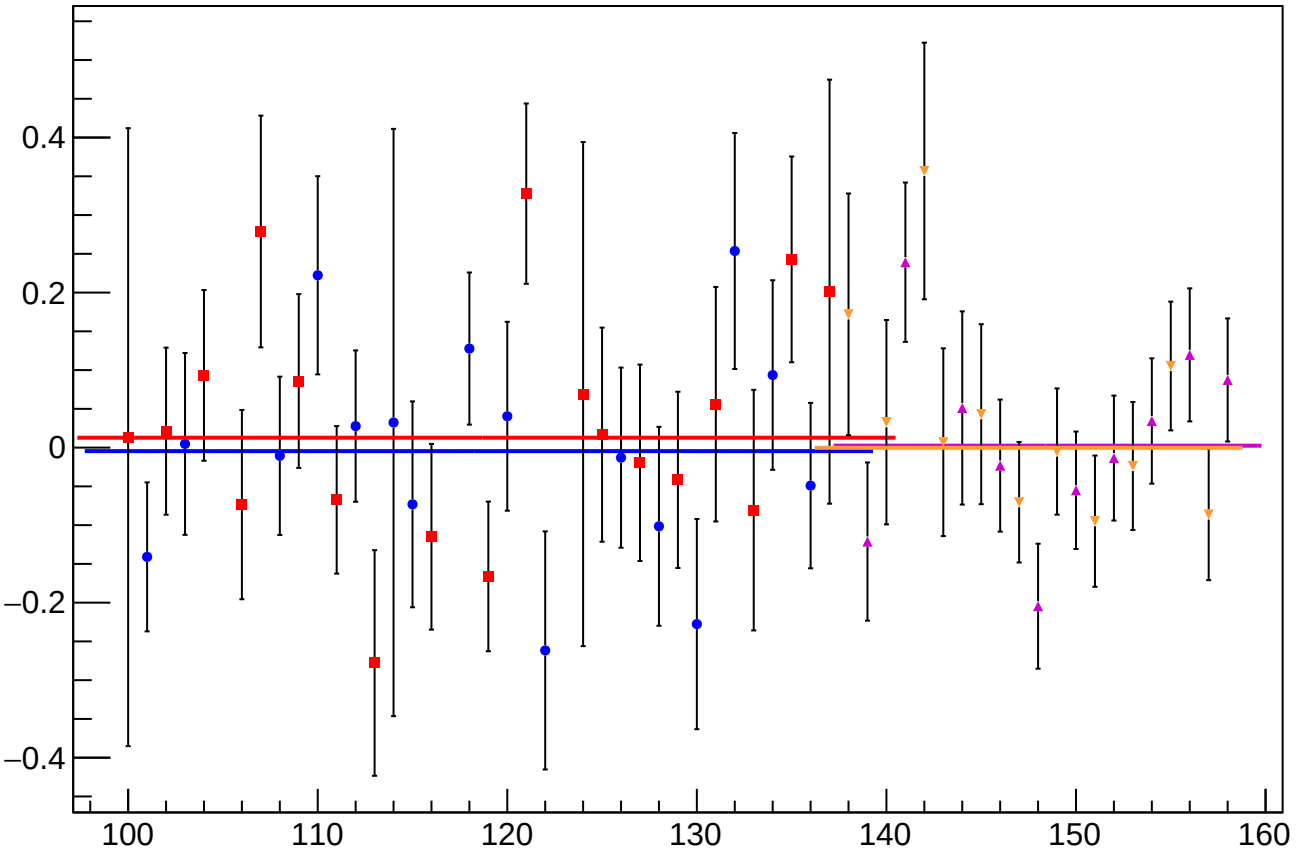
Left: 80.941+/-0.014 χ^2/NDF: 1004232.2/20

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.314+/-0.014 χ^2/NDF:736172.8/25

Out: 80.396+/-0.015 χ^2/NDF:1101334.3/29

All: 79.325+/-0.010 χ^2/NDF: 1847740.5/55



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.002+/-0.027 χ^2/NDF:17.4/9

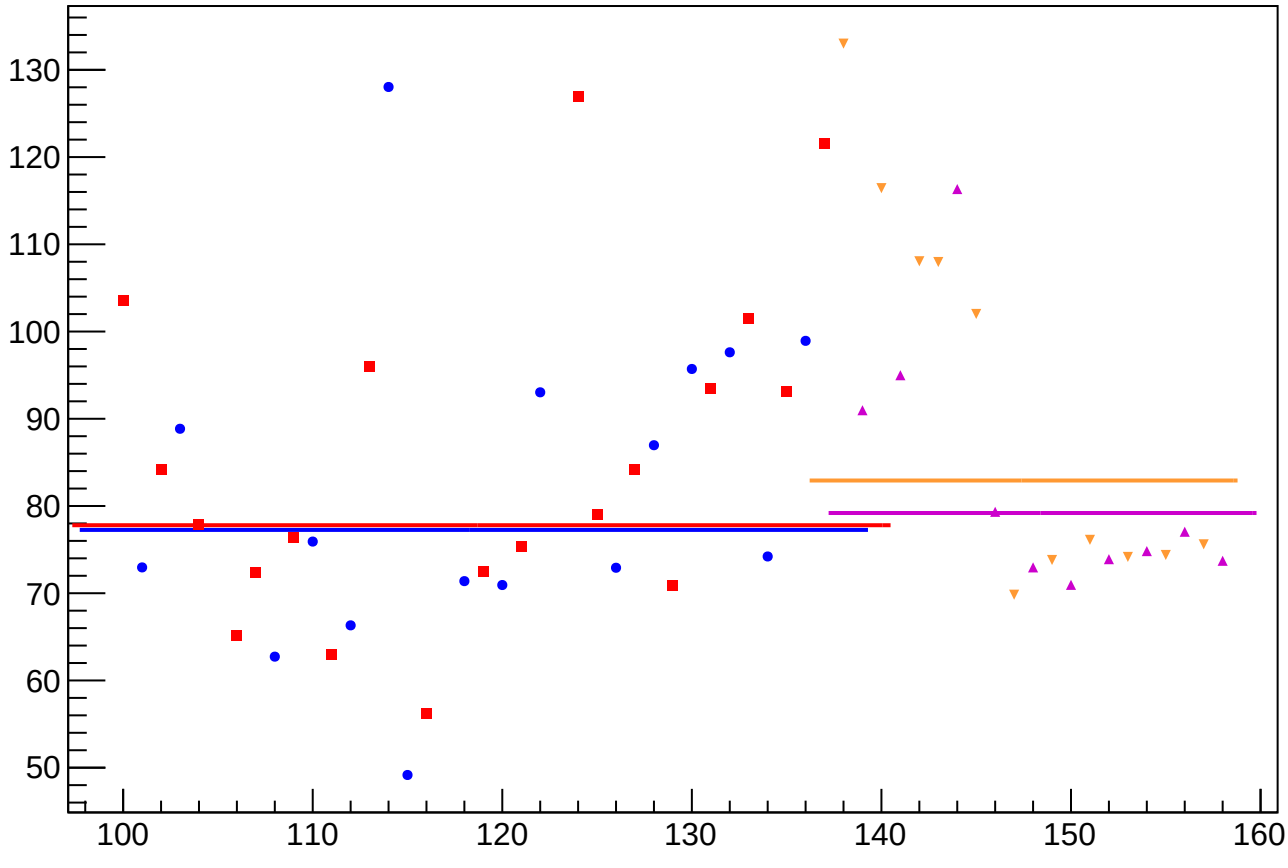
Left: 0.001+/-0.020 χ^2/NDF: 28.3/20

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.001+/-0.020 χ^2/NDF:34.7/25

Out: 0.006+/-0.021 χ^2/NDF:36.4/29

All: 0.003+/-0.015 χ^2/NDF: 71.2/55



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.923+/-0.021 χ^2/NDF:674693.1/10

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.197+/-0.019 χ^2/NDF:312353.1/9

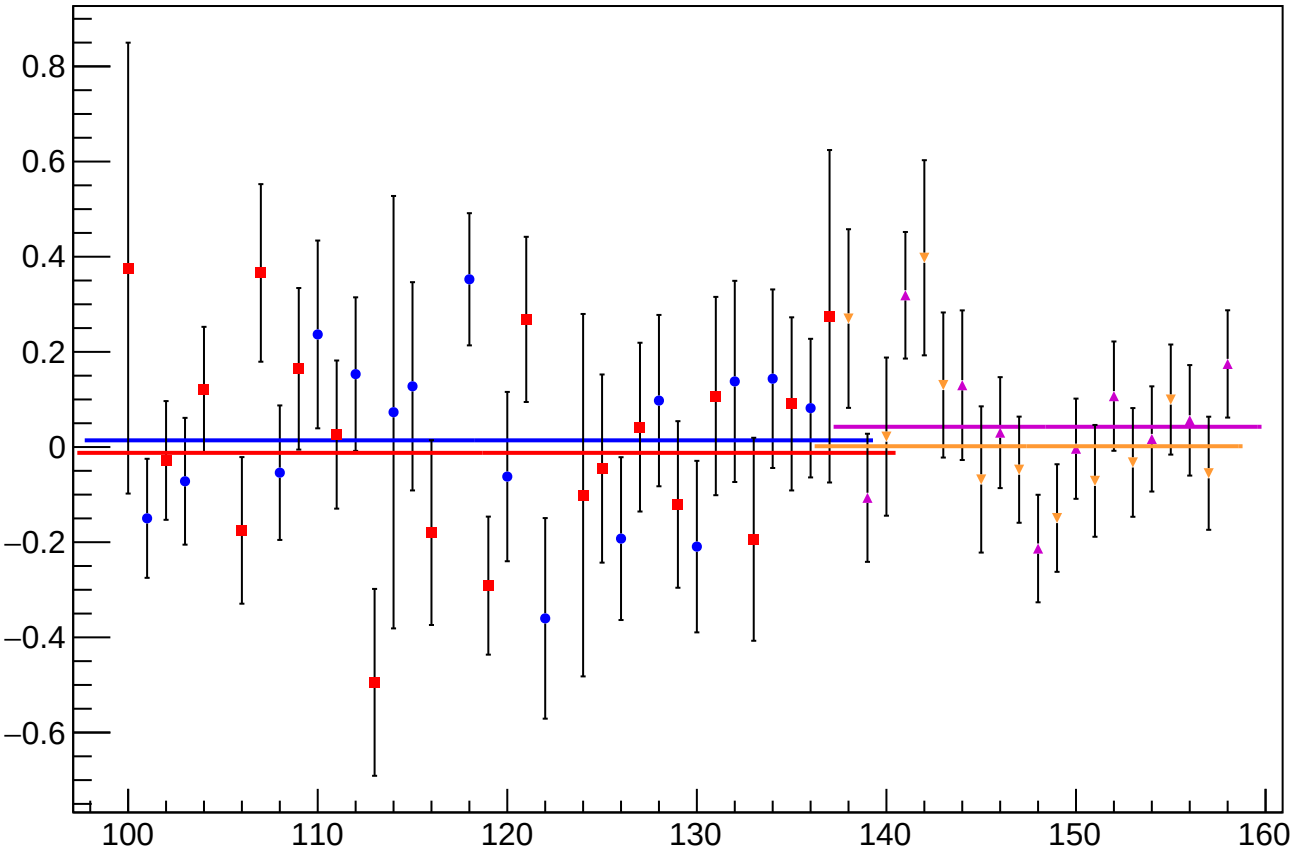
Left: 80.941+/-0.014 χ^2/NDF: 1004232.2/20

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.314+/-0.014 χ^2/NDF:736172.8/25

Out: 80.396+/-0.015 χ^2/NDF:1101334.3/29

All: 79.325+/-0.010 χ^2/NDF: 1847740.5/55



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.002+/-0.040 χ^2/NDF:10.1/10

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.043+/-0.038 χ^2/NDF:12.9/9

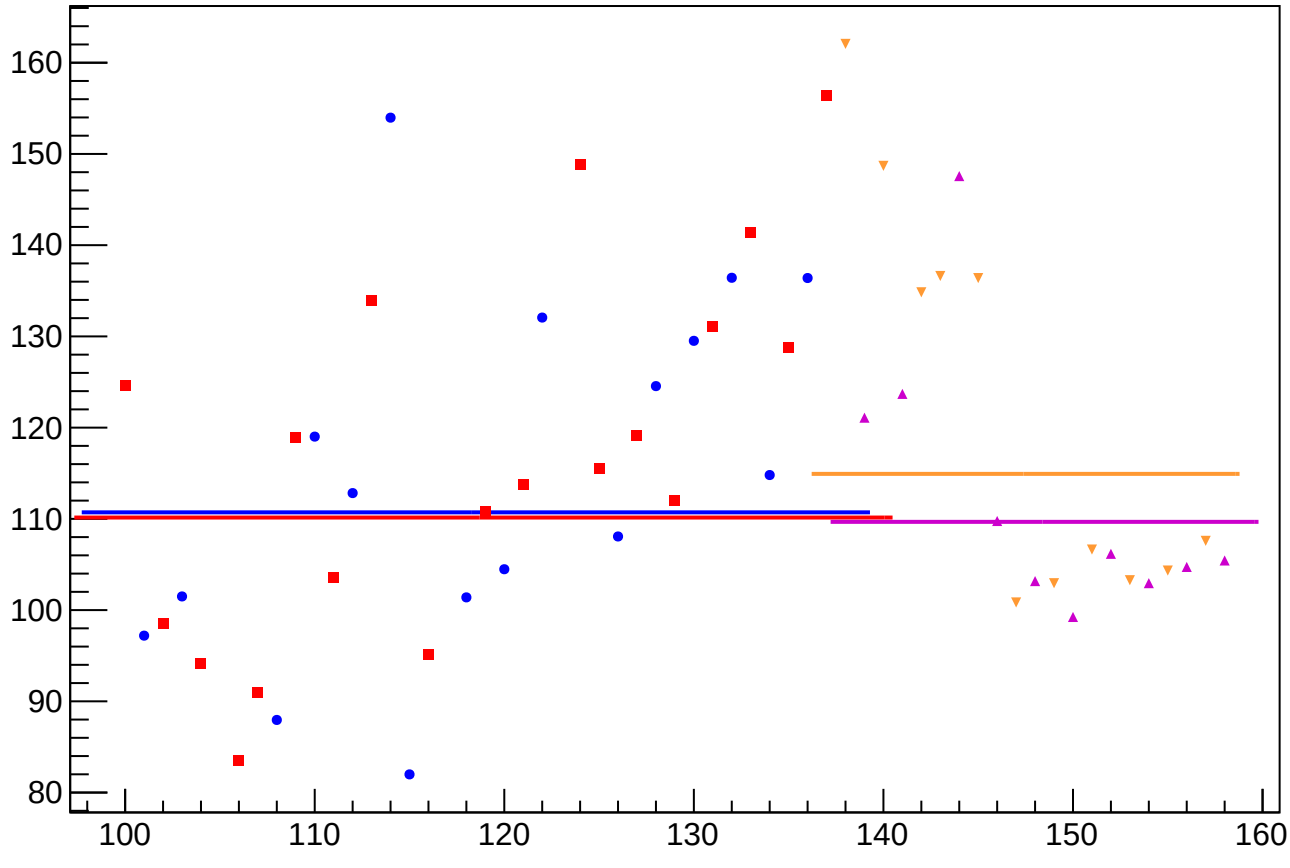
Left: 0.023+/-0.027 χ^2/NDF: 23.6/20

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.030+/-0.028 χ^2/NDF:31.4/25

Out: -0.005+/-0.029 χ^2/NDF:33.9/29

All: 0.013+/-0.020 χ^2/NDF: 66.0/55



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 114.931+/-0.028 χ^2/NDF:416536.5/10

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 109.672+/-0.027 χ^2/NDF:194748.4/9

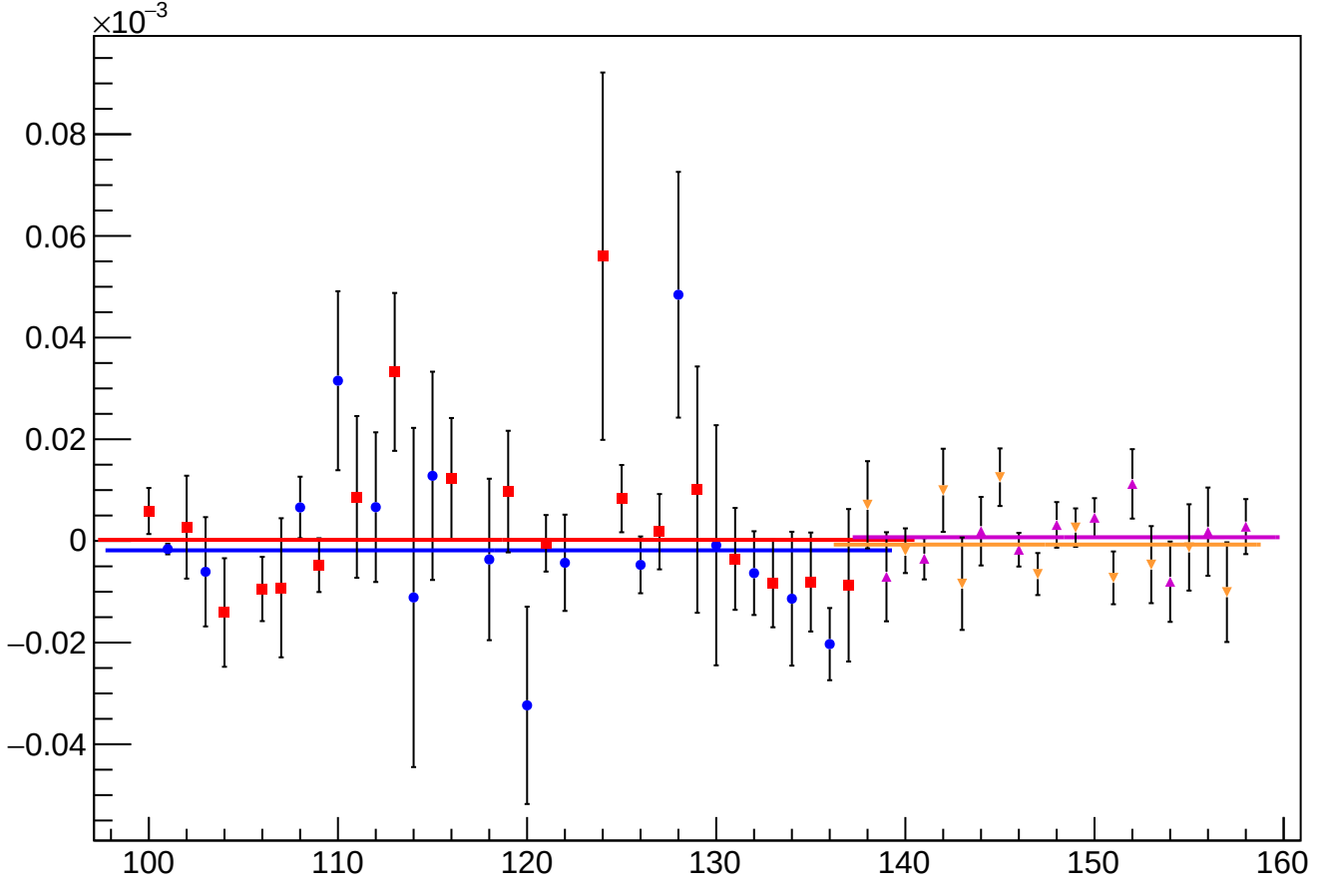
Left: 112.148+/-0.019 χ^2/NDF: 629632.8/20

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 110.134+/-0.020 χ^2/NDF:495398.9/25

Out: 112.619+/-0.020 χ^2/NDF:757138.7/29

All: 111.350+/-0.014 χ^2/NDF: 1260182.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/9

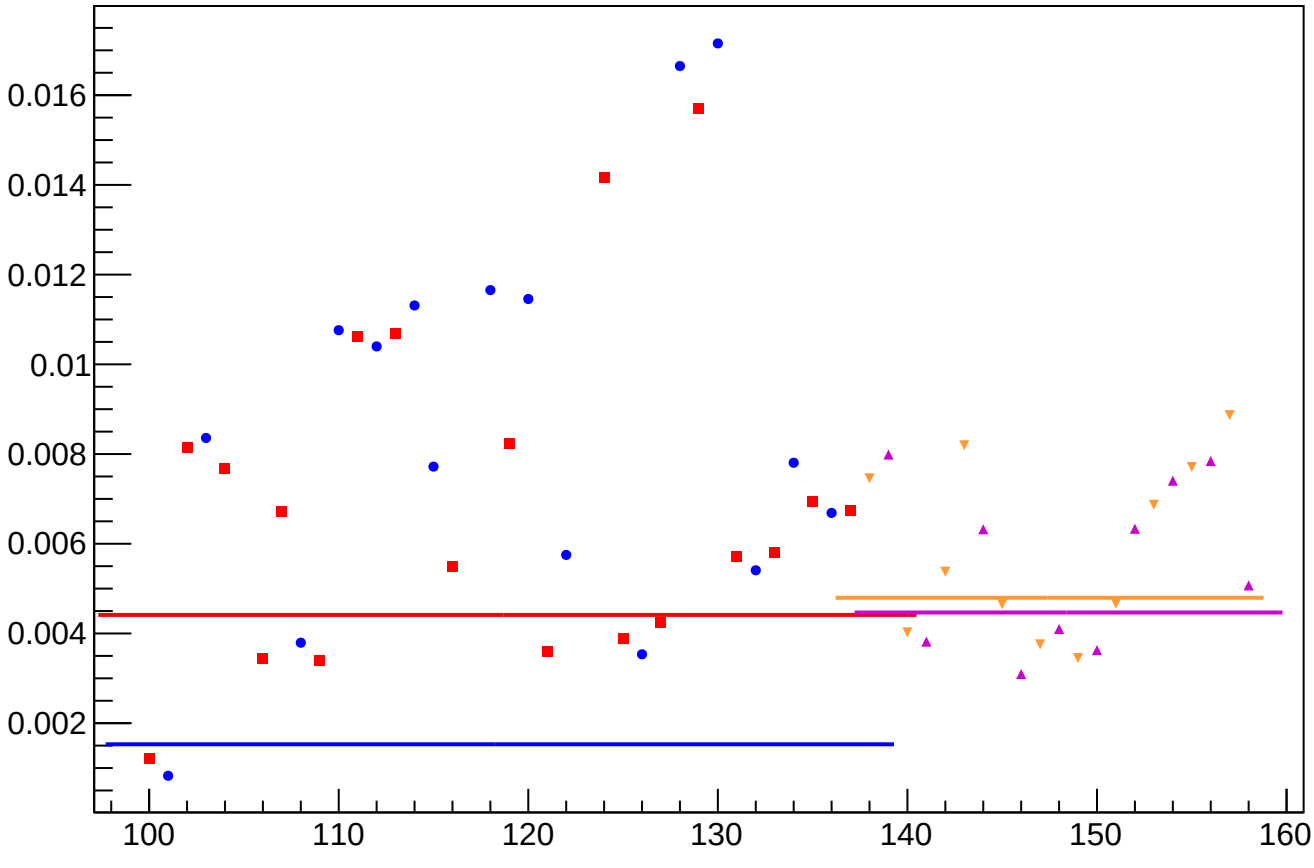
Left: 0.000+/-0.000 χ^2/NDF: 22.2/20

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:30.8/25

Out: -0.000+/-0.000 χ^2/NDF:34.3/29

All: -0.000+/-0.000 χ^2/NDF: 65.4/55



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1656288.9/10

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:1731152.6/9

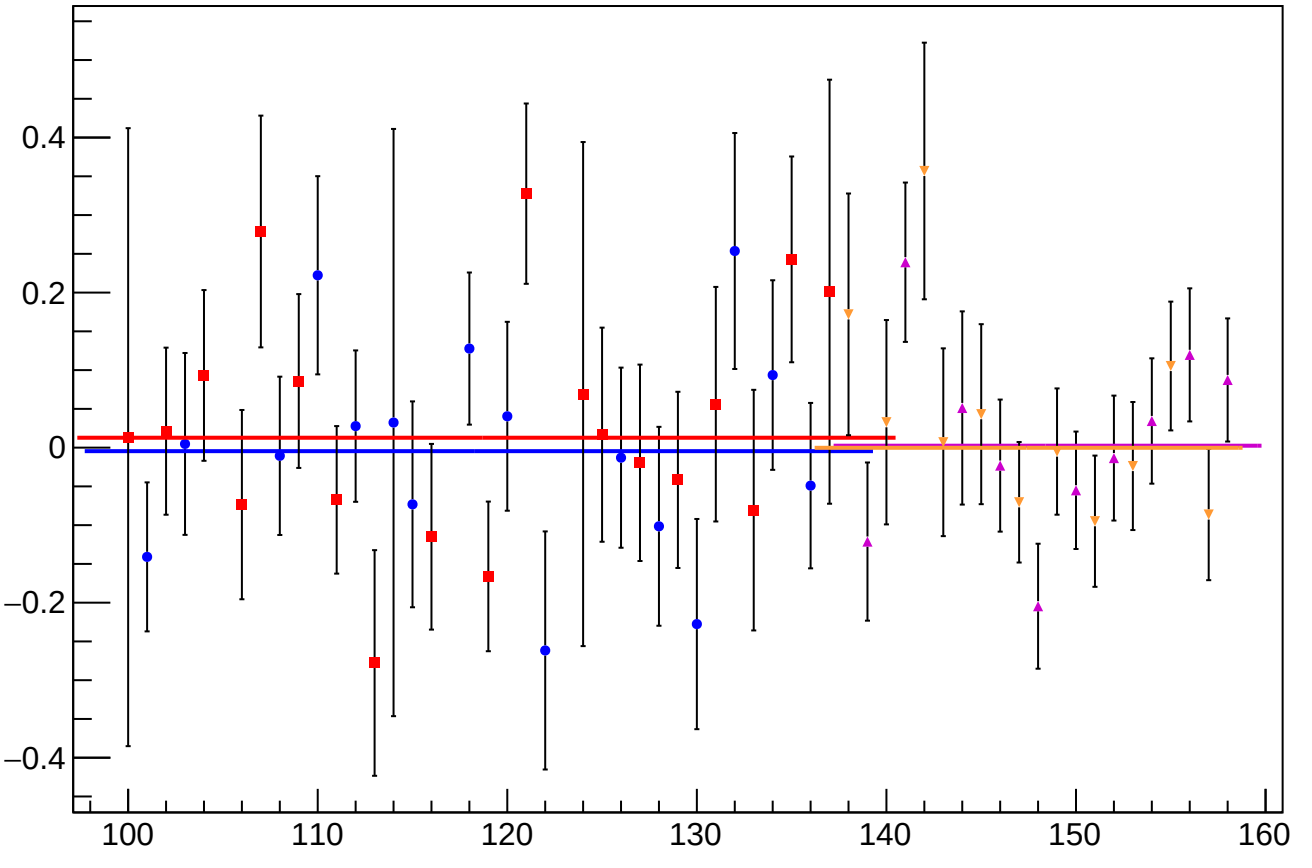
Left: 0.005+/-0.000 χ^2/NDF: 3426096.6/20

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:15862554.1/25

Out: 0.005+/-0.000 χ^2/NDF:5087840.6/29

All: 0.003+/-0.000 χ^2/NDF: 25455584.9/55



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.002+/-0.027 χ^2/NDF:17.4/9

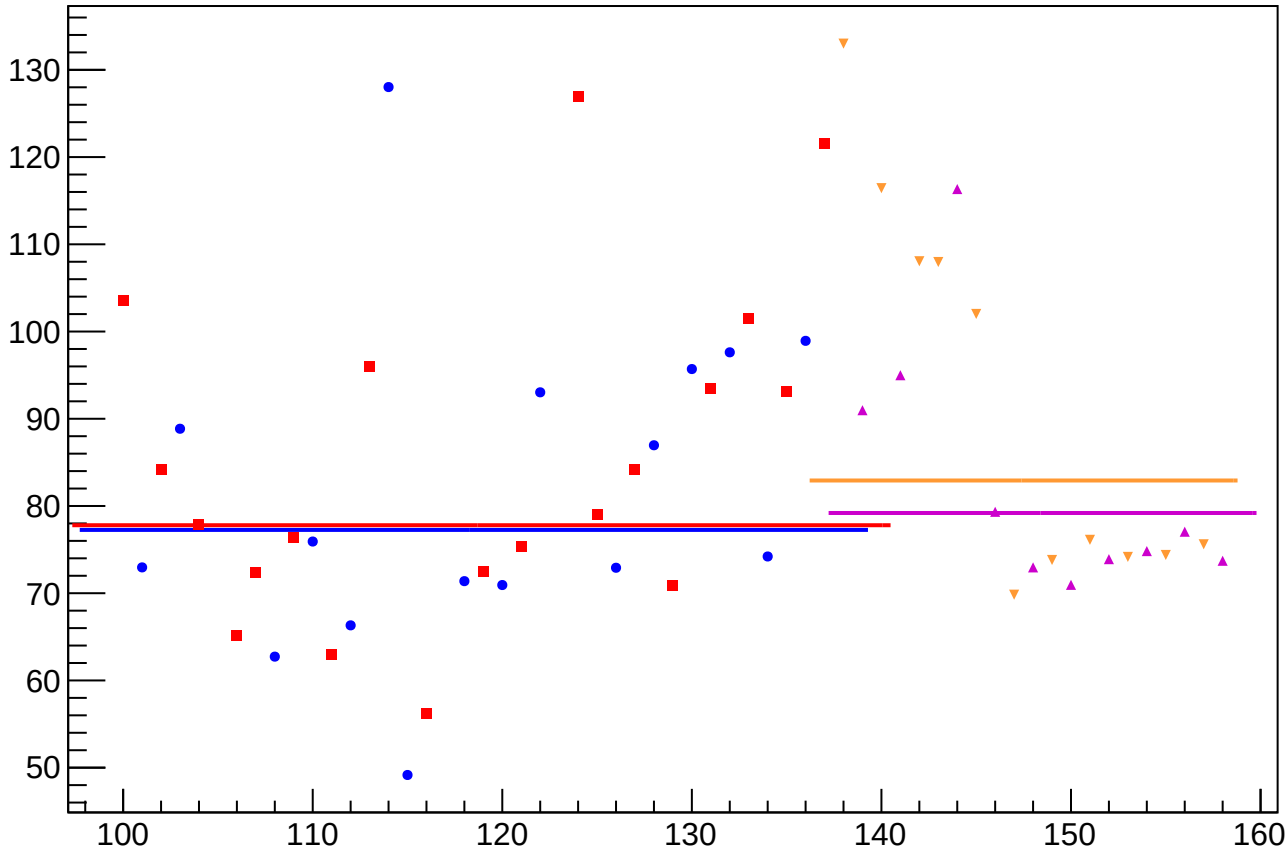
Left: 0.001+/-0.020 χ^2/NDF: 28.3/20

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.001+/-0.020 χ^2/NDF:34.7/25

Out: 0.006+/-0.021 χ^2/NDF:36.4/29

All: 0.003+/-0.015 χ^2/NDF: 71.2/55



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.923+/-0.021 χ^2/NDF:674691.5/10

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.198+/-0.019 χ^2/NDF:312355.7/9

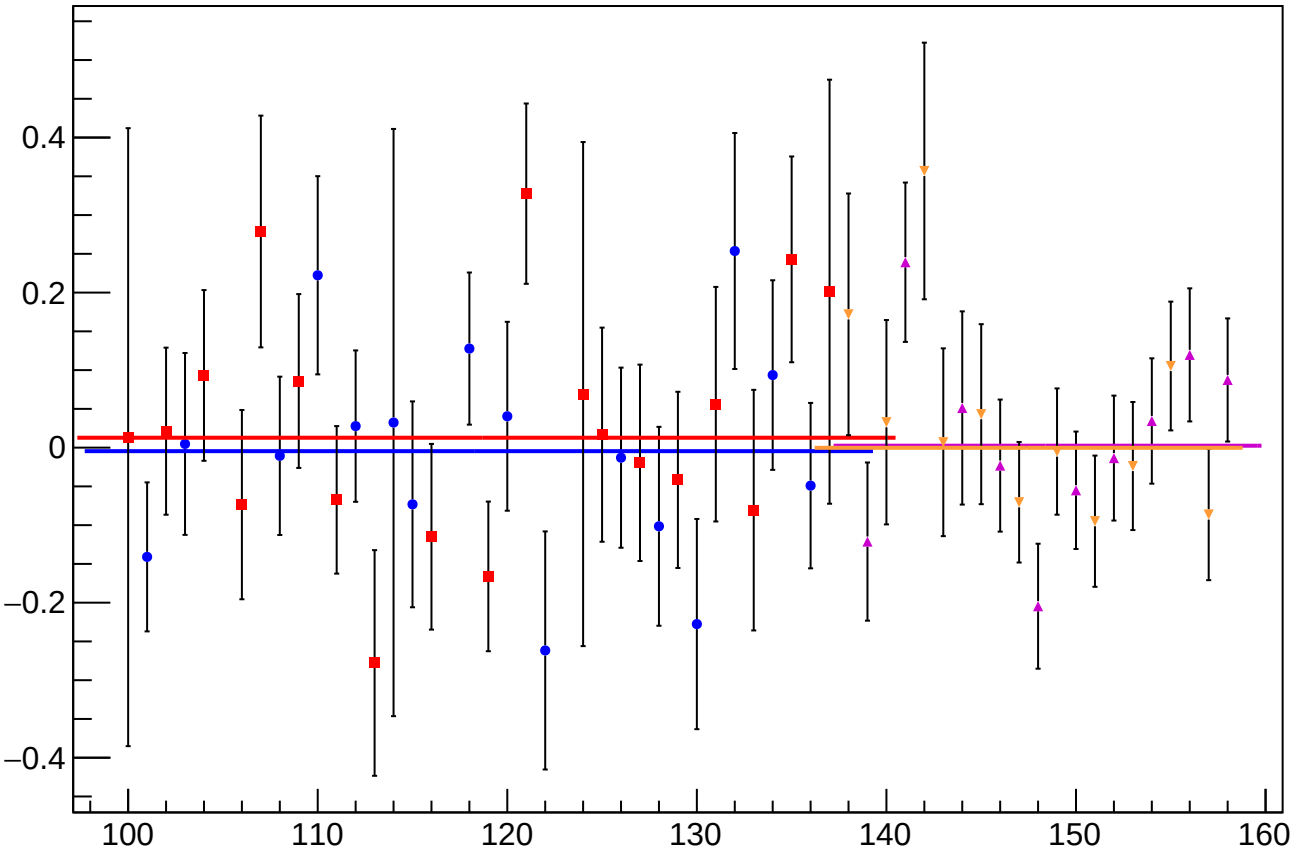
Left: 80.942+/-0.014 χ^2/NDF: 1004233.8/20

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.313+/-0.014 χ^2/NDF:736171.0/25

Out: 80.395+/-0.015 χ^2/NDF:1101354.0/29

All: 79.325+/-0.010 χ^2/NDF: 1847757.8/55



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.002+/-0.027 χ^2/NDF:17.4/9

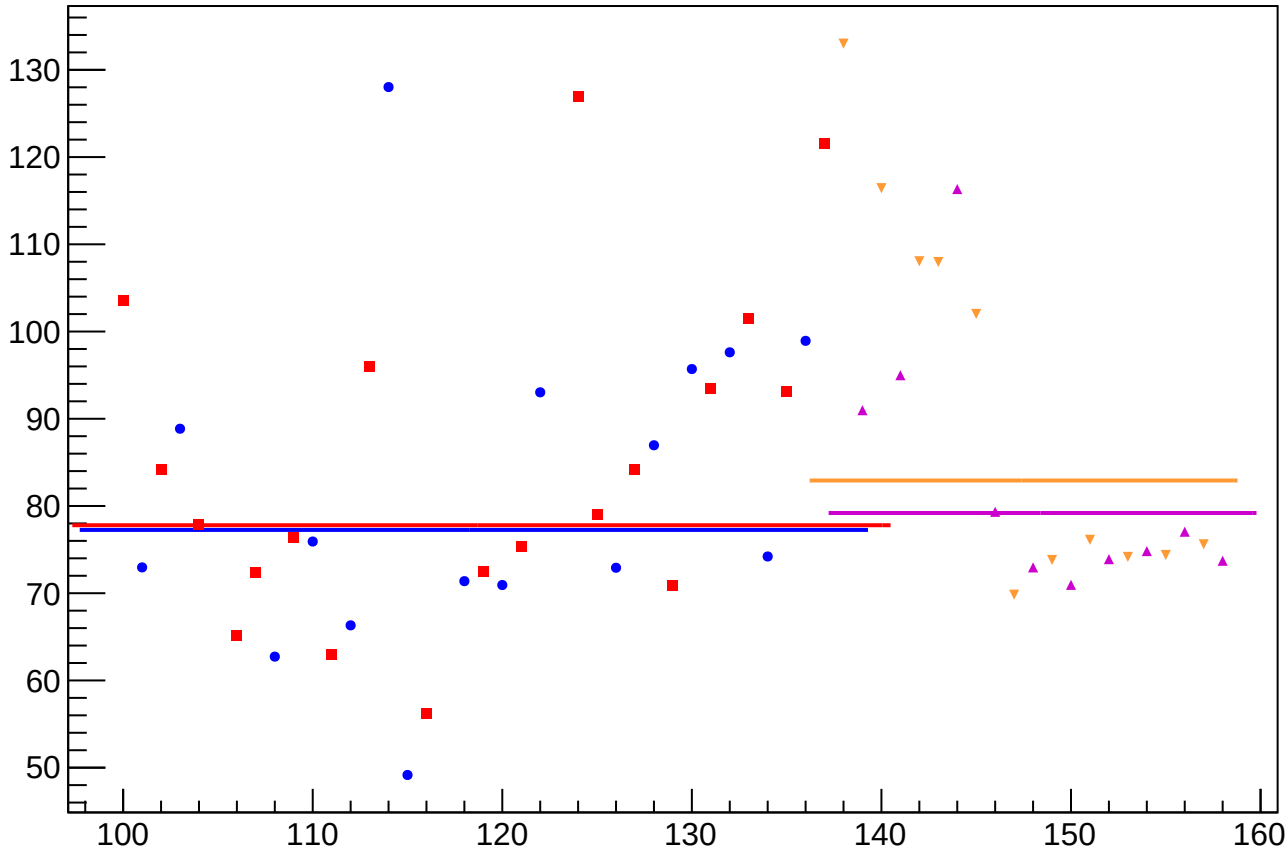
Left: 0.001+/-0.020 χ^2/NDF: 28.3/20

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.001+/-0.020 χ^2/NDF:34.7/25

Out: 0.006+/-0.021 χ^2/NDF:36.4/29

All: 0.003+/-0.015 χ^2/NDF: 71.2/55



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.923+/-0.021 χ^2/NDF:674691.5/10

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.198+/-0.019 χ^2/NDF:312355.7/9

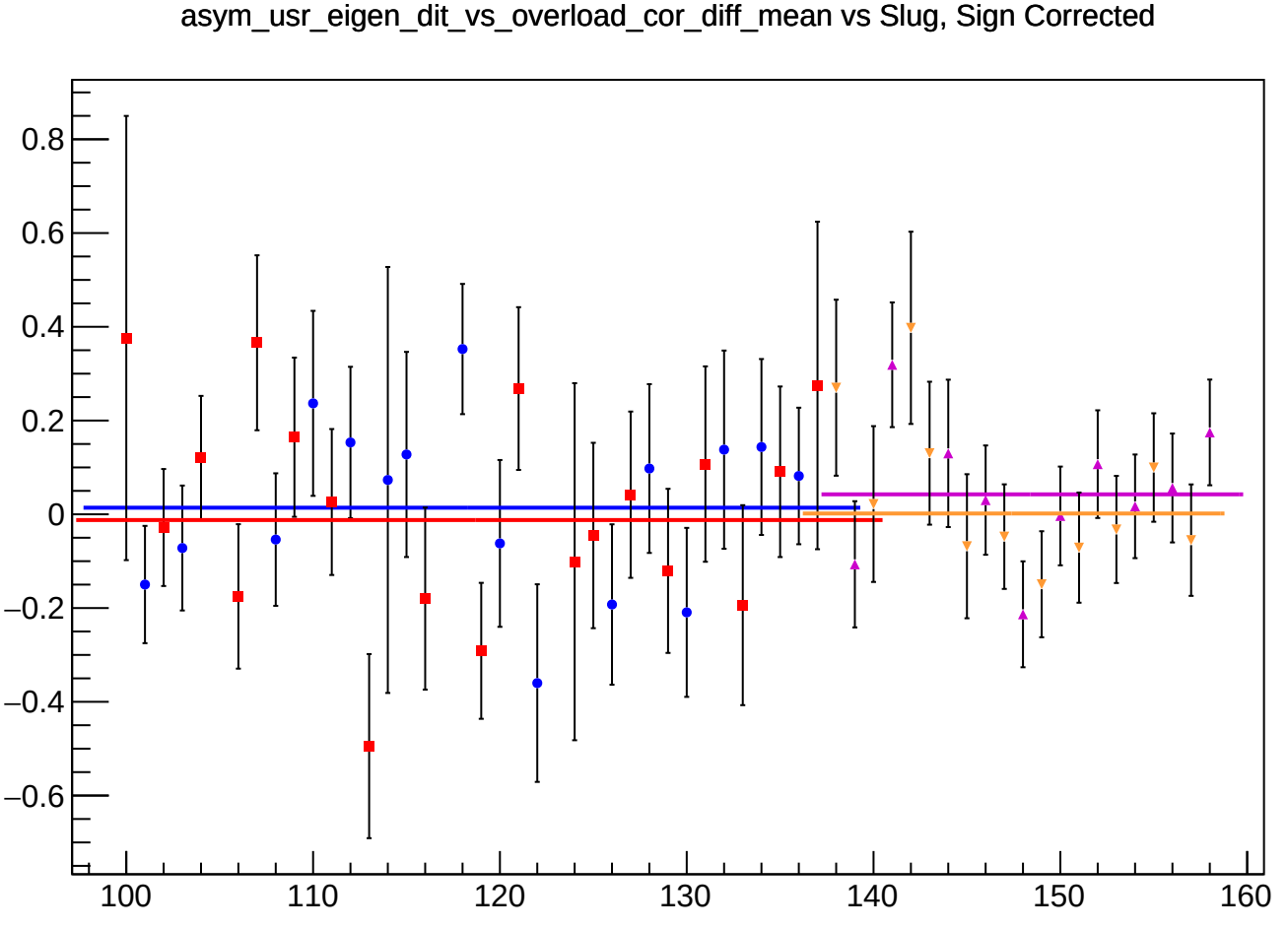
Left: 80.942+/-0.014 χ^2/NDF: 1004233.8/20

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.313+/-0.014 χ^2/NDF:736171.0/25

Out: 80.395+/-0.015 χ^2/NDF:1101354.0/29

All: 79.325+/-0.010 χ^2/NDF: 1847757.8/55



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.002+/-0.040 χ^2/NDF:10.1/10

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.043+/-0.038 χ^2/NDF:12.9/9

Left: 0.023+/-0.027 χ^2/NDF: 23.6/20

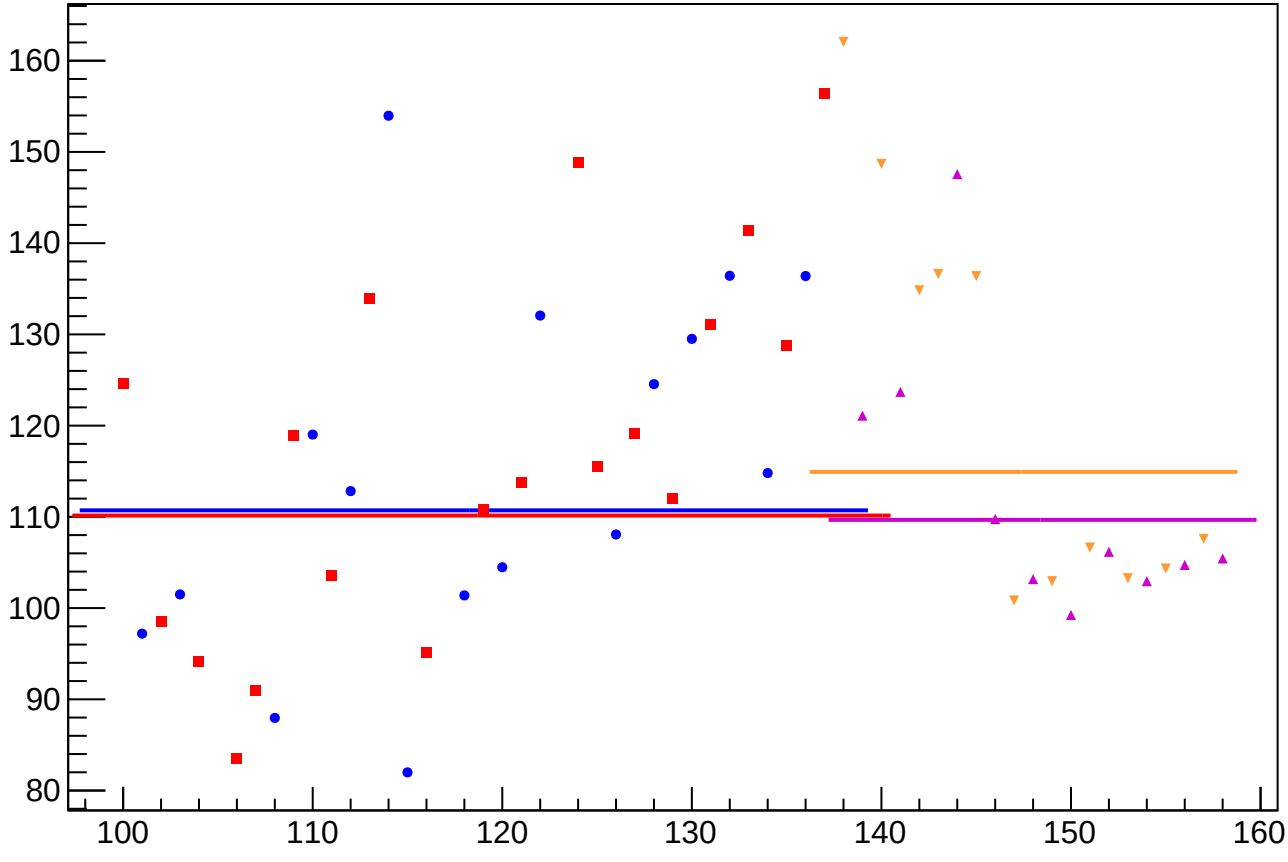
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.030+/-0.028 χ^2/NDF:31.4/25

Out: -0.005+/-0.029 χ^2/NDF:33.9/29

All: 0.013+/-0.020 χ^2/NDF: 66.0/55

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 114.931+/-0.028 χ^2/NDF:416534.5/10

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 109.672+/-0.027 χ^2/NDF:194750.7/9

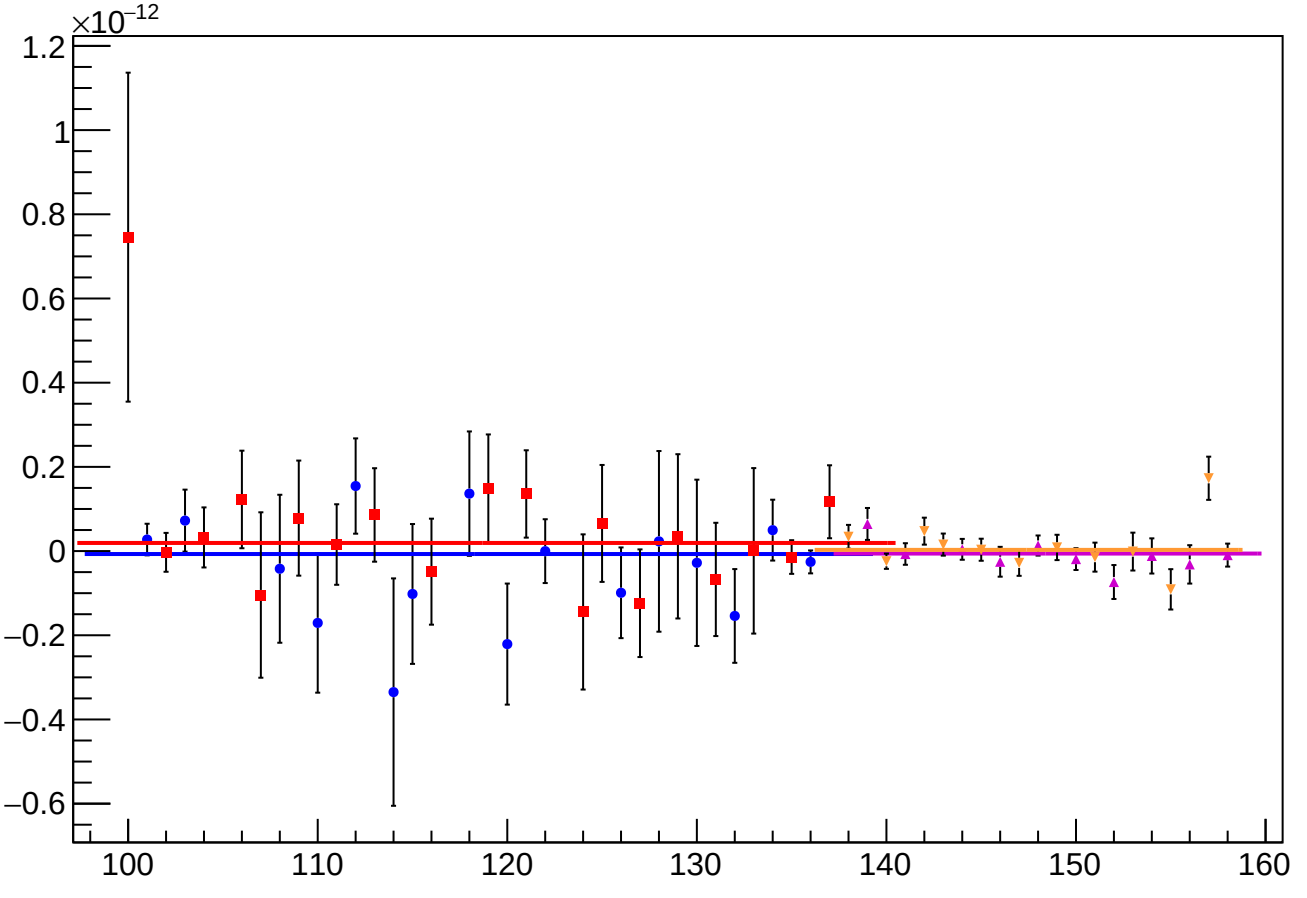
Left: 112.148+/-0.019 χ^2/NDF: 629633.4/20

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 110.133+/-0.020 χ^2/NDF:495375.1/25

Out: 112.618+/-0.020 χ^2/NDF:757113.5/29

All: 111.350+/-0.014 χ^2/NDF: 1260133.6/55



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/9

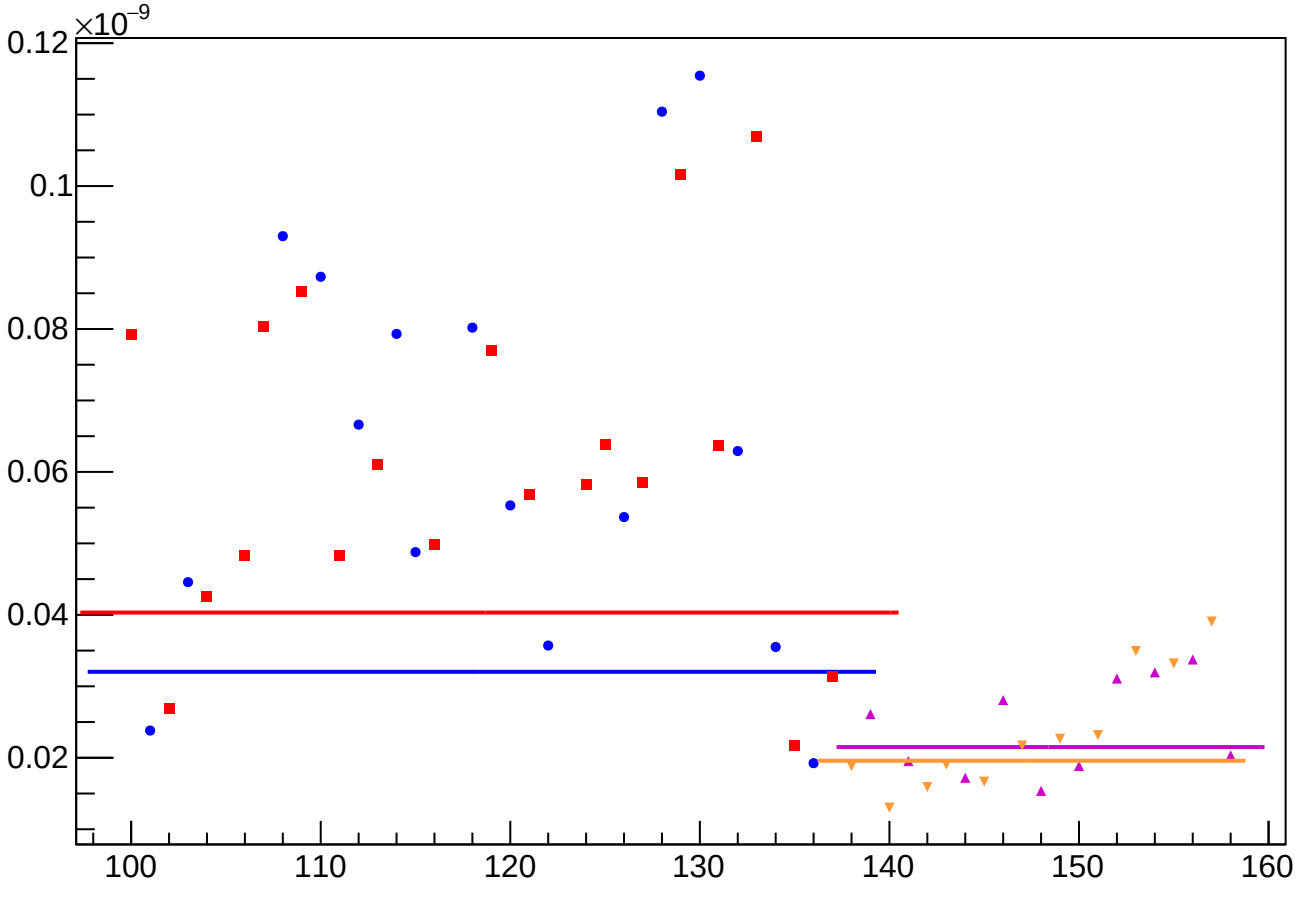
Left: -0.000+/-0.000 χ^2/NDF: 30.1/20

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:21.6/25

Out: 0.000+/-0.000 χ^2/NDF:34.8/29

All: -0.000+/-0.000 χ^2/NDF: 57.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1051089.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:709559.1/9

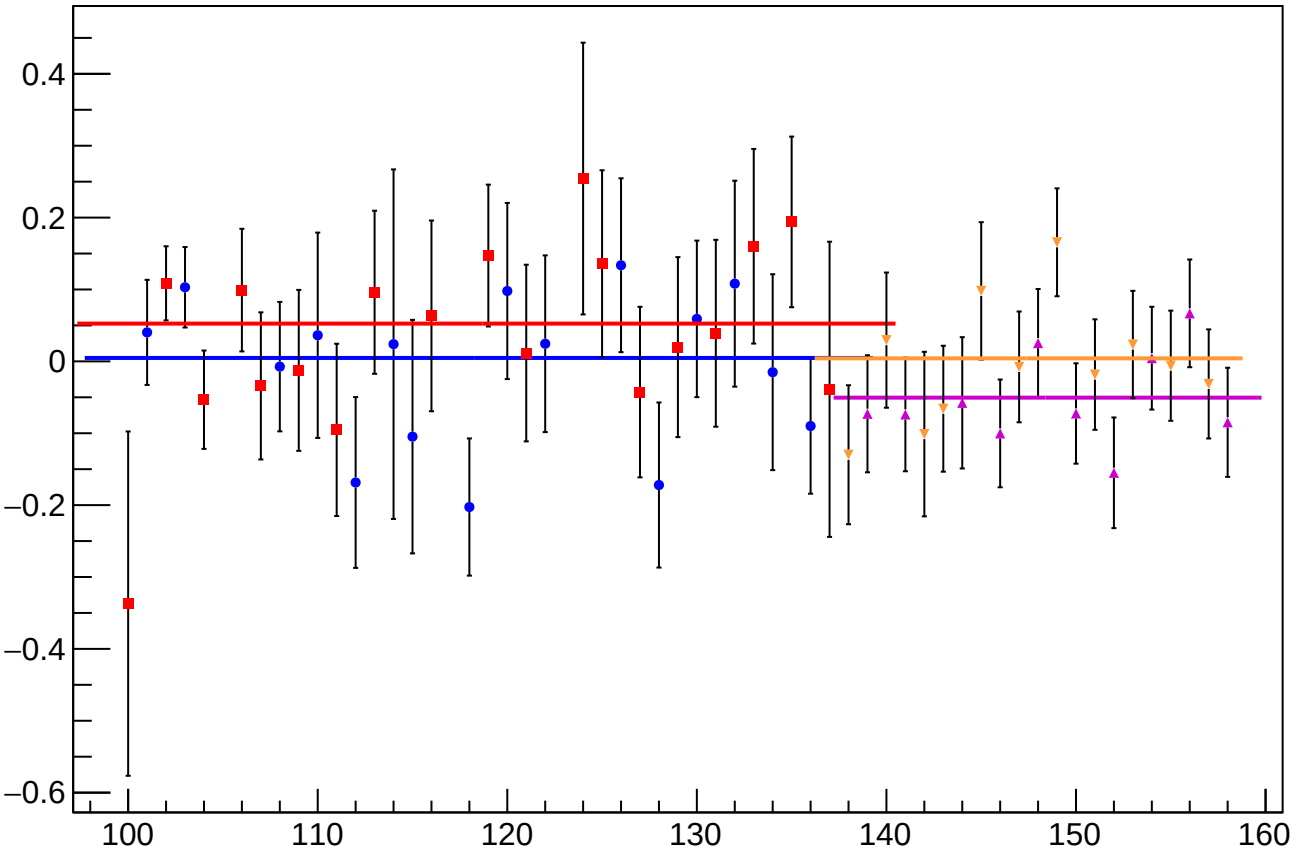
Left: 0.000+/-0.000 χ^2/NDF: 1803392.5/20

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3705915.0/25

Out: 0.000+/-0.000 χ^2/NDF:4552249.3/29

All: 0.000+/-0.000 χ^2/NDF: 8275599.1/55



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.025 χ^2/NDF:9.5/10

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.050+/-0.024 χ^2/NDF:6.8/9

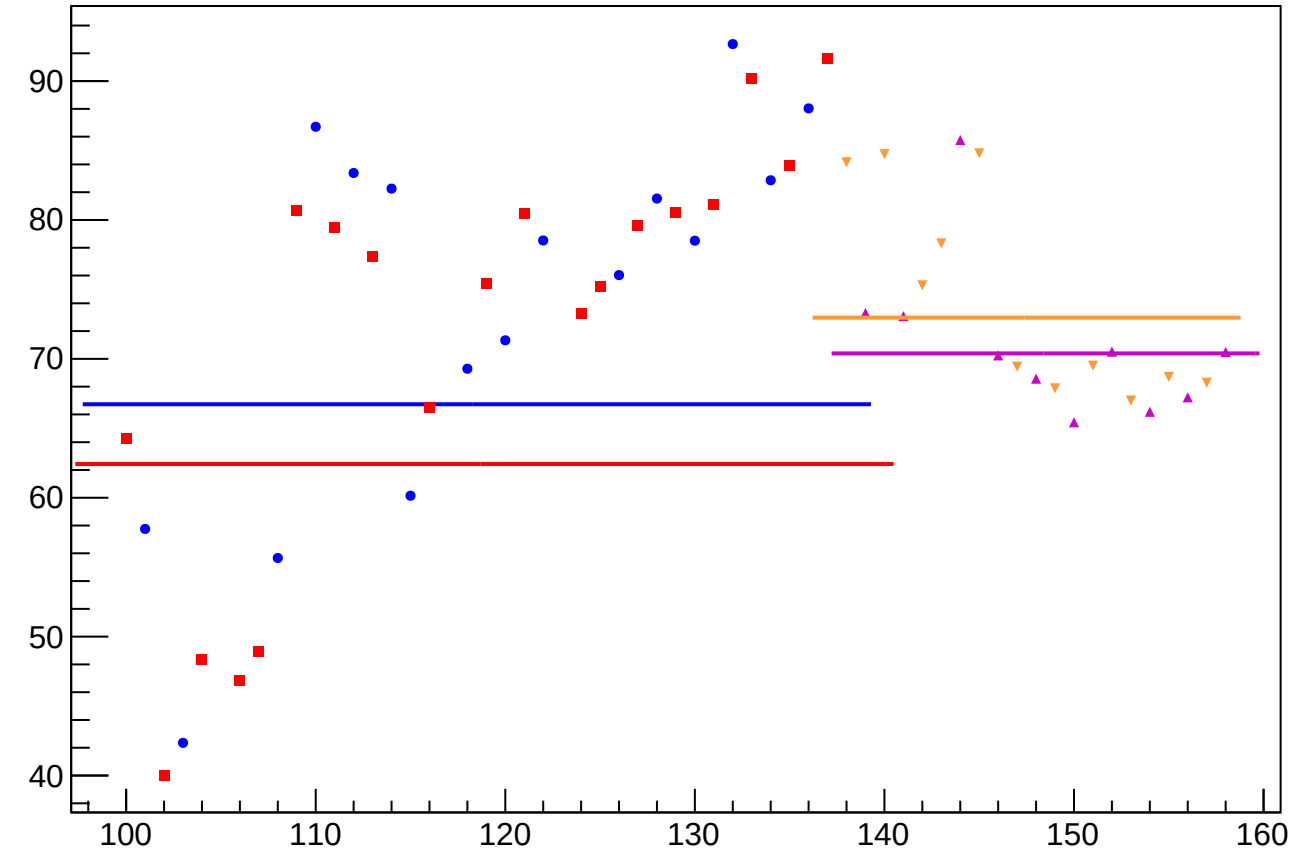
Left: -0.024+/-0.017 χ^2/NDF: 18.7/20

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.025+/-0.018 χ^2/NDF:25.9/25

Out: 0.029+/-0.017 χ^2/NDF:26.2/29

All: 0.003+/-0.012 χ^2/NDF: 56.8/55



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.968+/-0.018 χ^2/NDF:141073.8/10

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.394+/-0.017 χ^2/NDF:83223.8/9

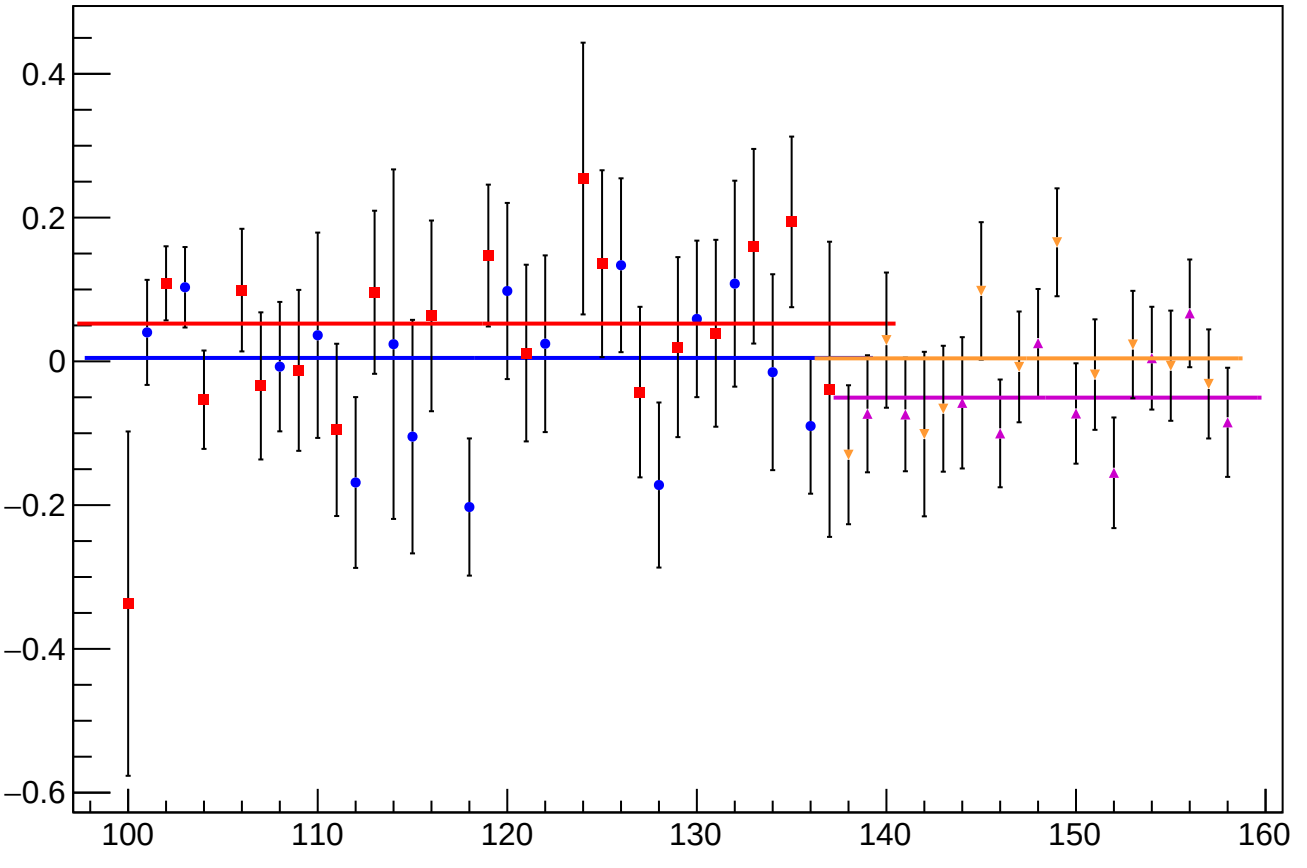
Left: 71.629+/-0.012 χ^2/NDF: 235146.7/20

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 68.686+/-0.013 χ^2/NDF:921309.4/25

Out: 67.460+/-0.012 χ^2/NDF:1437912.1/29

All: 68.064+/-0.009 χ^2/NDF: 2364102.0/55



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.025 χ^2/NDF:9.5/10

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.050+/-0.024 χ^2/NDF:6.8/9

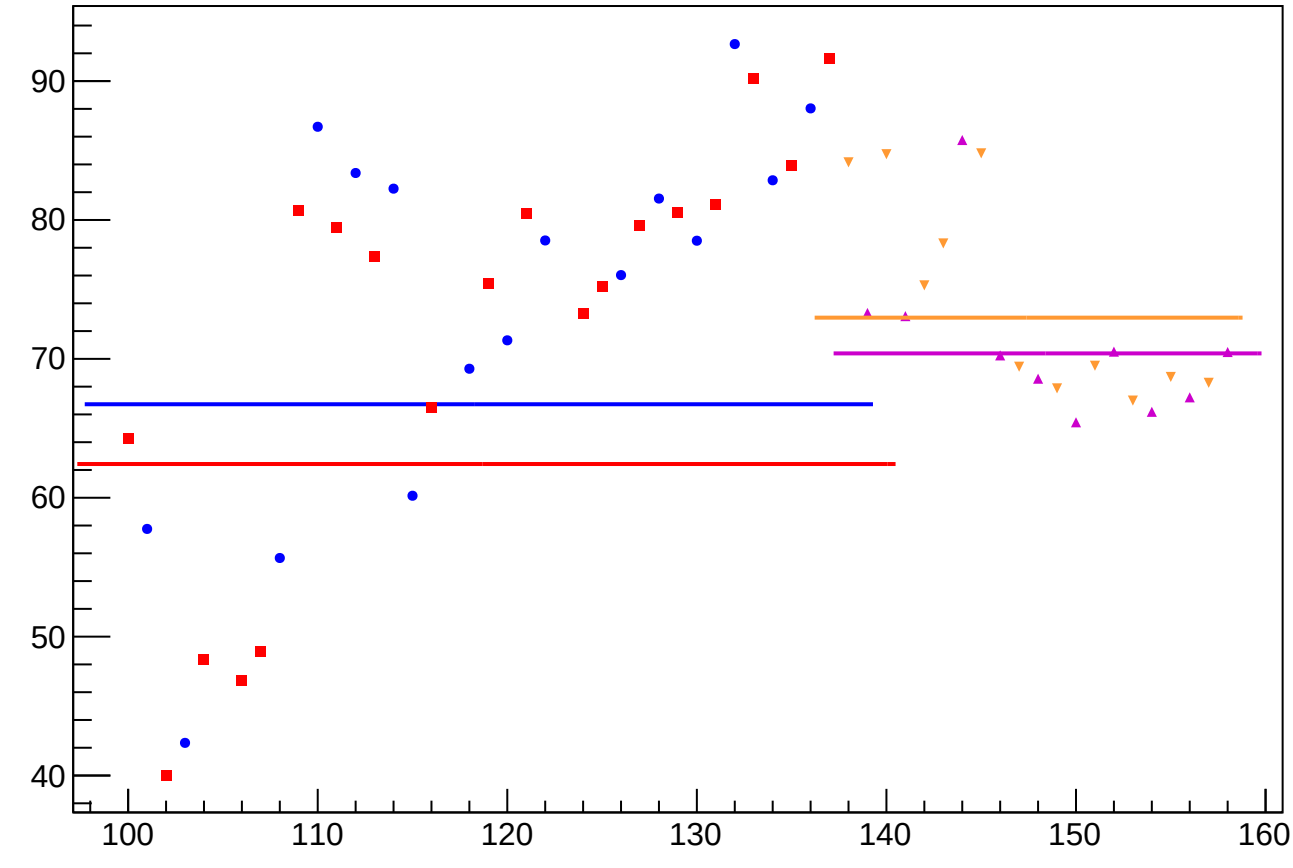
Left: -0.024+/-0.017 χ^2/NDF: 18.7/20

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.025+/-0.018 χ^2/NDF:25.9/25

Out: 0.029+/-0.017 χ^2/NDF:26.2/29

All: 0.003+/-0.012 χ^2/NDF: 56.8/55



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.968+/-0.018 χ^2/NDF:141073.8/10

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.394+/-0.017 χ^2/NDF:83223.8/9

Left: 71.629+/-0.012 χ^2/NDF: 235146.7/20

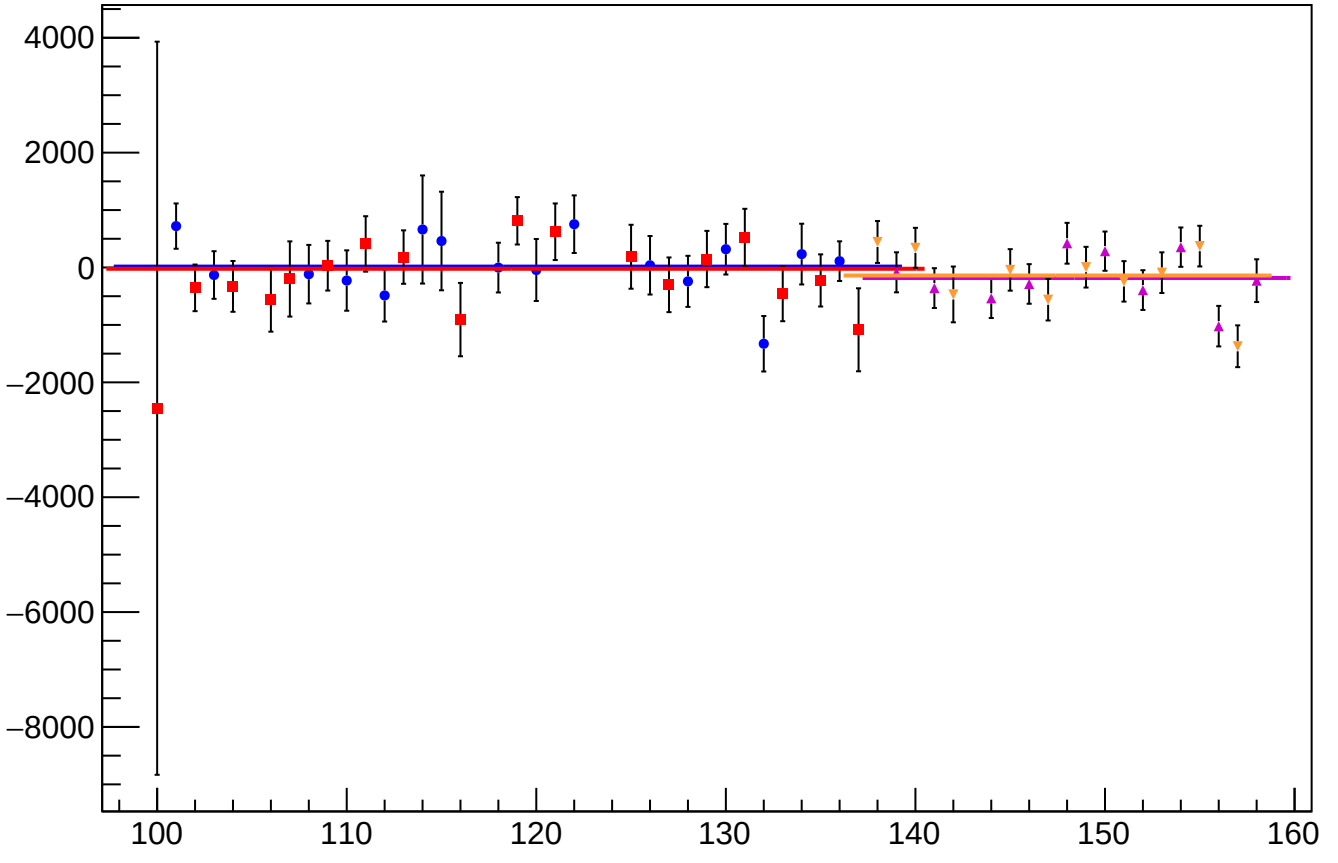
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 68.686+/-0.013 χ^2/NDF:921309.4/25

Out: 67.460+/-0.012 χ^2/NDF:1437912.1/29

All: 68.064+/-0.009 χ^2/NDF: 2364102.0/55

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -139.442+/-115.595 χ^2/NDF:20.2/9

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -182.495+/-110.401 χ^2/NDF:14.7/9

Left: -161.957+/-79.838 χ^2/NDF: 35.0/19

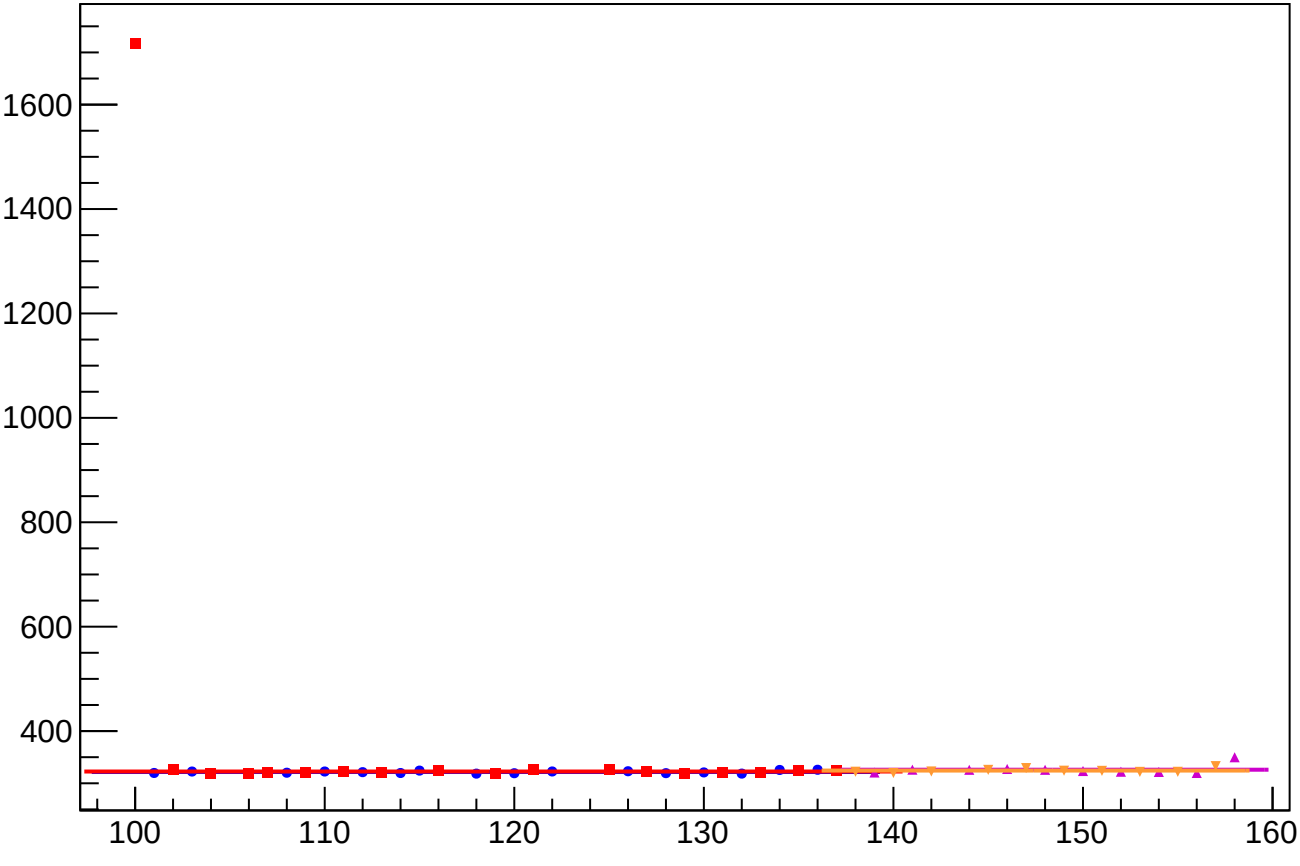
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -91.257+/-81.070 χ^2/NDF:32.8/25

Out: -82.599+/-82.987 χ^2/NDF:36.7/27

All: -87.029+/-57.991 χ^2/NDF: 69.4/53

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 324.385+/-0.082 χ^2/NDF:2111.4/9

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 326.012+/-0.078 χ^2/NDF:9988.0/9

Left: 325.236+/-0.056 χ^2/NDF: 12306.6/19

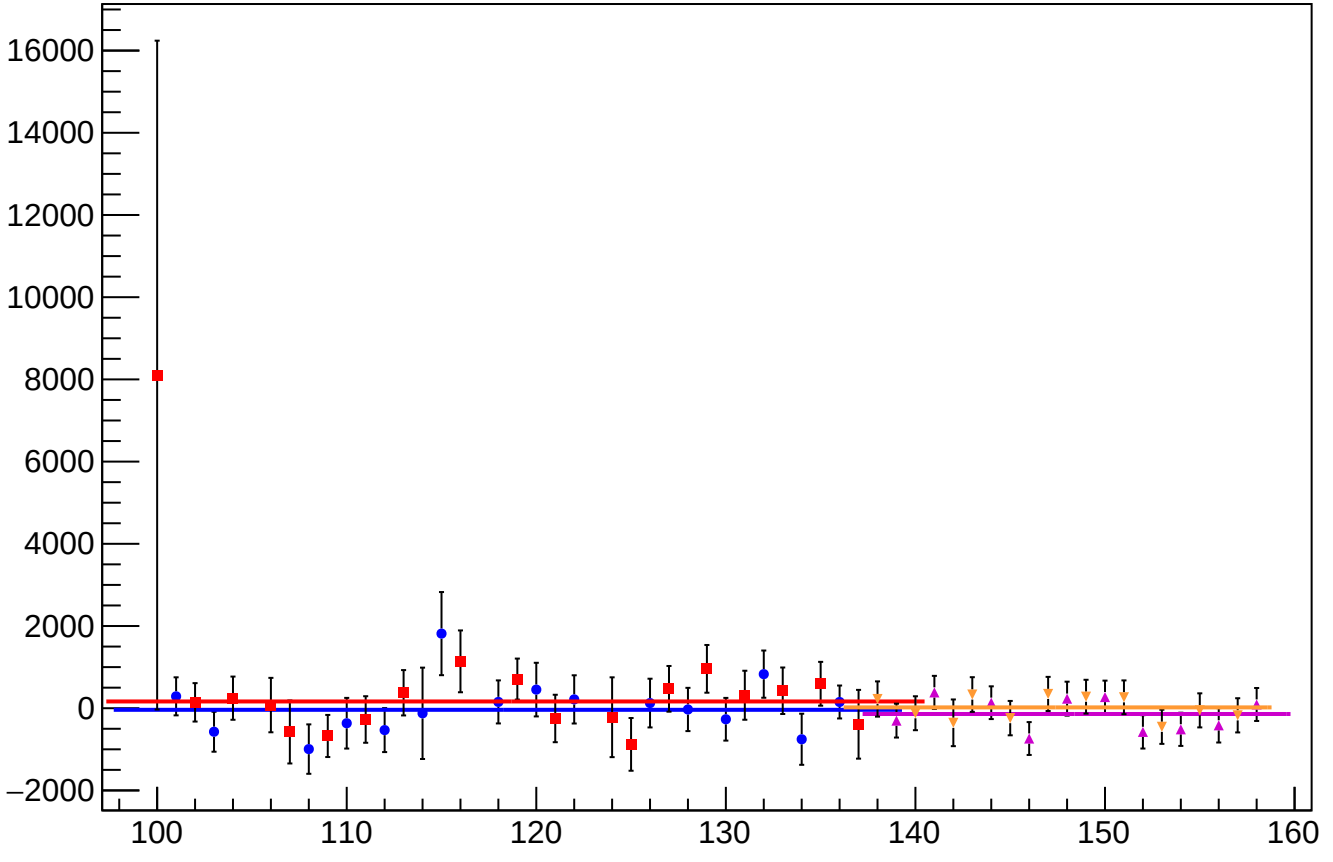
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 323.981+/-0.057 χ^2/NDF:12280.1/25

Out: 323.497+/-0.059 χ^2/NDF:99246.8/27

All: 323.745+/-0.041 χ^2/NDF: 111561.7/53

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 20.096+/-128.268 χ^2/NDF:4.6/10

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -140.470+/-128.163 χ^2/NDF:9.2/9

Left: -60.252+/-90.662 χ^2/NDF: 14.6/20

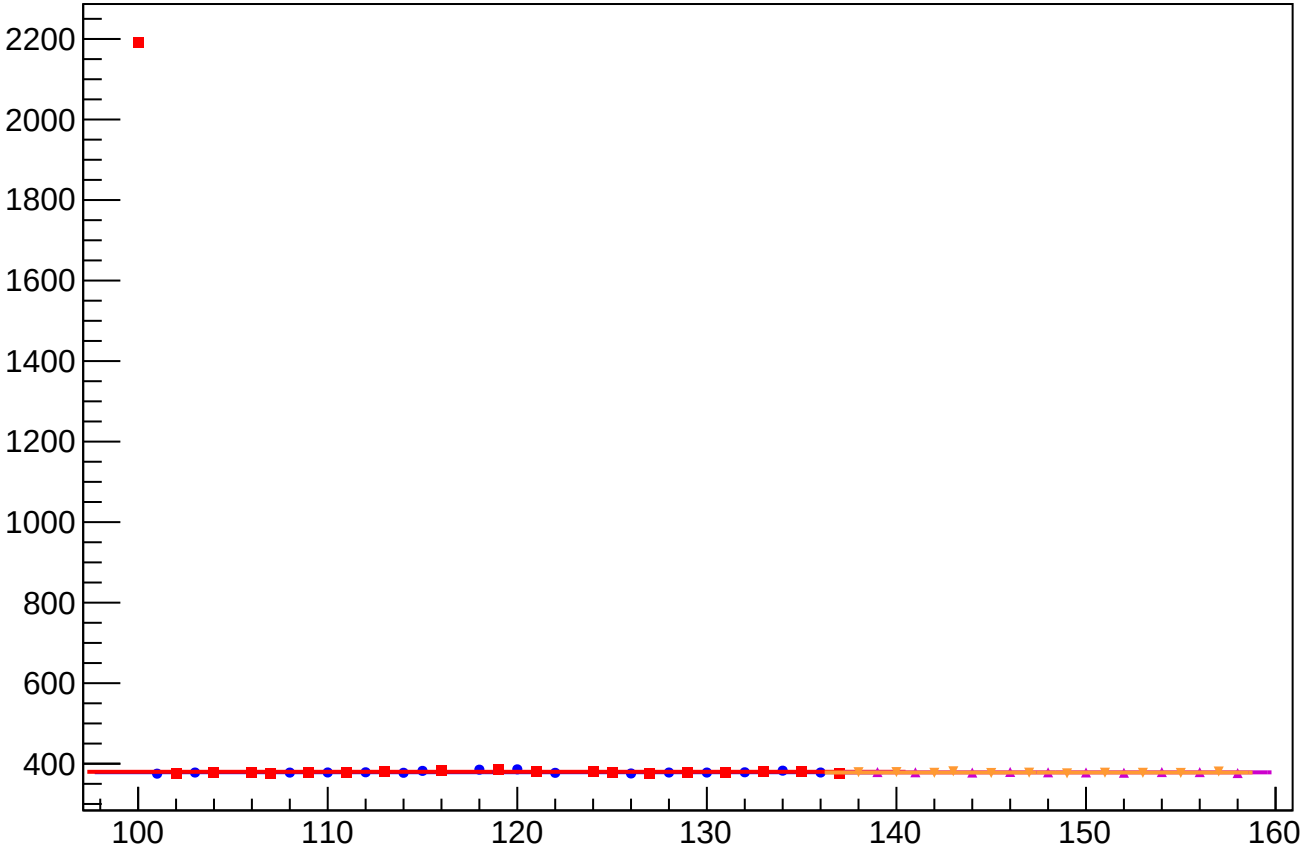
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -94.425+/-94.754 χ^2/NDF:23.2/25

Out: 86.592+/-94.253 χ^2/NDF:20.3/29

All: -3.437+/-66.823 χ^2/NDF: 45.4/55

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.158+/-0.091 χ^2/NDF:281.7/10

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.552+/-0.091 χ^2/NDF:81.3/9

Left: 378.355+/-0.064 χ^2/NDF: 372.3/20

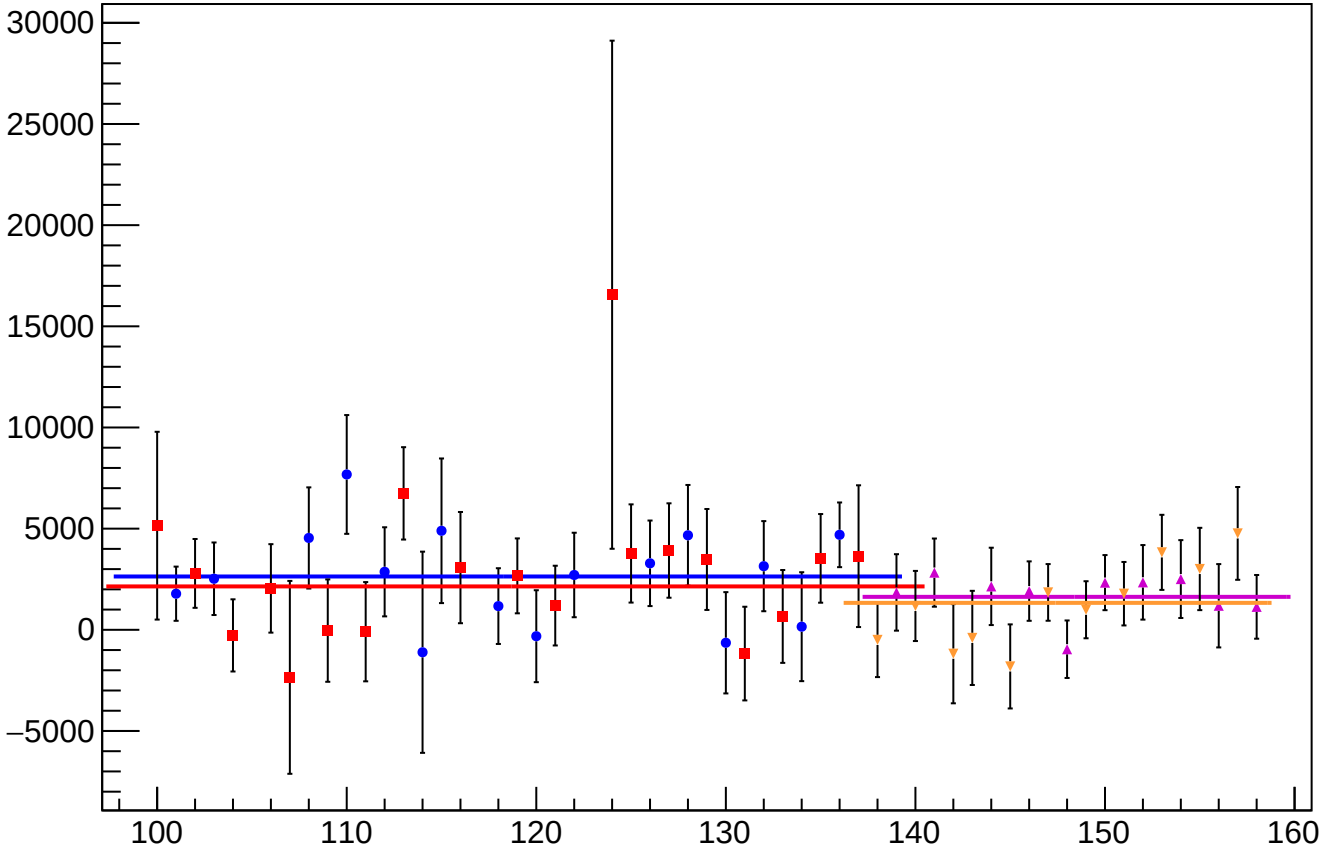
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.714+/-0.067 χ^2/NDF:939.6/25

Out: 378.949+/-0.067 χ^2/NDF:100068.5/29

All: 378.832+/-0.047 χ^2/NDF: 101014.3/55

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1332.152+/-546.108 χ^2/NDF:9.9/10

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1629.148+/-526.444 χ^2/NDF:4.7/9

Left: 1486.093+/-379.013 χ^2/NDF: 14.8/20

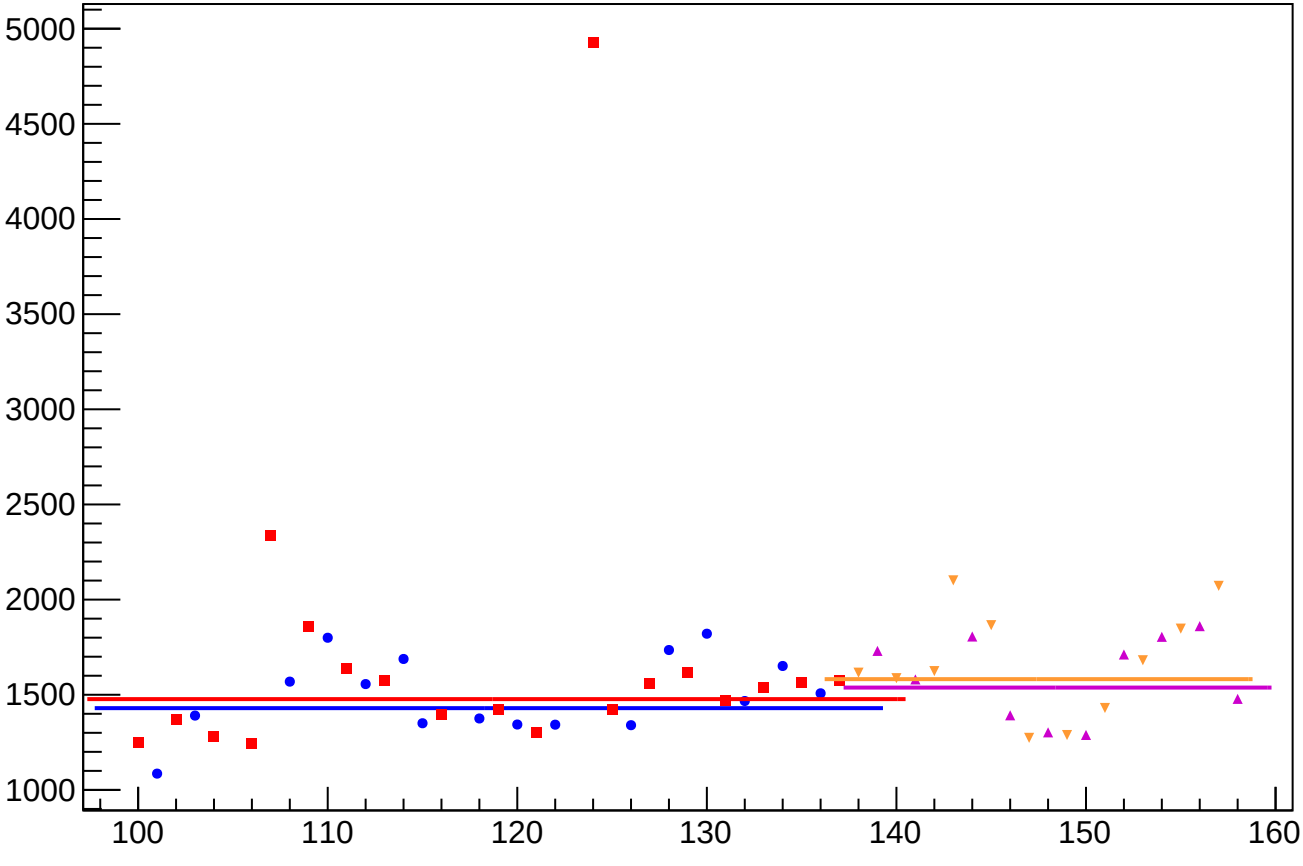
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2121.317+/-376.283 χ^2/NDF:18.8/25

Out: 1737.724+/-386.459 χ^2/NDF:26.0/29

All: 1934.637+/-269.598 χ^2/NDF: 45.3/55

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1582.055+/-0.386 χ^2/NDF:471709.7/10

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1537.715+/-0.372 χ^2/NDF:311027.6/9

Left: 1559.072+/-0.268 χ^2/NDF: 789571.2/20

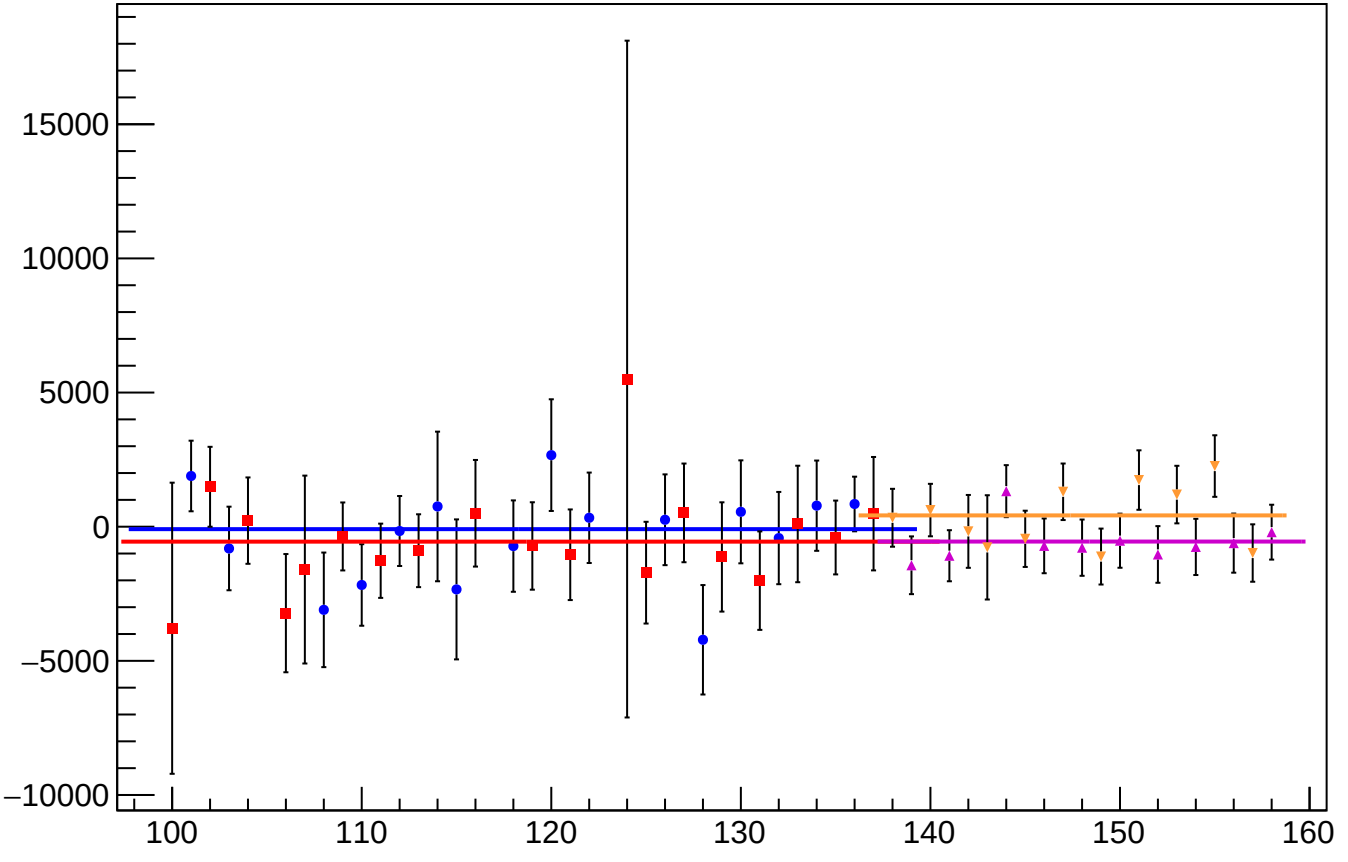
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1484.861+/-0.266 χ^2/NDF:645632.7/25

Out: 1529.672+/-0.273 χ^2/NDF:878000.1/29

All: 1506.669+/-0.191 χ^2/NDF: 1537436.9/55

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 421.054+/-337.885 χ^2/NDF:10.4/10

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -554.008+/-324.951 χ^2/NDF:5.2/9

Left: -85.496+/-234.214 χ^2/NDF: 19.9/20

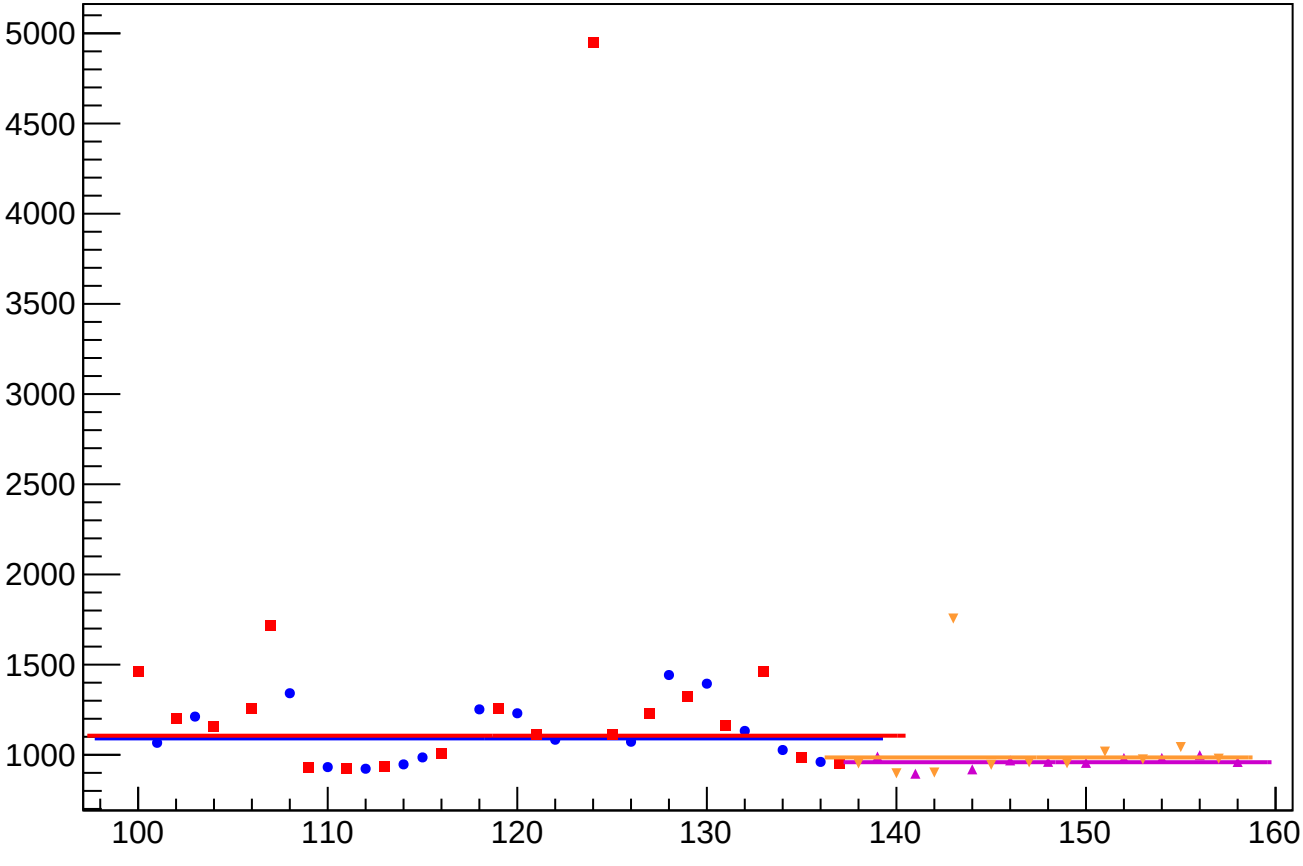
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -375.470+/-254.655 χ^2/NDF:20.5/25

Out: 27.075+/-261.095 χ^2/NDF:20.5/29

All: -179.223+/-182.302 χ^2/NDF: 42.2/55

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 985.570+/-0.239 χ^2/NDF:353076.6/10

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 959.066+/-0.230 χ^2/NDF:18722.8/9

Left: 971.801+/-0.166 χ^2/NDF: 378192.5/20

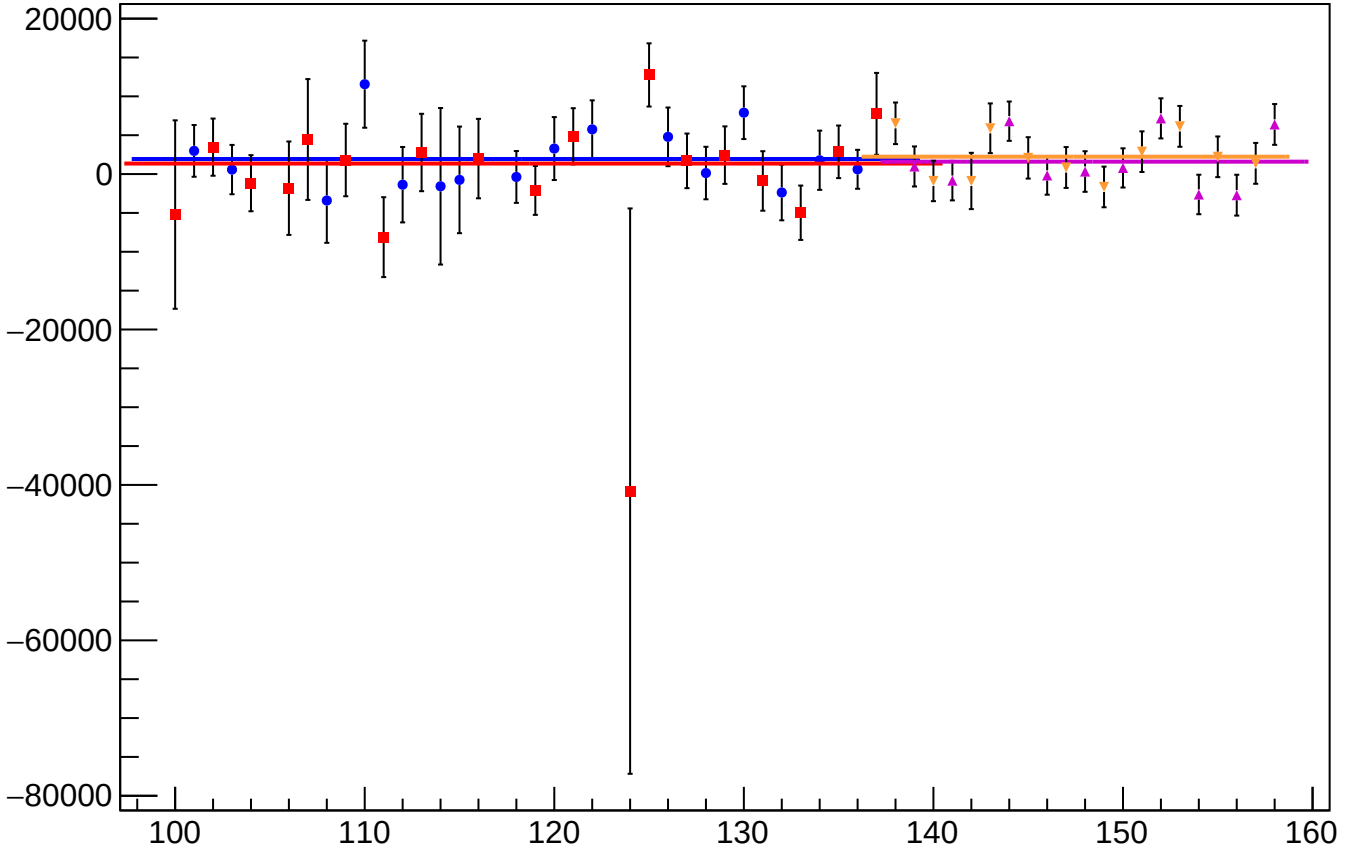
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1009.990+/-0.180 χ^2/NDF:423321.0/25

Out: 1034.108+/-0.185 χ^2/NDF:969615.5/29

All: 1021.748+/-0.129 χ^2/NDF: 1401682.6/55

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2234.726+/-823.374 χ^2/NDF:10.9/10

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1595.580+/-810.349 χ^2/NDF:19.5/9

Left: 1910.057+/-577.553 χ^2/NDF: 30.8/20

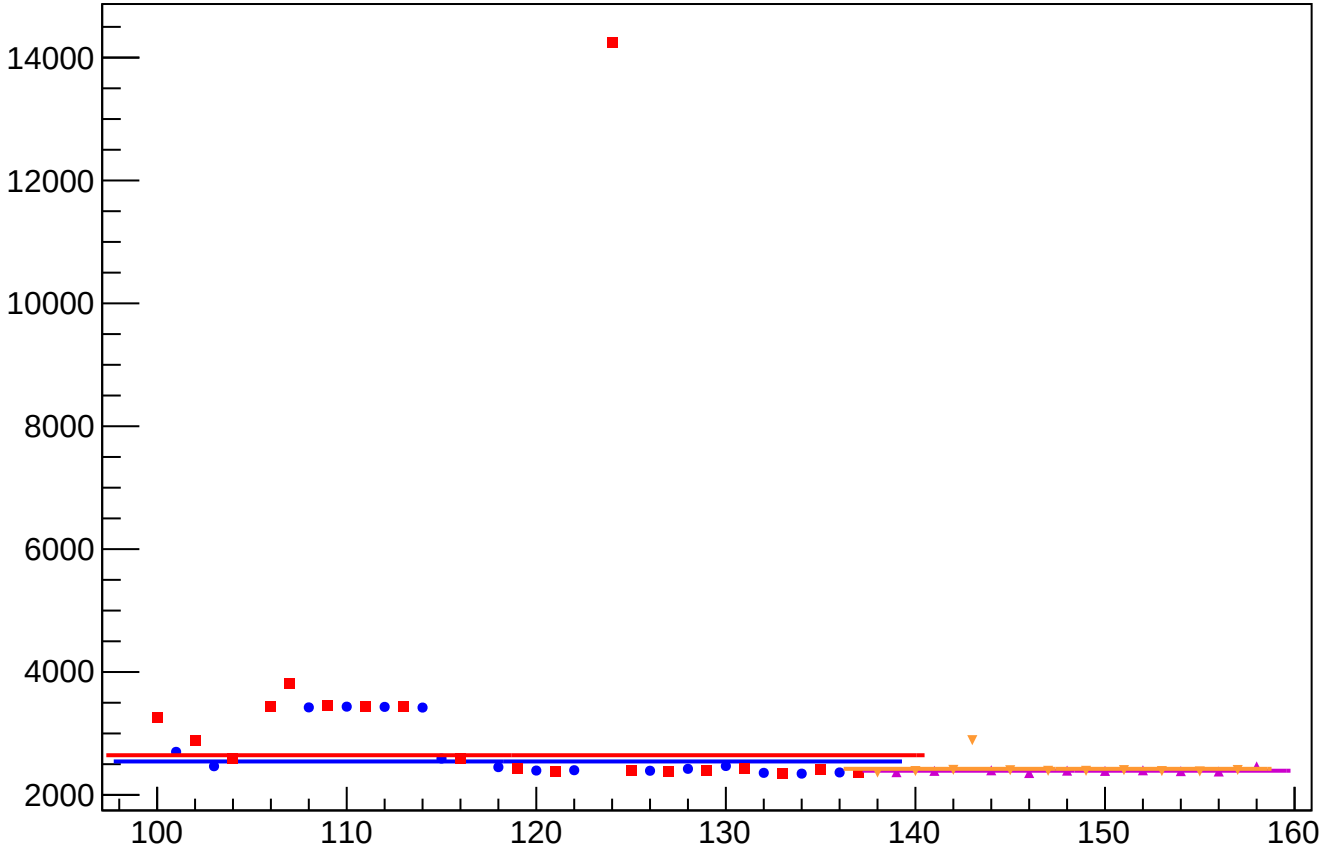
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1740.045+/-617.215 χ^2/NDF:31.8/25

Out: 1872.272+/-631.763 χ^2/NDF:33.2/29

All: 1804.619+/-441.491 χ^2/NDF: 65.1/55

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2424.296+/-0.582 χ^2/NDF:45848.1/10

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

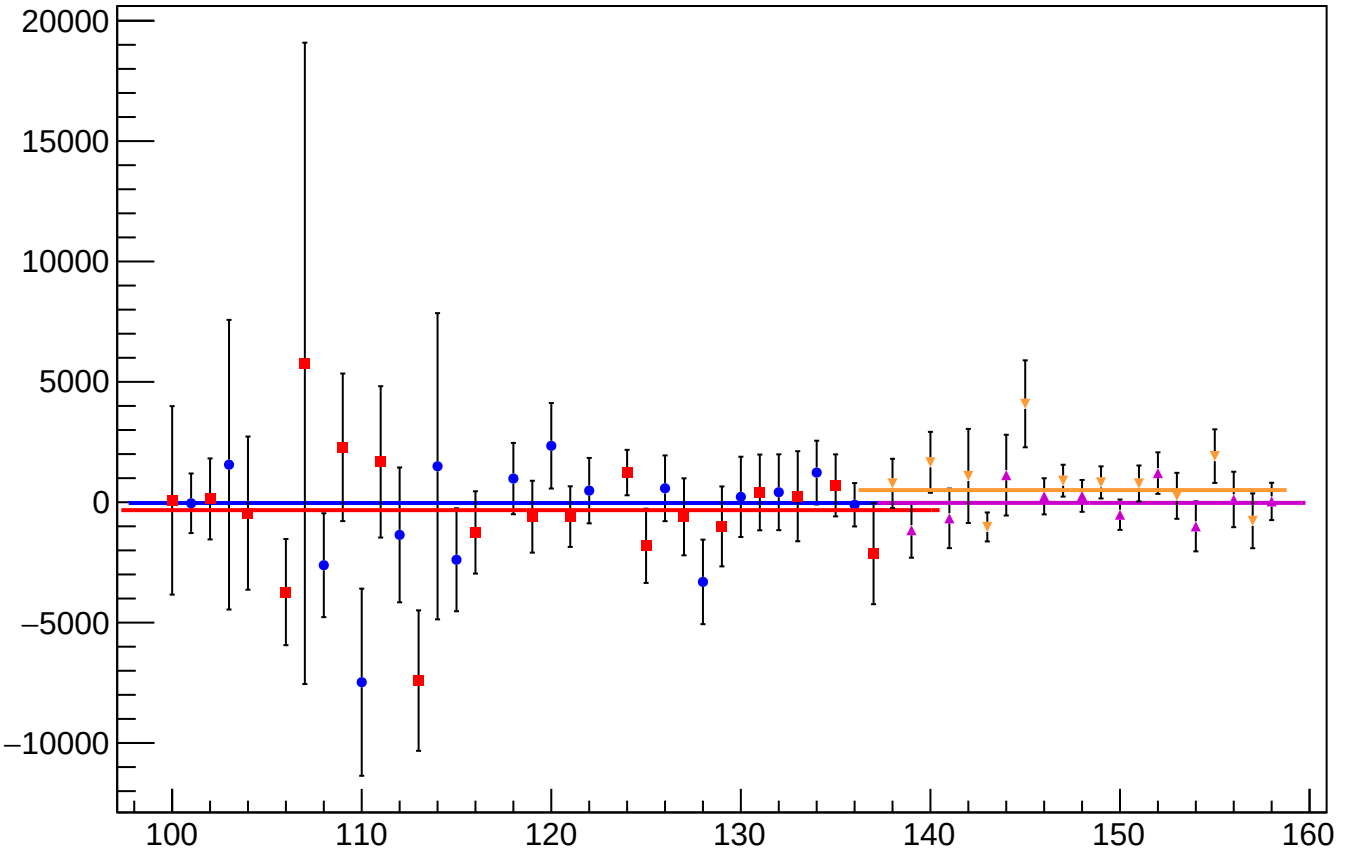
Left: 2408.644+/-0.408 χ^2/NDF: 49412.3/20

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2456.855+/-0.436 χ^2/NDF:256886.8/25

Out: 2515.332+/-0.447 χ^2/NDF:642259.9/29

All: 2485.412+/-0.312 χ^2/NDF: 907913.9/55



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 504.879+/-268.046 χ^2/NDF:15.0/10

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -26.753+/-276.968 χ^2/NDF:5.6/9

Left: 247.764+/-192.614 χ^2/NDF: 22.6/20

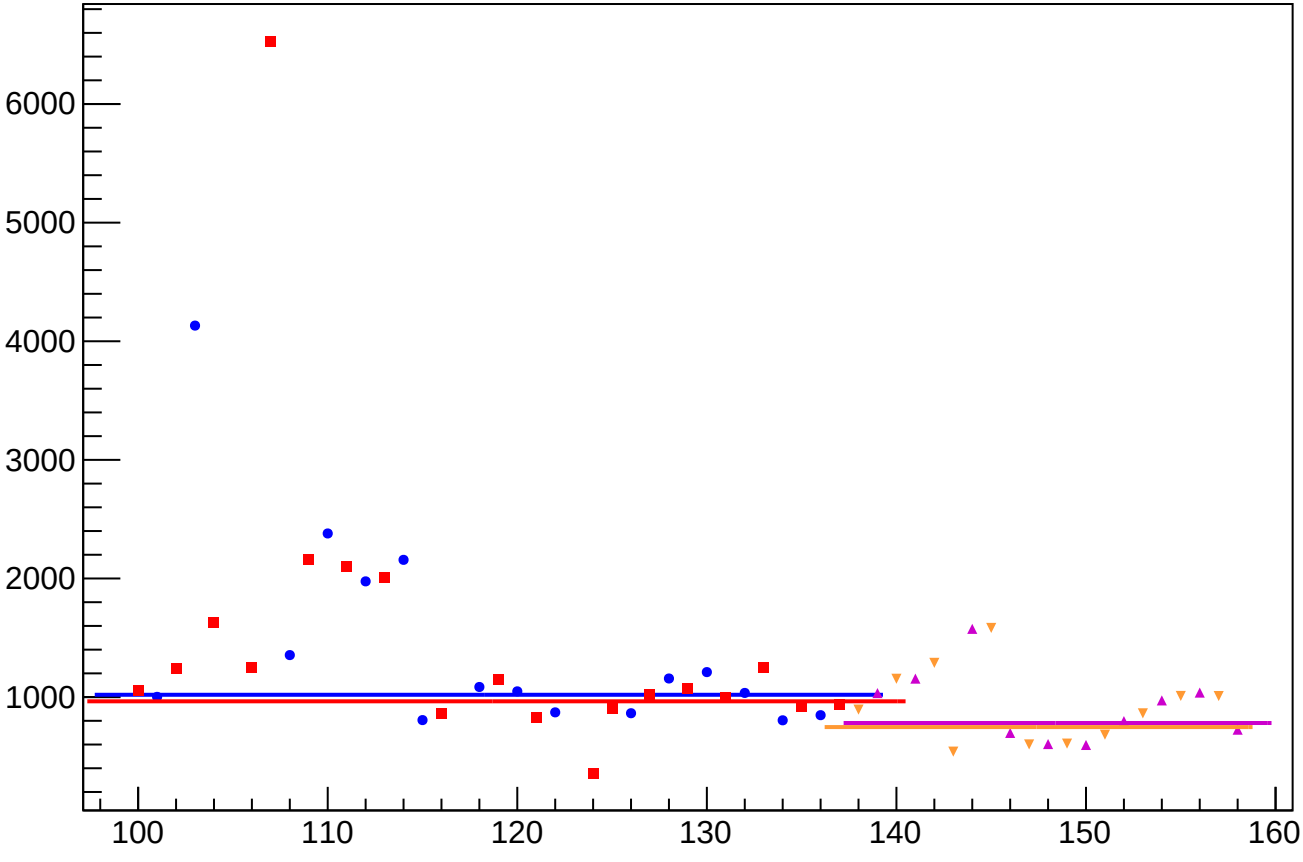
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -28.164+/-228.750 χ^2/NDF:19.4/25

Out: 245.347+/-222.424 χ^2/NDF:33.7/29

All: 112.426+/-159.467 χ^2/NDF: 53.8/55

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 747.156+/-0.190 χ^2/NDF:1514102.7/10

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 781.541+/-0.196 χ^2/NDF:1247225.2/9

Left: 763.786+/-0.136 χ^2/NDF: 2777245.5/20

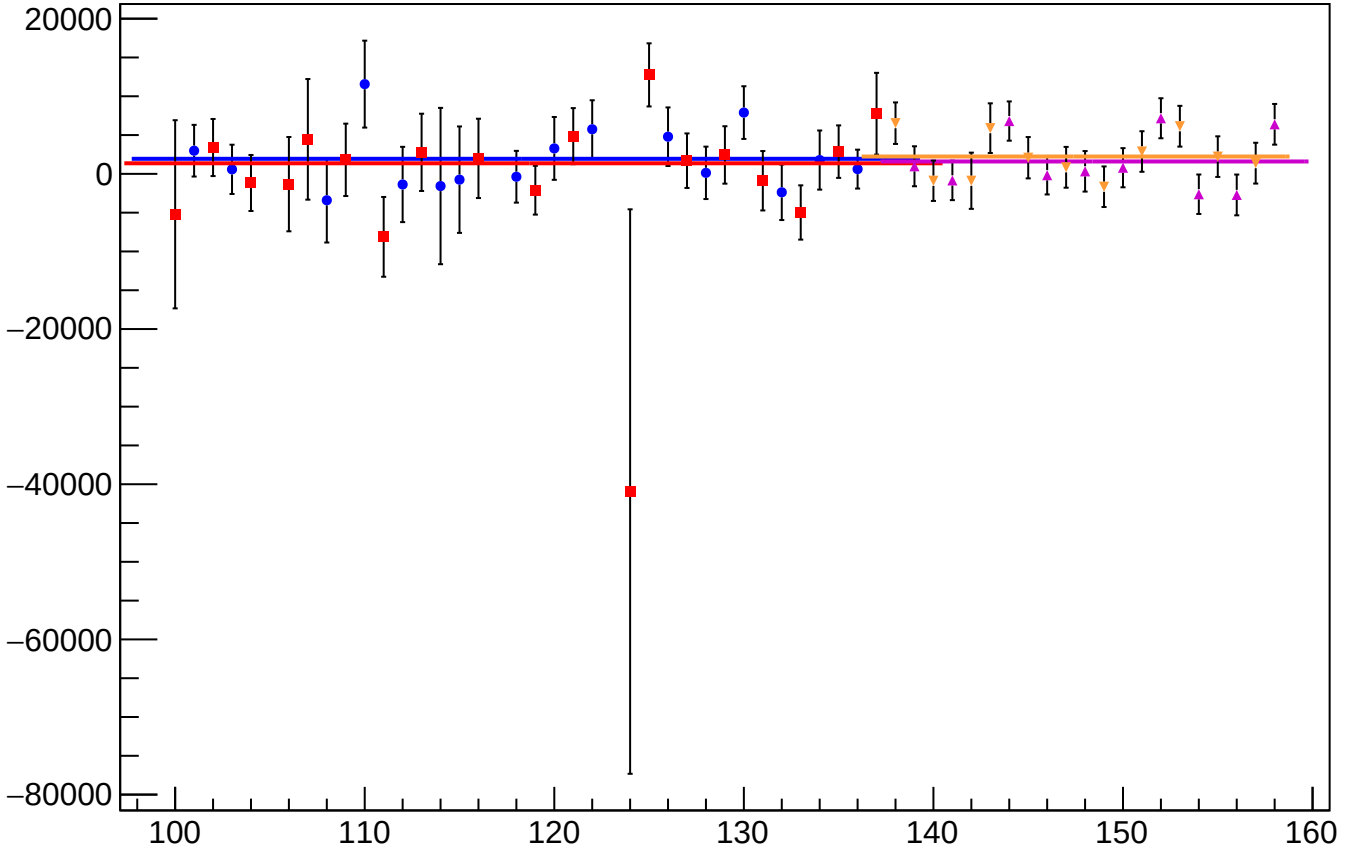
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 857.190+/-0.162 χ^2/NDF:3081340.2/25

Out: 814.806+/-0.157 χ^2/NDF:4232520.8/29

All: 835.403+/-0.113 χ^2/NDF: 7349154.2/55

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2234.593+/-823.374 χ^2/NDF:10.9/10

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1595.771+/-810.349 χ^2/NDF:19.5/9

Left: 1910.090+/-577.553 χ^2/NDF: 30.8/20

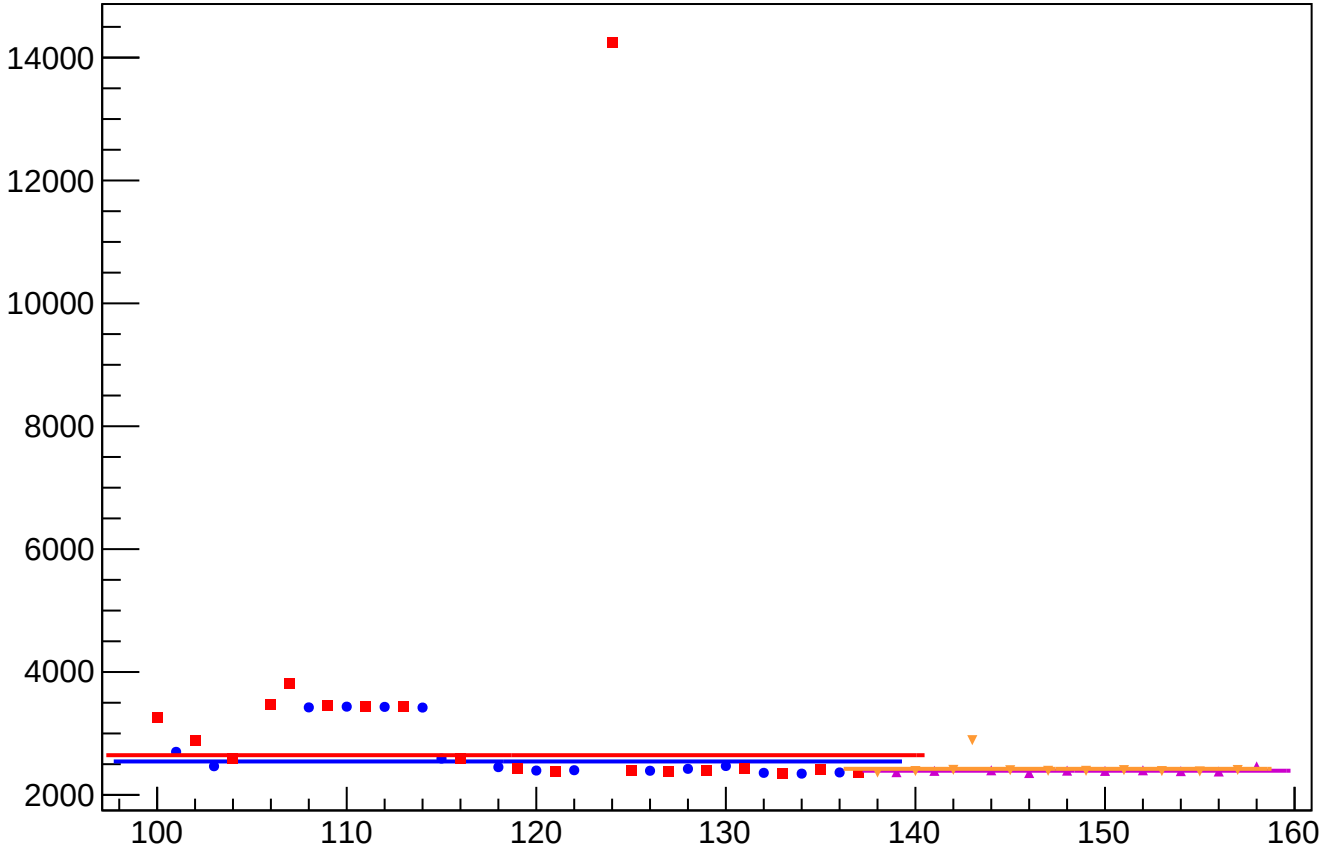
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1740.303+/-617.215 χ^2/NDF:31.8/25

Out: 1876.296+/-631.842 χ^2/NDF:33.1/29

All: 1806.707+/-441.518 χ^2/NDF: 65.0/55

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2424.296+/-0.582 χ^2/NDF:45848.1/10

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

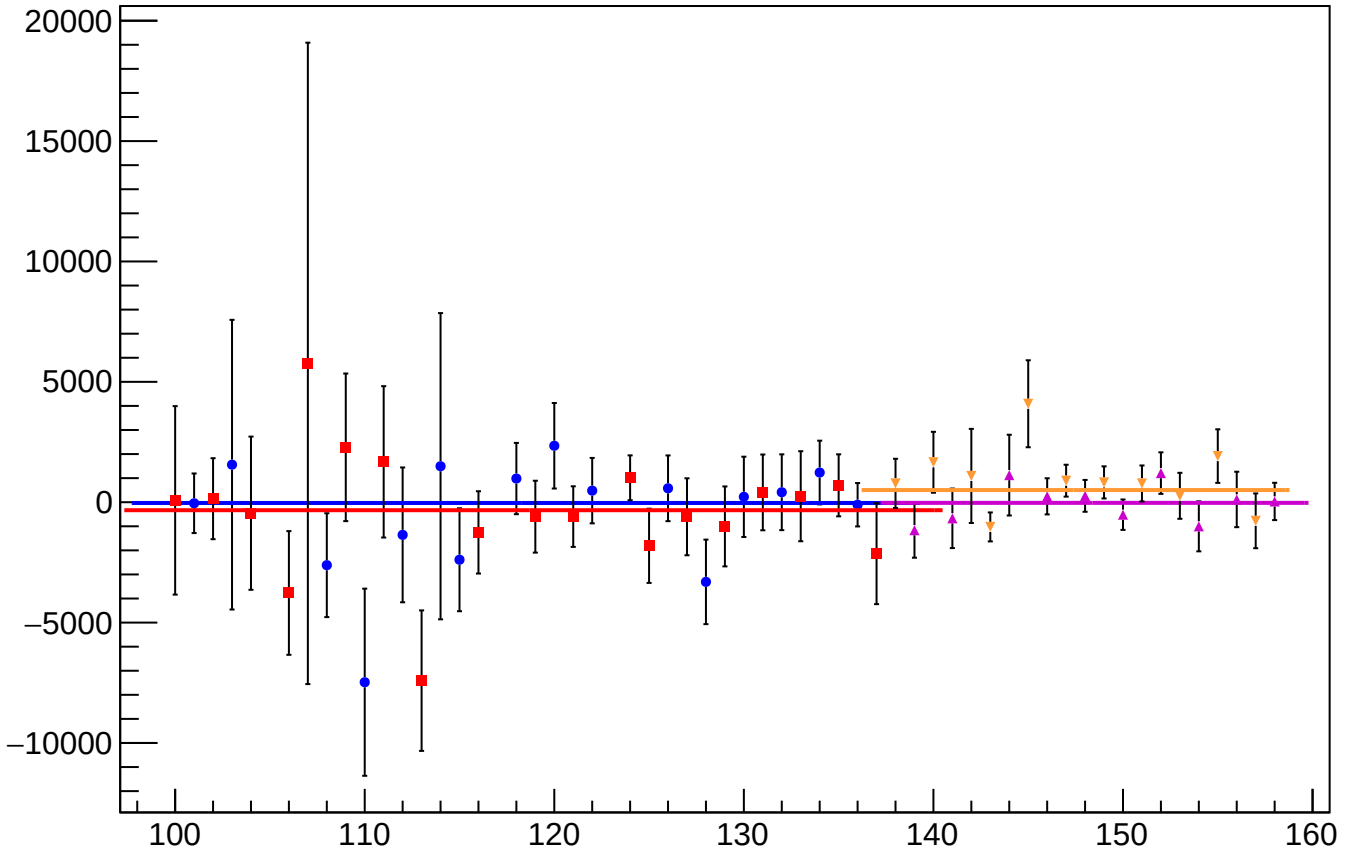
Left: 2408.644+/-0.408 χ^2/NDF: 49412.3/20

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2456.855+/-0.436 χ^2/NDF:256886.8/25

Out: 2515.528+/-0.447 χ^2/NDF:645119.2/29

All: 2485.504+/-0.312 χ^2/NDF: 910830.9/55



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 504.716+/-268.050 χ^2/NDF:15.0/10

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -26.724+/-276.967 χ^2/NDF:5.6/9

Left: 247.689+/-192.615 χ^2/NDF: 22.6/20

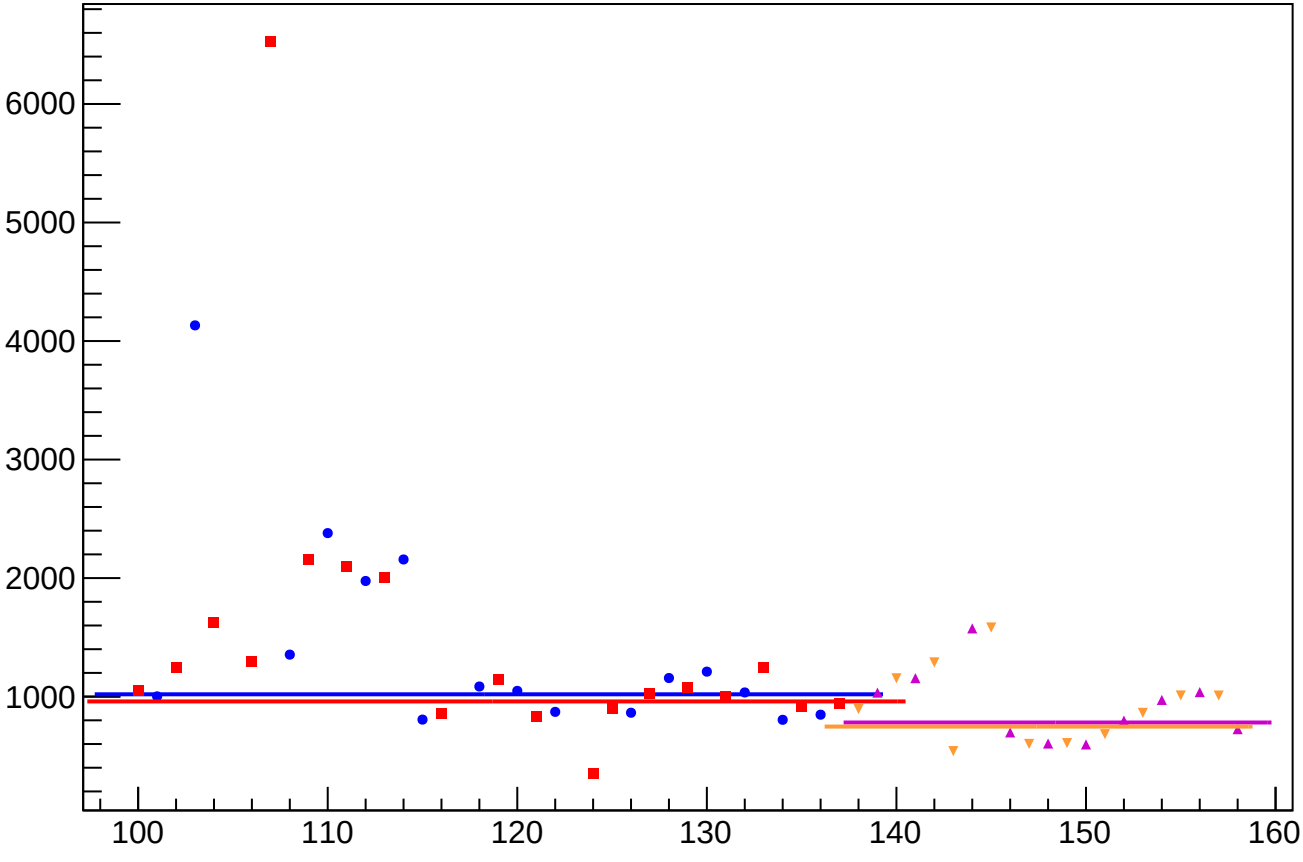
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -28.163+/-228.749 χ^2/NDF:19.4/25

Out: 244.832+/-222.560 χ^2/NDF:32.5/29

All: 112.077+/-159.517 χ^2/NDF: 52.6/55

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 747.170+/-0.190 χ^2/NDF:1514088.6/10

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 781.535+/-0.196 χ^2/NDF:1247320.1/9

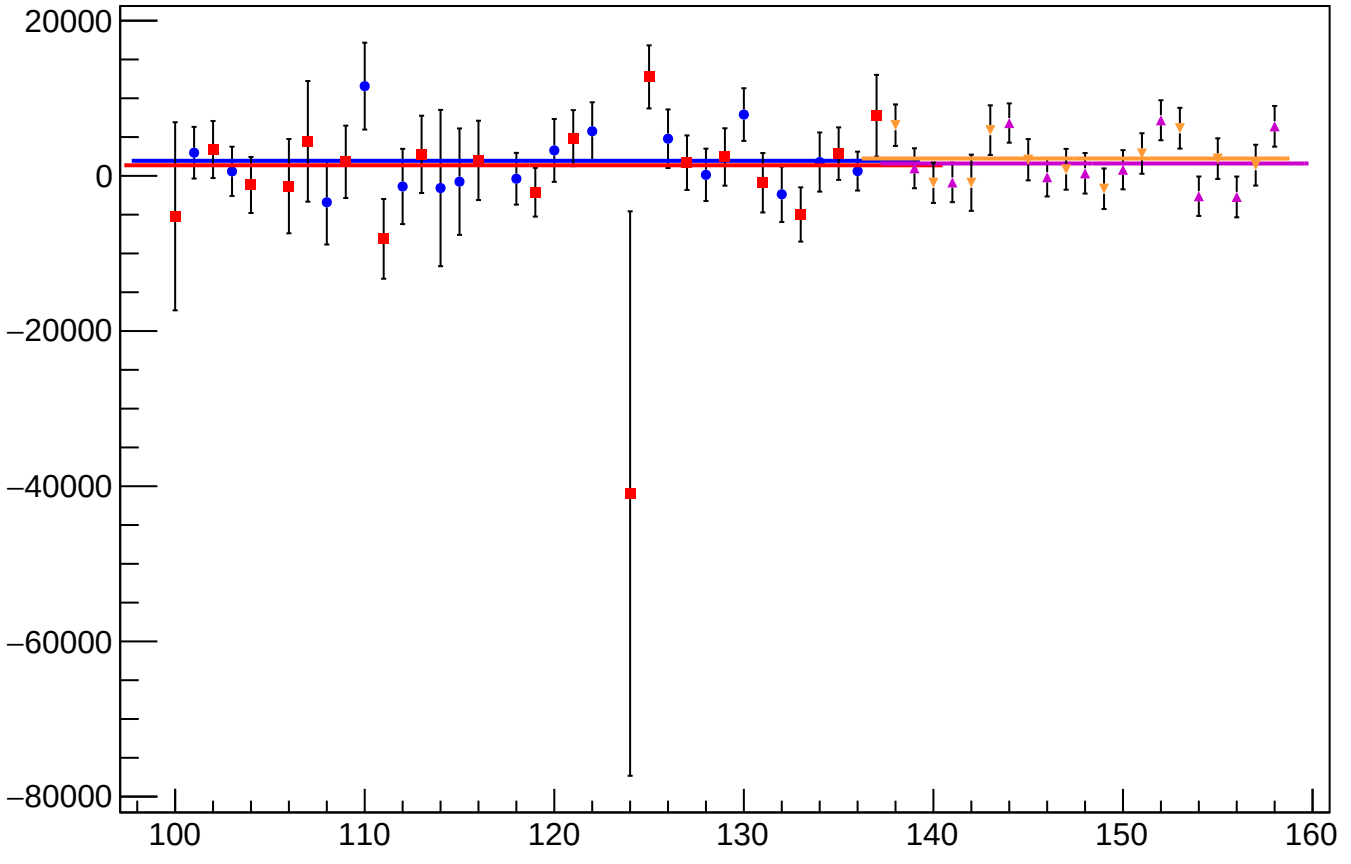
Left: 763.790+/-0.136 χ^2/NDF: 2777307.0/20

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 857.183+/-0.162 χ^2/NDF:3081426.2/25

Out: 813.074+/-0.157 χ^2/NDF:4247750.9/29

All: 834.524+/-0.113 χ^2/NDF: 7367378.6/55



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2234.593+/-823.374 χ^2/NDF:10.9/10

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1595.771+/-810.349 χ^2/NDF:19.5/9

Left: 1910.090+/-577.553 χ^2/NDF: 30.8/20

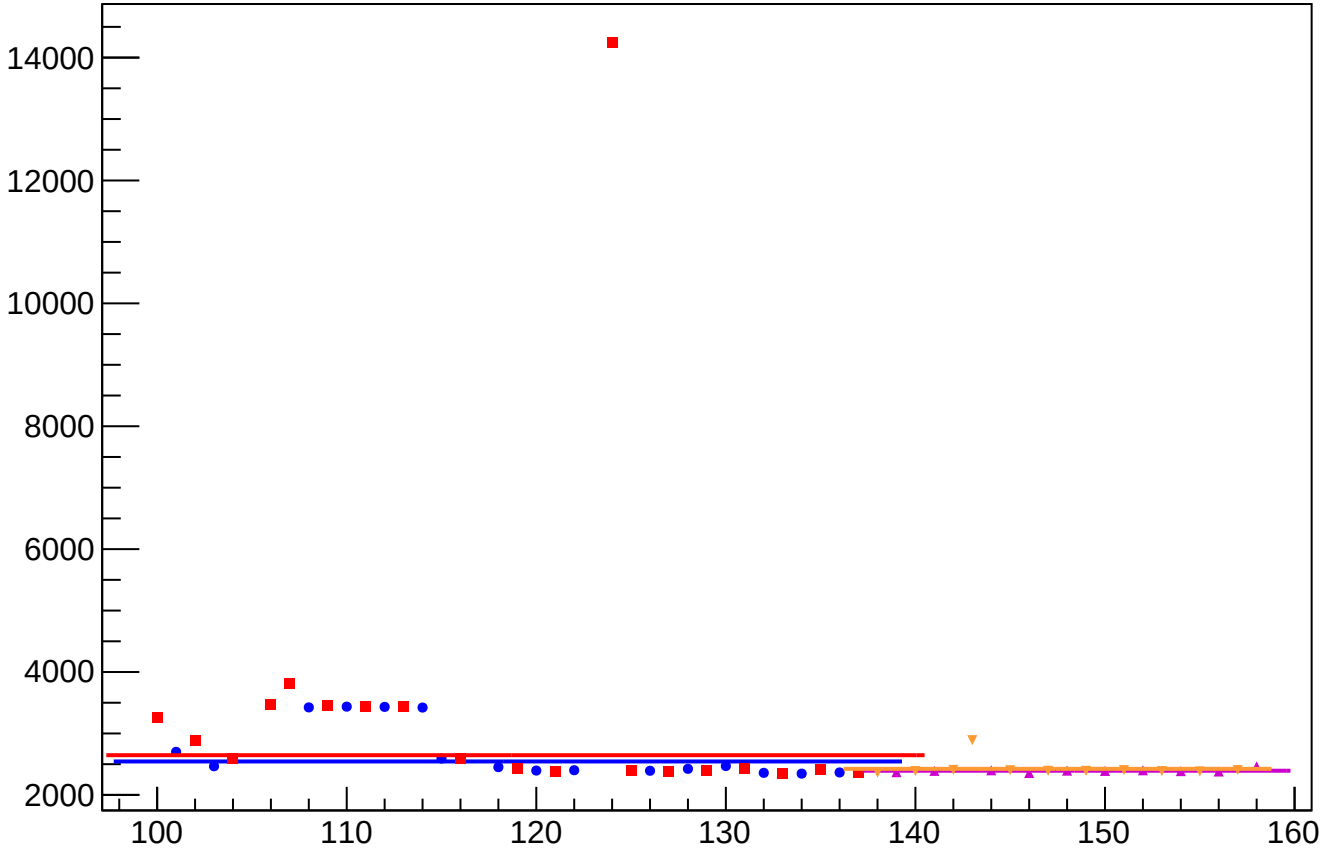
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1740.303+/-617.215 χ^2/NDF:31.8/25

Out: 1876.296+/-631.842 χ^2/NDF:33.1/29

All: 1806.707+/-441.518 χ^2/NDF: 65.0/55

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2424.296+/-0.582 χ^2/NDF:45848.1/10

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

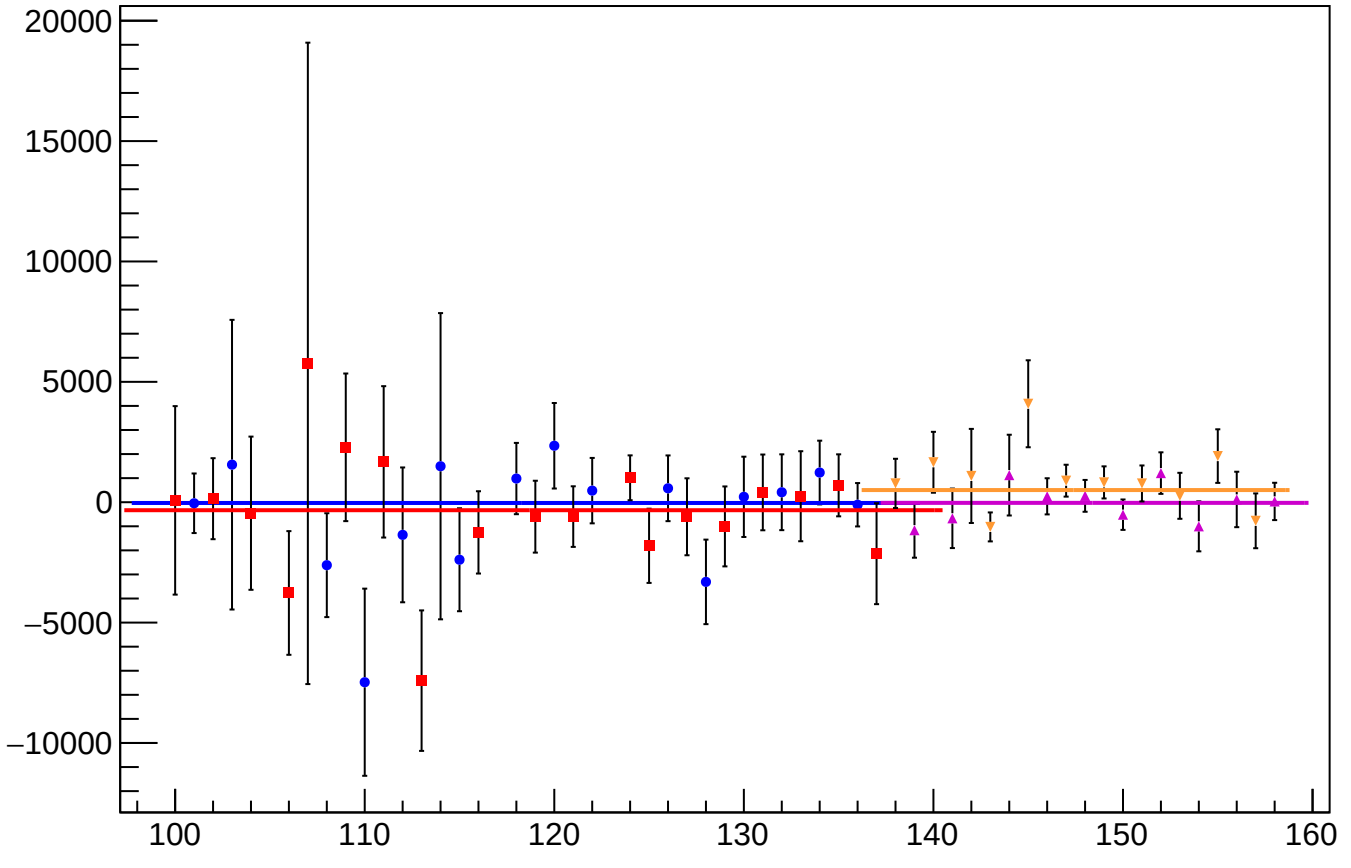
Left: 2408.644+/-0.408 χ^2/NDF: 49412.3/20

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2456.855+/-0.436 χ^2/NDF:256886.8/25

Out: 2515.528+/-0.447 χ^2/NDF:645119.2/29

All: 2485.504+/-0.312 χ^2/NDF: 910830.9/55



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 504.716+/-268.050 χ^2/NDF:15.0/10

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -26.724+/-276.967 χ^2/NDF:5.6/9

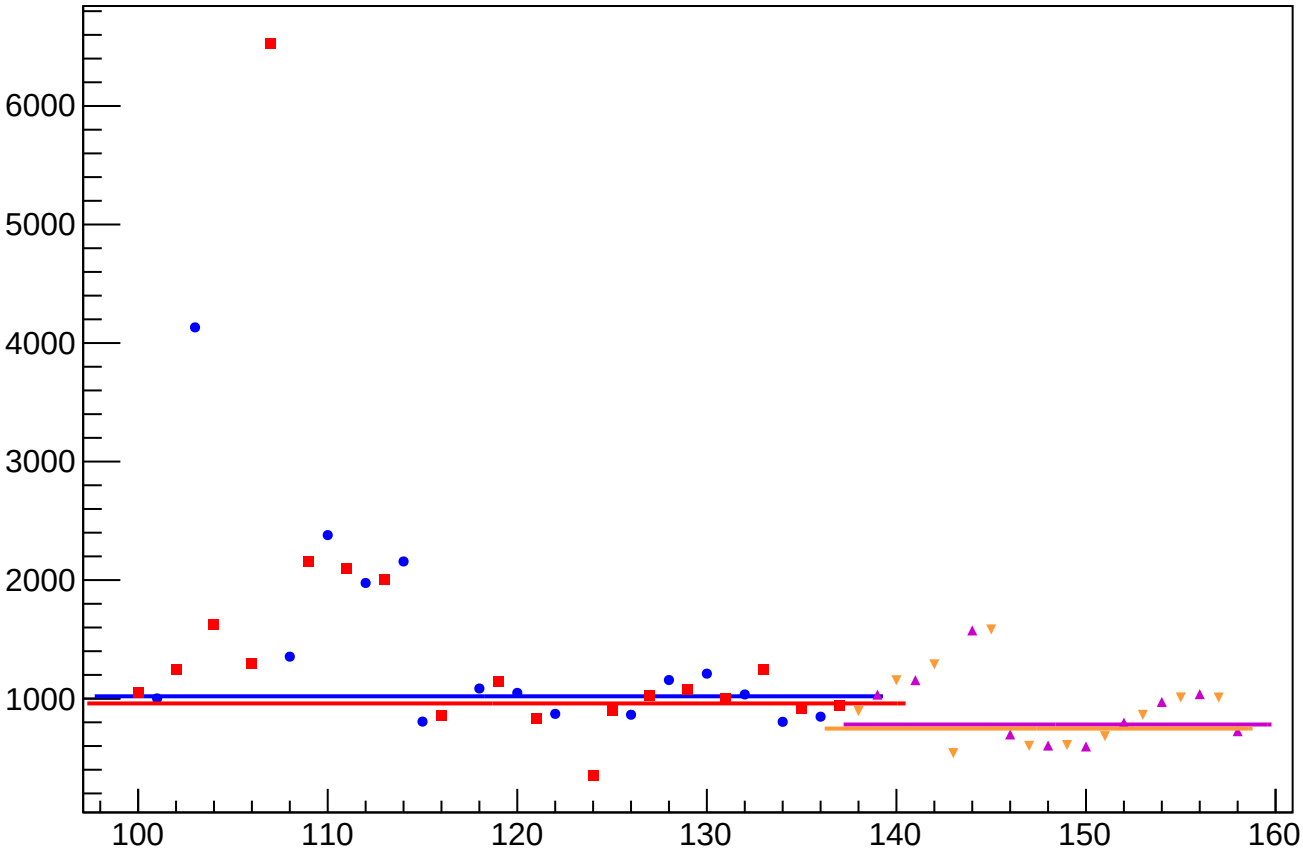
Left: 247.689+/-192.615 χ^2/NDF: 22.6/20

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -28.163+/-228.749 χ^2/NDF:19.4/25

Out: 244.832+/-222.560 χ^2/NDF:32.5/29

All: 112.077+/-159.517 χ^2/NDF: 52.6/55



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 747.170+/-0.190 χ^2/NDF:1514088.6/10

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 781.535+/-0.196 χ^2/NDF:1247320.1/9

Left: 763.790+/-0.136 χ^2/NDF: 2777307.0/20

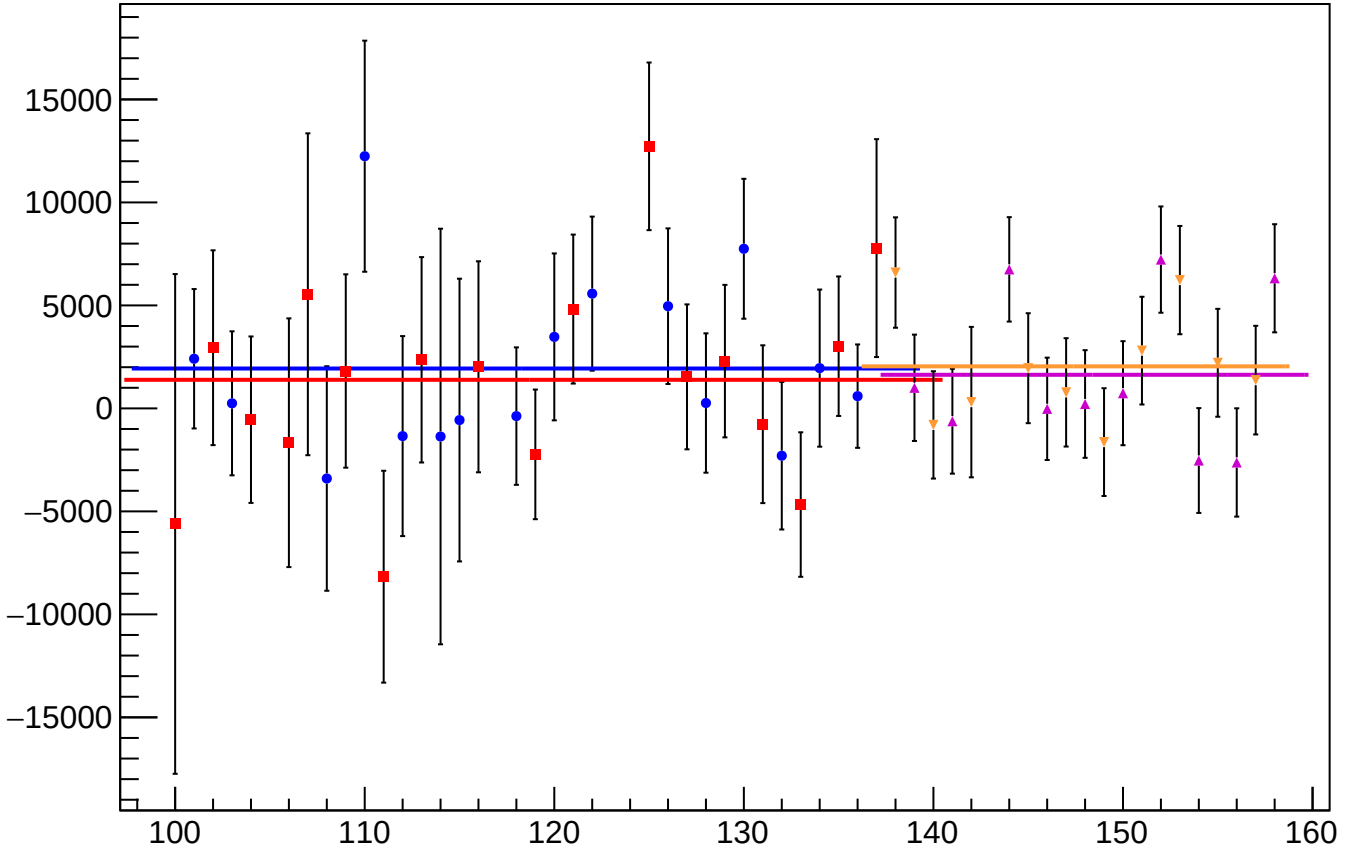
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 857.183+/-0.162 χ^2/NDF:3081426.2/25

Out: 813.074+/-0.157 χ^2/NDF:4247750.9/29

All: 834.524+/-0.113 χ^2/NDF: 7367378.6/55

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2040.693+/-853.364 χ^2/NDF:9.2/9

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1631.203+/-811.125 χ^2/NDF:19.0/9

Left: 1825.563+/-587.917 χ^2/NDF: 28.3/19

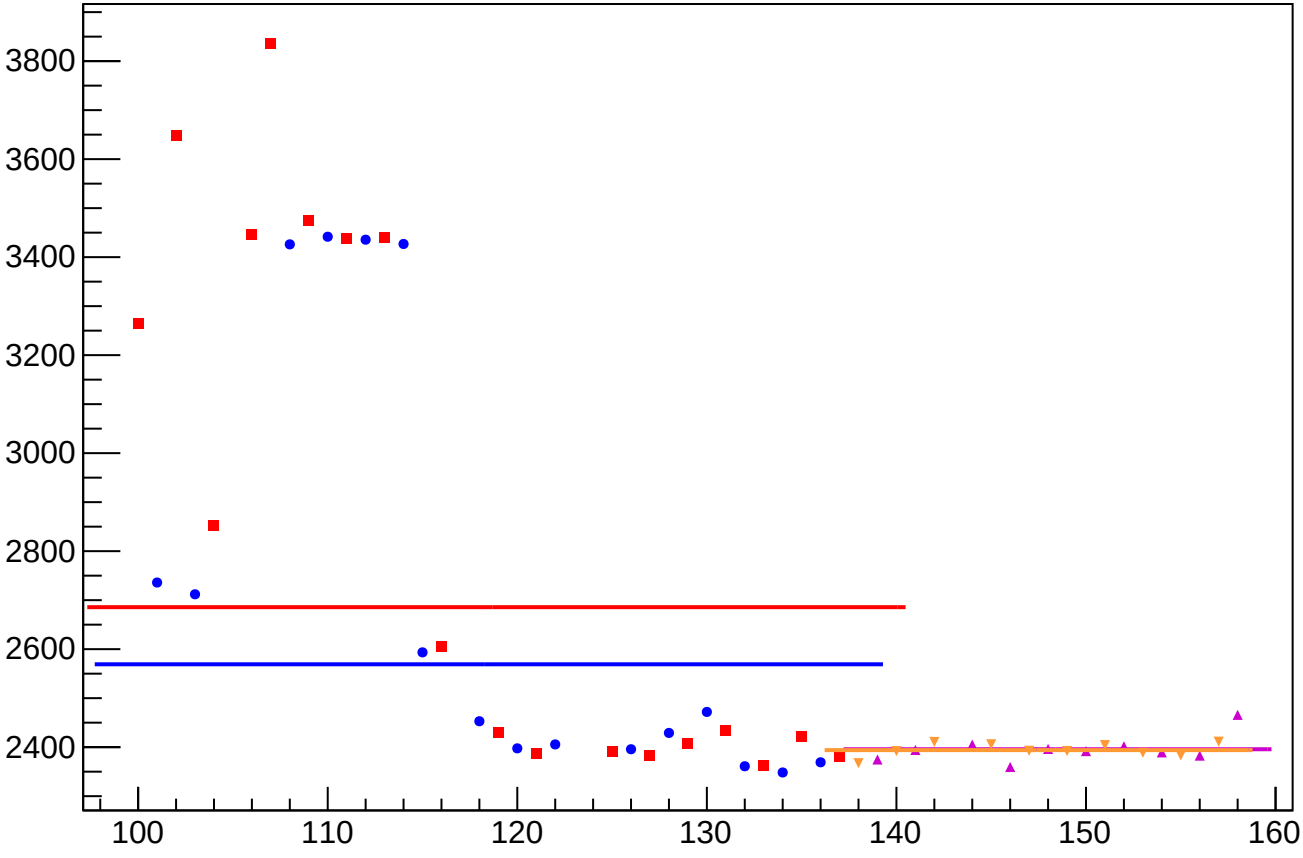
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1757.800+/-620.201 χ^2/NDF:31.4/25

Out: 1768.357+/-651.603 χ^2/NDF:29.2/27

All: 1762.818+/-449.240 χ^2/NDF: 60.6/53

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.993+/-0.603 χ^2/NDF:442.2/9

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2395.760+/-0.574 χ^2/NDF:2092.0/9

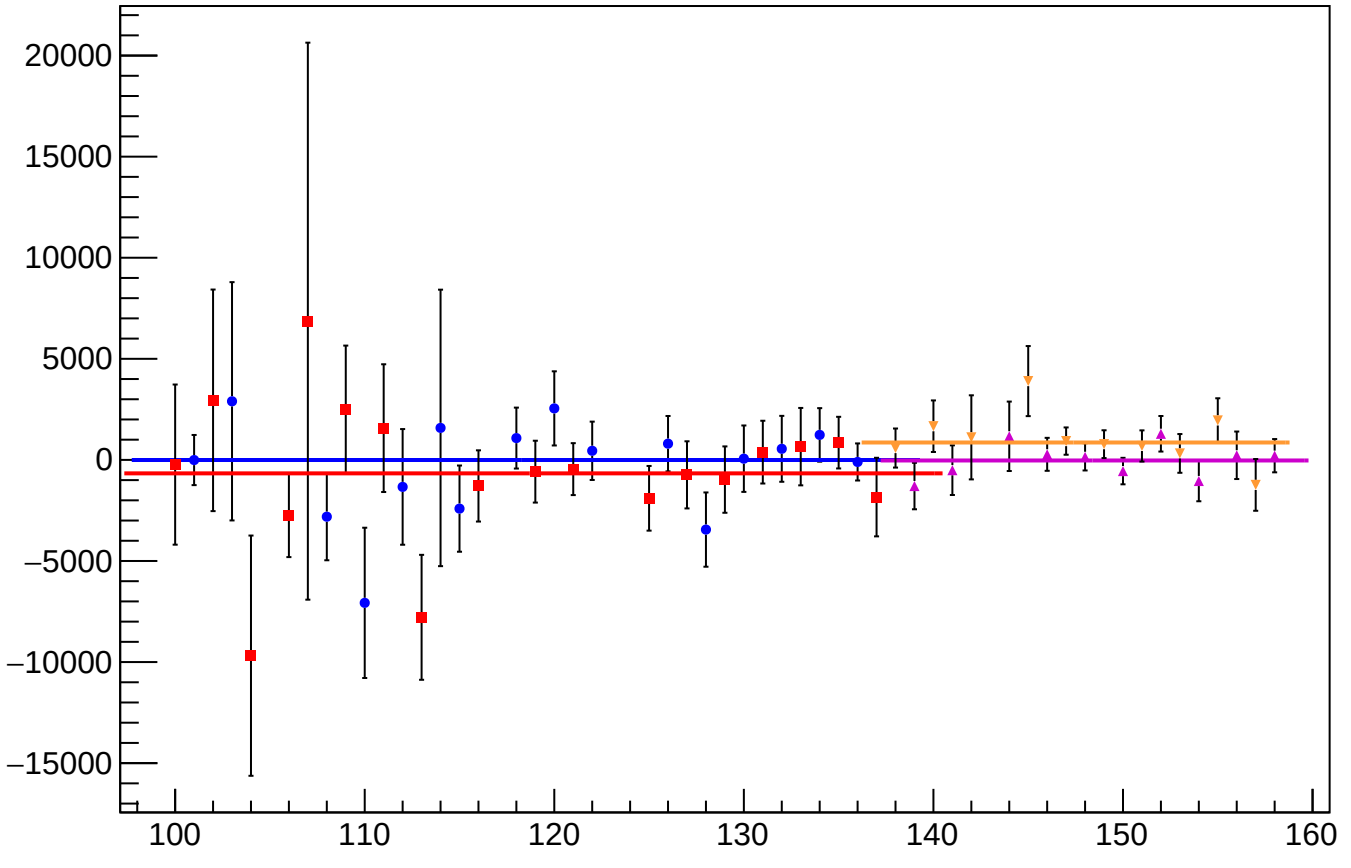
Left: 2394.922+/-0.416 χ^2/NDF: 2538.7/19

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2467.771+/-0.439 χ^2/NDF:269530.6/25

Out: 2515.613+/-0.461 χ^2/NDF:517132.4/27

All: 2490.511+/-0.318 χ^2/NDF: 792319.8/53



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 860.920+/-304.628 χ^2/NDF:7.6/9

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -28.478+/-285.331 χ^2/NDF:6.1/9

Left: 387.162+/-208.248 χ^2/NDF: 18.3/19

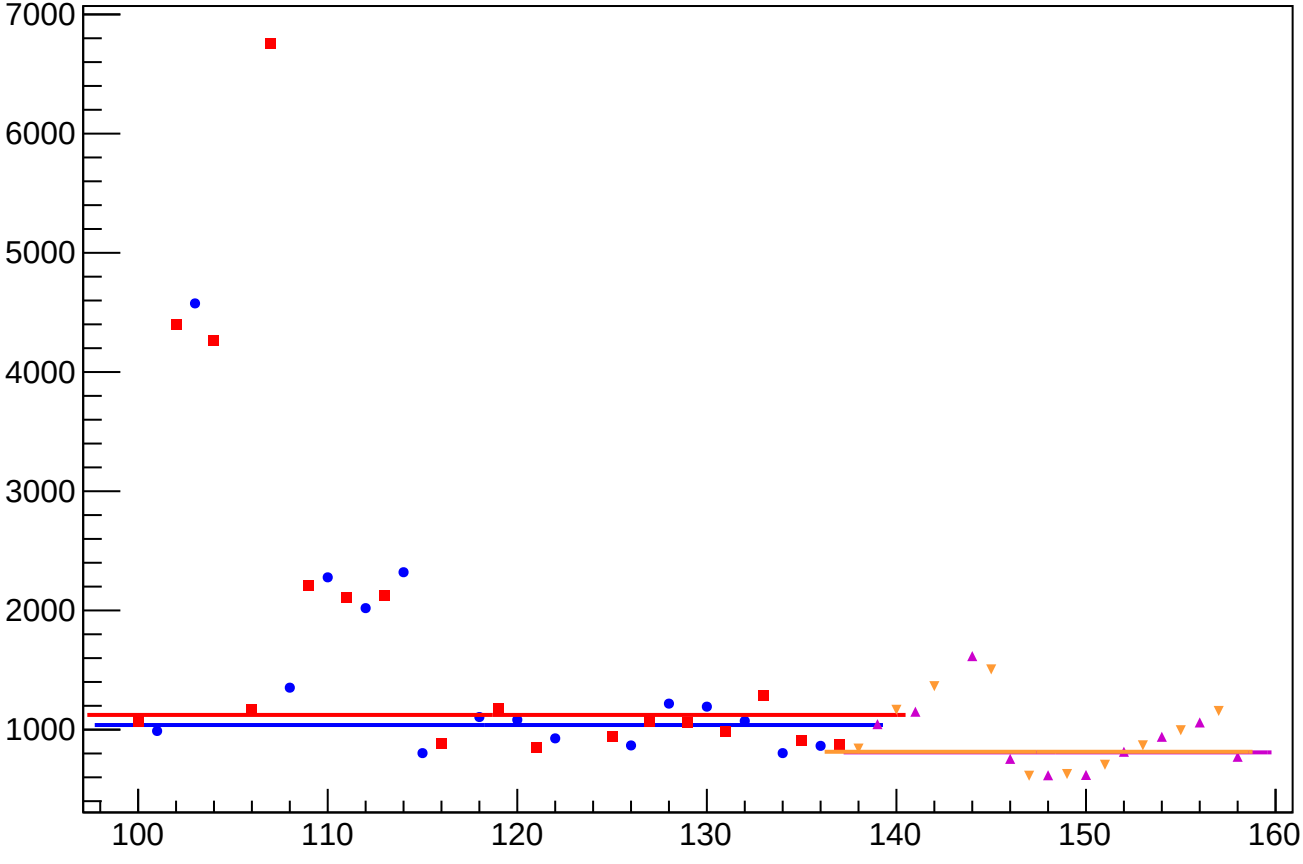
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -20.928+/-234.616 χ^2/NDF:20.6/25

Out: 396.162+/-254.070 χ^2/NDF:29.7/27

All: 171.039+/-172.366 χ^2/NDF: 51.7/53

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 814.367+/-0.215 χ^2/NDF:1180364.0/9

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 809.257+/-0.202 χ^2/NDF:1149126.8/9

Left: 811.645+/-0.147 χ^2/NDF: 2329790.5/19

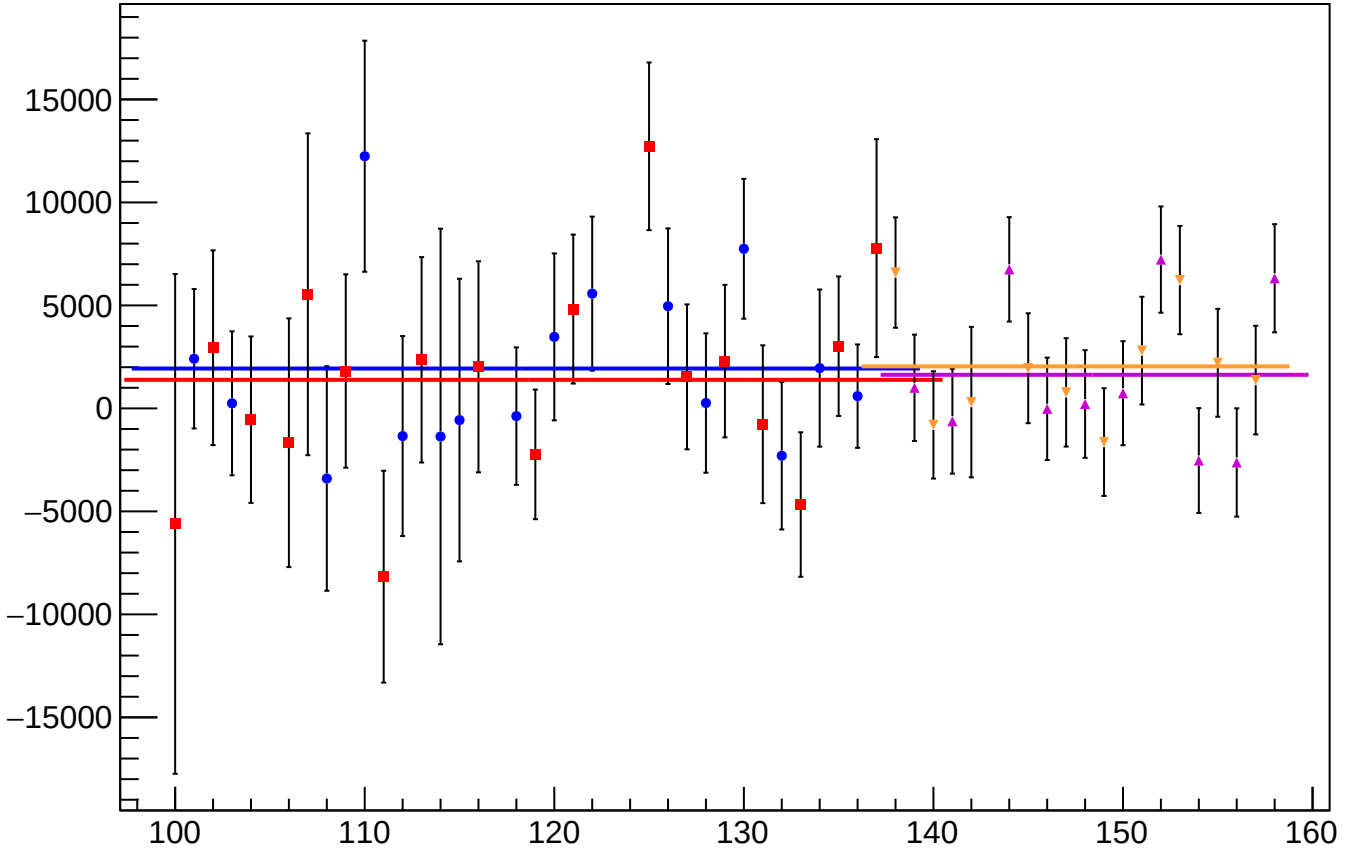
Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 883.605+/-0.166 χ^2/NDF:3108103.0/25

Out: 908.455+/-0.180 χ^2/NDF:4342684.0/27

All: 895.042+/-0.122 χ^2/NDF: 7461113.5/53

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2040.695+/-853.364 χ^2/NDF:9.2/9

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1631.203+/-811.125 χ^2/NDF:19.0/9

Left: 1825.564+/-587.917 χ^2/NDF: 28.3/19

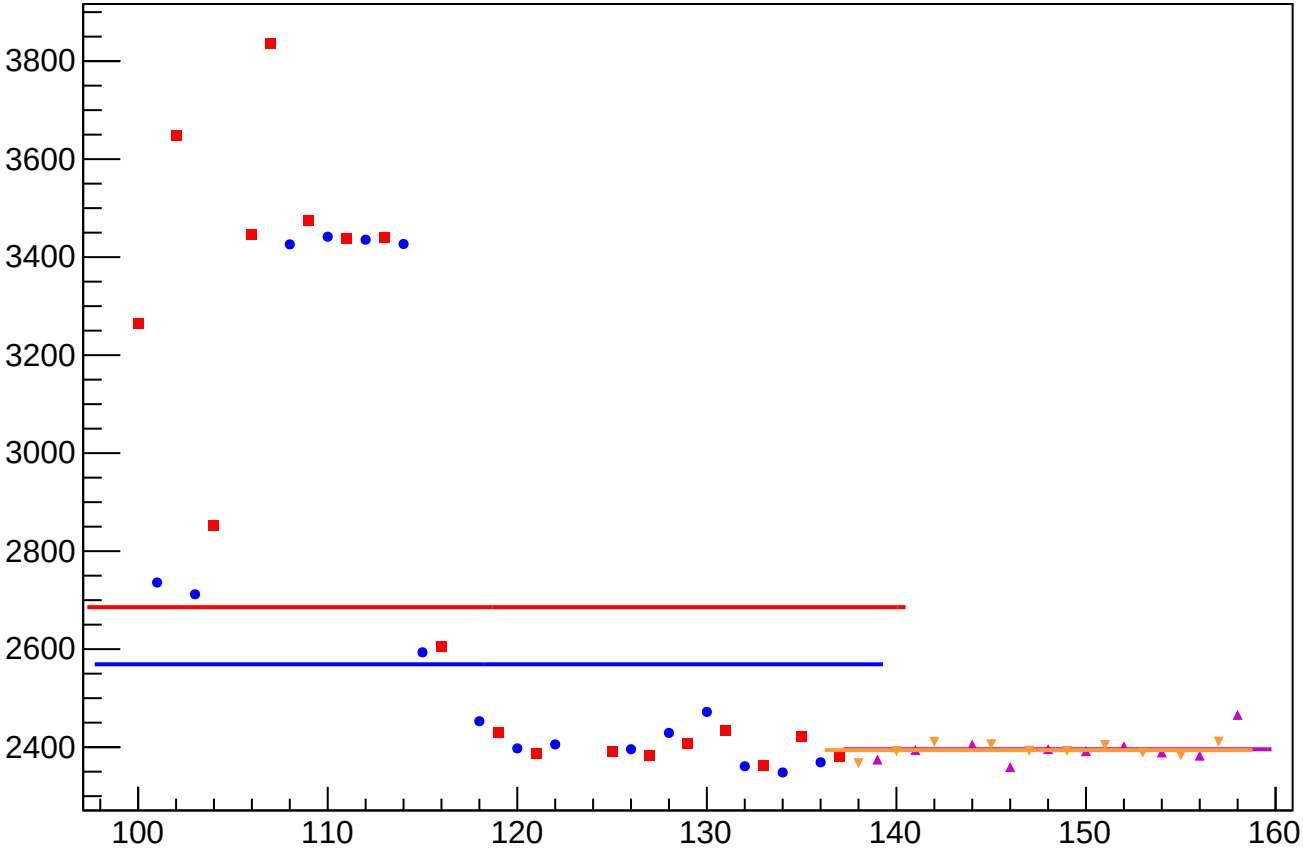
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1757.799+/-620.201 χ^2/NDF:31.4/25

Out: 1768.358+/-651.603 χ^2/NDF:29.2/27

All: 1762.818+/-449.240 χ^2/NDF: 60.6/53

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.993+/-0.603 χ^2/NDF:442.2/9

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2395.760+/-0.574 χ^2/NDF:2092.0/9

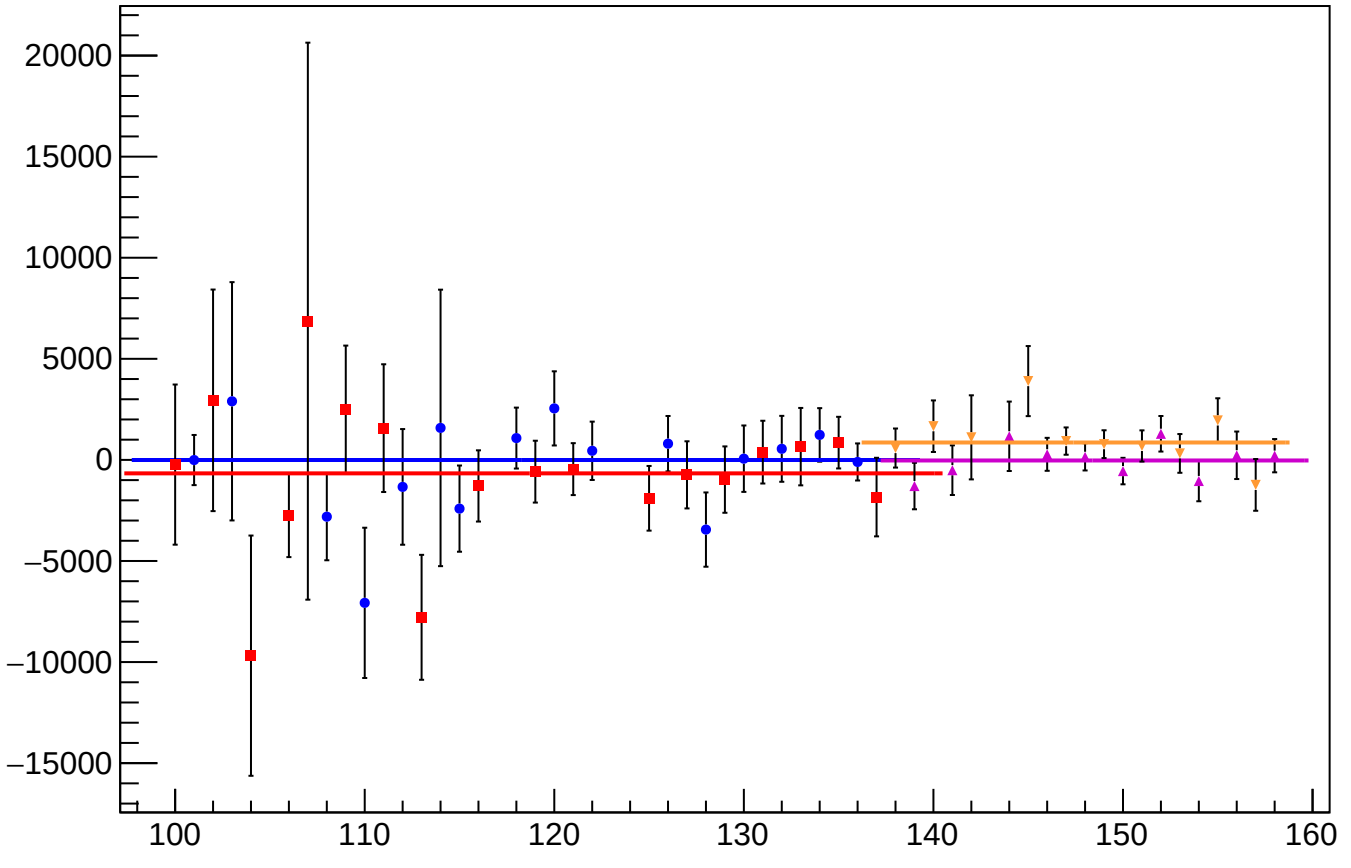
Left: 2394.922+/-0.416 χ^2/NDF: 2538.7/19

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2467.771+/-0.439 χ^2/NDF:269530.2/25

Out: 2515.613+/-0.461 χ^2/NDF:517131.6/27

All: 2490.511+/-0.318 χ^2/NDF: 792318.6/53



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 860.921+/-304.628 χ^2/NDF:7.6/9

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -28.477+/-285.332 χ^2/NDF:6.1/9

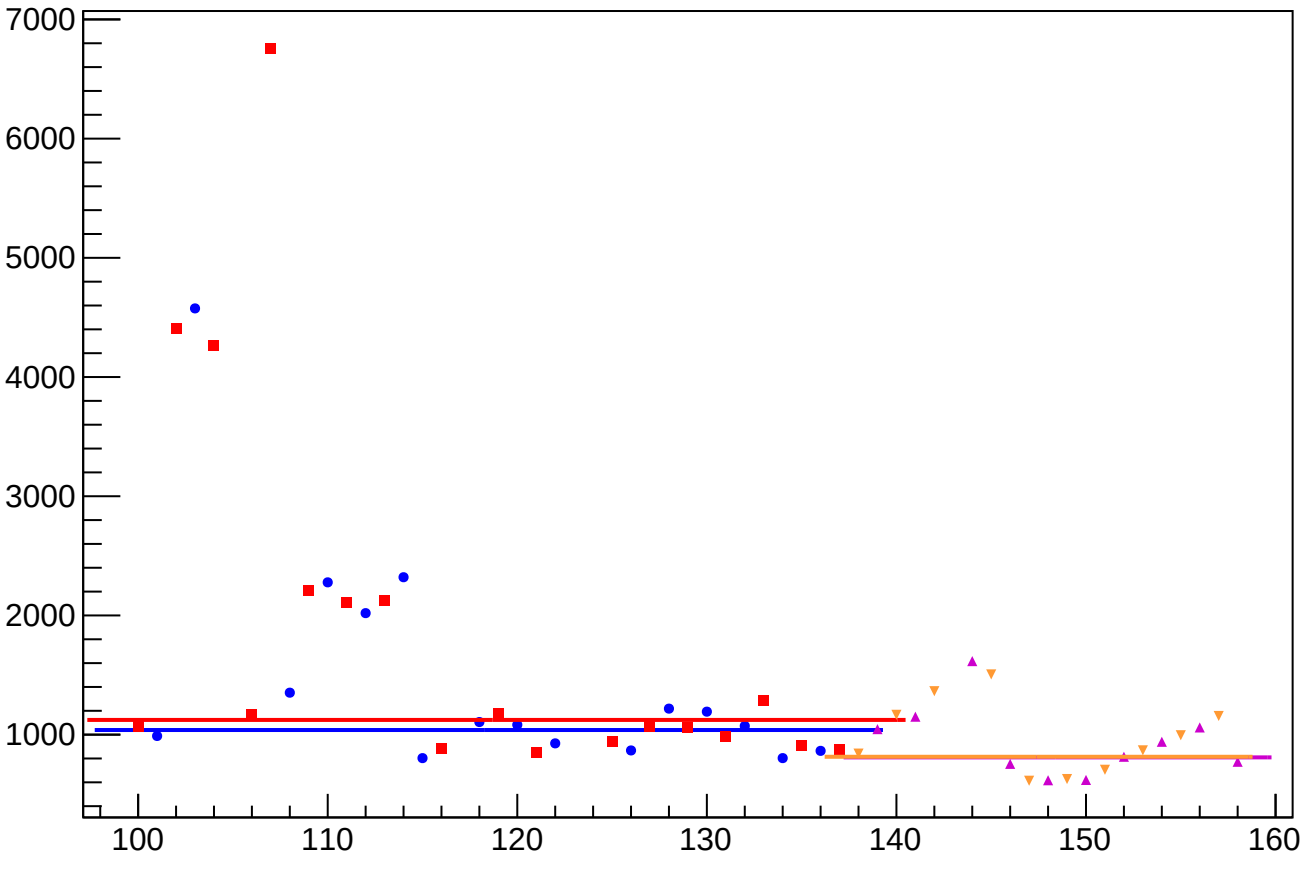
Left: 387.163+/-208.248 χ^2/NDF: 18.3/19

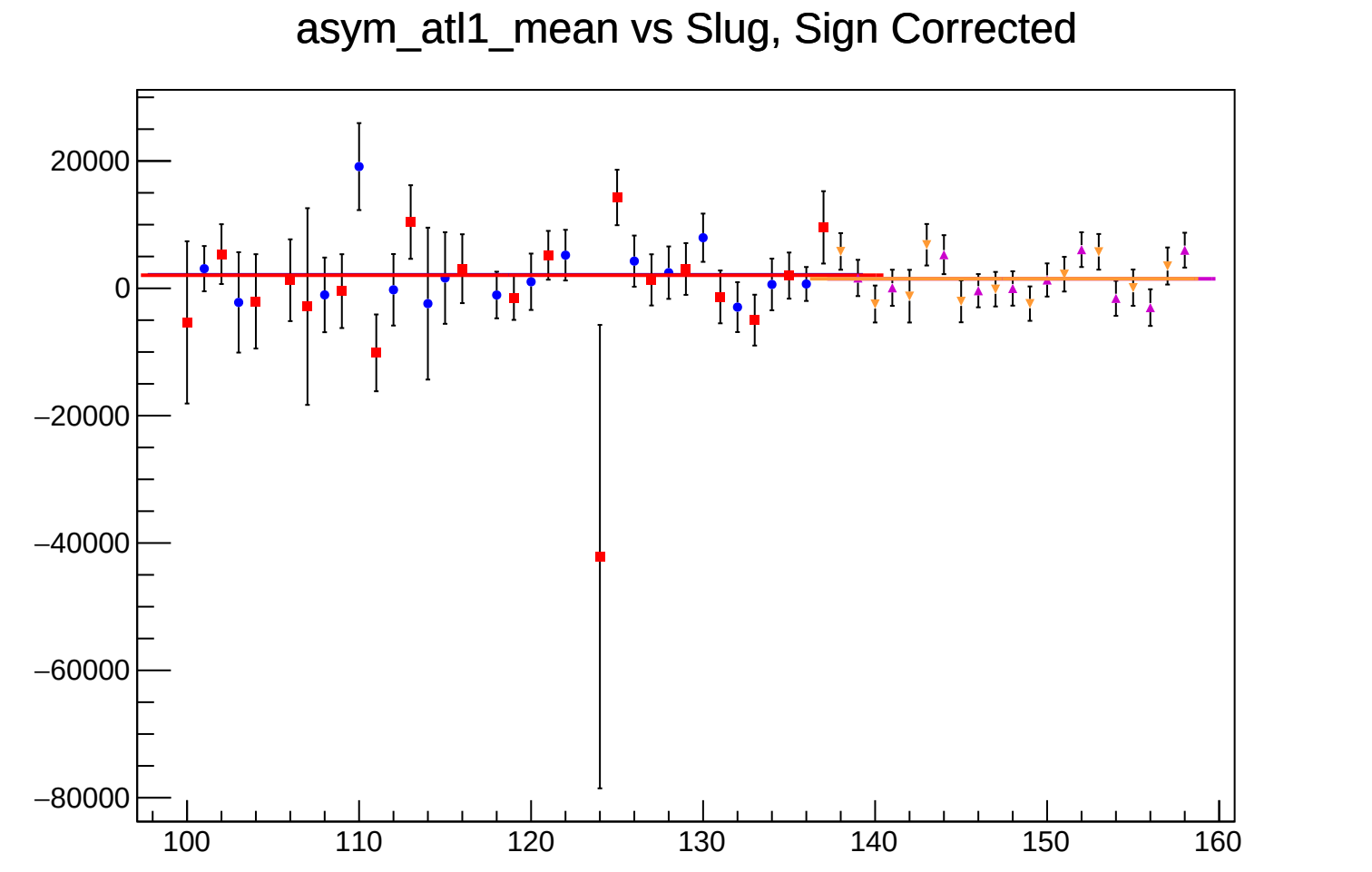
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -20.928+/-234.616 χ^2/NDF:20.6/25

Out: 396.161+/-254.070 χ^2/NDF:29.7/27

All: 171.039+/-172.367 χ^2/NDF: 51.7/53


asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1038.804+/-0.292 χ²/NDF: 1539724.8/15
Left Out: 814.368+/-0.215 χ²/NDF:1180361.7/9
Right Out: 1123.474+/-0.326 χ²/NDF: 2535509.9/17
Left In: 809.259+/-0.202 χ²/NDF:1149124.2/9
Left: 811.646+/-0.147 χ²/NDF: 2329785.6/19
Right: 1076.471+/-0.217 χ²/NDF: 4112767.4/33
In: 883.606+/-0.166 χ²/NDF:3108090.9/25
Out: 908.456+/-0.180 χ²/NDF:4342674.5/27
All: 895.043+/-0.122 χ²/NDF: 7461091.6/53



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1507.449+/-890.500 χ^2/NDF:13.9/10

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1496.258+/-874.773 χ^2/NDF:11.8/9

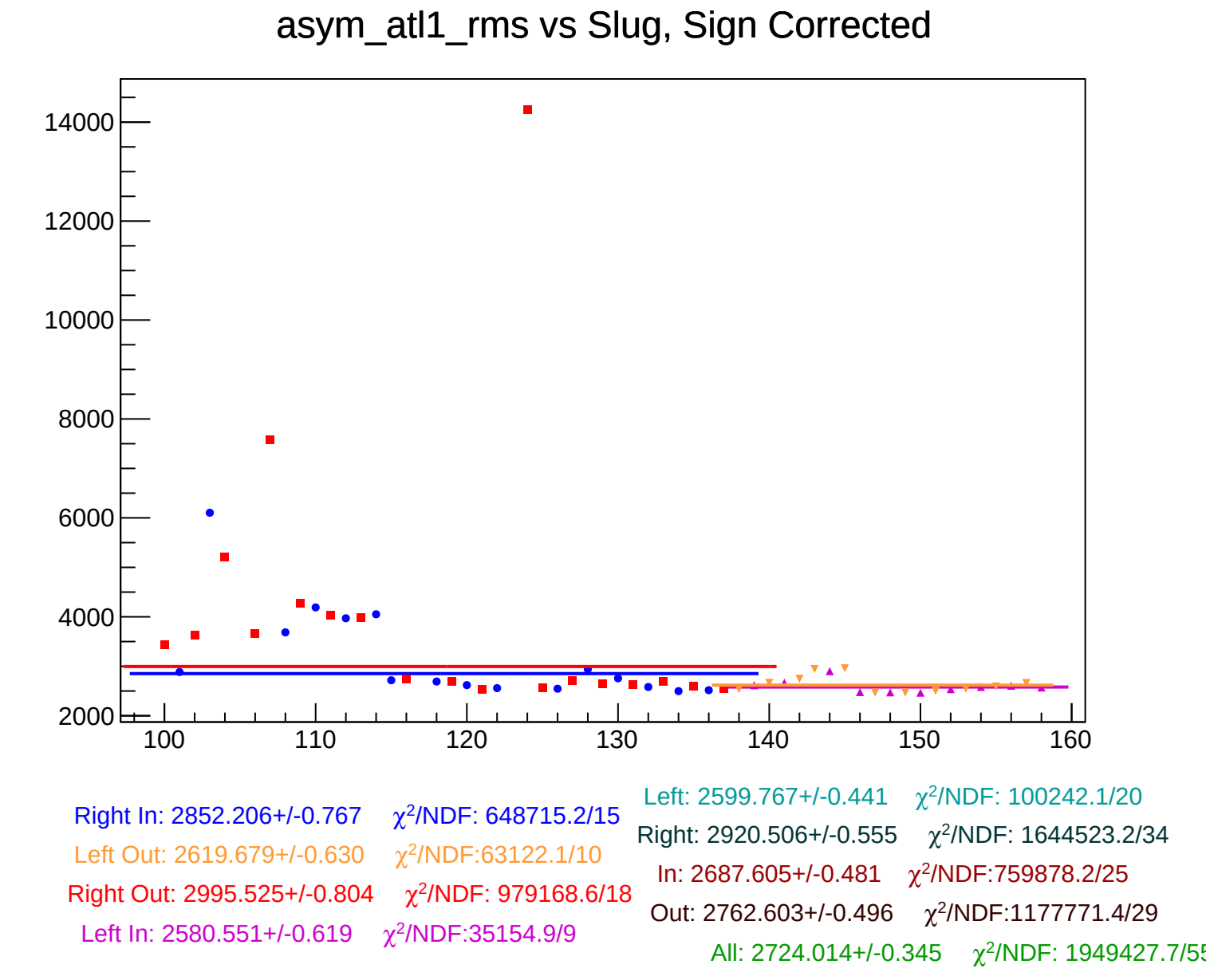
Left: 1501.754+/-624.044 χ^2/NDF: 25.8/20

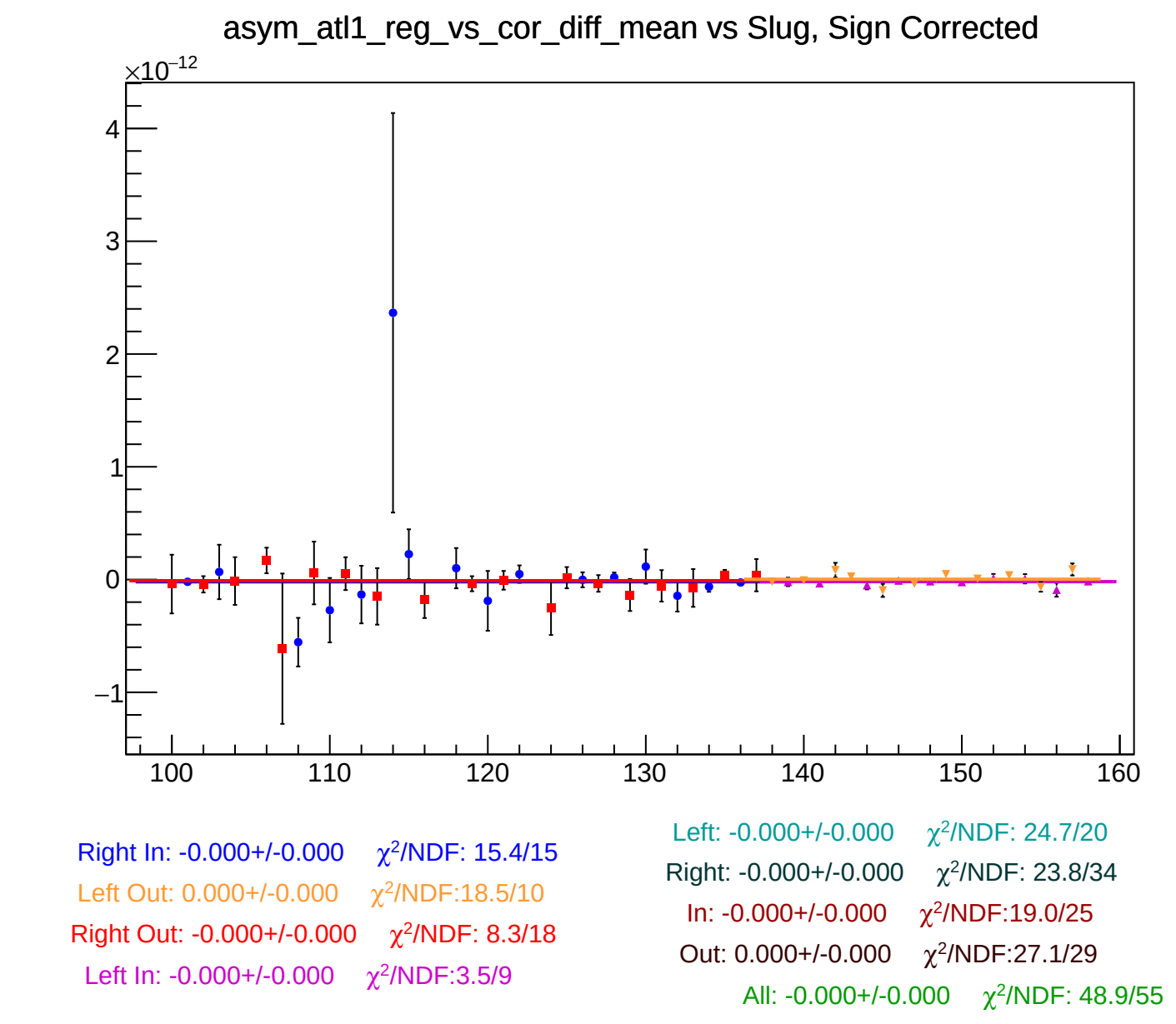
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

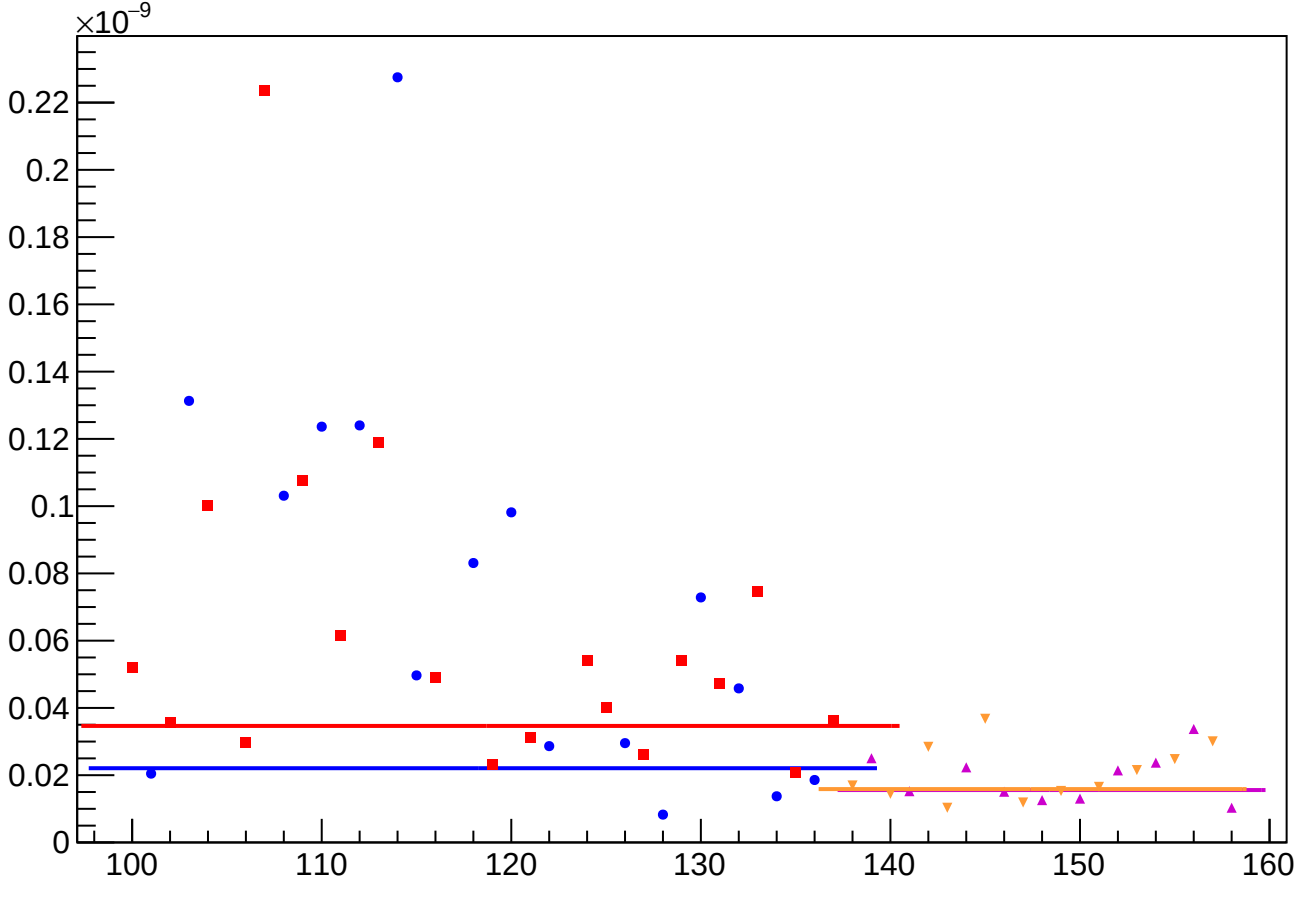
In: 1742.847+/-680.930 χ^2/NDF:25.4/25

Out: 1717.471+/-701.026 χ^2/NDF:38.4/29

All: 1730.528+/-488.440 χ^2/NDF: 63.8/55


asym_atl1_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
Right In: 2852.206+/-0.767 χ²/NDF: 648715.2/15
Left Out: 2619.679+/-0.630 χ²/NDF:63122.1/10
Right Out: 2995.525+/-0.804 χ²/NDF: 979168.6/18
Left In: 2580.551+/-0.619 χ²/NDF:35154.9/9
Left: 2599.767+/-0.441 χ²/NDF: 100242.1/20
Right: 2920.506+/-0.555 χ²/NDF: 1644523.2/34
In: 2687.605+/-0.481 χ²/NDF:759878.2/25
Out: 2762.603+/-0.496 χ²/NDF:1177771.4/29
All: 2724.014+/-0.345 χ²/NDF: 1949427.7/55


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:18.5/10
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:3.5/9
Left: -0.000+/-0.000 χ²/NDF: 24.7/20
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:19.0/25
Out: 0.000+/-0.000 χ²/NDF:27.1/29
All: -0.000+/-0.000 χ²/NDF: 48.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:851436.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:696381.8/9

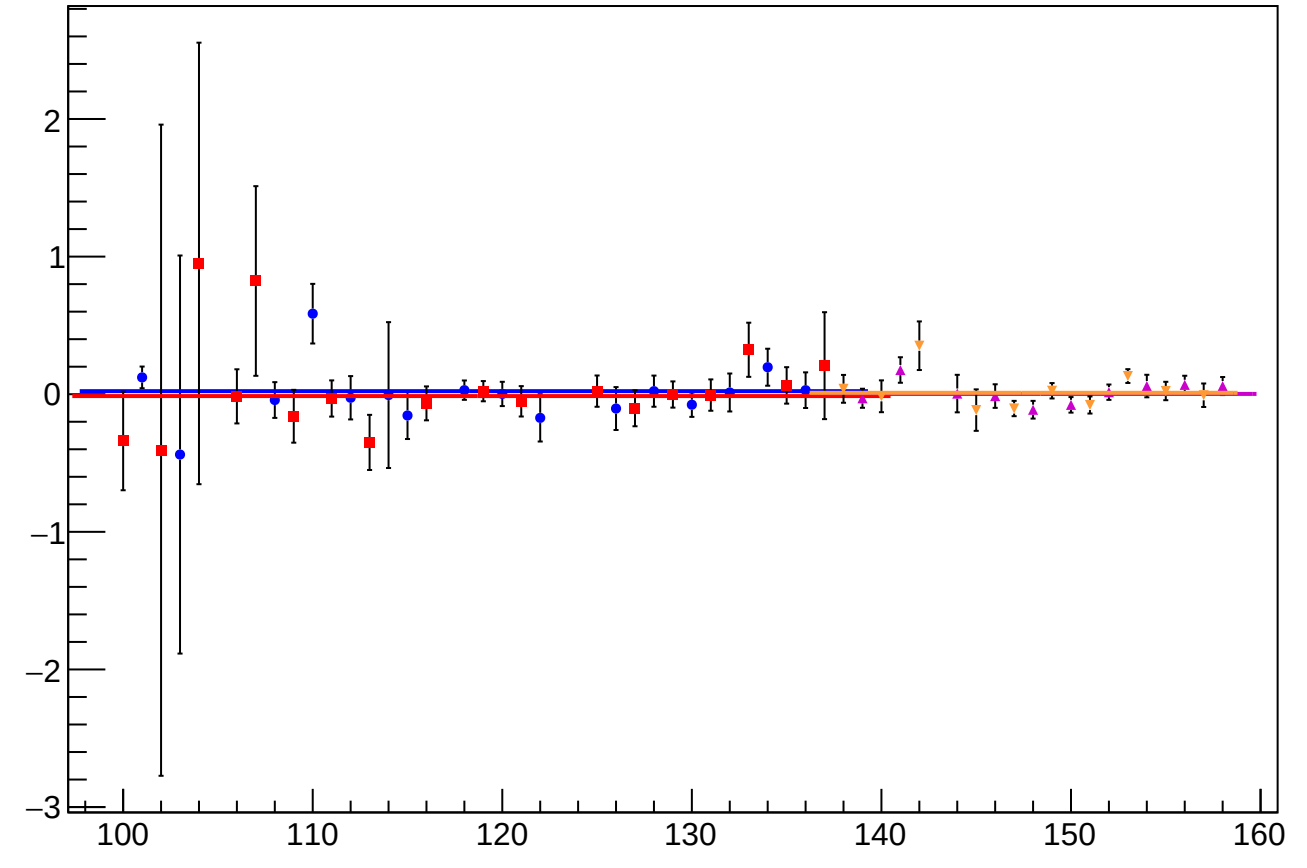
Left: 0.000+/-0.000 χ^2/NDF: 1548796.5/20

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3262908.6/25

Out: 0.000+/-0.000 χ^2/NDF:3135282.4/29

All: 0.000+/-0.000 χ^2/NDF: 6414681.3/55



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.8/9

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.022 χ^2/NDF:11.2/9

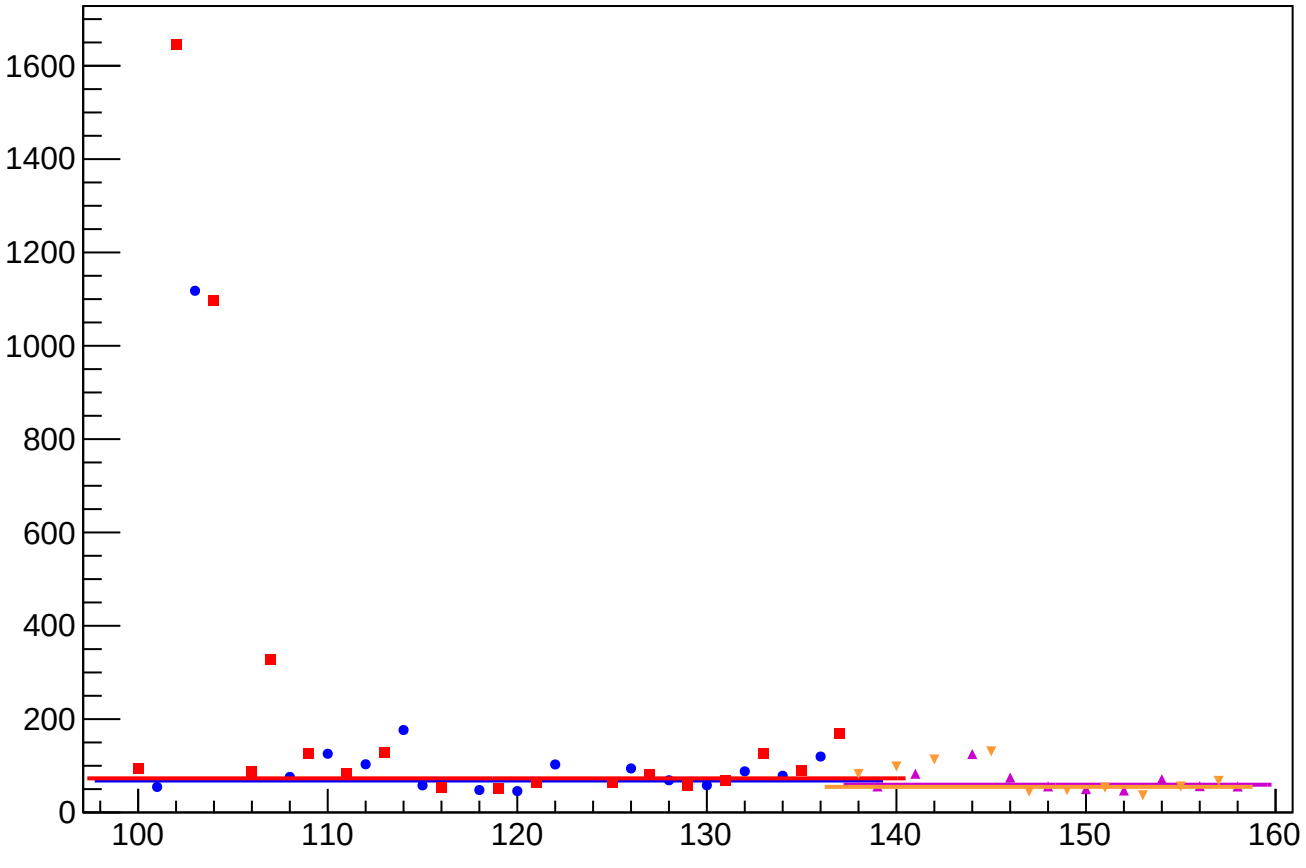
Left: 0.006+/-0.016 χ^2/NDF: 28.1/19

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.018 χ^2/NDF:26.3/25

Out: 0.003+/-0.019 χ^2/NDF:28.0/27

All: 0.006+/-0.013 χ^2/NDF: 54.4/53



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565764.3/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.473+/-0.016 χ^2/NDF:878674.4/9

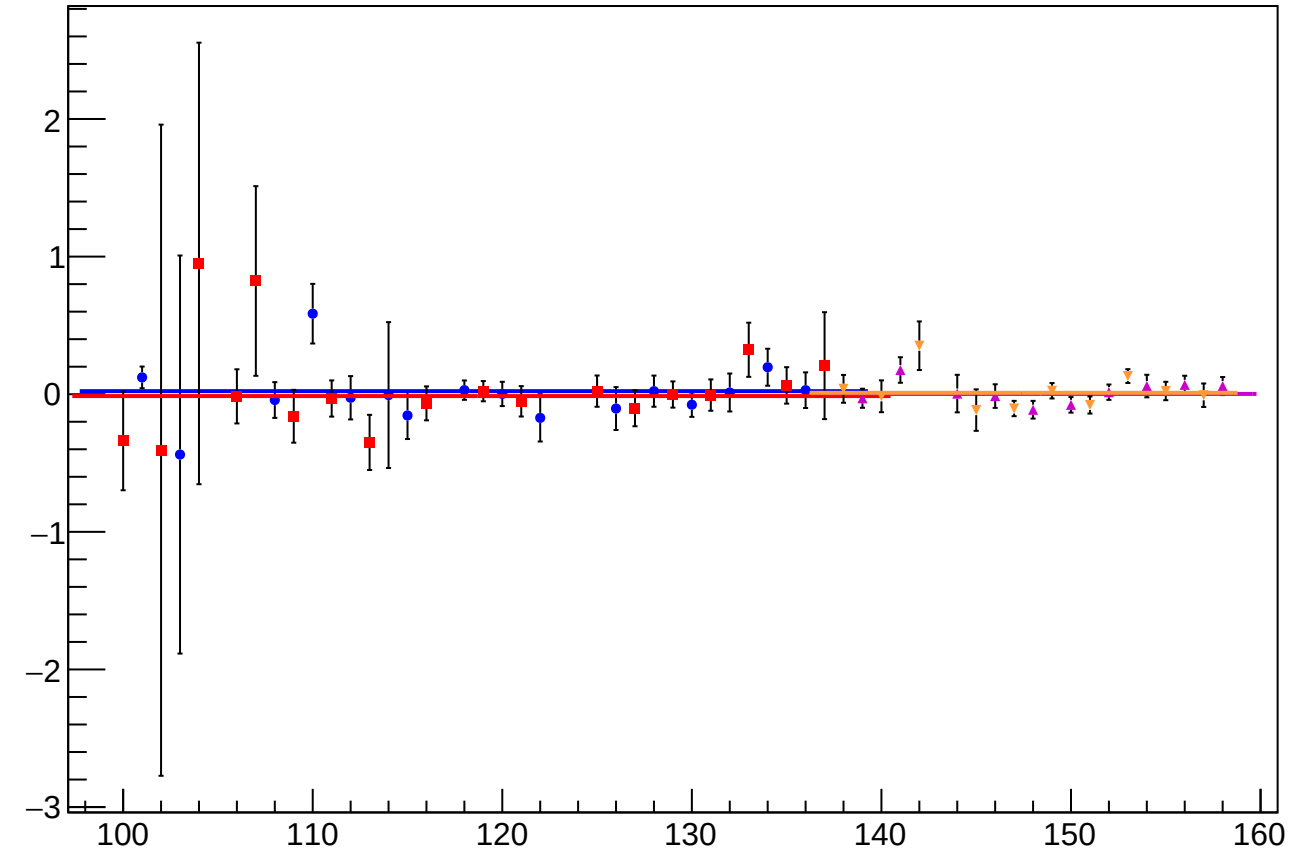
Left: 57.219+/-0.011 χ^2/NDF: 2486146.9/19

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.650+/-0.013 χ^2/NDF:3270644.1/25

Out: 60.658+/-0.013 χ^2/NDF:4882512.6/27

All: 61.705+/-0.009 χ^2/NDF: 8164833.3/53



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.8/9

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.022 χ^2/NDF:11.2/9

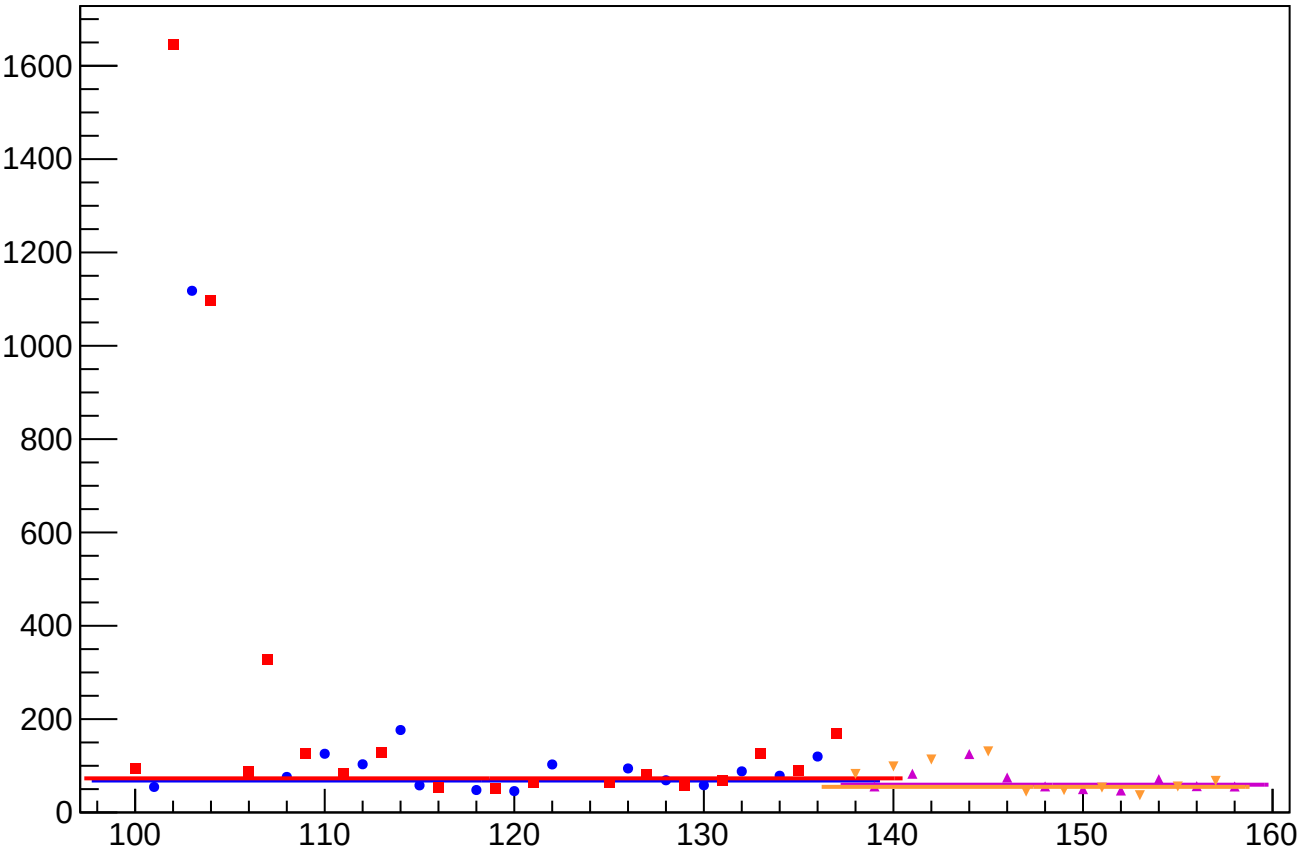
Left: 0.006+/-0.016 χ^2/NDF: 28.1/19

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.018 χ^2/NDF:26.3/25

Out: 0.003+/-0.019 χ^2/NDF:28.0/27

All: 0.006+/-0.013 χ^2/NDF: 54.4/53



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565764.3/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.473+/-0.016 χ^2/NDF:878674.4/9

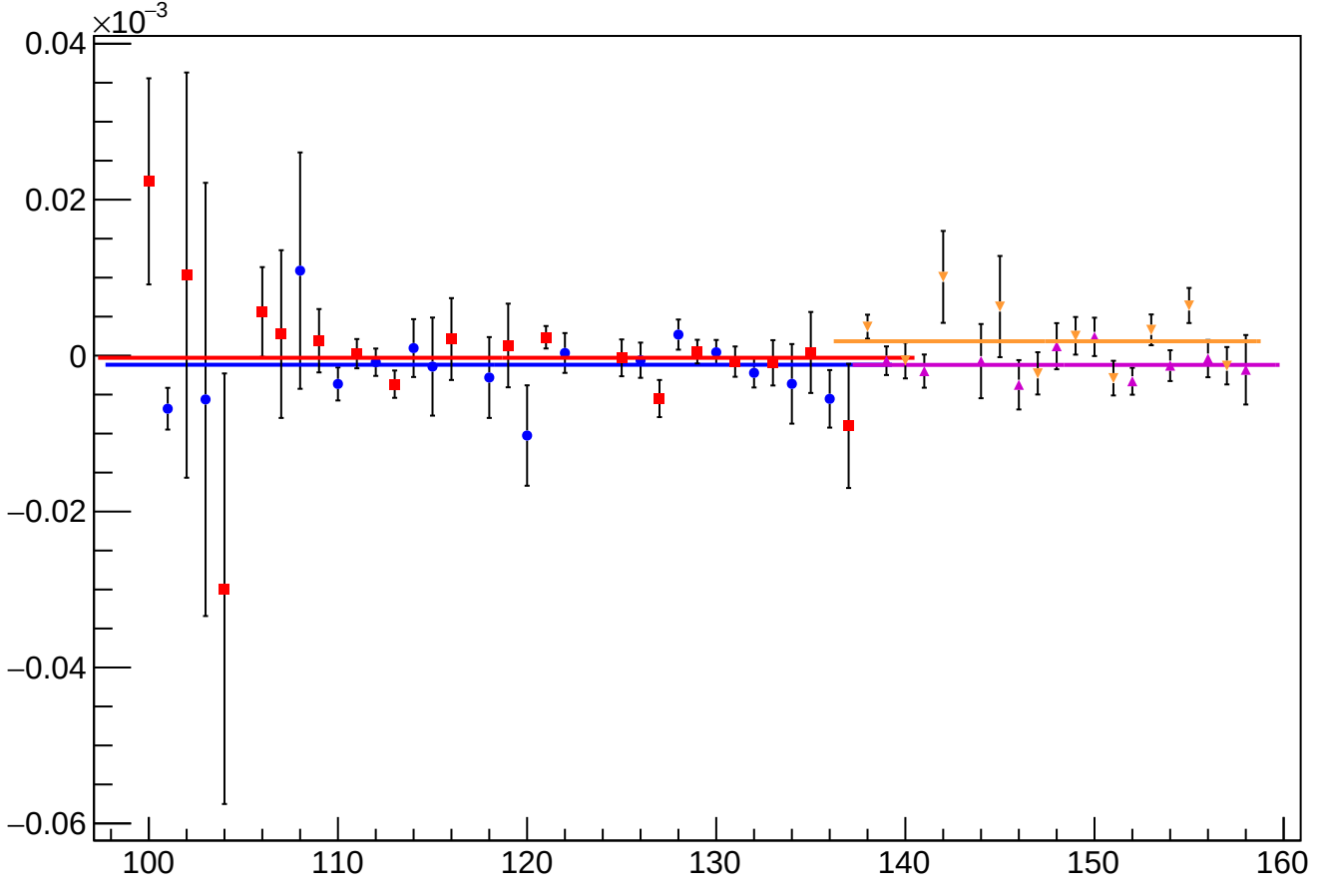
Left: 57.219+/-0.011 χ^2/NDF: 2486146.9/19

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.650+/-0.013 χ^2/NDF:3270644.1/25

Out: 60.658+/-0.013 χ^2/NDF:4882512.6/27

All: 61.705+/-0.009 χ^2/NDF: 8164833.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.3/9

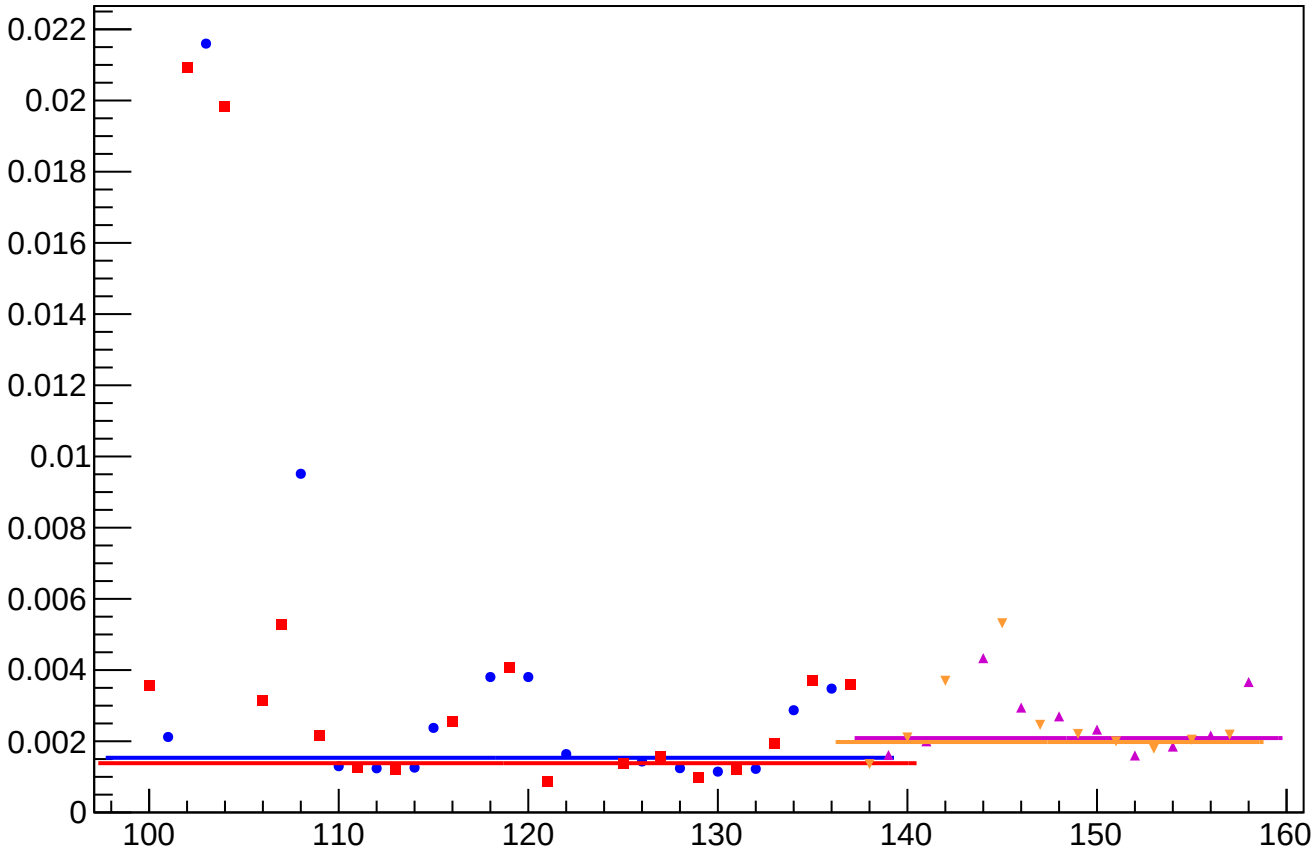
Left: 0.000+/-0.000 χ^2/NDF: 31.8/19

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:21.6/25

Out: 0.000+/-0.000 χ^2/NDF:42.6/27

All: -0.000+/-0.000 χ^2/NDF: 70.9/53



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1145471.3/9

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1274611.2/9

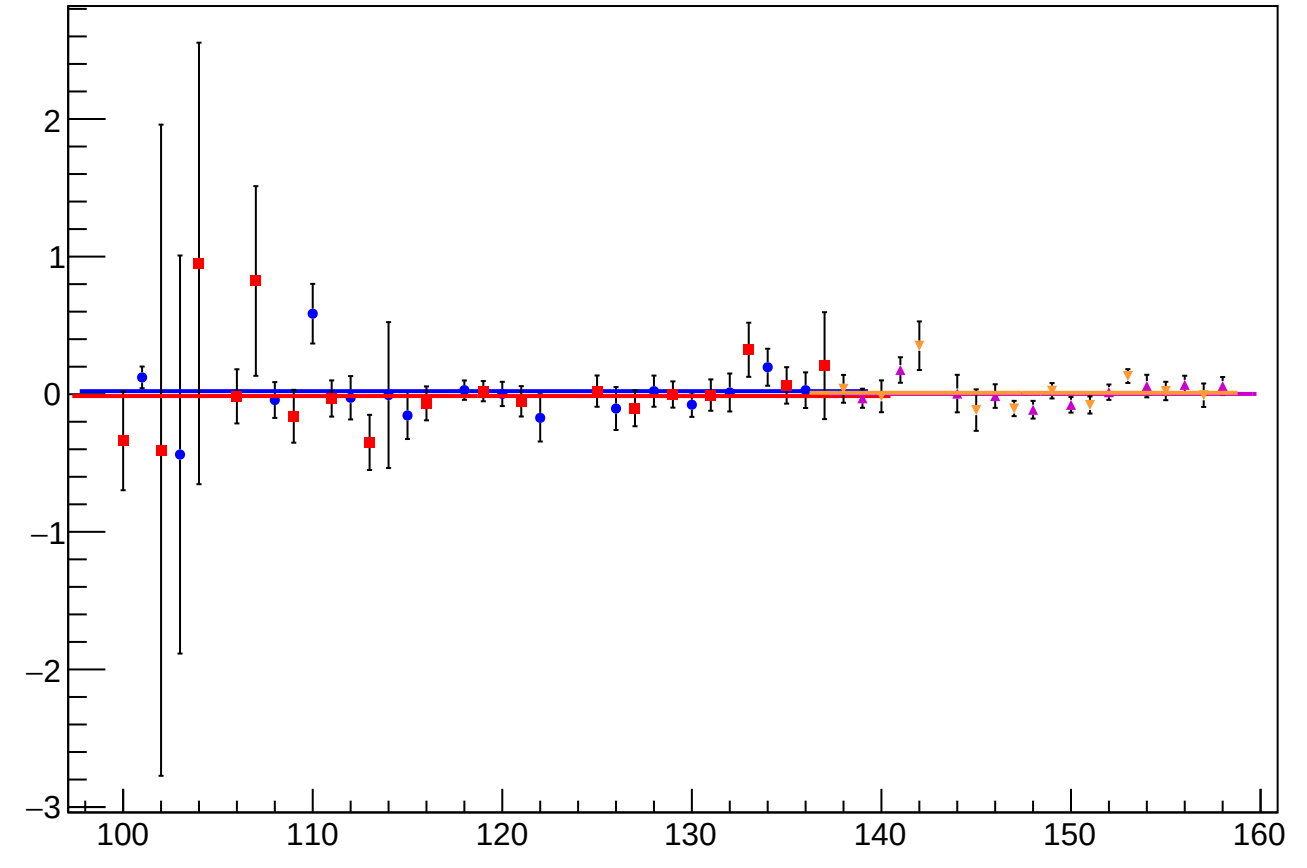
Left: 0.002+/-0.000 χ^2/NDF: 2441966.6/19

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:5255515.9/25

Out: 0.002+/-0.000 χ^2/NDF:6154559.6/27

All: 0.002+/-0.000 χ^2/NDF: 11496877.5/53



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.9/9

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.022 χ^2/NDF:11.2/9

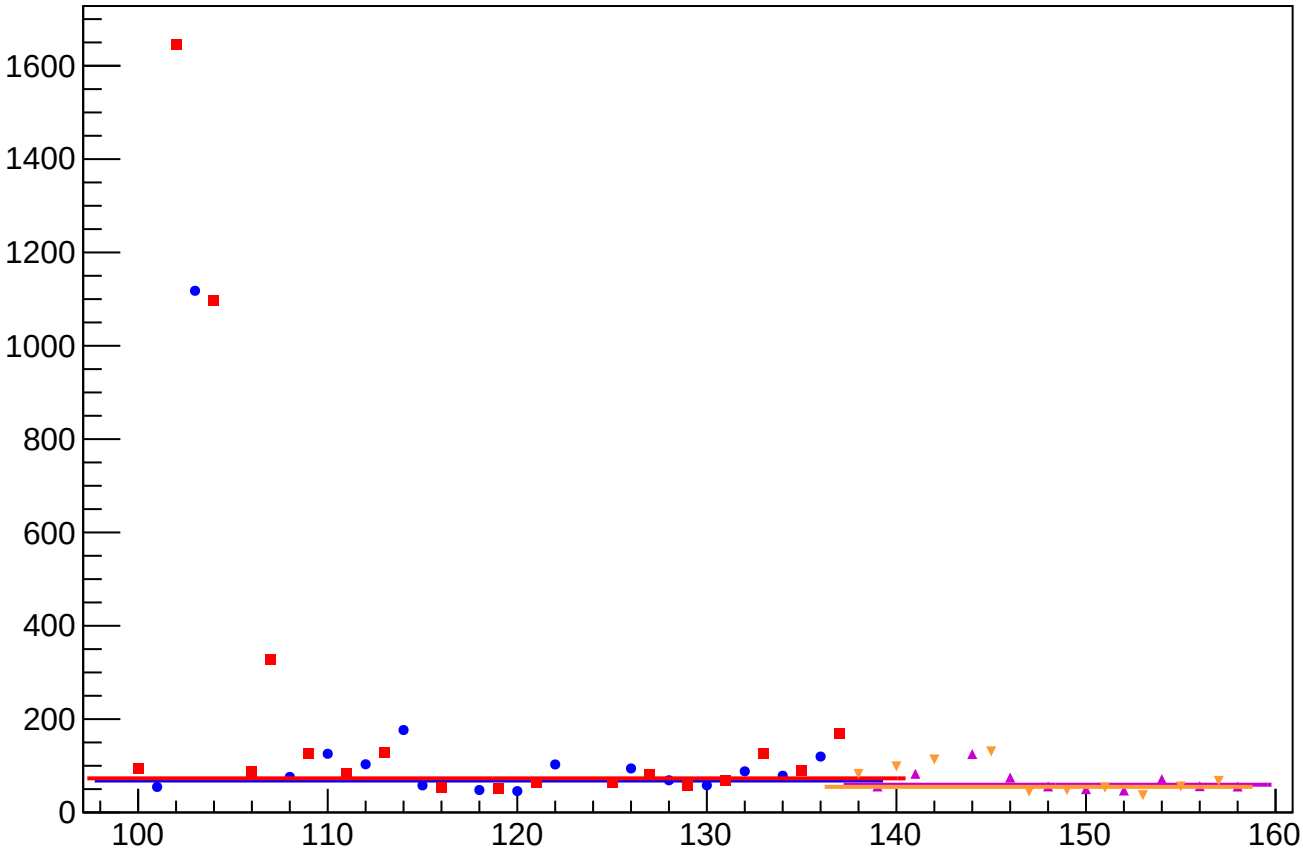
Left: 0.006+/-0.016 χ^2/NDF: 28.1/19

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.018 χ^2/NDF:26.3/25

Out: 0.003+/-0.019 χ^2/NDF:28.0/27

All: 0.006+/-0.013 χ^2/NDF: 54.4/53



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565826.5/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.474+/-0.016 χ^2/NDF:878655.8/9

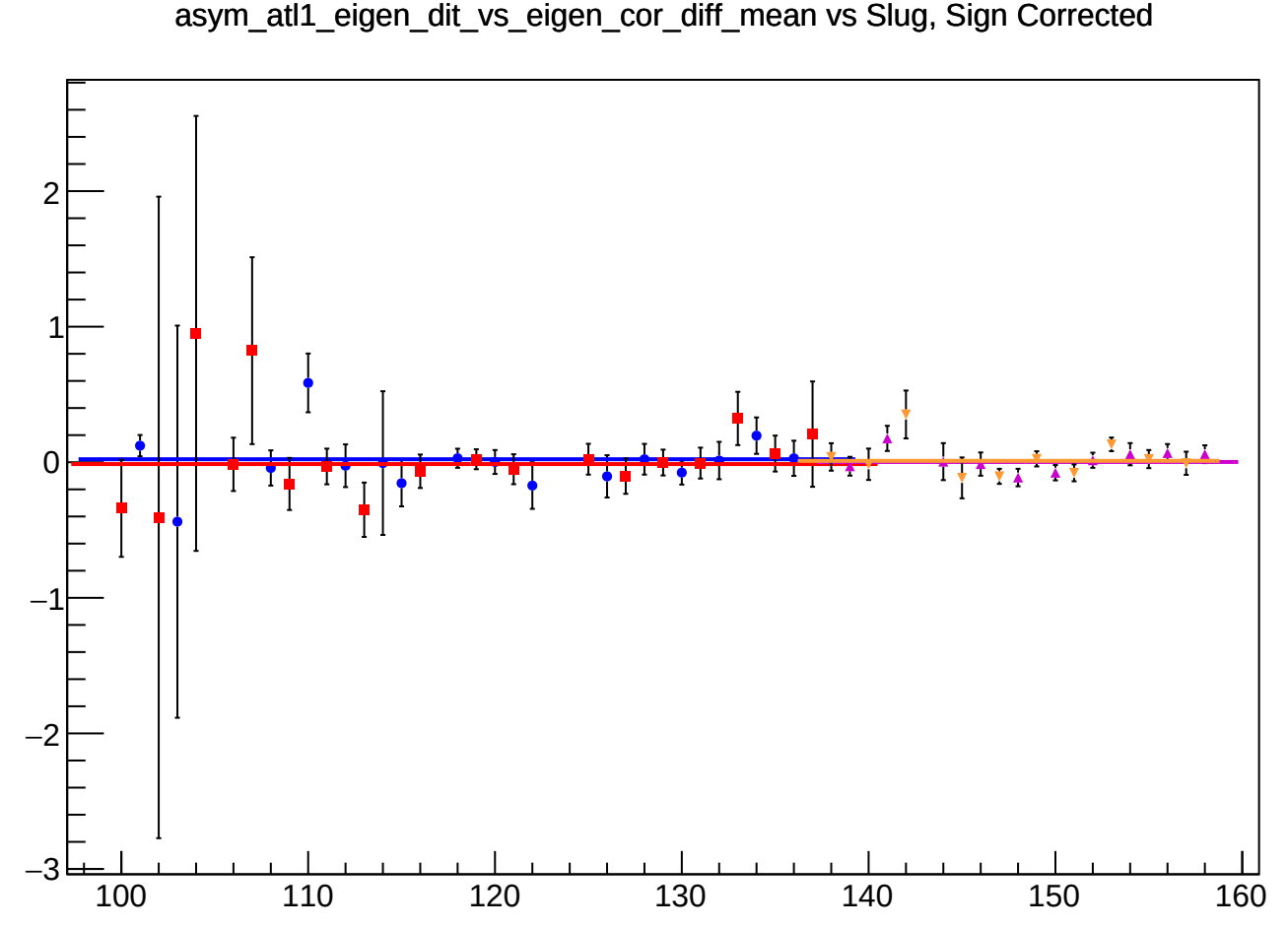
Left: 57.219+/-0.011 χ^2/NDF: 2486205.4/19

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.650+/-0.013 χ^2/NDF:3270674.7/25

Out: 60.657+/-0.013 χ^2/NDF:4882584.9/27

All: 61.704+/-0.009 χ^2/NDF: 8164941.2/53



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.9/9

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.022 χ^2/NDF:11.2/9

Left: 0.006+/-0.016 χ^2/NDF: 28.1/19

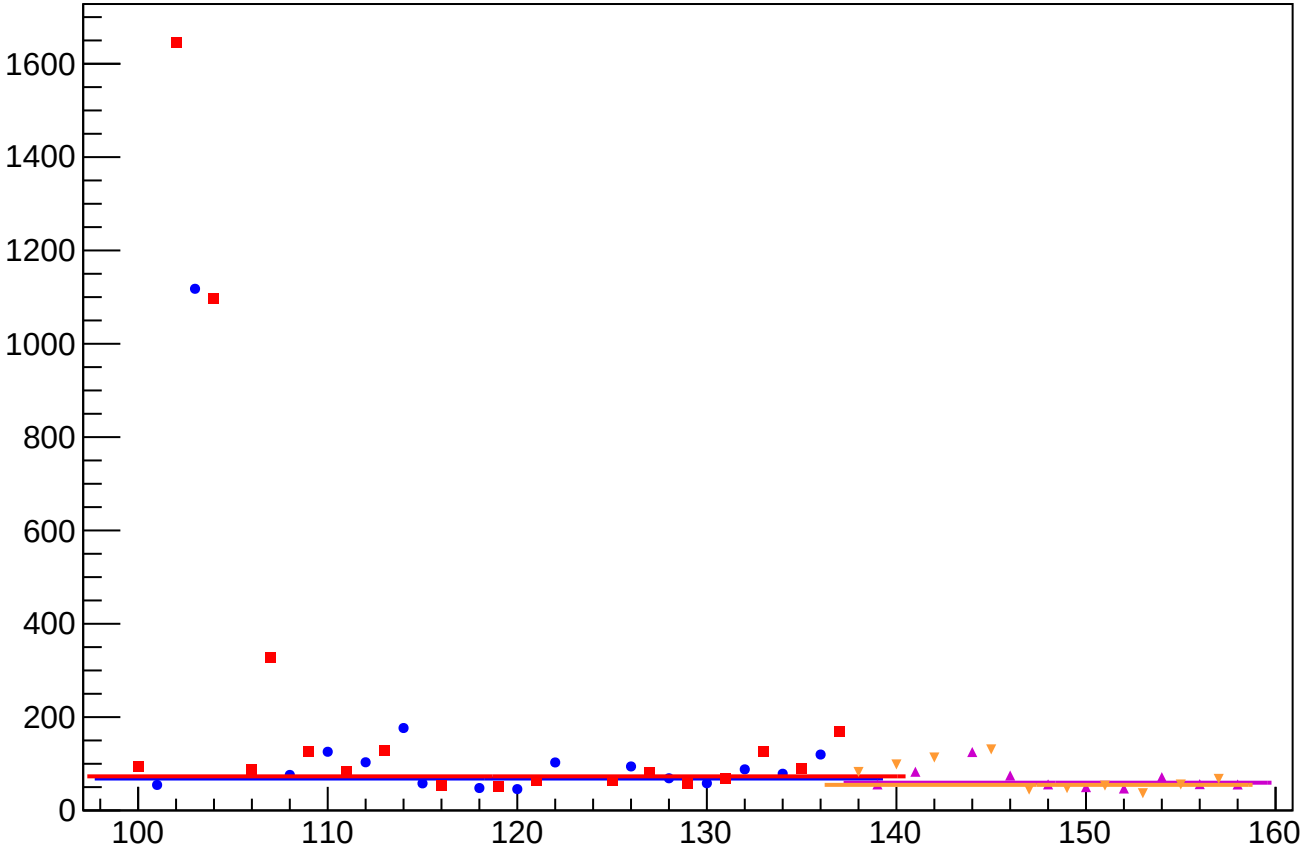
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.018 χ^2/NDF:26.3/25

Out: 0.003+/-0.019 χ^2/NDF:28.0/27

All: 0.006+/-0.013 χ^2/NDF: 54.4/53

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: 54.853+/-0.016 χ^2/NDF:1565826.5/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.474+/-0.016 χ^2/NDF:878655.8/9

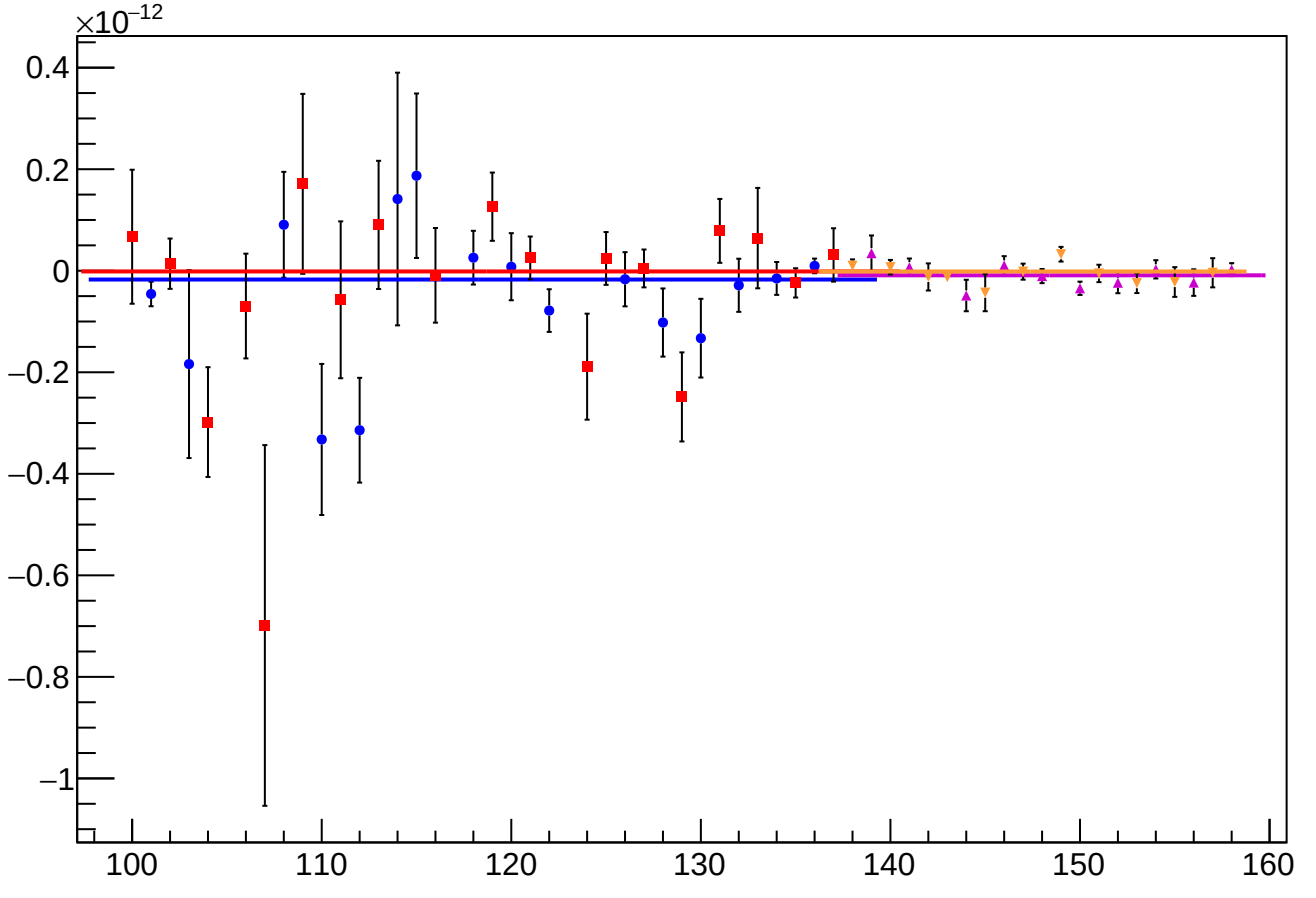
Left: 57.219+/-0.011 χ^2/NDF: 2486205.4/19

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.650+/-0.013 χ^2/NDF:3270674.7/25

Out: 60.657+/-0.013 χ^2/NDF:4882584.9/27

All: 61.704+/-0.009 χ^2/NDF: 8164941.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/9

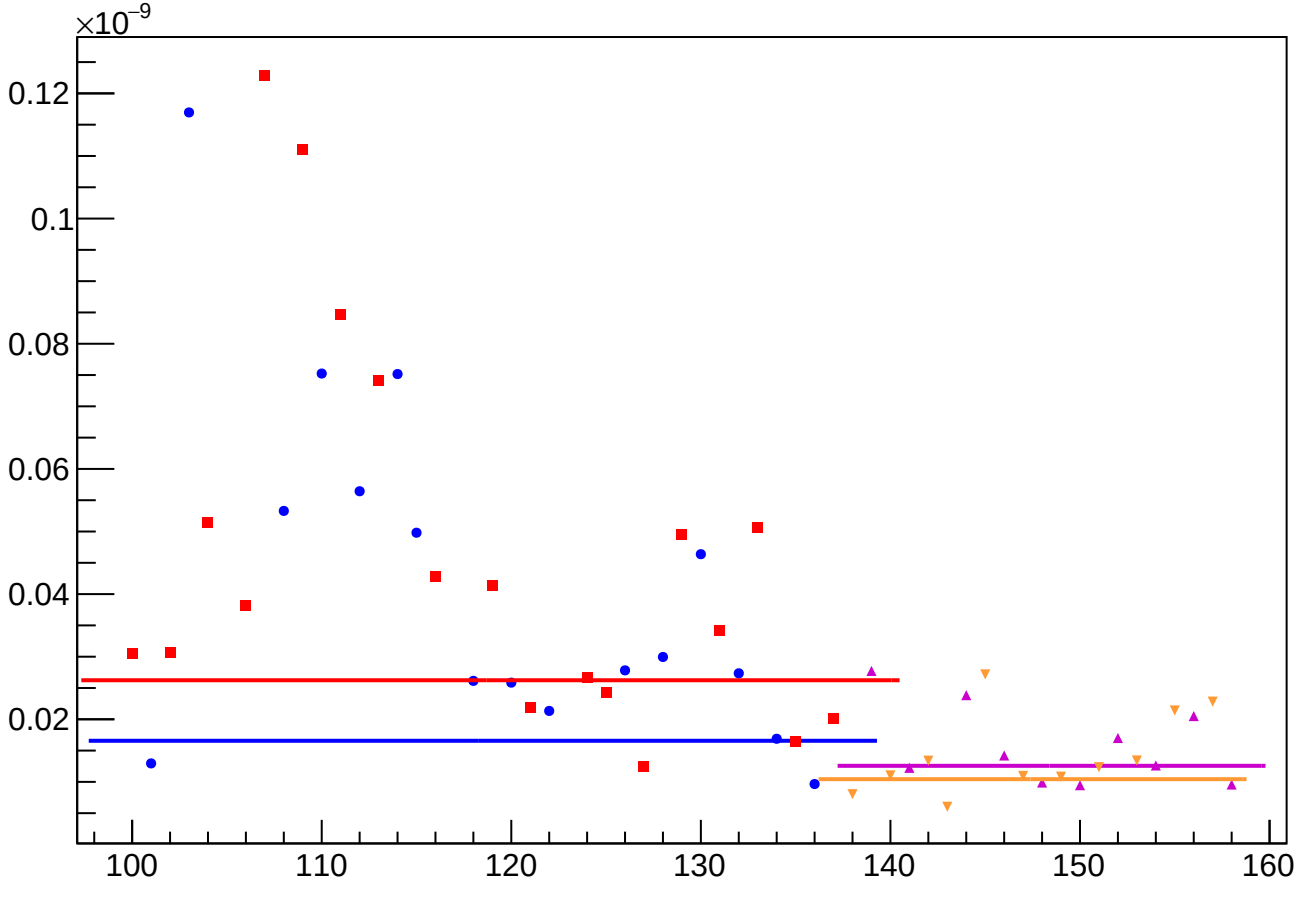
Left: -0.000+/-0.000 χ^2/NDF: 23.6/20

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:39.8/25

Out: -0.000+/-0.000 χ^2/NDF:43.8/29

All: -0.000+/-0.000 χ^2/NDF: 85.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1694627.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1233487.1/9

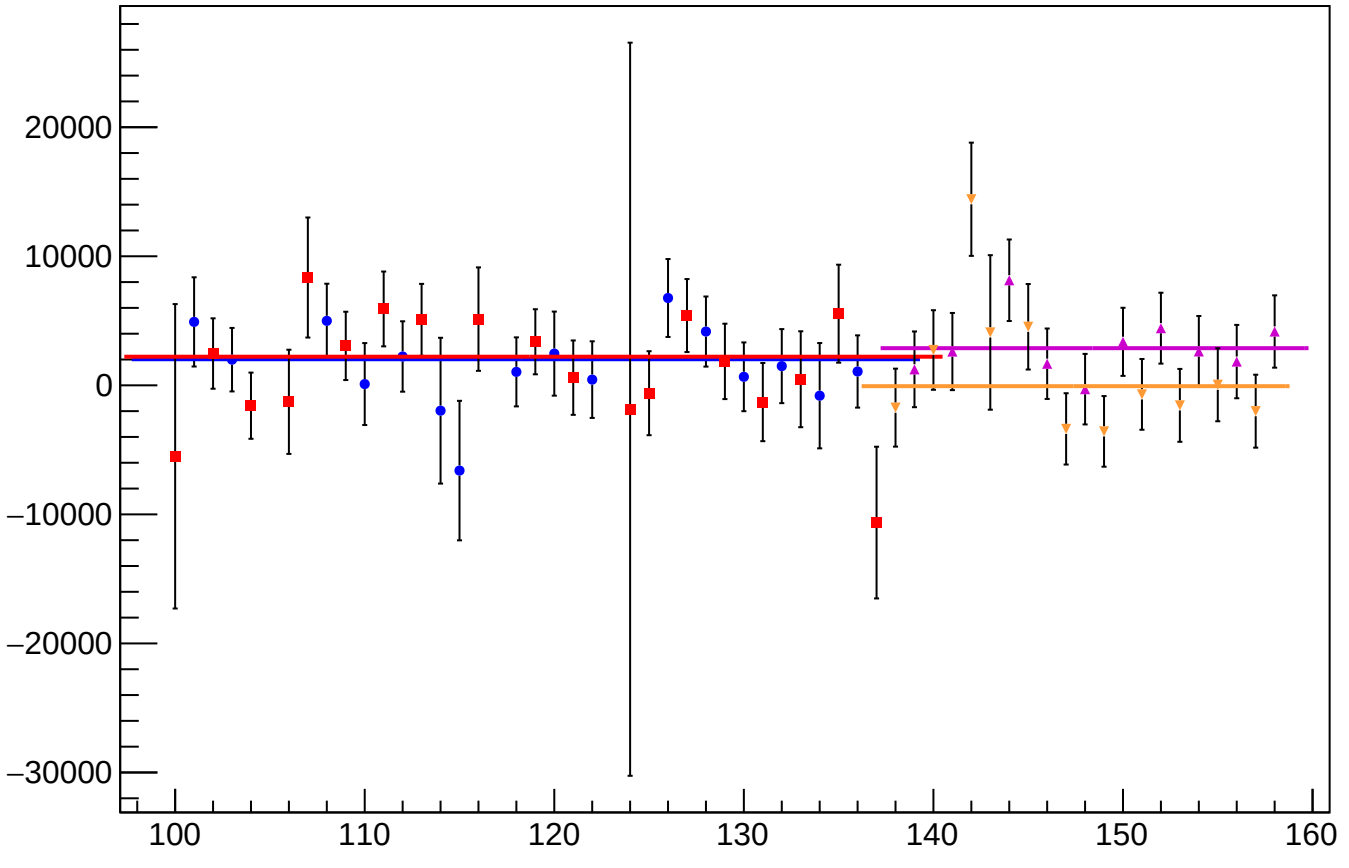
Left: 0.000+/-0.000 χ^2/NDF: 3094619.3/20

Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:4301833.3/25

Out: 0.000+/-0.000 χ^2/NDF:6241721.1/29

All: 0.000+/-0.000 χ^2/NDF: 10634440.7/55



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: -65.707+/-929.027 χ^2/NDF:18.3/10

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2878.562+/-892.162 χ^2/NDF:5.3/9

Left: 1466.002+/-643.492 χ^2/NDF: 28.9/20

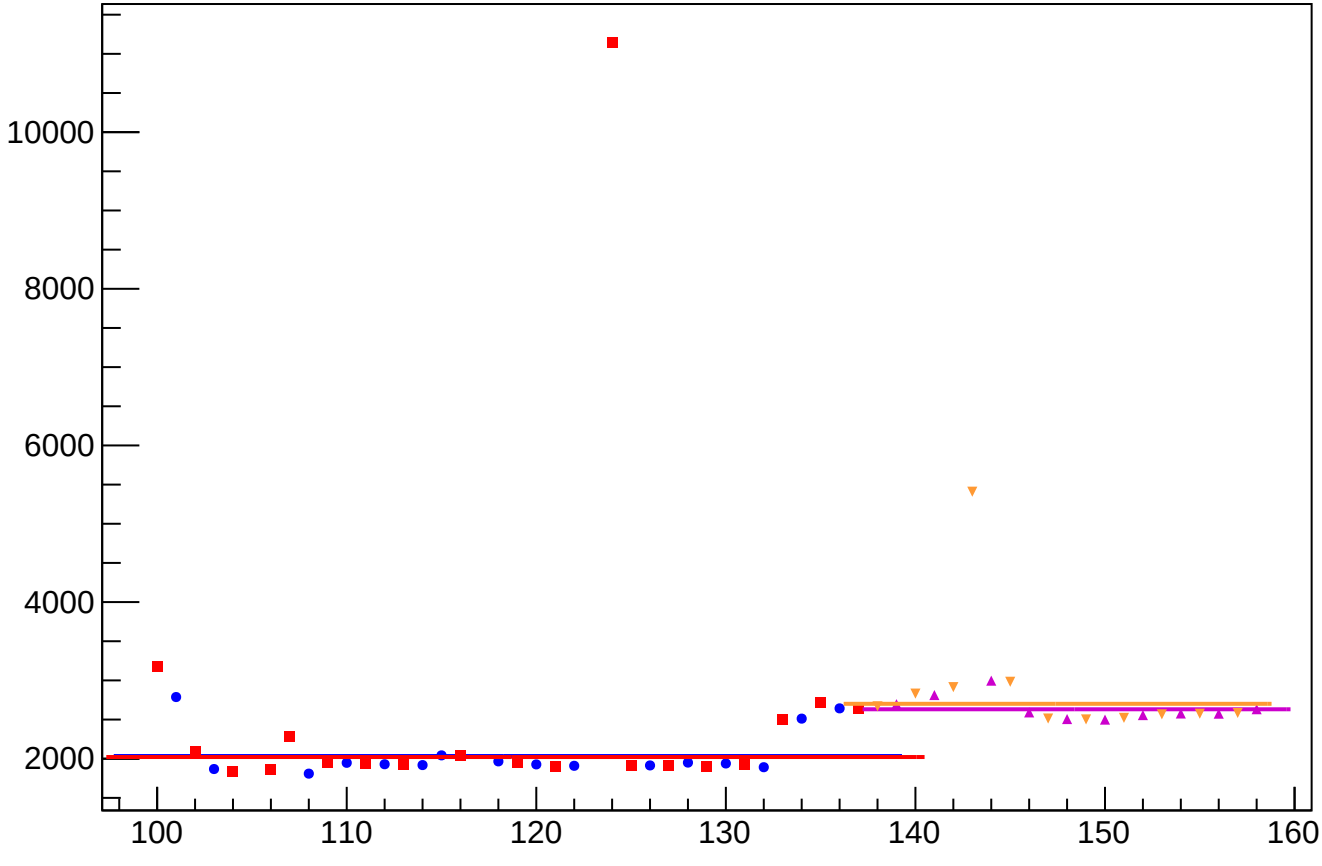
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2384.984+/-580.457 χ^2/NDF:15.5/25

Out: 1307.556+/-586.447 χ^2/NDF:40.1/29

All: 1851.801+/-412.546 χ^2/NDF: 57.3/55

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2701.095+/-0.657 χ^2/NDF:472484.1/10

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2631.149+/-0.631 χ^2/NDF:47751.5/9

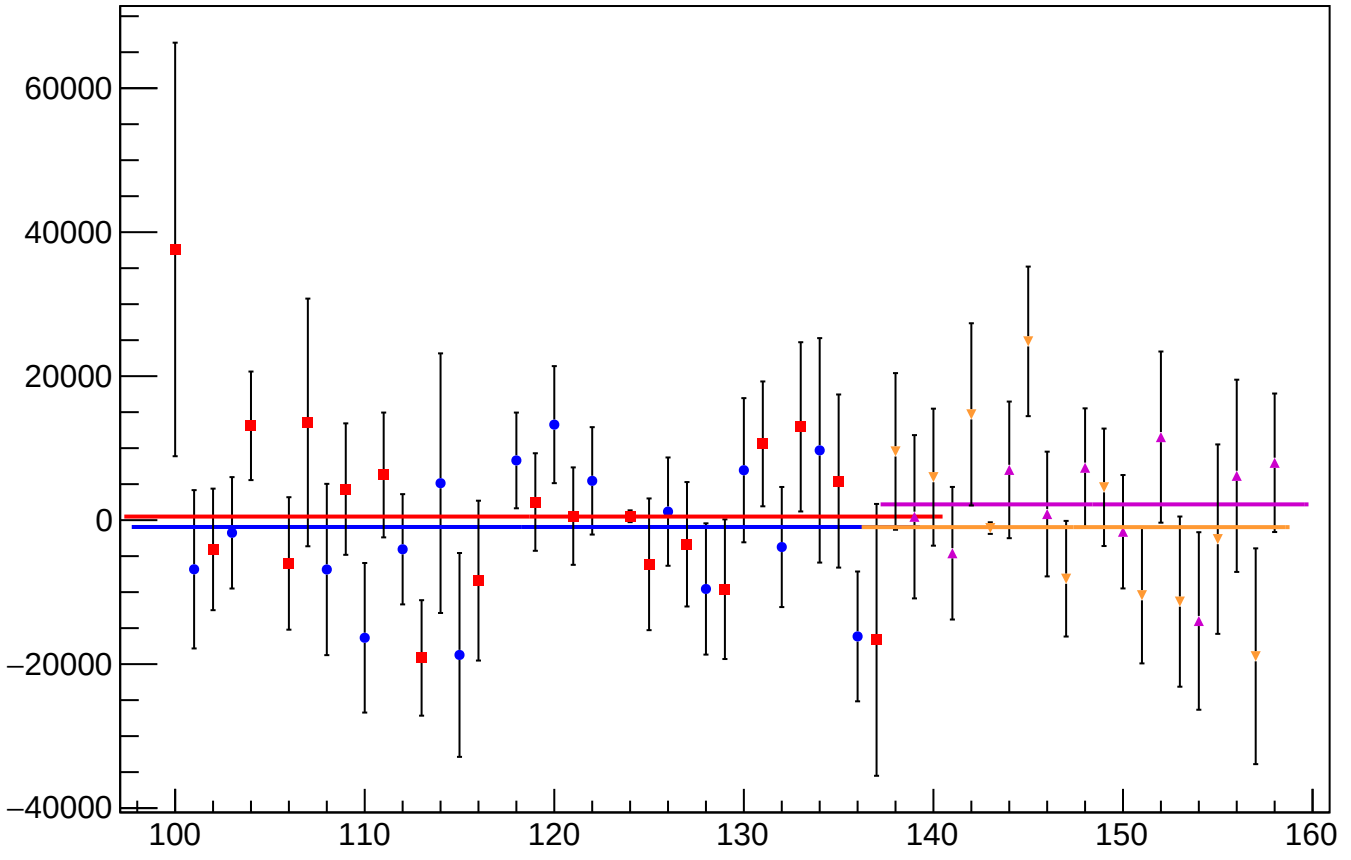
Left: 2664.707+/-0.455 χ^2/NDF: 526133.4/20

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2286.867+/-0.410 χ^2/NDF:827157.7/25

Out: 2292.328+/-0.415 χ^2/NDF:1506485.7/29

All: 2289.570+/-0.292 χ^2/NDF: 2333731.0/55



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -969.498+/-783.498 χ^2/NDF:13.7/10

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 2190.862+/-3087.550 χ^2/NDF:4.3/9

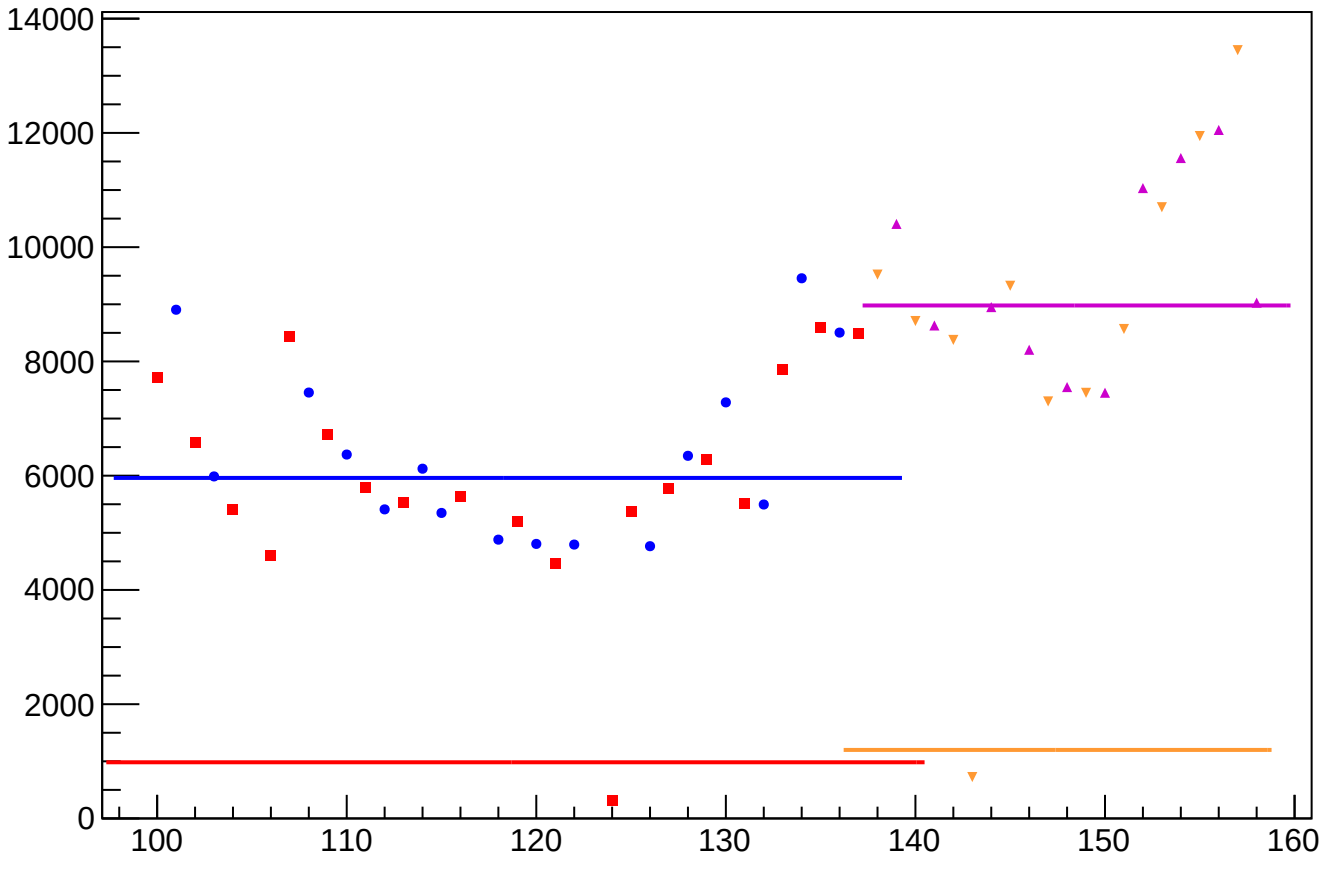
Left: -778.300+/-759.428 χ^2/NDF: 18.9/20

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: 157.086+/-1833.354 χ^2/NDF:20.3/25

Out: -221.698+/-548.560 χ^2/NDF:33.9/29

All: -190.573+/-525.539 χ^2/NDF: 54.2/55



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1199.651+/-0.554 χ^2/NDF:12474155.2/10

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8979.420+/-2.183 χ^2/NDF:439205.4/9

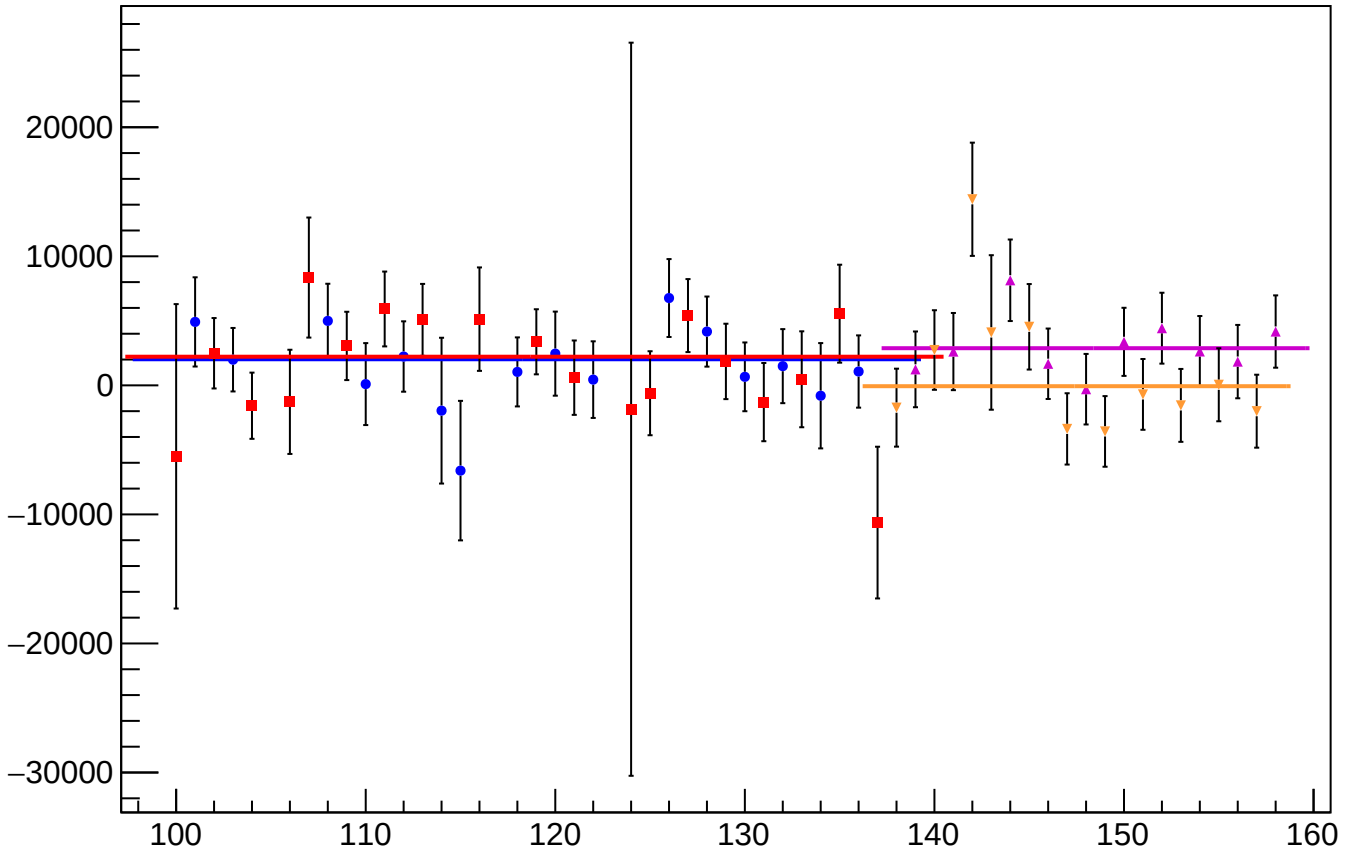
Left: 1670.316+/-0.537 χ^2/NDF: 24843151.5/20

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7025.123+/-1.296 χ^2/NDF:2366131.2/25

Out: 1089.363+/-0.388 χ^2/NDF:23968578.2/29

All: 1577.109+/-0.372 χ^2/NDF: 45576788.8/5



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -65.545+/-929.027 χ^2/NDF:18.3/10

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2878.722+/-892.162 χ^2/NDF:5.3/9

Left: 1466.162+/-643.492 χ^2/NDF: 28.9/20

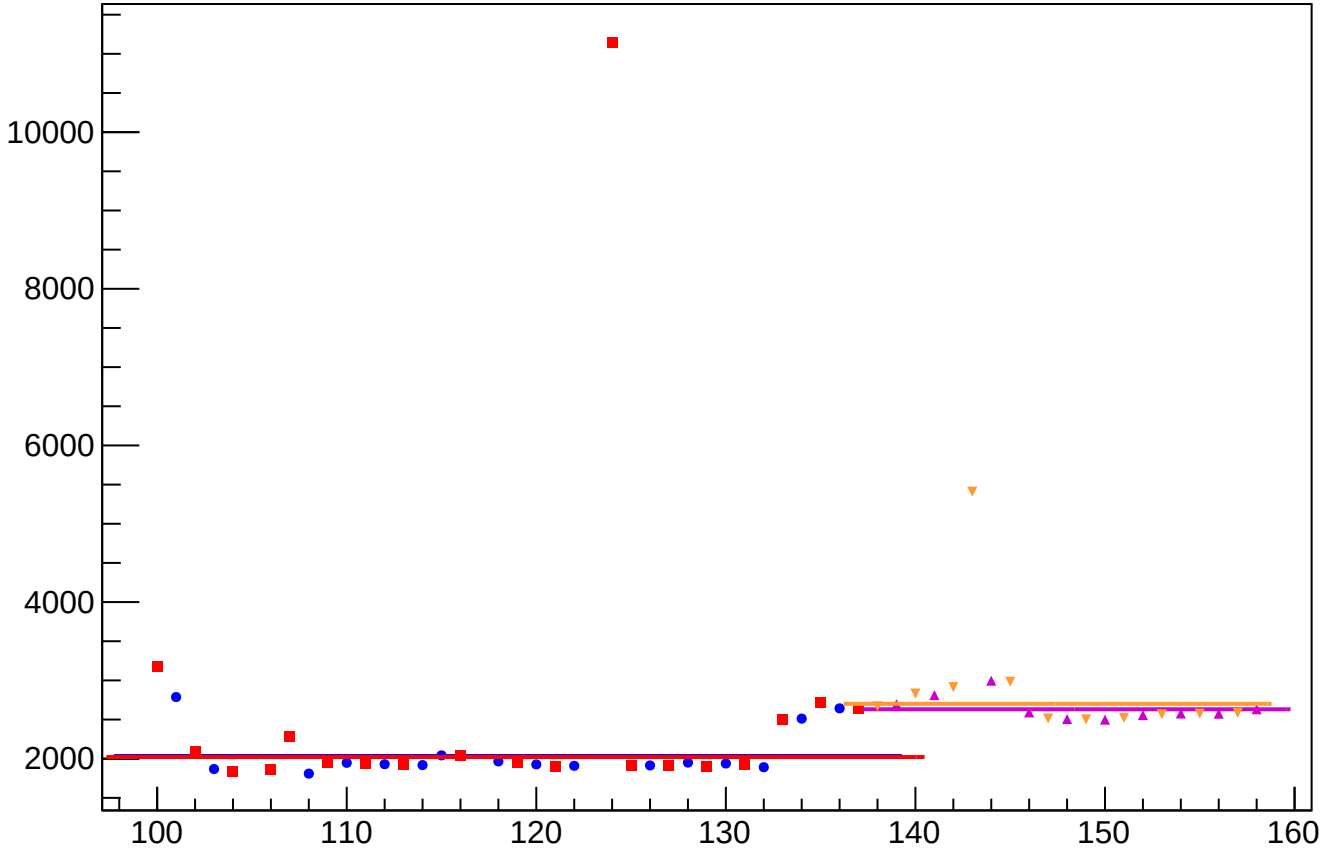
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2385.124+/-580.457 χ^2/NDF:15.5/25

Out: 1308.715+/-586.451 χ^2/NDF:40.1/29

All: 1852.448+/-412.548 χ^2/NDF: 57.3/55

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2701.095+/-0.657 χ^2/NDF:472484.1/10

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2631.150+/-0.631 χ^2/NDF:47751.5/9

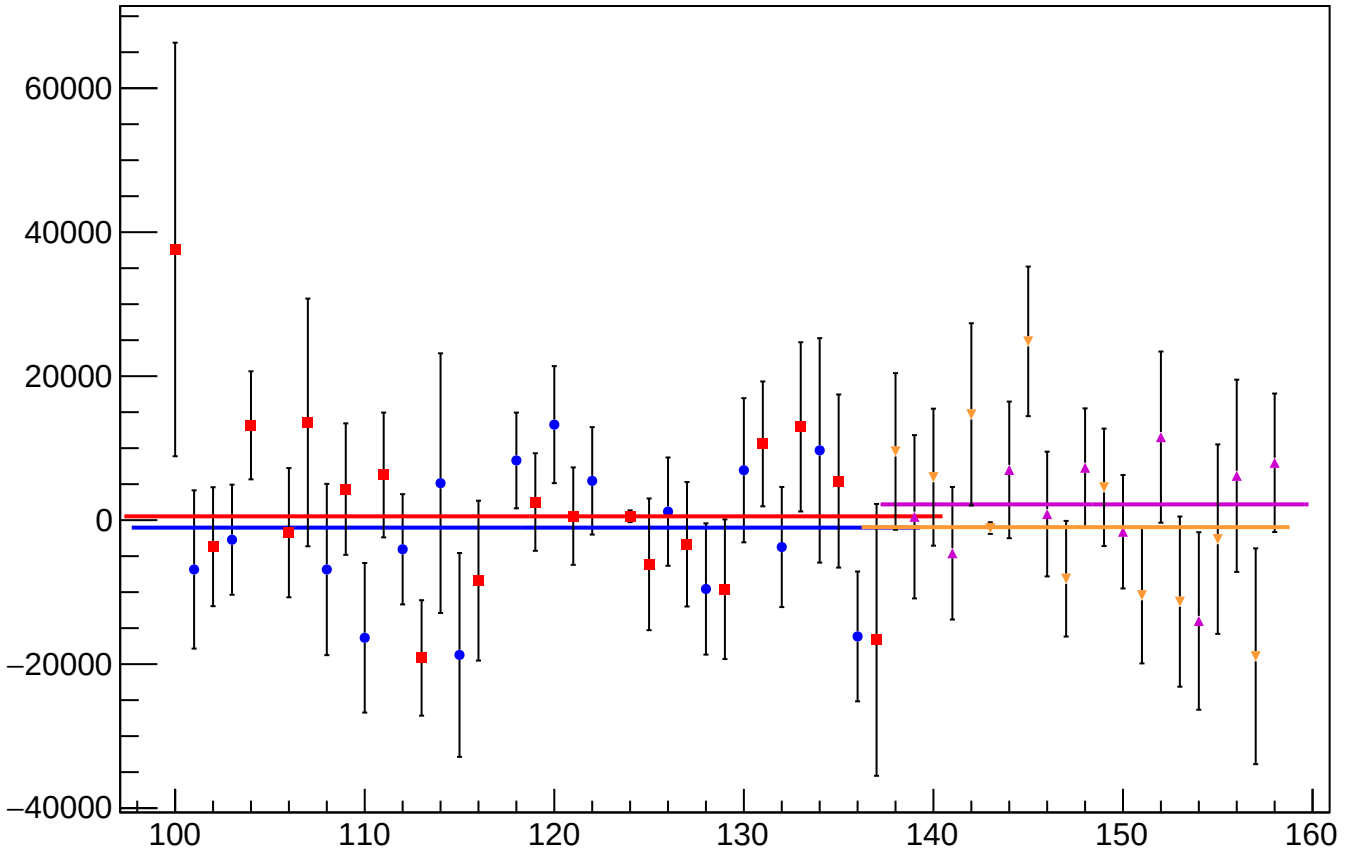
Left: 2664.707+/-0.455 χ^2/NDF: 526133.4/20

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2286.867+/-0.410 χ^2/NDF:827157.8/25

Out: 2292.345+/-0.415 χ^2/NDF:1506451.5/29

All: 2289.578+/-0.292 χ^2/NDF: 2333697.5/55



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -969.274+/-783.426 χ^2/NDF:13.7/10

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2191.048+/-3087.547 χ^2/NDF:4.3/9

Left: -778.112+/-759.363 χ^2/NDF: 18.9/20

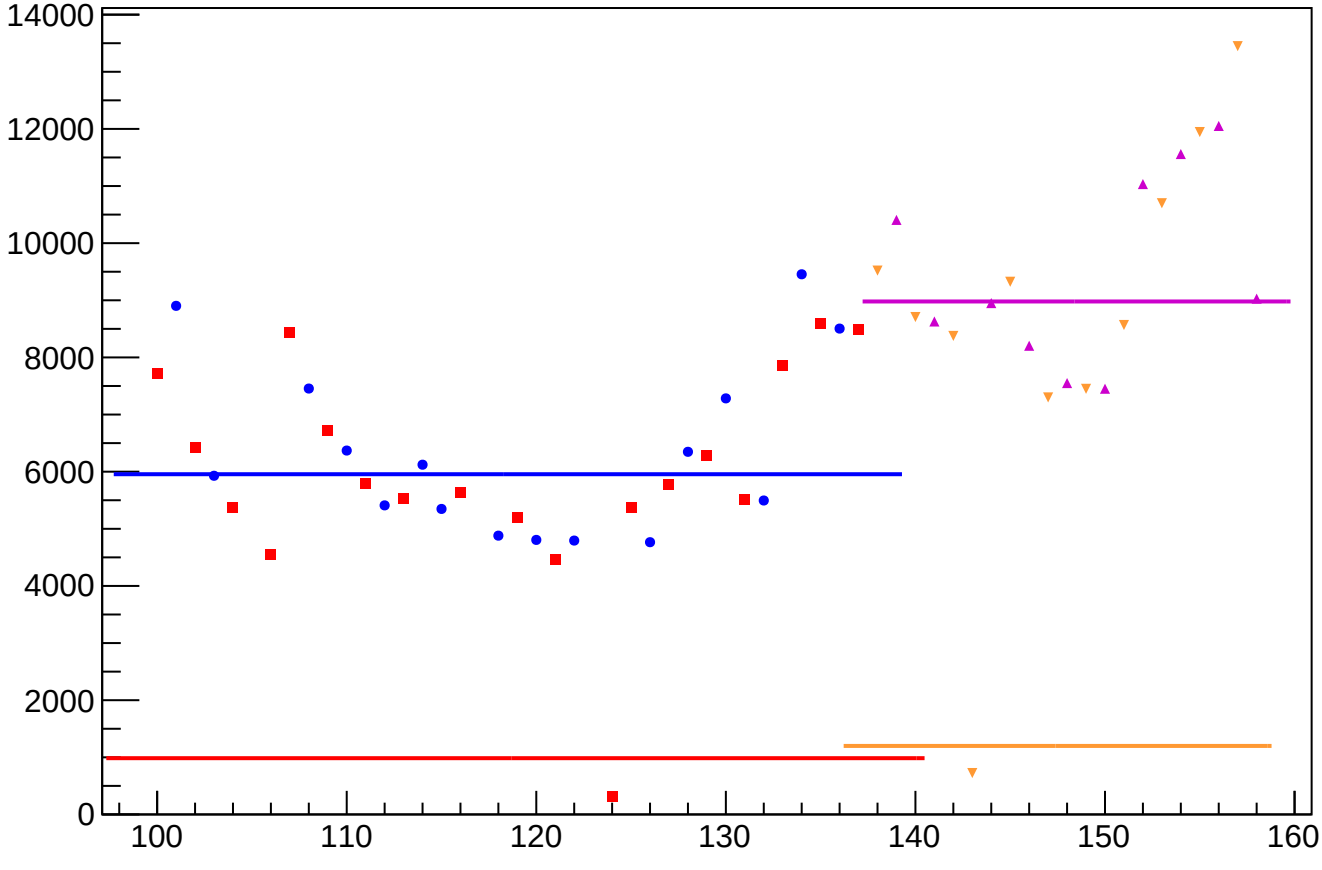
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 99.033+/-1832.128 χ^2/NDF:20.3/25

Out: -204.342+/-548.411 χ^2/NDF:33.6/29

All: -179.395+/-525.380 χ^2/NDF: 53.9/55

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1199.499+/-0.554 χ^2/NDF:12474486.6/10

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8979.409+/-2.183 χ^2/NDF:439208.5/9

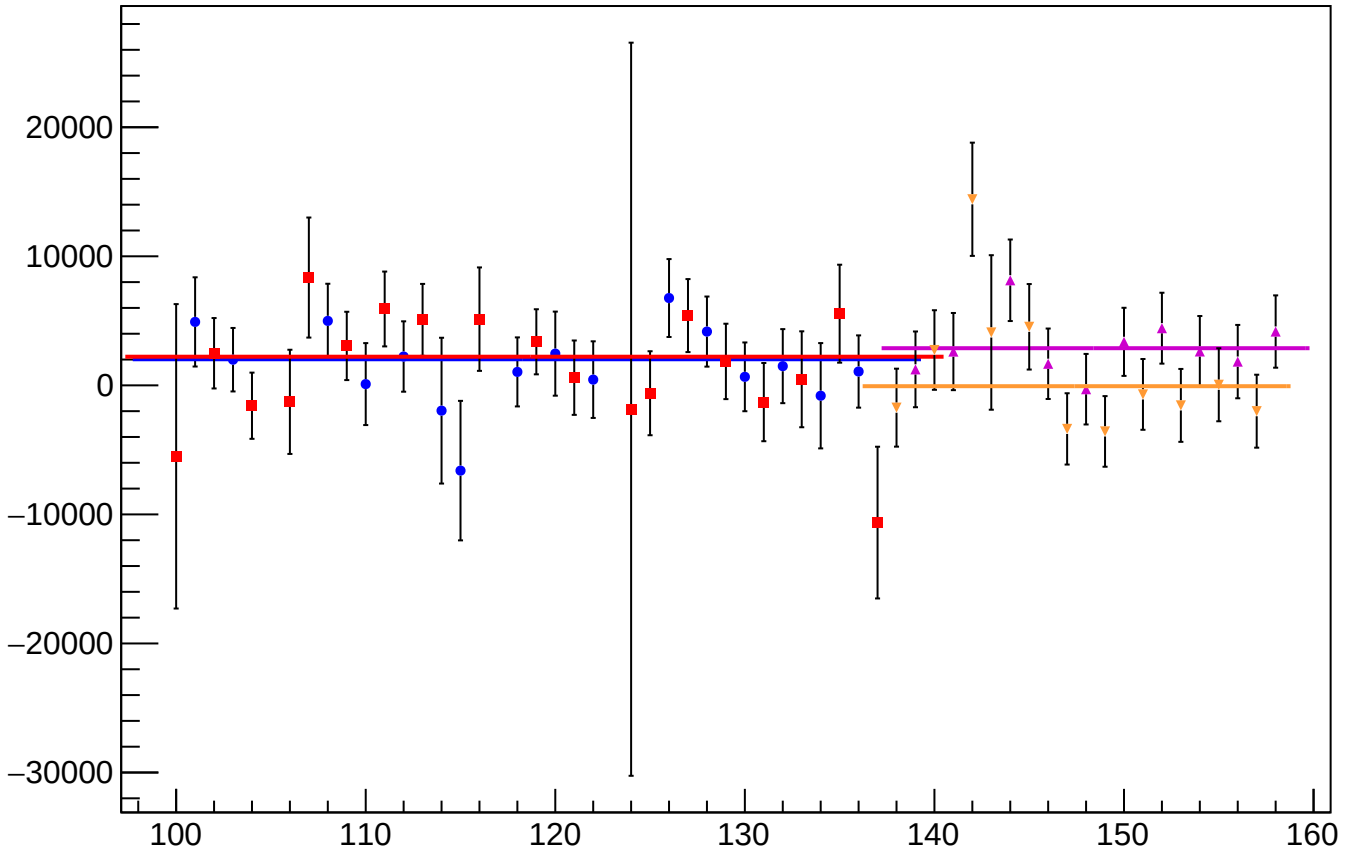
Left: 1670.093+/-0.537 χ^2/NDF: 24844073.7/20

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7020.353+/-1.296 χ^2/NDF:2371142.5/25

Out: 1090.132+/-0.388 χ^2/NDF:23963758.3/29

All: 1577.780+/-0.371 χ^2/NDF: 45565539.6/5



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -65.545+/-929.027 χ^2/NDF:18.3/10

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2878.722+/-892.162 χ^2/NDF:5.3/9

Left: 1466.162+/-643.492 χ^2/NDF: 28.9/20

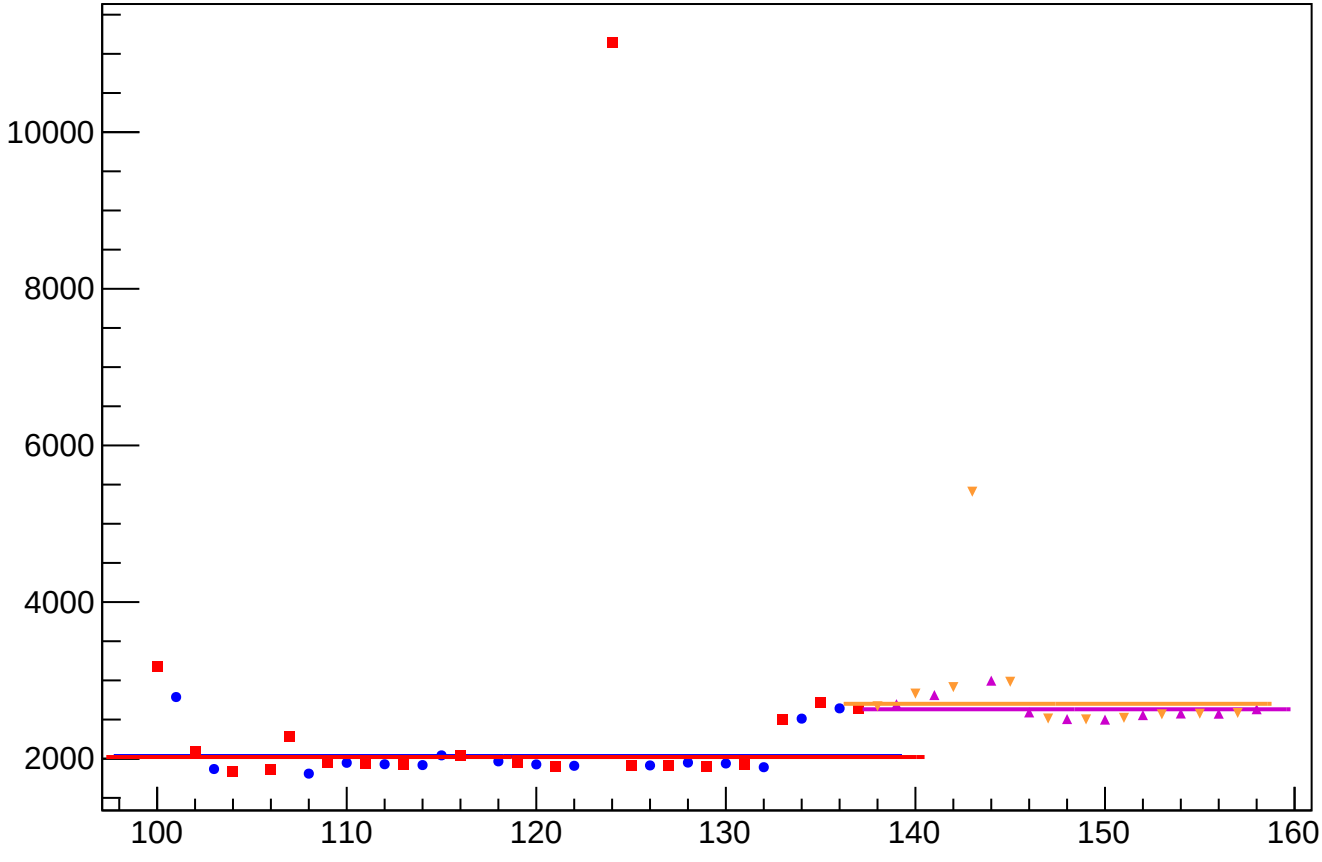
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2385.124+/-580.457 χ^2/NDF:15.5/25

Out: 1308.715+/-586.451 χ^2/NDF:40.1/29

All: 1852.448+/-412.548 χ^2/NDF: 57.3/55

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2701.095+/-0.657 χ^2/NDF:472484.1/10

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2631.150+/-0.631 χ^2/NDF:47751.5/9

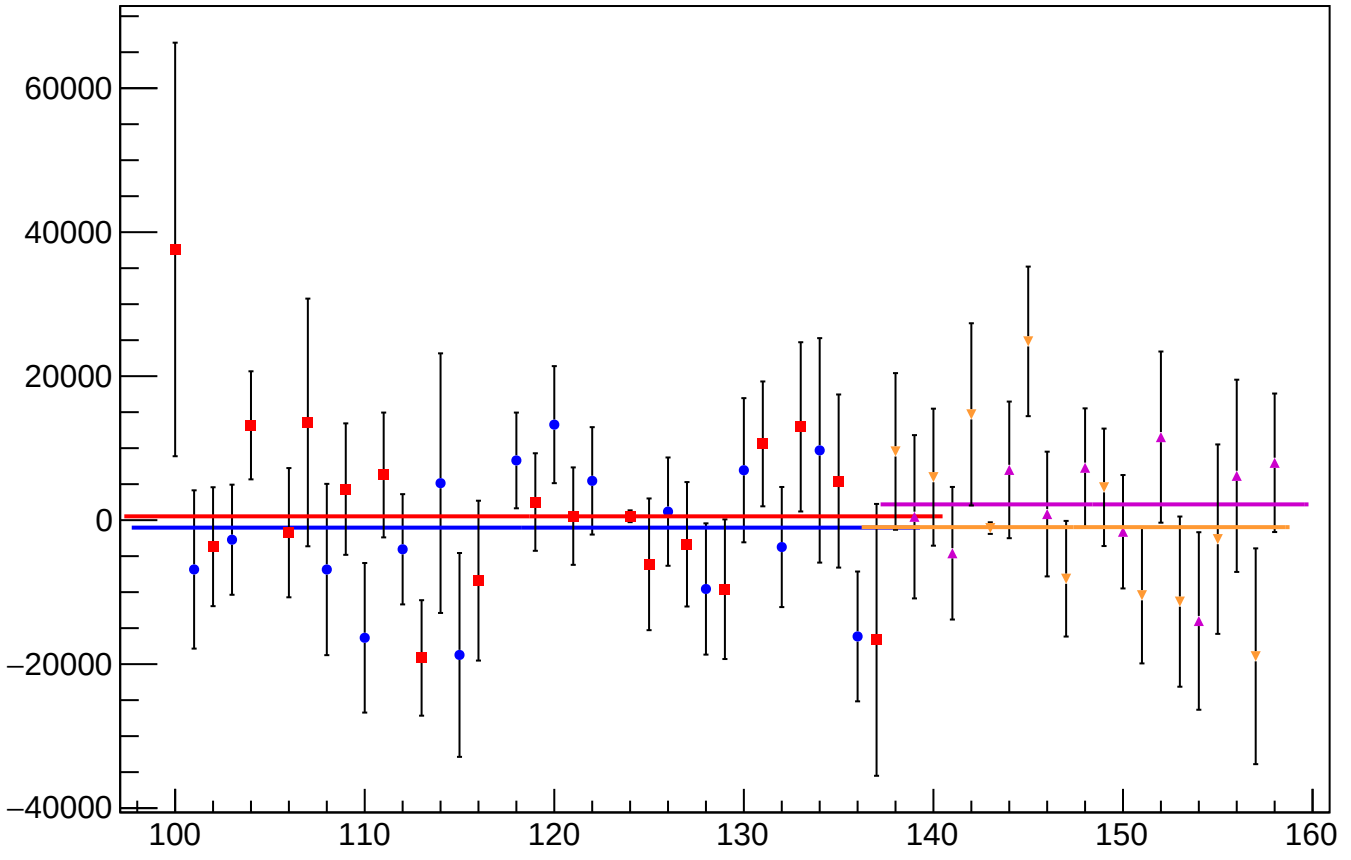
Left: 2664.707+/-0.455 χ^2/NDF: 526133.4/20

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2286.867+/-0.410 χ^2/NDF:827157.8/25

Out: 2292.345+/-0.415 χ^2/NDF:1506451.5/29

All: 2289.578+/-0.292 χ^2/NDF: 2333697.5/55



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -969.274+/-783.426 χ^2/NDF:13.7/10

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2191.048+/-3087.547 χ^2/NDF:4.3/9

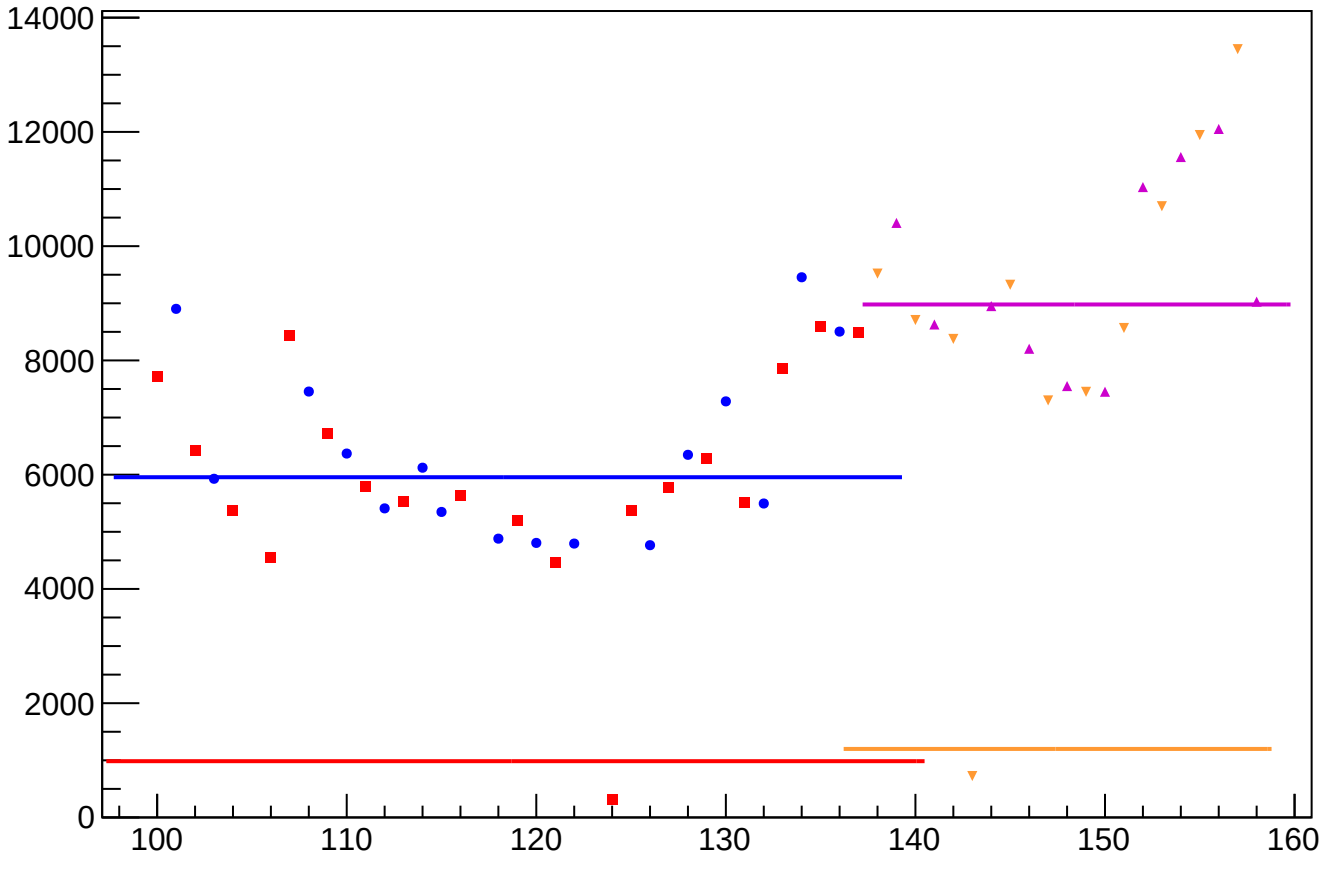
Left: -778.112+/-759.363 χ^2/NDF: 18.9/20

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 99.033+/-1832.128 χ^2/NDF:20.3/25

Out: -204.342+/-548.411 χ^2/NDF:33.6/29

All: -179.395+/-525.380 χ^2/NDF: 53.9/55



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1199.499+/-0.554 χ^2/NDF:12474486.6/10

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8979.409+/-2.183 χ^2/NDF:439208.5/9

Left: 1670.093+/-0.537 χ^2/NDF: 24844073.7/20

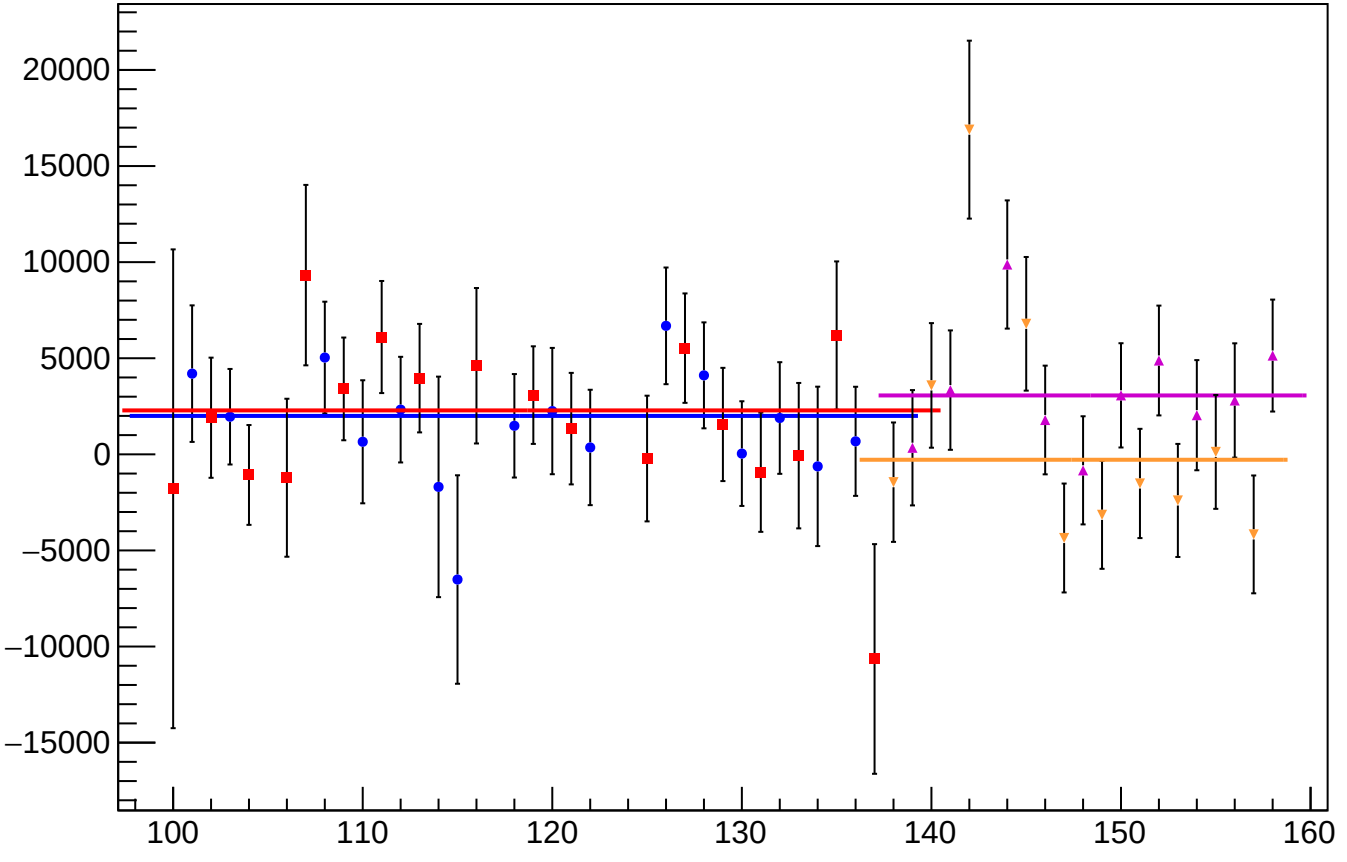
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7020.353+/-1.296 χ^2/NDF:2371142.5/25

Out: 1090.132+/-0.388 χ^2/NDF:23963758.3/29

All: 1577.780+/-0.371 χ^2/NDF: 45565539.6/5

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -282.186+/-981.022 χ^2/NDF:24.9/9

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3064.187+/-925.611 χ^2/NDF:8.2/9

Left: 1488.172+/-673.243 χ^2/NDF: 39.2/19

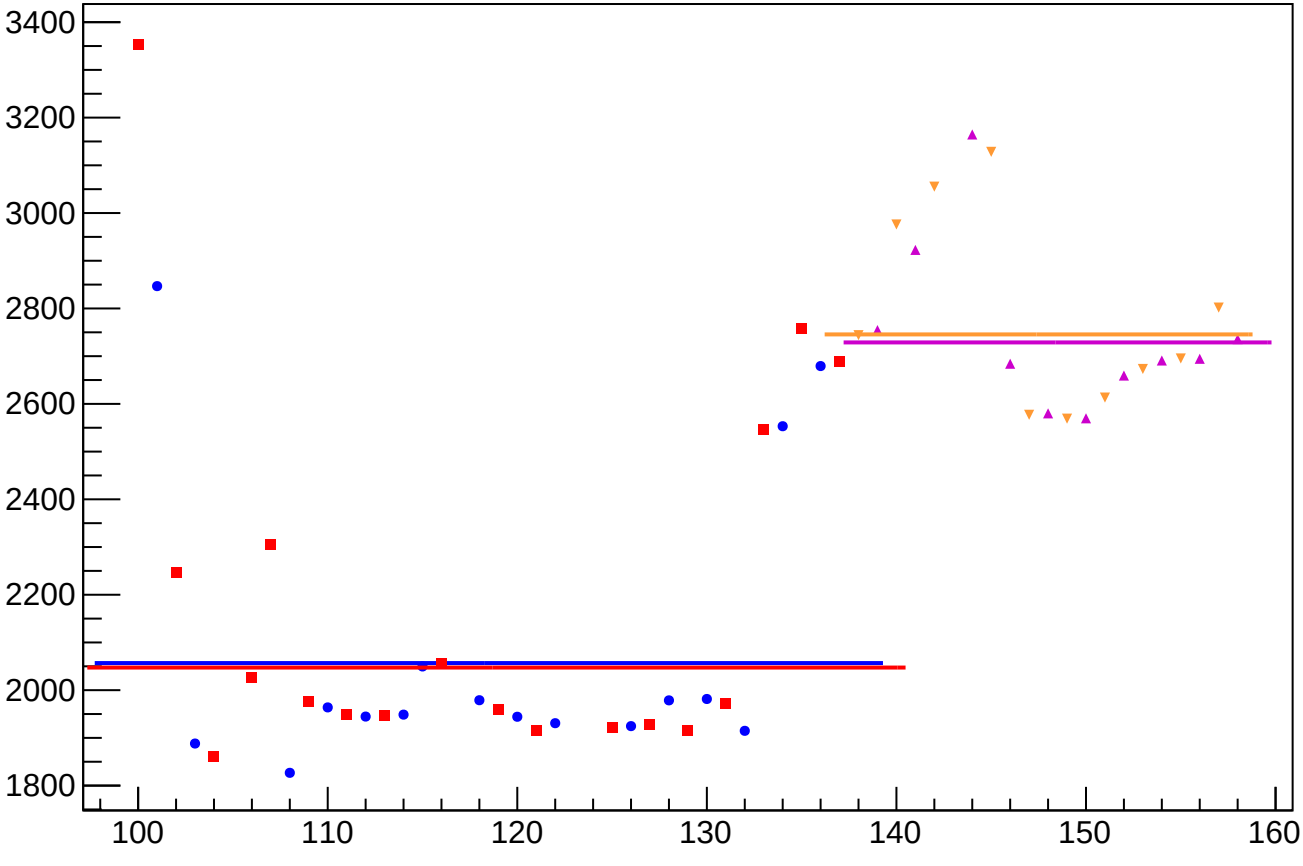
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2437.143+/-593.555 χ^2/NDF:17.9/25

Out: 1304.873+/-606.337 χ^2/NDF:45.8/27

All: 1883.069+/-424.154 χ^2/NDF: 65.5/53

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.616+/-0.694 χ^2/NDF:65040.4/9

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2728.818+/-0.655 χ^2/NDF:56850.3/9

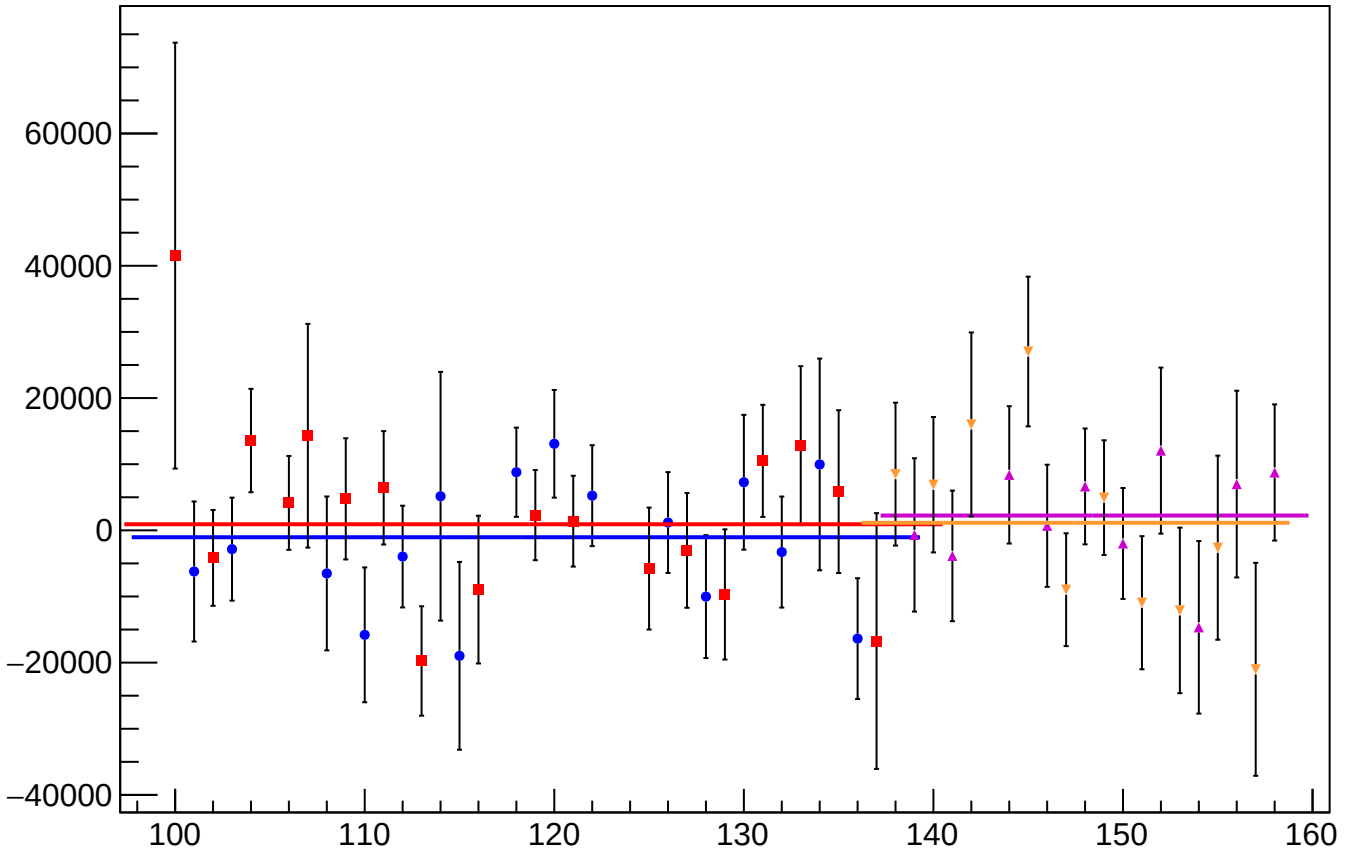
Left: 2736.729+/-0.476 χ^2/NDF: 122200.9/19

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2333.139+/-0.420 χ^2/NDF:948030.9/25

Out: 2313.626+/-0.428 χ^2/NDF:888373.8/27

All: 2323.581+/-0.300 χ^2/NDF: 1837463.5/53



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 1139.824+/-3462.267 χ^2/NDF:13.3/9

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2238.559+/-3285.510 χ^2/NDF:4.1/9

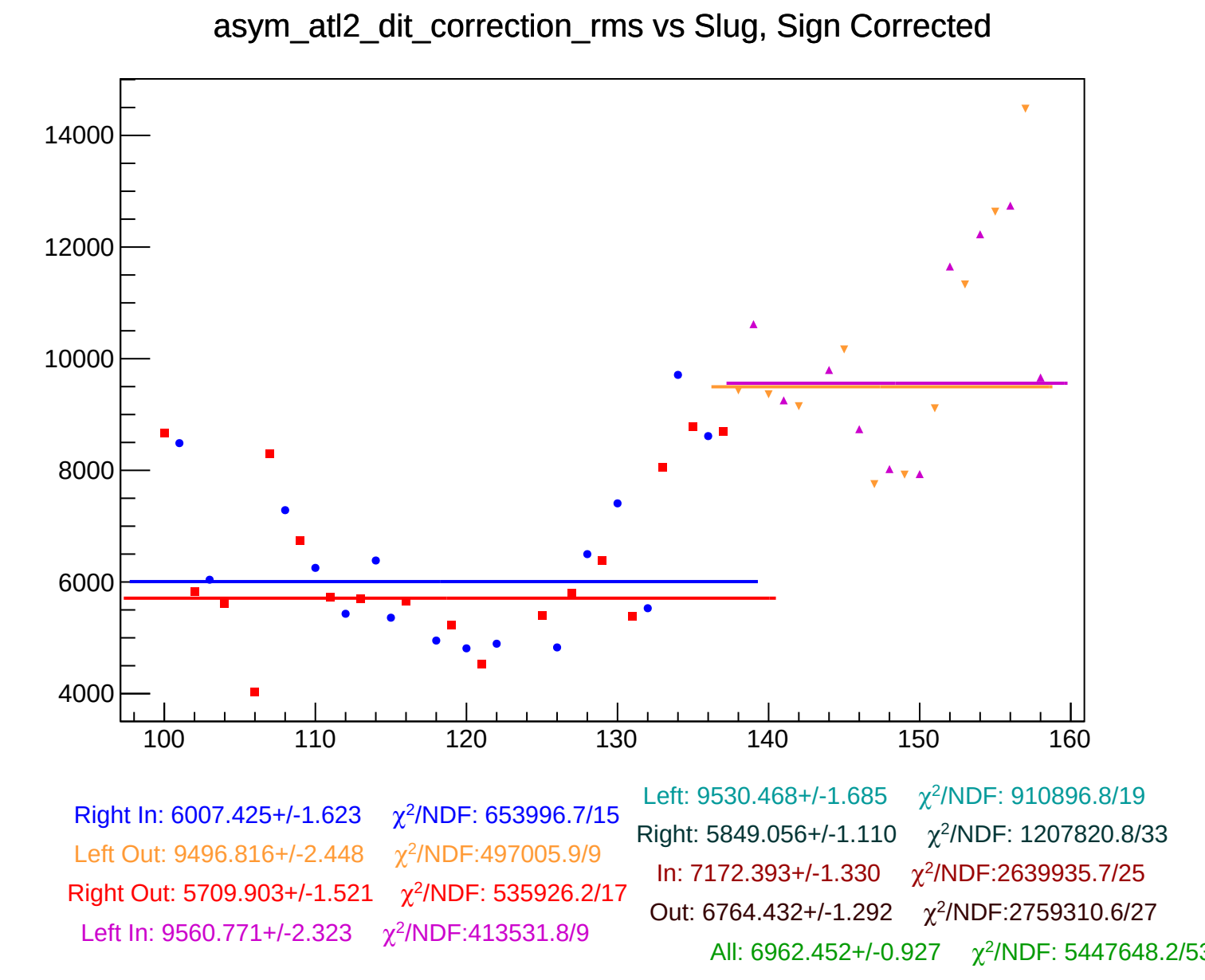
Left: 1717.953+/-2383.245 χ^2/NDF: 17.5/19

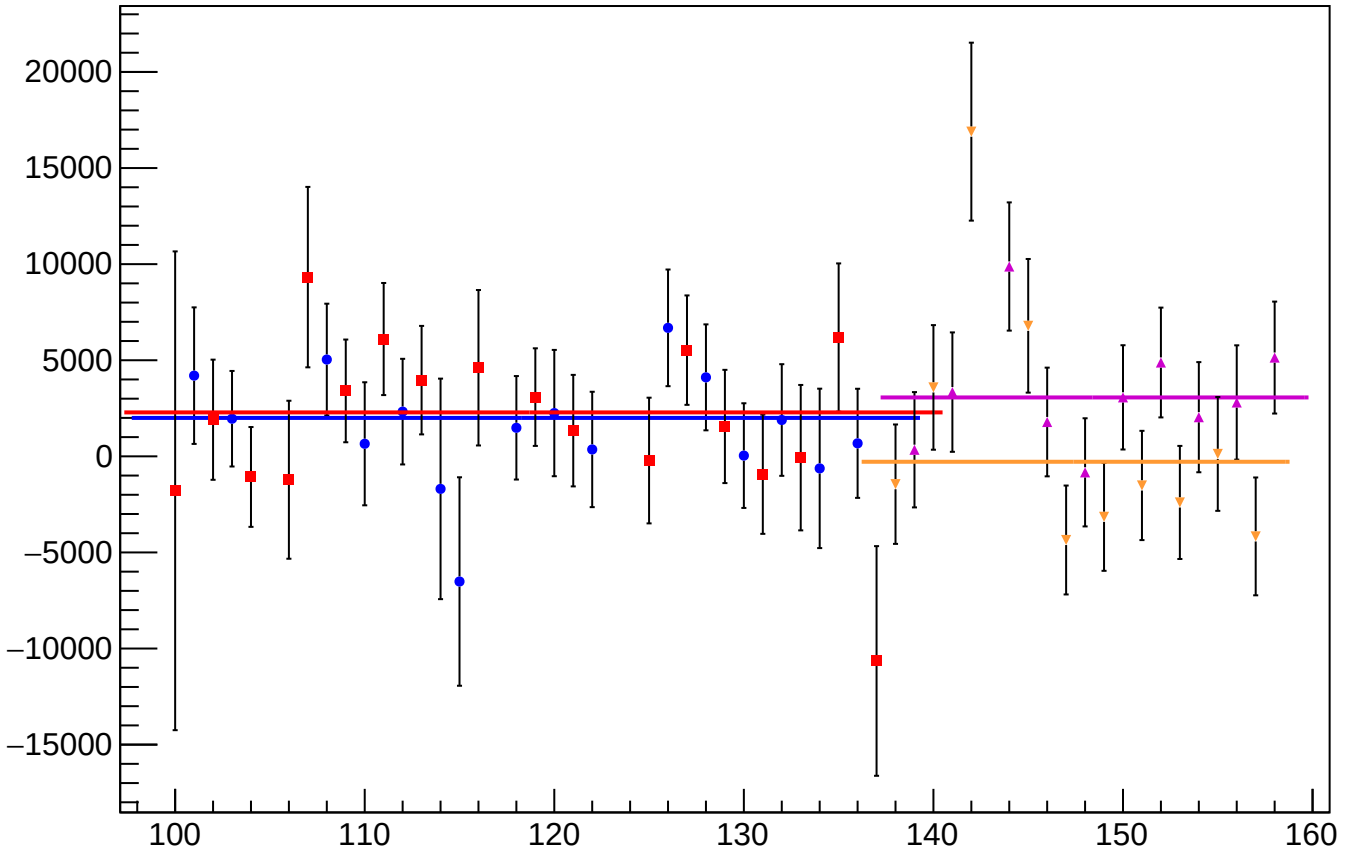
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: 33.189+/-1881.226 χ^2/NDF:20.1/25

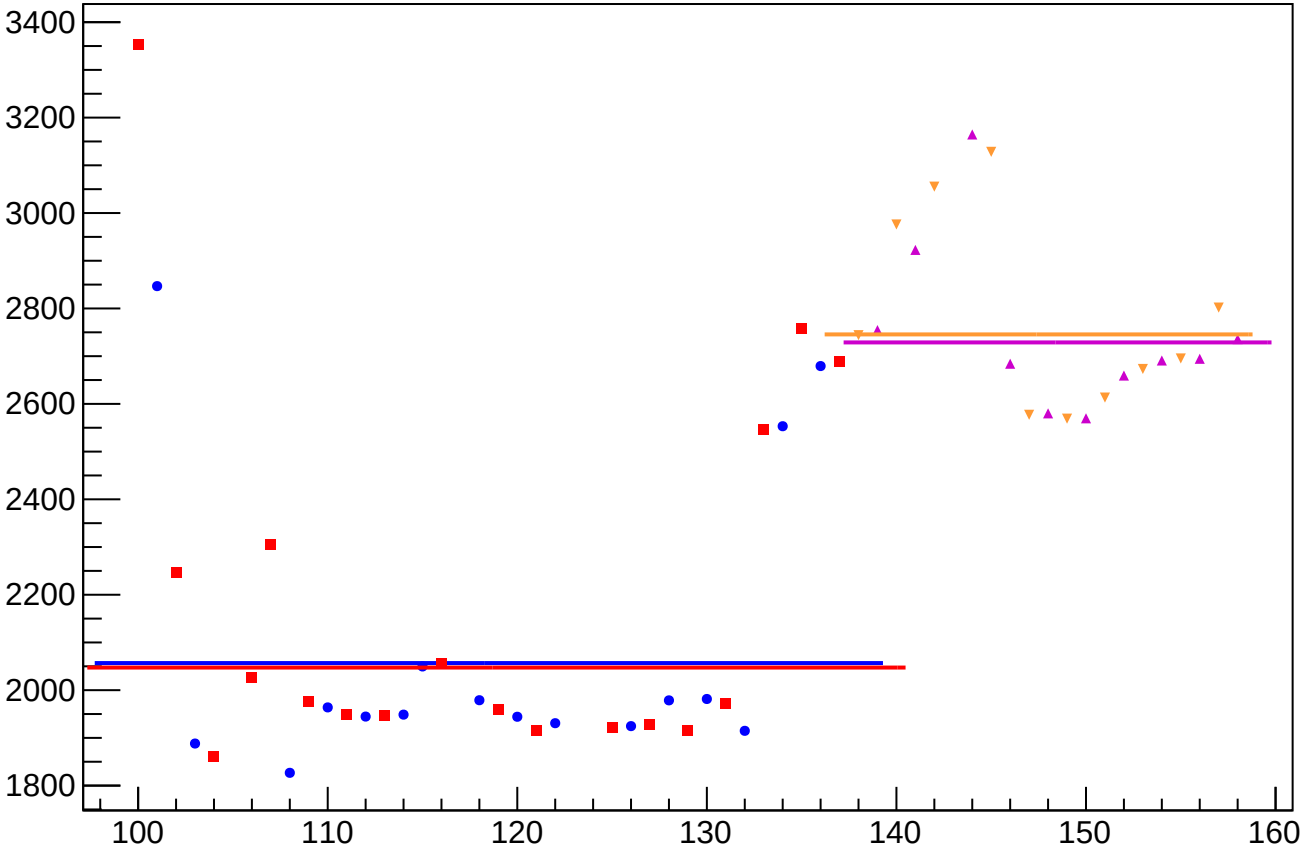
Out: 980.970+/-1827.037 χ^2/NDF:31.6/27

All: 520.927+/-1310.649 χ^2/NDF: 51.9/53


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9496.816+/-2.448 χ²/NDF:497005.9/9
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9560.771+/-2.323 χ²/NDF:413531.8/9
Left: 9530.468+/-1.685 χ²/NDF: 910896.8/19
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7172.393+/-1.330 χ²/NDF:2639935.7/25
Out: 6764.432+/-1.292 χ²/NDF:2759310.6/27
All: 6962.452+/-0.927 χ²/NDF: 5447648.2/53


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: -282.184+/-981.023 χ²/NDF:24.9/9
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 3064.192+/-925.612 χ²/NDF:8.2/9
Left: 1488.175+/-673.243 χ²/NDF: 39.2/19
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2437.147+/-593.555 χ²/NDF:17.9/25
Out: 1304.877+/-606.338 χ²/NDF:45.8/27
All: 1883.073+/-424.154 χ²/NDF: 65.5/53

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.619+/-0.694 χ^2/NDF:65041.7/9

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2728.821+/-0.655 χ^2/NDF:56850.9/9

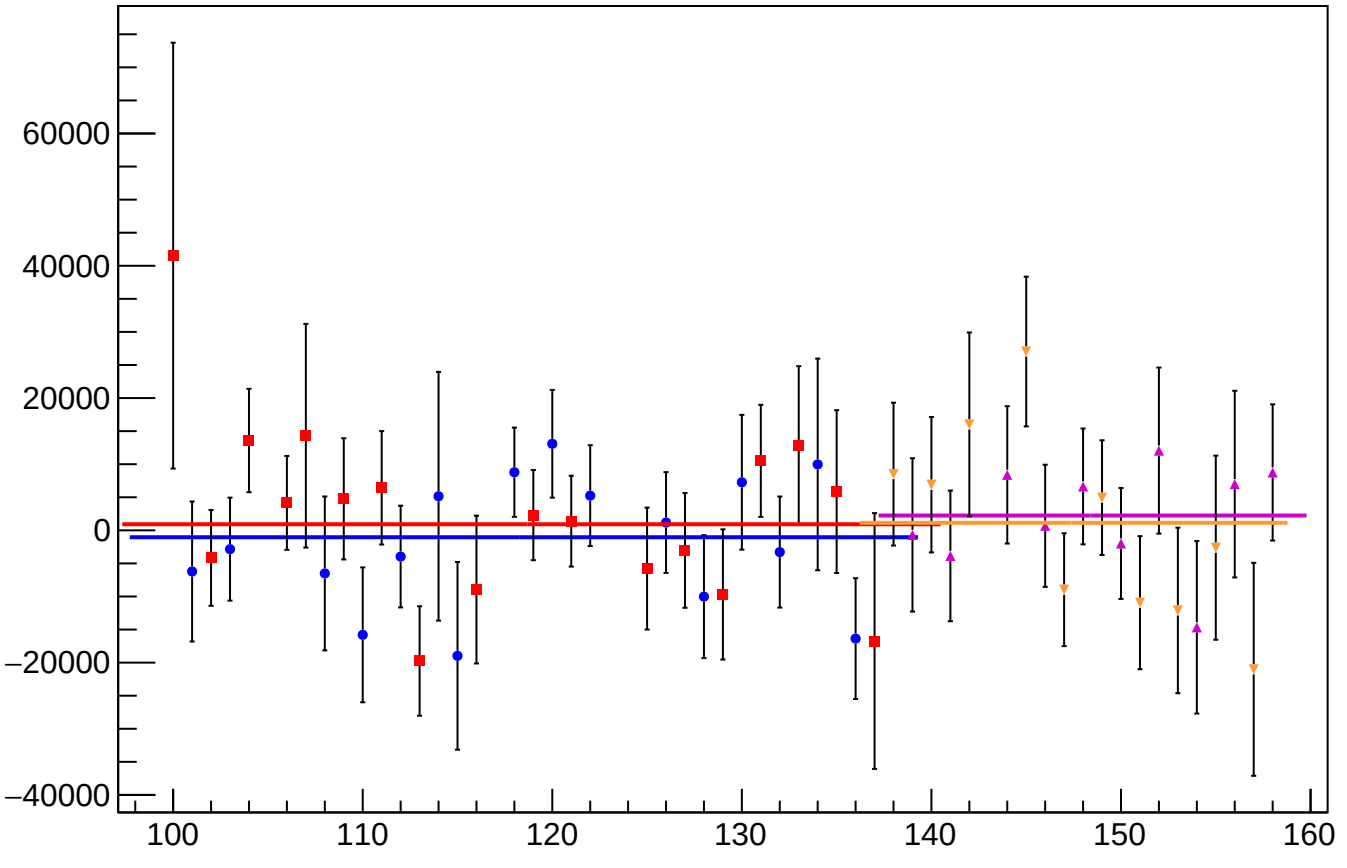
Left: 2736.732+/-0.476 χ^2/NDF: 122202.8/19

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2333.140+/-0.420 χ^2/NDF:948035.8/25

Out: 2313.626+/-0.428 χ^2/NDF:888379.9/27

All: 2323.582+/-0.300 χ^2/NDF: 1837474.5/53



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 1139.818+/-3462.272 χ^2/NDF:13.3/9

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2238.564+/-3285.514 χ^2/NDF:4.1/9

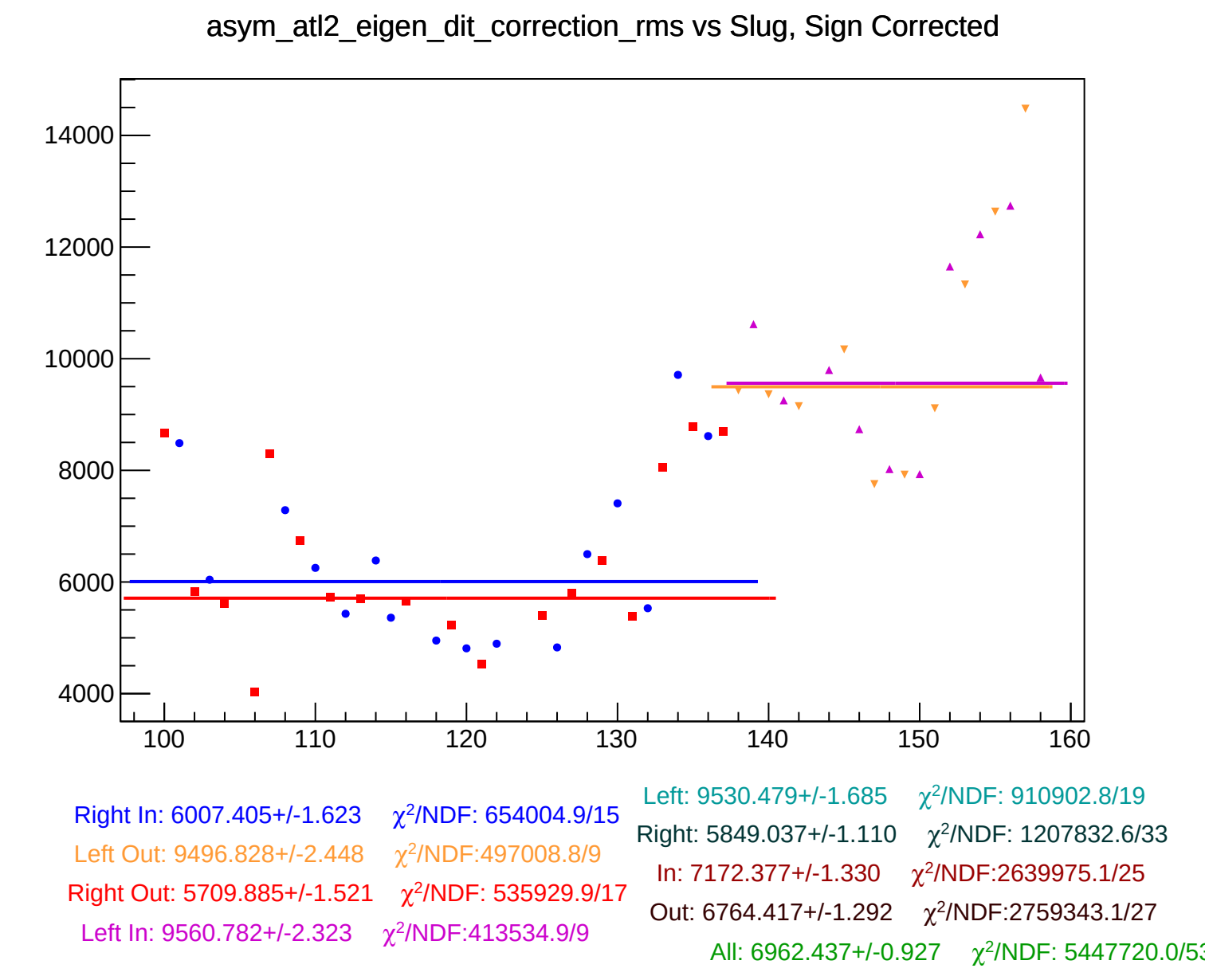
Left: 1717.953+/-2383.248 χ^2/NDF: 17.5/19

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

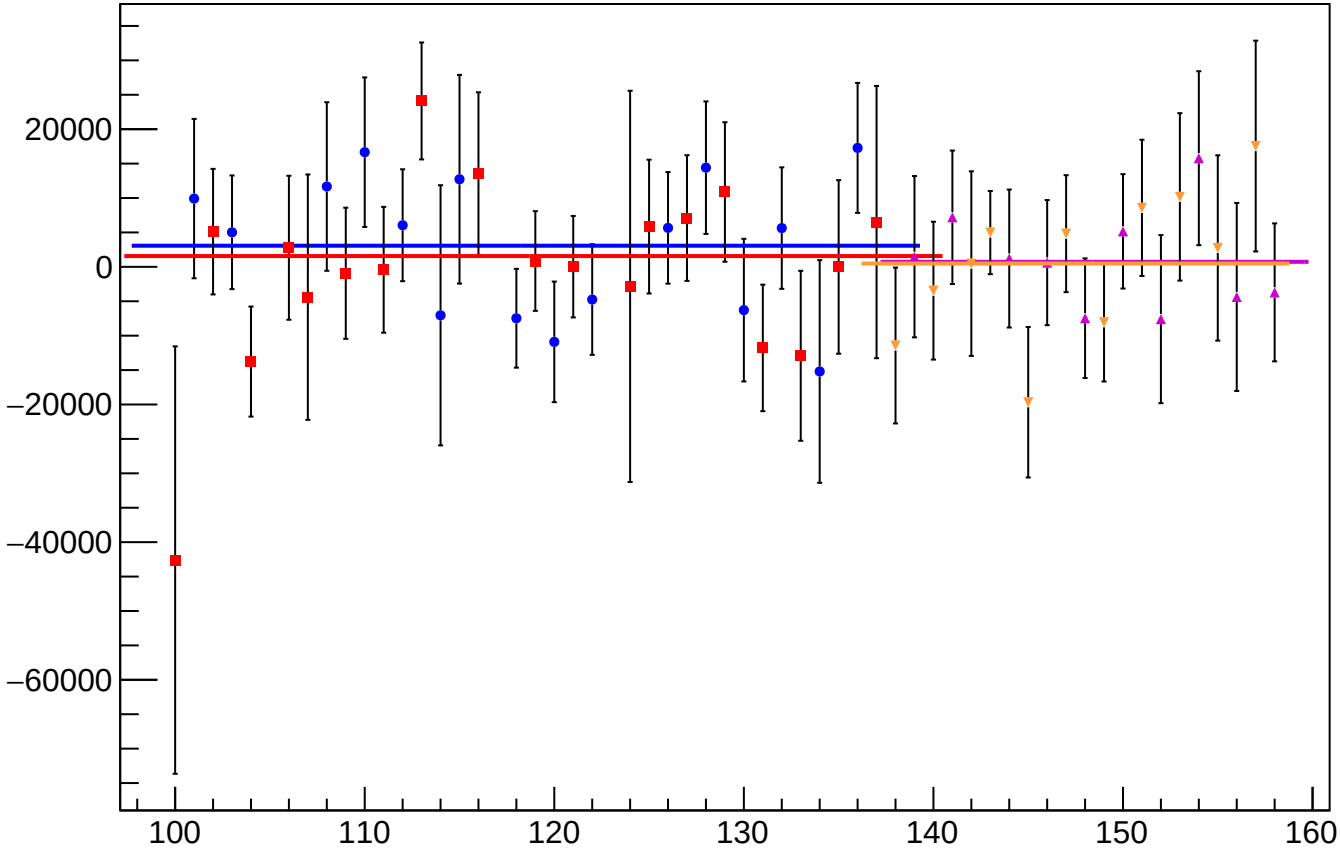
In: 33.192+/-1881.223 χ^2/NDF:20.1/25

Out: 980.971+/-1827.034 χ^2/NDF:31.6/27

All: 520.929+/-1310.647 χ^2/NDF: 51.9/53


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 6007.405+/-1.623 χ²/NDF: 654004.9/15
Left Out: 9496.828+/-2.448 χ²/NDF:497008.8/9
Right Out: 5709.885+/-1.521 χ²/NDF: 535929.9/17
Left In: 9560.782+/-2.323 χ²/NDF:413534.9/9
Left: 9530.479+/-1.685 χ²/NDF: 910902.8/19
Right: 5849.037+/-1.110 χ²/NDF: 1207832.6/33
In: 7172.377+/-1.330 χ²/NDF:2639975.1/25
Out: 6764.417+/-1.292 χ²/NDF:2759343.1/27
All: 6962.437+/-0.927 χ²/NDF: 5447720.0/53

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 485.722+/-2972.533 χ^2/NDF:9.0/10

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 730.873+/-3227.735 χ^2/NDF:3.8/9

Left: 598.224+/-2186.561 χ^2/NDF: 12.9/20

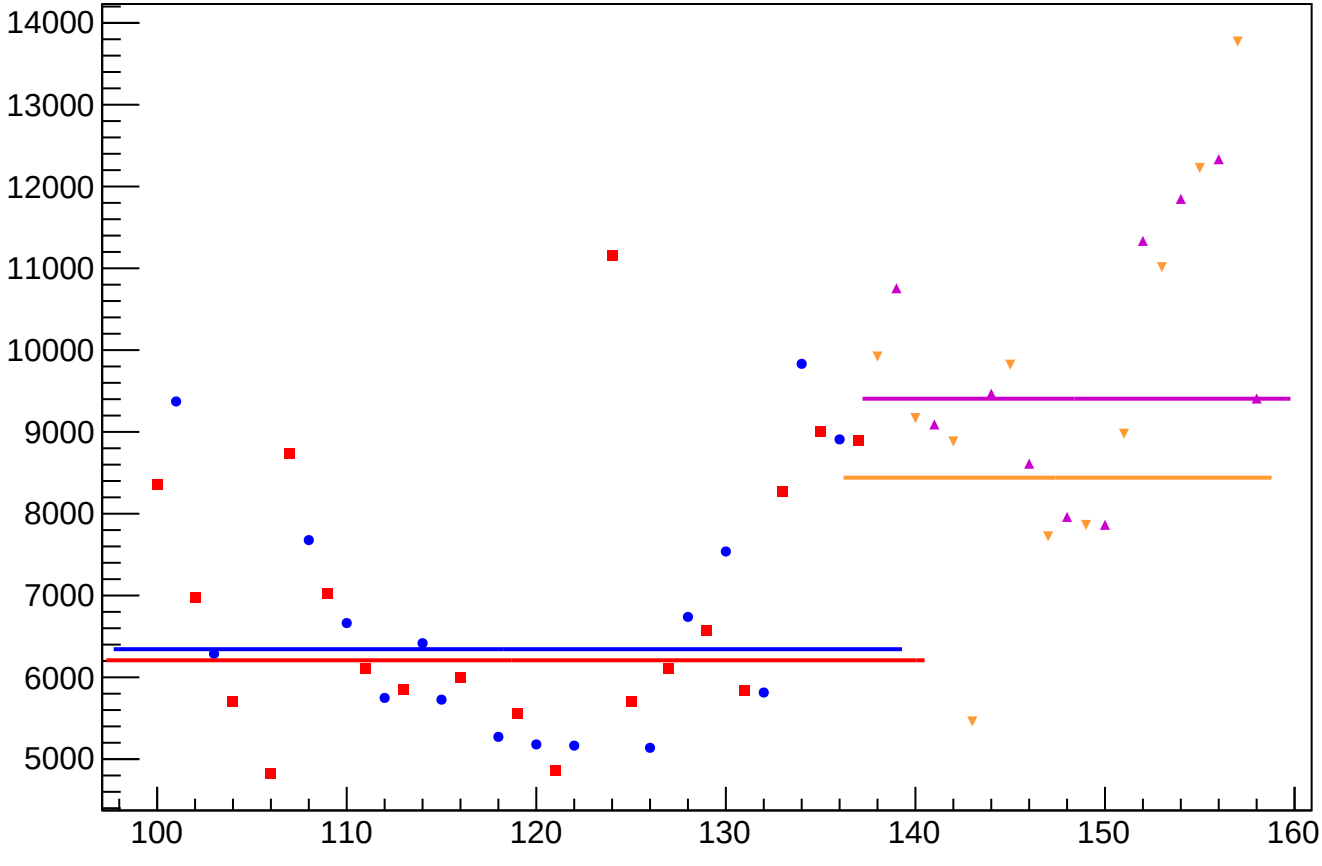
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2228.138+/-1936.600 χ^2/NDF:19.0/25

Out: 1154.256+/-1836.651 χ^2/NDF:28.3/29

All: 1662.771+/-1332.642 χ^2/NDF: 47.5/55

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8440.622+/-2.102 χ^2/NDF:1084387.9/10

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9405.984+/-2.282 χ^2/NDF:384671.5/9

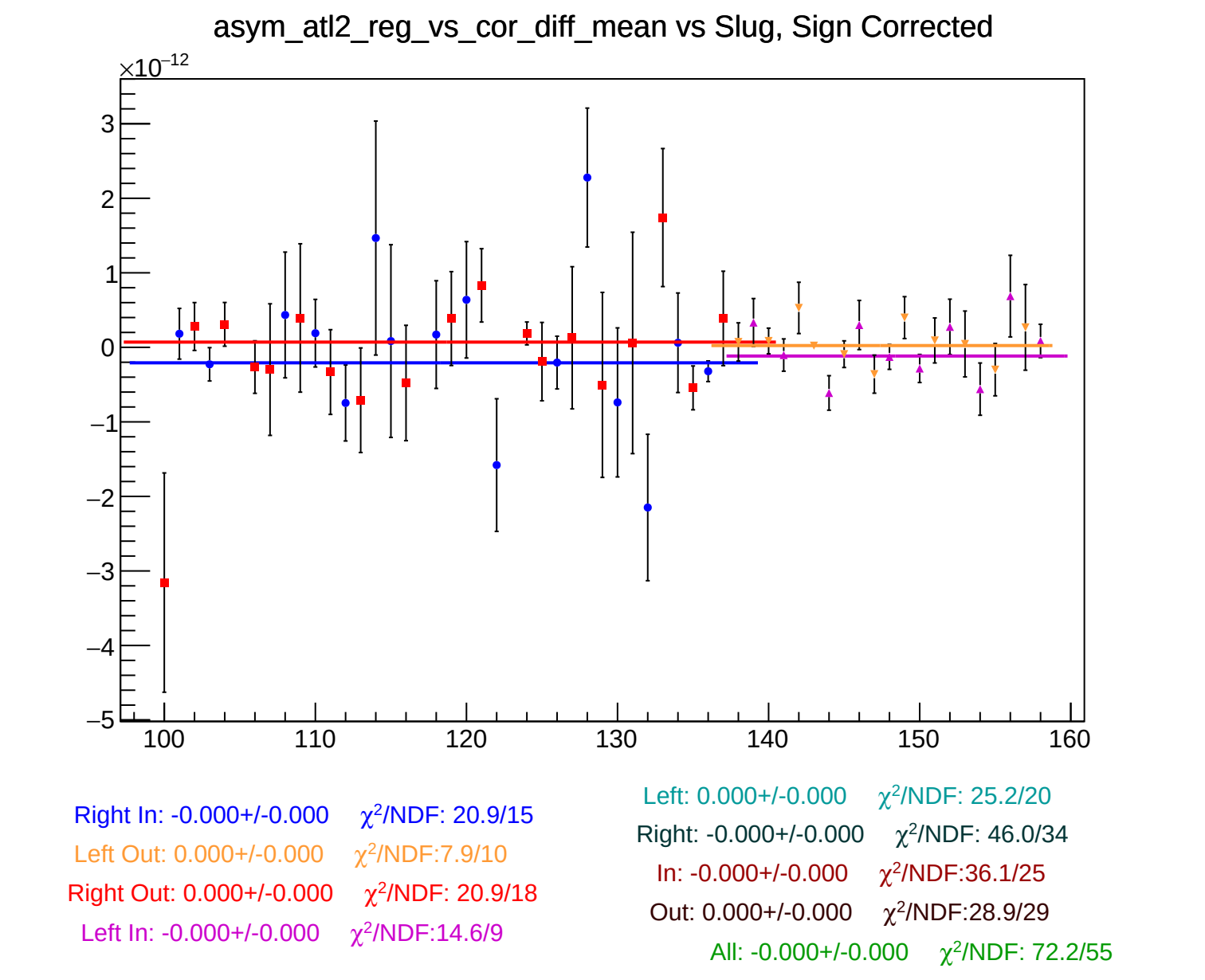
Left: 8883.636+/-1.546 χ^2/NDF: 1565861.5/20

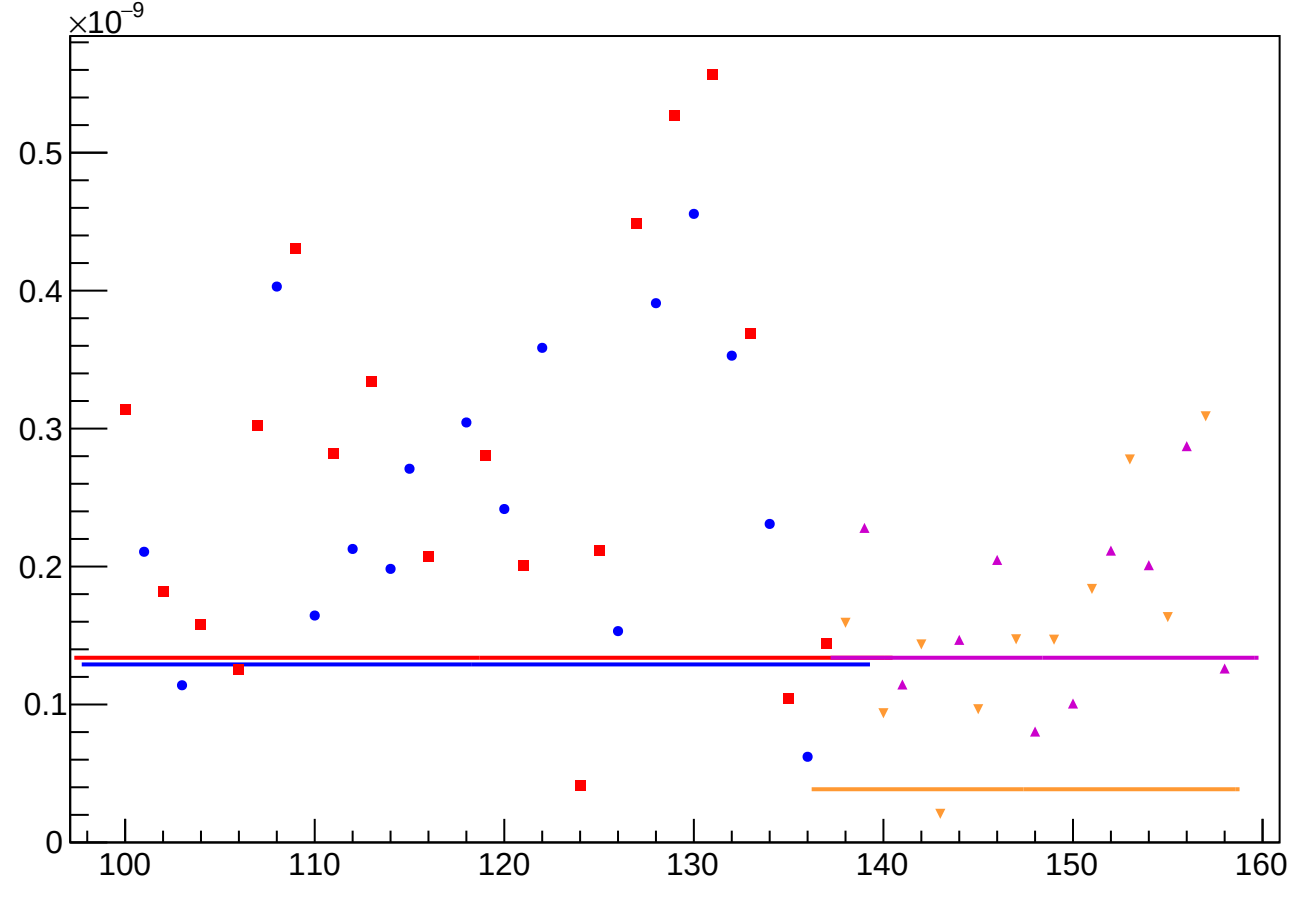
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7446.135+/-1.369 χ^2/NDF:2158007.7/25

Out: 7060.403+/-1.299 χ^2/NDF:2253690.2/29

All: 7243.058+/-0.942 χ^2/NDF: 4453470.8/55


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: -0.000+/-0.000 χ²/NDF:14.6/9
Left: 0.000+/-0.000 χ²/NDF: 25.2/20
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:36.1/25
Out: 0.000+/-0.000 χ²/NDF:28.9/29
All: -0.000+/-0.000 χ²/NDF: 72.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3949475.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:872861.8/9

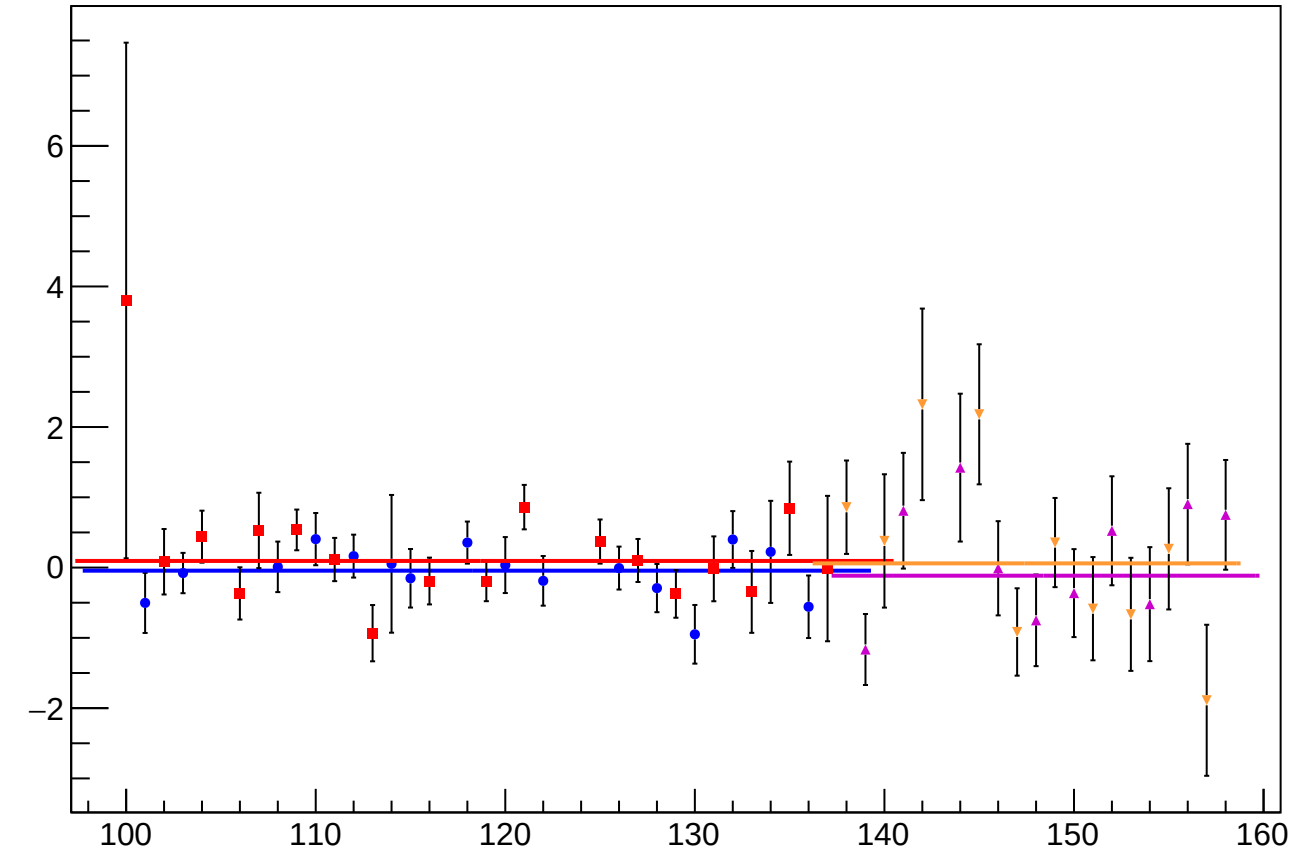
Left: 0.000+/-0.000 χ^2/NDF: 7326340.7/20

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2596254.2/25

Out: 0.000+/-0.000 χ^2/NDF:8029350.2/29

All: 0.000+/-0.000 χ^2/NDF: 13624430.0/55



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.226 χ^2/NDF:12.4/9

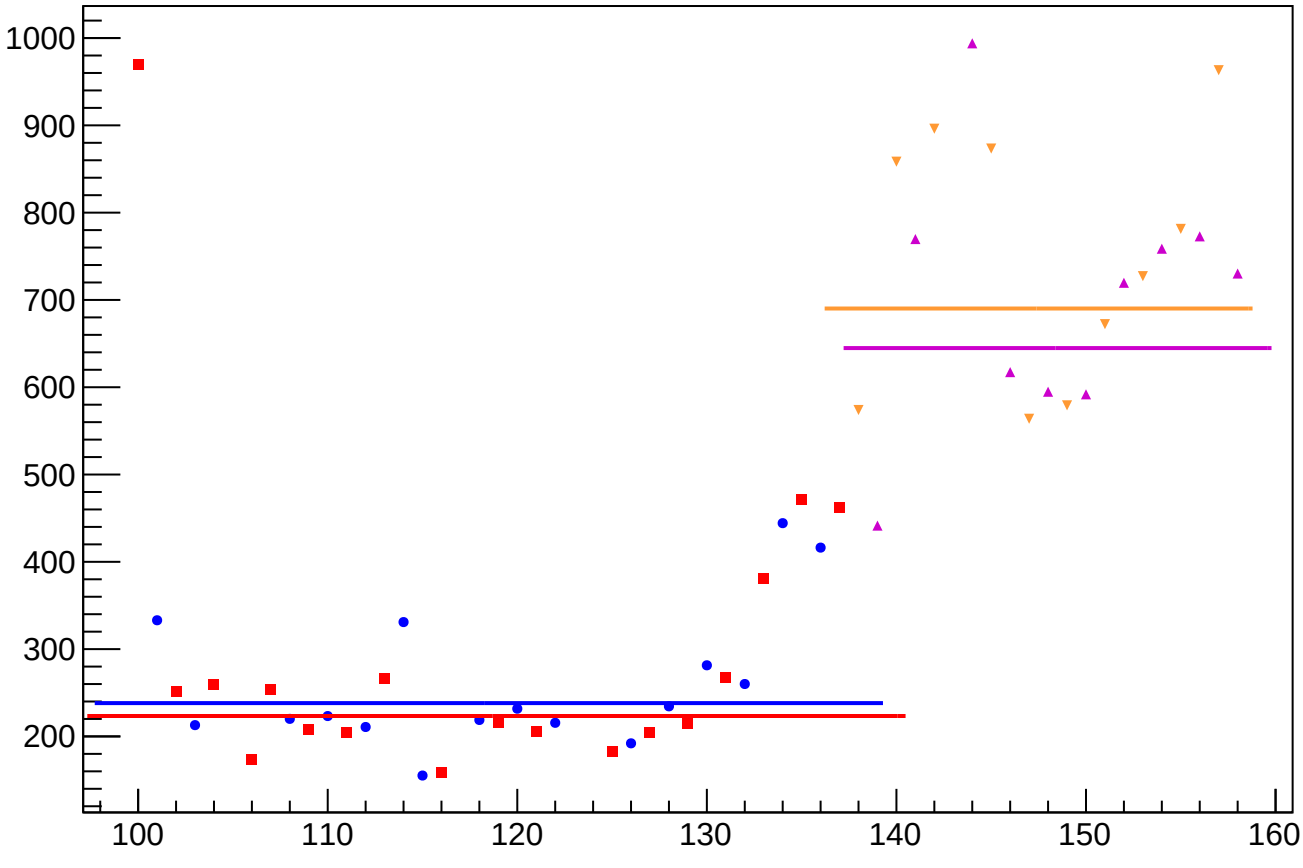
Left: -0.038+/-0.169 χ^2/NDF: 29.1/19

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.055+/-0.087 χ^2/NDF:25.6/25

Out: 0.091+/-0.085 χ^2/NDF:41.7/27

All: 0.019+/-0.061 χ^2/NDF: 68.8/53



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 690.181+/-0.179 χ^2/NDF:537972.8/9

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 644.858+/-0.160 χ^2/NDF:746707.9/9

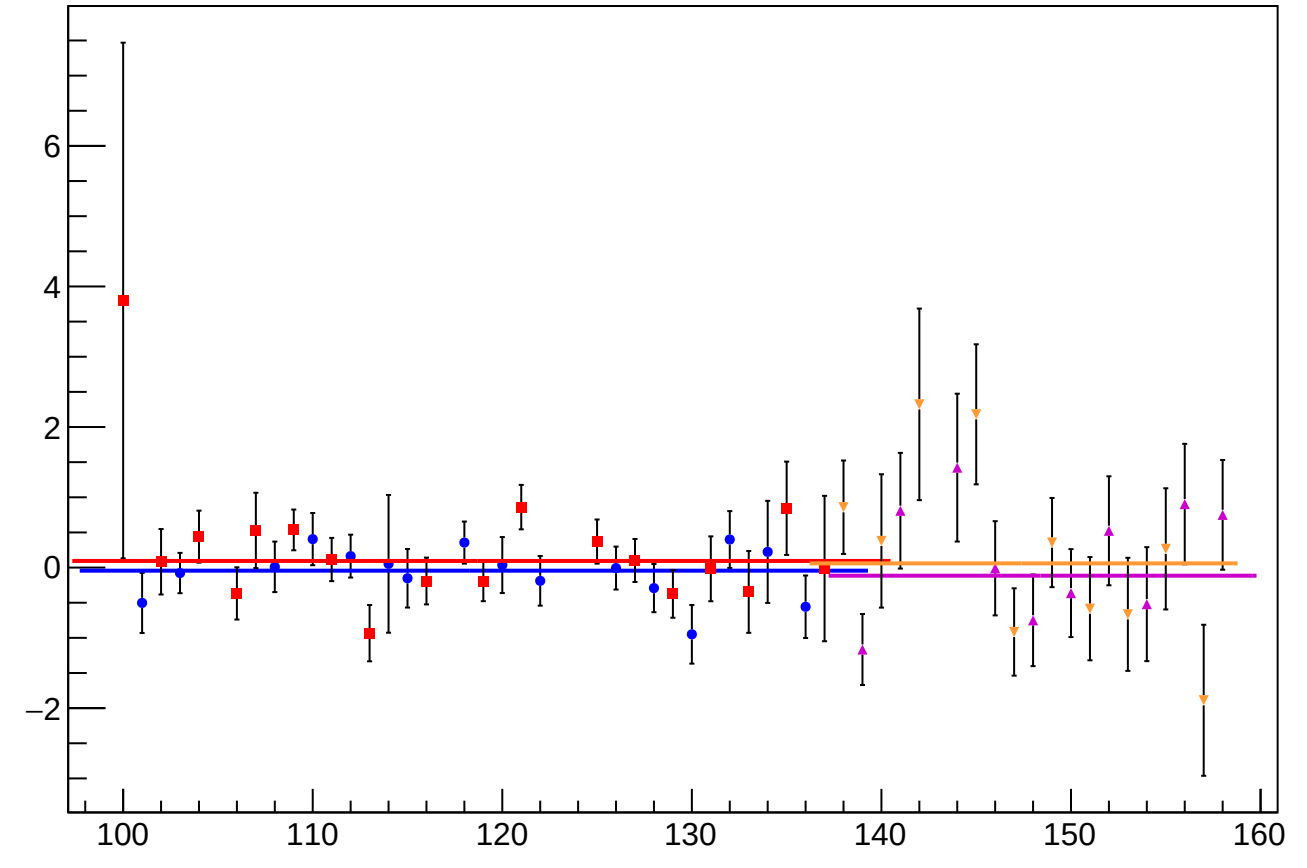
Left: 664.935+/-0.119 χ^2/NDF: 1320382.2/19

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 298.026+/-0.061 χ^2/NDF:7088022.8/25

Out: 275.795+/-0.060 χ^2/NDF:7436041.4/27

All: 286.678+/-0.043 χ^2/NDF: 14591311.6/53



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.226 χ^2/NDF:12.4/9

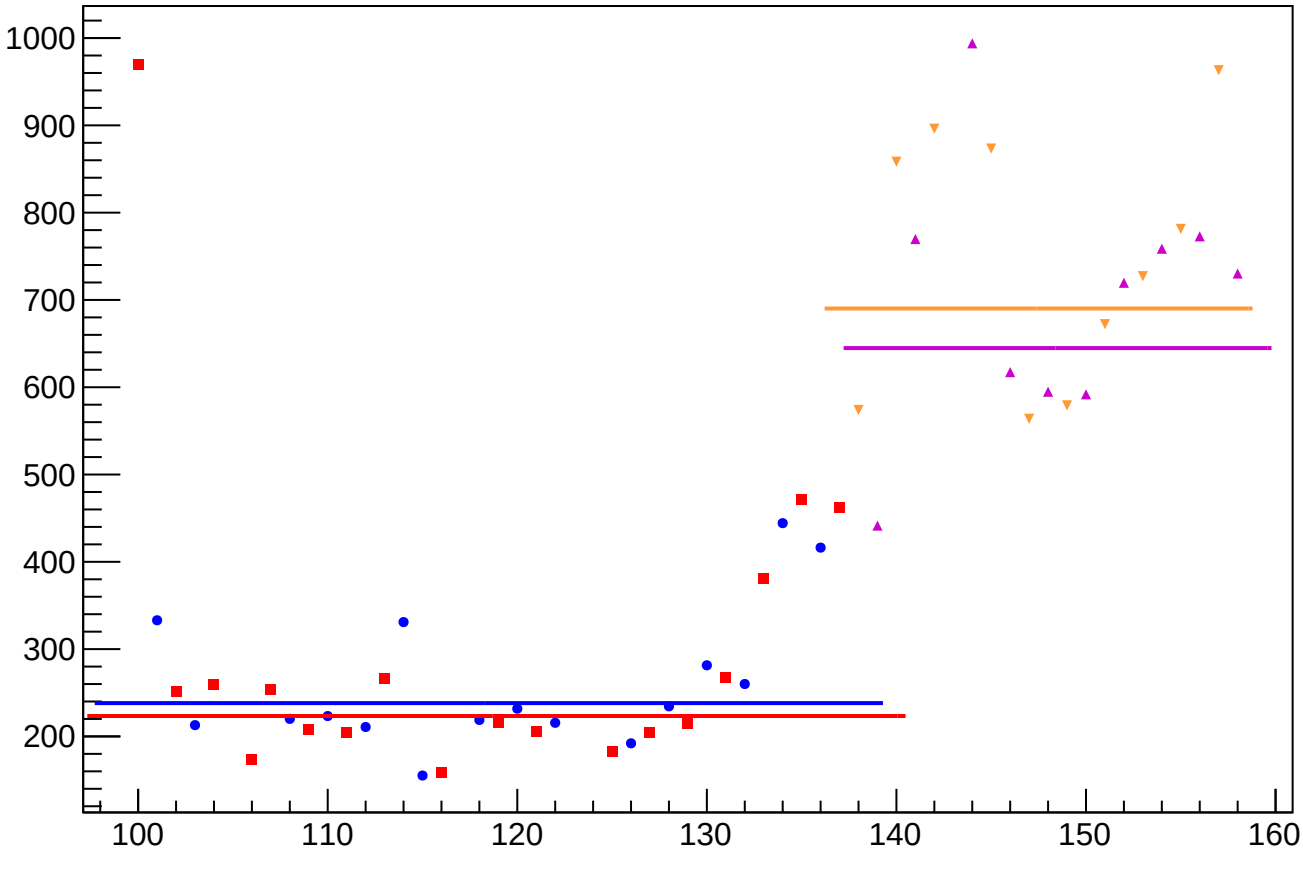
Left: -0.038+/-0.169 χ^2/NDF: 29.1/19

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.055+/-0.087 χ^2/NDF:25.6/25

Out: 0.091+/-0.085 χ^2/NDF:41.7/27

All: 0.019+/-0.061 χ^2/NDF: 68.8/53



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 690.181+/-0.179 χ^2/NDF:537972.8/9

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 644.858+/-0.160 χ^2/NDF:746707.9/9

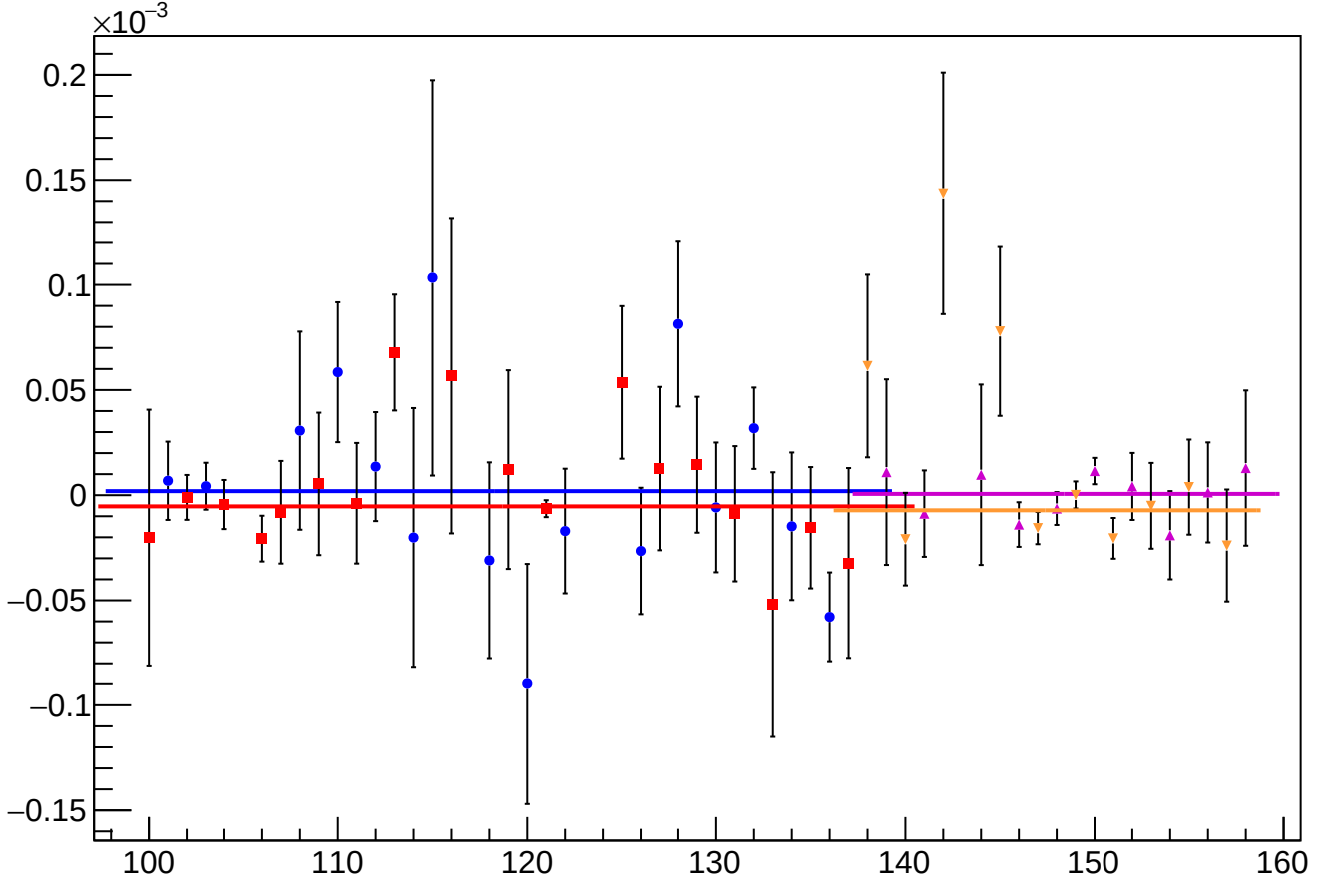
Left: 664.935+/-0.119 χ^2/NDF: 1320382.2/19

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 298.026+/-0.061 χ^2/NDF:7088022.8/25

Out: 275.795+/-0.060 χ^2/NDF:7436041.4/27

All: 286.678+/-0.043 χ^2/NDF: 14591311.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/9

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

Left In: 0.000+/-0.000 χ^2/NDF:7.0/9

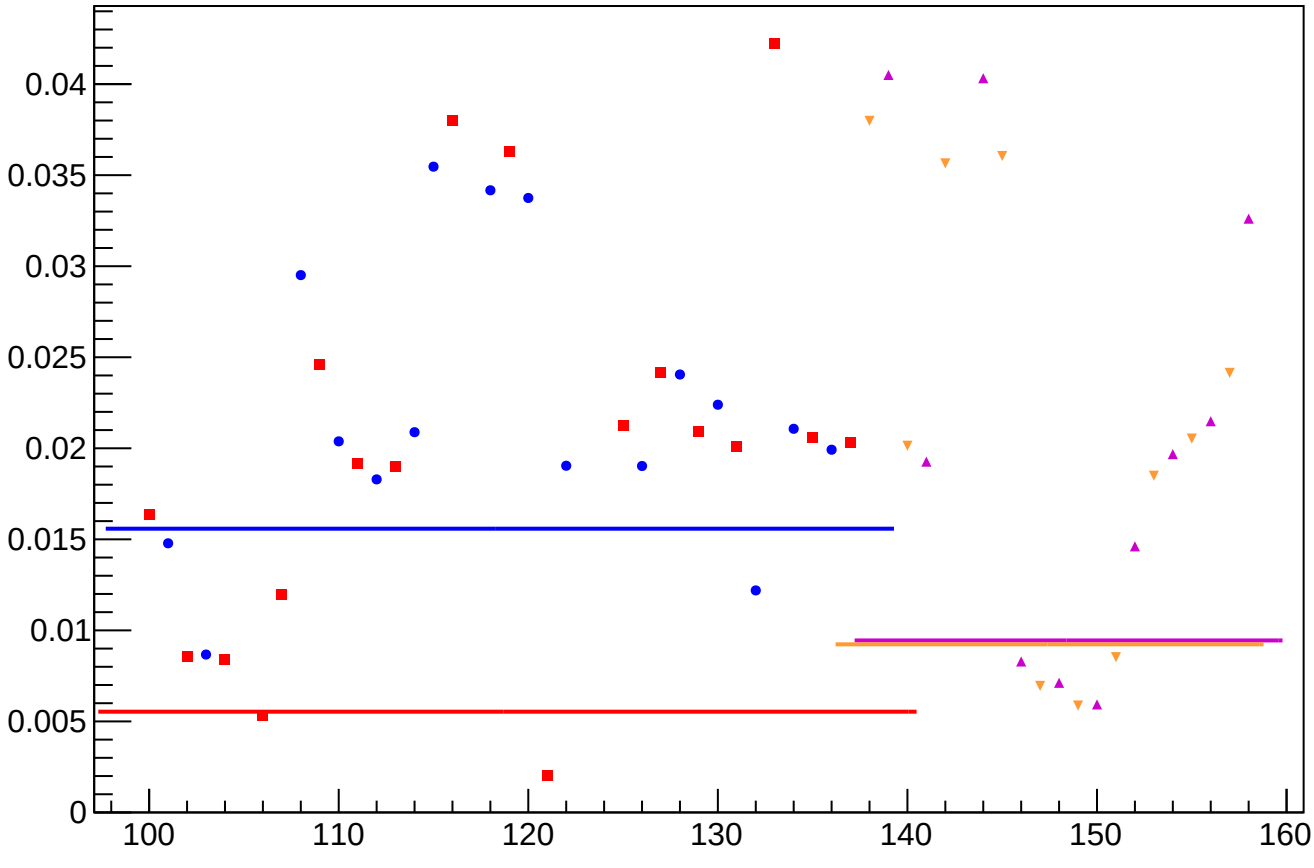
Left: -0.000+/-0.000 χ^2/NDF: 28.2/19

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.1/25

Out: -0.000+/-0.000 χ^2/NDF:34.0/27

All: -0.000+/-0.000 χ^2/NDF: 67.8/53



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:4956055.7/9

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:5301830.1/9

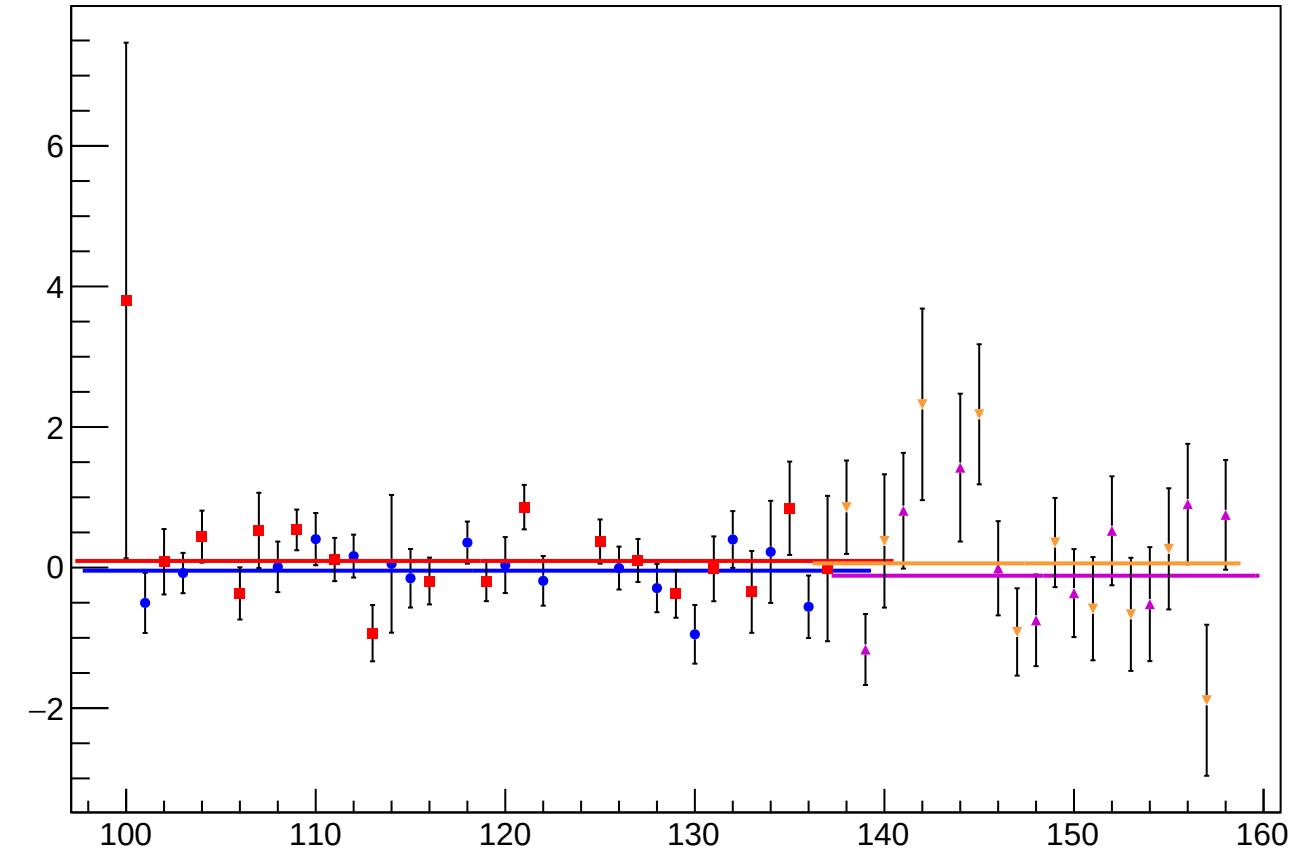
Left: 0.009+/-0.000 χ^2/NDF: 10260739.2/19

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:8708865.4/25

Out: 0.007+/-0.000 χ^2/NDF:13940799.2/27

All: 0.008+/-0.000 χ^2/NDF: 24653631.6/53



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.226 χ^2/NDF:12.4/9

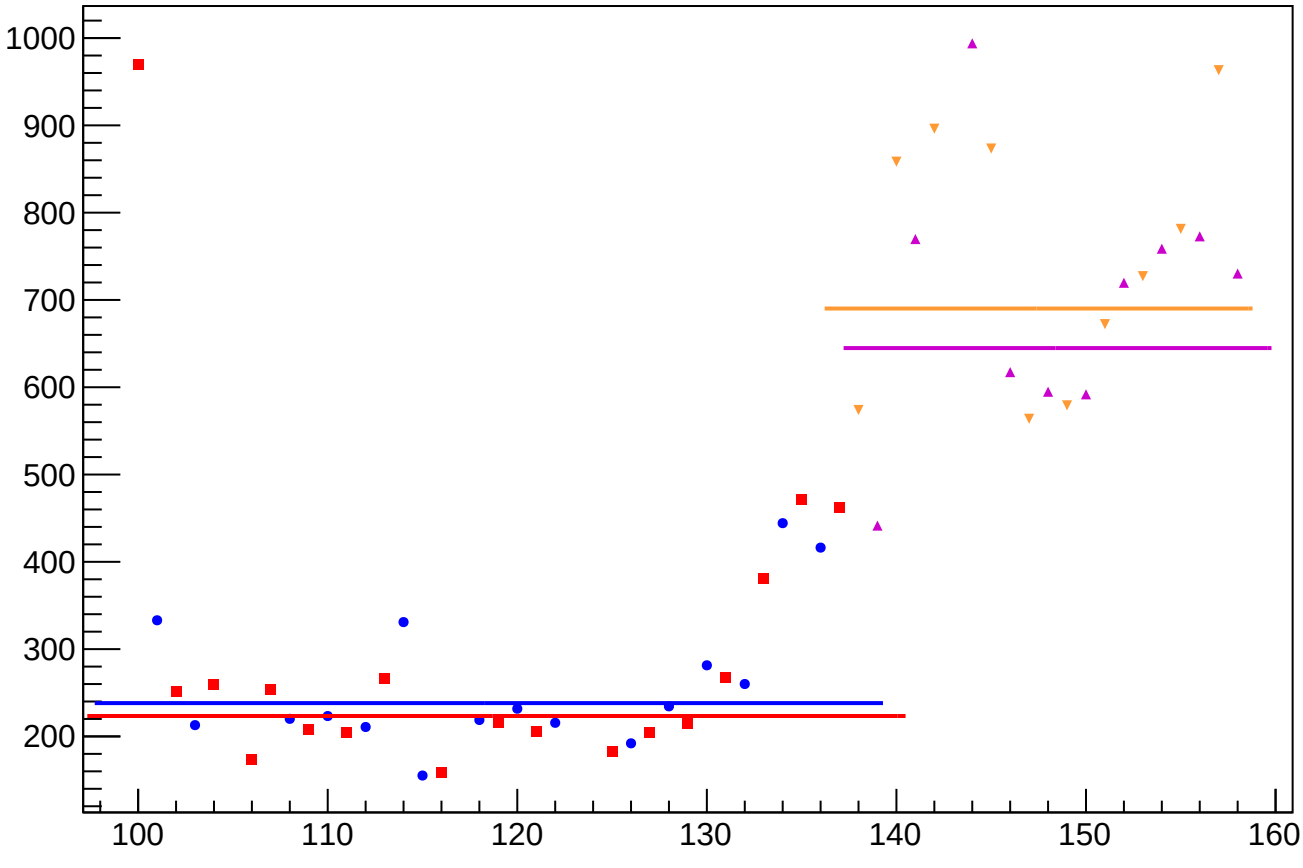
Left: -0.038+/-0.169 χ^2/NDF: 29.1/19

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.055+/-0.087 χ^2/NDF:25.6/25

Out: 0.091+/-0.085 χ^2/NDF:41.7/27

All: 0.019+/-0.061 χ^2/NDF: 68.8/53



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 690.187+/-0.179 χ^2/NDF:538020.6/9

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 644.868+/-0.160 χ^2/NDF:746697.5/9

Left: 664.944+/-0.119 χ^2/NDF: 1320413.3/19

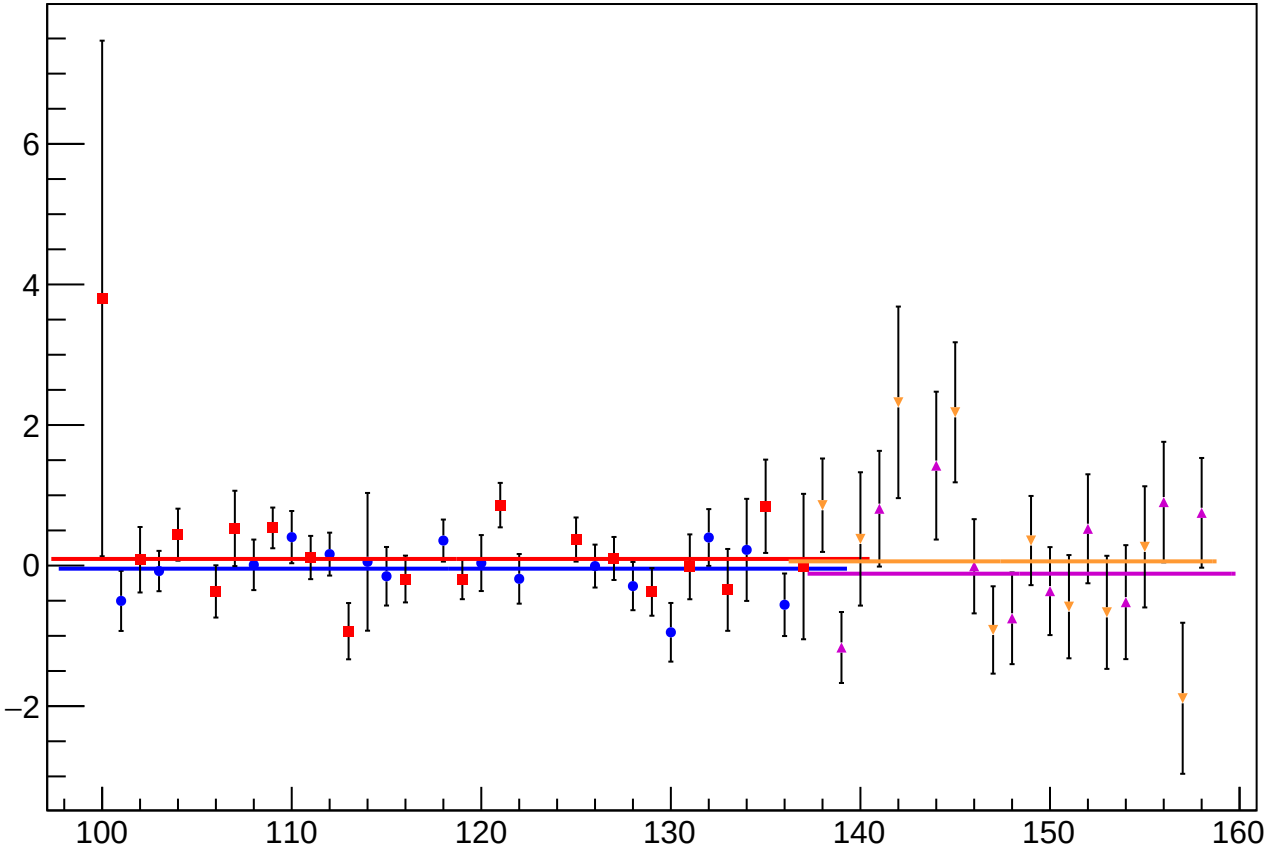
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 298.027+/-0.061 χ^2/NDF:7088078.2/25

Out: 275.796+/-0.060 χ^2/NDF:7436035.8/27

All: 286.679+/-0.043 χ^2/NDF: 14591356.4/53

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: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.226 χ^2/NDF:12.4/9

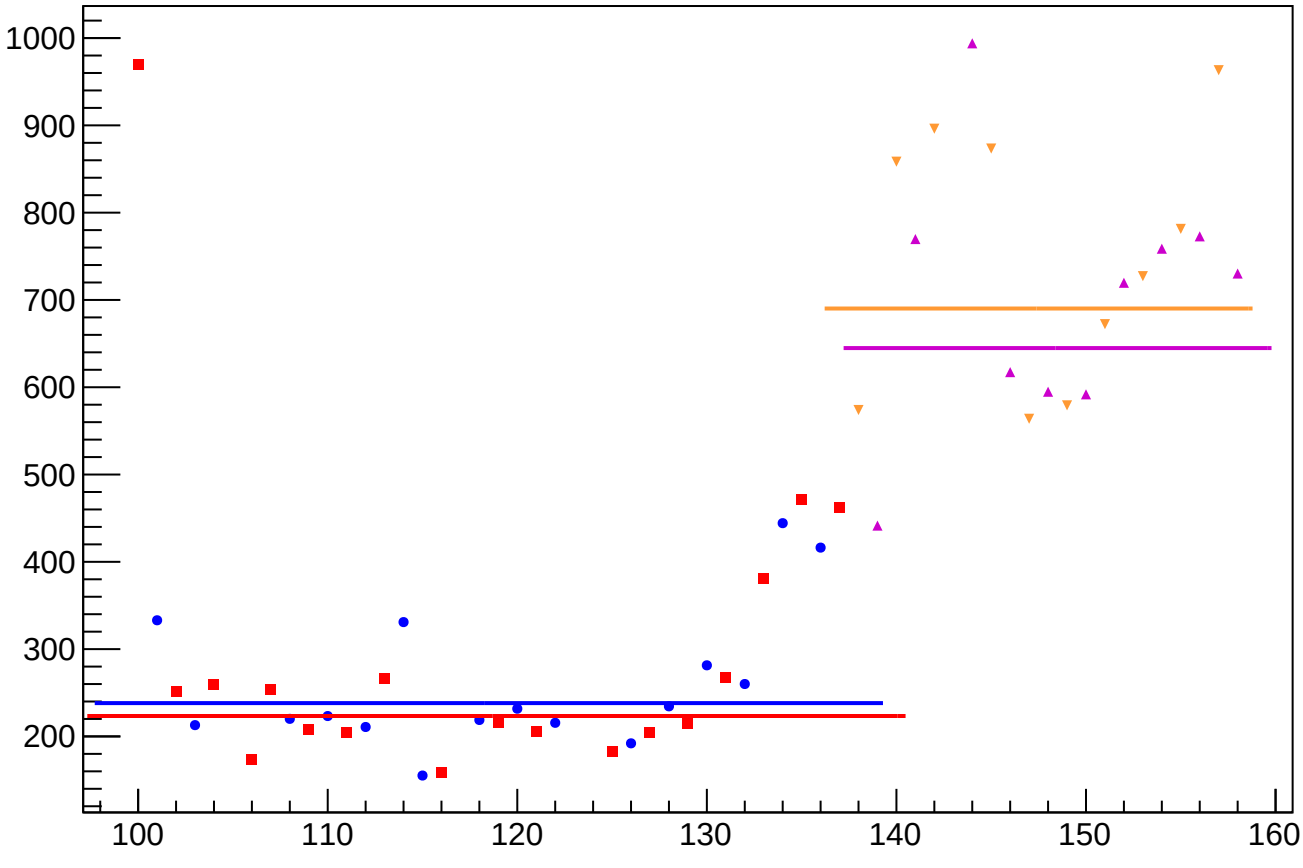
Left: -0.038+/-0.169 χ^2/NDF: 29.1/19

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.055+/-0.087 χ^2/NDF:25.6/25

Out: 0.091+/-0.085 χ^2/NDF:41.7/27

All: 0.019+/-0.061 χ^2/NDF: 68.8/53



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 690.187+/-0.179 χ^2/NDF:538020.6/9

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 644.868+/-0.160 χ^2/NDF:746697.5/9

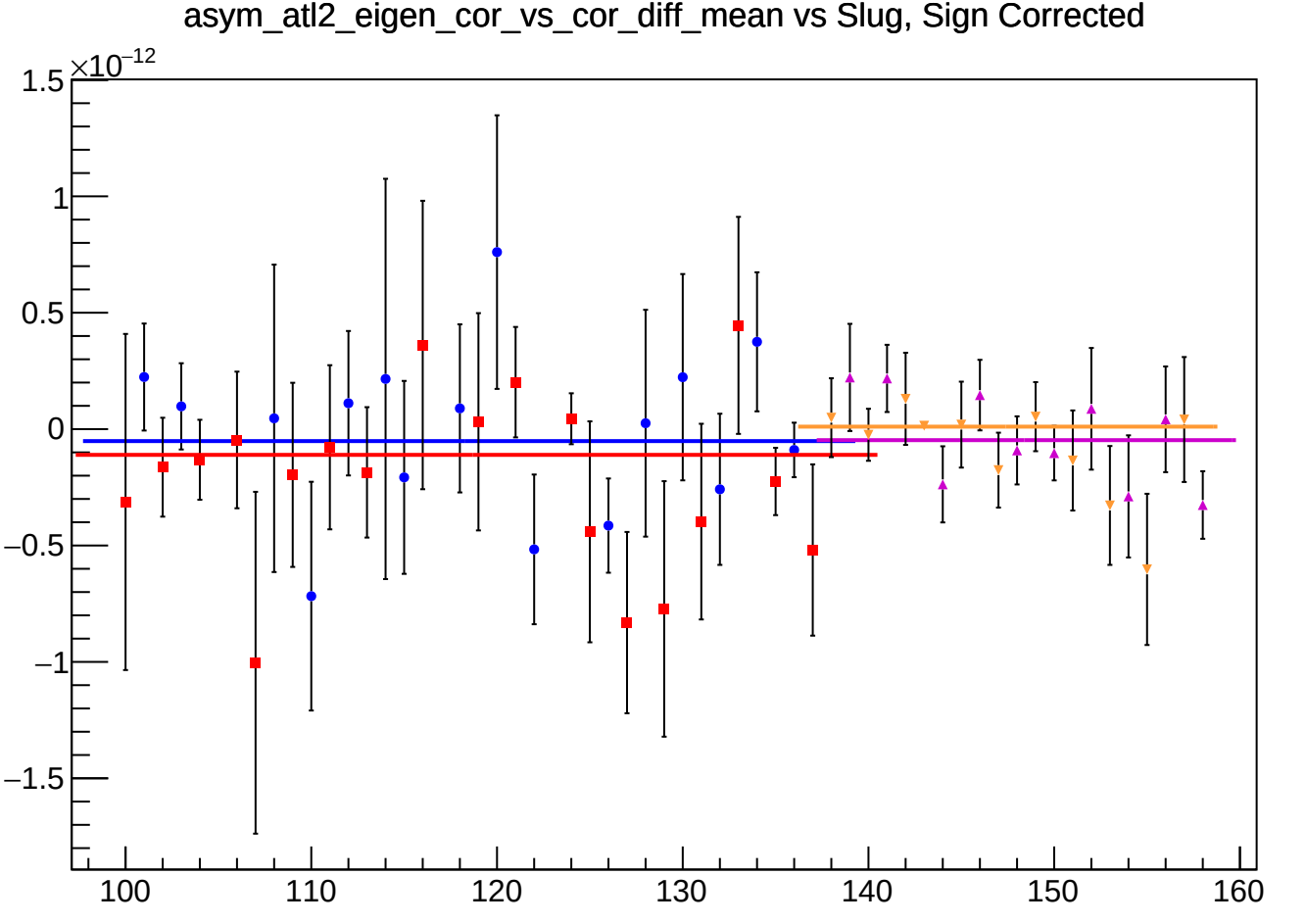
Left: 664.944+/-0.119 χ^2/NDF: 1320413.3/19

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 298.027+/-0.061 χ^2/NDF:7088078.2/25

Out: 275.796+/-0.060 χ^2/NDF:7436035.8/27

All: 286.679+/-0.043 χ^2/NDF: 14591356.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/9

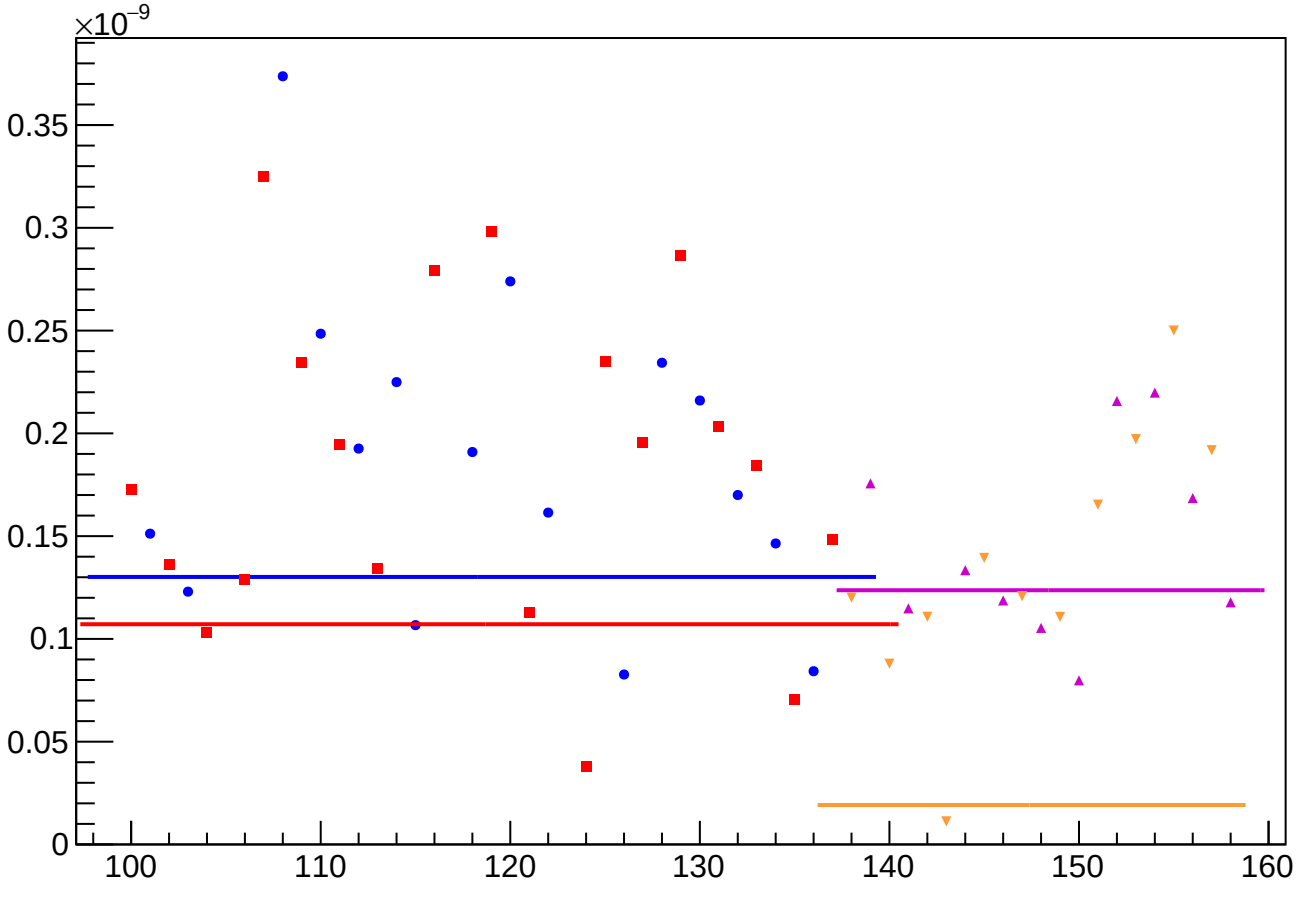
Left: 0.000+/-0.000 χ^2/NDF: 21.9/20

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:27.8/25

Out: 0.000+/-0.000 χ^2/NDF:27.1/29

All: -0.000+/-0.000 χ^2/NDF: 56.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8569406.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1027911.1/9

Left: 0.000+/-0.000 χ^2/NDF: 16939114.7/20

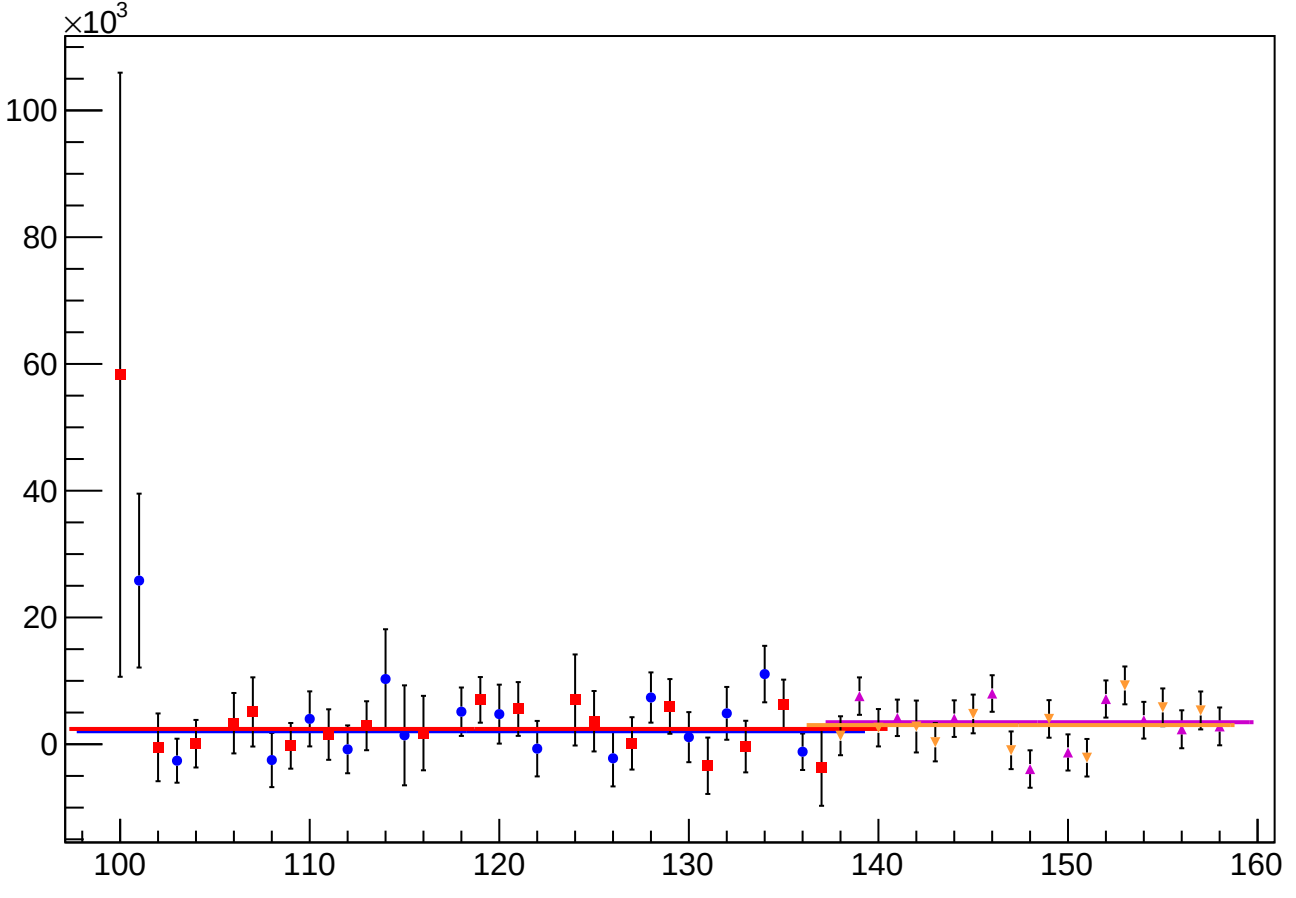
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2373643.0/25

Out: 0.000+/-0.000 χ^2/NDF:15400367.4/29

All: 0.000+/-0.000 χ^2/NDF: 28521604.3/55

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 3021.768+/-922.648 χ^2/NDF:12.2/10

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 3474.531+/-923.466 χ^2/NDF:15.3/9

Left: 3247.949+/-652.700 χ^2/NDF: 27.7/20

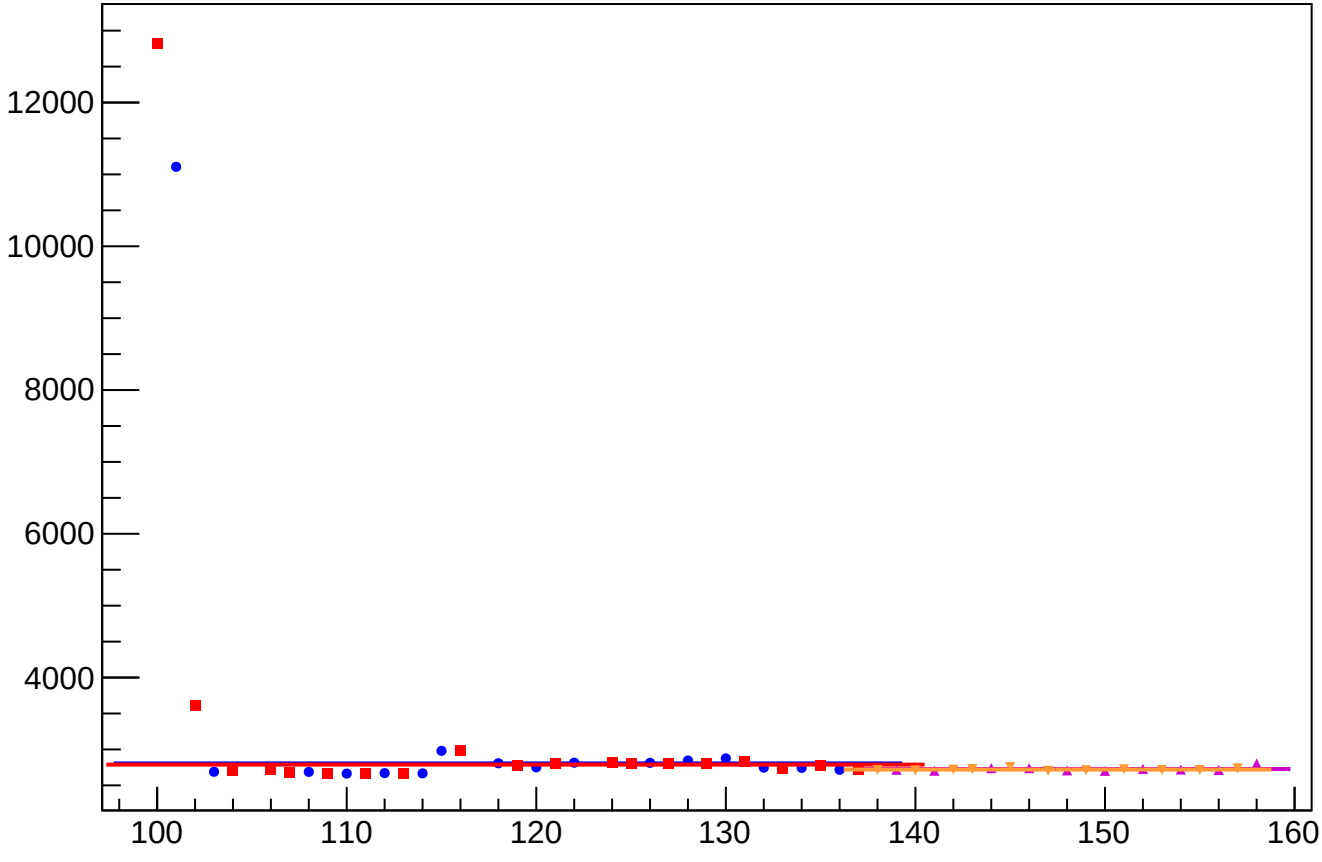
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2866.457+/-699.212 χ^2/NDF:34.1/25

Out: 2751.838+/-688.859 χ^2/NDF:23.2/29

All: 2808.293+/-490.716 χ^2/NDF: 57.3/55

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2720.180+/-0.652 χ^2/NDF:448.0/10

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

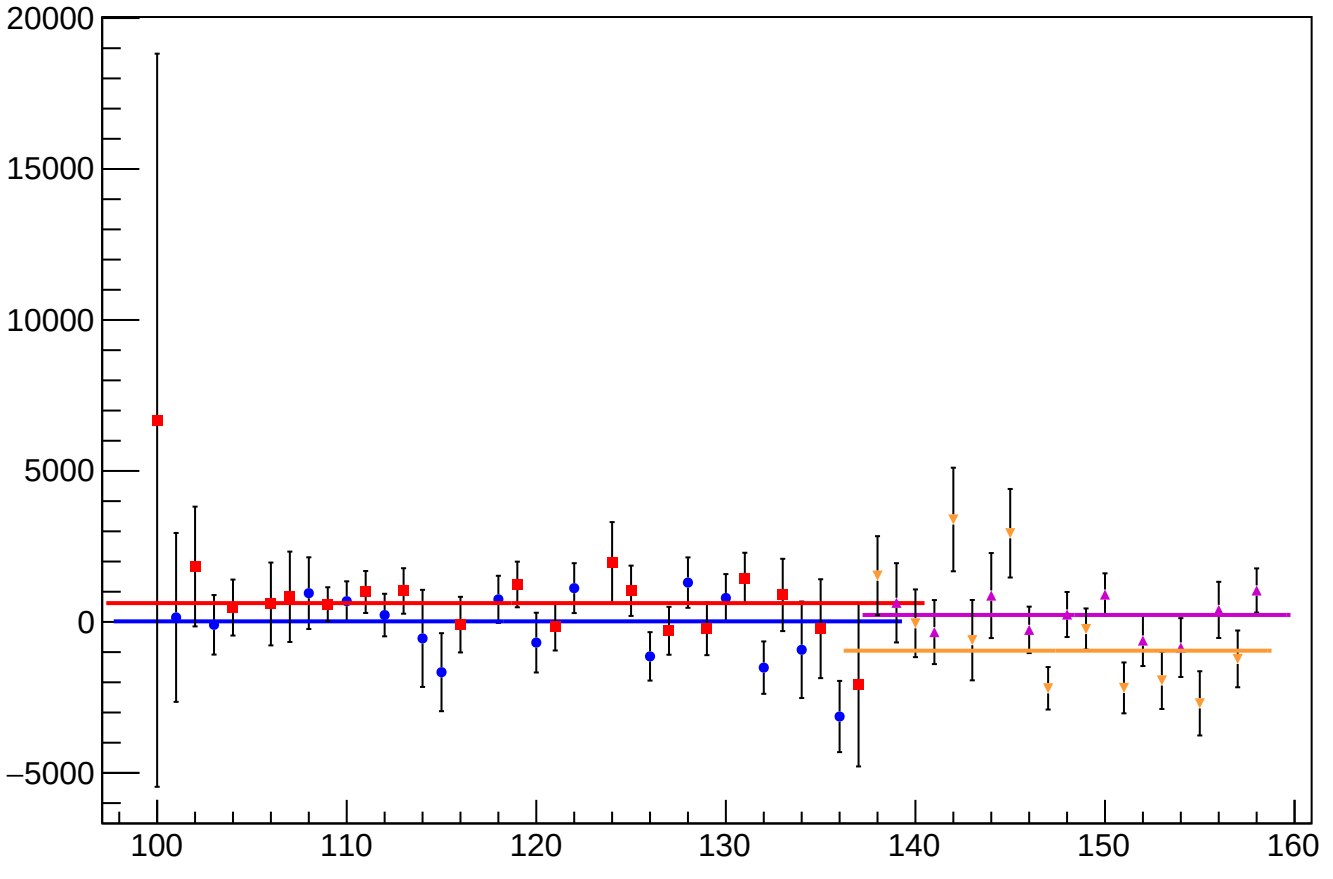
Left: 2723.903+/-0.462 χ^2/NDF: 2333.2/20

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2760.836+/-0.494 χ^2/NDF:754119.9/25

Out: 2750.558+/-0.487 χ^2/NDF:152345.3/29

All: 2755.620+/-0.347 χ^2/NDF: 906684.5/55



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -952.716+/-295.256 χ^2/NDF:28.0/10

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 230.447+/-277.716 χ^2/NDF:5.4/9

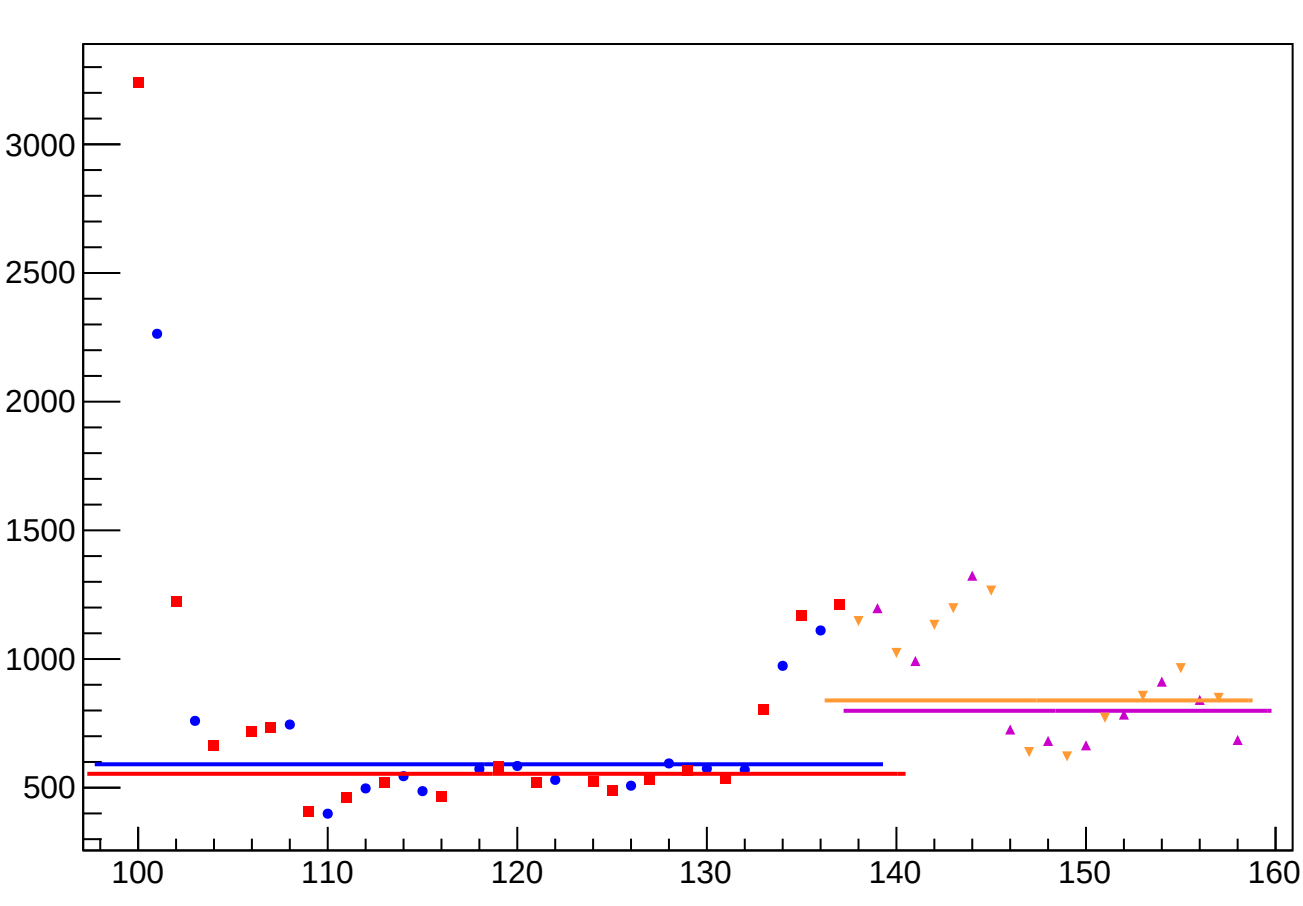
Left: -324.950+/-202.292 χ^2/NDF: 42.0/20

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 106.552+/-178.715 χ^2/NDF:28.5/25

Out: 73.922+/-174.303 χ^2/NDF:55.9/29

All: 89.829+/-124.781 χ^2/NDF: 84.4/55



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 839.138+/-0.209 χ^2/NDF:946640.1/10

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 798.860+/-0.196 χ^2/NDF:749257.1/9

Left: 817.767+/-0.143 χ^2/NDF: 1715645.5/20

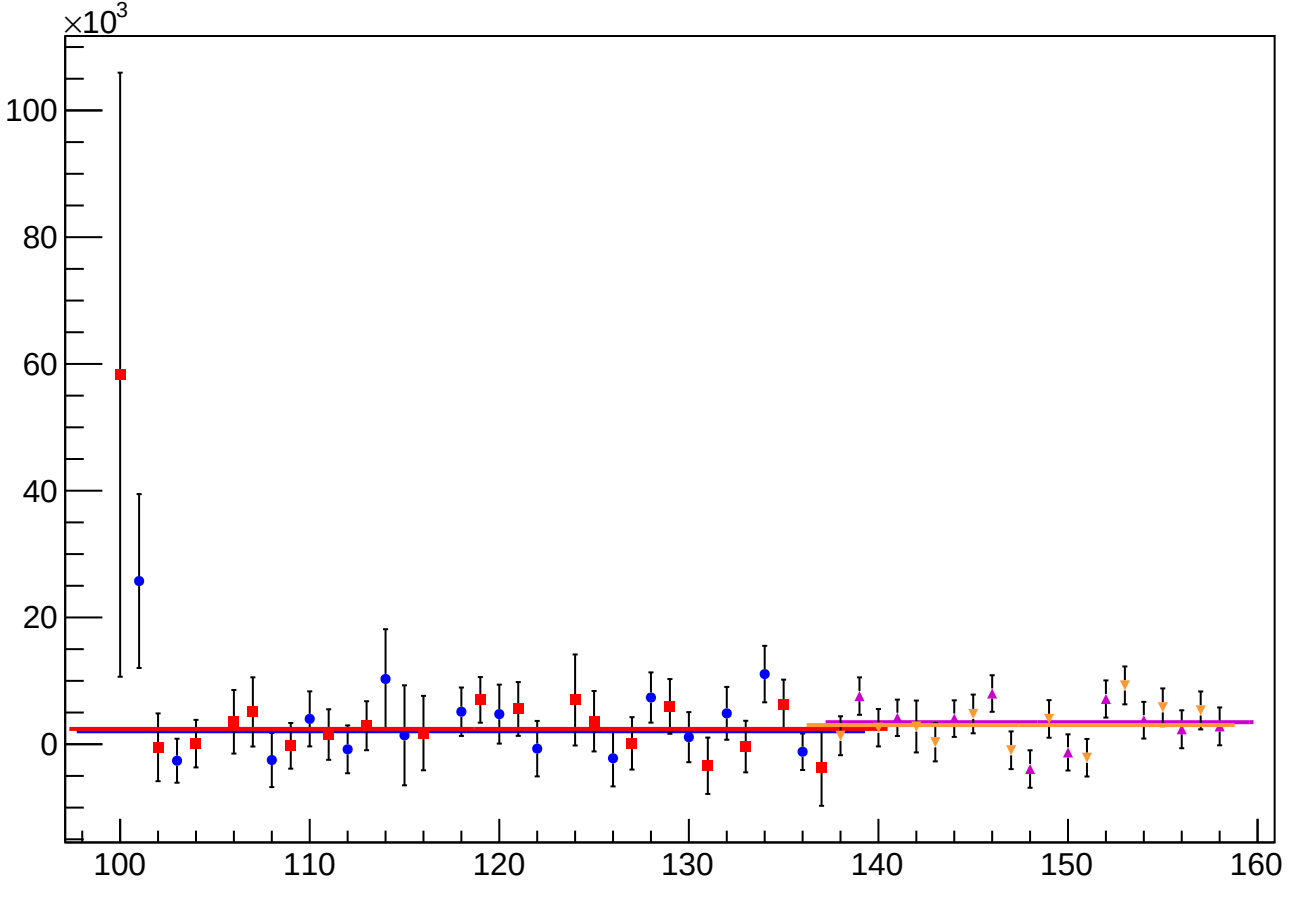
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 677.102+/-0.126 χ^2/NDF:2973079.8/25

Out: 653.361+/-0.123 χ^2/NDF:3278927.0/29

All: 664.935+/-0.088 χ^2/NDF: 6270095.1/55

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 3021.849+/-922.648 χ^2/NDF:12.2/10

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3474.617+/-923.466 χ^2/NDF:15.3/9

Left: 3248.032+/-652.700 χ^2/NDF: 27.7/20

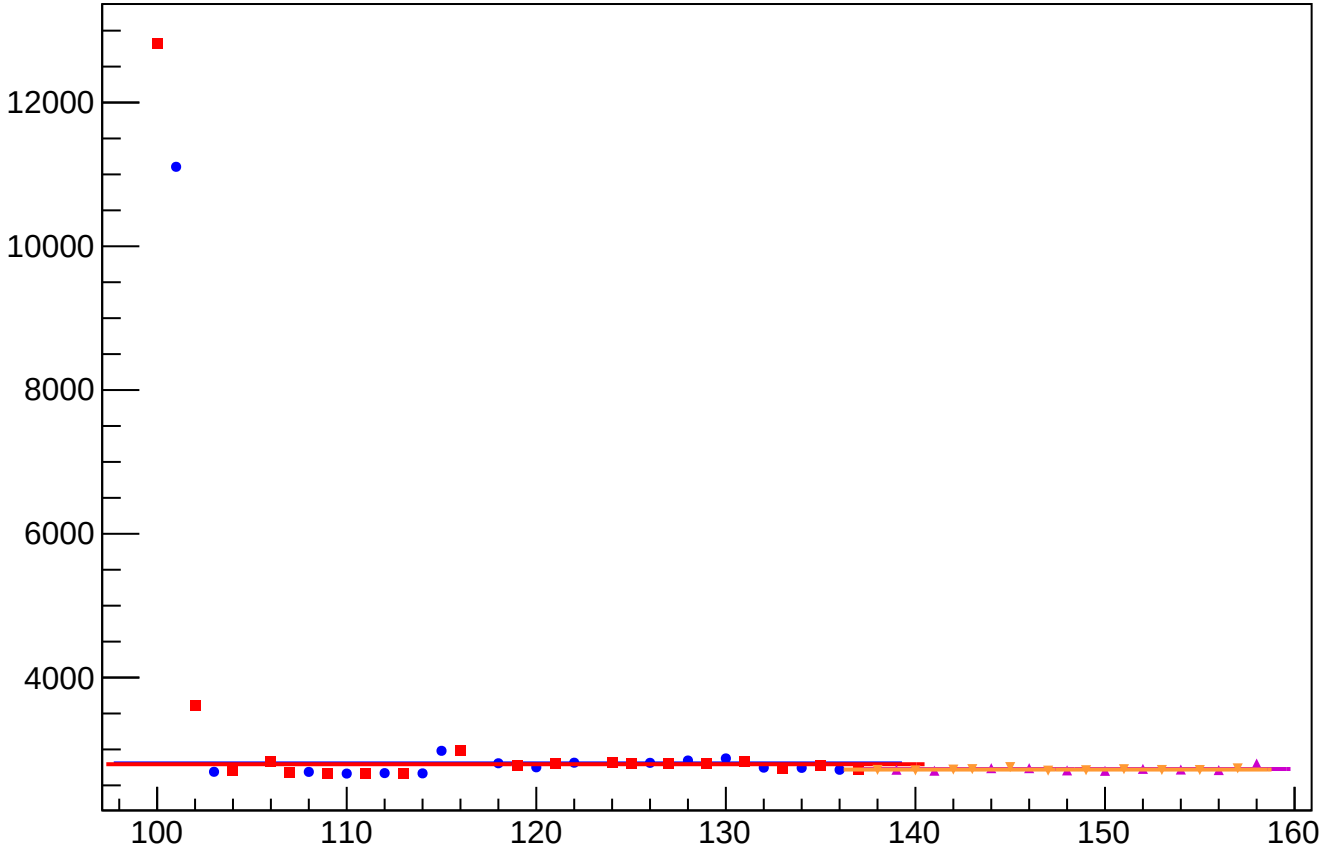
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2866.163+/-699.213 χ^2/NDF:34.1/25

Out: 2755.247+/-689.559 χ^2/NDF:23.2/29

All: 2809.934+/-490.969 χ^2/NDF: 57.3/55

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.180+/-0.652 χ^2/NDF:448.0/10

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

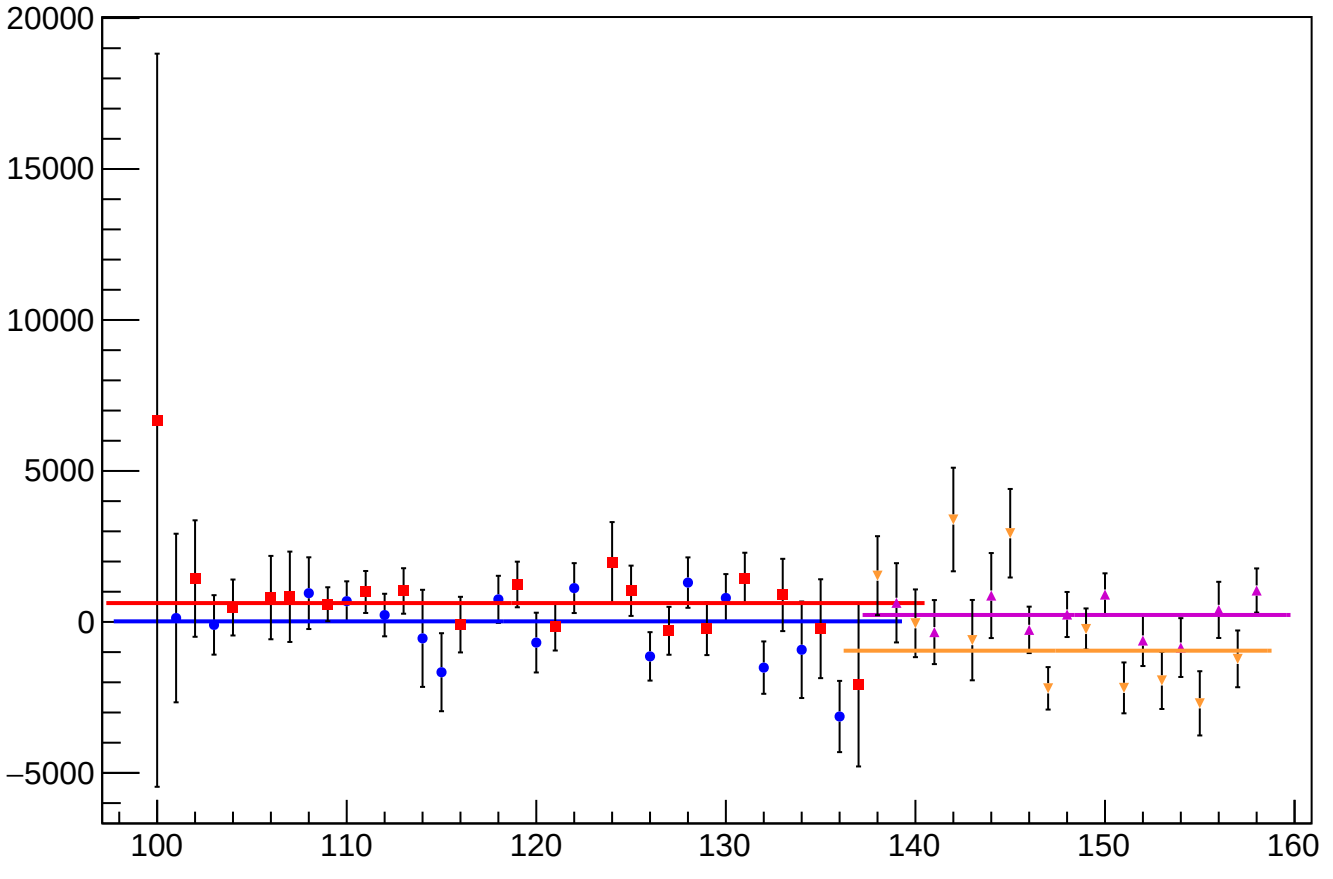
Left: 2723.903+/-0.462 χ^2/NDF: 2333.2/20

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2760.836+/-0.494 χ^2/NDF:754119.0/25

Out: 2752.836+/-0.488 χ^2/NDF:152868.1/29

All: 2756.780+/-0.347 χ^2/NDF: 907119.8/55



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -952.571+/-295.255 χ^2/NDF:28.0/10

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 230.561+/-277.715 χ^2/NDF:5.4/9

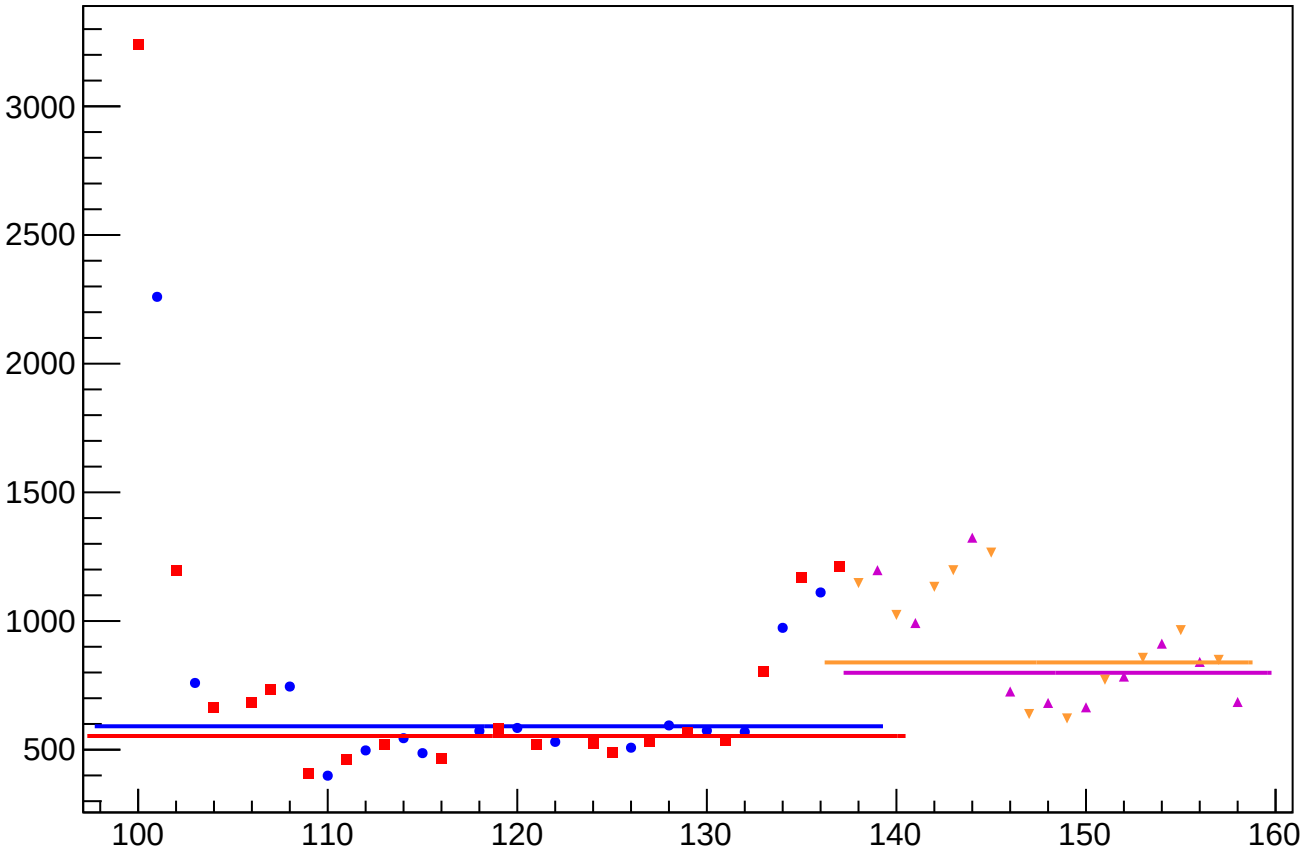
Left: -324.821+/-202.291 χ^2/NDF: 42.0/20

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 106.571+/-178.710 χ^2/NDF:28.5/25

Out: 74.848+/-174.278 χ^2/NDF:55.7/29

All: 90.311+/-124.771 χ^2/NDF: 84.2/55



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 839.134+/-0.209 χ^2/NDF:946650.6/10

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 798.856+/-0.196 χ^2/NDF:749246.6/9

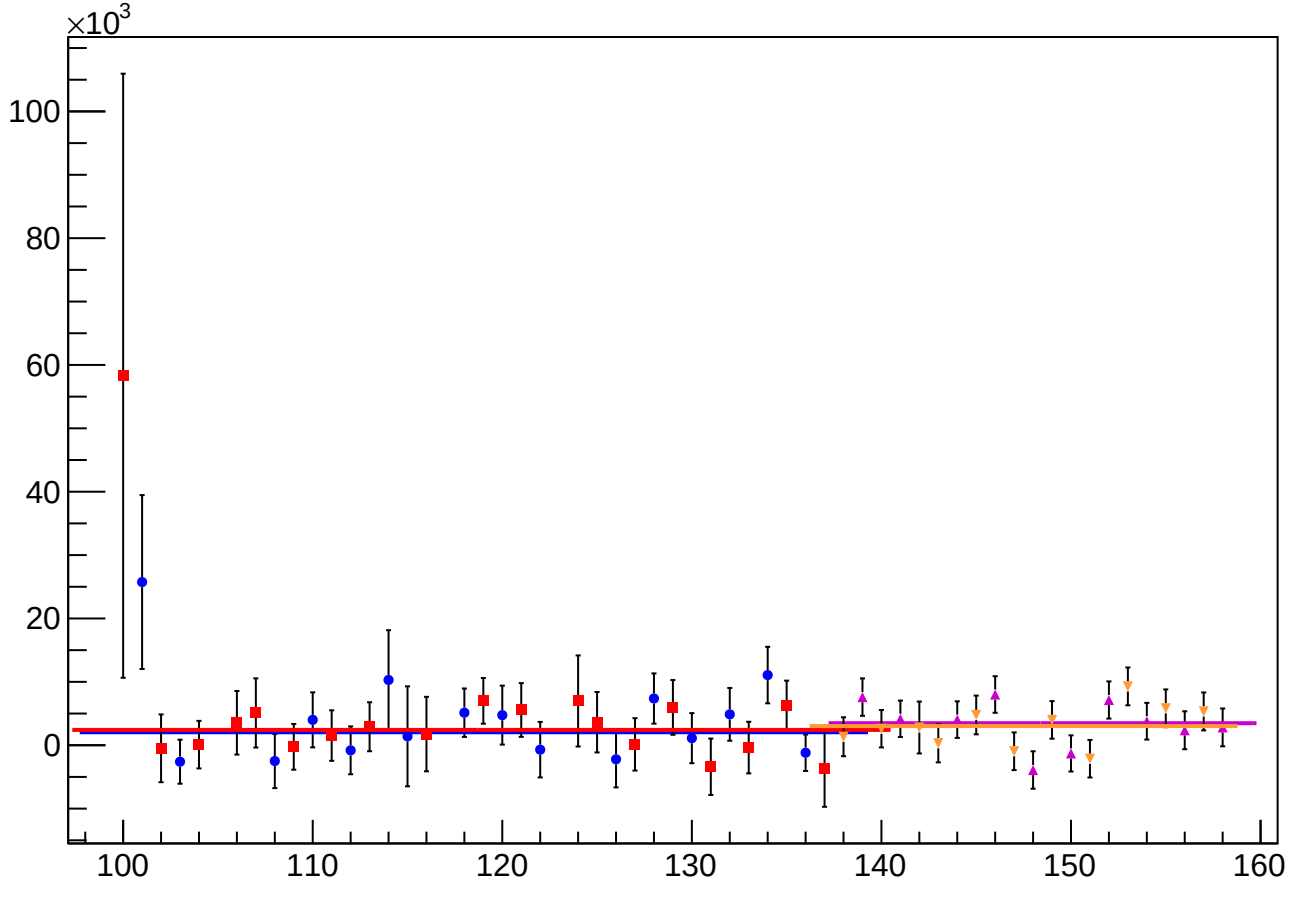
Left: 817.763+/-0.143 χ^2/NDF: 1715645.9/20

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 677.095+/-0.126 χ^2/NDF:2972056.8/25

Out: 652.844+/-0.123 χ^2/NDF:3270220.3/29

All: 664.665+/-0.088 χ^2/NDF: 6261153.4/55



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 3021.849+/-922.648 χ^2/NDF:12.2/10

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3474.617+/-923.466 χ^2/NDF:15.3/9

Left: 3248.032+/-652.700 χ^2/NDF: 27.7/20

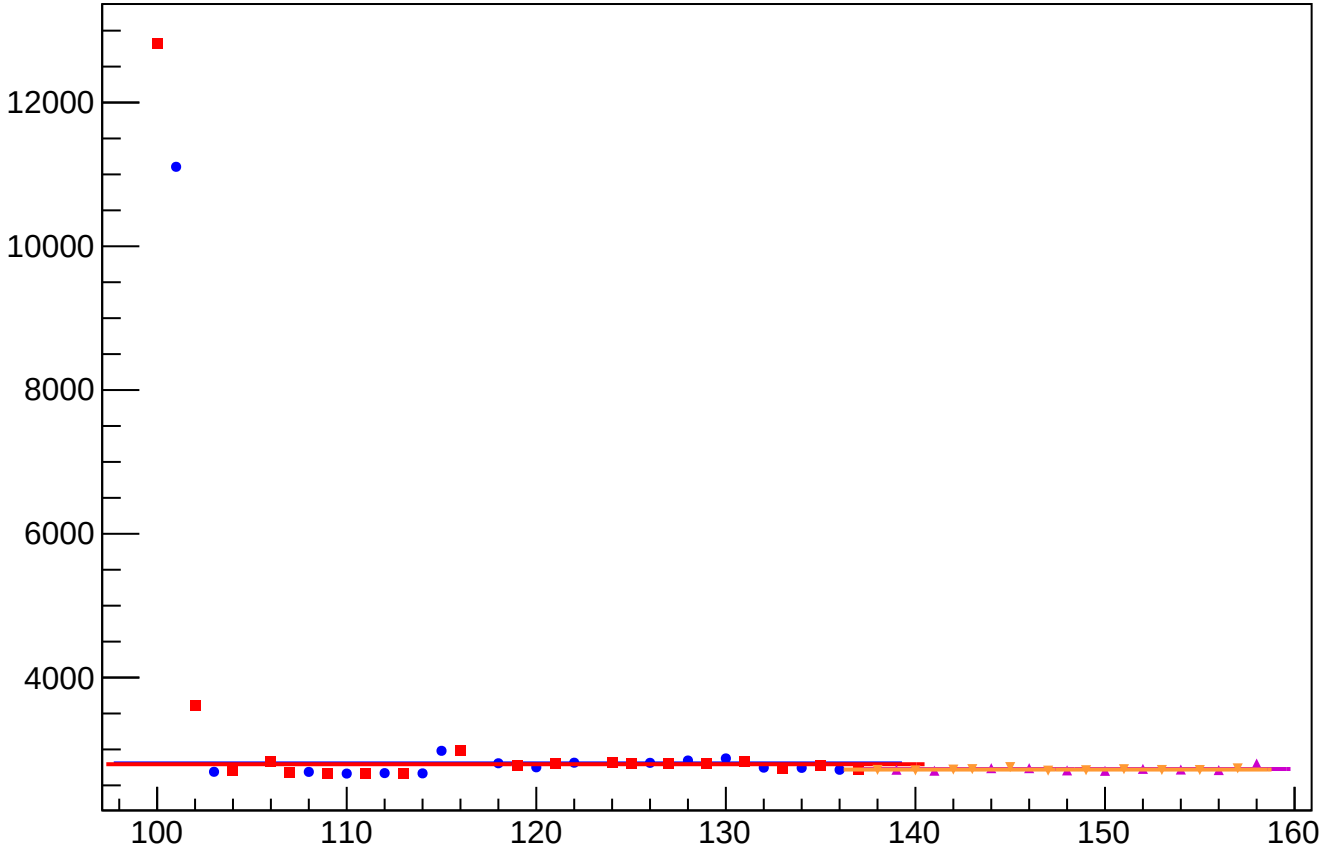
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2866.163+/-699.213 χ^2/NDF:34.1/25

Out: 2755.247+/-689.559 χ^2/NDF:23.2/29

All: 2809.934+/-490.969 χ^2/NDF: 57.3/55

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.180+/-0.652 χ^2/NDF:448.0/10

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

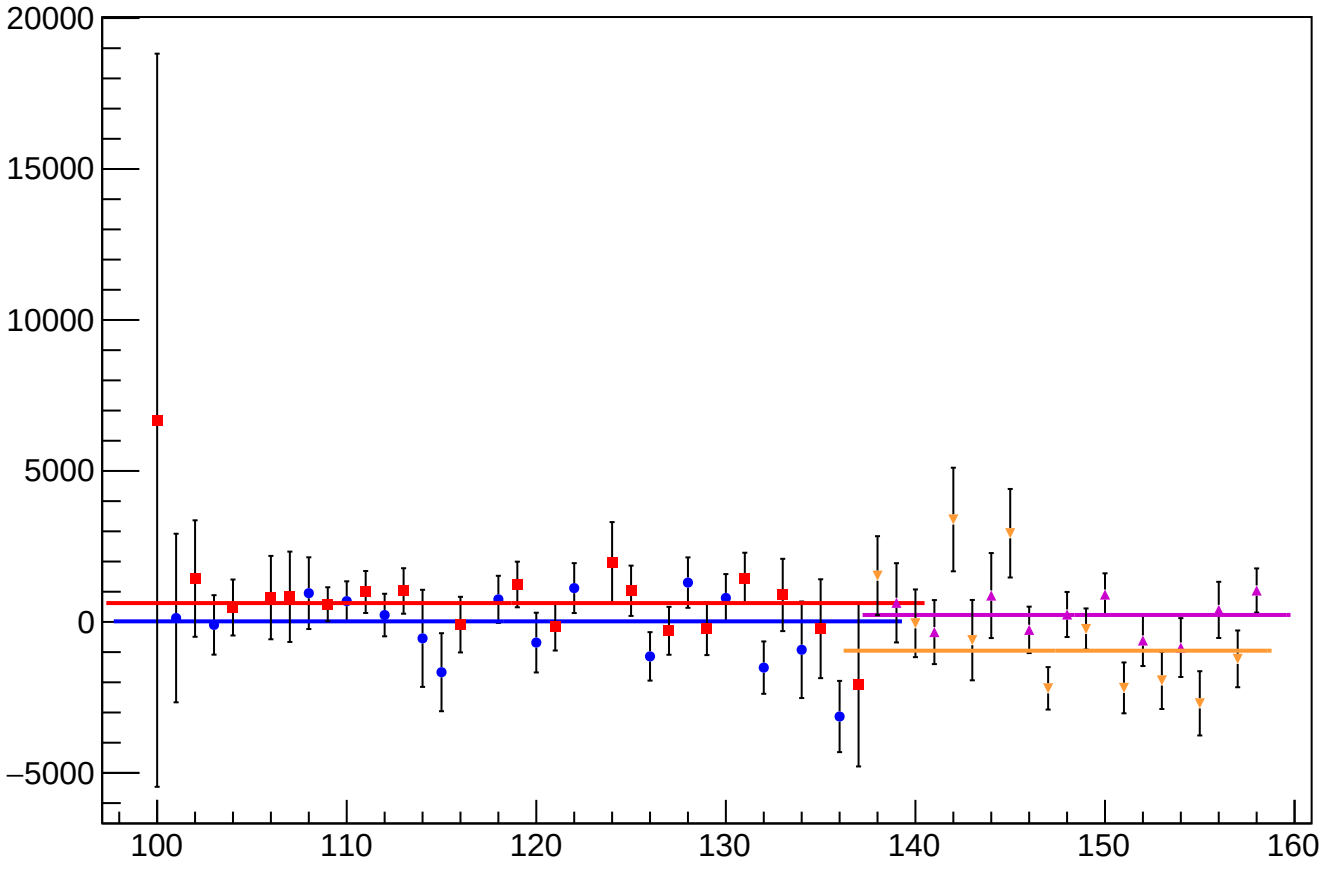
Left: 2723.903+/-0.462 χ^2/NDF: 2333.2/20

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2760.836+/-0.494 χ^2/NDF:754119.0/25

Out: 2752.836+/-0.488 χ^2/NDF:152868.1/29

All: 2756.780+/-0.347 χ^2/NDF: 907119.8/55



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -952.571+/-295.255 χ^2/NDF:28.0/10

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 230.561+/-277.715 χ^2/NDF:5.4/9

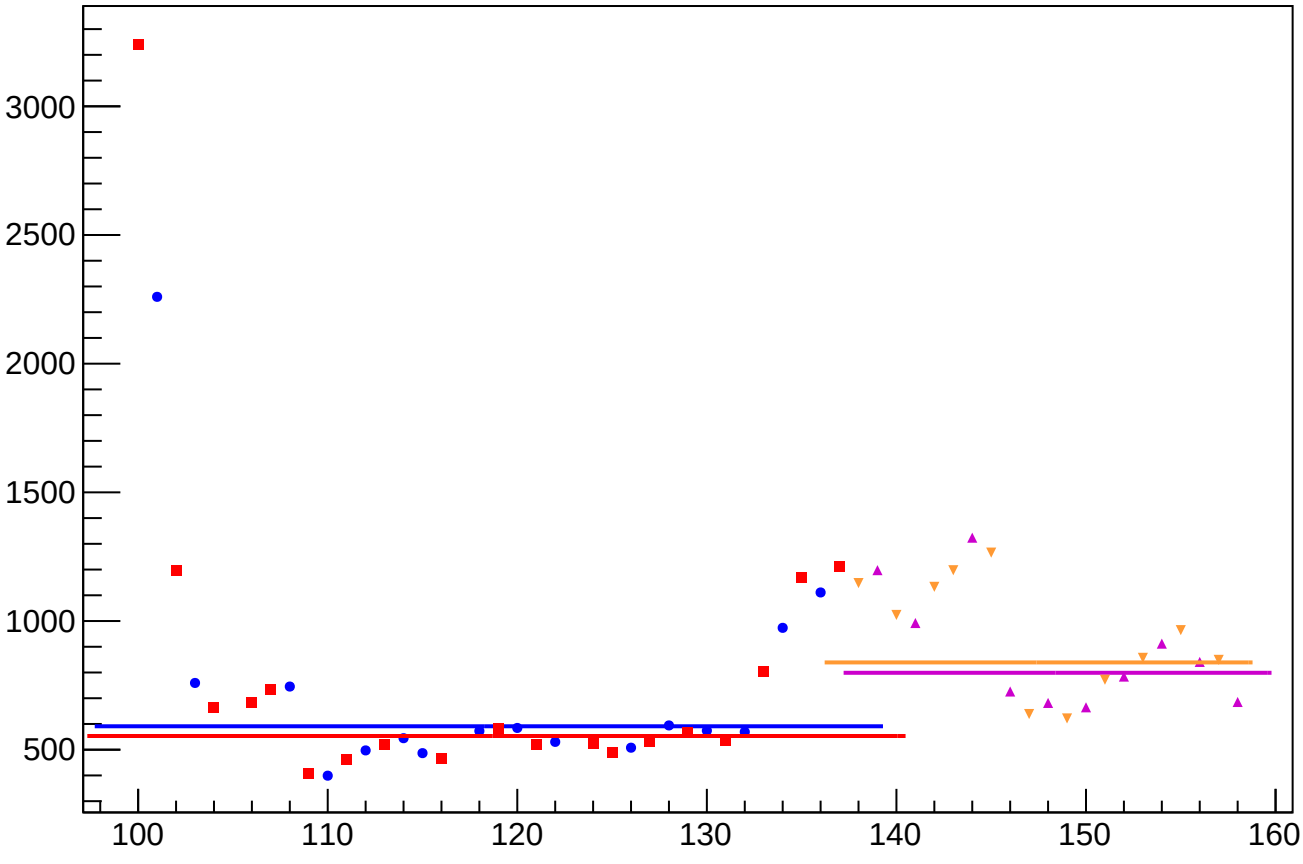
Left: -324.821+/-202.291 χ^2/NDF: 42.0/20

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 106.571+/-178.710 χ^2/NDF:28.5/25

Out: 74.848+/-174.278 χ^2/NDF:55.7/29

All: 90.311+/-124.771 χ^2/NDF: 84.2/55



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 839.134+/-0.209 χ^2/NDF:946650.6/10

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 798.856+/-0.196 χ^2/NDF:749246.6/9

Left: 817.763+/-0.143 χ^2/NDF: 1715645.9/20

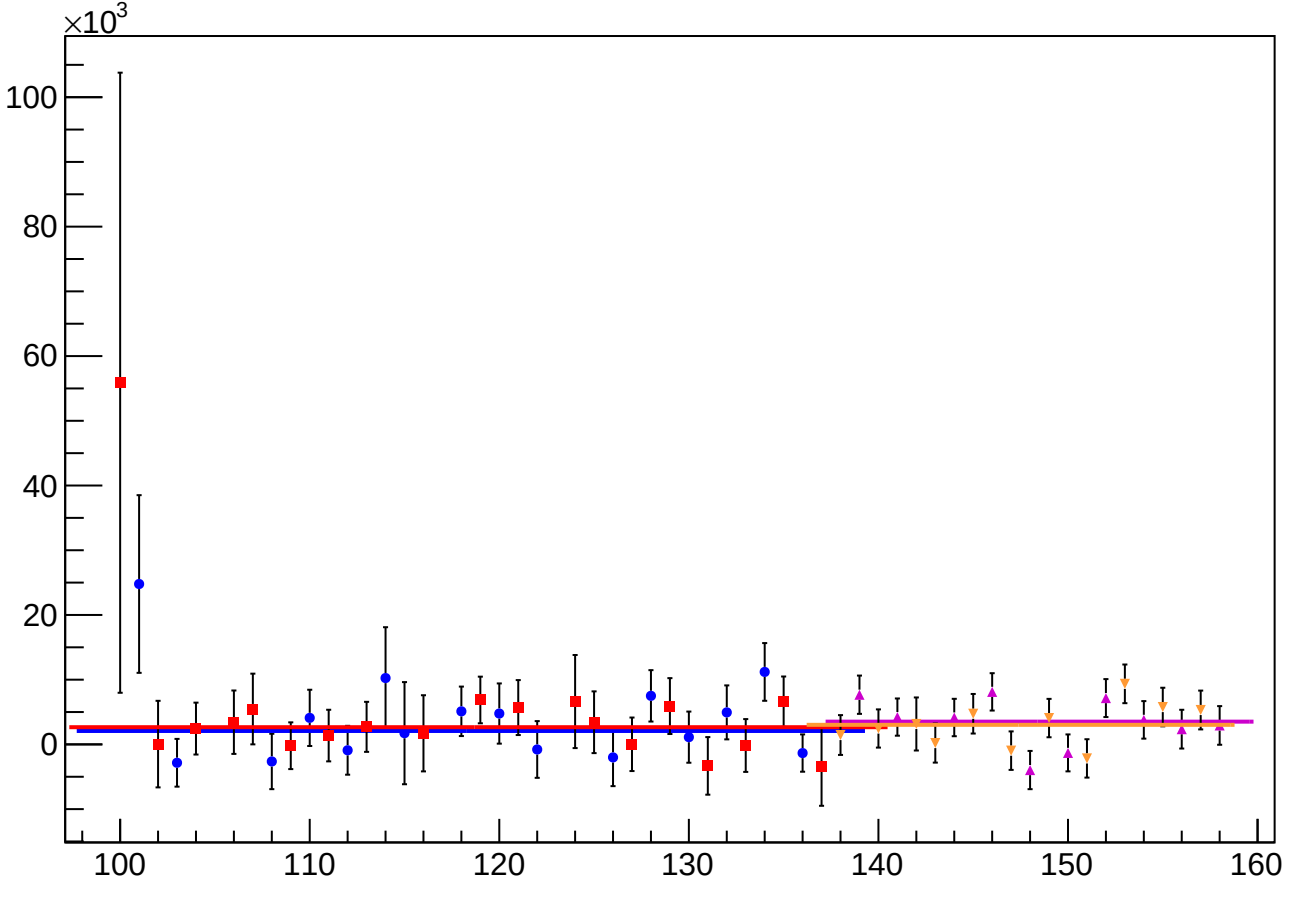
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 677.095+/-0.126 χ^2/NDF:2972056.8/25

Out: 652.844+/-0.123 χ^2/NDF:3270220.3/29

All: 664.665+/-0.088 χ^2/NDF: 6261153.4/55

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 3024.194+/-923.406 χ^2/NDF:12.4/10

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3515.300+/-924.069 χ^2/NDF:15.6/9

Left: 3269.570+/-653.181 χ^2/NDF: 28.2/20

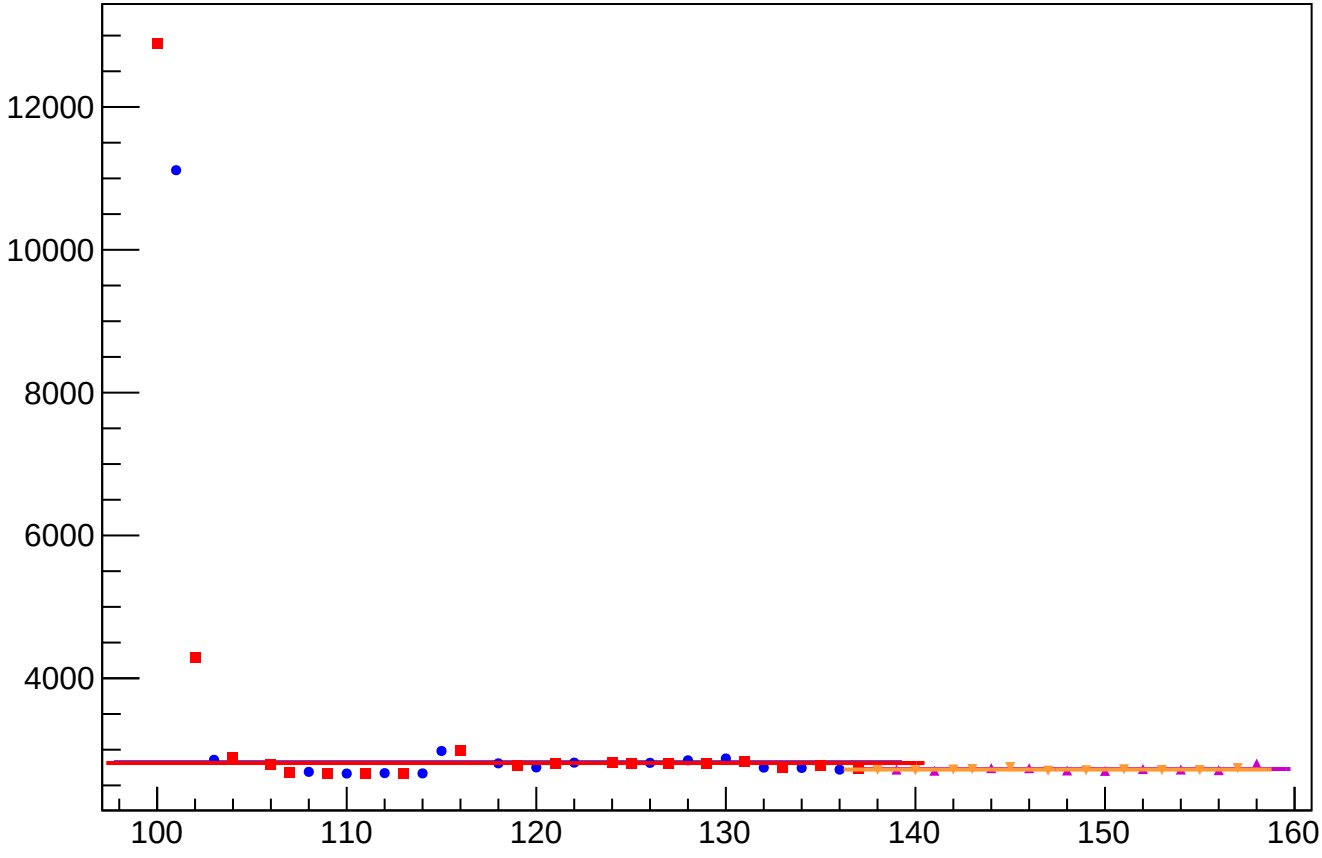
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2904.605+/-701.358 χ^2/NDF:34.5/25

Out: 2864.165+/-693.370 χ^2/NDF:22.4/29

All: 2884.153+/-493.086 χ^2/NDF: 56.9/55

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2722.404+/-0.653 χ^2/NDF:496.4/10

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2729.402+/-0.653 χ^2/NDF:1831.3/9

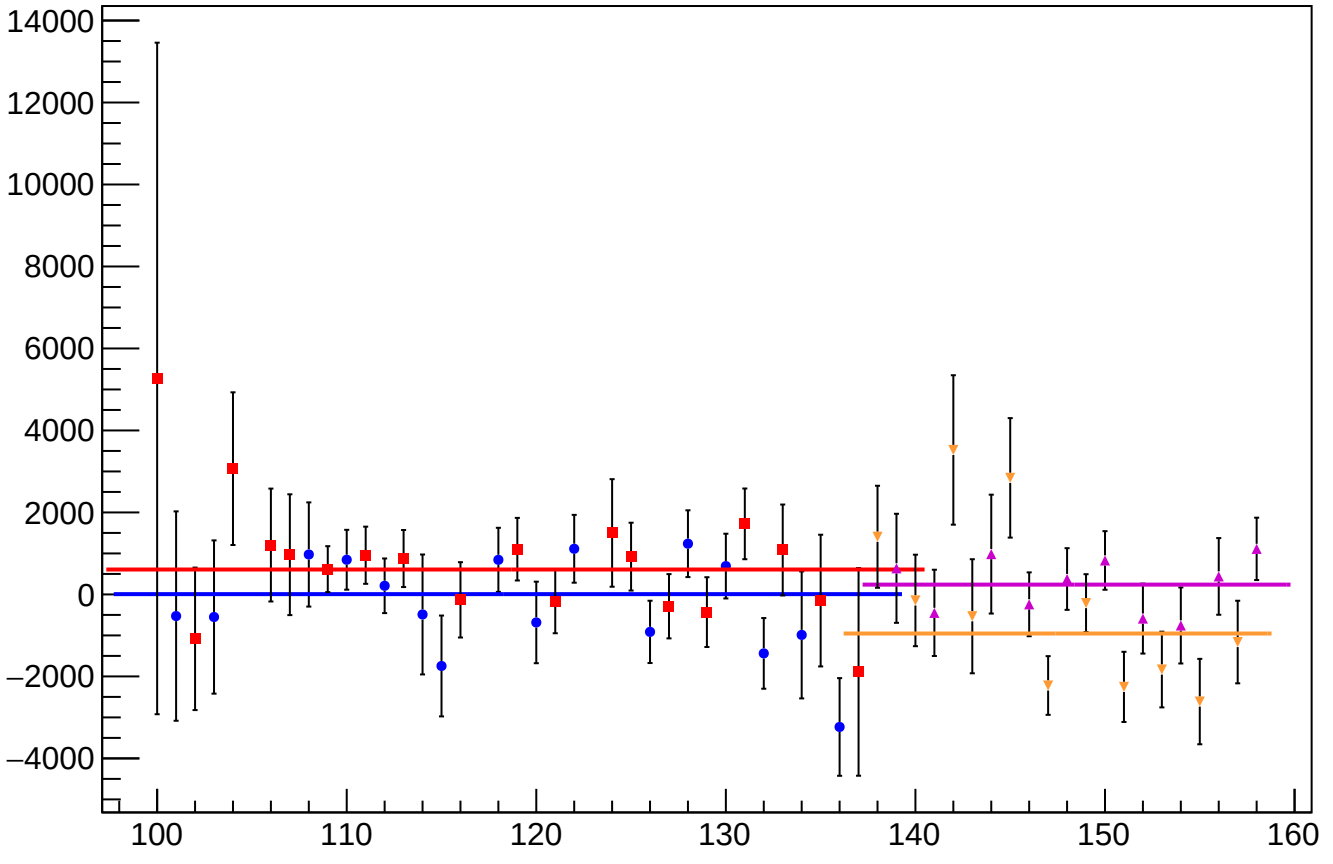
Left: 2725.901+/-0.462 χ^2/NDF: 2385.0/20

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2769.271+/-0.496 χ^2/NDF:754529.7/25

Out: 2762.278+/-0.490 χ^2/NDF:209558.1/29

All: 2765.735+/-0.349 χ^2/NDF: 964188.3/55



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -953.489+/-299.566 χ^2/NDF:27.1/10

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 239.240+/-280.348 χ^2/NDF:5.3/9

Left: -317.641+/-204.693 χ^2/NDF: 40.9/20

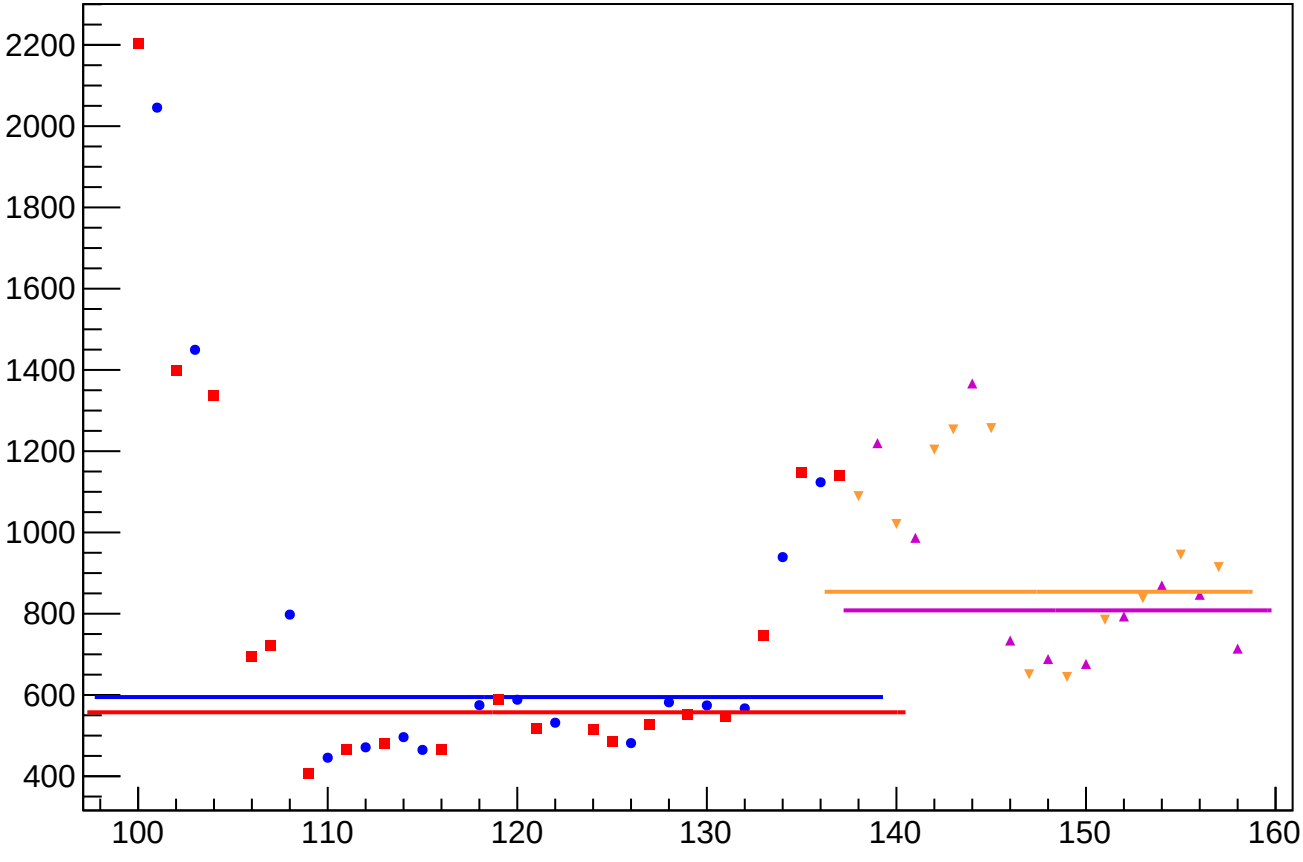
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 104.041+/-181.194 χ^2/NDF:28.5/25

Out: 70.086+/-175.787 χ^2/NDF:57.0/29

All: 86.550+/-126.168 χ^2/NDF: 85.6/55

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 854.035+/-0.212 χ^2/NDF:881390.7/10

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 808.232+/-0.198 χ^2/NDF:726082.2/9

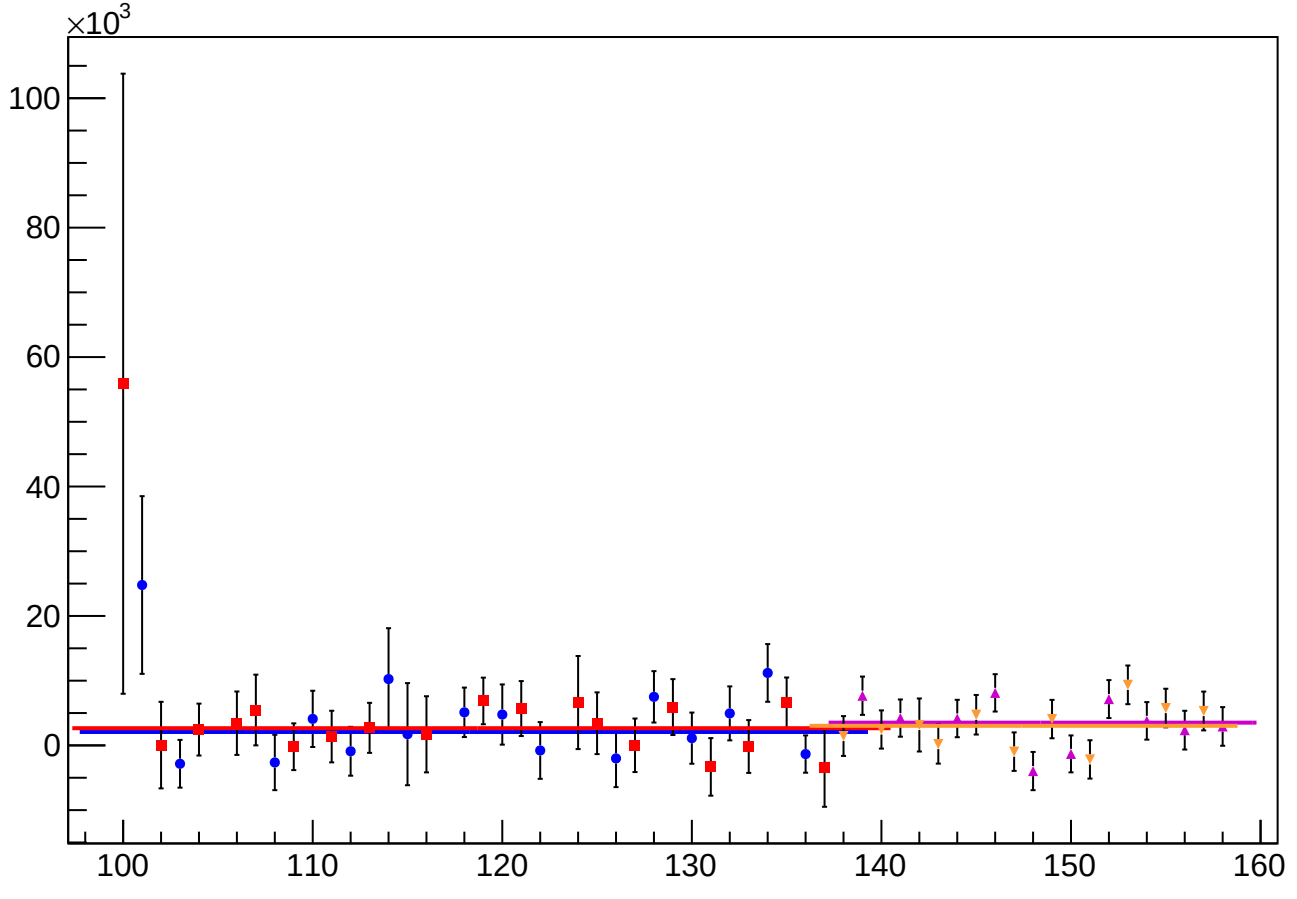
Left: 829.618+/-0.145 χ^2/NDF: 1632398.6/20

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 683.990+/-0.128 χ^2/NDF:3253336.9/25

Out: 659.541+/-0.124 χ^2/NDF:3798513.4/29

All: 671.395+/-0.089 χ^2/NDF: 7070608.5/55



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 3024.194+/-923.406 χ^2/NDF:12.4/10

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3515.300+/-924.069 χ^2/NDF:15.6/9

Left: 3269.571+/-653.181 χ^2/NDF: 28.2/20

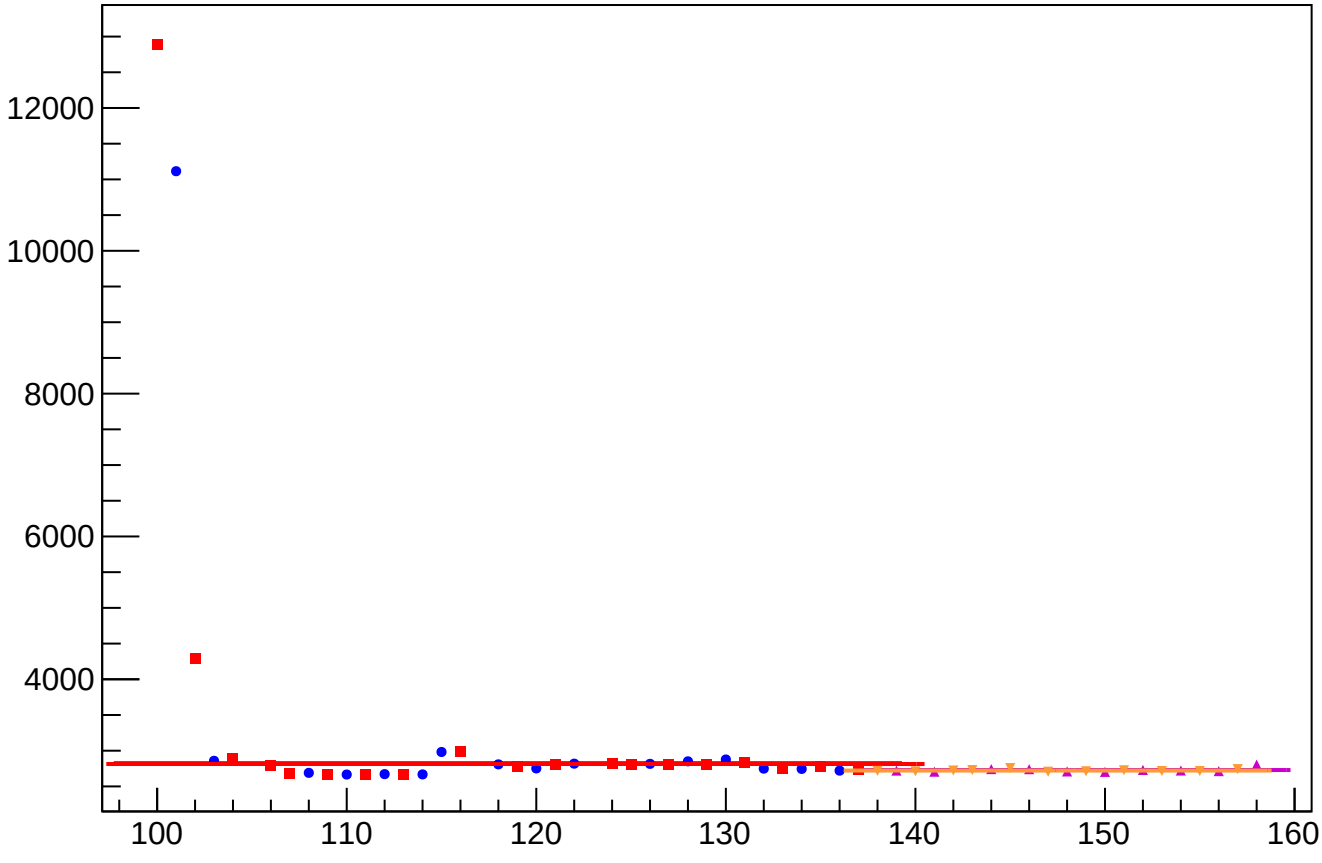
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2904.605+/-701.358 χ^2/NDF:34.5/25

Out: 2864.164+/-693.370 χ^2/NDF:22.4/29

All: 2884.153+/-493.086 χ^2/NDF: 56.9/55

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2722.404+/-0.653 χ^2/NDF:496.4/10

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2729.402+/-0.653 χ^2/NDF:1831.3/9

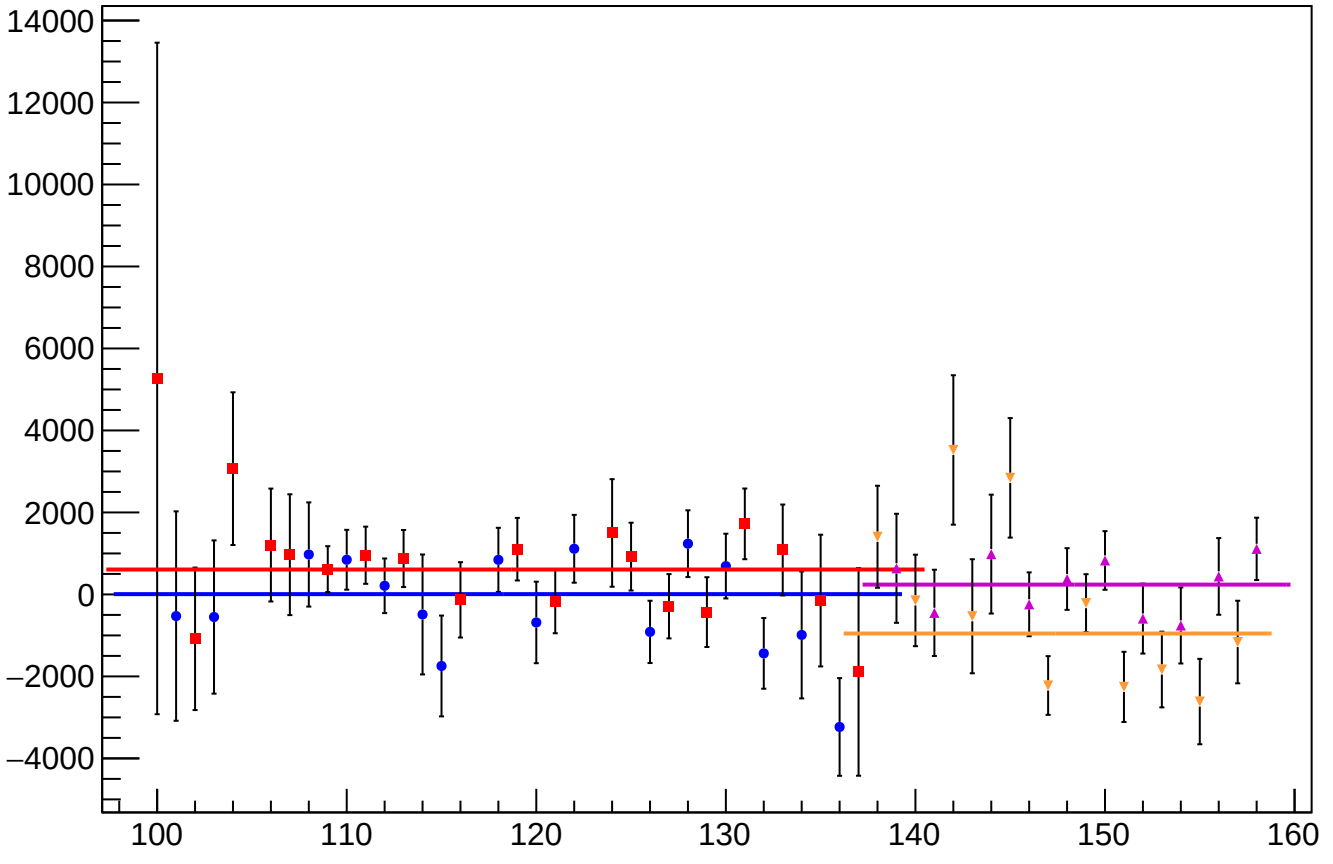
Left: 2725.901+/-0.462 χ^2/NDF: 2385.0/20

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2769.271+/-0.496 χ^2/NDF:754529.6/25

Out: 2762.278+/-0.490 χ^2/NDF:209557.9/29

All: 2765.735+/-0.349 χ^2/NDF: 964188.1/55



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -953.490+/-299.567 χ^2/NDF:27.1/10

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 239.241+/-280.348 χ^2/NDF:5.3/9

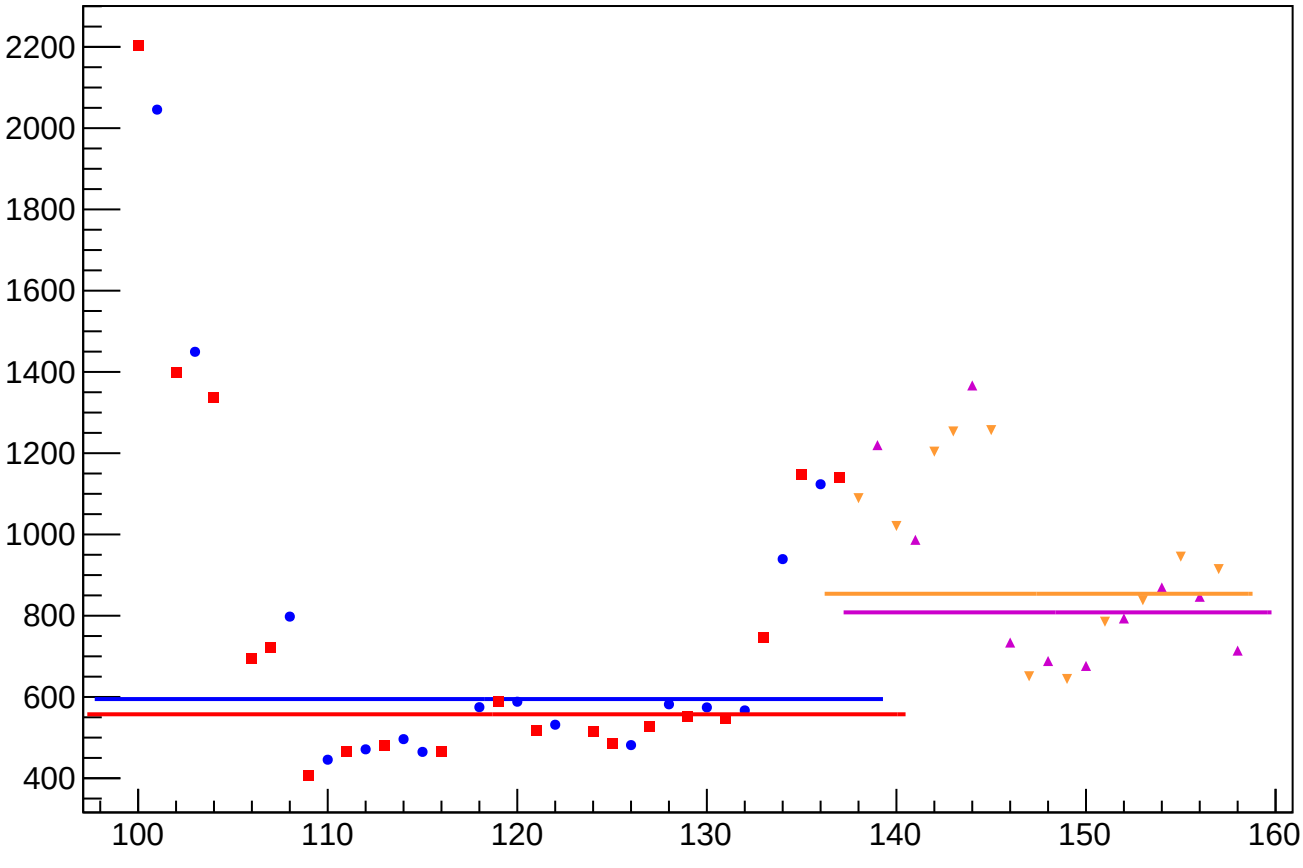
Left: -317.641+/-204.693 χ^2/NDF: 40.9/20

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 104.042+/-181.194 χ^2/NDF:28.5/25

Out: 70.086+/-175.787 χ^2/NDF:57.0/29

All: 86.550+/-126.168 χ^2/NDF: 85.6/55



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 854.036+/-0.212 χ^2/NDF:881391.0/10

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 808.232+/-0.198 χ^2/NDF:726083.6/9

Left: 829.618+/-0.145 χ^2/NDF: 1632400.7/20

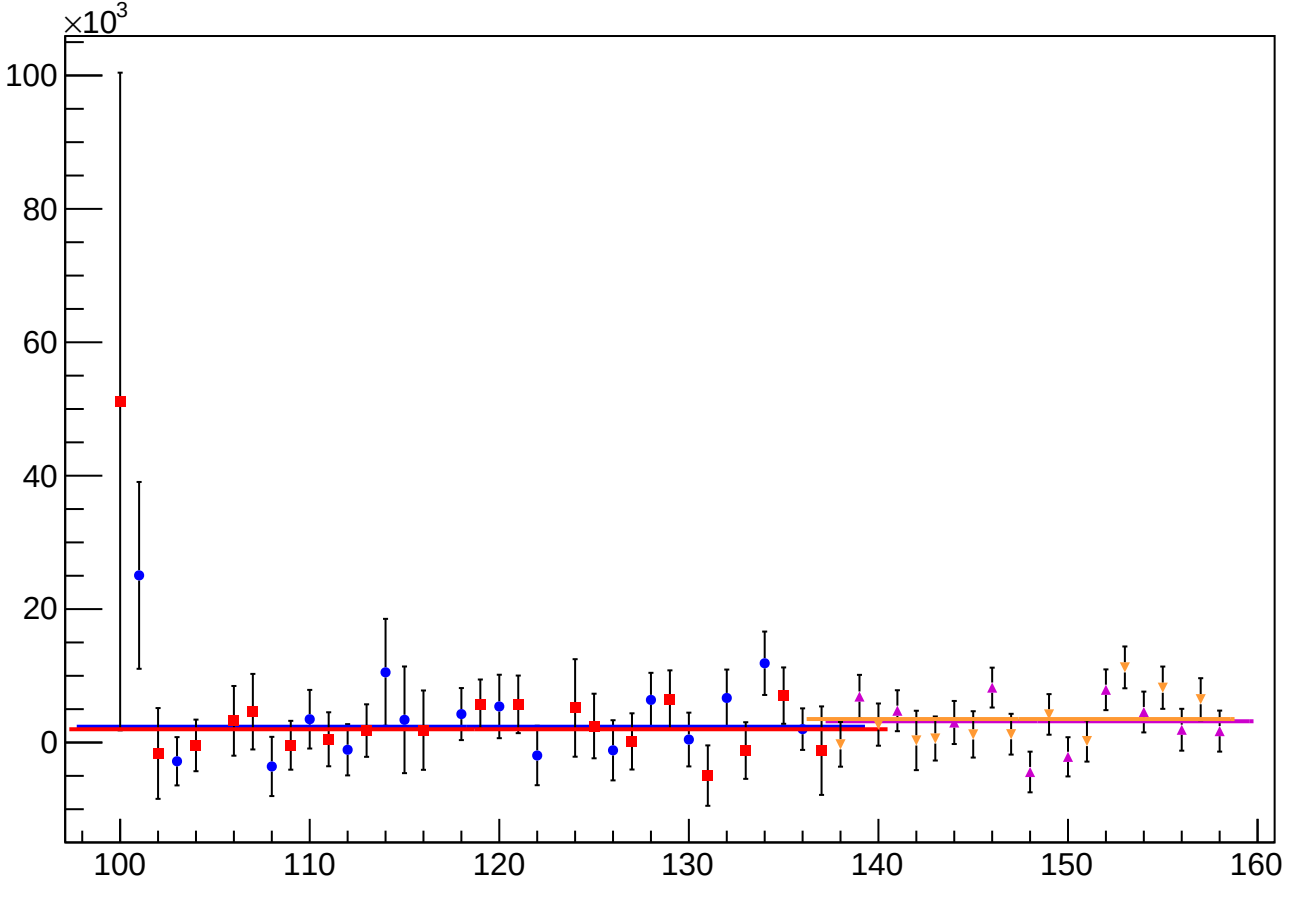
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 683.990+/-0.128 χ^2/NDF:3253329.5/25

Out: 659.541+/-0.124 χ^2/NDF:3798511.1/29

All: 671.396+/-0.089 χ^2/NDF: 7070598.9/55

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3518.058+/-982.463 χ^2/NDF:14.0/10

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 3185.487+/-974.324 χ^2/NDF:16.9/9

Left: 3350.389+/-691.811 χ^2/NDF: 31.0/20

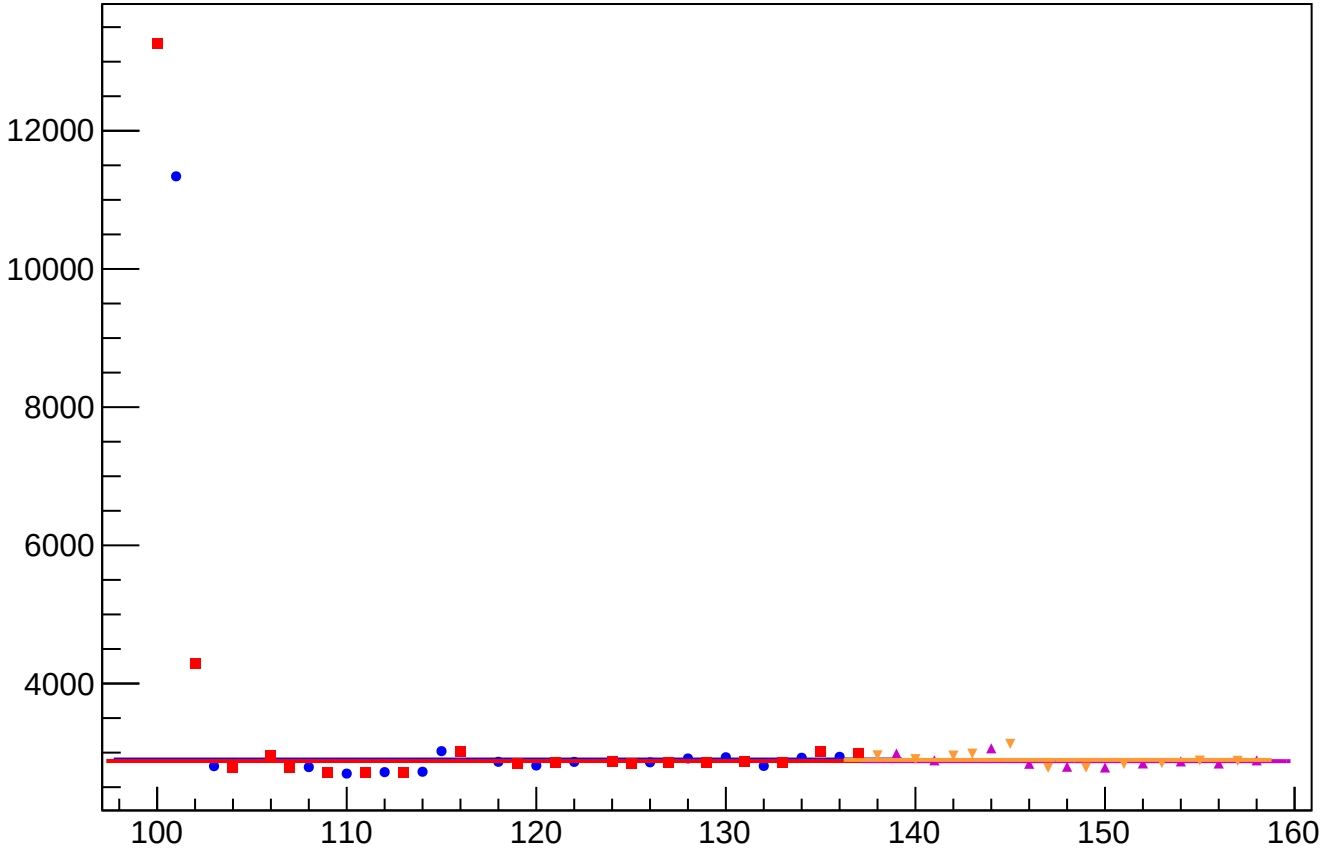
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2827.993+/-731.155 χ^2/NDF:34.1/25

Out: 2821.488+/-725.314 χ^2/NDF:25.4/29

All: 2824.714+/-514.927 χ^2/NDF: 59.5/55

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2894.433+/-0.695 χ^2/NDF:18391.2/10

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2876.602+/-0.689 χ^2/NDF:13142.2/9

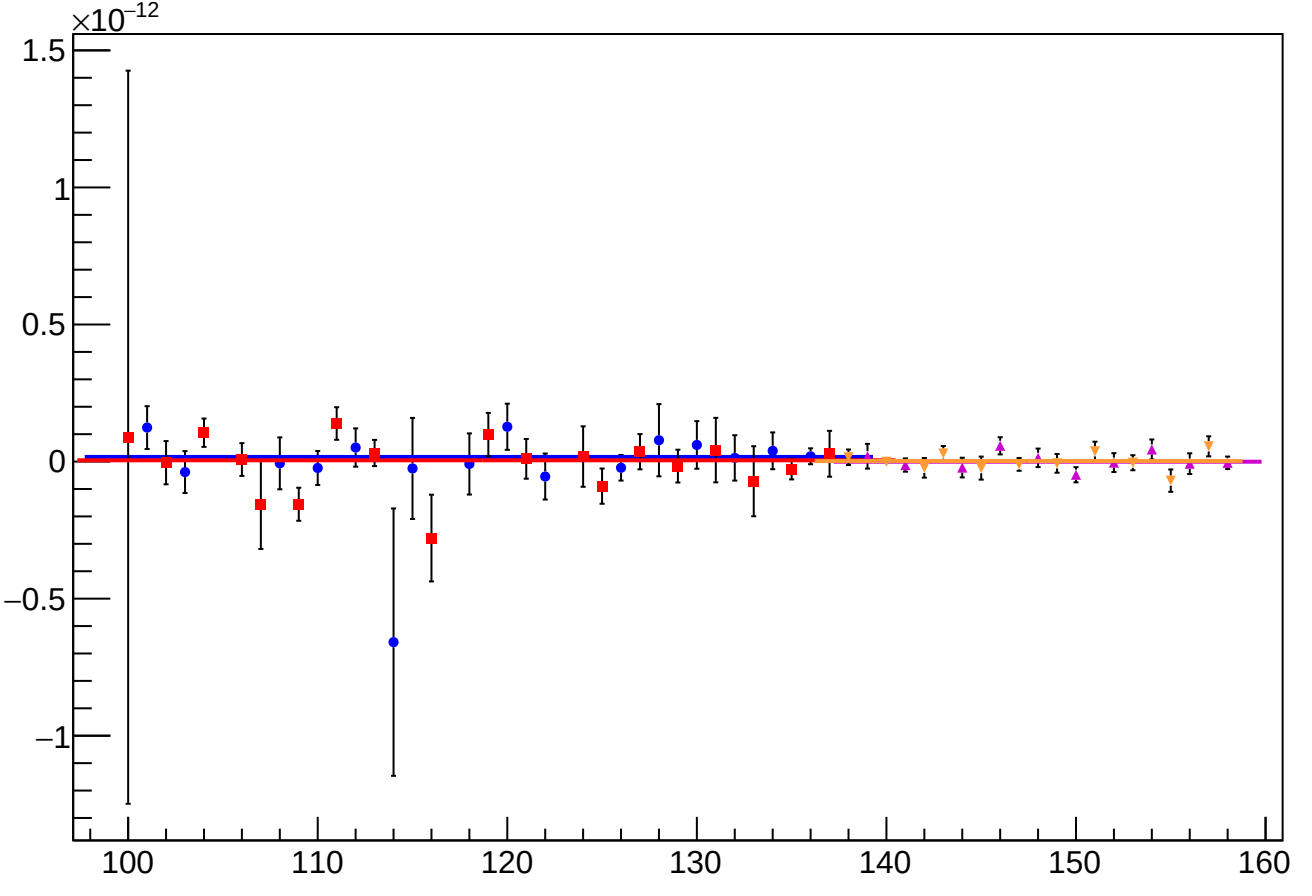
Left: 2885.444+/-0.489 χ^2/NDF: 31865.6/20

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2886.748+/-0.517 χ^2/NDF:755456.9/25

Out: 2887.392+/-0.513 χ^2/NDF:211899.4/29

All: 2887.073+/-0.364 χ^2/NDF: 967357.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

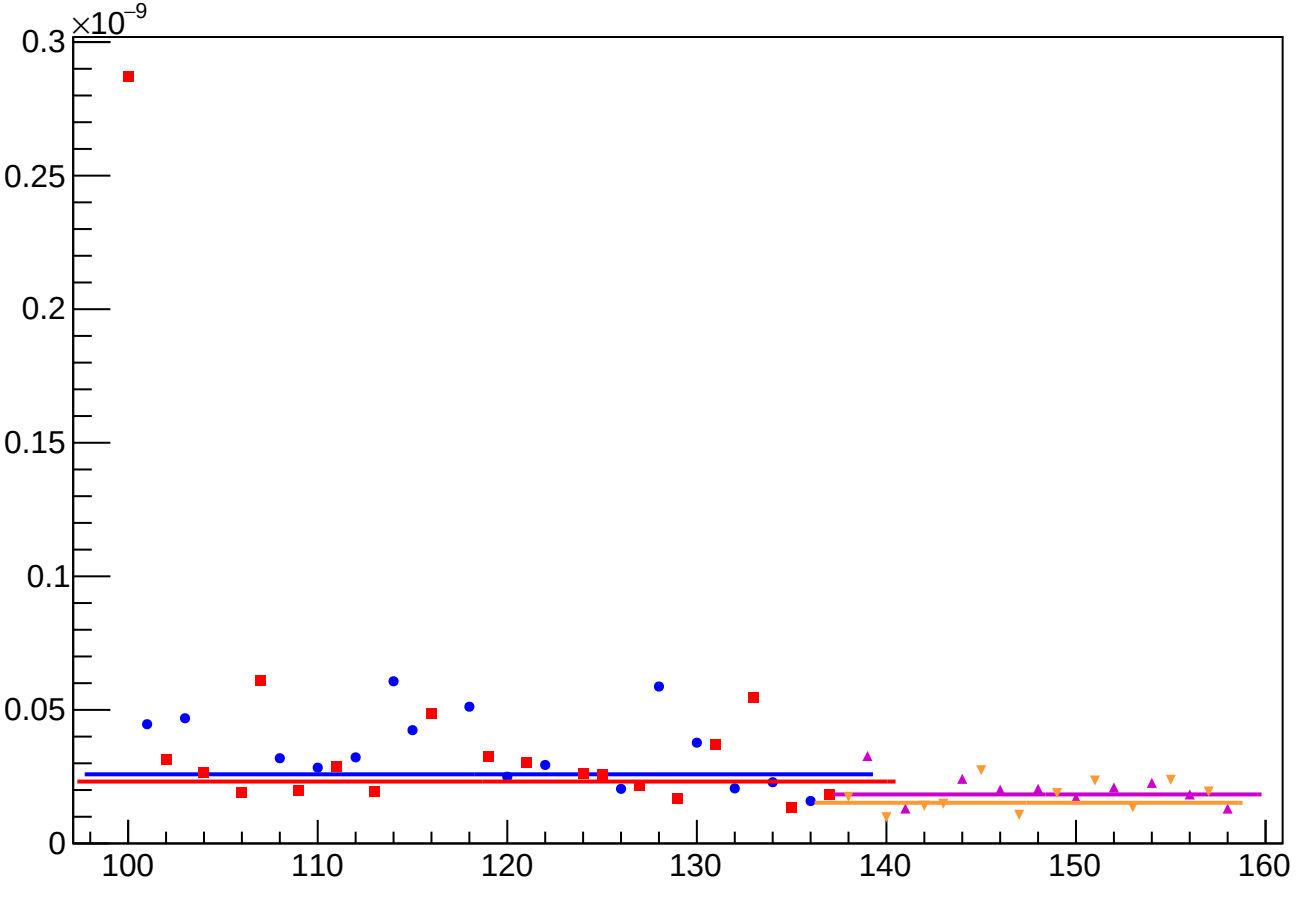
Left: 0.000+/-0.000 χ^2/NDF: 17.7/20

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:18.6/25

Out: 0.000+/-0.000 χ^2/NDF:34.5/29

All: 0.000+/-0.000 χ^2/NDF: 53.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:688793.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:517355.2/9

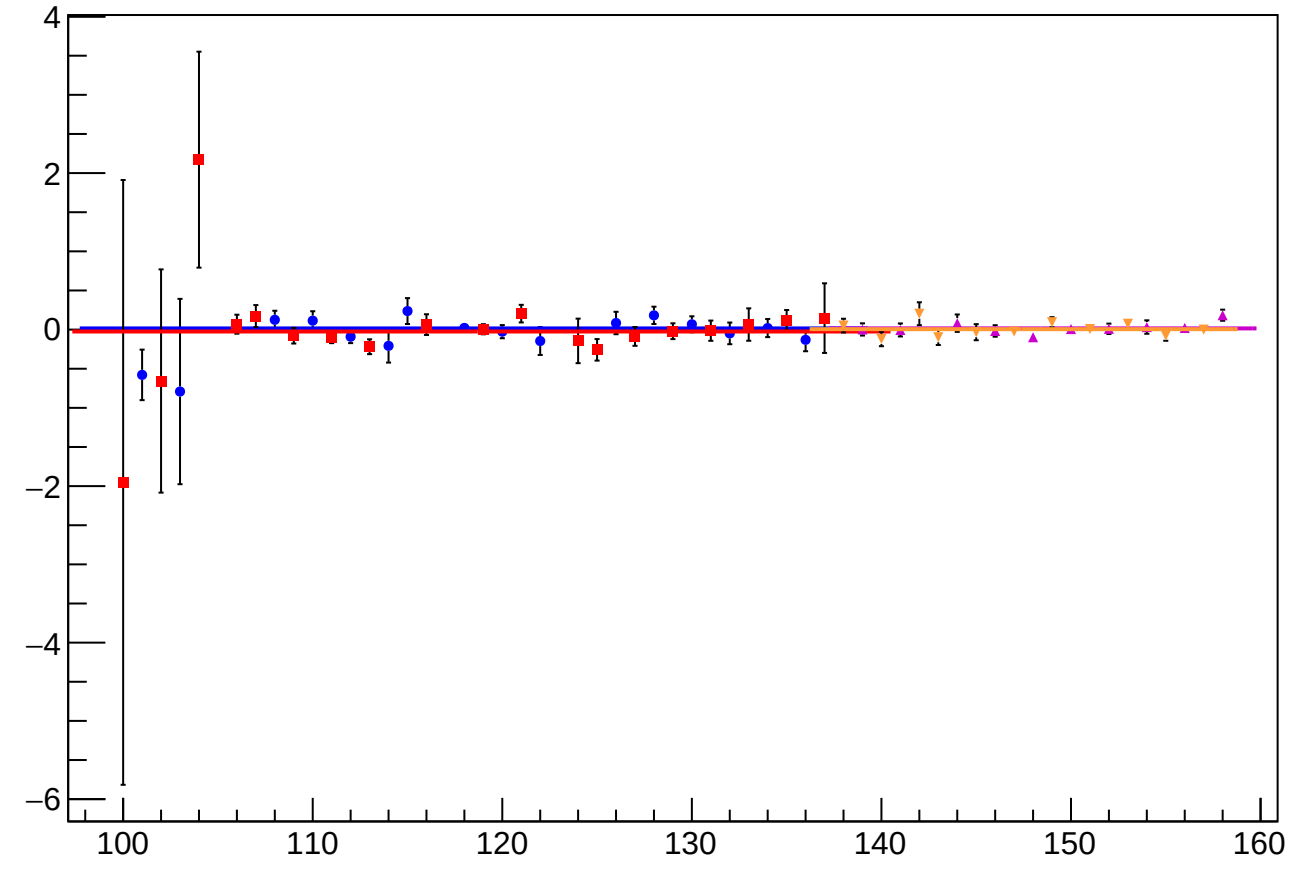
Left: 0.000+/-0.000 χ^2/NDF: 1319137.5/20

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1680661.2/25

Out: 0.000+/-0.000 χ^2/NDF:1769237.9/29

All: 0.000+/-0.000 χ^2/NDF: 3601374.3/55



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.023 χ^2/NDF:9.5/9

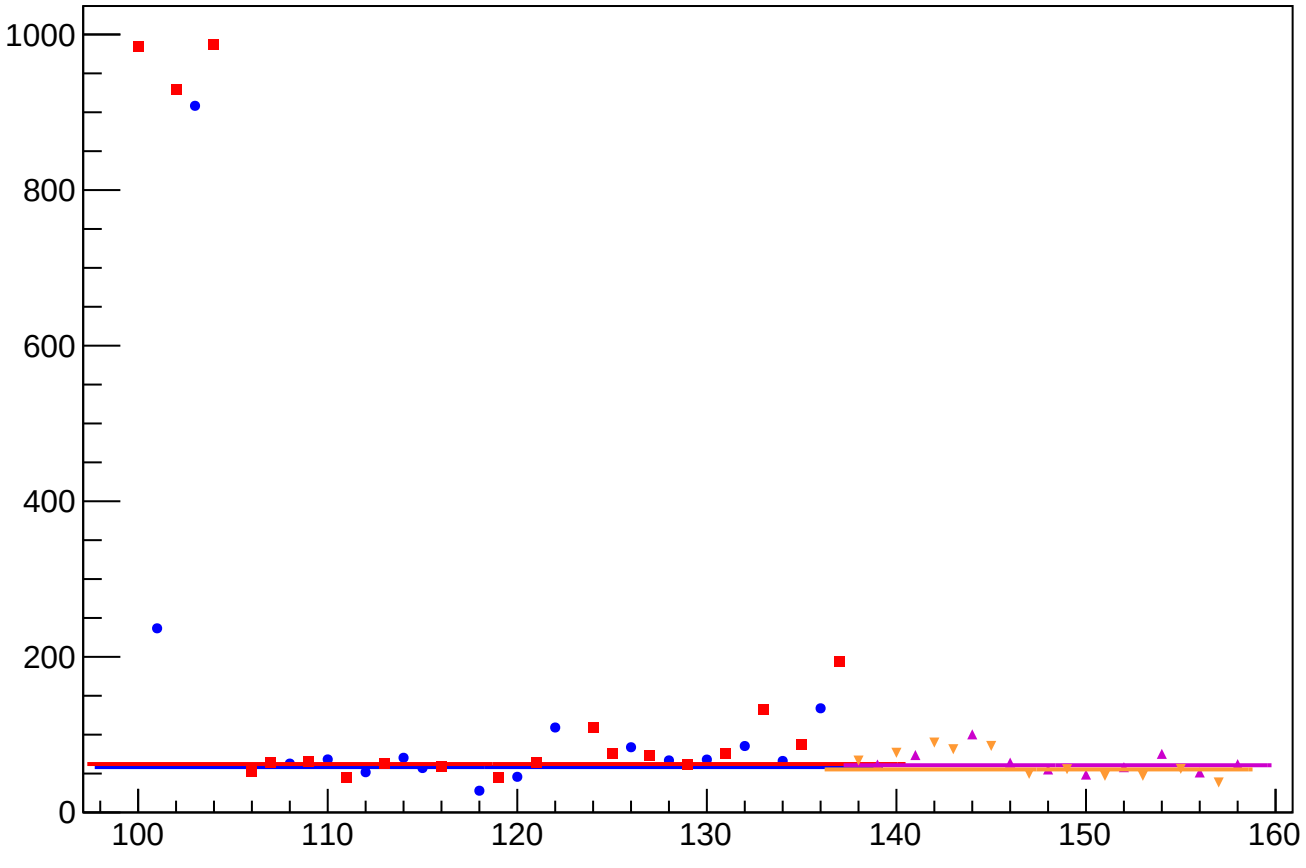
Left: 0.010+/-0.016 χ^2/NDF: 19.8/20

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.018 χ^2/NDF:24.5/25

Out: -0.006+/-0.017 χ^2/NDF:31.7/29

All: 0.005+/-0.012 χ^2/NDF: 57.0/55



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 55.305+/-0.015 χ^2/NDF:823862.3/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.679+/-0.016 χ^2/NDF:522413.2/9

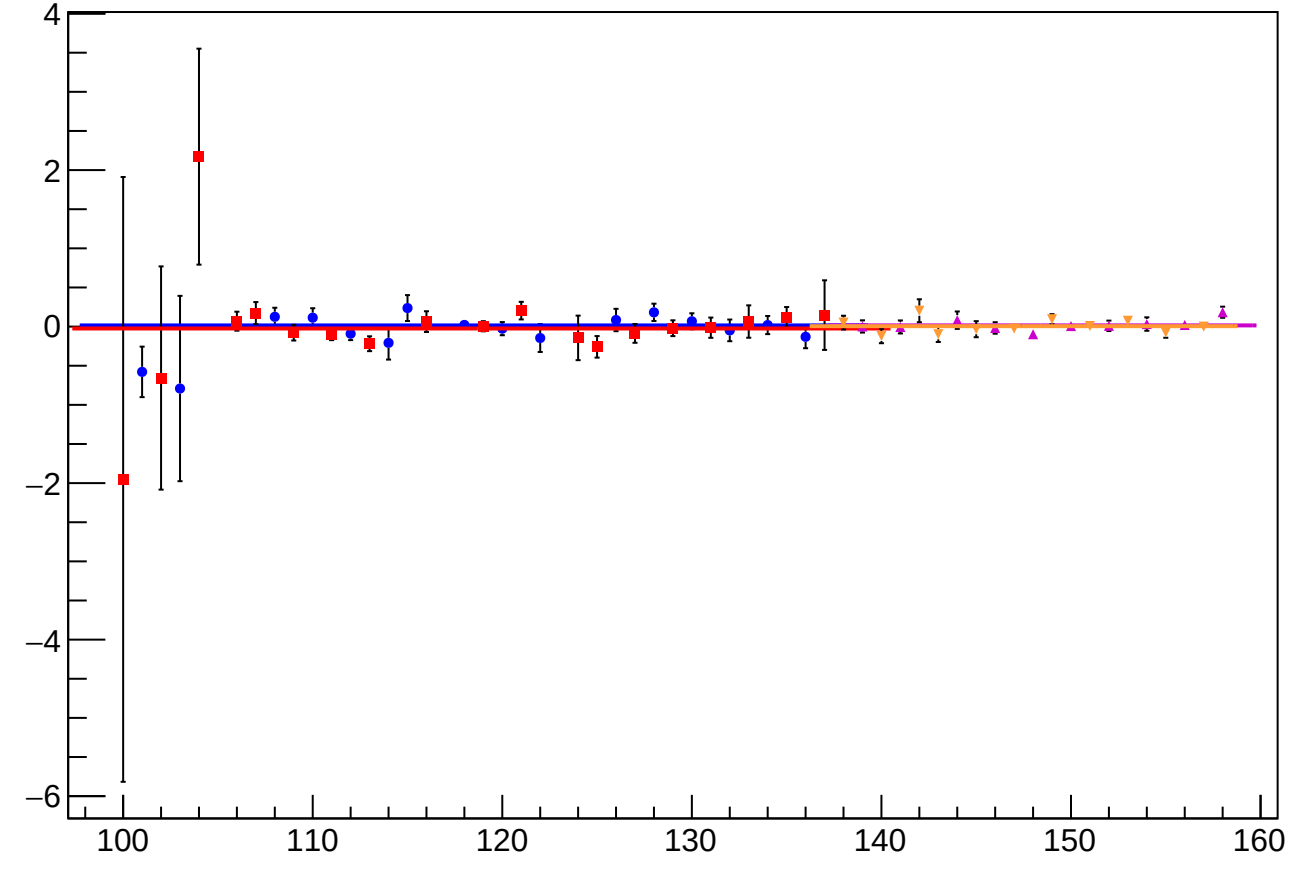
Left: 57.894+/-0.011 χ^2/NDF: 1405295.8/20

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.743+/-0.012 χ^2/NDF:3791557.4/25

Out: 57.905+/-0.012 χ^2/NDF:3527300.6/29

All: 58.806+/-0.009 χ^2/NDF: 7330102.6/55



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.023 χ^2/NDF:9.5/9

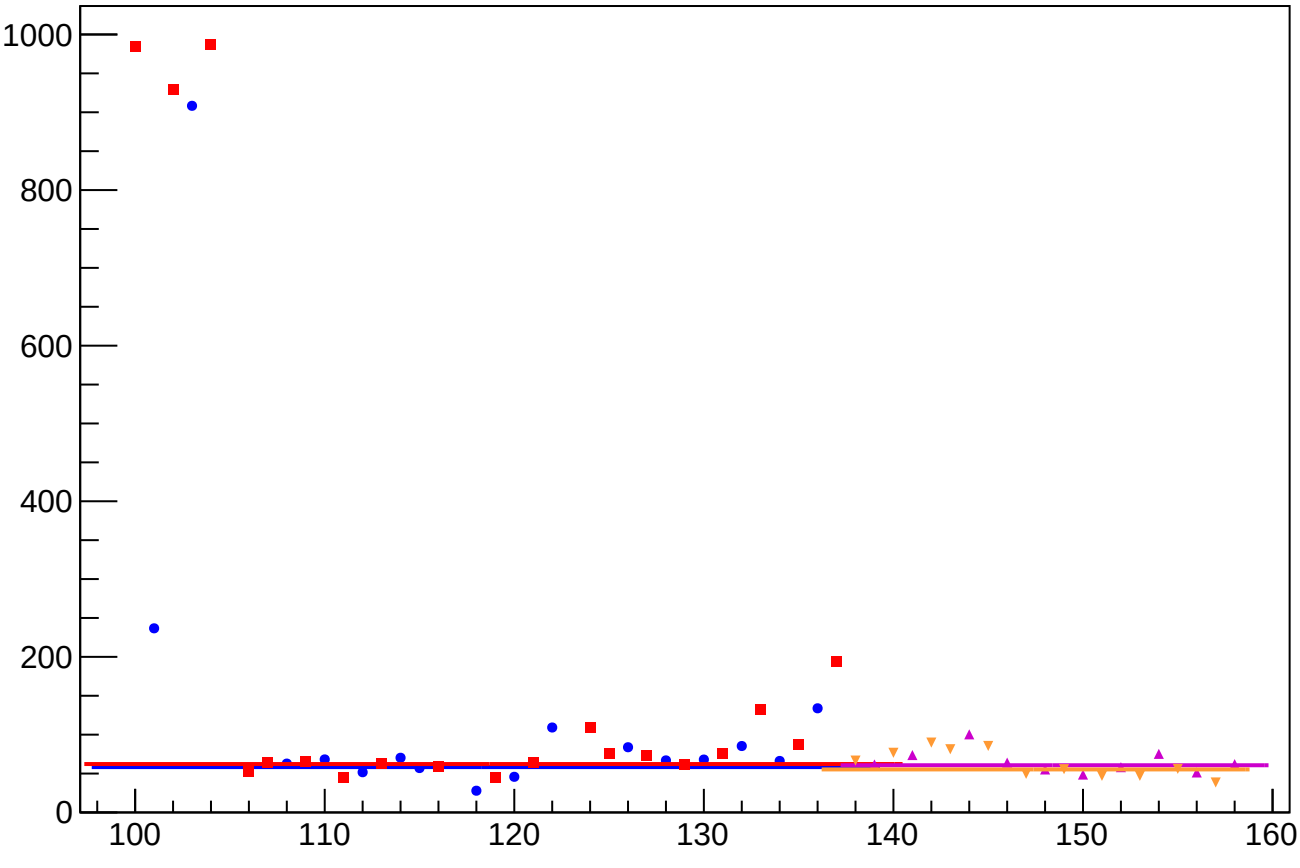
Left: 0.010+/-0.016 χ^2/NDF: 19.8/20

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.018 χ^2/NDF:24.5/25

Out: -0.006+/-0.017 χ^2/NDF:31.7/29

All: 0.005+/-0.012 χ^2/NDF: 57.0/55



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 55.305+/-0.015 χ^2/NDF:823862.3/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.679+/-0.016 χ^2/NDF:522413.2/9

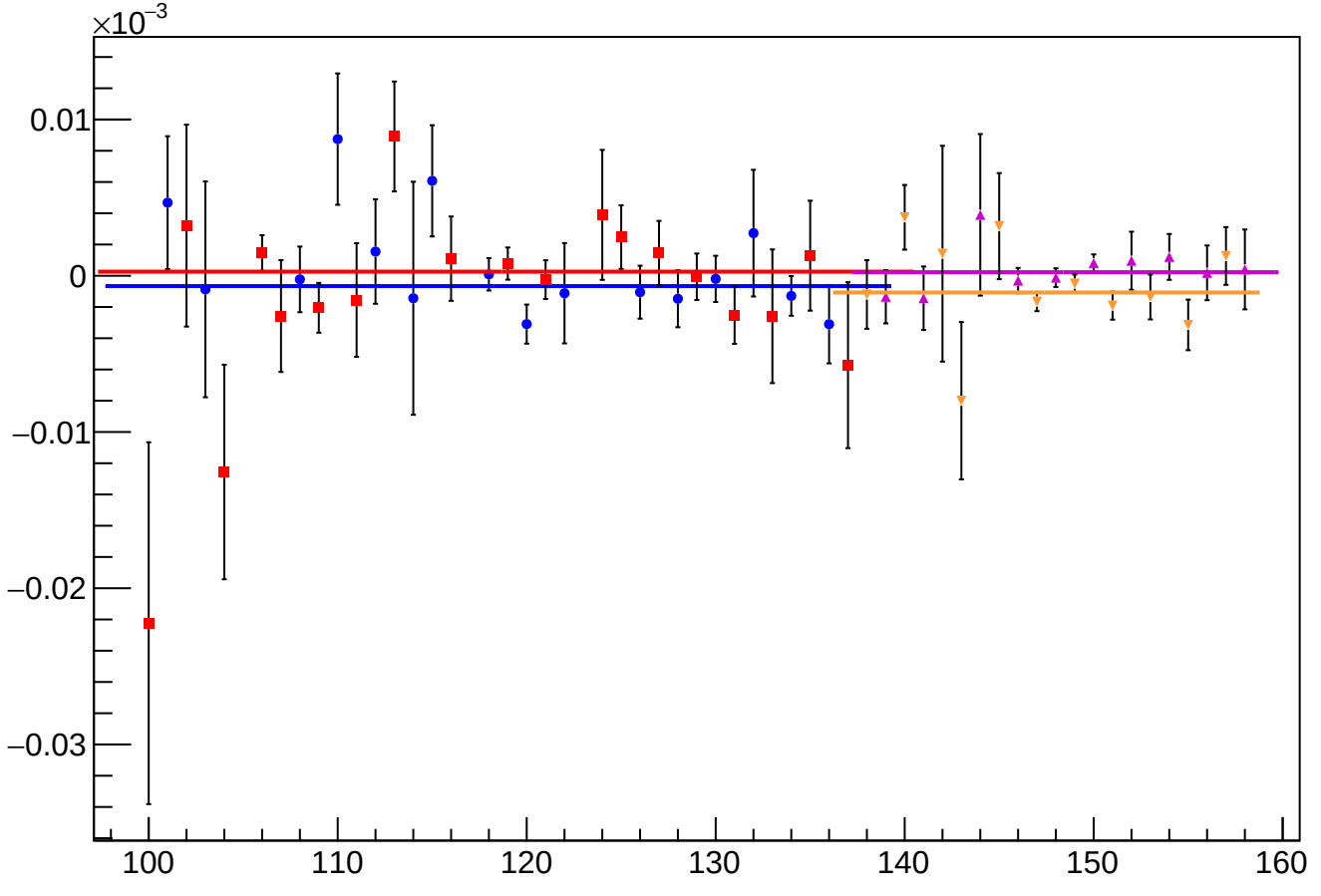
Left: 57.894+/-0.011 χ^2/NDF: 1405295.8/20

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.743+/-0.012 χ^2/NDF:3791557.4/25

Out: 57.905+/-0.012 χ^2/NDF:3527300.6/29

All: 58.806+/-0.009 χ^2/NDF: 7330102.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/9

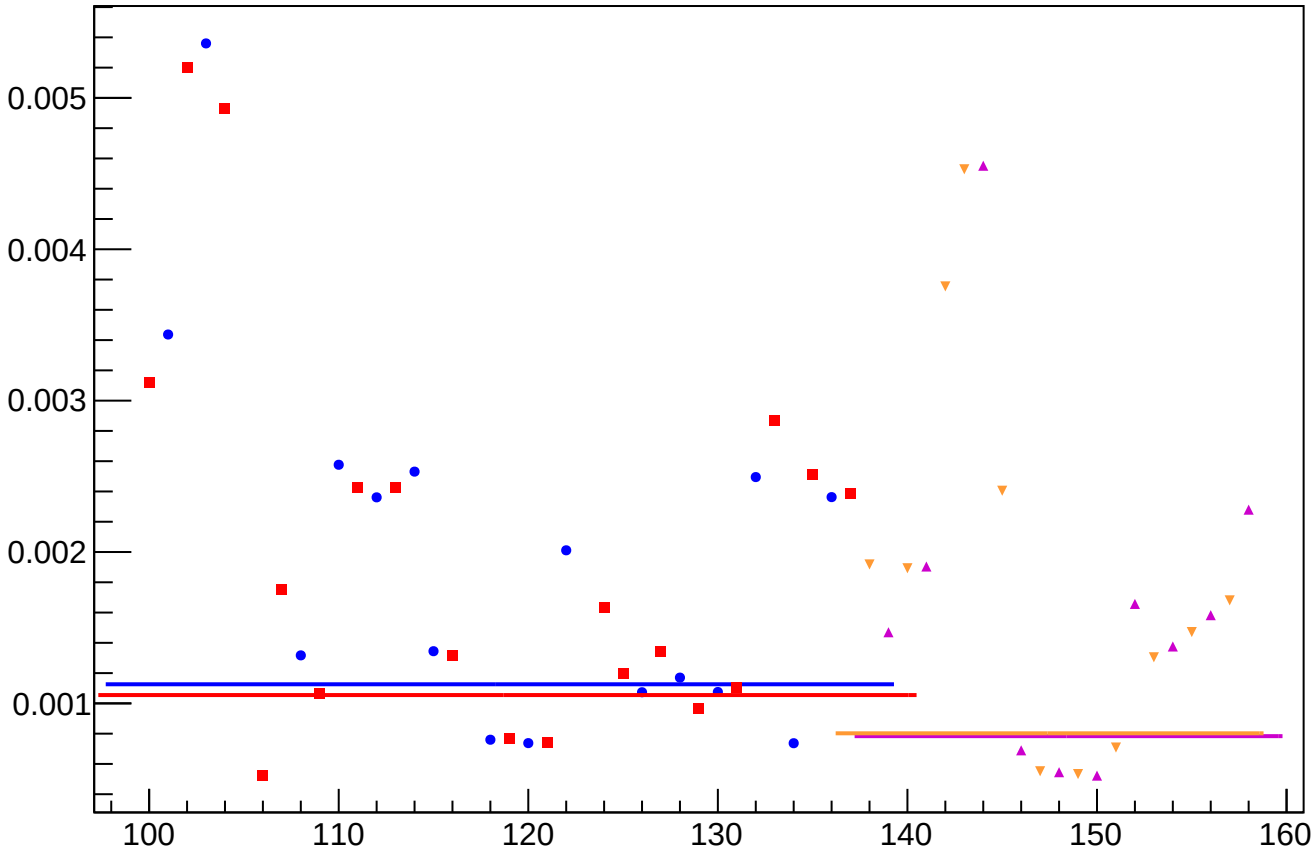
Left: -0.000+/-0.000 χ^2/NDF: 27.2/20

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:24.1/25

Out: -0.000+/-0.000 χ^2/NDF:44.9/29

All: -0.000+/-0.000 χ^2/NDF: 71.1/55



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:4804779.3/10

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:4657993.3/9

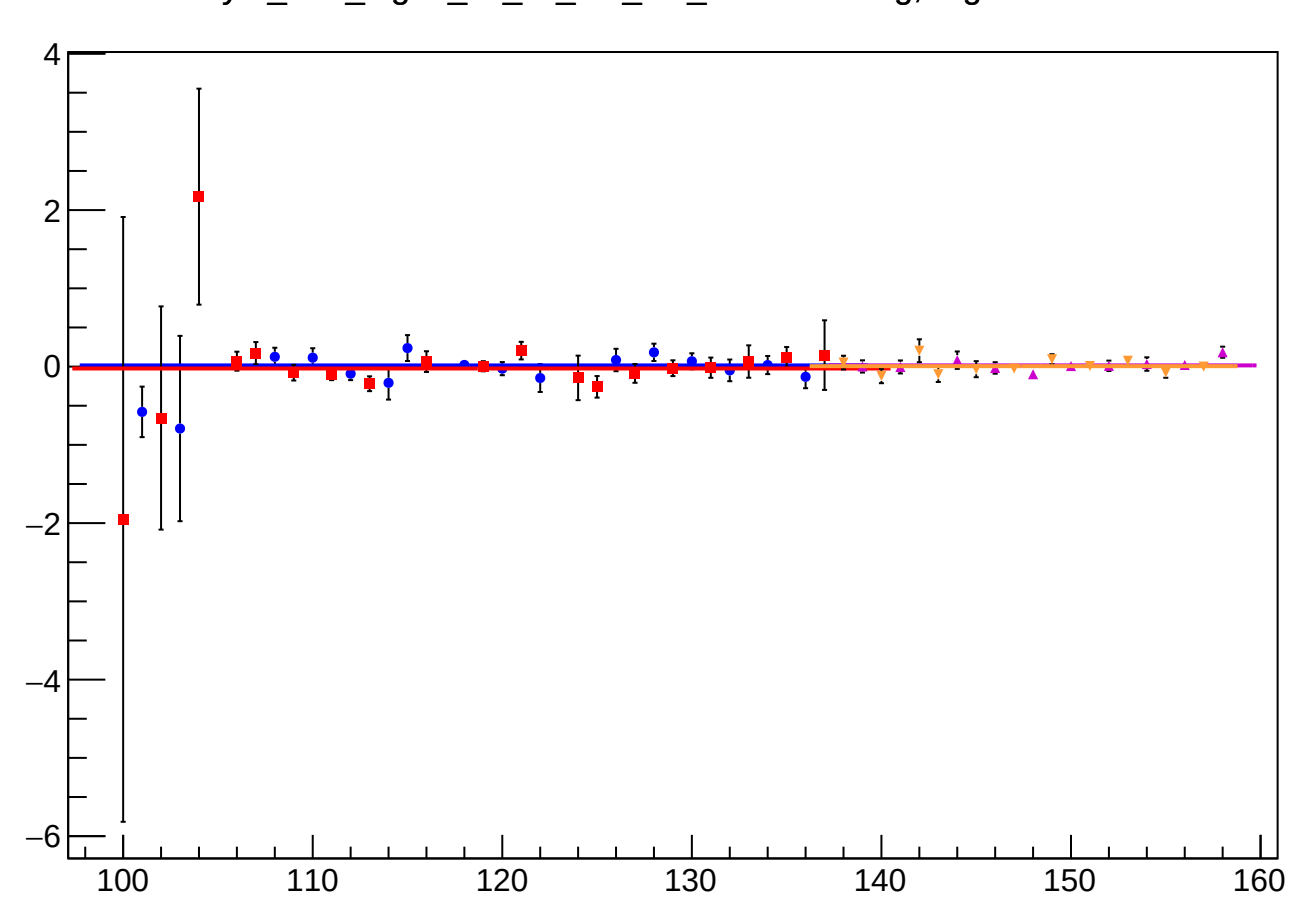
Left: 0.001+/-0.000 χ^2/NDF: 9465948.5/20

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:8790433.5/25

Out: 0.001+/-0.000 χ^2/NDF:9038342.9/29

All: 0.001+/-0.000 χ^2/NDF: 17828845.4/55



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.023 χ^2/NDF:9.5/9

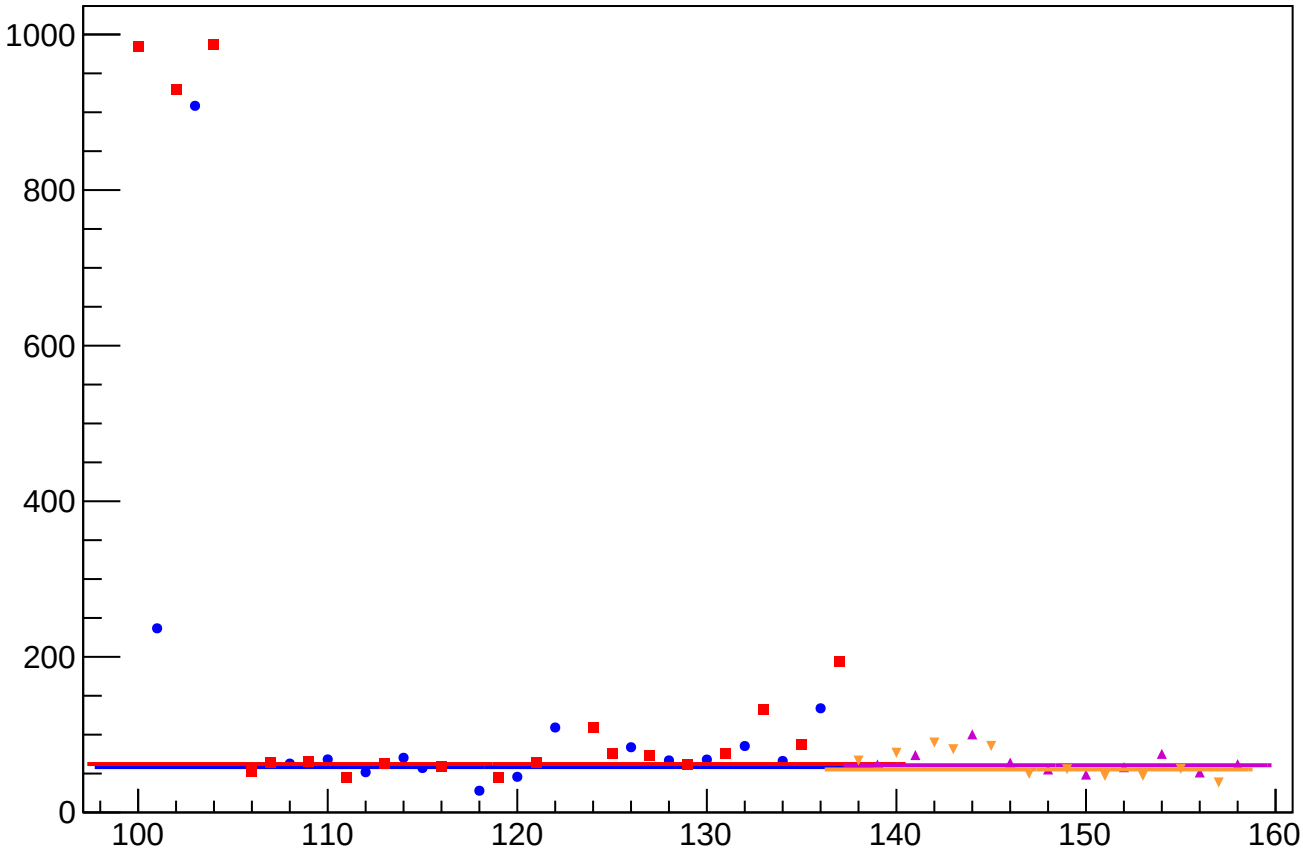
Left: 0.010+/-0.016 χ^2/NDF: 19.8/20

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.018 χ^2/NDF:24.5/25

Out: -0.006+/-0.017 χ^2/NDF:31.7/29

All: 0.005+/-0.012 χ^2/NDF: 57.0/55



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 55.305+/-0.015 χ^2/NDF:823918.6/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 60.679+/-0.016 χ^2/NDF:522432.7/9

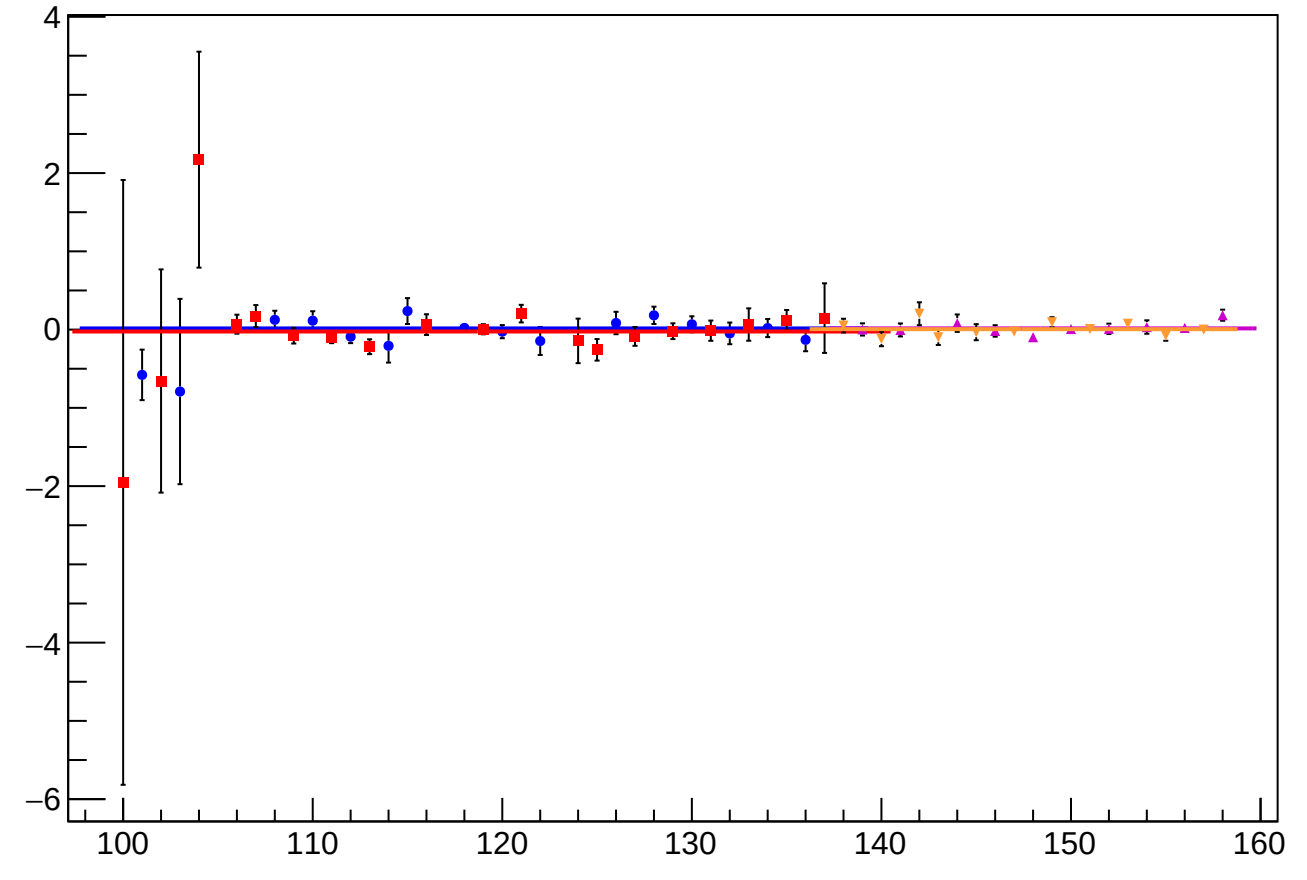
Left: 57.894+/-0.011 χ^2/NDF: 1405391.0/20

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.743+/-0.012 χ^2/NDF:3791663.5/25

Out: 57.904+/-0.012 χ^2/NDF:3527363.8/29

All: 58.805+/-0.009 χ^2/NDF: 7330275.4/55



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.023 χ^2/NDF:9.5/9

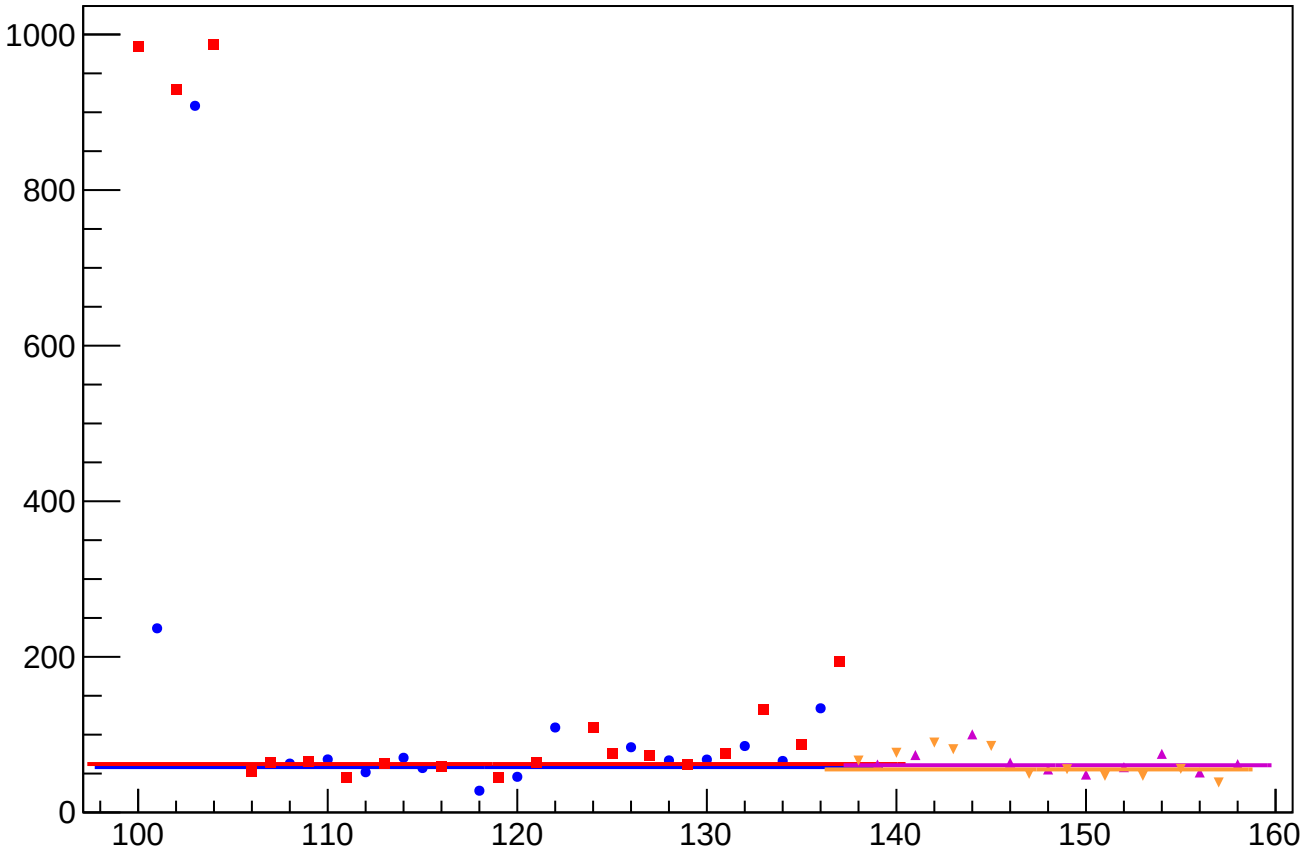
Left: 0.010+/-0.016 χ^2/NDF: 19.8/20

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.018 χ^2/NDF:24.5/25

Out: -0.006+/-0.017 χ^2/NDF:31.7/29

All: 0.005+/-0.012 χ^2/NDF: 57.0/55



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 55.305+/-0.015 χ^2/NDF:823918.6/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 60.679+/-0.016 χ^2/NDF:522432.7/9

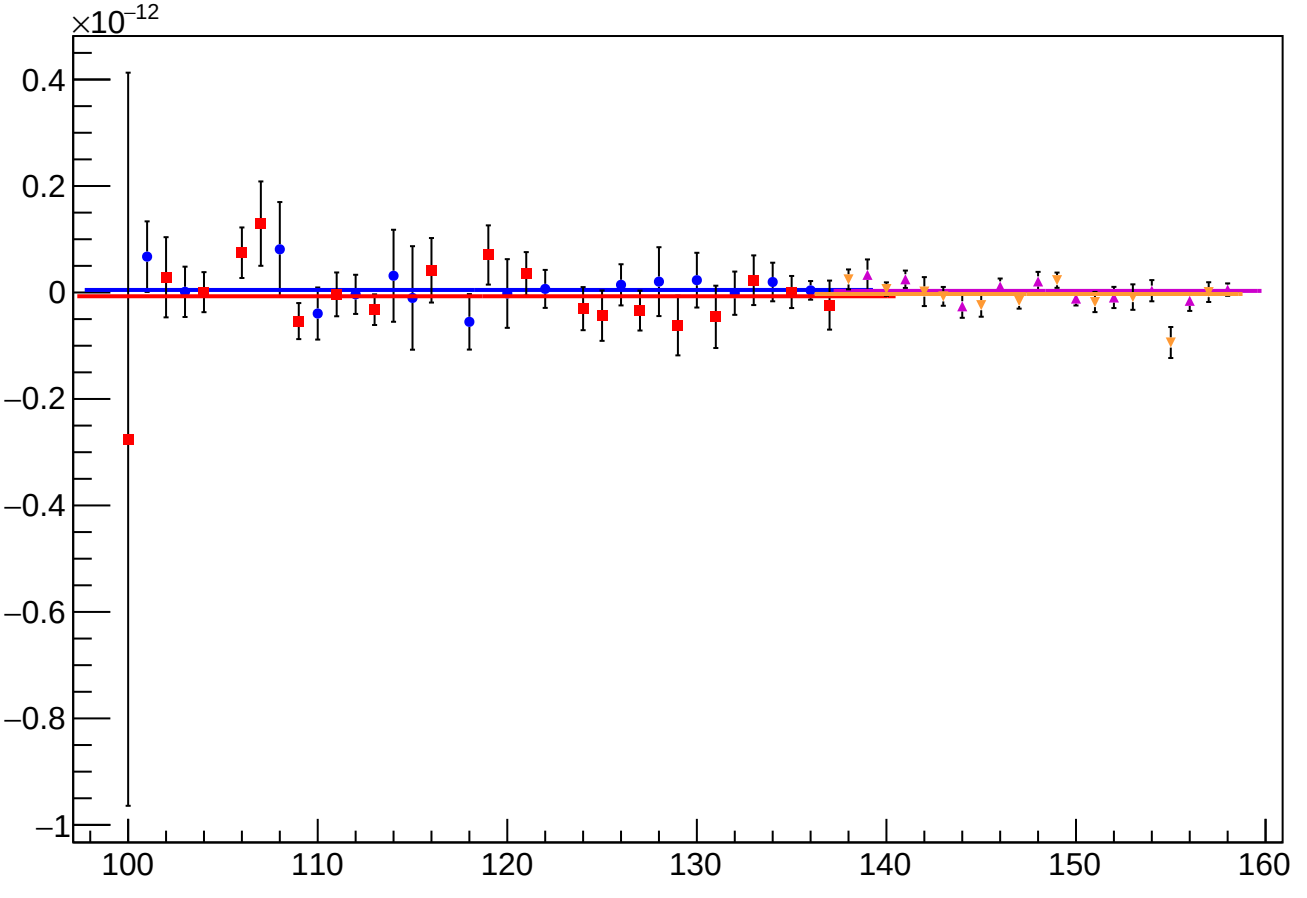
Left: 57.894+/-0.011 χ^2/NDF: 1405391.0/20

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.743+/-0.012 χ^2/NDF:3791663.5/25

Out: 57.904+/-0.012 χ^2/NDF:3527363.8/29

All: 58.805+/-0.009 χ^2/NDF: 7330275.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/9

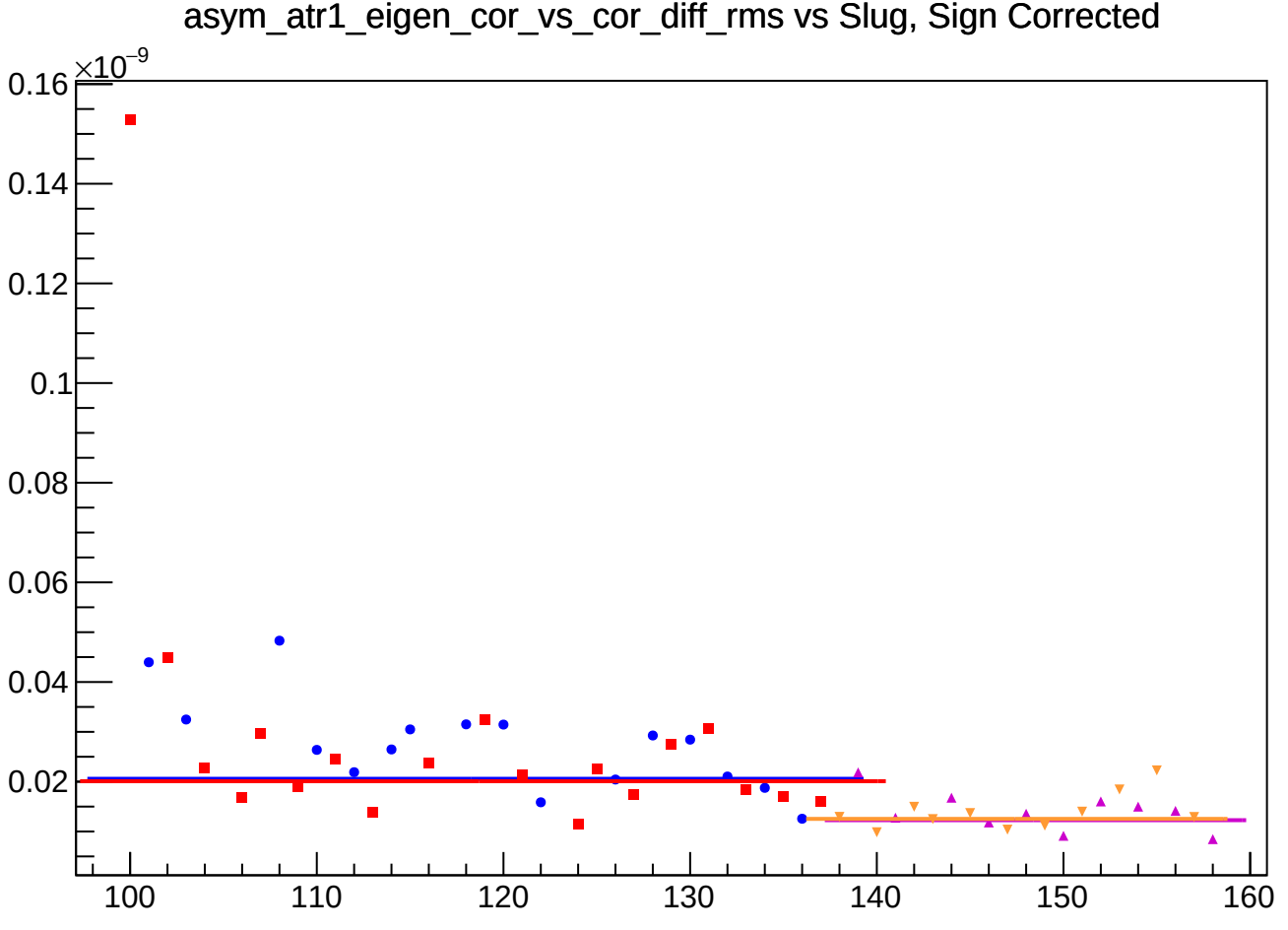
Left: 0.000+/-0.000 χ^2/NDF: 27.5/20

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:13.0/25

Out: -0.000+/-0.000 χ^2/NDF:34.6/29

All: -0.000+/-0.000 χ^2/NDF: 48.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:532709.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:779397.1/9

Left: 0.000+/-0.000 χ^2/NDF: 1314492.7/20

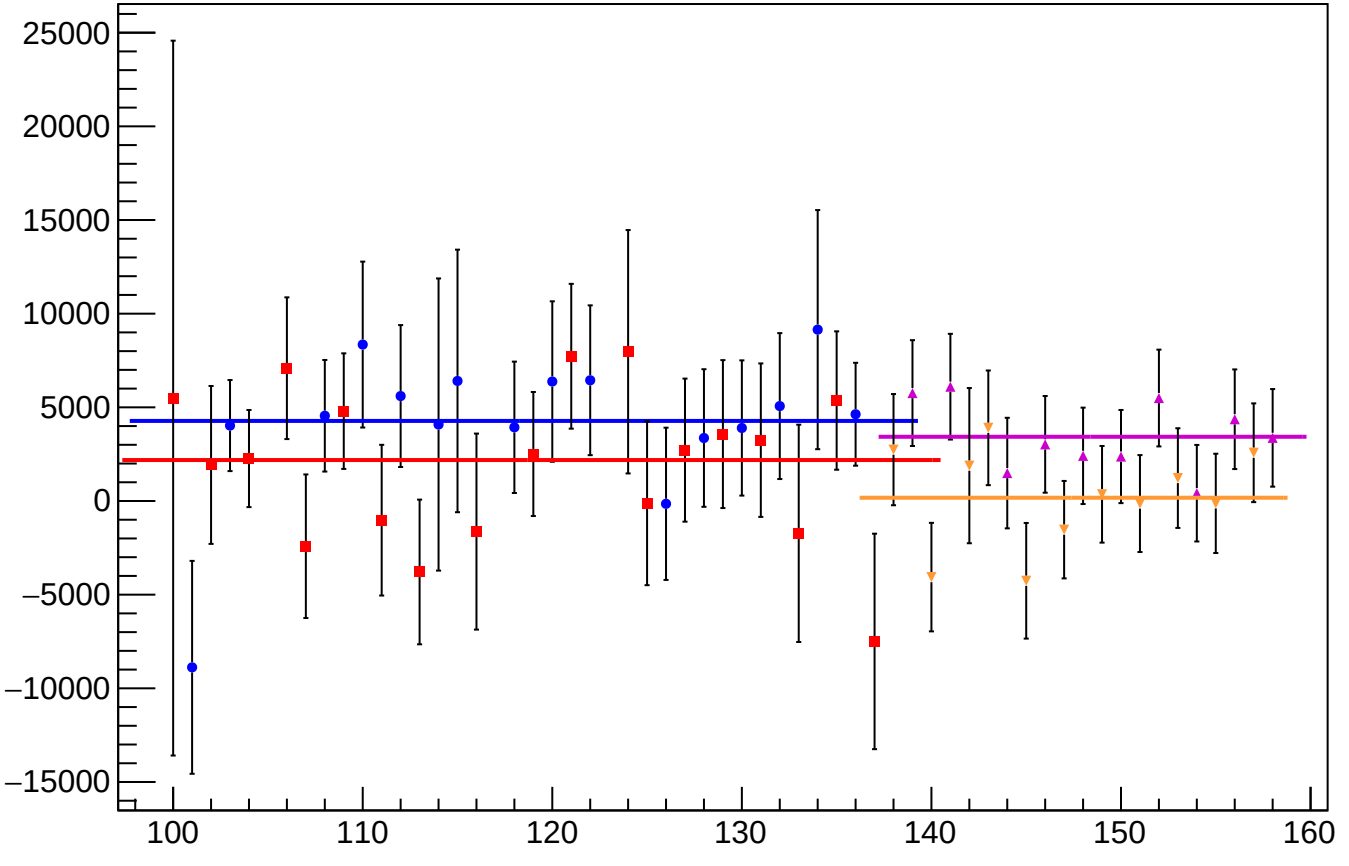
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3136536.3/25

Out: 0.000+/-0.000 χ^2/NDF:2213798.7/29

All: 0.000+/-0.000 χ^2/NDF: 5352178.4/55

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 173.965+/-851.972 χ^2/NDF:8.1/10

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3428.835+/-839.819 χ^2/NDF:4.5/9

Left: 1824.780+/-598.092 χ^2/NDF: 20.0/20

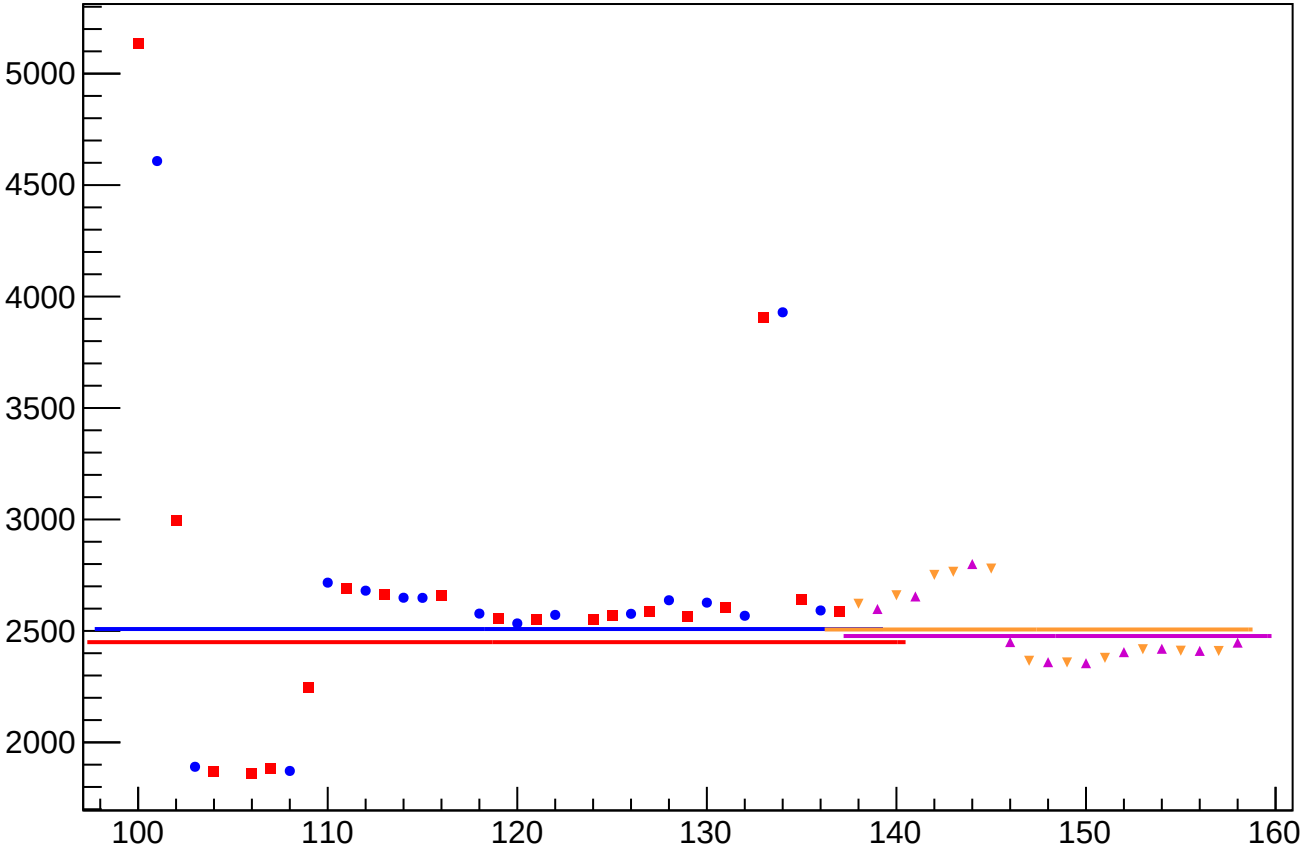
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3798.902+/-629.775 χ^2/NDF:13.8/25

Out: 1100.689+/-625.761 χ^2/NDF:25.4/29

All: 2441.171+/-443.892 χ^2/NDF: 48.5/55

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2506.435+/-0.602 χ^2/NDF:70312.3/10

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

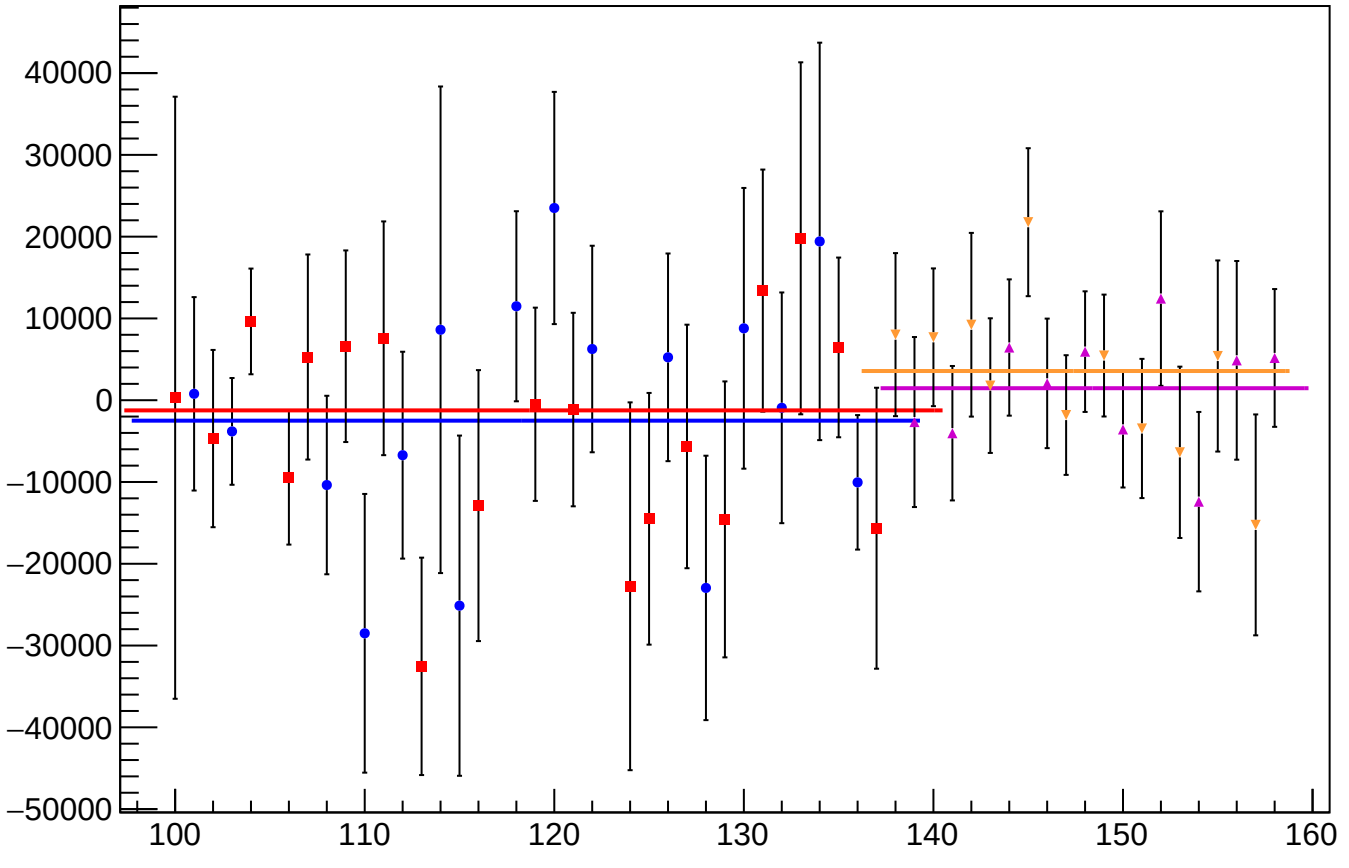
Left: 2491.545+/-0.423 χ^2/NDF: 120317.7/20

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2490.814+/-0.445 χ^2/NDF:661613.4/25

Out: 2480.271+/-0.442 χ^2/NDF:511309.0/29

All: 2485.509+/-0.314 χ^2/NDF: 1173204.4/55



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 3569.654+/-2758.111 χ^2/NDF:8.9/10

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 1467.000+/-2767.416 χ^2/NDF:4.8/9

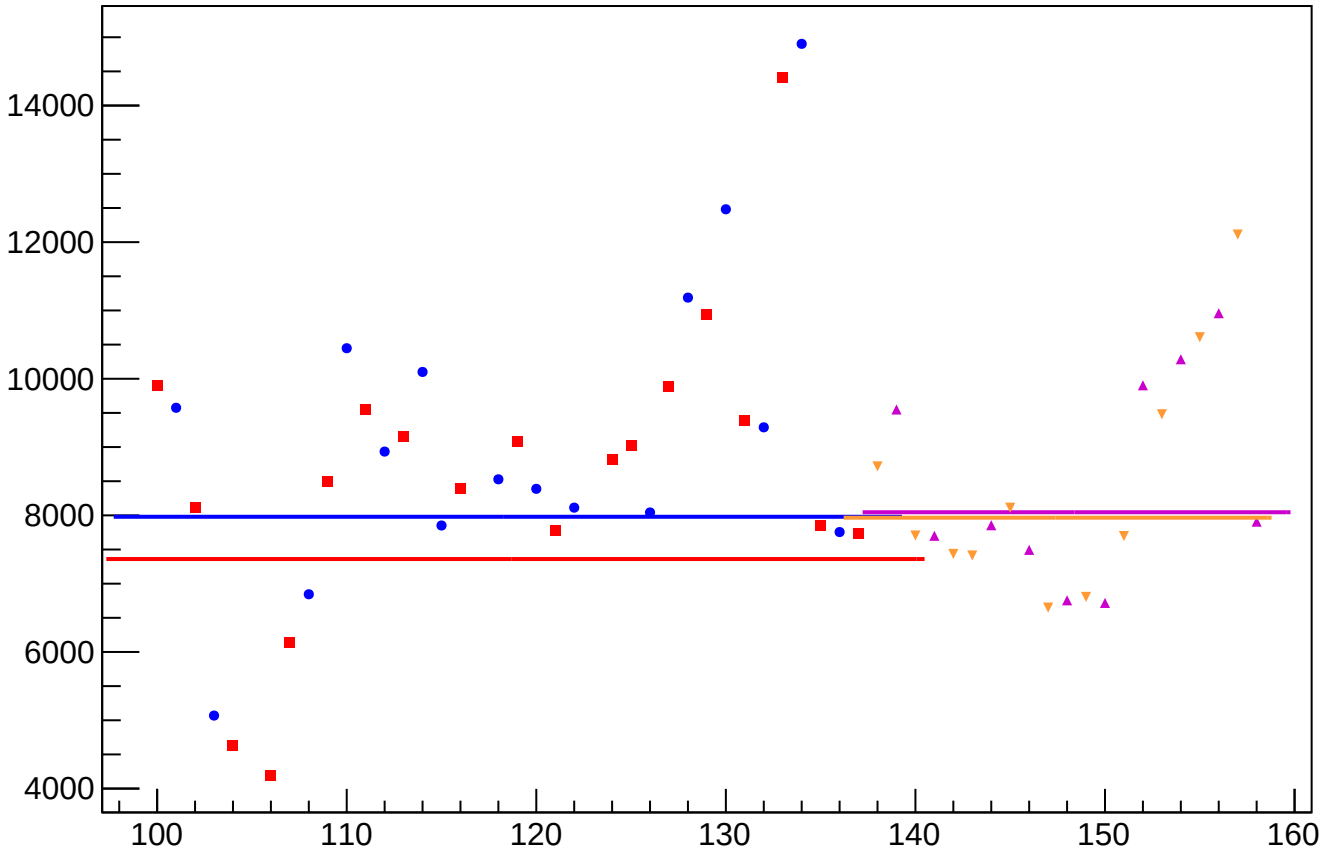
Left: 2521.868+/-1953.560 χ^2/NDF: 14.0/20

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -308.127+/-2057.205 χ^2/NDF:19.4/25

Out: 1243.817+/-1982.889 χ^2/NDF:27.0/29

All: 496.383+/-1427.664 χ^2/NDF: 46.7/55



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7965.941+/-1.950 χ^2/NDF:474856.6/10

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8045.836+/-1.957 χ^2/NDF:446836.2/9

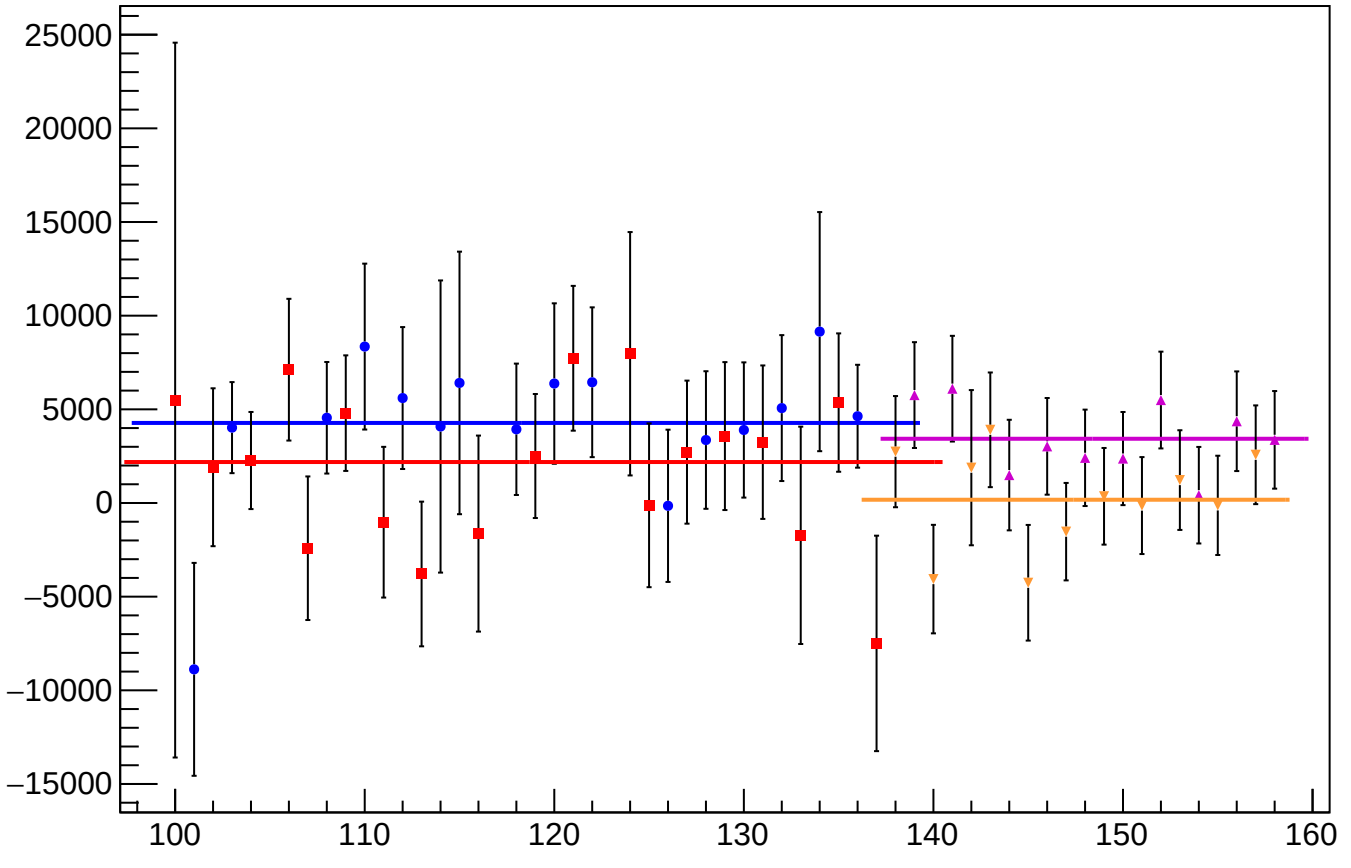
Left: 8005.754+/-1.381 χ^2/NDF: 922529.1/20

Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8016.152+/-1.455 χ^2/NDF:1370434.4/25

Out: 7673.545+/-1.402 χ^2/NDF:1807389.2/29

All: 7838.548+/-1.010 χ^2/NDF: 3206579.0/55



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 173.776+/-851.972 χ^2/NDF:8.1/10

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3428.940+/-839.819 χ^2/NDF:4.5/9

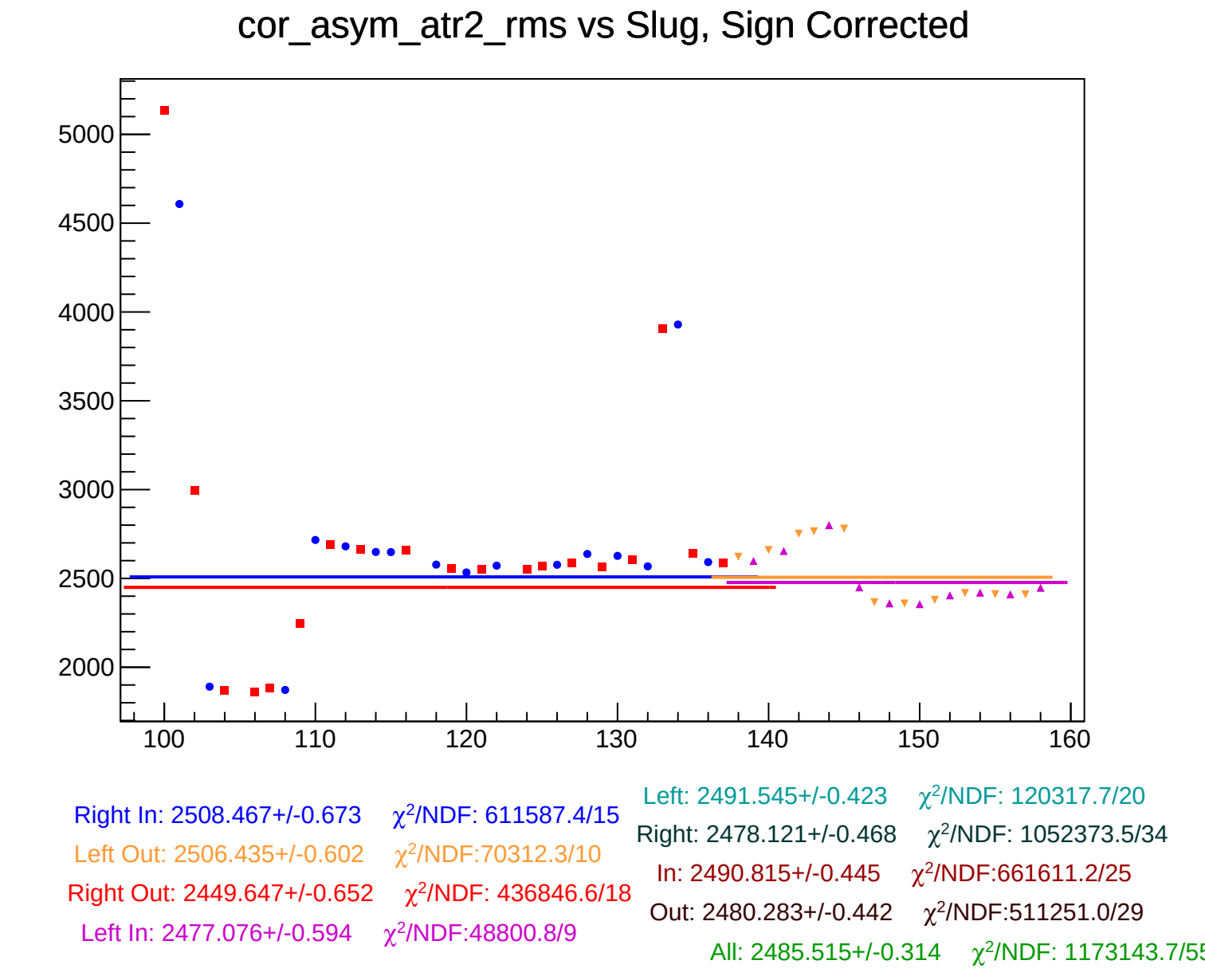
Left: 1824.740+/-598.092 χ^2/NDF: 20.0/20

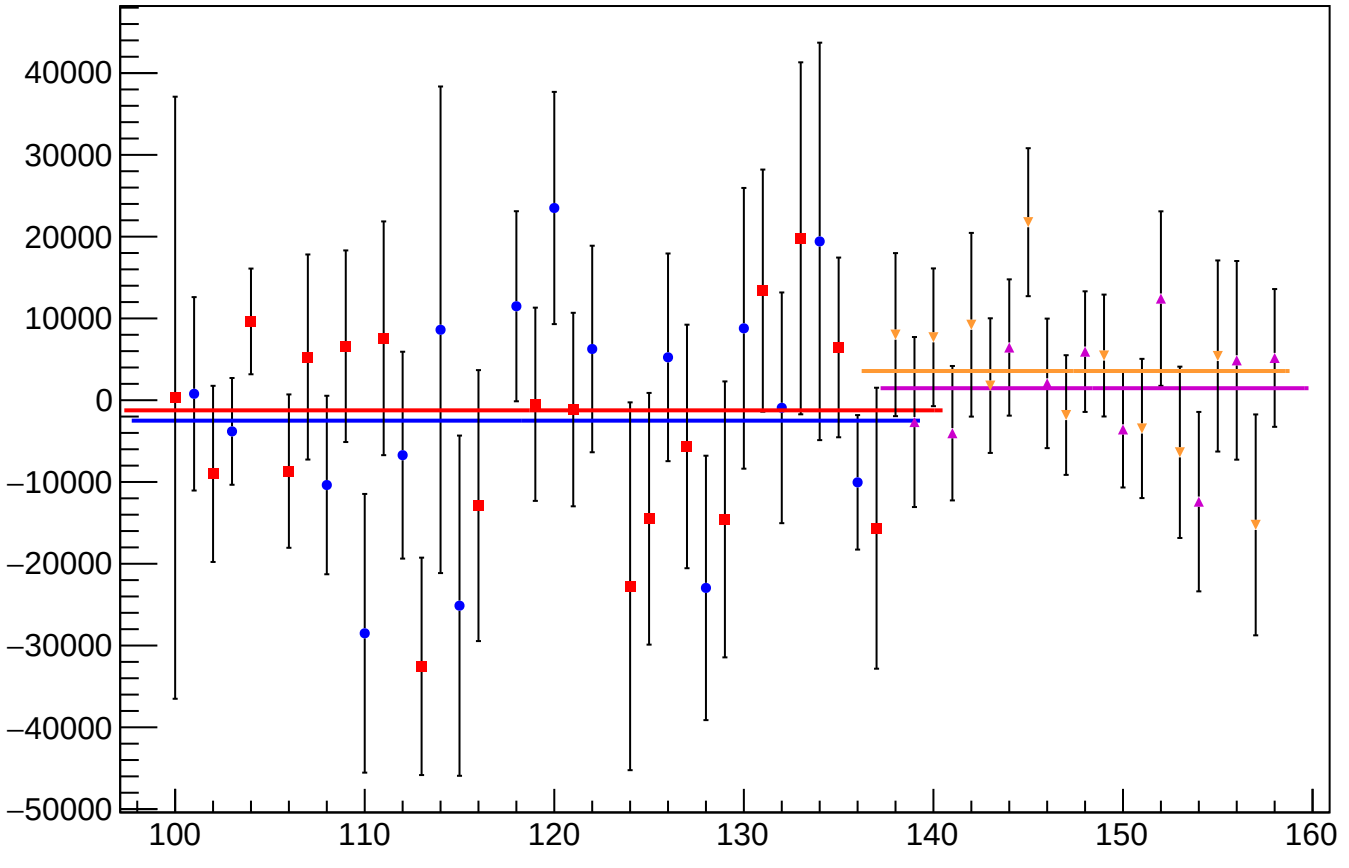
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3798.746+/-629.775 χ^2/NDF:13.8/25

Out: 1100.866+/-625.764 χ^2/NDF:25.5/29

All: 2441.187+/-443.893 χ^2/NDF: 48.5/55


cor_asym_atr2_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 2508.467+/-0.673 χ²/NDF: 611587.4/15
Left Out: 2506.435+/-0.602 χ²/NDF:70312.3/10
Right Out: 2449.647+/-0.652 χ²/NDF: 436846.6/18
Left In: 2477.076+/-0.594 χ²/NDF:48800.8/9
Left: 2491.545+/-0.423 χ²/NDF: 120317.7/20
Right: 2478.121+/-0.468 χ²/NDF: 1052373.5/34
In: 2490.815+/-0.445 χ²/NDF:661611.2/25
Out: 2480.283+/-0.442 χ²/NDF:511251.0/29
All: 2485.515+/-0.314 χ²/NDF: 1173143.7/55



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 3569.607+/-2758.106 χ^2/NDF:8.9/10

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1467.185+/-2767.416 χ^2/NDF:4.8/9

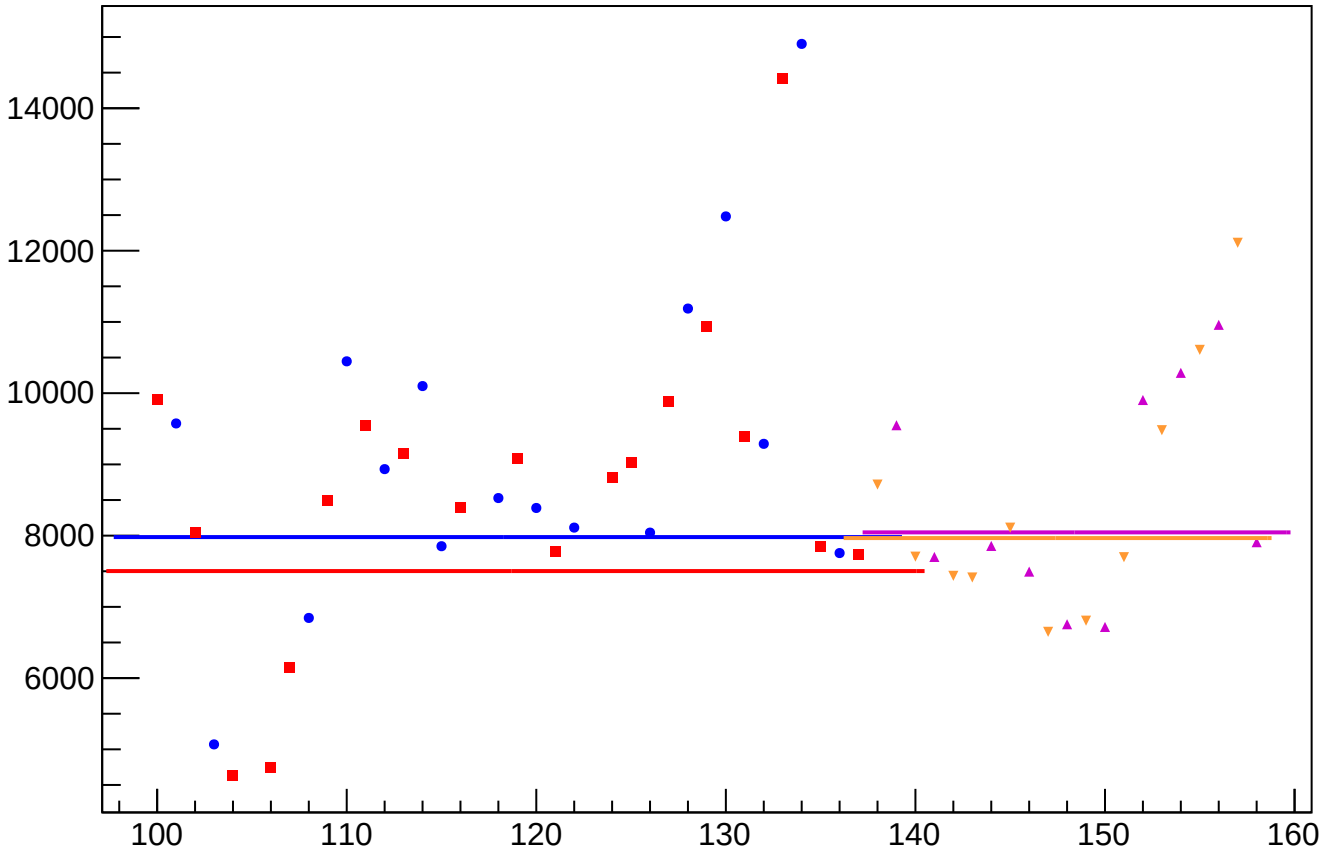
Left: 2521.938+/-1953.559 χ^2/NDF: 14.0/20

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -307.869+/-2057.232 χ^2/NDF:19.4/25

Out: 1279.980+/-1996.413 χ^2/NDF:27.0/29

All: 509.873+/-1432.696 χ^2/NDF: 46.8/55



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7965.926+/-1.950 χ^2/NDF:474861.4/10

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8045.835+/-1.957 χ^2/NDF:446837.9/9

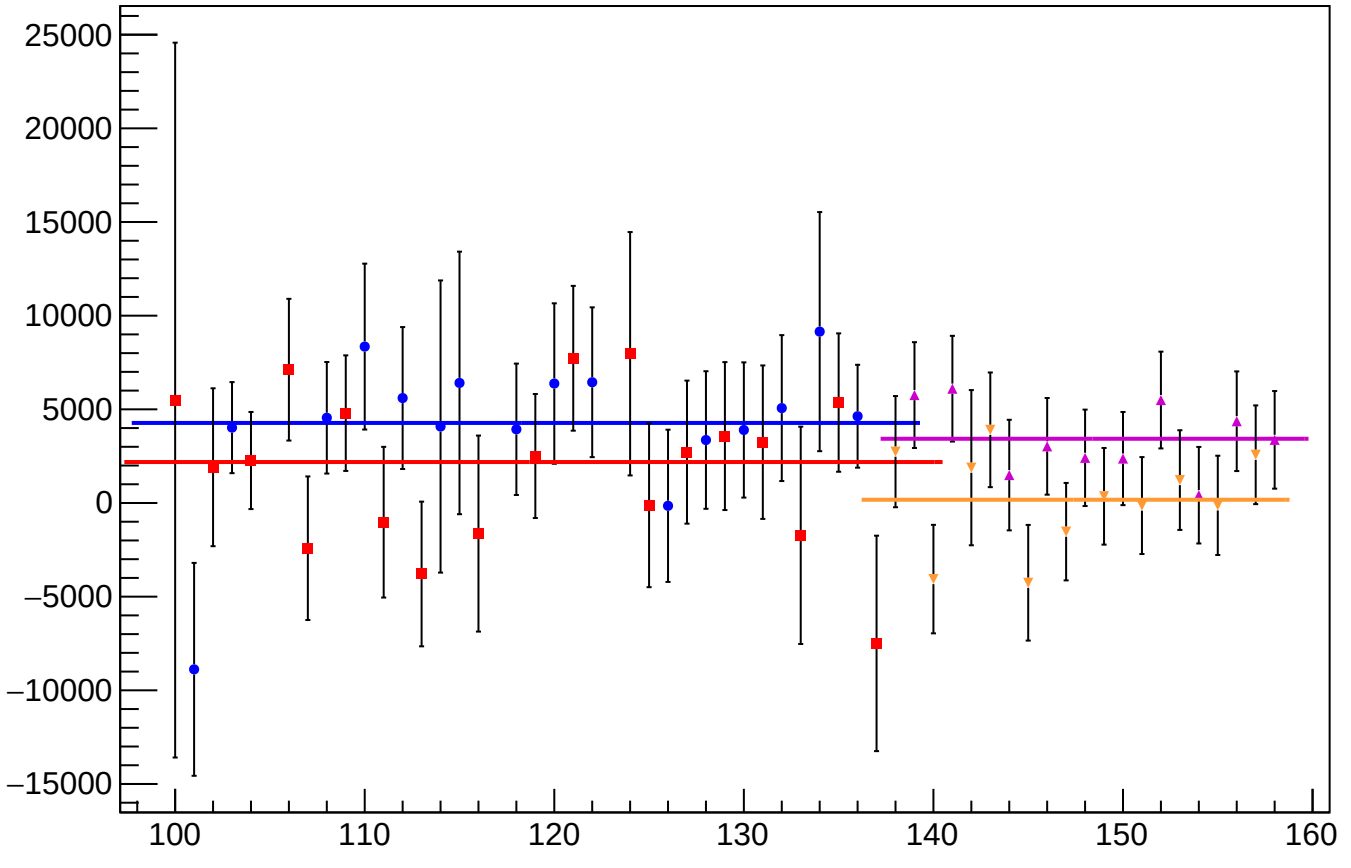
Left: 8005.746+/-1.381 χ^2/NDF: 922535.9/20

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8016.297+/-1.455 χ^2/NDF:1370132.5/25

Out: 7745.394+/-1.412 χ^2/NDF:1637243.7/29

All: 7876.782+/-1.013 χ^2/NDF: 3025236.9/55



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 173.776+/-851.972 χ^2/NDF:8.1/10

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3428.940+/-839.819 χ^2/NDF:4.5/9

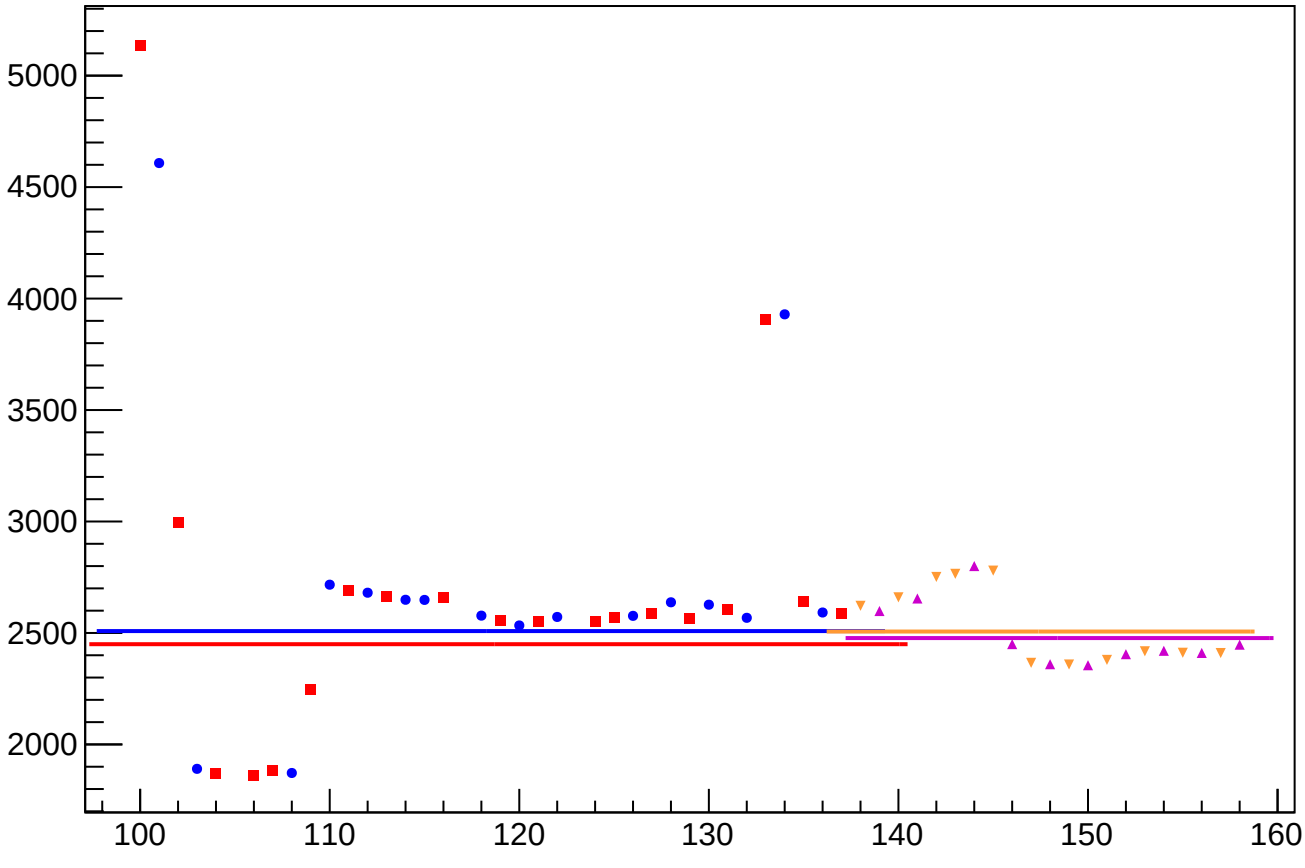
Left: 1824.740+/-598.092 χ^2/NDF: 20.0/20

Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3798.746+/-629.775 χ^2/NDF:13.8/25

Out: 1100.866+/-625.764 χ^2/NDF:25.5/29

All: 2441.187+/-443.893 χ^2/NDF: 48.5/55



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2506.435+/-0.602 χ^2/NDF:70312.3/10

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

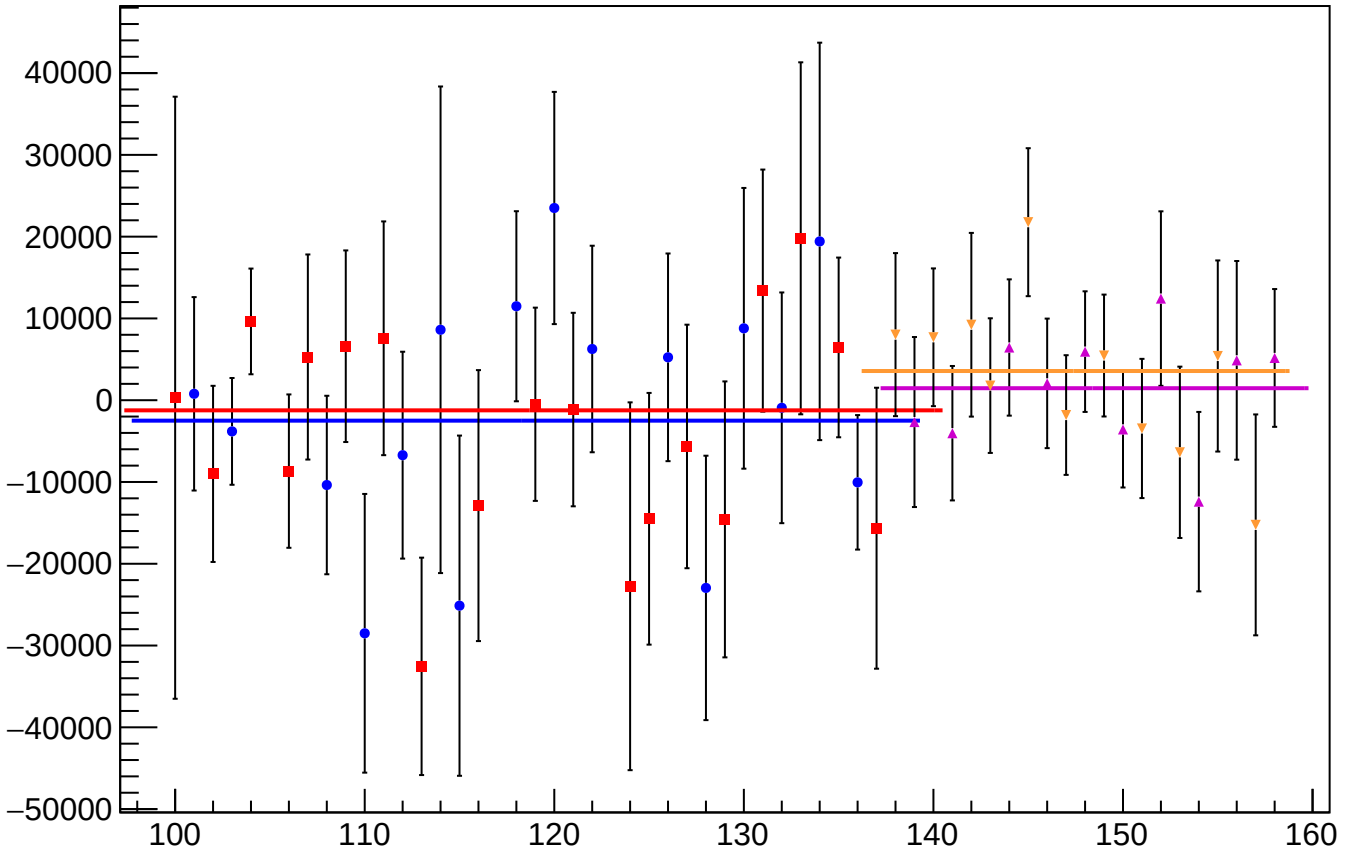
Left: 2491.545+/-0.423 χ^2/NDF: 120317.7/20

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2490.815+/-0.445 χ^2/NDF:661611.2/25

Out: 2480.283+/-0.442 χ^2/NDF:511251.0/29

All: 2485.515+/-0.314 χ^2/NDF: 1173143.7/55



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 3569.607+/-2758.106 χ^2/NDF:8.9/10

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1467.185+/-2767.416 χ^2/NDF:4.8/9

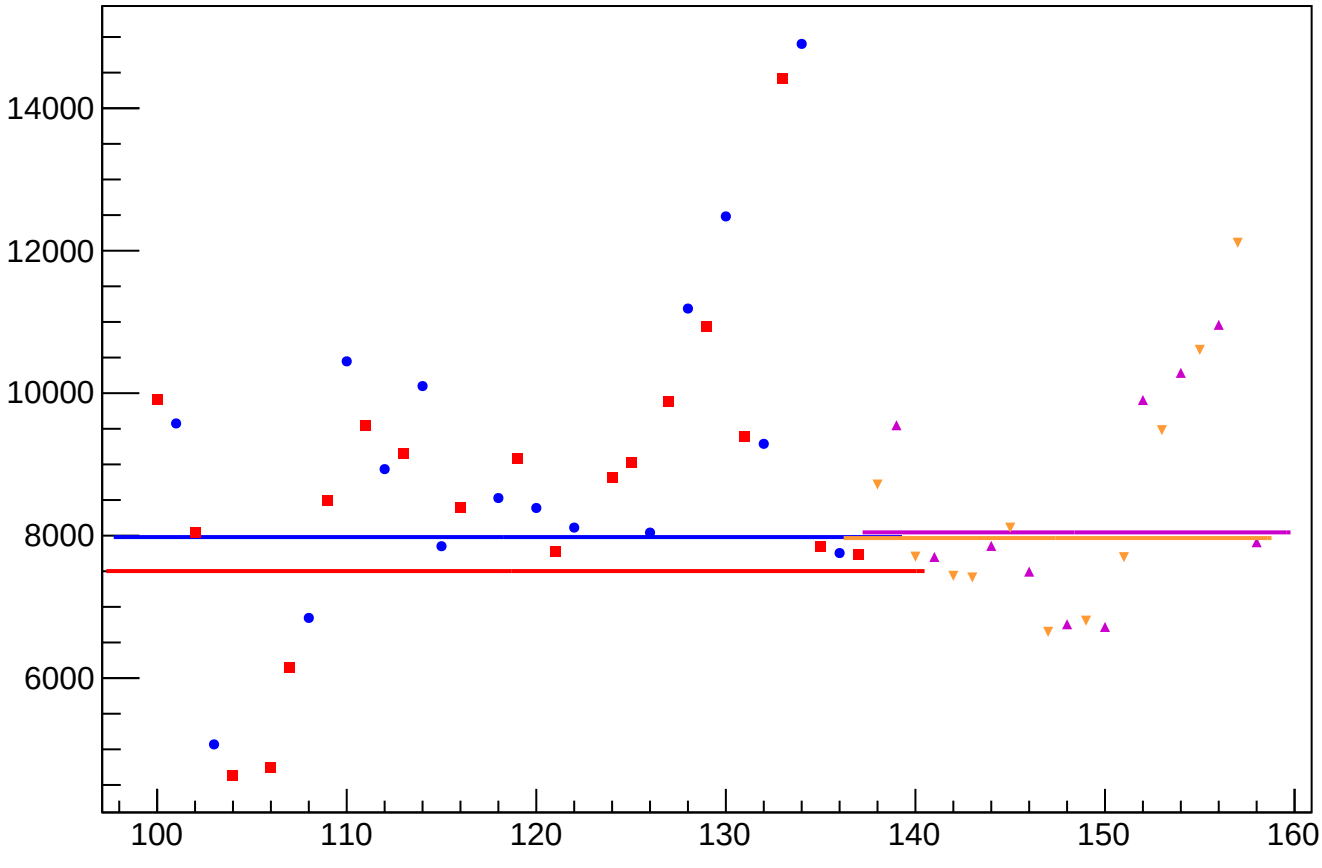
Left: 2521.938+/-1953.559 χ^2/NDF: 14.0/20

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -307.869+/-2057.232 χ^2/NDF:19.4/25

Out: 1279.980+/-1996.413 χ^2/NDF:27.0/29

All: 509.873+/-1432.696 χ^2/NDF: 46.8/55



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7965.926+/-1.950 χ^2/NDF:474861.4/10

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8045.835+/-1.957 χ^2/NDF:446837.9/9

Left: 8005.746+/-1.381 χ^2/NDF: 922535.9/20

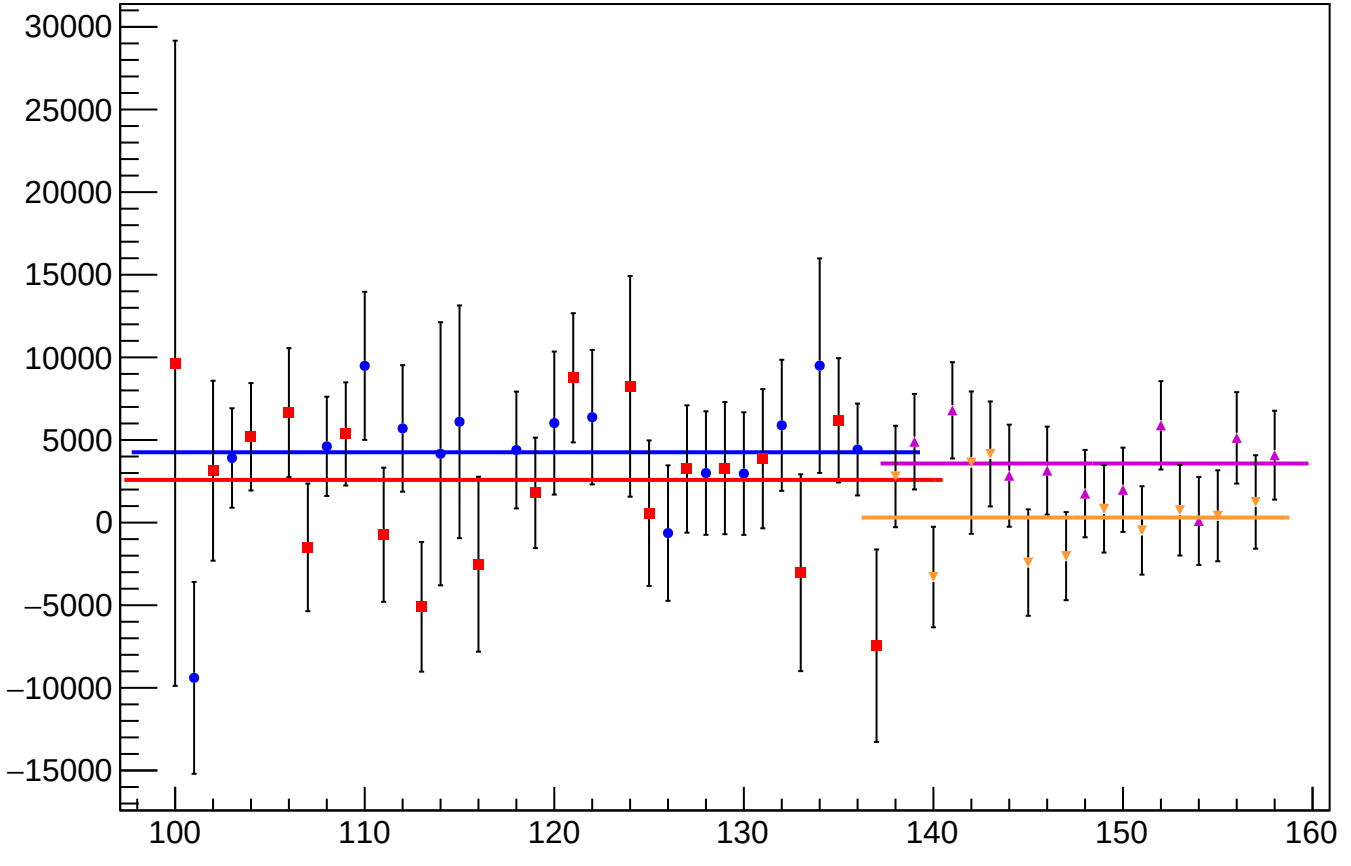
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8016.297+/-1.455 χ^2/NDF:1370132.5/25

Out: 7745.394+/-1.412 χ^2/NDF:1637243.7/29

All: 7876.782+/-1.013 χ^2/NDF: 3025236.9/55

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 307.200+/-884.843 χ^2/NDF:5.9/10

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3577.529+/-867.111 χ^2/NDF:5.2/9

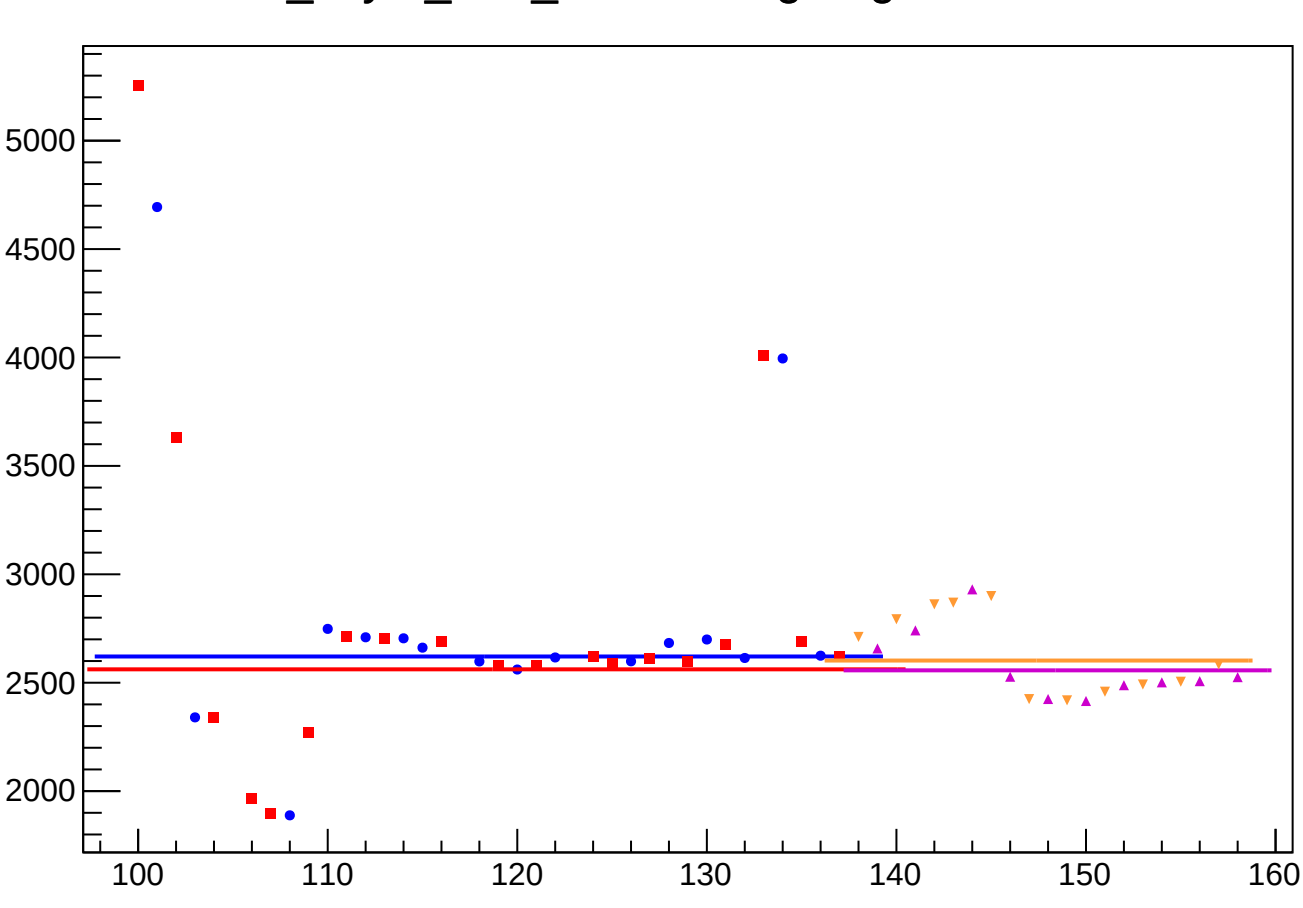
Left: 1975.460+/-619.314 χ^2/NDF: 18.0/20

Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3872.306+/-652.441 χ^2/NDF:15.5/25

Out: 1346.214+/-652.502 χ^2/NDF:26.5/29

All: 2609.377+/-461.367 χ^2/NDF: 49.5/55



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2602.267+/-0.626 χ^2/NDF:78946.8/10

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2557.060+/-0.613 χ^2/NDF:54184.9/9

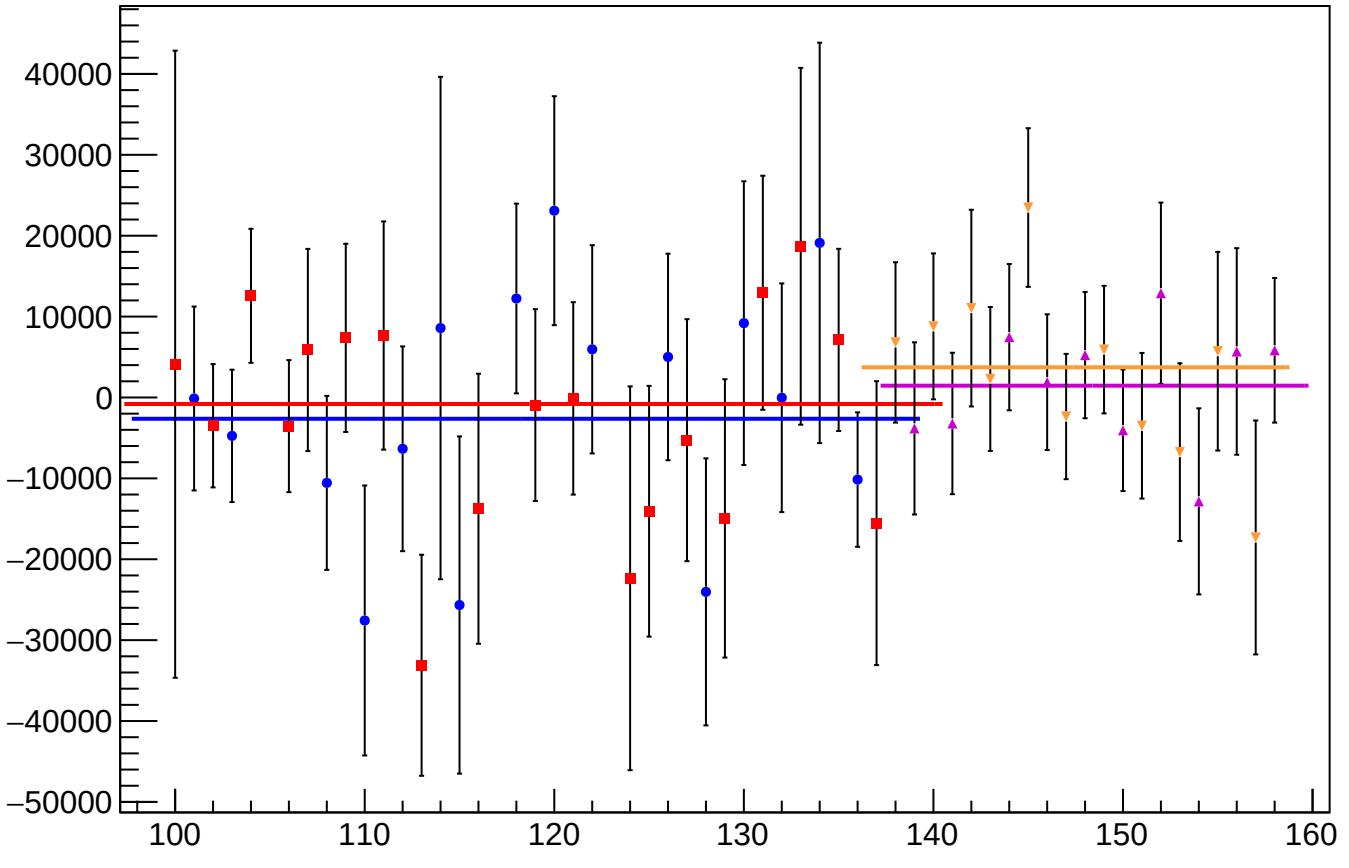
Left: 2579.206+/-0.438 χ^2/NDF: 135794.8/20

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2584.784+/-0.461 χ^2/NDF:544811.8/25

Out: 2583.756+/-0.461 χ^2/NDF:459123.6/29

All: 2584.270+/-0.326 χ^2/NDF: 1003937.8/55



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 3734.253+/-2922.730 χ^2/NDF:9.2/10

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 1459.249+/-2928.258 χ^2/NDF:4.7/9

Left: 2598.900+/-2068.634 χ^2/NDF: 14.2/20

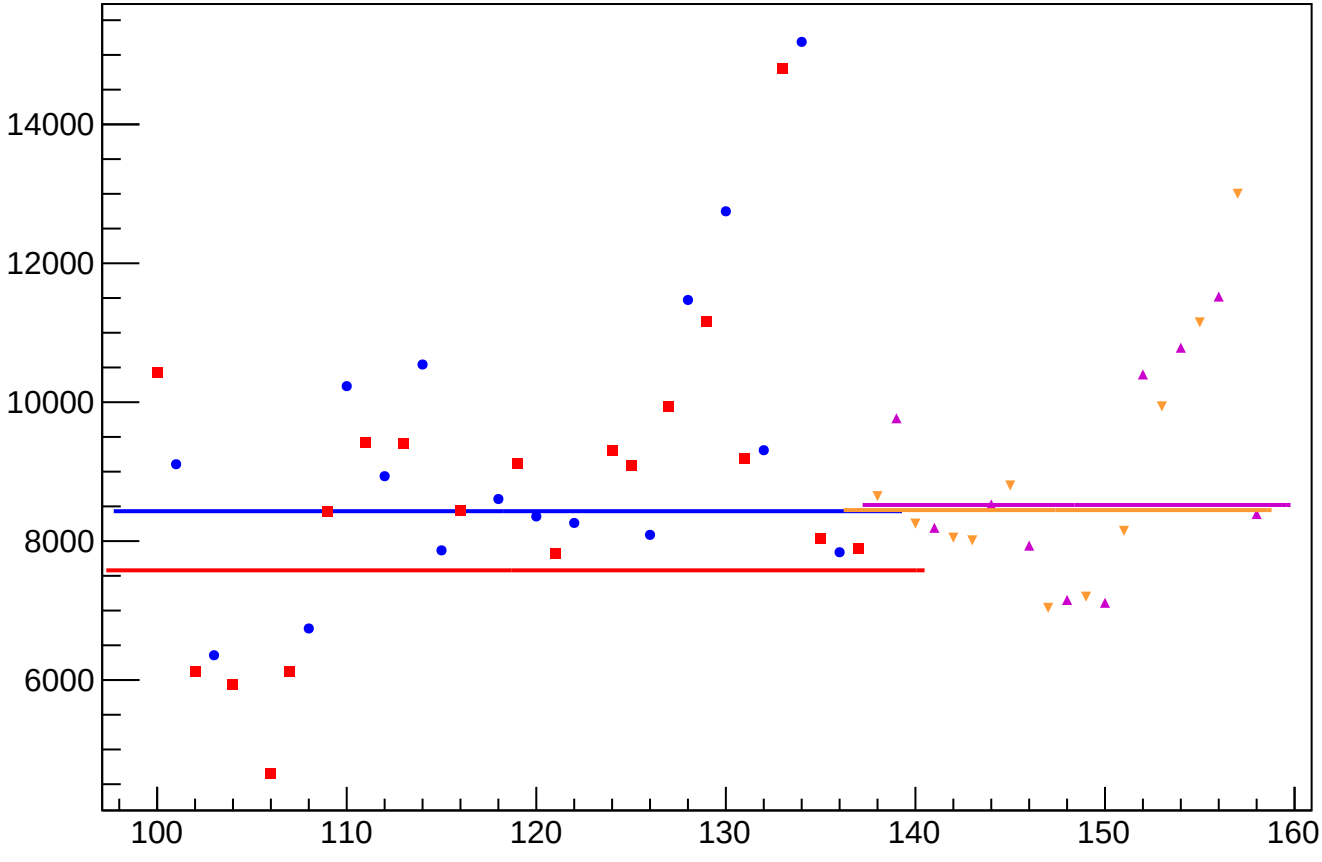
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -397.998+/-2163.813 χ^2/NDF:19.4/25

Out: 1426.707+/-2048.850 χ^2/NDF:25.9/29

All: 564.114+/-1487.738 χ^2/NDF: 45.6/55

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8446.562+/-2.067 χ^2/NDF:461828.5/10

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8520.490+/-2.071 χ^2/NDF:416198.9/9

Left: 8483.456+/-1.463 χ^2/NDF: 878665.9/20

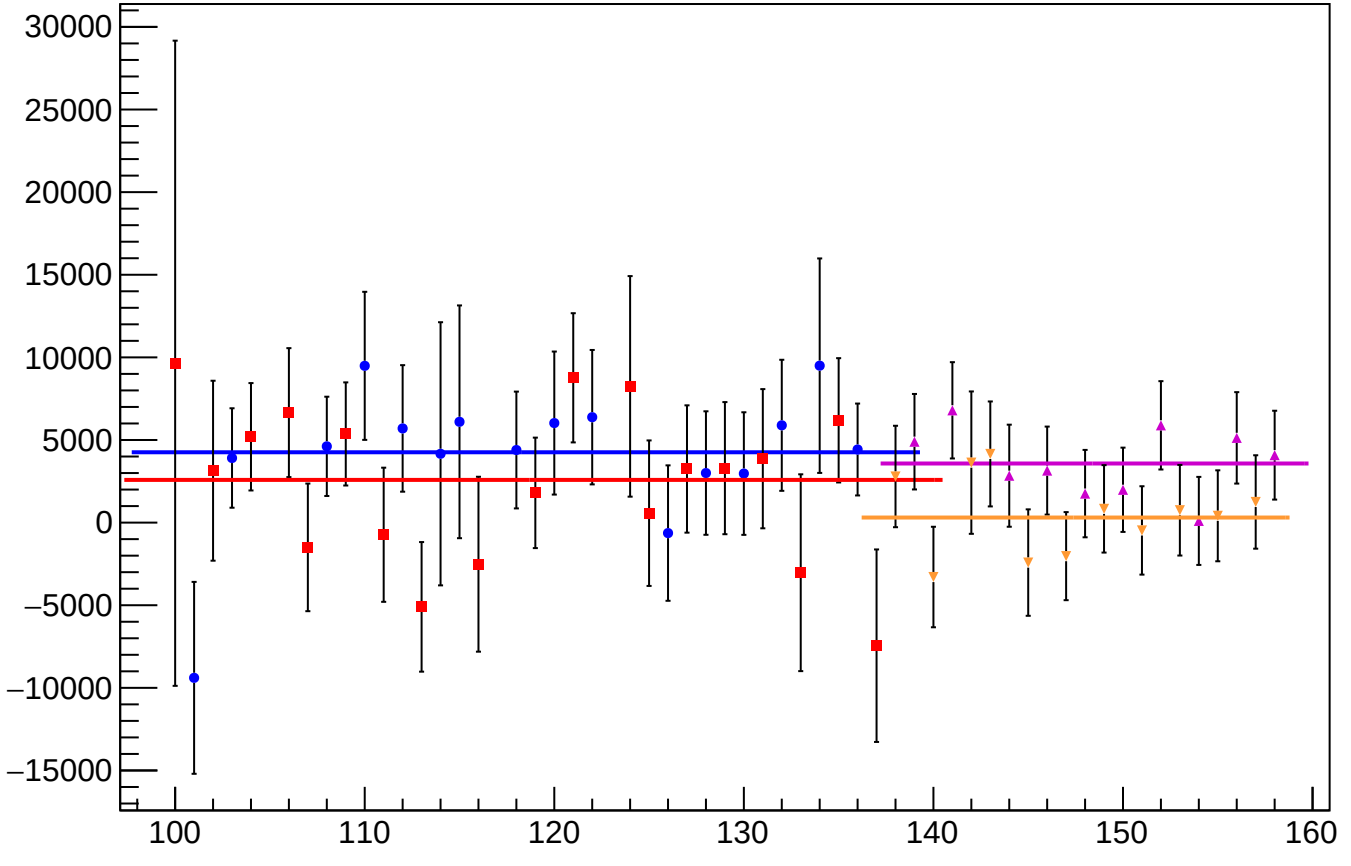
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8479.759+/-1.530 χ^2/NDF:997346.3/25

Out: 8005.385+/-1.449 χ^2/NDF:1525555.9/29

All: 8229.636+/-1.052 χ^2/NDF: 2573585.6/55

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 307.190+/-884.844 χ^2/NDF:5.9/10

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3577.527+/-867.112 χ^2/NDF:5.2/9

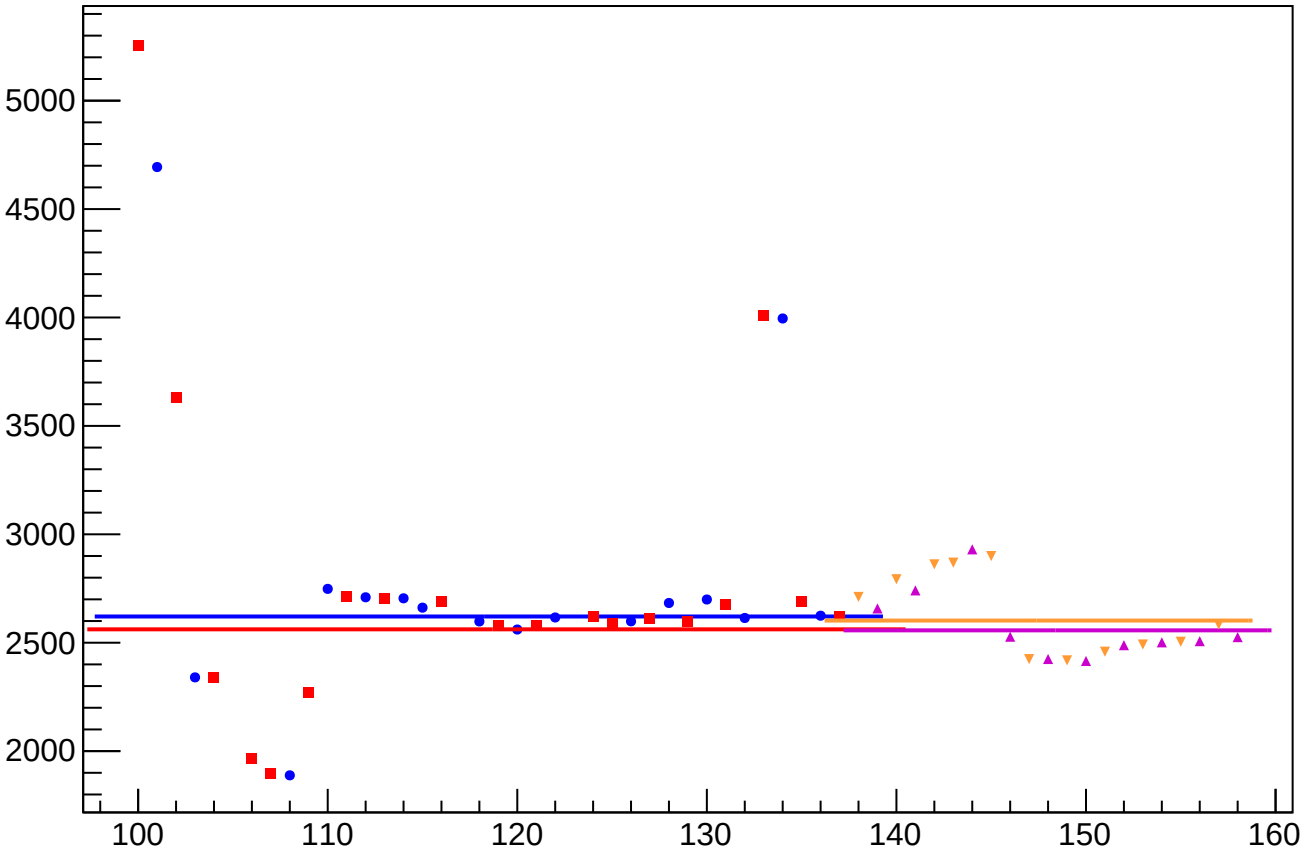
Left: 1975.454+/-619.315 χ^2/NDF: 18.0/20

Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3872.308+/-652.442 χ^2/NDF:15.5/25

Out: 1346.214+/-652.502 χ^2/NDF:26.5/29

All: 2609.378+/-461.367 χ^2/NDF: 49.5/55



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2602.269+/-0.626 χ^2/NDF:78947.0/10

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2557.061+/-0.613 χ^2/NDF:54184.7/9

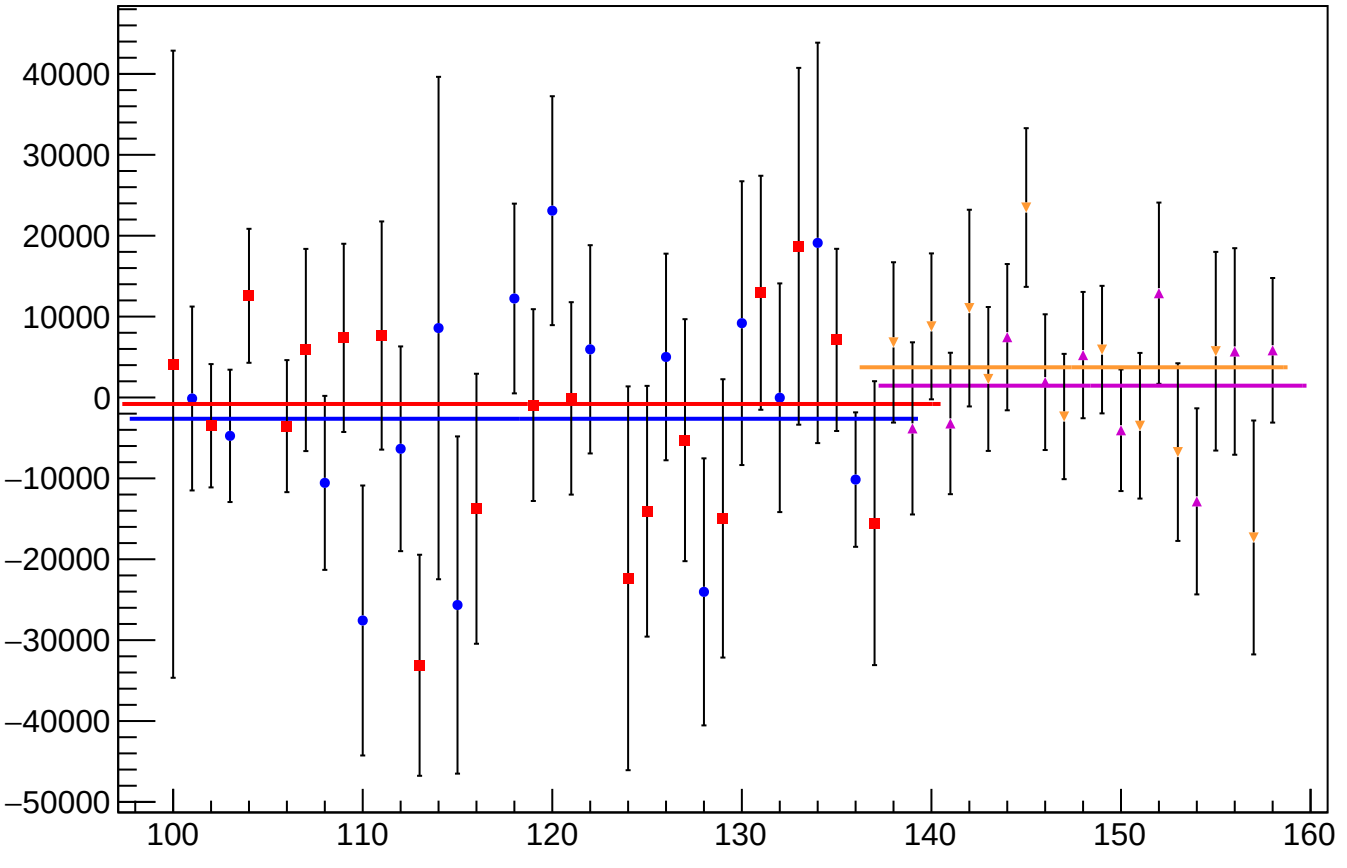
Left: 2579.207+/-0.438 χ^2/NDF: 135794.8/20

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2584.785+/-0.461 χ^2/NDF:544811.5/25

Out: 2583.757+/-0.461 χ^2/NDF:459123.4/29

All: 2584.271+/-0.326 χ^2/NDF: 1003937.4/55



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 3734.246+/-2922.734 χ^2/NDF:9.2/10

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 1459.245+/-2928.262 χ^2/NDF:4.7/9

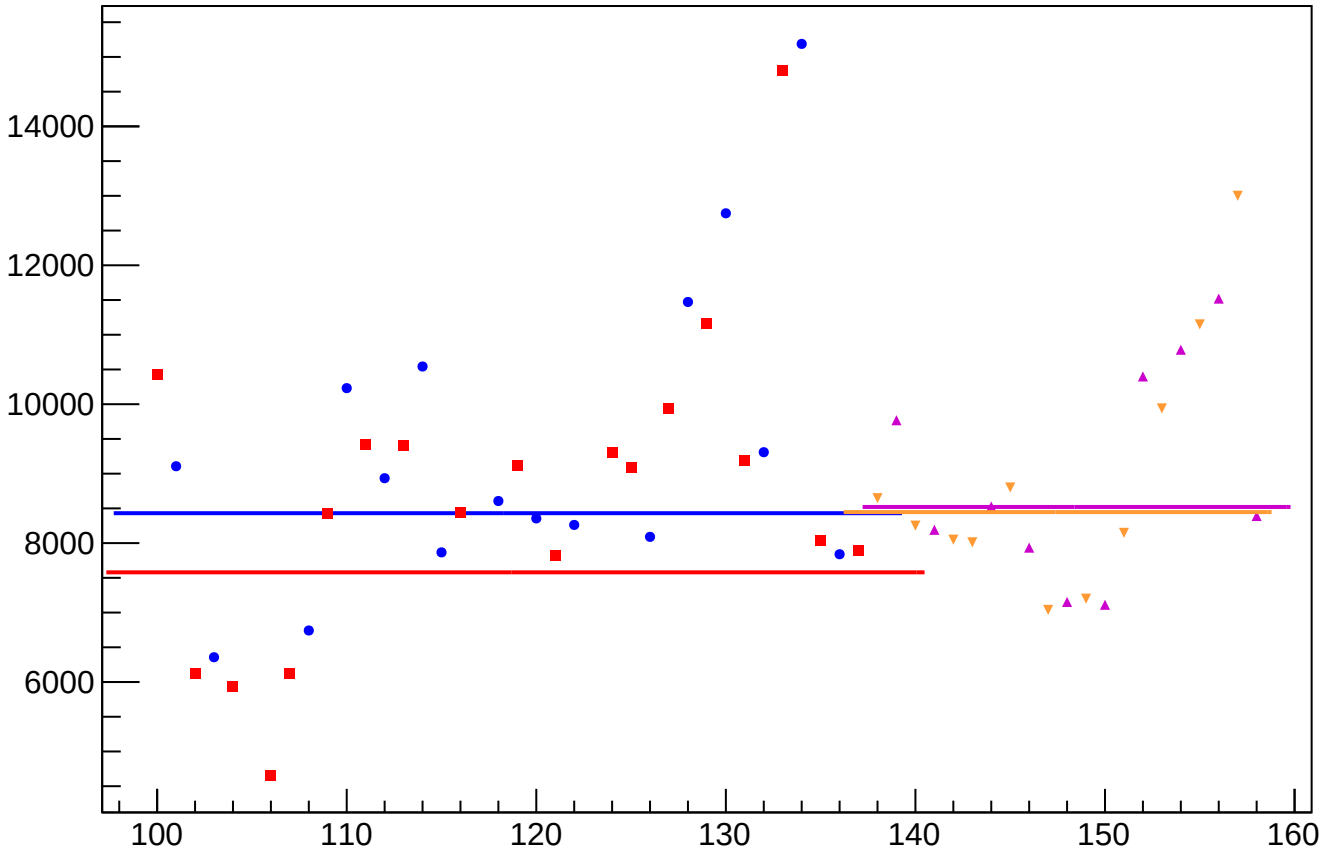
Left: 2598.895+/-2068.637 χ^2/NDF: 14.2/20

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -397.990+/-2163.813 χ^2/NDF:19.4/25

Out: 1426.699+/-2048.850 χ^2/NDF:25.9/29

All: 564.113+/-1487.738 χ^2/NDF: 45.6/55



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8446.574+/-2.067 χ^2/NDF:461826.8/10

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8520.501+/-2.071 χ^2/NDF:416196.7/9

Left: 8483.468+/-1.463 χ^2/NDF: 878662.1/20

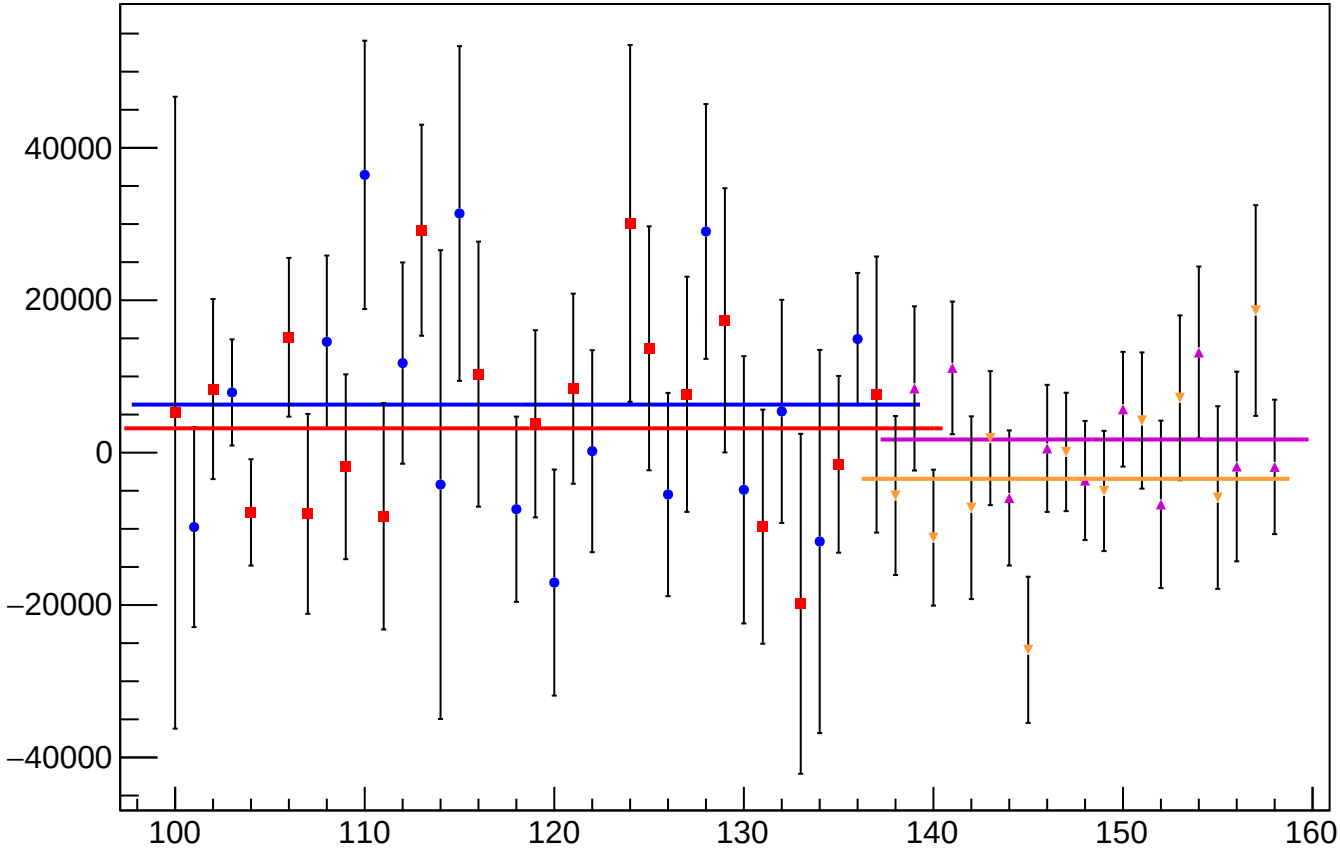
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8479.761+/-1.530 χ^2/NDF:997338.8/25

Out: 8005.383+/-1.449 χ^2/NDF:1525555.3/29

All: 8229.636+/-1.052 χ^2/NDF: 2573578.3/55

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -3437.347+/-2906.421 χ^2/NDF:11.3/10

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1724.581+/-2906.137 χ^2/NDF:4.9/9

Left: -856.130+/-2055.050 χ^2/NDF: 17.8/20

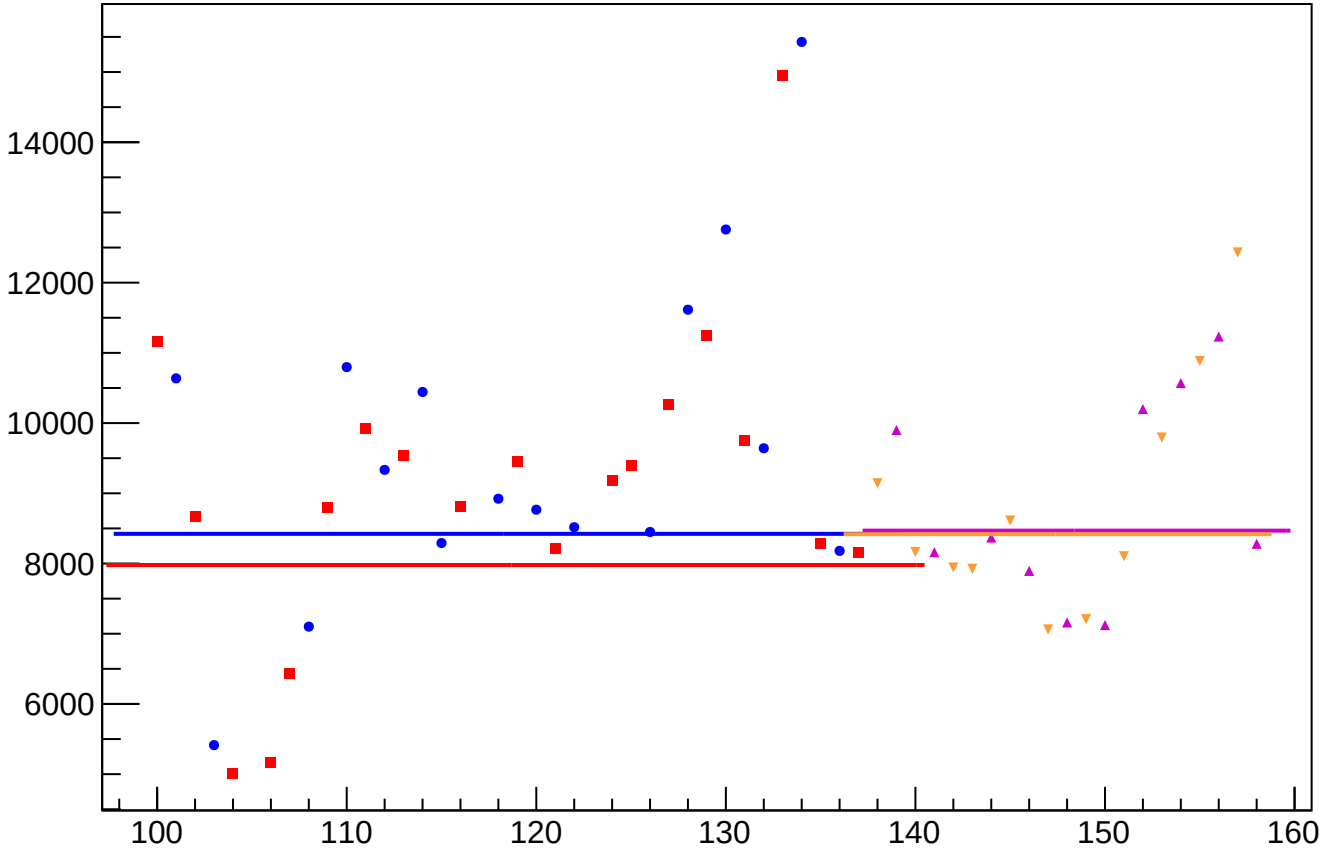
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3767.825+/-2163.298 χ^2/NDF:21.2/25

Out: -303.779+/-2110.170 χ^2/NDF:27.6/29

All: 1681.413+/-1510.549 χ^2/NDF: 50.6/55

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8417.747+/-2.055 χ^2/NDF:417597.0/10

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8468.270+/-2.055 χ^2/NDF:386300.6/9

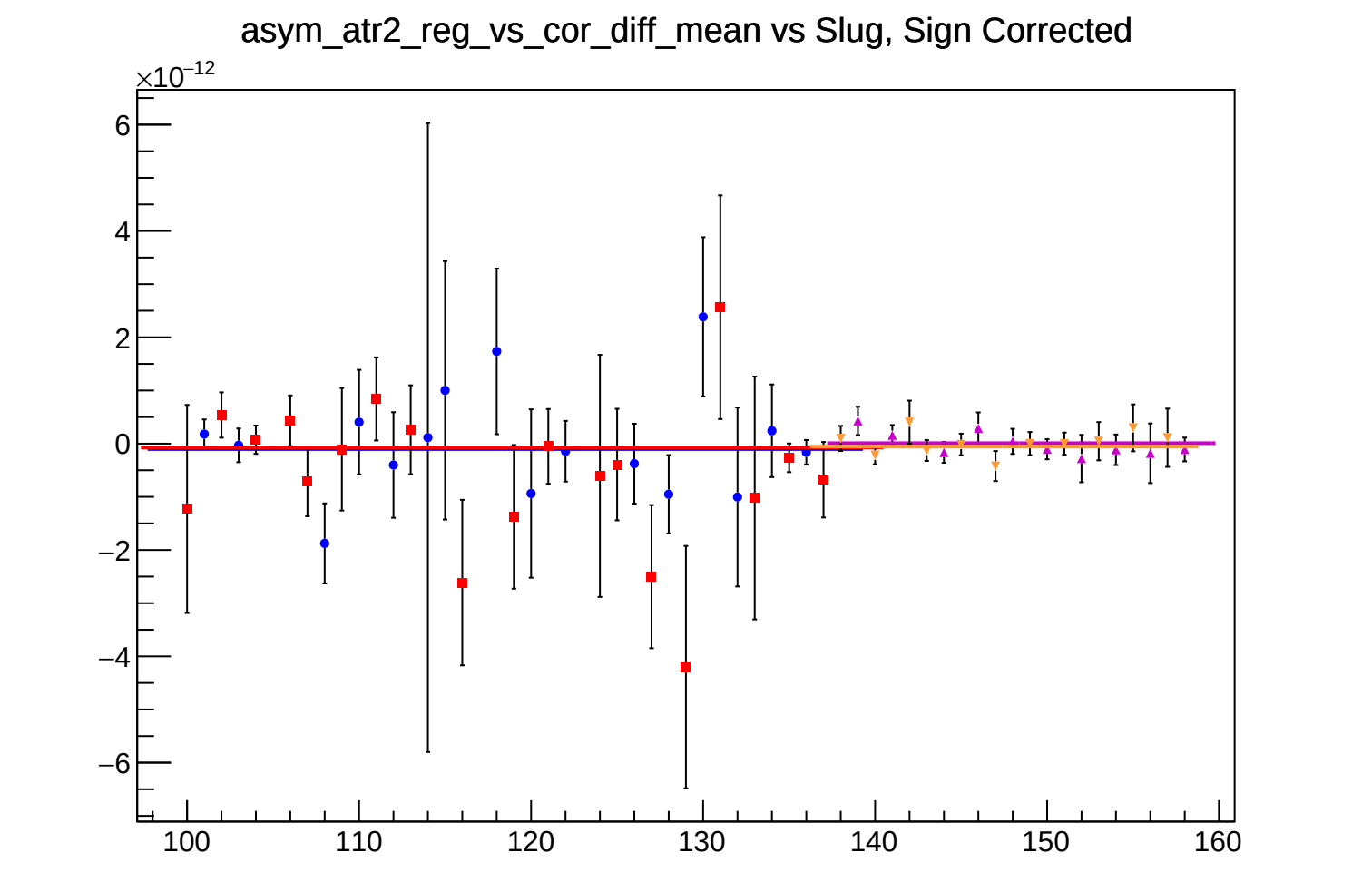
Left: 8443.011+/-1.453 χ^2/NDF: 804199.8/20

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8447.959+/-1.530 χ^2/NDF:1268353.6/25

Out: 8210.271+/-1.492 χ^2/NDF:1455168.5/29

All: 8326.160+/-1.068 χ^2/NDF: 2735894.4/55



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

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

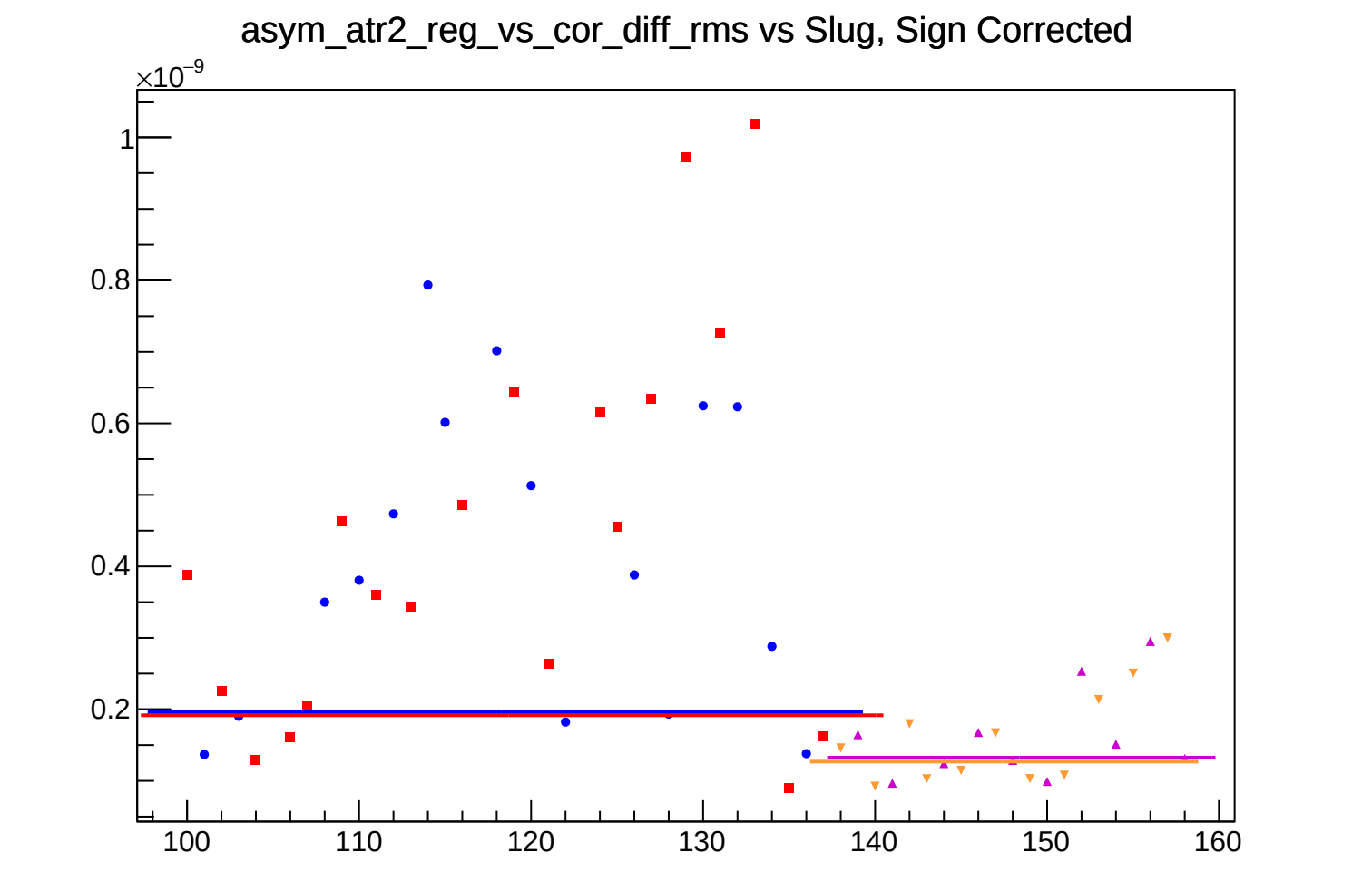
Left: -0.000+/-0.000 χ^2/NDF: 11.9/20

Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: -0.000+/-0.000 χ^2/NDF:20.3/25

Out: -0.000+/-0.000 χ^2/NDF:25.1/29

All: -0.000+/-0.000 χ^2/NDF: 45.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:720894.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:516161.7/9

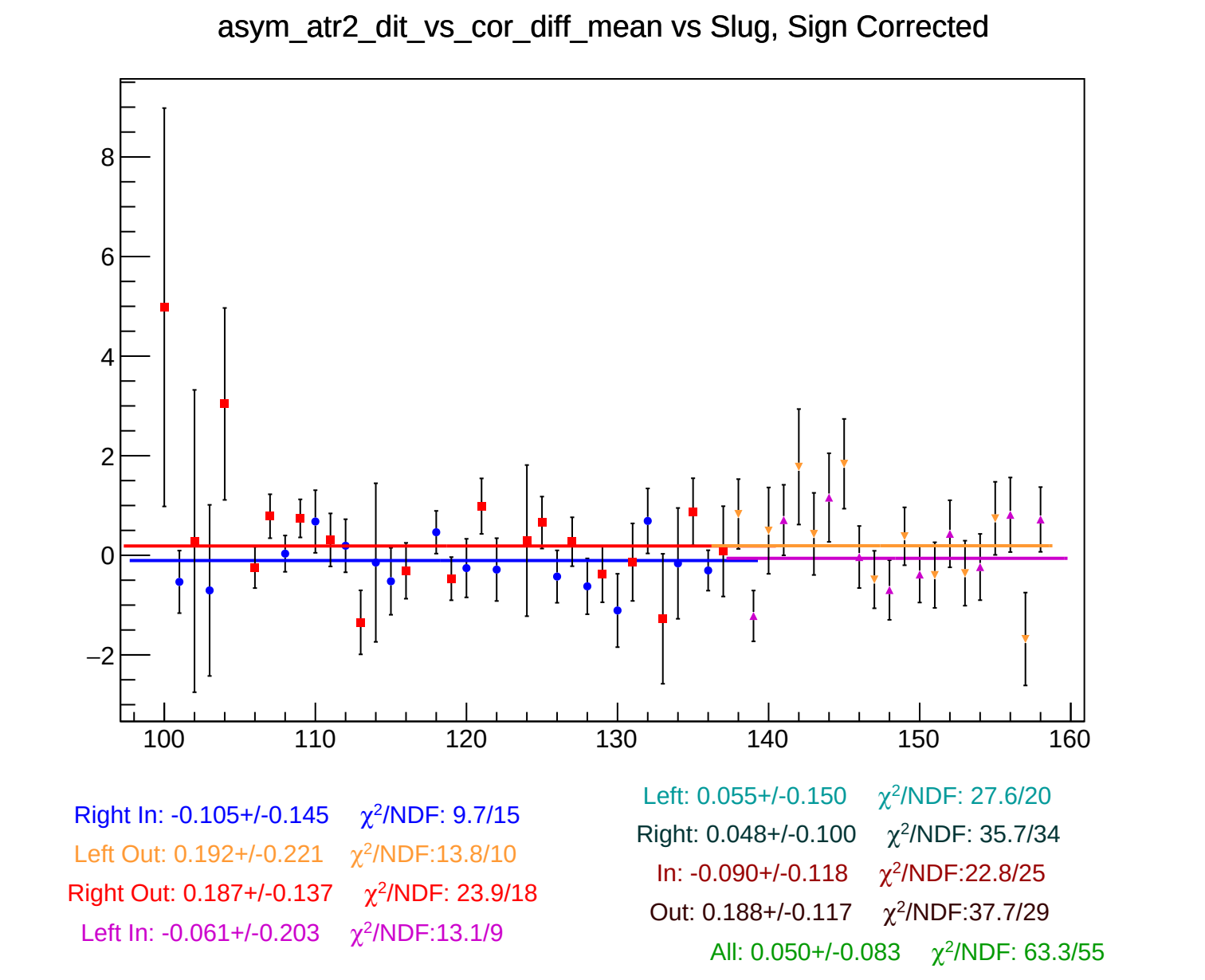
Left: 0.000+/-0.000 χ^2/NDF: 1242363.5/20

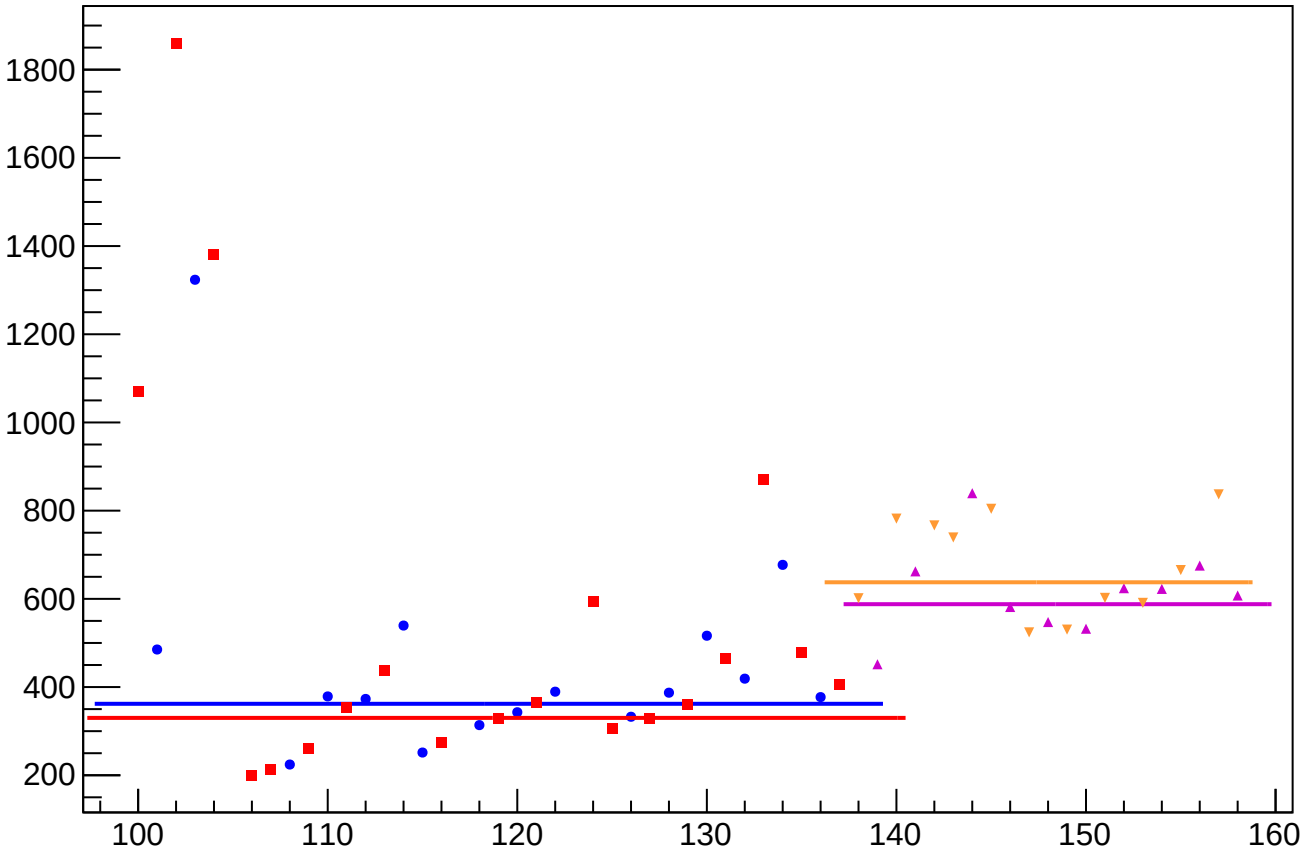
Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:2194500.2/25

Out: 0.000+/-0.000 χ^2/NDF:3124130.7/29

All: 0.000+/-0.000 χ^2/NDF: 5330466.7/55


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.192+/-0.221 χ²/NDF:13.8/10
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.061+/-0.203 χ²/NDF:13.1/9
Left: 0.055+/-0.150 χ²/NDF: 27.6/20
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.090+/-0.118 χ²/NDF:22.8/25
Out: 0.188+/-0.117 χ²/NDF:37.7/29
All: 0.050+/-0.083 χ²/NDF: 63.3/55



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.590+/-0.156 χ^2/NDF:440266.1/10

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 587.918+/-0.144 χ^2/NDF:393671.3/9

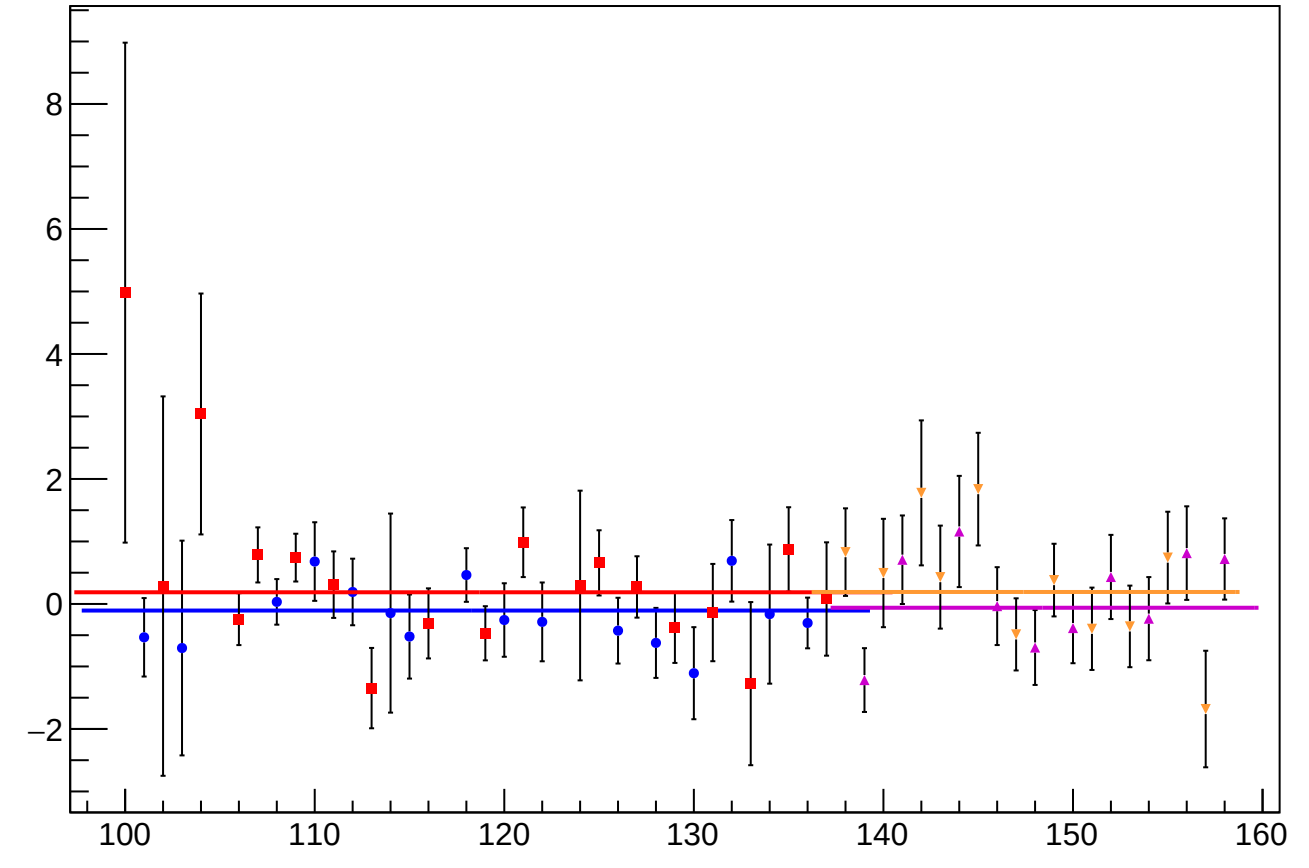
Left: 610.646+/-0.106 χ^2/NDF: 888637.8/20

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 438.045+/-0.083 χ^2/NDF:3411307.1/25

Out: 415.702+/-0.083 χ^2/NDF:5475484.7/29

All: 426.766+/-0.059 χ^2/NDF: 8923078.6/55



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.061+/-0.203 χ^2/NDF:13.1/9

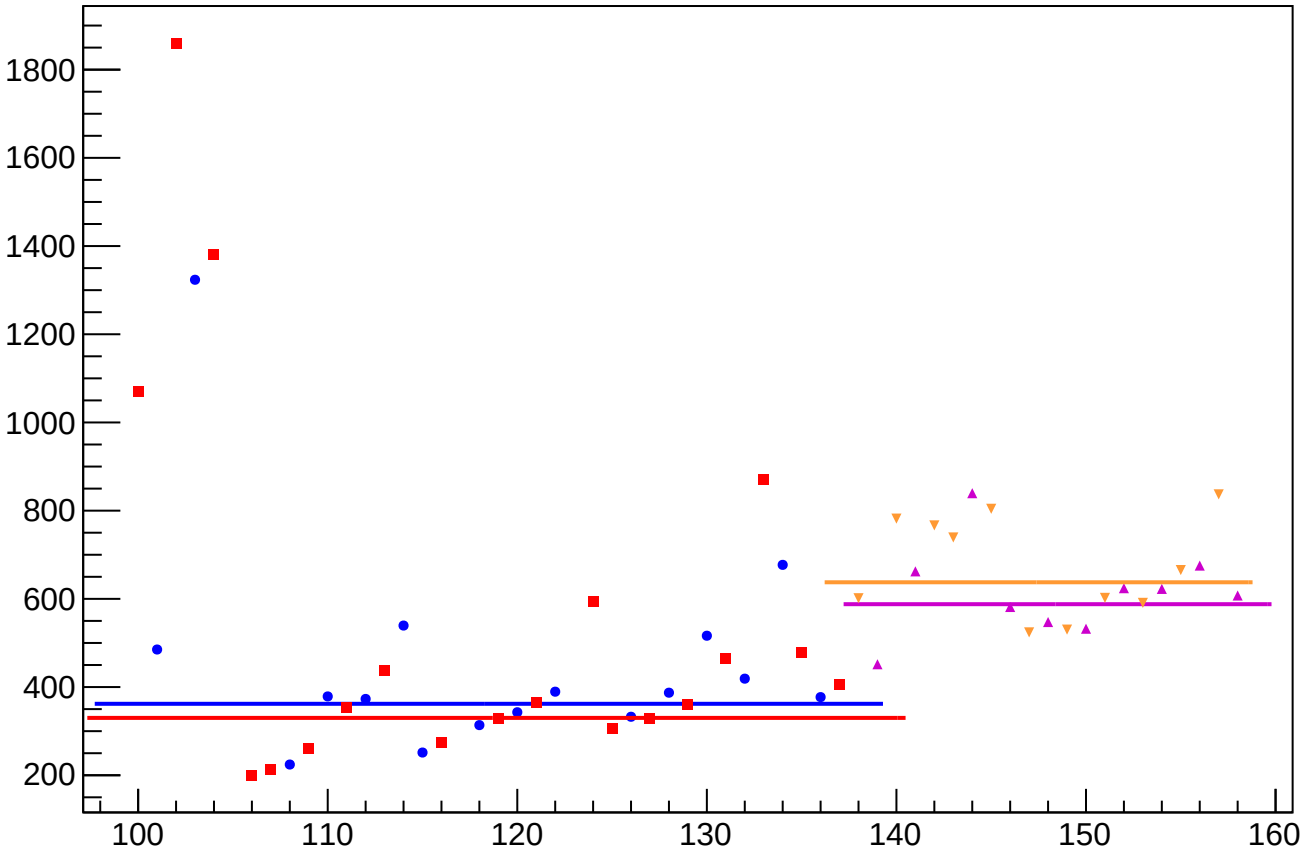
Left: 0.055+/-0.150 χ^2/NDF: 27.6/20

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.090+/-0.118 χ^2/NDF:22.8/25

Out: 0.188+/-0.117 χ^2/NDF:37.7/29

All: 0.050+/-0.083 χ^2/NDF: 63.3/55



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.590+/-0.156 χ^2/NDF:440266.1/10

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 587.918+/-0.144 χ^2/NDF:393671.3/9

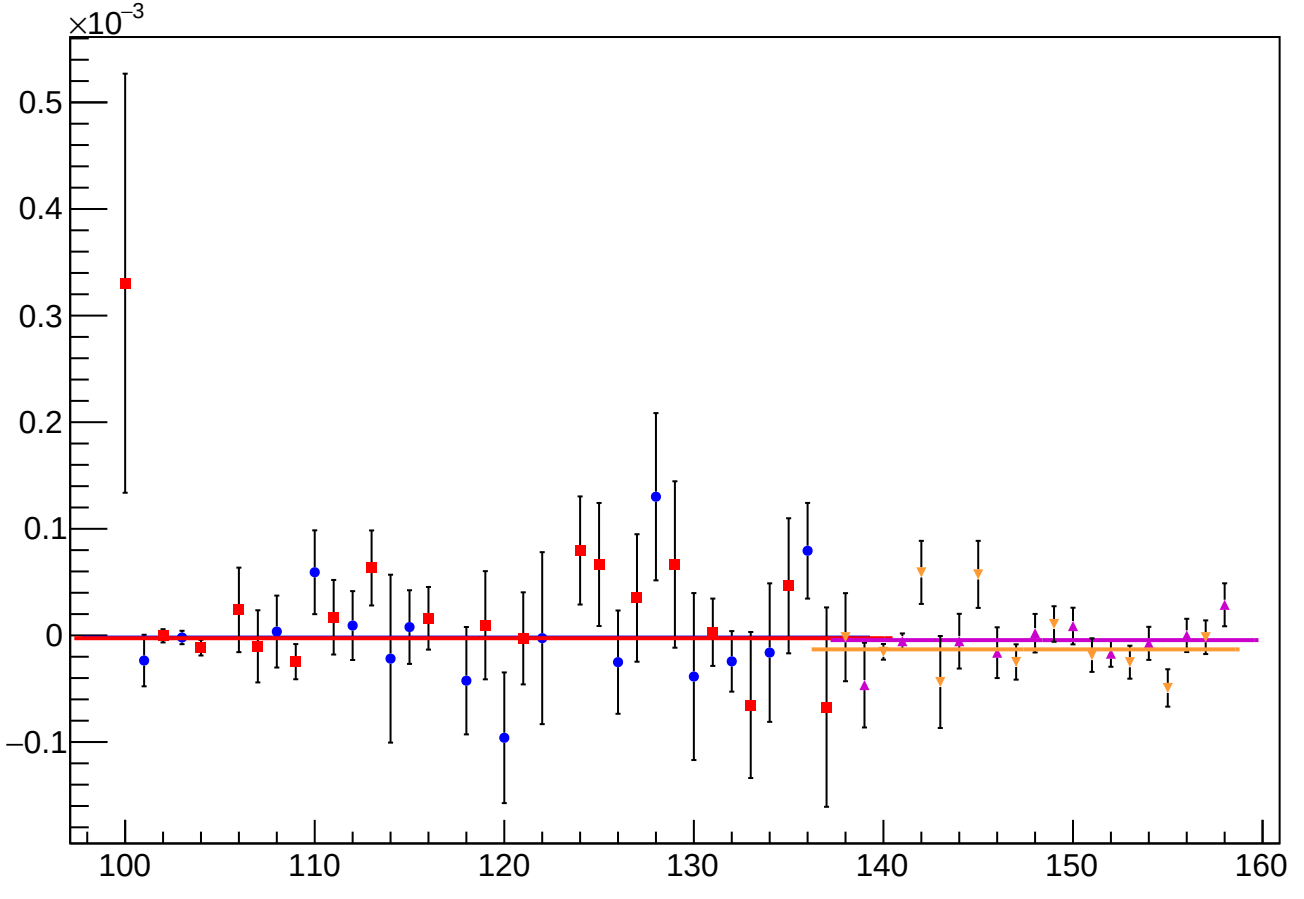
Left: 610.646+/-0.106 χ^2/NDF: 888637.8/20

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 438.045+/-0.083 χ^2/NDF:3411307.1/25

Out: 415.702+/-0.083 χ^2/NDF:5475484.7/29

All: 426.766+/-0.059 χ^2/NDF: 8923078.6/55



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

Left Out: -0.000+/-0.000 χ^2/NDF:19.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/9

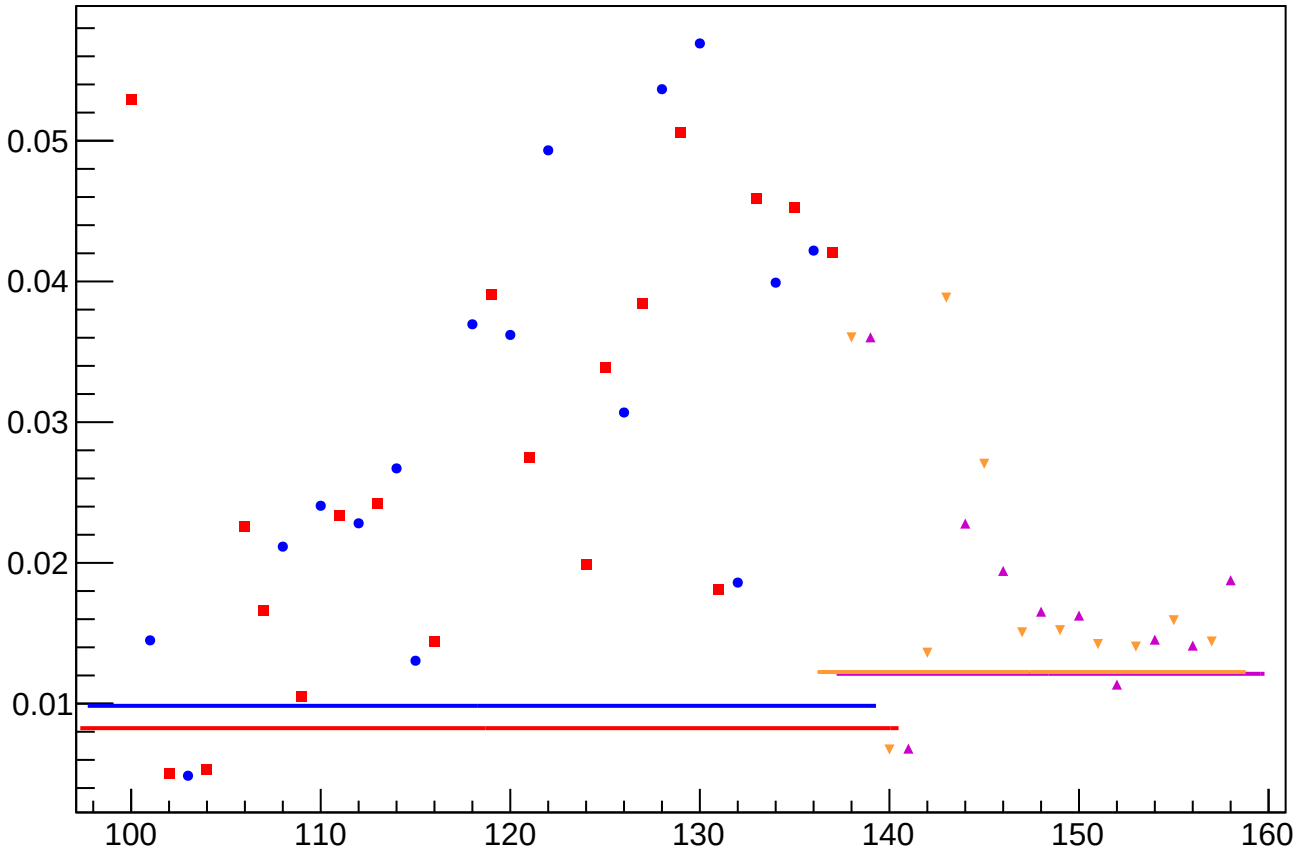
Left: -0.000+/-0.000 χ^2/NDF: 27.4/20

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:19.9/25

Out: -0.000+/-0.000 χ^2/NDF:40.6/29

All: -0.000+/-0.000 χ^2/NDF: 61.1/55



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:3299053.5/10

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:2878204.8/9

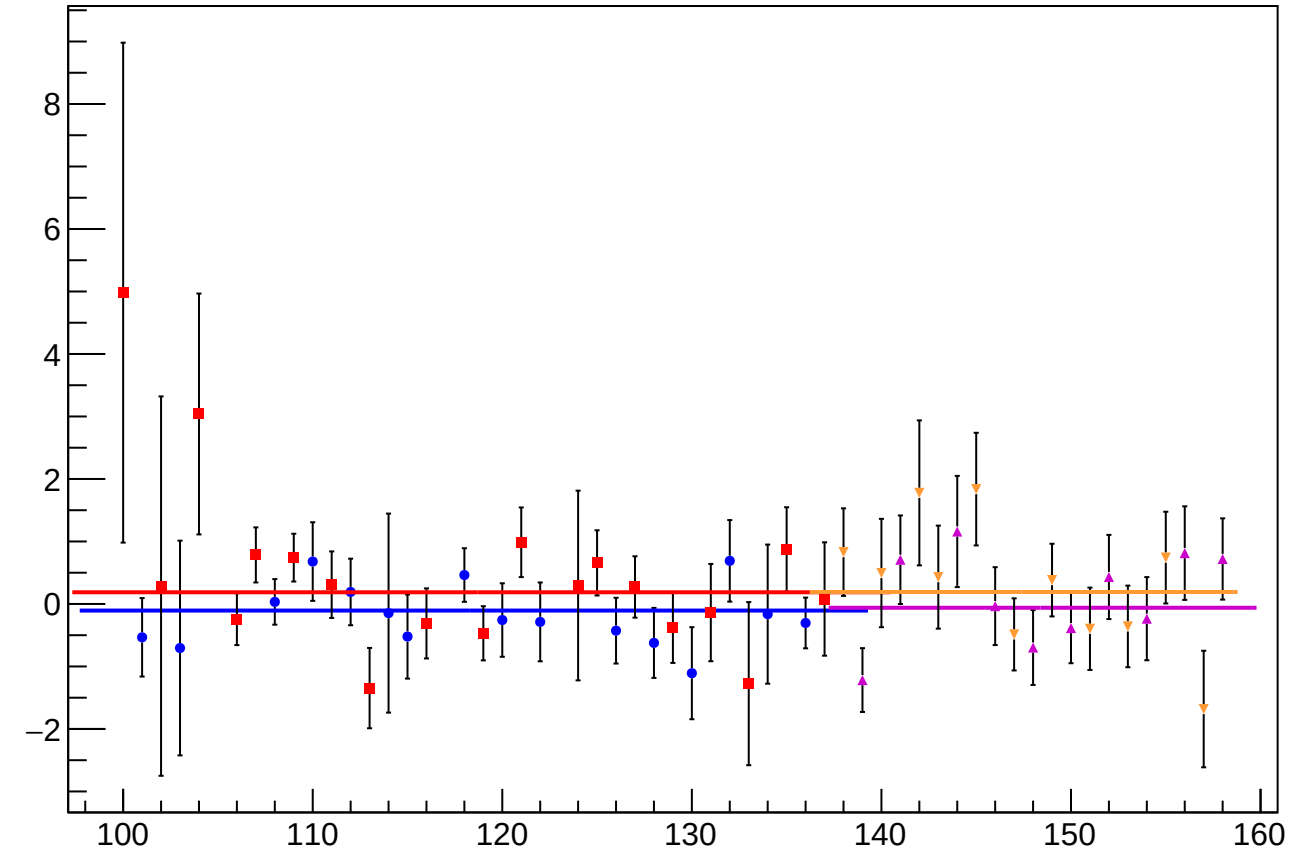
Left: 0.012+/-0.000 χ^2/NDF: 6177984.1/20

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:10135308.5/25

Out: 0.010+/-0.000 χ^2/NDF:10829170.1/29

All: 0.011+/-0.000 χ^2/NDF: 21080030.2/55



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.061+/-0.203 χ^2/NDF:13.1/9

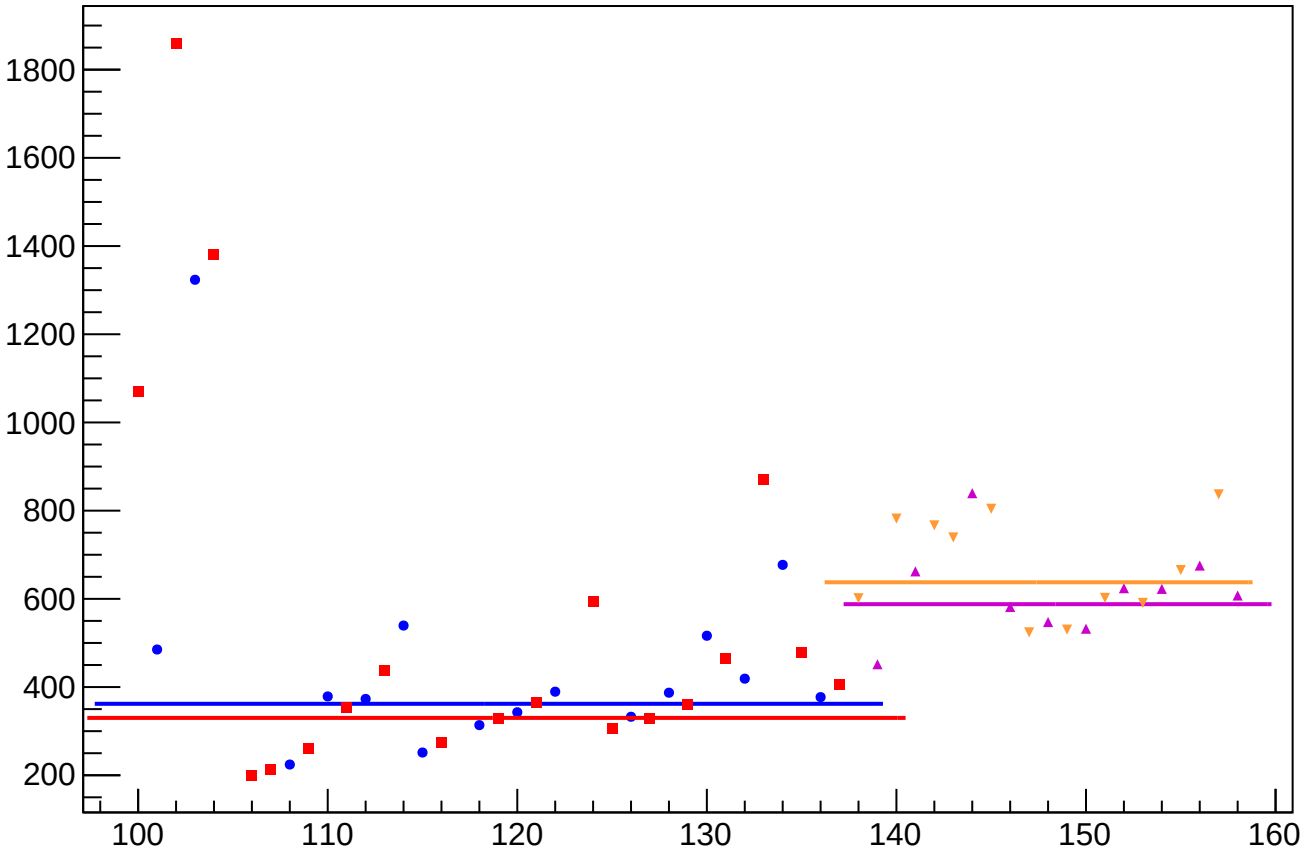
Left: 0.055+/-0.150 χ^2/NDF: 27.6/20

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.090+/-0.118 χ^2/NDF:22.8/25

Out: 0.188+/-0.117 χ^2/NDF:37.7/29

All: 0.050+/-0.083 χ^2/NDF: 63.3/55



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.598+/-0.156 χ^2/NDF:440248.9/10

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 587.926+/-0.144 χ^2/NDF:393646.1/9

Left: 610.654+/-0.106 χ^2/NDF: 888593.6/20

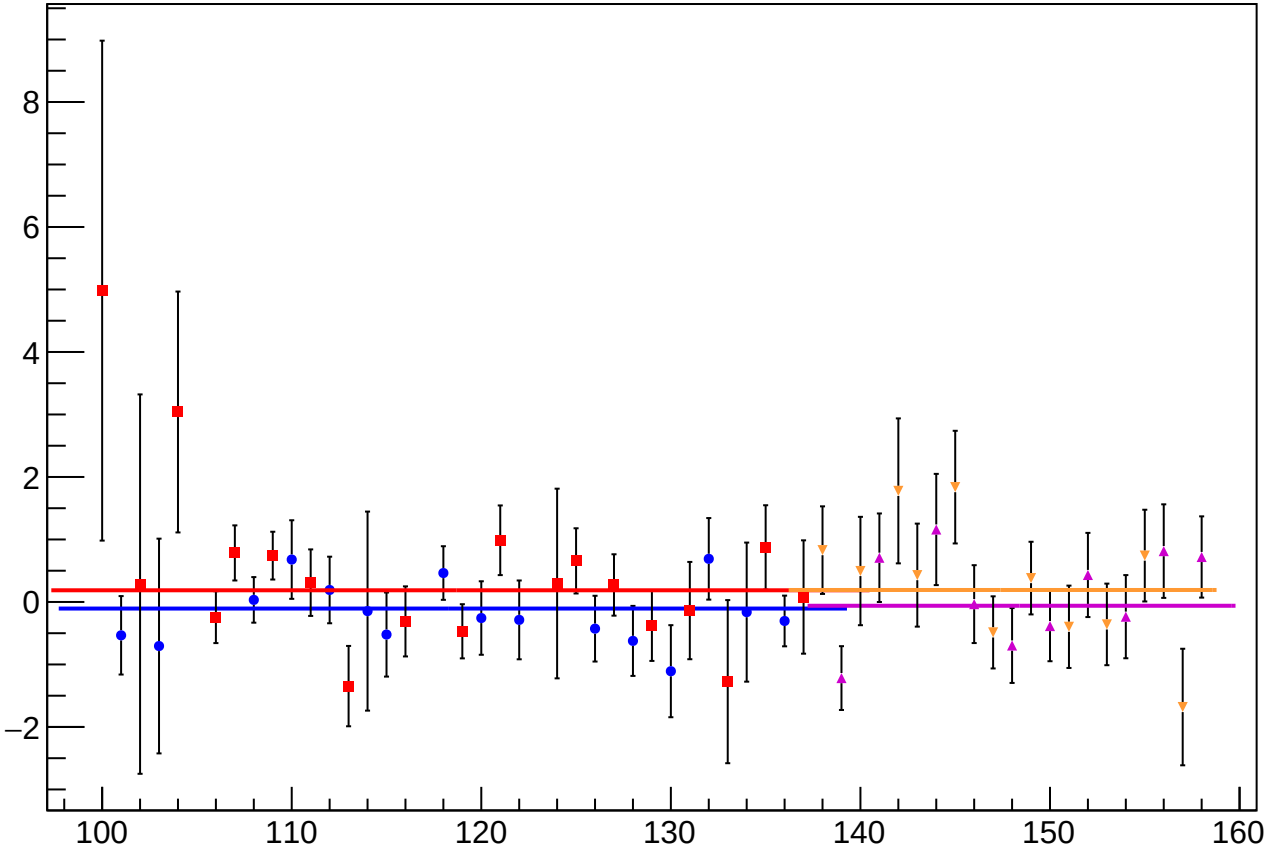
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 438.044+/-0.083 χ^2/NDF:3411417.2/25

Out: 415.702+/-0.083 χ^2/NDF:5475581.4/29

All: 426.765+/-0.059 χ^2/NDF: 8923284.2/55

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: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.061+/-0.203 χ^2/NDF:13.1/9

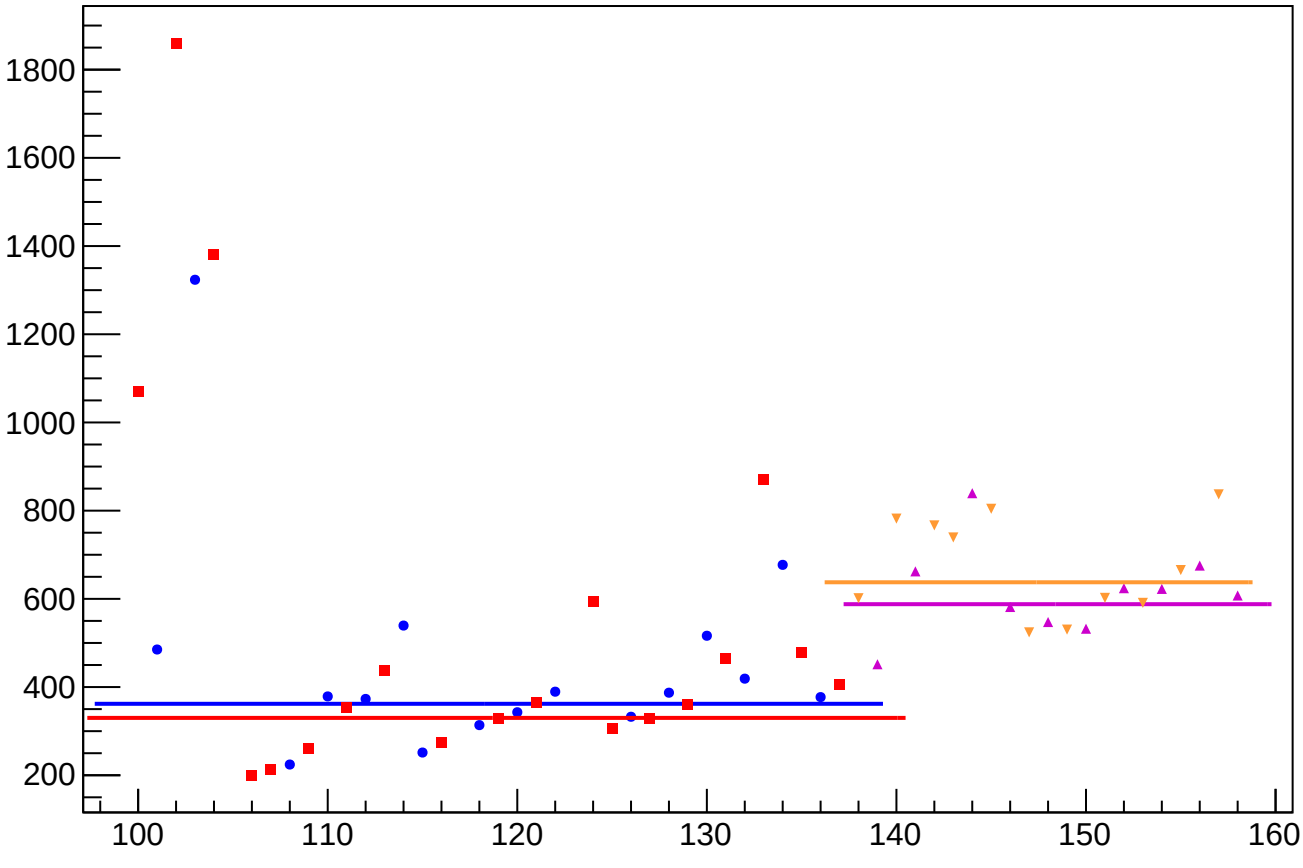
Left: 0.055+/-0.150 χ^2/NDF: 27.6/20

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.090+/-0.118 χ^2/NDF:22.8/25

Out: 0.188+/-0.117 χ^2/NDF:37.7/29

All: 0.050+/-0.083 χ^2/NDF: 63.3/55



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.598+/-0.156 χ^2/NDF:440248.9/10

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 587.926+/-0.144 χ^2/NDF:393646.1/9

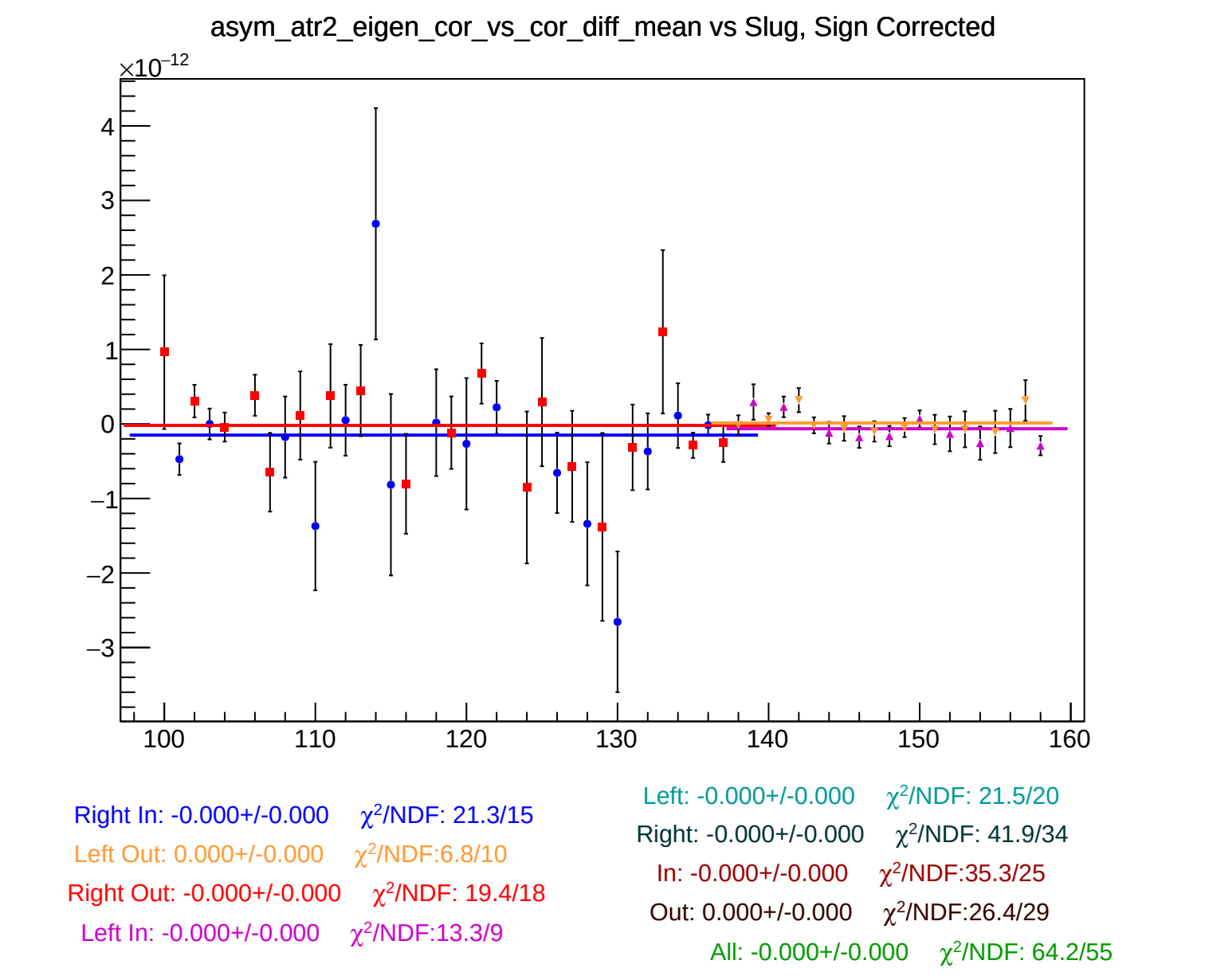
Left: 610.654+/-0.106 χ^2/NDF: 888593.6/20

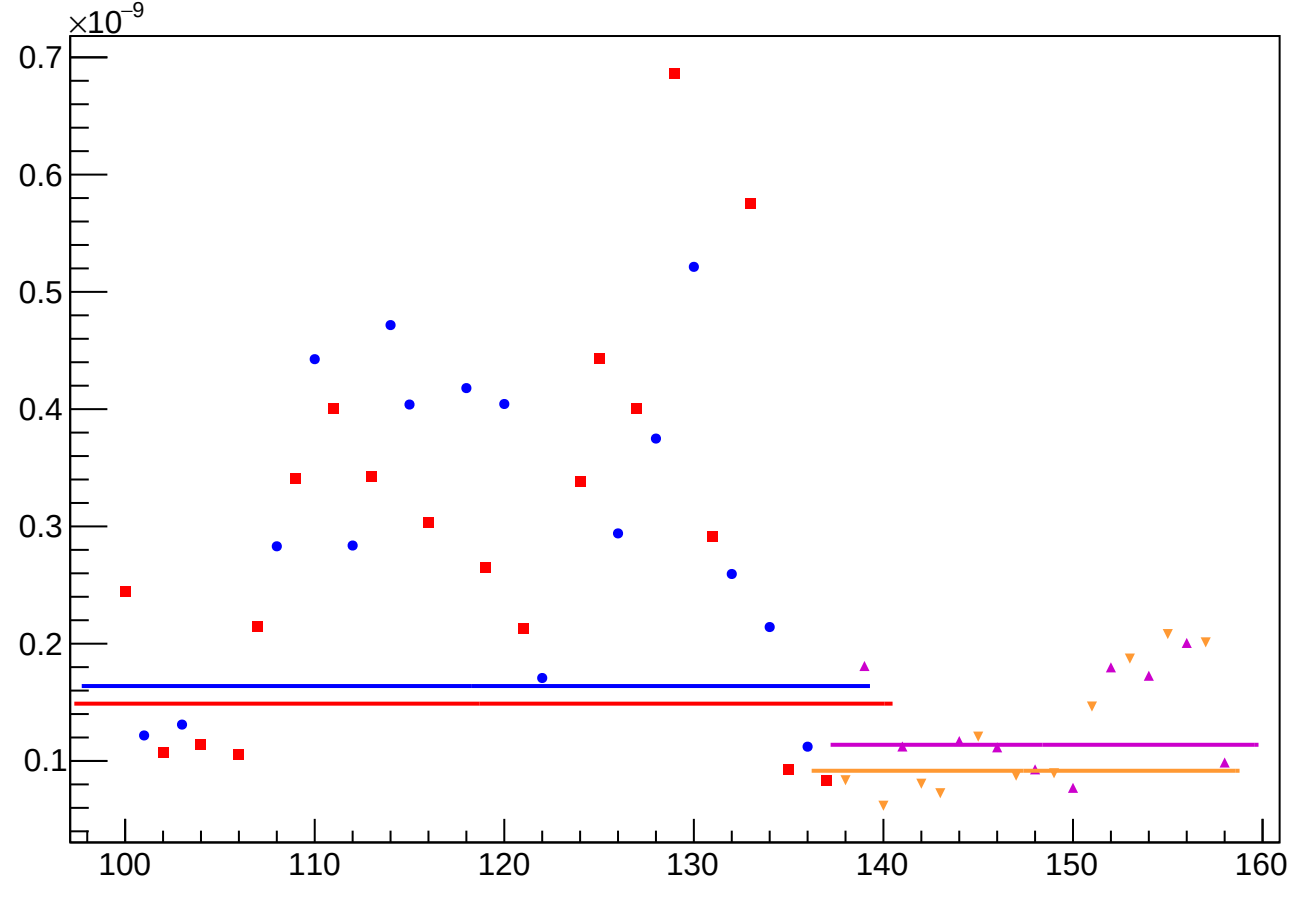
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 438.044+/-0.083 χ^2/NDF:3411417.2/25

Out: 415.702+/-0.083 χ^2/NDF:5475581.4/29

All: 426.765+/-0.059 χ^2/NDF: 8923284.2/55


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:6.8/10
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:13.3/9
Left: -0.000+/-0.000 χ²/NDF: 21.5/20
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:35.3/25
Out: 0.000+/-0.000 χ²/NDF:26.4/29
All: -0.000+/-0.000 χ²/NDF: 64.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1519310.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:971864.1/9

Left: 0.000+/-0.000 χ^2/NDF: 2720215.7/20

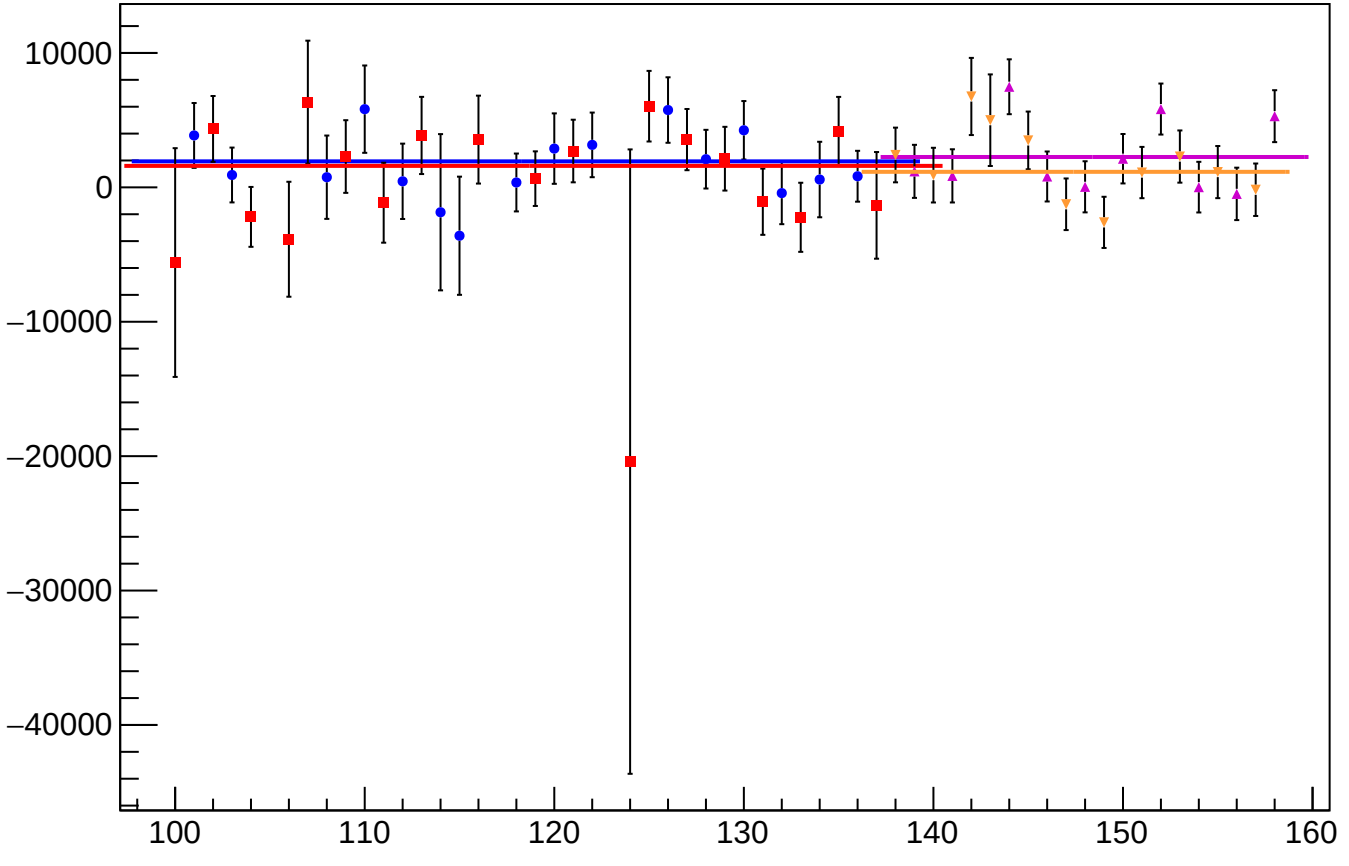
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3482088.0/25

Out: 0.000+/-0.000 χ^2/NDF:5107763.8/29

All: 0.000+/-0.000 χ^2/NDF: 8891129.3/55

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1155.436+/-629.619 χ^2/NDF:13.0/10

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2259.345+/-608.193 χ^2/NDF:18.7/9

Left: 1726.493+/-437.436 χ^2/NDF: 33.3/20

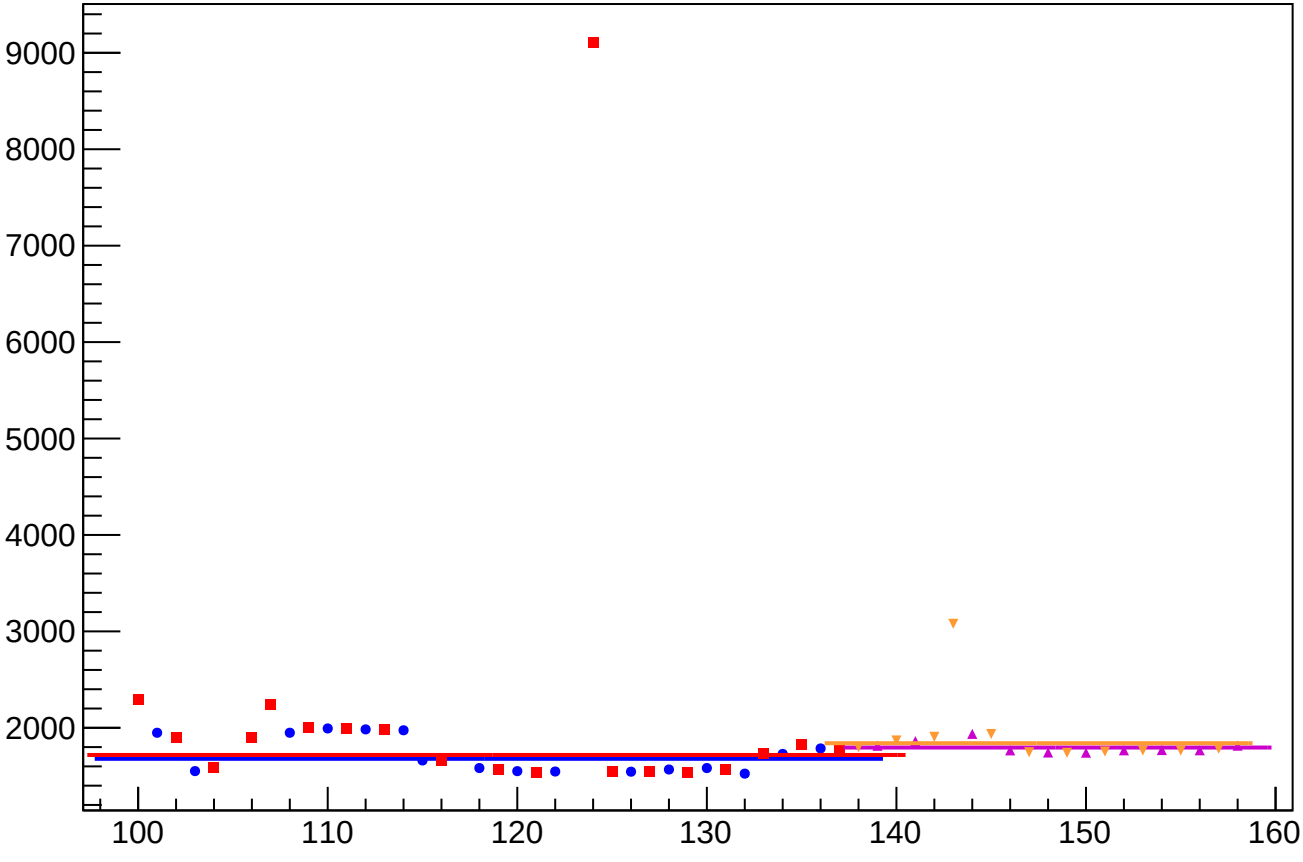
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2102.217+/-436.850 χ^2/NDF:29.7/25

Out: 1372.318+/-449.592 χ^2/NDF:32.6/29

All: 1747.758+/-313.307 χ^2/NDF: 63.7/55

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1840.419+/-0.445 χ^2/NDF:292405.8/10

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

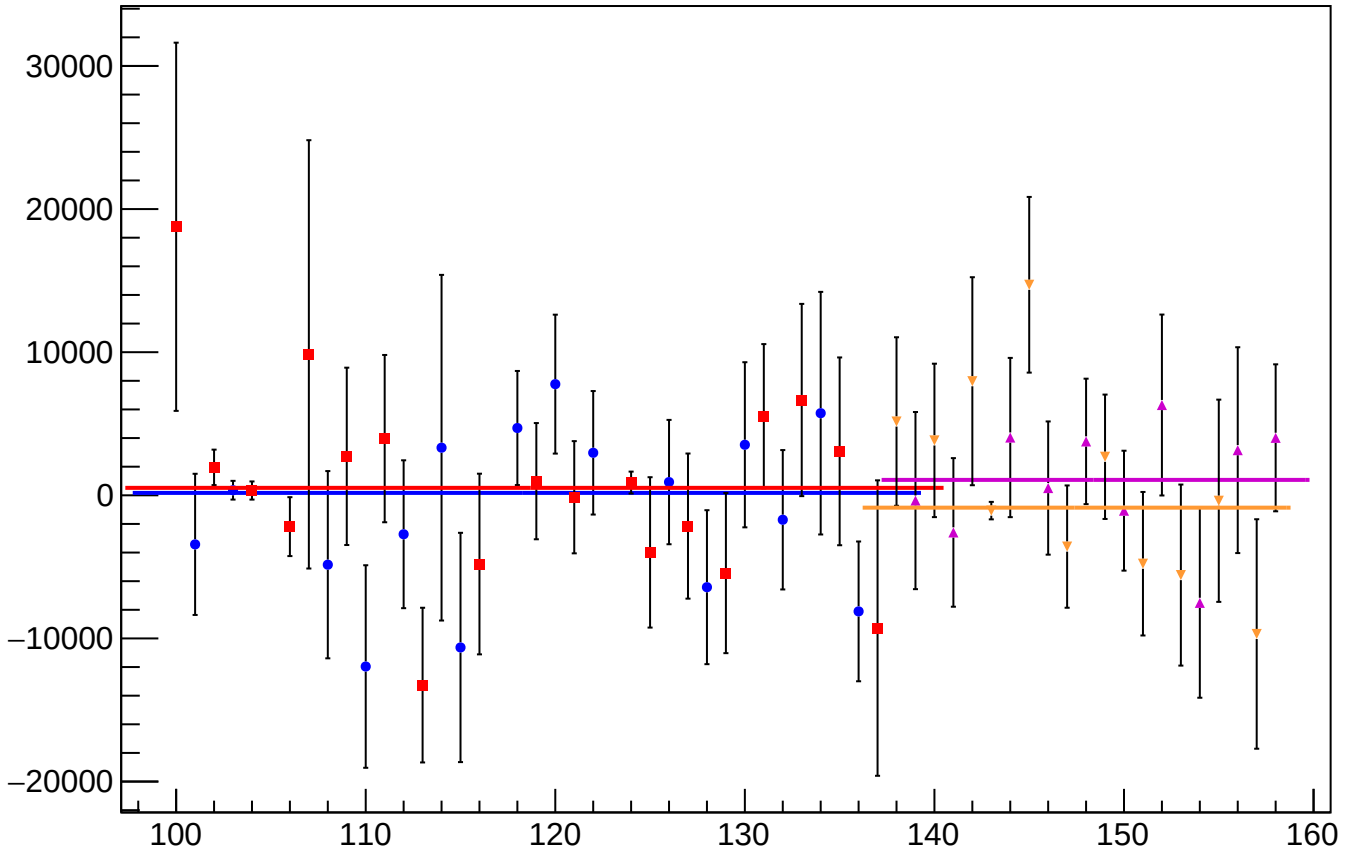
Left: 1817.121+/-0.309 χ^2/NDF: 314882.4/20

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1738.822+/-0.309 χ^2/NDF:194395.7/25

Out: 1780.285+/-0.317 χ^2/NDF:712630.3/29

All: 1759.006+/-0.221 χ^2/NDF: 915796.6/55



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -862.554+/-577.233 χ^2/NDF:13.3/10

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1077.326+/-1676.613 χ^2/NDF:4.3/9

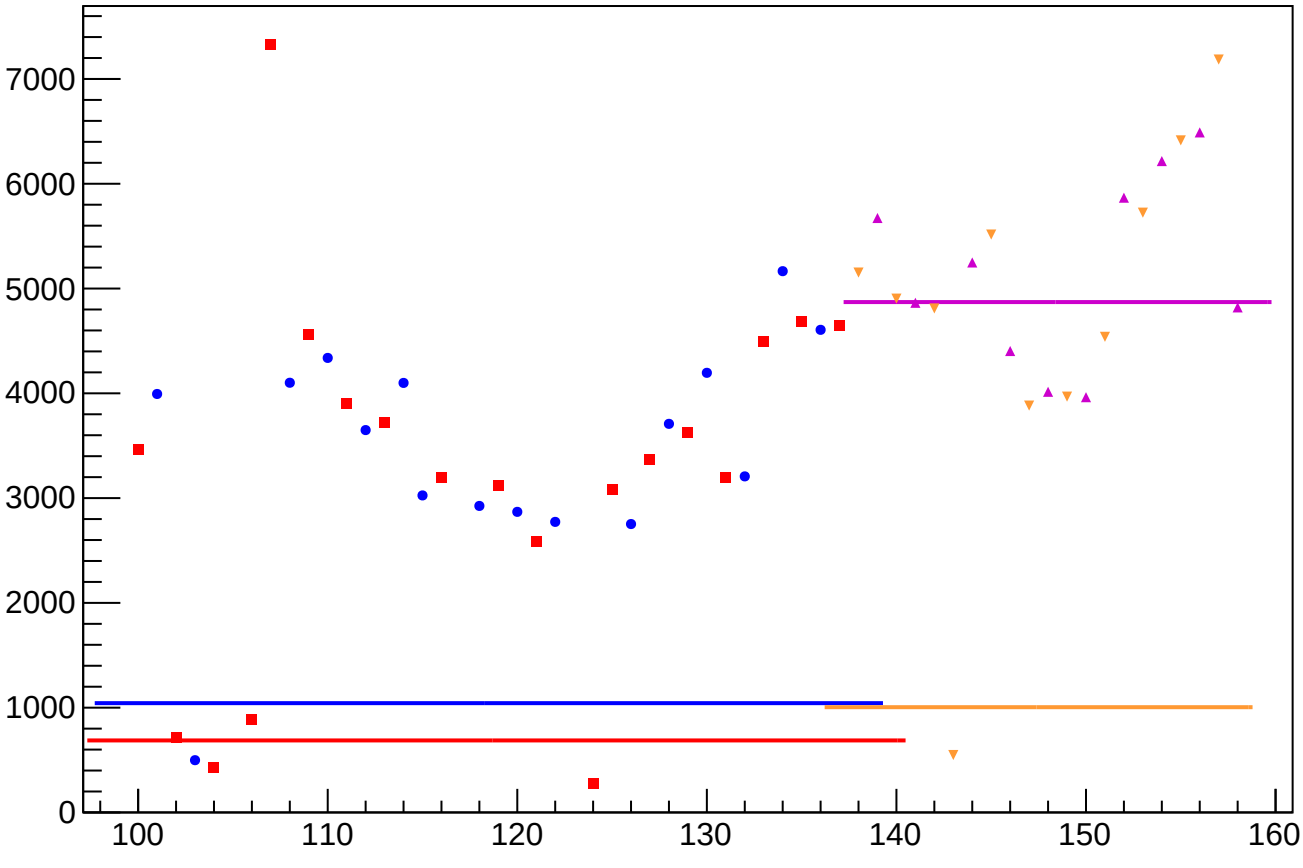
Left: -656.983+/-545.791 χ^2/NDF: 18.8/20

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 268.935+/-557.894 χ^2/NDF:20.4/25

Out: 35.011+/-342.128 χ^2/NDF:35.6/29

All: 98.941+/-291.654 χ^2/NDF: 56.1/55



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1004.527+/-0.408 χ^2/NDF:11104229.8/10

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4870.840+/-1.186 χ^2/NDF:466835.4/9

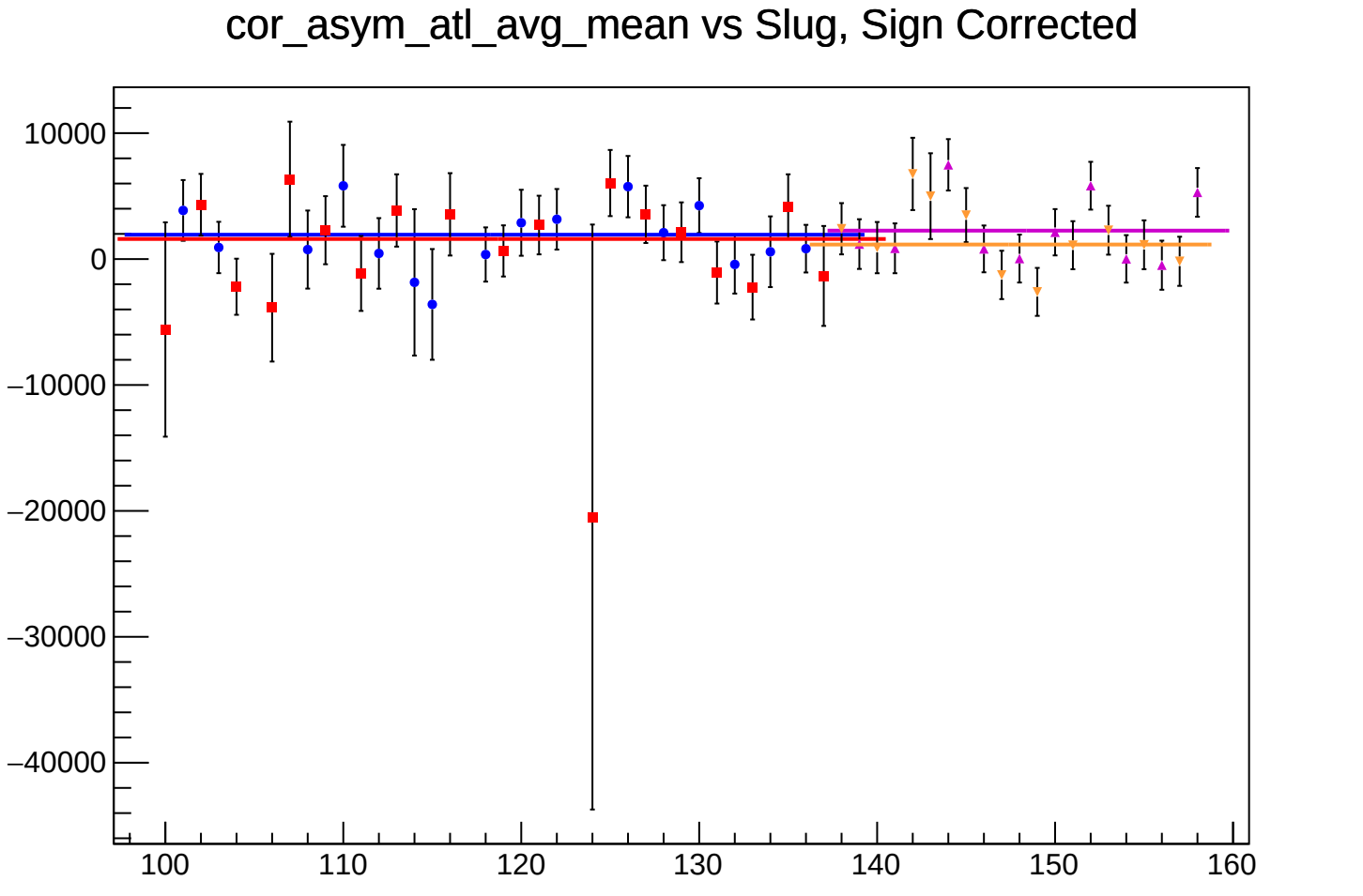
Left: 1414.245+/-0.386 χ^2/NDF: 21079512.0/20

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1466.934+/-0.394 χ^2/NDF:17848785.5/25

Out: 798.761+/-0.242 χ^2/NDF:20127532.2/29

All: 981.369+/-0.206 χ^2/NDF: 40061106.9/55



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1155.437+/-629.619 χ^2/NDF:13.0/10

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2259.524+/-608.193 χ^2/NDF:18.7/9

Left: 1726.585+/-437.436 χ^2/NDF: 33.3/20

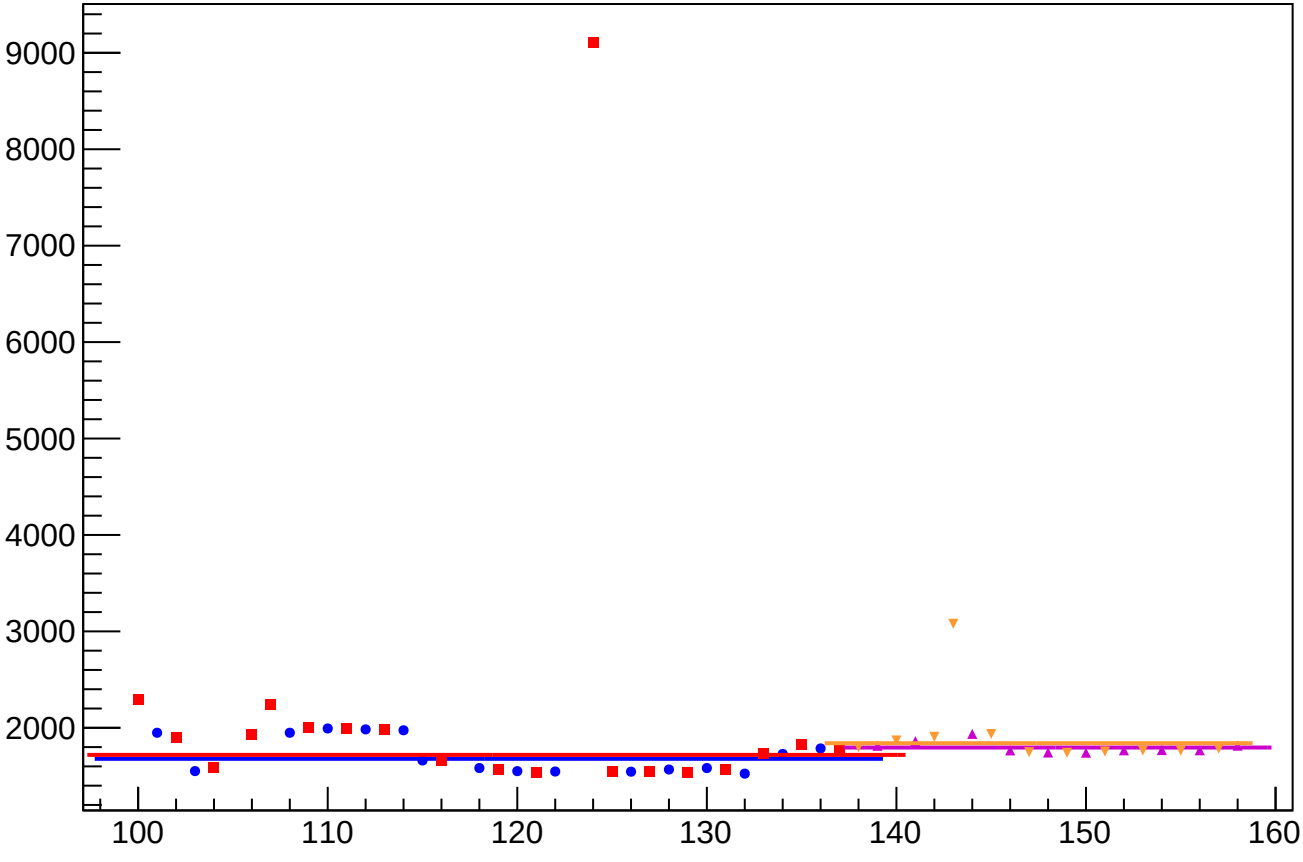
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2102.365+/-436.850 χ^2/NDF:29.7/25

Out: 1371.122+/-449.594 χ^2/NDF:32.6/29

All: 1747.254+/-313.308 χ^2/NDF: 63.7/55

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1840.419+/-0.445 χ^2/NDF:292405.8/10

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

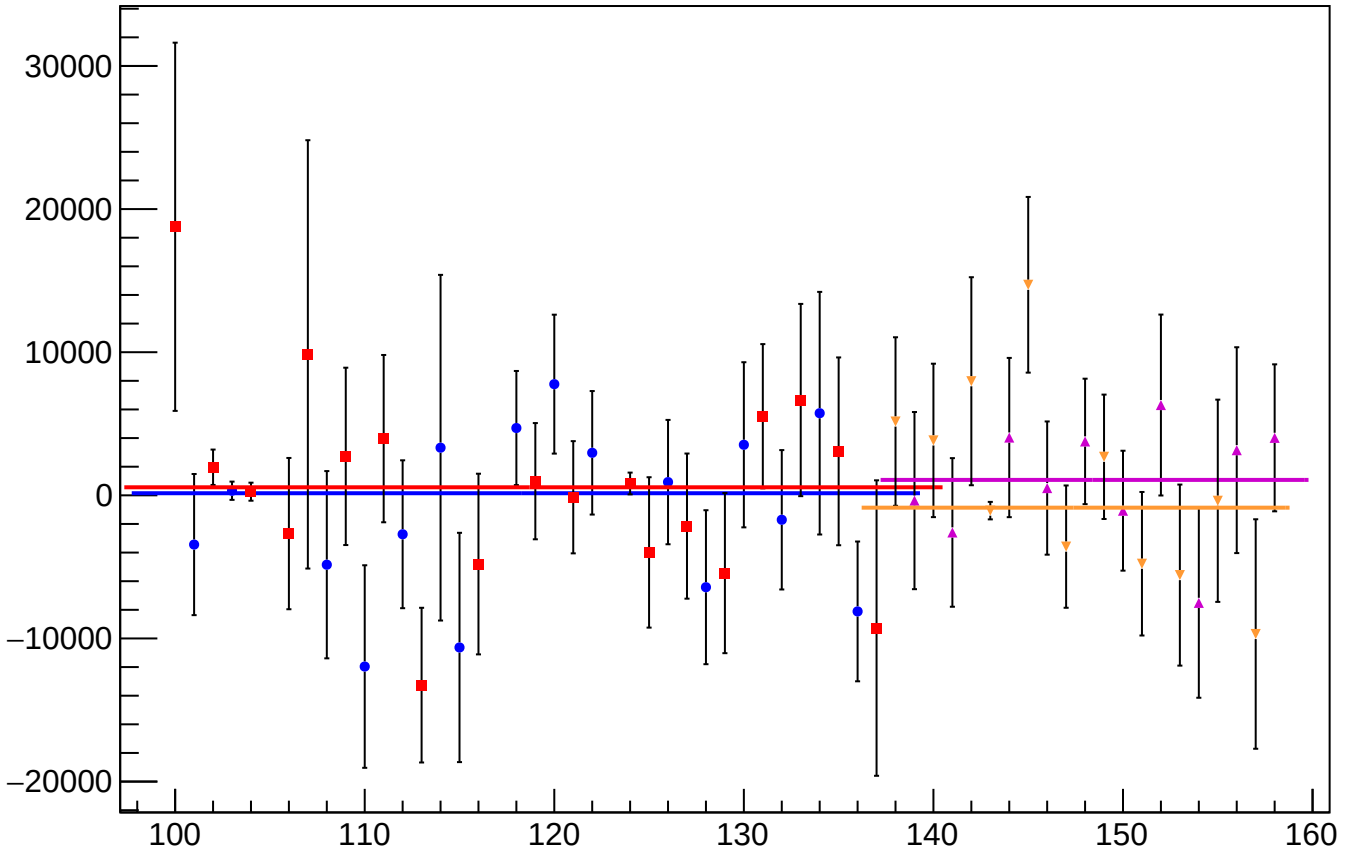
Left: 1817.121+/-0.309 χ^2/NDF: 314882.4/20

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1738.822+/-0.309 χ^2/NDF:194395.9/25

Out: 1780.725+/-0.317 χ^2/NDF:713850.6/29

All: 1759.215+/-0.221 χ^2/NDF: 917202.3/55



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -862.210+/-577.211 χ^2/NDF:13.3/10

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1077.461+/-1676.611 χ^2/NDF:4.3/9

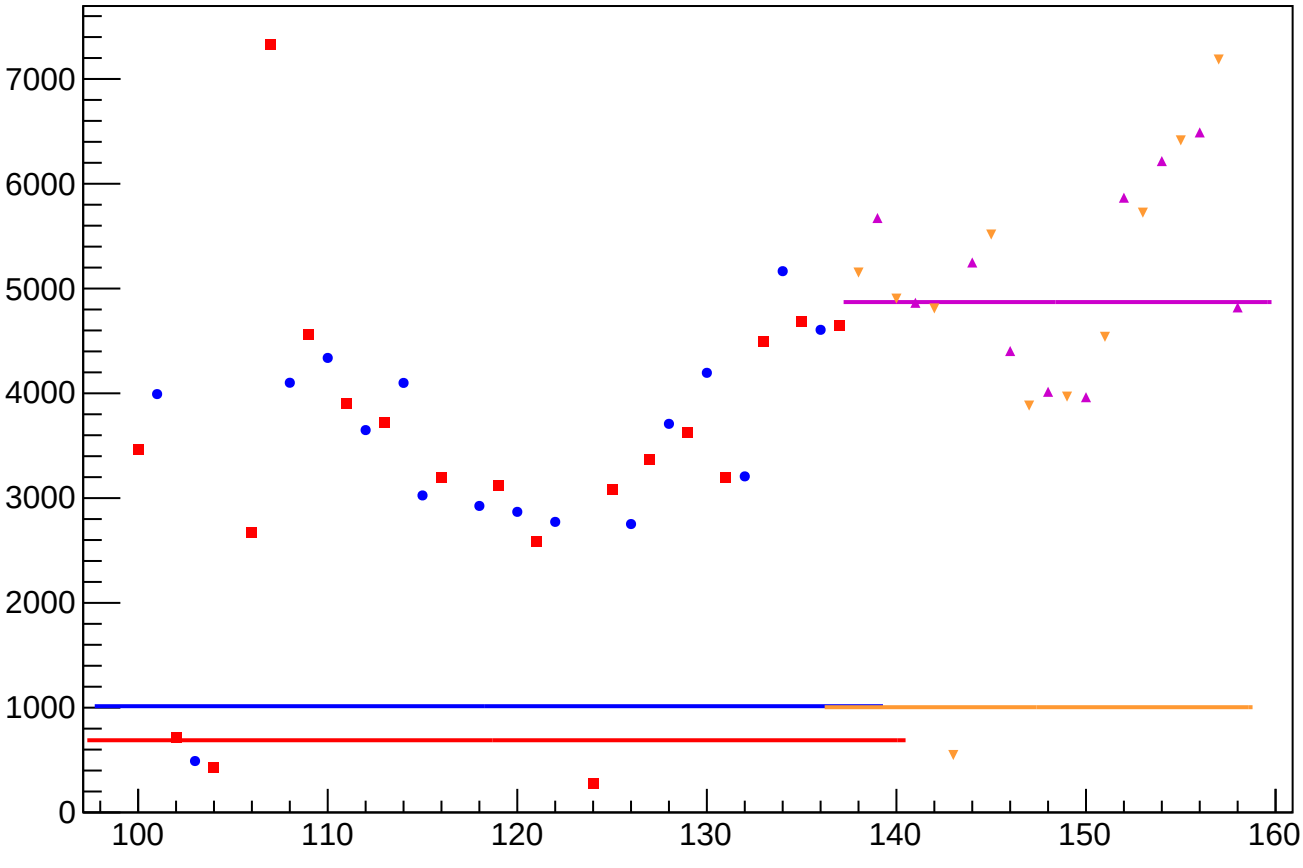
Left: -656.674+/-545.773 χ^2/NDF: 18.8/20

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 245.848+/-547.585 χ^2/NDF:20.4/25

Out: 52.405+/-345.152 χ^2/NDF:34.4/29

All: 107.407+/-291.989 χ^2/NDF: 54.9/55



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1004.474+/-0.408 χ^2/NDF:11104437.0/10

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4870.832+/-1.186 χ^2/NDF:466846.1/9

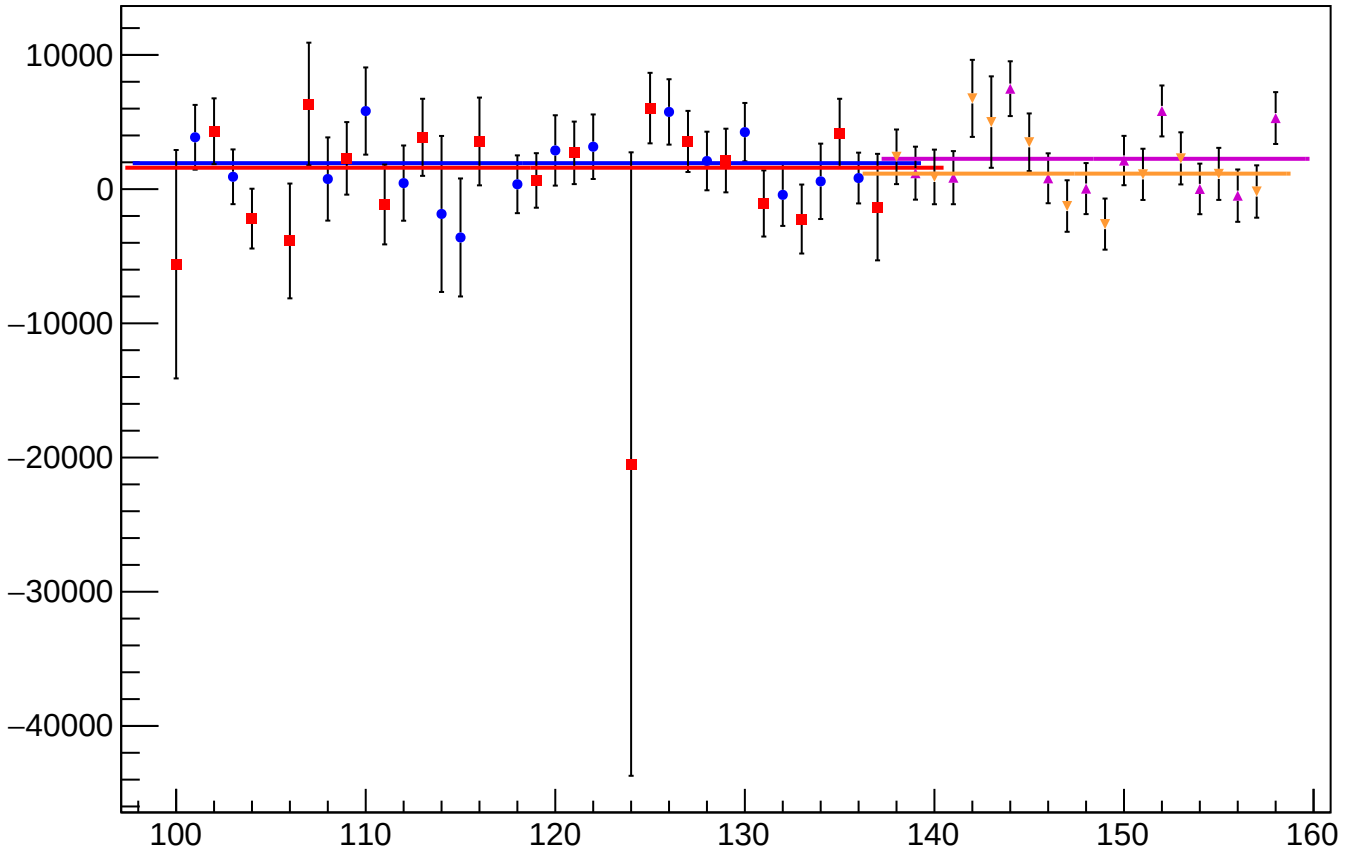
Left: 1414.170+/-0.386 χ^2/NDF: 21080049.9/20

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1425.489+/-0.387 χ^2/NDF:18143909.9/25

Out: 801.837+/-0.244 χ^2/NDF:20398480.8/29

All: 979.162+/-0.206 χ^2/NDF: 40399007.2/55



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1155.437+/-629.619 χ^2/NDF:13.0/10

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2259.524+/-608.193 χ^2/NDF:18.7/9

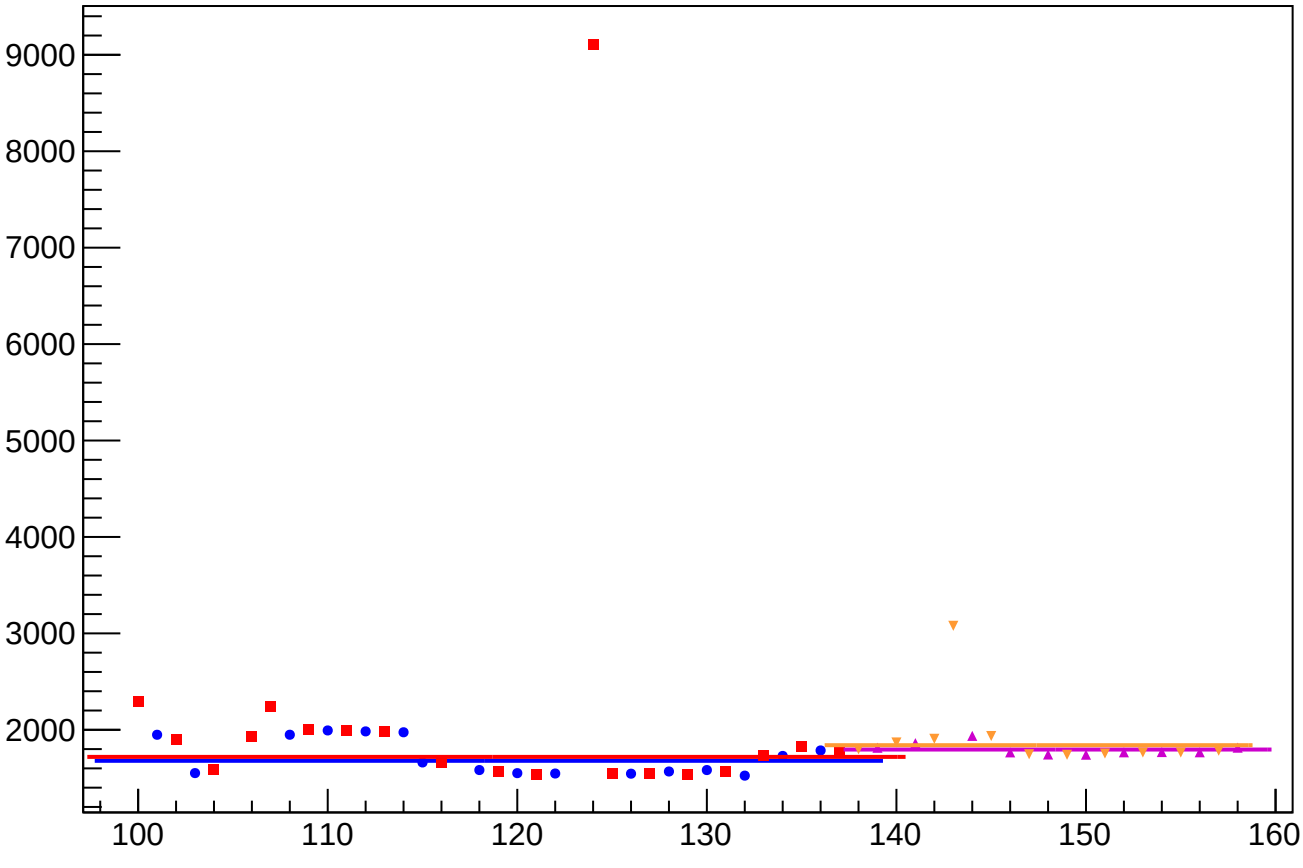
Left: 1726.585+/-437.436 χ^2/NDF: 33.3/20

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2102.365+/-436.850 χ^2/NDF:29.7/25

Out: 1371.122+/-449.594 χ^2/NDF:32.6/29

All: 1747.254+/-313.308 χ^2/NDF: 63.7/55



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1840.419+/-0.445 χ^2/NDF:292405.8/10

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

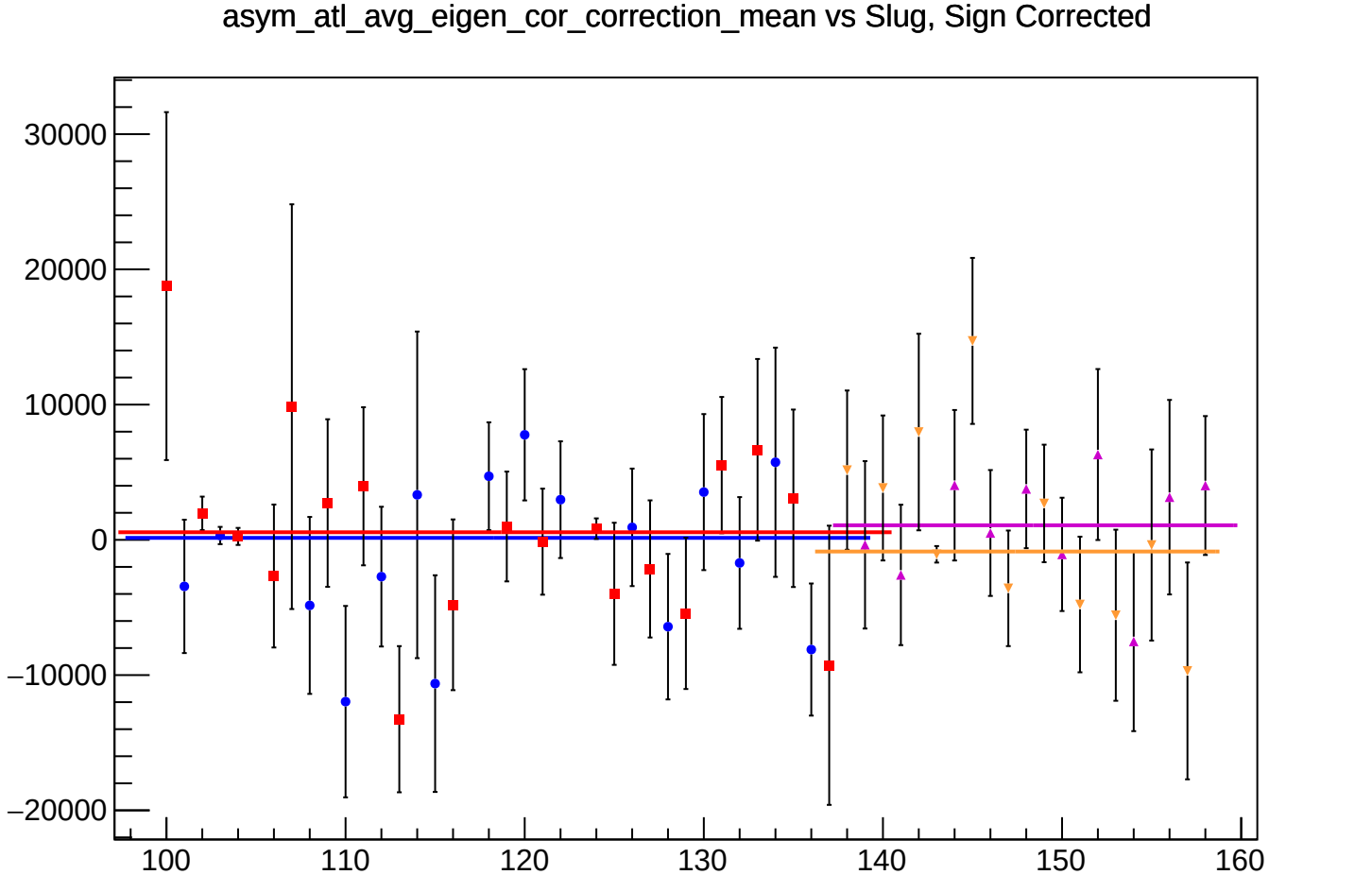
Left: 1817.121+/-0.309 χ^2/NDF: 314882.4/20

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1738.822+/-0.309 χ^2/NDF:194395.9/25

Out: 1780.725+/-0.317 χ^2/NDF:713850.6/29

All: 1759.215+/-0.221 χ^2/NDF: 917202.3/55



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -862.210+/-577.211 χ^2/NDF:13.3/10

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1077.461+/-1676.611 χ^2/NDF:4.3/9

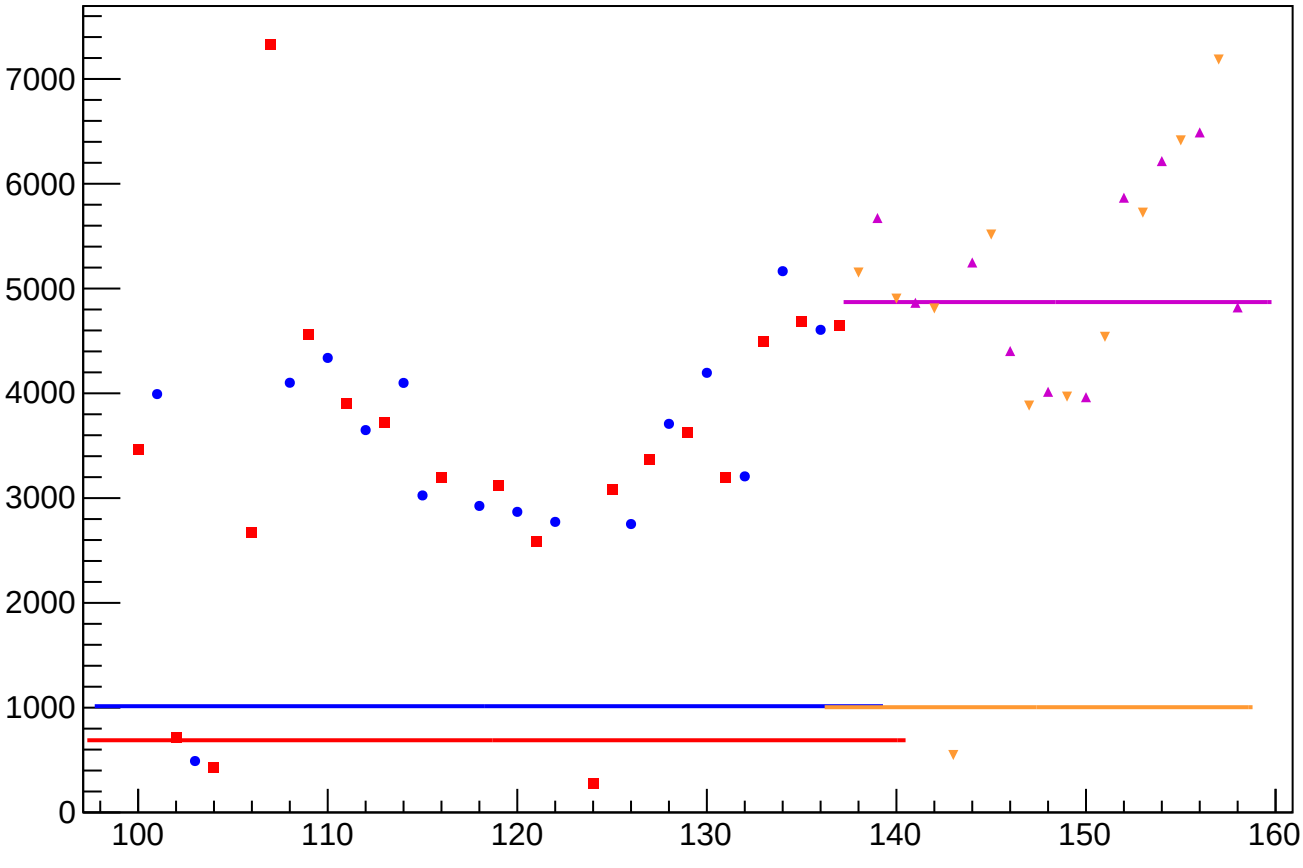
Left: -656.674+/-545.773 χ^2/NDF: 18.8/20

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 245.848+/-547.585 χ^2/NDF:20.4/25

Out: 52.405+/-345.152 χ^2/NDF:34.4/29

All: 107.407+/-291.989 χ^2/NDF: 54.9/55



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1004.474+/-0.408 χ^2/NDF:11104437.0/10

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4870.832+/-1.186 χ^2/NDF:466846.1/9

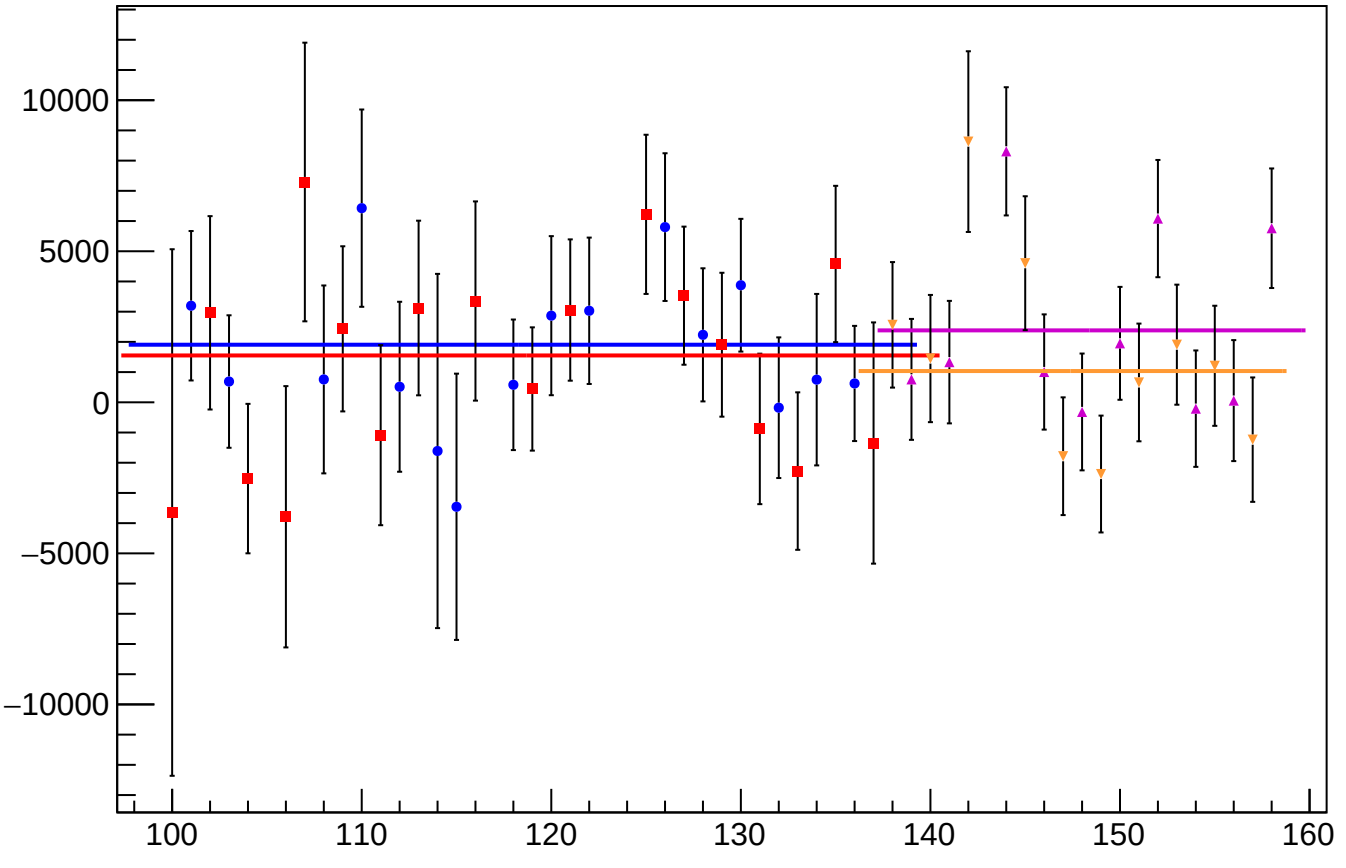
Left: 1414.170+/-0.386 χ^2/NDF: 21080049.9/20

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1425.489+/-0.387 χ^2/NDF:18143909.9/25

Out: 801.837+/-0.244 χ^2/NDF:20398480.8/29

All: 979.162+/-0.206 χ^2/NDF: 40399007.2/55



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1034.720+/-658.069 χ^2/NDF:16.3/9

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2380.954+/-622.152 χ^2/NDF:21.0/9

Left: 1745.577+/-452.092 χ^2/NDF: 39.4/19

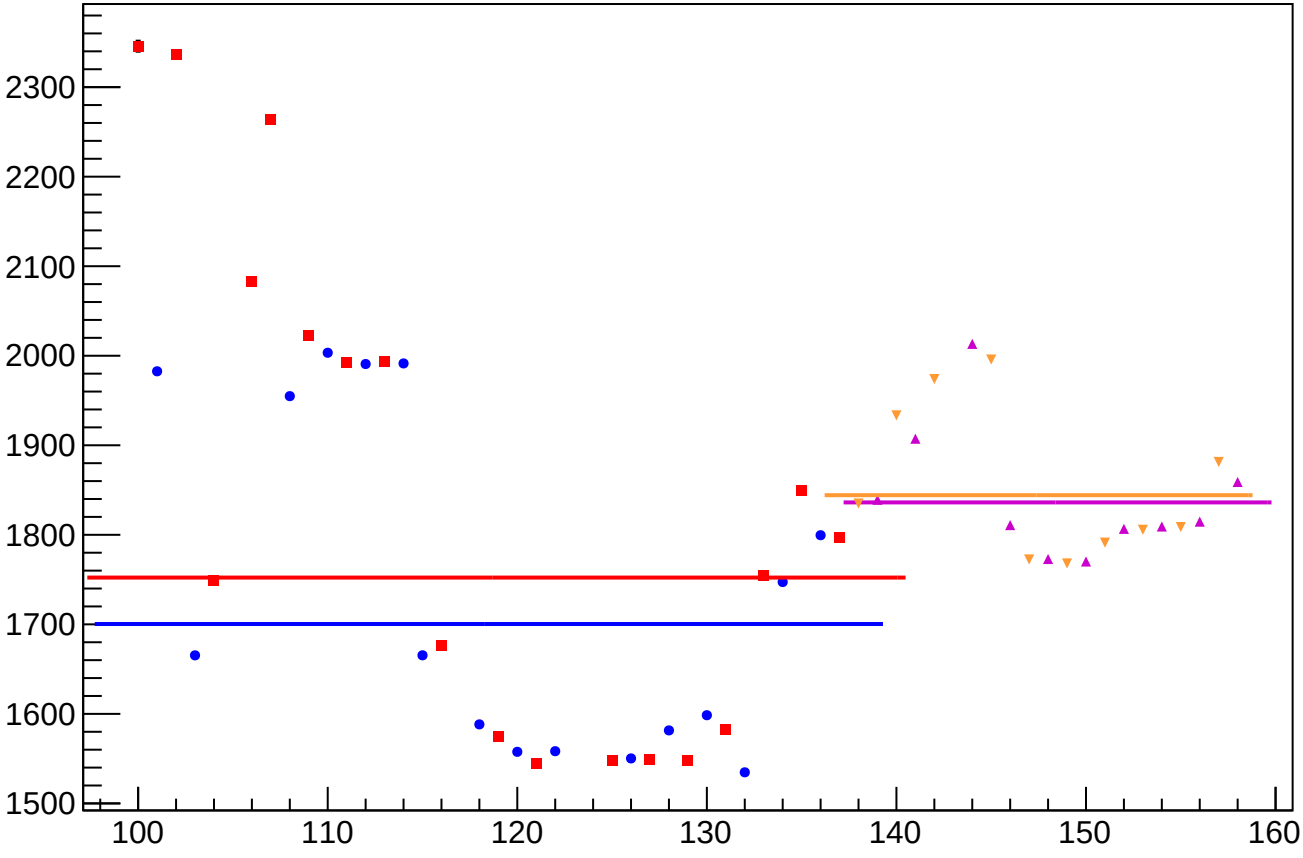
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2148.966+/-444.891 χ^2/NDF:31.5/25

Out: 1291.685+/-466.377 χ^2/NDF:34.0/27

All: 1740.527+/-321.913 χ^2/NDF: 67.3/53

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1844.256+/-0.465 χ^2/NDF:26086.8/9

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1836.188+/-0.440 χ^2/NDF:22729.6/9

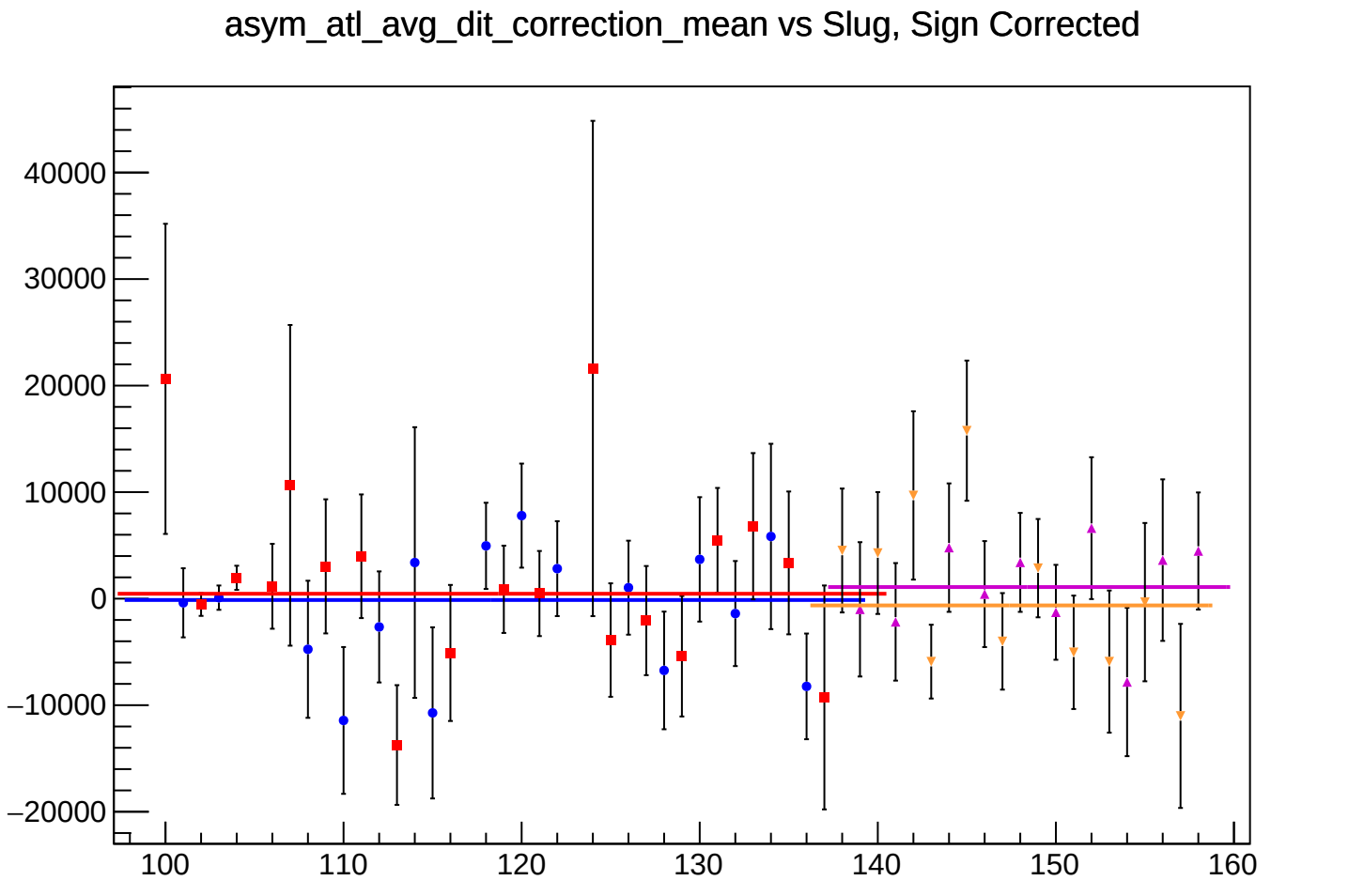
Left: 1839.996+/-0.320 χ^2/NDF: 48975.2/19

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1769.814+/-0.315 χ^2/NDF:204732.6/25

Out: 1798.351+/-0.329 χ^2/NDF:293548.1/27

All: 1783.426+/-0.228 χ^2/NDF: 502206.0/53



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -633.923+/-1649.492 χ^2/NDF:15.7/10

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1089.846+/-1777.975 χ^2/NDF:4.2/9

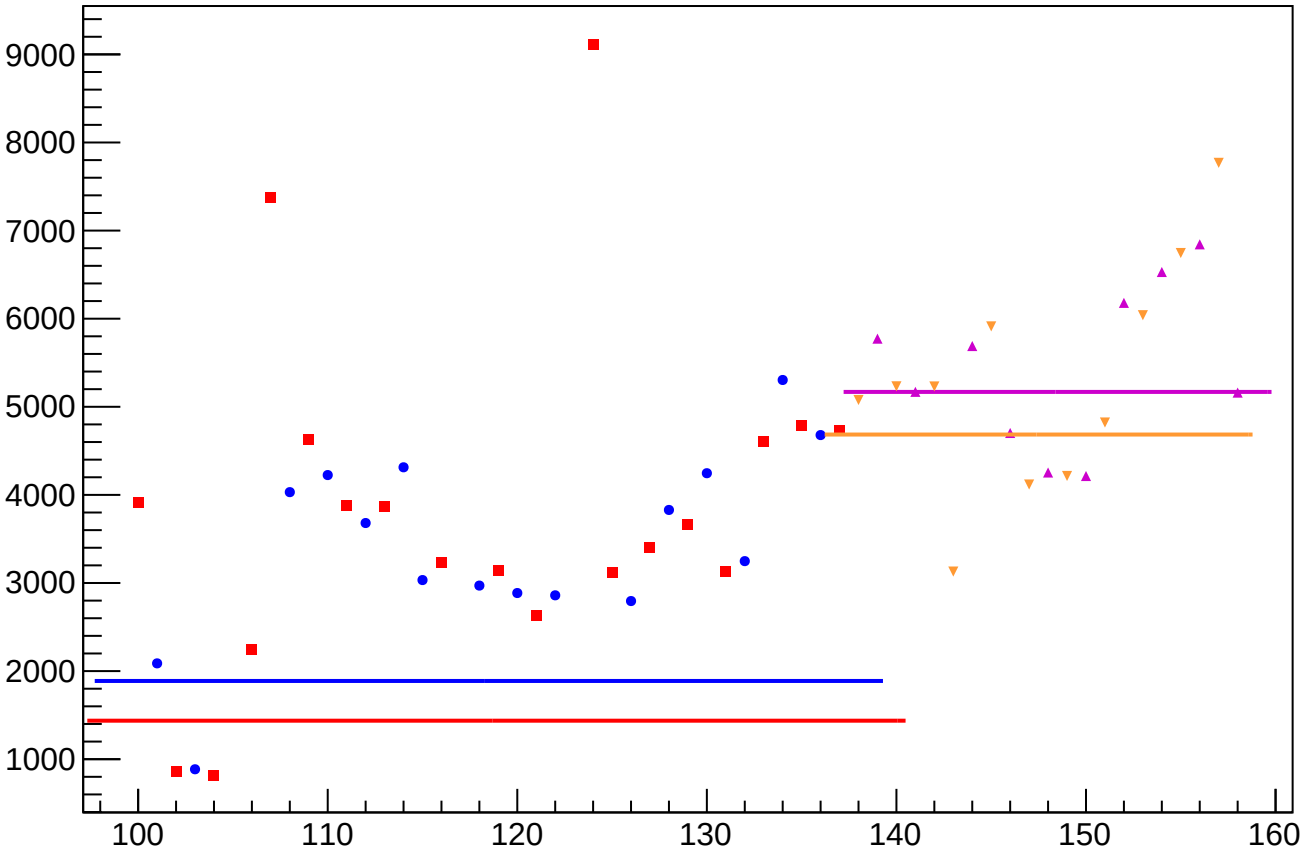
Left: 163.435+/-1209.240 χ^2/NDF: 20.4/20

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 108.282+/-779.753 χ^2/NDF:19.7/25

Out: 300.945+/-628.008 χ^2/NDF:34.5/29

All: 225.143+/-489.102 χ^2/NDF: 54.2/55



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4685.037+/-1.166 χ^2/NDF:1054167.6/10

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5168.827+/-1.257 χ^2/NDF:440408.1/9

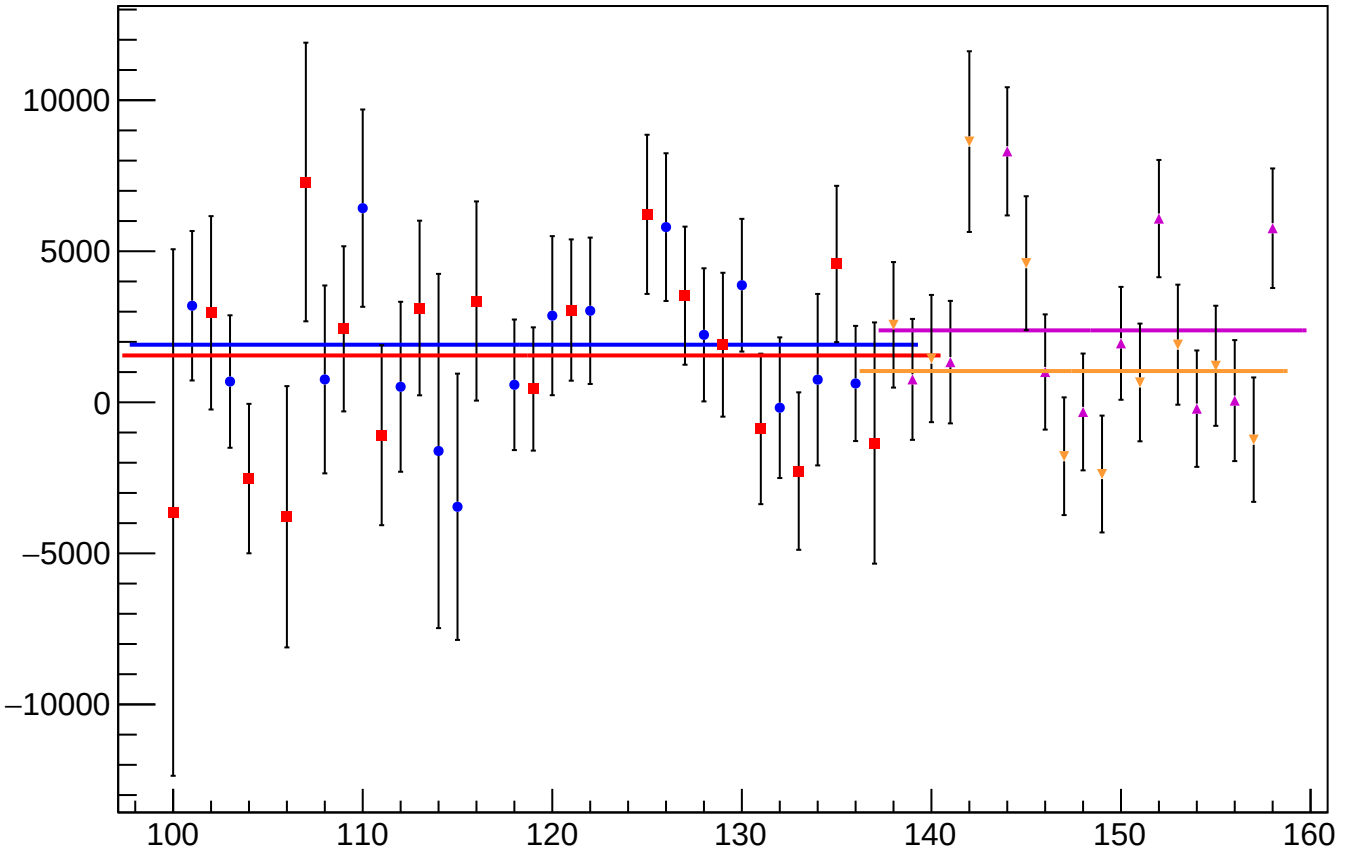
Left: 4908.822+/-0.855 χ^2/NDF: 1574158.0/20

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2519.024+/-0.551 χ^2/NDF:10366267.3/25

Out: 1907.908+/-0.444 χ^2/NDF:13648651.1/29

All: 2148.349+/-0.346 χ^2/NDF: 24760049.9/5



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1034.724+/-658.070 χ^2/NDF:16.3/9

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2380.957+/-622.152 χ^2/NDF:21.0/9

Left: 1745.580+/-452.093 χ^2/NDF: 39.4/19

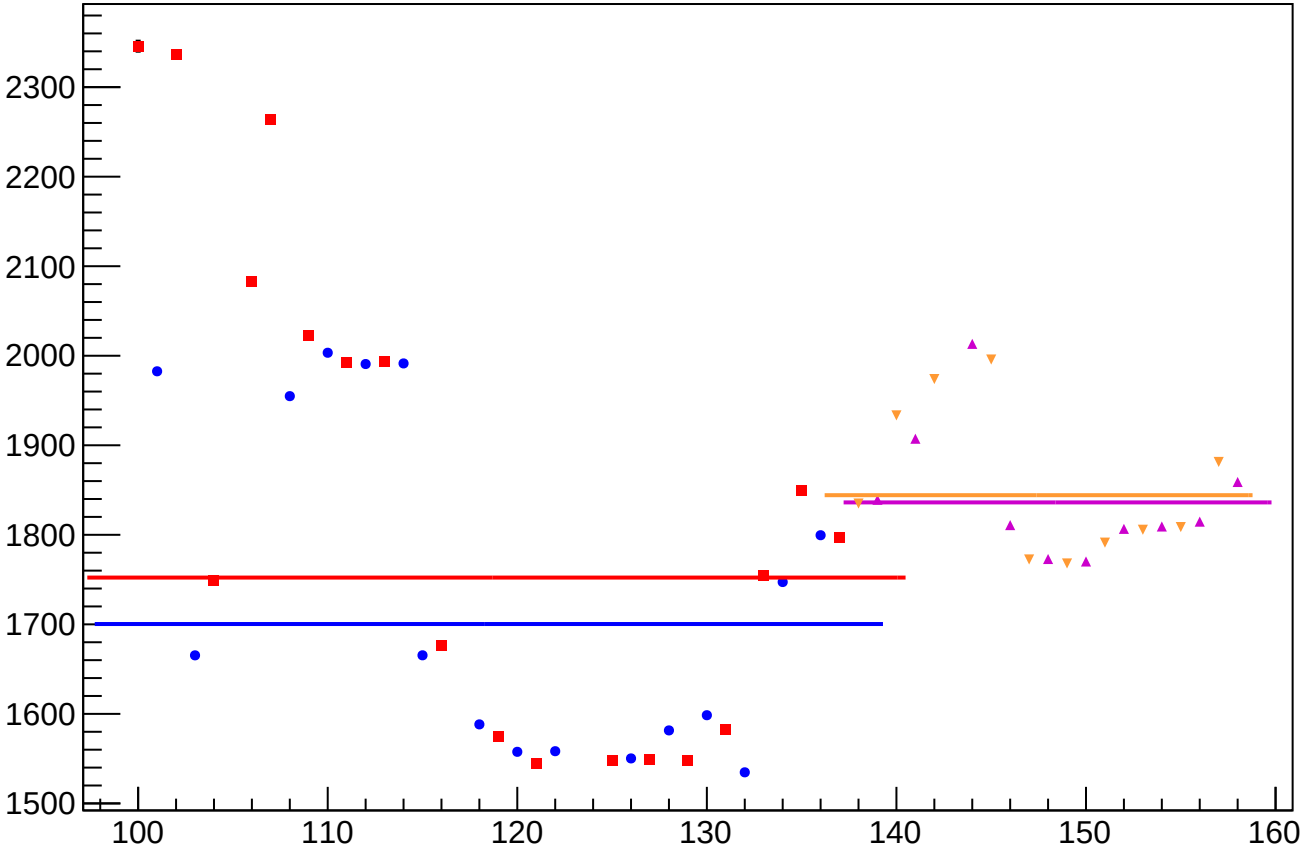
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2148.967+/-444.891 χ^2/NDF:31.5/25

Out: 1291.686+/-466.377 χ^2/NDF:34.0/27

All: 1740.528+/-321.913 χ^2/NDF: 67.3/53

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1844.258+/-0.465 χ^2/NDF:26087.3/9

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1836.189+/-0.440 χ^2/NDF:22729.9/9

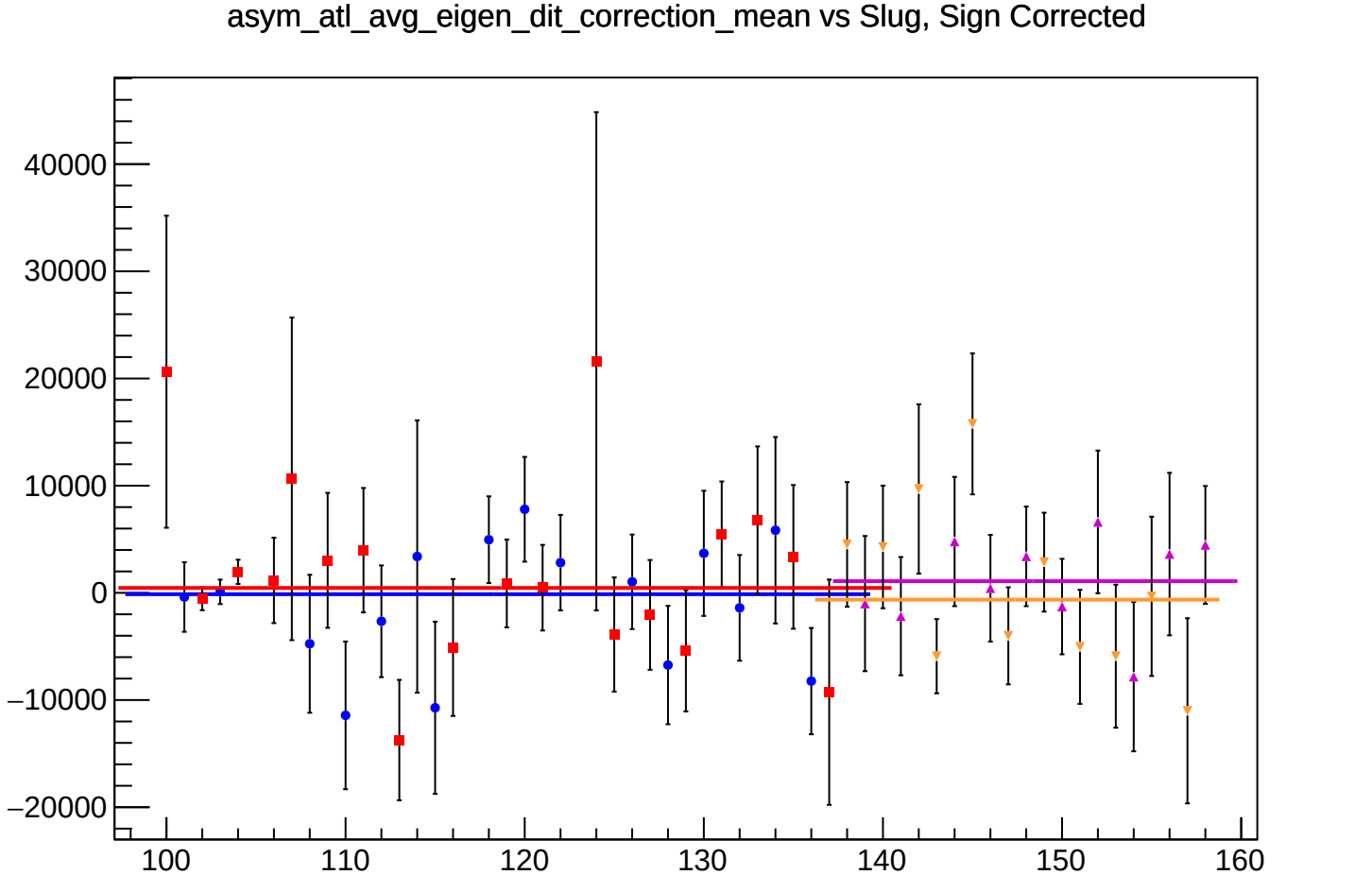
Left: 1839.997+/-0.320 χ^2/NDF: 48976.0/19

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1769.814+/-0.315 χ^2/NDF:204734.2/25

Out: 1798.351+/-0.329 χ^2/NDF:293548.9/27

All: 1783.426+/-0.228 χ^2/NDF: 502208.3/53



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -633.927+/-1649.493 χ^2/NDF:15.7/10

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 1089.849+/-1777.977 χ^2/NDF:4.2/9

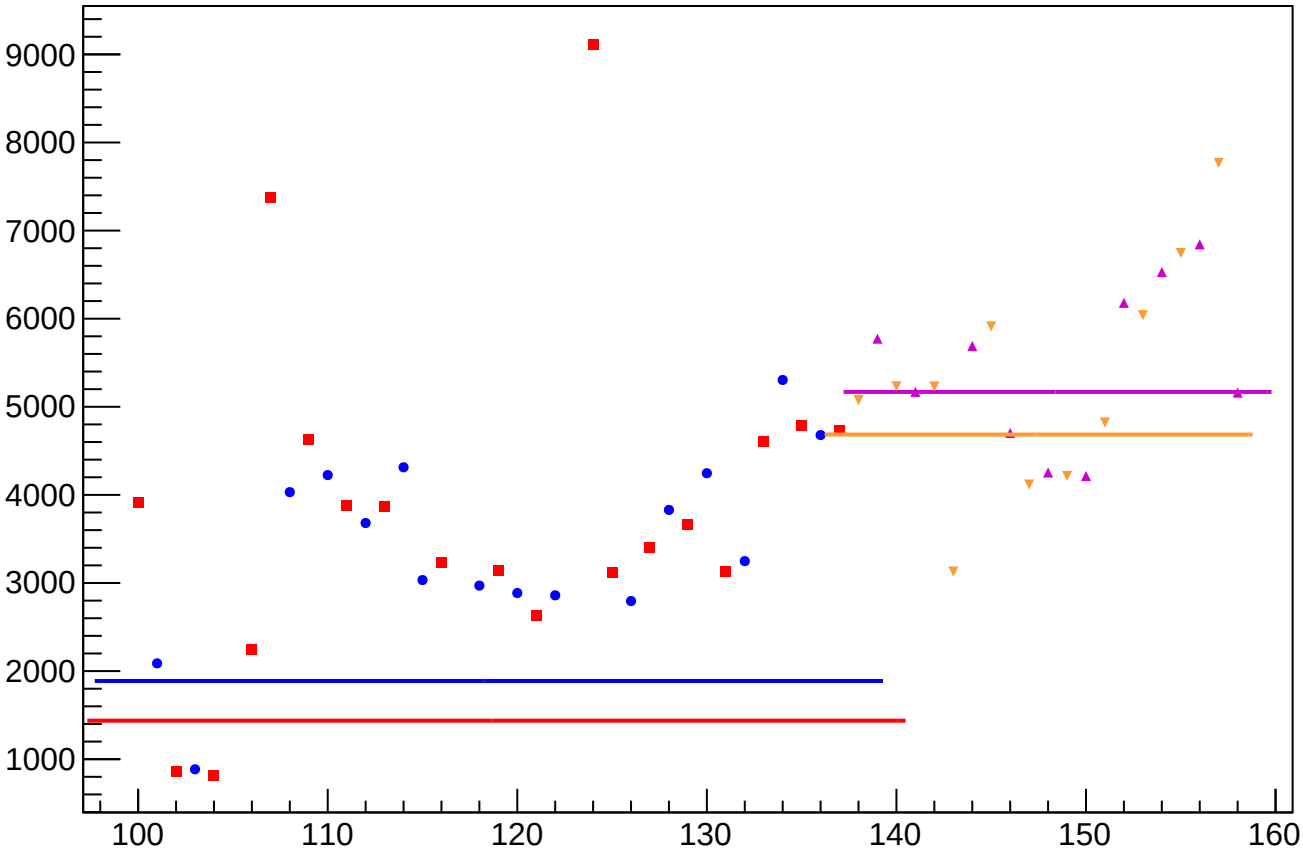
Left: 163.433+/-1209.242 χ^2/NDF: 20.4/20

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 108.283+/-779.749 χ^2/NDF:19.7/25

Out: 300.946+/-628.004 χ^2/NDF:34.5/29

All: 225.144+/-489.099 χ^2/NDF: 54.2/55



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4685.041+/-1.166 χ^2/NDF:1054173.8/10

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5168.833+/-1.257 χ^2/NDF:440411.3/9

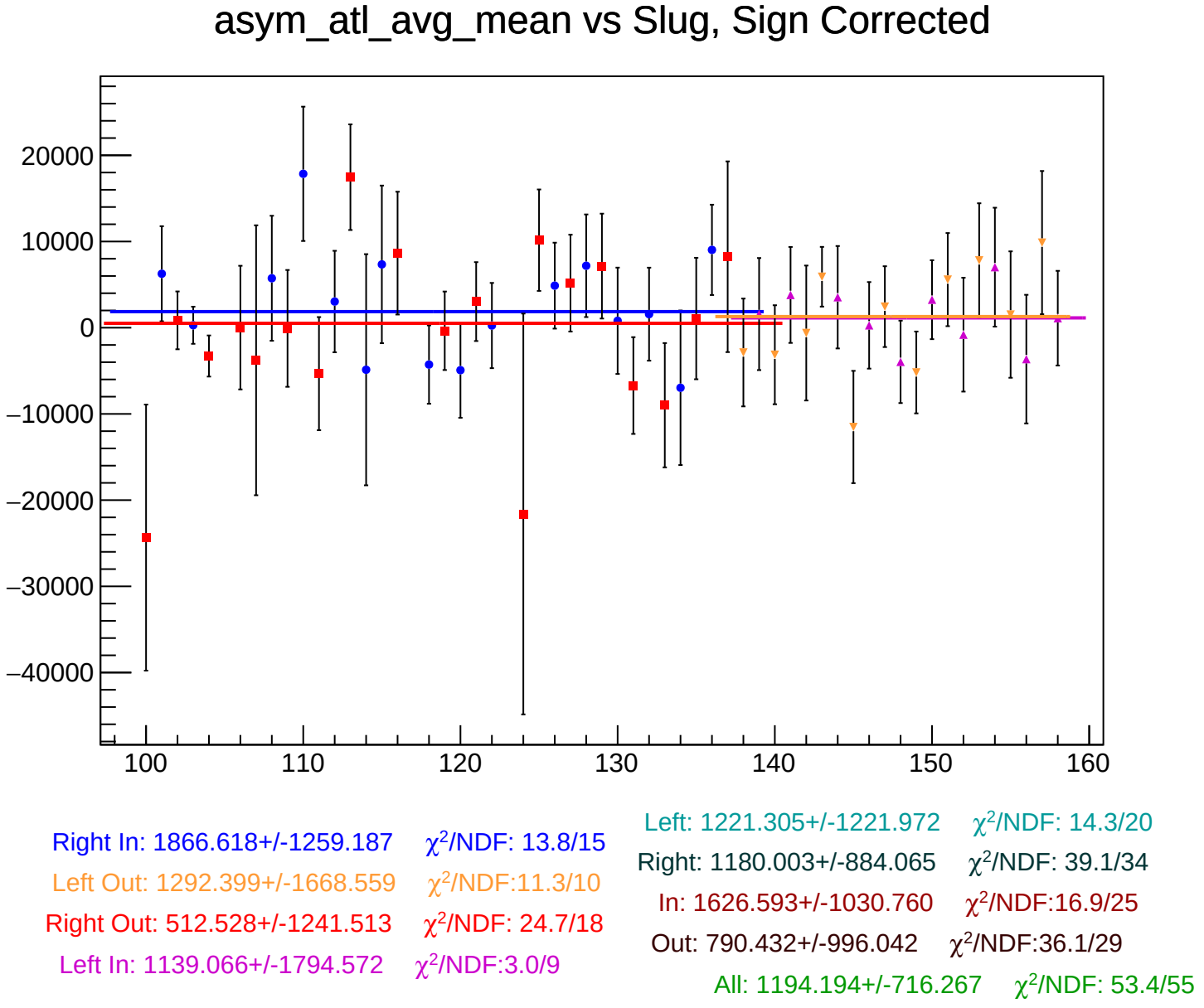
Left: 4908.827+/-0.855 χ^2/NDF: 1574168.0/20

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

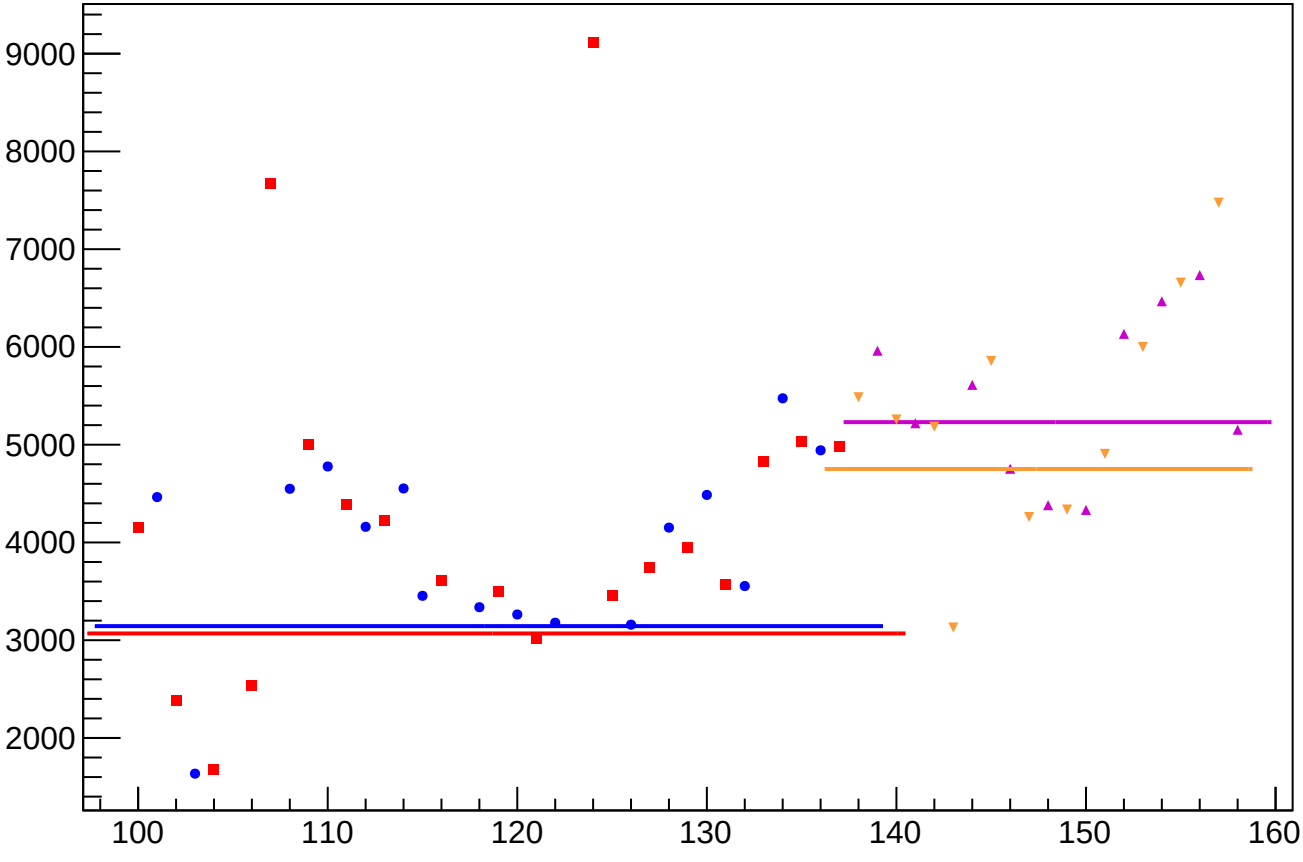
In: 2519.004+/-0.551 χ^2/NDF:10366385.9/25

Out: 1907.890+/-0.444 χ^2/NDF:13648765.9/29

All: 2148.330+/-0.346 χ^2/NDF: 24760286.0/5


asym_atl_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 1866.618+/-1259.187 χ²/NDF: 13.8/15
Left Out: 1292.399+/-1668.559 χ²/NDF:11.3/10
Right Out: 512.528+/-1241.513 χ²/NDF: 24.7/18
Left In: 1139.066+/-1794.572 χ²/NDF:3.0/9
Left: 1221.305+/-1221.972 χ²/NDF: 14.3/20
Right: 1180.003+/-884.065 χ²/NDF: 39.1/34
In: 1626.593+/-1030.760 χ²/NDF:16.9/25
Out: 790.432+/-996.042 χ²/NDF:36.1/29
All: 1194.194+/-716.267 χ²/NDF: 53.4/55

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4751.365+/-1.180 χ^2/NDF:1005165.4/10

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5230.831+/-1.269 χ^2/NDF:375045.5/9

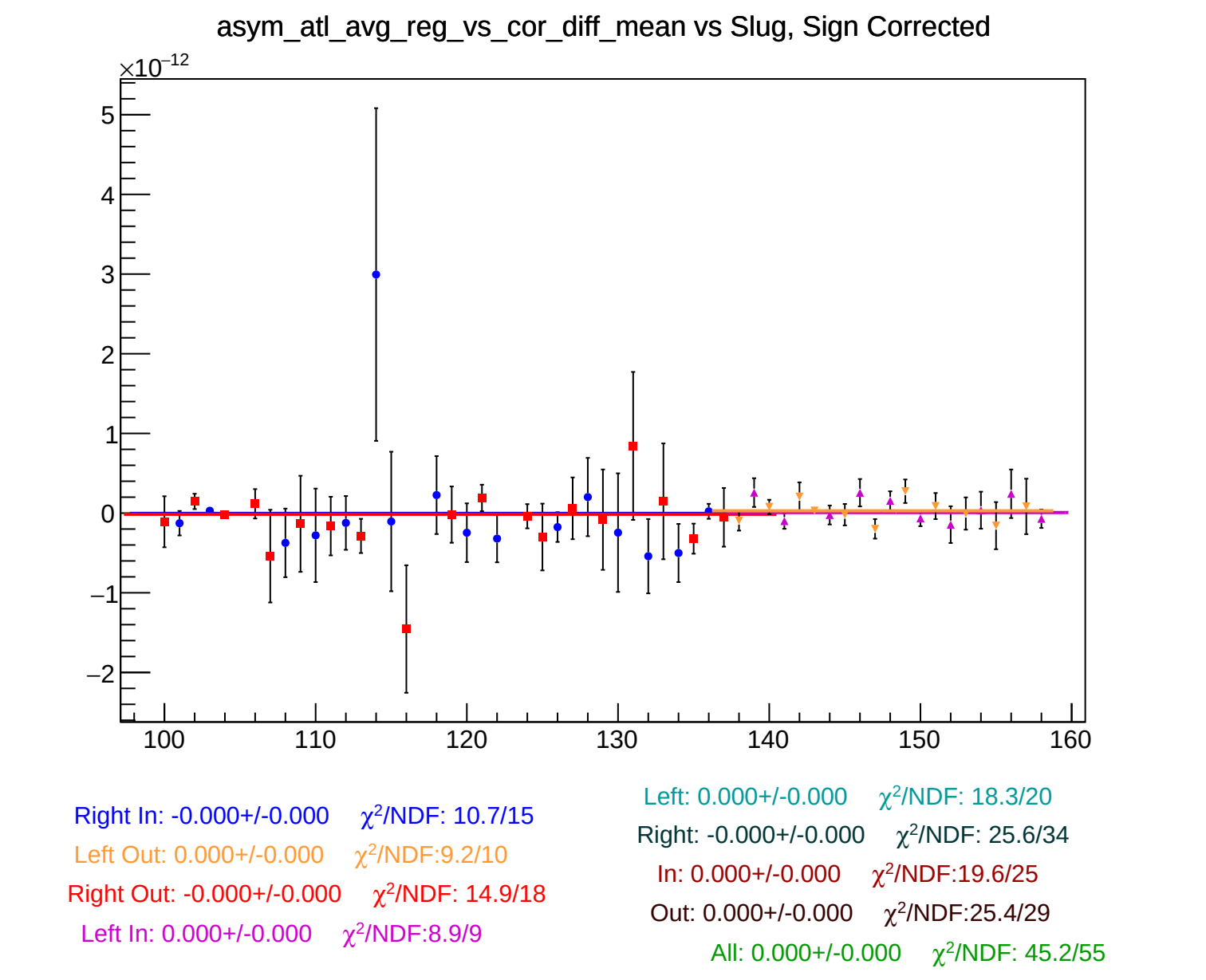
Left: 4973.675+/-0.864 χ^2/NDF: 1456781.7/20

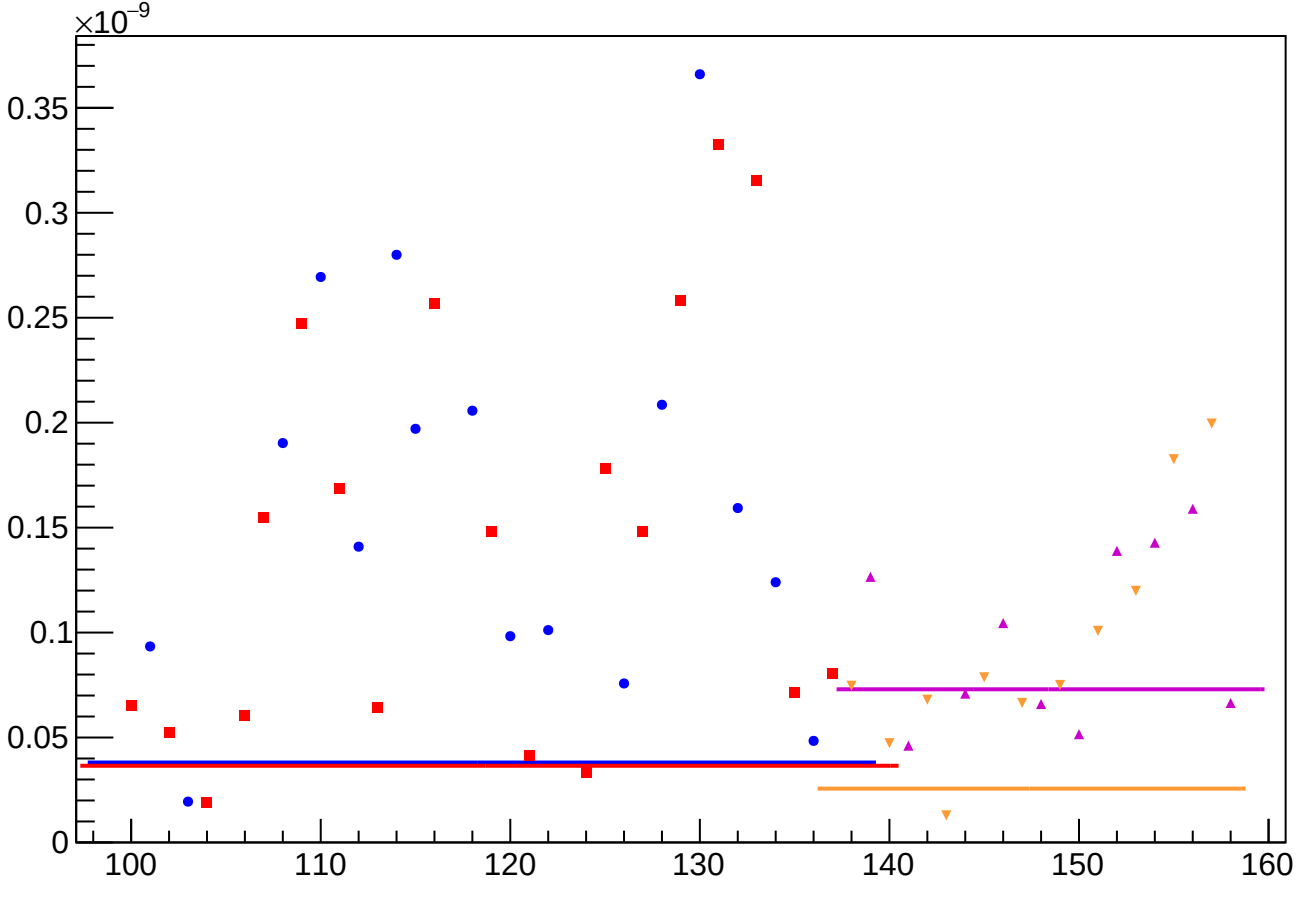
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3832.552+/-0.729 χ^2/NDF:4070196.8/25

Out: 3656.504+/-0.697 χ^2/NDF:4209935.7/29

All: 3740.620+/-0.504 χ^2/NDF: 8310598.3/55


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:9.2/10
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:8.9/9
Left: 0.000+/-0.000 χ²/NDF: 18.3/20
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: 0.000+/-0.000 χ²/NDF:19.6/25
Out: 0.000+/-0.000 χ²/NDF:25.4/29
All: 0.000+/-0.000 χ²/NDF: 45.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3804541.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1009015.2/9

Left: 0.000+/-0.000 χ^2/NDF: 6767228.4/20

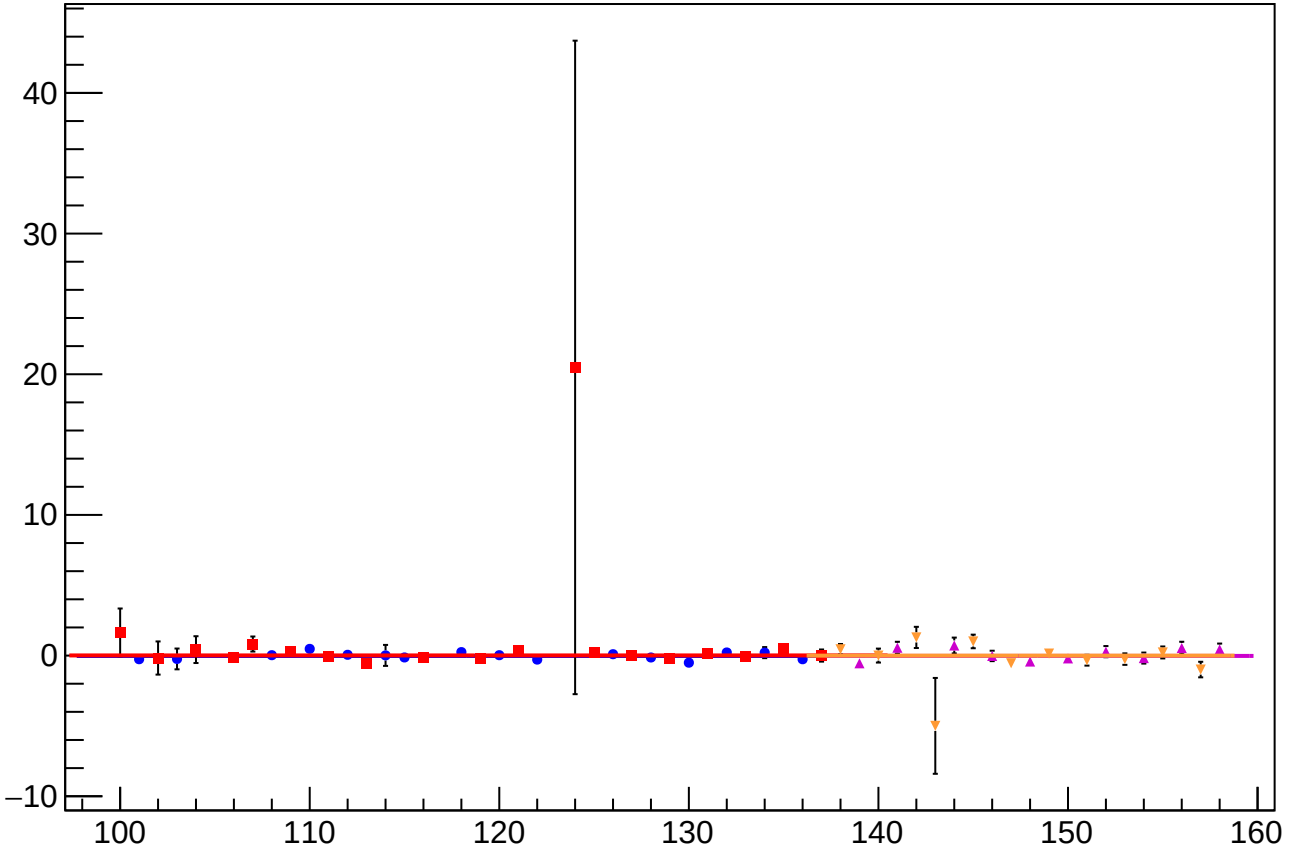
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:4705470.9/25

Out: 0.000+/-0.000 χ^2/NDF:6646787.6/29

All: 0.000+/-0.000 χ^2/NDF: 12357051.4/55

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.024+/-0.118 χ^2/NDF:12.6/9

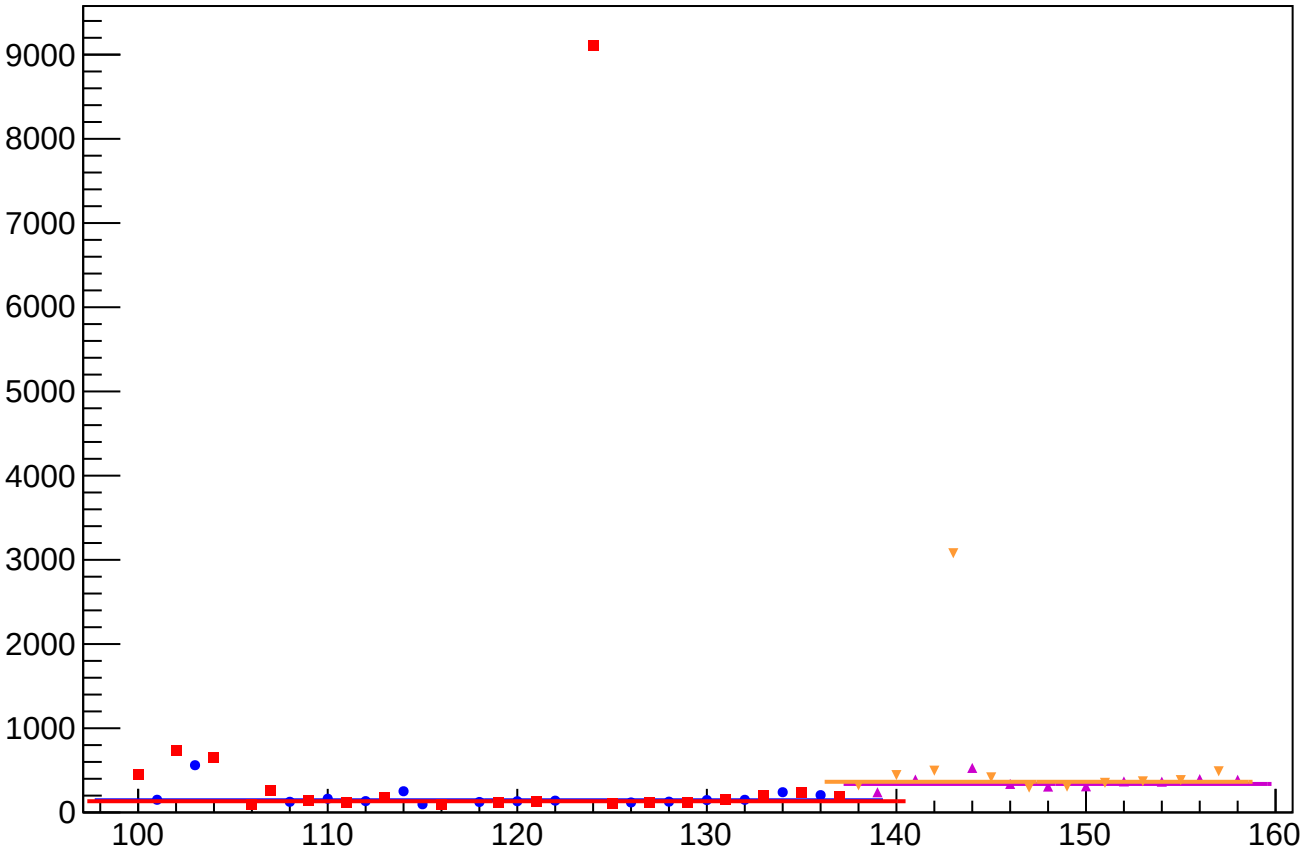
Left: -0.015+/-0.088 χ^2/NDF: 31.1/20

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.028+/-0.052 χ^2/NDF:29.9/25

Out: 0.008+/-0.052 χ^2/NDF:40.2/29

All: -0.010+/-0.037 χ^2/NDF: 70.4/55



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 364.214+/-0.094 χ^2/NDF:1690233.9/10

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 338.551+/-0.084 χ^2/NDF:638767.3/9

Left: 349.972+/-0.062 χ^2/NDF: 2370799.8/20

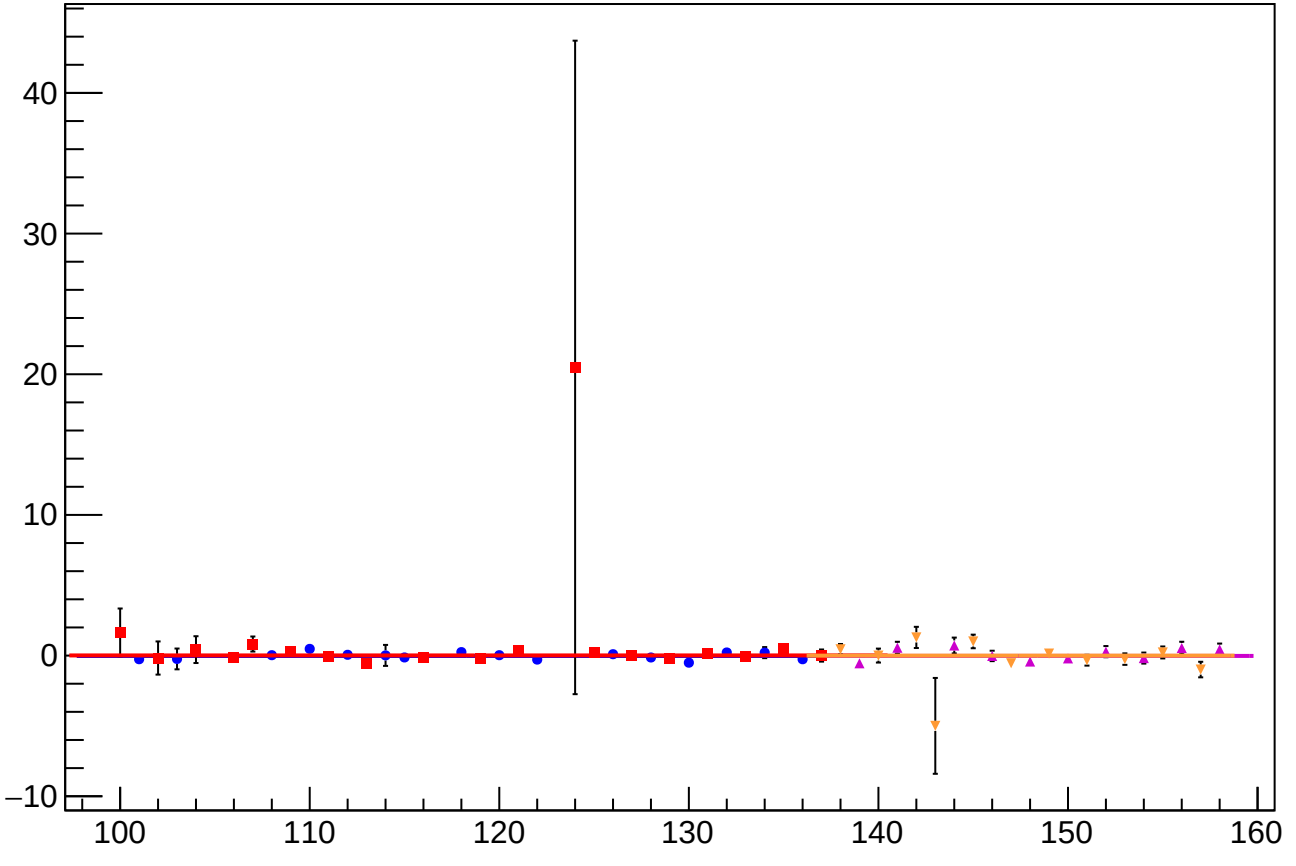
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 181.693+/-0.037 χ^2/NDF:6113120.6/25

Out: 168.917+/-0.037 χ^2/NDF:9069259.7/29

All: 175.305+/-0.026 χ^2/NDF: 15242829.5/55

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: -0.004+/-0.132 χ^2/NDF:18.4/10

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.024+/-0.118 χ^2/NDF:12.6/9

Left: -0.015+/-0.088 χ^2/NDF: 31.1/20

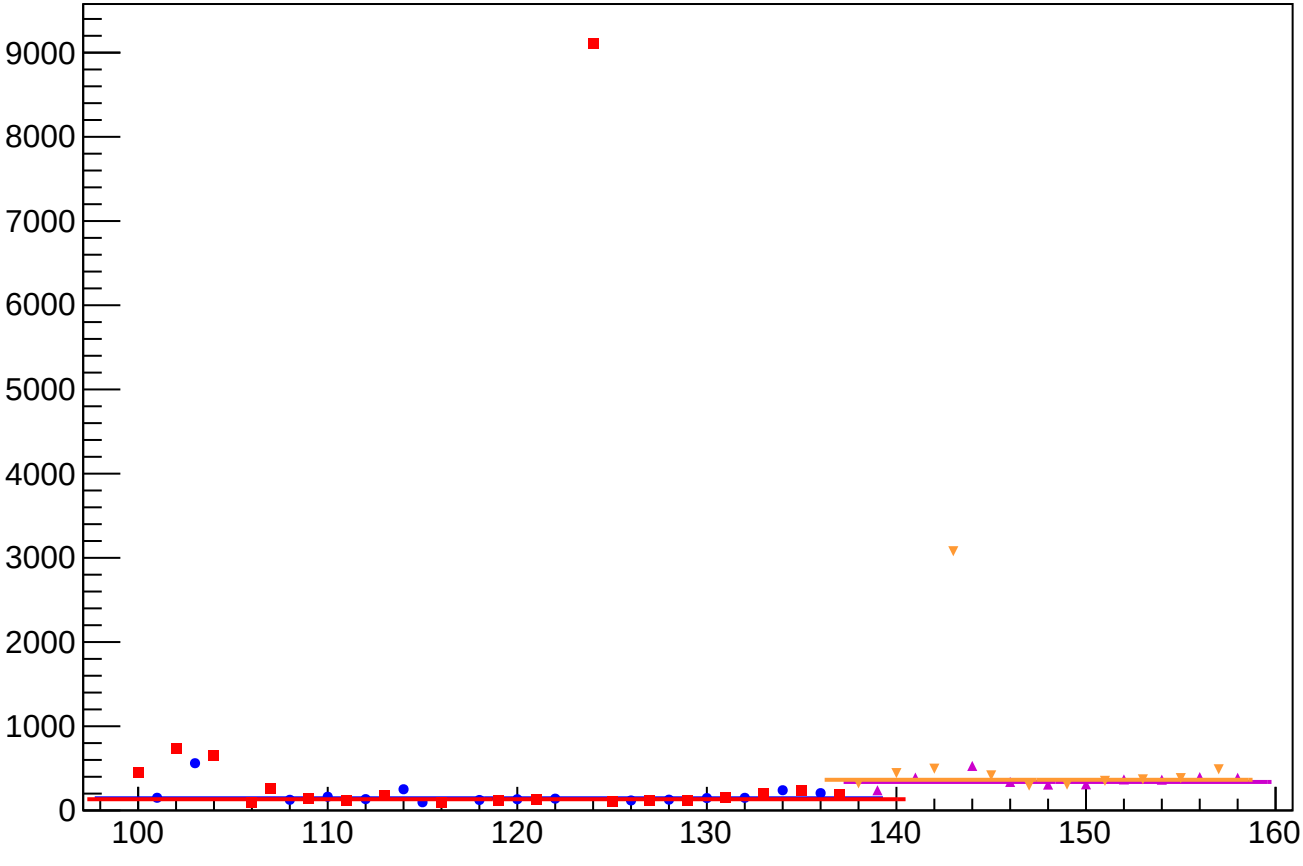
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.028+/-0.052 χ^2/NDF:29.9/25

Out: 0.008+/-0.052 χ^2/NDF:40.2/29

All: -0.010+/-0.037 χ^2/NDF: 70.4/55

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: 364.214+/-0.094 χ^2/NDF:1690233.9/10

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 338.551+/-0.084 χ^2/NDF:638767.3/9

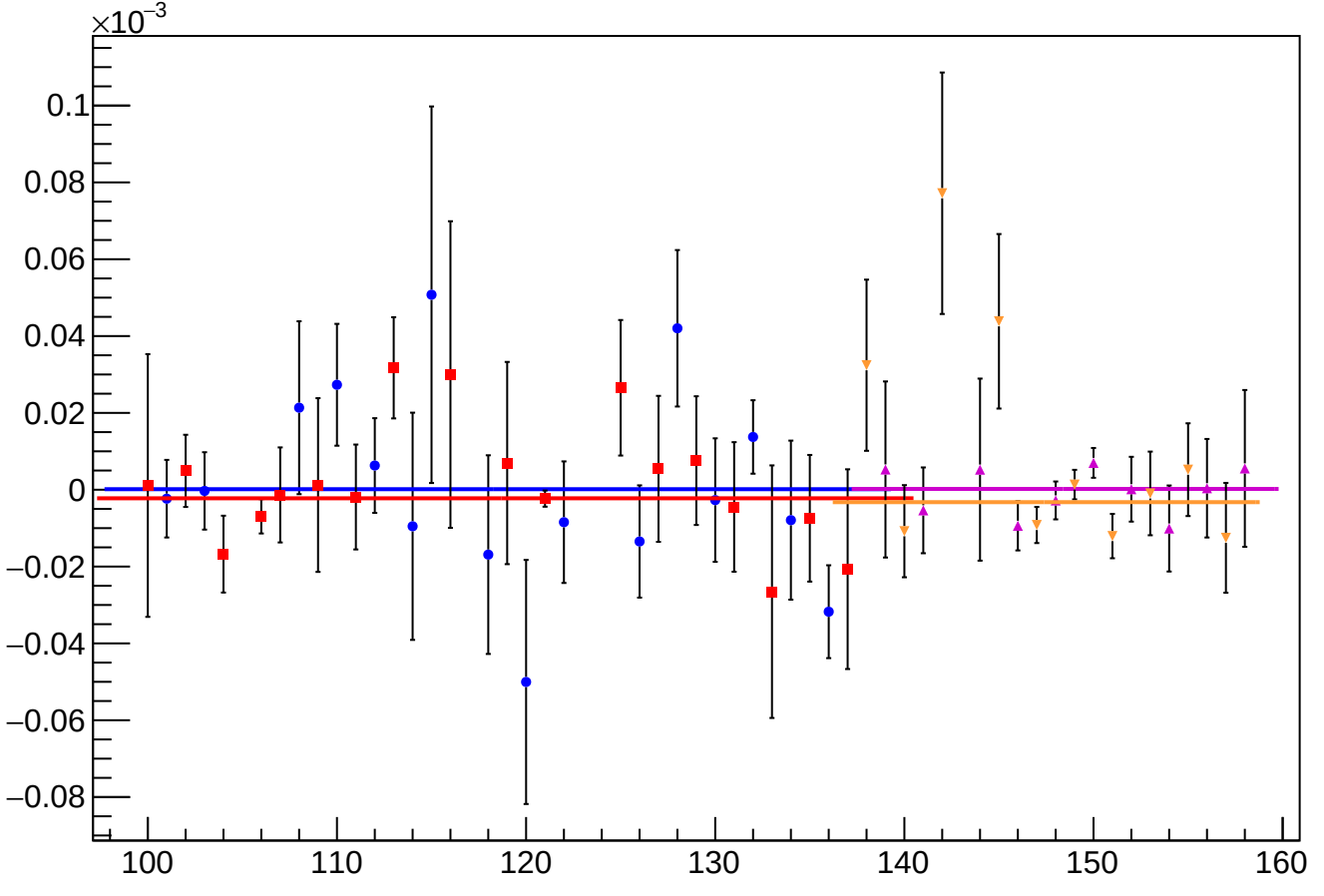
Left: 349.972+/-0.062 χ^2/NDF: 2370799.8/20

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 181.693+/-0.037 χ^2/NDF:6113120.6/25

Out: 168.917+/-0.037 χ^2/NDF:9069259.7/29

All: 175.305+/-0.026 χ^2/NDF: 15242829.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:6.9/9

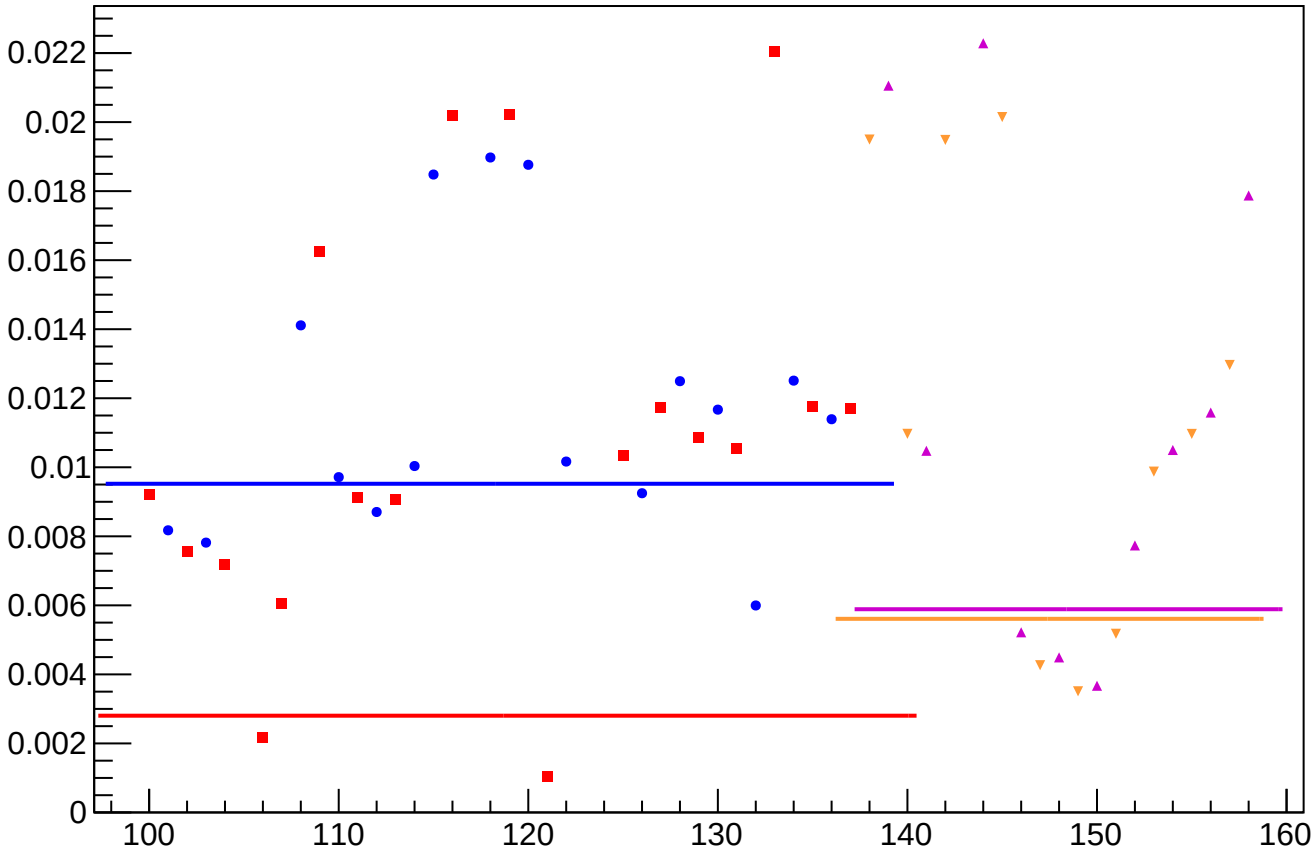
Left: -0.000+/-0.000 χ^2/NDF: 28.1/19

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:29.7/25

Out: -0.000+/-0.000 χ^2/NDF:35.8/27

All: -0.000+/-0.000 χ^2/NDF: 66.8/53



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:4387607.7/9

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:4526929.3/9

Left: 0.006+/-0.000 χ^2/NDF: 8928063.5/19

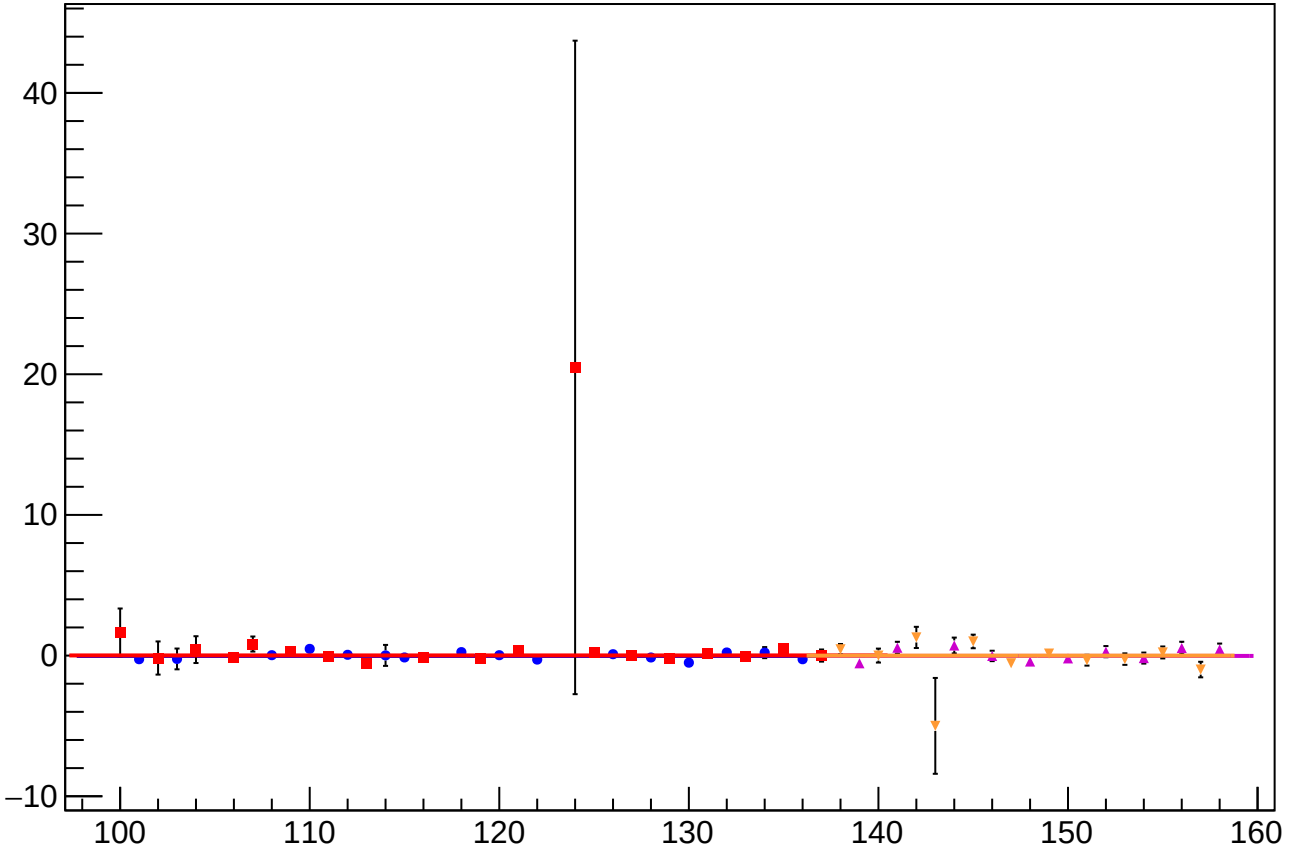
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:6996699.4/25

Out: 0.004+/-0.000 χ^2/NDF:14774030.6/27

All: 0.005+/-0.000 χ^2/NDF: 25135305.3/53

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: -0.004+/-0.132 χ^2/NDF:18.4/10

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.024+/-0.118 χ^2/NDF:12.6/9

Left: -0.015+/-0.088 χ^2/NDF: 31.1/20

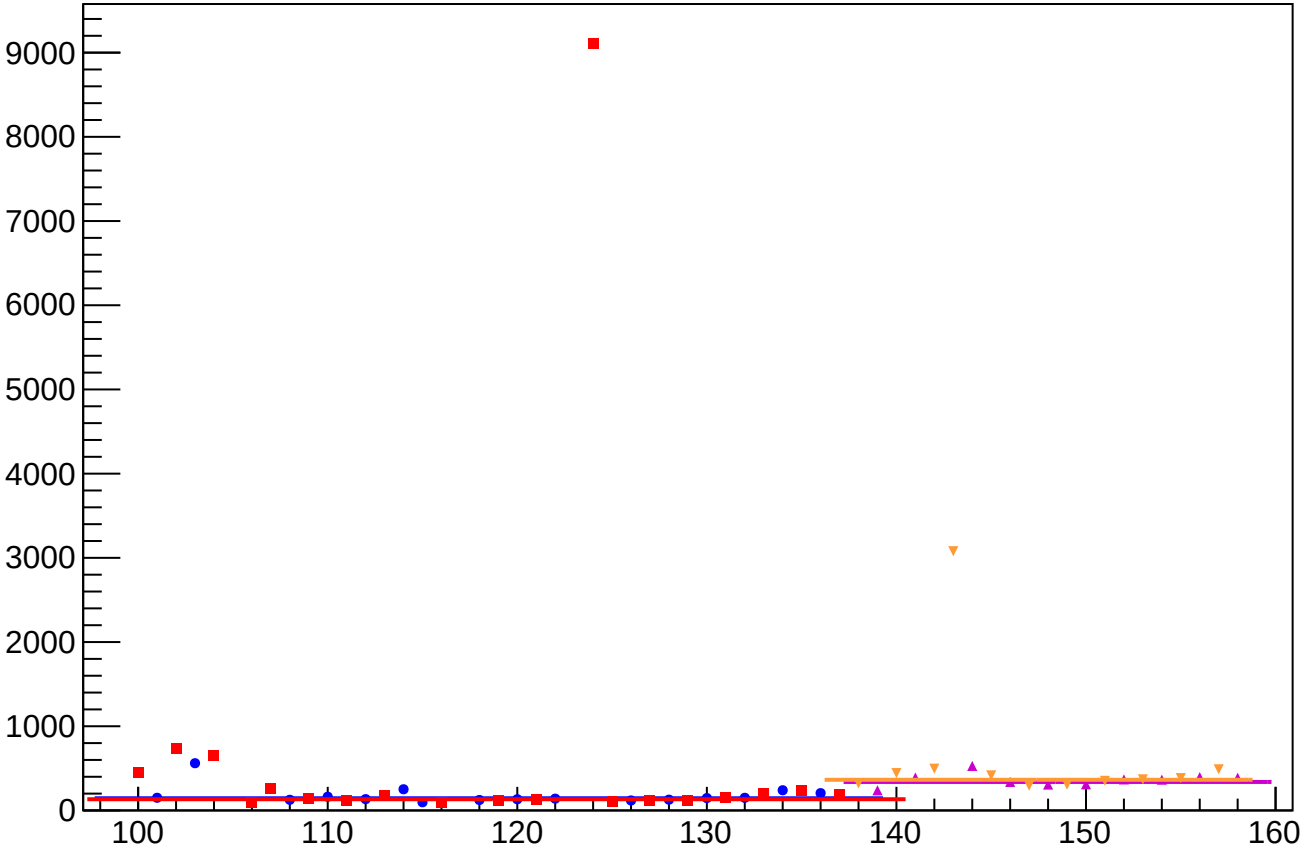
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.028+/-0.052 χ^2/NDF:29.9/25

Out: 0.008+/-0.052 χ^2/NDF:40.2/29

All: -0.010+/-0.037 χ^2/NDF: 70.4/55

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: 364.218+/-0.094 χ^2/NDF:1690269.3/10

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 338.556+/-0.084 χ^2/NDF:638761.8/9

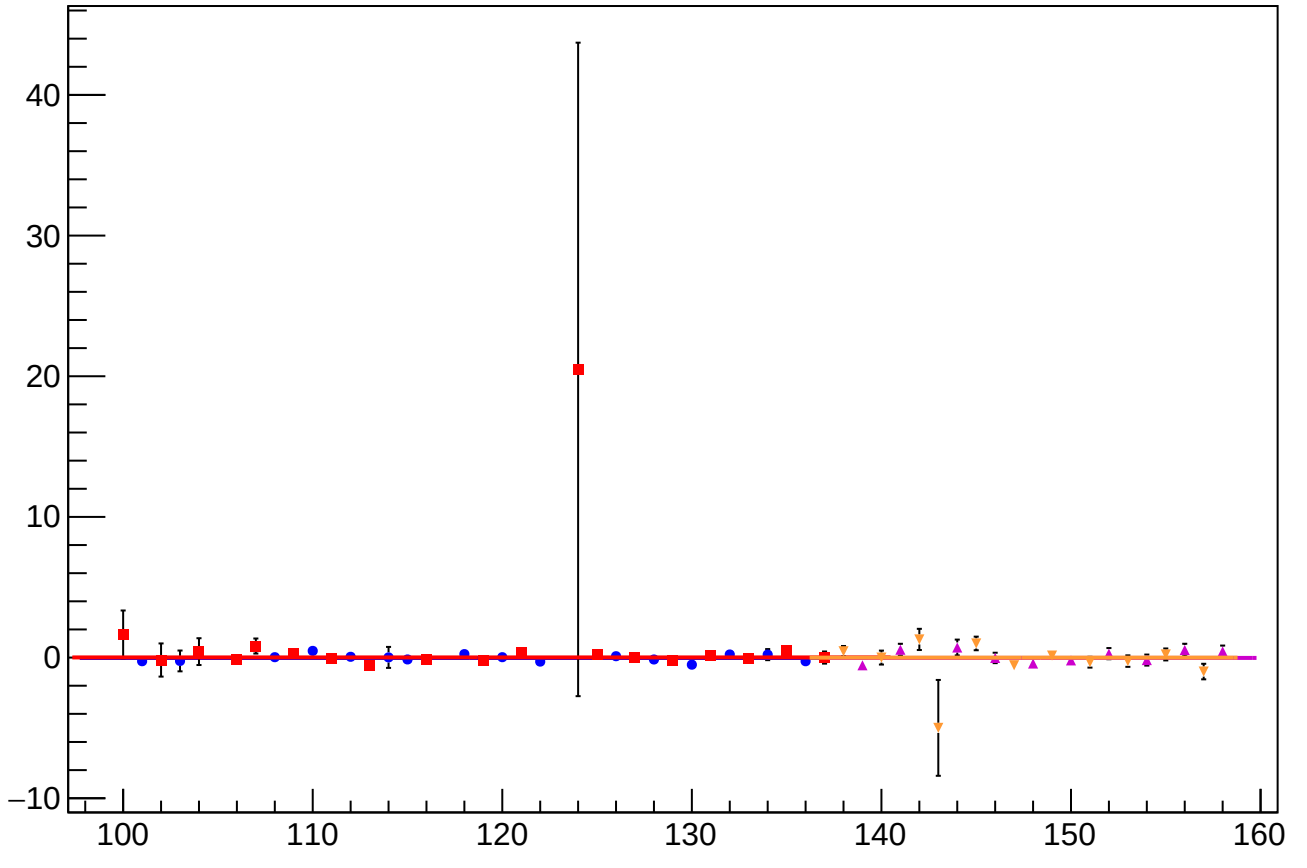
Left: 349.976+/-0.062 χ^2/NDF: 2370824.3/20

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 181.691+/-0.037 χ^2/NDF:6113343.9/25

Out: 168.916+/-0.037 χ^2/NDF:9069366.3/29

All: 175.304+/-0.026 χ^2/NDF: 15243153.8/55



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.024+/-0.118 χ^2/NDF:12.6/9

Left: -0.015+/-0.088 χ^2/NDF: 31.1/20

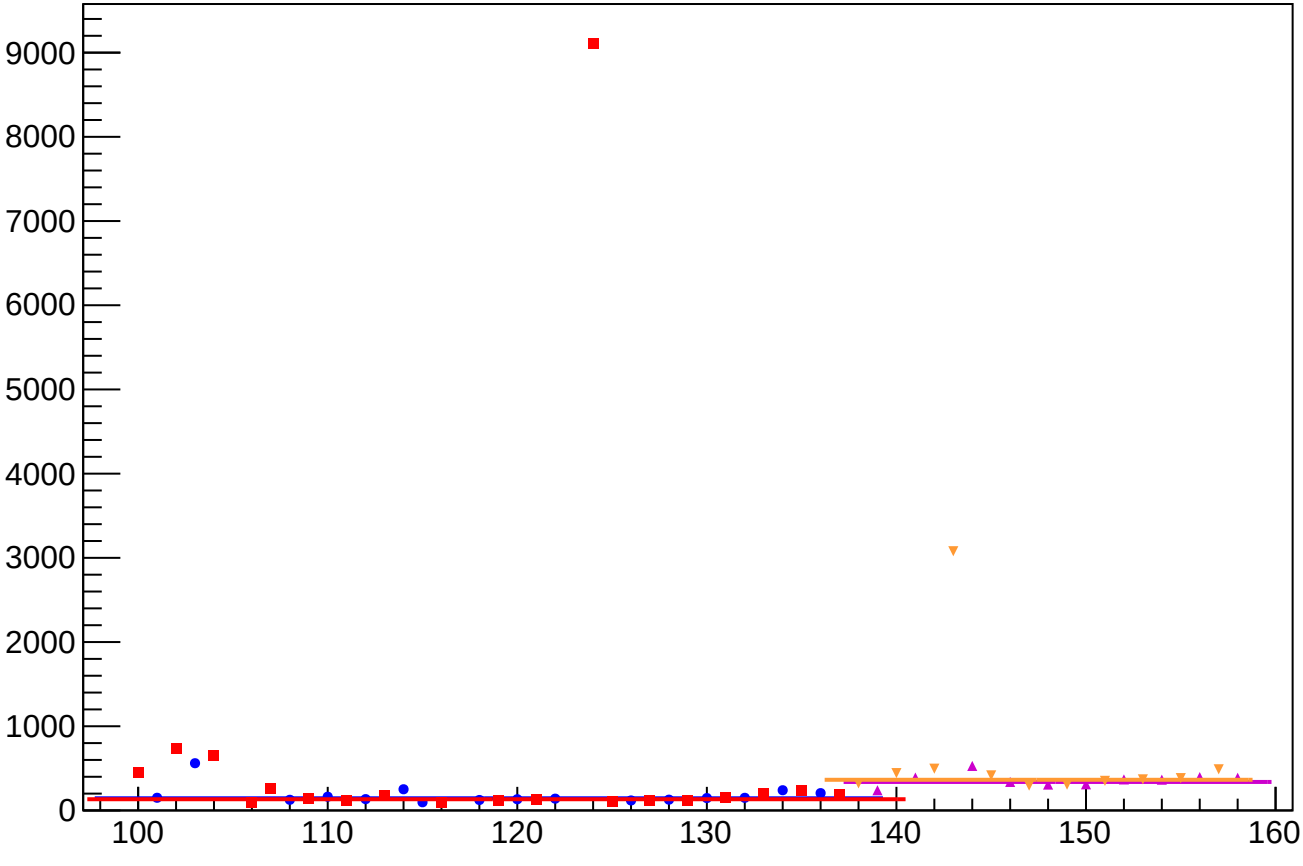
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.028+/-0.052 χ^2/NDF:29.9/25

Out: 0.008+/-0.052 χ^2/NDF:40.2/29

All: -0.010+/-0.037 χ^2/NDF: 70.4/55

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: 364.218+/-0.094 χ^2/NDF:1690269.3/10

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 338.556+/-0.084 χ^2/NDF:638761.8/9

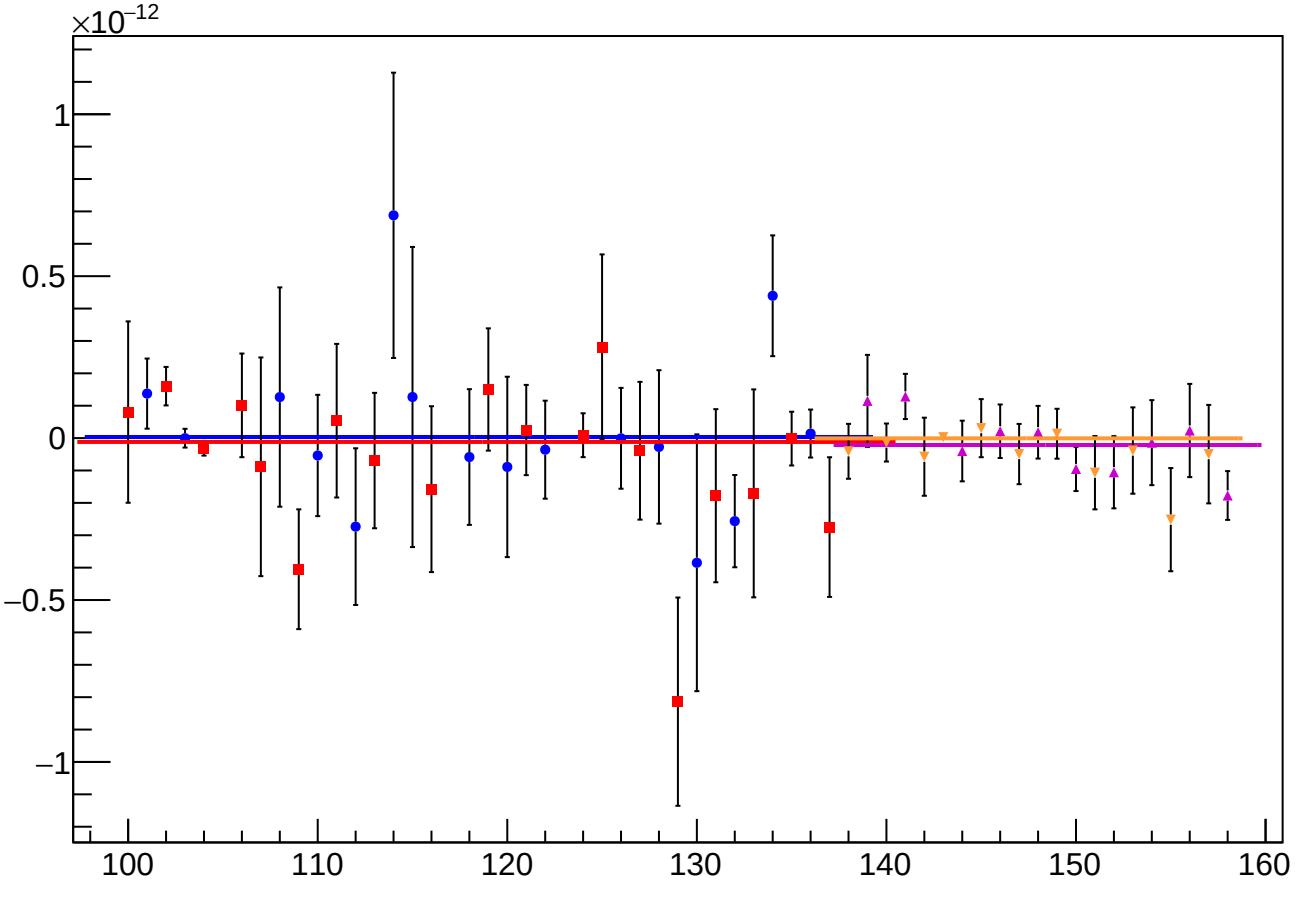
Left: 349.976+/-0.062 χ^2/NDF: 2370824.3/20

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 181.691+/-0.037 χ^2/NDF:6113343.9/25

Out: 168.916+/-0.037 χ^2/NDF:9069366.3/29

All: 175.304+/-0.026 χ^2/NDF: 15243153.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/9

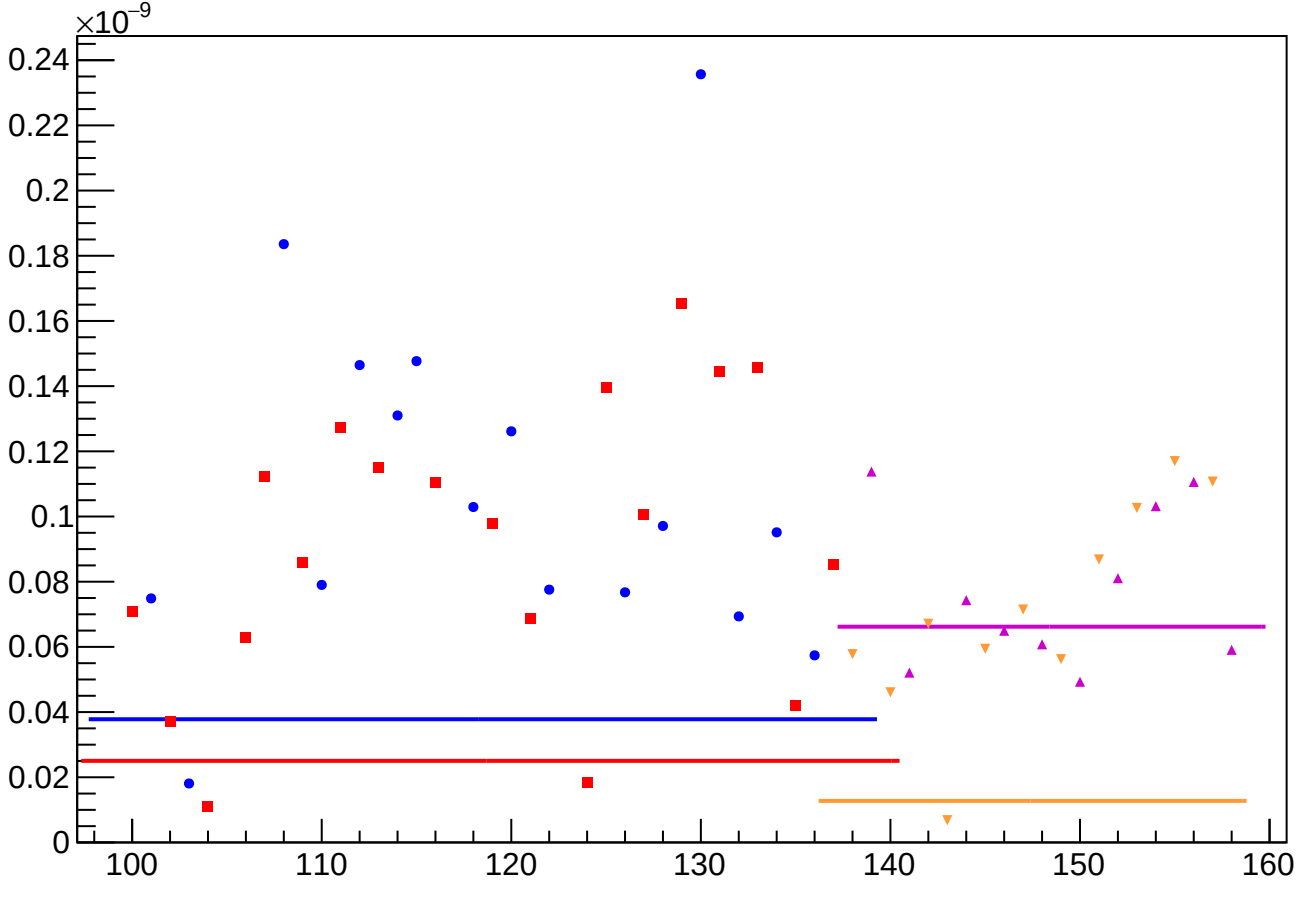
Left: -0.000+/-0.000 χ^2/NDF: 17.3/20

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:28.3/25

Out: -0.000+/-0.000 χ^2/NDF:30.0/29

All: -0.000+/-0.000 χ^2/NDF: 58.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:7736854.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:855731.1/9

Left: 0.000+/-0.000 χ^2/NDF: 14979877.8/20

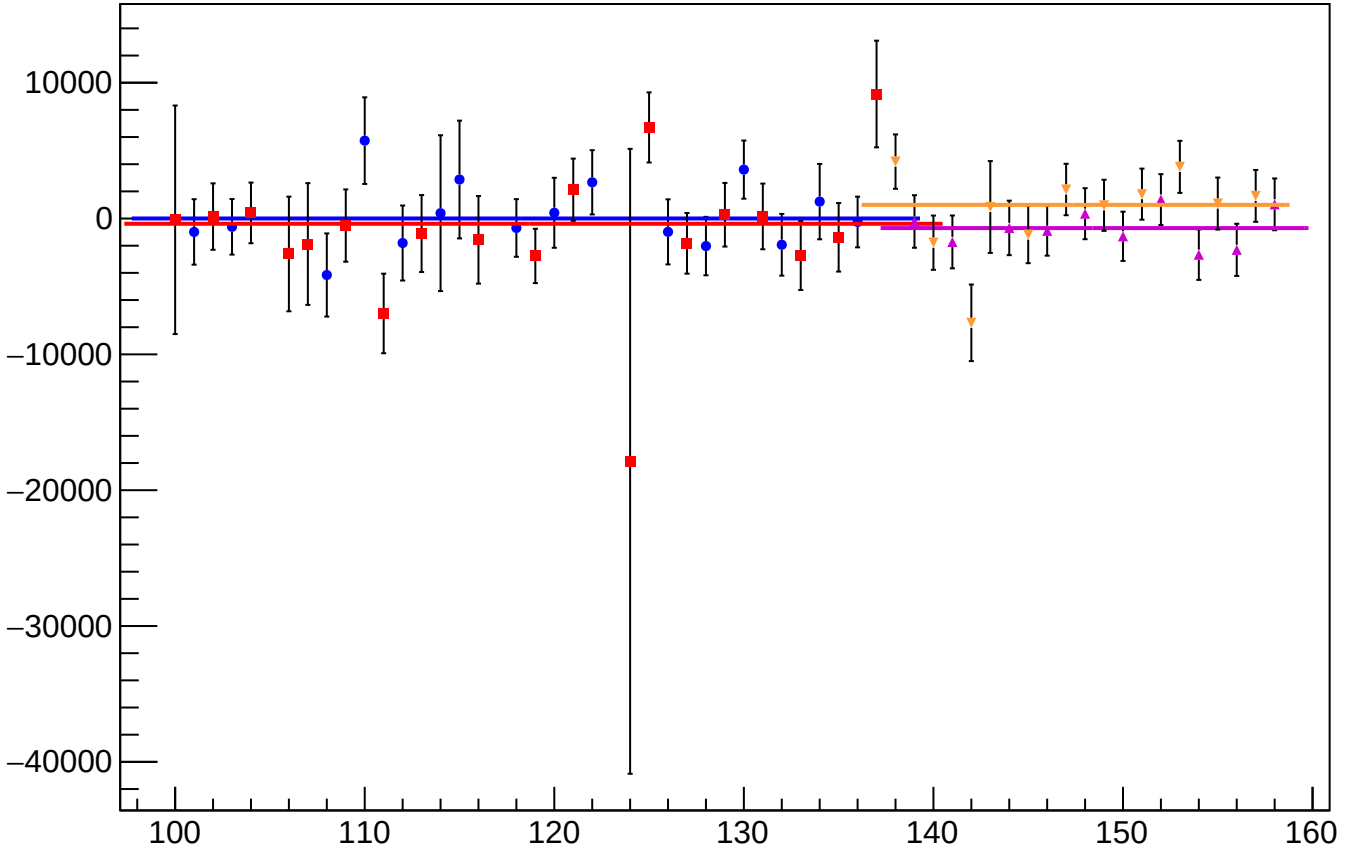
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:5970513.5/25

Out: 0.000+/-0.000 χ^2/NDF:13132837.5/29

All: 0.000+/-0.000 χ^2/NDF: 24897525.6/55

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1006.524+/-619.827 χ^2/NDF:17.8/10

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -703.087+/-598.821 χ^2/NDF:4.7/9

Left: 122.258+/-430.665 χ^2/NDF: 26.5/20

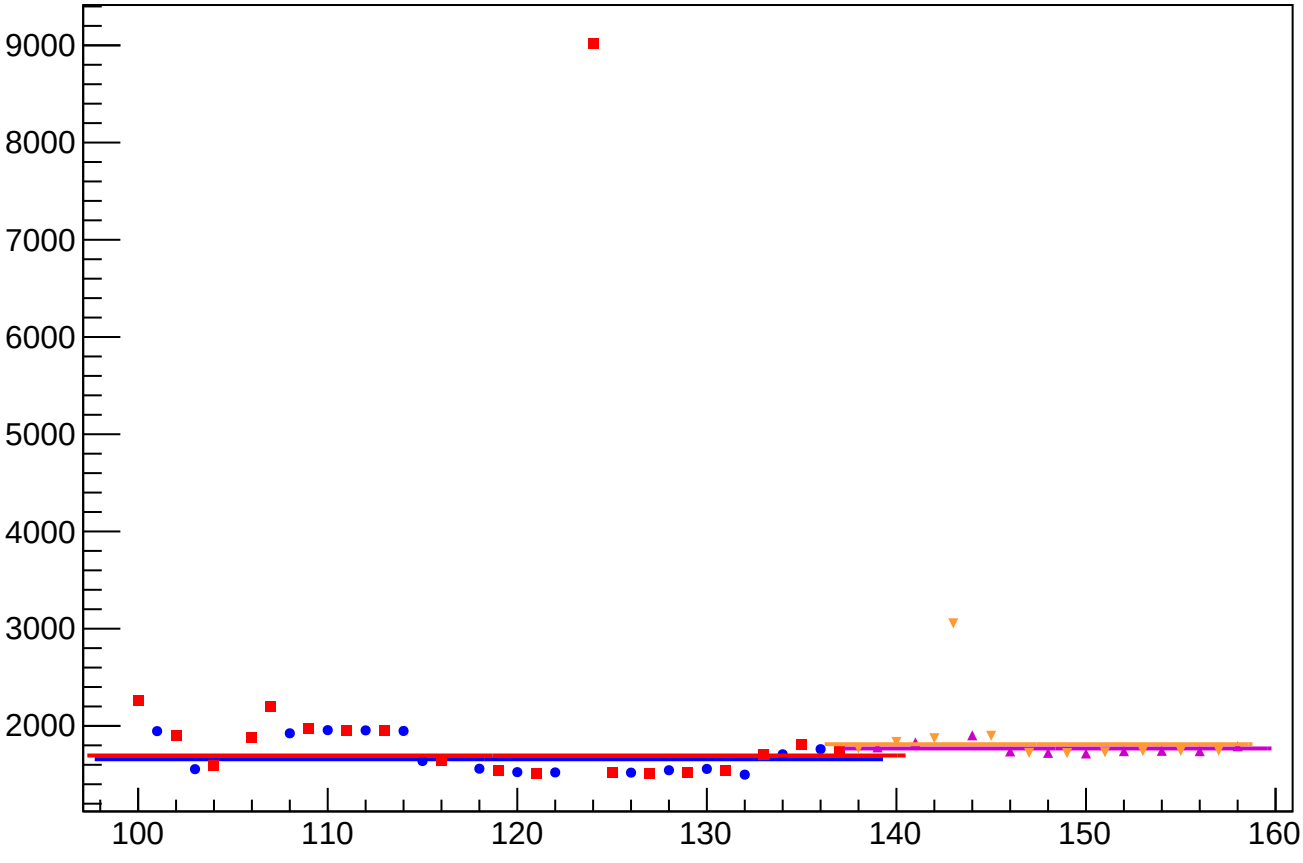
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -361.592+/-430.691 χ^2/NDF:17.8/25

Out: 326.259+/-443.101 χ^2/NDF:44.3/29

All: -27.434+/-308.839 χ^2/NDF: 63.4/55

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1811.664+/-0.438 χ^2/NDF:296672.3/10

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

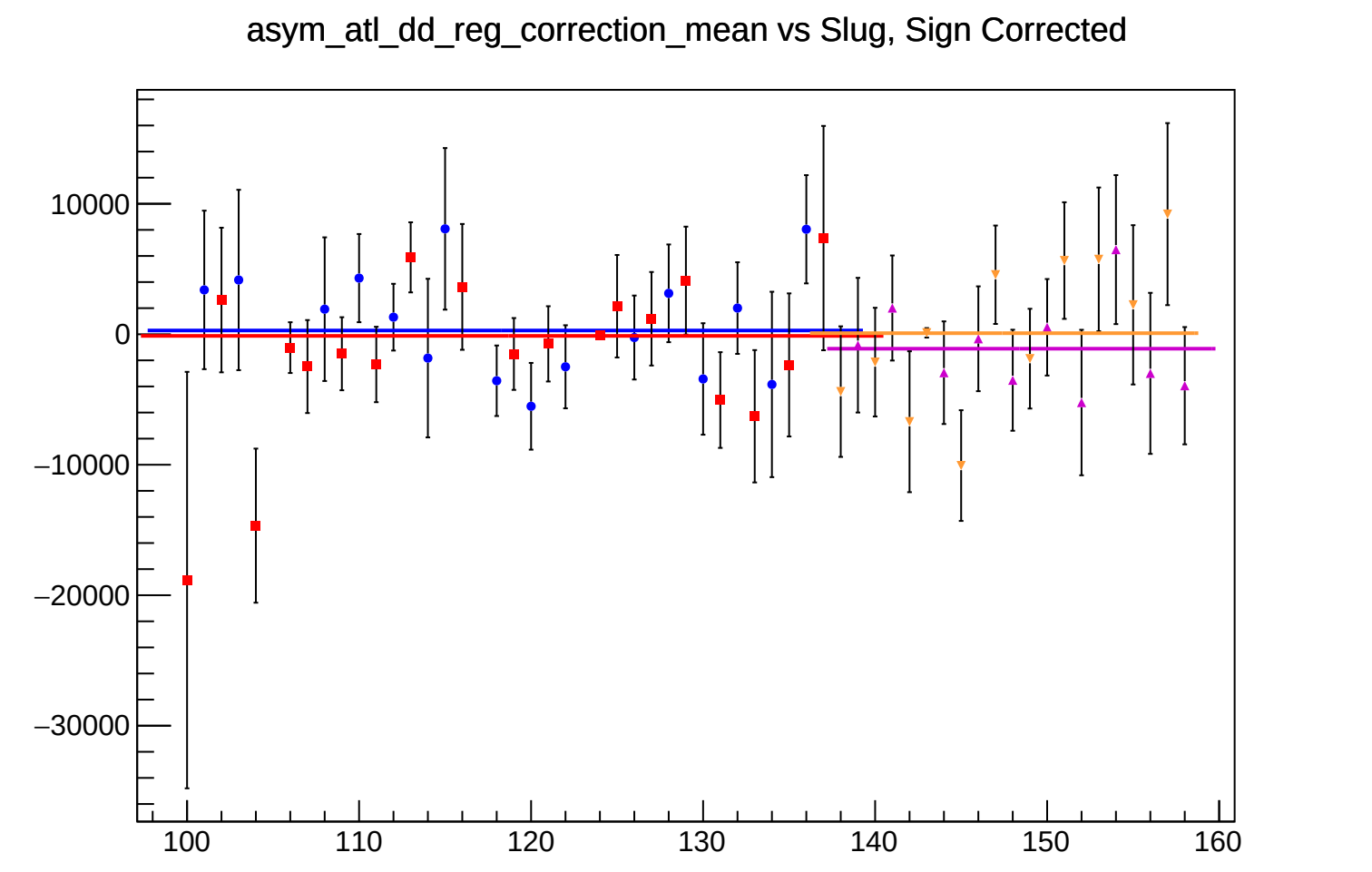
Left: 1789.029+/-0.305 χ^2/NDF: 317801.1/20

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1714.427+/-0.305 χ^2/NDF:192996.7/25

Out: 1754.671+/-0.313 χ^2/NDF:717309.8/29

All: 1734.023+/-0.218 χ^2/NDF: 918809.6/55



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 82.699+/-353.577 χ^2/NDF:14.5/10

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1107.442+/-1408.088 χ^2/NDF:4.3/9

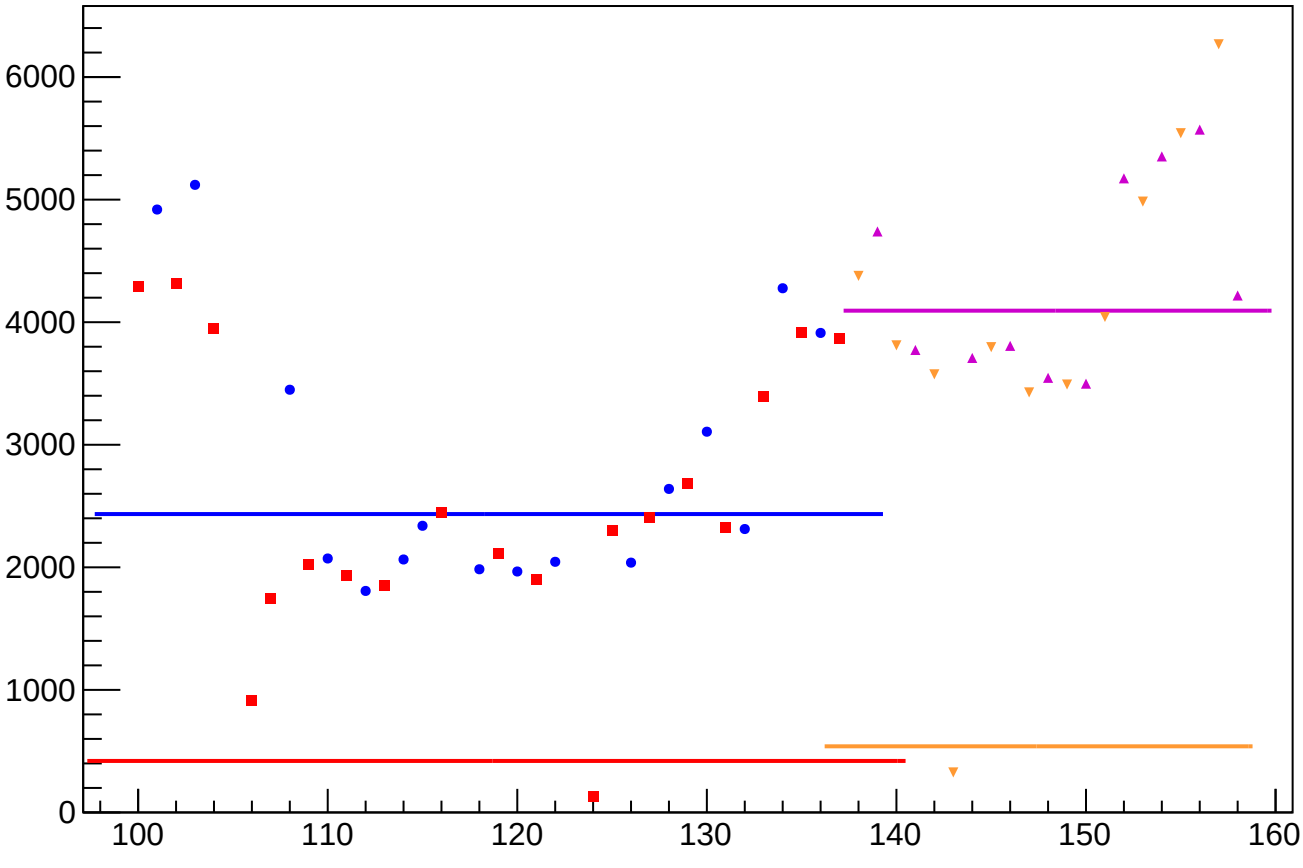
Left: 12.108+/-342.930 χ^2/NDF: 19.4/20

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -154.617+/-793.798 χ^2/NDF:20.1/25

Out: -30.609+/-238.761 χ^2/NDF:35.5/29

All: -40.897+/-228.642 χ^2/NDF: 55.7/55



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 539.578+/-0.250 χ^2/NDF:12496683.1/10

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4094.037+/-0.996 χ^2/NDF:453799.8/9

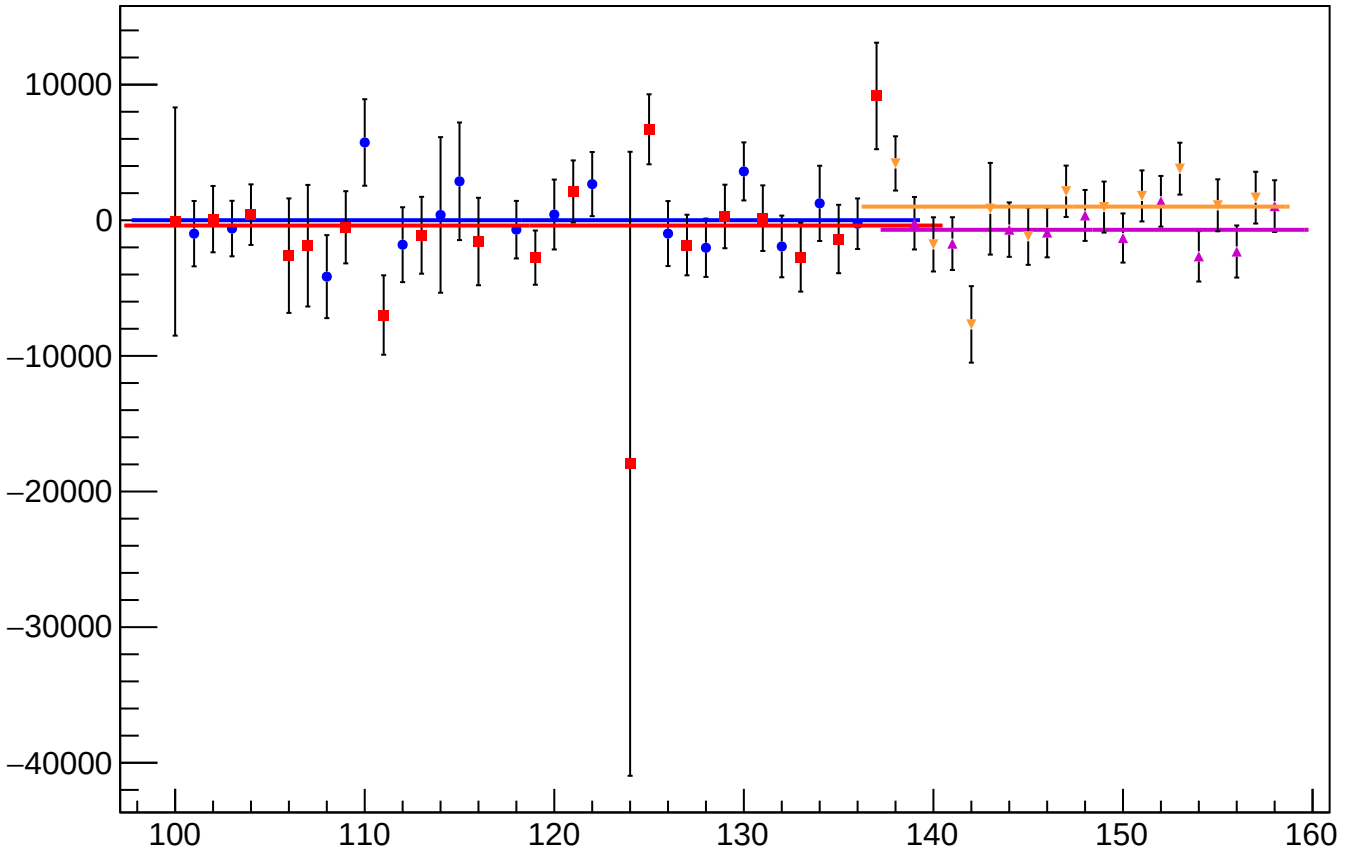
Left: 750.405+/-0.242 χ^2/NDF: 24938916.6/20

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2961.972+/-0.561 χ^2/NDF:3806499.5/25

Out: 474.686+/-0.169 χ^2/NDF:23684491.9/29

All: 681.043+/-0.162 χ^2/NDF: 45498260.7/55



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1006.362+/-619.827 χ^2/NDF:17.8/10

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -703.071+/-598.821 χ^2/NDF:4.7/9

Left: 122.188+/-430.665 χ^2/NDF: 26.5/20

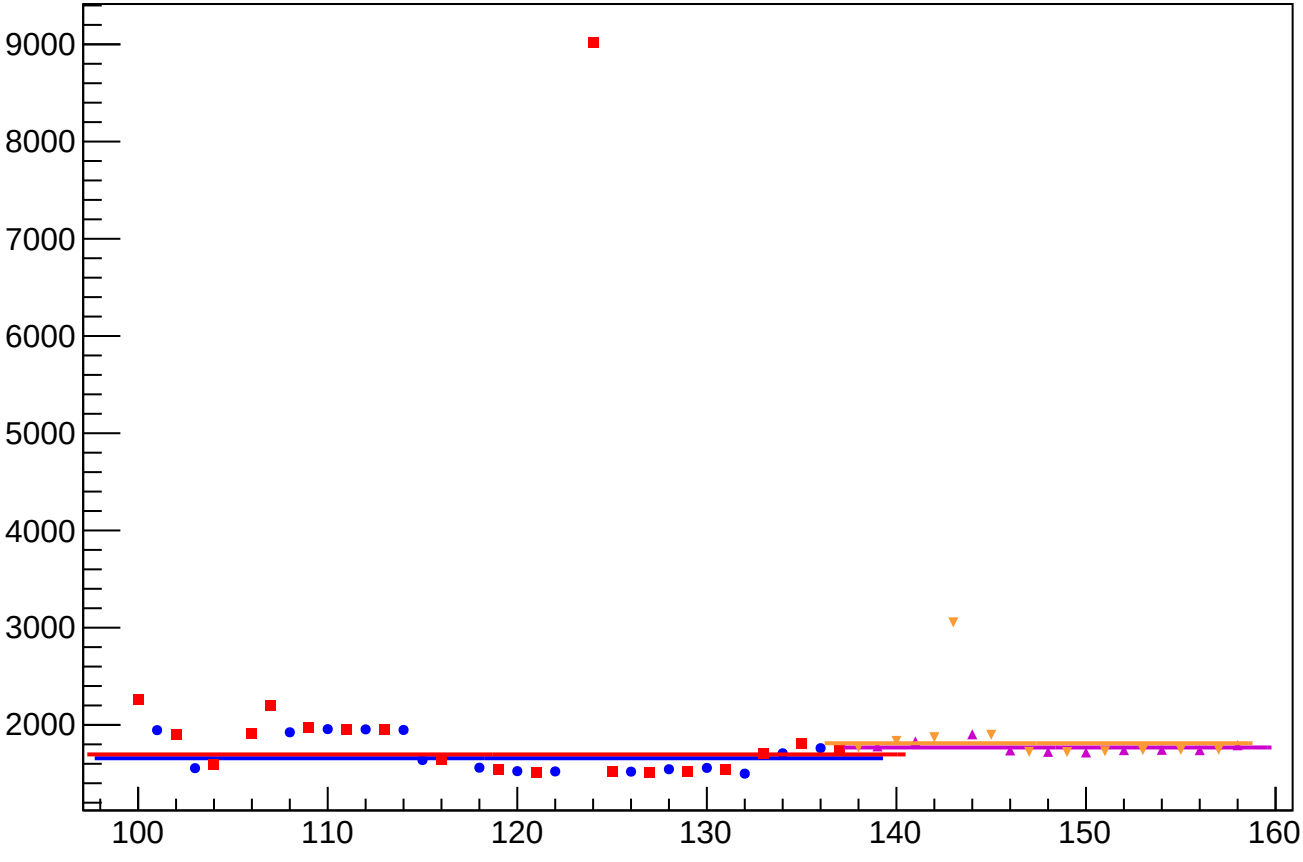
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -361.622+/-430.691 χ^2/NDF:17.8/25

Out: 324.082+/-443.103 χ^2/NDF:44.4/29

All: -28.508+/-308.840 χ^2/NDF: 63.4/55

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1811.664+/-0.438 χ^2/NDF:296672.3/10

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

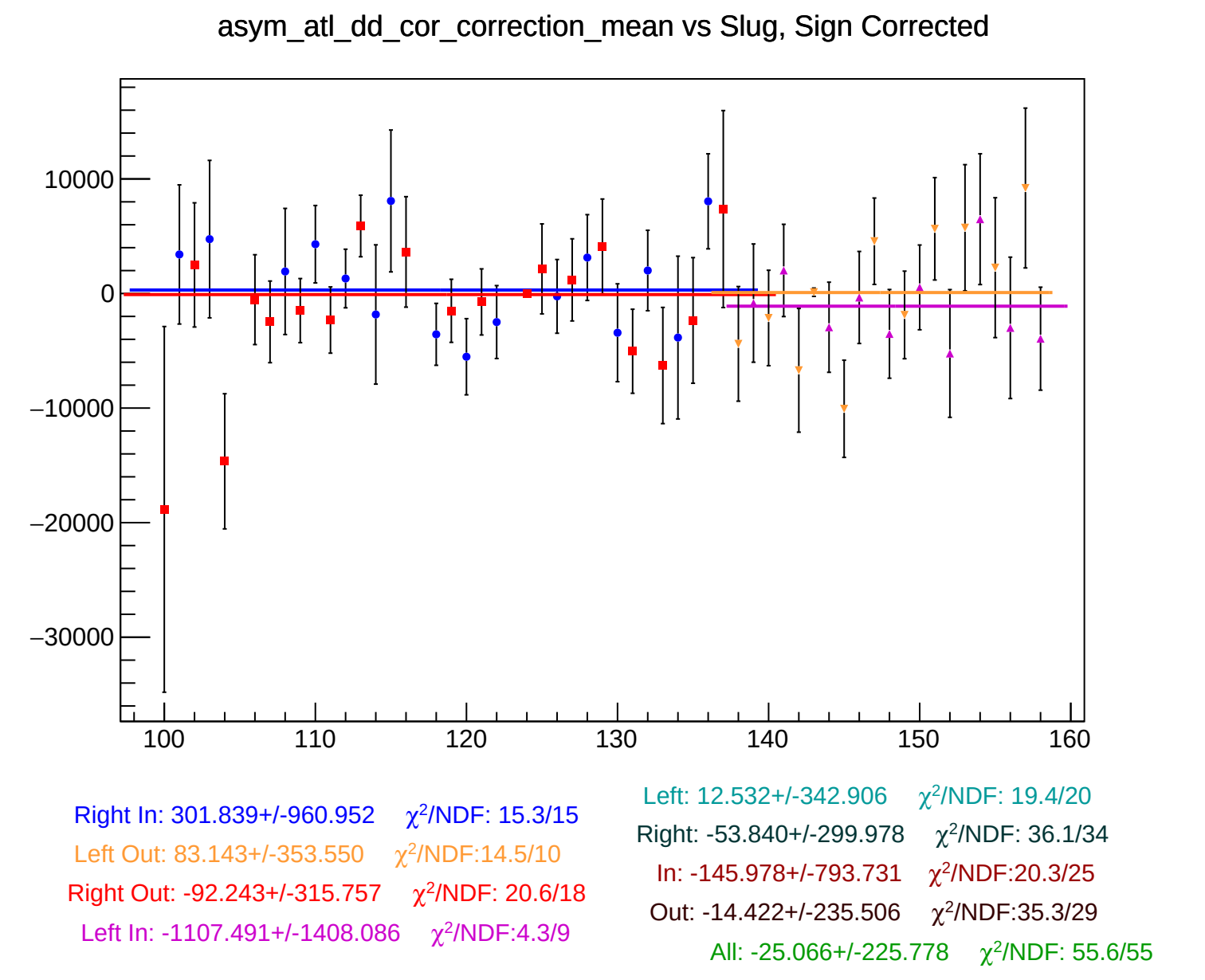
Left: 1789.029+/-0.305 χ^2/NDF: 317801.1/20

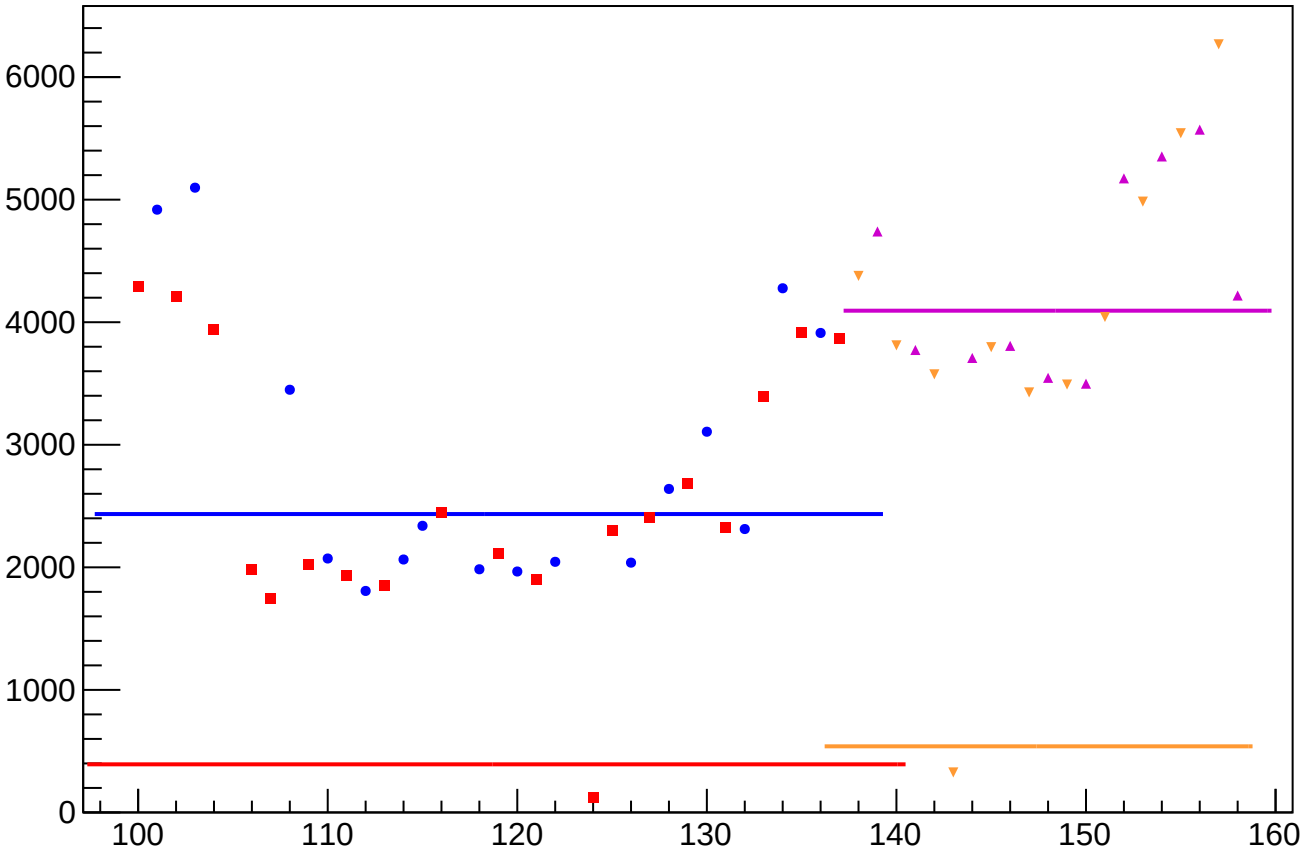
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1714.427+/-0.305 χ^2/NDF:192996.8/25

Out: 1755.089+/-0.313 χ^2/NDF:718582.2/29

All: 1734.222+/-0.218 χ^2/NDF: 920257.4/55


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 83.143+/-353.550 χ²/NDF:14.5/10
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -1107.491+/-1408.086 χ²/NDF:4.3/9
Left: 12.532+/-342.906 χ²/NDF: 19.4/20
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: -145.978+/-793.731 χ²/NDF:20.3/25
Out: -14.422+/-235.506 χ²/NDF:35.3/29
All: -25.066+/-225.778 χ²/NDF: 55.6/55



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 539.519+/-0.250 χ^2/NDF:12496965.2/10

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4094.034+/-0.996 χ^2/NDF:453793.1/9

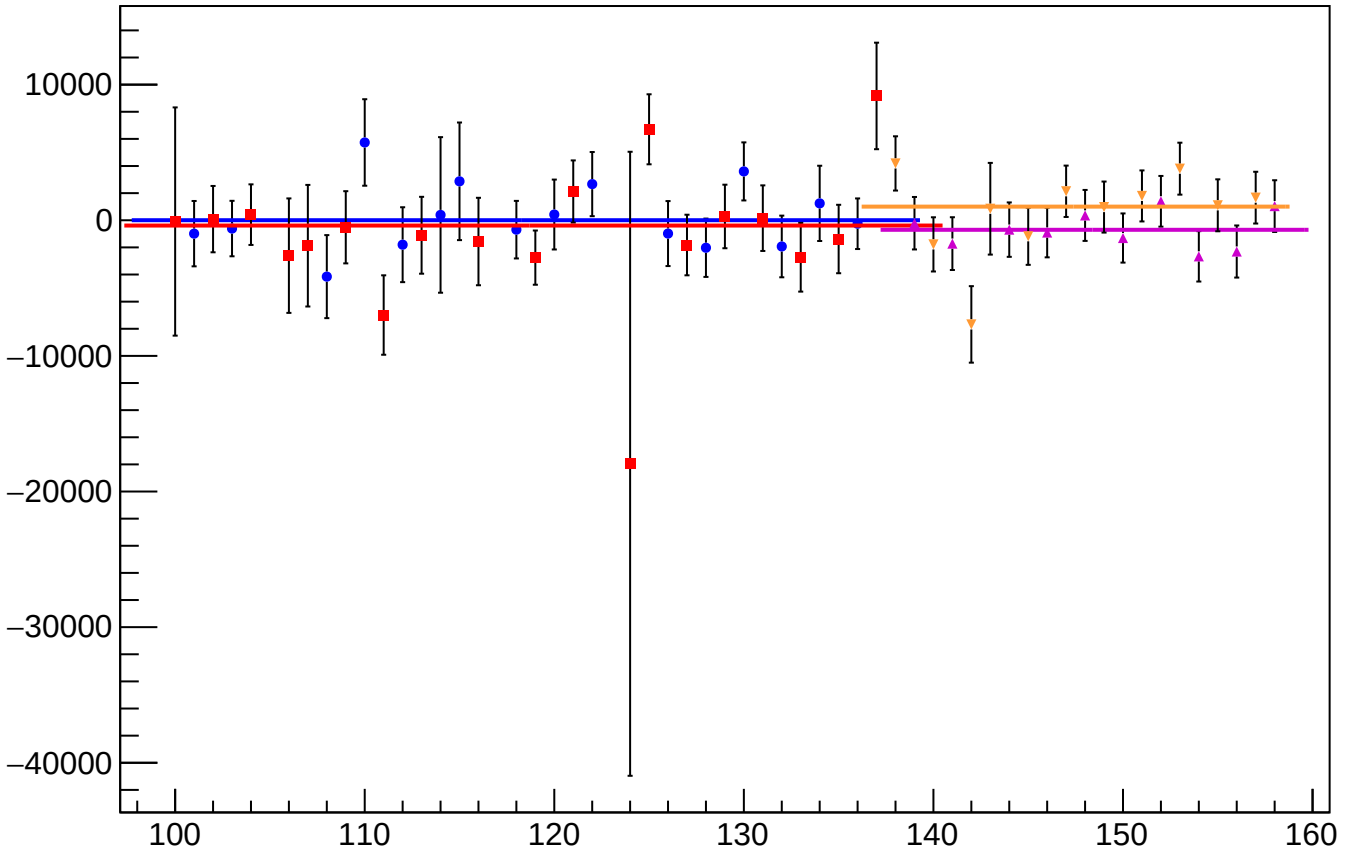
Left: 750.320+/-0.242 χ^2/NDF: 24939698.2/20

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2961.996+/-0.561 χ^2/NDF:3804566.4/25

Out: 457.826+/-0.167 χ^2/NDF:24096924.6/29

All: 660.445+/-0.160 χ^2/NDF: 46197986.9/55



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1006.362+/-619.827 χ^2/NDF:17.8/10

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -703.071+/-598.821 χ^2/NDF:4.7/9

Left: 122.188+/-430.665 χ^2/NDF: 26.5/20

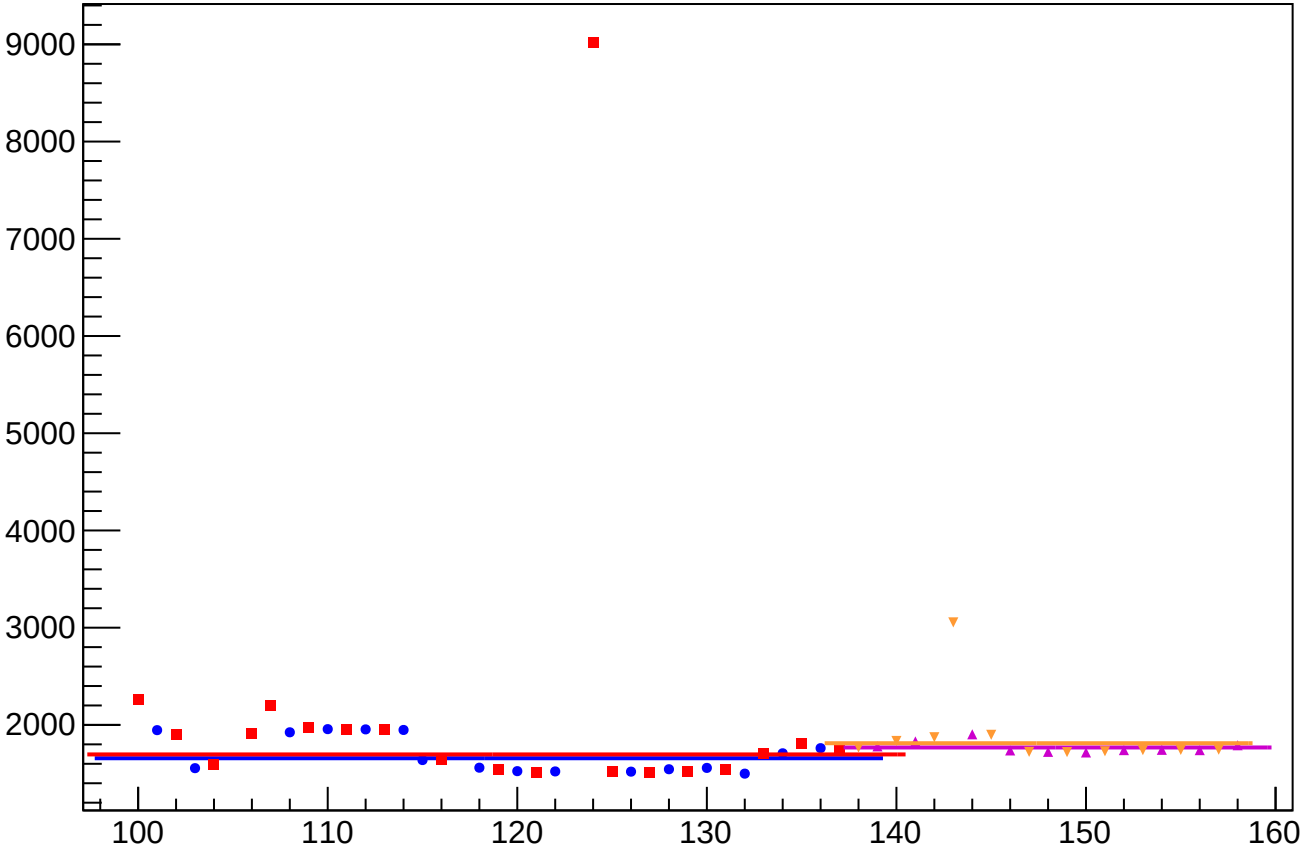
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -361.622+/-430.691 χ^2/NDF:17.8/25

Out: 324.082+/-443.103 χ^2/NDF:44.4/29

All: -28.508+/-308.840 χ^2/NDF: 63.4/55

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1811.664+/-0.438 χ^2/NDF:296672.3/10

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

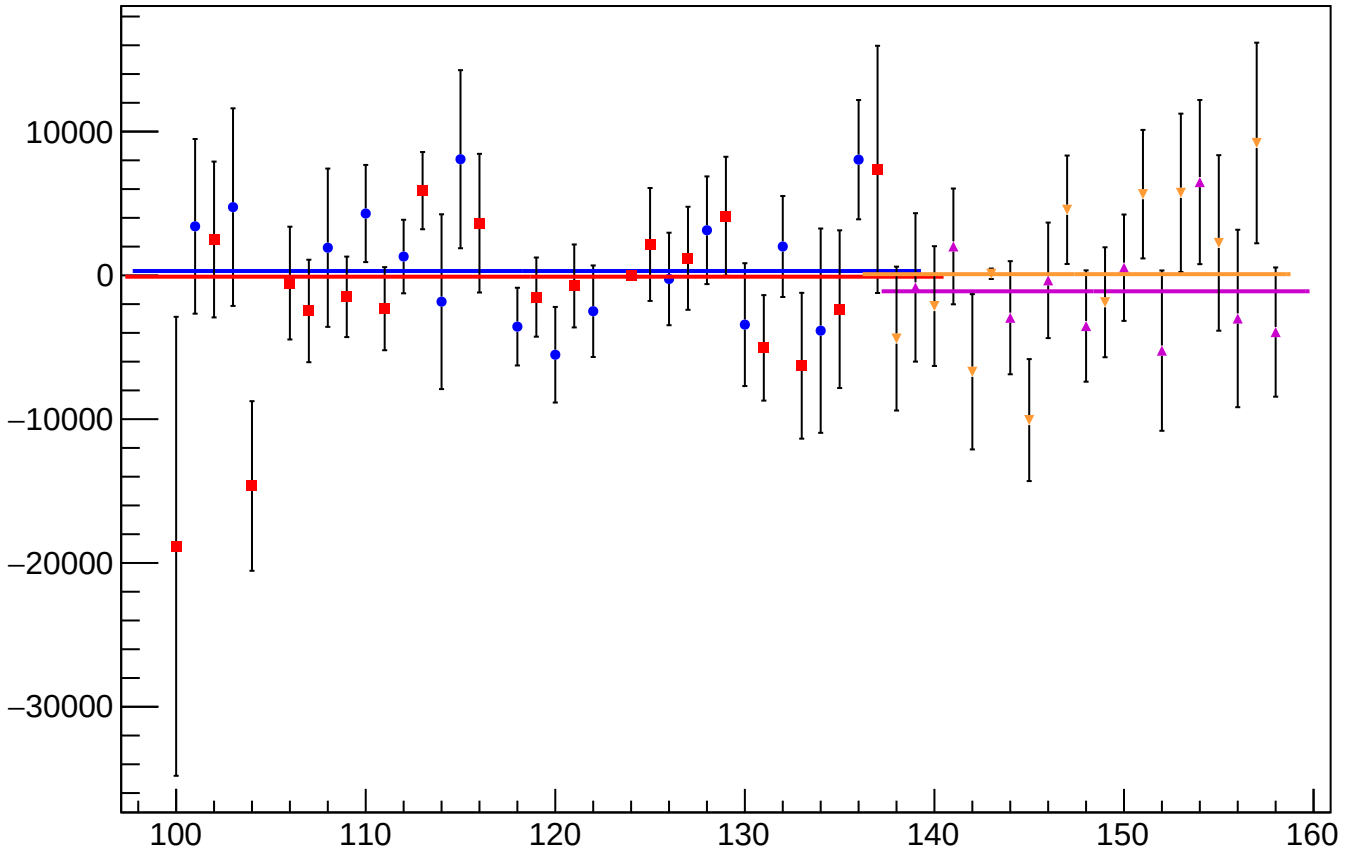
Left: 1789.029+/-0.305 χ^2/NDF: 317801.1/20

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1714.427+/-0.305 χ^2/NDF:192996.8/25

Out: 1755.089+/-0.313 χ^2/NDF:718582.2/29

All: 1734.222+/-0.218 χ^2/NDF: 920257.4/55



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 83.143+/-353.550 χ^2/NDF:14.5/10

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1107.491+/-1408.086 χ^2/NDF:4.3/9

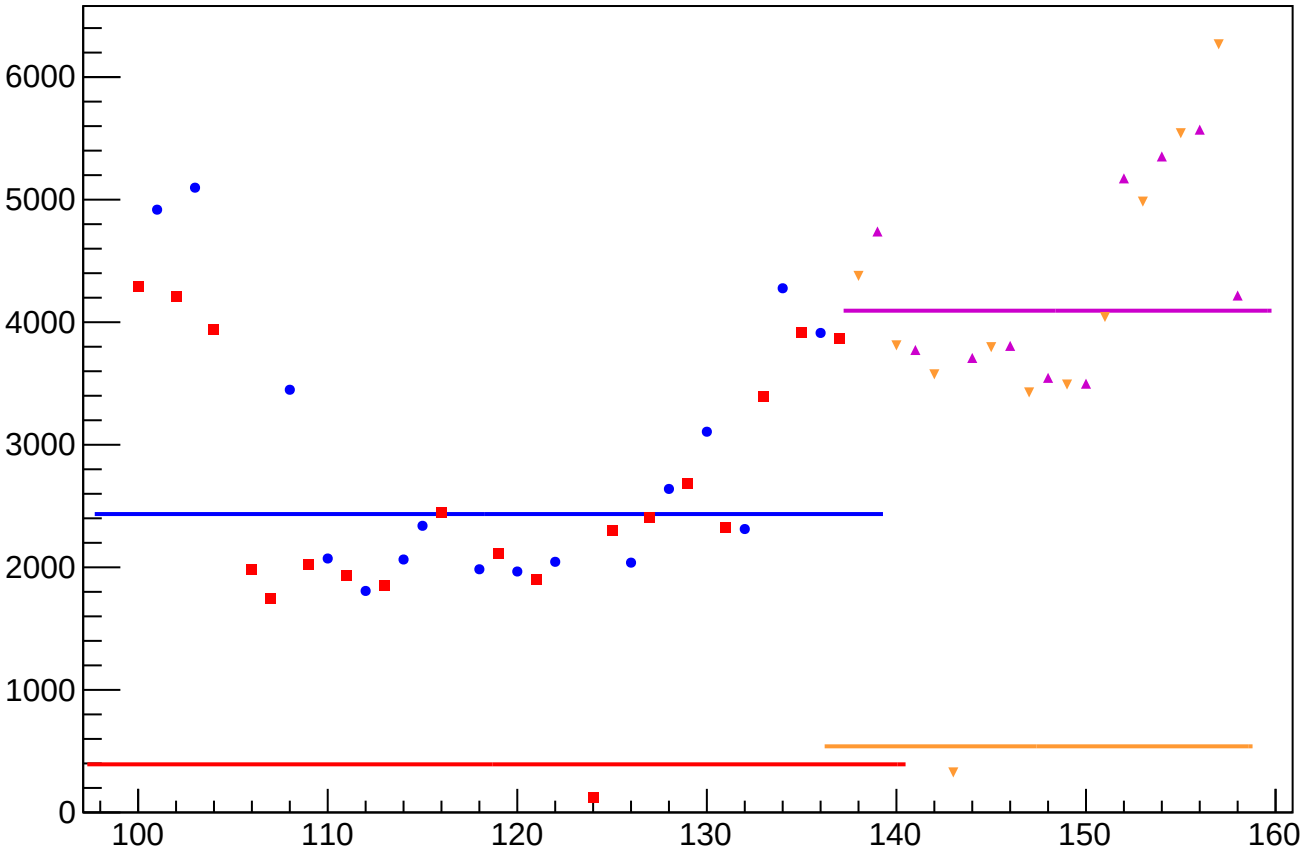
Left: 12.532+/-342.906 χ^2/NDF: 19.4/20

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -145.978+/-793.731 χ^2/NDF:20.3/25

Out: -14.422+/-235.506 χ^2/NDF:35.3/29

All: -25.066+/-225.778 χ^2/NDF: 55.6/55



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 539.519+/-0.250 χ^2/NDF:12496965.2/10

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4094.034+/-0.996 χ^2/NDF:453793.1/9

Left: 750.320+/-0.242 χ^2/NDF: 24939698.2/20

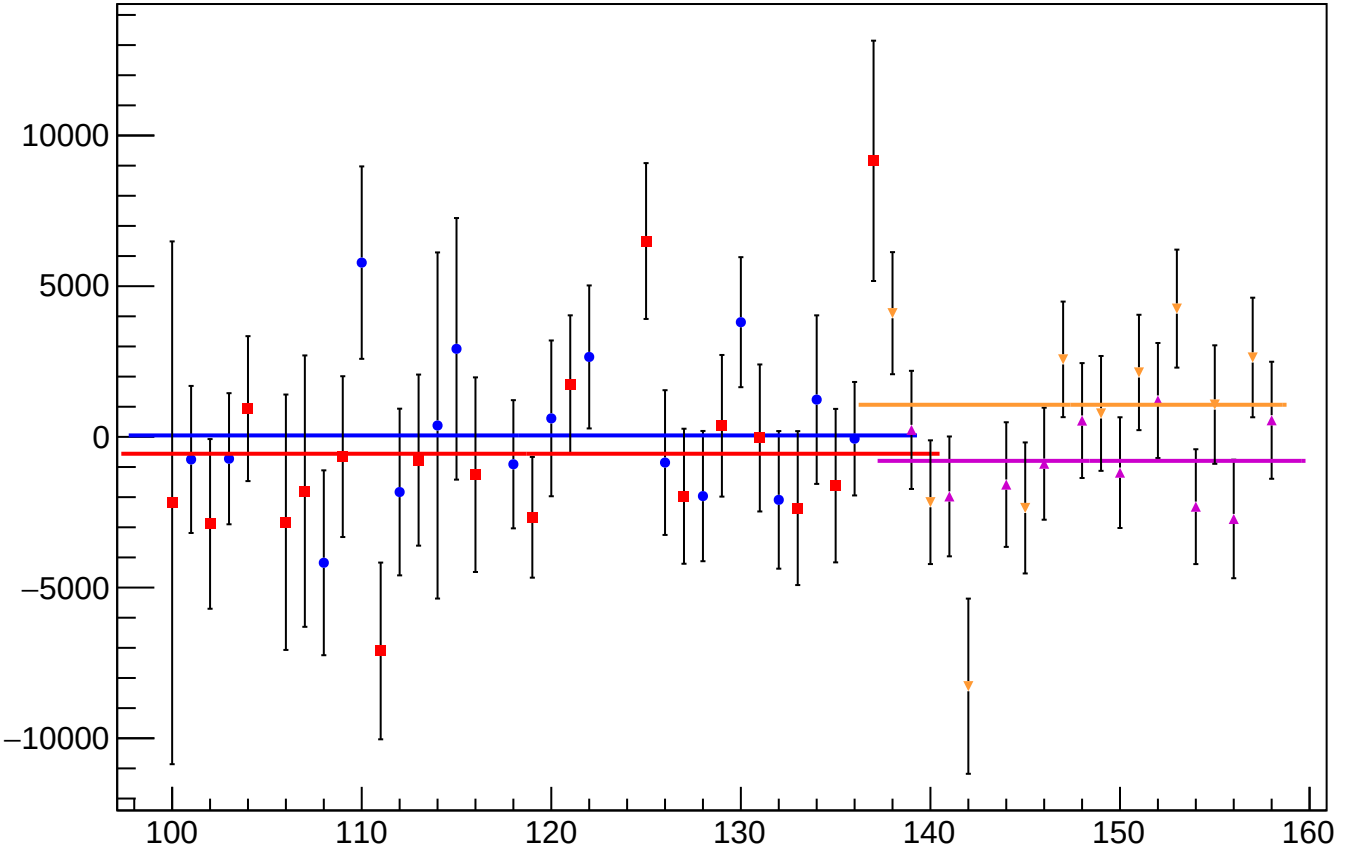
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2961.996+/-0.561 χ^2/NDF:3804566.4/25

Out: 457.826+/-0.167 χ^2/NDF:24096924.6/29

All: 660.445+/-0.160 χ^2/NDF: 46197986.9/55

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1065.481+/-644.812 χ^2/NDF:21.8/9

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -795.722+/-610.656 χ^2/NDF:4.5/9

Left: 84.281+/-443.382 χ^2/NDF: 30.7/19

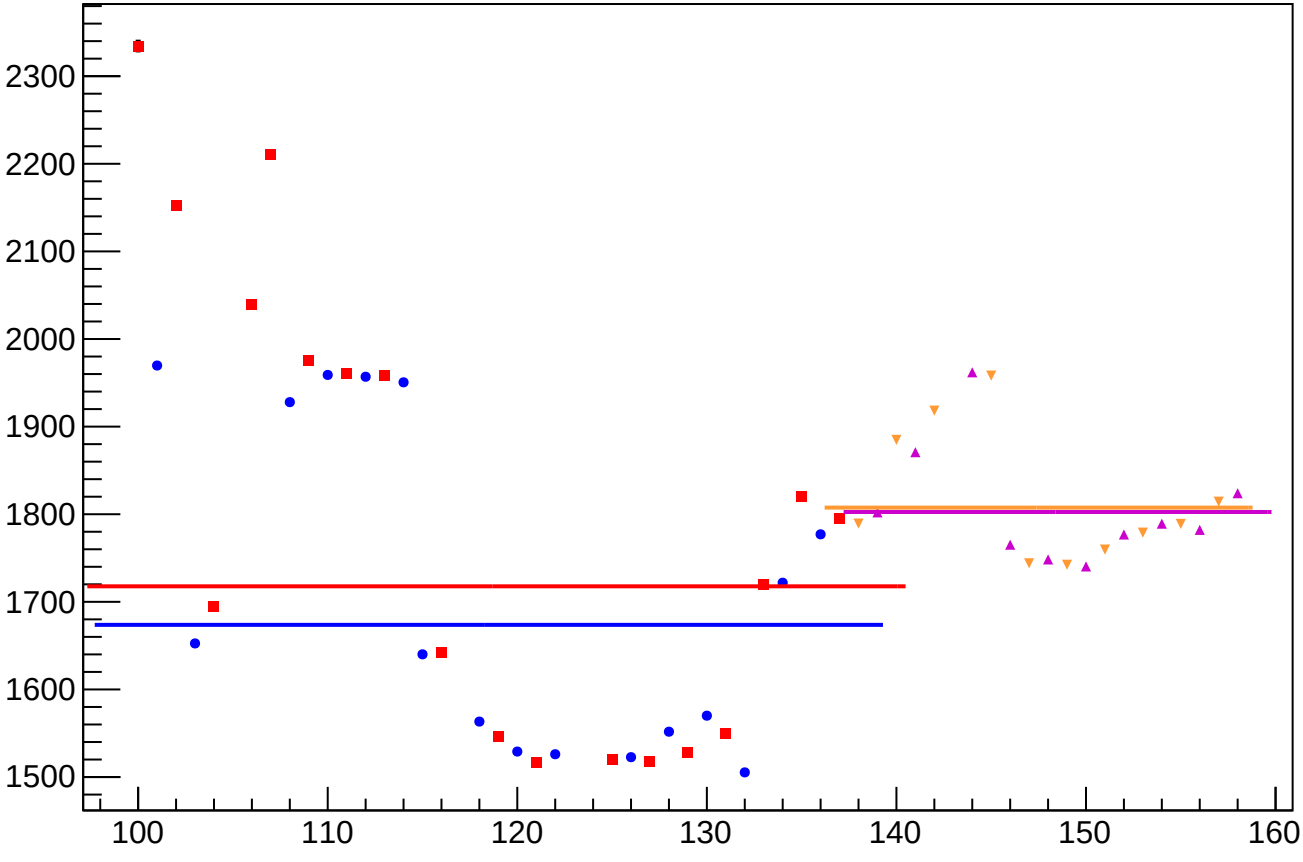
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -384.268+/-437.174 χ^2/NDF:18.2/25

Out: 253.545+/-456.120 χ^2/NDF:48.2/27

All: -78.883+/-315.614 χ^2/NDF: 67.5/53

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1807.561+/-0.456 χ^2/NDF:21927.9/9

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1802.564+/-0.432 χ^2/NDF:19872.0/9

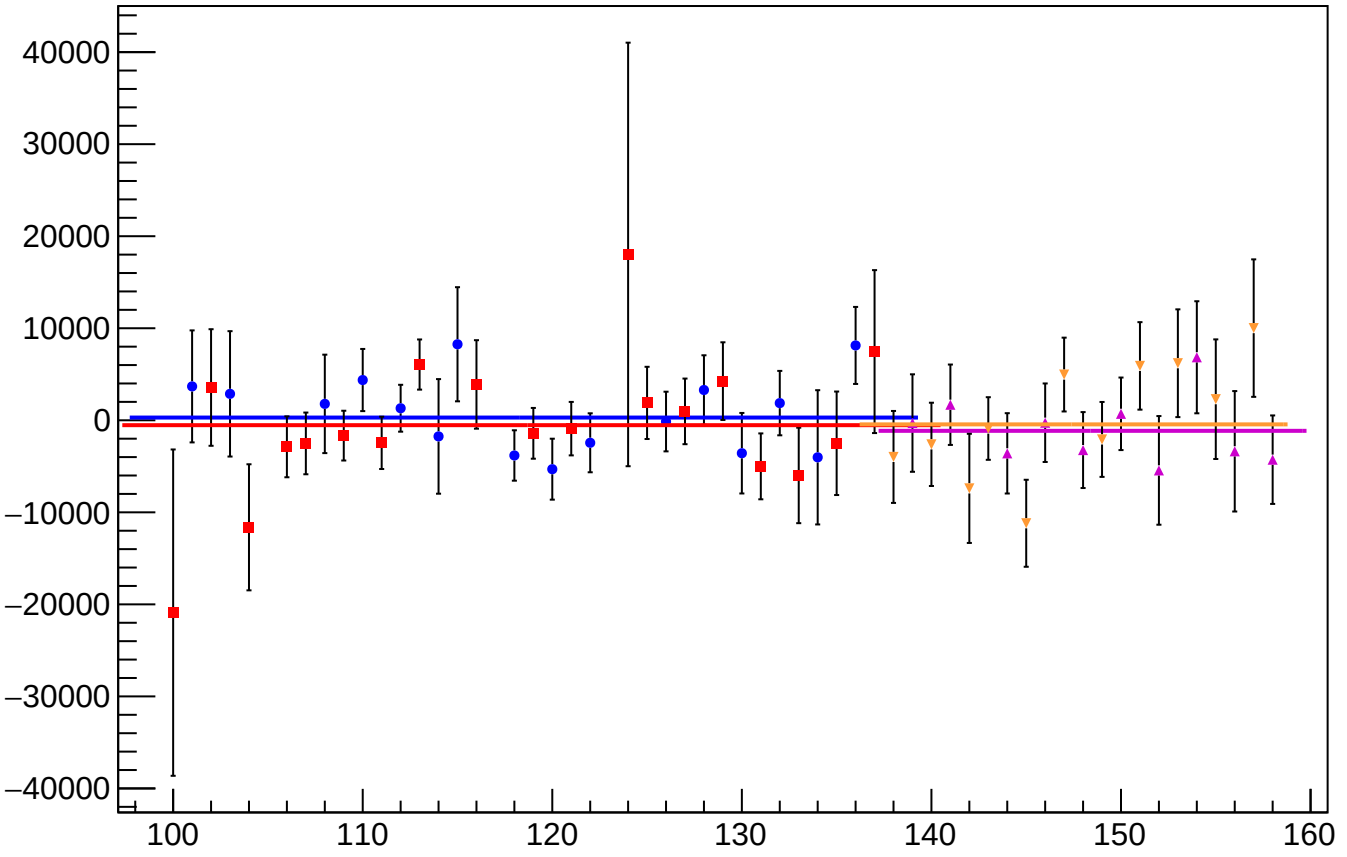
Left: 1804.927+/-0.314 χ^2/NDF: 41863.2/19

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1739.760+/-0.309 χ^2/NDF:204141.9/25

Out: 1762.567+/-0.322 χ^2/NDF:269016.1/27

All: 1750.693+/-0.223 χ^2/NDF: 475767.3/53



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -444.567+/-1434.168 χ^2/NDF:14.5/10

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -1146.144+/-1505.805 χ^2/NDF:4.1/9

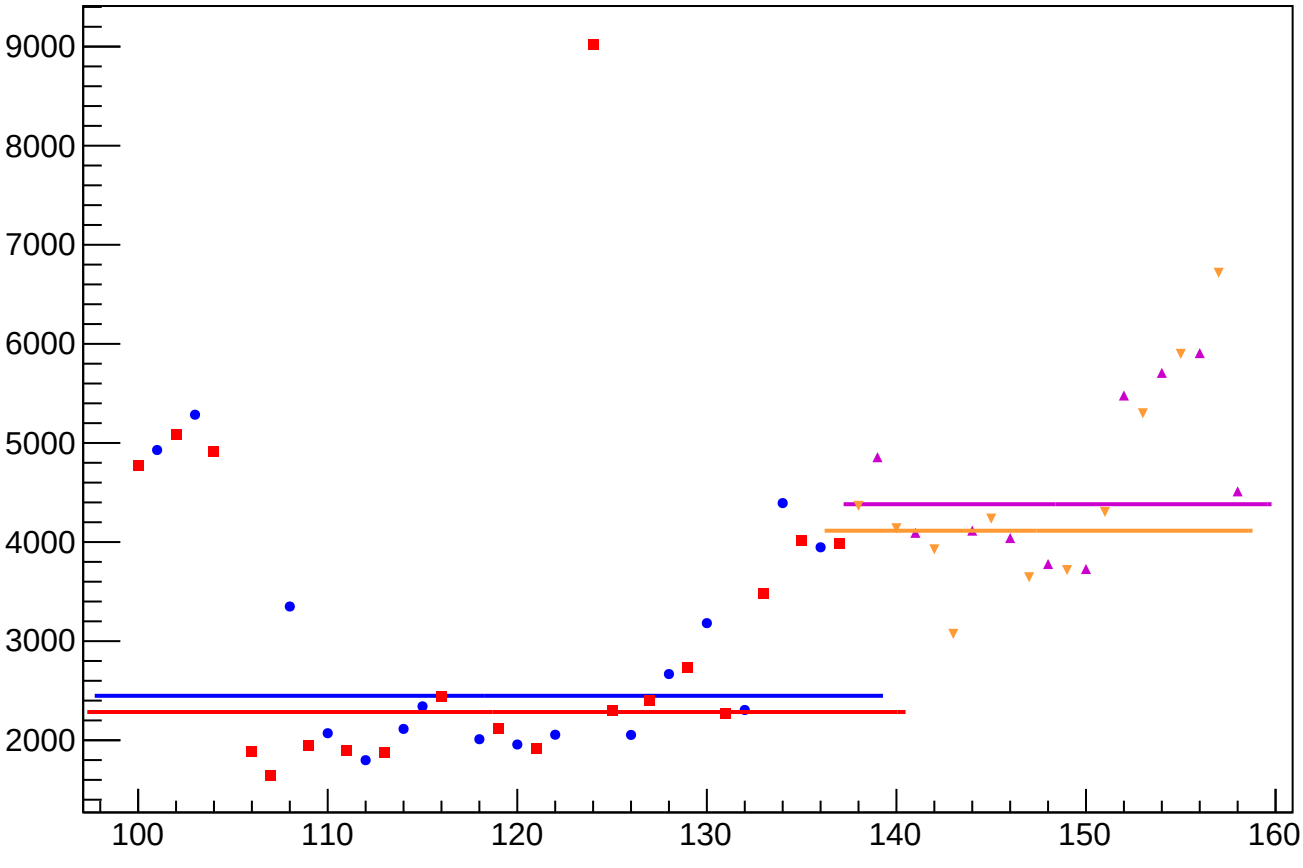
Left: -778.270+/-1038.512 χ^2/NDF: 18.7/20

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -123.284+/-812.284 χ^2/NDF:20.0/25

Out: -507.209+/-752.510 χ^2/NDF:33.3/29

All: -329.891+/-552.029 χ^2/NDF: 53.4/55



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4114.523+/-1.014 χ^2/NDF:721209.0/10

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4382.045+/-1.065 χ^2/NDF:416963.2/9

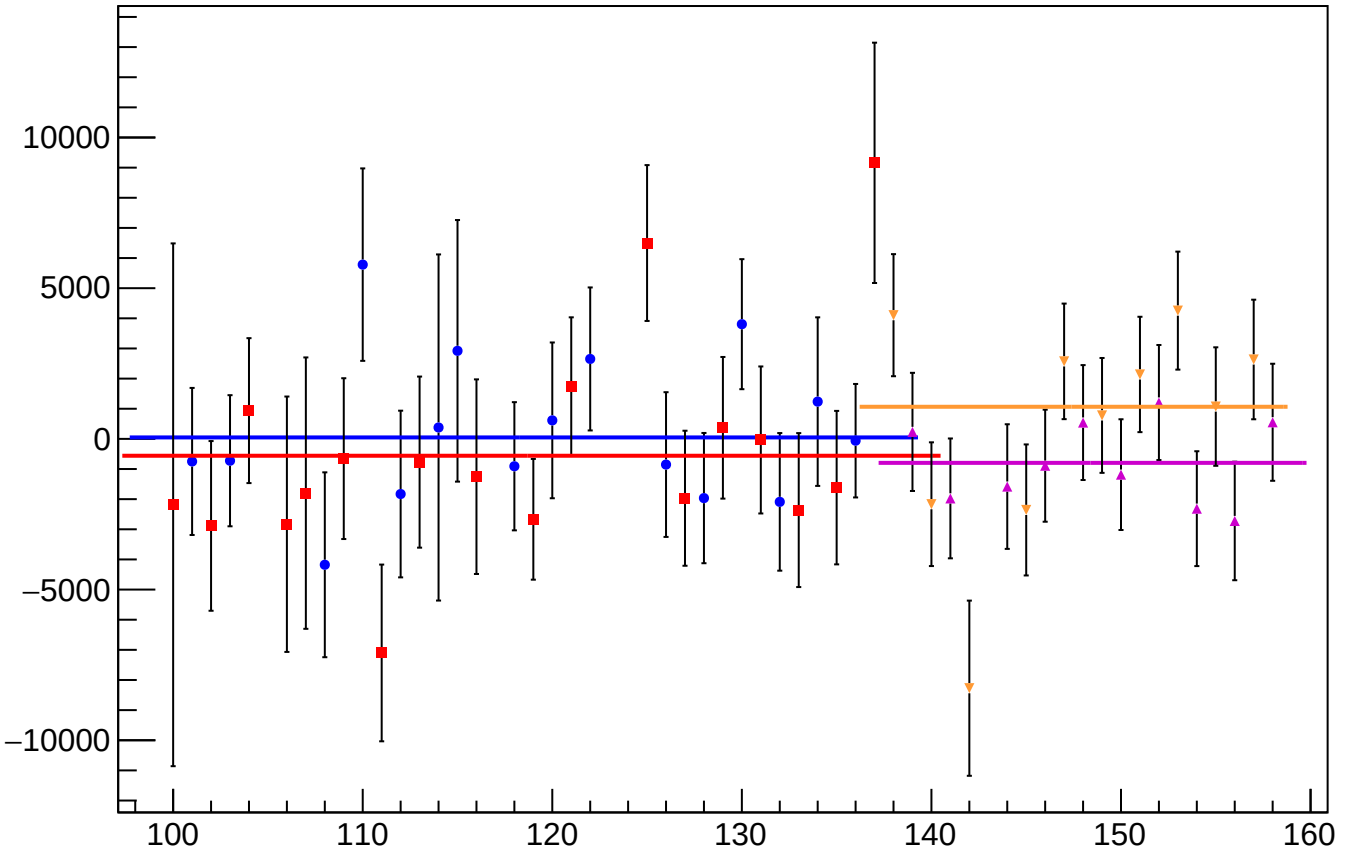
Left: 4241.769+/-0.734 χ^2/NDF: 1171272.7/20

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3011.213+/-0.574 χ^2/NDF:4272358.2/25

Out: 2788.743+/-0.532 χ^2/NDF:4628448.3/29

All: 2891.492+/-0.390 χ^2/NDF: 8981539.7/55



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1065.480+/-644.812 χ^2/NDF:21.8/9

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -795.725+/-610.656 χ^2/NDF:4.5/9

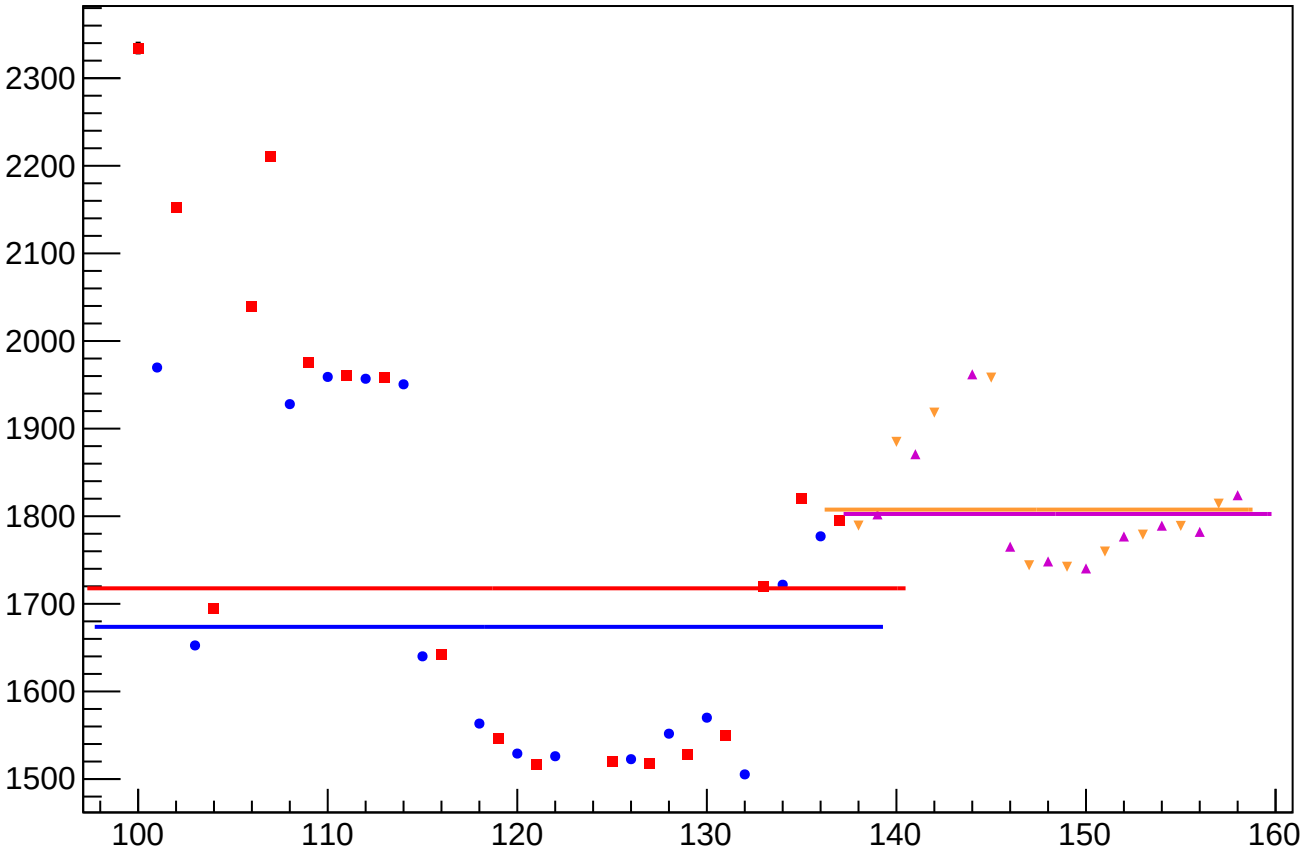
Left: 84.279+/-443.383 χ^2/NDF: 30.7/19

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -384.270+/-437.174 χ^2/NDF:18.2/25

Out: 253.543+/-456.120 χ^2/NDF:48.2/27

All: -78.885+/-315.614 χ^2/NDF: 67.5/53



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1807.563+/-0.456 χ^2/NDF:21928.3/9

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1802.565+/-0.432 χ^2/NDF:19872.2/9

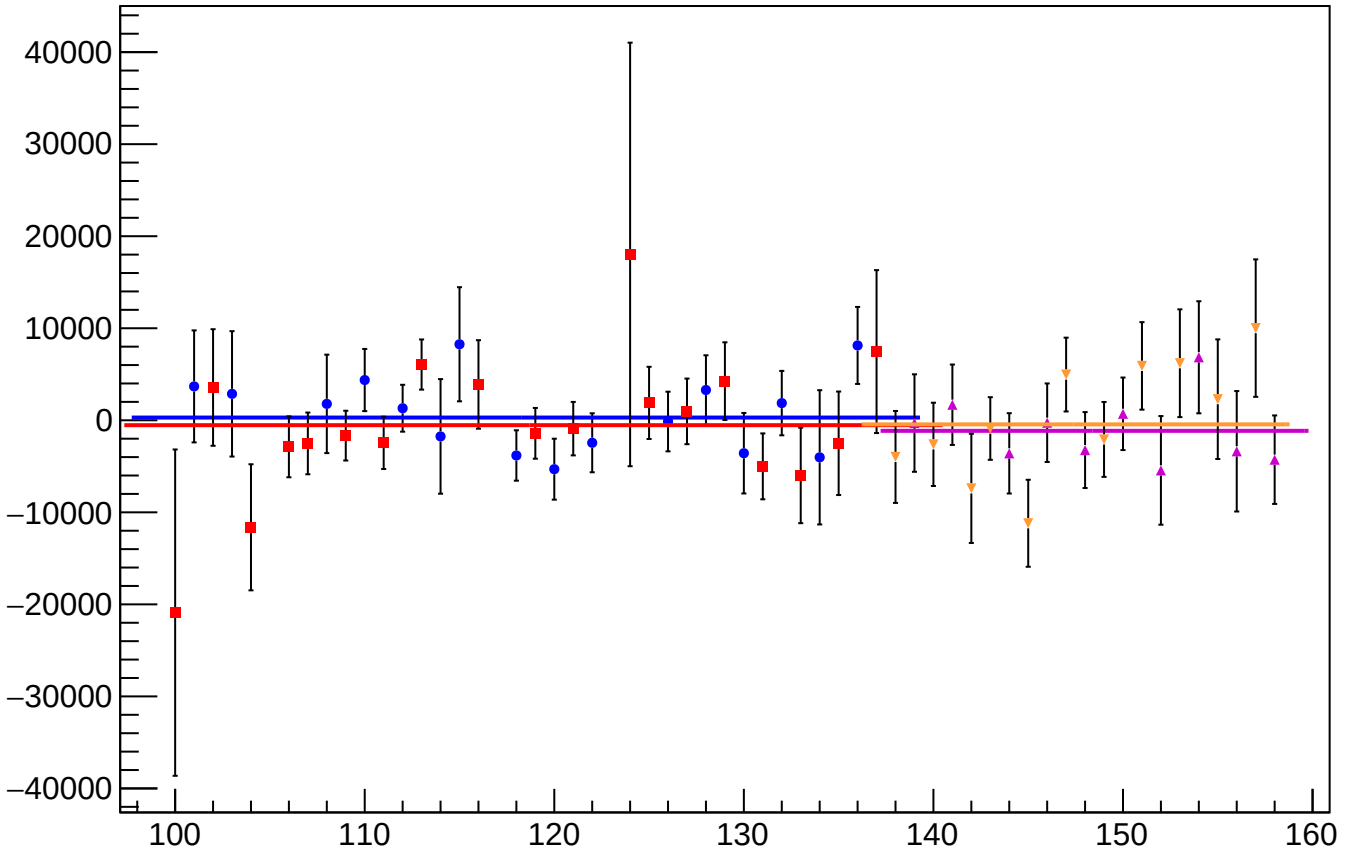
Left: 1804.928+/-0.314 χ^2/NDF: 41863.9/19

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1739.760+/-0.309 χ^2/NDF:204143.0/25

Out: 1762.567+/-0.322 χ^2/NDF:269016.4/27

All: 1750.693+/-0.223 χ^2/NDF: 475768.6/53



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -444.563+/-1434.170 χ^2/NDF:14.5/10

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1146.146+/-1505.807 χ^2/NDF:4.1/9

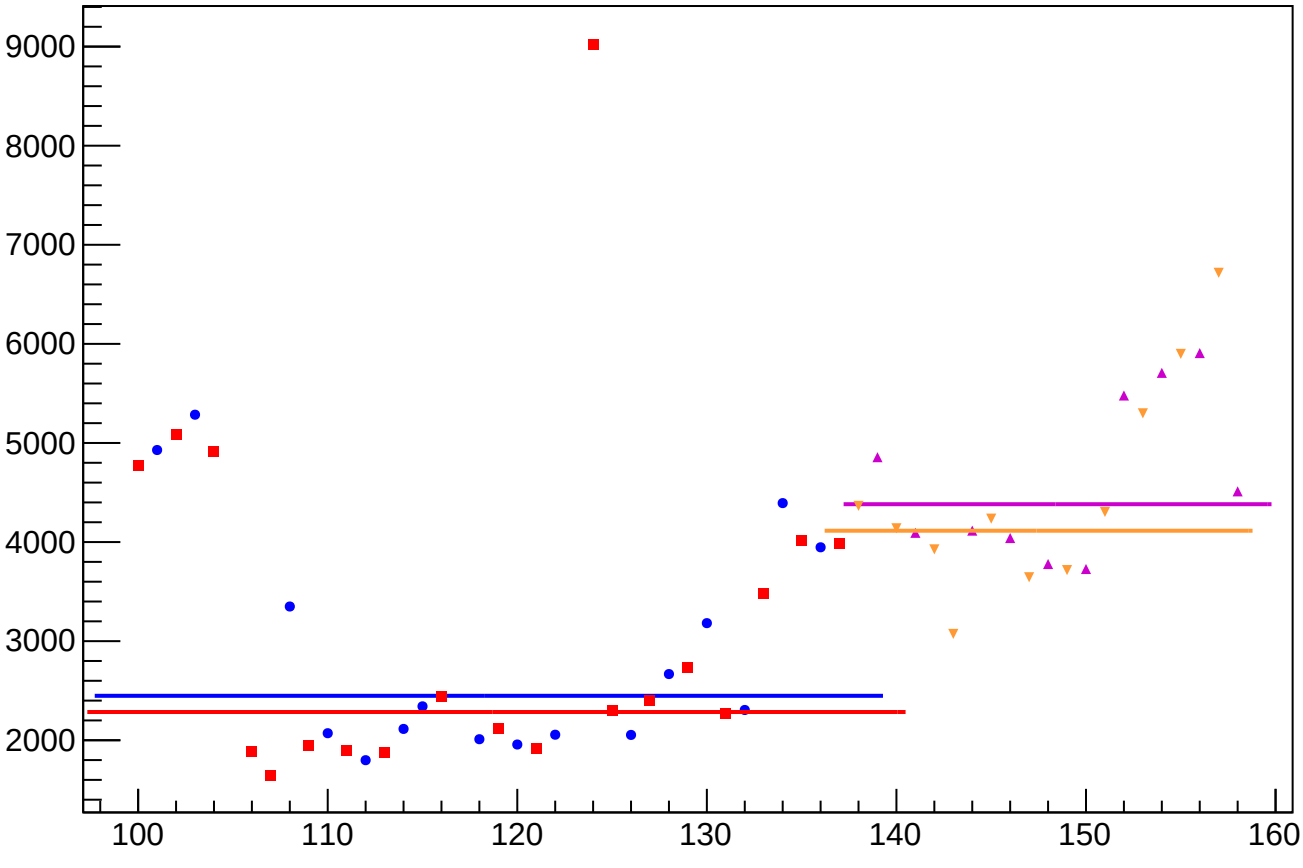
Left: -778.270+/-1038.513 χ^2/NDF: 18.7/20

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -123.286+/-812.282 χ^2/NDF:20.0/25

Out: -507.209+/-752.509 χ^2/NDF:33.3/29

All: -329.892+/-552.027 χ^2/NDF: 53.4/55



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4114.527+/-1.014 χ^2/NDF:721212.9/10

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4382.050+/-1.065 χ^2/NDF:416966.0/9

Left: 4241.774+/-0.734 χ^2/NDF: 1171279.5/20

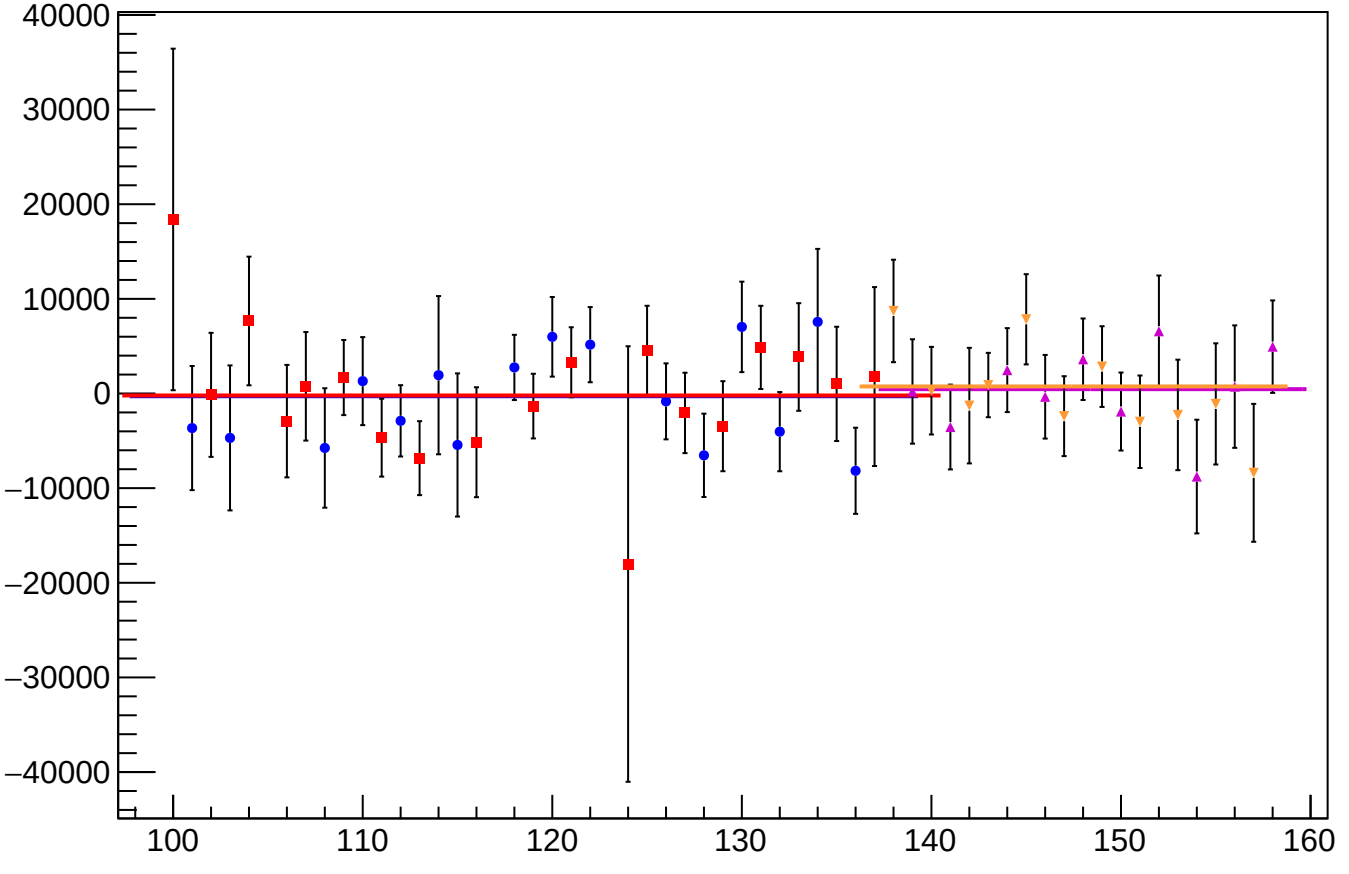
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3011.202+/-0.574 χ^2/NDF:4272413.7/25

Out: 2788.735+/-0.532 χ^2/NDF:4628494.3/29

All: 2891.483+/-0.390 χ^2/NDF: 8981640.3/55

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 744.594+/-1468.596 χ^2/NDF:7.8/10

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 459.595+/-1543.272 χ^2/NDF:6.2/9

Left: 609.157+/-1063.874 χ^2/NDF: 14.0/20

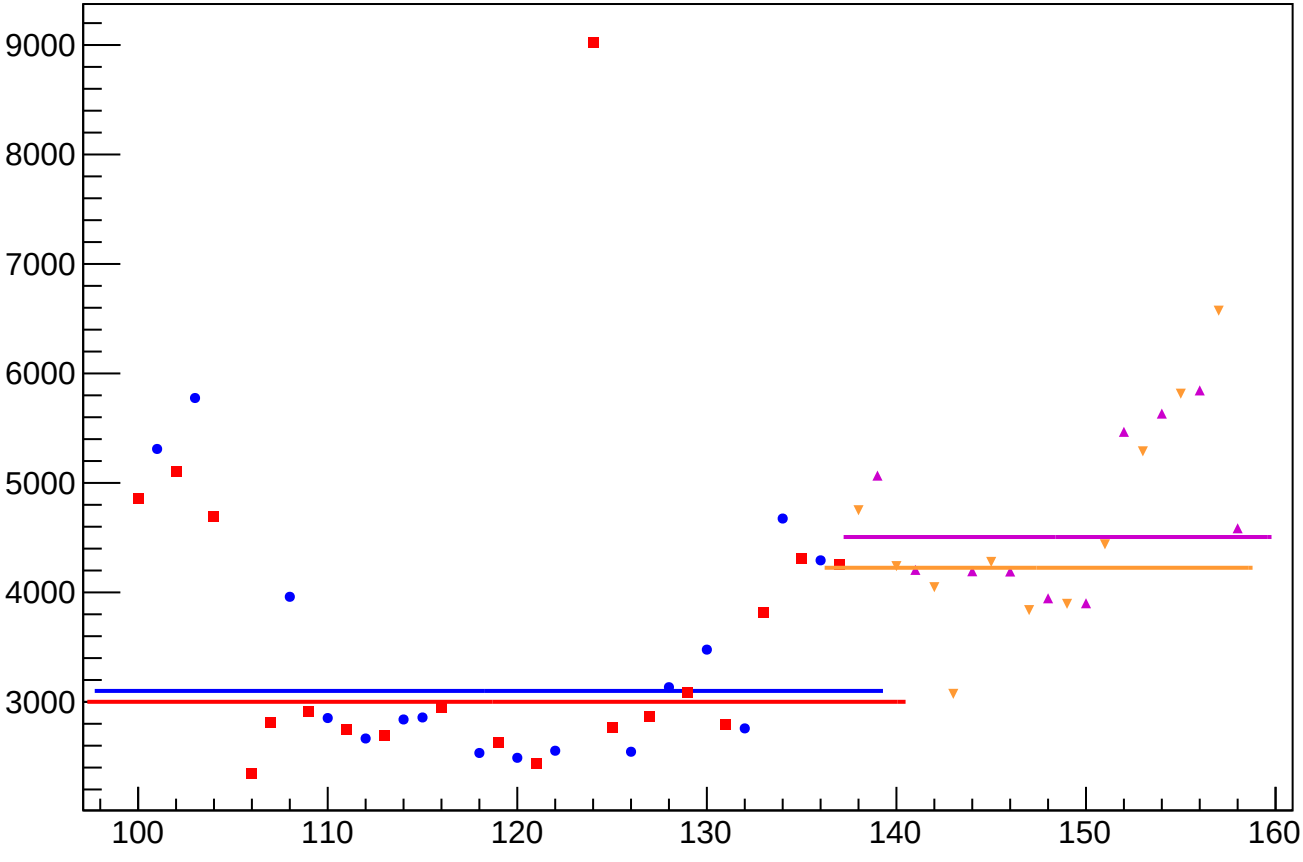
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -6.636+/-946.008 χ^2/NDF:22.9/25

Out: 154.638+/-907.255 χ^2/NDF:20.9/29

All: 77.372+/-654.798 χ^2/NDF: 43.9/55

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4225.058+/-1.038 χ^2/NDF:680210.8/10

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4506.030+/-1.091 χ^2/NDF:336574.3/9

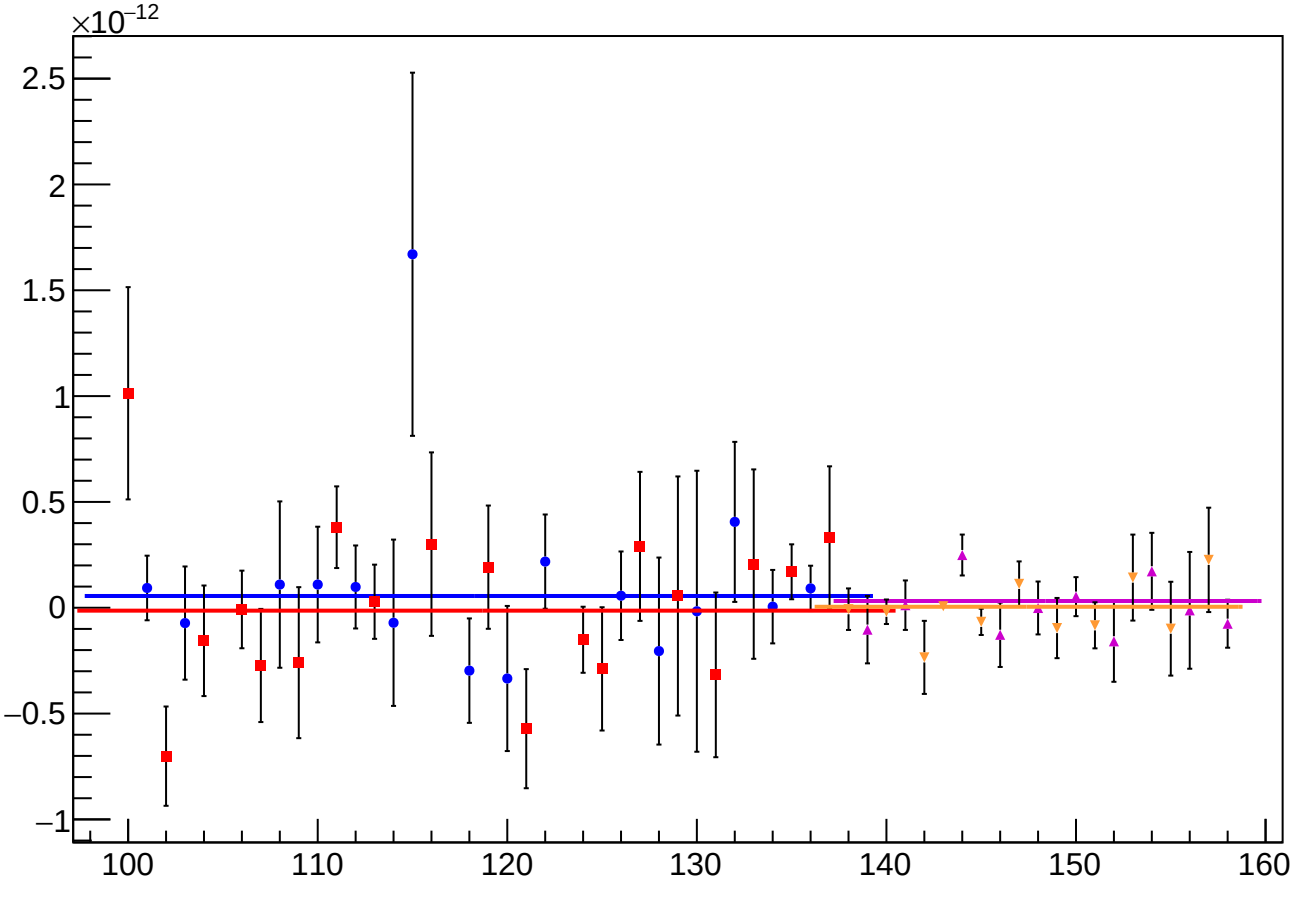
Left: 4358.582+/-0.752 χ^2/NDF: 1051574.4/20

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3628.406+/-0.669 χ^2/NDF:2336355.7/25

Out: 3460.167+/-0.636 χ^2/NDF:2355203.5/29

All: 3540.061+/-0.461 χ^2/NDF: 4724775.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/9

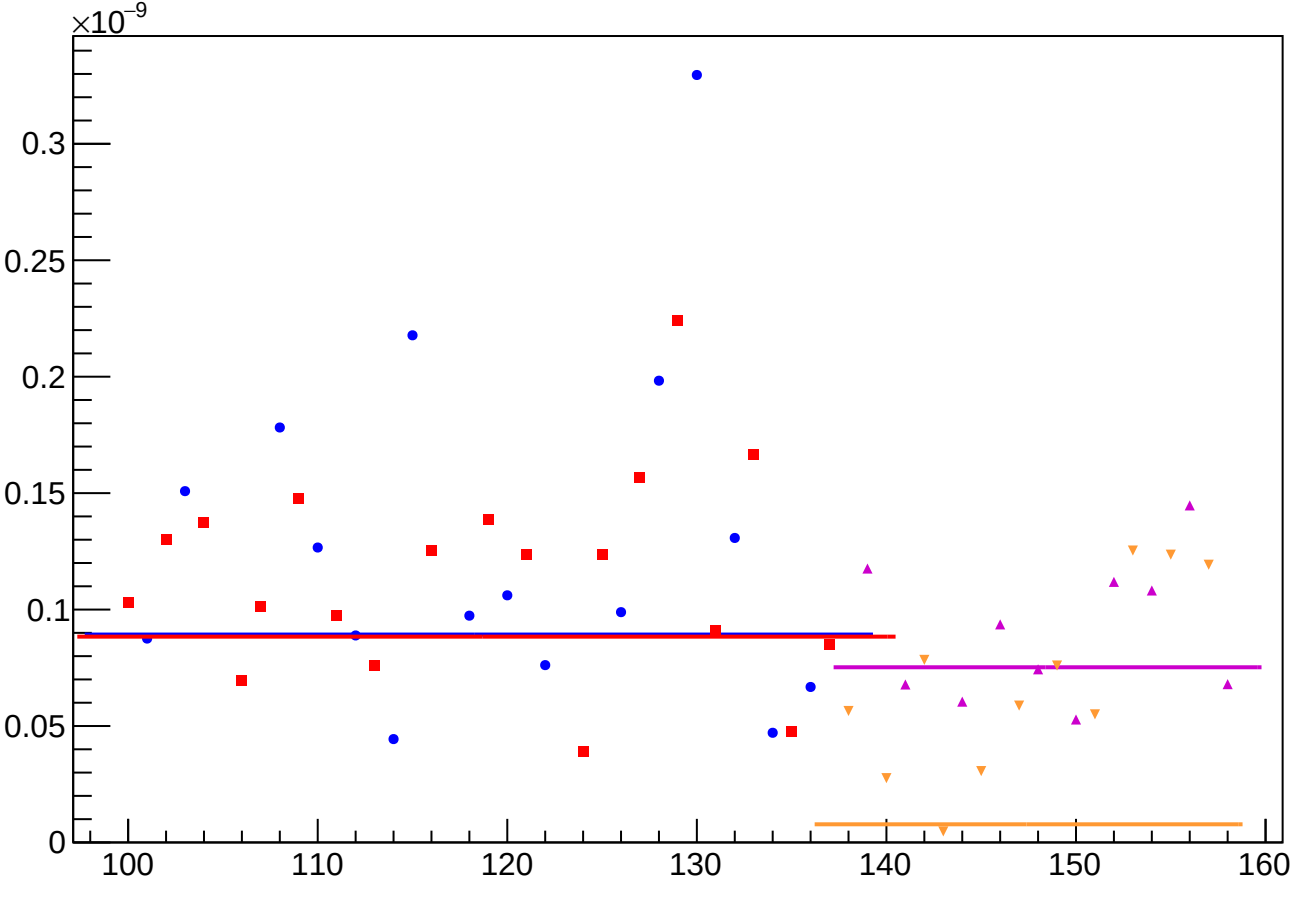
Left: 0.000+/-0.000 χ^2/NDF: 17.1/20

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:19.0/25

Out: 0.000+/-0.000 χ^2/NDF:37.3/29

All: 0.000+/-0.000 χ^2/NDF: 57.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4486475.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:618552.0/9

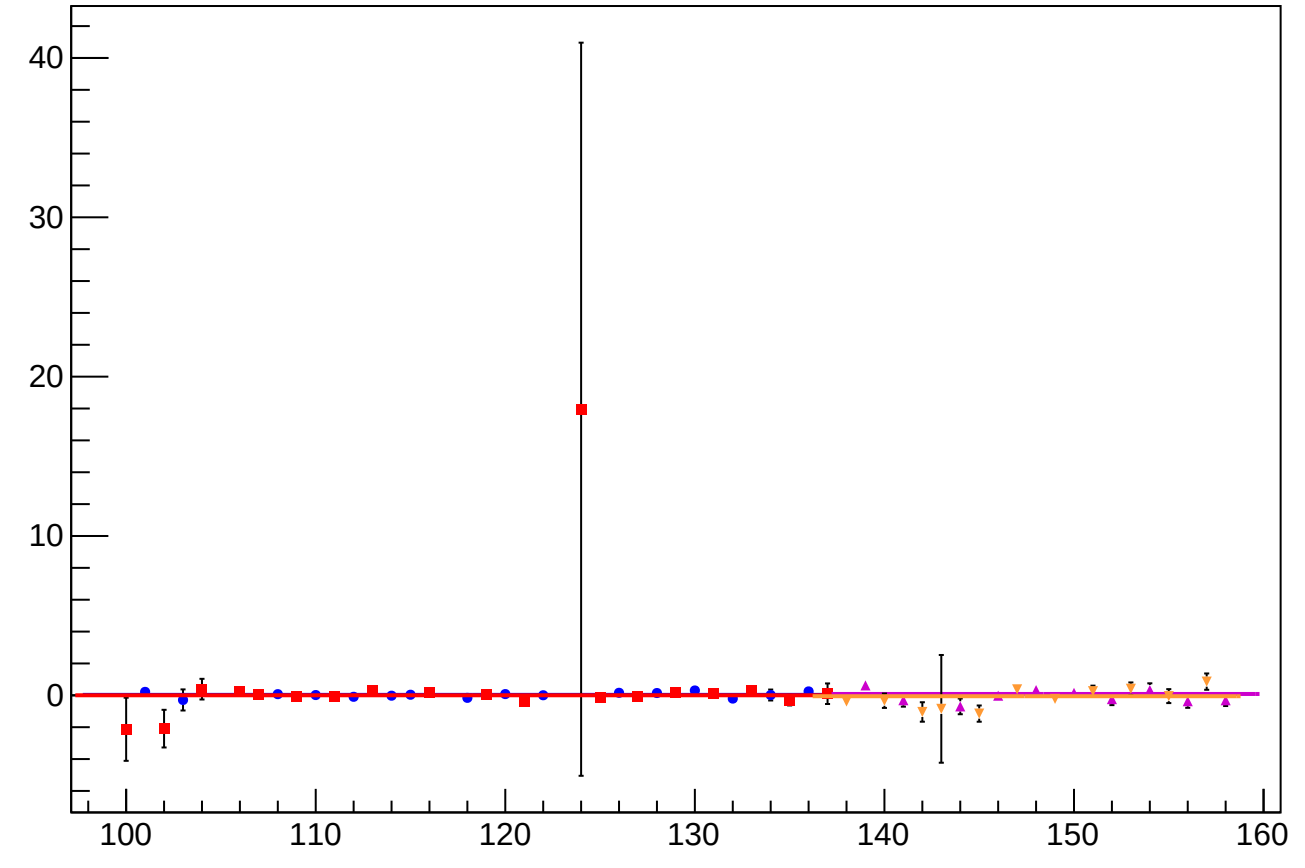
Left: 0.000+/-0.000 χ^2/NDF: 10271123.6/20

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1649099.5/25

Out: 0.000+/-0.000 χ^2/NDF:9578657.7/29

All: 0.000+/-0.000 χ^2/NDF: 19661412.7/55



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.107 χ^2/NDF:13.0/9

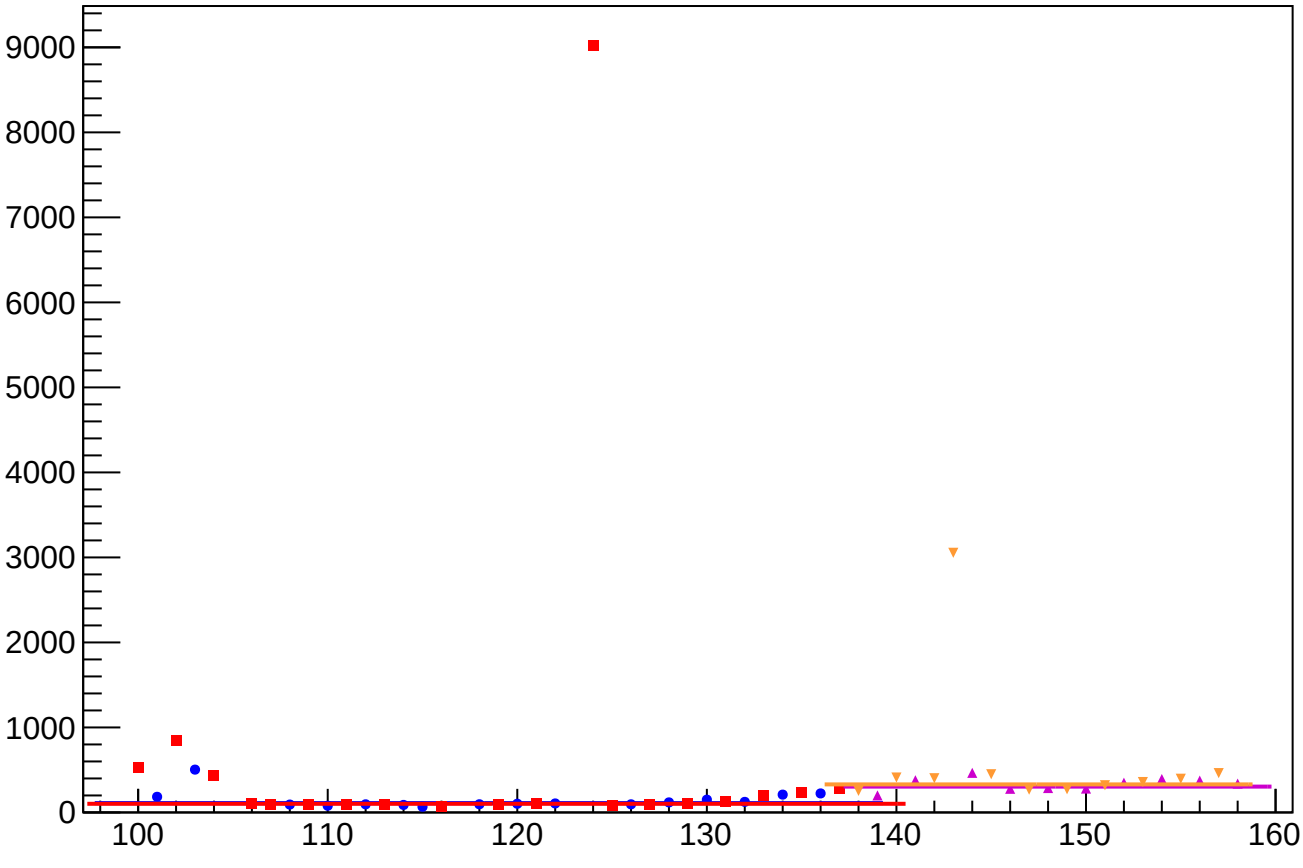
Left: 0.022+/-0.080 χ^2/NDF: 30.6/20

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.042 χ^2/NDF:22.1/25

Out: -0.004+/-0.041 χ^2/NDF:39.4/29

All: 0.016+/-0.029 χ^2/NDF: 62.0/55



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 330.070+/-0.085 χ^2/NDF:1990725.3/10

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 304.028+/-0.076 χ^2/NDF:913097.0/9

Left: 315.559+/-0.057 χ^2/NDF: 2956227.1/20

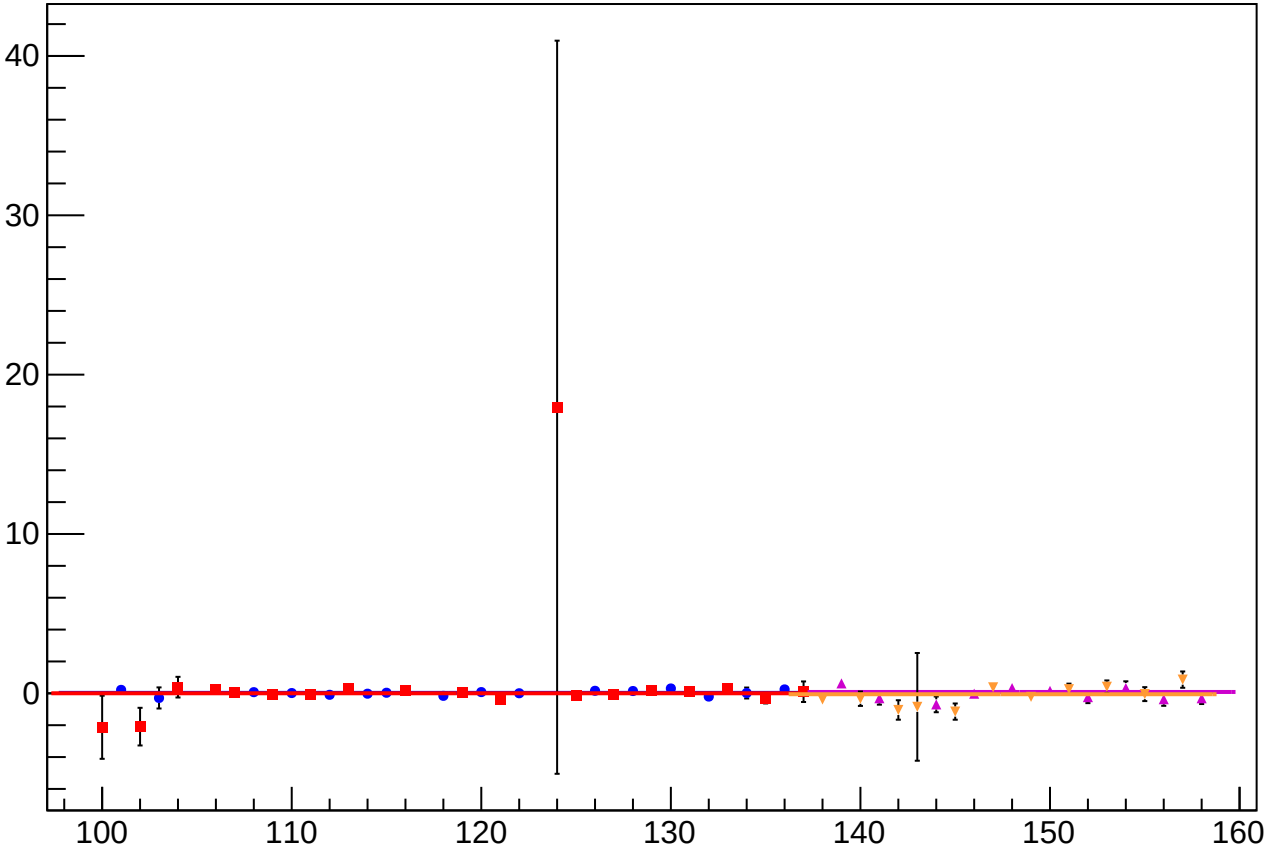
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 139.458+/-0.029 χ^2/NDF:8416662.2/25

Out: 128.185+/-0.029 χ^2/NDF:10970112.1/29

All: 133.695+/-0.021 χ^2/NDF: 19461431.6/55

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: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.107 χ^2/NDF:13.0/9

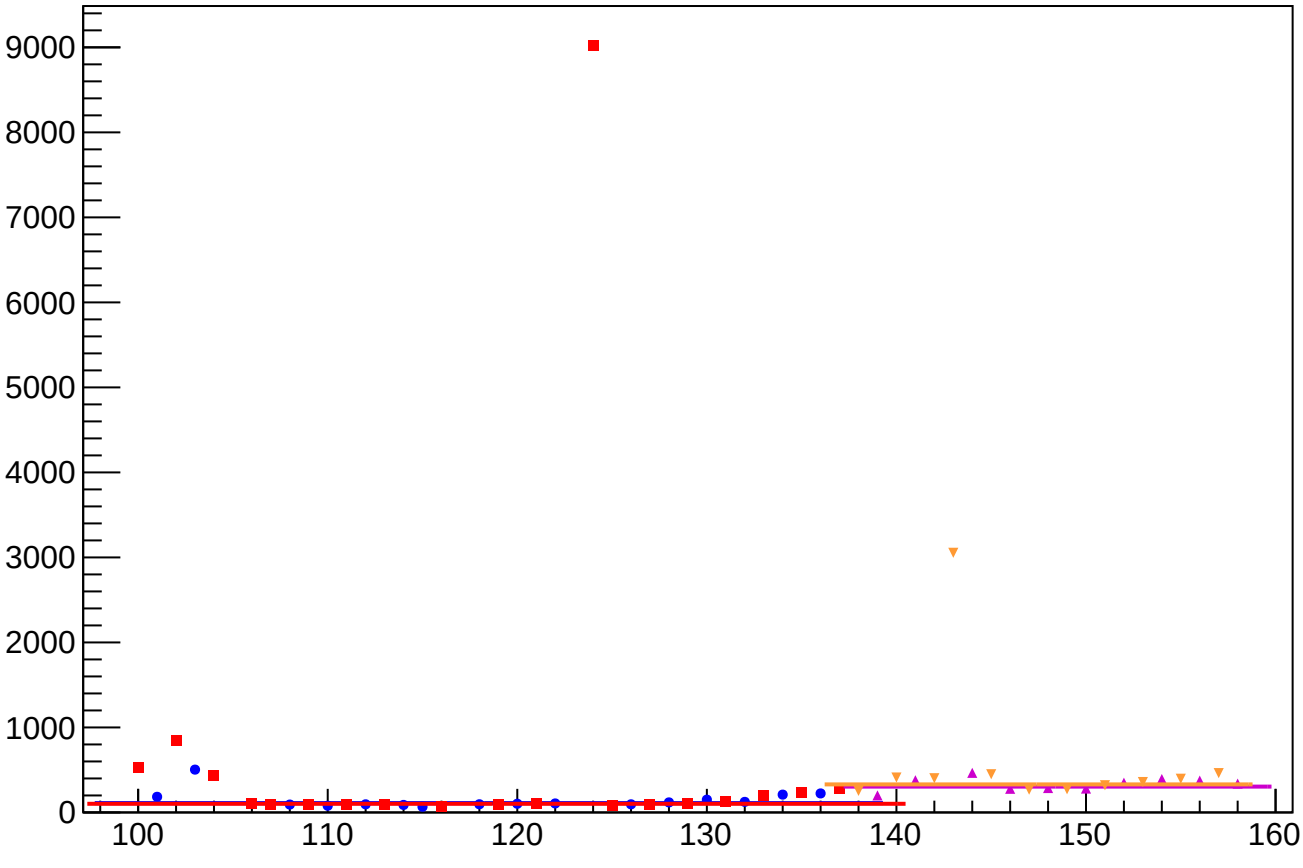
Left: 0.022+/-0.080 χ^2/NDF: 30.6/20

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.042 χ^2/NDF:22.1/25

Out: -0.004+/-0.041 χ^2/NDF:39.4/29

All: 0.016+/-0.029 χ^2/NDF: 62.0/55



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 330.070+/-0.085 χ^2/NDF:1990725.3/10

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 304.028+/-0.076 χ^2/NDF:913097.0/9

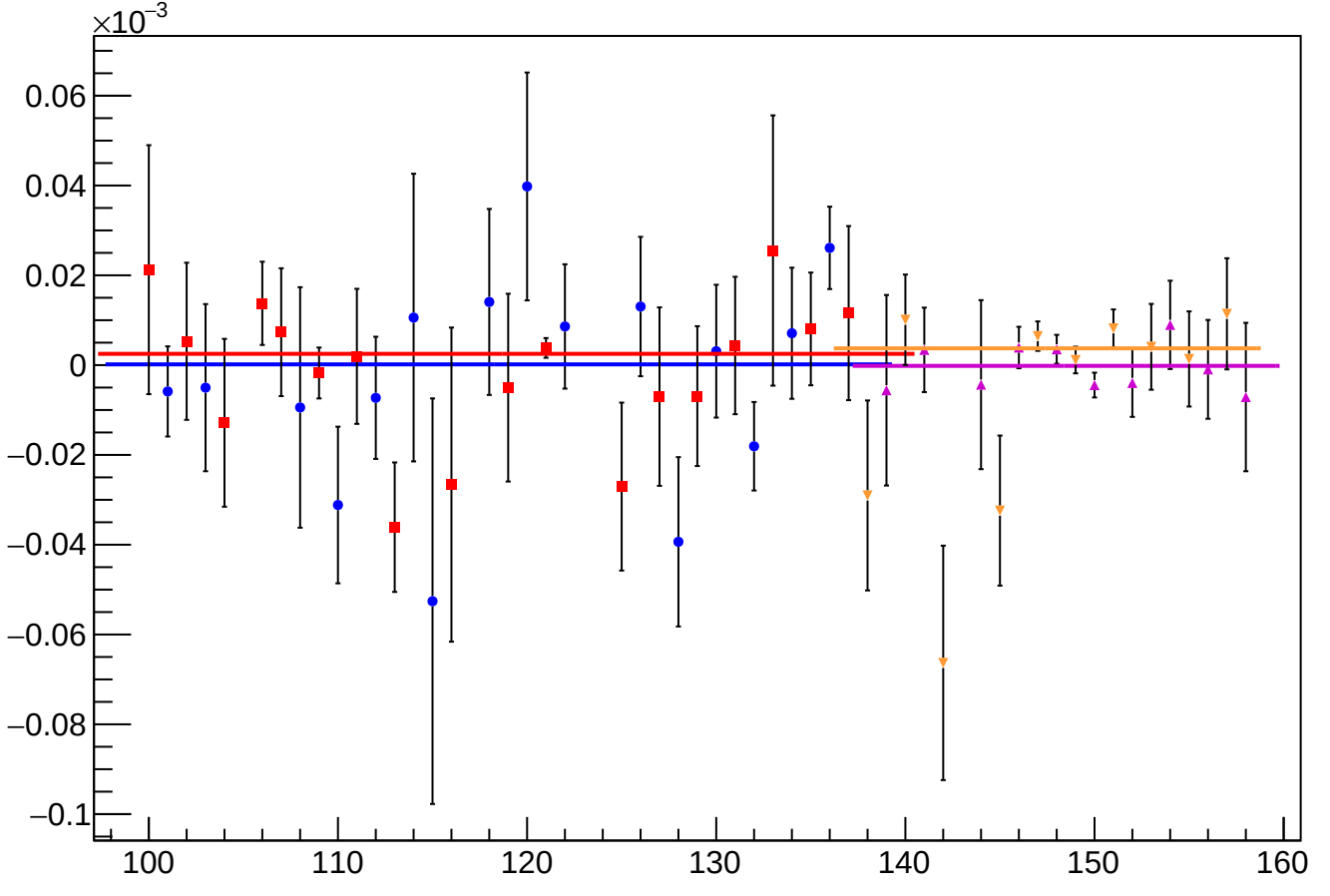
Left: 315.559+/-0.057 χ^2/NDF: 2956227.1/20

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 139.458+/-0.029 χ^2/NDF:8416662.2/25

Out: 128.185+/-0.029 χ^2/NDF:10970112.1/29

All: 133.695+/-0.021 χ^2/NDF: 19461431.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

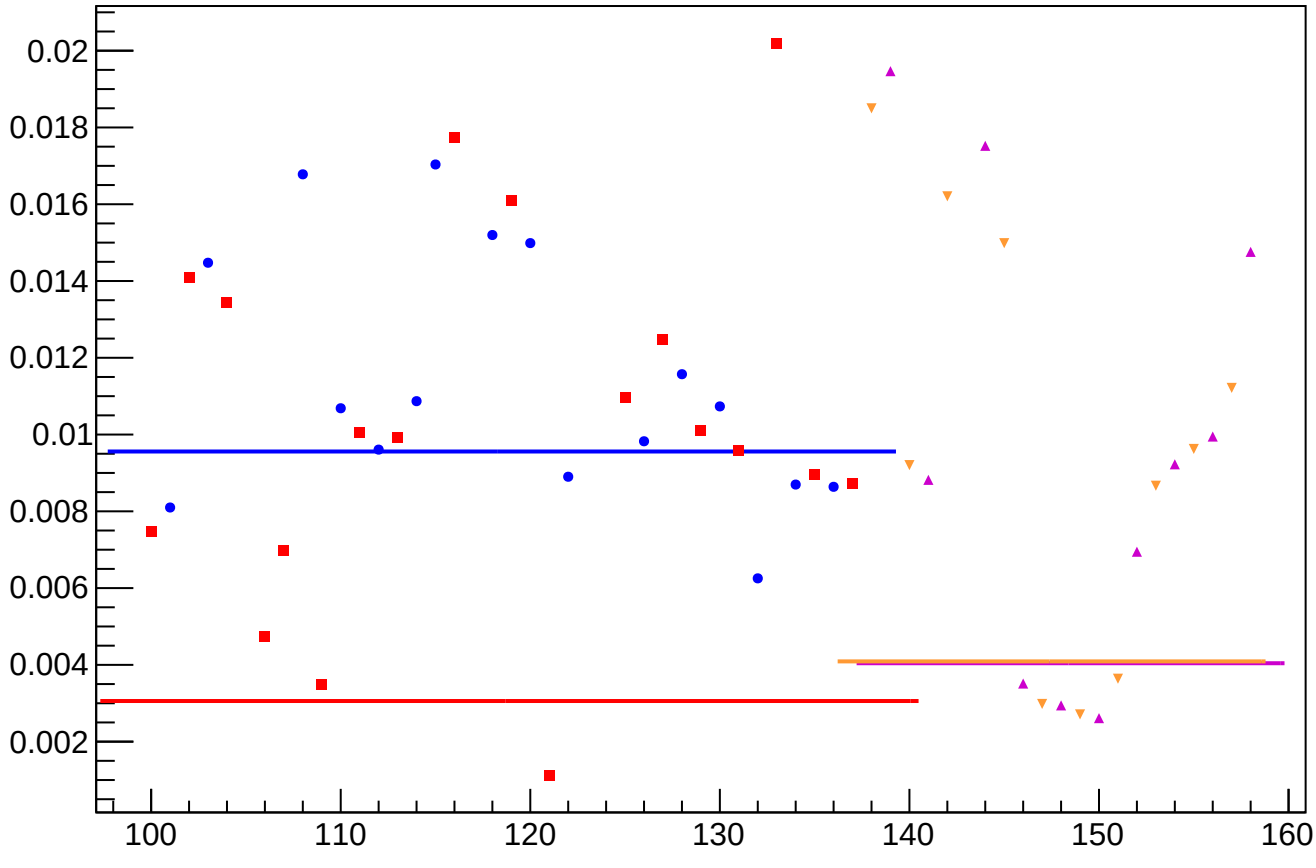
Left: 0.000+/-0.000 χ^2/NDF: 26.2/19

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:31.7/25

Out: 0.000+/-0.000 χ^2/NDF:33.7/27

All: 0.000+/-0.000 χ^2/NDF: 67.9/53



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:5077150.2/9

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:5662225.9/9

Left: 0.004+/-0.000 χ^2/NDF: 10740105.9/19

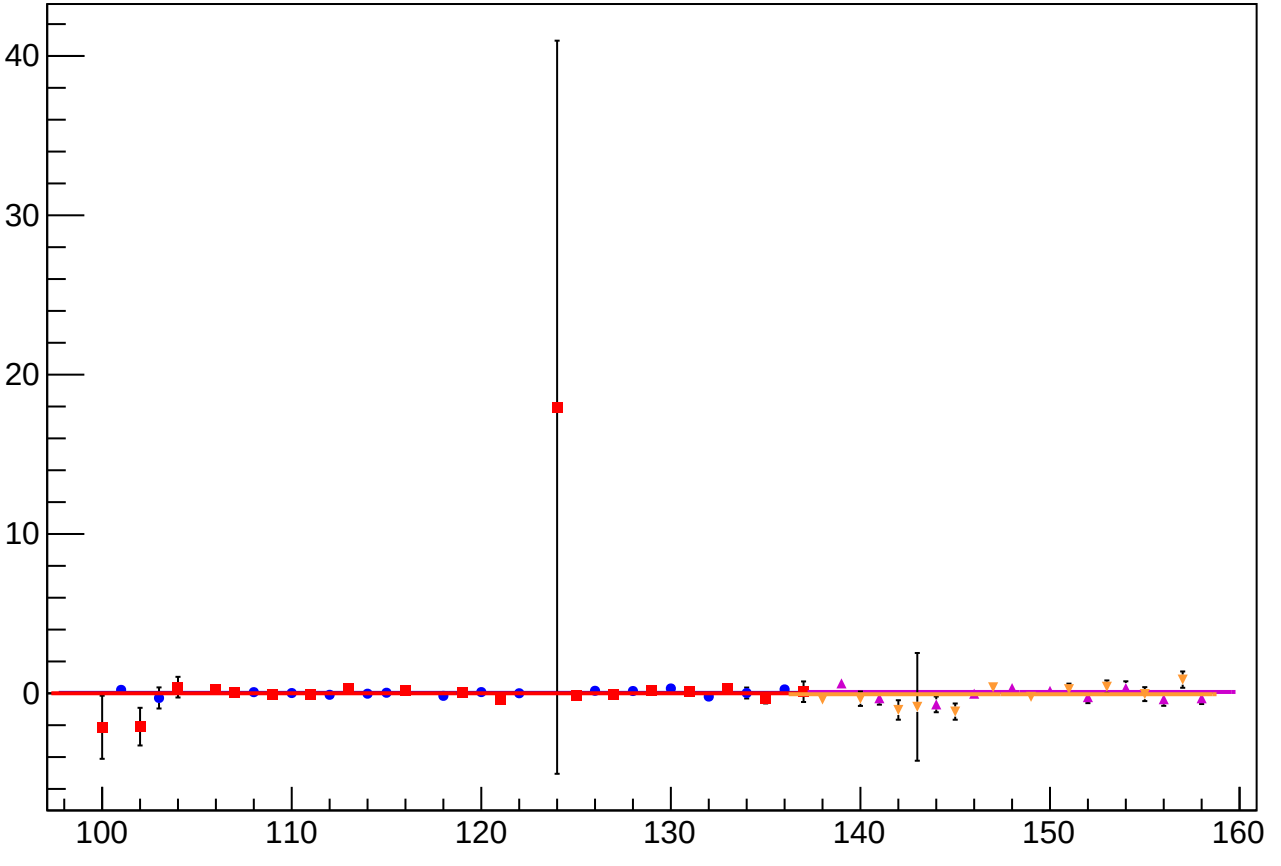
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:10181251.0/25

Out: 0.004+/-0.000 χ^2/NDF:13522068.6/27

All: 0.004+/-0.000 χ^2/NDF: 24714665.4/53

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.107 χ^2/NDF:13.0/9

Left: 0.022+/-0.080 χ^2/NDF: 30.6/20

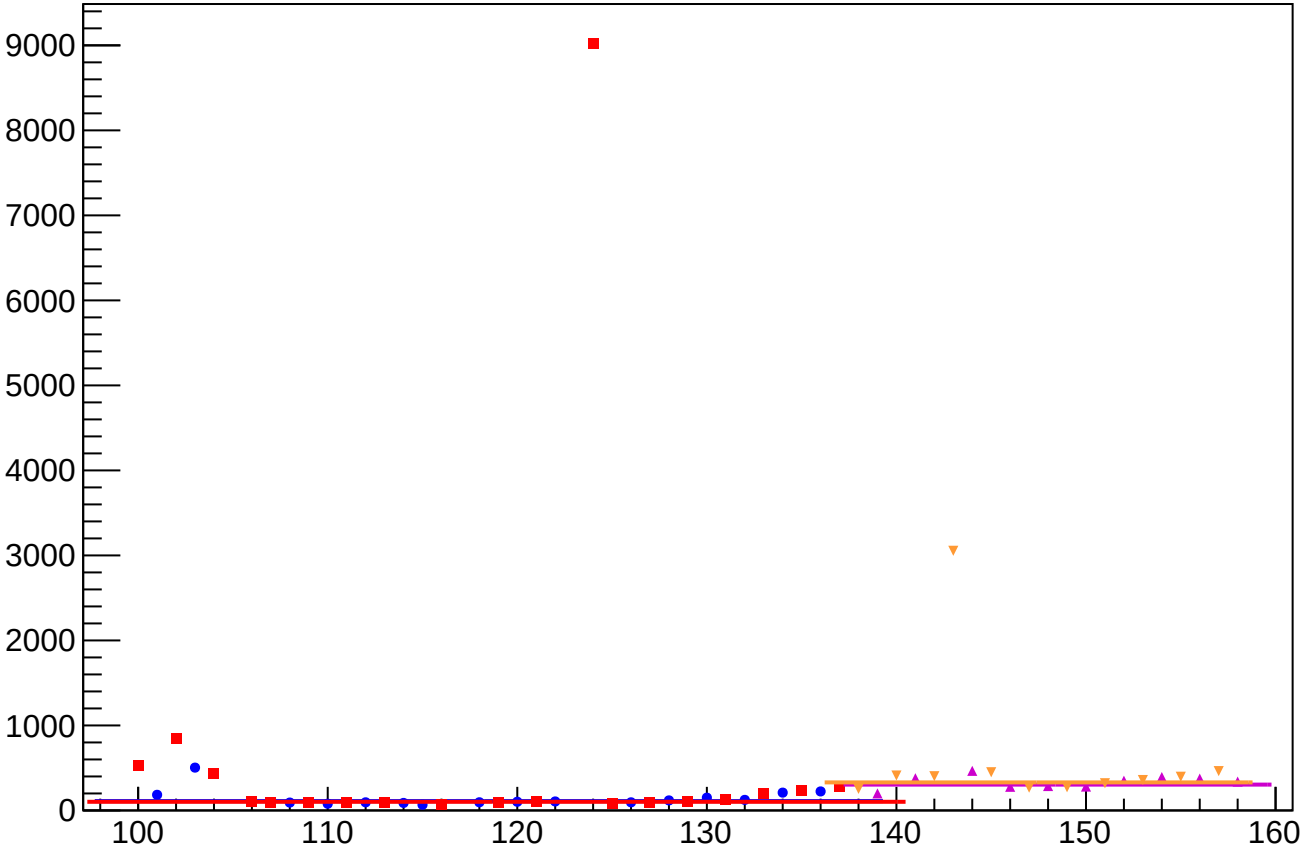
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.042 χ^2/NDF:22.1/25

Out: -0.004+/-0.041 χ^2/NDF:39.4/29

All: 0.016+/-0.029 χ^2/NDF: 62.0/55

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: 330.072+/-0.085 χ^2/NDF:1990771.9/10

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 304.033+/-0.076 χ^2/NDF:913078.8/9

Left: 315.563+/-0.057 χ^2/NDF: 2956247.3/20

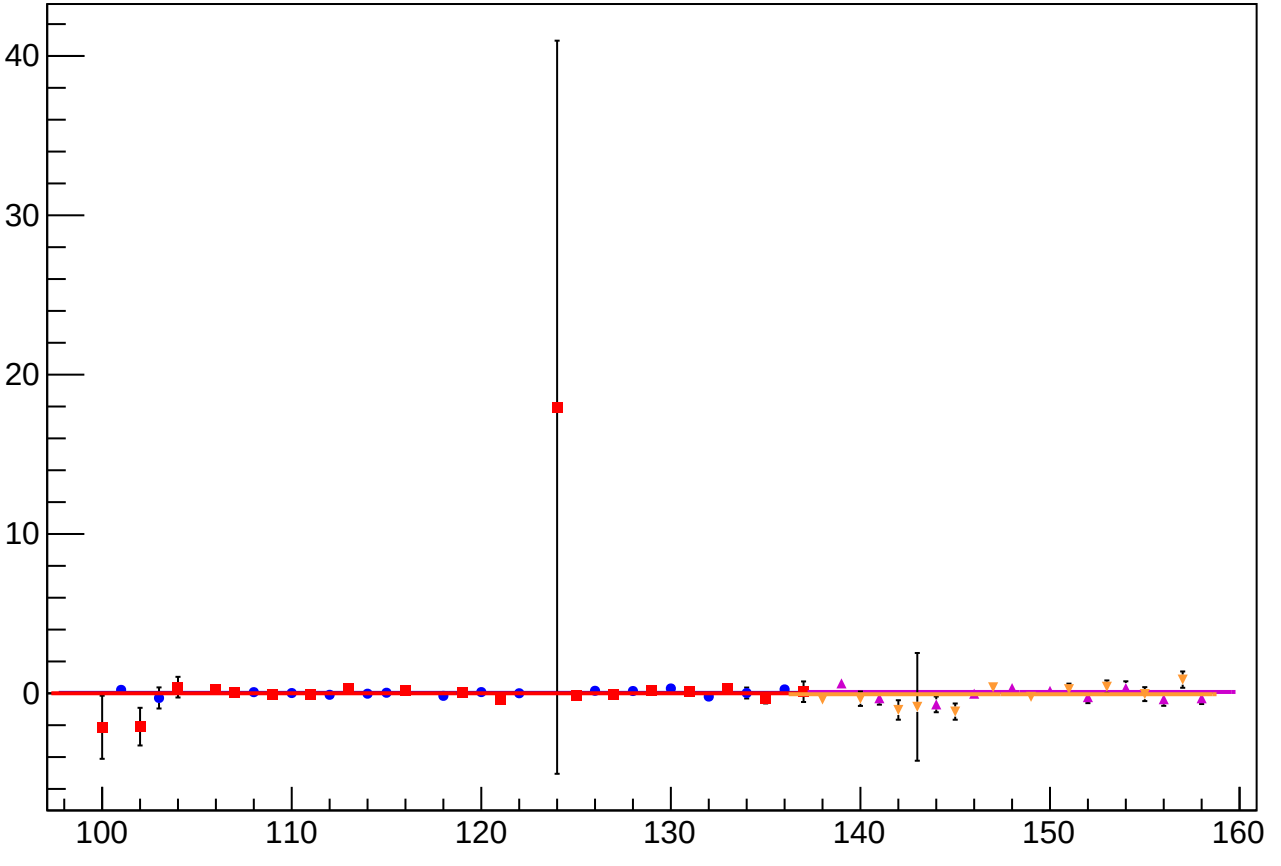
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 139.459+/-0.030 χ^2/NDF:8416637.2/25

Out: 128.186+/-0.029 χ^2/NDF:10970039.0/29

All: 133.696+/-0.021 χ^2/NDF: 19461327.2/55

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: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.107 χ^2/NDF:13.0/9

Left: 0.022+/-0.080 χ^2/NDF: 30.6/20

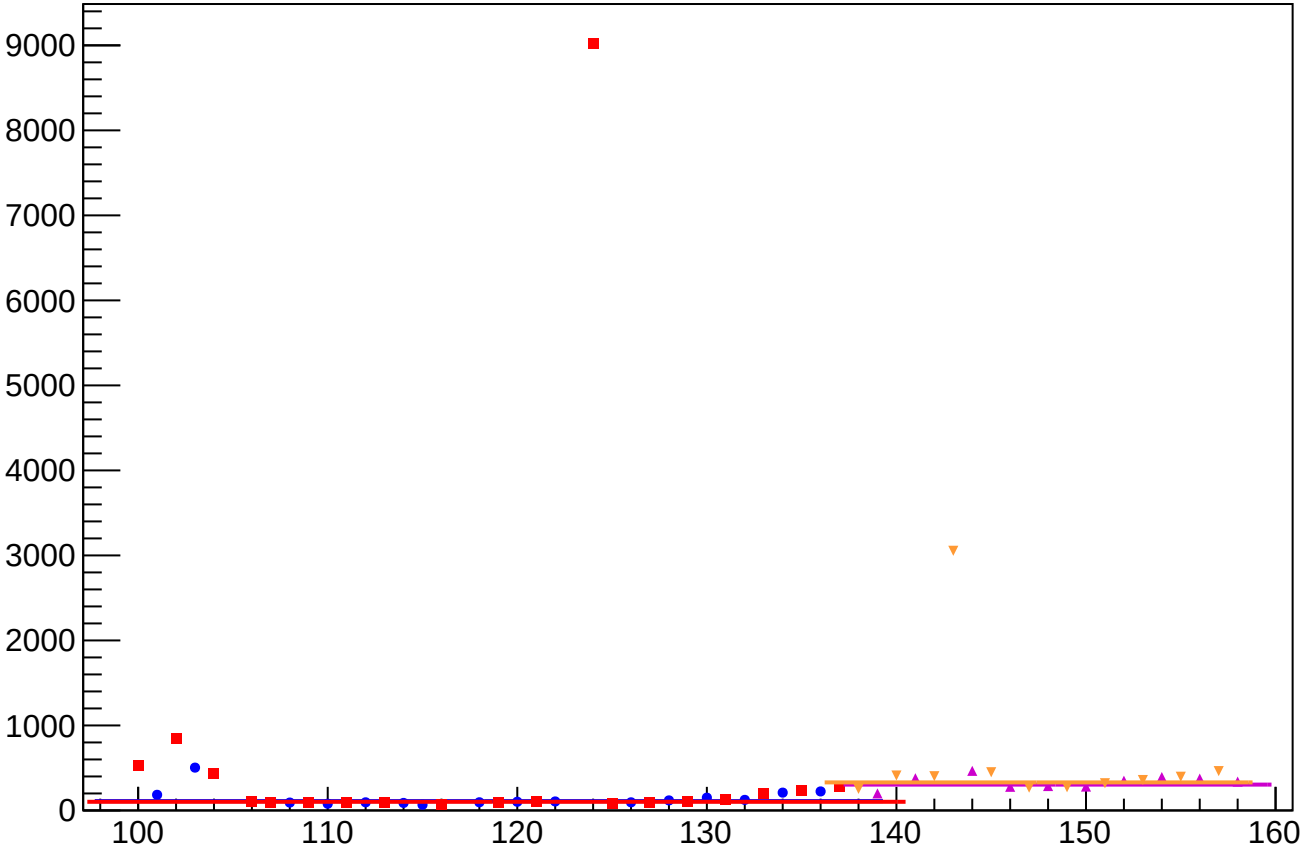
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.042 χ^2/NDF:22.1/25

Out: -0.004+/-0.041 χ^2/NDF:39.4/29

All: 0.016+/-0.029 χ^2/NDF: 62.0/55

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: 330.072+/-0.085 χ^2/NDF:1990771.9/10

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 304.033+/-0.076 χ^2/NDF:913078.8/9

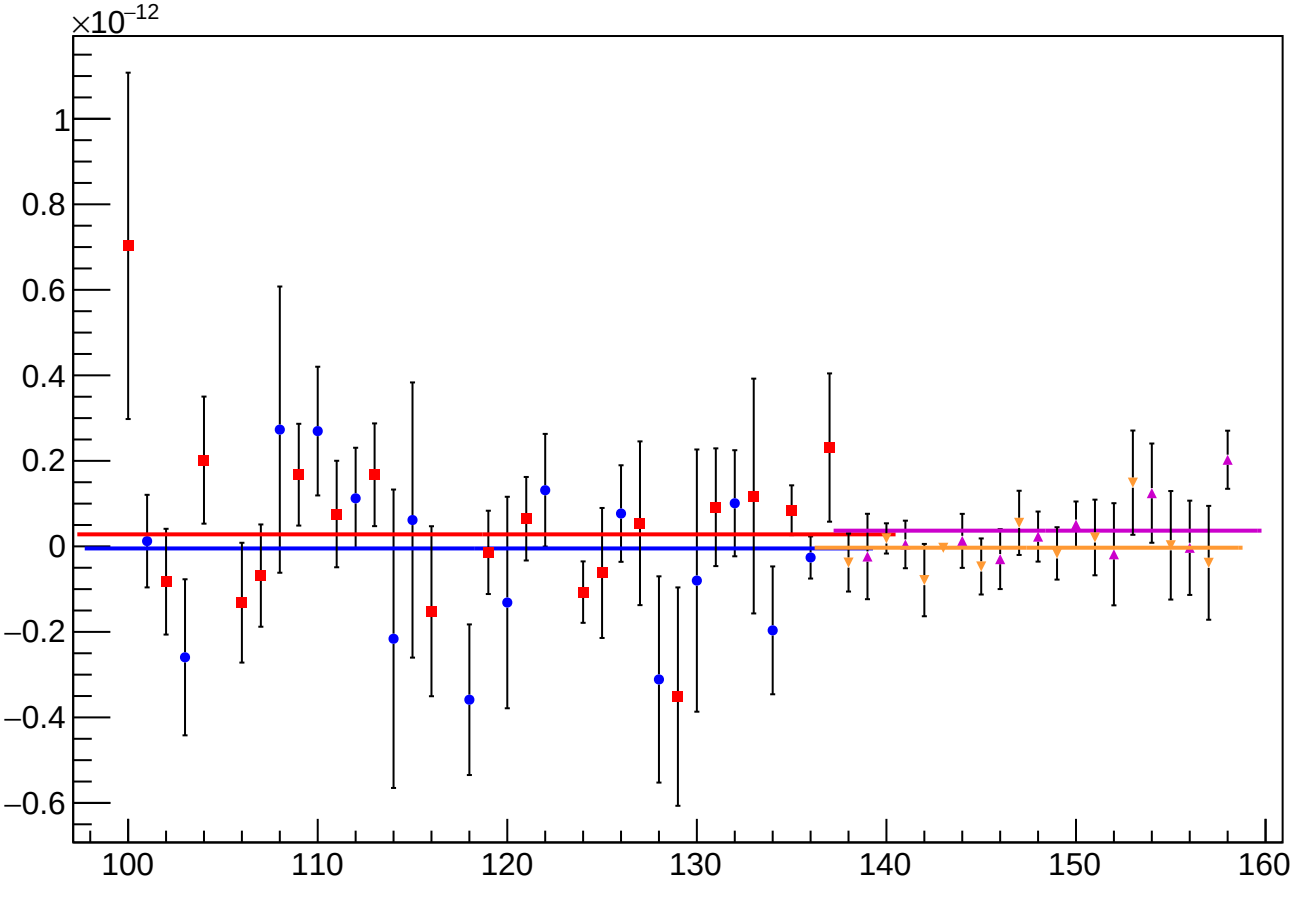
Left: 315.563+/-0.057 χ^2/NDF: 2956247.3/20

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 139.459+/-0.030 χ^2/NDF:8416637.2/25

Out: 128.186+/-0.029 χ^2/NDF:10970039.0/29

All: 133.696+/-0.021 χ^2/NDF: 19461327.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/9

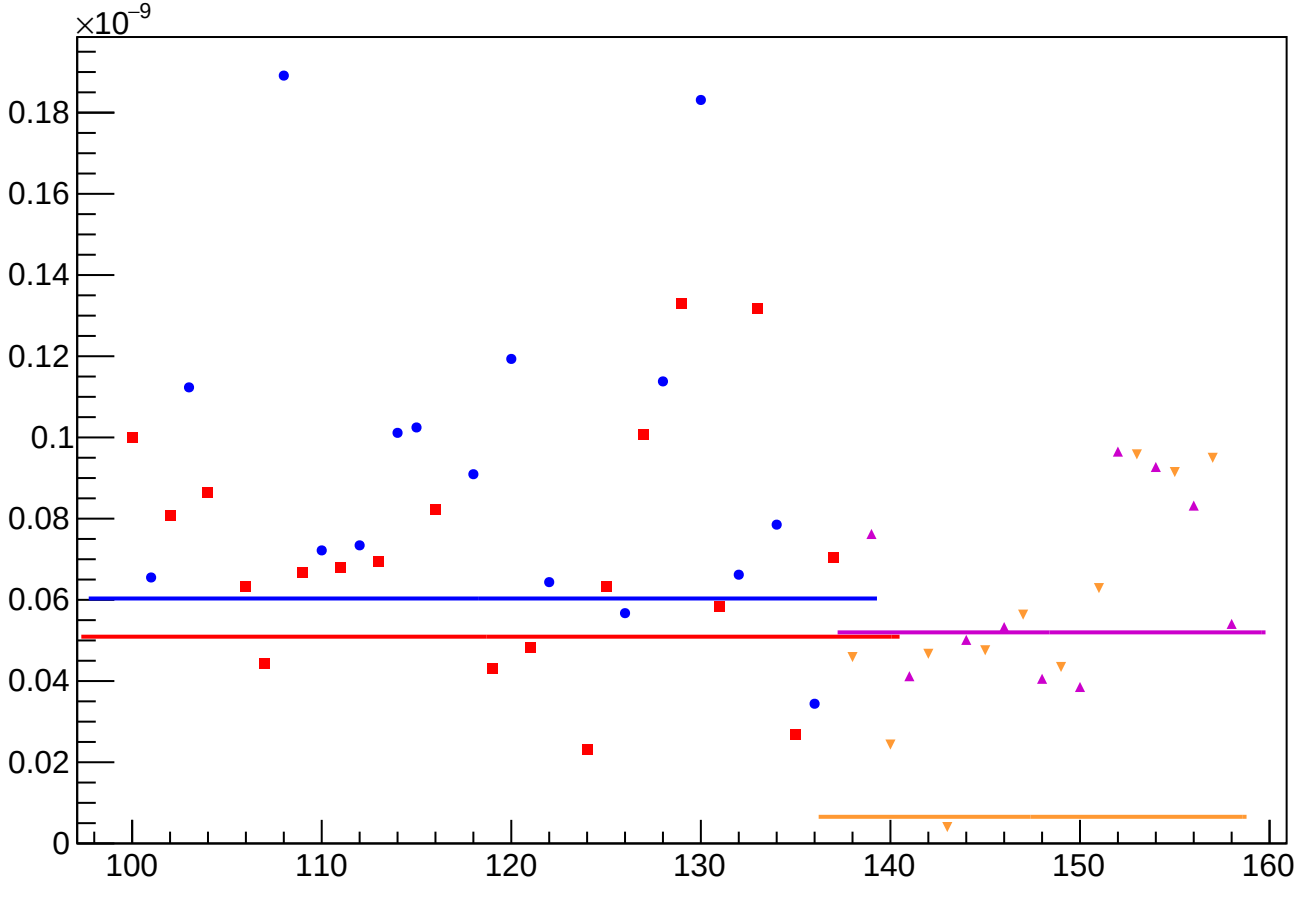
Left: -0.000+/-0.000 χ^2/NDF: 15.9/20

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:27.4/25

Out: -0.000+/-0.000 χ^2/NDF:25.2/29

All: -0.000+/-0.000 χ^2/NDF: 54.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8084431.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1081596.9/9

Left: 0.000+/-0.000 χ^2/NDF: 16786650.2/20

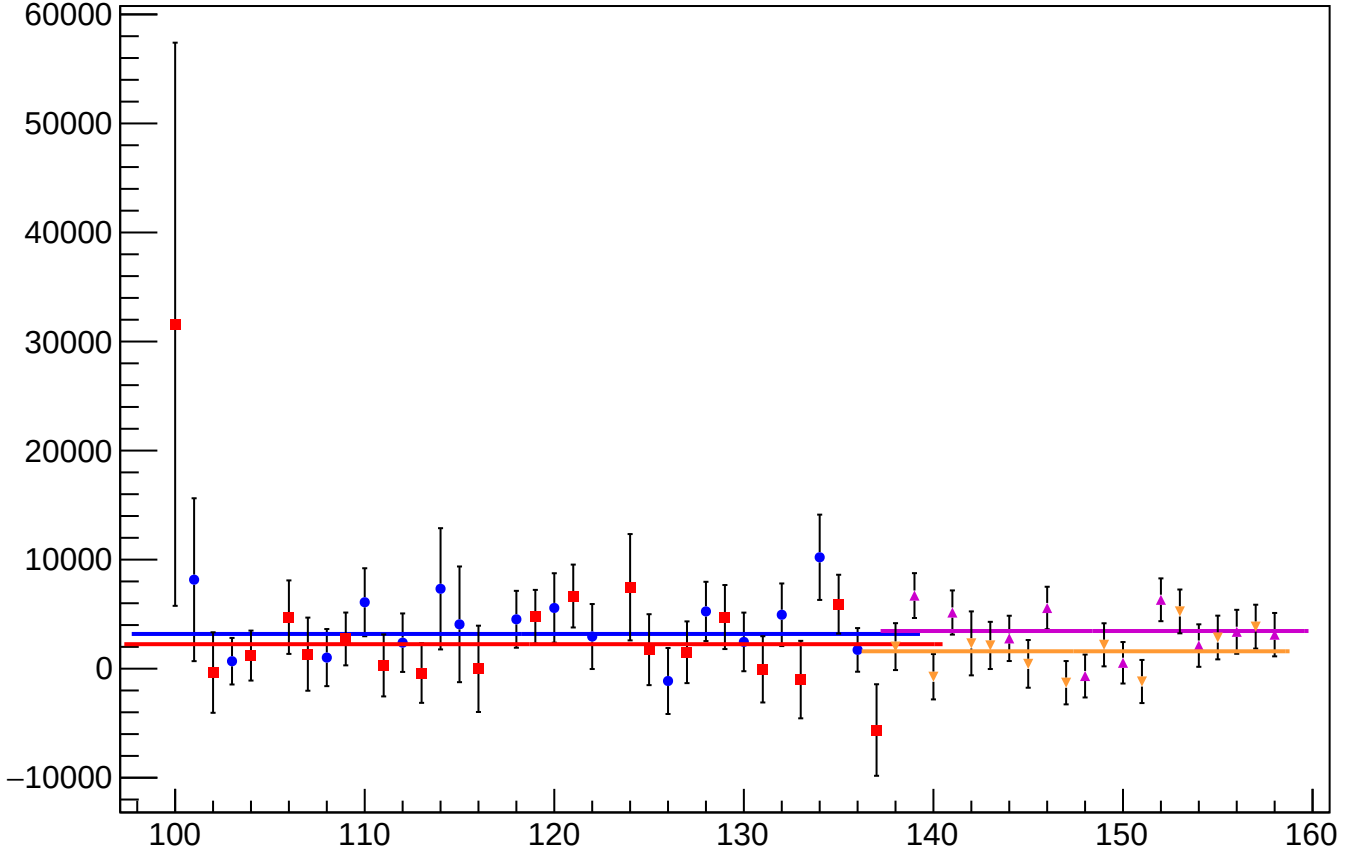
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2919343.2/25

Out: 0.000+/-0.000 χ^2/NDF:14867111.9/29

All: 0.000+/-0.000 χ^2/NDF: 29554694.2/55

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1595.036+/-633.004 χ^2/NDF:10.8/10

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3453.905+/-628.501 χ^2/NDF:13.8/9

Left: 2531.106+/-446.001 χ^2/NDF: 29.0/20

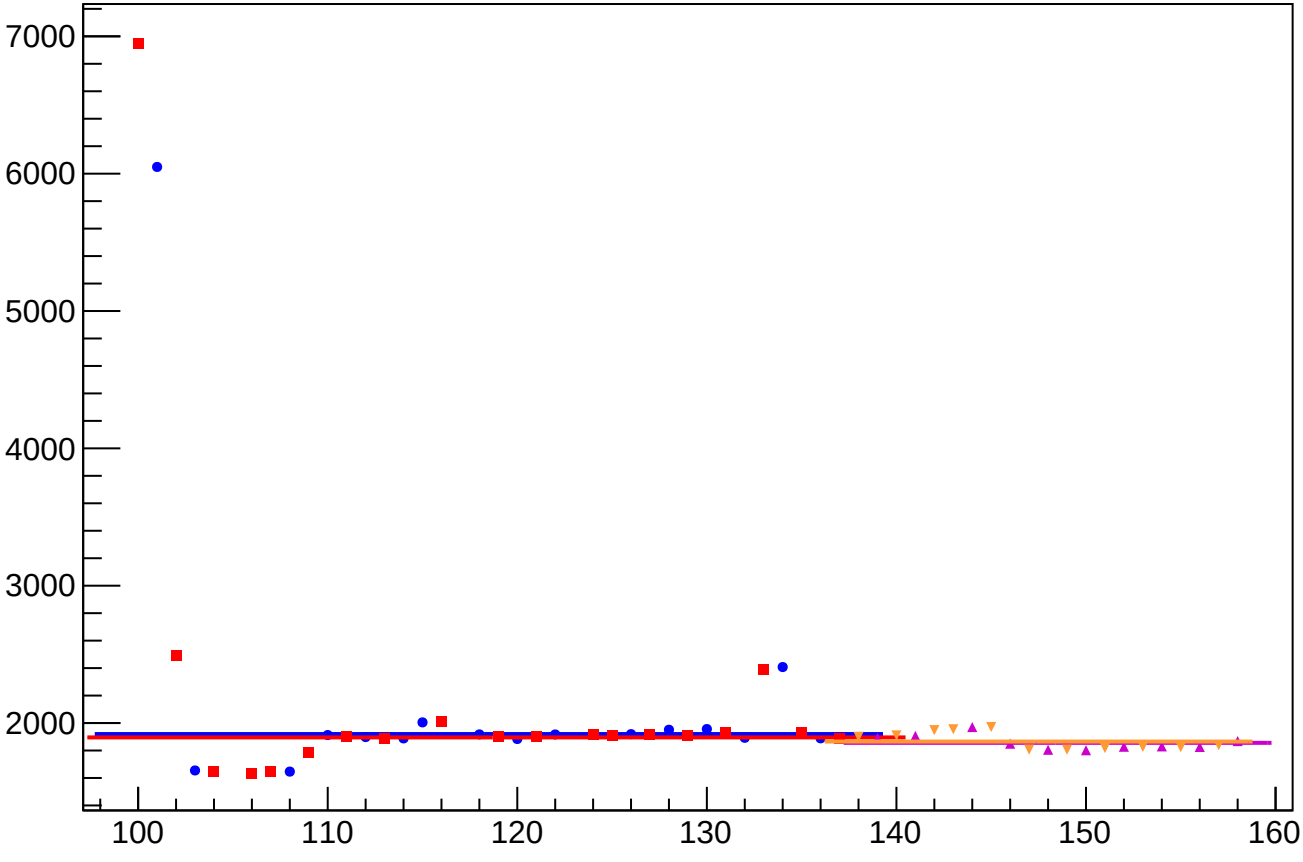
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3339.085+/-476.608 χ^2/NDF:25.6/25

Out: 1882.933+/-472.756 χ^2/NDF:27.8/29

All: 2605.100+/-335.643 χ^2/NDF: 58.1/55

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1865.217+/-0.448 χ^2/NDF:17767.5/10

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

Left: 1860.474+/-0.315 χ^2/NDF: 30201.8/20

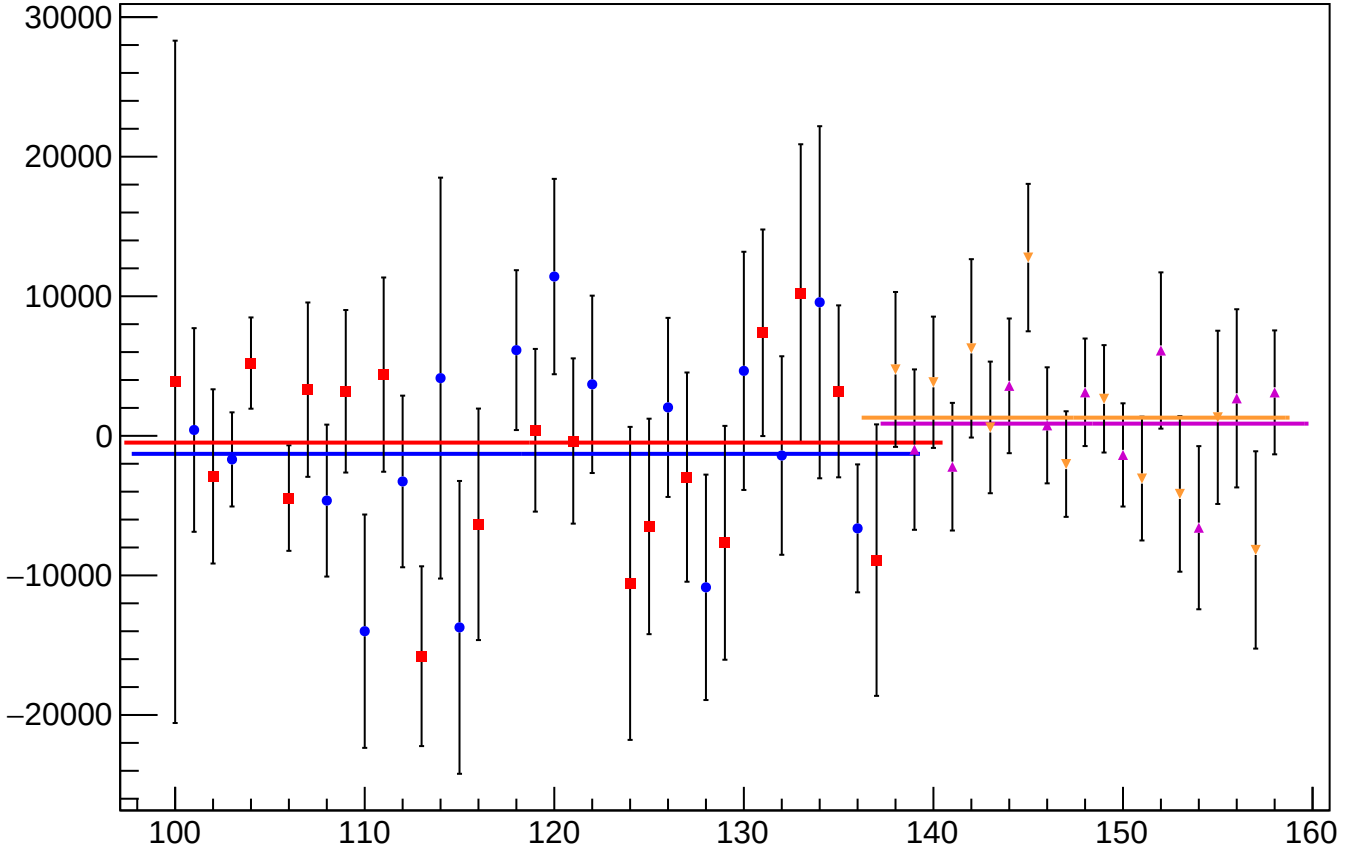
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1883.006+/-0.337 χ^2/NDF:718363.6/25

Out: 1878.599+/-0.334 χ^2/NDF:242054.8/29

All: 1880.782+/-0.237 χ^2/NDF: 960504.8/55

asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 1302.534+/-1491.736 χ^2/NDF:10.6/10

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 873.501+/-1481.077 χ^2/NDF:4.4/9

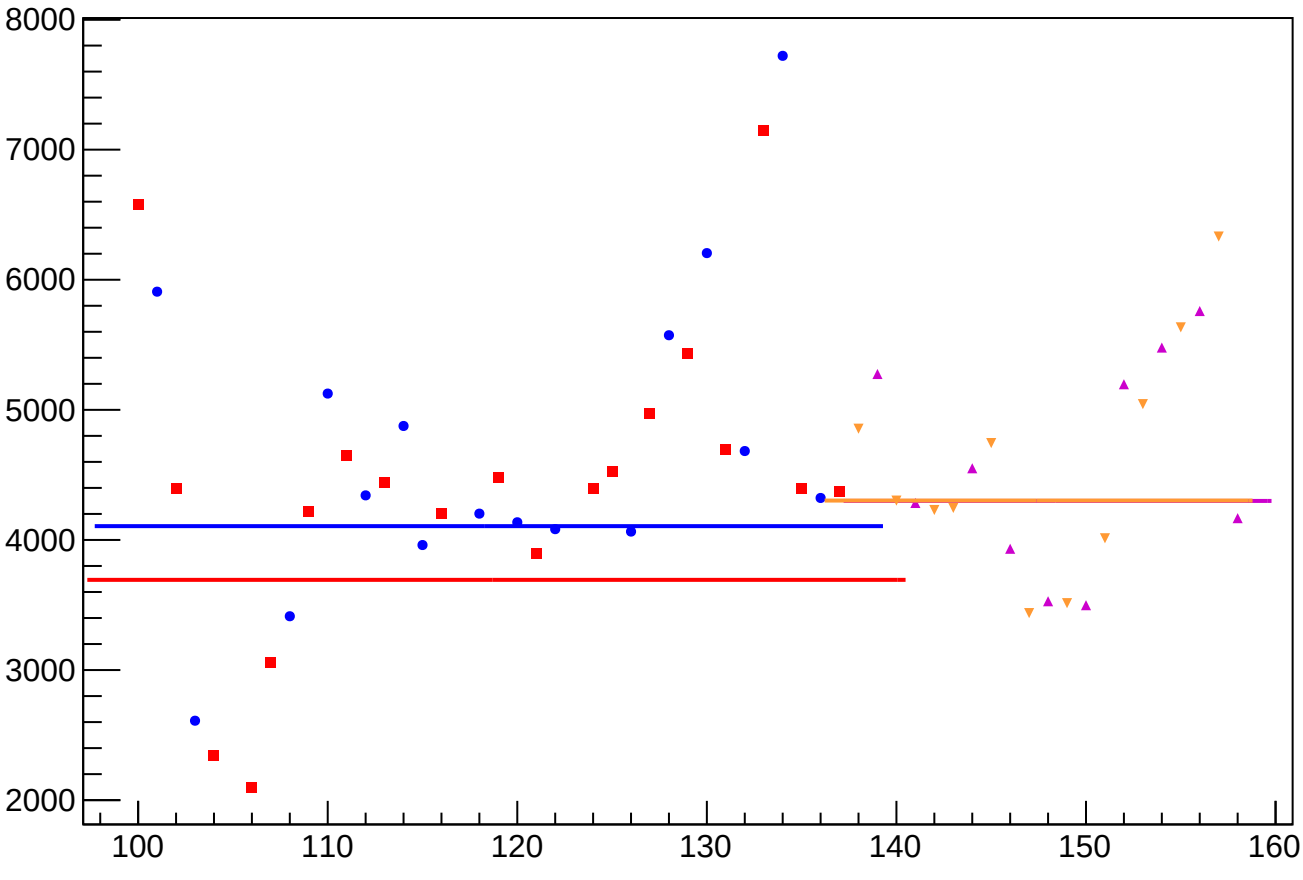
Left: 1086.479+/-1051.028 χ^2/NDF: 15.1/20

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -134.940+/-1082.293 χ^2/NDF:19.7/25

Out: 375.548+/-1035.096 χ^2/NDF:28.6/29

All: 131.677+/-748.052 χ^2/NDF: 48.4/55



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4302.773+/-1.055 χ^2/NDF:523681.1/10

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4299.936+/-1.047 χ^2/NDF:491866.8/9

Left: 4301.345+/-0.743 χ^2/NDF: 1015551.6/20

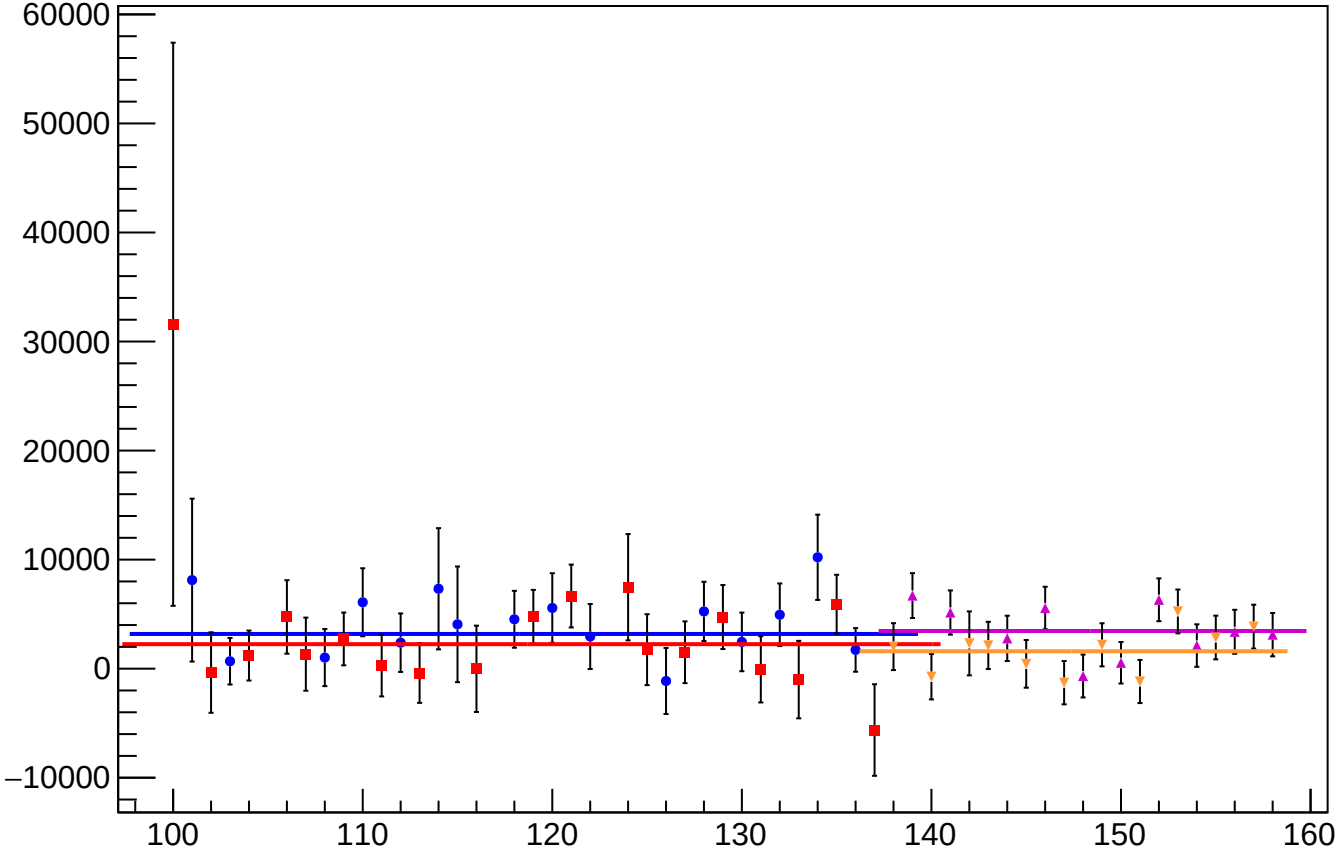
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4209.626+/-0.765 χ^2/NDF:1463954.3/25

Out: 3986.731+/-0.732 χ^2/NDF:2053453.5/29

All: 4093.213+/-0.529 χ^2/NDF: 3561711.9/55

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1594.977+/-633.004 χ^2/NDF:10.8/10

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3454.000+/-628.501 χ^2/NDF:13.8/9

Left: 2531.124+/-446.001 χ^2/NDF: 29.0/20

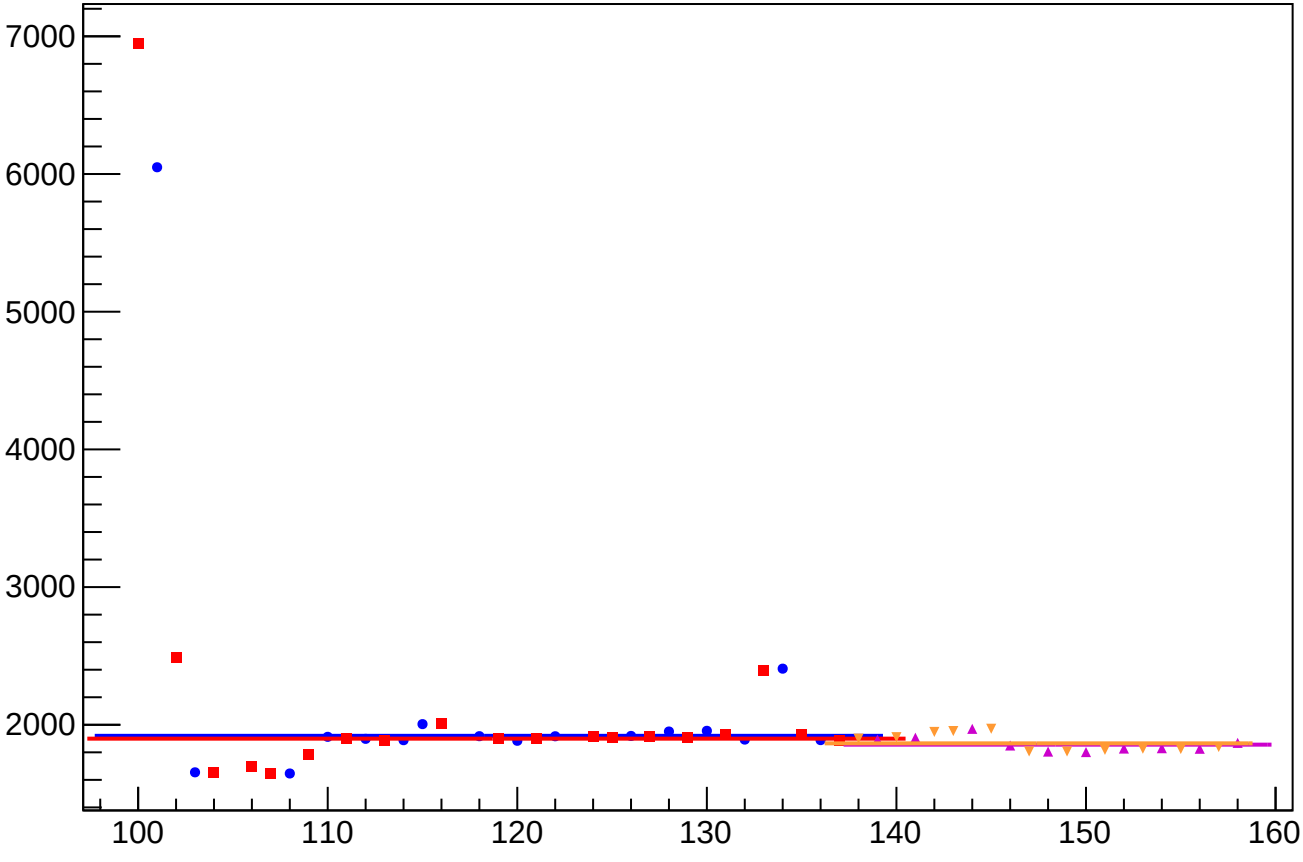
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3338.829+/-476.608 χ^2/NDF:25.6/25

Out: 1883.400+/-472.757 χ^2/NDF:27.8/29

All: 2605.210+/-335.643 χ^2/NDF: 58.1/55

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1865.217+/-0.448 χ^2/NDF:17767.5/10

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

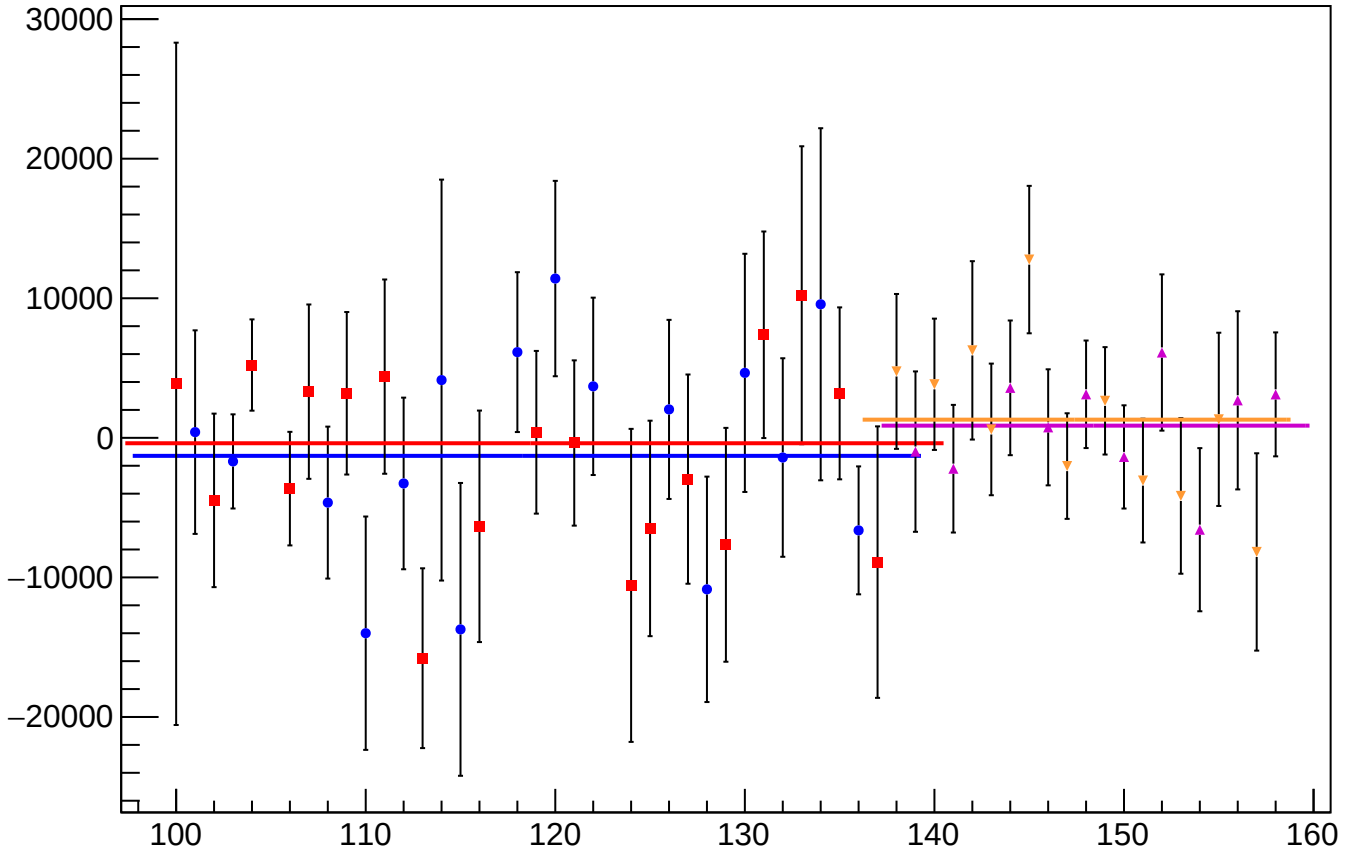
Left: 1860.474+/-0.315 χ^2/NDF: 30201.8/20

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1883.007+/-0.337 χ^2/NDF:718362.8/25

Out: 1880.344+/-0.334 χ^2/NDF:235999.8/29

All: 1881.664+/-0.237 χ^2/NDF: 954394.1/55



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1302.478+/-1491.732 χ^2/NDF:10.6/10

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 873.555+/-1481.078 χ^2/NDF:4.4/9

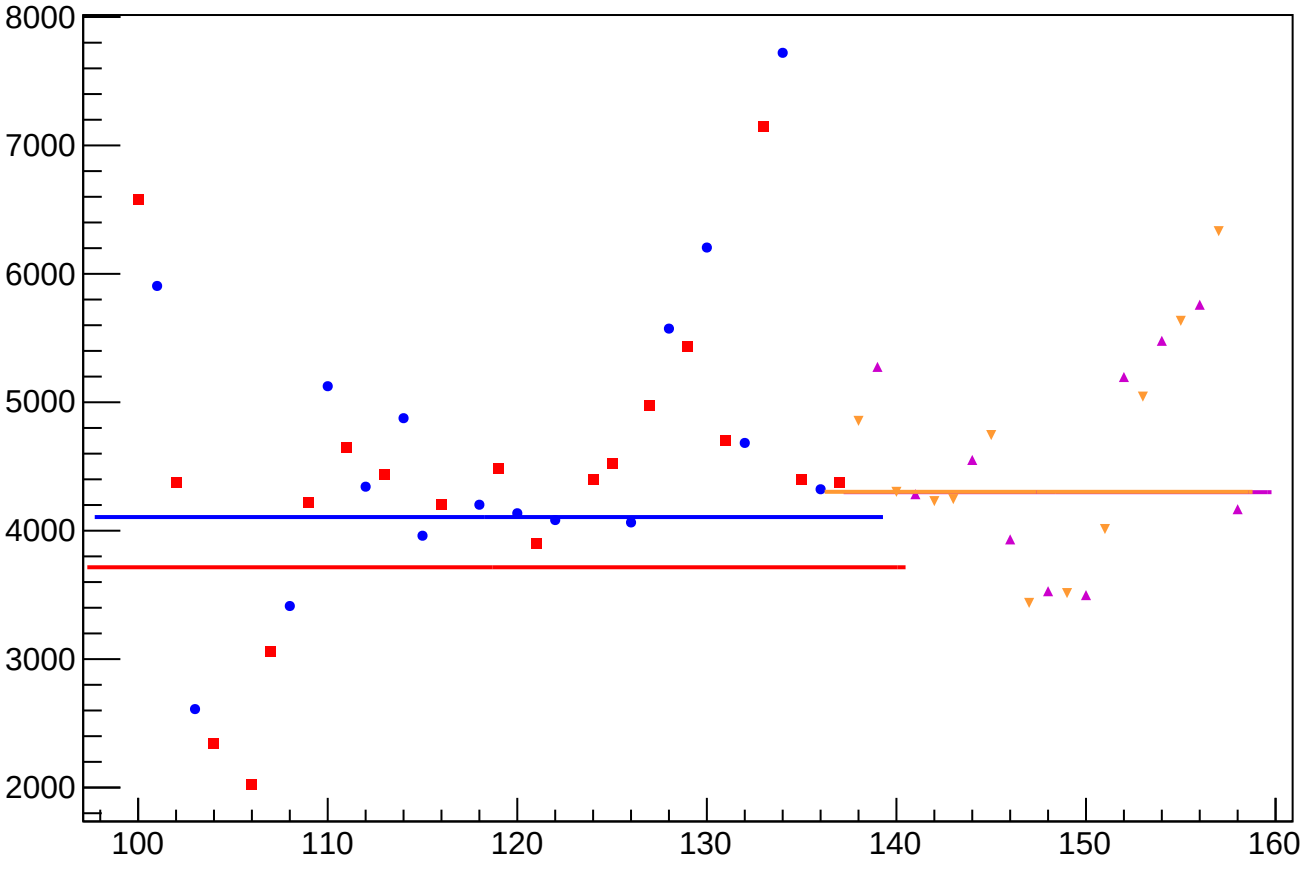
Left: 1086.479+/-1051.027 χ^2/NDF: 15.1/20

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -135.081+/-1082.294 χ^2/NDF:19.7/25

Out: 434.345+/-1040.309 χ^2/NDF:28.3/29

All: 160.891+/-750.013 χ^2/NDF: 48.1/55



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4302.758+/-1.055 χ^2/NDF:523692.2/10

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4299.941+/-1.047 χ^2/NDF:491862.0/9

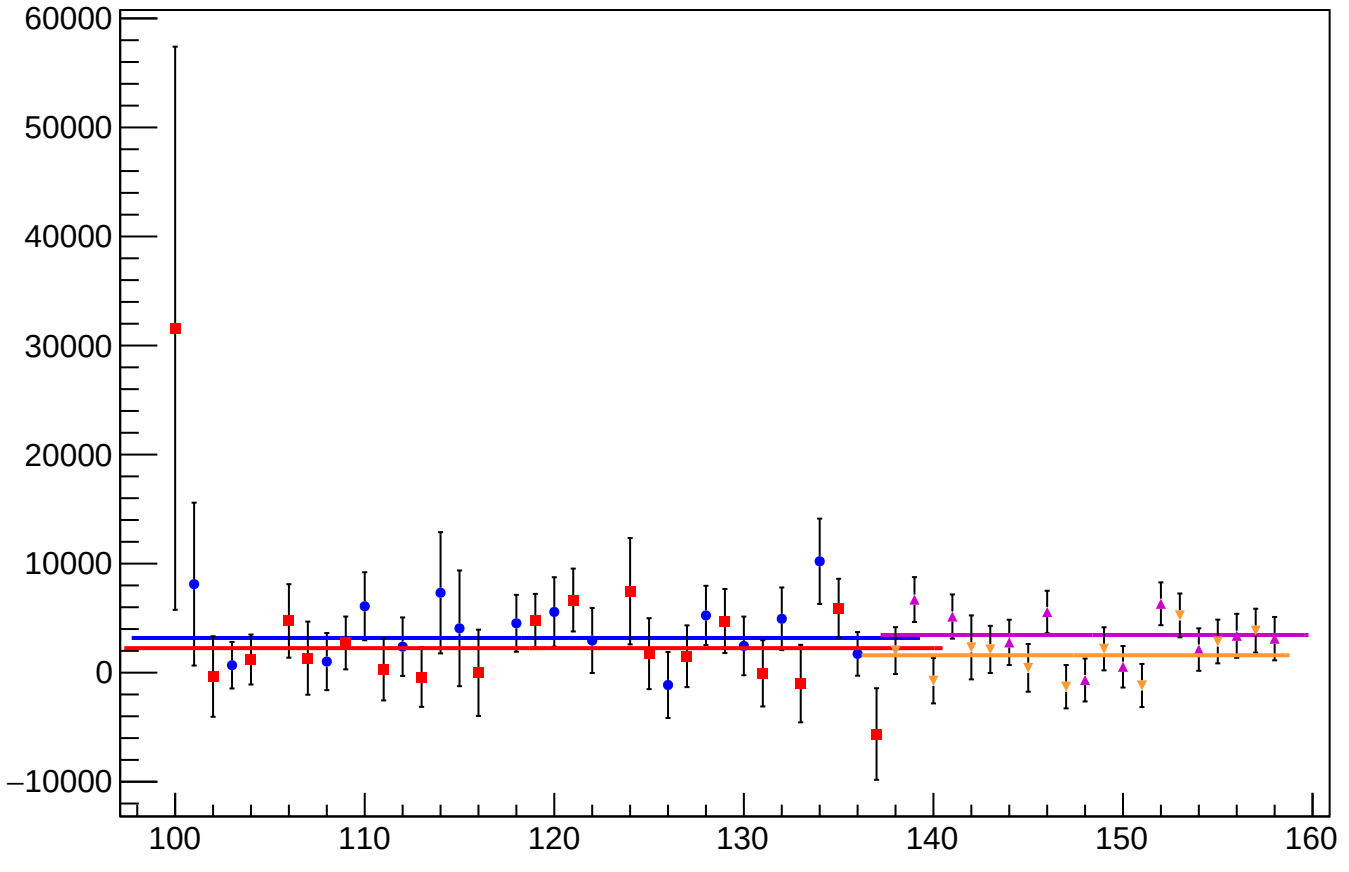
Left: 4301.339+/-0.743 χ^2/NDF: 1015557.8/20

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4209.672+/-0.765 χ^2/NDF:1463435.7/25

Out: 4000.956+/-0.736 χ^2/NDF:2018167.4/29

All: 4101.187+/-0.530 χ^2/NDF: 3520263.1/55



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1594.977+/-633.004 χ^2/NDF:10.8/10

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3454.000+/-628.501 χ^2/NDF:13.8/9

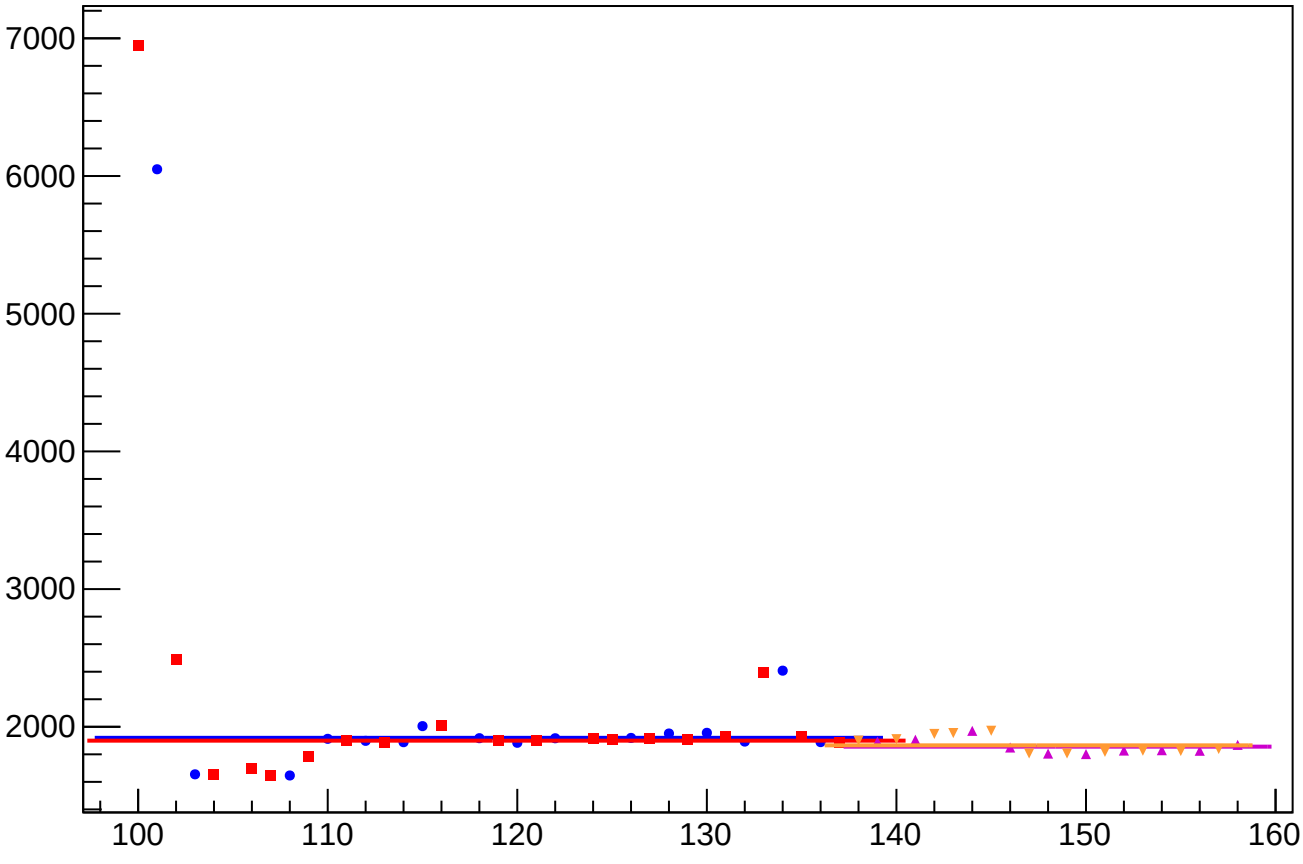
Left: 2531.124+/-446.001 χ^2/NDF: 29.0/20

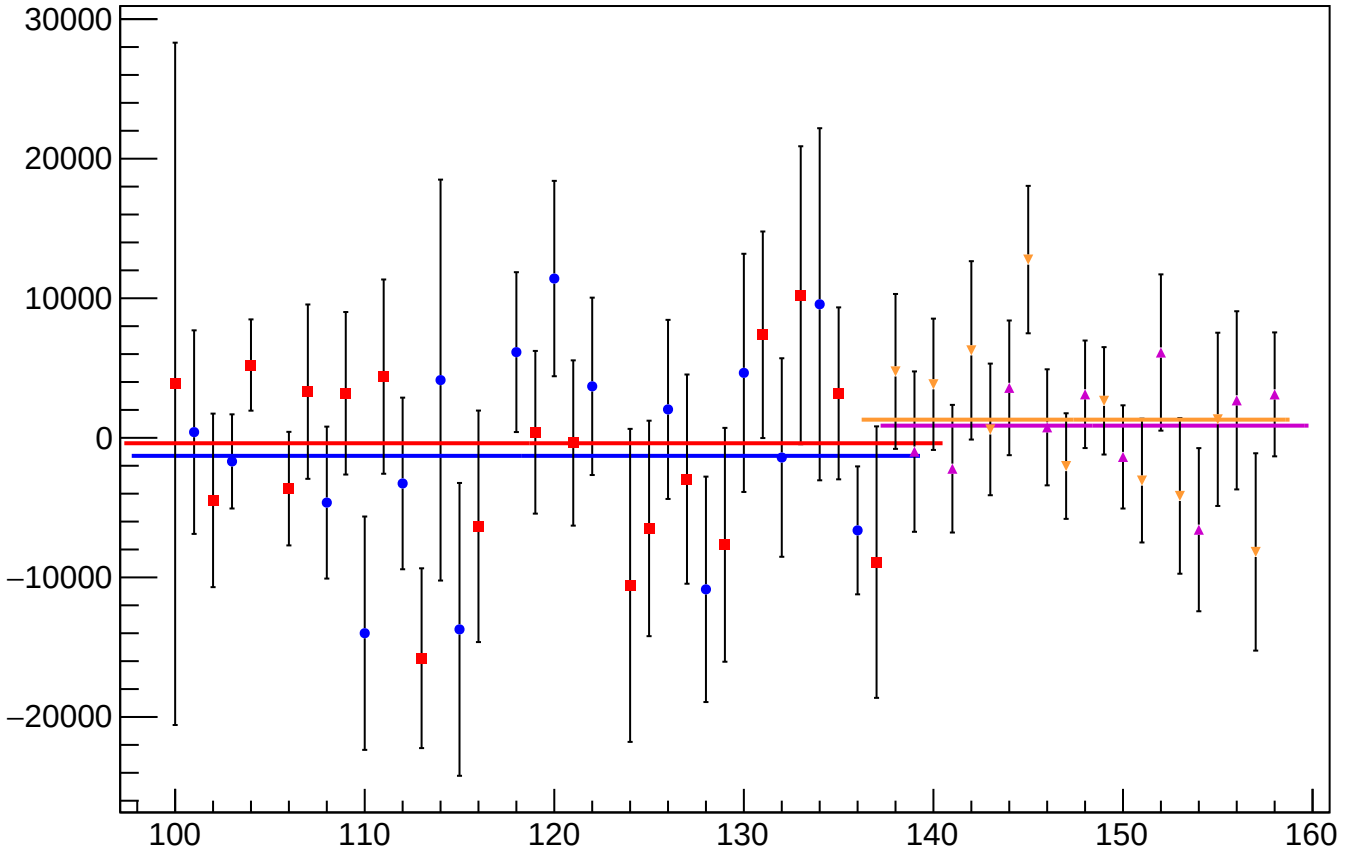
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3338.829+/-476.608 χ^2/NDF:25.6/25

Out: 1883.400+/-472.757 χ^2/NDF:27.8/29

All: 2605.210+/-335.643 χ^2/NDF: 58.1/55


eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1919.827+/-0.517 χ²/NDF: 697330.6/15
Left Out: 1865.217+/-0.448 χ²/NDF:17767.5/10
Right Out: 1899.364+/-0.502 χ²/NDF: 215654.1/18
Left In: 1855.798+/-0.444 χ²/NDF:12211.3/9
Left: 1860.474+/-0.315 χ²/NDF: 30201.8/20
Right: 1909.293+/-0.360 χ²/NDF: 913791.4/34
In: 1883.007+/-0.337 χ²/NDF:718362.8/25
Out: 1880.344+/-0.334 χ²/NDF:235999.8/29
All: 1881.664+/-0.237 χ²/NDF: 954394.1/55



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1302.478+/-1491.732 χ^2/NDF:10.6/10

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 873.555+/-1481.078 χ^2/NDF:4.4/9

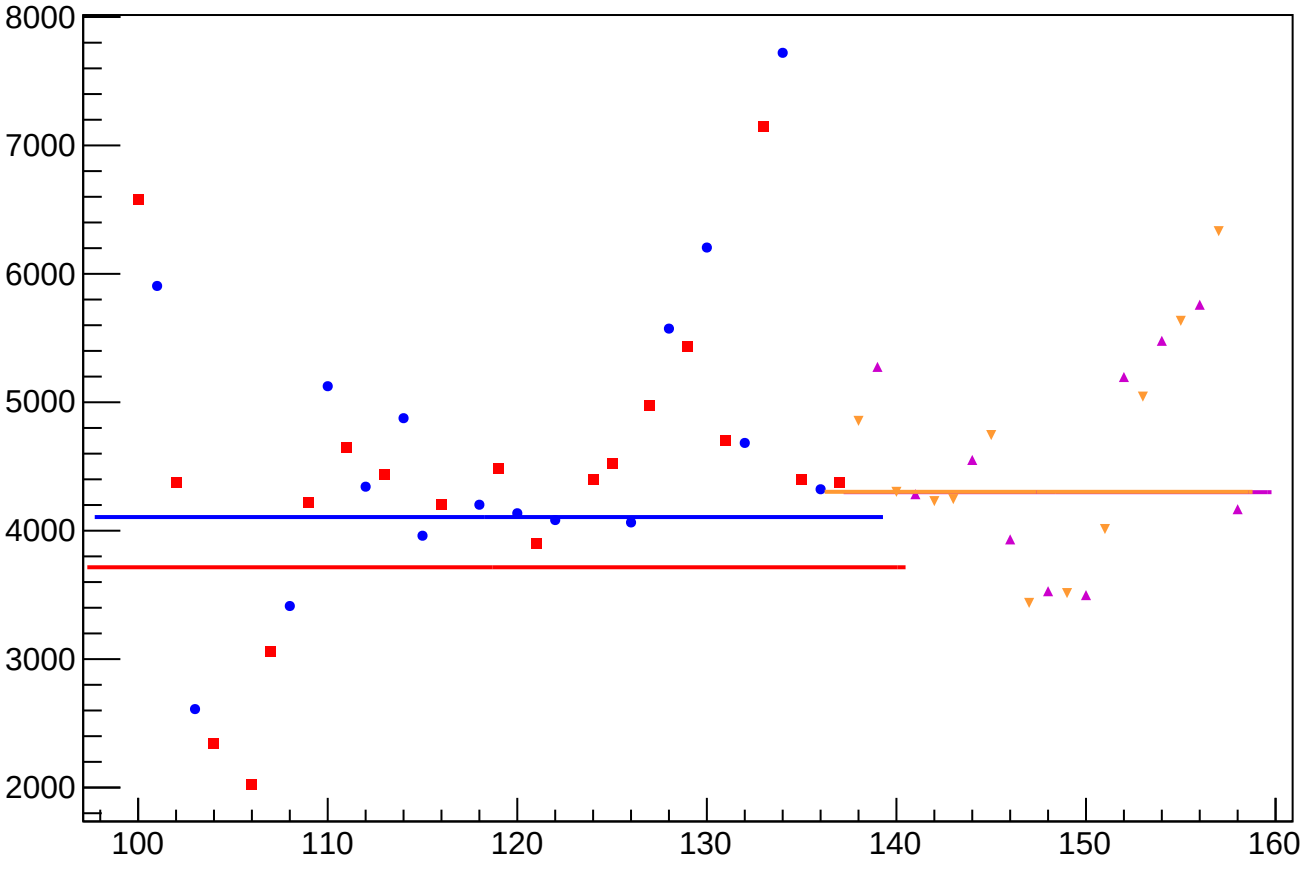
Left: 1086.479+/-1051.027 χ^2/NDF: 15.1/20

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -135.081+/-1082.294 χ^2/NDF:19.7/25

Out: 434.345+/-1040.309 χ^2/NDF:28.3/29

All: 160.891+/-750.013 χ^2/NDF: 48.1/55



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4302.758+/-1.055 χ^2/NDF:523692.2/10

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4299.941+/-1.047 χ^2/NDF:491862.0/9

Left: 4301.339+/-0.743 χ^2/NDF: 1015557.8/20

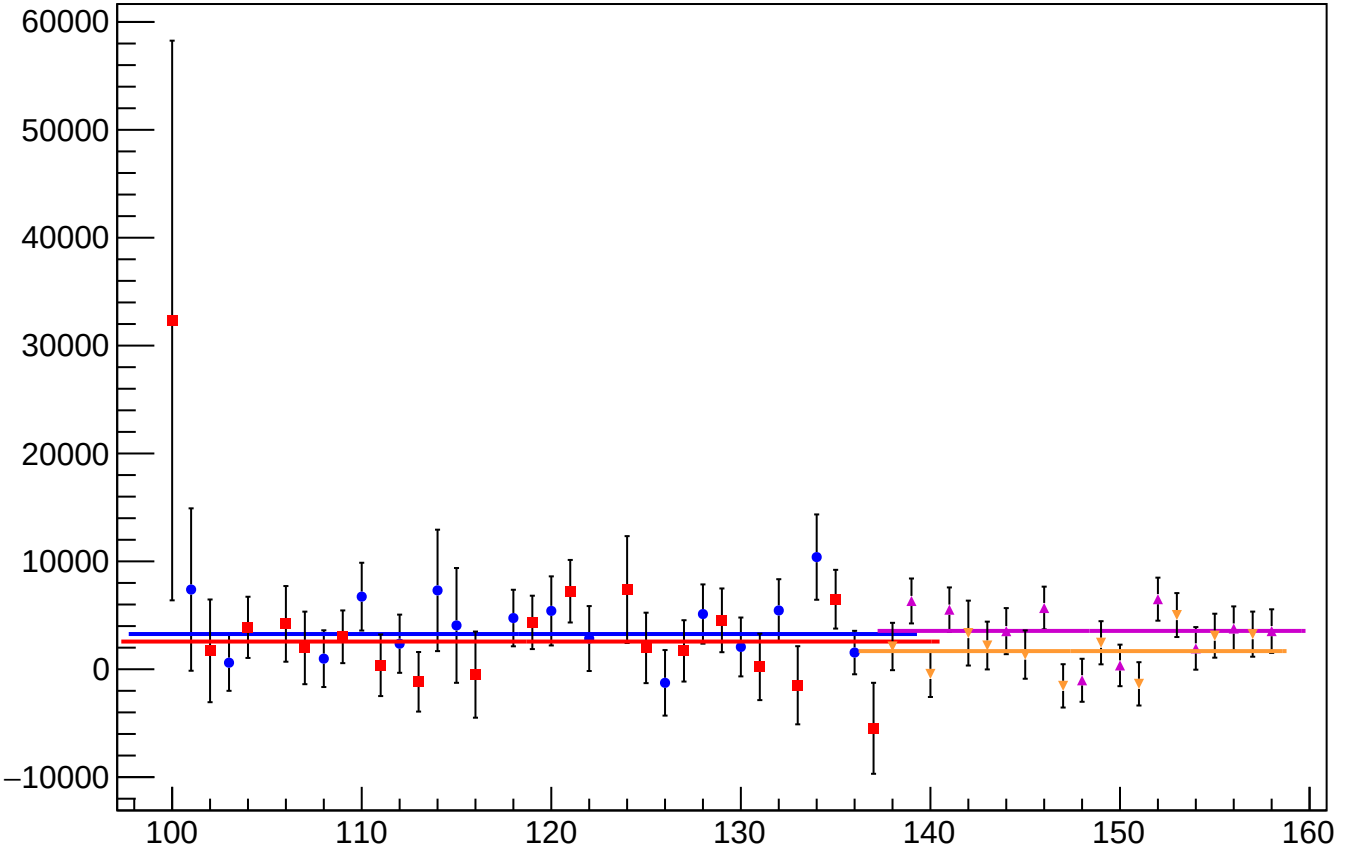
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4209.672+/-0.765 χ^2/NDF:1463435.7/25

Out: 4000.956+/-0.736 χ^2/NDF:2018167.4/29

All: 4101.187+/-0.530 χ^2/NDF: 3520263.1/55

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1681.834+/-645.888 χ^2/NDF:10.2/10

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3553.104+/-638.529 χ^2/NDF:14.7/9

Left: 2628.189+/-454.088 χ^2/NDF: 29.1/20

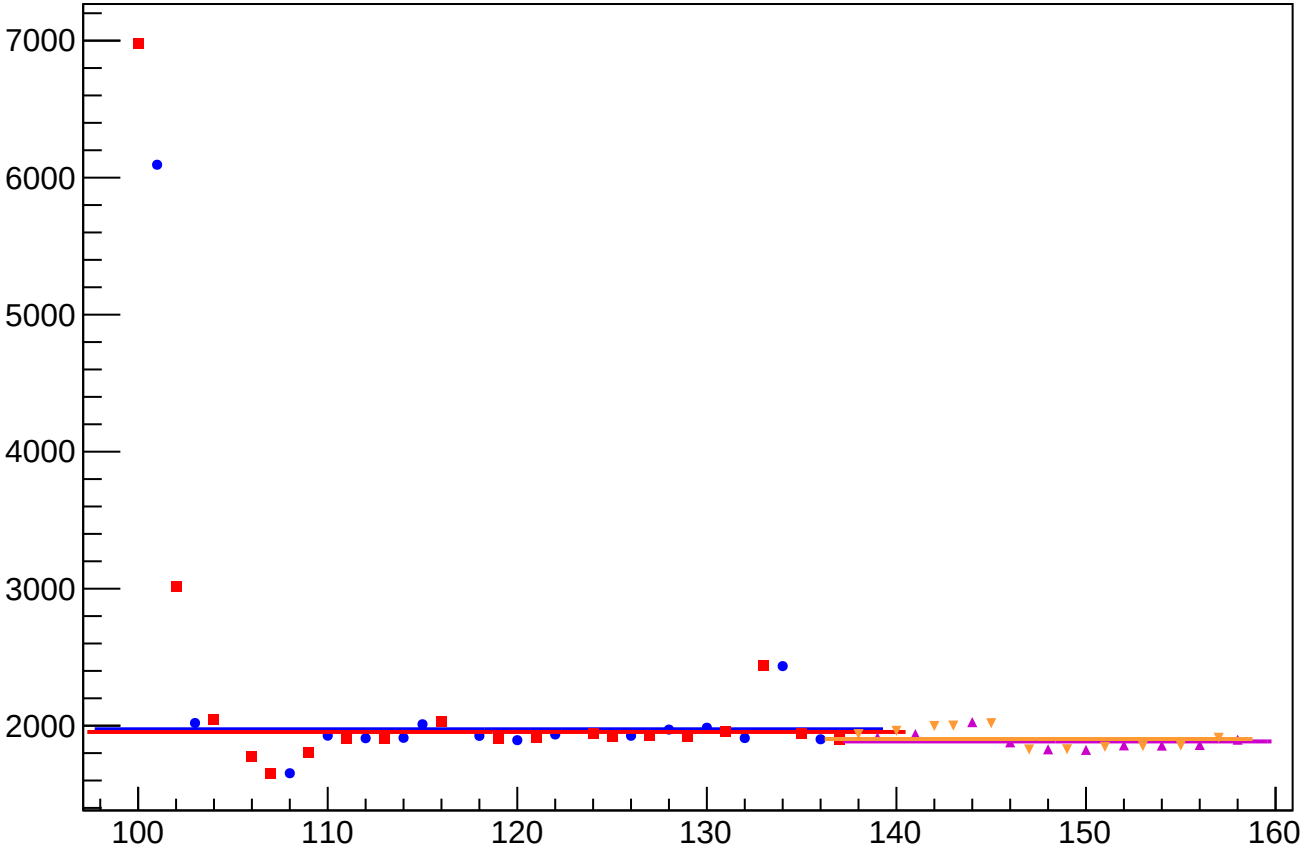
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3432.043+/-486.427 χ^2/NDF:27.0/25

Out: 2067.467+/-485.139 χ^2/NDF:28.0/29

All: 2747.947+/-343.499 χ^2/NDF: 58.9/55

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1902.797+/-0.457 χ^2/NDF:23042.5/10

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1885.185+/-0.452 χ^2/NDF:15508.8/9

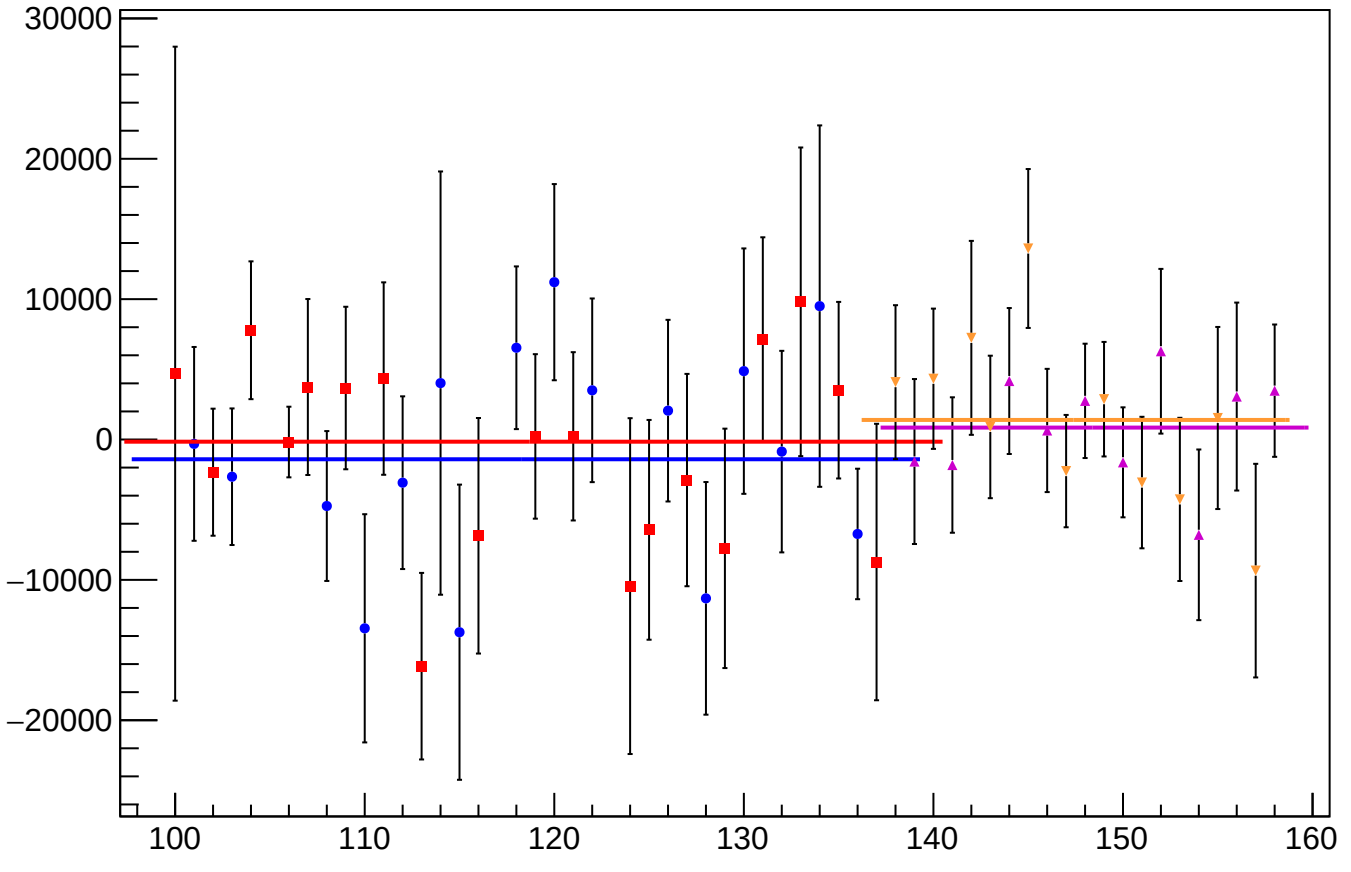
Left: 1893.890+/-0.321 χ^2/NDF: 39303.4/20

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1922.352+/-0.344 χ^2/NDF:696780.0/25

Out: 1925.282+/-0.343 χ^2/NDF:274810.0/29

All: 1923.822+/-0.243 χ^2/NDF: 971626.3/55



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 1393.888+/-1575.251 χ^2/NDF:10.8/10

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 849.414+/-1562.501 χ^2/NDF:4.4/9

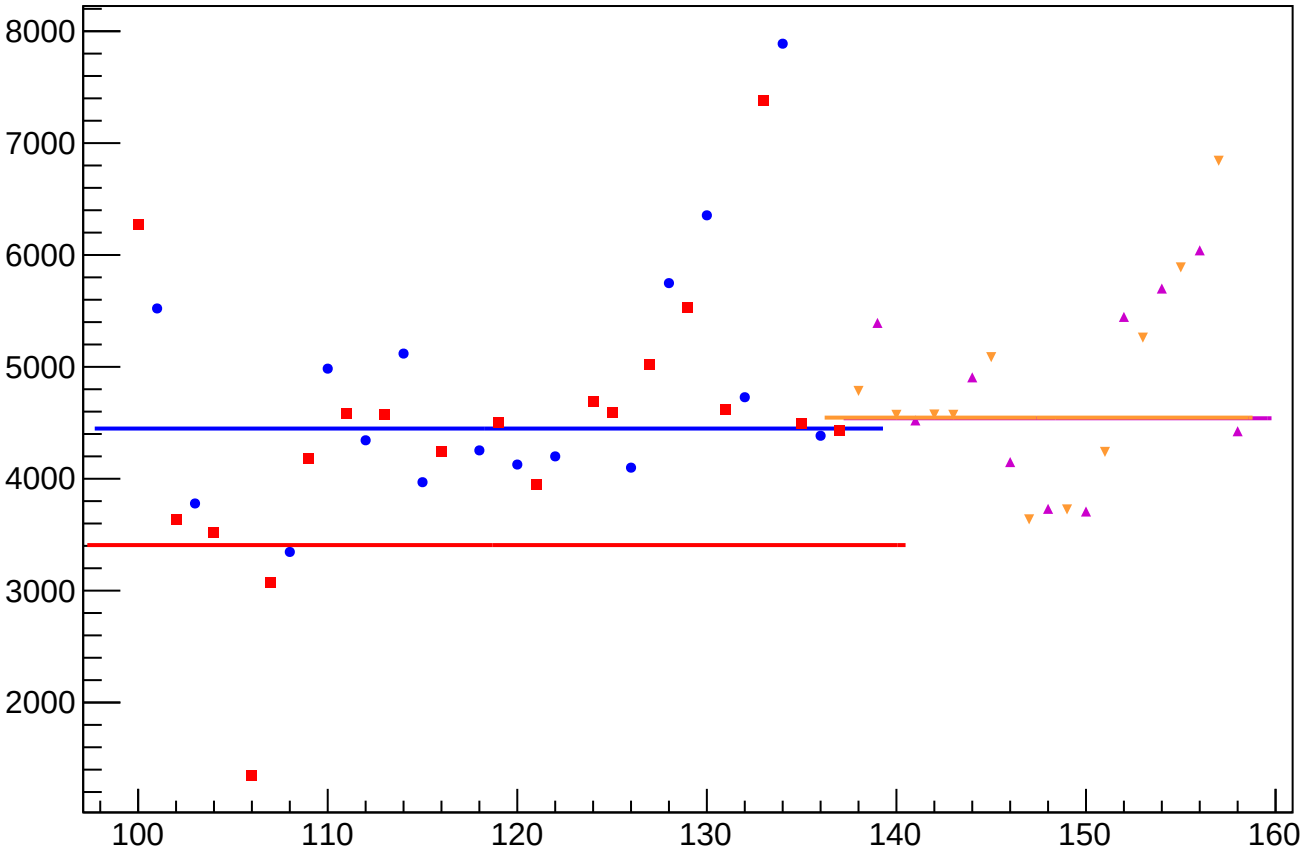
Left: 1119.439+/-1109.335 χ^2/NDF: 15.2/20

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -190.660+/-1147.281 χ^2/NDF:19.5/25

Out: 508.340+/-1031.000 χ^2/NDF:27.1/29

All: 196.048+/-766.852 χ^2/NDF: 46.9/55



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4546.435+/-1.114 χ^2/NDF:512869.5/10

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4540.589+/-1.105 χ^2/NDF:459487.7/9

Left: 4543.488+/-0.784 χ^2/NDF: 972371.1/20

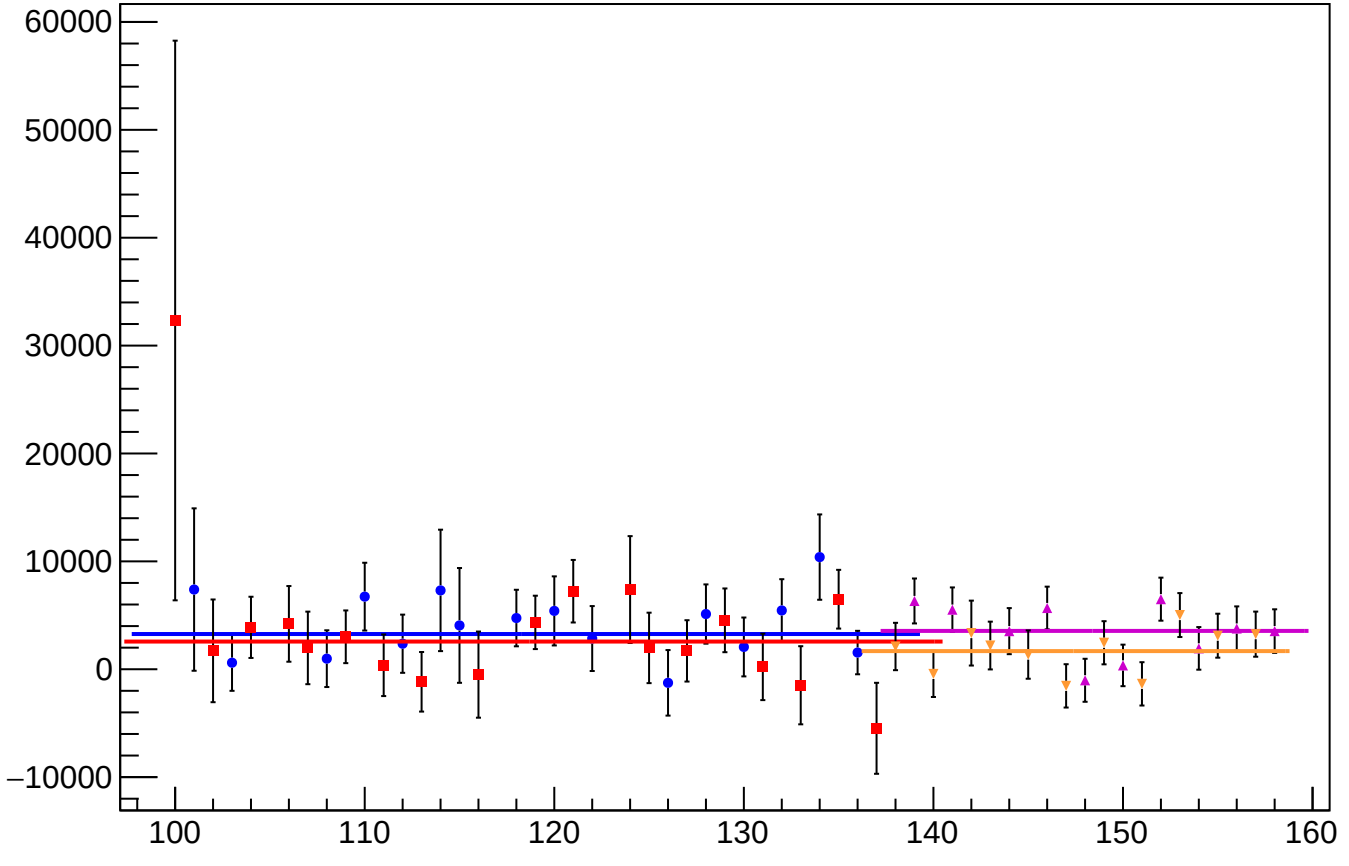
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4498.246+/-0.811 χ^2/NDF:957288.3/25

Out: 3895.171+/-0.729 χ^2/NDF:3436967.4/29

All: 4164.607+/-0.542 χ^2/NDF: 4699985.9/55

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1681.830+/-645.888 χ^2/NDF:10.2/10

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3553.103+/-638.529 χ^2/NDF:14.7/9

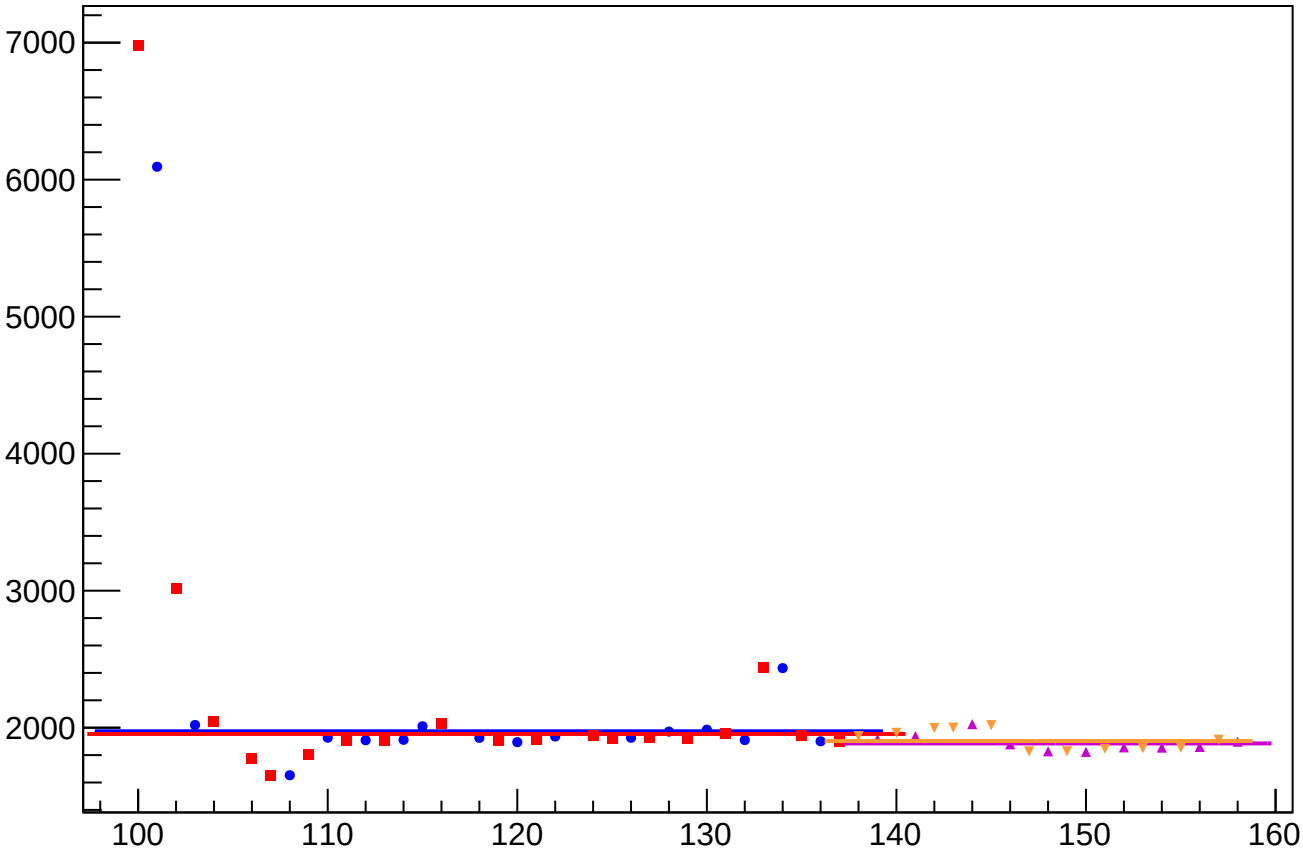
Left: 2628.186+/-454.088 χ^2/NDF: 29.1/20

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

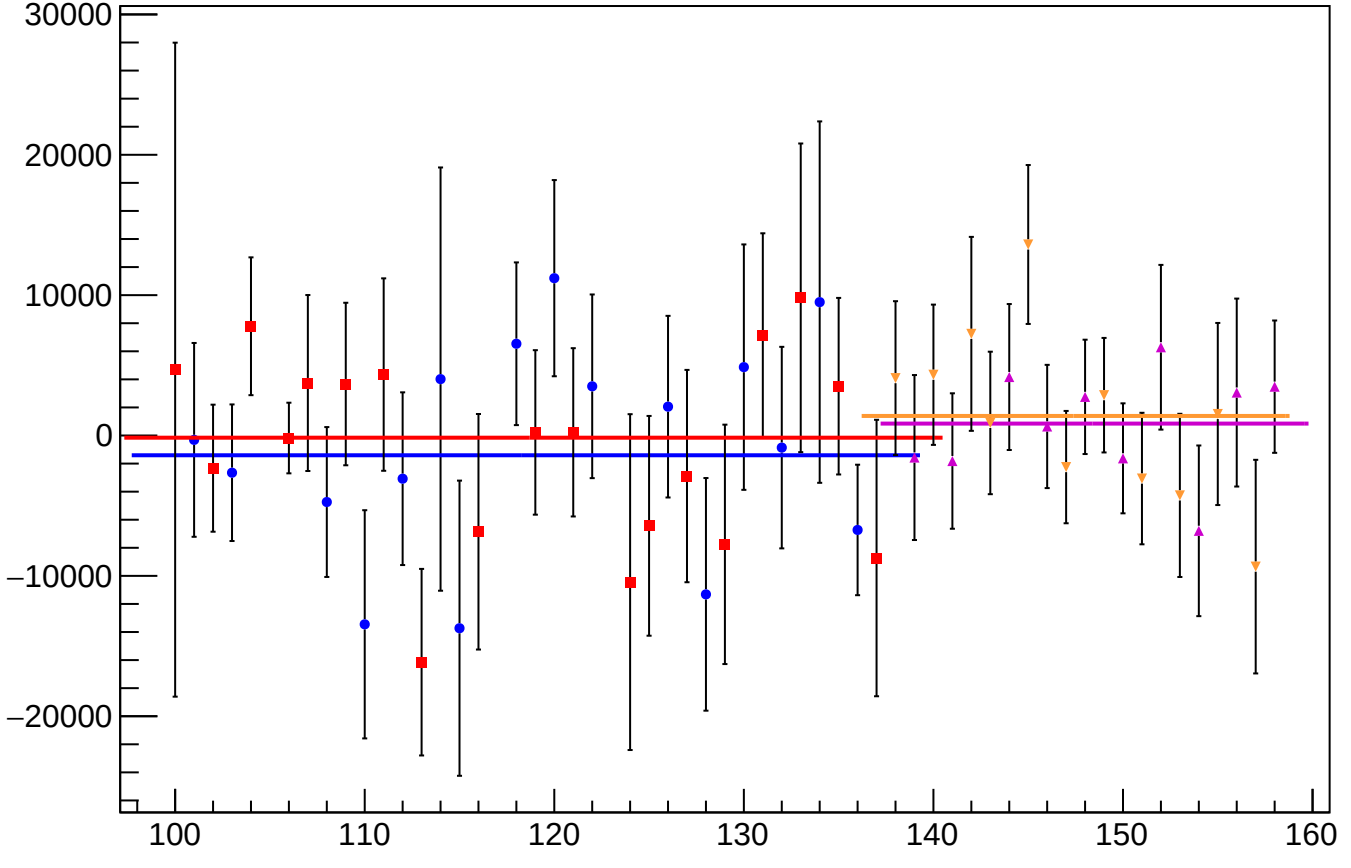
In: 3432.044+/-486.427 χ^2/NDF:27.0/25

Out: 2067.468+/-485.139 χ^2/NDF:28.0/29

All: 2747.948+/-343.500 χ^2/NDF: 58.9/55


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1902.797+/-0.457 χ²/NDF:23042.7/10
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1885.185+/-0.452 χ²/NDF:15508.8/9
Left: 1893.890+/-0.321 χ²/NDF: 39303.6/20
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1922.352+/-0.344 χ²/NDF:696779.6/25
Out: 1925.282+/-0.343 χ²/NDF:274809.4/29
All: 1923.822+/-0.243 χ²/NDF: 971625.4/55

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 1393.883+/-1575.253 χ^2/NDF:10.8/10

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 849.412+/-1562.503 χ^2/NDF:4.4/9

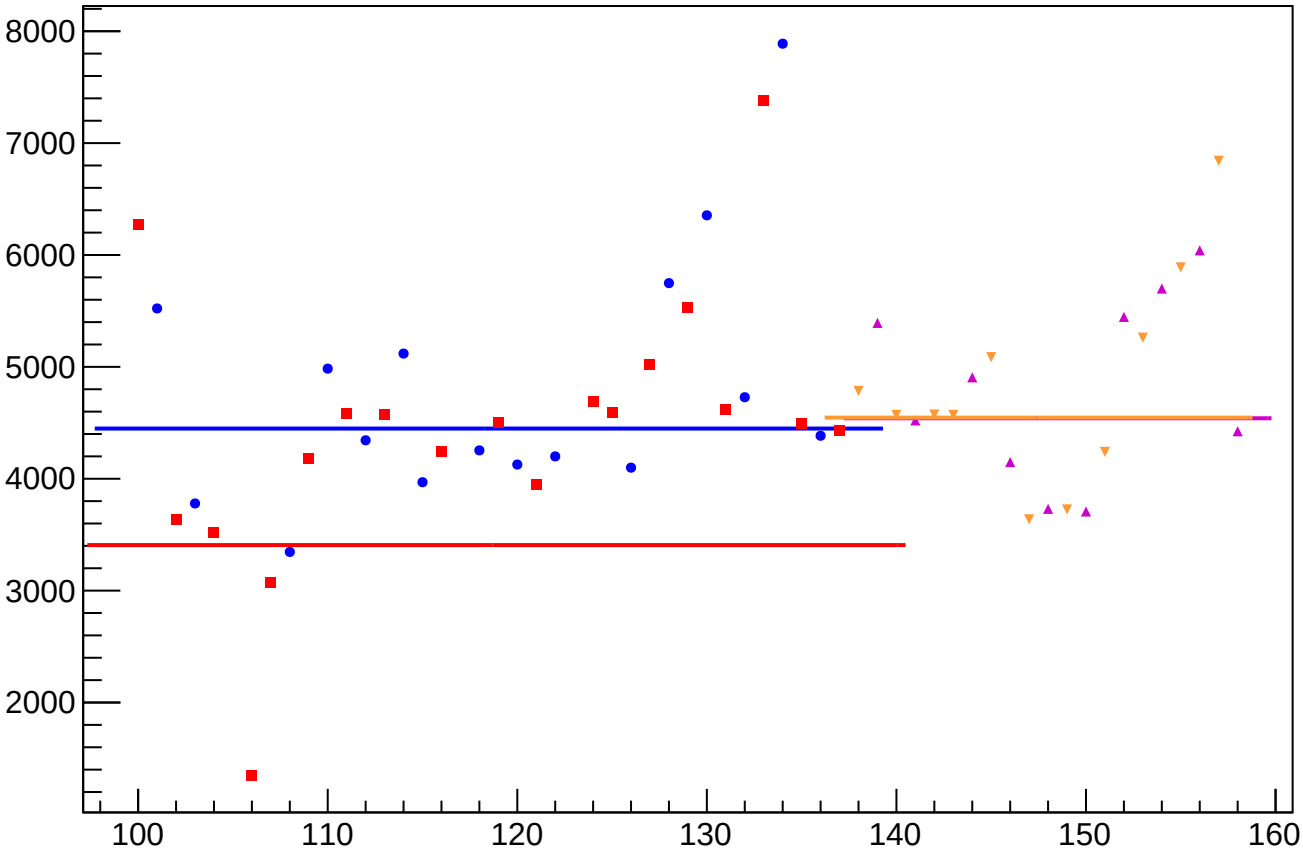
Left: 1119.435+/-1109.337 χ^2/NDF: 15.2/20

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -190.656+/-1147.281 χ^2/NDF:19.5/25

Out: 508.335+/-1030.999 χ^2/NDF:27.1/29

All: 196.047+/-766.852 χ^2/NDF: 46.9/55



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4546.441+/-1.114 χ^2/NDF:512867.7/10

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4540.595+/-1.105 χ^2/NDF:459485.0/9

Left: 4543.495+/-0.784 χ^2/NDF: 972366.6/20

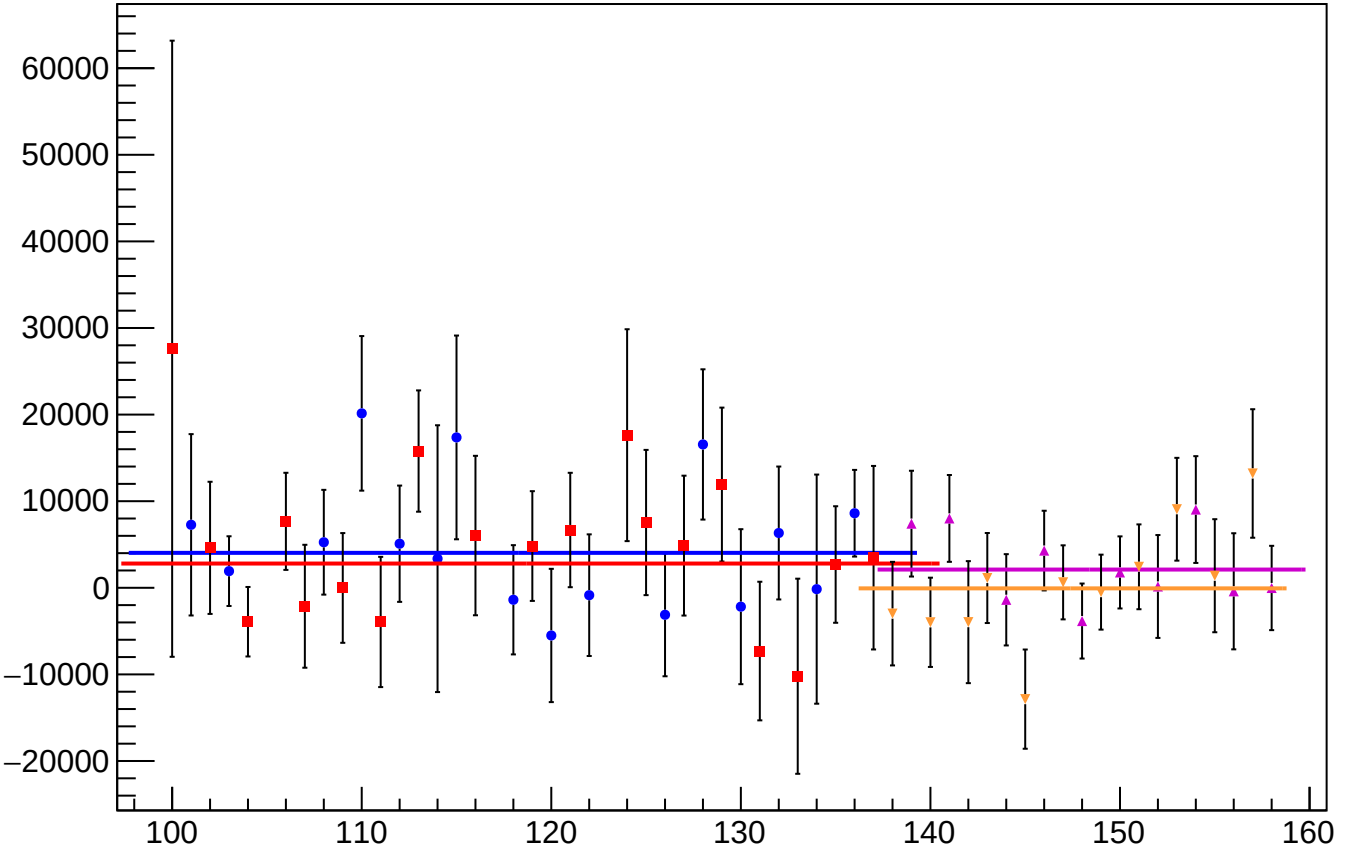
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4498.246+/-0.811 χ^2/NDF:957283.5/25

Out: 3895.167+/-0.729 χ^2/NDF:3436984.8/29

All: 4164.604+/-0.542 χ^2/NDF: 4700002.7/55

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -66.358+/-1637.274 χ^2/NDF:12.1/10

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2105.664+/-1622.171 χ^2/NDF:6.4/9

Left: 1029.717+/-1152.351 χ^2/NDF: 19.4/20

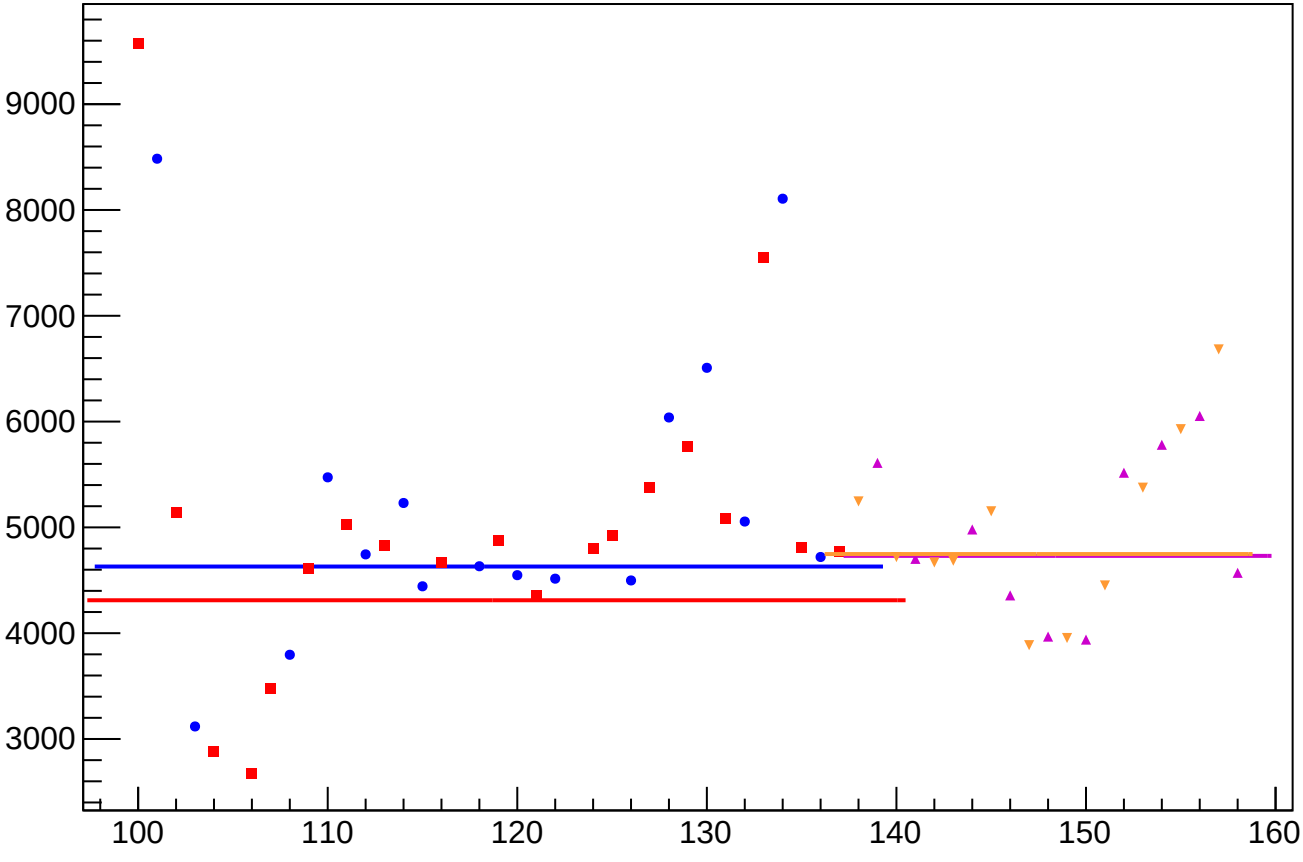
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2979.737+/-1199.591 χ^2/NDF:19.4/25

Out: 1337.120+/-1169.770 χ^2/NDF:29.0/29

All: 2137.757+/-837.496 χ^2/NDF: 49.4/55

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4747.923+/-1.158 χ^2/NDF:403763.2/10

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4730.765+/-1.147 χ^2/NDF:366611.0/9

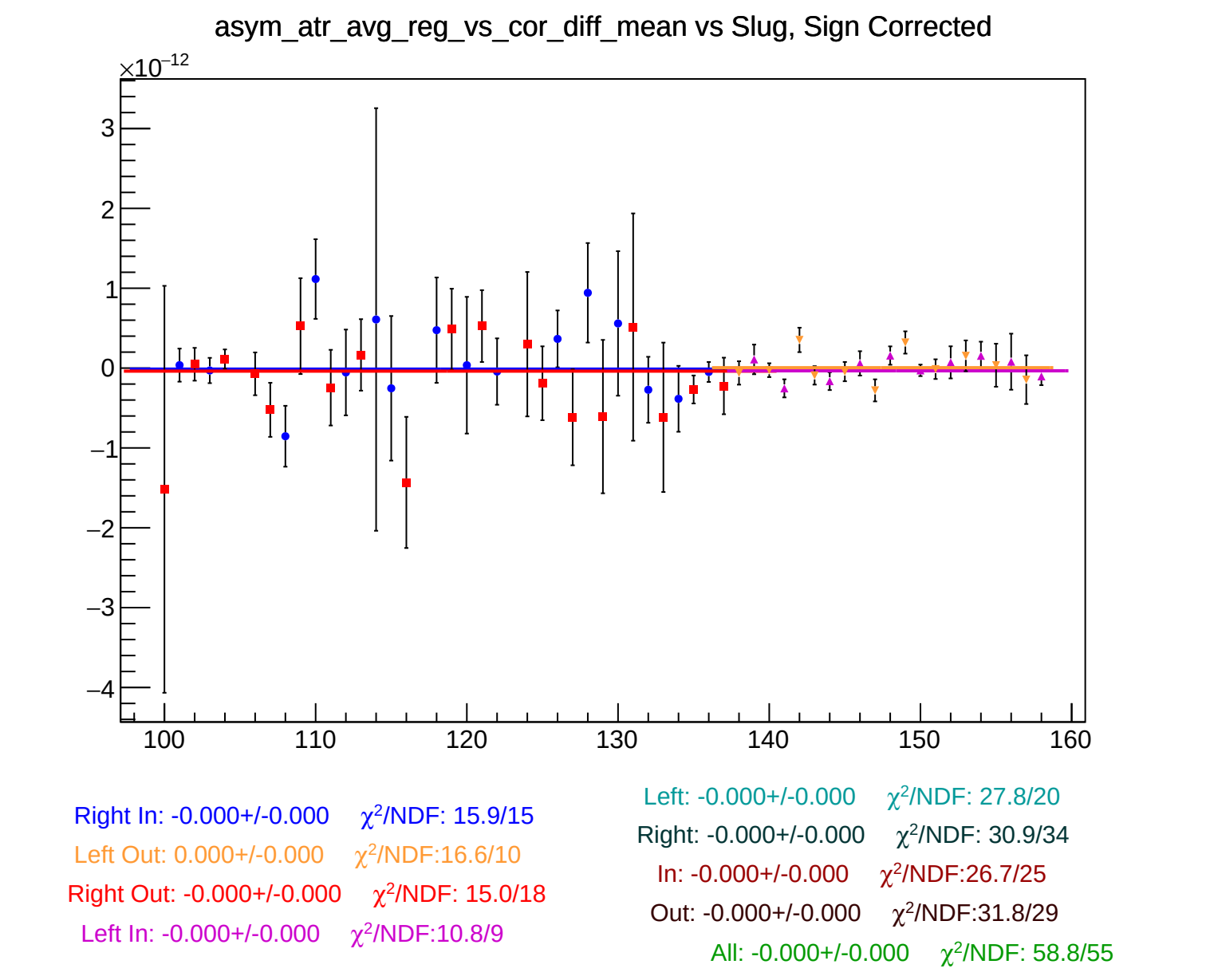
Left: 4739.264+/-0.815 χ^2/NDF: 770485.0/20

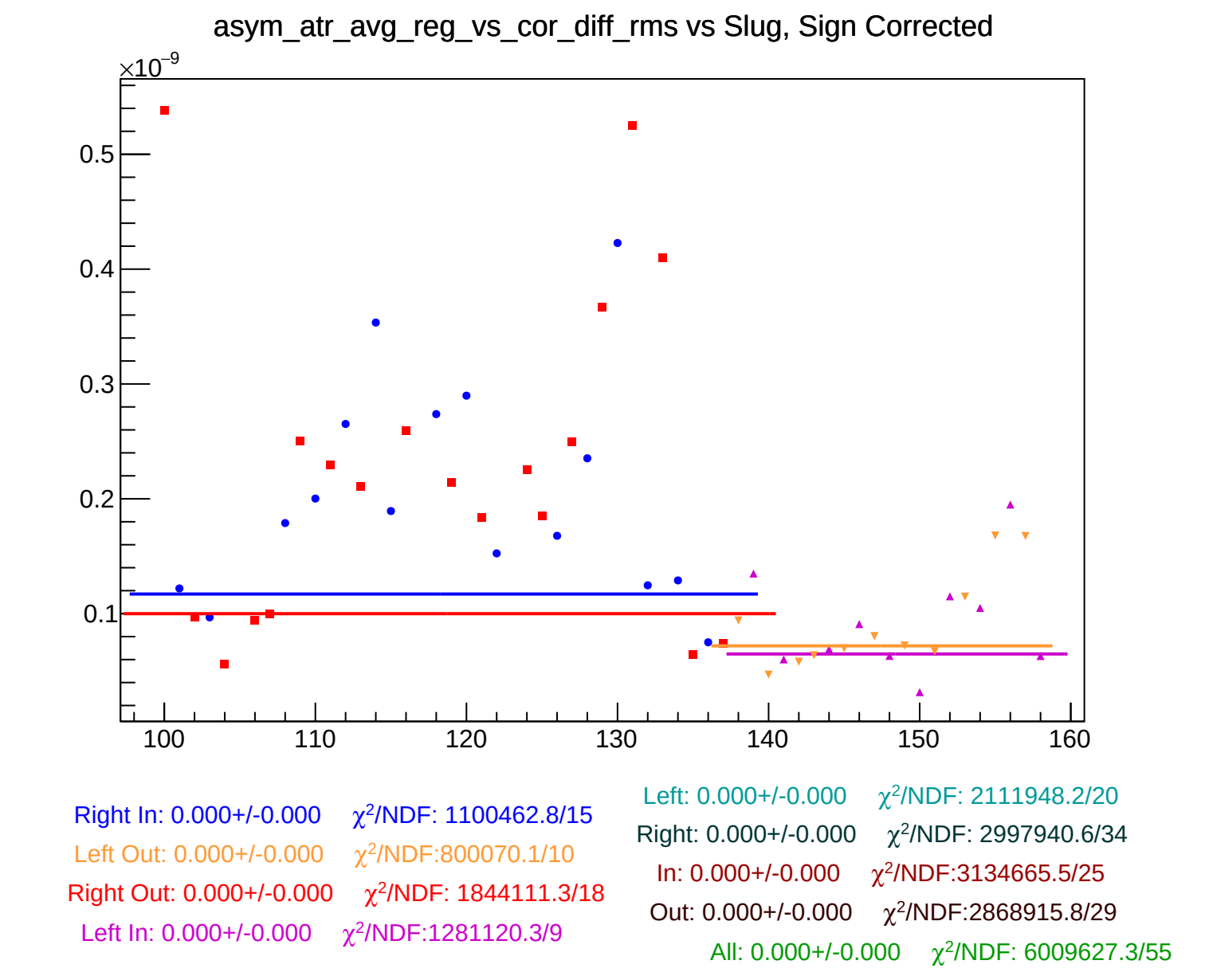
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

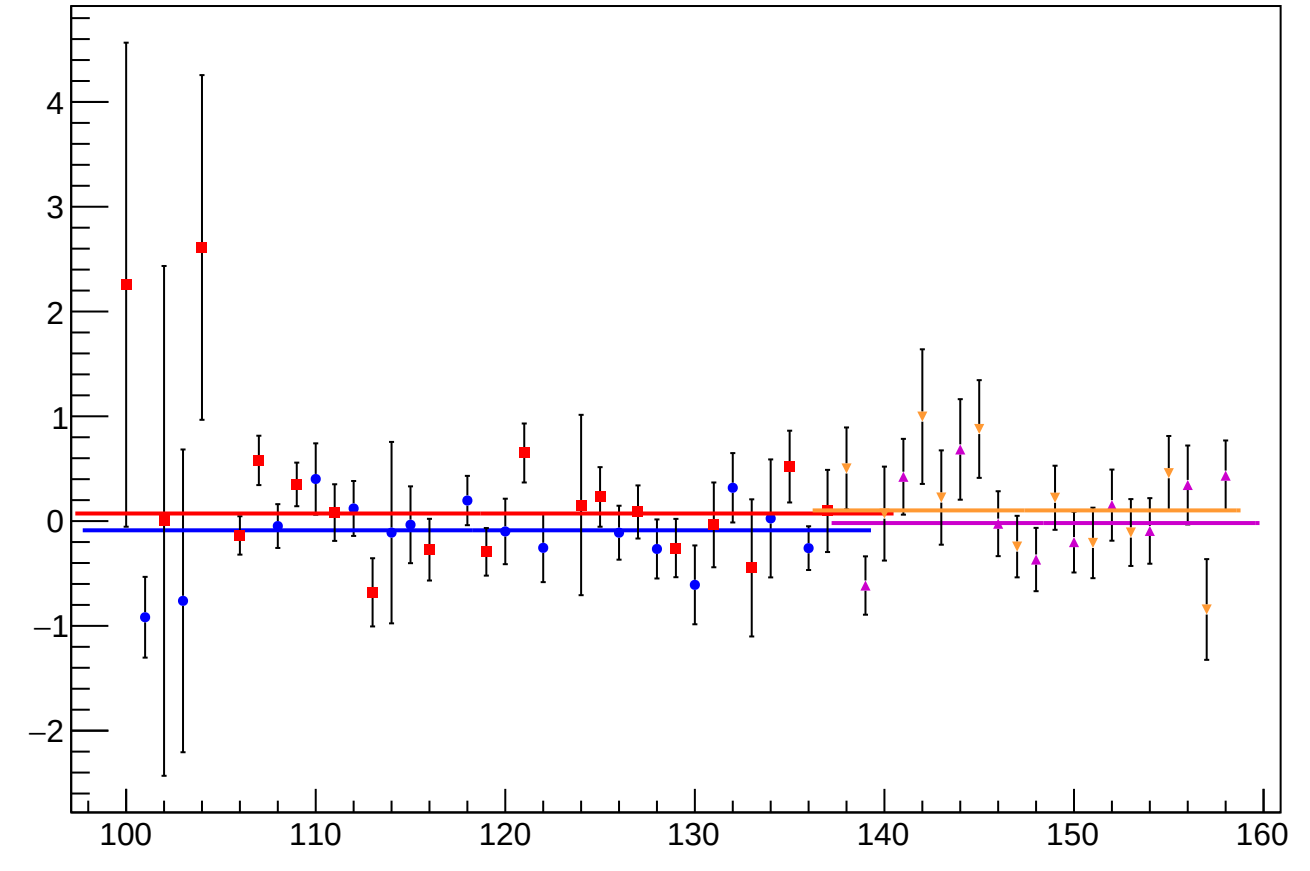
In: 4685.089+/-0.848 χ^2/NDF:1270356.6/25

Out: 4532.240+/-0.824 χ^2/NDF:1378773.9/29

All: 4606.415+/-0.591 χ^2/NDF: 2665843.7/55


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:16.6/10
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:10.8/9
Left: -0.000+/-0.000 χ²/NDF: 27.8/20
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:26.7/25
Out: -0.000+/-0.000 χ²/NDF:31.8/29
All: -0.000+/-0.000 χ²/NDF: 58.8/55


asym_atr_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:800070.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1281120.3/9
Left: 0.000+/-0.000 χ²/NDF: 2111948.2/20
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:3134665.5/25
Out: 0.000+/-0.000 χ²/NDF:2868915.8/29
All: 0.000+/-0.000 χ²/NDF: 6009627.3/55



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.019+/-0.104 χ^2/NDF:13.0/9

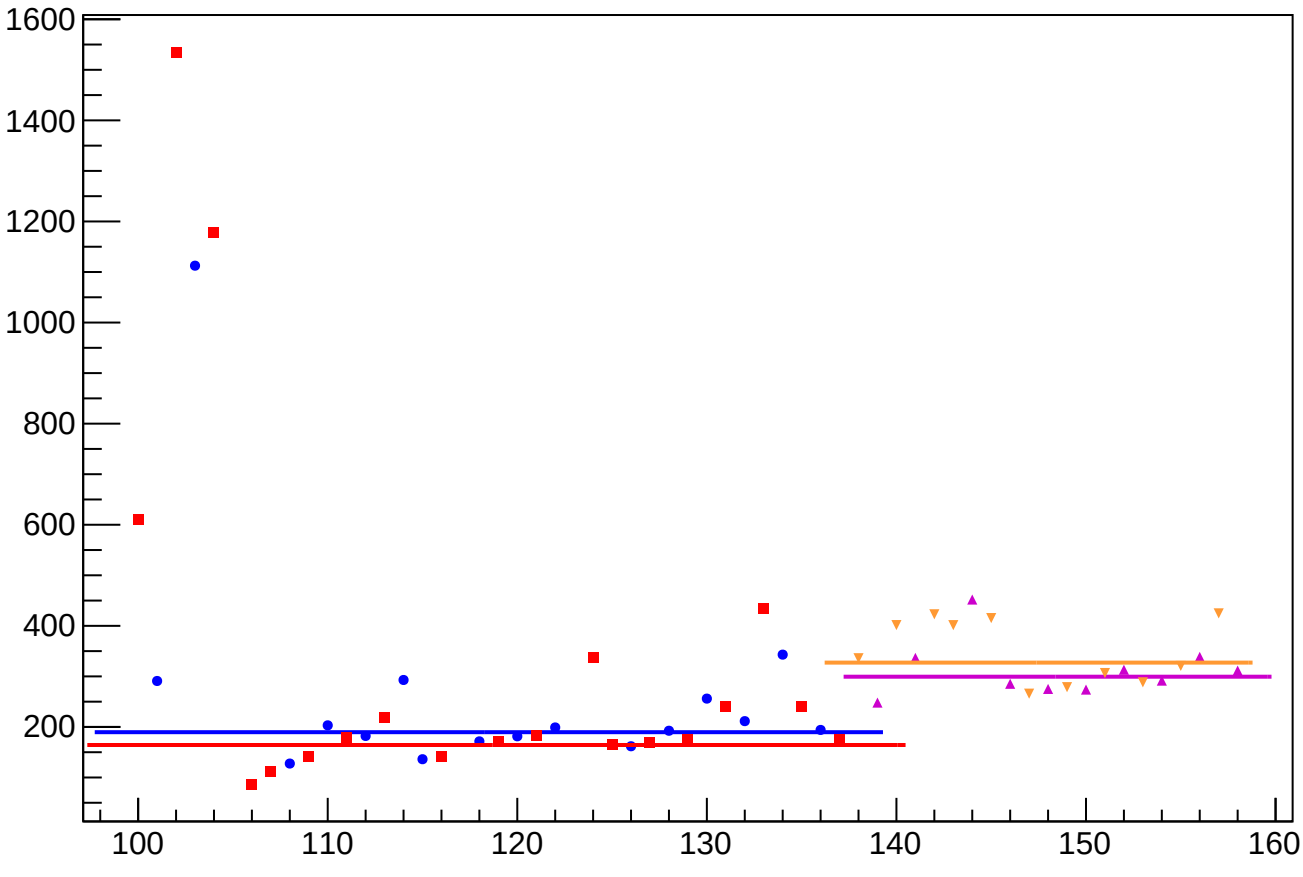
Left: 0.036+/-0.077 χ^2/NDF: 27.1/20

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.063+/-0.062 χ^2/NDF:27.2/25

Out: 0.080+/-0.060 χ^2/NDF:42.2/29

All: 0.011+/-0.043 χ^2/NDF: 72.2/55



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.274+/-0.081 χ^2/NDF:483965.6/10

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 299.389+/-0.073 χ^2/NDF:352539.0/9

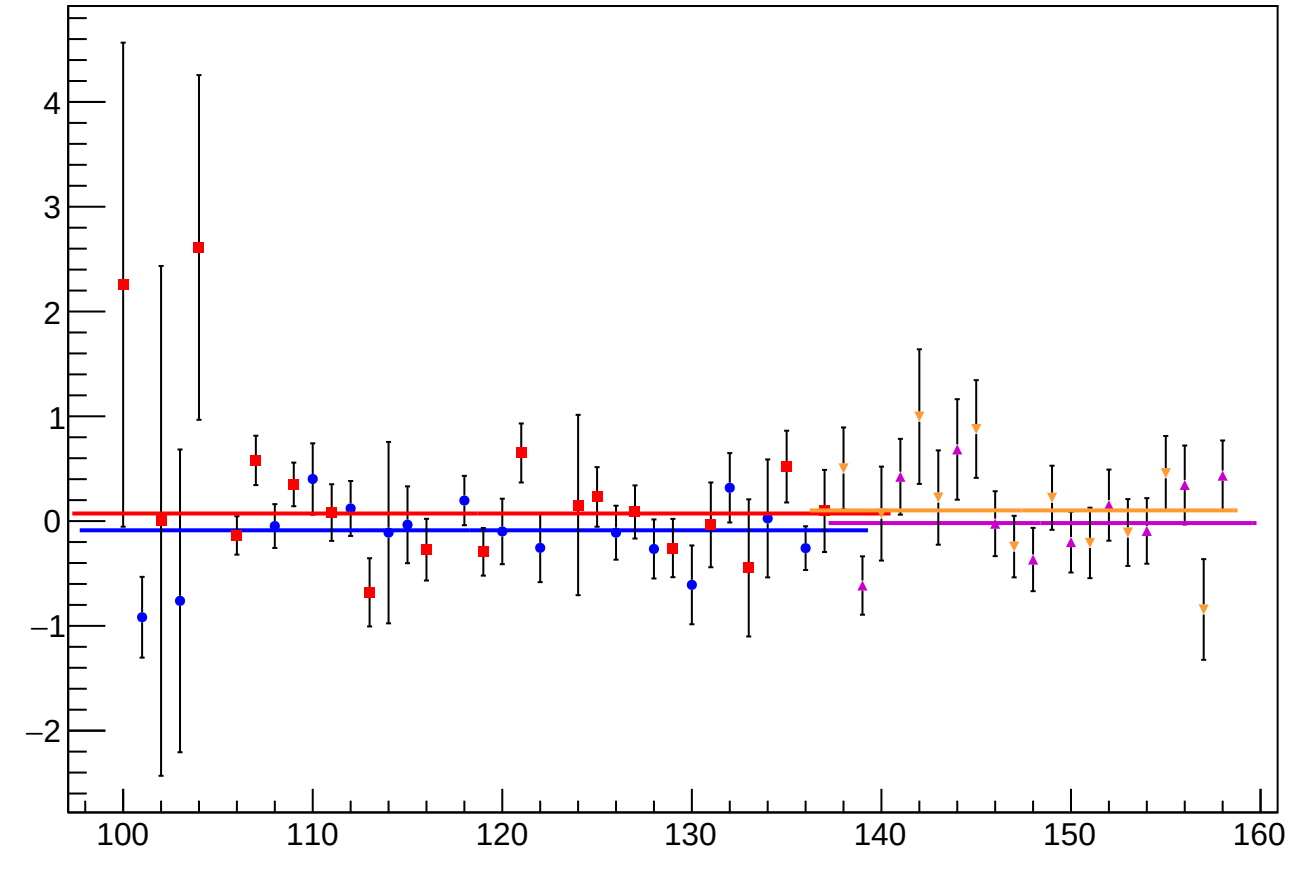
Left: 311.992+/-0.054 χ^2/NDF: 901841.7/20

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 228.477+/-0.044 χ^2/NDF:3265091.9/25

Out: 208.808+/-0.042 χ^2/NDF:6088073.4/29

All: 218.316+/-0.030 χ^2/NDF: 9458146.9/55



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.019+/-0.104 χ^2/NDF:13.0/9

Left: 0.036+/-0.077 χ^2/NDF: 27.1/20

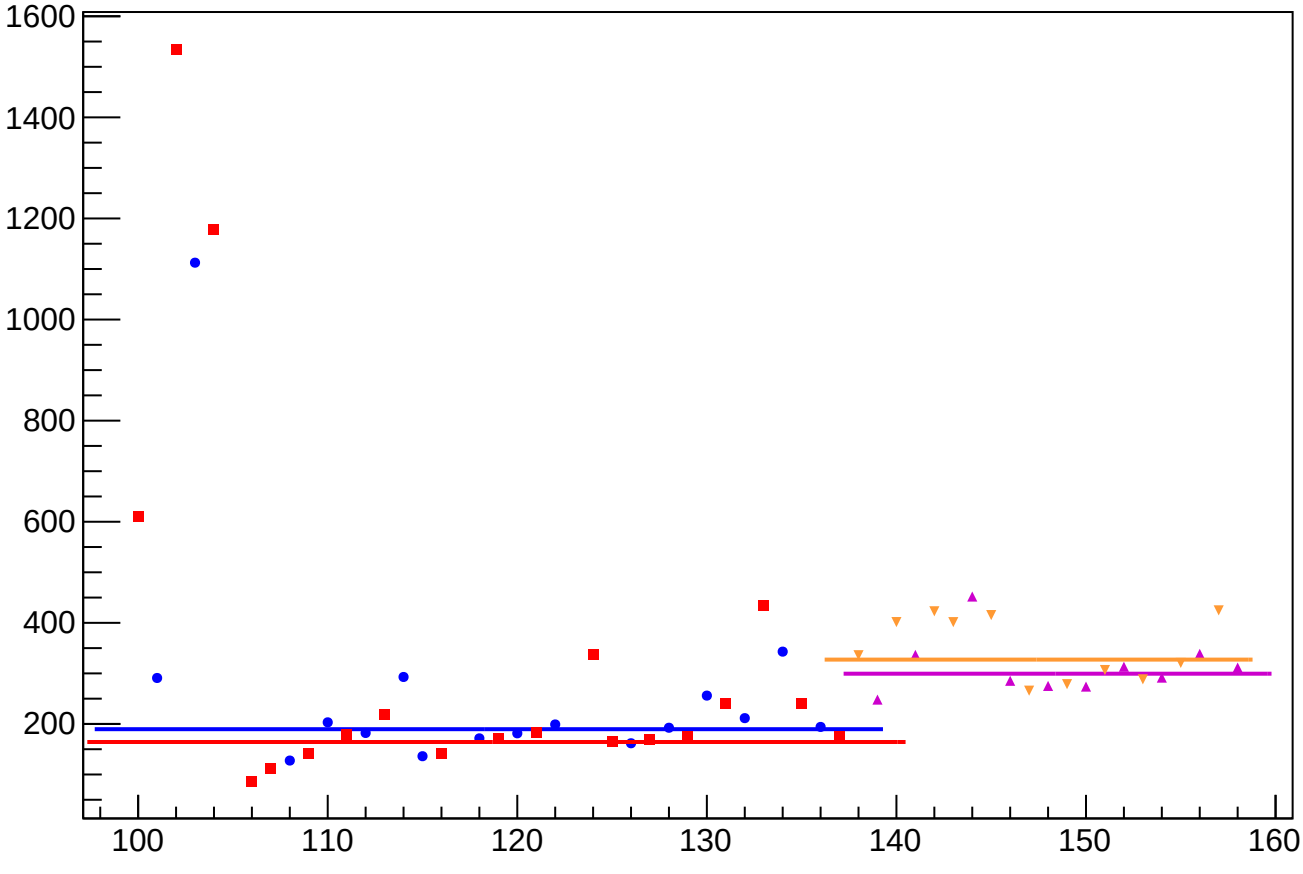
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.063+/-0.062 χ^2/NDF:27.2/25

Out: 0.080+/-0.060 χ^2/NDF:42.2/29

All: 0.011+/-0.043 χ^2/NDF: 72.2/55

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.274+/-0.081 χ^2/NDF:483965.6/10

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 299.389+/-0.073 χ^2/NDF:352539.0/9

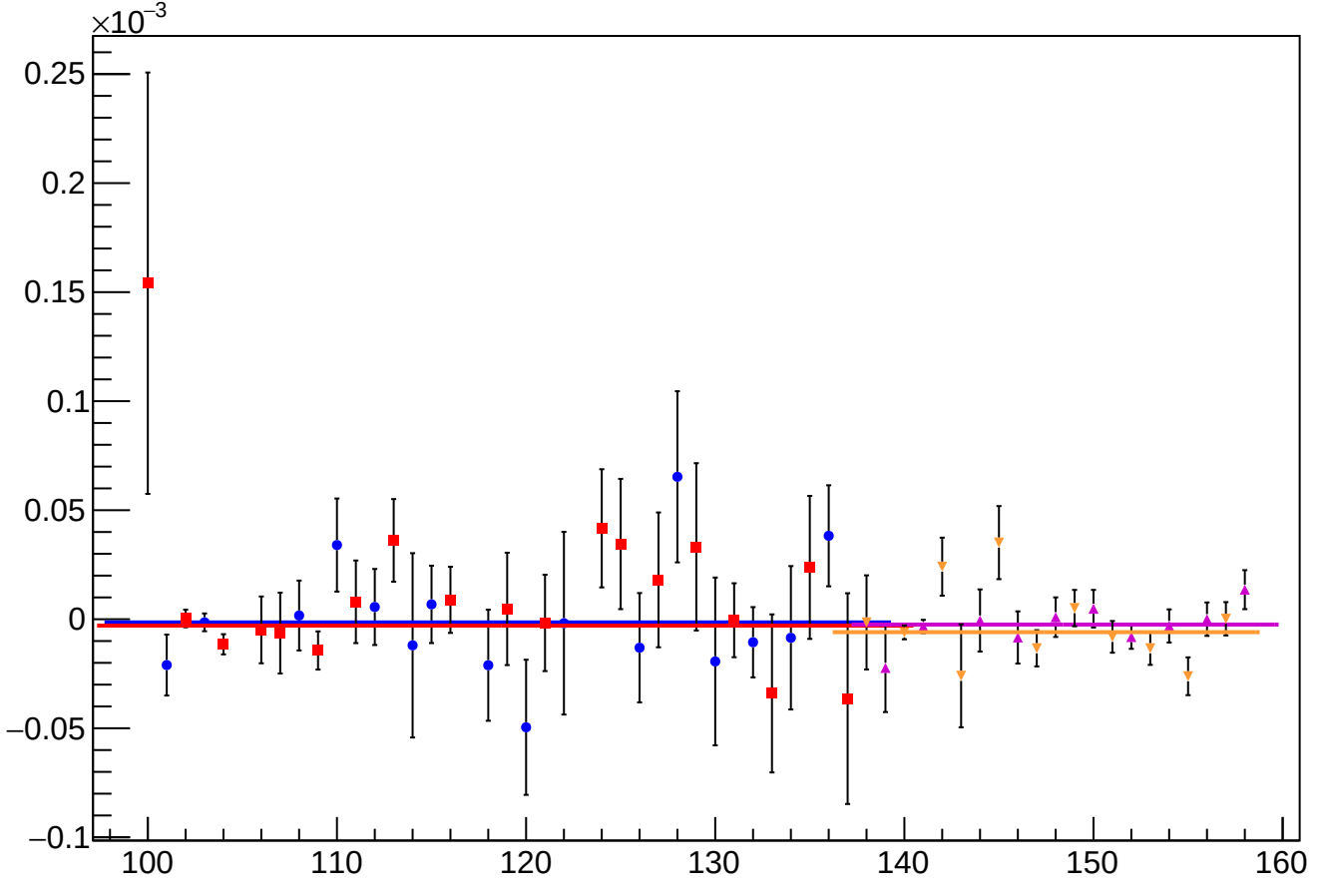
Left: 311.992+/-0.054 χ^2/NDF: 901841.7/20

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 228.477+/-0.044 χ^2/NDF:3265091.9/25

Out: 208.808+/-0.042 χ^2/NDF:6088073.4/29

All: 218.316+/-0.030 χ^2/NDF: 9458146.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/9

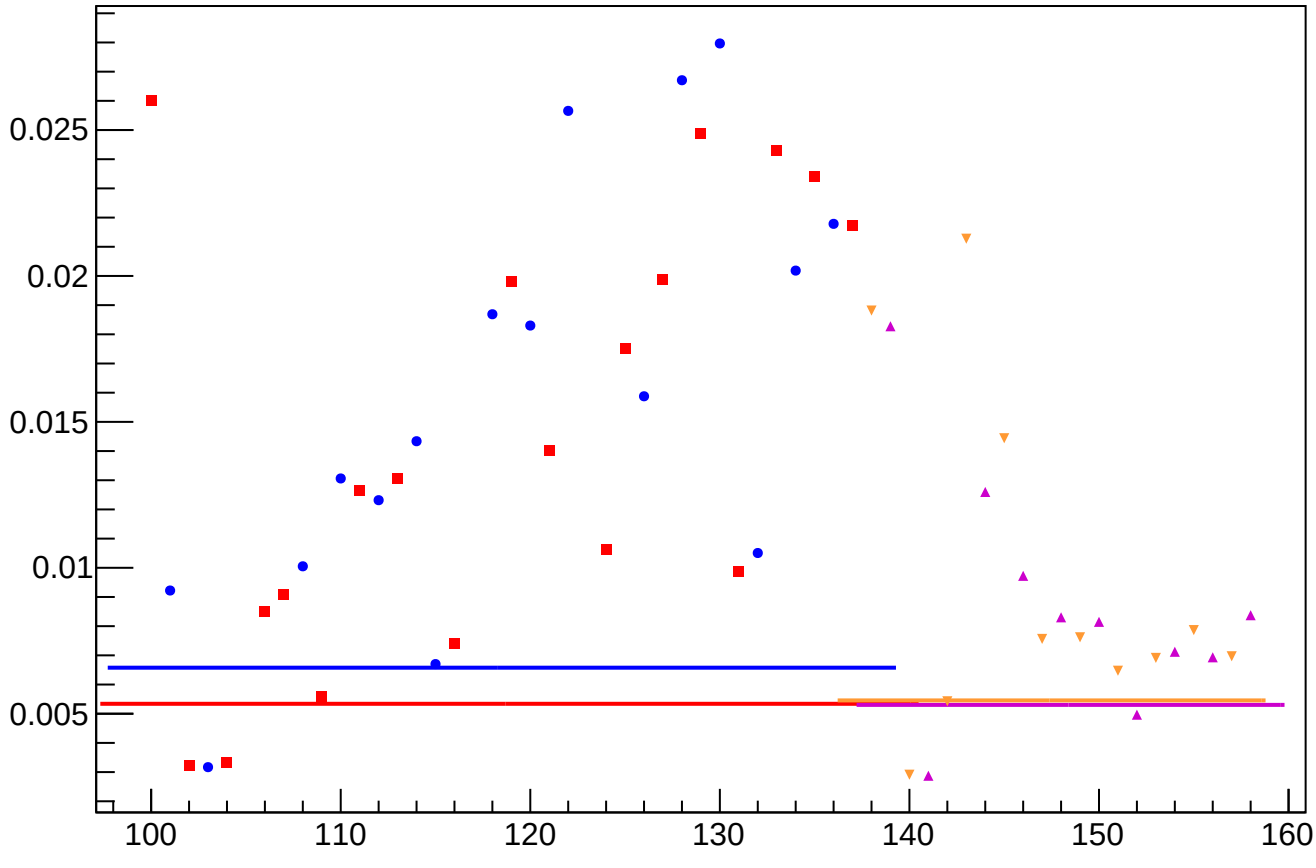
Left: -0.000+/-0.000 χ^2/NDF: 29.4/20

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:21.5/25

Out: -0.000+/-0.000 χ^2/NDF:43.6/29

All: -0.000+/-0.000 χ^2/NDF: 66.1/55



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:4133670.8/10

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.005+/-0.000 χ^2/NDF:3762481.6/9

Left: 0.005+/-0.000 χ^2/NDF: 7901237.9/20

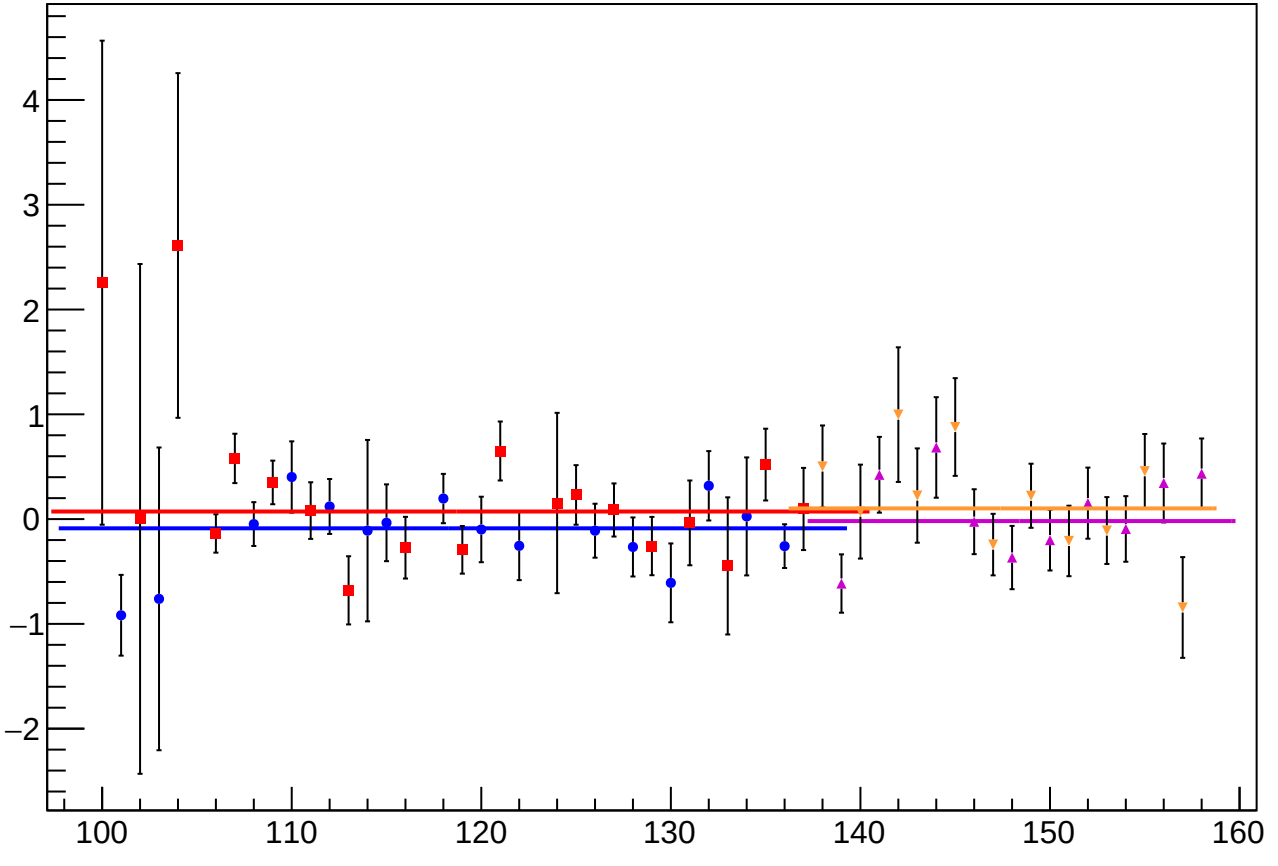
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:9901874.7/25

Out: 0.005+/-0.000 χ^2/NDF:9821941.6/29

All: 0.006+/-0.000 χ^2/NDF: 19746724.5/55

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: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.019+/-0.104 χ^2/NDF:13.0/9

Left: 0.036+/-0.077 χ^2/NDF: 27.1/20

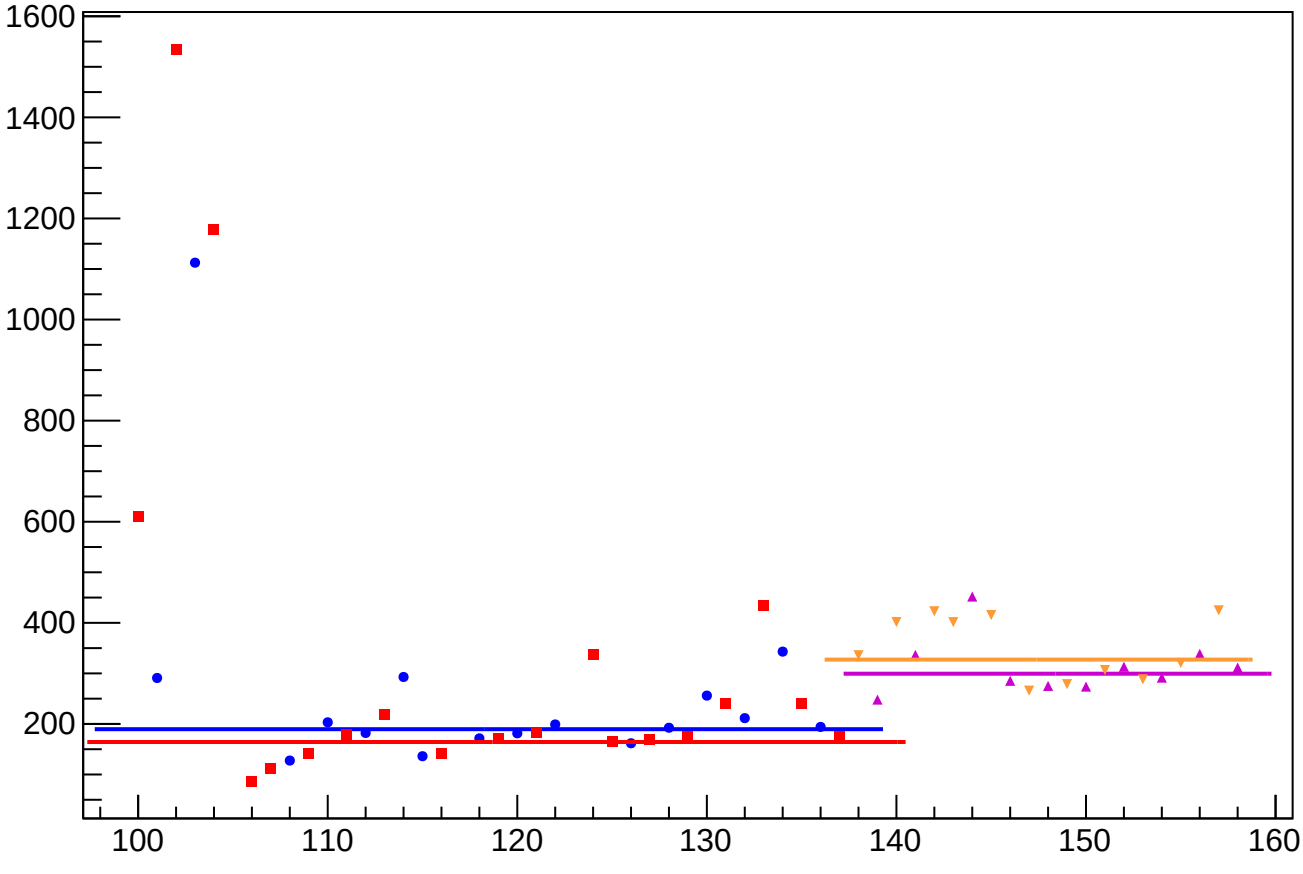
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.063+/-0.062 χ^2/NDF:27.2/25

Out: 0.080+/-0.060 χ^2/NDF:42.2/29

All: 0.011+/-0.043 χ^2/NDF: 72.2/55

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 327.277+/-0.081 χ^2/NDF:483952.6/10

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 299.393+/-0.073 χ^2/NDF:352520.0/9

Left: 311.996+/-0.054 χ^2/NDF: 901807.9/20

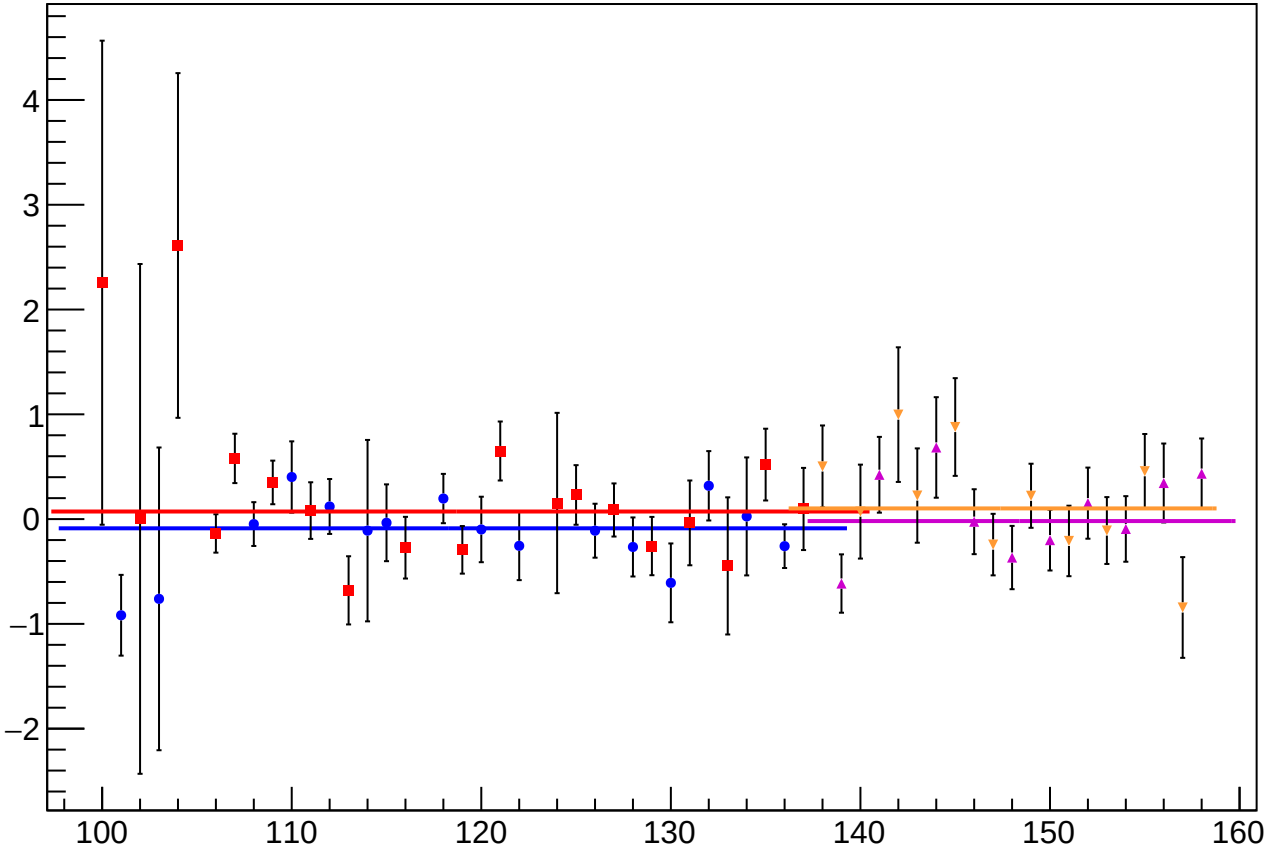
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 228.477+/-0.044 χ^2/NDF:3265159.1/25

Out: 208.808+/-0.042 χ^2/NDF:6088158.4/29

All: 218.316+/-0.030 χ^2/NDF: 9458305.9/55

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: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.019+/-0.104 χ^2/NDF:13.0/9

Left: 0.036+/-0.077 χ^2/NDF: 27.1/20

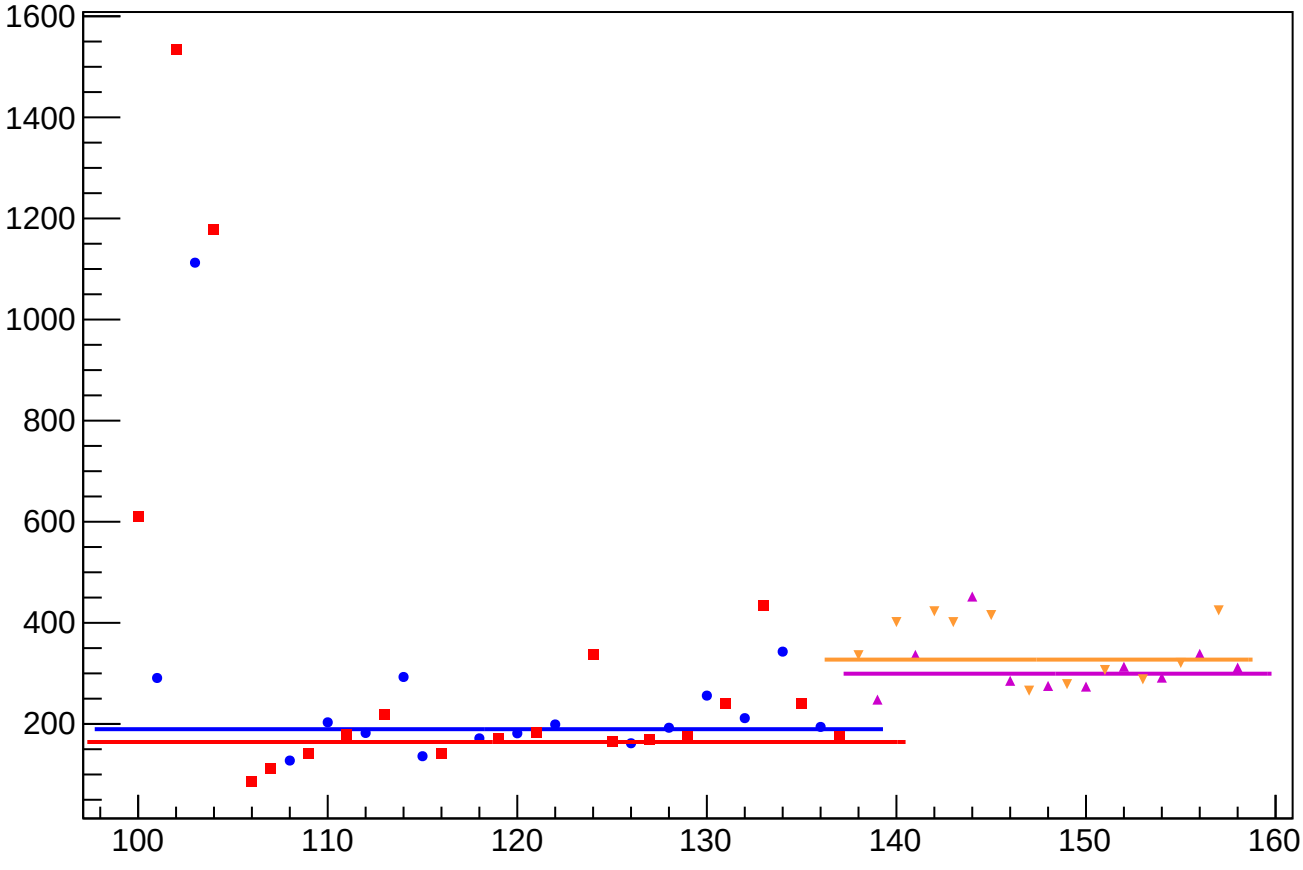
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.063+/-0.062 χ^2/NDF:27.2/25

Out: 0.080+/-0.060 χ^2/NDF:42.2/29

All: 0.011+/-0.043 χ^2/NDF: 72.2/55

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: 327.277+/-0.081 χ^2/NDF:483952.6/10

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 299.393+/-0.073 χ^2/NDF:352520.0/9

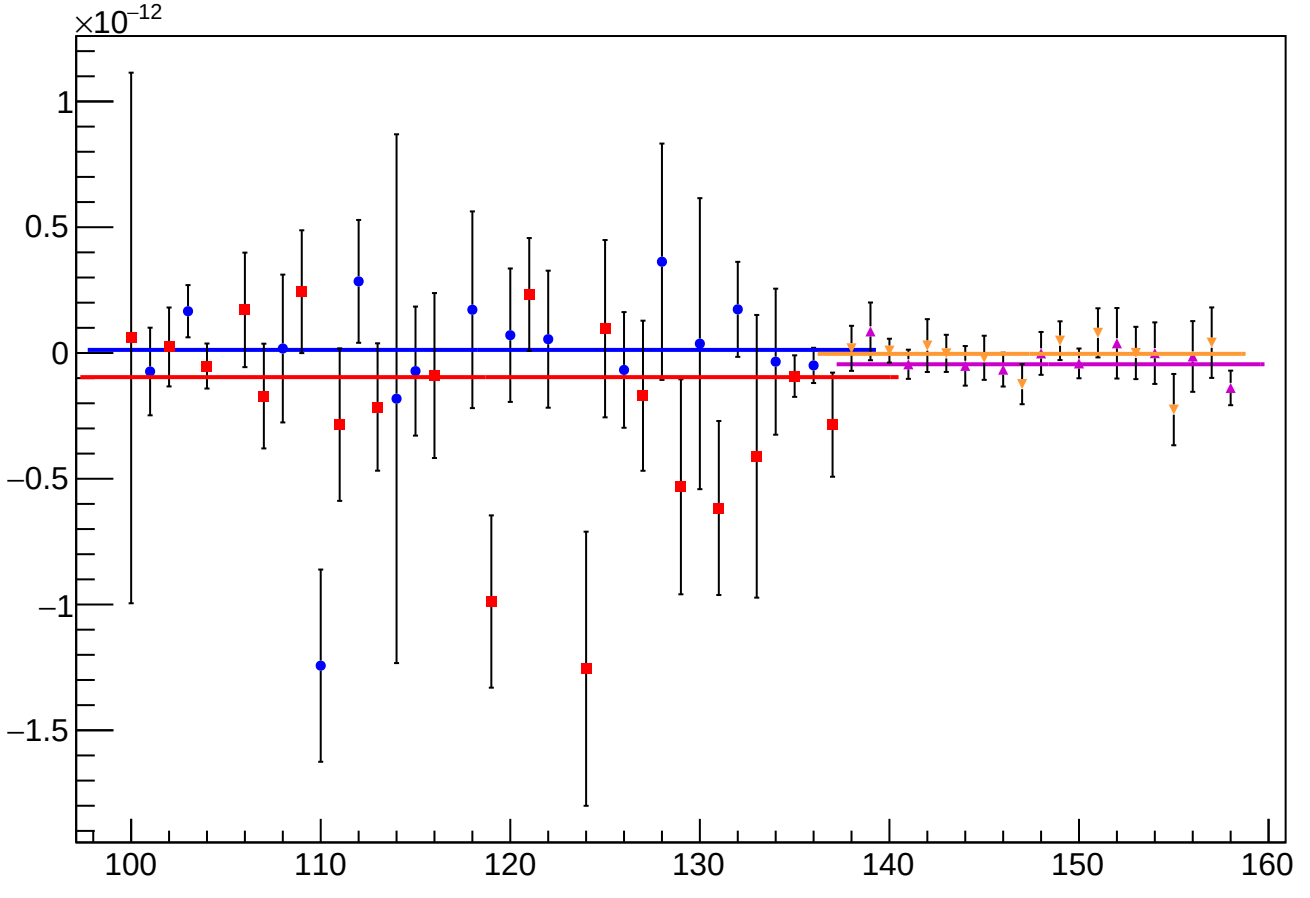
Left: 311.996+/-0.054 χ^2/NDF: 901807.9/20

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 228.477+/-0.044 χ^2/NDF:3265159.1/25

Out: 208.808+/-0.042 χ^2/NDF:6088158.4/29

All: 218.316+/-0.030 χ^2/NDF: 9458305.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/9

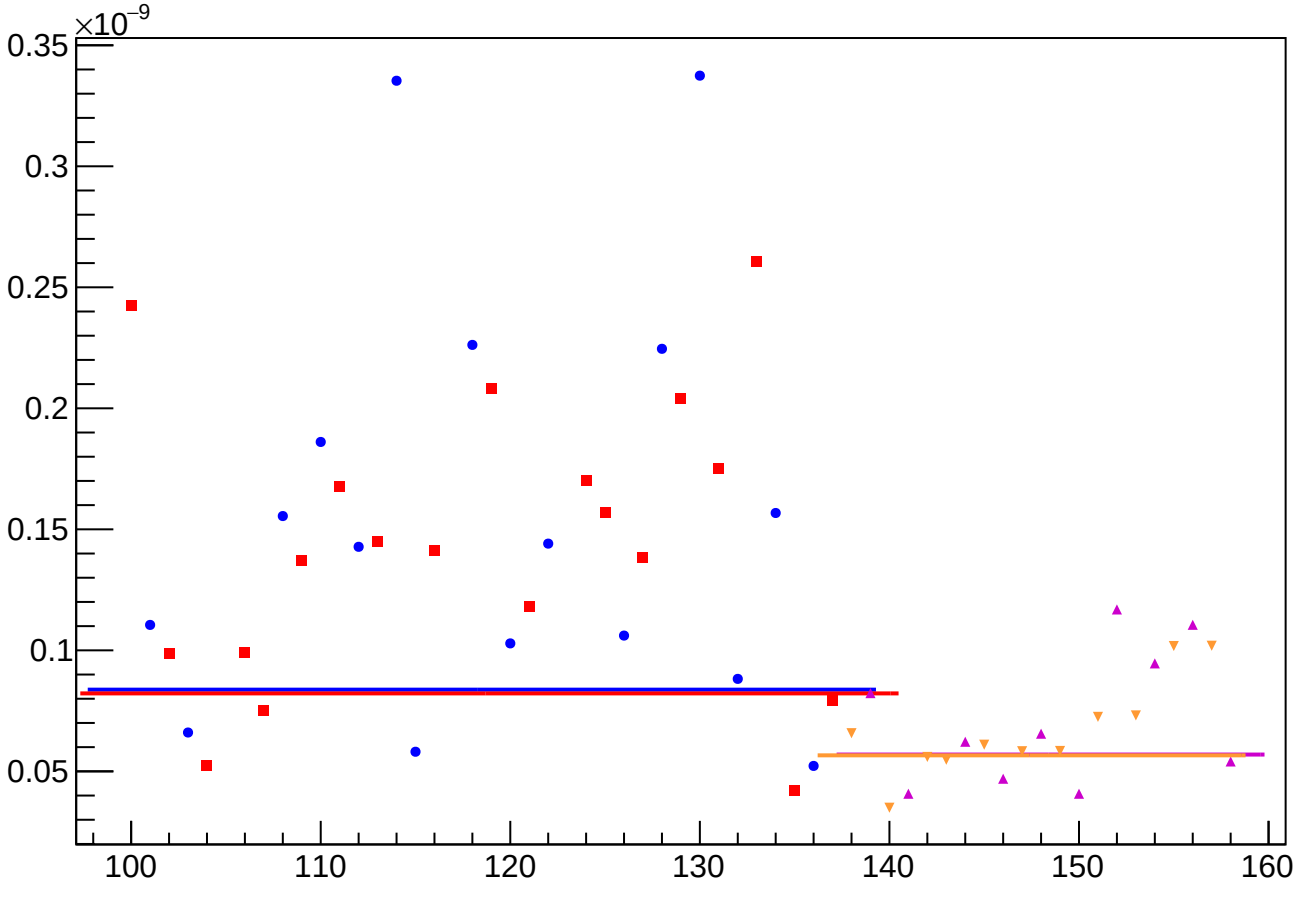
Left: -0.000+/-0.000 χ^2/NDF: 11.7/20

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:22.3/25

Out: -0.000+/-0.000 χ^2/NDF:32.7/29

All: -0.000+/-0.000 χ^2/NDF: 55.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:961682.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1326920.0/9

Left: 0.000+/-0.000 χ^2/NDF: 2288766.1/20

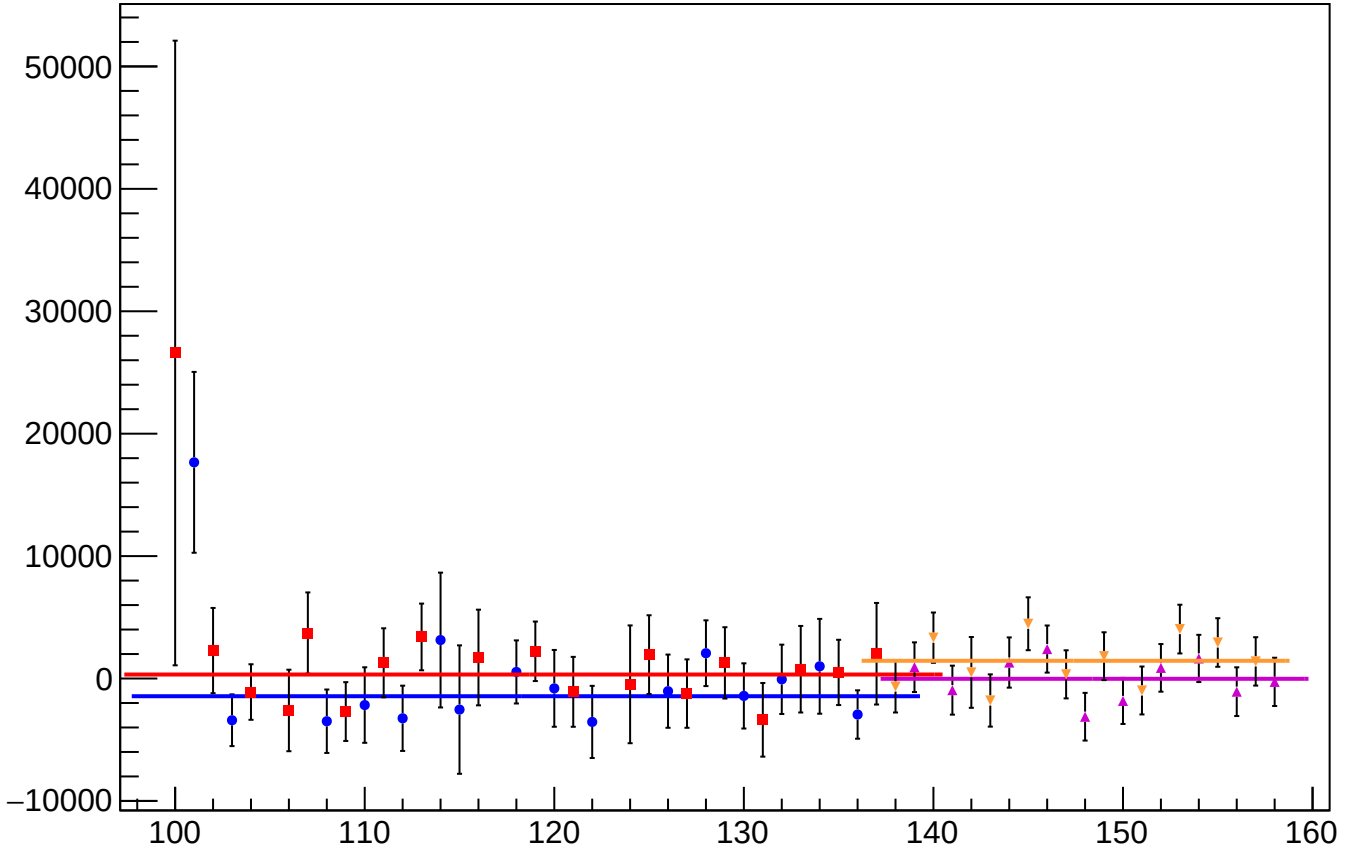
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:3965119.6/25

Out: 0.000+/-0.000 χ^2/NDF:3731919.1/29

All: 0.000+/-0.000 χ^2/NDF: 7697675.6/55

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1448.800+/-625.300 χ^2/NDF:10.4/10

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -24.148+/-621.525 χ^2/NDF:7.1/9

Left: 707.865+/-440.813 χ^2/NDF: 20.3/20

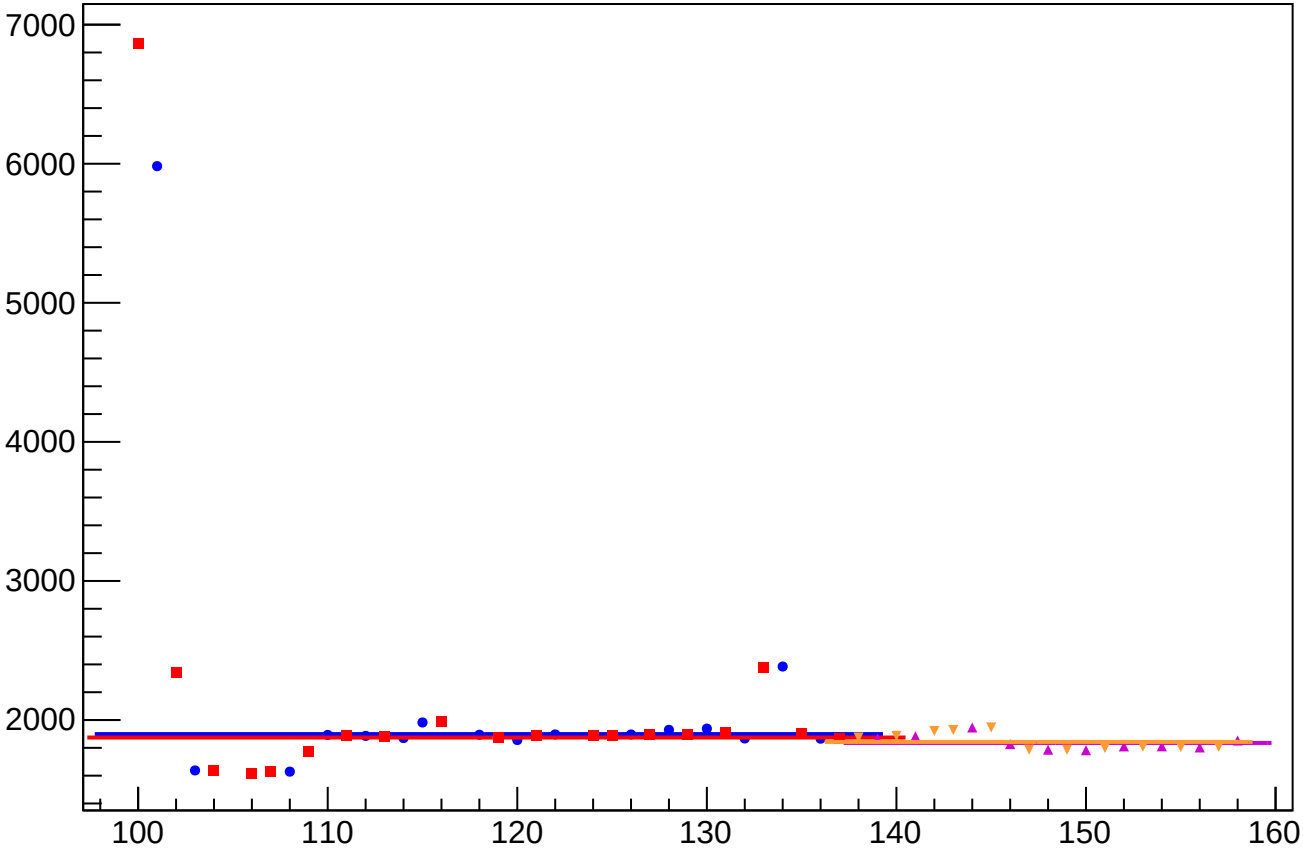
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -628.468+/-471.352 χ^2/NDF:22.9/25

Out: 952.537+/-467.116 χ^2/NDF:21.7/29

All: 169.170+/-331.788 χ^2/NDF: 50.3/55

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1842.618+/-0.442 χ^2/NDF:16812.2/10

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

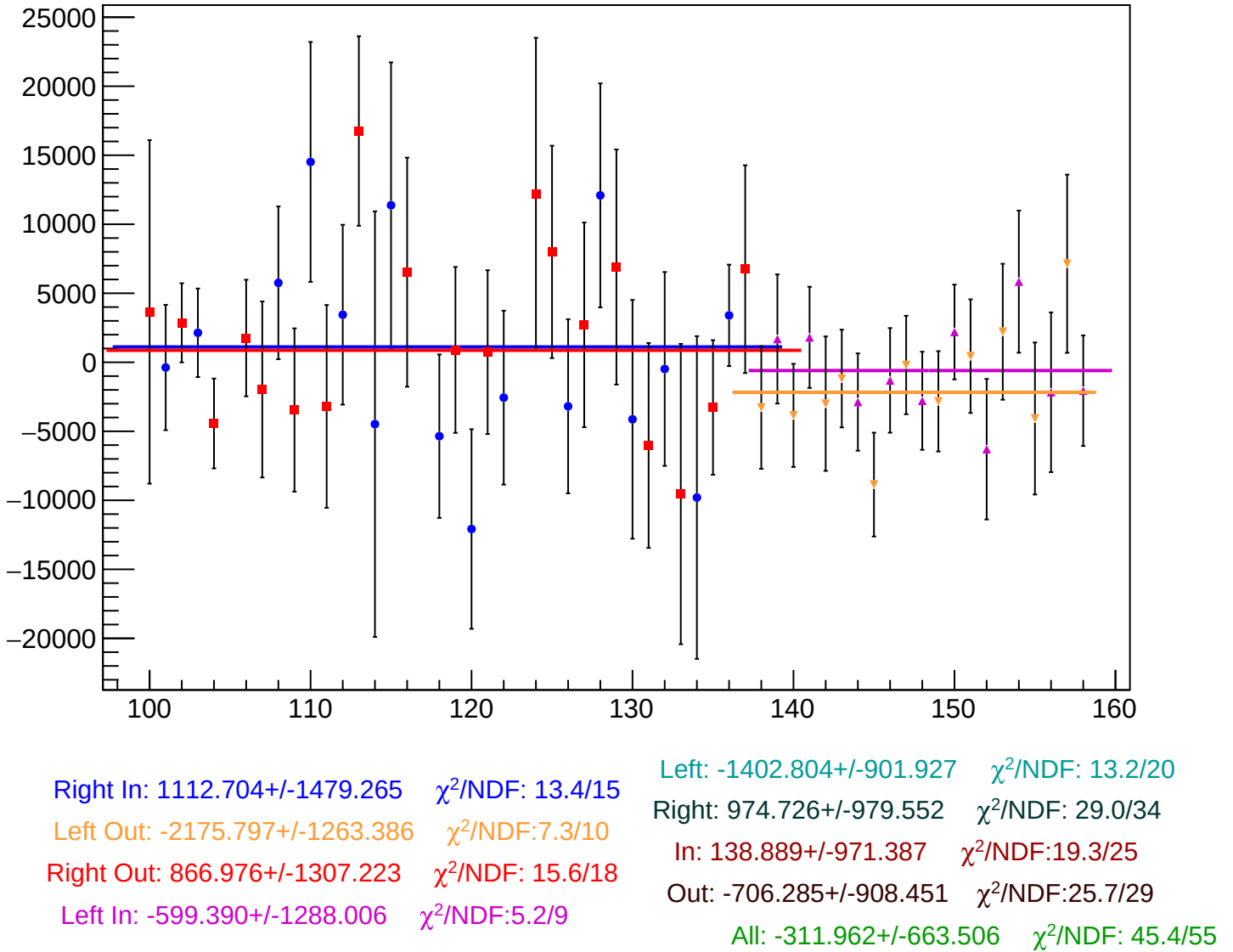
Left: 1838.918+/-0.312 χ^2/NDF: 28616.5/20

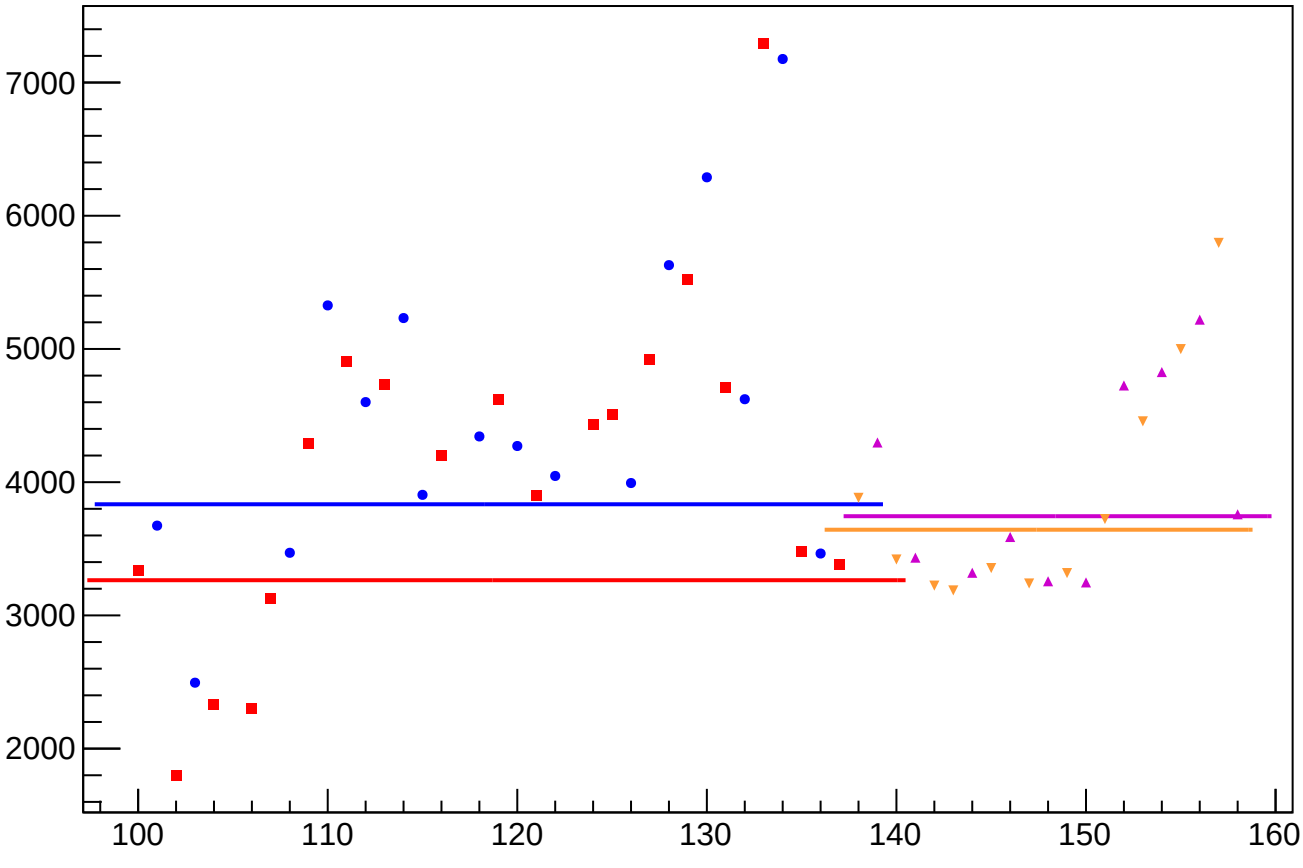
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1862.268+/-0.333 χ^2/NDF:718066.7/25

Out: 1856.651+/-0.330 χ^2/NDF:226740.6/29

All: 1859.430+/-0.234 χ^2/NDF: 944950.8/55


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -2175.797+/-1263.386 χ²/NDF:7.3/10
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -599.390+/-1288.006 χ²/NDF:5.2/9
Left: -1402.804+/-901.927 χ²/NDF: 13.2/20
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 138.889+/-971.387 χ²/NDF:19.3/25
Out: -706.285+/-908.451 χ²/NDF:25.7/29
All: -311.962+/-663.506 χ²/NDF: 45.4/55



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3643.113+/-0.893 χ^2/NDF:513455.8/10

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3744.563+/-0.911 χ^2/NDF:447215.8/9

Left: 3692.859+/-0.638 χ^2/NDF: 966995.3/20

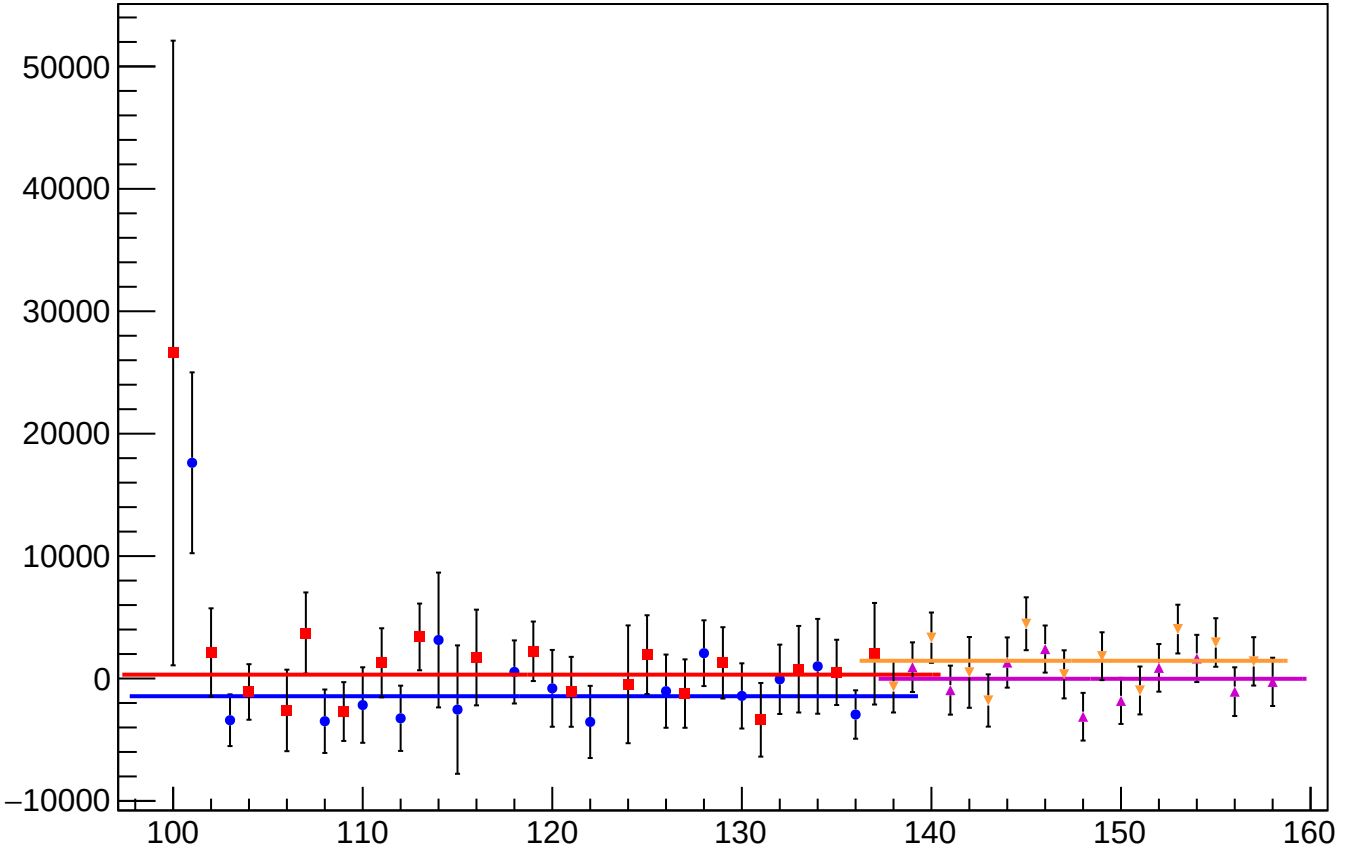
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3783.200+/-0.687 χ^2/NDF:1408165.0/25

Out: 3460.073+/-0.642 χ^2/NDF:2464622.6/29

All: 3610.831+/-0.469 χ^2/NDF: 3990841.2/55

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1448.923+/-625.300 χ^2/NDF:10.4/10

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -24.164+/-621.525 χ^2/NDF:7.1/9

Left: 707.918+/-440.813 χ^2/NDF: 20.3/20

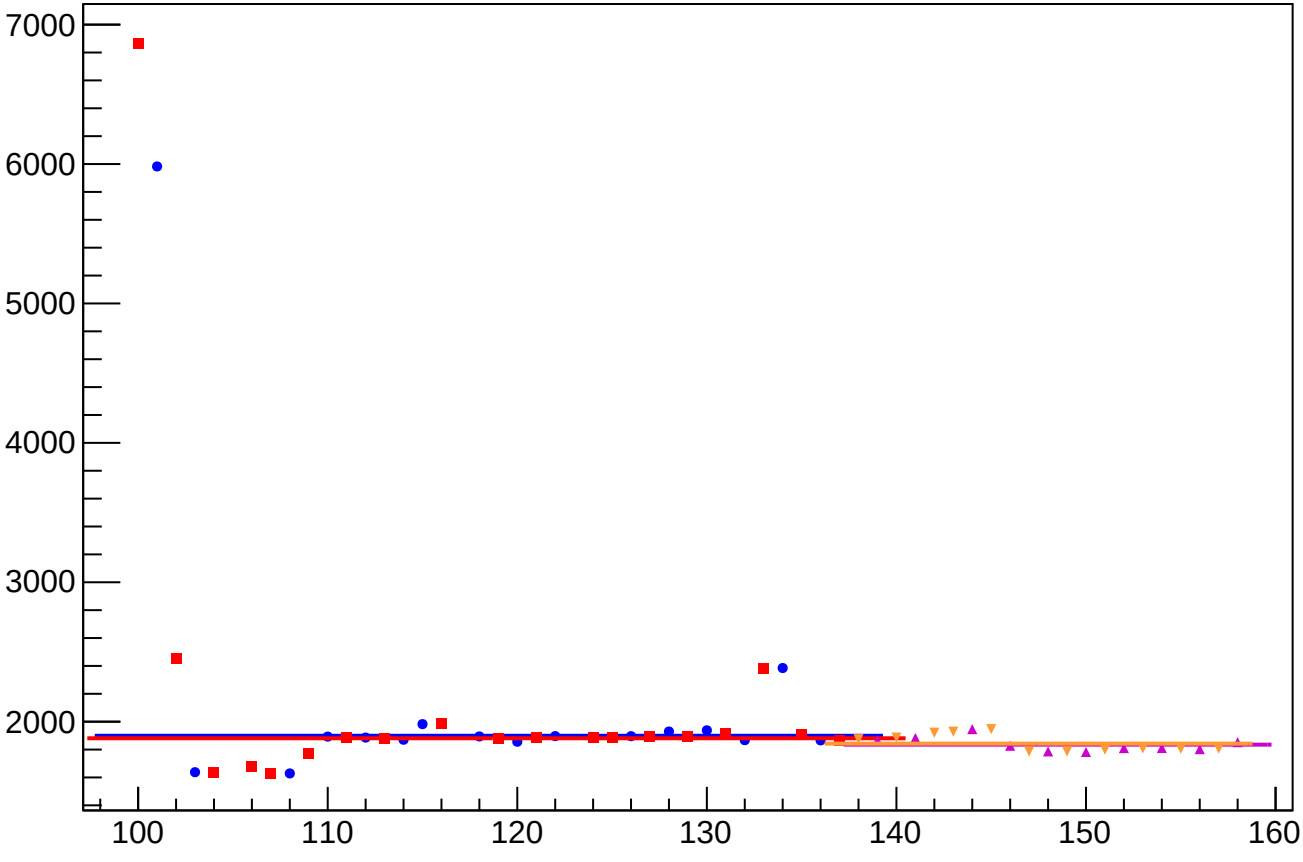
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -628.641+/-471.352 χ^2/NDF:22.8/25

Out: 948.742+/-467.394 χ^2/NDF:21.7/29

All: 166.700+/-331.888 χ^2/NDF: 50.2/55

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1842.618+/-0.442 χ^2/NDF:16812.2/10

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

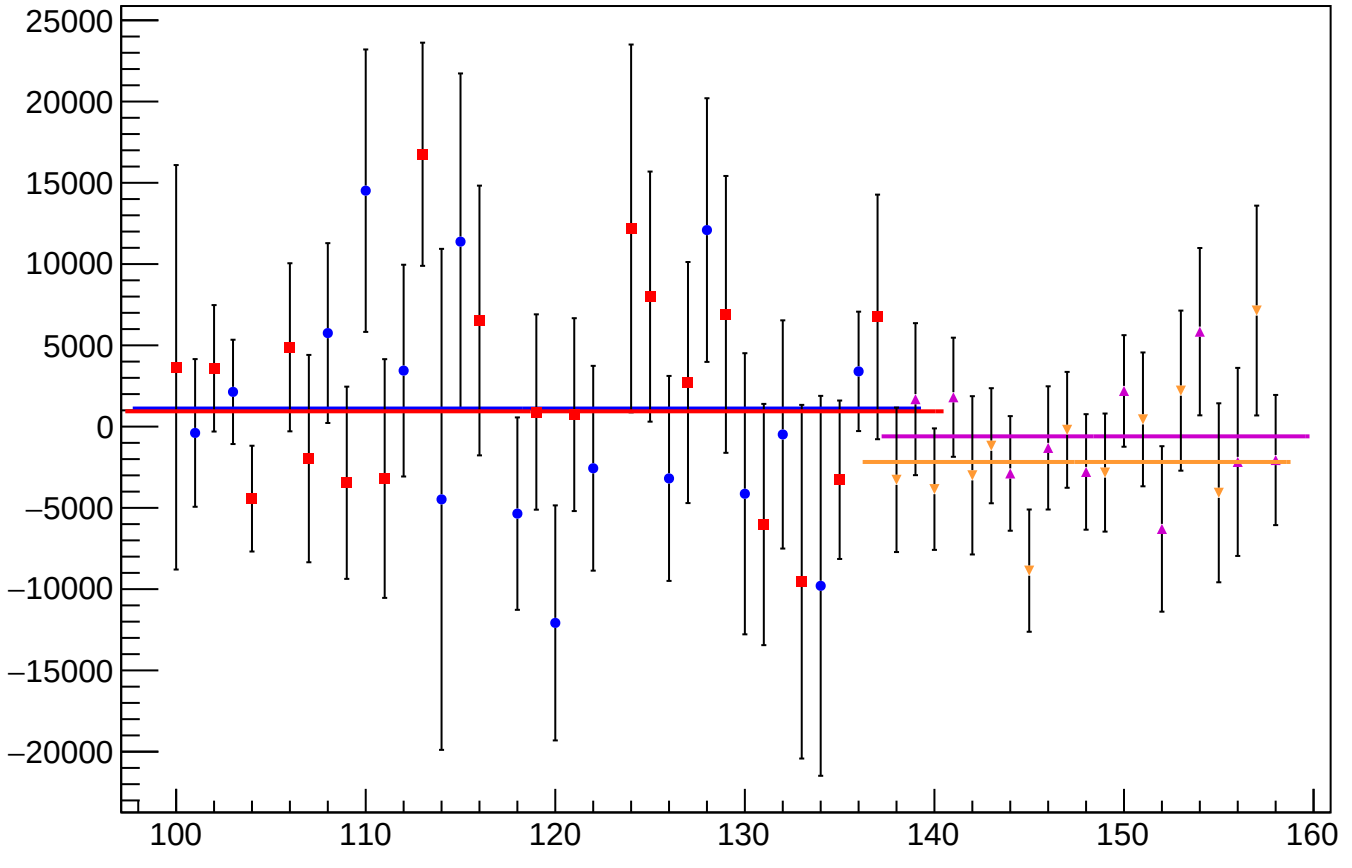
Left: 1838.918+/-0.312 χ^2/NDF: 28616.5/20

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1862.268+/-0.333 χ^2/NDF:718066.8/25

Out: 1859.587+/-0.330 χ^2/NDF:236708.8/29

All: 1860.916+/-0.235 χ^2/NDF: 954808.2/55



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2175.758+/-1263.385 χ^2/NDF:7.3/10

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -599.527+/-1288.004 χ^2/NDF:5.2/9

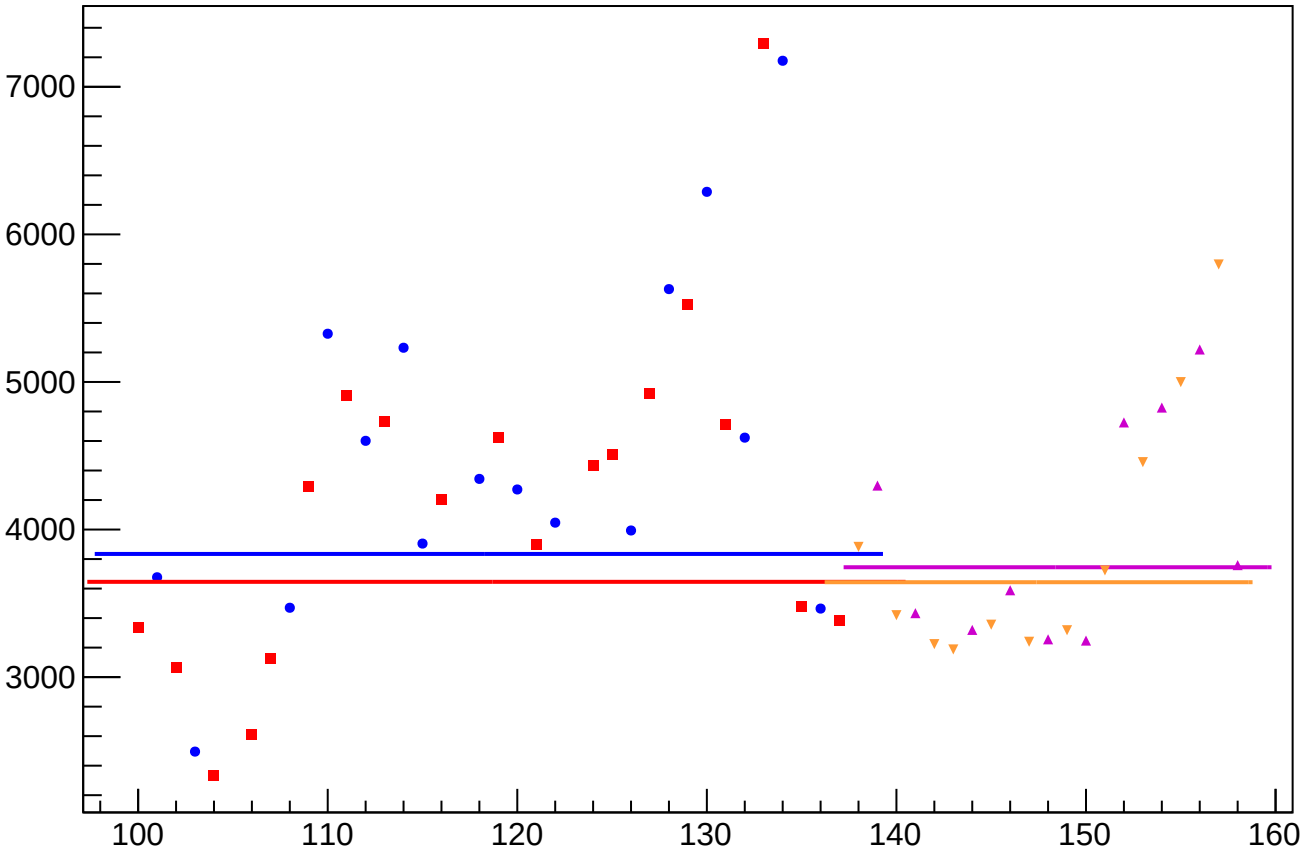
Left: -1402.850+/-901.926 χ^2/NDF: 13.2/20

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 138.206+/-971.435 χ^2/NDF:19.3/25

Out: -775.849+/-937.635 χ^2/NDF:26.2/29

All: -334.999+/-674.641 χ^2/NDF: 46.0/55



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3643.112+/-0.893 χ^2/NDF:513456.9/10

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3744.556+/-0.911 χ^2/NDF:447225.5/9

Left: 3692.855+/-0.638 χ^2/NDF: 967005.4/20

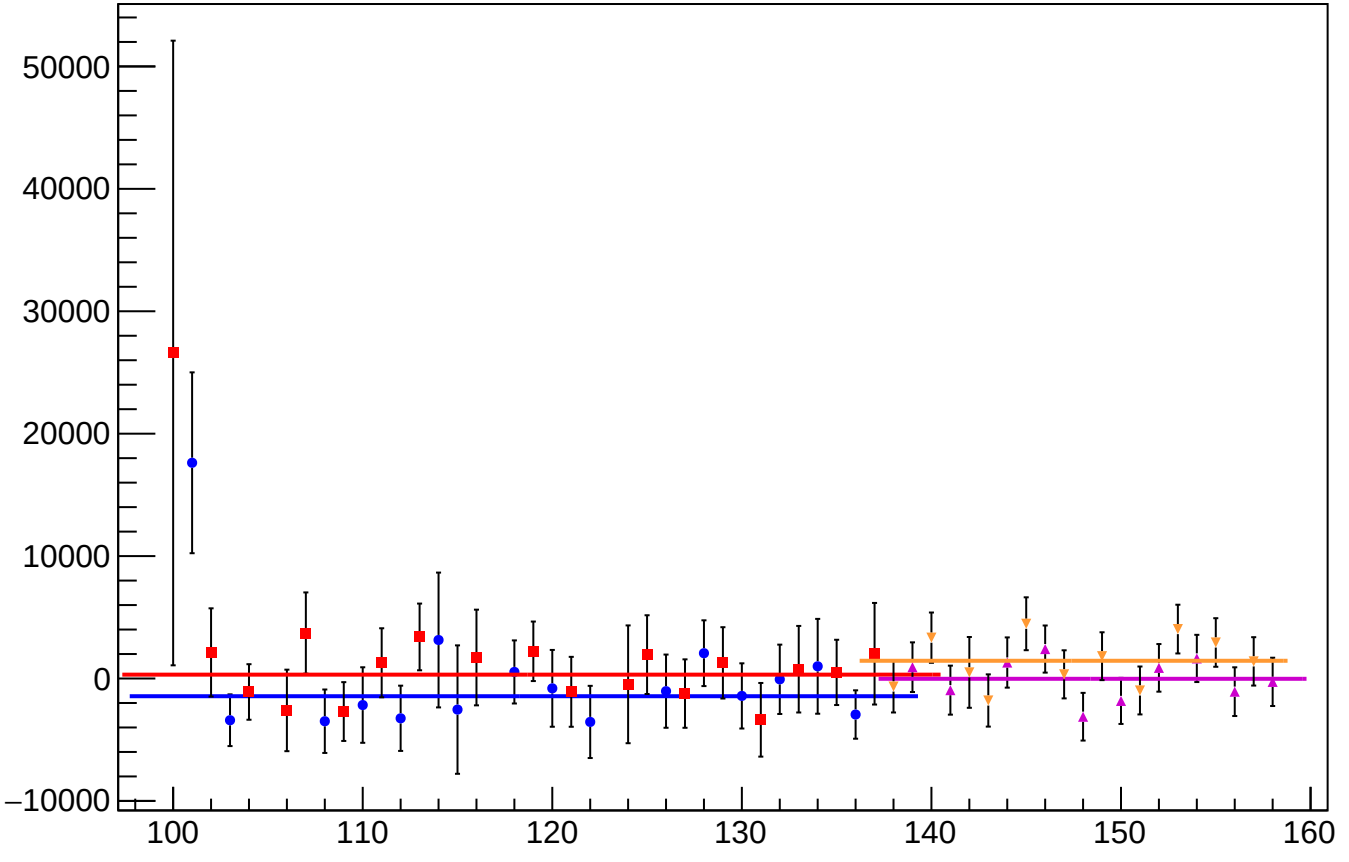
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3783.418+/-0.687 χ^2/NDF:1407760.5/25

Out: 3644.270+/-0.663 χ^2/NDF:1638442.0/29

All: 3711.381+/-0.477 χ^2/NDF: 3067446.5/55

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1448.923+/-625.300 χ^2/NDF:10.4/10

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -24.164+/-621.525 χ^2/NDF:7.1/9

Left: 707.918+/-440.813 χ^2/NDF: 20.3/20

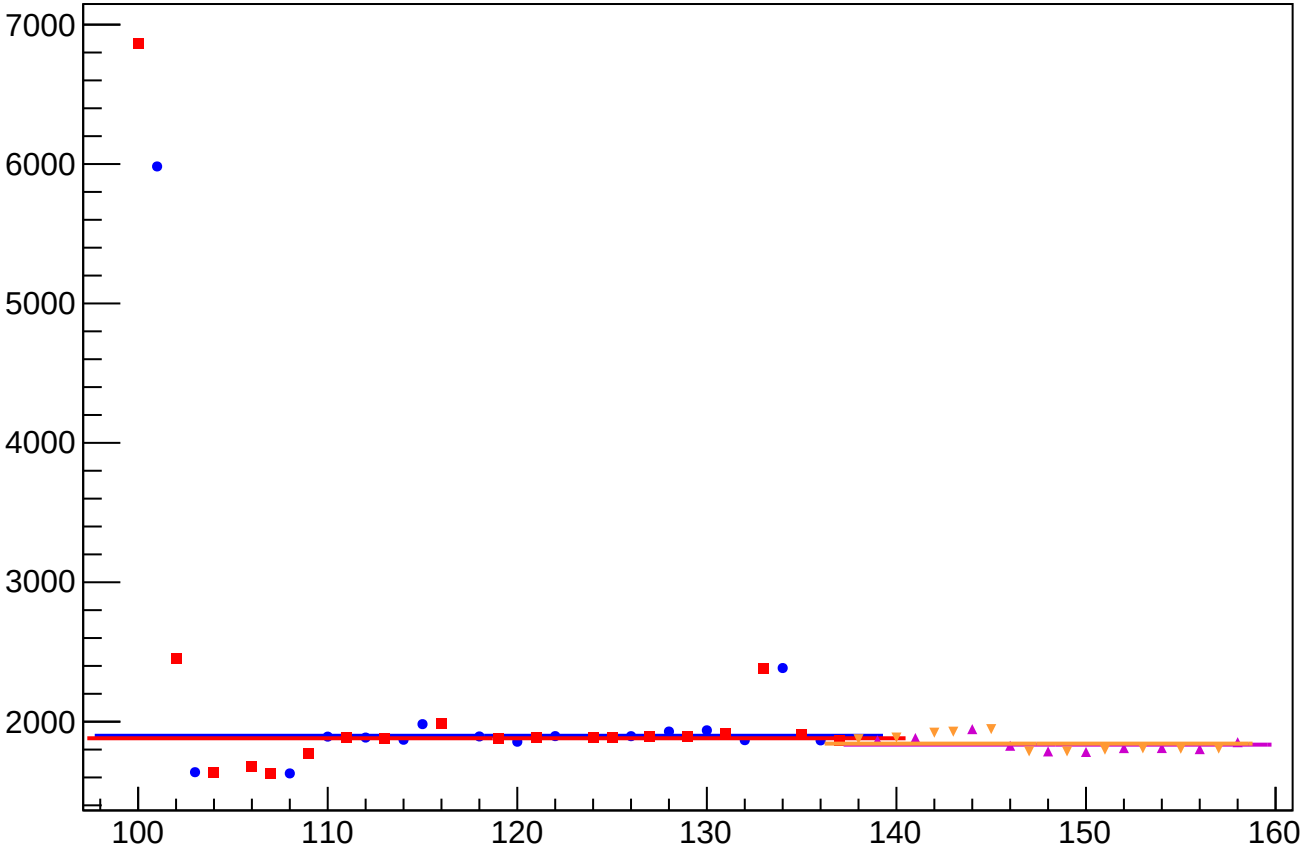
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -628.641+/-471.352 χ^2/NDF:22.8/25

Out: 948.742+/-467.394 χ^2/NDF:21.7/29

All: 166.700+/-331.888 χ^2/NDF: 50.2/55

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1842.618+/-0.442 χ^2/NDF:16812.2/10

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

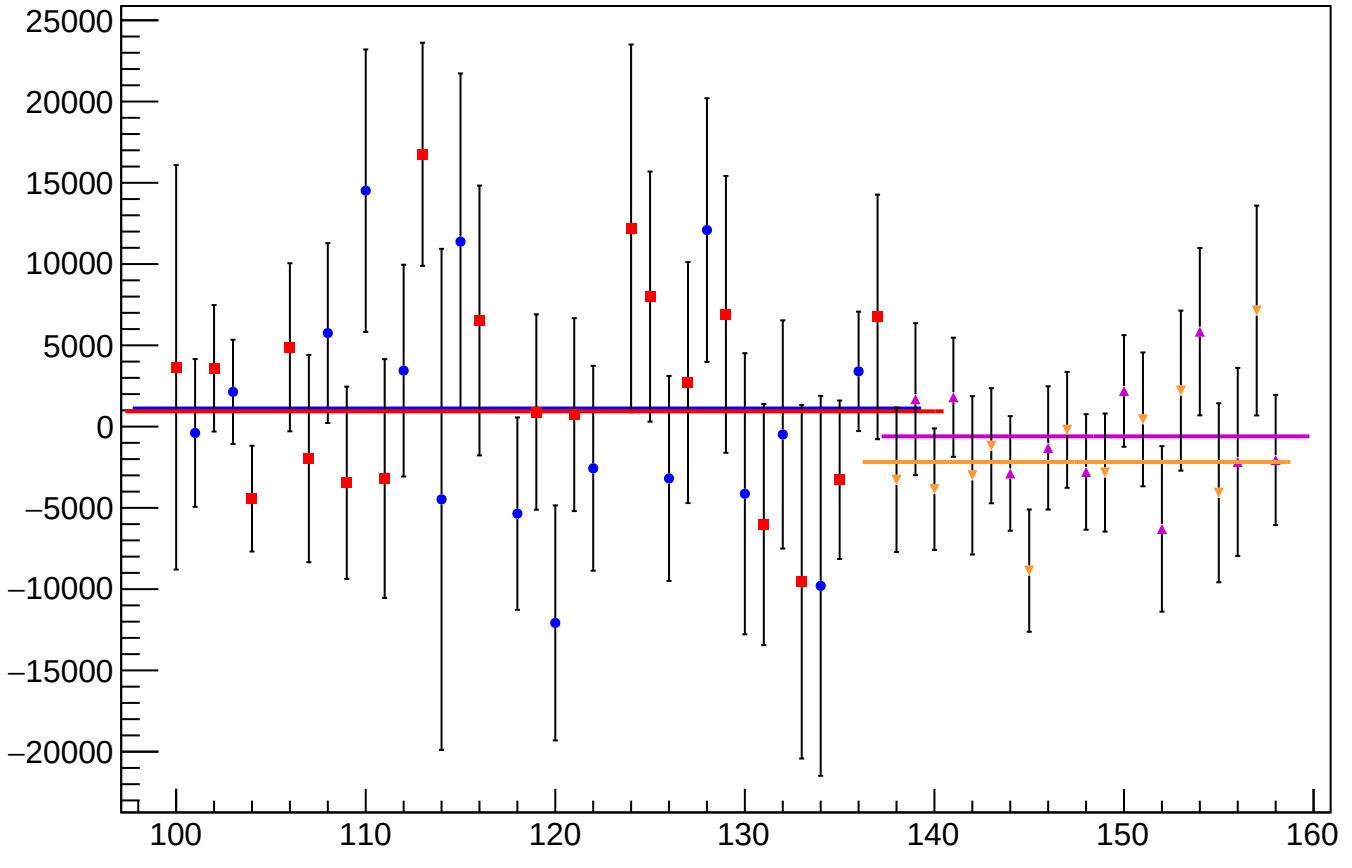
Left: 1838.918+/-0.312 χ^2/NDF: 28616.5/20

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1862.268+/-0.333 χ^2/NDF:718066.8/25

Out: 1859.587+/-0.330 χ^2/NDF:236708.8/29

All: 1860.916+/-0.235 χ^2/NDF: 954808.2/55



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2175.758+/-1263.385 χ^2/NDF:7.3/10

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -599.527+/-1288.004 χ^2/NDF:5.2/9

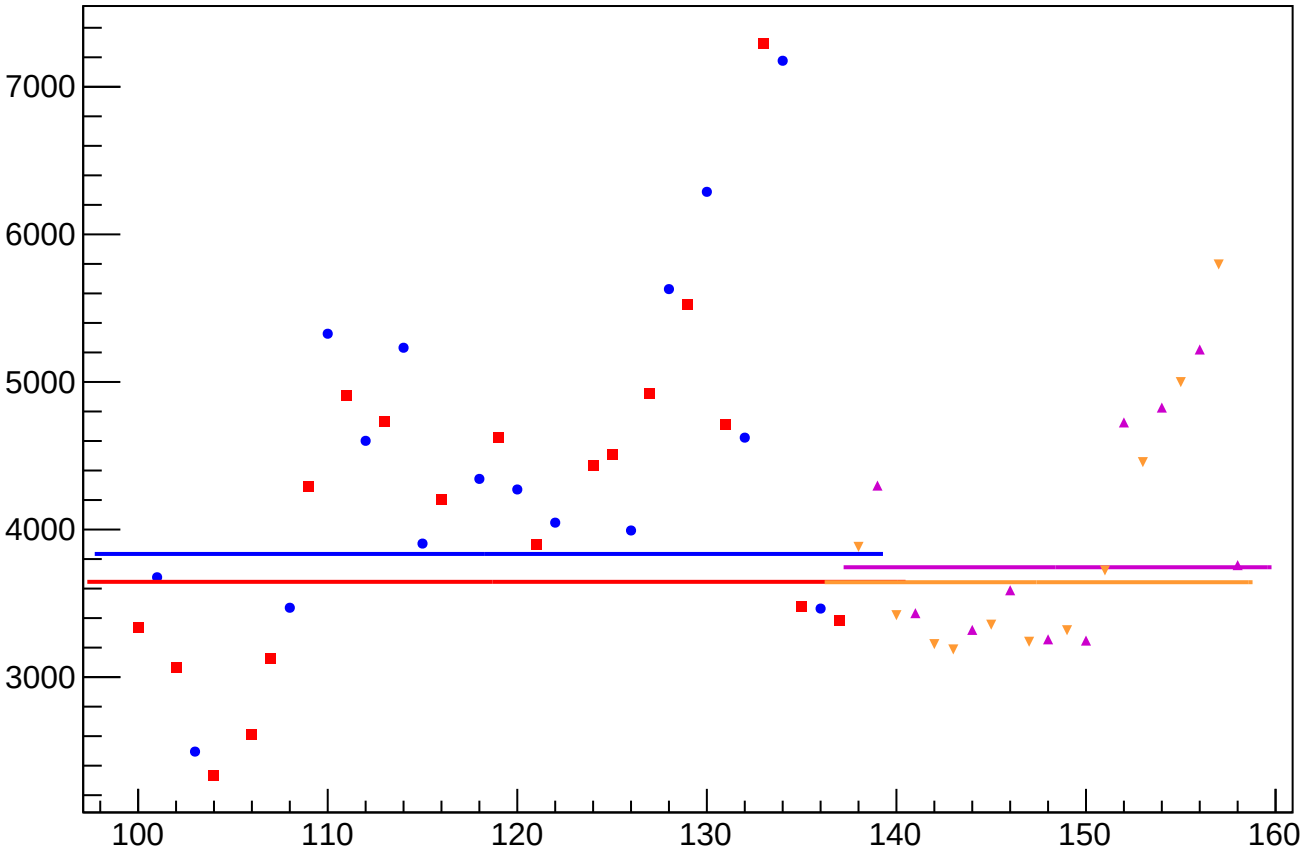
Left: -1402.850+/-901.926 χ^2/NDF: 13.2/20

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 138.206+/-971.435 χ^2/NDF:19.3/25

Out: -775.849+/-937.635 χ^2/NDF:26.2/29

All: -334.999+/-674.641 χ^2/NDF: 46.0/55



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3643.112+/-0.893 χ^2/NDF:513456.9/10

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3744.556+/-0.911 χ^2/NDF:447225.5/9

Left: 3692.855+/-0.638 χ^2/NDF: 967005.4/20

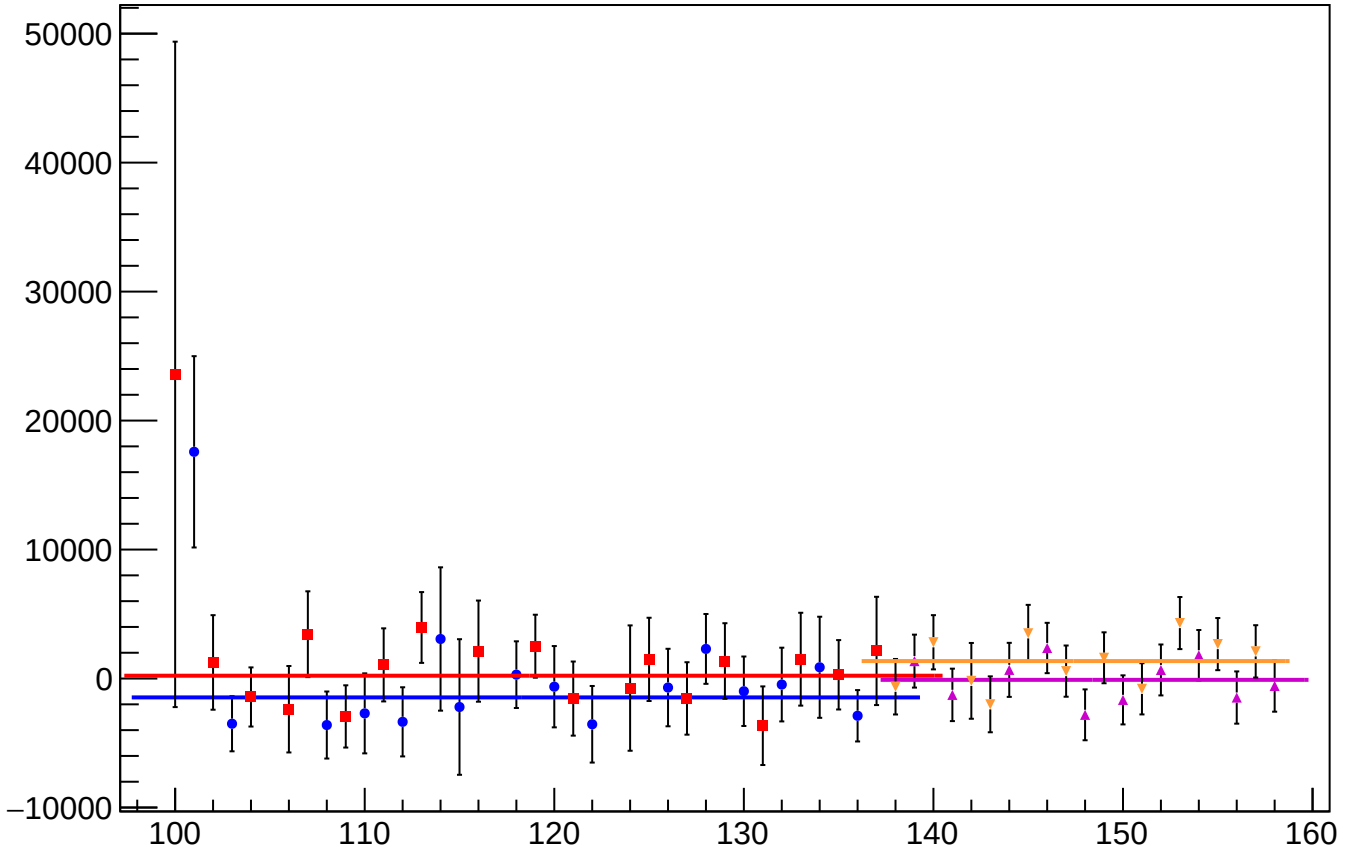
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3783.418+/-0.687 χ^2/NDF:1407760.5/25

Out: 3644.270+/-0.663 χ^2/NDF:1638442.0/29

All: 3711.381+/-0.477 χ^2/NDF: 3067446.5/55

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1354.806+/-635.826 χ^2/NDF:9.0/10

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -101.248+/-630.691 χ^2/NDF:6.7/9

Left: 620.877+/-447.770 χ^2/NDF: 18.4/20

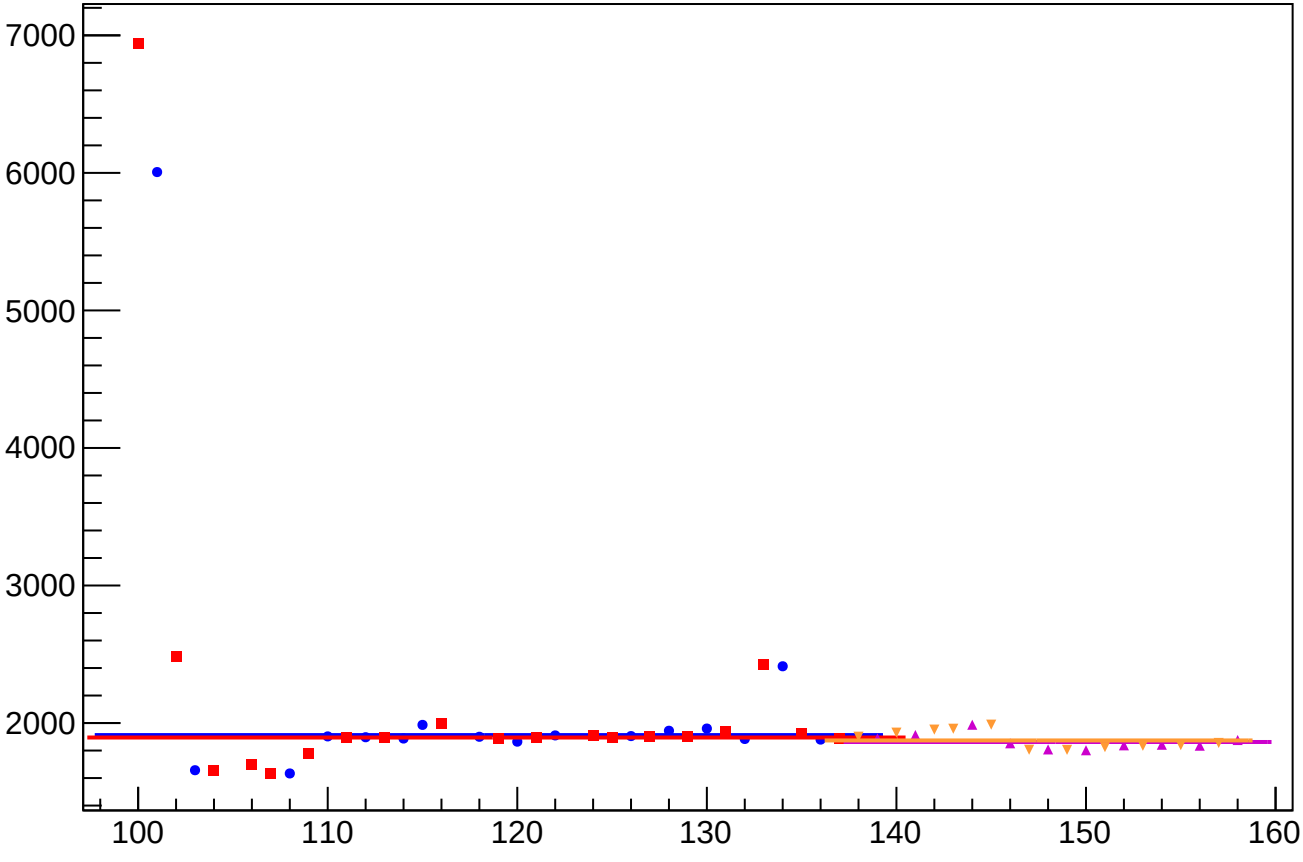
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -684.688+/-476.762 χ^2/NDF:22.3/25

Out: 848.728+/-473.316 χ^2/NDF:21.2/29

All: 87.582+/-335.896 χ^2/NDF: 48.7/55

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1873.472+/-0.450 χ^2/NDF:19099.9/10

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1862.227+/-0.446 χ^2/NDF:13255.3/9

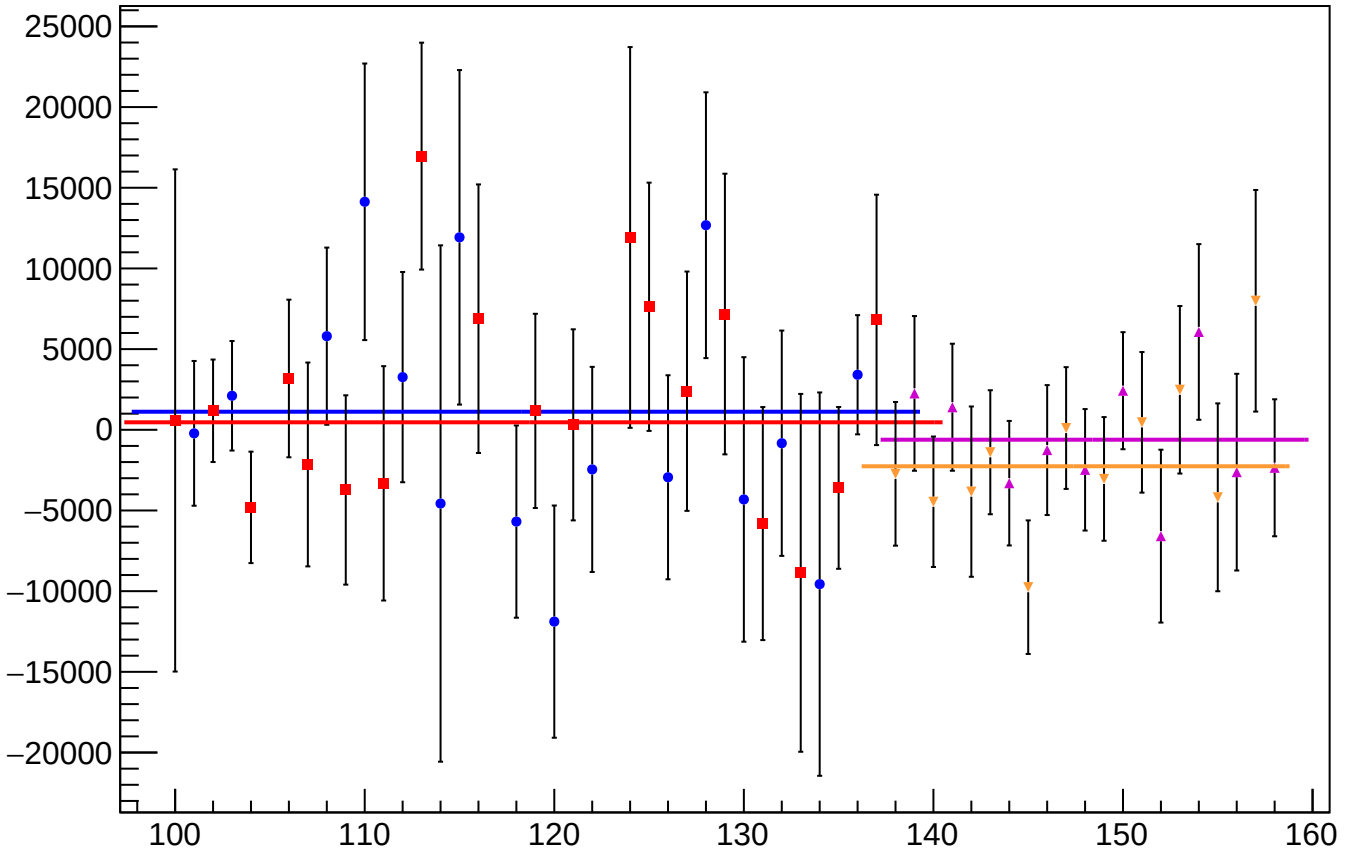
Left: 1867.804+/-0.317 χ^2/NDF: 32670.5/20

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1883.720+/-0.337 χ^2/NDF:714895.1/25

Out: 1882.977+/-0.335 χ^2/NDF:239882.6/29

All: 1883.346+/-0.237 χ^2/NDF: 954780.1/55



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2260.323+/-1345.327 χ^2/NDF:7.7/10

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -614.317+/-1367.807 χ^2/NDF:5.1/9

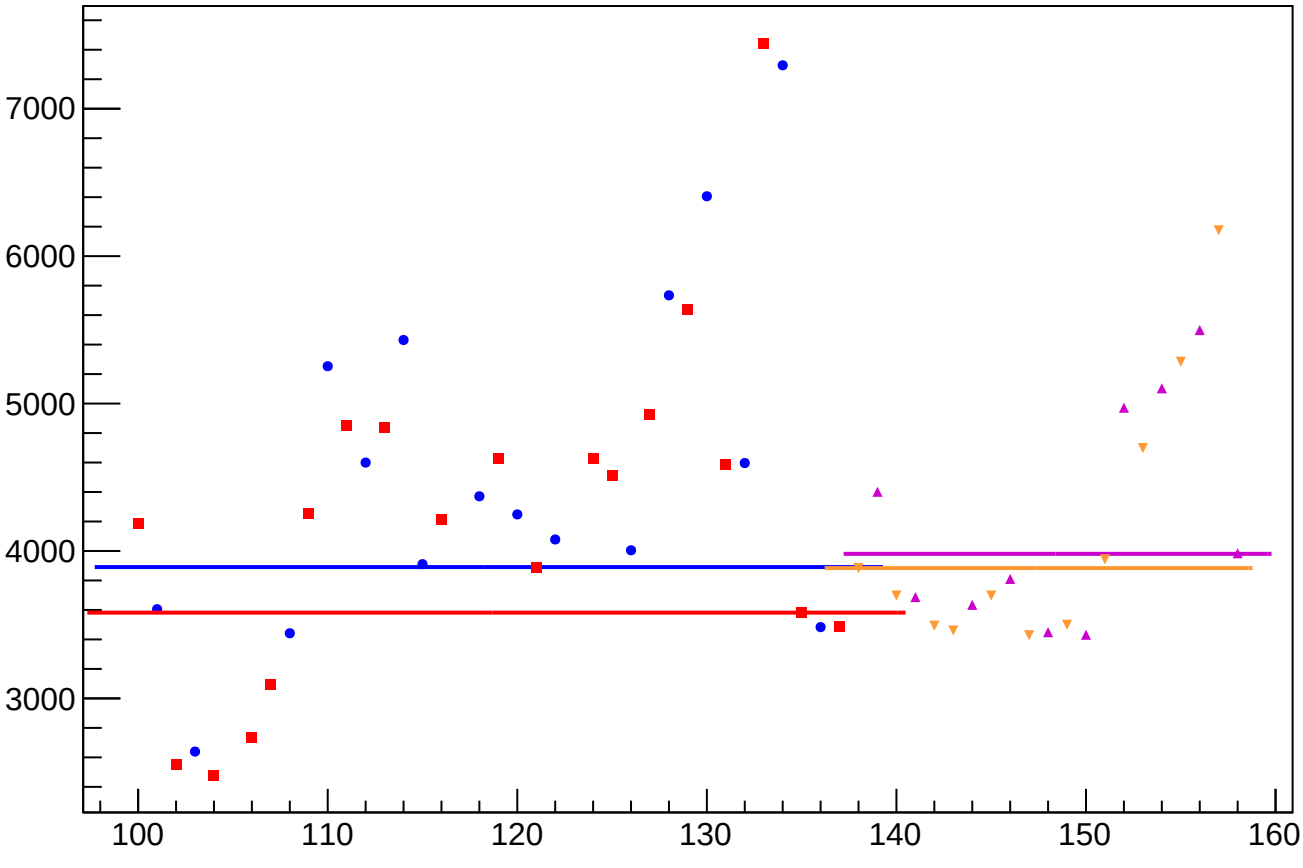
Left: -1450.957+/-959.139 χ^2/NDF: 13.6/20

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 174.482+/-1009.982 χ^2/NDF:19.3/25

Out: -923.547+/-960.176 χ^2/NDF:24.8/29

All: -402.273+/-695.888 χ^2/NDF: 44.7/55



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3884.011+/-0.951 χ^2/NDF:480823.8/10

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3980.607+/-0.967 χ^2/NDF:409405.7/9

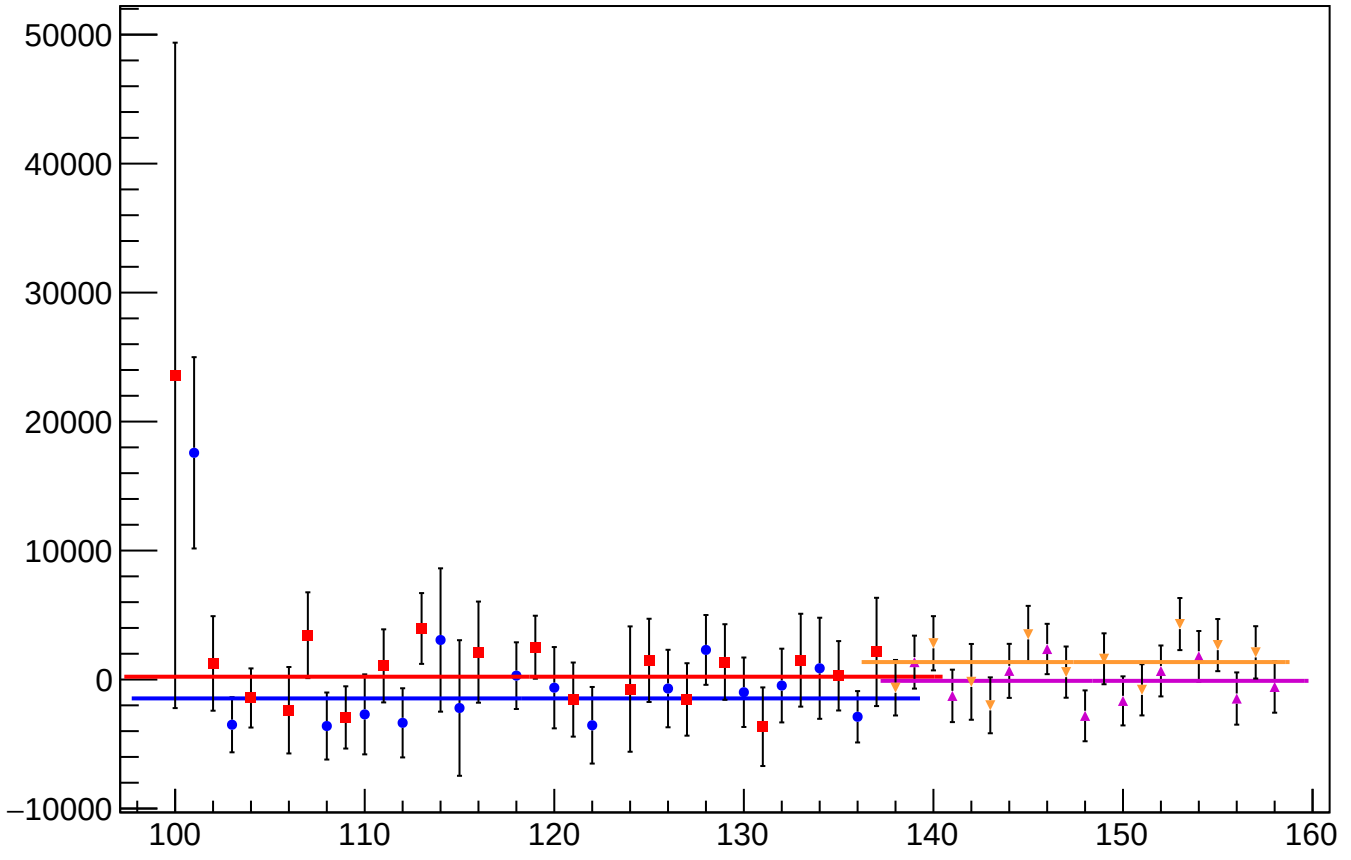
Left: 3931.508+/-0.678 χ^2/NDF: 895299.5/20

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3939.723+/-0.714 χ^2/NDF:1291752.9/25

Out: 3735.732+/-0.679 χ^2/NDF:1752200.3/29

All: 3832.574+/-0.492 χ^2/NDF: 3086808.7/55



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1354.811+/-635.826 χ^2/NDF:9.0/10

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -101.246+/-630.691 χ^2/NDF:6.7/9

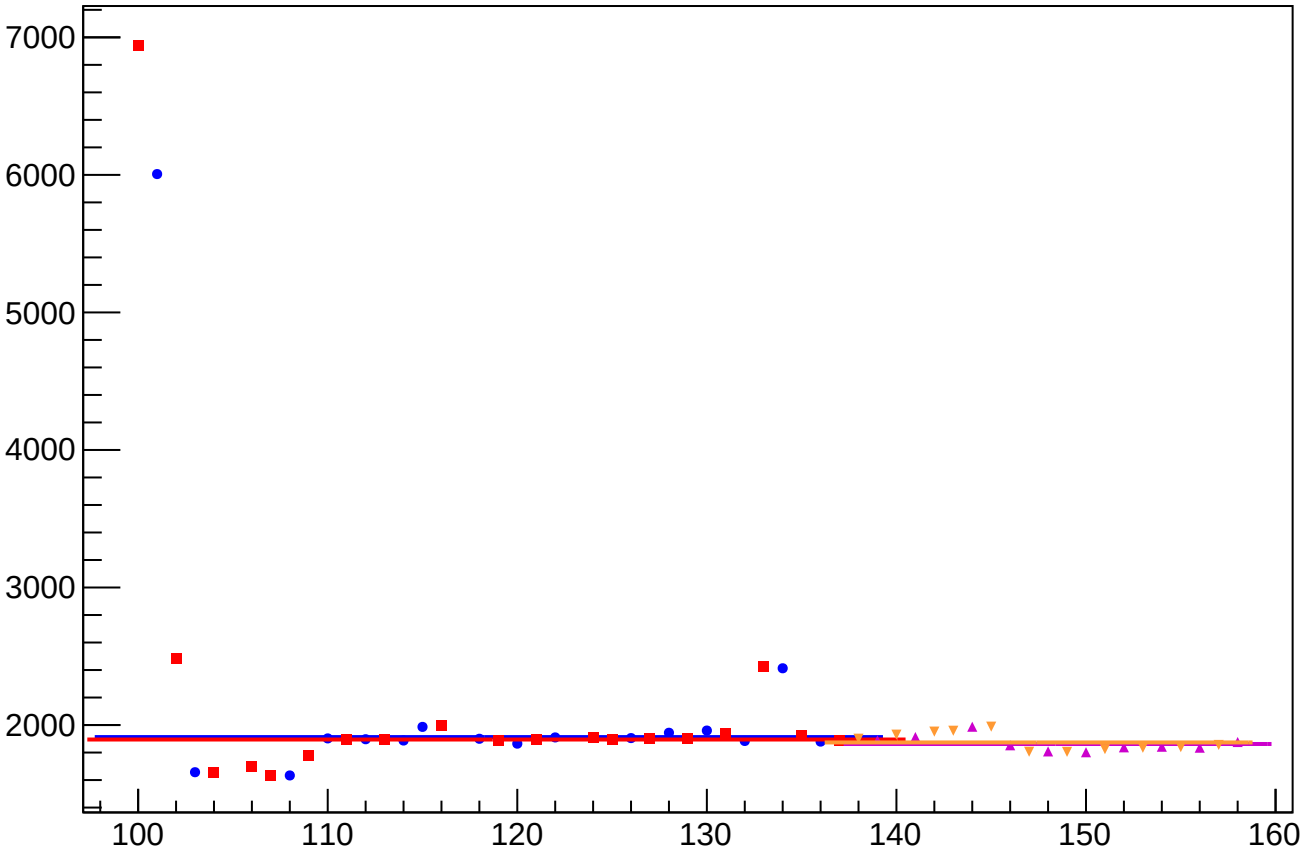
Left: 620.880+/-447.770 χ^2/NDF: 18.4/20

Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -684.690+/-476.762 χ^2/NDF:22.3/25

Out: 848.728+/-473.316 χ^2/NDF:21.2/29

All: 87.581+/-335.897 χ^2/NDF: 48.7/55



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1873.473+/-0.450 χ^2/NDF:19100.0/10

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1862.228+/-0.446 χ^2/NDF:13255.2/9

Left: 1867.805+/-0.317 χ^2/NDF: 32670.5/20

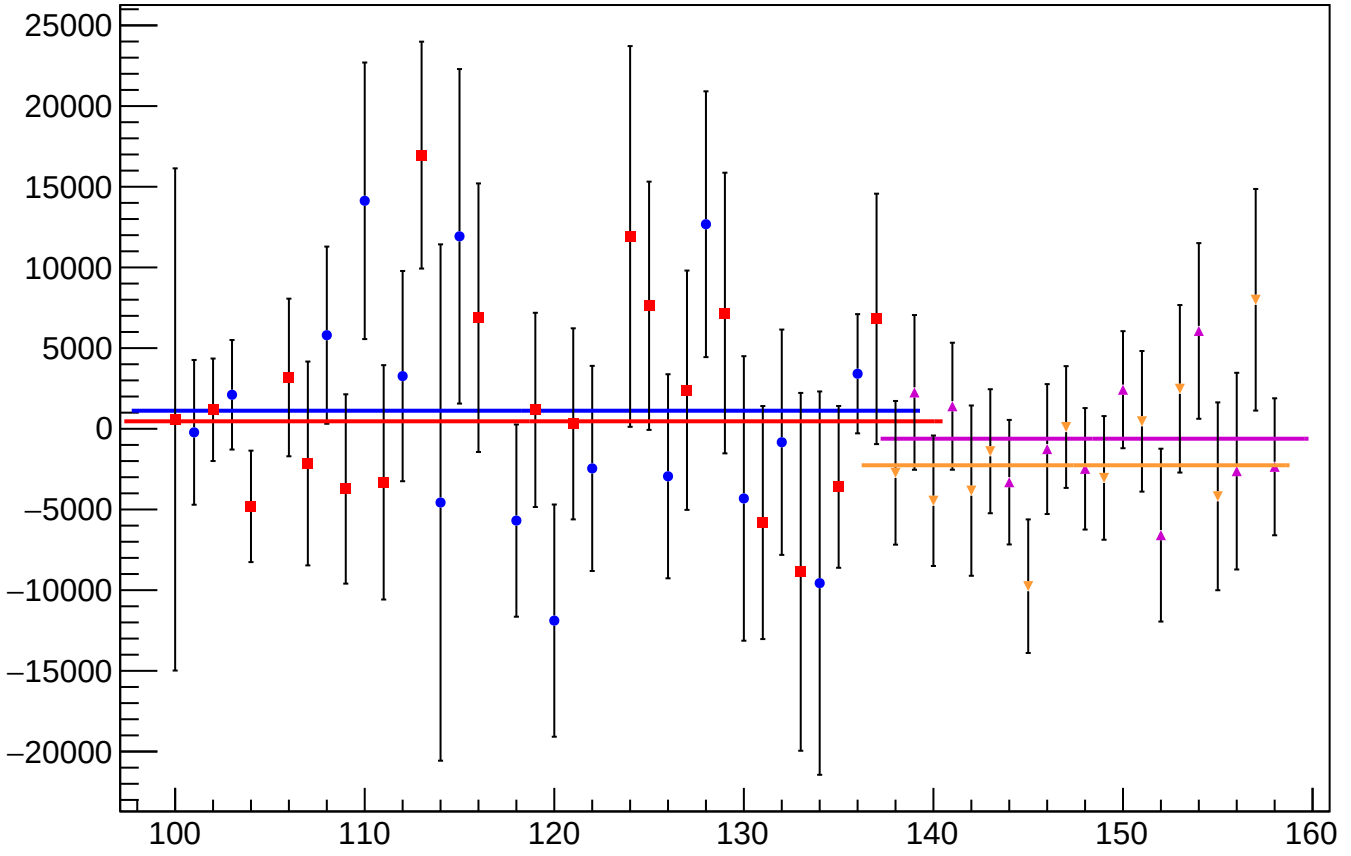
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1883.720+/-0.337 χ^2/NDF:714894.8/25

Out: 1882.977+/-0.335 χ^2/NDF:239882.6/29

All: 1883.346+/-0.237 χ^2/NDF: 954779.8/55

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: -2260.321+/-1345.329 χ^2/NDF:7.7/10

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -614.315+/-1367.808 χ^2/NDF:5.1/9

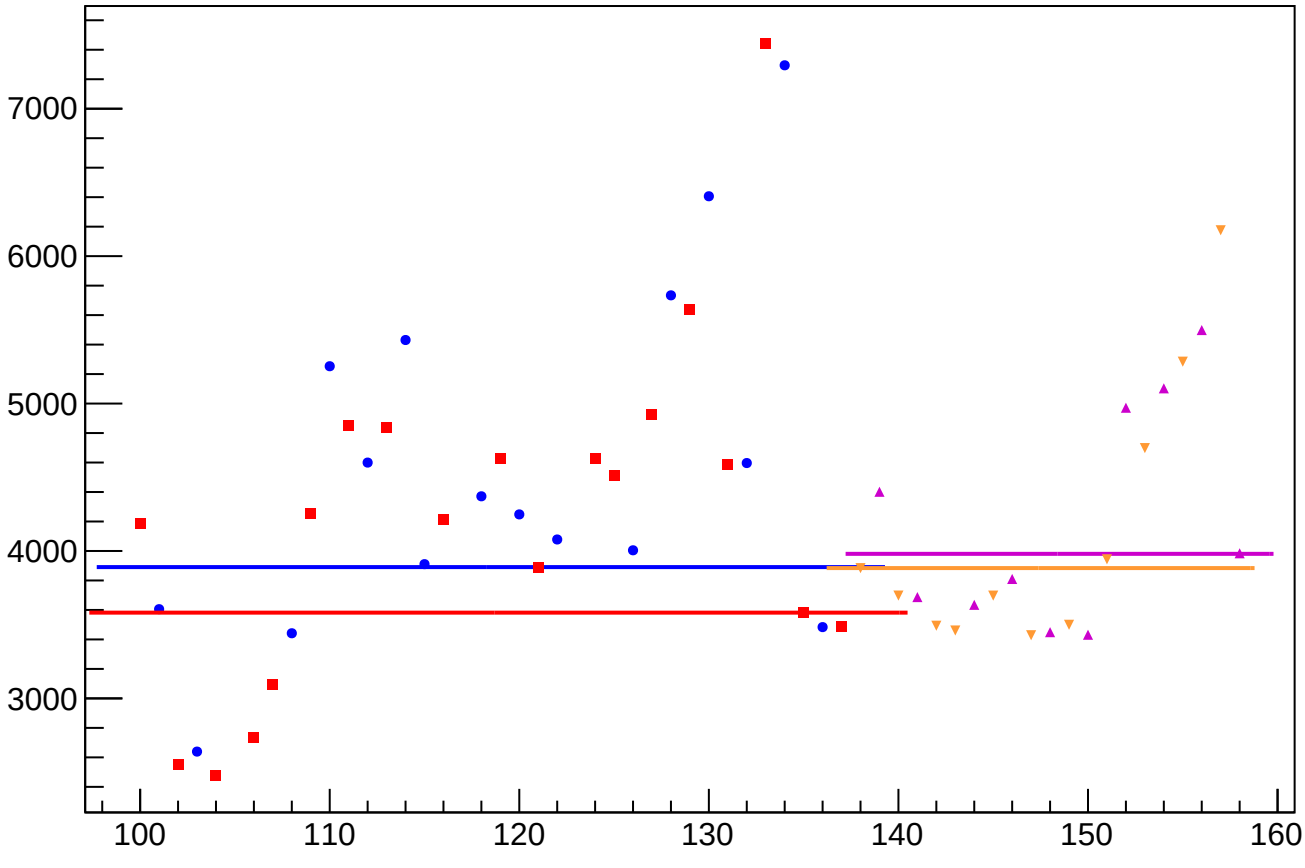
Left: -1450.955+/-959.140 χ^2/NDF: 13.6/20

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 174.478+/-1009.982 χ^2/NDF:19.3/25

Out: -923.543+/-960.176 χ^2/NDF:24.8/29

All: -402.273+/-695.888 χ^2/NDF: 44.7/55



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3884.016+/-0.951 χ^2/NDF:480822.3/10

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3980.612+/-0.967 χ^2/NDF:409404.4/9

Left: 3931.514+/-0.678 χ^2/NDF: 895296.7/20

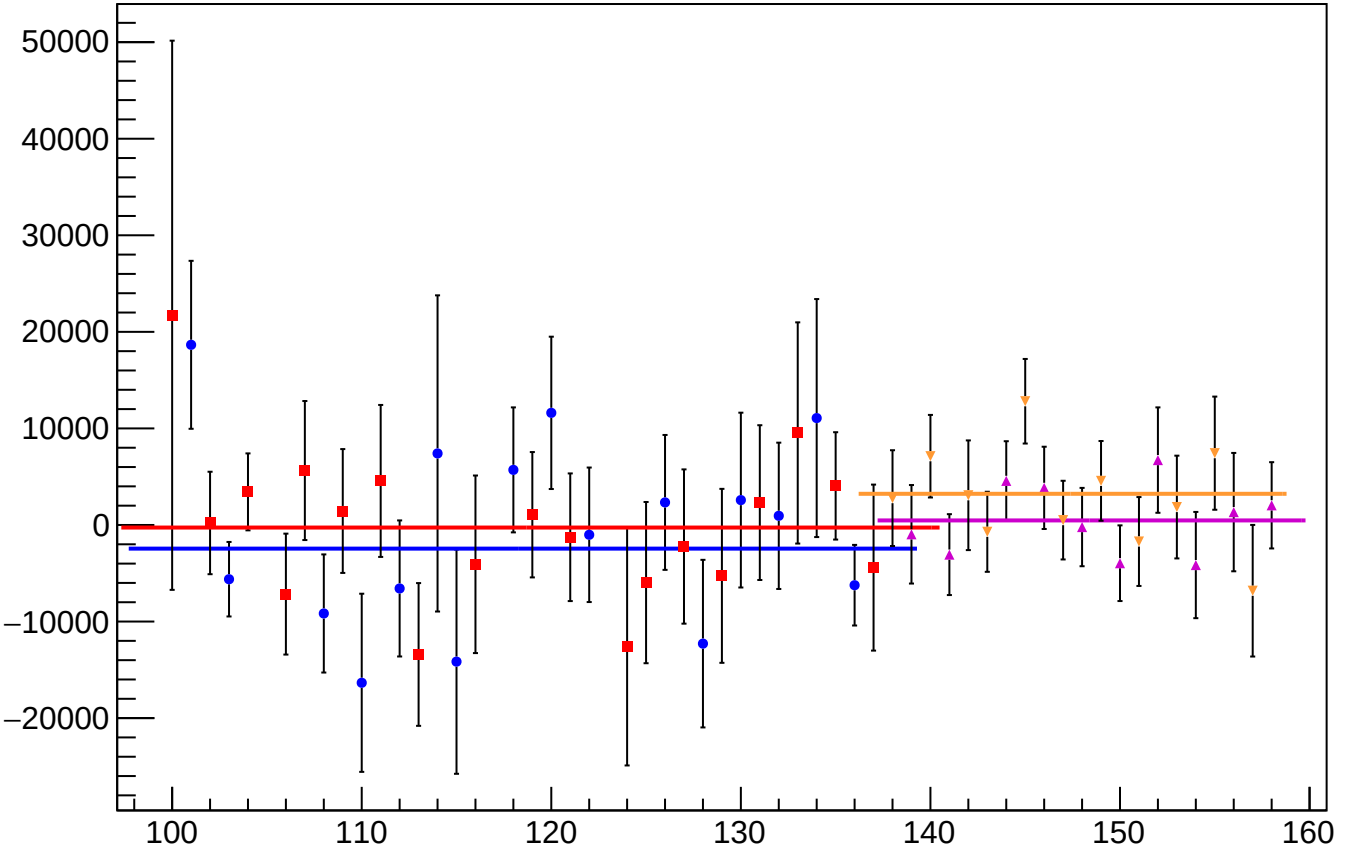
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3939.725+/-0.714 χ^2/NDF:1291743.4/25

Out: 3735.732+/-0.679 χ^2/NDF:1752192.8/29

All: 3832.575+/-0.492 χ^2/NDF: 3086792.0/55

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3228.553+/-1430.279 χ^2/NDF:11.0/10

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 471.801+/-1444.612 χ^2/NDF:5.9/9

Left: 1863.921+/-1016.390 χ^2/NDF: 18.7/20

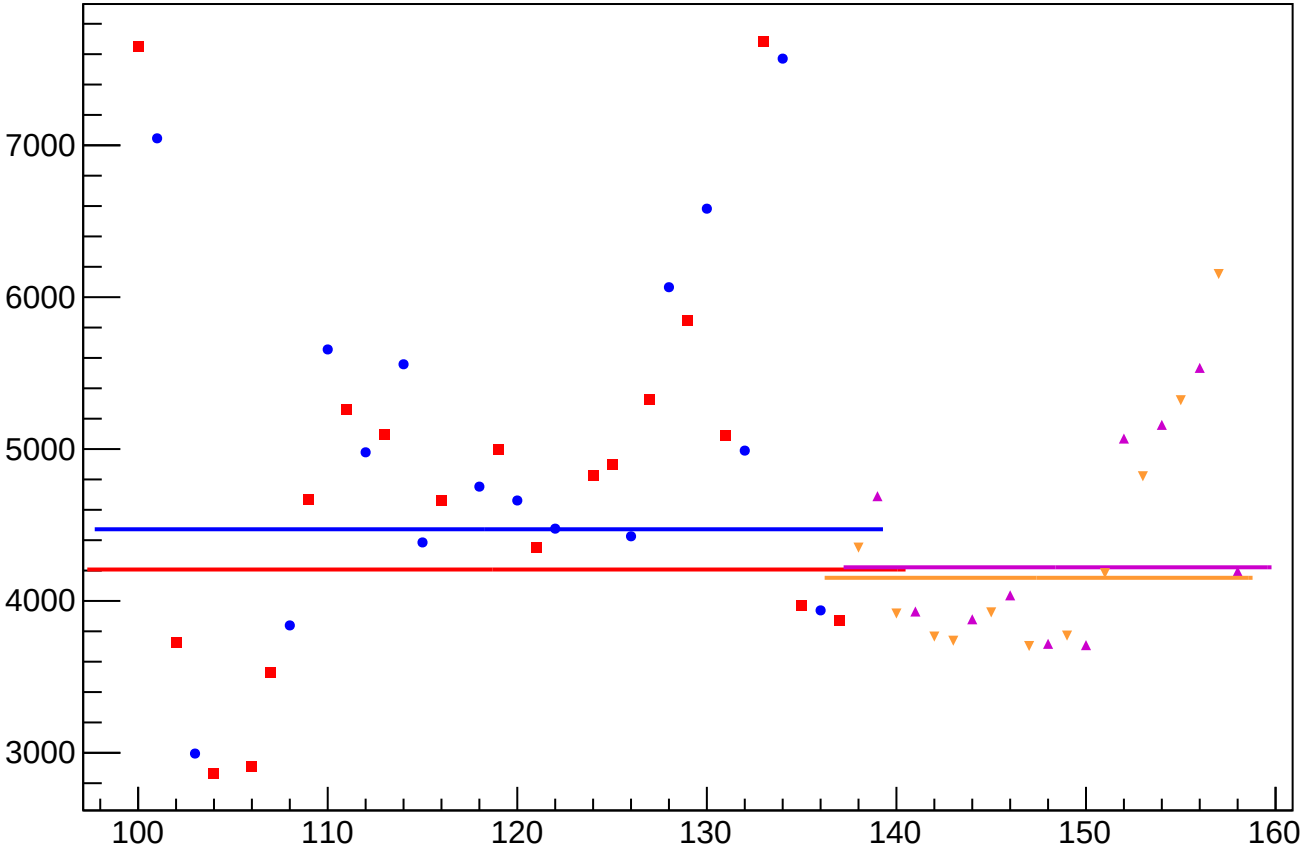
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -736.286+/-1106.125 χ^2/NDF:28.4/25

Out: 1700.574+/-1072.938 χ^2/NDF:24.3/29

All: 519.249+/-770.147 χ^2/NDF: 55.2/55

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4152.377+/-1.011 χ^2/NDF:368807.1/10

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4221.505+/-1.021 χ^2/NDF:307503.1/9

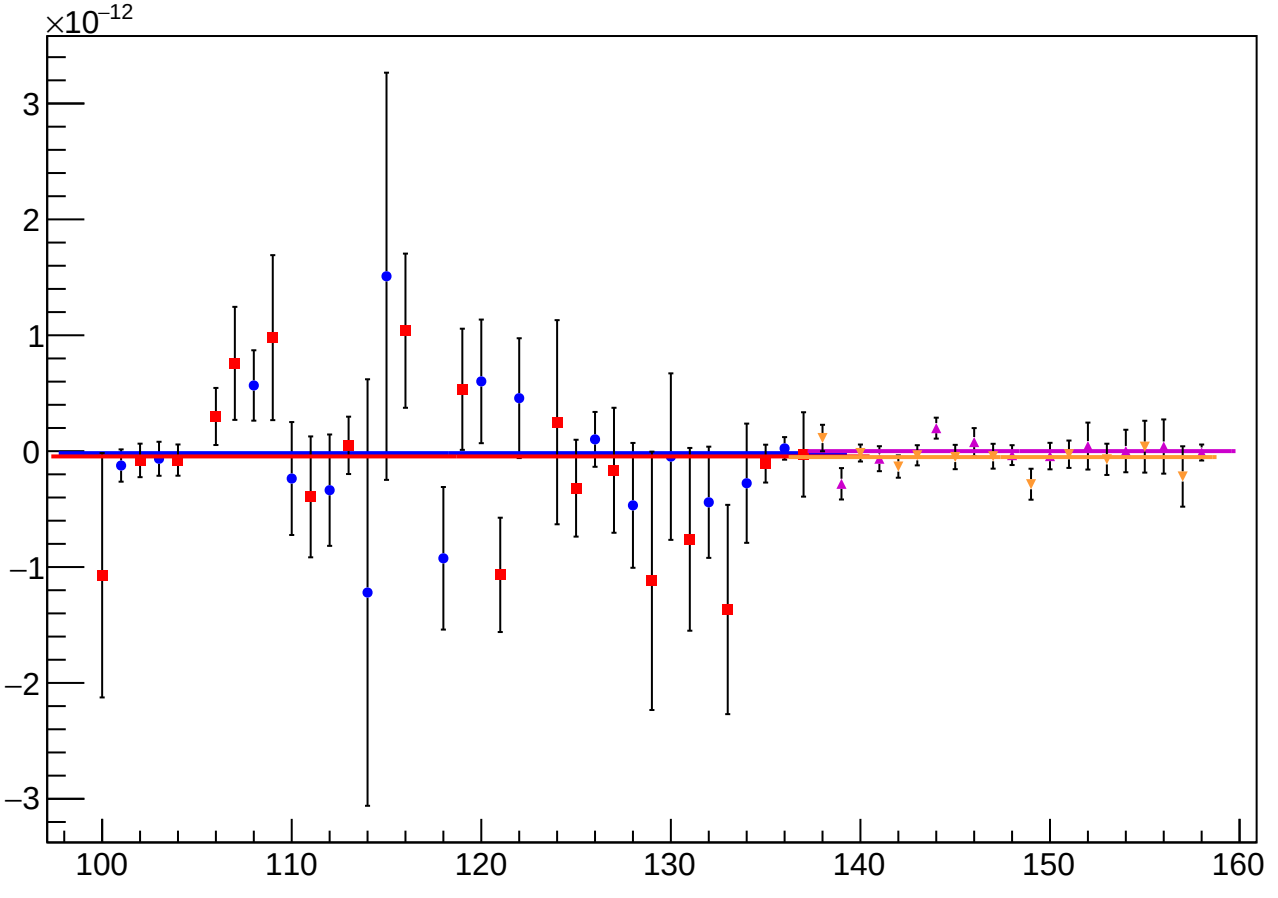
Left: 4186.596+/-0.719 χ^2/NDF: 678622.9/20

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4325.100+/-0.782 χ^2/NDF:1224041.3/25

Out: 4176.441+/-0.756 χ^2/NDF:1216615.2/29

All: 4248.240+/-0.544 χ^2/NDF: 2459334.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/9

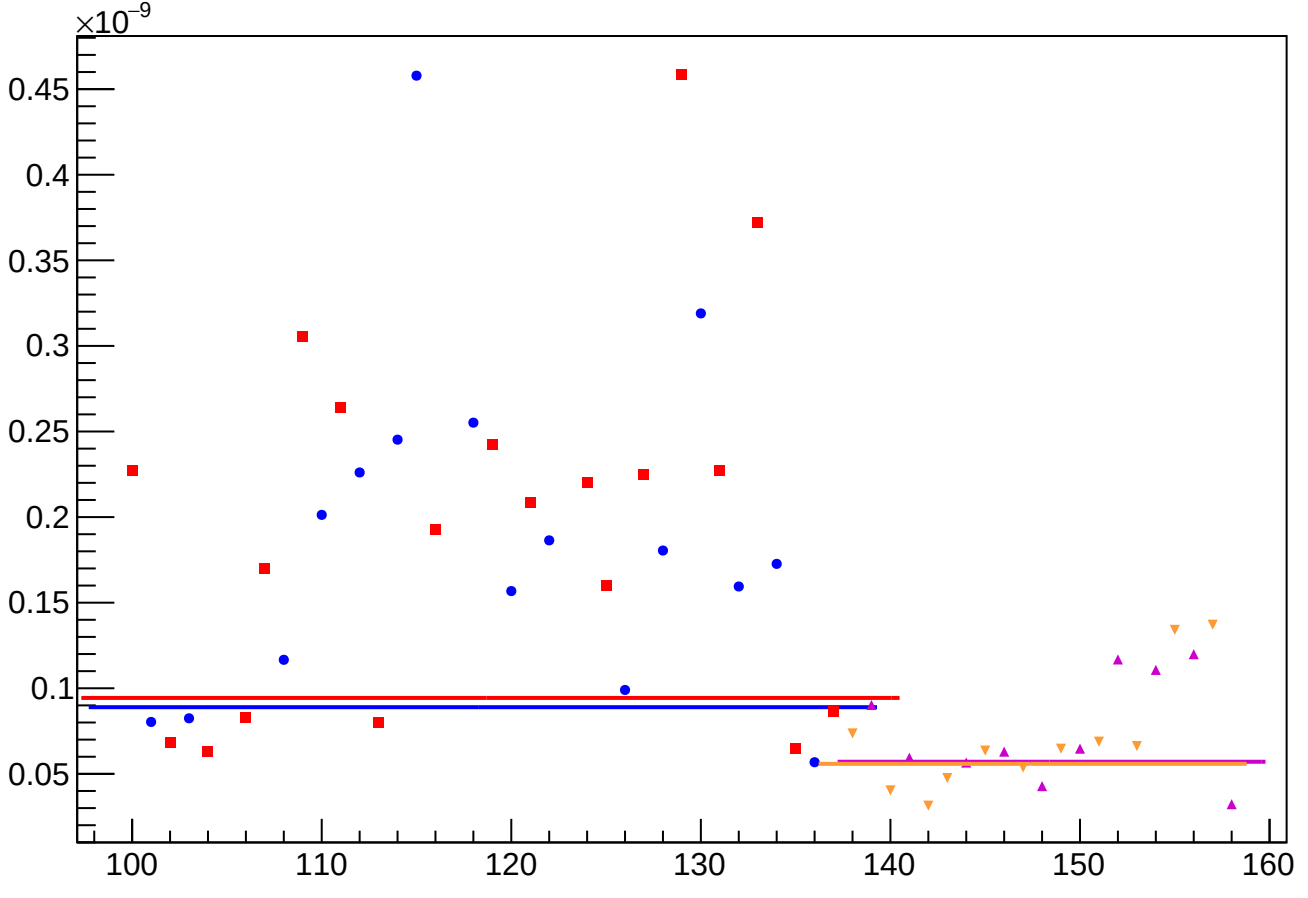
Left: -0.000+/-0.000 χ^2/NDF: 18.3/20

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:23.2/25

Out: -0.000+/-0.000 χ^2/NDF:28.0/29

All: -0.000+/-0.000 χ^2/NDF: 52.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:780992.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:937876.1/9

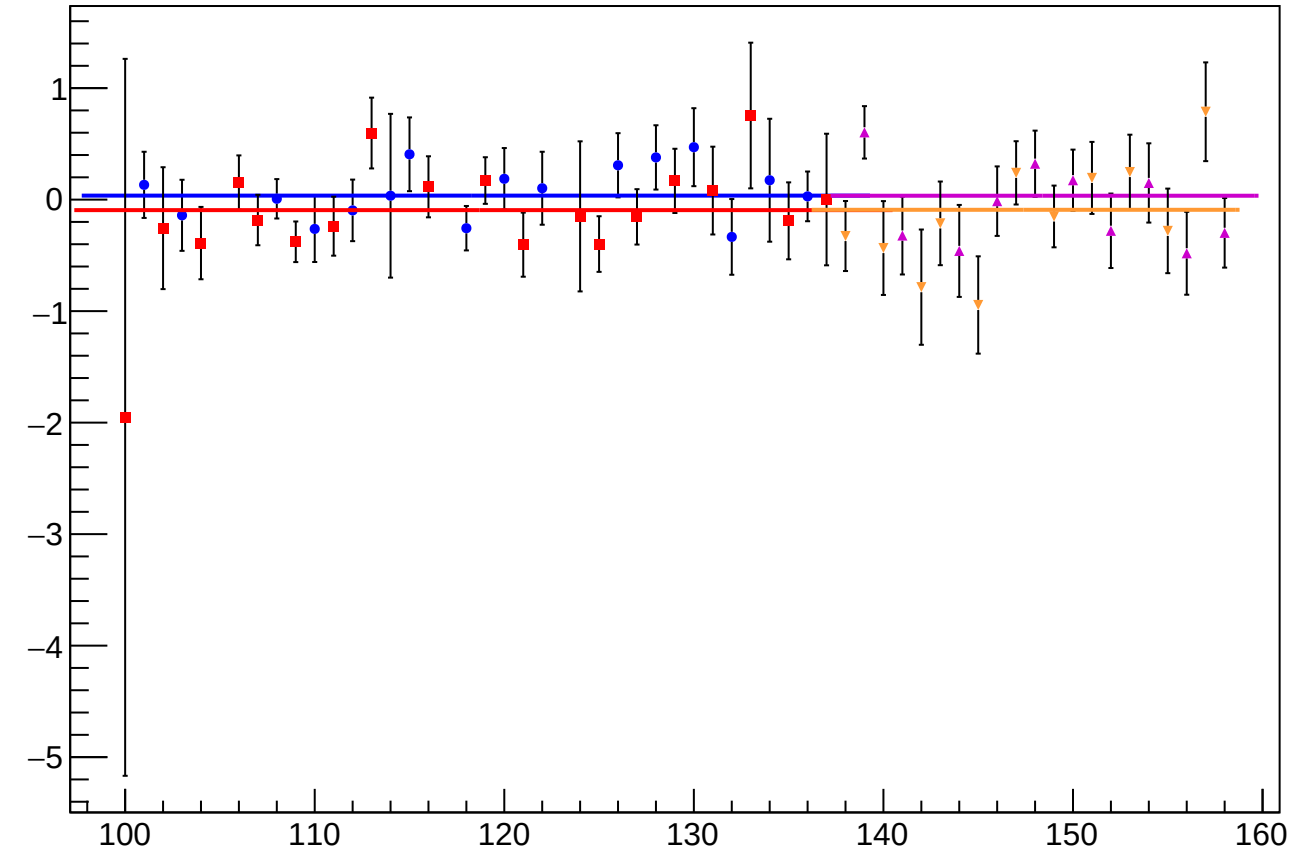
Left: 0.000+/-0.000 χ^2/NDF: 1720147.8/20

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:2575545.1/25

Out: 0.000+/-0.000 χ^2/NDF:2991619.2/29

All: 0.000+/-0.000 χ^2/NDF: 5569624.5/55



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.035+/-0.099 χ^2/NDF:13.6/9

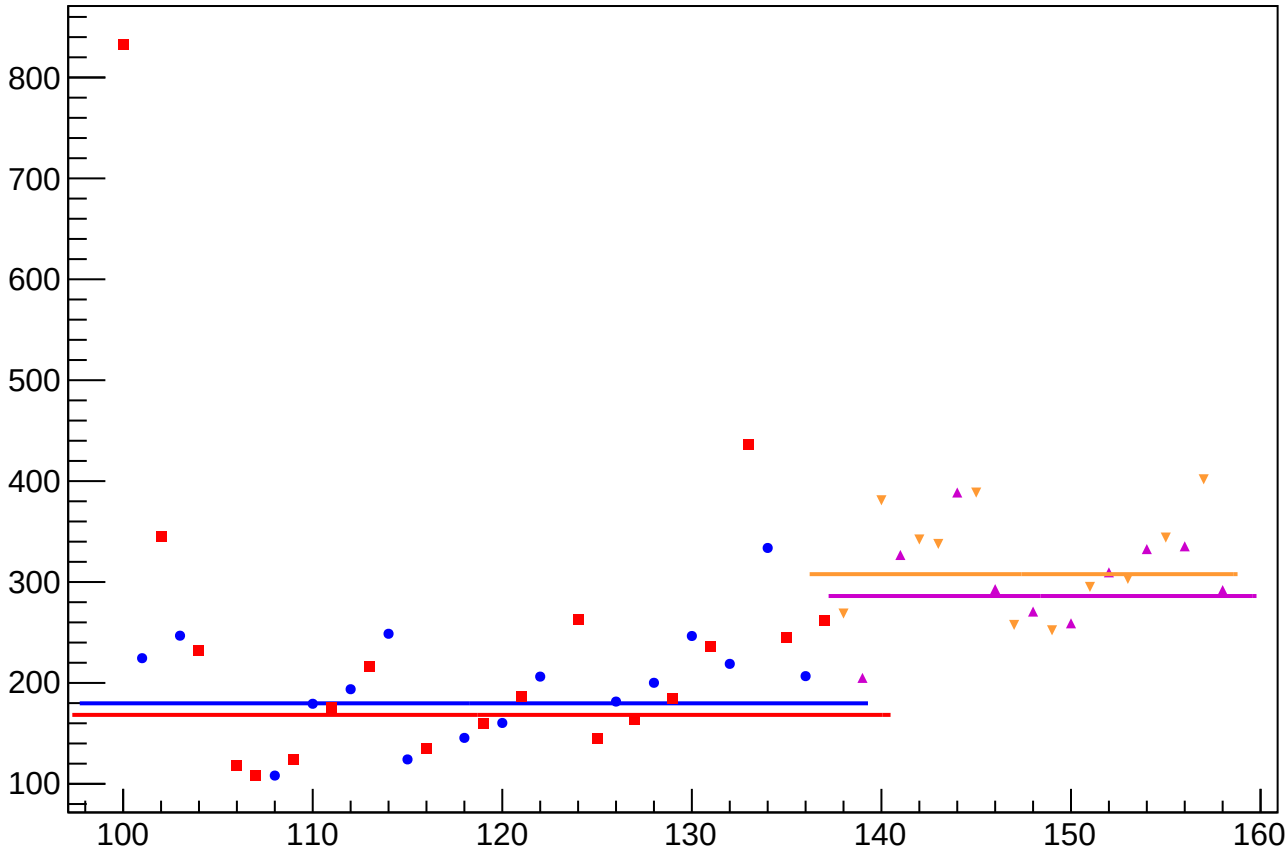
Left: -0.024+/-0.073 χ^2/NDF: 28.7/20

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.058 χ^2/NDF:24.1/25

Out: -0.093+/-0.057 χ^2/NDF:32.0/29

All: -0.029+/-0.041 χ^2/NDF: 58.7/55



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 307.799+/-0.075 χ^2/NDF:437121.3/10

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 286.134+/-0.070 χ^2/NDF:494784.4/9

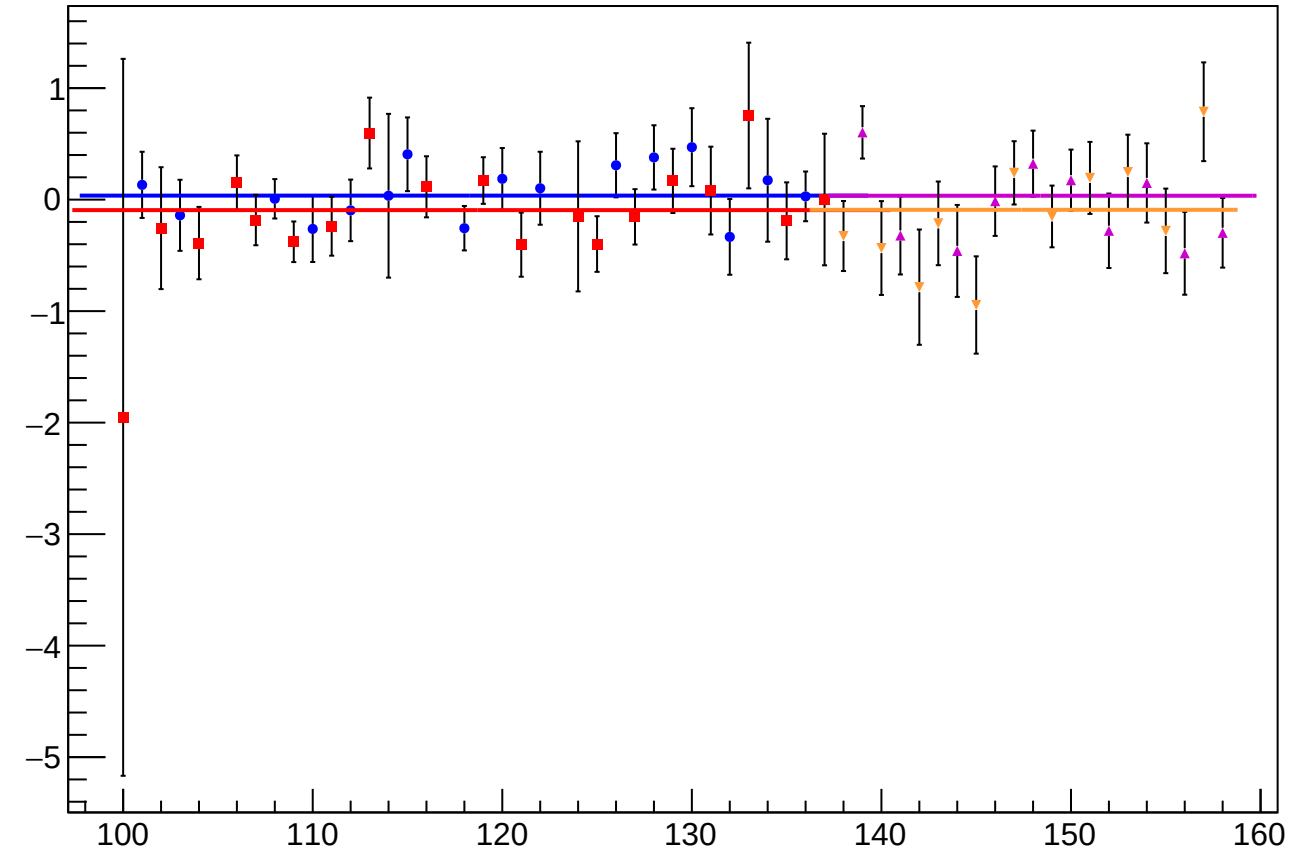
Left: 296.188+/-0.051 χ^2/NDF: 976127.9/20

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 215.509+/-0.041 χ^2/NDF:2938072.4/25

Out: 208.331+/-0.040 χ^2/NDF:4285305.1/29

All: 211.895+/-0.029 χ^2/NDF: 7239061.4/55



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.035+/-0.099 χ^2/NDF:13.6/9

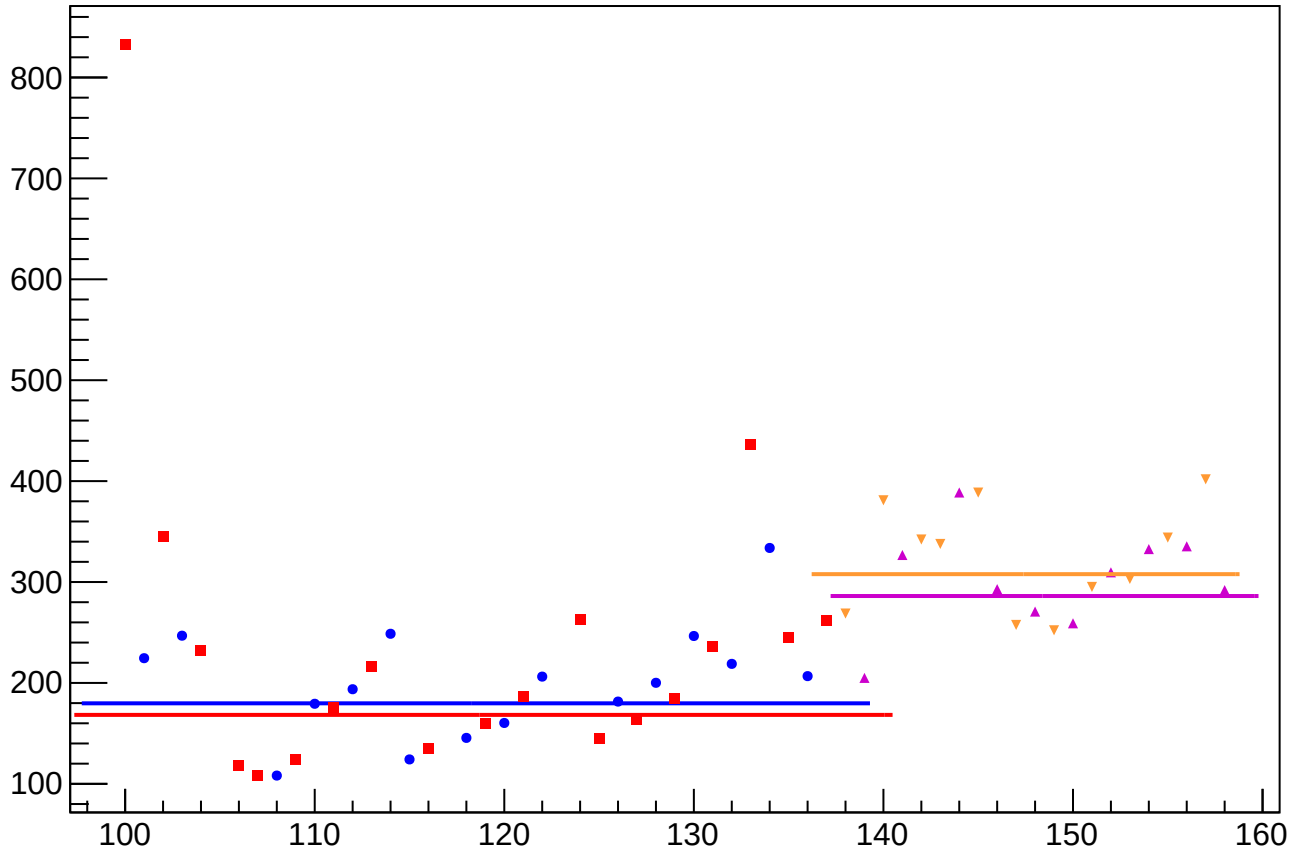
Left: -0.024+/-0.073 χ^2/NDF: 28.7/20

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.058 χ^2/NDF:24.1/25

Out: -0.093+/-0.057 χ^2/NDF:32.0/29

All: -0.029+/-0.041 χ^2/NDF: 58.7/55



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 307.799+/-0.075 χ^2/NDF:437121.3/10

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 286.134+/-0.070 χ^2/NDF:494784.4/9

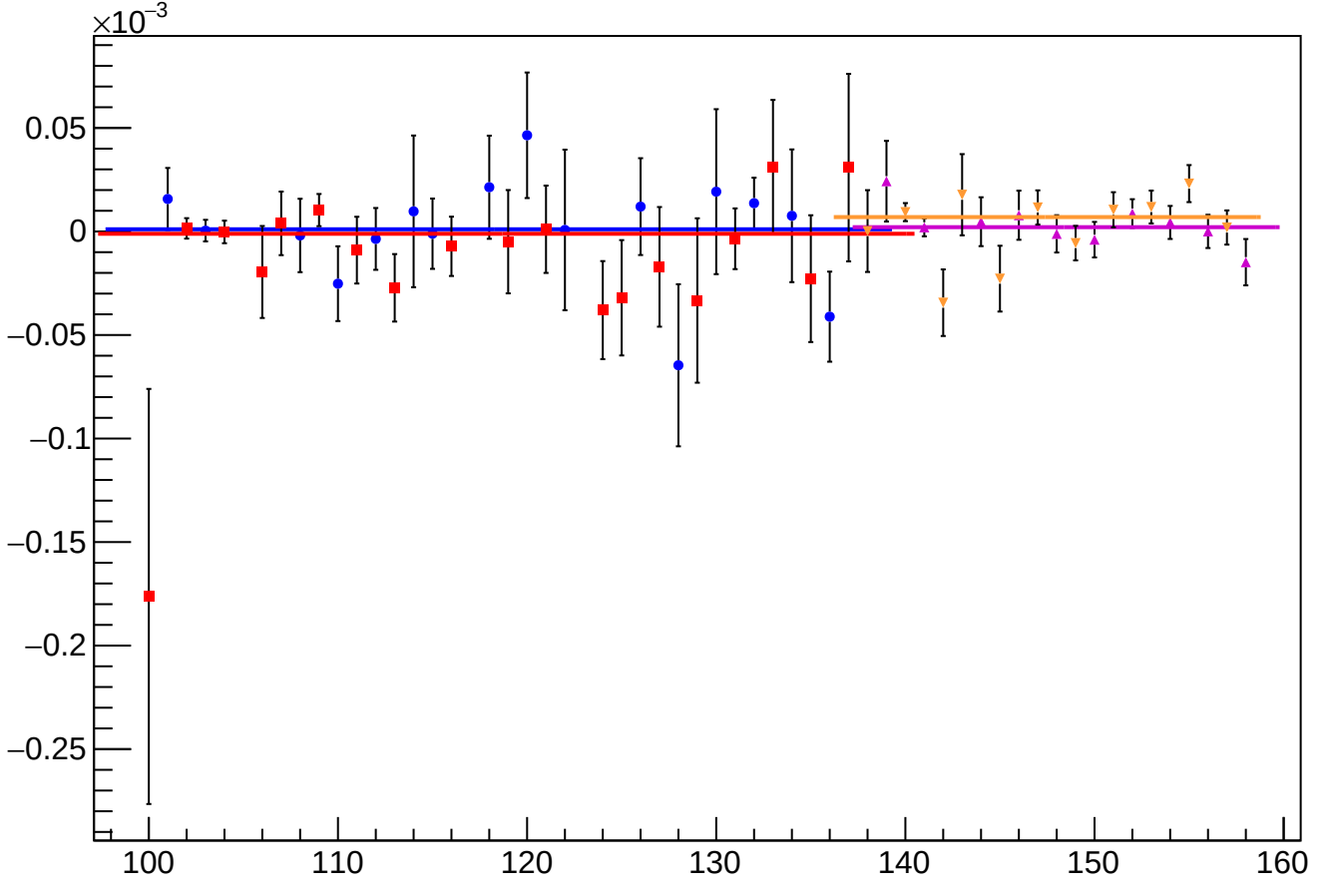
Left: 296.188+/-0.051 χ^2/NDF: 976127.9/20

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 215.509+/-0.041 χ^2/NDF:2938072.4/25

Out: 208.331+/-0.040 χ^2/NDF:4285305.1/29

All: 211.895+/-0.029 χ^2/NDF: 7239061.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/9

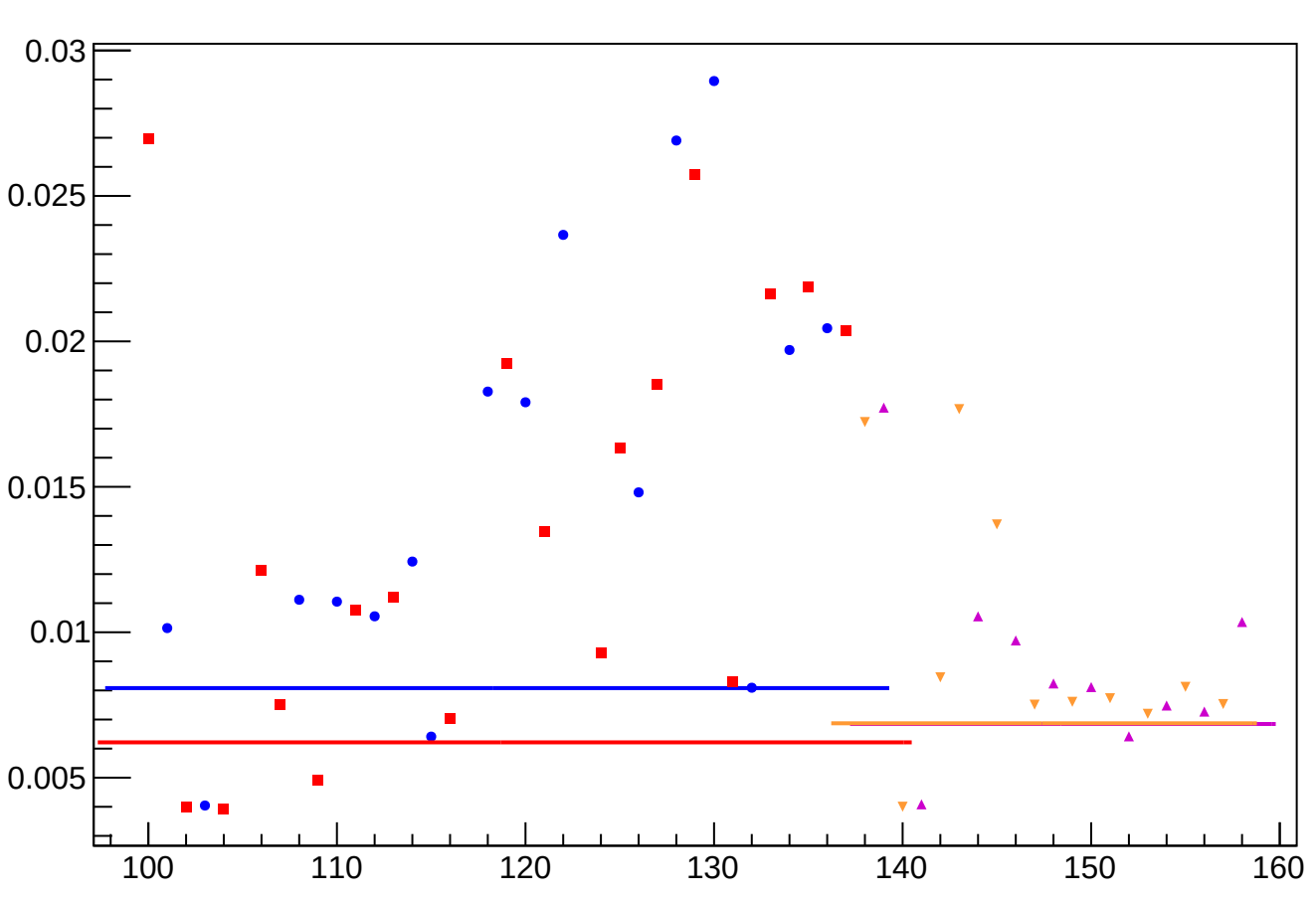
Left: 0.000+/-0.000 χ^2/NDF: 25.0/20

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:19.9/25

Out: 0.000+/-0.000 χ^2/NDF:38.1/29

All: 0.000+/-0.000 χ^2/NDF: 58.3/55



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2511353.7/10

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:2057374.1/9

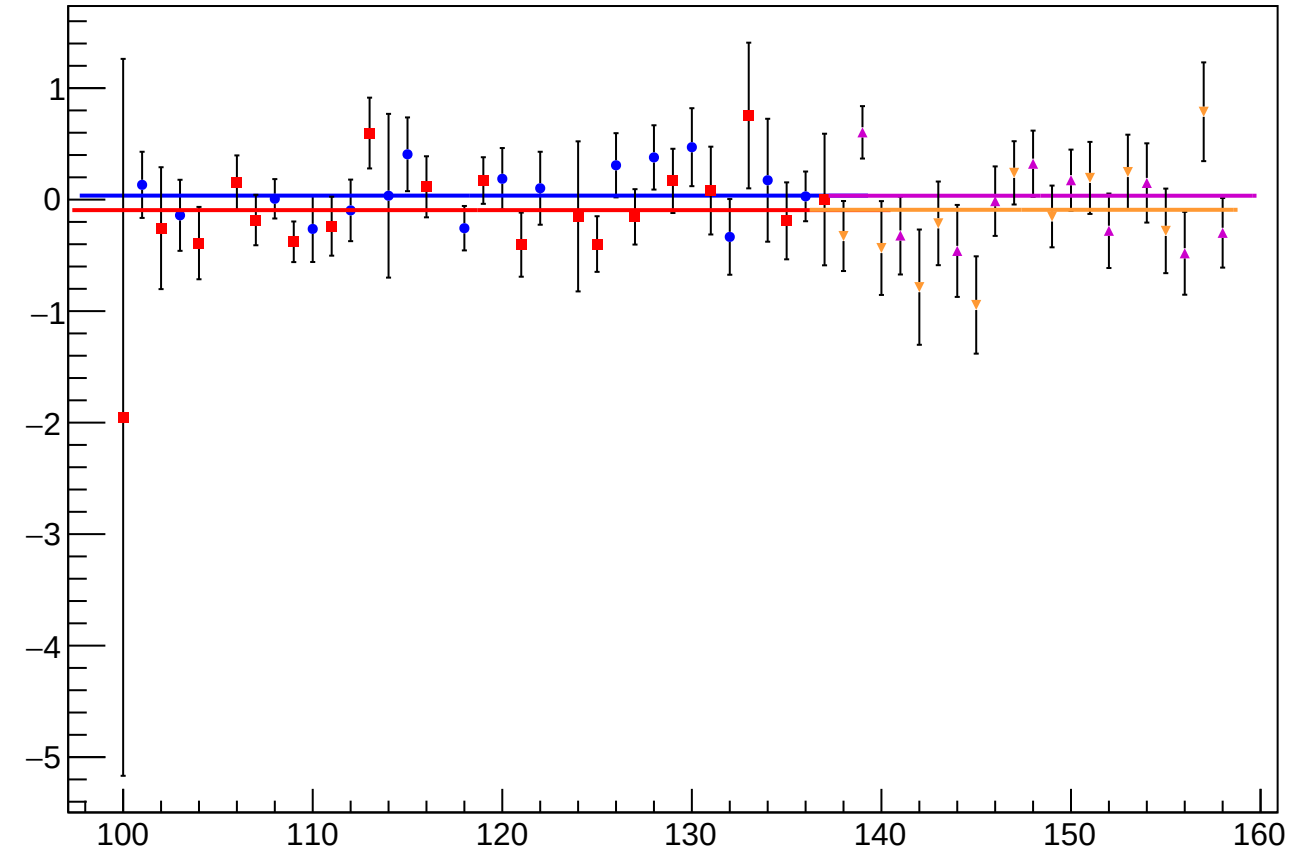
Left: 0.007+/-0.000 χ^2/NDF: 4568817.3/20

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6621714.1/25

Out: 0.007+/-0.000 χ^2/NDF:7131440.6/29

All: 0.007+/-0.000 χ^2/NDF: 13864229.3/55



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.035+/-0.099 χ^2/NDF:13.6/9

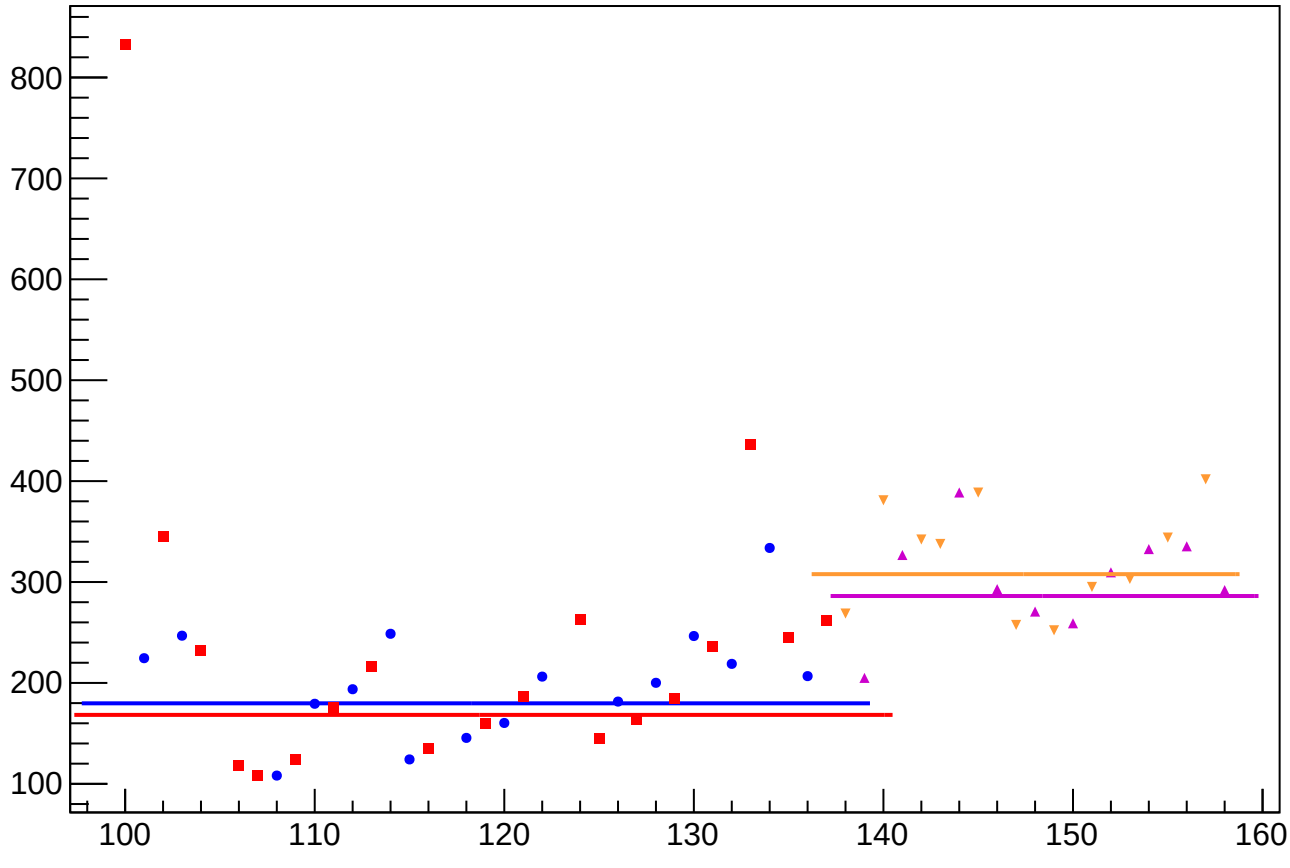
Left: -0.024+/-0.073 χ^2/NDF: 28.7/20

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.058 χ^2/NDF:24.1/25

Out: -0.093+/-0.057 χ^2/NDF:32.0/29

All: -0.029+/-0.041 χ^2/NDF: 58.7/55



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 307.803+/-0.075 χ^2/NDF:437099.2/10

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 286.138+/-0.070 χ^2/NDF:494752.6/9

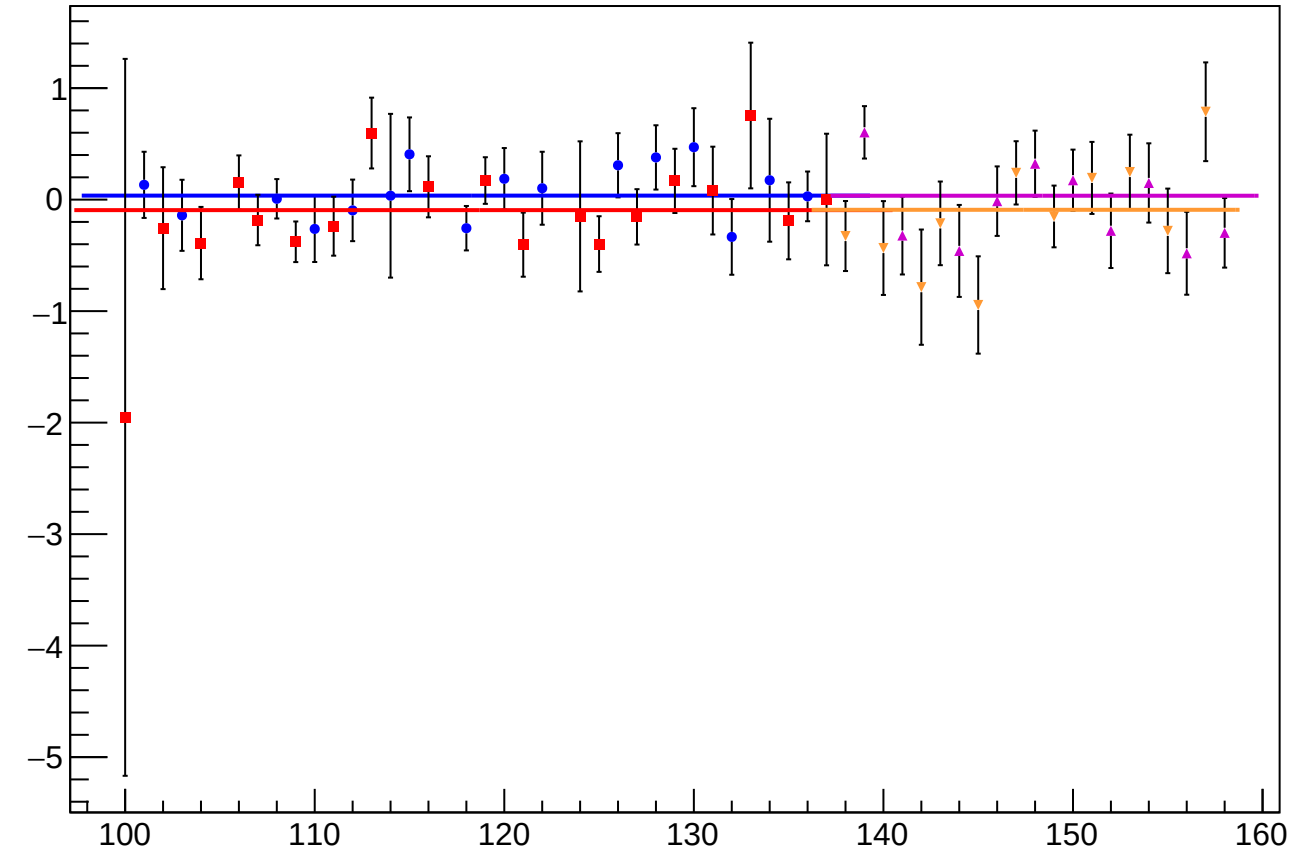
Left: 296.192+/-0.051 χ^2/NDF: 976072.6/20

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 215.508+/-0.041 χ^2/NDF:2938261.3/25

Out: 208.331+/-0.040 χ^2/NDF:4285382.0/29

All: 211.895+/-0.029 χ^2/NDF: 7239319.2/55



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.035+/-0.099 χ^2/NDF:13.6/9

Left: -0.024+/-0.073 χ^2/NDF: 28.7/20

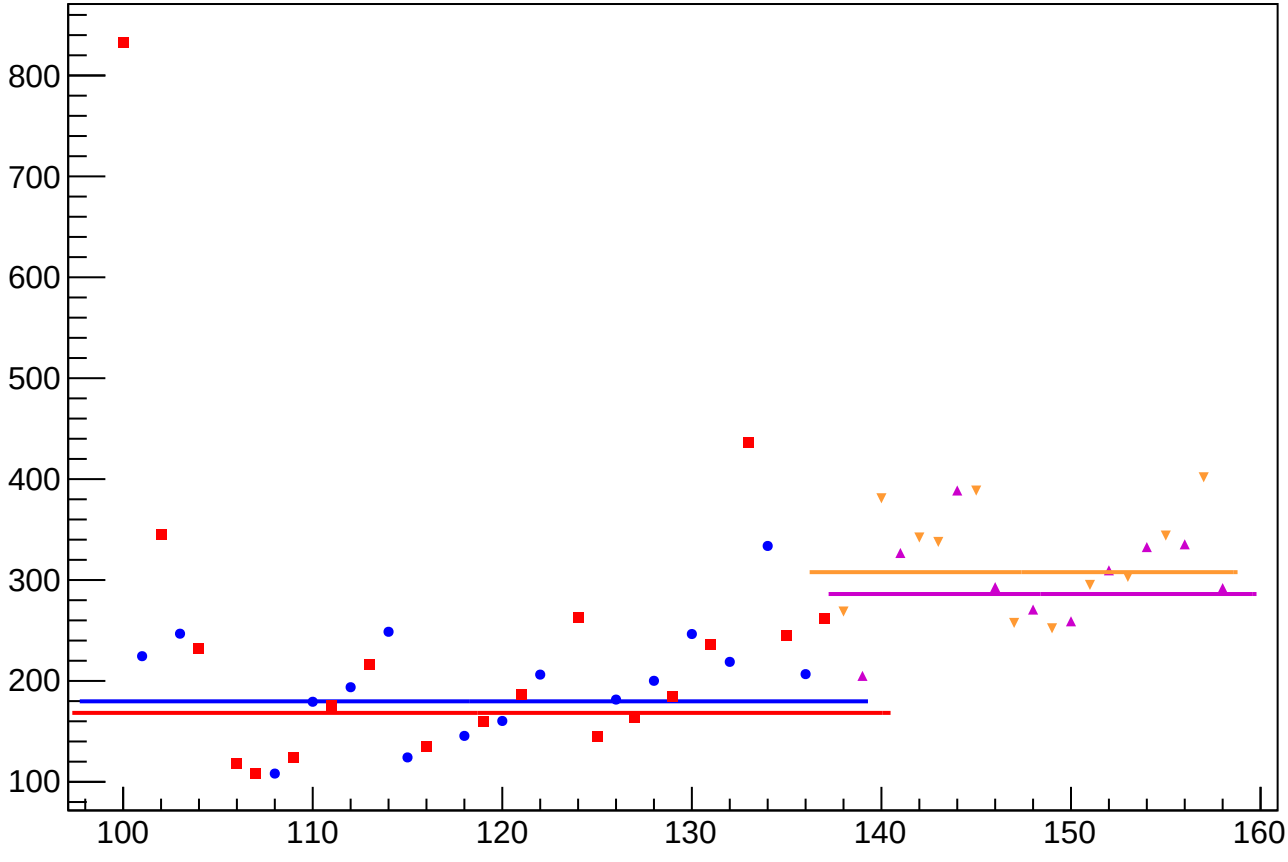
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.036+/-0.058 χ^2/NDF:24.1/25

Out: -0.093+/-0.057 χ^2/NDF:32.0/29

All: -0.029+/-0.041 χ^2/NDF: 58.7/55

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 307.803+/-0.075 χ^2/NDF:437099.2/10

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 286.138+/-0.070 χ^2/NDF:494752.6/9

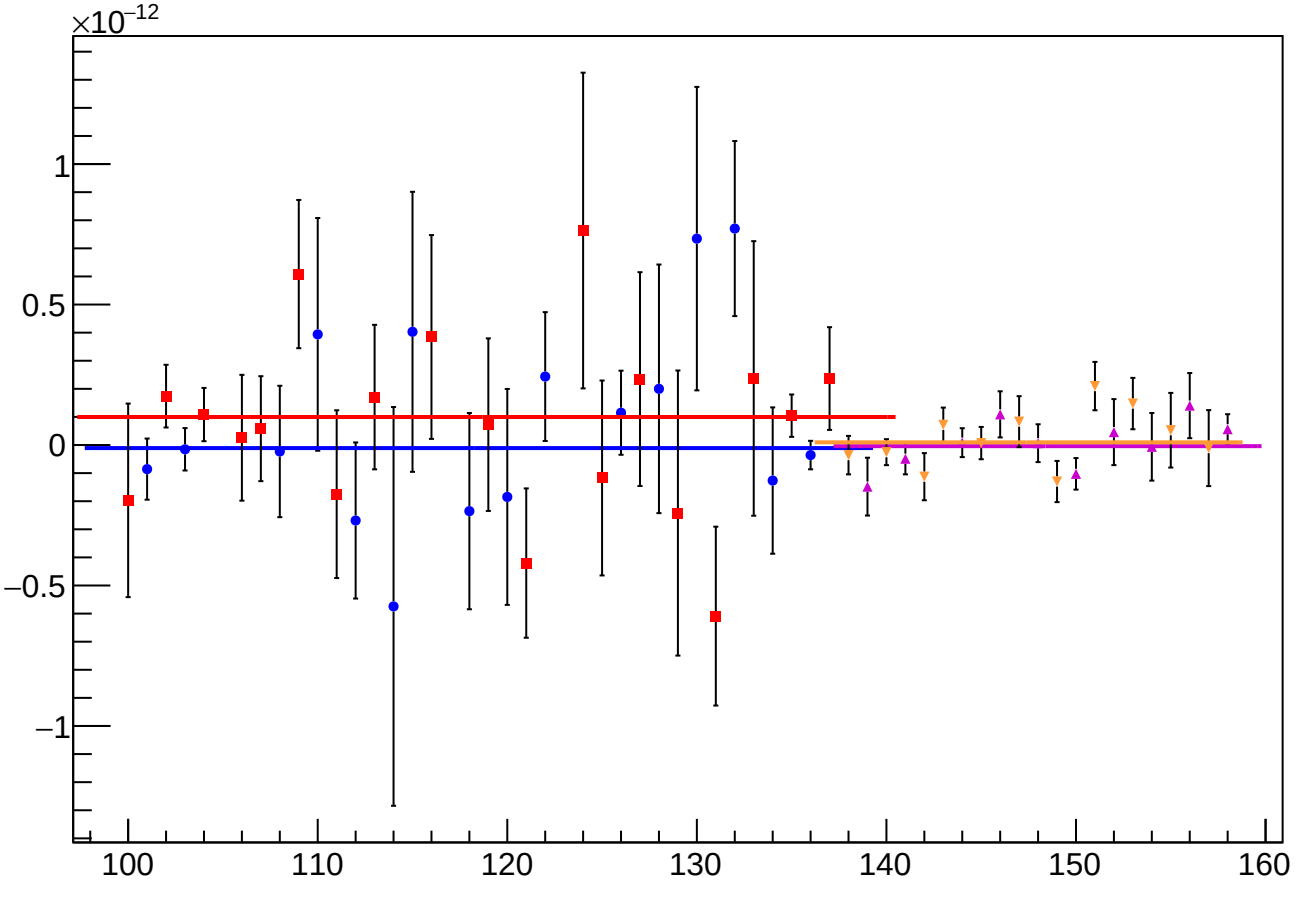
Left: 296.192+/-0.051 χ^2/NDF: 976072.6/20

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 215.508+/-0.041 χ^2/NDF:2938261.3/25

Out: 208.331+/-0.040 χ^2/NDF:4285382.0/29

All: 211.895+/-0.029 χ^2/NDF: 7239319.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/9

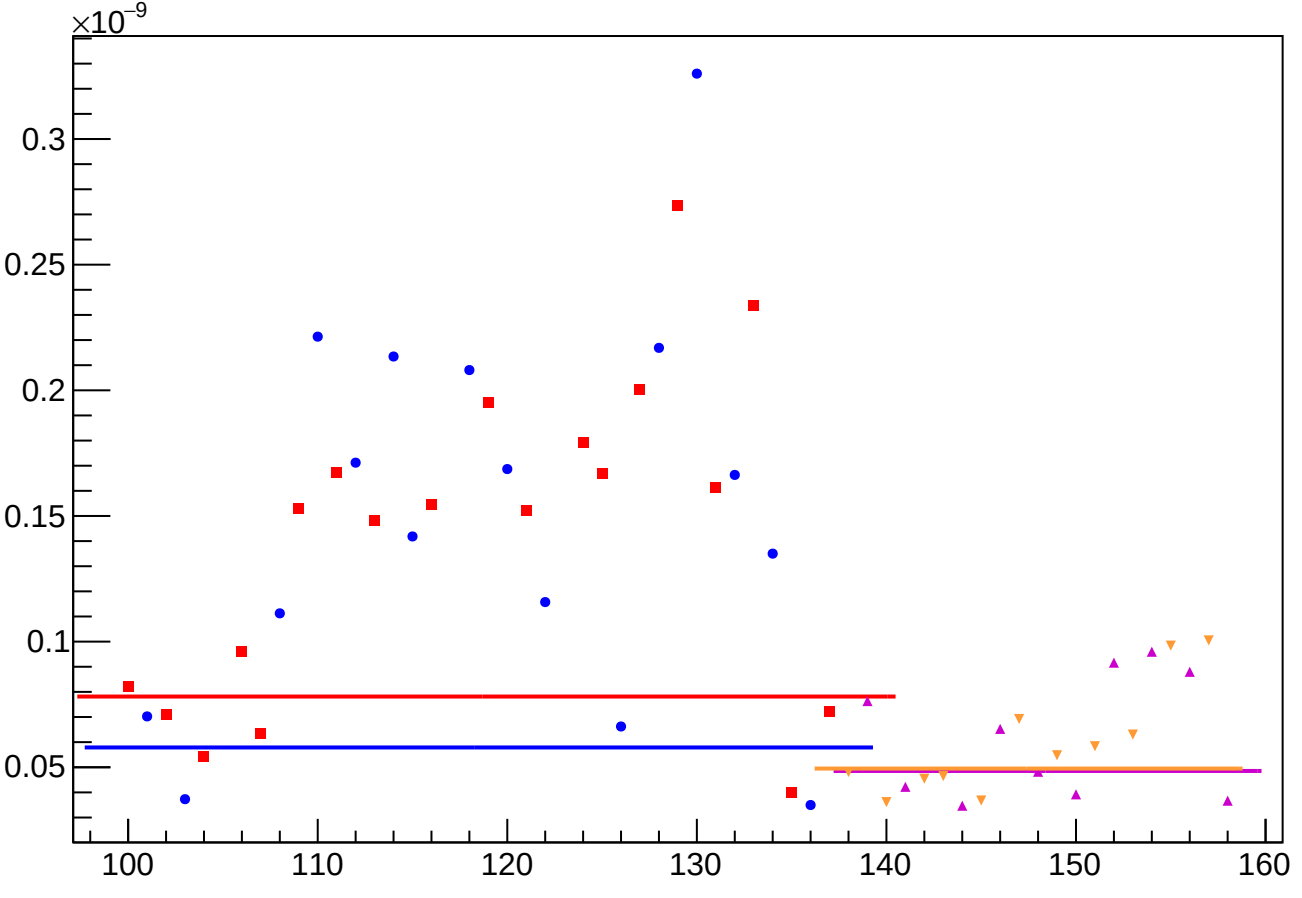
Left: 0.000+/-0.000 χ^2/NDF: 27.1/20

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:25.7/25

Out: 0.000+/-0.000 χ^2/NDF:38.3/29

All: 0.000+/-0.000 χ^2/NDF: 65.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1000608.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1364084.7/9

Left: 0.000+/-0.000 χ^2/NDF: 2366568.9/20

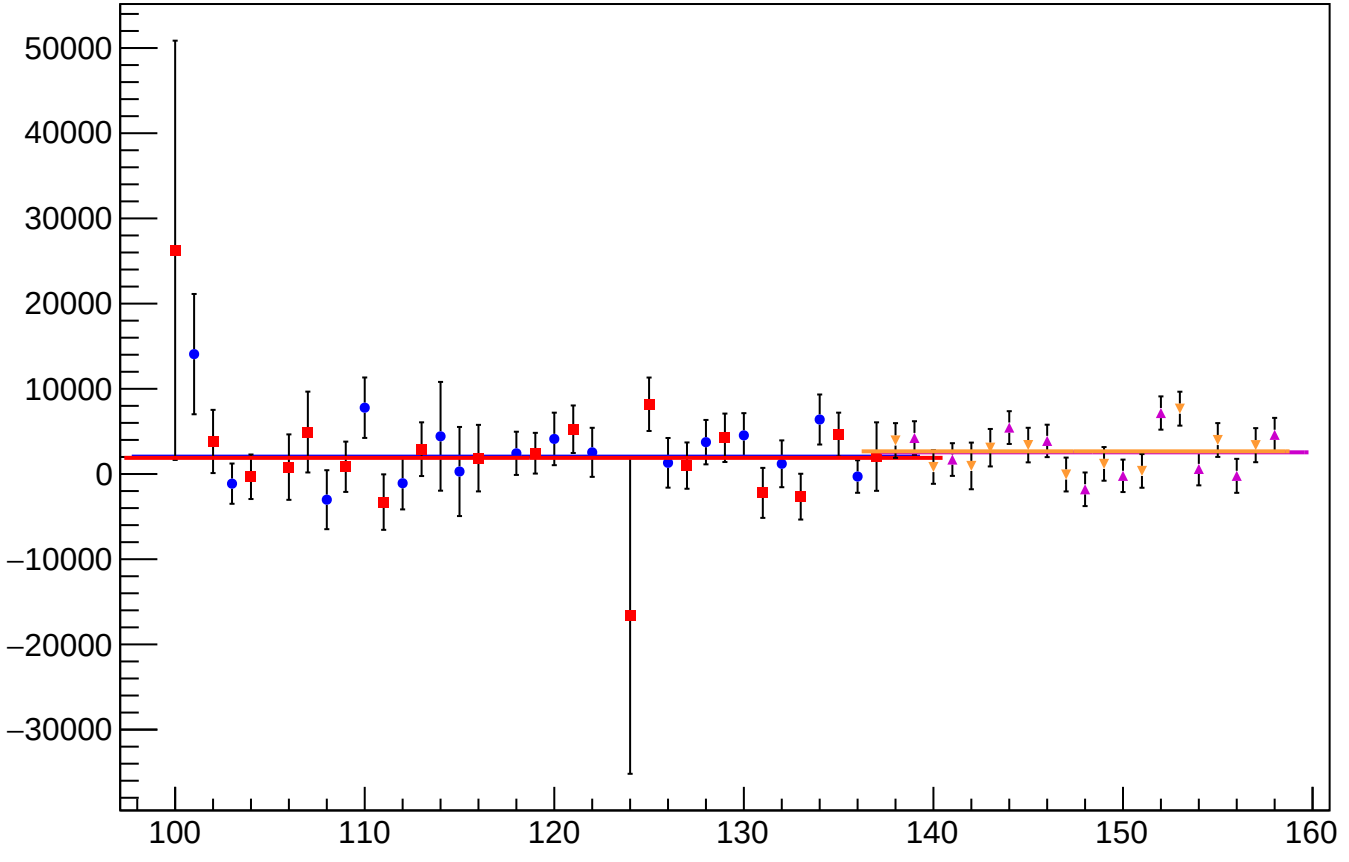
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4788159.2/25

Out: 0.000+/-0.000 χ^2/NDF:4460115.5/29

All: 0.000+/-0.000 χ^2/NDF: 9302808.6/55

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2660.017+/-619.851 χ^2/NDF:12.5/10

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2544.848+/-614.775 χ^2/NDF:20.2/9

Left: 2601.959+/-436.495 χ^2/NDF: 32.8/20

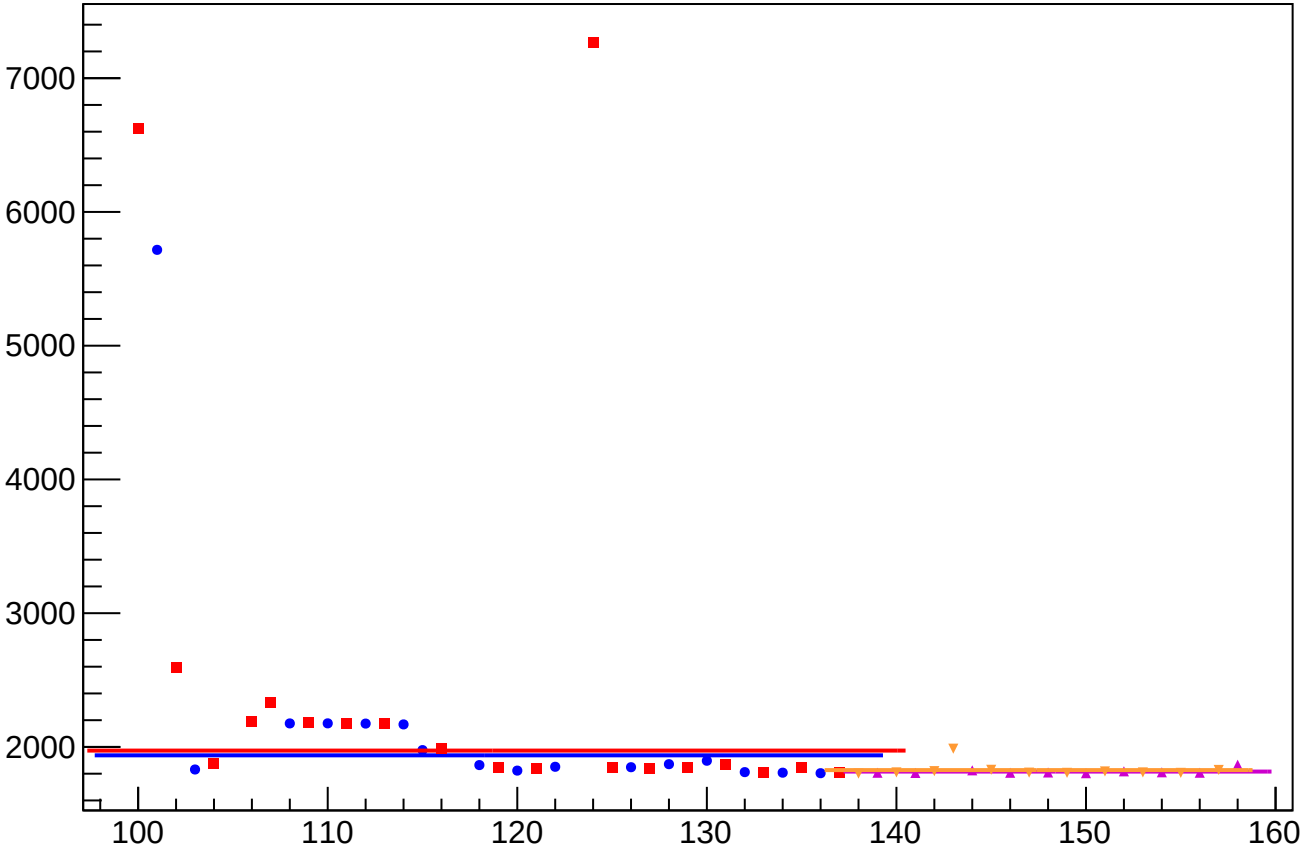
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2337.115+/-471.884 χ^2/NDF:37.0/25

Out: 2343.051+/-474.315 χ^2/NDF:31.6/29

All: 2340.068+/-334.528 χ^2/NDF: 68.6/55

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.809+/-0.438 χ^2/NDF:11917.4/10

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

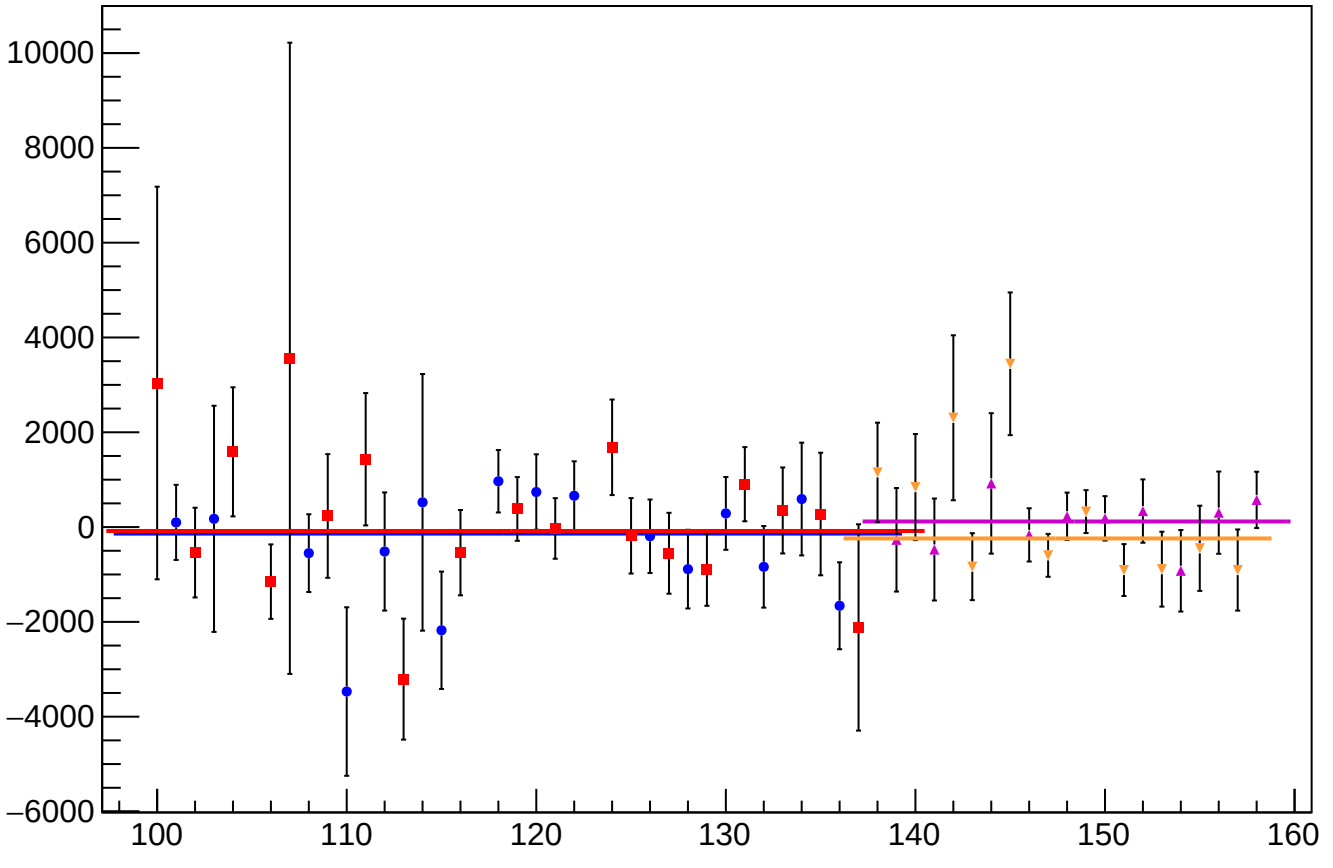
Left: 1821.280+/-0.309 χ^2/NDF: 13914.2/20

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1865.720+/-0.334 χ^2/NDF:671819.8/25

Out: 1887.300+/-0.335 χ^2/NDF:435411.2/29

All: 1876.454+/-0.237 χ^2/NDF: 1109311.6/55



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -239.932+/-214.190 χ^2/NDF:16.5/10

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 117.895+/-214.974 χ^2/NDF:3.2/9

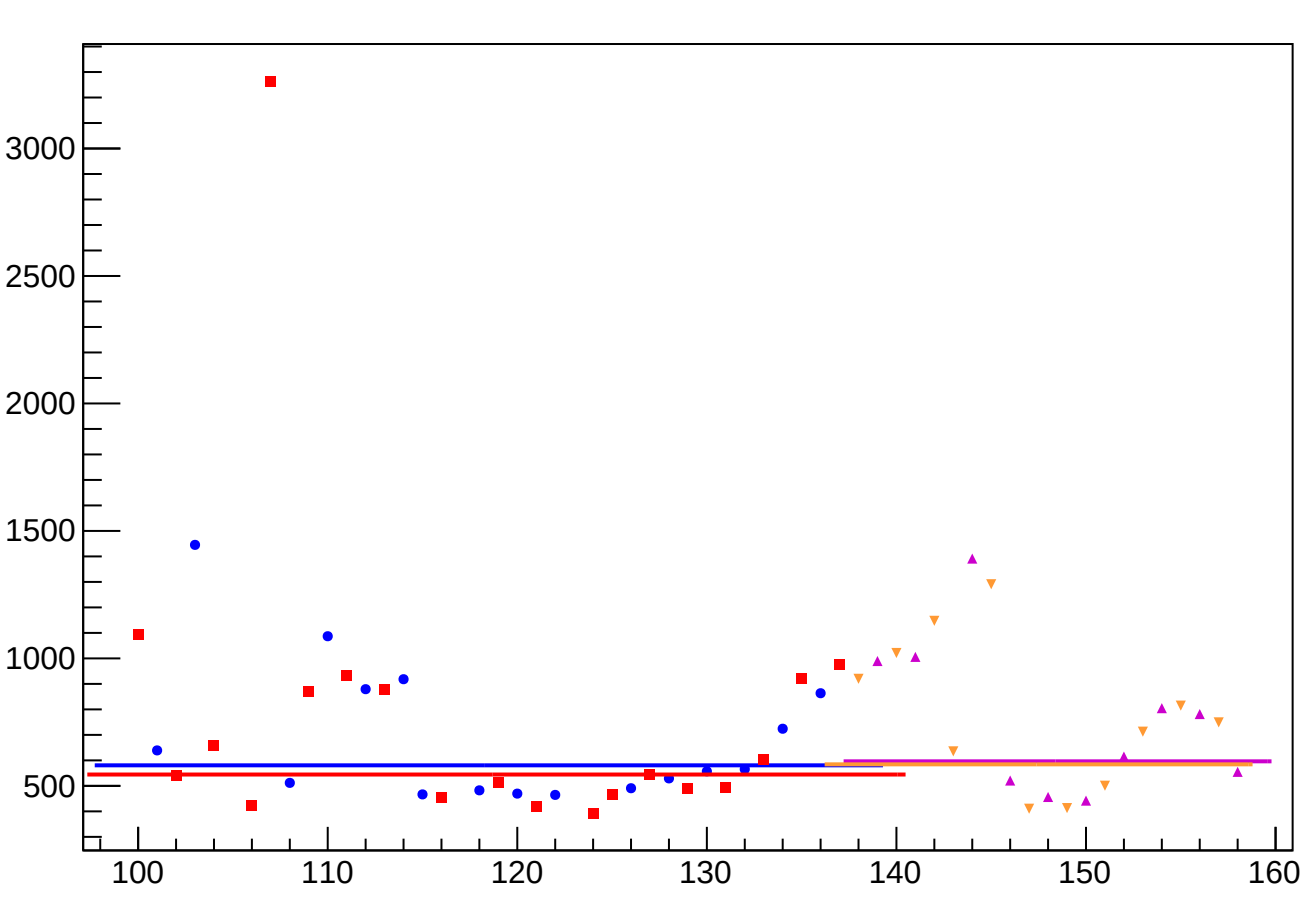
Left: -61.673+/-151.732 χ^2/NDF: 21.2/20

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -0.552+/-157.190 χ^2/NDF:20.8/25

Out: -163.942+/-154.149 χ^2/NDF:36.6/29

All: -83.843+/-110.059 χ^2/NDF: 57.9/55



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 584.472+/-0.151 χ^2/NDF:2057781.0/10

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 596.283+/-0.152 χ^2/NDF:1755050.9/9

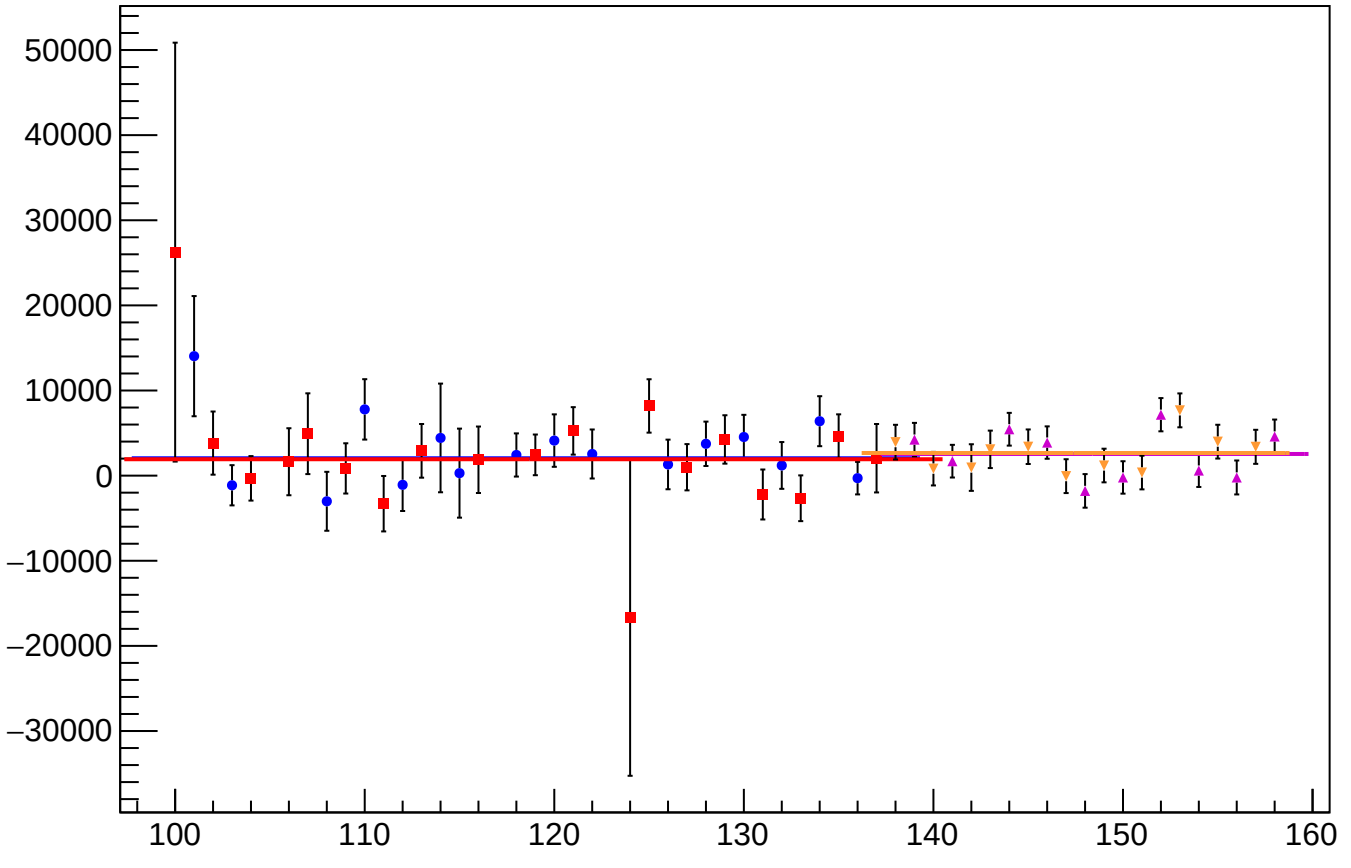
Left: 590.356+/-0.107 χ^2/NDF: 3815861.5/20

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 588.990+/-0.111 χ^2/NDF:2763408.1/25

Out: 565.218+/-0.109 χ^2/NDF:3378950.1/29

All: 576.872+/-0.078 χ^2/NDF: 6165676.3/55



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2659.987+/-619.851 χ^2/NDF:12.5/10

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2544.987+/-614.775 χ^2/NDF:20.2/9

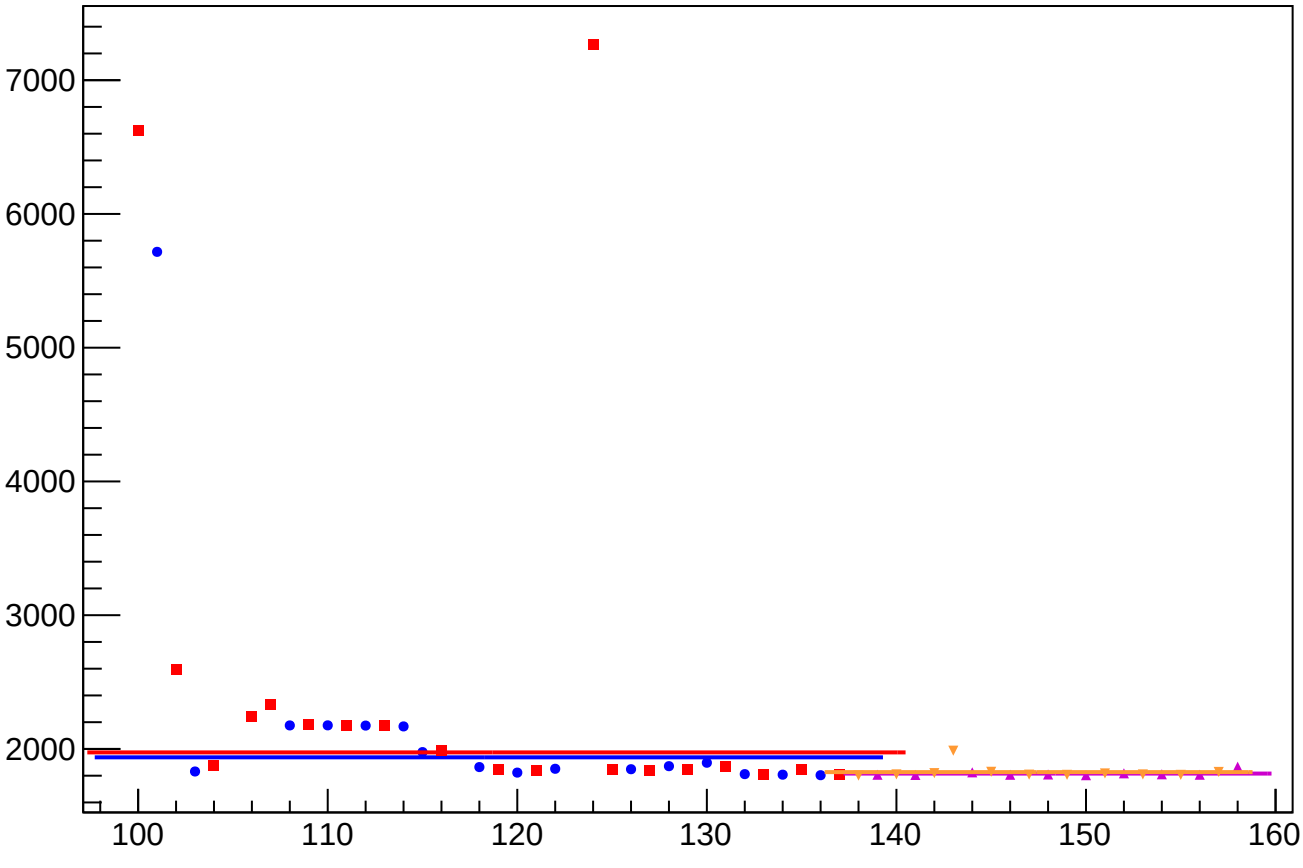
Left: 2602.014+/-436.495 χ^2/NDF: 32.8/20

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2337.046+/-471.884 χ^2/NDF:36.9/25

Out: 2356.204+/-474.488 χ^2/NDF:31.5/29

All: 2346.572+/-334.589 χ^2/NDF: 68.5/55



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.809+/-0.438 χ^2/NDF:11917.4/10

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

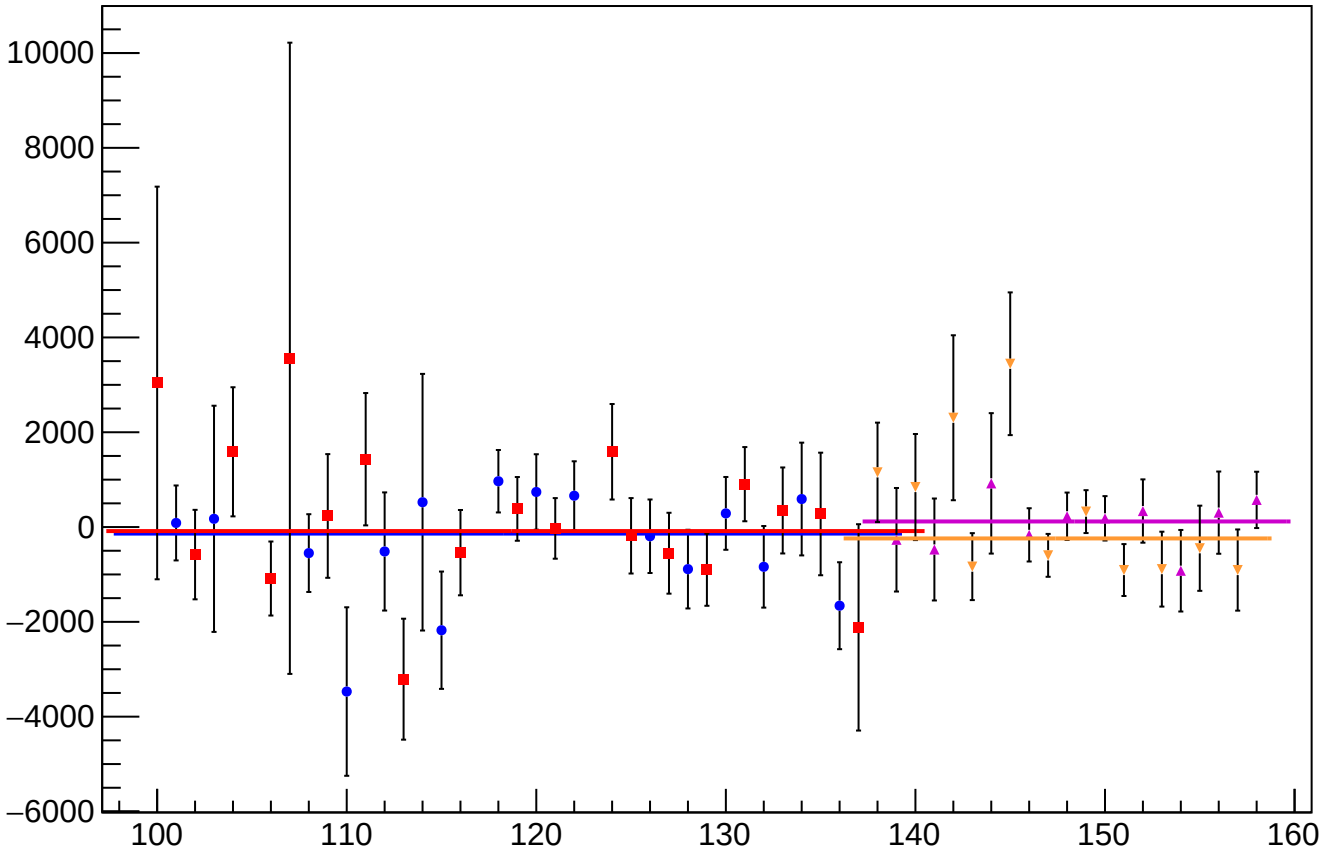
Left: 1821.280+/-0.309 χ^2/NDF: 13914.2/20

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1865.720+/-0.334 χ^2/NDF:671819.7/25

Out: 1887.815+/-0.336 χ^2/NDF:439139.0/29

All: 1876.707+/-0.237 χ^2/NDF: 1113139.1/55



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -240.227+/-214.190 χ^2/NDF:16.5/10

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 117.892+/-214.975 χ^2/NDF:3.2/9

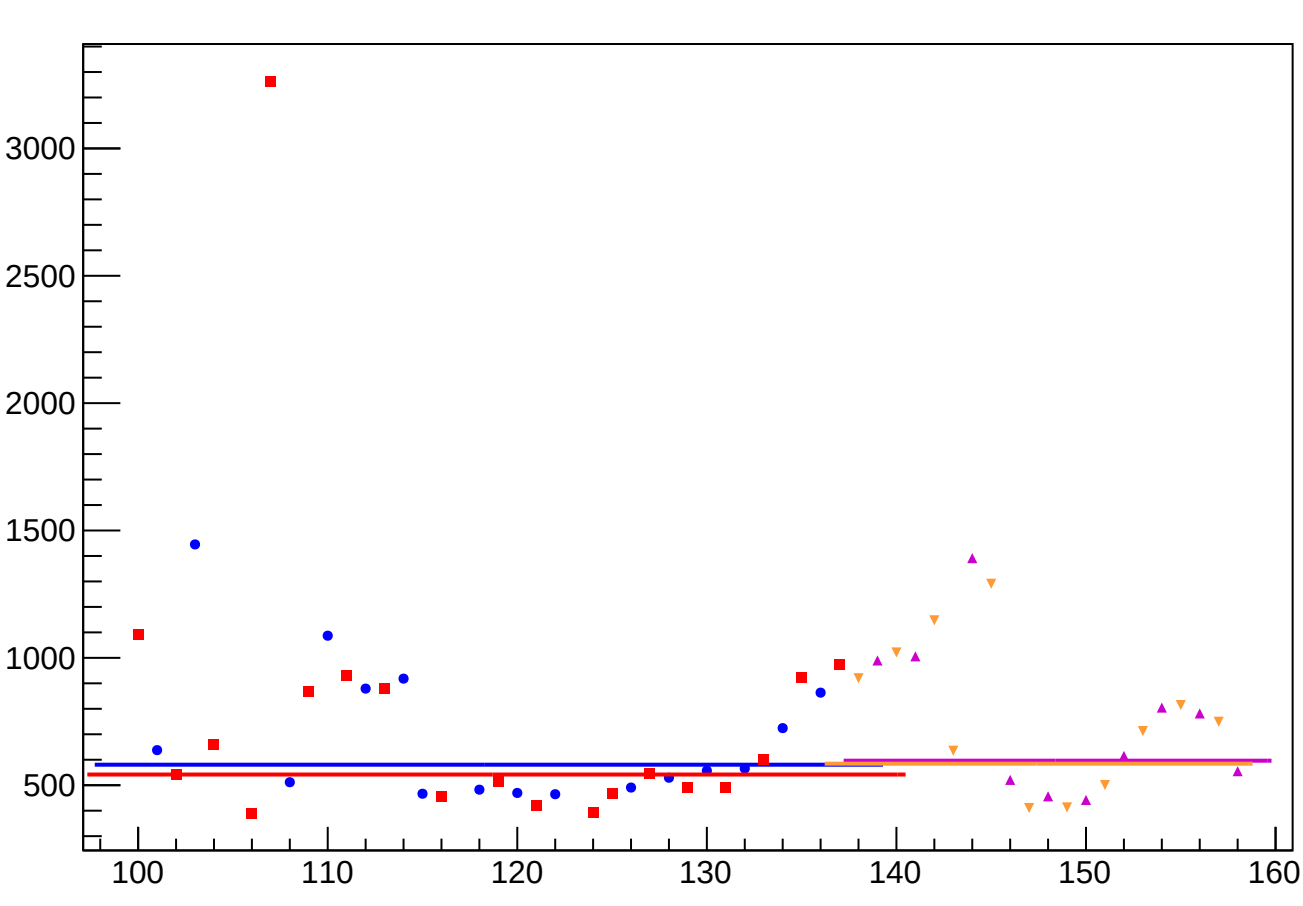
Left: -61.822+/-151.732 χ^2/NDF: 21.2/20

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -0.975+/-157.175 χ^2/NDF:20.8/25

Out: -165.325+/-154.102 χ^2/NDF:36.1/29

All: -84.772+/-110.037 χ^2/NDF: 57.4/55



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 584.473+/-0.151 χ^2/NDF:2057863.2/10

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 596.283+/-0.152 χ^2/NDF:1755077.2/9

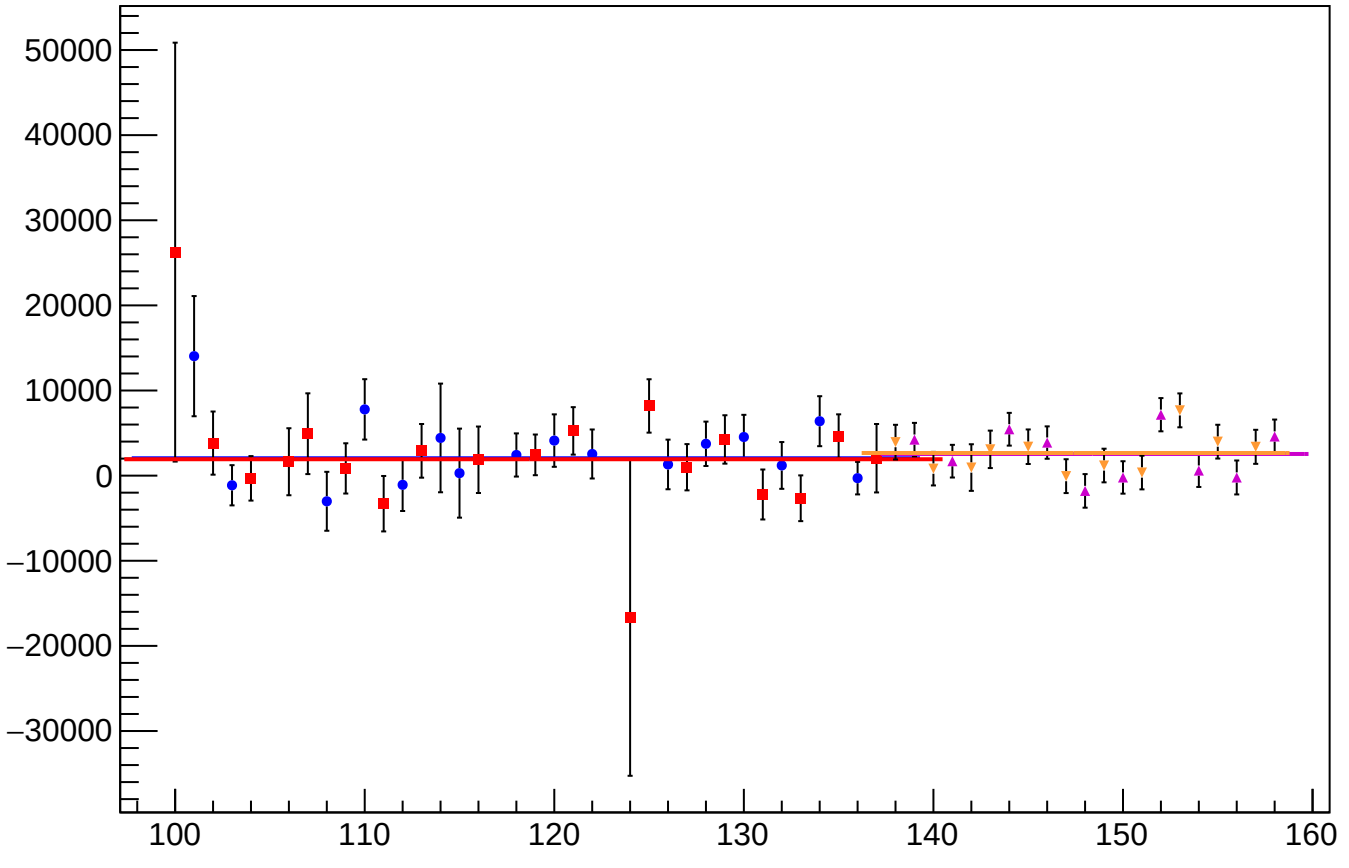
Left: 590.356+/-0.107 χ^2/NDF: 3815969.7/20

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 588.946+/-0.111 χ^2/NDF:2762983.6/25

Out: 563.956+/-0.109 χ^2/NDF:3414757.6/29

All: 576.204+/-0.078 χ^2/NDF: 6203519.8/55



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2659.987+/-619.851 χ^2/NDF:12.5/10

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2544.987+/-614.775 χ^2/NDF:20.2/9

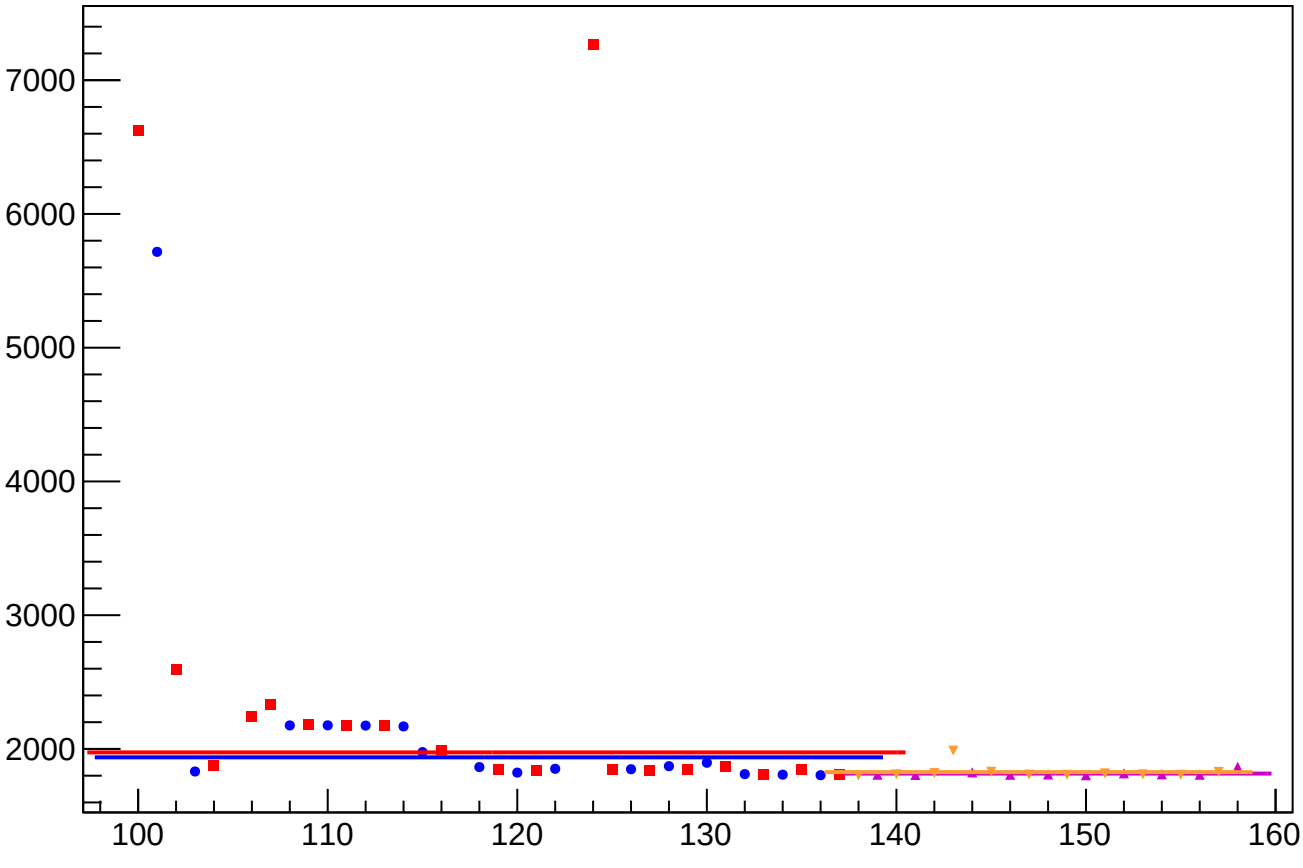
Left: 2602.014+/-436.495 χ^2/NDF: 32.8/20

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2337.046+/-471.884 χ^2/NDF:36.9/25

Out: 2356.204+/-474.488 χ^2/NDF:31.5/29

All: 2346.572+/-334.589 χ^2/NDF: 68.5/55



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.809+/-0.438 χ^2/NDF:11917.4/10

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

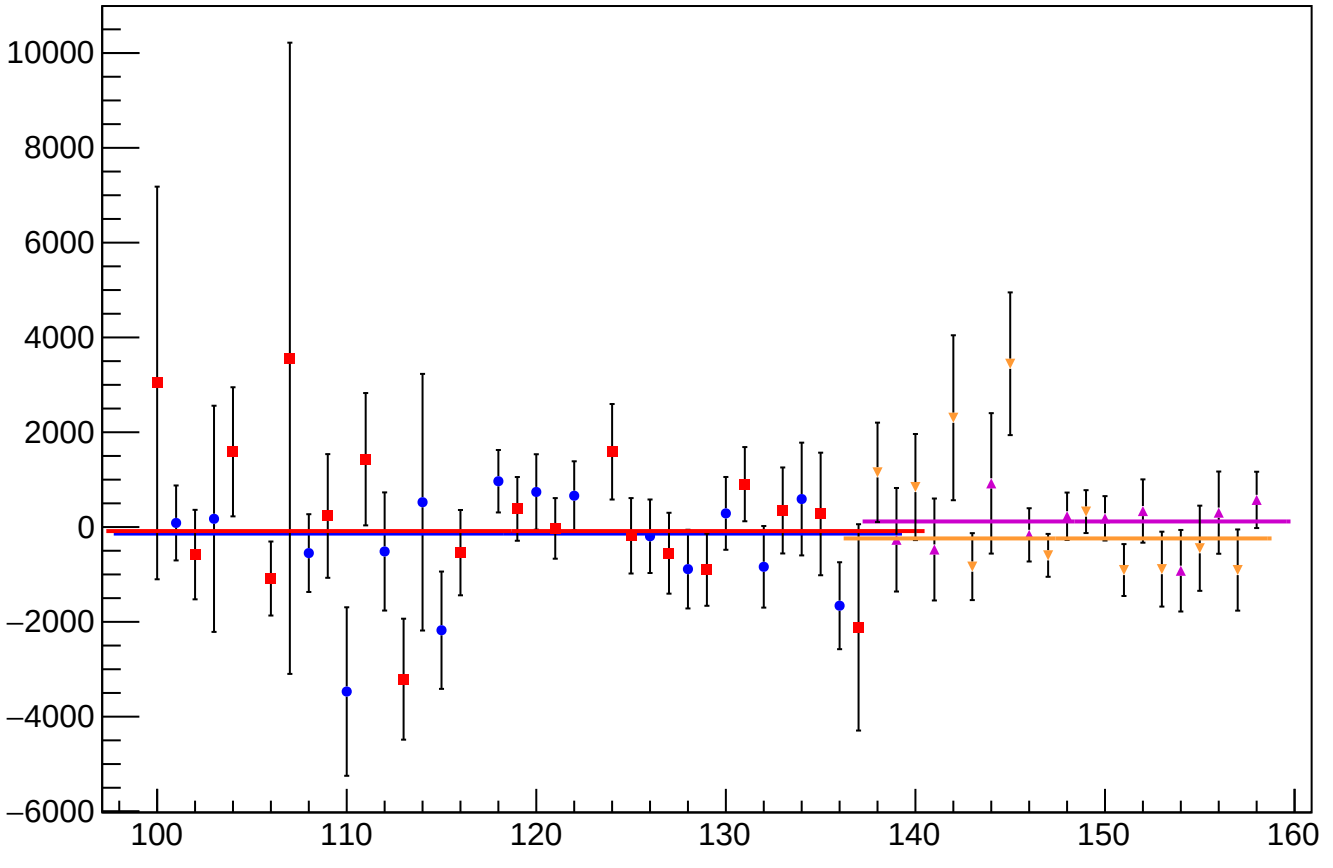
Left: 1821.280+/-0.309 χ^2/NDF: 13914.2/20

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1865.720+/-0.334 χ^2/NDF:671819.7/25

Out: 1887.815+/-0.336 χ^2/NDF:439139.0/29

All: 1876.707+/-0.237 χ^2/NDF: 1113139.1/55



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -240.227+/-214.190 χ^2/NDF:16.5/10

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 117.892+/-214.975 χ^2/NDF:3.2/9

Left: -61.822+/-151.732 χ^2/NDF: 21.2/20

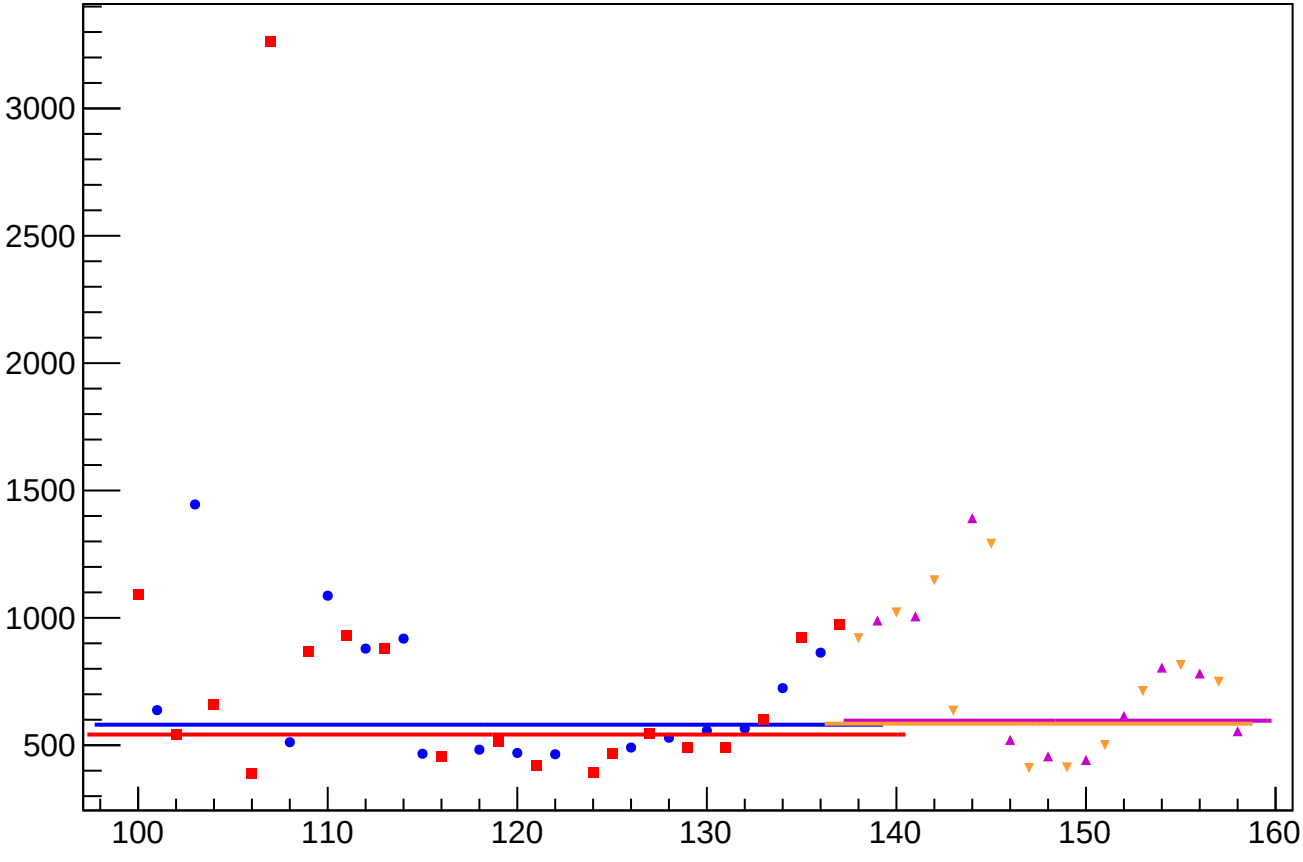
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -0.975+/-157.175 χ^2/NDF:20.8/25

Out: -165.325+/-154.102 χ^2/NDF:36.1/29

All: -84.772+/-110.037 χ^2/NDF: 57.4/55

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 584.473+/-0.151 χ^2/NDF:2057863.2/10

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 596.283+/-0.152 χ^2/NDF:1755077.2/9

Left: 590.356+/-0.107 χ^2/NDF: 3815969.7/20

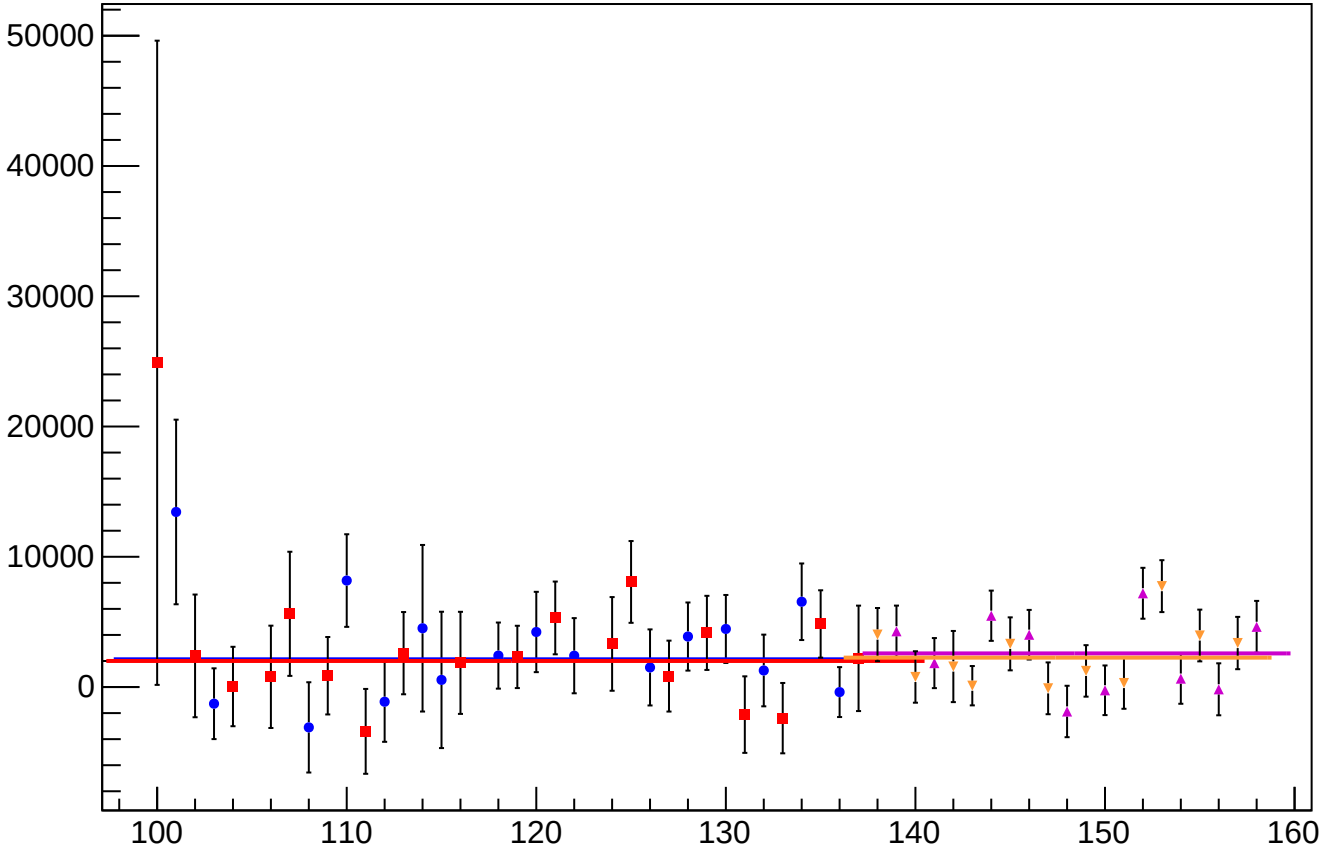
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 588.946+/-0.111 χ^2/NDF:2762983.6/25

Out: 563.956+/-0.109 χ^2/NDF:3414757.6/29

All: 576.204+/-0.078 χ^2/NDF: 6203519.8/55

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2257.123+/-594.617 χ^2/NDF:15.0/10

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2581.943+/-615.519 χ^2/NDF:20.6/9

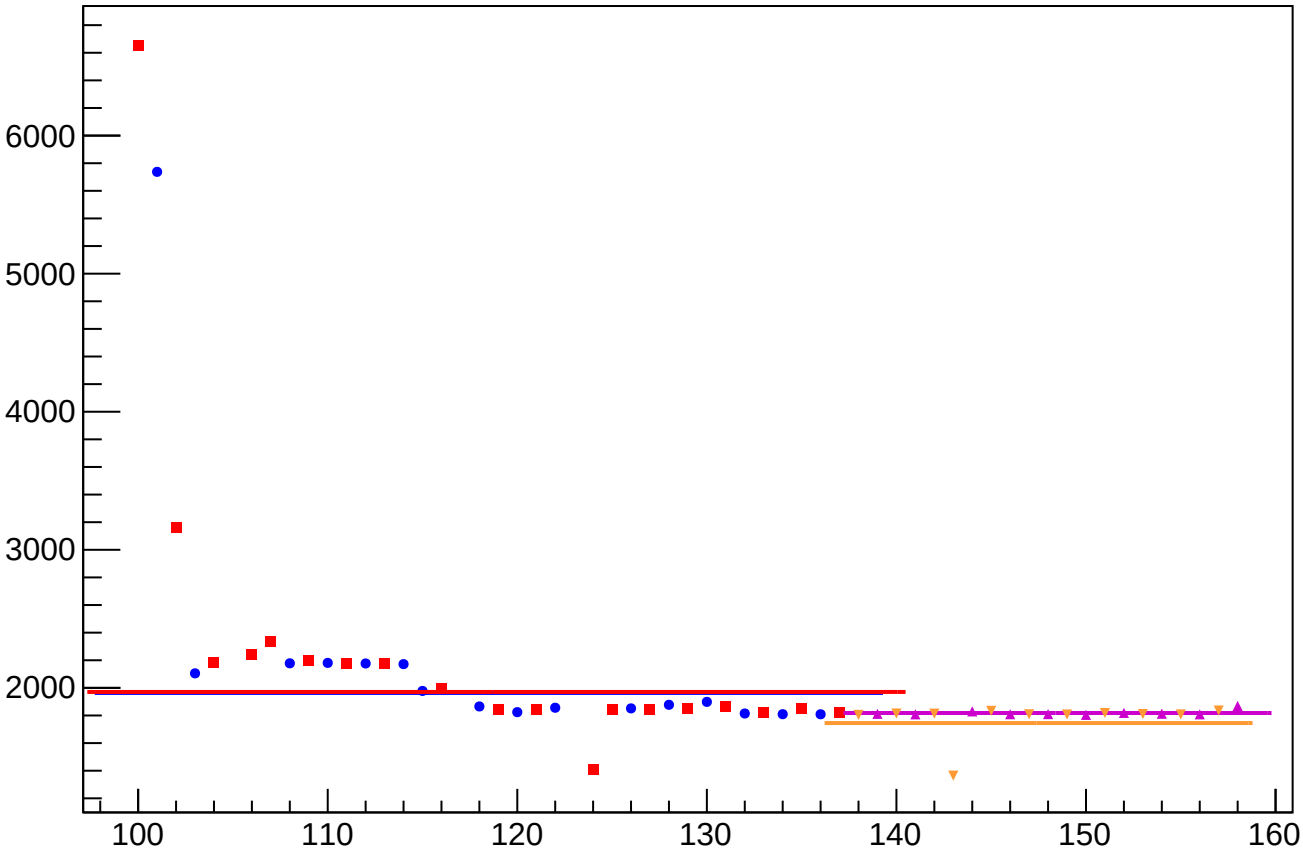
Left: 2413.925+/-427.656 χ^2/NDF: 35.7/20

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2398.453+/-474.836 χ^2/NDF:37.3/25

Out: 2156.651+/-462.825 χ^2/NDF:31.8/29

All: 2274.456+/-331.432 χ^2/NDF: 69.2/55



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1745.326+/-0.420 χ^2/NDF:151311.3/10

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1818.007+/-0.435 χ^2/NDF:1704.6/9

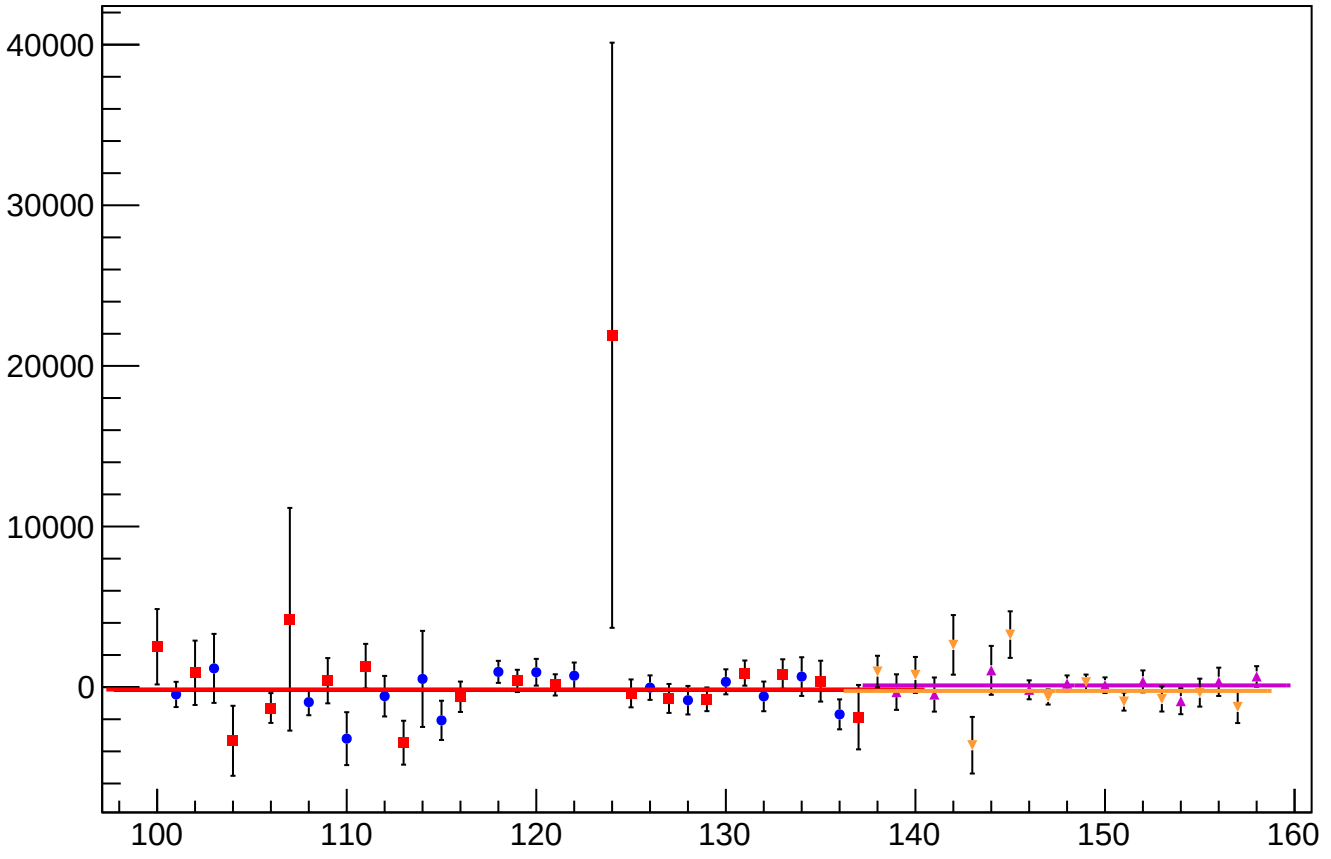
Left: 1780.412+/-0.302 χ^2/NDF: 167440.5/20

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1876.880+/-0.336 χ^2/NDF:687149.4/25

Out: 1834.064+/-0.327 χ^2/NDF:609451.3/29

All: 1854.924+/-0.234 χ^2/NDF: 1304939.6/55



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -235.651+/-230.175 χ^2/NDF:18.9/10

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 106.780+/-220.688 χ^2/NDF:3.5/9

Left: -57.233+/-159.298 χ^2/NDF: 23.6/20

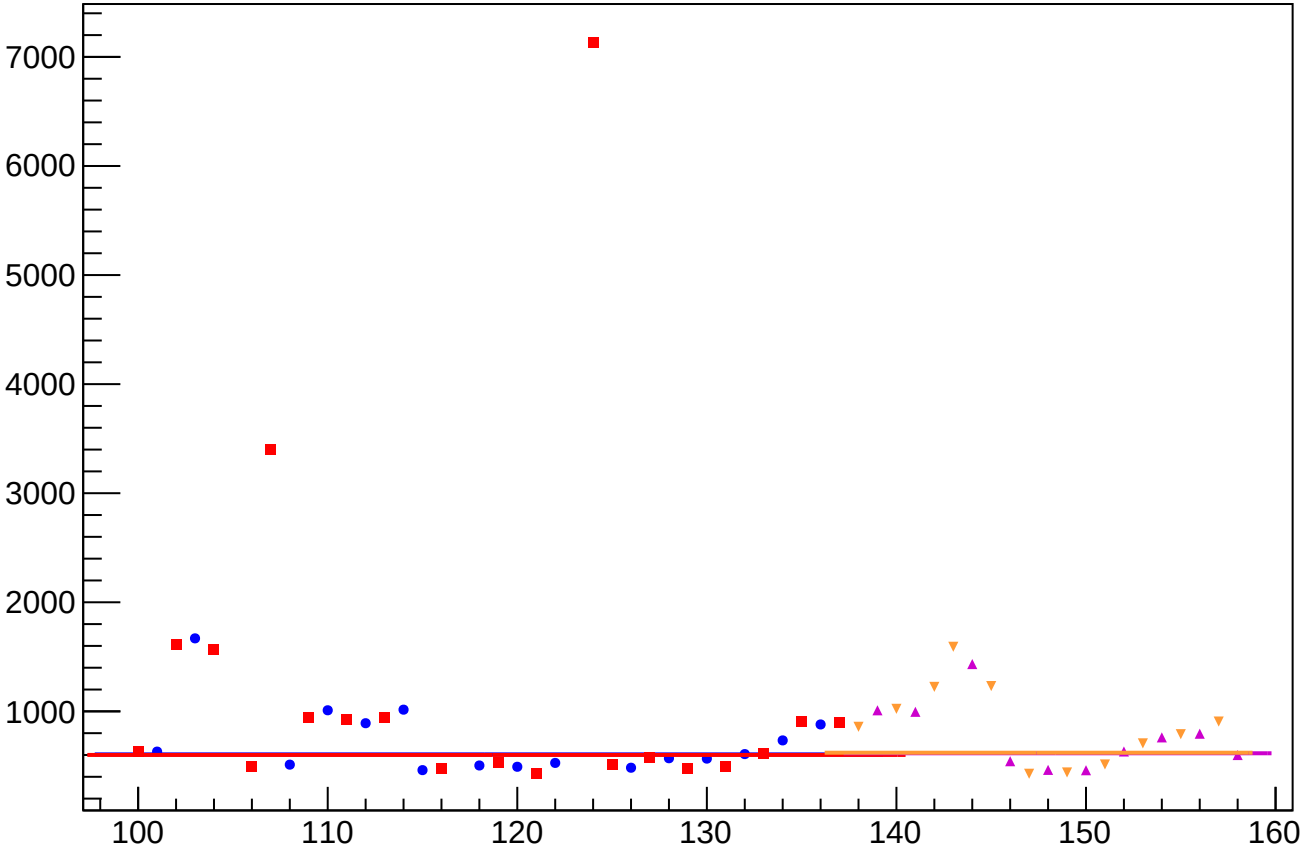
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -22.169+/-161.481 χ^2/NDF:21.5/25

Out: -193.930+/-167.059 χ^2/NDF:39.1/29

All: -105.134+/-116.106 χ^2/NDF: 61.1/55

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 620.754+/-0.163 χ^2/NDF:2503415.9/10

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 615.704+/-0.156 χ^2/NDF:1651969.3/9

Left: 618.123+/-0.113 χ^2/NDF: 4155886.9/20

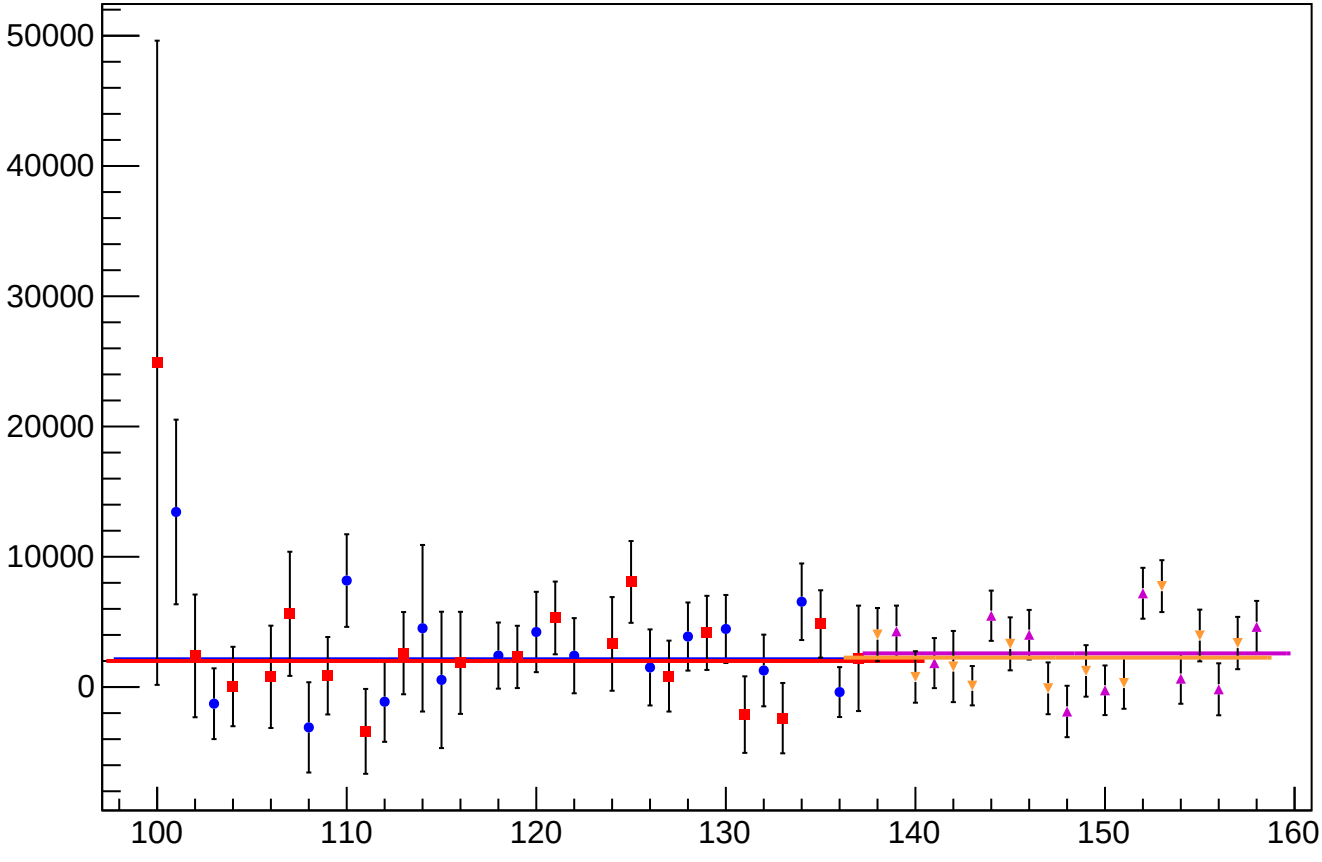
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 610.931+/-0.114 χ^2/NDF:2816437.8/25

Out: 611.144+/-0.118 χ^2/NDF:4839306.8/29

All: 611.034+/-0.082 χ^2/NDF: 7655746.2/55

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2257.124+/-594.617 χ^2/NDF:15.0/10

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2581.944+/-615.519 χ^2/NDF:20.6/9

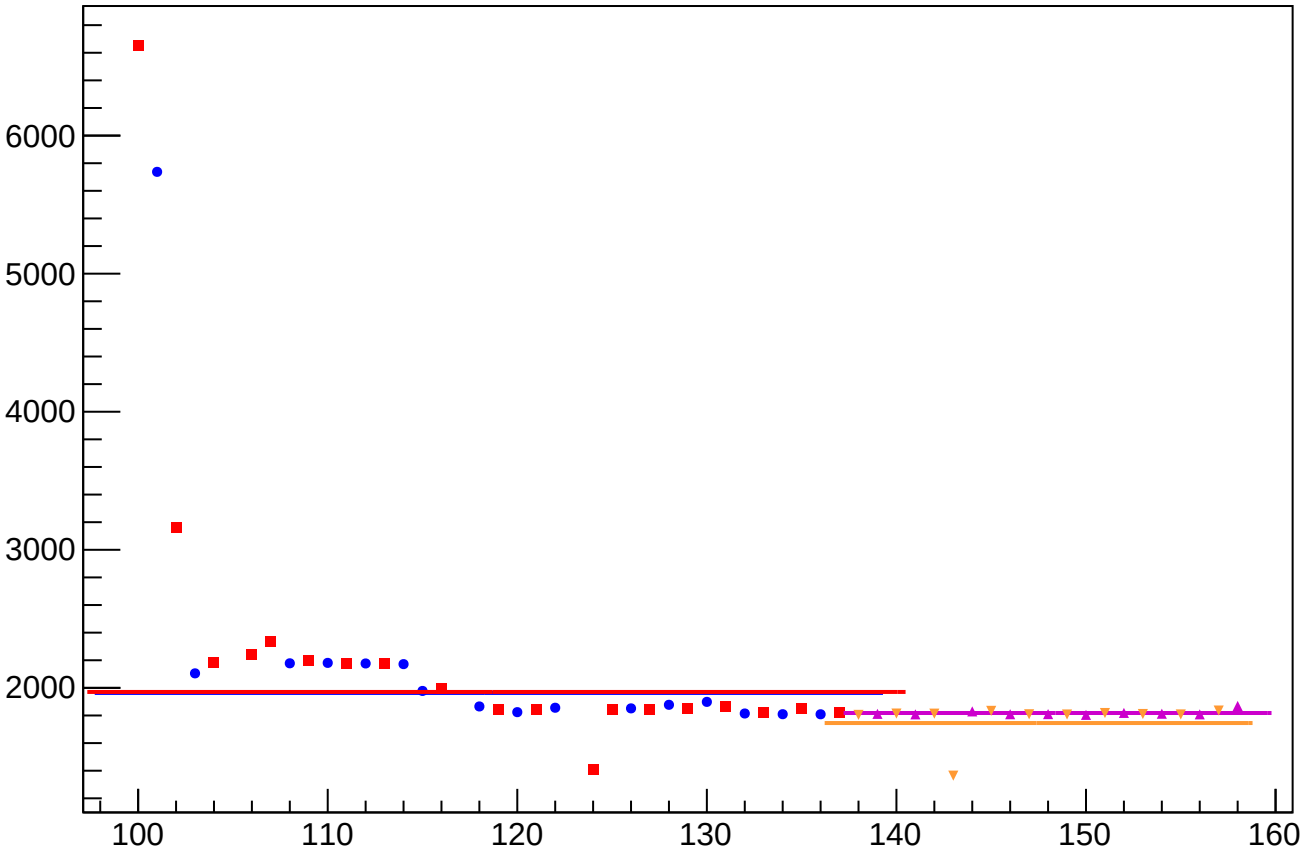
Left: 2413.925+/-427.656 χ^2/NDF: 35.7/20

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2398.453+/-474.836 χ^2/NDF:37.3/25

Out: 2156.651+/-462.825 χ^2/NDF:31.8/29

All: 2274.455+/-331.432 χ^2/NDF: 69.2/55



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1745.326+/-0.420 χ^2/NDF:151311.3/10

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1818.007+/-0.435 χ^2/NDF:1704.6/9

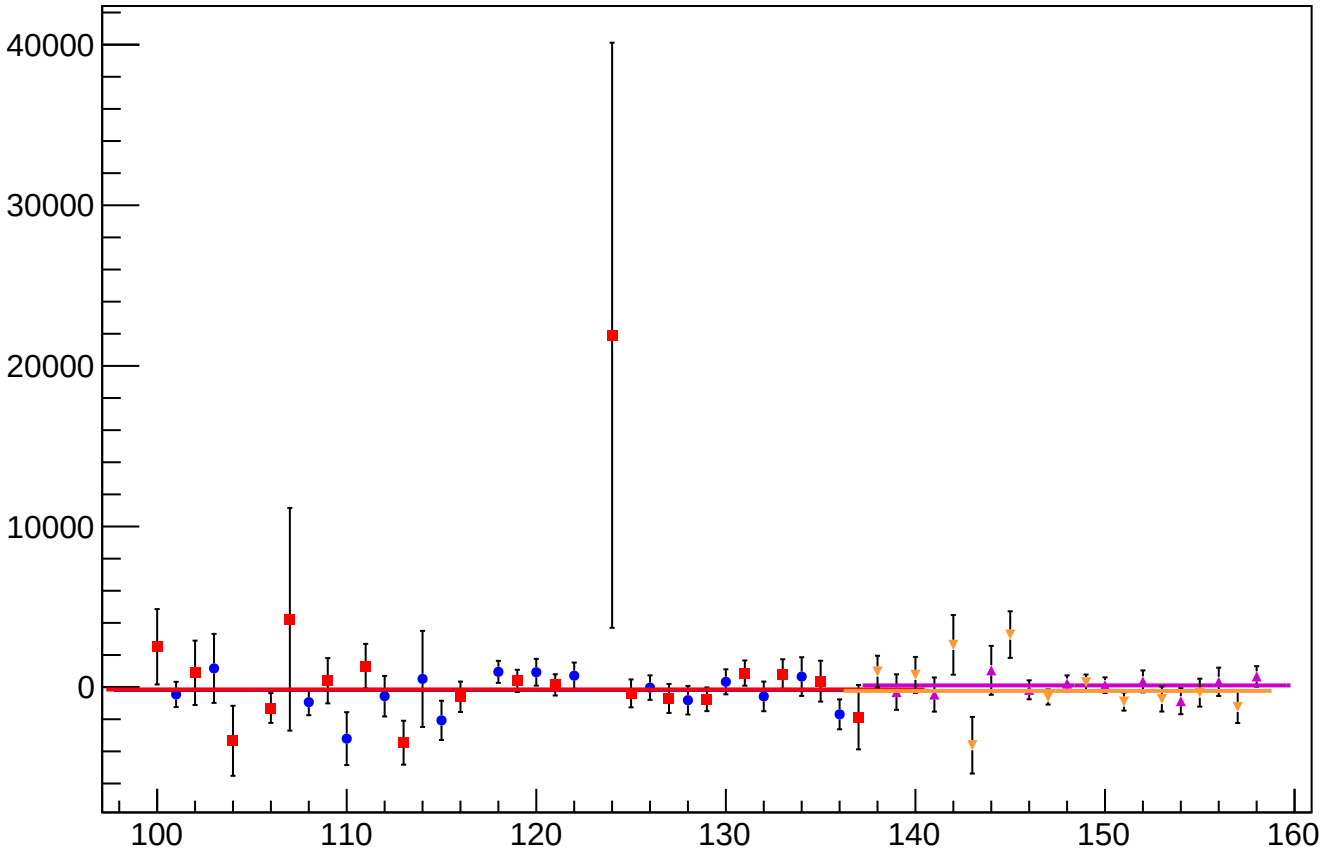
Left: 1780.412+/-0.302 χ^2/NDF: 167440.5/20

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1876.880+/-0.336 χ^2/NDF:687149.0/25

Out: 1834.064+/-0.327 χ^2/NDF:609449.7/29

All: 1854.924+/-0.234 χ^2/NDF: 1304937.6/55



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -235.651+/-230.175 χ^2/NDF:18.9/10

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 106.780+/-220.688 χ^2/NDF:3.5/9

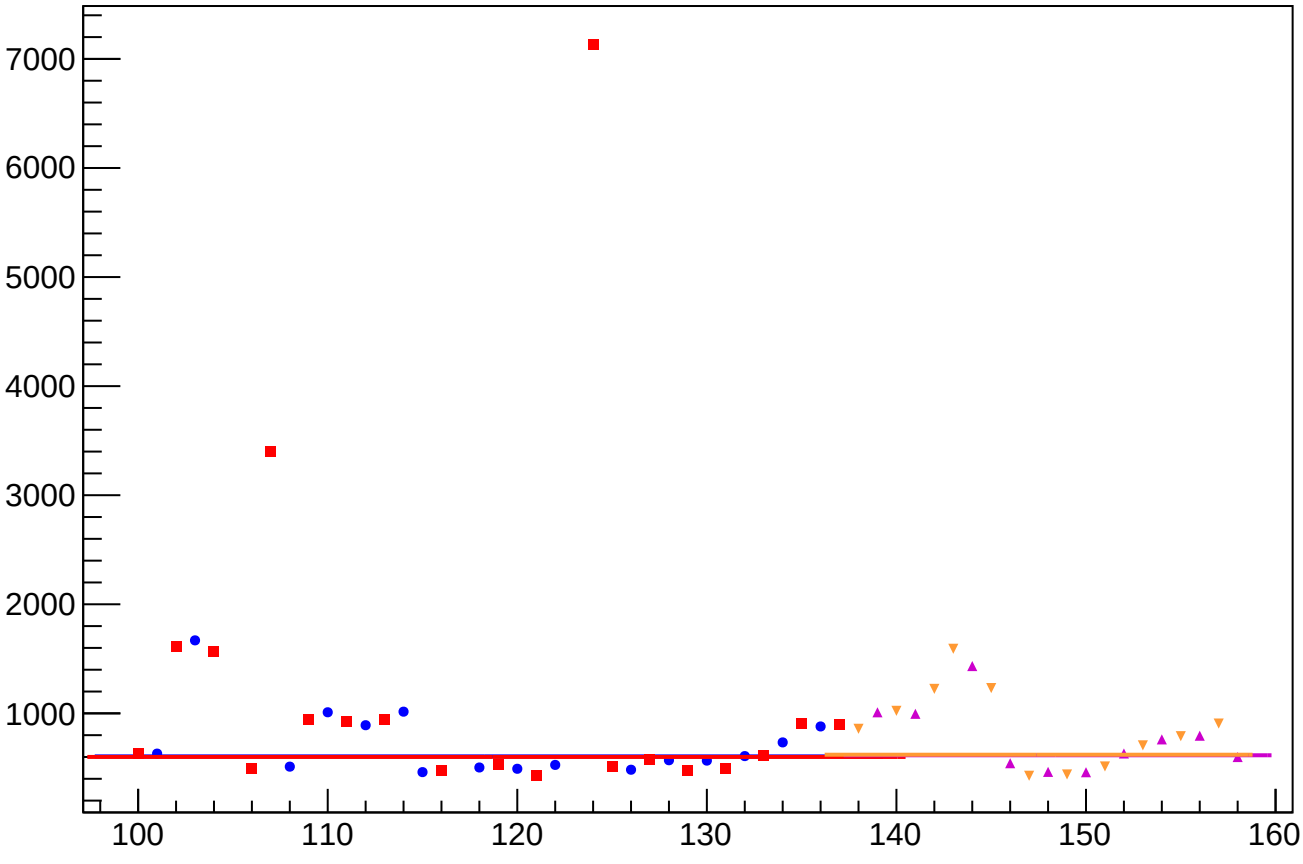
Left: -57.233+/-159.299 χ^2/NDF: 23.6/20

Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -22.169+/-161.481 χ^2/NDF:21.5/25

Out: -193.930+/-167.059 χ^2/NDF:39.1/29

All: -105.134+/-116.106 χ^2/NDF: 61.1/55



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 620.755+/-0.163 χ^2/NDF:2503407.6/10

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 615.705+/-0.156 χ^2/NDF:1651964.0/9

Left: 618.124+/-0.113 χ^2/NDF: 4155873.2/20

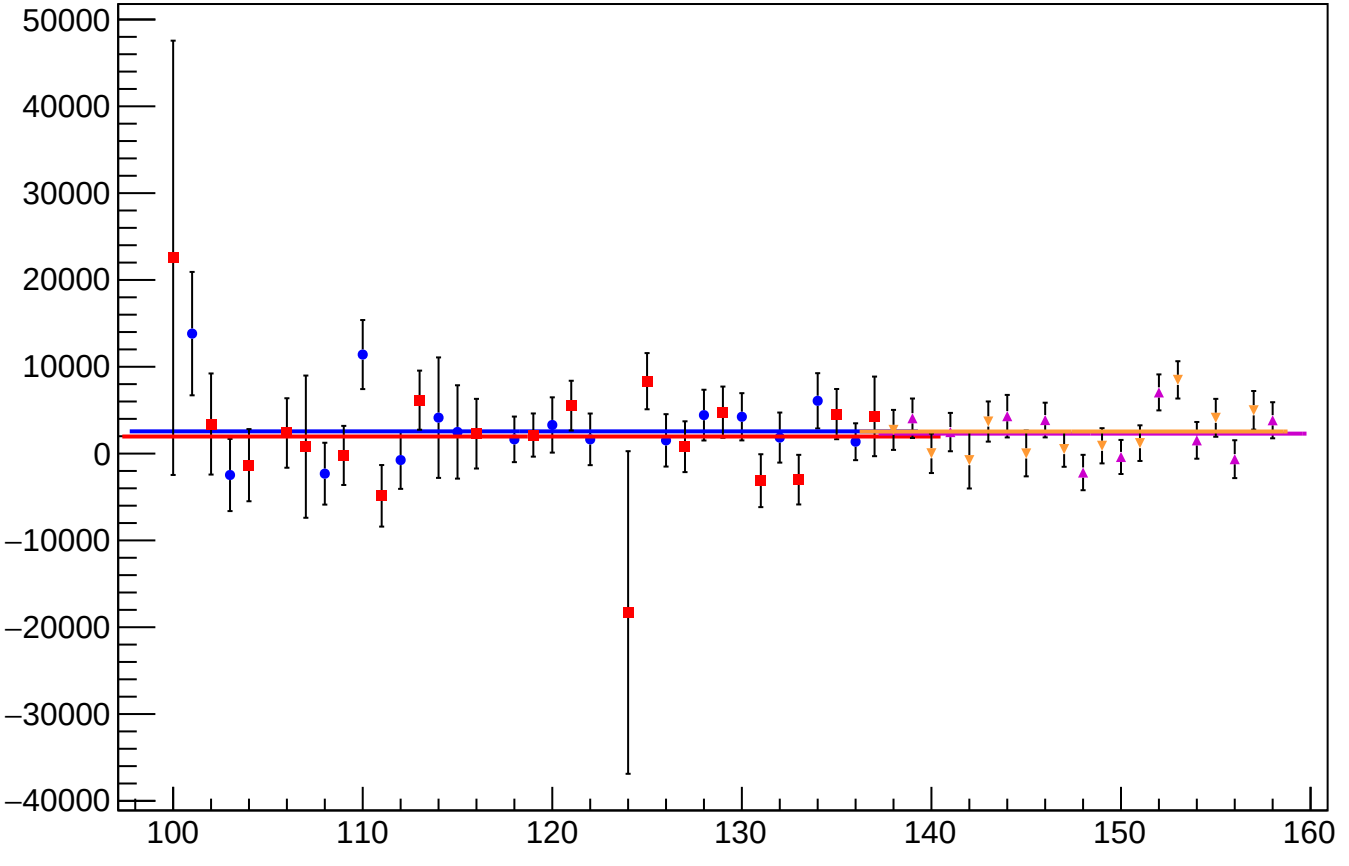
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 610.931+/-0.114 χ^2/NDF:2816441.2/25

Out: 611.144+/-0.118 χ^2/NDF:4839307.8/29

All: 611.034+/-0.082 χ^2/NDF: 7655750.6/55

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2543.639+/-681.130 χ^2/NDF:14.9/10

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 2298.945+/-672.069 χ^2/NDF:16.4/9

Left: 2419.653+/-478.396 χ^2/NDF: 31.3/20

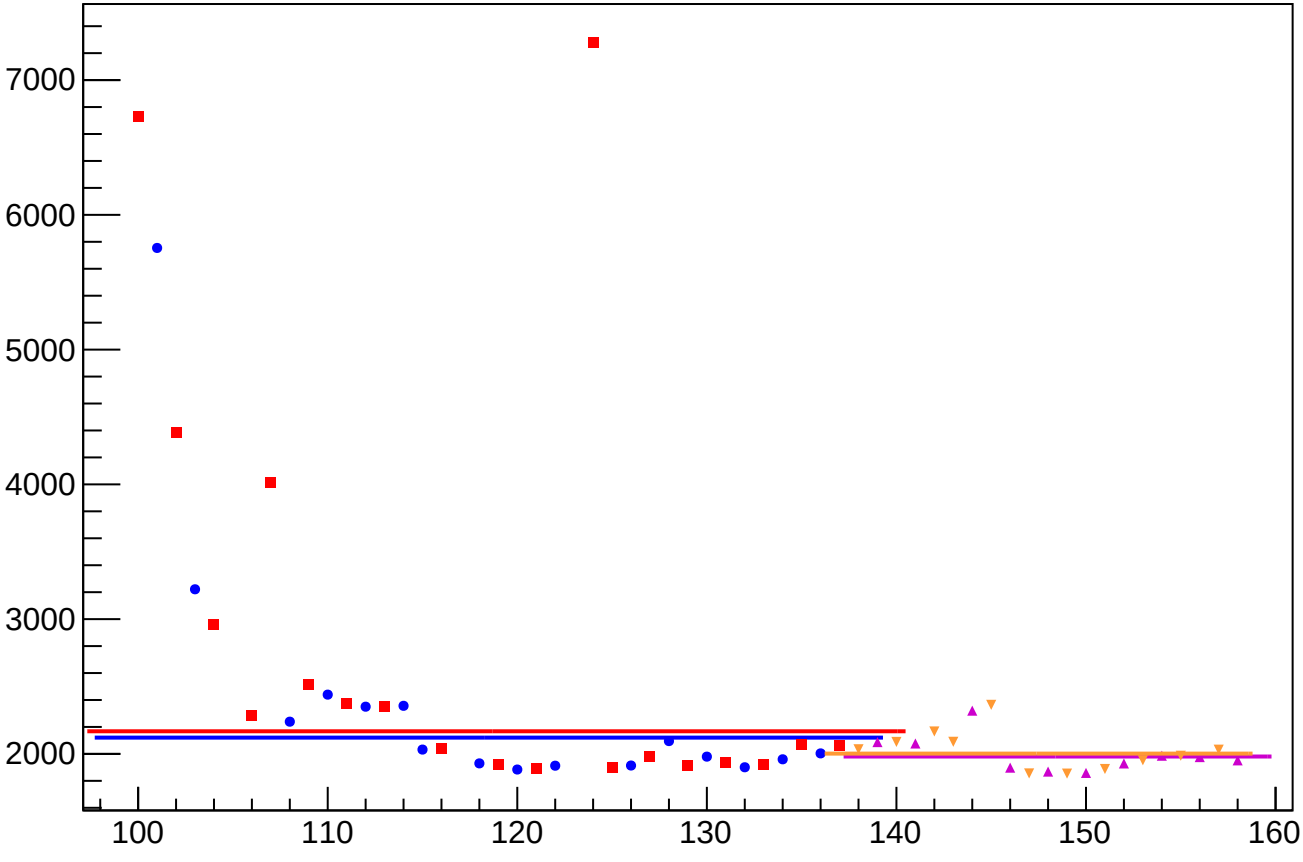
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2405.835+/-517.128 χ^2/NDF:31.0/25

Out: 2307.707+/-523.647 χ^2/NDF:36.7/29

All: 2357.385+/-367.948 χ^2/NDF: 67.8/55

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2002.104+/-0.482 χ^2/NDF:77678.2/10

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1980.524+/-0.475 χ^2/NDF:65629.0/9

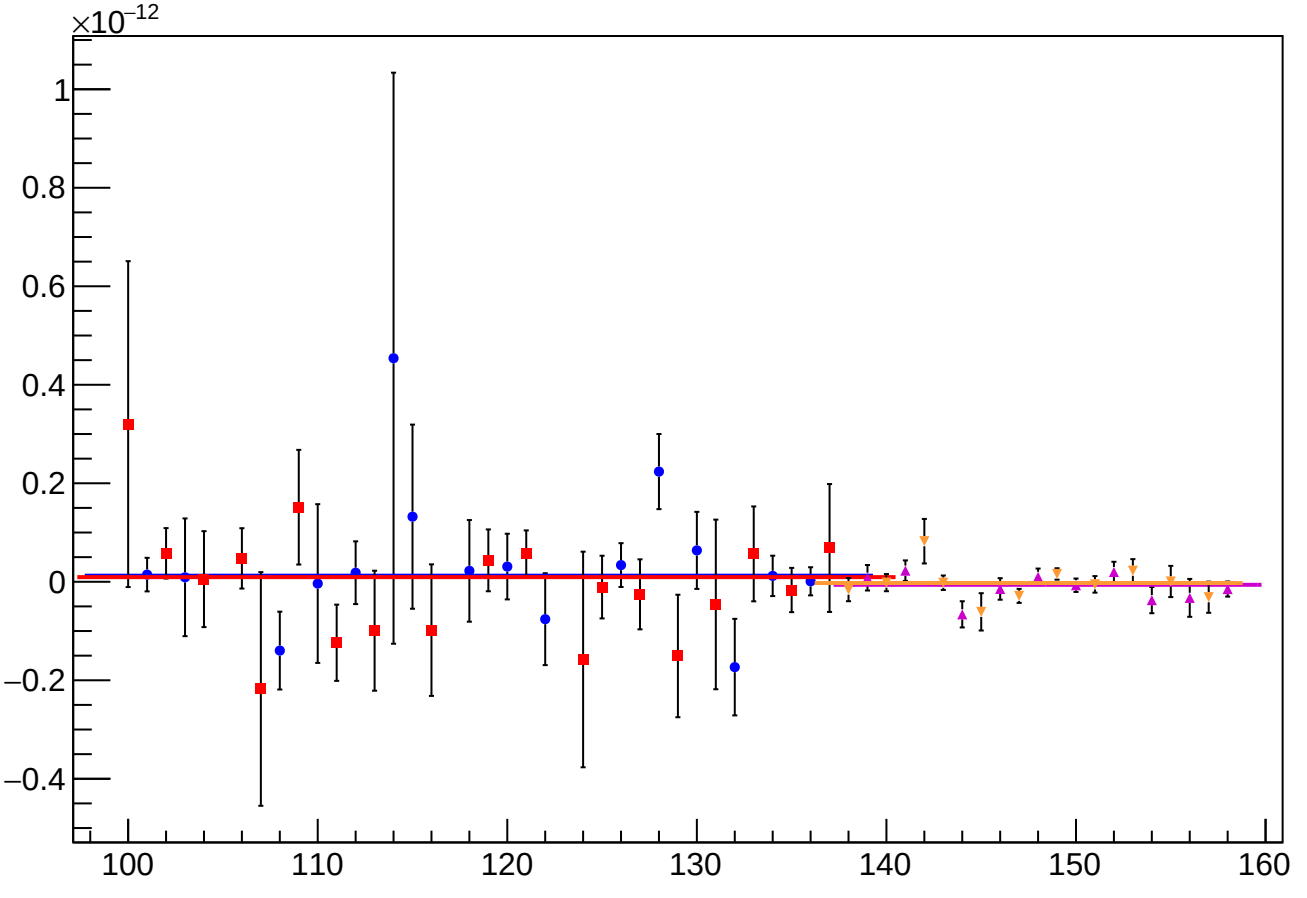
Left: 1991.170+/-0.338 χ^2/NDF: 144324.4/20

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2037.739+/-0.366 χ^2/NDF:861130.3/25

Out: 2069.884+/-0.370 χ^2/NDF:950030.2/29

All: 2053.610+/-0.260 χ^2/NDF: 1814976.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/9

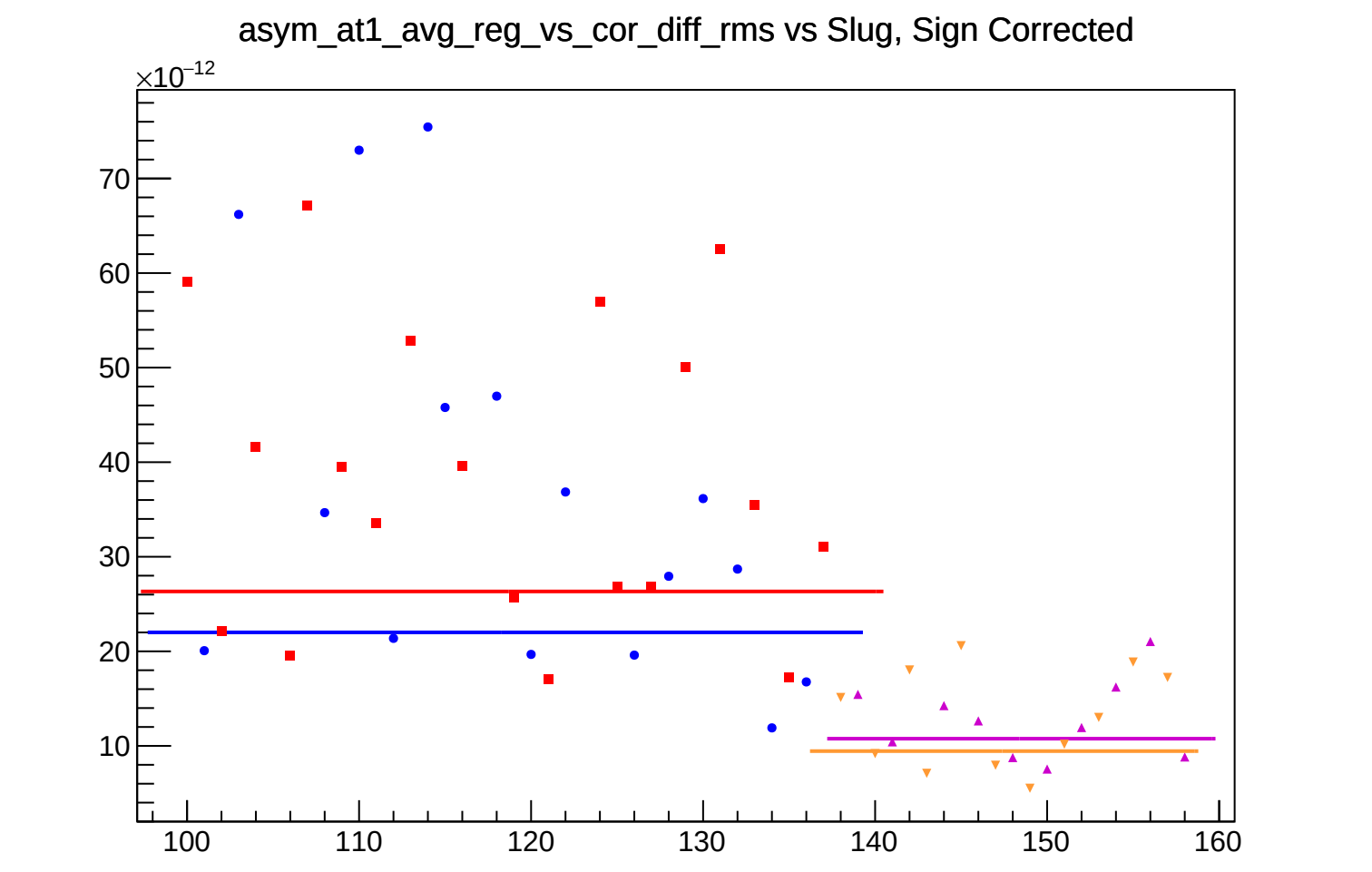
Left: -0.000+/-0.000 χ^2/NDF: 26.4/20

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:31.2/25

Out: -0.000+/-0.000 χ^2/NDF:28.3/29

All: -0.000+/-0.000 χ^2/NDF: 59.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1011517.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

Left In: 0.000+/-0.000 χ^2/NDF:520098.9/9

Left: 0.000+/-0.000 χ^2/NDF: 1579043.7/20

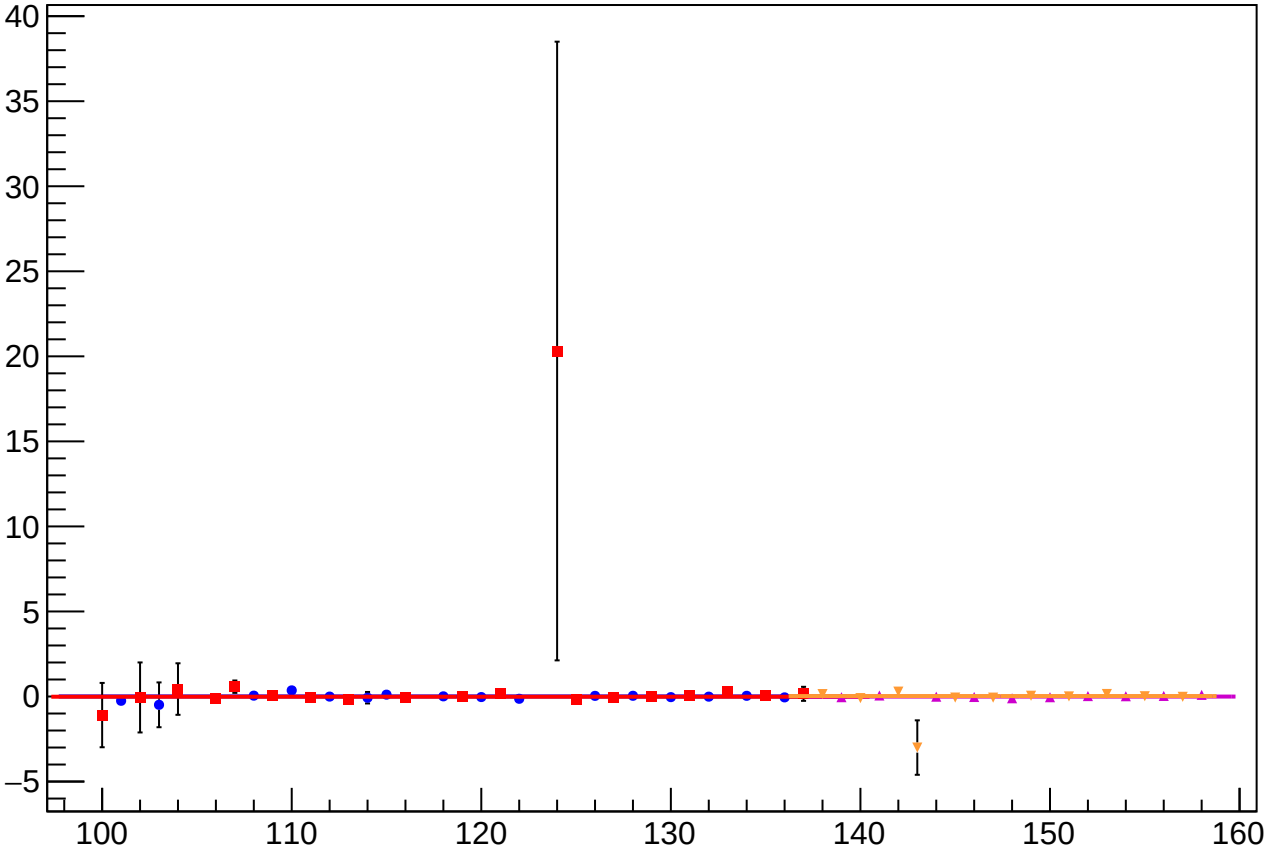
Right: 0.000+/-0.000 χ^2/NDF: 1806874.5/34

In: 0.000+/-0.000 χ^2/NDF:2535769.4/25

Out: 0.000+/-0.000 χ^2/NDF:3309922.8/29

All: 0.000+/-0.000 χ^2/NDF: 5919364.1/55

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: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.018 χ^2/NDF:11.2/9

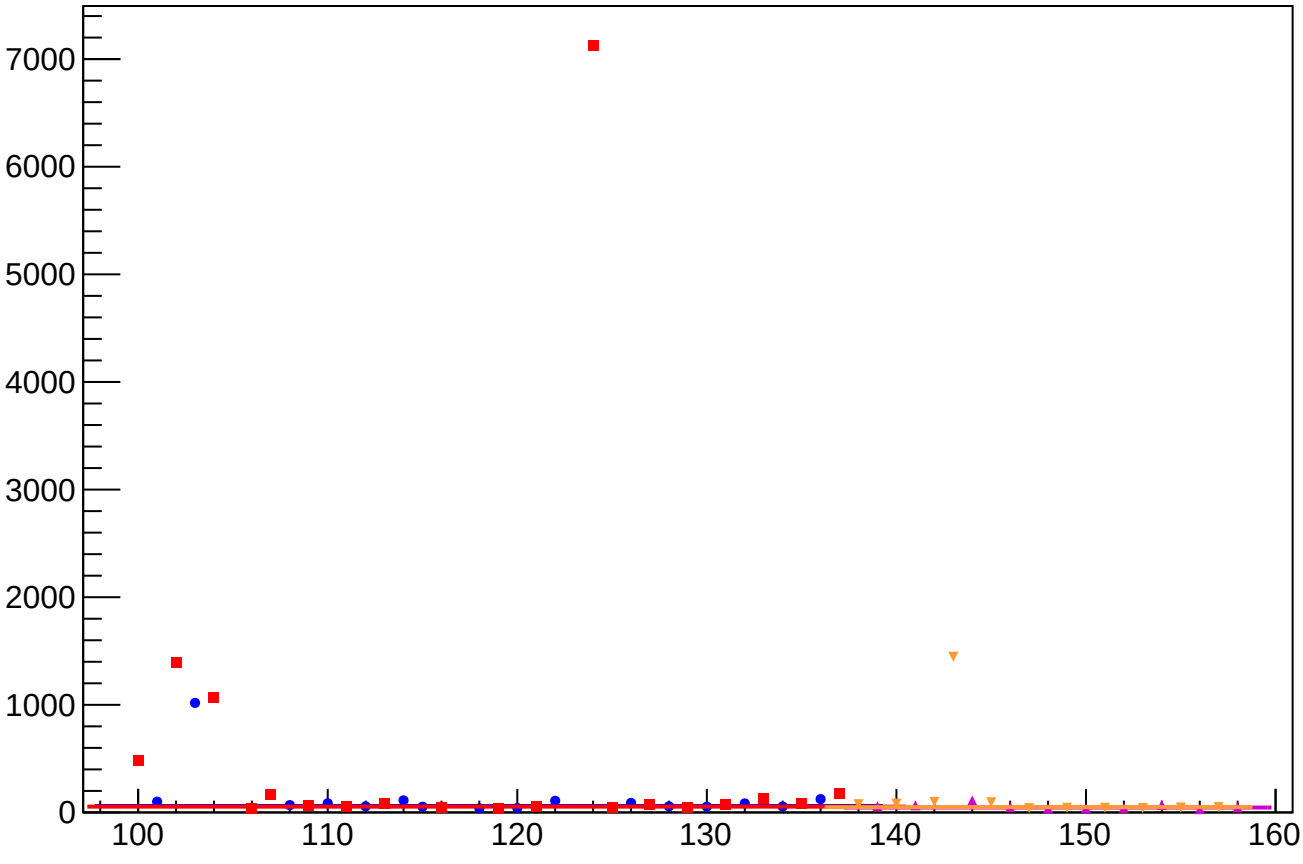
Left: 0.009+/-0.013 χ^2/NDF: 33.5/20

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.015 χ^2/NDF:22.7/25

Out: 0.011+/-0.016 χ^2/NDF:40.1/29

All: 0.005+/-0.011 χ^2/NDF: 63.1/55



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621303.9/10

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.594+/-0.012 χ^2/NDF:1327617.9/9

Left: 47.114+/-0.009 χ^2/NDF: 3982809.1/20

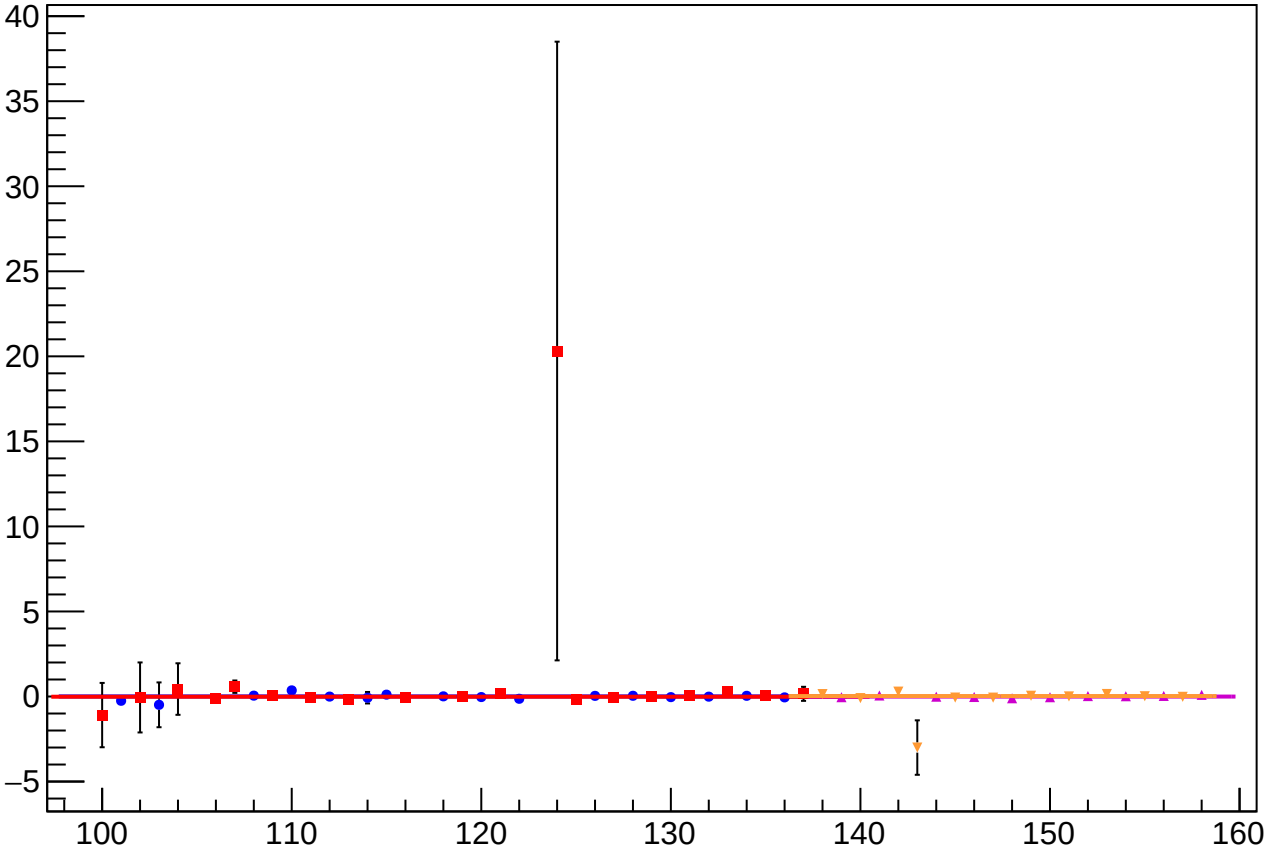
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.895+/-0.010 χ^2/NDF:4263424.5/25

Out: 50.962+/-0.011 χ^2/NDF:6194320.5/29

All: 50.393+/-0.008 χ^2/NDF: 10462681.4/55

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: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.018 χ^2/NDF:11.2/9

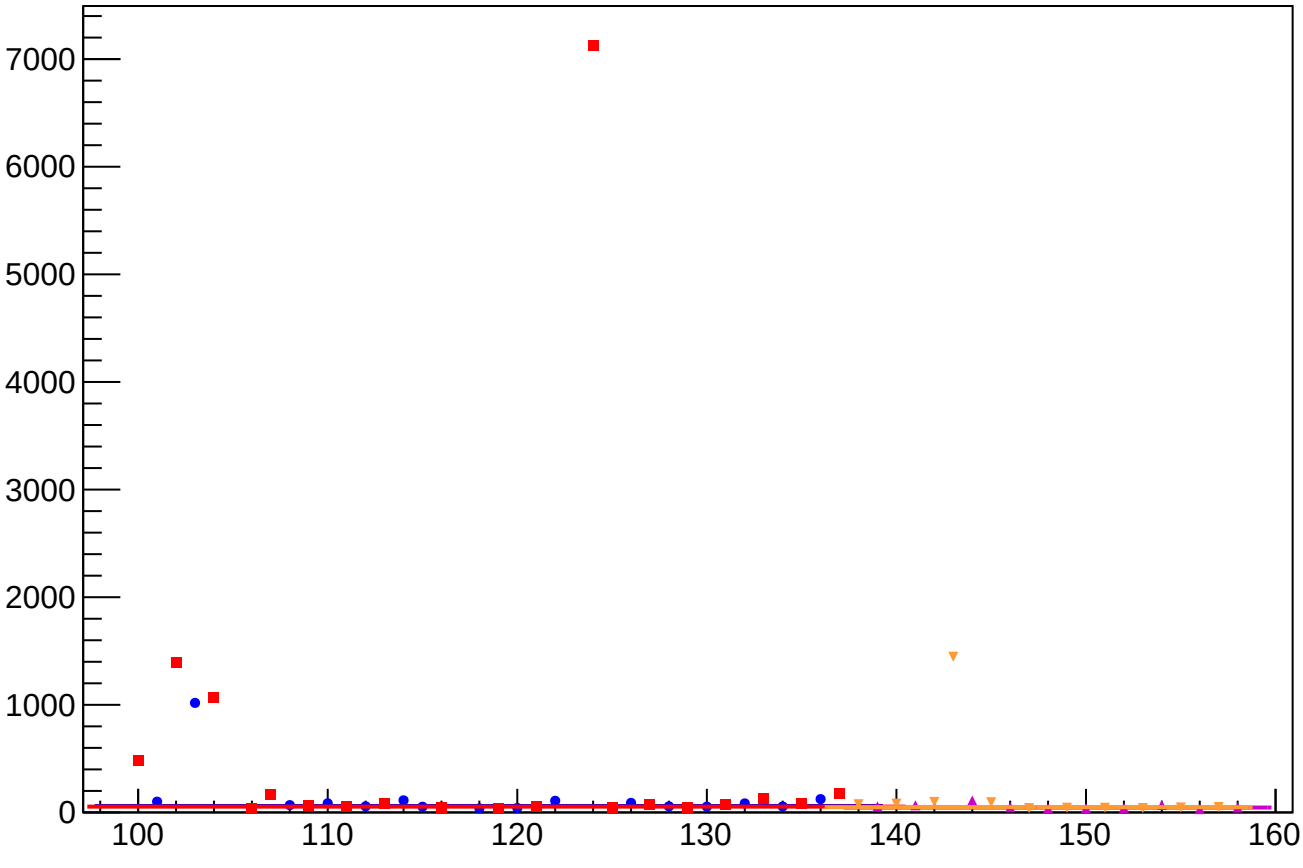
Left: 0.009+/-0.013 χ^2/NDF: 33.5/20

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.015 χ^2/NDF:22.7/25

Out: 0.011+/-0.016 χ^2/NDF:40.1/29

All: 0.005+/-0.011 χ^2/NDF: 63.1/55



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621303.9/10

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.594+/-0.012 χ^2/NDF:1327617.9/9

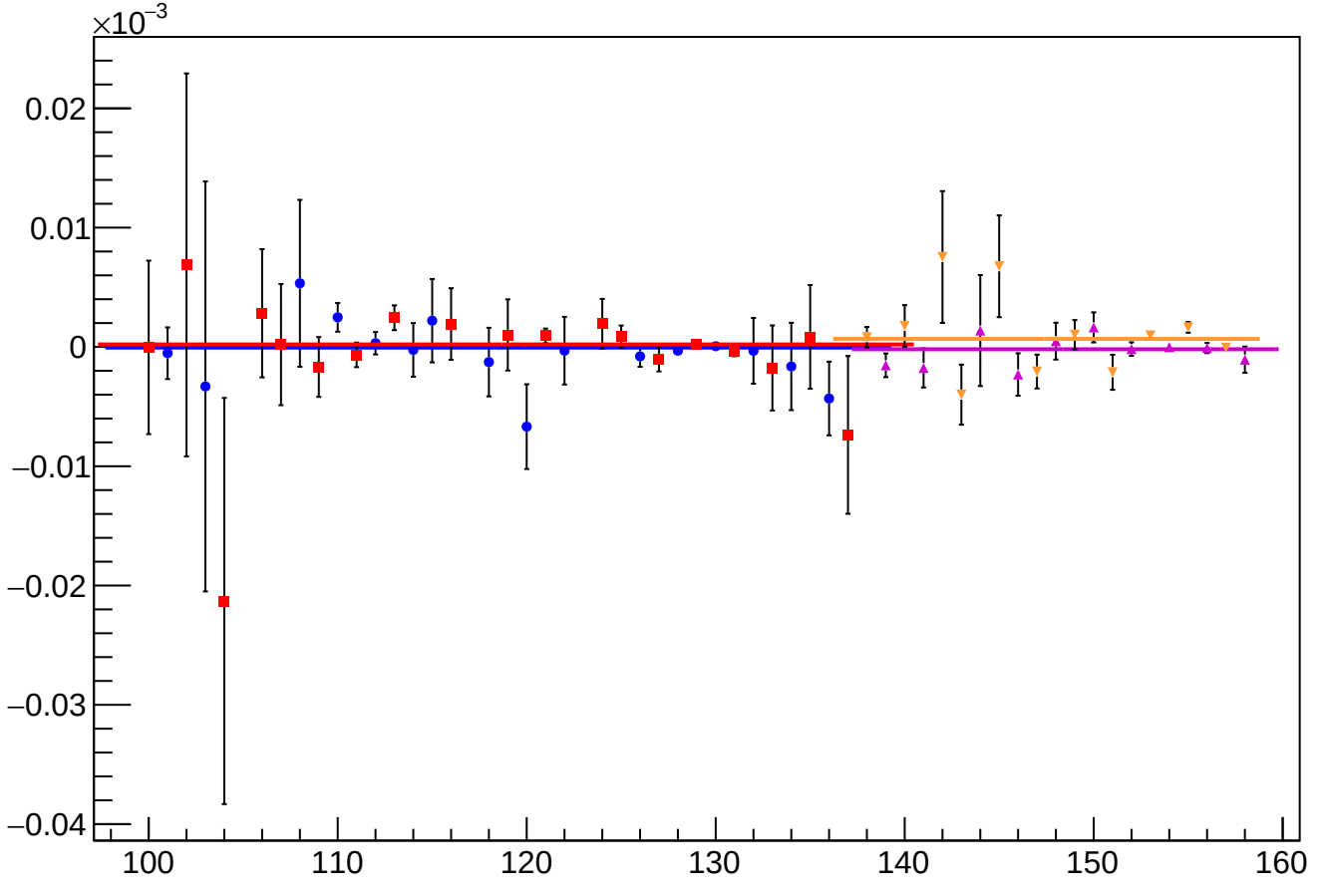
Left: 47.114+/-0.009 χ^2/NDF: 3982809.1/20

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.895+/-0.010 χ^2/NDF:4263424.5/25

Out: 50.962+/-0.011 χ^2/NDF:6194320.5/29

All: 50.393+/-0.008 χ^2/NDF: 10462681.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/9

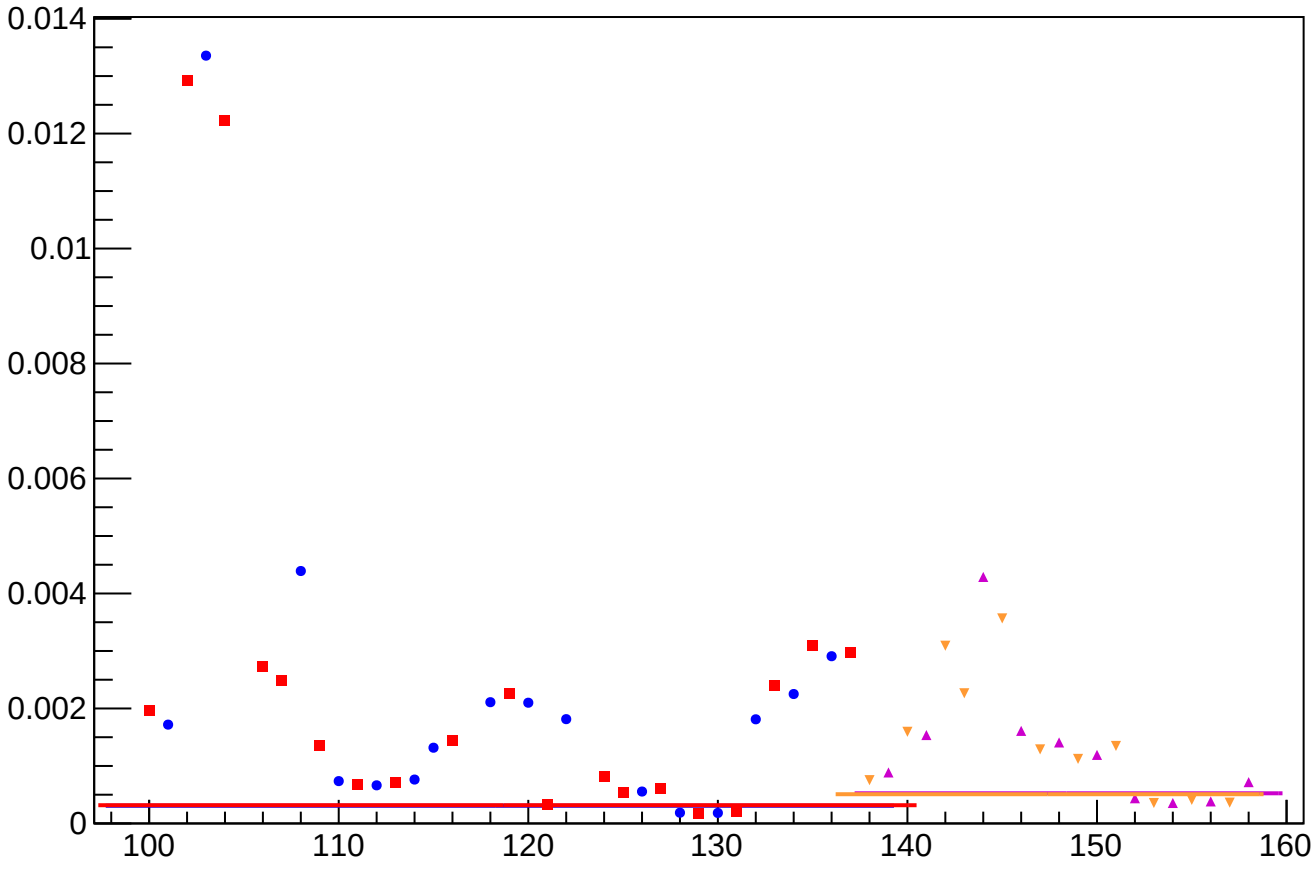
Left: 0.000+/-0.000 χ^2/NDF: 38.6/20

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:20.5/25

Out: 0.000+/-0.000 χ^2/NDF:41.7/29

All: 0.000+/-0.000 χ^2/NDF: 68.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5803800.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:5023613.8/9

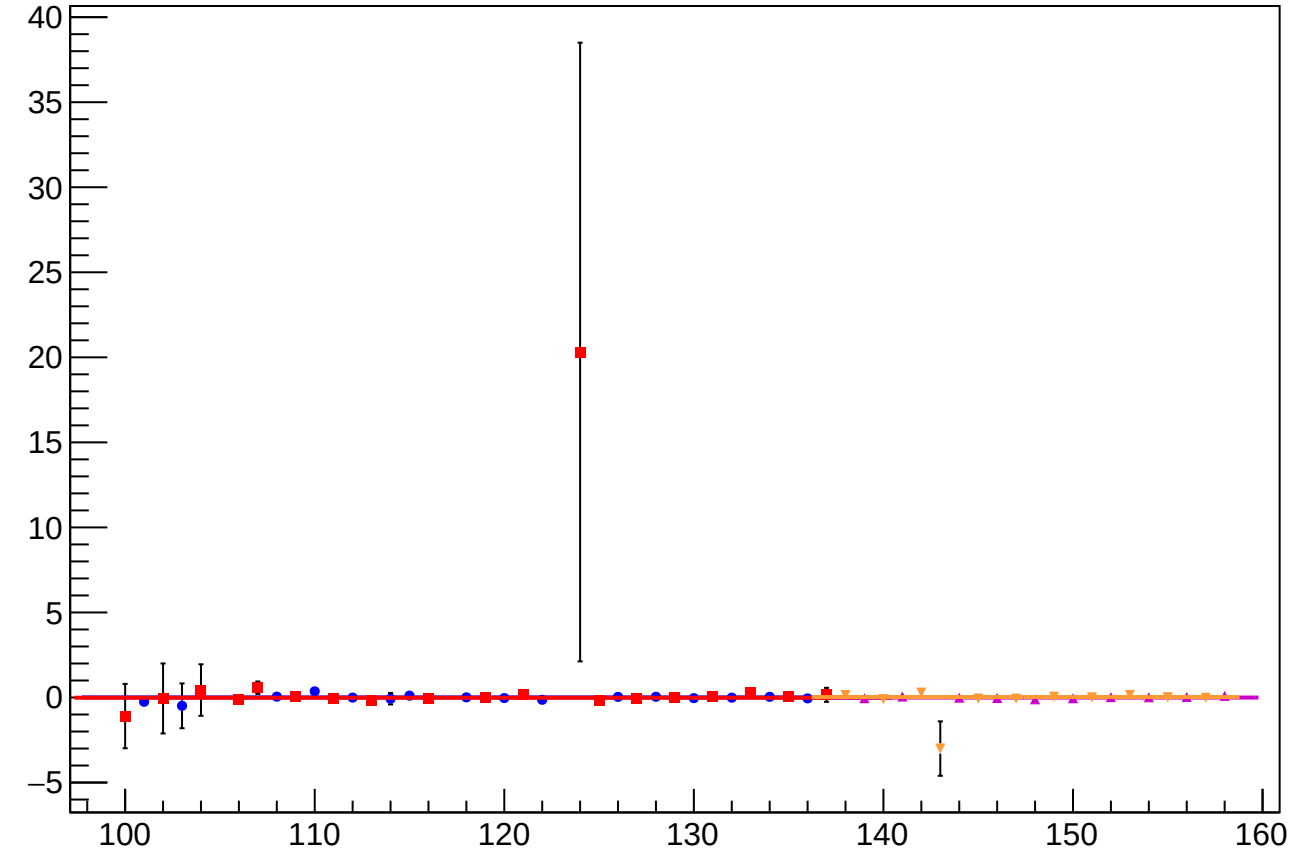
Left: 0.001+/-0.000 χ^2/NDF: 10832676.9/20

Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:14824875.6/25

Out: 0.000+/-0.000 χ^2/NDF:14689286.2/29

All: 0.000+/-0.000 χ^2/NDF: 29514574.1/55



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.018 χ^2/NDF:11.2/9

Left: 0.009+/-0.013 χ^2/NDF: 33.5/20

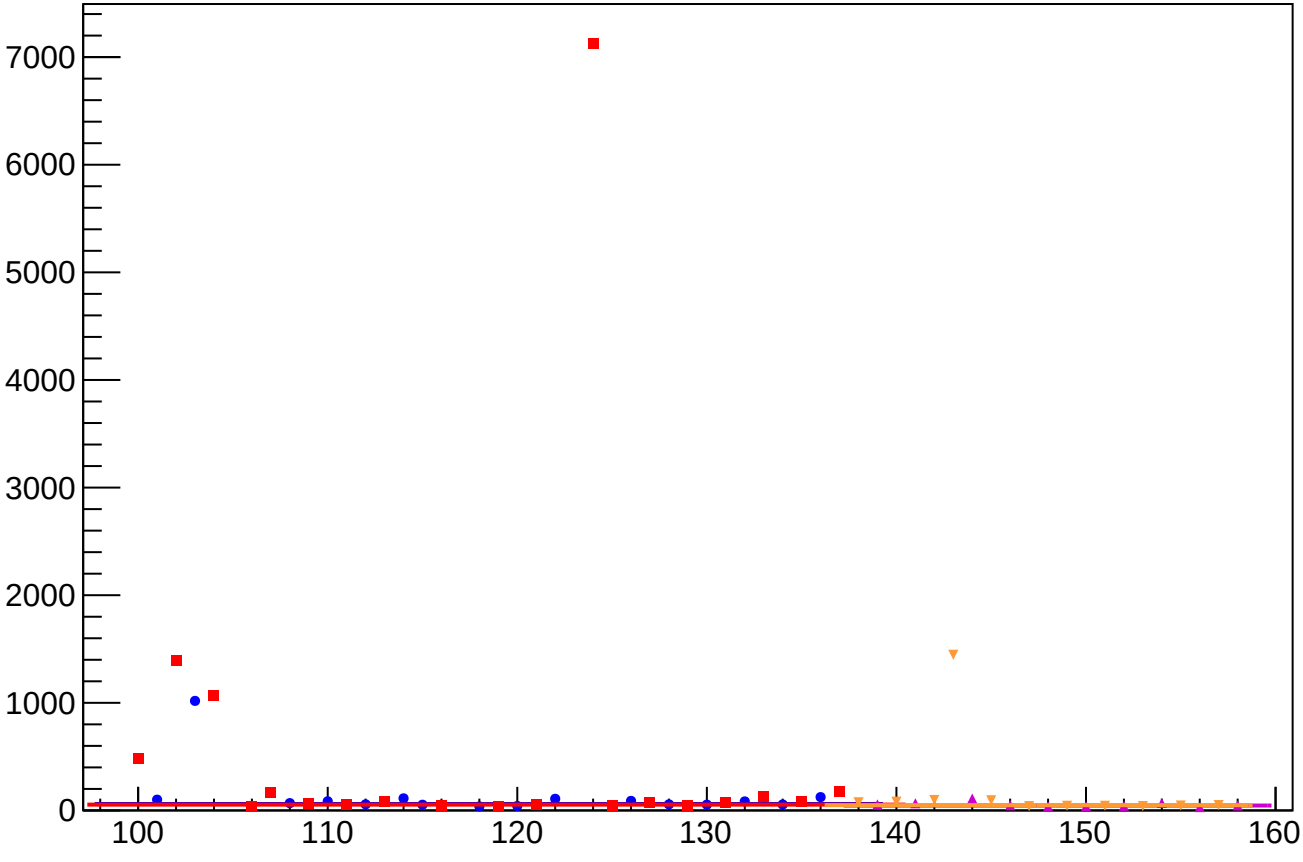
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.015 χ^2/NDF:22.7/25

Out: 0.011+/-0.016 χ^2/NDF:40.1/29

All: 0.005+/-0.011 χ^2/NDF: 63.1/55

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: 49.036+/-0.014 χ^2/NDF:2621287.5/10

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.594+/-0.012 χ^2/NDF:1327634.0/9

Left: 47.114+/-0.009 χ^2/NDF: 3982814.7/20

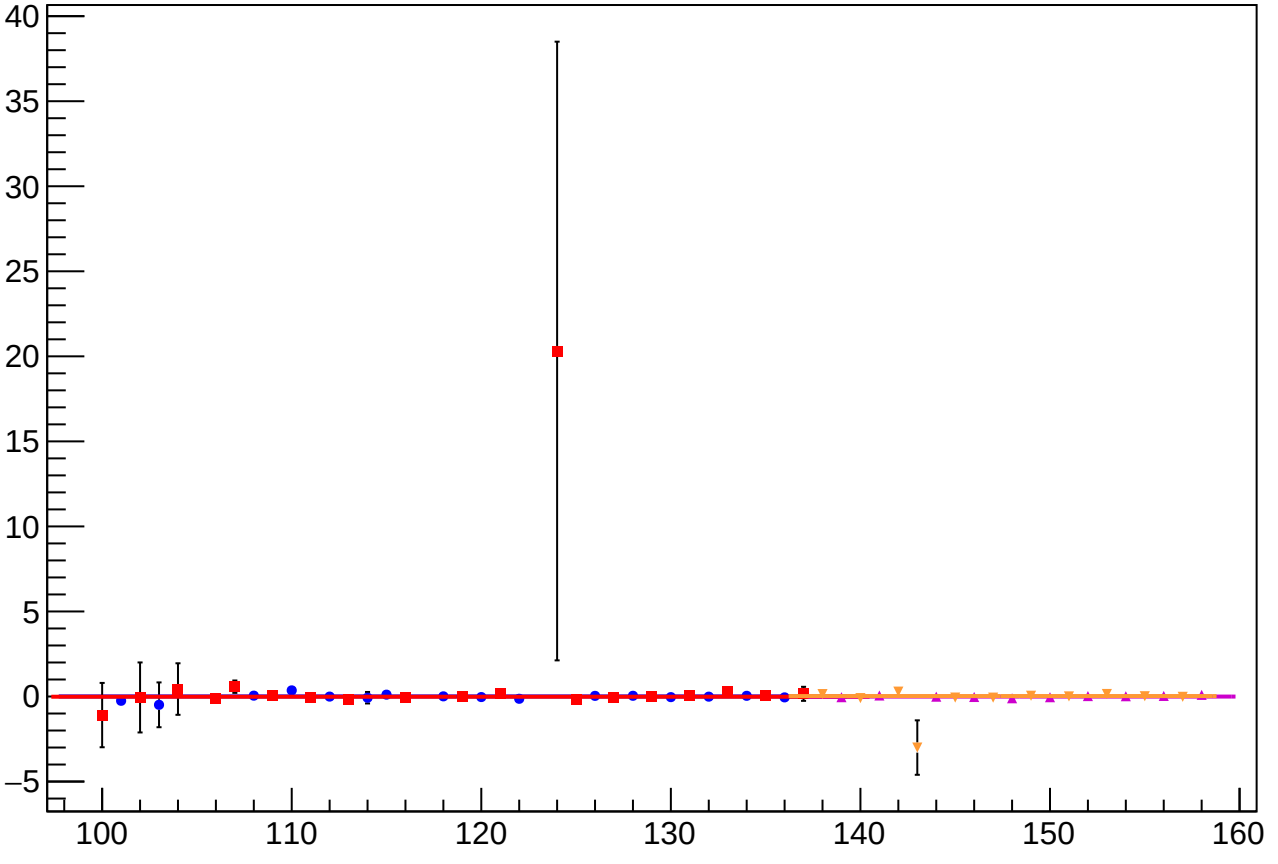
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.894+/-0.010 χ^2/NDF:4263451.2/25

Out: 50.962+/-0.011 χ^2/NDF:6194340.4/29

All: 50.393+/-0.008 χ^2/NDF: 10462727.2/55

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: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.004+/-0.018 χ^2/NDF:11.2/9

Left: 0.009+/-0.013 χ^2/NDF: 33.5/20

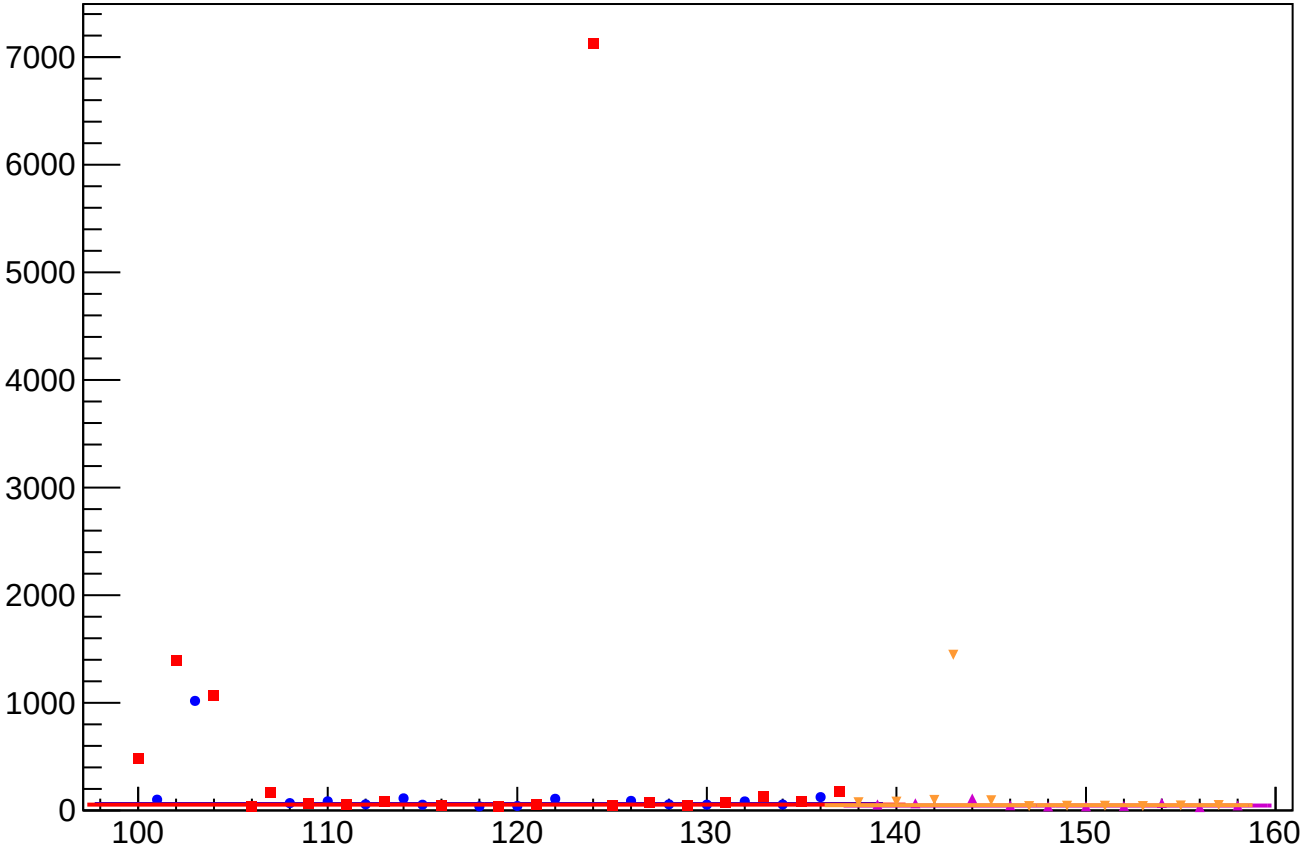
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.015 χ^2/NDF:22.7/25

Out: 0.011+/-0.016 χ^2/NDF:40.1/29

All: 0.005+/-0.011 χ^2/NDF: 63.1/55

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: 49.036+/-0.014 χ^2/NDF:2621287.5/10

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.594+/-0.012 χ^2/NDF:1327634.0/9

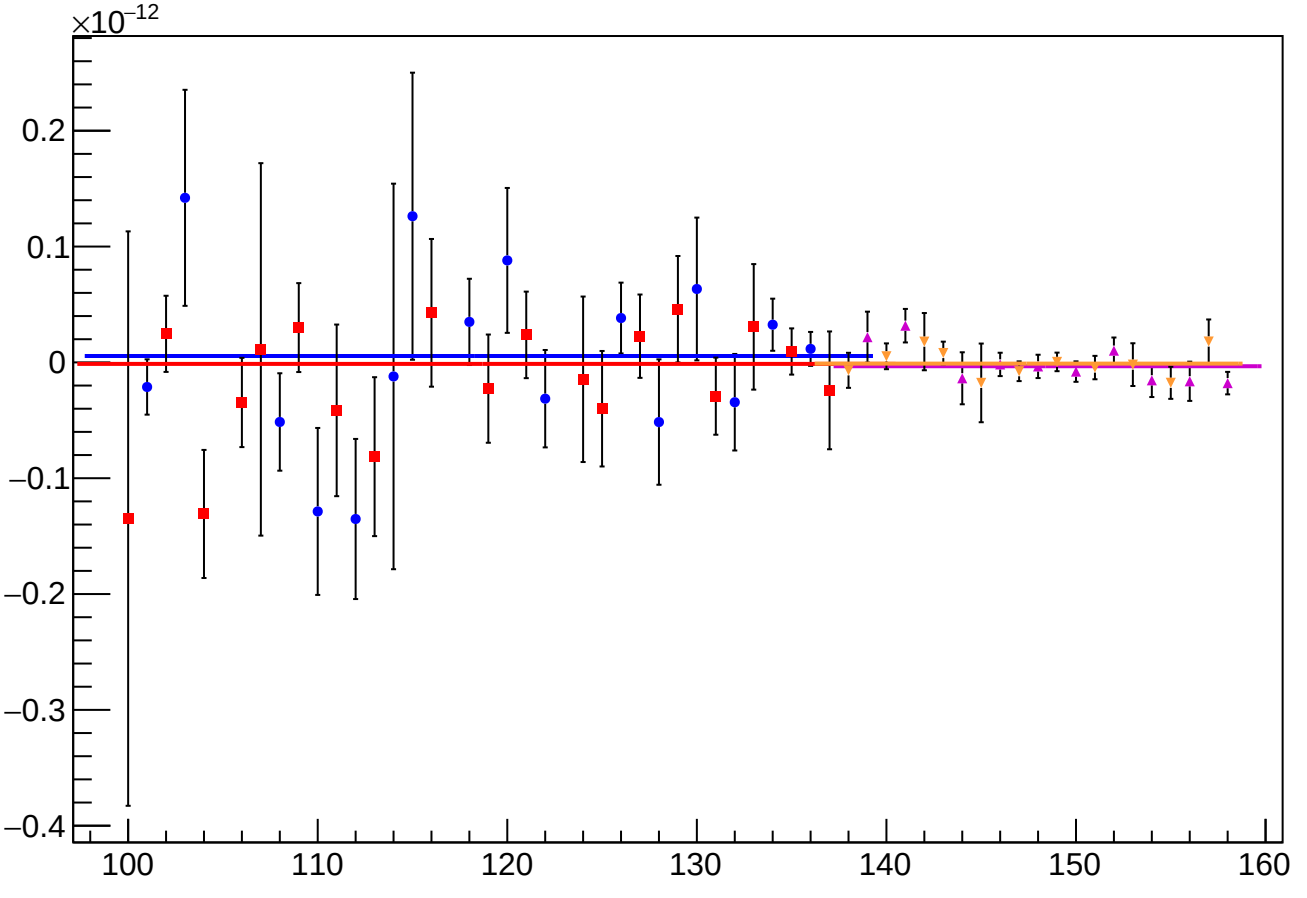
Left: 47.114+/-0.009 χ^2/NDF: 3982814.7/20

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.894+/-0.010 χ^2/NDF:4263451.2/25

Out: 50.962+/-0.011 χ^2/NDF:6194340.4/29

All: 50.393+/-0.008 χ^2/NDF: 10462727.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/9

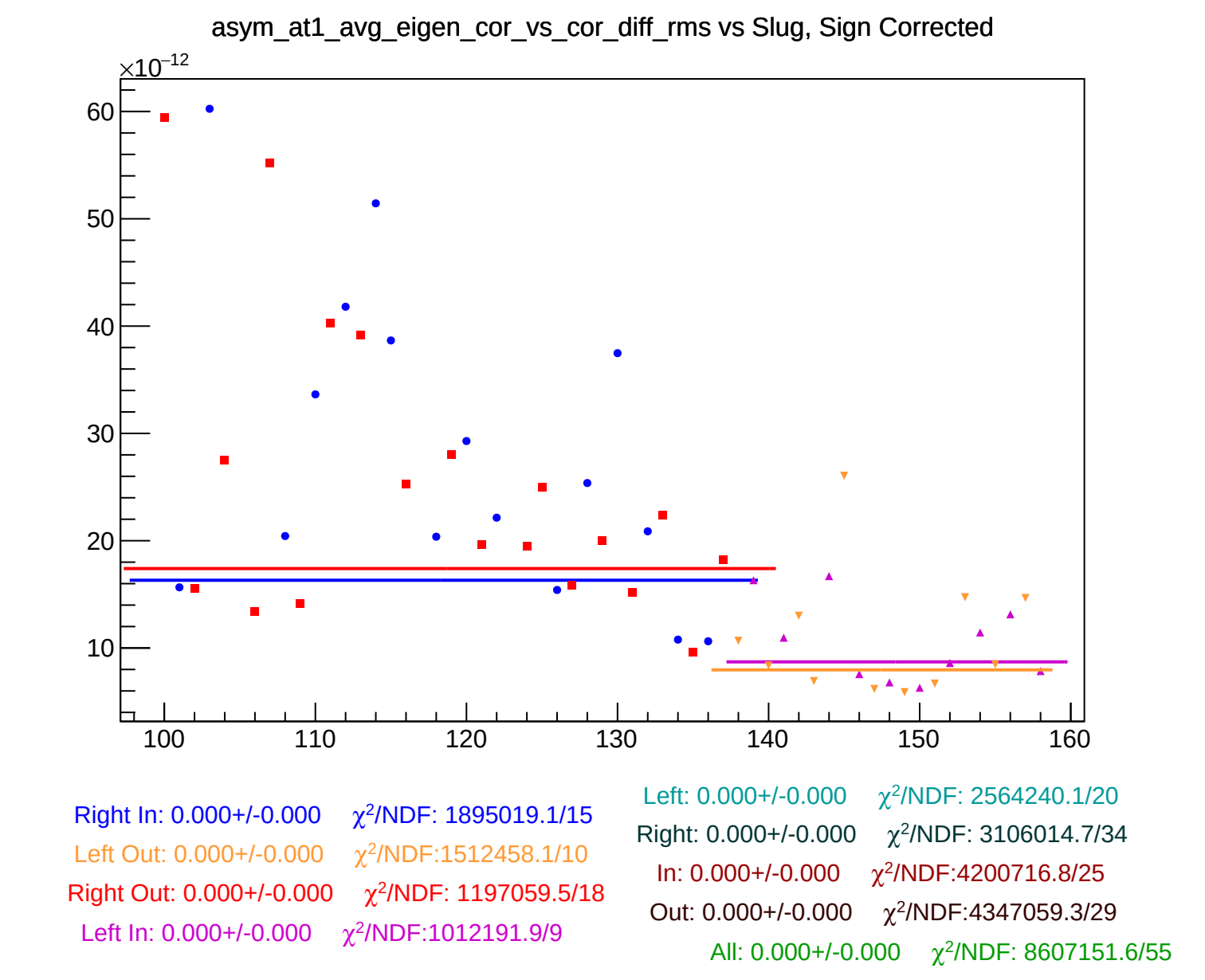
Left: -0.000+/-0.000 χ^2/NDF: 18.1/20

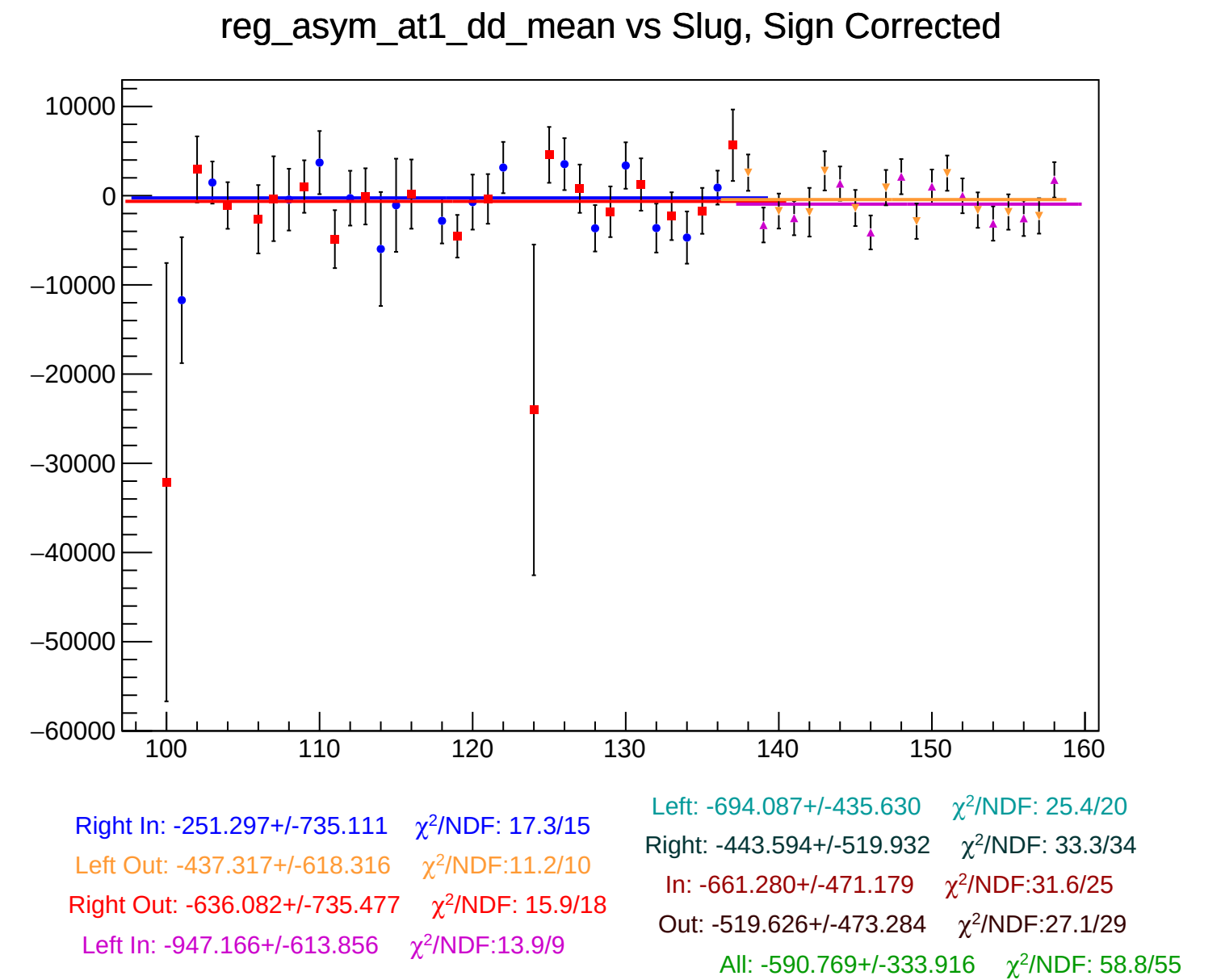
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:36.1/25

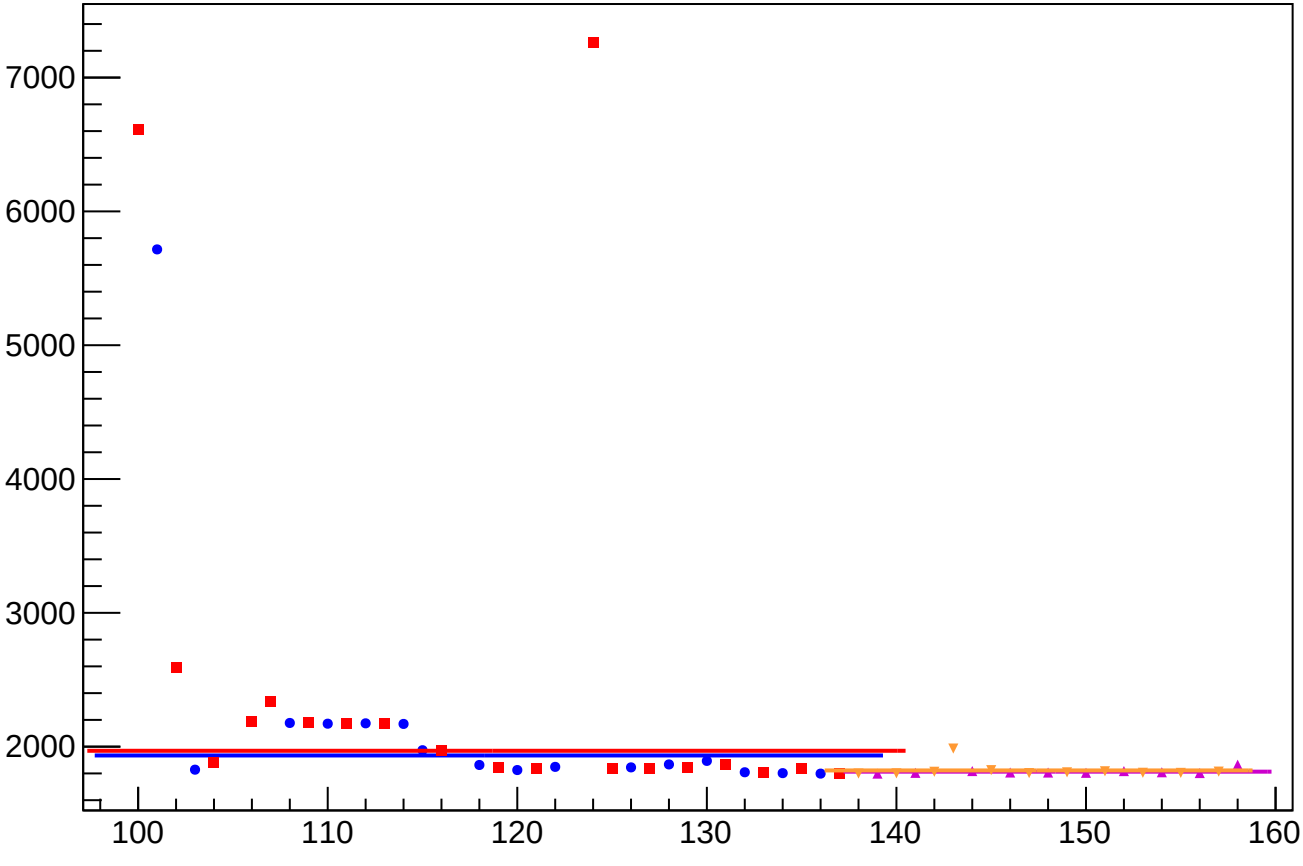
Out: -0.000+/-0.000 χ^2/NDF:19.6/29

All: -0.000+/-0.000 χ^2/NDF: 55.8/55


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1512458.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1012191.9/9
Left: 0.000+/-0.000 χ²/NDF: 2564240.1/20
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4200716.8/25
Out: 0.000+/-0.000 χ²/NDF:4347059.3/29
All: 0.000+/-0.000 χ²/NDF: 8607151.6/55


reg_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
Right In: -251.297+/-735.111 χ²/NDF: 17.3/15
Left Out: -437.317+/-618.316 χ²/NDF:11.2/10
Right Out: -636.082+/-735.477 χ²/NDF: 15.9/18
Left In: -947.166+/-613.856 χ²/NDF:13.9/9
Left: -694.087+/-435.630 χ²/NDF: 25.4/20
Right: -443.594+/-519.932 χ²/NDF: 33.3/34
In: -661.280+/-471.179 χ²/NDF:31.6/25
Out: -519.626+/-473.284 χ²/NDF:27.1/29
All: -590.769+/-333.916 χ²/NDF: 58.8/55

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1822.332+/-0.437 χ^2/NDF:12298.2/10

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

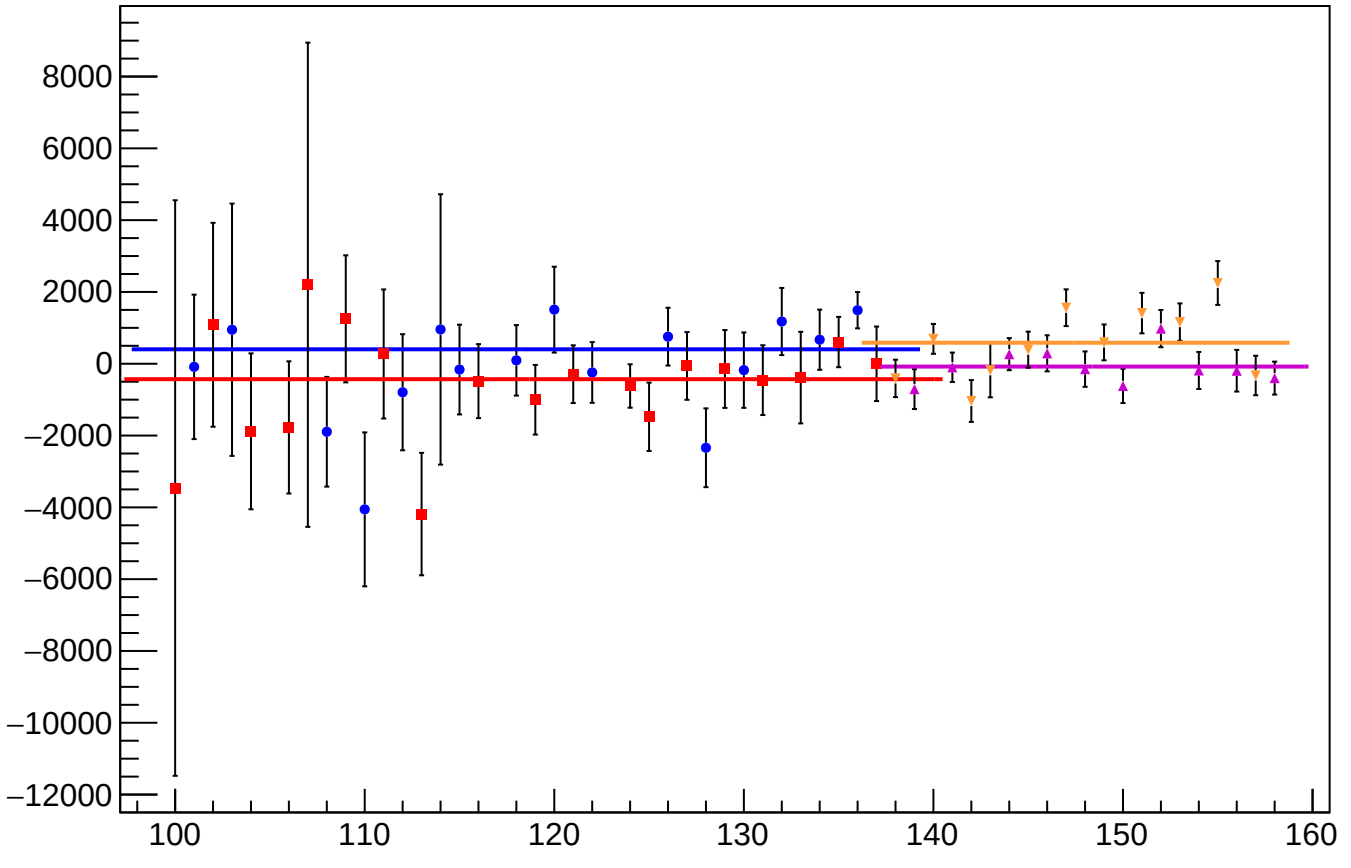
Left: 1817.713+/-0.308 χ^2/NDF: 14221.3/20

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1862.894+/-0.333 χ^2/NDF:673576.6/25

Out: 1883.152+/-0.335 χ^2/NDF:437406.6/29

All: 1872.978+/-0.236 χ^2/NDF: 1112823.5/55



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 585.701+/-160.551 χ^2/NDF:29.8/10

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -78.318+/-154.490 χ^2/NDF:8.5/9

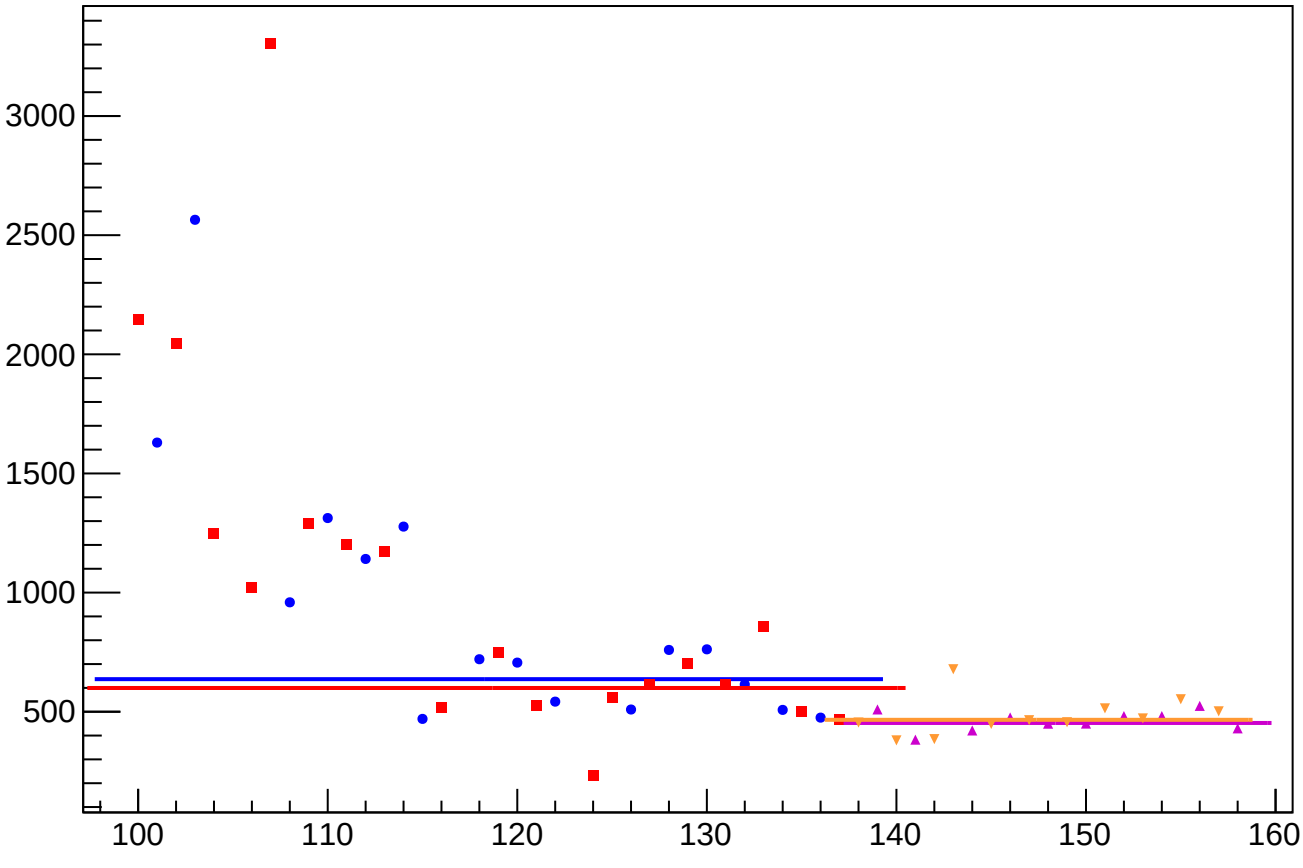
Left: 240.922+/-111.322 χ^2/NDF: 47.2/20

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 48.201+/-132.622 χ^2/NDF:32.1/25

Out: 293.793+/-135.532 χ^2/NDF:53.1/29

All: 168.333+/-94.790 χ^2/NDF: 86.9/55



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 466.045+/-0.114 χ^2/NDF:350596.6/10

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 452.837+/-0.109 χ^2/NDF:141547.3/9

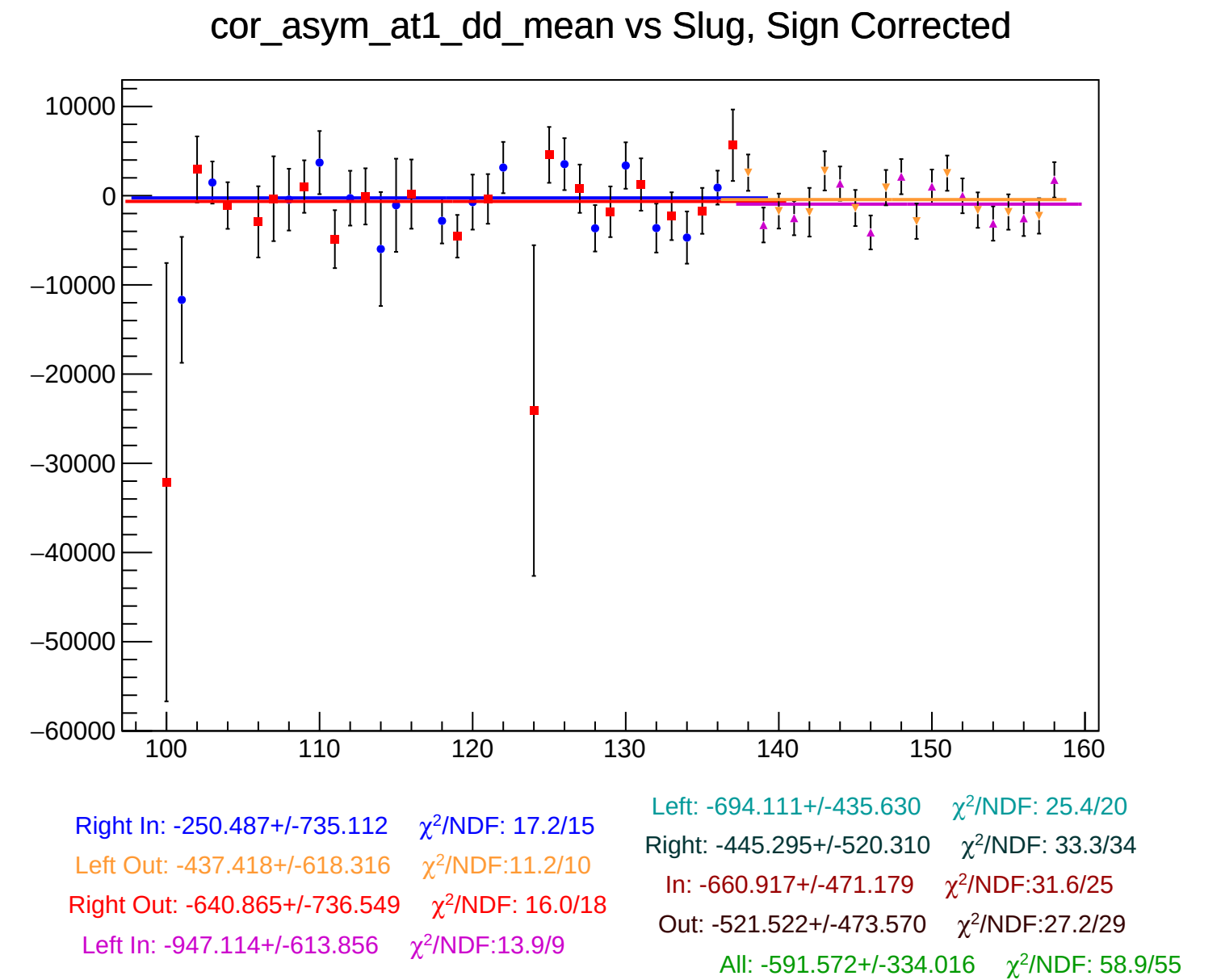
Left: 459.187+/-0.079 χ^2/NDF: 499172.2/20

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

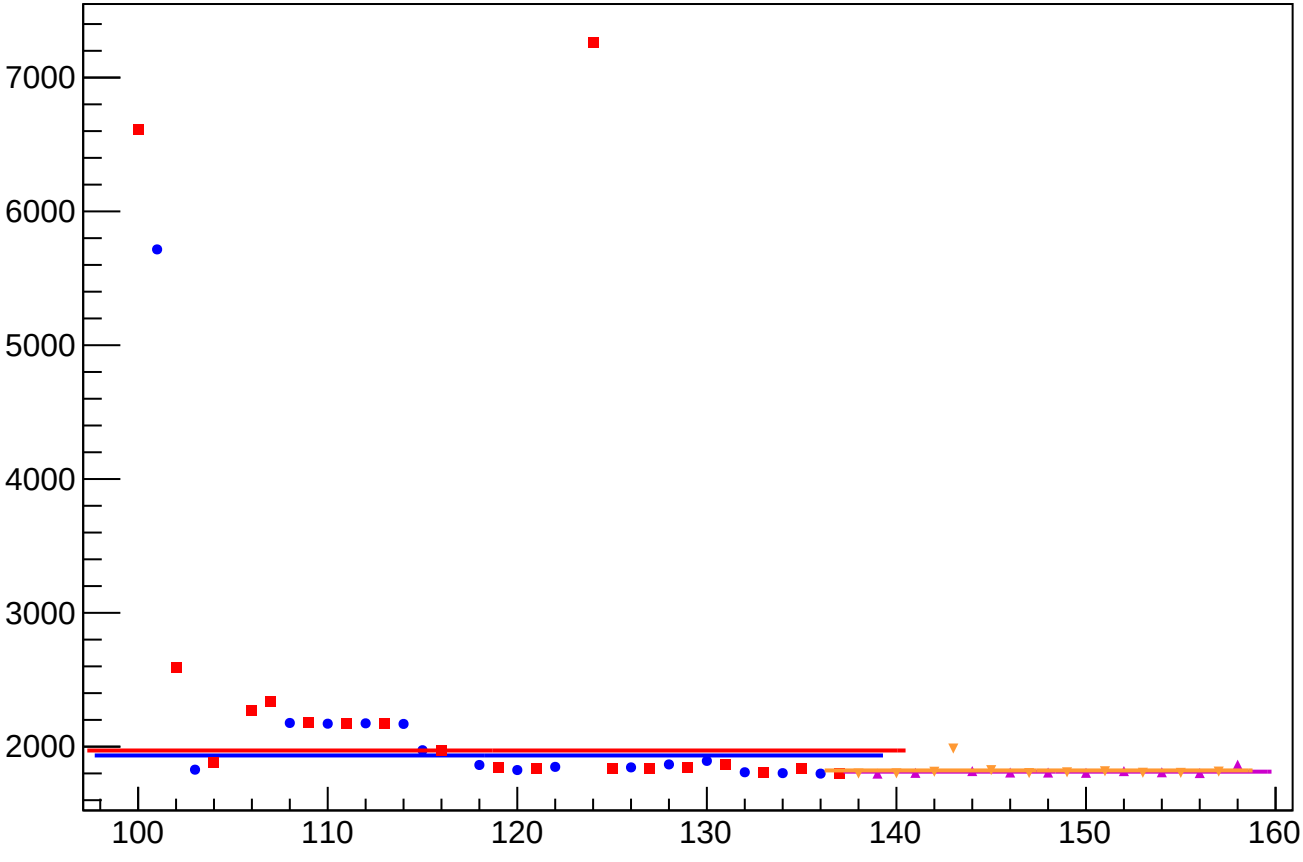
In: 501.205+/-0.094 χ^2/NDF:2953647.1/25

Out: 504.435+/-0.096 χ^2/NDF:3692600.2/29

All: 502.785+/-0.067 χ^2/NDF: 6646827.5/55


cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: -437.418+/-618.316 χ²/NDF:11.2/10
Right Out: -640.865+/-736.549 χ²/NDF: 16.0/18
Left In: -947.114+/-613.856 χ²/NDF:13.9/9
Left: -694.111+/-435.630 χ²/NDF: 25.4/20
Right: -445.295+/-520.310 χ²/NDF: 33.3/34
In: -660.917+/-471.179 χ²/NDF:31.6/25
Out: -521.522+/-473.570 χ²/NDF:27.2/29
All: -591.572+/-334.016 χ²/NDF: 58.9/55

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1822.332+/-0.437 χ^2/NDF:12298.2/10

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

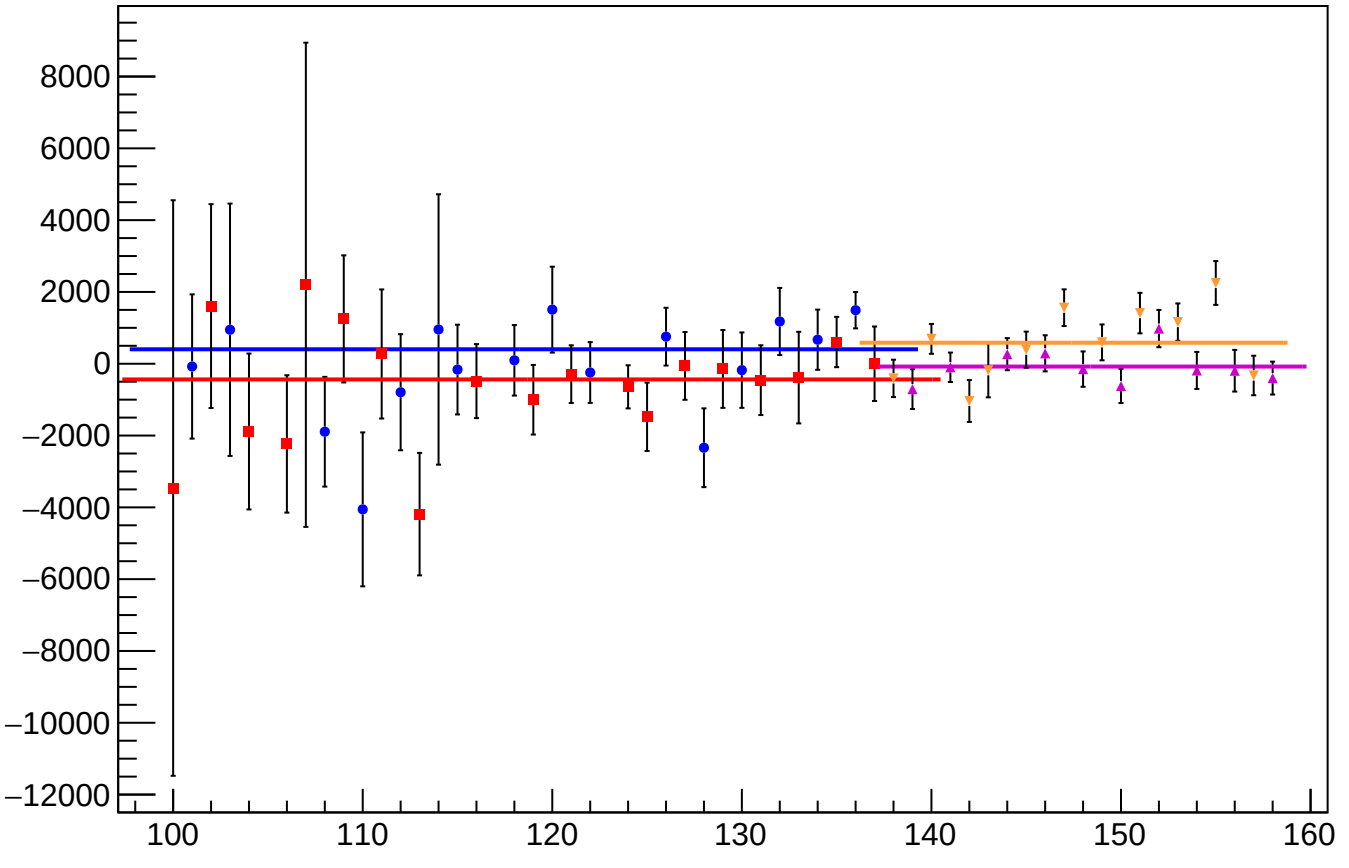
Left: 1817.713+/-0.308 χ^2/NDF: 14221.3/20

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1862.894+/-0.333 χ^2/NDF:673576.5/25

Out: 1883.938+/-0.335 χ^2/NDF:443502.2/29

All: 1873.363+/-0.236 χ^2/NDF: 1119063.4/55



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 585.601+/-160.552 χ^2/NDF:29.8/10

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -78.304+/-154.489 χ^2/NDF:8.5/9

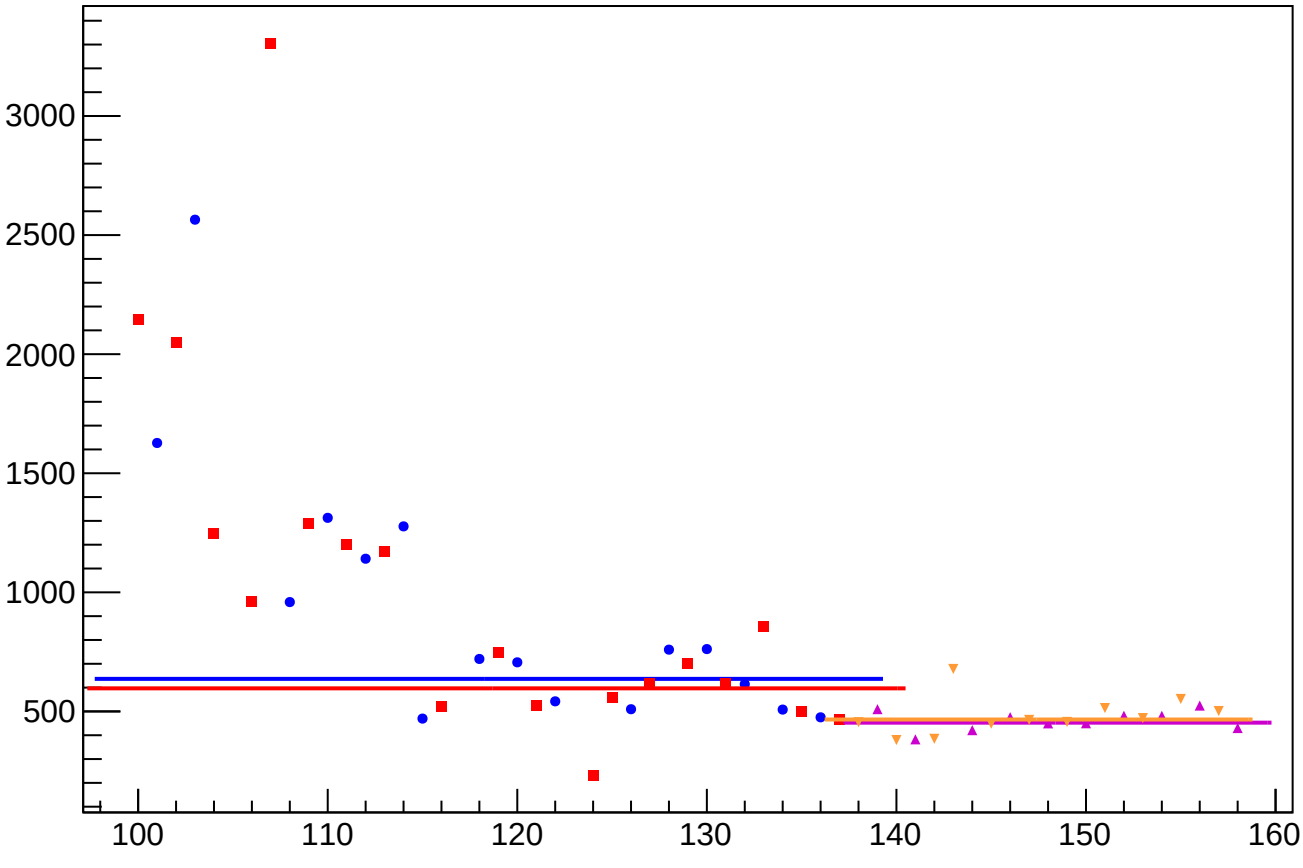
Left: 240.876+/-111.322 χ^2/NDF: 47.2/20

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 48.238+/-132.620 χ^2/NDF:32.1/25

Out: 291.565+/-135.510 χ^2/NDF:53.8/29

All: 167.279+/-94.782 χ^2/NDF: 87.6/55



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 466.050+/-0.114 χ^2/NDF:350533.7/10

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 452.833+/-0.109 χ^2/NDF:141551.4/9

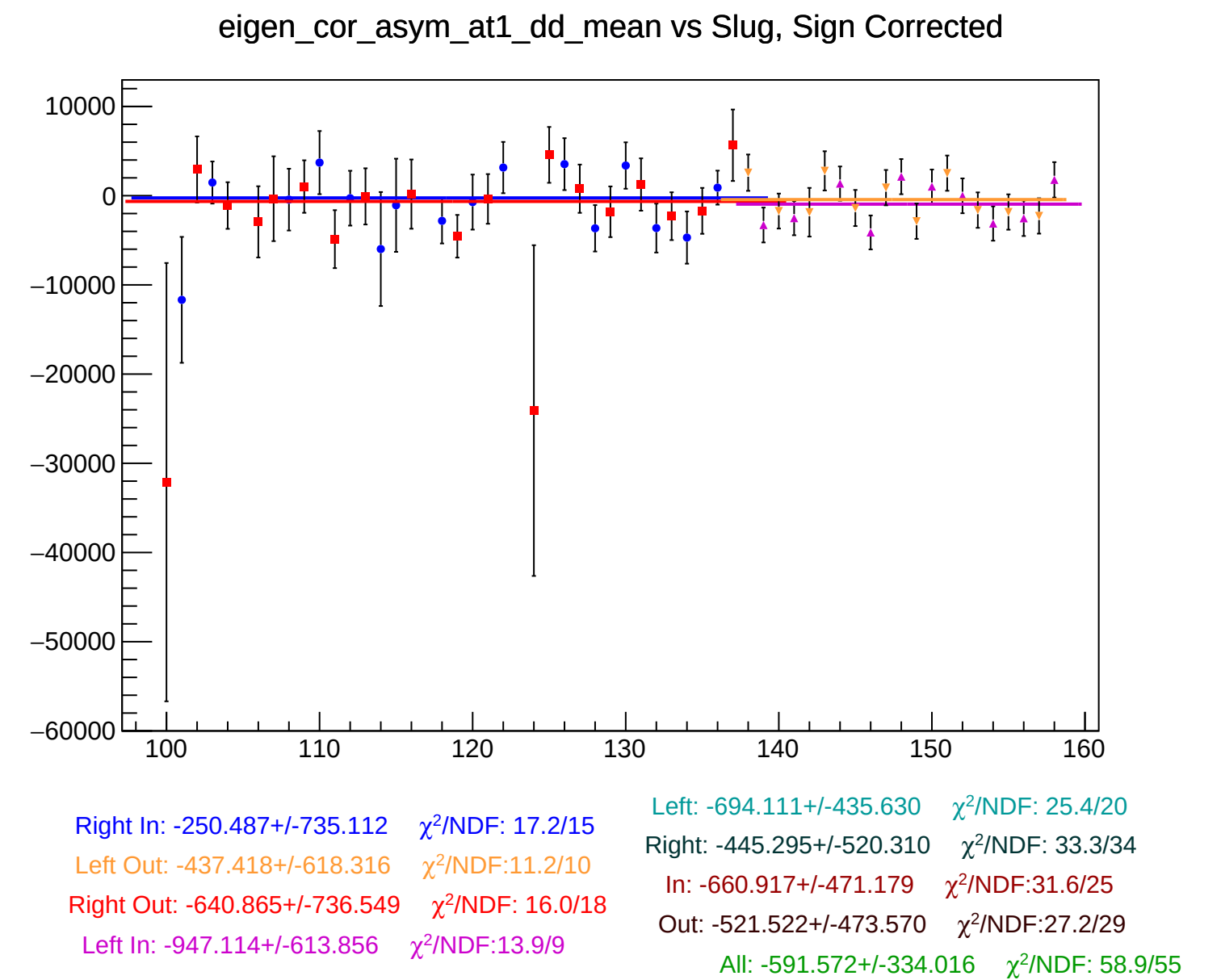
Left: 459.187+/-0.079 χ^2/NDF: 499122.3/20

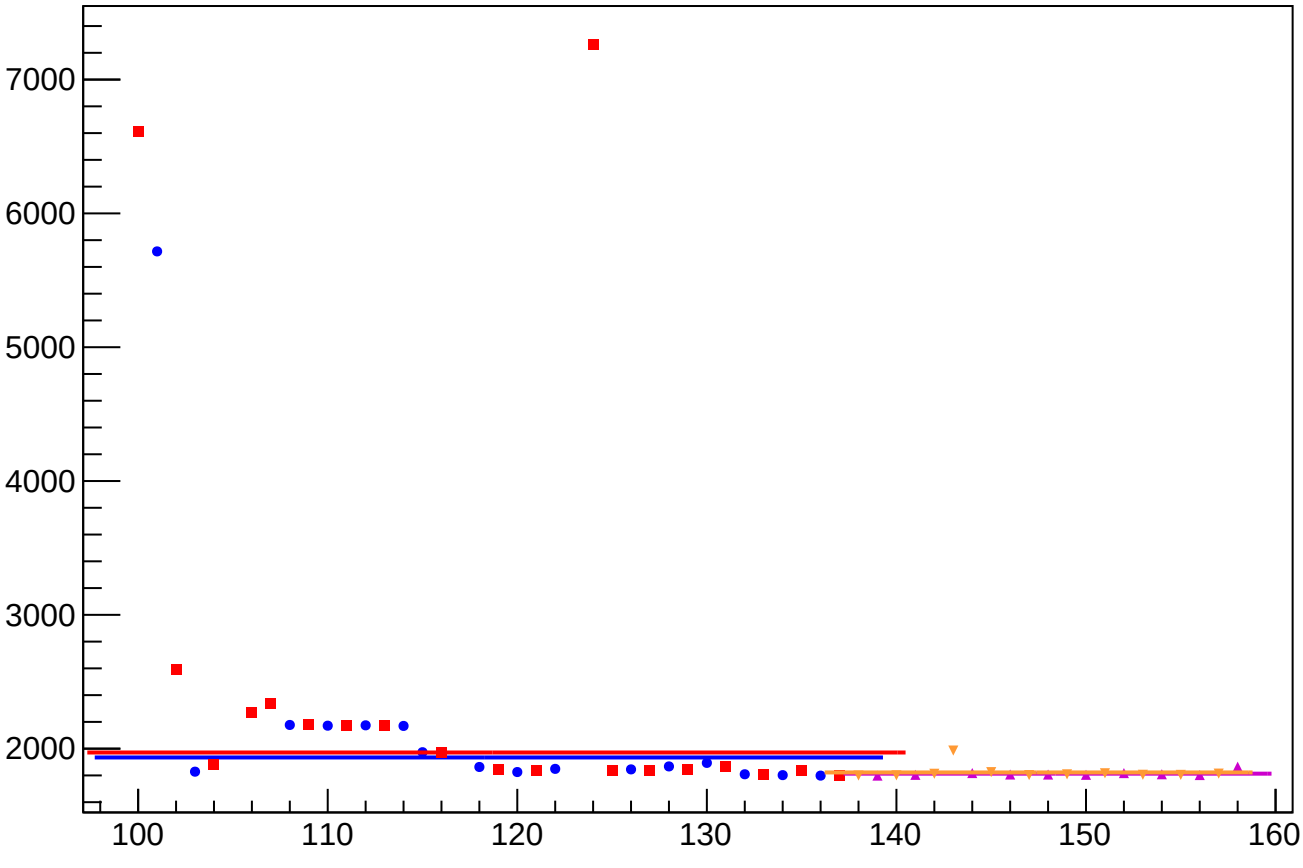
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 501.204+/-0.094 χ^2/NDF:2952843.4/25

Out: 503.675+/-0.096 χ^2/NDF:3662849.8/29

All: 502.413+/-0.067 χ^2/NDF: 6616032.7/55


eigen_cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: -437.418+/-618.316 χ²/NDF:11.2/10
Right Out: -640.865+/-736.549 χ²/NDF: 16.0/18
Left In: -947.114+/-613.856 χ²/NDF:13.9/9
Left: -694.111+/-435.630 χ²/NDF: 25.4/20
Right: -445.295+/-520.310 χ²/NDF: 33.3/34
In: -660.917+/-471.179 χ²/NDF:31.6/25
Out: -521.522+/-473.570 χ²/NDF:27.2/29
All: -591.572+/-334.016 χ²/NDF: 58.9/55



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1822.332+/-0.437 χ^2/NDF:12298.2/10

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

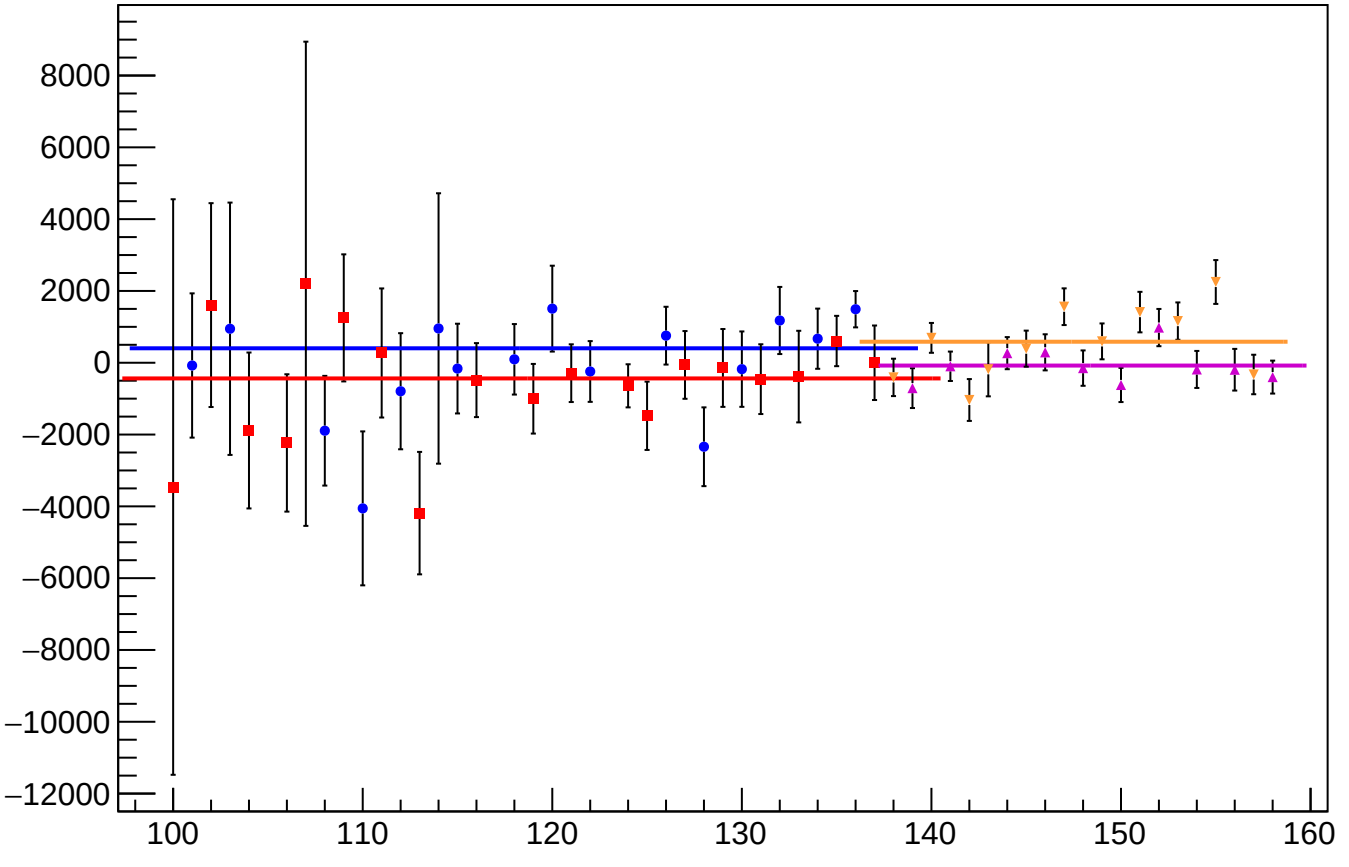
Left: 1817.713+/-0.308 χ^2/NDF: 14221.3/20

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1862.894+/-0.333 χ^2/NDF:673576.5/25

Out: 1883.938+/-0.335 χ^2/NDF:443502.2/29

All: 1873.363+/-0.236 χ^2/NDF: 1119063.4/55



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 585.601+/-160.552 χ^2/NDF:29.8/10

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -78.304+/-154.489 χ^2/NDF:8.5/9

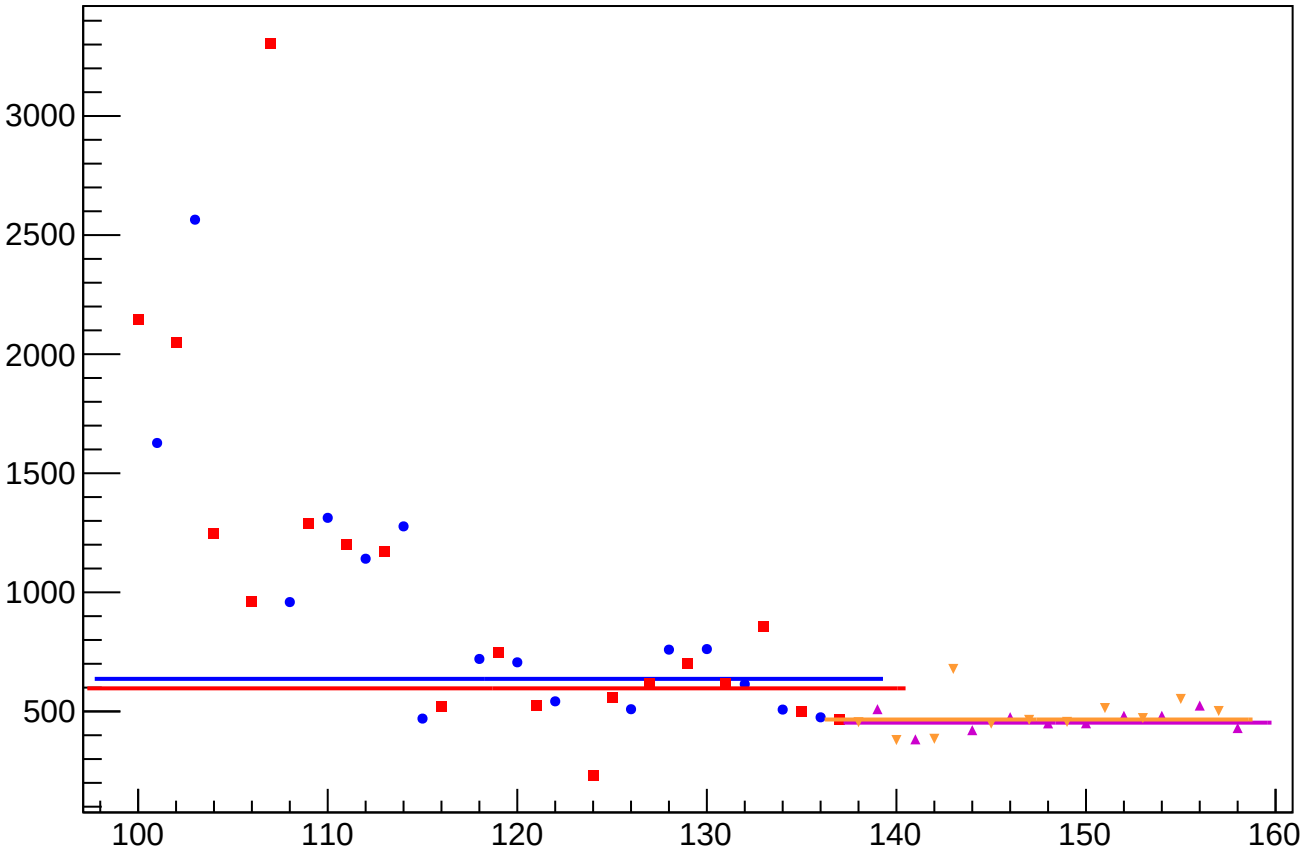
Left: 240.876+/-111.322 χ^2/NDF: 47.2/20

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 48.238+/-132.620 χ^2/NDF:32.1/25

Out: 291.565+/-135.510 χ^2/NDF:53.8/29

All: 167.279+/-94.782 χ^2/NDF: 87.6/55



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 466.050+/-0.114 χ^2/NDF:350533.7/10

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 452.833+/-0.109 χ^2/NDF:141551.4/9

Left: 459.187+/-0.079 χ^2/NDF: 499122.3/20

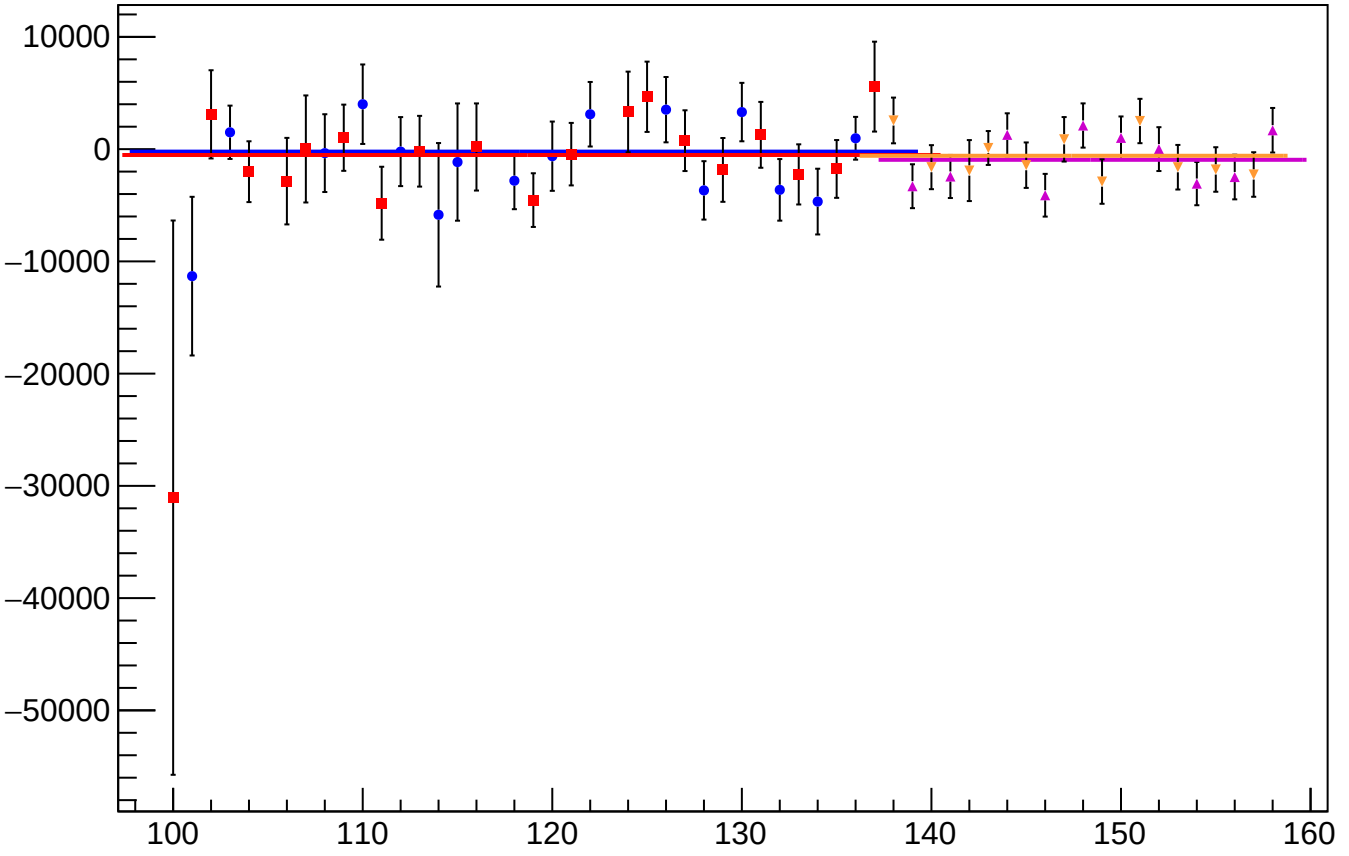
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 501.204+/-0.094 χ^2/NDF:2952843.4/25

Out: 503.675+/-0.096 χ^2/NDF:3662849.8/29

All: 502.413+/-0.067 χ^2/NDF: 6616032.7/55

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -590.139+/-592.665 χ^2/NDF:9.0/10

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -949.547+/-614.058 χ^2/NDF:13.4/9

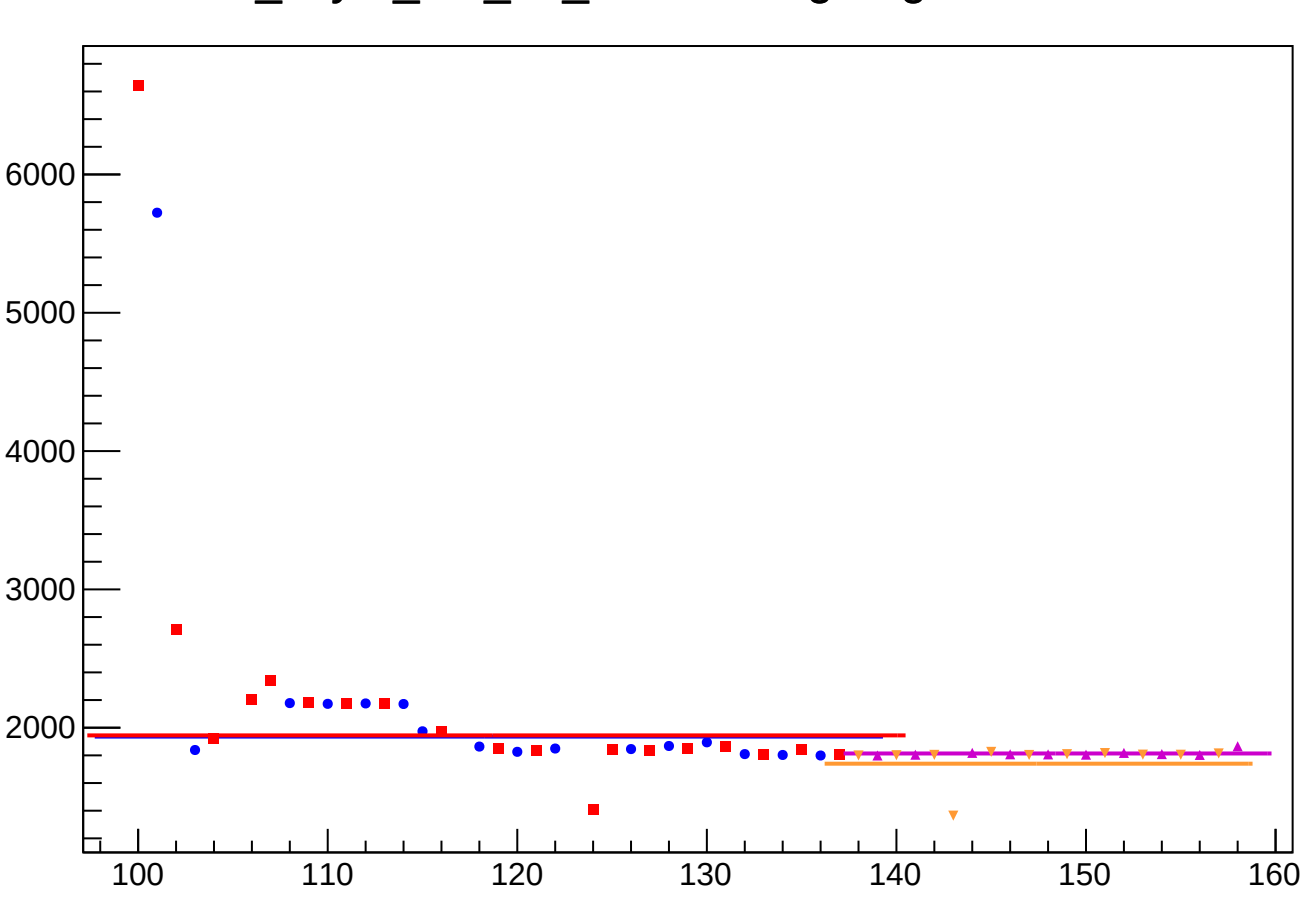
Left: -763.474+/-426.440 χ^2/NDF: 22.6/20

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -650.243+/-471.475 χ^2/NDF:31.1/25

Out: -562.149+/-458.852 χ^2/NDF:24.6/29

All: -605.001+/-328.829 χ^2/NDF: 55.7/55



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1739.910+/-0.419 χ^2/NDF:146641.2/10

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1813.755+/-0.434 χ^2/NDF:1697.4/9

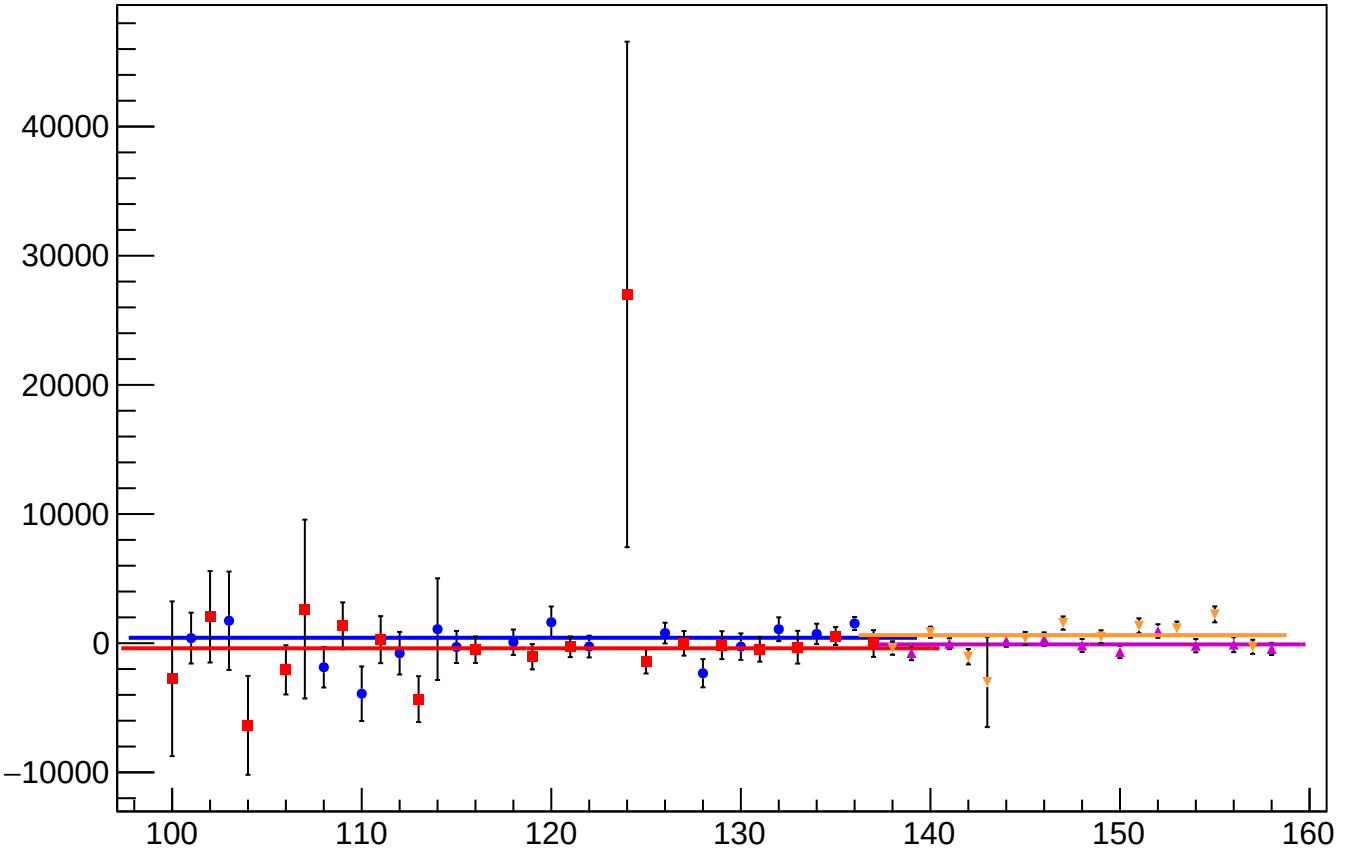
Left: 1775.524+/-0.302 χ^2/NDF: 163312.8/20

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1863.924+/-0.333 χ^2/NDF:674027.9/25

Out: 1821.864+/-0.324 χ^2/NDF:518331.5/29

All: 1842.323+/-0.233 χ^2/NDF: 1200533.5/55



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 625.680+/-166.014 χ^2/NDF:28.6/10

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -92.364+/-157.400 χ^2/NDF:8.3/9

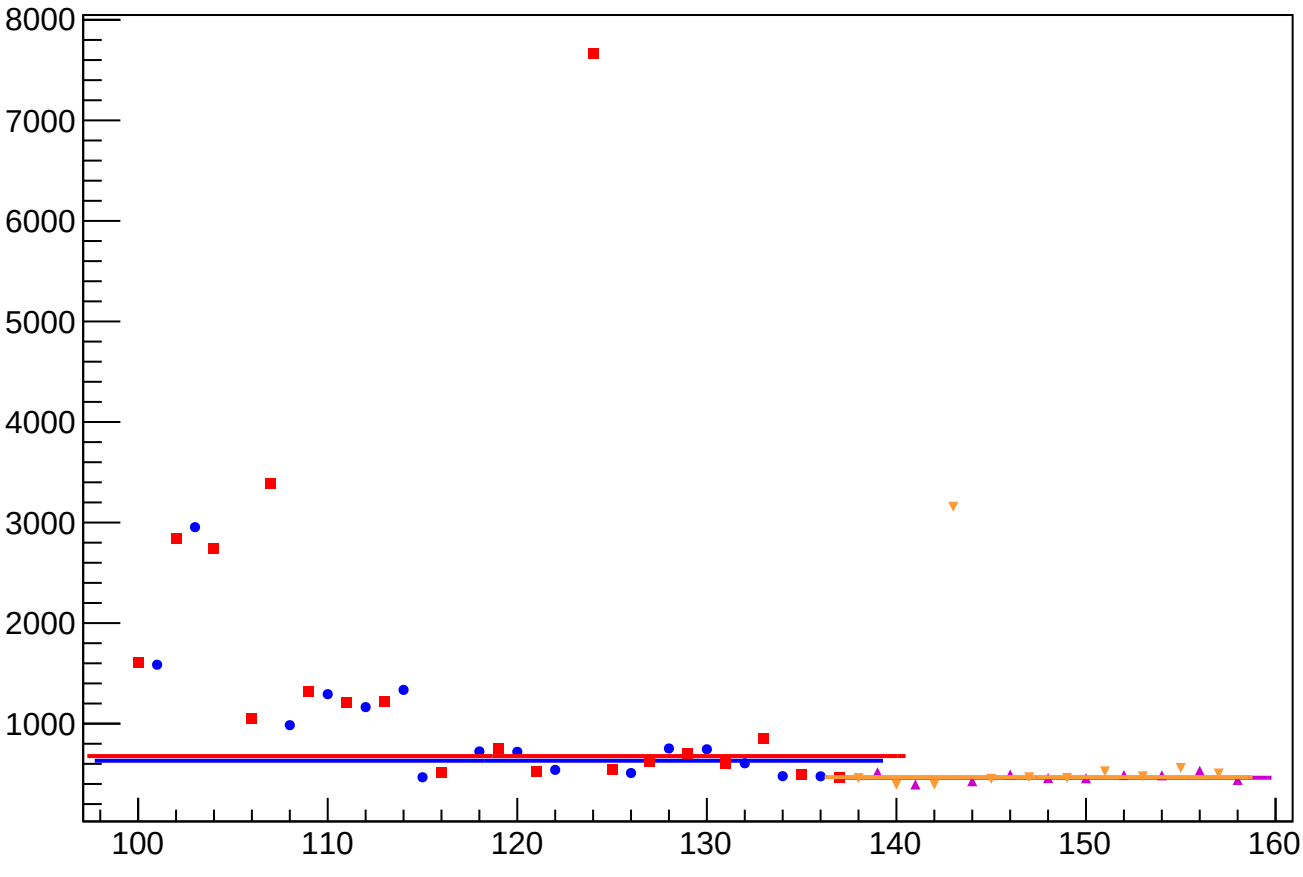
Left: 247.547+/-114.222 χ^2/NDF: 46.7/20

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 47.908+/-134.191 χ^2/NDF:32.7/25

Out: 359.952+/-142.742 χ^2/NDF:54.3/29

All: 194.304+/-97.771 χ^2/NDF: 89.5/55



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 467.955+/-0.117 χ^2/NDF:1353077.8/10

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 461.943+/-0.111 χ^2/NDF:131422.4/9

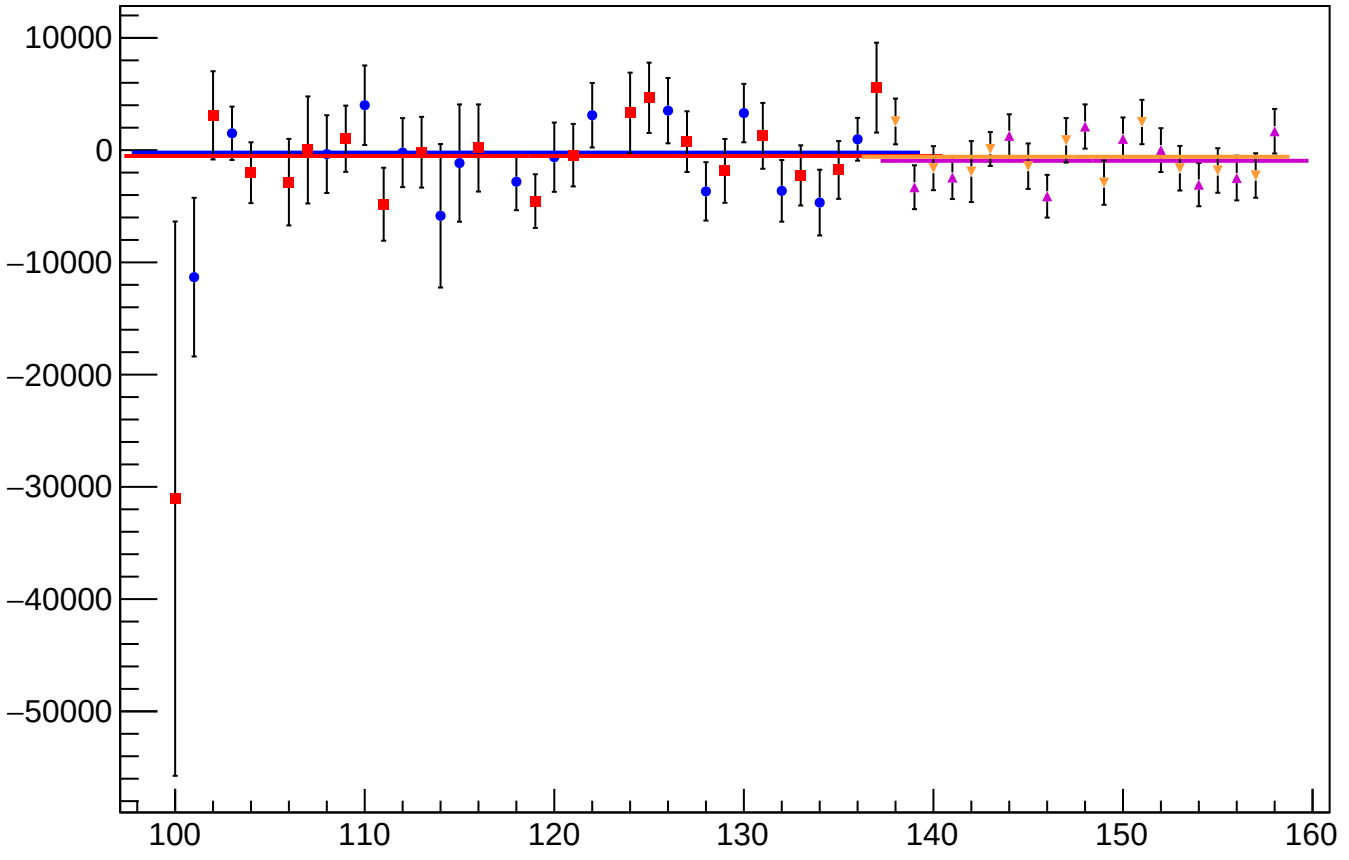
Left: 464.789+/-0.081 χ^2/NDF: 1485881.2/20

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 508.162+/-0.095 χ^2/NDF:2997192.0/25

Out: 522.568+/-0.101 χ^2/NDF:5264856.2/29

All: 514.921+/-0.069 χ^2/NDF: 8272862.1/55



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -590.139+/-592.665 χ^2/NDF:9.0/10

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -949.547+/-614.058 χ^2/NDF:13.4/9

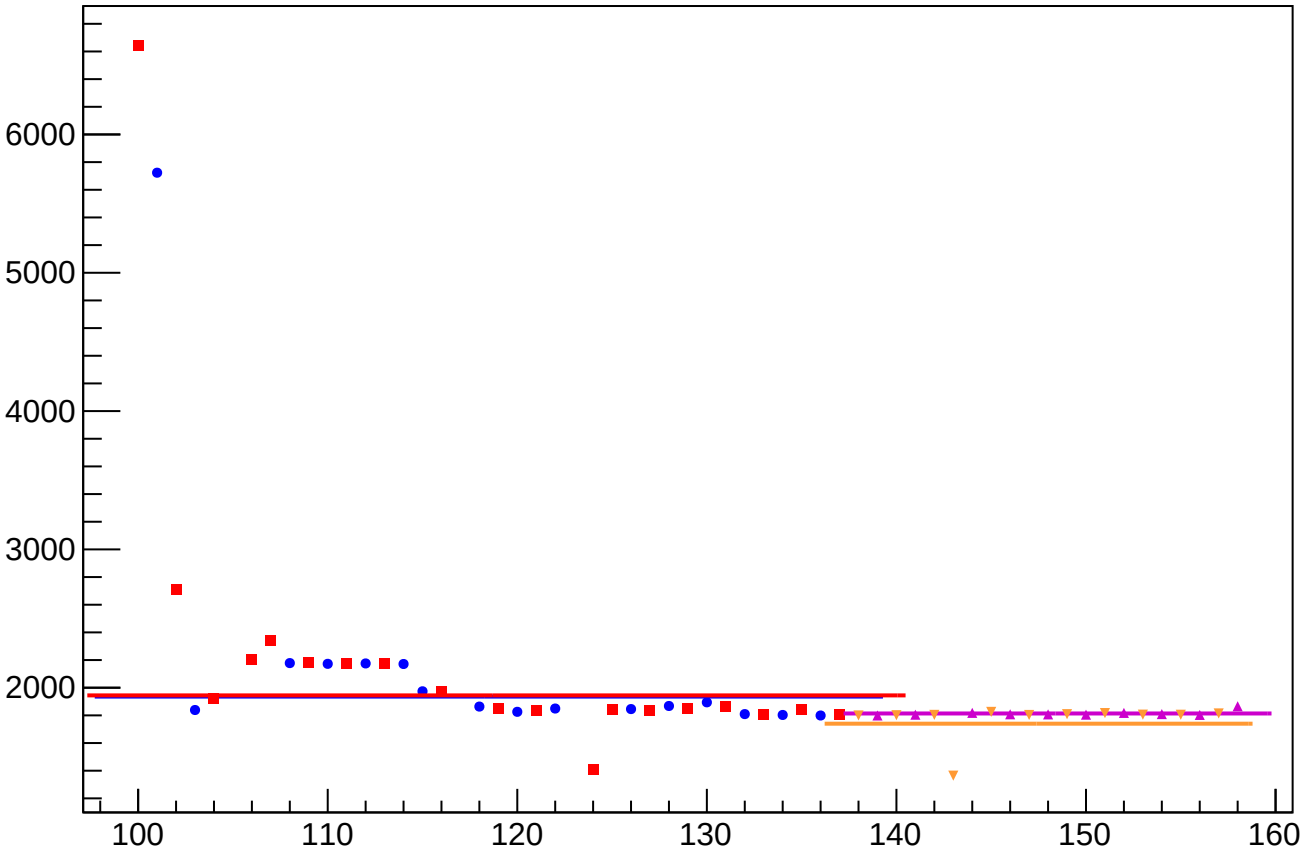
Left: -763.474+/-426.440 χ^2/NDF: 22.6/20

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -650.244+/-471.475 χ^2/NDF:31.1/25

Out: -562.149+/-458.852 χ^2/NDF:24.6/29

All: -605.001+/-328.829 χ^2/NDF: 55.7/55



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1739.910+/-0.419 χ^2/NDF:146641.2/10

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1813.755+/-0.434 χ^2/NDF:1697.4/9

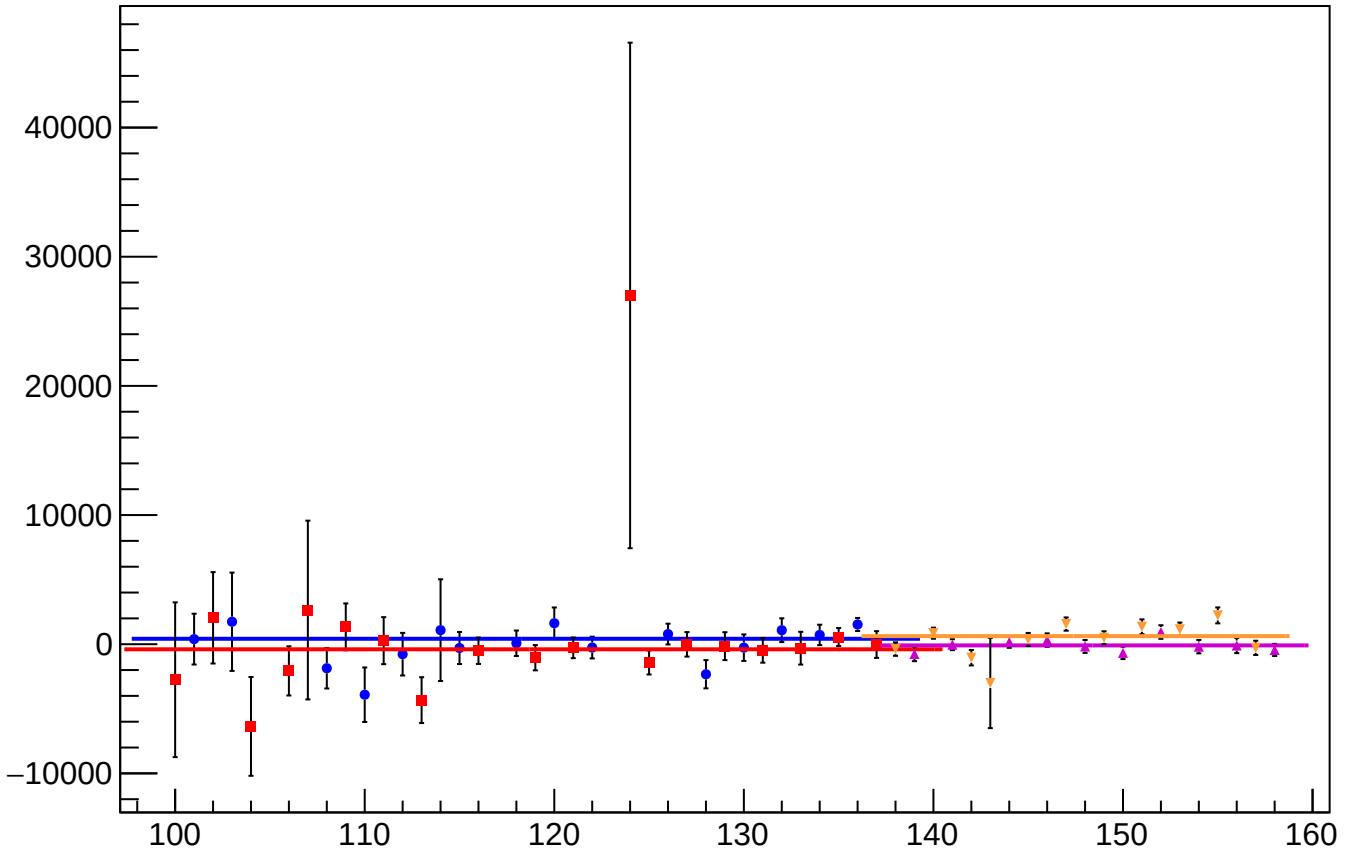
Left: 1775.524+/-0.302 χ^2/NDF: 163312.8/20

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1863.924+/-0.333 χ^2/NDF:674027.9/25

Out: 1821.864+/-0.324 χ^2/NDF:518331.2/29

All: 1842.323+/-0.233 χ^2/NDF: 1200533.3/55



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 625.681+/-166.013 χ^2/NDF:28.6/10

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -92.364+/-157.400 χ^2/NDF:8.3/9

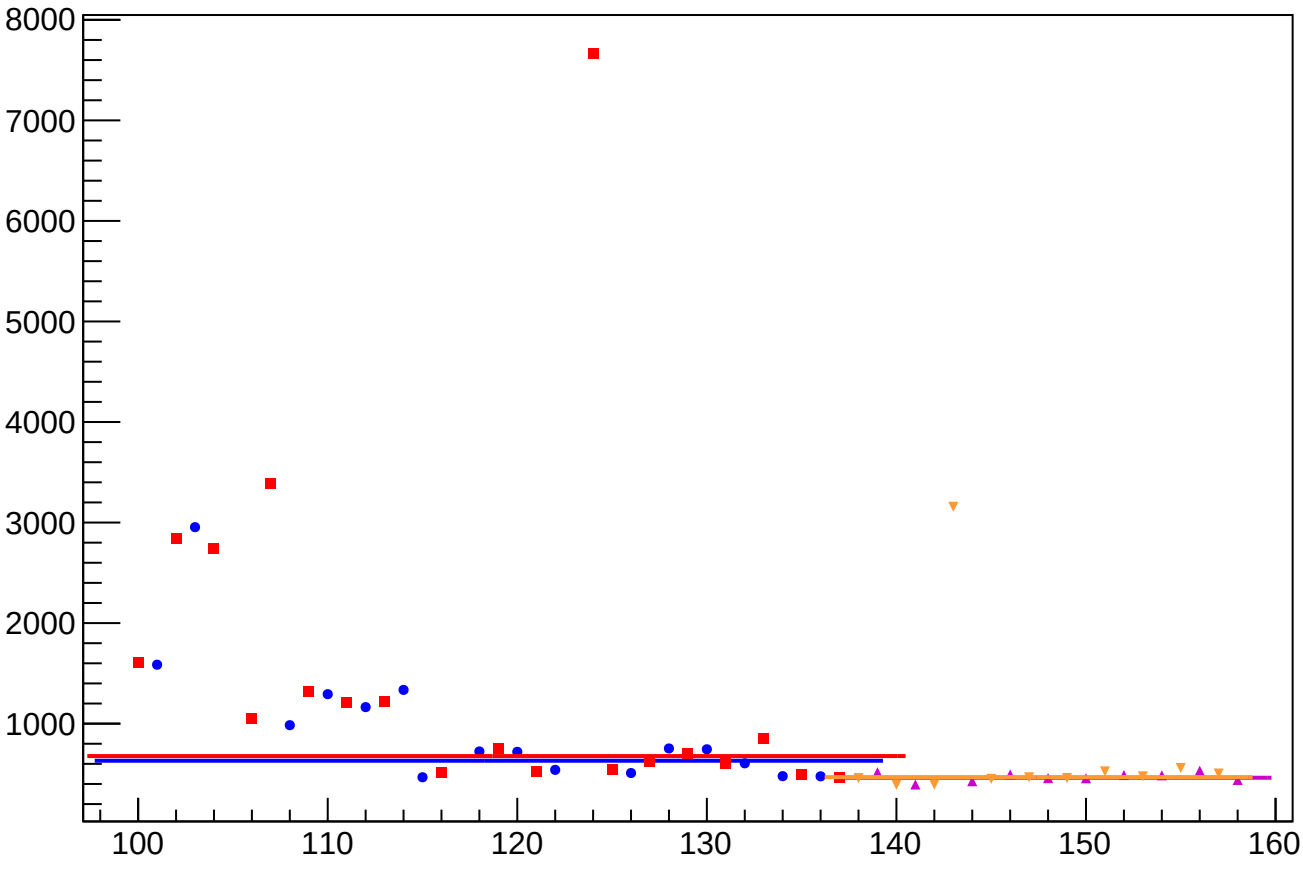
Left: 247.547+/-114.222 χ^2/NDF: 46.7/20

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 47.909+/-134.190 χ^2/NDF:32.7/25

Out: 359.953+/-142.742 χ^2/NDF:54.3/29

All: 194.304+/-97.771 χ^2/NDF: 89.5/55



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 467.955+/-0.117 χ^2/NDF:1353080.6/10

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 461.943+/-0.111 χ^2/NDF:131425.3/9

Left: 464.789+/-0.081 χ^2/NDF: 1485886.8/20

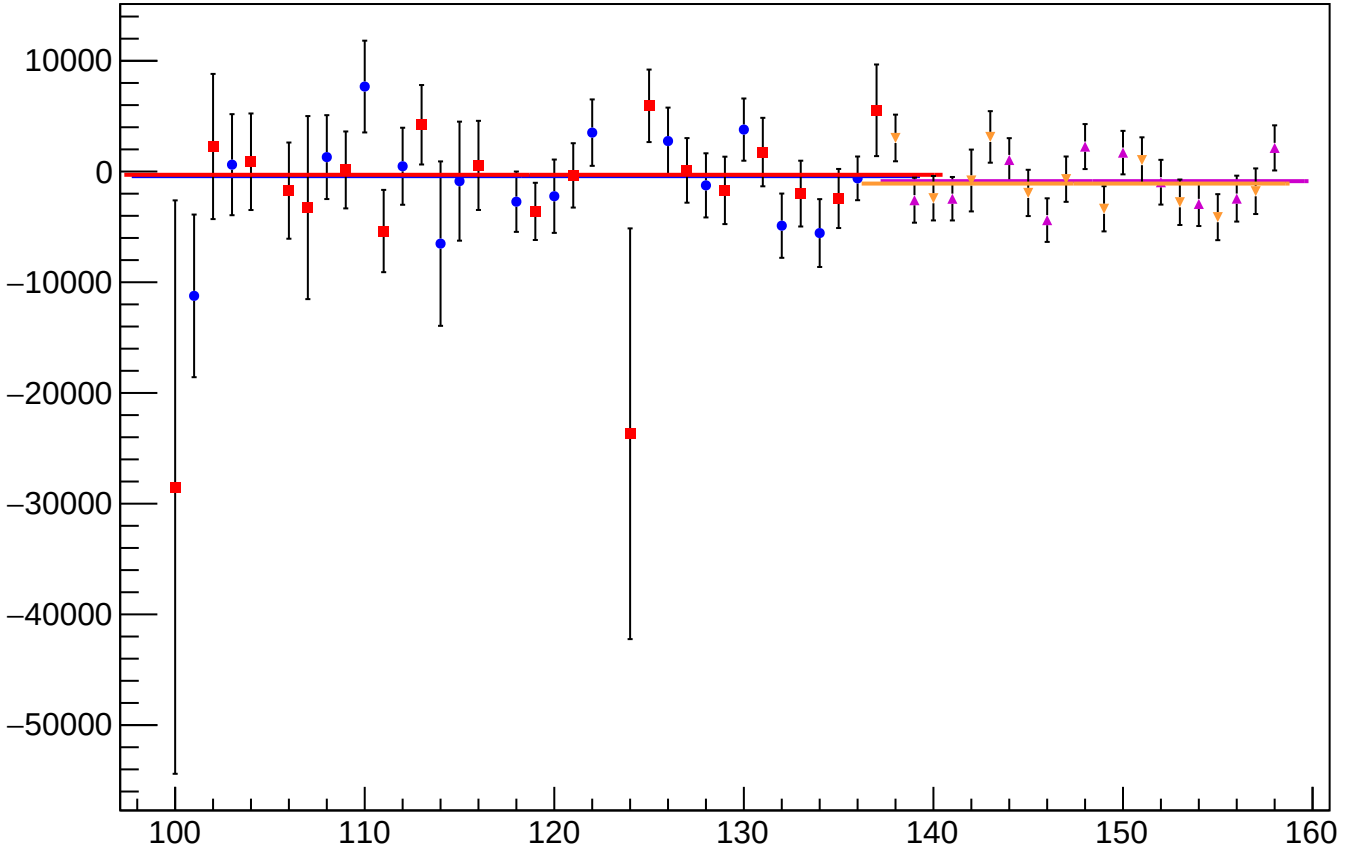
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 508.162+/-0.095 χ^2/NDF:2997194.3/25

Out: 522.568+/-0.101 χ^2/NDF:5264861.5/29

All: 514.920+/-0.069 χ^2/NDF: 8272869.5/55

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1087.166+/-640.962 χ^2/NDF:13.0/10

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -869.220+/-634.134 χ^2/NDF:13.4/9

Left: -977.026+/-450.795 χ^2/NDF: 26.4/20

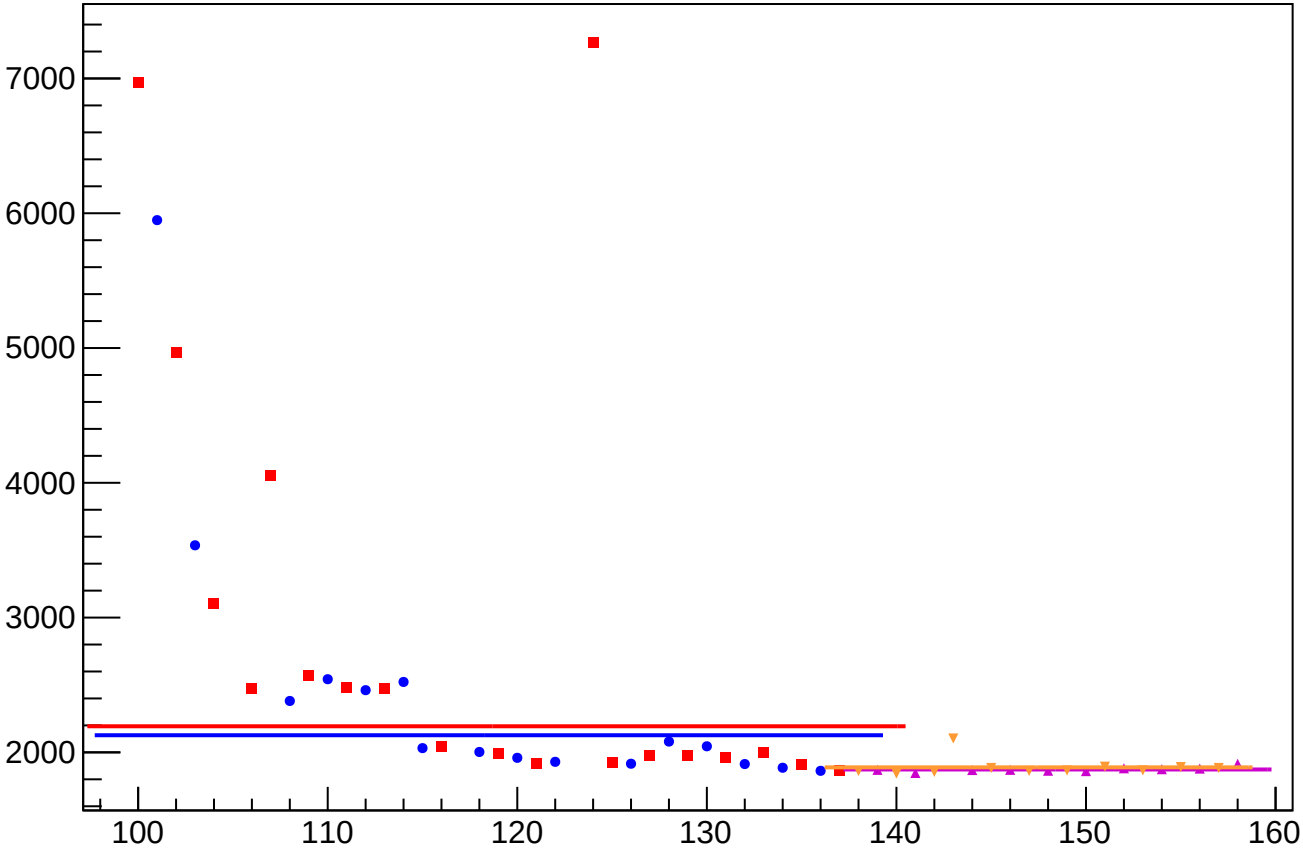
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -699.031+/-500.567 χ^2/NDF:31.9/25

Out: -791.775+/-507.669 χ^2/NDF:29.2/29

All: -744.750+/-356.439 χ^2/NDF: 61.1/55

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1888.657+/-0.453 χ^2/NDF:19477.0/10

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1873.048+/-0.448 χ^2/NDF:1393.0/9

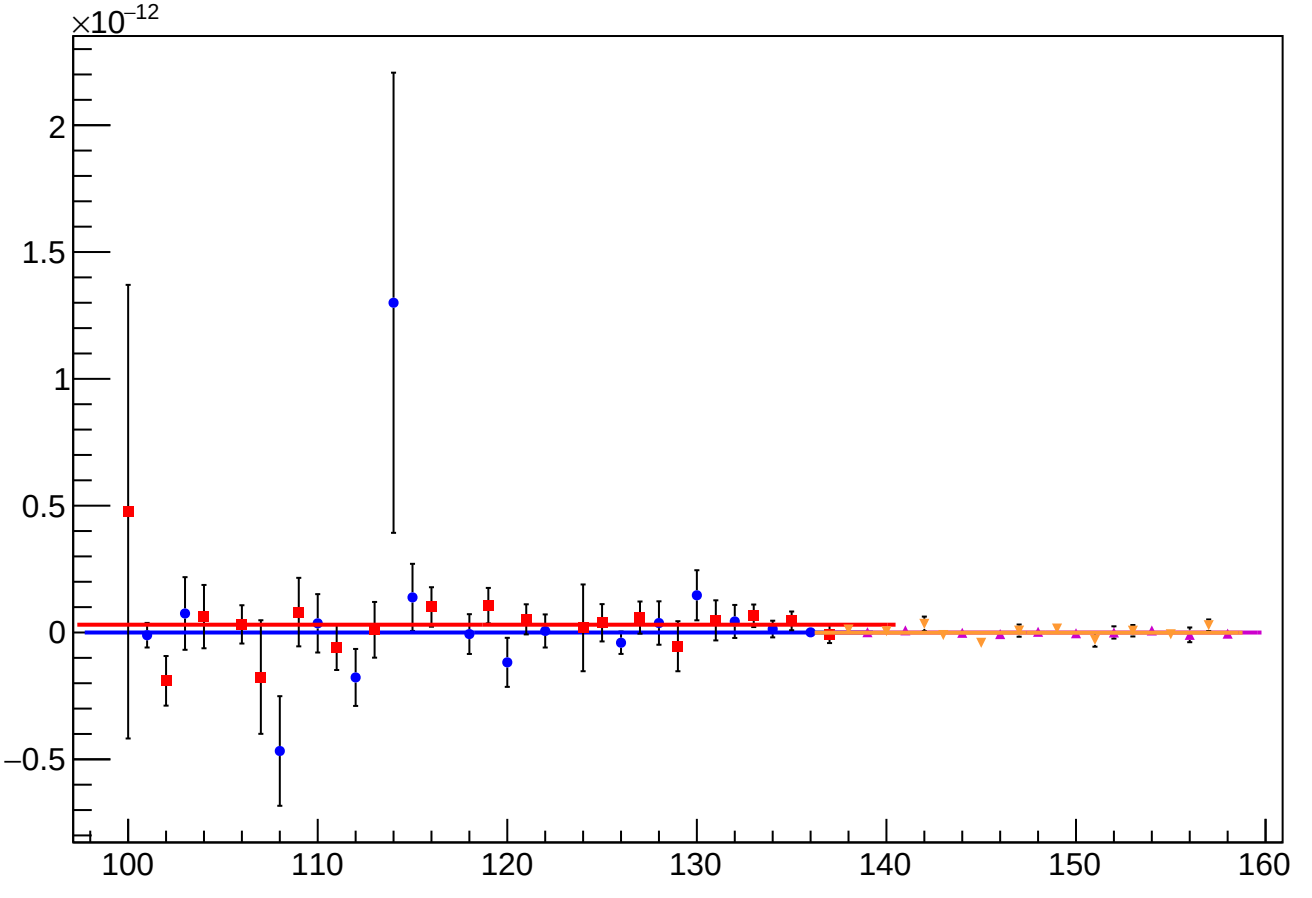
Left: 1880.769+/-0.319 χ^2/NDF: 21469.4/20

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1968.776+/-0.354 χ^2/NDF:997400.2/25

Out: 2002.285+/-0.359 χ^2/NDF:1130718.4/29

All: 1985.294+/-0.252 χ^2/NDF: 2132536.8/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/9

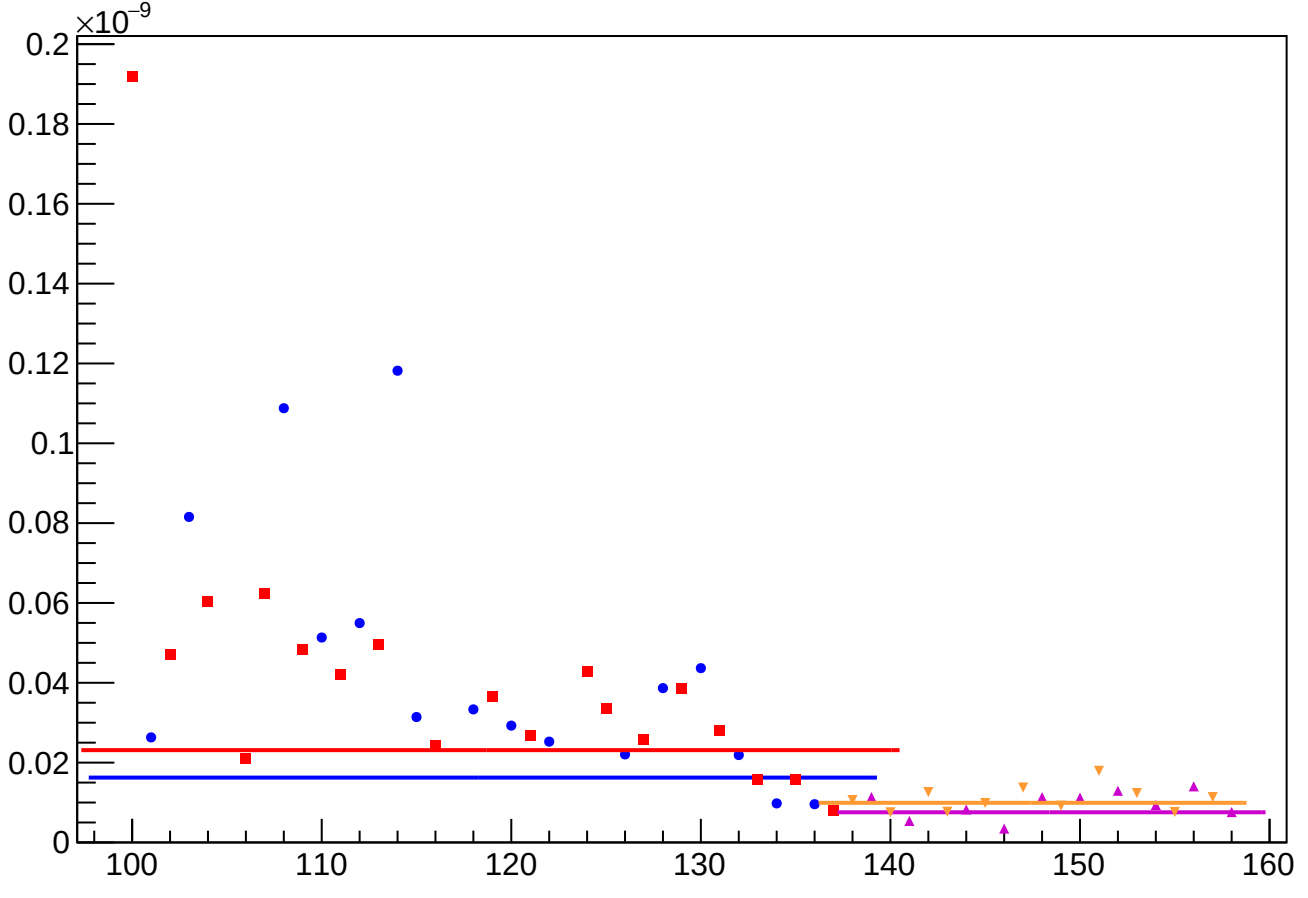
Left: -0.000+/-0.000 χ^2/NDF: 13.8/20

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:17.5/25

Out: 0.000+/-0.000 χ^2/NDF:28.4/29

All: 0.000+/-0.000 χ^2/NDF: 46.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:413845.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:871554.4/9

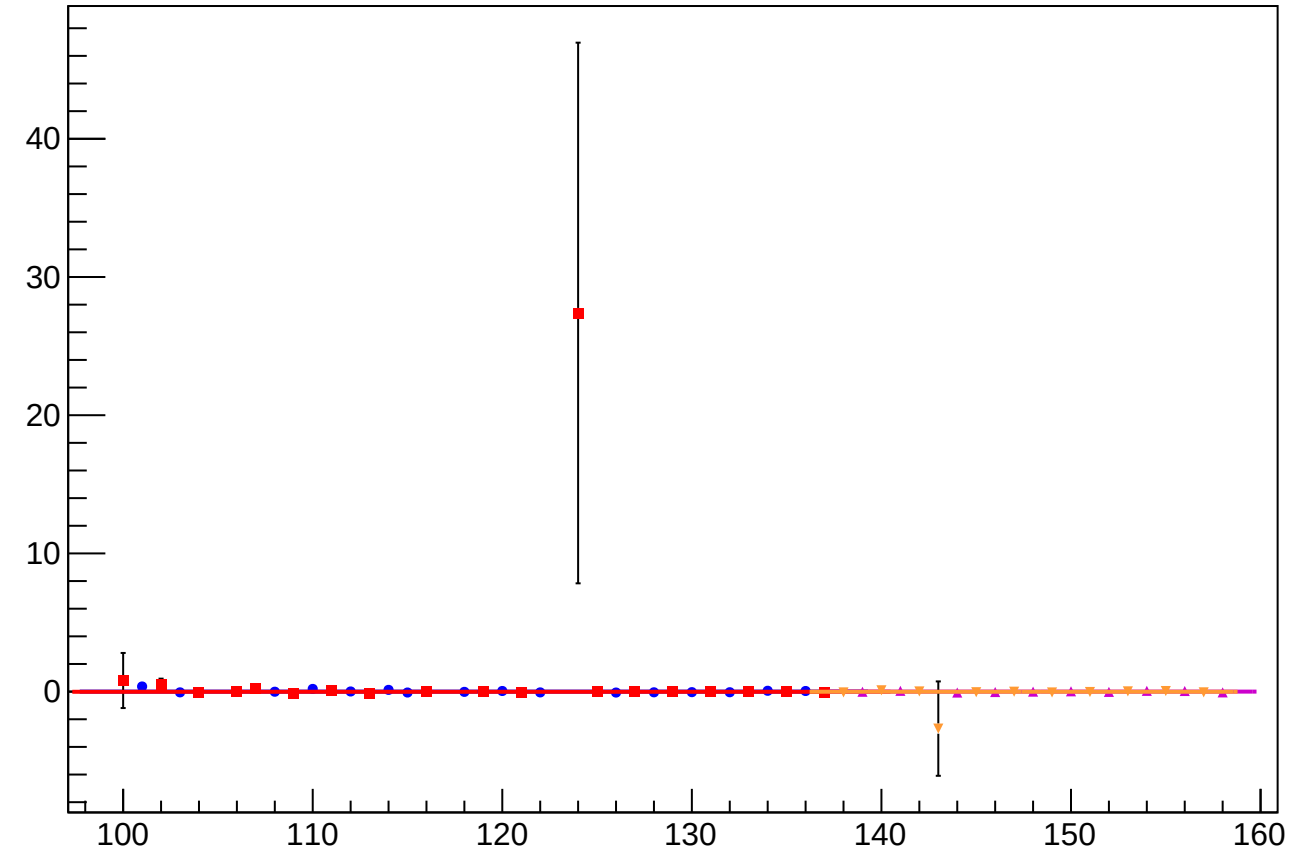
Left: 0.000+/-0.000 χ^2/NDF: 1484798.1/20

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4079389.8/25

Out: 0.000+/-0.000 χ^2/NDF:3070303.0/29

All: 0.000+/-0.000 χ^2/NDF: 7438505.1/55



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.001+/-0.012 χ^2/NDF:13.6/9

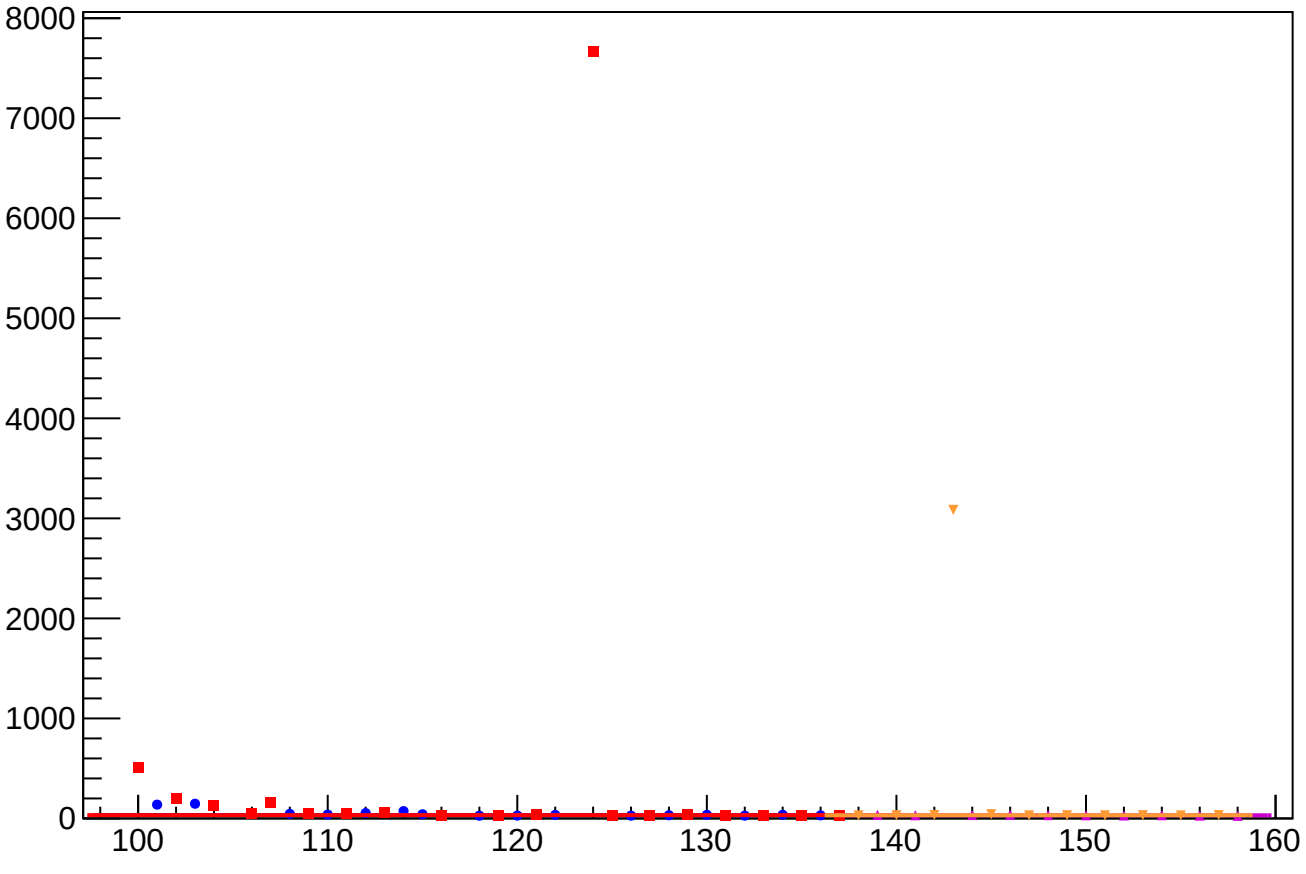
Left: -0.003+/-0.009 χ^2/NDF: 29.8/20

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.009 χ^2/NDF:34.7/25

Out: -0.009+/-0.010 χ^2/NDF:30.1/29

All: -0.004+/-0.007 χ^2/NDF: 65.5/55



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696814.4/10

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 31.746+/-0.008 χ^2/NDF:154242.1/9

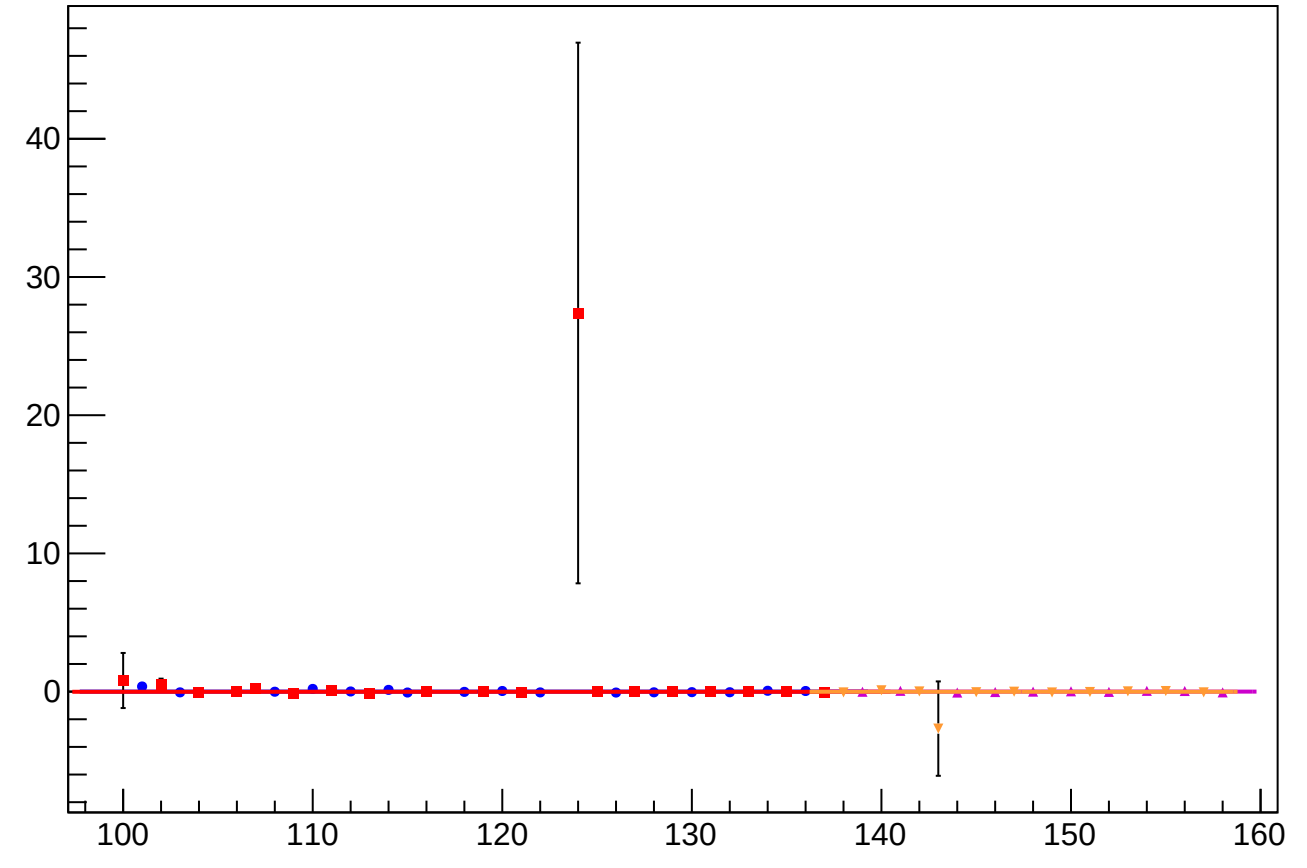
Left: 32.104+/-0.006 χ^2/NDF: 1855006.5/20

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.643+/-0.007 χ^2/NDF:1901461.3/25

Out: 32.747+/-0.007 χ^2/NDF:3773690.5/29

All: 32.693+/-0.005 χ^2/NDF: 5675273.4/55



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.001+/-0.012 χ^2/NDF:13.6/9

Left: -0.003+/-0.009 χ^2/NDF: 29.8/20

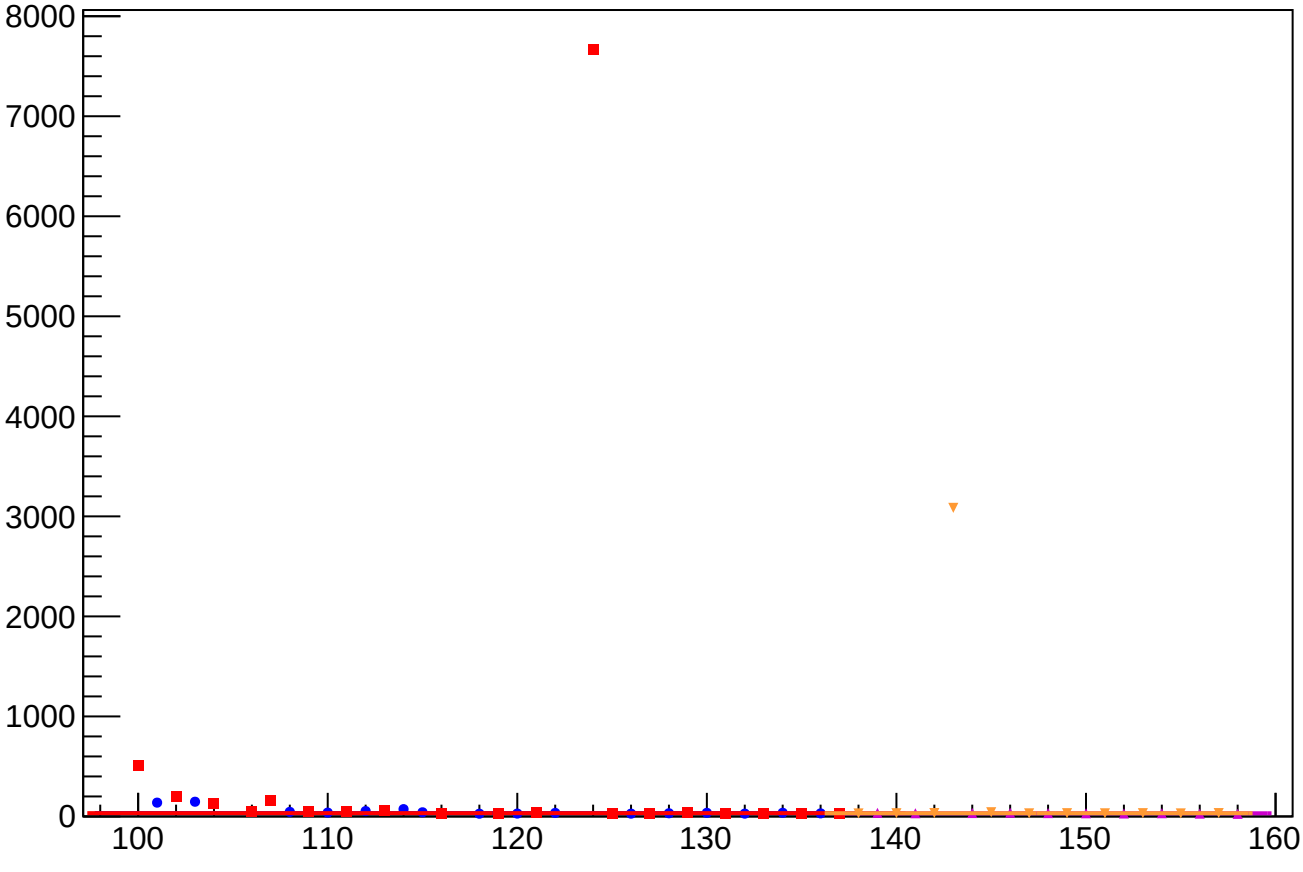
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.009 χ^2/NDF:34.7/25

Out: -0.009+/-0.010 χ^2/NDF:30.1/29

All: -0.004+/-0.007 χ^2/NDF: 65.5/55

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696814.4/10

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 31.746+/-0.008 χ^2/NDF:154242.1/9

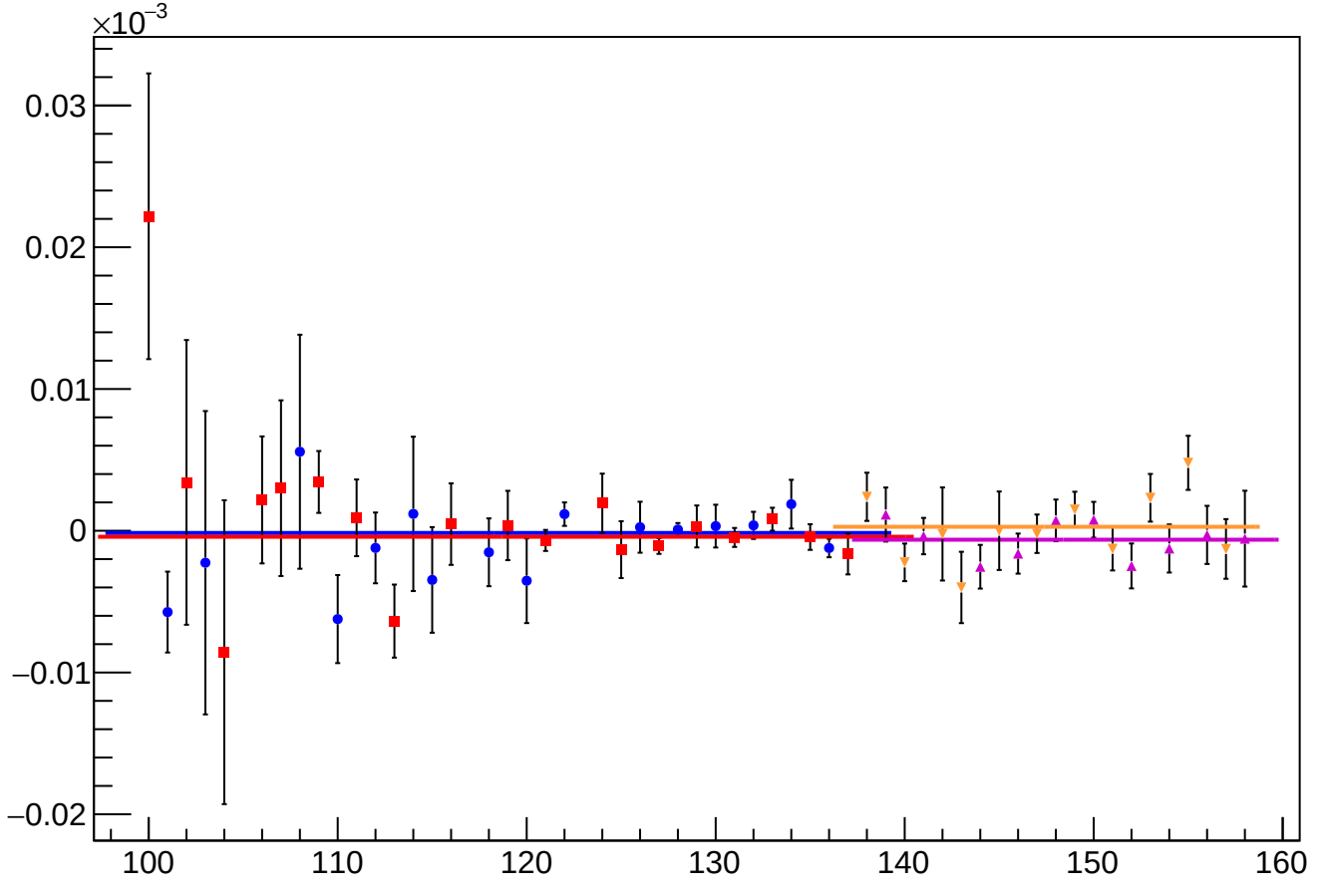
Left: 32.104+/-0.006 χ^2/NDF: 1855006.5/20

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.643+/-0.007 χ^2/NDF:1901461.3/25

Out: 32.747+/-0.007 χ^2/NDF:3773690.5/29

All: 32.693+/-0.005 χ^2/NDF: 5675273.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/9

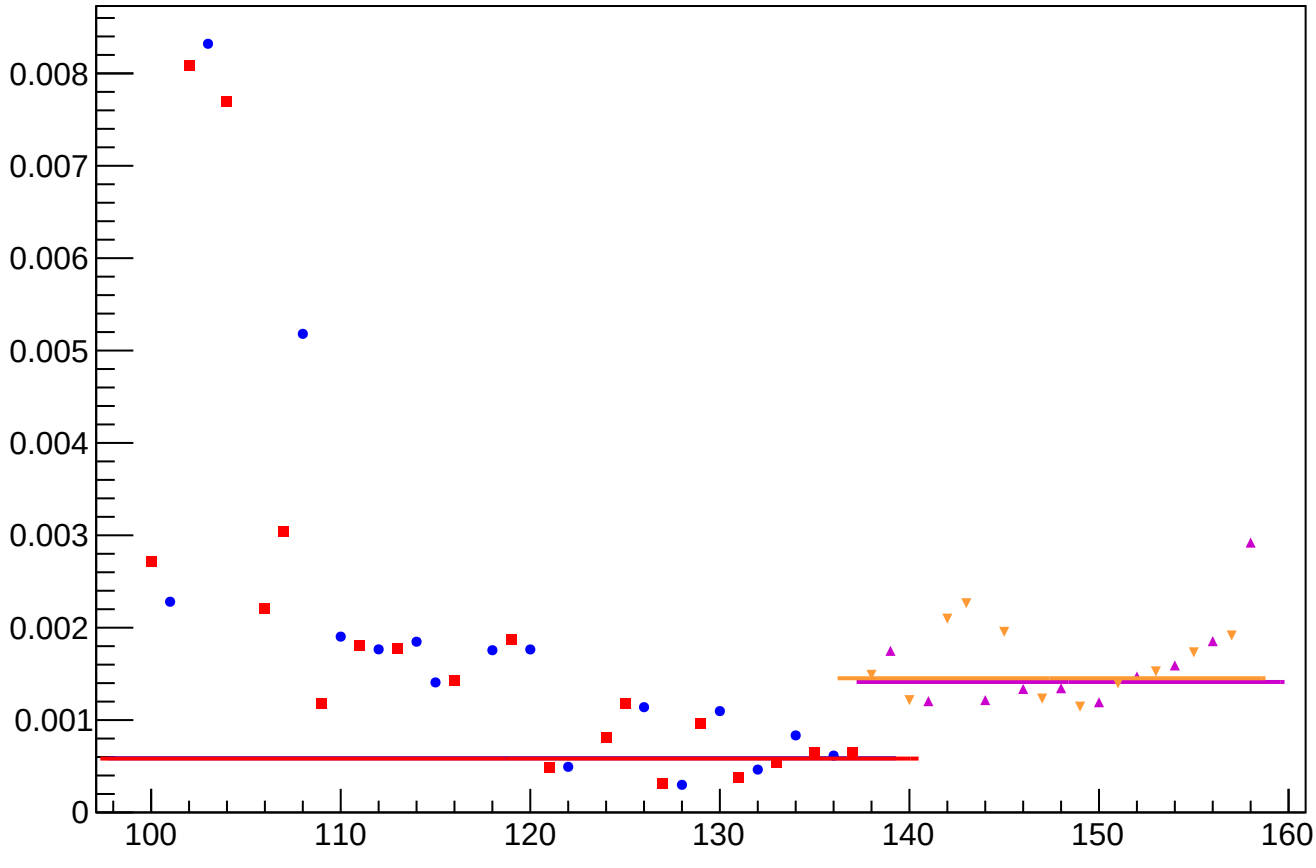
Left: -0.000+/-0.000 χ^2/NDF: 25.9/20

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:25.4/25

Out: -0.000+/-0.000 χ^2/NDF:40.8/29

All: -0.000+/-0.000 χ^2/NDF: 66.2/55



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:735136.0/10

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:733870.5/9

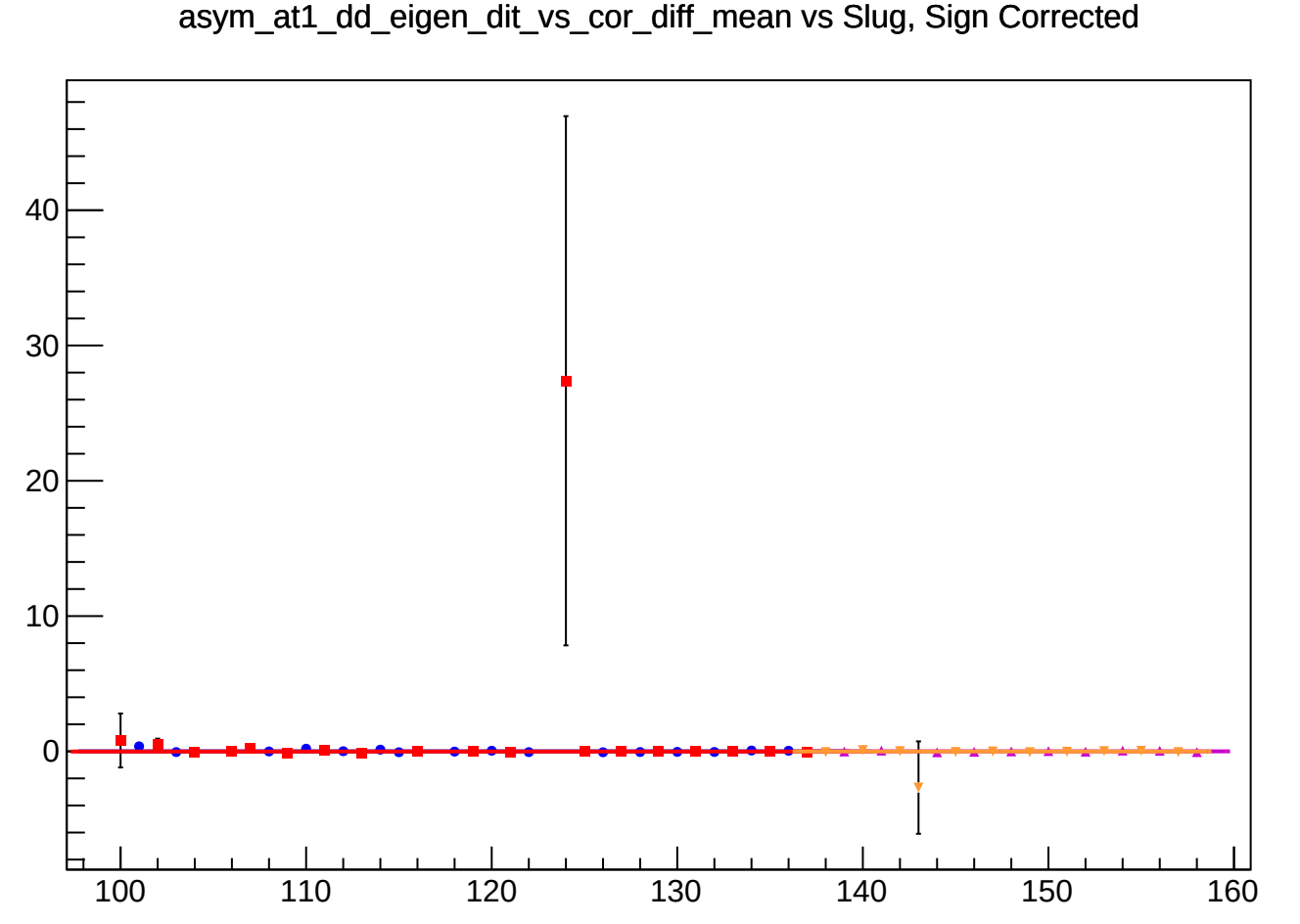
Left: 0.001+/-0.000 χ^2/NDF: 1475239.9/20

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:10249778.5/25

Out: 0.001+/-0.000 χ^2/NDF:10521123.0/29

All: 0.001+/-0.000 χ^2/NDF: 20772721.9/55



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.001+/-0.012 χ^2/NDF:13.6/9

Left: -0.003+/-0.009 χ^2/NDF: 29.8/20

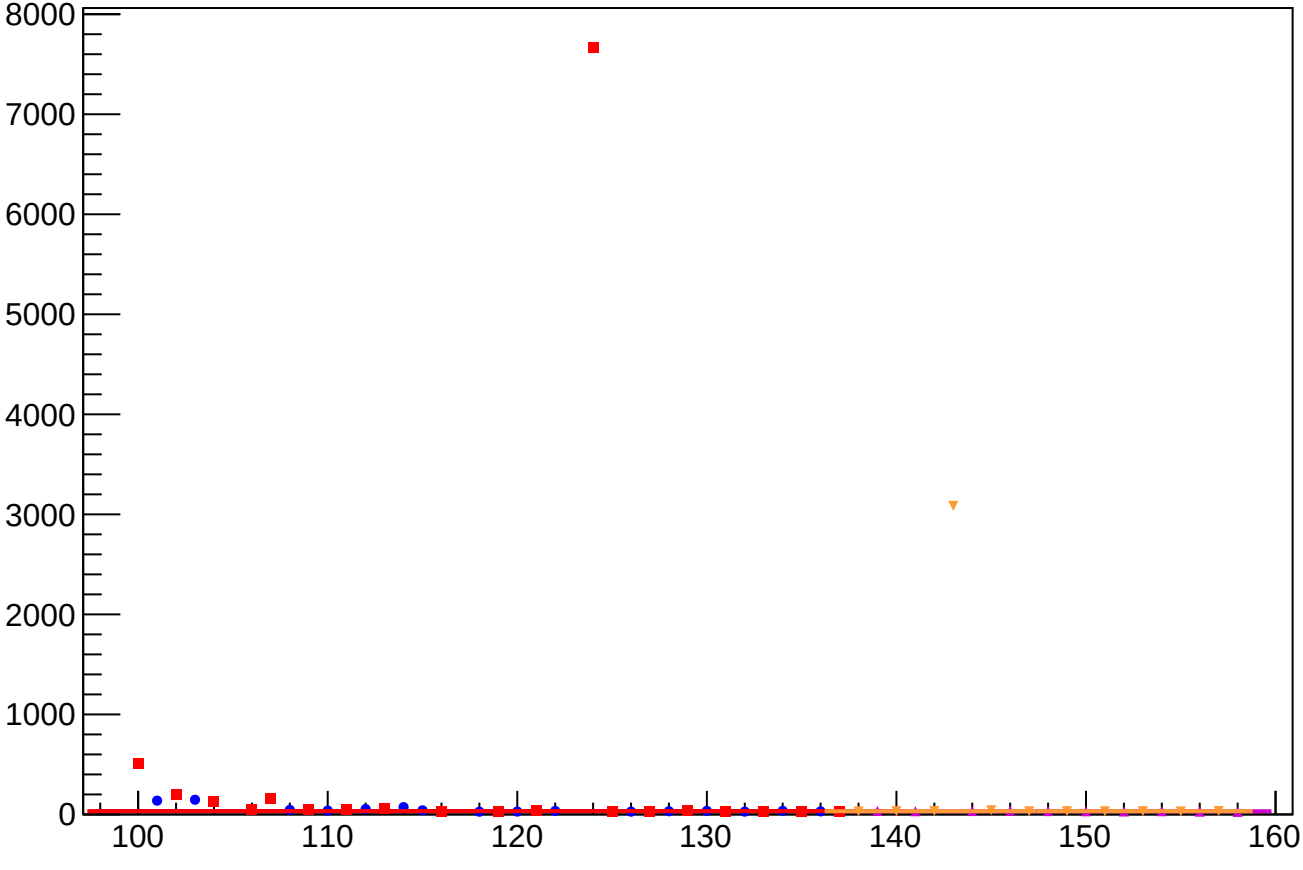
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.009 χ^2/NDF:34.7/25

Out: -0.009+/-0.010 χ^2/NDF:30.1/29

All: -0.004+/-0.007 χ^2/NDF: 65.5/55

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696818.4/10

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 31.747+/-0.008 χ^2/NDF:154186.0/9

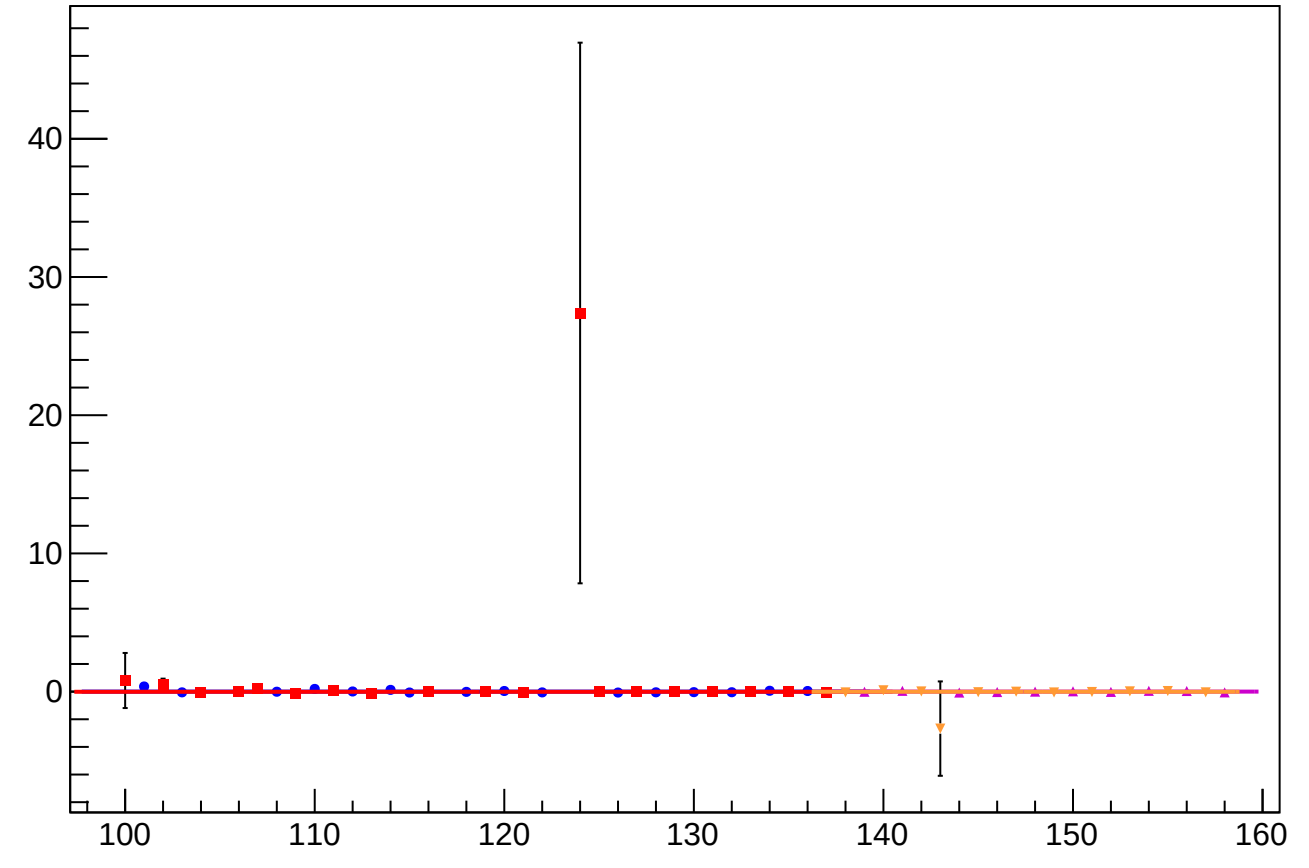
Left: 32.105+/-0.006 χ^2/NDF: 1854948.7/20

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.644+/-0.007 χ^2/NDF:1901382.3/25

Out: 32.747+/-0.007 χ^2/NDF:3773675.8/29

All: 32.693+/-0.005 χ^2/NDF: 5675178.7/55



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.001+/-0.012 χ^2/NDF:13.6/9

Left: -0.003+/-0.009 χ^2/NDF: 29.8/20

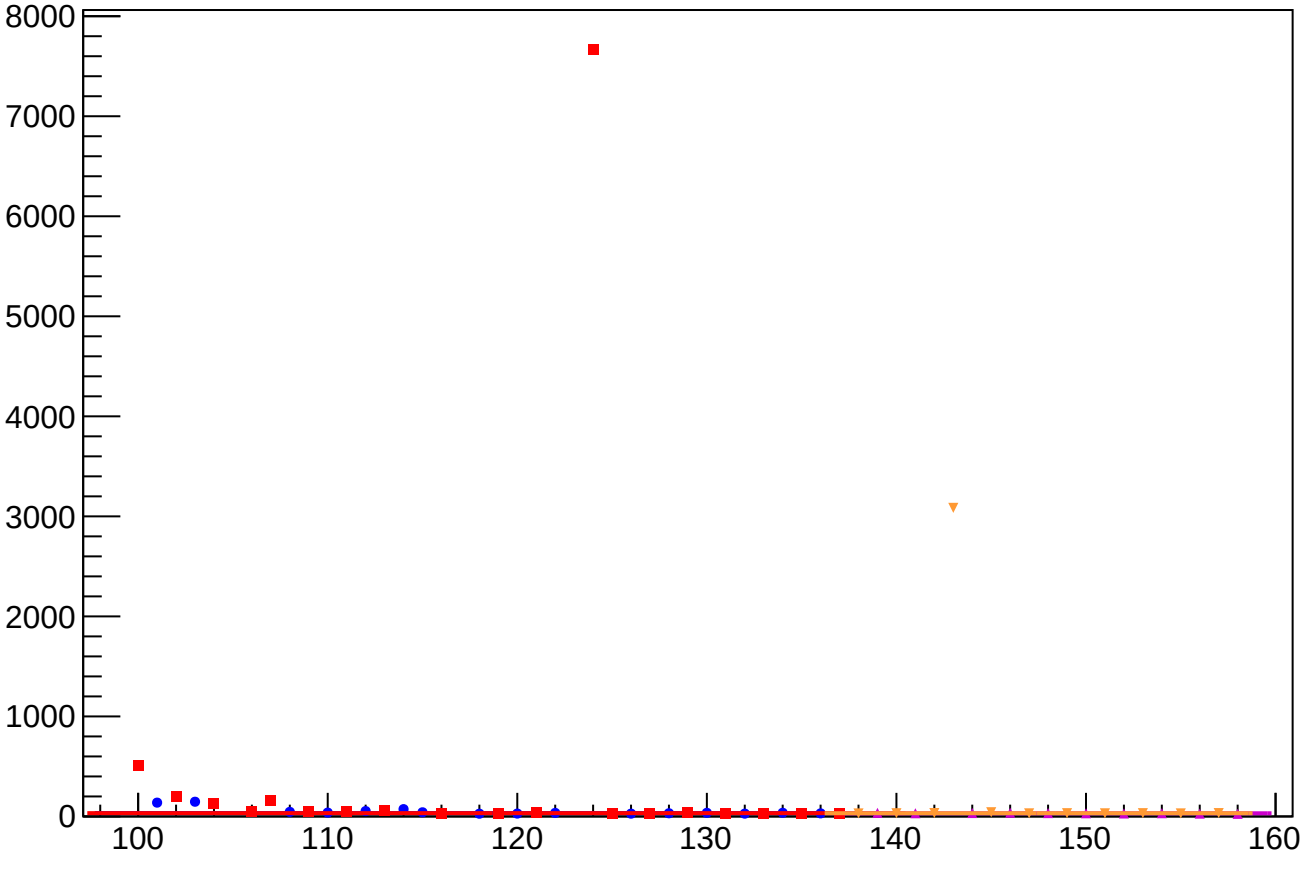
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.009 χ^2/NDF:34.7/25

Out: -0.009+/-0.010 χ^2/NDF:30.1/29

All: -0.004+/-0.007 χ^2/NDF: 65.5/55

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696818.4/10

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 31.747+/-0.008 χ^2/NDF:154186.0/9

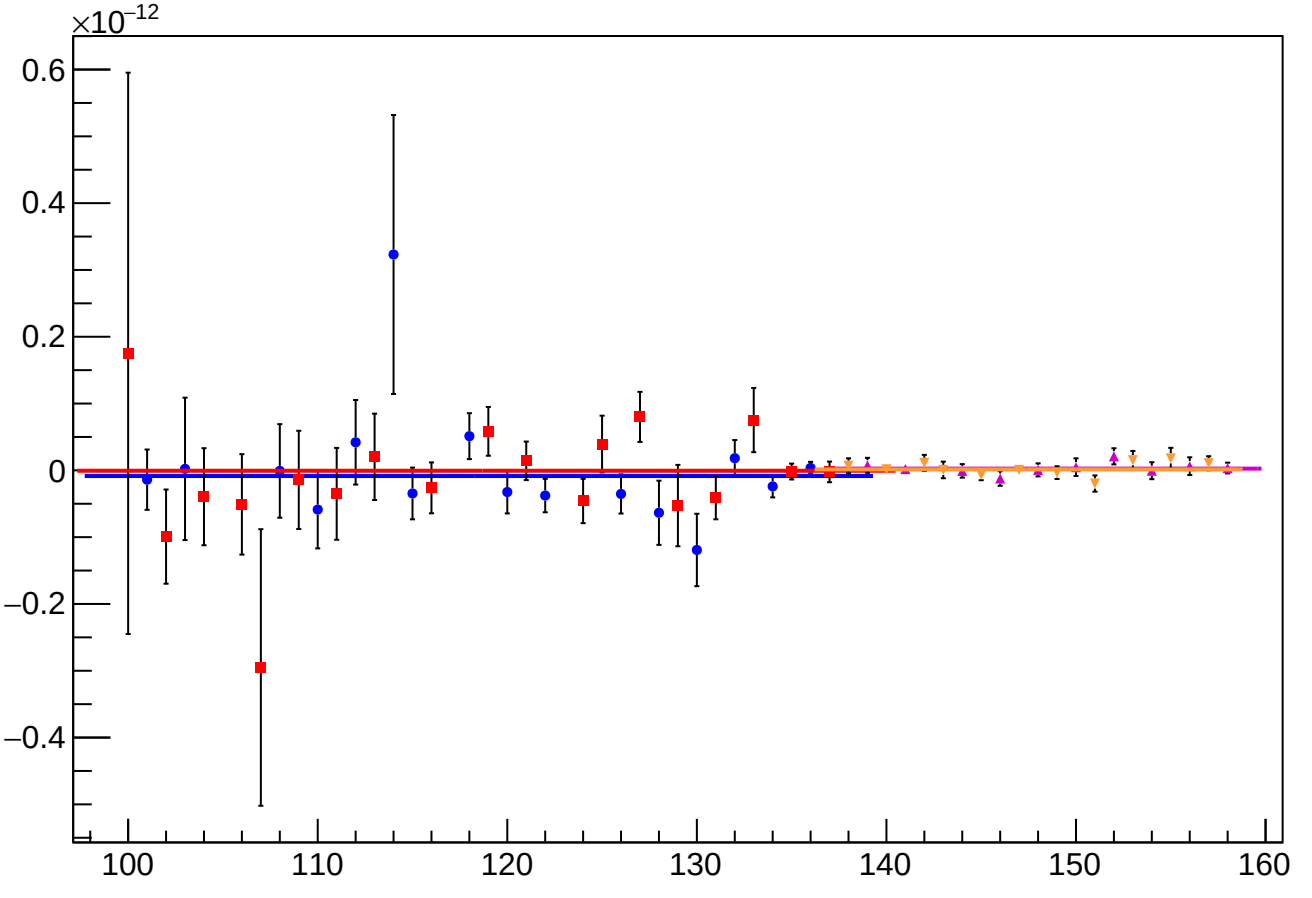
Left: 32.105+/-0.006 χ^2/NDF: 1854948.7/20

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.644+/-0.007 χ^2/NDF:1901382.3/25

Out: 32.747+/-0.007 χ^2/NDF:3773675.8/29

All: 32.693+/-0.005 χ^2/NDF: 5675178.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/9

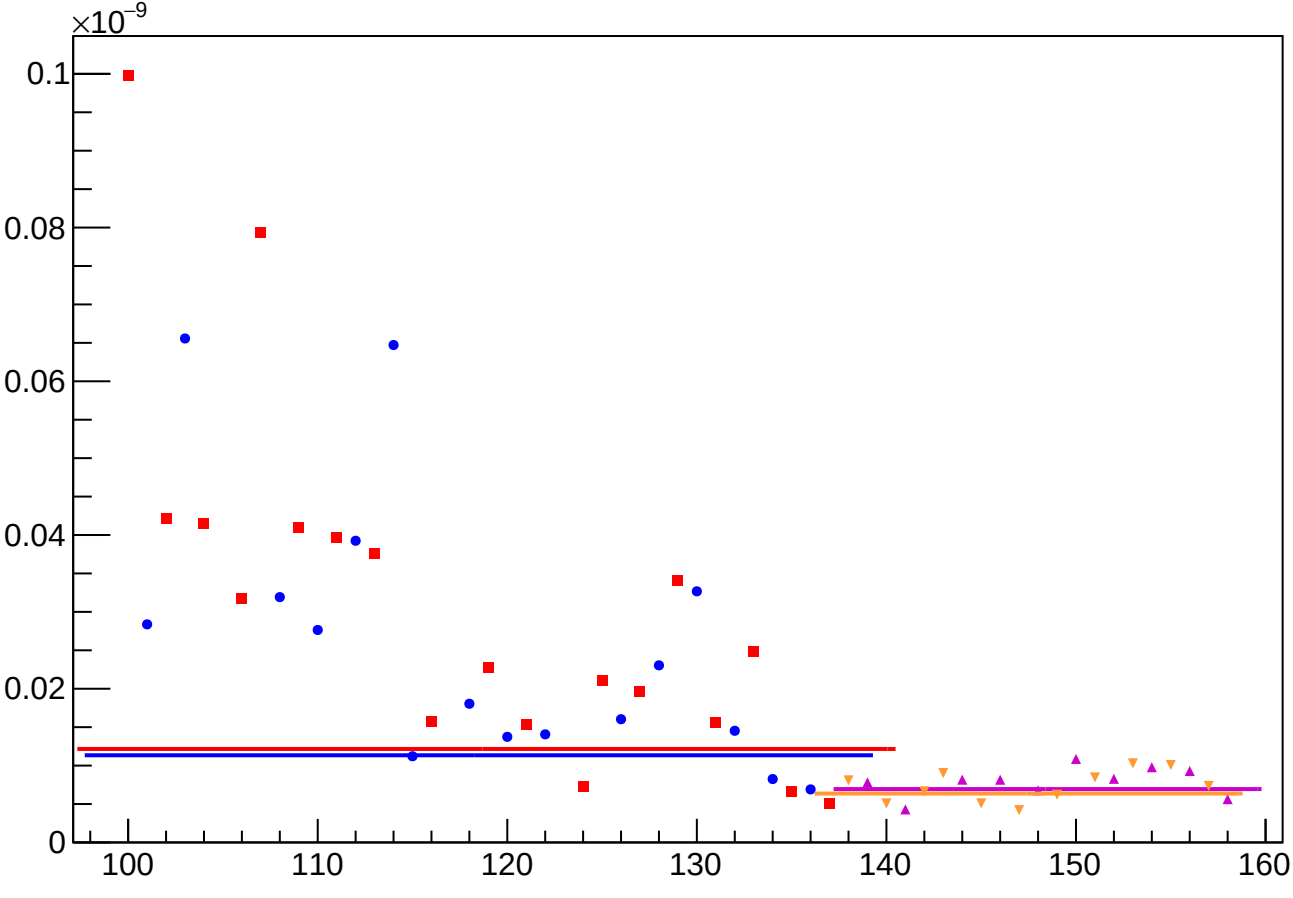
Left: 0.000+/-0.000 χ^2/NDF: 12.8/20

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:26.4/25

Out: 0.000+/-0.000 χ^2/NDF:28.9/29

All: 0.000+/-0.000 χ^2/NDF: 55.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:787465.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:854102.3/9

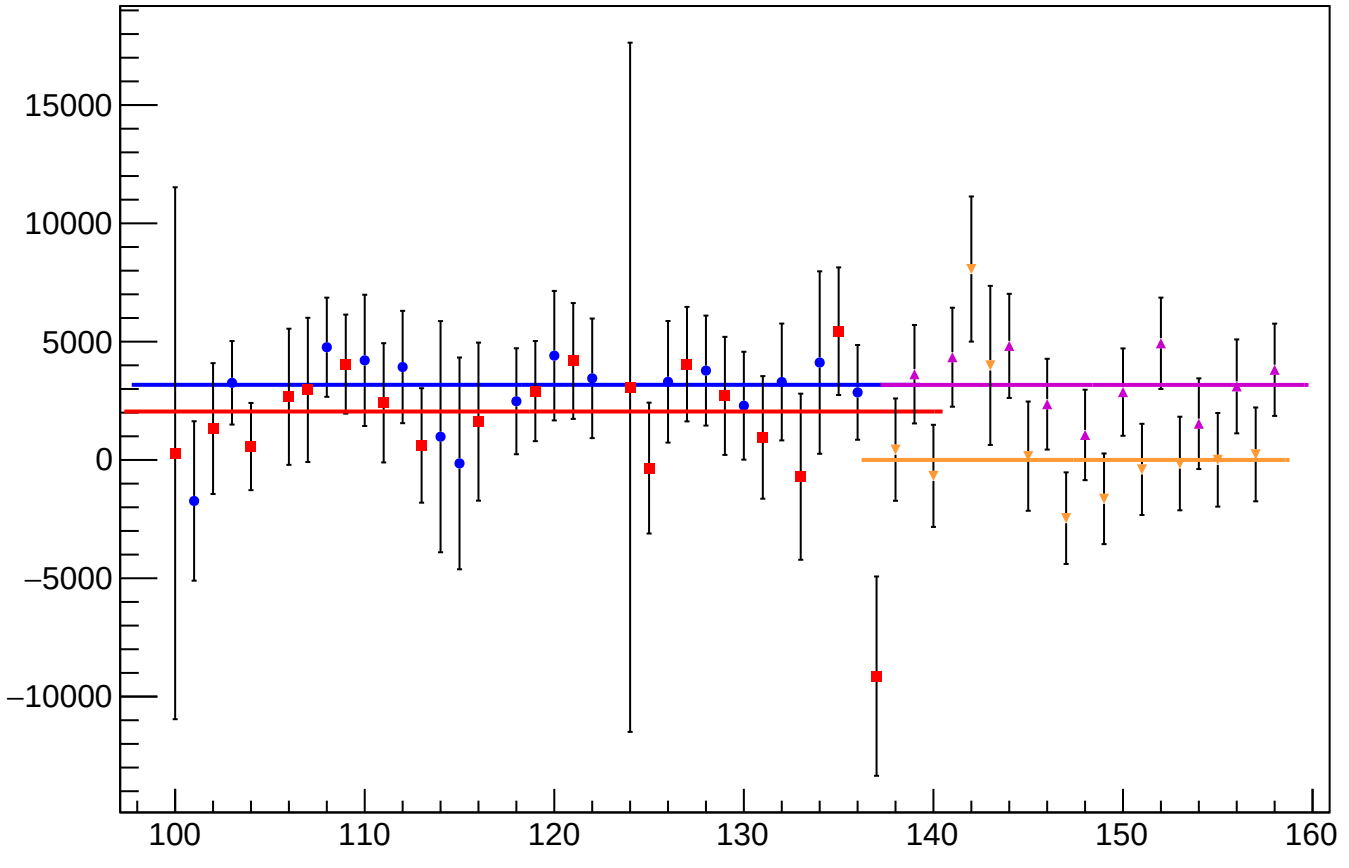
Left: 0.000+/-0.000 χ^2/NDF: 1678317.2/20

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4431418.0/25

Out: 0.000+/-0.000 χ^2/NDF:5642899.9/29

All: 0.000+/-0.000 χ^2/NDF: 10121567.9/55



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1.093+/-647.452 χ^2/NDF:10.9/10

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3172.517+/-624.721 χ^2/NDF:4.0/9

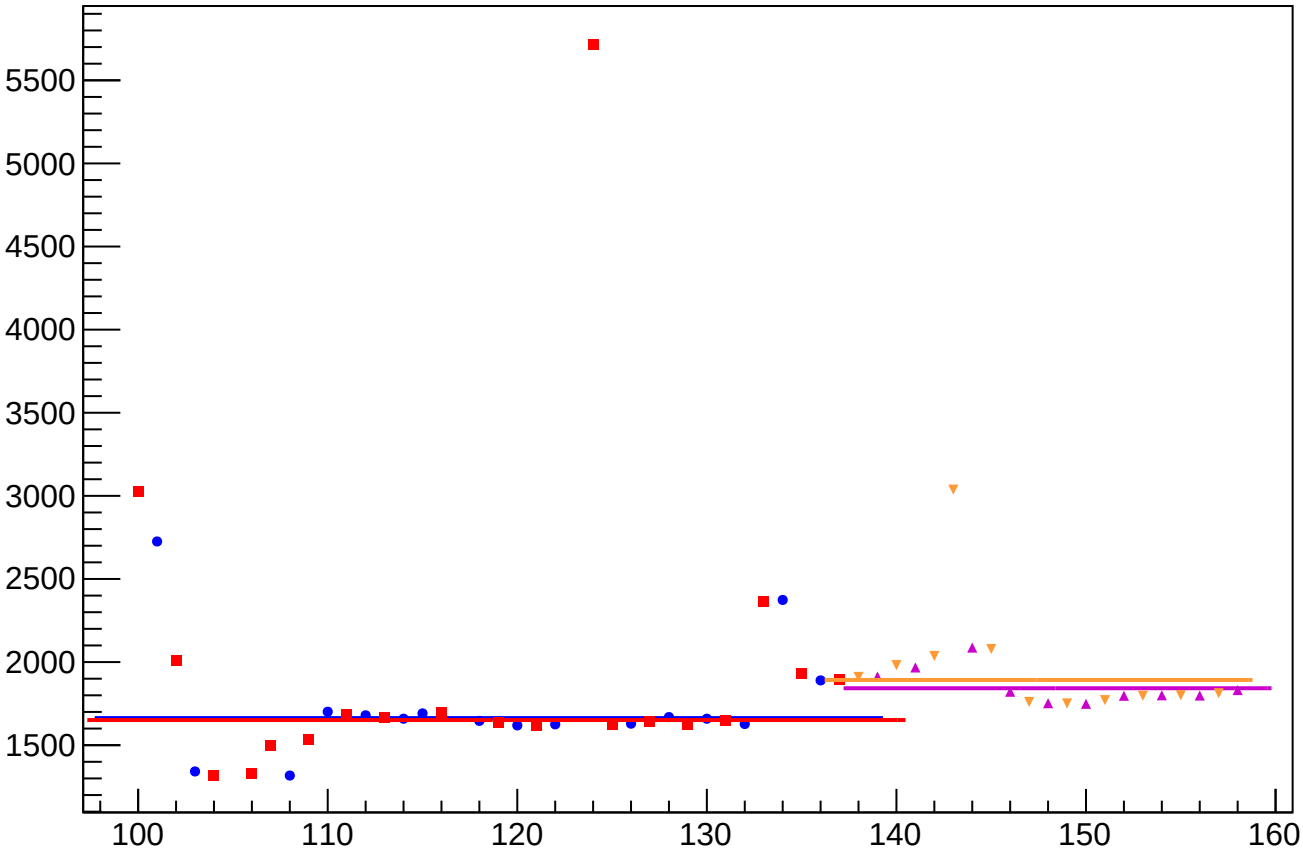
Left: 1643.454+/-449.566 χ^2/NDF: 27.3/20

Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3174.050+/-442.896 χ^2/NDF:8.3/25

Out: 1066.084+/-448.360 χ^2/NDF:30.1/29

All: 2132.990+/-315.089 χ^2/NDF: 49.7/55



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1892.380+/-0.458 χ^2/NDF:293285.4/10

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

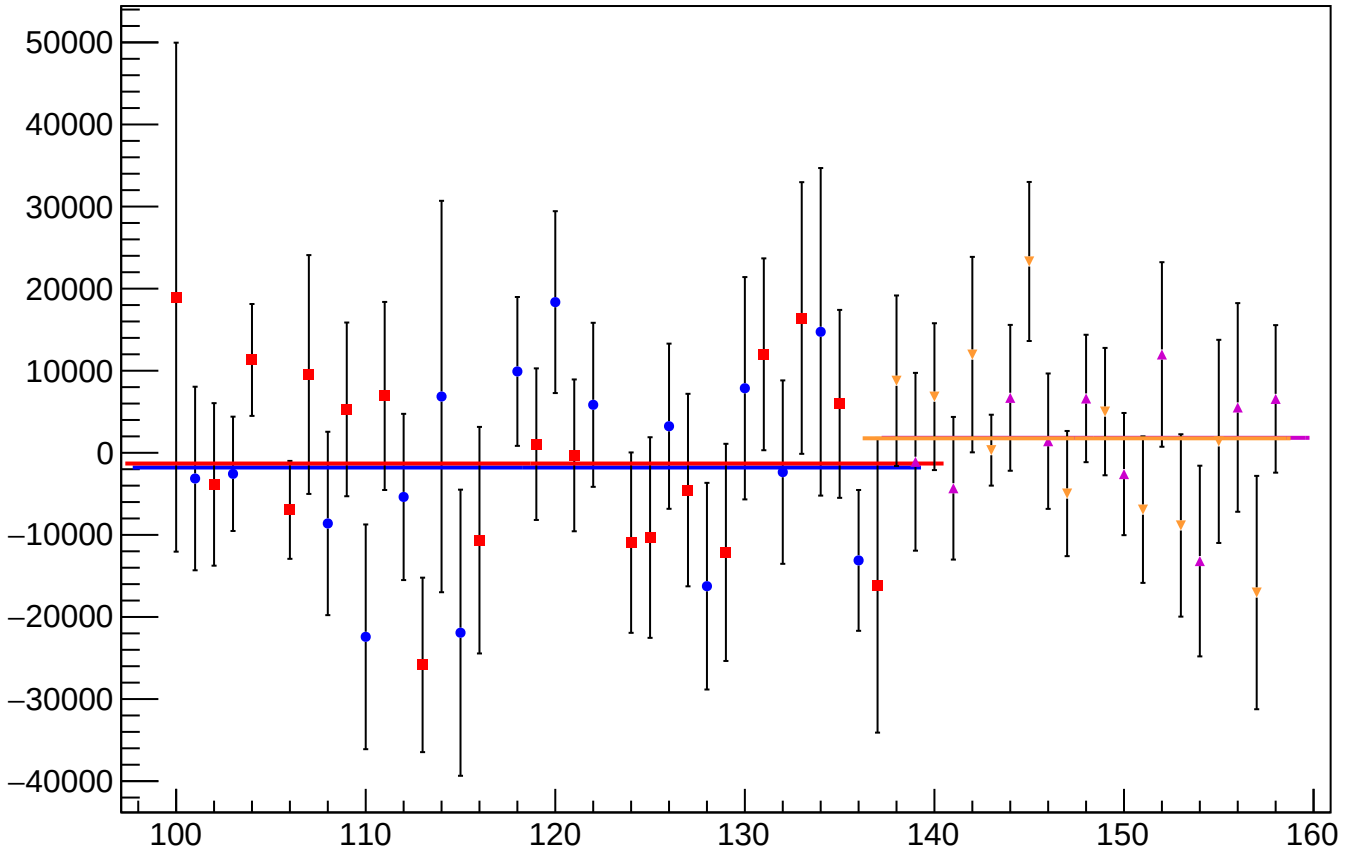
Left: 1866.582+/-0.318 χ^2/NDF: 346532.8/20

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1753.202+/-0.313 χ^2/NDF:545021.4/25

Out: 1766.922+/-0.317 χ^2/NDF:869539.7/29

All: 1759.978+/-0.223 χ^2/NDF: 1415509.1/55



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 1766.564+/-2507.552 χ^2/NDF:11.1/10

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 1825.731+/-2914.983 χ^2/NDF:4.5/9

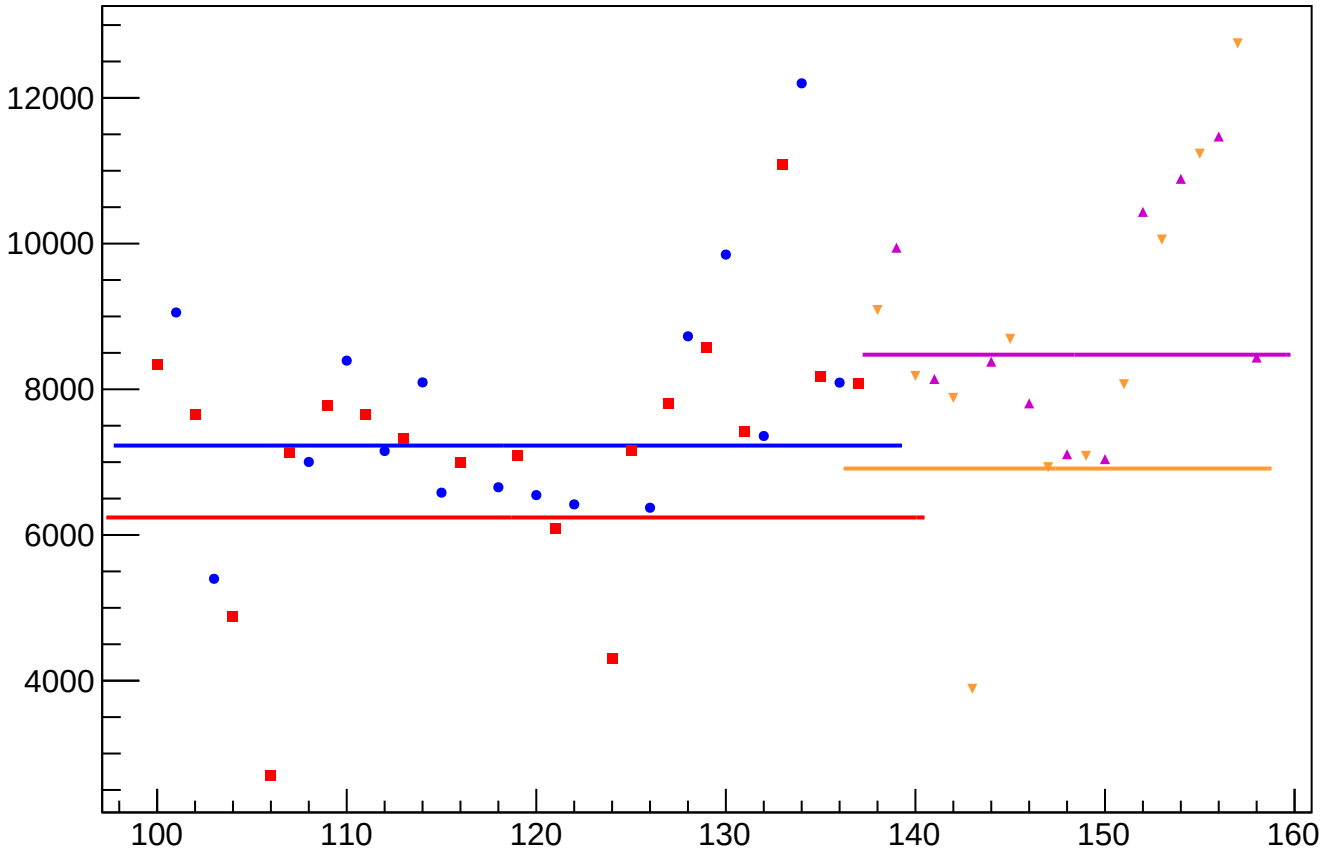
Left: 1791.726+/-1900.974 χ^2/NDF: 15.6/20

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -92.080+/-1997.866 χ^2/NDF:19.6/25

Out: 181.914+/-1745.066 χ^2/NDF:29.6/29

All: 63.339+/-1314.295 χ^2/NDF: 49.2/55



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6912.292+/-1.773 χ^2/NDF:1965234.9/10

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8475.020+/-2.061 χ^2/NDF:447563.7/9

Left: 7576.897+/-1.344 χ^2/NDF: 2743150.6/20

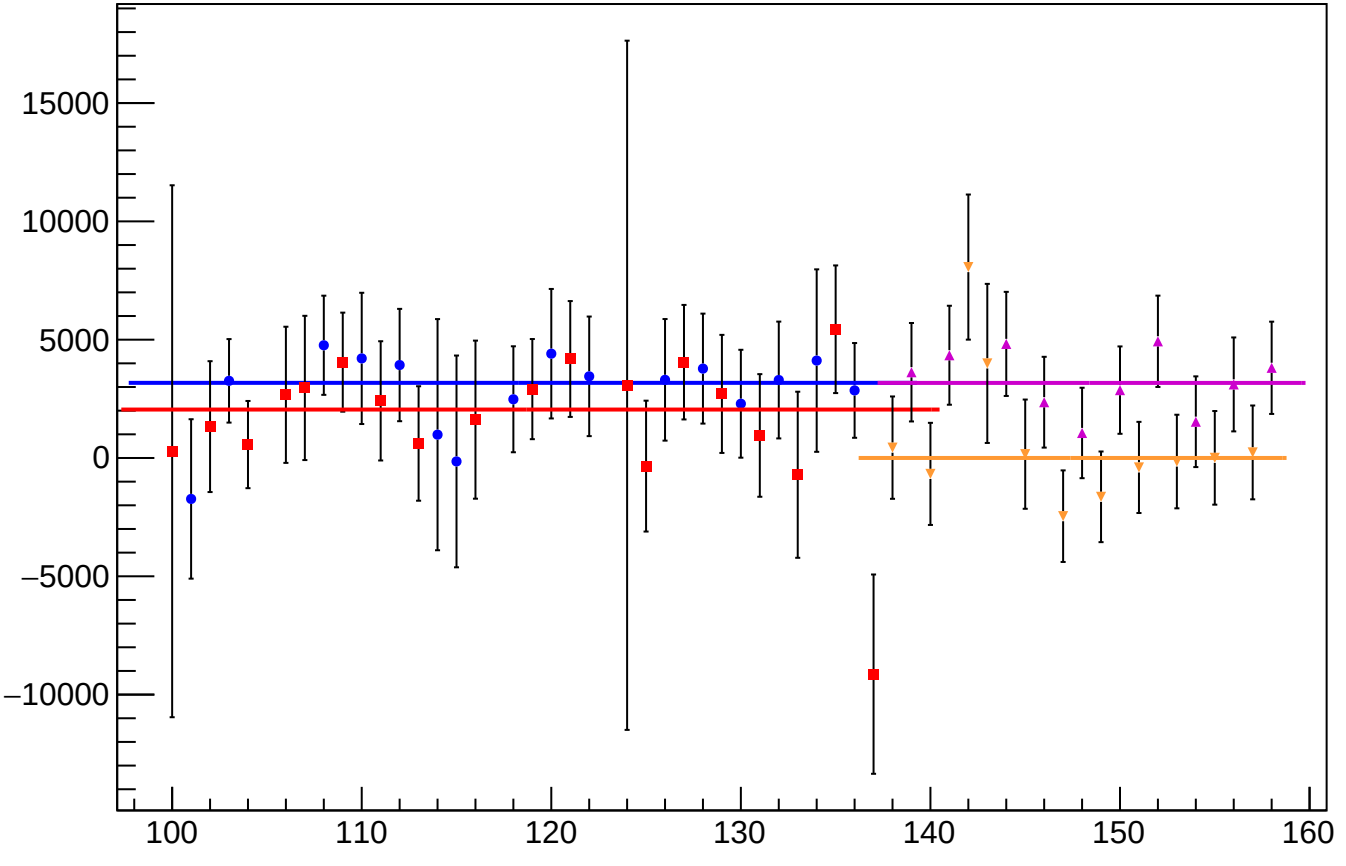
Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7813.562+/-1.413 χ^2/NDF:1145036.5/25

Out: 6565.885+/-1.234 χ^2/NDF:3438326.5/29

All: 7105.837+/-0.929 χ^2/NDF: 5025812.6/55

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1.073+/-647.452 χ^2/NDF:10.9/10

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3172.653+/-624.721 χ^2/NDF:4.0/9

Left: 1643.514+/-449.566 χ^2/NDF: 27.3/20

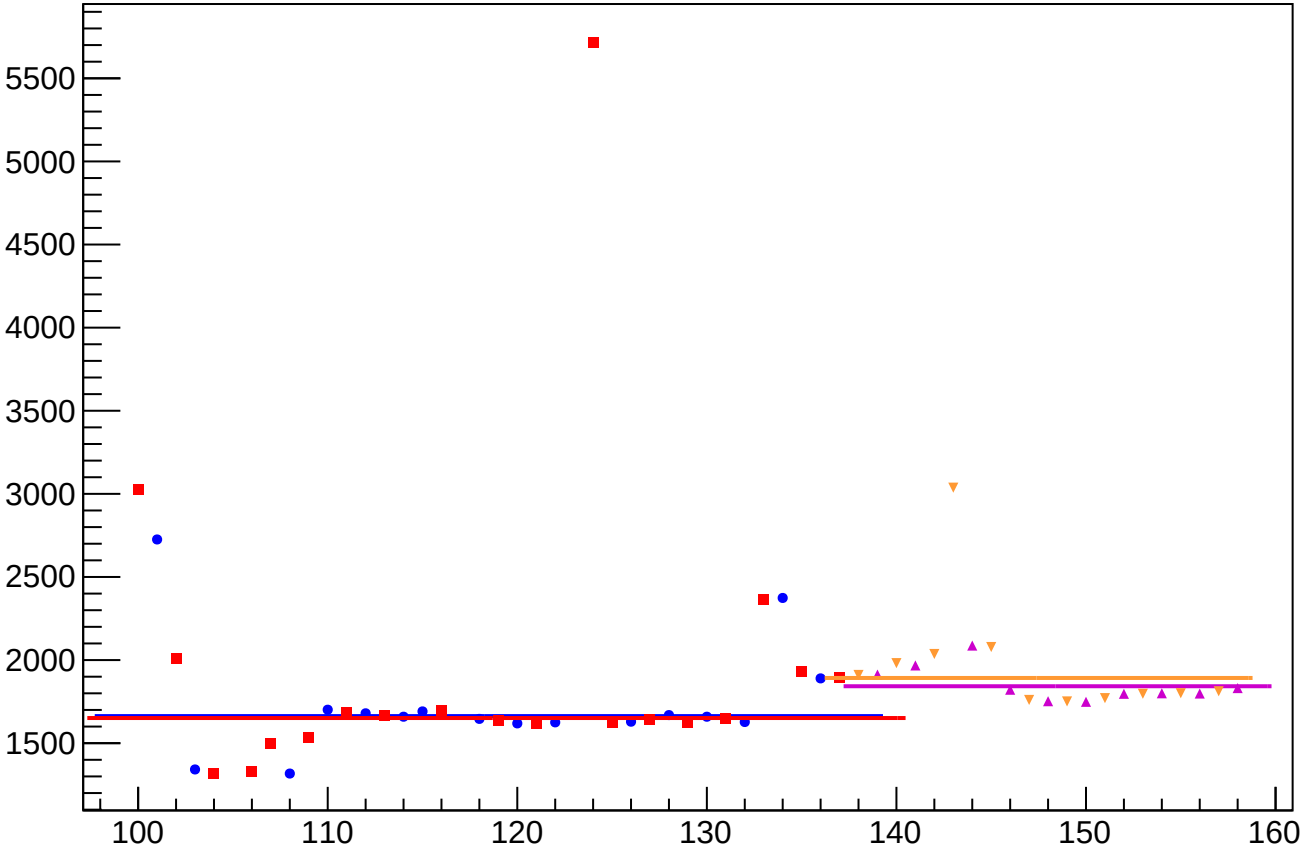
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3174.163+/-442.896 χ^2/NDF:8.3/25

Out: 1065.973+/-448.360 χ^2/NDF:30.1/29

All: 2132.992+/-315.089 χ^2/NDF: 49.7/55

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1892.380+/-0.458 χ^2/NDF:293285.5/10

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

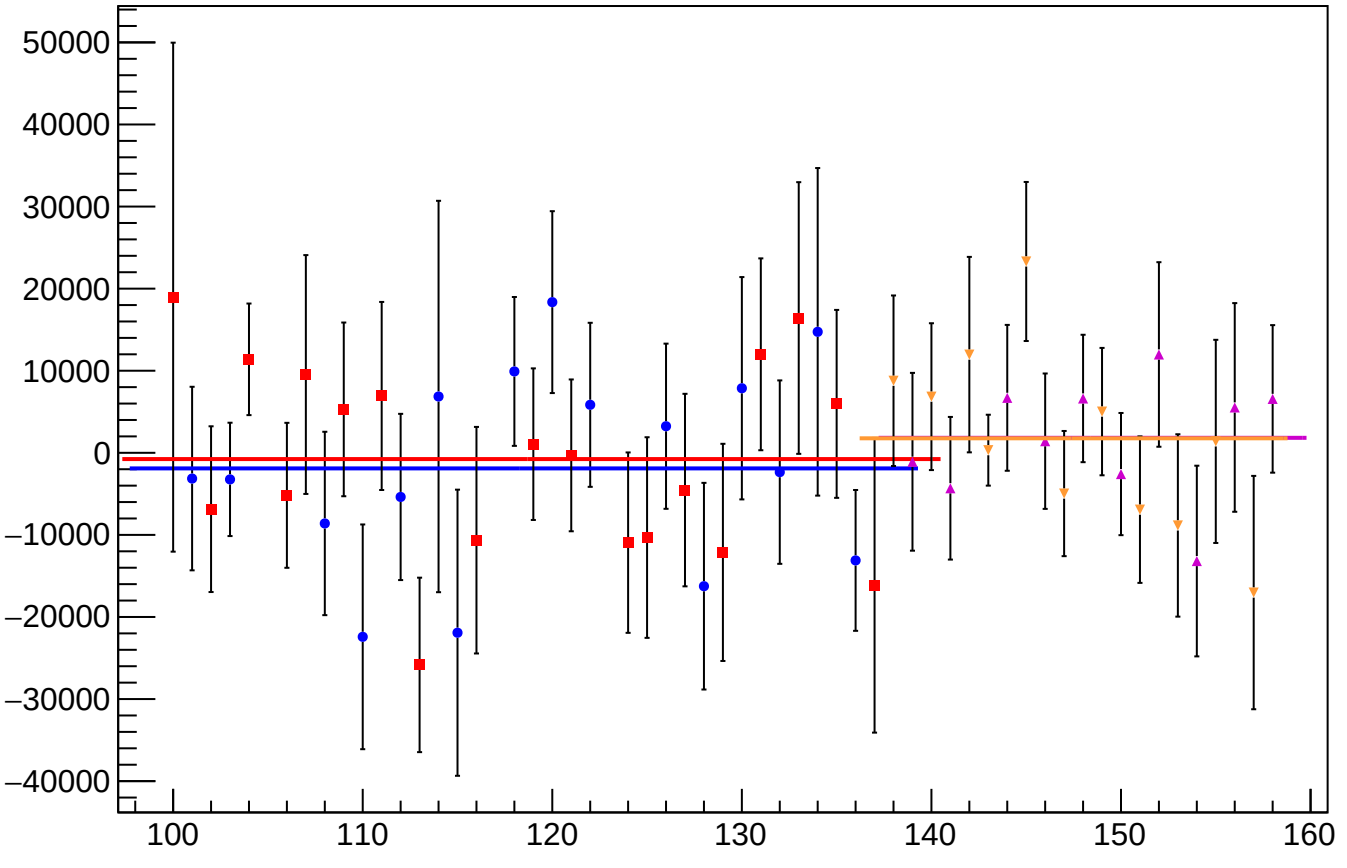
Left: 1866.582+/-0.318 χ^2/NDF: 346532.8/20

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1753.202+/-0.313 χ^2/NDF:545021.8/25

Out: 1766.922+/-0.317 χ^2/NDF:869540.0/29

All: 1759.978+/-0.223 χ^2/NDF: 1415509.9/55



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 1766.469+/-2507.542 χ^2/NDF:11.1/10

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1825.902+/-2914.981 χ^2/NDF:4.5/9

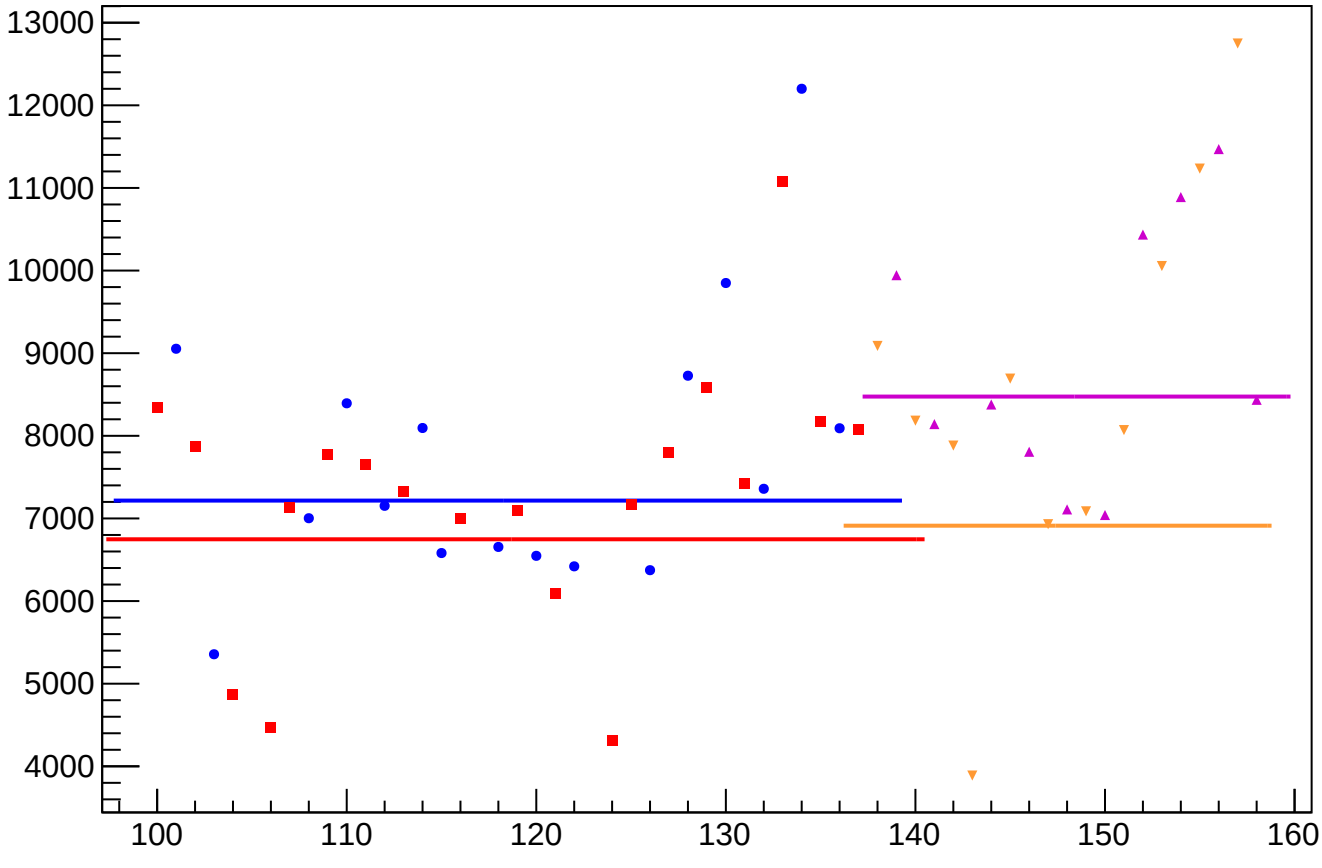
Left: 1791.745+/-1900.969 χ^2/NDF: 15.6/20

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -152.326+/-1996.450 χ^2/NDF:19.7/25

Out: 523.179+/-1787.902 χ^2/NDF:28.9/29

All: 222.540+/-1331.887 χ^2/NDF: 48.7/55



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6912.254+/-1.773 χ^2/NDF:1965280.1/10

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8475.014+/-2.061 χ^2/NDF:447565.8/9

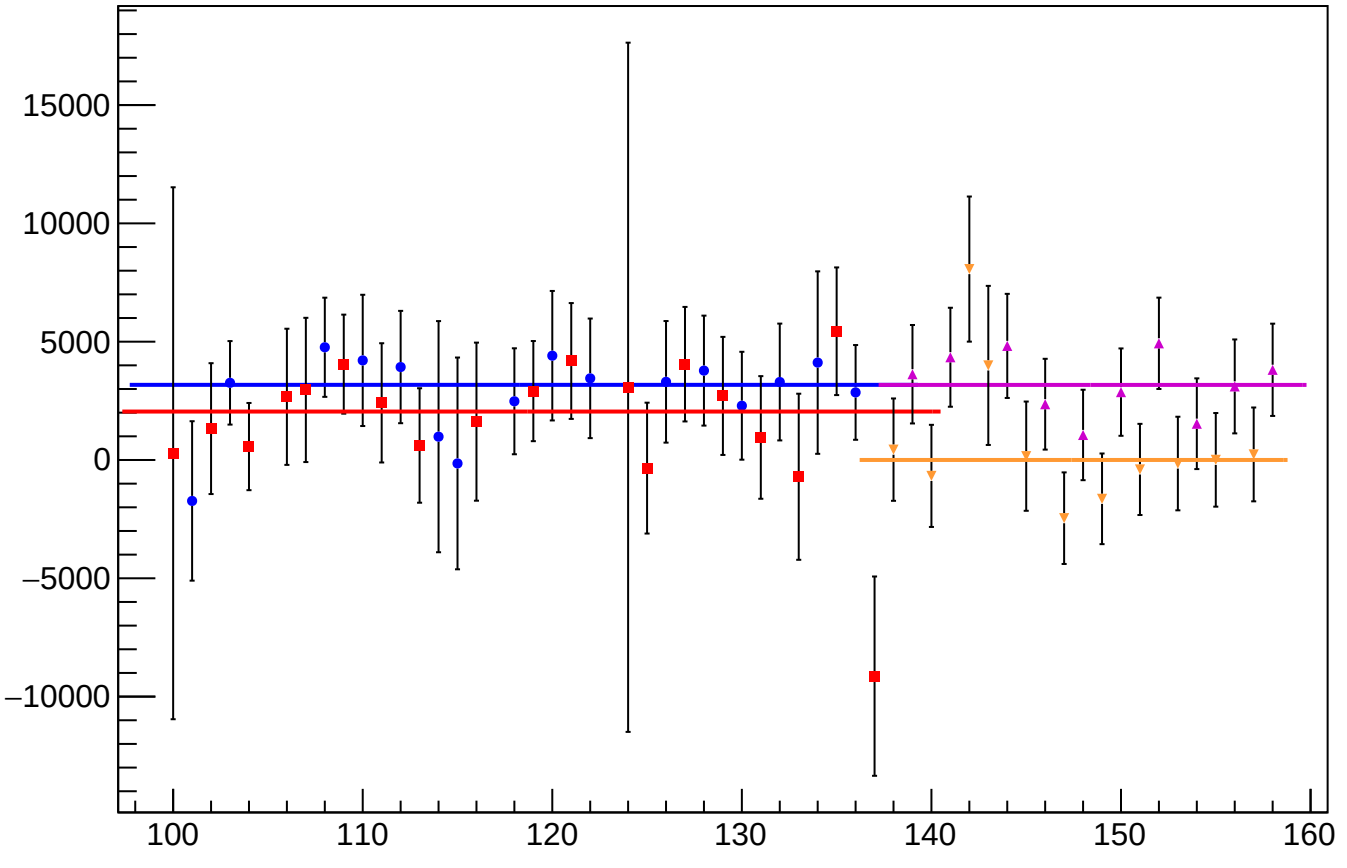
Left: 7576.870+/-1.344 χ^2/NDF: 2743213.2/20

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7806.592+/-1.412 χ^2/NDF:1157767.2/25

Out: 6831.374+/-1.264 χ^2/NDF:2678305.8/29

All: 7265.404+/-0.942 χ^2/NDF: 4100900.5/55



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1.073+/-647.452 χ^2/NDF:10.9/10

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3172.653+/-624.721 χ^2/NDF:4.0/9

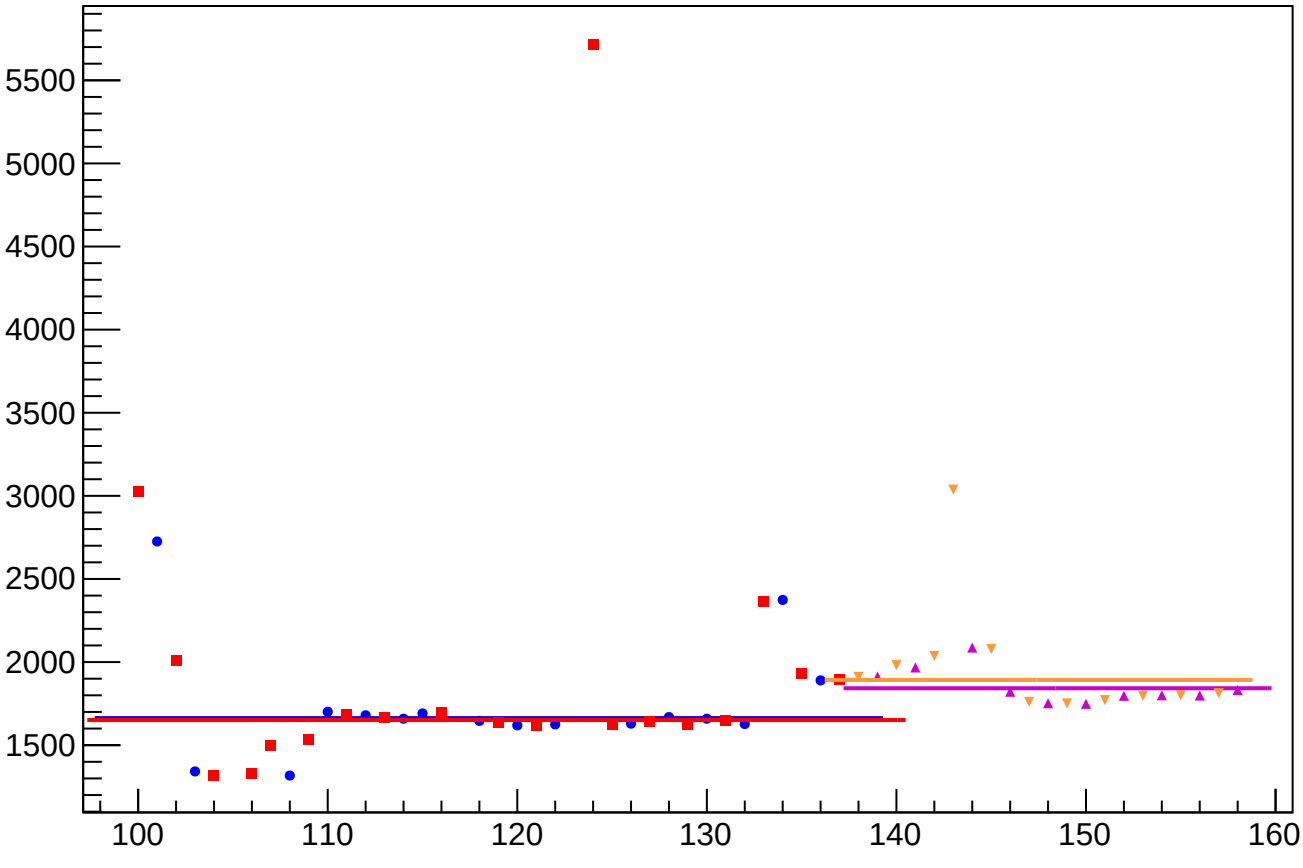
Left: 1643.514+/-449.566 χ^2/NDF: 27.3/20

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3174.163+/-442.896 χ^2/NDF:8.3/25

Out: 1065.973+/-448.360 χ^2/NDF:30.1/29

All: 2132.992+/-315.089 χ^2/NDF: 49.7/55



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1892.380+/-0.458 χ^2/NDF:293285.5/10

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

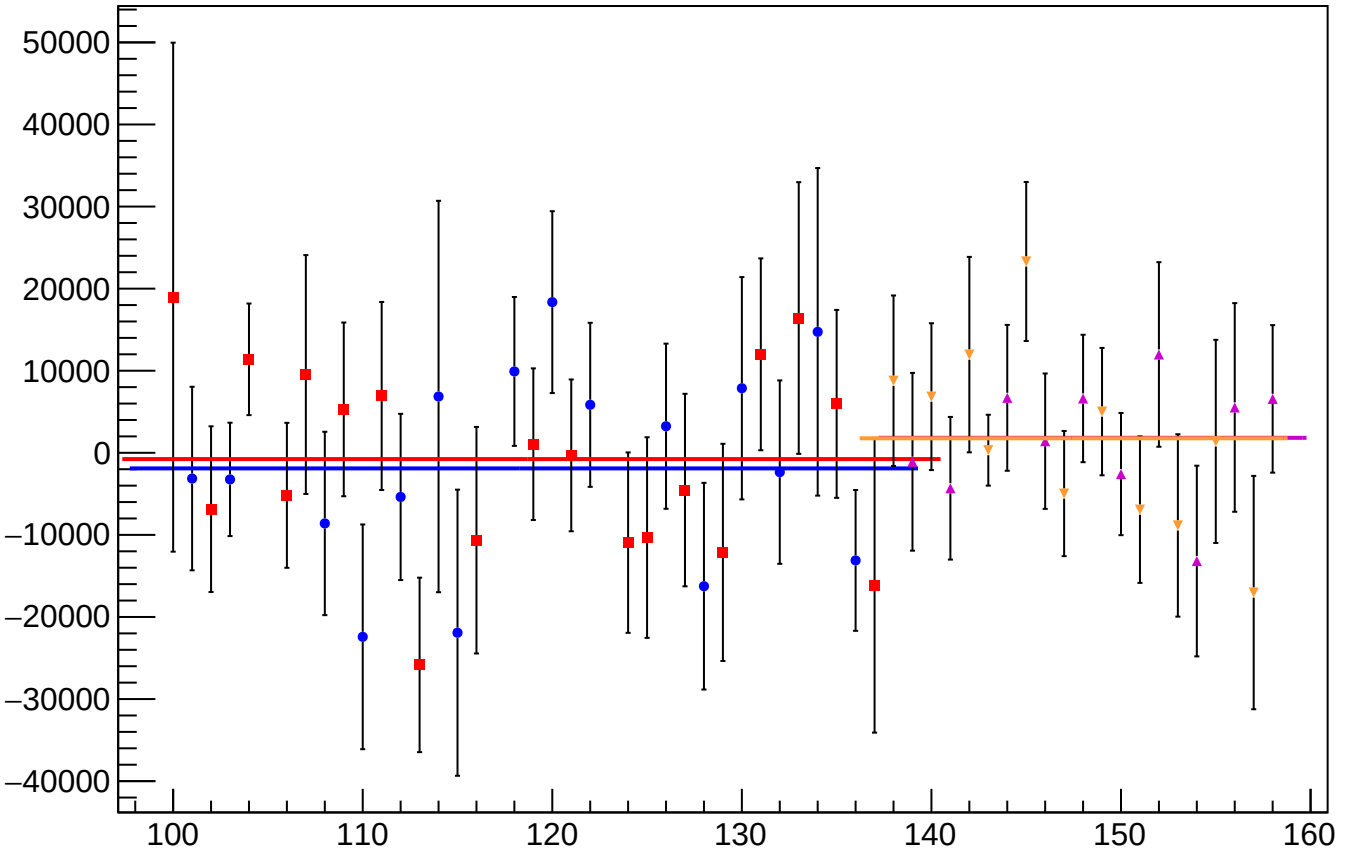
Left: 1866.582+/-0.318 χ^2/NDF: 346532.8/20

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1753.202+/-0.313 χ^2/NDF:545021.8/25

Out: 1766.922+/-0.317 χ^2/NDF:869540.0/29

All: 1759.978+/-0.223 χ^2/NDF: 1415509.9/55



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 1766.469+/-2507.542 χ^2/NDF:11.1/10

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1825.902+/-2914.981 χ^2/NDF:4.5/9

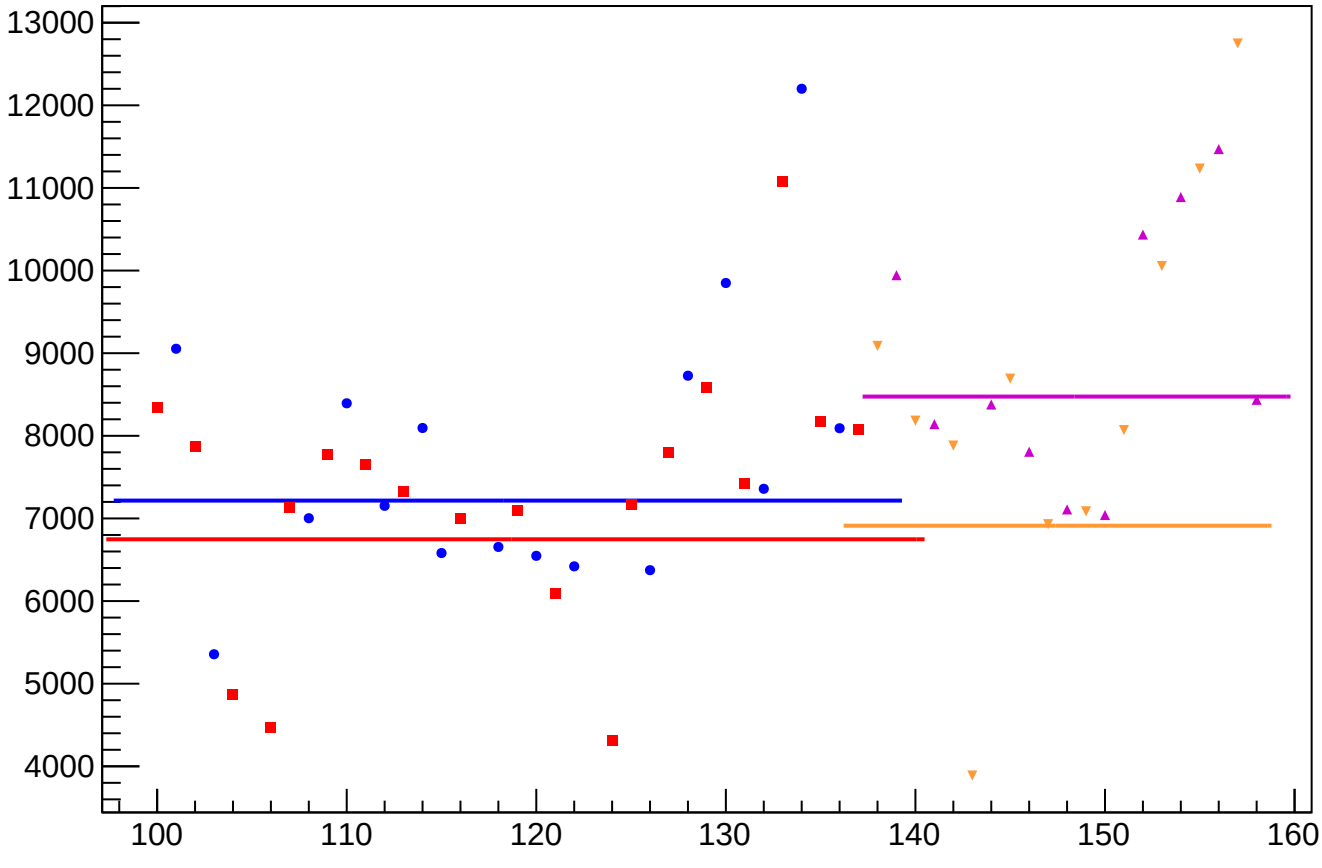
Left: 1791.745+/-1900.969 χ^2/NDF: 15.6/20

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -152.326+/-1996.450 χ^2/NDF:19.7/25

Out: 523.179+/-1787.902 χ^2/NDF:28.9/29

All: 222.540+/-1331.887 χ^2/NDF: 48.7/55



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6912.254+/-1.773 χ^2/NDF:1965280.1/10

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8475.014+/-2.061 χ^2/NDF:447565.8/9

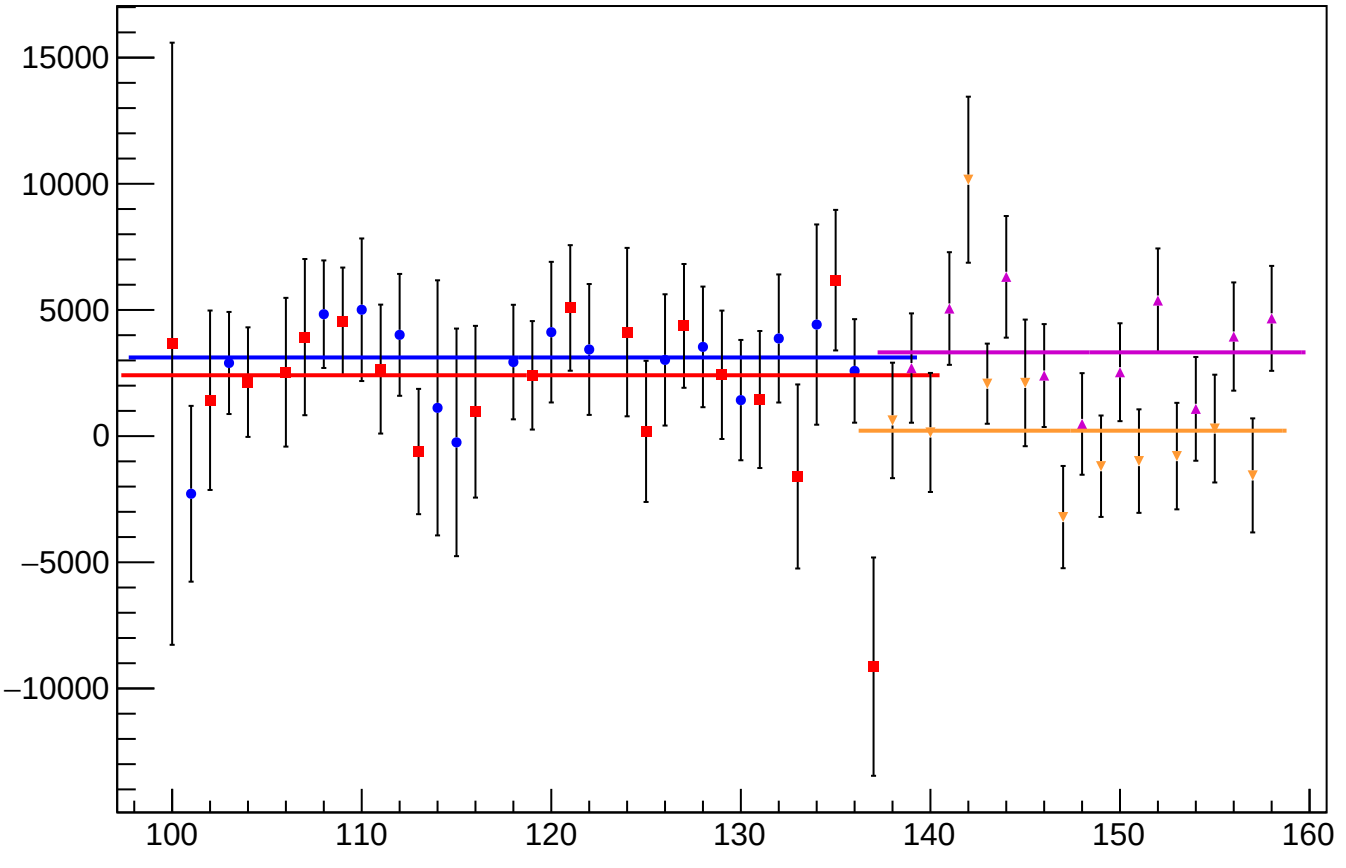
Left: 7576.870+/-1.344 χ^2/NDF: 2743213.2/20

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7806.592+/-1.412 χ^2/NDF:1157767.2/25

Out: 6831.374+/-1.264 χ^2/NDF:2678305.8/29

All: 7265.404+/-0.942 χ^2/NDF: 4100900.5/55



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 215.340+/-647.265 χ^2/NDF:15.7/10

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3320.073+/-665.378 χ^2/NDF:7.3/9

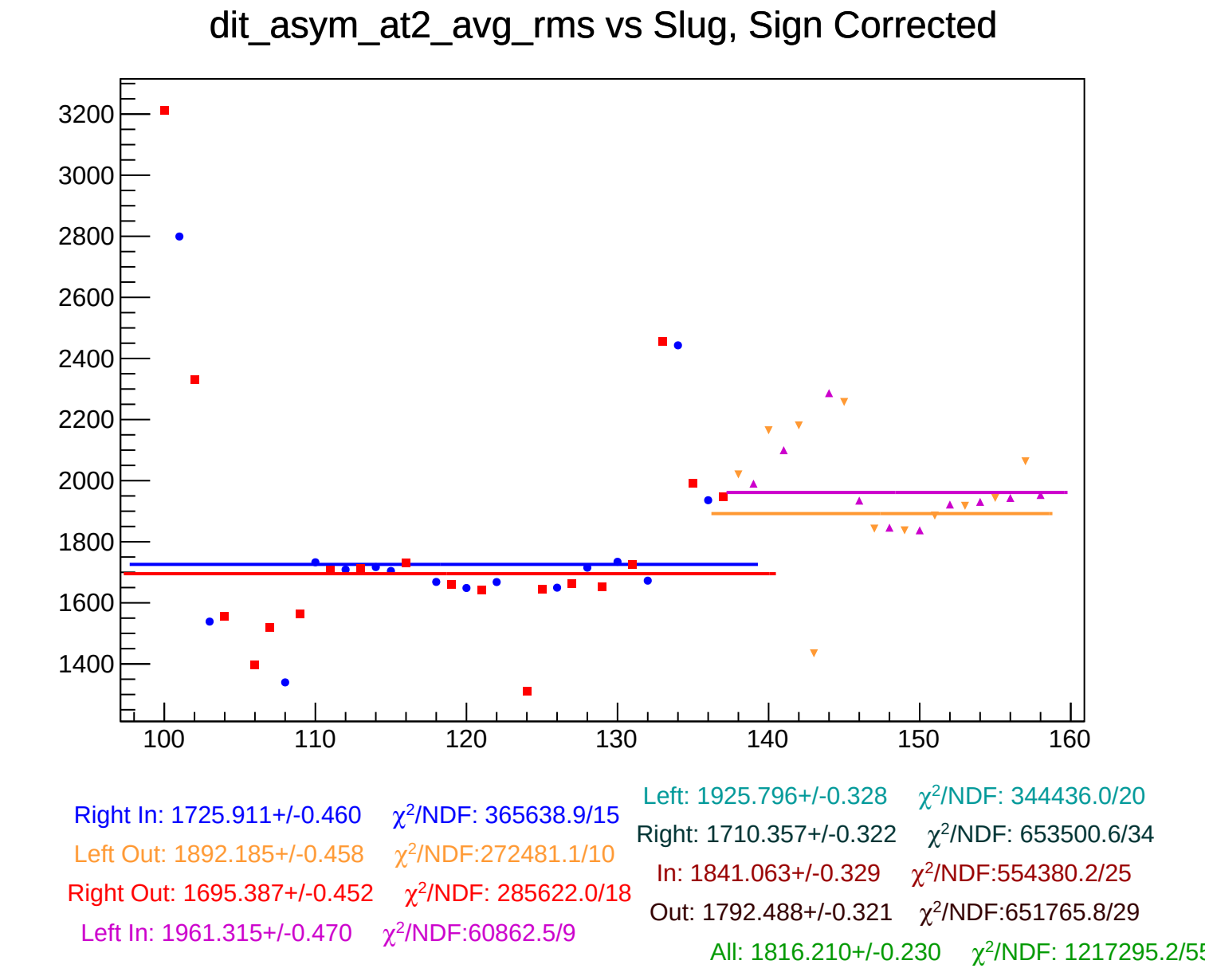
Left: 1724.872+/-463.957 χ^2/NDF: 34.1/20

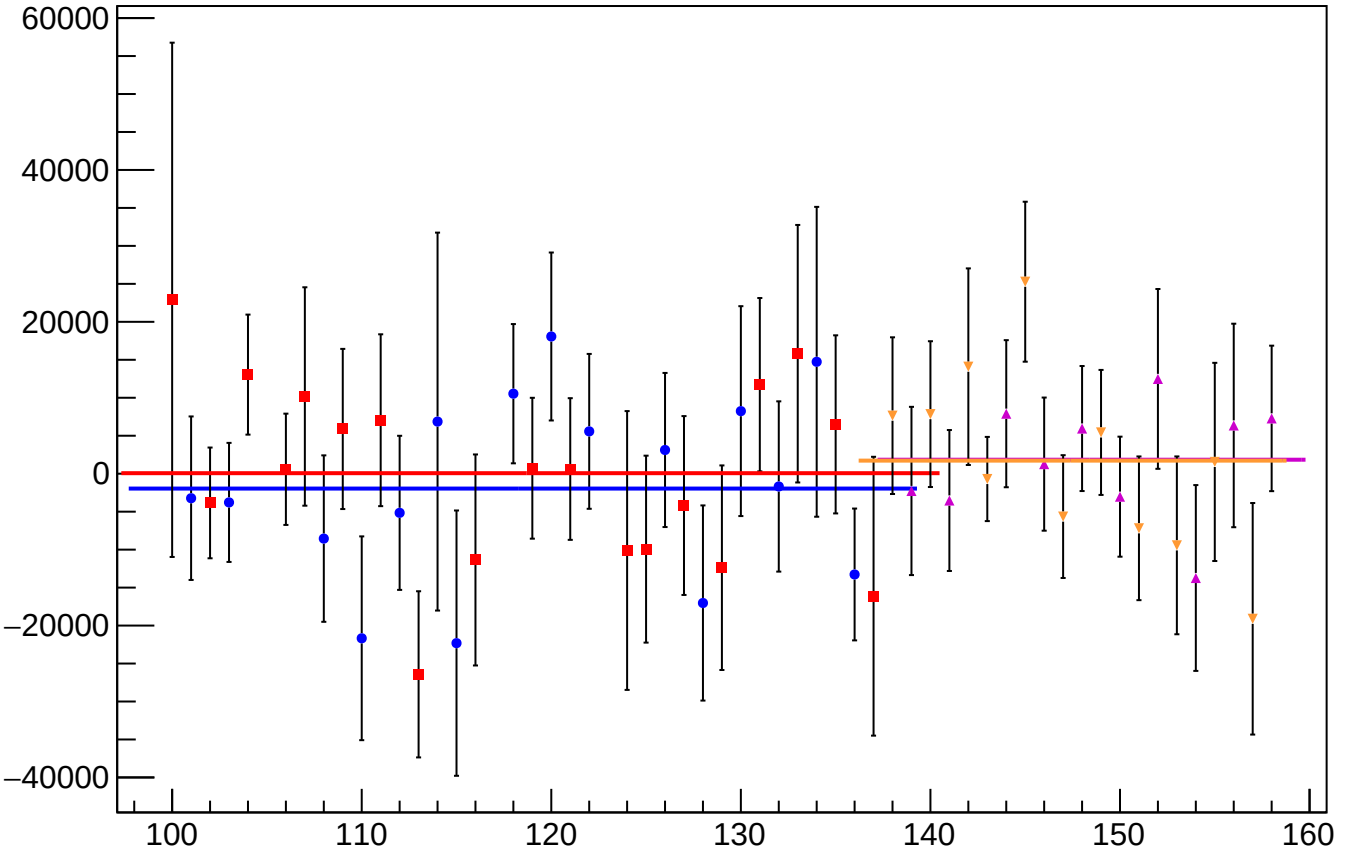
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3216.786+/-465.370 χ^2/NDF:12.6/25

Out: 1327.992+/-454.741 χ^2/NDF:37.5/29

All: 2250.574+/-325.243 χ^2/NDF: 58.5/55


dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
Right In: 1725.911+/-0.460 χ²/NDF: 365638.9/15
Left Out: 1892.185+/-0.458 χ²/NDF:272481.1/10
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.0/18
Left In: 1961.315+/-0.470 χ²/NDF:60862.5/9
Left: 1925.796+/-0.328 χ²/NDF: 344436.0/20
Right: 1710.357+/-0.322 χ²/NDF: 653500.6/34
In: 1841.063+/-0.329 χ²/NDF:554380.2/25
Out: 1792.488+/-0.321 χ²/NDF:651765.8/29
All: 1816.210+/-0.230 χ²/NDF: 1217295.2/55



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 1722.229+/-2812.103 χ^2/NDF:11.5/10

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 1841.841+/-3093.766 χ^2/NDF:4.4/9

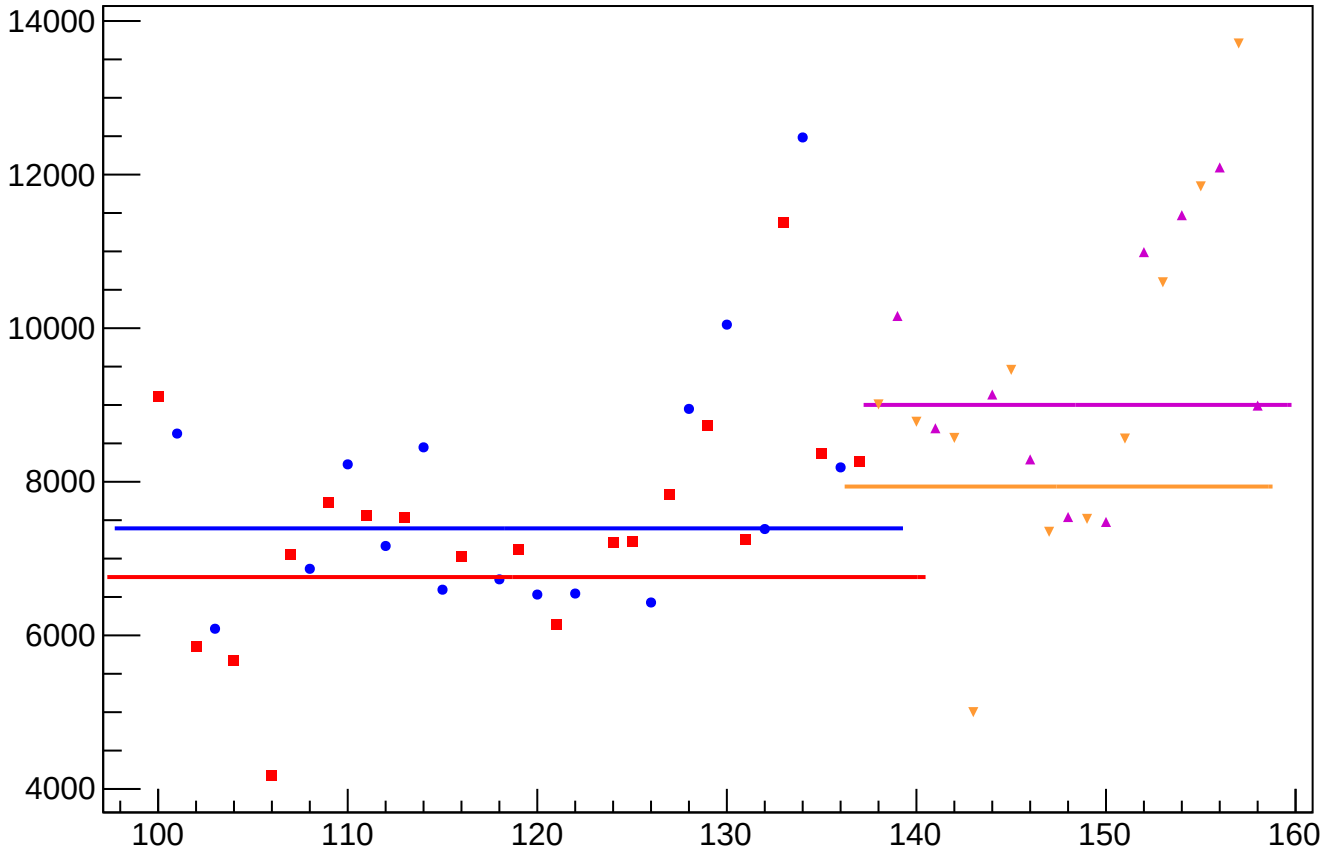
Left: 1776.343+/-2080.925 χ^2/NDF: 15.9/20

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -248.451+/-2075.317 χ^2/NDF:19.6/25

Out: 807.935+/-1880.636 χ^2/NDF:27.8/29

All: 331.603+/-1393.567 χ^2/NDF: 47.6/55



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7938.059+/-1.988 χ^2/NDF:1238467.6/10

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9001.177+/-2.188 χ^2/NDF:419254.5/9

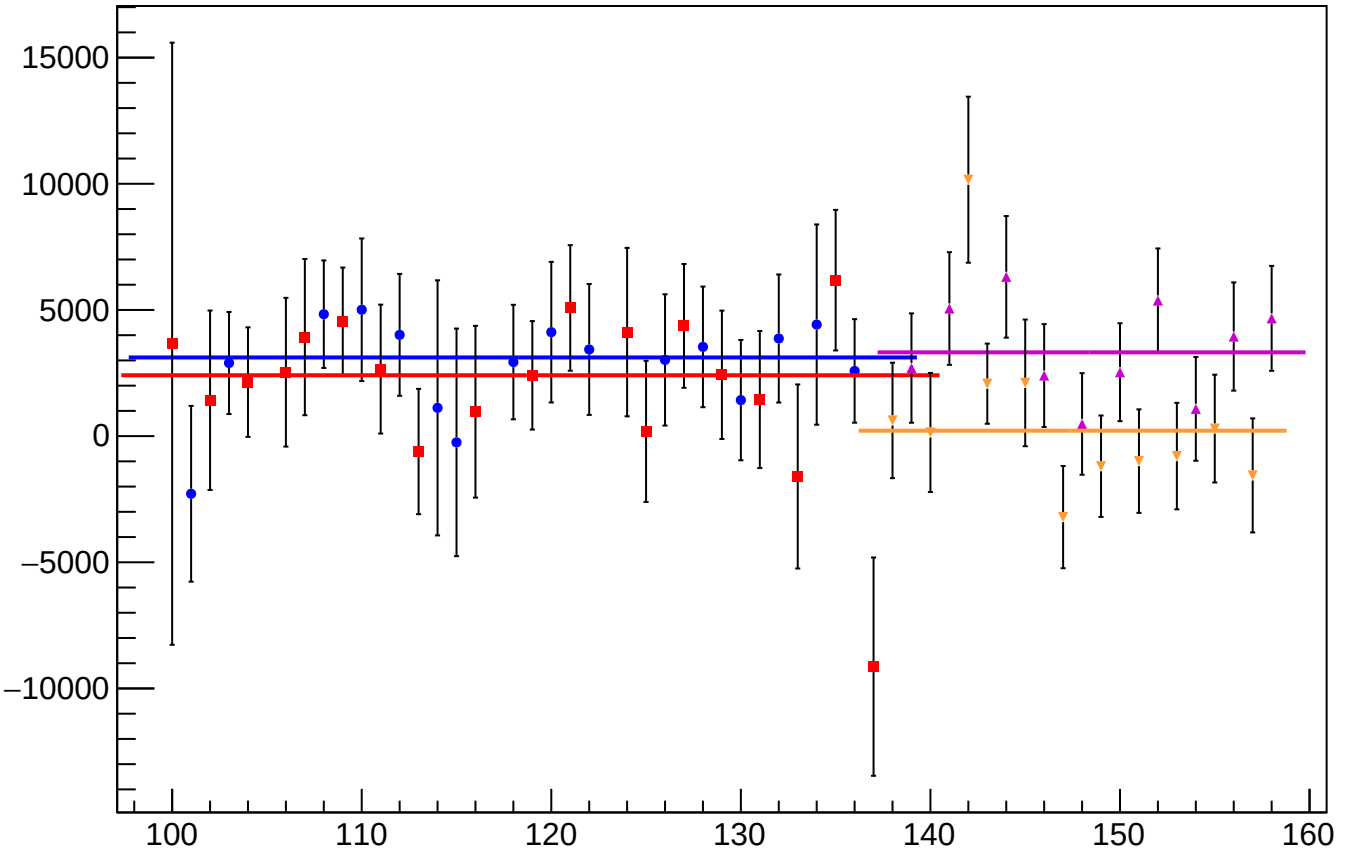
Left: 8419.031+/-1.471 χ^2/NDF: 1787043.0/20

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8116.991+/-1.467 χ^2/NDF:1118086.6/25

Out: 7286.567+/-1.330 χ^2/NDF:2076961.0/29

All: 7661.011+/-0.985 χ^2/NDF: 3370883.3/55



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 215.335+/-647.265 χ^2/NDF:15.7/10

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3320.073+/-665.379 χ^2/NDF:7.3/9

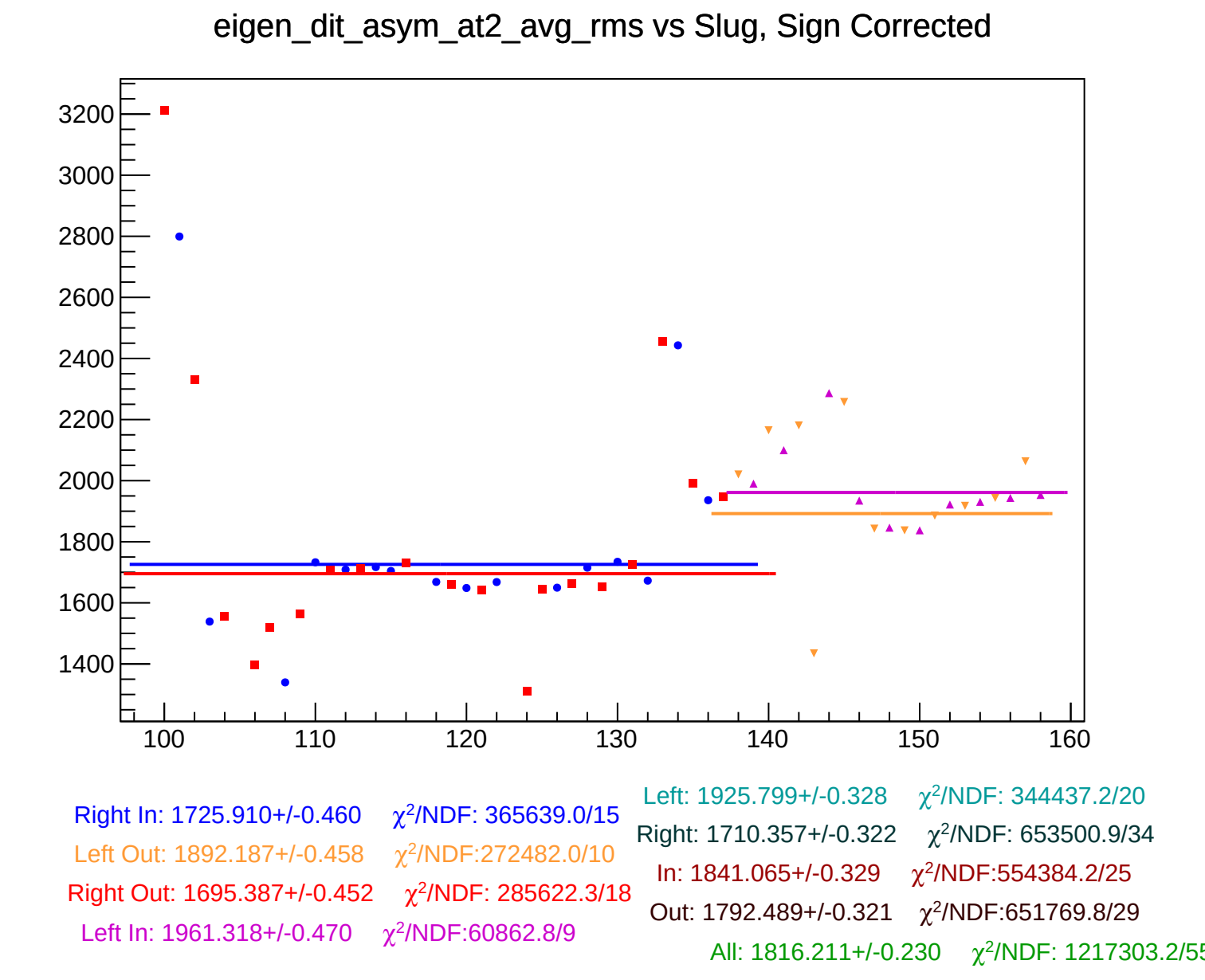
Left: 1724.869+/-463.957 χ^2/NDF: 34.1/20

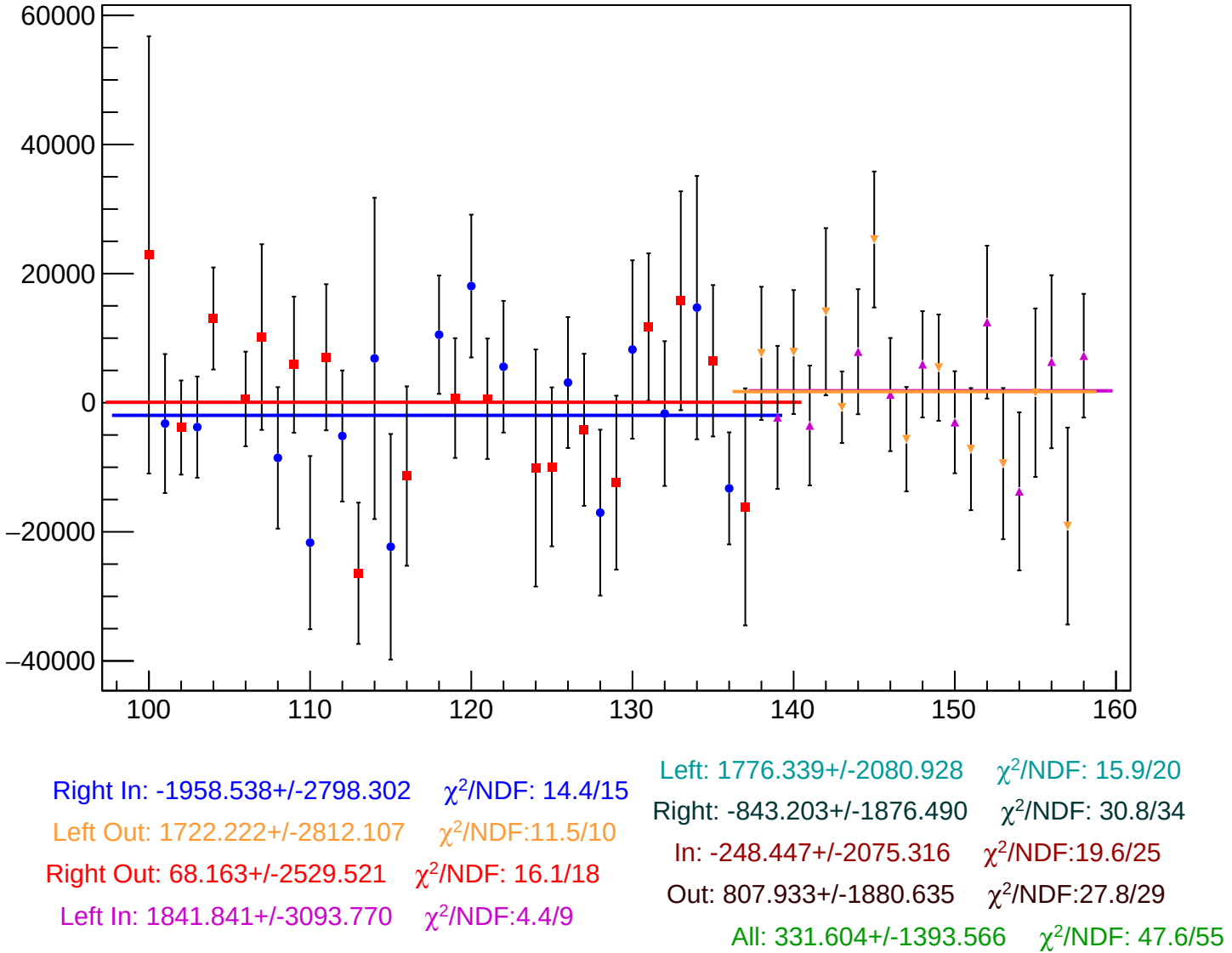
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

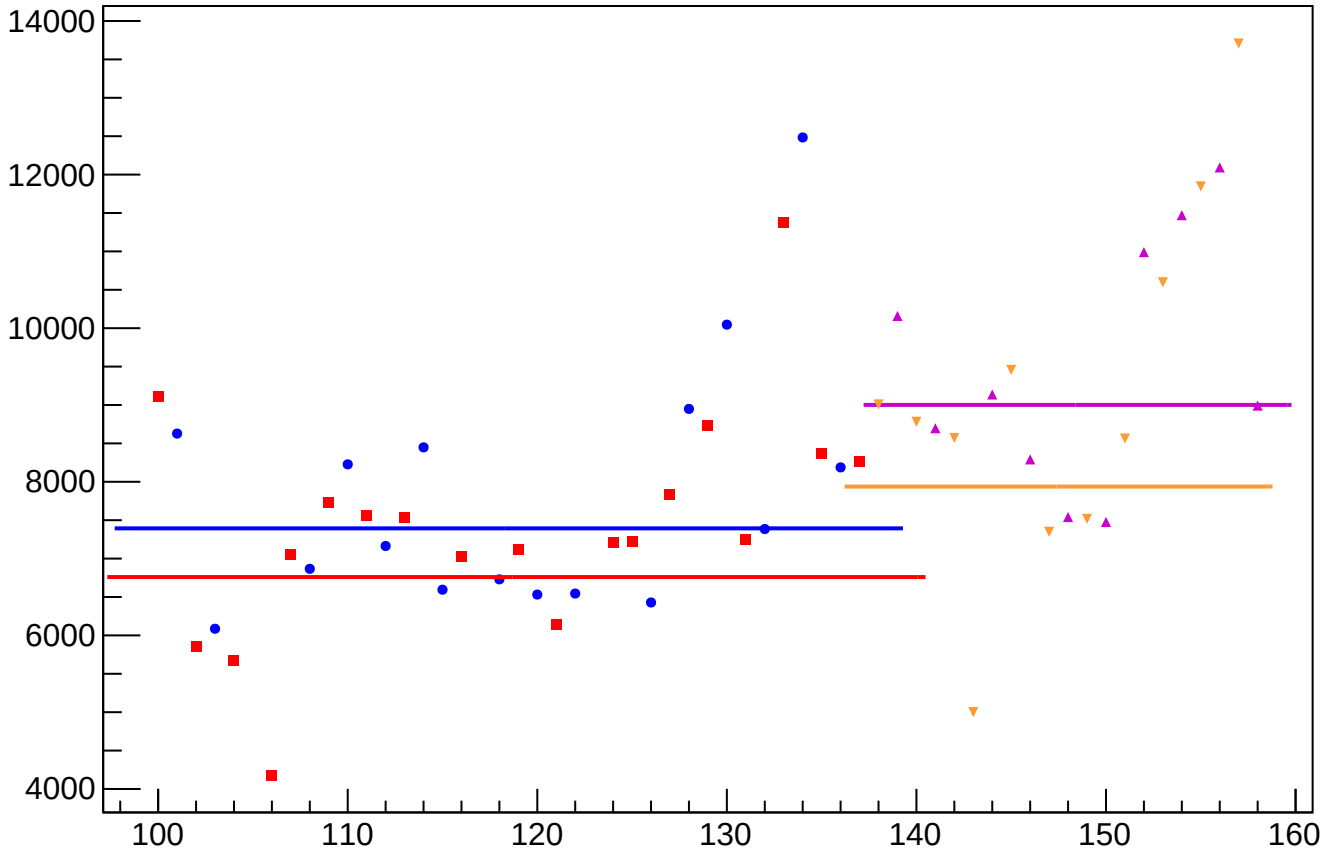
In: 3216.787+/-465.370 χ^2/NDF:12.6/25

Out: 1327.996+/-454.742 χ^2/NDF:37.5/29

All: 2250.577+/-325.244 χ^2/NDF: 58.5/55


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1892.187+/-0.458 χ²/NDF:272482.0/10
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1961.318+/-0.470 χ²/NDF:60862.8/9
Left: 1925.799+/-0.328 χ²/NDF: 344437.2/20
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1841.065+/-0.329 χ²/NDF:554384.2/25
Out: 1792.489+/-0.321 χ²/NDF:651769.8/29
All: 1816.211+/-0.230 χ²/NDF: 1217303.2/55


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: 1722.222+/-2812.107 χ²/NDF:11.5/10
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 1841.841+/-3093.770 χ²/NDF:4.4/9
Left: 1776.339+/-2080.928 χ²/NDF: 15.9/20
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -248.447+/-2075.316 χ²/NDF:19.6/25
Out: 807.933+/-1880.635 χ²/NDF:27.8/29
All: 331.604+/-1393.566 χ²/NDF: 47.6/55



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7938.070+/-1.988 χ^2/NDF:1238466.7/10

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9001.189+/-2.188 χ^2/NDF:419255.0/9

Left: 8419.042+/-1.471 χ^2/NDF: 1787042.3/20

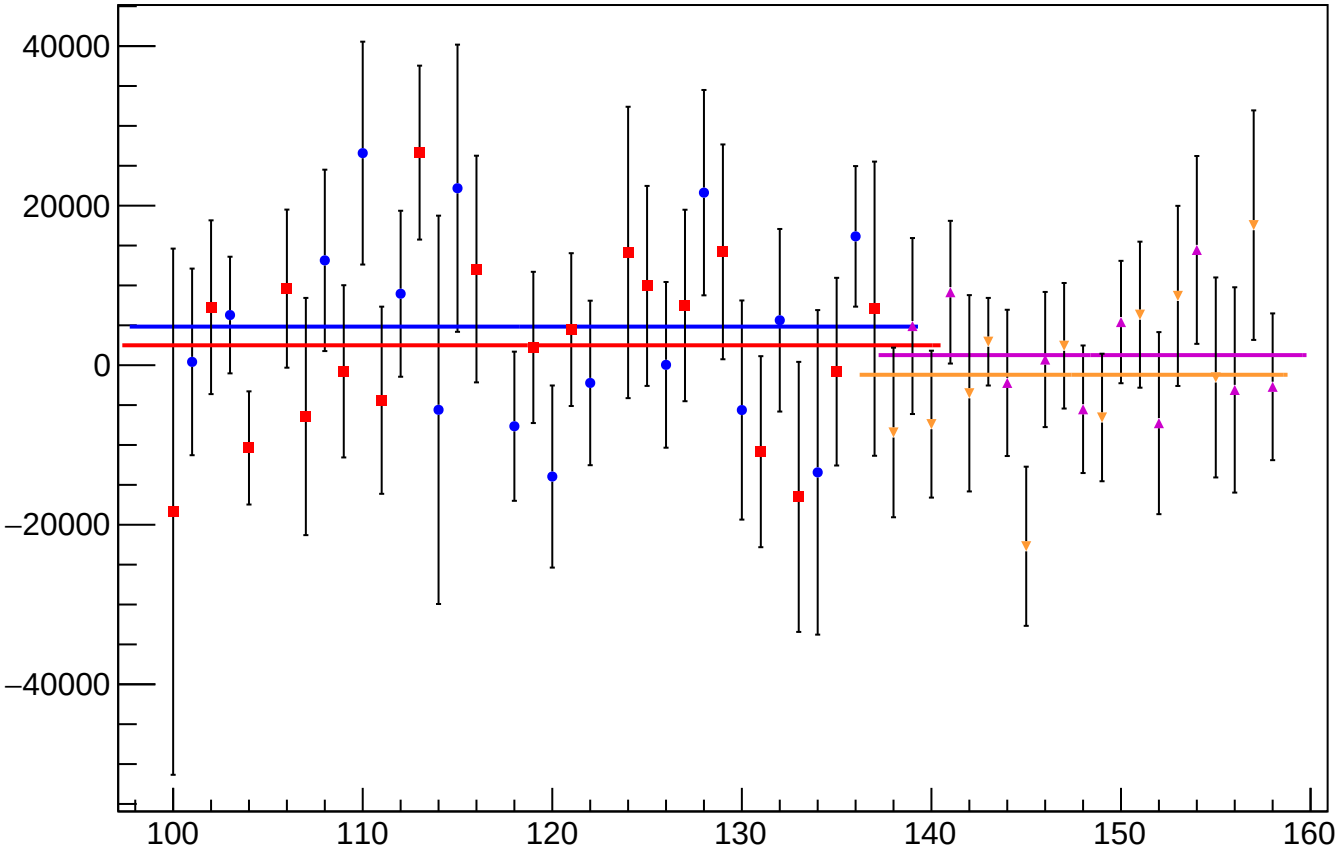
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8116.984+/-1.467 χ^2/NDF:1118100.3/25

Out: 7286.562+/-1.330 χ^2/NDF:2076967.5/29

All: 7661.005+/-0.985 χ^2/NDF: 3370902.8/55

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1199.704+/-2739.498 χ^2/NDF:10.0/10

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 1264.804+/-2988.830 χ^2/NDF:4.2/9

Left: -74.518+/-2019.521 χ^2/NDF: 14.5/20

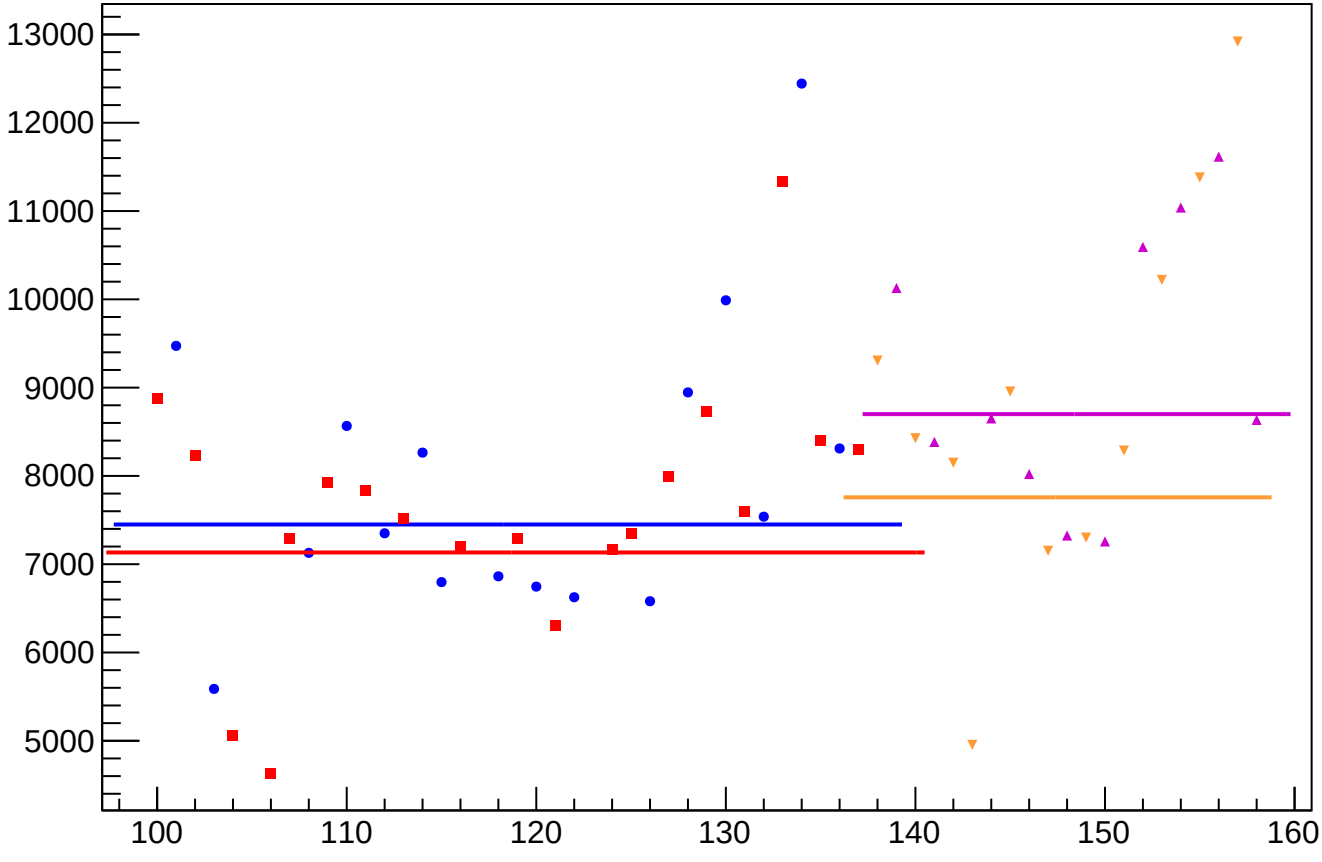
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3149.450+/-2054.554 χ^2/NDF:19.2/25

Out: 677.964+/-1921.384 χ^2/NDF:25.8/29

All: 1831.019+/-1403.343 χ^2/NDF: 45.8/55

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7757.281+/-1.937 χ^2/NDF:1150156.9/10

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8700.020+/-2.113 χ^2/NDF:415619.2/9

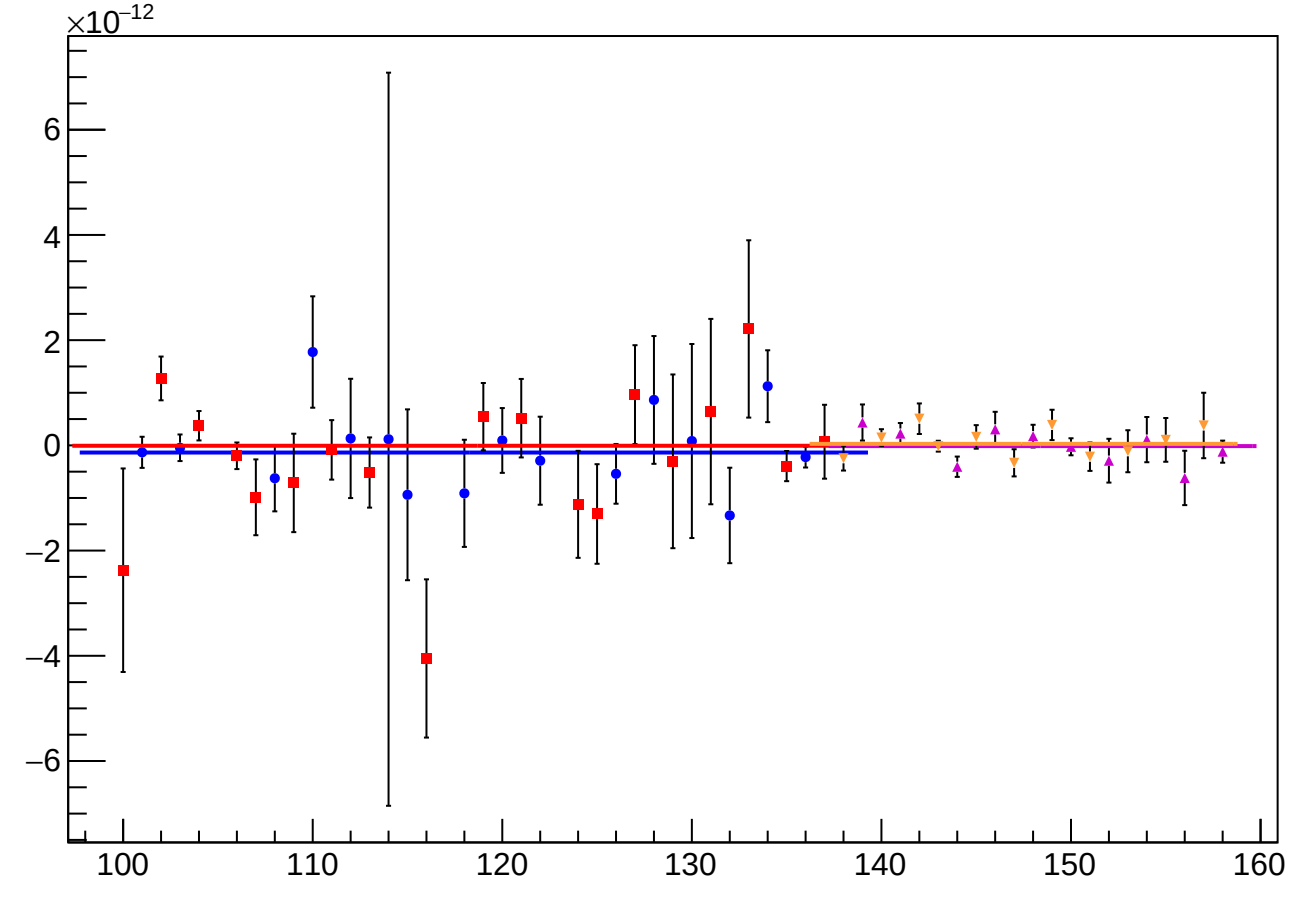
Left: 8187.694+/-1.428 χ^2/NDF: 1673910.9/20

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8040.664+/-1.453 χ^2/NDF:1086578.3/25

Out: 7440.127+/-1.359 χ^2/NDF:1759904.2/29

All: 7720.294+/-0.992 χ^2/NDF: 2937639.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/9

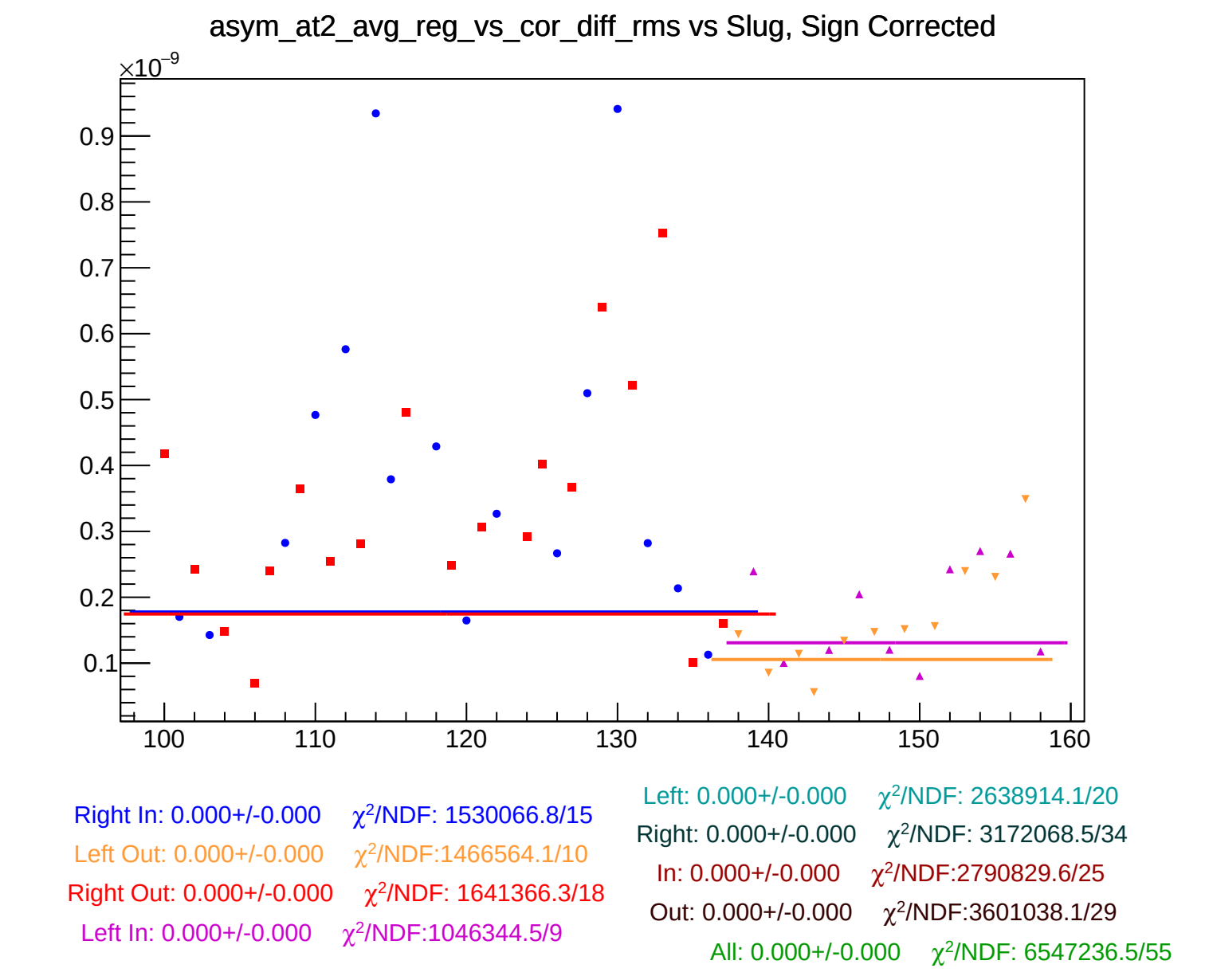
Left: 0.000+/-0.000 χ^2/NDF: 21.2/20

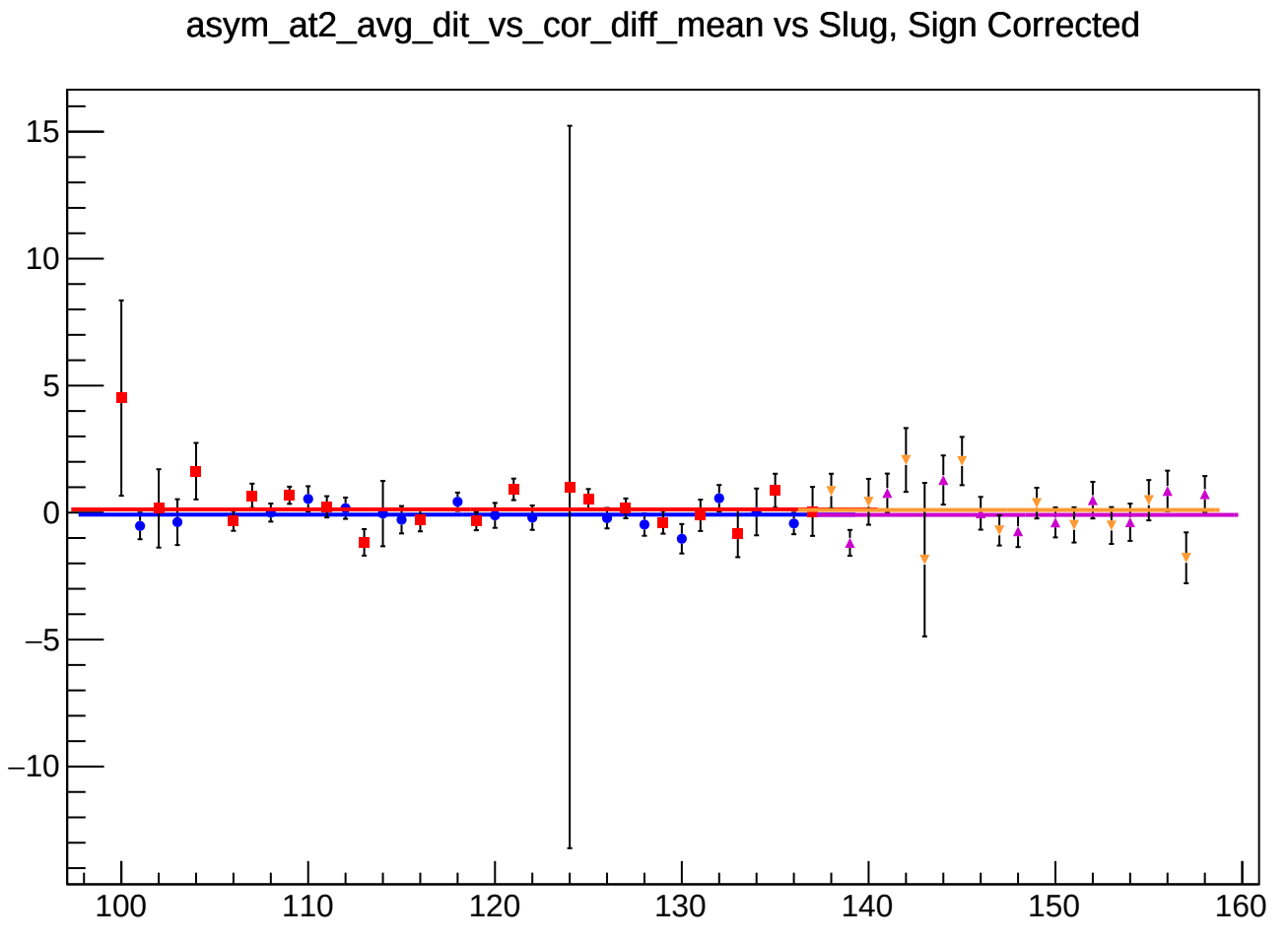
Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:23.4/25

Out: 0.000+/-0.000 χ^2/NDF:42.8/29

All: -0.000+/-0.000 χ^2/NDF: 66.8/55


asym_at2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1466564.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:1046344.5/9
Left: 0.000+/-0.000 χ²/NDF: 2638914.1/20
Right: 0.000+/-0.000 χ²/NDF: 3172068.5/34
In: 0.000+/-0.000 χ²/NDF:2790829.6/25
Out: 0.000+/-0.000 χ²/NDF:3601038.1/29
All: 0.000+/-0.000 χ²/NDF: 6547236.5/55



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.090+/-0.214 χ^2/NDF:12.8/9

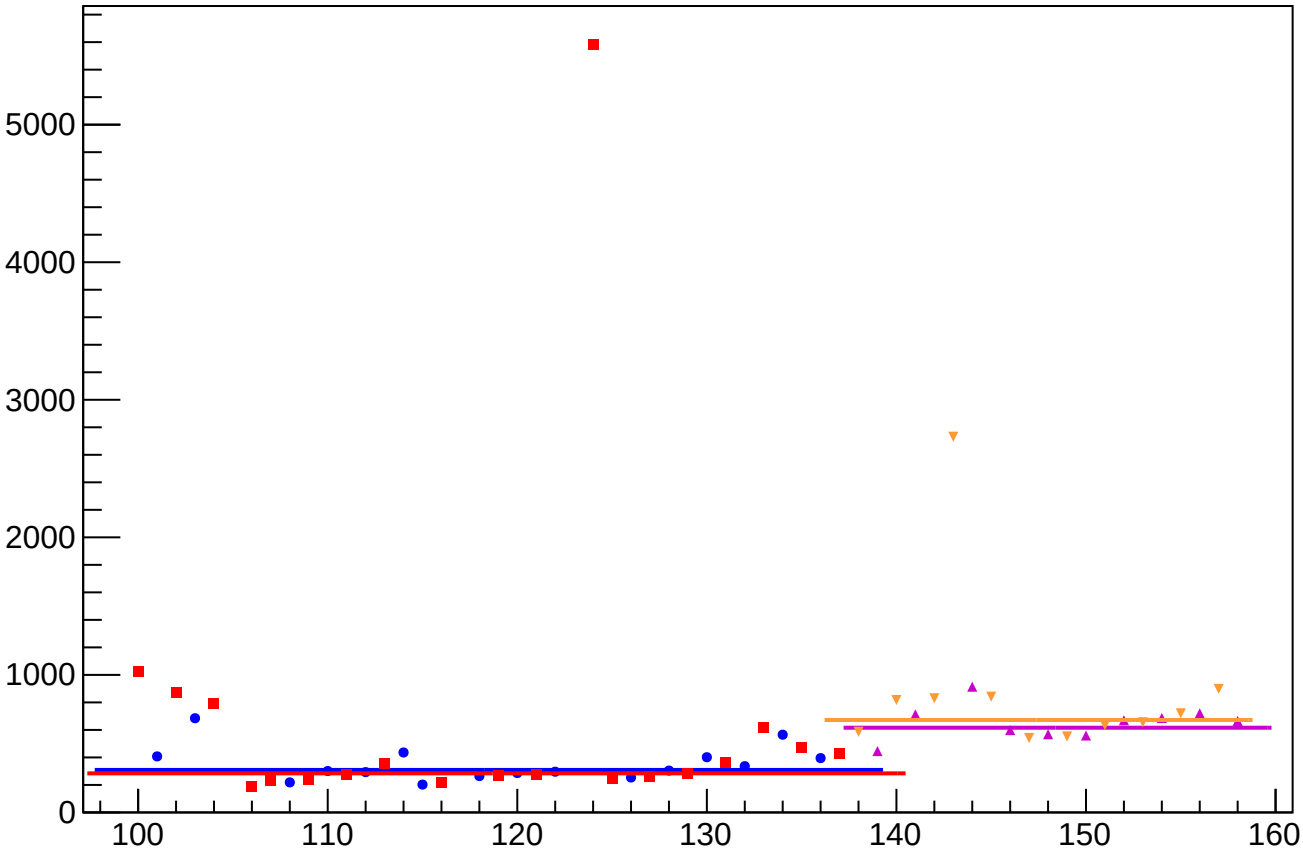
Left: -0.005+/-0.160 χ^2/NDF: 28.8/20

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.082+/-0.106 χ^2/NDF:23.6/25

Out: 0.123+/-0.105 χ^2/NDF:40.8/29

All: 0.021+/-0.075 χ^2/NDF: 66.3/55



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 672.329+/-0.170 χ^2/NDF:1396892.7/10

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 615.985+/-0.151 χ^2/NDF:551639.9/9

Left: 640.928+/-0.113 χ^2/NDF: 2009895.1/20

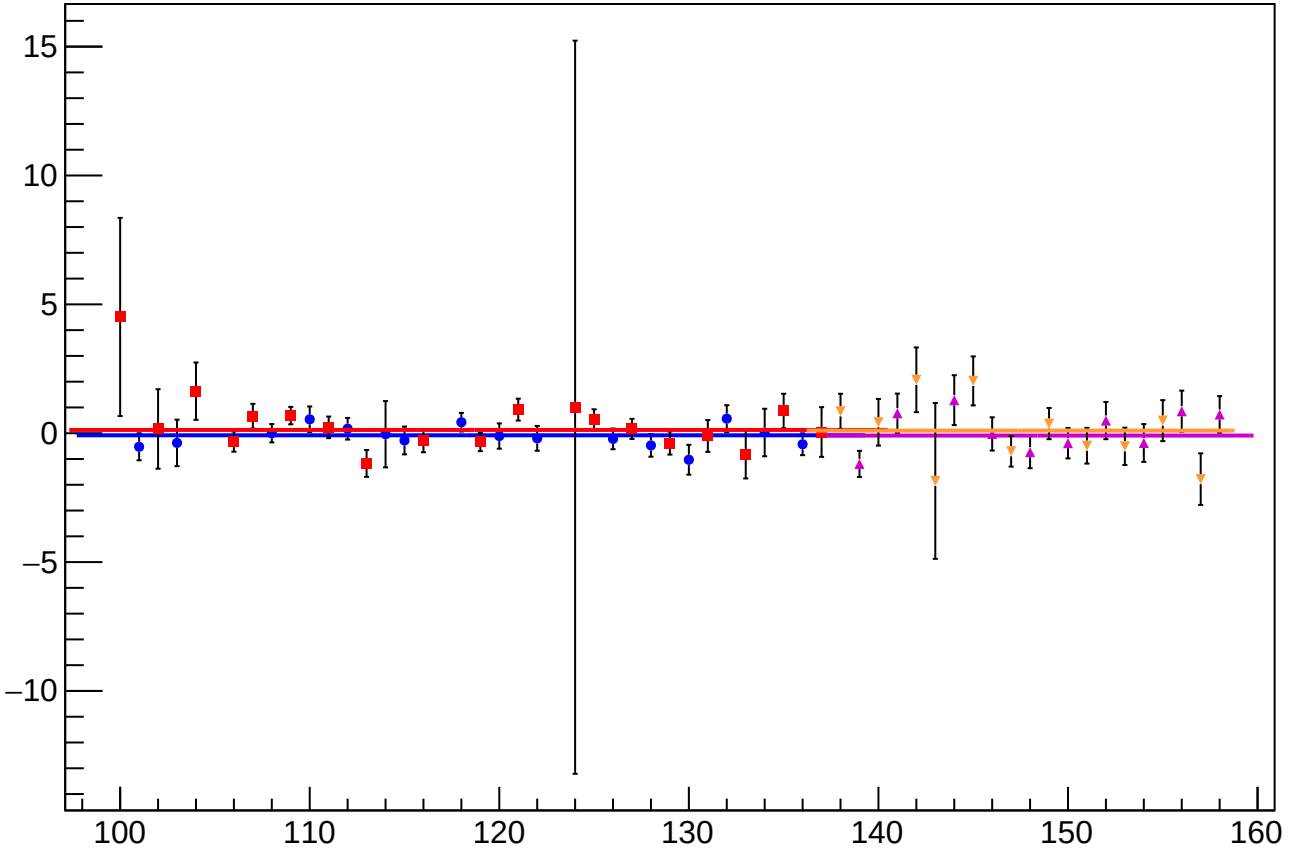
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 384.234+/-0.075 χ^2/NDF:4671684.0/25

Out: 358.558+/-0.074 χ^2/NDF:7477165.6/29

All: 371.300+/-0.053 χ^2/NDF: 12208068.3/55

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.090+/-0.214 χ^2/NDF:12.8/9

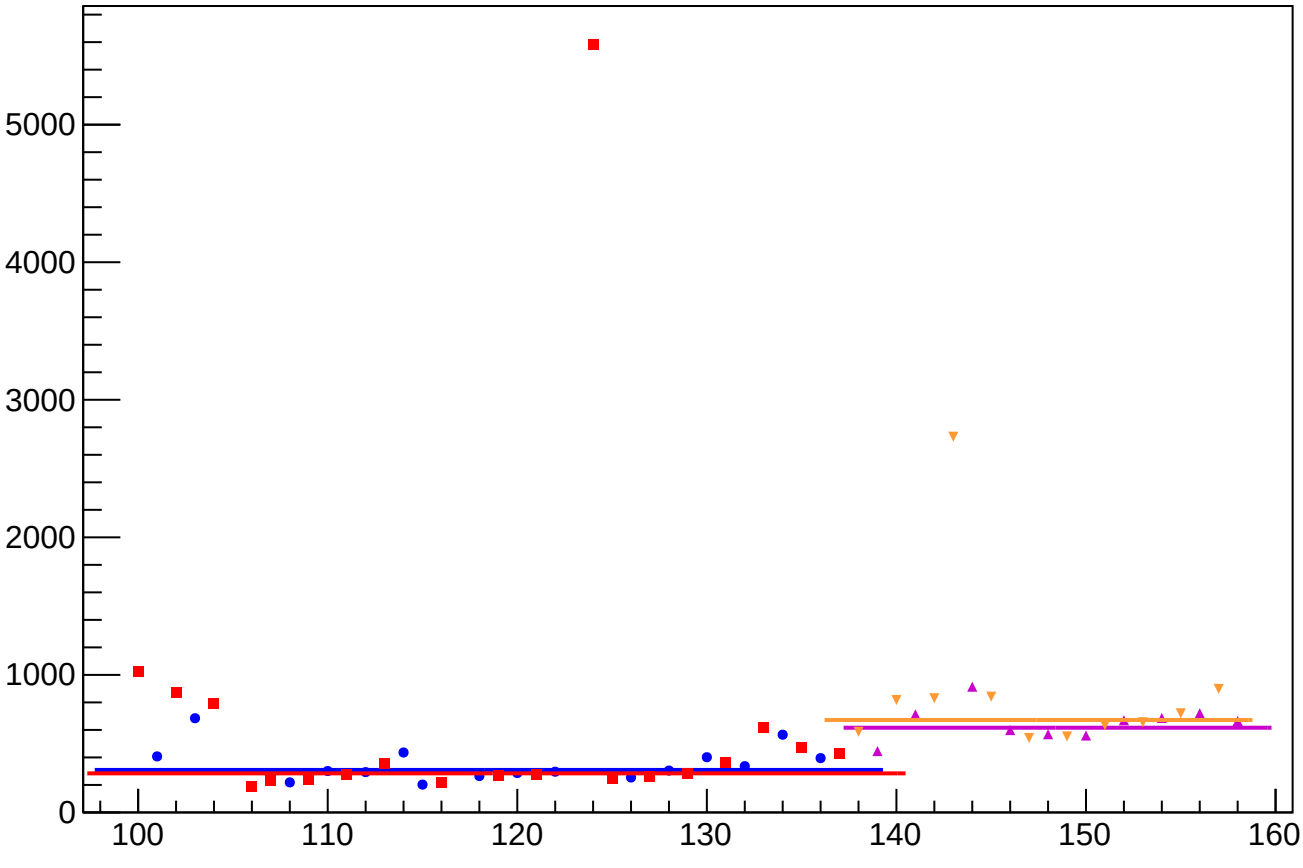
Left: -0.005+/-0.160 χ^2/NDF: 28.8/20

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.082+/-0.106 χ^2/NDF:23.6/25

Out: 0.123+/-0.105 χ^2/NDF:40.8/29

All: 0.021+/-0.075 χ^2/NDF: 66.3/55



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 672.329+/-0.170 χ^2/NDF:1396892.7/10

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 615.985+/-0.151 χ^2/NDF:551639.9/9

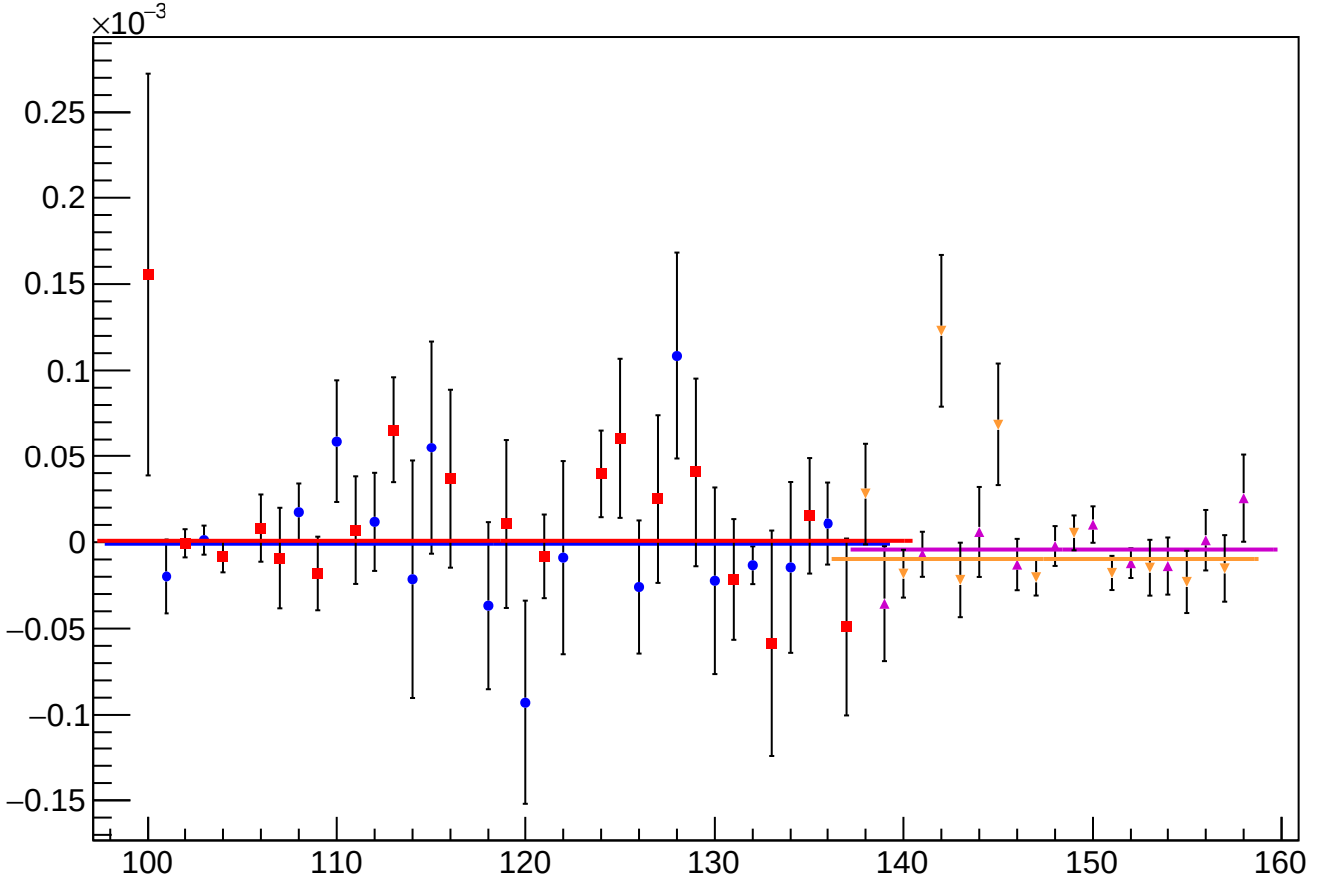
Left: 640.928+/-0.113 χ^2/NDF: 2009895.1/20

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 384.234+/-0.075 χ^2/NDF:4671684.0/25

Out: 358.558+/-0.074 χ^2/NDF:7477165.6/29

All: 371.300+/-0.053 χ^2/NDF: 12208068.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/9

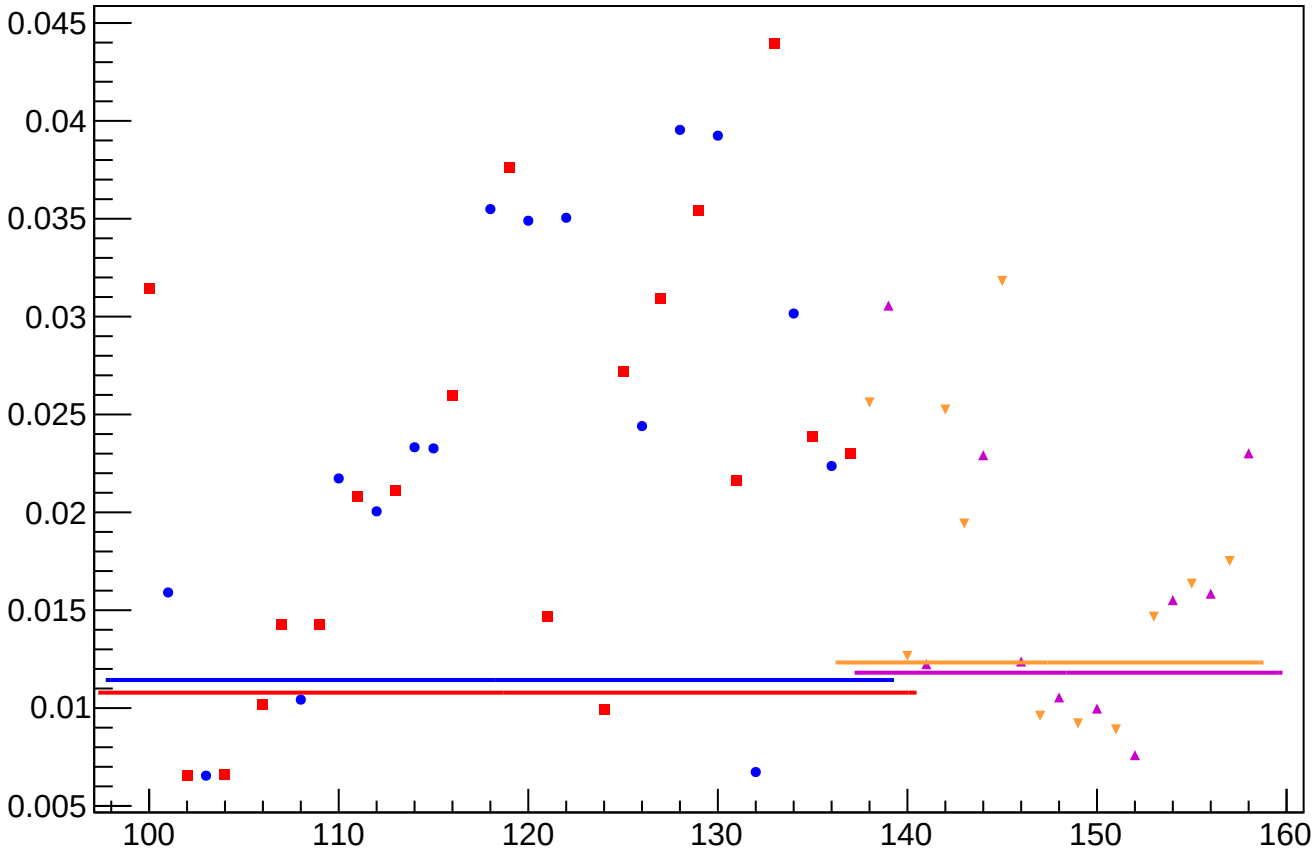
Left: -0.000+/-0.000 χ^2/NDF: 27.7/20

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:20.7/25

Out: -0.000+/-0.000 χ^2/NDF:39.6/29

All: -0.000+/-0.000 χ^2/NDF: 60.5/55



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:2251409.1/10

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:2169314.8/9

Left: 0.012+/-0.000 χ^2/NDF: 4434236.4/20

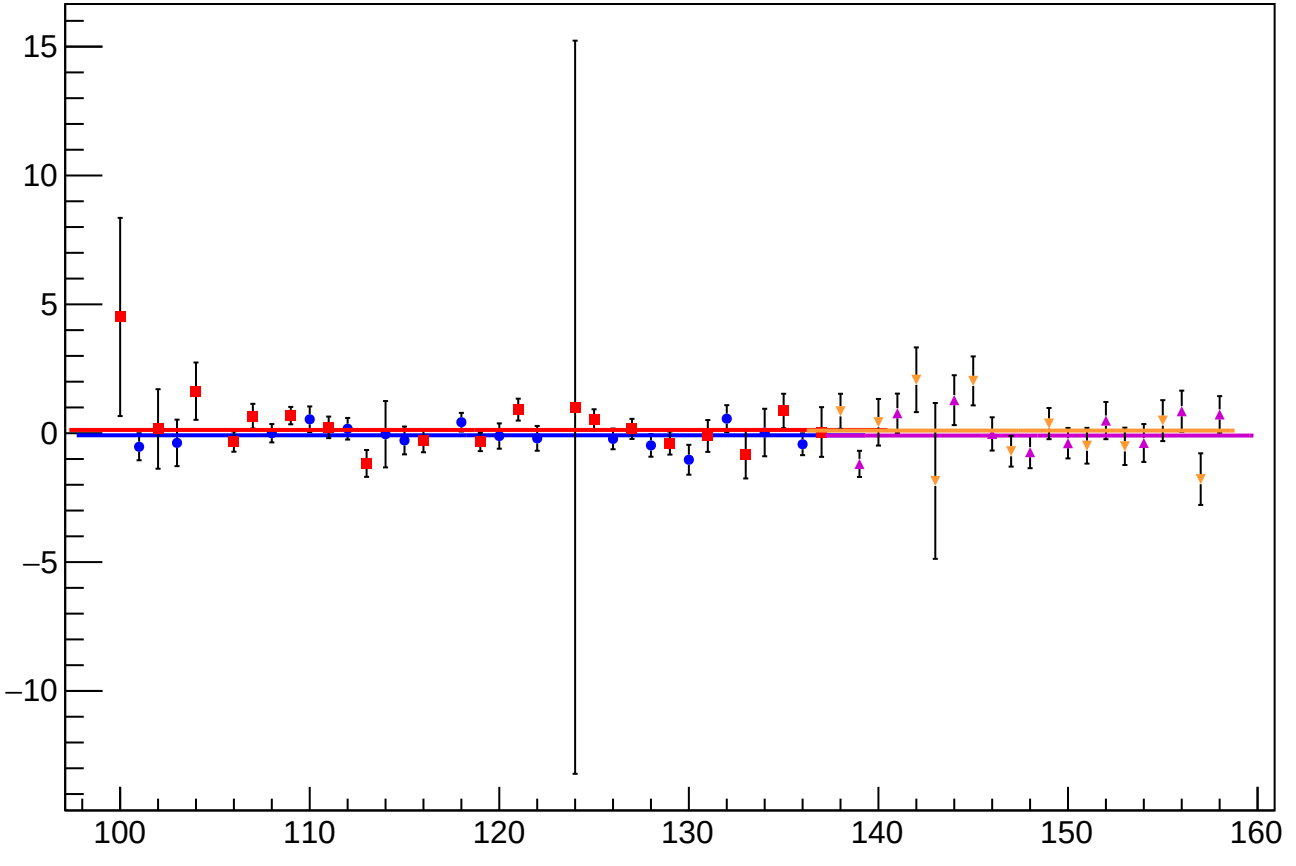
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:6875089.4/25

Out: 0.012+/-0.000 χ^2/NDF:6832653.8/29

All: 0.012+/-0.000 χ^2/NDF: 13707944.6/55

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.090+/-0.214 χ^2/NDF:12.8/9

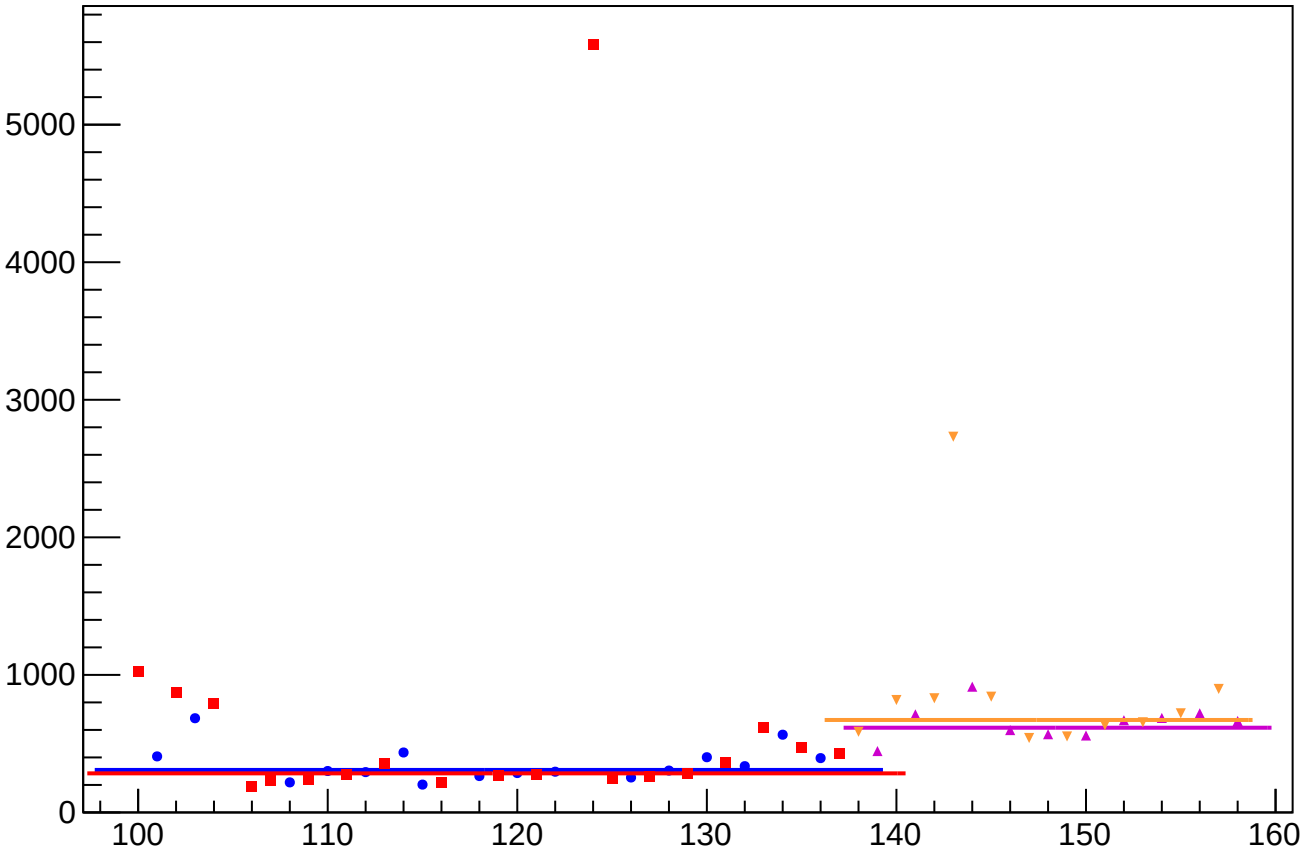
Left: -0.005+/-0.160 χ^2/NDF: 28.8/20

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.083+/-0.106 χ^2/NDF:23.6/25

Out: 0.123+/-0.105 χ^2/NDF:40.8/29

All: 0.021+/-0.075 χ^2/NDF: 66.3/55



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 672.337+/-0.170 χ^2/NDF:1396896.2/10

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 615.994+/-0.151 χ^2/NDF:551623.2/9

Left: 640.936+/-0.113 χ^2/NDF: 2009877.1/20

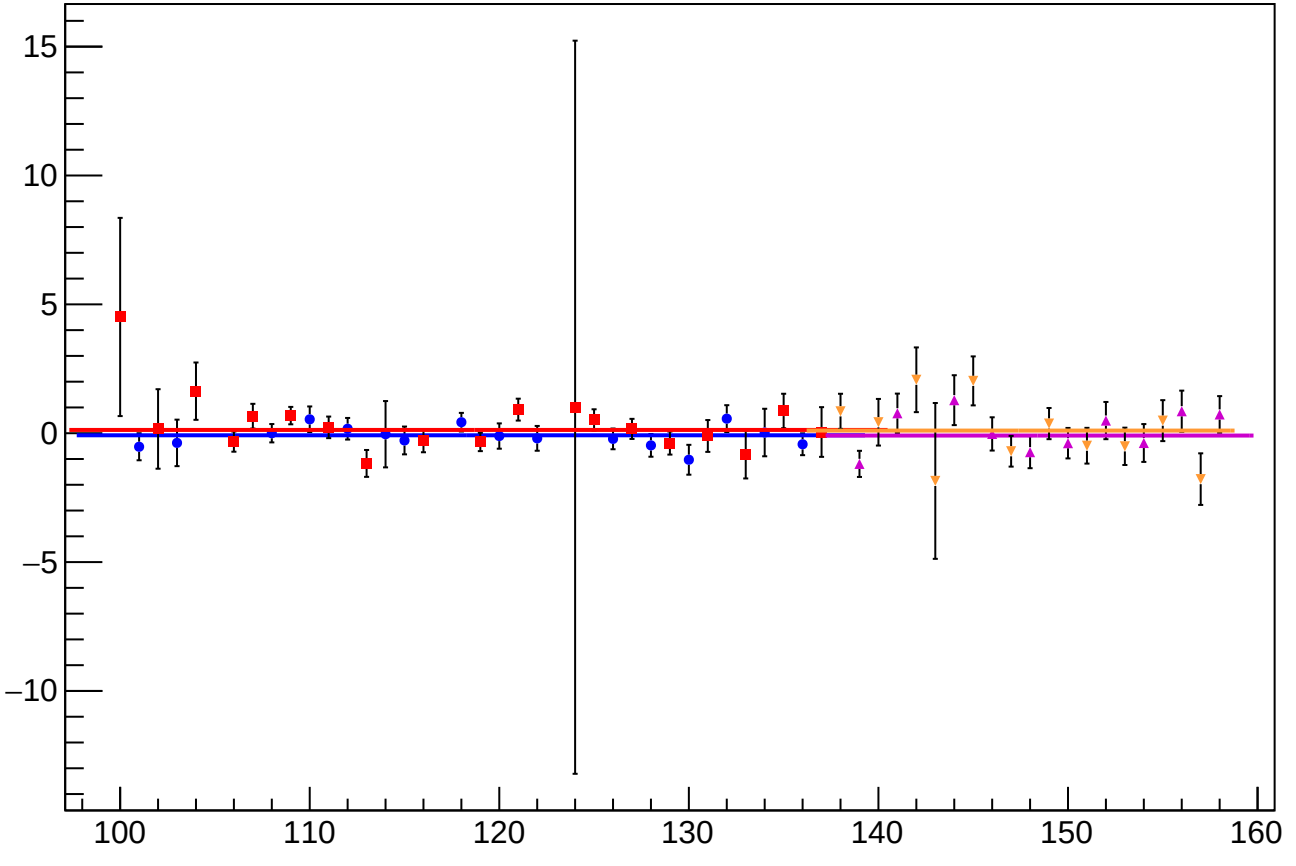
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 384.233+/-0.075 χ^2/NDF:4671768.5/25

Out: 358.557+/-0.074 χ^2/NDF:7477256.3/29

All: 371.300+/-0.053 χ^2/NDF: 12208245.4/55

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: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.090+/-0.214 χ^2/NDF:12.8/9

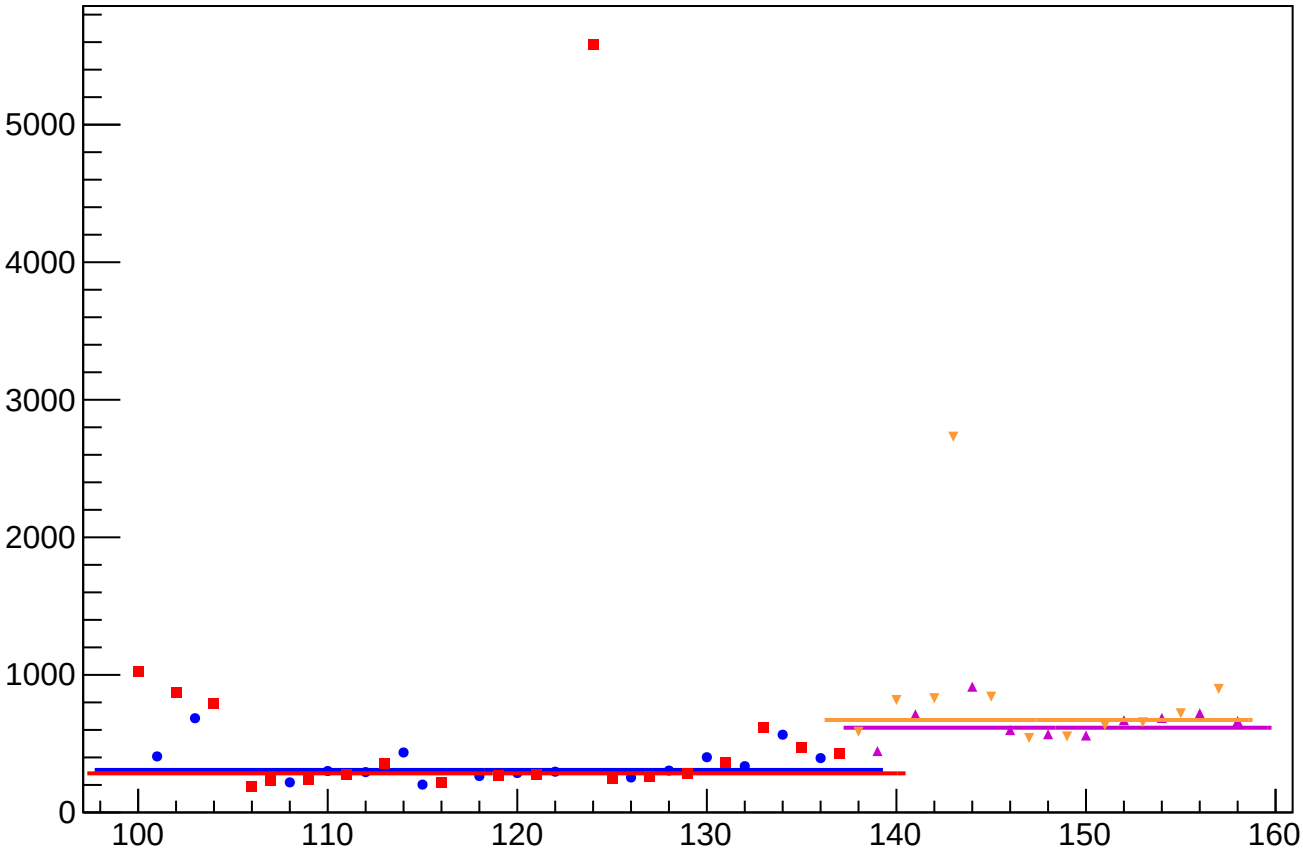
Left: -0.005+/-0.160 χ^2/NDF: 28.8/20

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.083+/-0.106 χ^2/NDF:23.6/25

Out: 0.123+/-0.105 χ^2/NDF:40.8/29

All: 0.021+/-0.075 χ^2/NDF: 66.3/55



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 672.337+/-0.170 χ^2/NDF:1396896.2/10

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 615.994+/-0.151 χ^2/NDF:551623.2/9

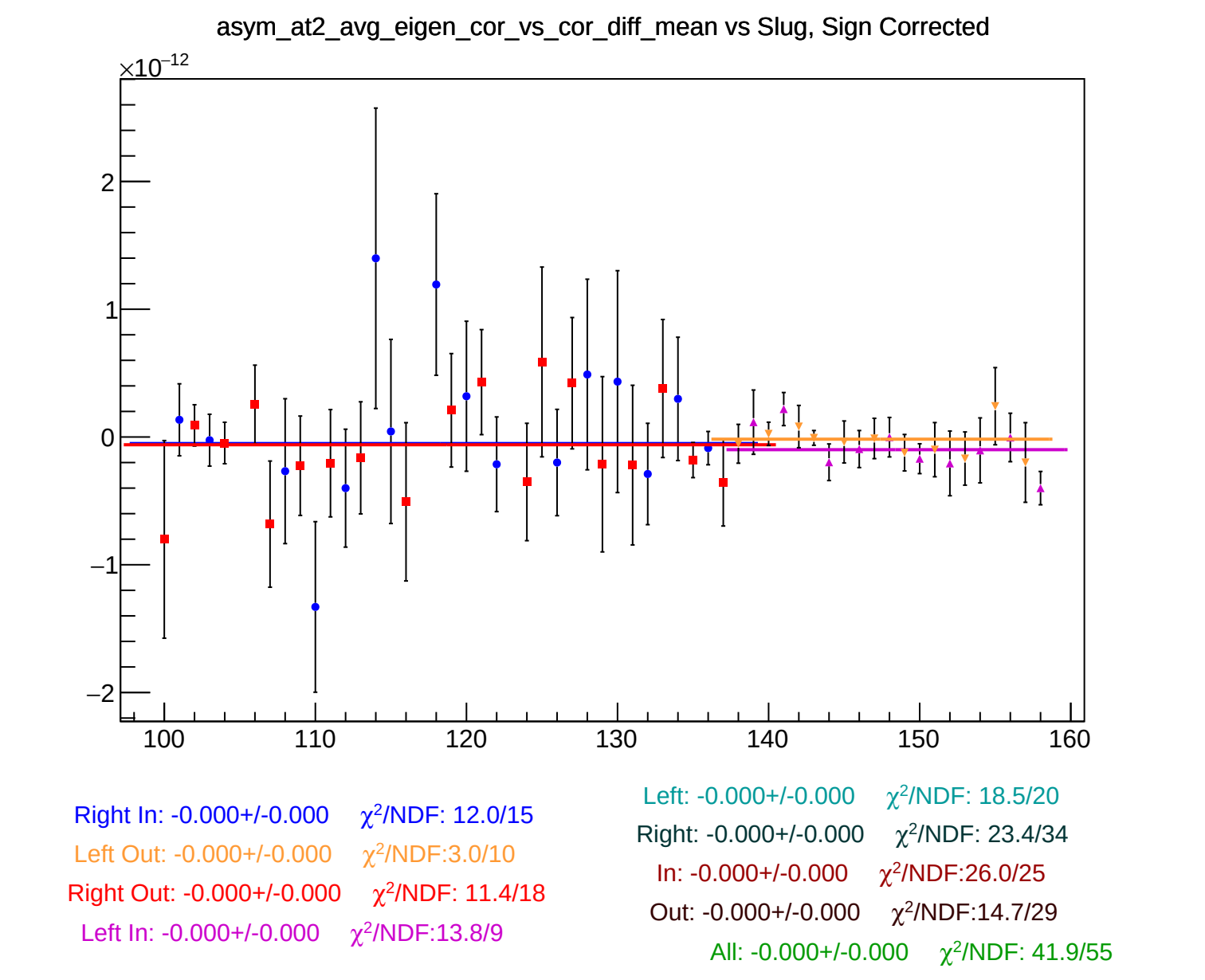
Left: 640.936+/-0.113 χ^2/NDF: 2009877.1/20

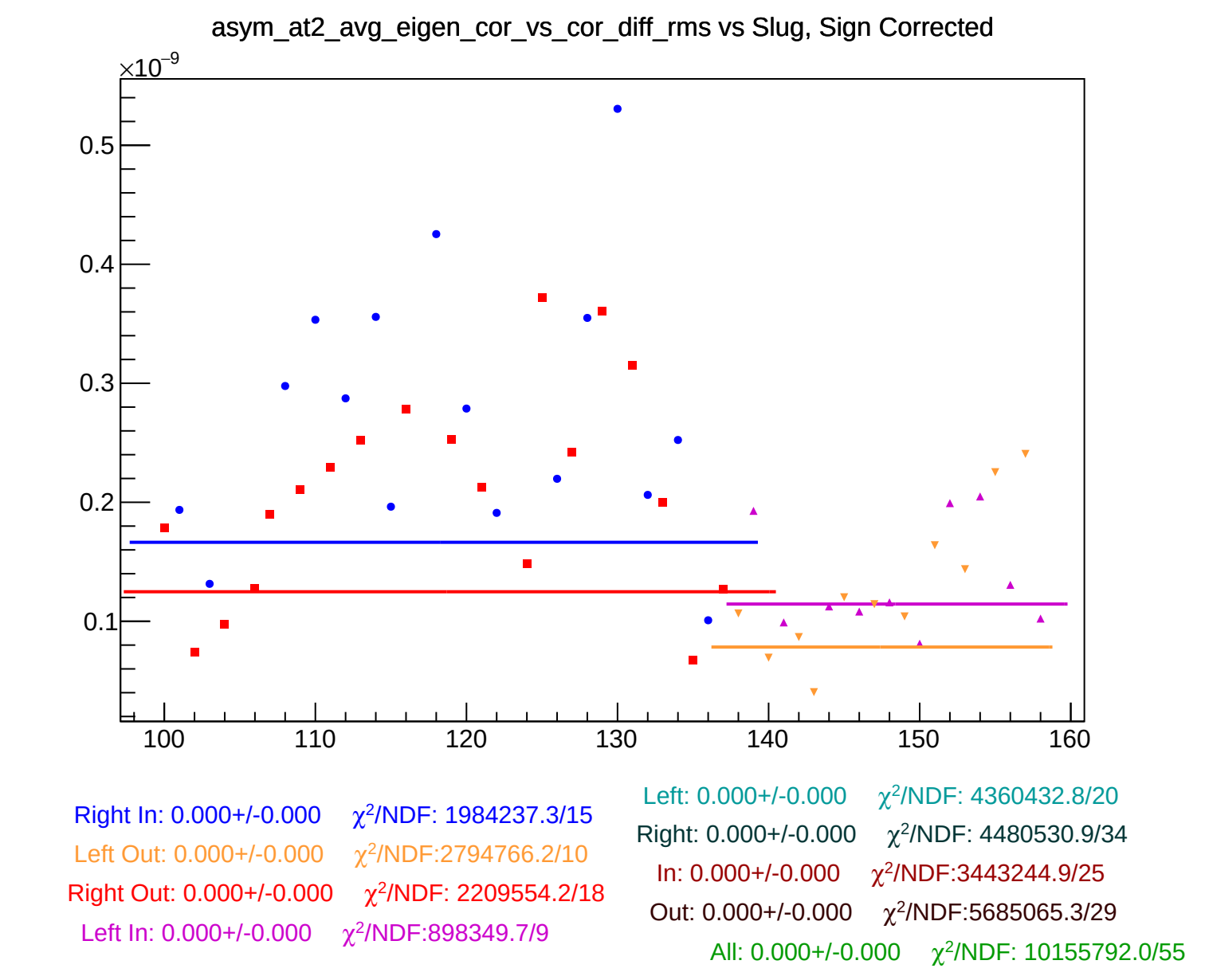
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 384.233+/-0.075 χ^2/NDF:4671768.5/25

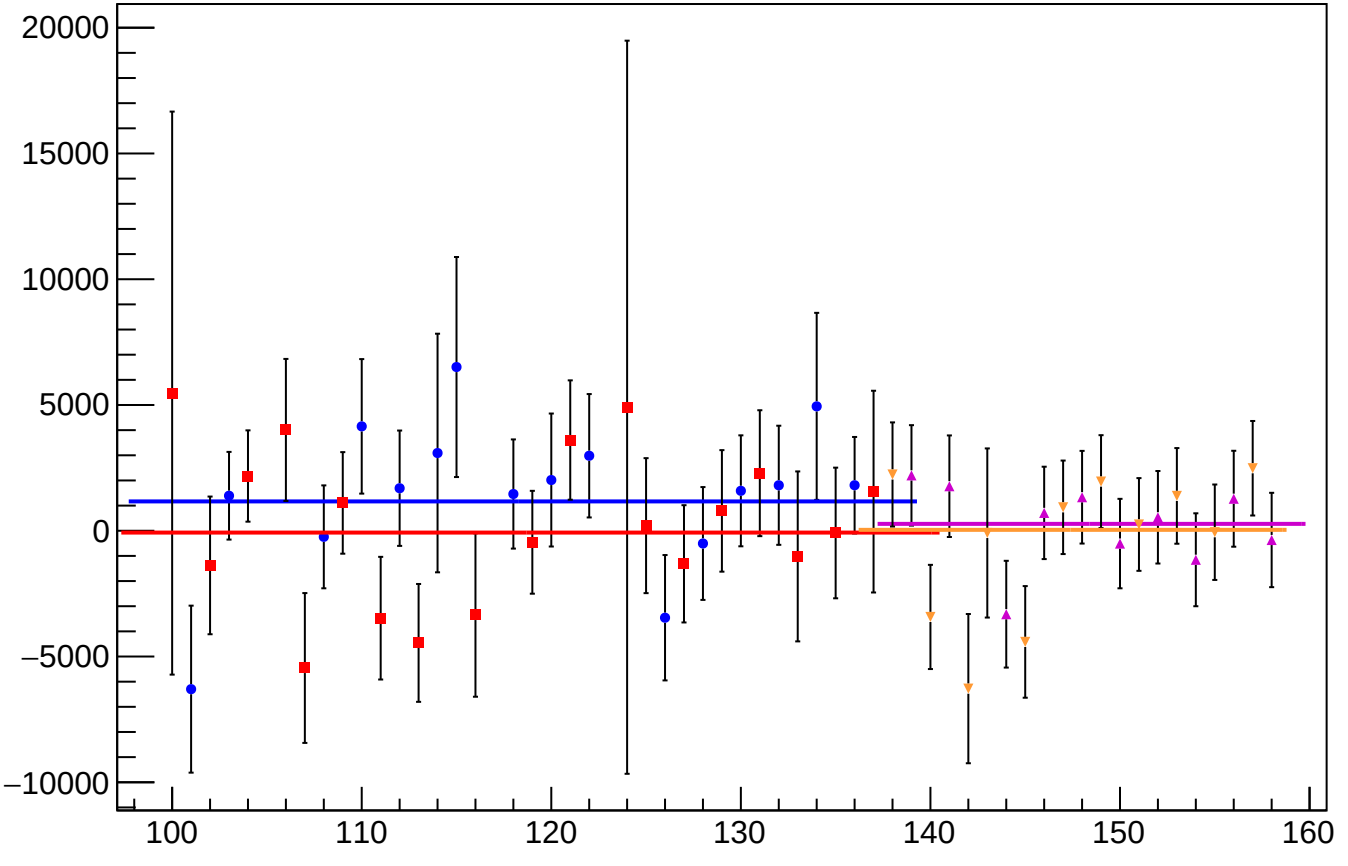
Out: 358.557+/-0.074 χ^2/NDF:7477256.3/29

All: 371.300+/-0.053 χ^2/NDF: 12208245.4/55


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.0/10
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:13.8/9
Left: -0.000+/-0.000 χ²/NDF: 18.5/20
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:26.0/25
Out: -0.000+/-0.000 χ²/NDF:14.7/29
All: -0.000+/-0.000 χ²/NDF: 41.9/55


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2794766.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:898349.7/9
Left: 0.000+/-0.000 χ²/NDF: 4360432.8/20
Right: 0.000+/-0.000 χ²/NDF: 4480530.9/34
In: 0.000+/-0.000 χ²/NDF:3443244.9/25
Out: 0.000+/-0.000 χ²/NDF:5685065.3/29
All: 0.000+/-0.000 χ²/NDF: 10155792.0/55

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 36.188+/-621.767 χ^2/NDF:16.0/10

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 273.872+/-600.440 χ^2/NDF:5.9/9

Left: 159.176+/-431.918 χ^2/NDF: 22.0/20

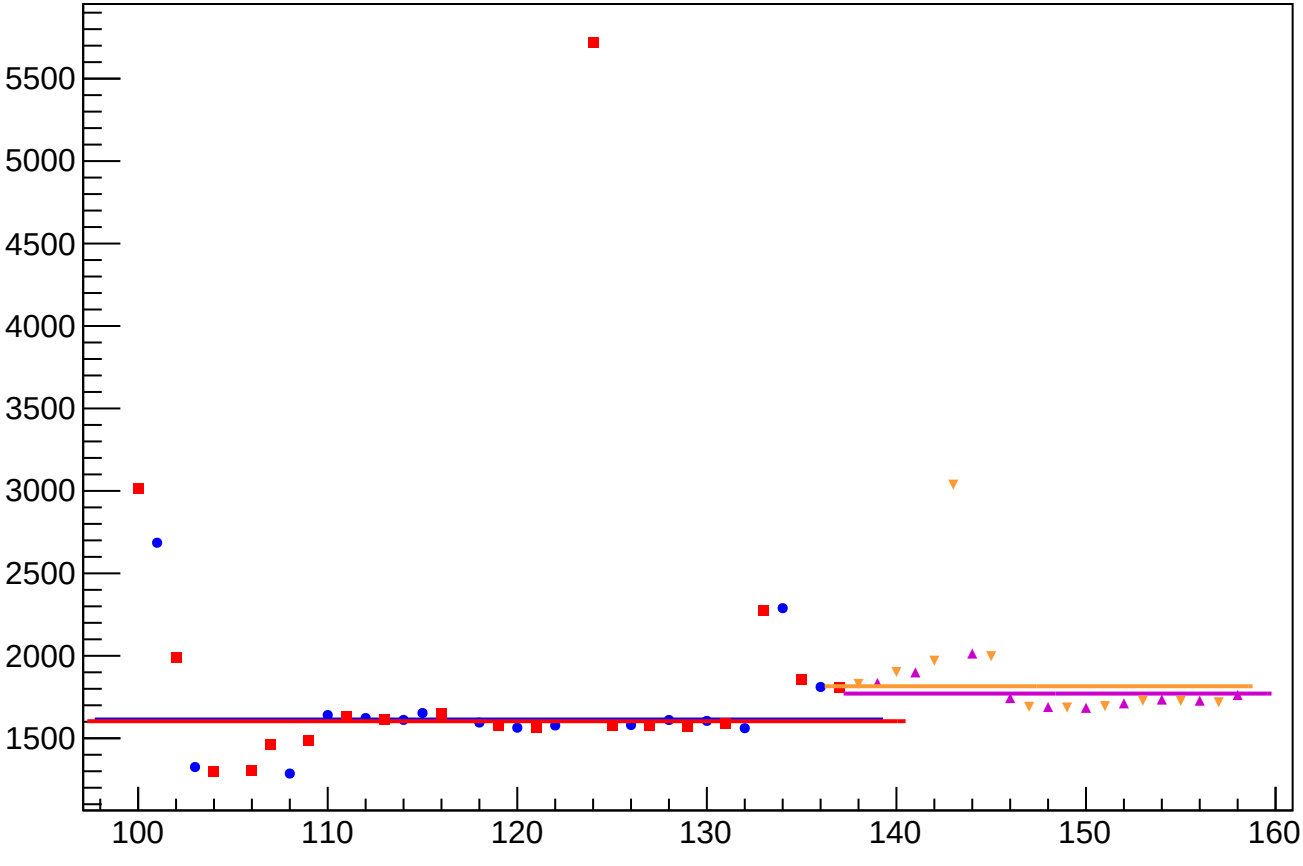
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 713.921+/-427.629 χ^2/NDF:21.5/25

Out: -19.624+/-433.002 χ^2/NDF:34.3/29

All: 351.728+/-304.261 χ^2/NDF: 57.2/55

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1815.473+/-0.440 χ^2/NDF:328180.7/10

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

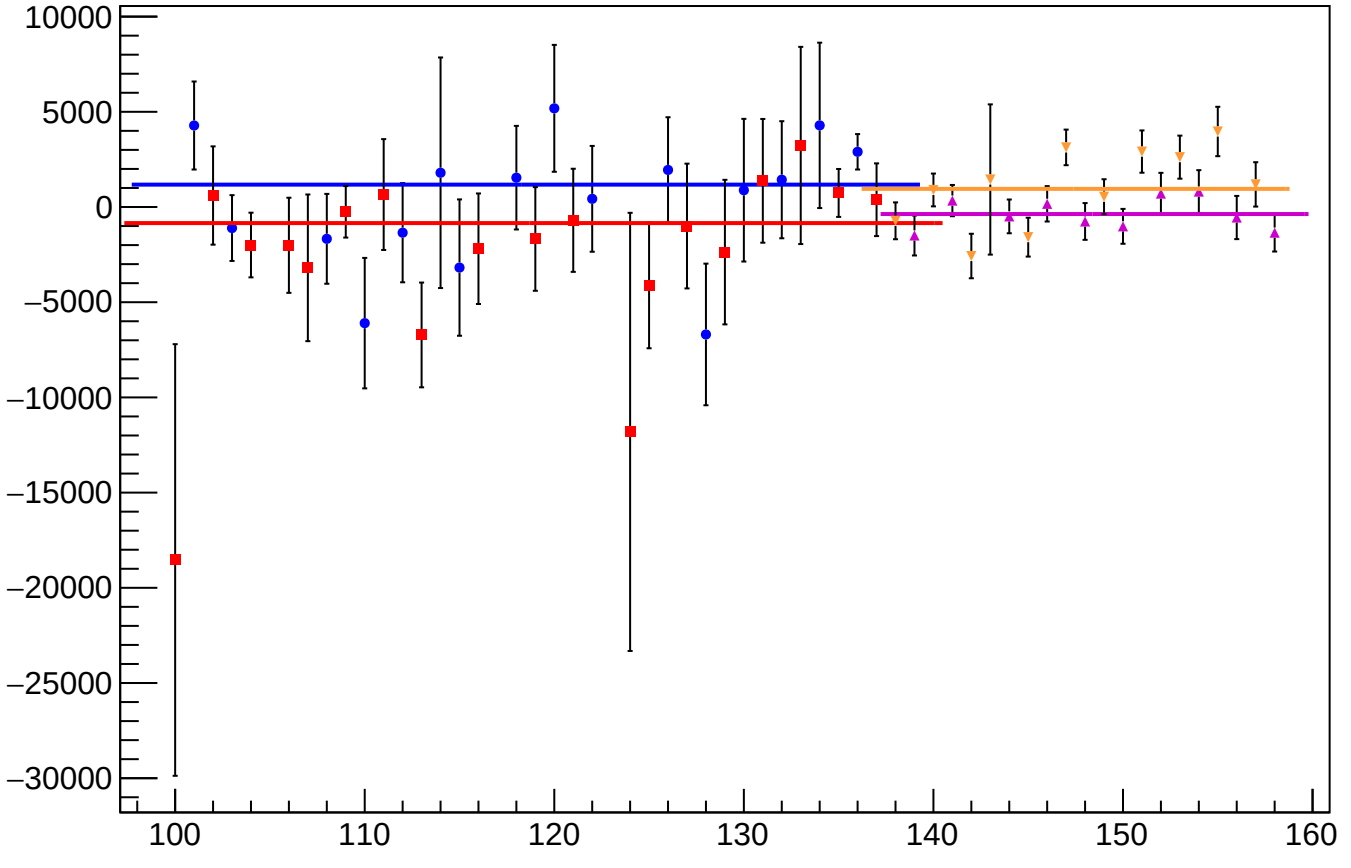
Left: 1792.413+/-0.305 χ^2/NDF: 382831.5/20

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1693.426+/-0.302 χ^2/NDF:521606.4/25

Out: 1706.284+/-0.306 χ^2/NDF:873733.0/29

All: 1699.775+/-0.215 χ^2/NDF: 1396232.2/55



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 953.281+/-325.699 χ^2/NDF:34.7/10

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -369.021+/-308.336 χ^2/NDF:6.0/9

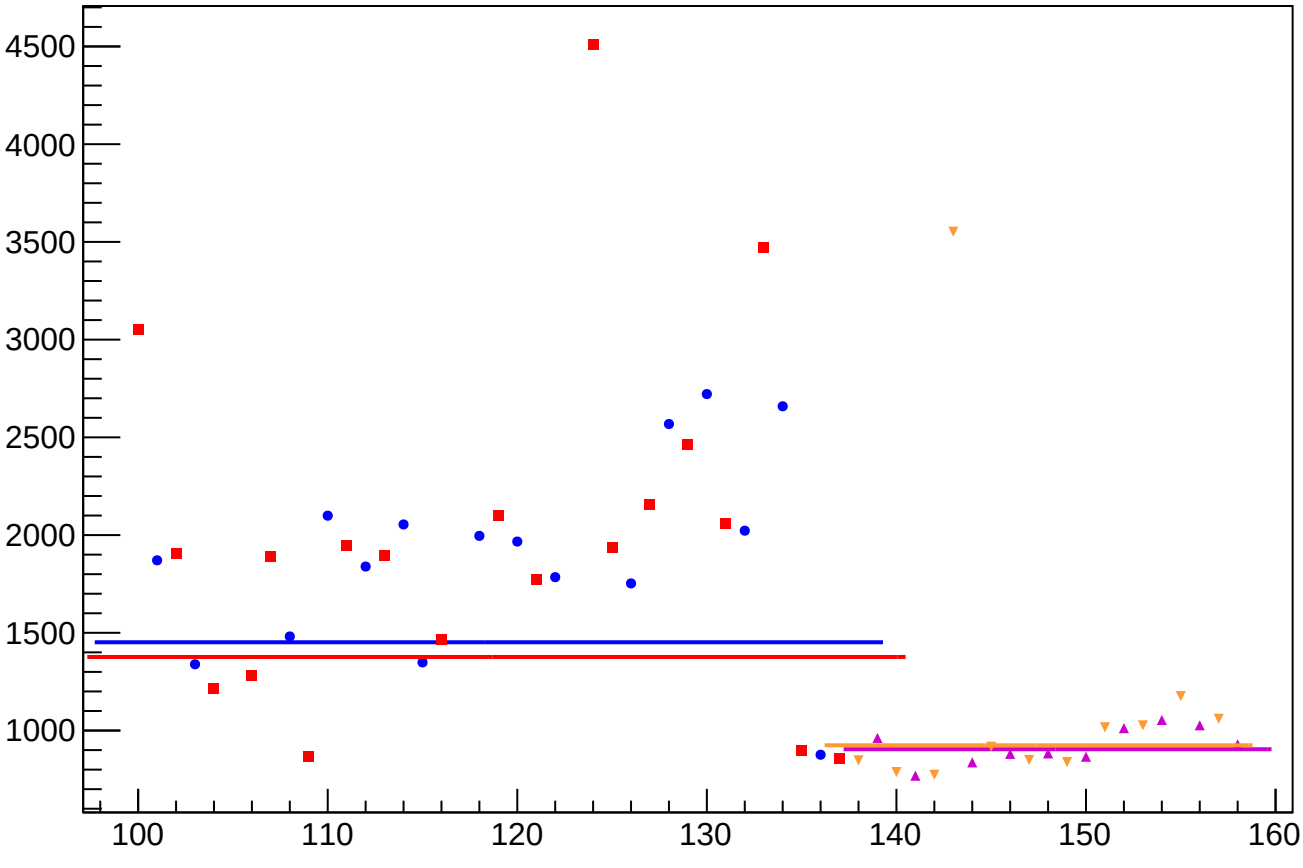
Left: 255.948+/-223.913 χ^2/NDF: 49.3/20

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -27.843+/-272.159 χ^2/NDF:33.5/25

Out: 495.911+/-281.216 χ^2/NDF:56.7/29

All: 225.464+/-195.569 χ^2/NDF: 92.0/55



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 924.550+/-0.230 χ^2/NDF:1146682.8/10

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 904.392+/-0.218 χ^2/NDF:157436.9/9

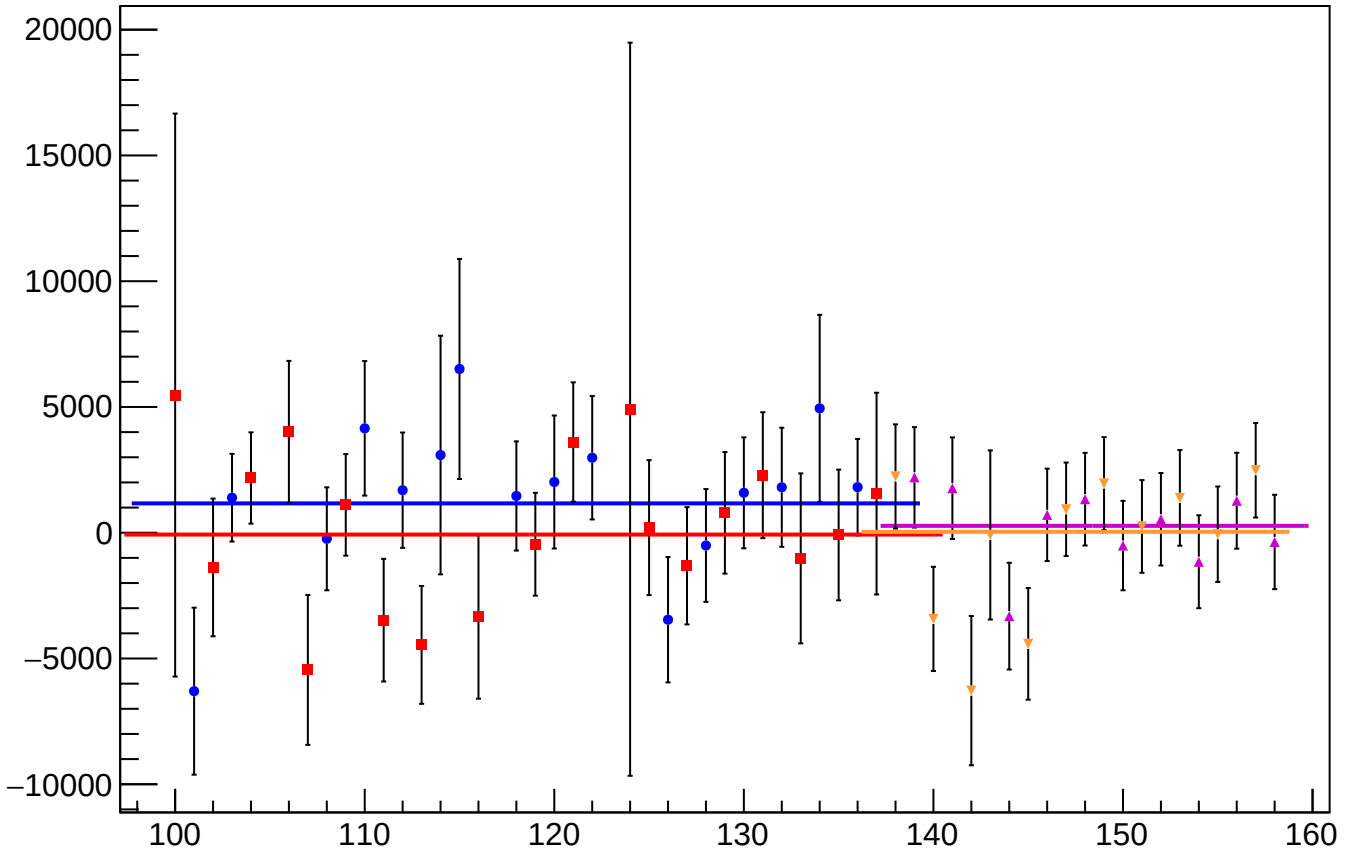
Left: 913.919+/-0.158 χ^2/NDF: 1308160.0/20

Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1025.276+/-0.192 χ^2/NDF:3339919.3/25

Out: 1039.563+/-0.199 χ^2/NDF:4258691.0/29

All: 1032.186+/-0.138 χ^2/NDF: 7601275.8/55



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 36.009+/-621.767 χ^2/NDF:16.0/10

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 273.843+/-600.440 χ^2/NDF:5.9/9

Left: 159.075+/-431.918 χ^2/NDF: 22.0/20

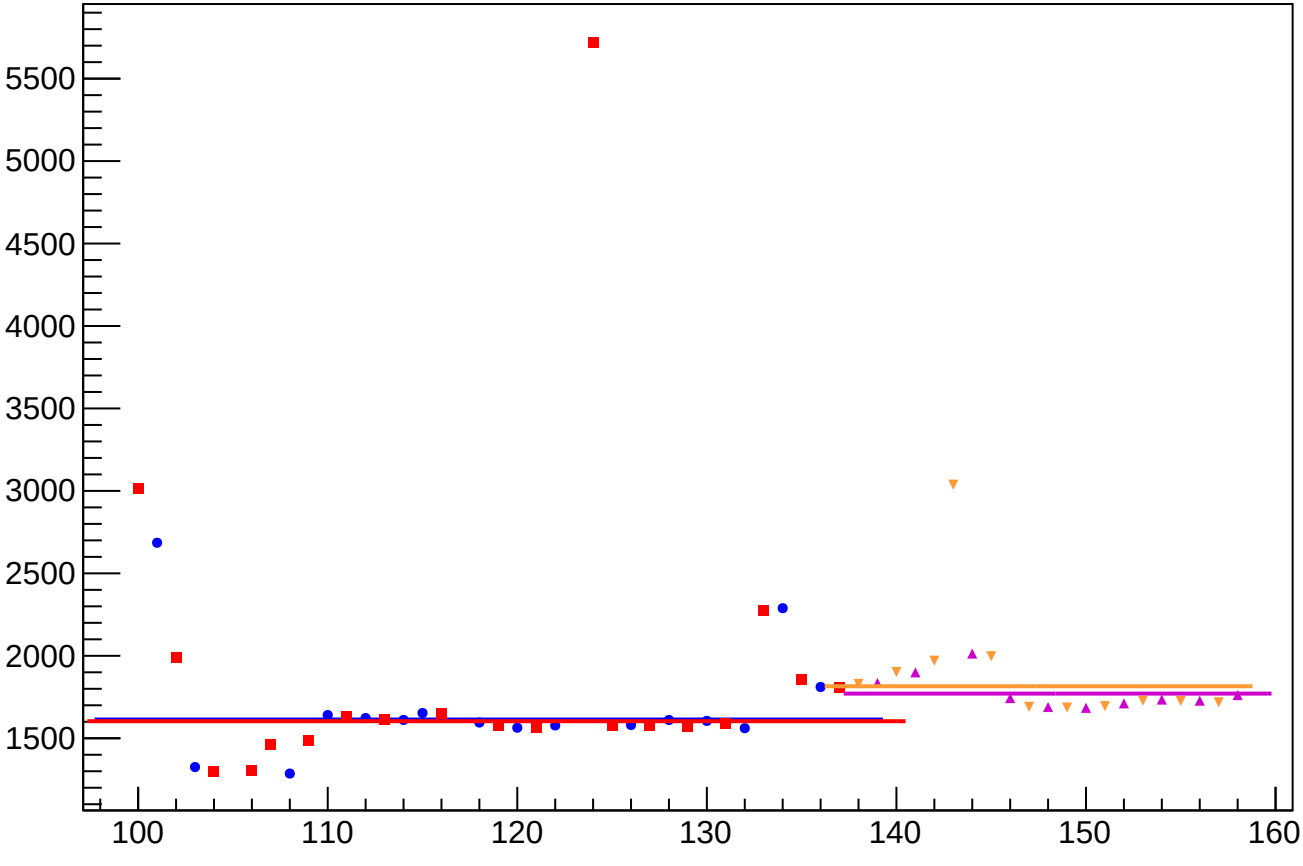
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 713.861+/-427.629 χ^2/NDF:21.5/25

Out: -19.875+/-433.002 χ^2/NDF:34.3/29

All: 351.574+/-304.261 χ^2/NDF: 57.2/55

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1815.473+/-0.440 χ^2/NDF:328180.7/10

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

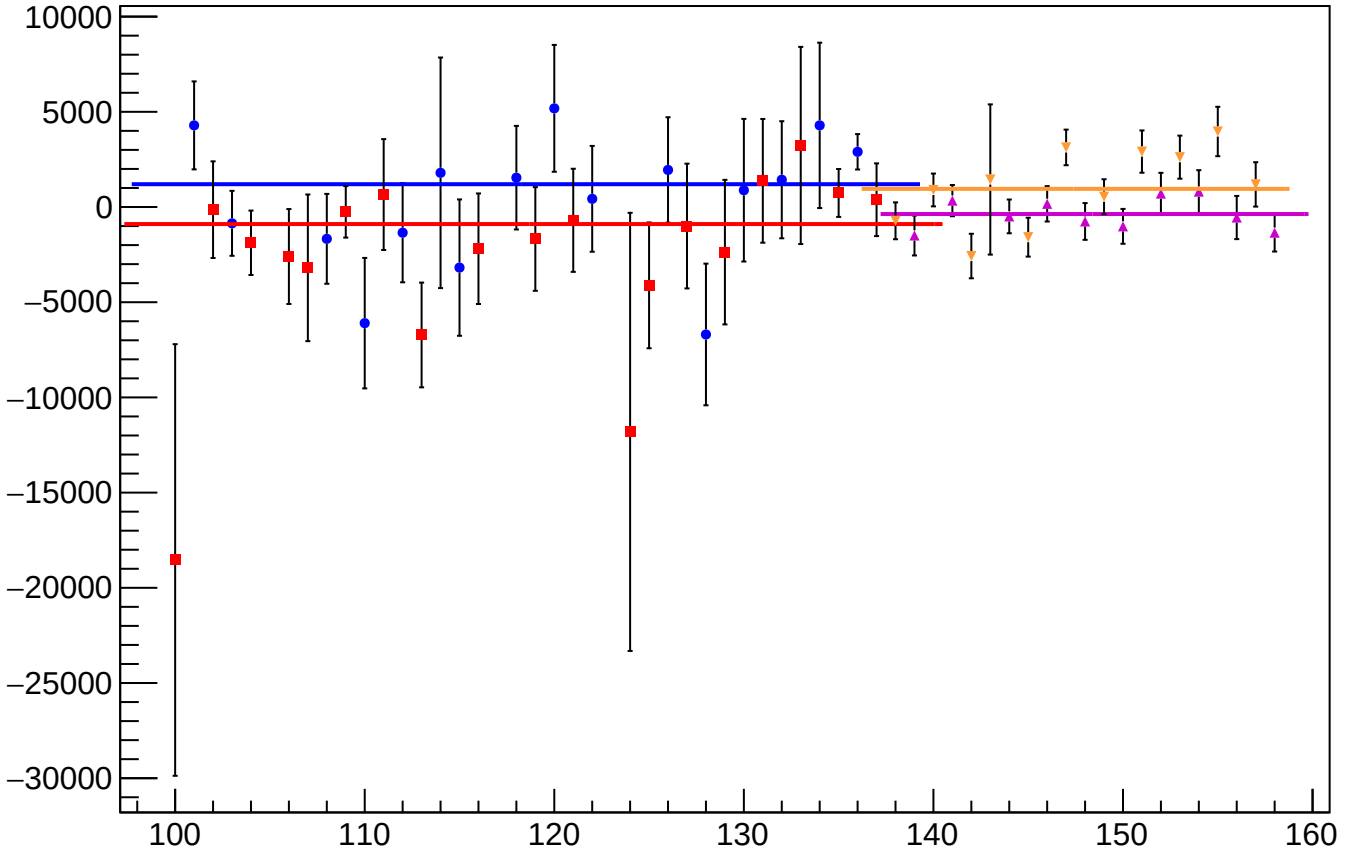
Left: 1792.413+/-0.305 χ^2/NDF: 382831.5/20

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1693.426+/-0.302 χ^2/NDF:521606.8/25

Out: 1706.284+/-0.306 χ^2/NDF:873733.2/29

All: 1699.775+/-0.215 χ^2/NDF: 1396232.8/55



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 953.297+/-325.703 χ^2/NDF:34.7/10

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -368.986+/-308.336 χ^2/NDF:6.0/9

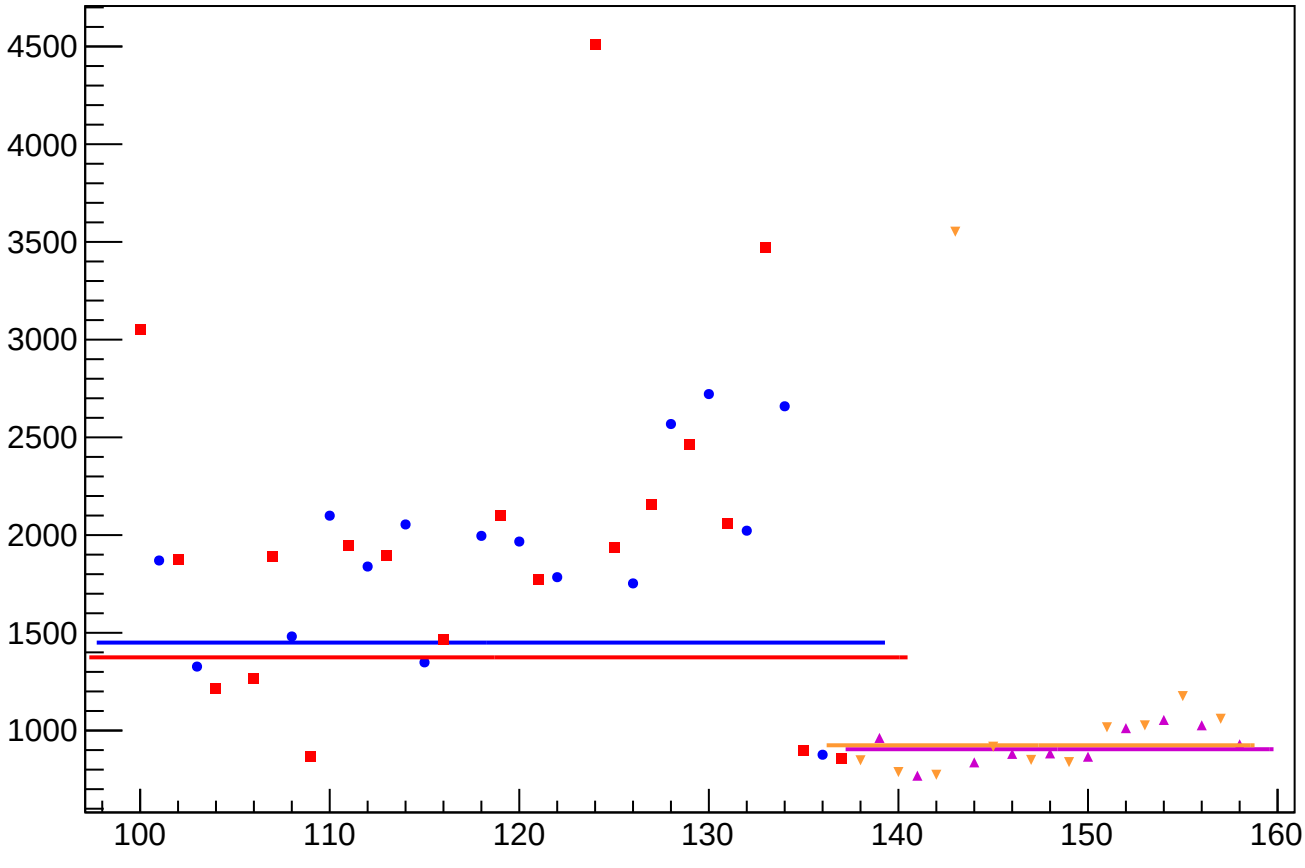
Left: 255.964+/-223.914 χ^2/NDF: 49.3/20

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -22.001+/-272.072 χ^2/NDF:33.4/25

Out: 481.808+/-281.119 χ^2/NDF:57.1/29

All: 221.667+/-195.504 χ^2/NDF: 92.1/55



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.564+/-0.230 χ^2/NDF:1146596.1/10

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 904.389+/-0.218 χ^2/NDF:157471.1/9

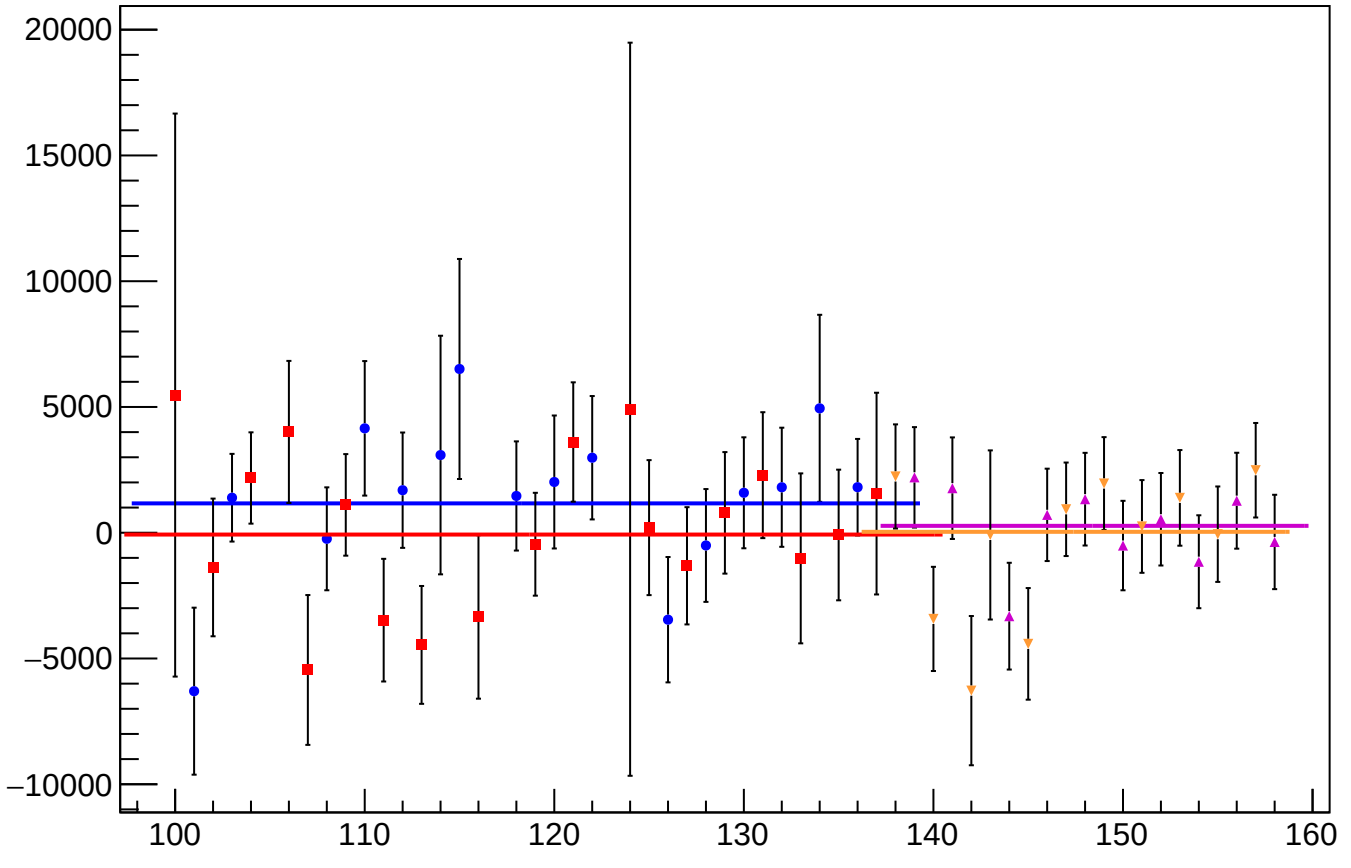
Left: 913.924+/-0.158 χ^2/NDF: 1308114.4/20

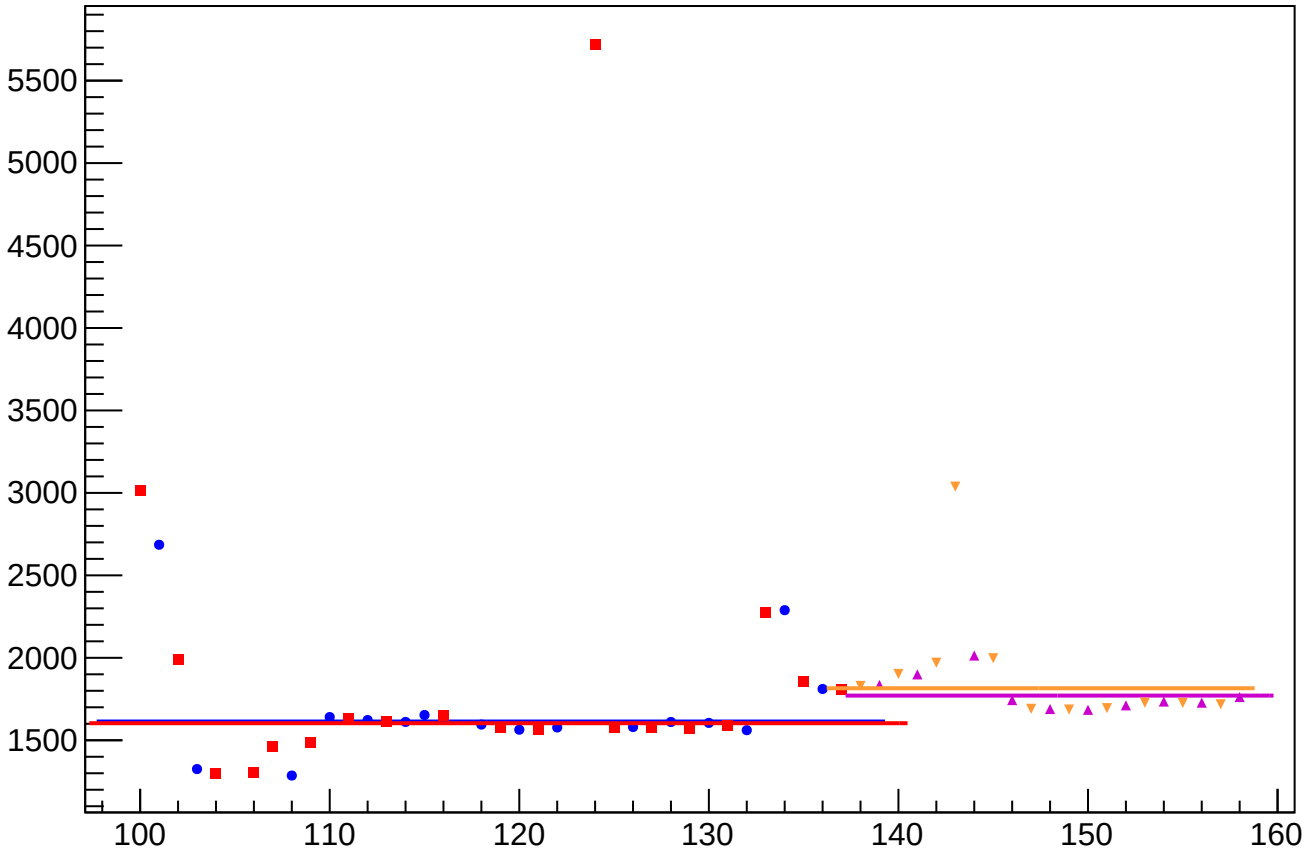
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1025.167+/-0.192 χ^2/NDF:3336272.4/25

Out: 1039.296+/-0.199 χ^2/NDF:4247395.8/29

All: 1032.000+/-0.138 χ^2/NDF: 7586276.8/55


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: 36.009+/-621.767 χ²/NDF:16.0/10
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 273.843+/-600.440 χ²/NDF:5.9/9
Left: 159.075+/-431.918 χ²/NDF: 22.0/20
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 713.861+/-427.629 χ²/NDF:21.5/25
Out: -19.875+/-433.002 χ²/NDF:34.3/29
All: 351.574+/-304.261 χ²/NDF: 57.2/55



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1815.473+/-0.440 χ^2/NDF:328180.7/10

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

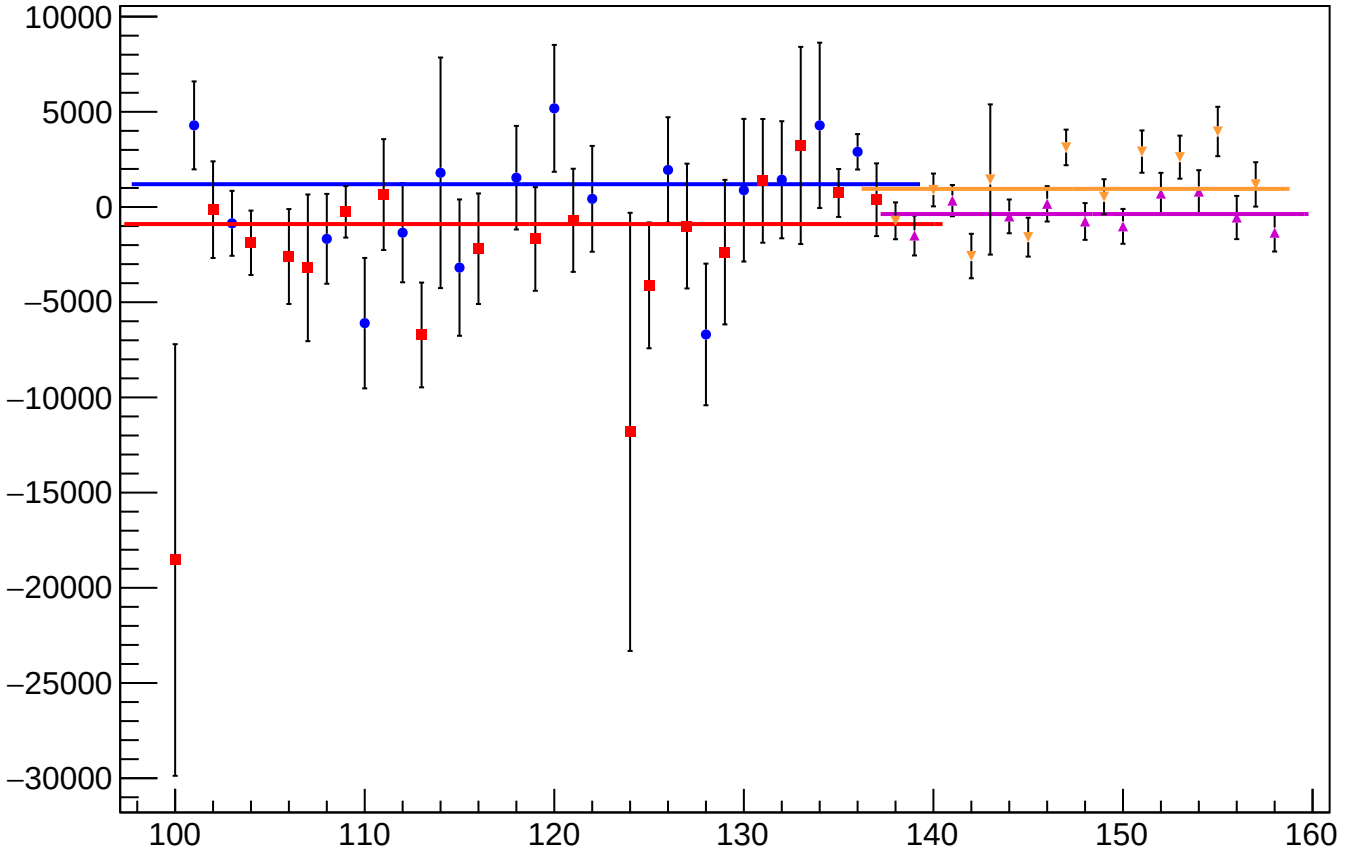
Left: 1792.413+/-0.305 χ^2/NDF: 382831.5/20

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1693.426+/-0.302 χ^2/NDF:521606.8/25

Out: 1706.284+/-0.306 χ^2/NDF:873733.2/29

All: 1699.775+/-0.215 χ^2/NDF: 1396232.8/55



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 953.297+/-325.703 χ^2/NDF:34.7/10

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -368.986+/-308.336 χ^2/NDF:6.0/9

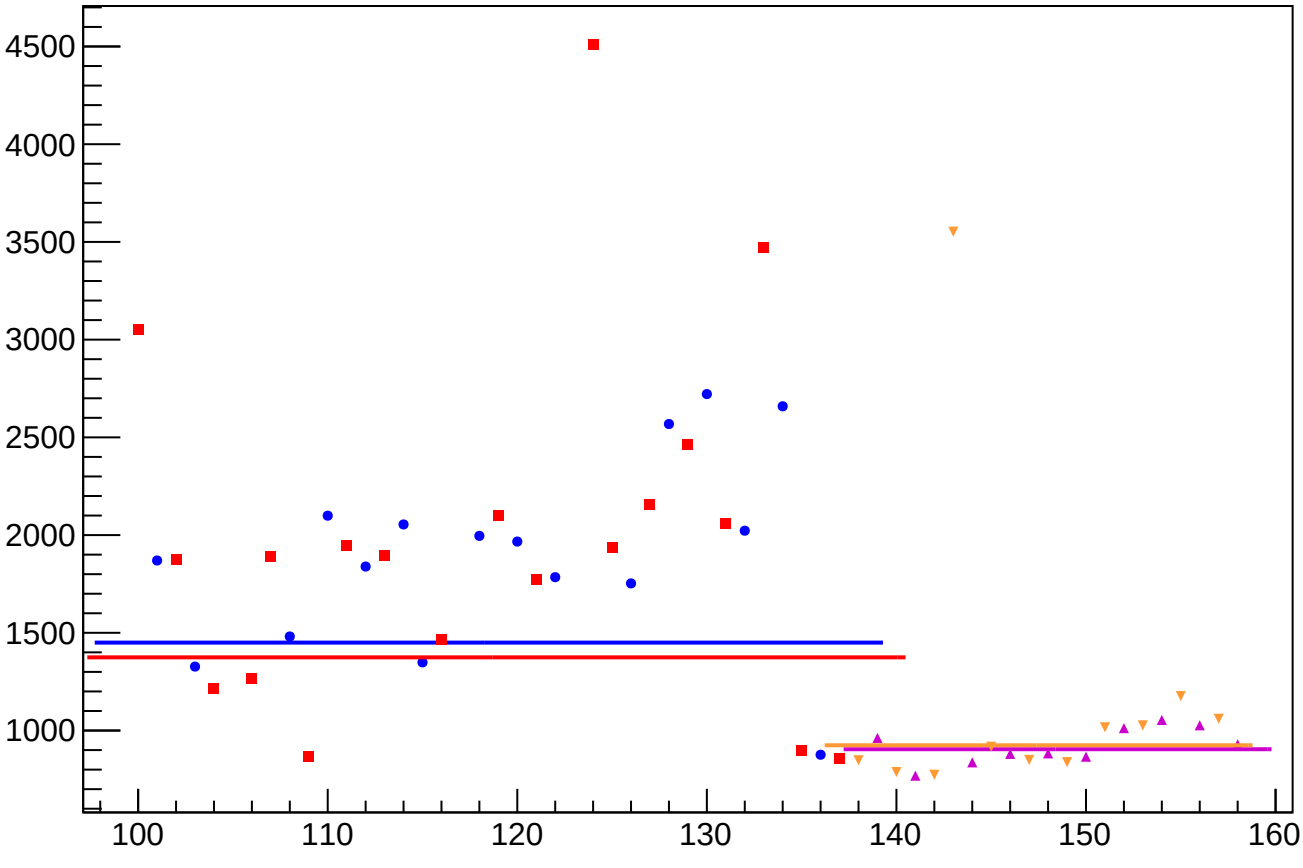
Left: 255.964+/-223.914 χ^2/NDF: 49.3/20

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -22.001+/-272.072 χ^2/NDF:33.4/25

Out: 481.808+/-281.119 χ^2/NDF:57.1/29

All: 221.667+/-195.504 χ^2/NDF: 92.1/55



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.564+/-0.230 χ^2/NDF:1146596.1/10

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 904.389+/-0.218 χ^2/NDF:157471.1/9

Left: 913.924+/-0.158 χ^2/NDF: 1308114.4/20

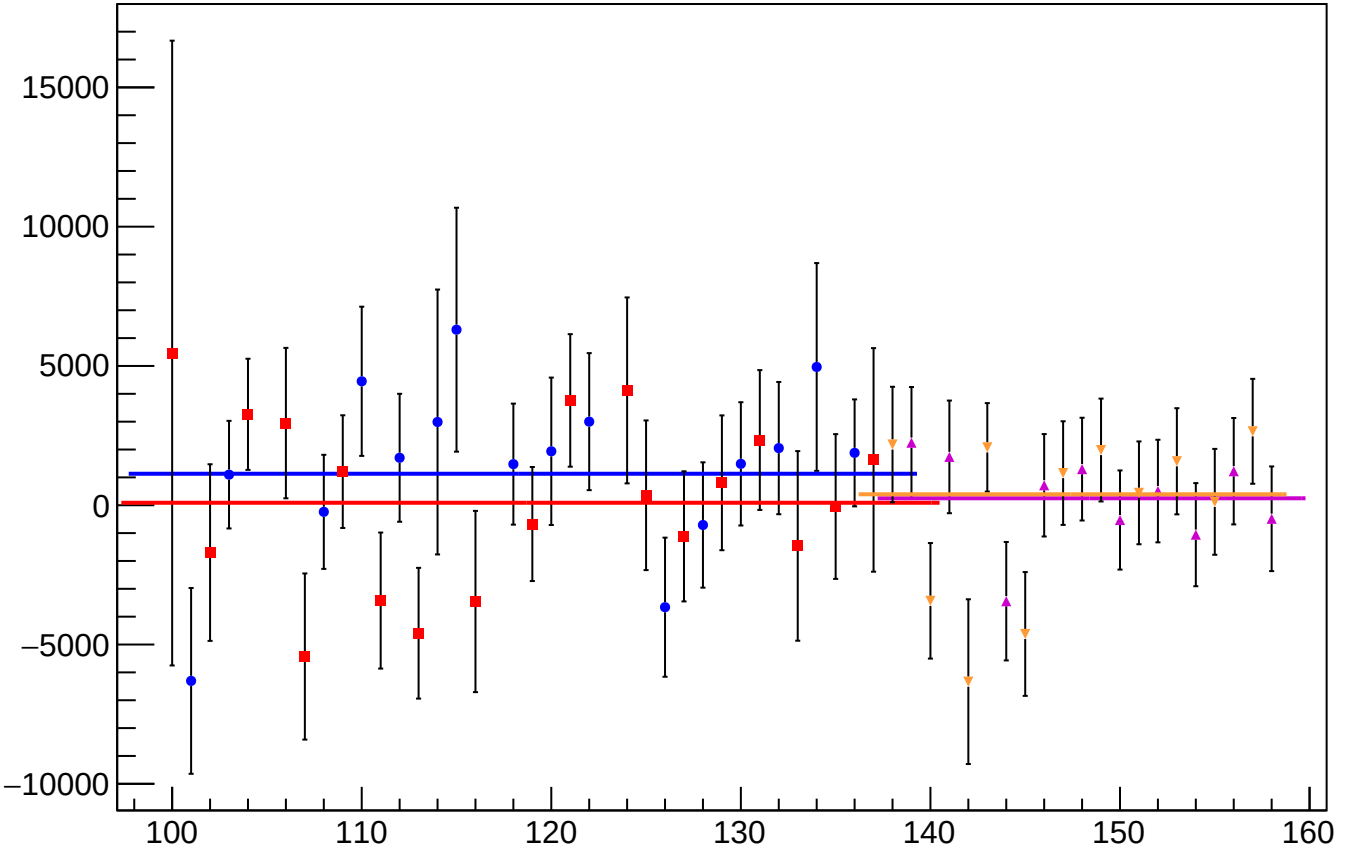
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1025.167+/-0.192 χ^2/NDF:3336272.4/25

Out: 1039.296+/-0.199 χ^2/NDF:4247395.8/29

All: 1032.000+/-0.138 χ^2/NDF: 7586276.8/55

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 393.468+/-588.311 χ^2/NDF:18.3/10

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 249.610+/-601.228 χ^2/NDF:6.1/9

Left: 323.101+/-420.491 χ^2/NDF: 24.4/20

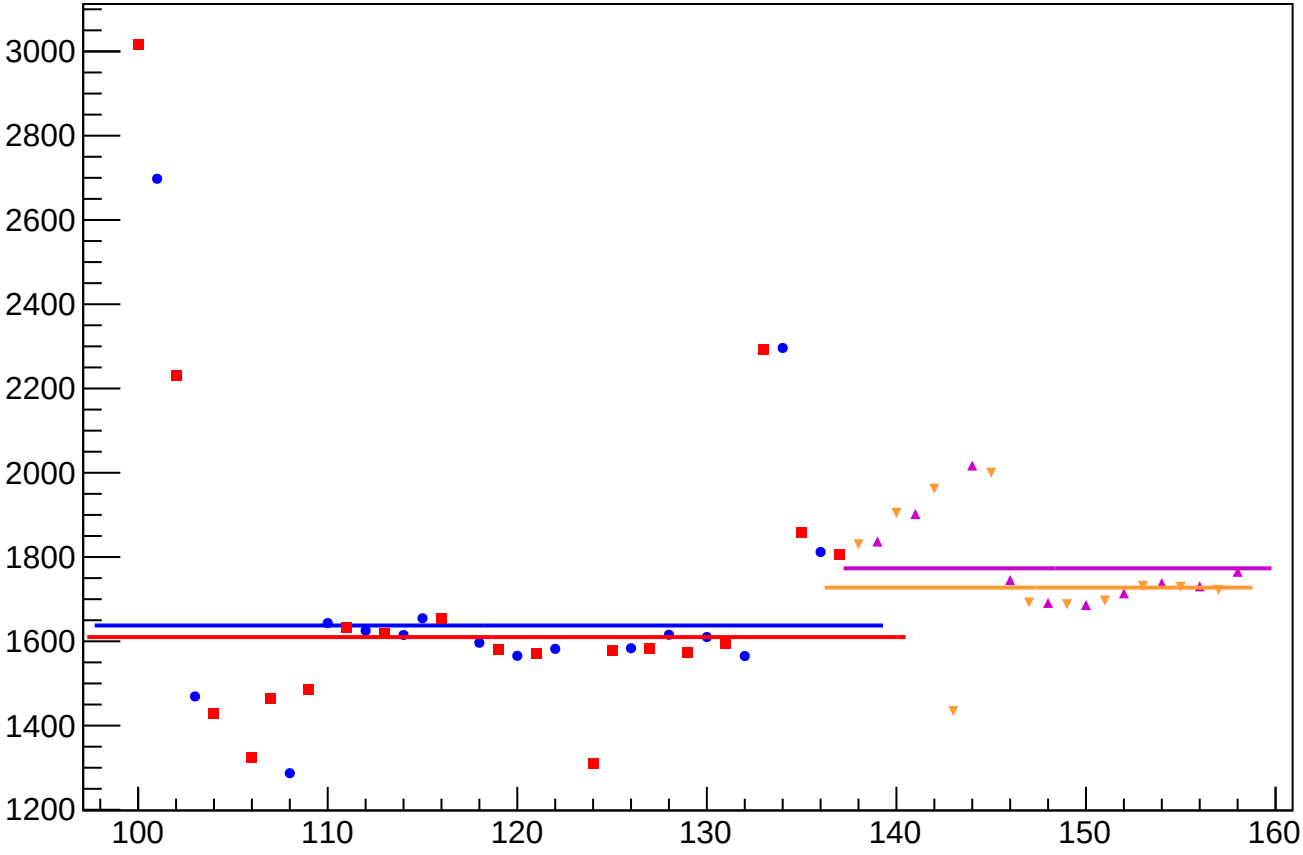
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 678.594+/-430.680 χ^2/NDF:22.1/25

Out: 245.113+/-421.120 χ^2/NDF:39.1/29

All: 456.989+/-301.100 χ^2/NDF: 61.7/55

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1727.537+/-0.416 χ^2/NDF:132462.2/10

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1773.212+/-0.425 χ^2/NDF:49553.1/9

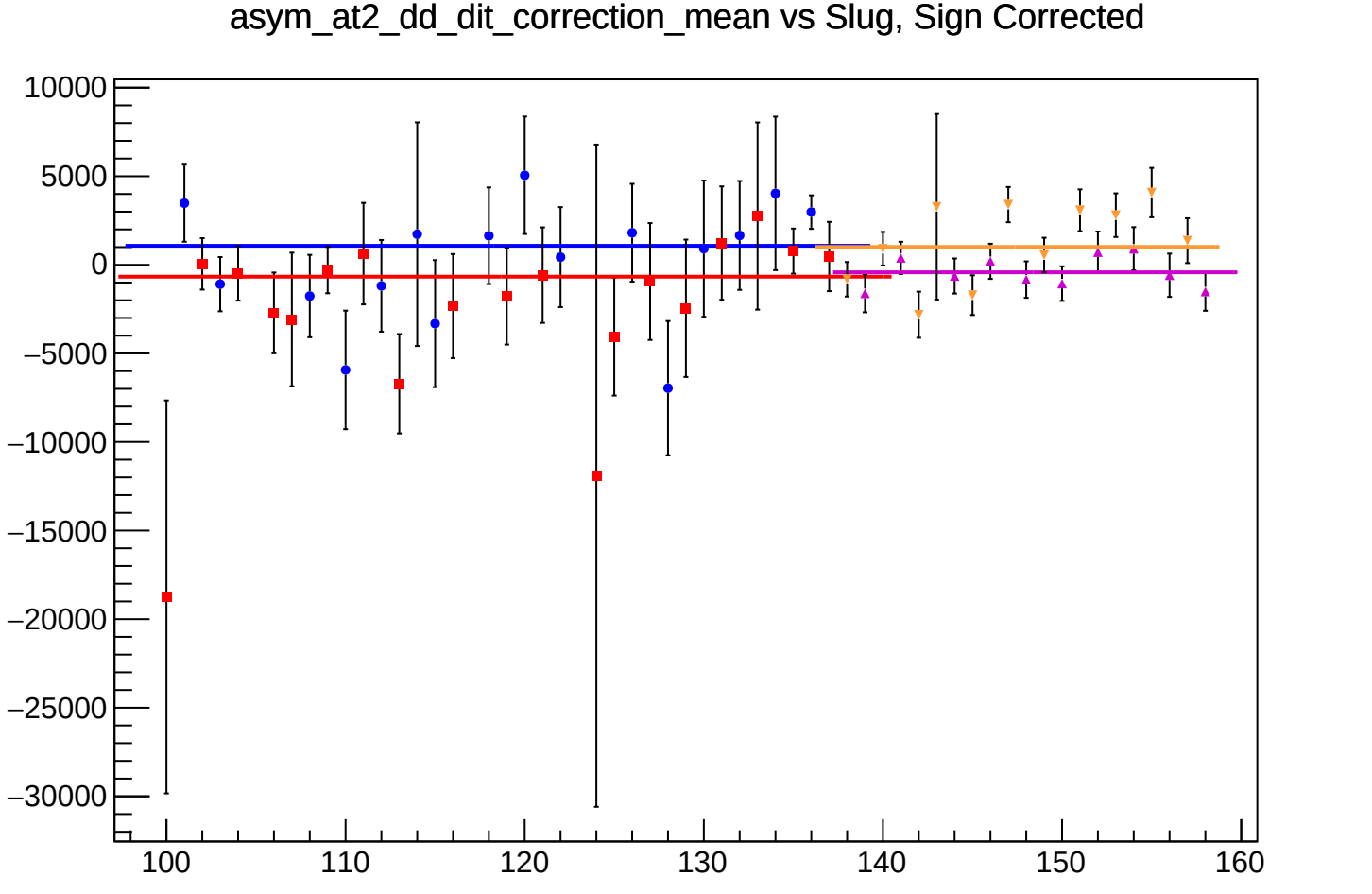
Left: 1749.879+/-0.297 χ^2/NDF: 187912.0/20

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.175+/-0.305 χ^2/NDF:460529.2/25

Out: 1670.246+/-0.298 χ^2/NDF:452172.2/29

All: 1688.296+/-0.213 χ^2/NDF: 920218.8/55



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1011.378+/-349.996 χ^2/NDF:34.4/10

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -421.497+/-332.377 χ^2/NDF:6.2/9

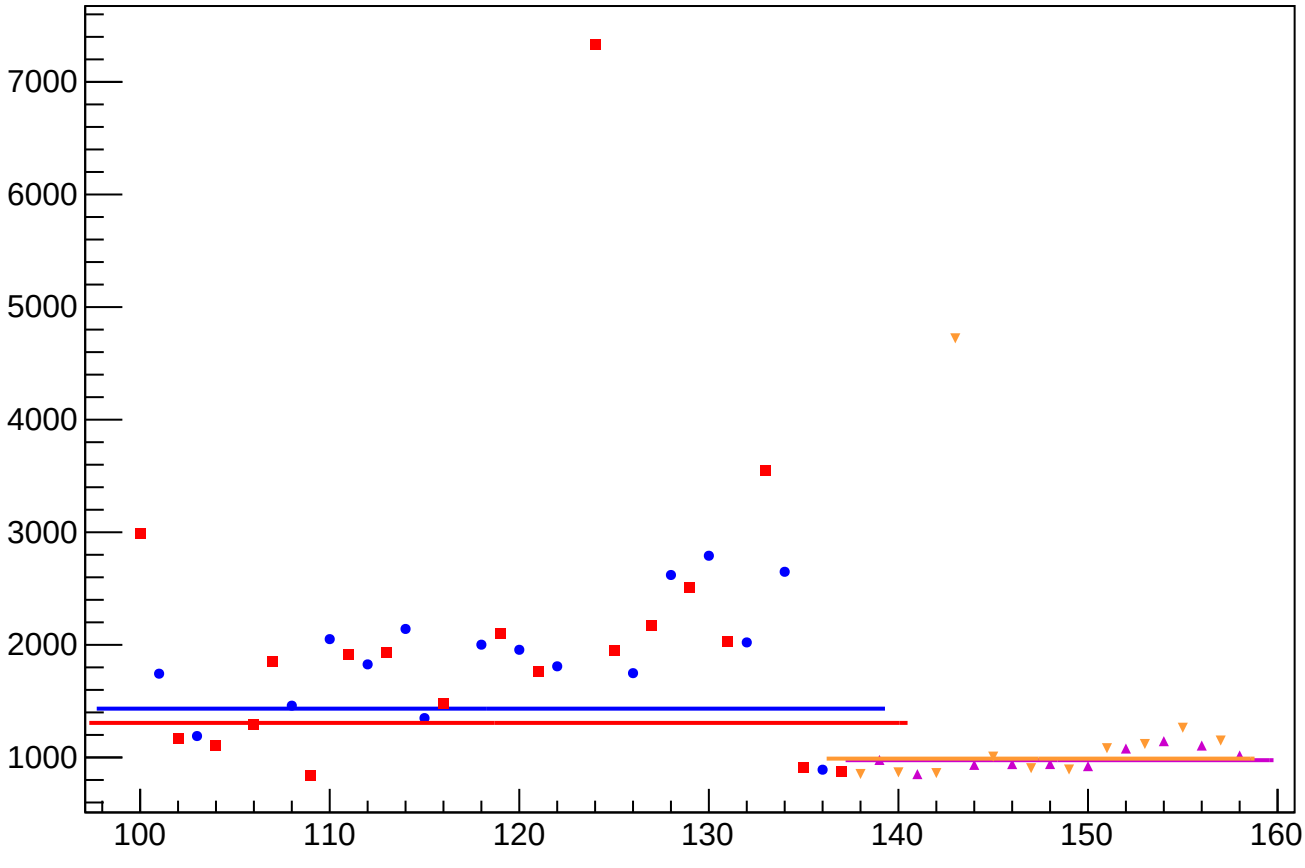
Left: 257.968+/-241.014 χ^2/NDF: 49.4/20

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -43.716+/-287.332 χ^2/NDF:33.4/25

Out: 492.642+/-290.955 χ^2/NDF:55.0/29

All: 221.104+/-204.443 χ^2/NDF: 90.1/55



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 989.657+/-0.247 χ^2/NDF:1287775.4/10

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 975.746+/-0.235 χ^2/NDF:130802.4/9

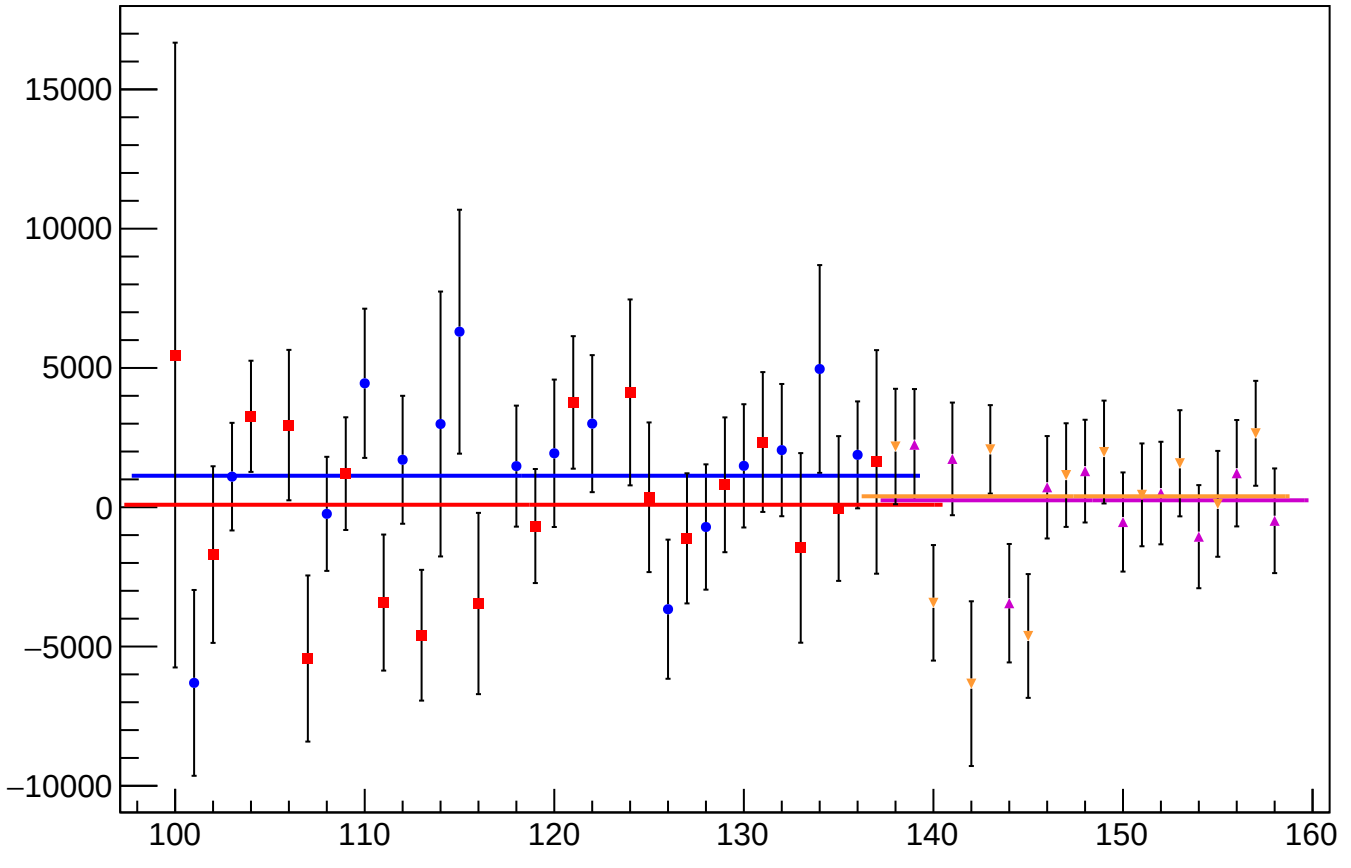
Left: 982.343+/-0.170 χ^2/NDF: 1420239.2/20

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1091.405+/-0.203 χ^2/NDF:2852722.7/25

Out: 1087.652+/-0.206 χ^2/NDF:3979198.6/29

All: 1089.552+/-0.145 χ^2/NDF: 6832089.8/55



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 393.459+/-588.311 χ^2/NDF:18.3/10

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 249.605+/-601.228 χ^2/NDF:6.1/9

Left: 323.094+/-420.491 χ^2/NDF: 24.4/20

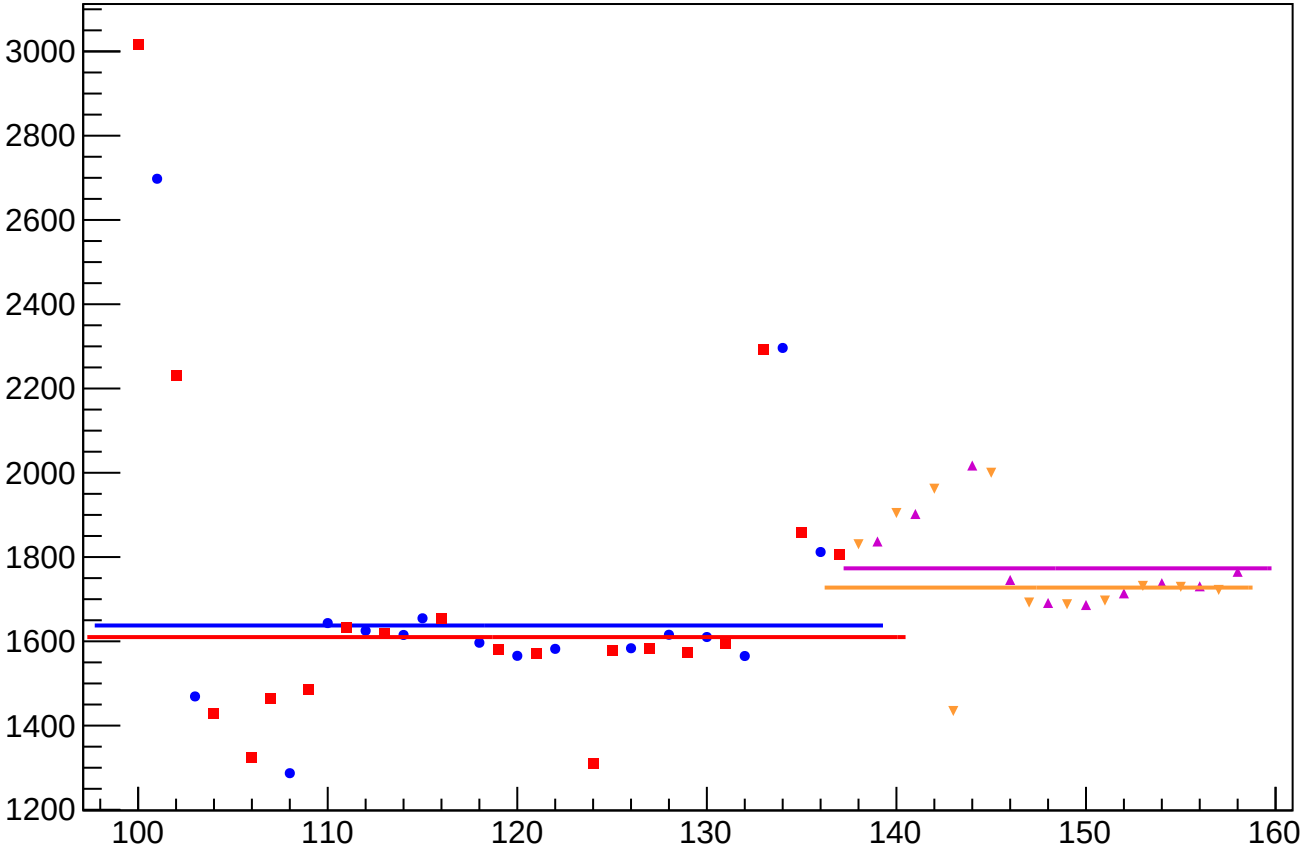
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 678.592+/-430.680 χ^2/NDF:22.1/25

Out: 245.111+/-421.120 χ^2/NDF:39.1/29

All: 456.987+/-301.100 χ^2/NDF: 61.7/55

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1727.538+/-0.416 χ^2/NDF:132461.1/10

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1773.212+/-0.425 χ^2/NDF:49553.2/9

Left: 1749.879+/-0.297 χ^2/NDF: 187910.8/20

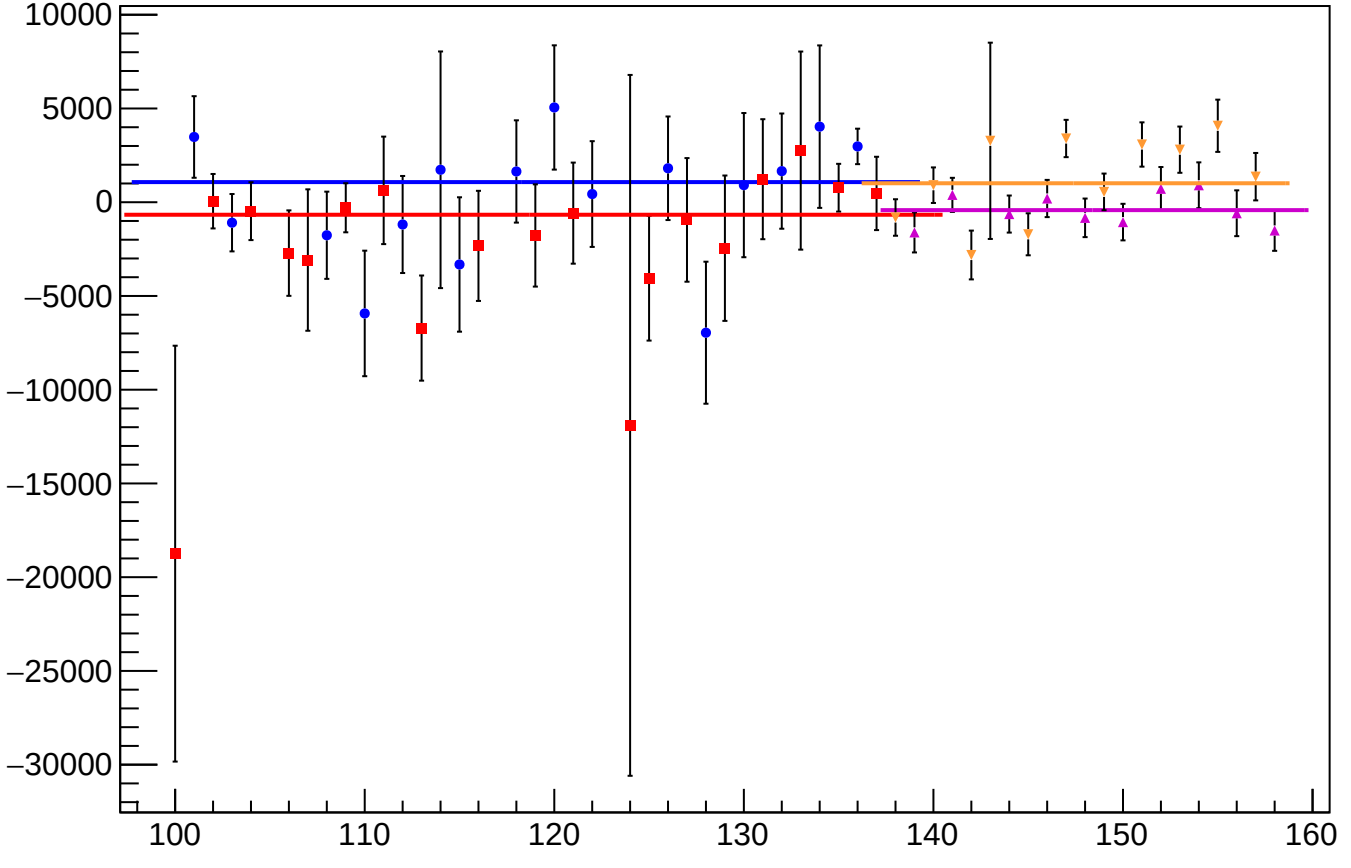
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.175+/-0.305 χ^2/NDF:460529.2/25

Out: 1670.246+/-0.298 χ^2/NDF:452171.7/29

All: 1688.296+/-0.213 χ^2/NDF: 920218.2/55

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1011.394+/-349.998 χ^2/NDF:34.4/10

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -421.498+/-332.378 χ^2/NDF:6.2/9

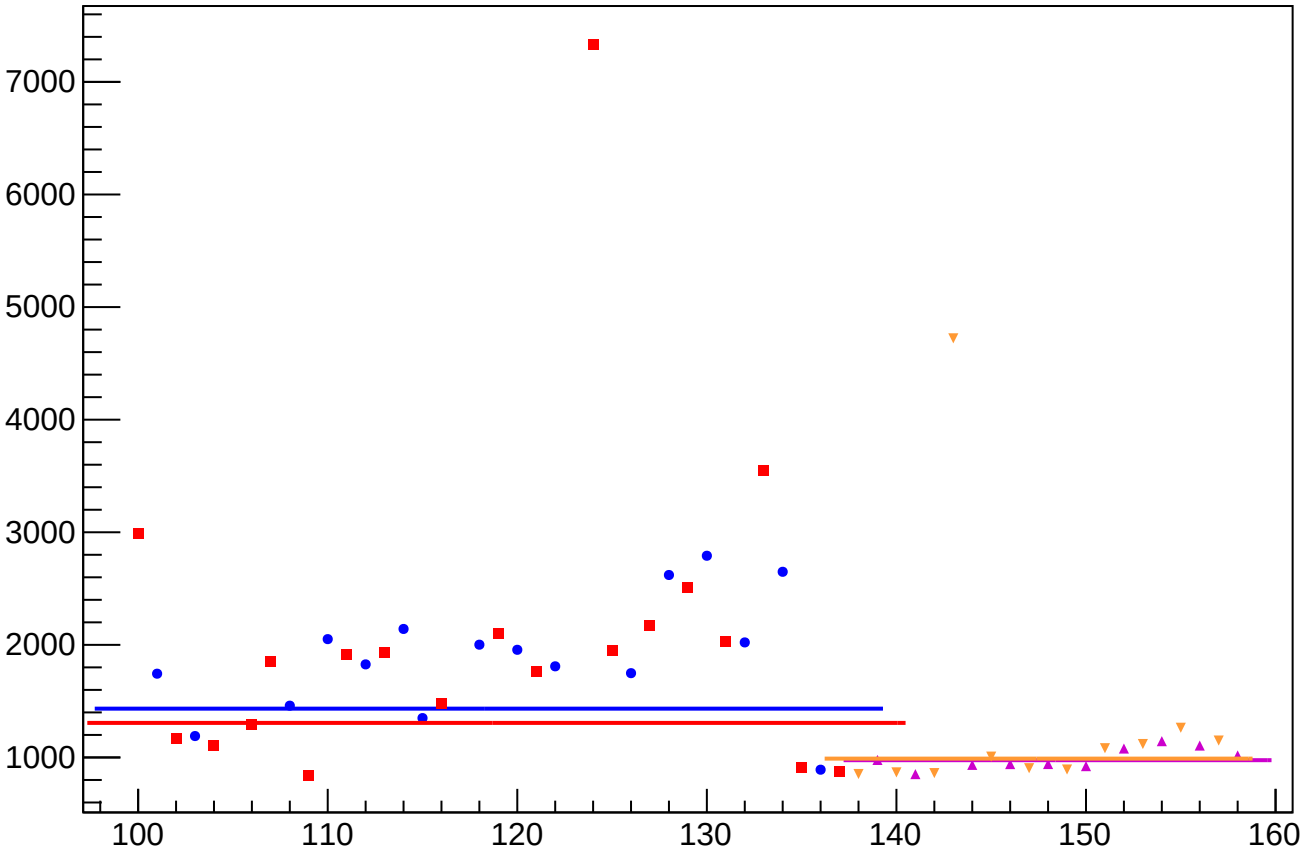
Left: 257.973+/-241.015 χ^2/NDF: 49.4/20

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

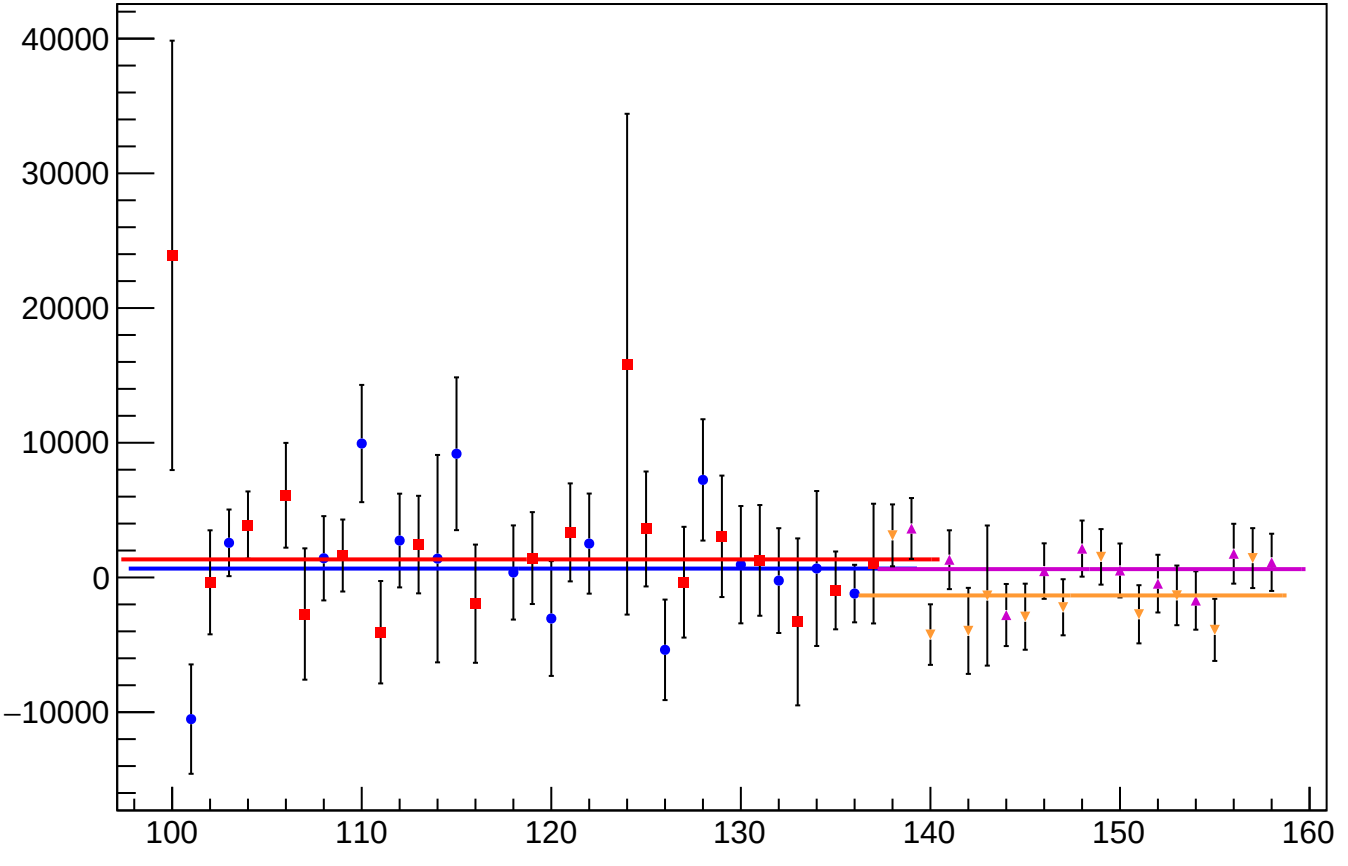
In: -43.722+/-287.333 χ^2/NDF:33.4/25

Out: 492.651+/-290.956 χ^2/NDF:55.0/29

All: 221.104+/-204.444 χ^2/NDF: 90.1/55


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 989.662+/-0.247 χ²/NDF:1287753.8/10
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 975.748+/-0.235 χ²/NDF:130803.4/9
Left: 982.346+/-0.170 χ²/NDF: 1420219.3/20
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1091.410+/-0.203 χ²/NDF:2852674.9/25
Out: 1087.659+/-0.206 χ²/NDF:3979125.4/29
All: 1089.558+/-0.145 χ²/NDF: 6831968.6/55

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1334.048+/-713.696 χ^2/NDF:11.8/10

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 619.353+/-679.722 χ^2/NDF:6.3/9

Left: -309.749+/-492.209 χ^2/NDF: 22.1/20

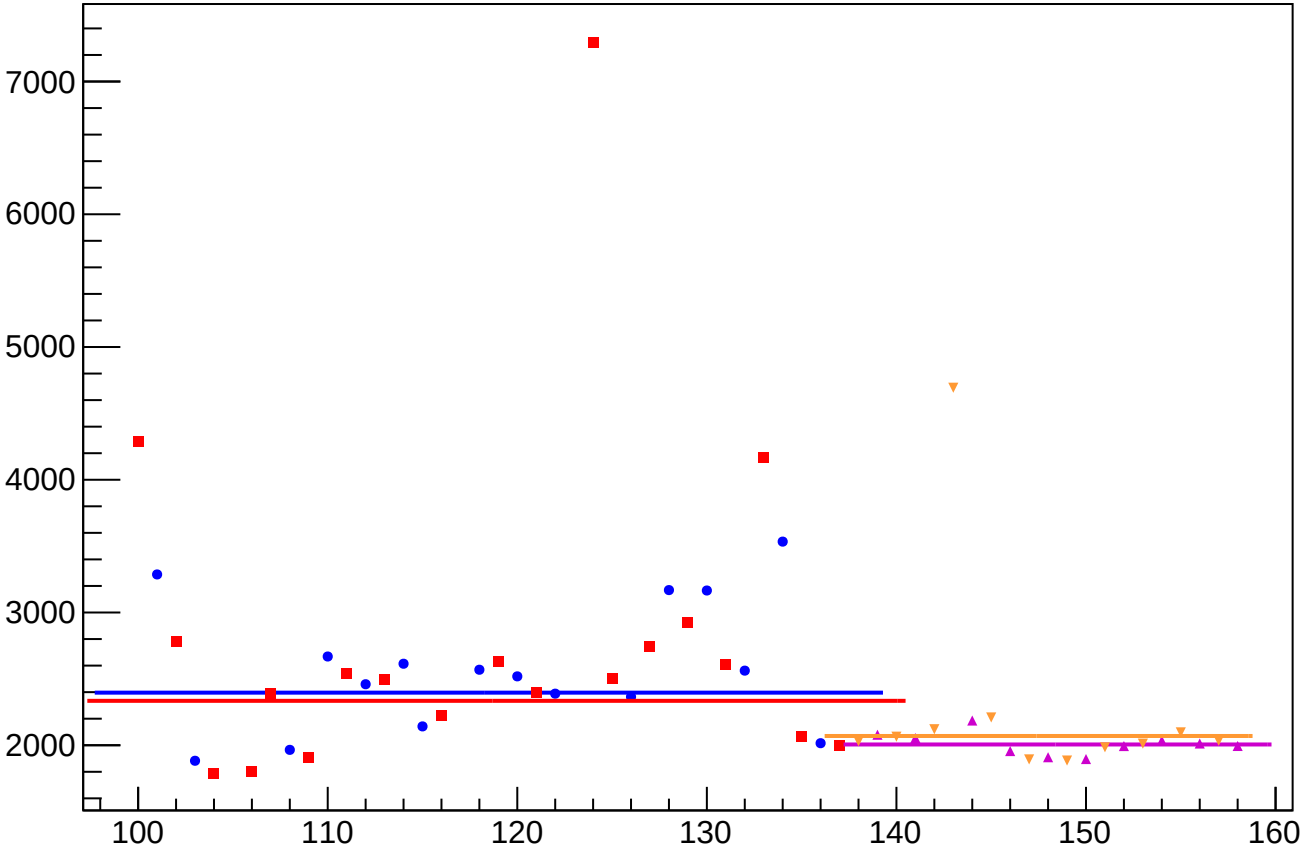
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 633.724+/-544.482 χ^2/NDF:28.3/25

Out: -287.530+/-556.926 χ^2/NDF:28.2/29

All: 183.504+/-389.332 χ^2/NDF: 57.9/55

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2069.812+/-0.505 χ^2/NDF:552201.4/10

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2005.833+/-0.481 χ^2/NDF:27286.6/9

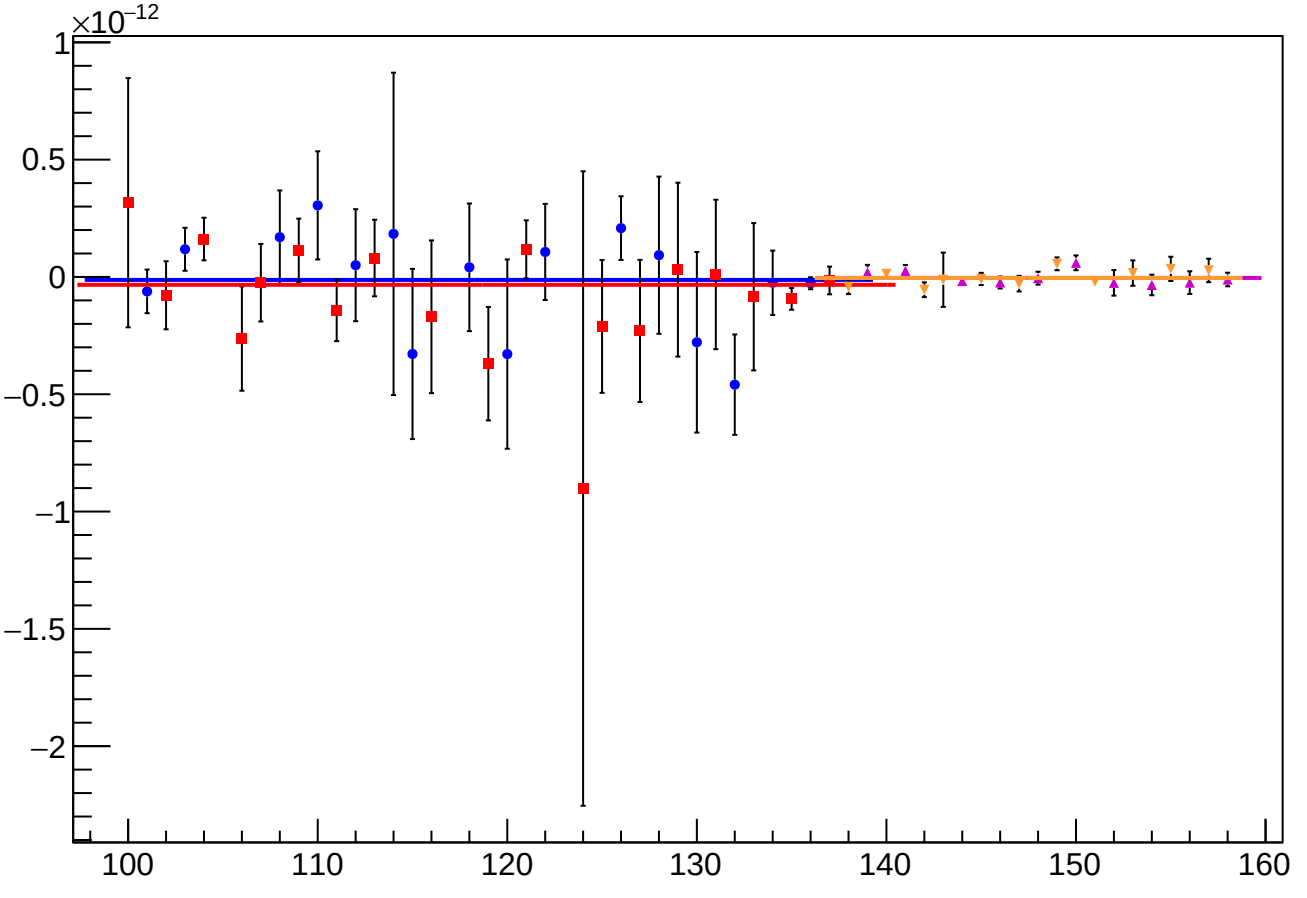
Left: 2036.264+/-0.348 χ^2/NDF: 587915.9/20

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2145.744+/-0.385 χ^2/NDF:771655.0/25

Out: 2173.360+/-0.394 χ^2/NDF:1341424.4/29

All: 2159.241+/-0.275 χ^2/NDF: 2115593.8/55



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/9

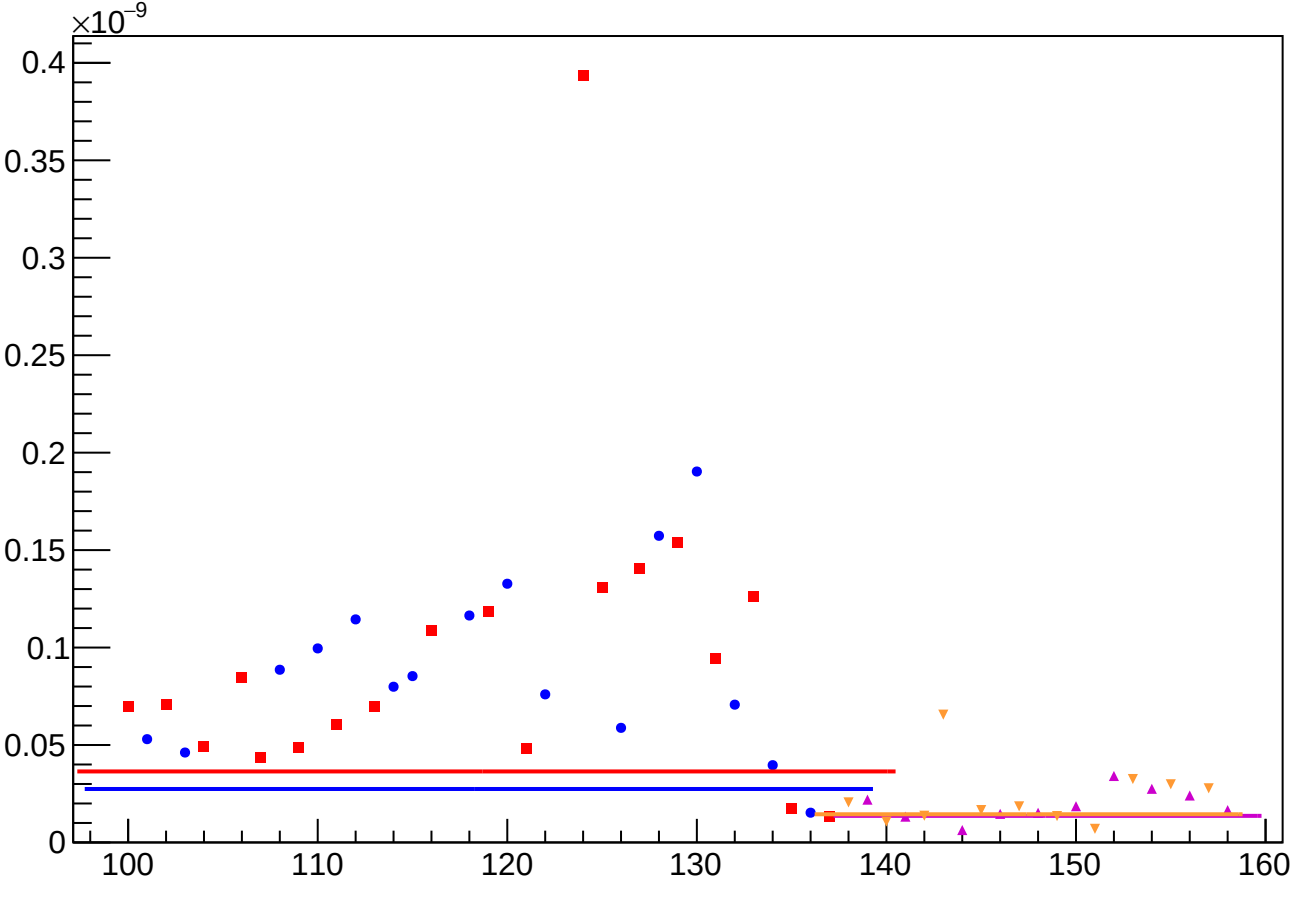
Left: -0.000+/-0.000 χ^2/NDF: 20.8/20

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:23.6/25

Out: -0.000+/-0.000 χ^2/NDF:28.4/29

All: -0.000+/-0.000 χ^2/NDF: 52.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1460754.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1347613.4/9

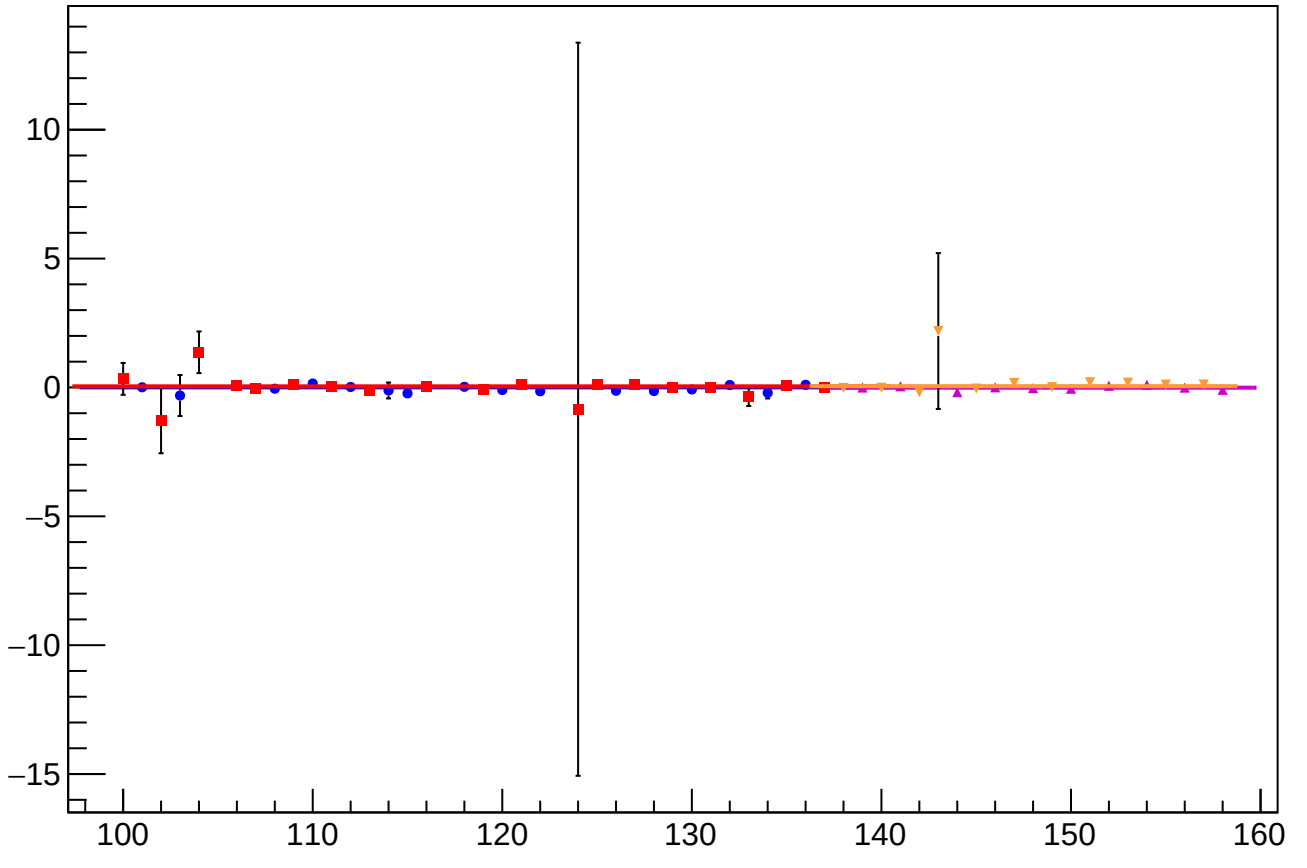
Left: 0.000+/-0.000 χ^2/NDF: 2817304.0/20

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4751771.8/25

Out: 0.000+/-0.000 χ^2/NDF:5023052.7/29

All: 0.000+/-0.000 χ^2/NDF: 9793286.3/55



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.009+/-0.024 χ^2/NDF:6.0/9

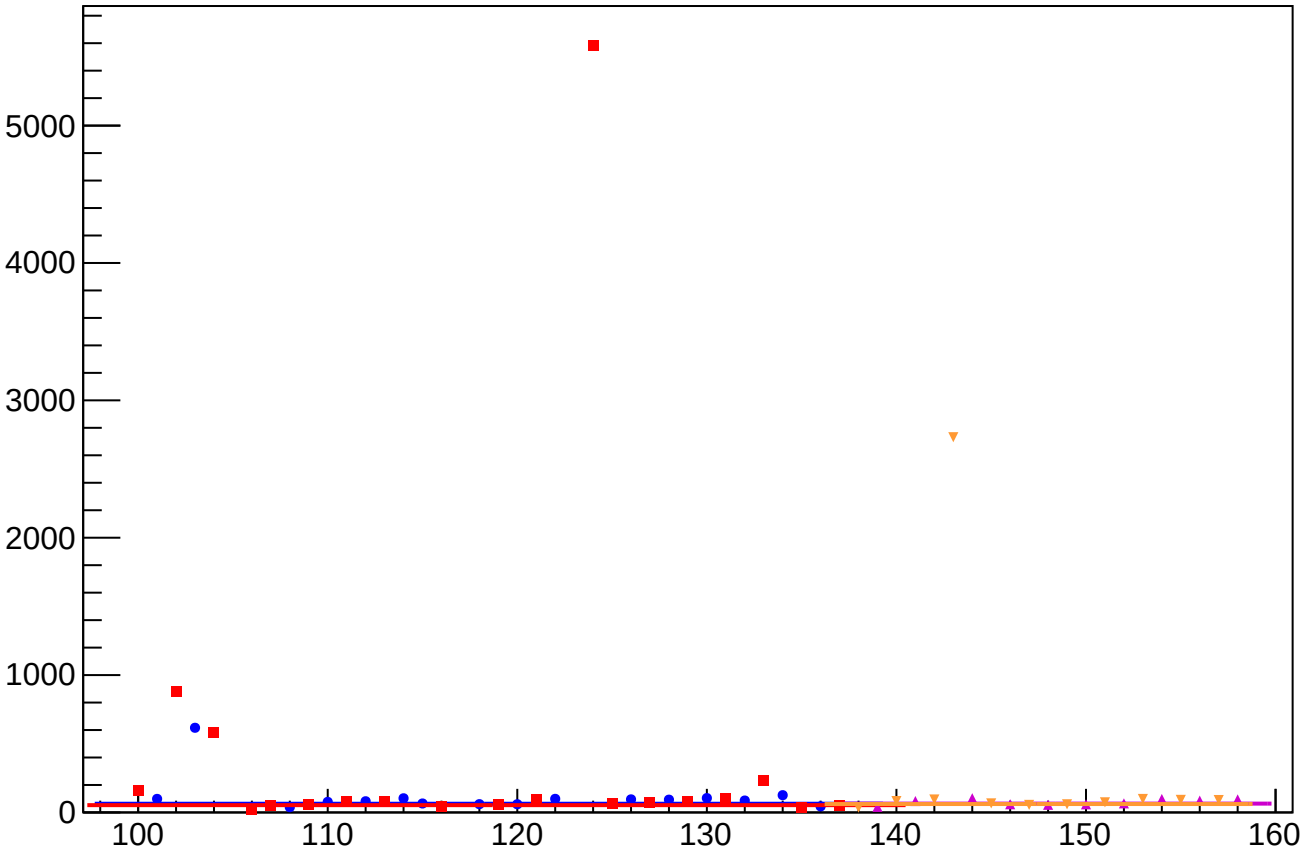
Left: 0.020+/-0.017 χ^2/NDF: 26.0/20

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.018 χ^2/NDF:19.4/25

Out: 0.047+/-0.017 χ^2/NDF:29.7/29

All: 0.023+/-0.012 χ^2/NDF: 53.2/55



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 61.259+/-0.017 χ^2/NDF:3113766.6/10

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 64.370+/-0.017 χ^2/NDF:1325205.4/9

Left: 62.833+/-0.012 χ^2/NDF: 4455715.1/20

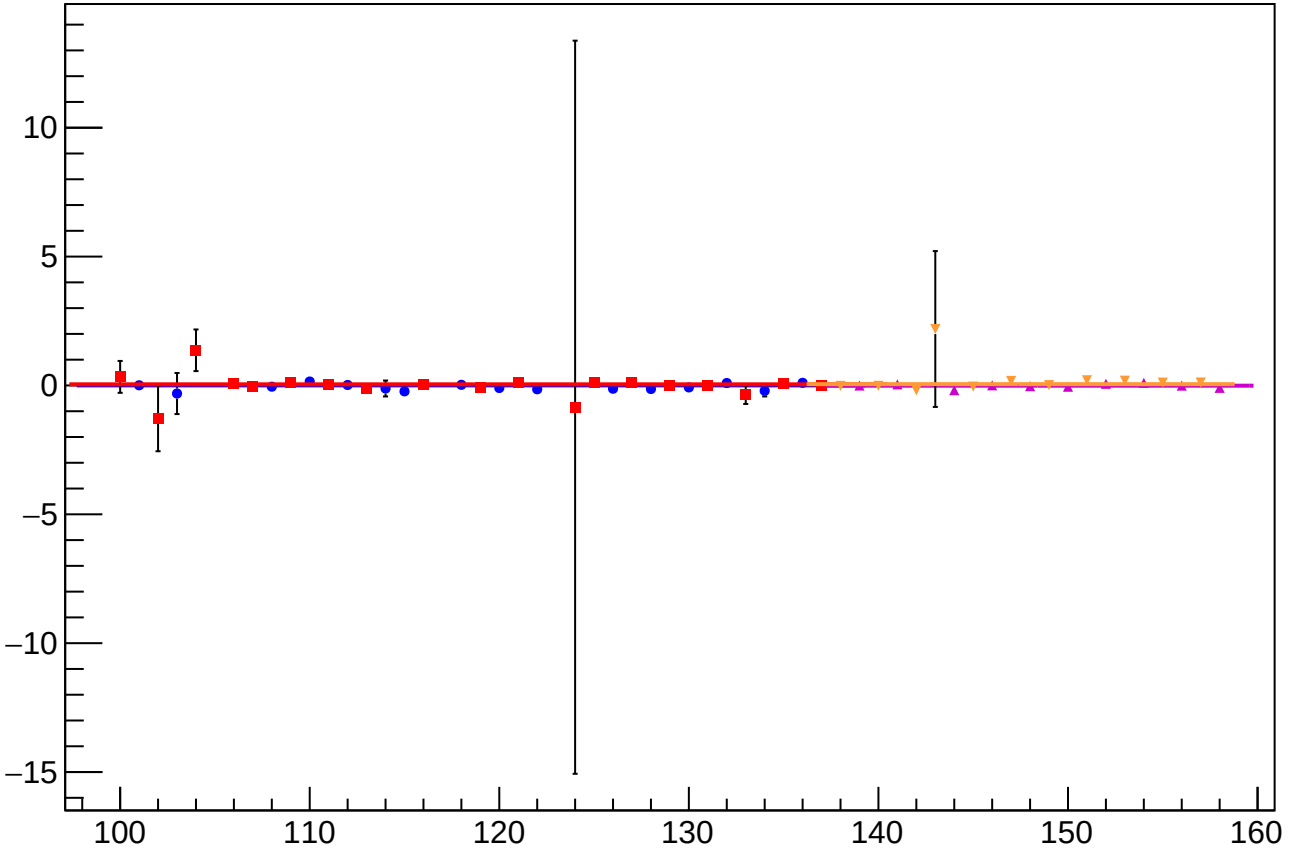
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.971+/-0.013 χ^2/NDF:3771739.9/25

Out: 57.338+/-0.012 χ^2/NDF:7167409.9/29

All: 60.537+/-0.009 χ^2/NDF: 11080448.7/55

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.009+/-0.024 χ^2/NDF:6.0/9

Left: 0.020+/-0.017 χ^2/NDF: 26.0/20

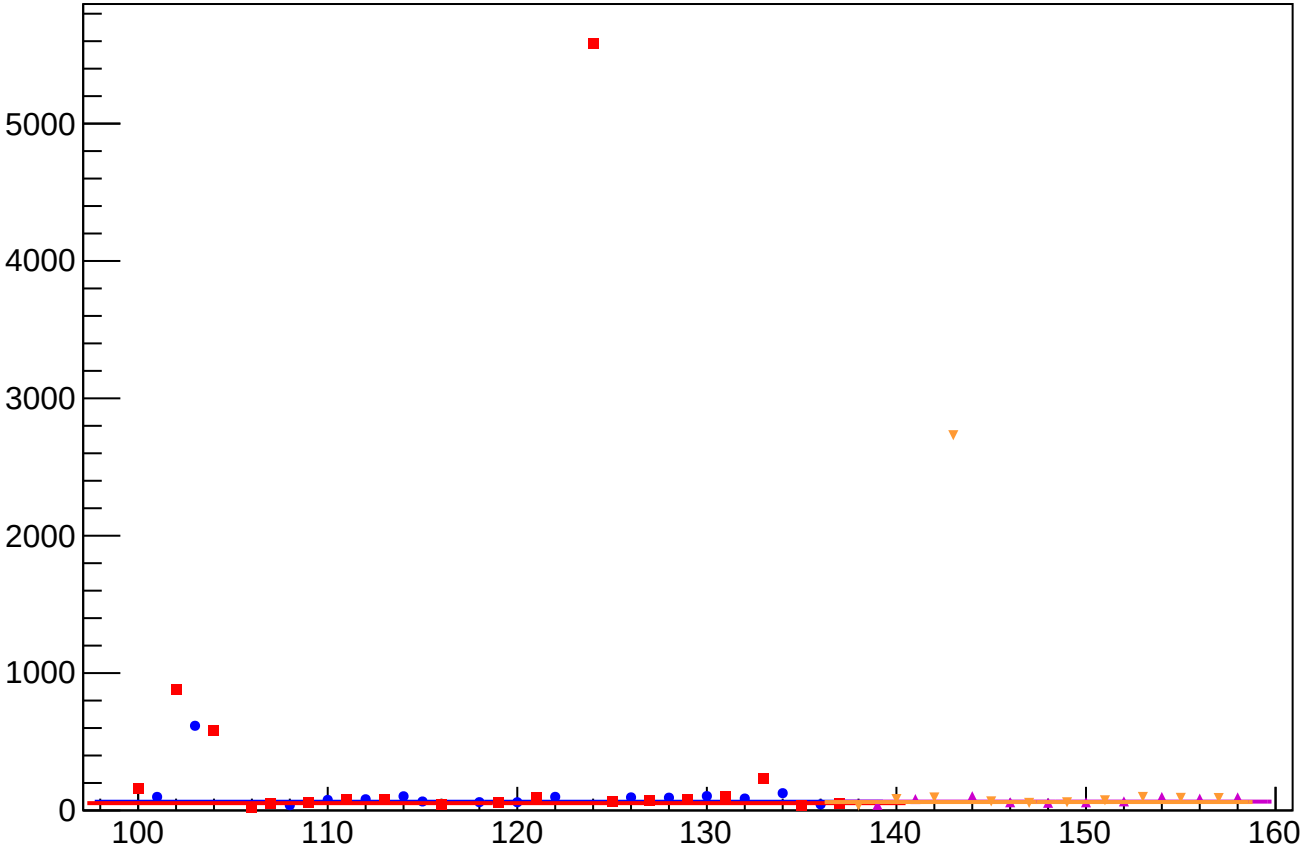
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.018 χ^2/NDF:19.4/25

Out: 0.047+/-0.017 χ^2/NDF:29.7/29

All: 0.023+/-0.012 χ^2/NDF: 53.2/55

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: 61.259+/-0.017 χ^2/NDF:3113766.6/10

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 64.370+/-0.017 χ^2/NDF:1325205.4/9

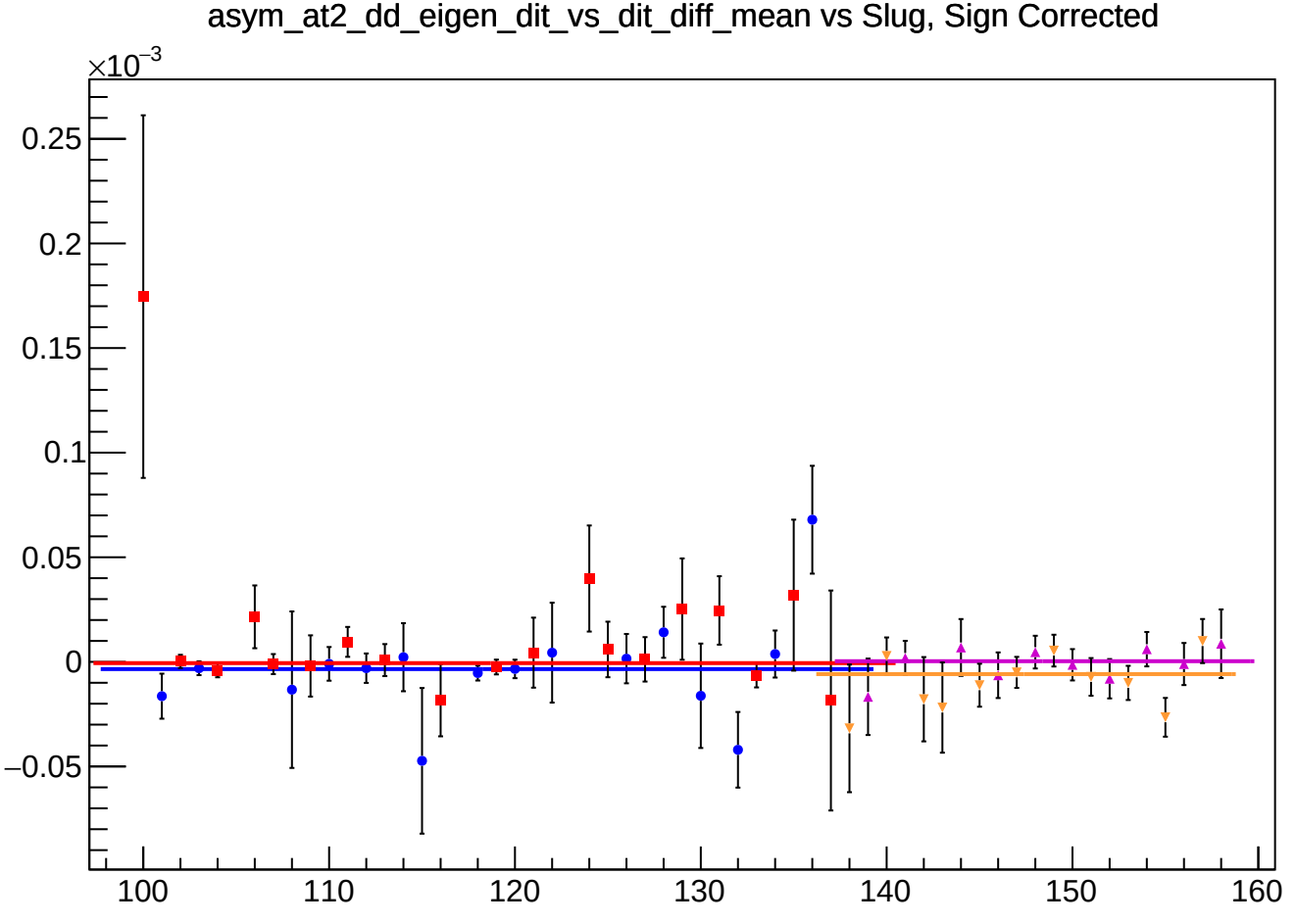
Left: 62.833+/-0.012 χ^2/NDF: 4455715.1/20

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 63.971+/-0.013 χ^2/NDF:3771739.9/25

Out: 57.338+/-0.012 χ^2/NDF:7167409.9/29

All: 60.537+/-0.009 χ^2/NDF: 11080448.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/9

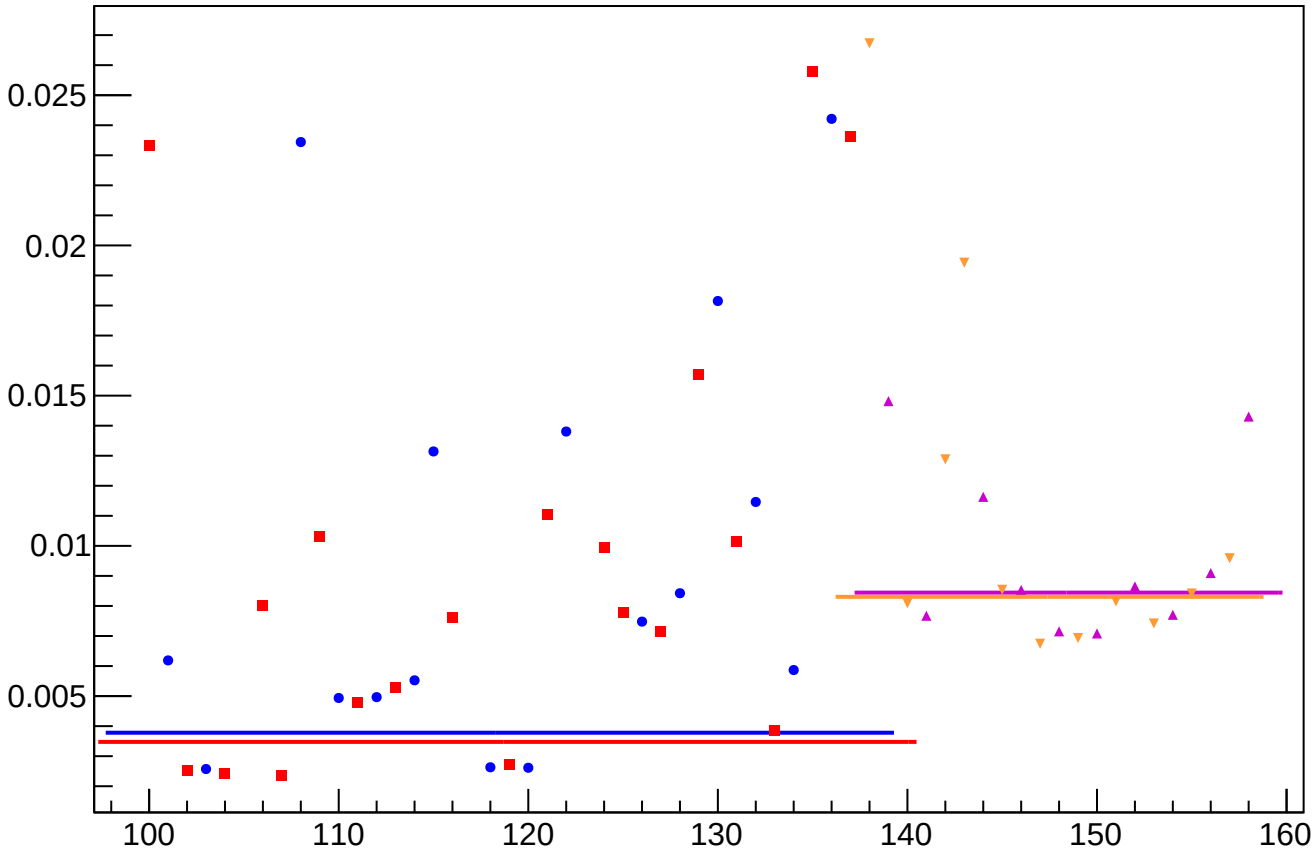
Left: -0.000+/-0.000 χ^2/NDF: 18.1/20

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:23.4/25

Out: -0.000+/-0.000 χ^2/NDF:34.1/29

All: -0.000+/-0.000 χ^2/NDF: 57.7/55



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:1574186.4/10

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:772932.3/9

Left: 0.008+/-0.000 χ^2/NDF: 2349256.0/20

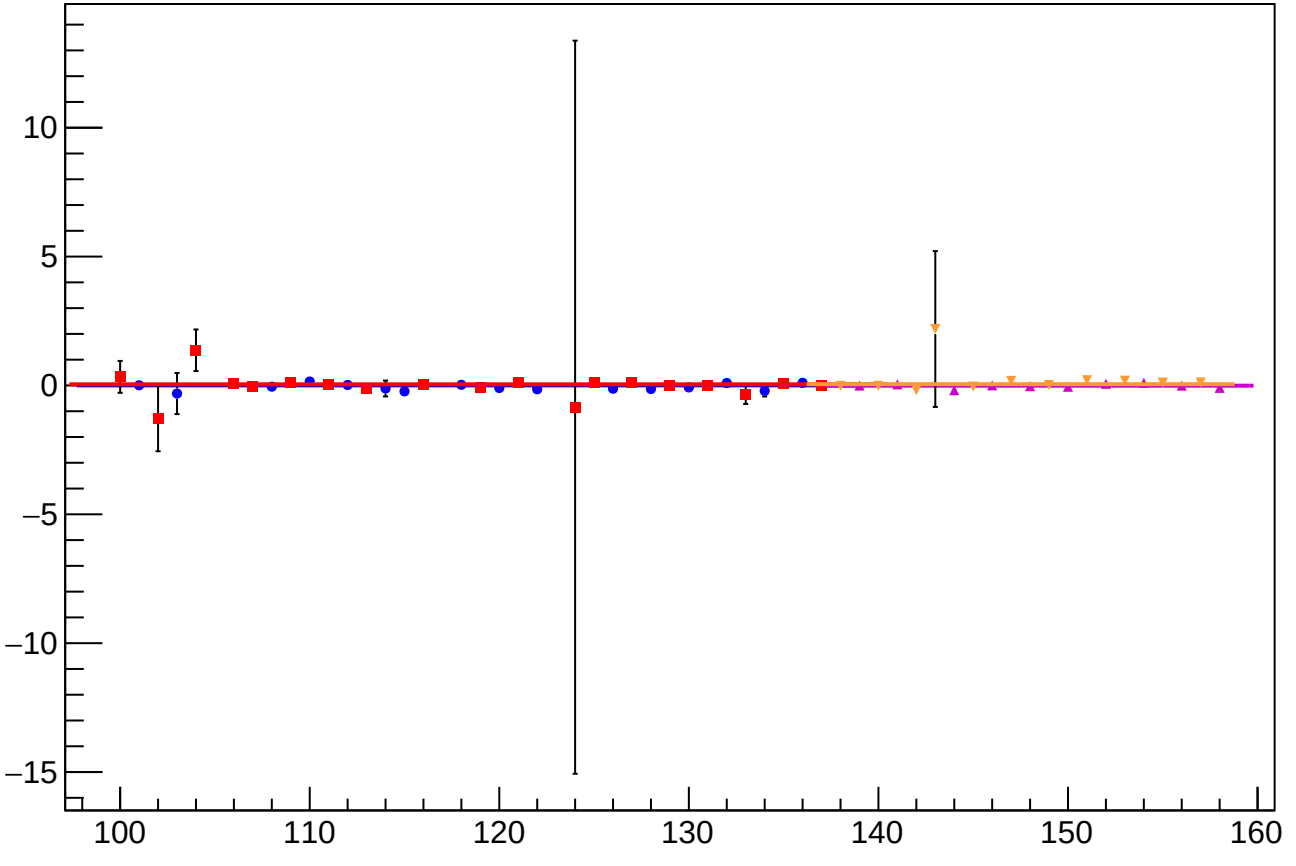
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:8890795.7/25

Out: 0.004+/-0.000 χ^2/NDF:10173168.6/29

All: 0.005+/-0.000 χ^2/NDF: 19181718.5/55

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: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.009+/-0.024 χ^2/NDF:6.0/9

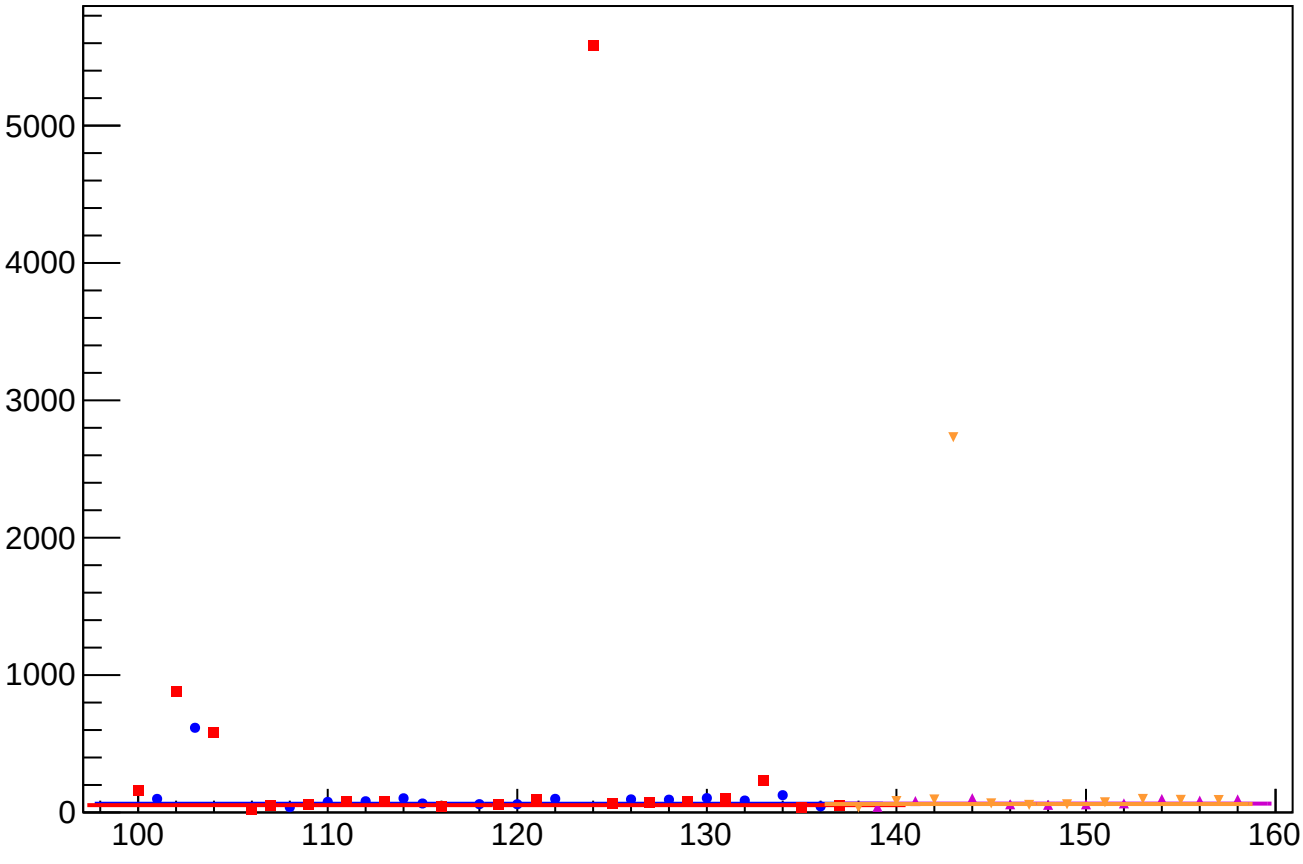
Left: 0.020+/-0.017 χ^2/NDF: 26.0/20

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.018 χ^2/NDF:19.4/25

Out: 0.047+/-0.017 χ^2/NDF:29.7/29

All: 0.023+/-0.012 χ^2/NDF: 53.2/55



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 61.256+/-0.017 χ^2/NDF:3113814.0/10

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 64.374+/-0.017 χ^2/NDF:1324823.3/9

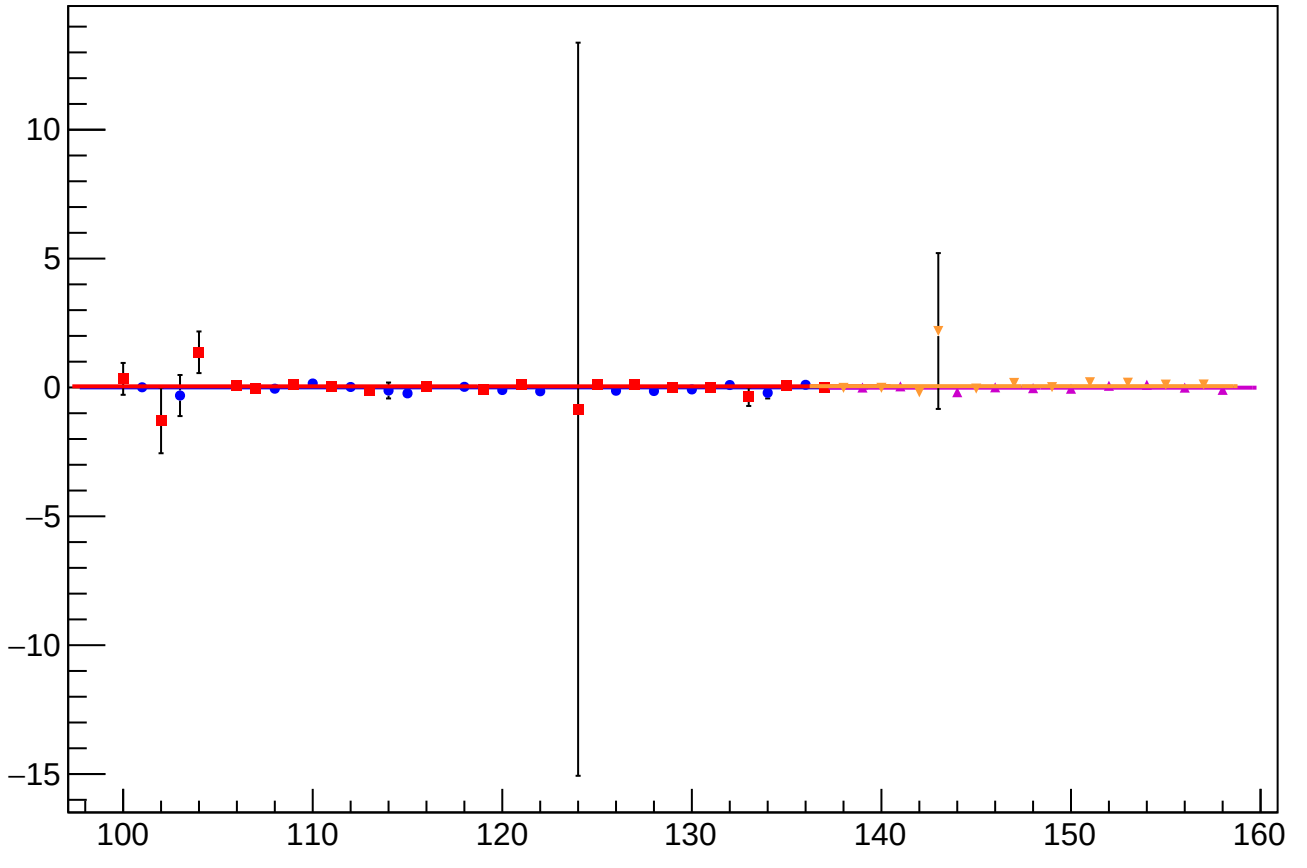
Left: 62.834+/-0.012 χ^2/NDF: 4455439.8/20

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.977+/-0.013 χ^2/NDF:3770444.7/25

Out: 57.334+/-0.012 χ^2/NDF:7168096.4/29

All: 60.537+/-0.009 χ^2/NDF: 11080243.4/55



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.009+/-0.024 χ^2/NDF:6.0/9

Left: 0.020+/-0.017 χ^2/NDF: 26.0/20

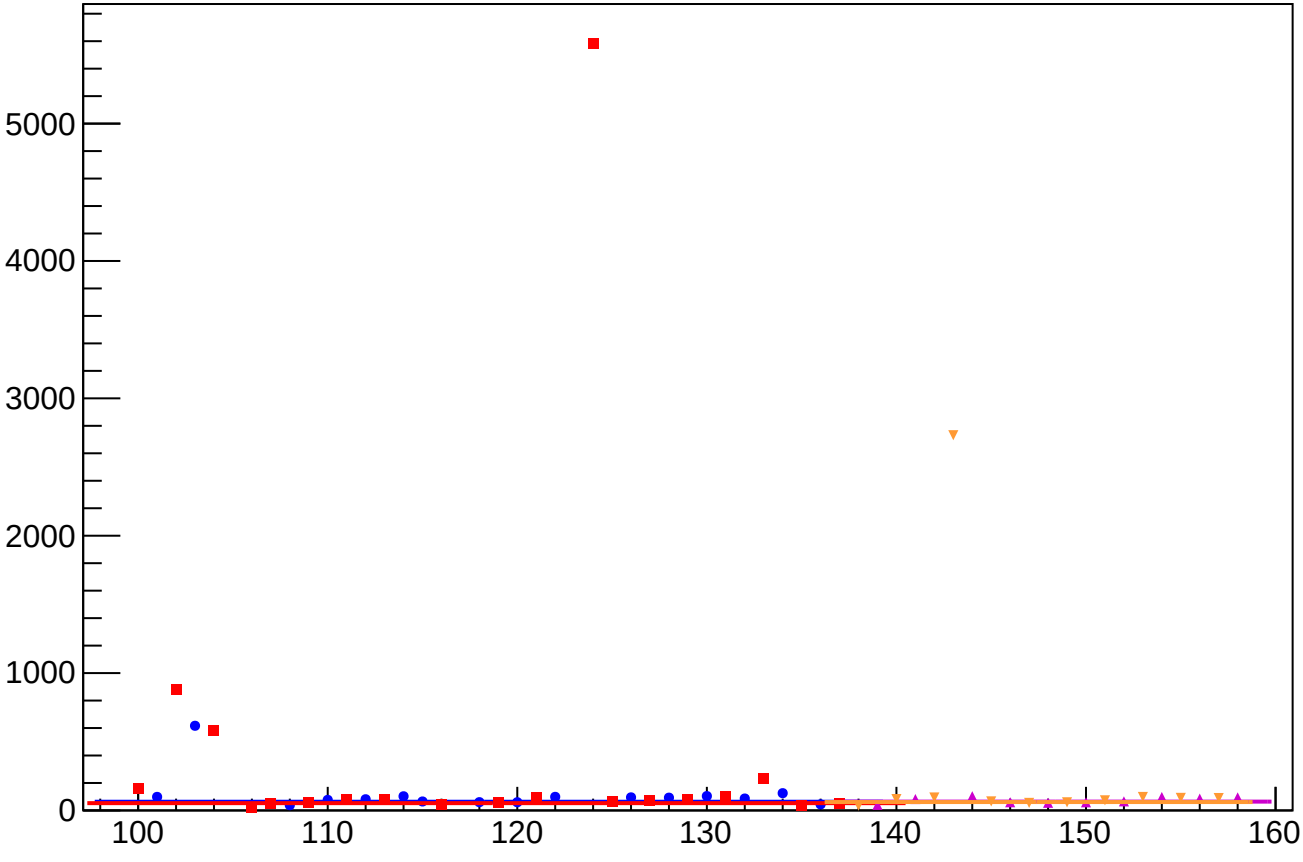
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.018 χ^2/NDF:19.4/25

Out: 0.047+/-0.017 χ^2/NDF:29.7/29

All: 0.023+/-0.012 χ^2/NDF: 53.2/55

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: 61.256+/-0.017 χ^2/NDF:3113814.0/10

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 64.374+/-0.017 χ^2/NDF:1324823.3/9

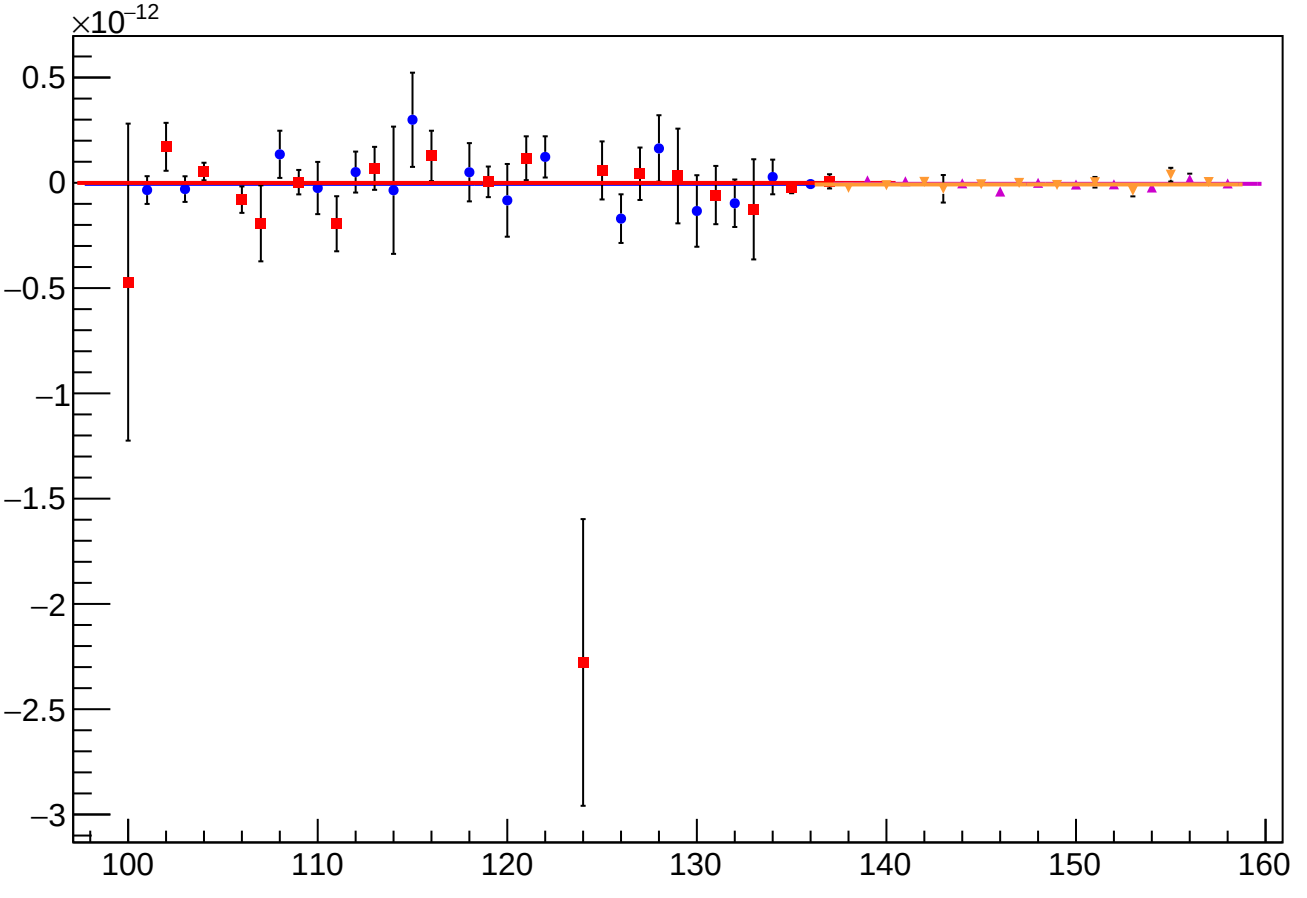
Left: 62.834+/-0.012 χ^2/NDF: 4455439.8/20

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 63.977+/-0.013 χ^2/NDF:3770444.7/25

Out: 57.334+/-0.012 χ^2/NDF:7168096.4/29

All: 60.537+/-0.009 χ^2/NDF: 11080243.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/9

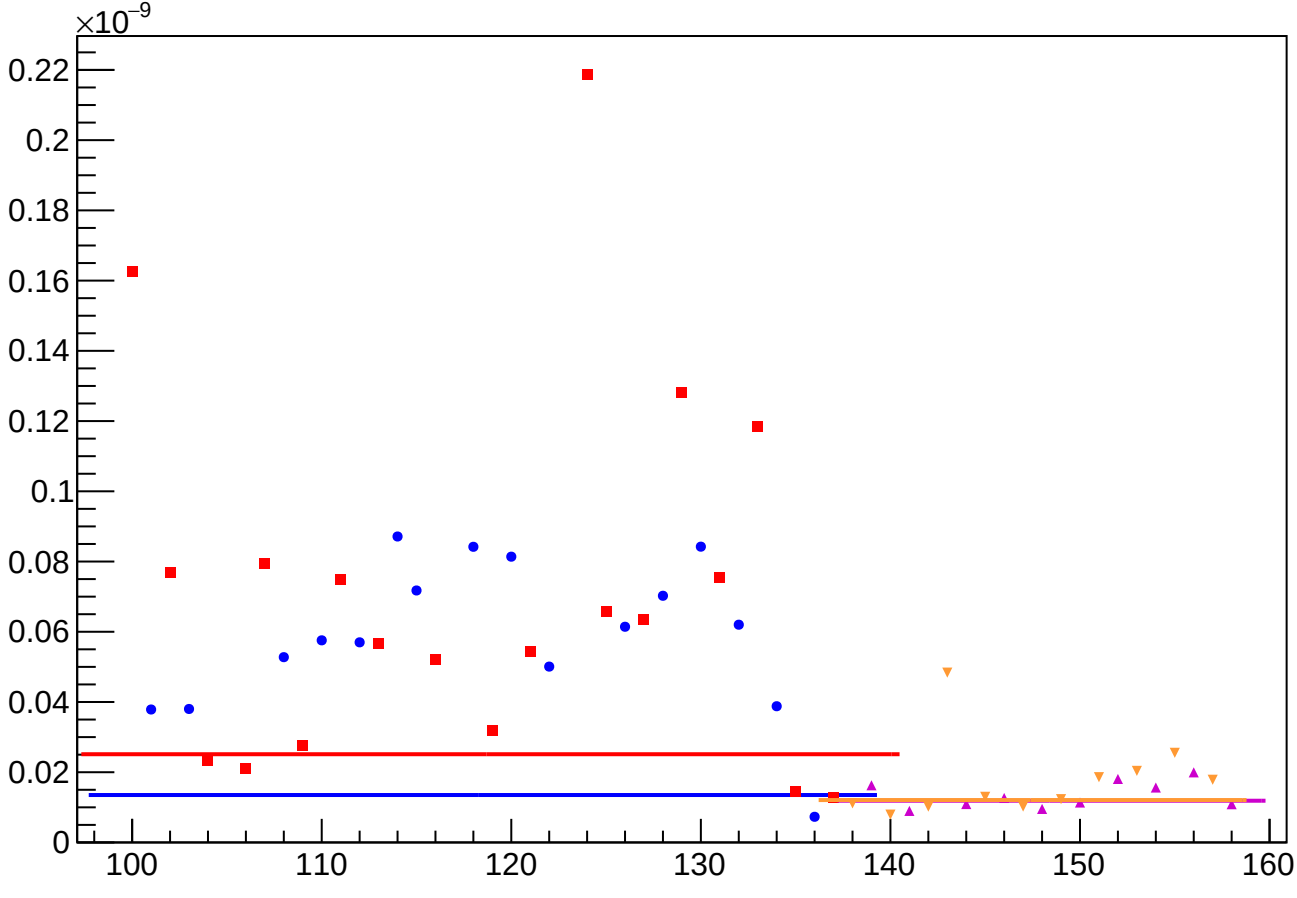
Left: -0.000+/-0.000 χ^2/NDF: 14.1/20

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:19.2/25

Out: -0.000+/-0.000 χ^2/NDF:30.9/29

All: -0.000+/-0.000 χ^2/NDF: 50.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1787969.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:680650.7/9

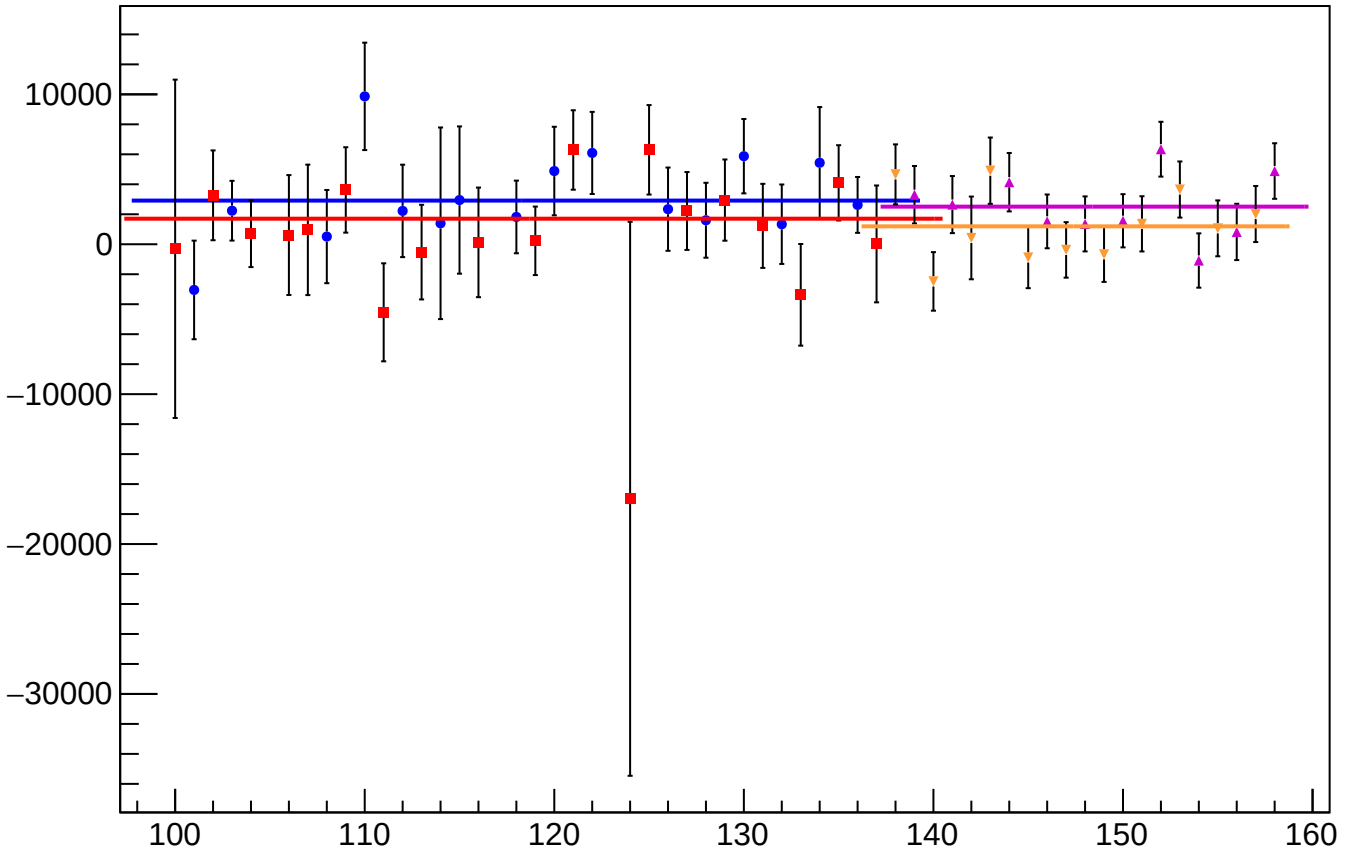
Left: 0.000+/-0.000 χ^2/NDF: 2469888.4/20

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5714116.1/25

Out: 0.000+/-0.000 χ^2/NDF:6701045.9/29

All: 0.000+/-0.000 χ^2/NDF: 12492038.0/55



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.204+/-594.788 χ^2/NDF:14.1/10

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2509.039+/-585.662 χ^2/NDF:12.6/9

Left: 1862.277+/-417.315 χ^2/NDF: 29.3/20

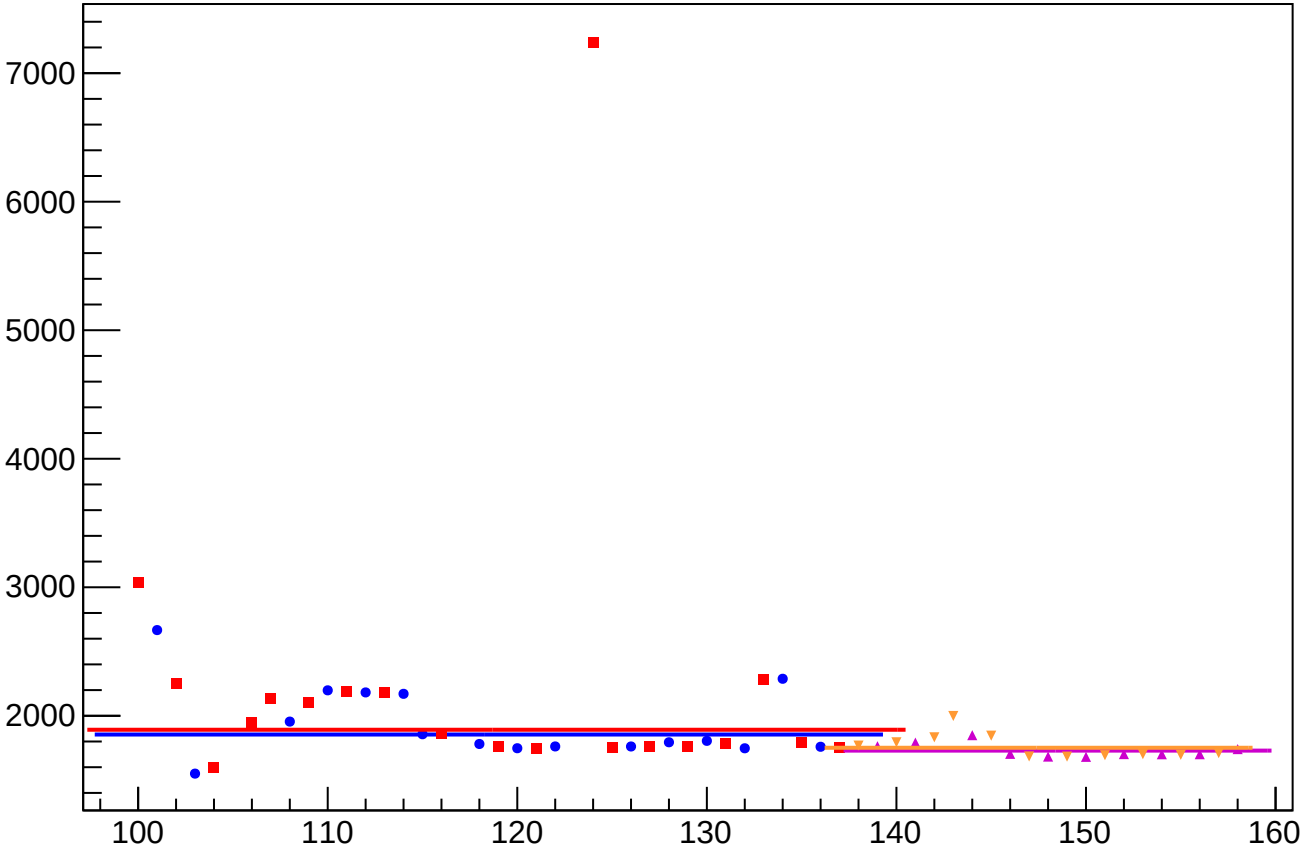
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2676.759+/-447.869 χ^2/NDF:25.3/25

Out: 1406.496+/-455.103 χ^2/NDF:30.3/29

All: 2051.803+/-319.218 χ^2/NDF: 59.5/55

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1751.261+/-0.421 χ^2/NDF:43640.0/10

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

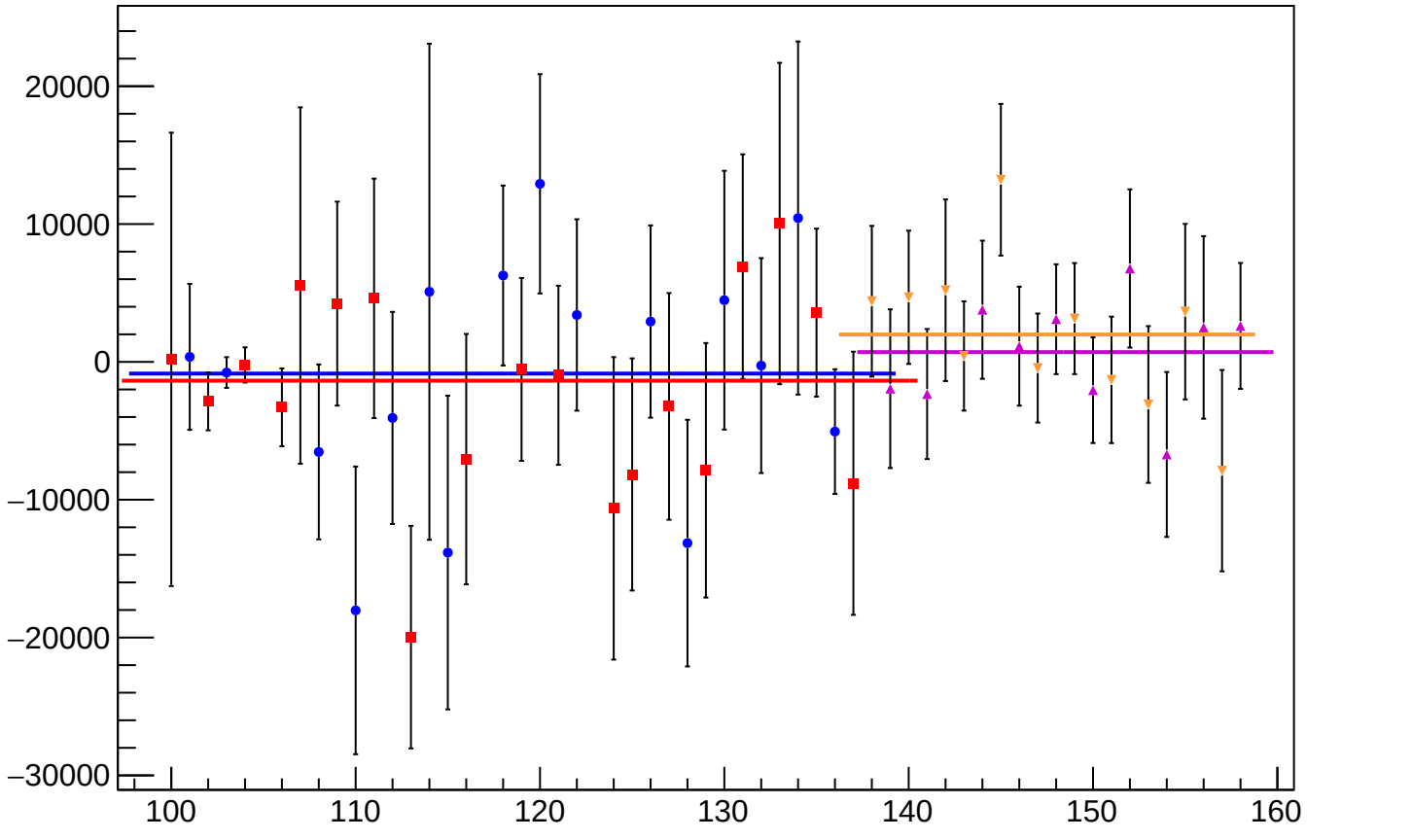
Left: 1740.040+/-0.295 χ^2/NDF: 60042.3/20

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1781.124+/-0.317 χ^2/NDF:316243.2/25

Out: 1809.541+/-0.321 χ^2/NDF:453885.8/29

All: 1795.119+/-0.226 χ^2/NDF: 774094.2/55



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 1986.976+/-1501.754 χ^2/NDF:8.7/10

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 709.796+/-1527.521 χ^2/NDF:4.8/9

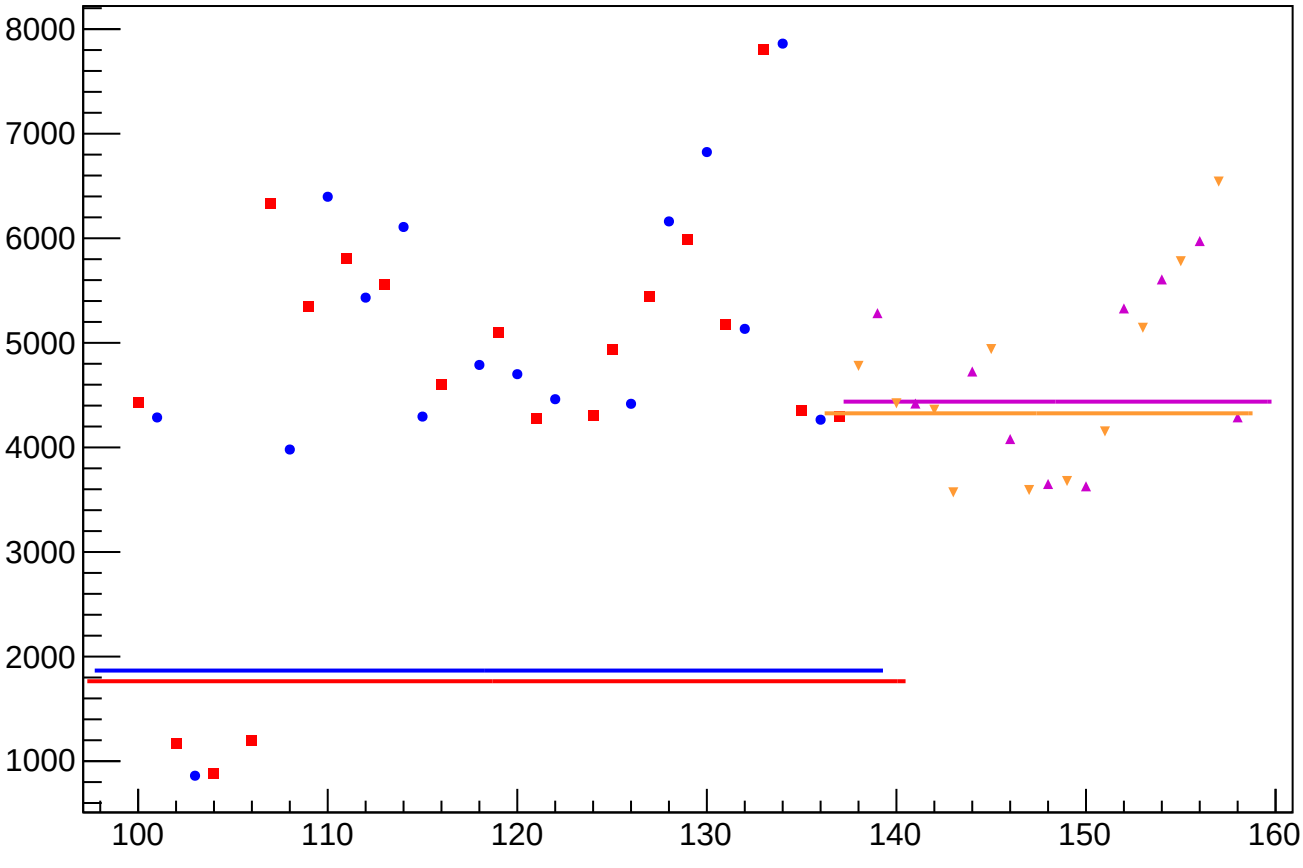
Left: 1359.249+/-1070.894 χ^2/NDF: 13.9/20

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -404.985+/-814.578 χ^2/NDF:19.4/25

Out: -453.652+/-781.962 χ^2/NDF:26.4/29

All: -430.313+/-564.109 χ^2/NDF: 45.8/55



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4326.188+/-1.062 χ^2/NDF:565399.1/10

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4437.801+/-1.080 χ^2/NDF:465127.0/9

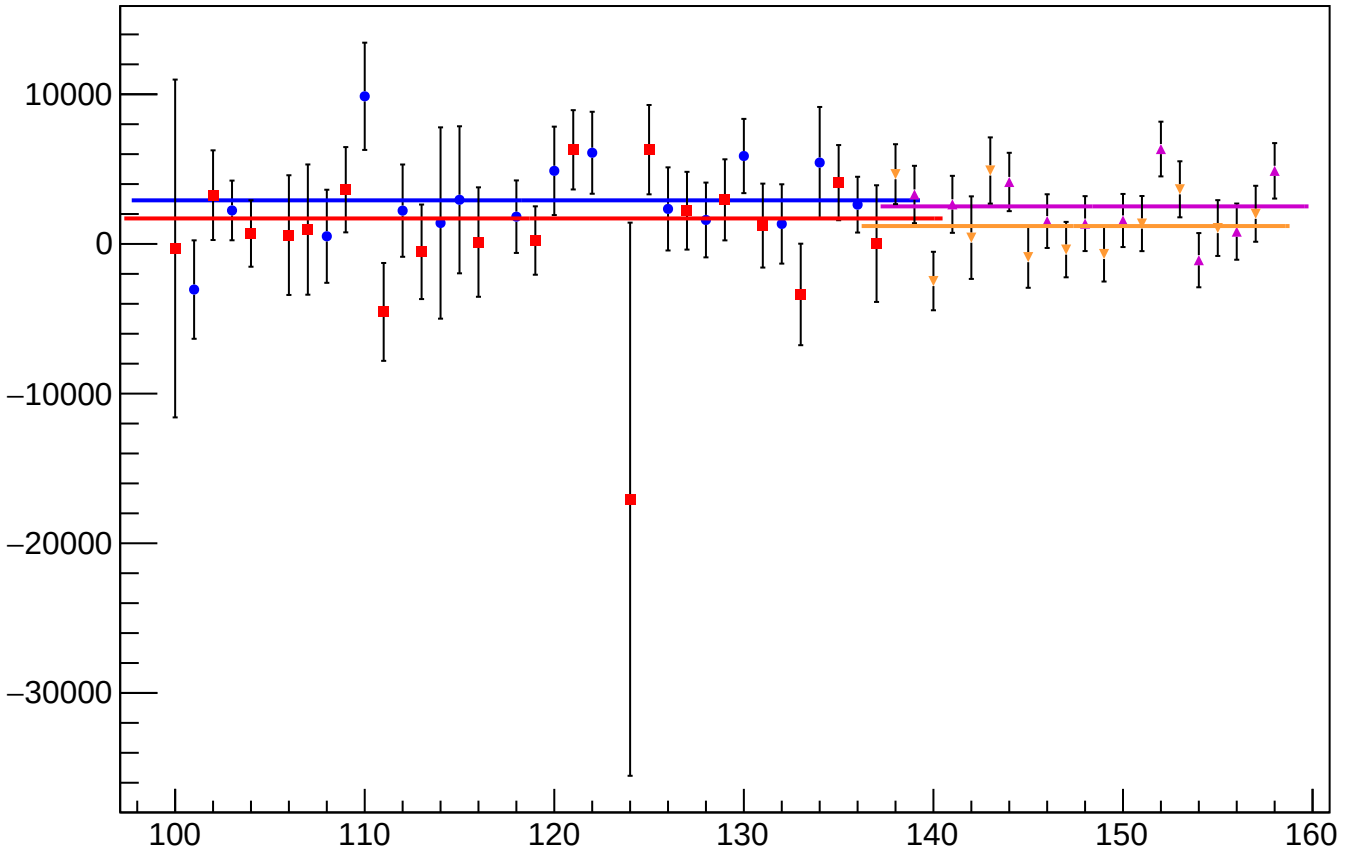
Left: 4381.045+/-0.757 χ^2/NDF: 1035955.9/20

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2597.646+/-0.576 χ^2/NDF:11370591.8/25

Out: 2458.885+/-0.553 χ^2/NDF:11242598.5/29

All: 2525.432+/-0.399 χ^2/NDF: 22643393.5/5



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.041+/-594.788 χ^2/NDF:14.1/10

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2509.191+/-585.662 χ^2/NDF:12.6/9

Left: 1862.275+/-417.315 χ^2/NDF: 29.3/20

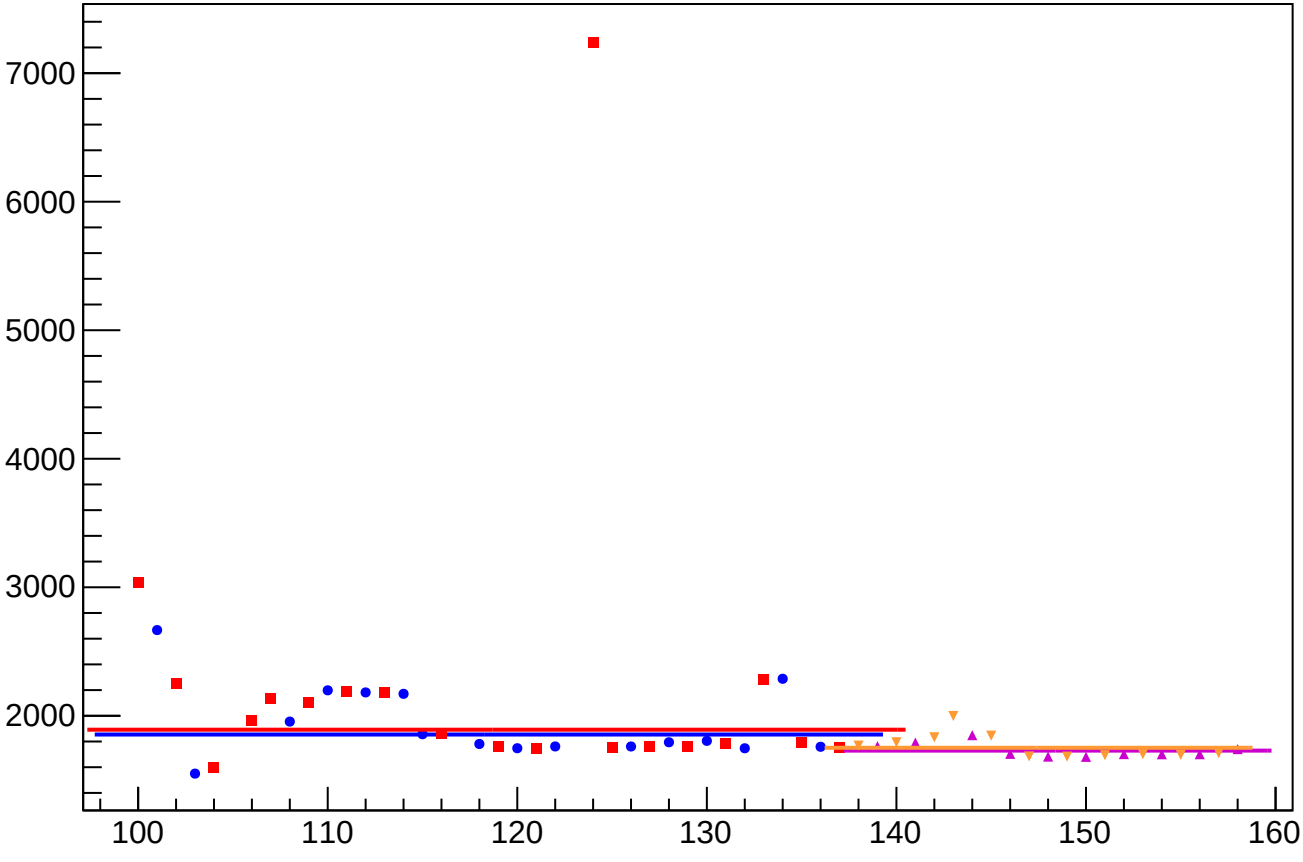
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2676.890+/-447.869 χ^2/NDF:25.3/25

Out: 1405.828+/-455.103 χ^2/NDF:30.3/29

All: 2051.541+/-319.218 χ^2/NDF: 59.5/55

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1751.261+/-0.421 χ^2/NDF:43640.0/10

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

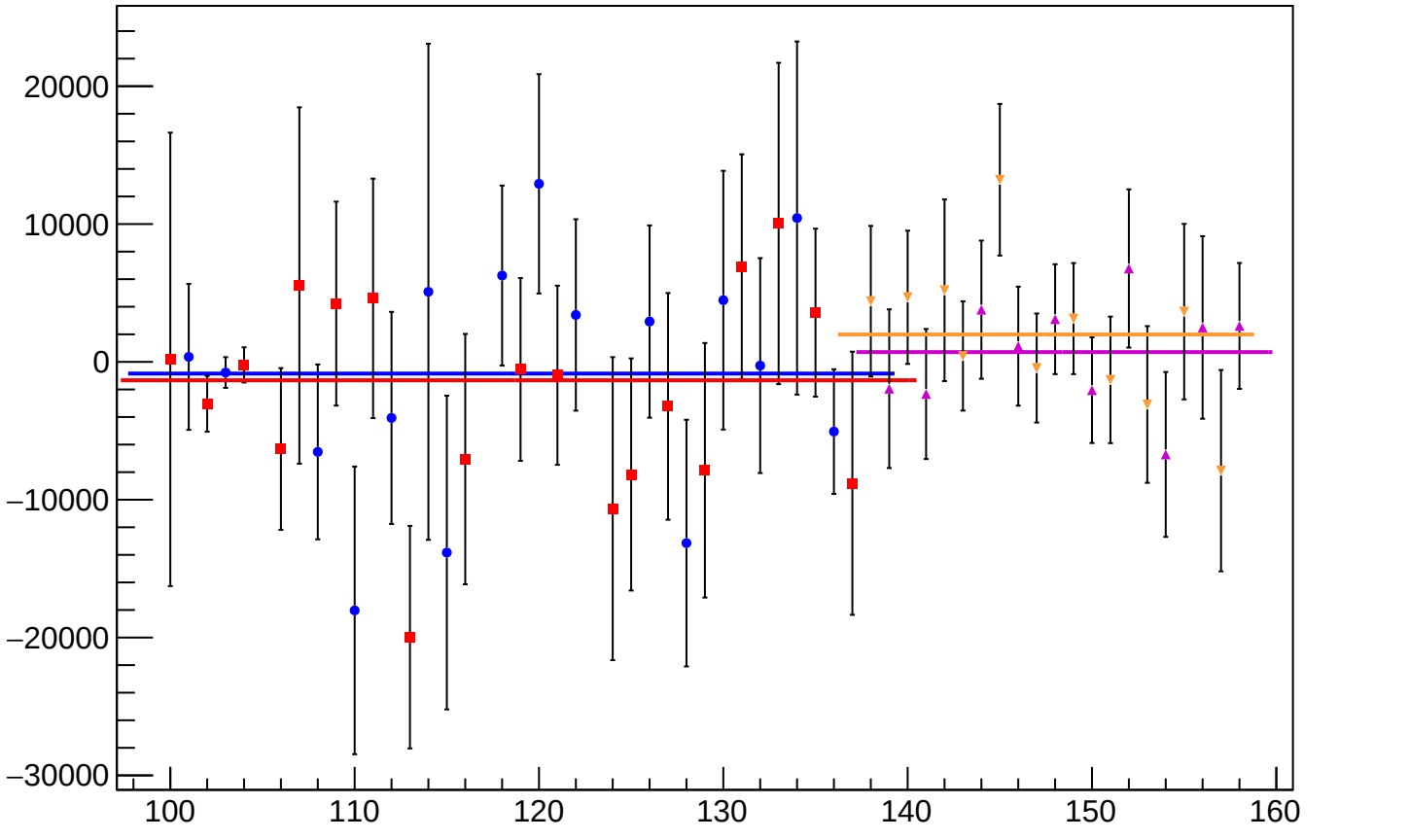
Left: 1740.040+/-0.295 χ^2/NDF: 60042.3/20

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1781.124+/-0.317 χ^2/NDF:316243.1/25

Out: 1809.716+/-0.322 χ^2/NDF:454417.5/29

All: 1795.204+/-0.226 χ^2/NDF: 774674.5/55



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1986.844+/-1501.752 χ^2/NDF:8.7/10

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 709.929+/-1527.520 χ^2/NDF:4.8/9

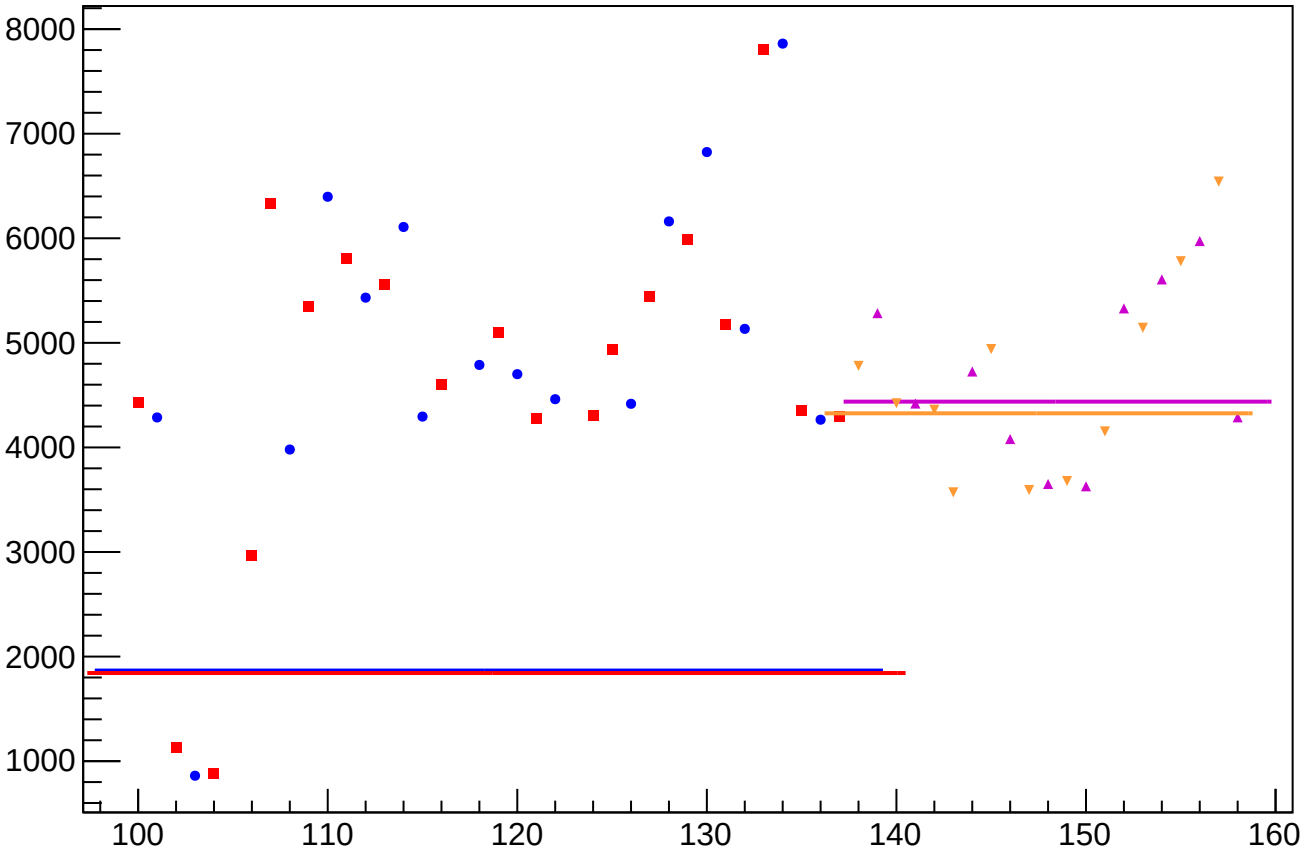
Left: 1359.248+/-1070.893 χ^2/NDF: 13.9/20

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -404.644+/-814.546 χ^2/NDF:19.4/25

Out: -385.632+/-801.736 χ^2/NDF:26.7/29

All: -394.987+/-571.388 χ^2/NDF: 46.1/55



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4326.182+/-1.062 χ^2/NDF:565410.8/10

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4437.799+/-1.080 χ^2/NDF:465135.6/9

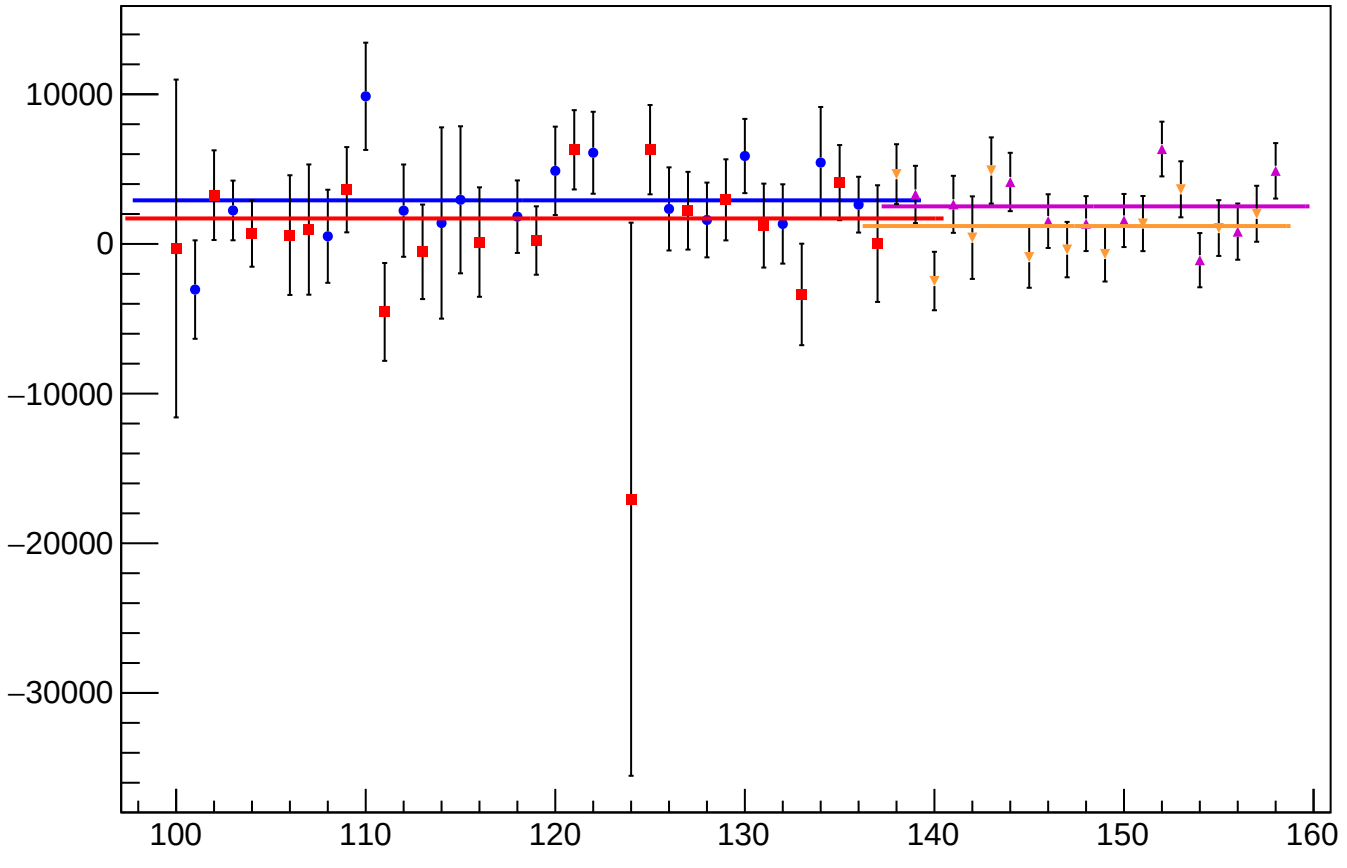
Left: 4381.041+/-0.757 χ^2/NDF: 1035976.6/20

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2597.478+/-0.576 χ^2/NDF:11371629.4/25

Out: 2550.659+/-0.567 χ^2/NDF:10933981.0/29

All: 2573.697+/-0.404 χ^2/NDF: 22308966.5/5



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.041+/-594.788 χ^2/NDF:14.1/10

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2509.191+/-585.662 χ^2/NDF:12.6/9

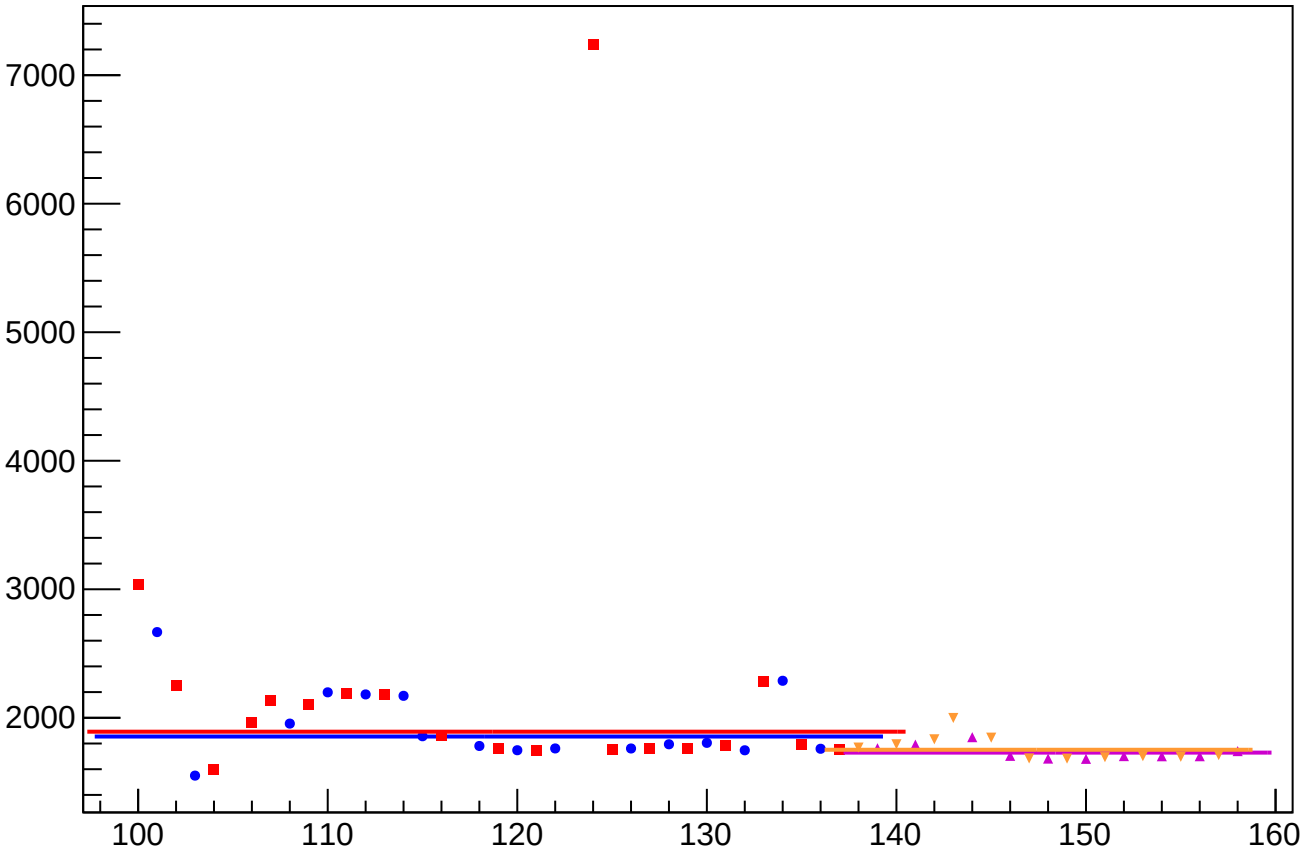
Left: 1862.275+/-417.315 χ^2/NDF: 29.3/20

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2676.890+/-447.869 χ^2/NDF:25.3/25

Out: 1405.828+/-455.103 χ^2/NDF:30.3/29

All: 2051.541+/-319.218 χ^2/NDF: 59.5/55



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1751.261+/-0.421 χ^2/NDF:43640.0/10

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

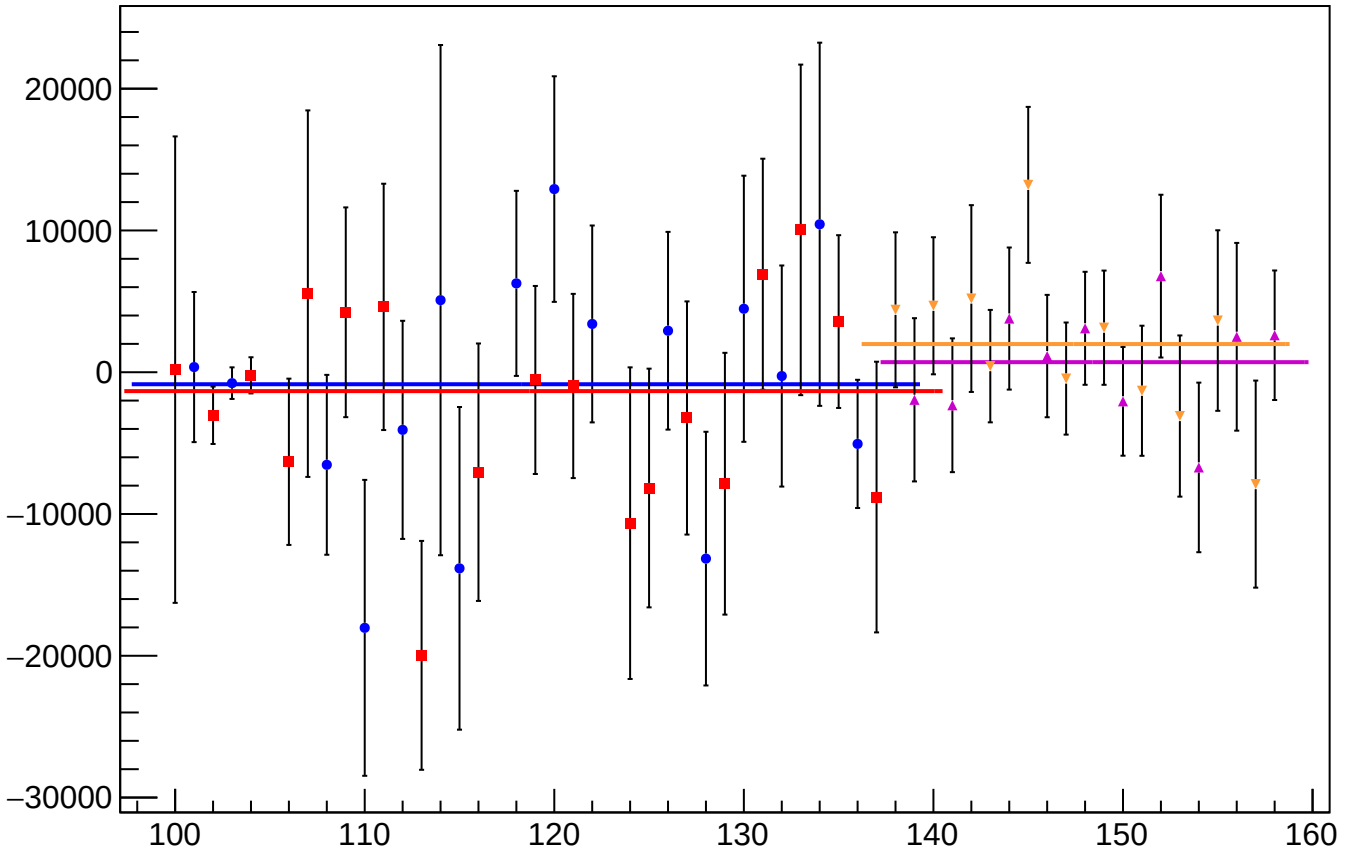
Left: 1740.040+/-0.295 χ^2/NDF: 60042.3/20

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1781.124+/-0.317 χ^2/NDF:316243.1/25

Out: 1809.716+/-0.322 χ^2/NDF:454417.5/29

All: 1795.204+/-0.226 χ^2/NDF: 774674.5/55



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1986.844+/-1501.752 χ^2/NDF:8.7/10

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 709.929+/-1527.520 χ^2/NDF:4.8/9

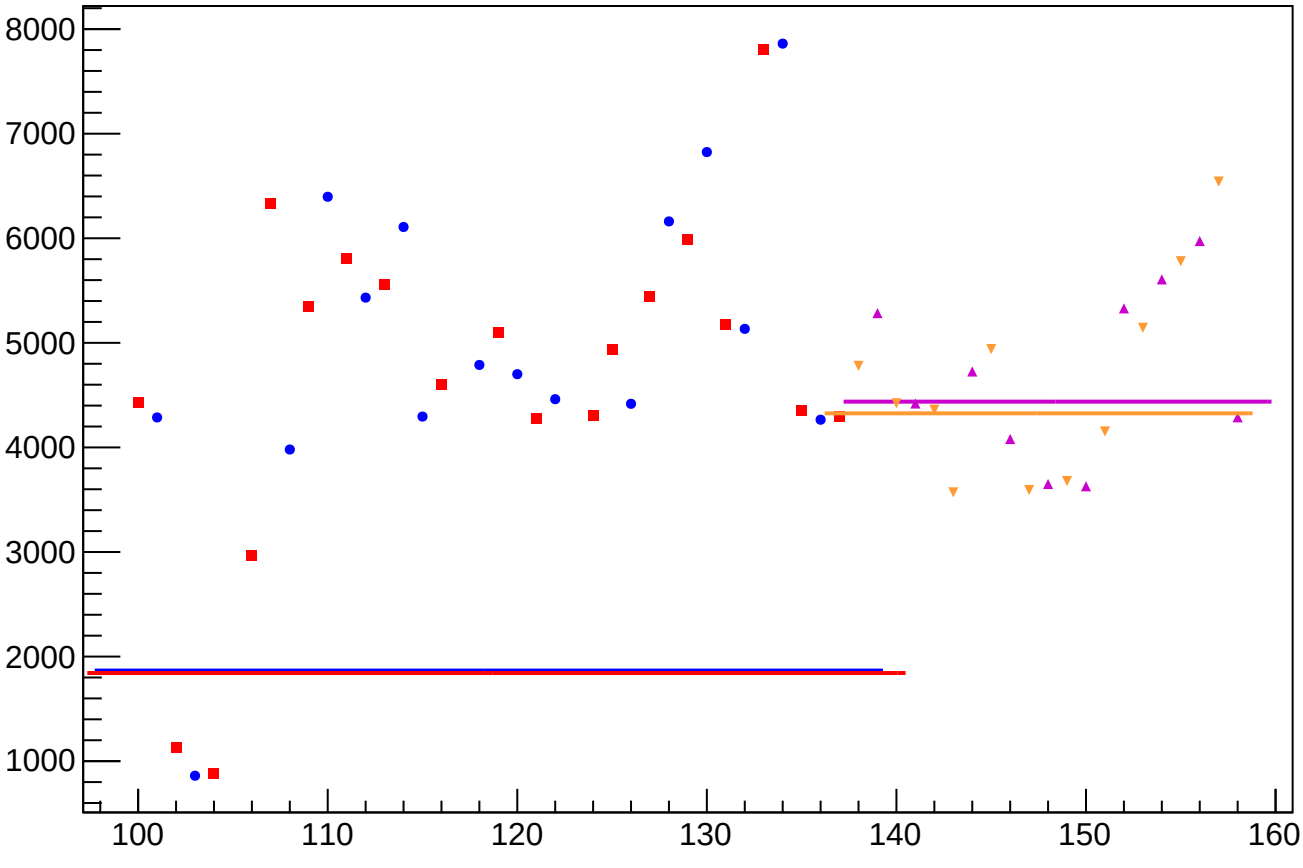
Left: 1359.248+/-1070.893 χ^2/NDF: 13.9/20

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -404.644+/-814.546 χ^2/NDF:19.4/25

Out: -385.632+/-801.736 χ^2/NDF:26.7/29

All: -394.987+/-571.388 χ^2/NDF: 46.1/55



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4326.182+/-1.062 χ^2/NDF:565410.8/10

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4437.799+/-1.080 χ^2/NDF:465135.6/9

Left: 4381.041+/-0.757 χ^2/NDF: 1035976.6/20

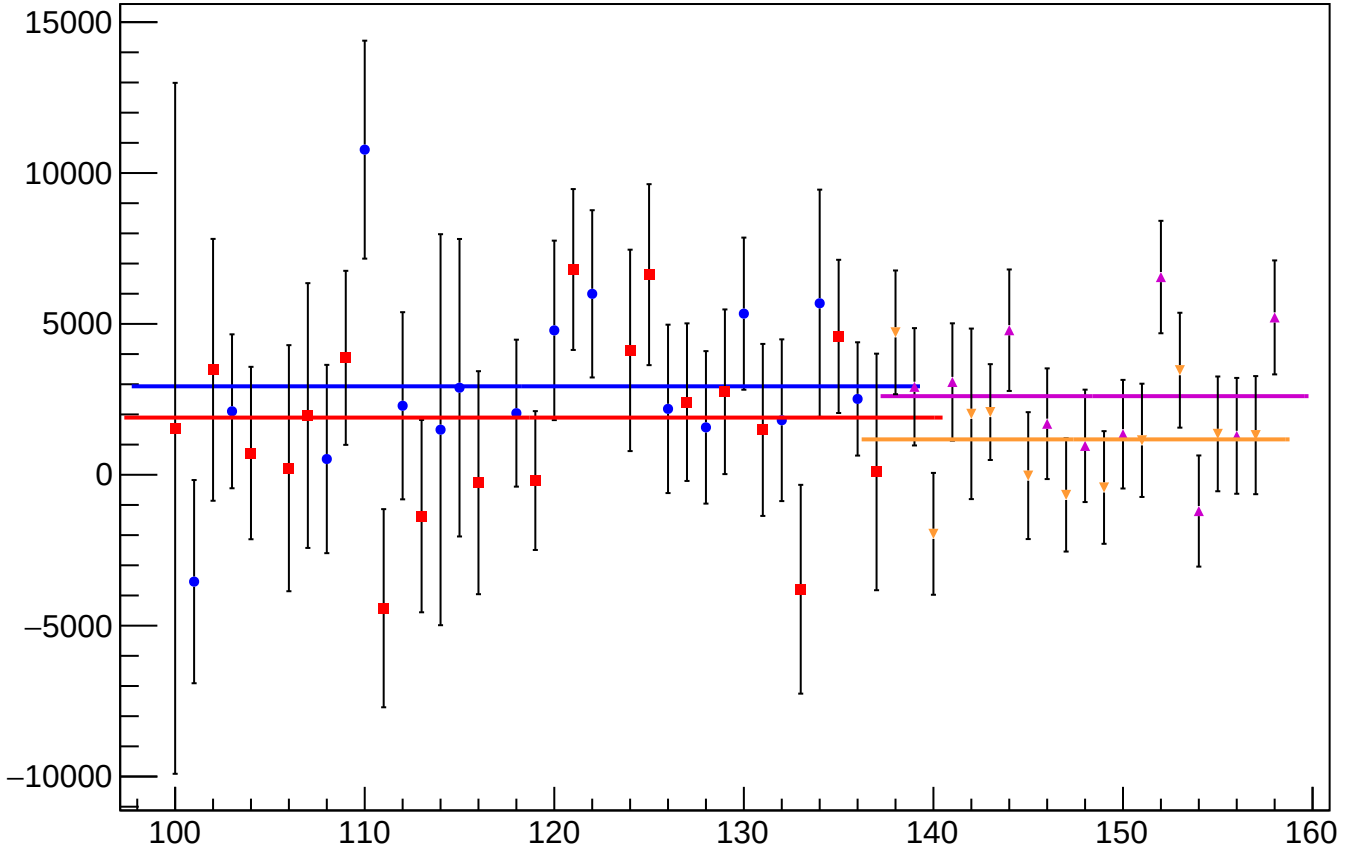
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2597.478+/-0.576 χ^2/NDF:11371629.4/25

Out: 2550.659+/-0.567 χ^2/NDF:10933981.0/29

All: 2573.697+/-0.404 χ^2/NDF: 22308966.5/5

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1173.087+/-587.261 χ^2/NDF:9.3/10

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2605.577+/-597.069 χ^2/NDF:13.9/9

Left: 1877.471+/-418.681 χ^2/NDF: 26.1/20

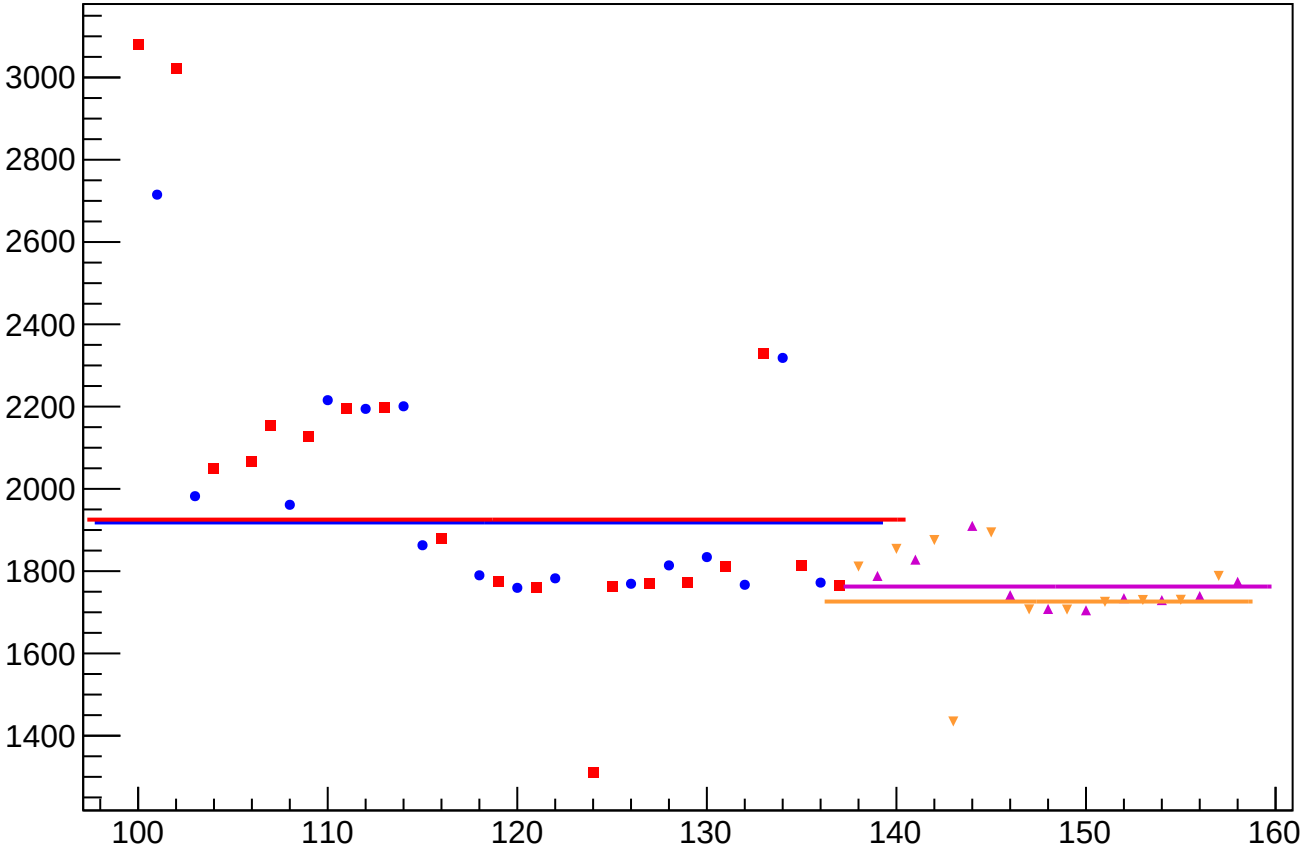
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2738.829+/-459.158 χ^2/NDF:27.0/25

Out: 1460.751+/-455.574 χ^2/NDF:27.3/29

All: 2094.782+/-323.399 χ^2/NDF: 58.2/55

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.127+/-0.415 χ^2/NDF:99734.8/10

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1762.575+/-0.422 χ^2/NDF:18843.9/9

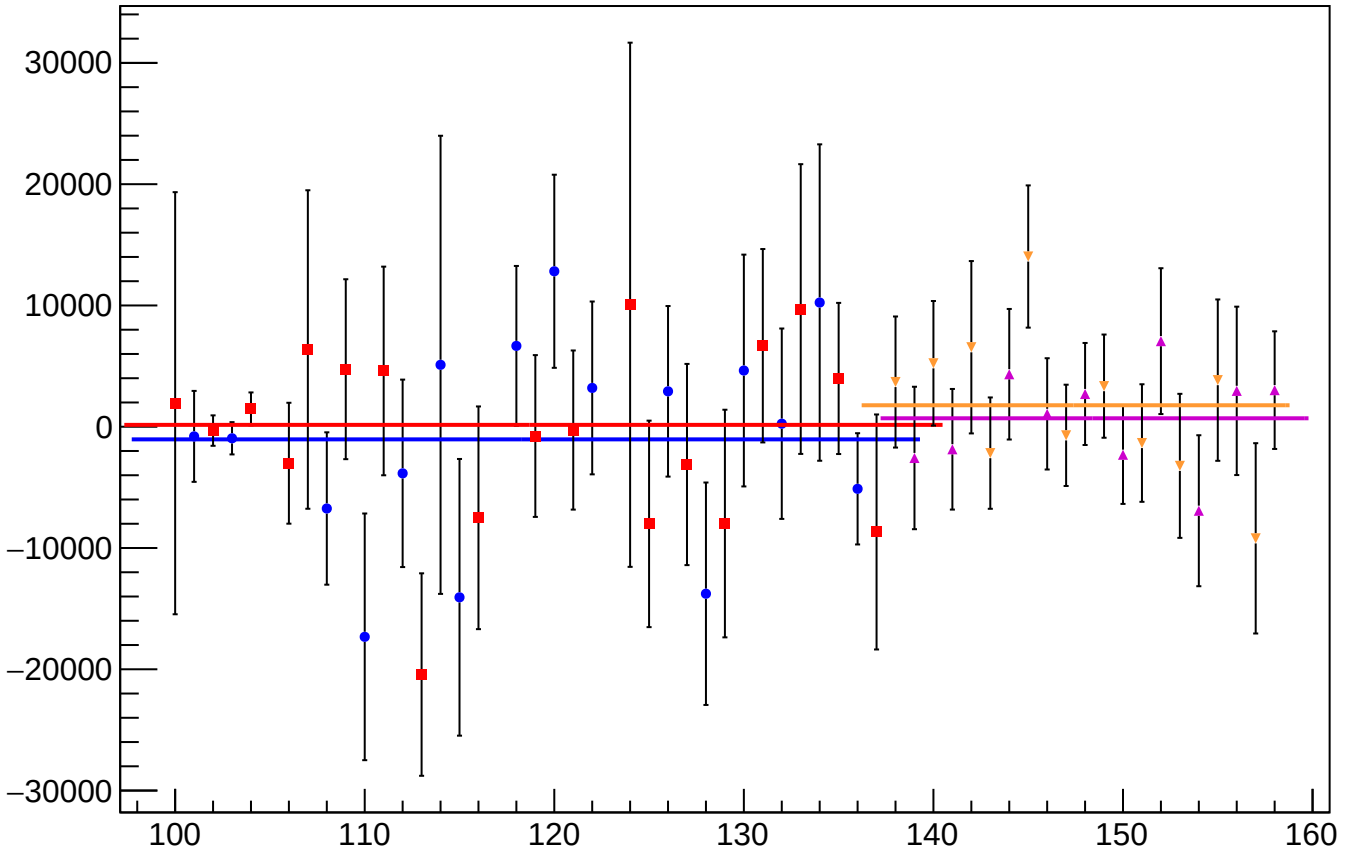
Left: 1744.049+/-0.296 χ^2/NDF: 122367.0/20

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1826.233+/-0.325 χ^2/NDF:290075.3/25

Out: 1805.499+/-0.322 χ^2/NDF:530490.2/29

All: 1815.782+/-0.229 χ^2/NDF: 822621.2/55



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 1770.642+/-1599.608 χ^2/NDF:9.8/10

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 696.338+/-1610.681 χ^2/NDF:4.8/9

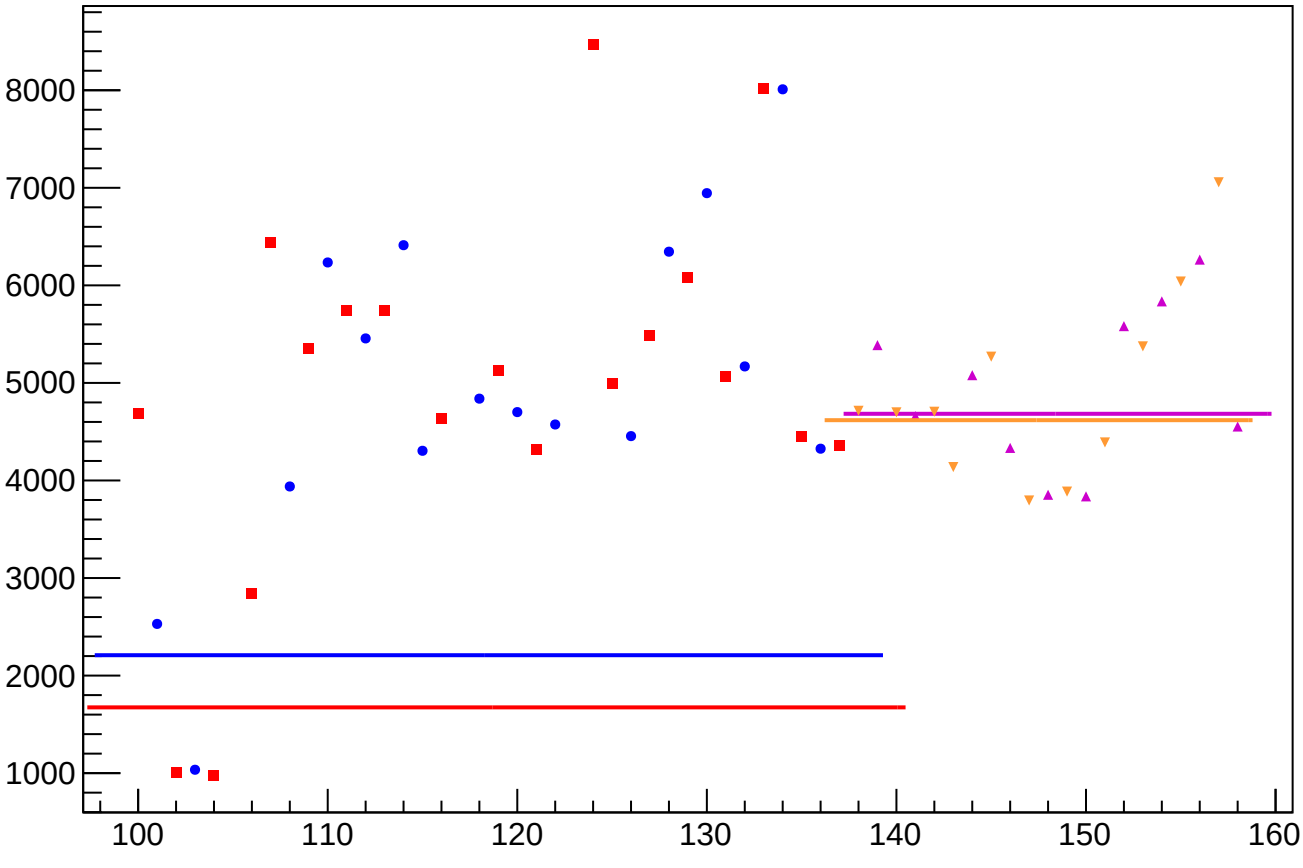
Left: 1237.195+/-1134.988 χ^2/NDF: 14.8/20

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -508.015+/-892.649 χ^2/NDF:19.4/25

Out: 500.312+/-740.675 χ^2/NDF:24.3/29

All: 89.164+/-570.006 χ^2/NDF: 44.5/55



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4618.022+/-1.131 χ^2/NDF:506260.6/10

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4683.553+/-1.139 χ^2/NDF:434464.5/9

Left: 4650.561+/-0.803 χ^2/NDF: 942391.8/20

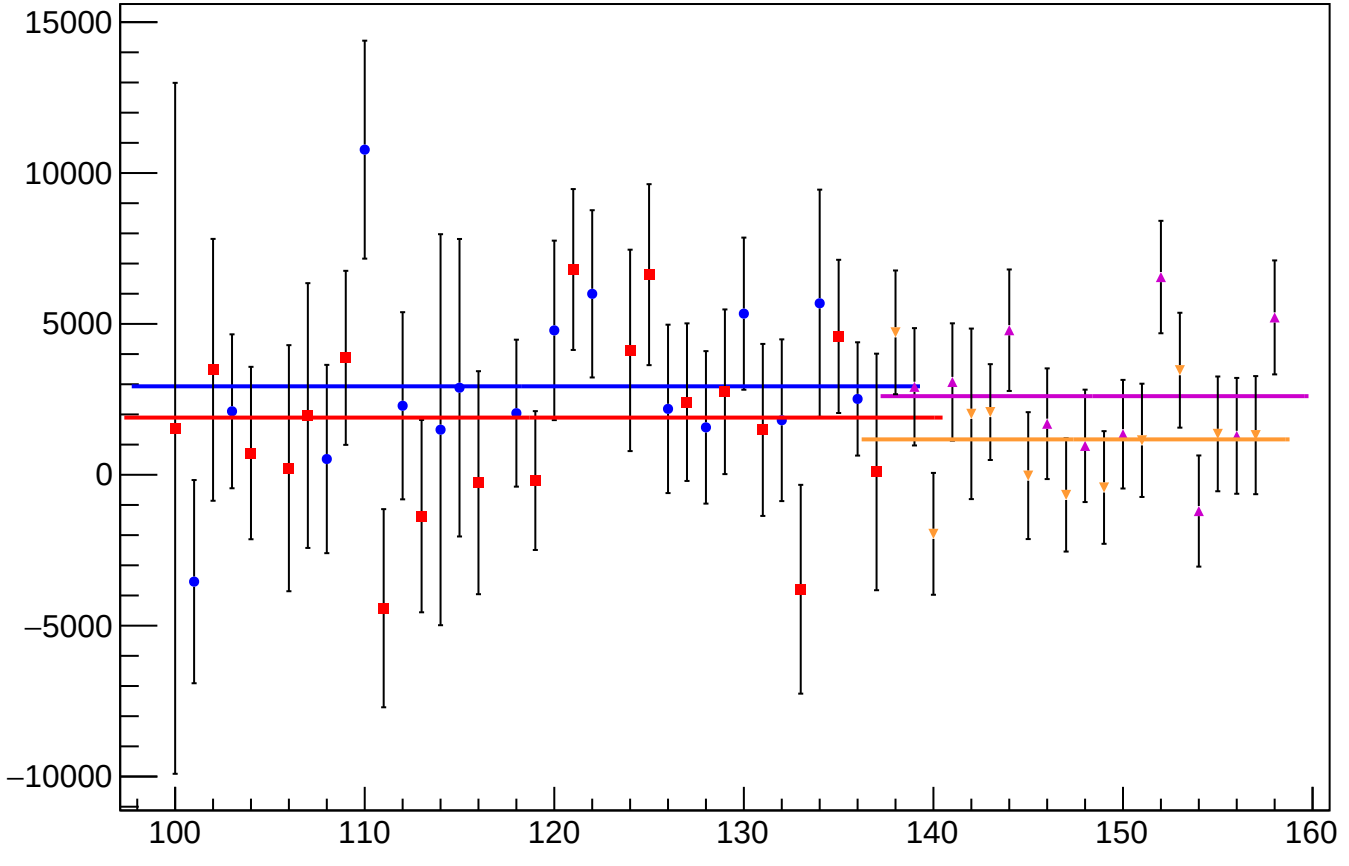
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2968.984+/-0.631 χ^2/NDF:9204459.5/25

Out: 2305.330+/-0.524 χ^2/NDF:12681019.4/29

All: 2575.937+/-0.403 χ^2/NDF: 22540197.2/5

eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1173.083+/-587.262 χ^2/NDF:9.3/10

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2605.576+/-597.069 χ^2/NDF:13.9/9

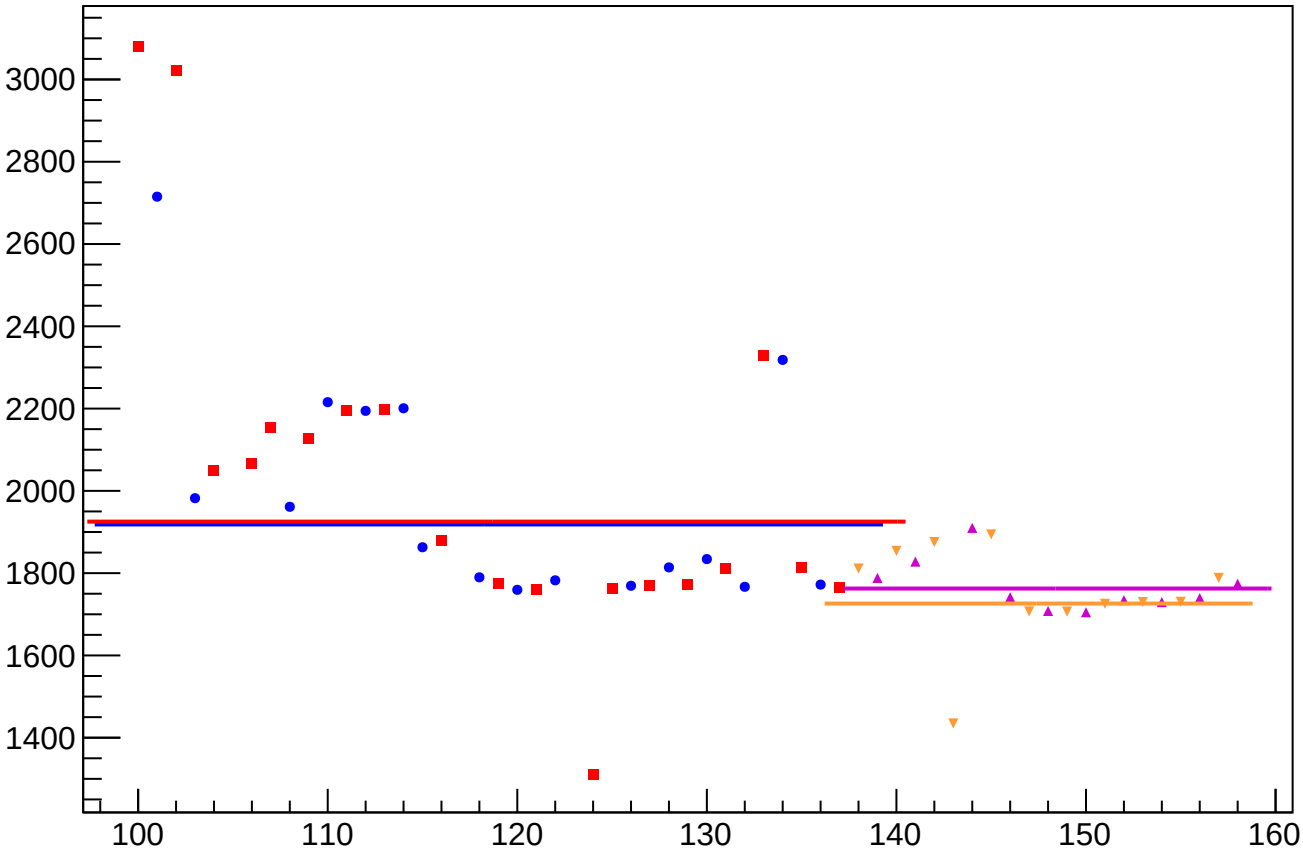
Left: 1877.468+/-418.681 χ^2/NDF: 26.1/20

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2738.830+/-459.158 χ^2/NDF:27.0/25

Out: 1460.751+/-455.574 χ^2/NDF:27.3/29

All: 2094.782+/-323.399 χ^2/NDF: 58.2/55



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.128+/-0.415 χ^2/NDF:99733.9/10

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1762.576+/-0.422 χ^2/NDF:18843.9/9

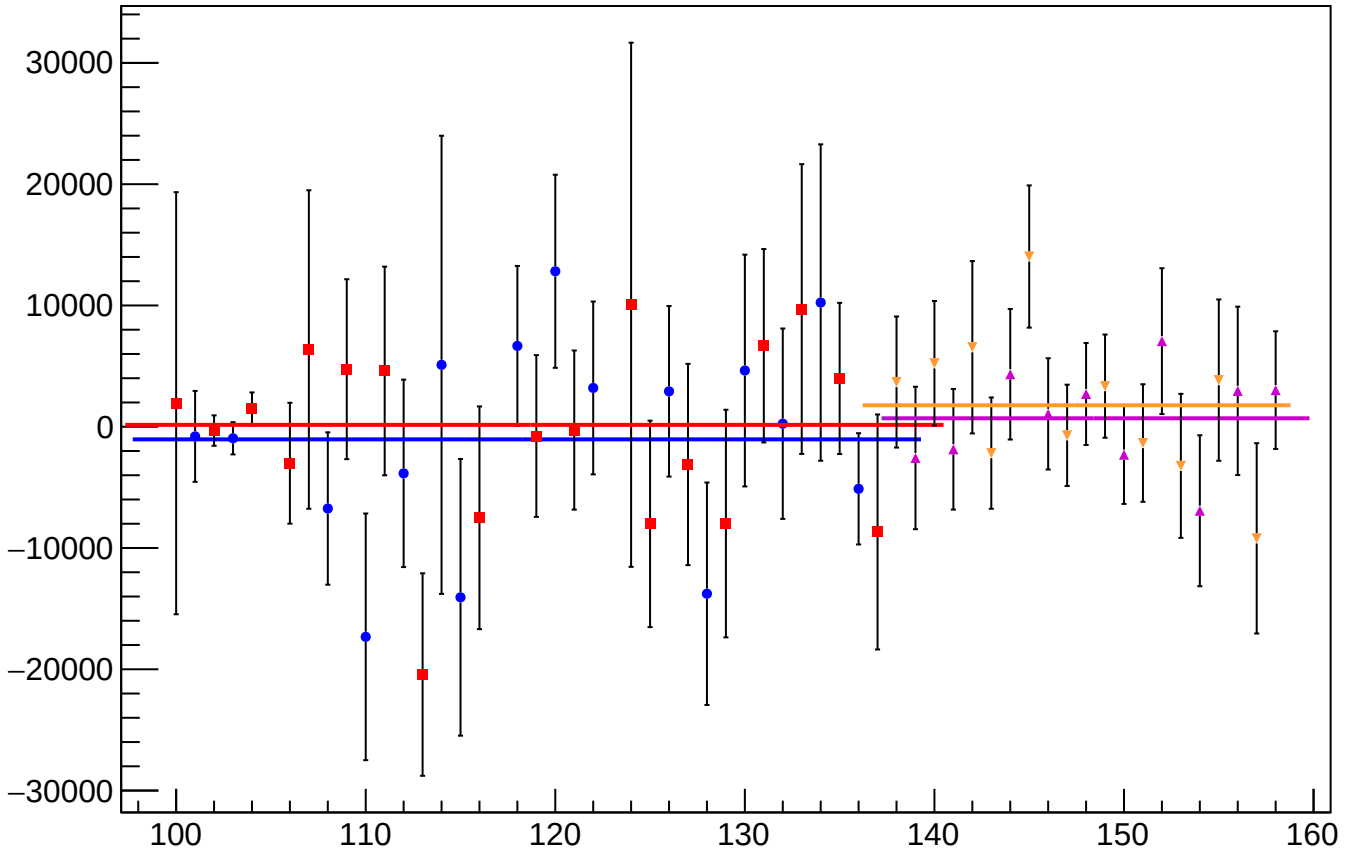
Left: 1744.050+/-0.296 χ^2/NDF: 122366.0/20

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1826.233+/-0.325 χ^2/NDF:290074.4/25

Out: 1805.500+/-0.322 χ^2/NDF:530486.9/29

All: 1815.782+/-0.229 χ^2/NDF: 822616.9/55



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 1770.639+/-1599.610 χ^2/NDF:9.8/10

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 696.336+/-1610.683 χ^2/NDF:4.8/9

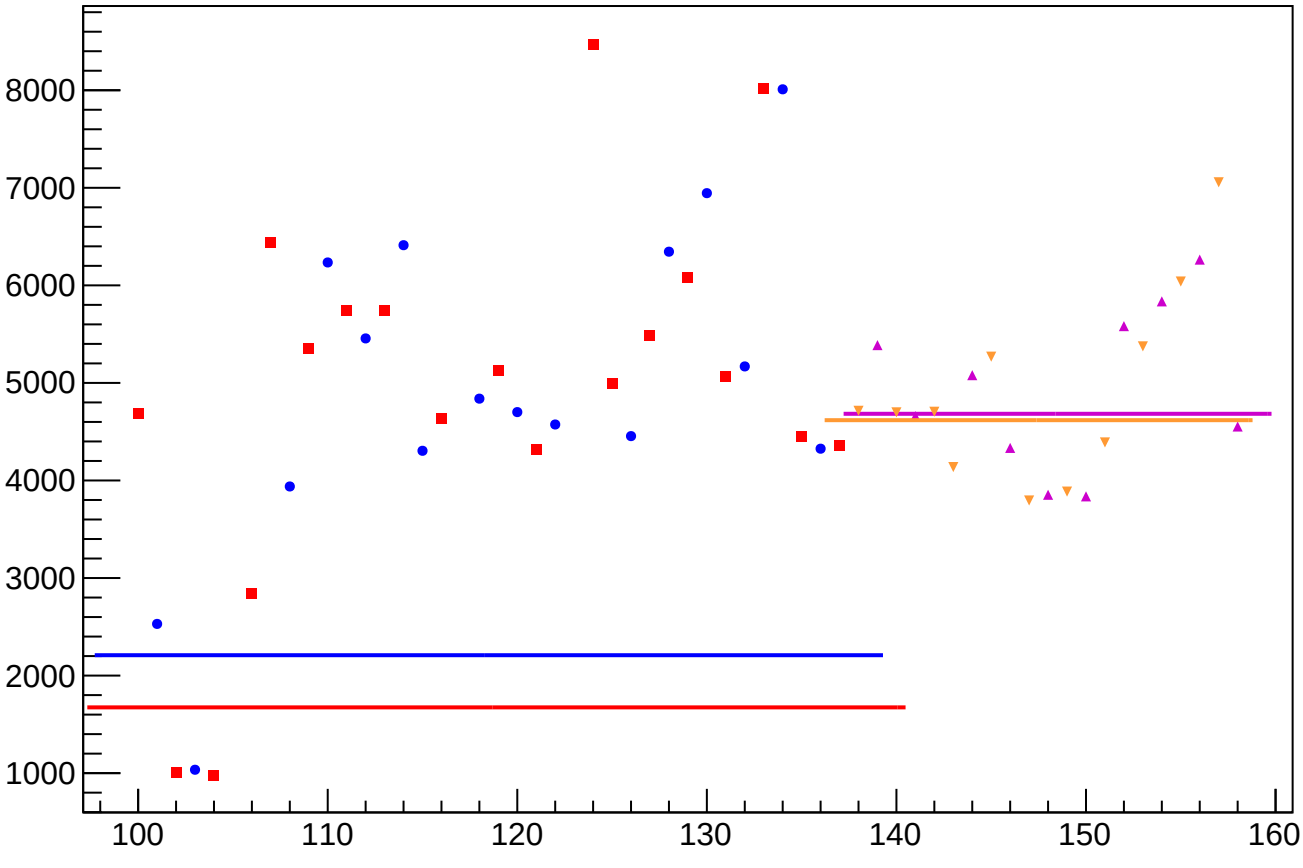
Left: 1237.193+/-1134.990 χ^2/NDF: 14.8/20

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -508.016+/-892.649 χ^2/NDF:19.4/25

Out: 500.306+/-740.675 χ^2/NDF:24.3/29

All: 89.160+/-570.005 χ^2/NDF: 44.5/55



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4618.028+/-1.131 χ^2/NDF:506258.5/10

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4683.560+/-1.139 χ^2/NDF:434461.9/9

Left: 4650.568+/-0.803 χ^2/NDF: 942387.2/20

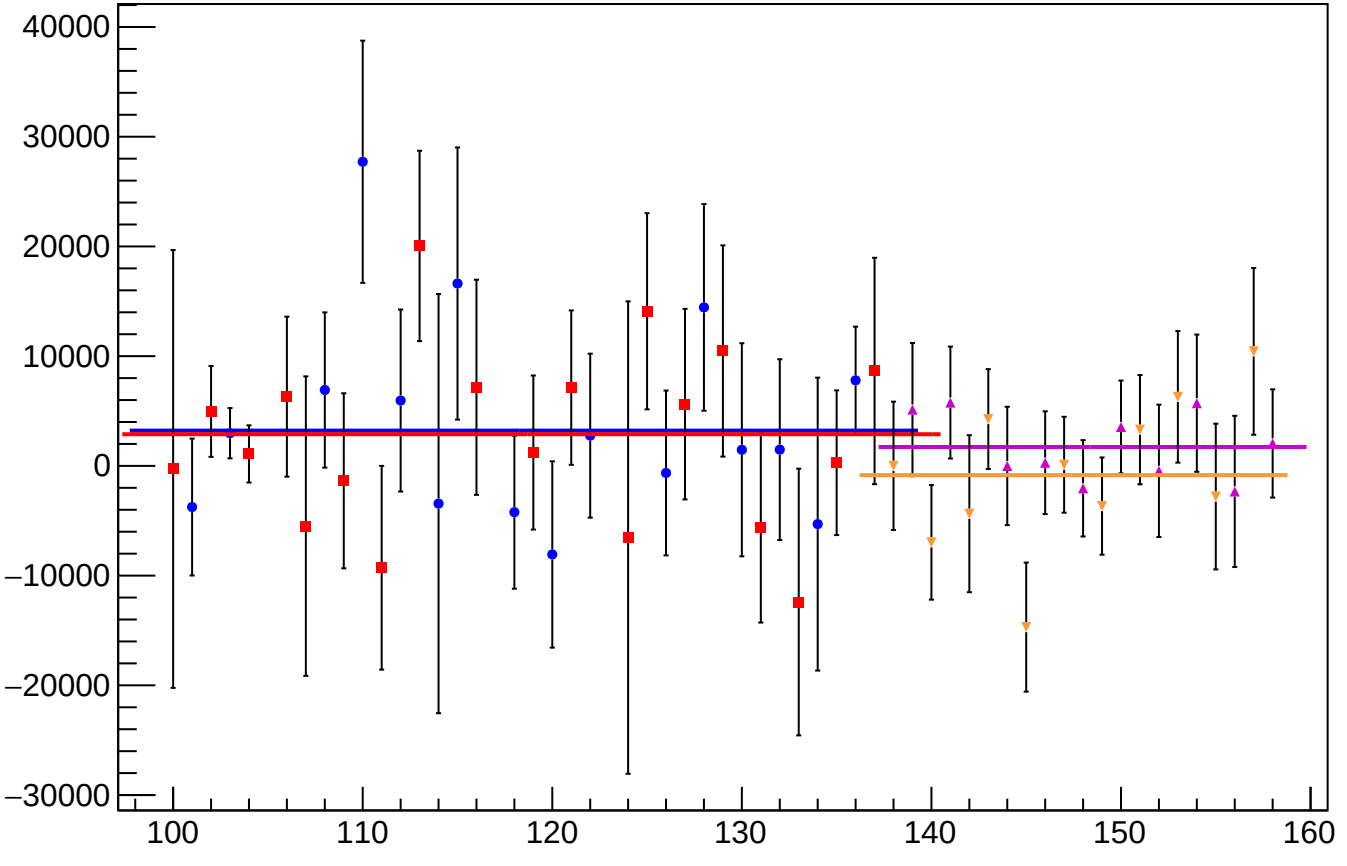
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2968.983+/-0.631 χ^2/NDF:9204464.8/25

Out: 2305.330+/-0.524 χ^2/NDF:12681024.0/29

All: 2575.936+/-0.403 χ^2/NDF: 22540207.4/5

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -840.738+/-1634.980 χ^2/NDF:13.3/10

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1724.303+/-1647.093 χ^2/NDF:3.0/9

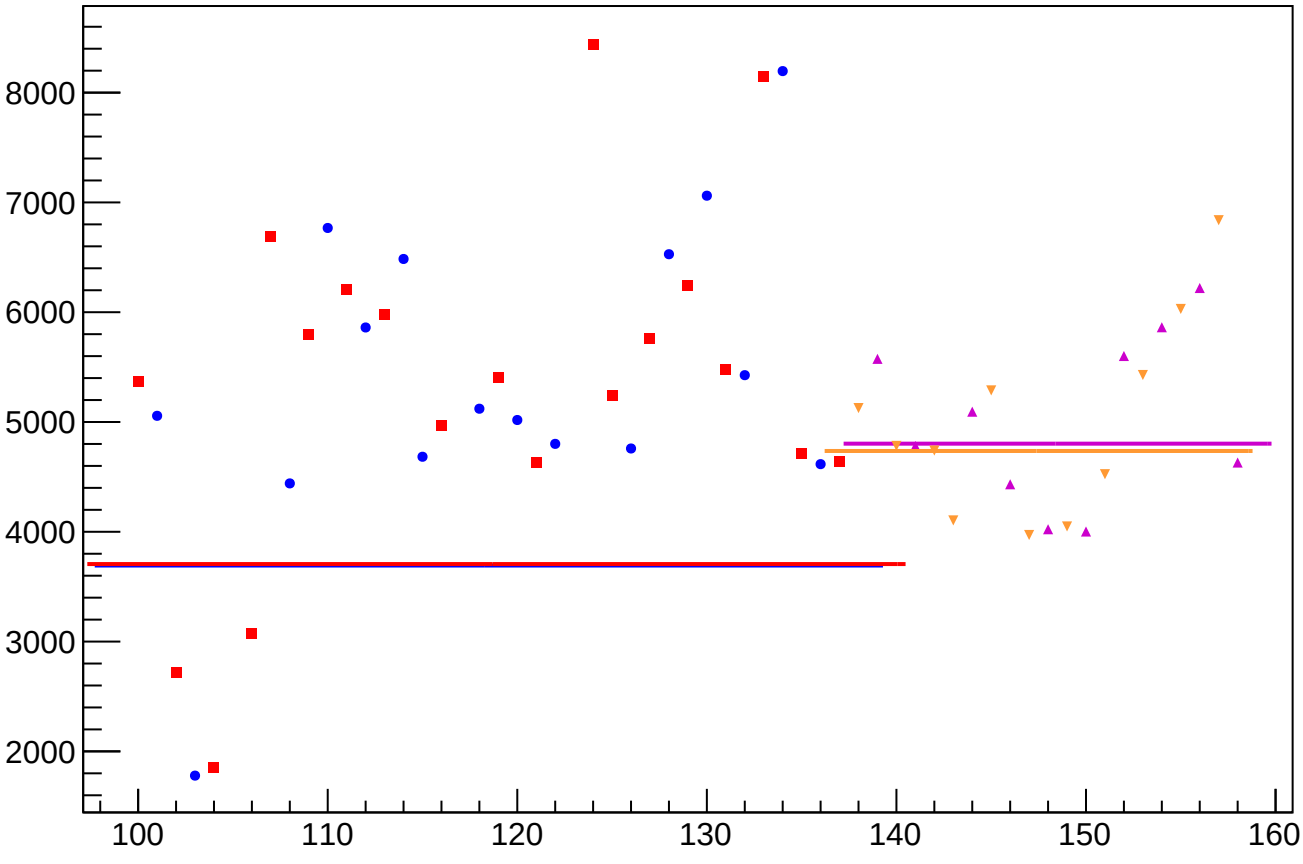
Left: 432.316+/-1160.364 χ^2/NDF: 17.5/20

Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2520.412+/-1124.612 χ^2/NDF:17.2/25

Out: 1118.093+/-1125.668 χ^2/NDF:29.4/29

All: 1819.910+/-795.594 χ^2/NDF: 47.4/55



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4736.050+/-1.156 χ^2/NDF:434031.4/10

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4802.673+/-1.165 χ^2/NDF:365023.8/9

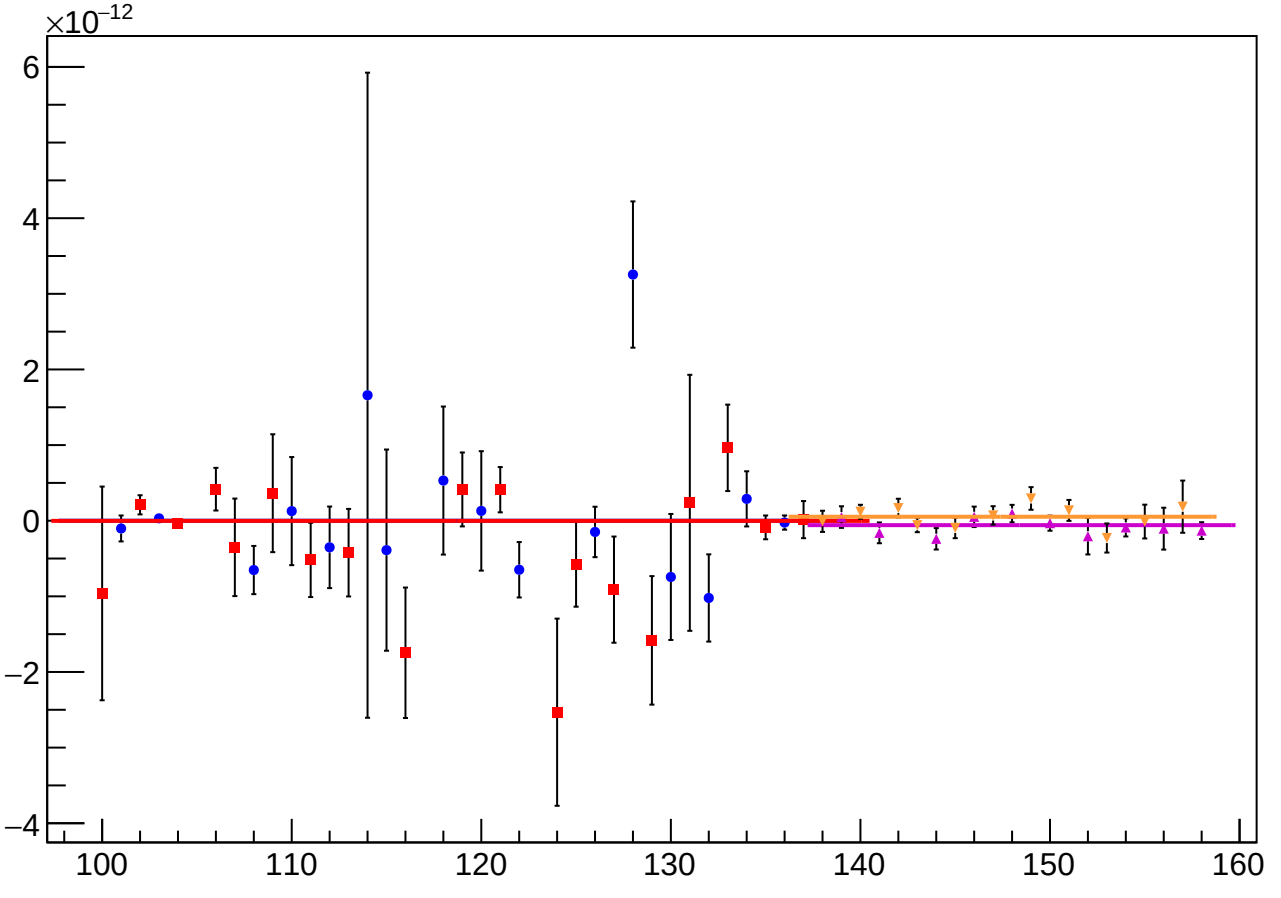
Left: 4769.116+/-0.821 χ^2/NDF: 800703.4/20

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4210.228+/-0.795 χ^2/NDF:3735422.1/25

Out: 4189.157+/-0.792 χ^2/NDF:3539996.3/29

All: 4199.646+/-0.561 χ^2/NDF: 7275771.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

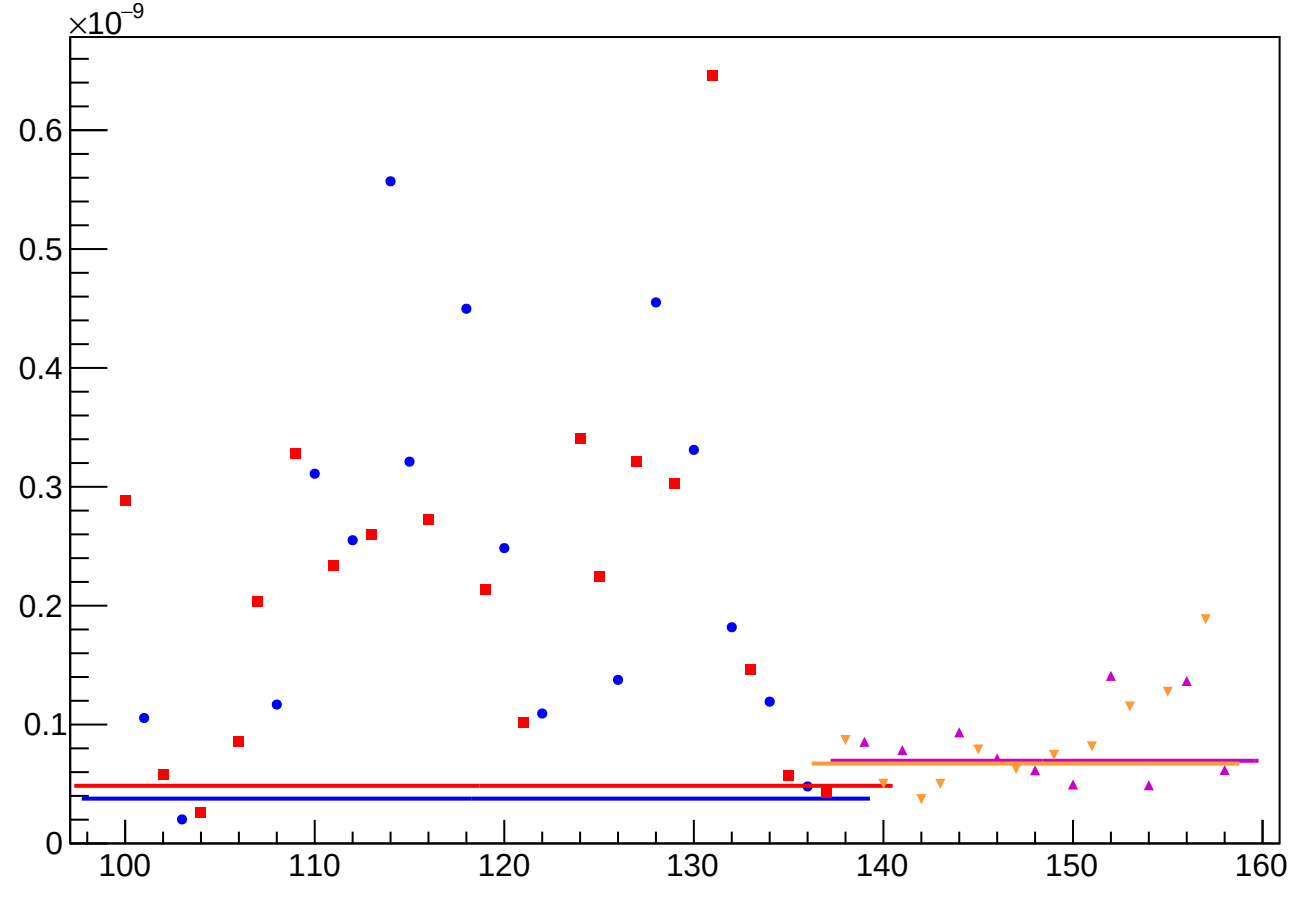
Left: -0.000+/-0.000 χ^2/NDF: 19.3/20

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:32.6/25

Out: 0.000+/-0.000 χ^2/NDF:38.6/29

All: -0.000+/-0.000 χ^2/NDF: 72.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:855343.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:542206.0/9

Left: 0.000+/-0.000 χ^2/NDF: 1400810.8/20

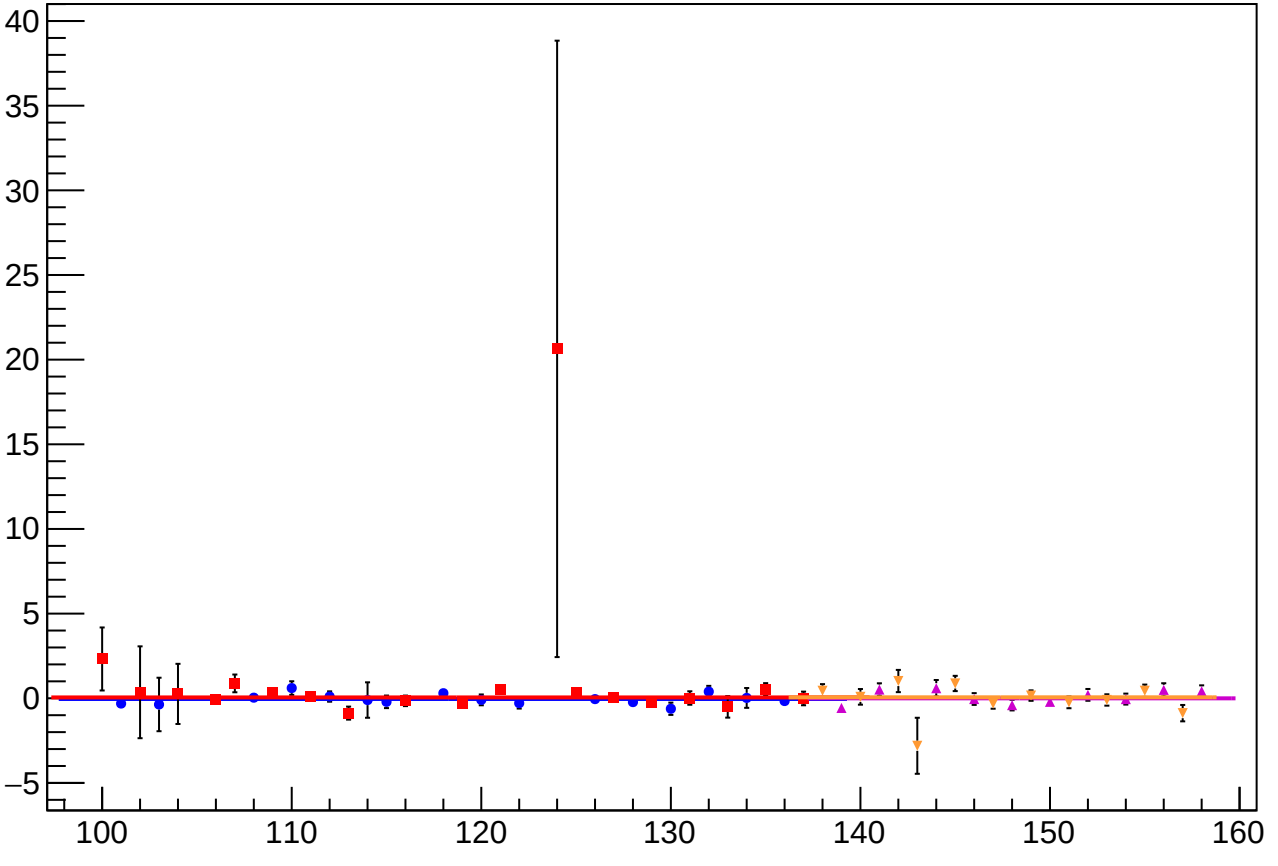
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:4338132.2/25

Out: 0.000+/-0.000 χ^2/NDF:3944540.3/29

All: 0.000+/-0.000 χ^2/NDF: 8352963.4/55

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: 0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.004+/-0.107 χ^2/NDF:13.4/9

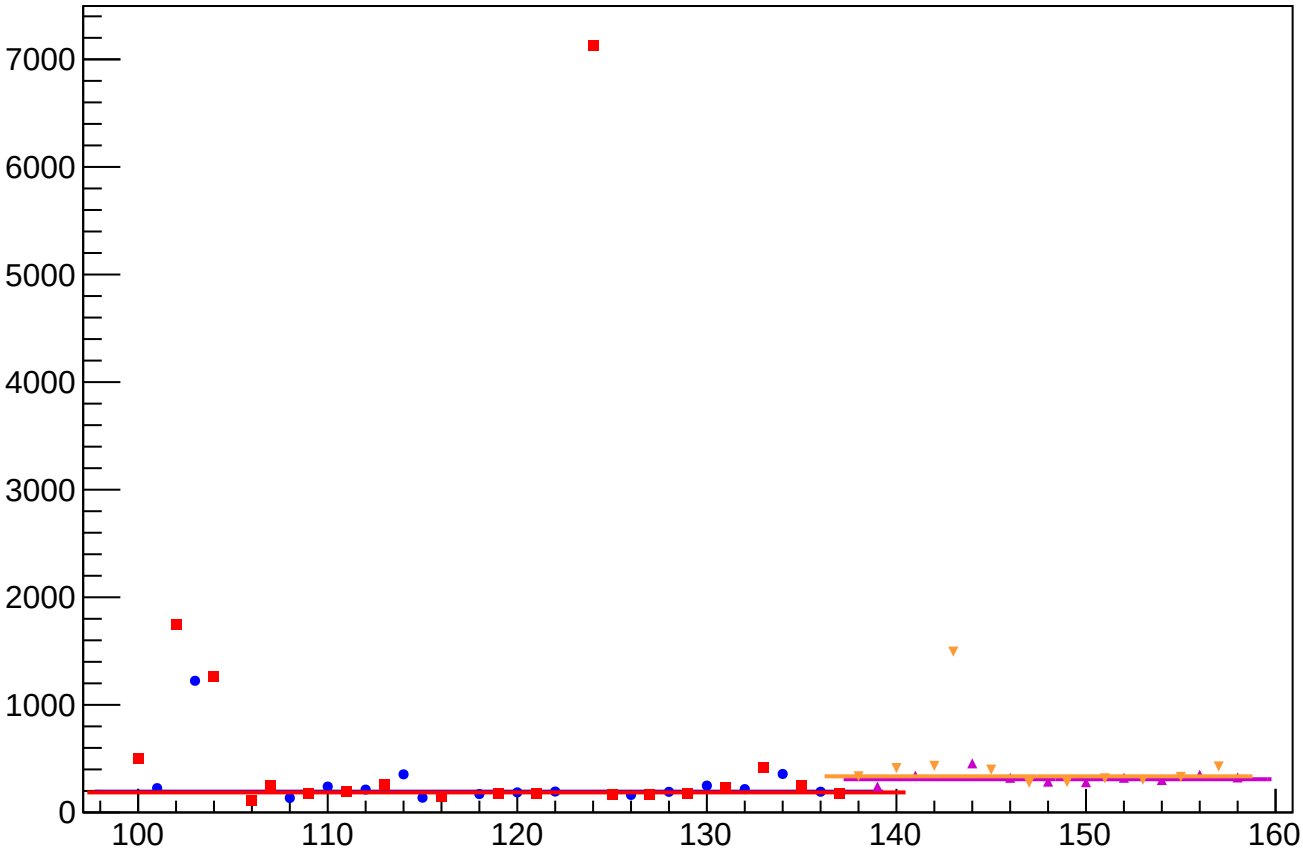
Left: 0.022+/-0.080 χ^2/NDF: 30.3/20

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.028+/-0.063 χ^2/NDF:25.2/25

Out: 0.051+/-0.066 χ^2/NDF:39.8/29

All: 0.010+/-0.046 χ^2/NDF: 65.8/55



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.843+/-0.085 χ^2/NDF:1354476.1/10

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 308.824+/-0.076 χ^2/NDF:387404.2/9

Left: 320.748+/-0.057 χ^2/NDF: 1798131.3/20

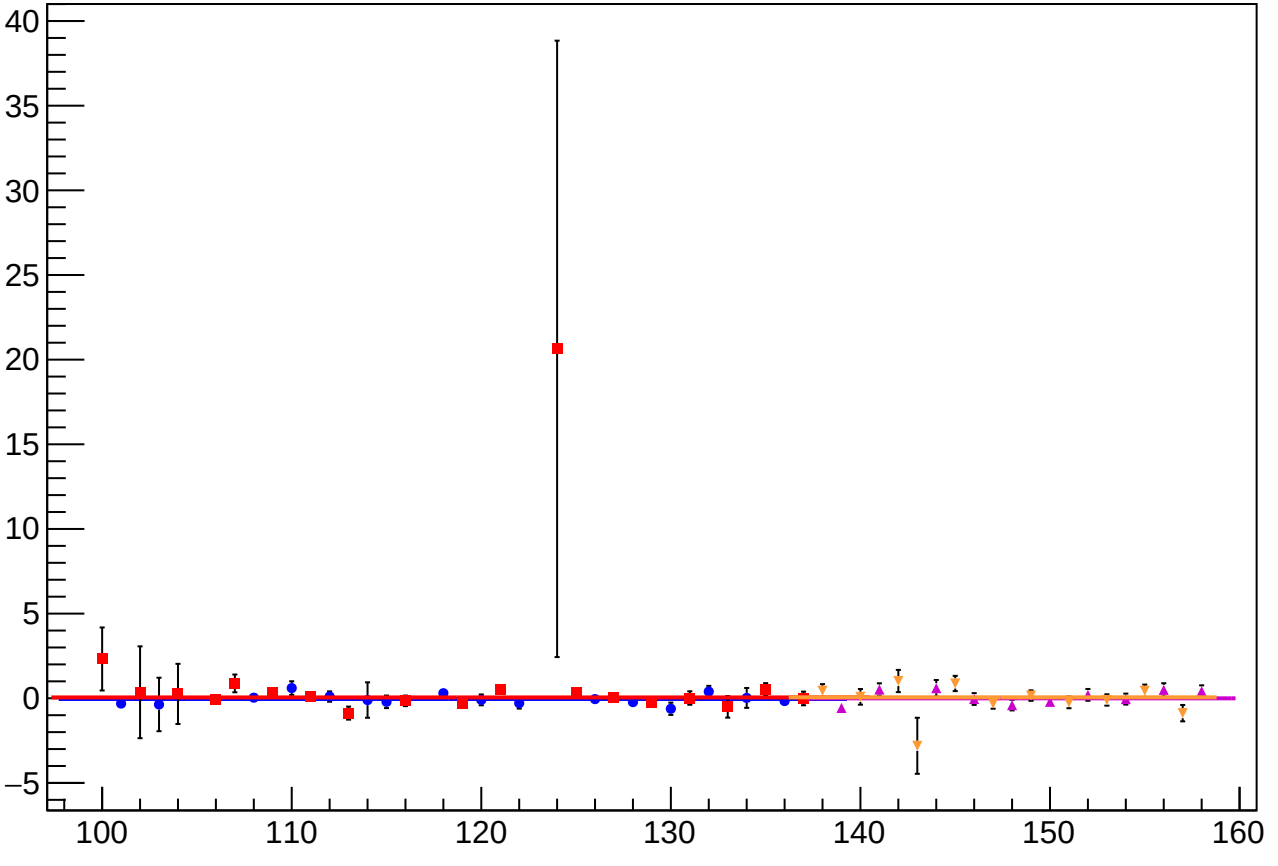
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 233.176+/-0.044 χ^2/NDF:3322399.3/25

Out: 231.185+/-0.047 χ^2/NDF:5991061.2/29

All: 232.227+/-0.032 χ^2/NDF: 9314415.9/55

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: 0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.004+/-0.107 χ^2/NDF:13.4/9

Left: 0.022+/-0.080 χ^2/NDF: 30.3/20

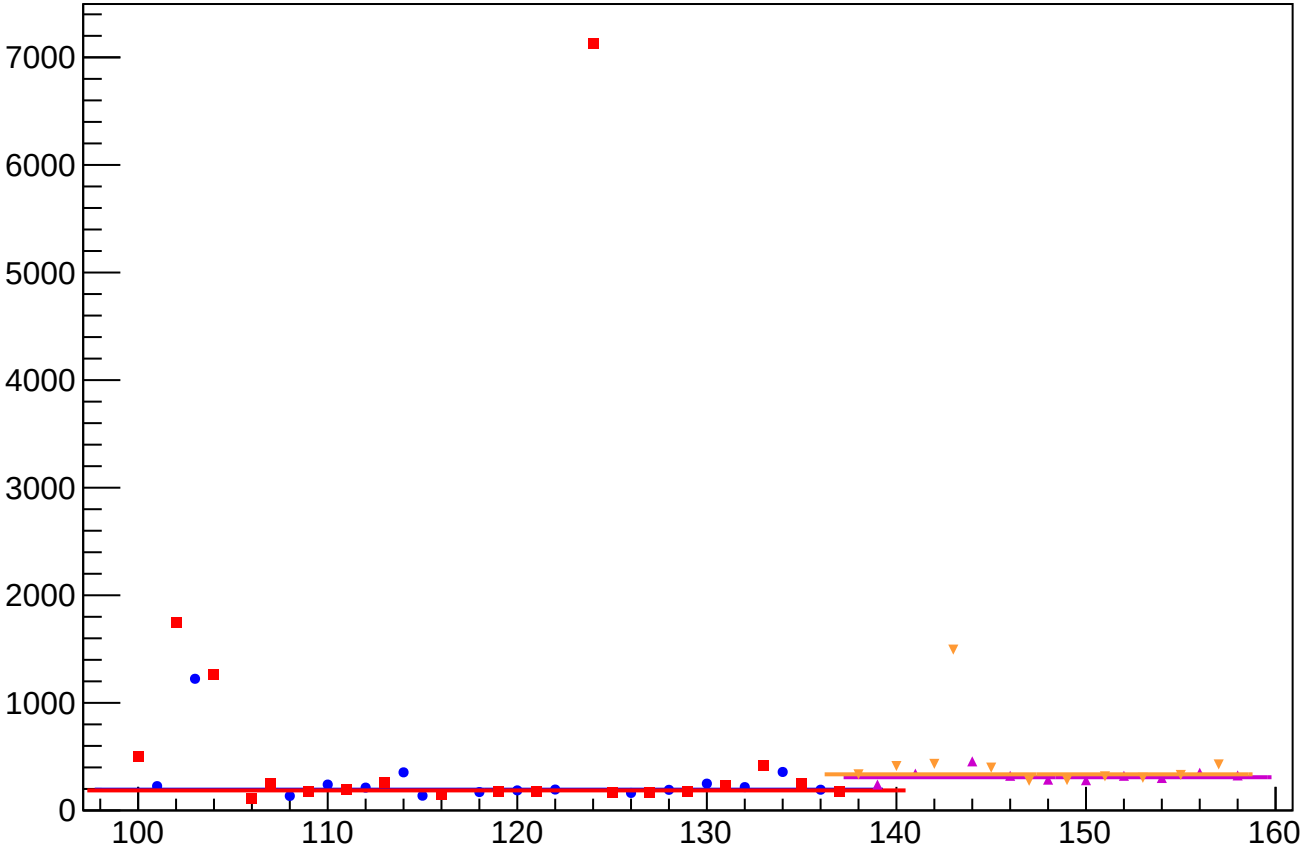
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.028+/-0.063 χ^2/NDF:25.2/25

Out: 0.051+/-0.066 χ^2/NDF:39.8/29

All: 0.010+/-0.046 χ^2/NDF: 65.8/55

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: 335.843+/-0.085 χ^2/NDF:1354476.1/10

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 308.824+/-0.076 χ^2/NDF:387404.2/9

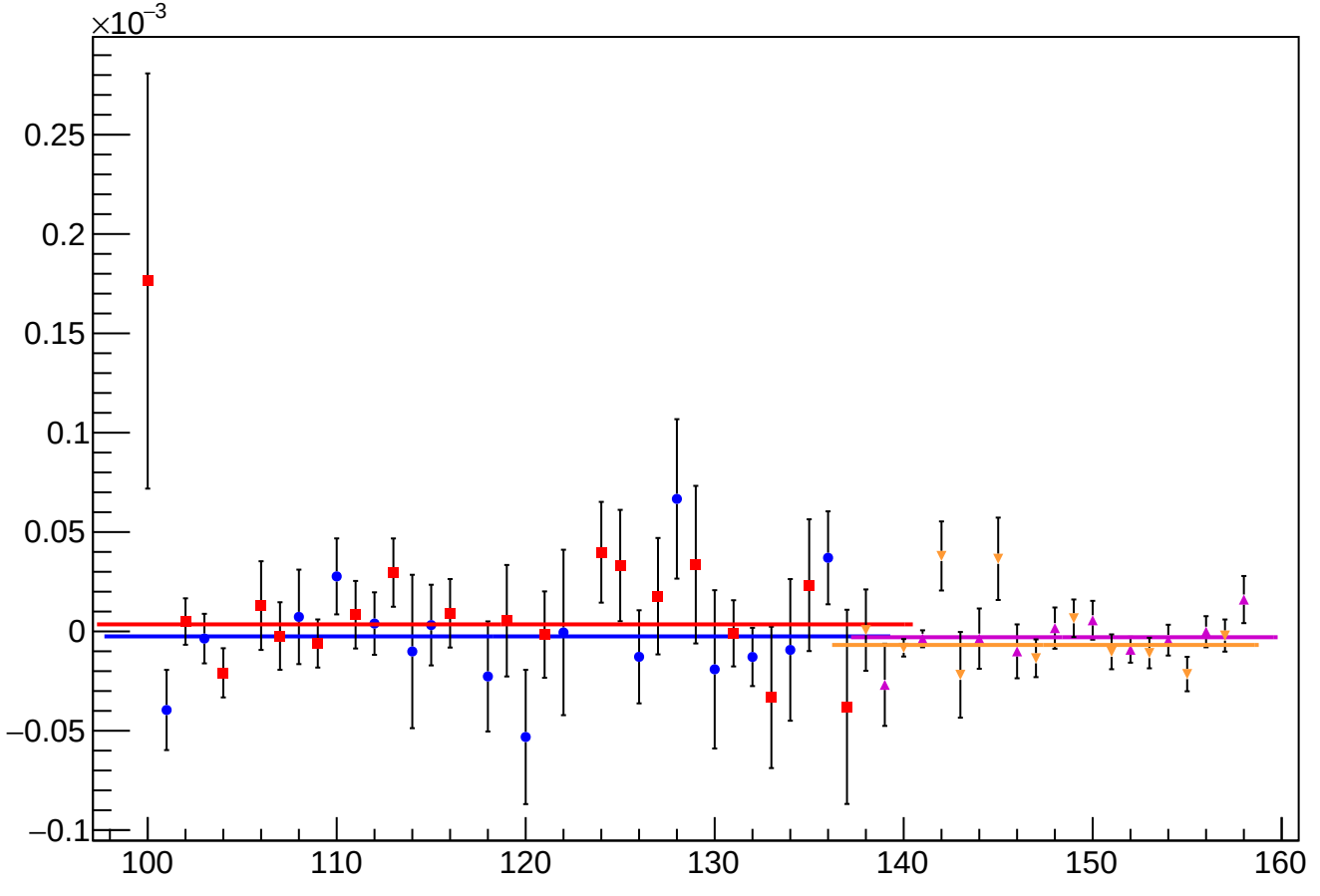
Left: 320.748+/-0.057 χ^2/NDF: 1798131.3/20

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 233.176+/-0.044 χ^2/NDF:3322399.3/25

Out: 231.185+/-0.047 χ^2/NDF:5991061.2/29

All: 232.227+/-0.032 χ^2/NDF: 9314415.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

Left: -0.000+/-0.000 χ^2/NDF: 25.2/20

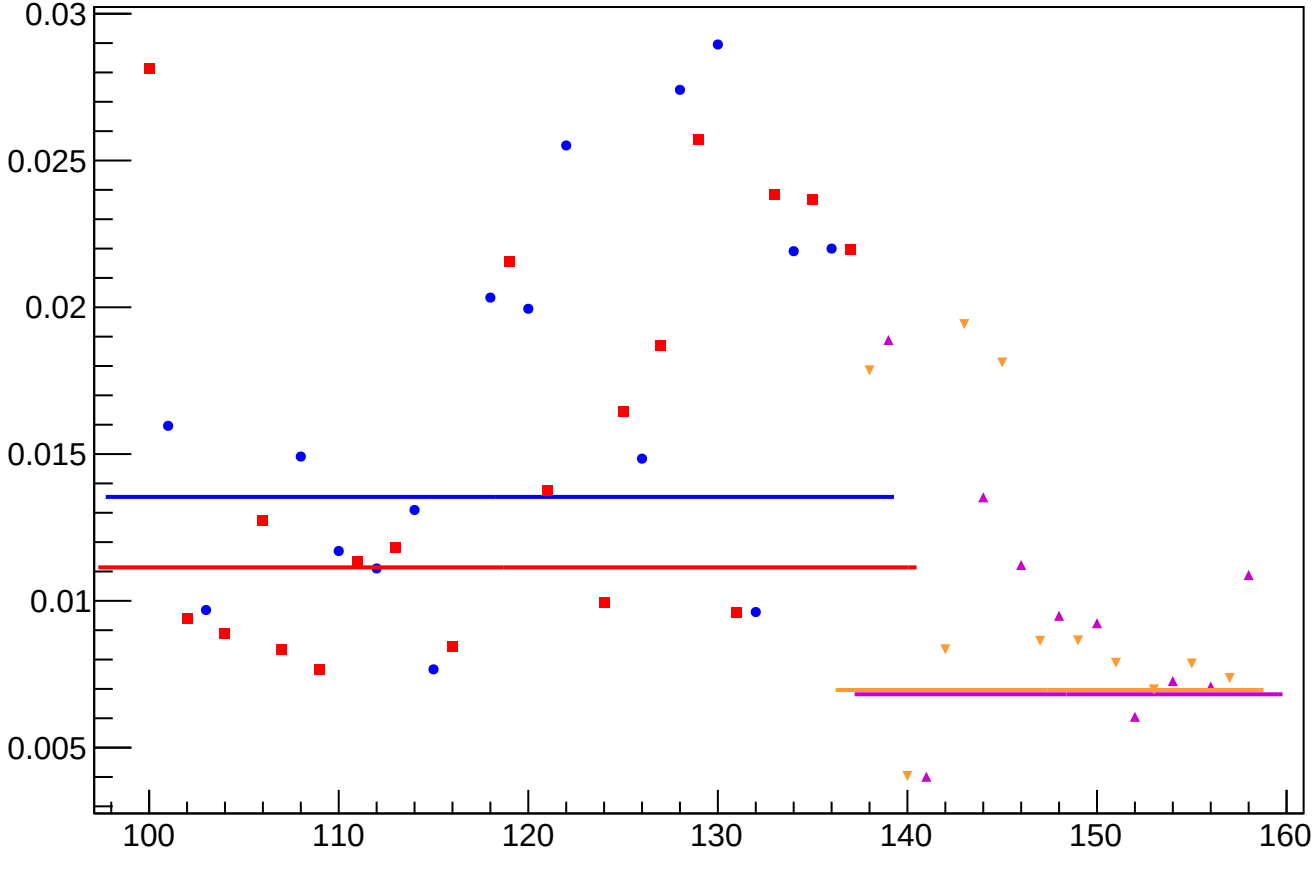
Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:22.1/25

Out: -0.000+/-0.000 χ^2/NDF:38.2/29

All: -0.000+/-0.000 χ^2/NDF: 60.4/55

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2887650.7/10

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2676875.3/9

Left: 0.007+/-0.000 χ^2/NDF: 5567637.1/20

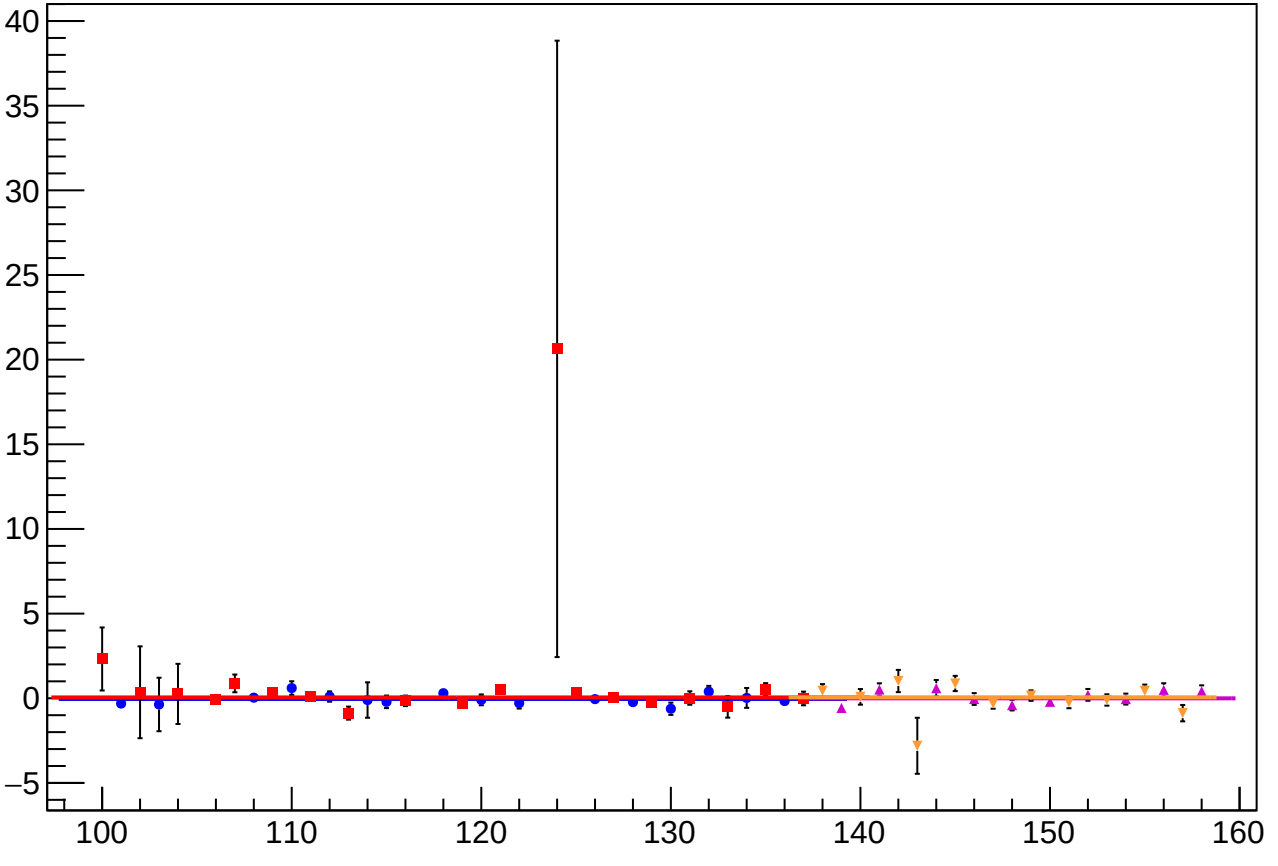
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:7039996.3/25

Out: 0.008+/-0.000 χ^2/NDF:6071616.0/29

All: 0.008+/-0.000 χ^2/NDF: 13111615.9/55

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: 0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.004+/-0.107 χ^2/NDF:13.4/9

Left: 0.022+/-0.080 χ^2/NDF: 30.3/20

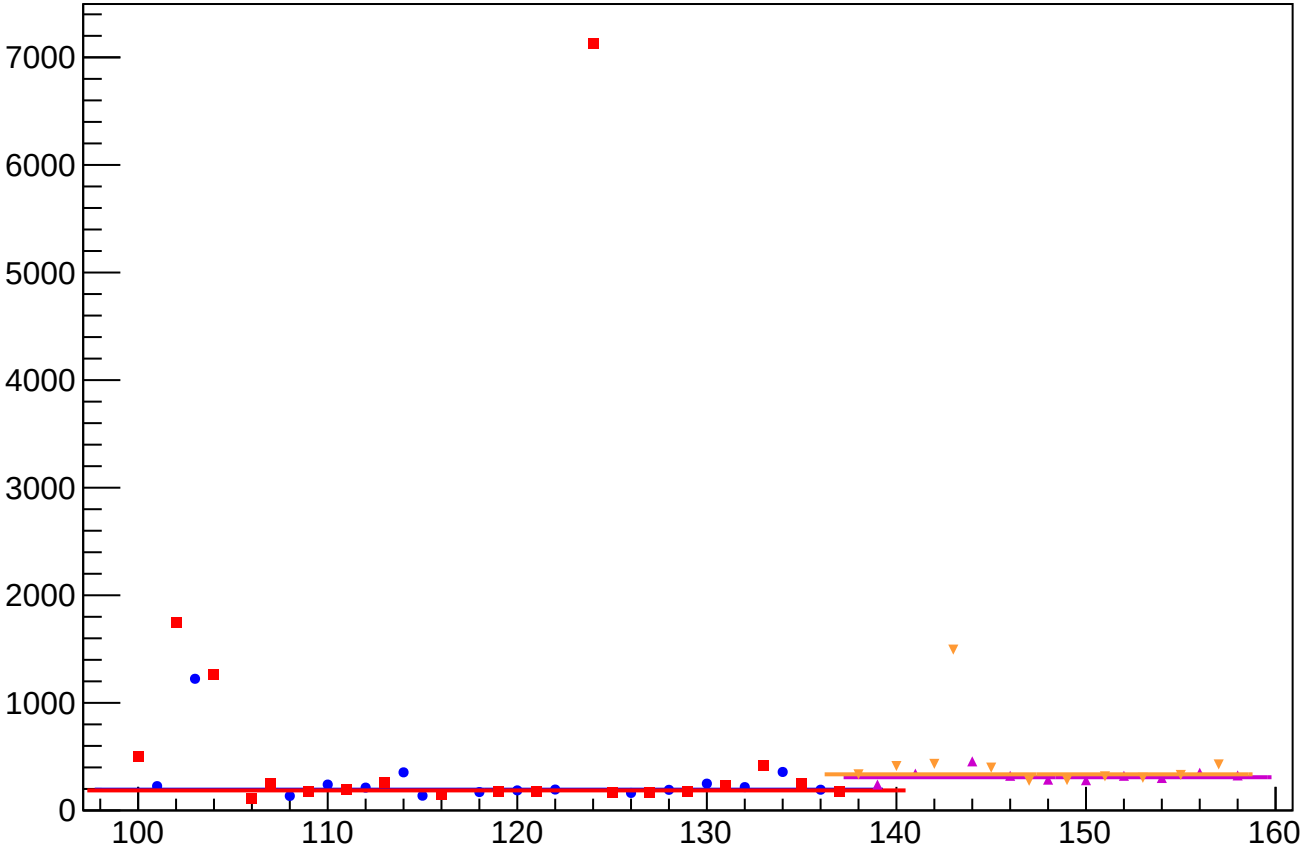
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.028+/-0.063 χ^2/NDF:25.2/25

Out: 0.051+/-0.066 χ^2/NDF:39.8/29

All: 0.010+/-0.046 χ^2/NDF: 65.8/55

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: 335.847+/-0.085 χ^2/NDF:1354448.1/10

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 308.829+/-0.076 χ^2/NDF:387382.1/9

Left: 320.752+/-0.057 χ^2/NDF: 1798077.4/20

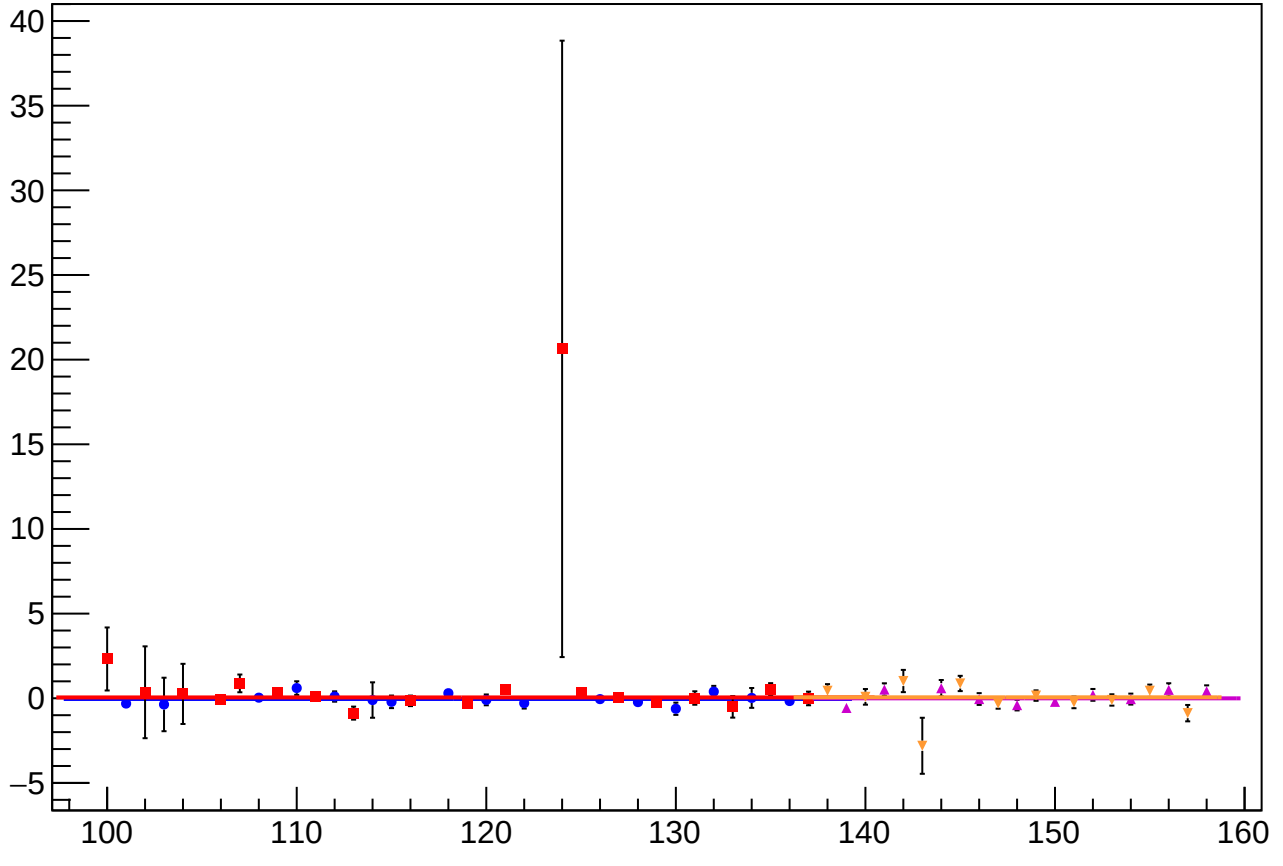
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 233.176+/-0.044 χ^2/NDF:3322503.3/25

Out: 231.183+/-0.047 χ^2/NDF:5991213.5/29

All: 232.226+/-0.032 χ^2/NDF: 9314673.5/55

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: 0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.004+/-0.107 χ^2/NDF:13.4/9

Left: 0.022+/-0.080 χ^2/NDF: 30.3/20

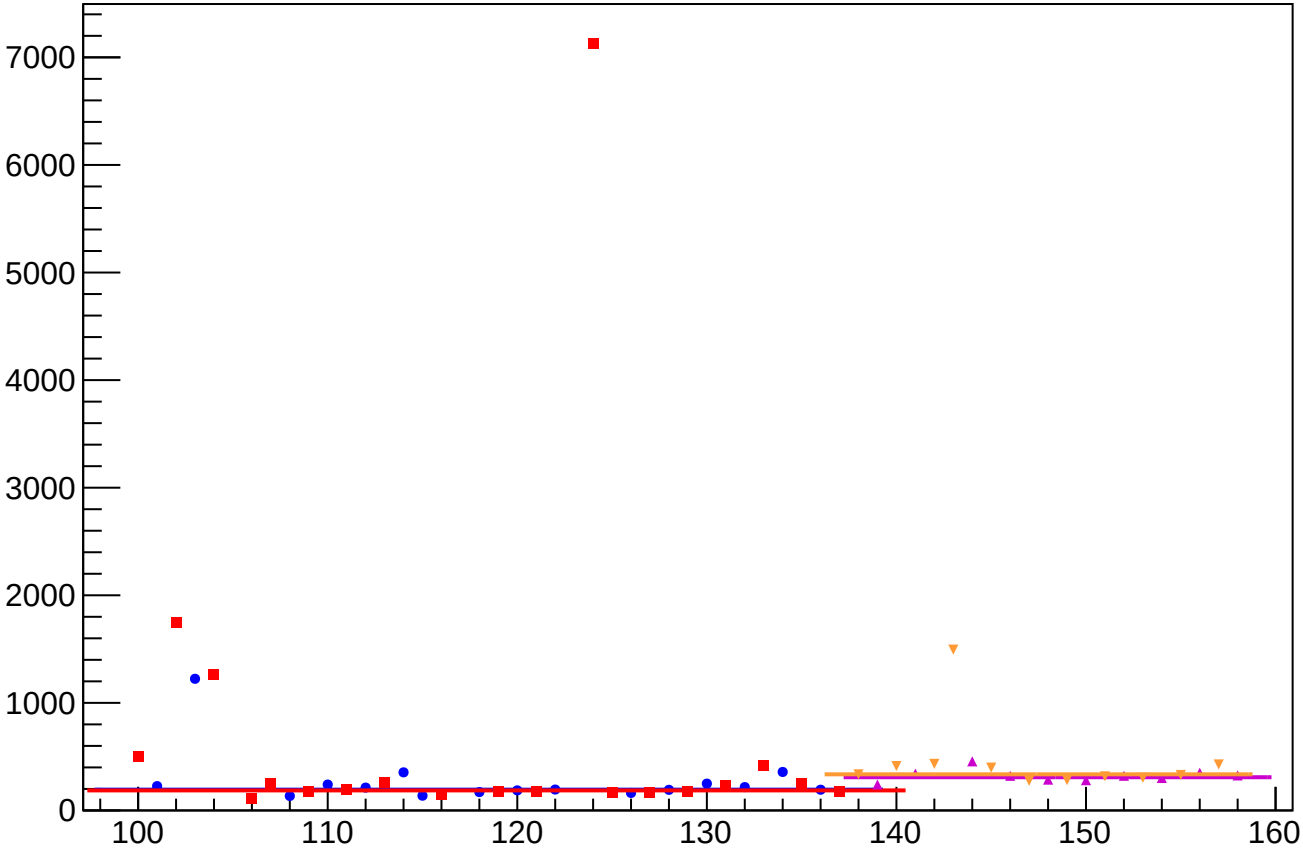
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.028+/-0.063 χ^2/NDF:25.2/25

Out: 0.051+/-0.066 χ^2/NDF:39.8/29

All: 0.010+/-0.046 χ^2/NDF: 65.8/55

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: 335.847+/-0.085 χ^2/NDF:1354448.1/10

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 308.829+/-0.076 χ^2/NDF:387382.1/9

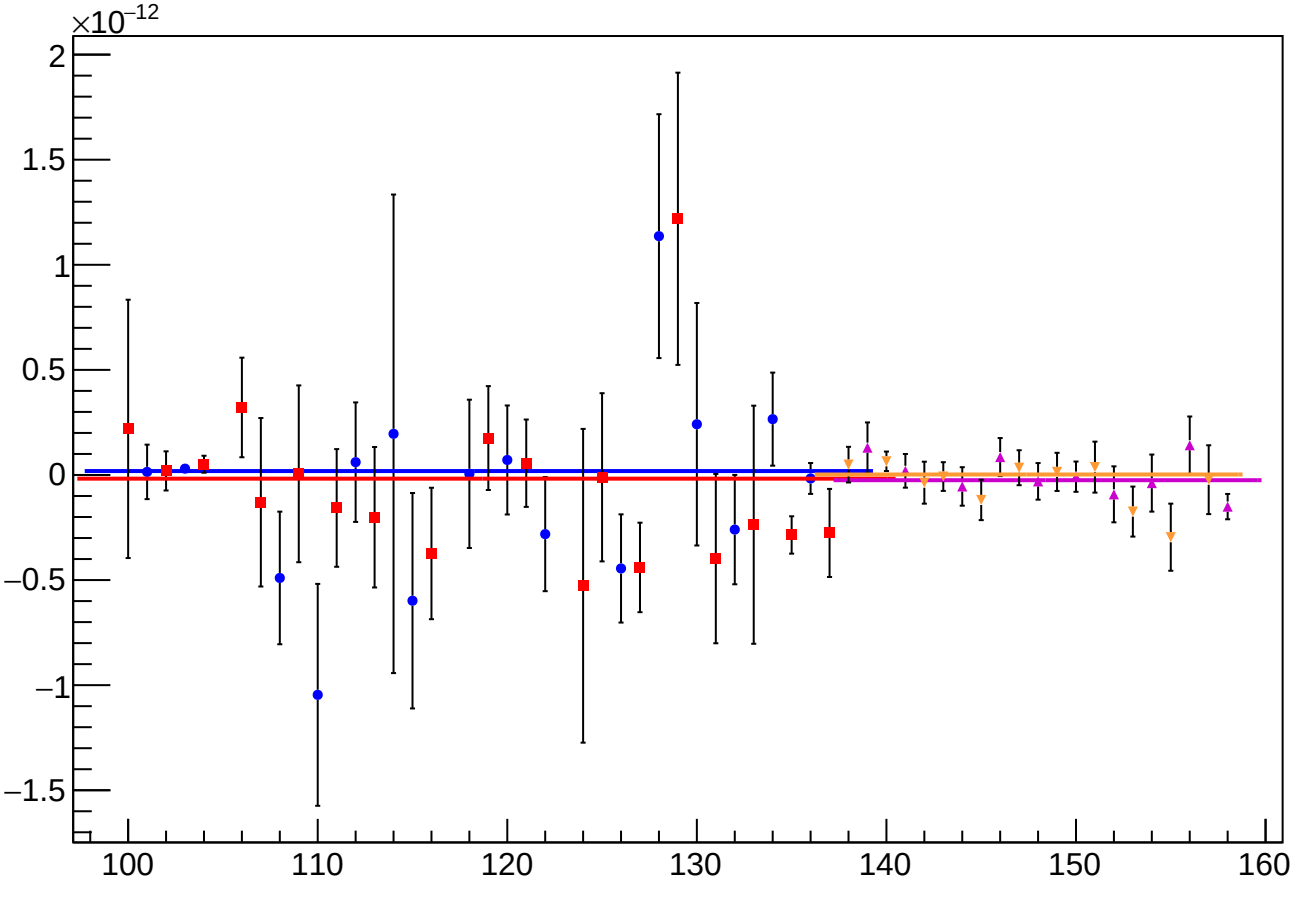
Left: 320.752+/-0.057 χ^2/NDF: 1798077.4/20

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 233.176+/-0.044 χ^2/NDF:3322503.3/25

Out: 231.183+/-0.047 χ^2/NDF:5991213.5/29

All: 232.226+/-0.032 χ^2/NDF: 9314673.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/9

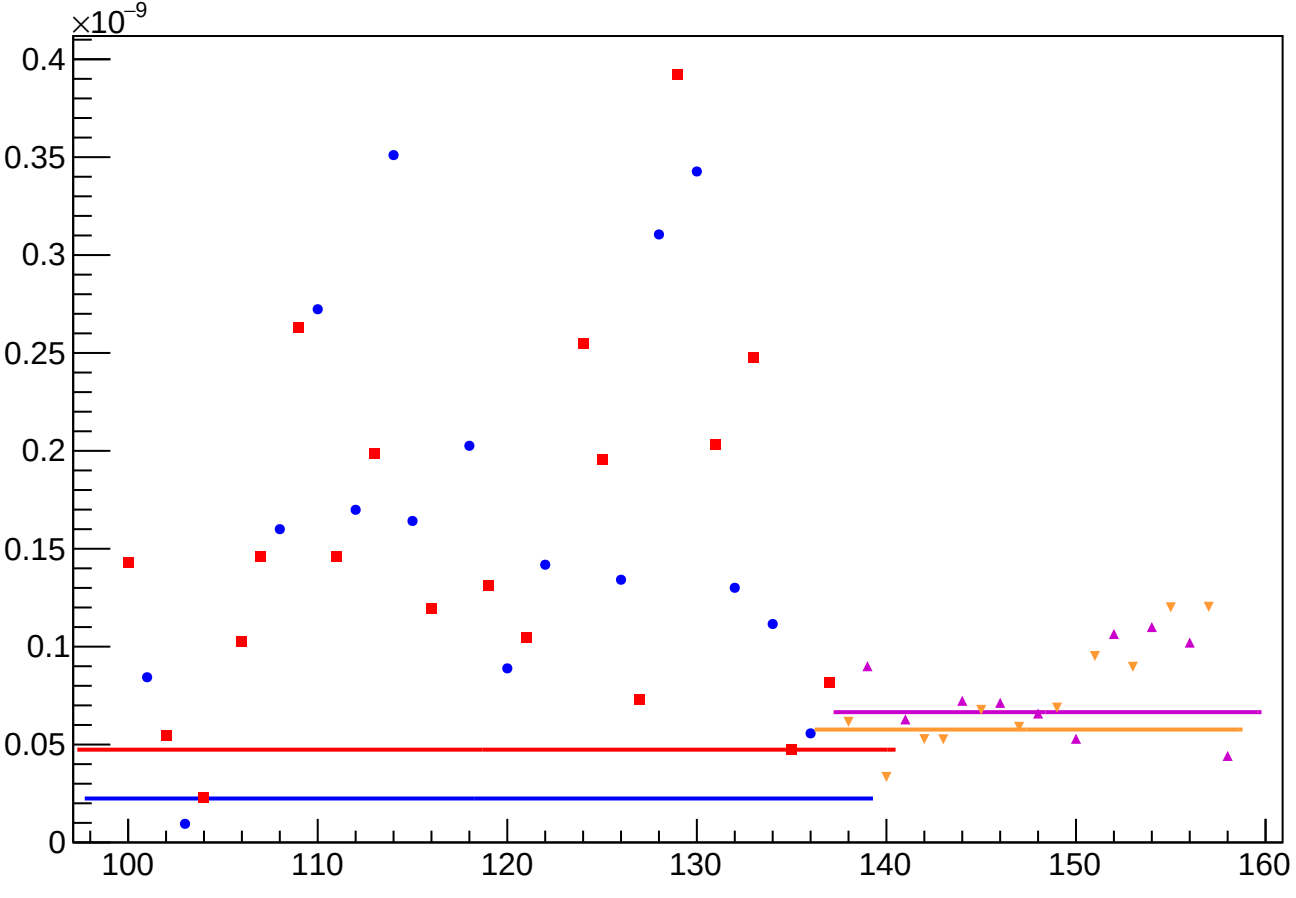
Left: -0.000+/-0.000 χ^2/NDF: 20.1/20

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:30.7/25

Out: -0.000+/-0.000 χ^2/NDF:37.2/29

All: -0.000+/-0.000 χ^2/NDF: 68.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1552057.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:960551.9/9

Left: 0.000+/-0.000 χ^2/NDF: 2619663.8/20

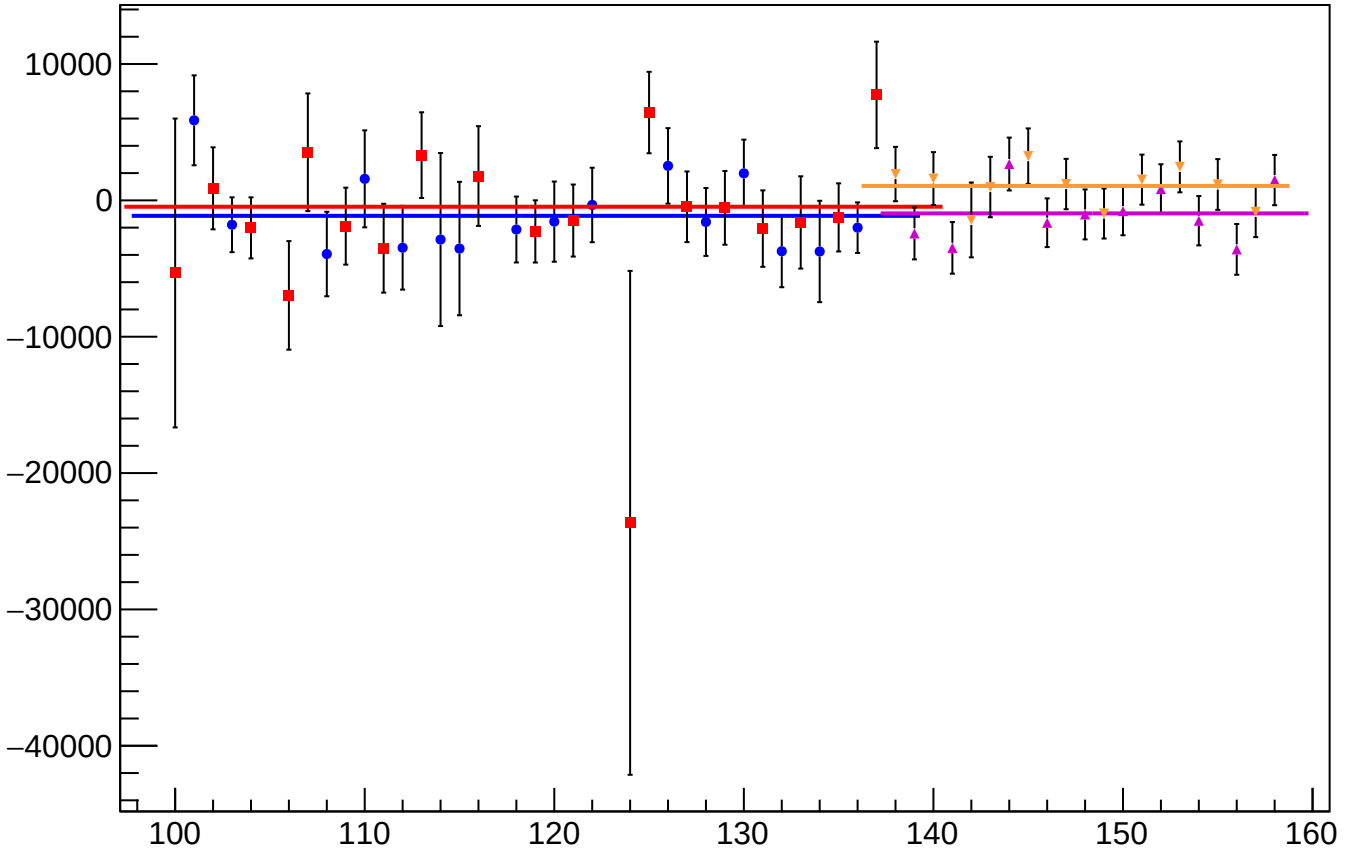
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:10514686.1/25

Out: 0.000+/-0.000 χ^2/NDF:5916796.0/29

All: 0.000+/-0.000 χ^2/NDF: 17184217.8/55

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1057.547+/-592.338 χ^2/NDF:5.2/10

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -955.302+/-583.152 χ^2/NDF:10.8/9

Left: 35.393+/-415.560 χ^2/NDF: 21.9/20

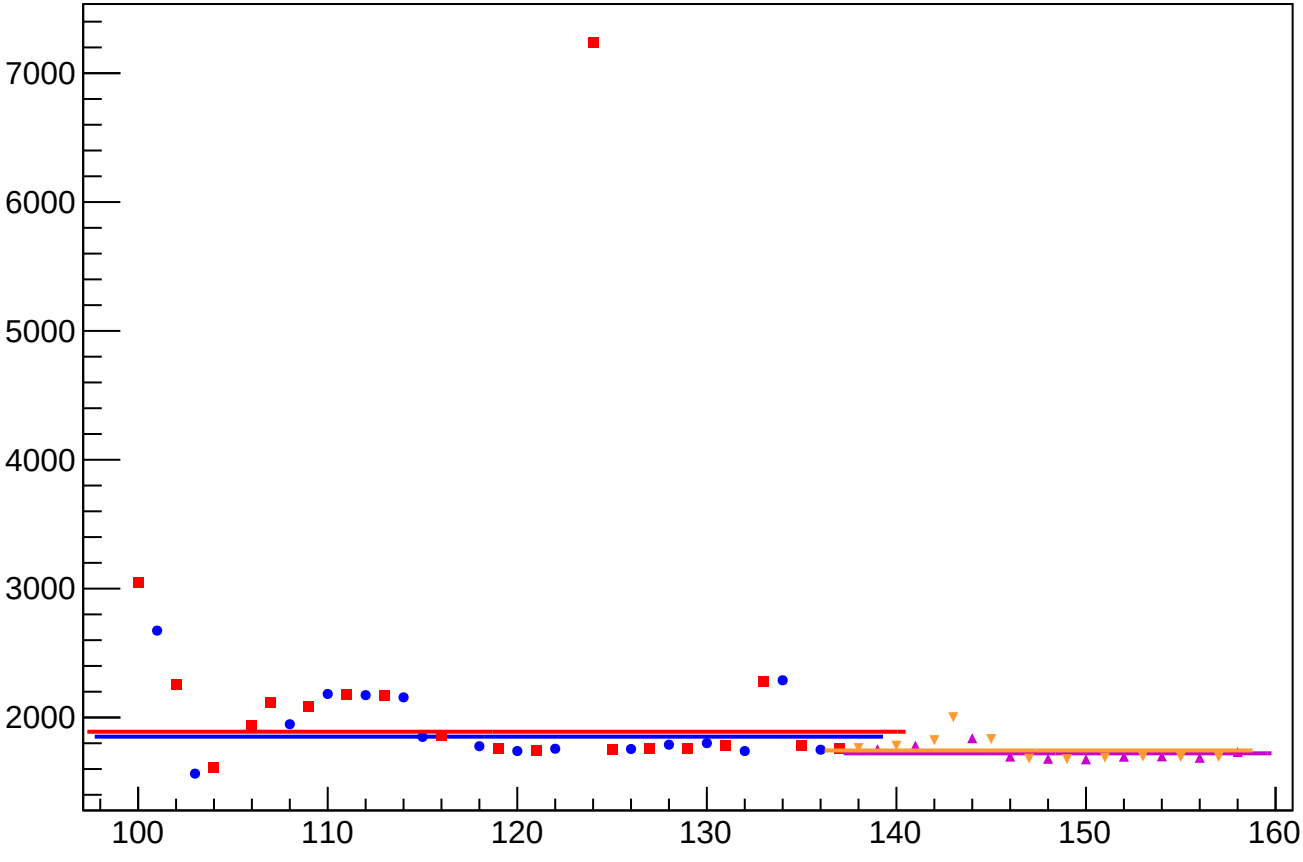
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1029.545+/-446.403 χ^2/NDF:23.1/25

Out: 428.258+/-453.759 χ^2/NDF:27.9/29

All: -312.555+/-318.223 χ^2/NDF: 56.2/55

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1744.072+/-0.419 χ^2/NDF:44525.3/10

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

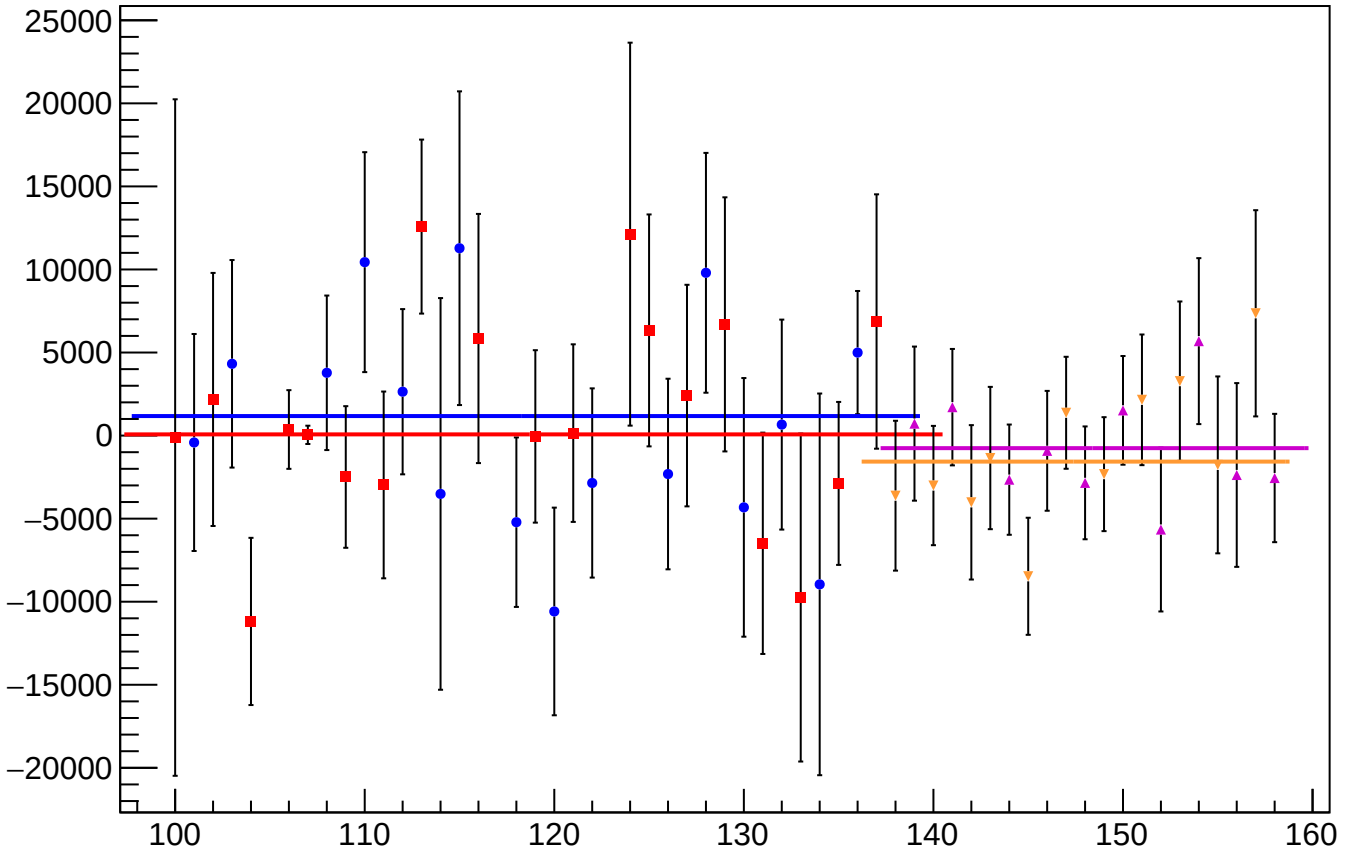
Left: 1732.772+/-0.294 χ^2/NDF: 60162.2/20

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1775.356+/-0.316 χ^2/NDF:314898.7/25

Out: 1804.334+/-0.321 χ^2/NDF:453392.8/29

All: 1789.622+/-0.225 χ^2/NDF: 772440.5/55



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -1566.217+/-1239.925 χ^2/NDF:9.3/10

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -756.277+/-1234.082 χ^2/NDF:4.7/9

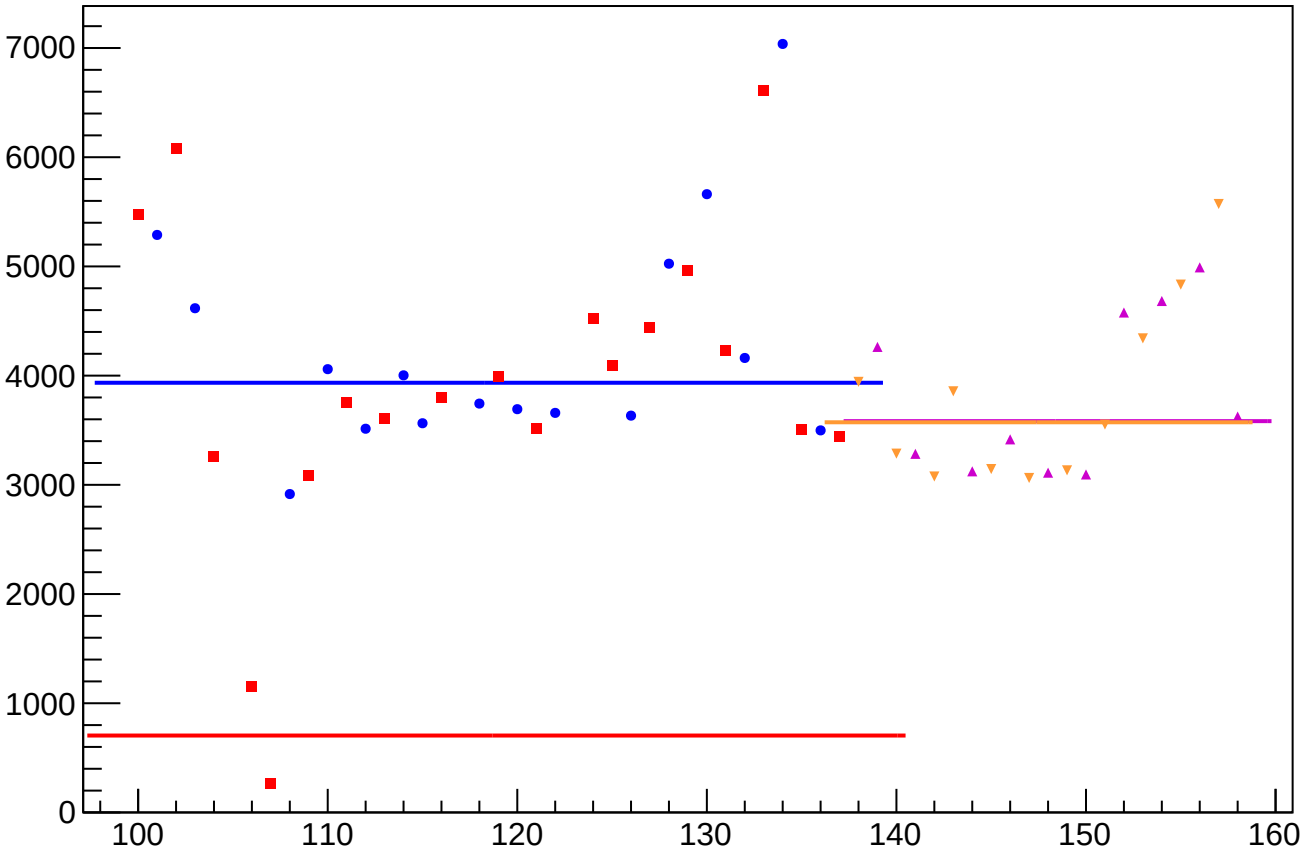
Left: -1159.334+/-874.686 χ^2/NDF: 14.2/20

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 22.141+/-953.548 χ^2/NDF:19.5/25

Out: -161.047+/-468.247 χ^2/NDF:28.7/29

All: -125.456+/-420.306 χ^2/NDF: 48.2/55



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3572.845+/-0.877 χ^2/NDF:537061.4/10

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3583.245+/-0.873 χ^2/NDF:491518.0/9

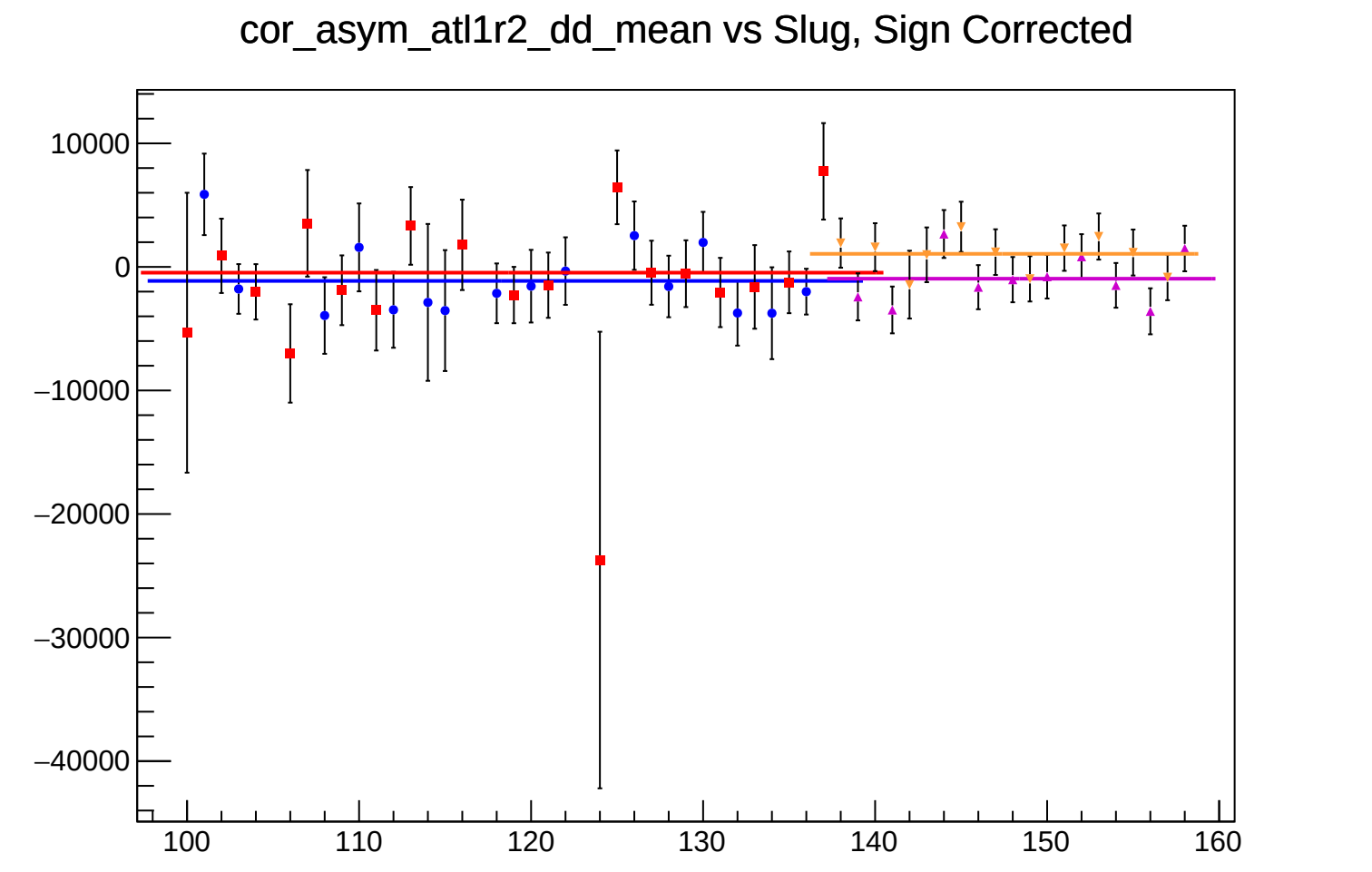
Left: 3578.069+/-0.618 χ^2/NDF: 1028650.1/20

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

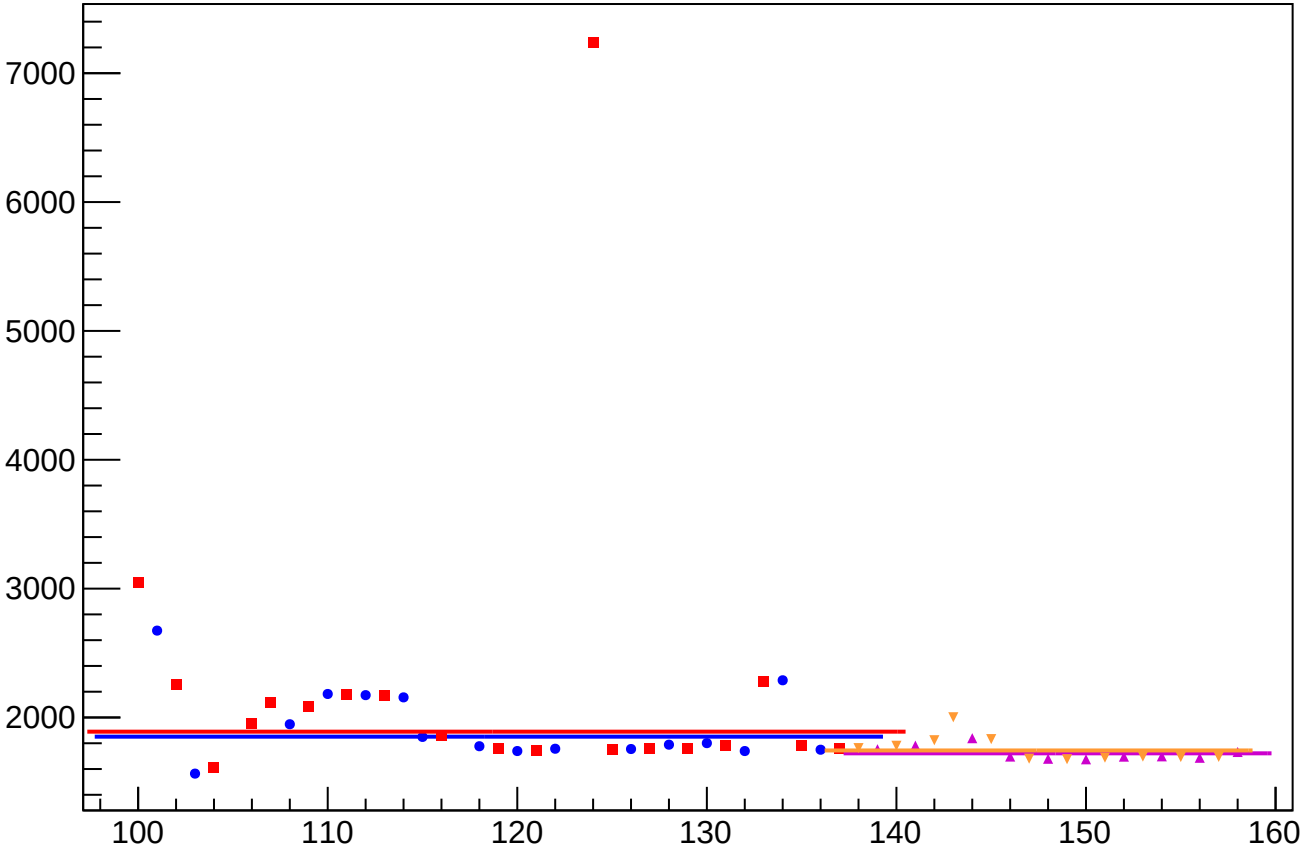
In: 3724.878+/-0.674 χ^2/NDF:1117016.5/25

Out: 1113.466+/-0.331 χ^2/NDF:20332970.9/29

All: 1620.831+/-0.297 χ^2/NDF: 33535784.4/5


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1057.567+/-592.338 χ²/NDF:5.2/10
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -955.261+/-583.152 χ²/NDF:10.8/9
Left: 35.424+/-415.560 χ²/NDF: 21.8/20
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1029.344+/-446.403 χ²/NDF:23.1/25
Out: 428.114+/-453.759 χ²/NDF:27.9/29
All: -312.524+/-318.224 χ²/NDF: 56.3/55

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1744.072+/-0.419 χ^2/NDF:44525.3/10

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

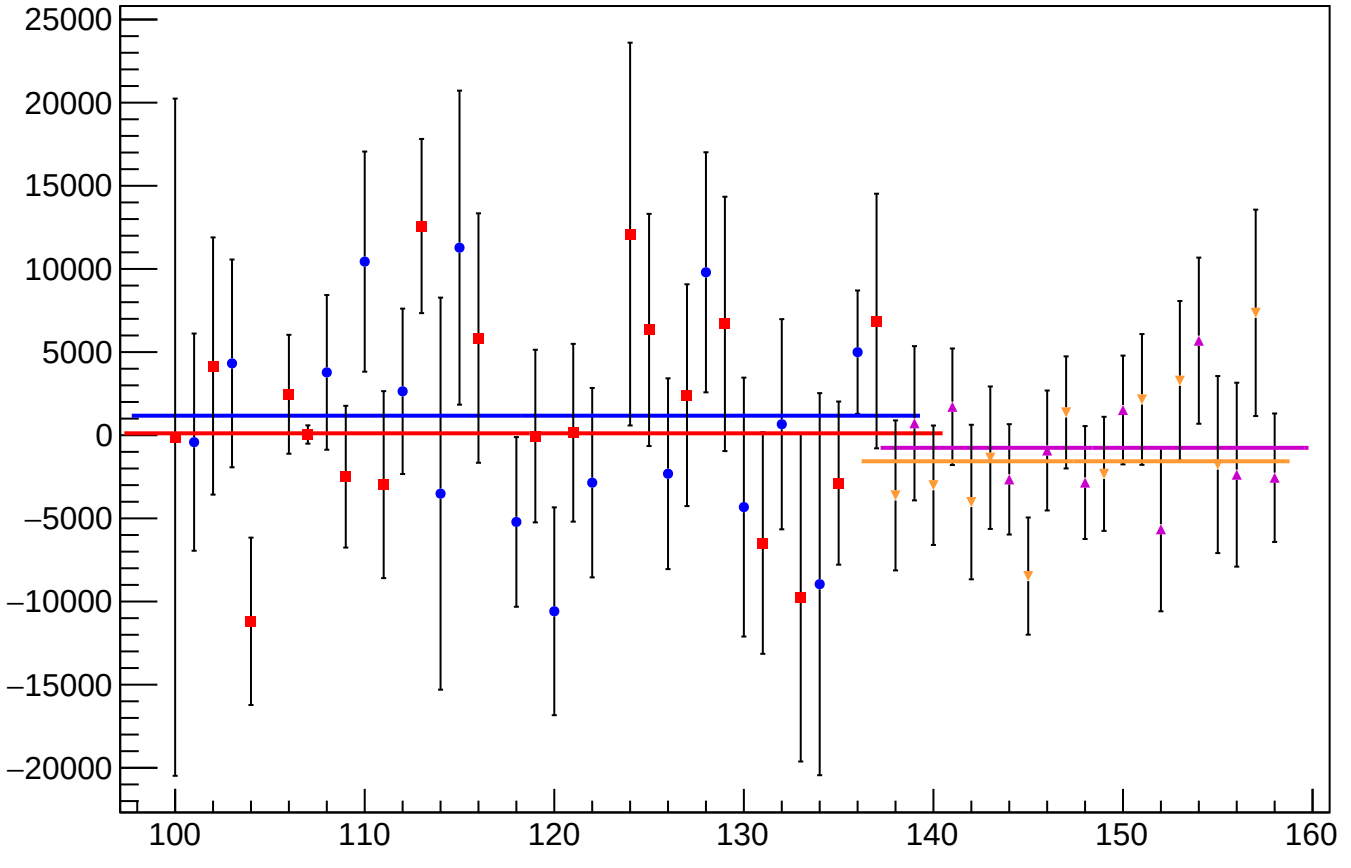
Left: 1732.772+/-0.294 χ^2/NDF: 60162.2/20

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1775.356+/-0.316 χ^2/NDF:314898.1/25

Out: 1804.508+/-0.321 χ^2/NDF:453914.5/29

All: 1789.706+/-0.225 χ^2/NDF: 773011.1/55



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1566.291+/-1239.921 χ^2/NDF:9.3/10

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -756.322+/-1234.083 χ^2/NDF:4.7/9

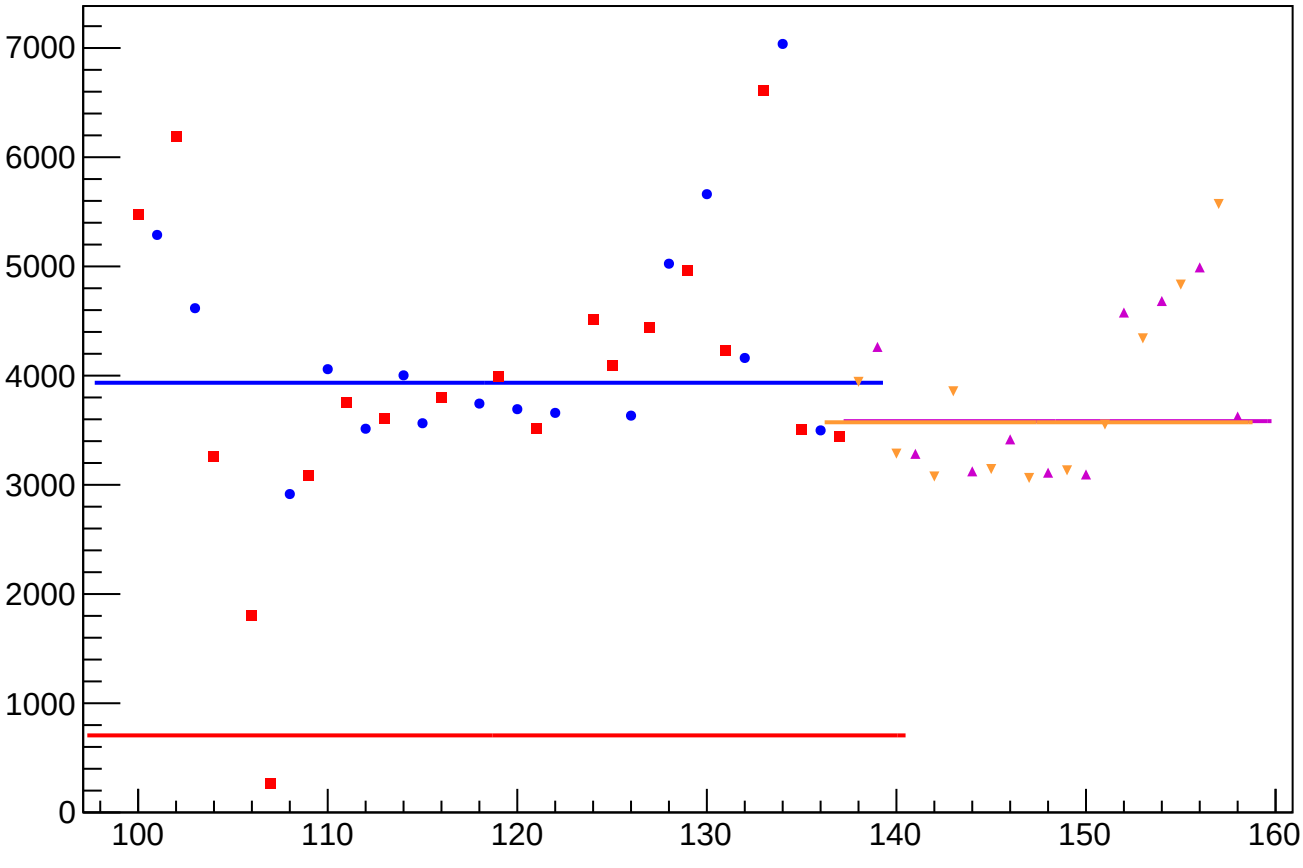
Left: -1159.395+/-874.685 χ^2/NDF: 14.2/20

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 22.101+/-953.550 χ^2/NDF:19.5/25

Out: -129.370+/-473.469 χ^2/NDF:29.4/29

All: -99.412+/-424.070 χ^2/NDF: 48.9/55



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3572.833+/-0.877 χ^2/NDF:537065.6/10

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3583.247+/-0.873 χ^2/NDF:491510.6/9

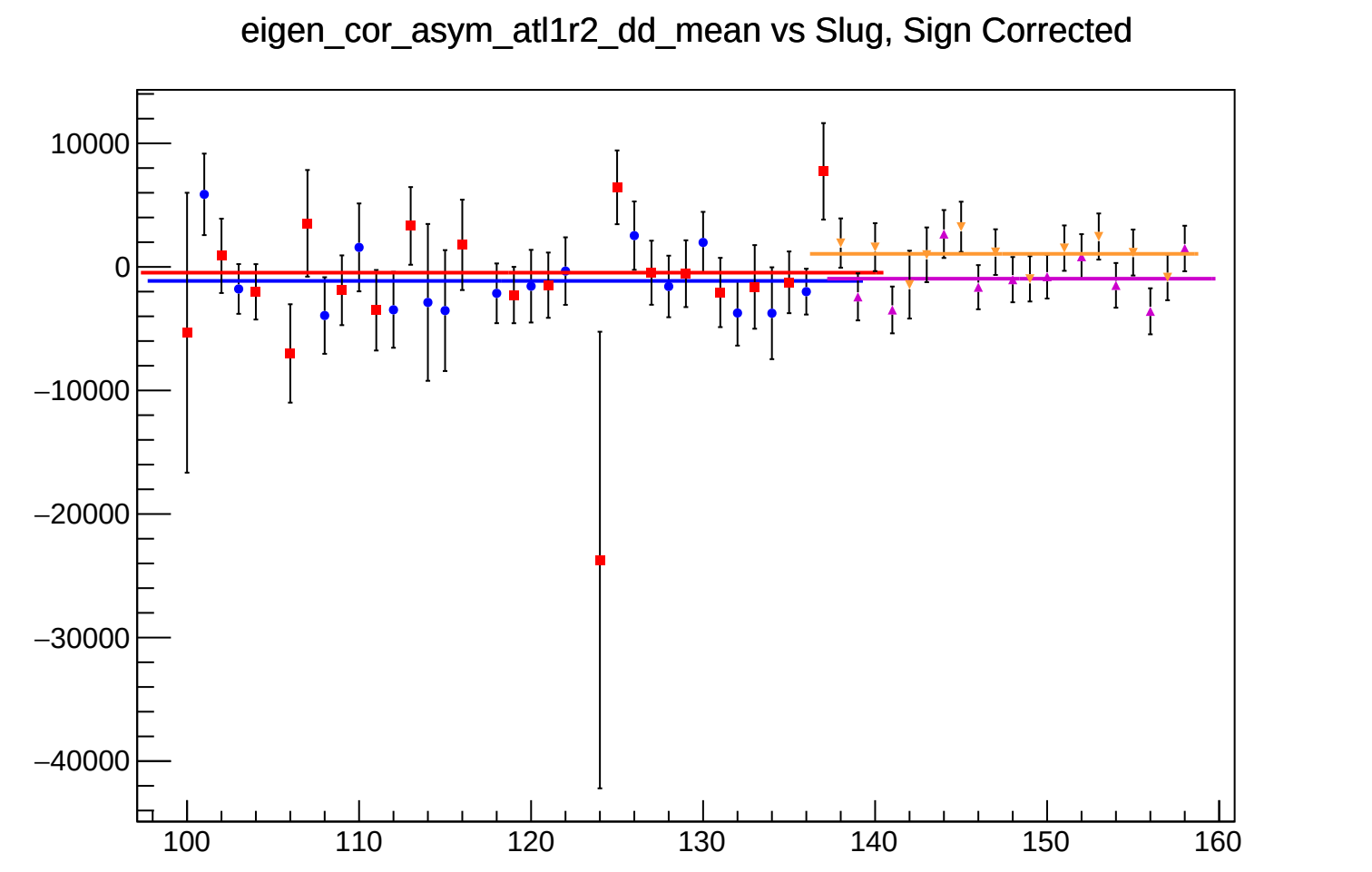
Left: 3578.064+/-0.618 χ^2/NDF: 1028647.1/20

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3724.882+/-0.674 χ^2/NDF:1117035.5/25

Out: 1123.696+/-0.335 χ^2/NDF:20419403.2/29

All: 1638.166+/-0.300 χ^2/NDF: 33475711.1/5



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1057.567+/-592.338 χ^2/NDF:5.2/10

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -955.261+/-583.152 χ^2/NDF:10.8/9

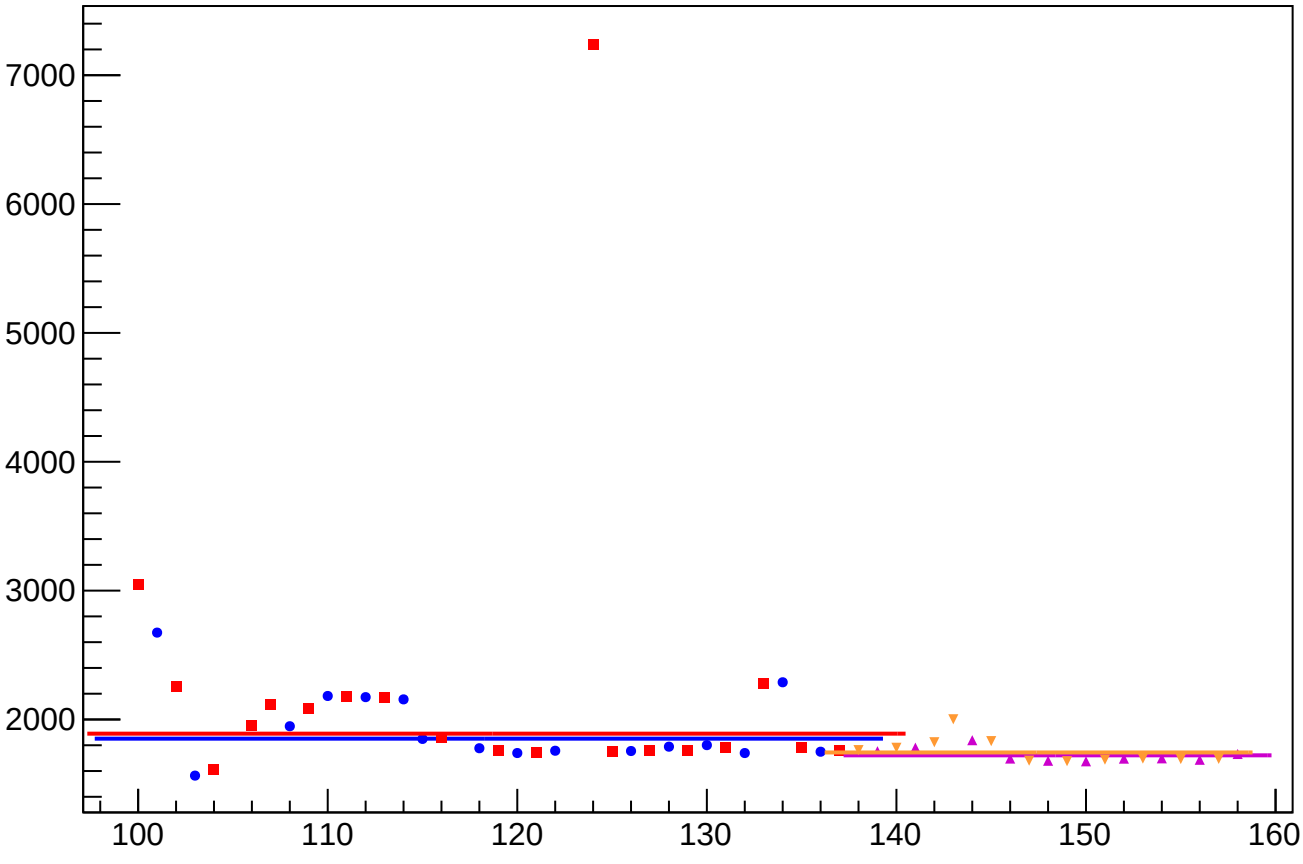
Left: 35.424+/-415.560 χ^2/NDF: 21.8/20

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1029.344+/-446.403 χ^2/NDF:23.1/25

Out: 428.114+/-453.759 χ^2/NDF:27.9/29

All: -312.524+/-318.224 χ^2/NDF: 56.3/55



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1744.072+/-0.419 χ^2/NDF:44525.3/10

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

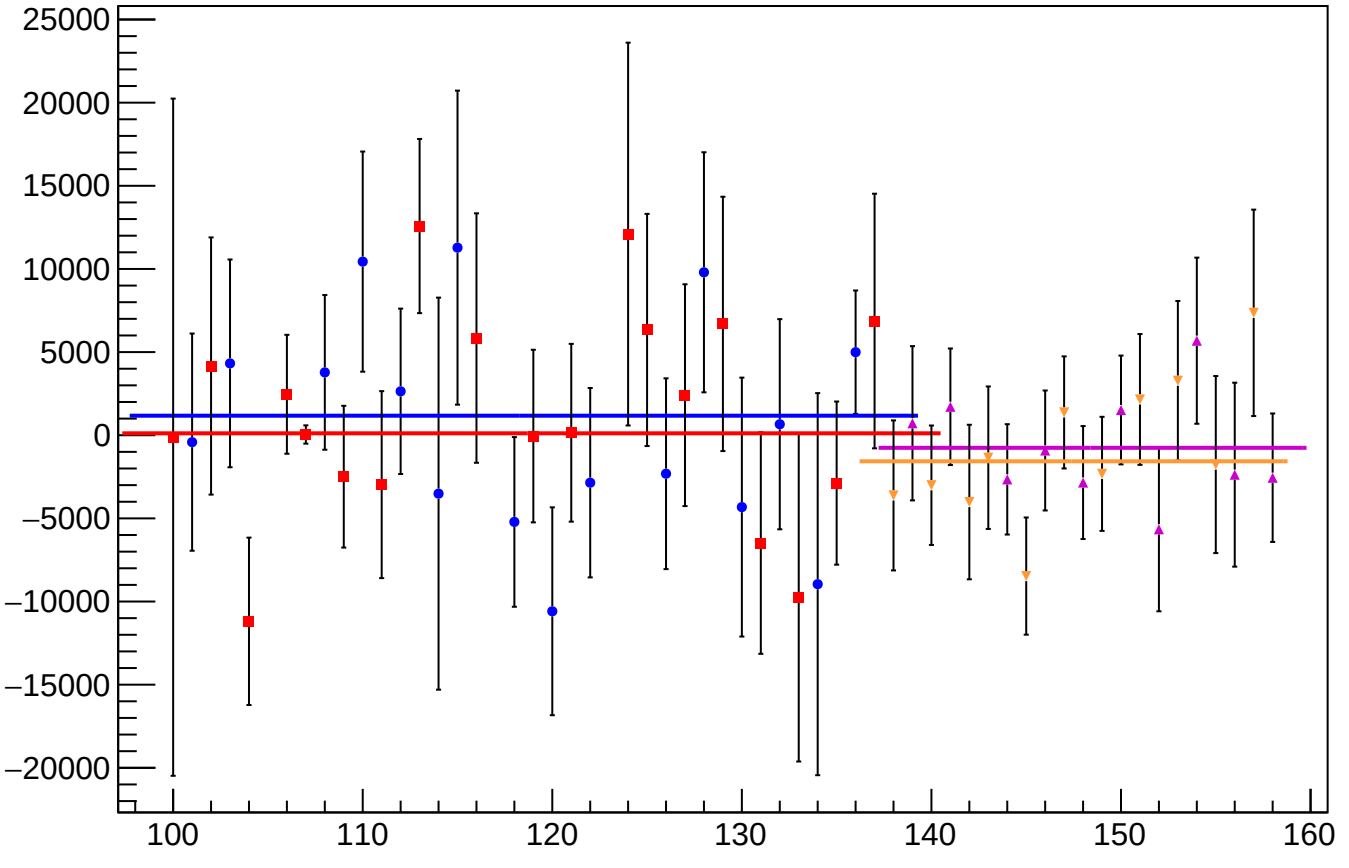
Left: 1732.772+/-0.294 χ^2/NDF: 60162.2/20

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1775.356+/-0.316 χ^2/NDF:314898.1/25

Out: 1804.508+/-0.321 χ^2/NDF:453914.5/29

All: 1789.706+/-0.225 χ^2/NDF: 773011.1/55



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1566.291+/-1239.921 χ^2/NDF:9.3/10

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -756.322+/-1234.083 χ^2/NDF:4.7/9

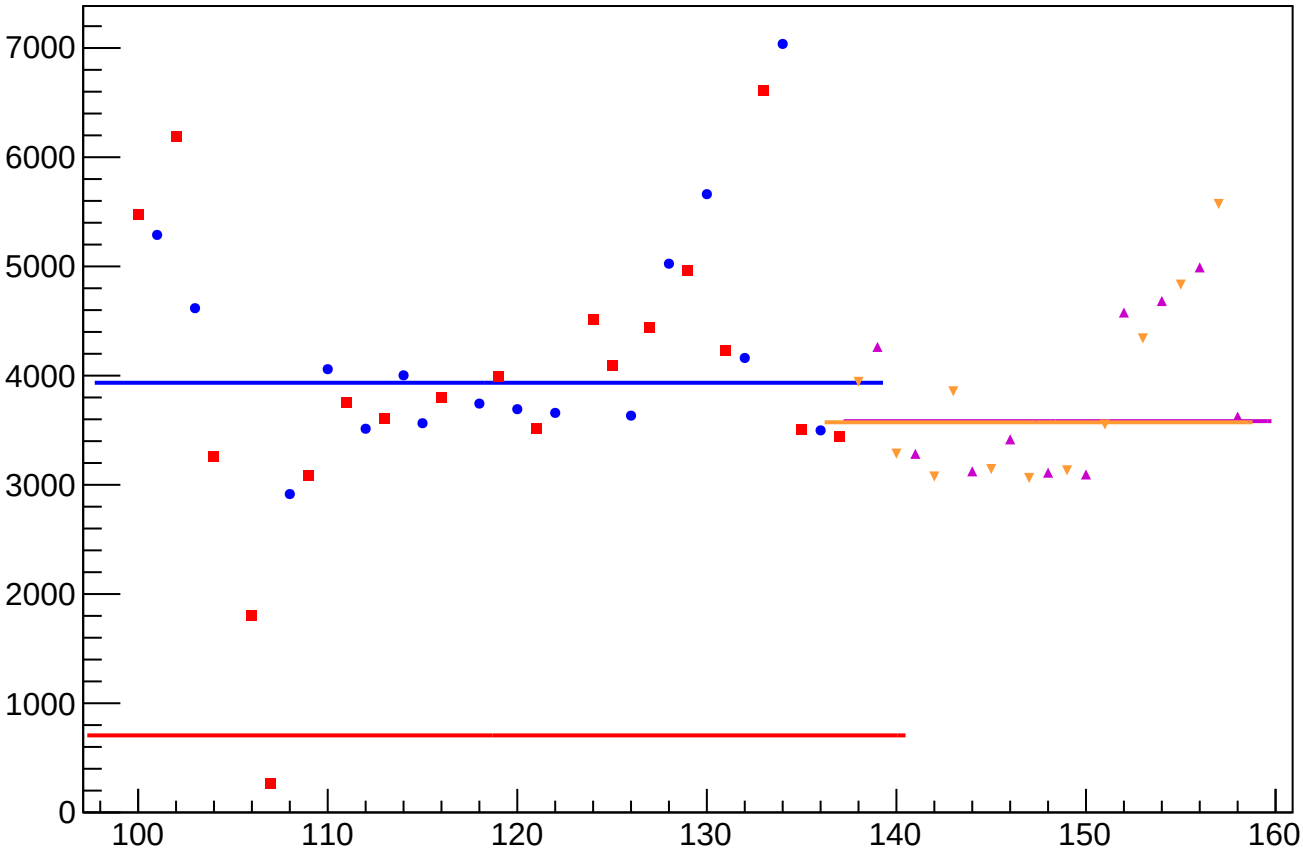
Left: -1159.395+/-874.685 χ^2/NDF: 14.2/20

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 22.101+/-953.550 χ^2/NDF:19.5/25

Out: -129.370+/-473.469 χ^2/NDF:29.4/29

All: -99.412+/-424.070 χ^2/NDF: 48.9/55



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3572.833+/-0.877 χ^2/NDF:537065.6/10

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3583.247+/-0.873 χ^2/NDF:491510.6/9

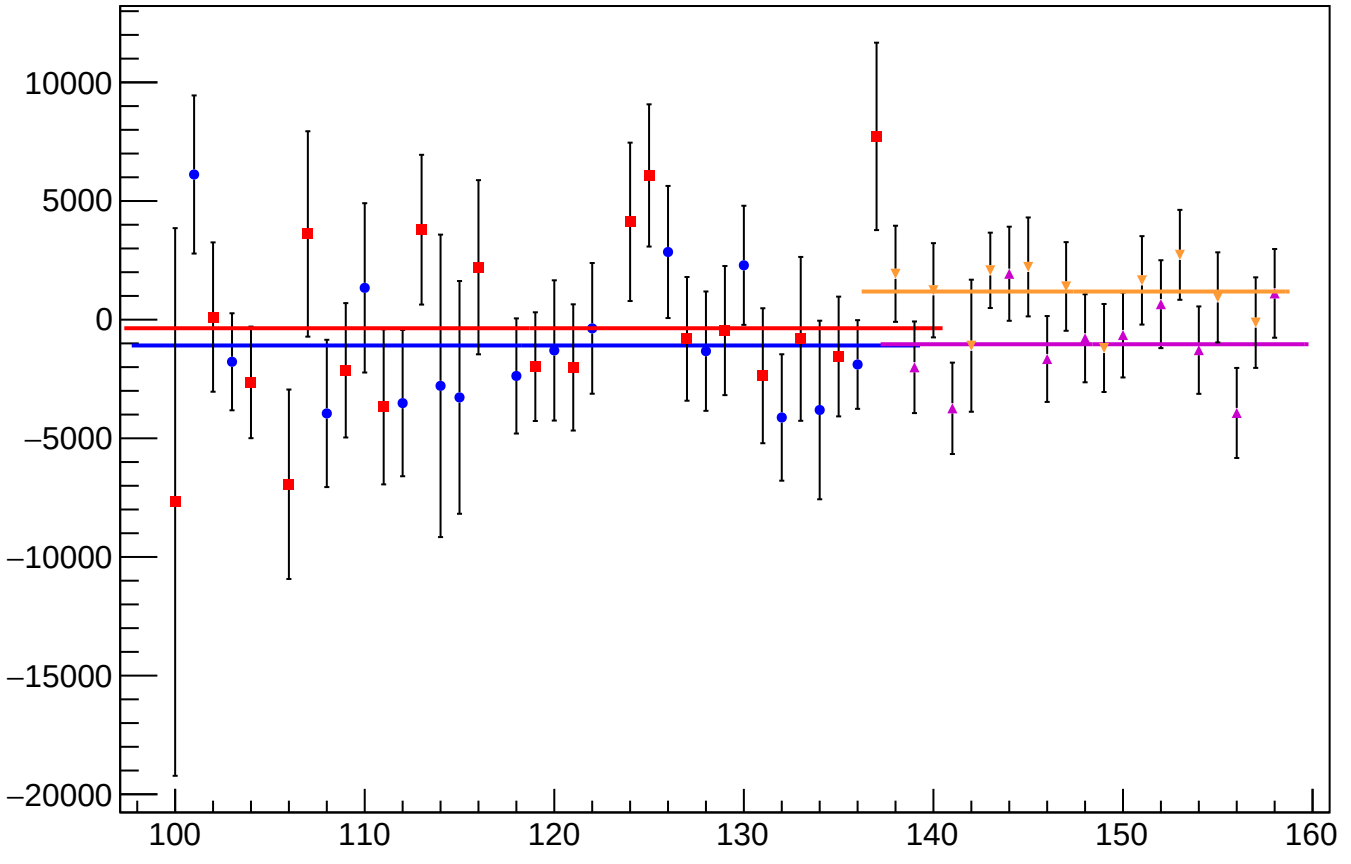
Left: 3578.064+/-0.618 χ^2/NDF: 1028647.1/20

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3724.882+/-0.674 χ^2/NDF:1117035.5/25

Out: 1123.696+/-0.335 χ^2/NDF:20419403.2/29

All: 1638.166+/-0.300 χ^2/NDF: 33475711.1/5



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1185.830+/-582.266 χ^2/NDF:4.3/10

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1035.656+/-592.230 χ^2/NDF:9.1/9

Left: 93.933+/-415.202 χ^2/NDF: 20.5/20

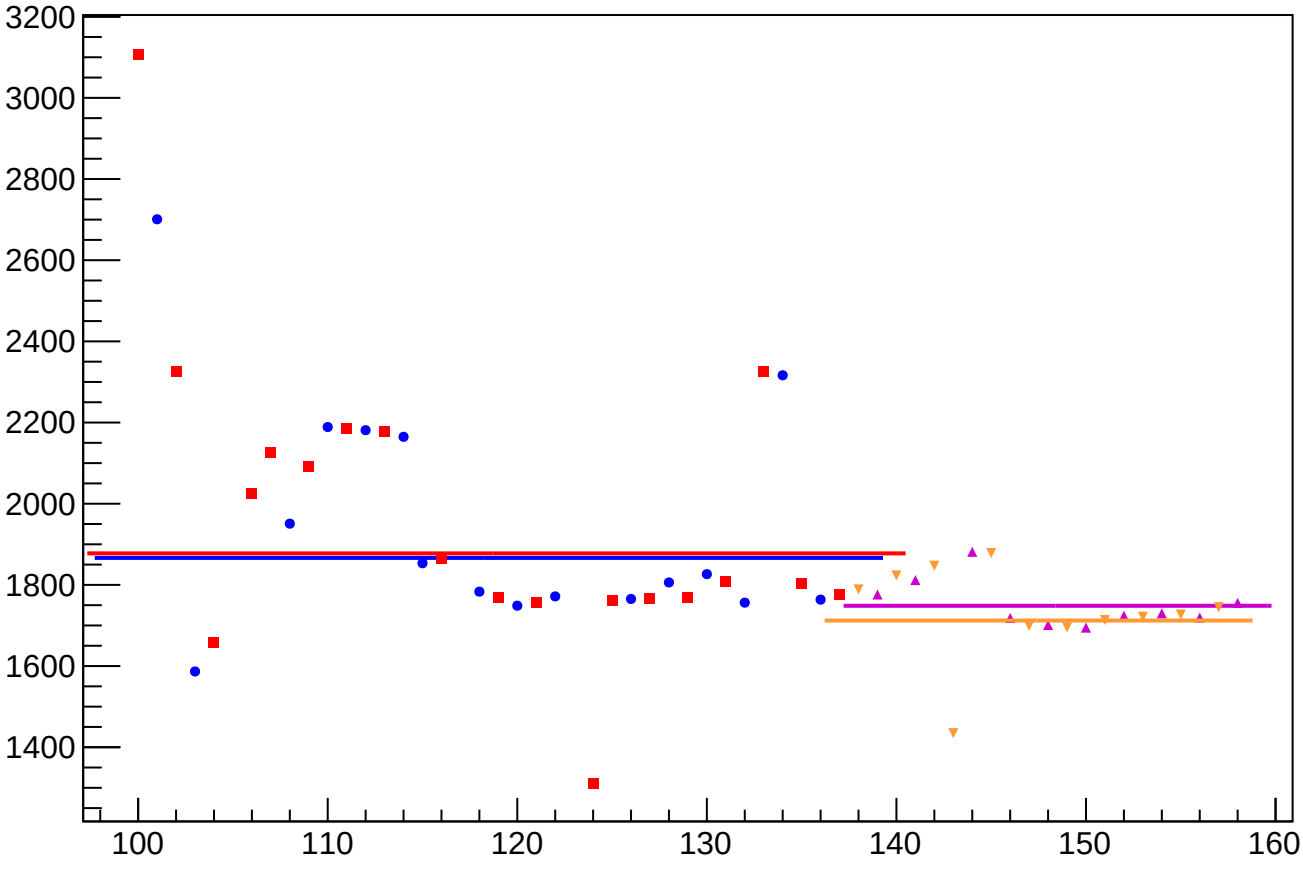
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1057.396+/-452.012 χ^2/NDF:22.3/25

Out: 552.806+/-447.557 χ^2/NDF:28.0/29

All: -244.321+/-318.034 χ^2/NDF: 56.7/55

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.157+/-0.412 χ^2/NDF:88710.6/10

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1748.499+/-0.419 χ^2/NDF:16287.5/9

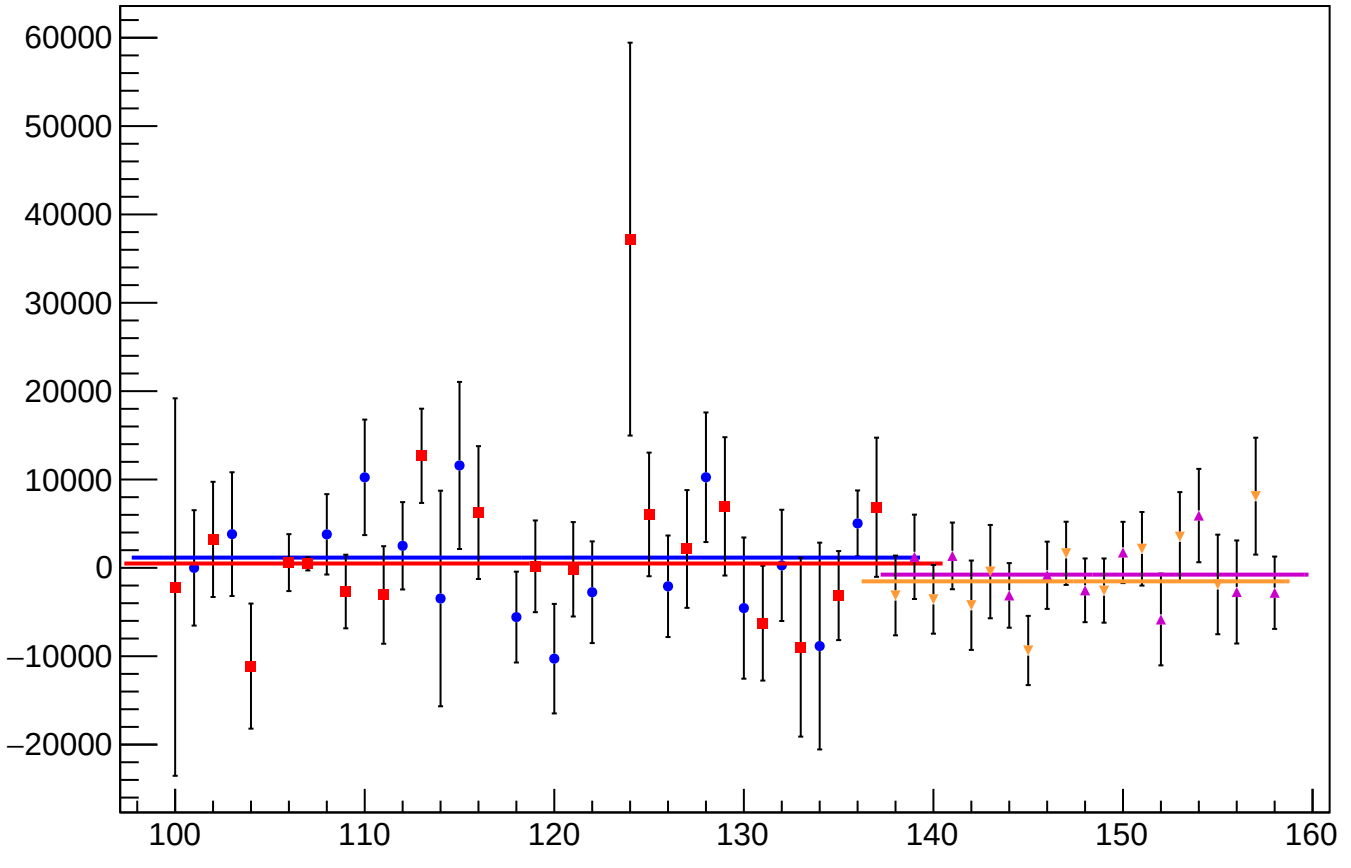
Left: 1730.019+/-0.294 χ^2/NDF: 108827.5/20

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1797.742+/-0.320 χ^2/NDF:305672.4/25

Out: 1779.943+/-0.316 χ^2/NDF:406742.4/29

All: 1788.752+/-0.225 χ^2/NDF: 713981.2/55



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -1526.876+/-1335.759 χ^2/NDF:9.5/10

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -765.426+/-1313.048 χ^2/NDF:4.6/9

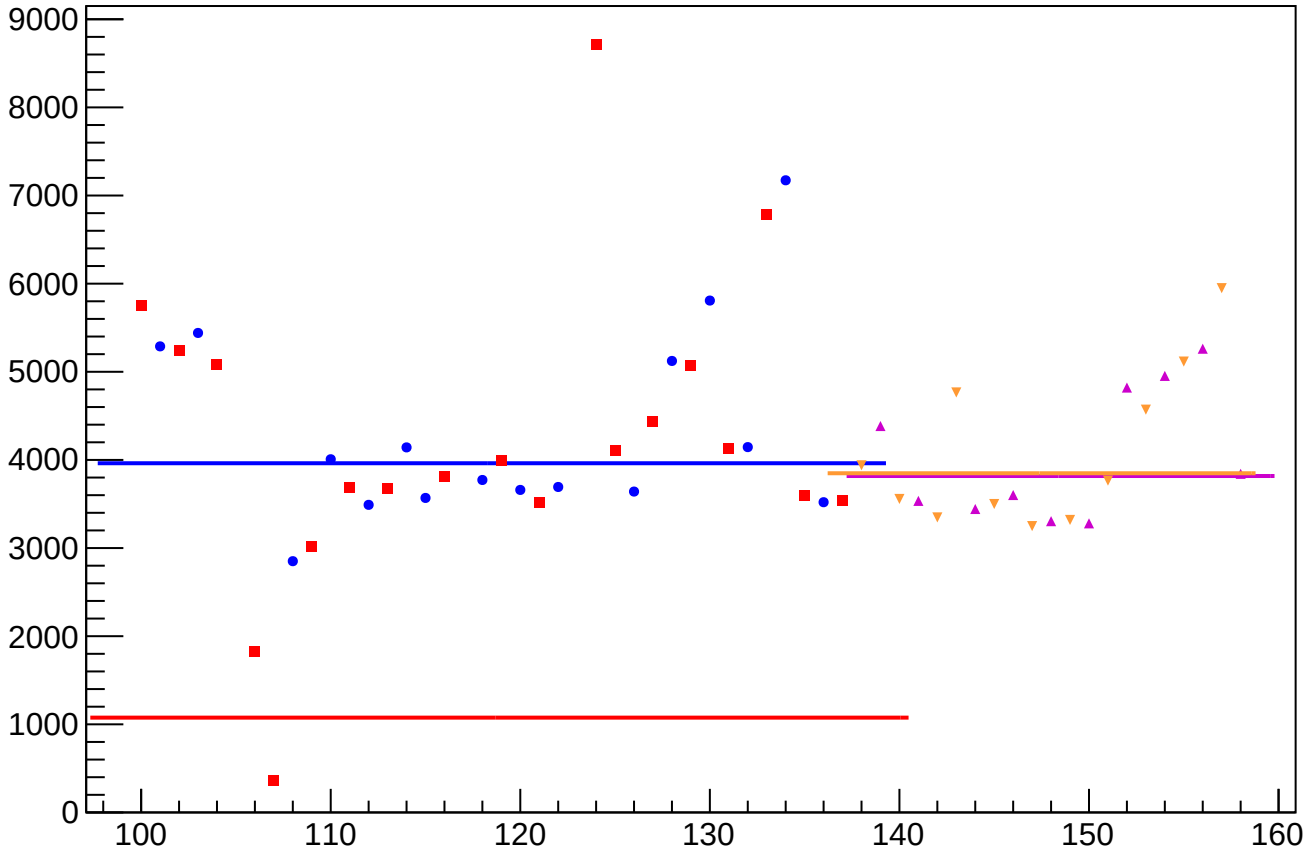
Left: -1139.623+/-936.392 χ^2/NDF: 14.3/20

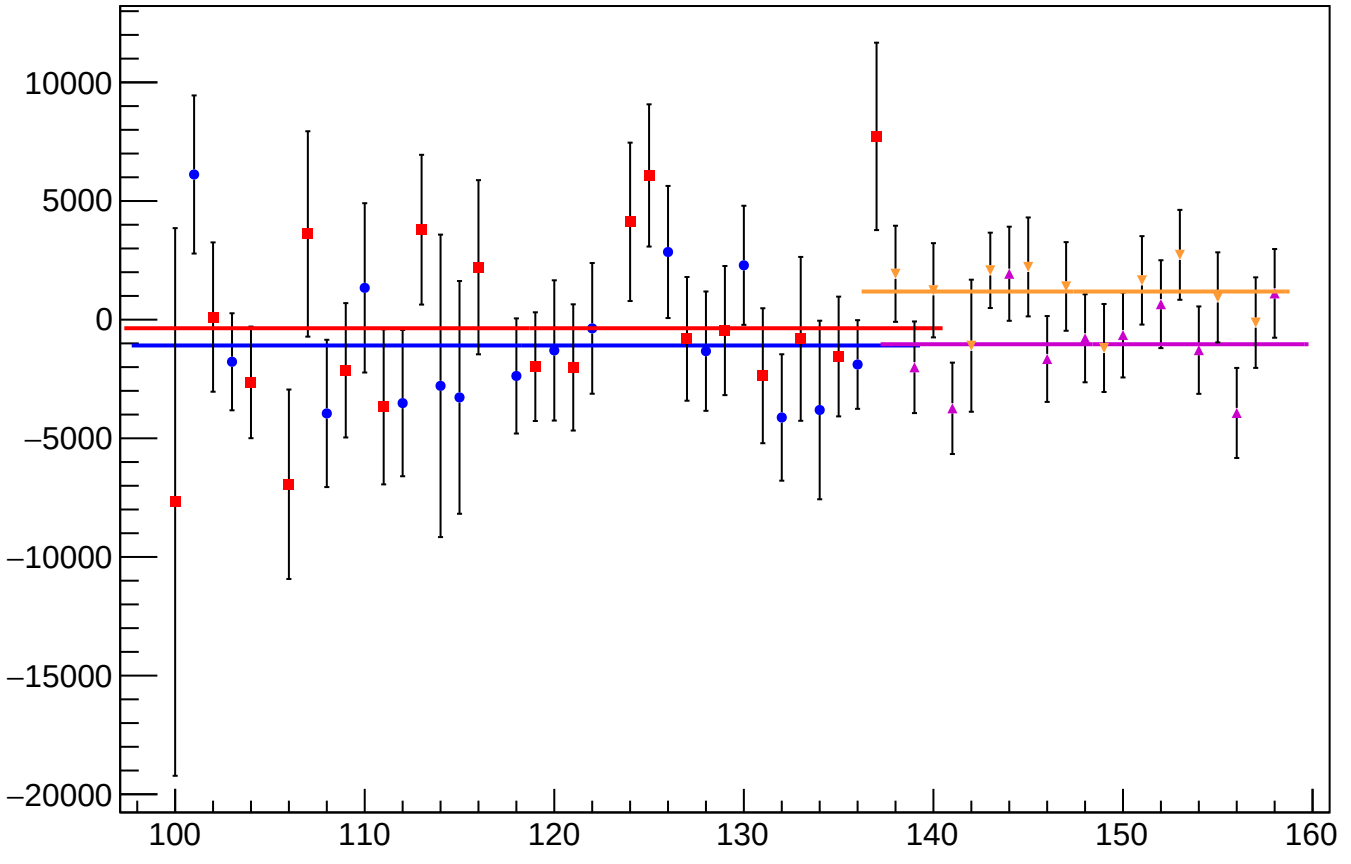
Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 62.702+/-991.460 χ^2/NDF:19.2/25

Out: 98.004+/-590.637 χ^2/NDF:28.3/29

All: 88.757+/-507.422 χ^2/NDF: 47.5/55


asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
Right In: 3962.368+/-1.069 χ²/NDF: 668339.6/15
Left Out: 3848.753+/-0.945 χ²/NDF:550750.9/10
Right Out: 1075.957+/-0.466 χ²/NDF: 9558372.9/18
Left In: 3817.487+/-0.928 χ²/NDF:445005.6/9
Left: 3832.852+/-0.662 χ²/NDF: 996313.8/20
Right: 1536.045+/-0.427 χ²/NDF: 16351680.6/34
In: 3879.764+/-0.701 χ²/NDF:1123811.8/25
Out: 1618.087+/-0.418 χ²/NDF:17042203.1/29
All: 2210.492+/-0.359 χ²/NDF: 25847362.4/5



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1185.831+/-582.266 χ^2/NDF:4.3/10

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1035.654+/-592.231 χ^2/NDF:9.1/9

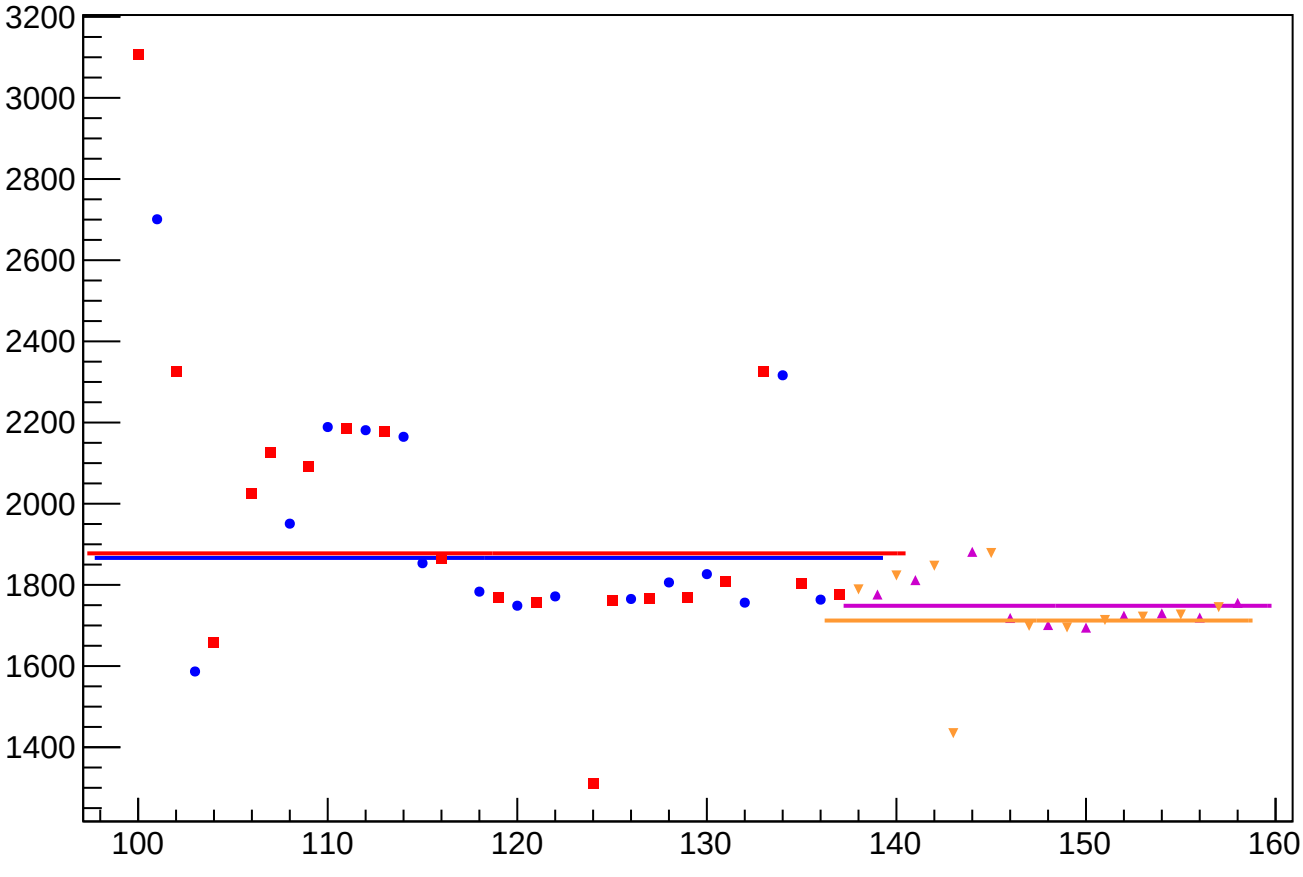
Left: 93.934+/-415.203 χ^2/NDF: 20.5/20

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1057.397+/-452.012 χ^2/NDF:22.3/25

Out: 552.804+/-447.557 χ^2/NDF:28.0/29

All: -244.323+/-318.034 χ^2/NDF: 56.7/55



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.157+/-0.412 χ^2/NDF:88709.7/10

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1748.499+/-0.419 χ^2/NDF:16287.4/9

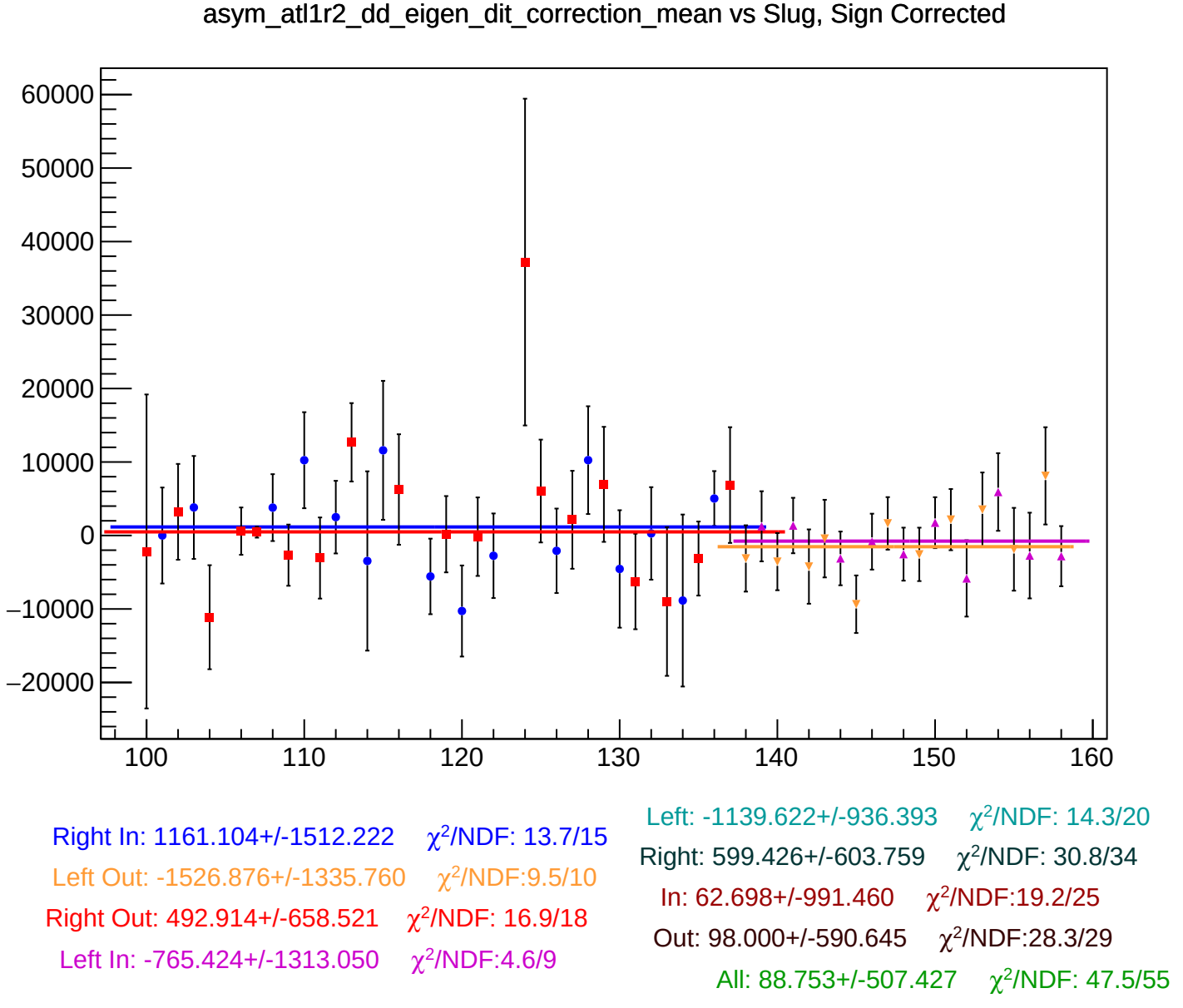
Left: 1730.020+/-0.294 χ^2/NDF: 108826.5/20

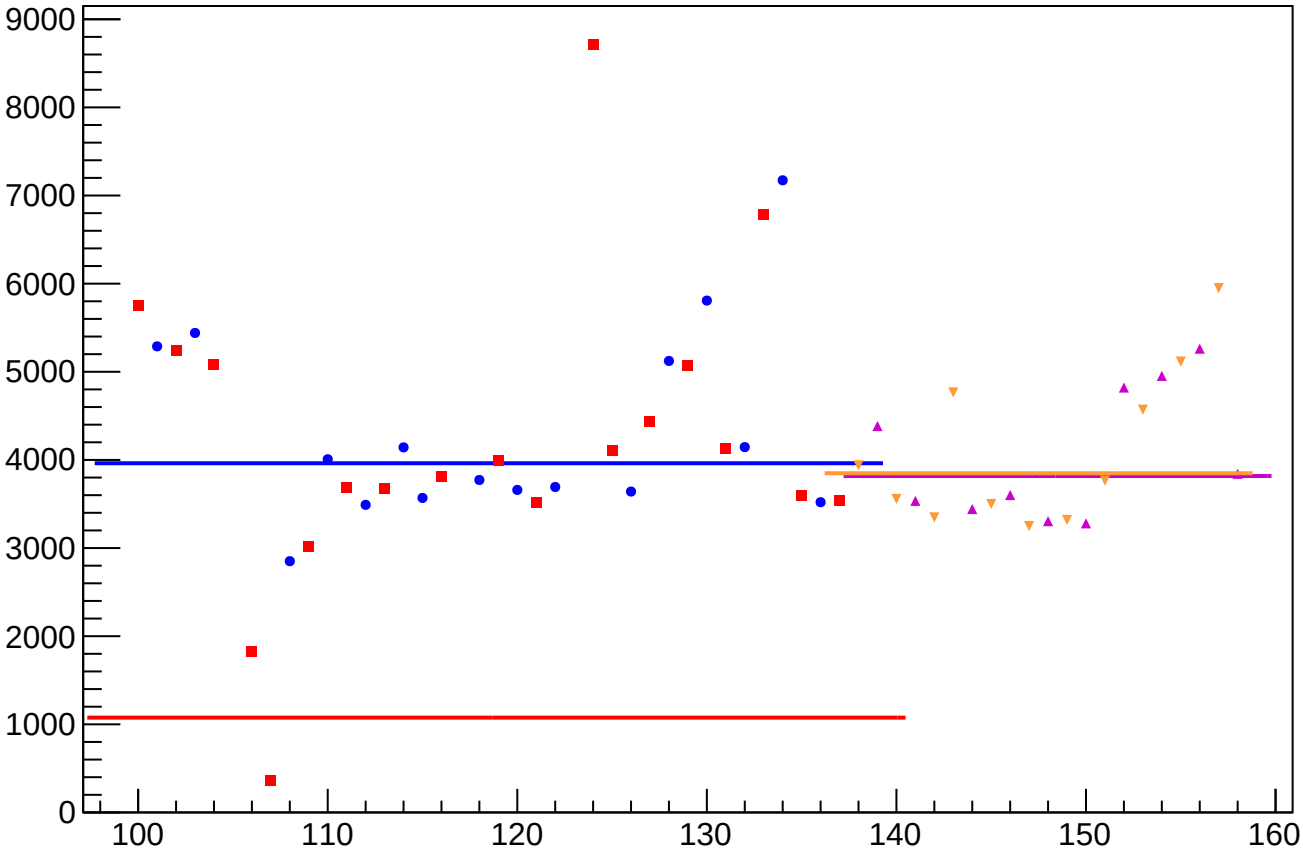
Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1797.742+/-0.320 χ^2/NDF:305671.8/25

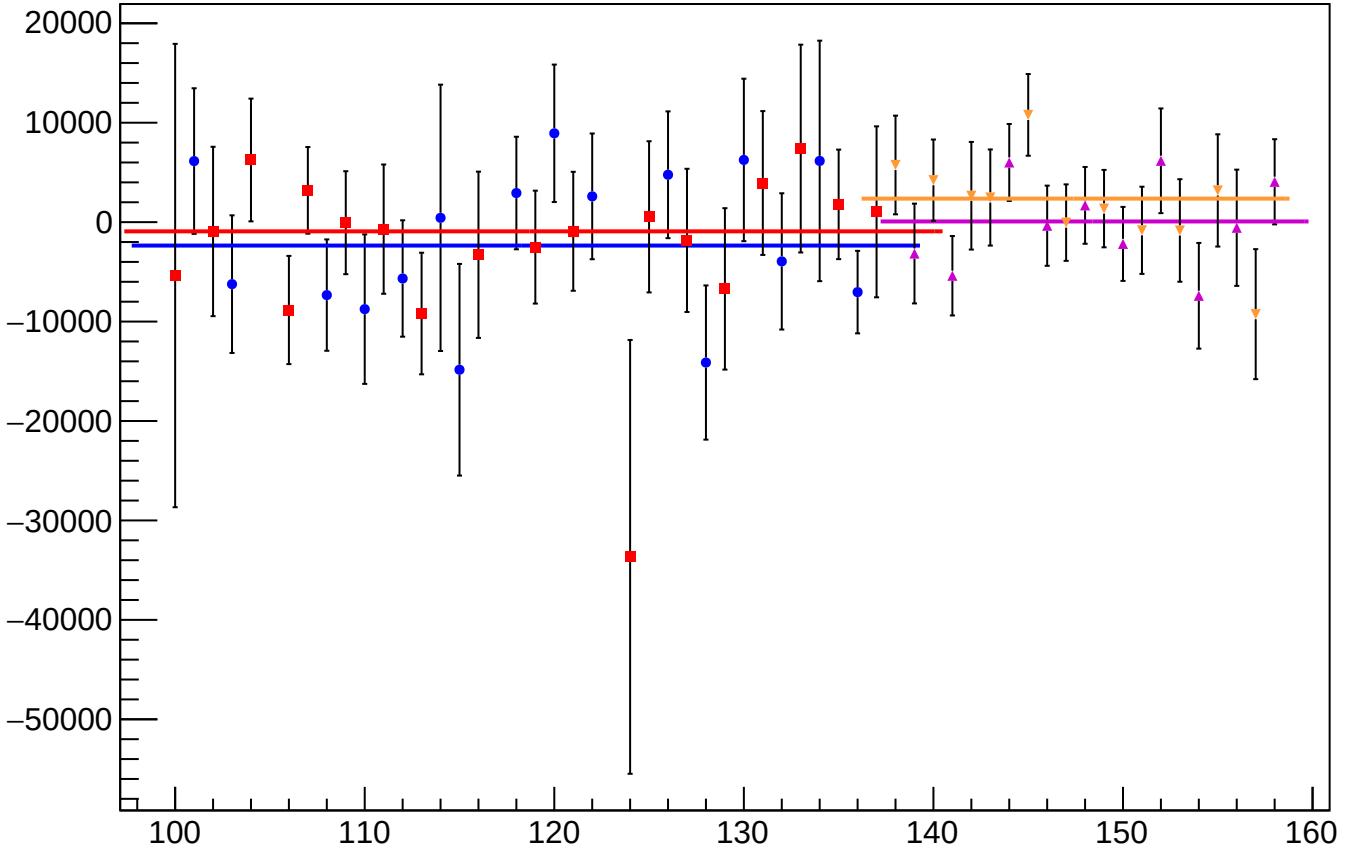
Out: 1779.944+/-0.316 χ^2/NDF:406741.1/29

All: 1788.752+/-0.225 χ^2/NDF: 713979.3/55


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 1161.104+/-1512.222 χ²/NDF: 13.7/15
Left Out: -1526.876+/-1335.760 χ²/NDF:9.5/10
Right Out: 492.914+/-658.521 χ²/NDF: 16.9/18
Left In: -765.424+/-1313.050 χ²/NDF:4.6/9
Left: -1139.622+/-936.393 χ²/NDF: 14.3/20
Right: 599.426+/-603.759 χ²/NDF: 30.8/34
In: 62.698+/-991.460 χ²/NDF:19.2/25
Out: 98.000+/-590.645 χ²/NDF:28.3/29
All: 88.753+/-507.427 χ²/NDF: 47.5/55


asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
Right In: 3962.361+/-1.069 χ²/NDF: 668335.9/15
Left Out: 3848.757+/-0.945 χ²/NDF:550748.4/10
Right Out: 1075.988+/-0.466 χ²/NDF: 9558243.3/18
Left In: 3817.492+/-0.928 χ²/NDF:445003.9/9
Left: 3832.856+/-0.662 χ²/NDF: 996309.6/20
Right: 1536.084+/-0.427 χ²/NDF: 16351375.7/34
In: 3879.764+/-0.701 χ²/NDF:1123804.9/25
Out: 1618.126+/-0.418 χ²/NDF:17041882.1/29
All: 2210.533+/-0.359 χ²/NDF: 25846718.0/5

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 2366.378+/-1393.981 χ^2/NDF:9.4/10

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 69.050+/-1379.880 χ^2/NDF:9.4/9

Left: 1206.036+/-980.670 χ^2/NDF: 20.2/20

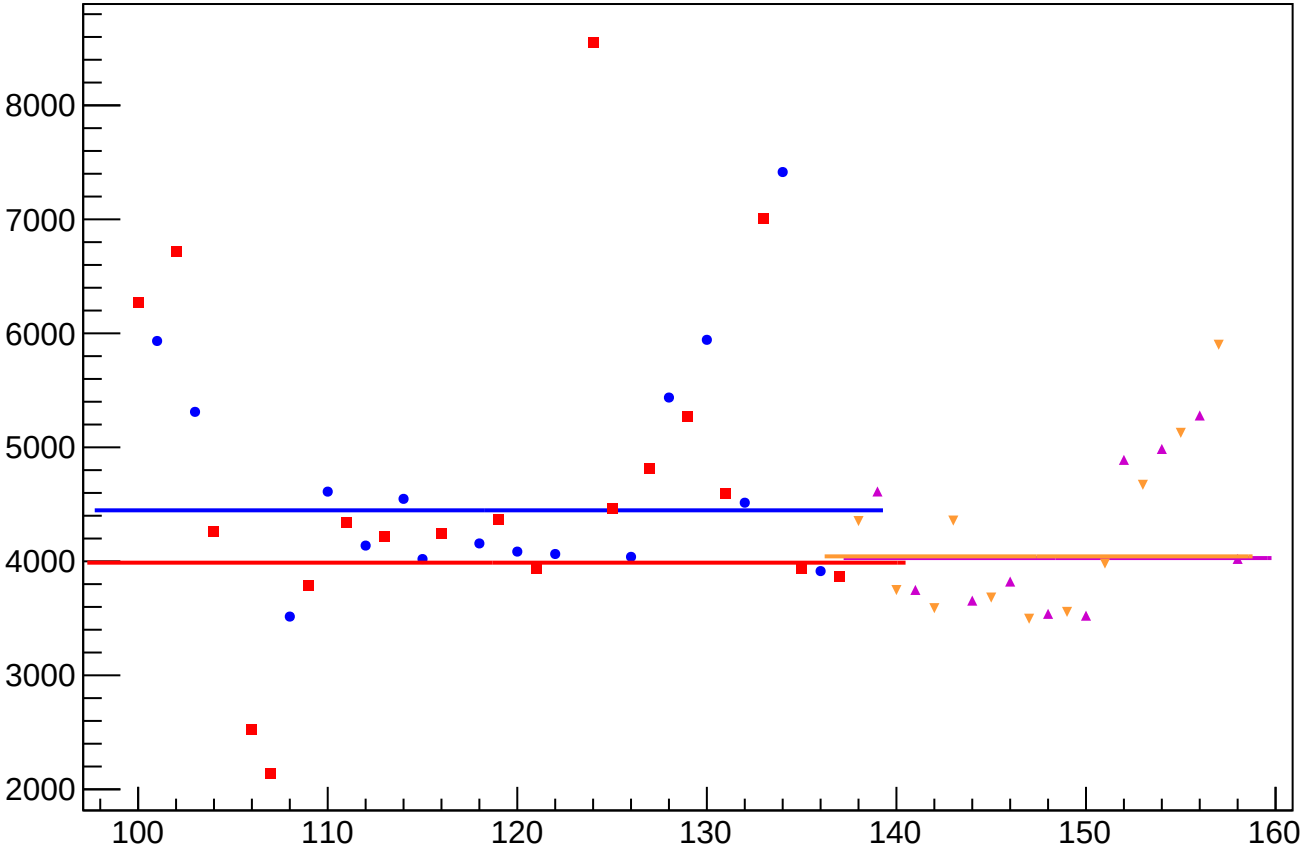
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -904.110+/-1067.527 χ^2/NDF:26.2/25

Out: 891.406+/-1035.545 χ^2/NDF:22.5/29

All: 20.947+/-743.290 χ^2/NDF: 50.2/55

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4043.552+/-0.986 χ^2/NDF:393070.7/10

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4028.616+/-0.976 χ^2/NDF:339677.3/9

Left: 4036.008+/-0.693 χ^2/NDF: 732864.0/20

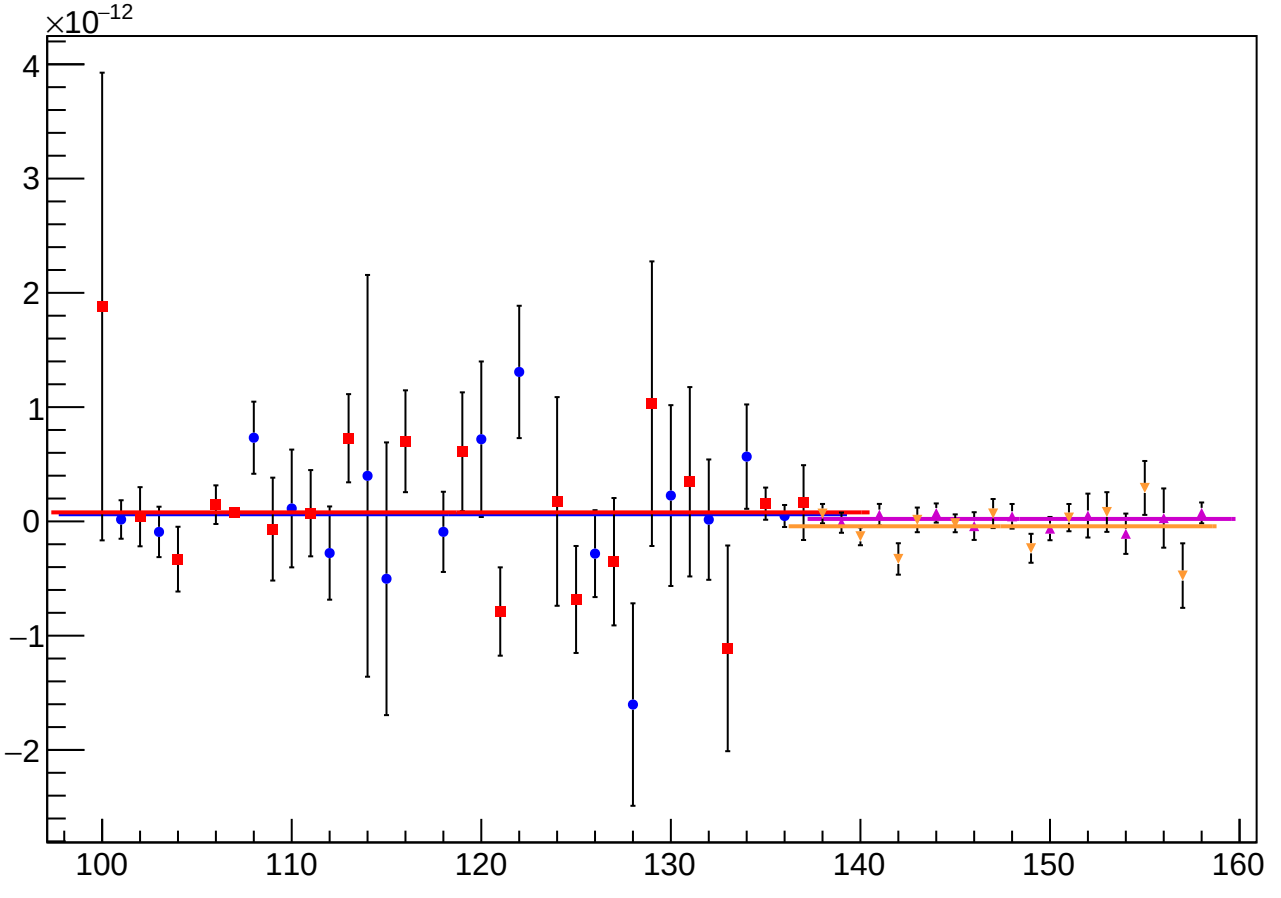
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4196.761+/-0.755 χ^2/NDF:871896.9/25

Out: 4018.495+/-0.729 χ^2/NDF:1538429.3/29

All: 4104.518+/-0.524 χ^2/NDF: 2439184.8/55

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/9

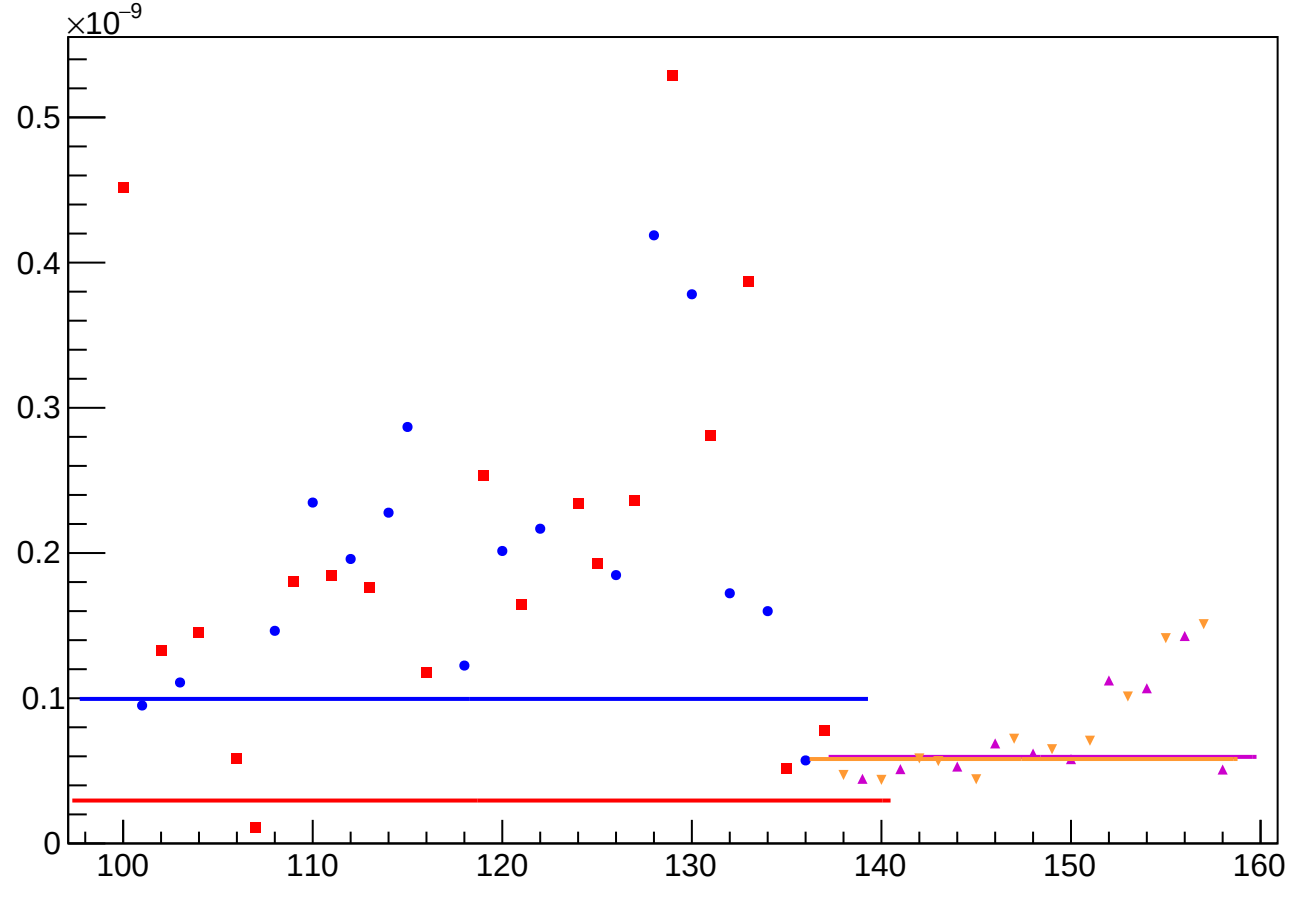
Left: -0.000+/-0.000 χ^2/NDF: 20.3/20

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:20.3/25

Out: 0.000+/-0.000 χ^2/NDF:42.6/29

All: 0.000+/-0.000 χ^2/NDF: 63.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:804986.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:618103.4/9

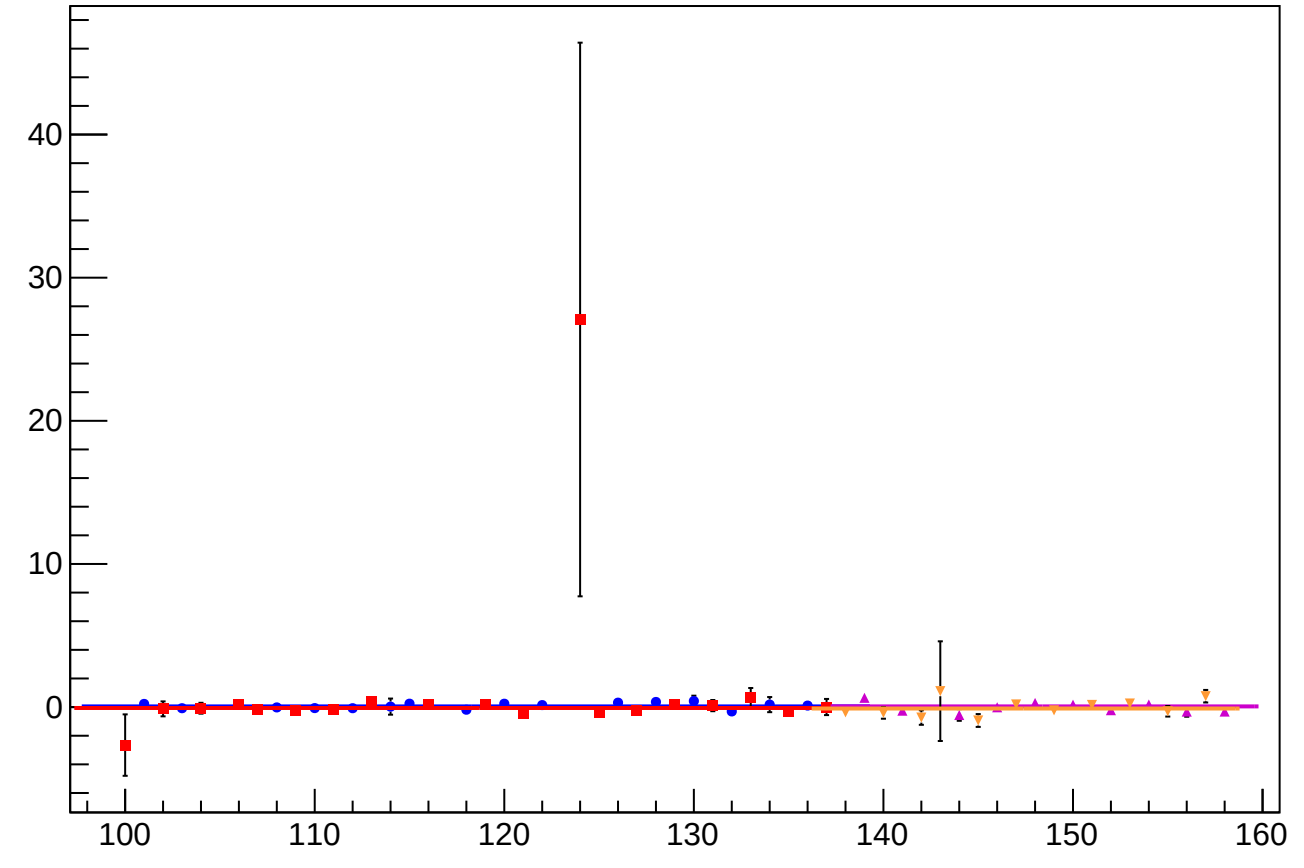
Left: 0.000+/-0.000 χ^2/NDF: 1424934.4/20

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2726050.3/25

Out: 0.000+/-0.000 χ^2/NDF:5889777.4/29

All: 0.000+/-0.000 χ^2/NDF: 9393633.6/55



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.049+/-0.096 χ^2/NDF:13.5/9

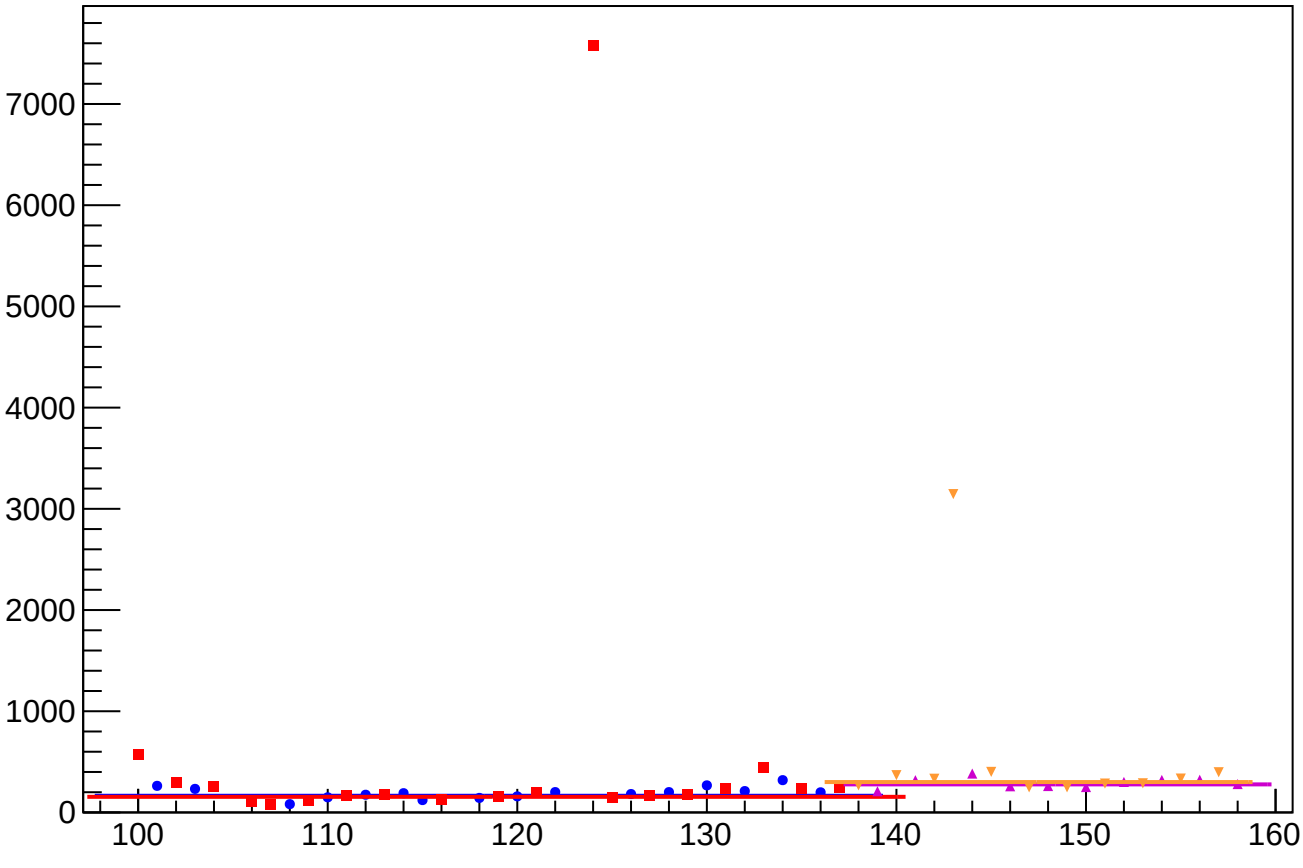
Left: -0.016+/-0.072 χ^2/NDF: 28.2/20

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.049+/-0.055 χ^2/NDF:21.1/25

Out: -0.071+/-0.055 χ^2/NDF:32.2/29

All: -0.010+/-0.039 χ^2/NDF: 55.7/55



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.430+/-0.077 χ^2/NDF:1794291.7/10

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 277.296+/-0.068 χ^2/NDF:441459.9/9

Left: 287.454+/-0.051 χ^2/NDF: 2286723.0/20

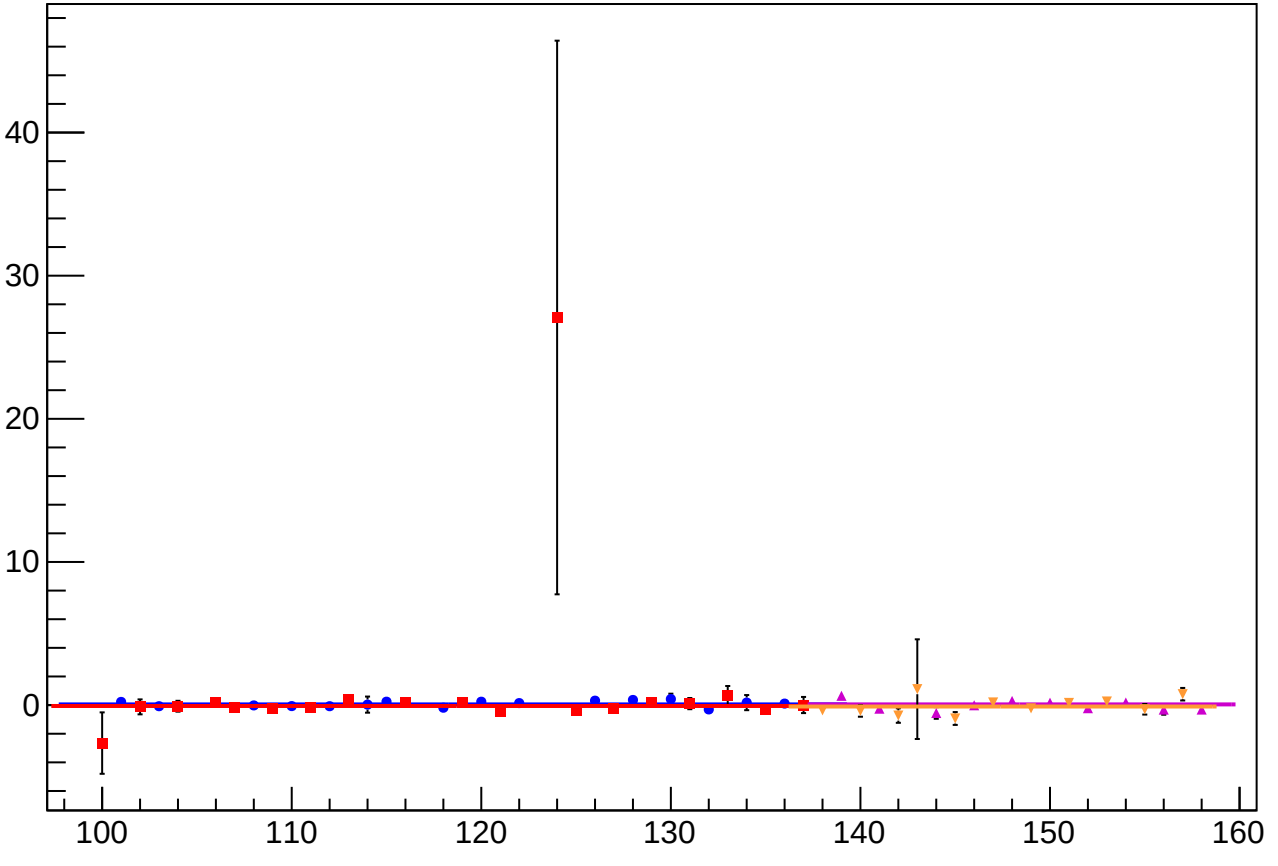
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 201.235+/-0.039 χ^2/NDF:3770940.7/25

Out: 192.422+/-0.039 χ^2/NDF:6393940.6/29

All: 196.890+/-0.027 χ^2/NDF: 10190556.8/55

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: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.049+/-0.096 χ^2/NDF:13.5/9

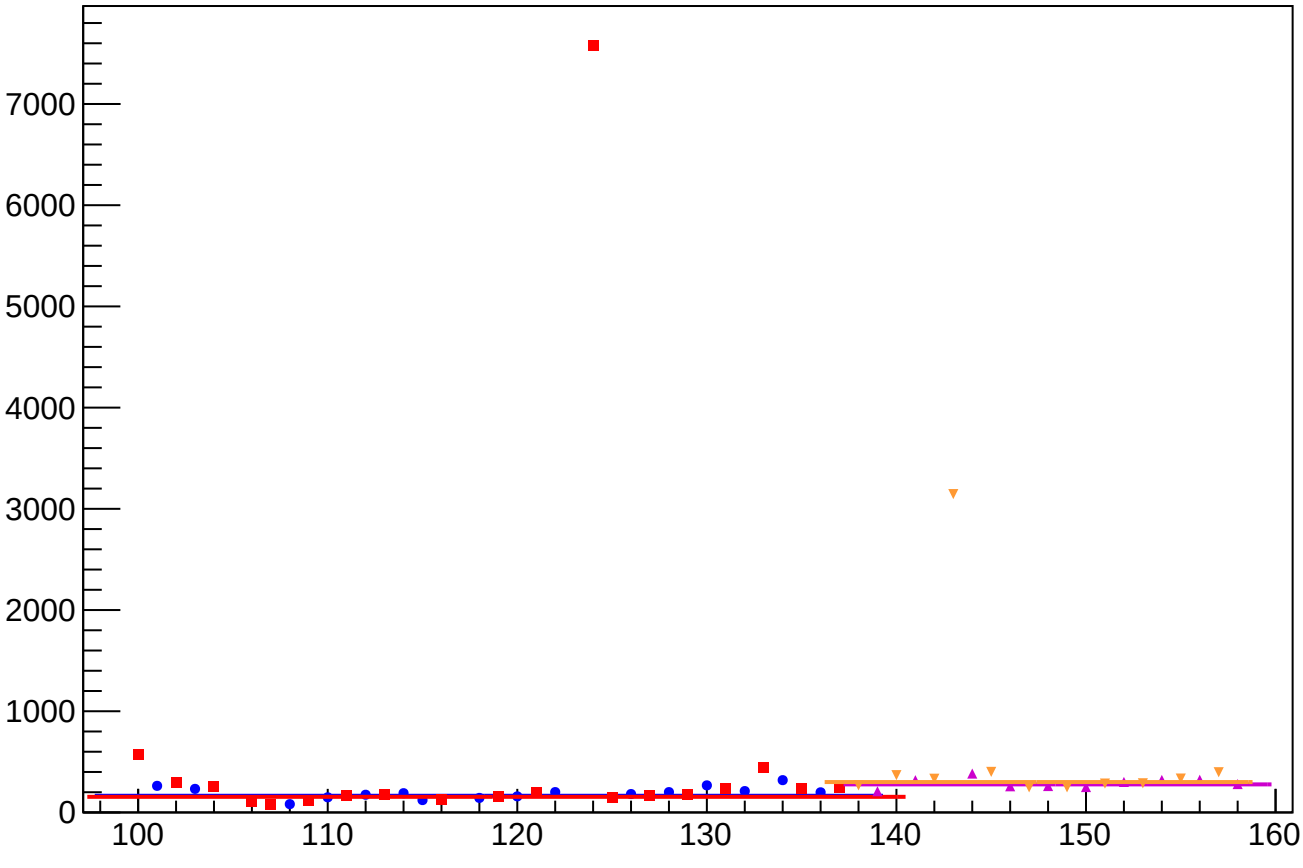
Left: -0.016+/-0.072 χ^2/NDF: 28.2/20

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.049+/-0.055 χ^2/NDF:21.1/25

Out: -0.071+/-0.055 χ^2/NDF:32.2/29

All: -0.010+/-0.039 χ^2/NDF: 55.7/55



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.430+/-0.077 χ^2/NDF:1794291.7/10

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 277.296+/-0.068 χ^2/NDF:441459.9/9

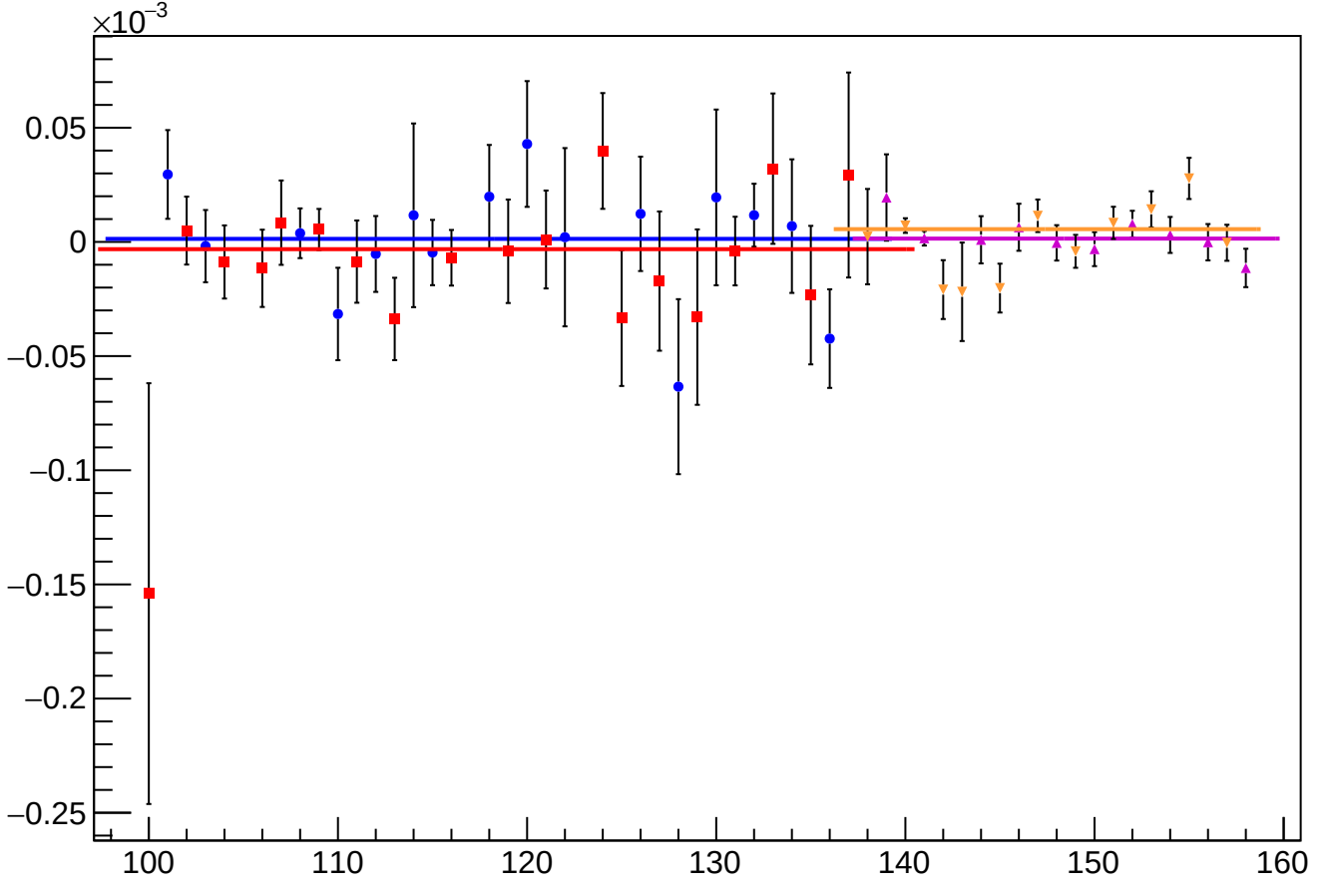
Left: 287.454+/-0.051 χ^2/NDF: 2286723.0/20

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 201.235+/-0.039 χ^2/NDF:3770940.7/25

Out: 192.422+/-0.039 χ^2/NDF:6393940.6/29

All: 196.890+/-0.027 χ^2/NDF: 10190556.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

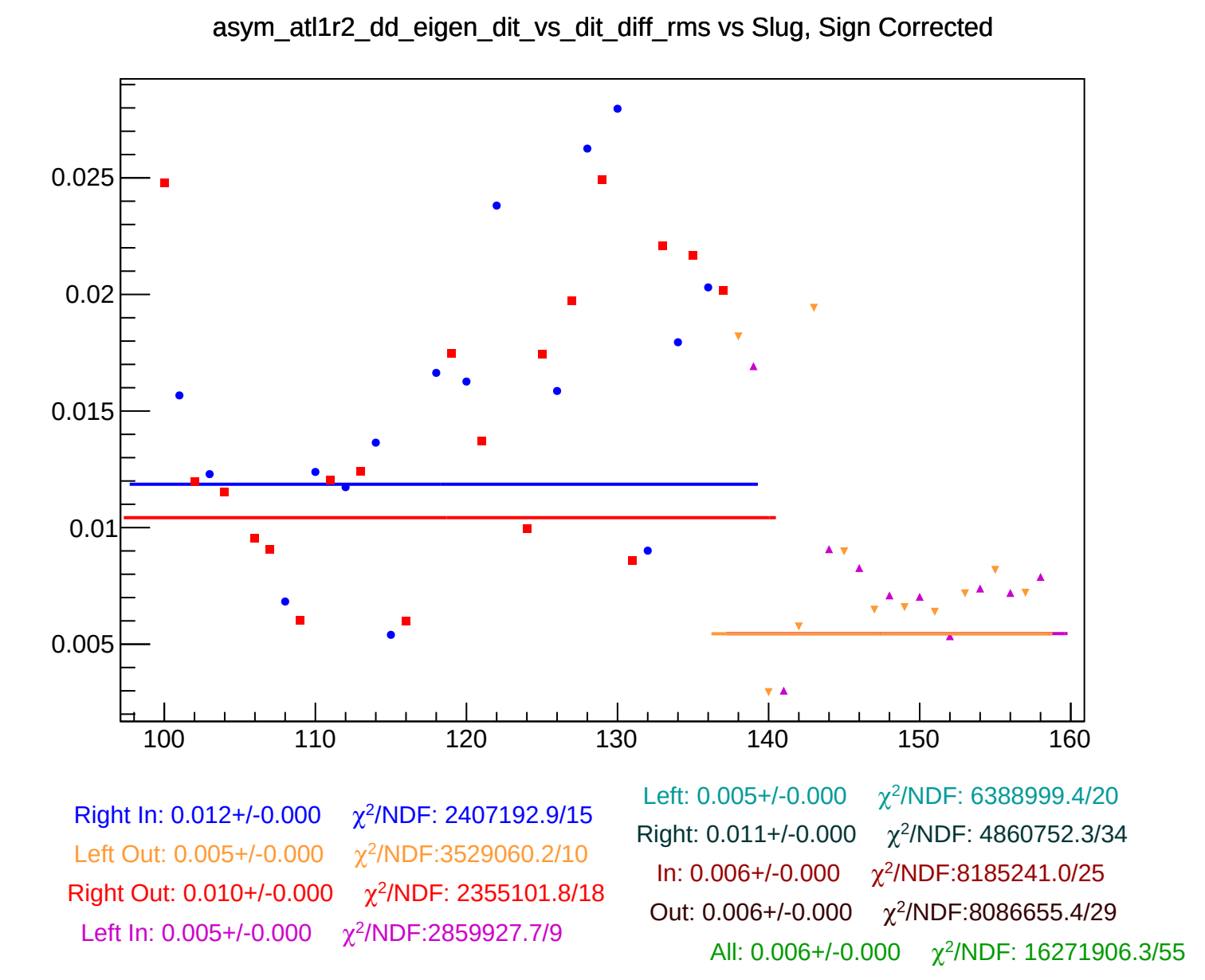
Left: 0.000+/-0.000 χ^2/NDF: 29.5/20

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

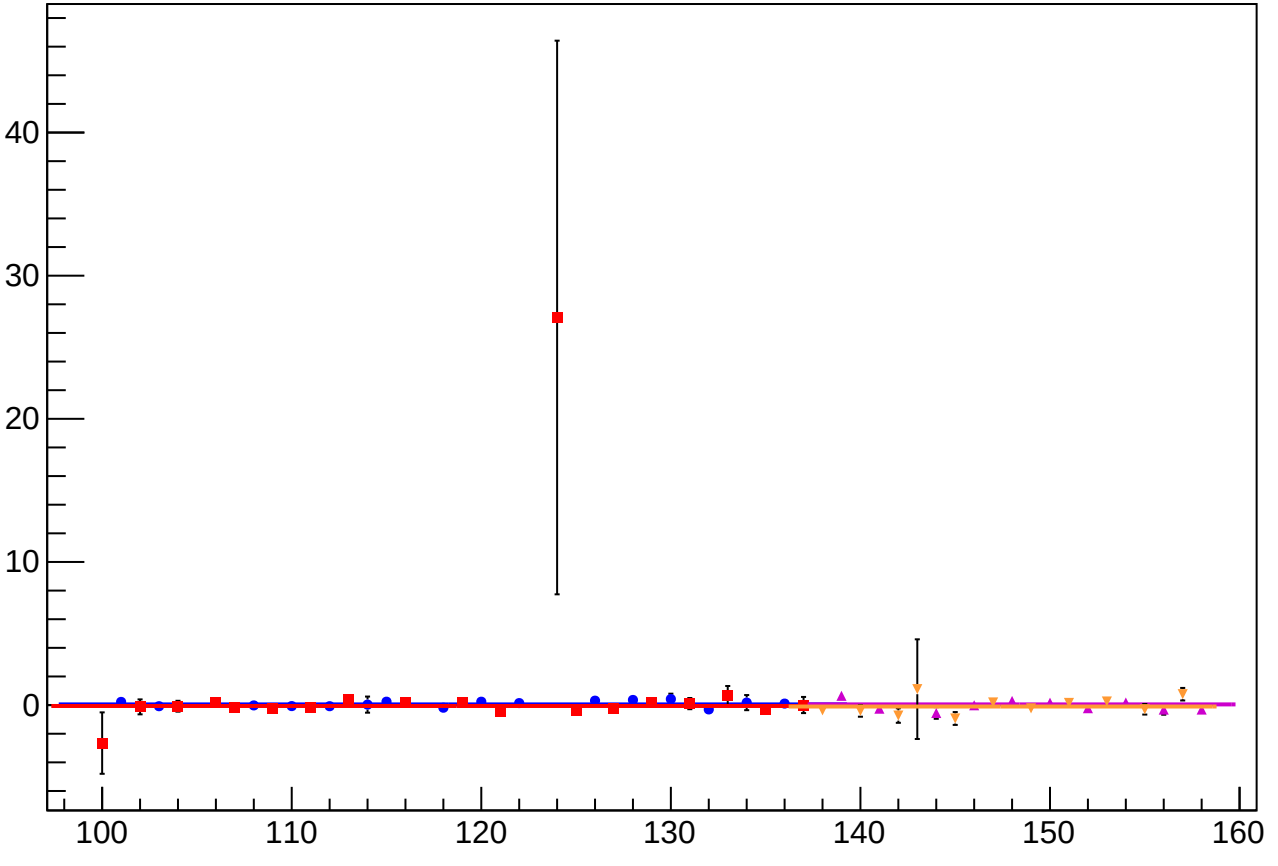
In: 0.000+/-0.000 χ^2/NDF:21.3/25

Out: 0.000+/-0.000 χ^2/NDF:40.4/29

All: 0.000+/-0.000 χ^2/NDF: 62.5/55


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.005+/-0.000 χ²/NDF:3529060.2/10
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.005+/-0.000 χ²/NDF:2859927.7/9
Left: 0.005+/-0.000 χ²/NDF: 6388999.4/20
Right: 0.011+/-0.000 χ²/NDF: 4860752.3/34
In: 0.006+/-0.000 χ²/NDF:8185241.0/25
Out: 0.006+/-0.000 χ²/NDF:8086655.4/29
All: 0.006+/-0.000 χ²/NDF: 16271906.3/55

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: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.049+/-0.096 χ^2/NDF:13.5/9

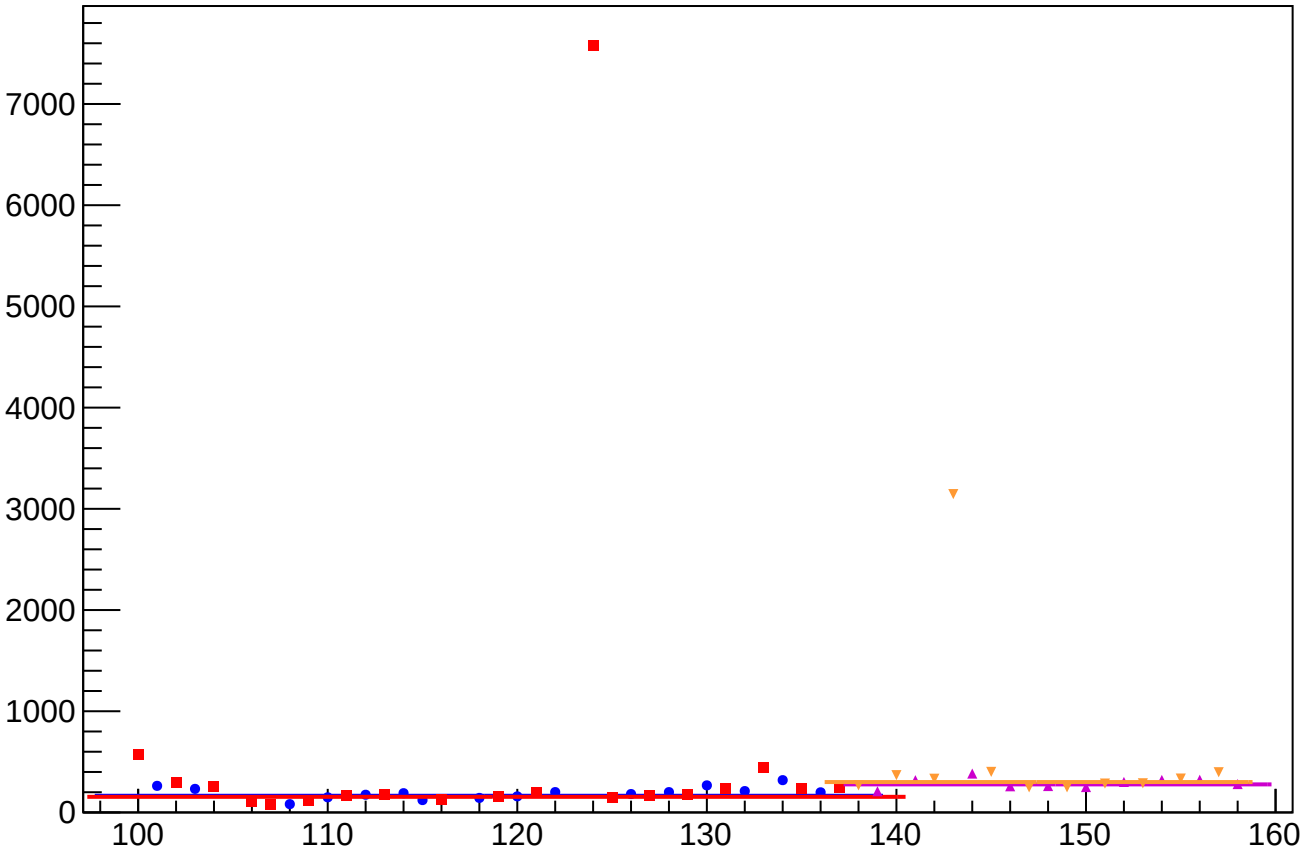
Left: -0.016+/-0.072 χ^2/NDF: 28.2/20

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.049+/-0.055 χ^2/NDF:21.1/25

Out: -0.071+/-0.055 χ^2/NDF:32.2/29

All: -0.010+/-0.039 χ^2/NDF: 55.7/55



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 300.434+/-0.077 χ^2/NDF:1794264.7/10

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 277.299+/-0.068 χ^2/NDF:441430.8/9

Left: 287.458+/-0.051 χ^2/NDF: 2286665.6/20

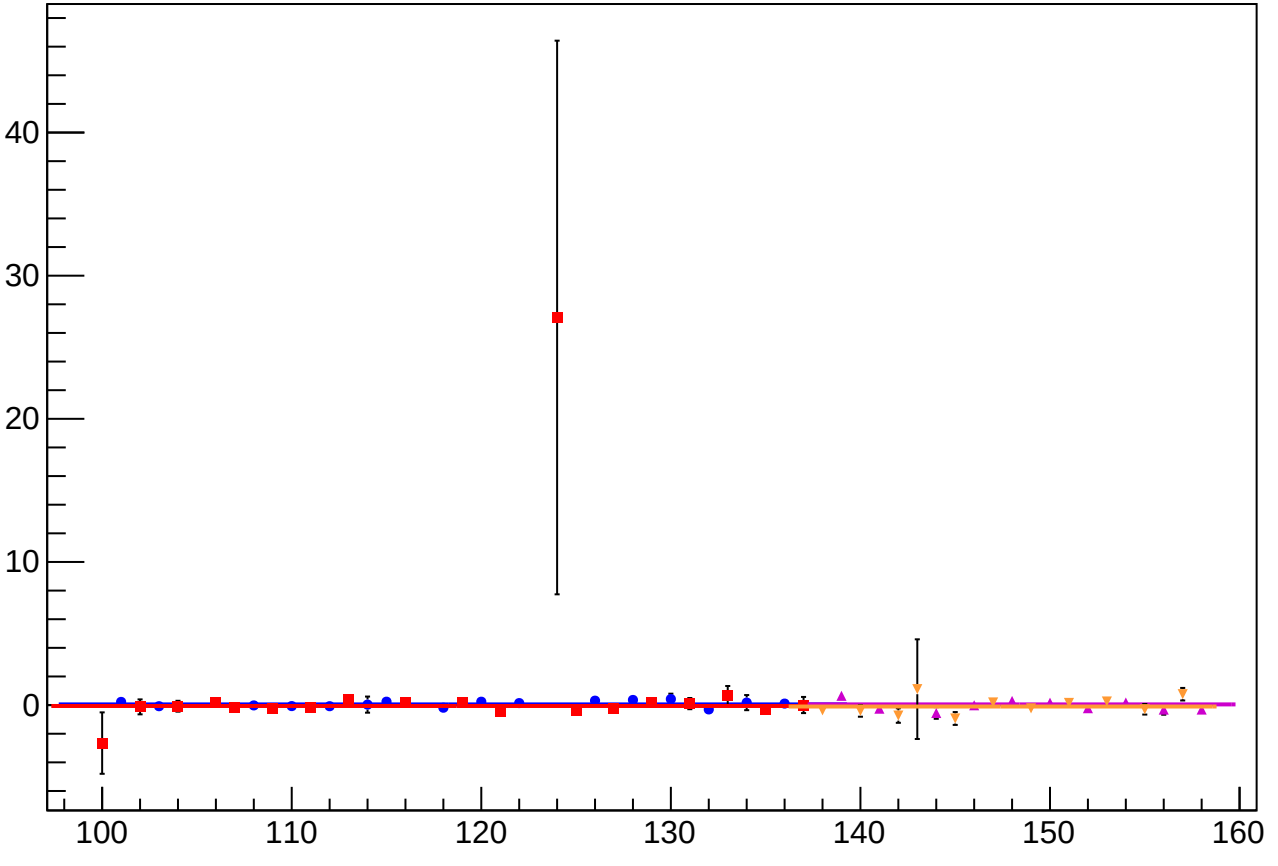
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 201.236+/-0.039 χ^2/NDF:3770980.6/25

Out: 192.422+/-0.039 χ^2/NDF:6394033.6/29

All: 196.890+/-0.027 χ^2/NDF: 10190690.8/55

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: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.049+/-0.096 χ^2/NDF:13.5/9

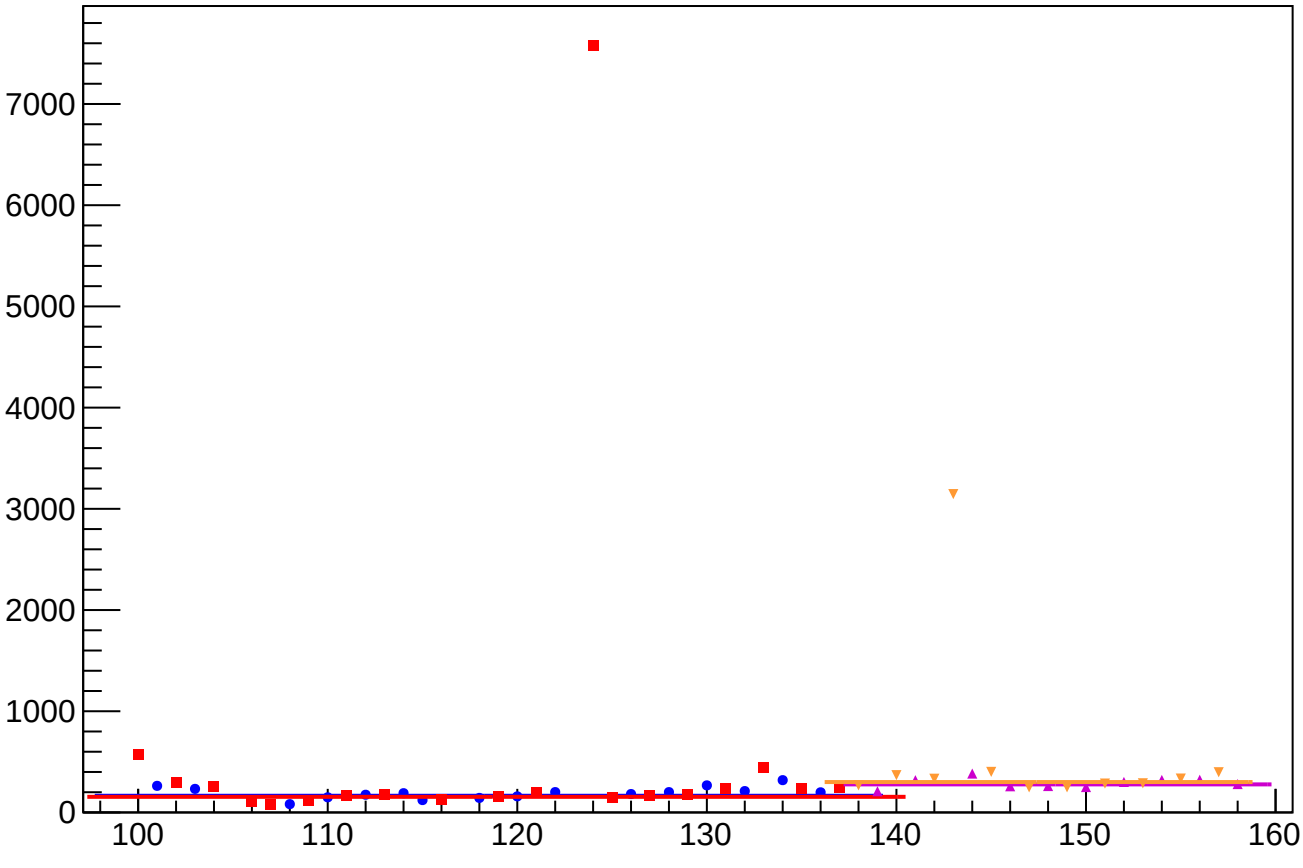
Left: -0.016+/-0.072 χ^2/NDF: 28.2/20

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.049+/-0.055 χ^2/NDF:21.1/25

Out: -0.071+/-0.055 χ^2/NDF:32.2/29

All: -0.010+/-0.039 χ^2/NDF: 55.7/55



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 300.434+/-0.077 χ^2/NDF:1794264.7/10

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 277.299+/-0.068 χ^2/NDF:441430.8/9

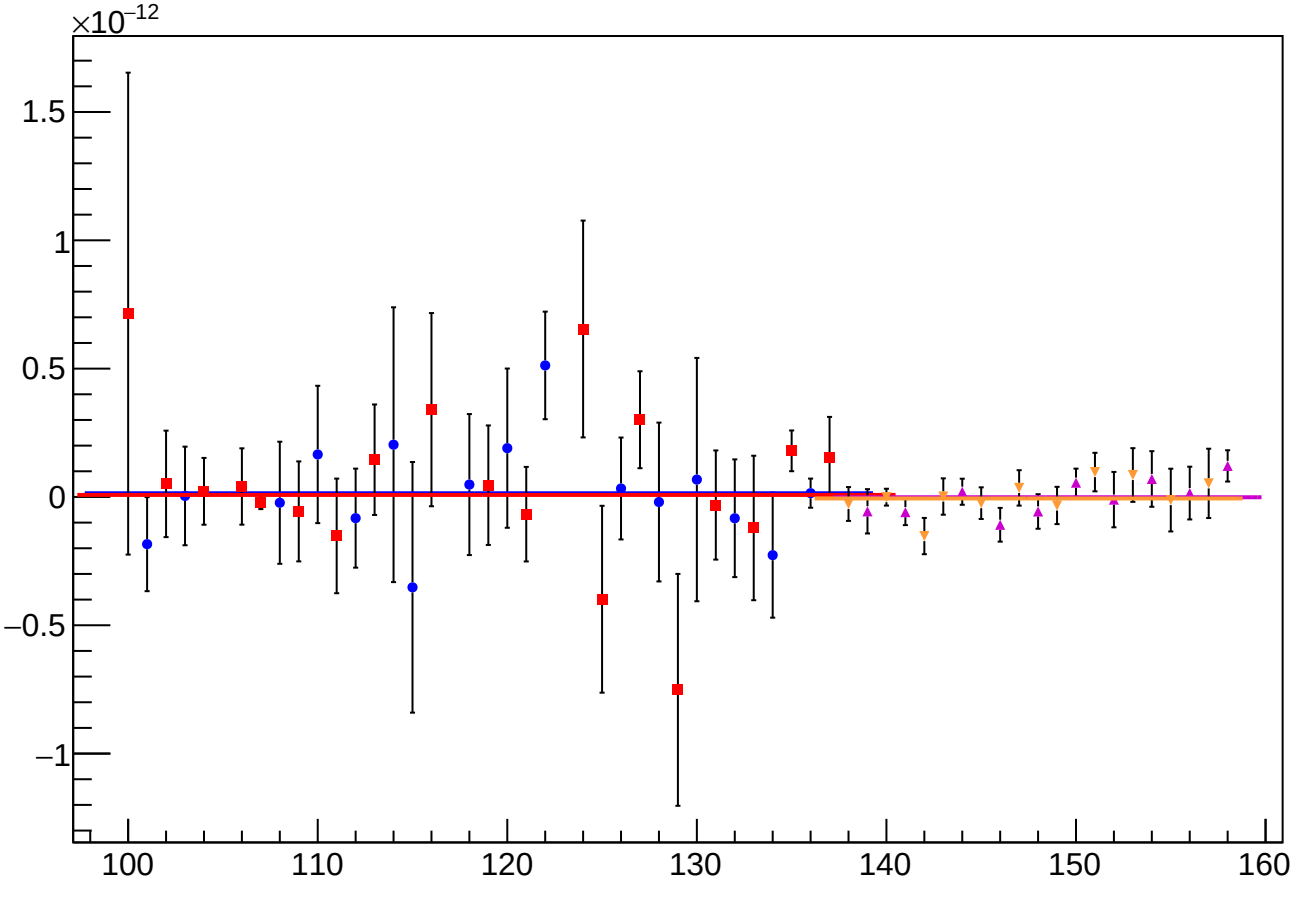
Left: 287.458+/-0.051 χ^2/NDF: 2286665.6/20

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 201.236+/-0.039 χ^2/NDF:3770980.6/25

Out: 192.422+/-0.039 χ^2/NDF:6394033.6/29

All: 196.890+/-0.027 χ^2/NDF: 10190690.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

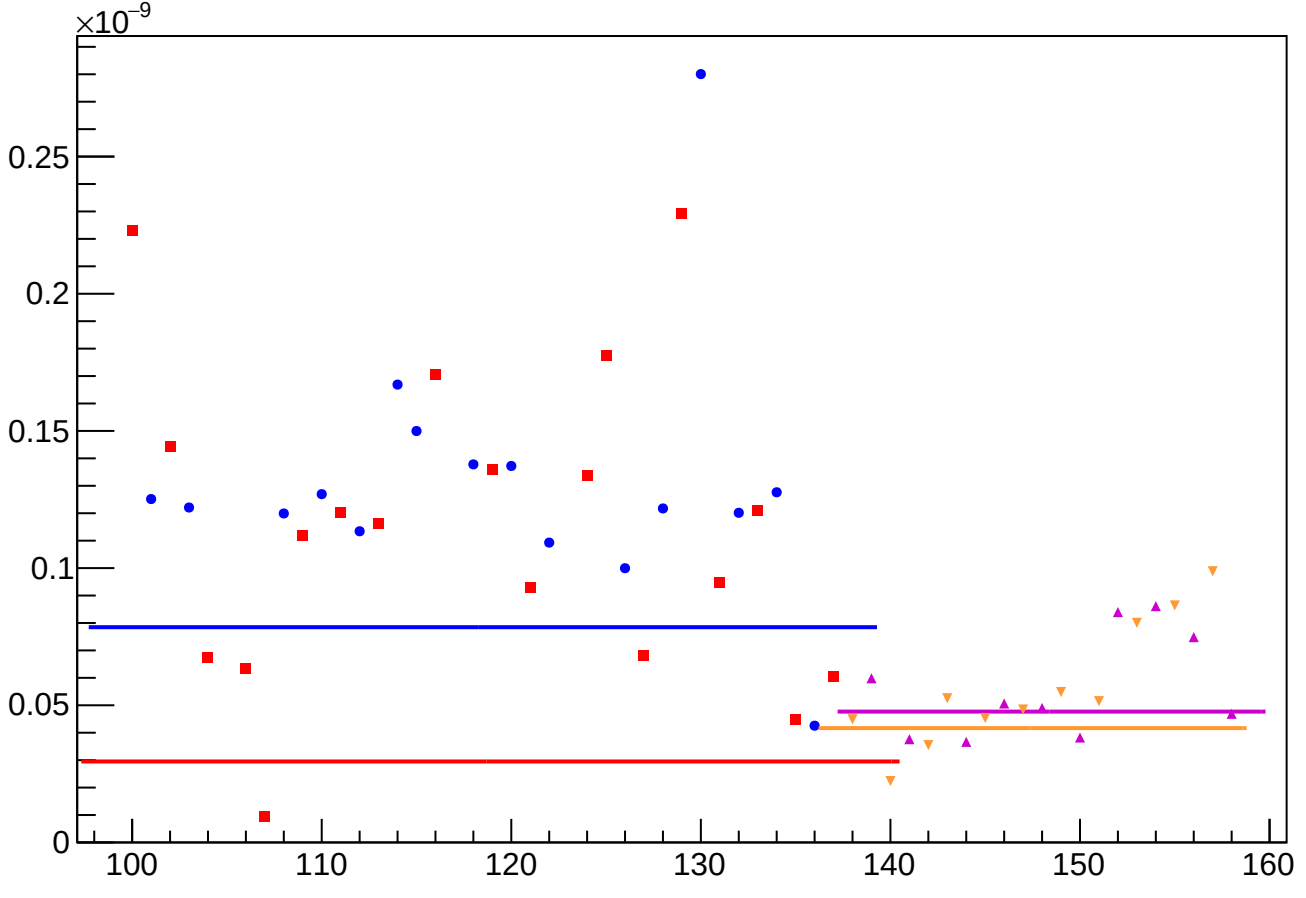
Left: -0.000+/-0.000 χ^2/NDF: 18.7/20

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: 0.000+/-0.000 χ^2/NDF:20.5/25

Out: -0.000+/-0.000 χ^2/NDF:26.4/29

All: 0.000+/-0.000 χ^2/NDF: 47.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1781674.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:894588.7/9

Left: 0.000+/-0.000 χ^2/NDF: 2763296.9/20

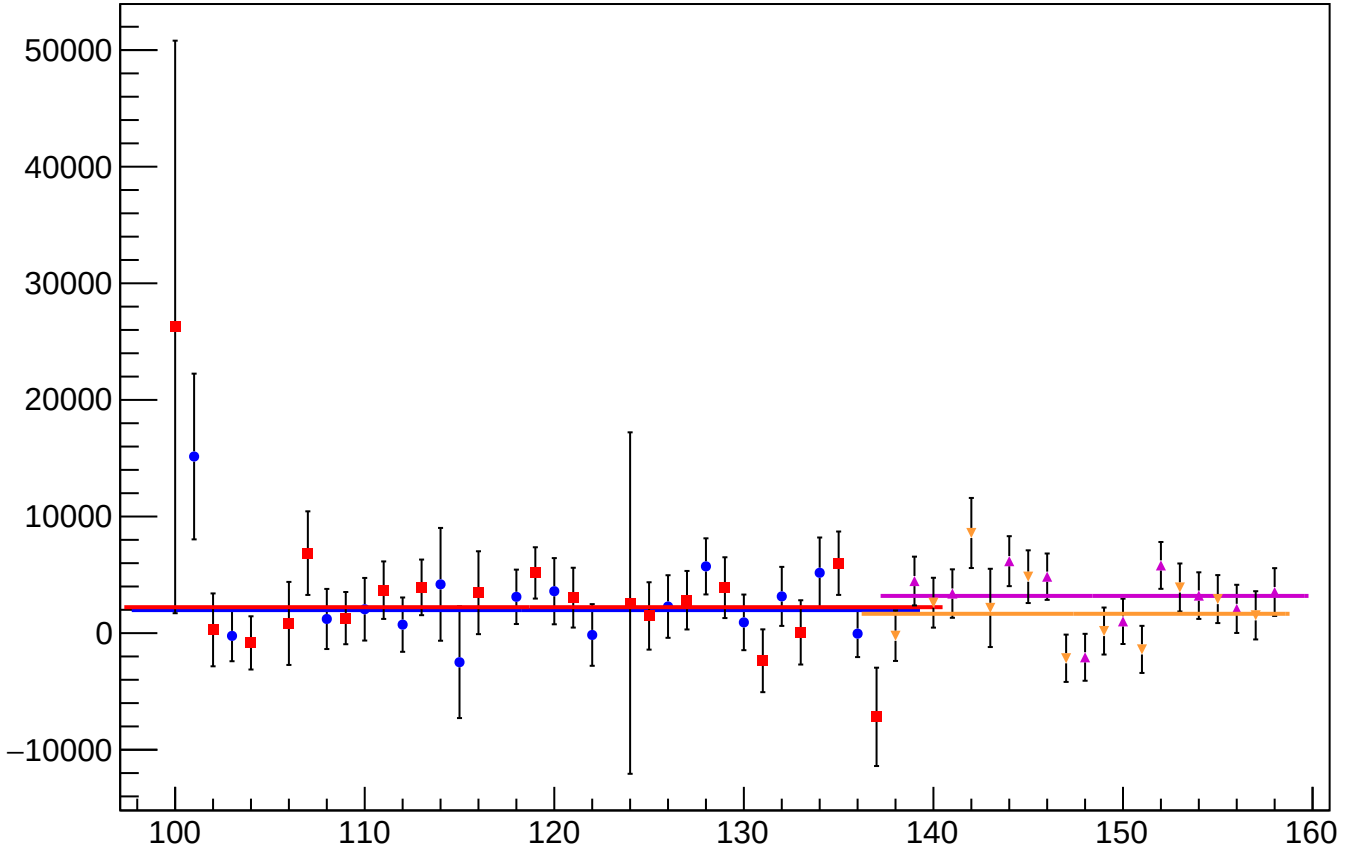
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3840648.3/25

Out: 0.000+/-0.000 χ^2/NDF:7594464.3/29

All: 0.000+/-0.000 χ^2/NDF: 12463107.9/55

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1658.815+/-663.819 χ^2/NDF:16.2/10

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 3192.802+/-643.617 χ^2/NDF:13.1/9

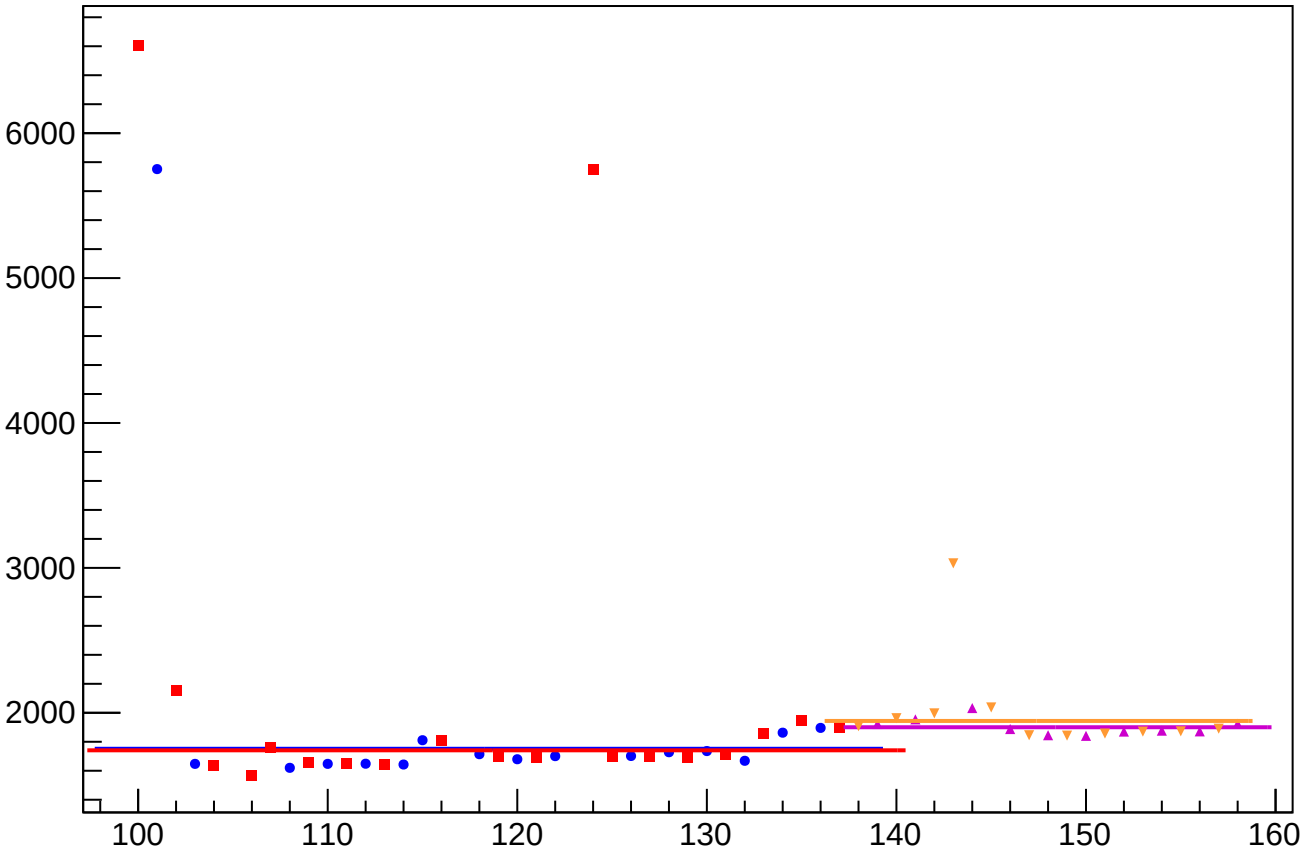
Left: 2449.506+/-462.083 χ^2/NDF: 32.1/20

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2606.894+/-463.389 χ^2/NDF:27.0/25

Out: 1945.730+/-466.705 χ^2/NDF:35.6/29

All: 2278.669+/-328.832 χ^2/NDF: 63.5/55



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1943.718+/-0.469 χ^2/NDF:234681.1/10

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

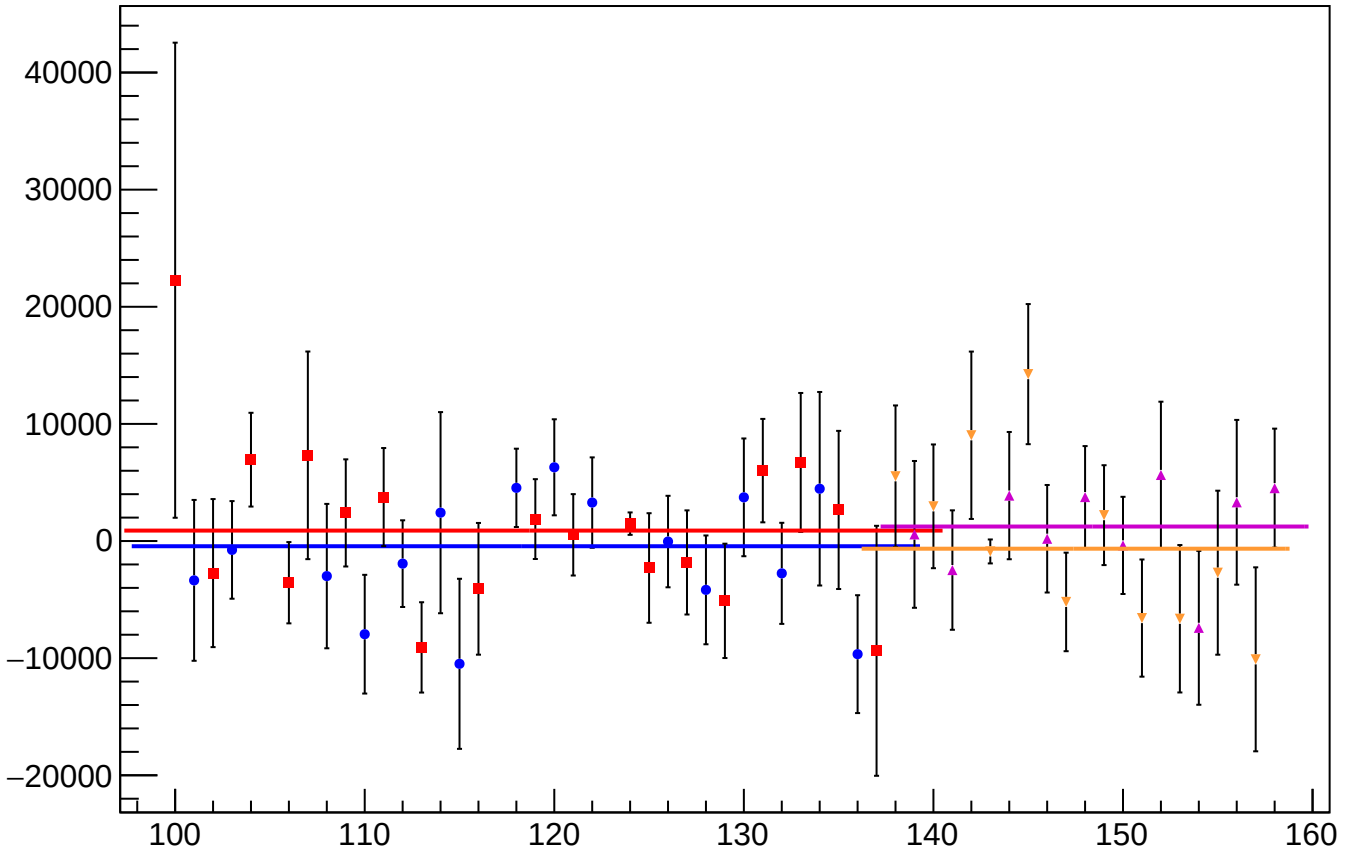
Left: 1921.290+/-0.327 χ^2/NDF: 253155.8/20

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1828.636+/-0.328 χ^2/NDF:736045.1/25

Out: 1840.481+/-0.329 χ^2/NDF:634297.7/29

All: 1834.538+/-0.232 χ^2/NDF: 1370994.0/55



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -655.253+/-883.637 χ^2/NDF:15.1/10

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1238.132+/-1657.834 χ^2/NDF:4.0/9

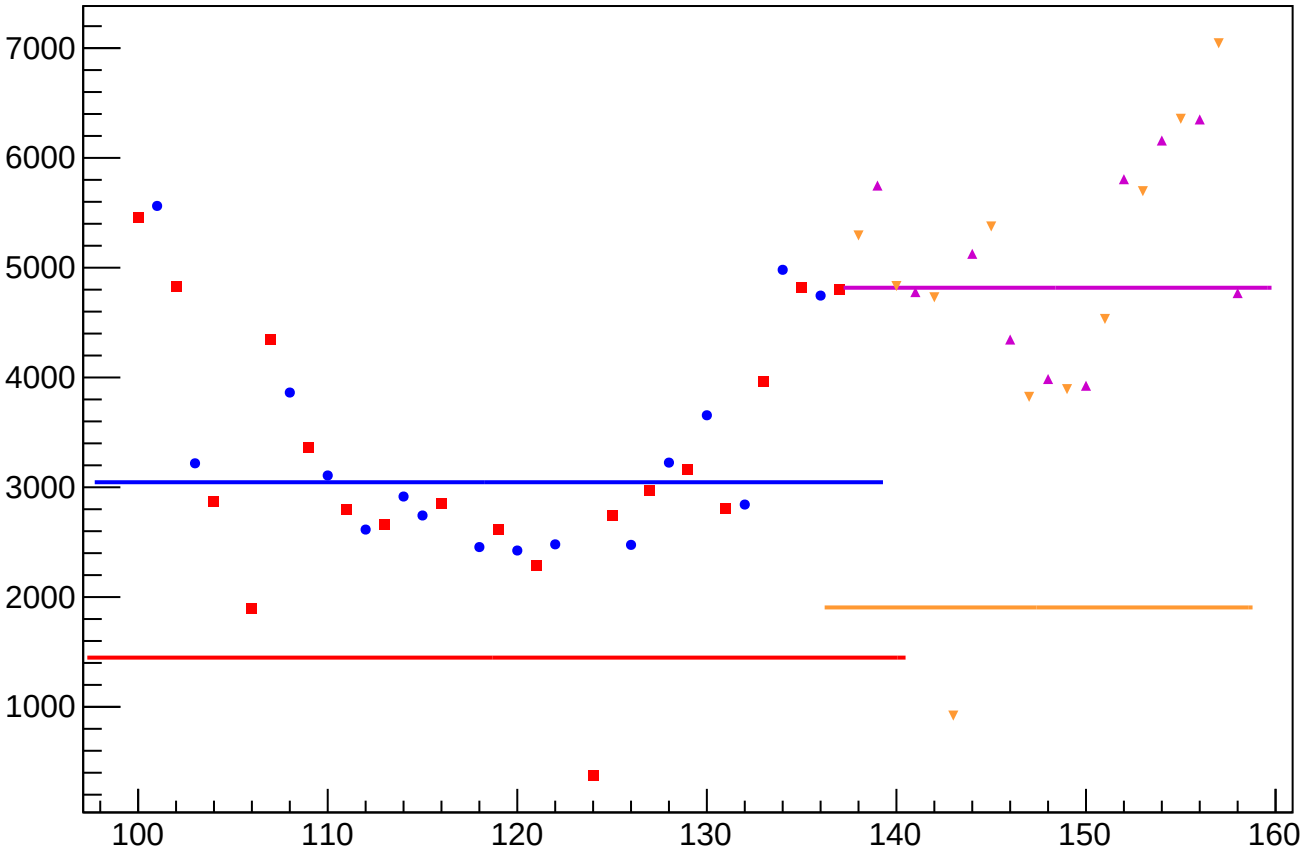
Left: -236.356+/-779.786 χ^2/NDF: 20.1/20

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 117.920+/-958.338 χ^2/NDF:20.7/25

Out: 268.873+/-560.830 χ^2/NDF:37.0/29

All: 230.364+/-484.037 χ^2/NDF: 57.7/55



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1905.497+/-0.625 χ^2/NDF:7877216.5/10

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4817.360+/-1.172 χ^2/NDF:465839.6/9

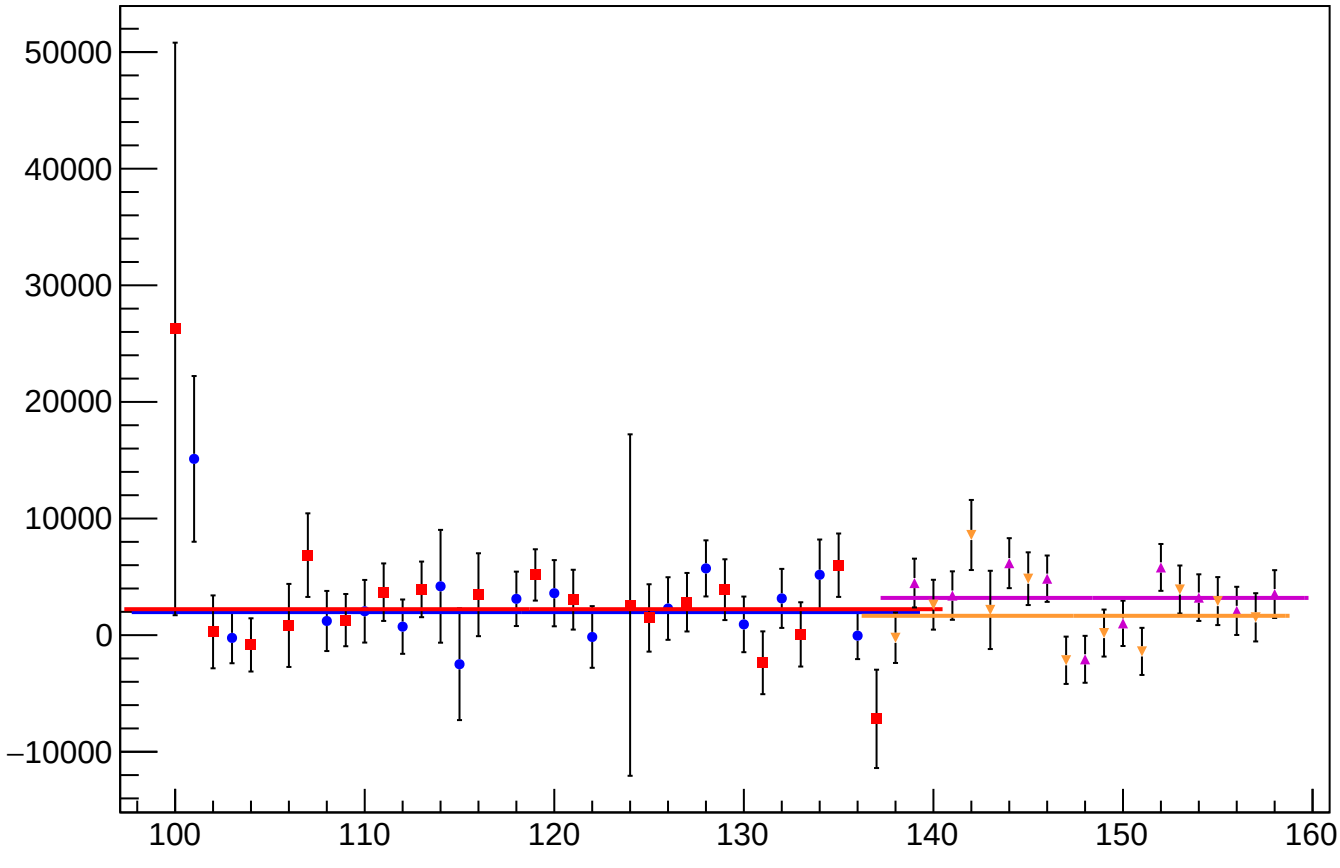
Left: 2549.724+/-0.551 χ^2/NDF: 13148038.4/20

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3637.863+/-0.678 χ^2/NDF:2893672.3/25

Out: 1632.600+/-0.397 χ^2/NDF:14983572.3/29

All: 2144.153+/-0.342 χ^2/NDF: 24399987.4/5



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1658.908+/-663.819 χ^2/NDF:16.2/10

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3192.923+/-643.617 χ^2/NDF:13.1/9

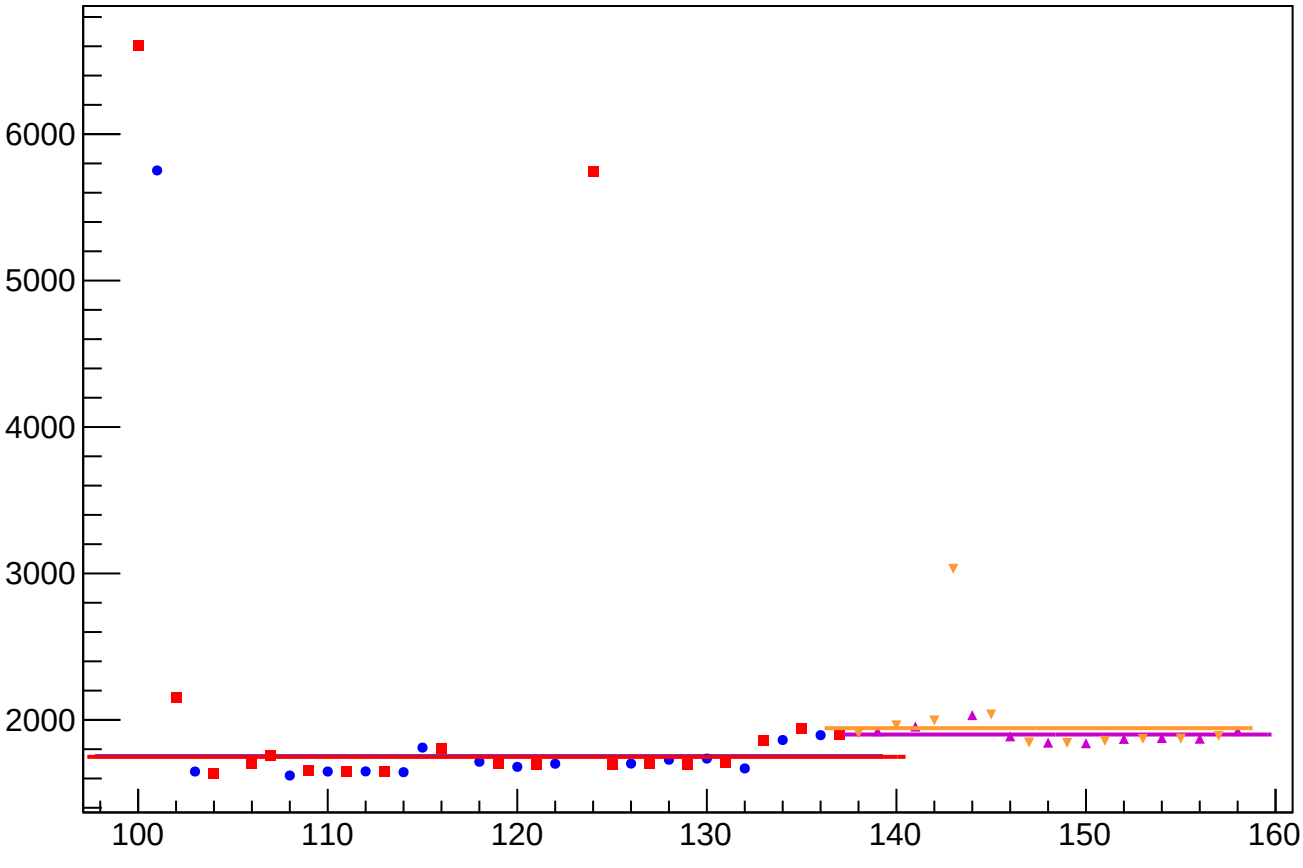
Left: 2449.614+/-462.083 χ^2/NDF: 32.1/20

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2606.786+/-463.389 χ^2/NDF:26.9/25

Out: 1945.825+/-466.705 χ^2/NDF:35.6/29

All: 2278.662+/-328.832 χ^2/NDF: 63.5/55



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1943.718+/-0.469 χ^2/NDF:234681.1/10

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

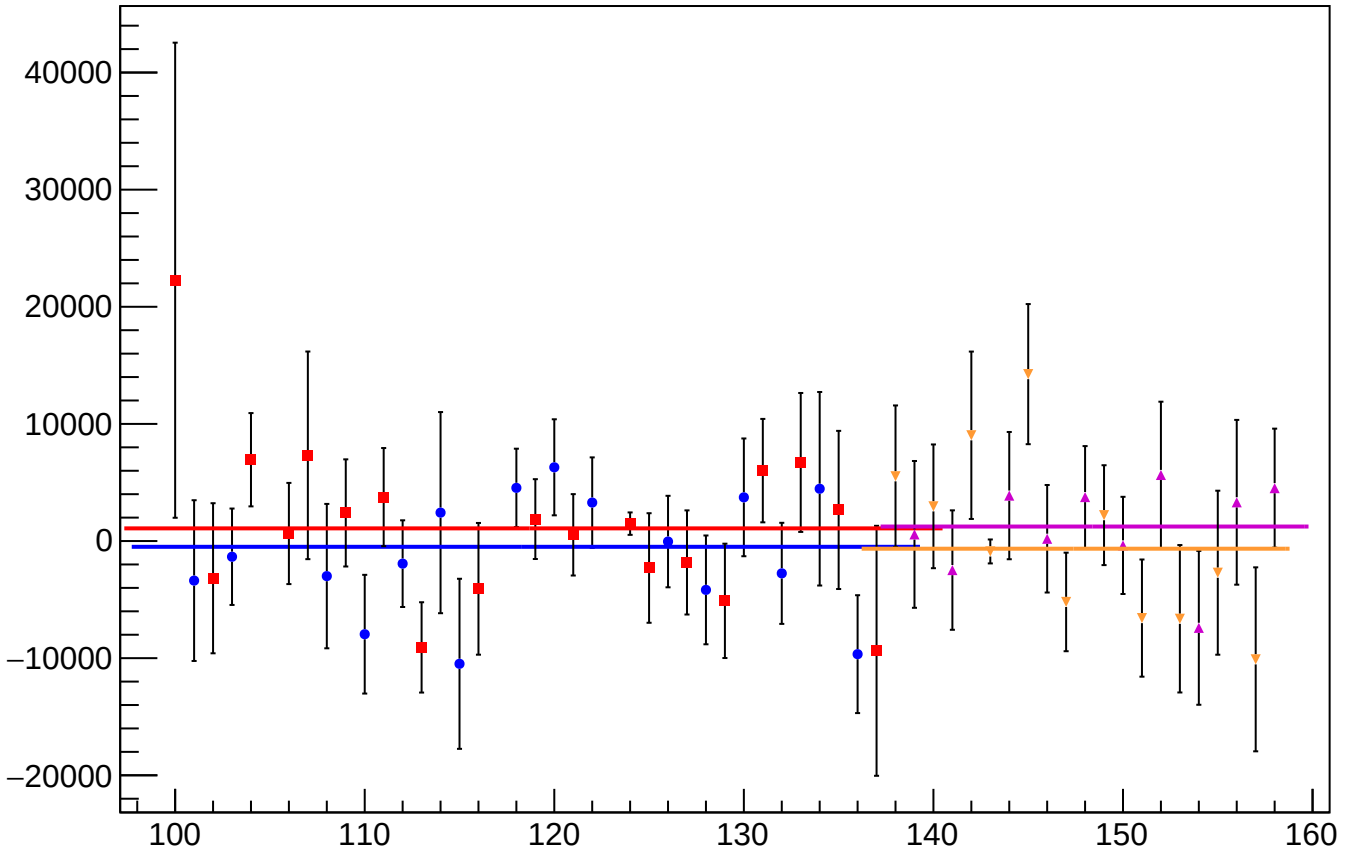
Left: 1921.290+/-0.327 χ^2/NDF: 253155.8/20

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1828.635+/-0.328 χ^2/NDF:736045.5/25

Out: 1844.267+/-0.329 χ^2/NDF:621038.2/29

All: 1836.410+/-0.232 χ^2/NDF: 1358215.7/55



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -655.064+/-883.610 χ^2/NDF:15.1/10

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1238.212+/-1657.833 χ^2/NDF:4.0/9

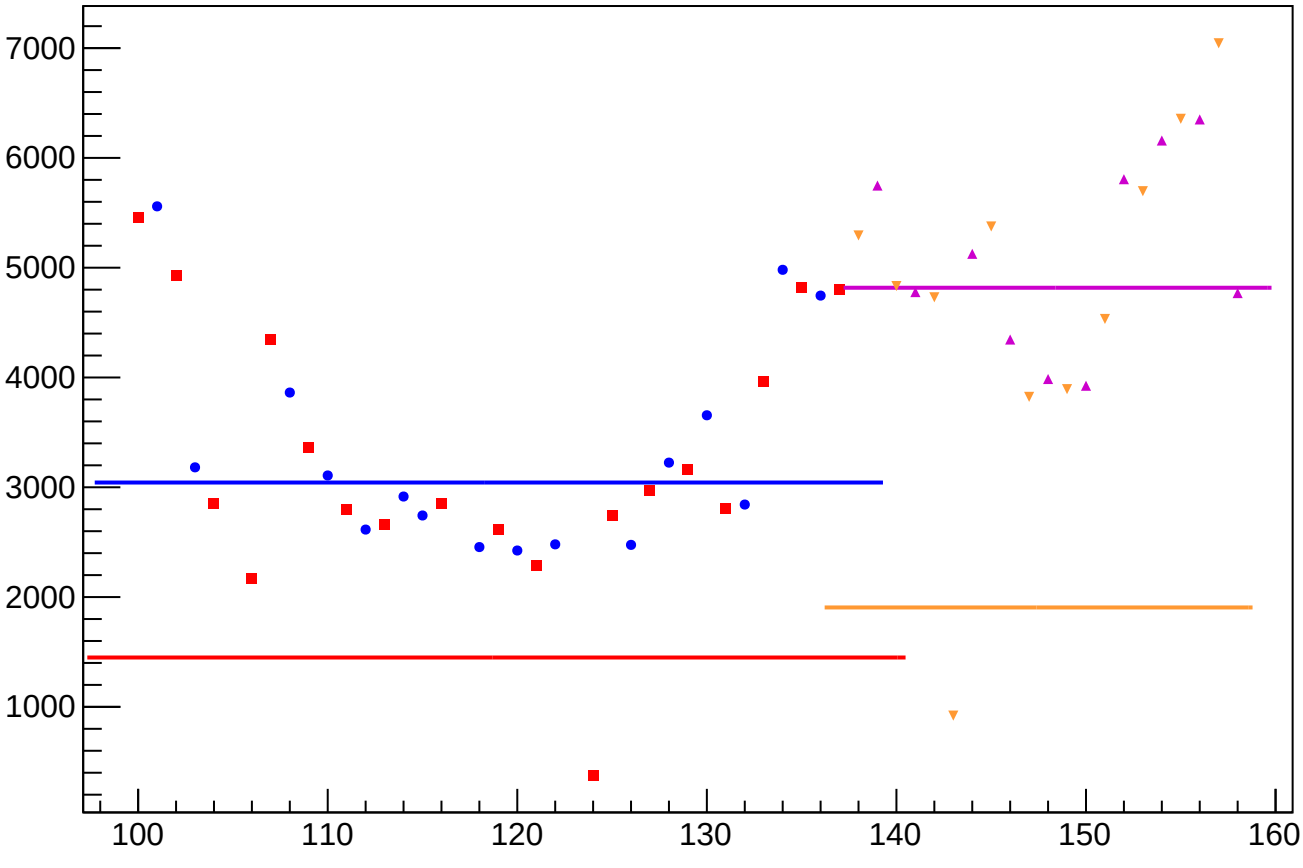
Left: -236.211+/-779.767 χ^2/NDF: 20.1/20

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 84.766+/-957.680 χ^2/NDF:20.7/25

Out: 375.035+/-563.450 χ^2/NDF:35.8/29

All: 300.394+/-485.633 χ^2/NDF: 56.6/55



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1905.409+/-0.625 χ^2/NDF:7877500.8/10

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4817.357+/-1.172 χ^2/NDF:465838.0/9

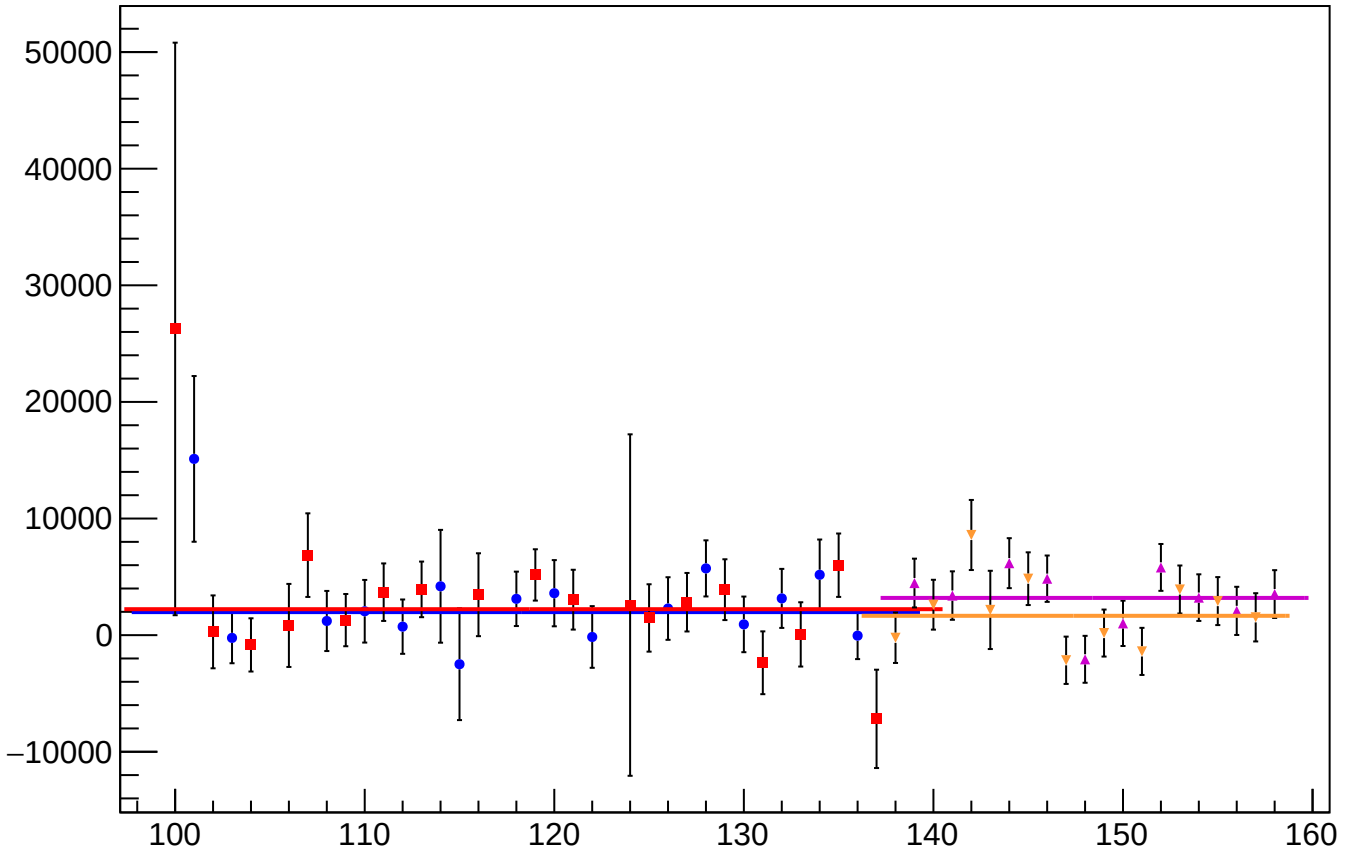
Left: 2549.625+/-0.551 χ^2/NDF: 13148674.7/20

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3635.287+/-0.677 χ^2/NDF:2897539.1/25

Out: 1634.891+/-0.398 χ^2/NDF:15019129.7/29

All: 2149.280+/-0.343 χ^2/NDF: 24398919.3/5



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1658.908+/-663.819 χ^2/NDF:16.2/10

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3192.923+/-643.617 χ^2/NDF:13.1/9

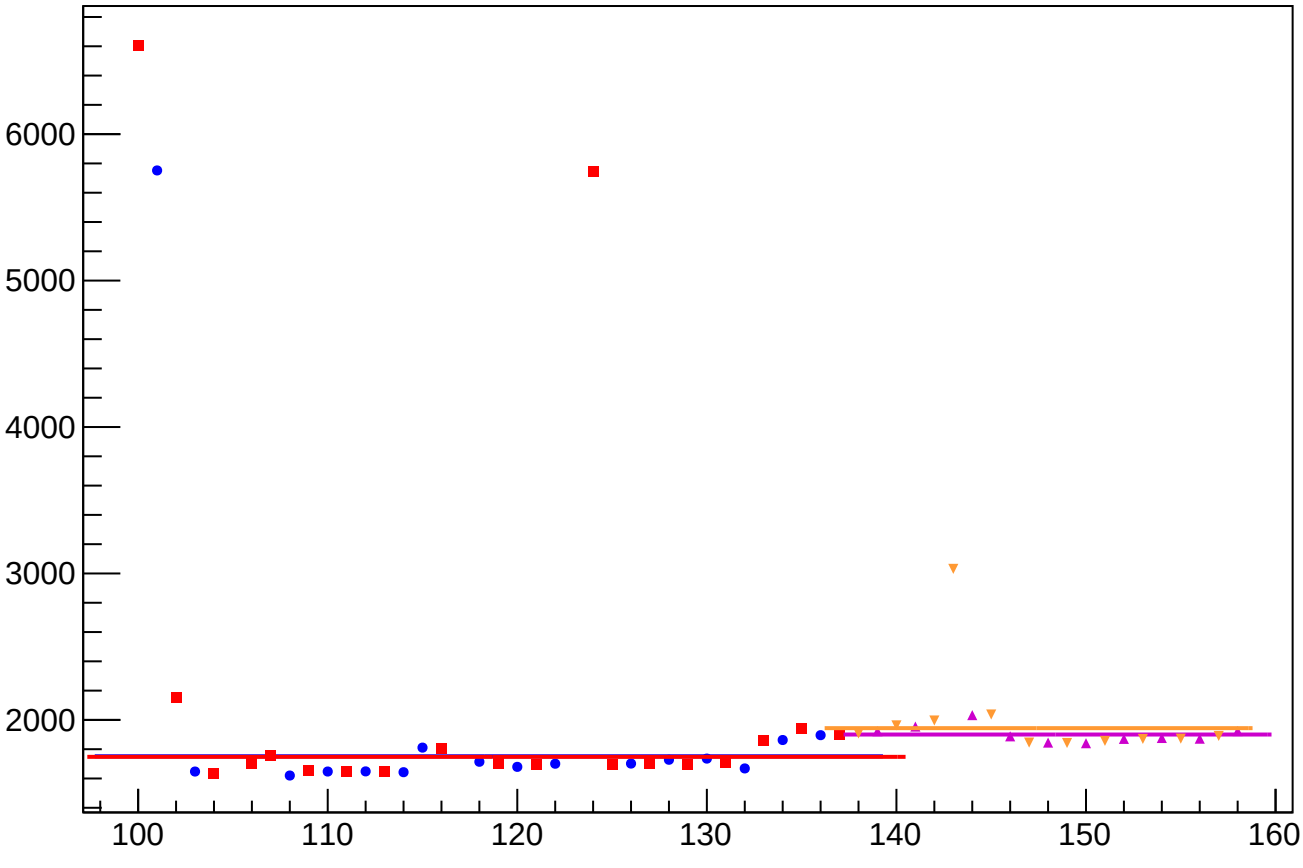
Left: 2449.614+/-462.083 χ^2/NDF: 32.1/20

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2606.786+/-463.389 χ^2/NDF:26.9/25

Out: 1945.825+/-466.705 χ^2/NDF:35.6/29

All: 2278.662+/-328.832 χ^2/NDF: 63.5/55



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1943.718+/-0.469 χ^2/NDF:234681.1/10

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

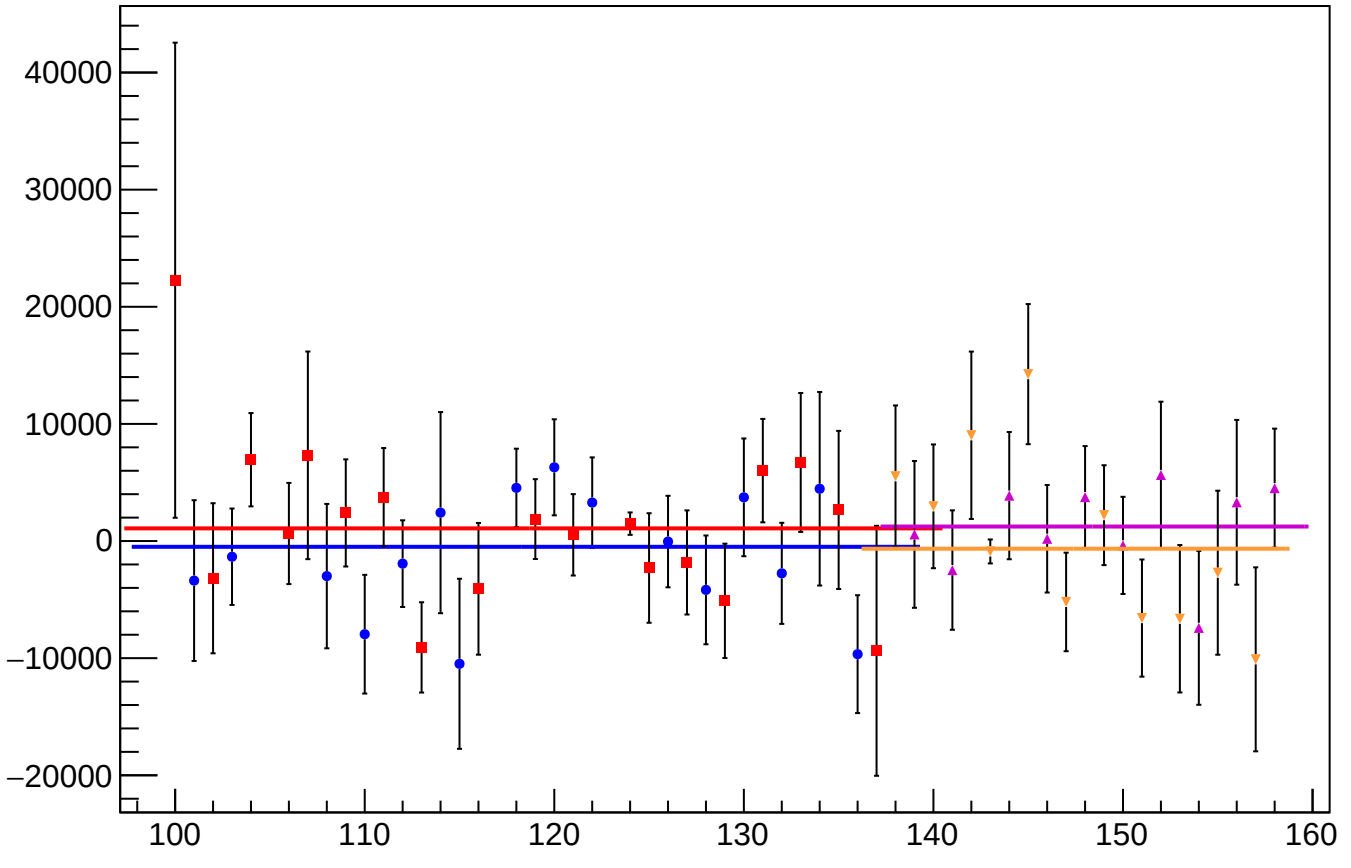
Left: 1921.290+/-0.327 χ^2/NDF: 253155.8/20

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1828.635+/-0.328 χ^2/NDF:736045.5/25

Out: 1844.267+/-0.329 χ^2/NDF:621038.2/29

All: 1836.410+/-0.232 χ^2/NDF: 1358215.7/55



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -655.064+/-883.610 χ^2/NDF:15.1/10

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1238.212+/-1657.833 χ^2/NDF:4.0/9

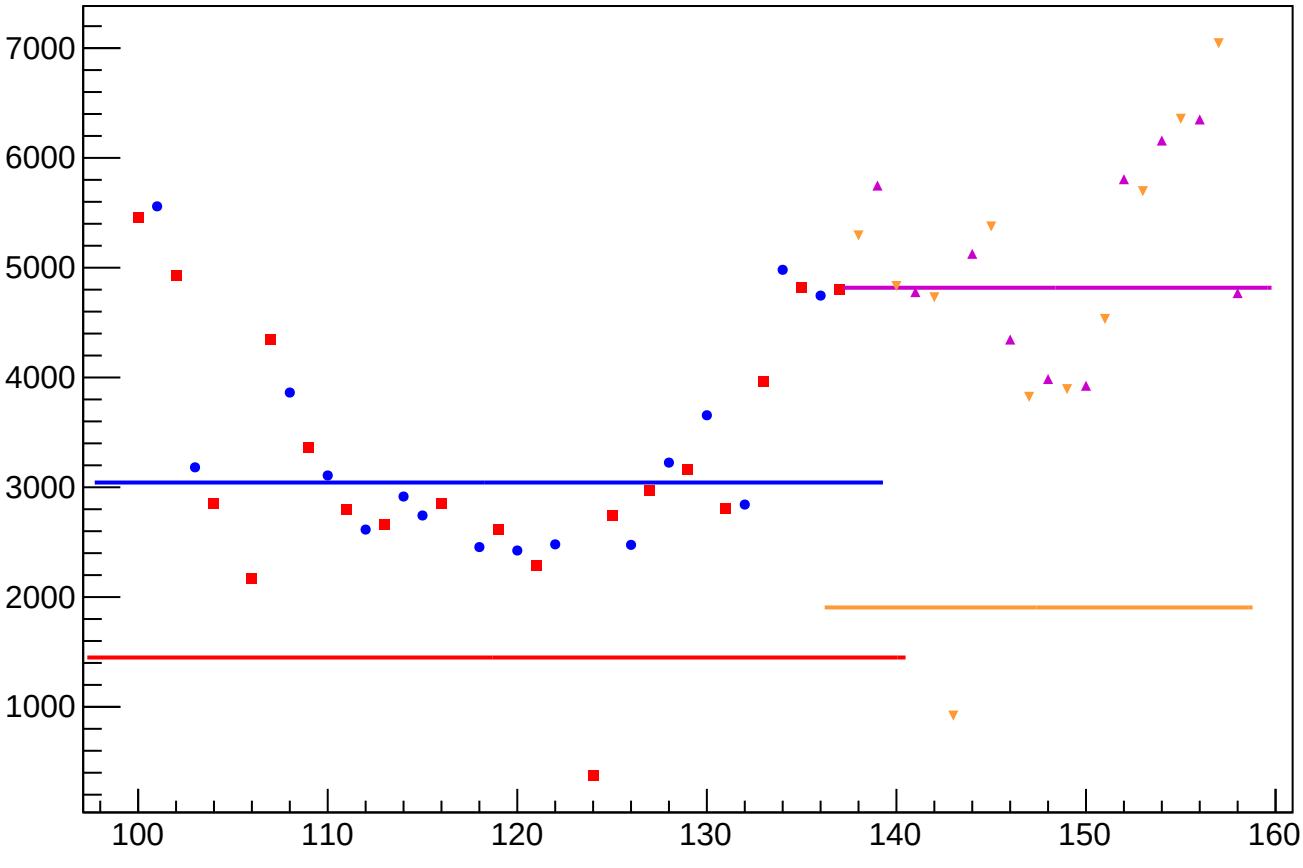
Left: -236.211+/-779.767 χ^2/NDF: 20.1/20

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 84.766+/-957.680 χ^2/NDF:20.7/25

Out: 375.035+/-563.450 χ^2/NDF:35.8/29

All: 300.394+/-485.633 χ^2/NDF: 56.6/55



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1905.409+/-0.625 χ^2/NDF:7877500.8/10

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4817.357+/-1.172 χ^2/NDF:465838.0/9

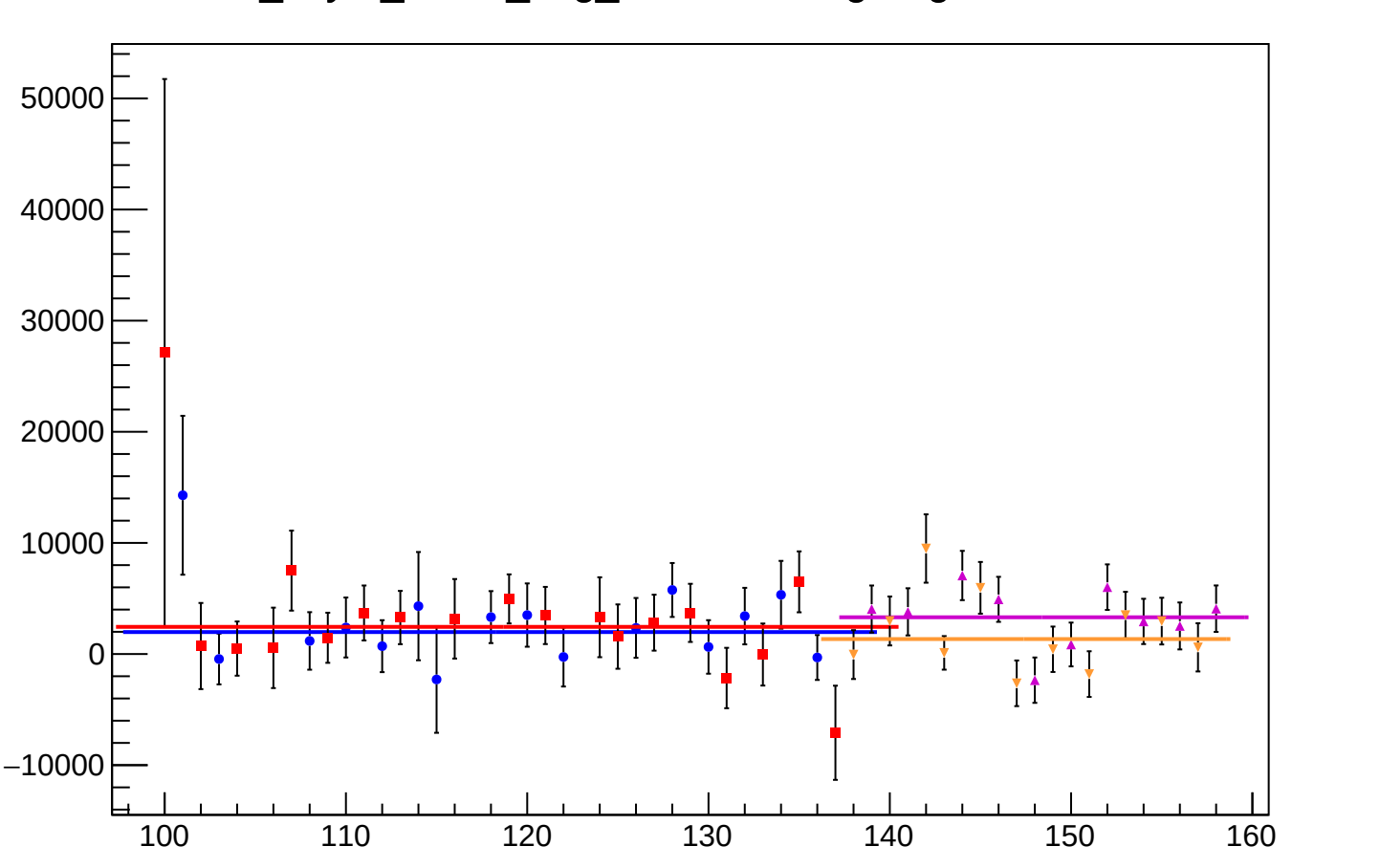
Left: 2549.625+/-0.551 χ^2/NDF: 13148674.7/20

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3635.287+/-0.677 χ^2/NDF:2897539.1/25

Out: 1634.891+/-0.398 χ^2/NDF:15019129.7/29

All: 2149.280+/-0.343 χ^2/NDF: 24398919.3/5



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1346.986+/-629.703 χ^2/NDF:20.7/10

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3307.313+/-656.248 χ^2/NDF:15.0/9

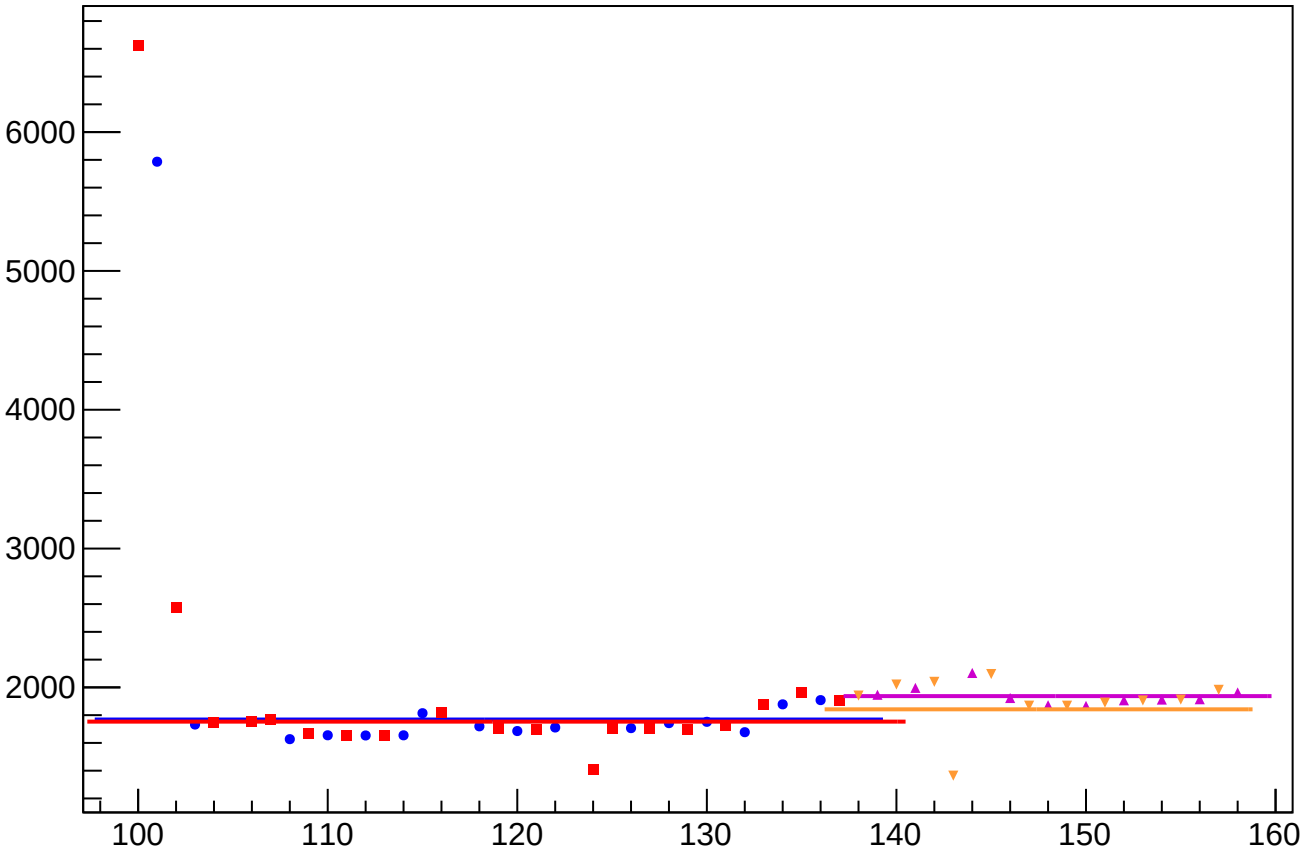
Left: 2286.701+/-454.362 χ^2/NDF: 40.3/20

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2659.409+/-470.217 χ^2/NDF:29.4/25

Out: 1871.757+/-454.837 χ^2/NDF:39.6/29

All: 2252.491+/-326.921 χ^2/NDF: 70.4/55



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1841.971+/-0.445 χ^2/NDF:263849.8/10

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1937.153+/-0.464 χ^2/NDF:18919.7/9

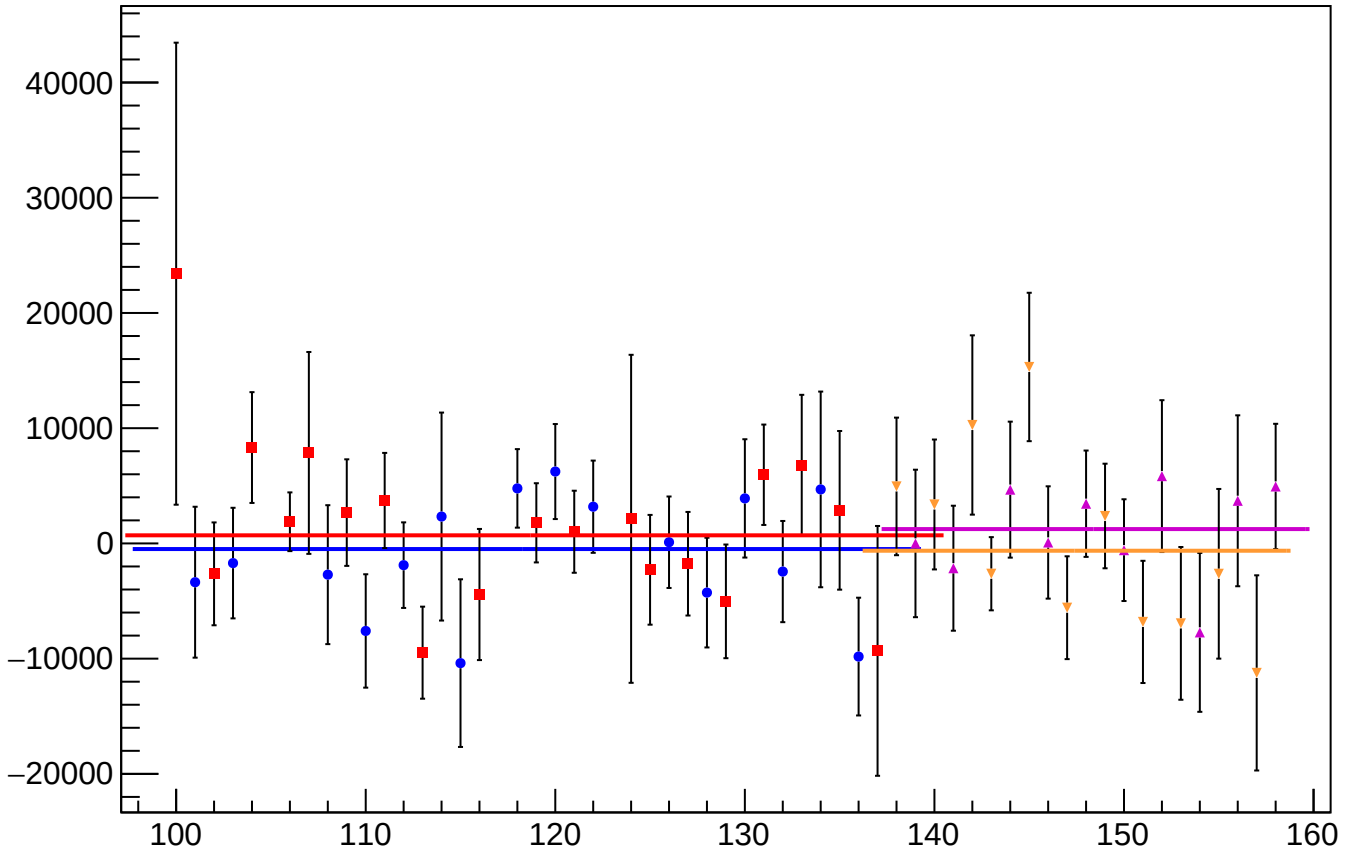
Left: 1887.598+/-0.321 χ^2/NDF: 304674.0/20

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1855.078+/-0.332 χ^2/NDF:750578.4/25

Out: 1799.484+/-0.321 χ^2/NDF:501698.5/29

All: 1826.321+/-0.231 χ^2/NDF: 1266737.8/55



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -634.541+/-1603.818 χ^2/NDF:15.4/10

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1245.018+/-1757.984 χ^2/NDF:4.0/9

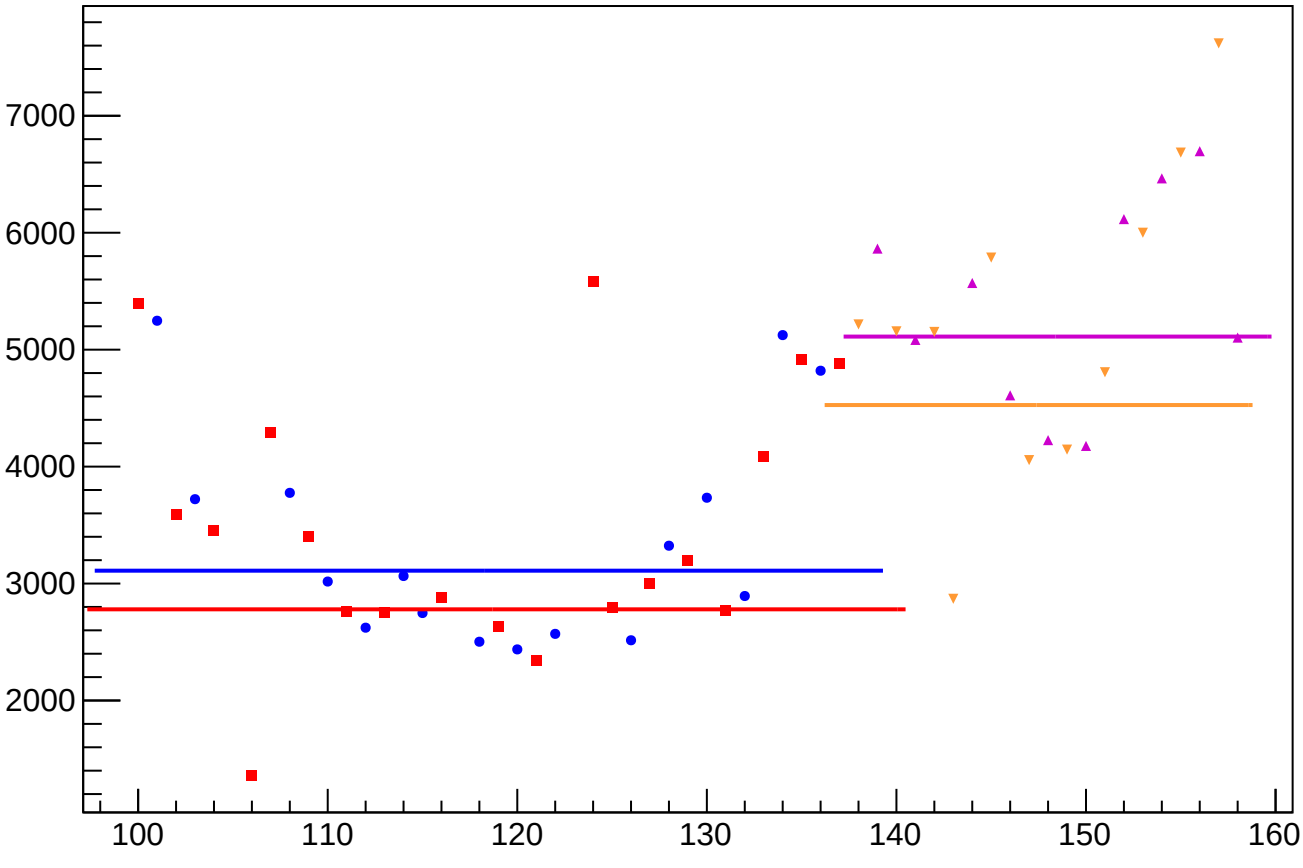
Left: 219.226+/-1184.832 χ^2/NDF: 20.0/20

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 61.824+/-990.269 χ^2/NDF:20.4/25

Out: 291.537+/-889.785 χ^2/NDF:34.8/29

All: 188.923+/-661.856 χ^2/NDF: 55.2/55



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4526.474+/-1.134 χ^2/NDF:1264784.5/10

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5111.904+/-1.243 χ^2/NDF:439213.3/9

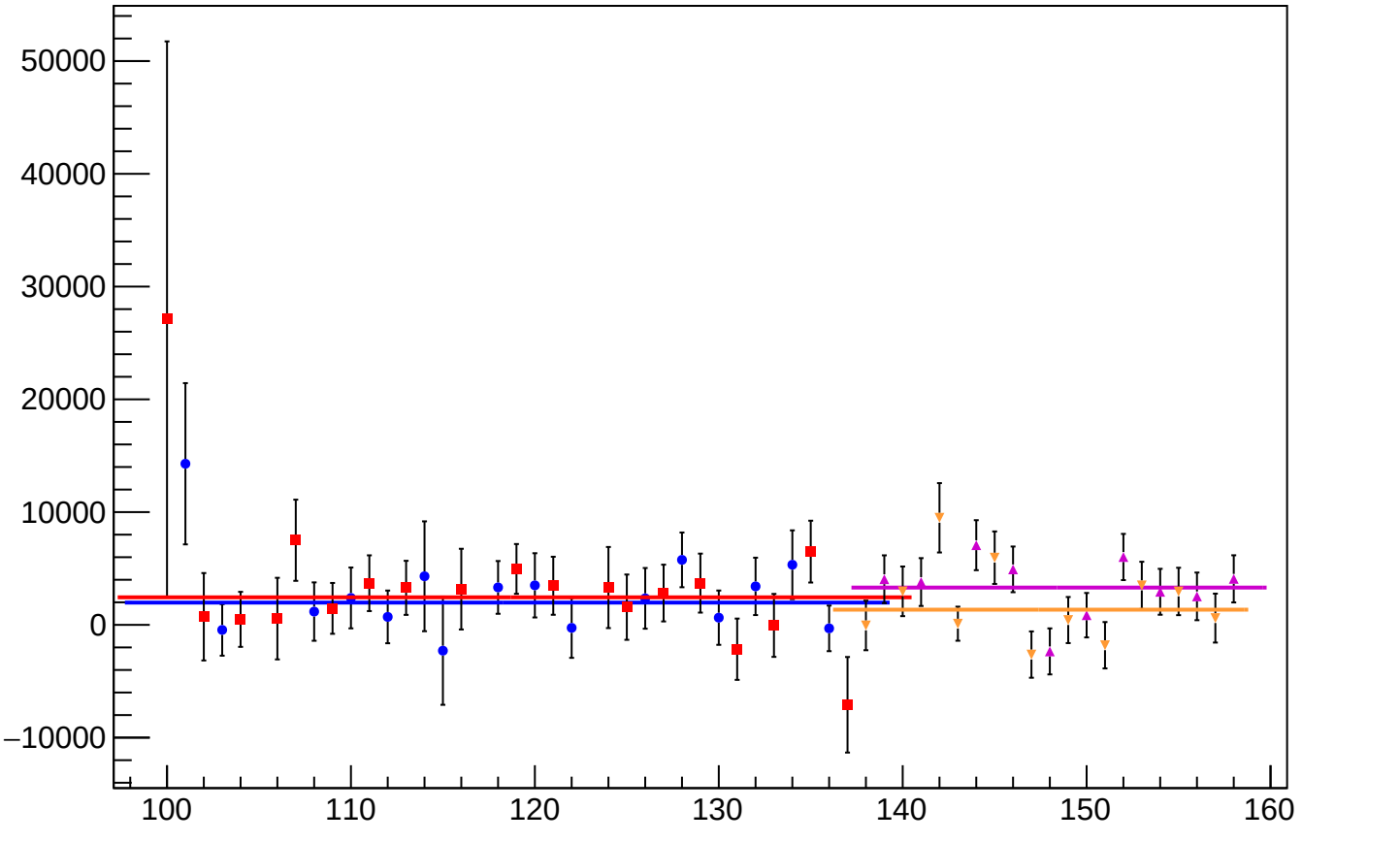
Left: 4792.399+/-0.838 χ^2/NDF: 1825044.6/20

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3745.305+/-0.700 χ^2/NDF:3092812.7/25

Out: 3317.298+/-0.629 χ^2/NDF:4255267.9/29

All: 3508.491+/-0.468 χ^2/NDF: 7554800.0/55



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1346.987+/-629.703 χ^2/NDF:20.7/10

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3307.314+/-656.248 χ^2/NDF:15.0/9

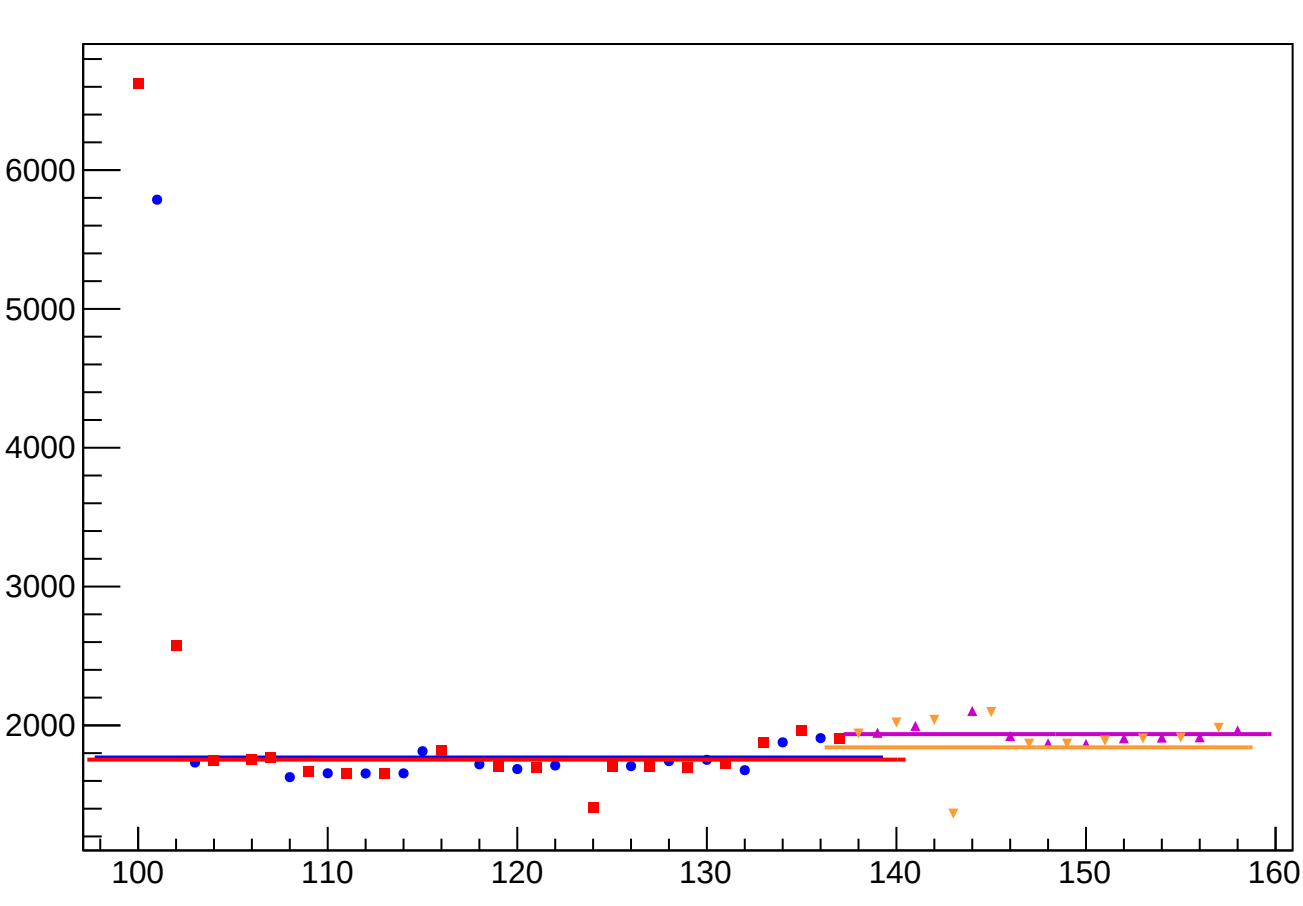
Left: 2286.702+/-454.362 χ^2/NDF: 40.3/20

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2659.410+/-470.218 χ^2/NDF:29.4/25

Out: 1871.758+/-454.837 χ^2/NDF:39.6/29

All: 2252.492+/-326.921 χ^2/NDF: 70.4/55



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1841.972+/-0.445 χ^2/NDF:263851.1/10

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1937.154+/-0.464 χ^2/NDF:18920.0/9

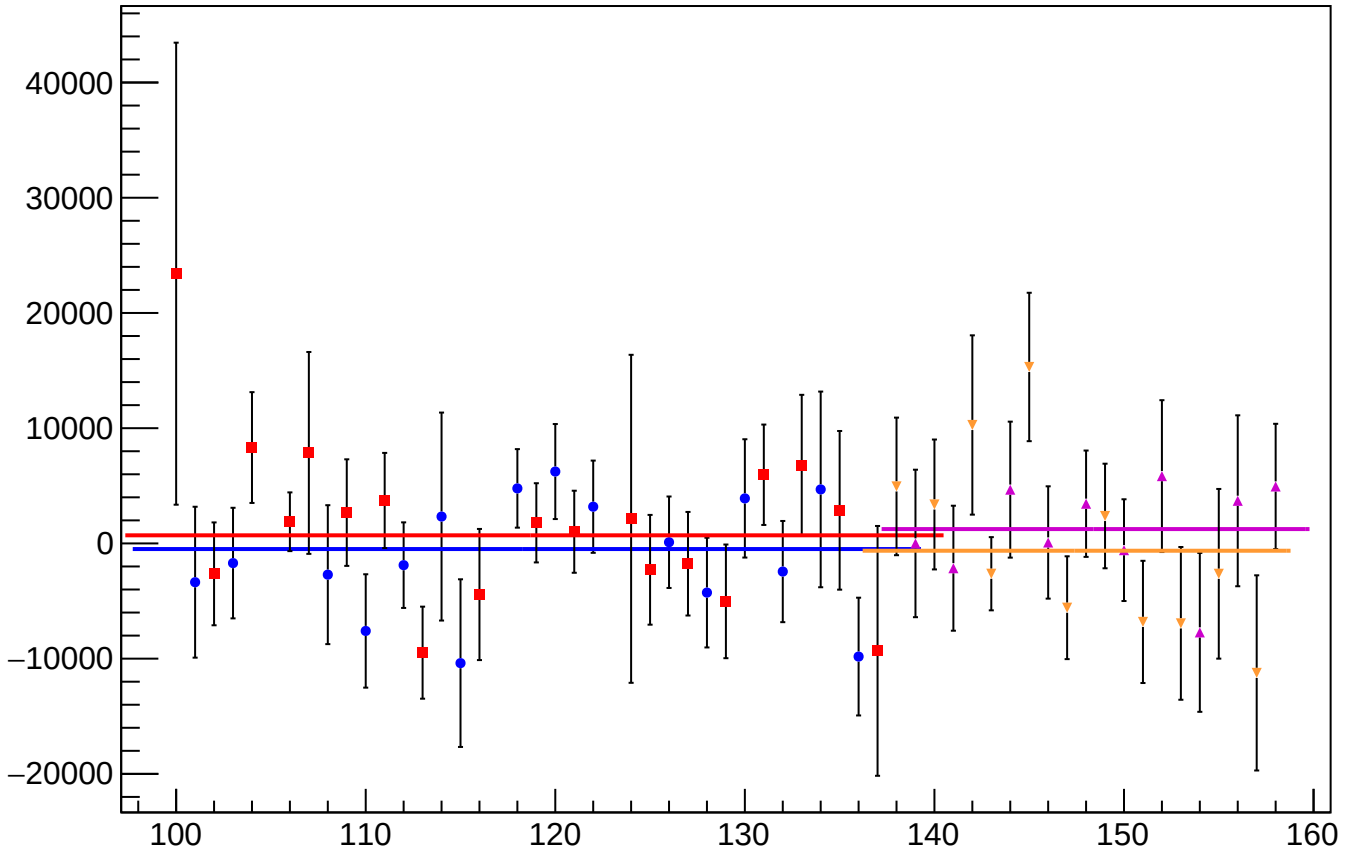
Left: 1887.599+/-0.321 χ^2/NDF: 304675.7/20

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1855.078+/-0.332 χ^2/NDF:750579.4/25

Out: 1799.484+/-0.321 χ^2/NDF:501700.2/29

All: 1826.322+/-0.231 χ^2/NDF: 1266740.7/55



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -634.547+/-1603.819 χ^2/NDF:15.4/10

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1245.020+/-1757.986 χ^2/NDF:4.0/9

Left: 219.224+/-1184.833 χ^2/NDF: 20.0/20

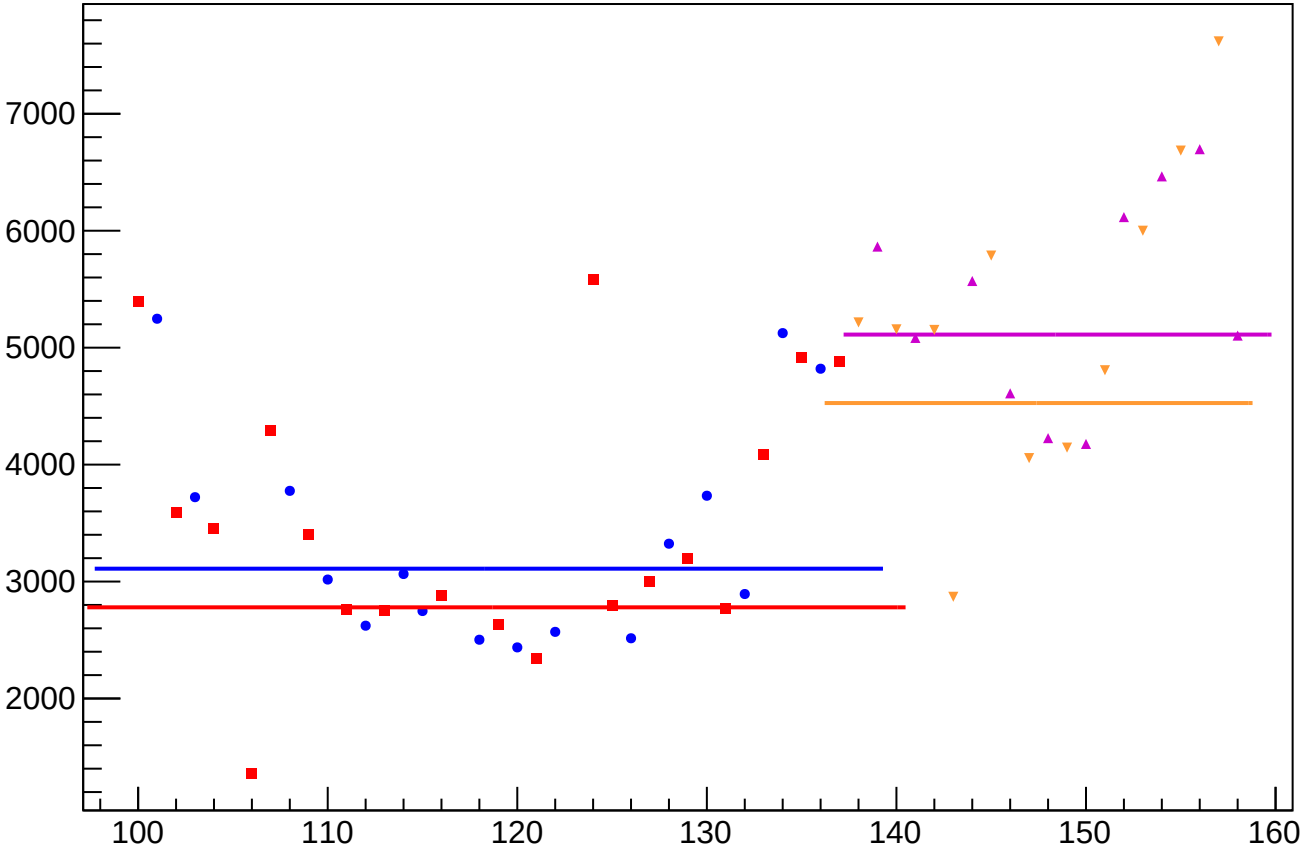
Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 61.826+/-990.268 χ^2/NDF:20.4/25

Out: 291.539+/-889.783 χ^2/NDF:34.8/29

All: 188.925+/-661.855 χ^2/NDF: 55.2/55

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4526.477+/-1.134 χ^2/NDF:1264790.8/10

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5111.909+/-1.243 χ^2/NDF:439216.7/9

Left: 4792.403+/-0.838 χ^2/NDF: 1825054.9/20

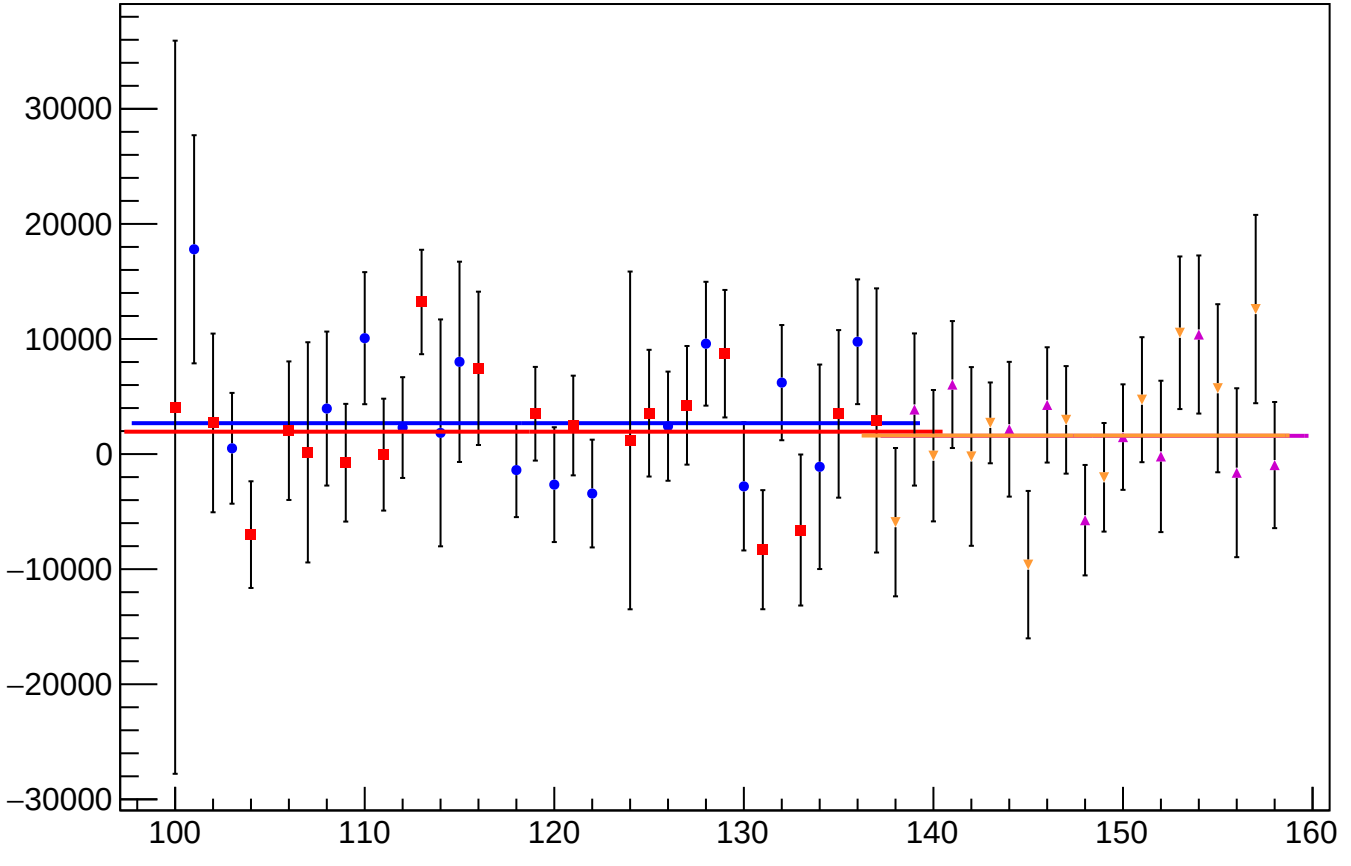
Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3745.295+/-0.700 χ^2/NDF:3092856.2/25

Out: 3317.287+/-0.629 χ^2/NDF:4255325.6/29

All: 3508.480+/-0.468 χ^2/NDF: 7554903.9/55

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 1611.301+/-1671.642 χ^2/NDF:9.6/10

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1586.496+/-1790.498 χ^2/NDF:5.5/9

Left: 1599.749+/-1221.889 χ^2/NDF: 15.1/20

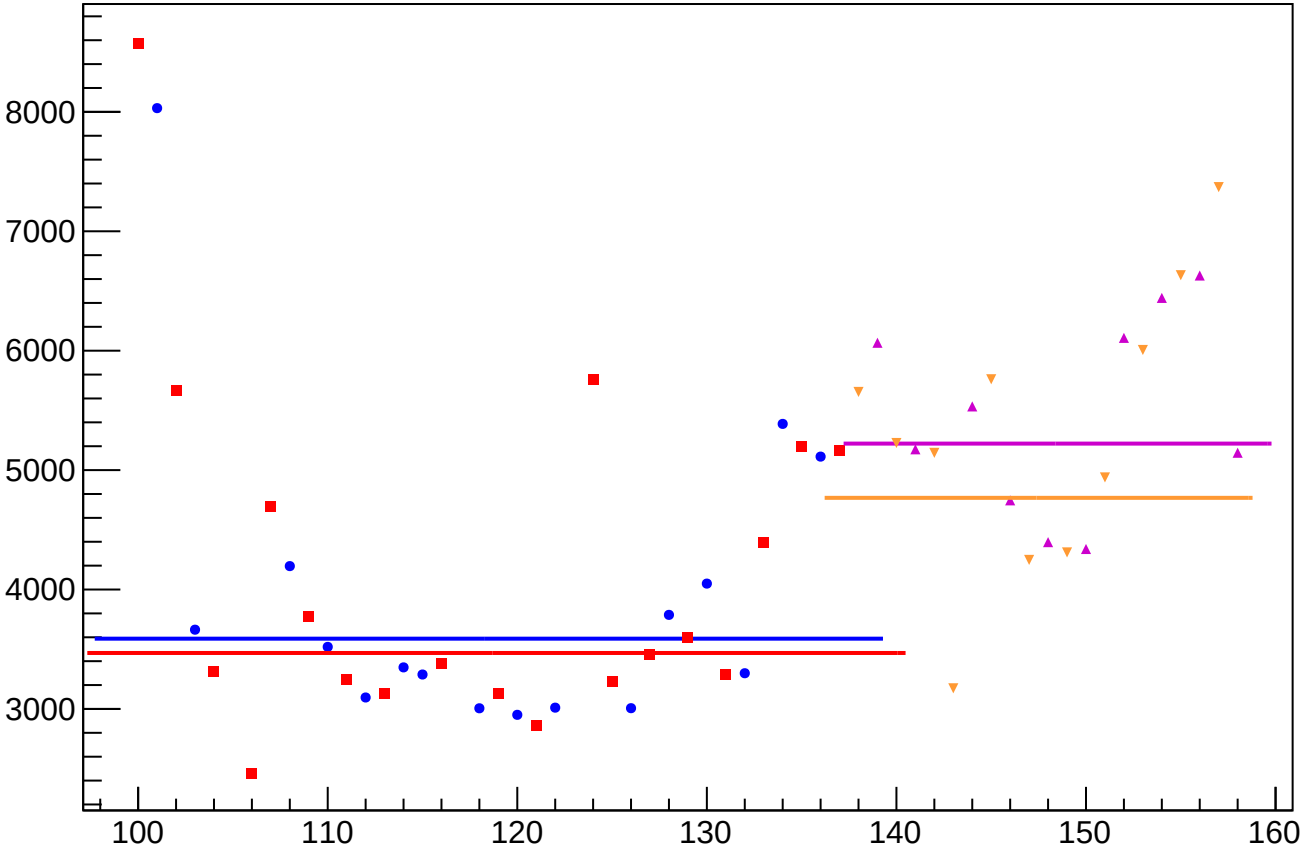
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2275.926+/-1092.980 χ^2/NDF:19.2/25

Out: 1815.709+/-1042.202 χ^2/NDF:28.3/29

All: 2034.879+/-754.261 χ^2/NDF: 47.7/55

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4767.785+/-1.182 χ^2/NDF:963977.1/10

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5222.013+/-1.266 χ^2/NDF:362997.3/9

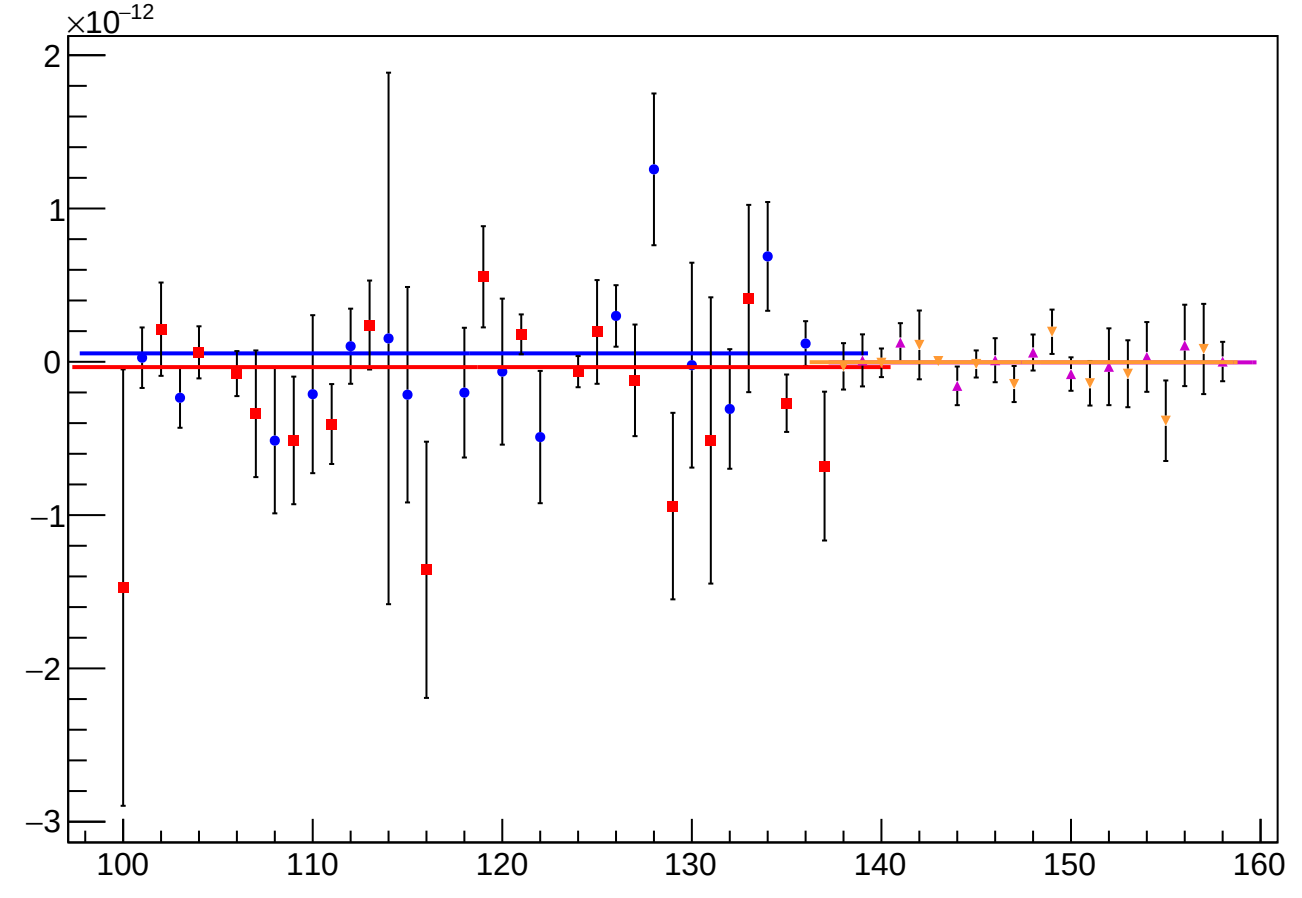
Left: 4979.324+/-0.864 χ^2/NDF: 1395745.6/20

Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4197.149+/-0.773 χ^2/NDF:2252670.6/25

Out: 3964.196+/-0.730 χ^2/NDF:2377724.4/29

All: 4074.043+/-0.531 χ^2/NDF: 4678407.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/9

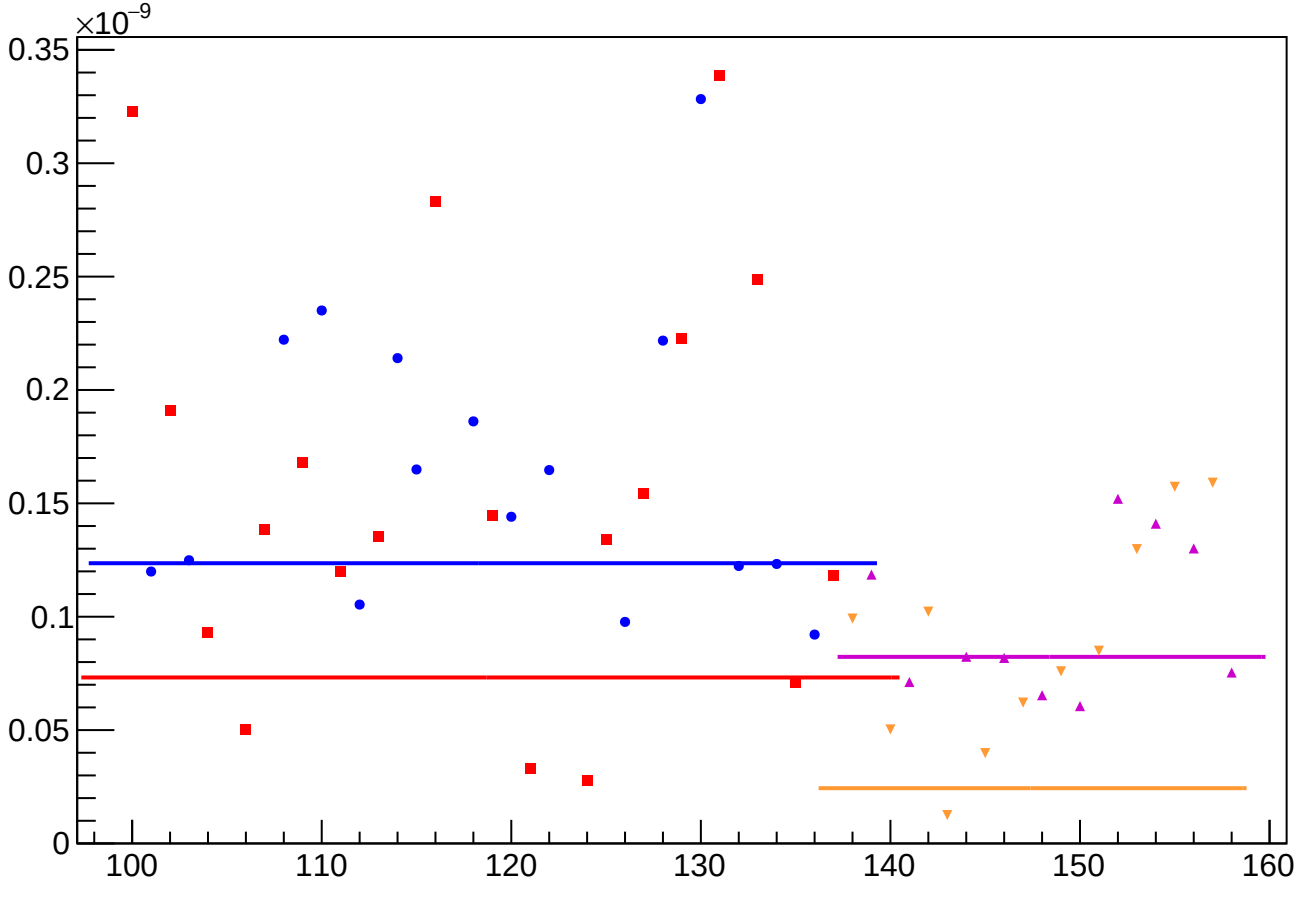
Left: -0.000+/-0.000 χ^2/NDF: 10.5/20

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:21.7/25

Out: -0.000+/-0.000 χ^2/NDF:29.5/29

All: -0.000+/-0.000 χ^2/NDF: 51.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3707364.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:586318.1/9

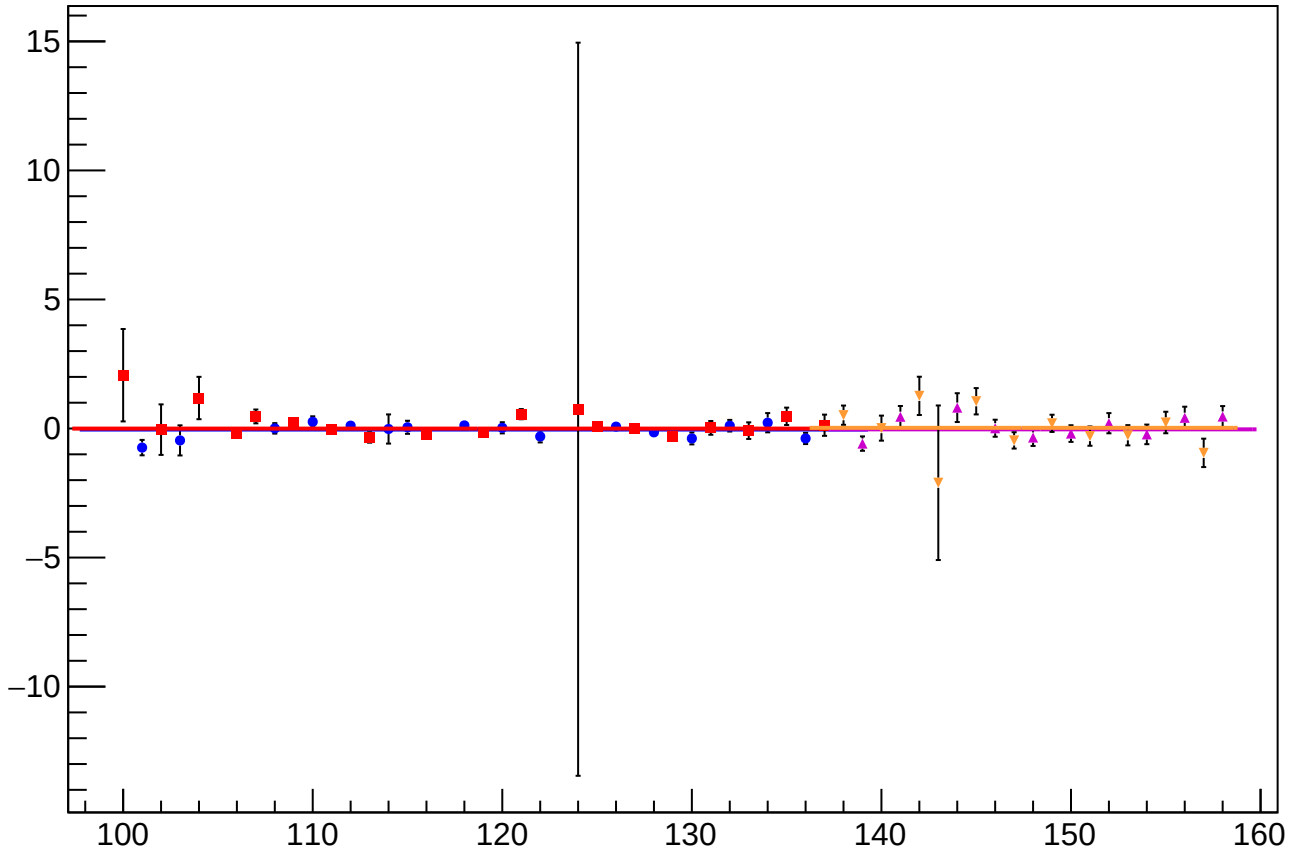
Left: 0.000+/-0.000 χ^2/NDF: 6973367.7/20

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1705995.8/25

Out: 0.000+/-0.000 χ^2/NDF:7371379.8/29

All: 0.000+/-0.000 χ^2/NDF: 13418948.4/55



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.026+/-0.130 χ^2/NDF:16.4/10

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.033+/-0.115 χ^2/NDF:12.0/9

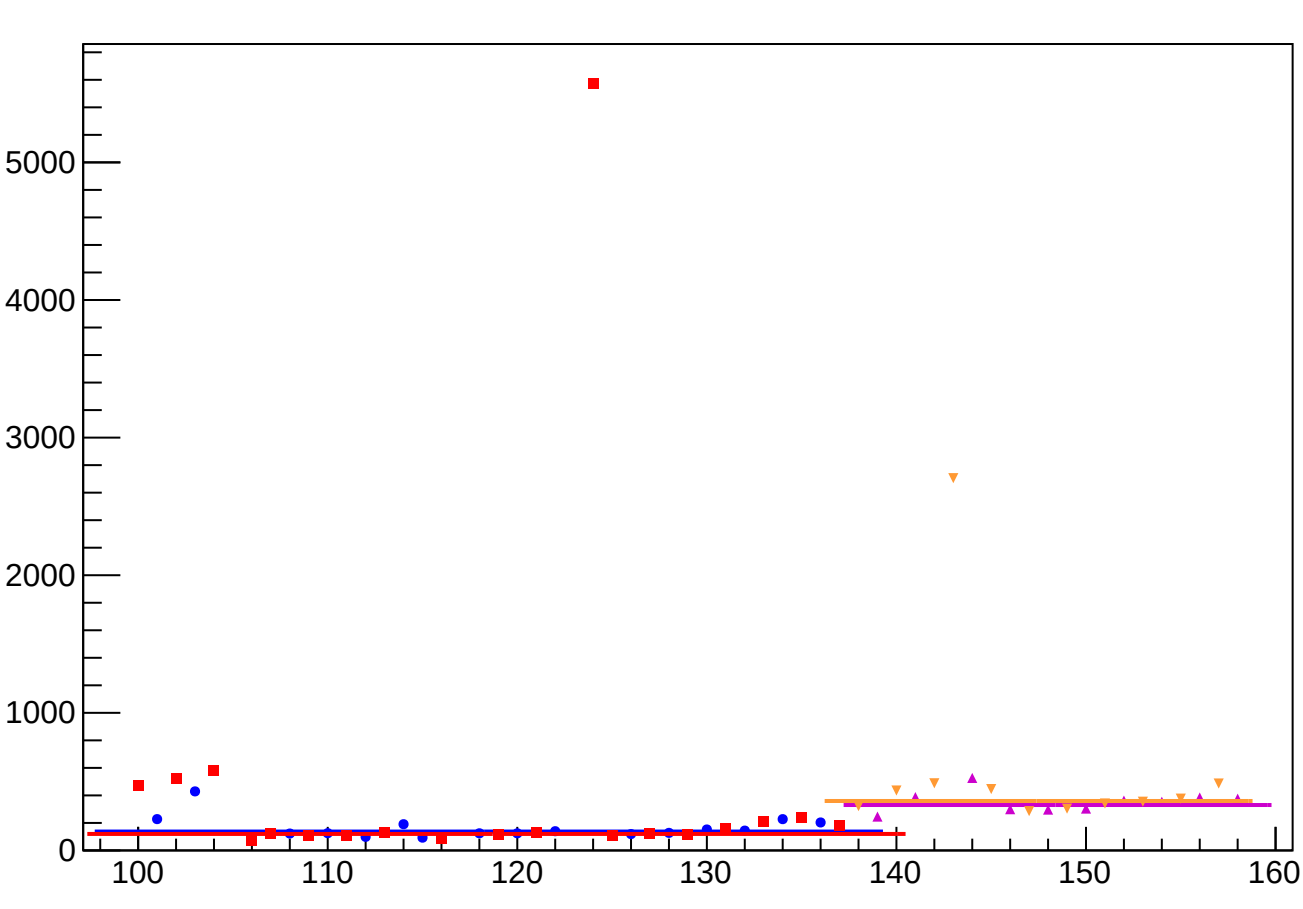
Left: -0.007+/-0.086 χ^2/NDF: 28.5/20

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:29.9/25

Out: 0.001+/-0.047 χ^2/NDF:45.1/29

All: -0.018+/-0.034 χ^2/NDF: 75.4/55



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 359.479+/-0.092 χ^2/NDF:1693747.6/10

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 330.197+/-0.082 χ^2/NDF:599606.3/9

Left: 343.080+/-0.061 χ^2/NDF: 2349928.3/20

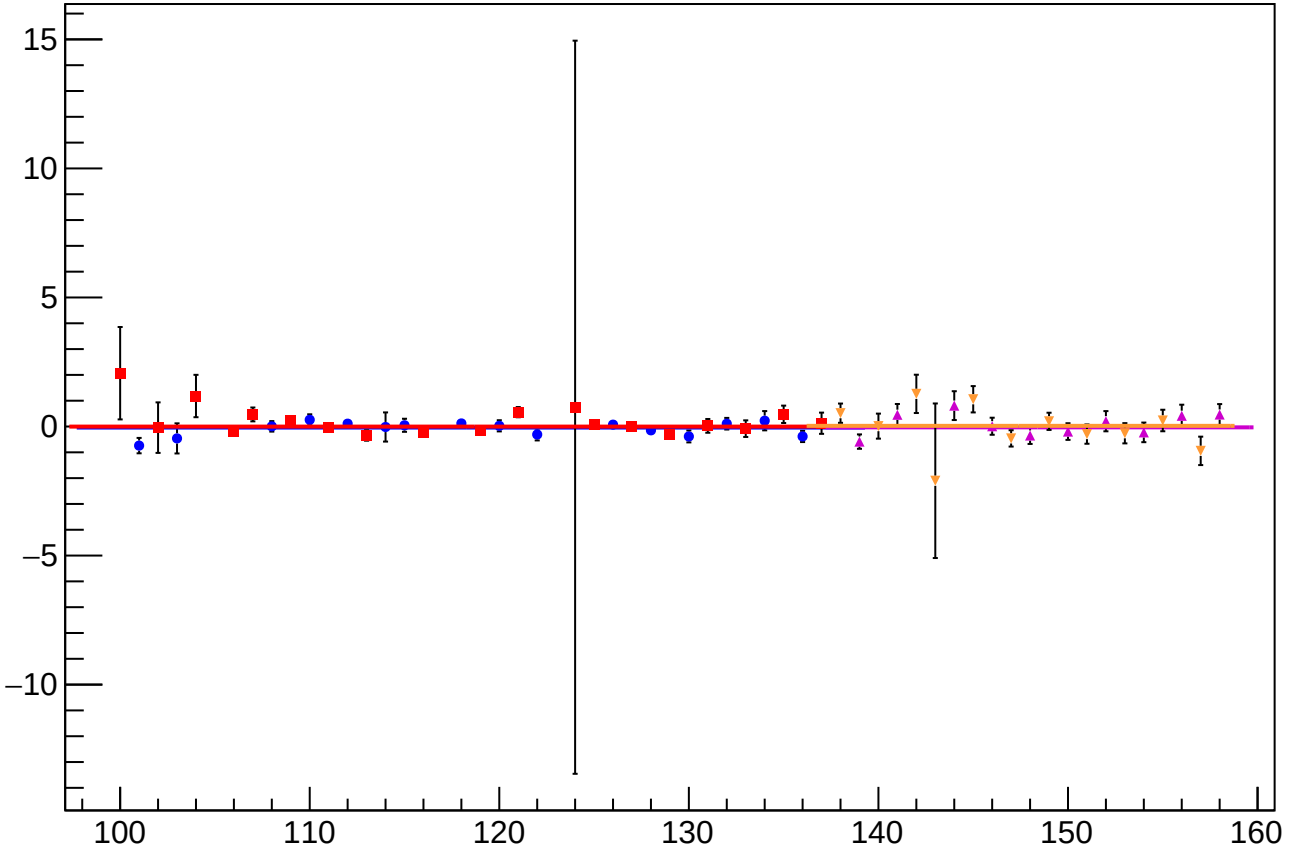
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 173.914+/-0.036 χ^2/NDF:6386475.4/25

Out: 151.742+/-0.034 χ^2/NDF:9694499.1/29

All: 162.187+/-0.024 χ^2/NDF: 16286847.1/55

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: 0.026+/-0.130 χ^2/NDF:16.4/10

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.033+/-0.115 χ^2/NDF:12.0/9

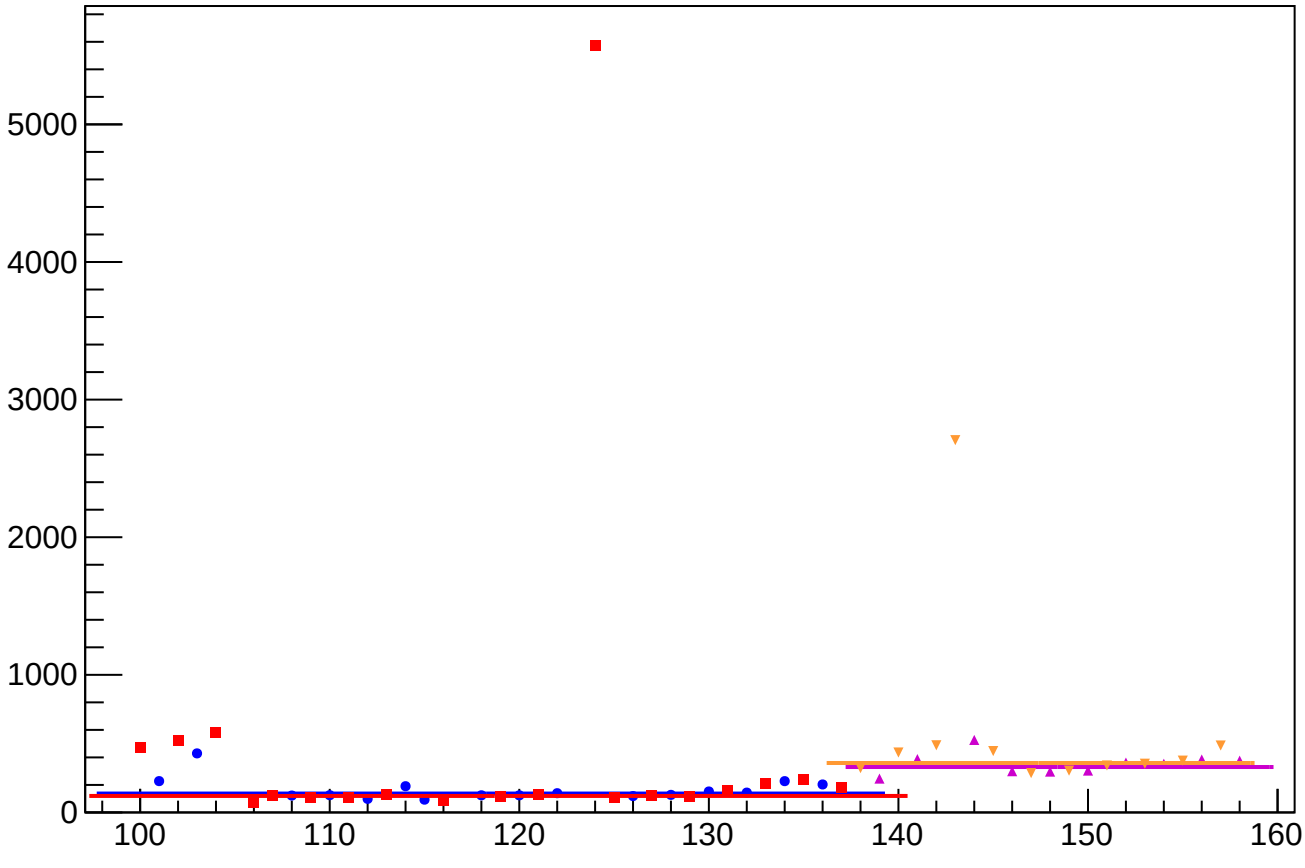
Left: -0.007+/-0.086 χ^2/NDF: 28.5/20

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:29.9/25

Out: 0.001+/-0.047 χ^2/NDF:45.1/29

All: -0.018+/-0.034 χ^2/NDF: 75.4/55



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 359.479+/-0.092 χ^2/NDF:1693747.6/10

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 330.197+/-0.082 χ^2/NDF:599606.3/9

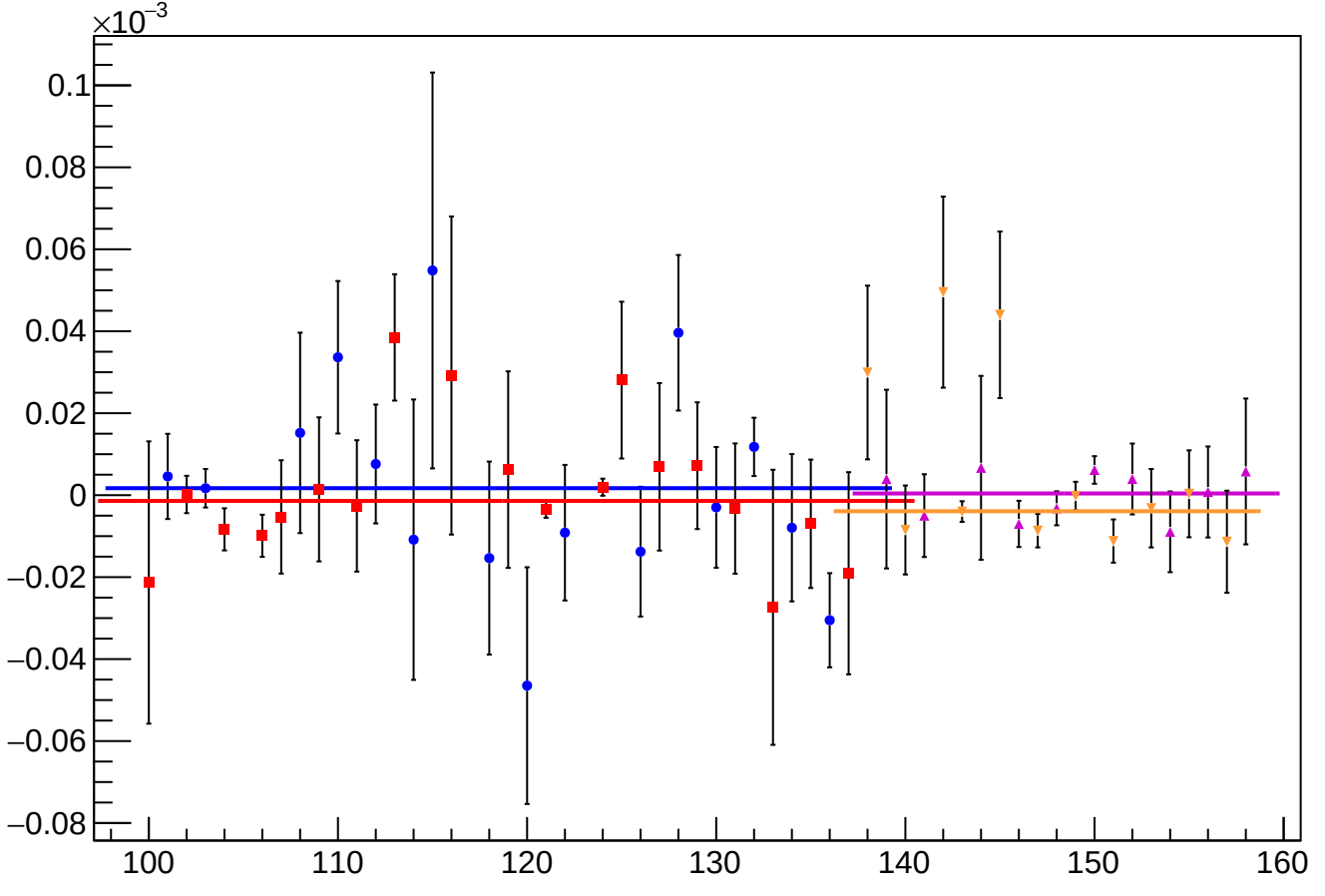
Left: 343.080+/-0.061 χ^2/NDF: 2349928.3/20

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 173.914+/-0.036 χ^2/NDF:6386475.4/25

Out: 151.742+/-0.034 χ^2/NDF:9694499.1/29

All: 162.187+/-0.024 χ^2/NDF: 16286847.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/9

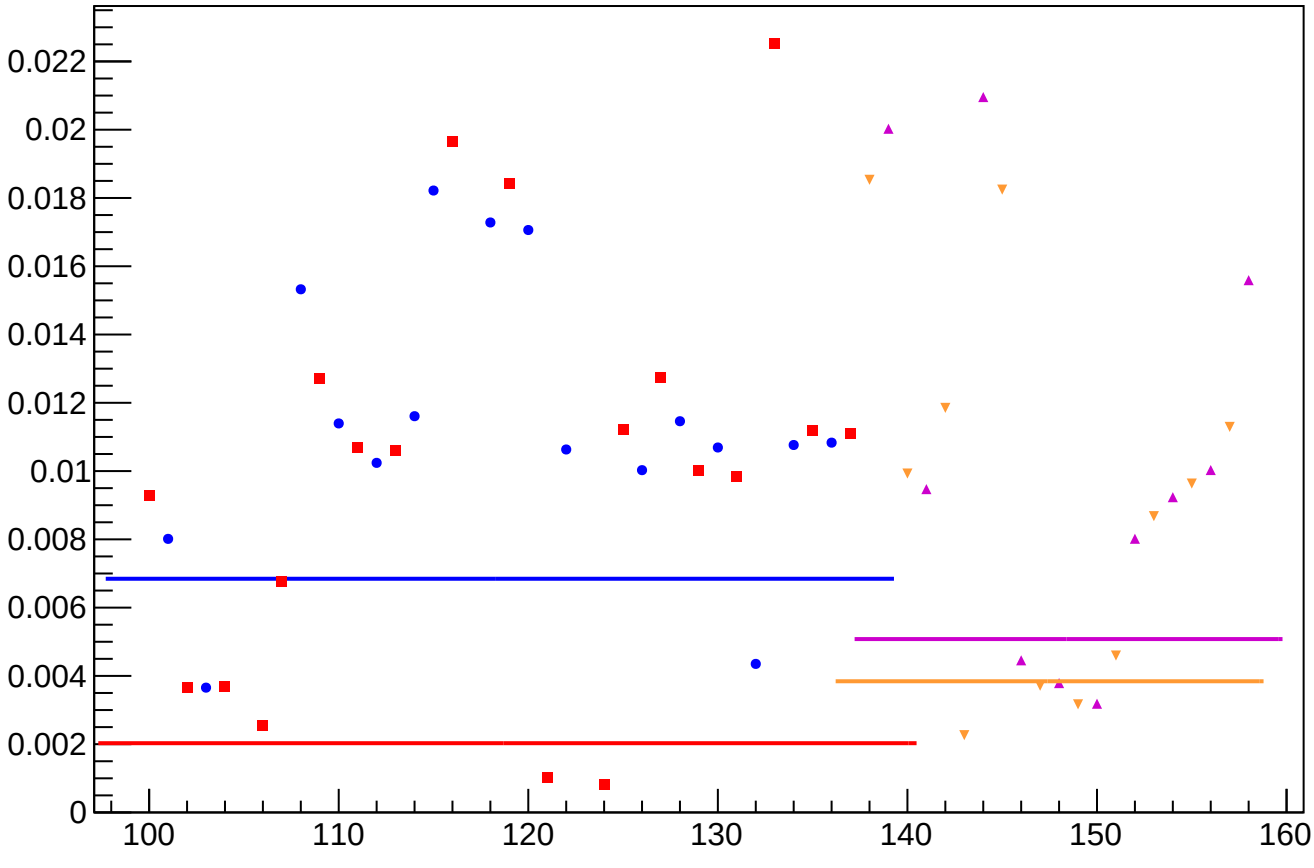
Left: -0.000+/-0.000 χ^2/NDF: 28.1/20

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:30.9/25

Out: -0.000+/-0.000 χ^2/NDF:40.2/29

All: -0.000+/-0.000 χ^2/NDF: 73.7/55



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:5557805.0/10

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:4855615.7/9

Left: 0.004+/-0.000 χ^2/NDF: 10846430.7/20

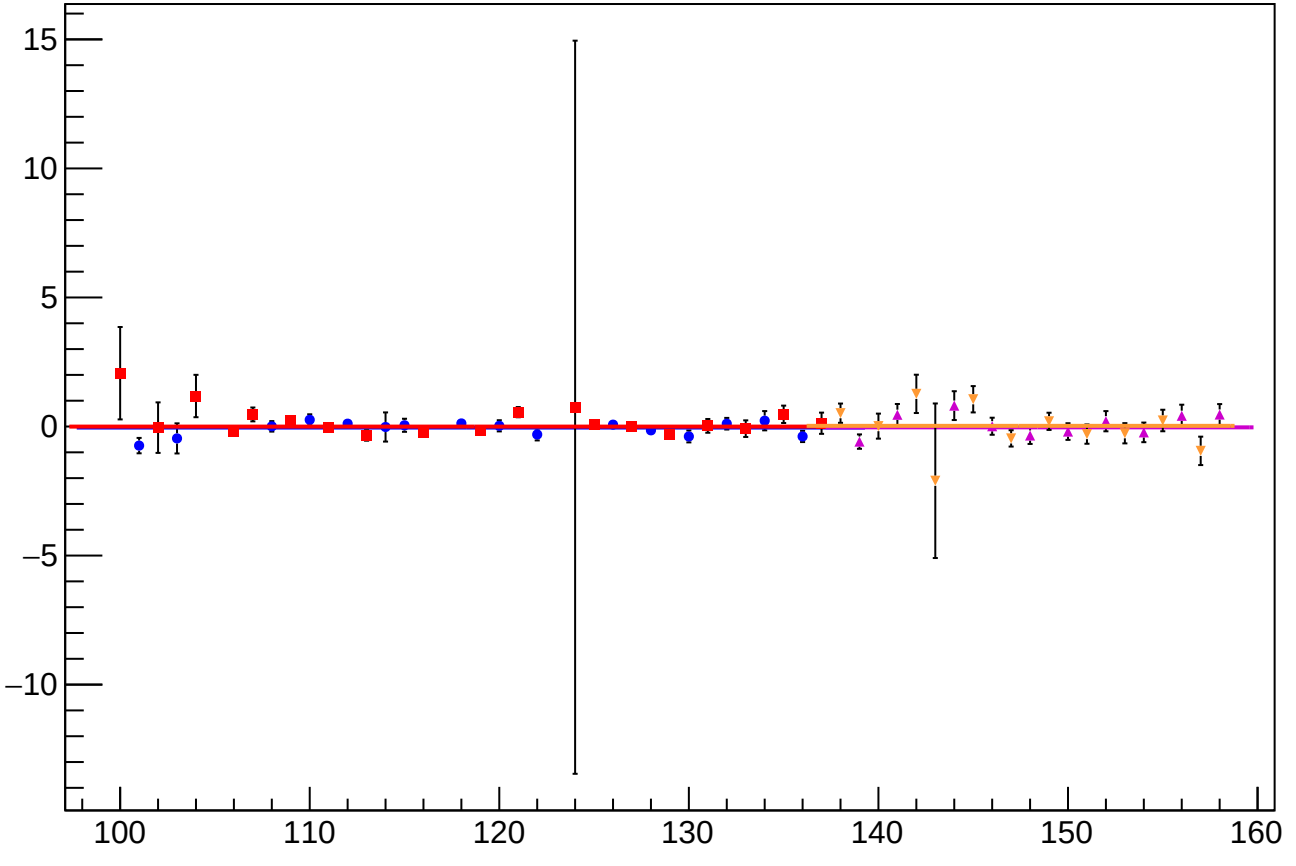
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:8558174.4/25

Out: 0.003+/-0.000 χ^2/NDF:16124197.1/29

All: 0.003+/-0.000 χ^2/NDF: 29149469.5/55

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: 0.026+/-0.130 χ^2/NDF:16.4/10

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.033+/-0.115 χ^2/NDF:12.0/9

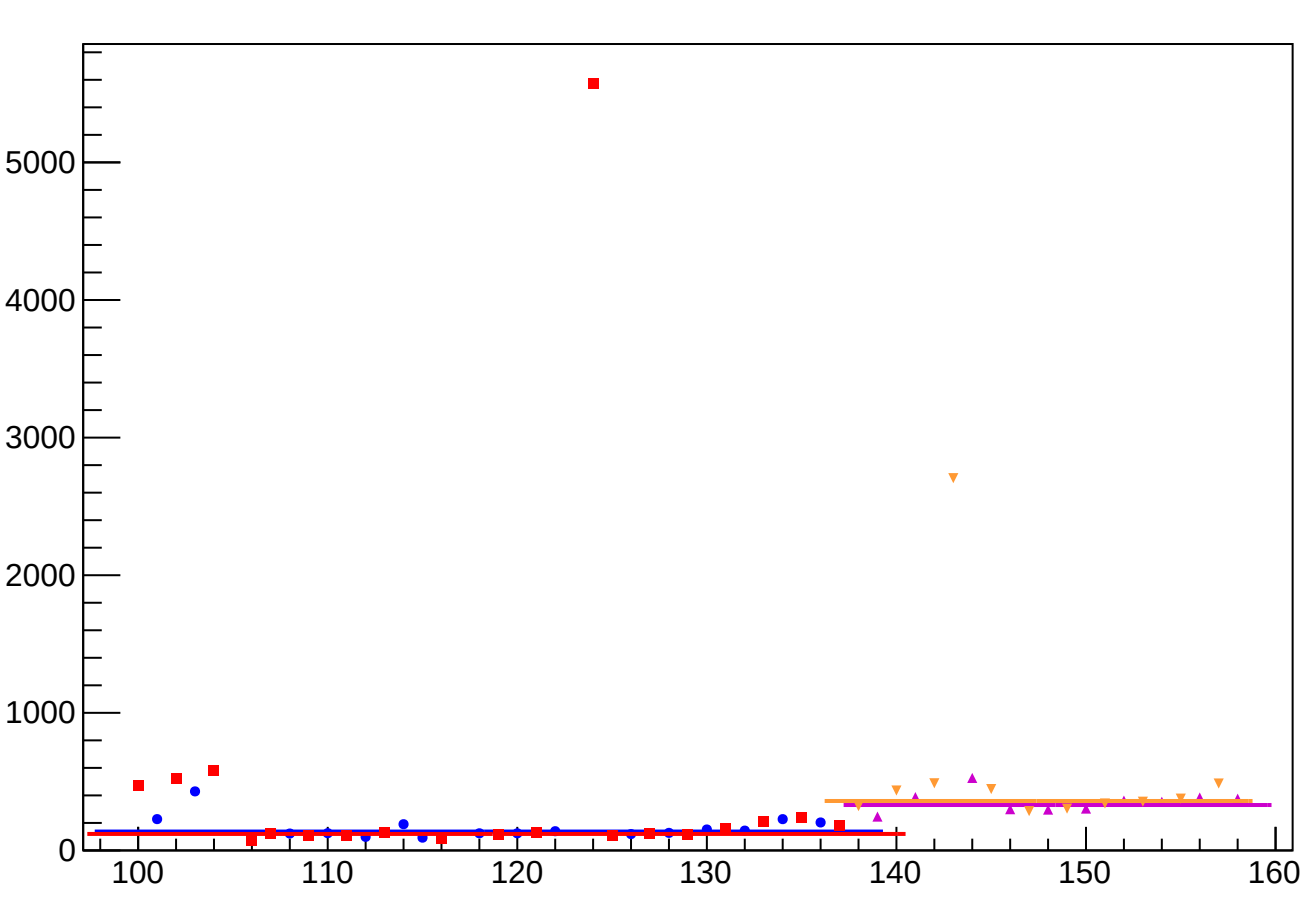
Left: -0.007+/-0.086 χ^2/NDF: 28.5/20

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:30.0/25

Out: 0.001+/-0.047 χ^2/NDF:45.1/29

All: -0.018+/-0.034 χ^2/NDF: 75.4/55



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 359.482+/-0.092 χ^2/NDF:1693786.8/10

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 330.201+/-0.082 χ^2/NDF:599602.4/9

Left: 343.084+/-0.061 χ^2/NDF: 2349956.9/20

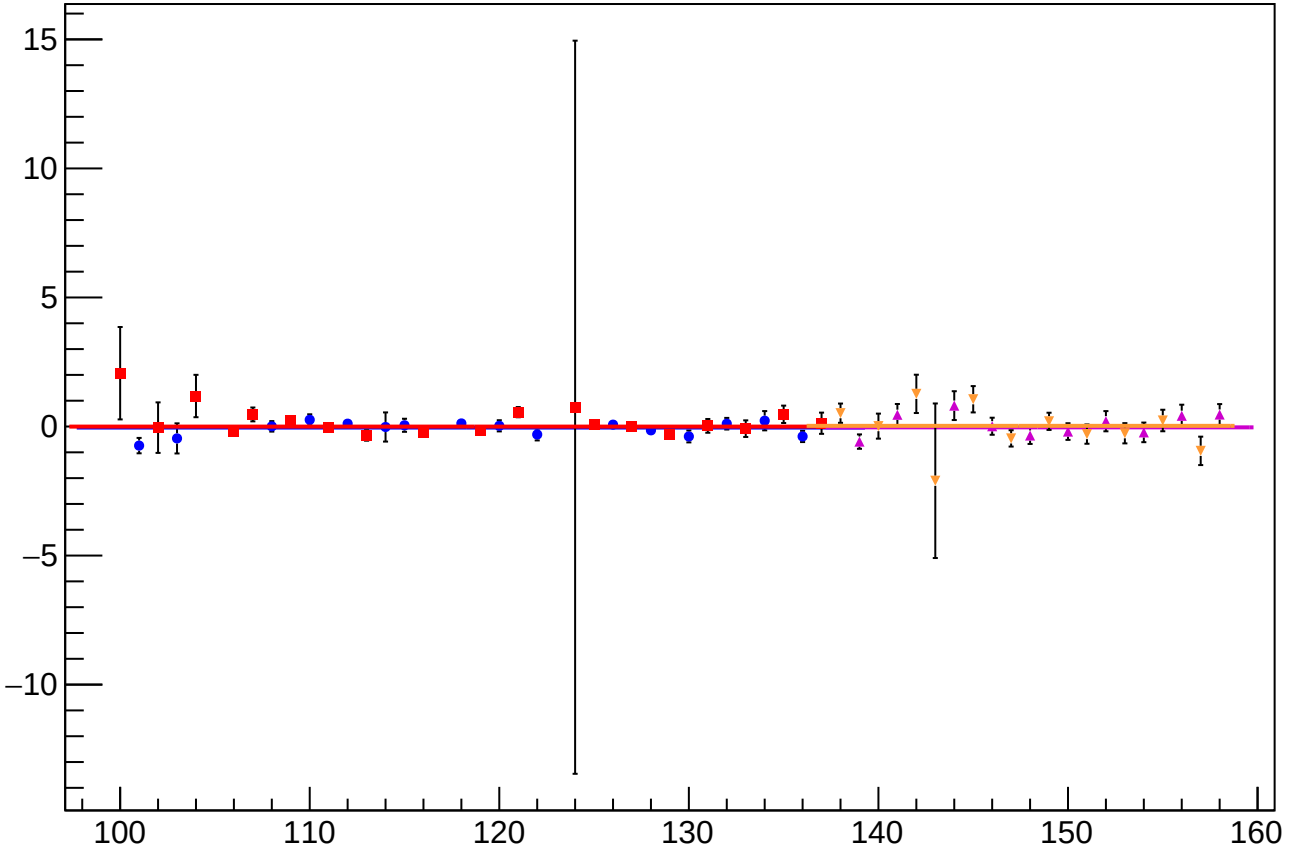
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 173.915+/-0.036 χ^2/NDF:6386476.2/25

Out: 151.742+/-0.034 χ^2/NDF:9694524.6/29

All: 162.188+/-0.024 χ^2/NDF: 16286895.7/55

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: 0.026+/-0.130 χ^2/NDF:16.4/10

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.033+/-0.115 χ^2/NDF:12.0/9

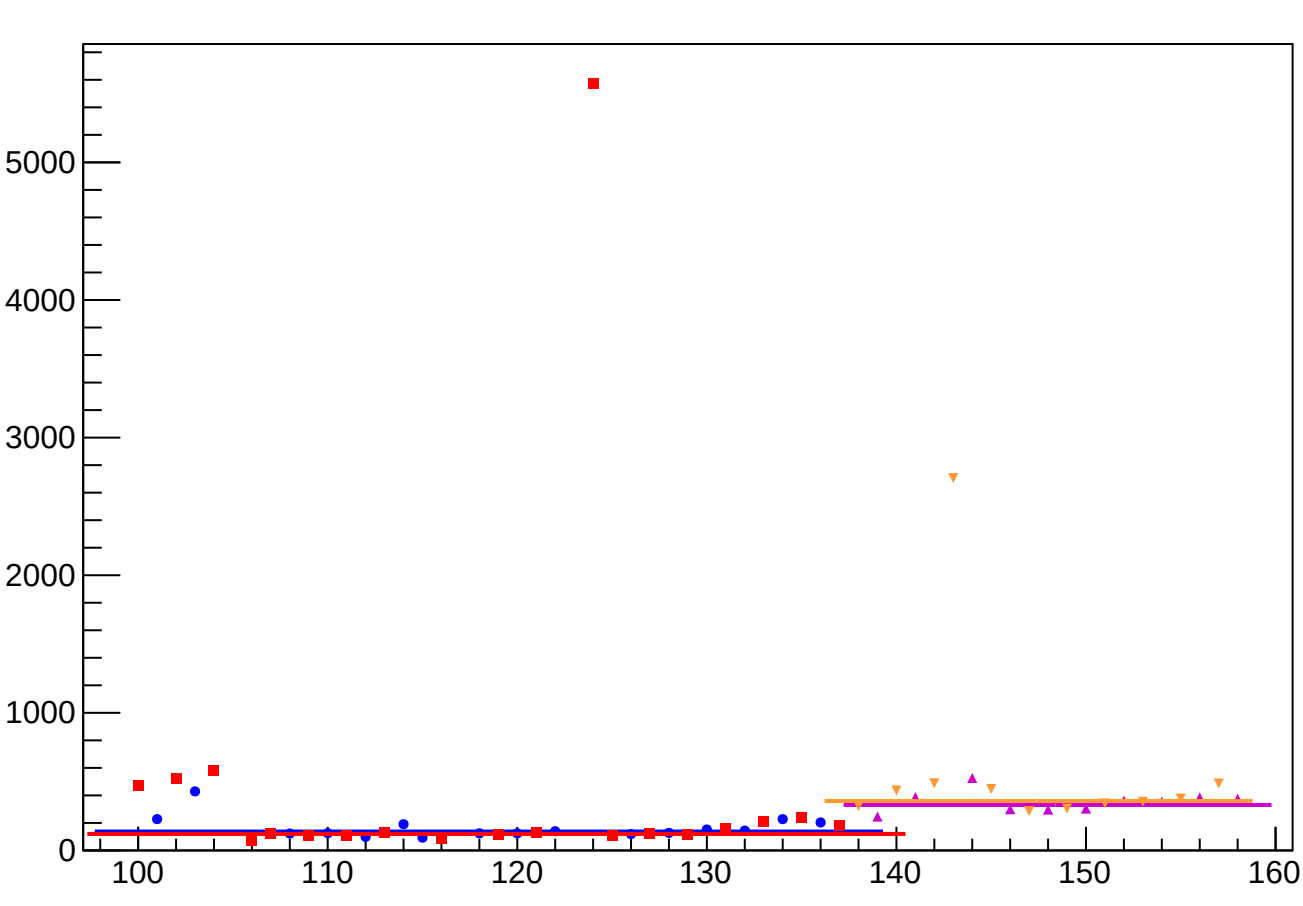
Left: -0.007+/-0.086 χ^2/NDF: 28.5/20

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:30.0/25

Out: 0.001+/-0.047 χ^2/NDF:45.1/29

All: -0.018+/-0.034 χ^2/NDF: 75.4/55



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 359.482+/-0.092 χ^2/NDF:1693786.8/10

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 330.201+/-0.082 χ^2/NDF:599602.4/9

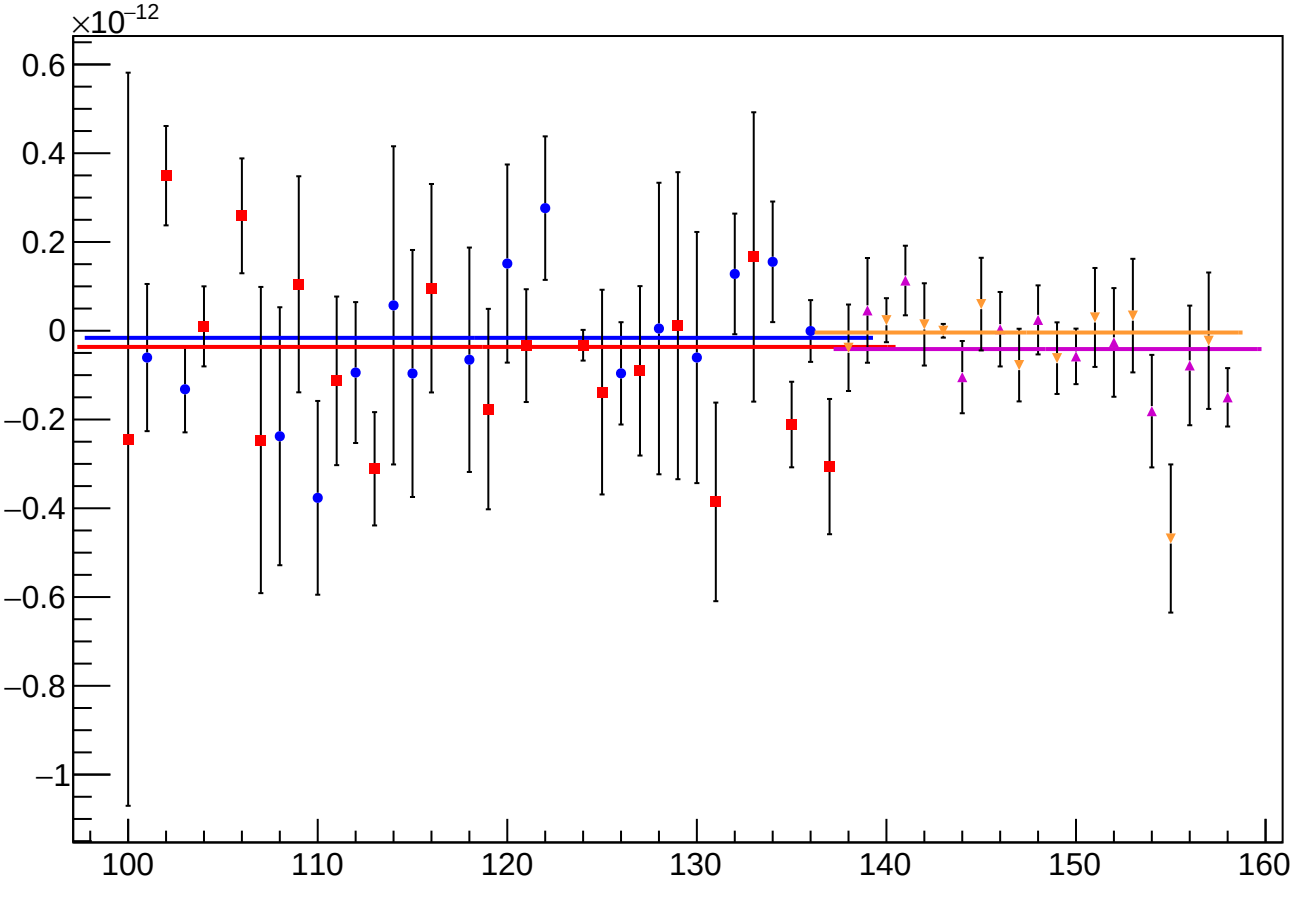
Left: 343.084+/-0.061 χ^2/NDF: 2349956.9/20

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 173.915+/-0.036 χ^2/NDF:6386476.2/25

Out: 151.742+/-0.034 χ^2/NDF:9694524.6/29

All: 162.188+/-0.024 χ^2/NDF: 16286895.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/9

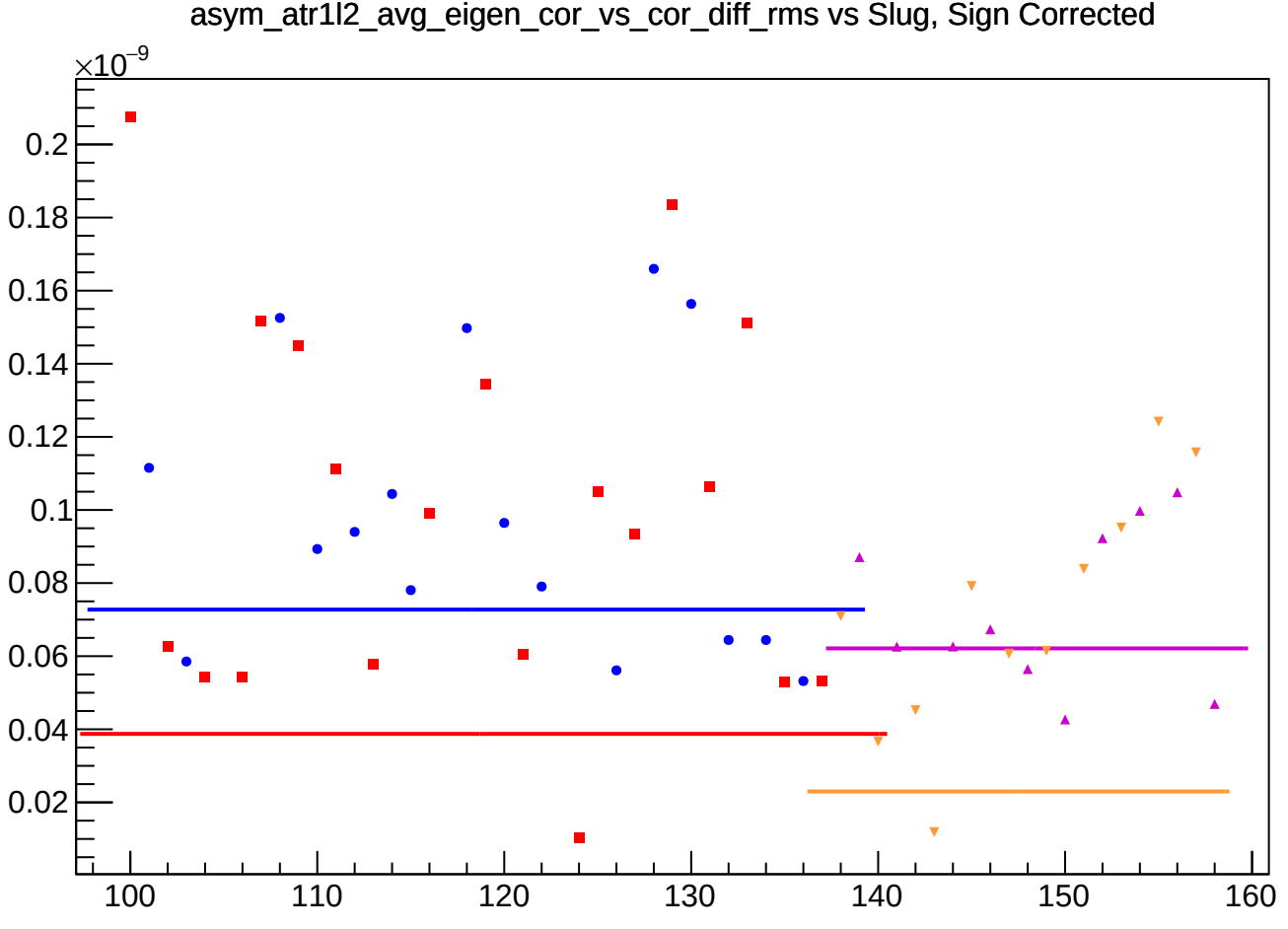
Left: -0.000+/-0.000 χ^2/NDF: 21.8/20

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:22.7/25

Out: -0.000+/-0.000 χ^2/NDF:44.6/29

All: -0.000+/-0.000 χ^2/NDF: 68.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5947874.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:905974.2/9

Left: 0.000+/-0.000 χ^2/NDF: 10193199.6/20

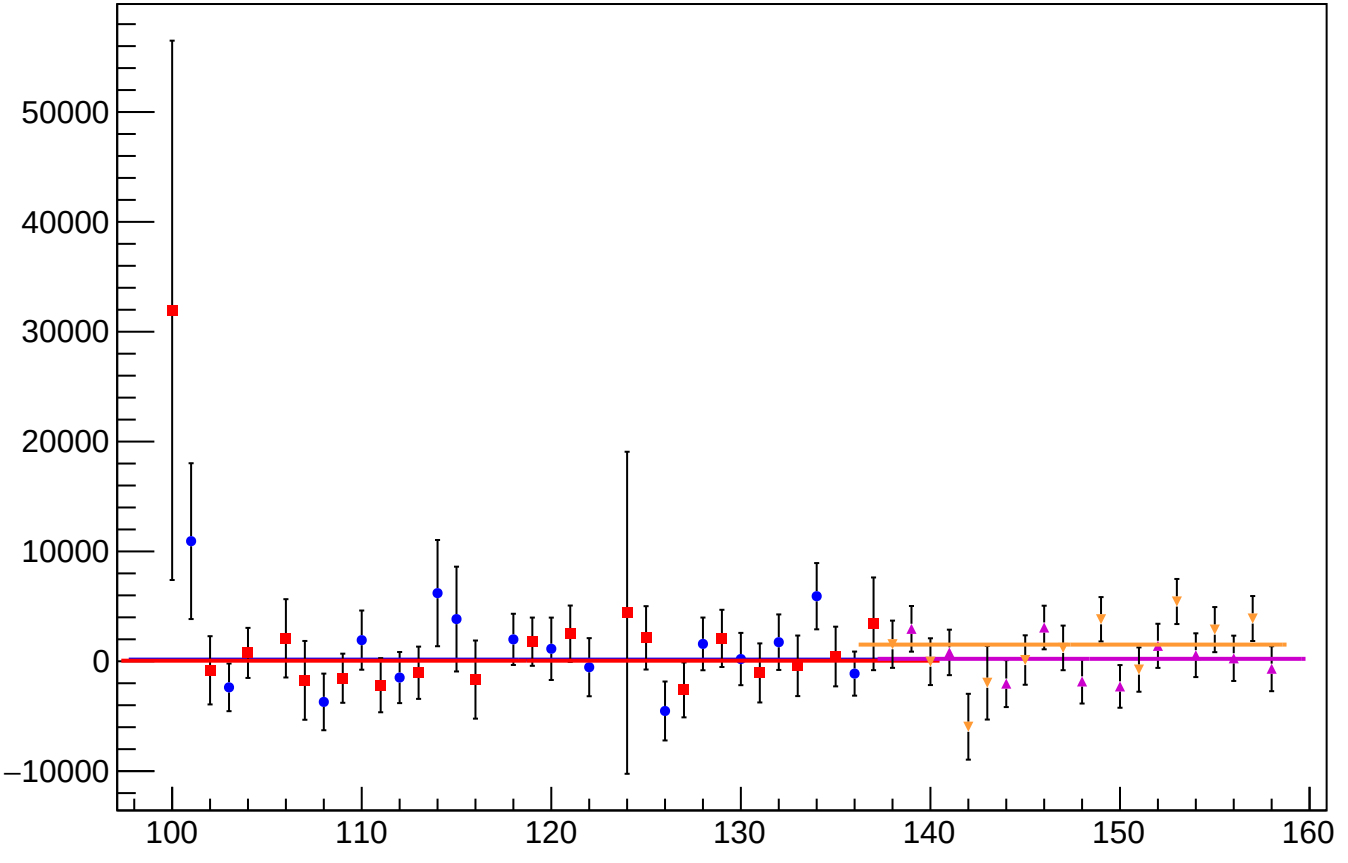
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:2140308.8/25

Out: 0.000+/-0.000 χ^2/NDF:10811699.7/29

All: 0.000+/-0.000 χ^2/NDF: 17917243.7/55

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1518.211+/-662.080 χ^2/NDF:16.3/10

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 222.033+/-642.364 χ^2/NDF:8.3/9

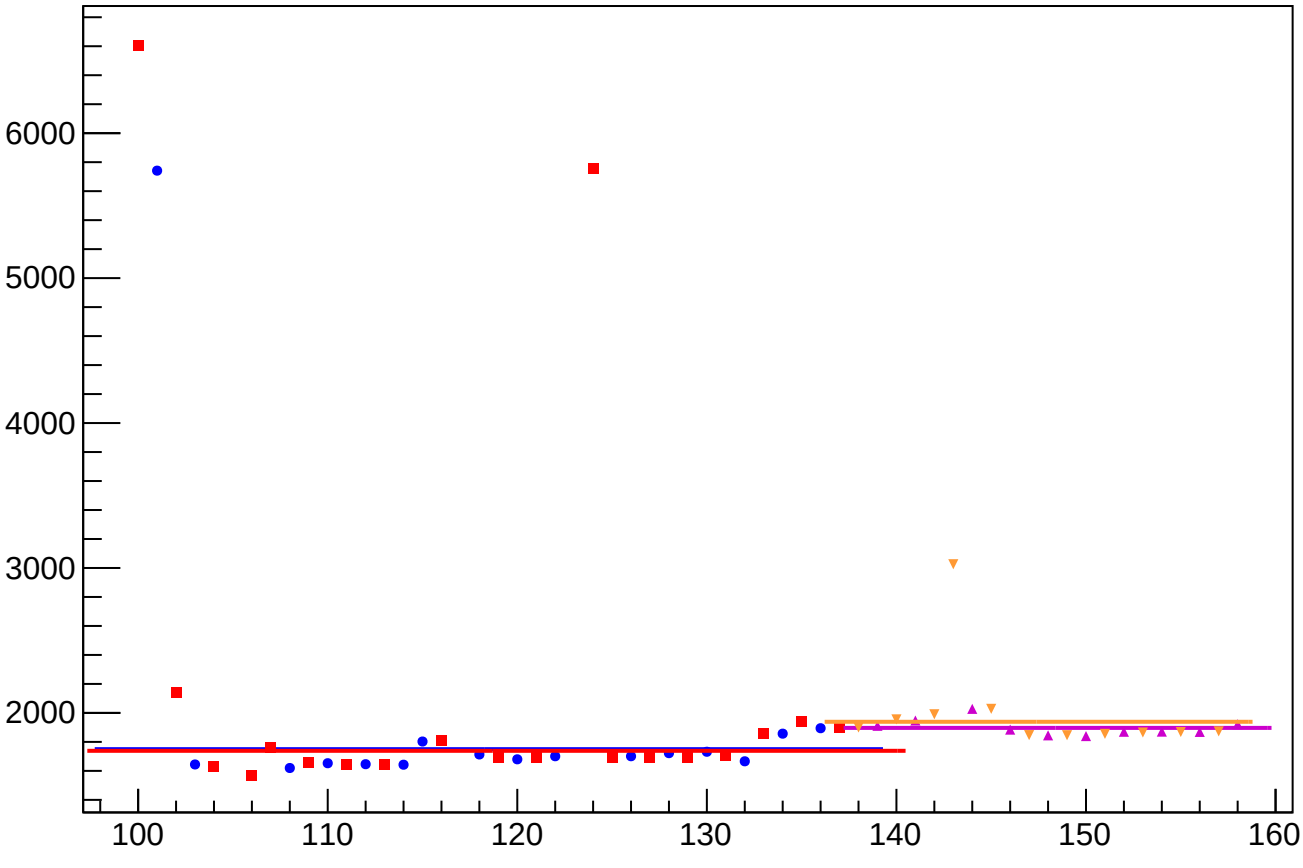
Left: 850.536+/-461.033 χ^2/NDF: 26.5/20

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 187.720+/-462.694 χ^2/NDF:25.9/25

Out: 778.586+/-465.733 χ^2/NDF:27.7/29

All: 481.219+/-328.243 χ^2/NDF: 54.4/55



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1938.742+/-0.468 χ^2/NDF:233969.6/10

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

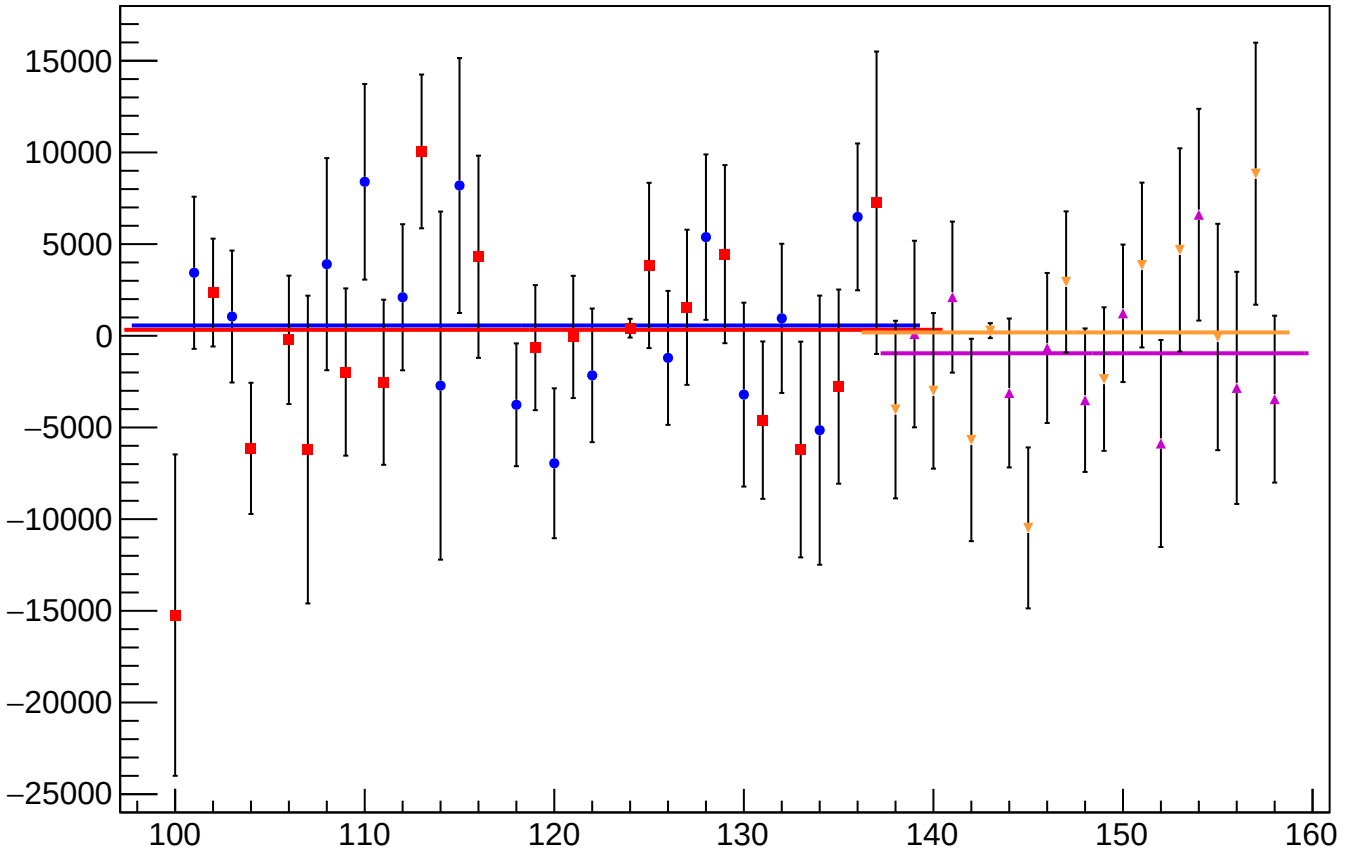
Left: 1917.037+/-0.326 χ^2/NDF: 251413.7/20

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1825.998+/-0.327 χ^2/NDF:733066.0/25

Out: 1836.845+/-0.328 χ^2/NDF:631561.0/29

All: 1831.406+/-0.232 χ^2/NDF: 1365175.0/55



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 182.354+/-394.707 χ^2/NDF:12.1/10

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -954.132+/-1430.128 χ^2/NDF:4.5/9

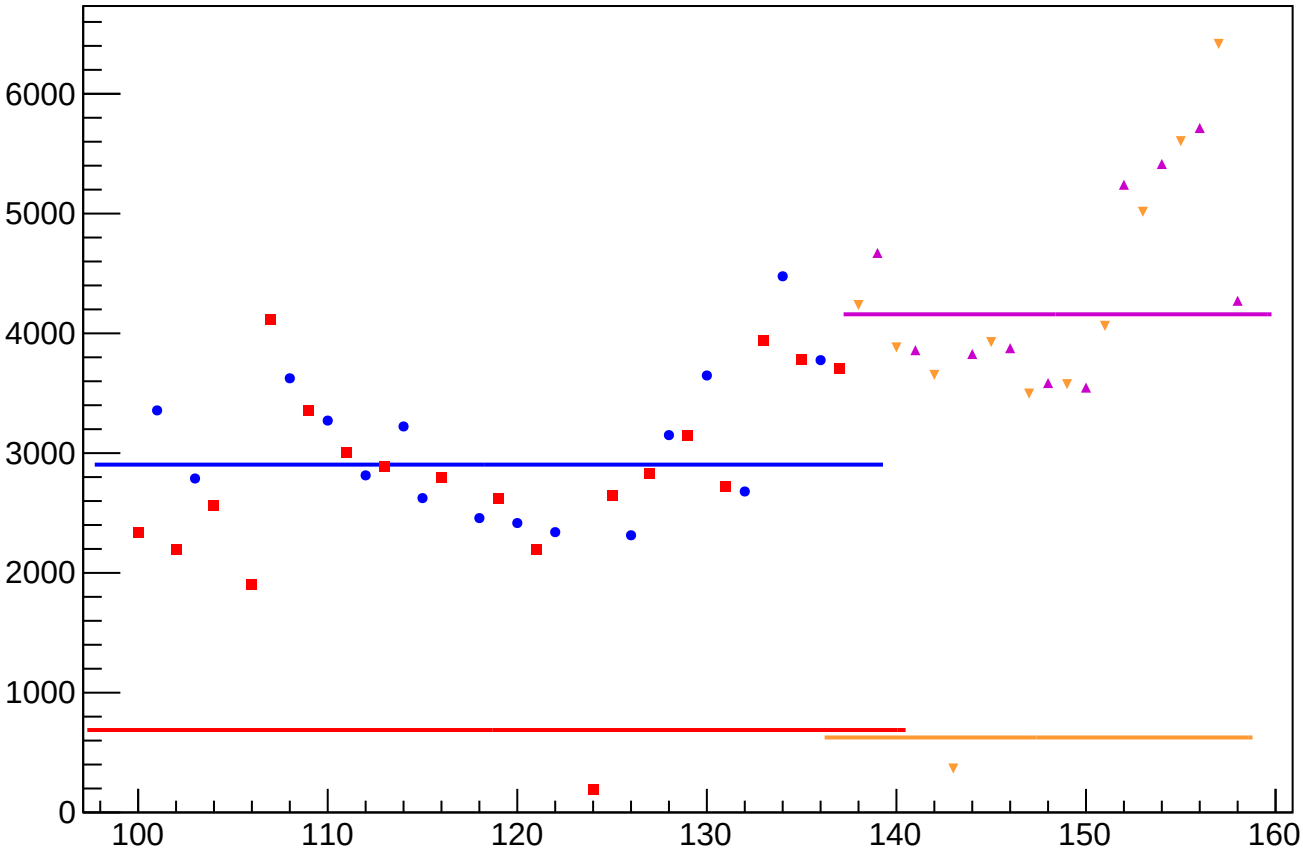
Left: 101.912+/-380.481 χ^2/NDF: 17.2/20

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -2.090+/-872.494 χ^2/NDF:20.0/25

Out: 243.396+/-298.979 χ^2/NDF:31.4/29

All: 217.599+/-282.834 χ^2/NDF: 51.5/55



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 626.005+/-0.279 χ^2/NDF:12111873.2/10

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4159.077+/-1.011 χ^2/NDF:439866.7/9

Left: 876.079+/-0.269 χ^2/NDF: 23894095.9/20

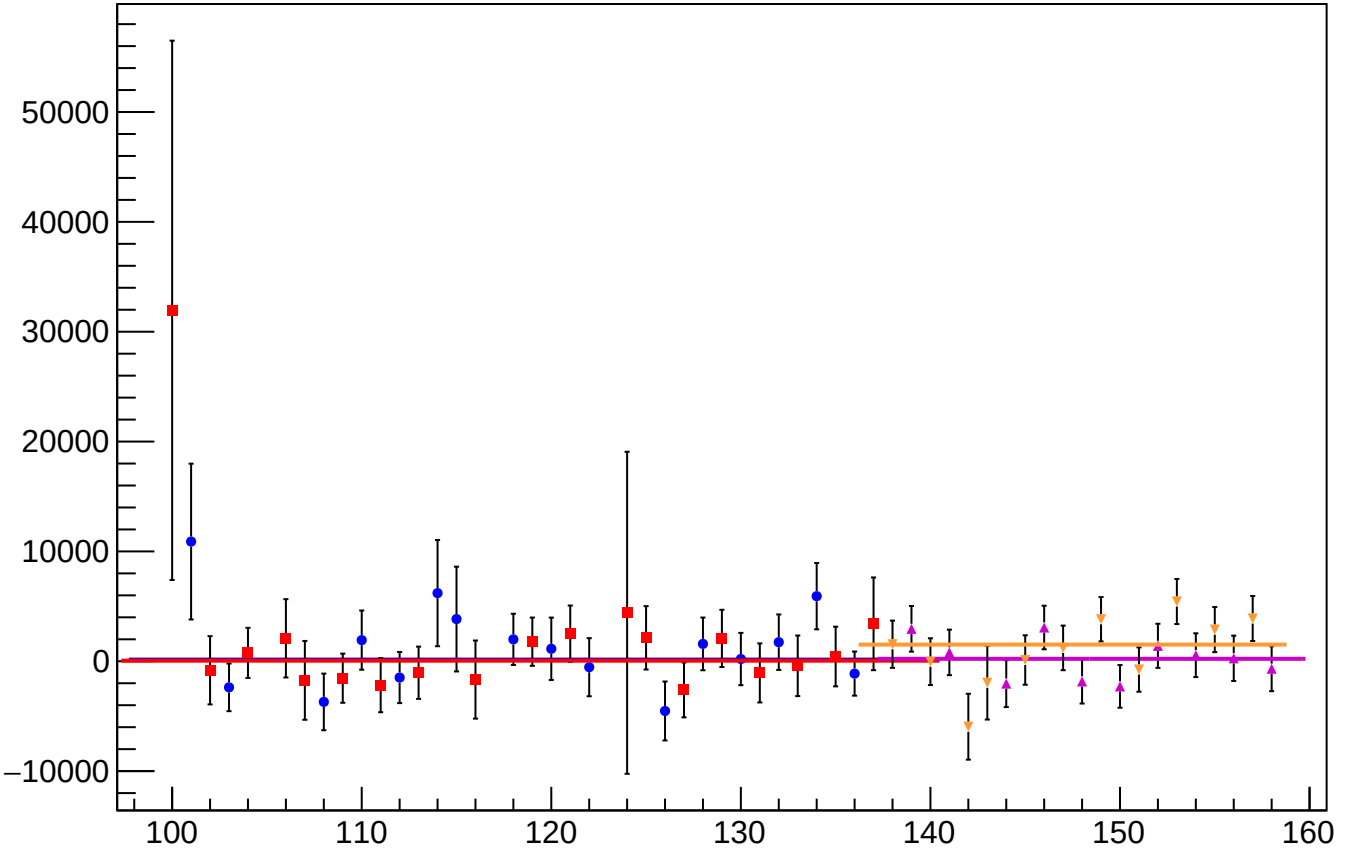
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3371.176+/-0.617 χ^2/NDF:1886586.6/25

Out: 652.565+/-0.211 χ^2/NDF:22282034.8/29

All: 938.249+/-0.200 χ^2/NDF: 41545864.5/55

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1518.148+/-662.080 χ^2/NDF:16.3/10

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 221.993+/-642.364 χ^2/NDF:8.3/9

Left: 850.485+/-461.033 χ^2/NDF: 26.5/20

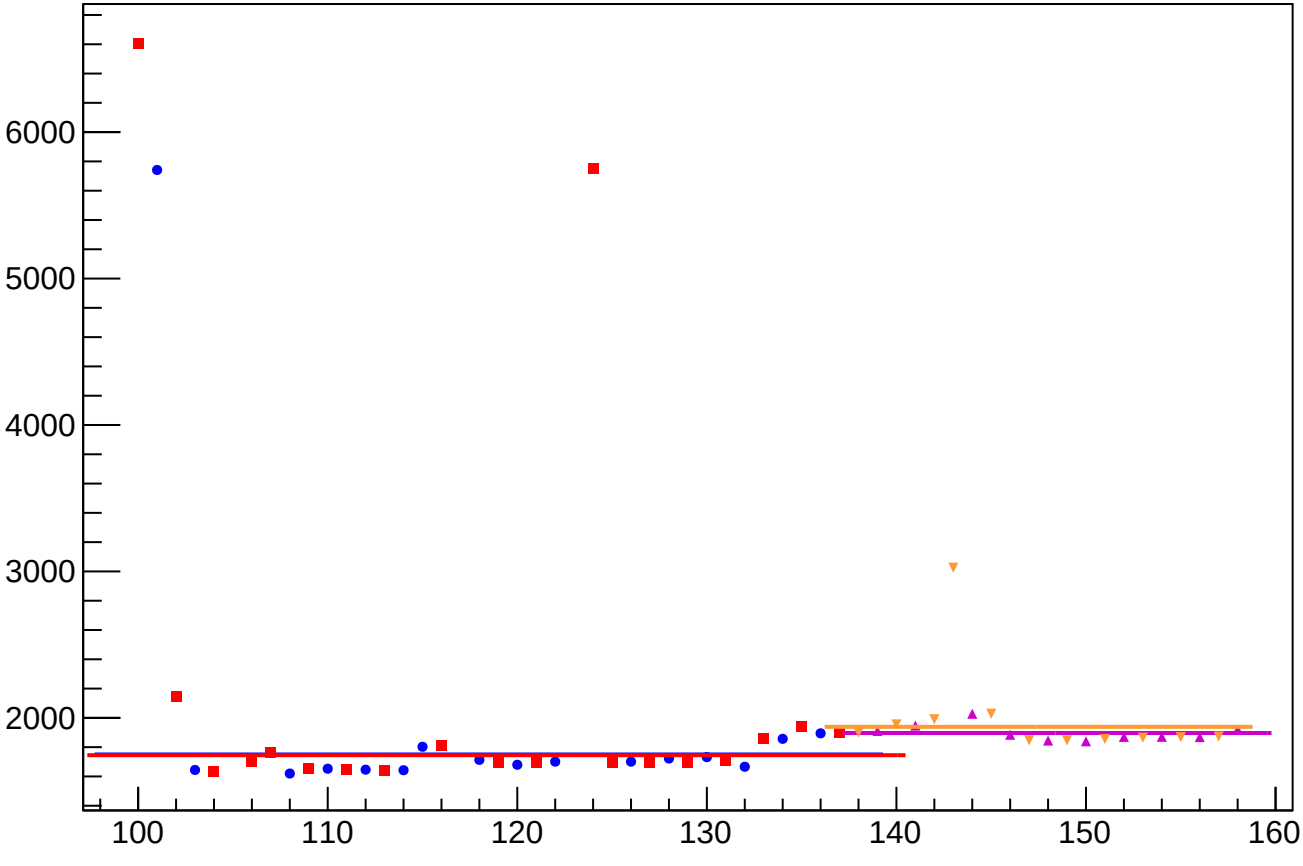
Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 187.474+/-462.694 χ^2/NDF:25.9/25

Out: 778.581+/-465.733 χ^2/NDF:27.7/29

All: 481.093+/-328.243 χ^2/NDF: 54.4/55

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1938.742+/-0.468 χ^2/NDF:233969.6/10

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

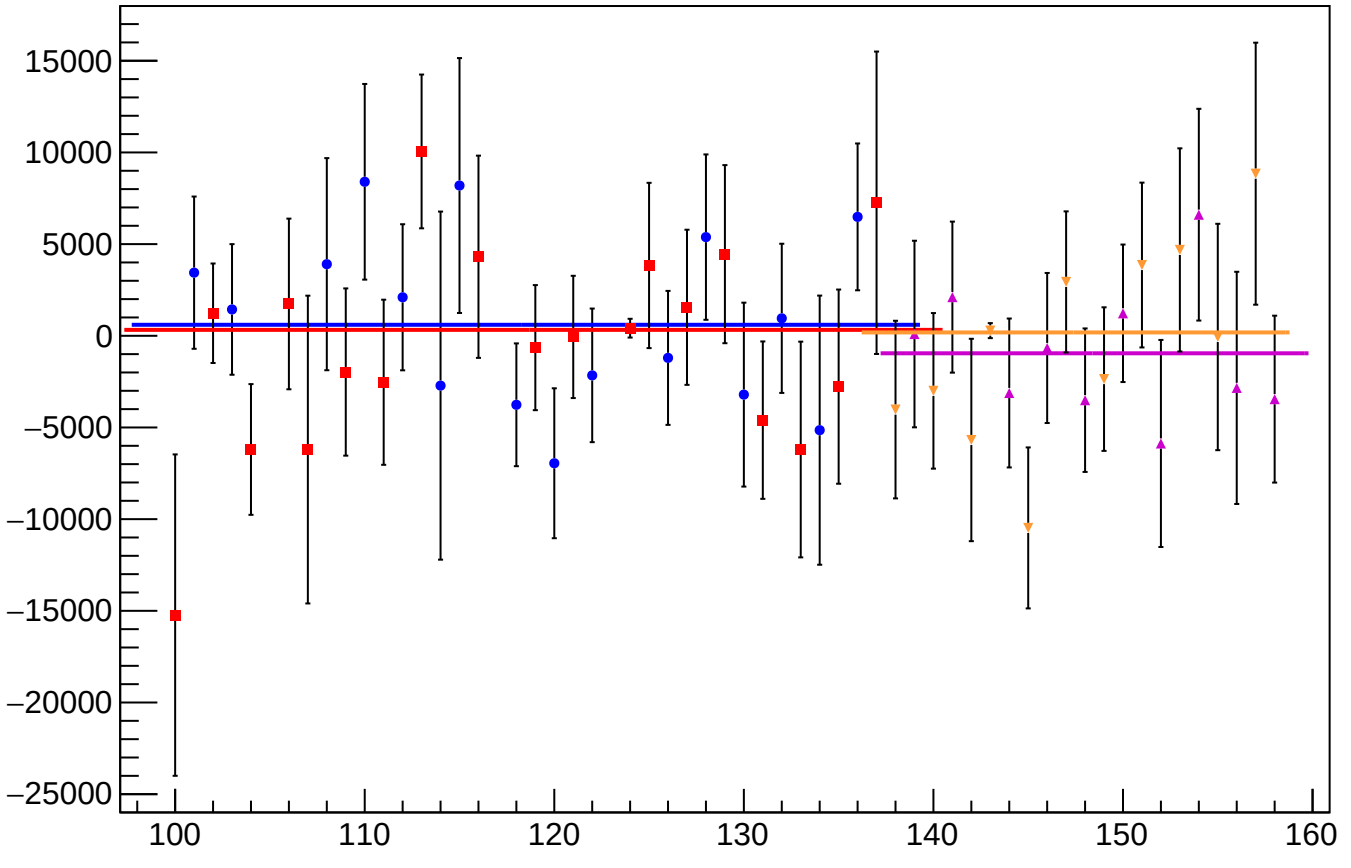
Left: 1917.037+/-0.326 χ^2/NDF: 251413.7/20

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1825.998+/-0.327 χ^2/NDF:733066.4/25

Out: 1840.602+/-0.329 χ^2/NDF:618616.5/29

All: 1833.266+/-0.232 χ^2/NDF: 1352674.6/55



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 183.311+/-394.739 χ^2/NDF:12.1/10

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -954.243+/-1430.125 χ^2/NDF:4.5/9

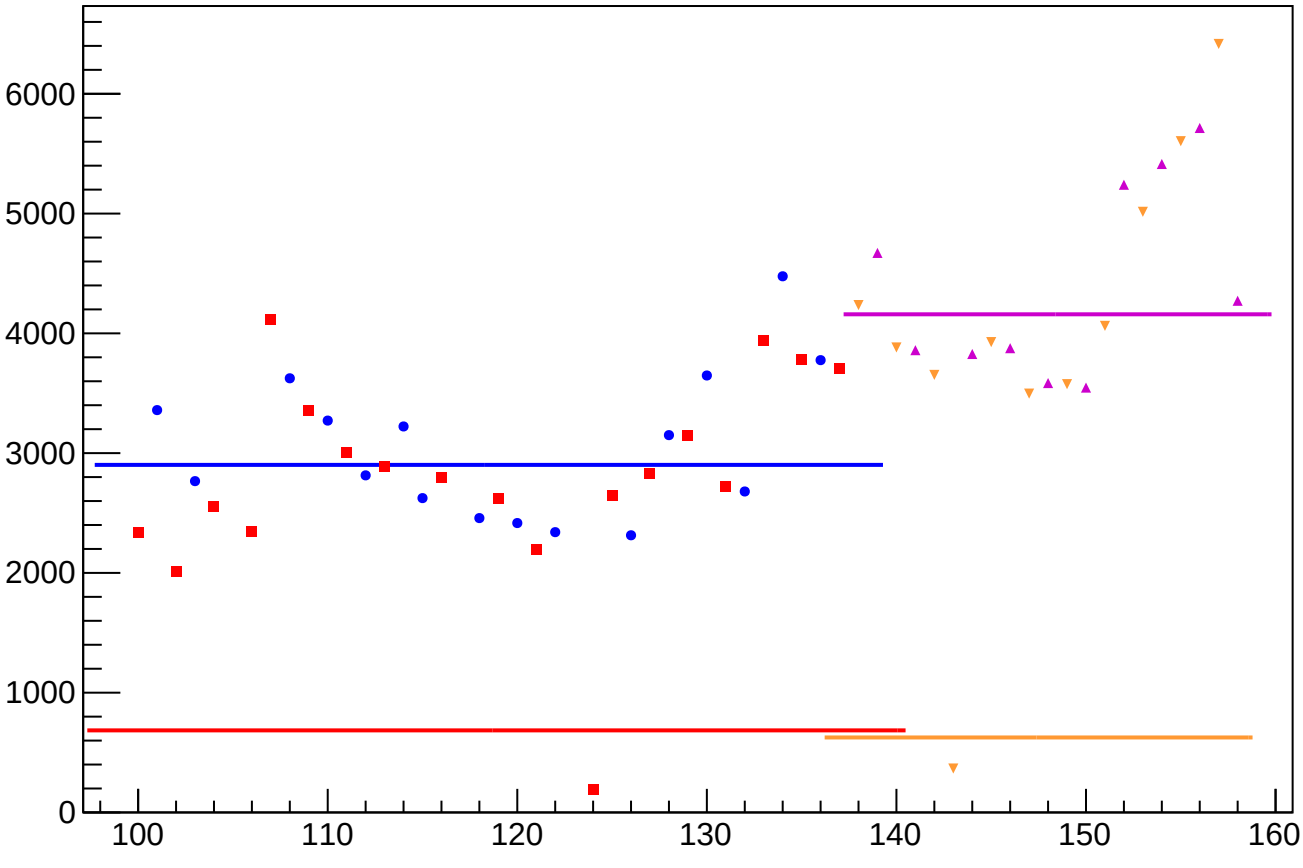
Left: 102.782+/-380.510 χ^2/NDF: 17.2/20

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 22.322+/-871.977 χ^2/NDF:20.1/25

Out: 242.791+/-299.247 χ^2/NDF:31.2/29

All: 219.561+/-283.044 χ^2/NDF: 51.4/55



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 626.086+/-0.279 χ^2/NDF:12111480.6/10

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4159.068+/-1.011 χ^2/NDF:439875.2/9

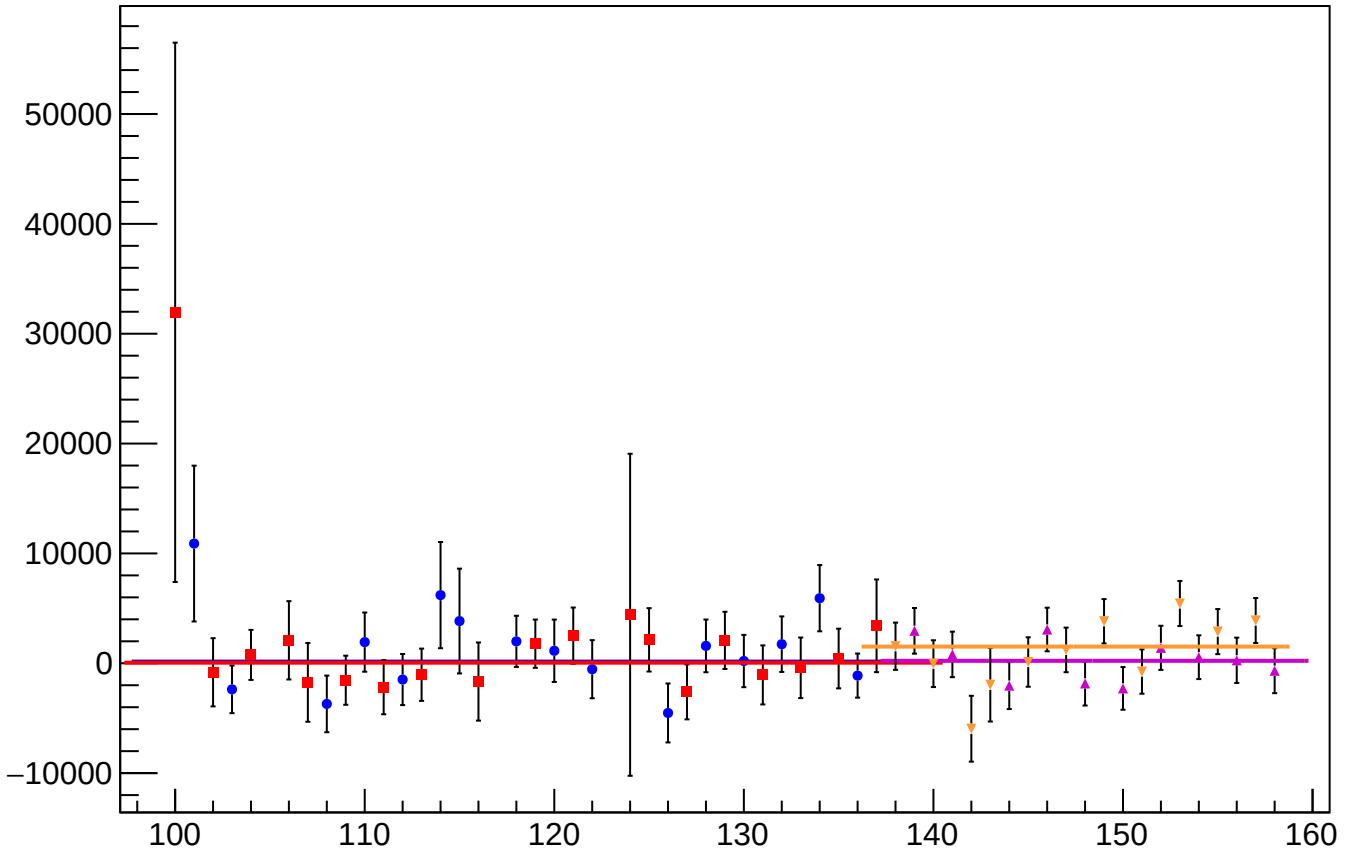
Left: 876.193+/-0.269 χ^2/NDF: 23893041.5/20

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3369.240+/-0.617 χ^2/NDF:1891813.4/25

Out: 651.251+/-0.212 χ^2/NDF:22236390.9/29

All: 937.632+/-0.200 χ^2/NDF: 41512650.2/55



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1518.148+/-662.080 χ^2/NDF:16.3/10

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 221.993+/-642.364 χ^2/NDF:8.3/9

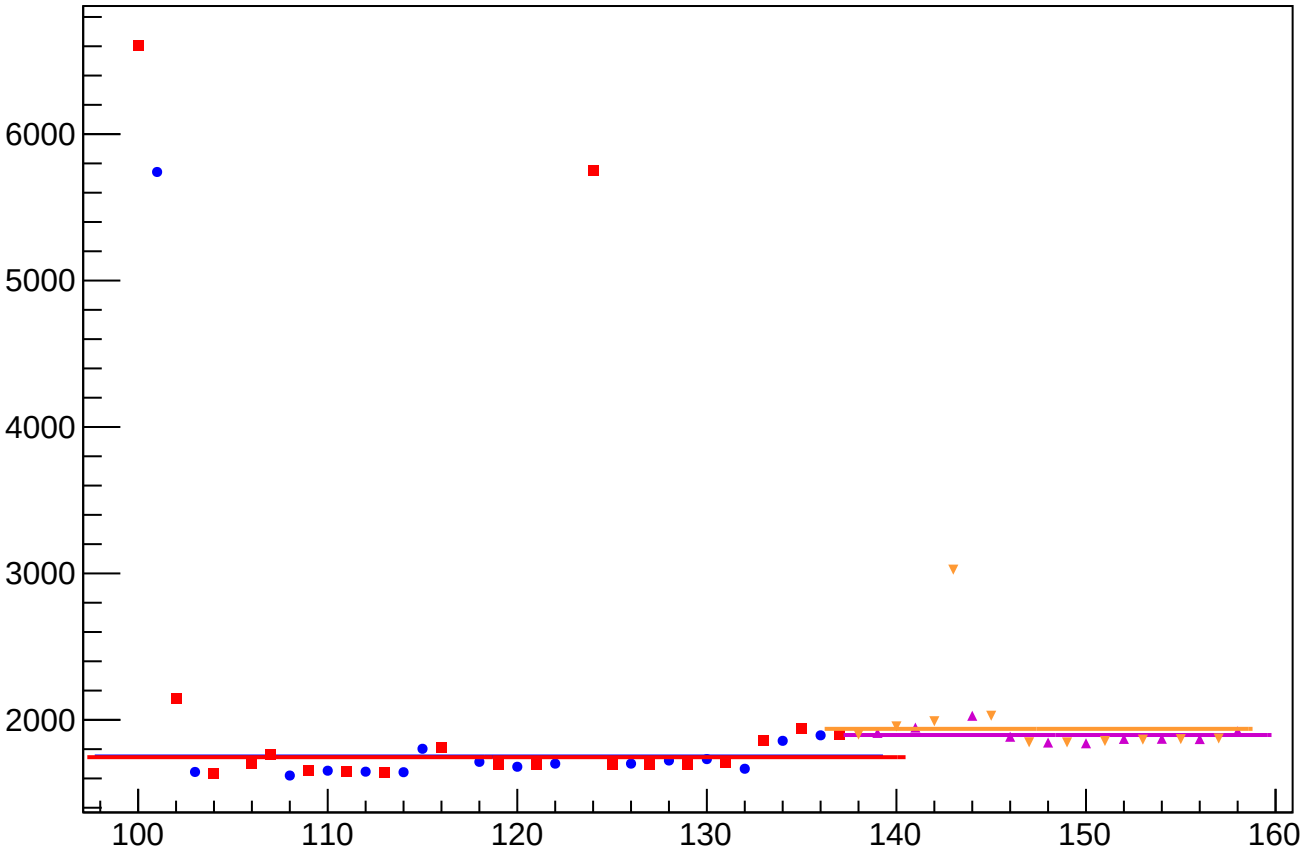
Left: 850.485+/-461.033 χ^2/NDF: 26.5/20

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 187.474+/-462.694 χ^2/NDF:25.9/25

Out: 778.581+/-465.733 χ^2/NDF:27.7/29

All: 481.093+/-328.243 χ^2/NDF: 54.4/55



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1938.742+/-0.468 χ^2/NDF:233969.6/10

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

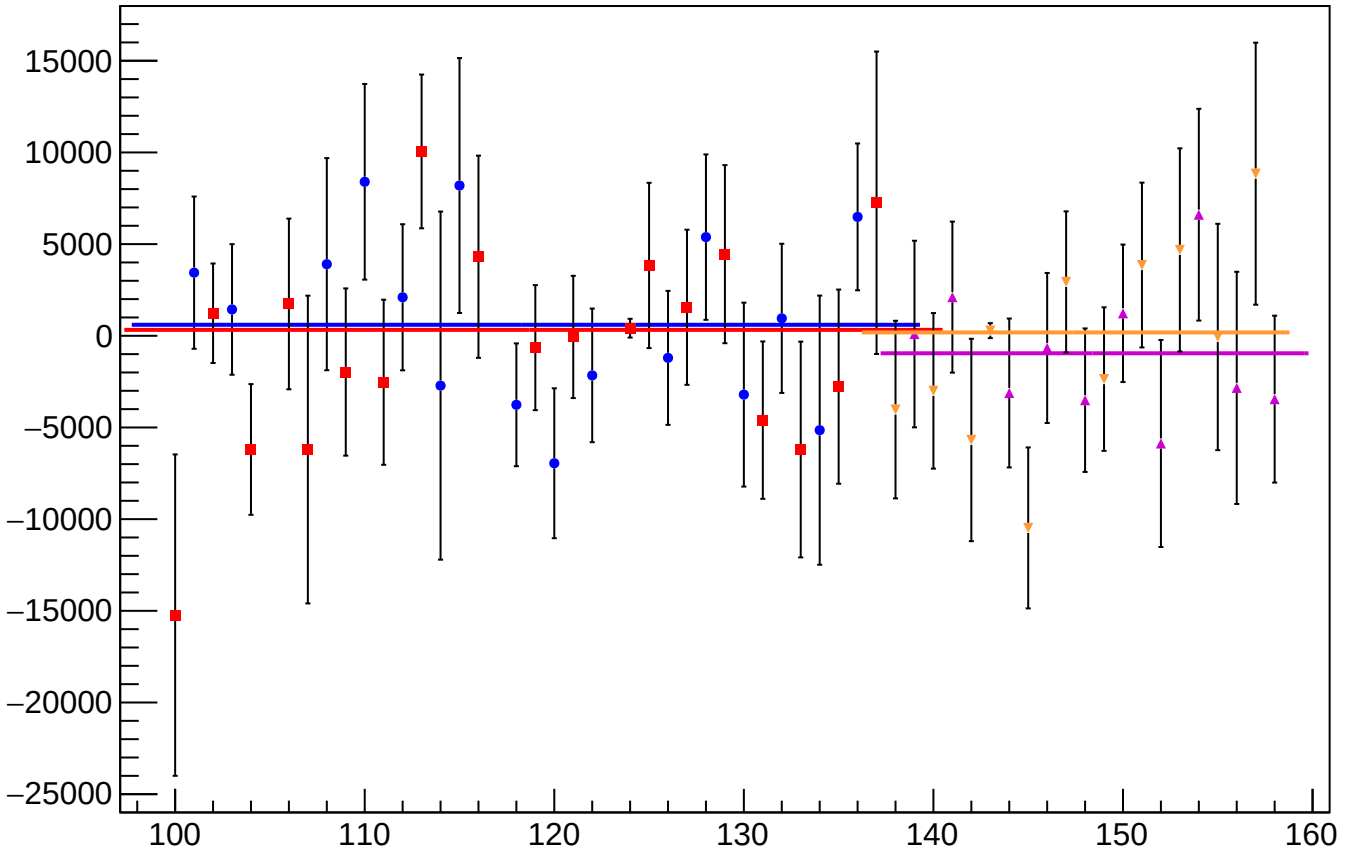
Left: 1917.037+/-0.326 χ^2/NDF: 251413.7/20

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1825.998+/-0.327 χ^2/NDF:733066.4/25

Out: 1840.602+/-0.329 χ^2/NDF:618616.5/29

All: 1833.266+/-0.232 χ^2/NDF: 1352674.6/55



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 183.311+/-394.739 χ^2/NDF:12.1/10

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -954.243+/-1430.125 χ^2/NDF:4.5/9

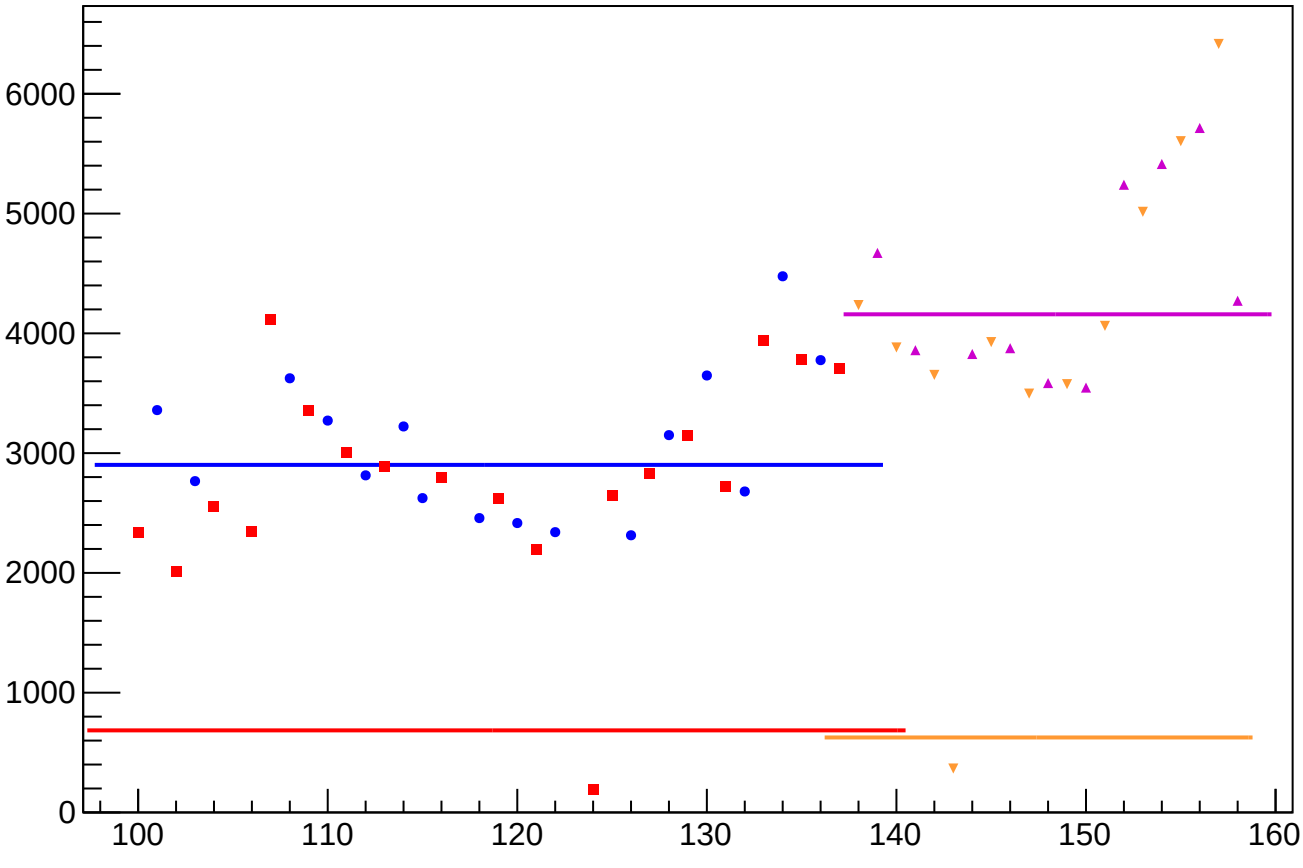
Left: 102.782+/-380.510 χ^2/NDF: 17.2/20

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 22.322+/-871.977 χ^2/NDF:20.1/25

Out: 242.791+/-299.247 χ^2/NDF:31.2/29

All: 219.561+/-283.044 χ^2/NDF: 51.4/55



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 626.086+/-0.279 χ^2/NDF:12111480.6/10

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4159.068+/-1.011 χ^2/NDF:439875.2/9

Left: 876.193+/-0.269 χ^2/NDF: 23893041.5/20

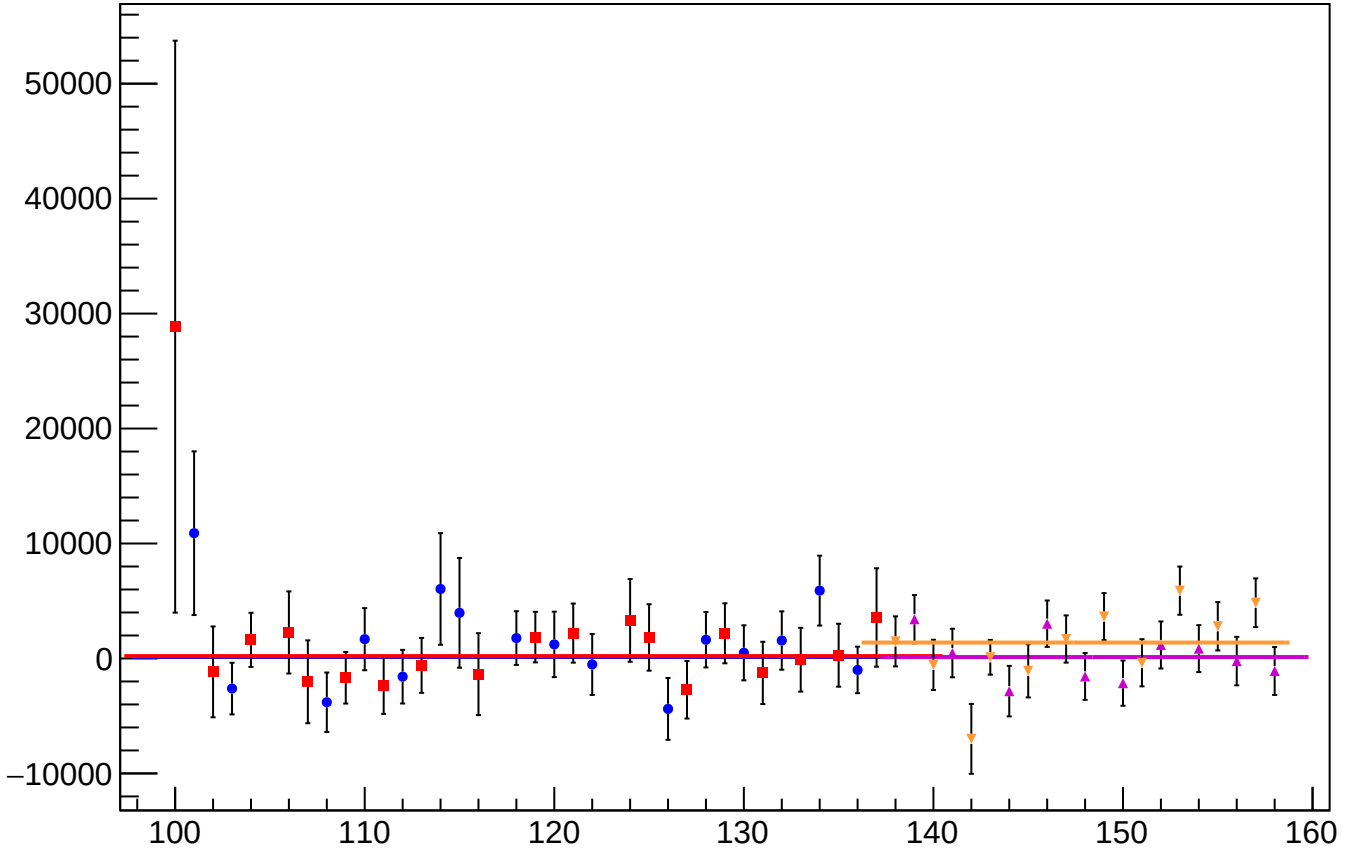
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3369.240+/-0.617 χ^2/NDF:1891813.4/25

Out: 651.251+/-0.212 χ^2/NDF:22236390.9/29

All: 937.632+/-0.200 χ^2/NDF: 41512650.2/55

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1385.112+/-626.664 χ^2/NDF:20.0/10

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 122.455+/-654.048 χ^2/NDF:9.1/9

Left: 780.769+/-452.490 χ^2/NDF: 31.1/20

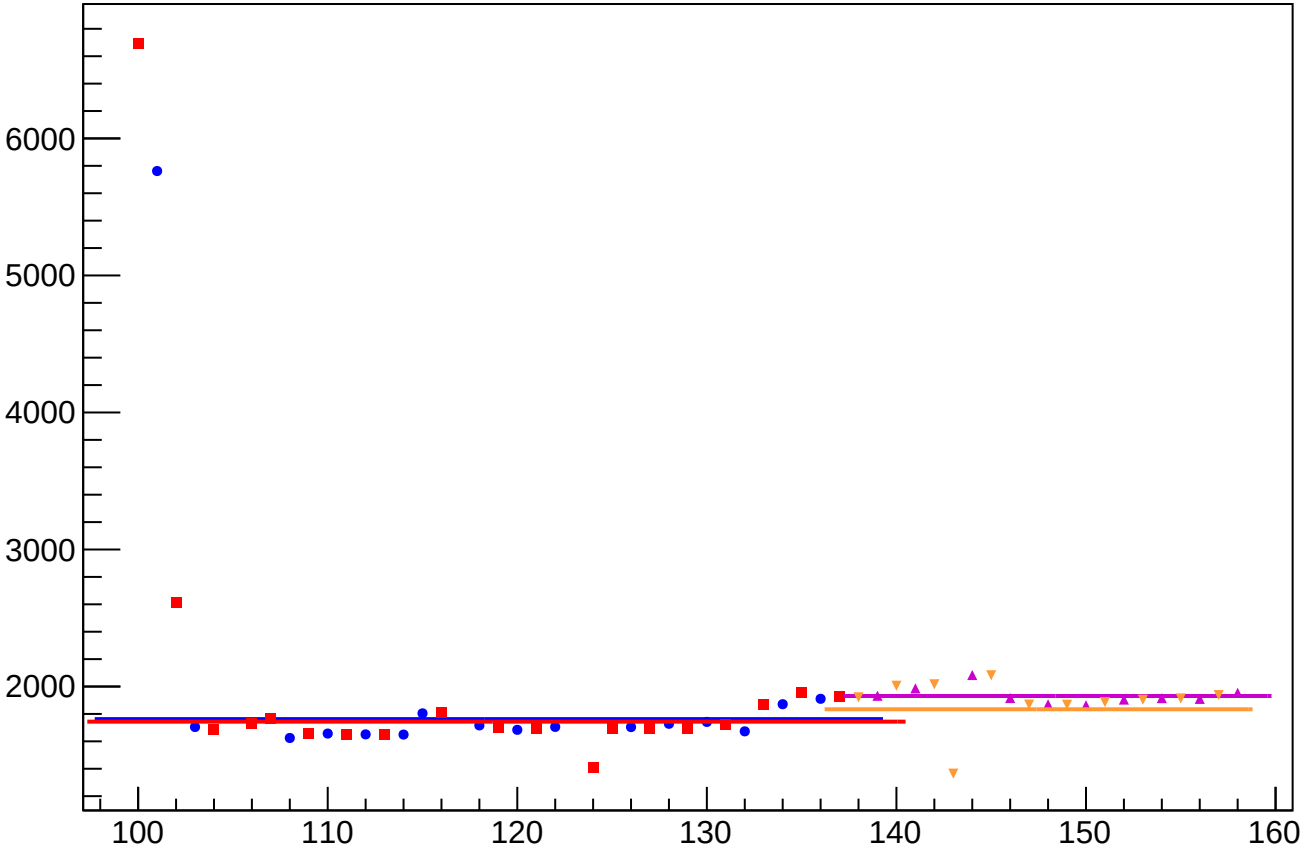
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 127.995+/-468.571 χ^2/NDF:26.4/25

Out: 820.837+/-452.621 χ^2/NDF:31.4/29

All: 486.409+/-325.544 χ^2/NDF: 58.9/55

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1833.901+/-0.443 χ^2/NDF:251573.6/10

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1930.867+/-0.462 χ^2/NDF:16263.1/9

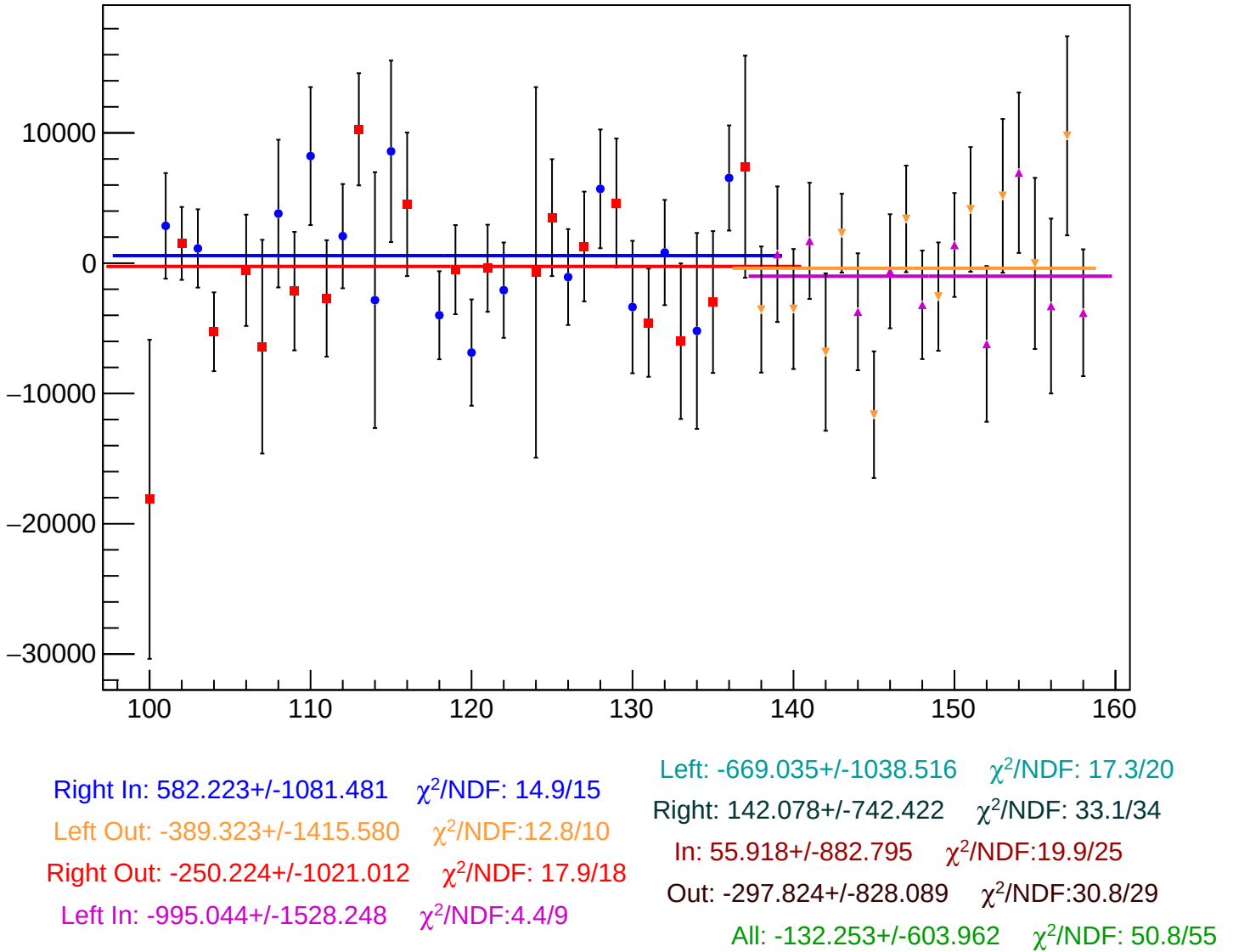
Left: 1880.312+/-0.320 χ^2/NDF: 290755.8/20

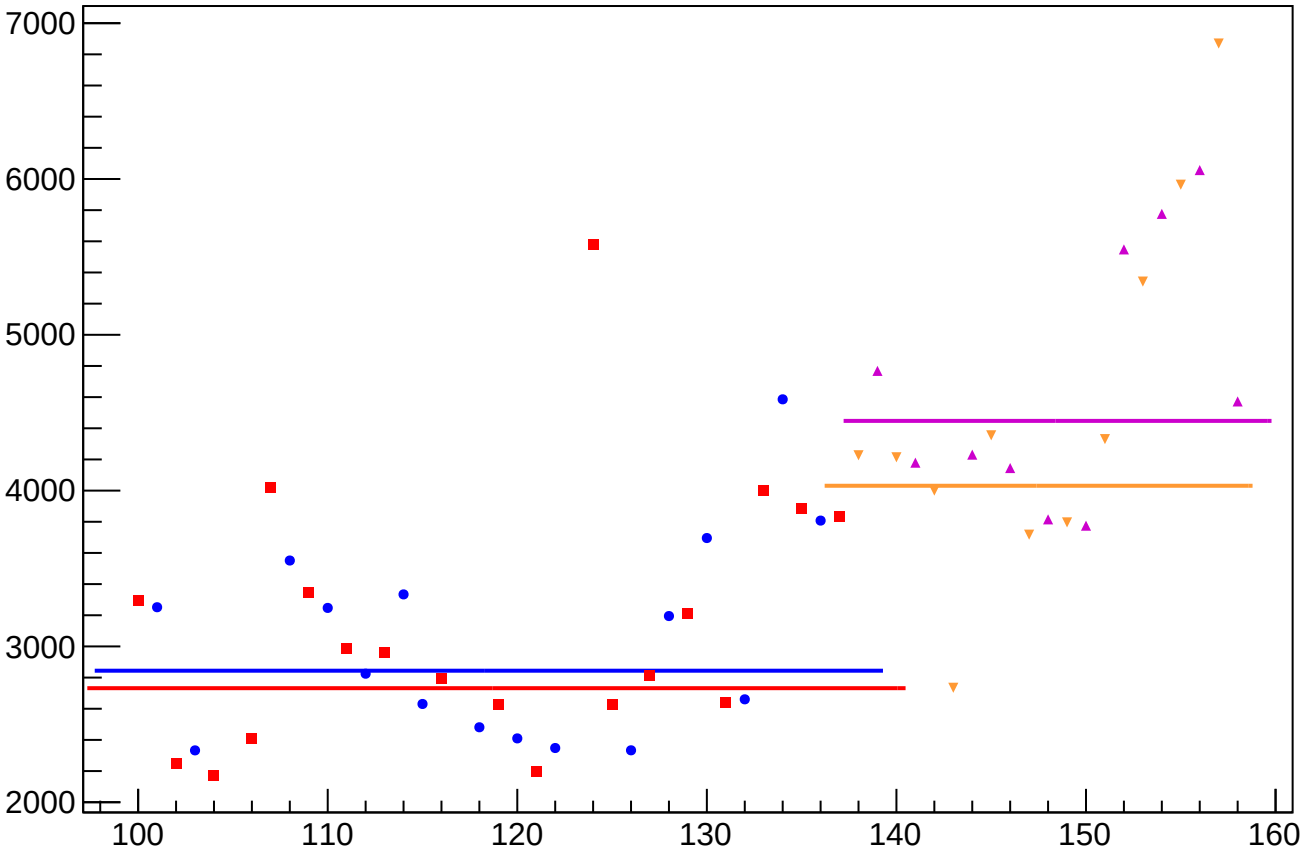
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1848.697+/-0.331 χ^2/NDF:748814.0/25

Out: 1790.637+/-0.320 χ^2/NDF:499205.4/29

All: 1818.622+/-0.230 χ^2/NDF: 1263925.4/55


asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 582.223+/-1081.481 χ²/NDF: 14.9/15
Left Out: -389.323+/-1415.580 χ²/NDF:12.8/10
Right Out: -250.224+/-1021.012 χ²/NDF: 17.9/18
Left In: -995.044+/-1528.248 χ²/NDF:4.4/9
Left: -669.035+/-1038.516 χ²/NDF: 17.3/20
Right: 142.078+/-742.422 χ²/NDF: 33.1/34
In: 55.918+/-882.795 χ²/NDF:19.9/25
Out: -297.824+/-828.089 χ²/NDF:30.8/29
All: -132.253+/-603.962 χ²/NDF: 50.8/55



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4031.153+/-1.001 χ^2/NDF:955903.9/10

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4447.479+/-1.081 χ^2/NDF:409134.8/9

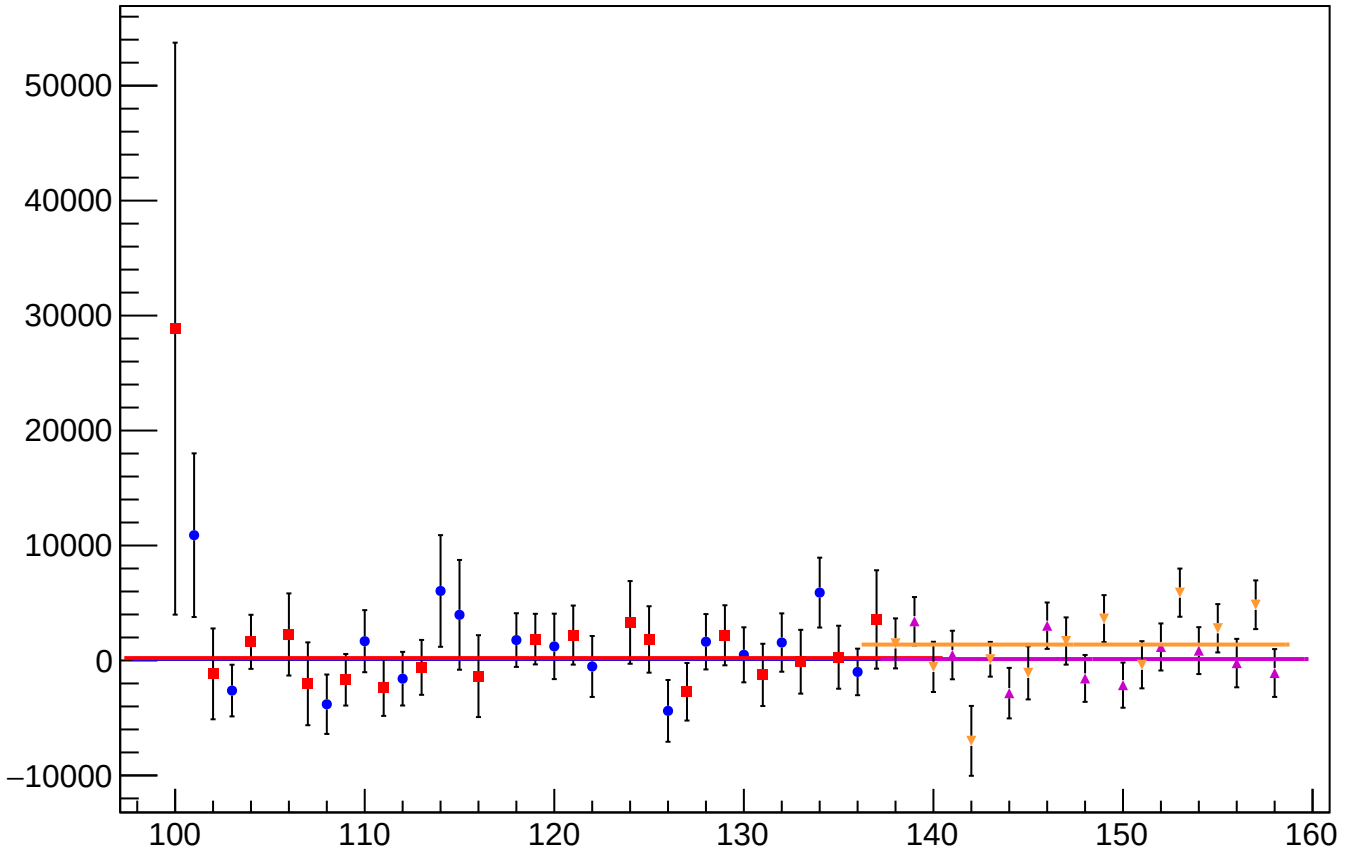
Left: 4223.406+/-0.734 χ^2/NDF: 1444923.8/20

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3379.153+/-0.624 χ^2/NDF:2417958.2/25

Out: 3176.560+/-0.586 χ^2/NDF:2675302.9/29

All: 3271.385+/-0.427 χ^2/NDF: 5149291.4/55



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1385.107+/-626.664 χ^2/NDF:20.0/10

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 122.450+/-654.049 χ^2/NDF:9.1/9

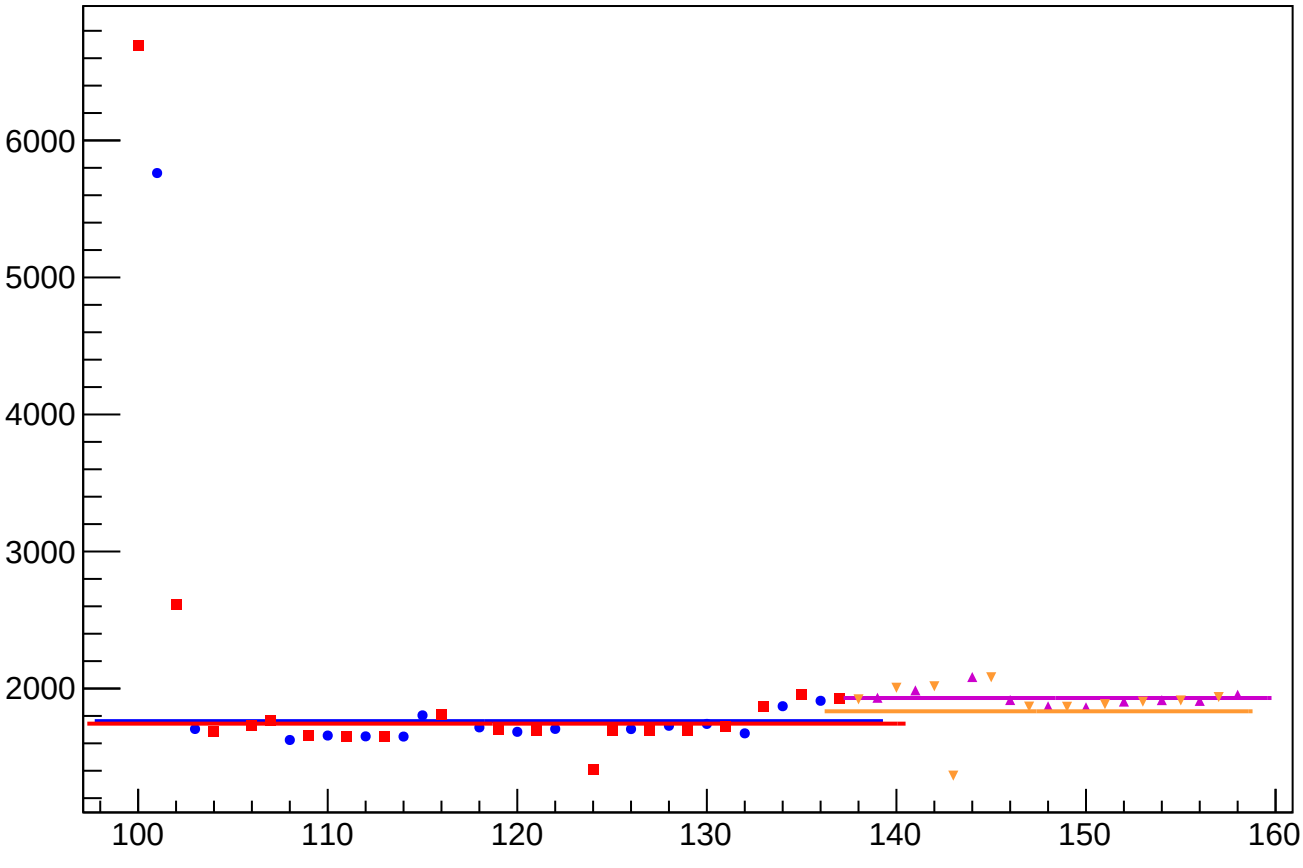
Left: 780.765+/-452.490 χ^2/NDF: 31.1/20

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 127.993+/-468.571 χ^2/NDF:26.4/25

Out: 820.834+/-452.621 χ^2/NDF:31.4/29

All: 486.406+/-325.544 χ^2/NDF: 58.9/55



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1833.902+/-0.443 χ^2/NDF:251574.8/10

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1930.868+/-0.462 χ^2/NDF:16263.3/9

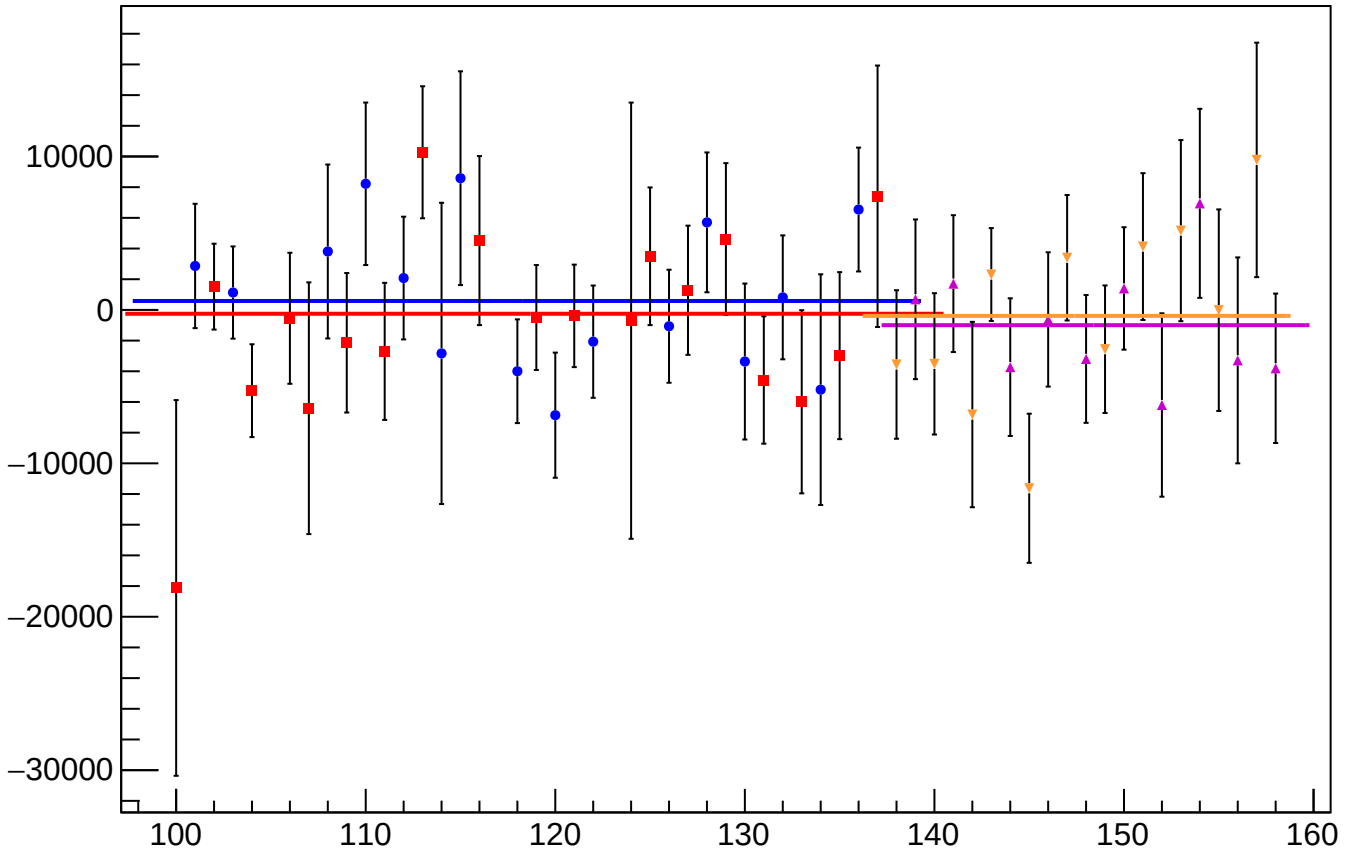
Left: 1880.313+/-0.320 χ^2/NDF: 290757.2/20

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1848.697+/-0.331 χ^2/NDF:748814.9/25

Out: 1790.638+/-0.320 χ^2/NDF:499207.0/29

All: 1818.622+/-0.230 χ^2/NDF: 1263928.0/55



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -389.321+/-1415.582 χ^2/NDF:12.8/10

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -995.047+/-1528.250 χ^2/NDF:4.4/9

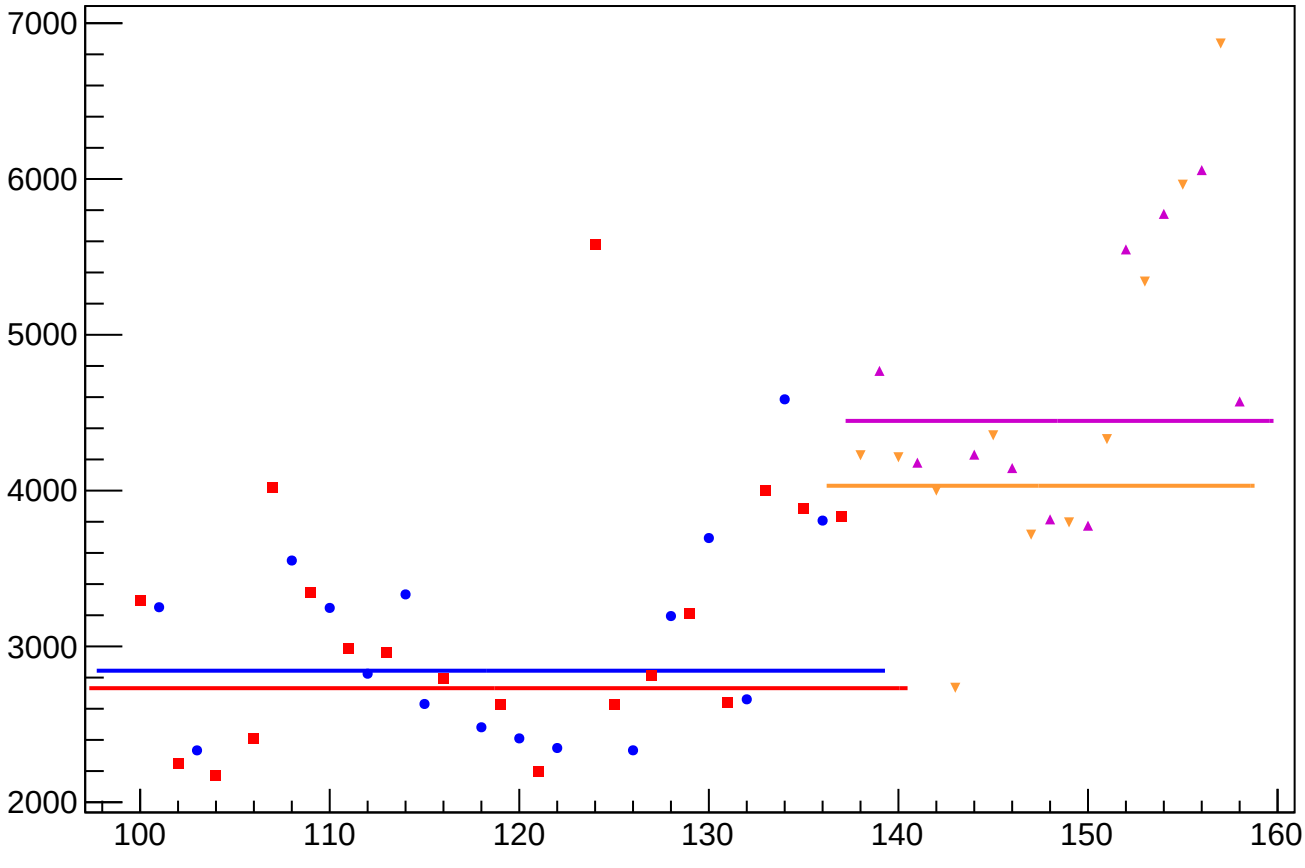
Left: -669.035+/-1038.517 χ^2/NDF: 17.3/20

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 55.917+/-882.794 χ^2/NDF:19.9/25

Out: -297.824+/-828.088 χ^2/NDF:30.8/29

All: -132.253+/-603.961 χ^2/NDF: 50.8/55



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4031.157+/-1.001 χ^2/NDF:955909.0/10

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4447.485+/-1.081 χ^2/NDF:409137.4/9

Left: 4223.411+/-0.734 χ^2/NDF: 1444932.0/20

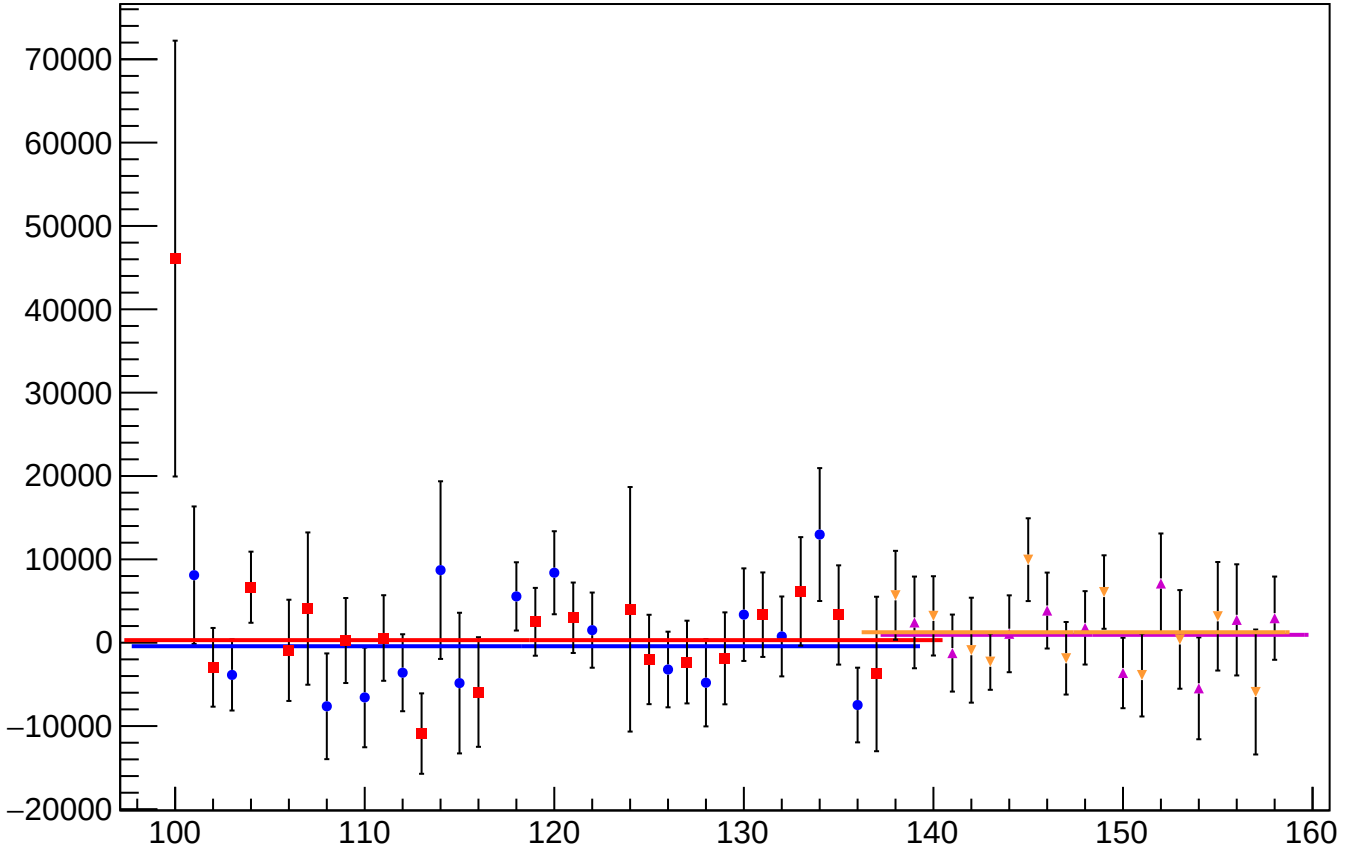
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3379.147+/-0.624 χ^2/NDF:2417989.1/25

Out: 3176.556+/-0.586 χ^2/NDF:2675321.8/29

All: 3271.380+/-0.427 χ^2/NDF: 5149340.4/55

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1255.311+/-1494.823 χ^2/NDF:8.9/10

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 943.694+/-1581.585 χ^2/NDF:4.3/9

Left: 1108.284+/-1086.378 χ^2/NDF: 13.3/20

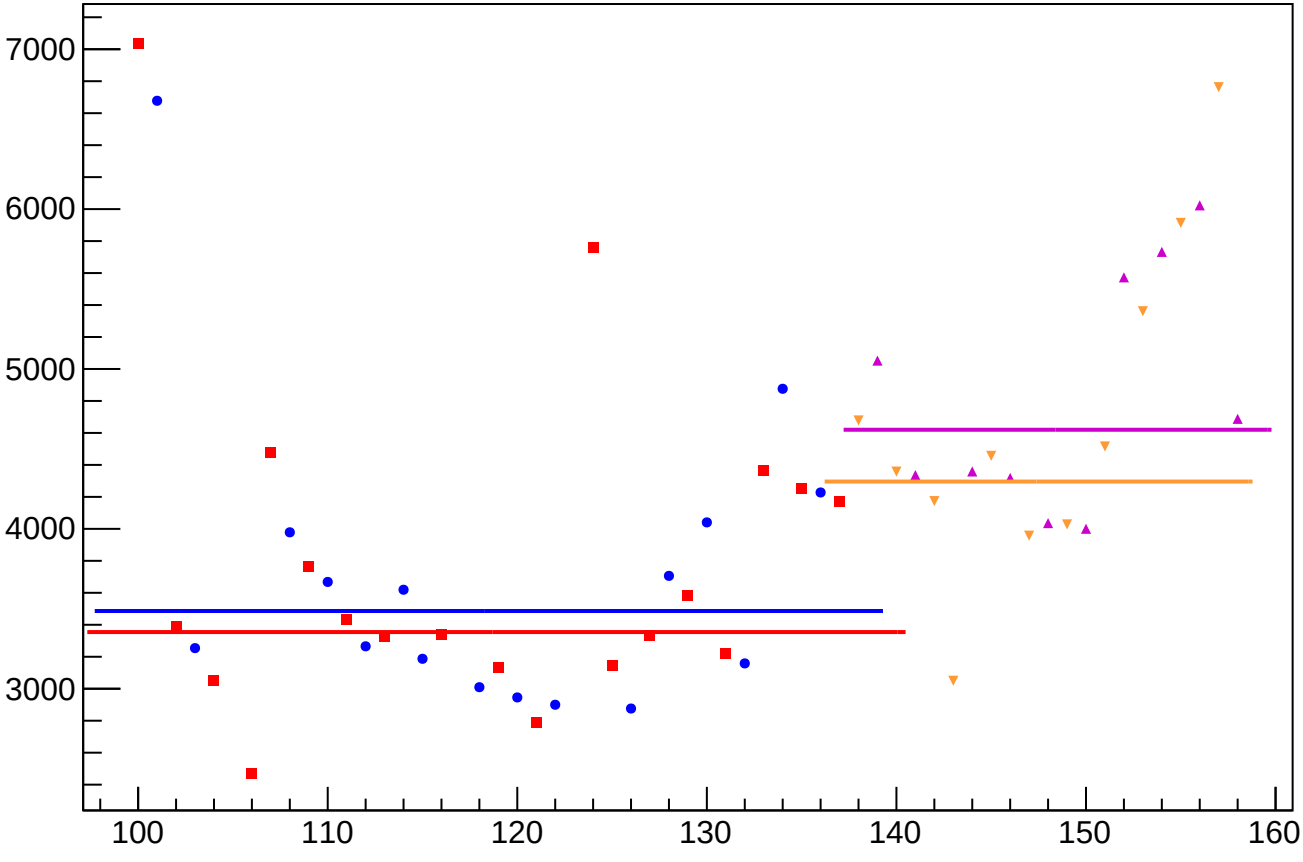
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 141.683+/-1016.691 χ^2/NDF:22.6/25

Out: 707.102+/-970.378 χ^2/NDF:24.4/29

All: 437.564+/-701.963 χ^2/NDF: 47.3/55

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4295.845+/-1.057 χ^2/NDF:714248.3/10

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4619.924+/-1.118 χ^2/NDF:318873.1/9

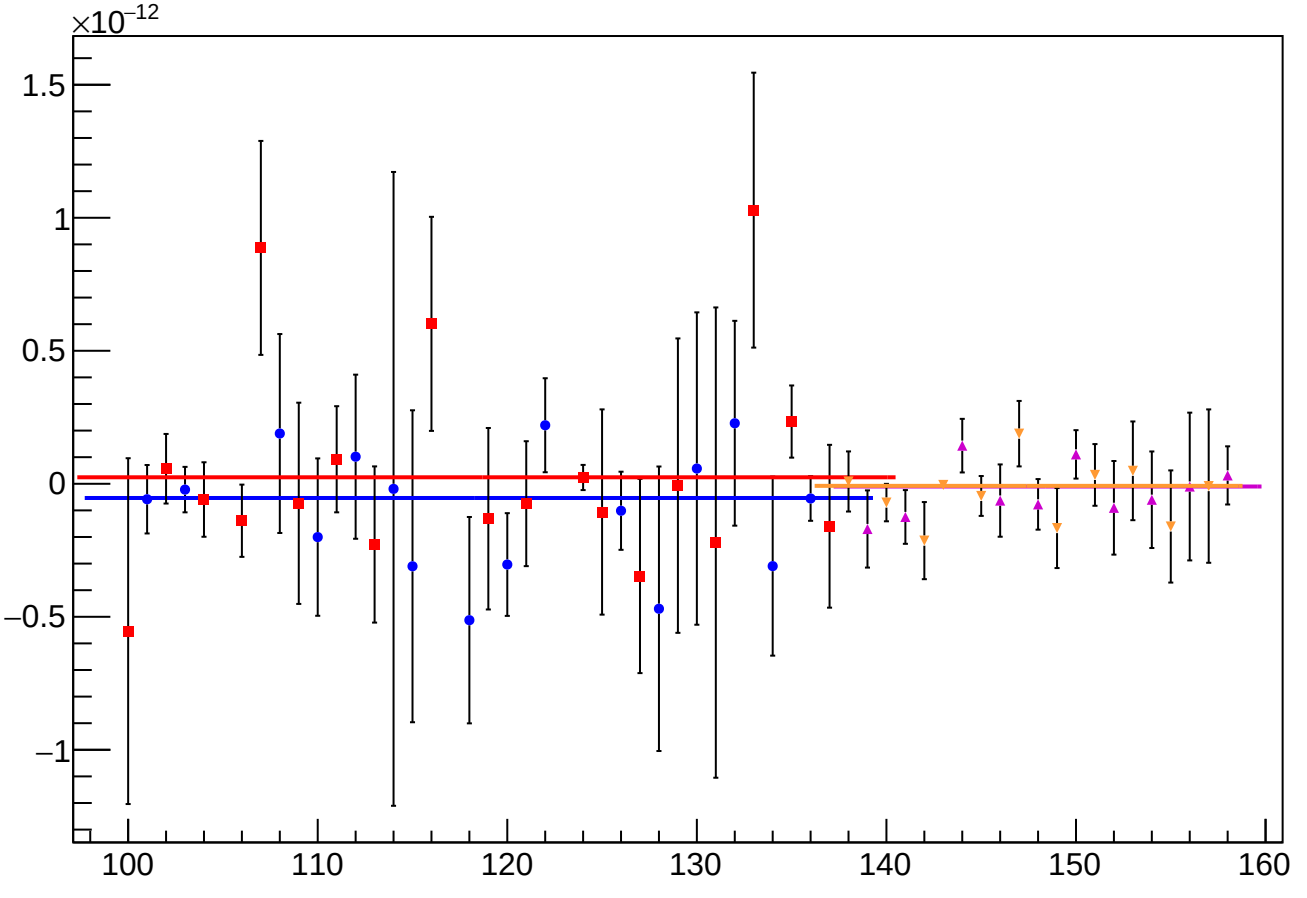
Left: 4448.752+/-0.768 χ^2/NDF: 1077475.0/20

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3954.669+/-0.719 χ^2/NDF:1517713.4/25

Out: 3744.717+/-0.681 χ^2/NDF:1555067.7/29

All: 3843.947+/-0.494 χ^2/NDF: 3117760.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/9

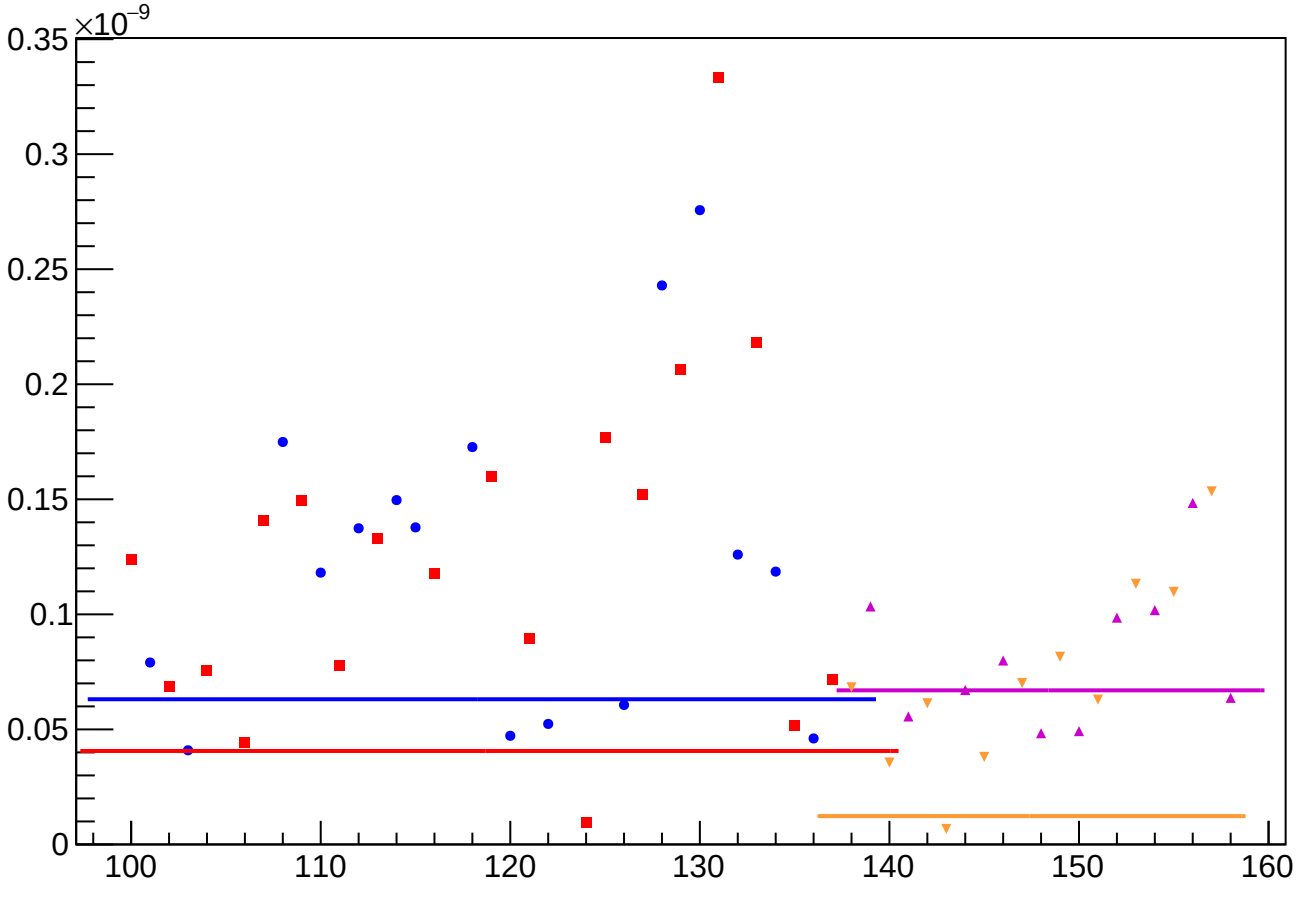
Left: -0.000+/-0.000 χ^2/NDF: 15.2/20

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:16.8/25

Out: -0.000+/-0.000 χ^2/NDF:26.7/29

All: -0.000+/-0.000 χ^2/NDF: 44.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4293283.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:634287.2/9

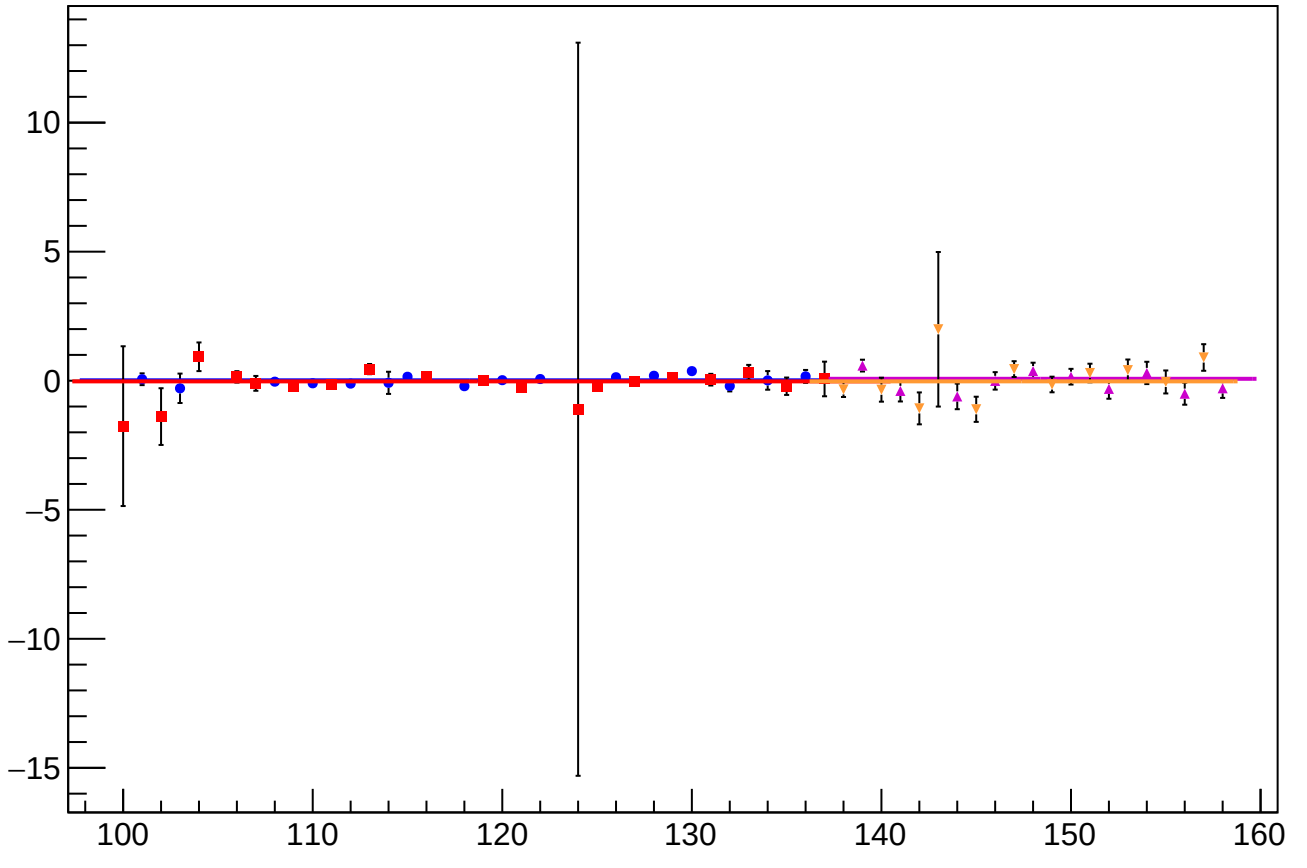
Left: 0.000+/-0.000 χ^2/NDF: 8661190.6/20

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2075040.2/25

Out: 0.000+/-0.000 χ^2/NDF:8590062.7/29

All: 0.000+/-0.000 χ^2/NDF: 15835371.3/55



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.074+/-0.110 χ^2/NDF:13.3/9

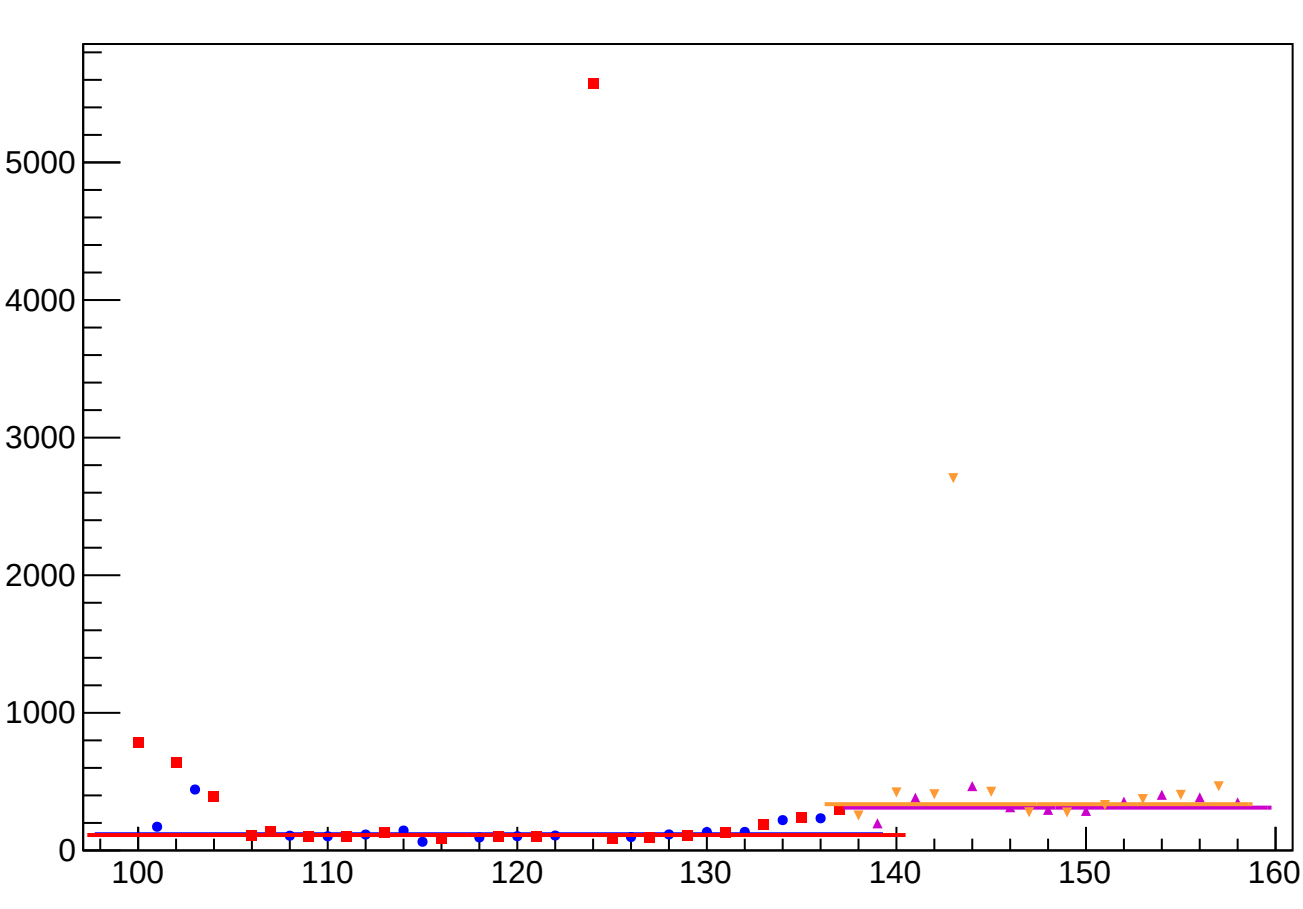
Left: 0.030+/-0.082 χ^2/NDF: 31.2/20

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.025+/-0.044 χ^2/NDF:25.3/25

Out: -0.026+/-0.044 χ^2/NDF:39.6/29

All: -0.001+/-0.031 χ^2/NDF: 65.6/55



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 336.208+/-0.086 χ^2/NDF:1913185.9/10

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 311.125+/-0.078 χ^2/NDF:975201.5/9

Left: 322.331+/-0.058 χ^2/NDF: 2935052.4/20

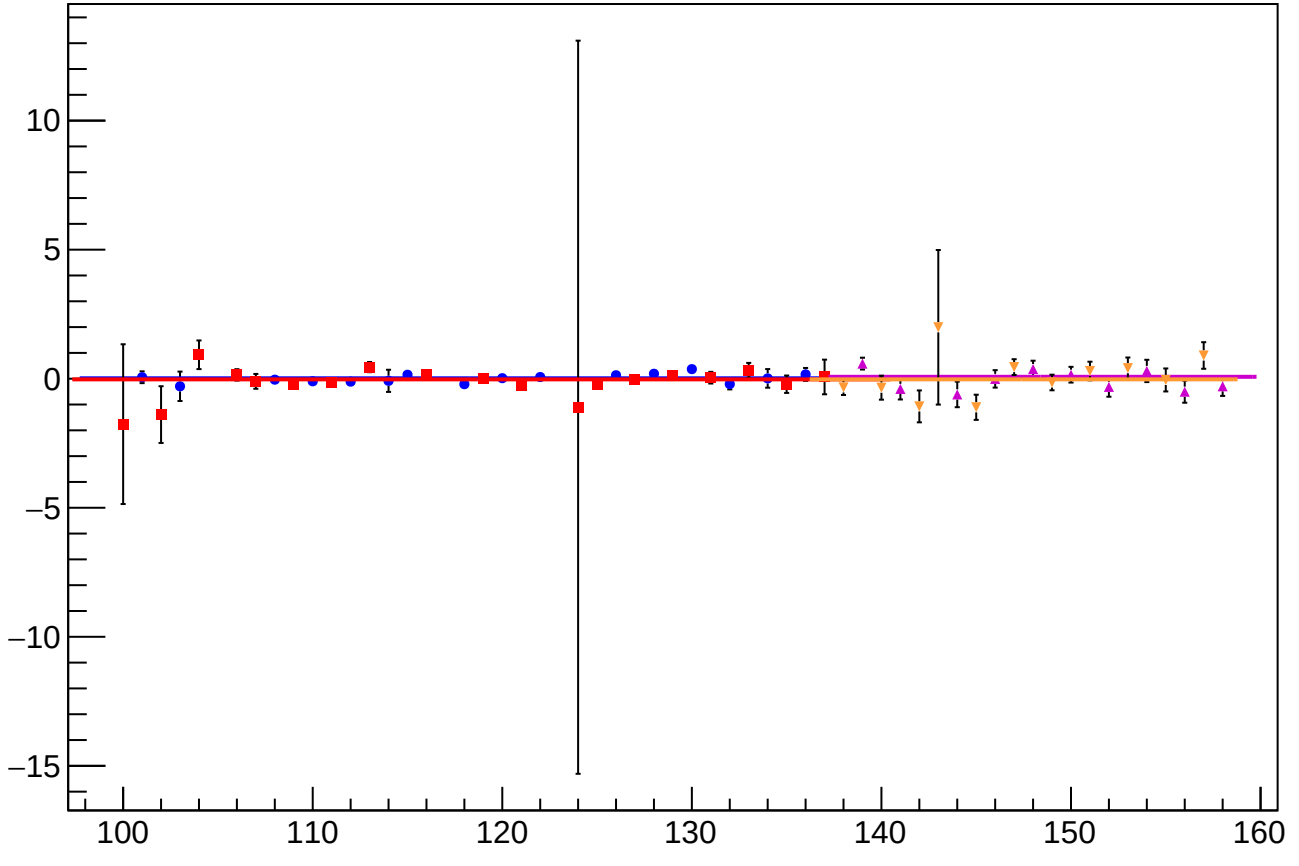
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 148.598+/-0.031 χ^2/NDF:7918583.2/25

Out: 140.857+/-0.031 χ^2/NDF:9968272.6/29

All: 144.714+/-0.022 χ^2/NDF: 17918068.8/55

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.074+/-0.110 χ^2/NDF:13.3/9

Left: 0.030+/-0.082 χ^2/NDF: 31.2/20

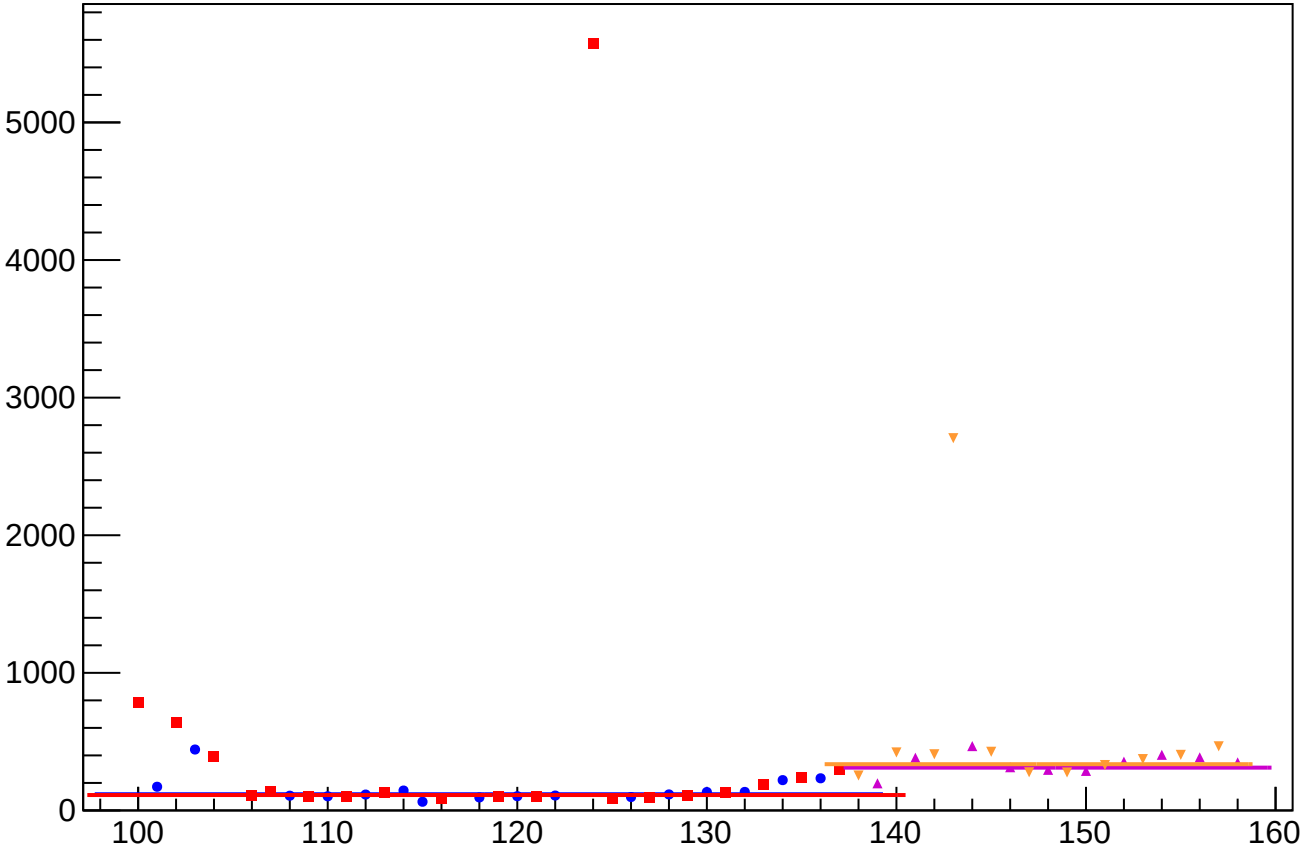
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.025+/-0.044 χ^2/NDF:25.3/25

Out: -0.026+/-0.044 χ^2/NDF:39.6/29

All: -0.001+/-0.031 χ^2/NDF: 65.6/55

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: 336.208+/-0.086 χ^2/NDF:1913185.9/10

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 311.125+/-0.078 χ^2/NDF:975201.5/9

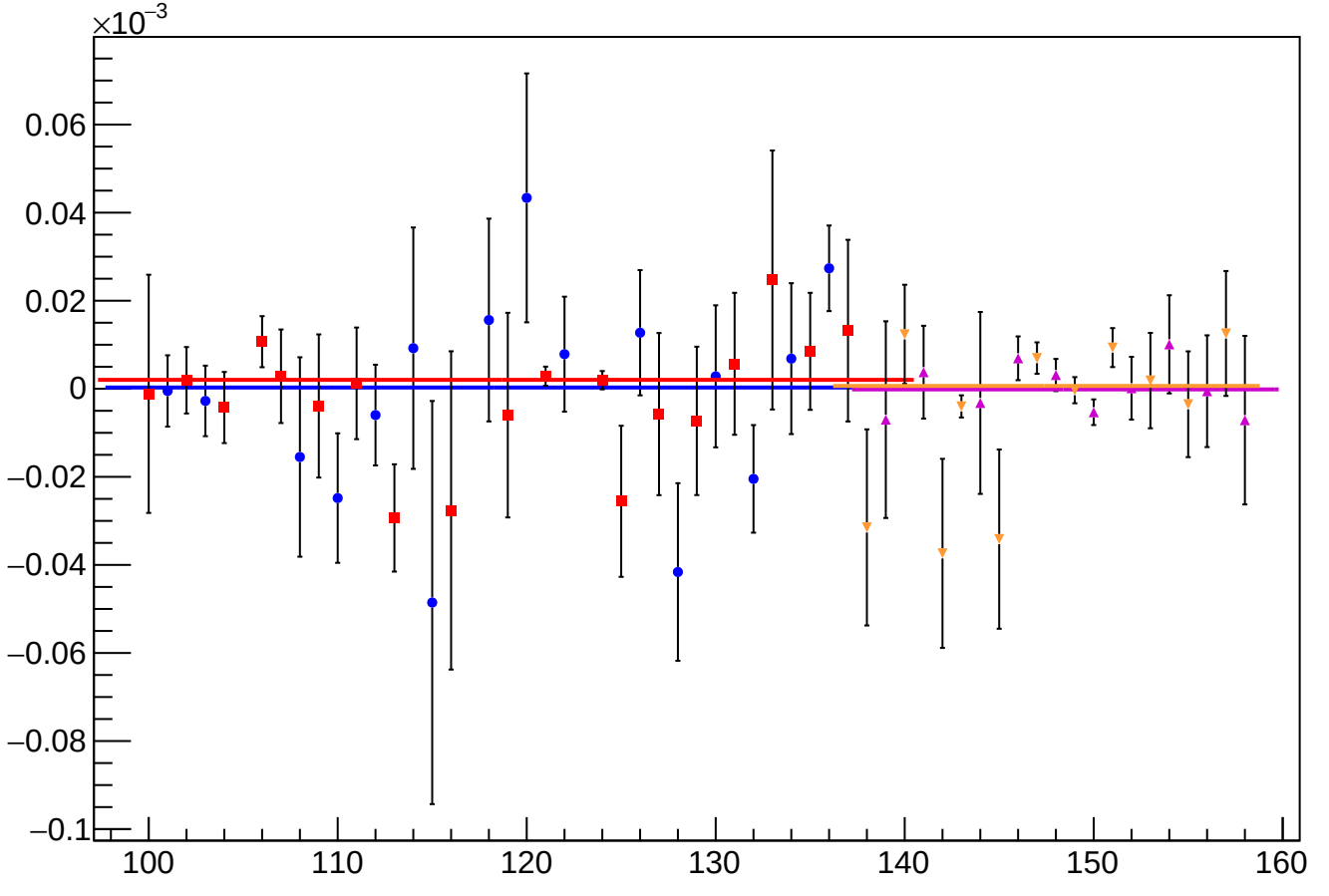
Left: 322.331+/-0.058 χ^2/NDF: 2935052.4/20

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 148.598+/-0.031 χ^2/NDF:7918583.2/25

Out: 140.857+/-0.031 χ^2/NDF:9968272.6/29

All: 144.714+/-0.022 χ^2/NDF: 17918068.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/9

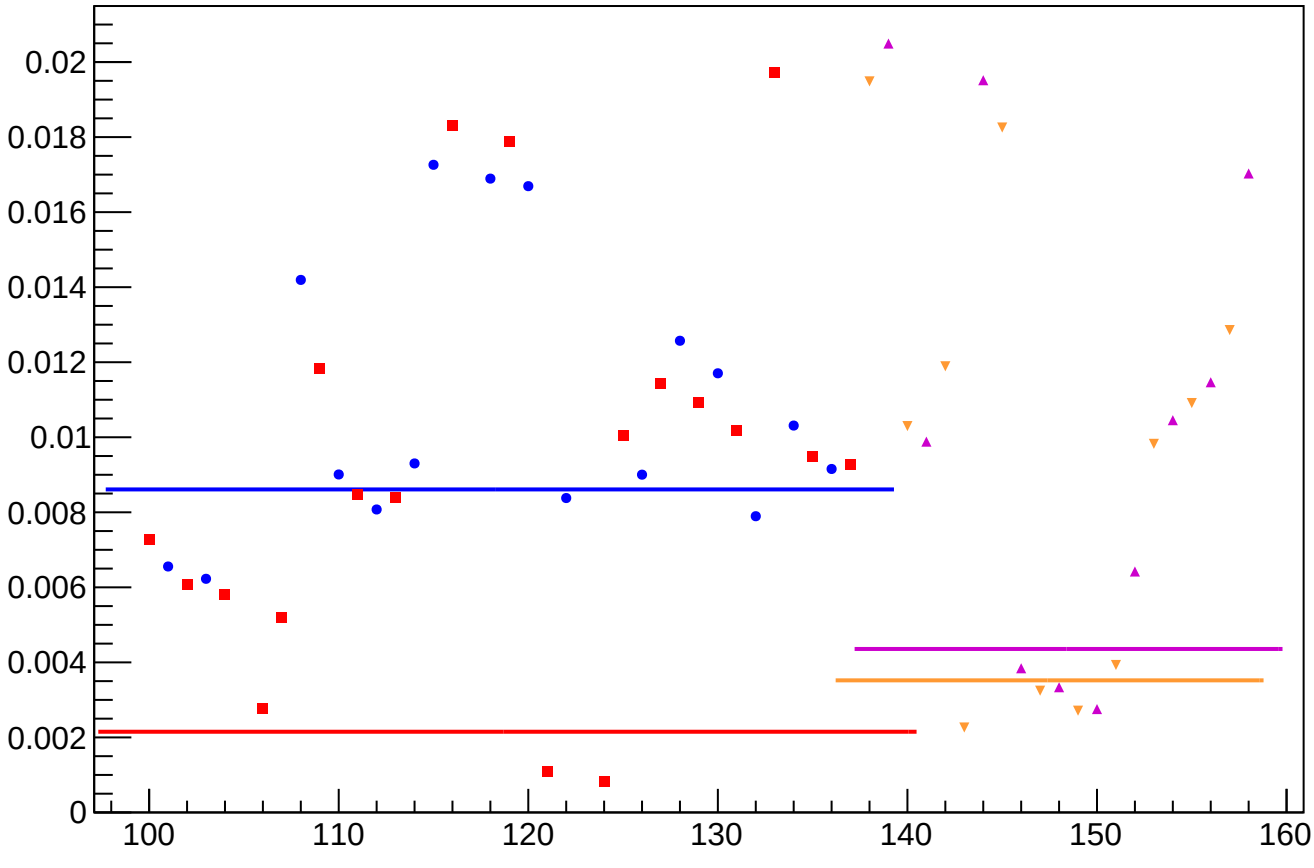
Left: 0.000+/-0.000 χ^2/NDF: 27.9/20

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:31.3/25

Out: 0.000+/-0.000 χ^2/NDF:35.9/29

All: 0.000+/-0.000 χ^2/NDF: 67.8/55



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:6081708.5/10

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:5722958.6/9

Left: 0.004+/-0.000 χ^2/NDF: 12044995.7/20

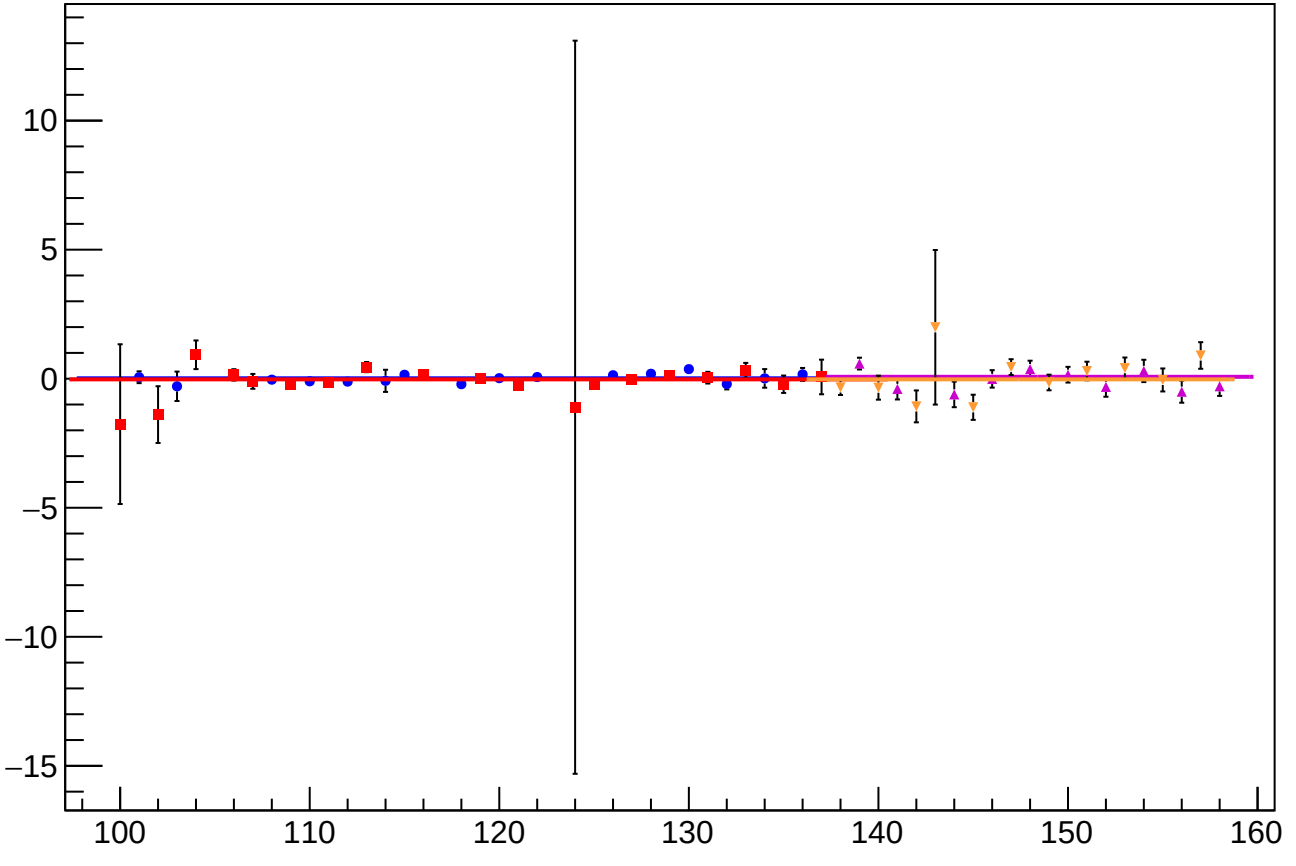
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:9261607.6/25

Out: 0.003+/-0.000 χ^2/NDF:16087343.9/29

All: 0.003+/-0.000 χ^2/NDF: 29039175.8/55

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: -0.025+/-0.122 χ^2/NDF:17.6/10

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.074+/-0.110 χ^2/NDF:13.3/9

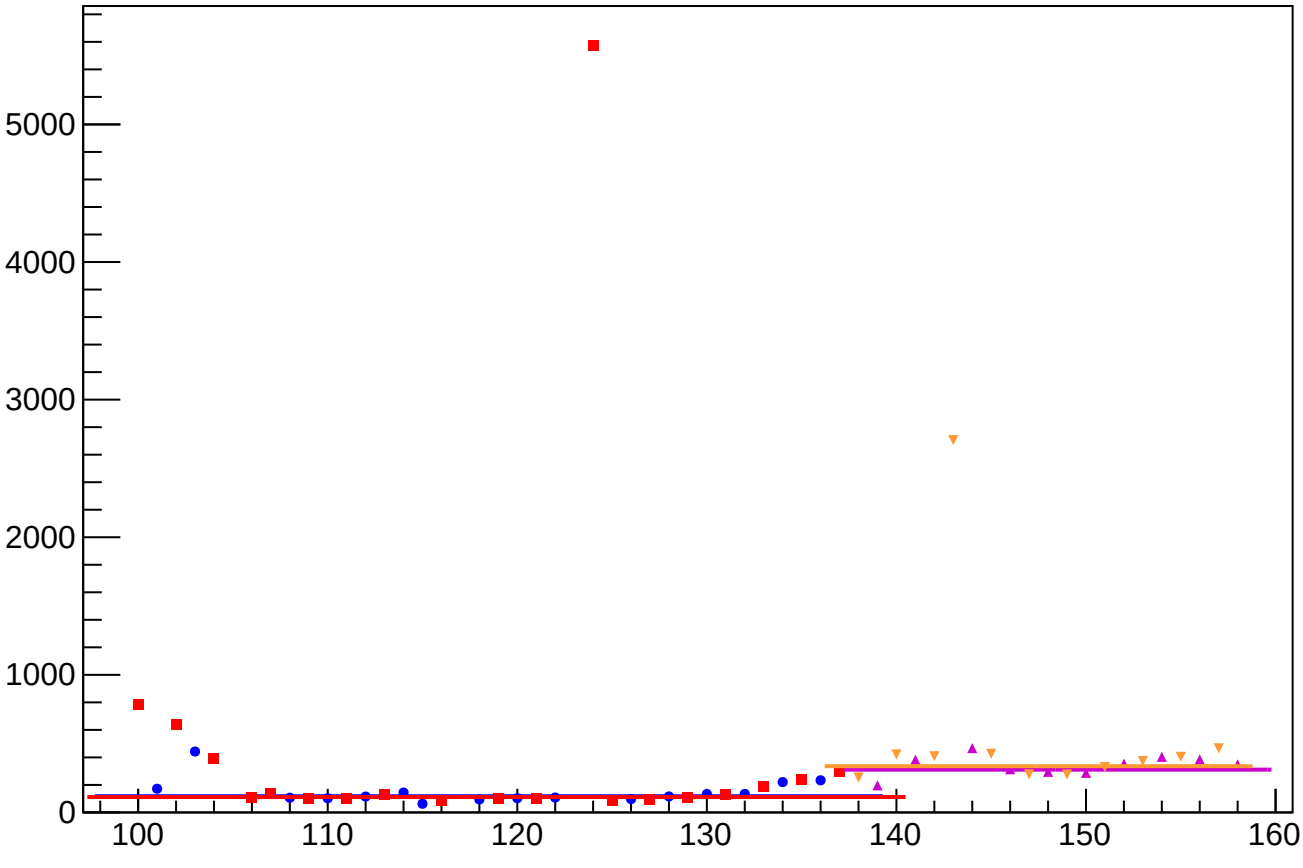
Left: 0.030+/-0.082 χ^2/NDF: 31.2/20

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.025+/-0.044 χ^2/NDF:25.3/25

Out: -0.026+/-0.044 χ^2/NDF:39.6/29

All: -0.001+/-0.031 χ^2/NDF: 65.6/55



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 336.211+/-0.086 χ^2/NDF:1913229.5/10

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 311.130+/-0.078 χ^2/NDF:975202.0/9

Left: 322.334+/-0.058 χ^2/NDF: 2935091.5/20

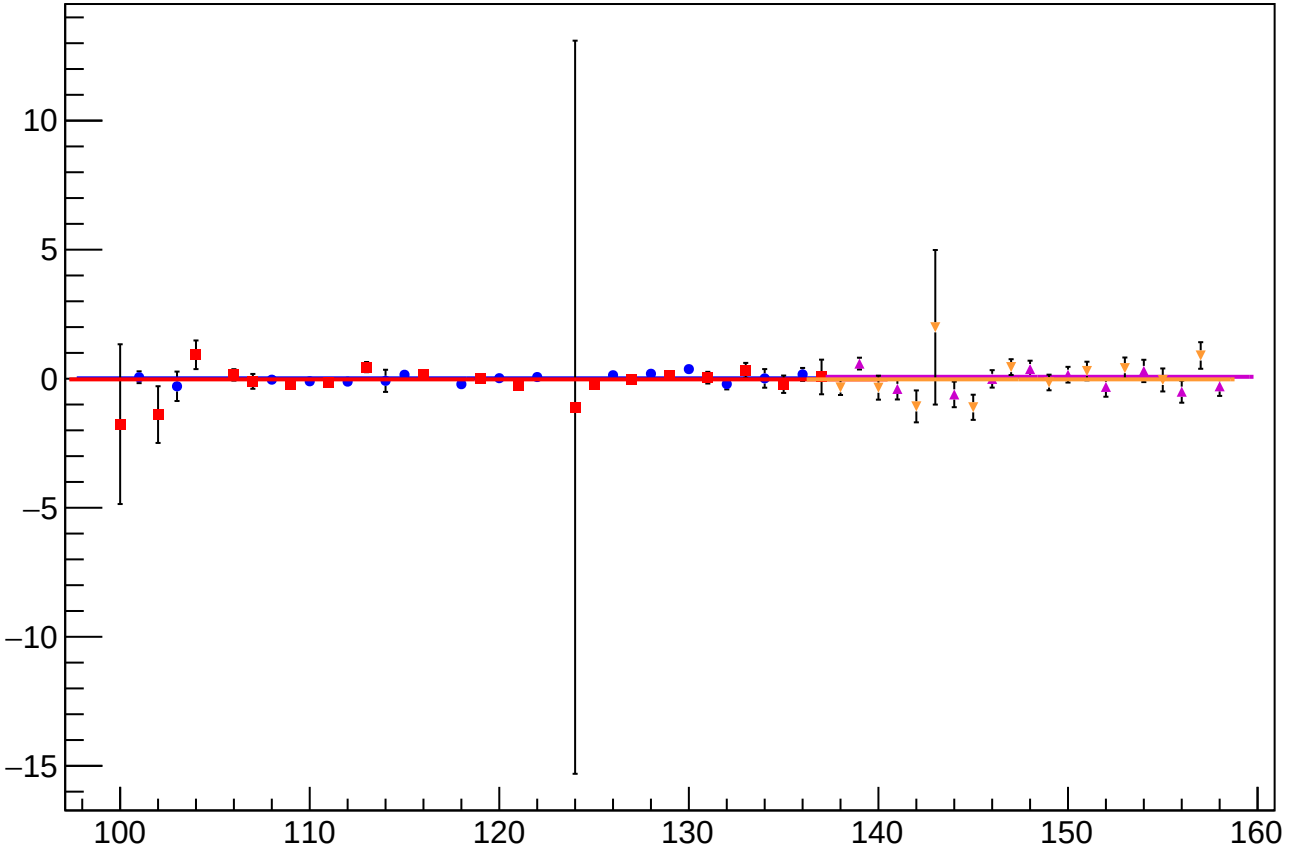
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 148.598+/-0.031 χ^2/NDF:7918654.6/25

Out: 140.859+/-0.031 χ^2/NDF:9968201.8/29

All: 144.715+/-0.022 χ^2/NDF: 17918053.9/55

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: -0.025+/-0.122 χ^2/NDF:17.6/10

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.074+/-0.110 χ^2/NDF:13.3/9

Left: 0.030+/-0.082 χ^2/NDF: 31.2/20

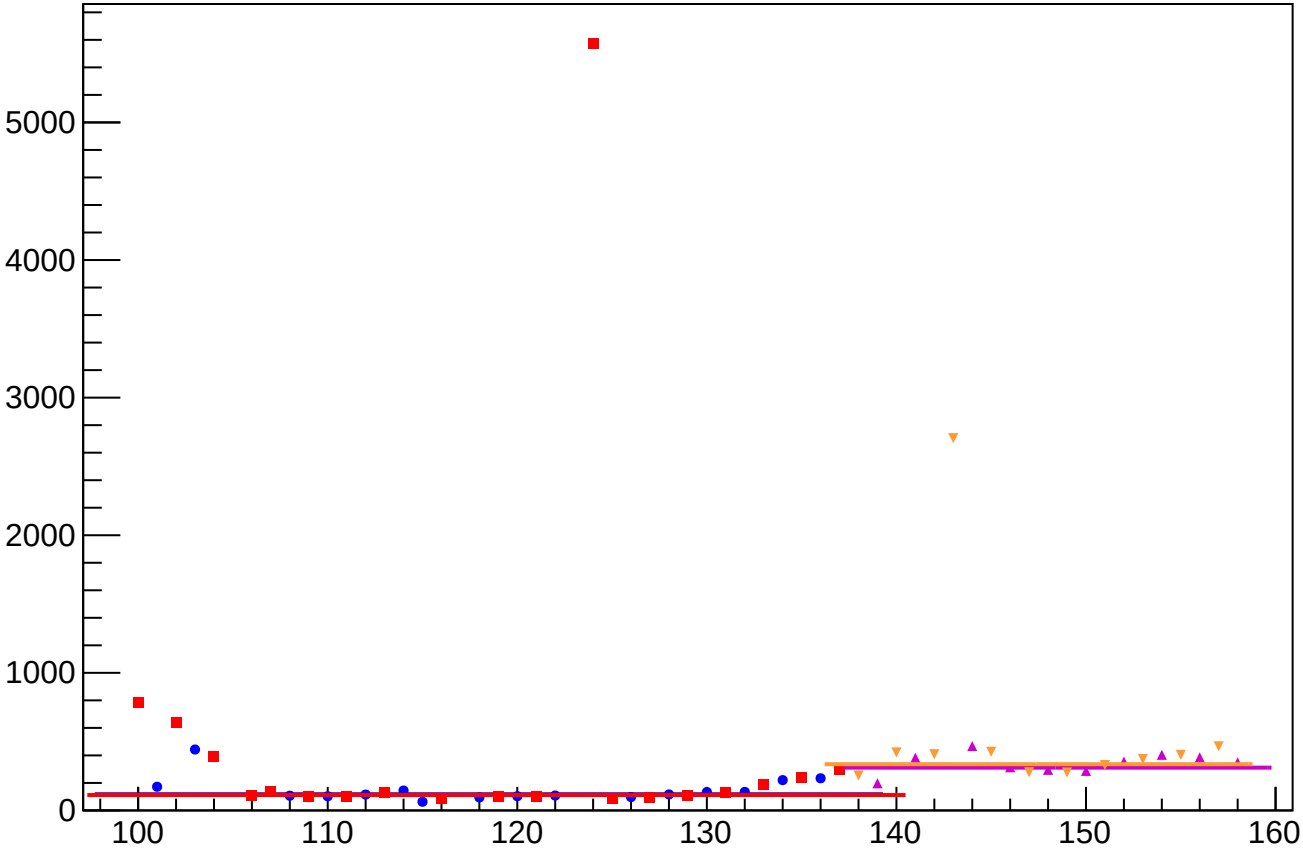
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.025+/-0.044 χ^2/NDF:25.3/25

Out: -0.026+/-0.044 χ^2/NDF:39.6/29

All: -0.001+/-0.031 χ^2/NDF: 65.6/55

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: 336.211+/-0.086 χ^2/NDF:1913229.5/10

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 311.130+/-0.078 χ^2/NDF:975202.0/9

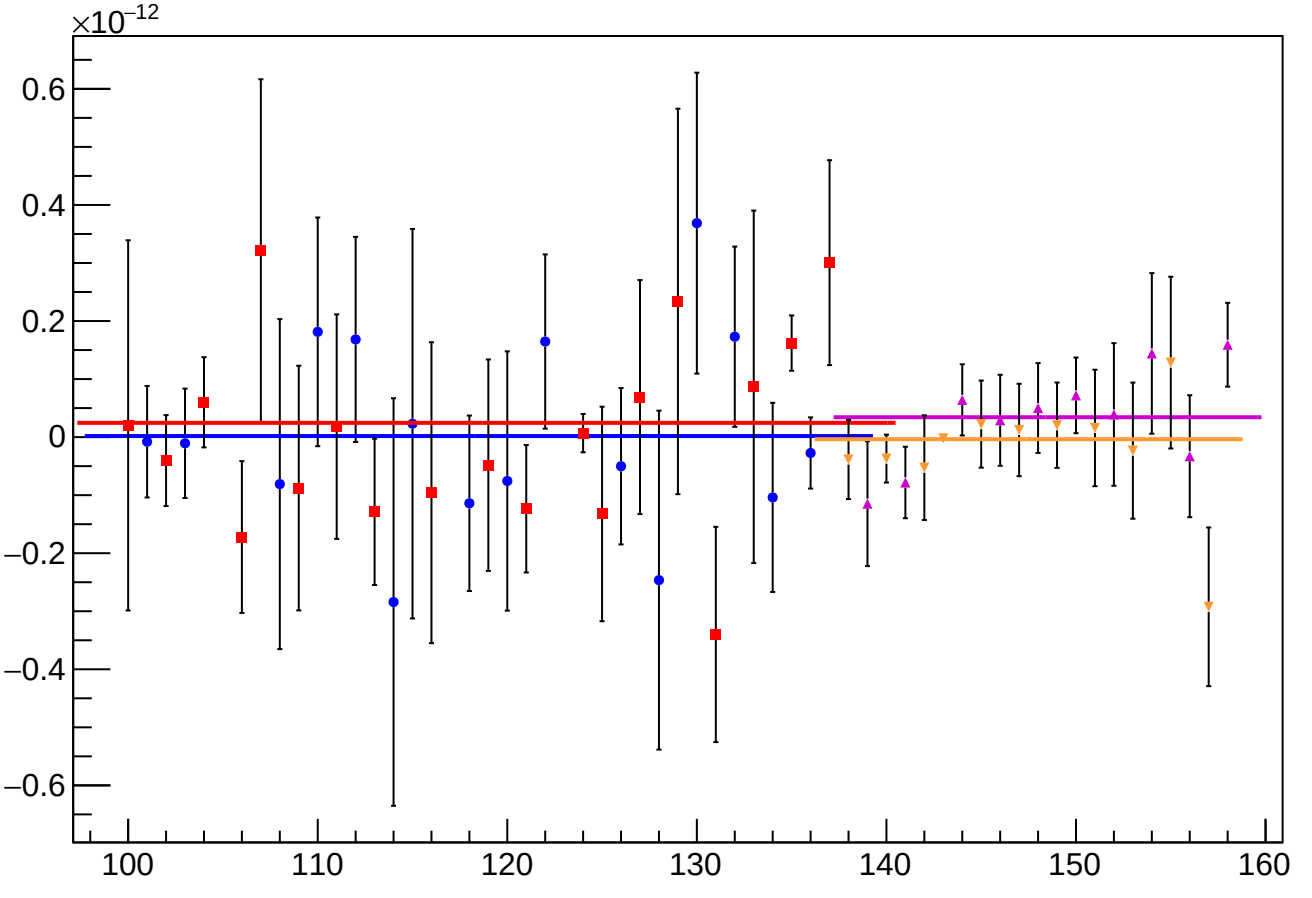
Left: 322.334+/-0.058 χ^2/NDF: 2935091.5/20

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 148.598+/-0.031 χ^2/NDF:7918654.6/25

Out: 140.859+/-0.031 χ^2/NDF:9968201.8/29

All: 144.715+/-0.022 χ^2/NDF: 17918053.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/9

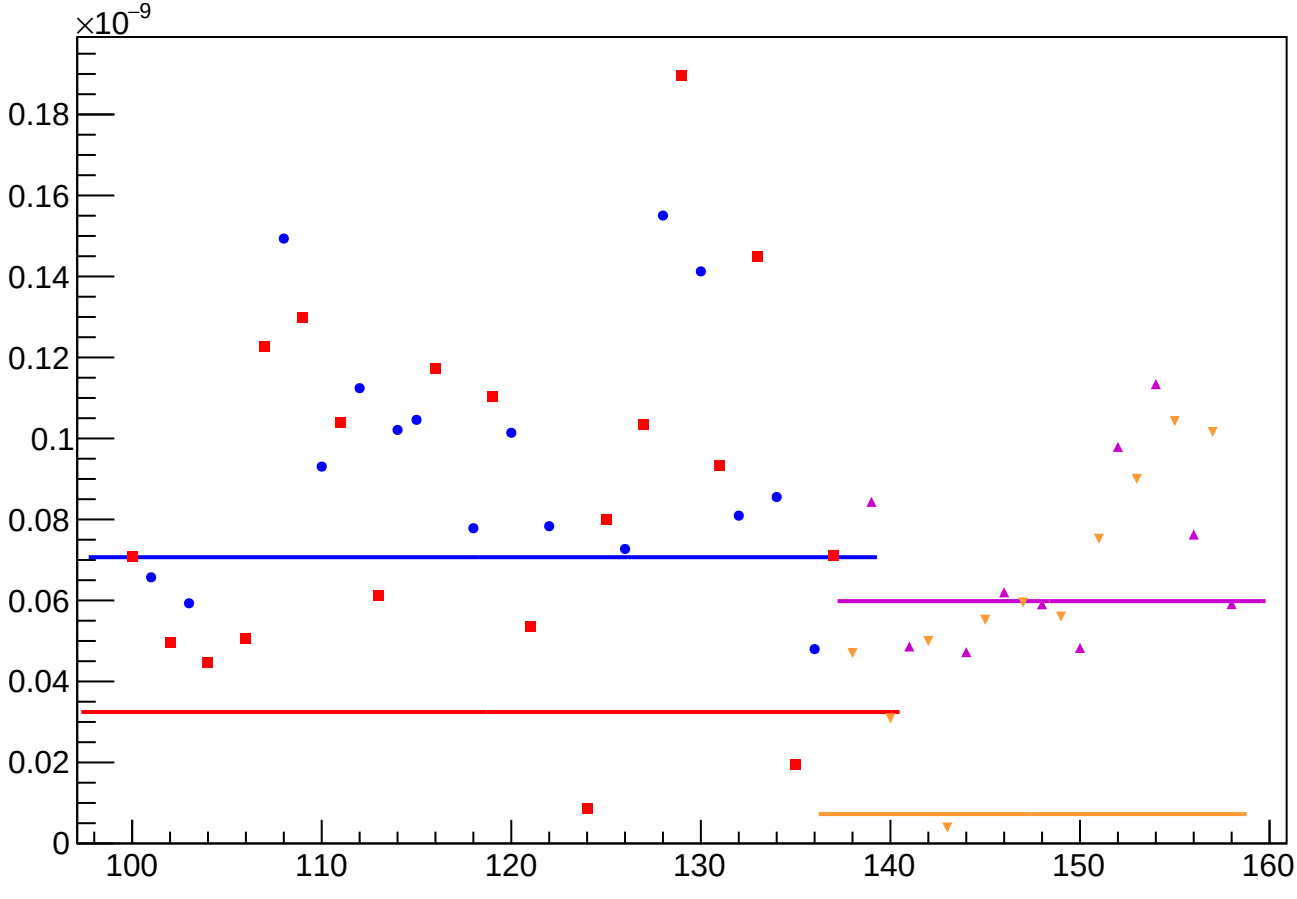
Left: -0.000+/-0.000 χ^2/NDF: 18.9/20

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:19.6/25

Out: -0.000+/-0.000 χ^2/NDF:32.6/29

All: 0.000+/-0.000 χ^2/NDF: 53.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8572858.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:859960.1/9

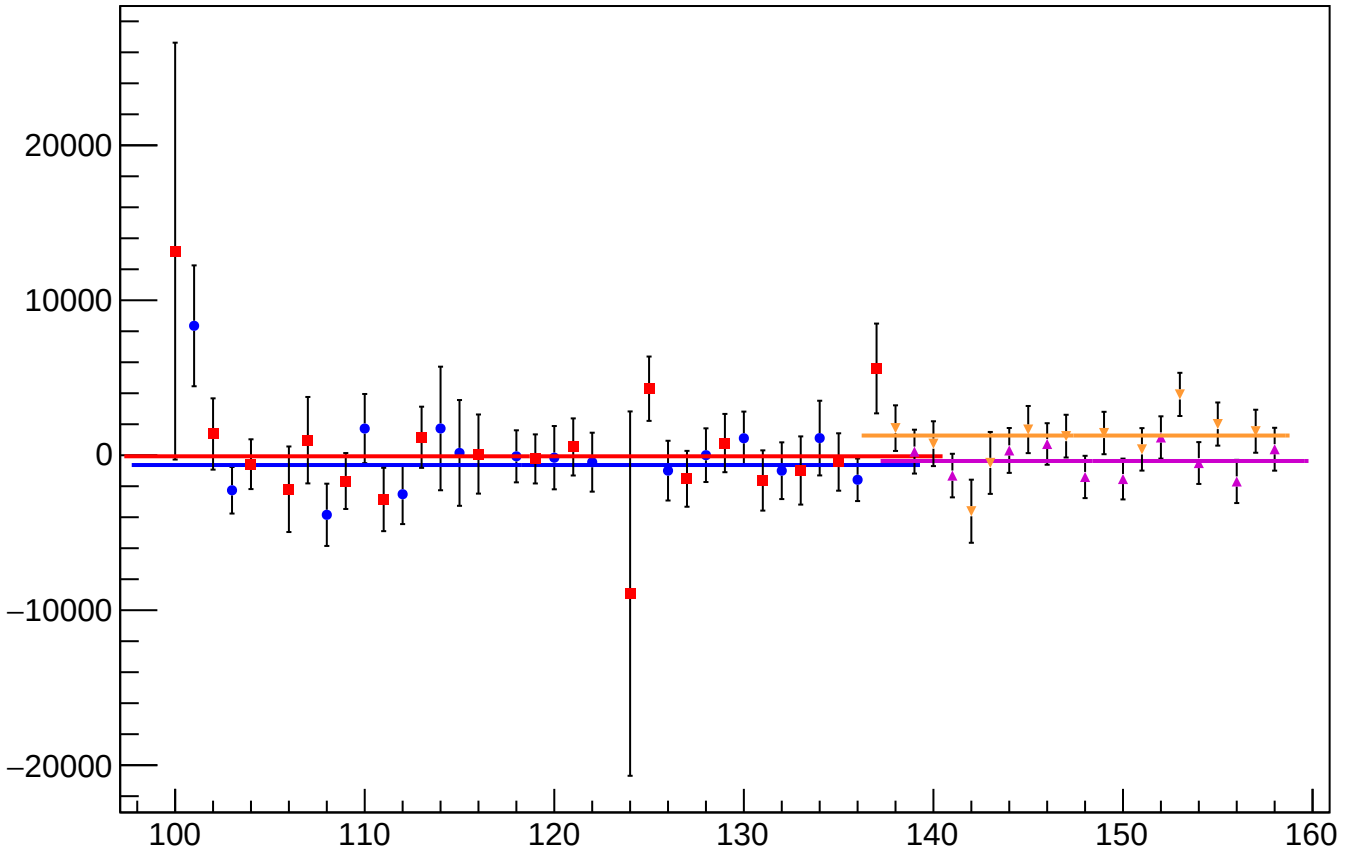
Left: 0.000+/-0.000 χ^2/NDF: 17650699.4/20

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2012938.8/25

Out: 0.000+/-0.000 χ^2/NDF:15521910.9/29

All: 0.000+/-0.000 χ^2/NDF: 30658305.9/55



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.584+/-446.901 χ^2/NDF:11.2/10

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -370.992+/-435.347 χ^2/NDF:5.3/9

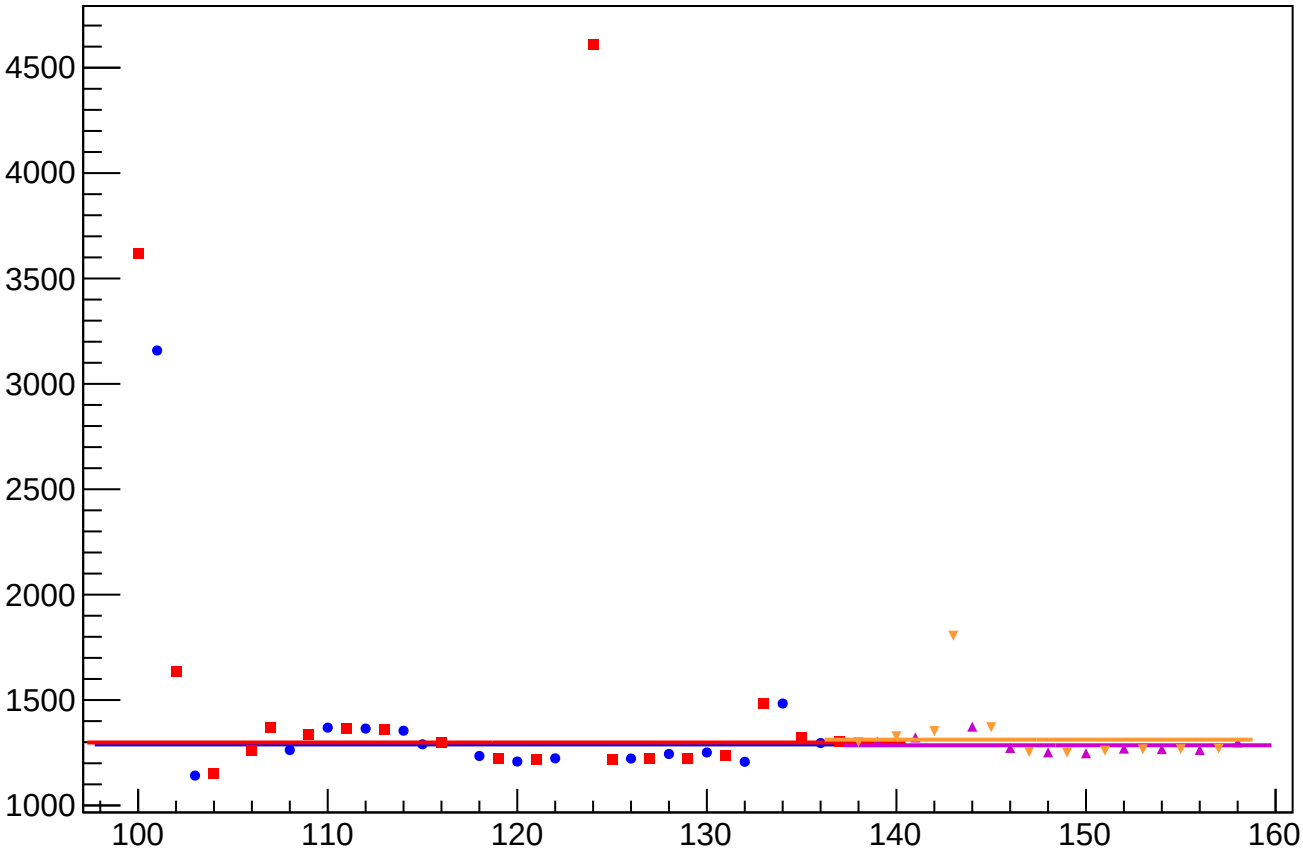
Left: 428.788+/-311.842 χ^2/NDF: 23.5/20

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -486.062+/-325.059 χ^2/NDF:19.4/25

Out: 660.405+/-329.506 χ^2/NDF:31.2/29

All: 79.381+/-231.408 χ^2/NDF: 56.7/55



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

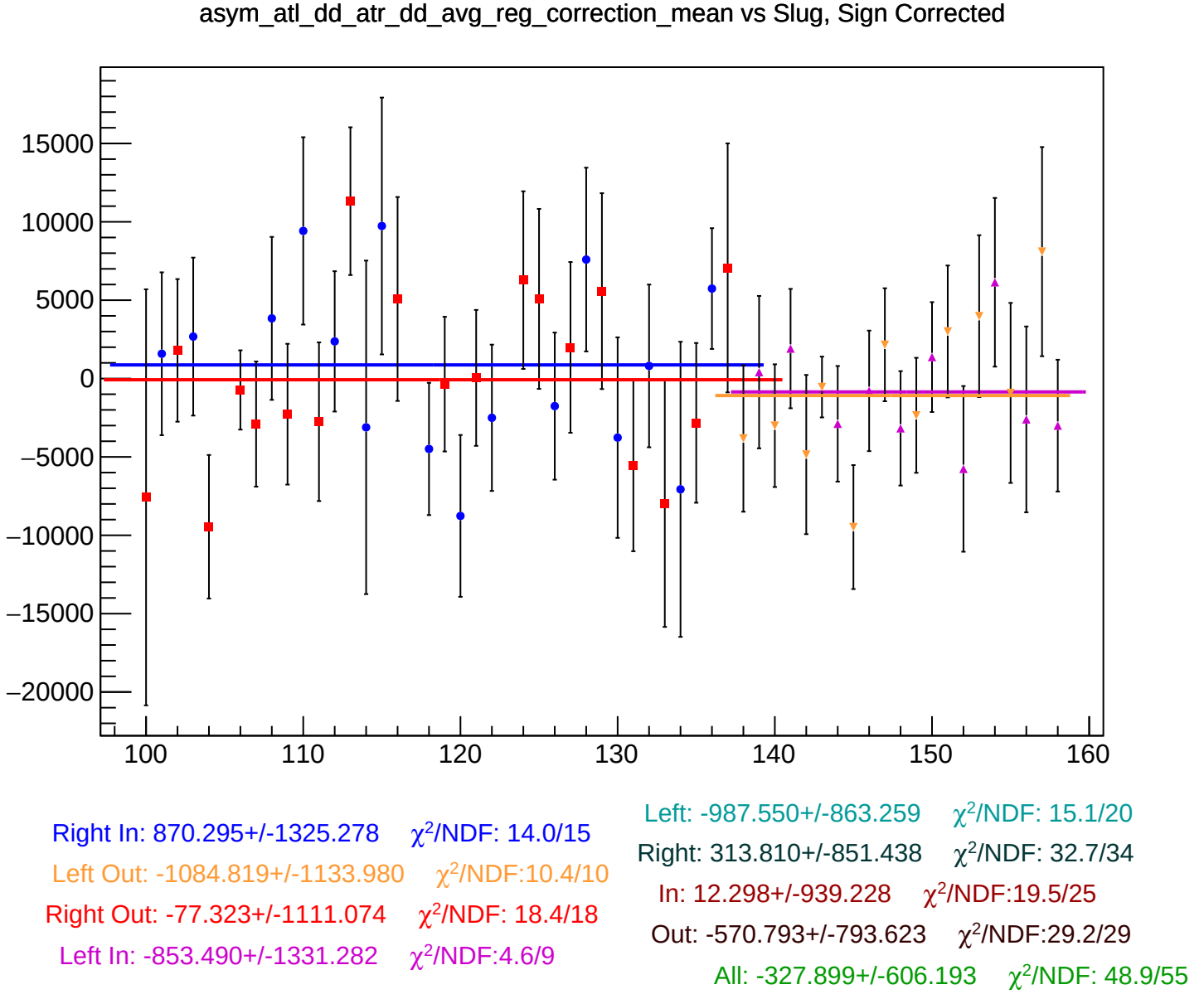
Left: 1298.415+/-0.221 χ^2/NDF: 159888.6/20

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1287.207+/-0.230 χ^2/NDF:528223.0/25

Out: 1305.955+/-0.233 χ^2/NDF:462959.1/29

All: 1296.465+/-0.164 χ^2/NDF: 994467.5/55


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
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−5000
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−15000
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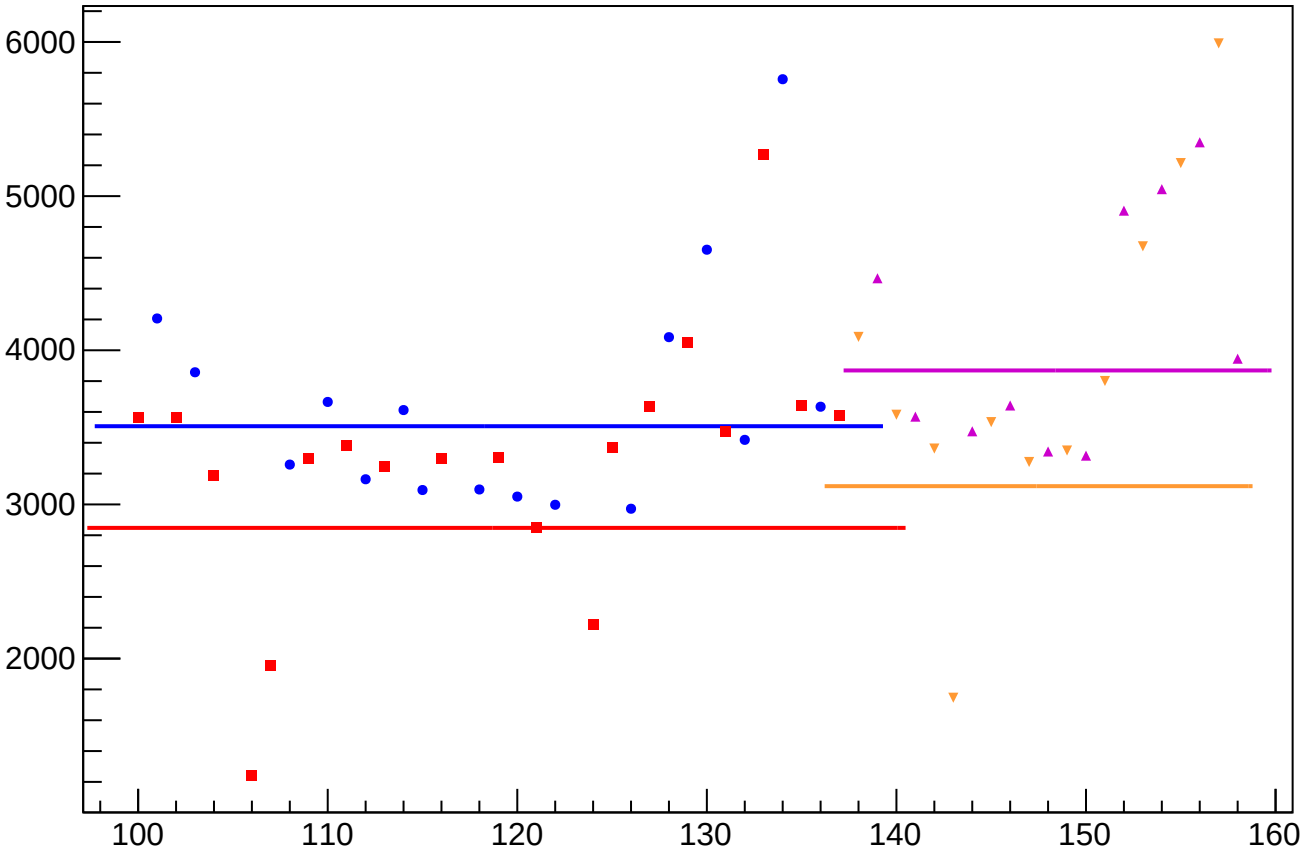
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -1084.819+/-1133.980 χ²/NDF:10.4/10
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -853.490+/-1331.282 χ²/NDF:4.6/9
Left: -987.550+/-863.259 χ²/NDF: 15.1/20
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 12.298+/-939.228 χ²/NDF:19.5/25
Out: -570.793+/-793.623 χ²/NDF:29.2/29
All: -327.899+/-606.193 χ²/NDF: 48.9/55



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3118.453+/-0.802 χ^2/NDF:2024690.3/10

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

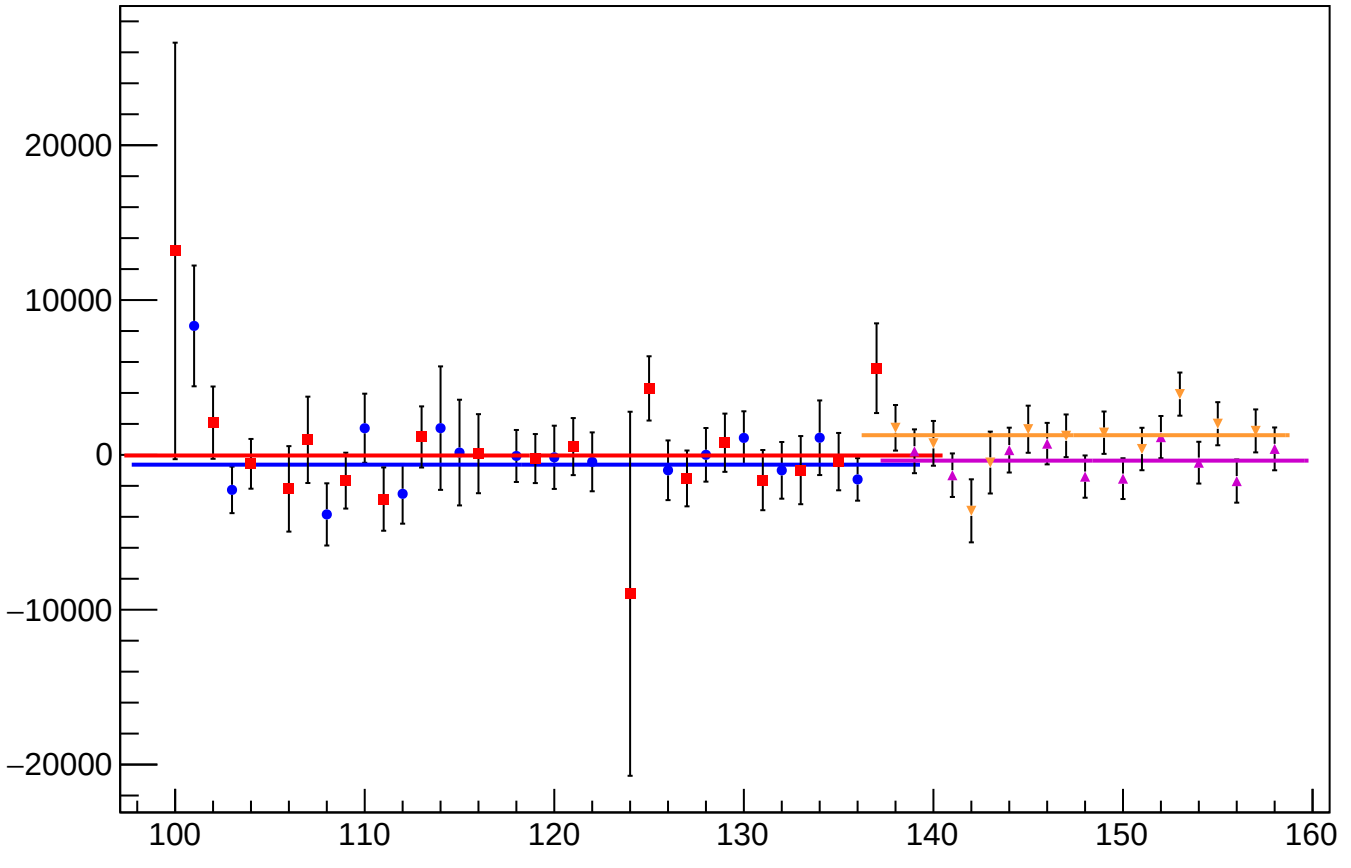
Left: 3434.101+/-0.610 χ^2/NDF: 2854804.2/20

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3687.453+/-0.664 χ^2/NDF:889723.8/25

Out: 2980.382+/-0.561 χ^2/NDF:3582177.9/29

All: 3274.921+/-0.429 χ^2/NDF: 5133216.2/55



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

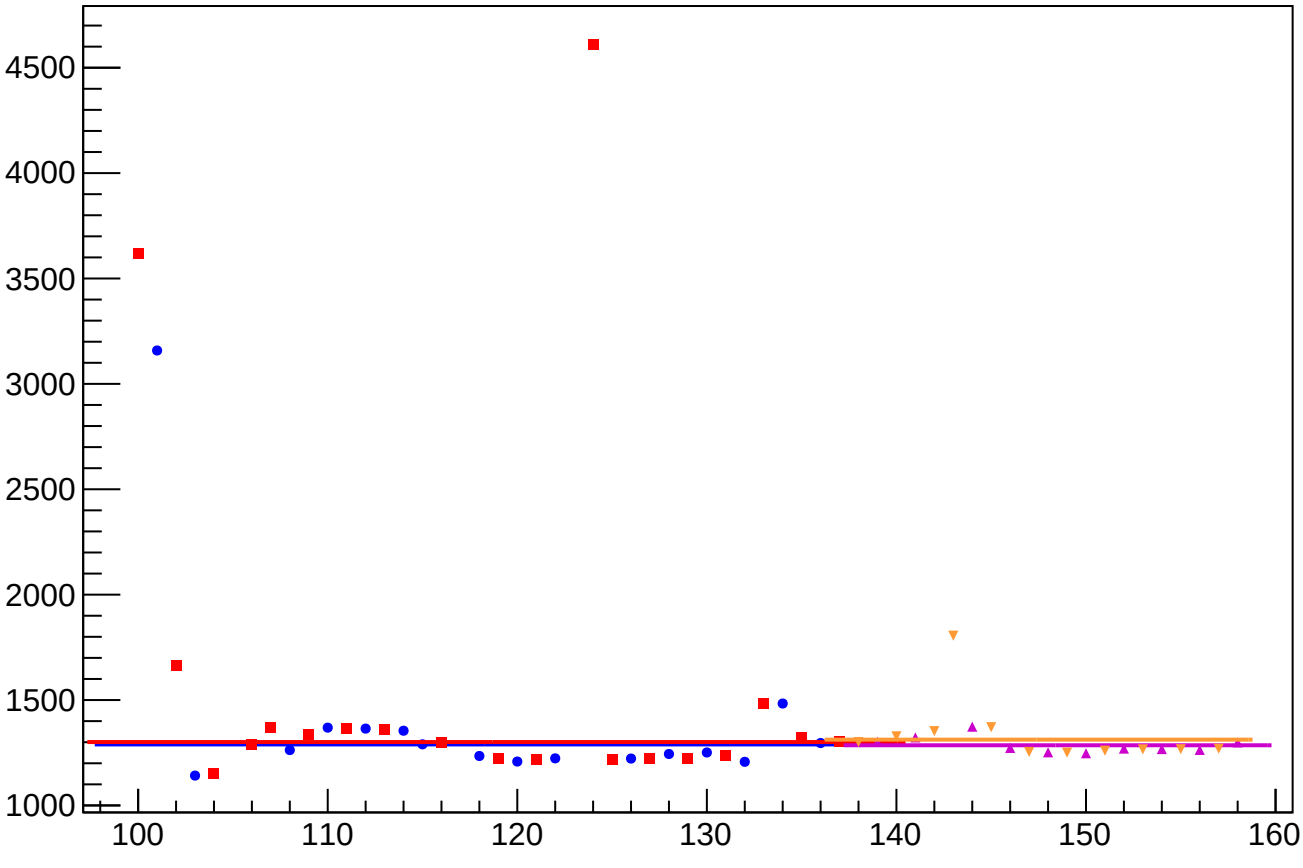
Left: 428.778+/-311.842 χ^2/NDF: 23.5/20

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 674.068+/-329.606 χ^2/NDF:31.5/29

All: 85.858+/-231.442 χ^2/NDF: 57.1/55



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

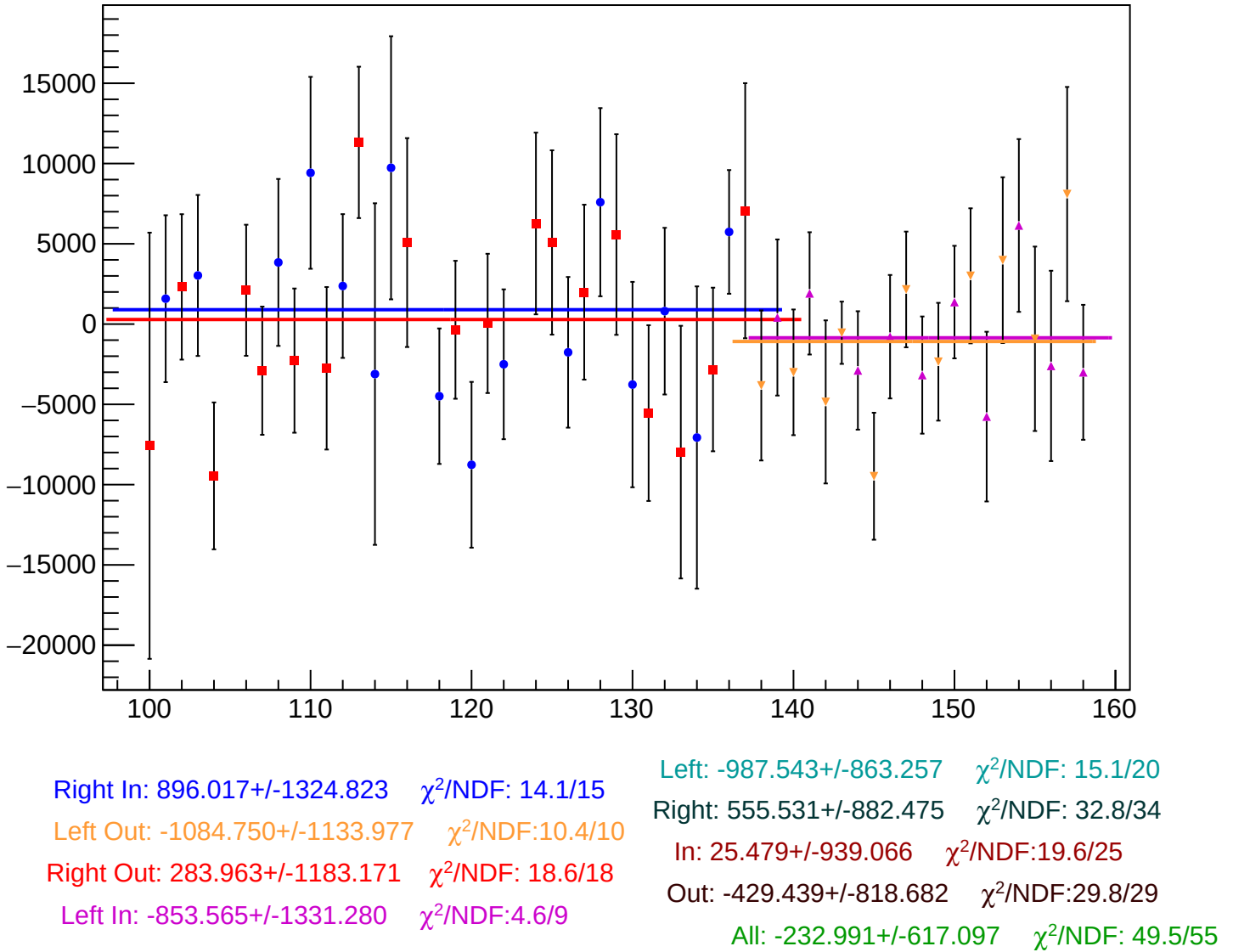
Left: 1298.415+/-0.221 χ^2/NDF: 159888.6/20

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1306.892+/-0.233 χ^2/NDF:469259.5/29

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
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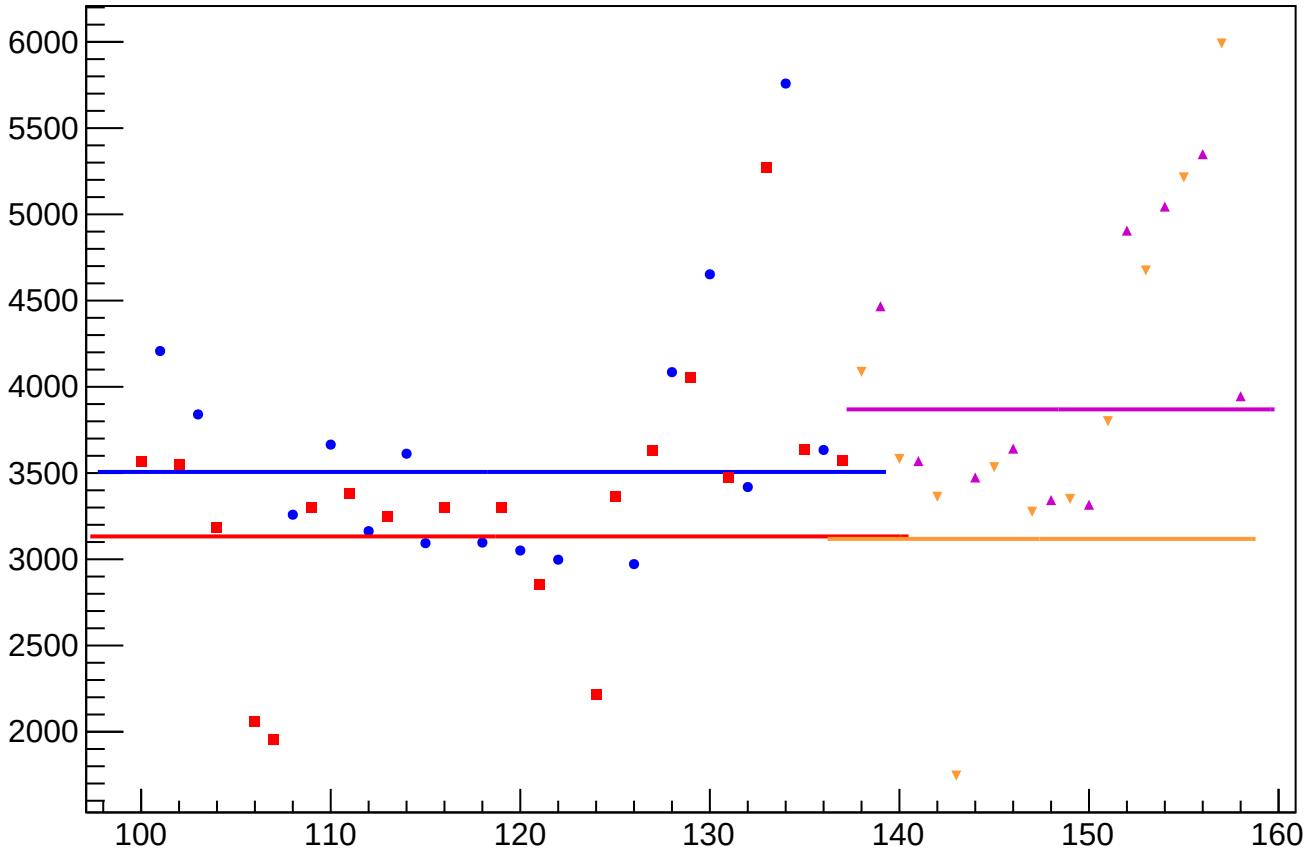
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1084.750+/-1133.977 χ²/NDF:10.4/10
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -853.565+/-1331.280 χ²/NDF:4.6/9
Left: -987.543+/-863.257 χ²/NDF: 15.1/20
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 25.479+/-939.066 χ²/NDF:19.6/25
Out: -429.439+/-818.682 χ²/NDF:29.8/29
All: -232.991+/-617.097 χ²/NDF: 49.5/55



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

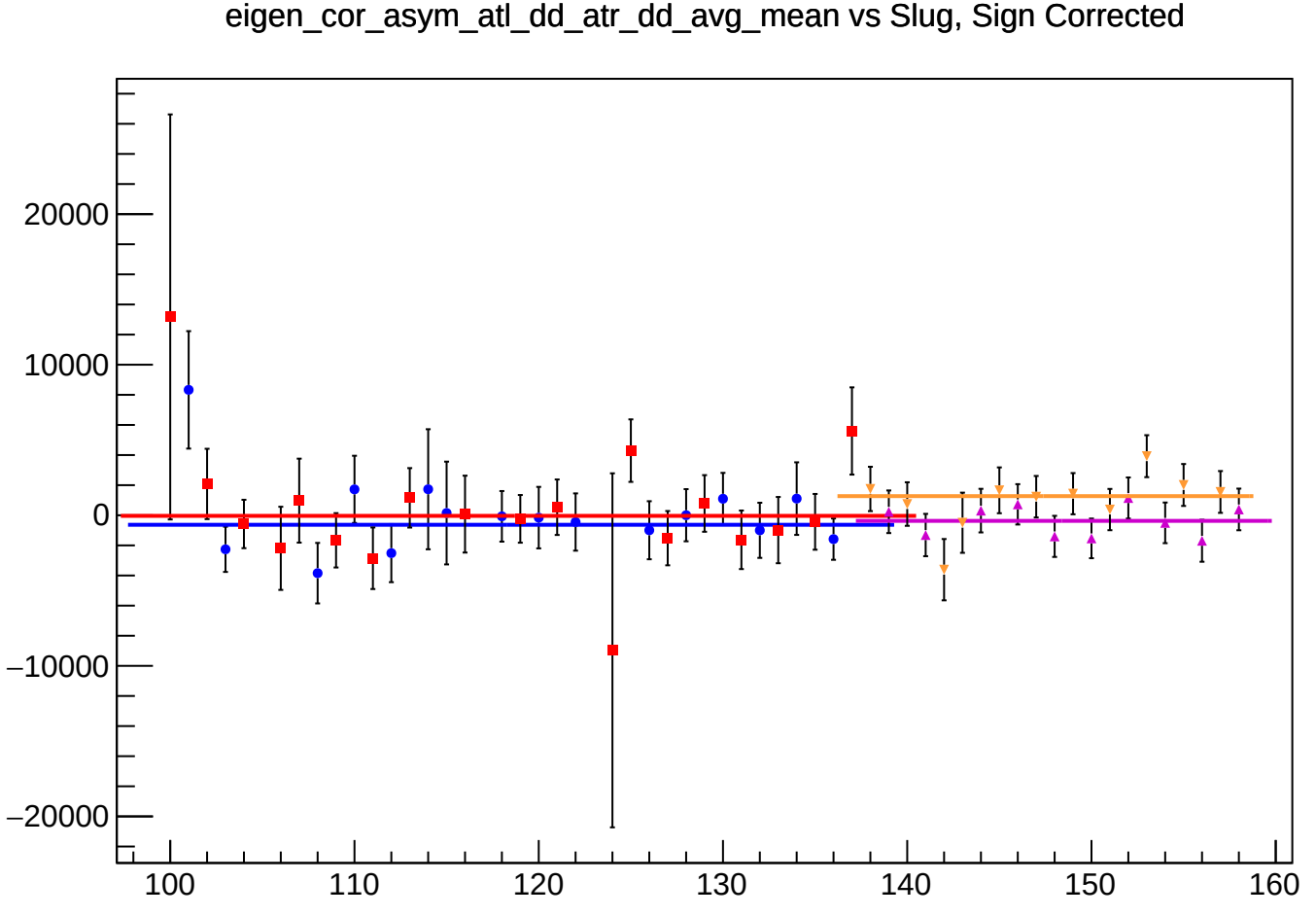
Left: 3434.093+/-0.610 χ^2/NDF: 2854834.2/20

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3125.214+/-0.579 χ^2/NDF:2674472.2/29

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

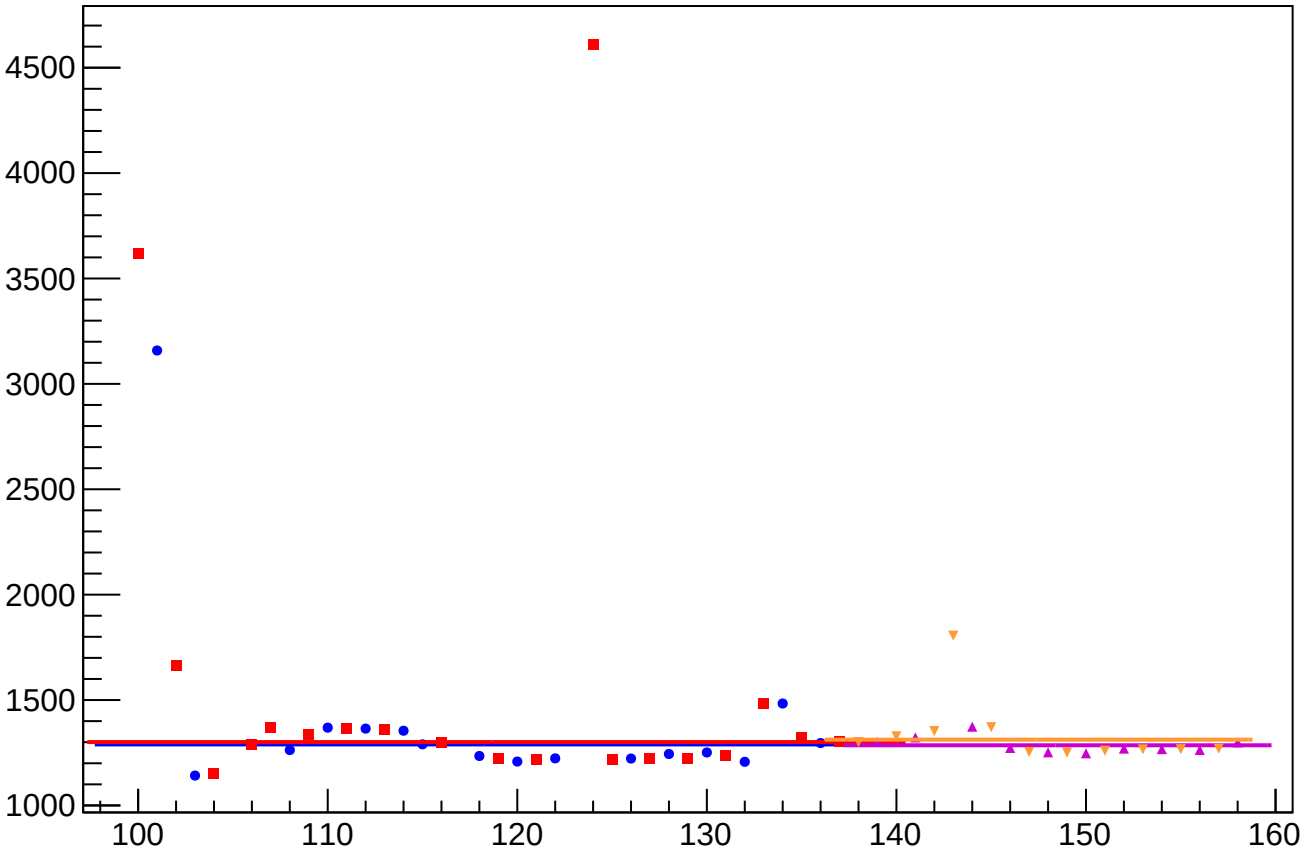
Left: 428.778+/-311.842 χ^2/NDF: 23.5/20

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 674.068+/-329.606 χ^2/NDF:31.5/29

All: 85.858+/-231.442 χ^2/NDF: 57.1/55



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

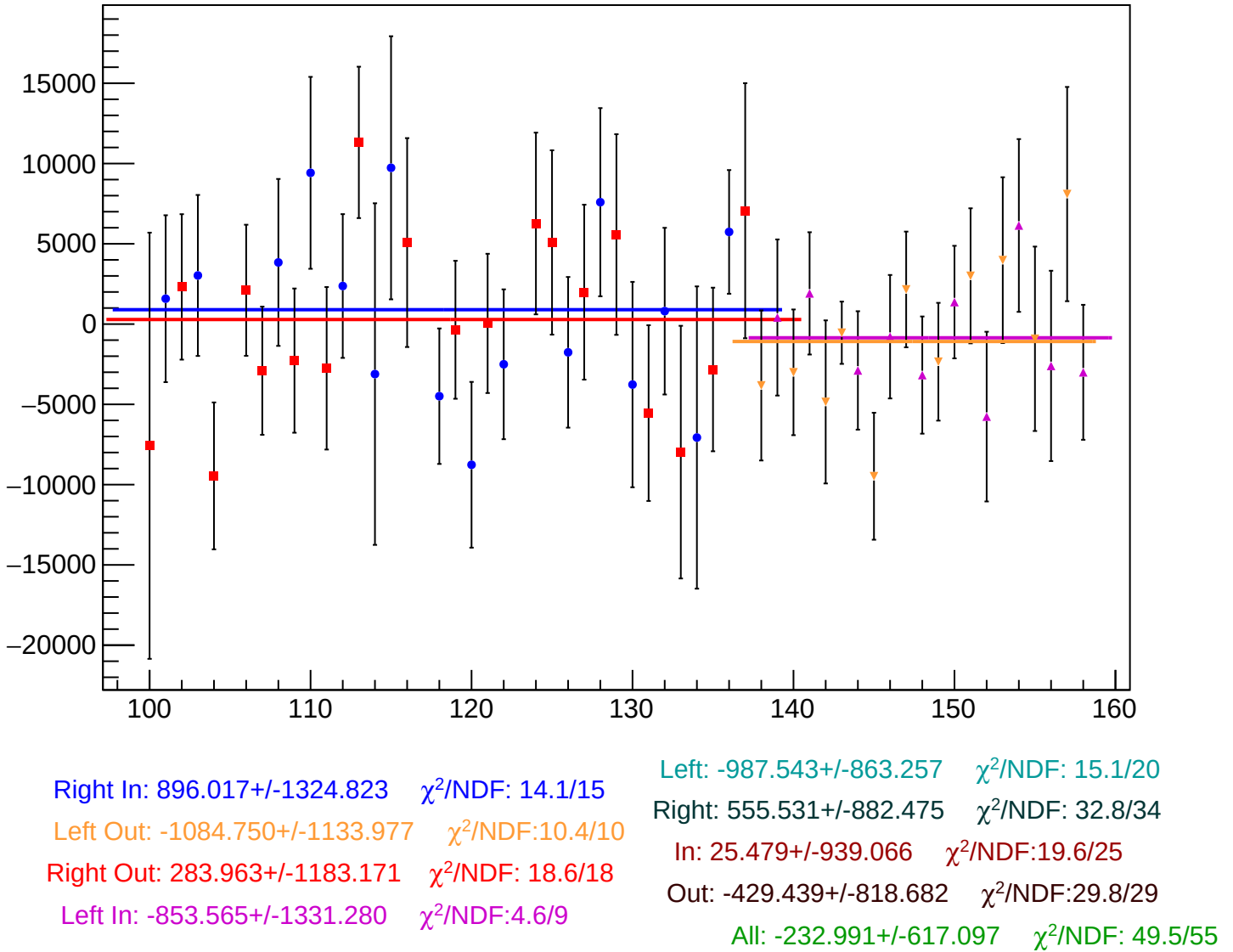
Left: 1298.415+/-0.221 χ^2/NDF: 159888.6/20

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1306.892+/-0.233 χ^2/NDF:469259.5/29

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
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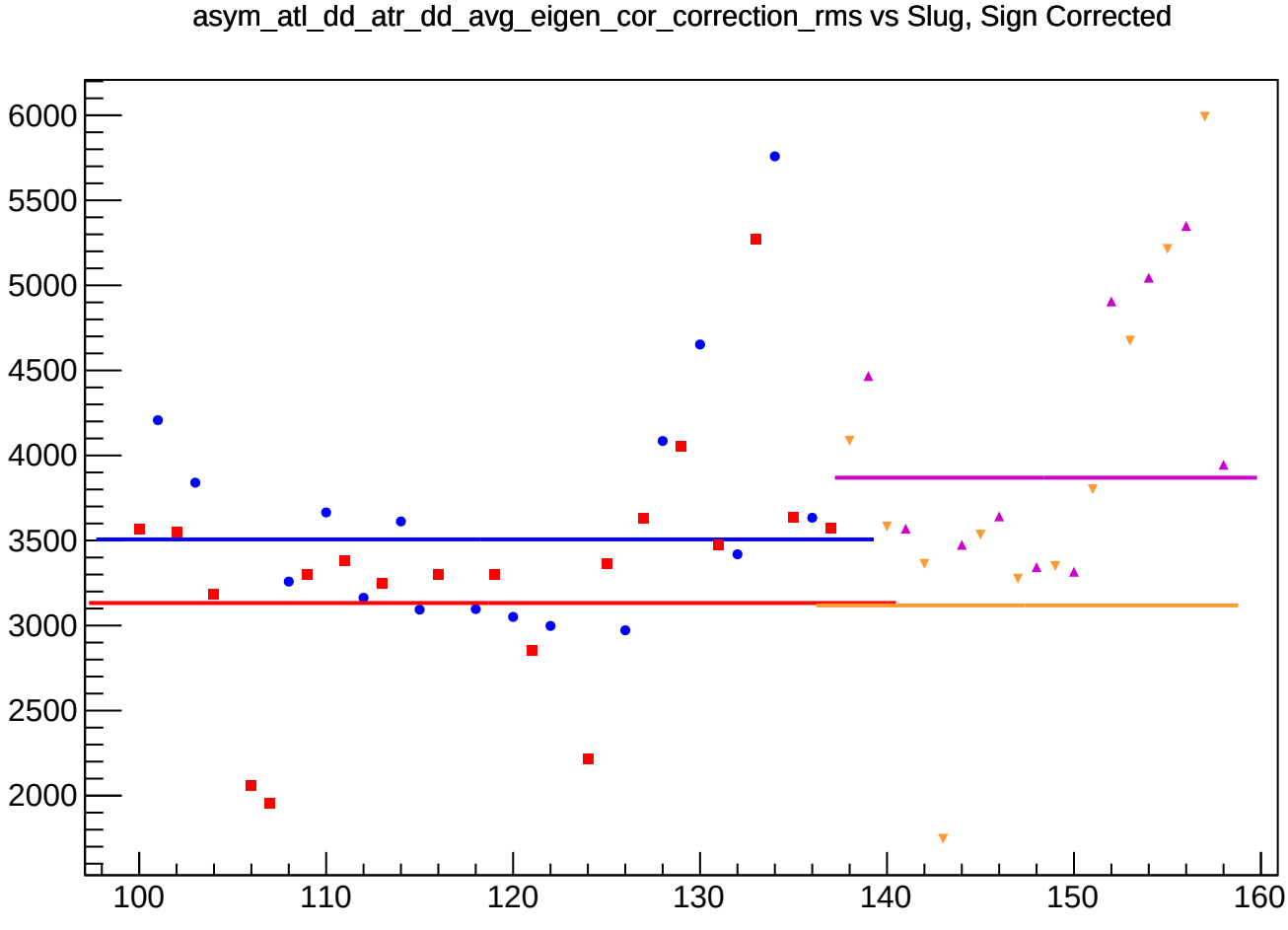
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1084.750+/-1133.977 χ²/NDF:10.4/10
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -853.565+/-1331.280 χ²/NDF:4.6/9
Left: -987.543+/-863.257 χ²/NDF: 15.1/20
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 25.479+/-939.066 χ²/NDF:19.6/25
Out: -429.439+/-818.682 χ²/NDF:29.8/29
All: -232.991+/-617.097 χ²/NDF: 49.5/55



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

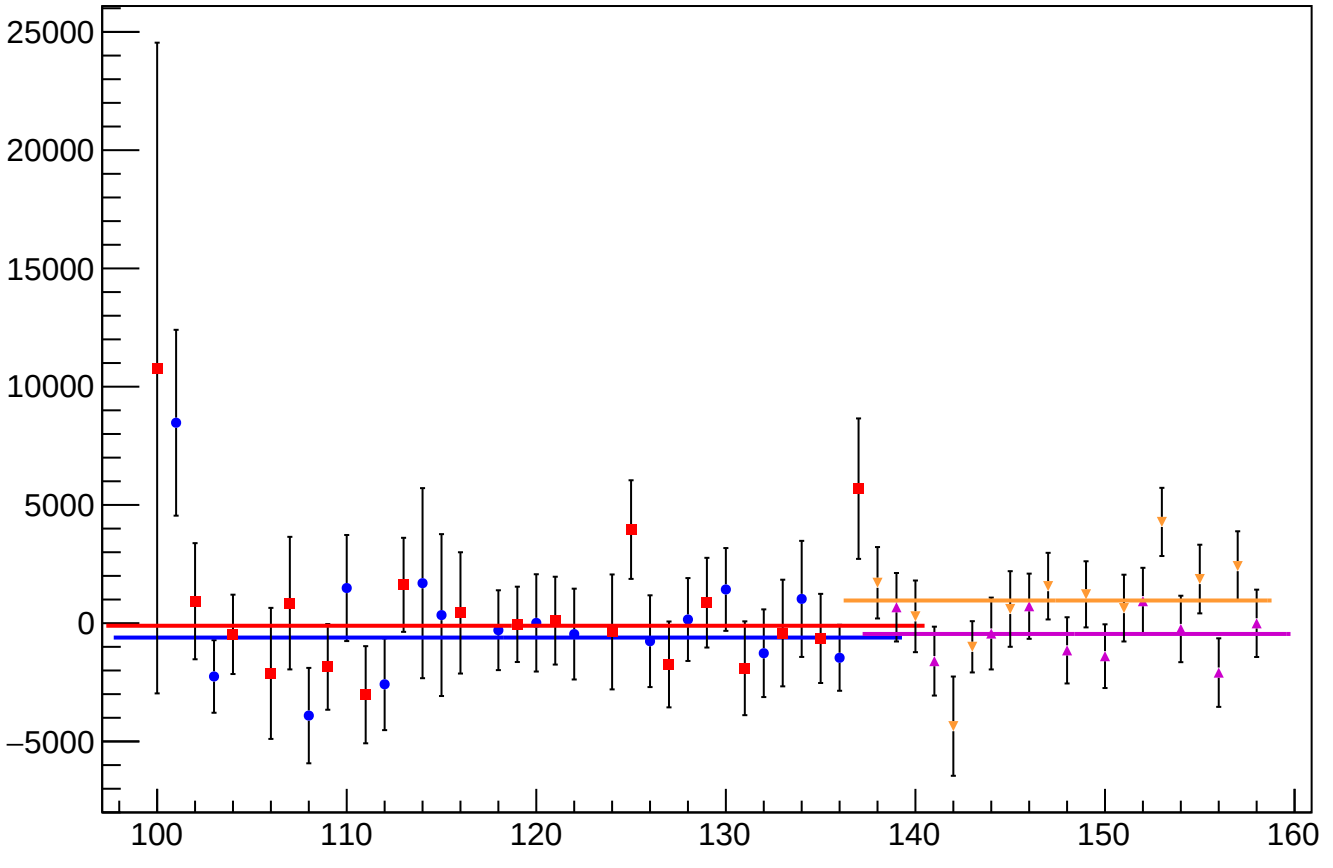
Left: 3434.093+/-0.610 χ^2/NDF: 2854834.2/20

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3125.214+/-0.579 χ^2/NDF:2674472.2/29

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.320+/-435.286 χ^2/NDF:17.1/10

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.548 χ^2/NDF:5.0/9

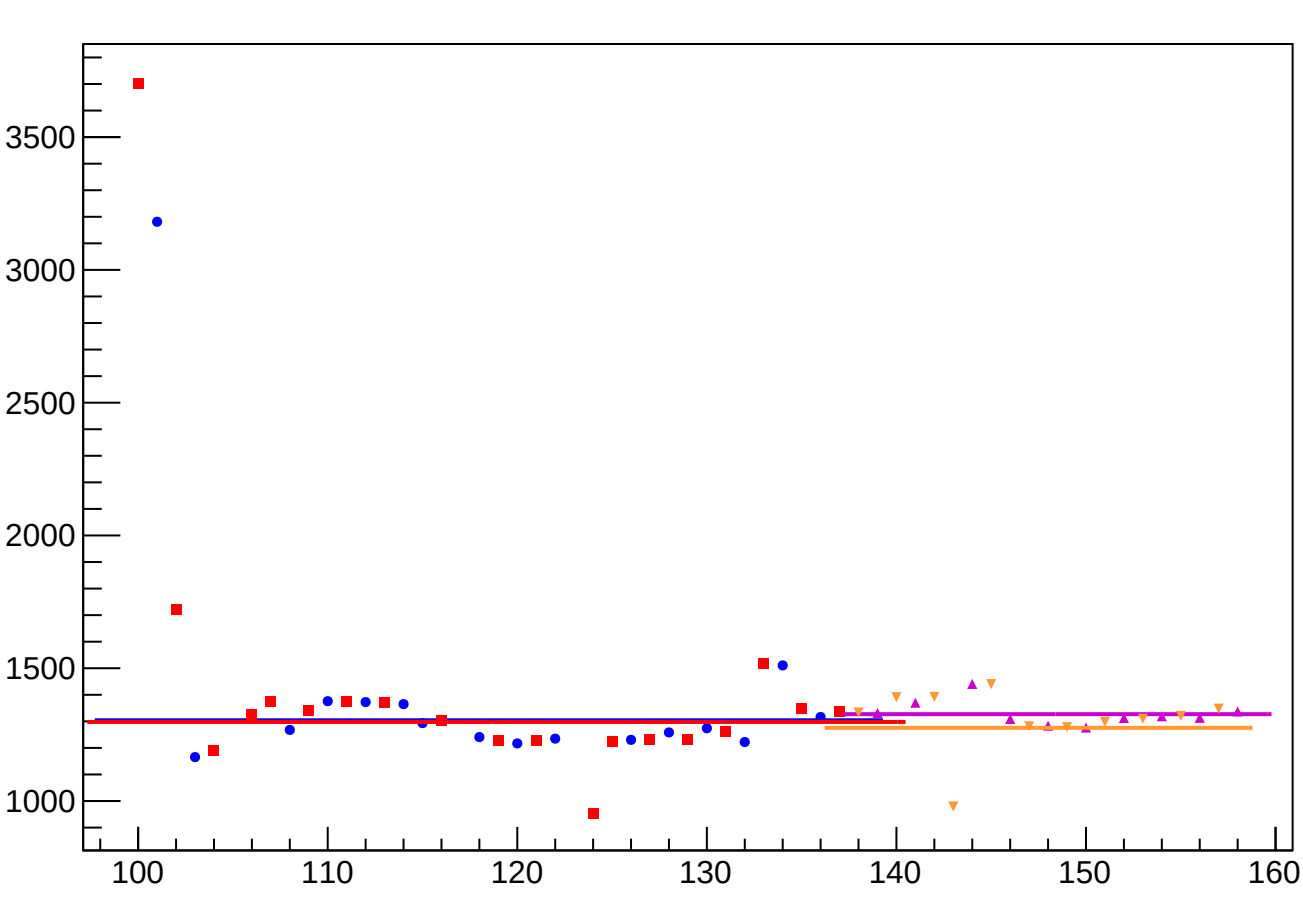
Left: 274.764+/-312.714 χ^2/NDF: 27.3/20

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -524.414+/-332.541 χ^2/NDF:19.2/25

Out: 483.475+/-324.113 χ^2/NDF:34.7/29

All: -7.536+/-232.105 χ^2/NDF: 58.6/55



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1275.710+/-0.308 χ^2/NDF:199772.2/10

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

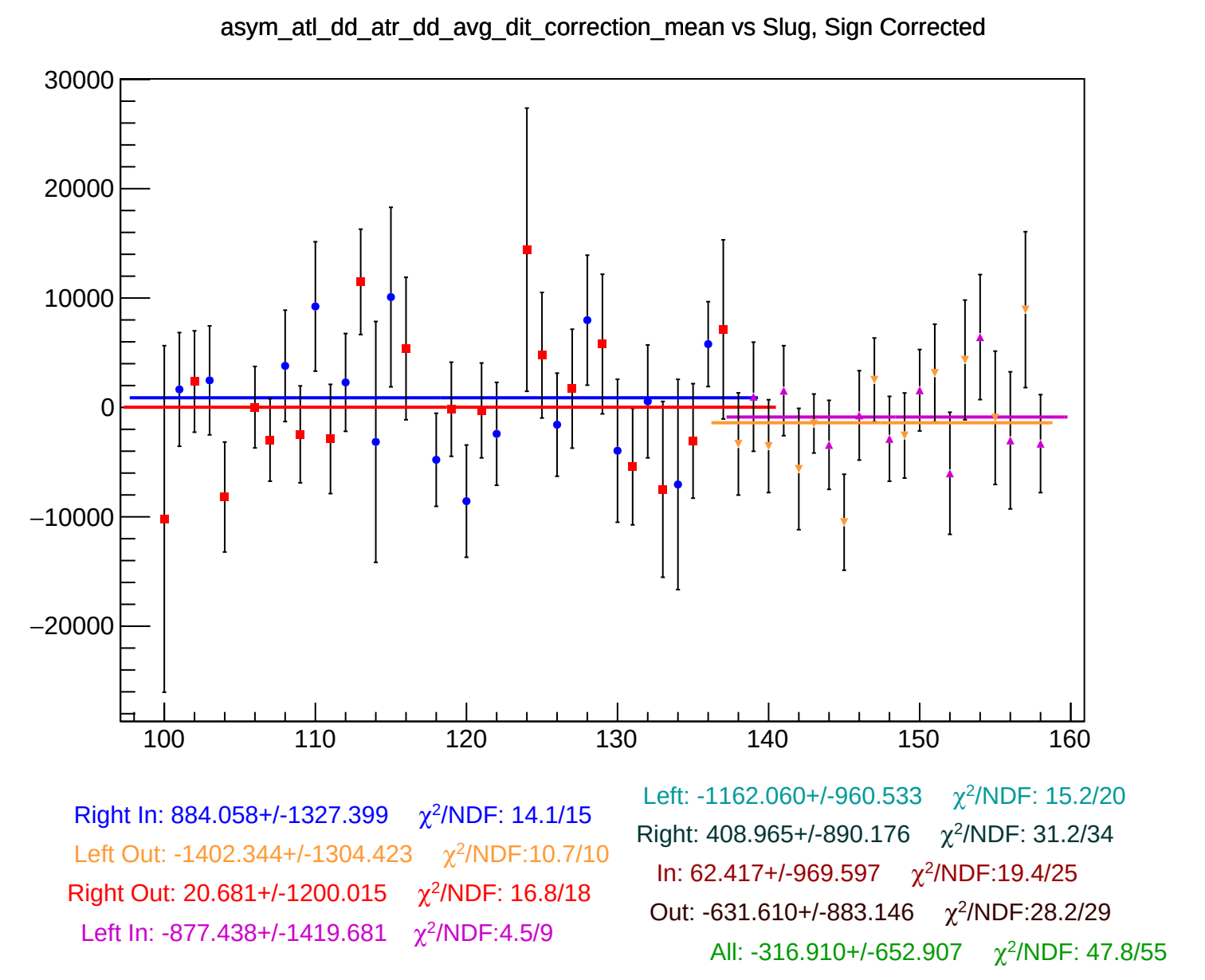
Left: 1300.558+/-0.221 χ^2/NDF: 231907.5/20

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1316.665+/-0.235 χ^2/NDF:531618.5/25

Out: 1285.559+/-0.229 χ^2/NDF:415165.2/29

All: 1300.708+/-0.164 χ^2/NDF: 955760.7/55


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
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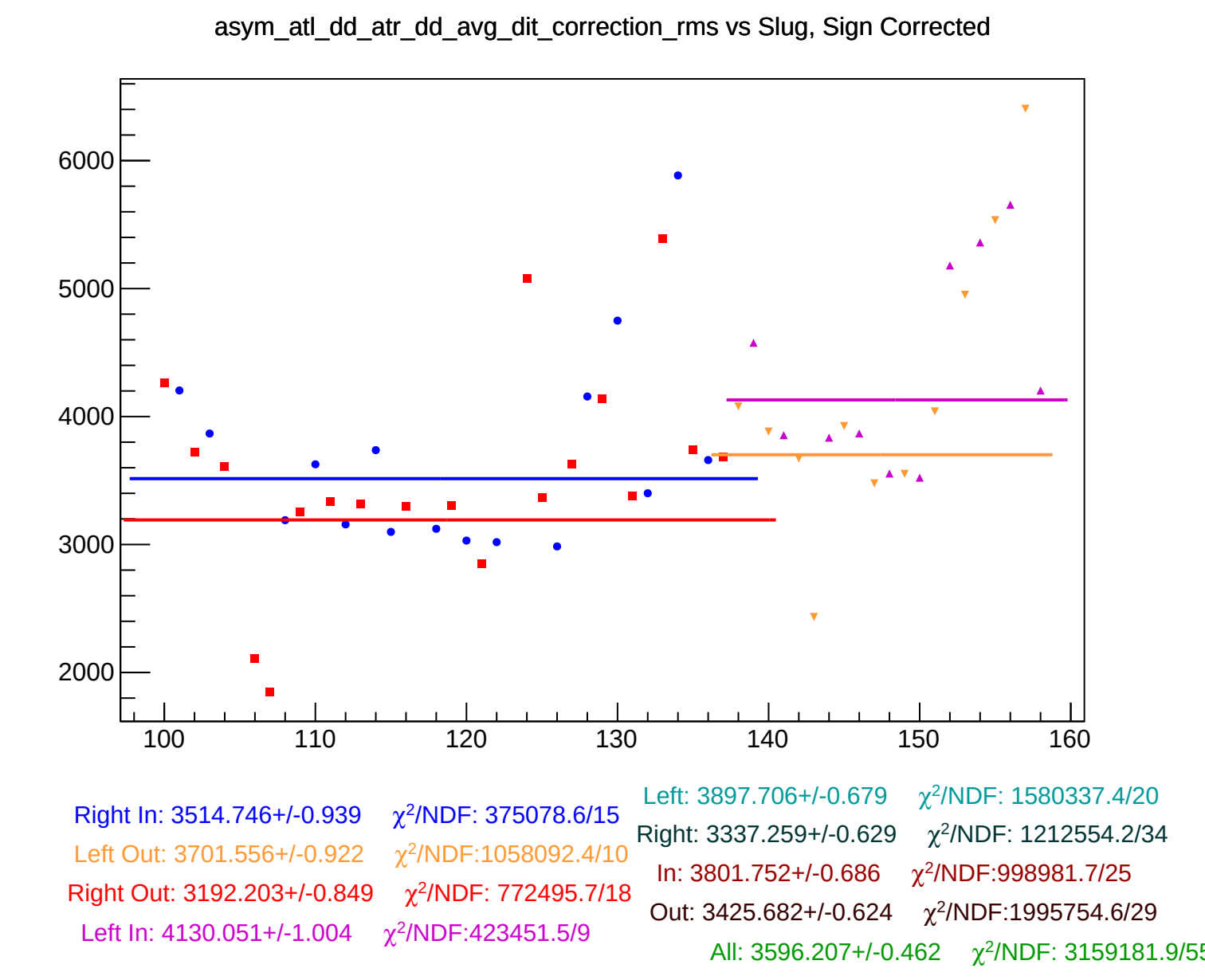
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -1402.344+/-1304.423 χ²/NDF:10.7/10
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -877.438+/-1419.681 χ²/NDF:4.5/9
Left: -1162.060+/-960.533 χ²/NDF: 15.2/20
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 62.417+/-969.597 χ²/NDF:19.4/25
Out: -631.610+/-883.146 χ²/NDF:28.2/29
All: -316.910+/-652.907 χ²/NDF: 47.8/55


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
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2000
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110
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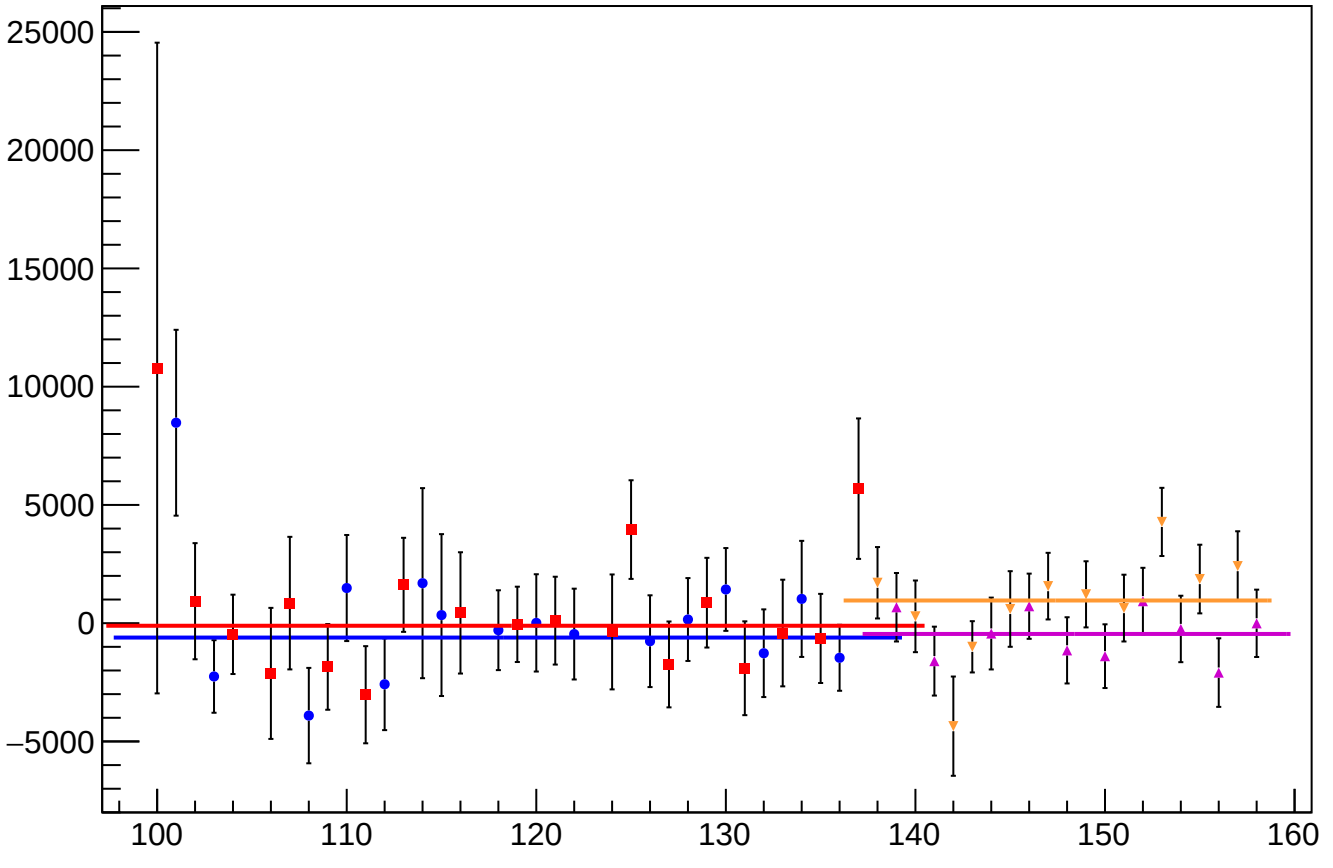
130
140
150
160
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3701.556+/-0.922 χ²/NDF:1058092.4/10
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4130.051+/-1.004 χ²/NDF:423451.5/9
Left: 3897.706+/-0.679 χ²/NDF: 1580337.4/20
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3801.752+/-0.686 χ²/NDF:998981.7/25
Out: 3425.682+/-0.624 χ²/NDF:1995754.6/29
All: 3596.207+/-0.462 χ²/NDF: 3159181.9/55



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.321+/-435.287 χ^2/NDF:17.1/10

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.549 χ^2/NDF:5.0/9

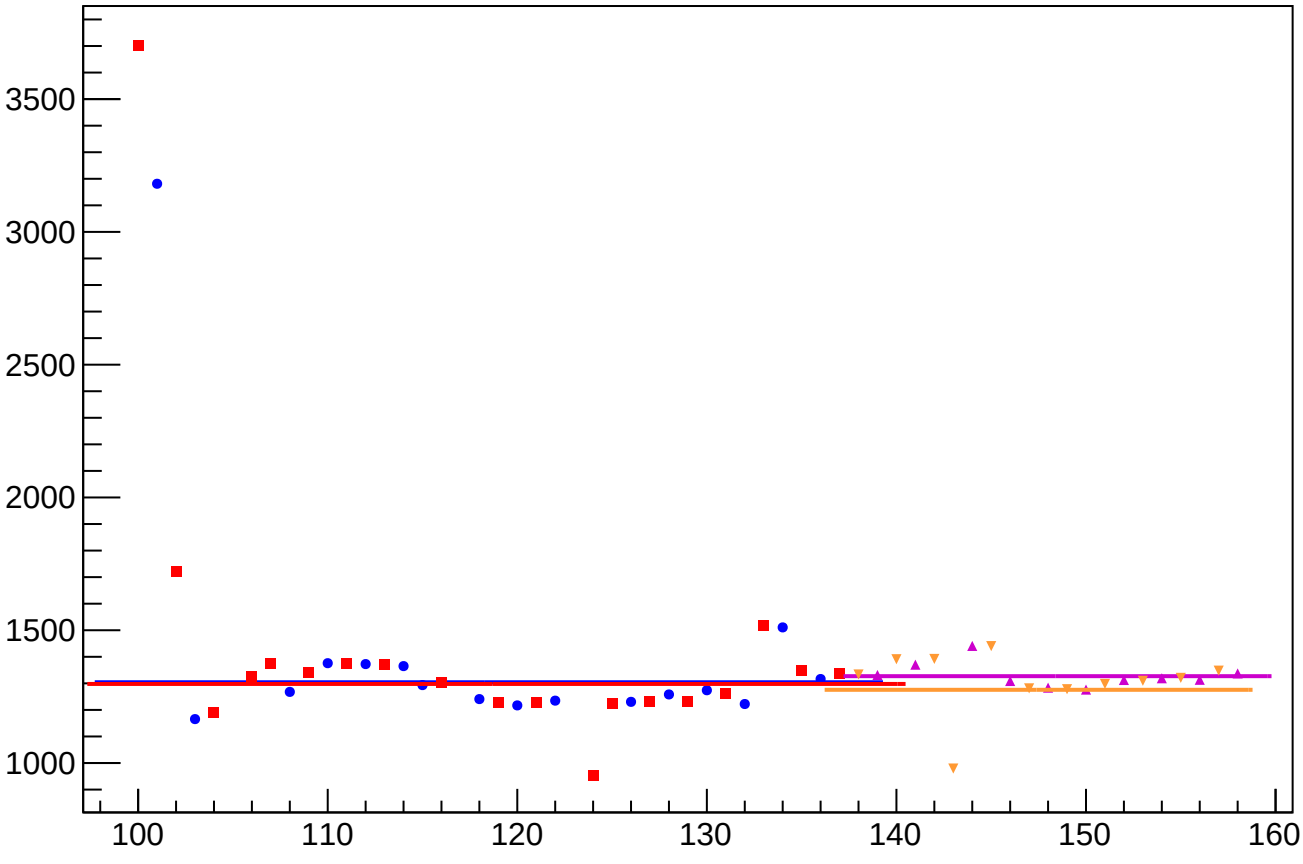
Left: 274.764+/-312.715 χ^2/NDF: 27.3/20

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -524.416+/-332.541 χ^2/NDF:19.2/25

Out: 483.473+/-324.113 χ^2/NDF:34.7/29

All: -7.538+/-232.105 χ^2/NDF: 58.6/55



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1275.711+/-0.308 χ^2/NDF:199772.7/10

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

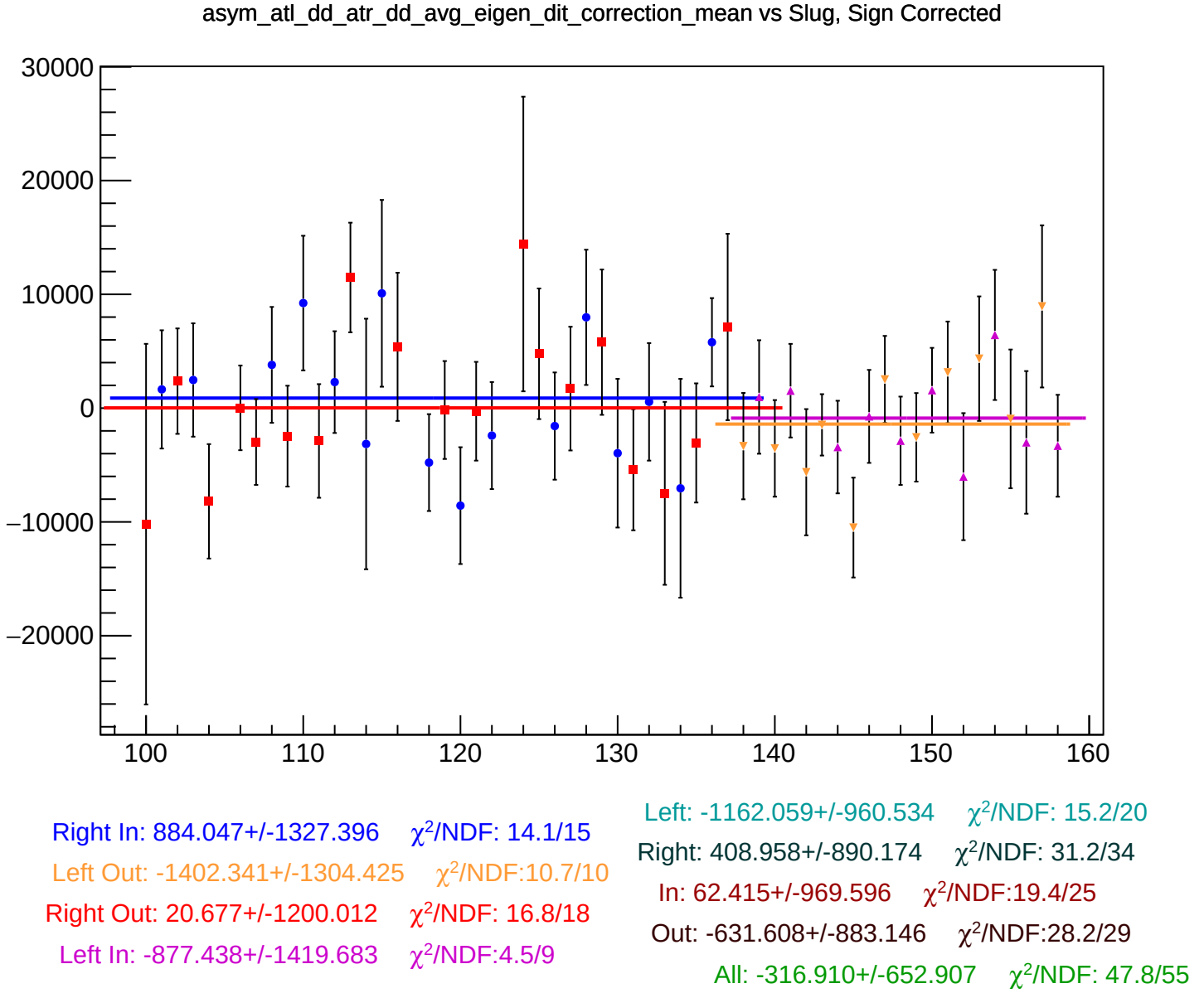
Left: 1300.559+/-0.221 χ^2/NDF: 231908.1/20

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.665+/-0.235 χ^2/NDF:531618.9/25

Out: 1285.560+/-0.229 χ^2/NDF:415165.6/29

All: 1300.708+/-0.164 χ^2/NDF: 955761.5/55


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
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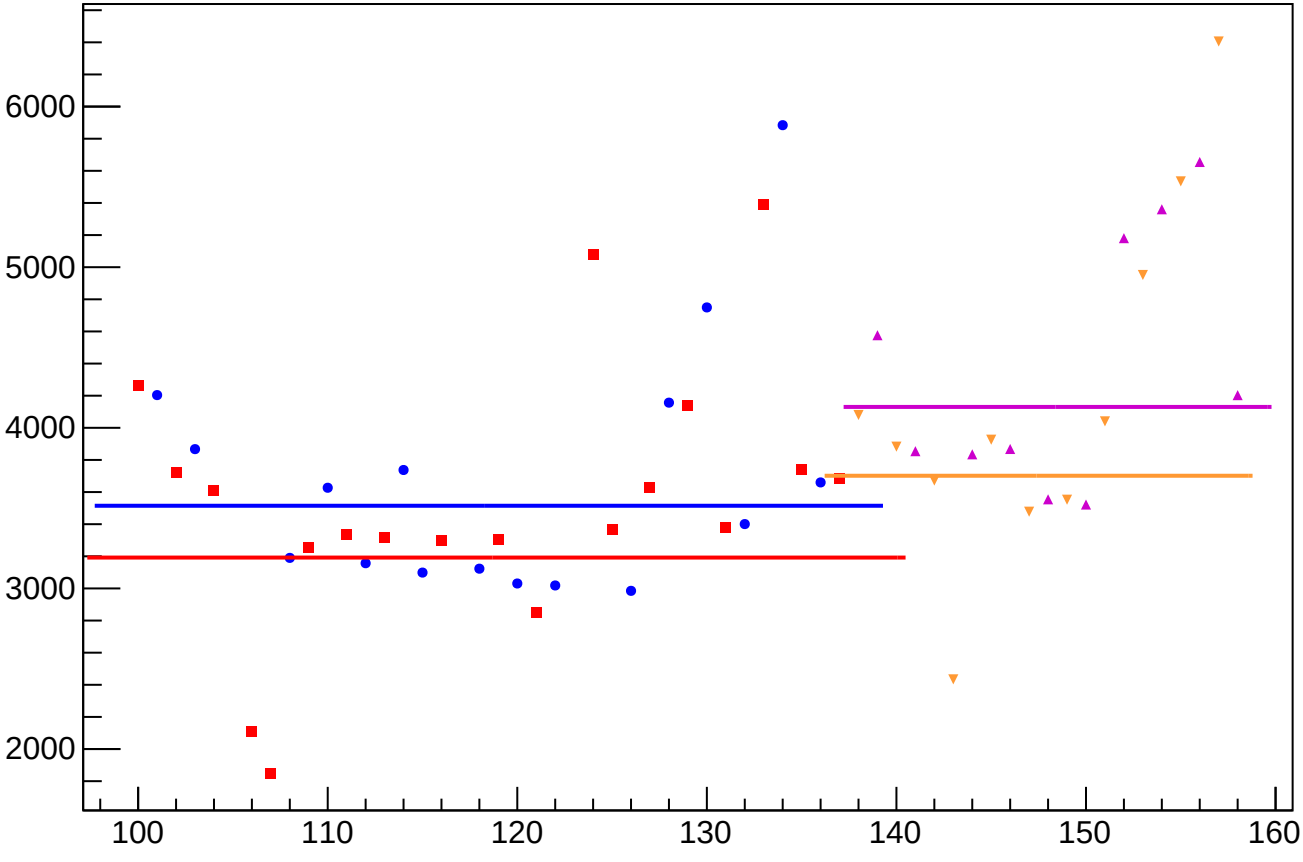
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -1402.341+/-1304.425 χ²/NDF:10.7/10
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -877.438+/-1419.683 χ²/NDF:4.5/9
Left: -1162.059+/-960.534 χ²/NDF: 15.2/20
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 62.415+/-969.596 χ²/NDF:19.4/25
Out: -631.608+/-883.146 χ²/NDF:28.2/29
All: -316.910+/-652.907 χ²/NDF: 47.8/55

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: 3701.561+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

Left: 3897.711+/-0.679 χ^2/NDF: 1580337.8/20

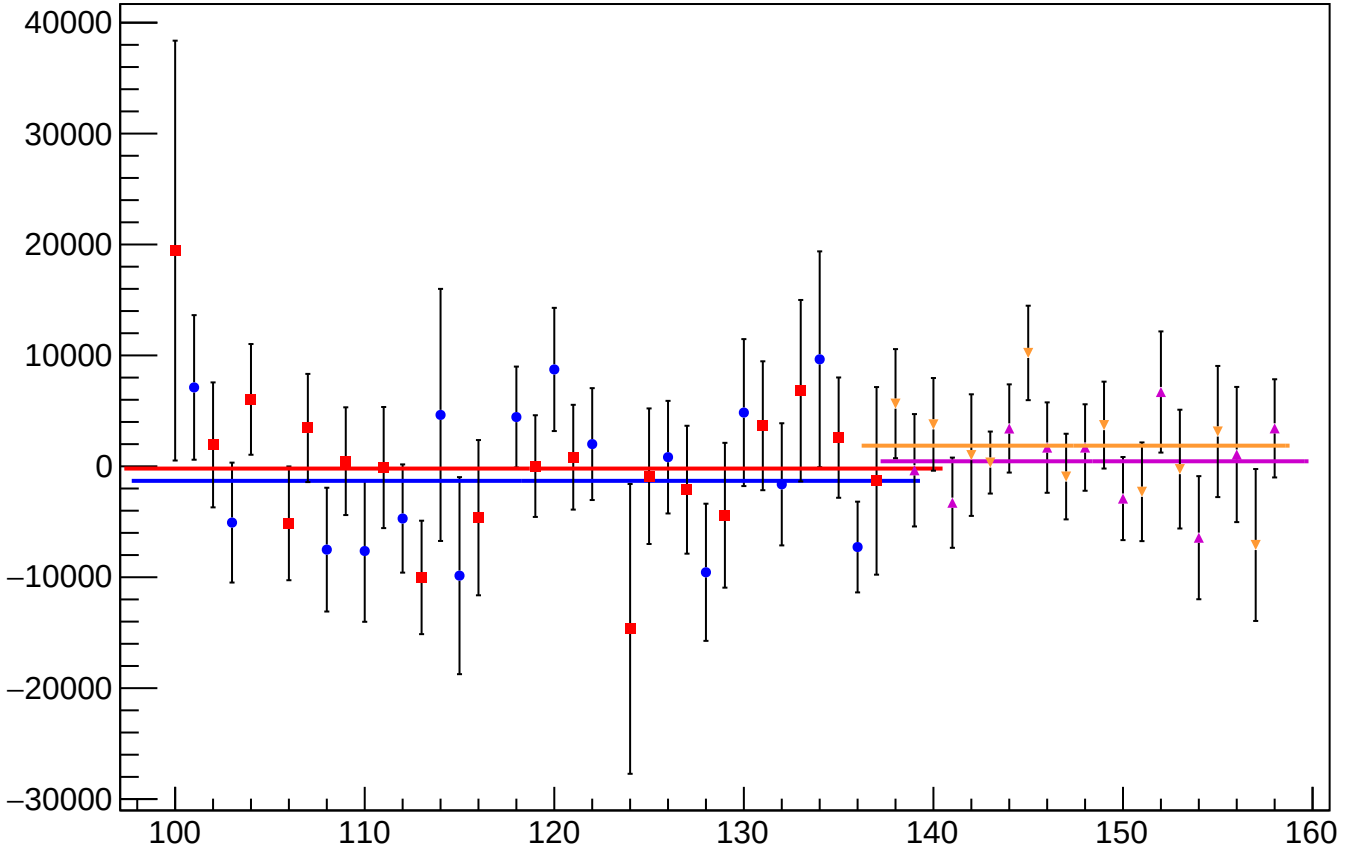
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3801.748+/-0.686 χ^2/NDF:998996.0/25

Out: 3425.679+/-0.624 χ^2/NDF:1995765.3/29

All: 3596.204+/-0.462 χ^2/NDF: 3159206.6/55

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1863.162+/-1310.041 χ^2/NDF:8.5/10

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 454.679+/-1408.822 χ^2/NDF:5.7/9

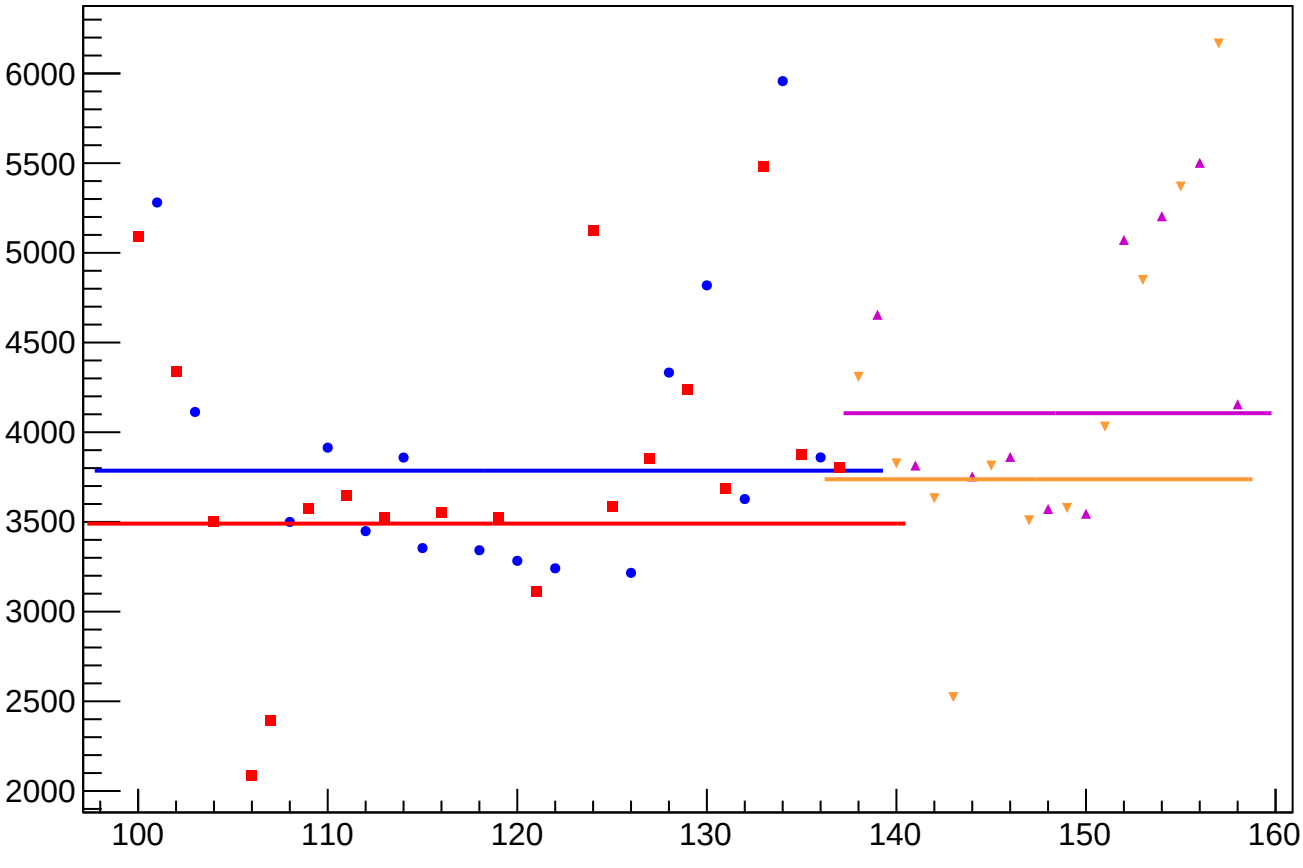
Left: 1210.026+/-959.362 χ^2/NDF: 14.8/20

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -413.176+/-1004.152 χ^2/NDF:24.1/25

Out: 851.087+/-935.403 χ^2/NDF:21.4/29

All: 263.712+/-684.445 χ^2/NDF: 46.3/55



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3737.868+/-0.926 χ^2/NDF:915896.8/10

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4105.999+/-0.996 χ^2/NDF:384869.6/9

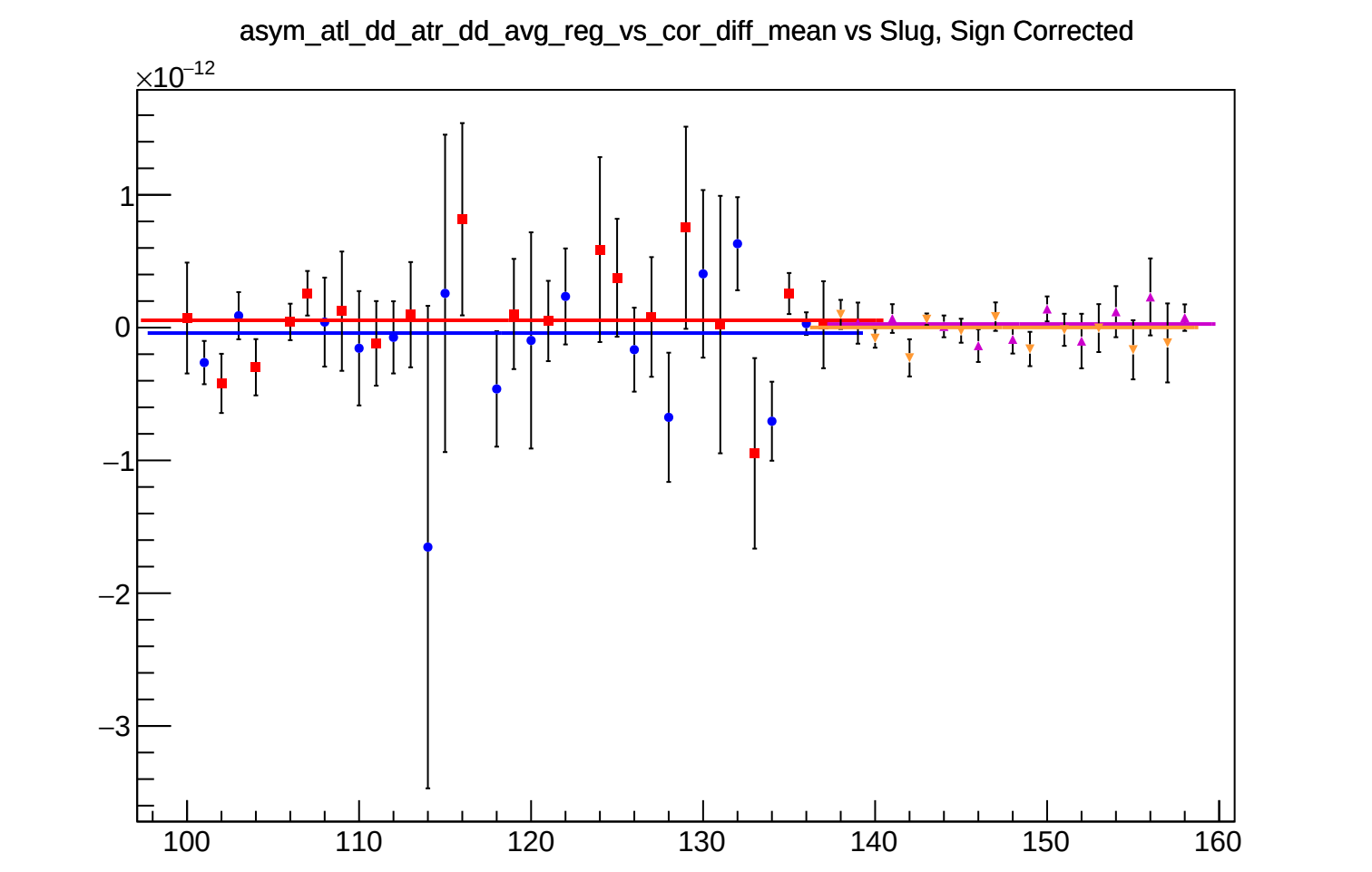
Left: 3908.576+/-0.678 χ^2/NDF: 1374001.0/20

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3948.455+/-0.710 χ^2/NDF:818698.8/25

Out: 3614.975+/-0.657 χ^2/NDF:1538022.3/29

All: 3768.787+/-0.482 χ^2/NDF: 2475564.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

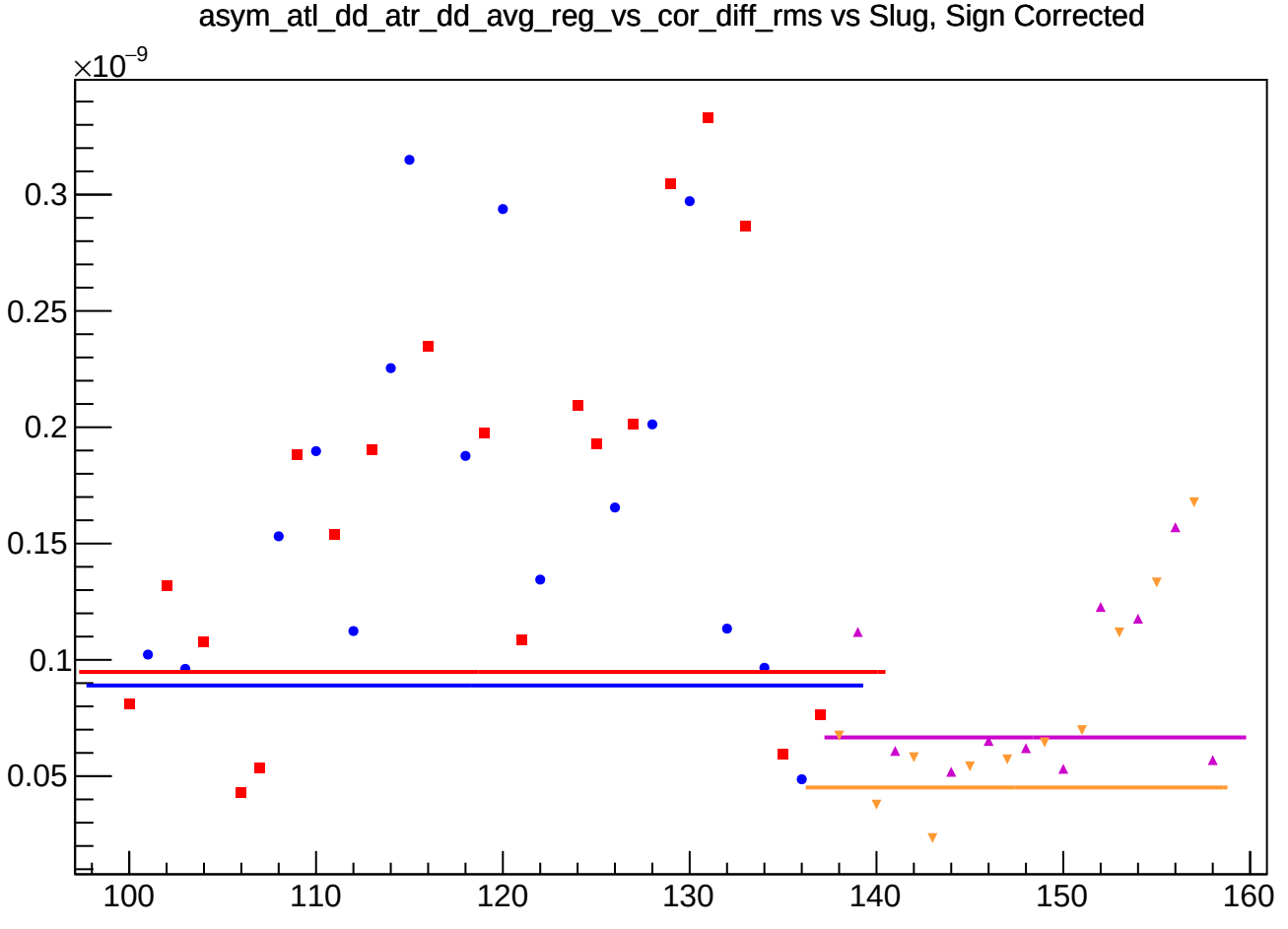
Left: 0.000+/-0.000 χ^2/NDF: 15.9/20

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:23.5/25

Out: 0.000+/-0.000 χ^2/NDF:26.2/29

All: 0.000+/-0.000 χ^2/NDF: 49.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710752.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

Left: 0.000+/-0.000 χ^2/NDF: 2918867.1/20

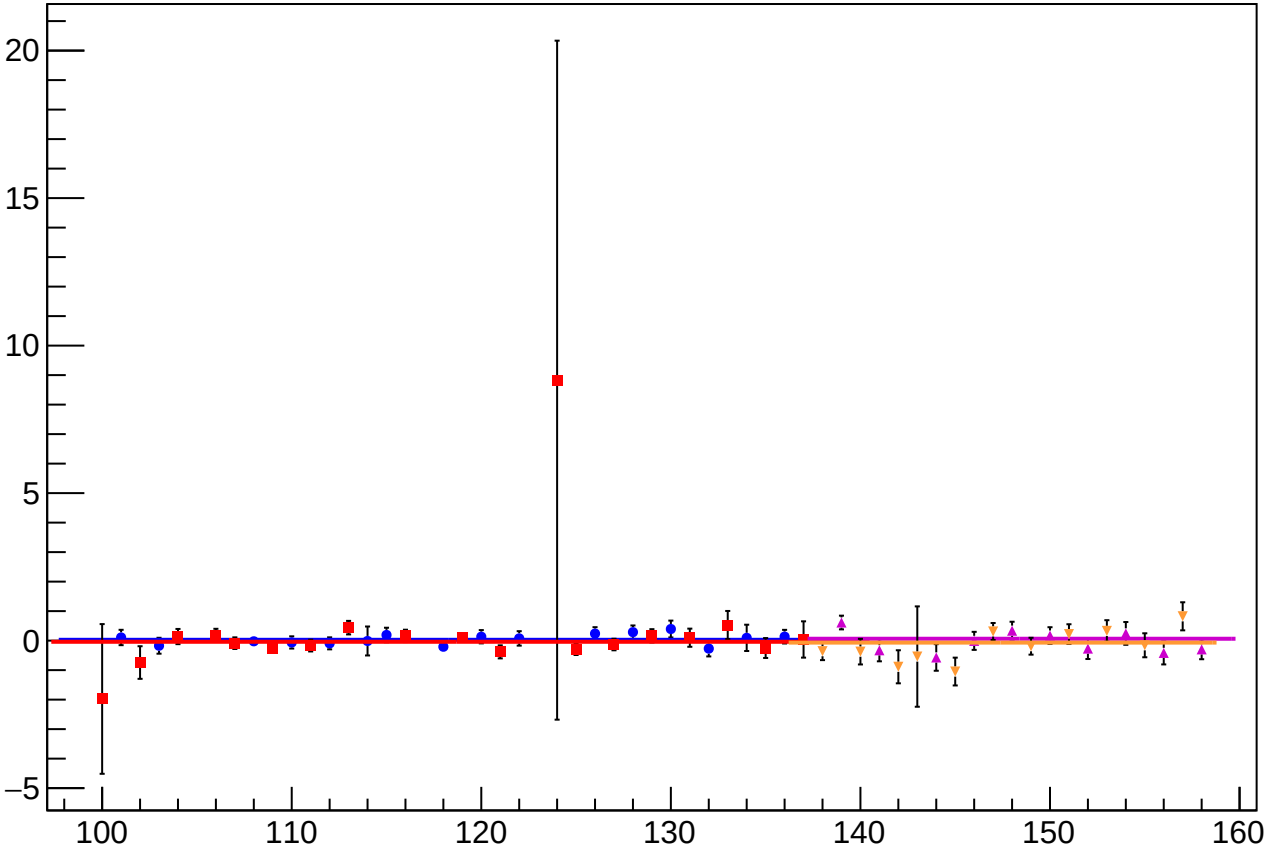
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2455064.9/25

Out: 0.000+/-0.000 χ^2/NDF:4454175.5/29

All: 0.000+/-0.000 χ^2/NDF: 7380104.0/55

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

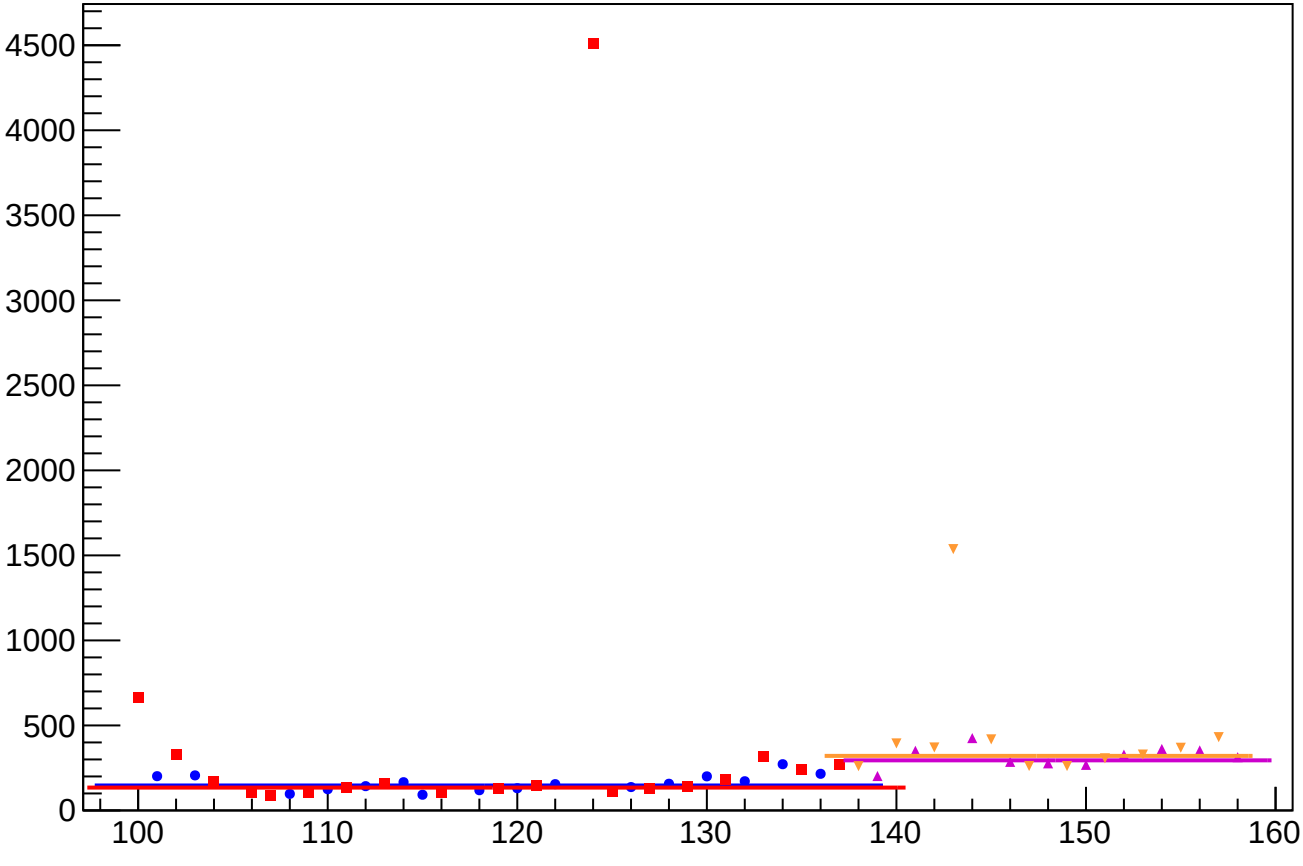
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

Left: 306.328+/-0.054 χ^2/NDF: 2312574.3/20

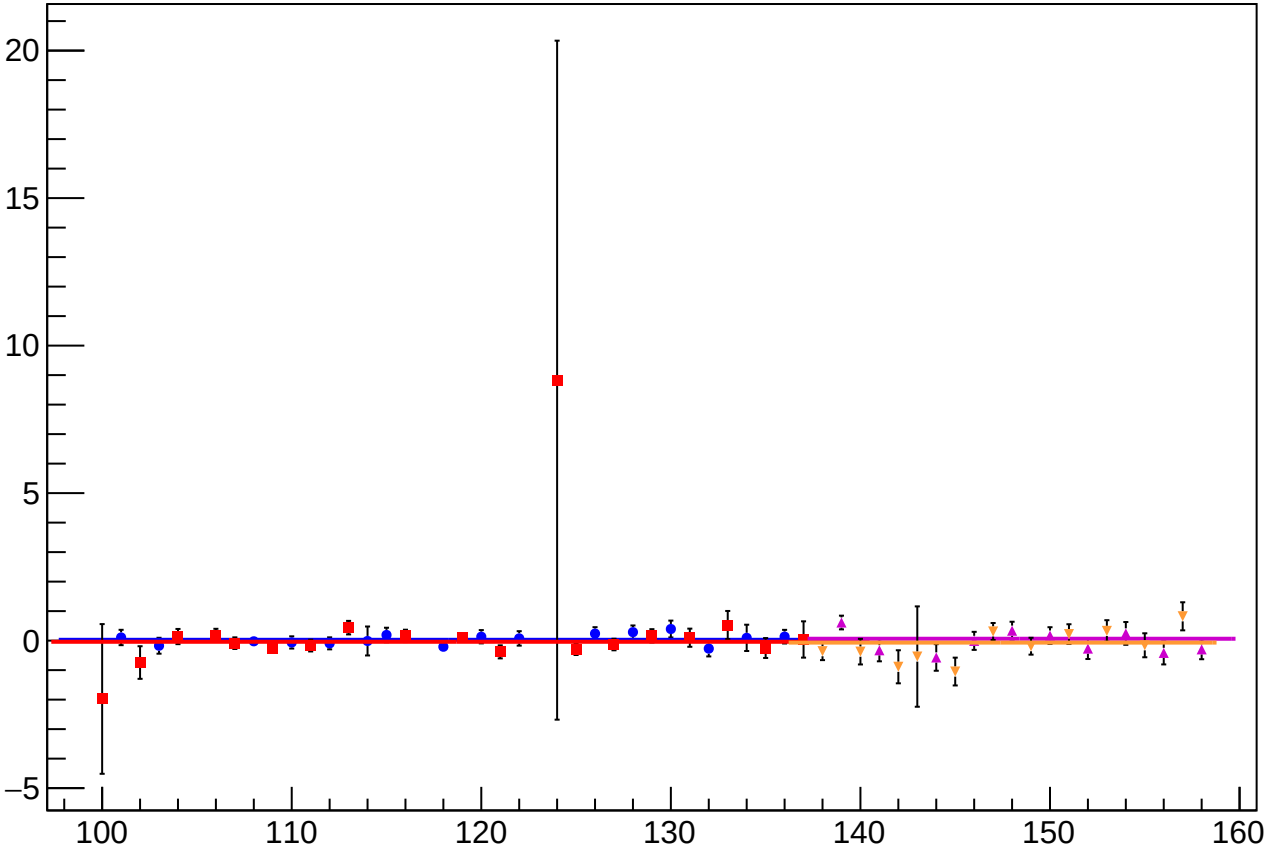
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 168.949+/-0.035 χ^2/NDF:7457947.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

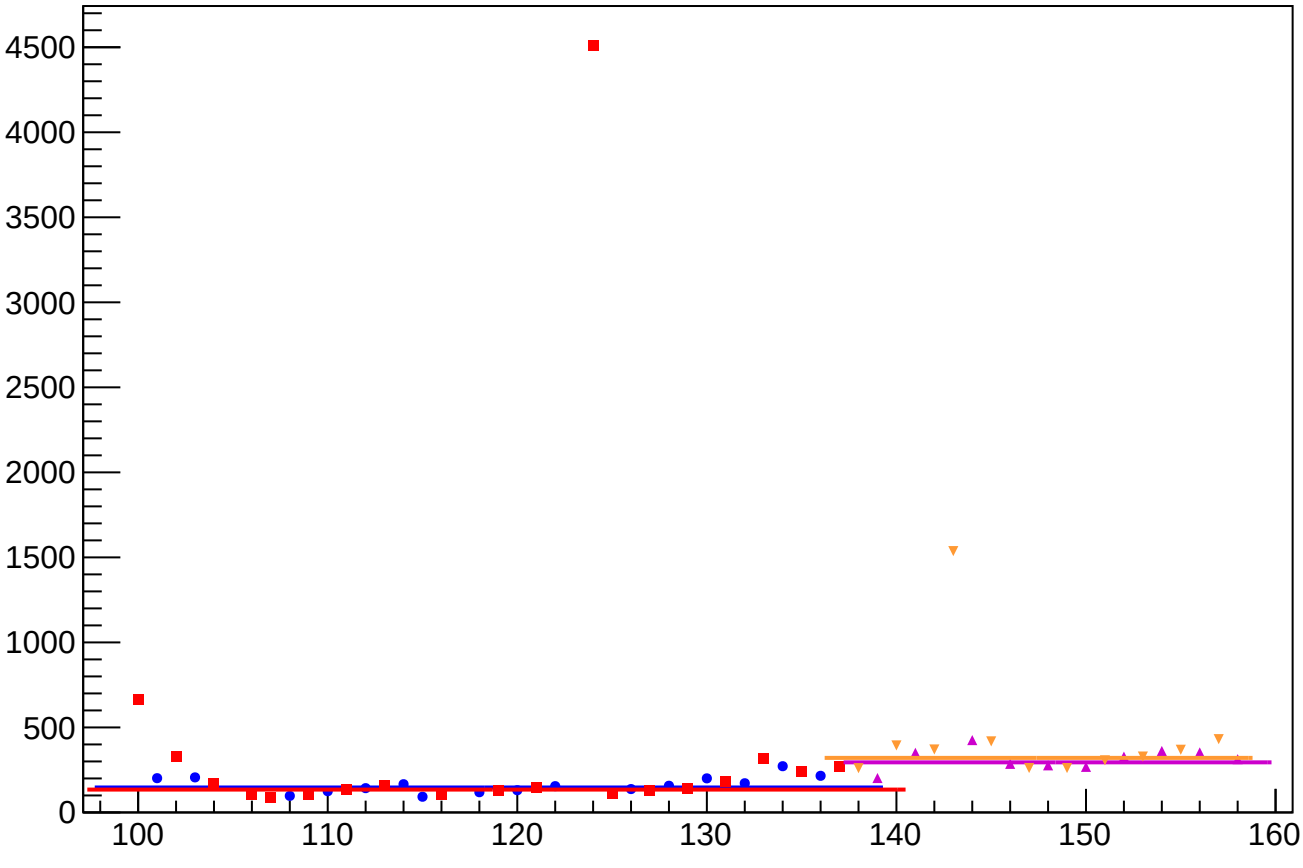
Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

Left: 306.328+/-0.054 χ^2/NDF: 2312574.3/20

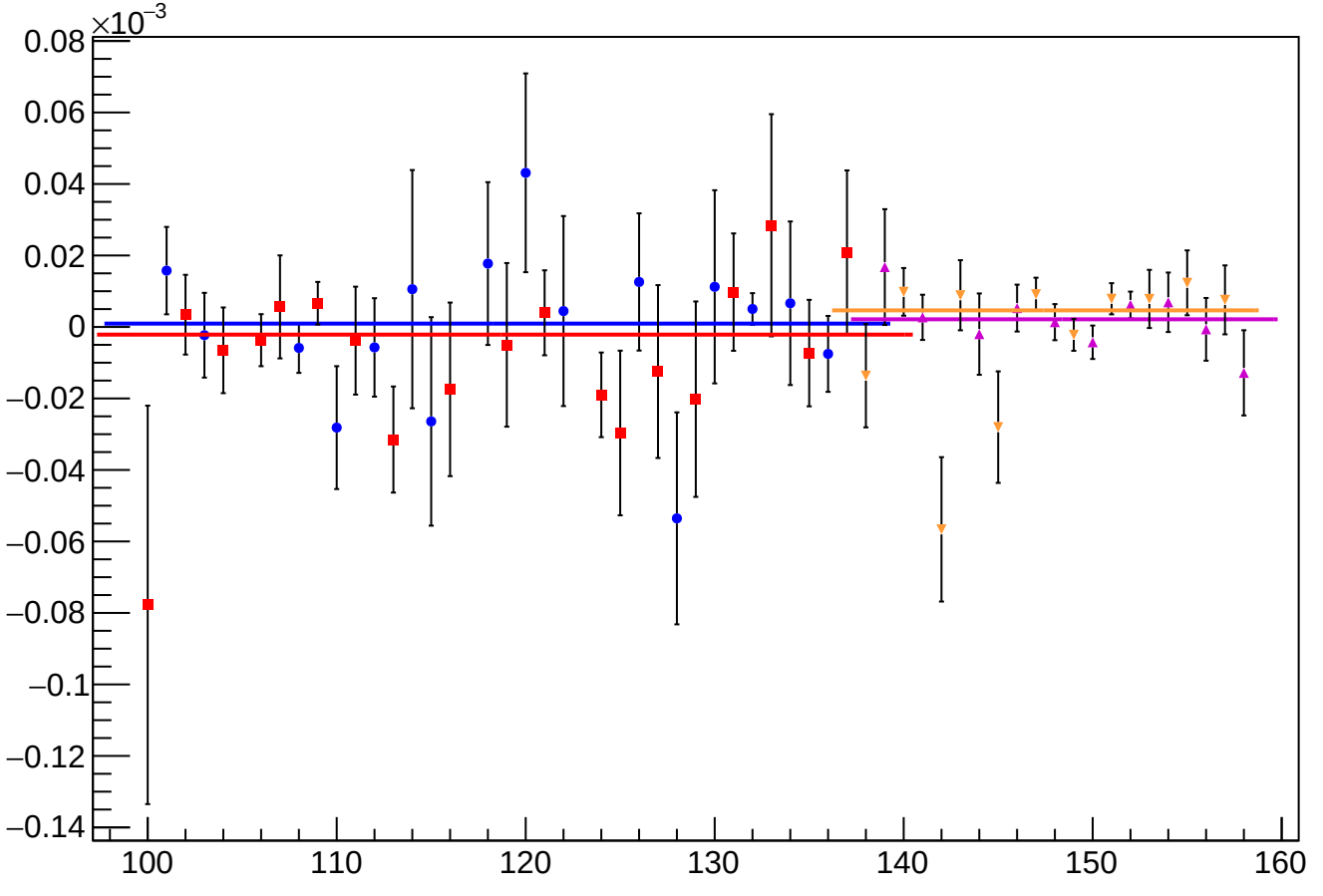
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 168.949+/-0.035 χ^2/NDF:7457947.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

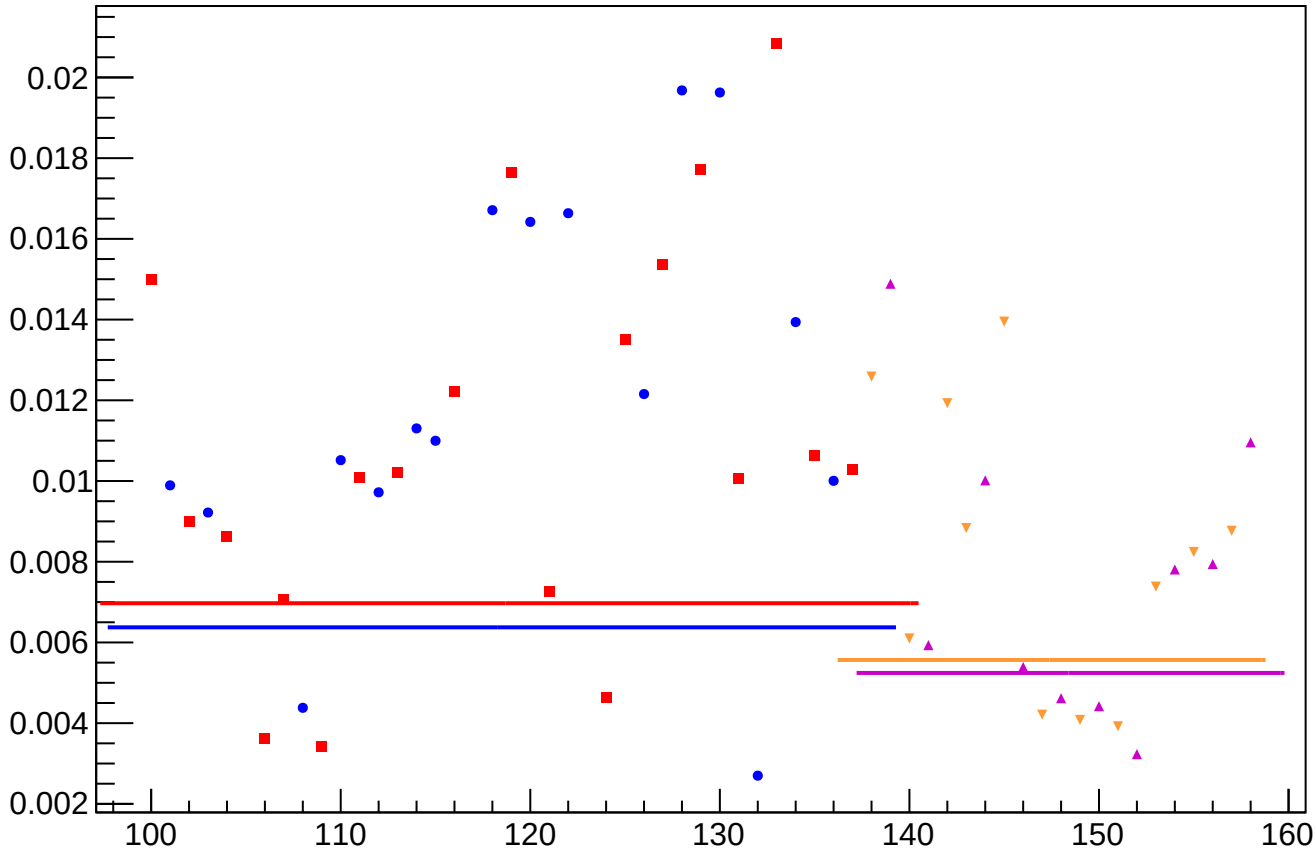
Left: 0.000+/-0.000 χ^2/NDF: 27.8/20

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:21.2/25

Out: 0.000+/-0.000 χ^2/NDF:40.3/29

All: 0.000+/-0.000 χ^2/NDF: 61.6/55



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:2653767.7/10

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

Left: 0.005+/-0.000 χ^2/NDF: 5276555.0/20

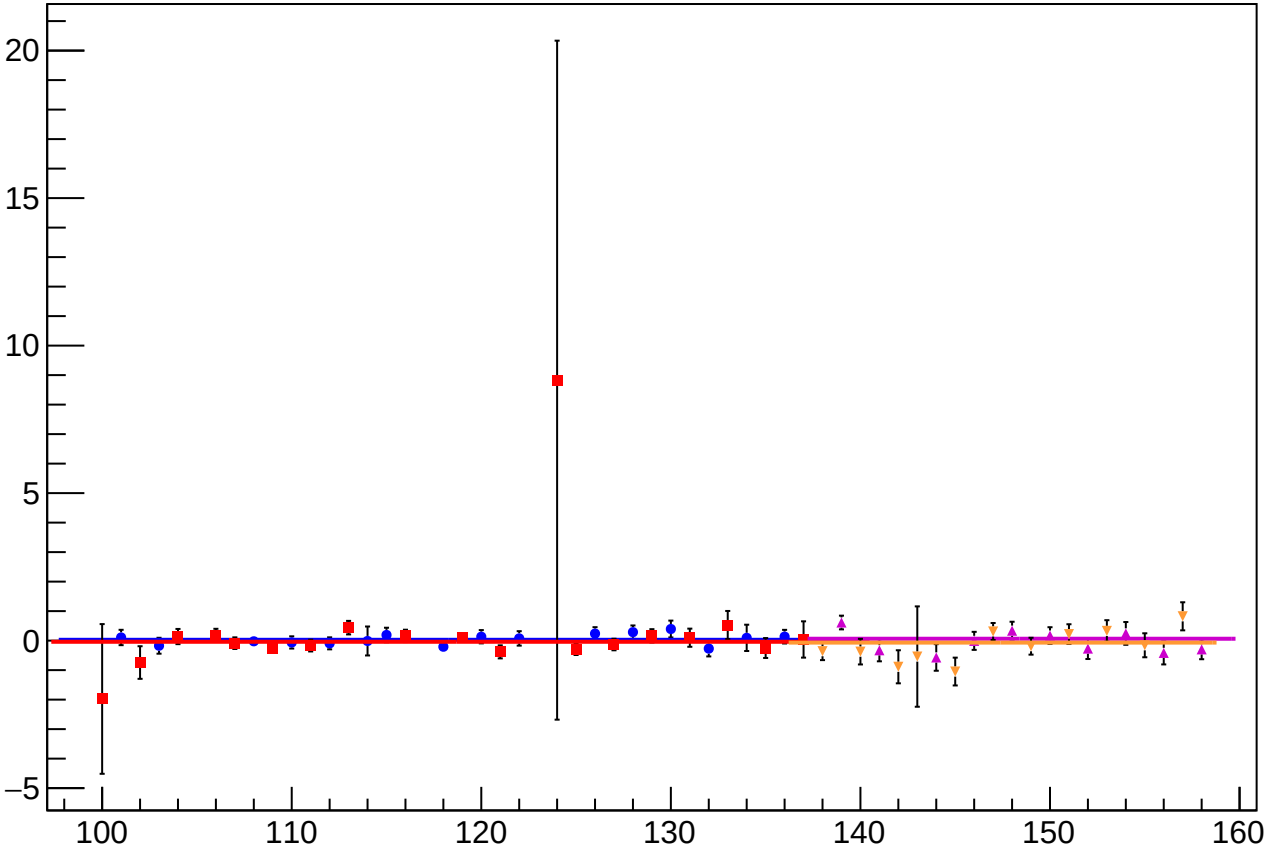
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7441049.1/25

Out: 0.006+/-0.000 χ^2/NDF:6358575.8/29

All: 0.006+/-0.000 χ^2/NDF: 13860907.8/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

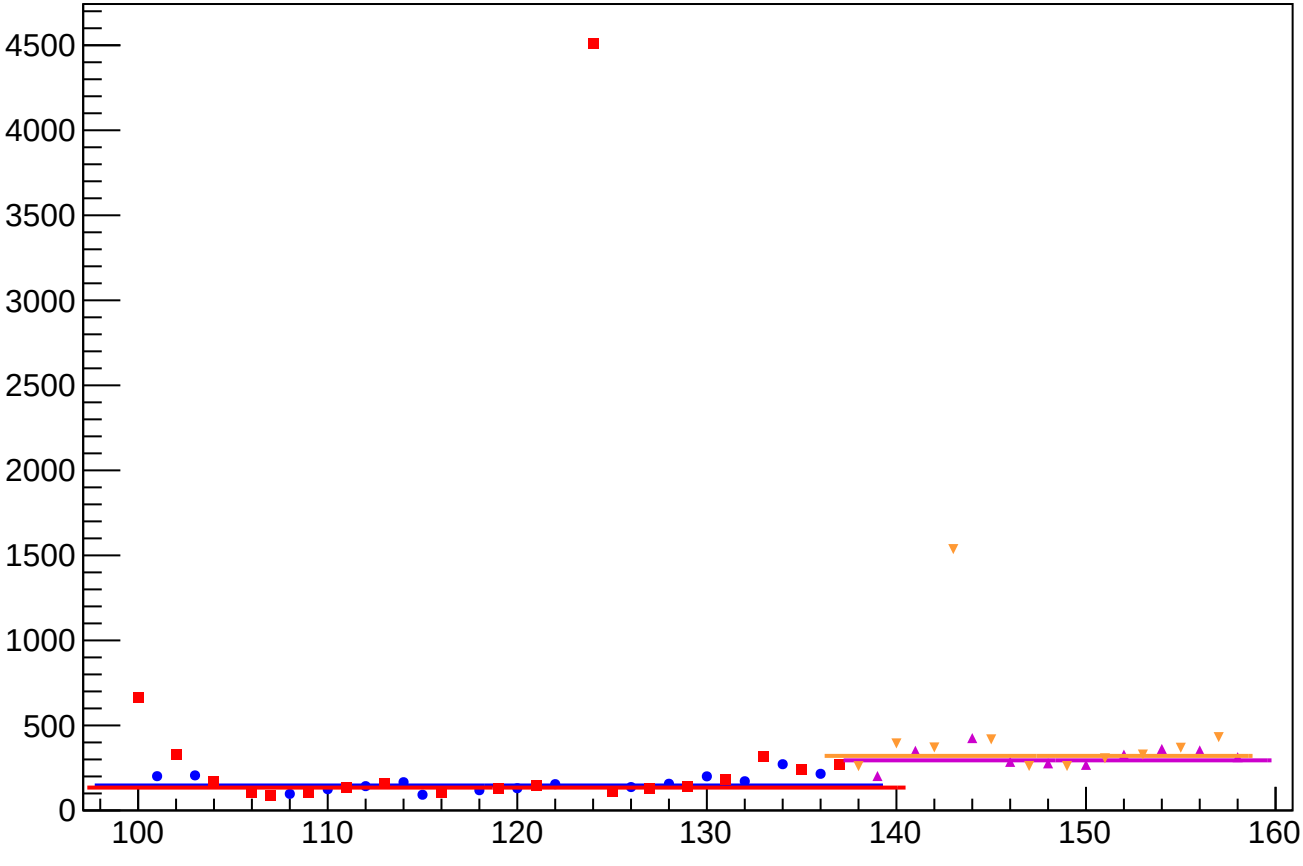
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

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: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

Left: 306.332+/-0.054 χ^2/NDF: 2312554.5/20

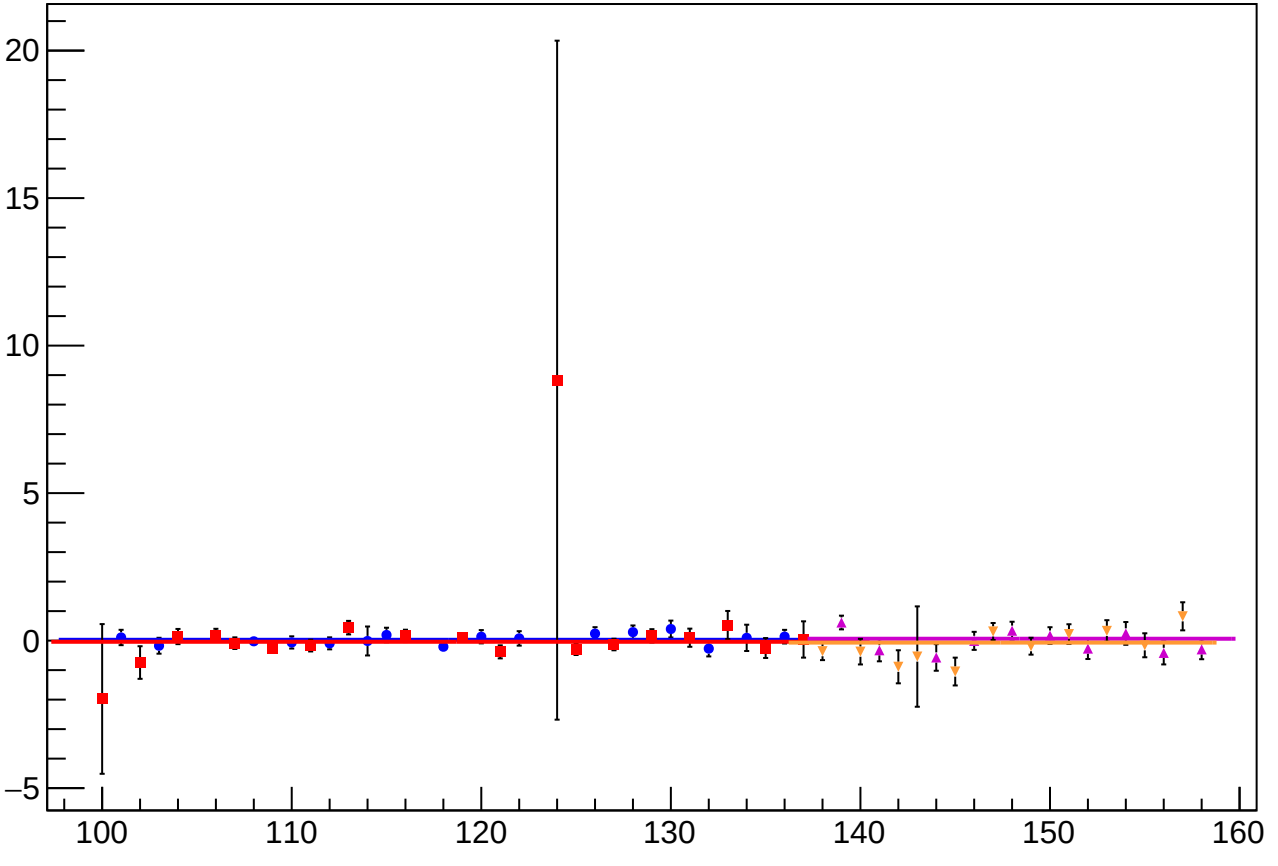
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 168.951+/-0.035 χ^2/NDF:7457894.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

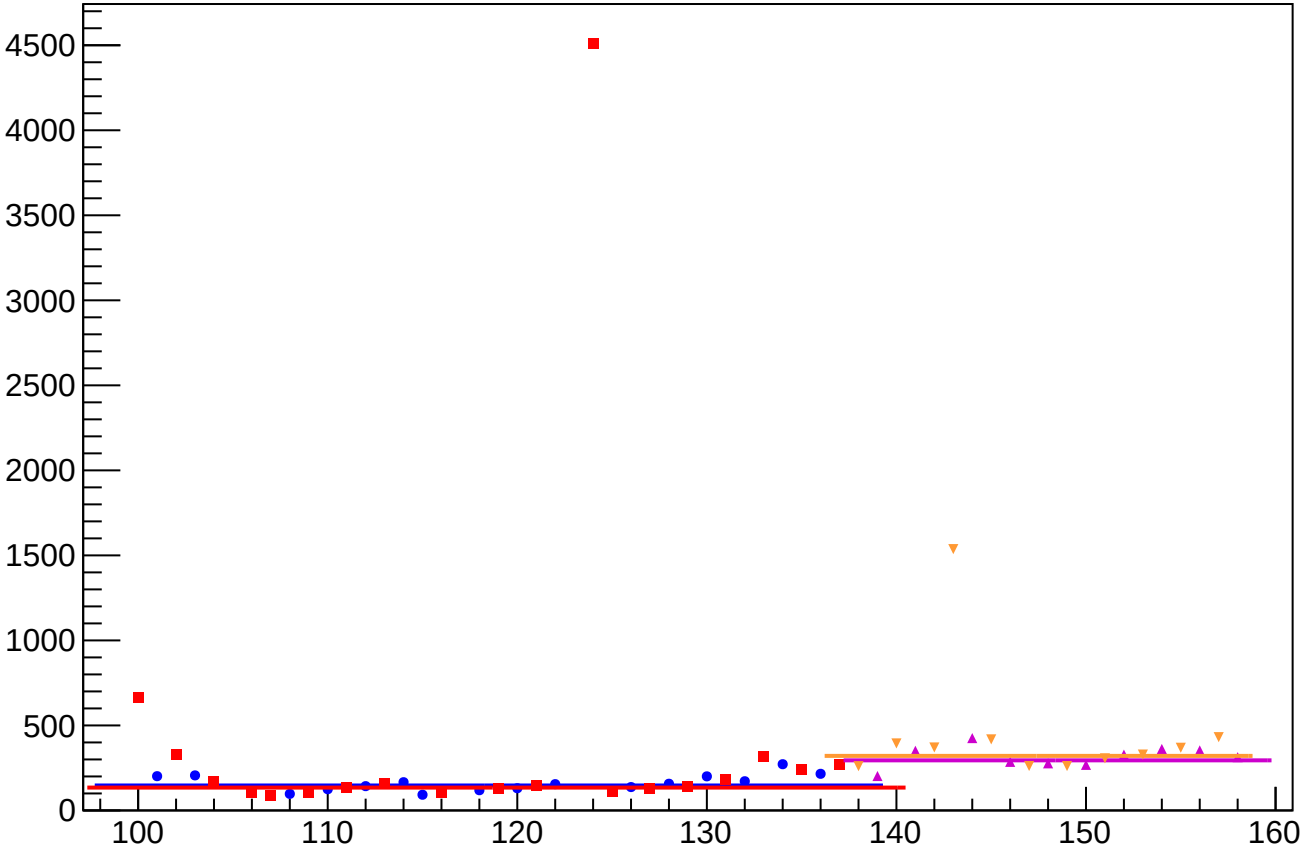
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

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: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

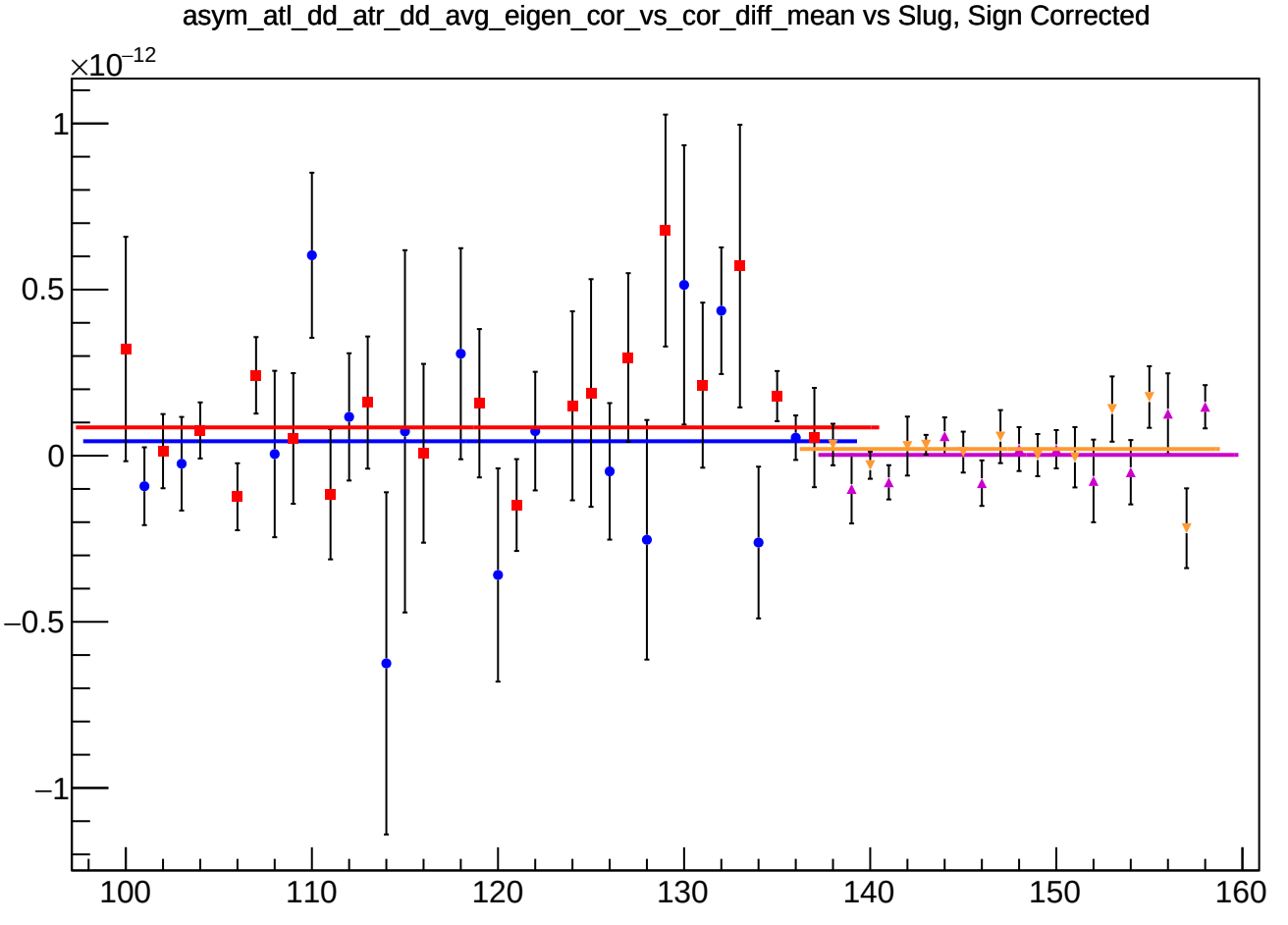
Left: 306.332+/-0.054 χ^2/NDF: 2312554.5/20

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 168.951+/-0.035 χ^2/NDF:7457894.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/9

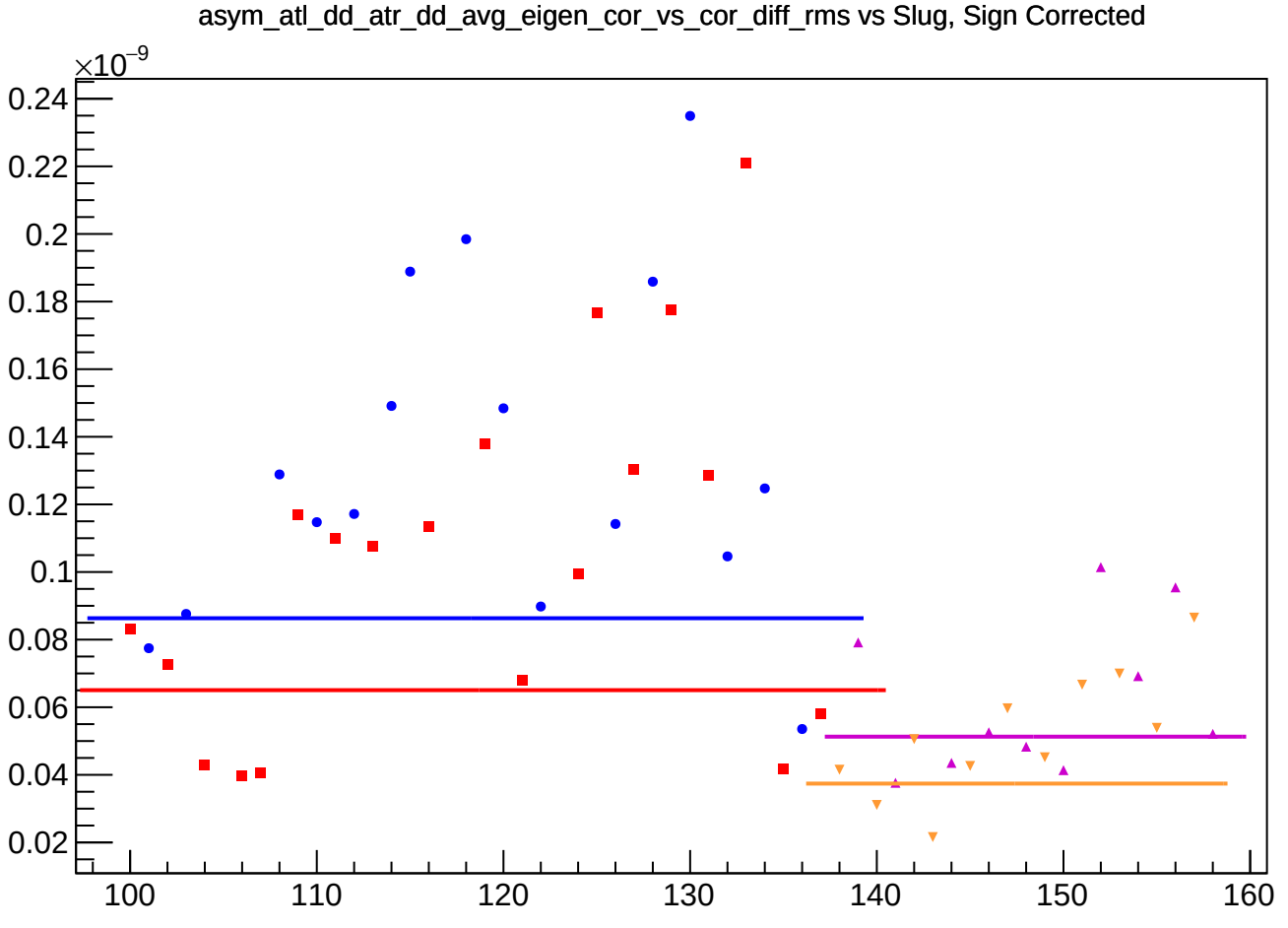
Left: 0.000+/-0.000 χ^2/NDF: 23.6/20

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:32.6/25

Out: 0.000+/-0.000 χ^2/NDF:31.4/29

All: 0.000+/-0.000 χ^2/NDF: 64.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696147.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

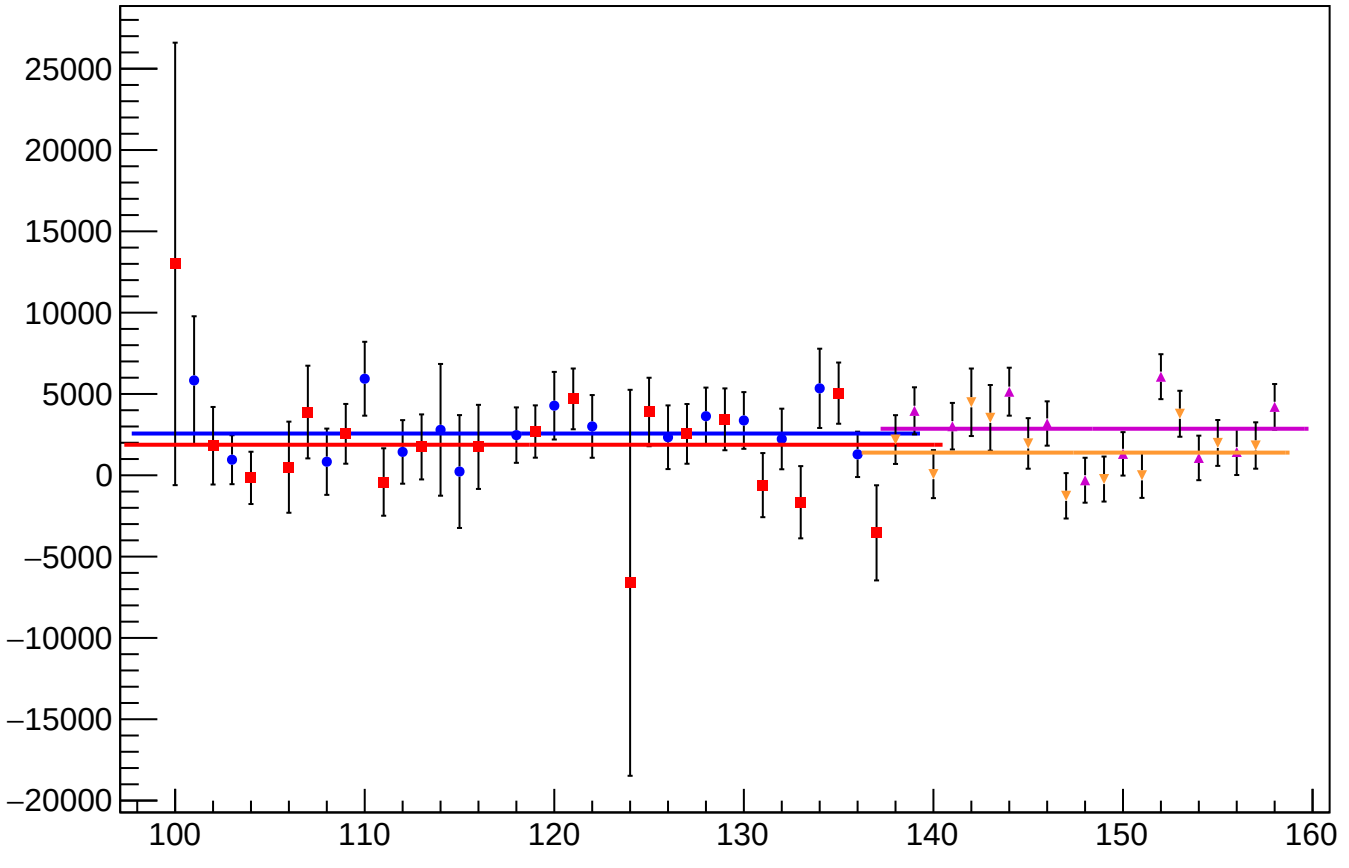
Left: 0.000+/-0.000 χ^2/NDF: 3214314.4/20

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3664712.7/25

Out: 0.000+/-0.000 χ^2/NDF:4884436.2/29

All: 0.000+/-0.000 χ^2/NDF: 9309610.2/55



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1394.469+/-454.377 χ^2/NDF:13.7/10

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2861.562+/-442.330 χ^2/NDF:18.6/9

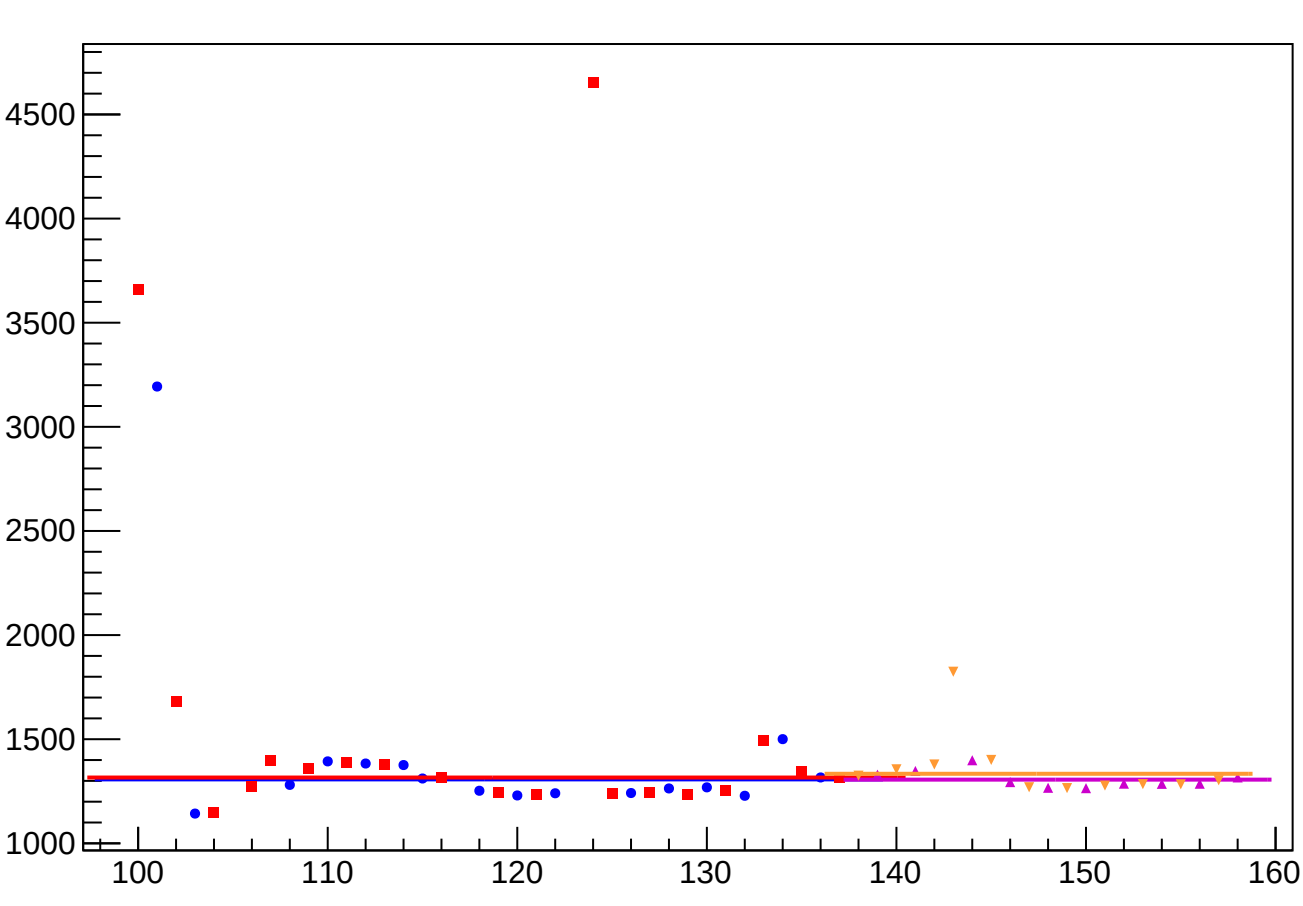
Left: 2147.721+/-316.948 χ^2/NDF: 37.7/20

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2731.092+/-329.937 χ^2/NDF:27.9/25

Out: 1615.732+/-334.648 χ^2/NDF:33.8/29

All: 2181.317+/-234.948 χ^2/NDF: 67.3/55



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1333.994+/-0.321 χ^2/NDF:141436.9/10

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

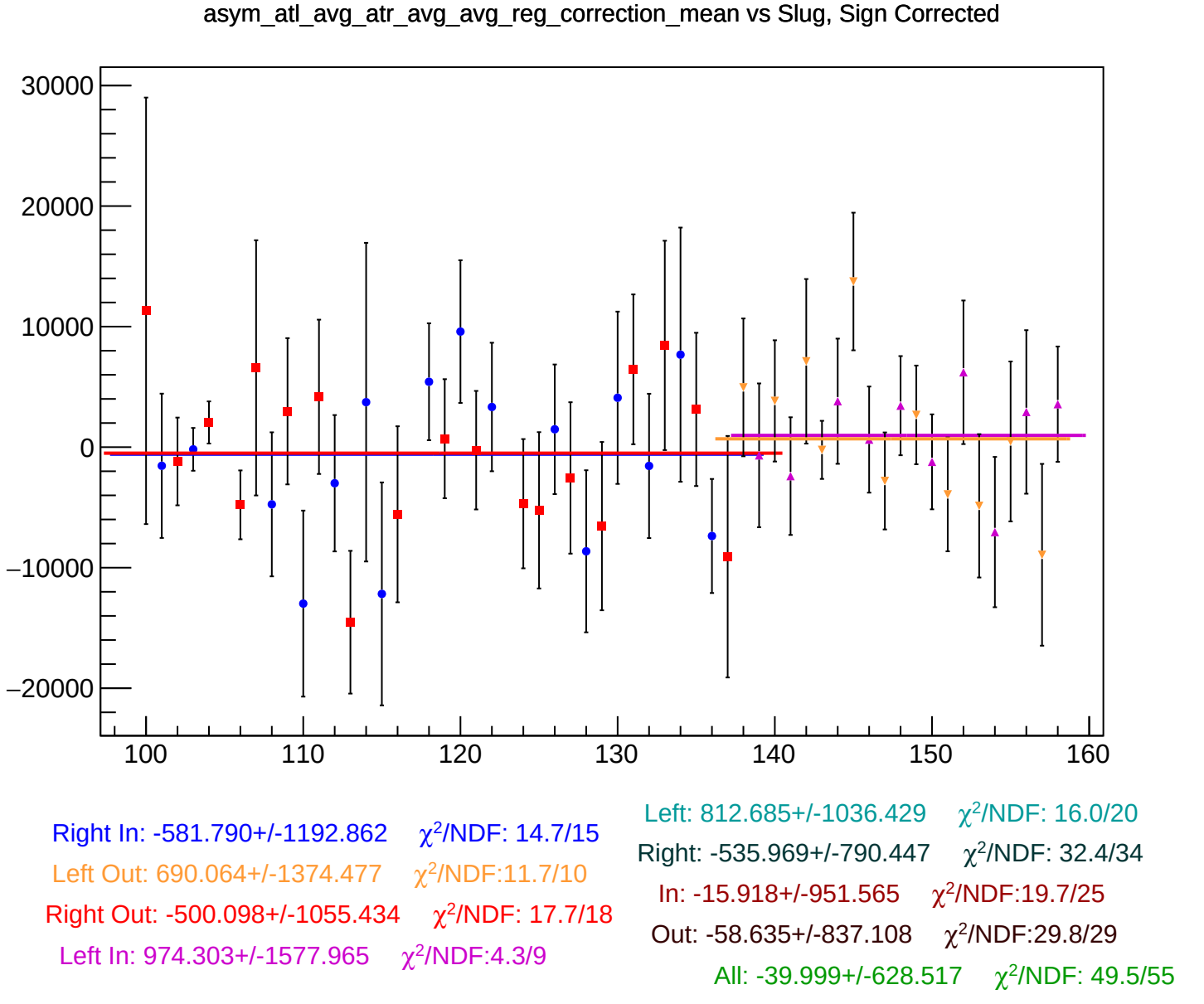
Left: 1319.554+/-0.224 χ^2/NDF: 160537.3/20

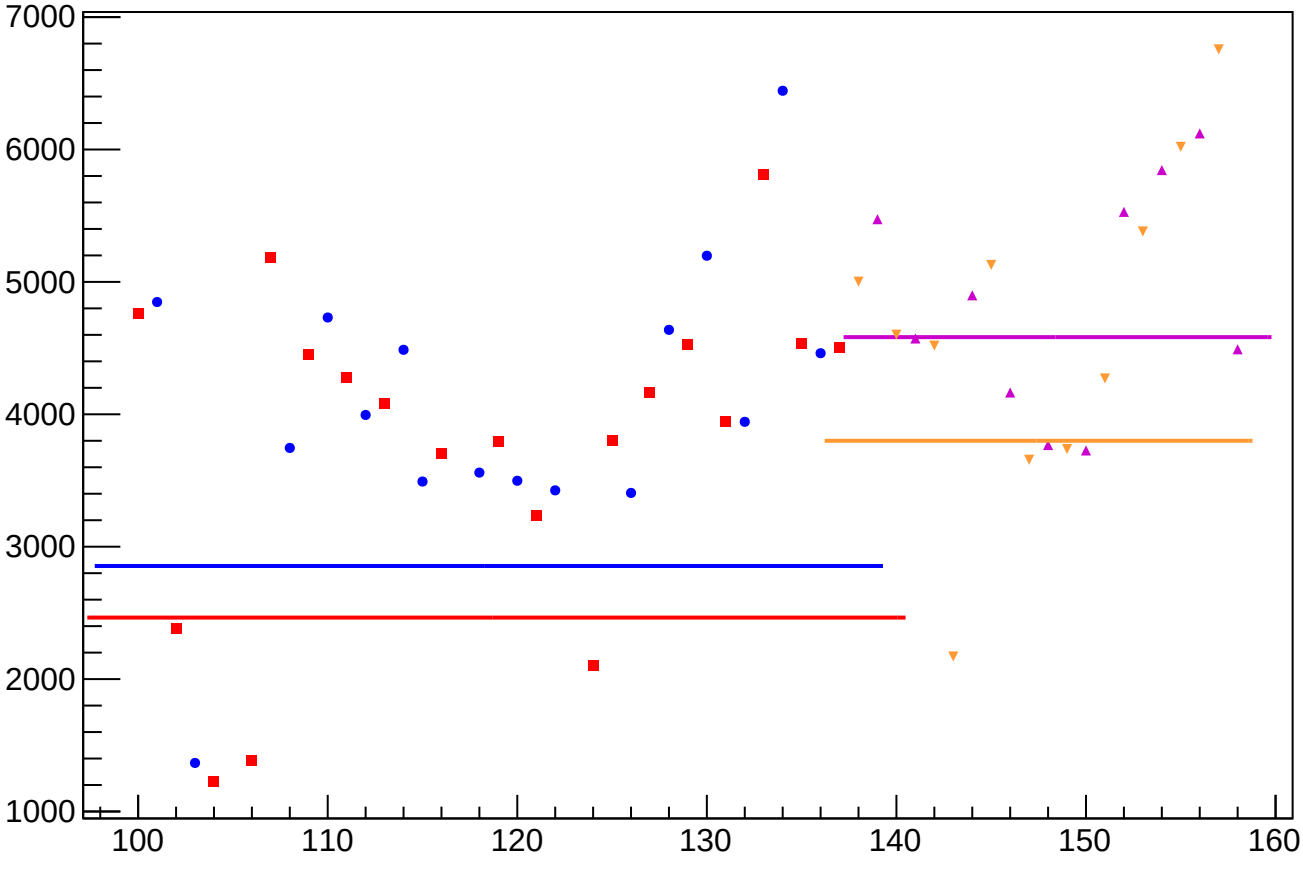
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1306.401+/-0.233 χ^2/NDF:531421.6/25

Out: 1325.736+/-0.236 χ^2/NDF:469296.5/29

All: 1315.943+/-0.166 χ^2/NDF: 1004107.8/55


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -581.790+/-1192.862 χ²/NDF: 14.7/15
Left Out: 690.064+/-1374.477 χ²/NDF:11.7/10
Right Out: -500.098+/-1055.434 χ²/NDF: 17.7/18
Left In: 974.303+/-1577.965 χ²/NDF:4.3/9
Left: 812.685+/-1036.429 χ²/NDF: 16.0/20
Right: -535.969+/-790.447 χ²/NDF: 32.4/34
In: -15.918+/-951.565 χ²/NDF:19.7/25
Out: -58.635+/-837.108 χ²/NDF:29.8/29
All: -39.999+/-628.517 χ²/NDF: 49.5/55



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3800.045+/-0.972 χ^2/NDF:1879154.2/10

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4582.832+/-1.116 χ^2/NDF:479010.2/9

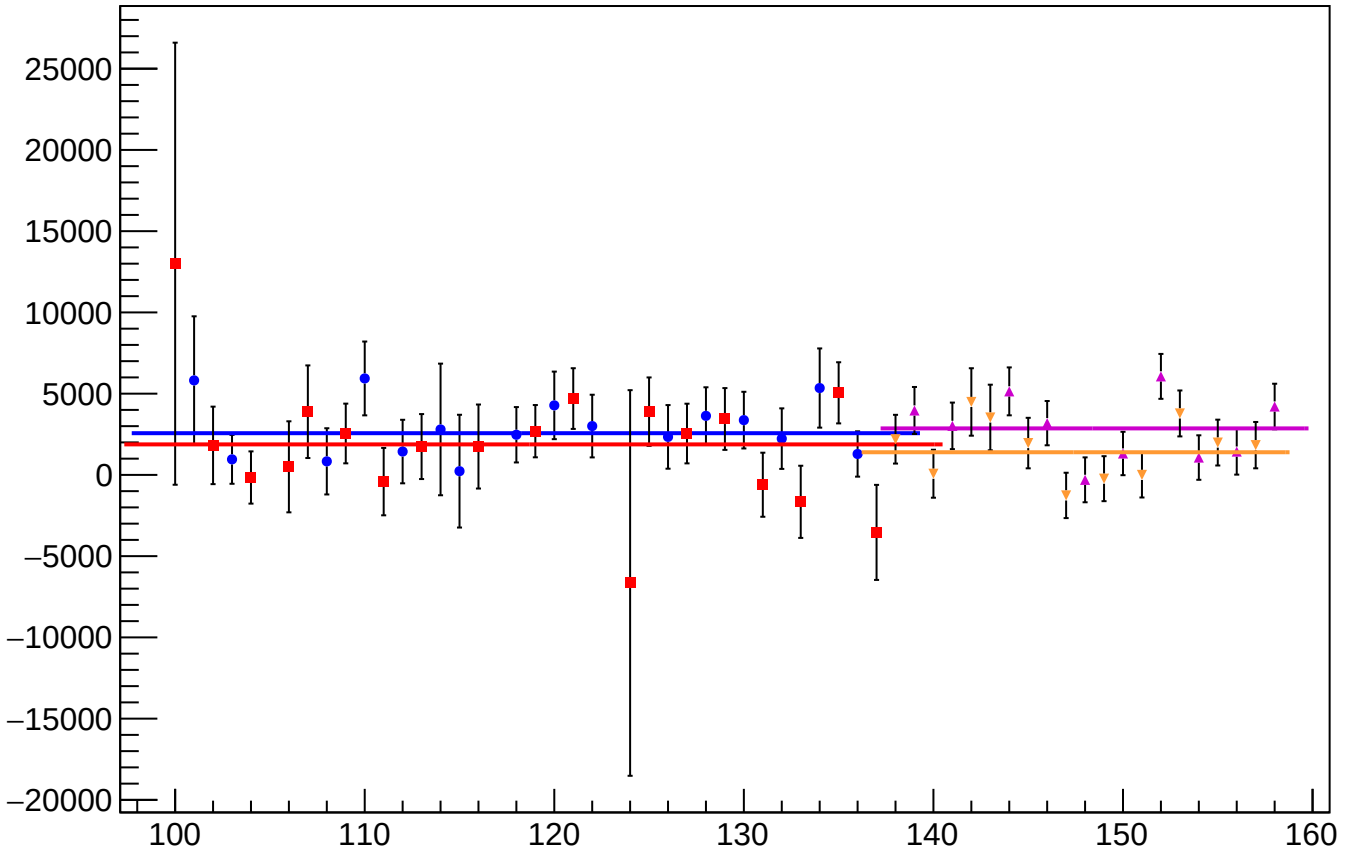
Left: 4137.742+/-0.733 χ^2/NDF: 2638015.3/20

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3482.879+/-0.673 χ^2/NDF:4911001.9/25

Out: 2959.948+/-0.592 χ^2/NDF:6422817.3/29

All: 3188.088+/-0.444 χ^2/NDF: 11674315.2/5



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1394.431+/-454.377 χ^2/NDF:13.7/10

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2861.700+/-442.330 χ^2/NDF:18.6/9

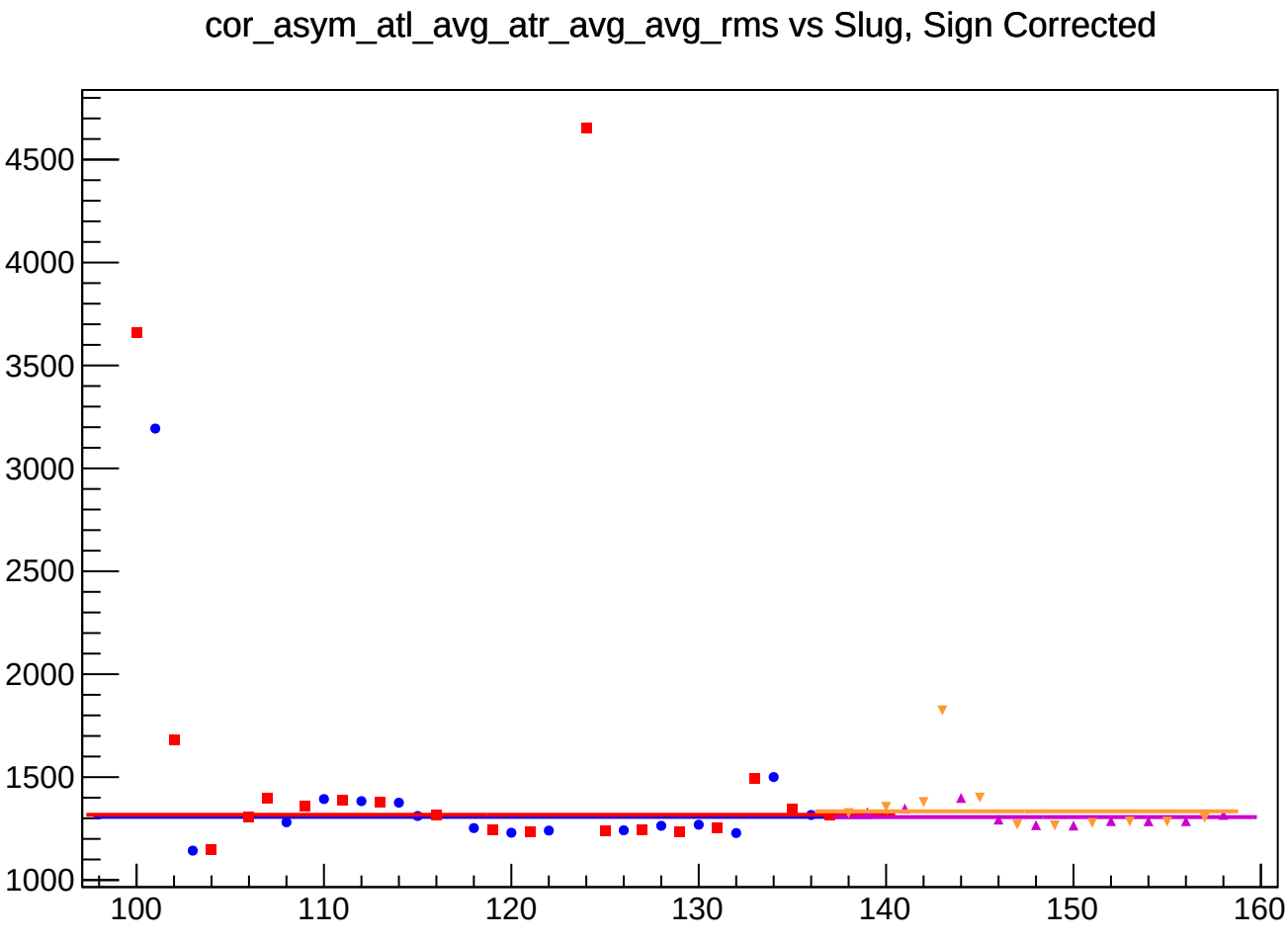
Left: 2147.774+/-316.948 χ^2/NDF: 37.7/20

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2731.044+/-329.937 χ^2/NDF:27.9/25

Out: 1615.594+/-334.648 χ^2/NDF:33.8/29

All: 2181.225+/-234.948 χ^2/NDF: 67.3/55



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1333.994+/-0.321 χ^2/NDF:141436.9/10

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

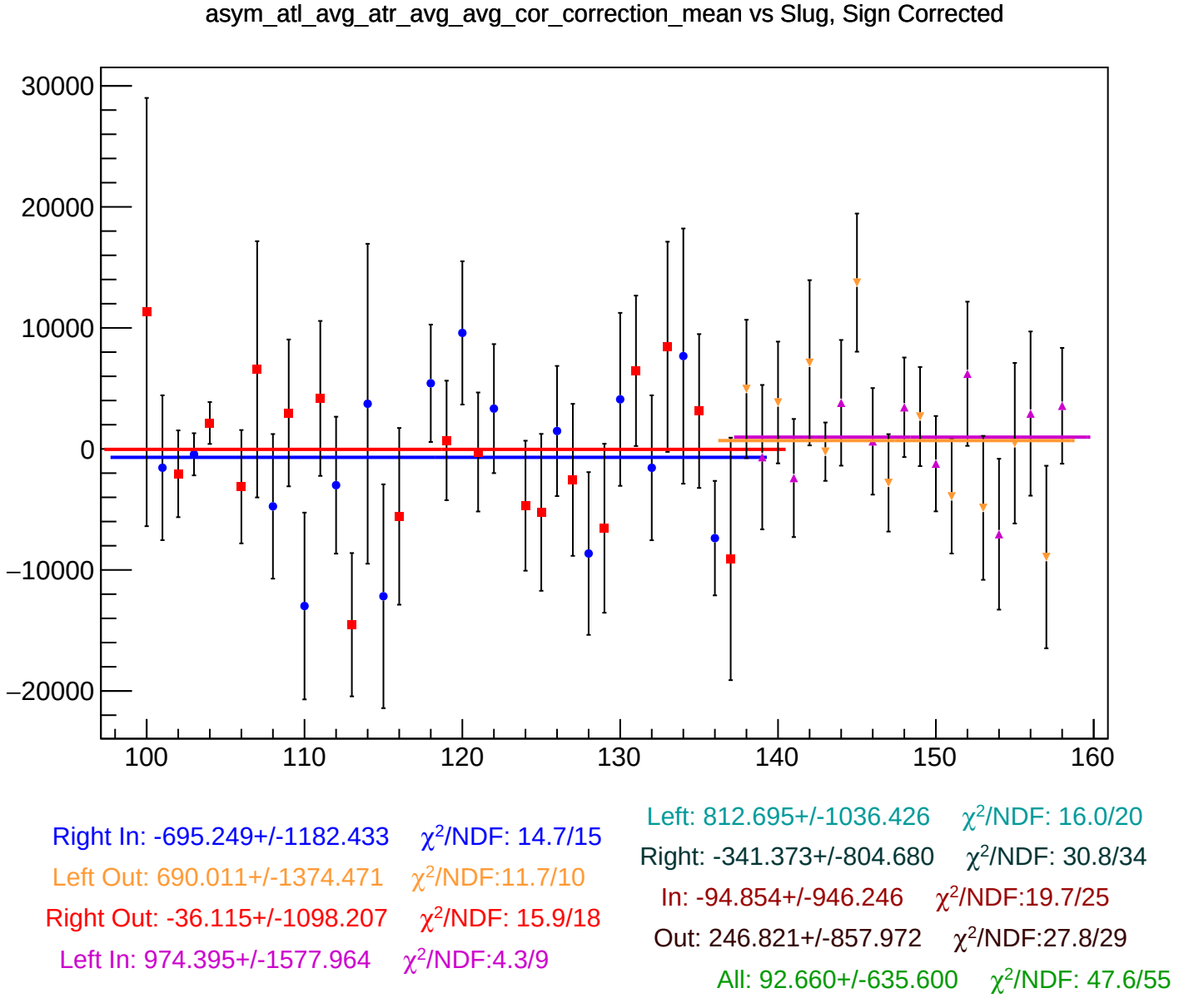
Left: 1319.554+/-0.224 χ^2/NDF: 160537.3/20

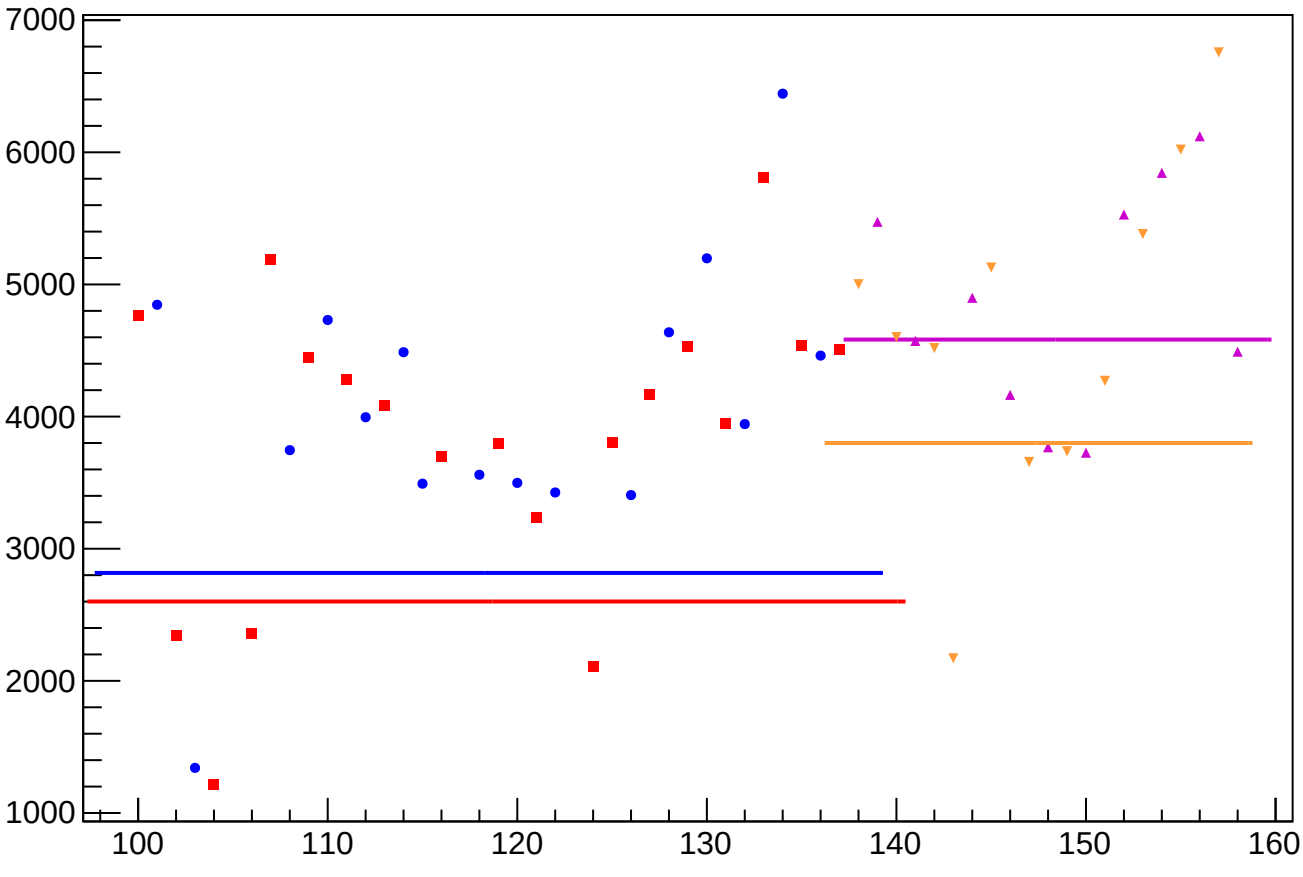
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1306.401+/-0.233 χ^2/NDF:531423.1/25

Out: 1326.261+/-0.236 χ^2/NDF:468627.2/29

All: 1316.199+/-0.166 χ^2/NDF: 1003625.3/55


asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: 690.011+/-1374.471 χ²/NDF:11.7/10
Right Out: -36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: 974.395+/-1577.964 χ²/NDF:4.3/9
Left: 812.695+/-1036.426 χ²/NDF: 16.0/20
Right: -341.373+/-804.680 χ²/NDF: 30.8/34
In: -94.854+/-946.246 χ²/NDF:19.7/25
Out: 246.821+/-857.972 χ²/NDF:27.8/29
All: 92.660+/-635.600 χ²/NDF: 47.6/55



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3800.020+/-0.972 χ^2/NDF:1879211.4/10

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4582.830+/-1.116 χ^2/NDF:479013.5/9

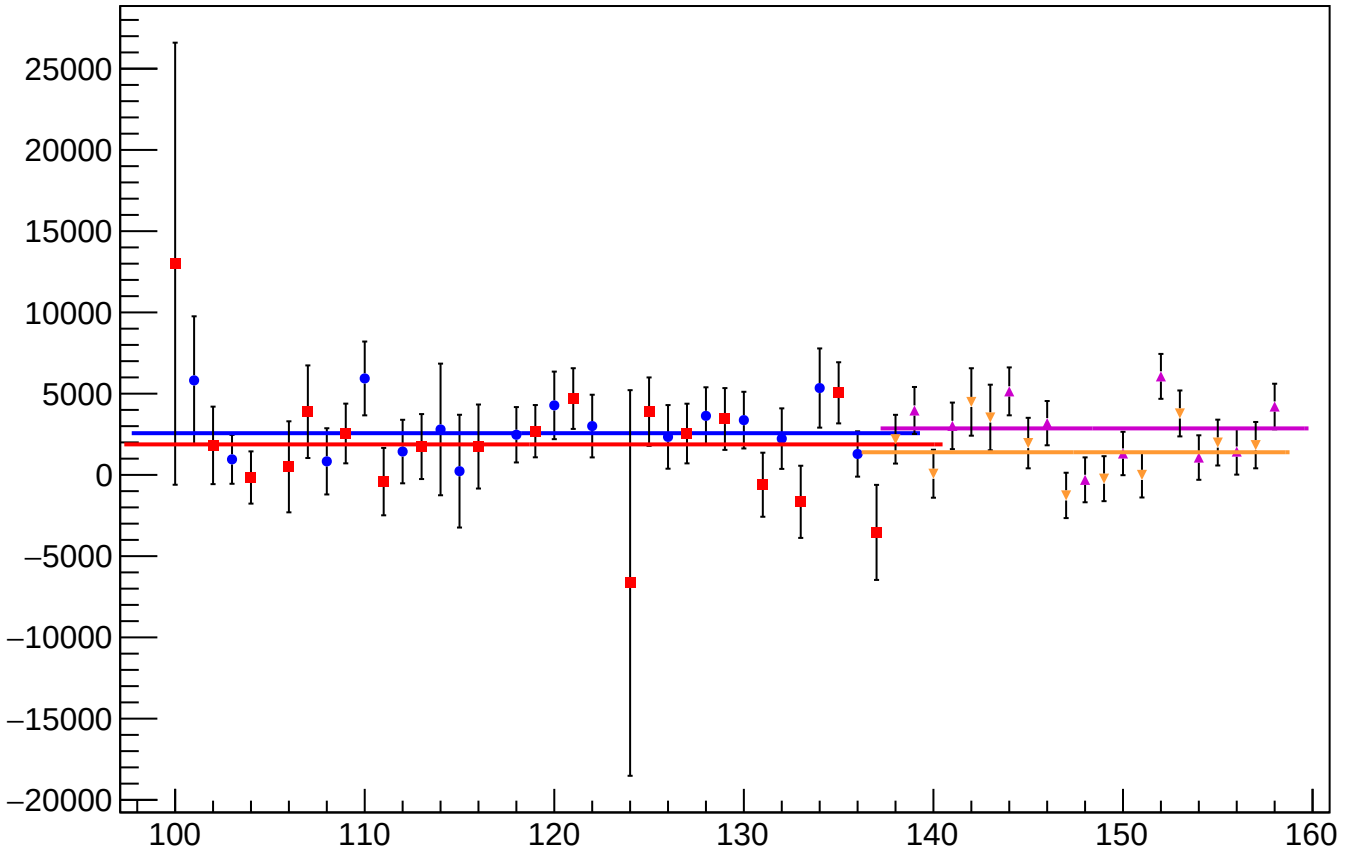
Left: 4137.726+/-0.733 χ^2/NDF: 2638093.7/20

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3451.845+/-0.669 χ^2/NDF:5090917.6/25

Out: 3067.909+/-0.607 χ^2/NDF:5889665.6/29

All: 3241.137+/-0.449 χ^2/NDF: 11161284.8/5



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1394.431+/-454.377 χ^2/NDF:13.7/10

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2861.700+/-442.330 χ^2/NDF:18.6/9

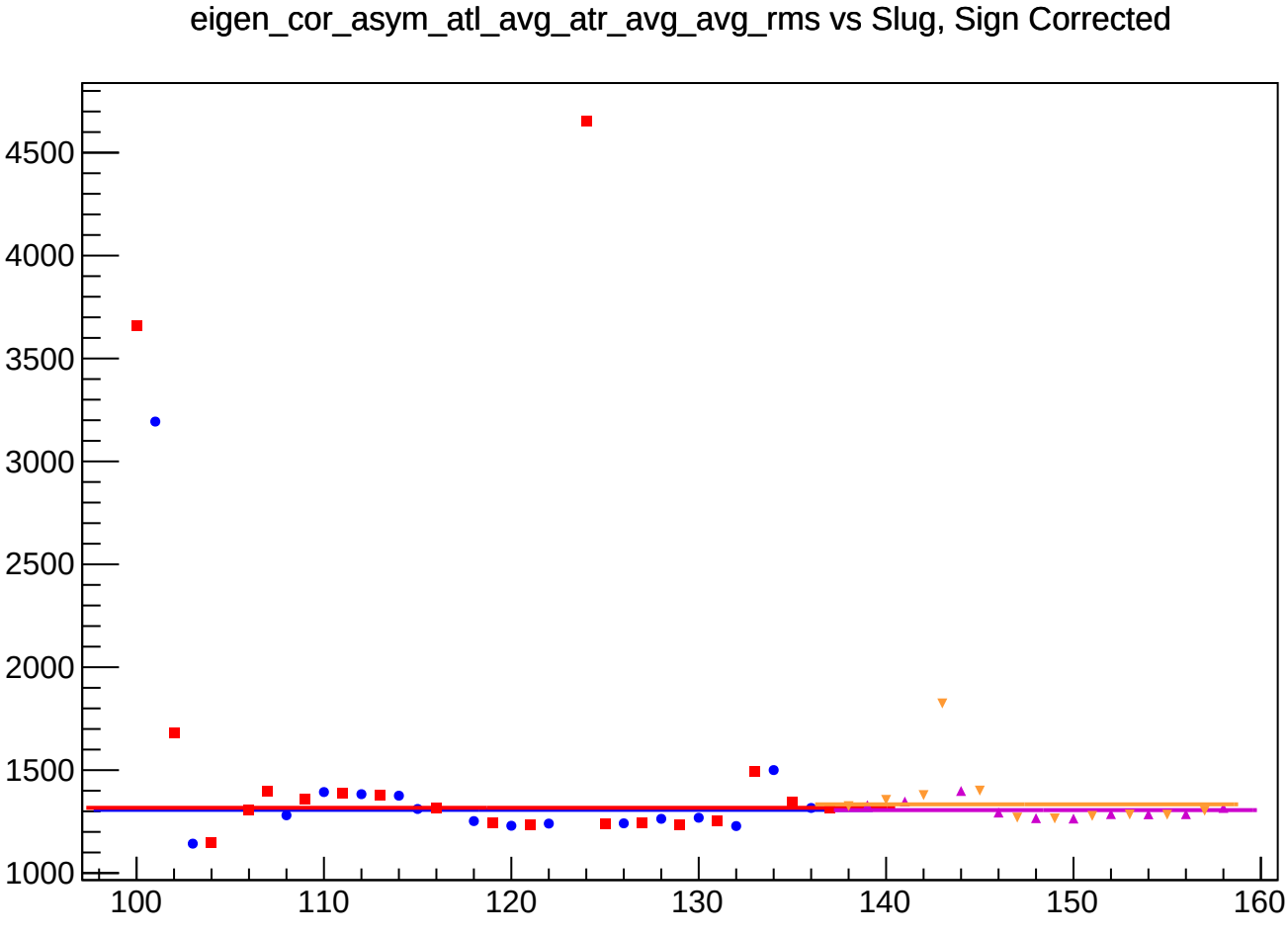
Left: 2147.774+/-316.948 χ^2/NDF: 37.7/20

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2731.044+/-329.937 χ^2/NDF:27.9/25

Out: 1615.594+/-334.648 χ^2/NDF:33.8/29

All: 2181.225+/-234.948 χ^2/NDF: 67.3/55



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1333.994+/-0.321 χ^2/NDF:141436.9/10

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

Left: 1319.554+/-0.224 χ^2/NDF: 160537.3/20

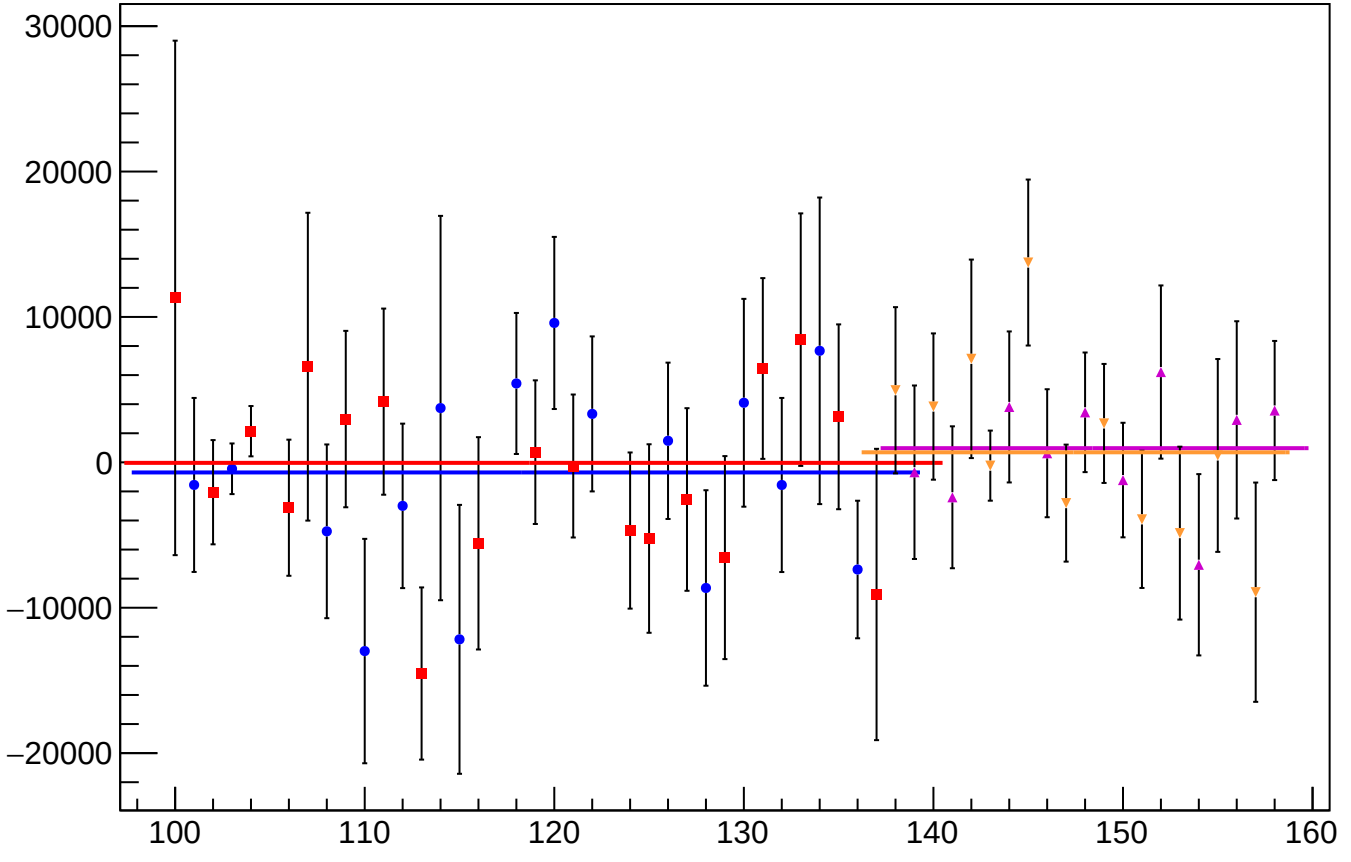
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1306.401+/-0.233 χ^2/NDF:531423.1/25

Out: 1326.261+/-0.236 χ^2/NDF:468627.2/29

All: 1316.199+/-0.166 χ^2/NDF: 1003625.3/55

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: 690.011+/-1374.471 χ^2/NDF:11.7/10

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 974.395+/-1577.964 χ^2/NDF:4.3/9

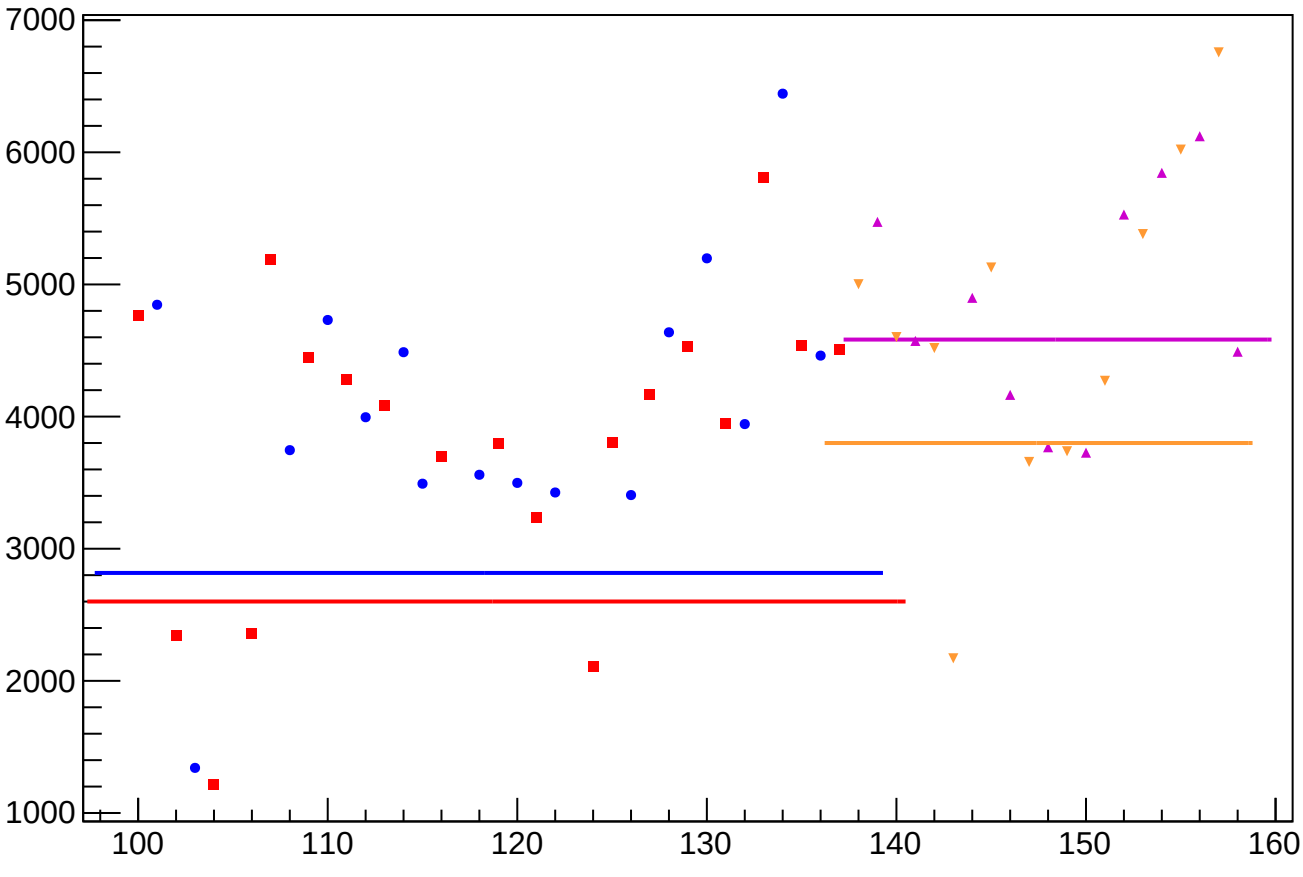
Left: 812.695+/-1036.426 χ^2/NDF: 16.0/20

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -94.854+/-946.246 χ^2/NDF:19.7/25

Out: 246.821+/-857.972 χ^2/NDF:27.8/29

All: 92.660+/-635.600 χ^2/NDF: 47.6/55



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3800.020+/-0.972 χ^2/NDF:1879211.4/10

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4582.830+/-1.116 χ^2/NDF:479013.5/9

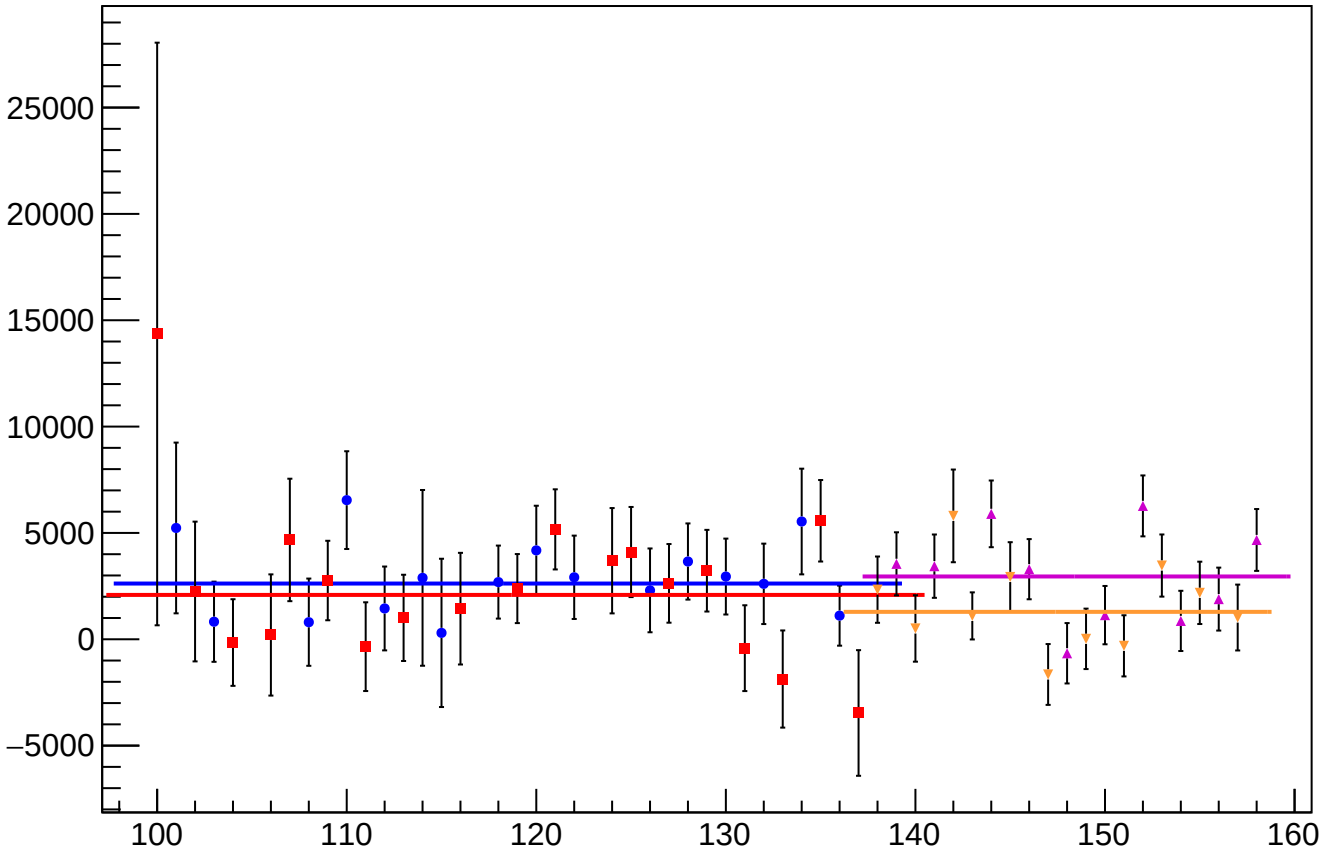
Left: 4137.726+/-0.733 χ^2/NDF: 2638093.7/20

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3451.845+/-0.669 χ^2/NDF:5090917.6/25

Out: 3067.909+/-0.607 χ^2/NDF:5889665.6/29

All: 3241.137+/-0.449 χ^2/NDF: 11161284.8/5



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1289.434+/-445.389 χ^2/NDF:14.9/10

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2952.926+/-458.475 χ^2/NDF:21.5/9

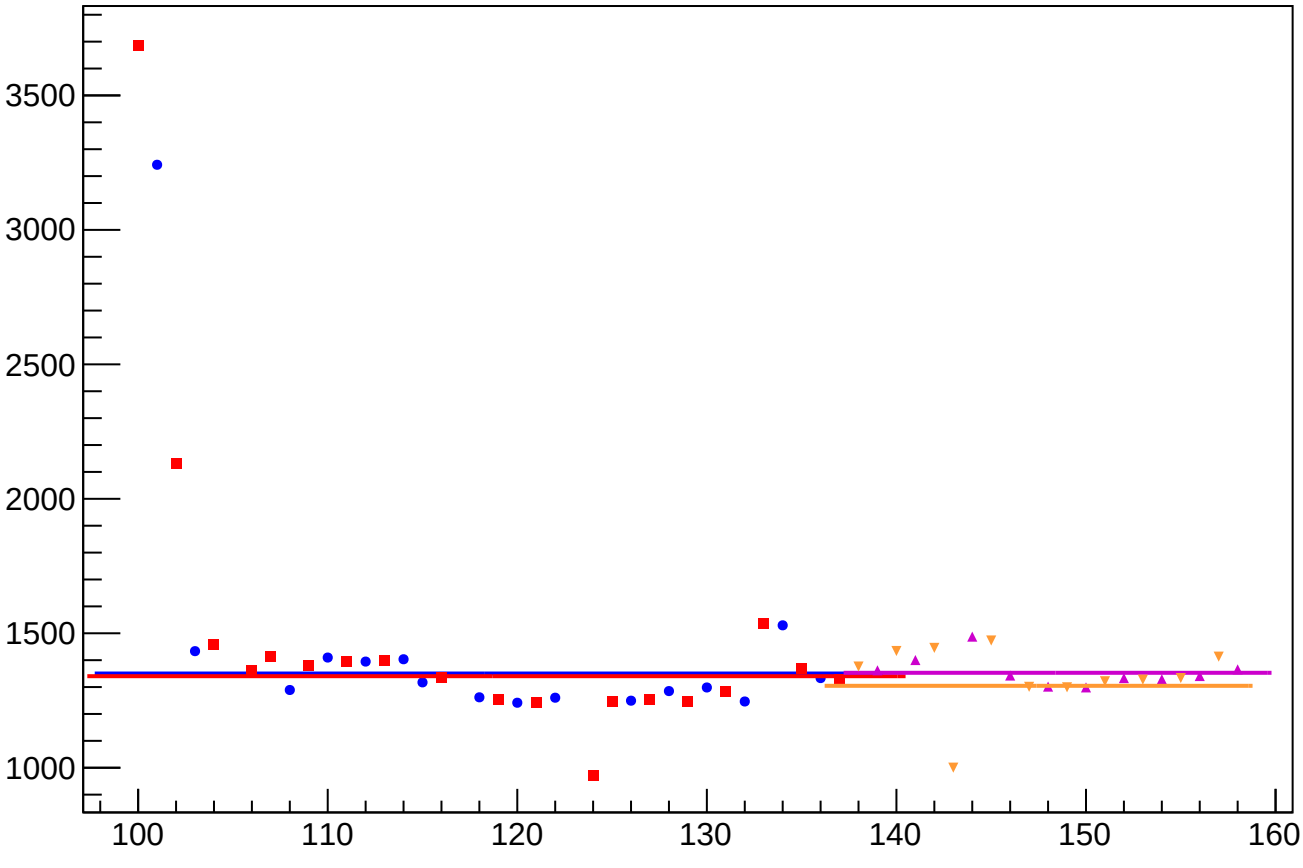
Left: 2097.101+/-319.463 χ^2/NDF: 43.2/20

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2804.850+/-341.406 χ^2/NDF:31.1/25

Out: 1637.876+/-333.998 χ^2/NDF:37.3/29

All: 2208.565+/-238.748 χ^2/NDF: 74.3/55



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1304.646+/-0.315 χ^2/NDF:210104.3/10

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1353.044+/-0.324 χ^2/NDF:23923.6/9

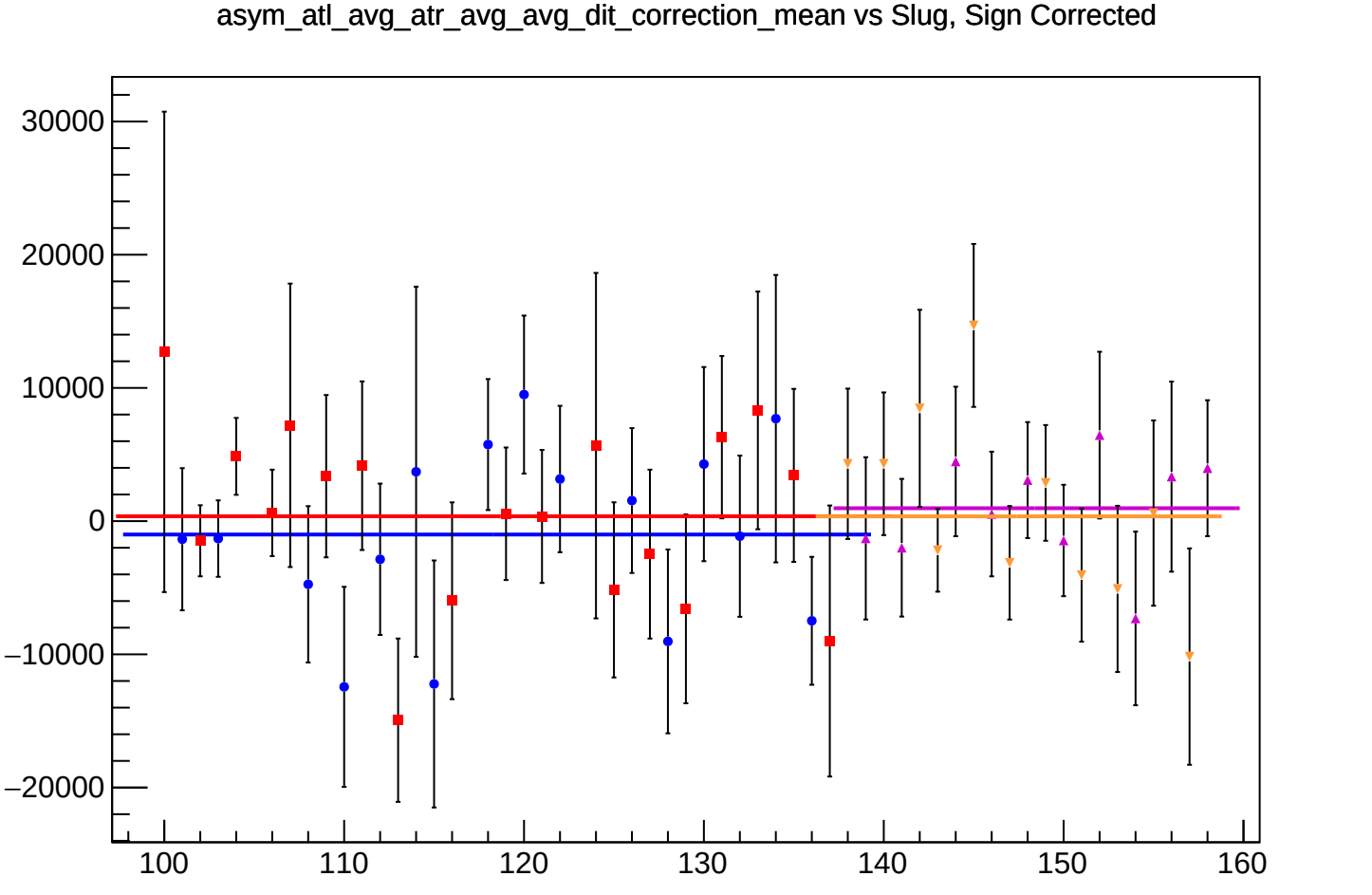
Left: 1328.144+/-0.226 χ^2/NDF: 245494.0/20

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1351.852+/-0.241 χ^2/NDF:518005.0/25

Out: 1320.317+/-0.236 χ^2/NDF:487941.5/29

All: 1335.734+/-0.169 χ^2/NDF: 1014667.9/55


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
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−20000
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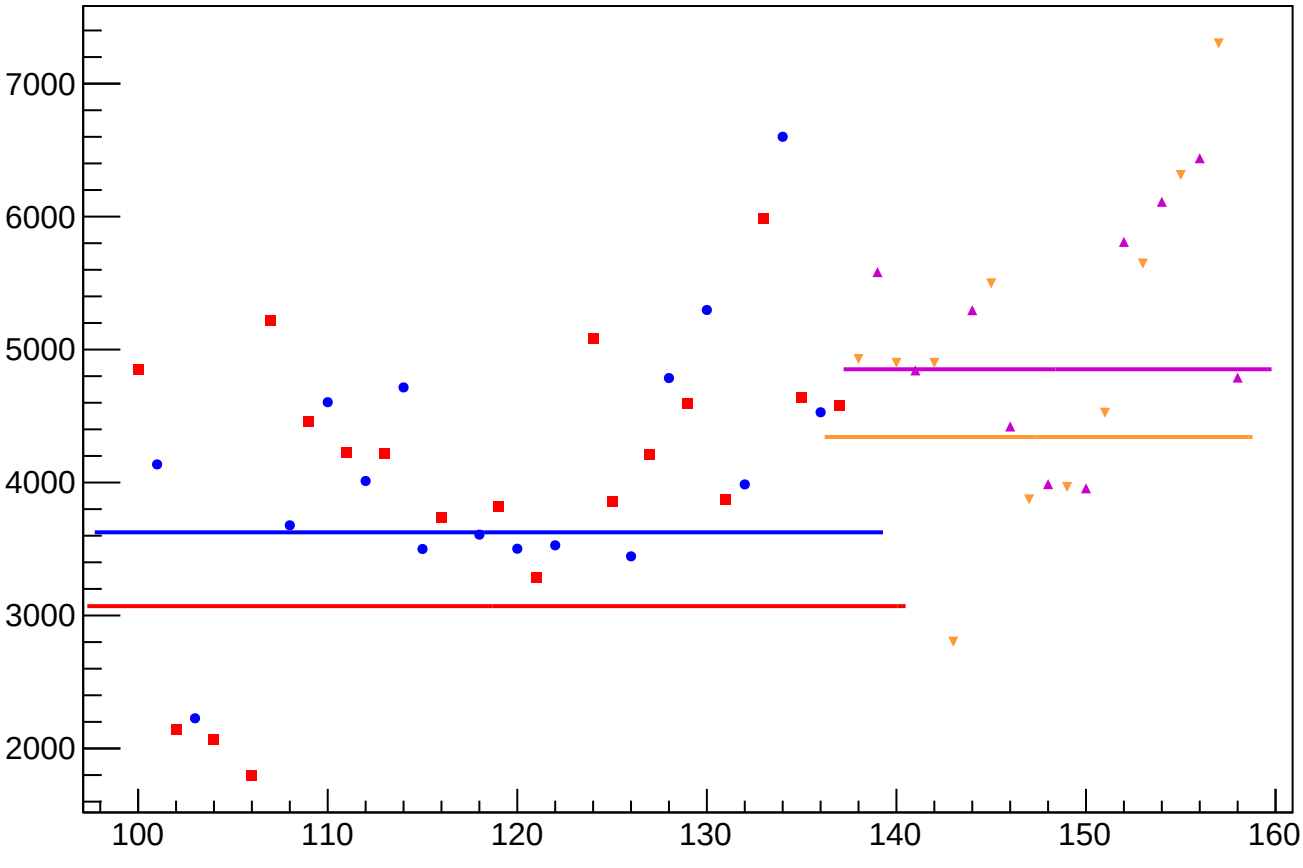
130
140
150
160
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: 355.307+/-1534.893 χ²/NDF:12.6/10
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 967.954+/-1669.257 χ²/NDF:4.3/9
Left: 635.984+/-1129.853 χ²/NDF: 17.0/20
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -188.266+/-1074.677 χ²/NDF:19.7/25
Out: 360.999+/-946.591 χ²/NDF:28.8/29
All: 121.034+/-710.331 χ²/NDF: 48.7/55



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4342.426+/-1.085 χ^2/NDF:1172638.6/10

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4851.891+/-1.180 χ^2/NDF:449496.5/9

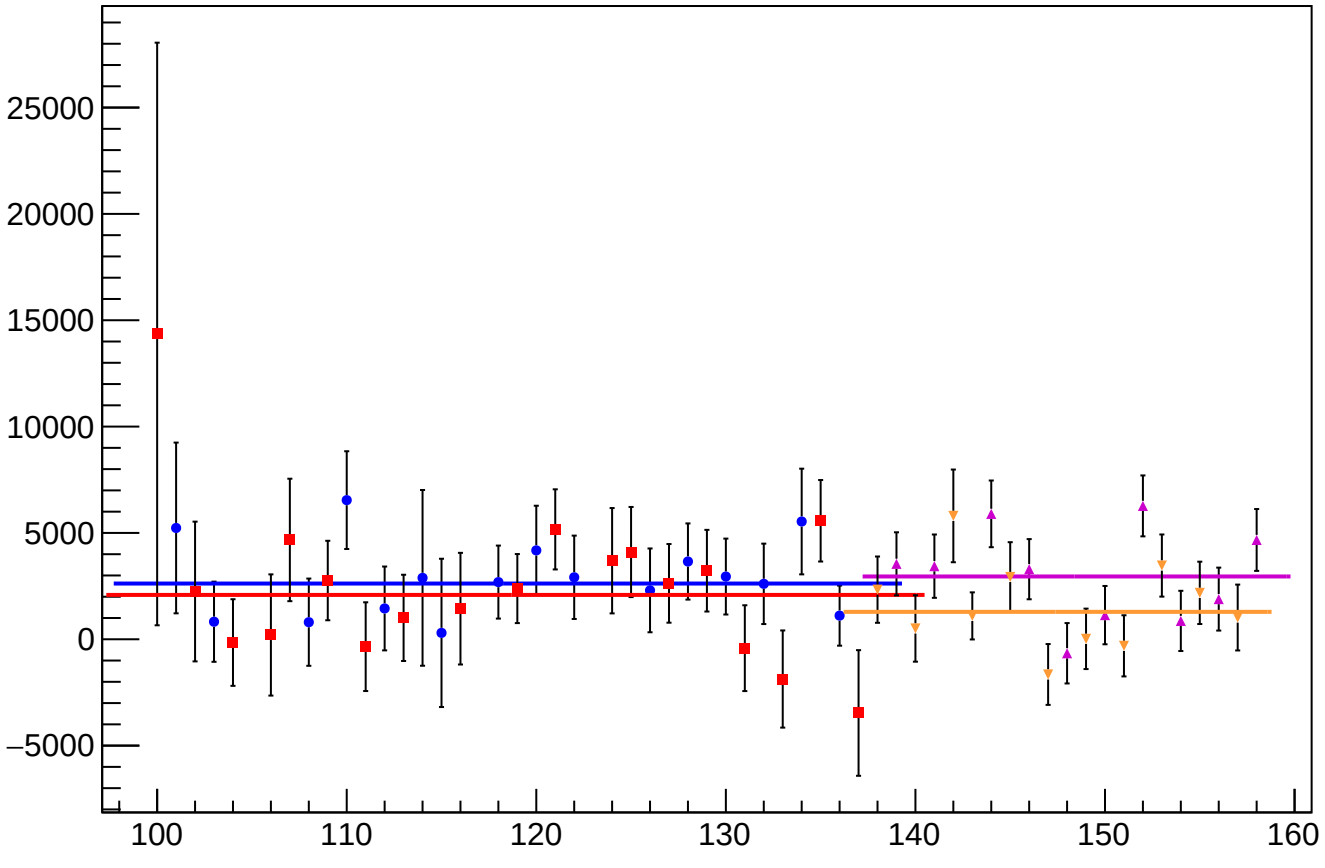
Left: 4575.832+/-0.799 χ^2/NDF: 1723083.7/20

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4133.828+/-0.760 χ^2/NDF:2026480.1/25

Out: 3554.225+/-0.669 χ^2/NDF:3862421.2/29

All: 3807.444+/-0.502 χ^2/NDF: 6216493.5/55



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1289.433+/-445.389 χ^2/NDF:14.9/10

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2952.926+/-458.475 χ^2/NDF:21.5/9

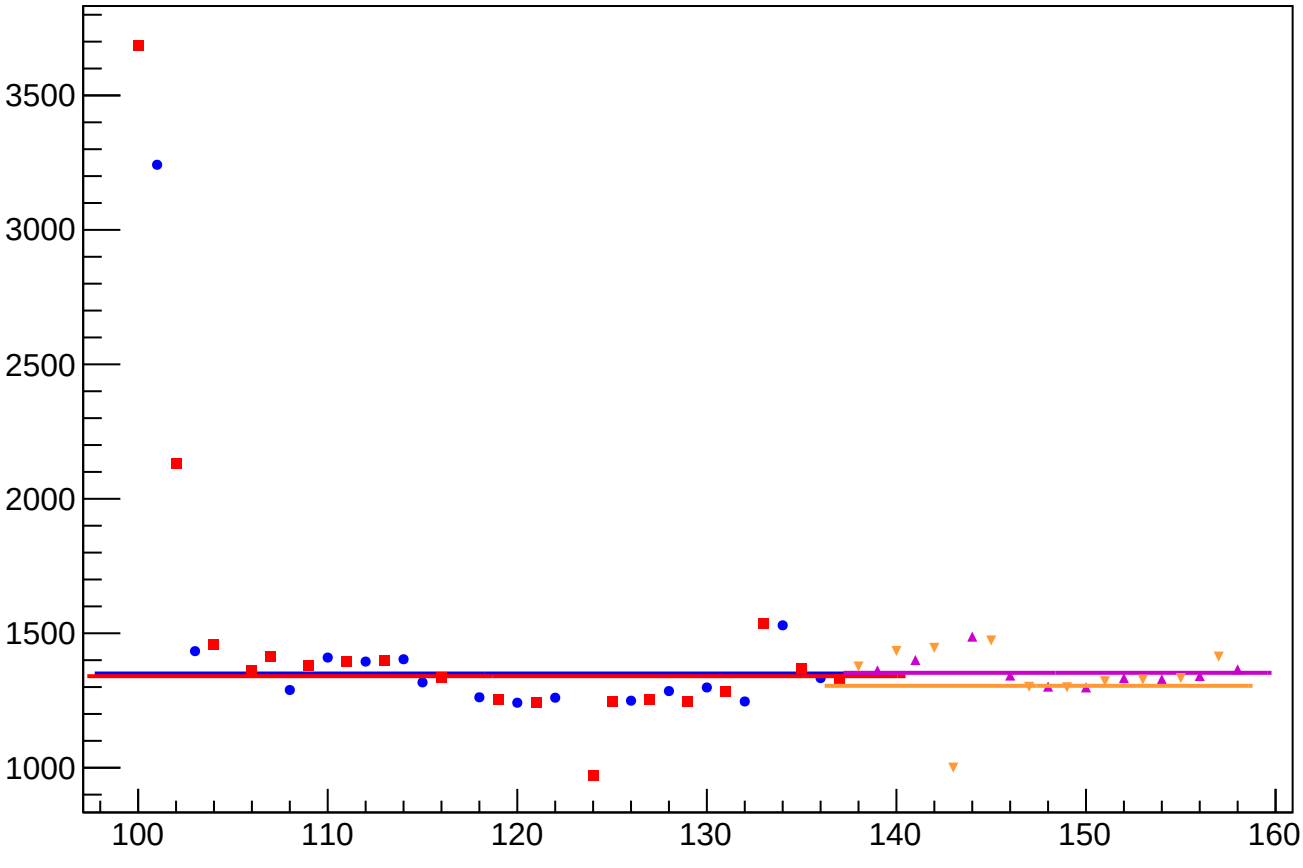
Left: 2097.100+/-319.464 χ^2/NDF: 43.2/20

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2804.850+/-341.406 χ^2/NDF:31.1/25

Out: 1637.877+/-333.998 χ^2/NDF:37.3/29

All: 2208.565+/-238.748 χ^2/NDF: 74.3/55



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1304.647+/-0.315 χ^2/NDF:210104.7/10

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1353.045+/-0.324 χ^2/NDF:23923.8/9

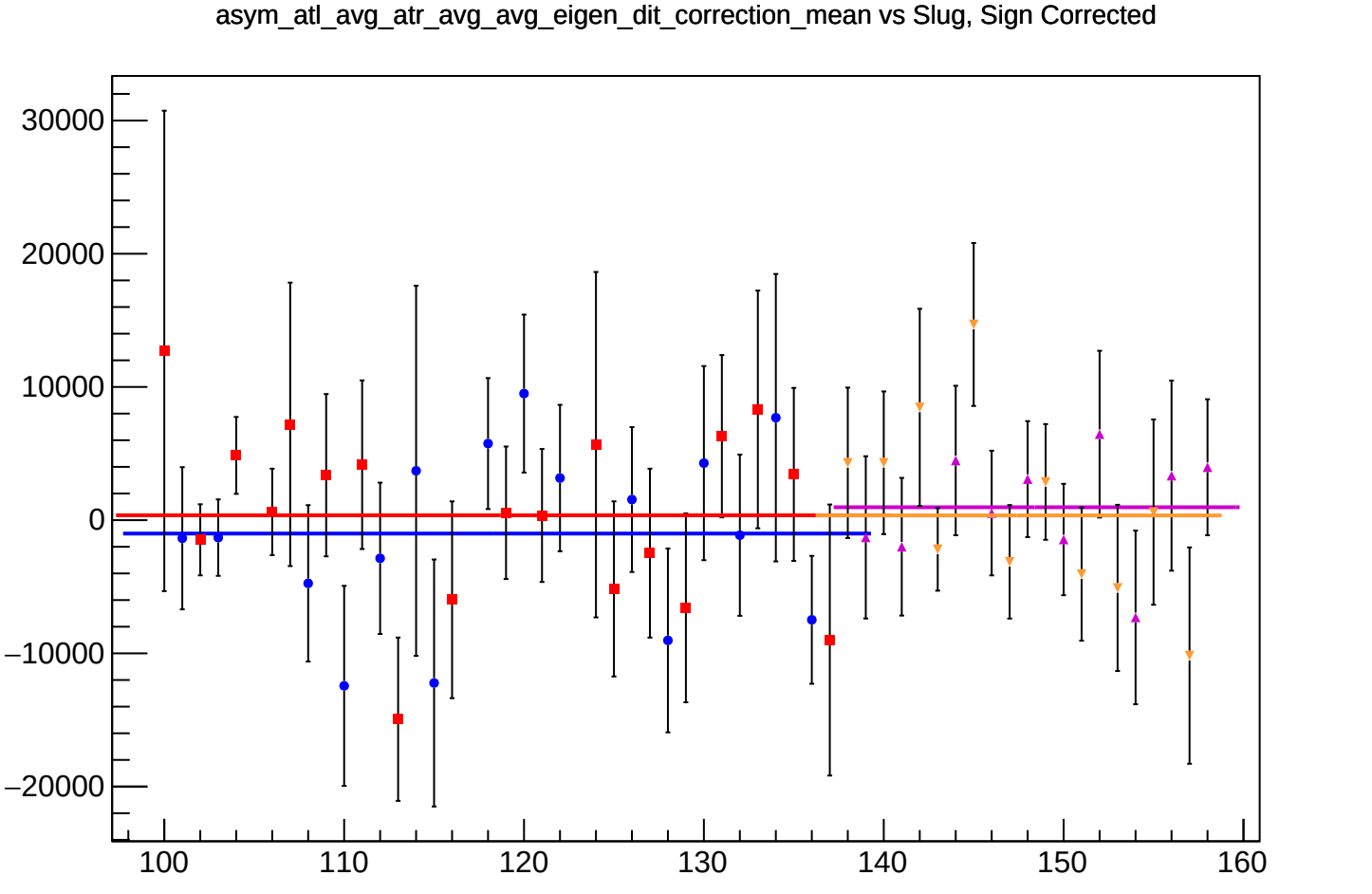
Left: 1328.145+/-0.226 χ^2/NDF: 245494.7/20

Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1351.853+/-0.241 χ^2/NDF:518005.4/25

Out: 1320.317+/-0.236 χ^2/NDF:487940.4/29

All: 1335.735+/-0.169 χ^2/NDF: 1014667.3/55


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
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−10000
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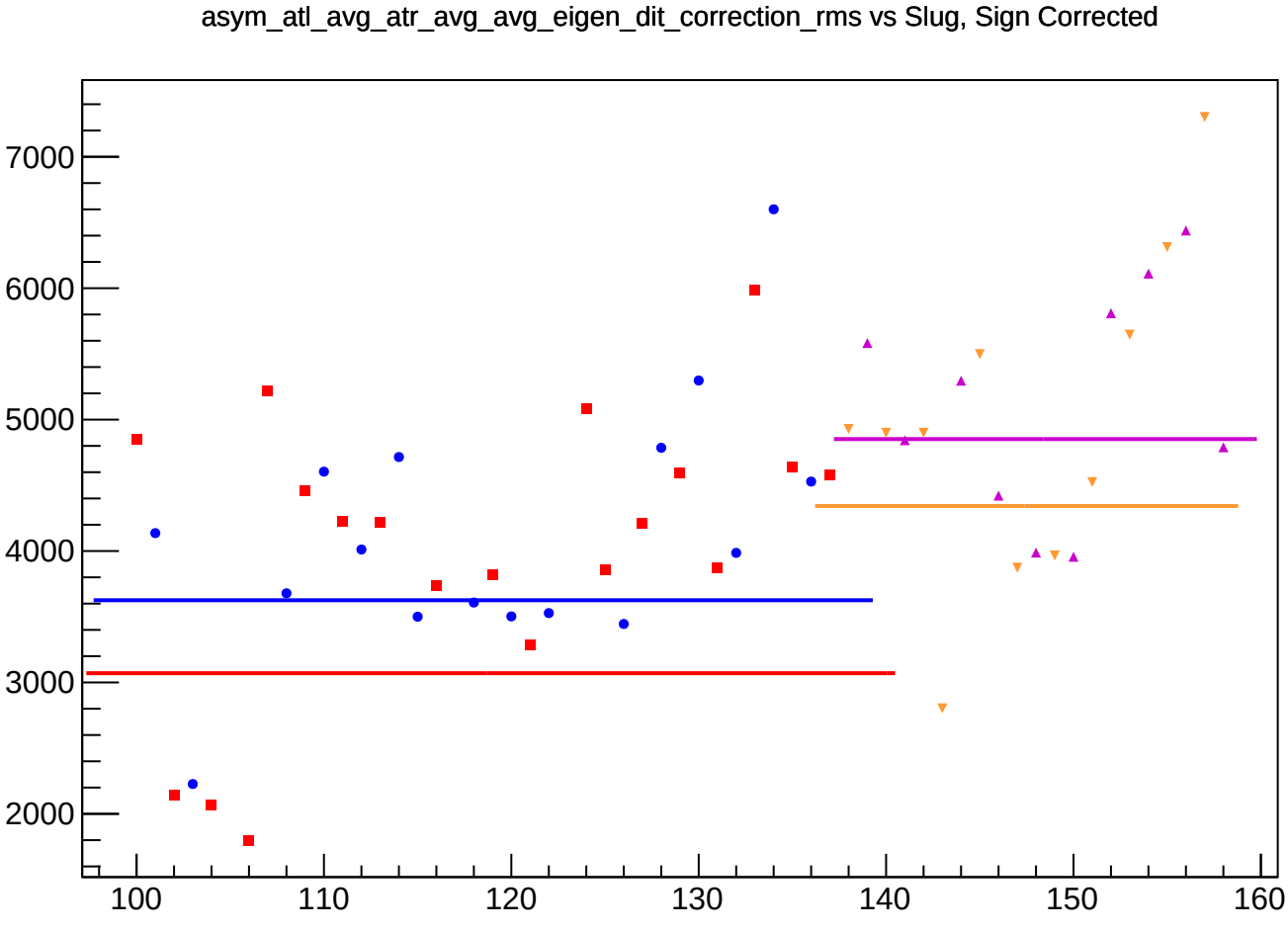
100
110
120
130
140
150
160
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: 355.303+/-1534.895 χ²/NDF:12.6/10
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 967.954+/-1669.260 χ²/NDF:4.3/9
Left: 635.982+/-1129.855 χ²/NDF: 17.0/20
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -188.264+/-1074.676 χ²/NDF:19.7/25
Out: 360.999+/-946.590 χ²/NDF:28.8/29
All: 121.035+/-710.331 χ²/NDF: 48.7/55



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4342.432+/-1.085 χ^2/NDF:1172637.8/10

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4851.897+/-1.180 χ^2/NDF:449496.9/9

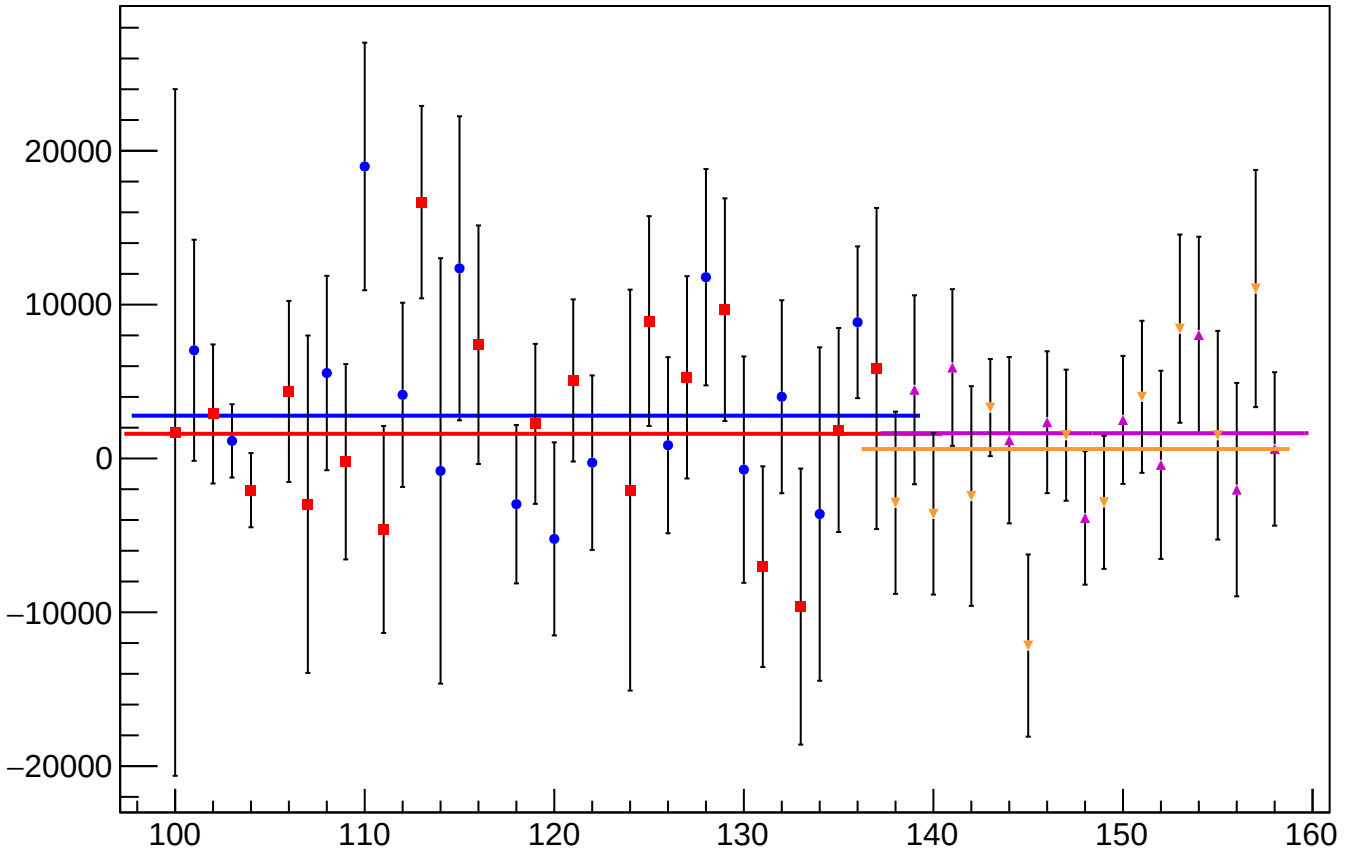
Left: 4575.838+/-0.799 χ^2/NDF: 1723083.1/20

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4133.823+/-0.760 χ^2/NDF:2026498.7/25

Out: 3554.219+/-0.669 χ^2/NDF:3862443.3/29

All: 3807.439+/-0.502 χ^2/NDF: 6216535.4/55



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 615.124+/-1528.063 χ^2/NDF:11.2/10

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1641.263+/-1645.531 χ^2/NDF:4.0/9

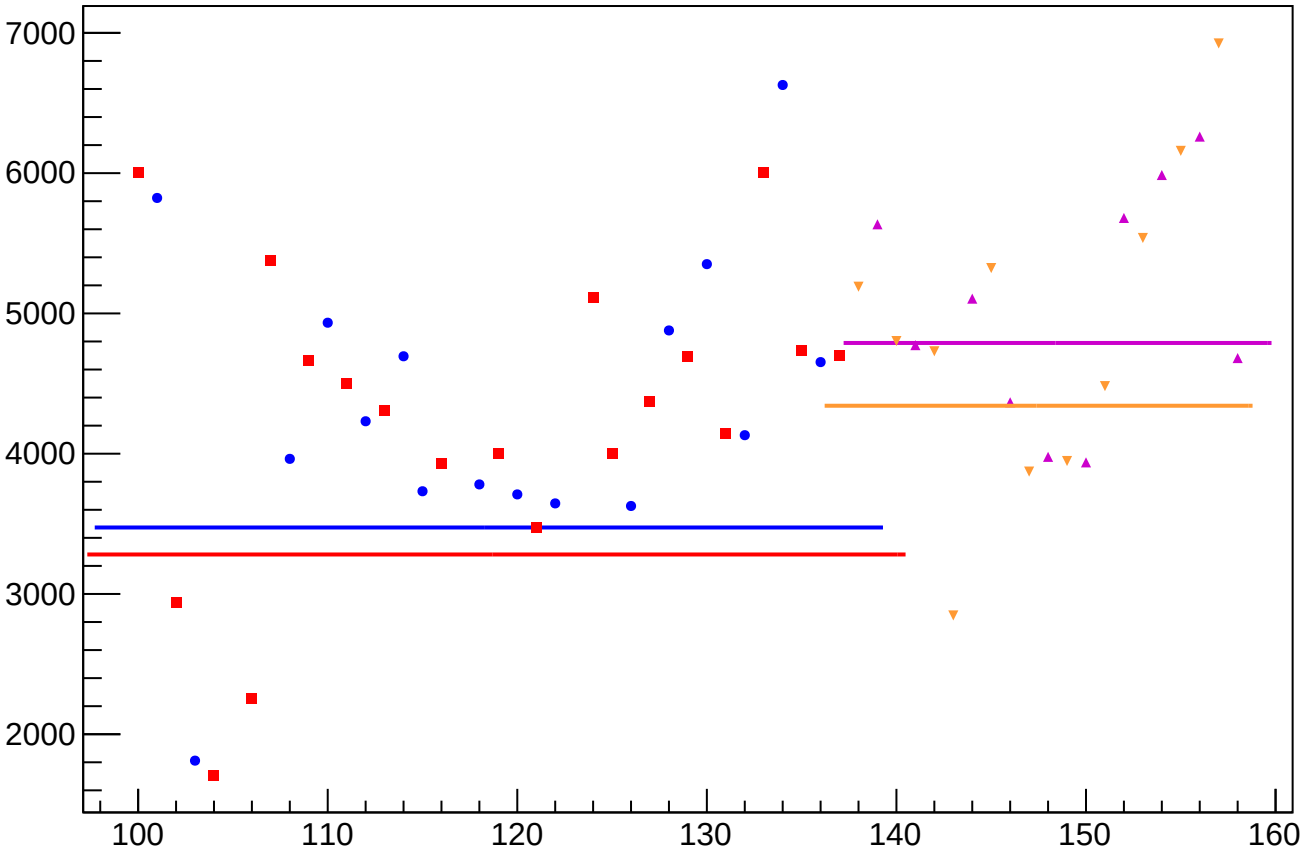
Left: 1090.264+/-1119.731 χ^2/NDF: 15.4/20

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2306.552+/-1061.612 χ^2/NDF:17.5/25

Out: 1174.431+/-1006.221 χ^2/NDF:28.2/29

All: 1710.187+/-730.303 χ^2/NDF: 46.3/55



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4341.858+/-1.081 χ^2/NDF:1053422.3/10

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4789.404+/-1.164 χ^2/NDF:418924.0/9

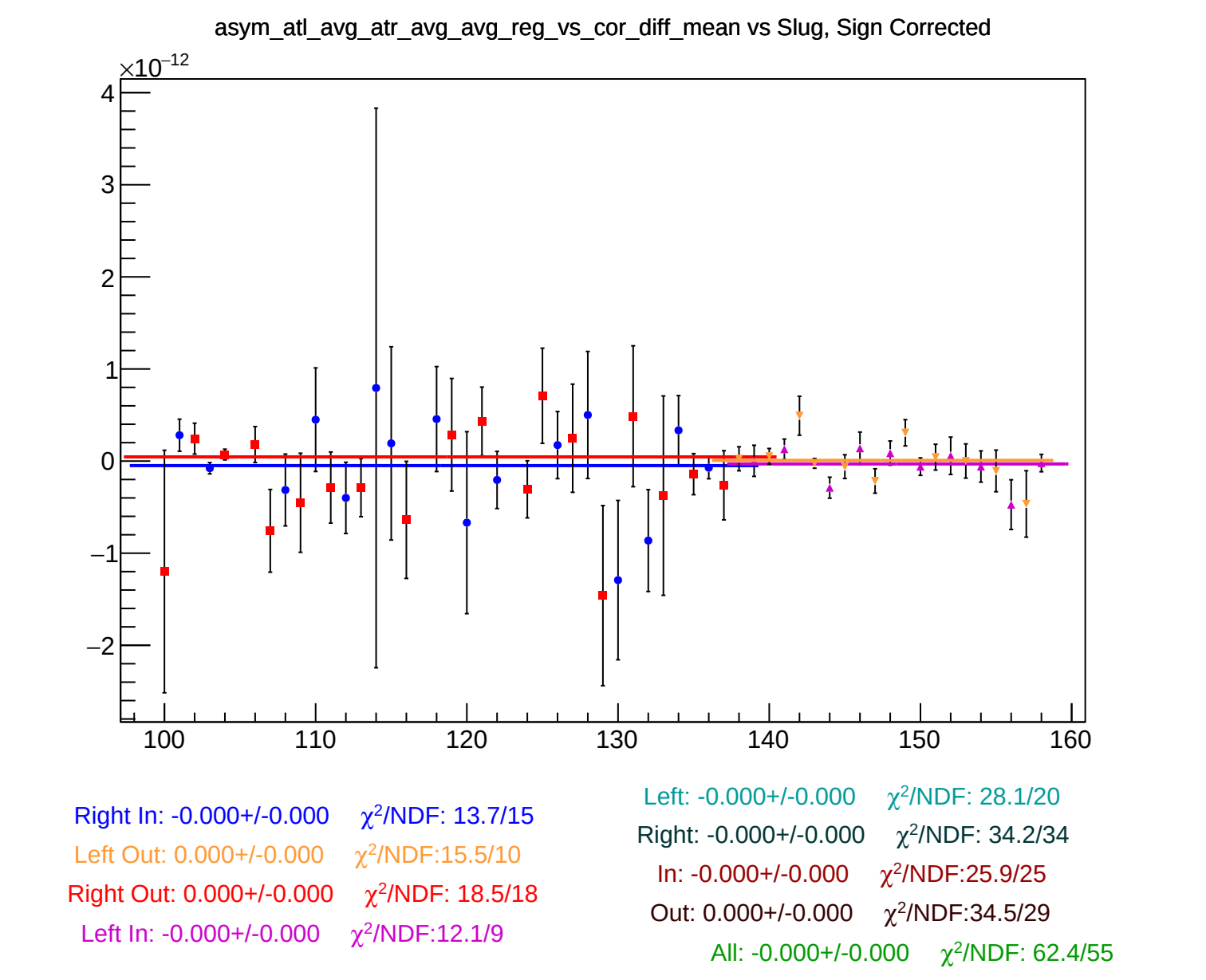
Left: 4549.088+/-0.792 χ^2/NDF: 1551785.9/20

Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4021.428+/-0.751 χ^2/NDF:3009093.5/25

Out: 3734.121+/-0.706 χ^2/NDF:3480898.1/29

All: 3868.962+/-0.514 χ^2/NDF: 6567727.7/55


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
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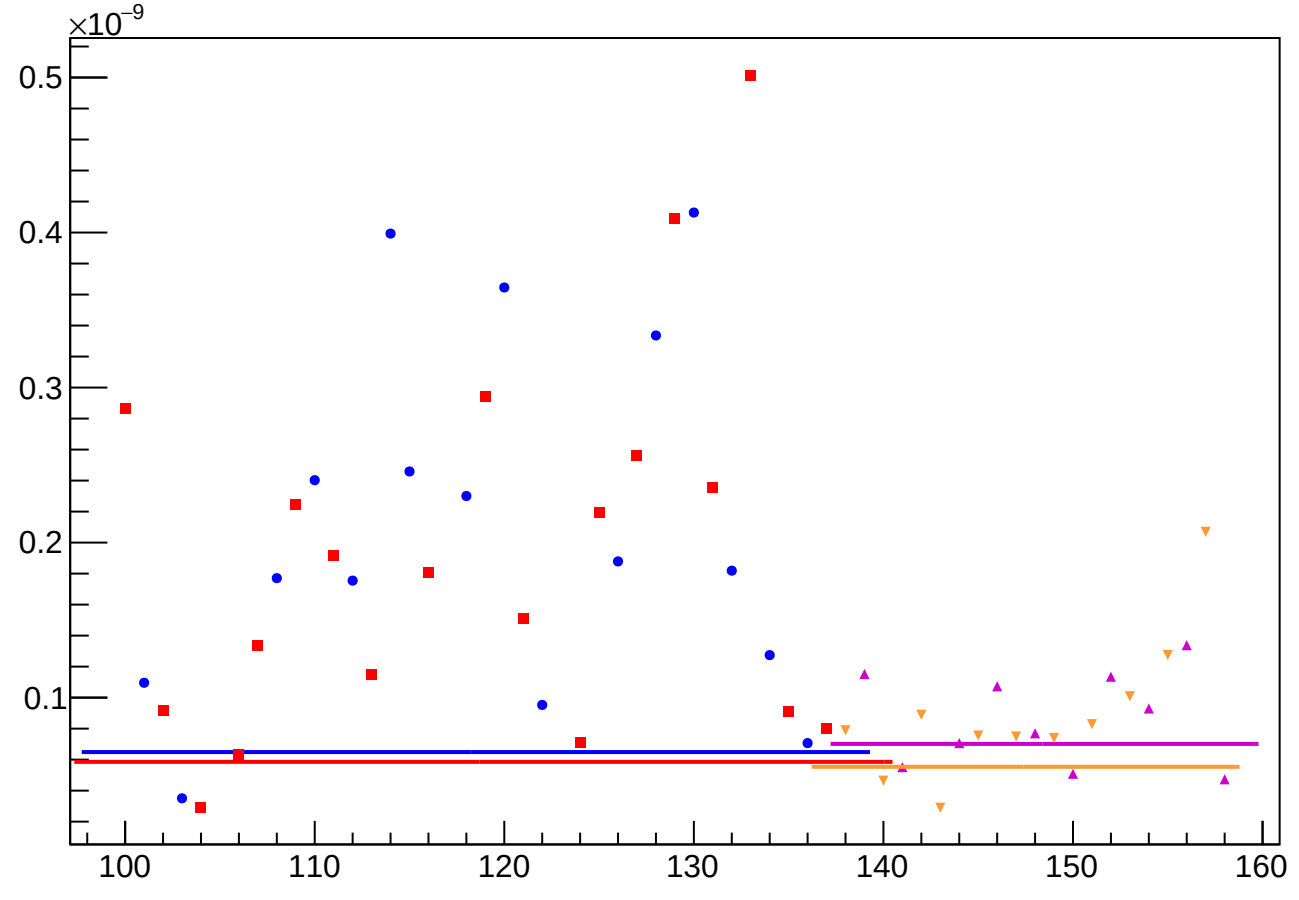
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:12.1/9
Left: -0.000+/-0.000 χ²/NDF: 28.1/20
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:25.9/25
Out: 0.000+/-0.000 χ²/NDF:34.5/29
All: -0.000+/-0.000 χ²/NDF: 62.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1517864.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:713510.6/9

Left: 0.000+/-0.000 χ^2/NDF: 2382187.2/20

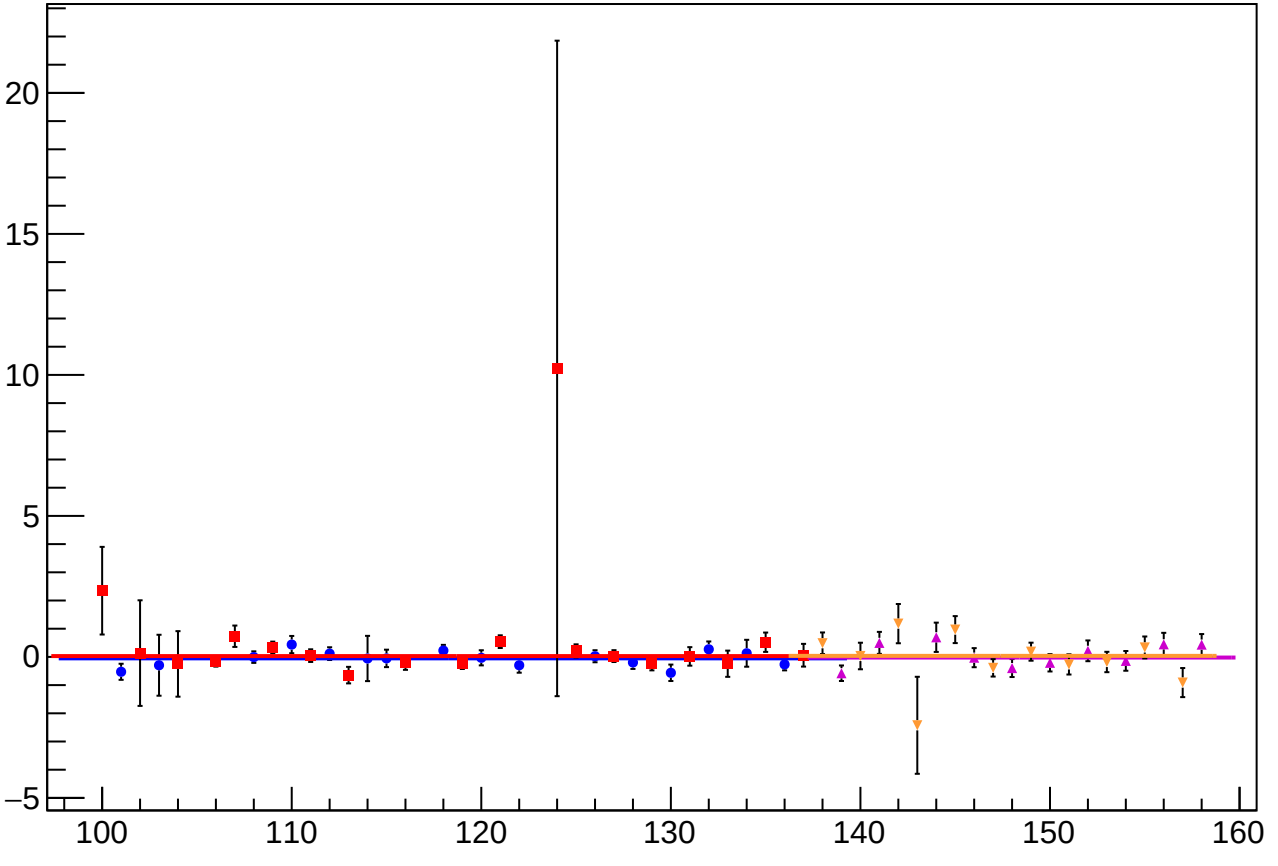
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3319977.2/25

Out: 0.000+/-0.000 χ^2/NDF:4378911.7/29

All: 0.000+/-0.000 χ^2/NDF: 7847593.2/55

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: 0.037+/-0.125 χ^2/NDF:17.1/10

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.023+/-0.111 χ^2/NDF:12.9/9

Left: 0.004+/-0.083 χ^2/NDF: 30.1/20

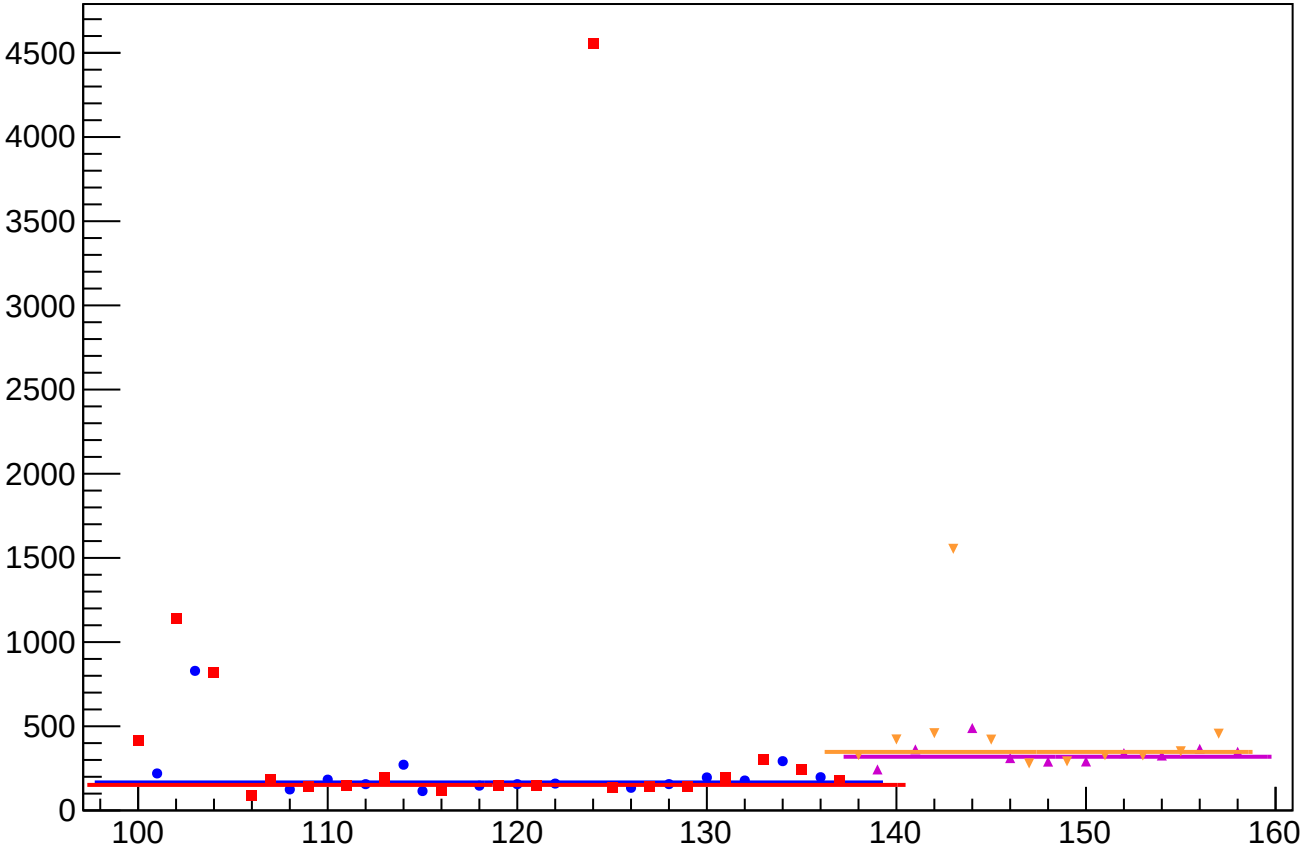
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.044+/-0.057 χ^2/NDF:27.8/25

Out: 0.031+/-0.057 χ^2/NDF:44.6/29

All: -0.006+/-0.040 χ^2/NDF: 73.3/55

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 347.741+/-0.088 χ^2/NDF:1397143.7/10

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 319.012+/-0.078 χ^2/NDF:471482.2/9

Left: 331.690+/-0.059 χ^2/NDF: 1927882.8/20

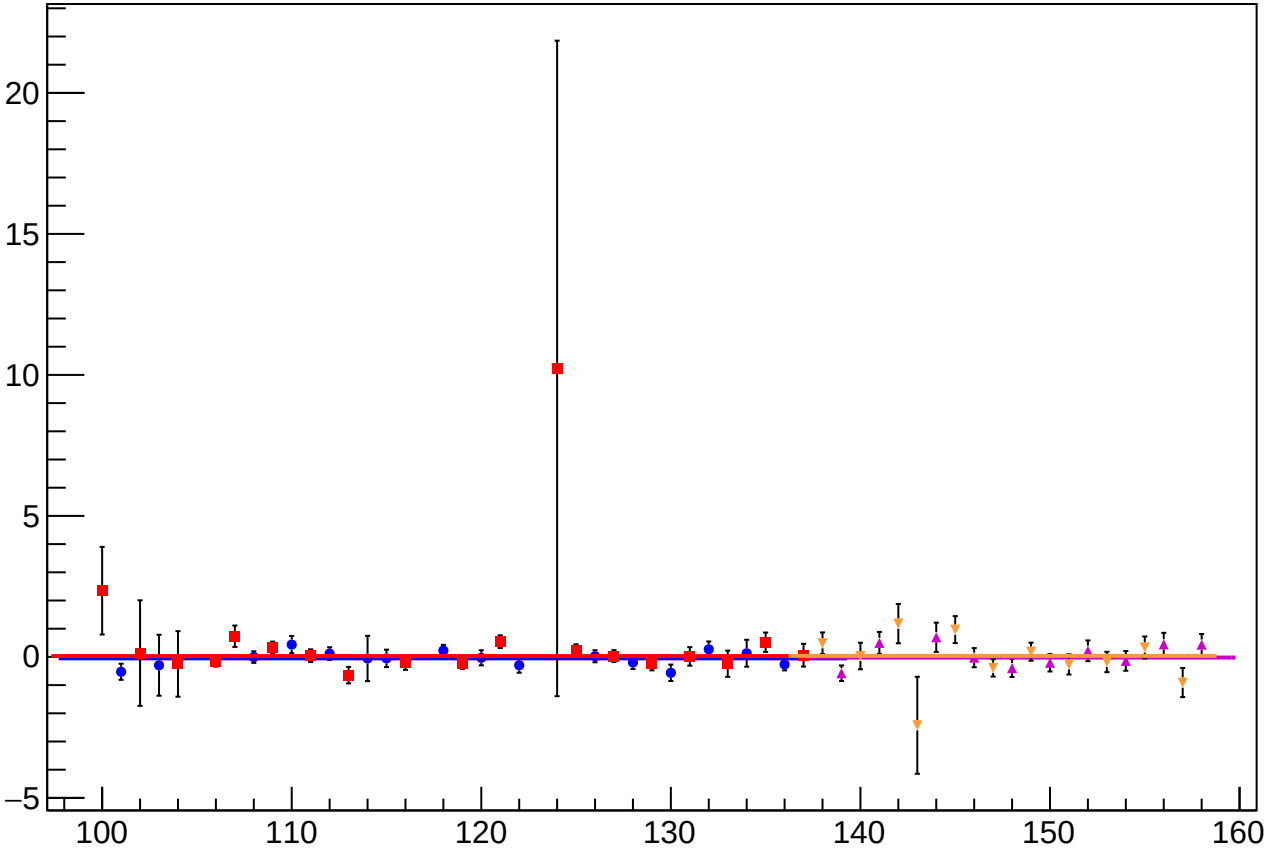
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 206.950+/-0.040 χ^2/NDF:4537350.5/25

Out: 192.640+/-0.040 χ^2/NDF:7618369.2/29

All: 199.768+/-0.029 χ^2/NDF: 12218602.5/55

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: 0.037+/-0.125 χ^2/NDF:17.1/10

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.023+/-0.111 χ^2/NDF:12.9/9

Left: 0.004+/-0.083 χ^2/NDF: 30.1/20

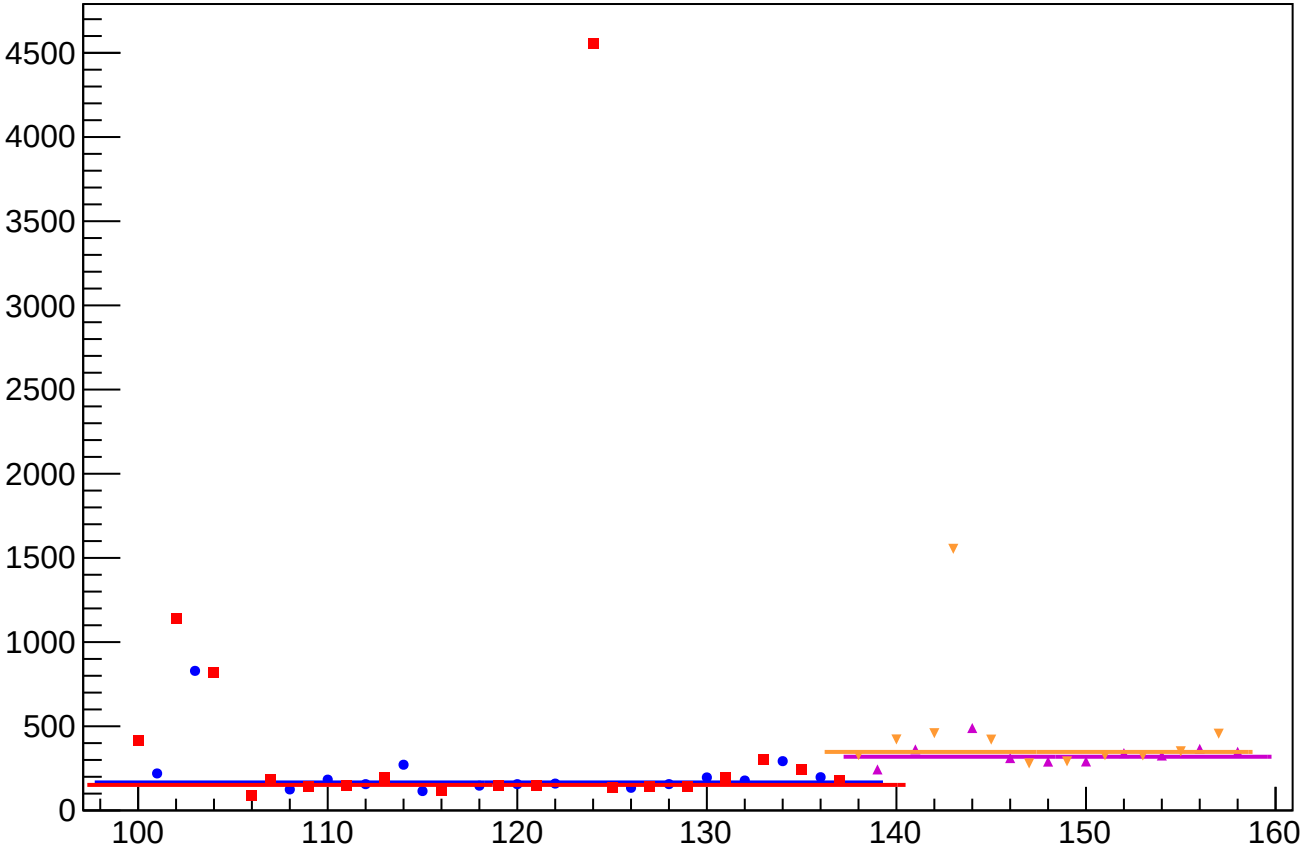
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.044+/-0.057 χ^2/NDF:27.8/25

Out: 0.031+/-0.057 χ^2/NDF:44.6/29

All: -0.006+/-0.040 χ^2/NDF: 73.3/55

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: 347.741+/-0.088 χ^2/NDF:1397143.7/10

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 319.012+/-0.078 χ^2/NDF:471482.2/9

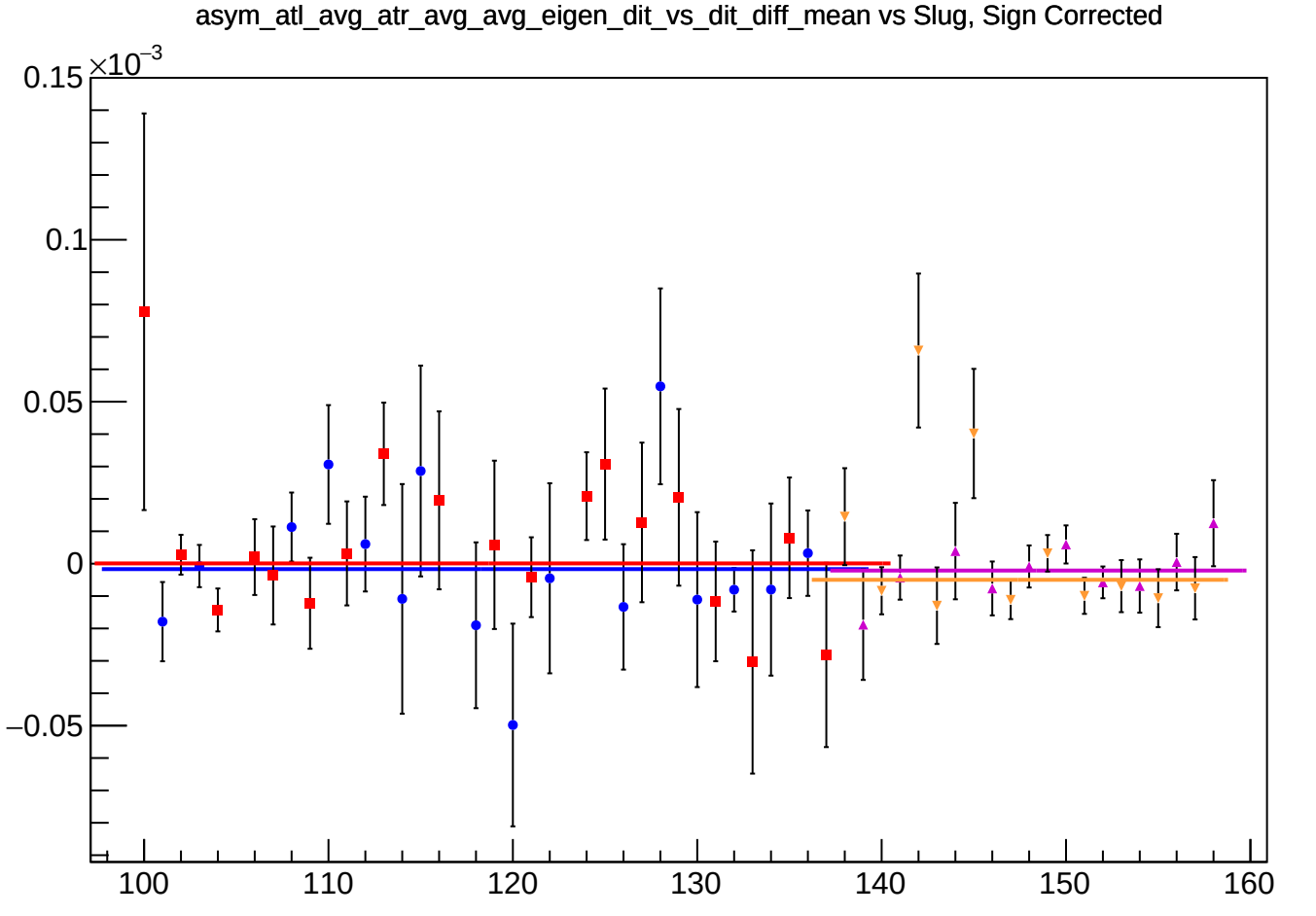
Left: 331.690+/-0.059 χ^2/NDF: 1927882.8/20

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 206.950+/-0.040 χ^2/NDF:4537350.5/25

Out: 192.640+/-0.040 χ^2/NDF:7618369.2/29

All: 199.768+/-0.029 χ^2/NDF: 12218602.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/9

Left: -0.000+/-0.000 χ^2/NDF: 27.3/20

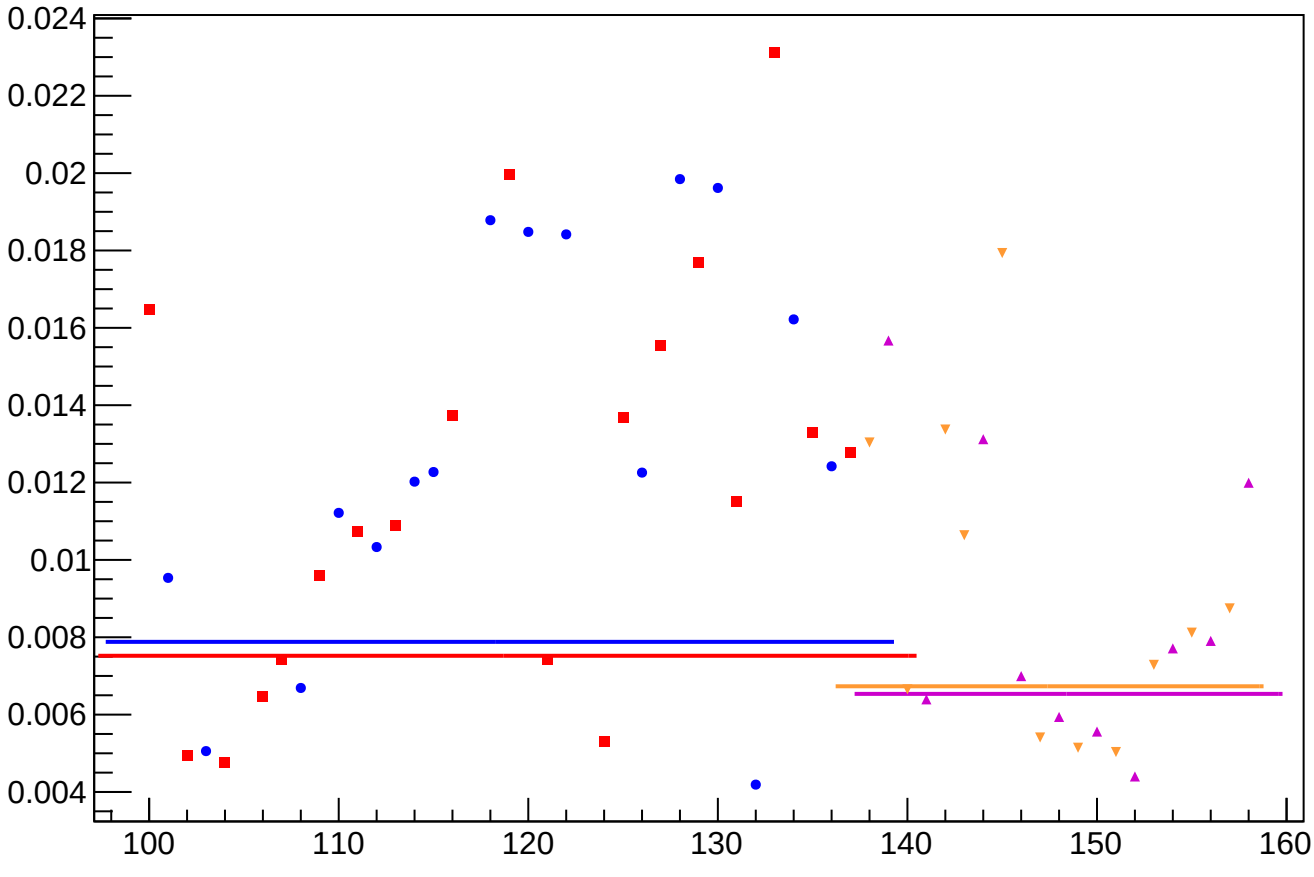
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:21.3/25

Out: -0.000+/-0.000 χ^2/NDF:42.4/29

All: -0.000+/-0.000 χ^2/NDF: 63.8/55

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: 0.007+/-0.000 χ^2/NDF:1949040.5/10

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1850327.6/9

Left: 0.007+/-0.000 χ^2/NDF: 3805870.3/20

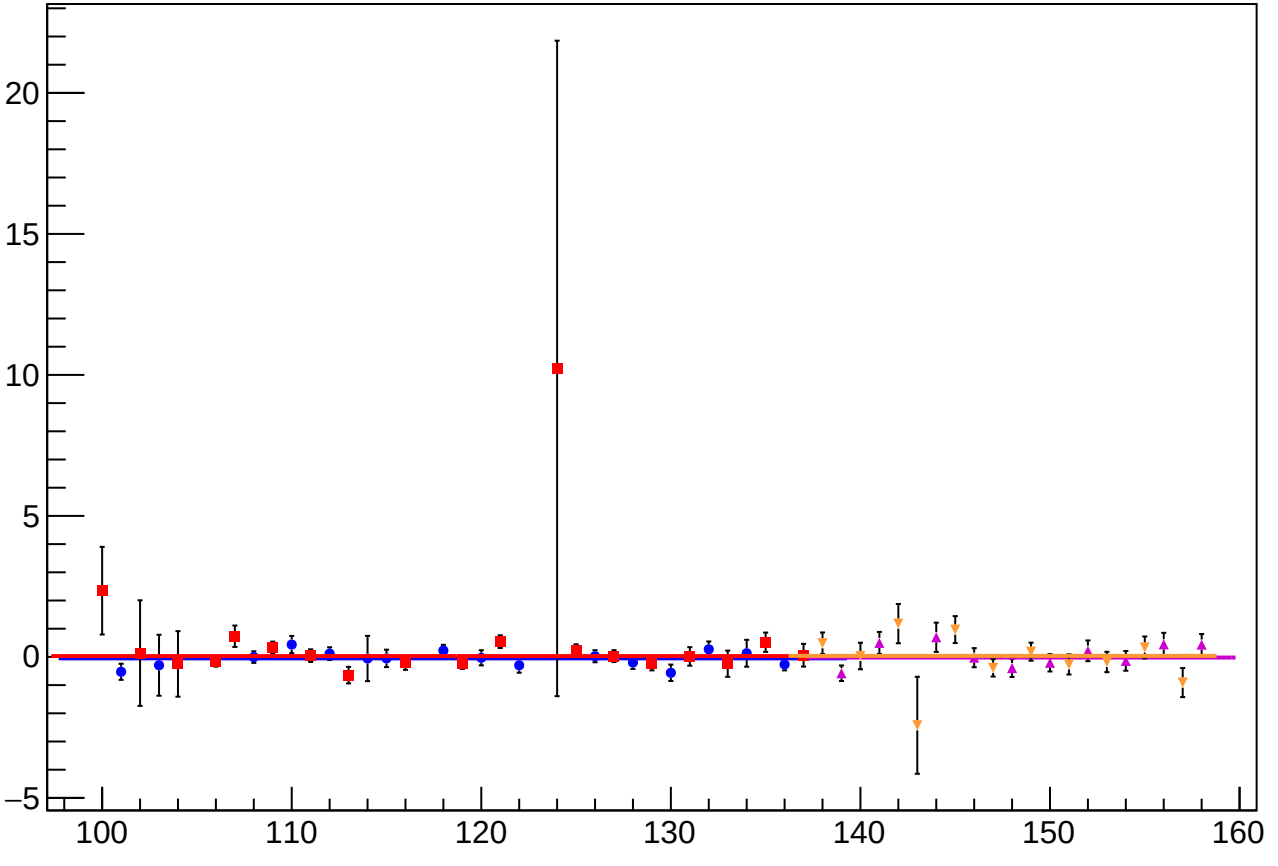
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:5360192.4/25

Out: 0.007+/-0.000 χ^2/NDF:5002765.5/29

All: 0.007+/-0.000 χ^2/NDF: 10363508.6/55

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: 0.037+/-0.125 χ^2/NDF:17.1/10

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.023+/-0.111 χ^2/NDF:12.9/9

Left: 0.004+/-0.083 χ^2/NDF: 30.1/20

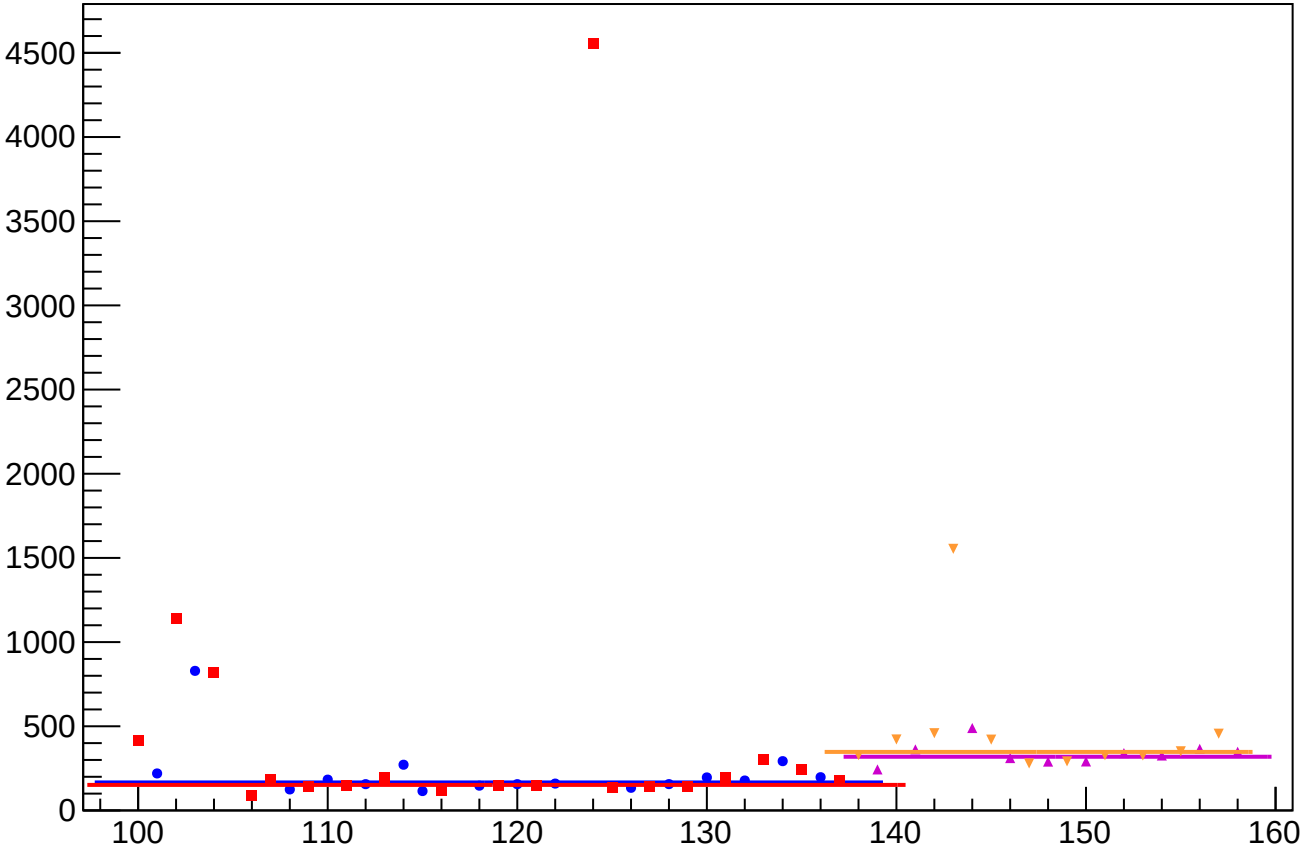
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.044+/-0.057 χ^2/NDF:27.8/25

Out: 0.031+/-0.057 χ^2/NDF:44.6/29

All: -0.006+/-0.040 χ^2/NDF: 73.3/55

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: 347.745+/-0.088 χ^2/NDF:1397144.0/10

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 319.017+/-0.078 χ^2/NDF:471468.8/9

Left: 331.694+/-0.059 χ^2/NDF: 1927865.4/20

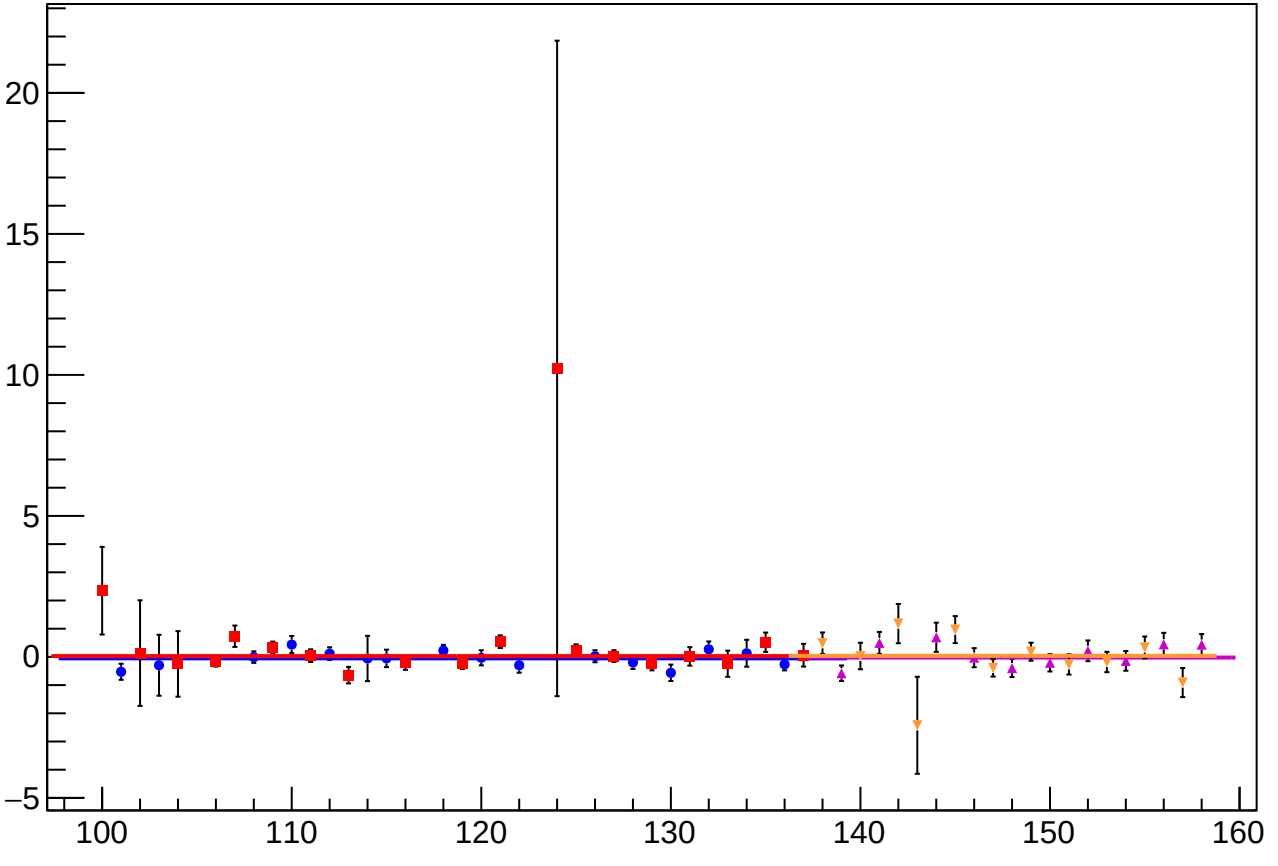
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 206.949+/-0.040 χ^2/NDF:4537476.4/25

Out: 192.638+/-0.040 χ^2/NDF:7618525.4/29

All: 199.767+/-0.029 χ^2/NDF: 12218893.9/55

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: 0.037+/-0.125 χ^2/NDF:17.1/10

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.023+/-0.111 χ^2/NDF:12.9/9

Left: 0.004+/-0.083 χ^2/NDF: 30.1/20

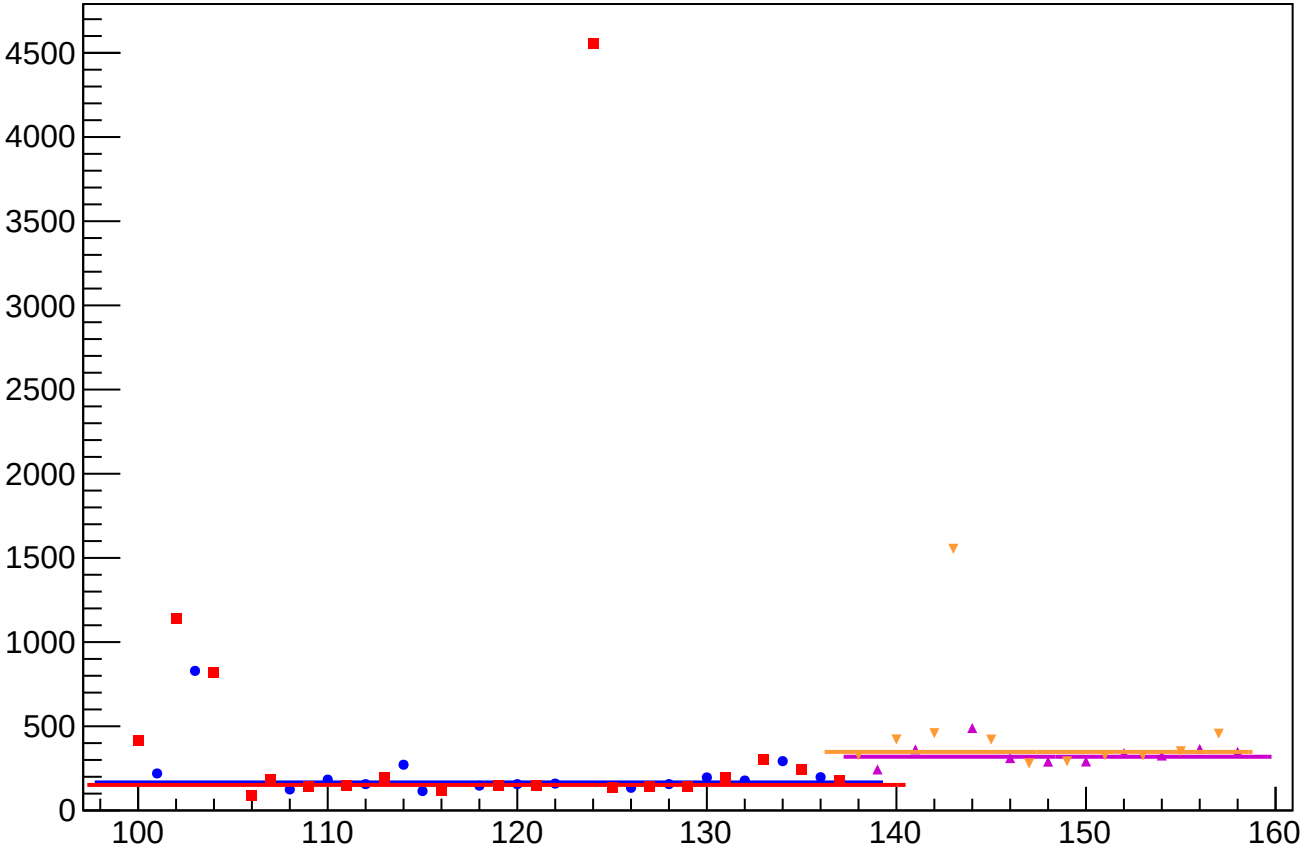
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.044+/-0.057 χ^2/NDF:27.8/25

Out: 0.031+/-0.057 χ^2/NDF:44.6/29

All: -0.006+/-0.040 χ^2/NDF: 73.3/55

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: 347.745+/-0.088 χ^2/NDF:1397144.0/10

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 319.017+/-0.078 χ^2/NDF:471468.8/9

Left: 331.694+/-0.059 χ^2/NDF: 1927865.4/20

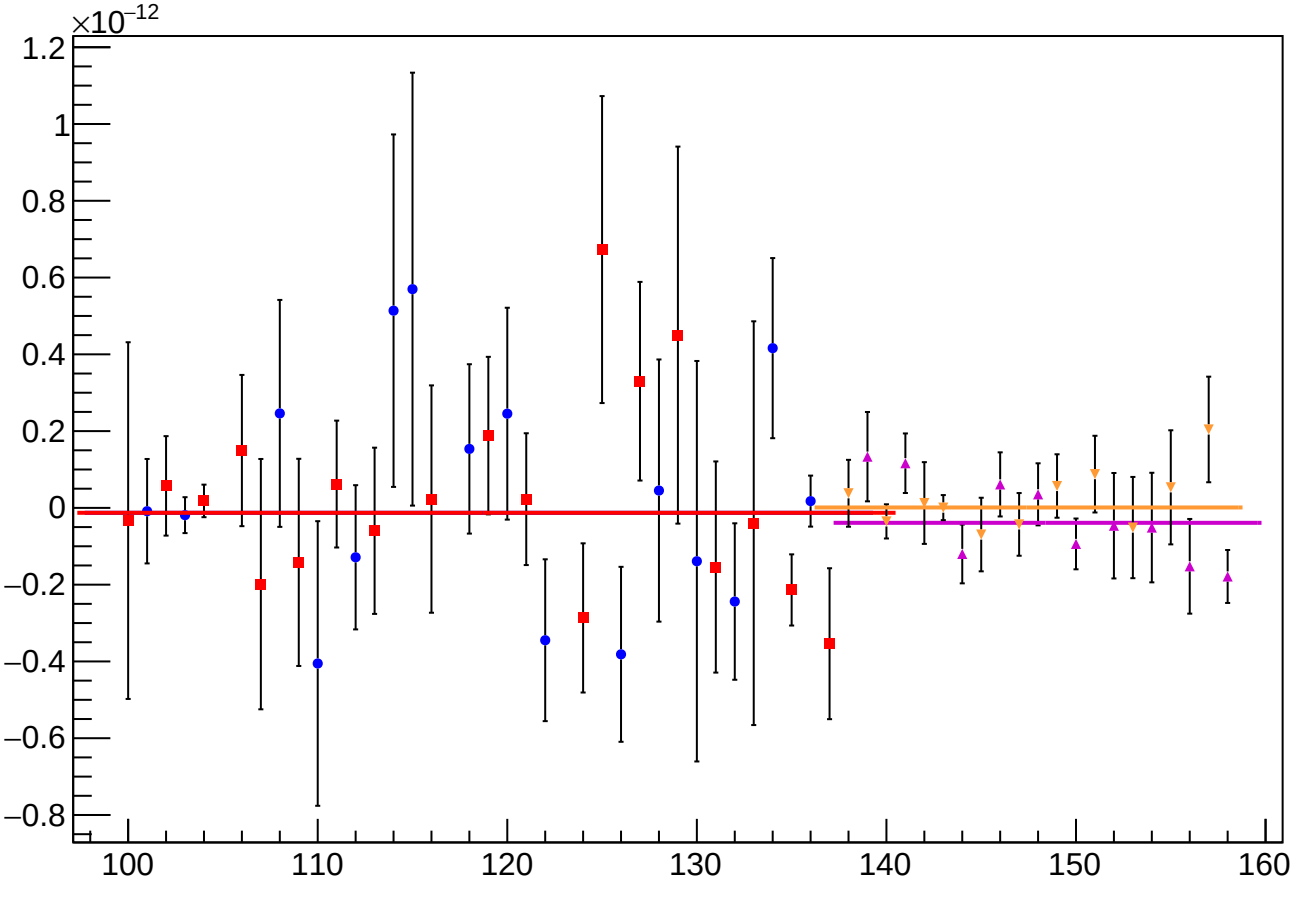
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 206.949+/-0.040 χ^2/NDF:4537476.4/25

Out: 192.638+/-0.040 χ^2/NDF:7618525.4/29

All: 199.767+/-0.029 χ^2/NDF: 12218893.9/55

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:5.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/9

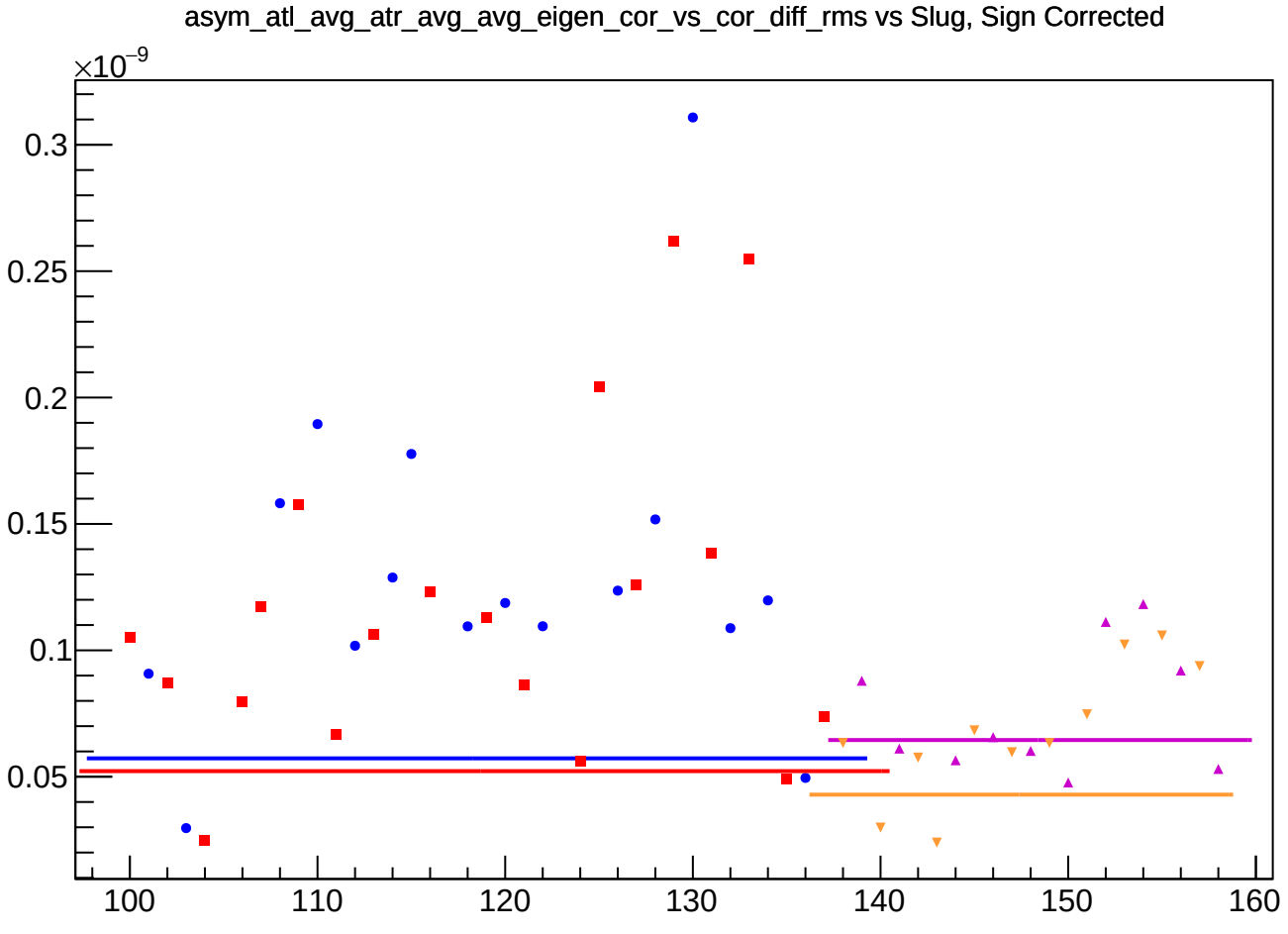
Left: -0.000+/-0.000 χ^2/NDF: 22.0/20

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:31.8/25

Out: -0.000+/-0.000 χ^2/NDF:24.4/29

All: -0.000+/-0.000 χ^2/NDF: 57.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2583483.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:911917.0/9

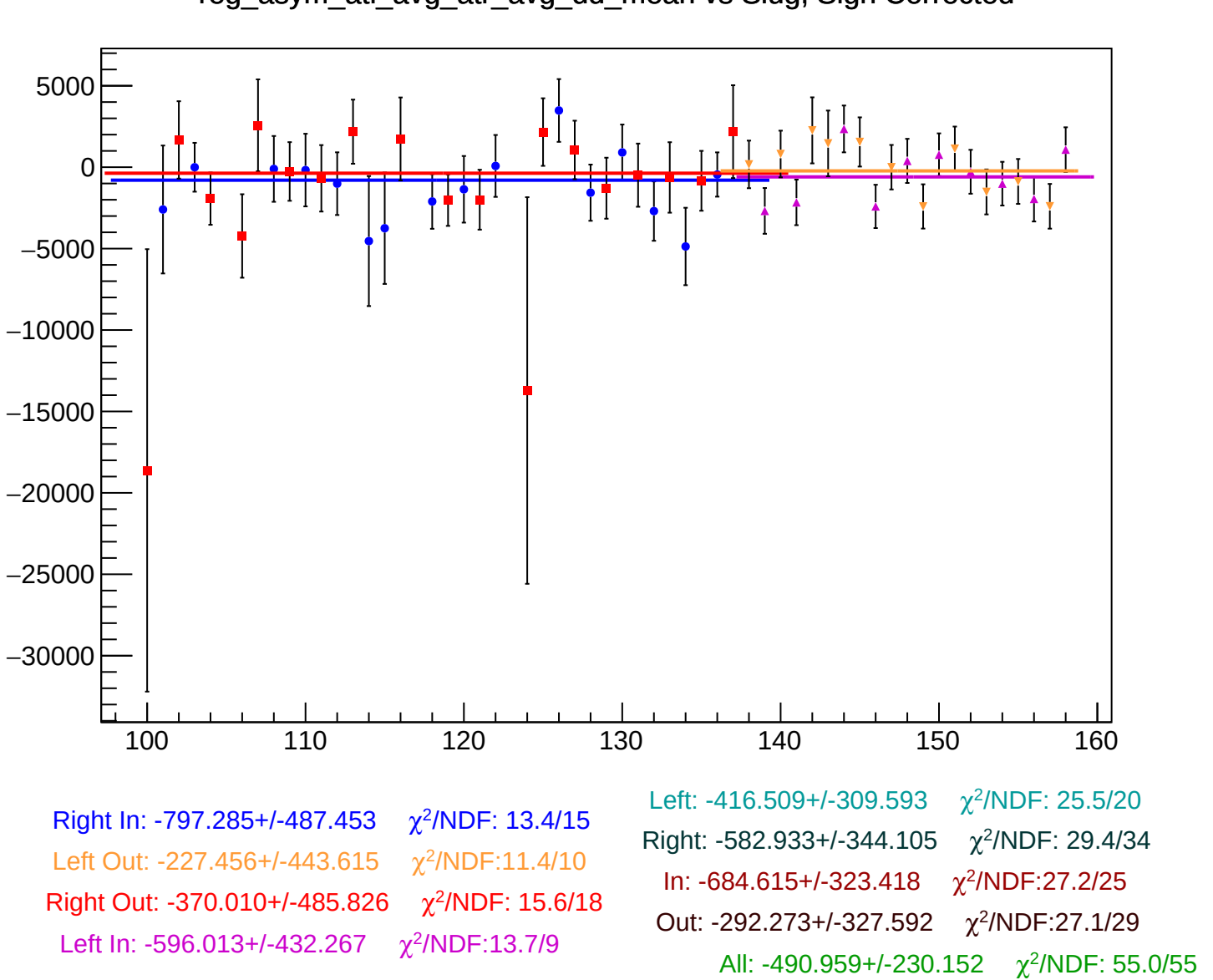
Left: 0.000+/-0.000 χ^2/NDF: 4278506.6/20

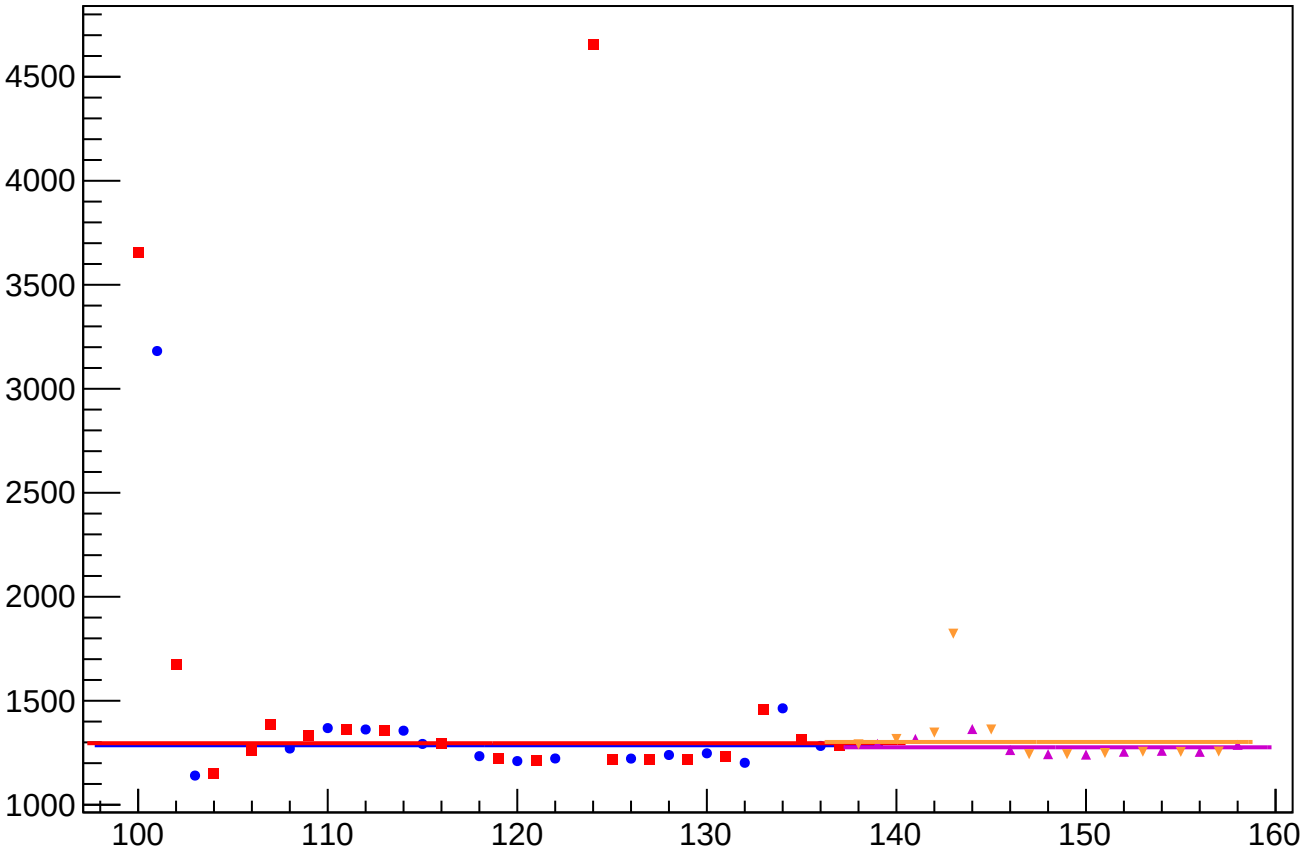
Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3951929.0/25

Out: 0.000+/-0.000 χ^2/NDF:5992993.9/29

All: 0.000+/-0.000 χ^2/NDF: 10612769.4/55


reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: -227.456+/-443.615 χ²/NDF:11.4/10
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -596.013+/-432.267 χ²/NDF:13.7/9
Left: -416.509+/-309.593 χ²/NDF: 25.5/20
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -684.615+/-323.418 χ²/NDF:27.2/25
Out: -292.273+/-327.592 χ²/NDF:27.1/29
All: -490.959+/-230.152 χ²/NDF: 55.0/55



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1288.815+/-0.219 χ^2/NDF: 172251.7/20

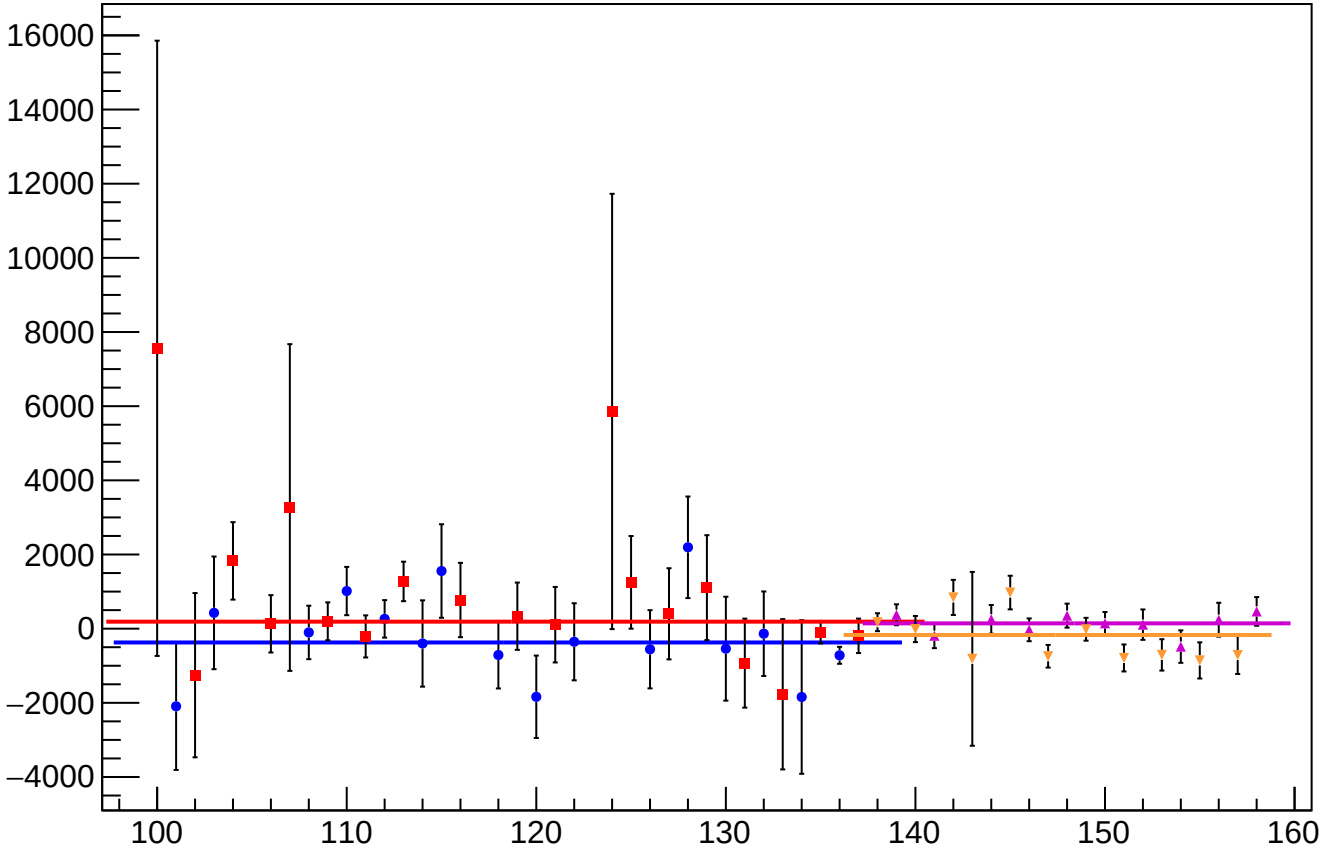
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1280.612+/-0.229 χ^2/NDF:532276.5/25

Out: 1299.244+/-0.232 χ^2/NDF:483351.3/29

All: 1289.809+/-0.163 χ^2/NDF: 1018903.9/55

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: -170.354+/-113.850 χ^2/NDF:24.6/10

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 143.110+/-110.579 χ^2/NDF:5.3/9

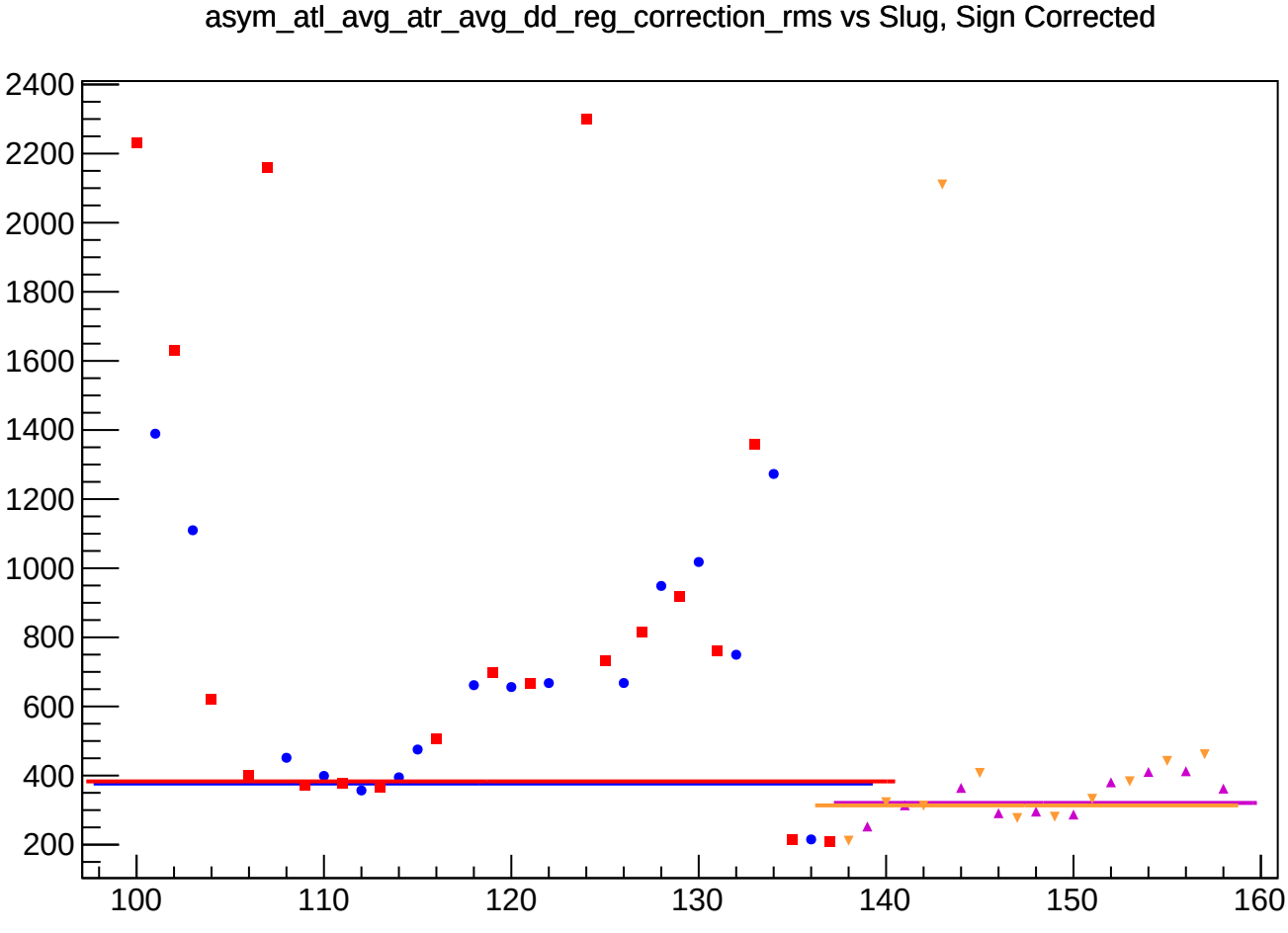
Left: -9.054+/-79.322 χ^2/NDF: 33.8/20

Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -12.432+/-92.400 χ^2/NDF:30.0/25

Out: -58.718+/-94.523 χ^2/NDF:42.4/29

All: -35.049+/-66.074 χ^2/NDF: 72.5/55



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 313.671+/-0.081 χ^2/NDF:2037953.1/10

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 320.794+/-0.078 χ^2/NDF:427716.1/9

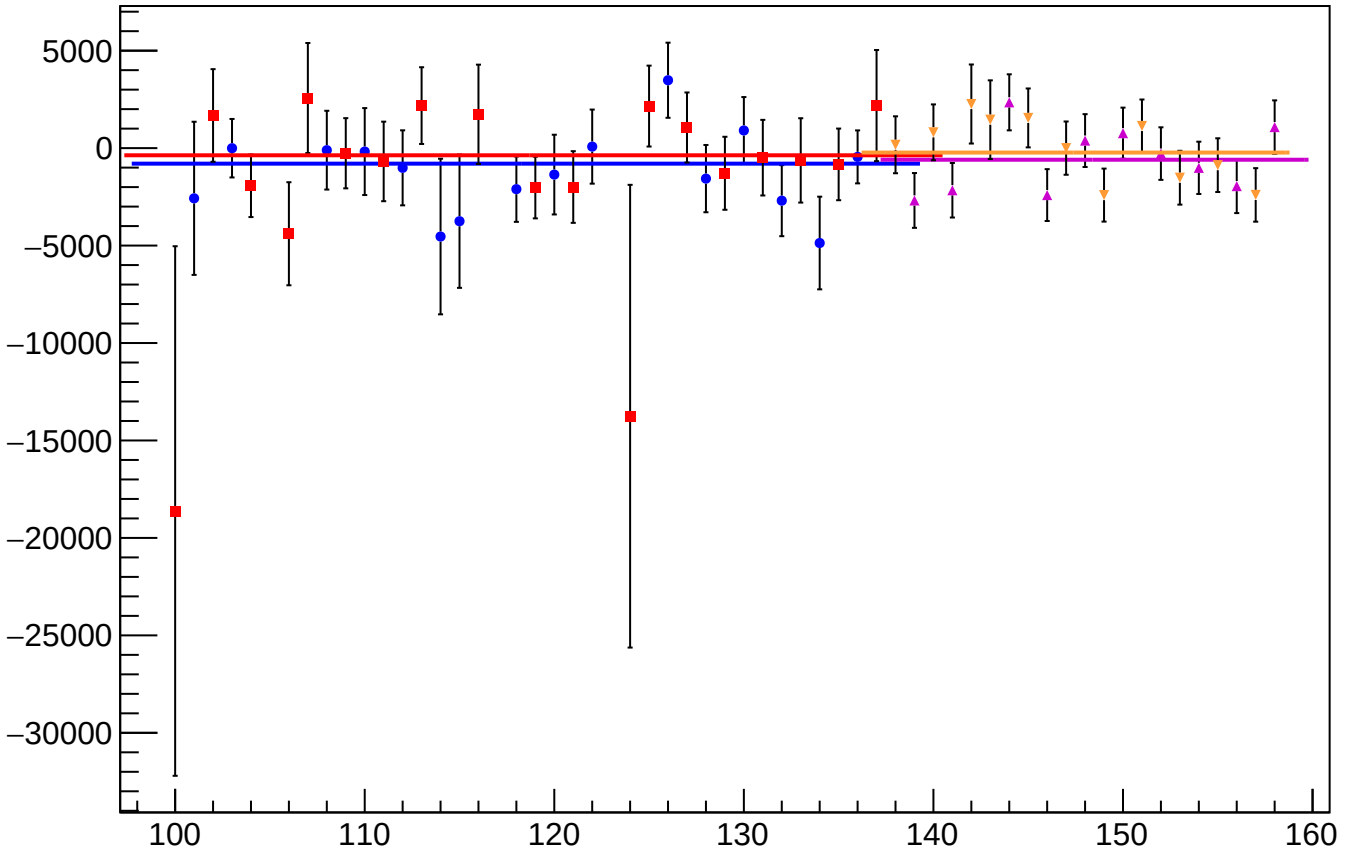
Left: 317.336+/-0.056 χ^2/NDF: 2469697.1/20

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 337.723+/-0.065 χ^2/NDF:4773244.9/25

Out: 335.235+/-0.067 χ^2/NDF:6322995.4/29

All: 336.507+/-0.047 χ^2/NDF: 11096948.7/55



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -227.417+/-443.616 χ^2/NDF:11.4/10

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -595.971+/-432.267 χ^2/NDF:13.7/9

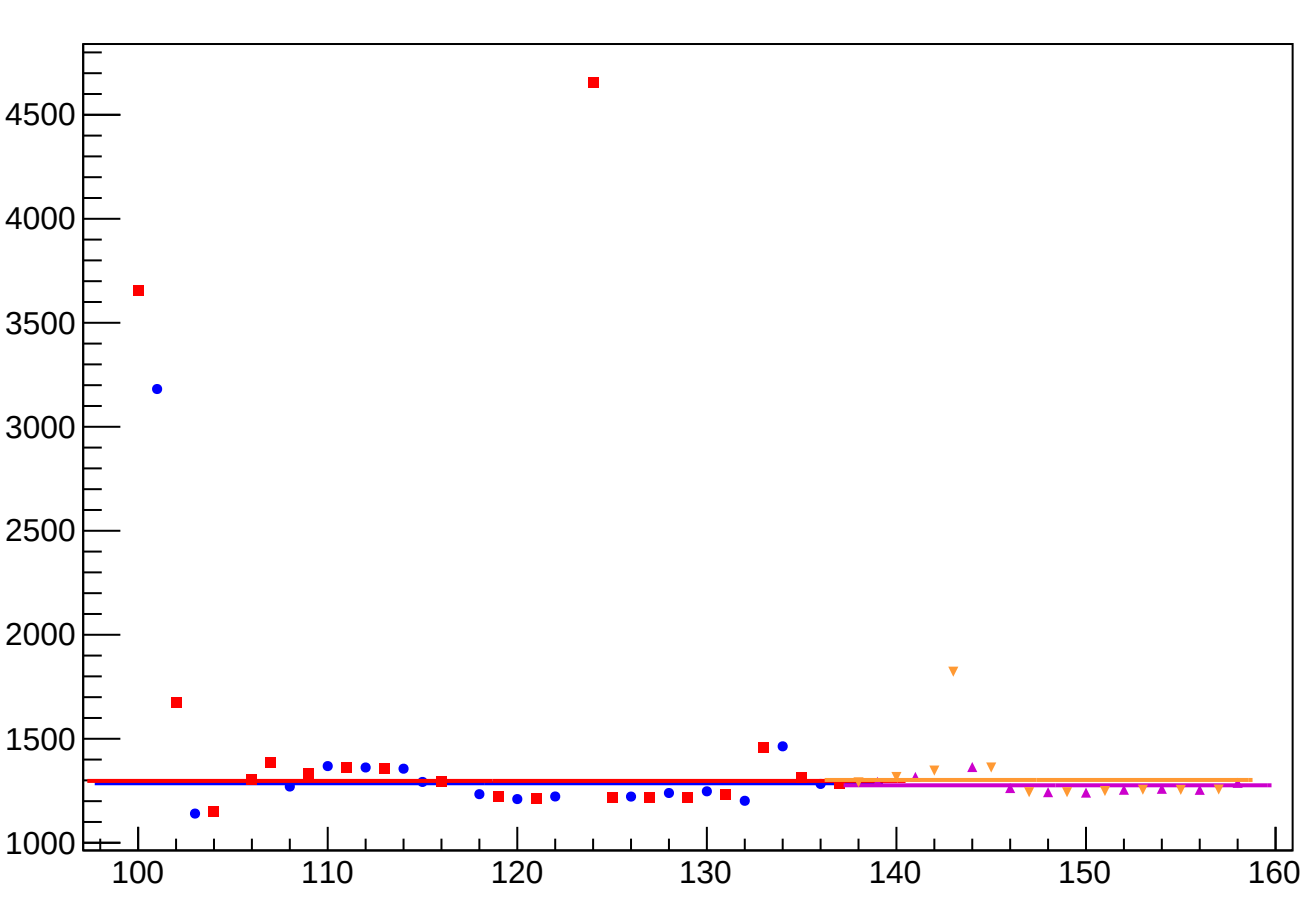
Left: -416.469+/-309.593 χ^2/NDF: 25.5/20

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -684.415+/-323.418 χ^2/NDF:27.2/25

Out: -291.024+/-327.752 χ^2/NDF:27.1/29

All: -490.338+/-230.208 χ^2/NDF: 55.1/55



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1288.815+/-0.219 χ^2/NDF: 172251.7/20

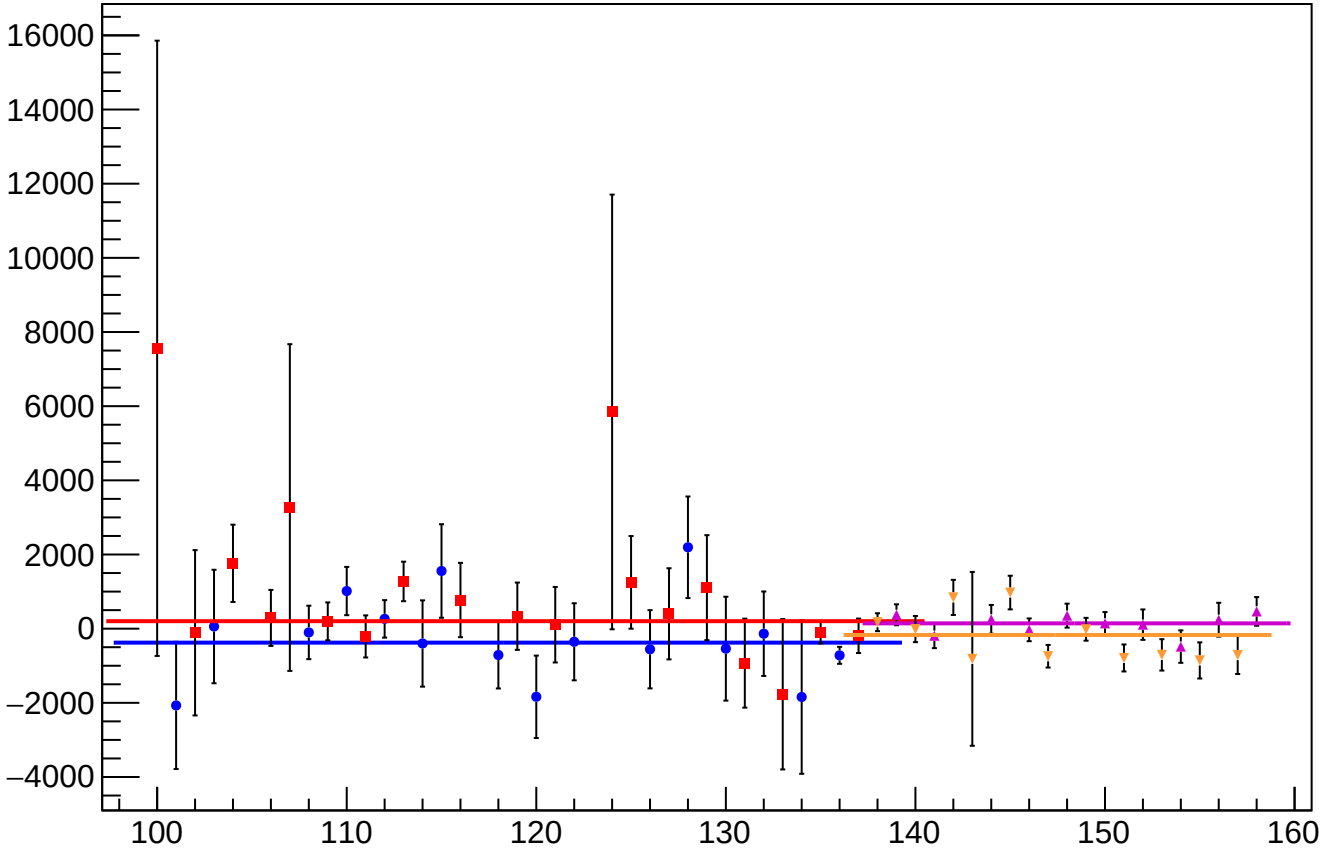
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1280.612+/-0.229 χ^2/NDF:532277.9/25

Out: 1299.906+/-0.232 χ^2/NDF:482951.5/29

All: 1290.131+/-0.163 χ^2/NDF: 1018740.9/55

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: -170.381+/-113.853 χ^2/NDF:24.6/10

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 143.134+/-110.579 χ^2/NDF:5.3/9

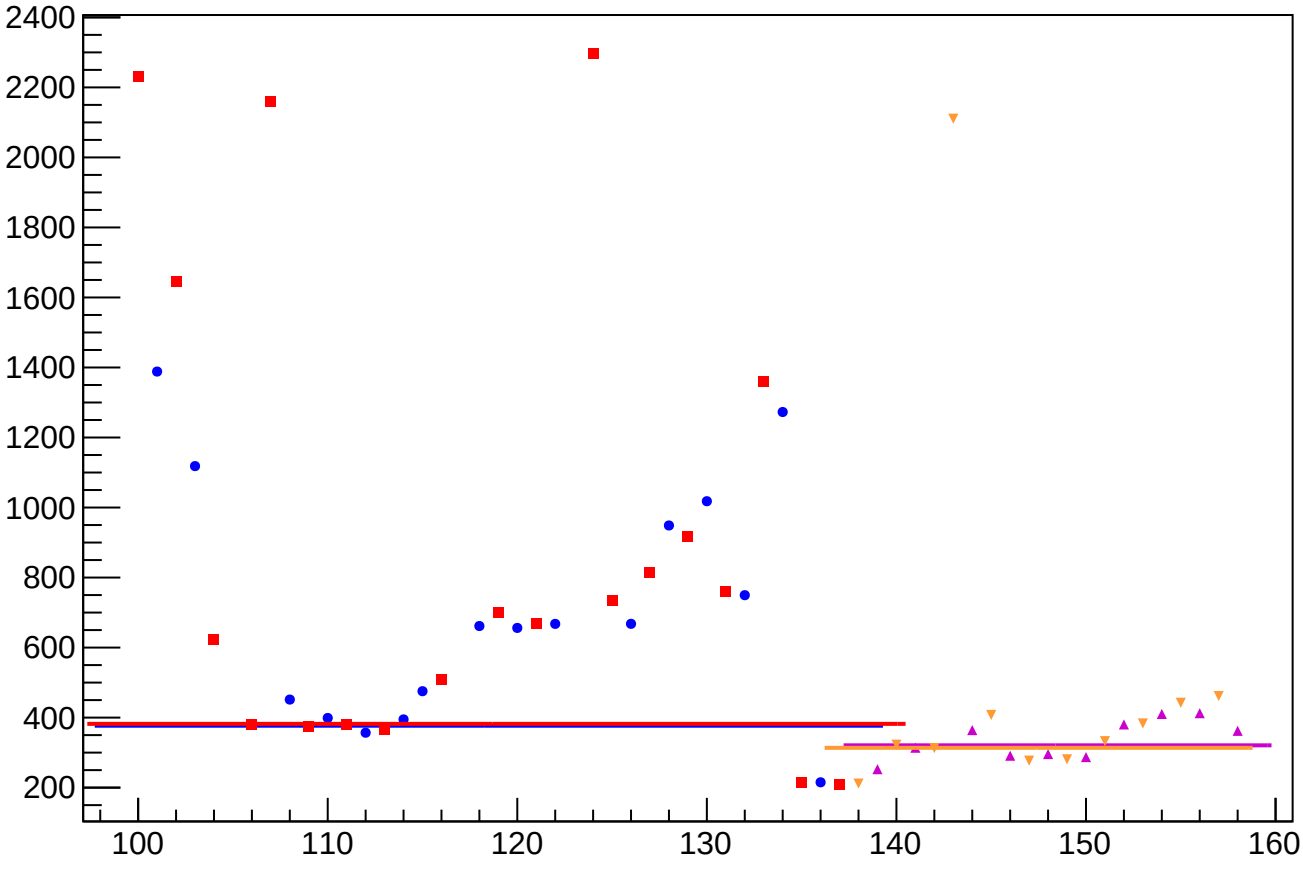
Left: -9.051+/-79.323 χ^2/NDF: 33.8/20

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -13.731+/-92.403 χ^2/NDF:29.9/25

Out: -54.446+/-94.490 χ^2/NDF:42.0/29

All: -33.634+/-66.064 χ^2/NDF: 72.0/55



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.681+/-0.081 χ^2/NDF:2037877.2/10

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

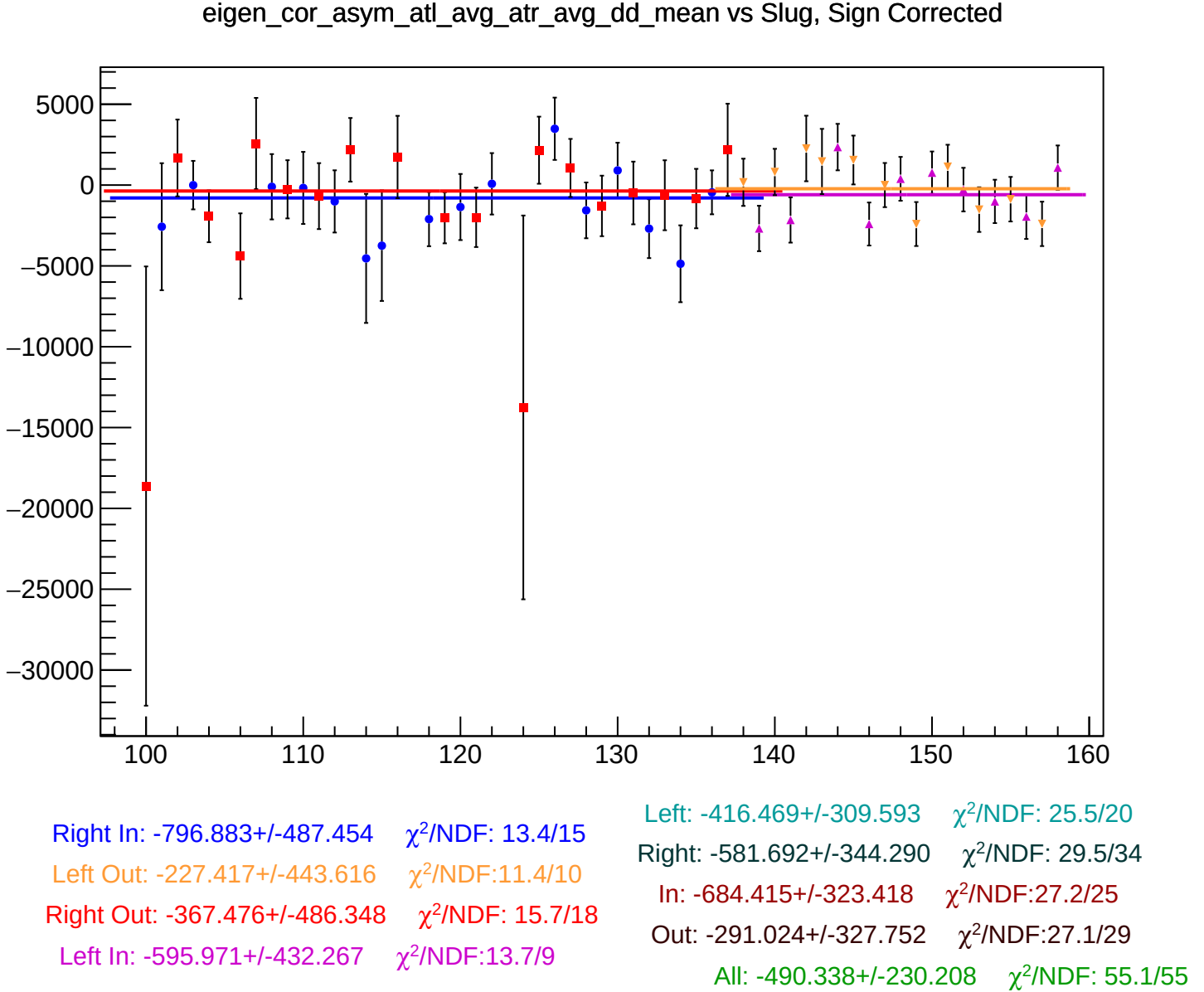
Left: 317.340+/-0.056 χ^2/NDF: 2469670.2/20

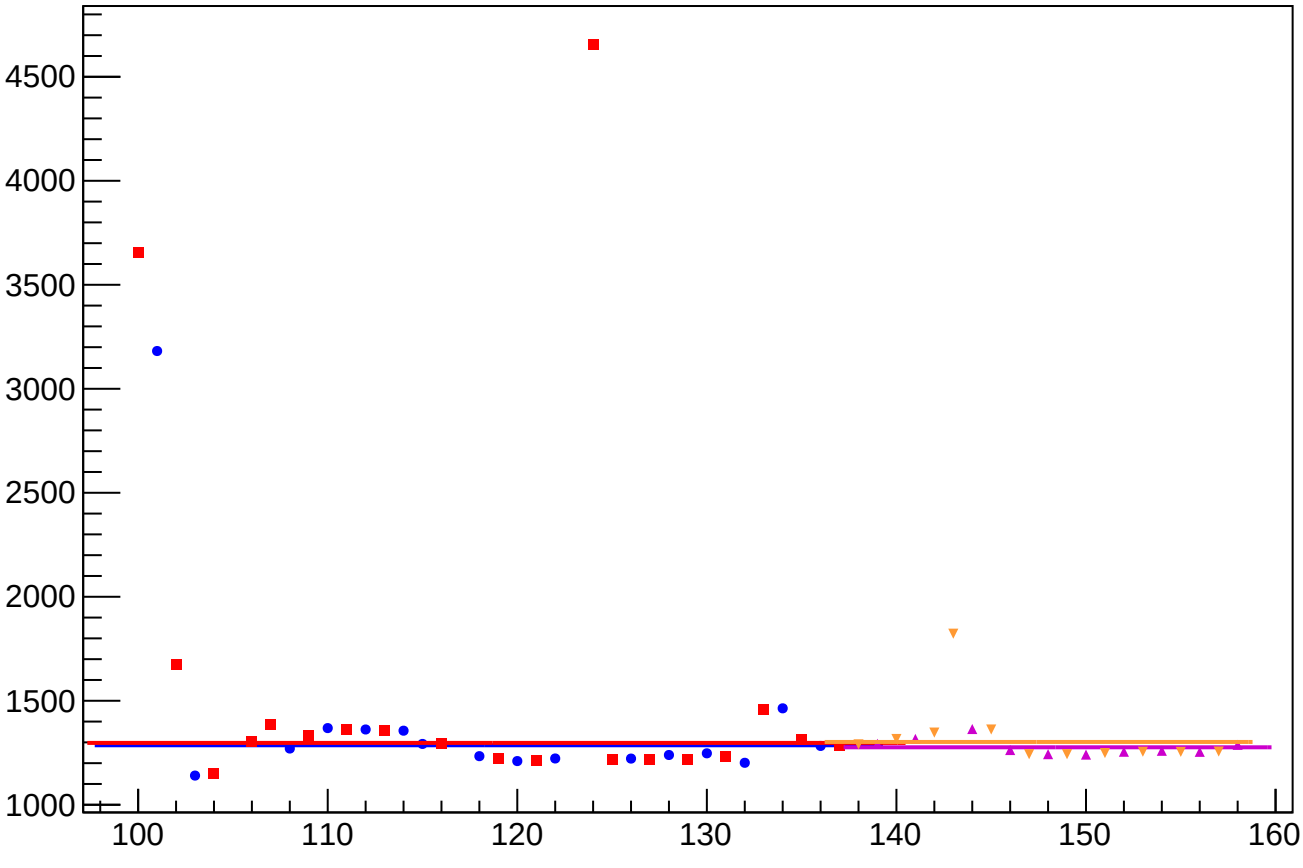
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 337.716+/-0.065 χ^2/NDF:4776375.0/25

Out: 334.985+/-0.067 χ^2/NDF:6322493.0/29

All: 336.381+/-0.047 χ^2/NDF: 11099721.9/55


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -227.417+/-443.616 χ²/NDF:11.4/10
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -595.971+/-432.267 χ²/NDF:13.7/9
Left: -416.469+/-309.593 χ²/NDF: 25.5/20
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -684.415+/-323.418 χ²/NDF:27.2/25
Out: -291.024+/-327.752 χ²/NDF:27.1/29
All: -490.338+/-230.208 χ²/NDF: 55.1/55



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1288.815+/-0.219 χ^2/NDF: 172251.7/20

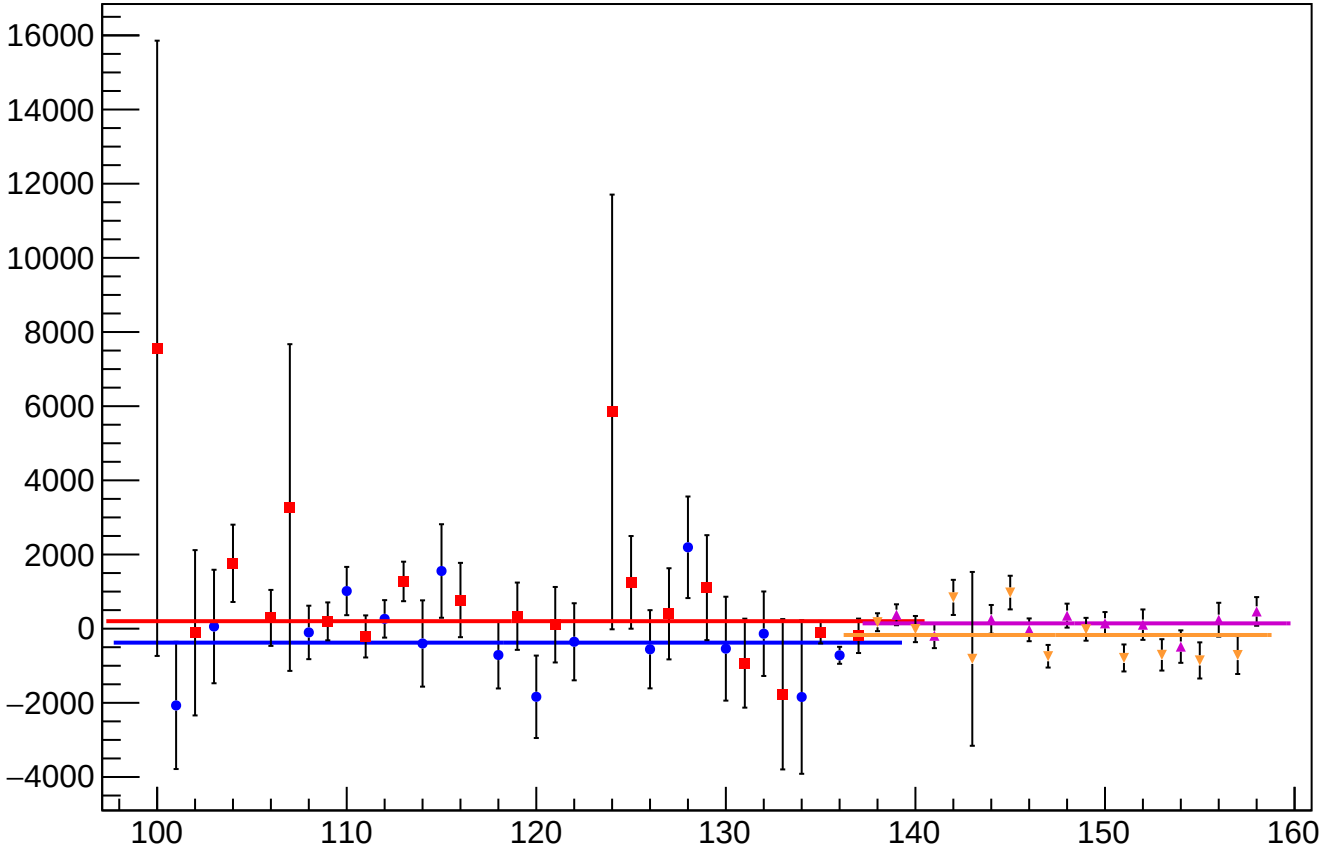
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1280.612+/-0.229 χ^2/NDF:532277.9/25

Out: 1299.906+/-0.232 χ^2/NDF:482951.5/29

All: 1290.131+/-0.163 χ^2/NDF: 1018740.9/55

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: -170.381+/-113.853 χ^2/NDF:24.6/10

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 143.134+/-110.579 χ^2/NDF:5.3/9

Left: -9.051+/-79.323 χ^2/NDF: 33.8/20

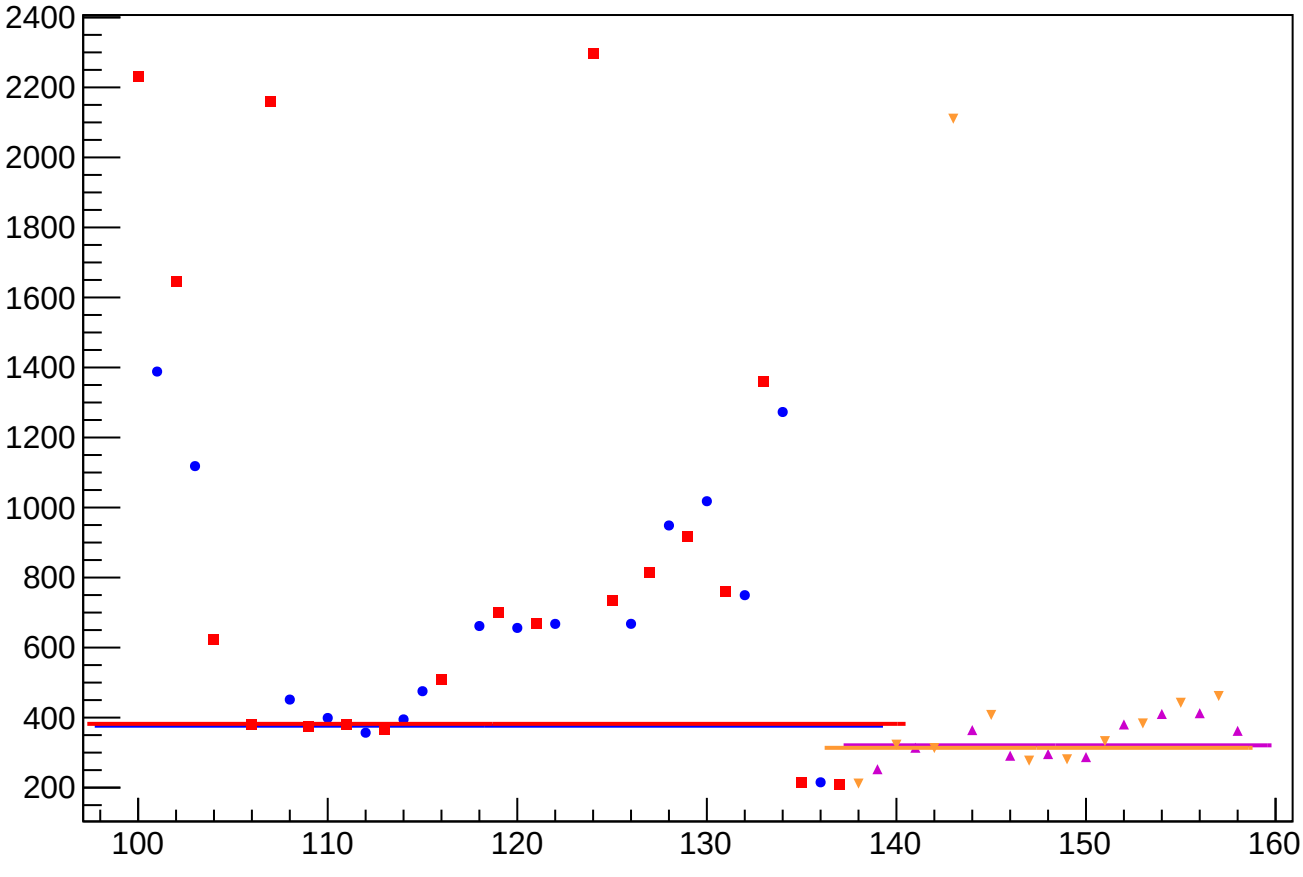
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -13.731+/-92.403 χ^2/NDF:29.9/25

Out: -54.446+/-94.490 χ^2/NDF:42.0/29

All: -33.634+/-66.064 χ^2/NDF: 72.0/55

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: 313.681+/-0.081 χ^2/NDF:2037877.2/10

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

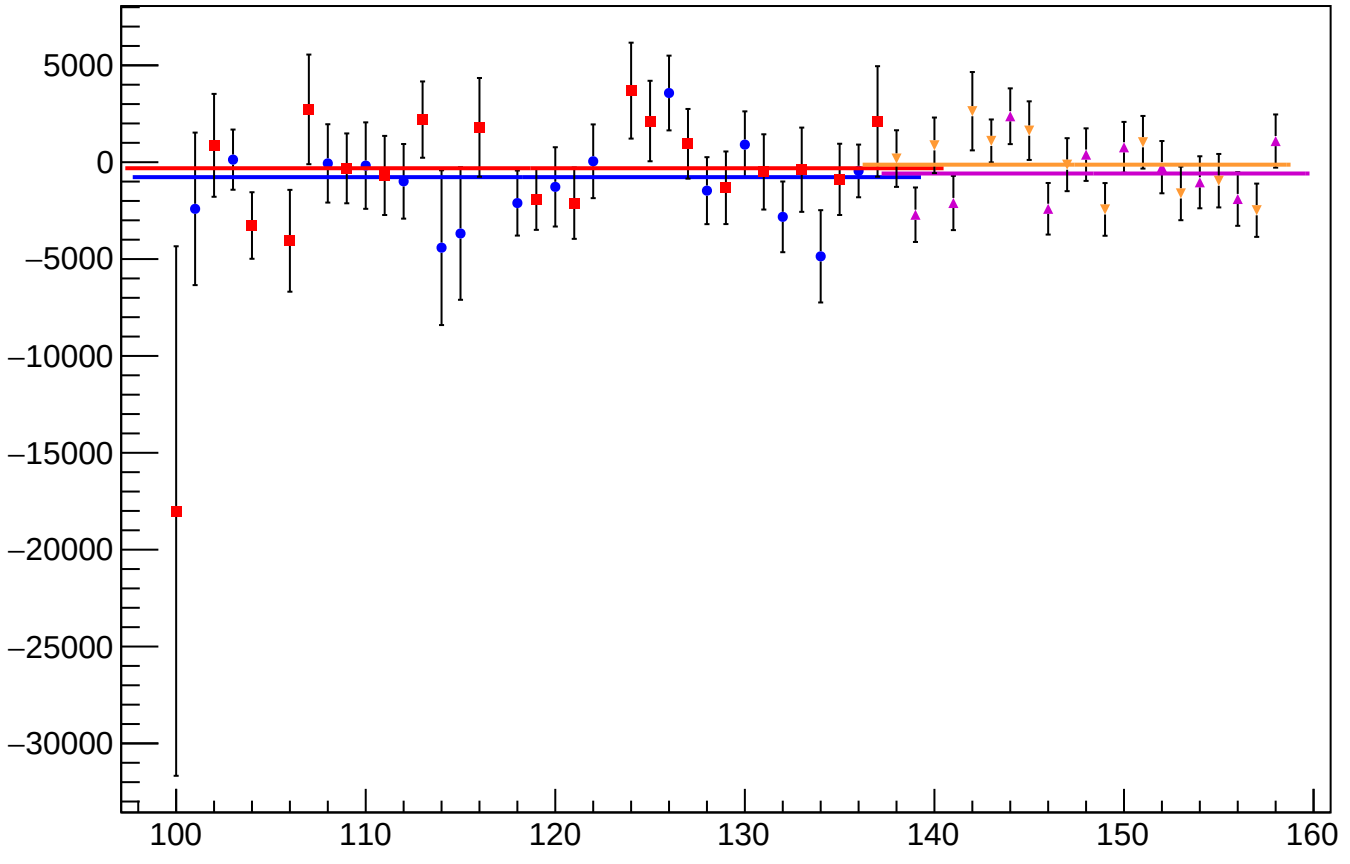
Left: 317.340+/-0.056 χ^2/NDF: 2469670.2/20

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 337.716+/-0.065 χ^2/NDF:4776375.0/25

Out: 334.985+/-0.067 χ^2/NDF:6322493.0/29

All: 336.381+/-0.047 χ^2/NDF: 11099721.9/55



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -127.600+/-420.856 χ^2/NDF:13.0/10

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -583.693+/-432.619 χ^2/NDF:13.7/9

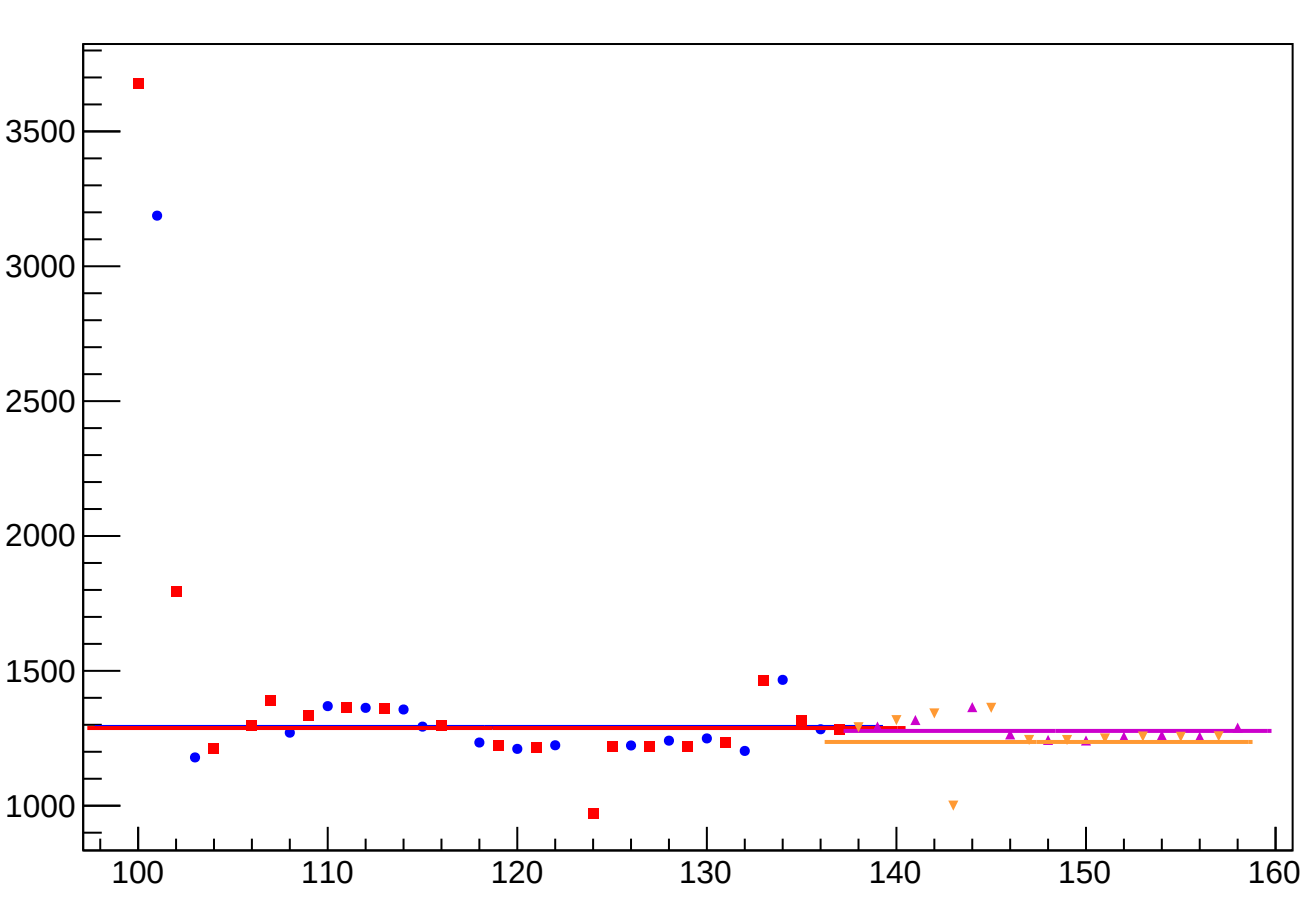
Left: -349.361+/-301.663 χ^2/NDF: 27.3/20

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -666.036+/-324.192 χ^2/NDF:27.4/25

Out: -206.997+/-317.200 χ^2/NDF:31.0/29

All: -431.513+/-226.726 χ^2/NDF: 59.4/55



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121113.6/10

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

Left: 1256.293+/-0.213 χ^2/NDF: 144085.8/20

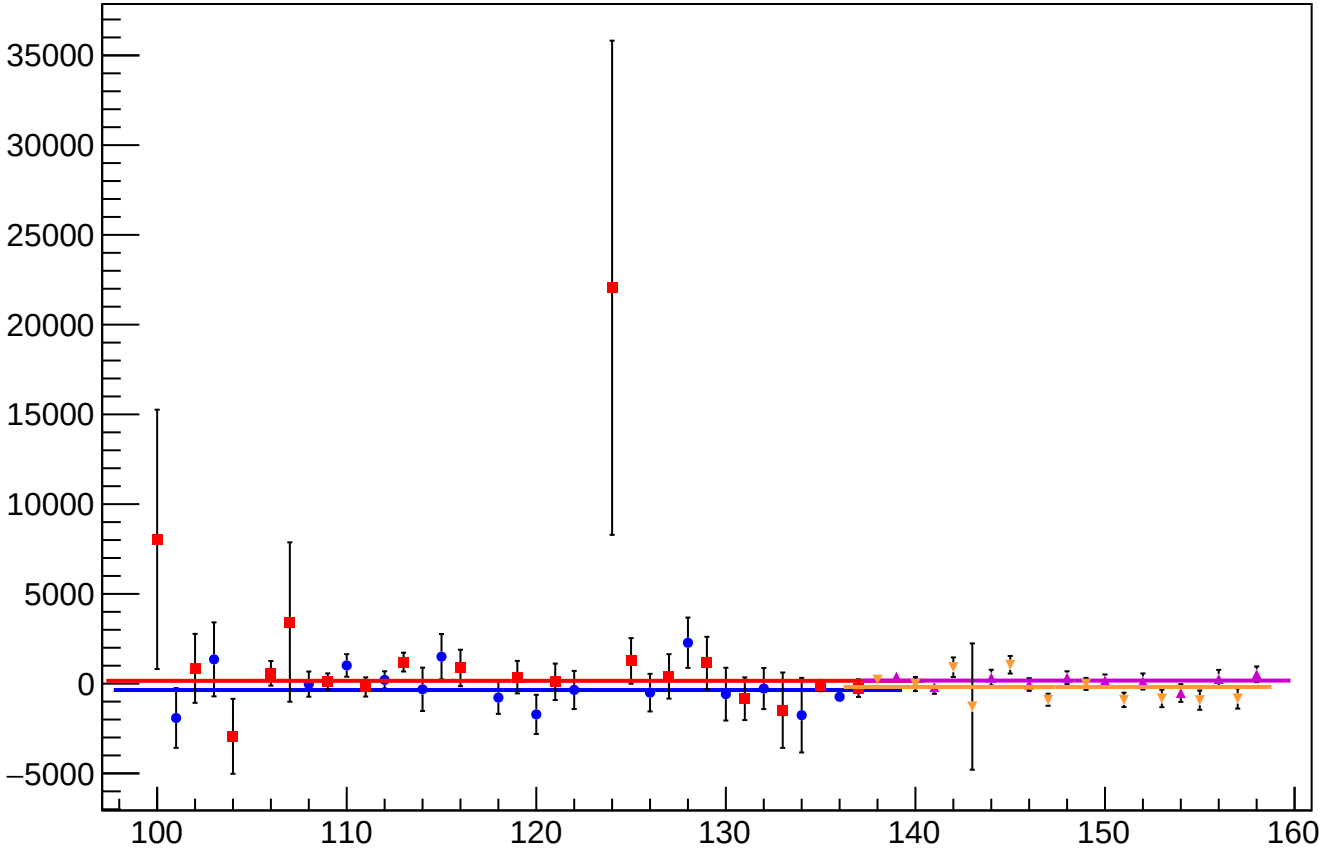
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1283.781+/-0.229 χ^2/NDF:524182.7/25

Out: 1258.671+/-0.224 χ^2/NDF:343312.7/29

All: 1270.953+/-0.160 χ^2/NDF: 873625.2/55

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -185.017+/-123.207 χ^2/NDF:26.4/10

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 171.795+/-120.669 χ^2/NDF:5.0/9

Left: -2.898+/-86.209 χ^2/NDF: 35.7/20

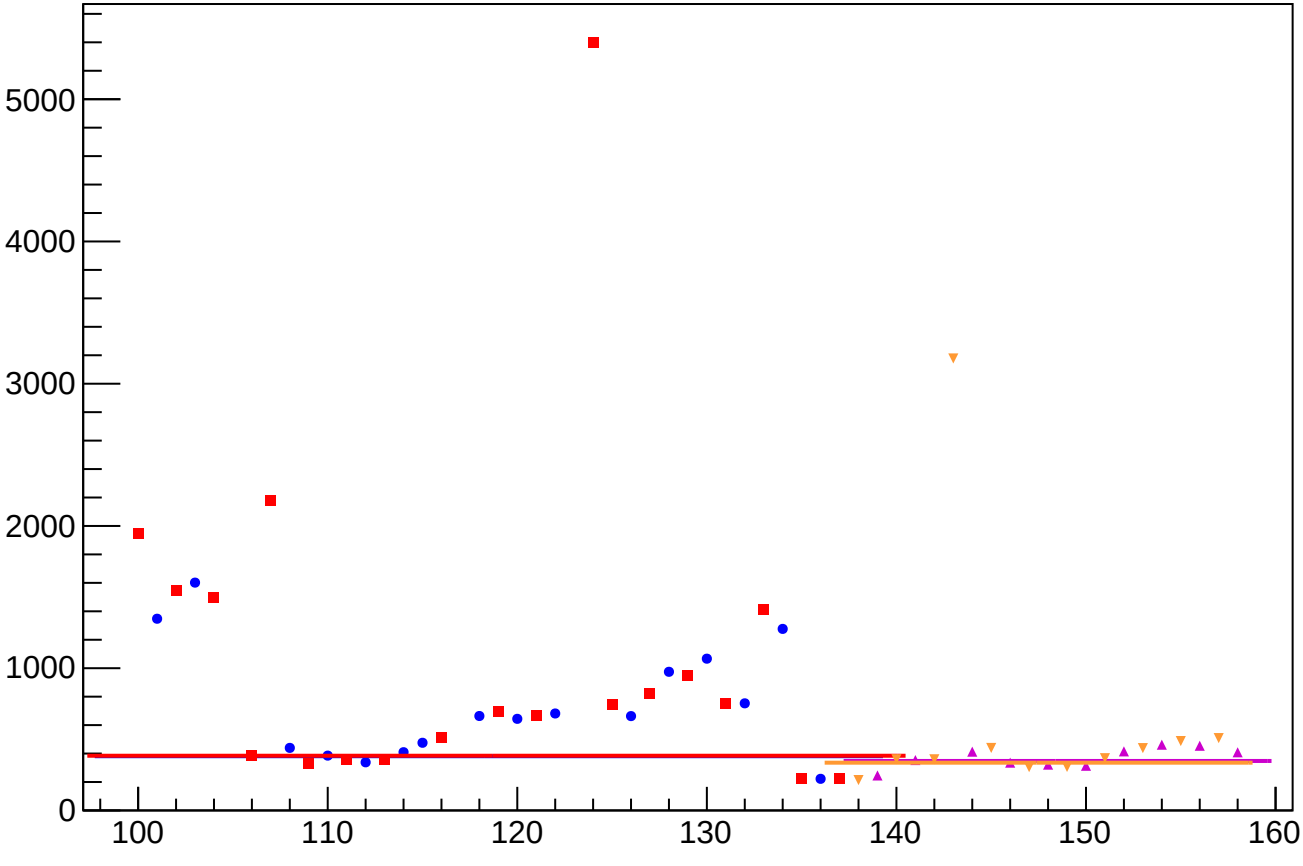
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -4.816+/-98.394 χ^2/NDF:29.8/25

Out: -66.611+/-99.694 χ^2/NDF:44.9/29

All: -35.308+/-70.030 χ^2/NDF: 74.9/55

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 335.838+/-0.087 χ^2/NDF:2392370.7/10

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 347.930+/-0.085 χ^2/NDF:632733.1/9

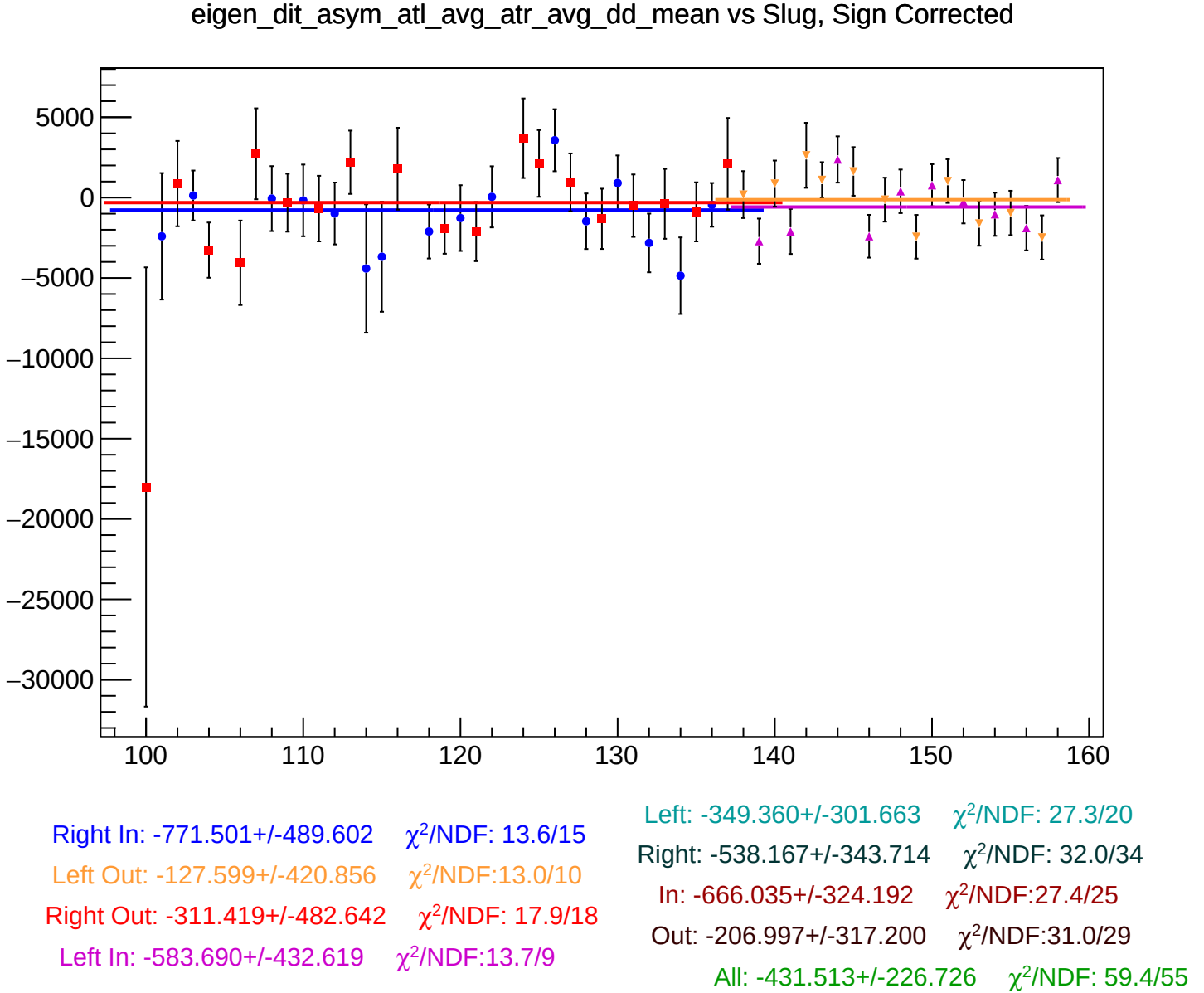
Left: 342.010+/-0.061 χ^2/NDF: 3034937.2/20

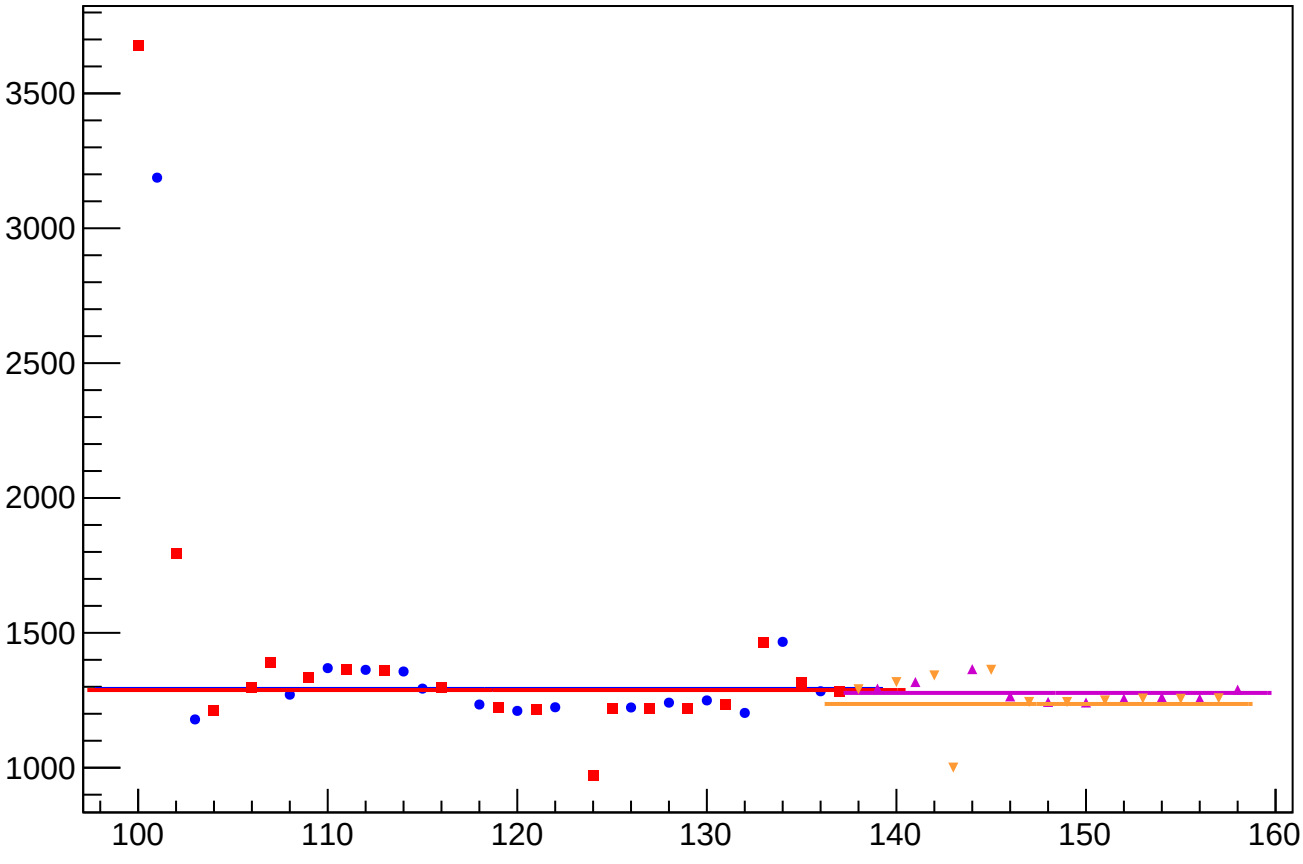
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 359.129+/-0.070 χ^2/NDF:5002061.6/25

Out: 352.691+/-0.070 χ^2/NDF:7060967.1/29

All: 355.952+/-0.050 χ^2/NDF: 12067253.9/55


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -127.599+/-420.856 χ²/NDF:13.0/10
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -583.690+/-432.619 χ²/NDF:13.7/9
Left: -349.360+/-301.663 χ²/NDF: 27.3/20
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -666.035+/-324.192 χ²/NDF:27.4/25
Out: -206.997+/-317.200 χ²/NDF:31.0/29
All: -431.513+/-226.726 χ²/NDF: 59.4/55



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121112.8/10

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

Left: 1256.293+/-0.213 χ^2/NDF: 144085.0/20

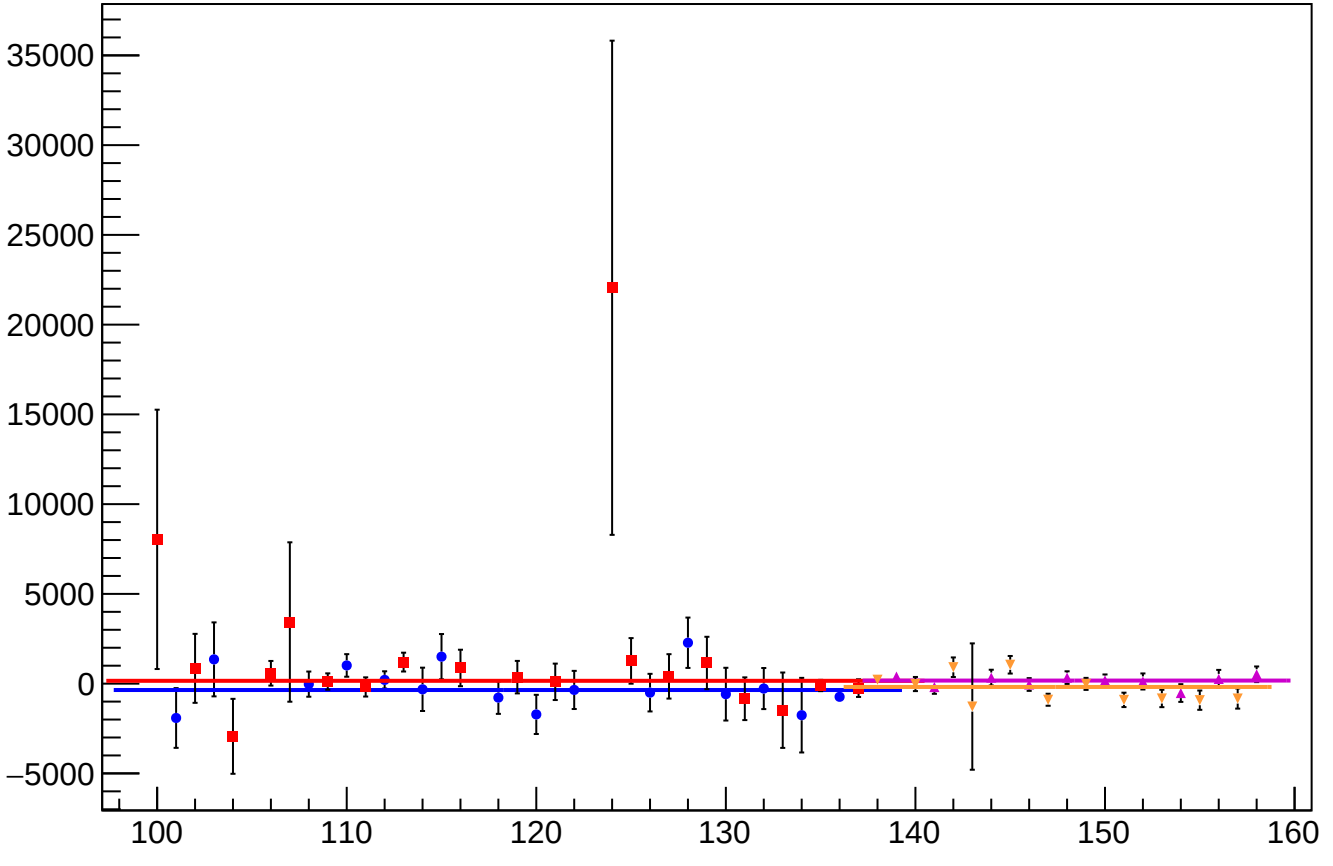
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1283.781+/-0.229 χ^2/NDF:524182.7/25

Out: 1258.671+/-0.224 χ^2/NDF:343312.1/29

All: 1270.953+/-0.160 χ^2/NDF: 873624.5/55

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: -185.027+/-123.209 χ^2/NDF:26.4/10

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 171.796+/-120.670 χ^2/NDF:5.0/9

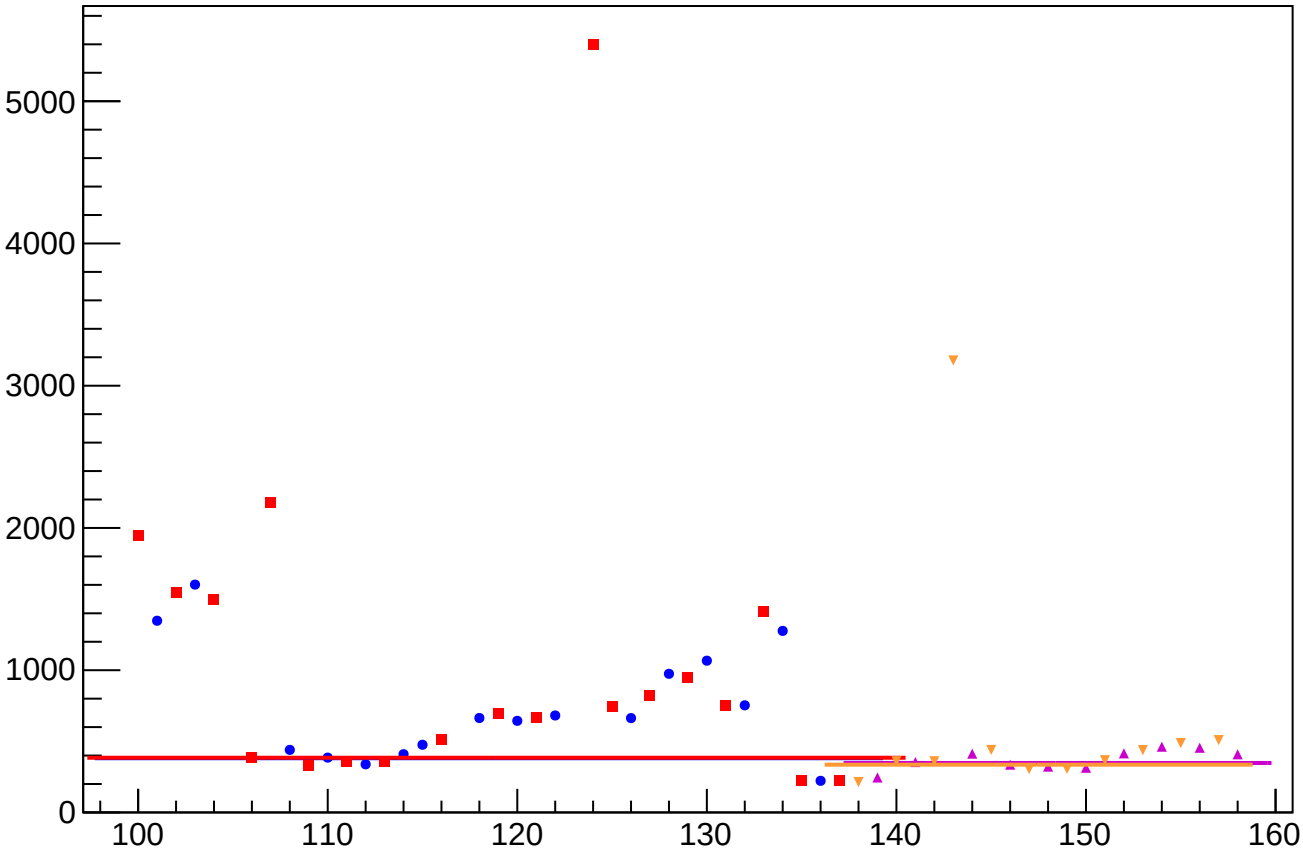
Left: -2.902+/-86.210 χ^2/NDF: 35.7/20

Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -4.814+/-98.395 χ^2/NDF:29.8/25

Out: -66.616+/-99.695 χ^2/NDF:44.9/29

All: -35.309+/-70.031 χ^2/NDF: 74.9/55



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 335.845+/-0.087 χ^2/NDF:2392215.4/10

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 347.935+/-0.085 χ^2/NDF:632641.8/9

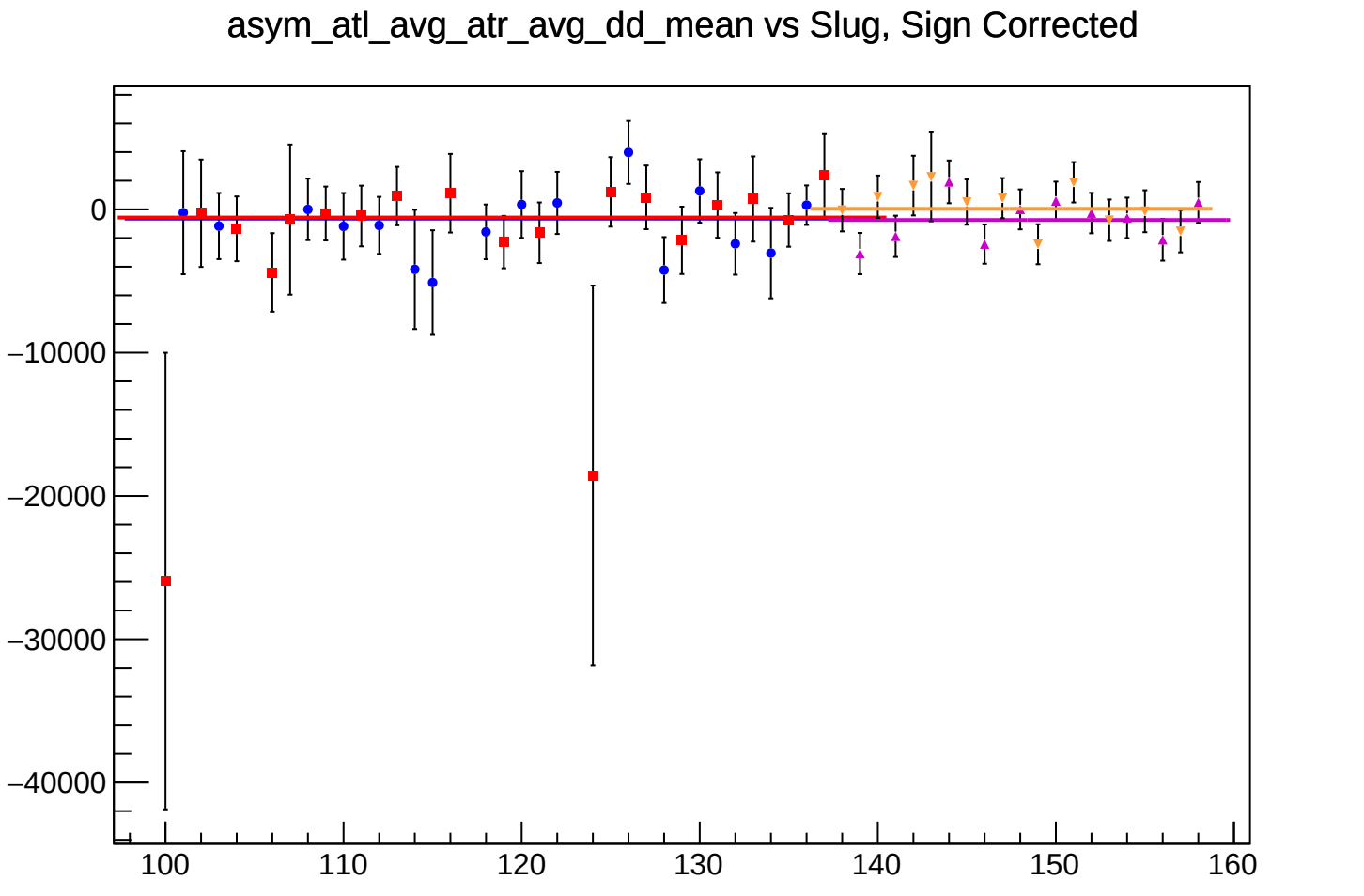
Left: 342.016+/-0.061 χ^2/NDF: 3034686.8/20

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 359.136+/-0.070 χ^2/NDF:5001799.4/25

Out: 352.699+/-0.070 χ^2/NDF:7060671.9/29

All: 355.959+/-0.050 χ^2/NDF: 12066695.3/55



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 40.365+/-467.204 χ^2/NDF:8.1/10

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -739.423+/-448.049 χ^2/NDF:11.0/9

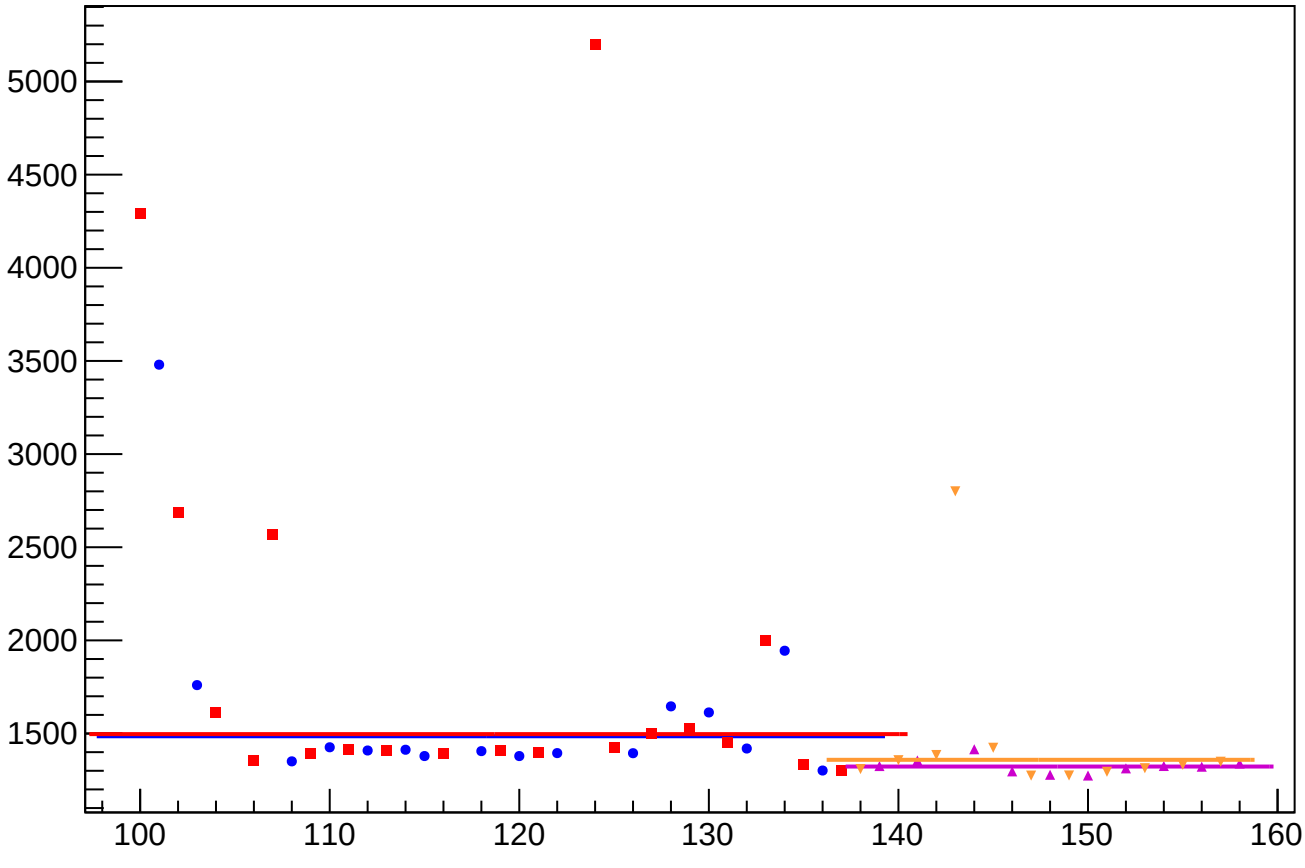
Left: -365.842+/-323.378 χ^2/NDF: 20.6/20

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -701.304+/-350.910 χ^2/NDF:23.5/25

Out: -205.469+/-360.509 χ^2/NDF:20.1/29

All: -460.076+/-251.456 χ^2/NDF: 44.6/55



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1358.926+/-0.330 χ^2/NDF:458776.4/10

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.829+/-0.317 χ^2/NDF:14415.3/9

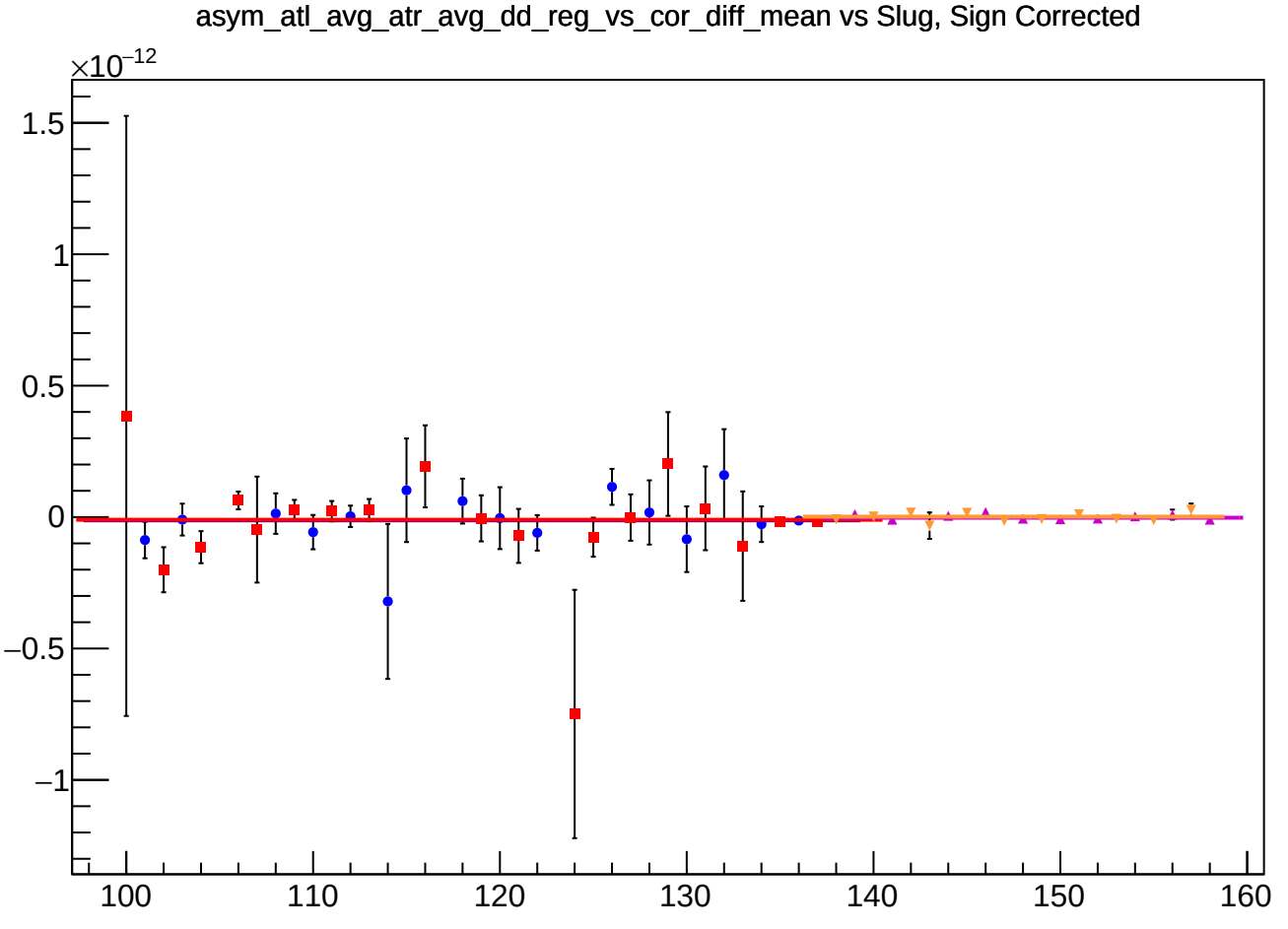
Left: 1340.123+/-0.229 χ^2/NDF: 479410.8/20

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1385.669+/-0.248 χ^2/NDF:700644.5/25

Out: 1414.735+/-0.255 χ^2/NDF:1152604.1/29

All: 1399.810+/-0.178 χ^2/NDF: 1859924.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

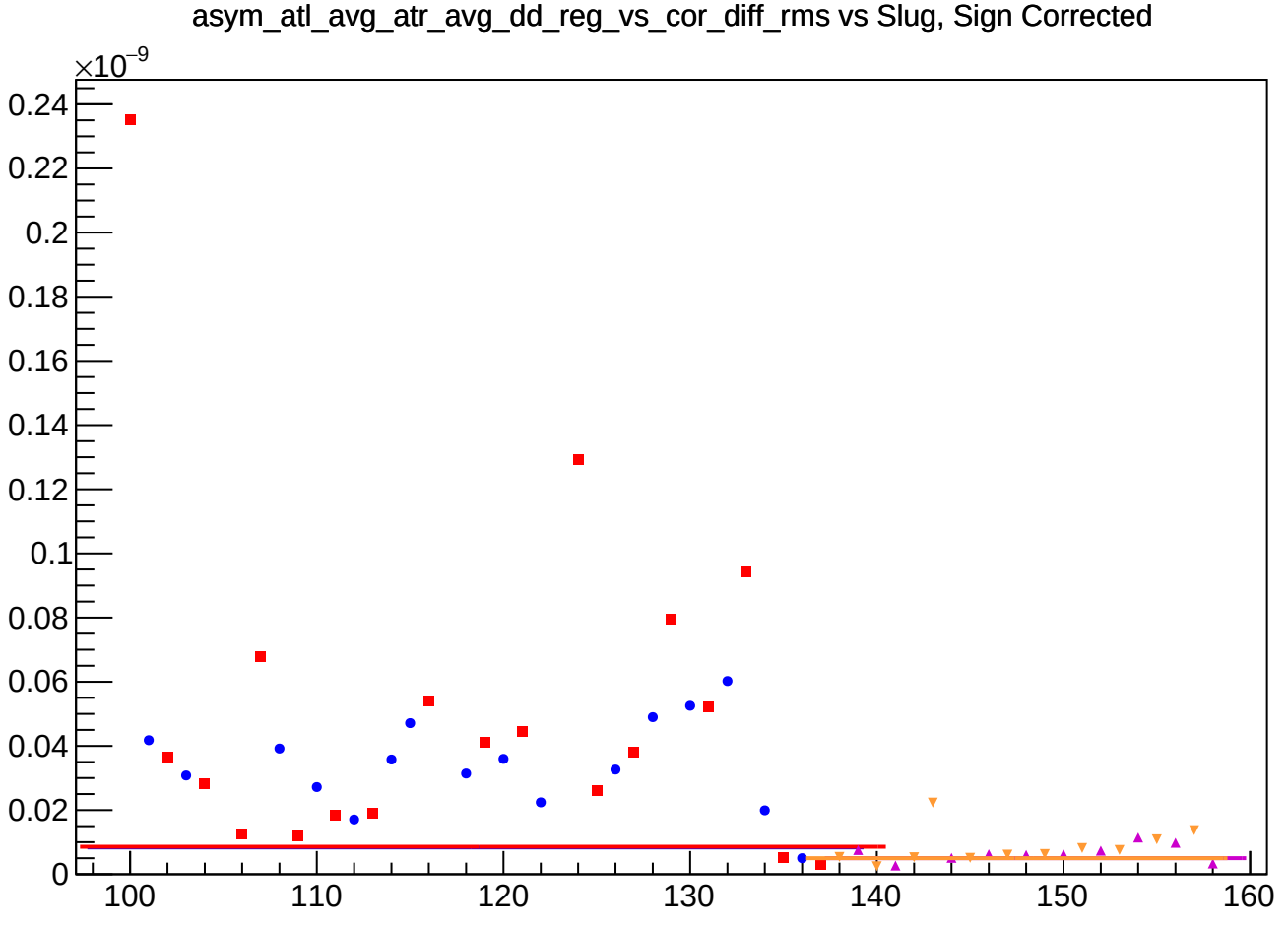
Left: -0.000+/-0.000 χ^2/NDF: 23.7/20

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:21.8/25

Out: 0.000+/-0.000 χ^2/NDF:36.2/29

All: -0.000+/-0.000 χ^2/NDF: 59.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521180.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1070875.0/9

Left: 0.000+/-0.000 χ^2/NDF: 2592065.1/20

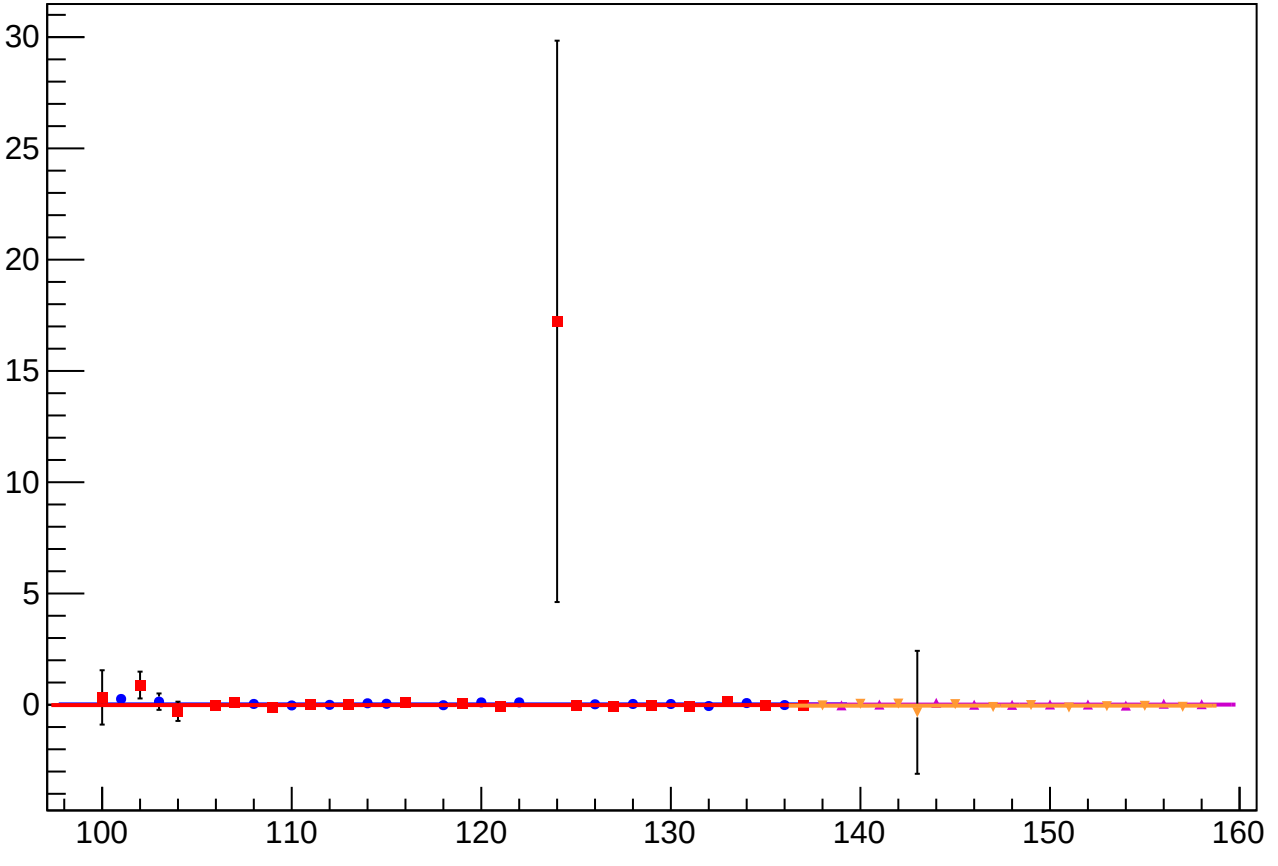
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4483992.1/25

Out: 0.000+/-0.000 χ^2/NDF:5216480.1/29

All: 0.000+/-0.000 χ^2/NDF: 9700529.1/55

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: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.015+/-0.009 χ^2/NDF: 28.0/20

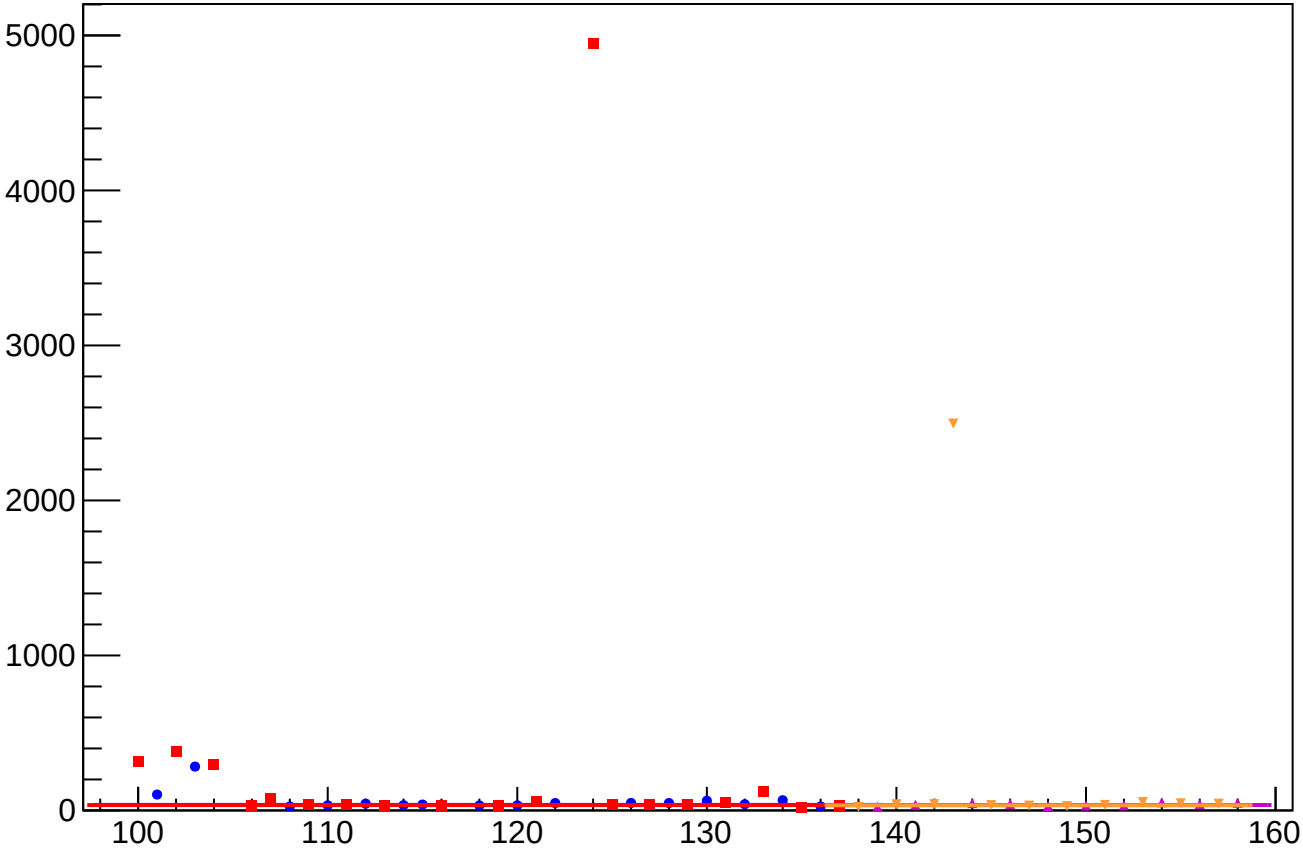
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.028+/-0.010 χ^2/NDF:34.1/29

All: -0.008+/-0.007 χ^2/NDF: 58.8/55

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: 33.247+/-0.009 χ^2/NDF:2442305.3/10

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

Left: 34.207+/-0.007 χ^2/NDF: 3374107.4/20

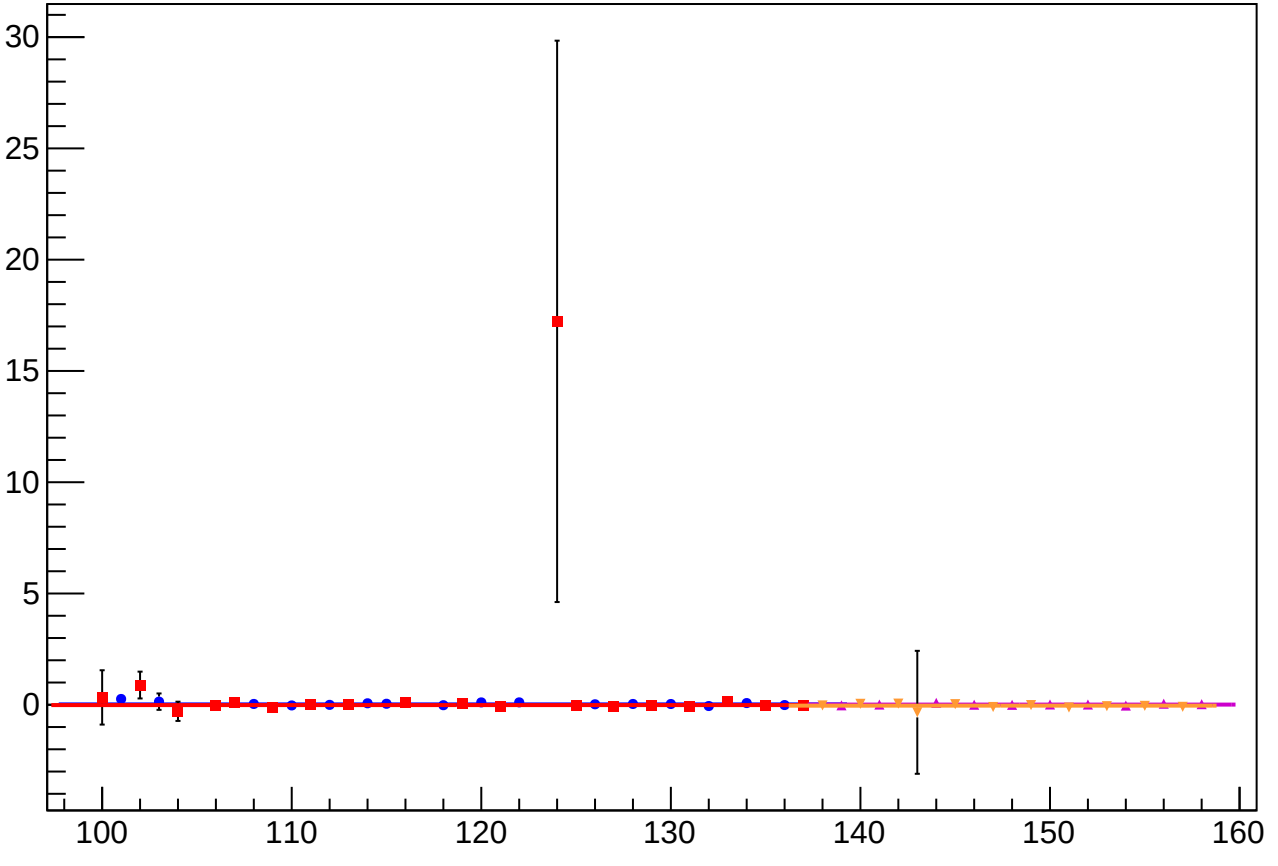
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.414+/-0.007 χ^2/NDF:3176385.6/25

Out: 33.884+/-0.007 χ^2/NDF:5368028.4/29

All: 34.650+/-0.005 χ^2/NDF: 8567782.2/55

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: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.015+/-0.009 χ^2/NDF: 28.0/20

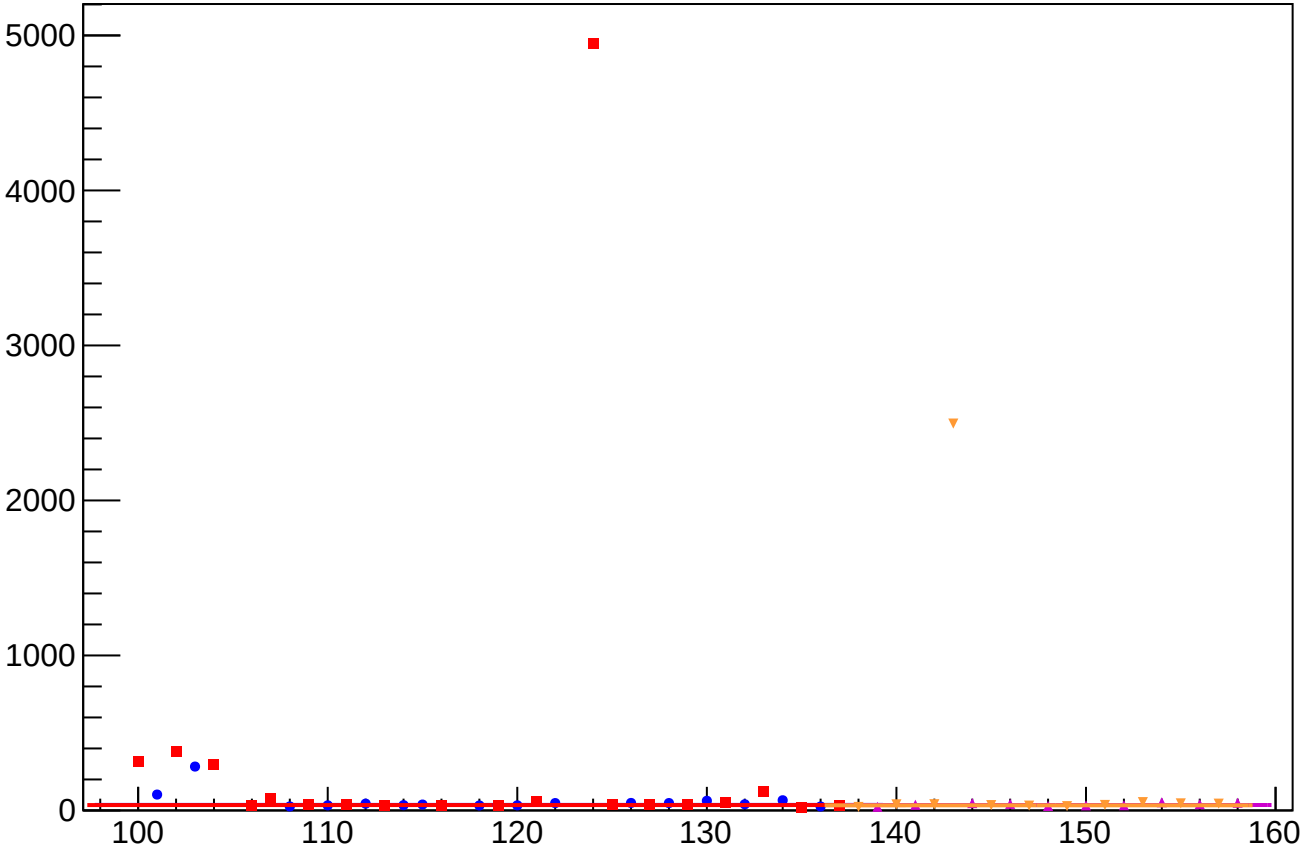
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.028+/-0.010 χ^2/NDF:34.1/29

All: -0.008+/-0.007 χ^2/NDF: 58.8/55

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: 33.247+/-0.009 χ^2/NDF:2442305.3/10

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

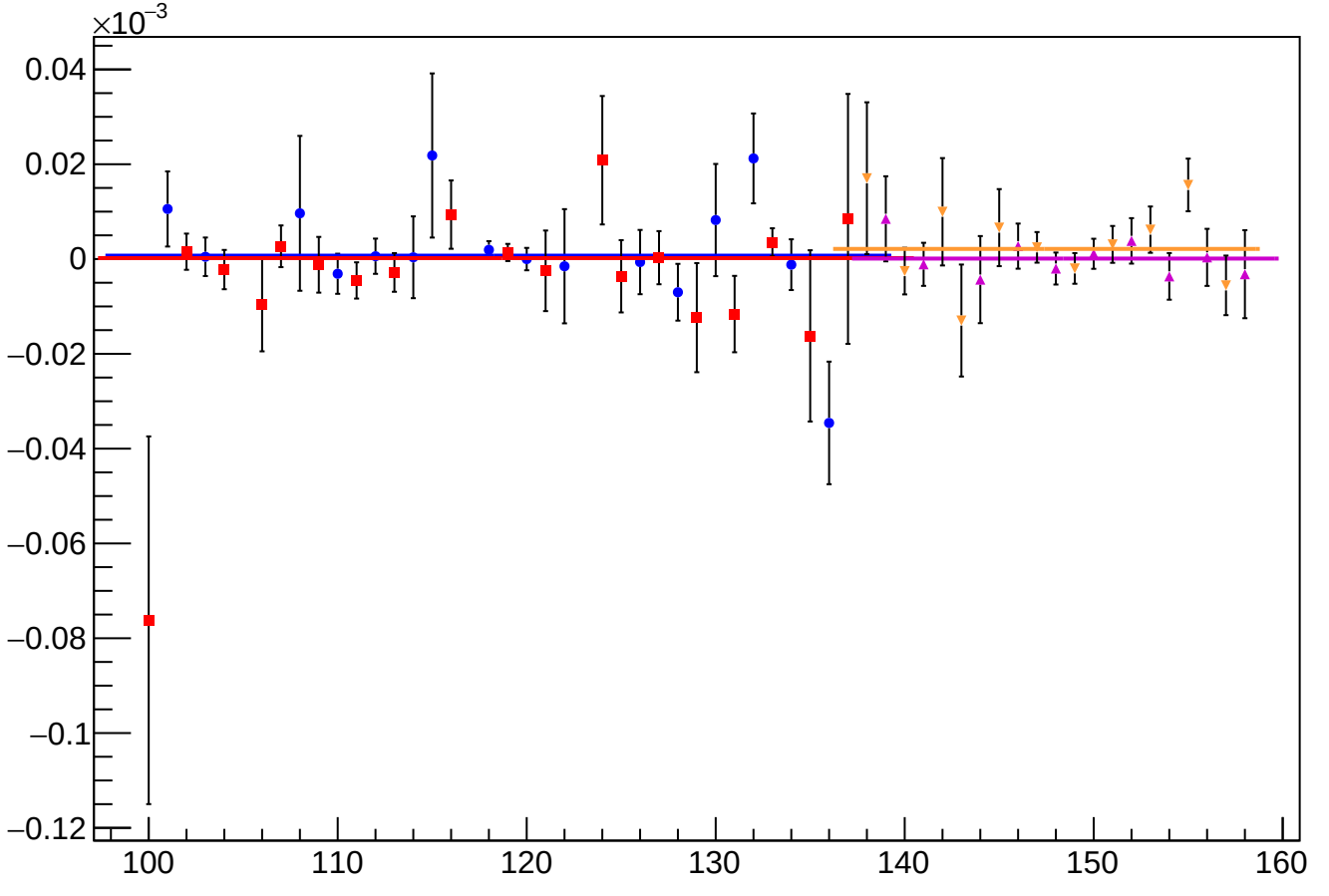
Left: 34.207+/-0.007 χ^2/NDF: 3374107.4/20

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.414+/-0.007 χ^2/NDF:3176385.6/25

Out: 33.884+/-0.007 χ^2/NDF:5368028.4/29

All: 34.650+/-0.005 χ^2/NDF: 8567782.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/9

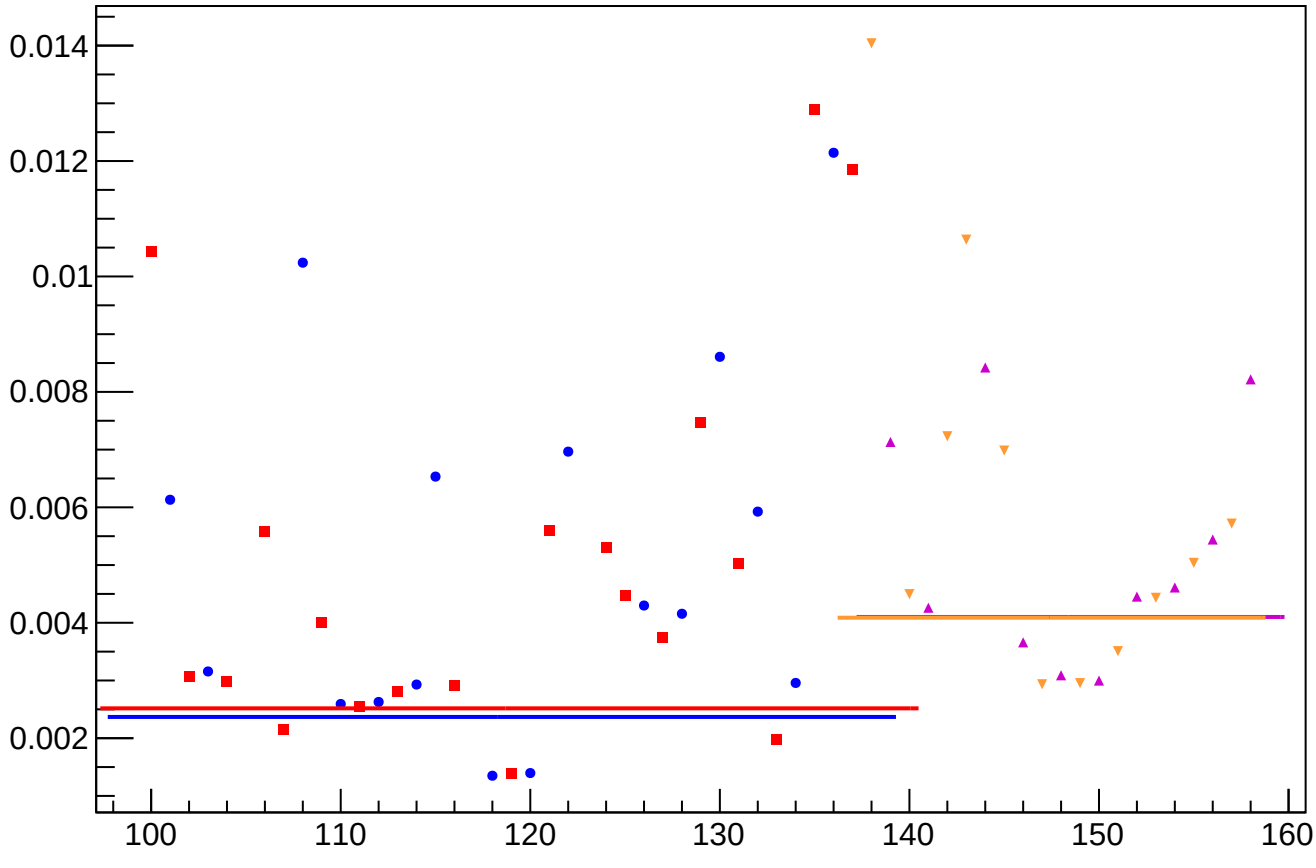
Left: 0.000+/-0.000 χ^2/NDF: 18.2/20

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.5/25

Out: 0.000+/-0.000 χ^2/NDF:33.2/29

All: 0.000+/-0.000 χ^2/NDF: 55.7/55



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2556670.1/10

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1636698.2/9

Left: 0.004+/-0.000 χ^2/NDF: 4193437.9/20

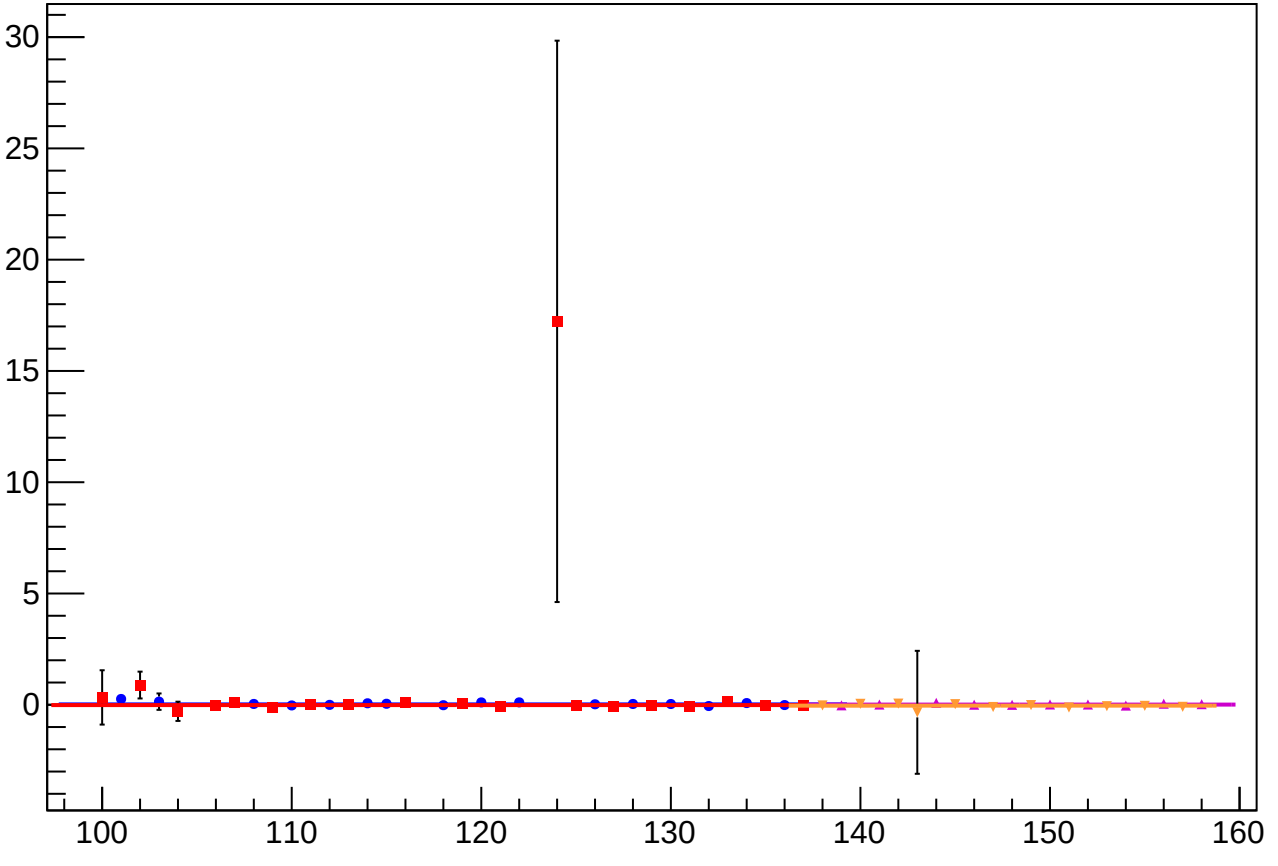
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8044772.0/25

Out: 0.003+/-0.000 χ^2/NDF:7386977.2/29

All: 0.003+/-0.000 χ^2/NDF: 15438030.8/55

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: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.015+/-0.009 χ^2/NDF: 28.0/20

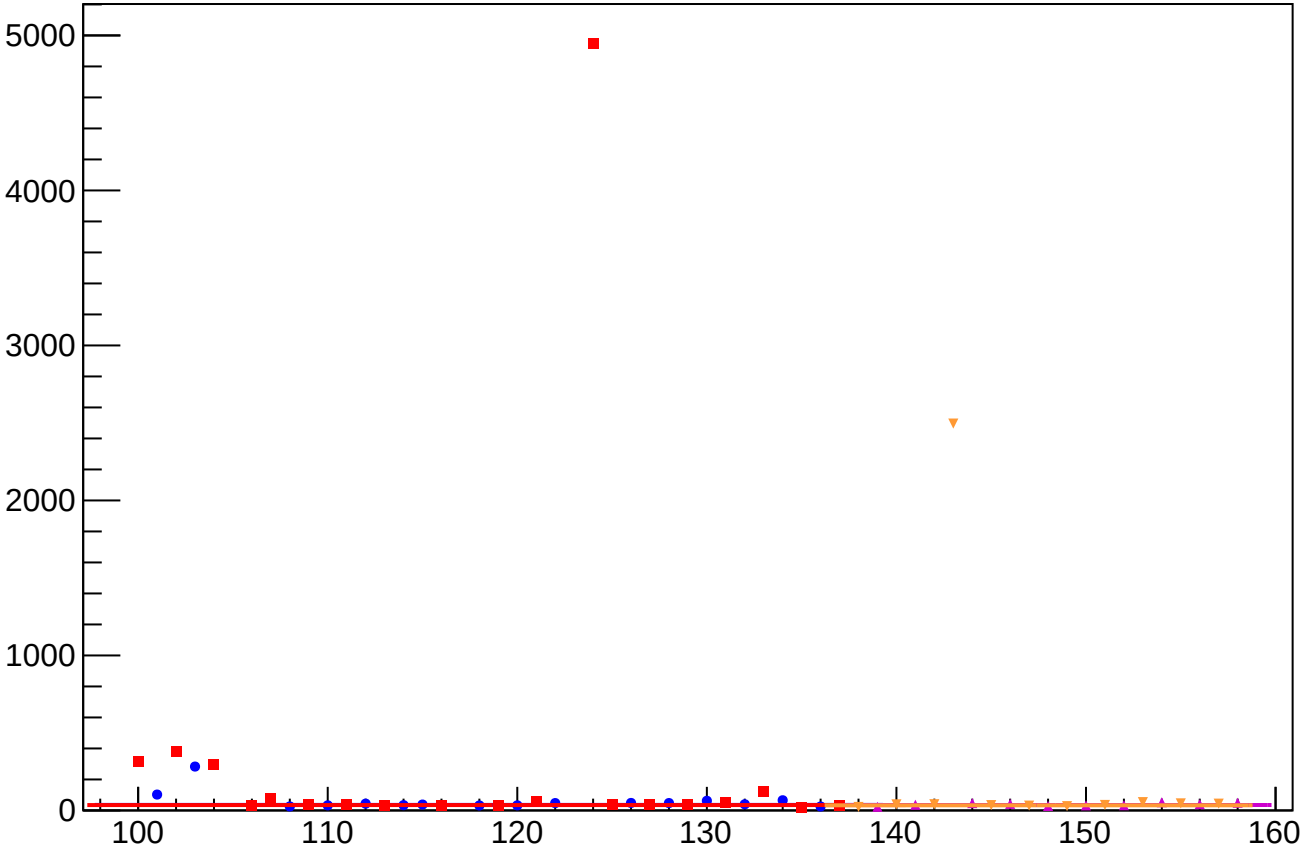
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.028+/-0.010 χ^2/NDF:34.0/29

All: -0.008+/-0.007 χ^2/NDF: 58.8/55

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: 33.247+/-0.009 χ^2/NDF:2442580.7/10

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

Left: 34.206+/-0.007 χ^2/NDF: 3374889.5/20

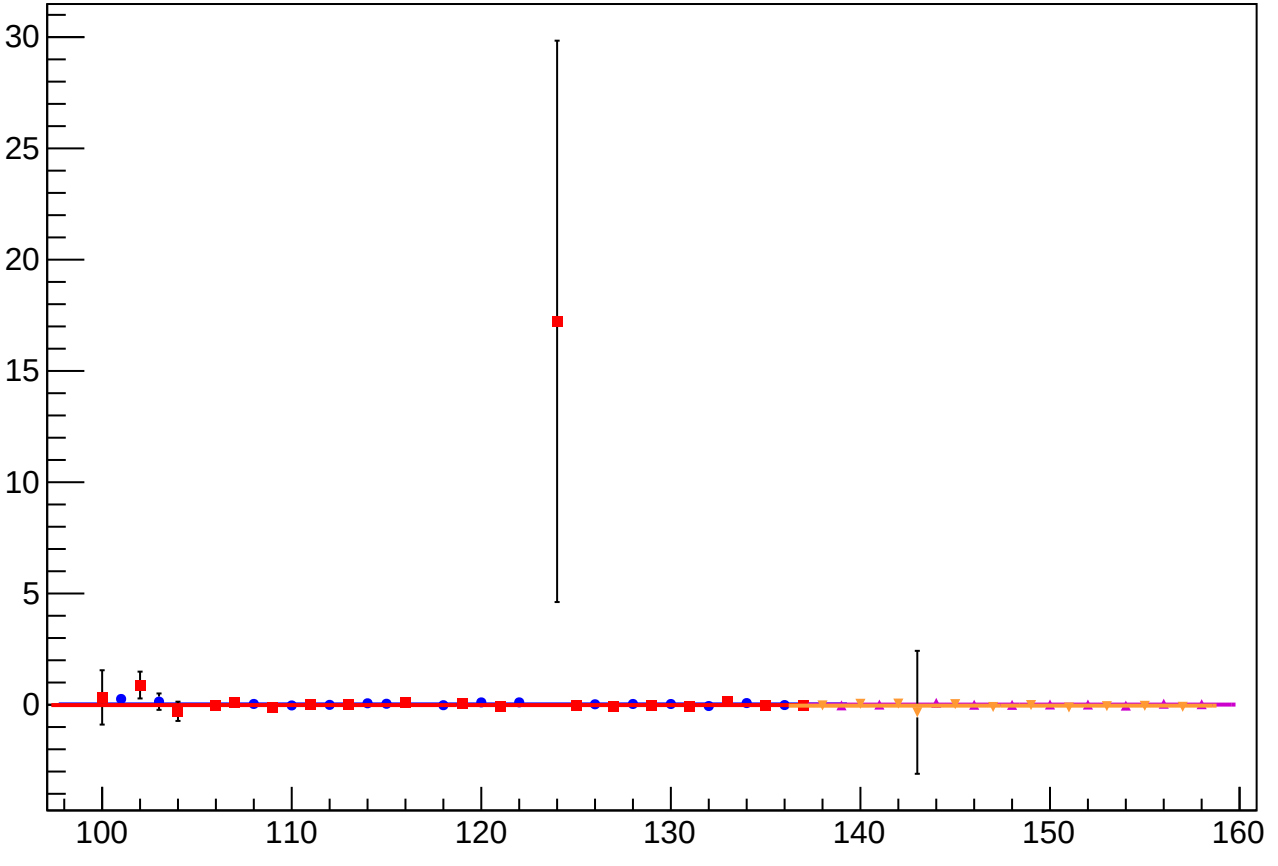
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.414+/-0.007 χ^2/NDF:3176667.1/25

Out: 33.885+/-0.007 χ^2/NDF:5368144.4/29

All: 34.650+/-0.005 χ^2/NDF: 8568159.9/55

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: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.015+/-0.009 χ^2/NDF: 28.0/20

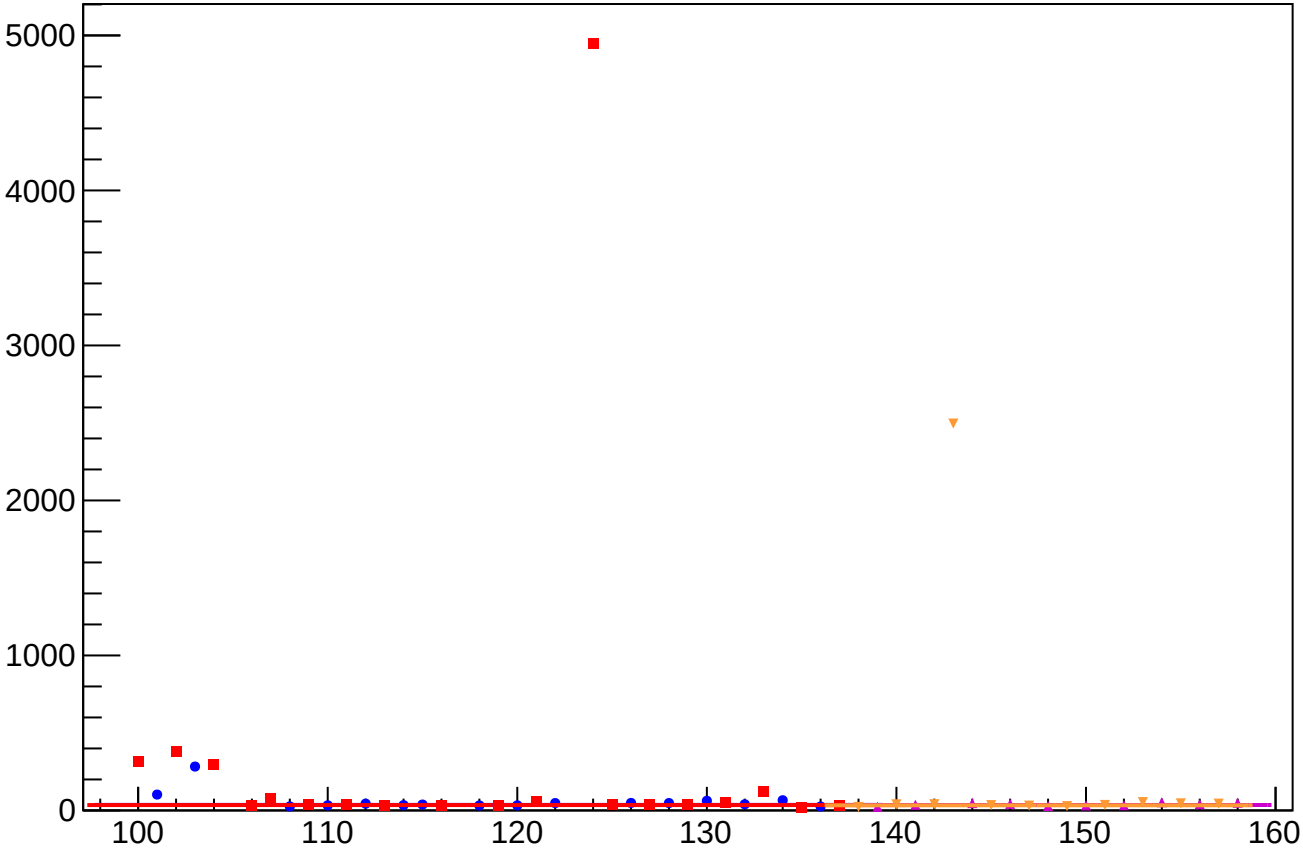
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.028+/-0.010 χ^2/NDF:34.0/29

All: -0.008+/-0.007 χ^2/NDF: 58.8/55

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: 33.247+/-0.009 χ^2/NDF:2442580.7/10

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

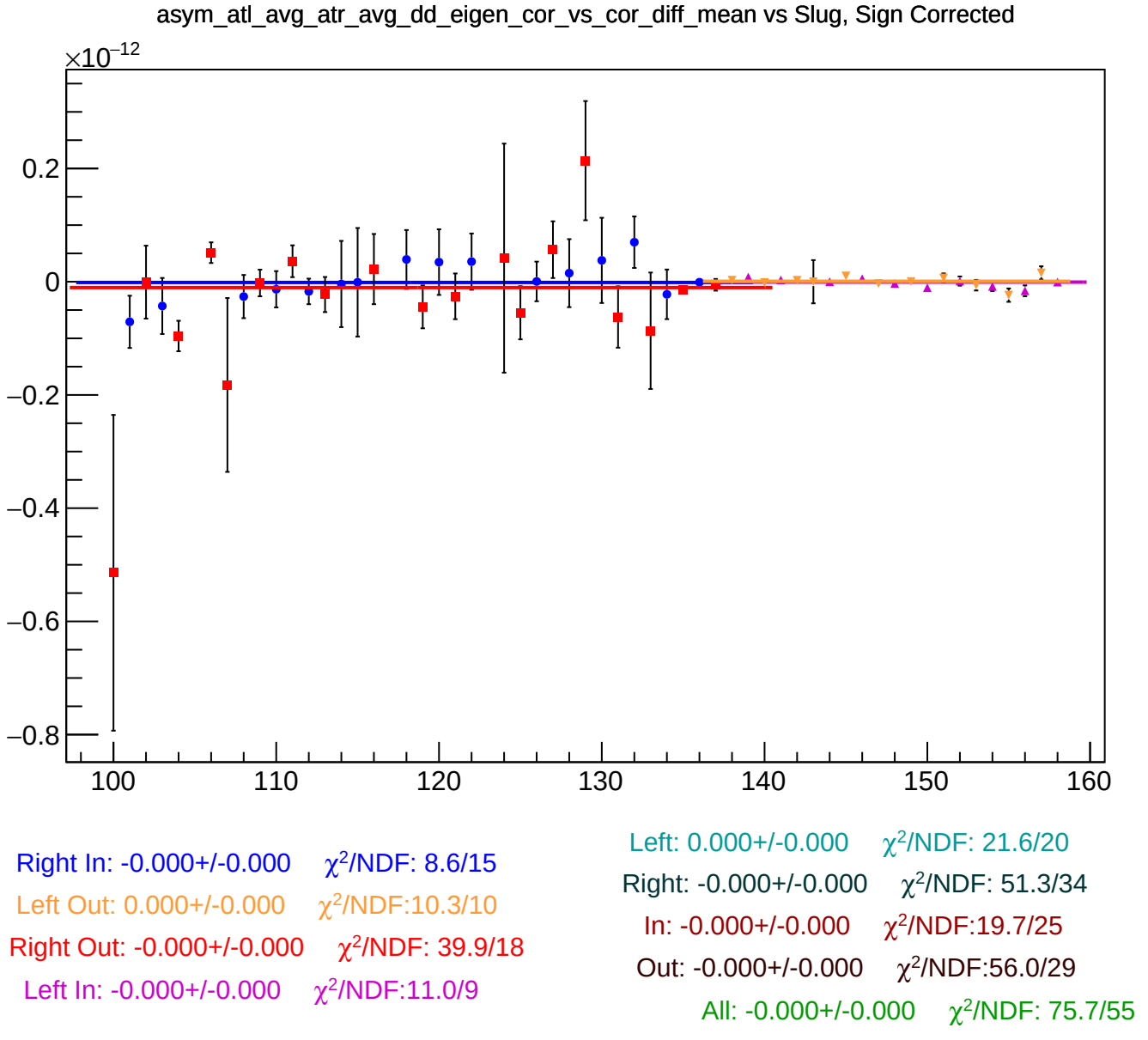
Left: 34.206+/-0.007 χ^2/NDF: 3374889.5/20

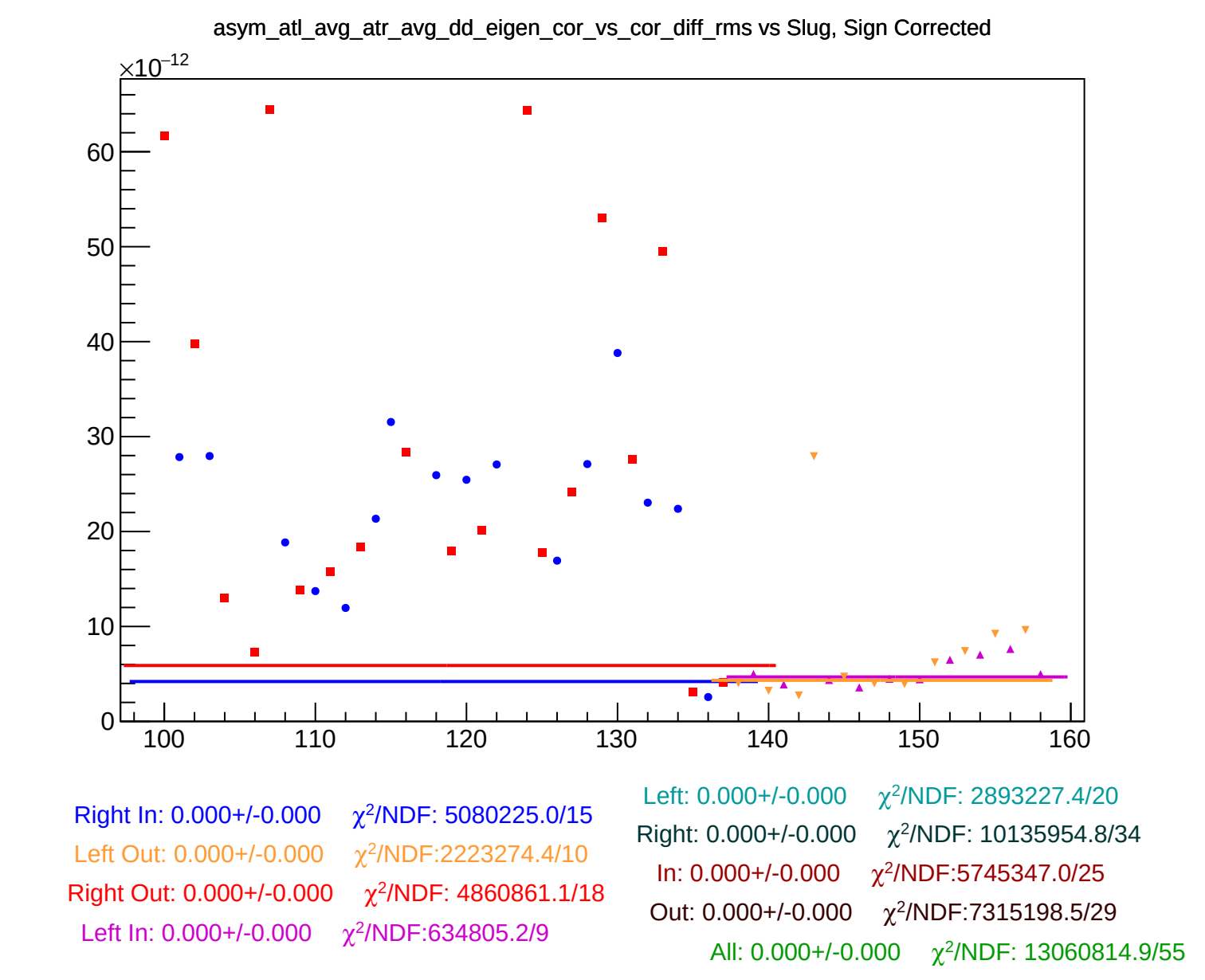
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

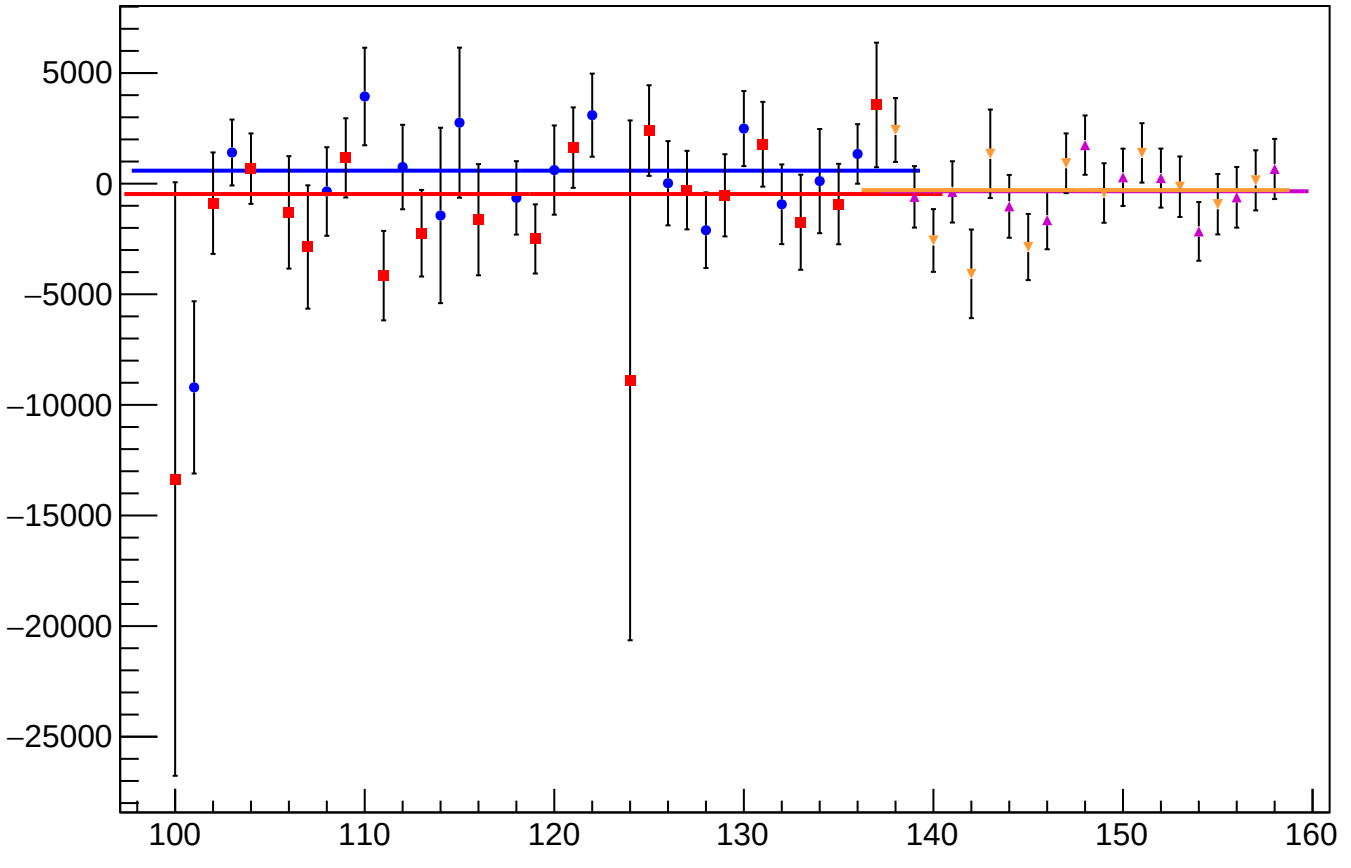
In: 35.414+/-0.007 χ^2/NDF:3176667.1/25

Out: 33.885+/-0.007 χ^2/NDF:5368144.4/29

All: 34.650+/-0.005 χ^2/NDF: 8568159.9/55


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/10
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:11.0/9
Left: 0.000+/-0.000 χ²/NDF: 21.6/20
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: -0.000+/-0.000 χ²/NDF:19.7/25
Out: -0.000+/-0.000 χ²/NDF:56.0/29
All: -0.000+/-0.000 χ²/NDF: 75.7/55


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2223274.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:634805.2/9
Left: 0.000+/-0.000 χ²/NDF: 2893227.4/20
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5745347.0/25
Out: 0.000+/-0.000 χ²/NDF:7315198.5/29
All: 0.000+/-0.000 χ²/NDF: 13060814.9/55



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -292.982+/-438.941 χ^2/NDF:16.0/10

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -343.703+/-427.742 χ^2/NDF:6.6/9

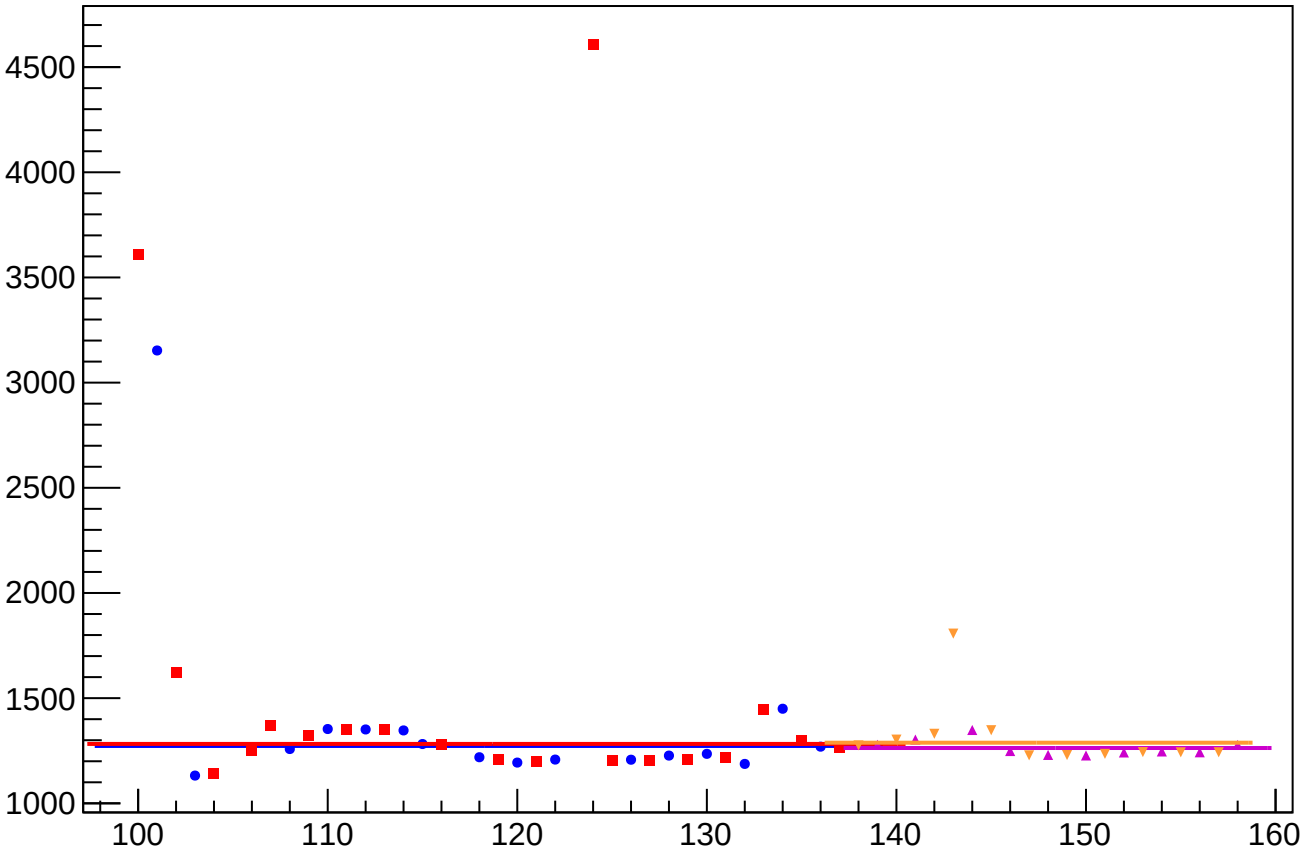
Left: -318.998+/-306.342 χ^2/NDF: 22.6/20

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 65.896+/-320.057 χ^2/NDF:25.7/25

Out: -373.054+/-324.081 χ^2/NDF:33.0/29

All: -150.837+/-227.724 χ^2/NDF: 59.6/55



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

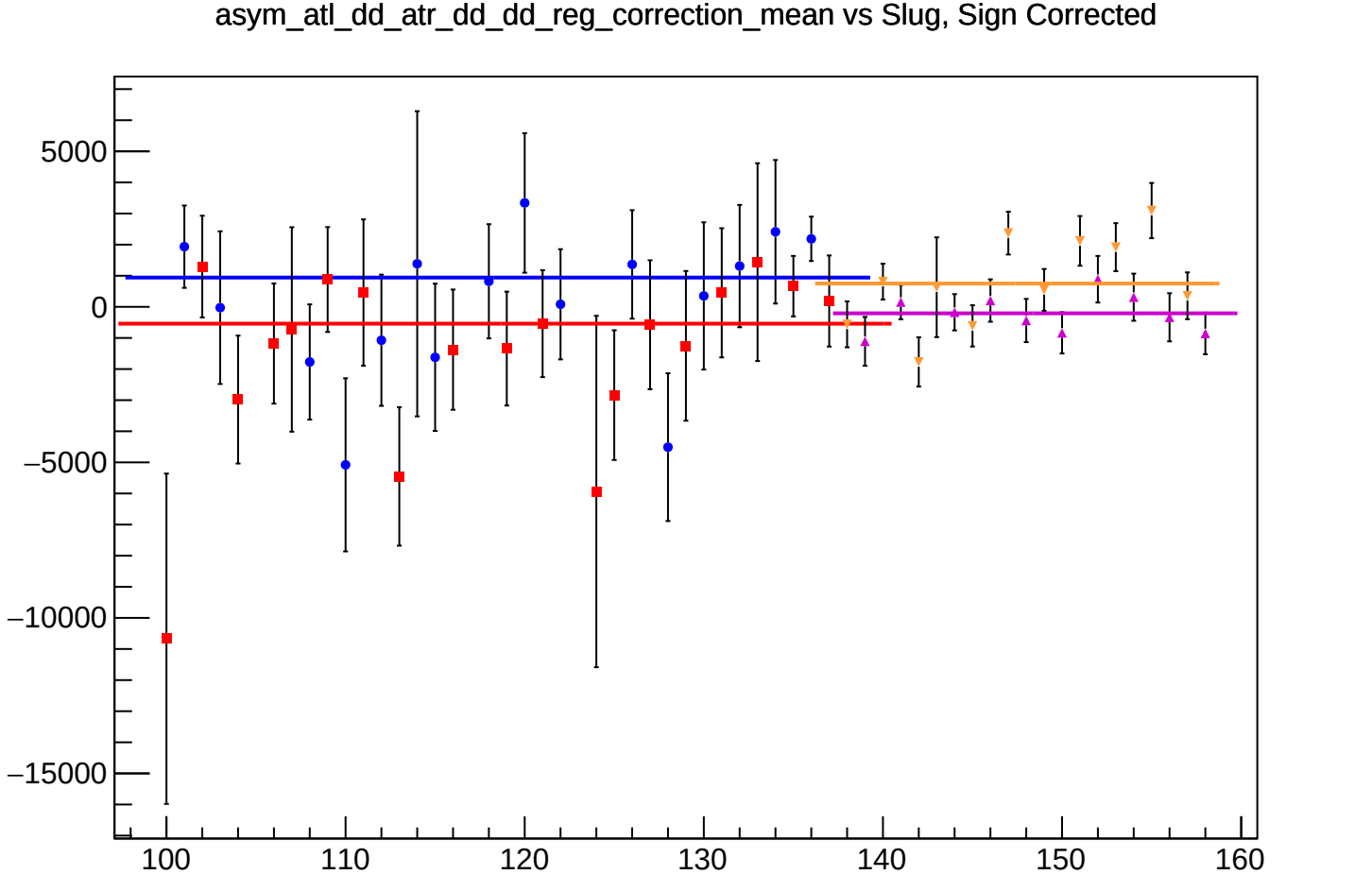
Left: 1275.271+/-0.217 χ^2/NDF: 173396.4/20

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1267.295+/-0.226 χ^2/NDF:533381.6/25

Out: 1285.562+/-0.229 χ^2/NDF:478621.1/29

All: 1276.315+/-0.161 χ^2/NDF: 1015219.4/55



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 748.783+/-225.229 χ^2/NDF:35.7/10

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -208.554+/-214.349 χ^2/NDF:6.7/9

Left: 246.434+/-155.271 χ^2/NDF: 51.8/20

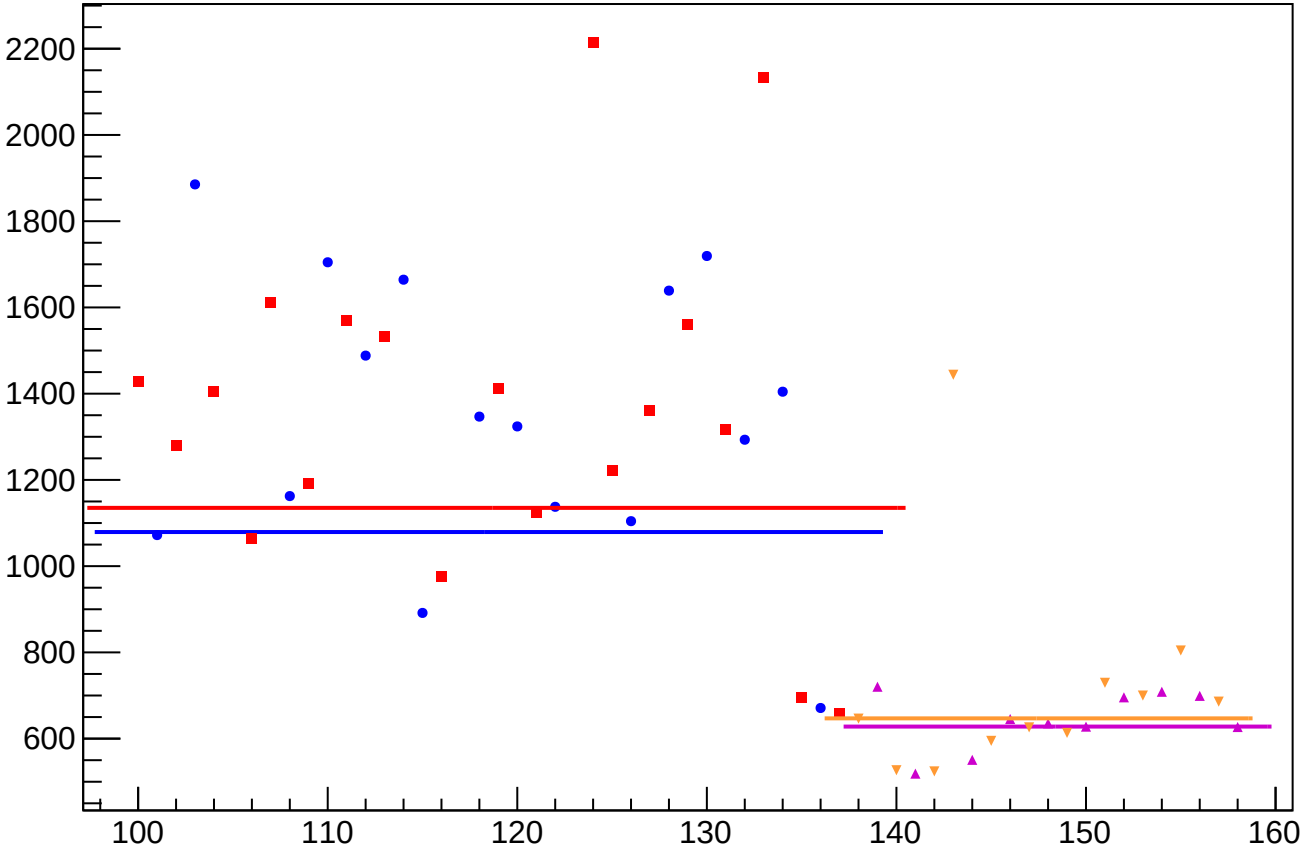
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 23.982+/-191.461 χ^2/NDF:32.4/25

Out: 480.982+/-200.480 χ^2/NDF:59.6/29

All: 241.973+/-138.462 χ^2/NDF: 94.8/55

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 646.986+/-0.159 χ^2/NDF:747493.9/10

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 627.946+/-0.152 χ^2/NDF:198007.2/9

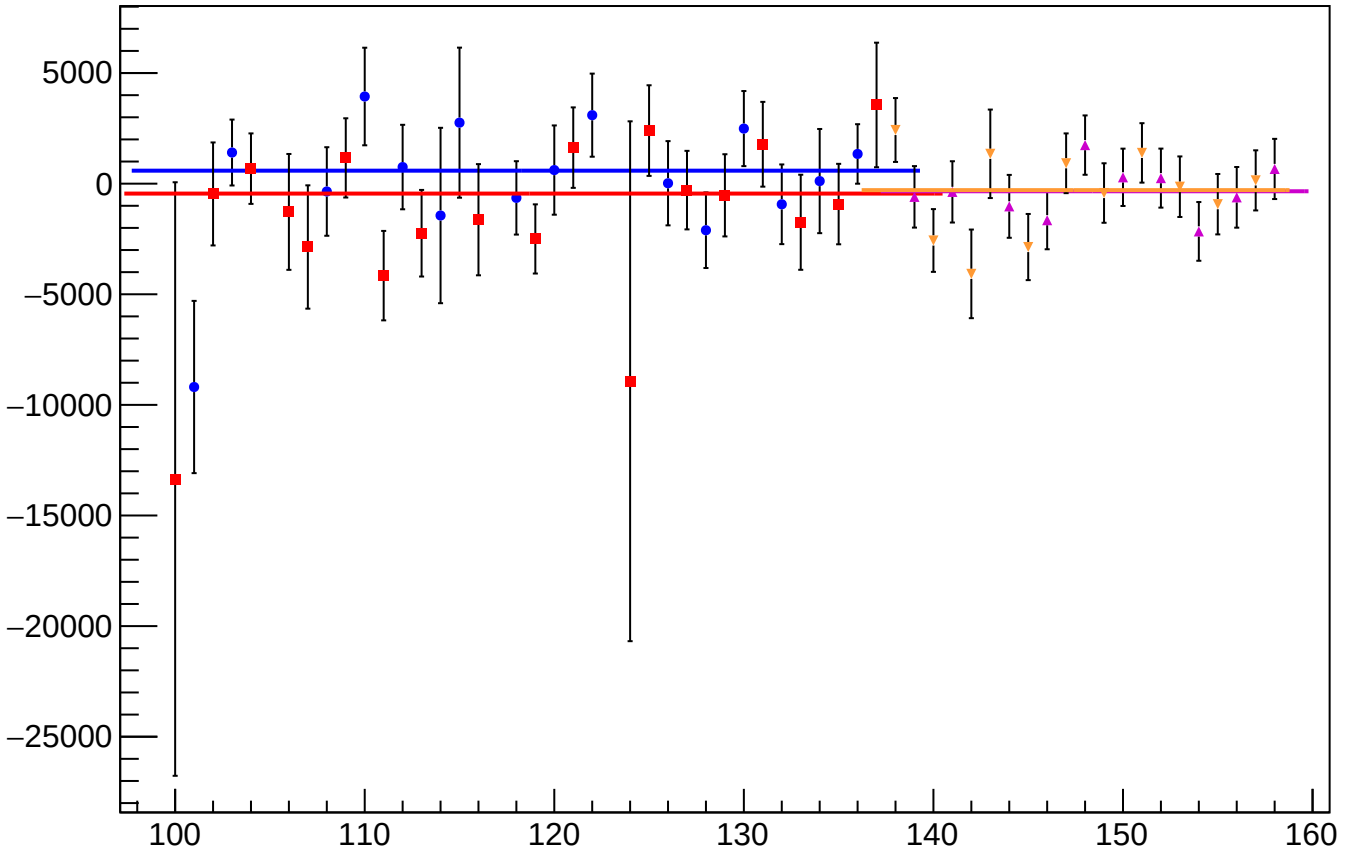
Left: 636.995+/-0.110 χ^2/NDF: 953001.2/20

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 719.151+/-0.135 χ^2/NDF:3471469.7/25

Out: 748.377+/-0.142 χ^2/NDF:3992018.2/29

All: 733.092+/-0.098 χ^2/NDF: 7485717.0/55



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -343.688+/-427.742 χ^2/NDF:6.6/9

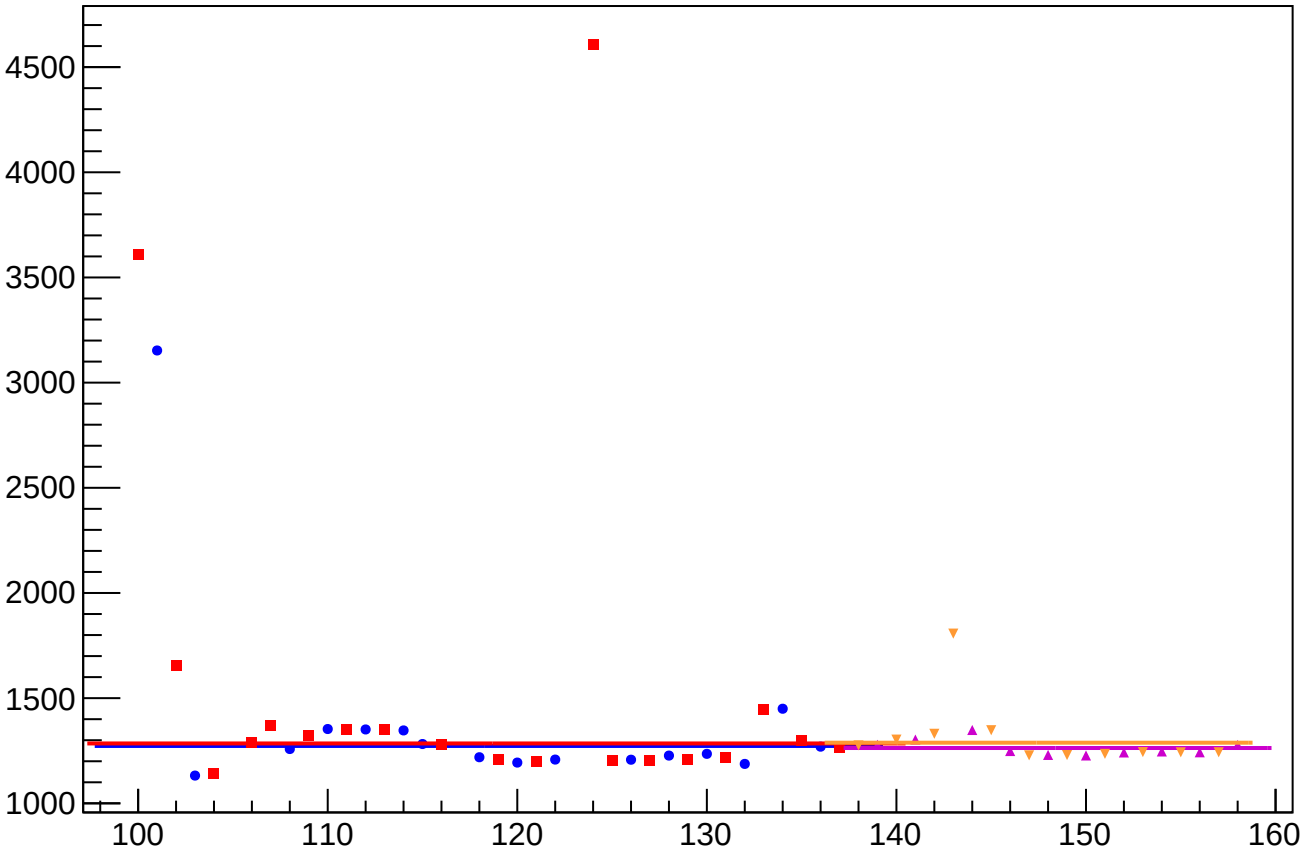
Left: -319.056+/-306.342 χ^2/NDF: 22.6/20

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 66.045+/-320.057 χ^2/NDF:25.7/25

Out: -363.626+/-324.332 χ^2/NDF:32.9/29

All: -145.940+/-227.811 χ^2/NDF: 59.5/55



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

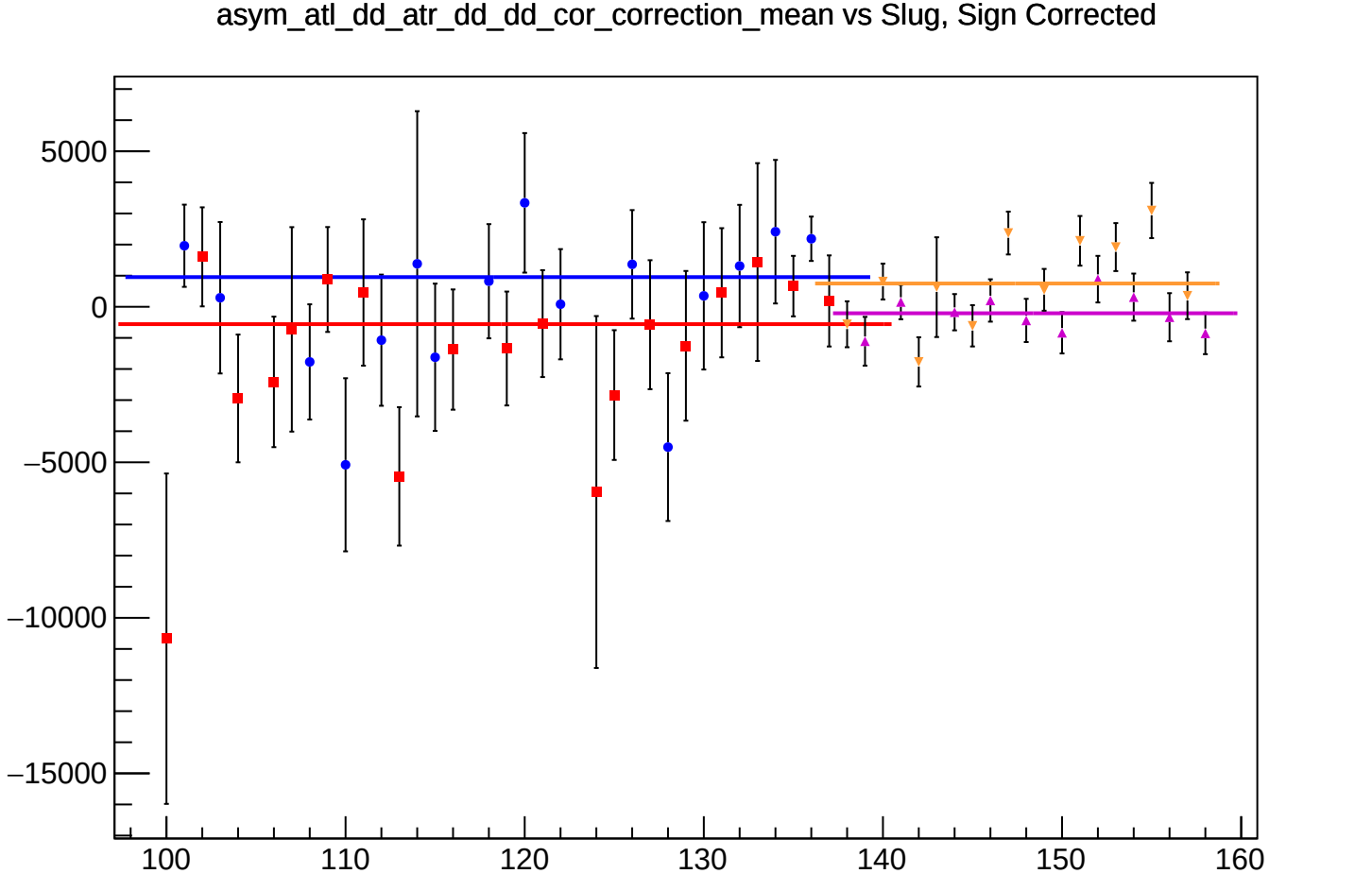
Left: 1275.271+/-0.217 χ^2/NDF: 173396.4/20

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1267.295+/-0.226 χ^2/NDF:533383.0/25

Out: 1286.607+/-0.229 χ^2/NDF:485175.2/29

All: 1276.823+/-0.161 χ^2/NDF: 1022150.5/55



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -208.524+/-214.348 χ^2/NDF:6.7/9

Left: 246.418+/-155.272 χ^2/NDF: 51.8/20

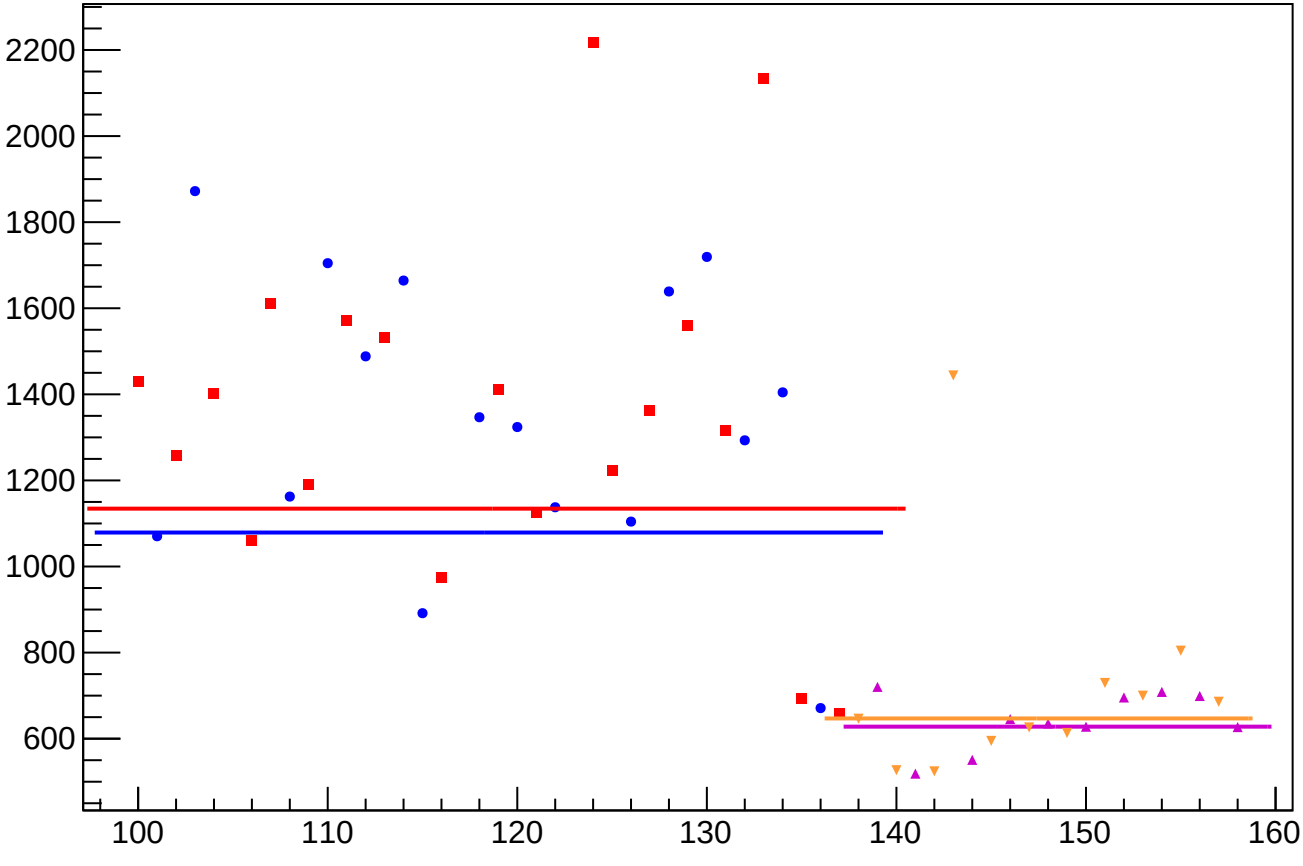
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.665+/-191.445 χ^2/NDF:32.5/25

Out: 478.172+/-200.562 χ^2/NDF:61.0/29

All: 241.923+/-138.483 χ^2/NDF: 96.2/55

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

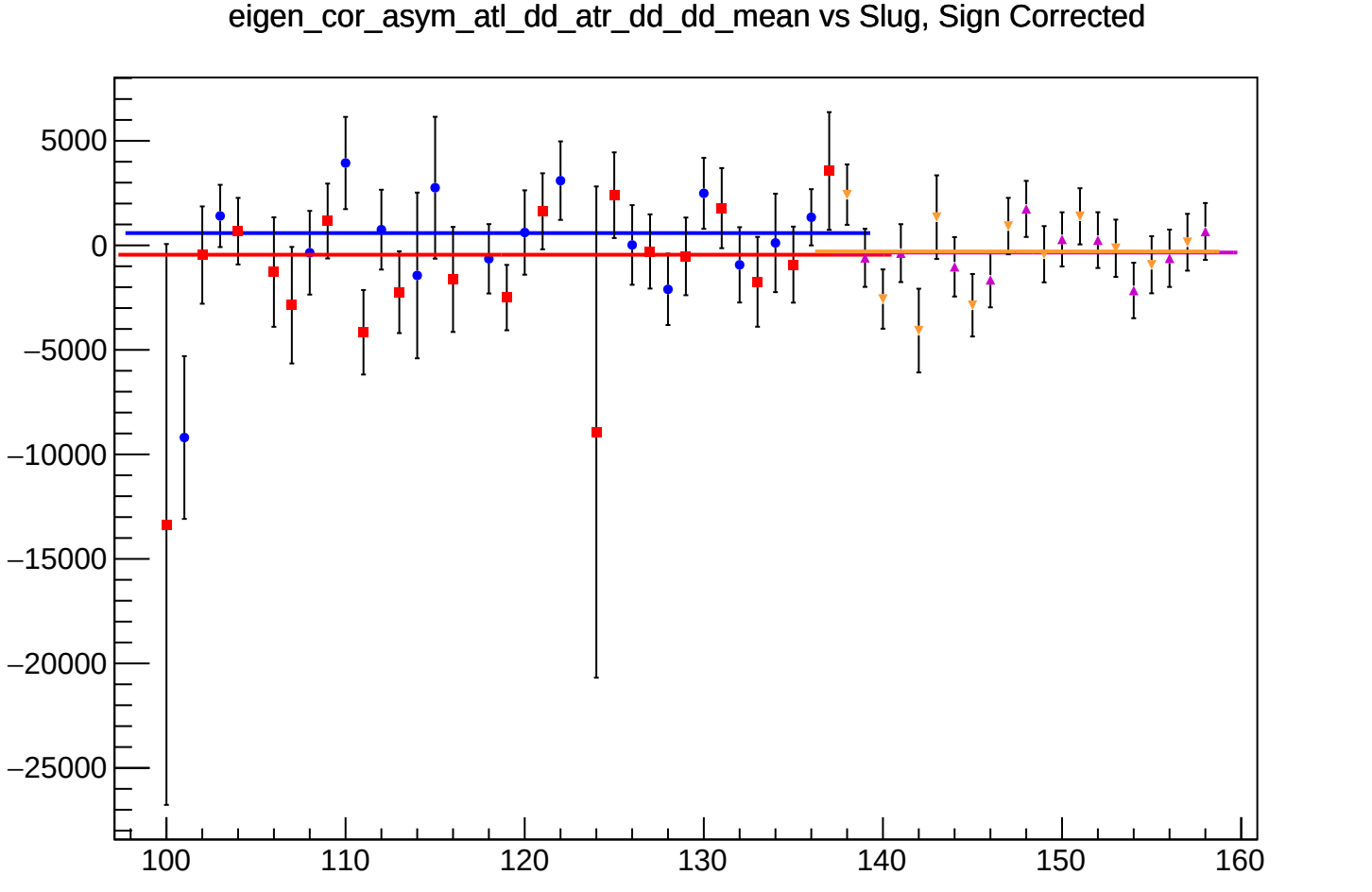
Left: 636.997+/-0.110 χ^2/NDF: 952939.5/20

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 719.170+/-0.135 χ^2/NDF:3467705.3/25

Out: 747.922+/-0.142 χ^2/NDF:3975854.2/29

All: 732.878+/-0.098 χ^2/NDF: 7465065.2/55



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -343.688+/-427.742 χ^2/NDF:6.6/9

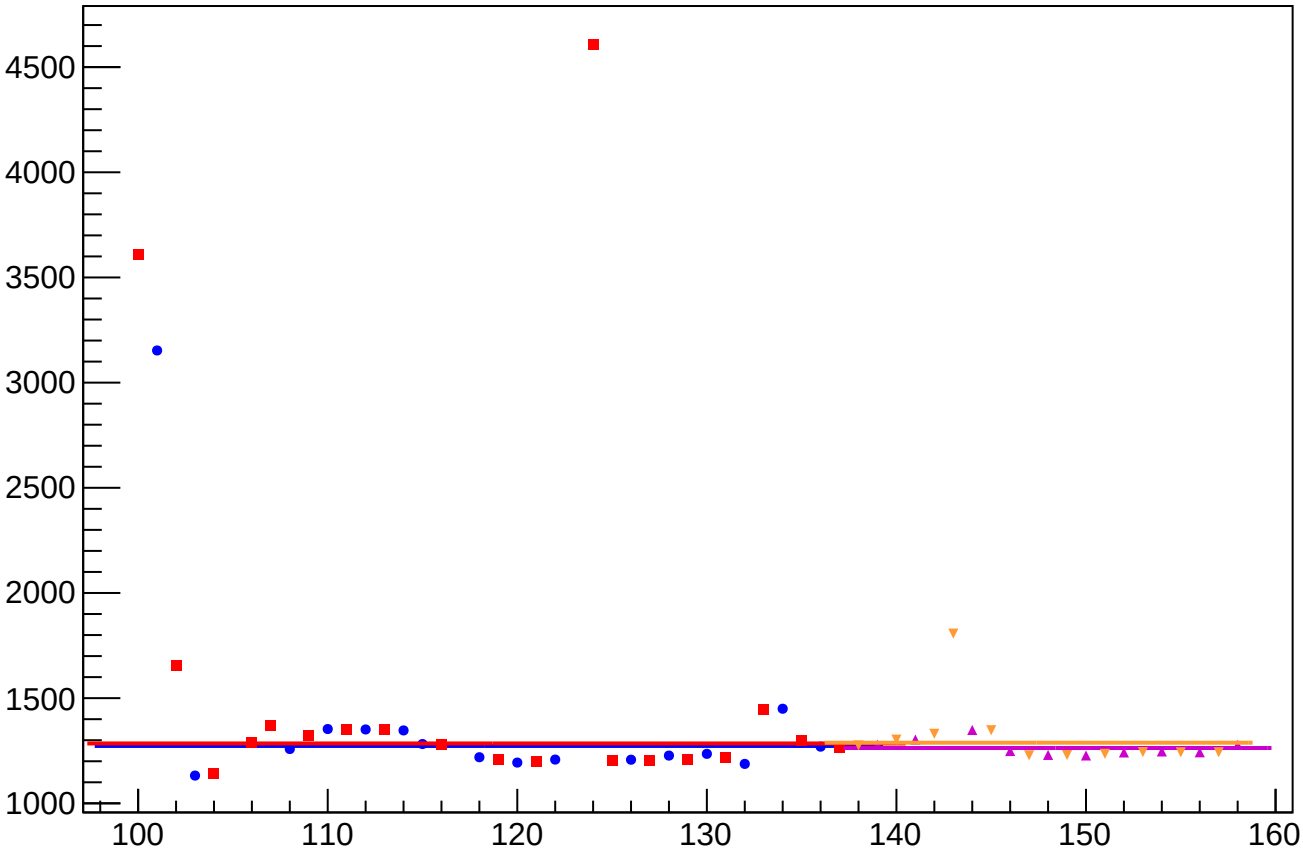
Left: -319.056+/-306.342 χ^2/NDF: 22.6/20

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 66.045+/-320.057 χ^2/NDF:25.7/25

Out: -363.626+/-324.332 χ^2/NDF:32.9/29

All: -145.940+/-227.811 χ^2/NDF: 59.5/55



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

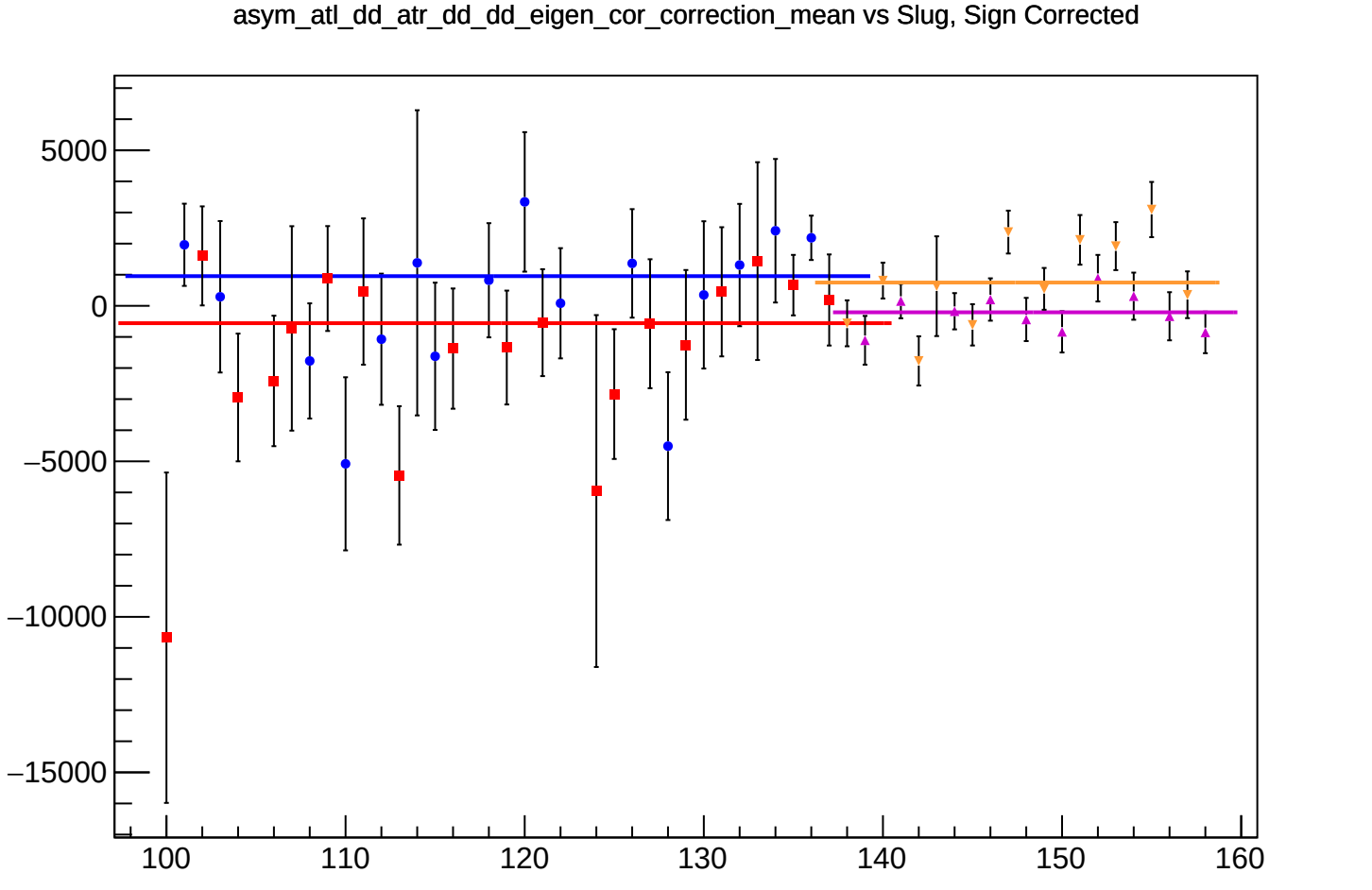
Left: 1275.271+/-0.217 χ^2/NDF: 173396.4/20

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1267.295+/-0.226 χ^2/NDF:533383.0/25

Out: 1286.607+/-0.229 χ^2/NDF:485175.2/29

All: 1276.823+/-0.161 χ^2/NDF: 1022150.5/55



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -208.524+/-214.348 χ^2/NDF:6.7/9

Left: 246.418+/-155.272 χ^2/NDF: 51.8/20

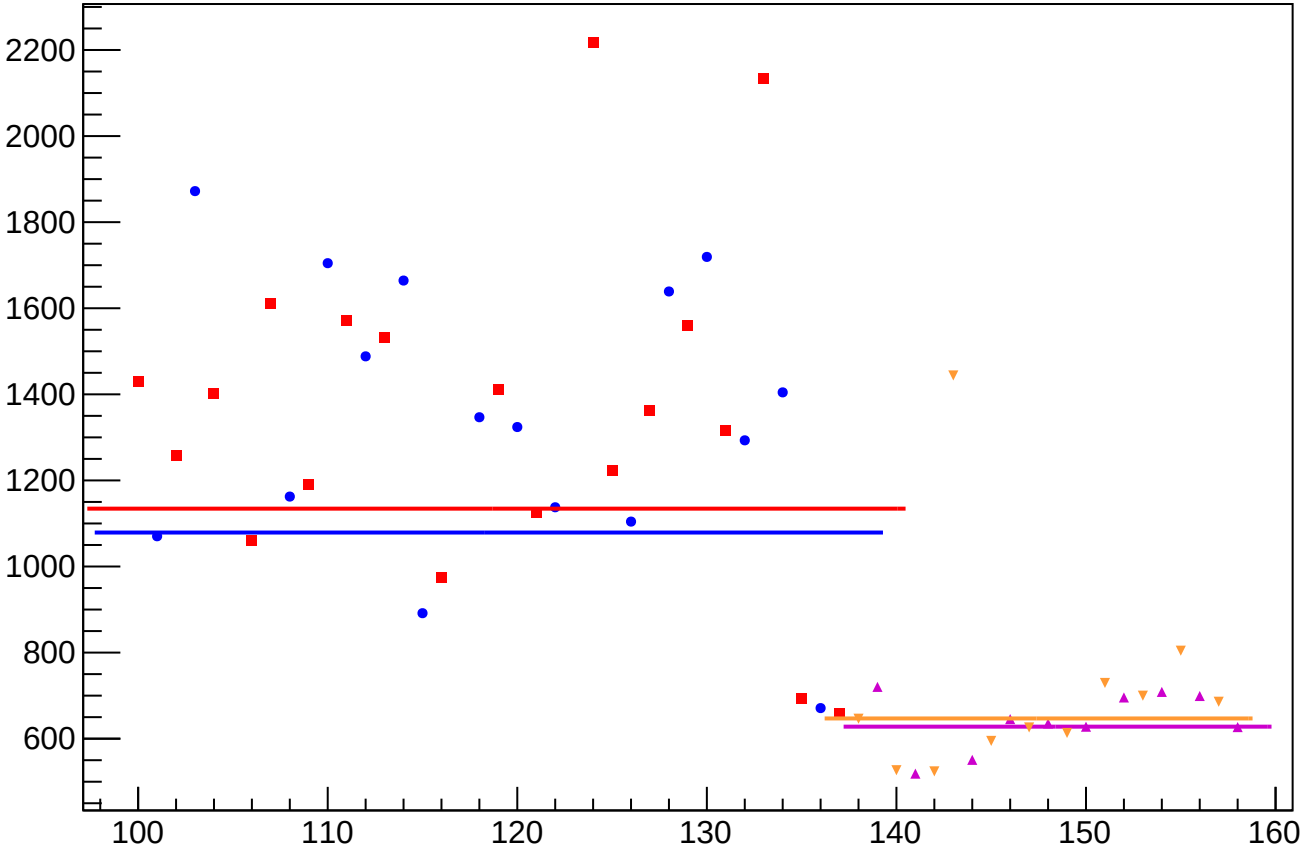
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.665+/-191.445 χ^2/NDF:32.5/25

Out: 478.172+/-200.562 χ^2/NDF:61.0/29

All: 241.923+/-138.483 χ^2/NDF: 96.2/55

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: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

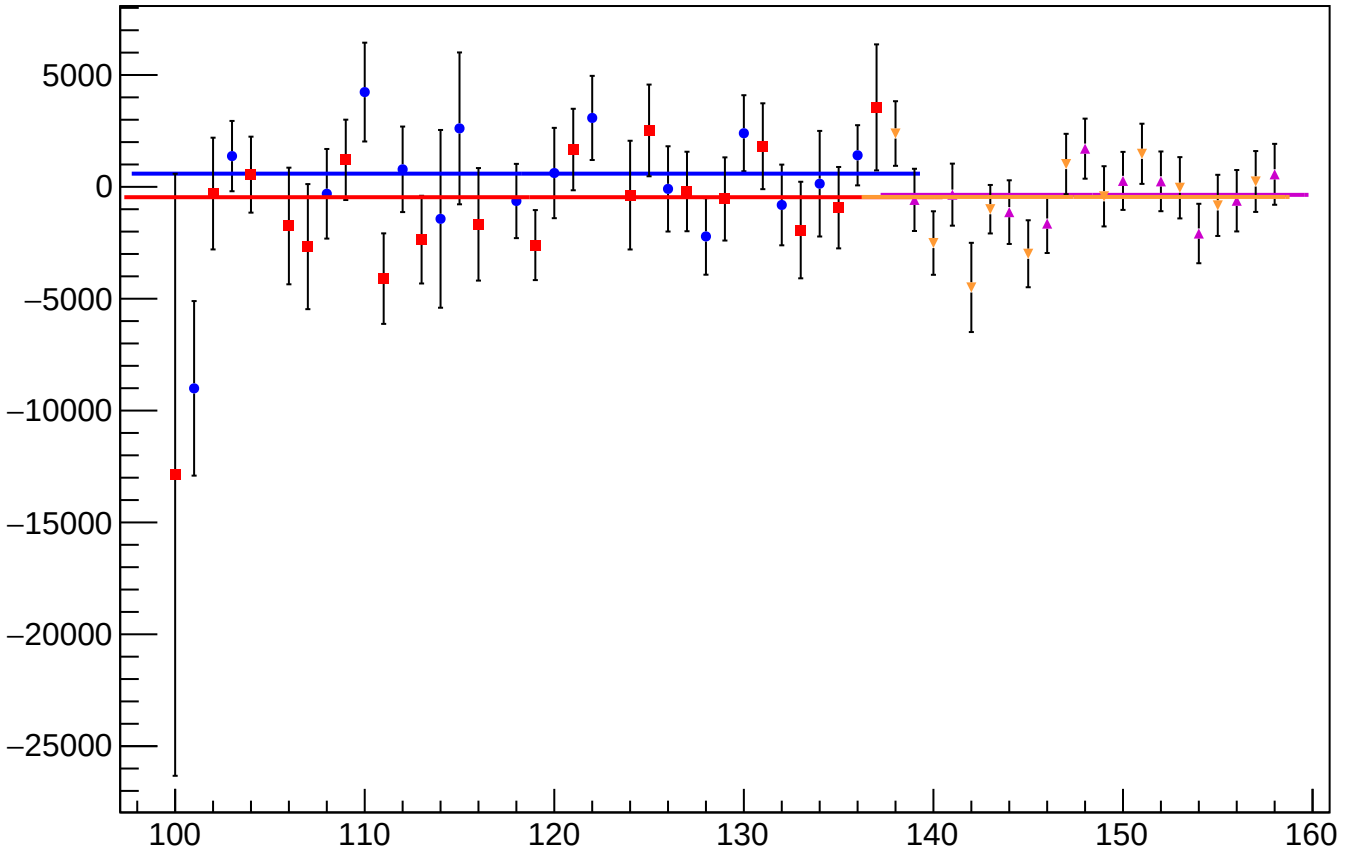
Left: 636.997+/-0.110 χ^2/NDF: 952939.5/20

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 719.170+/-0.135 χ^2/NDF:3467705.3/25

Out: 747.922+/-0.142 χ^2/NDF:3975854.2/29

All: 732.878+/-0.098 χ^2/NDF: 7465065.2/55



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -451.272+/-415.740 χ^2/NDF:16.9/10

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -357.693+/-428.095 χ^2/NDF:6.3/9

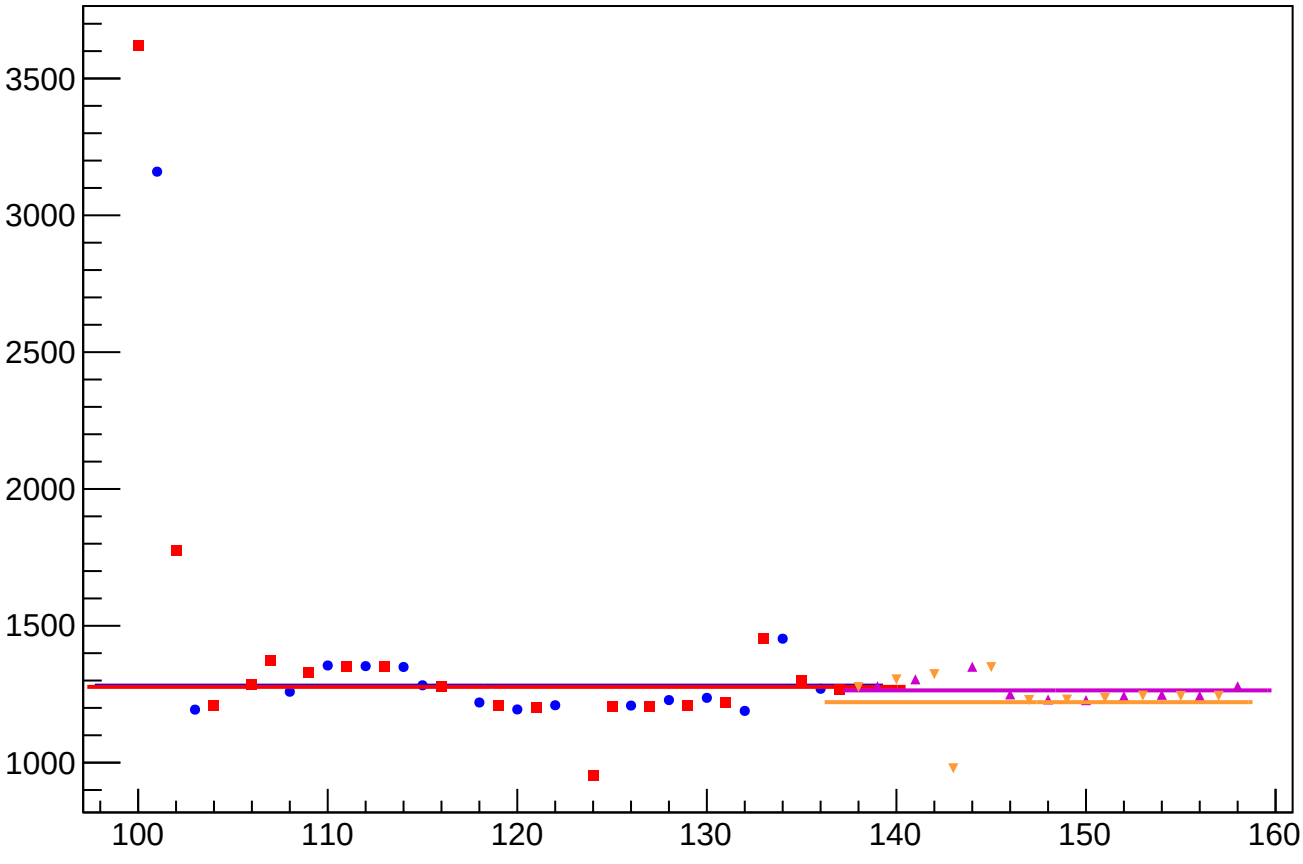
Left: -405.852+/-298.245 χ^2/NDF: 23.2/20

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 56.997+/-321.091 χ^2/NDF:25.5/25

Out: -456.167+/-313.350 χ^2/NDF:33.6/29

All: -205.845+/-224.259 χ^2/NDF: 60.4/55



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131254.4/10

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

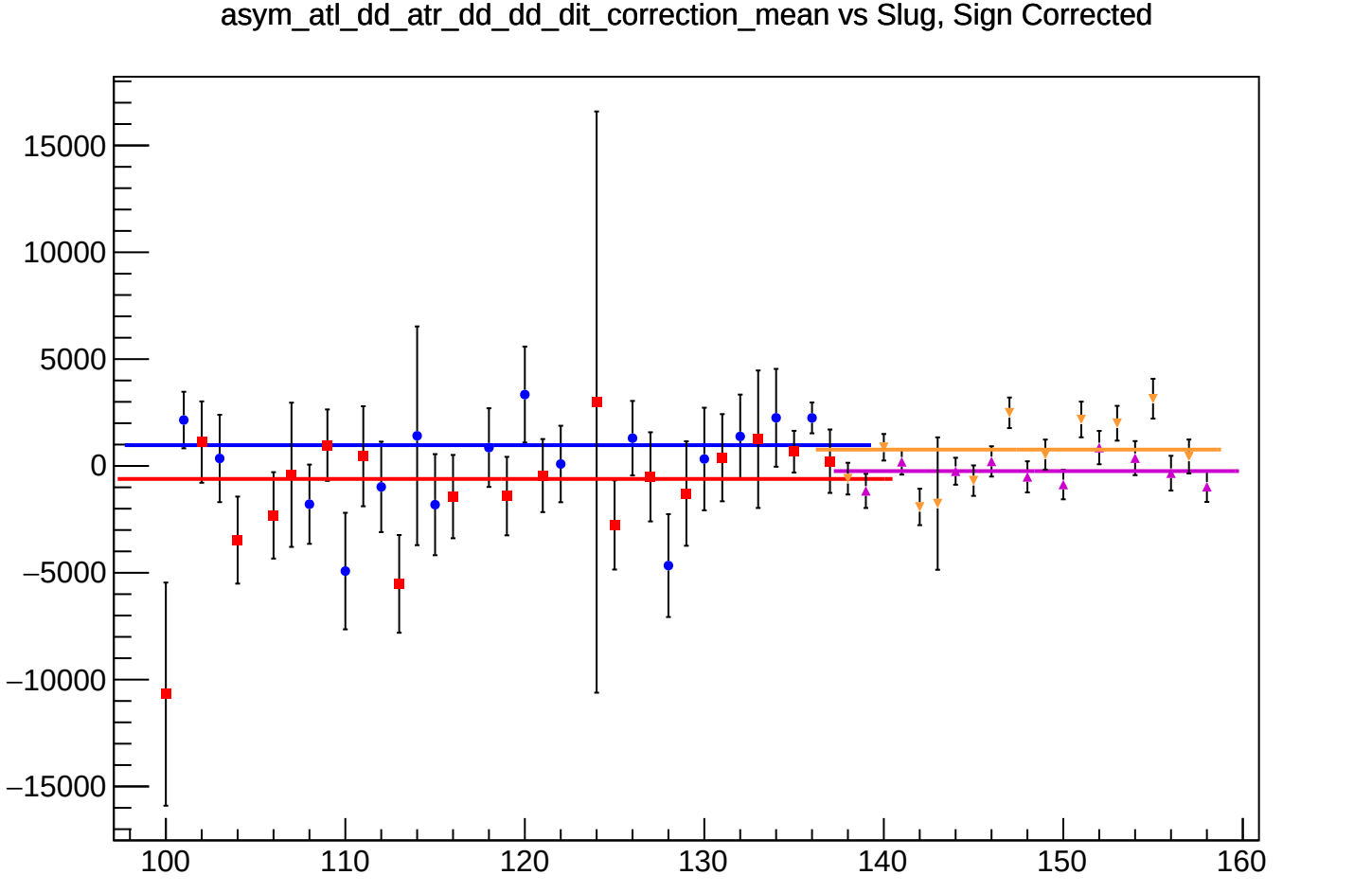
Left: 1241.854+/-0.211 χ^2/NDF: 155401.3/20

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1271.597+/-0.227 χ^2/NDF:522266.3/25

Out: 1245.109+/-0.222 χ^2/NDF:367380.9/29

All: 1258.030+/-0.159 χ^2/NDF: 896618.6/55



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 764.681+/-239.039 χ^2/NDF:35.8/10

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -240.791+/-226.406 χ^2/NDF:6.9/9

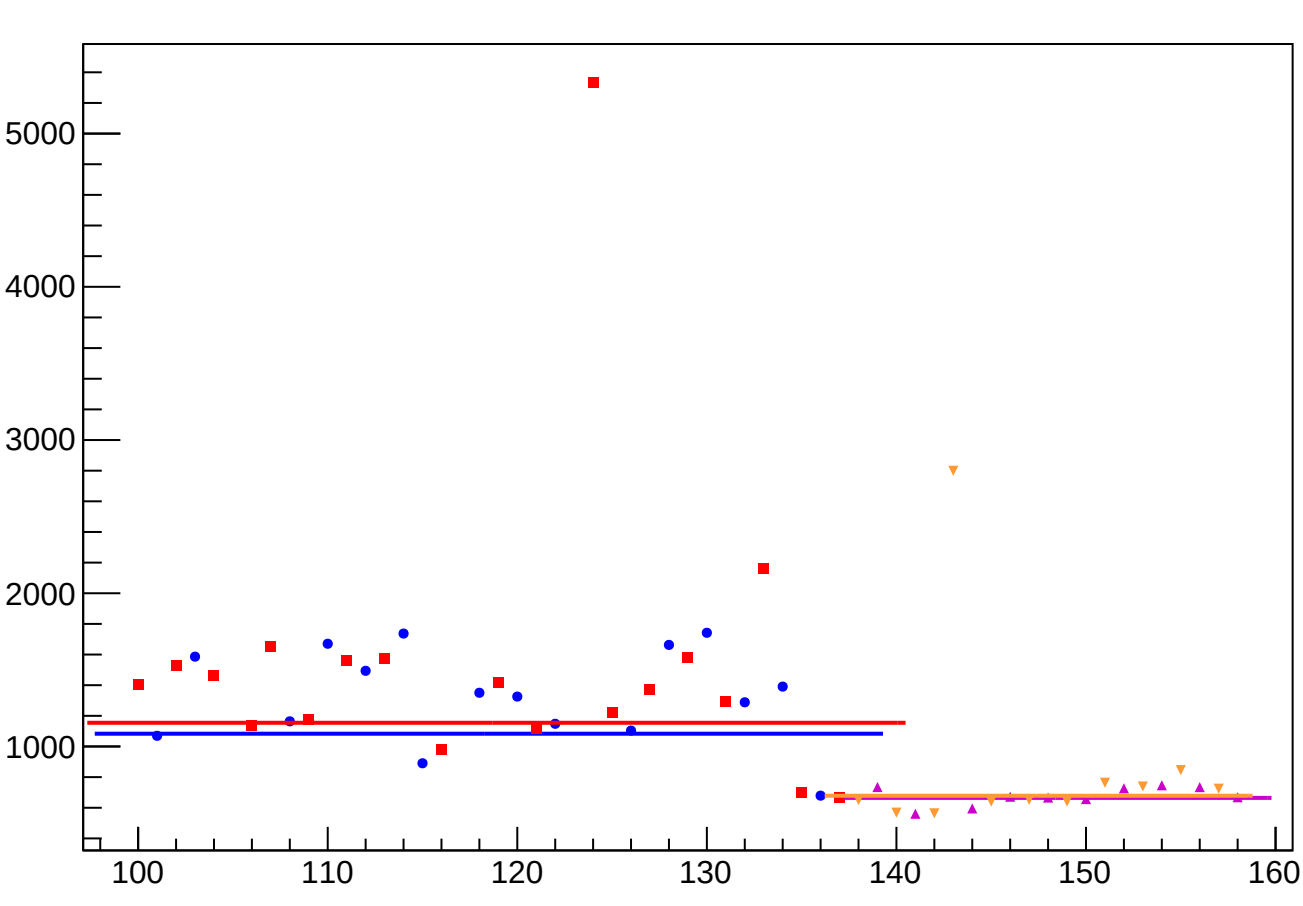
Left: 234.674+/-164.378 χ^2/NDF: 52.0/20

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 27.154+/-199.844 χ^2/NDF:33.6/25

Out: 460.109+/-210.869 χ^2/NDF:60.2/29

All: 232.018+/-145.052 χ^2/NDF: 96.1/55



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 678.507+/-0.169 χ^2/NDF:1155522.0/10

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.408+/-0.160 χ^2/NDF:148962.3/9

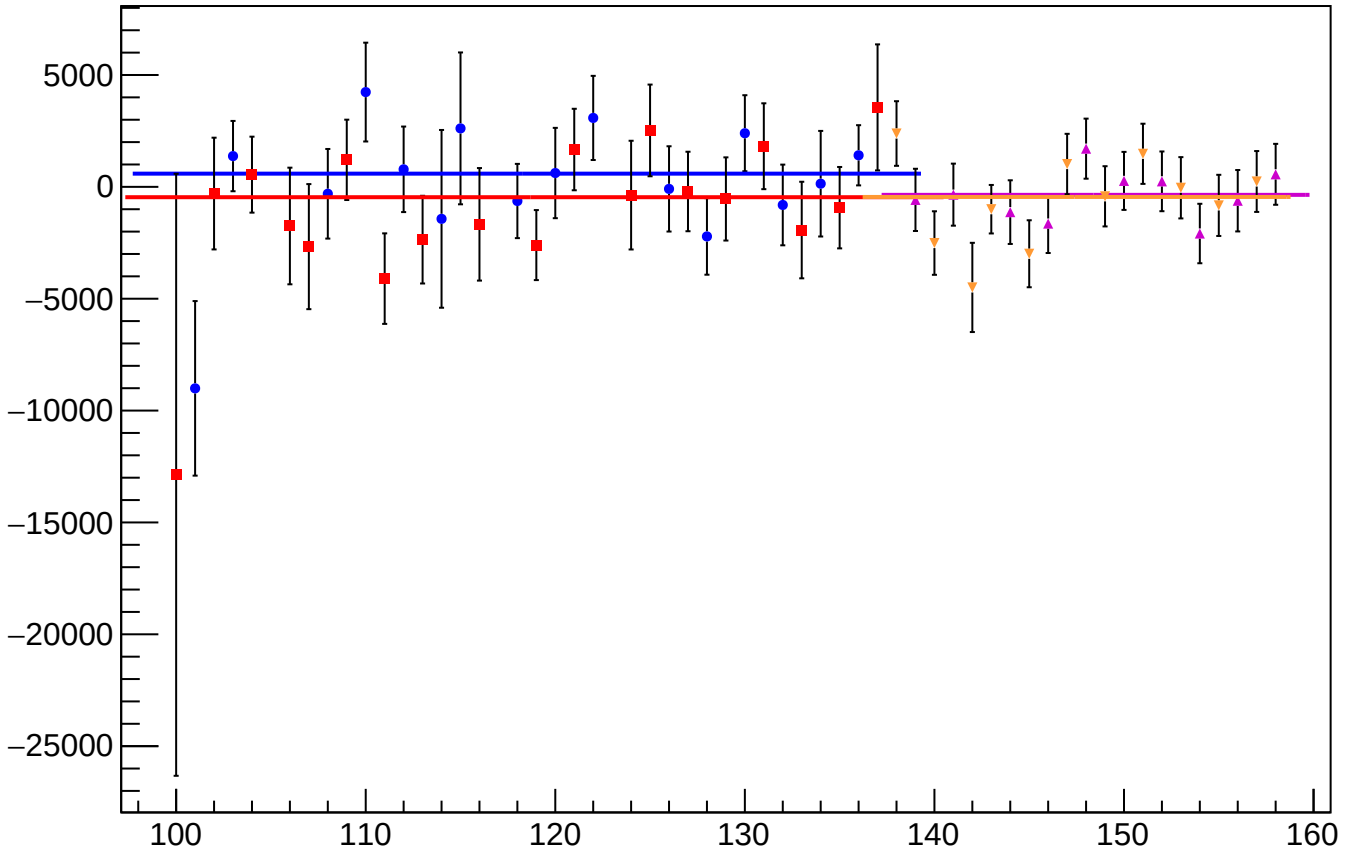
Left: 671.075+/-0.116 χ^2/NDF: 1308151.7/20

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 756.940+/-0.141 χ^2/NDF:3021581.8/25

Out: 784.137+/-0.149 χ^2/NDF:4404527.0/29

All: 769.809+/-0.103 χ^2/NDF: 7443635.8/55



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -451.273+/-415.740 χ^2/NDF:16.9/10

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -357.696+/-428.095 χ^2/NDF:6.3/9

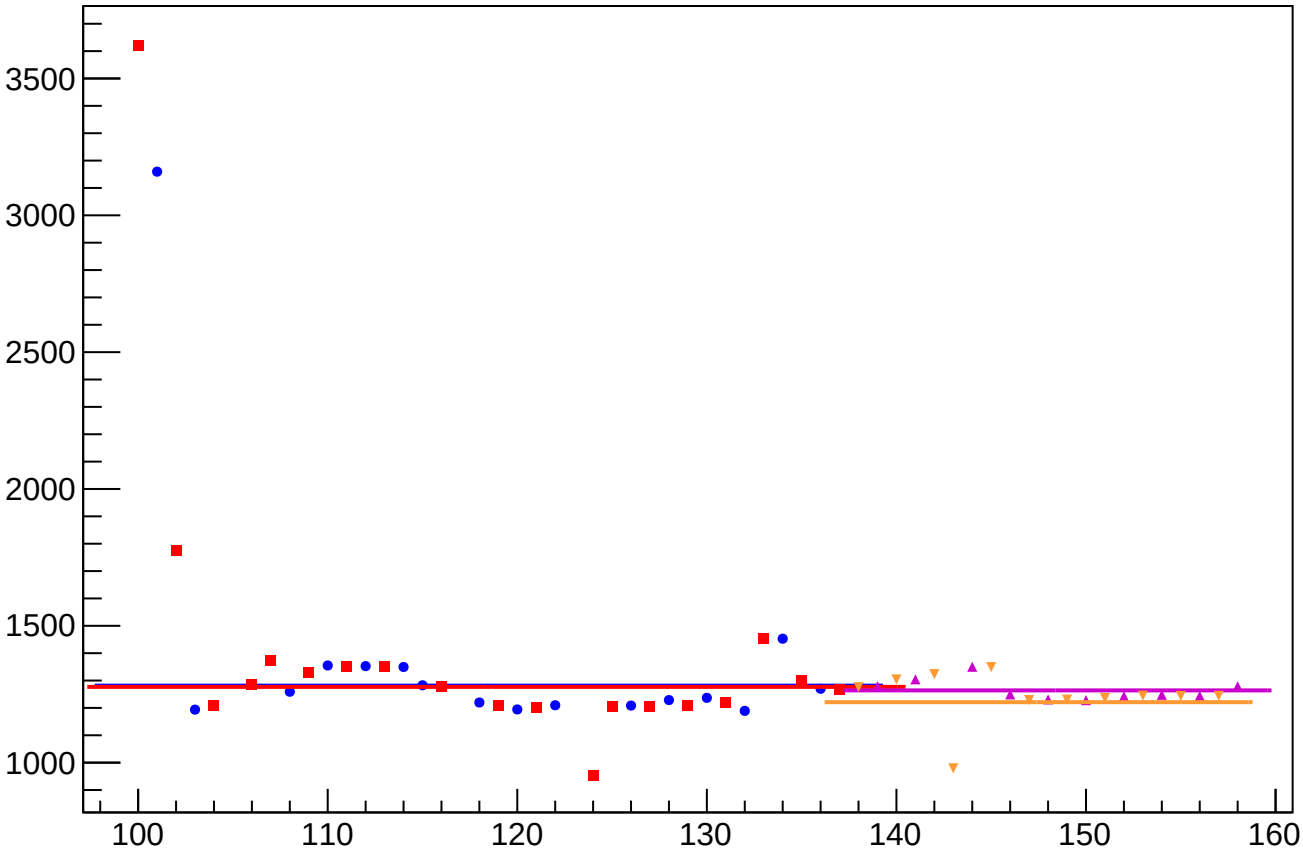
Left: -405.854+/-298.245 χ^2/NDF: 23.2/20

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 56.996+/-321.091 χ^2/NDF:25.5/25

Out: -456.167+/-313.350 χ^2/NDF:33.6/29

All: -205.846+/-224.259 χ^2/NDF: 60.4/55



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131253.7/10

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

Left: 1241.854+/-0.211 χ^2/NDF: 155400.6/20

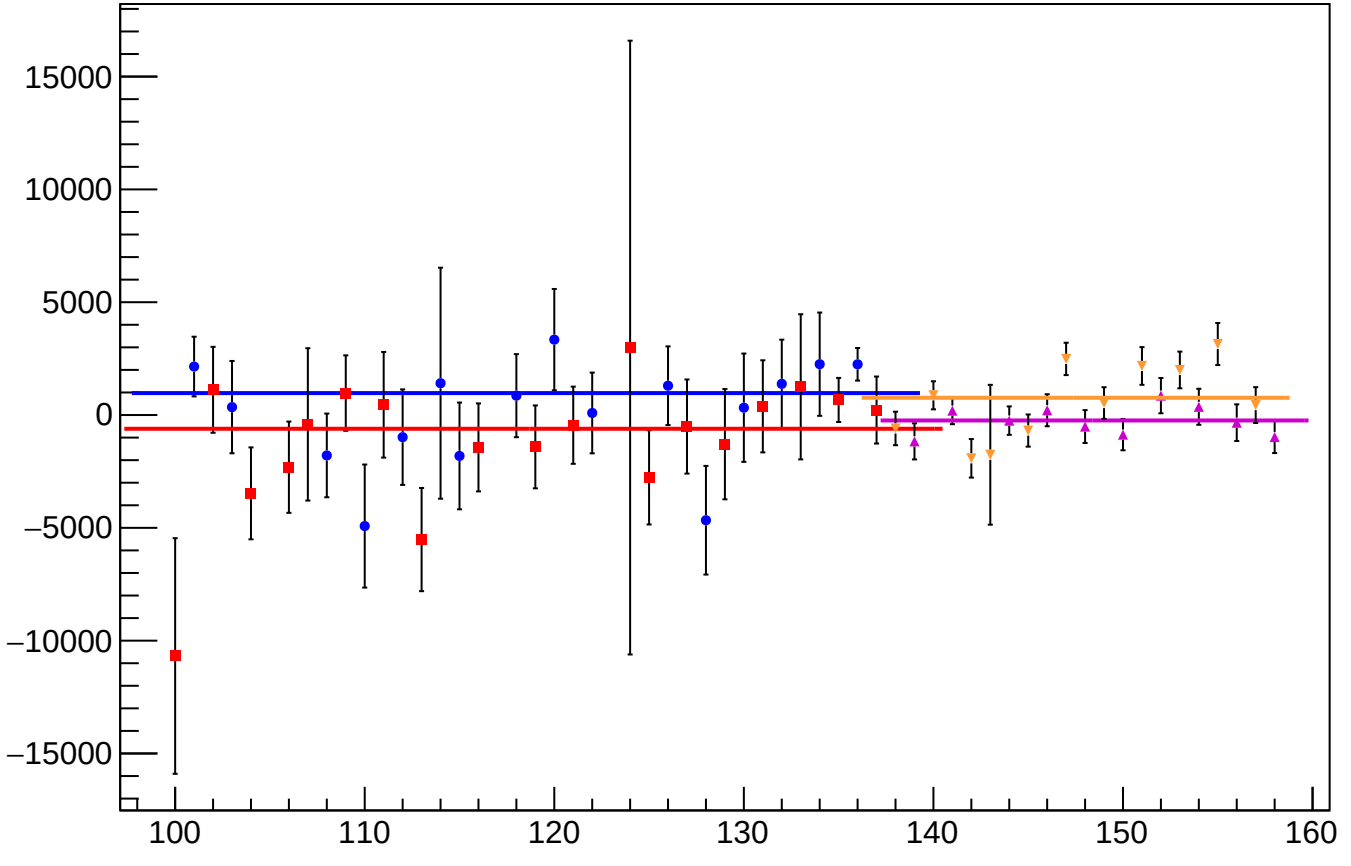
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1271.597+/-0.227 χ^2/NDF:522266.5/25

Out: 1245.109+/-0.222 χ^2/NDF:367379.9/29

All: 1258.030+/-0.159 χ^2/NDF: 896617.8/55

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 764.685+/-239.040 χ^2/NDF:35.8/10

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -240.790+/-226.406 χ^2/NDF:6.9/9

Left: 234.676+/-164.378 χ^2/NDF: 52.0/20

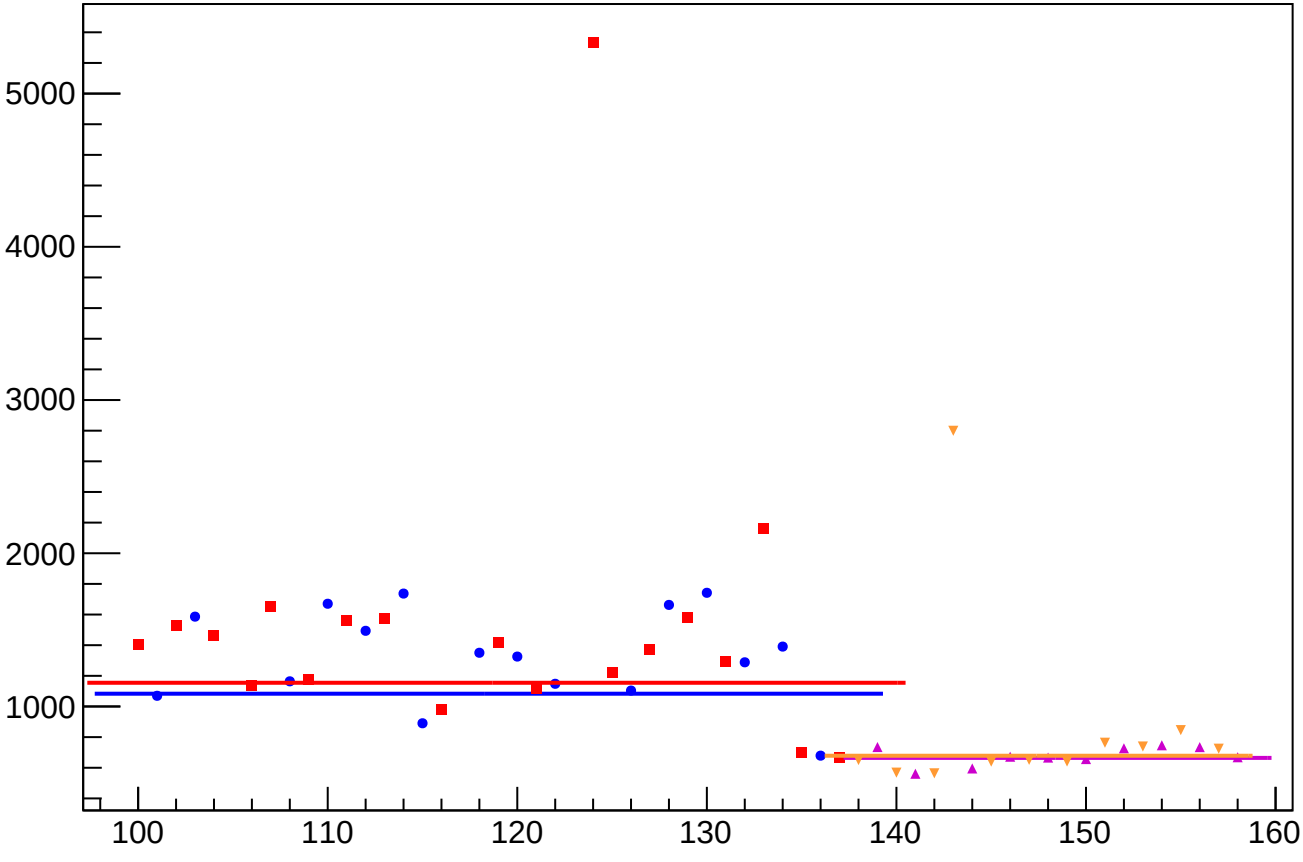
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 27.151+/-199.844 χ^2/NDF:33.6/25

Out: 460.112+/-210.869 χ^2/NDF:60.2/29

All: 232.017+/-145.052 χ^2/NDF: 96.1/55

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 678.508+/-0.169 χ^2/NDF:1155513.9/10

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.408+/-0.160 χ^2/NDF:148964.4/9

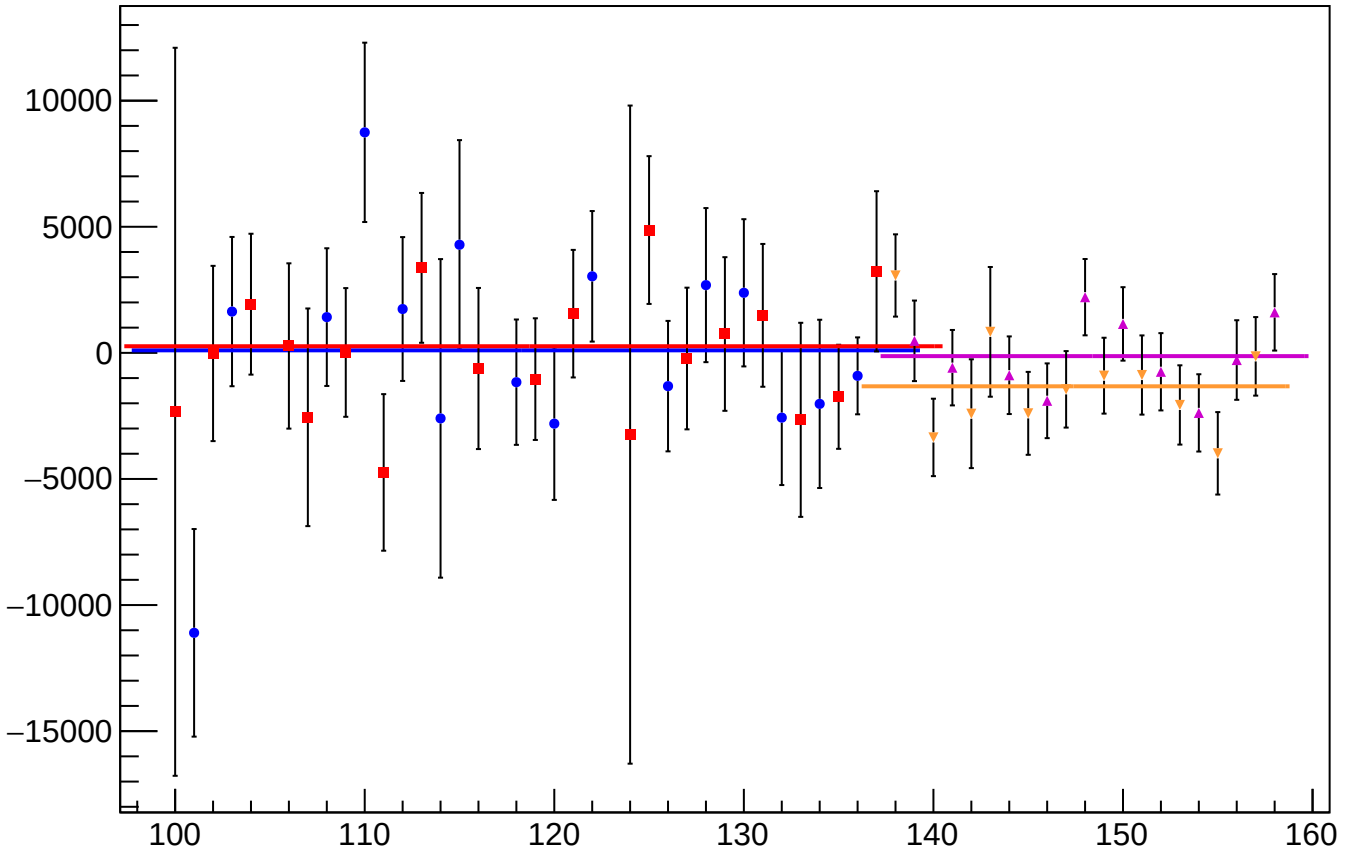
Left: 671.076+/-0.116 χ^2/NDF: 1308146.5/20

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 756.941+/-0.141 χ^2/NDF:3021562.9/25

Out: 784.139+/-0.149 χ^2/NDF:4404497.0/29

All: 769.811+/-0.103 χ^2/NDF: 7443588.4/55



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1326.223+/-499.420 χ^2/NDF:14.0/10

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -129.264+/-481.560 χ^2/NDF:8.7/9

Left: -705.958+/-346.657 χ^2/NDF: 25.7/20

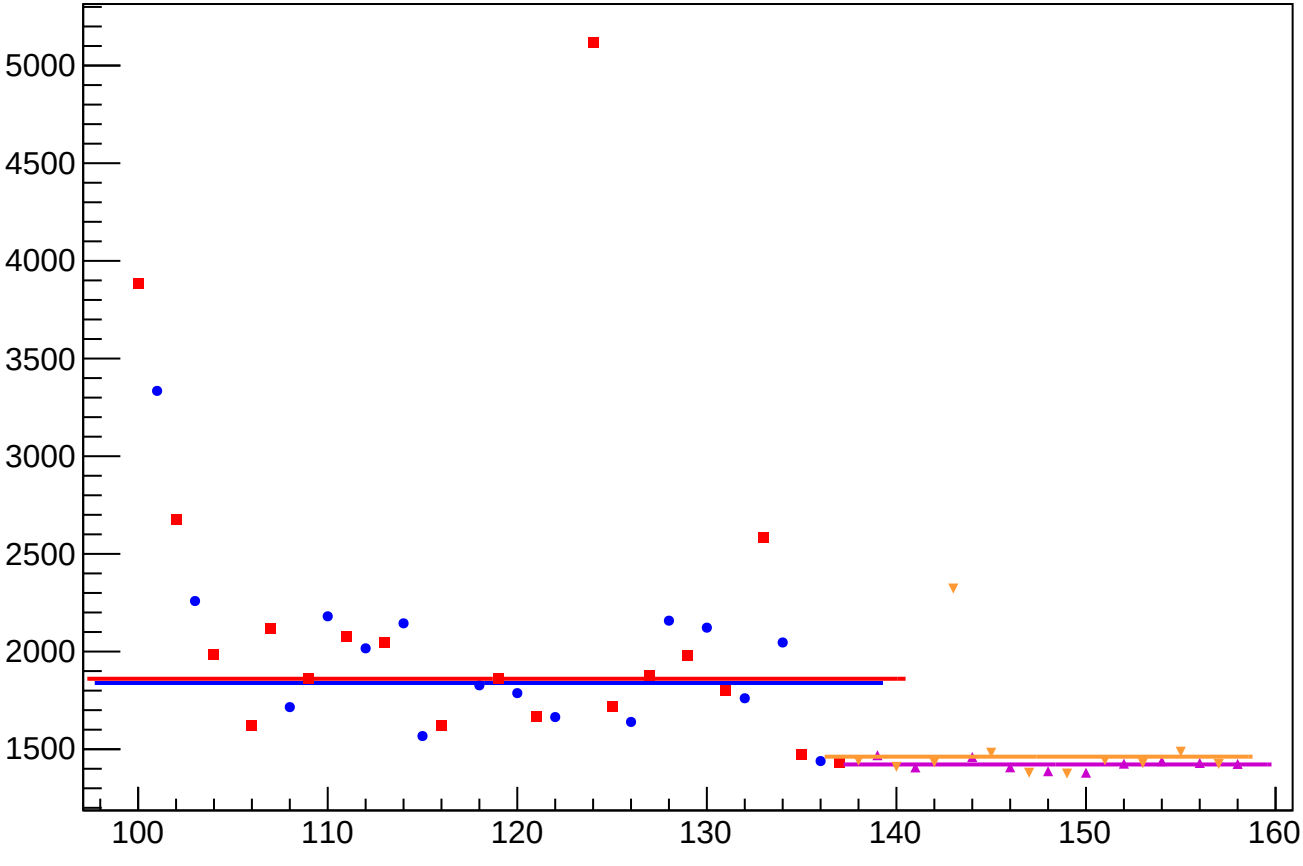
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -55.326+/-396.558 χ^2/NDF:30.1/25

Out: -789.958+/-406.500 χ^2/NDF:27.7/29

All: -413.548+/-283.859 χ^2/NDF: 59.5/55

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: 1461.829+/-0.353 χ^2/NDF:242538.6/10

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1422.020+/-0.341 χ^2/NDF:6405.5/9

Left: 1441.200+/-0.245 χ^2/NDF: 255529.2/20

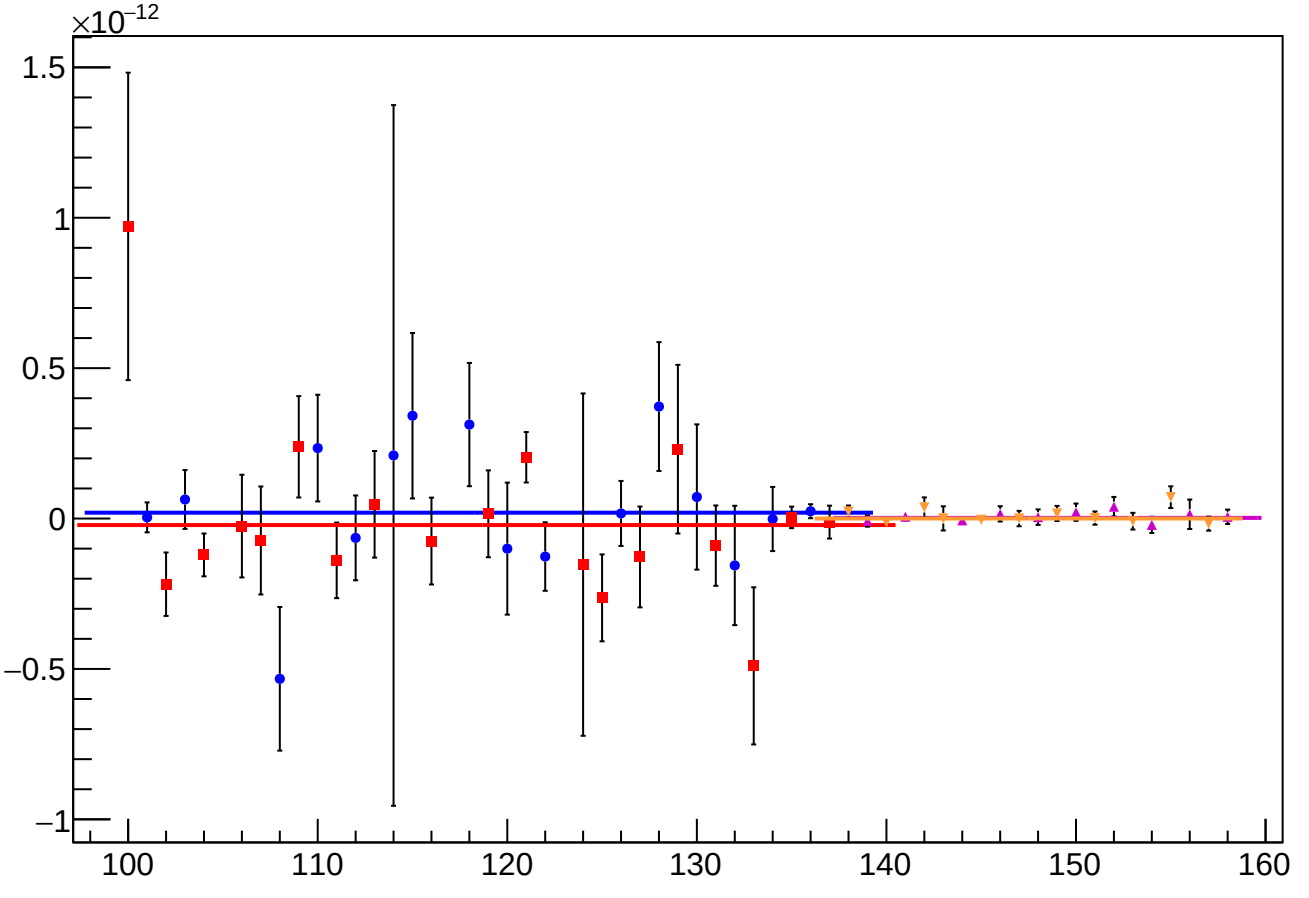
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1556.270+/-0.280 χ^2/NDF:1046052.7/25

Out: 1596.466+/-0.287 χ^2/NDF:1195331.5/29

All: 1575.871+/-0.201 χ^2/NDF: 2251404.2/55

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/9

Left: 0.000+/-0.000 χ^2/NDF: 12.7/20

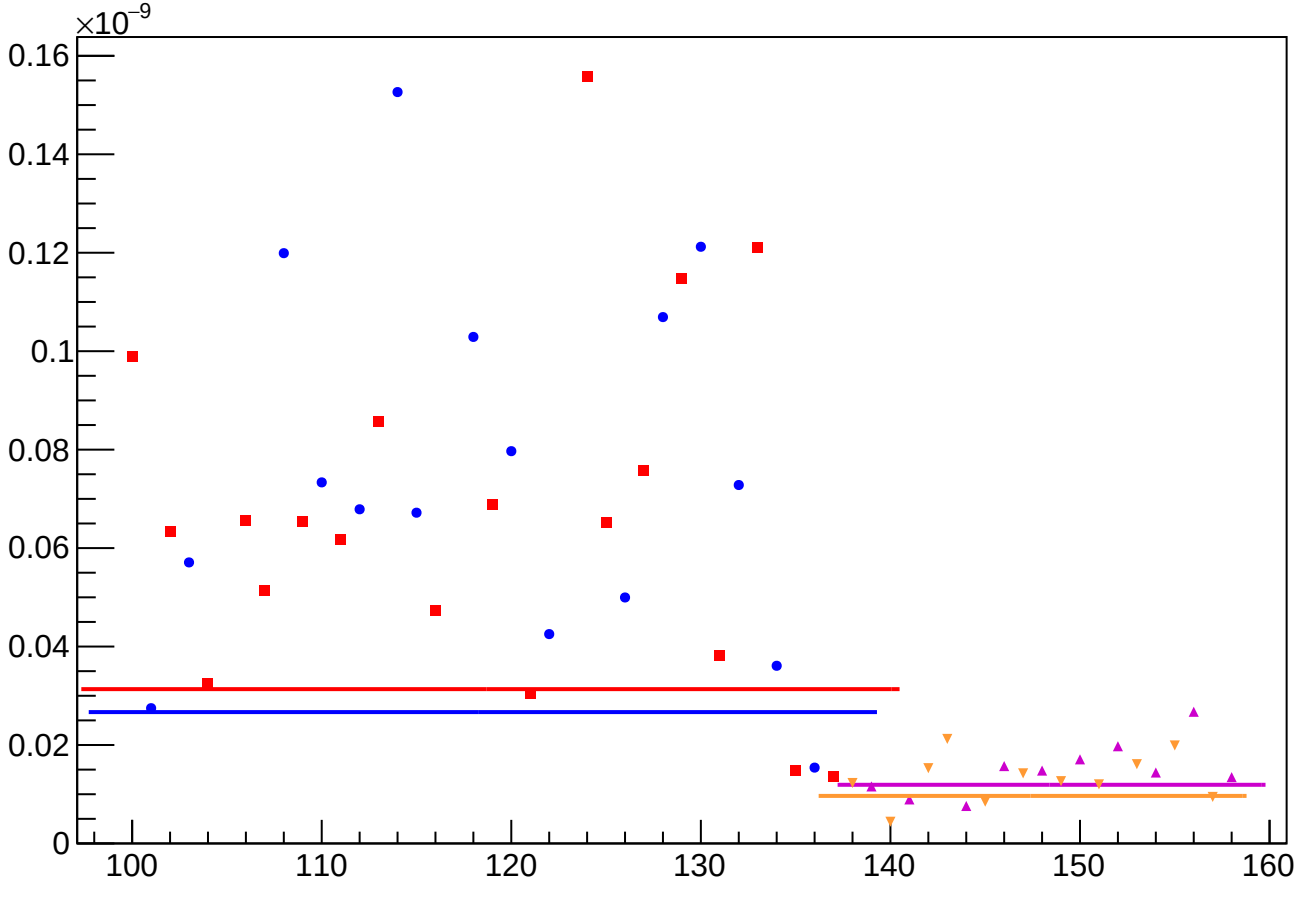
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.8/25

Out: -0.000+/-0.000 χ^2/NDF:38.1/29

All: 0.000+/-0.000 χ^2/NDF: 59.3/55

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136099.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:737470.9/9

Left: 0.000+/-0.000 χ^2/NDF: 1992218.6/20

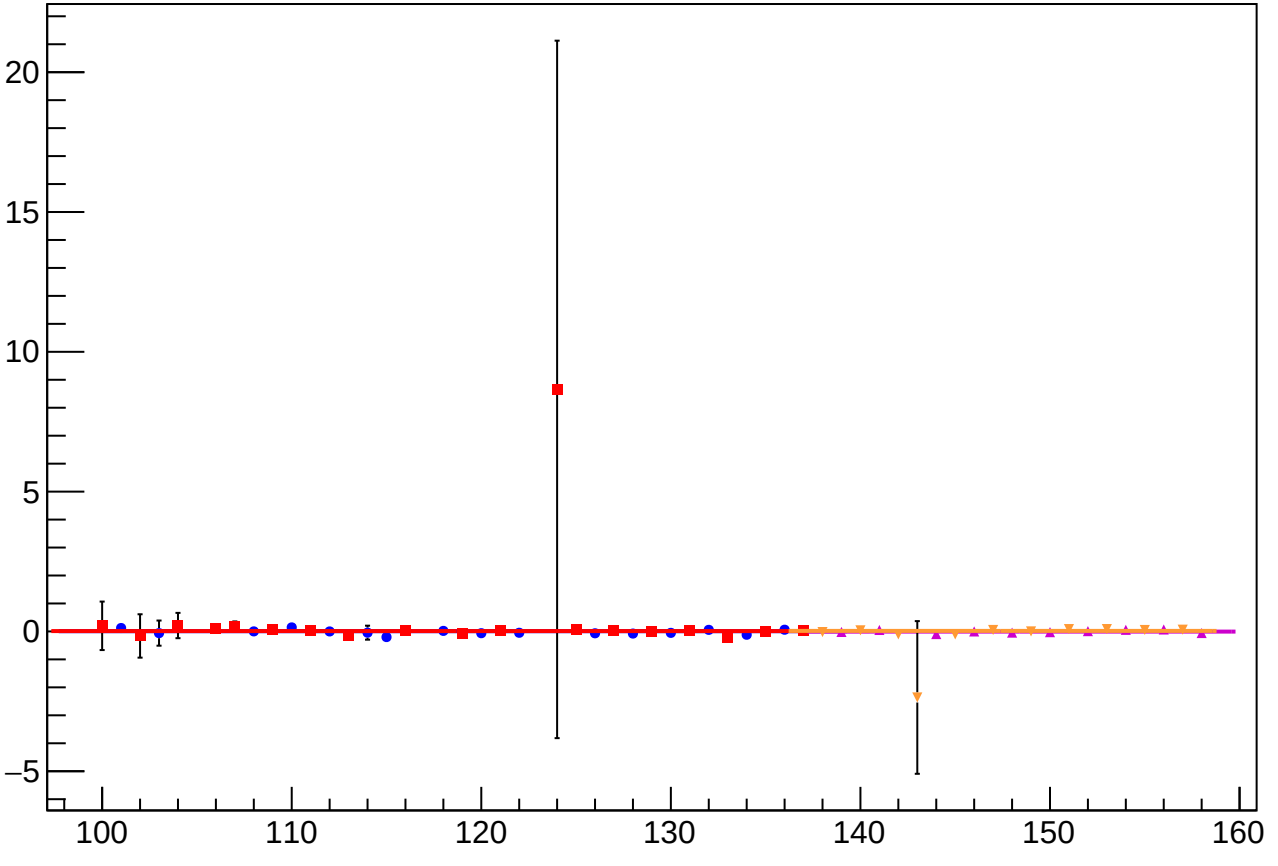
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4405200.7/25

Out: 0.000+/-0.000 χ^2/NDF:5168590.9/29

All: 0.000+/-0.000 χ^2/NDF: 9729875.8/55

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: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

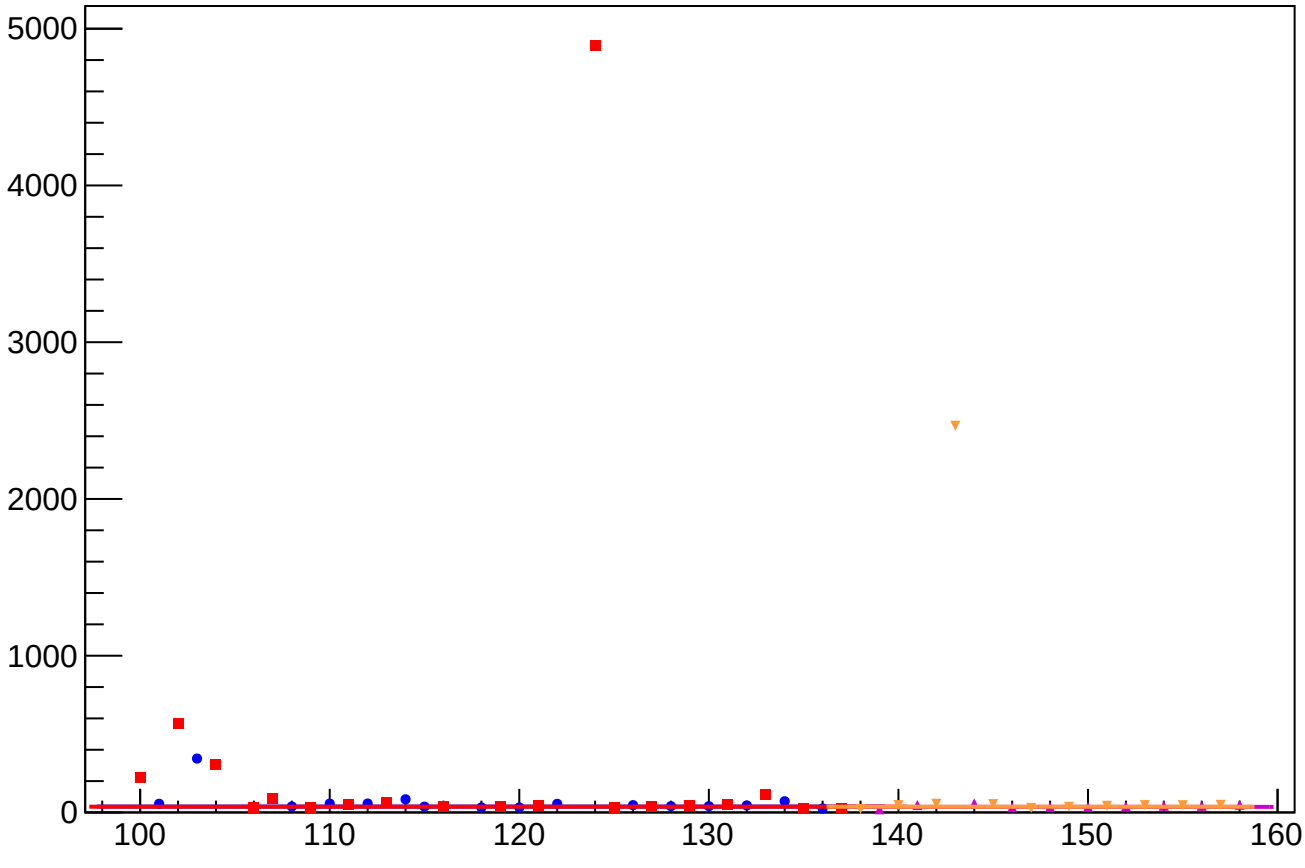
Left: 0.006+/-0.010 χ^2/NDF: 26.2/20

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.016+/-0.011 χ^2/NDF:27.6/29

All: 0.008+/-0.007 χ^2/NDF: 58.1/55



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 36.493+/-0.010 χ^2/NDF:2778479.6/10

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

Left: 36.012+/-0.007 χ^2/NDF: 3977992.5/20

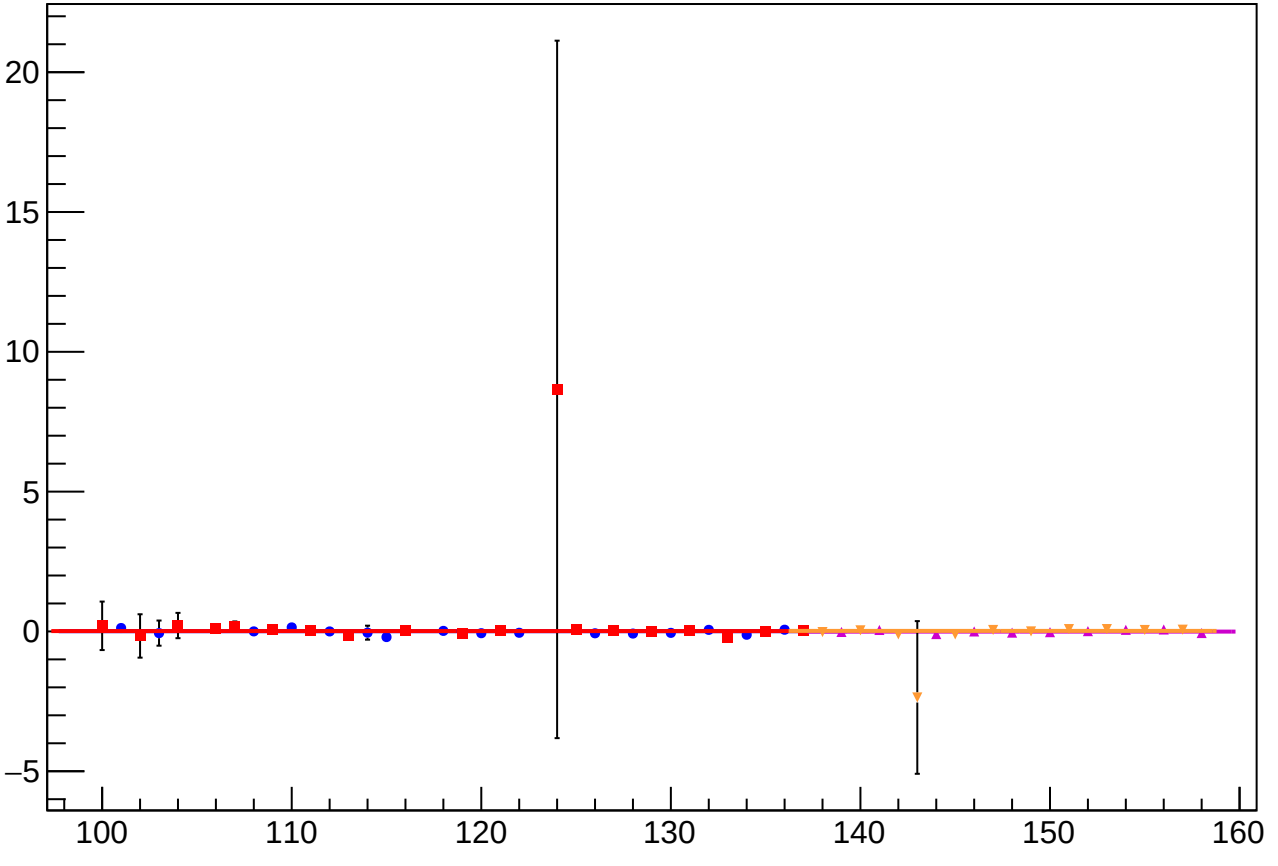
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.369+/-0.007 χ^2/NDF:3195111.2/25

Out: 36.610+/-0.008 χ^2/NDF:5969492.0/29

All: 36.483+/-0.005 χ^2/NDF: 9165121.5/55

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: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.006+/-0.010 χ^2/NDF: 26.2/20

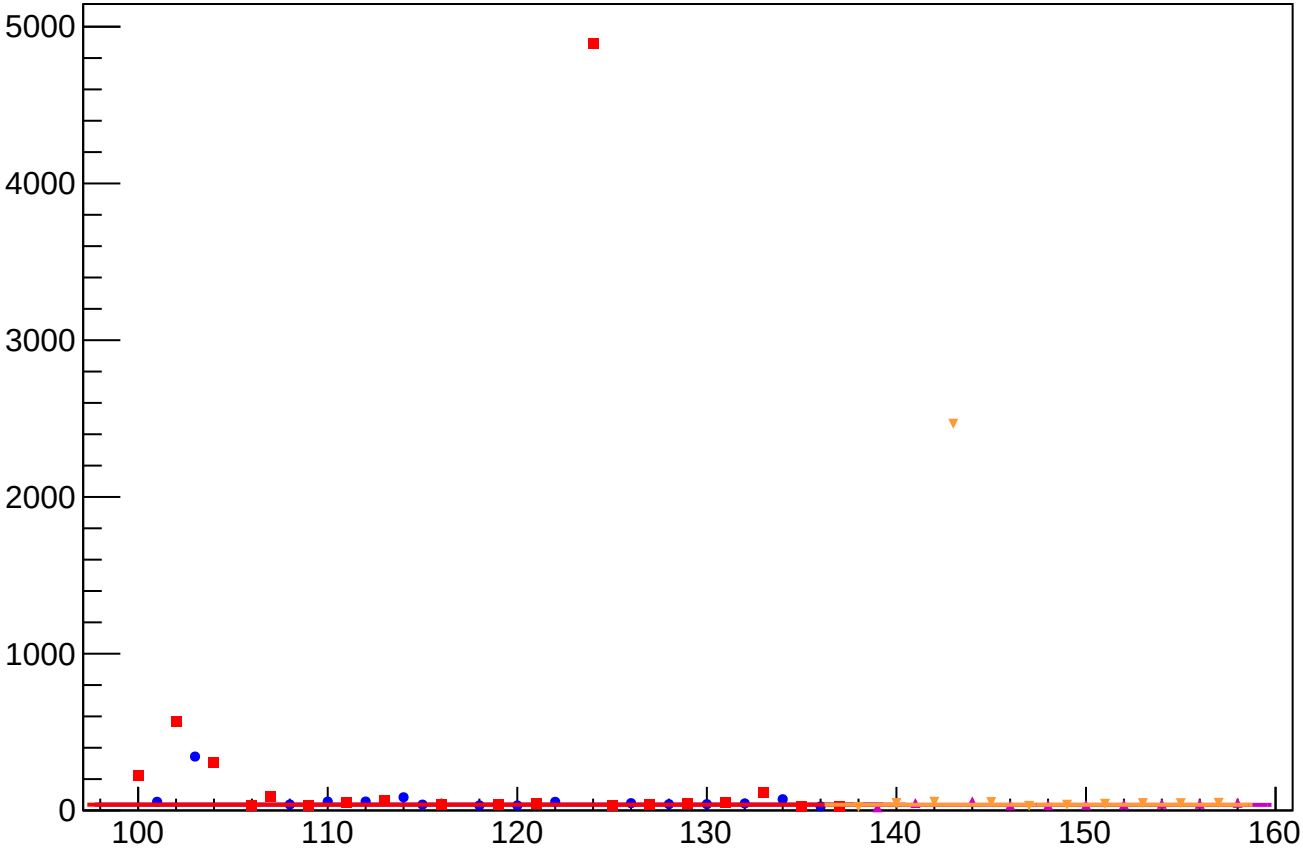
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.016+/-0.011 χ^2/NDF:27.6/29

All: 0.008+/-0.007 χ^2/NDF: 58.1/55

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: 36.493+/-0.010 χ^2/NDF:2778479.6/10

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

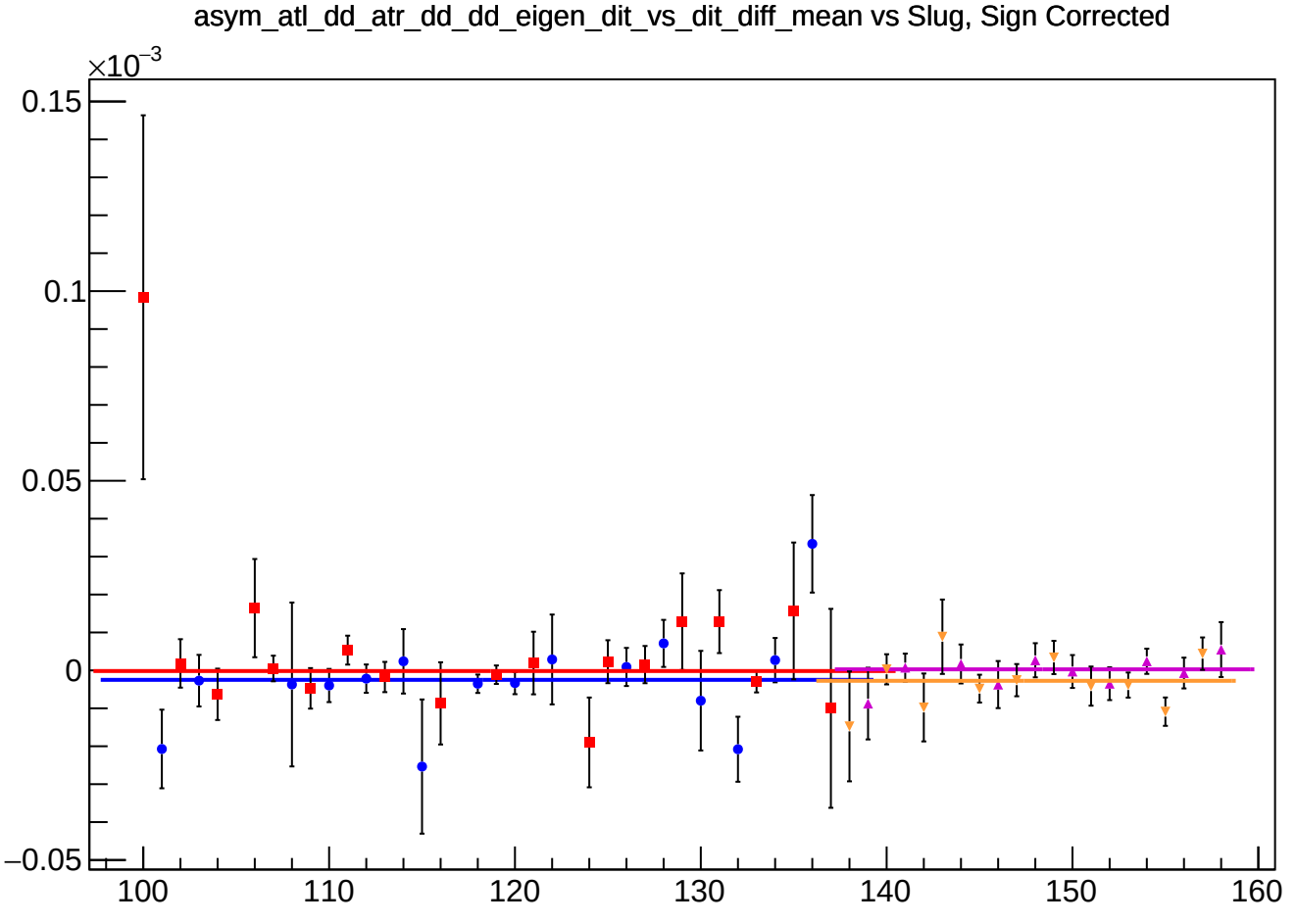
Left: 36.012+/-0.007 χ^2/NDF: 3977992.5/20

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.369+/-0.007 χ^2/NDF:3195111.2/25

Out: 36.610+/-0.008 χ^2/NDF:5969492.0/29

All: 36.483+/-0.005 χ^2/NDF: 9165121.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

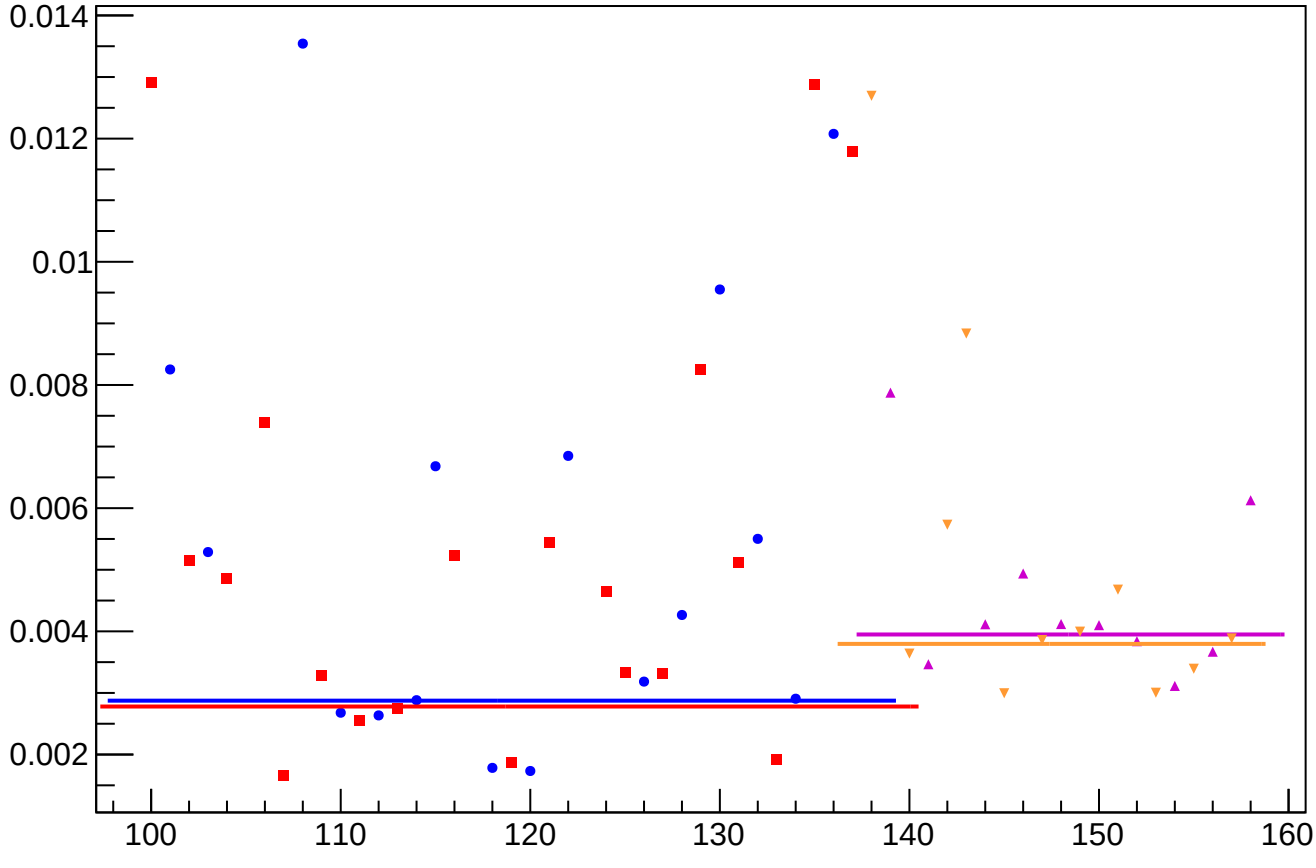
Left: -0.000+/-0.000 χ^2/NDF: 19.1/20

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:27.3/25

Out: -0.000+/-0.000 χ^2/NDF:34.2/29

All: -0.000+/-0.000 χ^2/NDF: 61.6/55



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1675809.3/10

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:755738.4/9

Left: 0.004+/-0.000 χ^2/NDF: 2443246.0/20

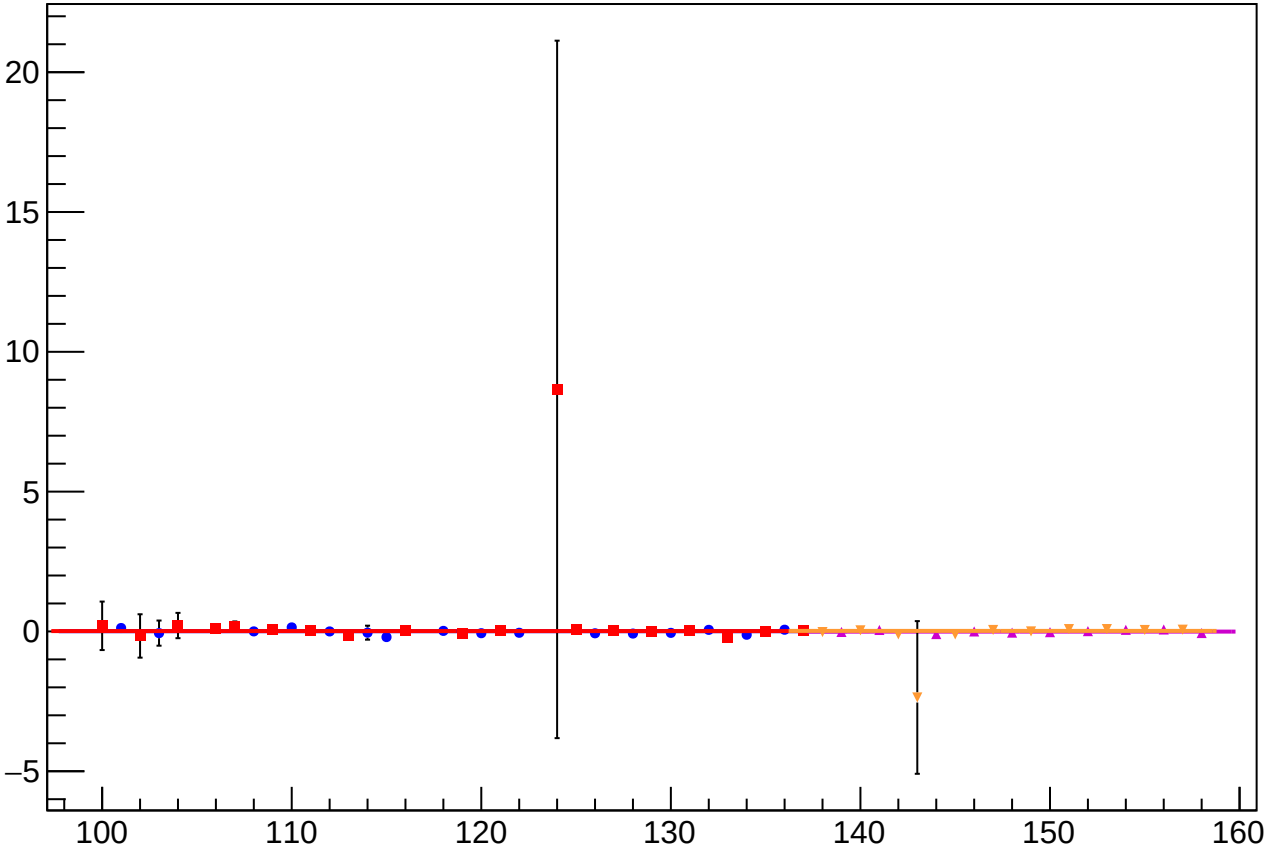
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5514272.4/25

Out: 0.003+/-0.000 χ^2/NDF:5619319.0/29

All: 0.003+/-0.000 χ^2/NDF: 11158613.4/55

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: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.006+/-0.010 χ^2/NDF: 26.2/20

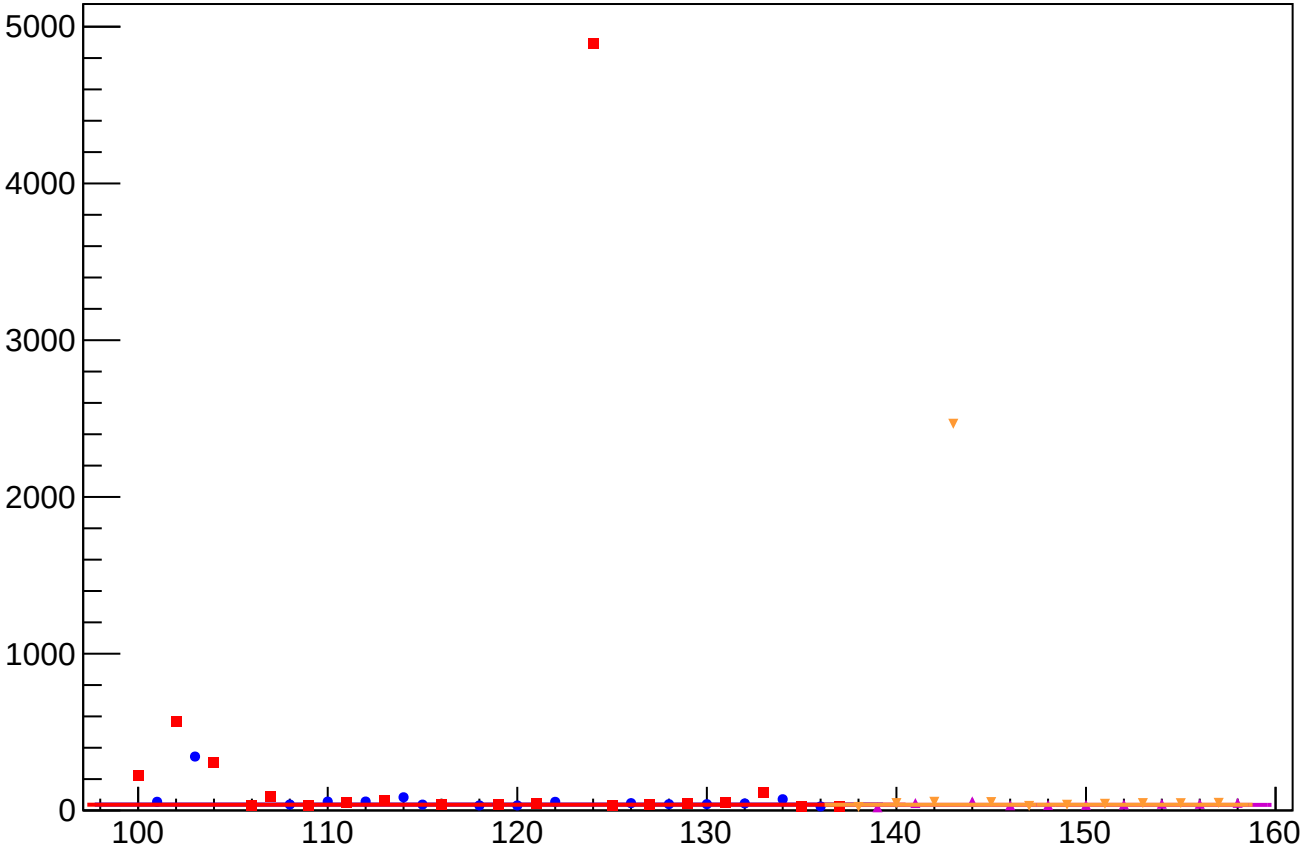
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.016+/-0.011 χ^2/NDF:27.6/29

All: 0.008+/-0.007 χ^2/NDF: 58.1/55

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: 36.490+/-0.010 χ^2/NDF:2779003.4/10

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

Left: 36.012+/-0.007 χ^2/NDF: 3977485.6/20

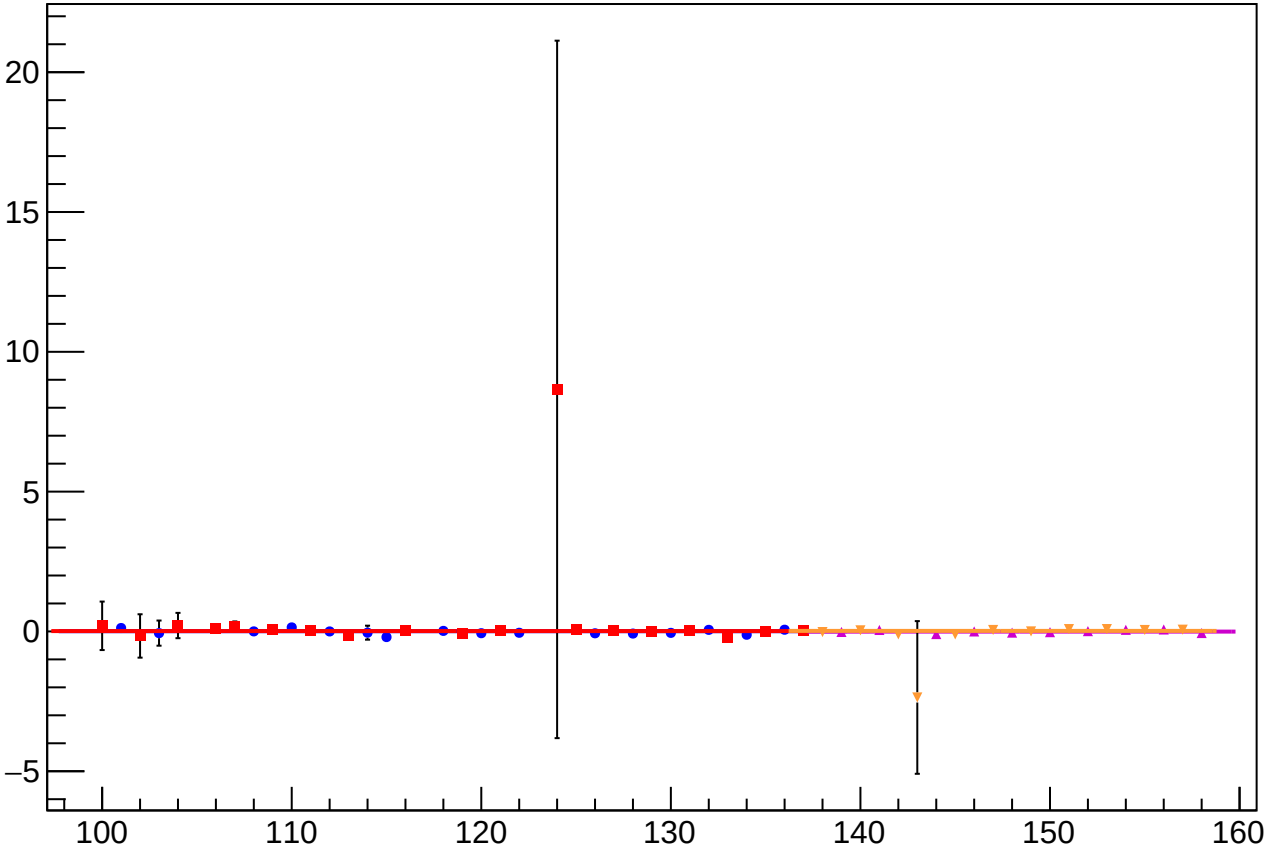
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.372+/-0.007 χ^2/NDF:3194016.3/25

Out: 36.609+/-0.008 χ^2/NDF:5969726.1/29

All: 36.484+/-0.005 χ^2/NDF: 9164247.5/55

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: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.006+/-0.010 χ^2/NDF: 26.2/20

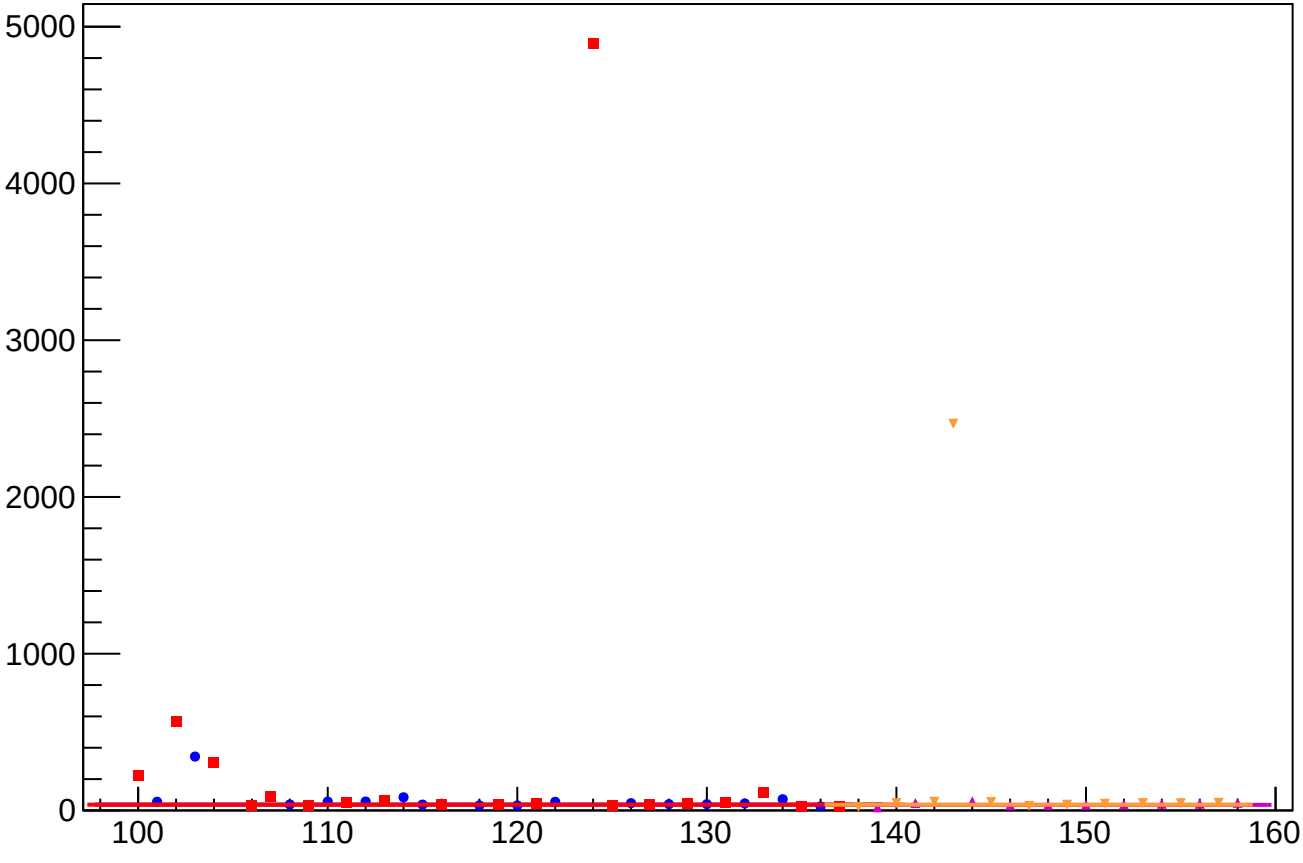
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.016+/-0.011 χ^2/NDF:27.6/29

All: 0.008+/-0.007 χ^2/NDF: 58.1/55

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: 36.490+/-0.010 χ^2/NDF:2779003.4/10

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

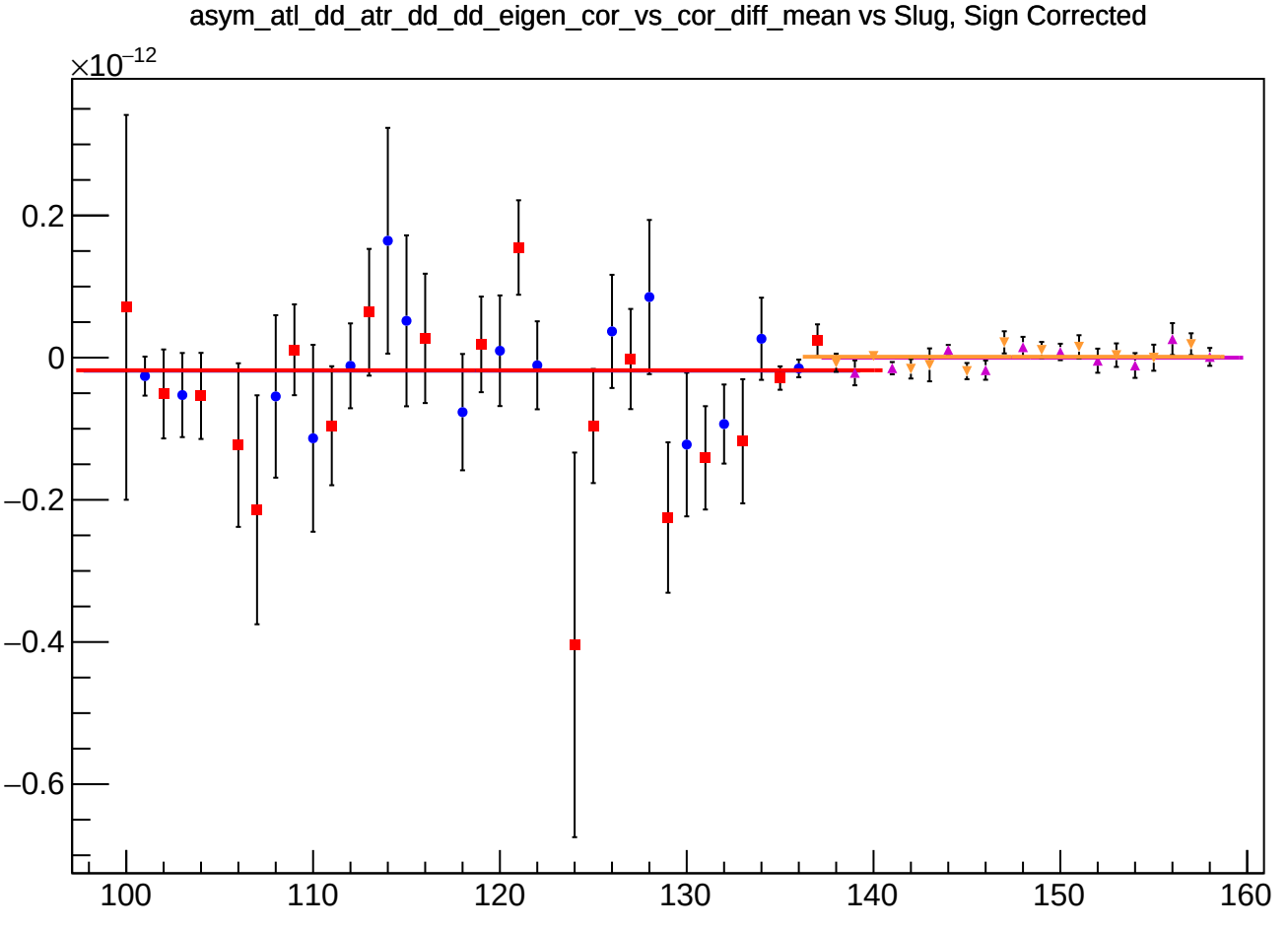
Left: 36.012+/-0.007 χ^2/NDF: 3977485.6/20

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.372+/-0.007 χ^2/NDF:3194016.3/25

Out: 36.609+/-0.008 χ^2/NDF:5969726.1/29

All: 36.484+/-0.005 χ^2/NDF: 9164247.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/9

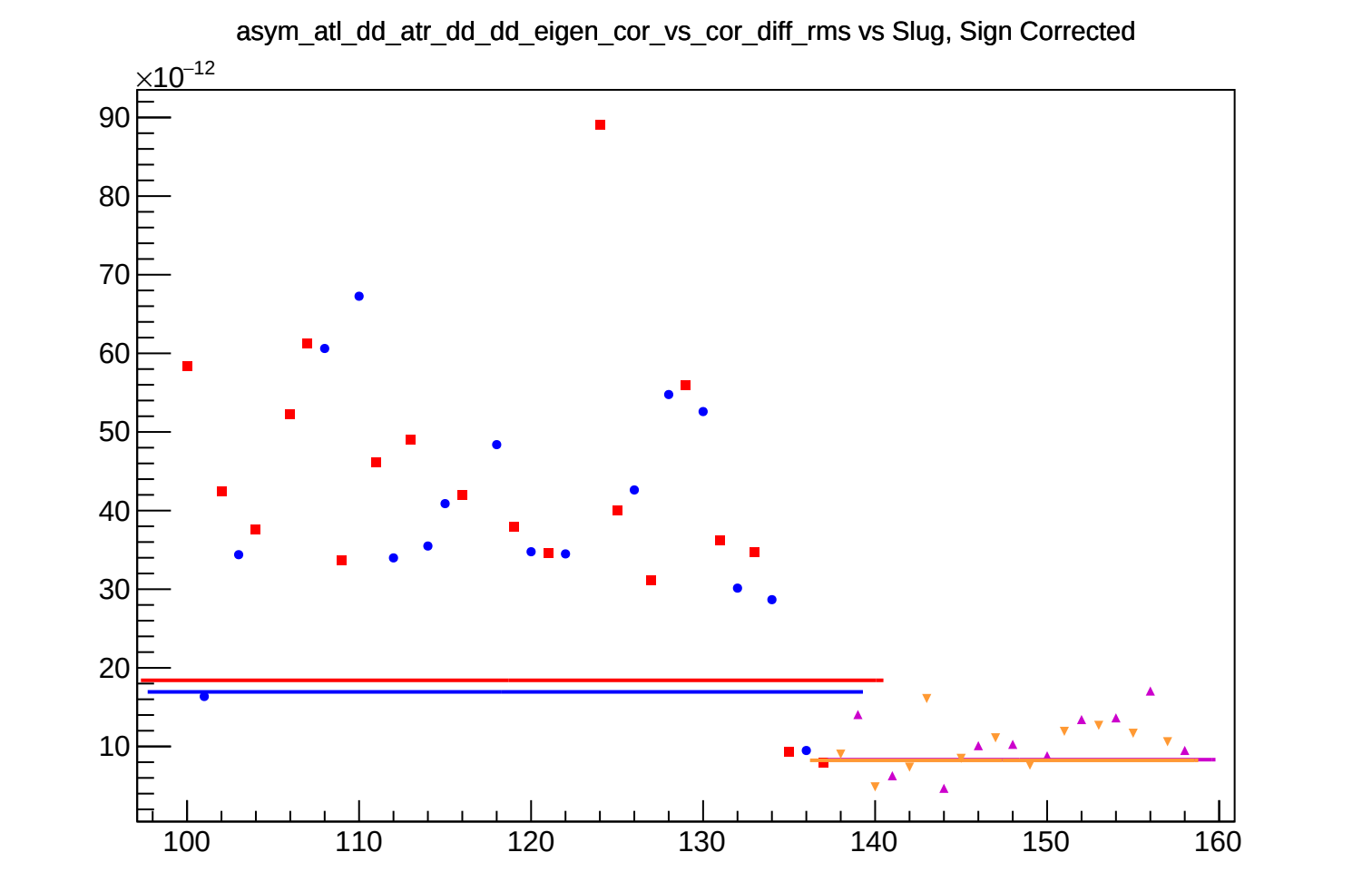
Left: 0.000+/-0.000 χ^2/NDF: 21.8/20

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:23.0/25

Out: -0.000+/-0.000 χ^2/NDF:39.8/29

All: -0.000+/-0.000 χ^2/NDF: 63.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1185871.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1624518.7/9

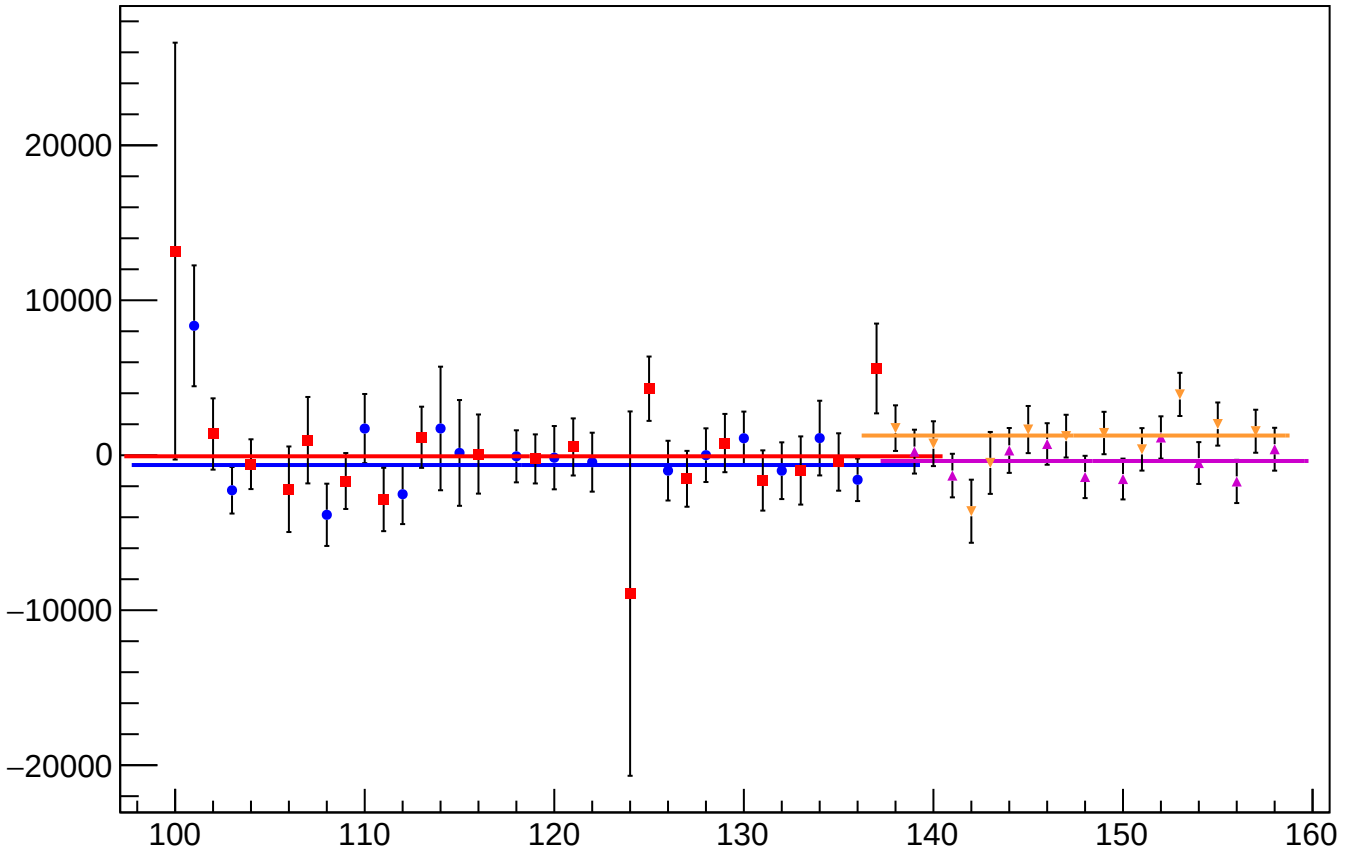
Left: 0.000+/-0.000 χ^2/NDF: 2810893.1/20

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6150617.1/25

Out: 0.000+/-0.000 χ^2/NDF:6377364.3/29

All: 0.000+/-0.000 χ^2/NDF: 12528997.7/55



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.584+/-446.901 χ^2/NDF:11.2/10

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -370.992+/-435.347 χ^2/NDF:5.3/9

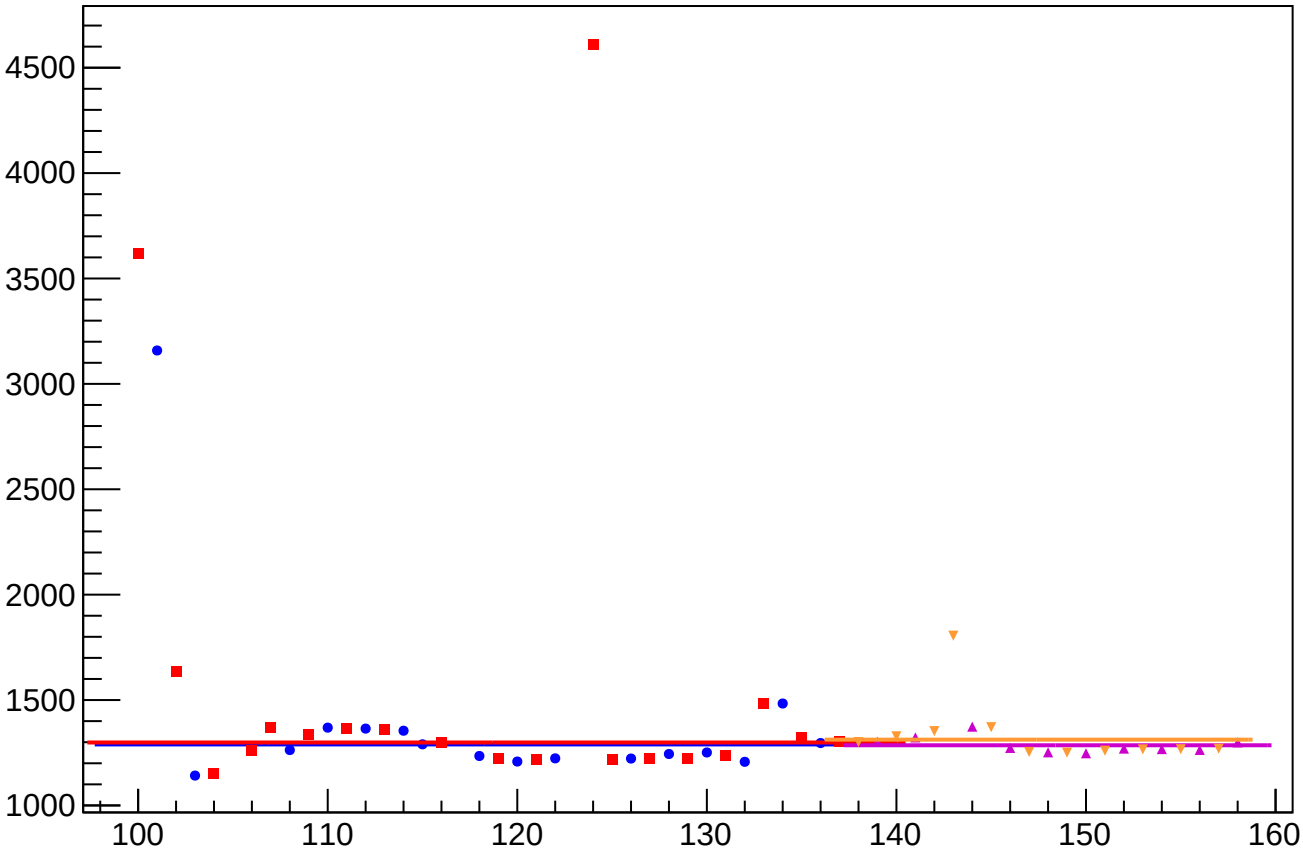
Left: 428.788+/-311.842 χ^2/NDF: 23.5/20

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -486.062+/-325.059 χ^2/NDF:19.4/25

Out: 660.405+/-329.506 χ^2/NDF:31.2/29

All: 79.381+/-231.408 χ^2/NDF: 56.7/55



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

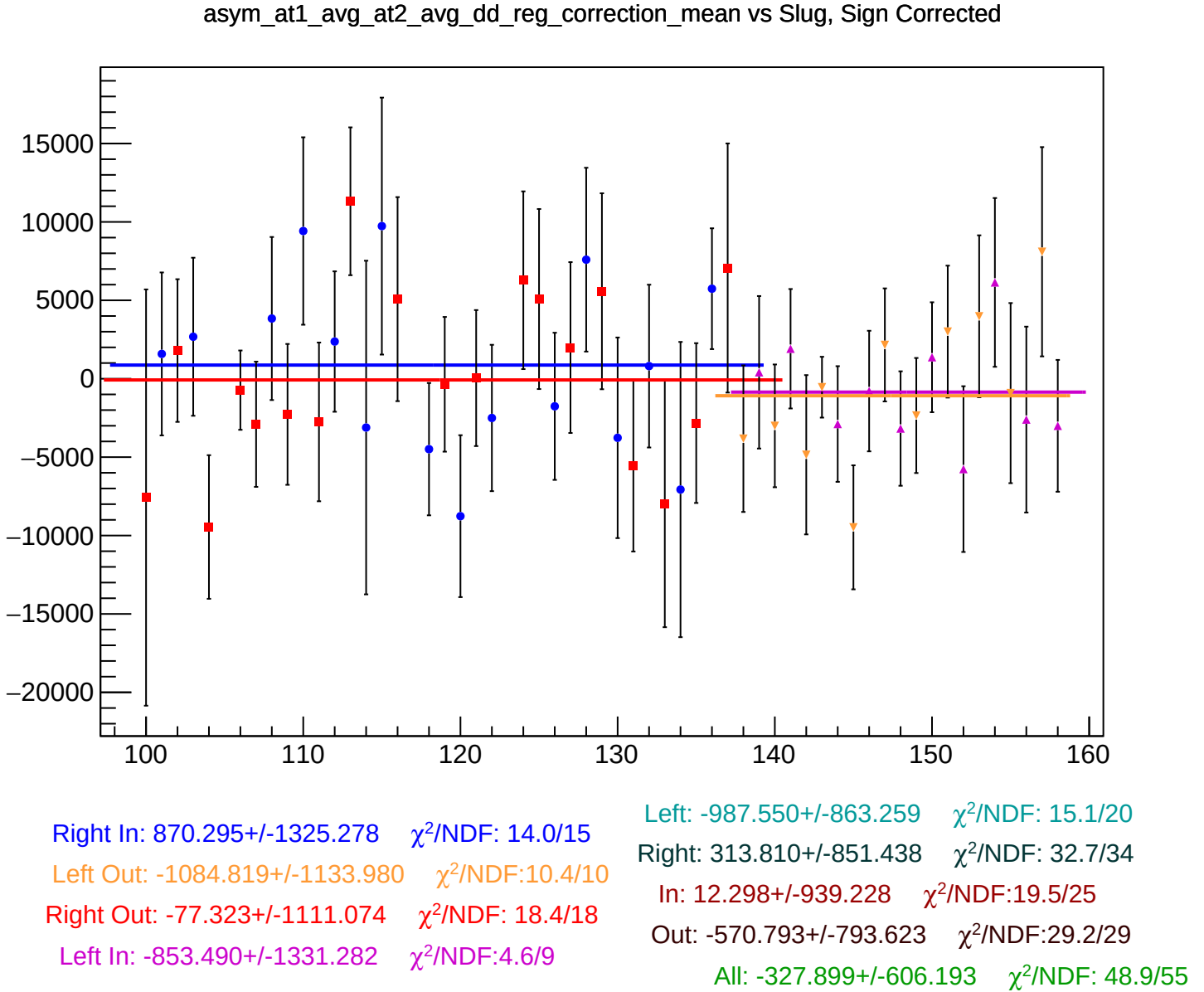
Left: 1298.415+/-0.221 χ^2/NDF: 159888.6/20

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

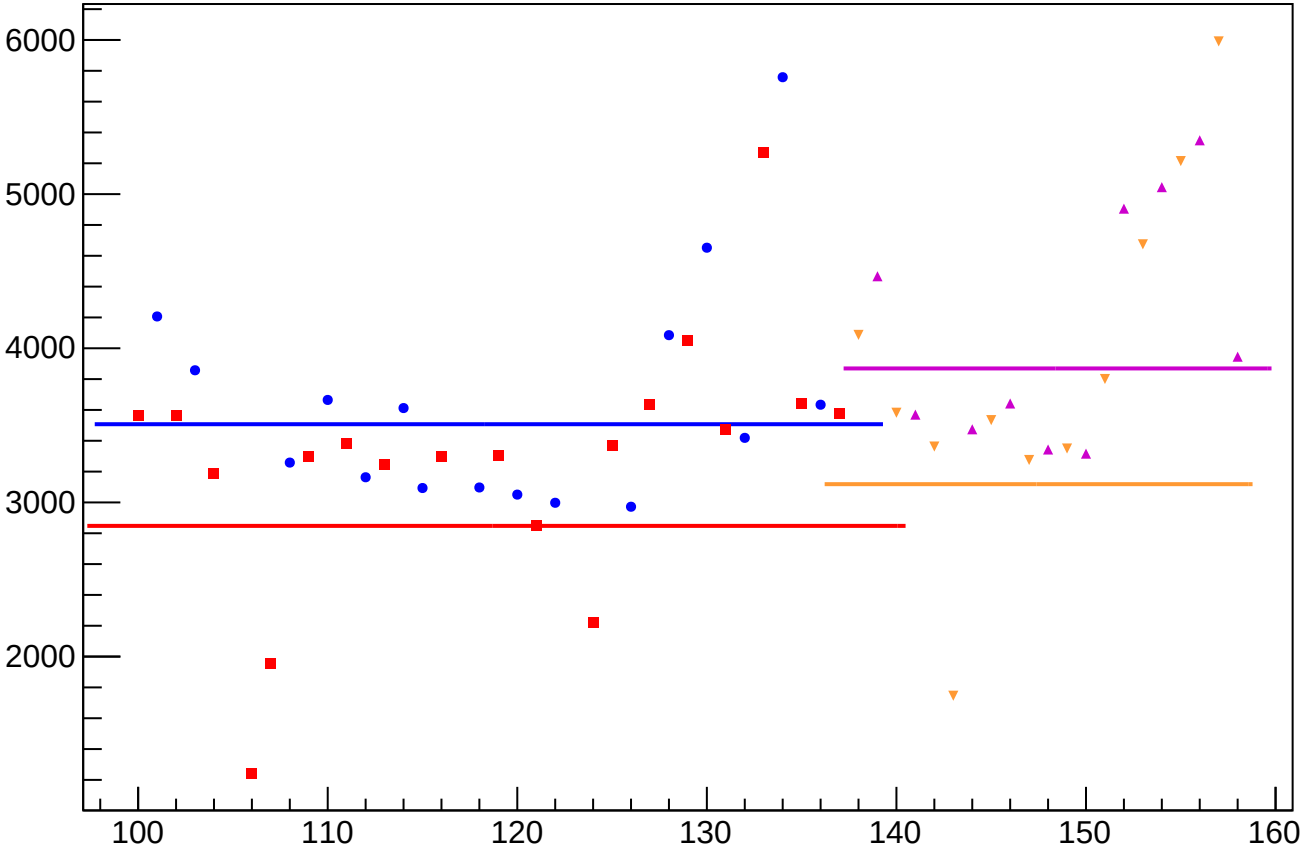
In: 1287.207+/-0.230 χ^2/NDF:528223.0/25

Out: 1305.955+/-0.233 χ^2/NDF:462959.1/29

All: 1296.465+/-0.164 χ^2/NDF: 994467.5/55


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -1084.819+/-1133.980 χ²/NDF:10.4/10
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -853.490+/-1331.282 χ²/NDF:4.6/9
Left: -987.550+/-863.259 χ²/NDF: 15.1/20
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 12.298+/-939.228 χ²/NDF:19.5/25
Out: -570.793+/-793.623 χ²/NDF:29.2/29
All: -327.899+/-606.193 χ²/NDF: 48.9/55

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3118.453+/-0.802 χ^2/NDF:2024690.3/10

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

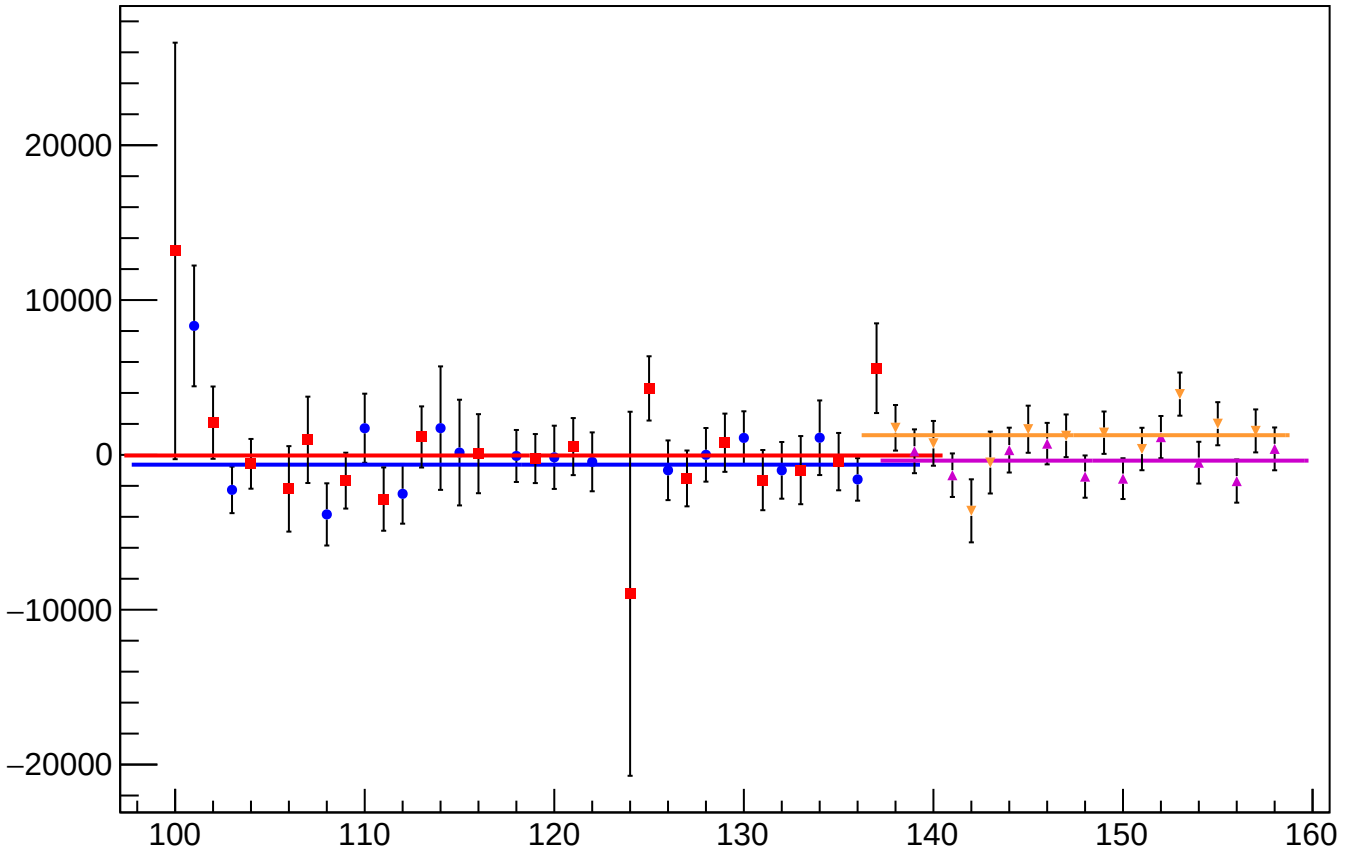
Left: 3434.101+/-0.610 χ^2/NDF: 2854804.2/20

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3687.453+/-0.664 χ^2/NDF:889723.8/25

Out: 2980.382+/-0.561 χ^2/NDF:3582177.9/29

All: 3274.921+/-0.429 χ^2/NDF: 5133216.2/55



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

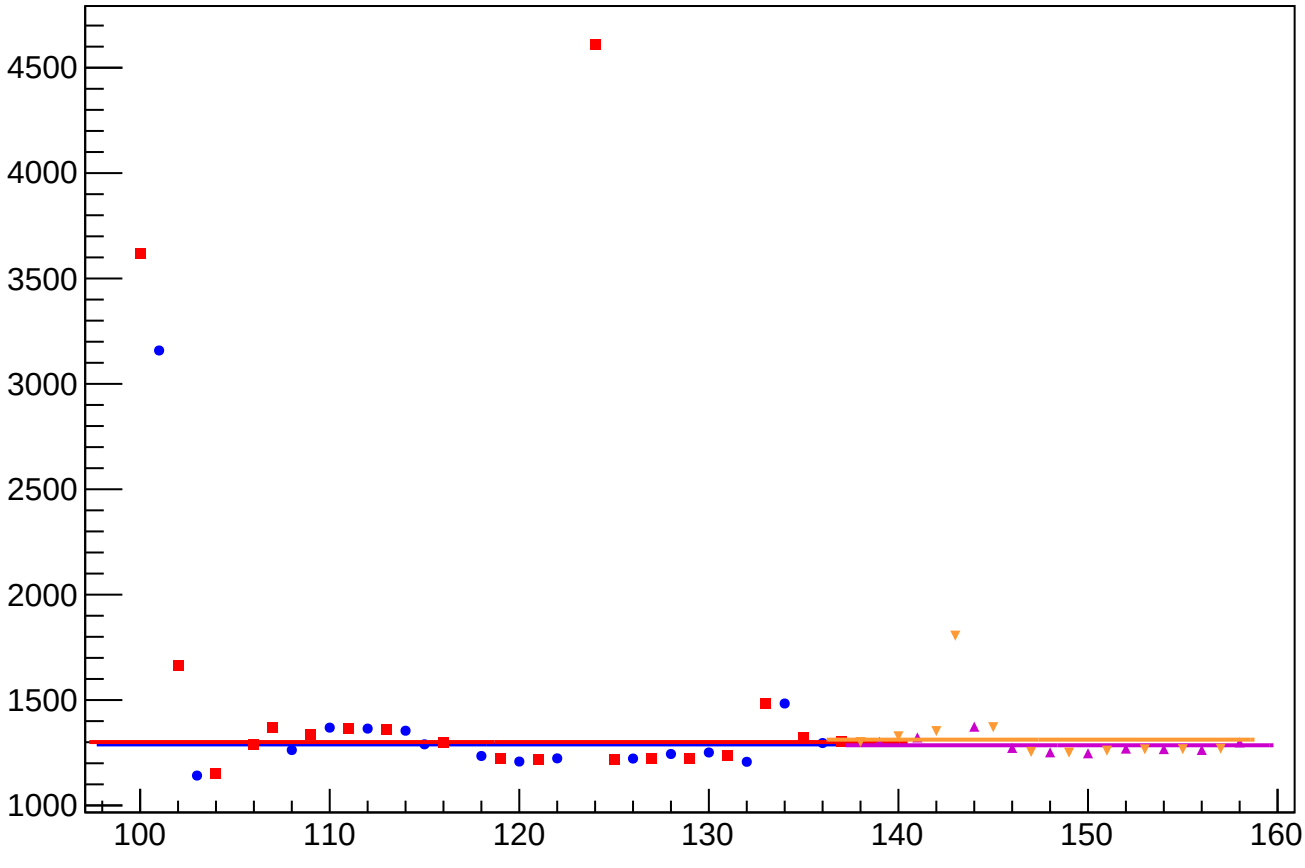
Left: 428.778+/-311.842 χ^2/NDF: 23.5/20

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 674.068+/-329.606 χ^2/NDF:31.5/29

All: 85.858+/-231.442 χ^2/NDF: 57.1/55



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

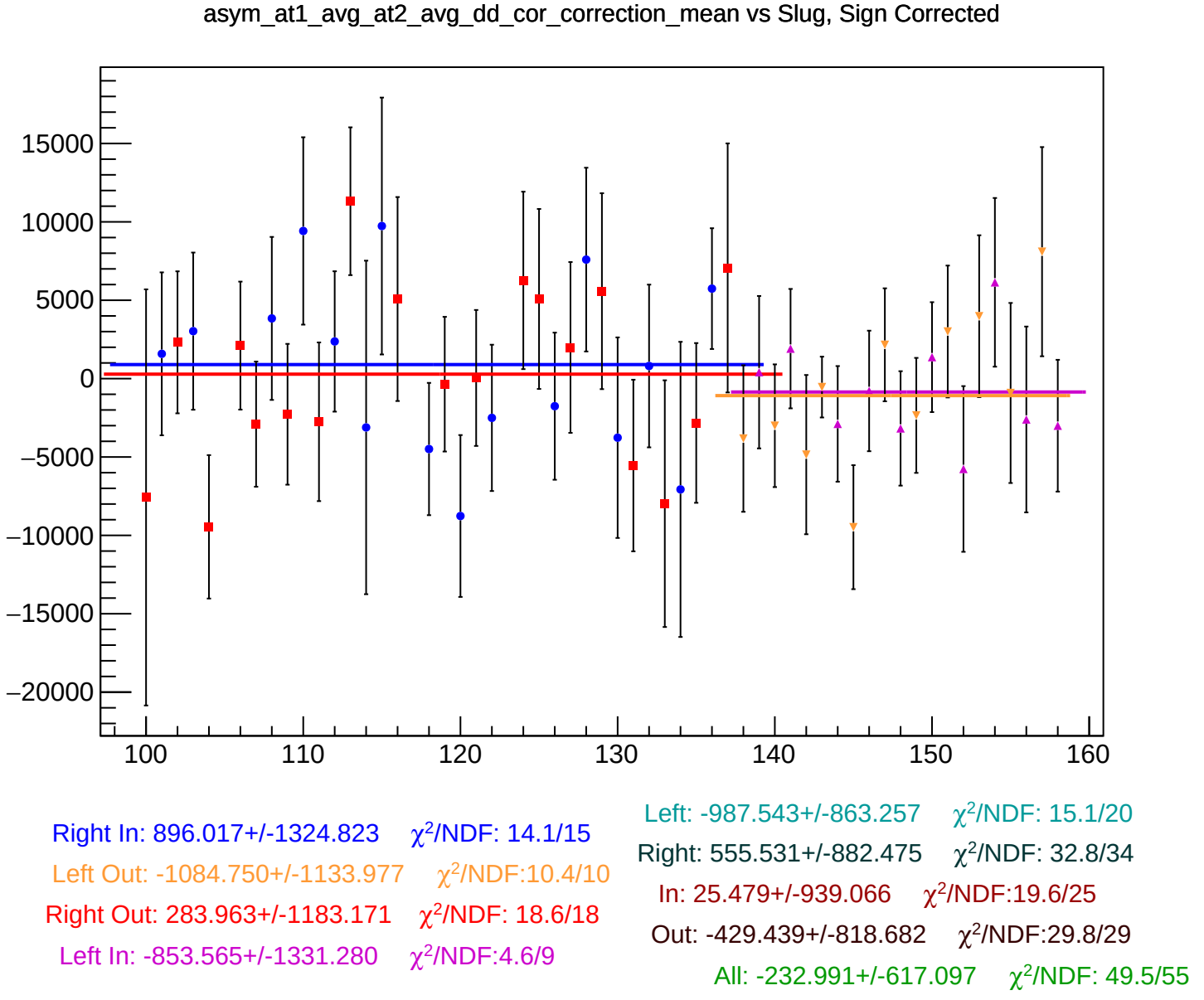
Left: 1298.415+/-0.221 χ^2/NDF: 159888.6/20

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1306.892+/-0.233 χ^2/NDF:469259.5/29

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
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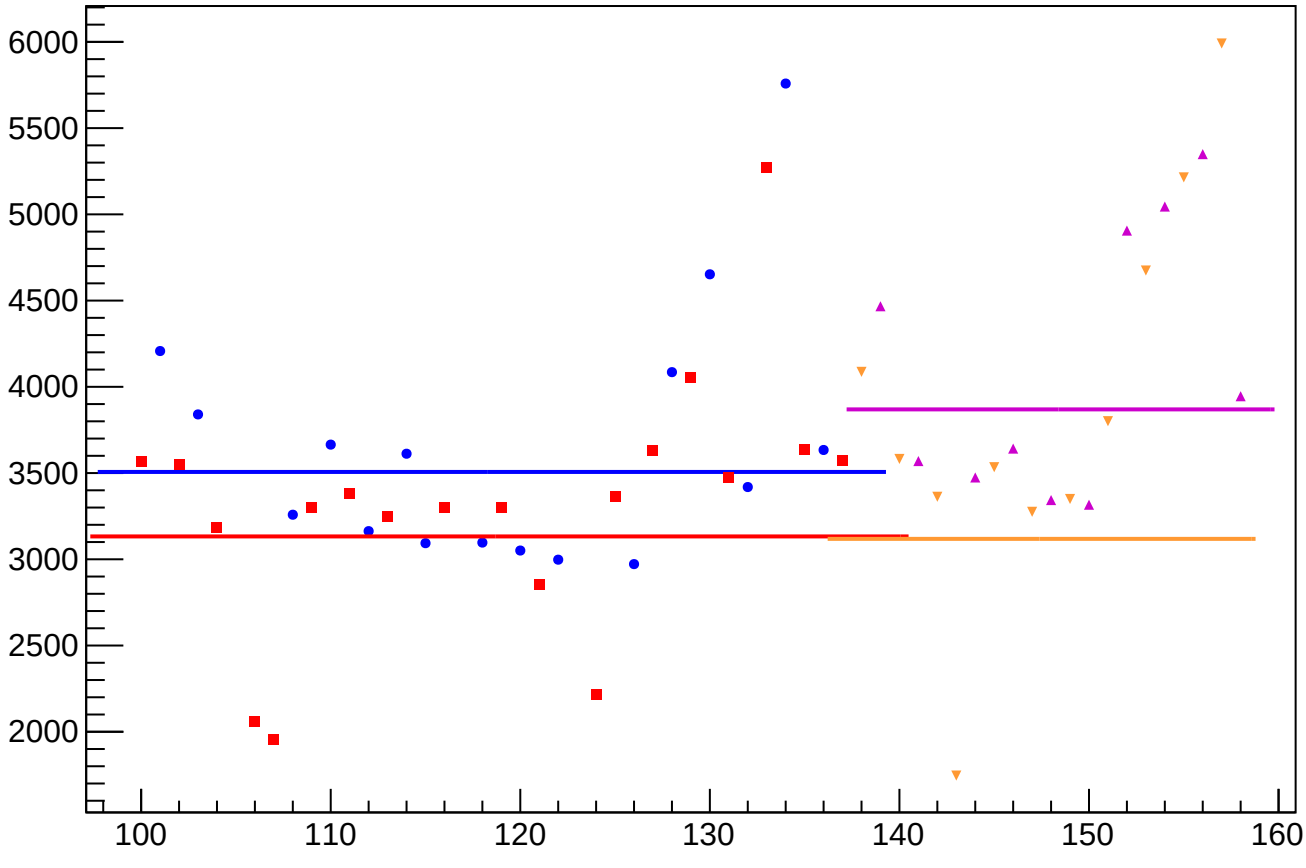
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1084.750+/-1133.977 χ²/NDF:10.4/10
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -853.565+/-1331.280 χ²/NDF:4.6/9
Left: -987.543+/-863.257 χ²/NDF: 15.1/20
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 25.479+/-939.066 χ²/NDF:19.6/25
Out: -429.439+/-818.682 χ²/NDF:29.8/29
All: -232.991+/-617.097 χ²/NDF: 49.5/55



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

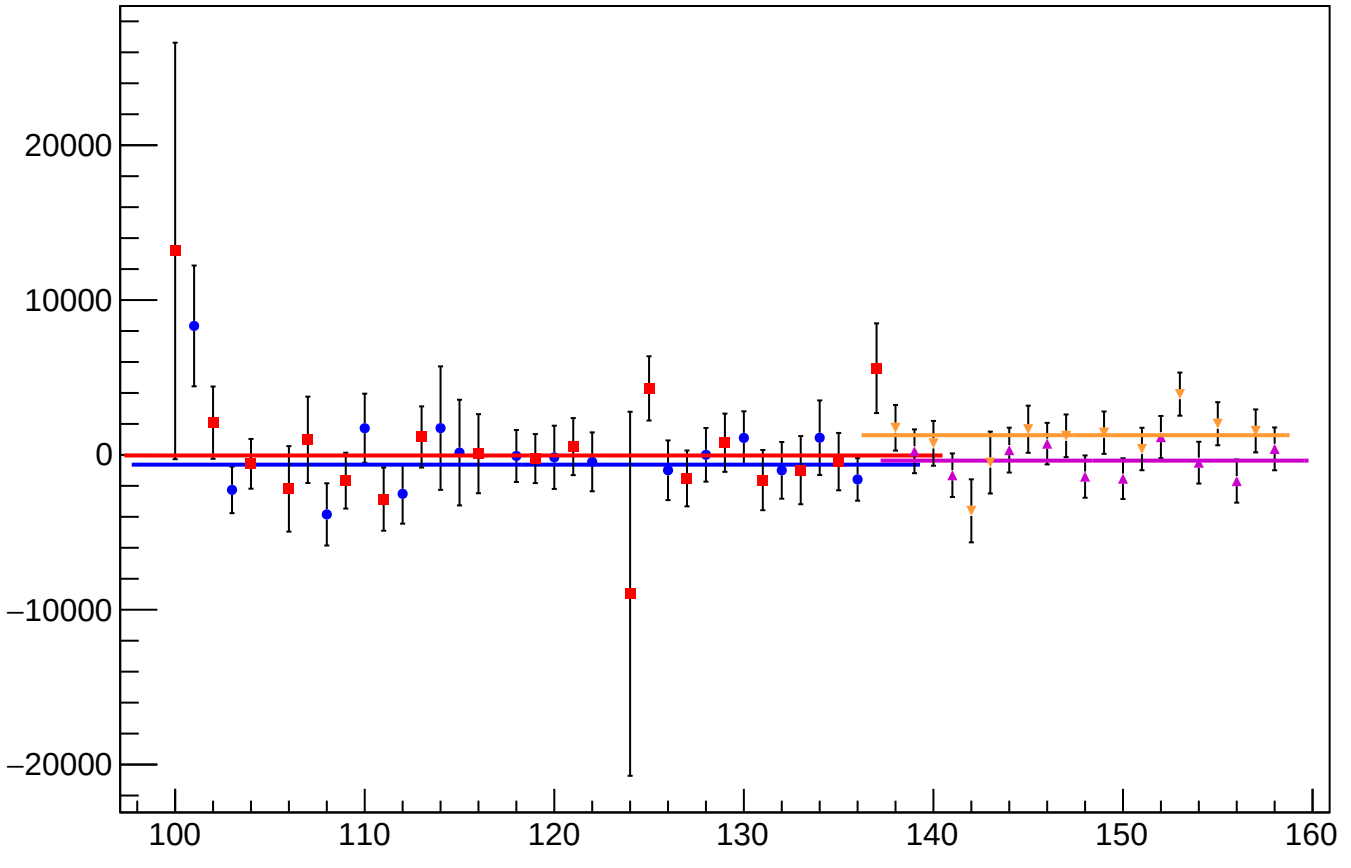
Left: 3434.093+/-0.610 χ^2/NDF: 2854834.2/20

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3125.214+/-0.579 χ^2/NDF:2674472.2/29

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

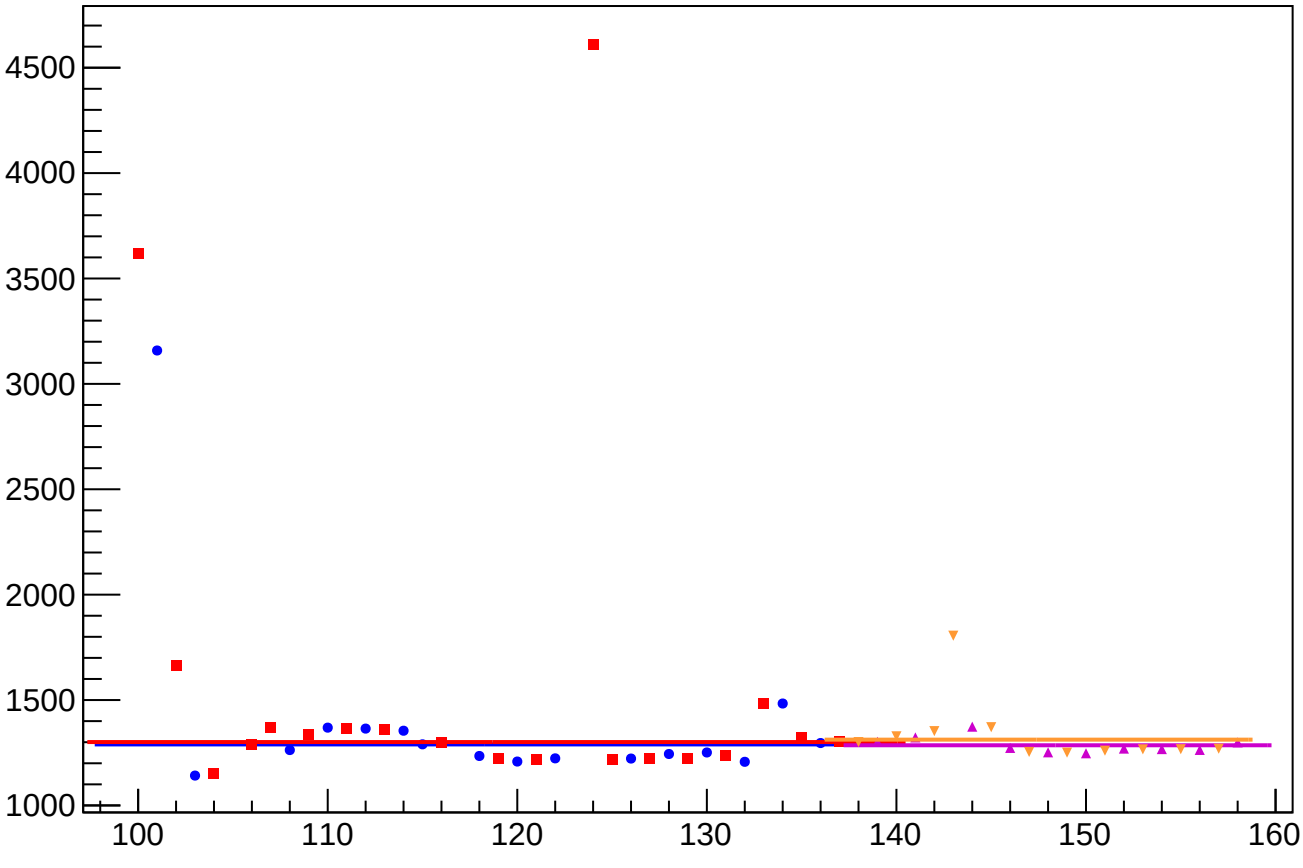
Left: 428.778+/-311.842 χ^2/NDF: 23.5/20

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 674.068+/-329.606 χ^2/NDF:31.5/29

All: 85.858+/-231.442 χ^2/NDF: 57.1/55



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

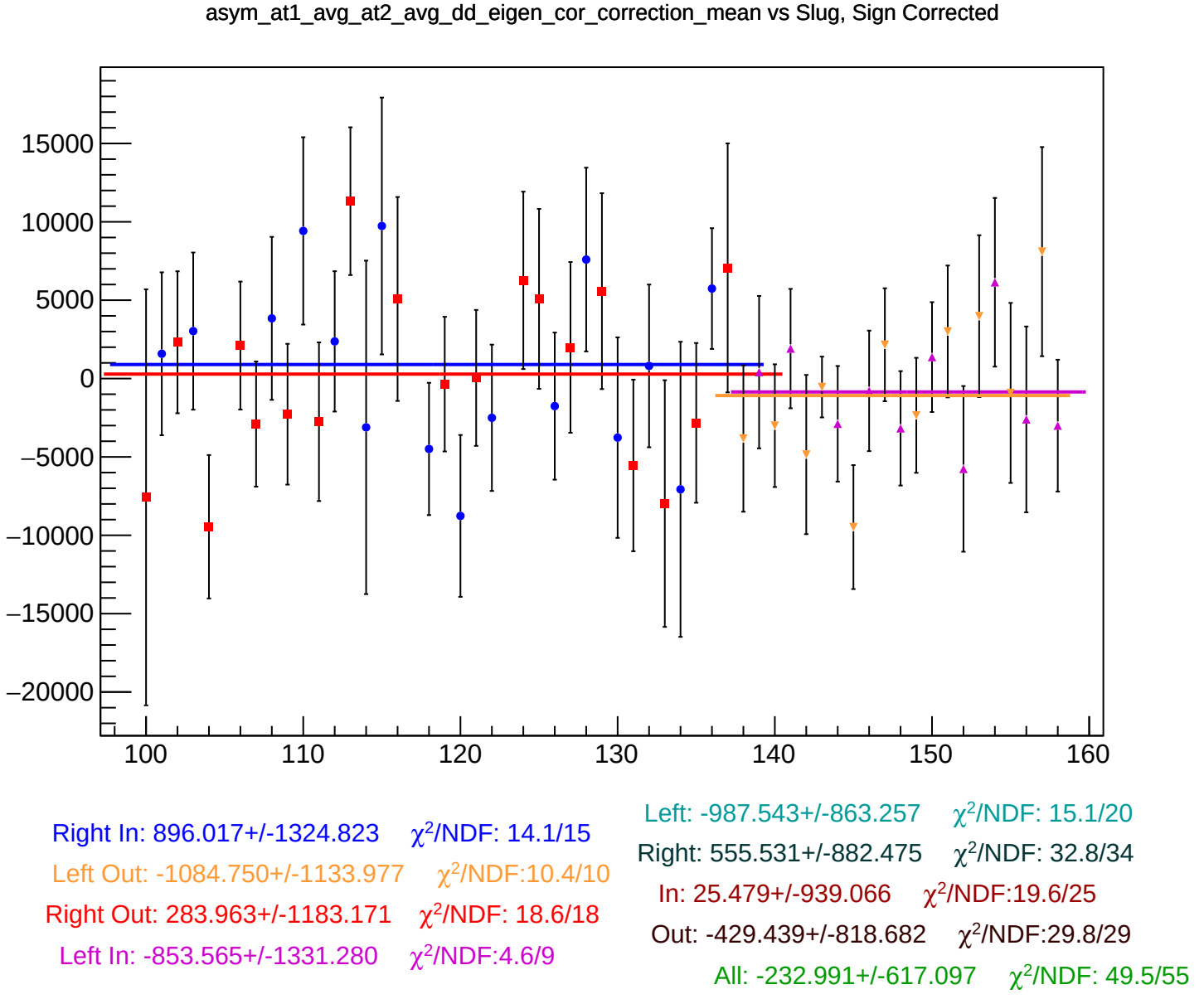
Left: 1298.415+/-0.221 χ^2/NDF: 159888.6/20

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1306.892+/-0.233 χ^2/NDF:469259.5/29

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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−5000
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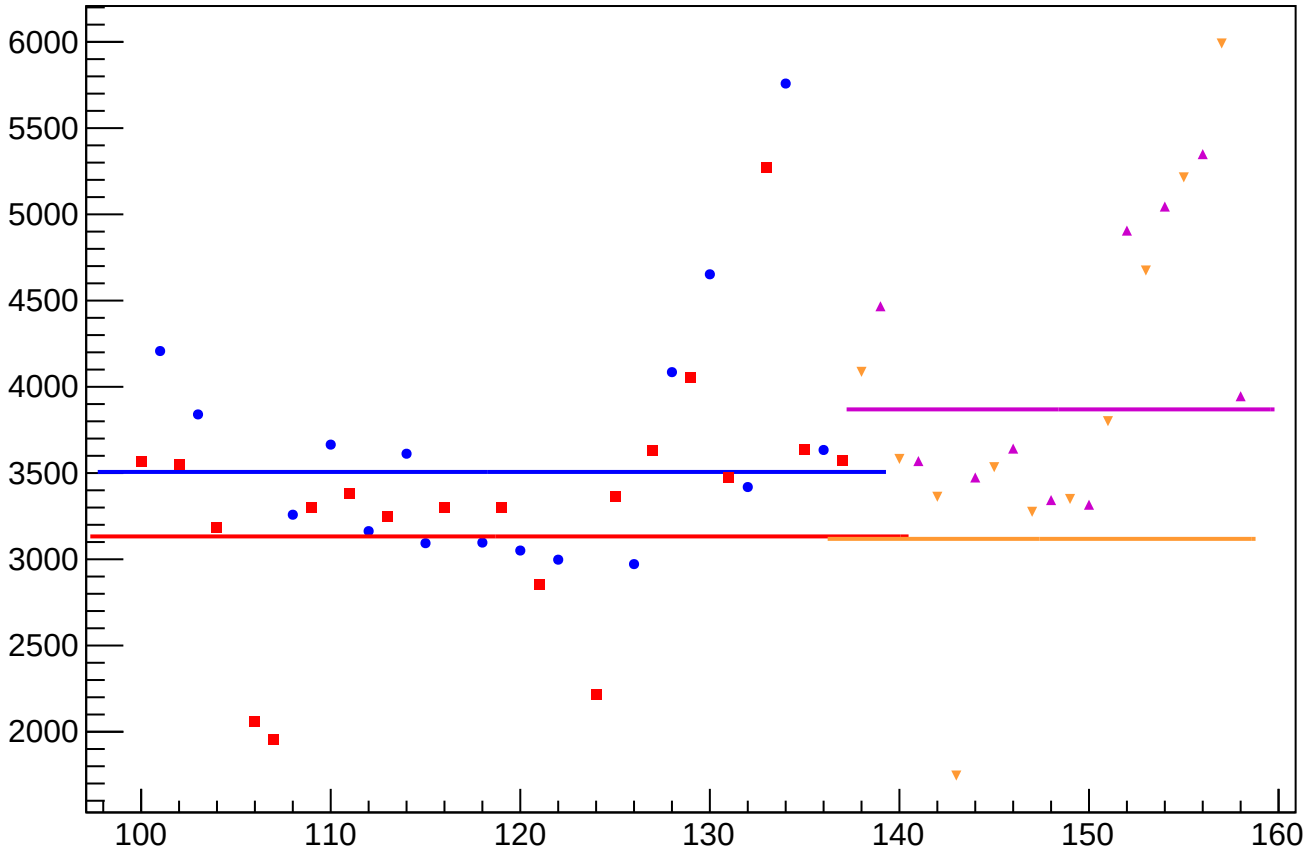
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1084.750+/-1133.977 χ²/NDF:10.4/10
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -853.565+/-1331.280 χ²/NDF:4.6/9
Left: -987.543+/-863.257 χ²/NDF: 15.1/20
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 25.479+/-939.066 χ²/NDF:19.6/25
Out: -429.439+/-818.682 χ²/NDF:29.8/29
All: -232.991+/-617.097 χ²/NDF: 49.5/55



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

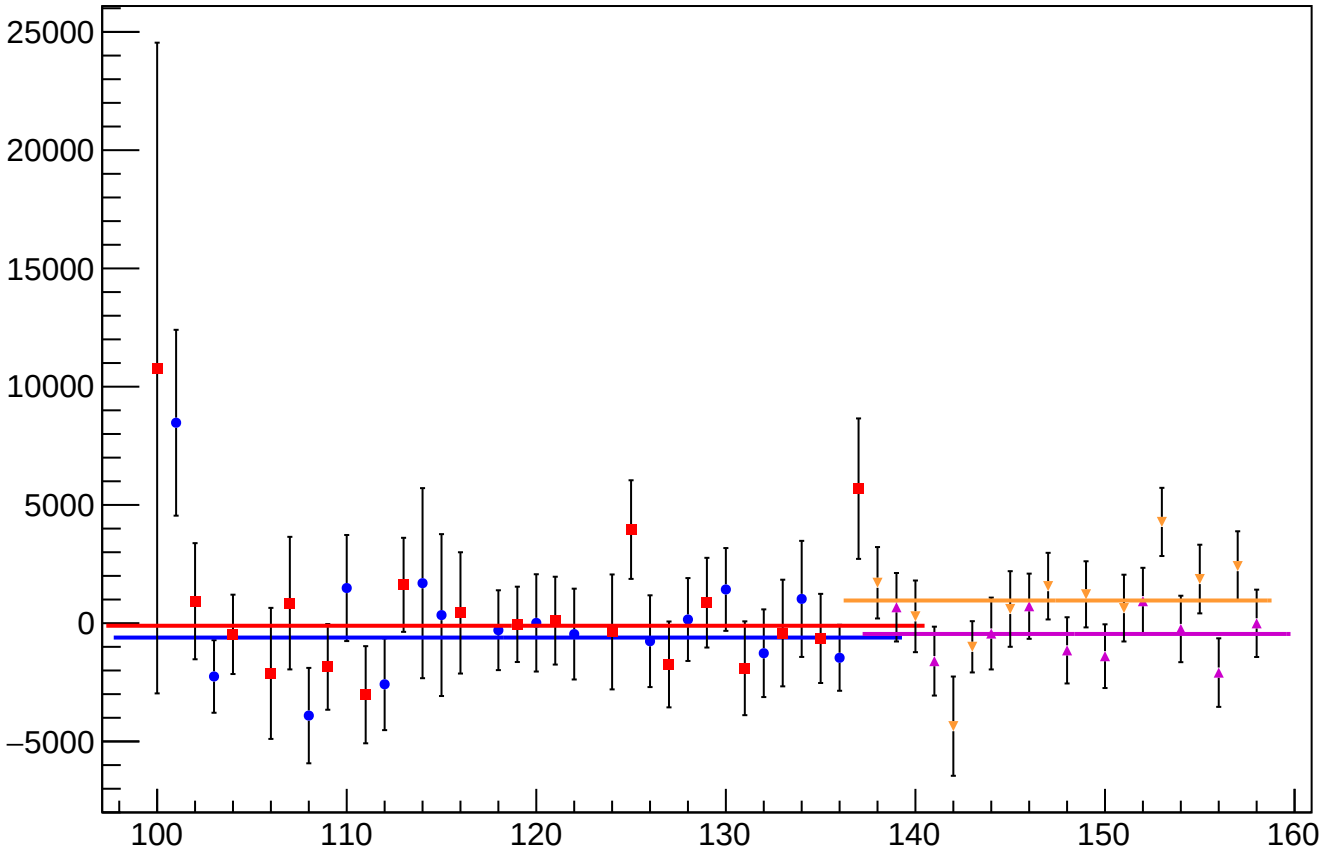
Left: 3434.093+/-0.610 χ^2/NDF: 2854834.2/20

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3125.214+/-0.579 χ^2/NDF:2674472.2/29

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.320+/-435.286 χ^2/NDF:17.1/10

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.548 χ^2/NDF:5.0/9

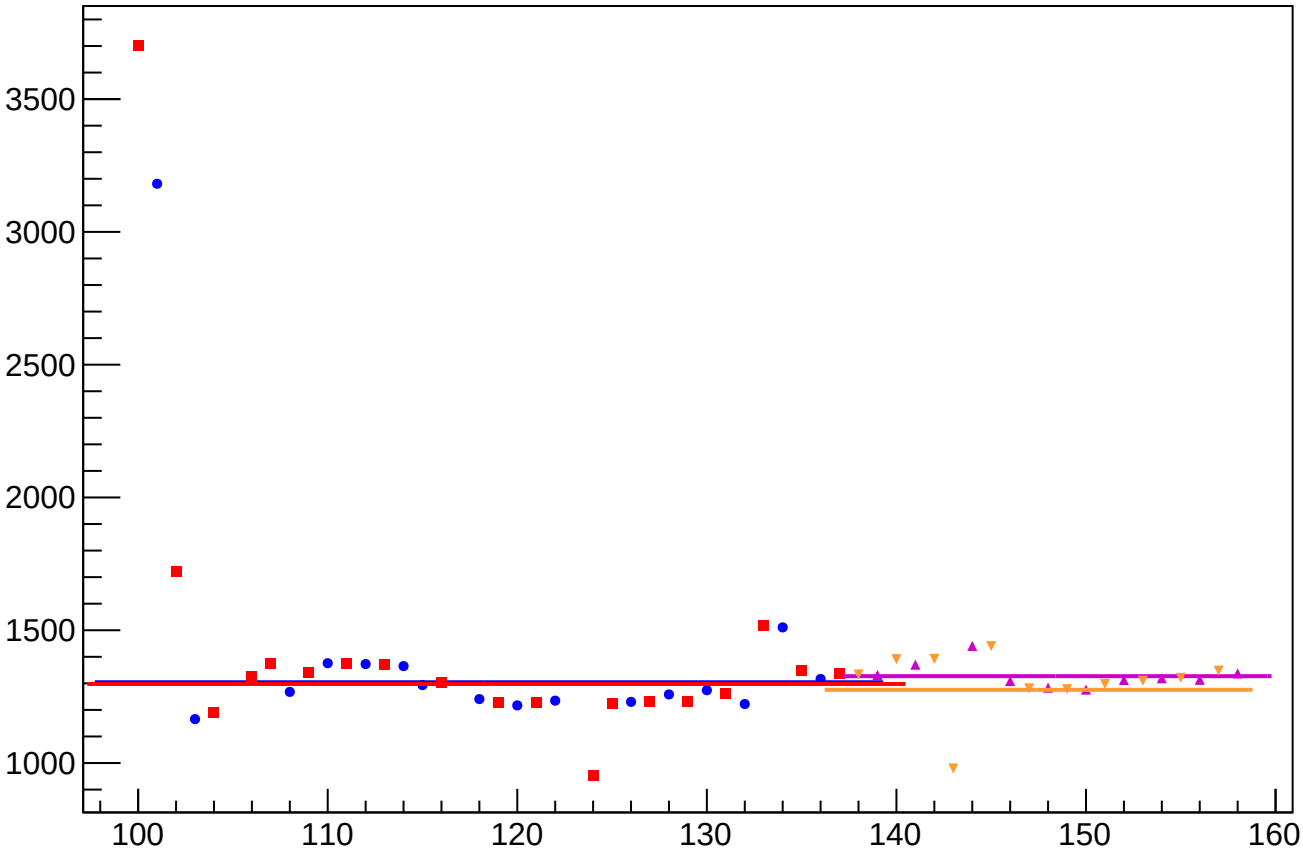
Left: 274.764+/-312.714 χ^2/NDF: 27.3/20

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -524.414+/-332.541 χ^2/NDF:19.2/25

Out: 483.475+/-324.113 χ^2/NDF:34.7/29

All: -7.536+/-232.105 χ^2/NDF: 58.6/55



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1275.710+/-0.308 χ^2/NDF:199772.2/10

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

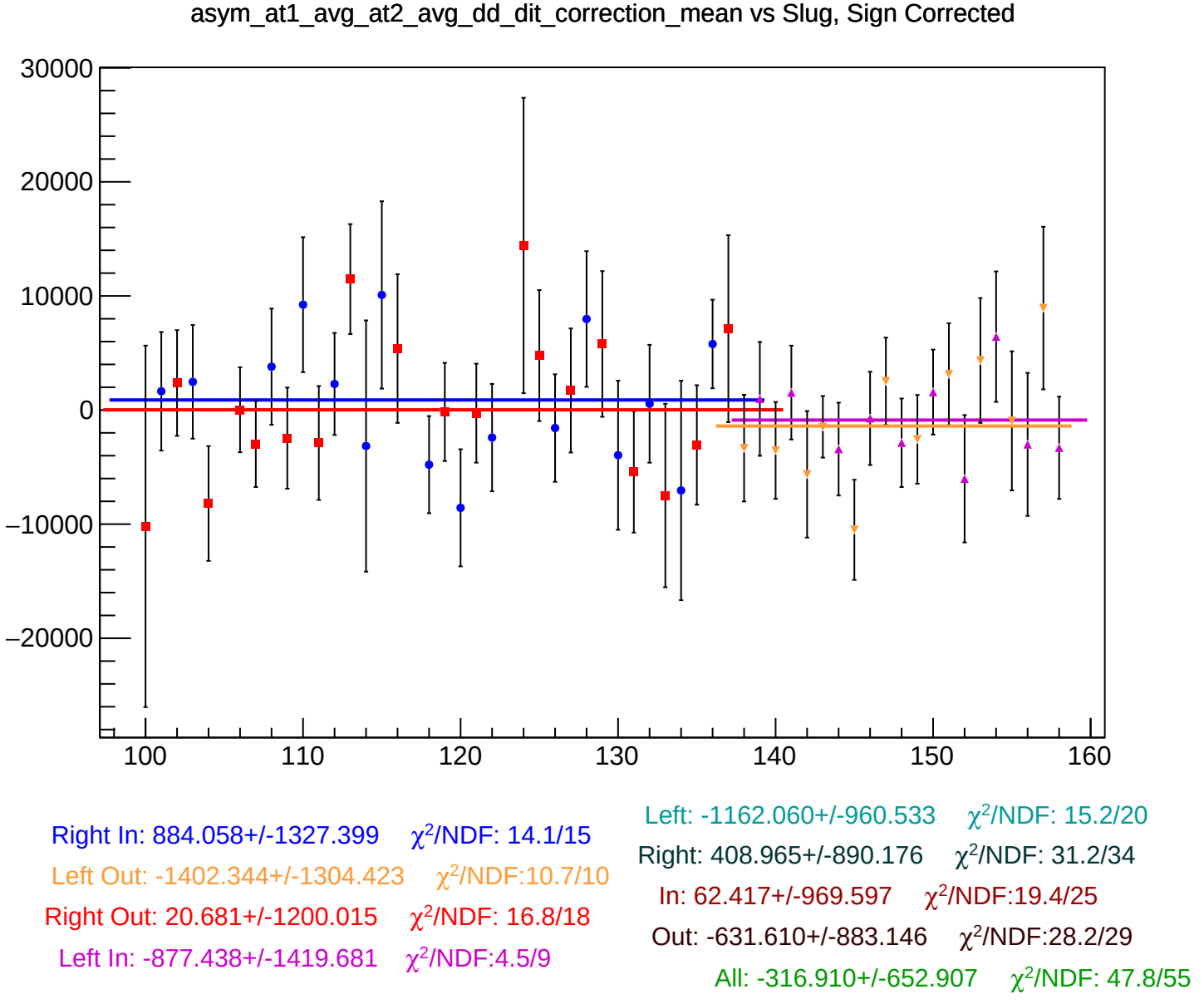
Left: 1300.558+/-0.221 χ^2/NDF: 231907.5/20

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1316.665+/-0.235 χ^2/NDF:531618.5/25

Out: 1285.559+/-0.229 χ^2/NDF:415165.2/29

All: 1300.708+/-0.164 χ^2/NDF: 955760.7/55


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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−20000
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120
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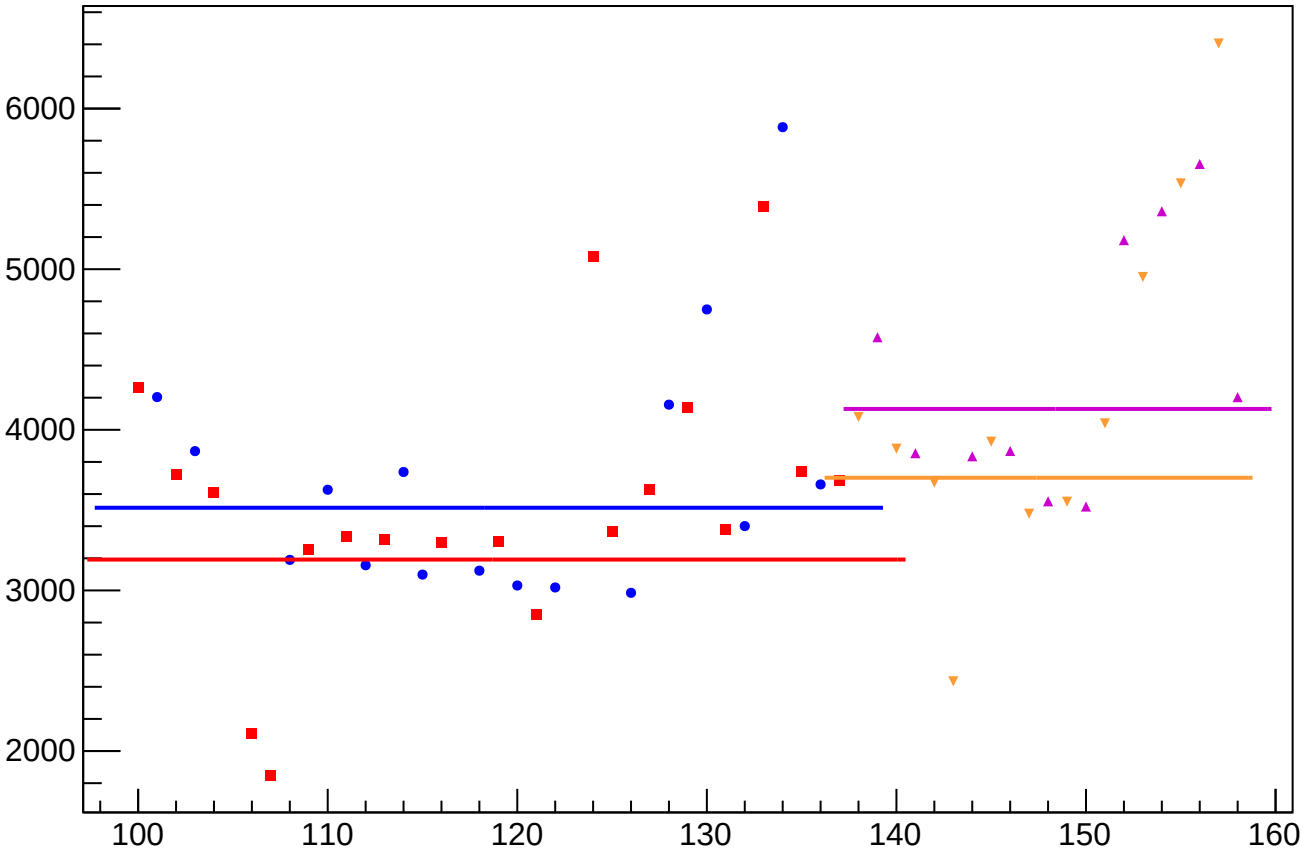
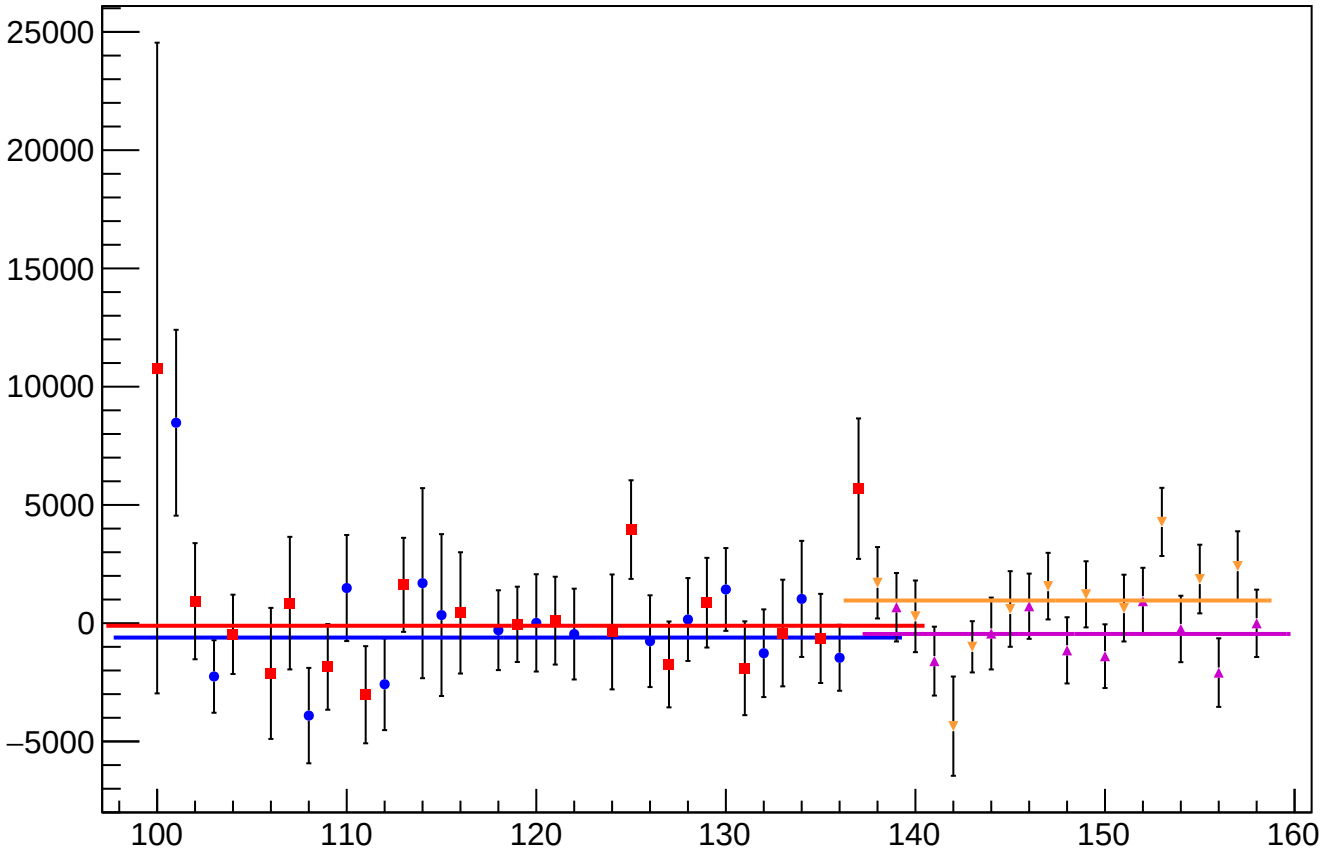
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -1402.344+/-1304.423 χ²/NDF:10.7/10
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -877.438+/-1419.681 χ²/NDF:4.5/9
Left: -1162.060+/-960.533 χ²/NDF: 15.2/20
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 62.417+/-969.597 χ²/NDF:19.4/25
Out: -631.610+/-883.146 χ²/NDF:28.2/29
All: -316.910+/-652.907 χ²/NDF: 47.8/55


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3701.556+/-0.922 χ²/NDF:1058092.4/10
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4130.051+/-1.004 χ²/NDF:423451.5/9
Left: 3897.706+/-0.679 χ²/NDF: 1580337.4/20
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3801.752+/-0.686 χ²/NDF:998981.7/25
Out: 3425.682+/-0.624 χ²/NDF:1995754.6/29
All: 3596.207+/-0.462 χ²/NDF: 3159181.9/55



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.321+/-435.287 χ^2/NDF:17.1/10

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.549 χ^2/NDF:5.0/9

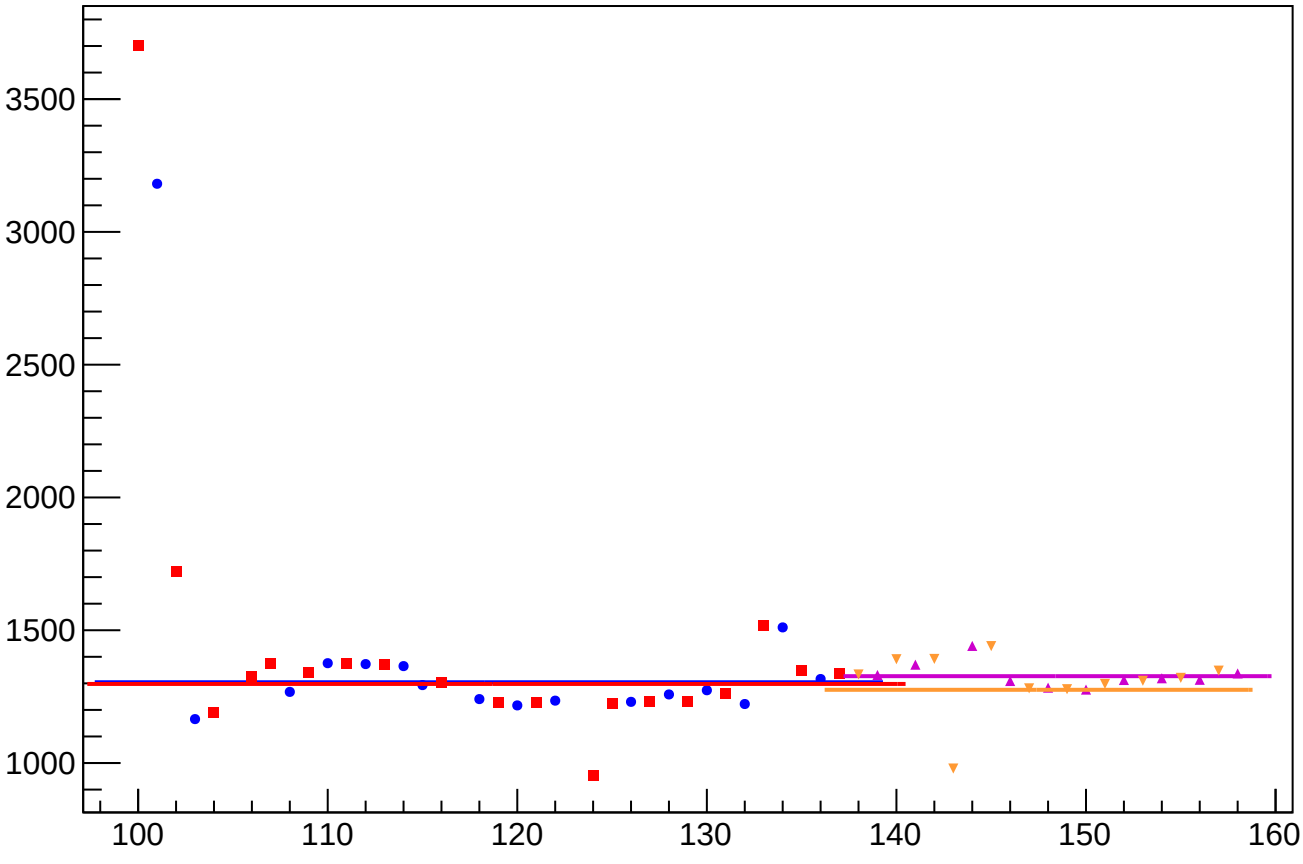
Left: 274.764+/-312.715 χ^2/NDF: 27.3/20

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -524.416+/-332.541 χ^2/NDF:19.2/25

Out: 483.473+/-324.113 χ^2/NDF:34.7/29

All: -7.538+/-232.105 χ^2/NDF: 58.6/55



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1275.711+/-0.308 χ^2/NDF:199772.7/10

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

Left: 1300.559+/-0.221 χ^2/NDF: 231908.1/20

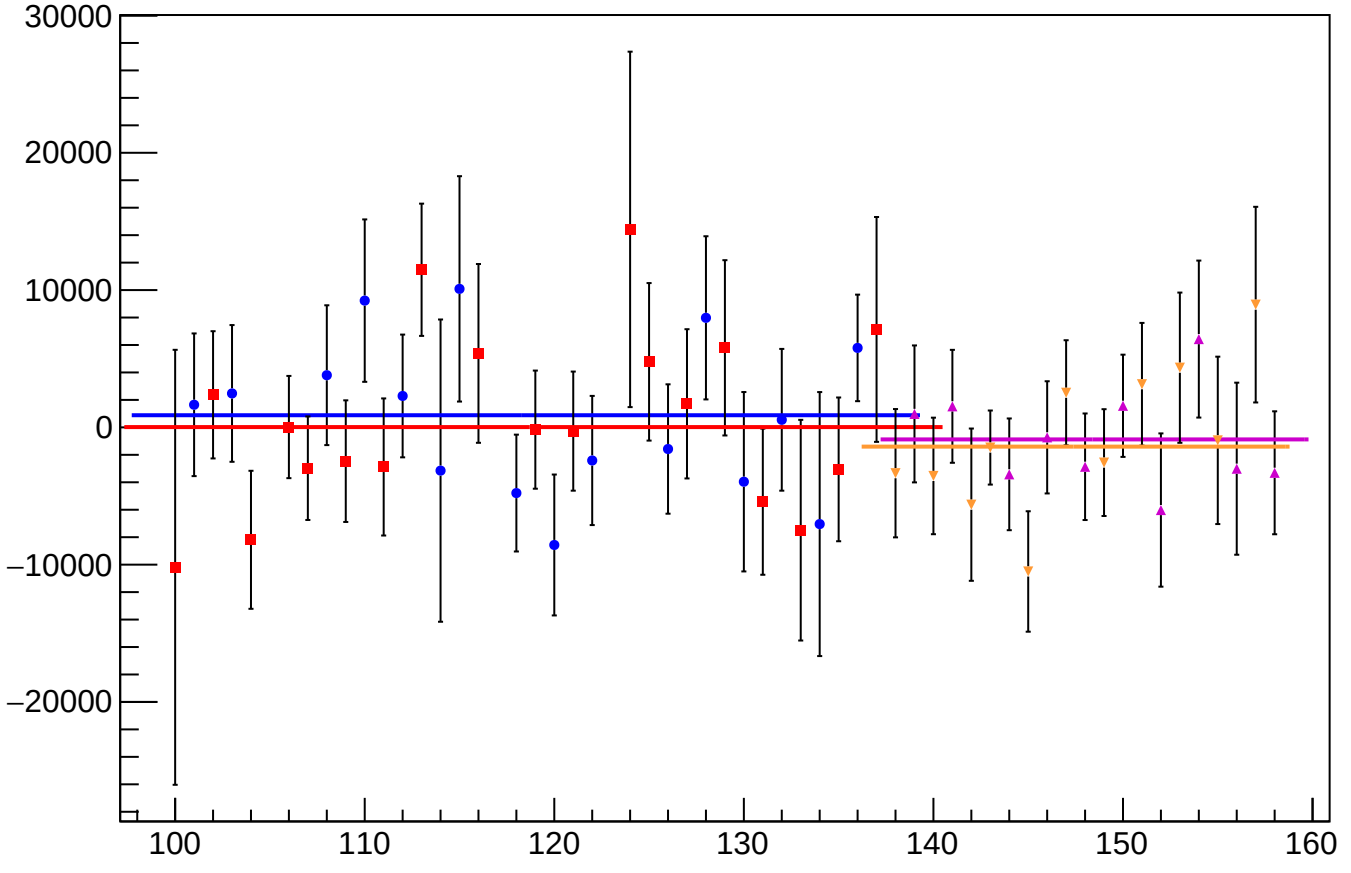
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.665+/-0.235 χ^2/NDF:531618.9/25

Out: 1285.560+/-0.229 χ^2/NDF:415165.6/29

All: 1300.708+/-0.164 χ^2/NDF: 955761.5/55

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: -1402.341+/-1304.425 χ^2/NDF:10.7/10

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -877.438+/-1419.683 χ^2/NDF:4.5/9

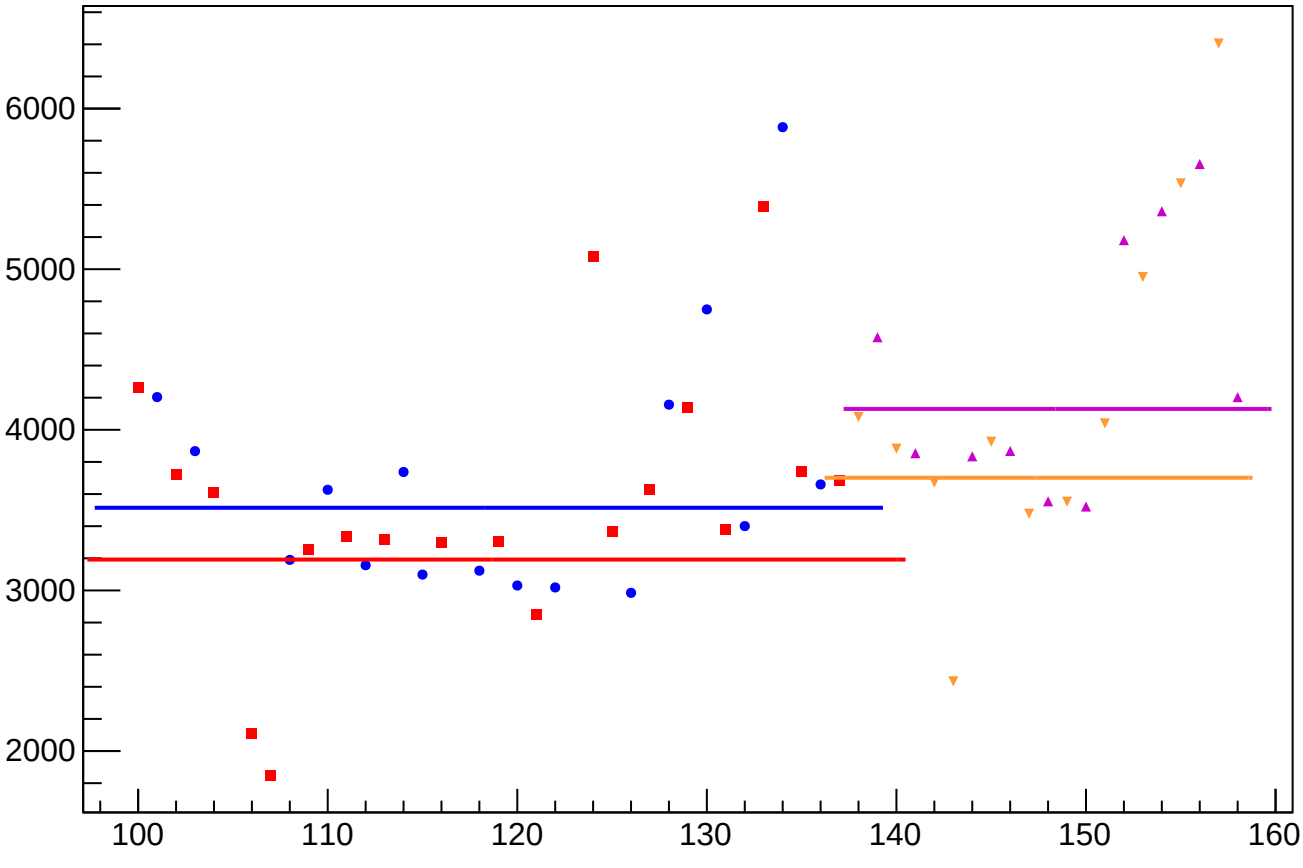
Left: -1162.059+/-960.534 χ^2/NDF: 15.2/20

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 62.415+/-969.596 χ^2/NDF:19.4/25

Out: -631.608+/-883.146 χ^2/NDF:28.2/29

All: -316.910+/-652.907 χ^2/NDF: 47.8/55



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3701.561+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

Left: 3897.711+/-0.679 χ^2/NDF: 1580337.8/20

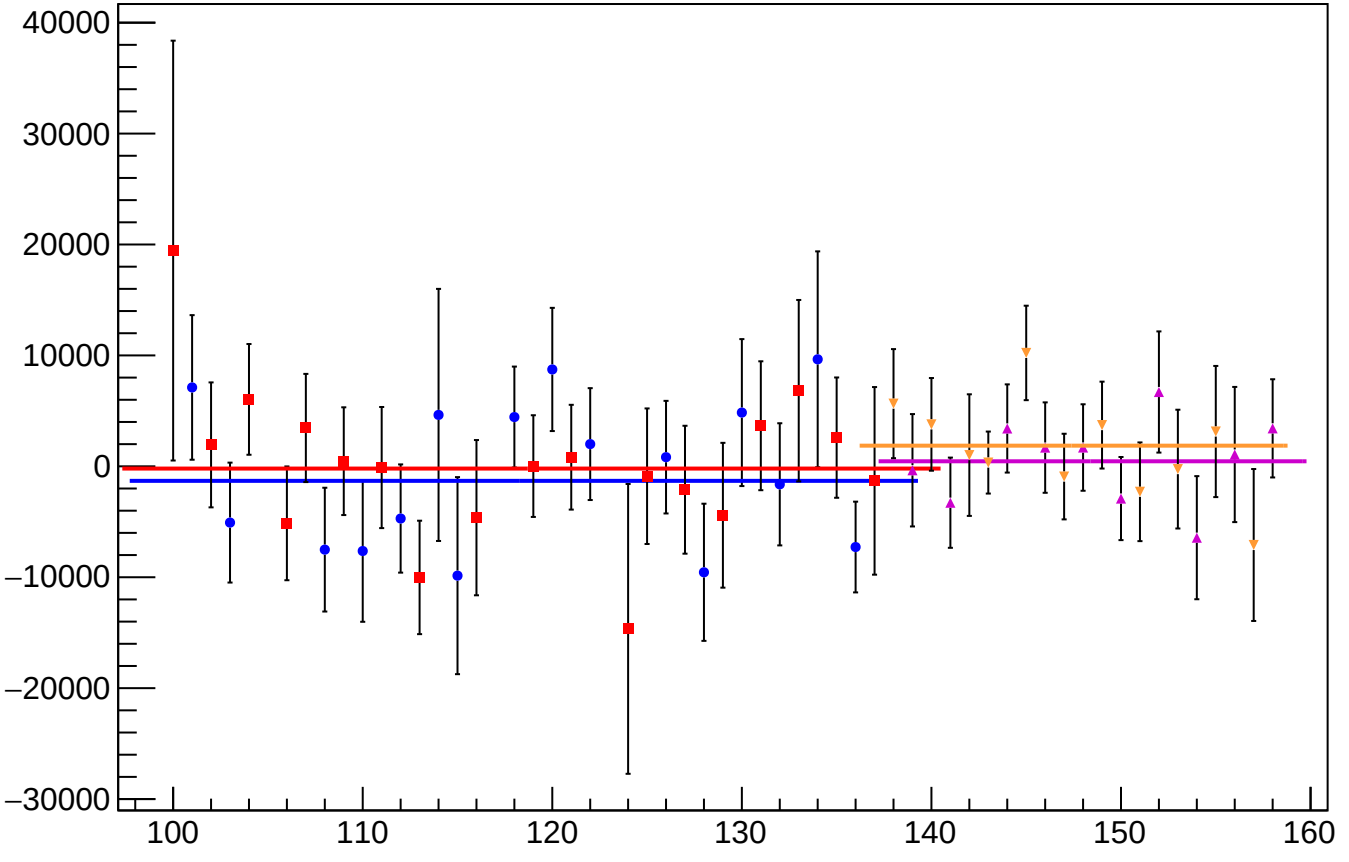
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3801.748+/-0.686 χ^2/NDF:998996.0/25

Out: 3425.679+/-0.624 χ^2/NDF:1995765.3/29

All: 3596.204+/-0.462 χ^2/NDF: 3159206.6/55

asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1863.162+/-1310.041 χ^2/NDF:8.5/10

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 454.679+/-1408.822 χ^2/NDF:5.7/9

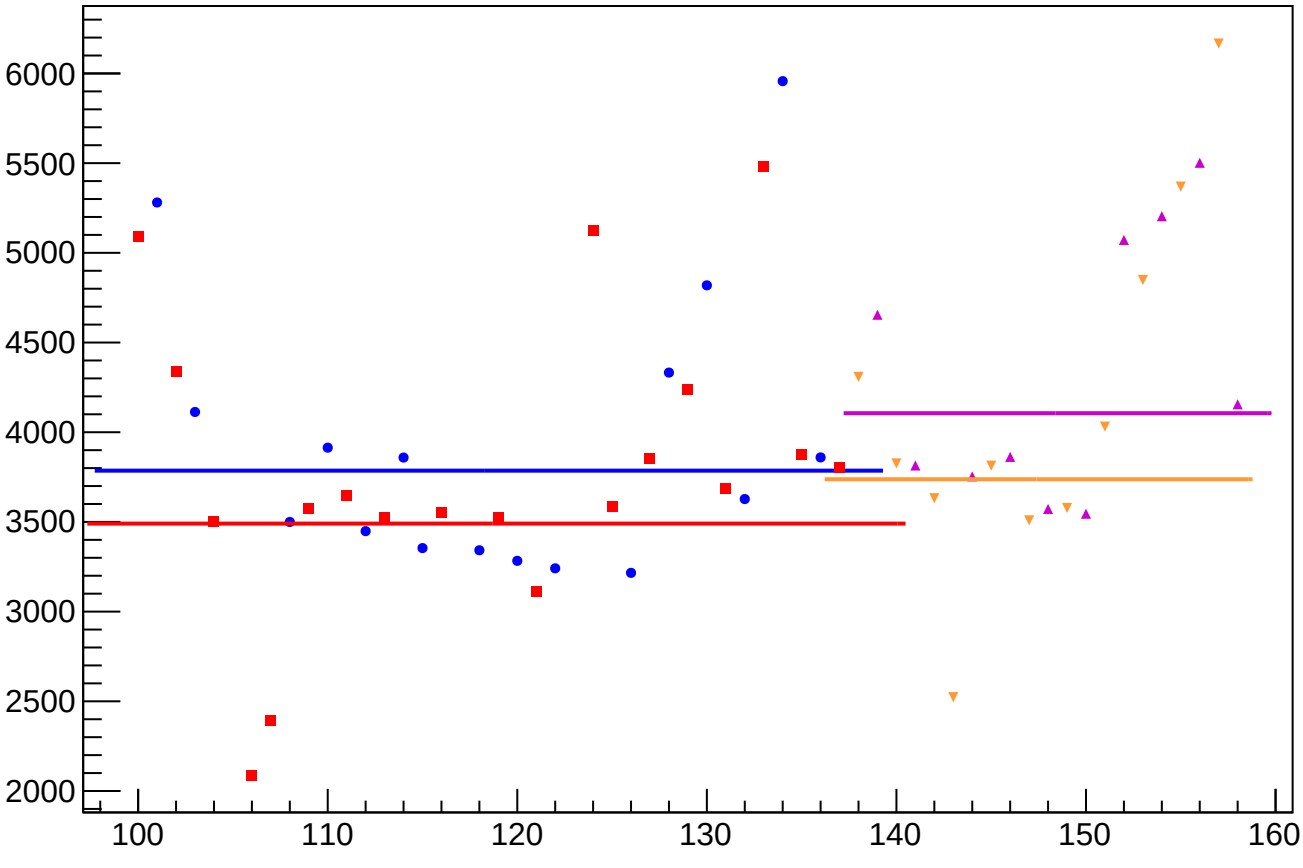
Left: 1210.026+/-959.362 χ^2/NDF: 14.8/20

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -413.176+/-1004.152 χ^2/NDF:24.1/25

Out: 851.087+/-935.403 χ^2/NDF:21.4/29

All: 263.712+/-684.445 χ^2/NDF: 46.3/55



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3737.868+/-0.926 χ^2/NDF:915896.8/10

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4105.999+/-0.996 χ^2/NDF:384869.6/9

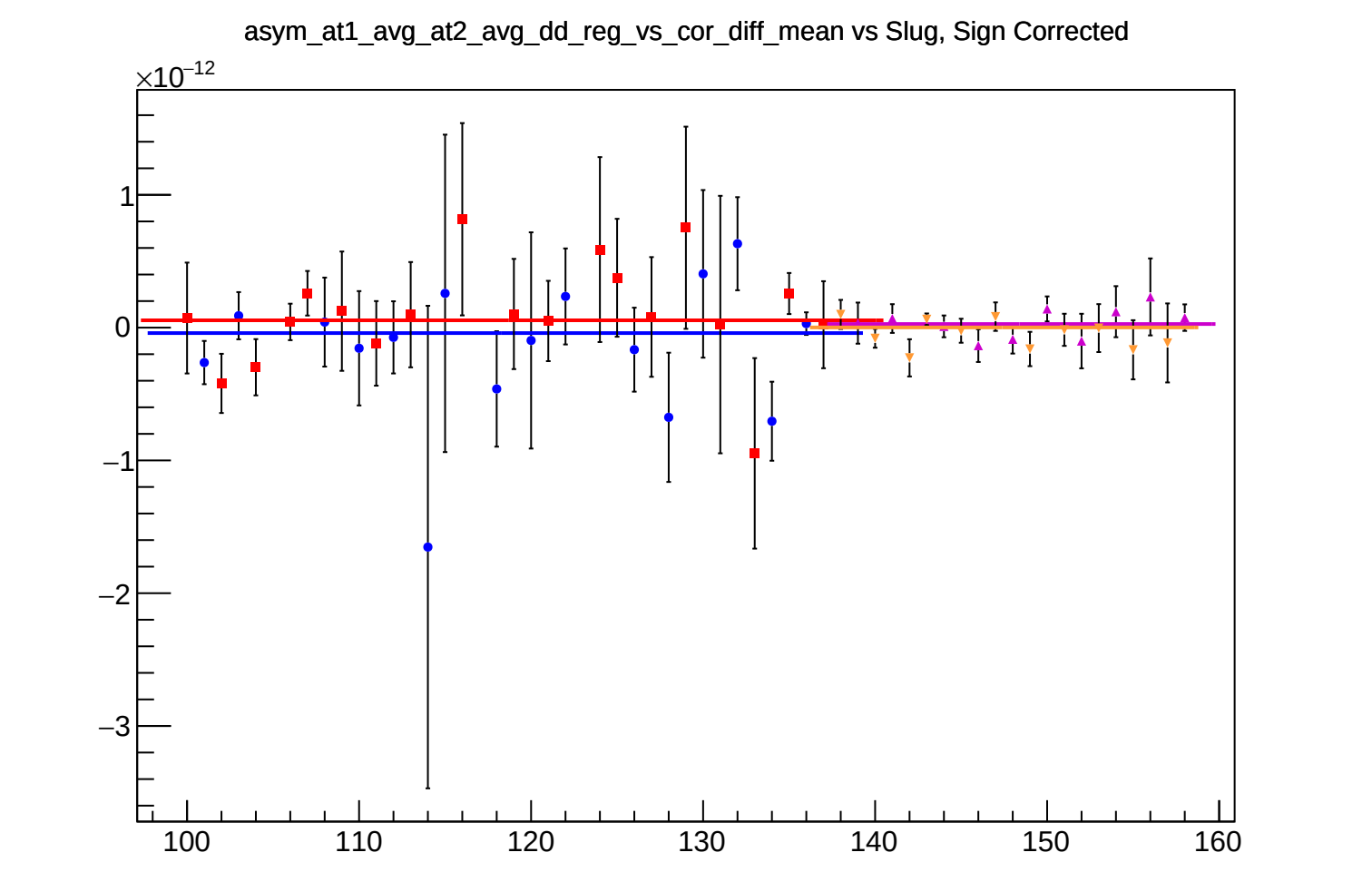
Left: 3908.576+/-0.678 χ^2/NDF: 1374001.0/20

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3948.455+/-0.710 χ^2/NDF:818698.8/25

Out: 3614.975+/-0.657 χ^2/NDF:1538022.3/29

All: 3768.787+/-0.482 χ^2/NDF: 2475564.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

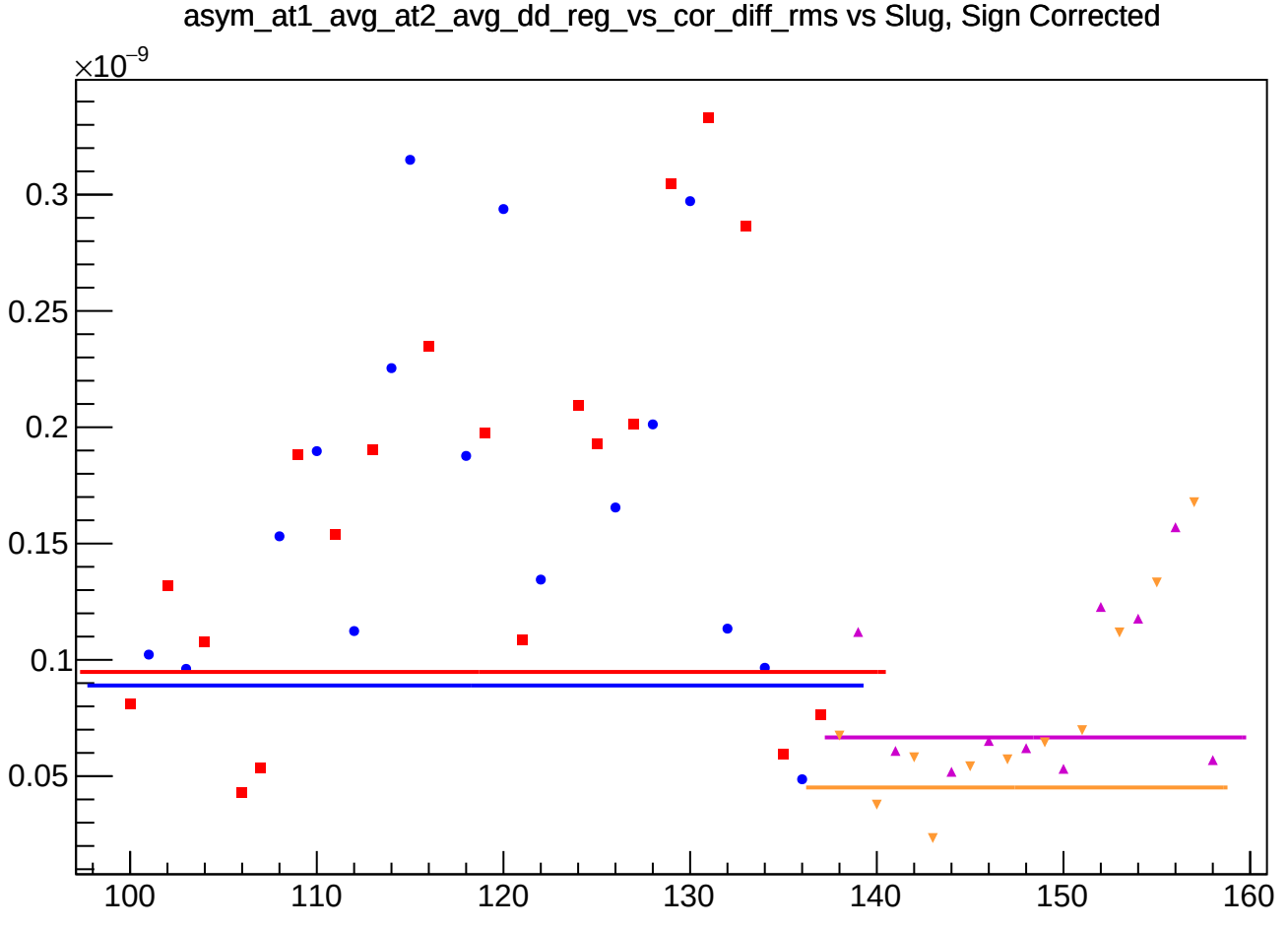
Left: 0.000+/-0.000 χ^2/NDF: 15.9/20

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:23.5/25

Out: 0.000+/-0.000 χ^2/NDF:26.2/29

All: 0.000+/-0.000 χ^2/NDF: 49.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710752.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

Left: 0.000+/-0.000 χ^2/NDF: 2918867.1/20

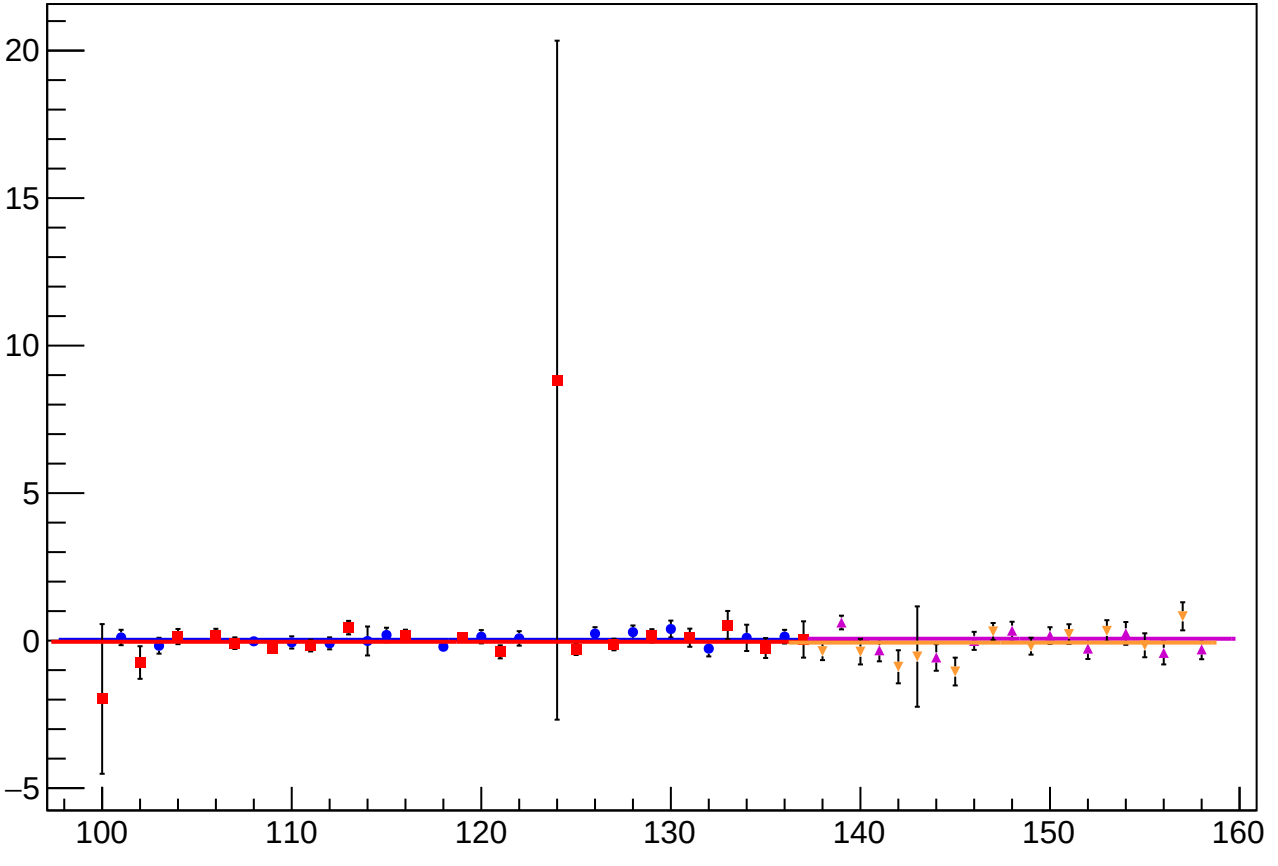
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2455064.9/25

Out: 0.000+/-0.000 χ^2/NDF:4454175.5/29

All: 0.000+/-0.000 χ^2/NDF: 7380104.0/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

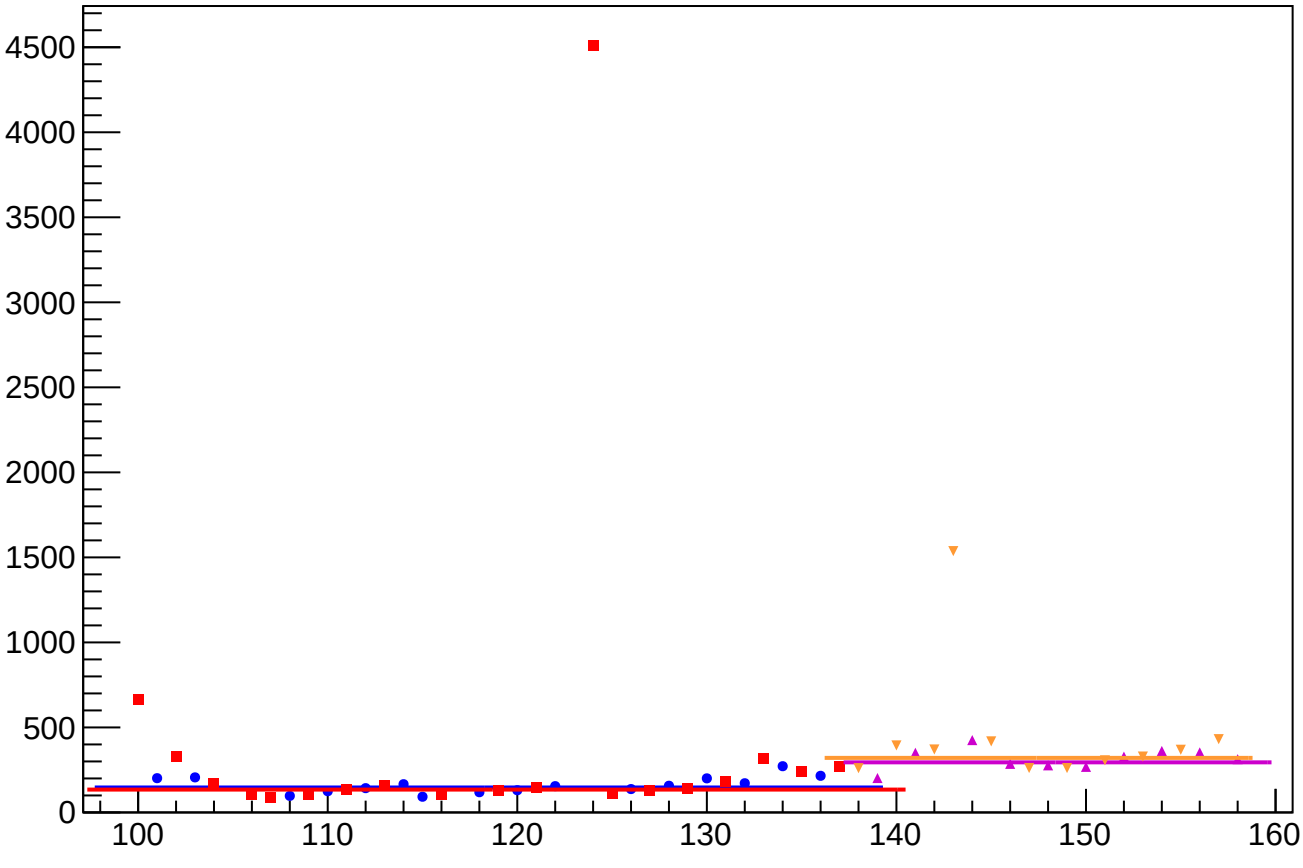
Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

Left: 306.328+/-0.054 χ^2/NDF: 2312574.3/20

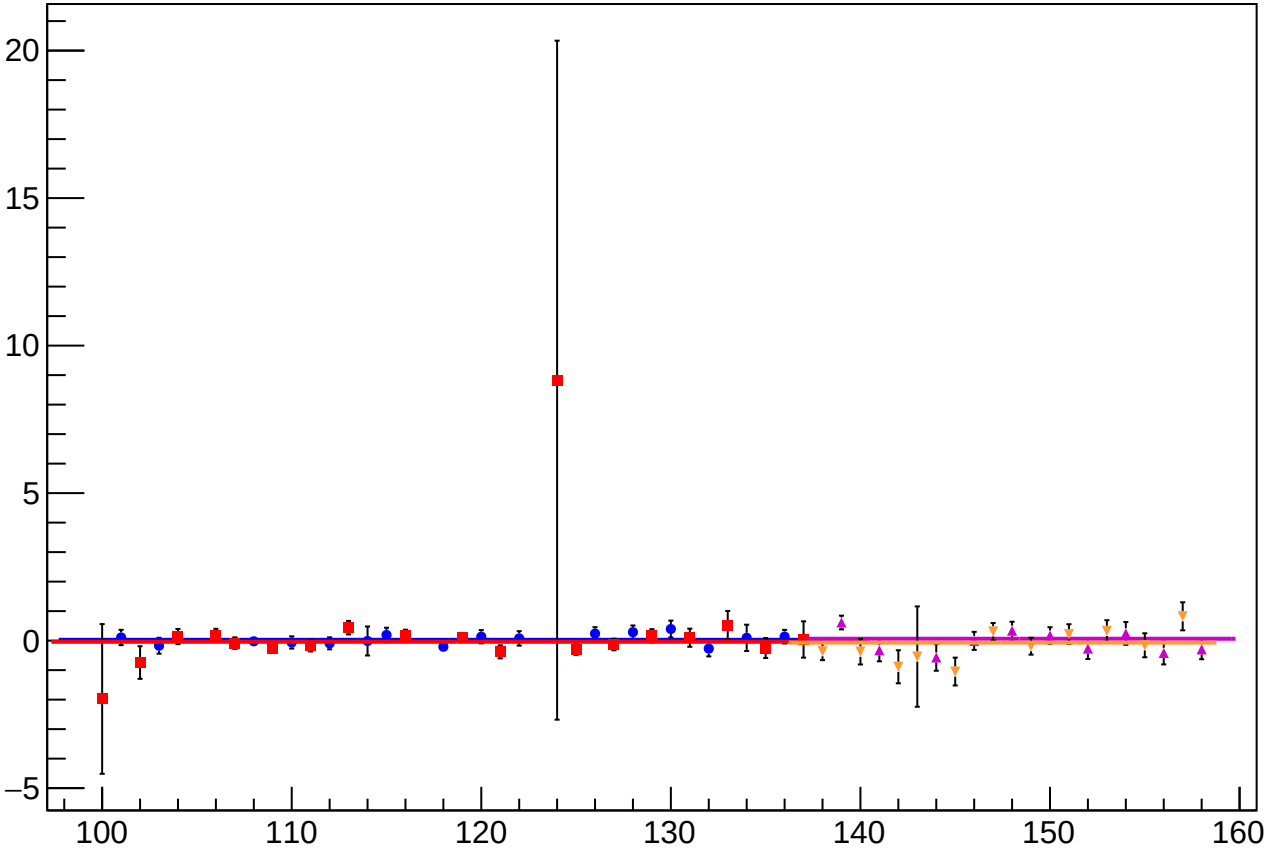
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 168.949+/-0.035 χ^2/NDF:7457947.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

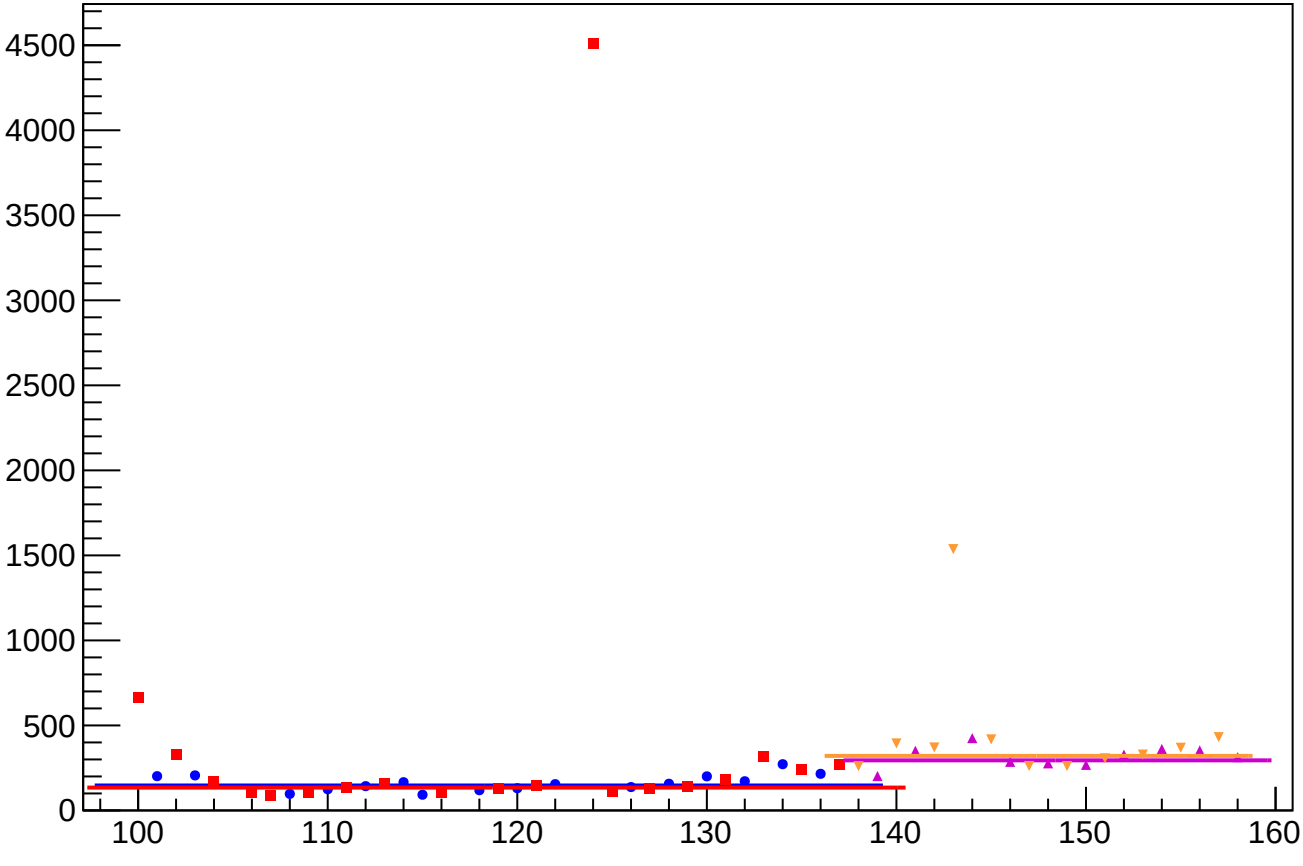
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

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: 320.937+/-0.081 χ^2/NDF:1571537.4/10

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

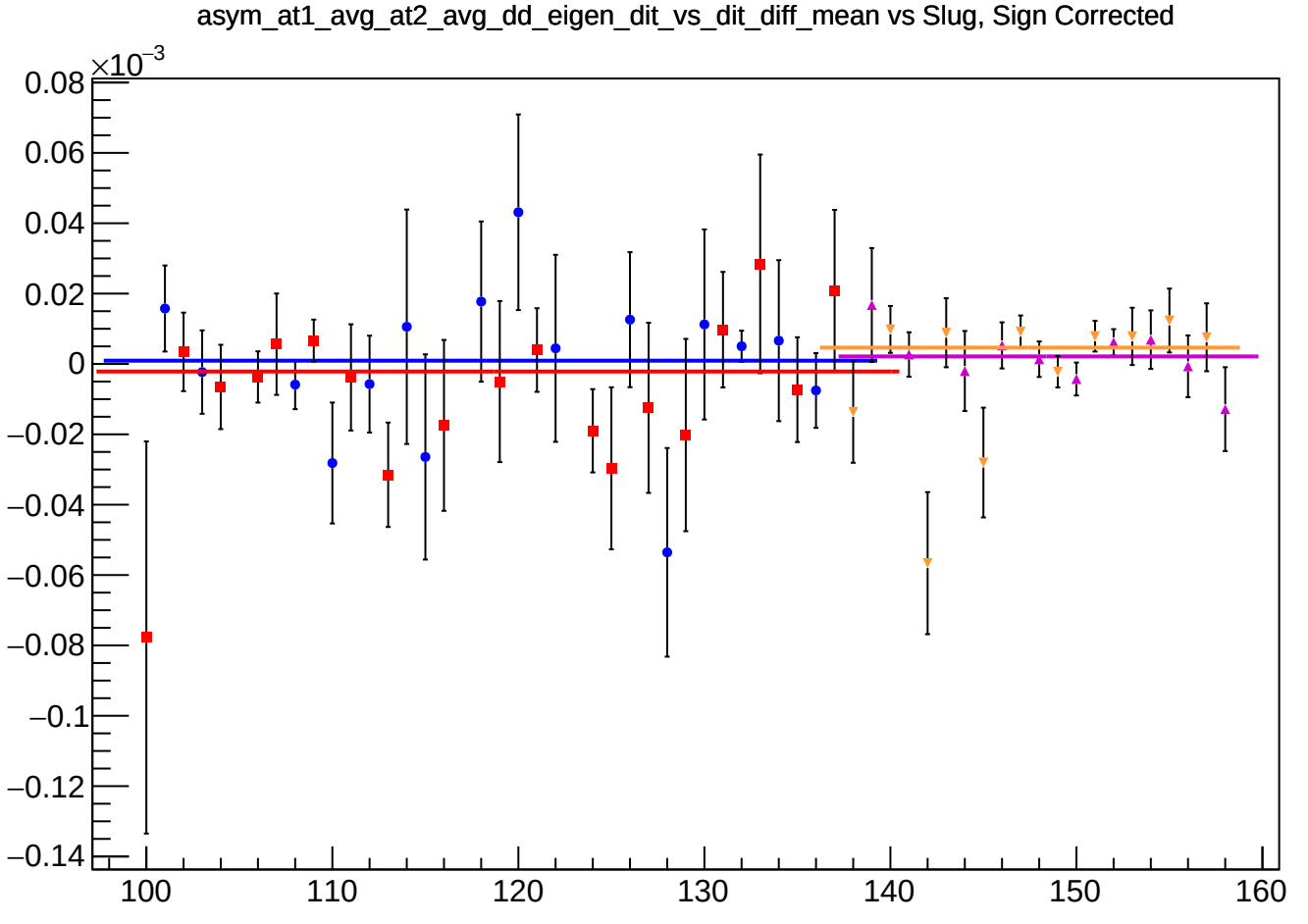
Left: 306.328+/-0.054 χ^2/NDF: 2312574.3/20

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

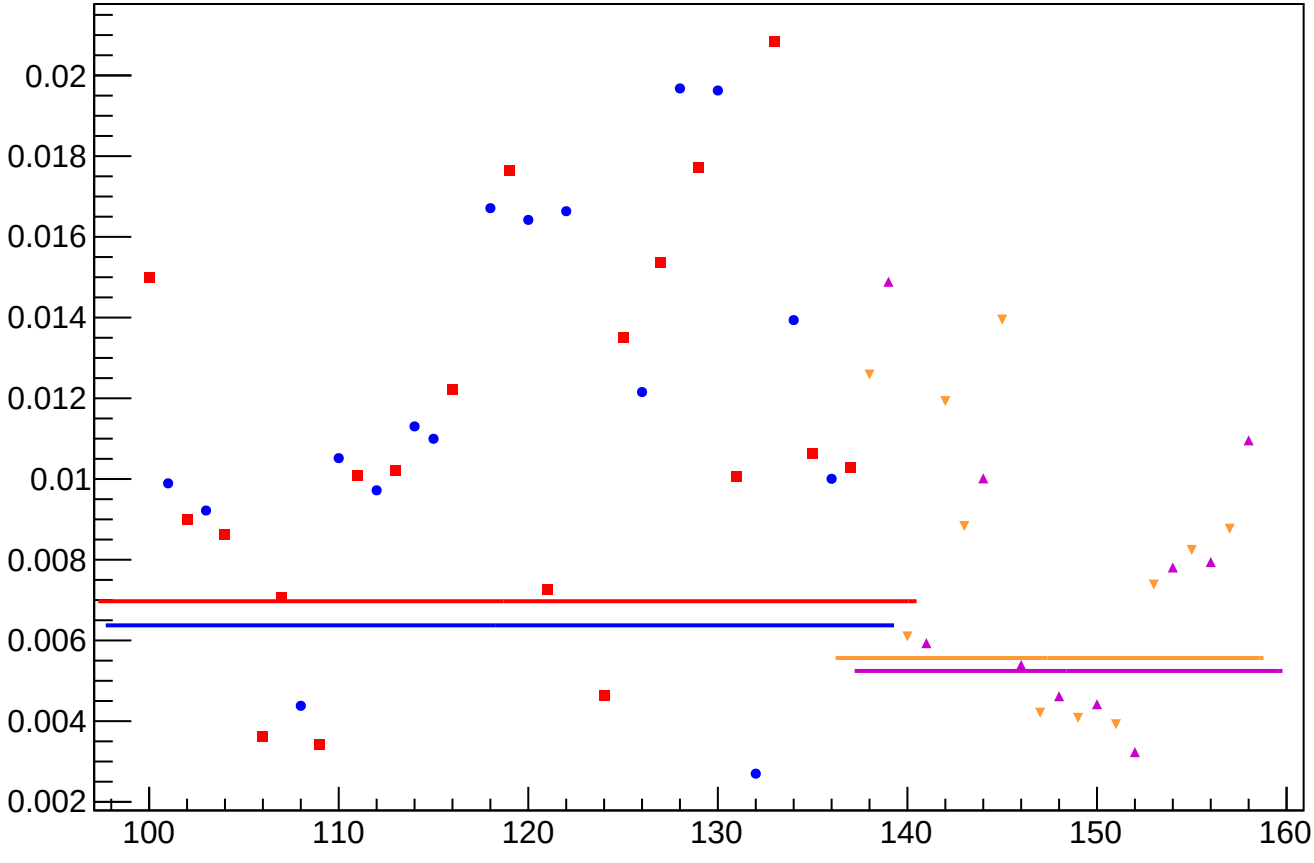
In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 168.949+/-0.035 χ^2/NDF:7457947.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:20.8/10
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:6.3/9
Left: 0.000+/-0.000 χ²/NDF: 27.8/20
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:21.2/25
Out: 0.000+/-0.000 χ²/NDF:40.3/29
All: 0.000+/-0.000 χ²/NDF: 61.6/55

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:2653767.7/10

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

Left: 0.005+/-0.000 χ^2/NDF: 5276555.0/20

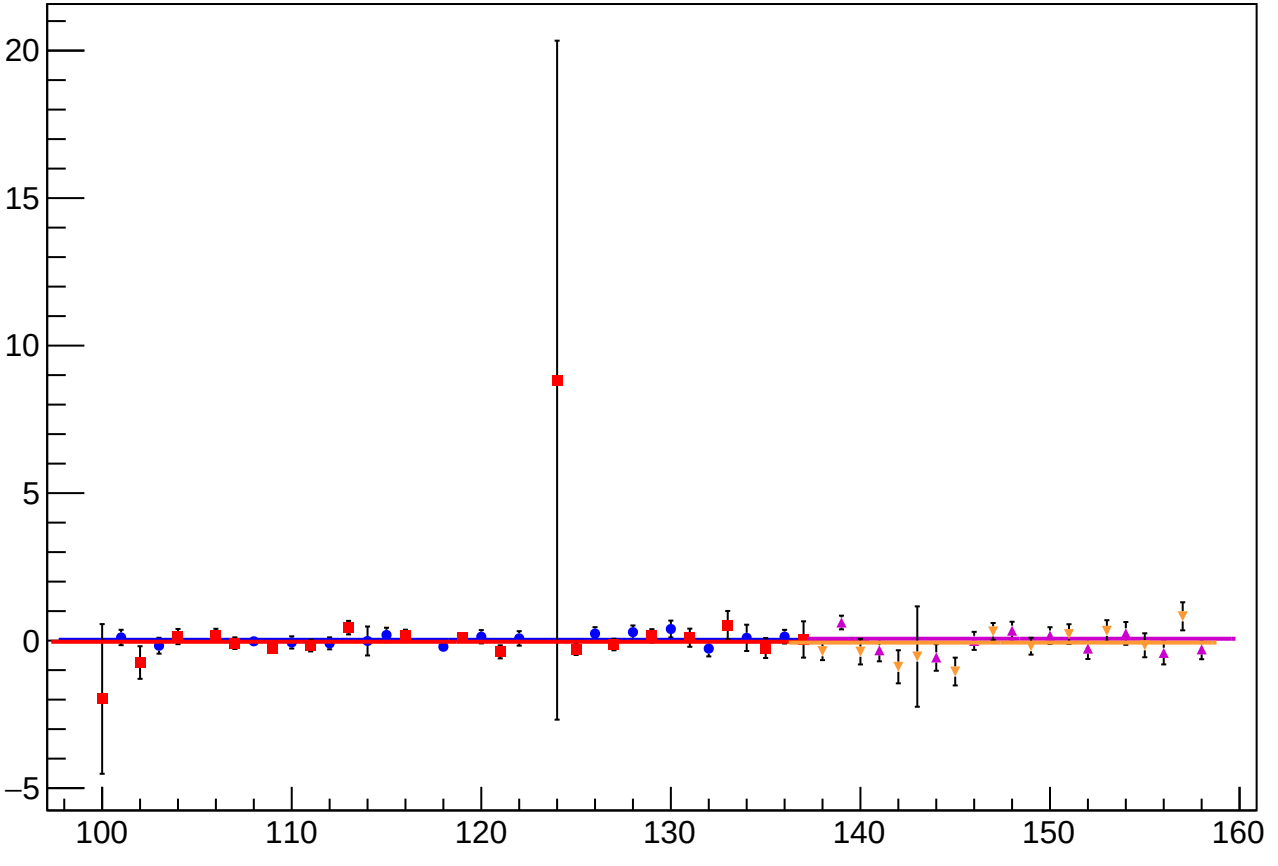
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7441049.1/25

Out: 0.006+/-0.000 χ^2/NDF:6358575.8/29

All: 0.006+/-0.000 χ^2/NDF: 13860907.8/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

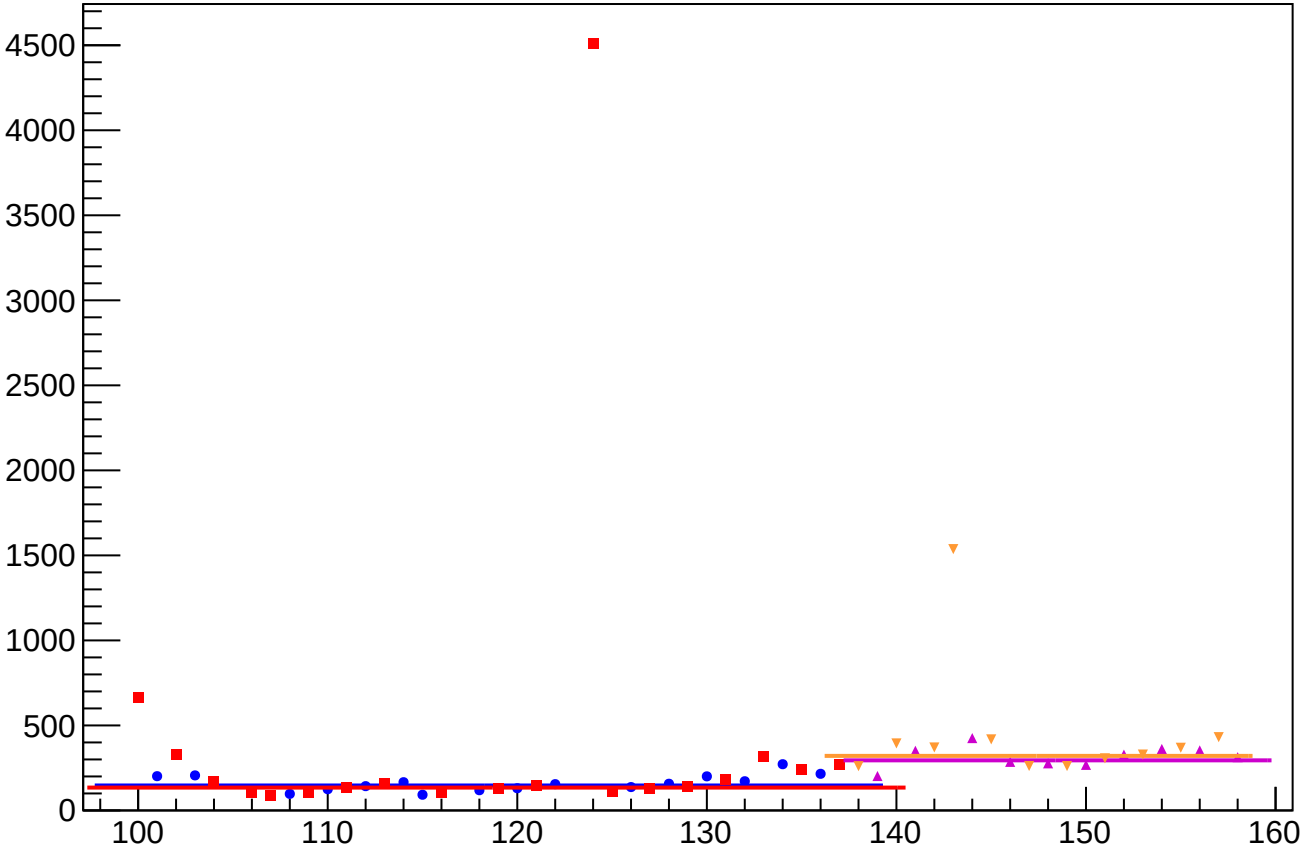
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

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: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

Left: 306.332+/-0.054 χ^2/NDF: 2312554.5/20

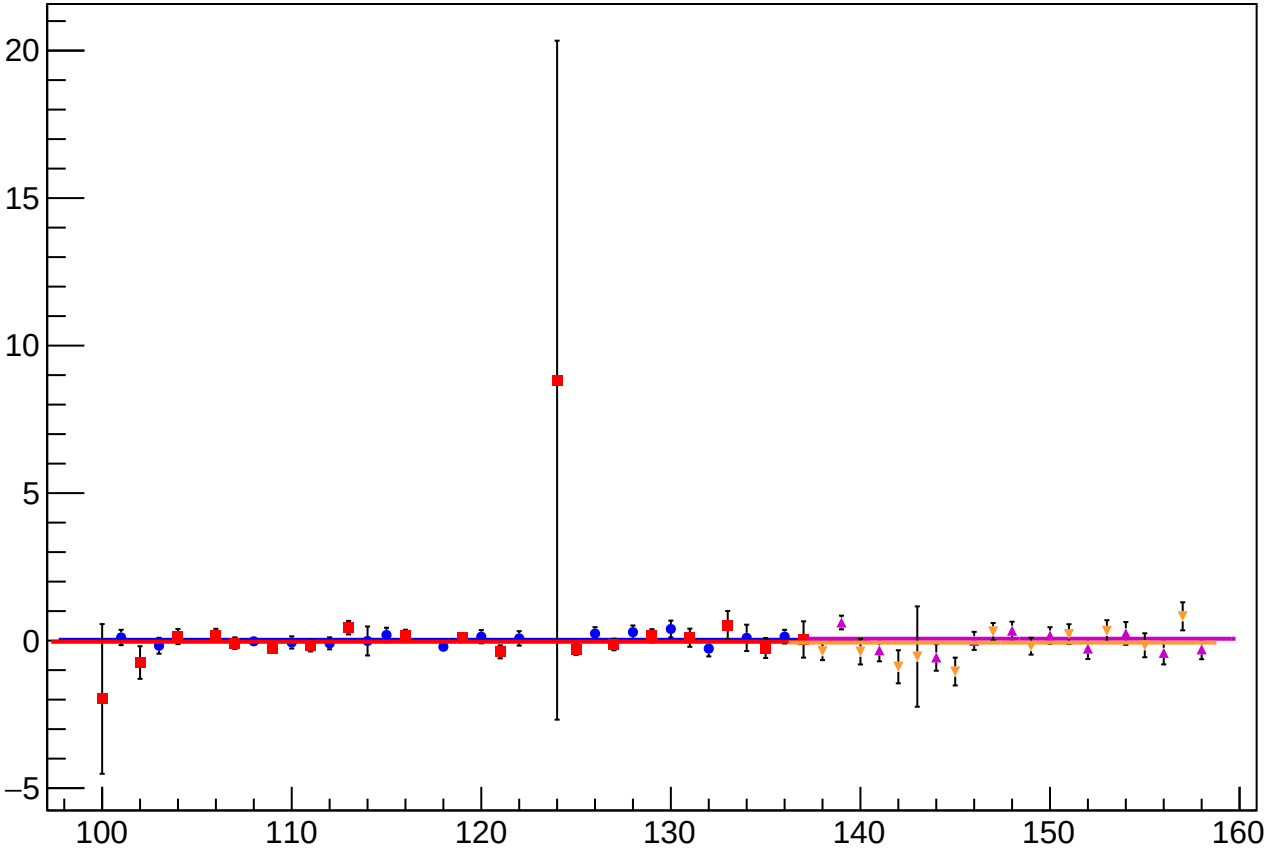
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 168.951+/-0.035 χ^2/NDF:7457894.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

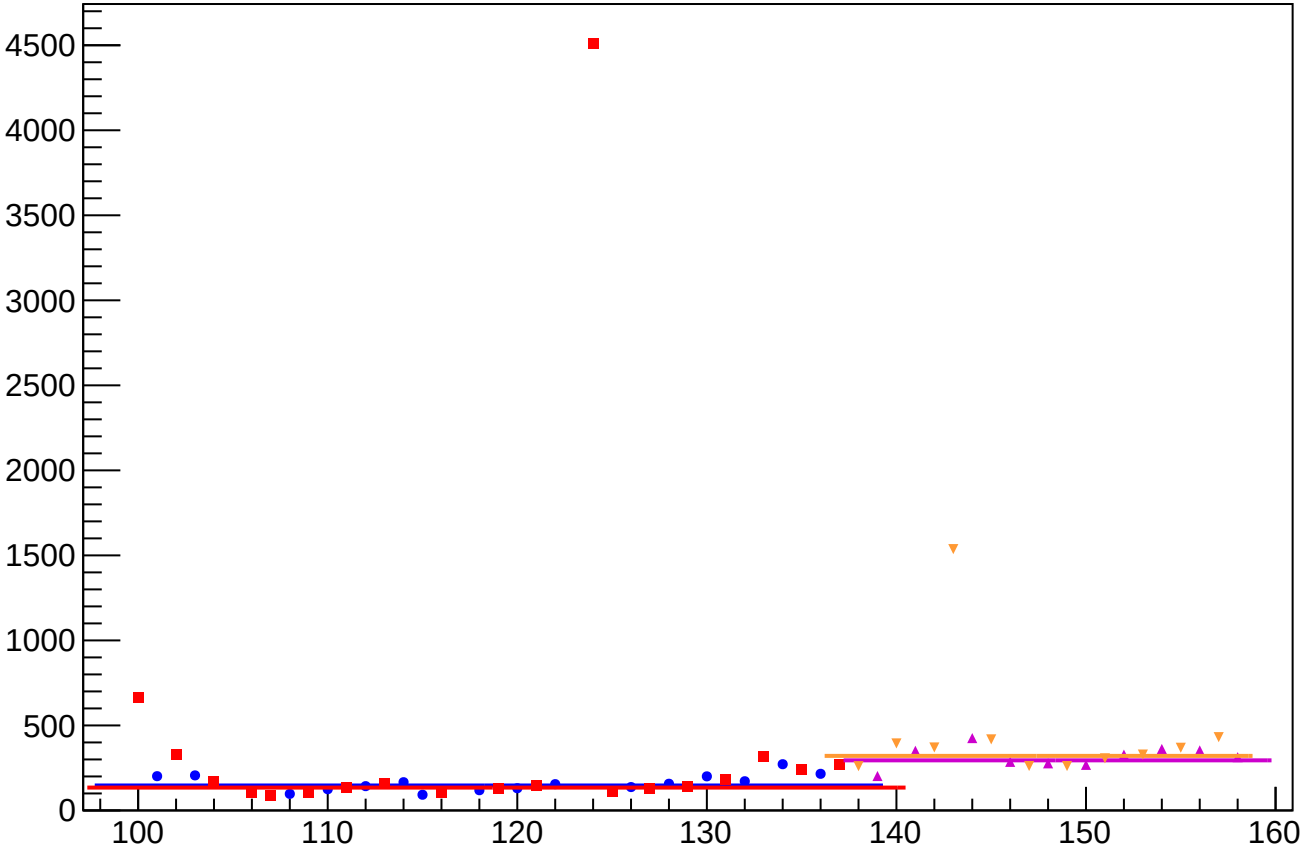
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

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: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

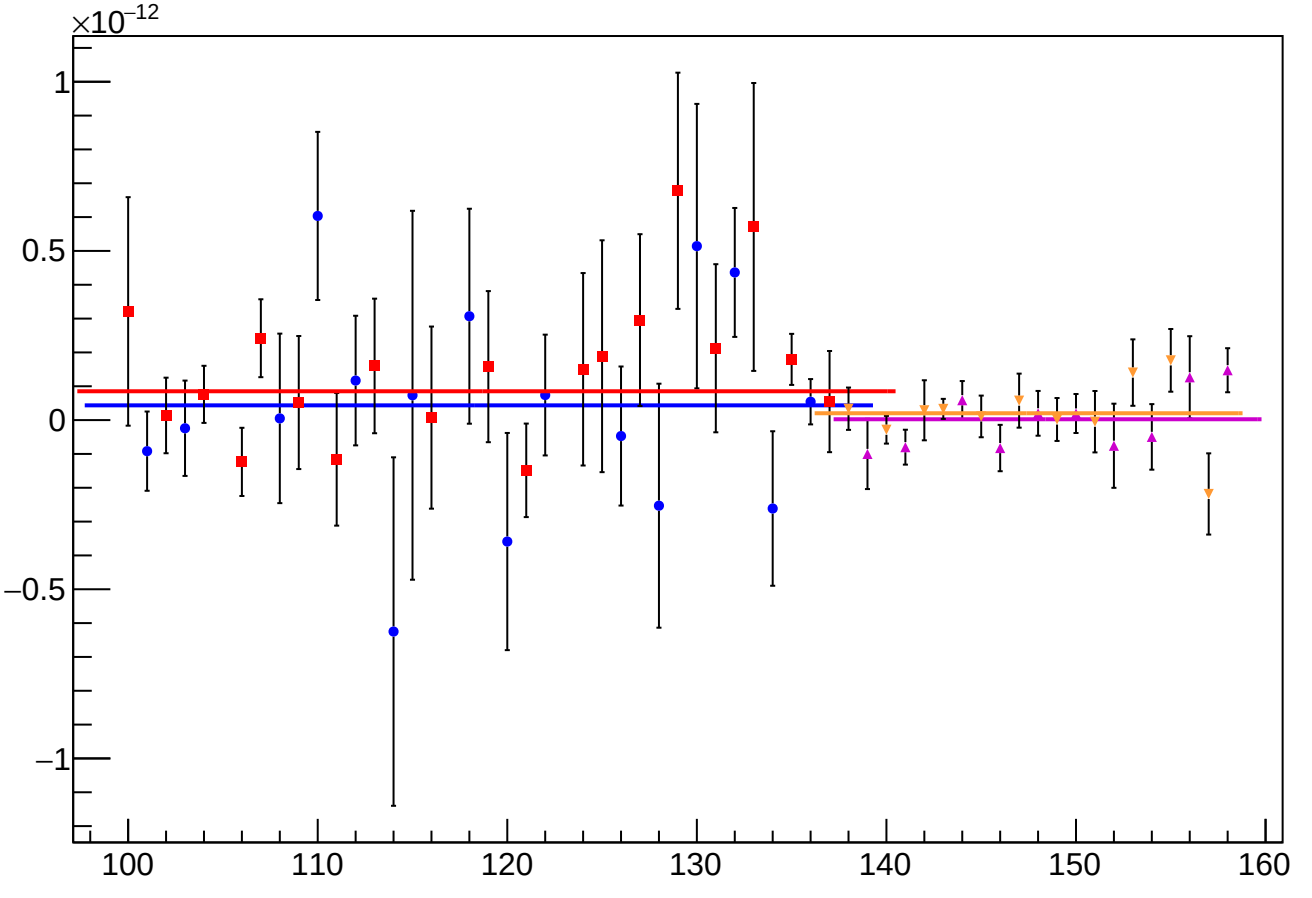
Left: 306.332+/-0.054 χ^2/NDF: 2312554.5/20

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 168.951+/-0.035 χ^2/NDF:7457894.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/9

Left: 0.000+/-0.000 χ^2/NDF: 23.6/20

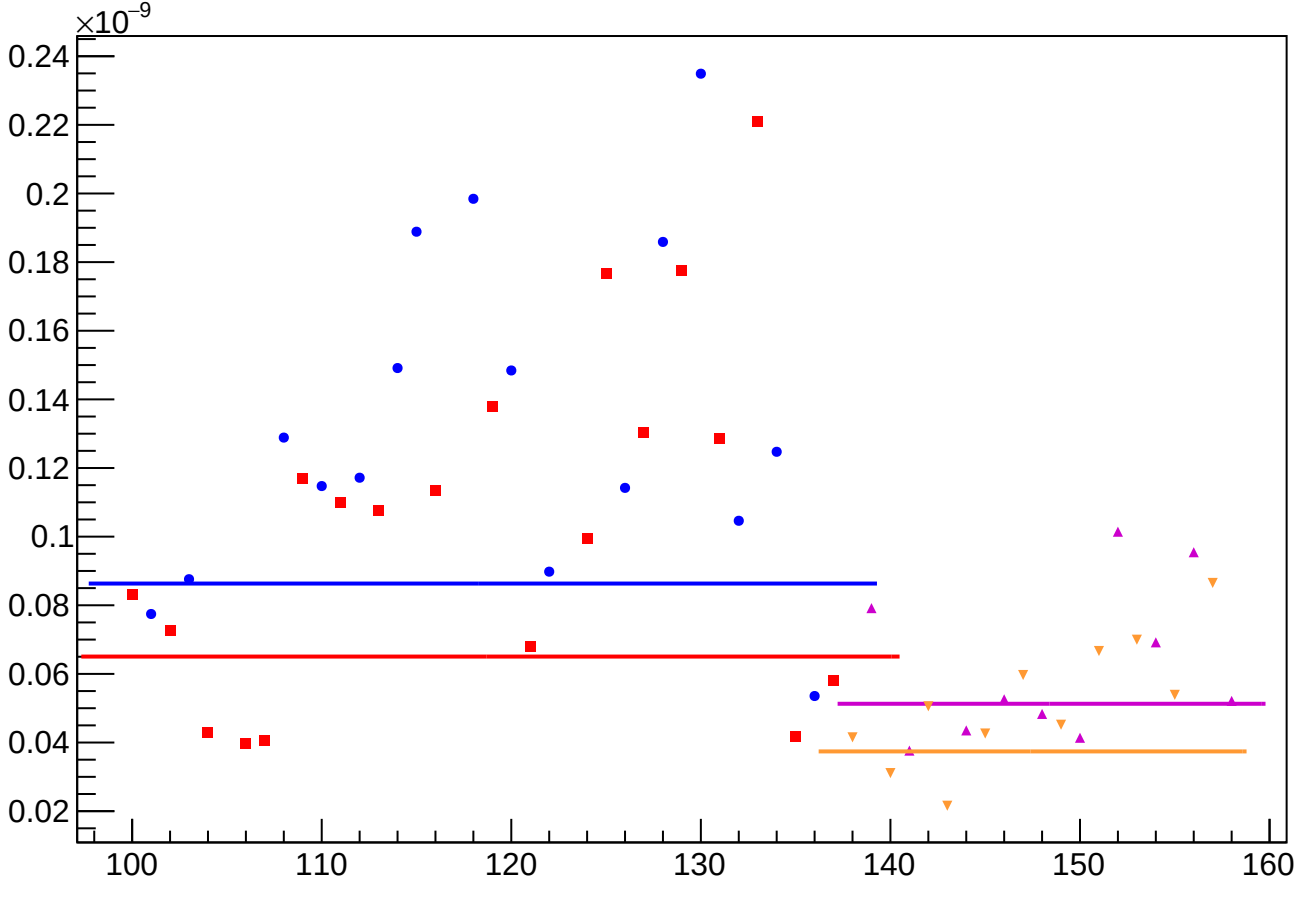
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:32.6/25

Out: 0.000+/-0.000 χ^2/NDF:31.4/29

All: 0.000+/-0.000 χ^2/NDF: 64.8/55

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696147.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

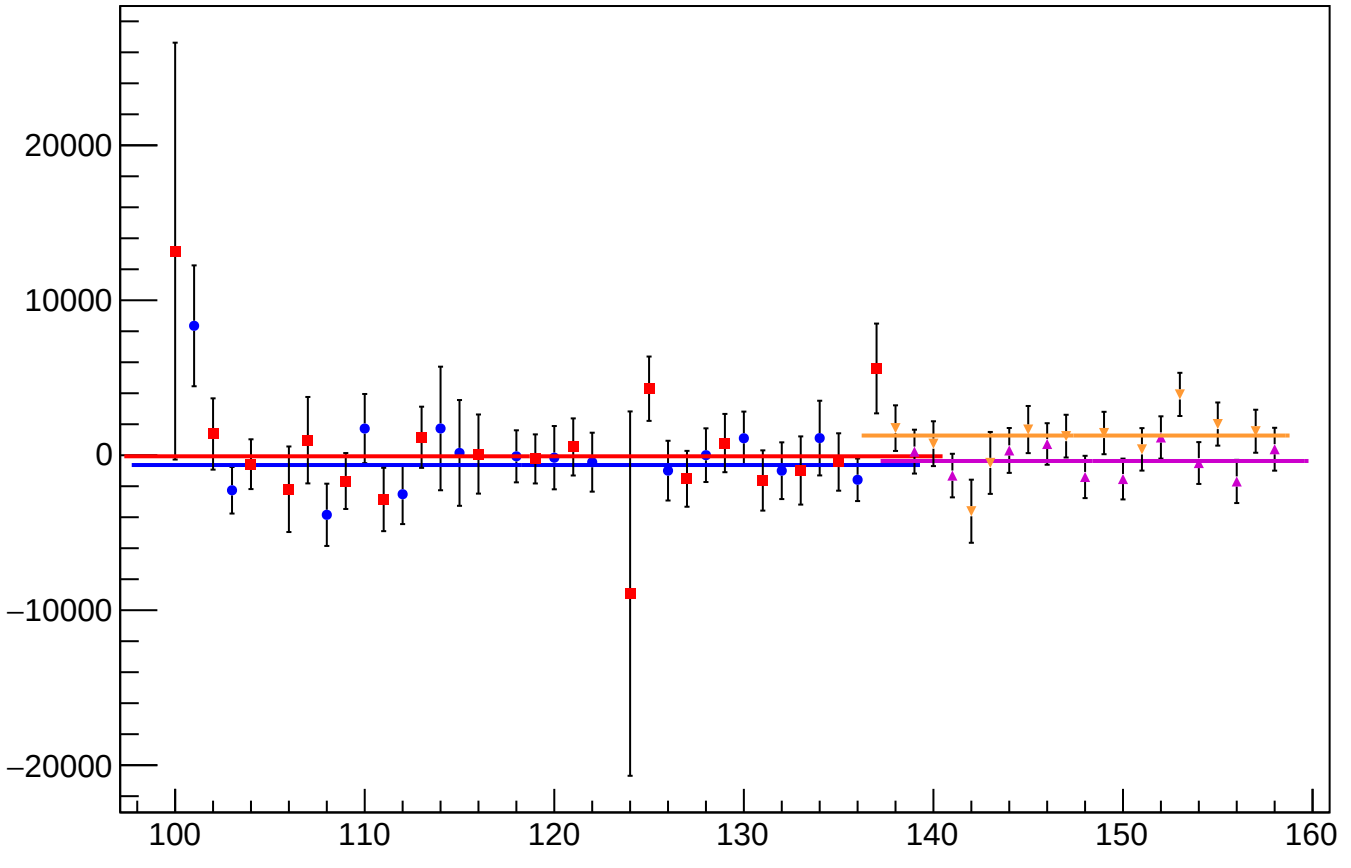
Left: 0.000+/-0.000 χ^2/NDF: 3214314.4/20

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3664712.7/25

Out: 0.000+/-0.000 χ^2/NDF:4884436.2/29

All: 0.000+/-0.000 χ^2/NDF: 9309610.2/55



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.584+/-446.901 χ^2/NDF:11.2/10

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -370.992+/-435.347 χ^2/NDF:5.3/9

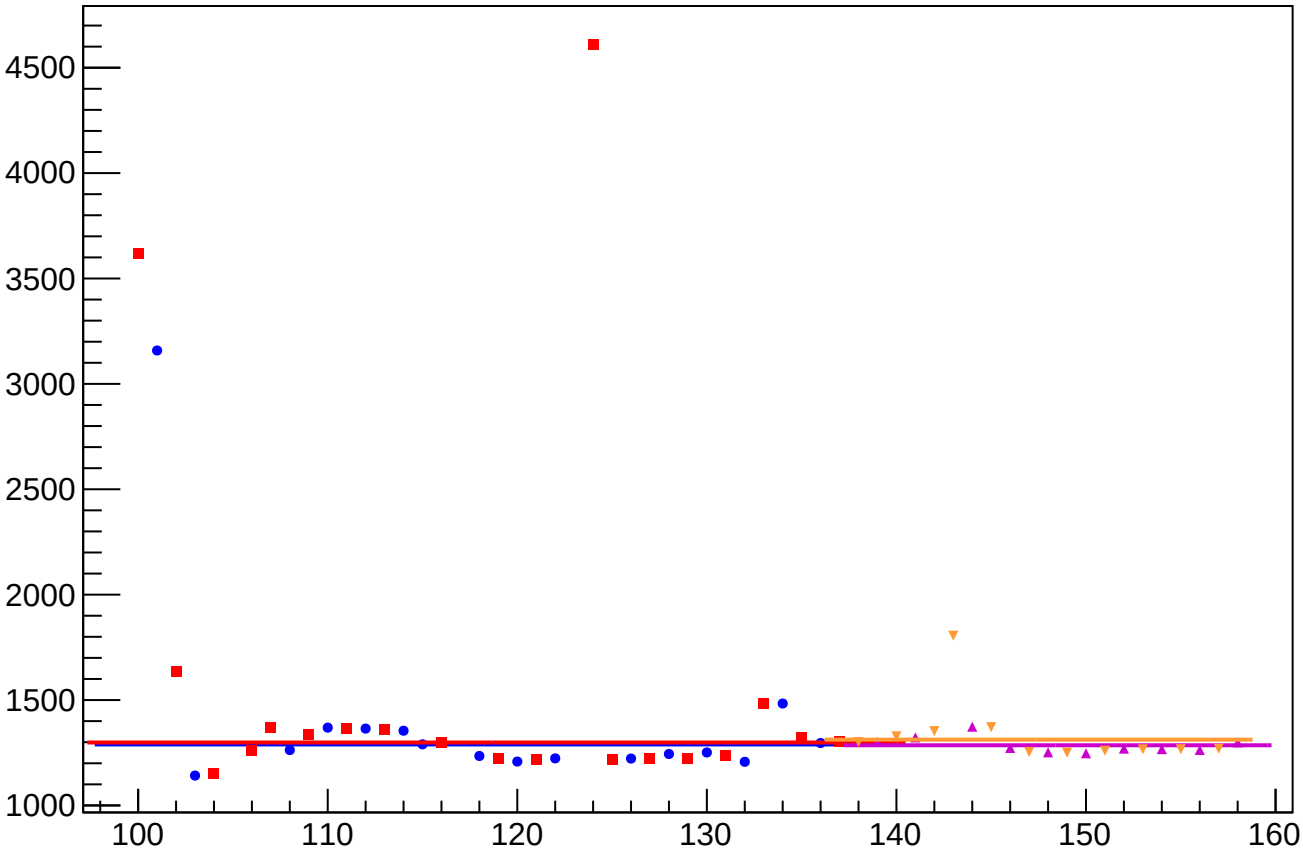
Left: 428.788+/-311.842 χ^2/NDF: 23.5/20

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -486.062+/-325.059 χ^2/NDF:19.4/25

Out: 660.405+/-329.506 χ^2/NDF:31.2/29

All: 79.381+/-231.408 χ^2/NDF: 56.7/55



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

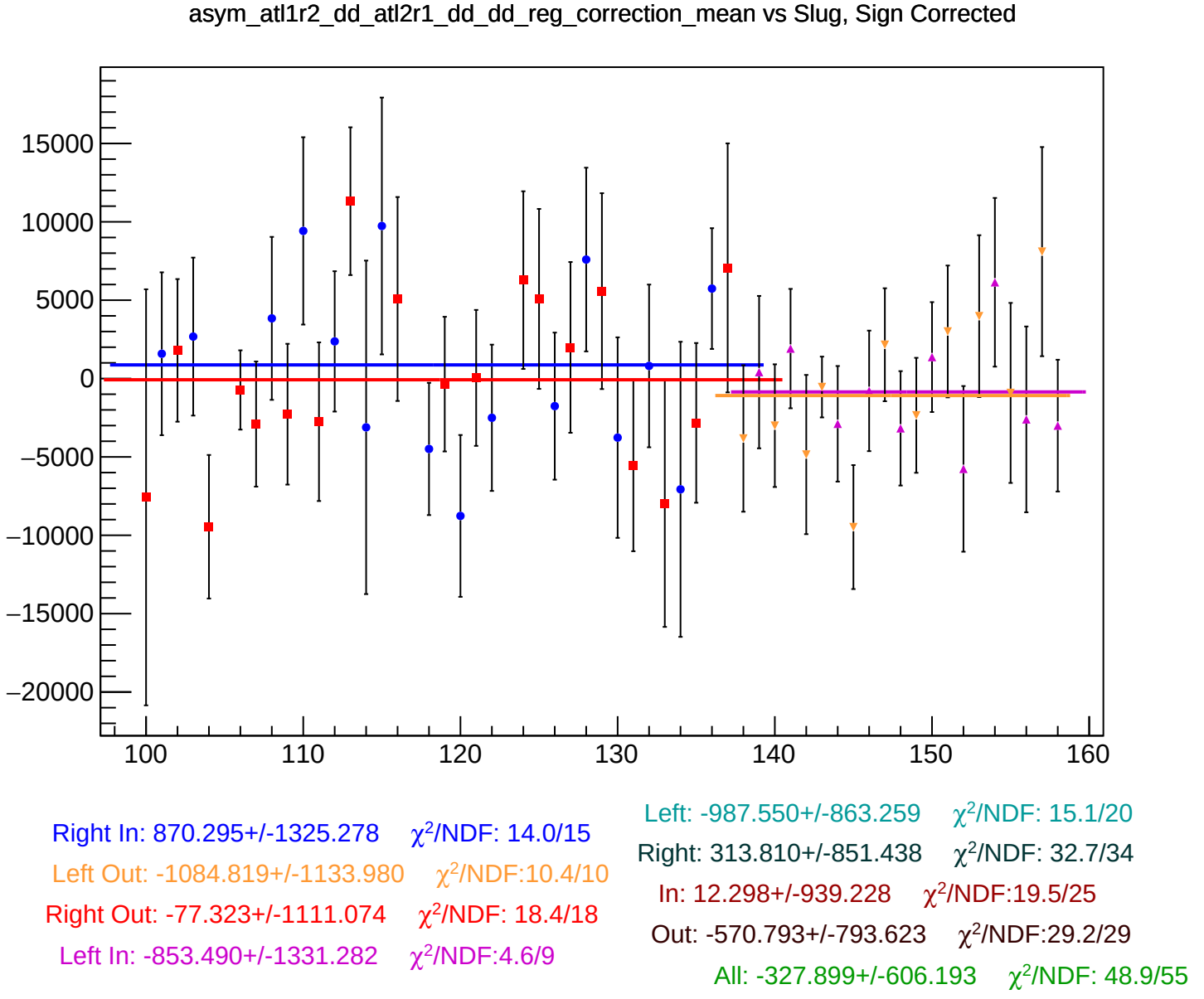
Left: 1298.415+/-0.221 χ^2/NDF: 159888.6/20

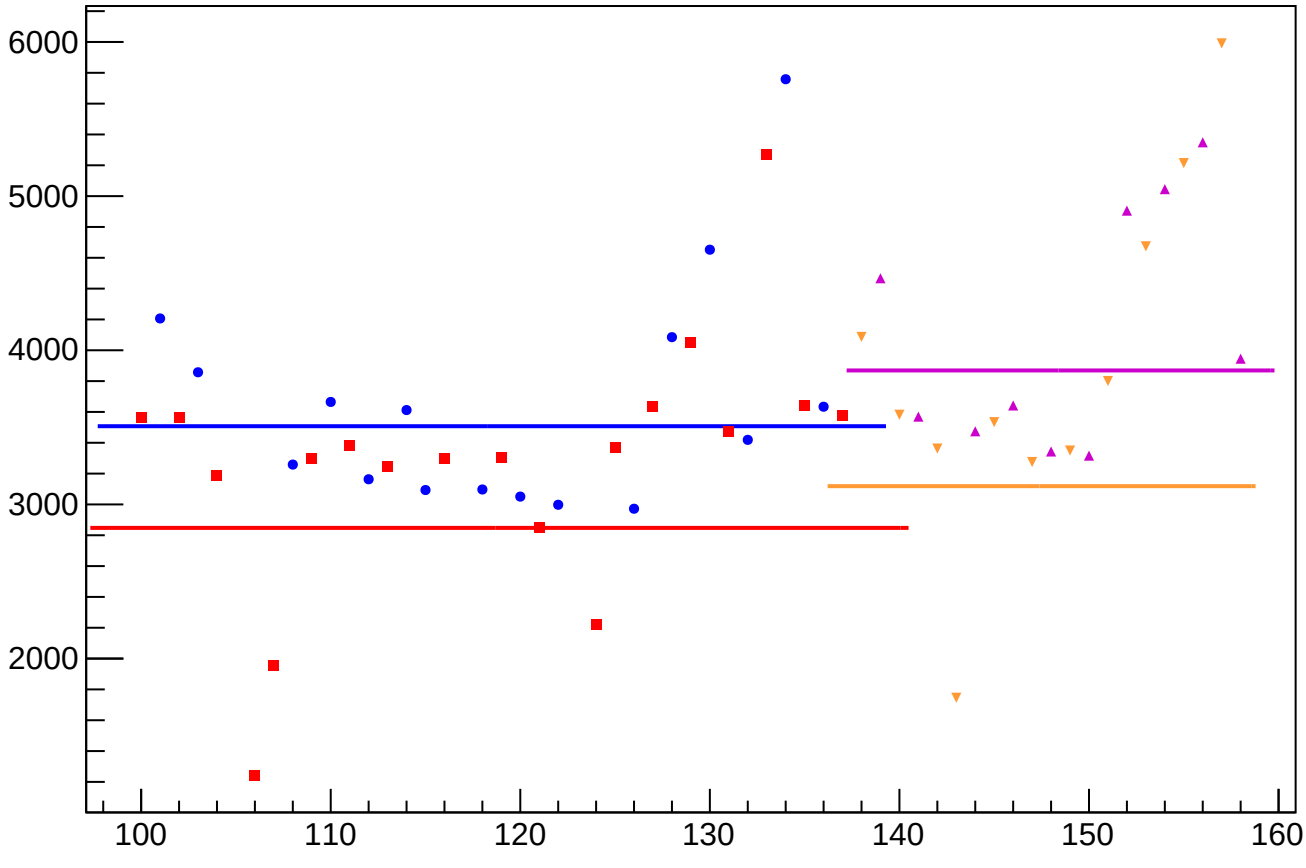
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1287.207+/-0.230 χ^2/NDF:528223.0/25

Out: 1305.955+/-0.233 χ^2/NDF:462959.1/29

All: 1296.465+/-0.164 χ^2/NDF: 994467.5/55


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -1084.819+/-1133.980 χ²/NDF:10.4/10
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -853.490+/-1331.282 χ²/NDF:4.6/9
Left: -987.550+/-863.259 χ²/NDF: 15.1/20
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 12.298+/-939.228 χ²/NDF:19.5/25
Out: -570.793+/-793.623 χ²/NDF:29.2/29
All: -327.899+/-606.193 χ²/NDF: 48.9/55



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3118.453+/-0.802 χ^2/NDF:2024690.3/10

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

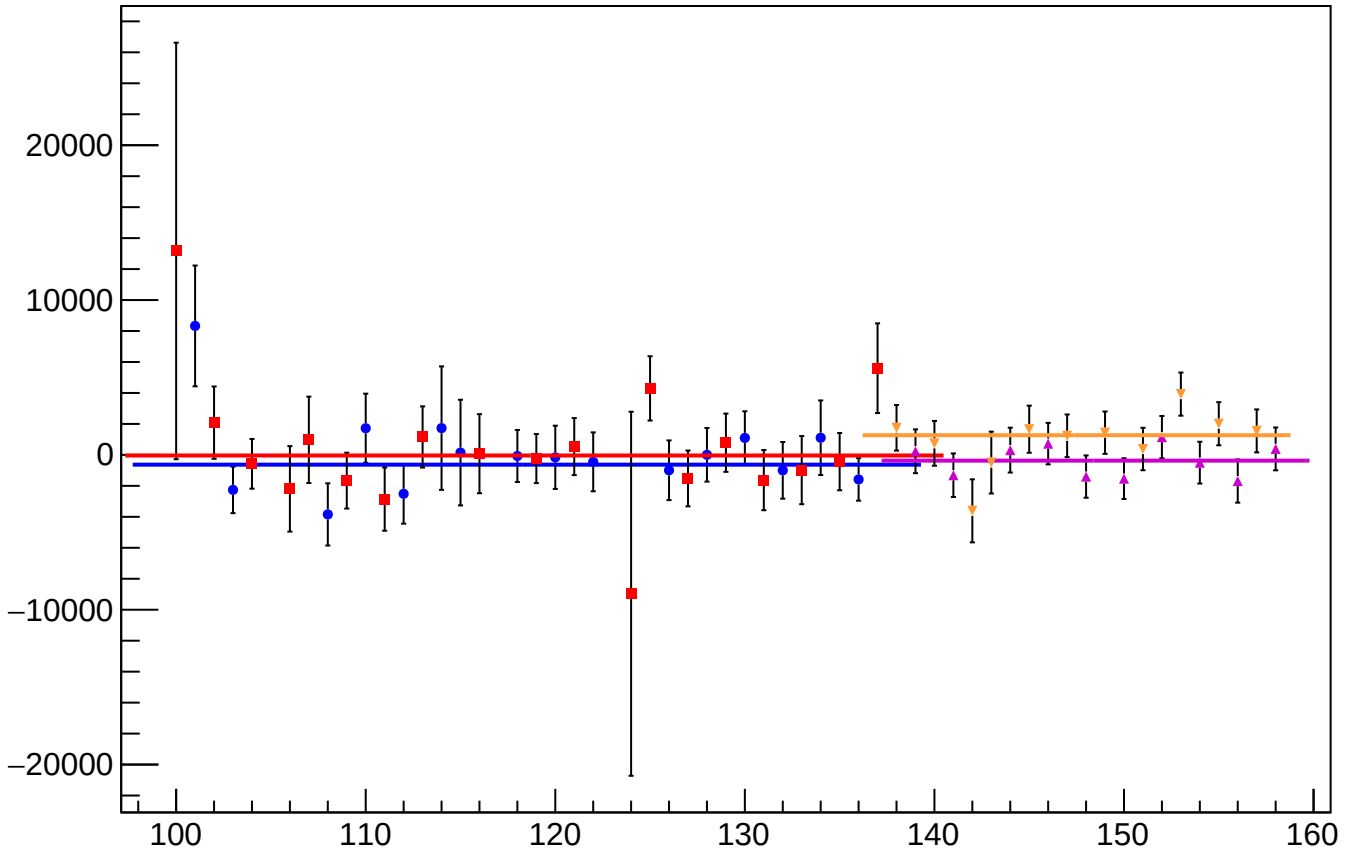
Left: 3434.101+/-0.610 χ^2/NDF: 2854804.2/20

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3687.453+/-0.664 χ^2/NDF:889723.8/25

Out: 2980.382+/-0.561 χ^2/NDF:3582177.9/29

All: 3274.921+/-0.429 χ^2/NDF: 5133216.2/55



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

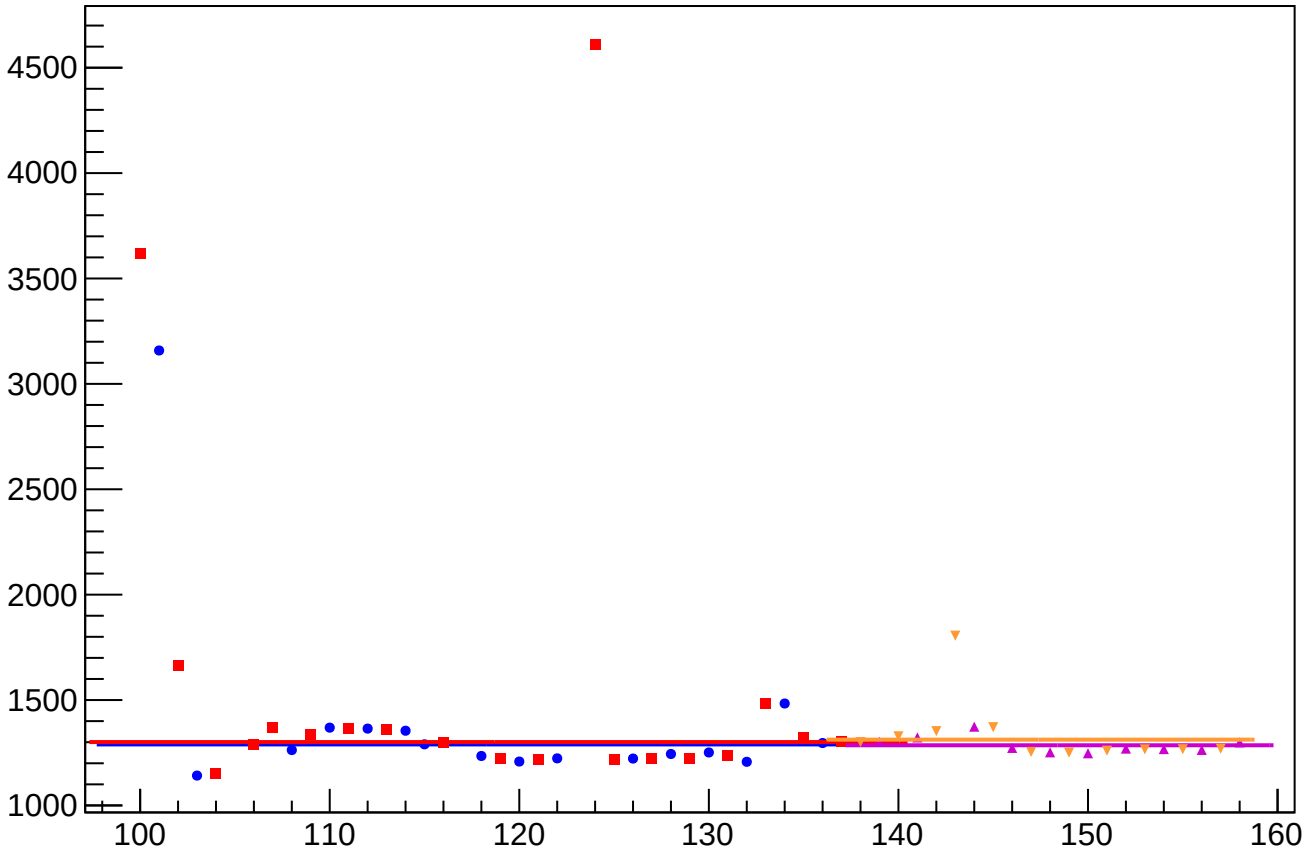
Left: 428.778+/-311.842 χ^2/NDF: 23.5/20

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 674.068+/-329.606 χ^2/NDF:31.5/29

All: 85.858+/-231.442 χ^2/NDF: 57.1/55



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

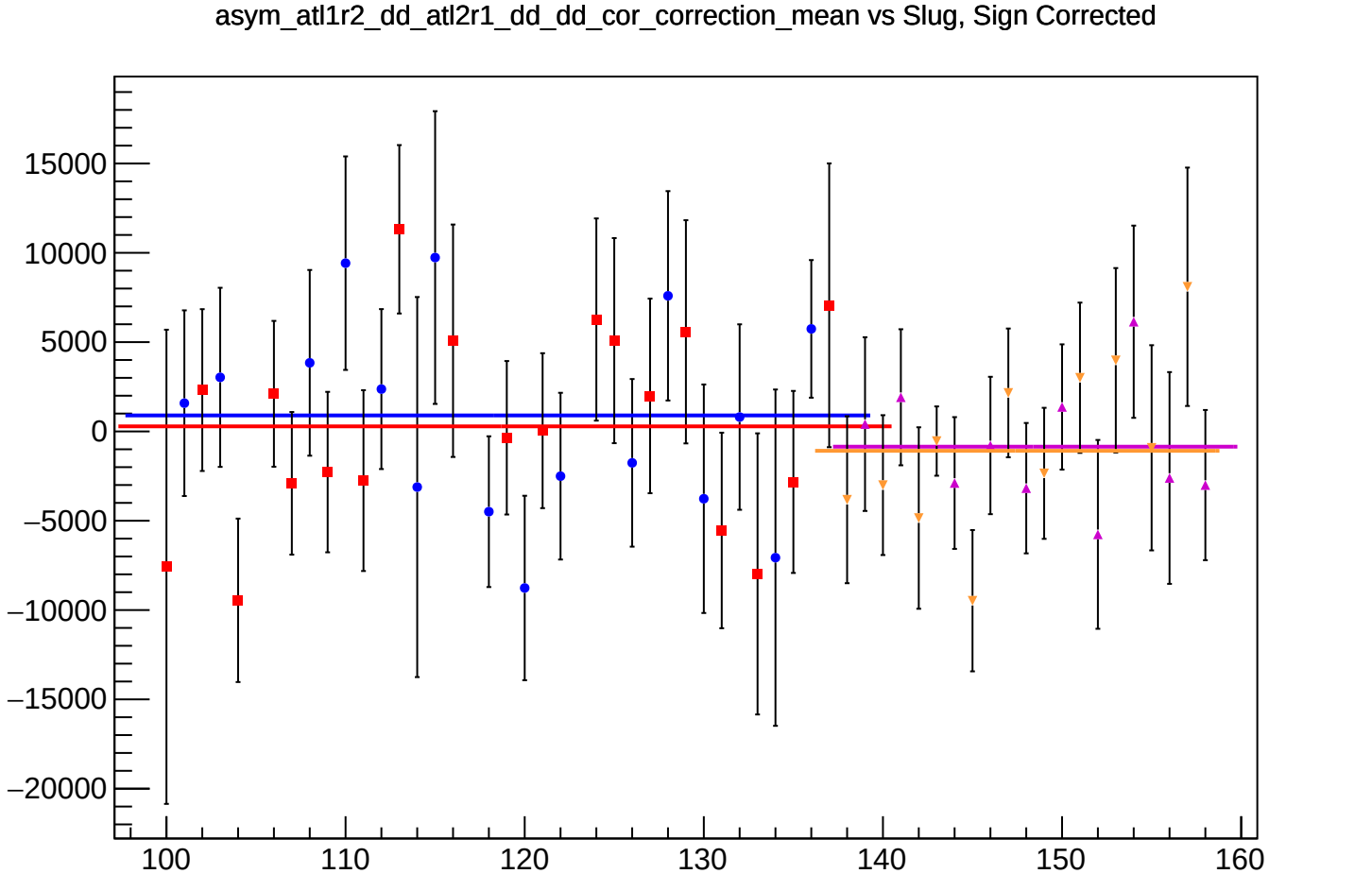
Left: 1298.415+/-0.221 χ^2/NDF: 159888.6/20

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1306.892+/-0.233 χ^2/NDF:469259.5/29

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -853.565+/-1331.280 χ^2/NDF:4.6/9

Left: -987.543+/-863.257 χ^2/NDF: 15.1/20

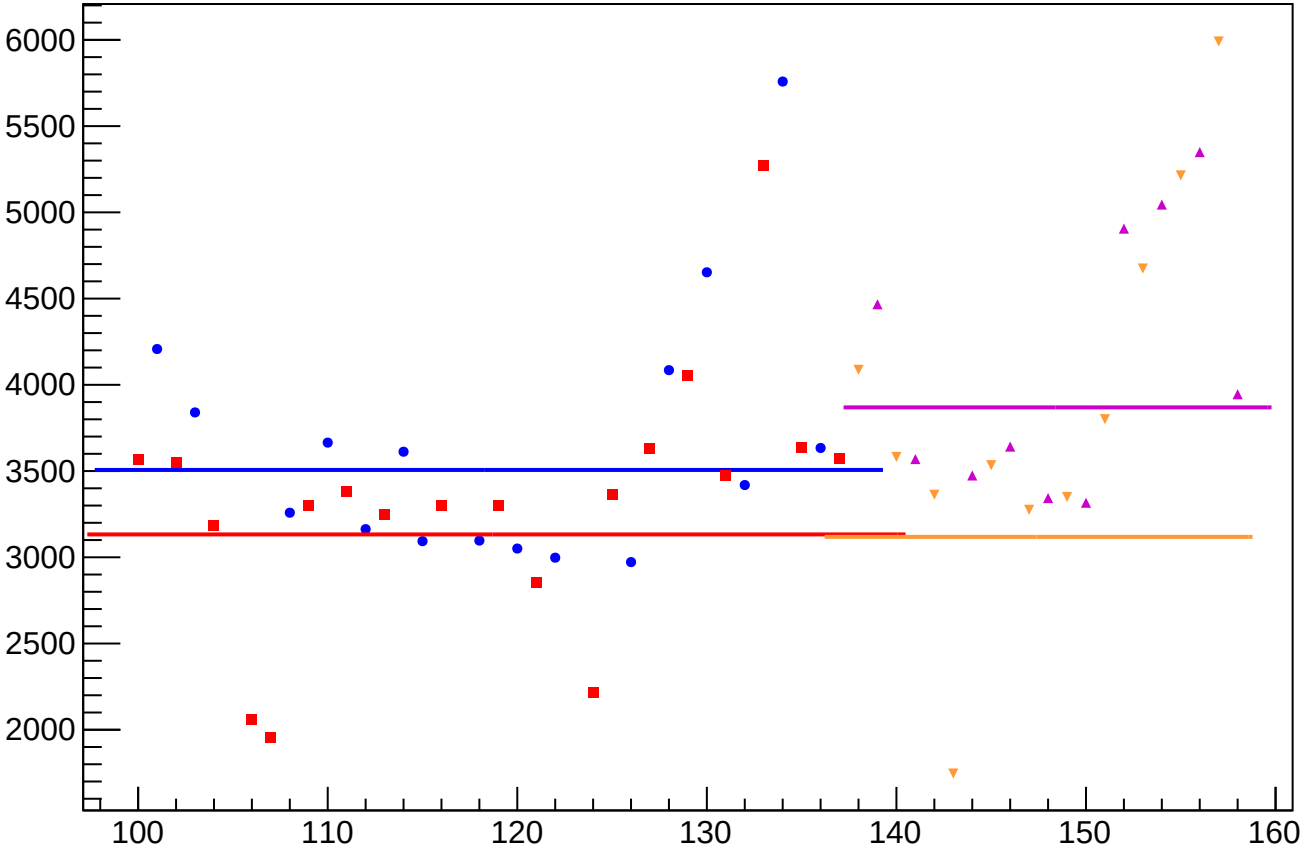
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 25.479+/-939.066 χ^2/NDF:19.6/25

Out: -429.439+/-818.682 χ^2/NDF:29.8/29

All: -232.991+/-617.097 χ^2/NDF: 49.5/55

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

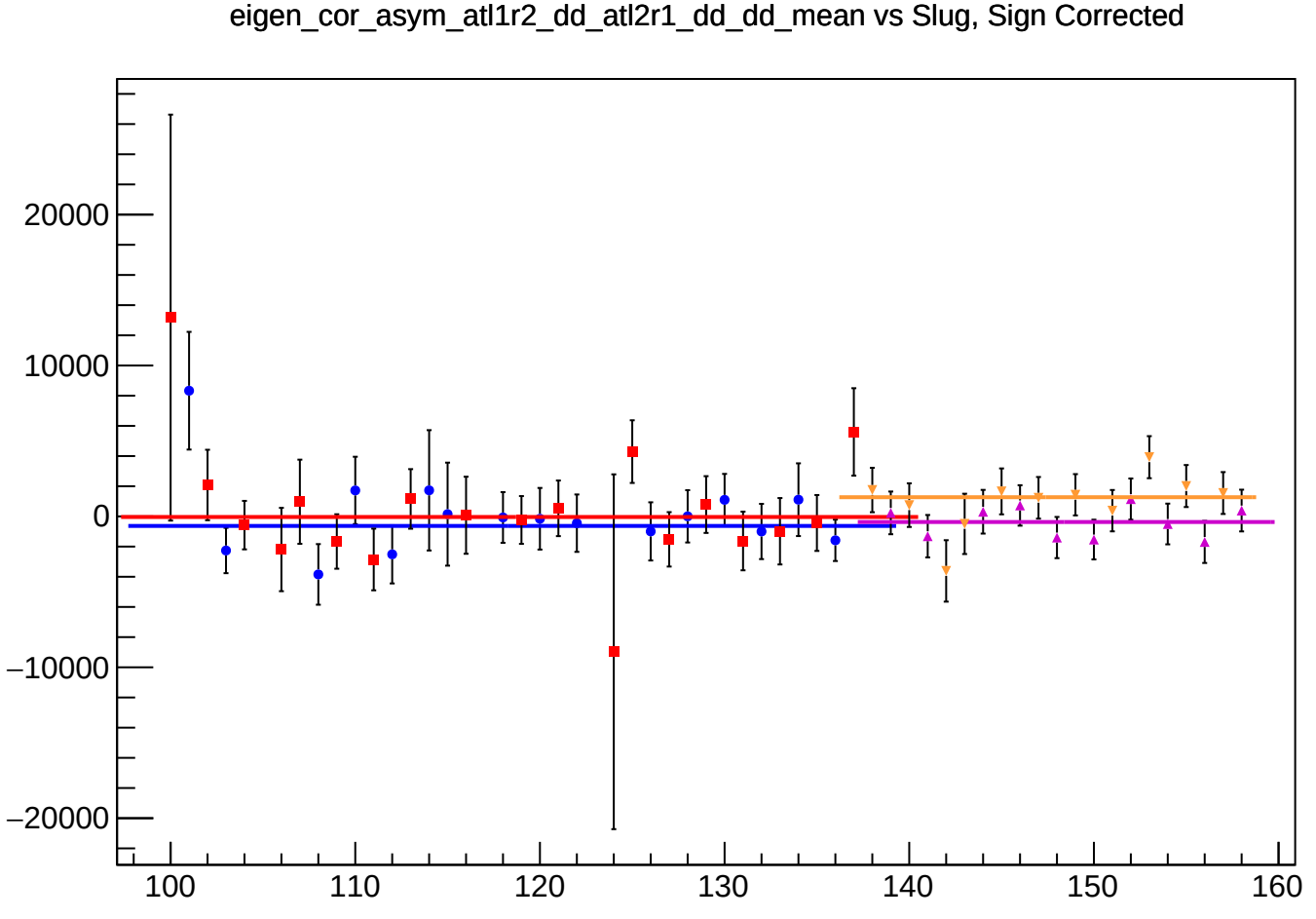
Left: 3434.093+/-0.610 χ^2/NDF: 2854834.2/20

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3125.214+/-0.579 χ^2/NDF:2674472.2/29

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -370.993+/-435.347 χ^2/NDF:5.3/9

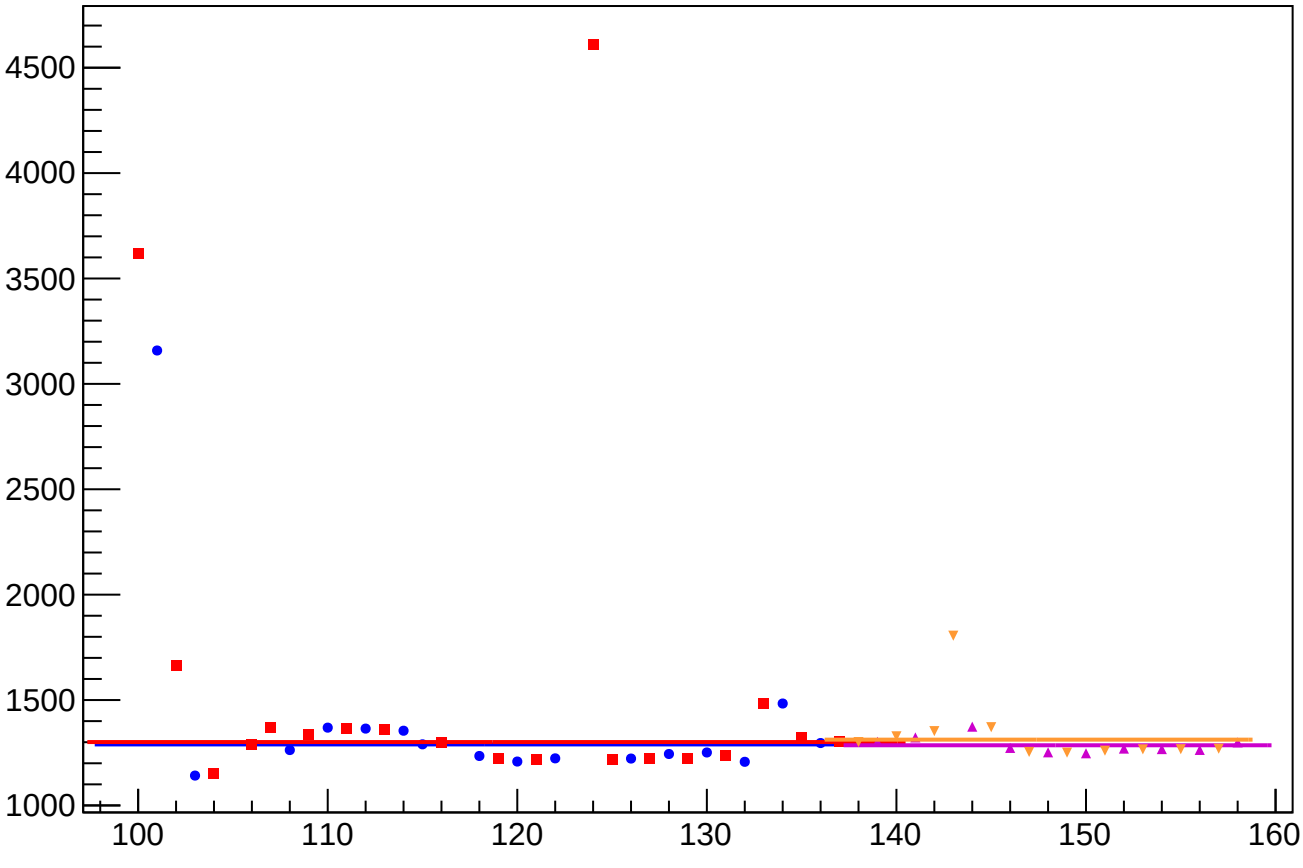
Left: 428.778+/-311.842 χ^2/NDF: 23.5/20

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -486.232+/-325.059 χ^2/NDF:19.4/25

Out: 674.068+/-329.606 χ^2/NDF:31.5/29

All: 85.858+/-231.442 χ^2/NDF: 57.1/55



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

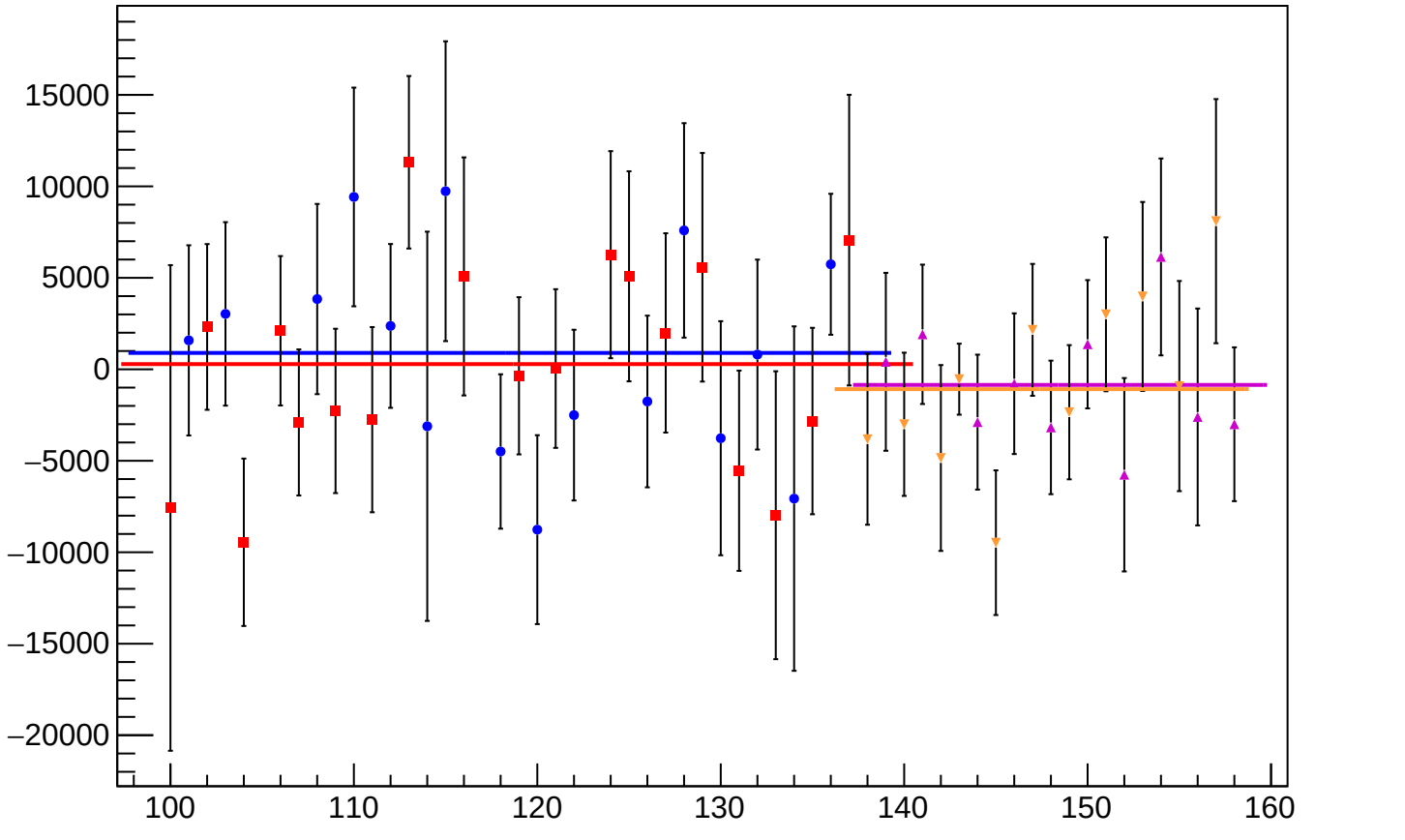
Left: 1298.415+/-0.221 χ^2/NDF: 159888.6/20

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.207+/-0.230 χ^2/NDF:528224.4/25

Out: 1306.892+/-0.233 χ^2/NDF:469259.5/29

All: 1296.921+/-0.164 χ^2/NDF: 1001103.4/55



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -853.565+/-1331.280 χ^2/NDF:4.6/9

Left: -987.543+/-863.257 χ^2/NDF: 15.1/20

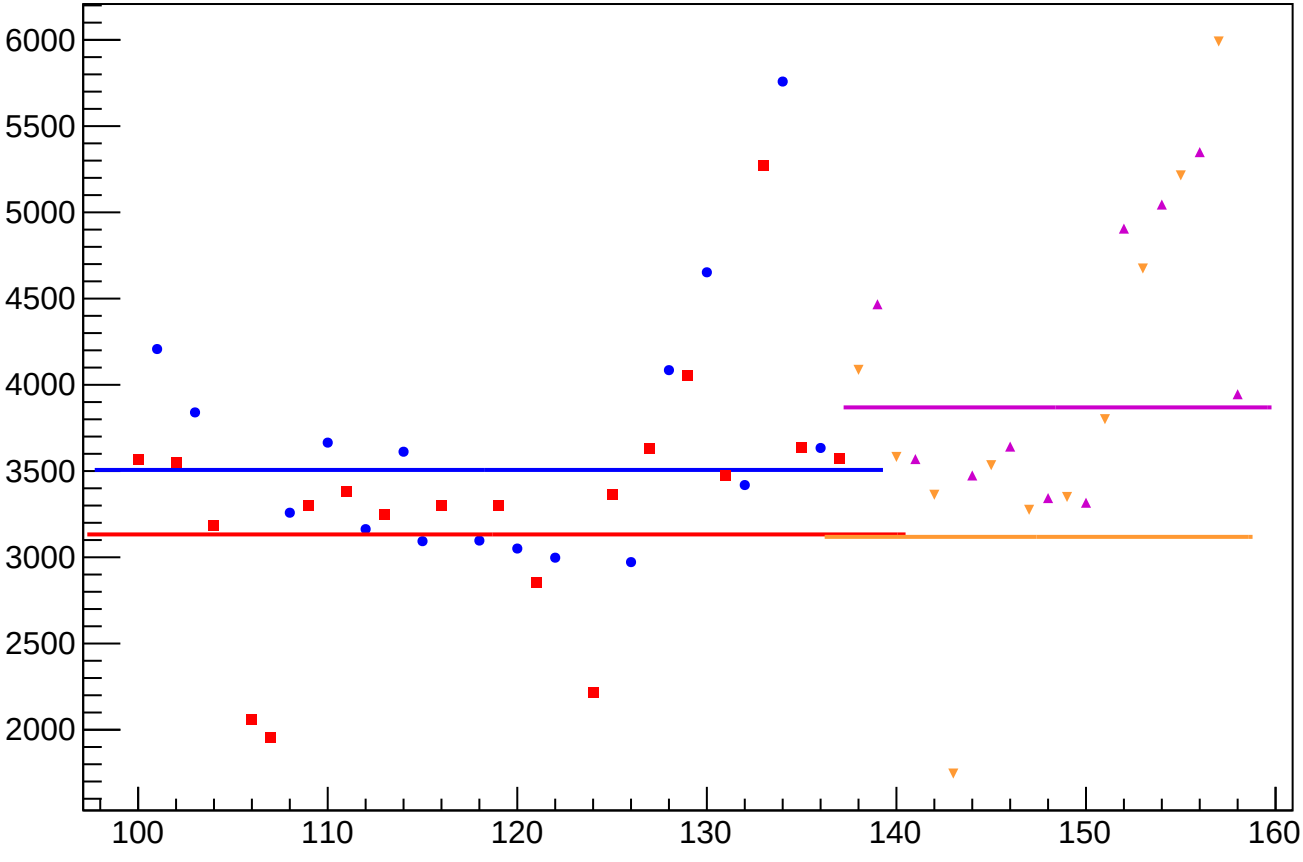
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 25.479+/-939.066 χ^2/NDF:19.6/25

Out: -429.439+/-818.682 χ^2/NDF:29.8/29

All: -232.991+/-617.097 χ^2/NDF: 49.5/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

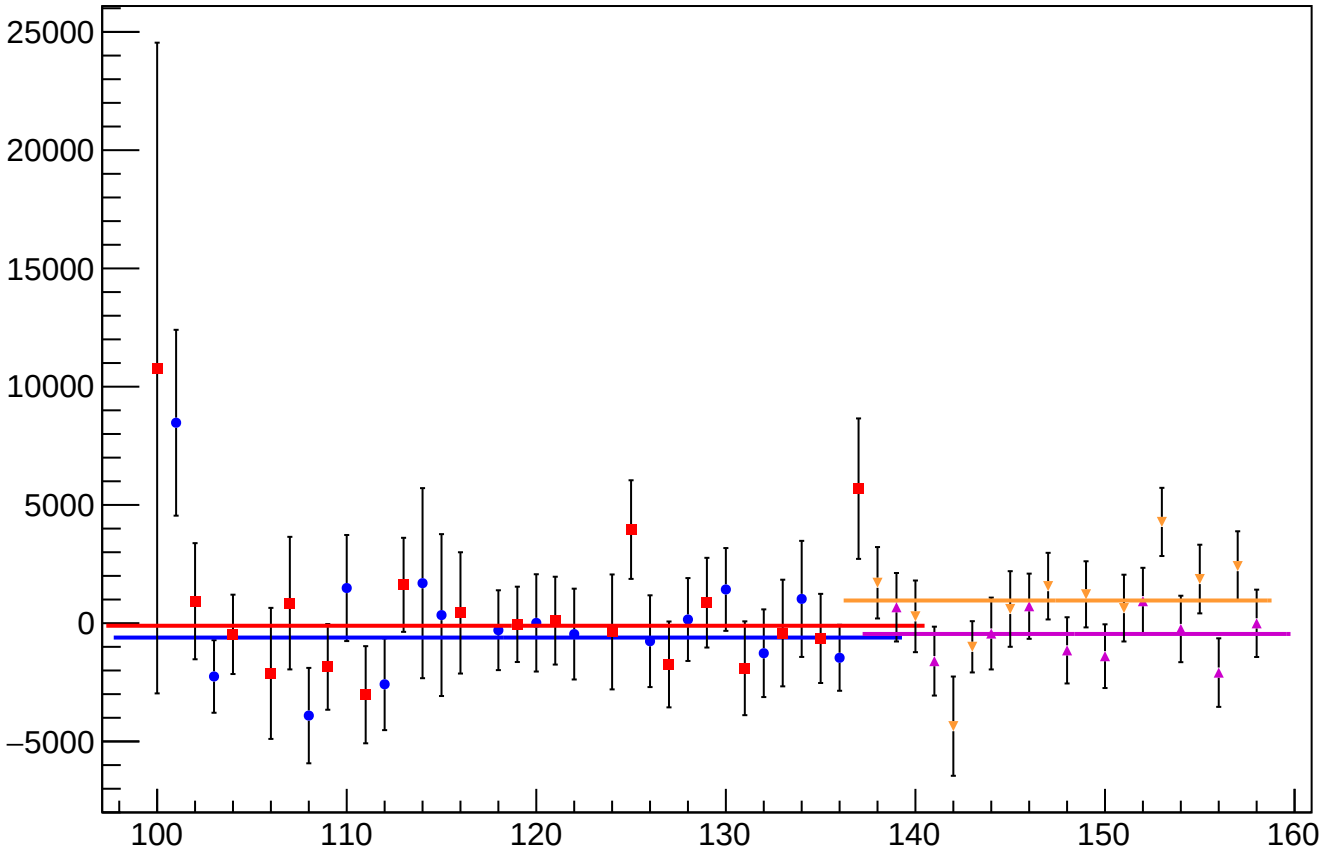
Left: 3434.093+/-0.610 χ^2/NDF: 2854834.2/20

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3686.930+/-0.664 χ^2/NDF:889381.9/25

Out: 3125.214+/-0.579 χ^2/NDF:2674472.2/29

All: 3367.781+/-0.436 χ^2/NDF: 3970436.1/55



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.320+/-435.286 χ^2/NDF:17.1/10

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.548 χ^2/NDF:5.0/9

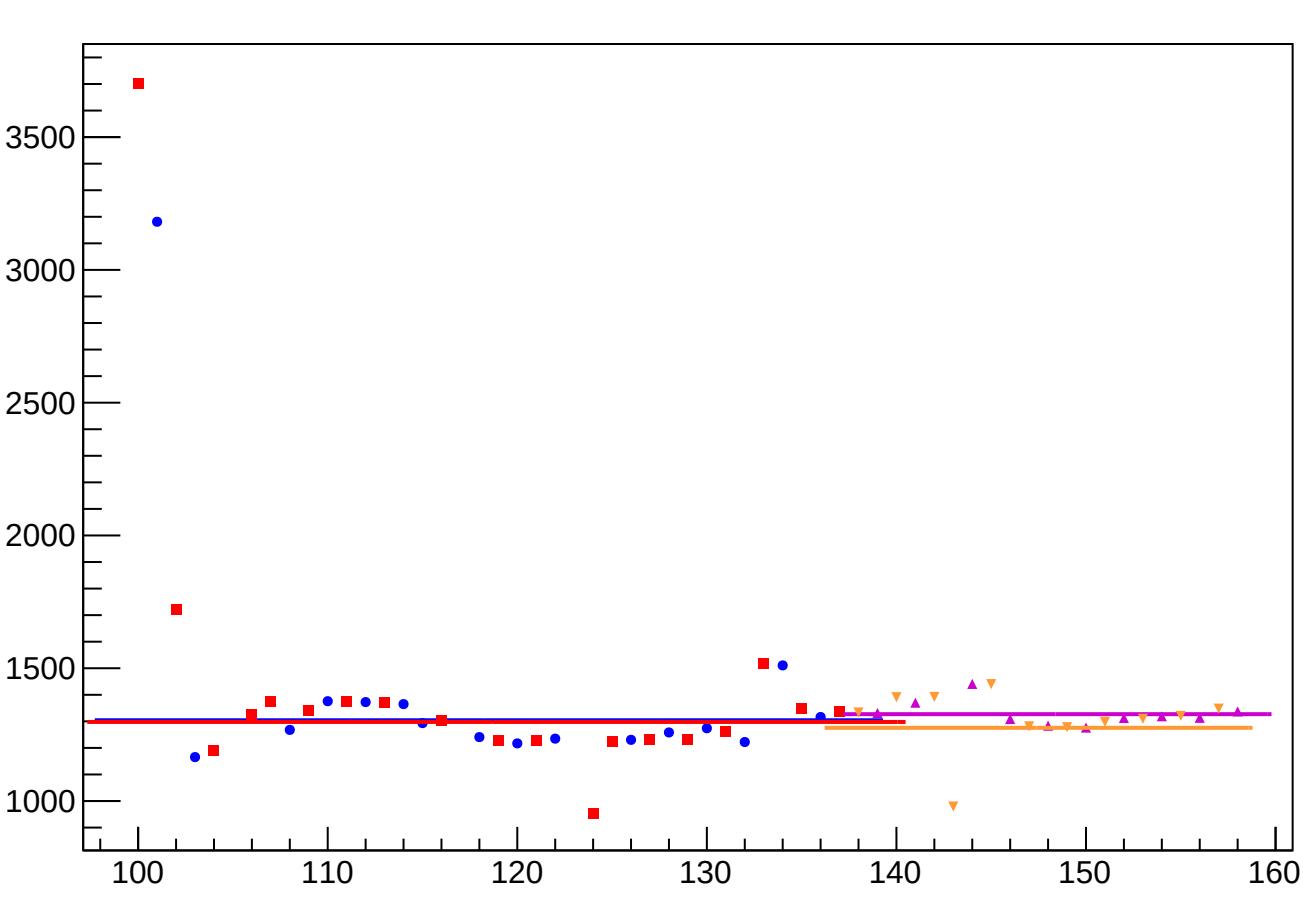
Left: 274.764+/-312.714 χ^2/NDF: 27.3/20

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -524.414+/-332.541 χ^2/NDF:19.2/25

Out: 483.475+/-324.113 χ^2/NDF:34.7/29

All: -7.536+/-232.105 χ^2/NDF: 58.6/55



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1275.710+/-0.308 χ^2/NDF:199772.2/10

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

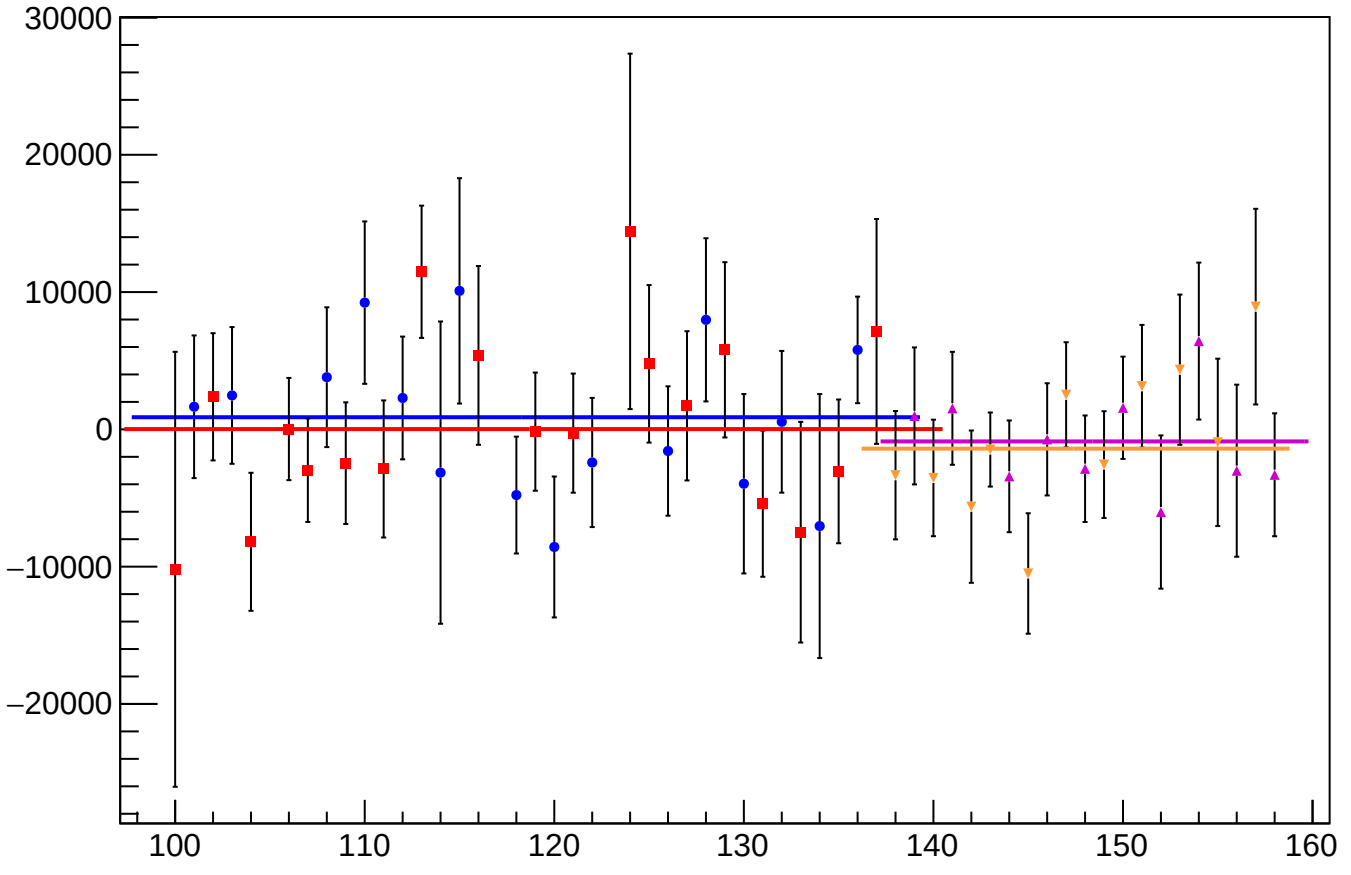
Left: 1300.558+/-0.221 χ^2/NDF: 231907.5/20

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1316.665+/-0.235 χ^2/NDF:531618.5/25

Out: 1285.559+/-0.229 χ^2/NDF:415165.2/29

All: 1300.708+/-0.164 χ^2/NDF: 955760.7/55



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1402.344+/-1304.423 χ^2/NDF:10.7/10

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -877.438+/-1419.681 χ^2/NDF:4.5/9

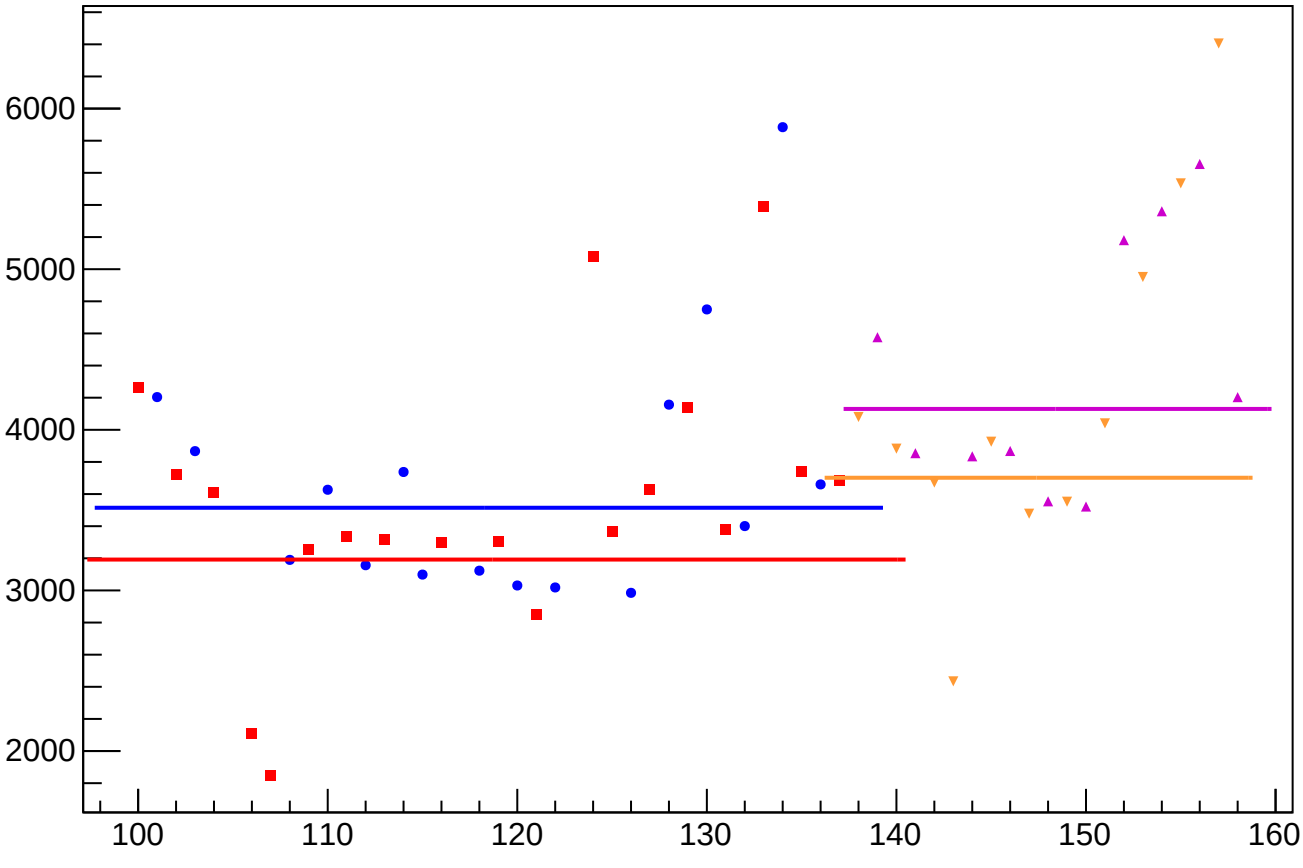
Left: -1162.060+/-960.533 χ^2/NDF: 15.2/20

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 62.417+/-969.597 χ^2/NDF:19.4/25

Out: -631.610+/-883.146 χ^2/NDF:28.2/29

All: -316.910+/-652.907 χ^2/NDF: 47.8/55



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3701.556+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

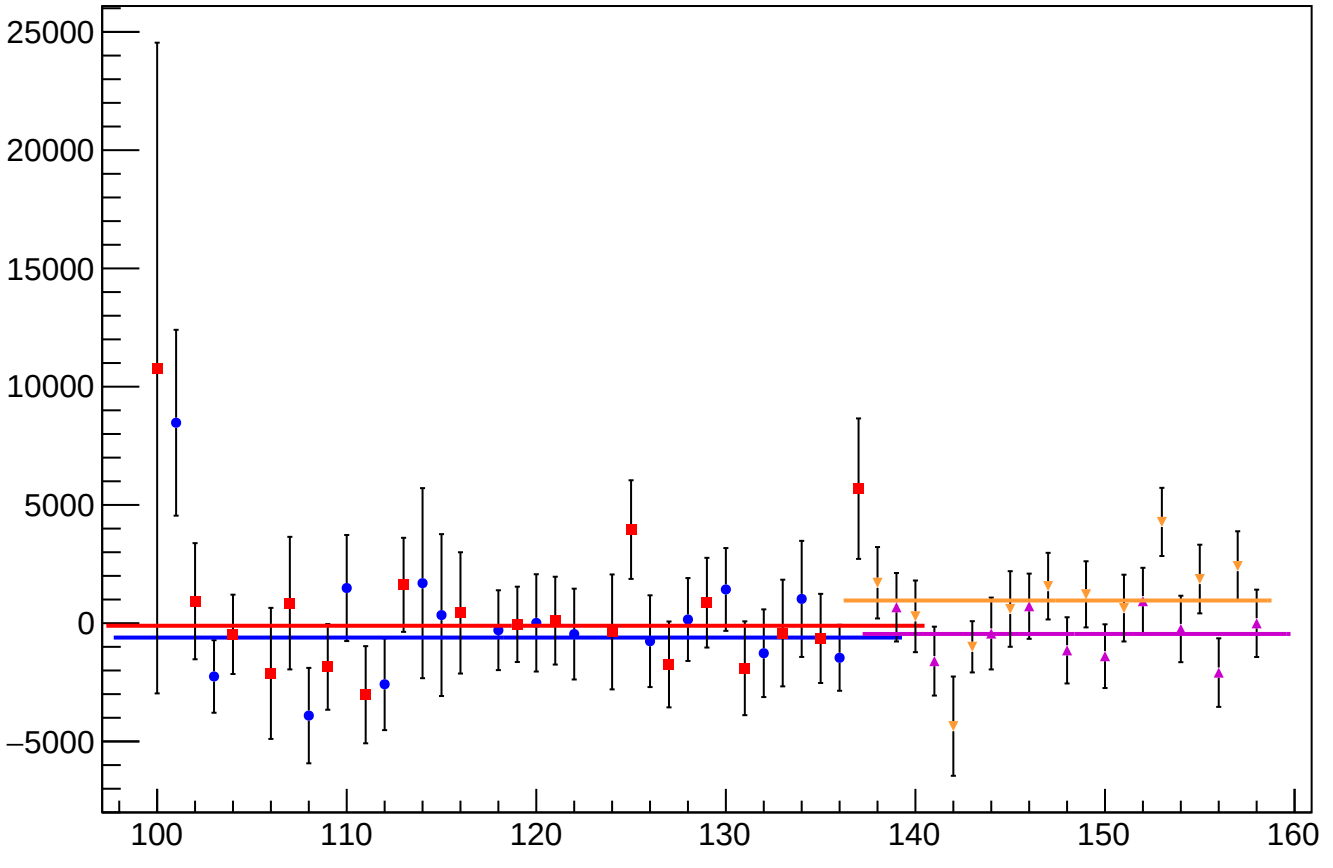
Left: 3897.706+/-0.679 χ^2/NDF: 1580337.4/20

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3801.752+/-0.686 χ^2/NDF:998981.7/25

Out: 3425.682+/-0.624 χ^2/NDF:1995754.6/29

All: 3596.207+/-0.462 χ^2/NDF: 3159181.9/55



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.321+/-435.287 χ^2/NDF:17.1/10

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -455.385+/-449.549 χ^2/NDF:5.0/9

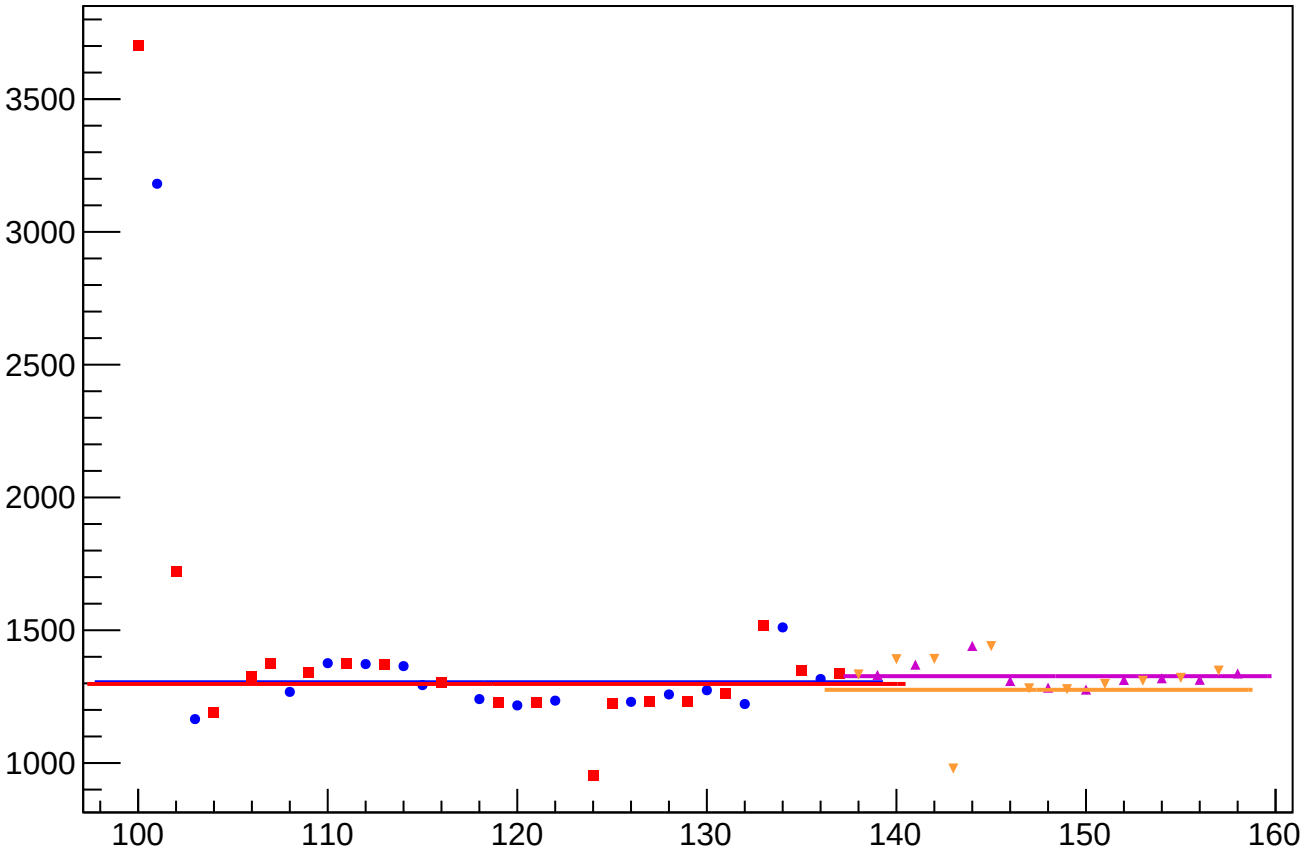
Left: 274.764+/-312.715 χ^2/NDF: 27.3/20

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -524.416+/-332.541 χ^2/NDF:19.2/25

Out: 483.473+/-324.113 χ^2/NDF:34.7/29

All: -7.538+/-232.105 χ^2/NDF: 58.6/55



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1275.711+/-0.308 χ^2/NDF:199772.7/10

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

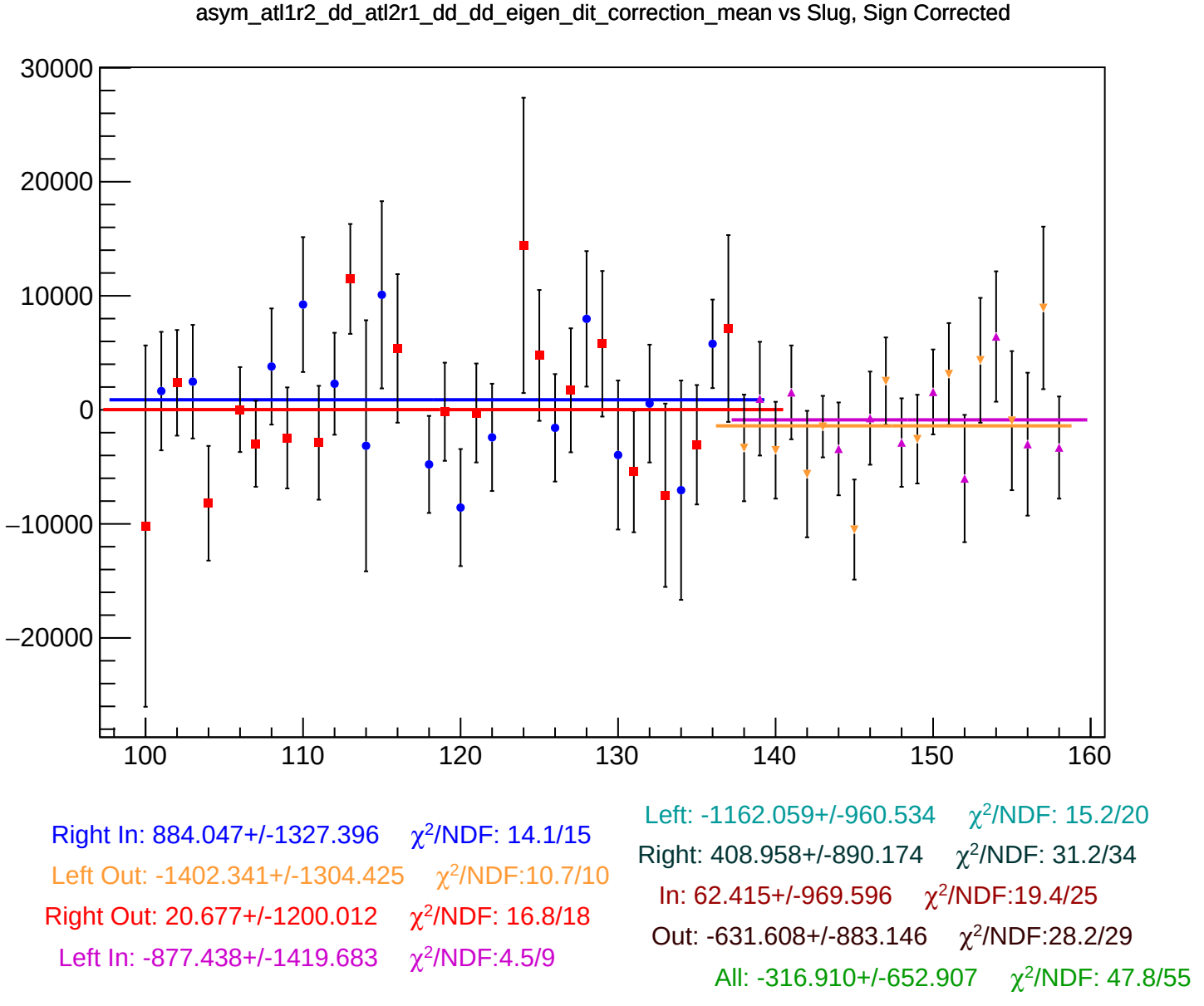
Left: 1300.559+/-0.221 χ^2/NDF: 231908.1/20

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

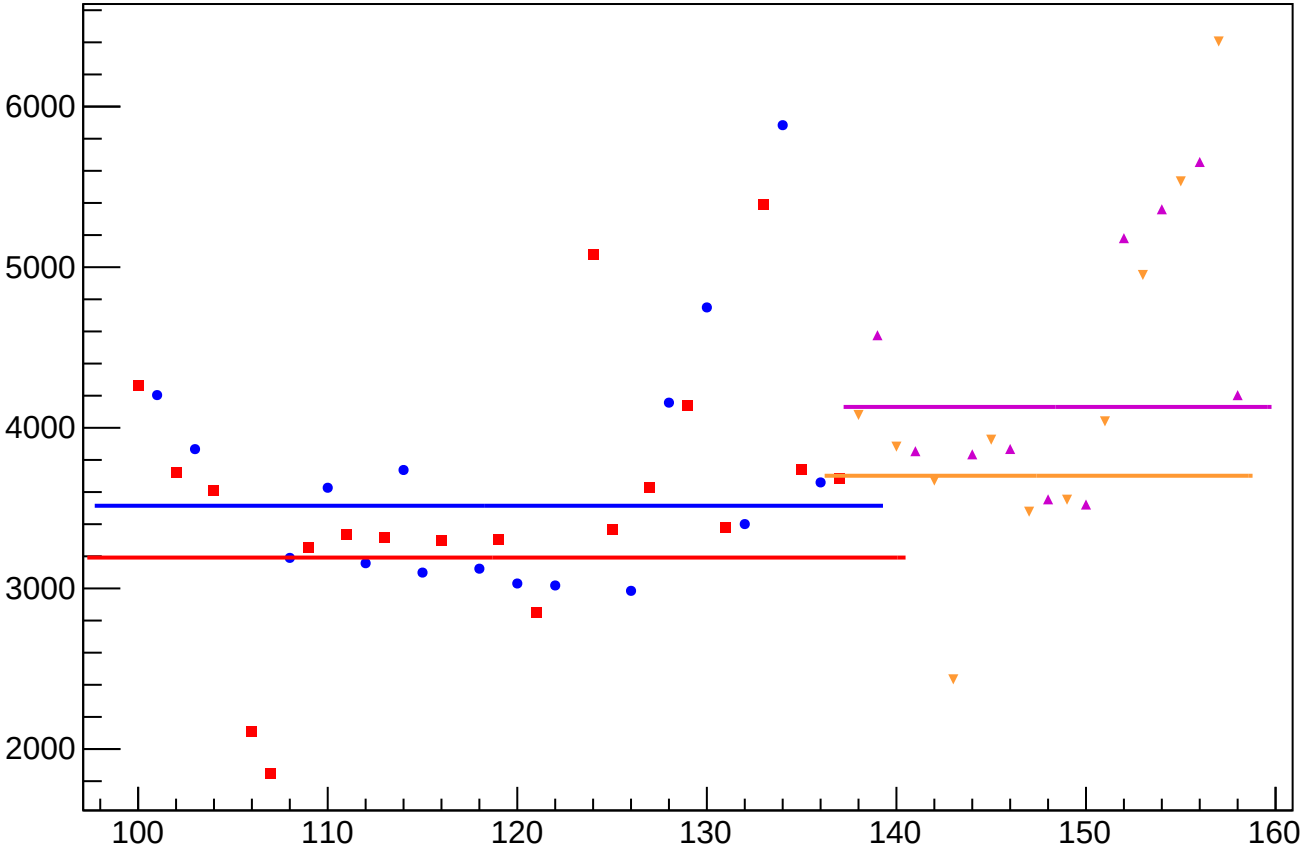
In: 1316.665+/-0.235 χ^2/NDF:531618.9/25

Out: 1285.560+/-0.229 χ^2/NDF:415165.6/29

All: 1300.708+/-0.164 χ^2/NDF: 955761.5/55


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -1402.341+/-1304.425 χ²/NDF:10.7/10
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -877.438+/-1419.683 χ²/NDF:4.5/9
Left: -1162.059+/-960.534 χ²/NDF: 15.2/20
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 62.415+/-969.596 χ²/NDF:19.4/25
Out: -631.608+/-883.146 χ²/NDF:28.2/29
All: -316.910+/-652.907 χ²/NDF: 47.8/55

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3701.561+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

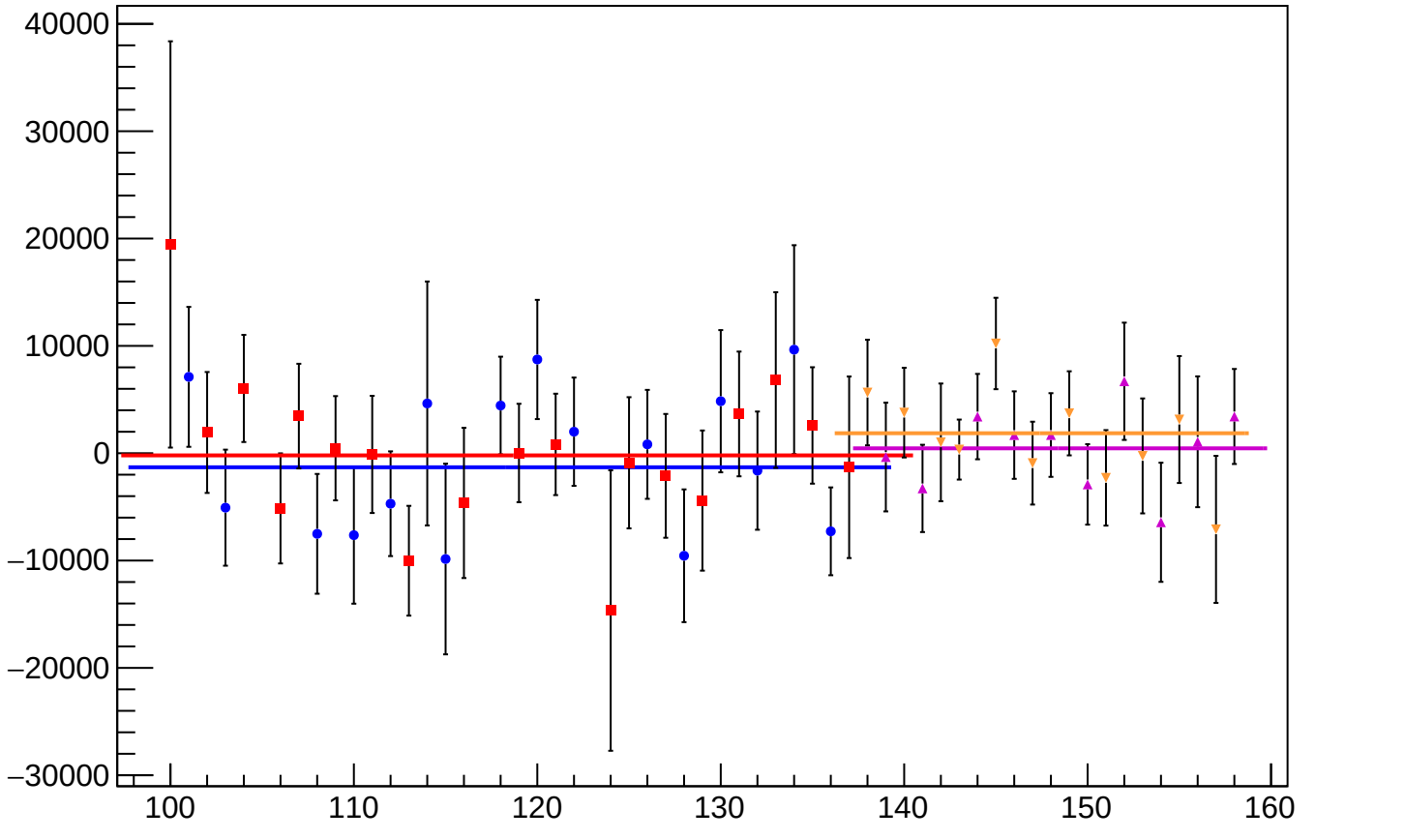
Left: 3897.711+/-0.679 χ^2/NDF: 1580337.8/20

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3801.748+/-0.686 χ^2/NDF:998996.0/25

Out: 3425.679+/-0.624 χ^2/NDF:1995765.3/29

All: 3596.204+/-0.462 χ^2/NDF: 3159206.6/55



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1863.162+/-1310.041 χ^2/NDF:8.5/10

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 454.679+/-1408.822 χ^2/NDF:5.7/9

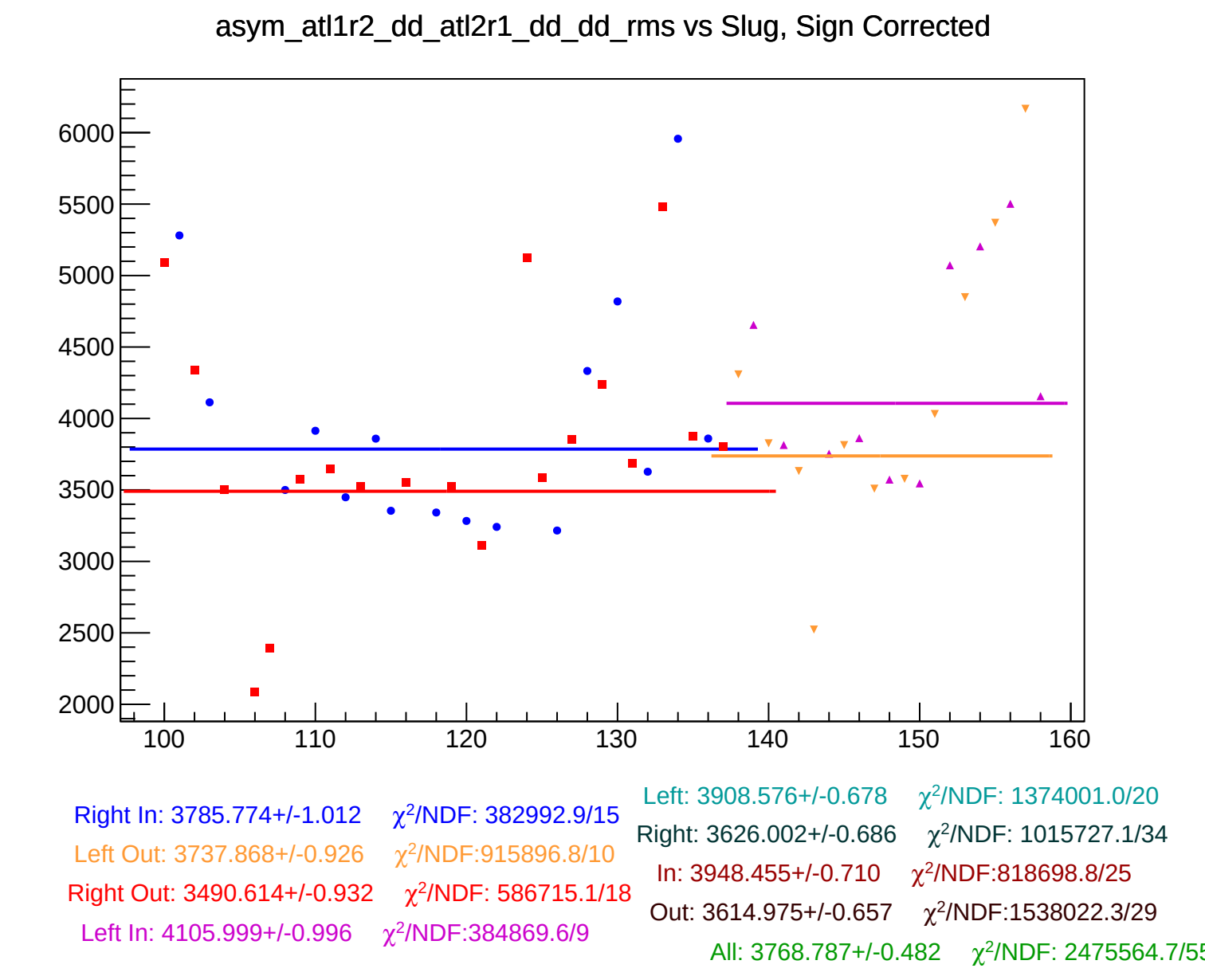
Left: 1210.026+/-959.362 χ^2/NDF: 14.8/20

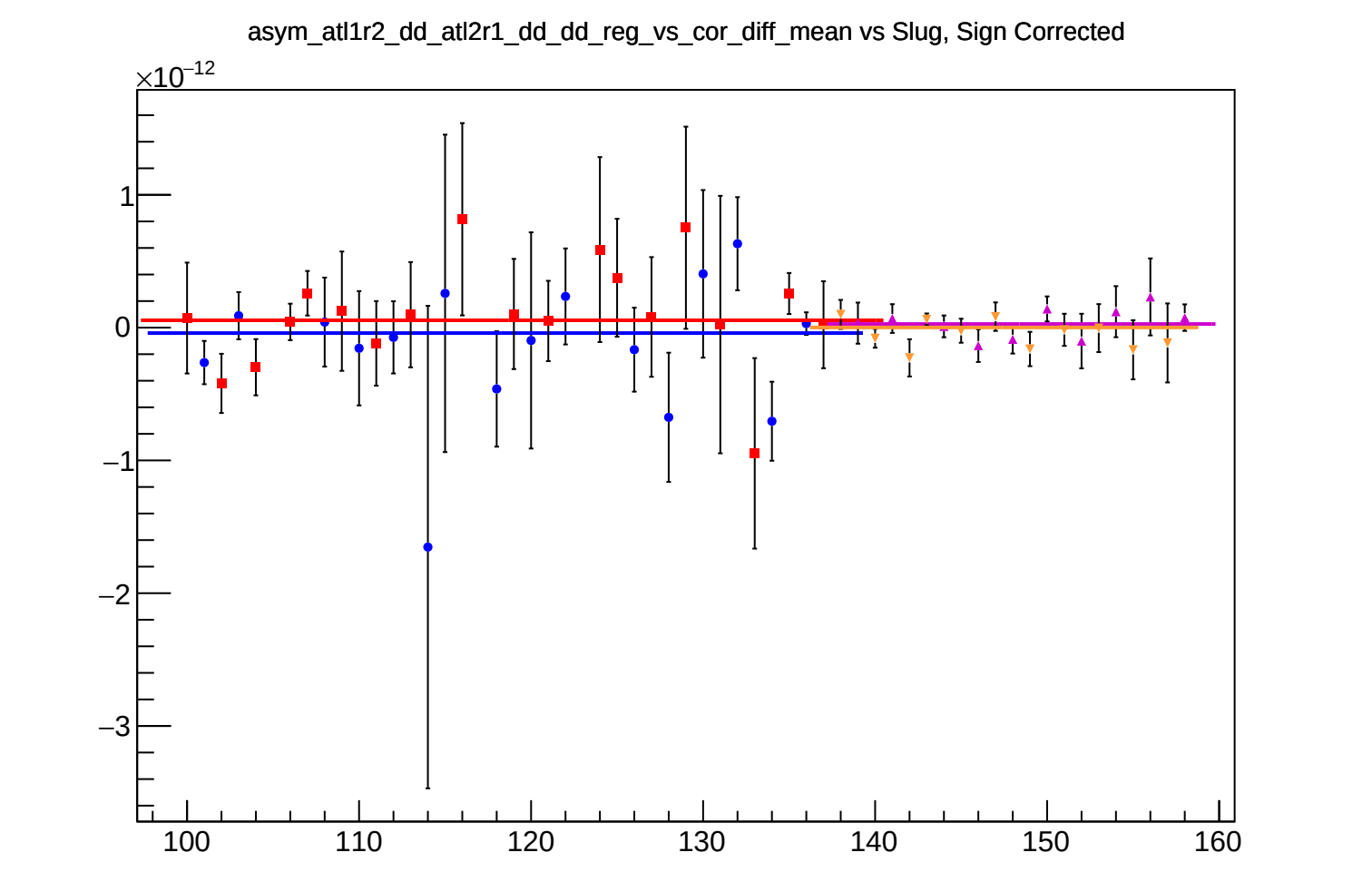
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -413.176+/-1004.152 χ^2/NDF:24.1/25

Out: 851.087+/-935.403 χ^2/NDF:21.4/29

All: 263.712+/-684.445 χ^2/NDF: 46.3/55


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3785.774+/-1.012 χ²/NDF: 382992.9/15
Left Out: 3737.868+/-0.926 χ²/NDF:915896.8/10
Right Out: 3490.614+/-0.932 χ²/NDF: 586715.1/18
Left In: 4105.999+/-0.996 χ²/NDF:384869.6/9
Left: 3908.576+/-0.678 χ²/NDF: 1374001.0/20
Right: 3626.002+/-0.686 χ²/NDF: 1015727.1/34
In: 3948.455+/-0.710 χ²/NDF:818698.8/25
Out: 3614.975+/-0.657 χ²/NDF:1538022.3/29
All: 3768.787+/-0.482 χ²/NDF: 2475564.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

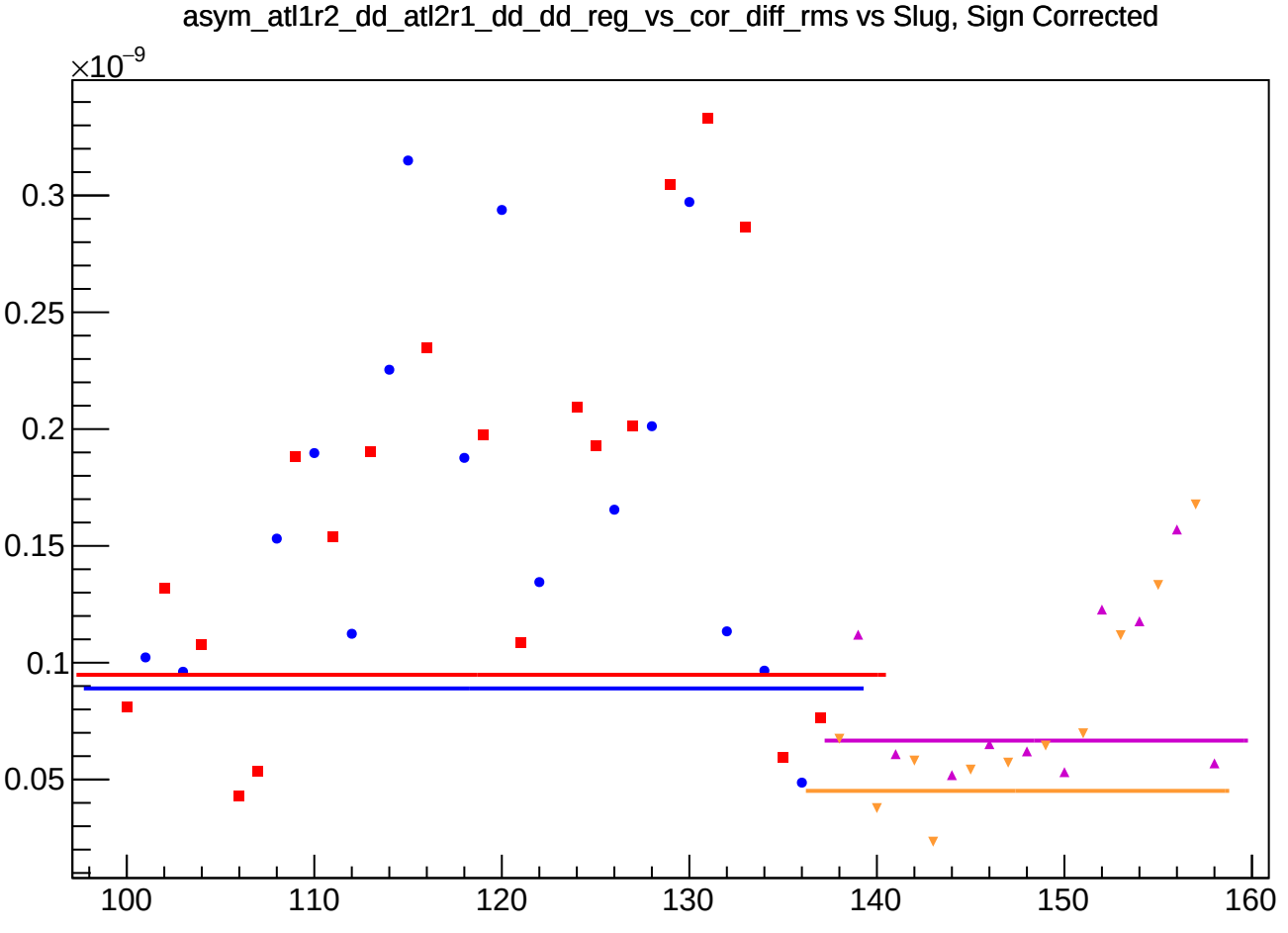
Left: 0.000+/-0.000 χ^2/NDF: 15.9/20

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:23.5/25

Out: 0.000+/-0.000 χ^2/NDF:26.2/29

All: 0.000+/-0.000 χ^2/NDF: 49.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710752.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

Left: 0.000+/-0.000 χ^2/NDF: 2918867.1/20

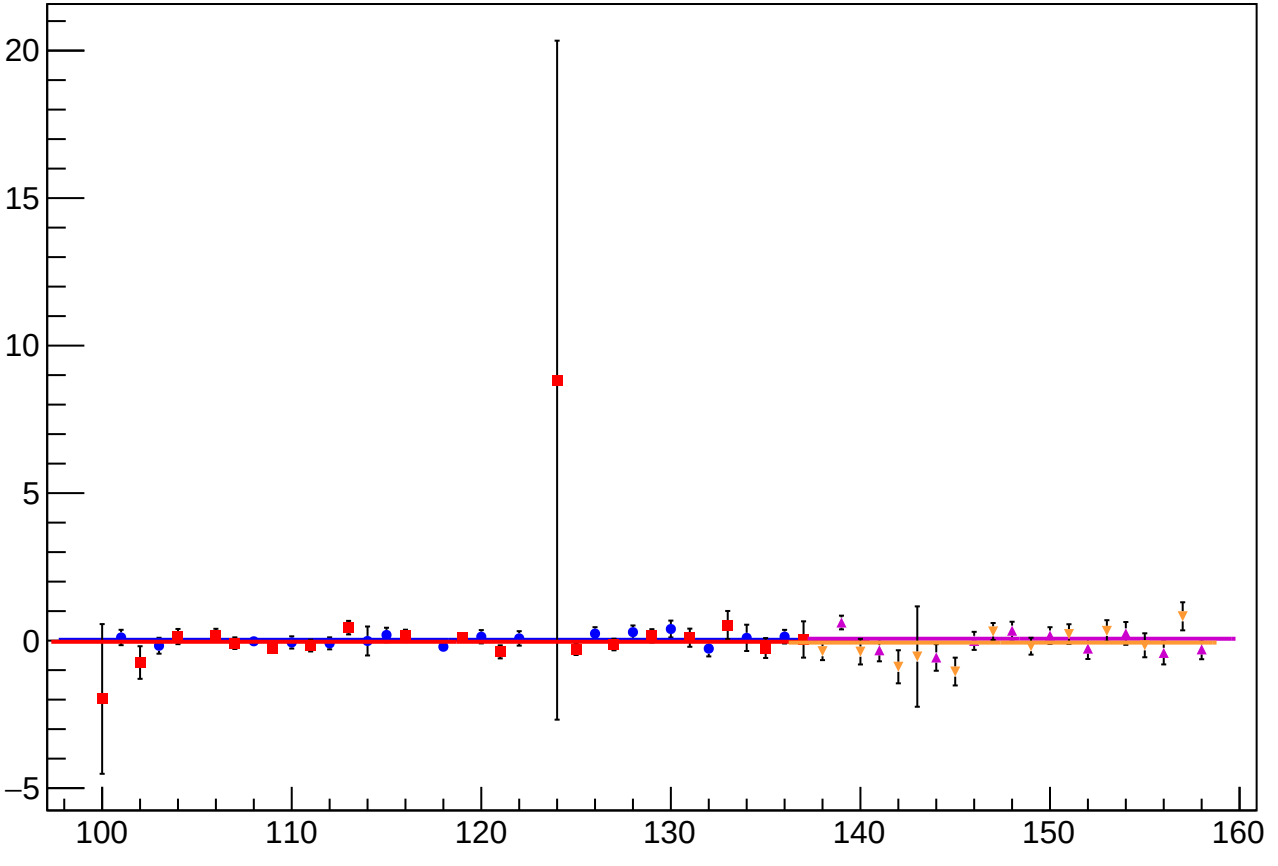
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2455064.9/25

Out: 0.000+/-0.000 χ^2/NDF:4454175.5/29

All: 0.000+/-0.000 χ^2/NDF: 7380104.0/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

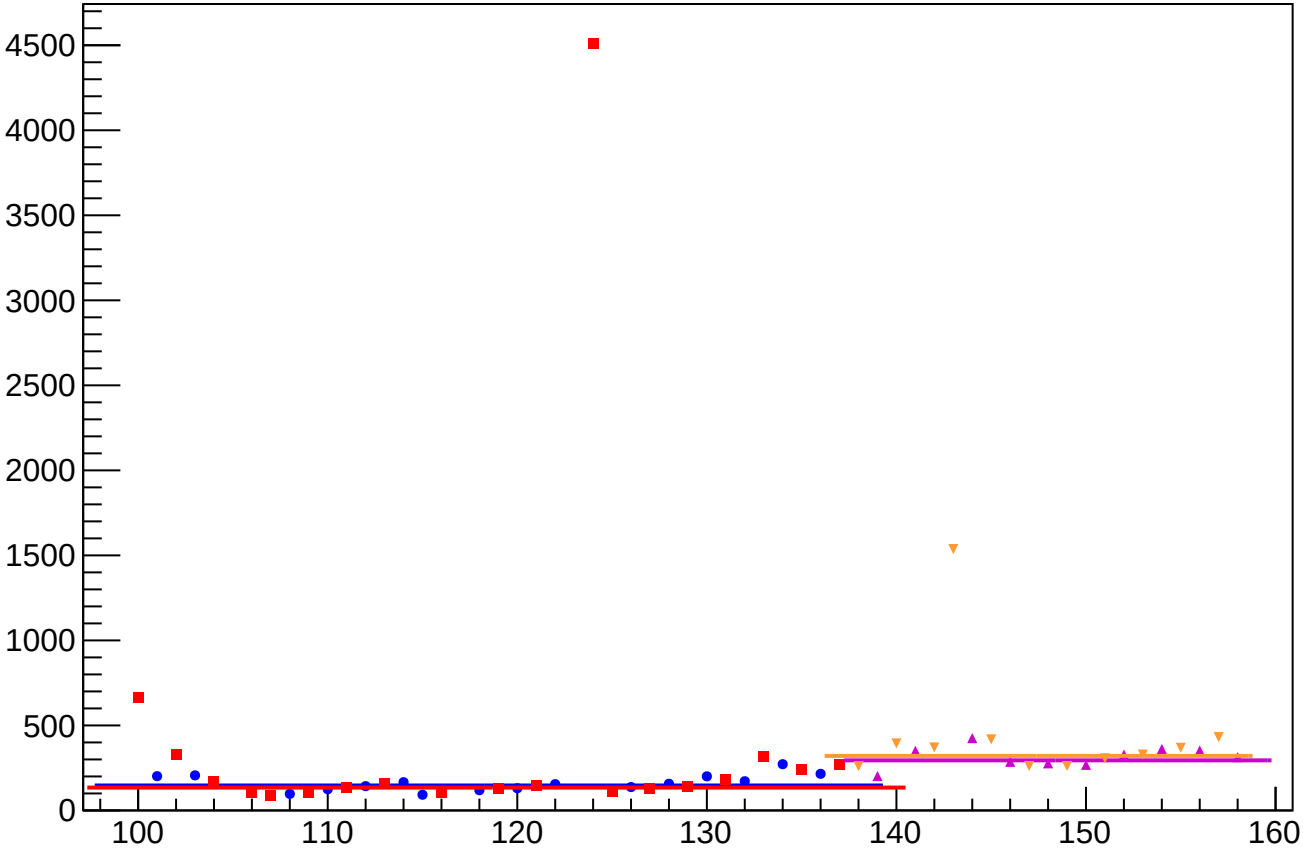
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

Left: 306.328+/-0.054 χ^2/NDF: 2312574.3/20

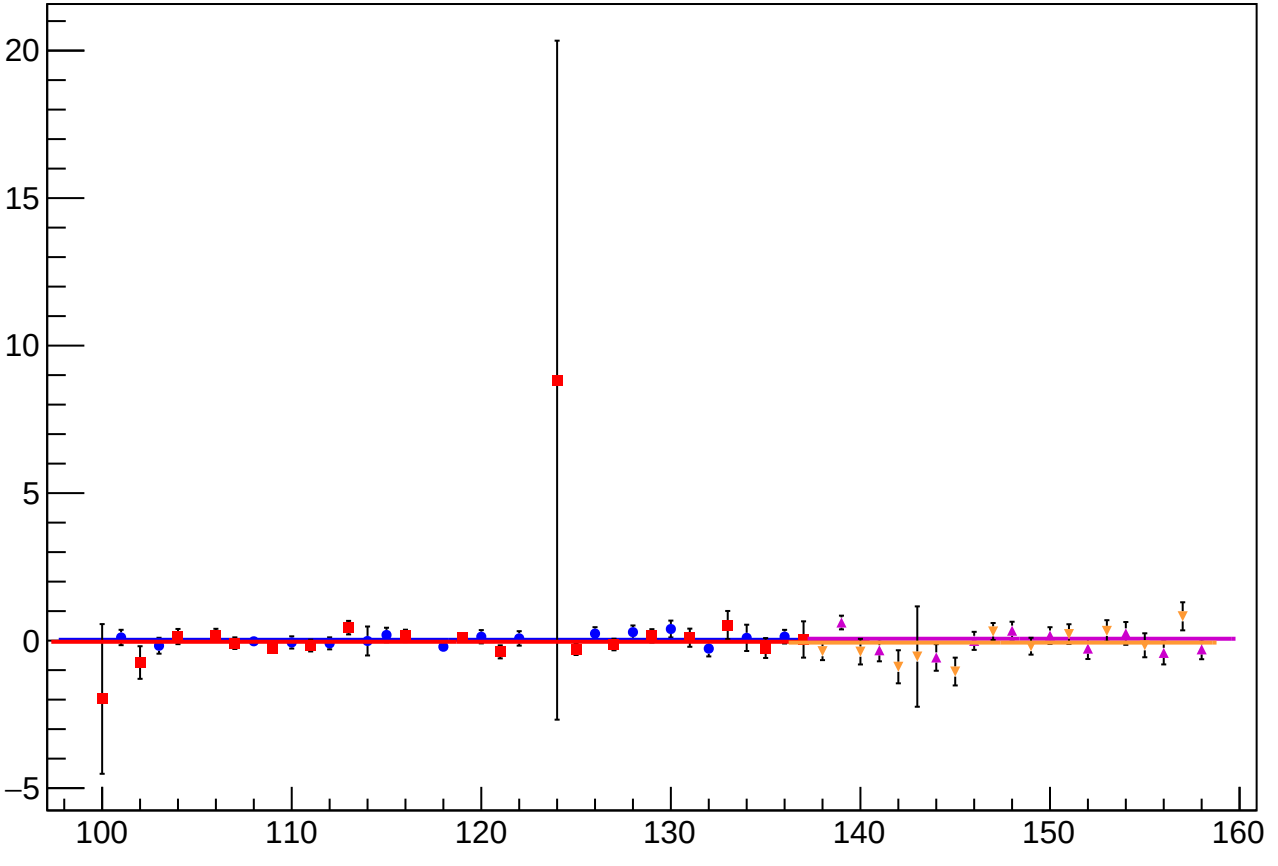
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 168.949+/-0.035 χ^2/NDF:7457947.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

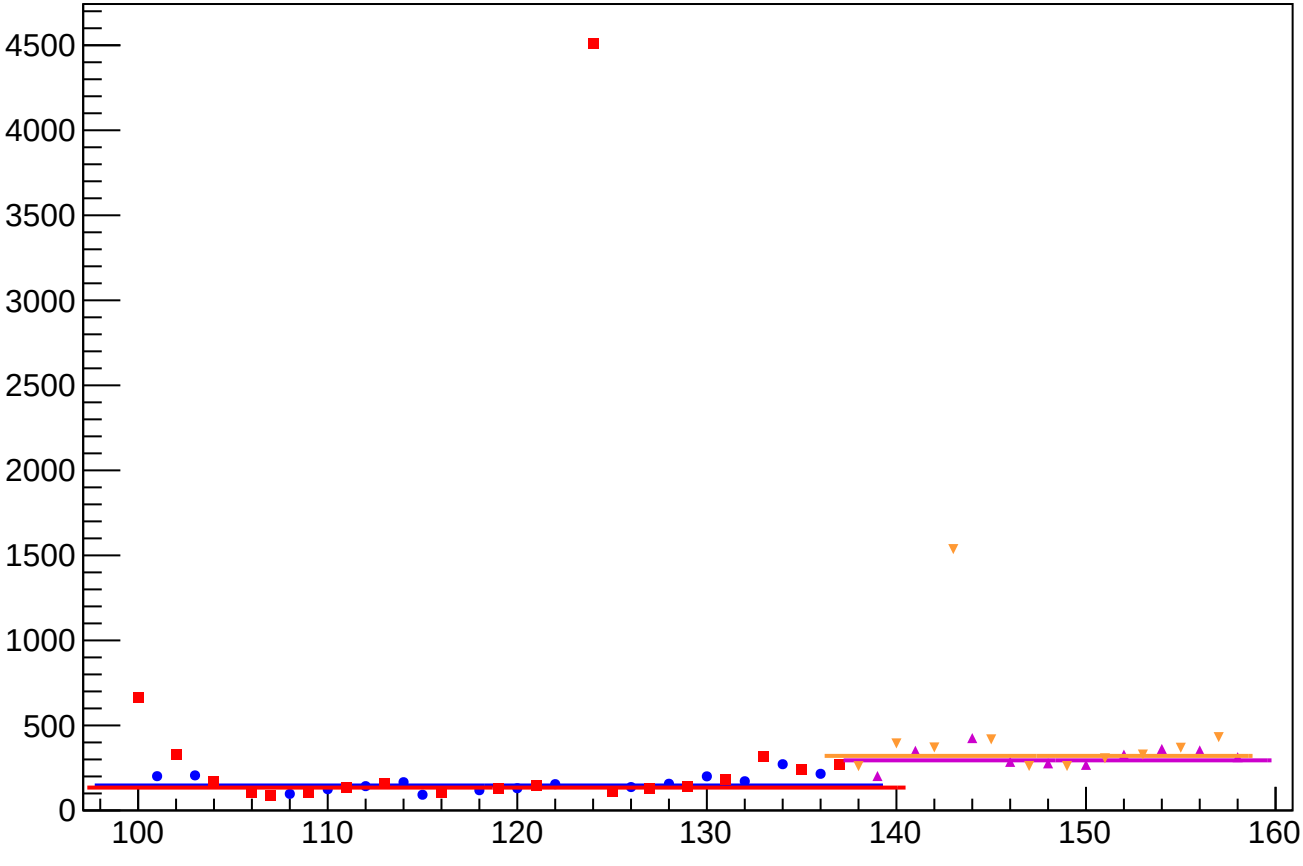
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

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: 320.937+/-0.081 χ^2/NDF:1571537.4/10

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

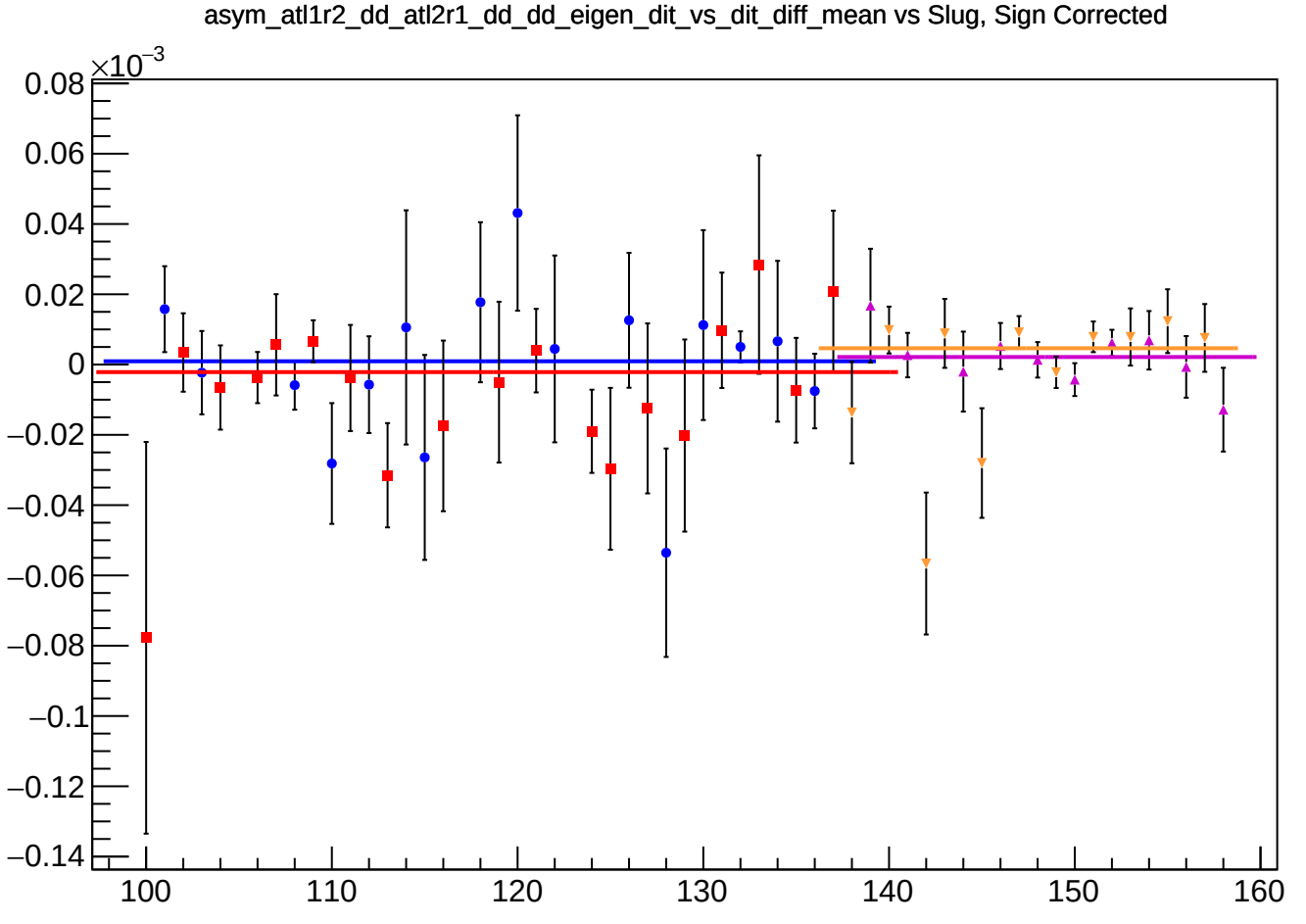
Left: 306.328+/-0.054 χ^2/NDF: 2312574.3/20

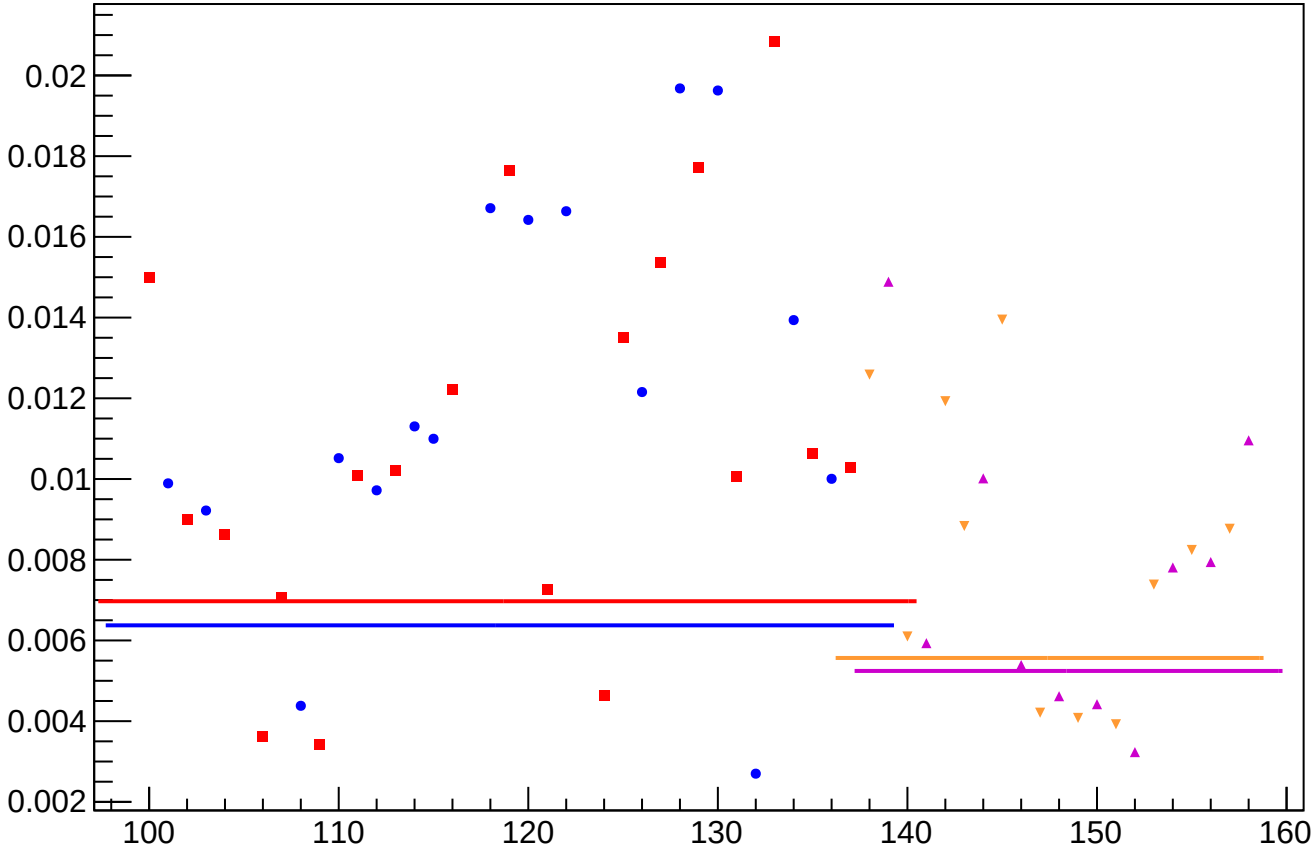
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 182.256+/-0.036 χ^2/NDF:4827894.7/25

Out: 168.949+/-0.035 χ^2/NDF:7457947.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356979.2/55


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:20.8/10
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:6.3/9
Left: 0.000+/-0.000 χ²/NDF: 27.8/20
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:21.2/25
Out: 0.000+/-0.000 χ²/NDF:40.3/29
All: 0.000+/-0.000 χ²/NDF: 61.6/55



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:2653767.7/10

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

Left: 0.005+/-0.000 χ^2/NDF: 5276555.0/20

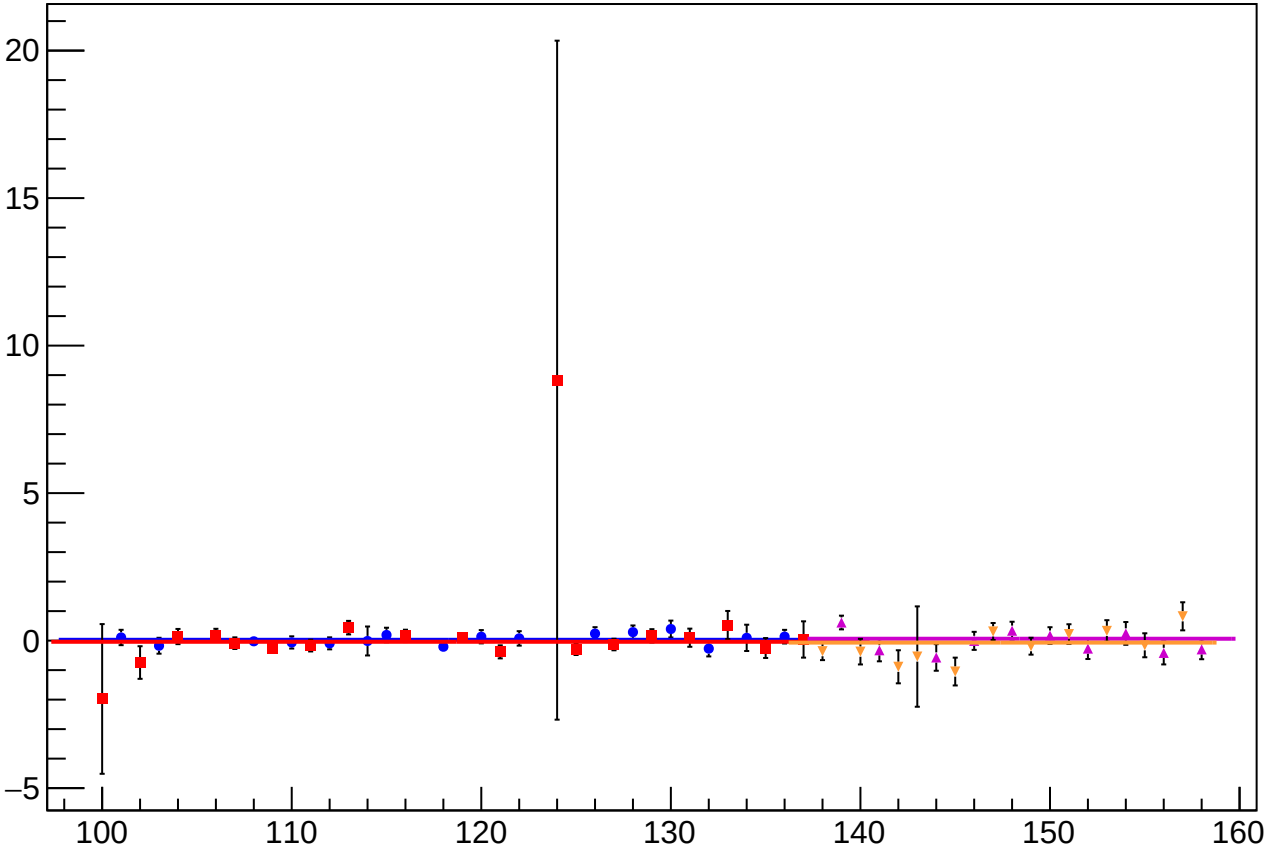
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7441049.1/25

Out: 0.006+/-0.000 χ^2/NDF:6358575.8/29

All: 0.006+/-0.000 χ^2/NDF: 13860907.8/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

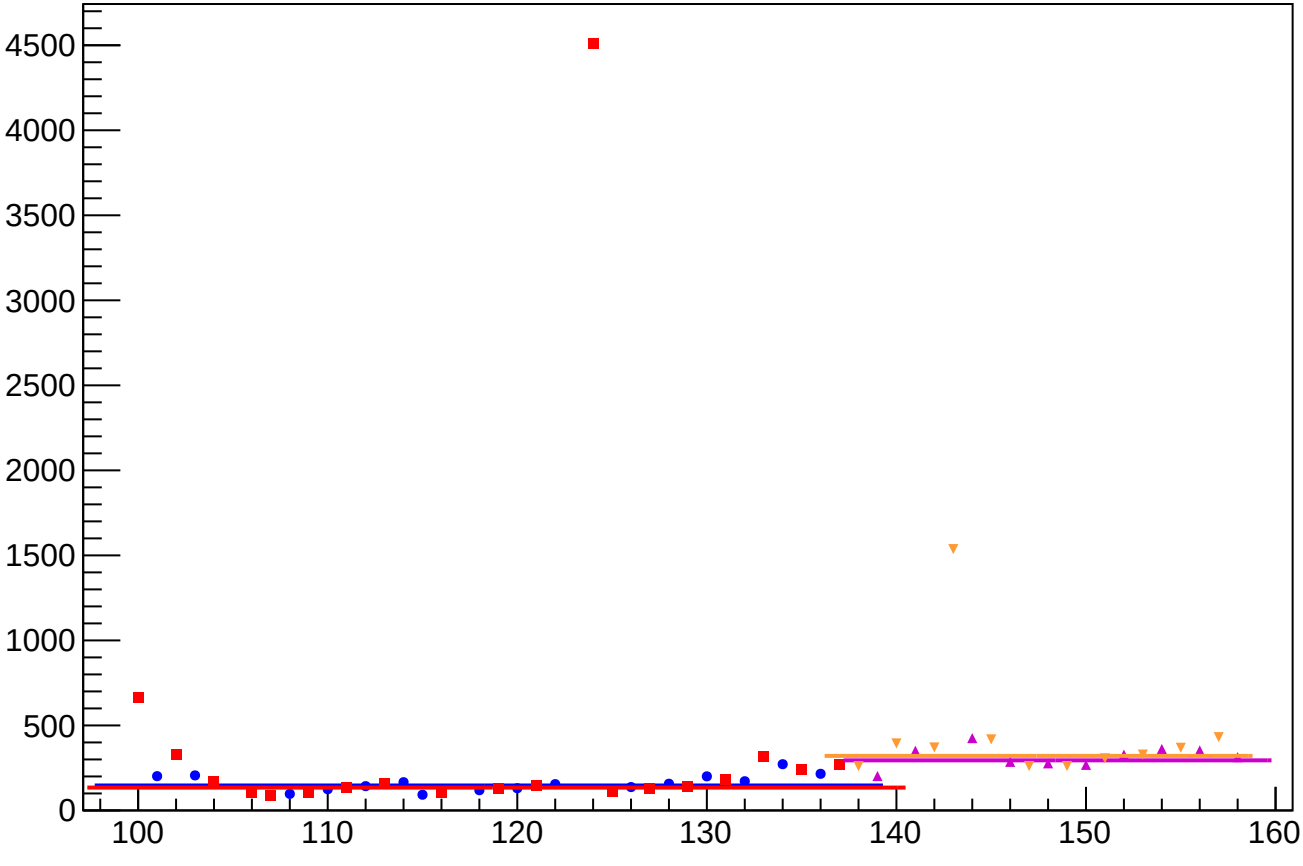
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

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: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

Left: 306.332+/-0.054 χ^2/NDF: 2312554.5/20

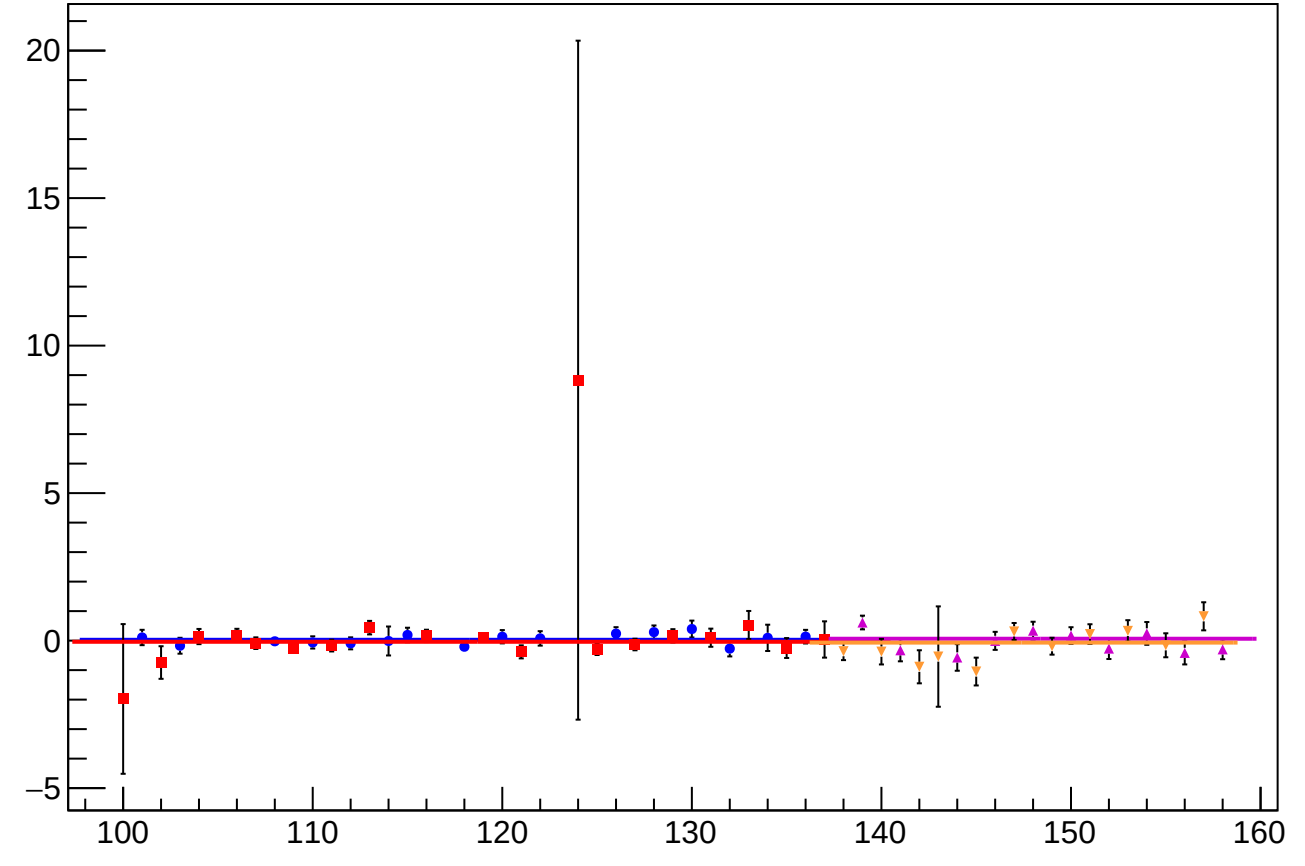
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 168.951+/-0.035 χ^2/NDF:7457894.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55

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: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.064+/-0.103 χ^2/NDF:13.4/9

Left: 0.006+/-0.077 χ^2/NDF: 29.5/20

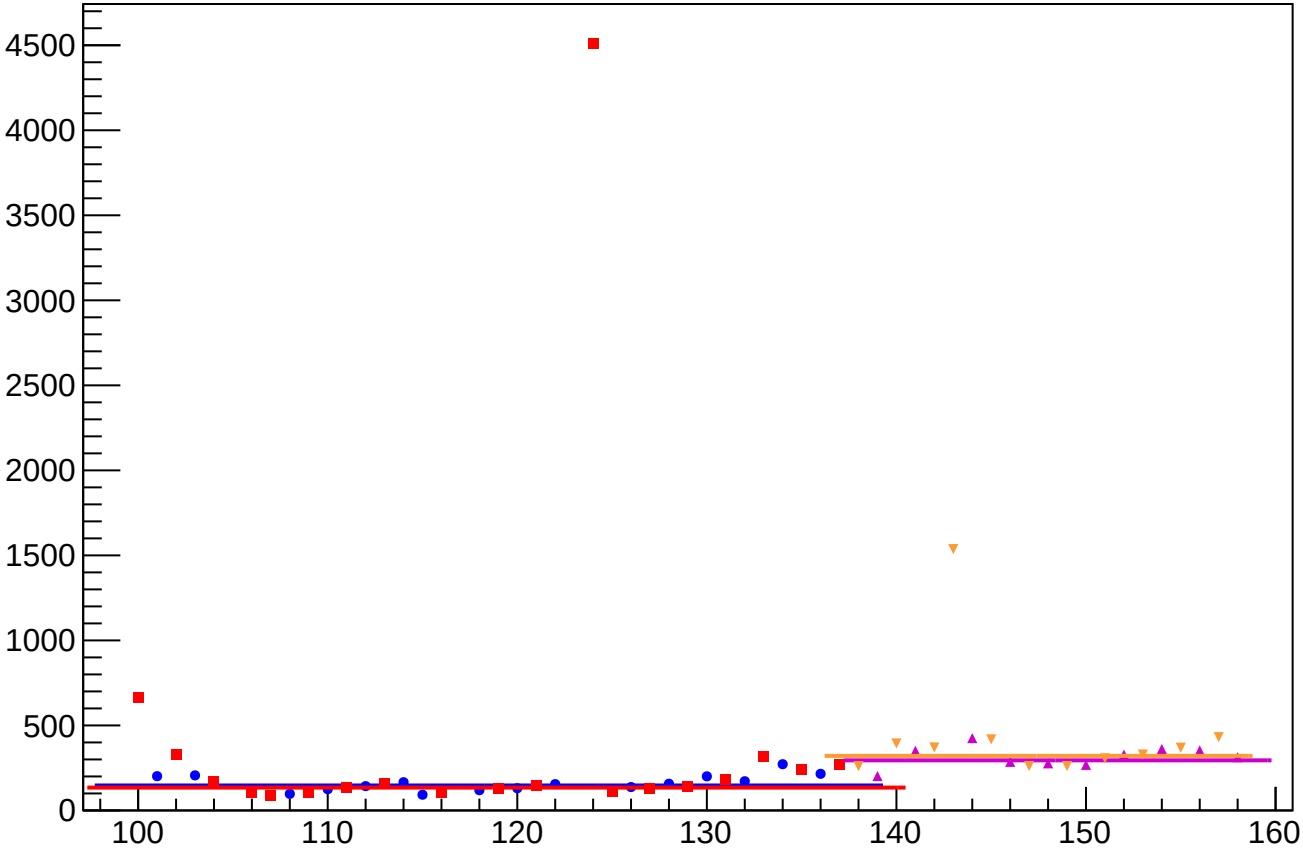
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.036+/-0.050 χ^2/NDF:23.0/25

Out: -0.044+/-0.049 χ^2/NDF:35.4/29

All: -0.005+/-0.035 χ^2/NDF: 59.7/55

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: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

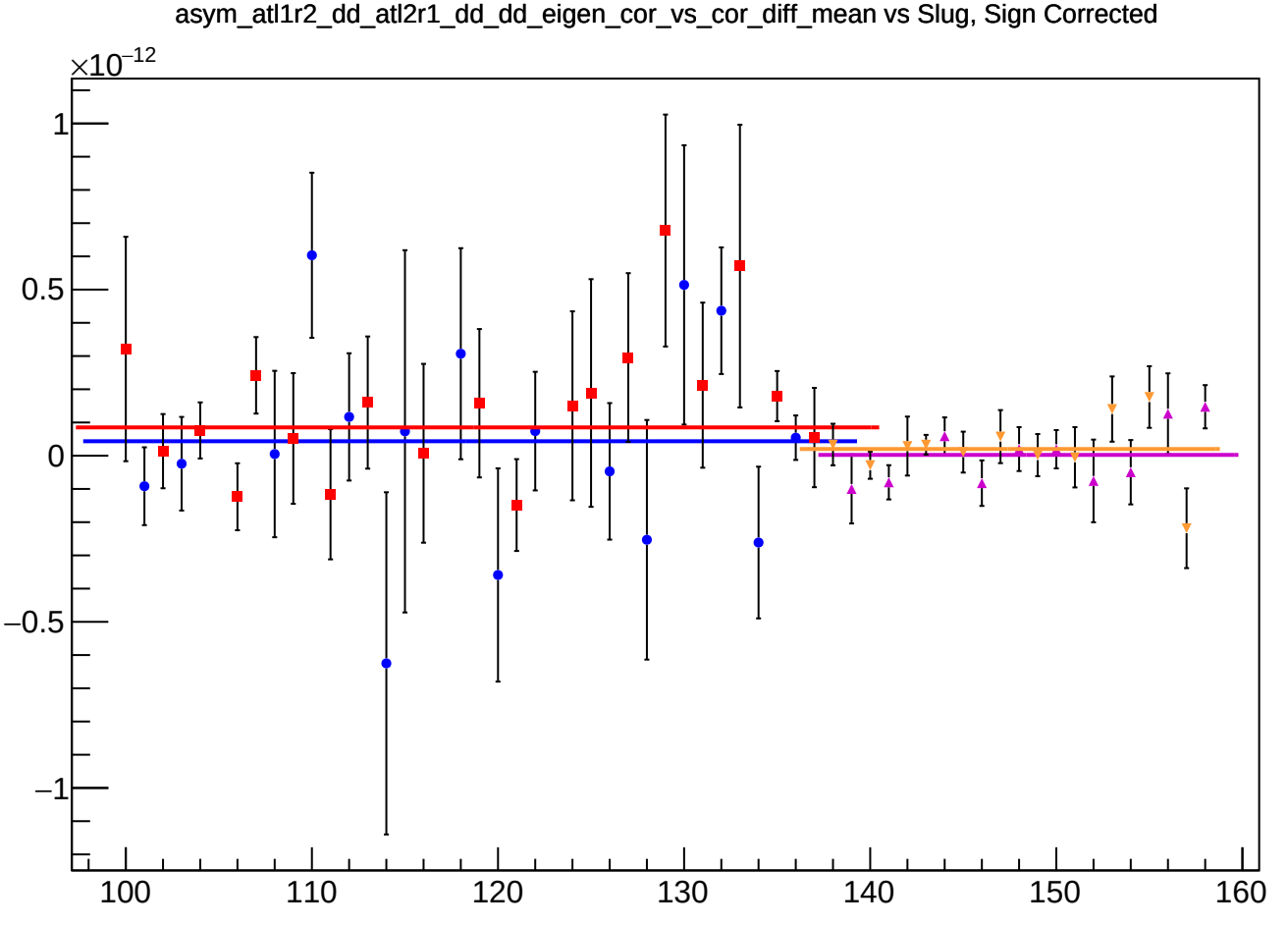
Left: 306.332+/-0.054 χ^2/NDF: 2312554.5/20

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 182.256+/-0.036 χ^2/NDF:4827933.8/25

Out: 168.951+/-0.035 χ^2/NDF:7457894.5/29

All: 175.489+/-0.025 χ^2/NDF: 12356950.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/9

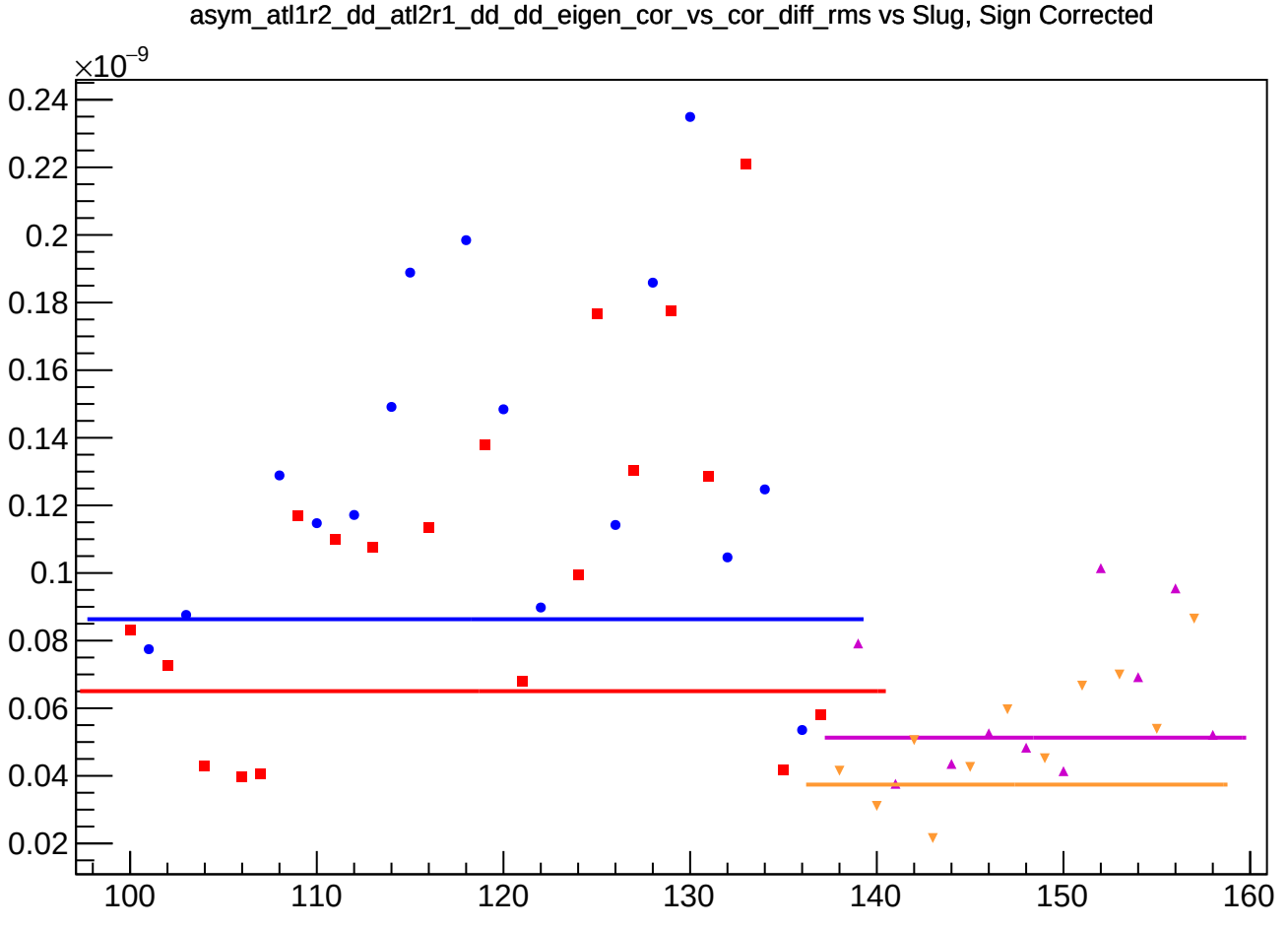
Left: 0.000+/-0.000 χ^2/NDF: 23.6/20

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:32.6/25

Out: 0.000+/-0.000 χ^2/NDF:31.4/29

All: 0.000+/-0.000 χ^2/NDF: 64.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696147.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

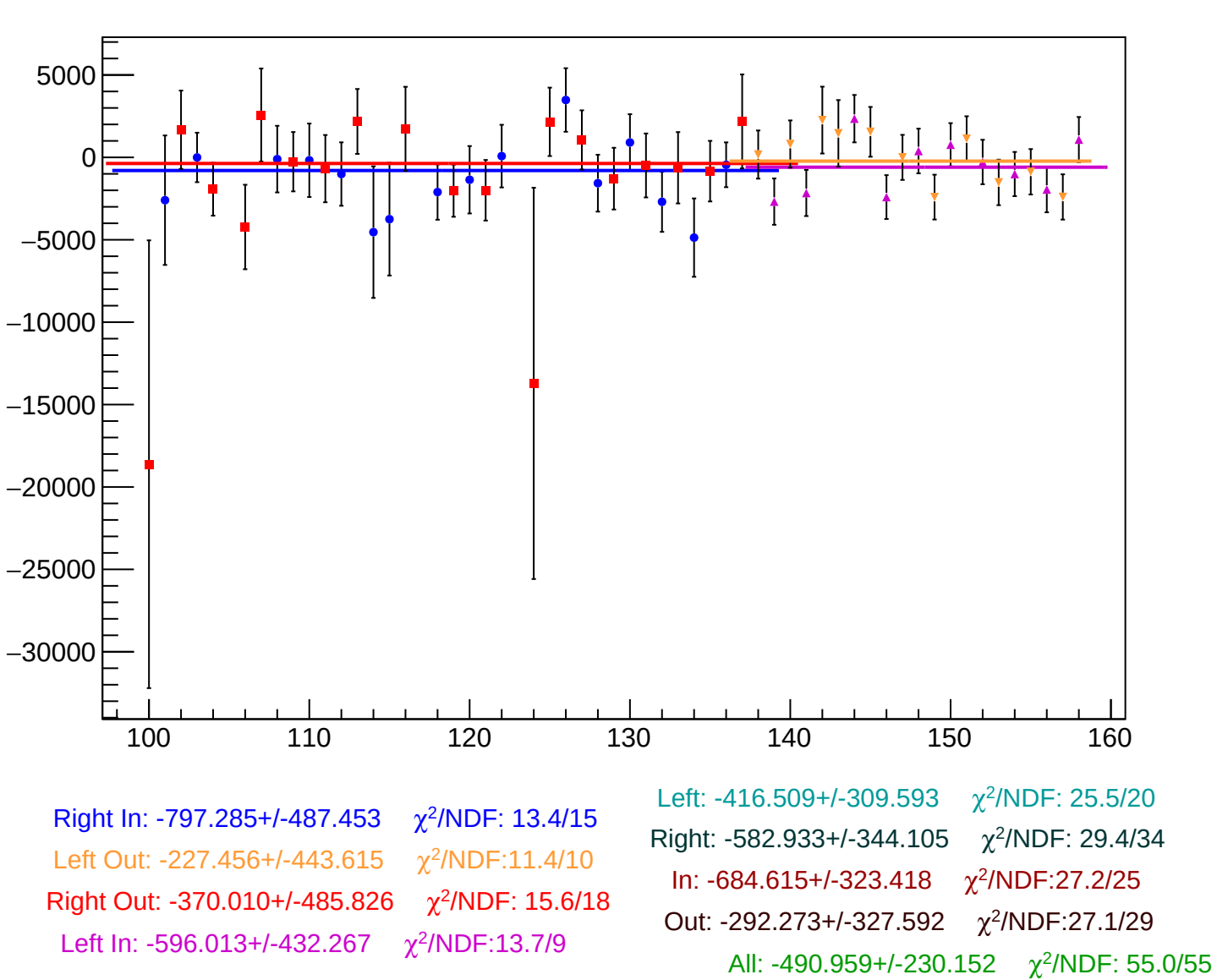
Left: 0.000+/-0.000 χ^2/NDF: 3214314.4/20

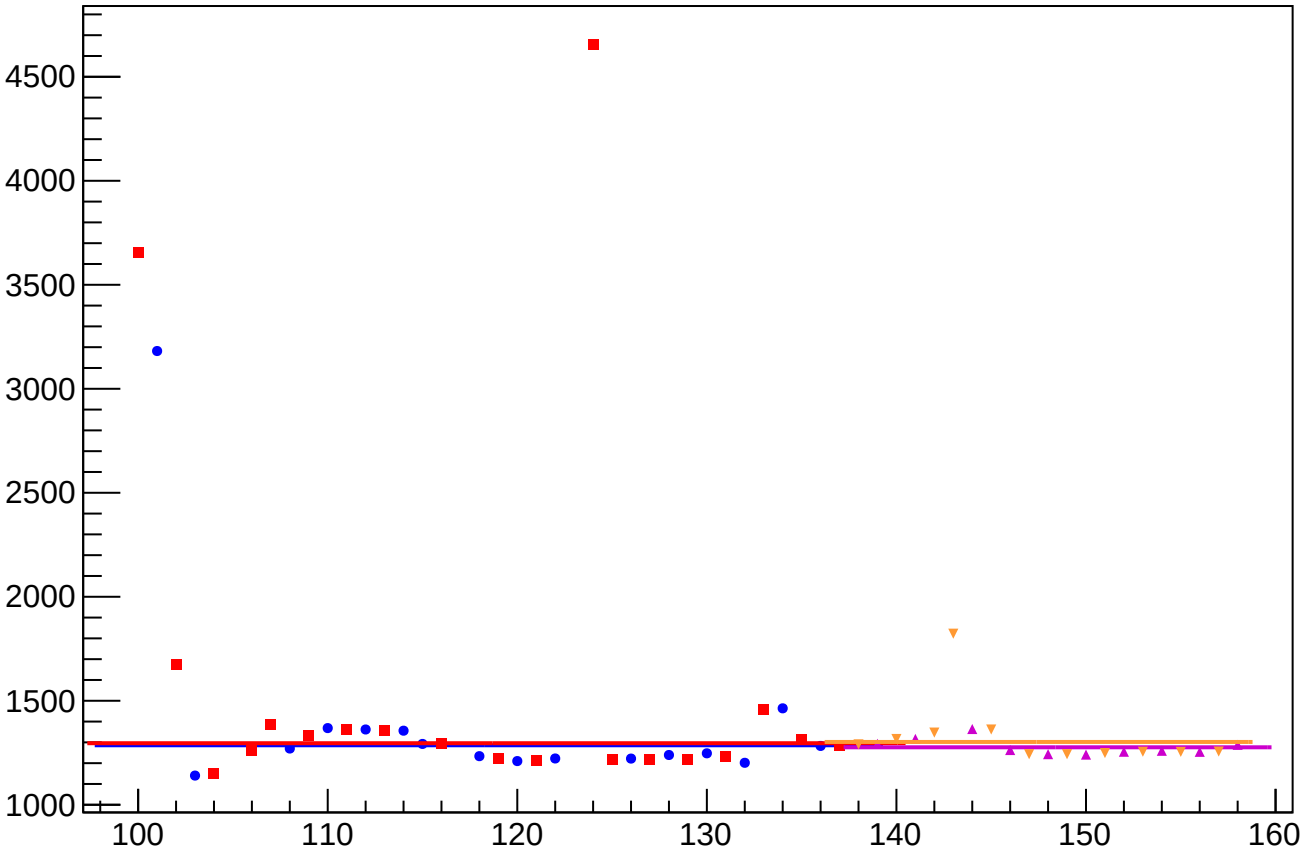
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3664712.7/25

Out: 0.000+/-0.000 χ^2/NDF:4884436.2/29

All: 0.000+/-0.000 χ^2/NDF: 9309610.2/55


reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: -227.456+/-443.615 χ²/NDF:11.4/10
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -596.013+/-432.267 χ²/NDF:13.7/9
Left: -416.509+/-309.593 χ²/NDF: 25.5/20
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -684.615+/-323.418 χ²/NDF:27.2/25
Out: -292.273+/-327.592 χ²/NDF:27.1/29
All: -490.959+/-230.152 χ²/NDF: 55.0/55



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1288.815+/-0.219 χ^2/NDF: 172251.7/20

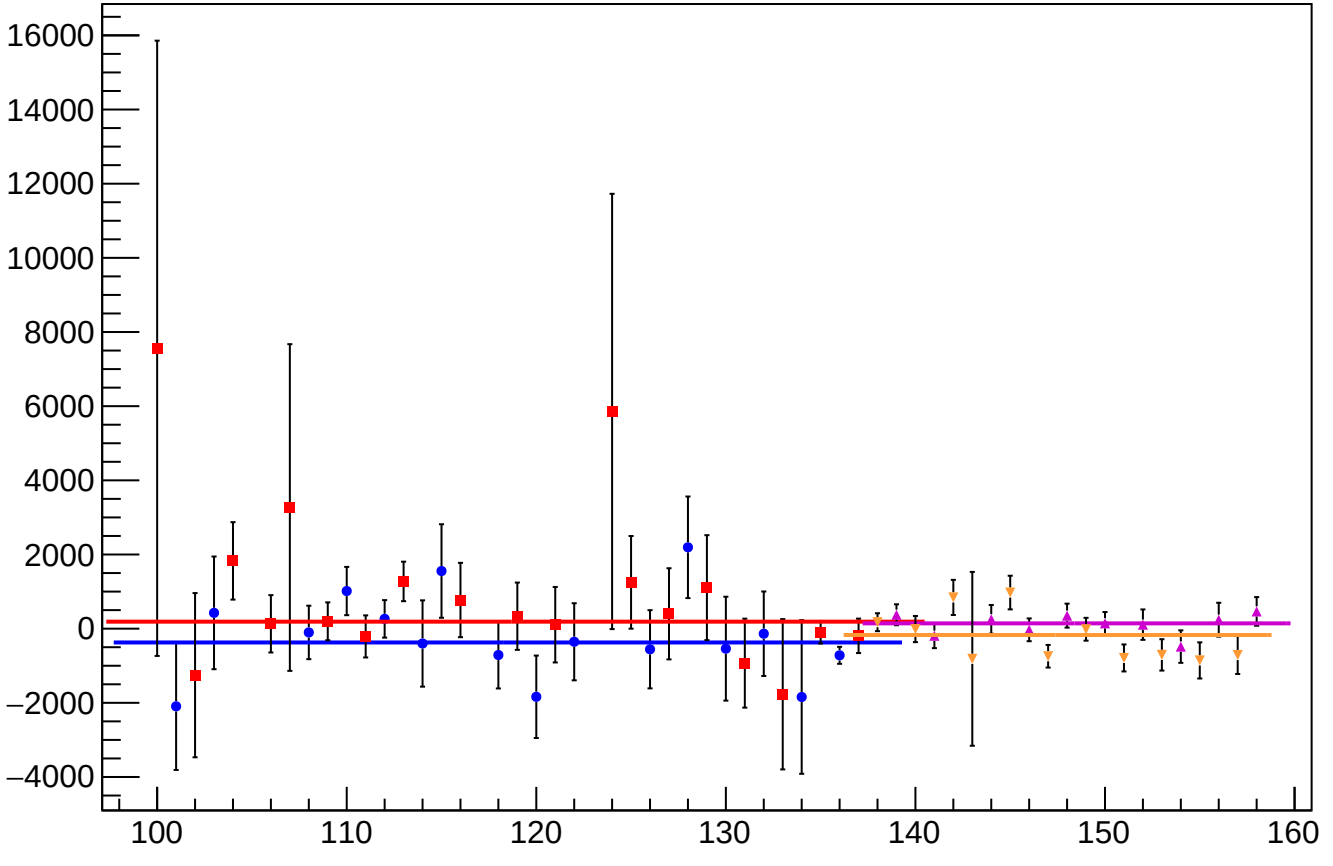
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1280.612+/-0.229 χ^2/NDF:532276.5/25

Out: 1299.244+/-0.232 χ^2/NDF:483351.3/29

All: 1289.809+/-0.163 χ^2/NDF: 1018903.9/55

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: -170.354+/-113.850 χ^2/NDF:24.6/10

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 143.110+/-110.579 χ^2/NDF:5.3/9

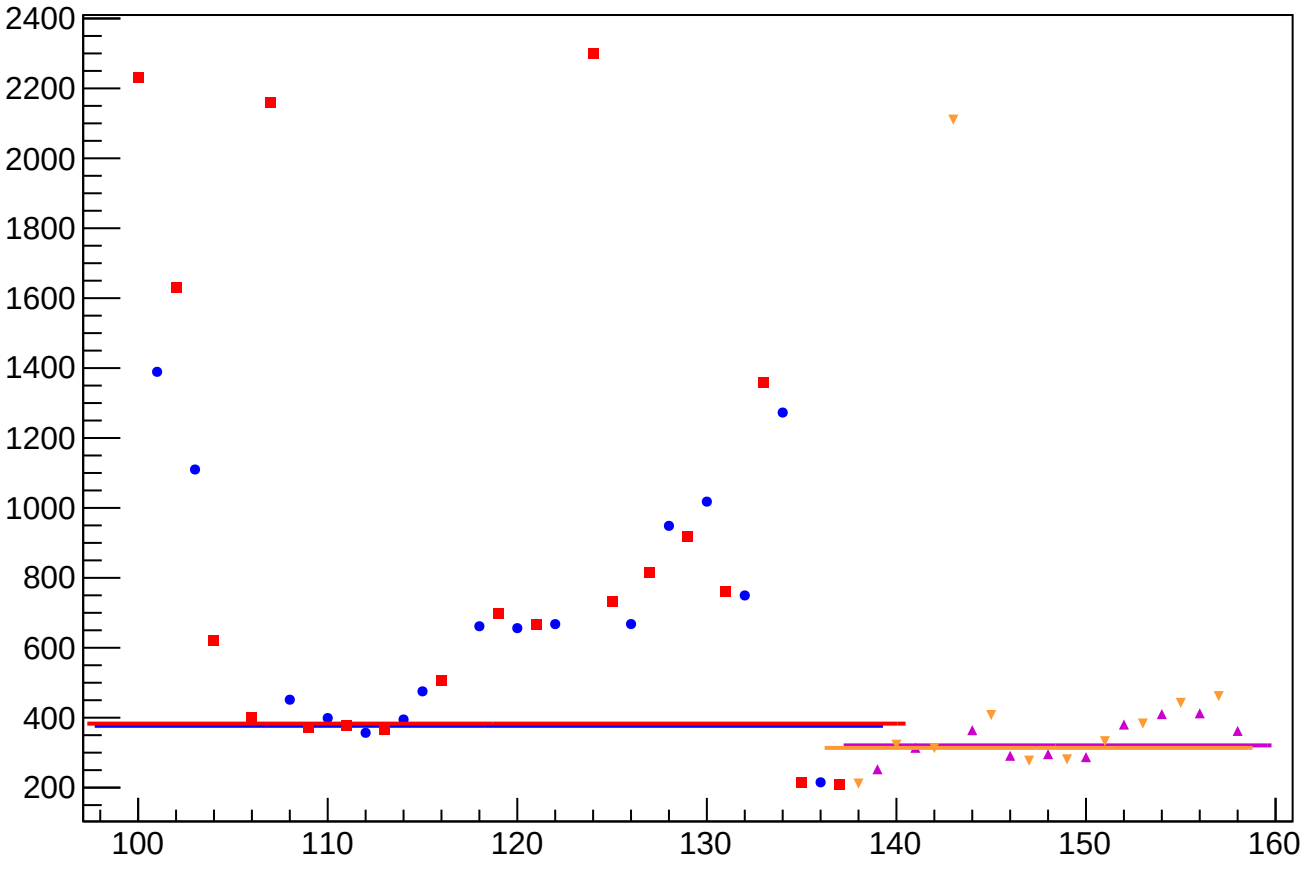
Left: -9.054+/-79.322 χ^2/NDF: 33.8/20

Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -12.432+/-92.400 χ^2/NDF:30.0/25

Out: -58.718+/-94.523 χ^2/NDF:42.4/29

All: -35.049+/-66.074 χ^2/NDF: 72.5/55



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 313.671+/-0.081 χ^2/NDF:2037953.1/10

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 320.794+/-0.078 χ^2/NDF:427716.1/9

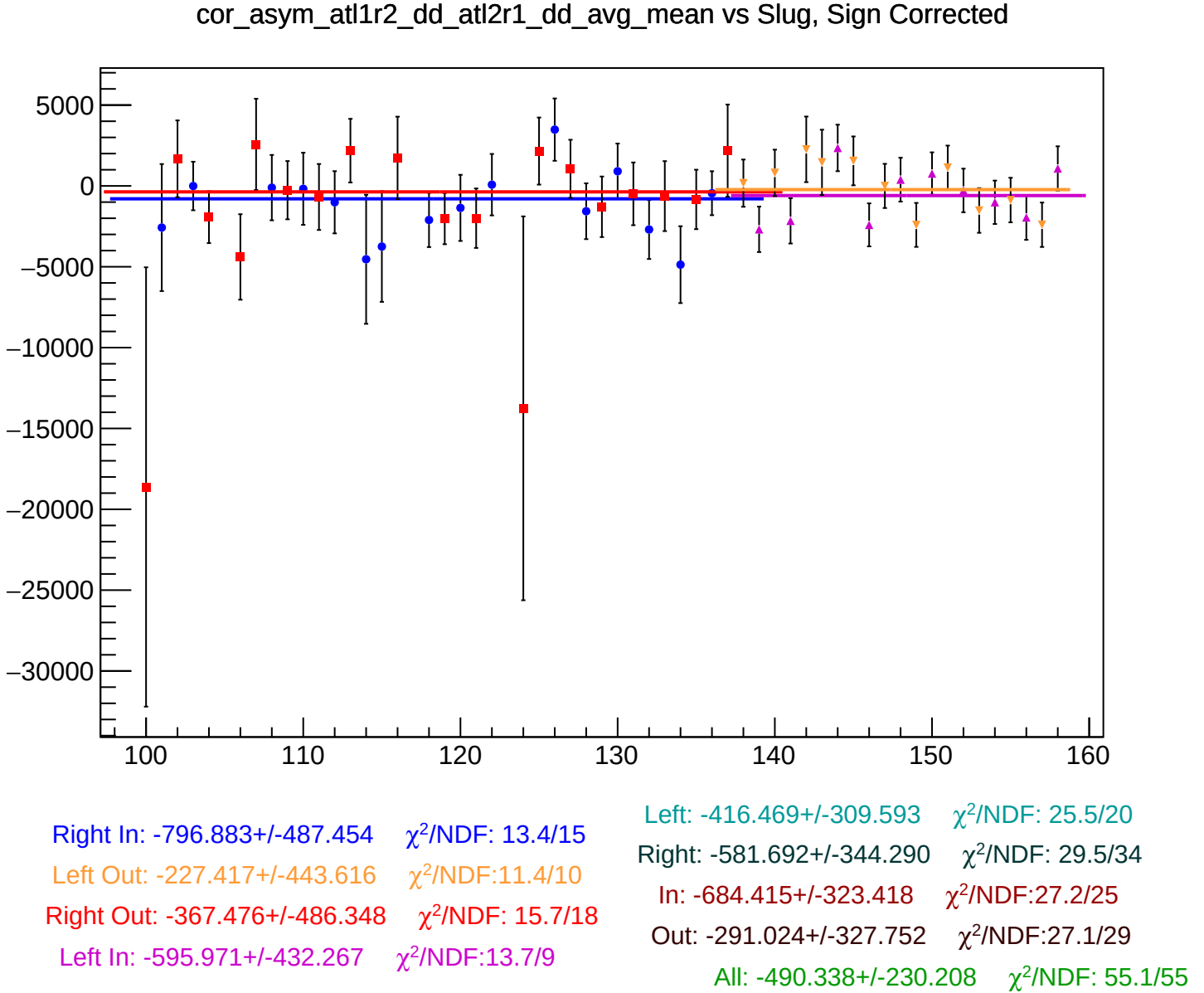
Left: 317.336+/-0.056 χ^2/NDF: 2469697.1/20

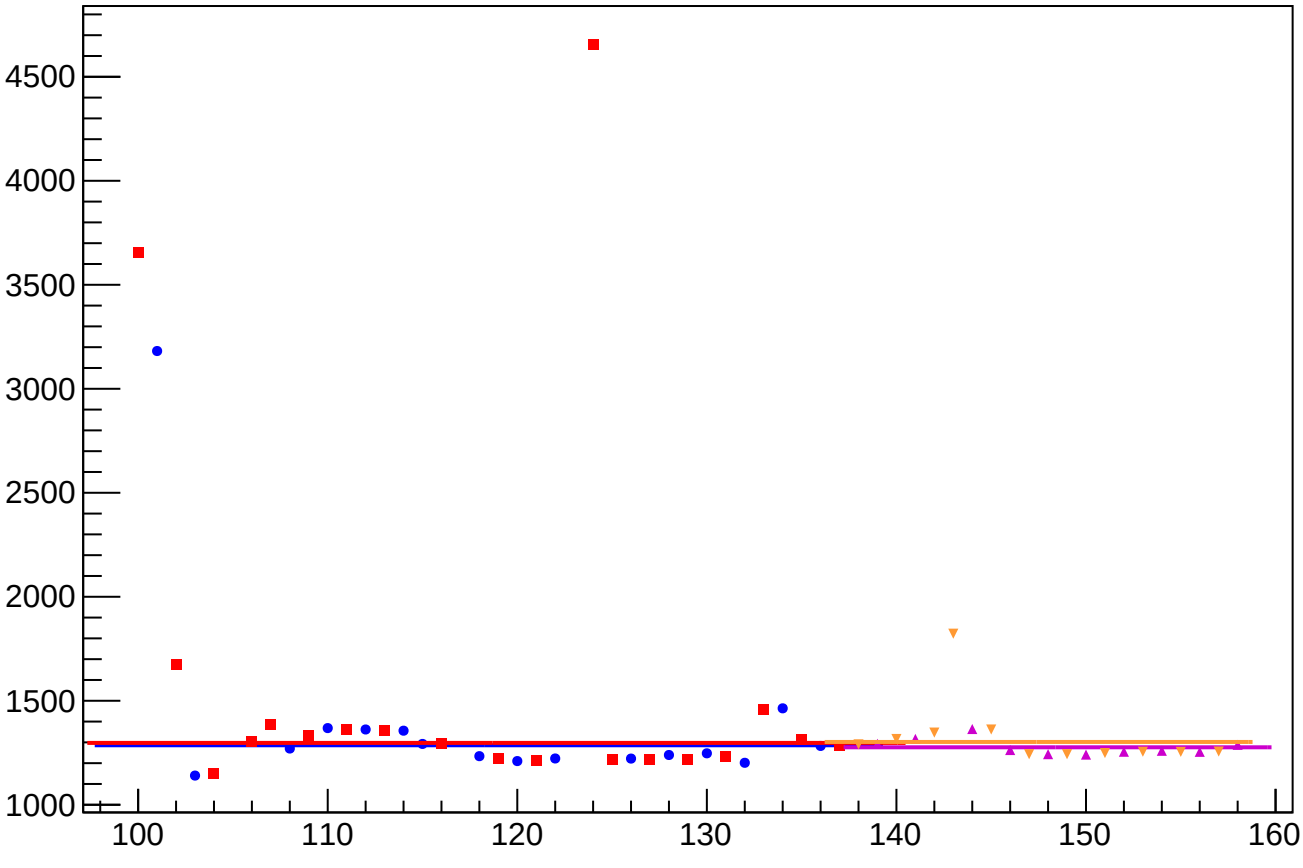
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 337.723+/-0.065 χ^2/NDF:4773244.9/25

Out: 335.235+/-0.067 χ^2/NDF:6322995.4/29

All: 336.507+/-0.047 χ^2/NDF: 11096948.7/55


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -227.417+/-443.616 χ²/NDF:11.4/10
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -595.971+/-432.267 χ²/NDF:13.7/9
Left: -416.469+/-309.593 χ²/NDF: 25.5/20
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -684.415+/-323.418 χ²/NDF:27.2/25
Out: -291.024+/-327.752 χ²/NDF:27.1/29
All: -490.338+/-230.208 χ²/NDF: 55.1/55



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1288.815+/-0.219 χ^2/NDF: 172251.7/20

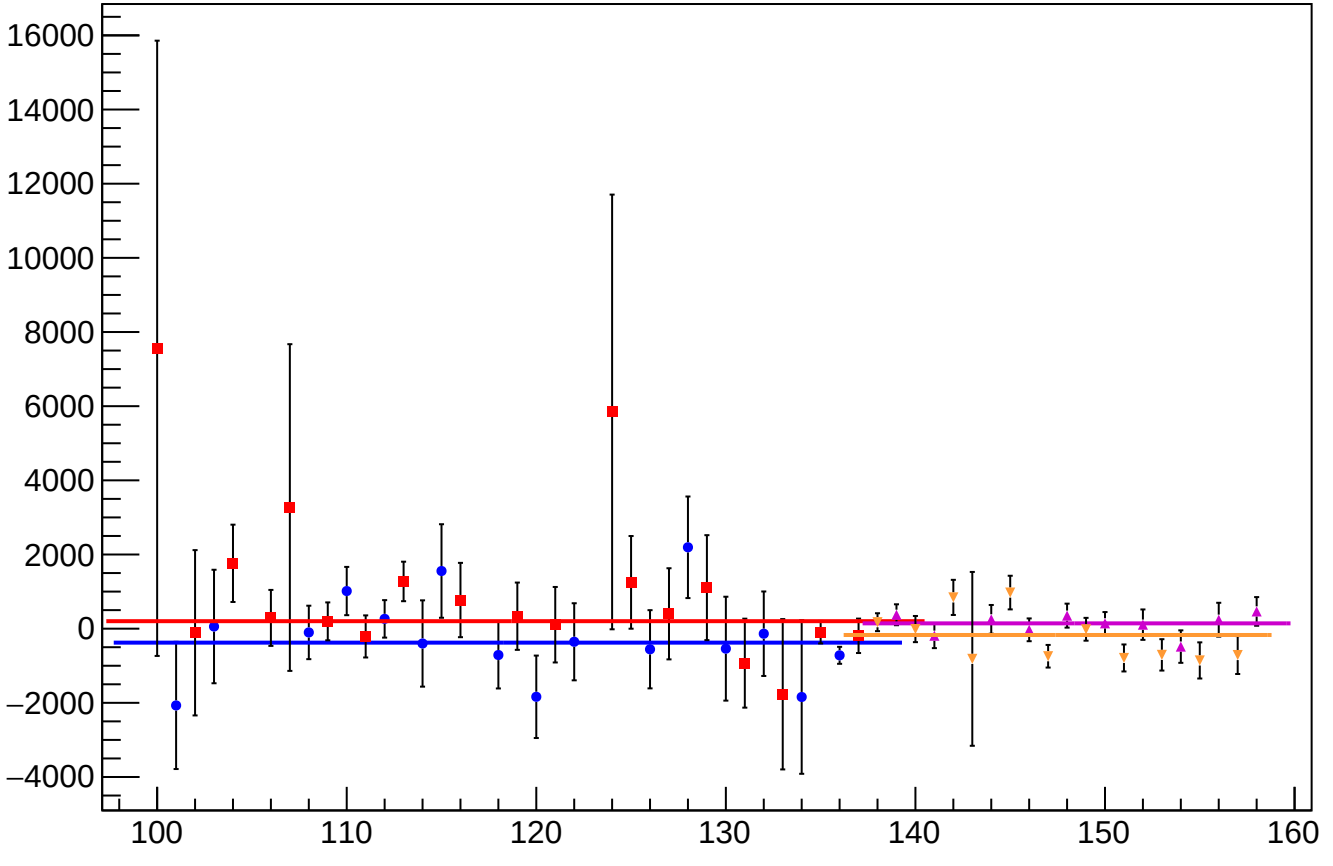
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1280.612+/-0.229 χ^2/NDF:532277.9/25

Out: 1299.906+/-0.232 χ^2/NDF:482951.5/29

All: 1290.131+/-0.163 χ^2/NDF: 1018740.9/55

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: -170.381+/-113.853 χ^2/NDF:24.6/10

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 143.134+/-110.579 χ^2/NDF:5.3/9

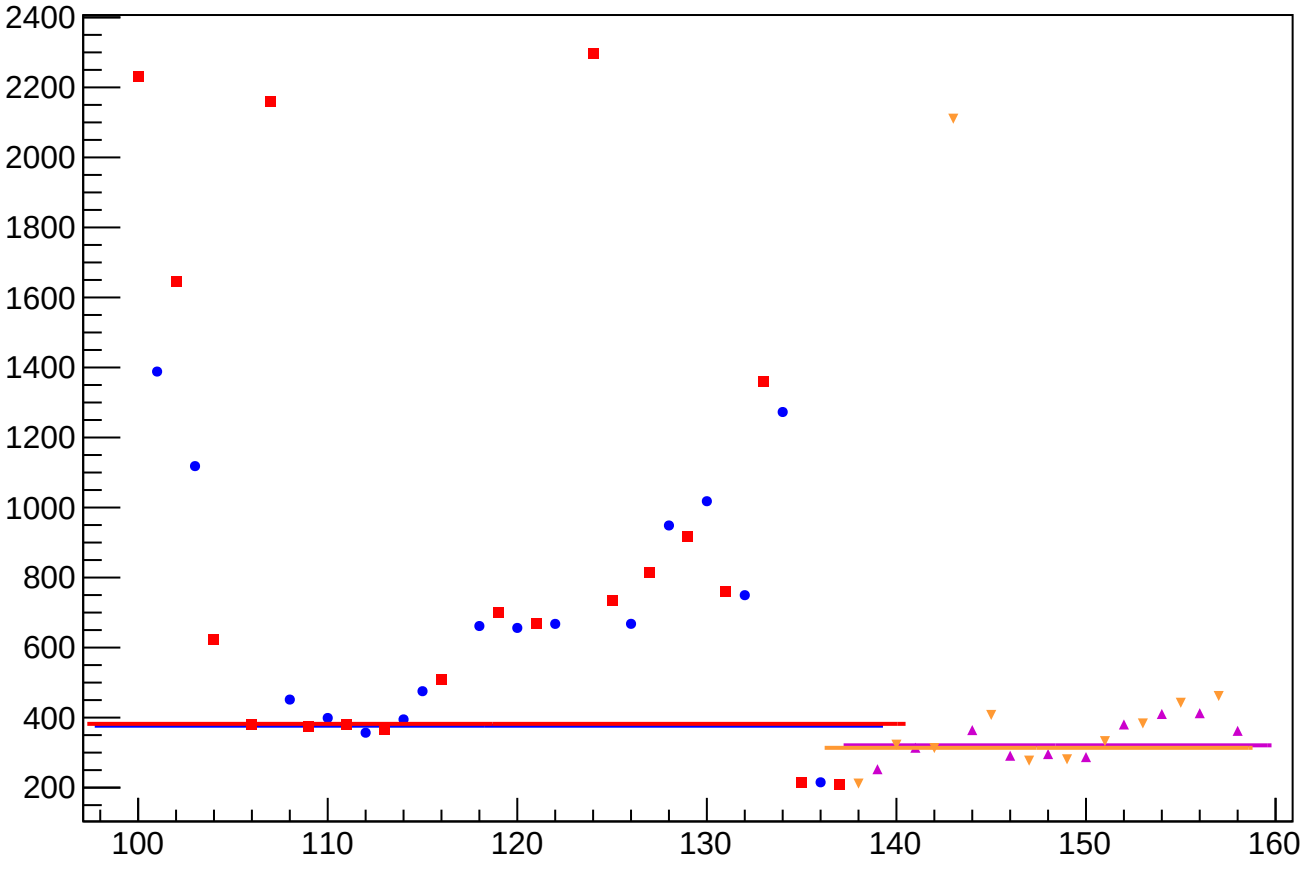
Left: -9.051+/-79.323 χ^2/NDF: 33.8/20

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -13.731+/-92.403 χ^2/NDF:29.9/25

Out: -54.446+/-94.490 χ^2/NDF:42.0/29

All: -33.634+/-66.064 χ^2/NDF: 72.0/55



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.681+/-0.081 χ^2/NDF:2037877.2/10

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

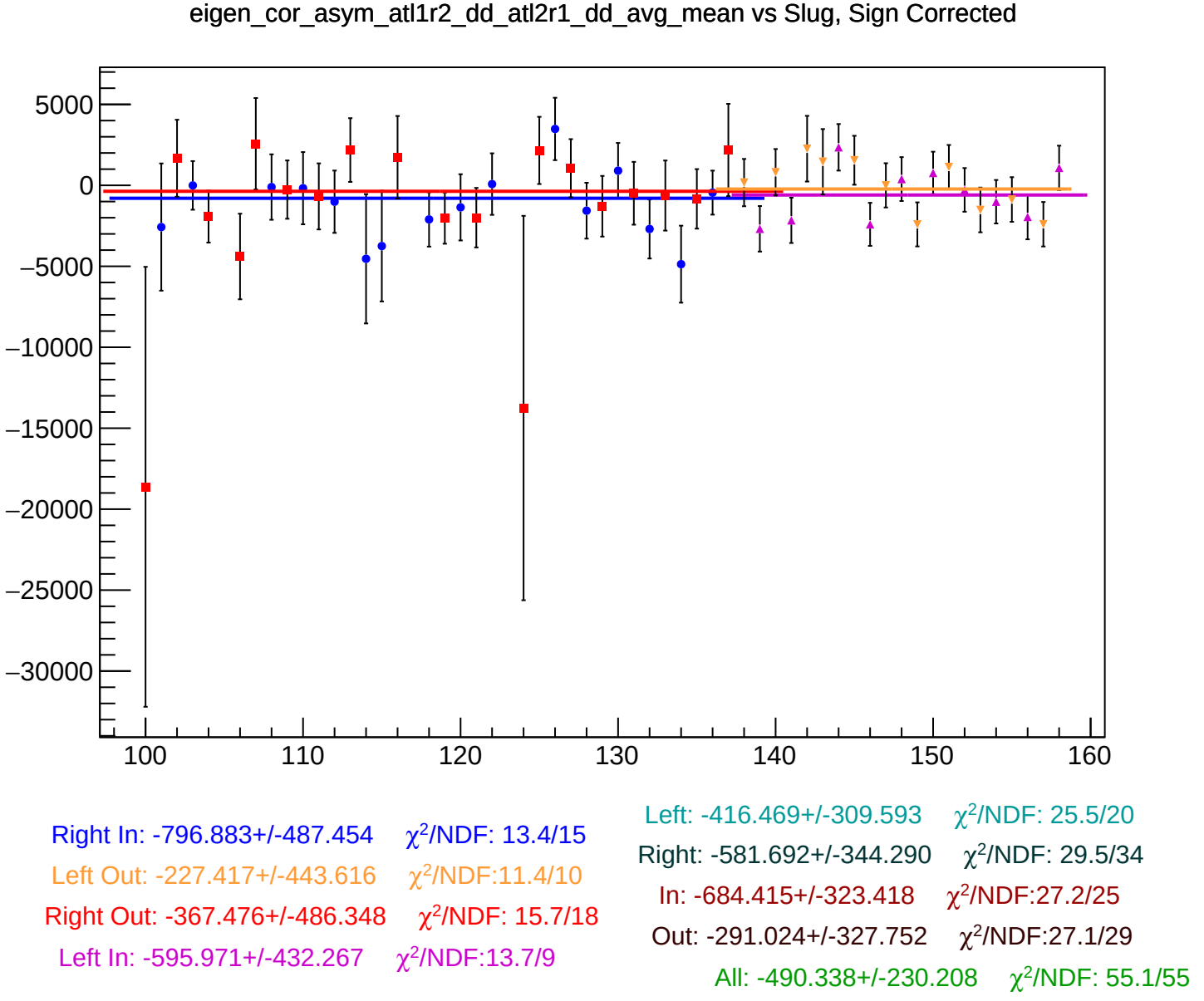
Left: 317.340+/-0.056 χ^2/NDF: 2469670.2/20

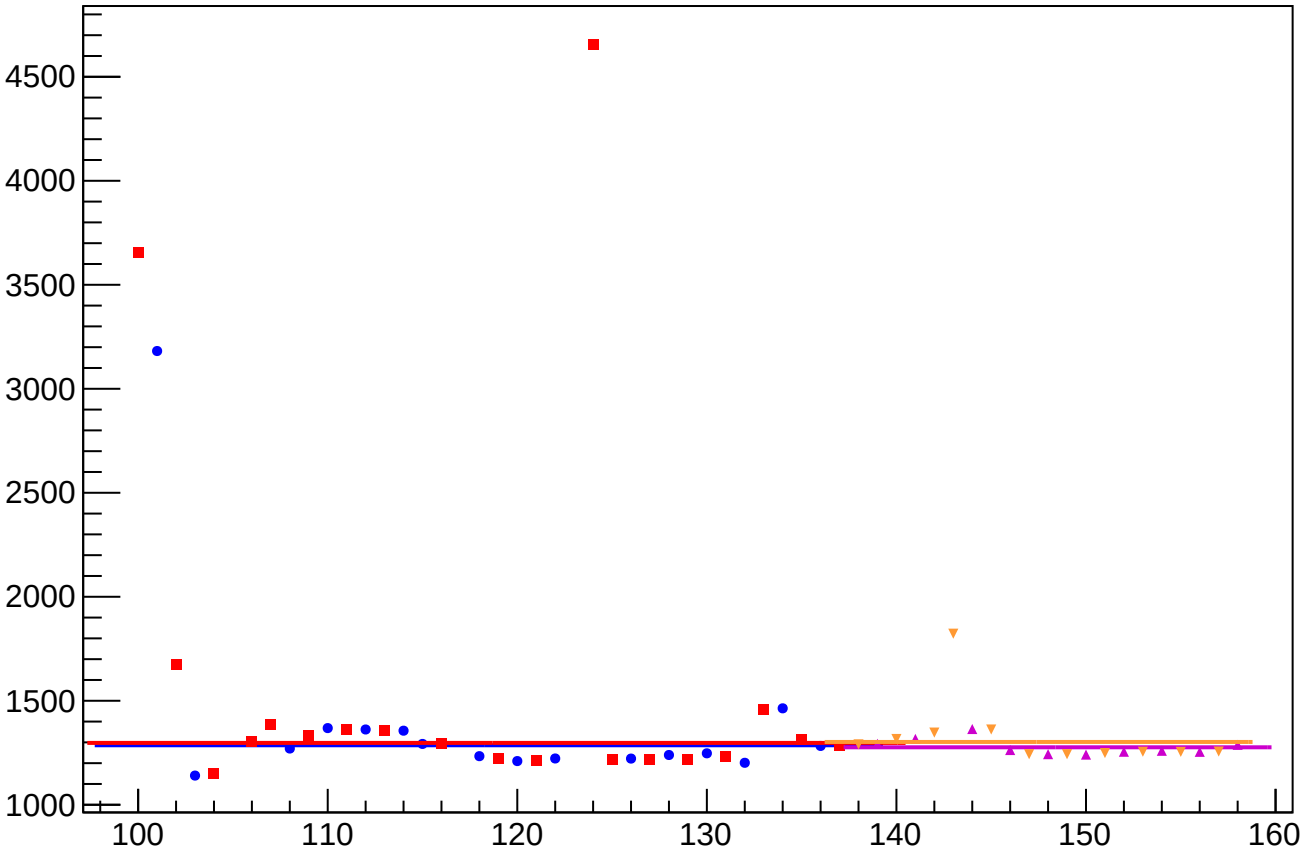
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 337.716+/-0.065 χ^2/NDF:4776375.0/25

Out: 334.985+/-0.067 χ^2/NDF:6322493.0/29

All: 336.381+/-0.047 χ^2/NDF: 11099721.9/55


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -227.417+/-443.616 χ²/NDF:11.4/10
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -595.971+/-432.267 χ²/NDF:13.7/9
Left: -416.469+/-309.593 χ²/NDF: 25.5/20
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -684.415+/-323.418 χ²/NDF:27.2/25
Out: -291.024+/-327.752 χ²/NDF:27.1/29
All: -490.338+/-230.208 χ²/NDF: 55.1/55



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

Left: 1288.815+/-0.219 χ^2/NDF: 172251.7/20

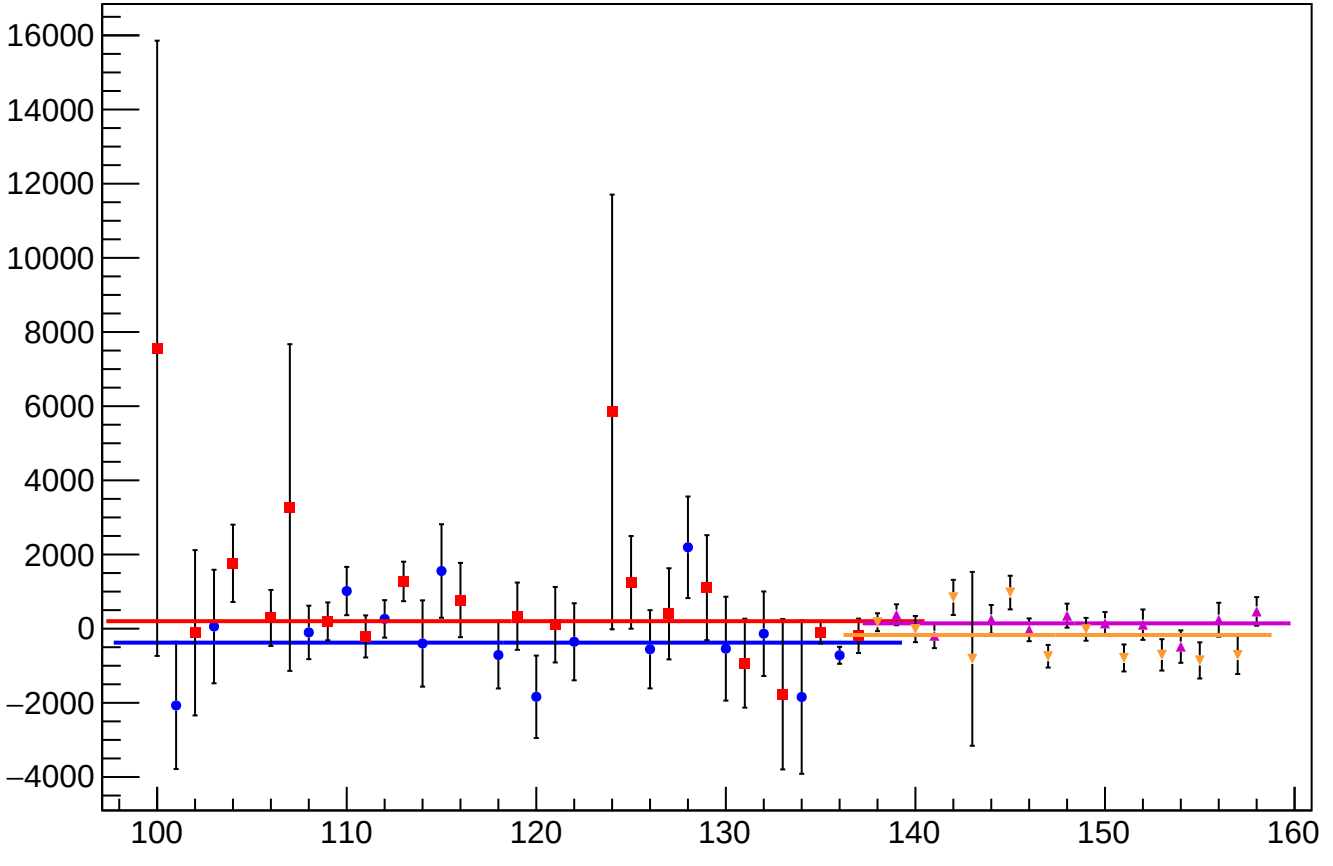
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1280.612+/-0.229 χ^2/NDF:532277.9/25

Out: 1299.906+/-0.232 χ^2/NDF:482951.5/29

All: 1290.131+/-0.163 χ^2/NDF: 1018740.9/55

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: -170.381+/-113.853 χ^2/NDF:24.6/10

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 143.134+/-110.579 χ^2/NDF:5.3/9

Left: -9.051+/-79.323 χ^2/NDF: 33.8/20

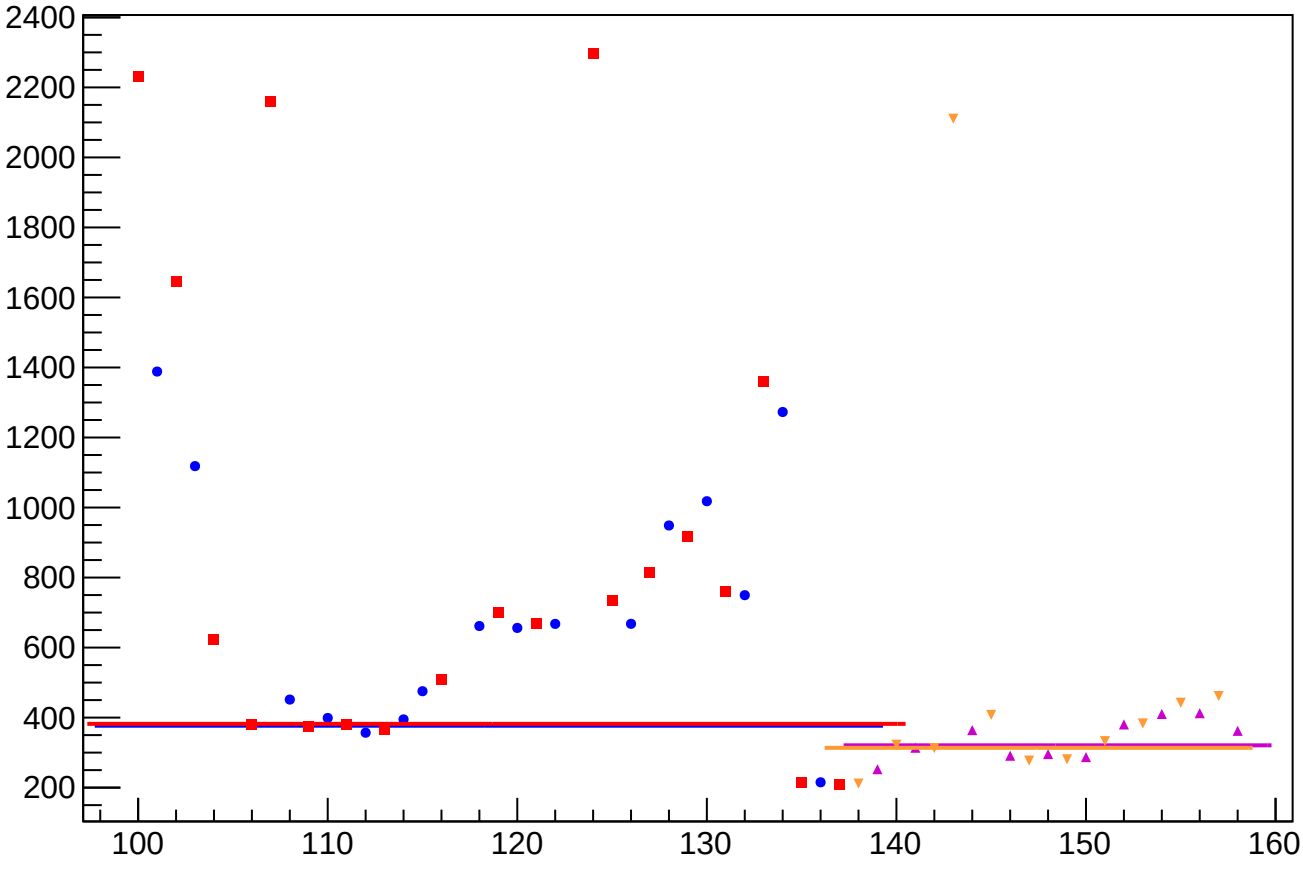
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -13.731+/-92.403 χ^2/NDF:29.9/25

Out: -54.446+/-94.490 χ^2/NDF:42.0/29

All: -33.634+/-66.064 χ^2/NDF: 72.0/55

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: 313.681+/-0.081 χ^2/NDF:2037877.2/10

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

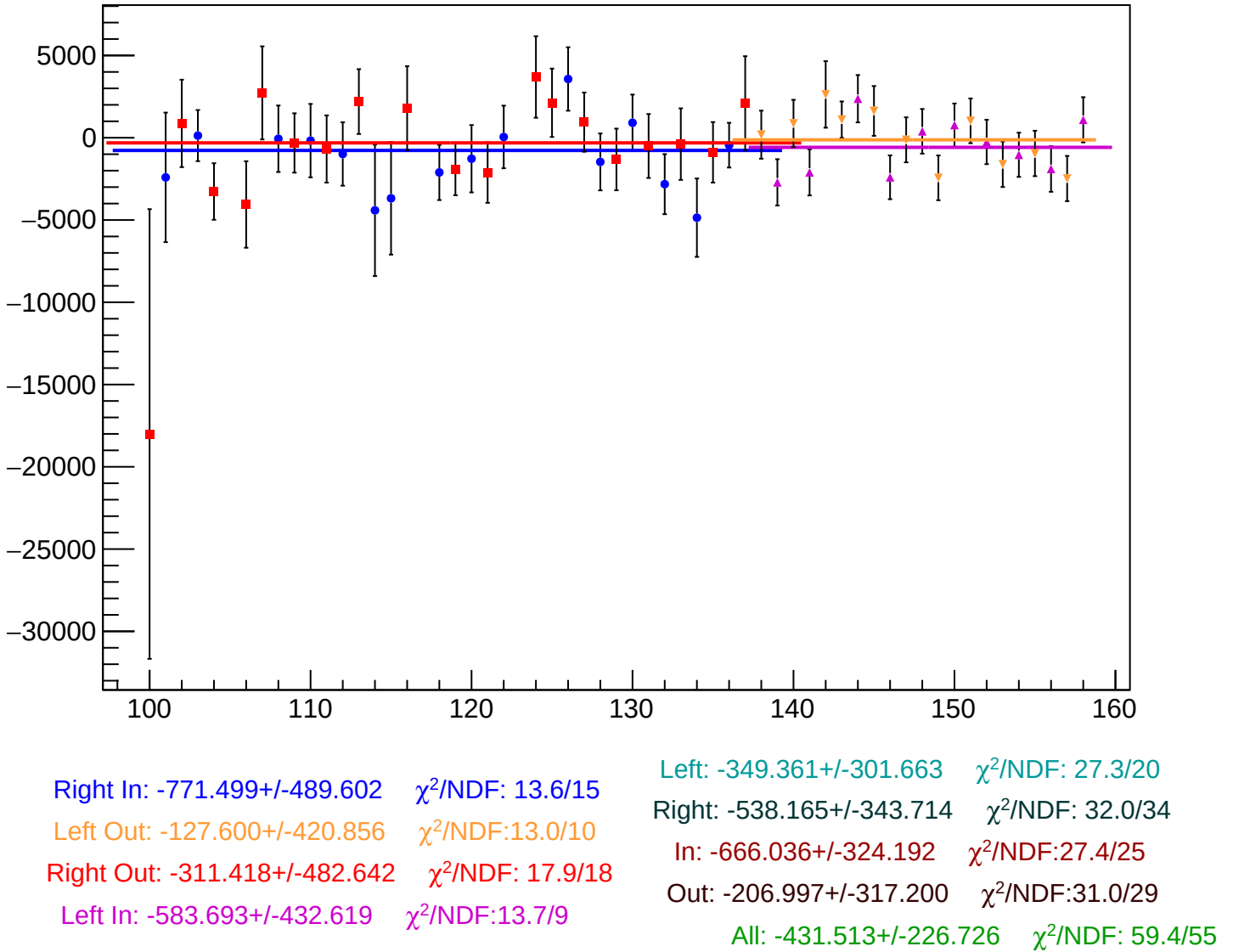
Left: 317.340+/-0.056 χ^2/NDF: 2469670.2/20

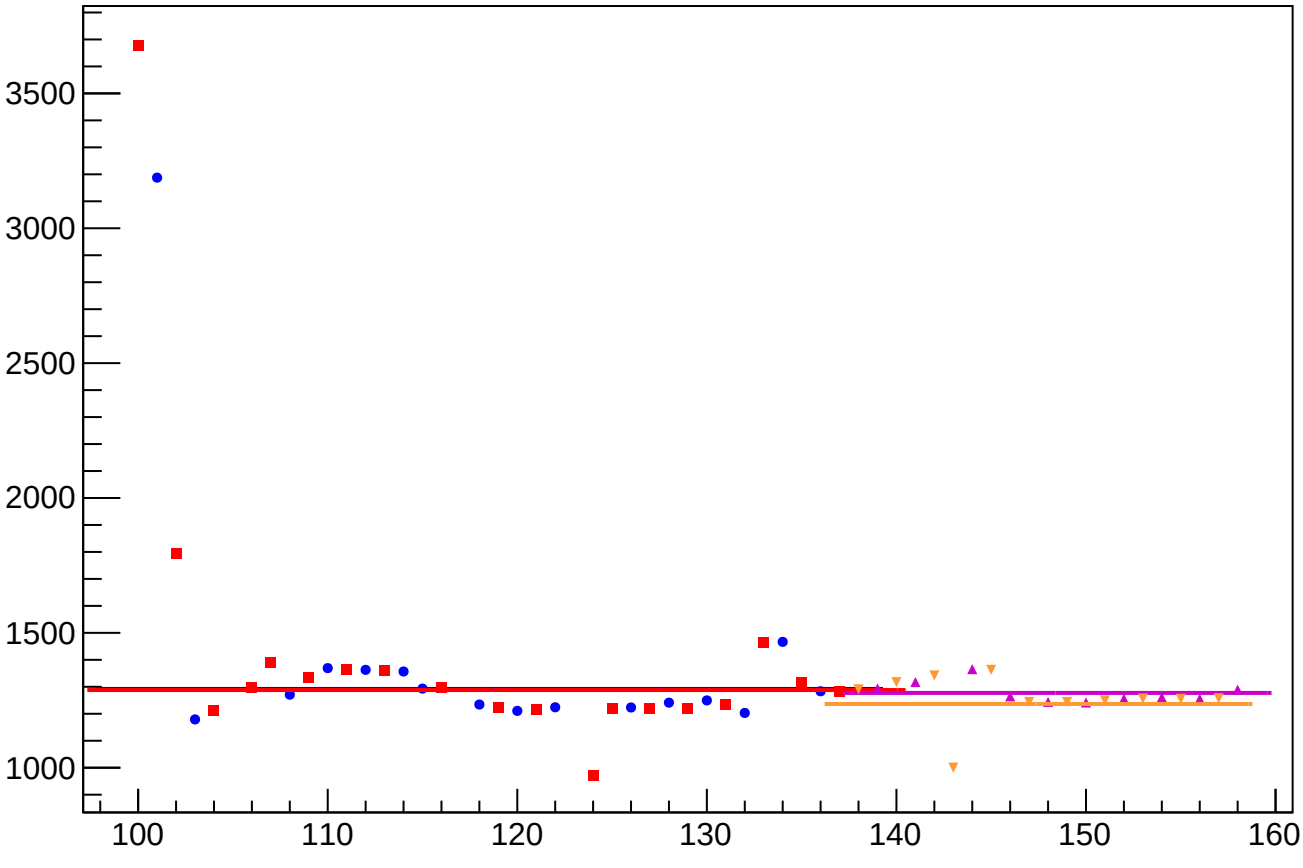
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 337.716+/-0.065 χ^2/NDF:4776375.0/25

Out: 334.985+/-0.067 χ^2/NDF:6322493.0/29

All: 336.381+/-0.047 χ^2/NDF: 11099721.9/55


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -127.600+/-420.856 χ²/NDF:13.0/10
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -583.693+/-432.619 χ²/NDF:13.7/9
Left: -349.361+/-301.663 χ²/NDF: 27.3/20
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -666.036+/-324.192 χ²/NDF:27.4/25
Out: -206.997+/-317.200 χ²/NDF:31.0/29
All: -431.513+/-226.726 χ²/NDF: 59.4/55



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121113.6/10

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

Left: 1256.293+/-0.213 χ^2/NDF: 144085.8/20

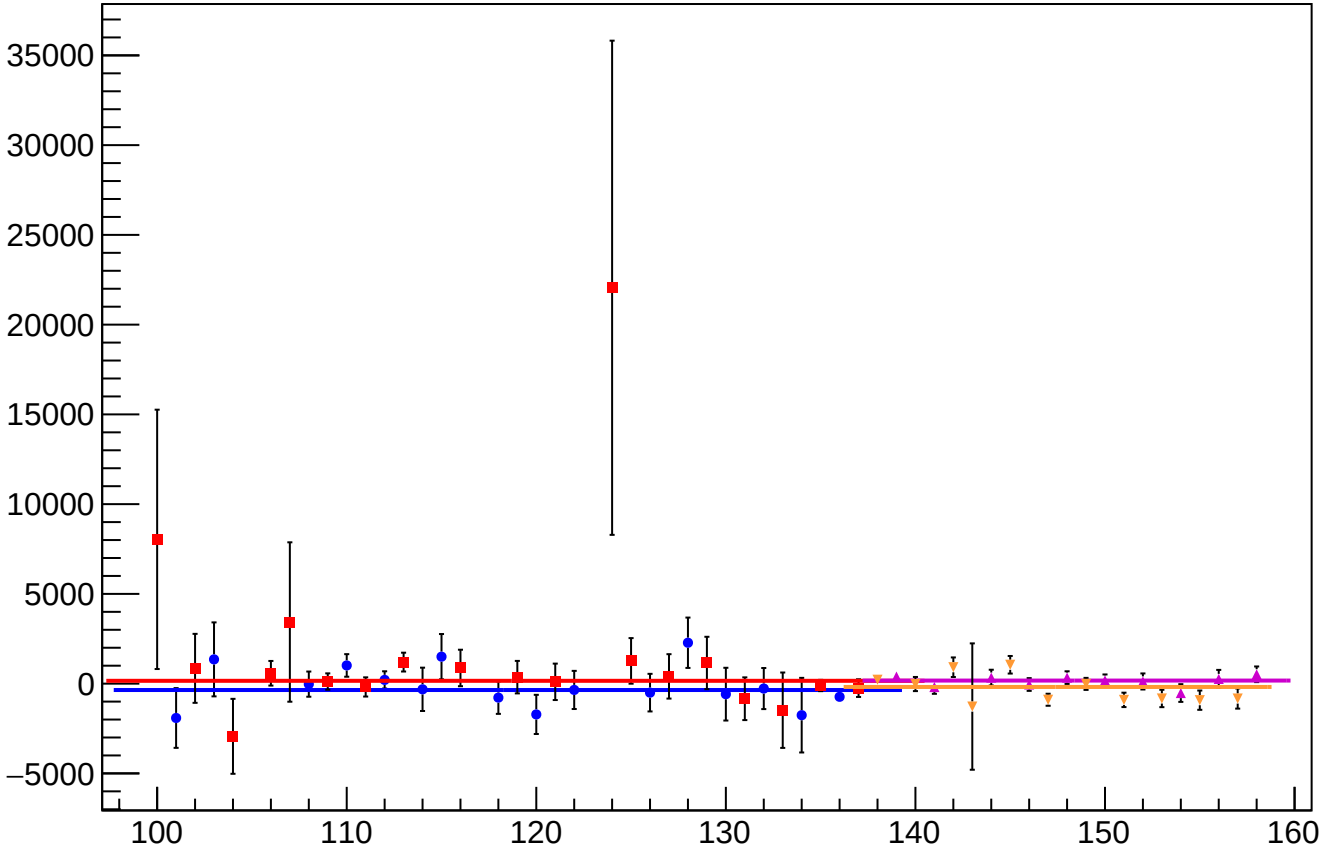
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1283.781+/-0.229 χ^2/NDF:524182.7/25

Out: 1258.671+/-0.224 χ^2/NDF:343312.7/29

All: 1270.953+/-0.160 χ^2/NDF: 873625.2/55

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: -185.017+/-123.207 χ^2/NDF:26.4/10

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 171.795+/-120.669 χ^2/NDF:5.0/9

Left: -2.898+/-86.209 χ^2/NDF: 35.7/20

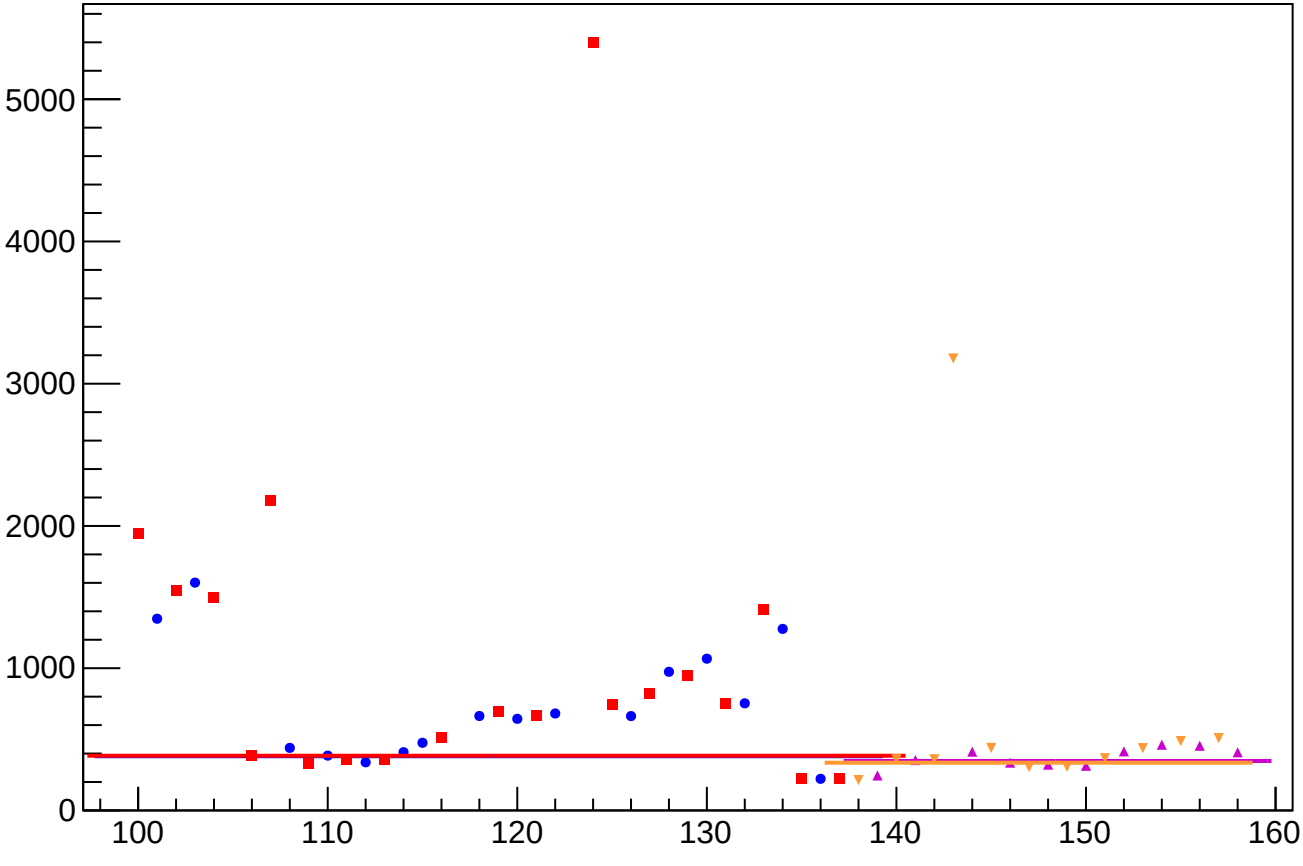
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -4.816+/-98.394 χ^2/NDF:29.8/25

Out: -66.611+/-99.694 χ^2/NDF:44.9/29

All: -35.308+/-70.030 χ^2/NDF: 74.9/55

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: 335.838+/-0.087 χ^2/NDF:2392370.7/10

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 347.930+/-0.085 χ^2/NDF:632733.1/9

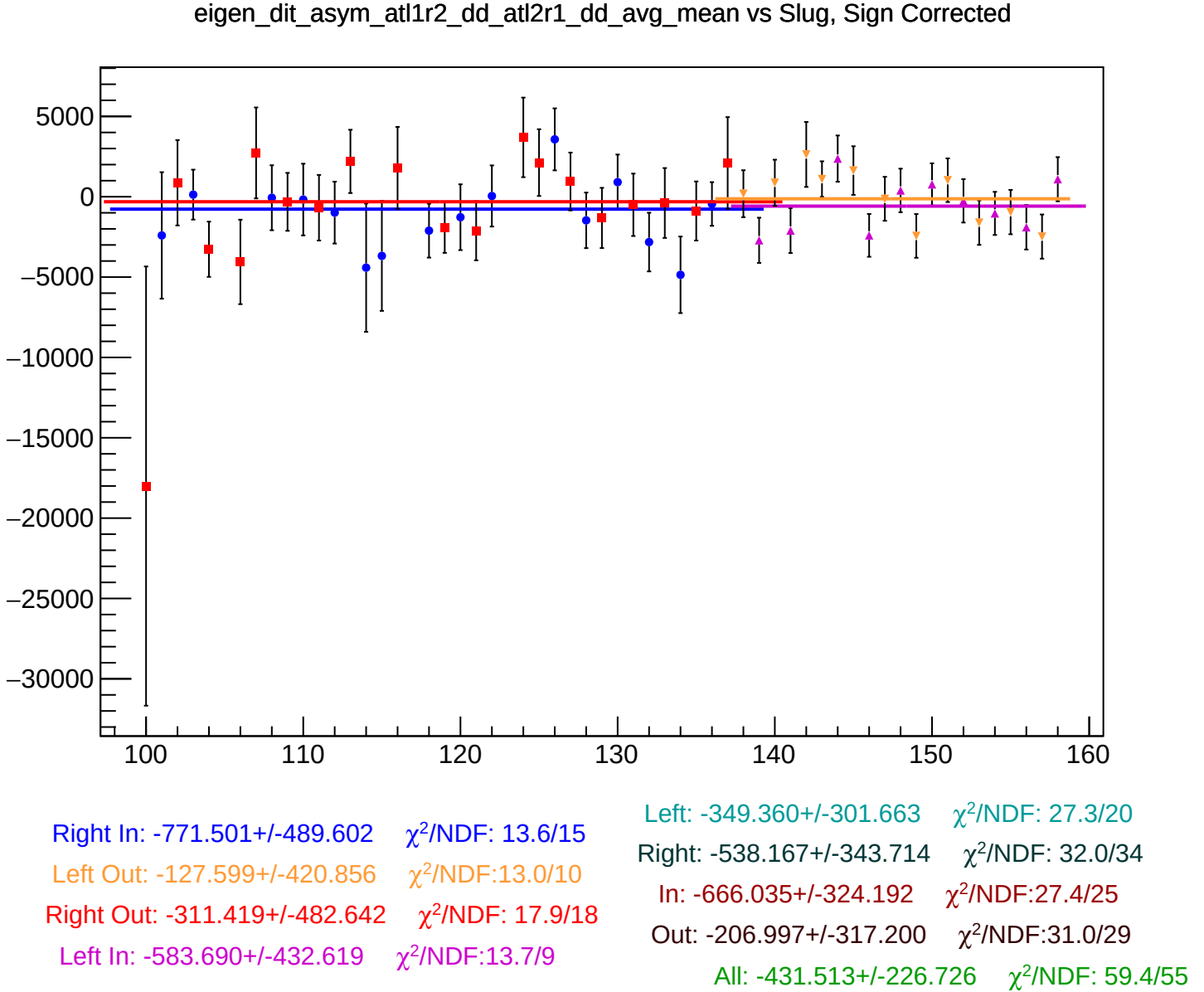
Left: 342.010+/-0.061 χ^2/NDF: 3034937.2/20

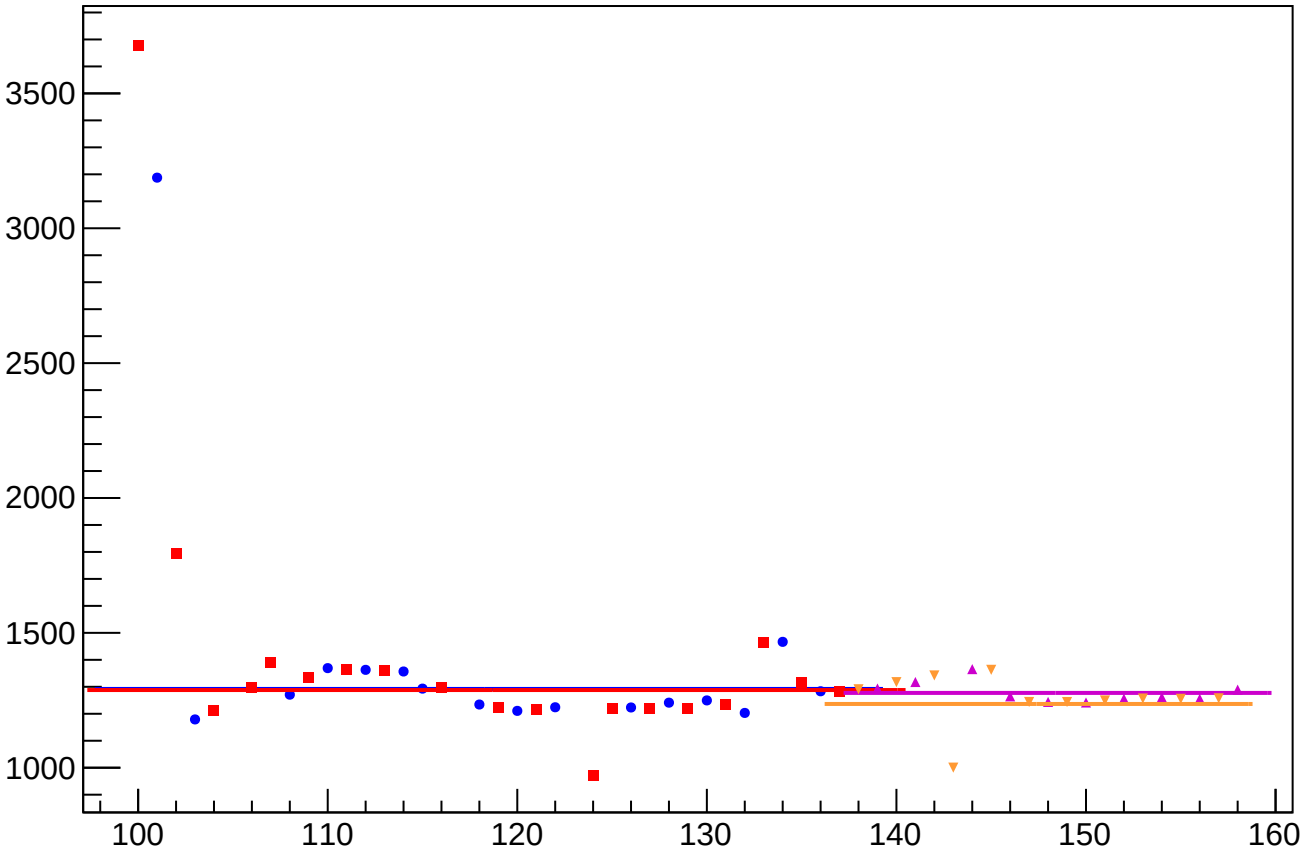
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 359.129+/-0.070 χ^2/NDF:5002061.6/25

Out: 352.691+/-0.070 χ^2/NDF:7060967.1/29

All: 355.952+/-0.050 χ^2/NDF: 12067253.9/55


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -127.599+/-420.856 χ²/NDF:13.0/10
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -583.690+/-432.619 χ²/NDF:13.7/9
Left: -349.360+/-301.663 χ²/NDF: 27.3/20
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -666.035+/-324.192 χ²/NDF:27.4/25
Out: -206.997+/-317.200 χ²/NDF:31.0/29
All: -431.513+/-226.726 χ²/NDF: 59.4/55



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121112.8/10

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

Left: 1256.293+/-0.213 χ^2/NDF: 144085.0/20

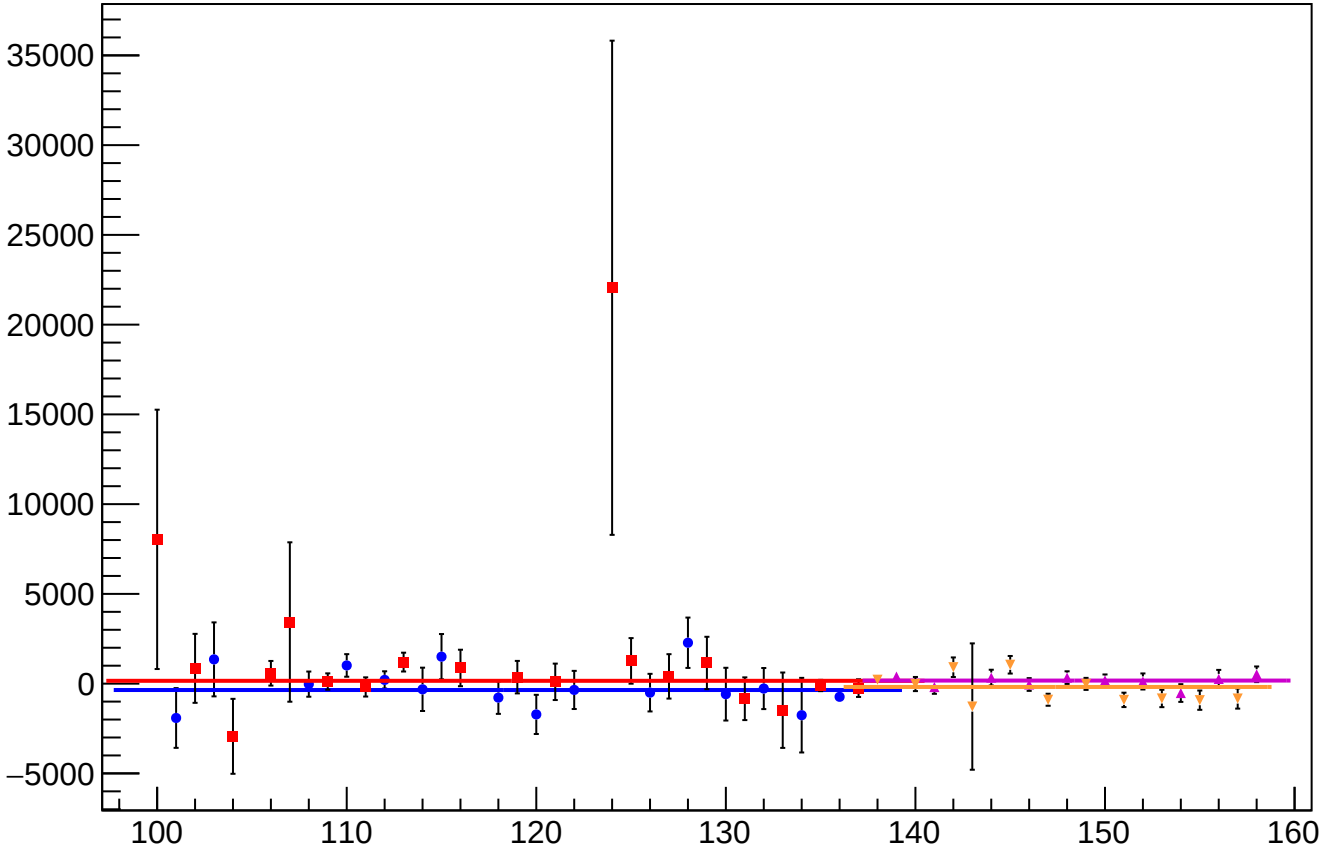
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1283.781+/-0.229 χ^2/NDF:524182.7/25

Out: 1258.671+/-0.224 χ^2/NDF:343312.1/29

All: 1270.953+/-0.160 χ^2/NDF: 873624.5/55

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: -185.027+/-123.209 χ^2/NDF:26.4/10

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 171.796+/-120.670 χ^2/NDF:5.0/9

Left: -2.902+/-86.210 χ^2/NDF: 35.7/20

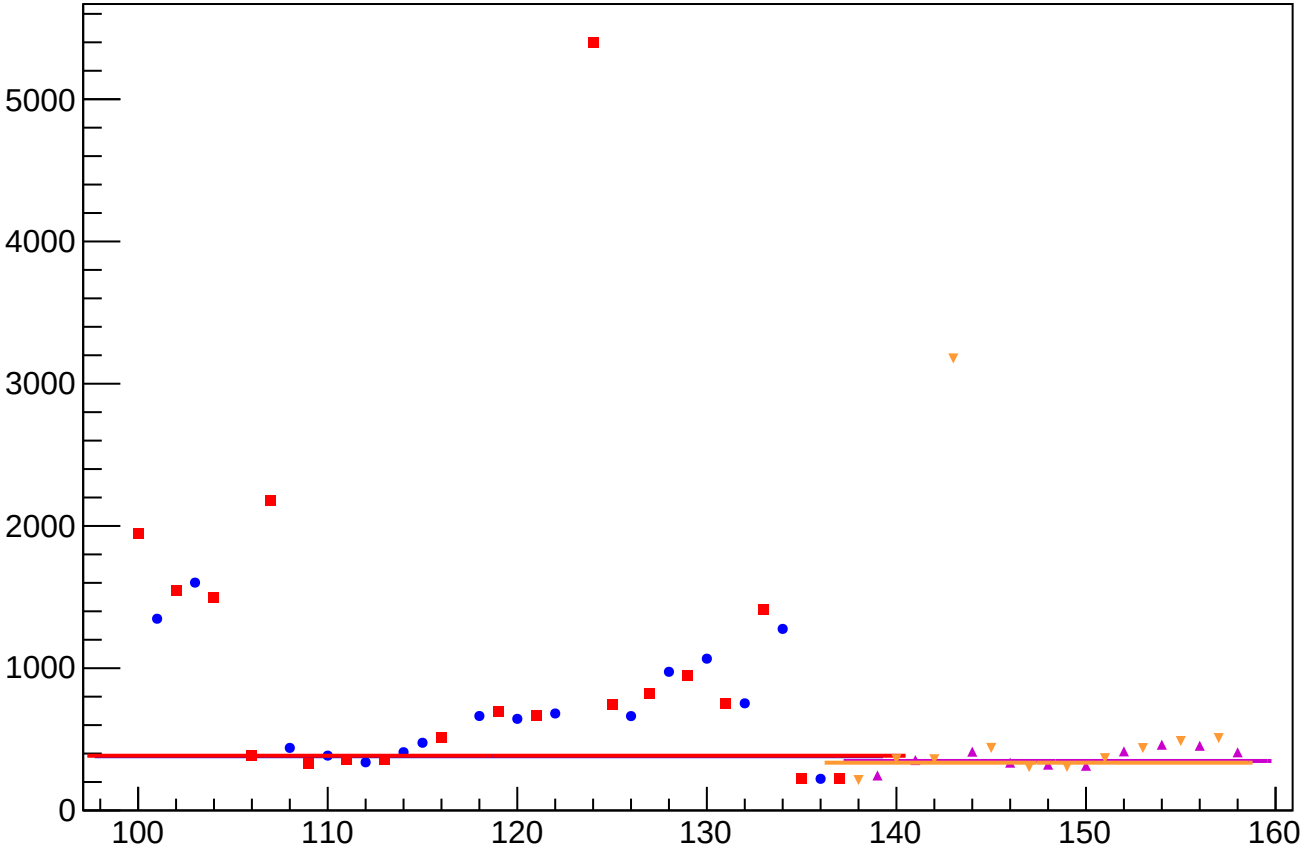
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -4.814+/-98.395 χ^2/NDF:29.8/25

Out: -66.616+/-99.695 χ^2/NDF:44.9/29

All: -35.309+/-70.031 χ^2/NDF: 74.9/55

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: 335.845+/-0.087 χ^2/NDF:2392215.4/10

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 347.935+/-0.085 χ^2/NDF:632641.8/9

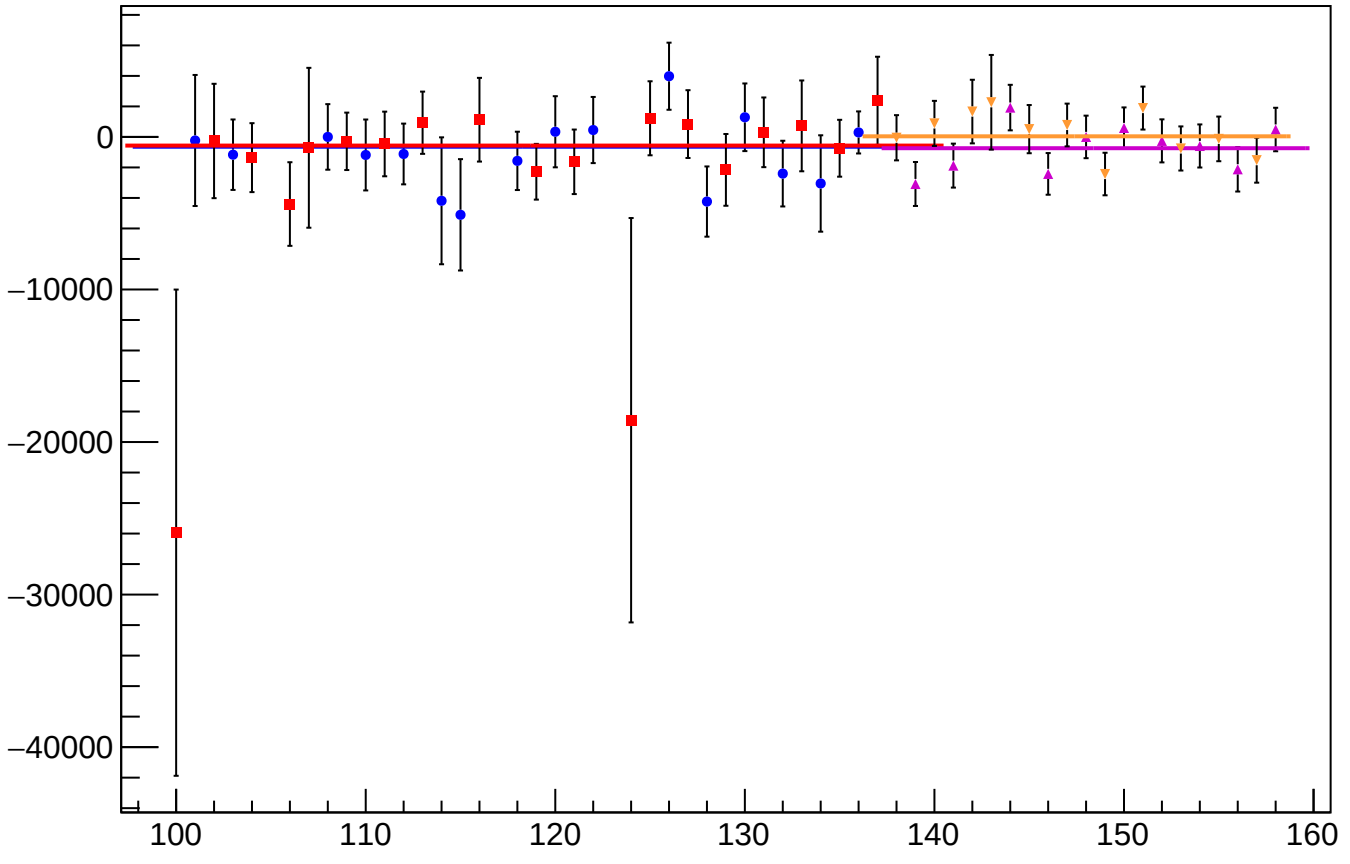
Left: 342.016+/-0.061 χ^2/NDF: 3034686.8/20

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 359.136+/-0.070 χ^2/NDF:5001799.4/25

Out: 352.699+/-0.070 χ^2/NDF:7060671.9/29

All: 355.959+/-0.050 χ^2/NDF: 12066695.3/55



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 40.365+/-467.204 χ^2/NDF:8.1/10

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -739.423+/-448.049 χ^2/NDF:11.0/9

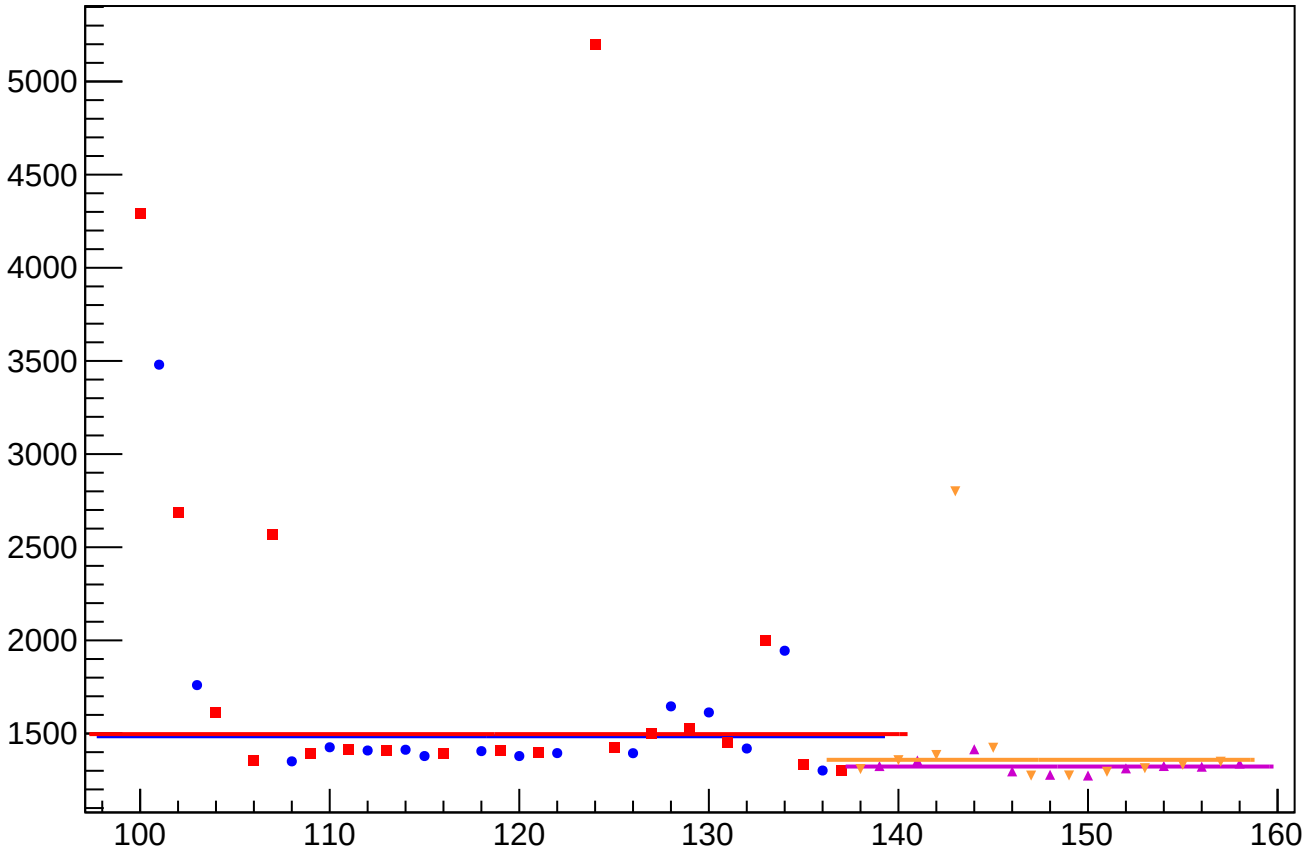
Left: -365.842+/-323.378 χ^2/NDF: 20.6/20

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -701.304+/-350.910 χ^2/NDF:23.5/25

Out: -205.469+/-360.509 χ^2/NDF:20.1/29

All: -460.076+/-251.456 χ^2/NDF: 44.6/55



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1358.926+/-0.330 χ^2/NDF:458776.4/10

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.829+/-0.317 χ^2/NDF:14415.3/9

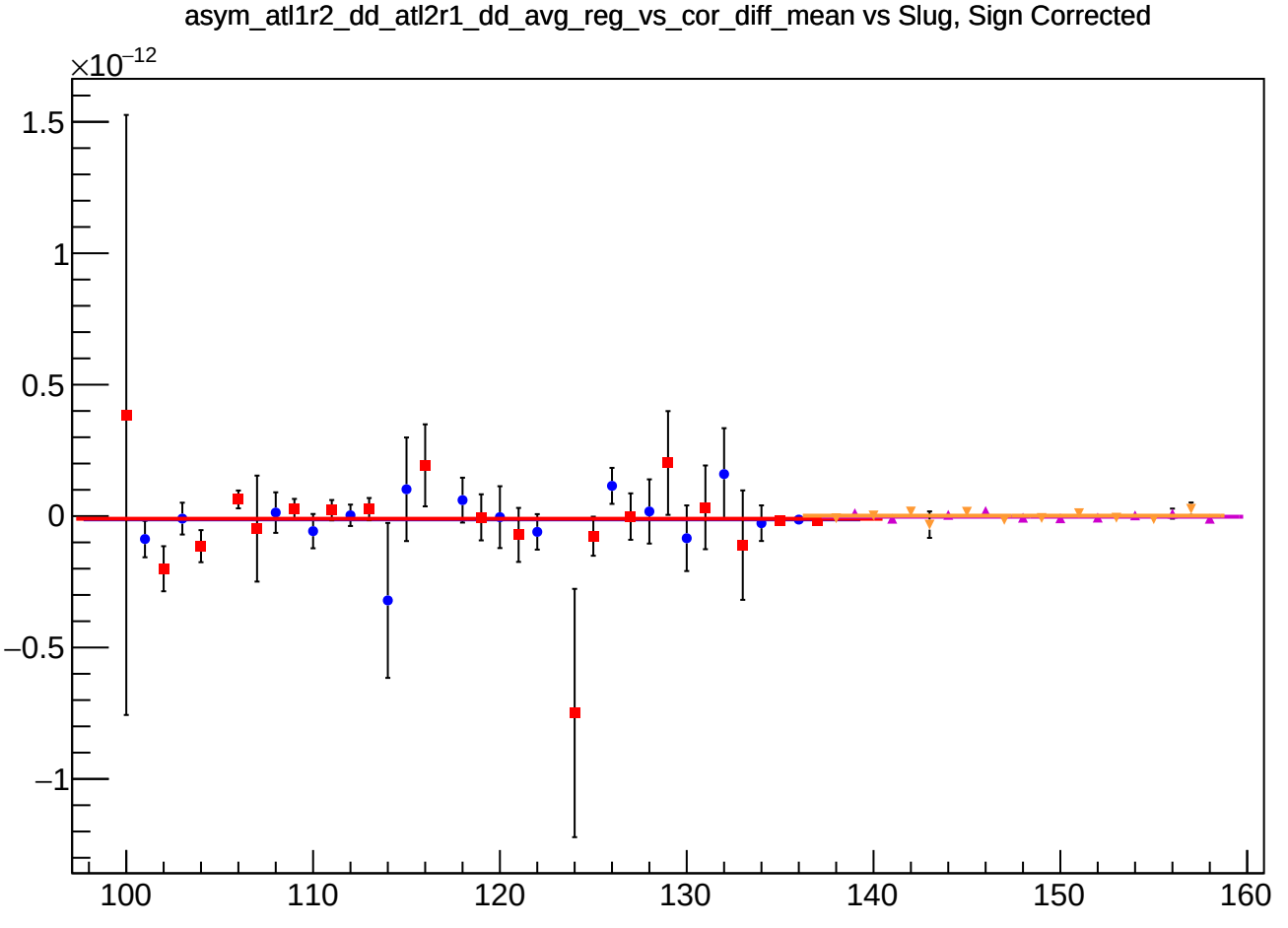
Left: 1340.123+/-0.229 χ^2/NDF: 479410.8/20

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1385.669+/-0.248 χ^2/NDF:700644.5/25

Out: 1414.735+/-0.255 χ^2/NDF:1152604.1/29

All: 1399.810+/-0.178 χ^2/NDF: 1859924.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

Left: -0.000+/-0.000 χ^2/NDF: 23.7/20

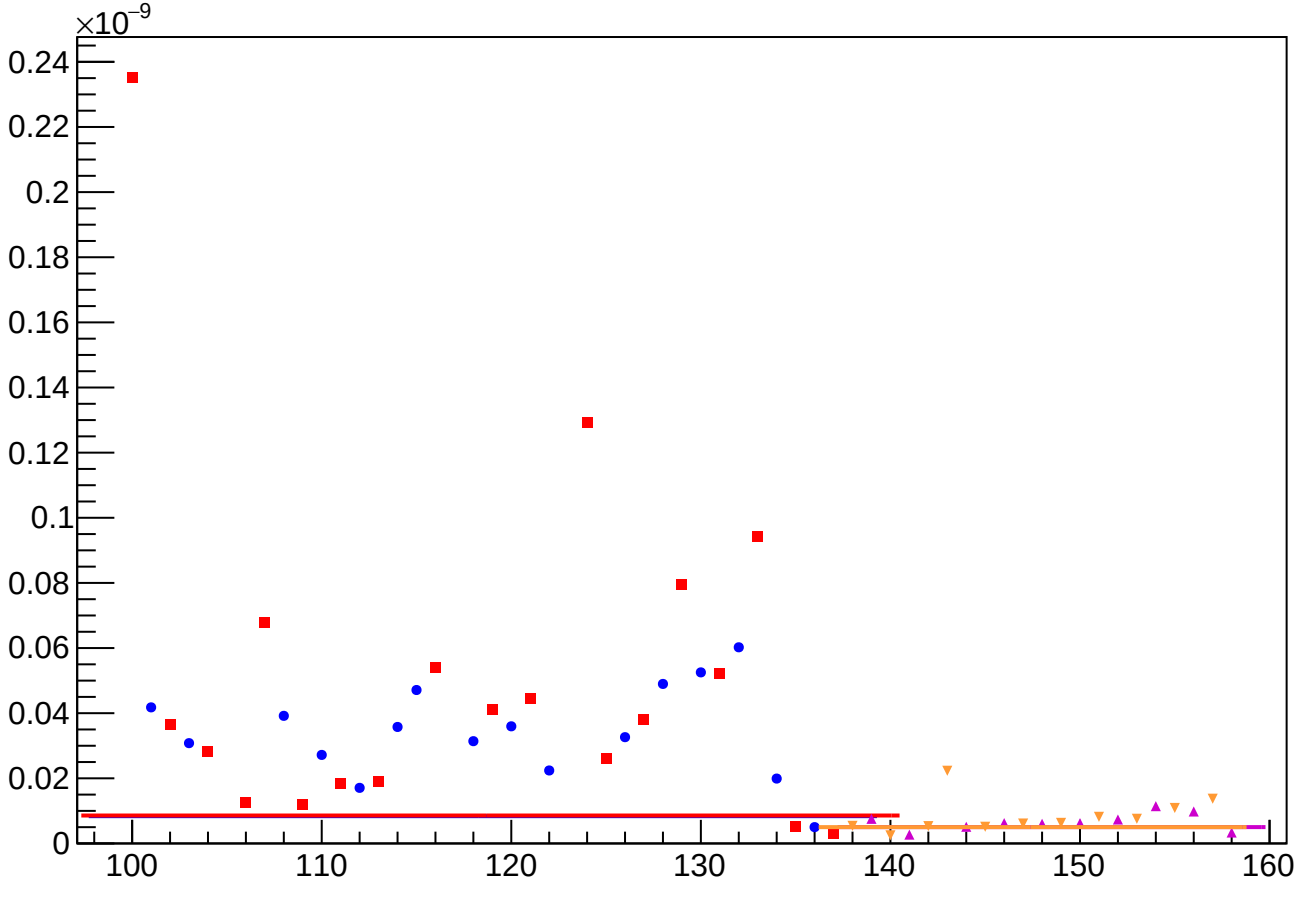
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:21.8/25

Out: 0.000+/-0.000 χ^2/NDF:36.2/29

All: -0.000+/-0.000 χ^2/NDF: 59.0/55

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521180.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1070875.0/9

Left: 0.000+/-0.000 χ^2/NDF: 2592065.1/20

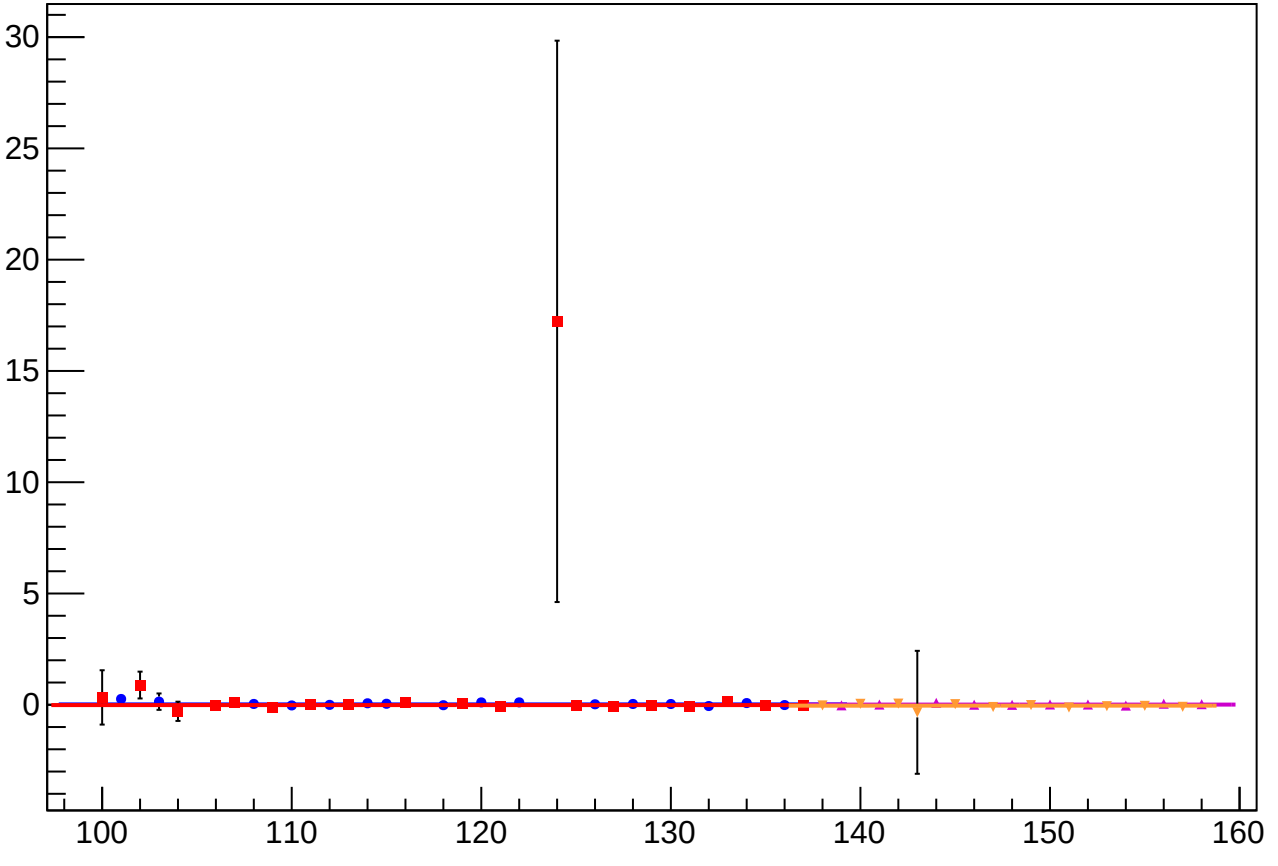
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4483992.1/25

Out: 0.000+/-0.000 χ^2/NDF:5216480.1/29

All: 0.000+/-0.000 χ^2/NDF: 9700529.1/55

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: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.015+/-0.009 χ^2/NDF: 28.0/20

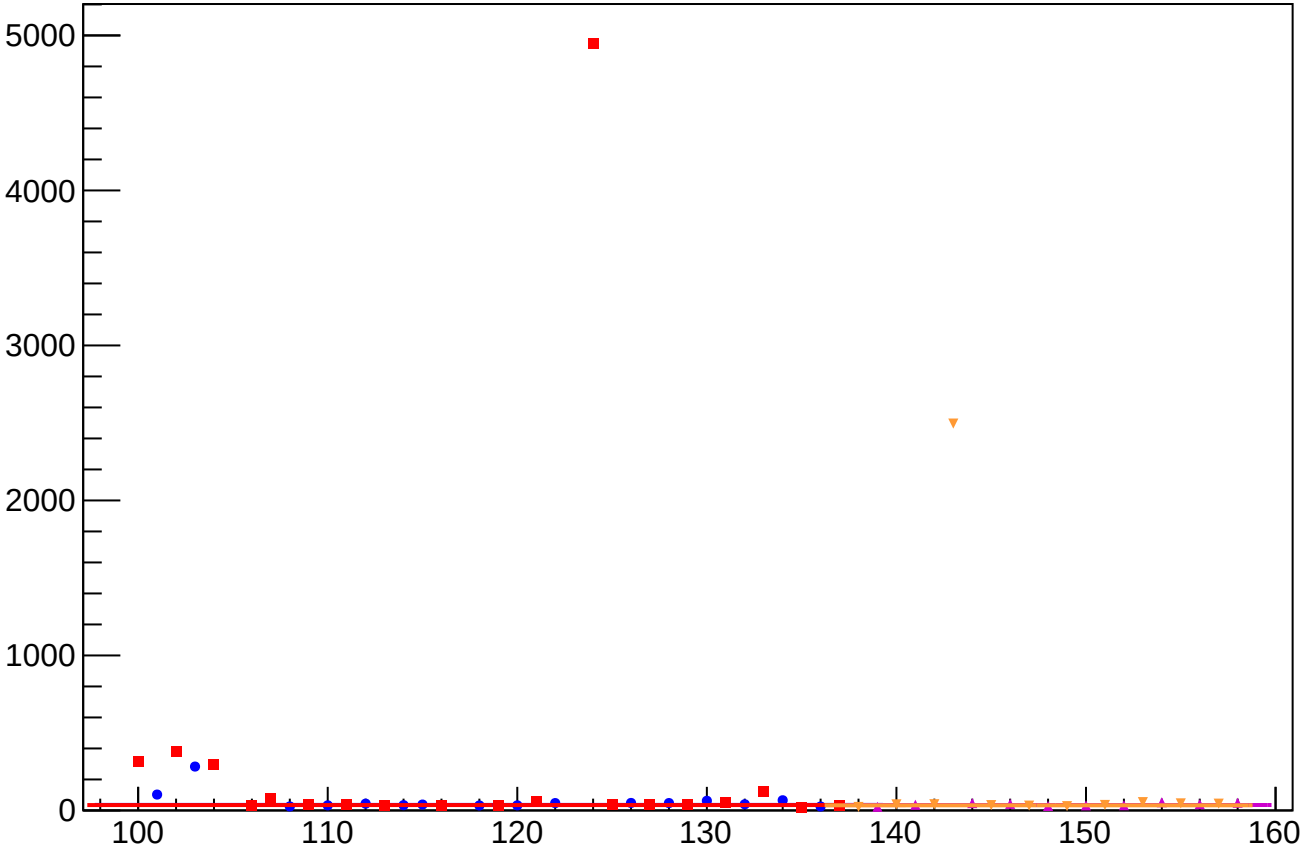
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.028+/-0.010 χ^2/NDF:34.1/29

All: -0.008+/-0.007 χ^2/NDF: 58.8/55

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: 33.247+/-0.009 χ^2/NDF:2442305.3/10

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

Left: 34.207+/-0.007 χ^2/NDF: 3374107.4/20

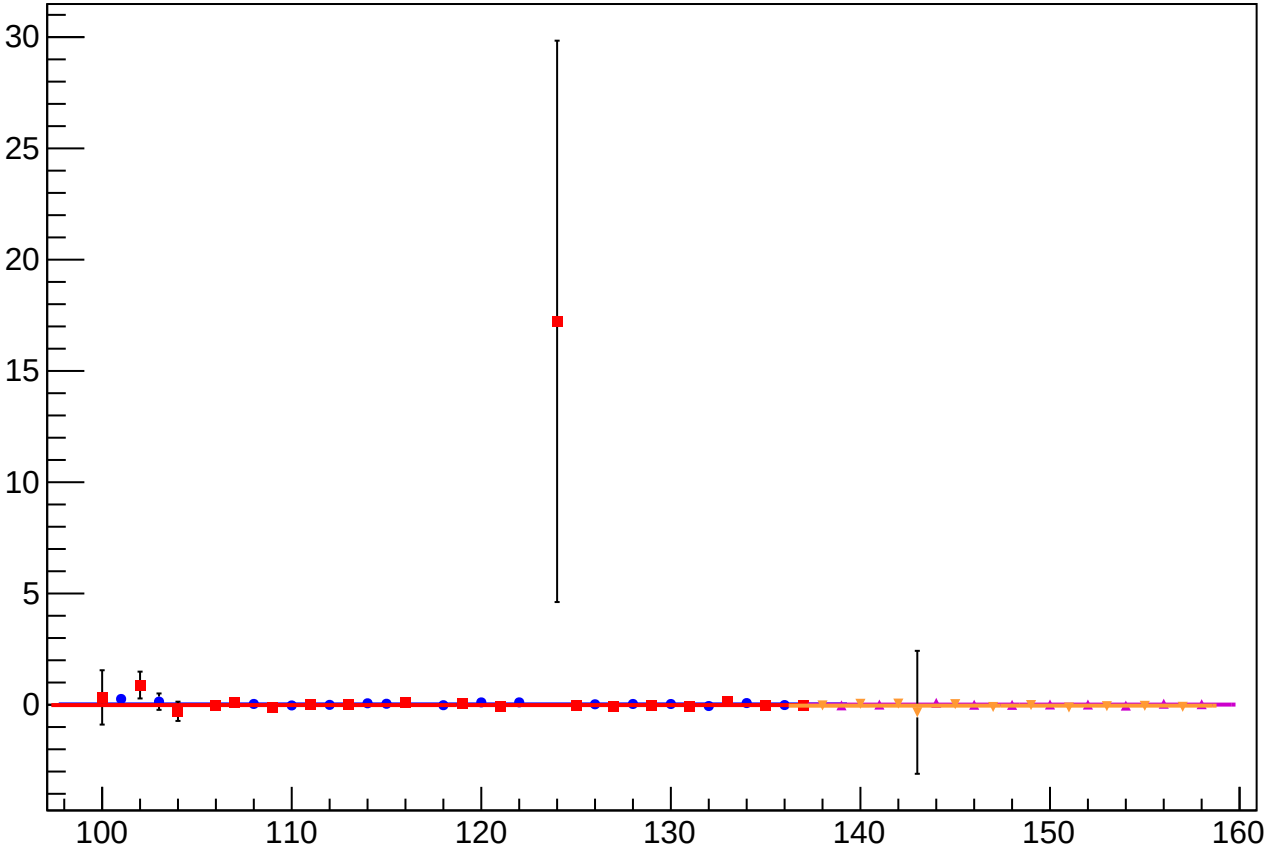
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.414+/-0.007 χ^2/NDF:3176385.6/25

Out: 33.884+/-0.007 χ^2/NDF:5368028.4/29

All: 34.650+/-0.005 χ^2/NDF: 8567782.2/55

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: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.015+/-0.009 χ^2/NDF: 28.0/20

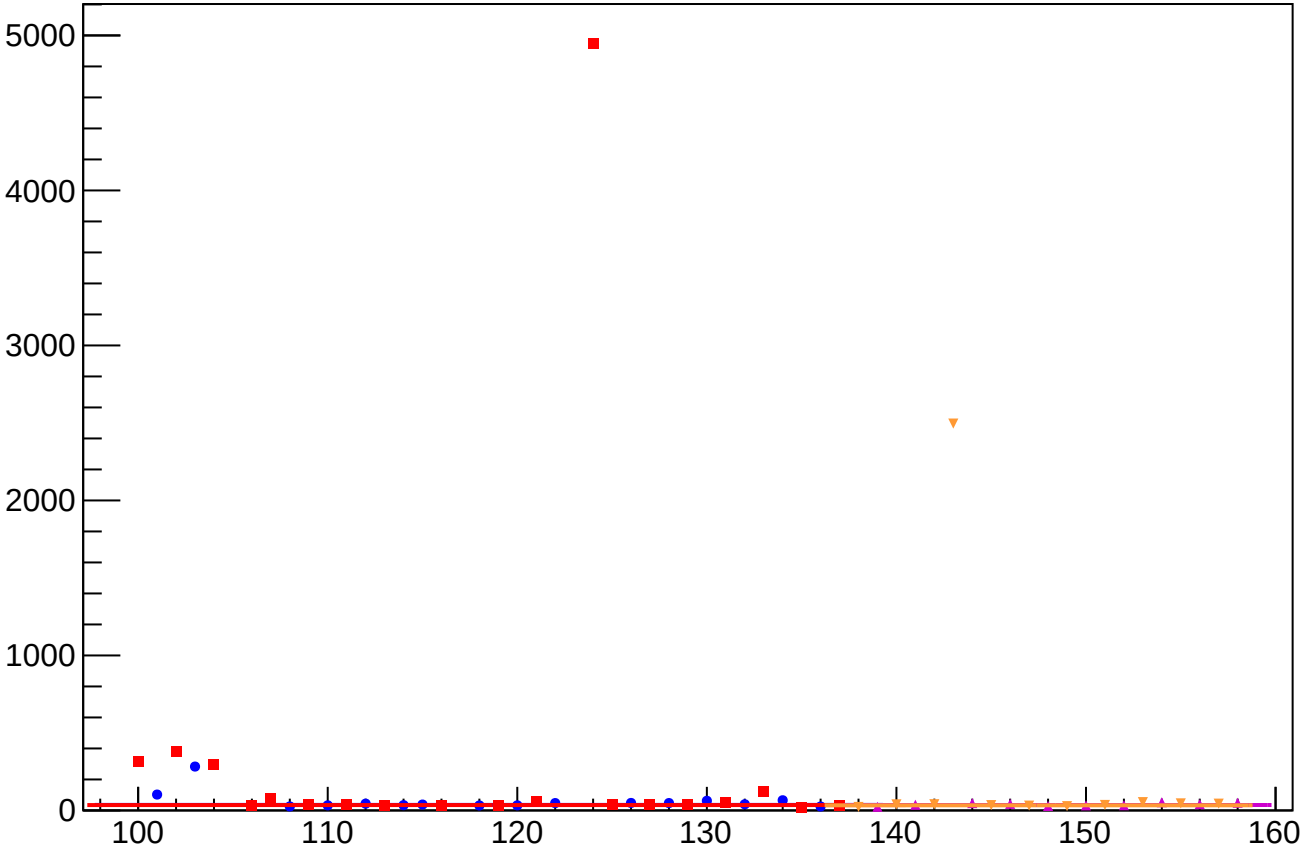
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.028+/-0.010 χ^2/NDF:34.1/29

All: -0.008+/-0.007 χ^2/NDF: 58.8/55

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: 33.247+/-0.009 χ^2/NDF:2442305.3/10

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

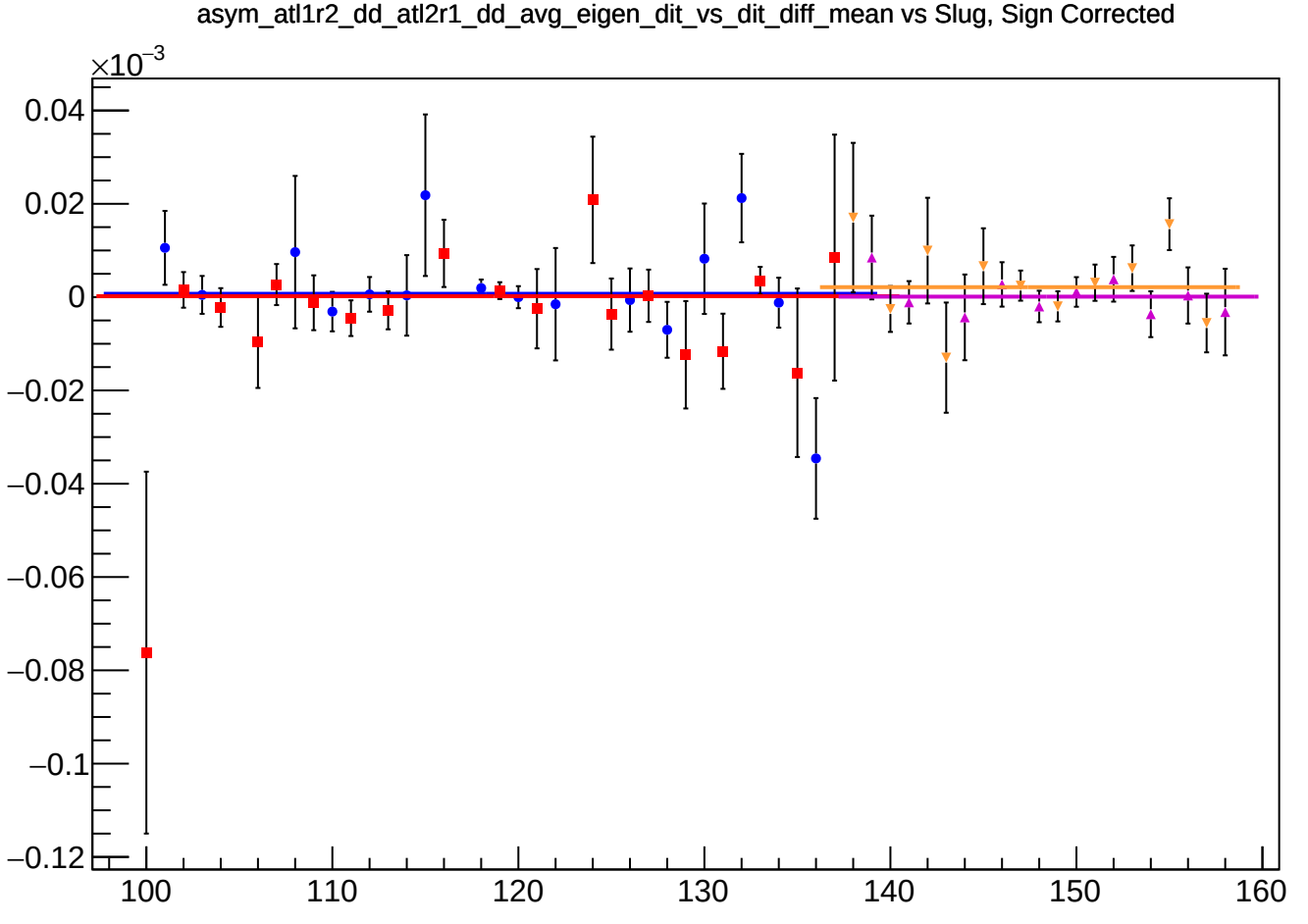
Left: 34.207+/-0.007 χ^2/NDF: 3374107.4/20

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.414+/-0.007 χ^2/NDF:3176385.6/25

Out: 33.884+/-0.007 χ^2/NDF:5368028.4/29

All: 34.650+/-0.005 χ^2/NDF: 8567782.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/9

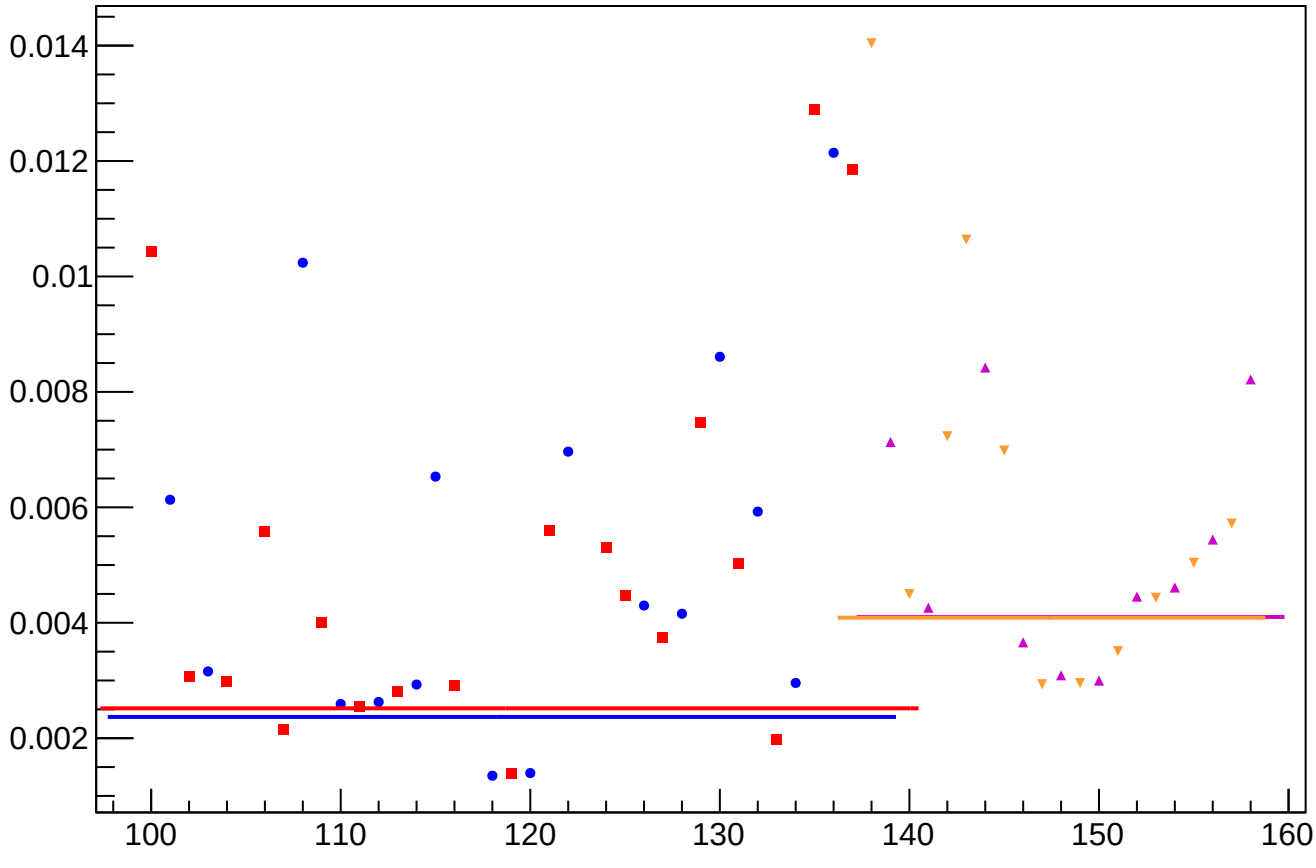
Left: 0.000+/-0.000 χ^2/NDF: 18.2/20

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.5/25

Out: 0.000+/-0.000 χ^2/NDF:33.2/29

All: 0.000+/-0.000 χ^2/NDF: 55.7/55



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2556670.1/10

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1636698.2/9

Left: 0.004+/-0.000 χ^2/NDF: 4193437.9/20

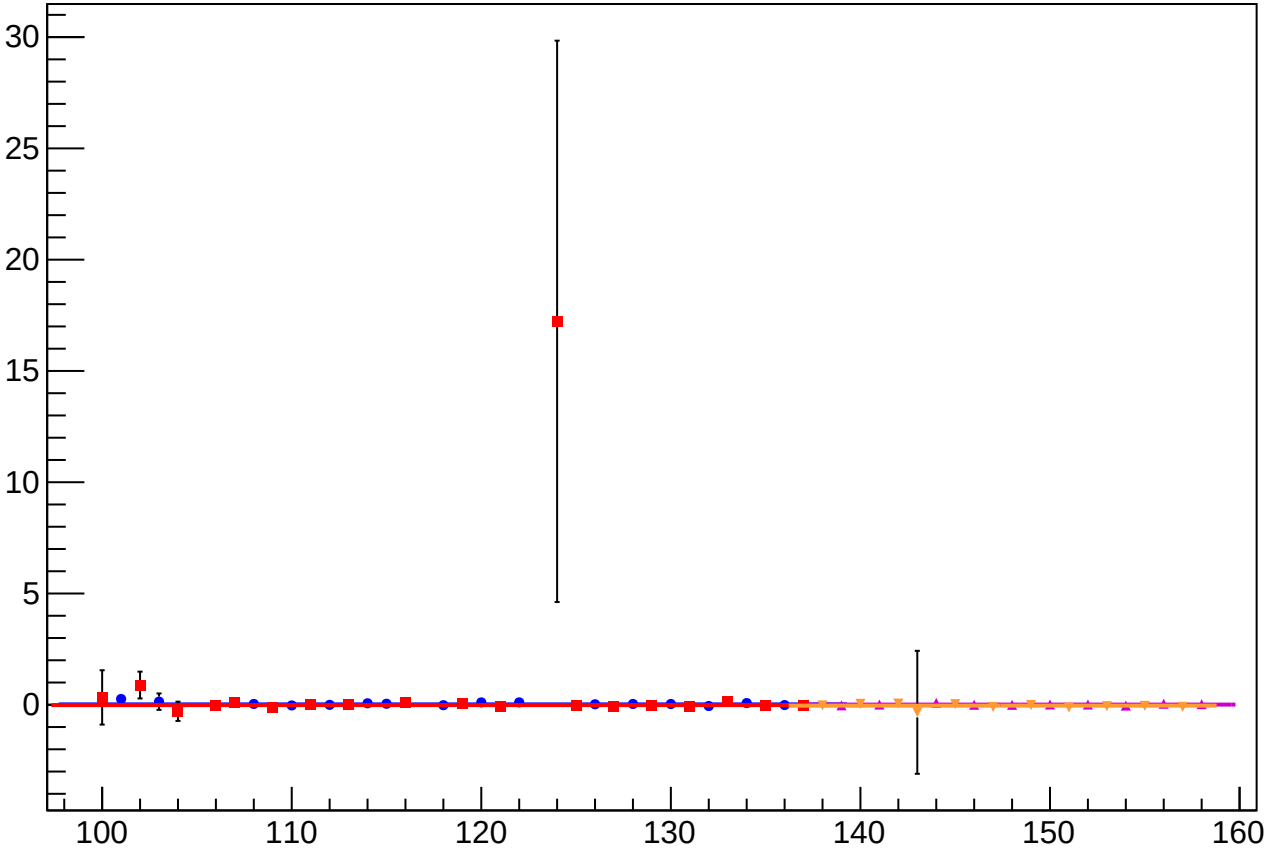
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8044772.0/25

Out: 0.003+/-0.000 χ^2/NDF:7386977.2/29

All: 0.003+/-0.000 χ^2/NDF: 15438030.8/55

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: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.015+/-0.009 χ^2/NDF: 28.0/20

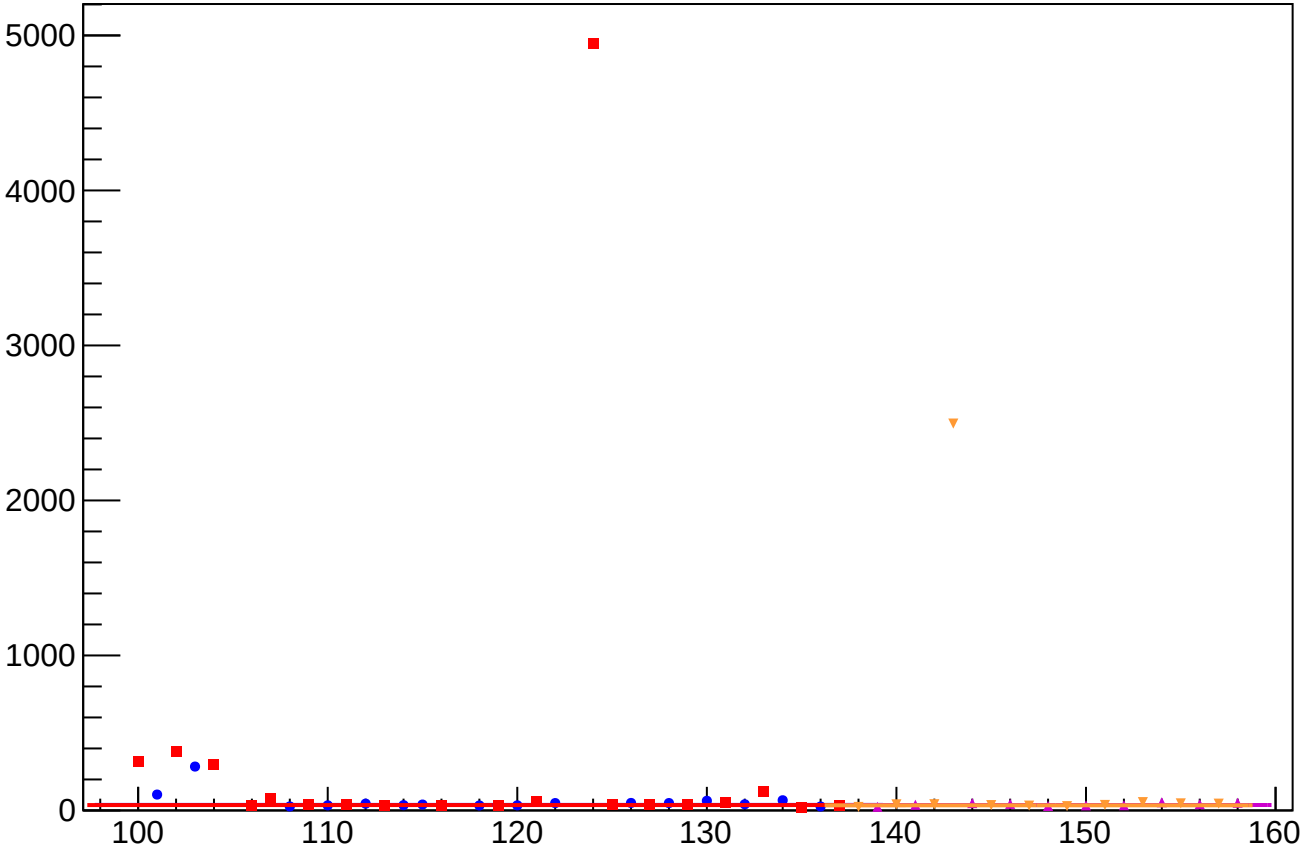
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.028+/-0.010 χ^2/NDF:34.0/29

All: -0.008+/-0.007 χ^2/NDF: 58.8/55

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: 33.247+/-0.009 χ^2/NDF:2442580.7/10

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

Left: 34.206+/-0.007 χ^2/NDF: 3374889.5/20

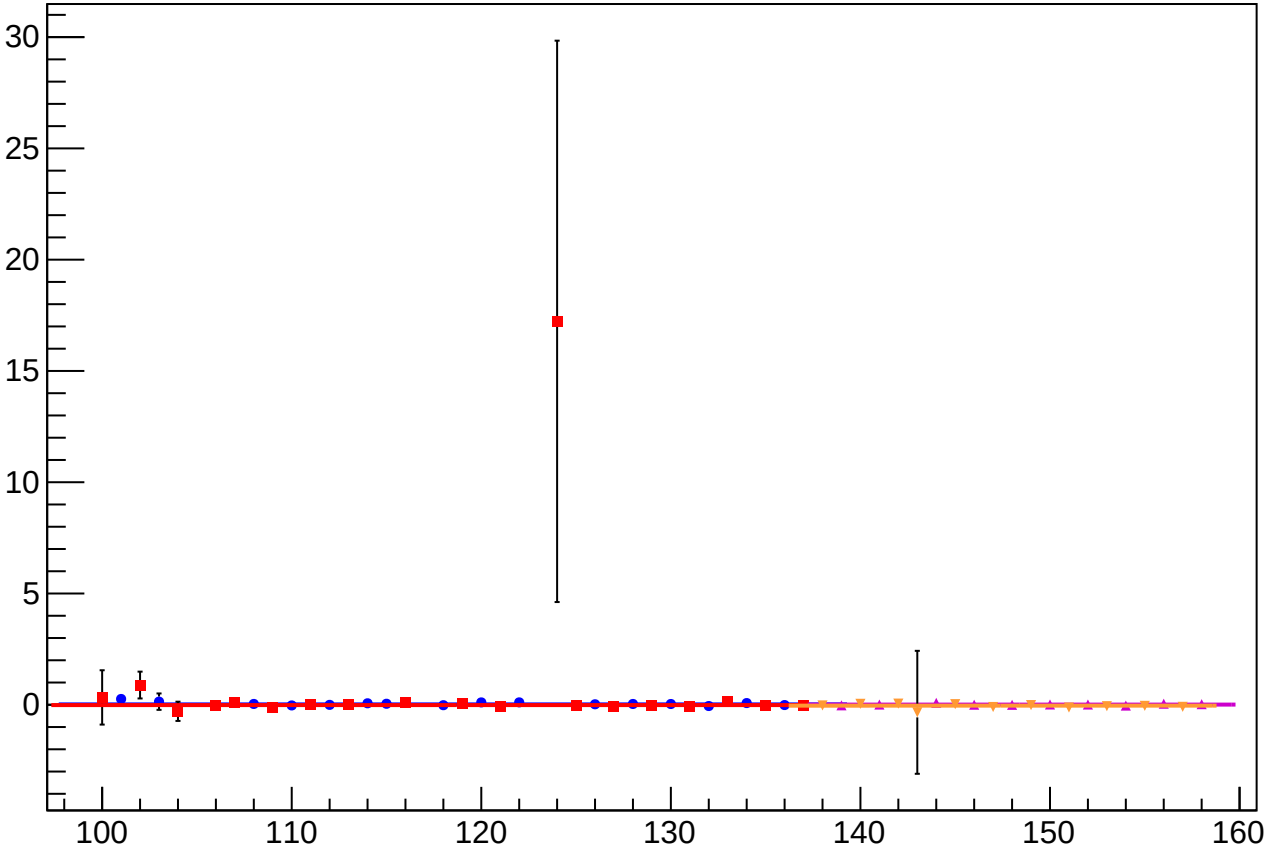
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.414+/-0.007 χ^2/NDF:3176667.1/25

Out: 33.885+/-0.007 χ^2/NDF:5368144.4/29

All: 34.650+/-0.005 χ^2/NDF: 8568159.9/55

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: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.008+/-0.013 χ^2/NDF:5.0/9

Left: -0.015+/-0.009 χ^2/NDF: 28.0/20

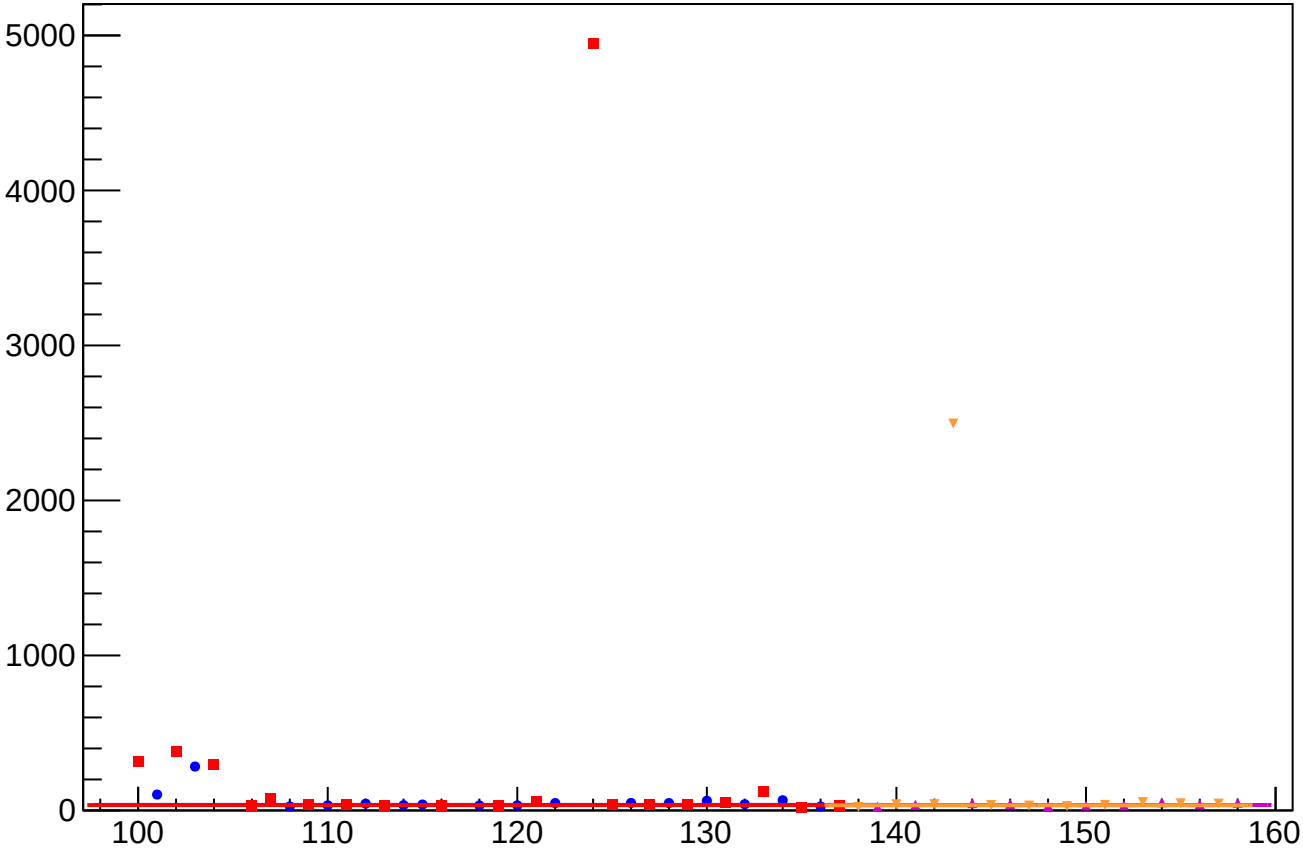
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.010 χ^2/NDF:16.7/25

Out: -0.028+/-0.010 χ^2/NDF:34.0/29

All: -0.008+/-0.007 χ^2/NDF: 58.8/55

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: 33.247+/-0.009 χ^2/NDF:2442580.7/10

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

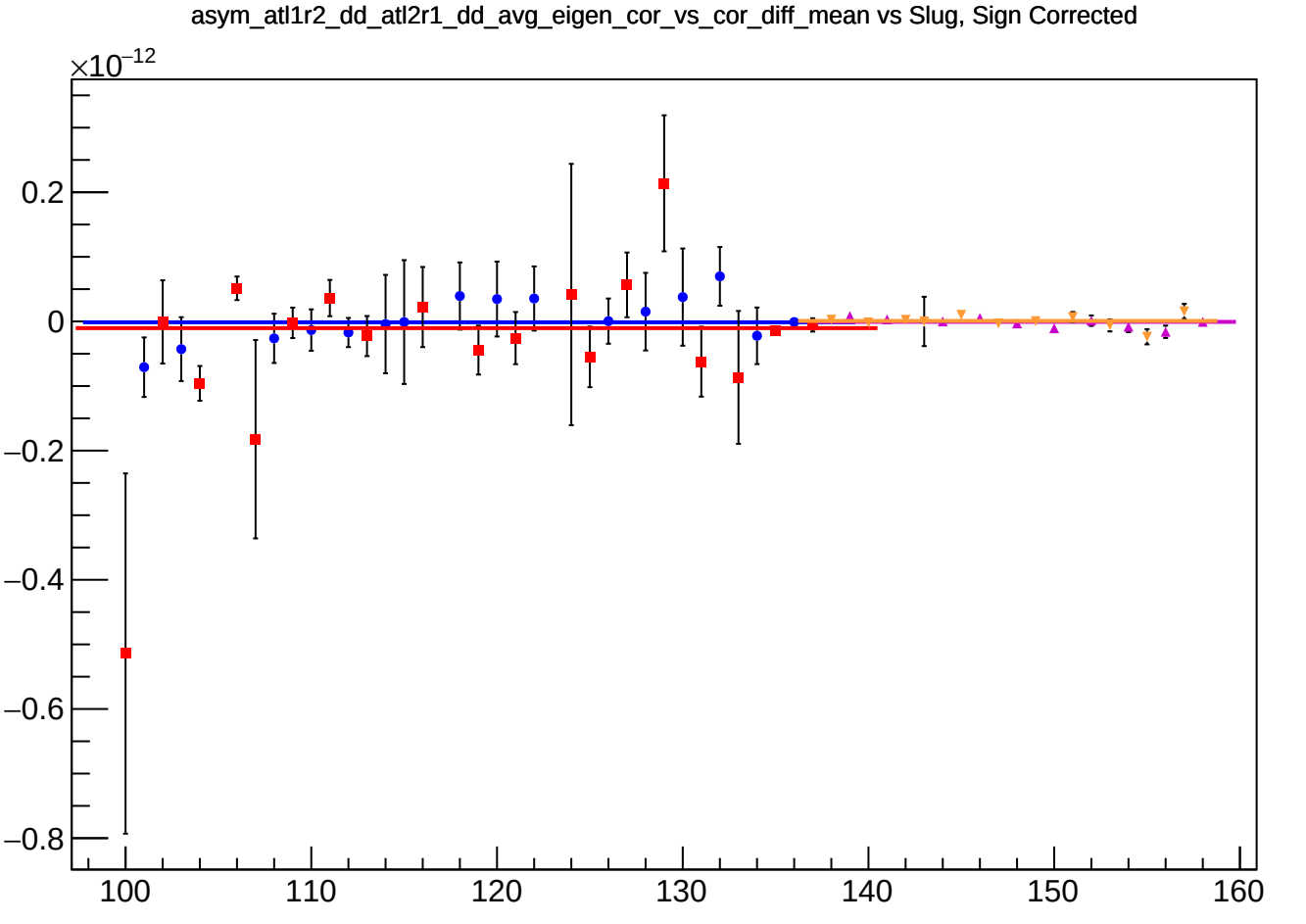
Left: 34.206+/-0.007 χ^2/NDF: 3374889.5/20

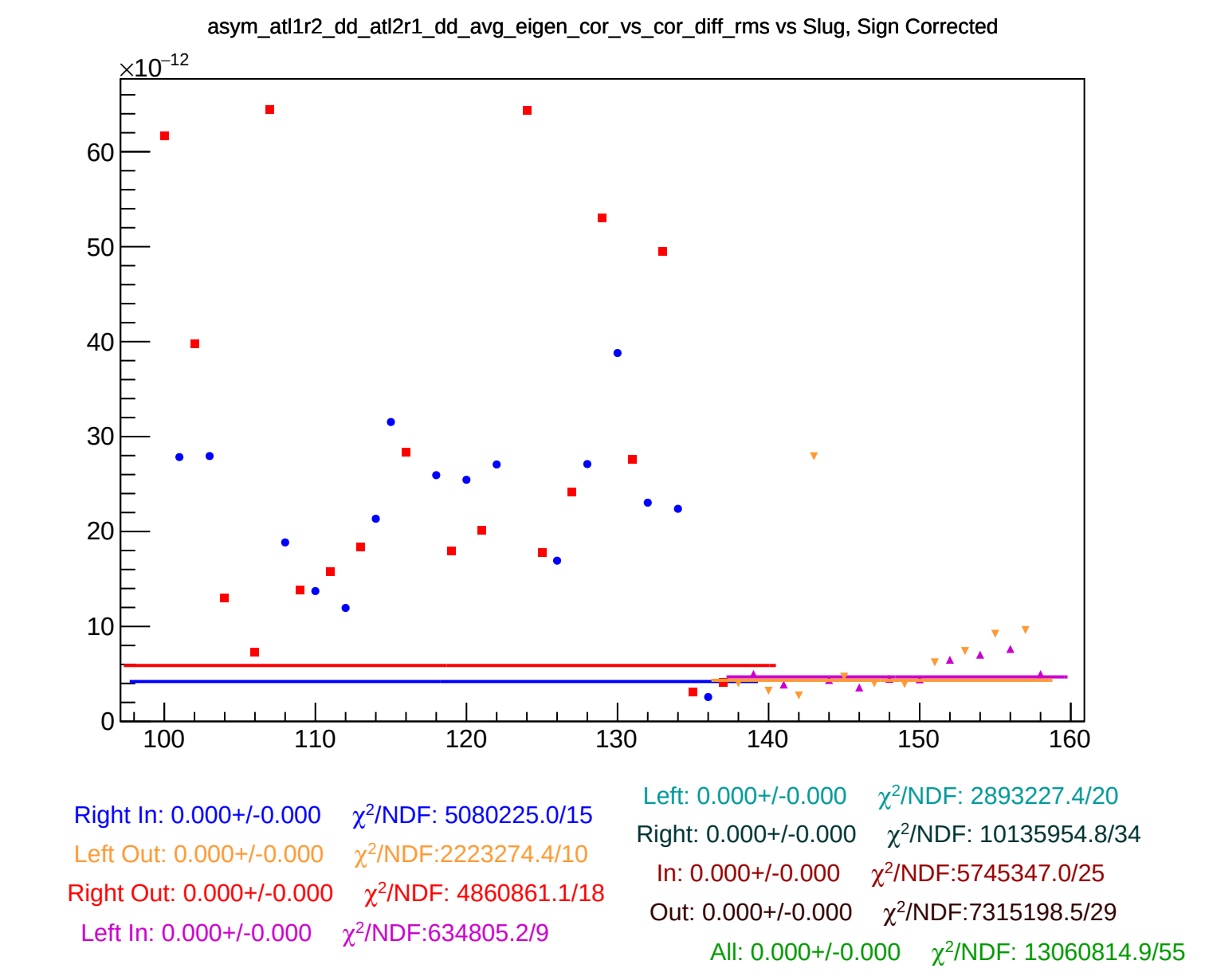
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

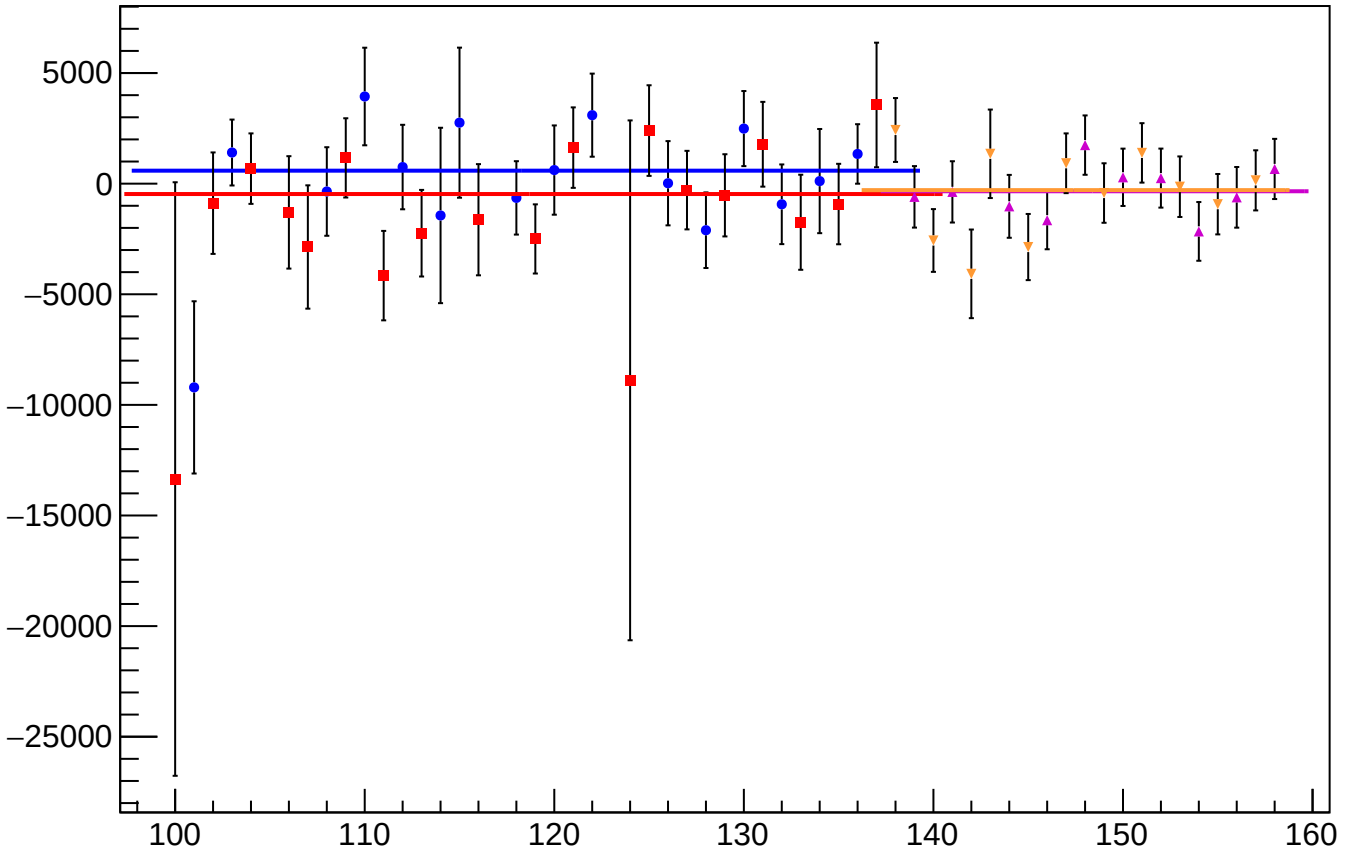
In: 35.414+/-0.007 χ^2/NDF:3176667.1/25

Out: 33.885+/-0.007 χ^2/NDF:5368144.4/29

All: 34.650+/-0.005 χ^2/NDF: 8568159.9/55


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/10
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:11.0/9
Left: 0.000+/-0.000 χ²/NDF: 21.6/20
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: -0.000+/-0.000 χ²/NDF:19.7/25
Out: -0.000+/-0.000 χ²/NDF:56.0/29
All: -0.000+/-0.000 χ²/NDF: 75.7/55


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2223274.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:634805.2/9
Left: 0.000+/-0.000 χ²/NDF: 2893227.4/20
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5745347.0/25
Out: 0.000+/-0.000 χ²/NDF:7315198.5/29
All: 0.000+/-0.000 χ²/NDF: 13060814.9/55



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -292.982+/-438.941 χ^2/NDF:16.0/10

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -343.703+/-427.742 χ^2/NDF:6.6/9

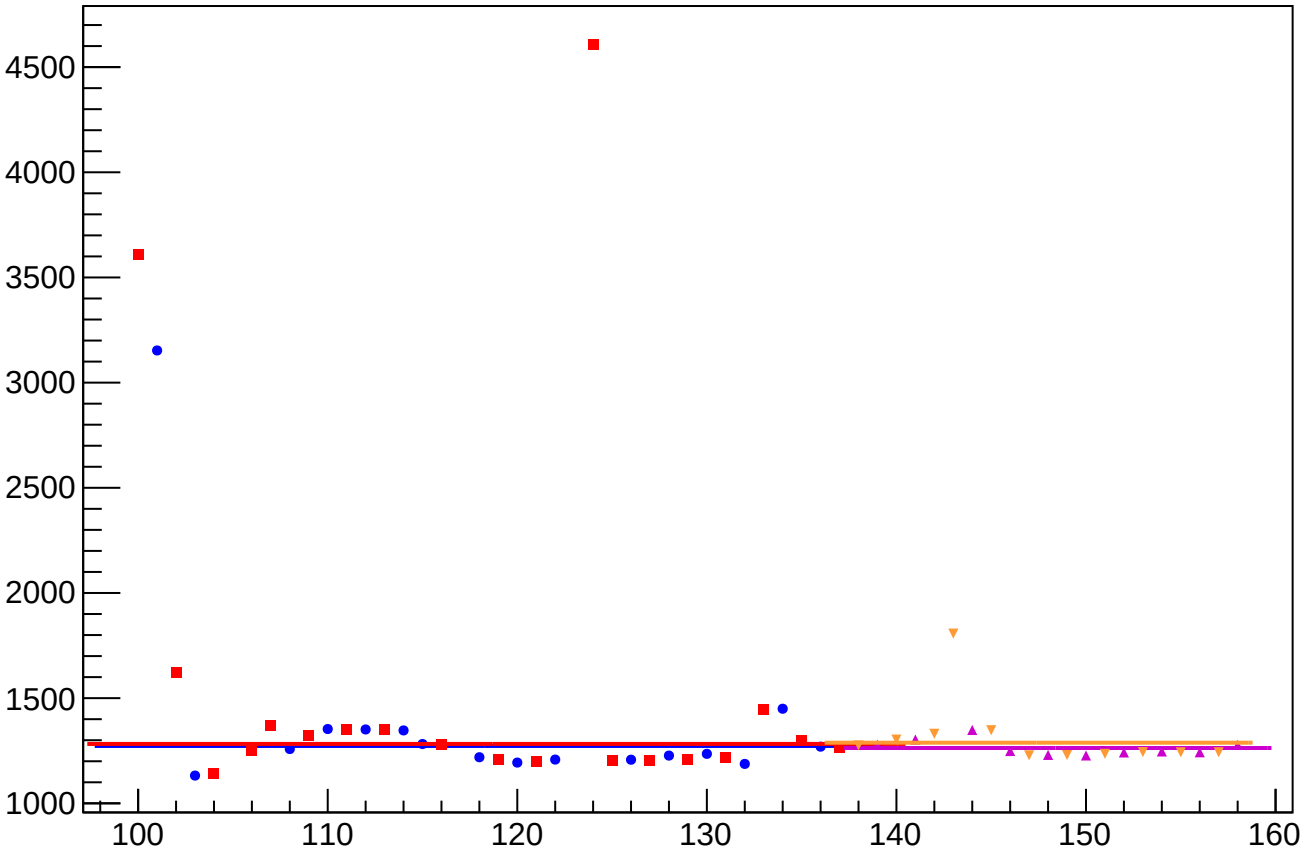
Left: -318.998+/-306.342 χ^2/NDF: 22.6/20

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 65.896+/-320.057 χ^2/NDF:25.7/25

Out: -373.054+/-324.081 χ^2/NDF:33.0/29

All: -150.837+/-227.724 χ^2/NDF: 59.6/55



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

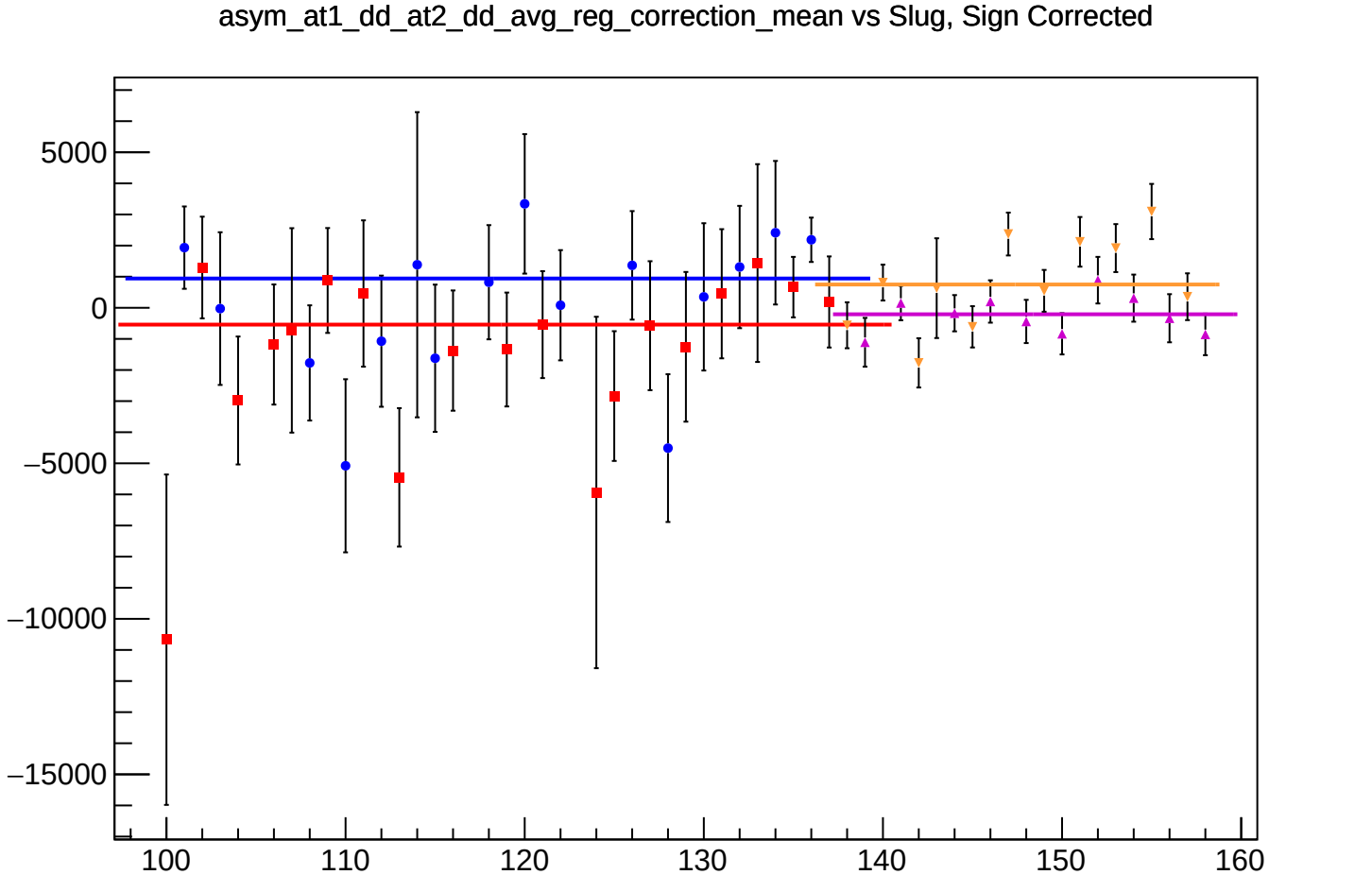
Left: 1275.271+/-0.217 χ^2/NDF: 173396.4/20

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1267.295+/-0.226 χ^2/NDF:533381.6/25

Out: 1285.562+/-0.229 χ^2/NDF:478621.1/29

All: 1276.315+/-0.161 χ^2/NDF: 1015219.4/55



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 748.783+/-225.229 χ^2/NDF:35.7/10

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -208.554+/-214.349 χ^2/NDF:6.7/9

Left: 246.434+/-155.271 χ^2/NDF: 51.8/20

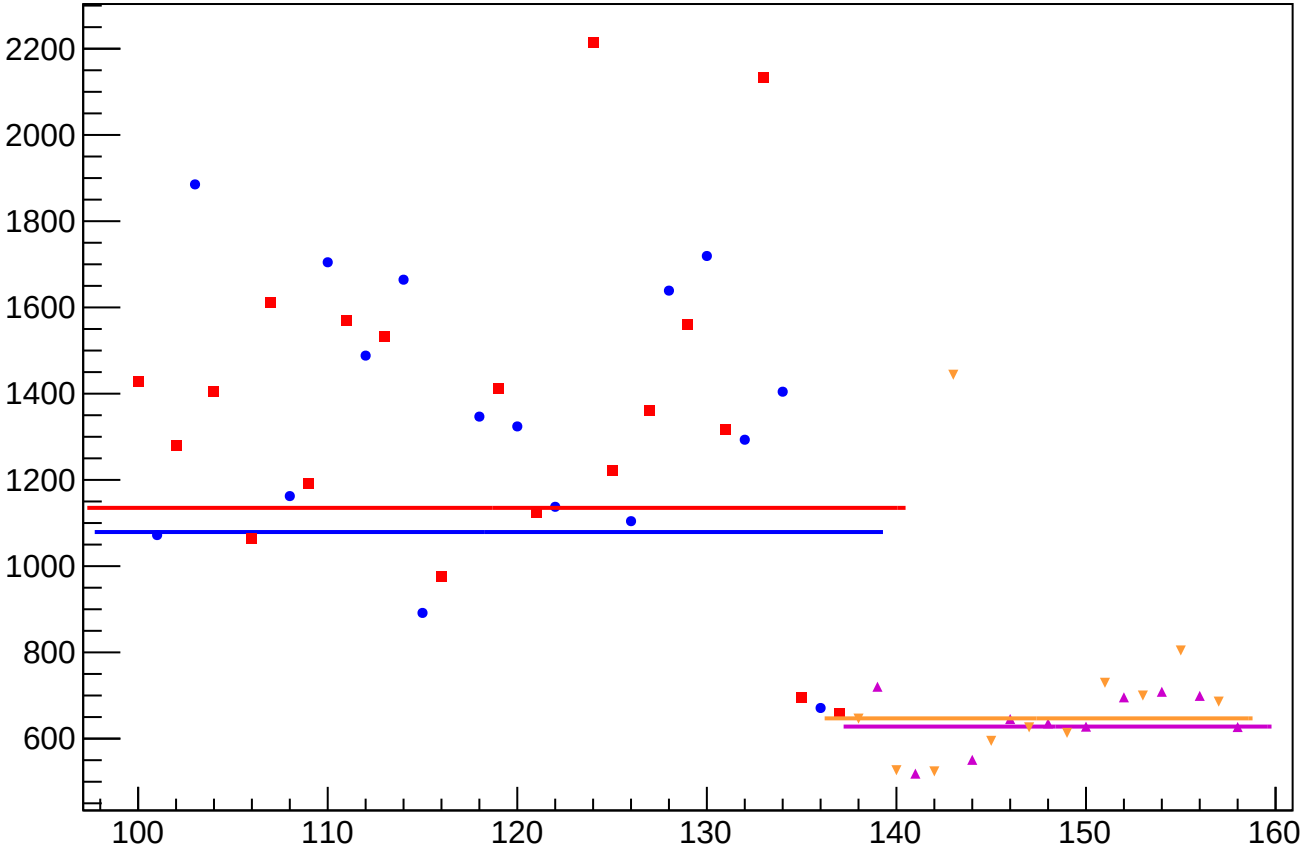
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 23.982+/-191.461 χ^2/NDF:32.4/25

Out: 480.982+/-200.480 χ^2/NDF:59.6/29

All: 241.973+/-138.462 χ^2/NDF: 94.8/55

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: 646.986+/-0.159 χ^2/NDF:747493.9/10

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 627.946+/-0.152 χ^2/NDF:198007.2/9

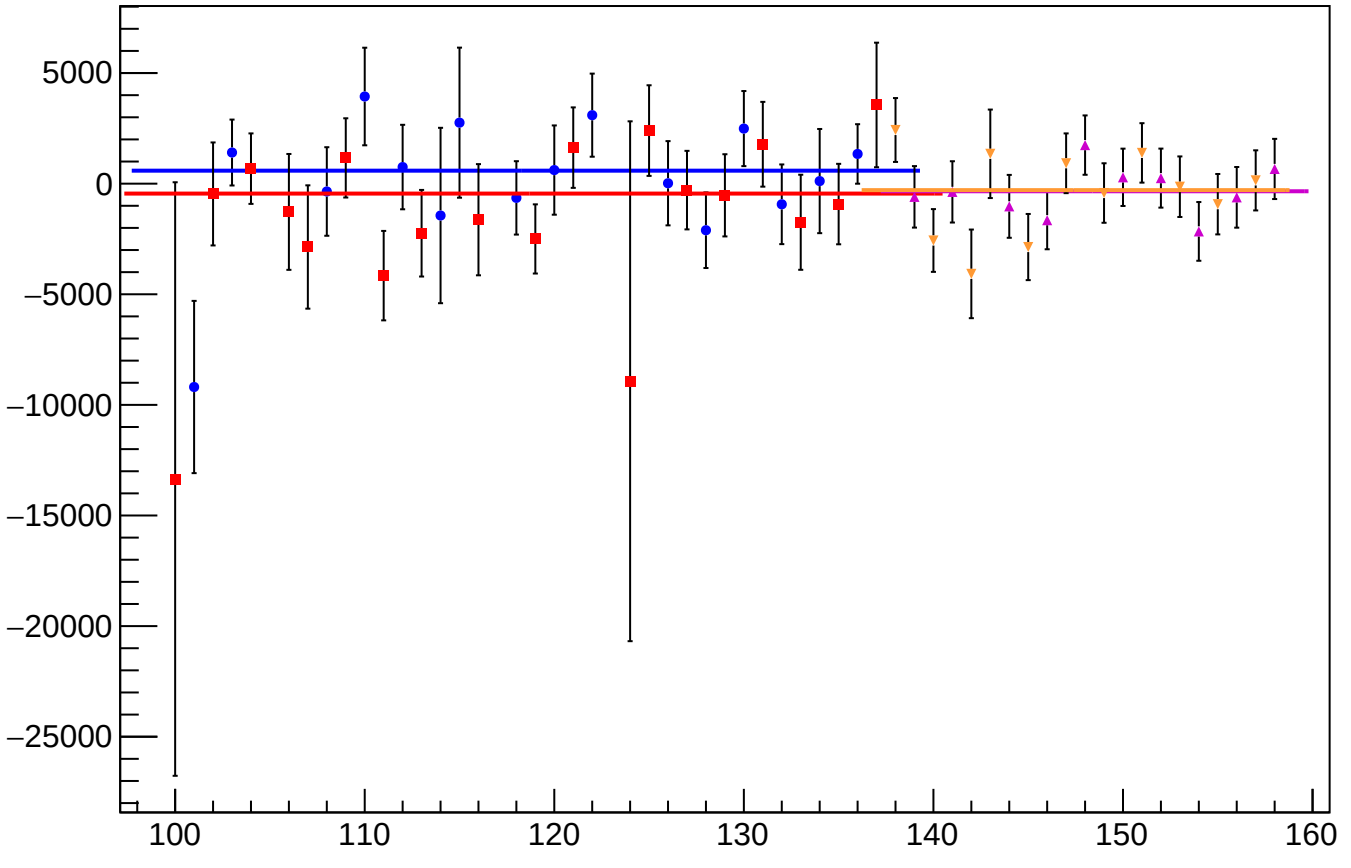
Left: 636.995+/-0.110 χ^2/NDF: 953001.2/20

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 719.151+/-0.135 χ^2/NDF:3471469.7/25

Out: 748.377+/-0.142 χ^2/NDF:3992018.2/29

All: 733.092+/-0.098 χ^2/NDF: 7485717.0/55



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -343.688+/-427.742 χ^2/NDF:6.6/9

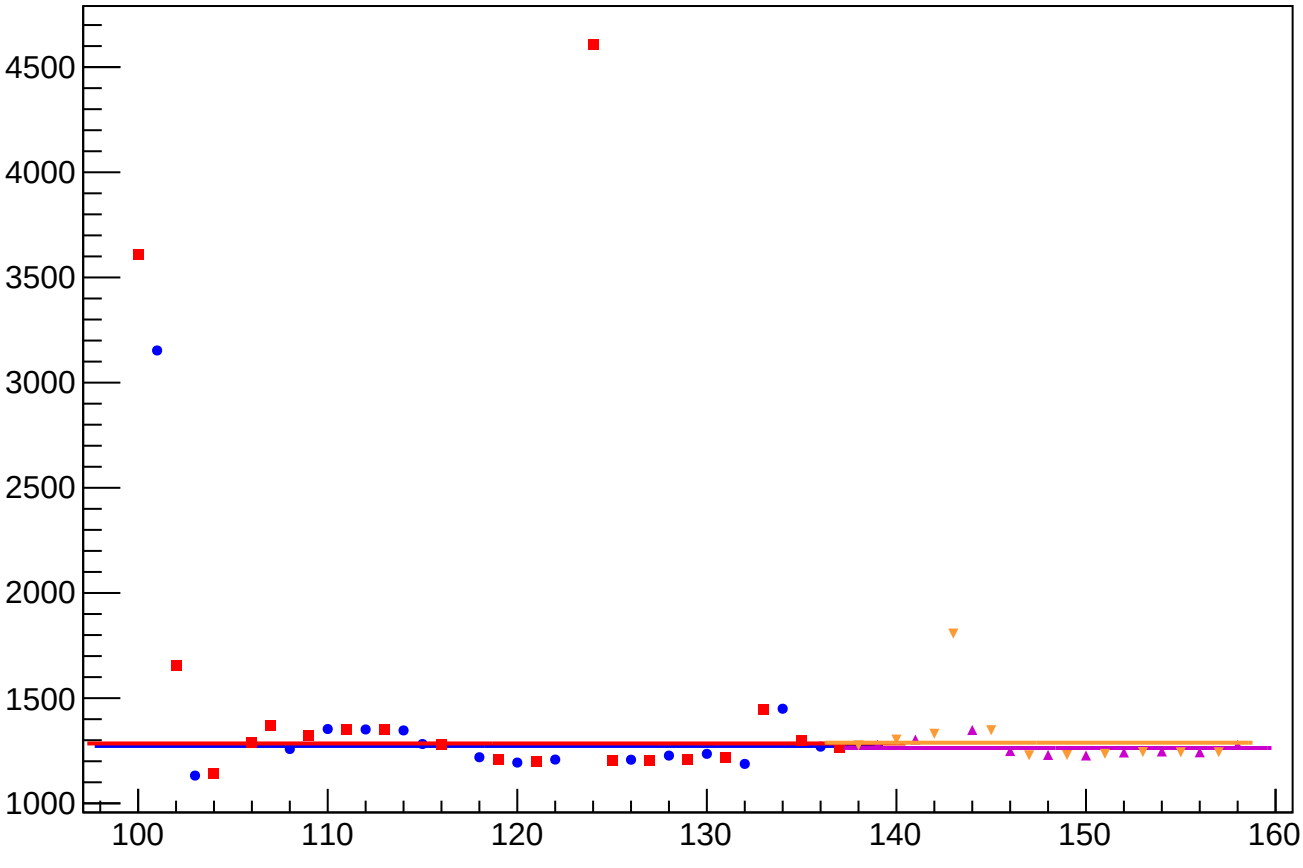
Left: -319.056+/-306.342 χ^2/NDF: 22.6/20

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 66.045+/-320.057 χ^2/NDF:25.7/25

Out: -363.626+/-324.332 χ^2/NDF:32.9/29

All: -145.940+/-227.811 χ^2/NDF: 59.5/55



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

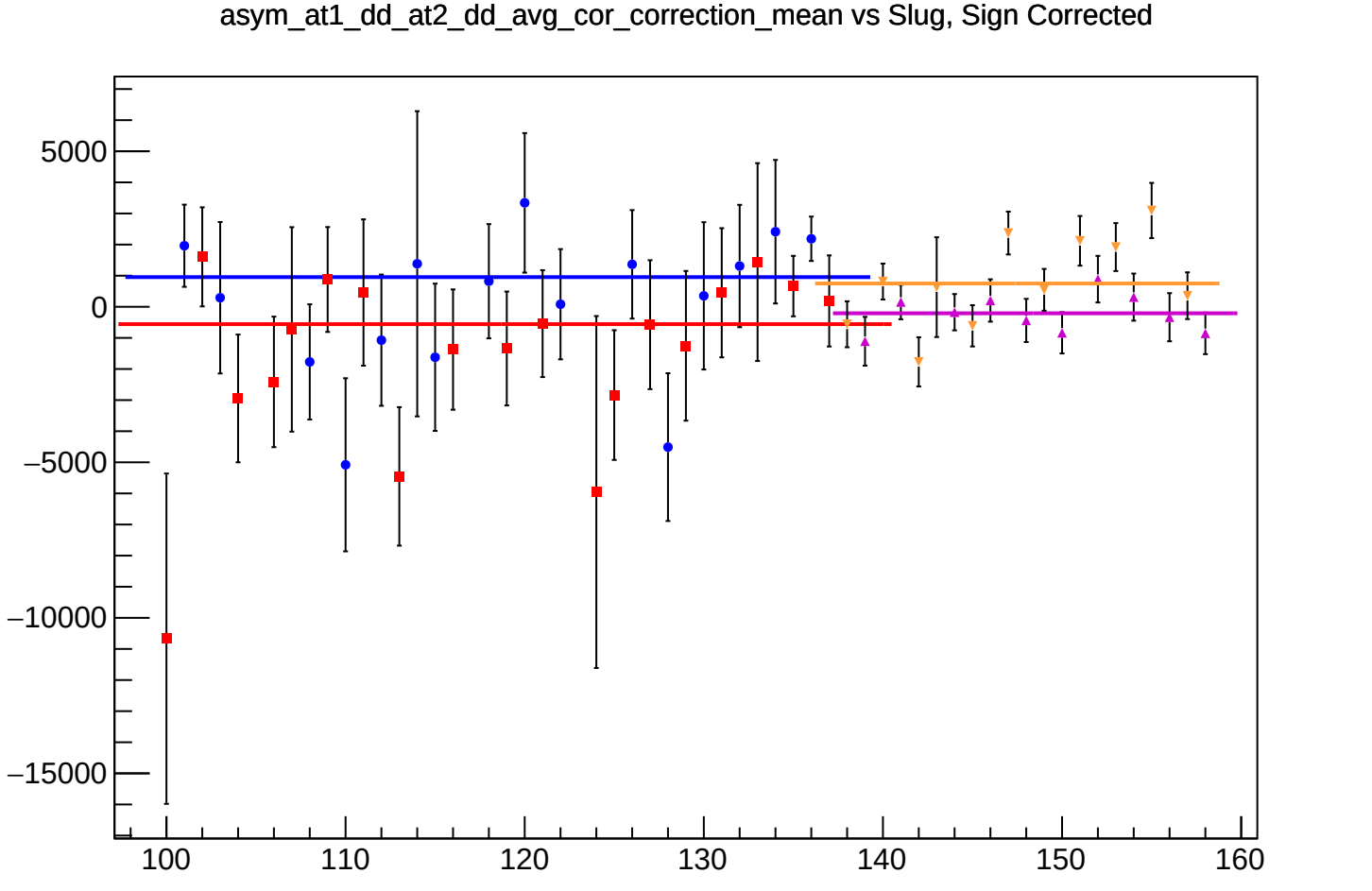
Left: 1275.271+/-0.217 χ^2/NDF: 173396.4/20

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1267.295+/-0.226 χ^2/NDF:533383.0/25

Out: 1286.607+/-0.229 χ^2/NDF:485175.2/29

All: 1276.823+/-0.161 χ^2/NDF: 1022150.5/55



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -208.524+/-214.348 χ^2/NDF:6.7/9

Left: 246.418+/-155.272 χ^2/NDF: 51.8/20

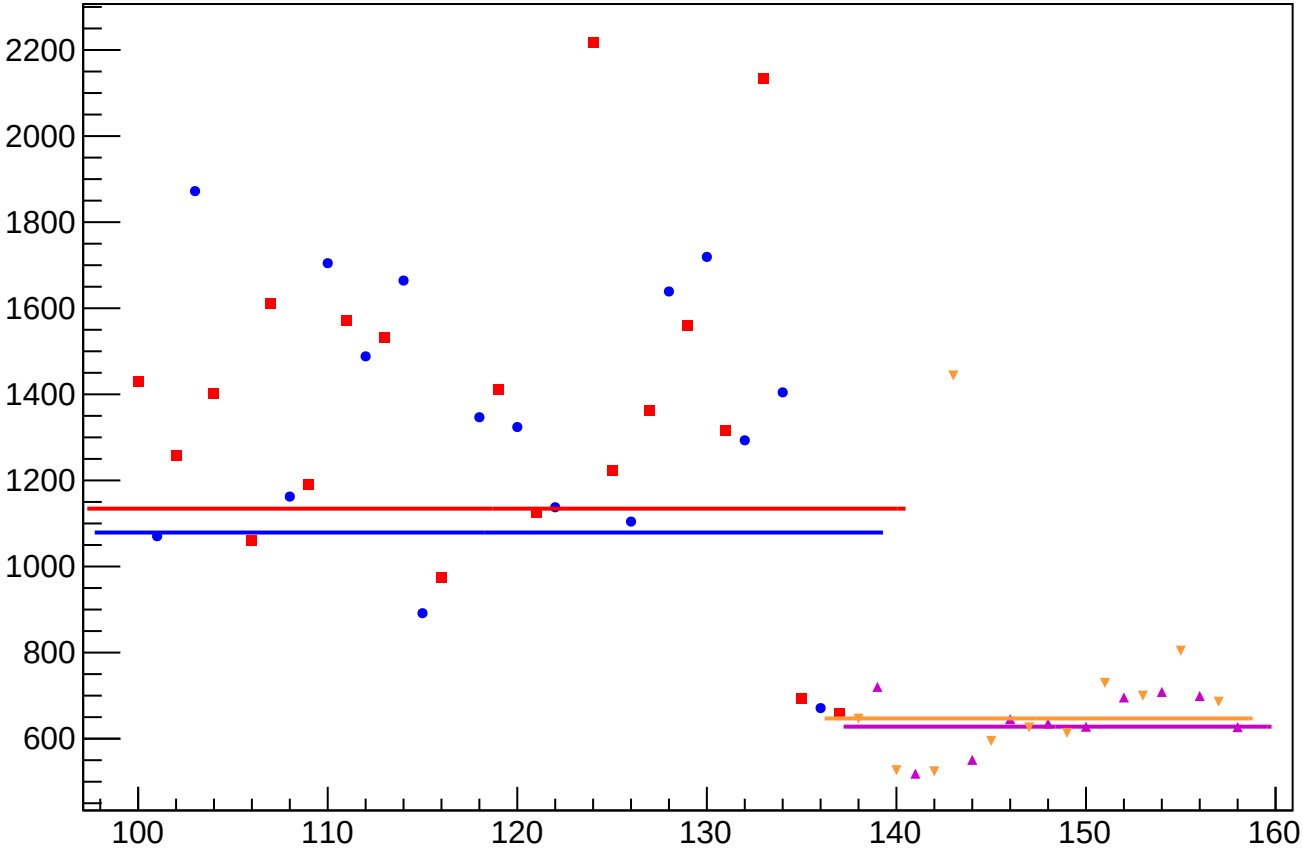
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.665+/-191.445 χ^2/NDF:32.5/25

Out: 478.172+/-200.562 χ^2/NDF:61.0/29

All: 241.923+/-138.483 χ^2/NDF: 96.2/55

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

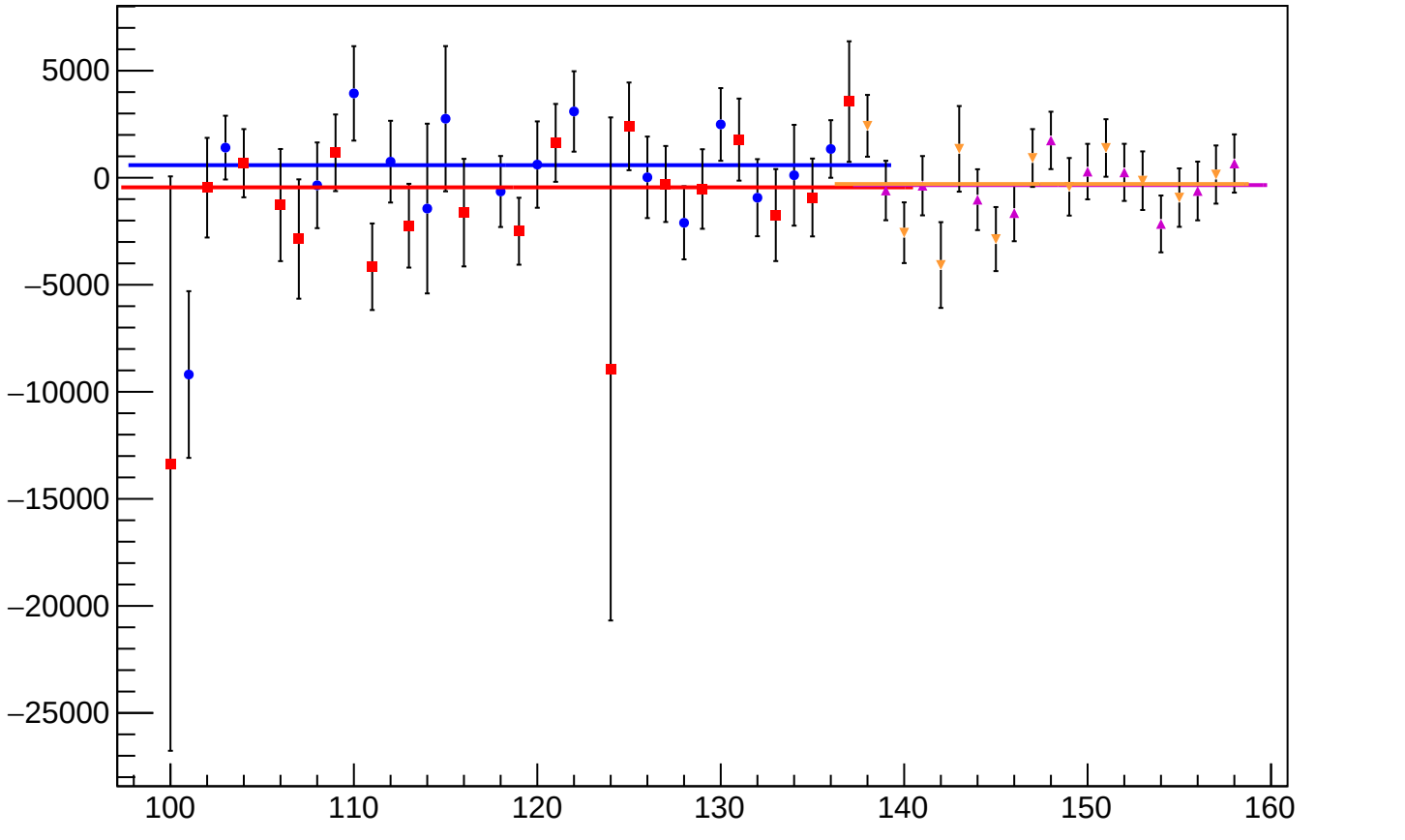
Left: 636.997+/-0.110 χ^2/NDF: 952939.5/20

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 719.170+/-0.135 χ^2/NDF:3467705.3/25

Out: 747.922+/-0.142 χ^2/NDF:3975854.2/29

All: 732.878+/-0.098 χ^2/NDF: 7465065.2/55



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -343.688+/-427.742 χ^2/NDF:6.6/9

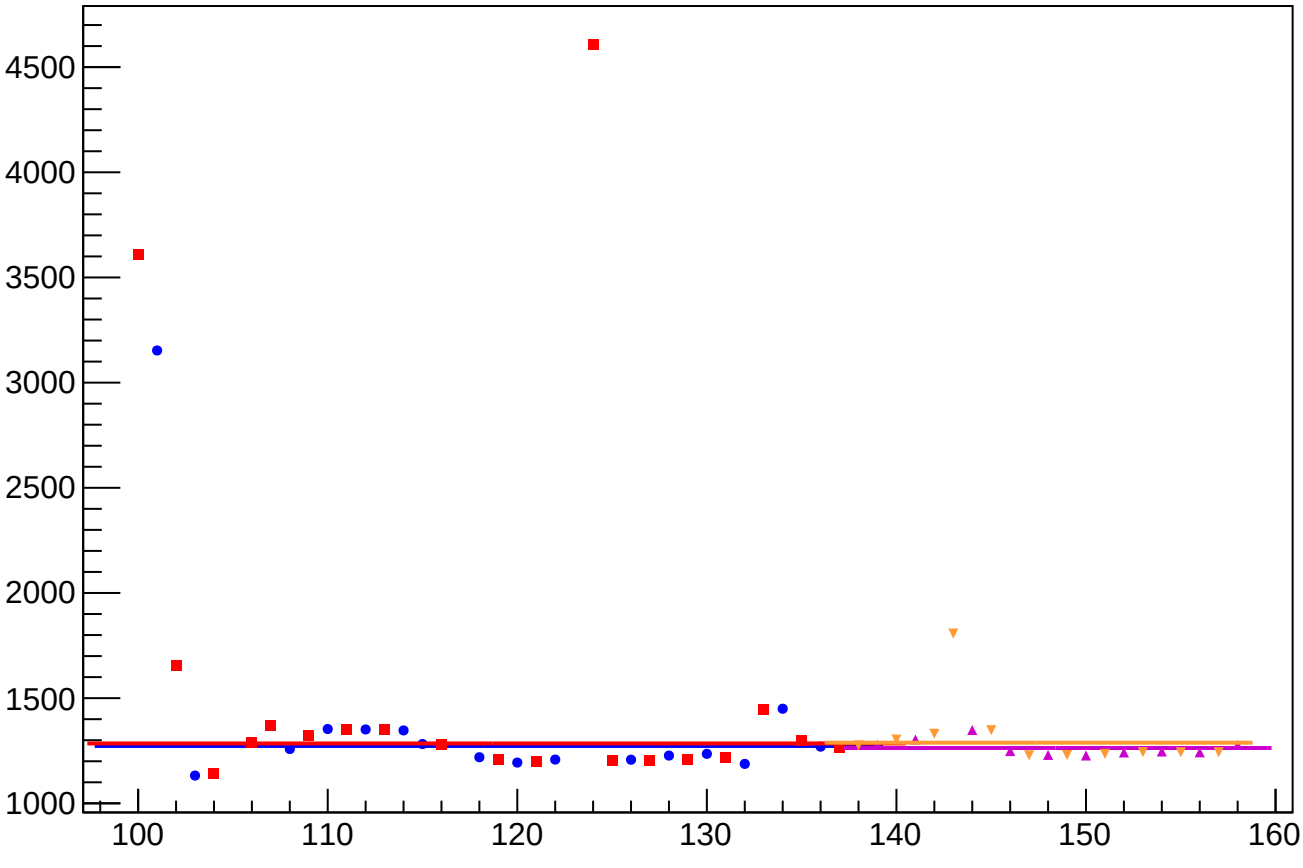
Left: -319.056+/-306.342 χ^2/NDF: 22.6/20

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 66.045+/-320.057 χ^2/NDF:25.7/25

Out: -363.626+/-324.332 χ^2/NDF:32.9/29

All: -145.940+/-227.811 χ^2/NDF: 59.5/55



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

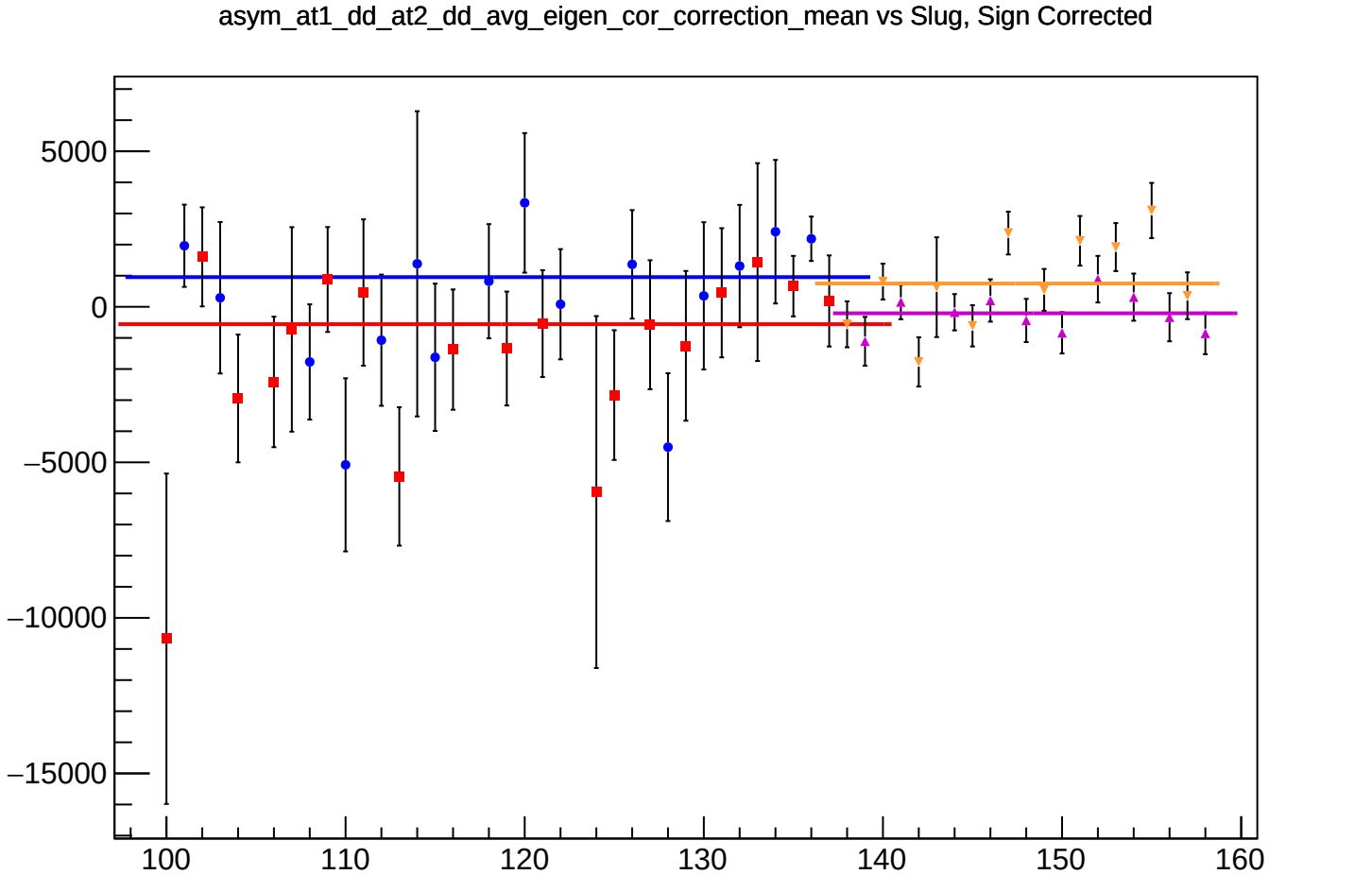
Left: 1275.271+/-0.217 χ^2/NDF: 173396.4/20

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1267.295+/-0.226 χ^2/NDF:533383.0/25

Out: 1286.607+/-0.229 χ^2/NDF:485175.2/29

All: 1276.823+/-0.161 χ^2/NDF: 1022150.5/55



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -208.524+/-214.348 χ^2/NDF:6.7/9

Left: 246.418+/-155.272 χ^2/NDF: 51.8/20

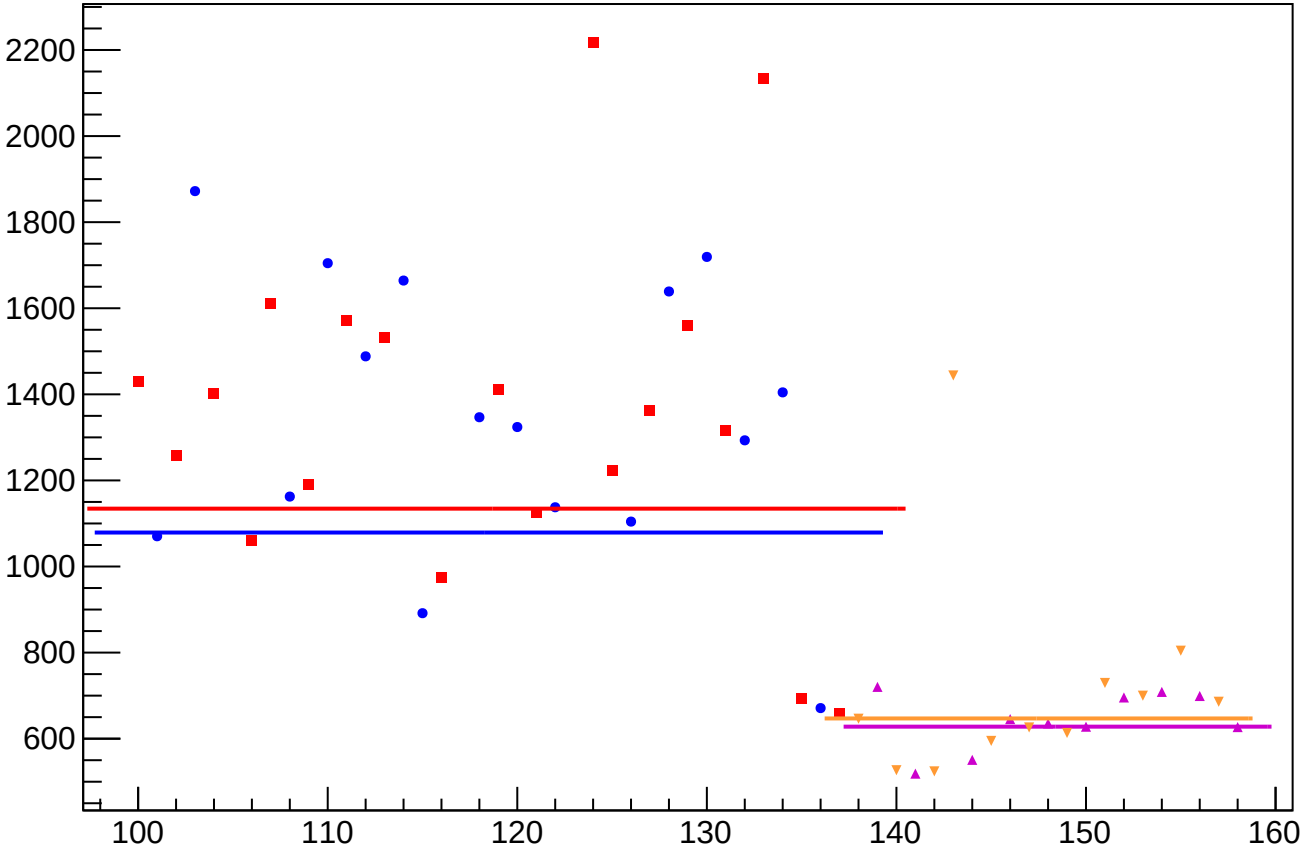
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.665+/-191.445 χ^2/NDF:32.5/25

Out: 478.172+/-200.562 χ^2/NDF:61.0/29

All: 241.923+/-138.483 χ^2/NDF: 96.2/55

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: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

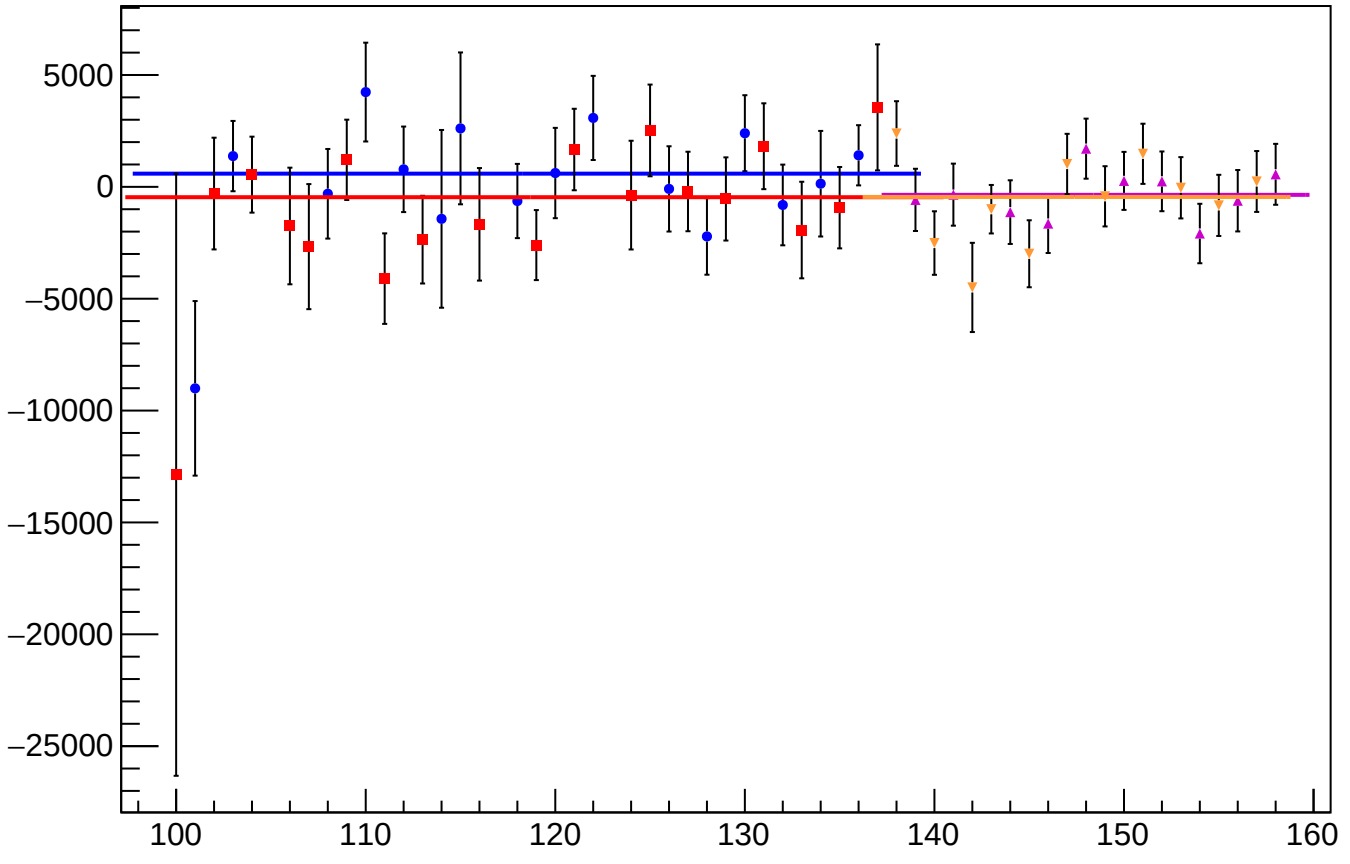
Left: 636.997+/-0.110 χ^2/NDF: 952939.5/20

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 719.170+/-0.135 χ^2/NDF:3467705.3/25

Out: 747.922+/-0.142 χ^2/NDF:3975854.2/29

All: 732.878+/-0.098 χ^2/NDF: 7465065.2/55



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -451.272+/-415.740 χ^2/NDF:16.9/10

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -357.693+/-428.095 χ^2/NDF:6.3/9

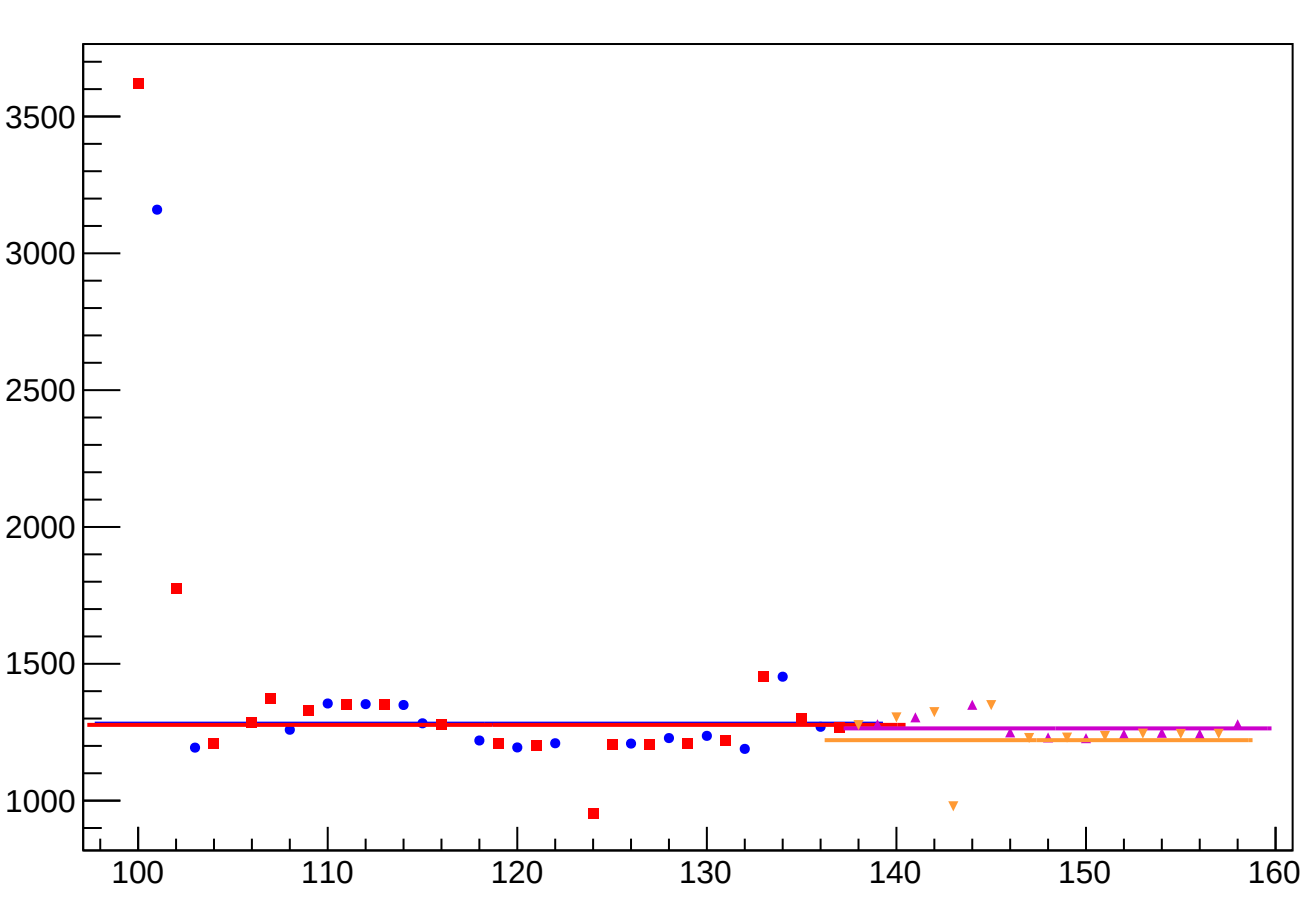
Left: -405.852+/-298.245 χ^2/NDF: 23.2/20

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 56.997+/-321.091 χ^2/NDF:25.5/25

Out: -456.167+/-313.350 χ^2/NDF:33.6/29

All: -205.845+/-224.259 χ^2/NDF: 60.4/55



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131254.4/10

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

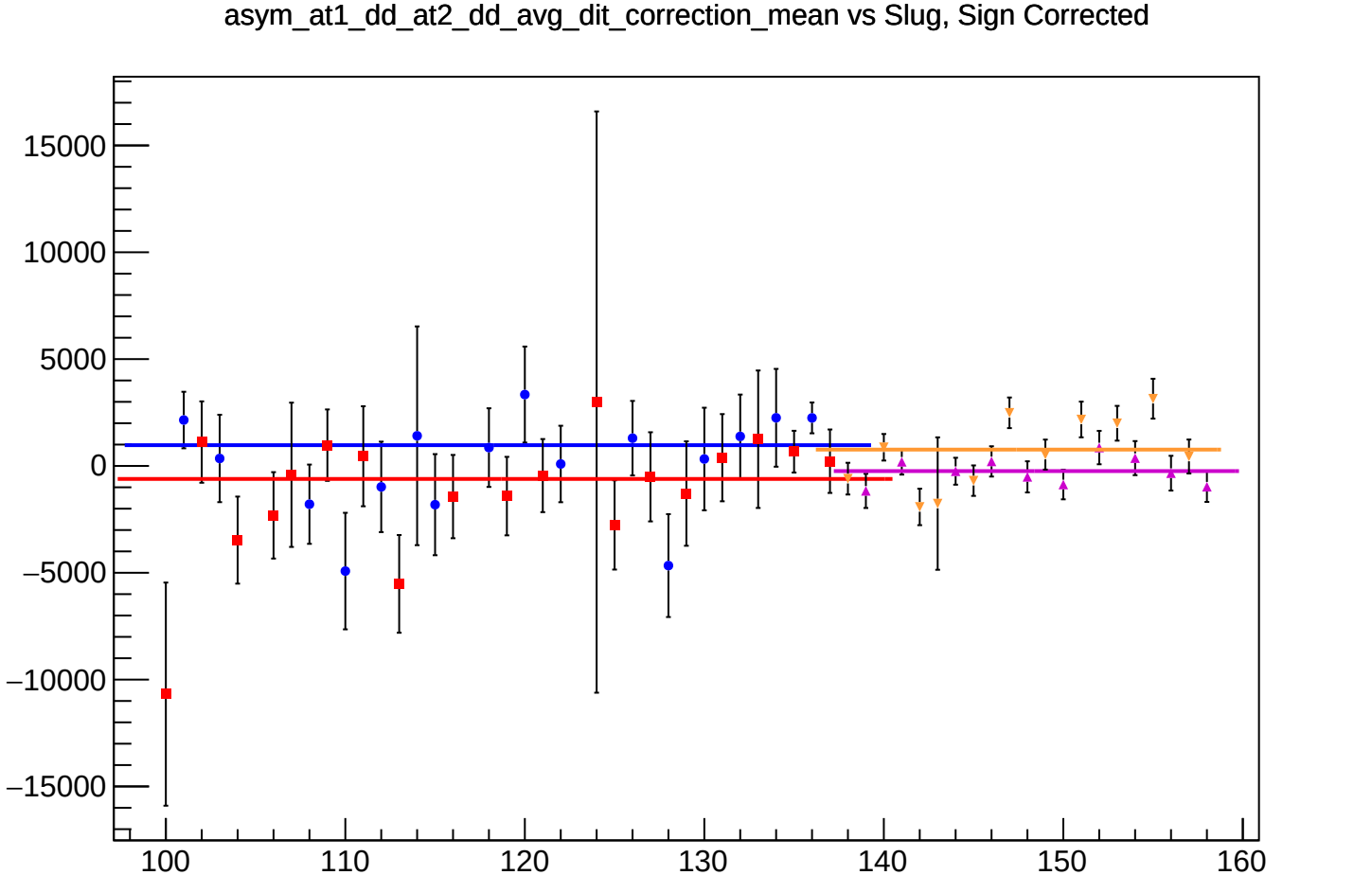
Left: 1241.854+/-0.211 χ^2/NDF: 155401.3/20

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1271.597+/-0.227 χ^2/NDF:522266.3/25

Out: 1245.109+/-0.222 χ^2/NDF:367380.9/29

All: 1258.030+/-0.159 χ^2/NDF: 896618.6/55



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 764.681+/-239.039 χ^2/NDF:35.8/10

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -240.791+/-226.406 χ^2/NDF:6.9/9

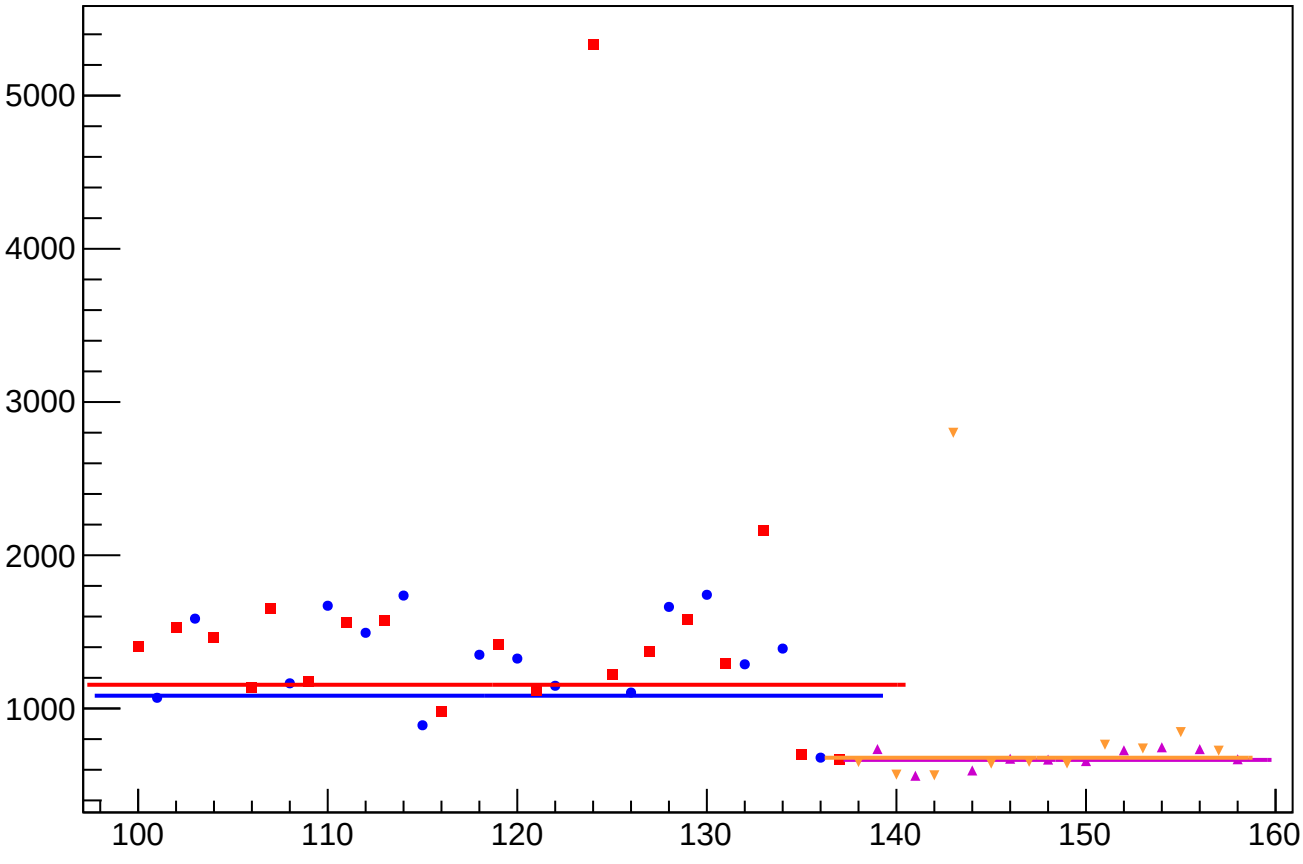
Left: 234.674+/-164.378 χ^2/NDF: 52.0/20

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 27.154+/-199.844 χ^2/NDF:33.6/25

Out: 460.109+/-210.869 χ^2/NDF:60.2/29

All: 232.018+/-145.052 χ^2/NDF: 96.1/55



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 678.507+/-0.169 χ^2/NDF:1155522.0/10

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.408+/-0.160 χ^2/NDF:148962.3/9

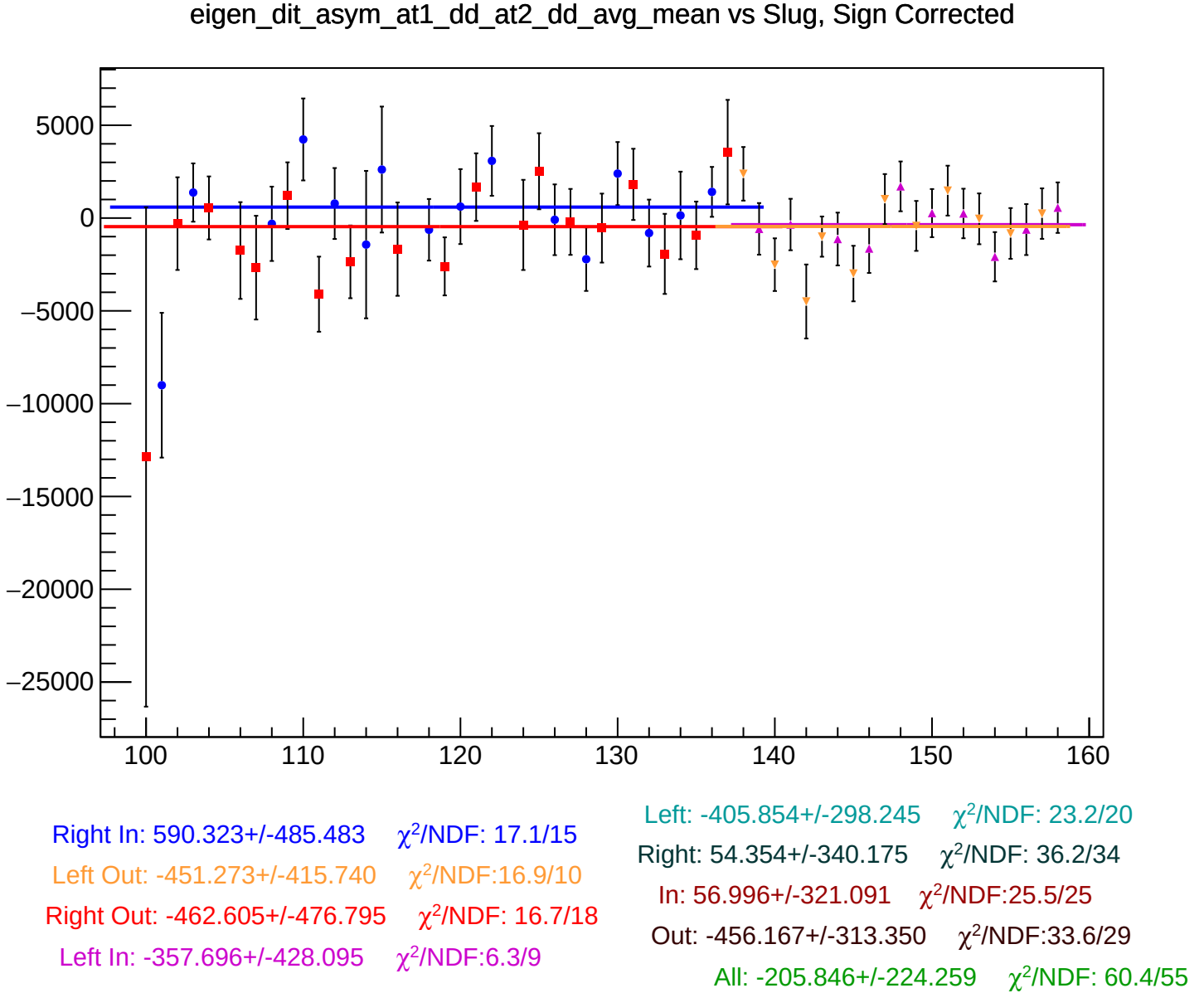
Left: 671.075+/-0.116 χ^2/NDF: 1308151.7/20

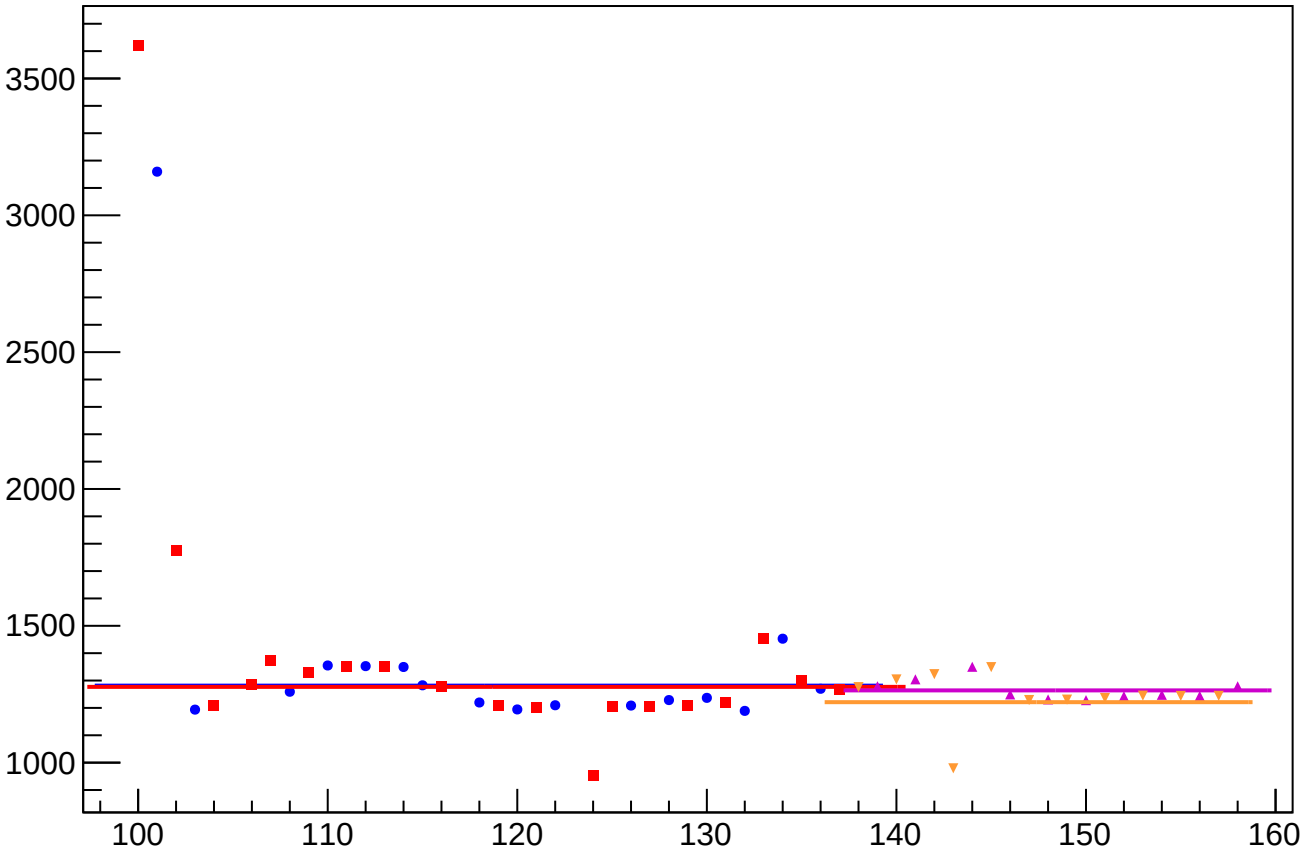
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 756.940+/-0.141 χ^2/NDF:3021581.8/25

Out: 784.137+/-0.149 χ^2/NDF:4404527.0/29

All: 769.809+/-0.103 χ^2/NDF: 7443635.8/55


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -451.273+/-415.740 χ²/NDF:16.9/10
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -357.696+/-428.095 χ²/NDF:6.3/9
Left: -405.854+/-298.245 χ²/NDF: 23.2/20
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 56.996+/-321.091 χ²/NDF:25.5/25
Out: -456.167+/-313.350 χ²/NDF:33.6/29
All: -205.846+/-224.259 χ²/NDF: 60.4/55



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131253.7/10

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

Left: 1241.854+/-0.211 χ^2/NDF: 155400.6/20

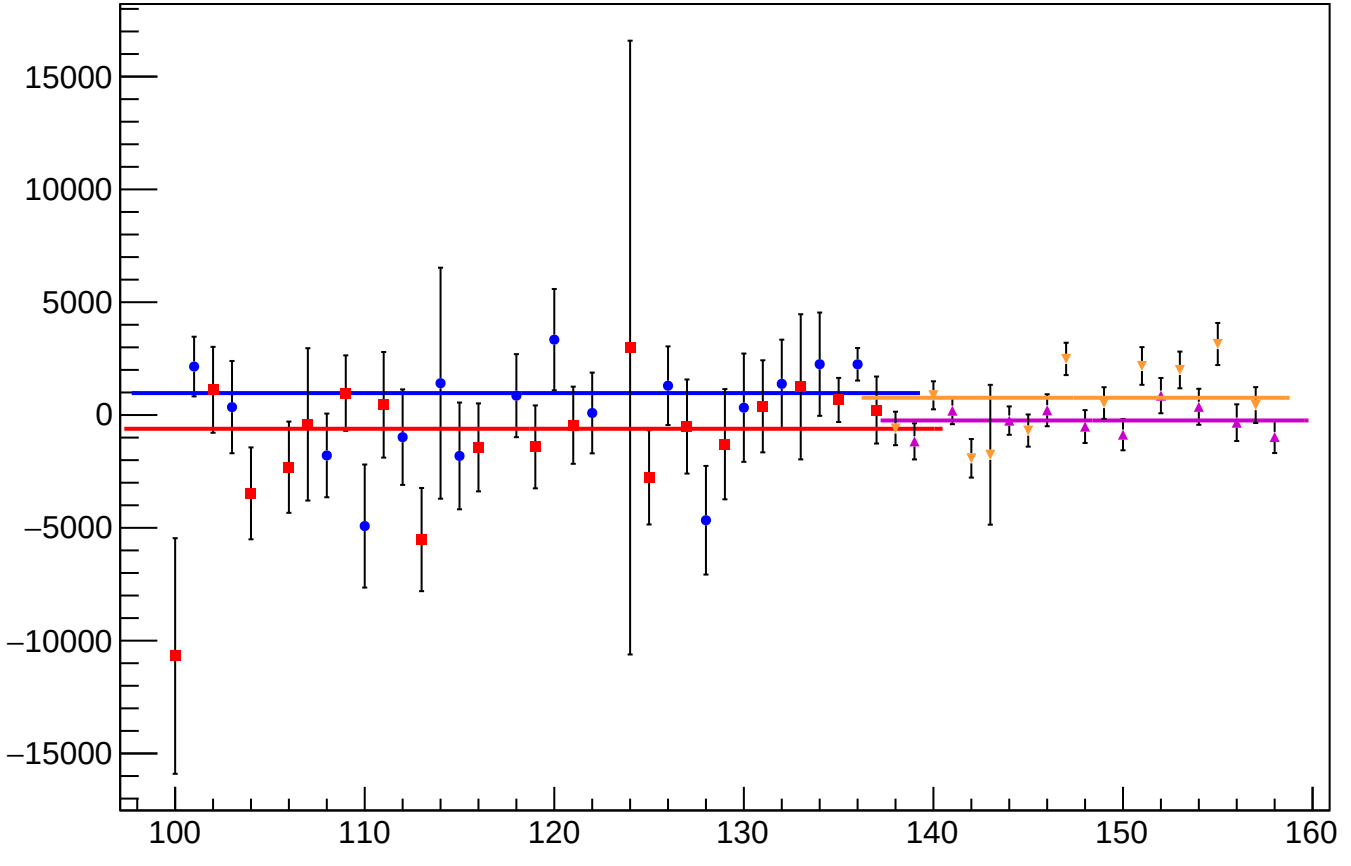
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1271.597+/-0.227 χ^2/NDF:522266.5/25

Out: 1245.109+/-0.222 χ^2/NDF:367379.9/29

All: 1258.030+/-0.159 χ^2/NDF: 896617.8/55

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: 764.685+/-239.040 χ^2/NDF:35.8/10

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -240.790+/-226.406 χ^2/NDF:6.9/9

Left: 234.676+/-164.378 χ^2/NDF: 52.0/20

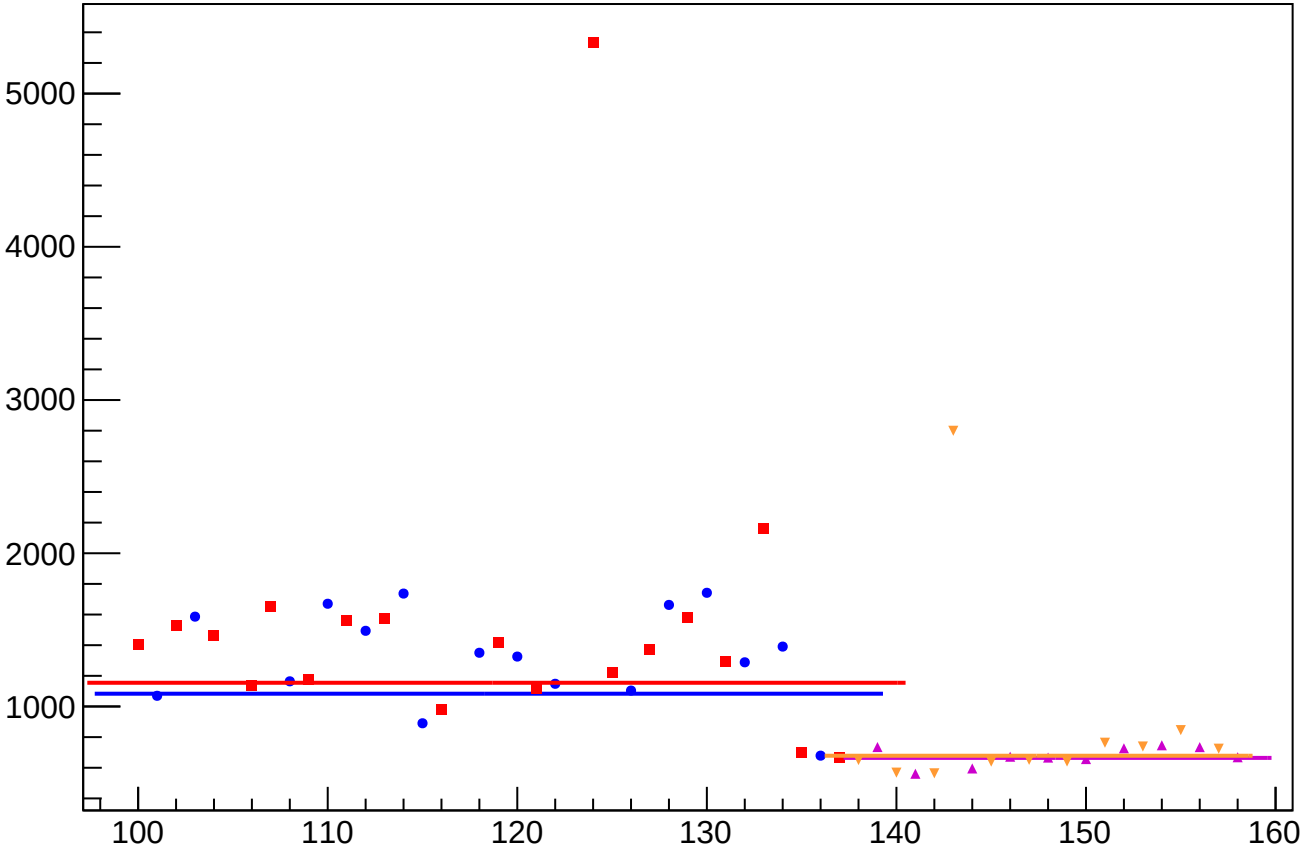
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 27.151+/-199.844 χ^2/NDF:33.6/25

Out: 460.112+/-210.869 χ^2/NDF:60.2/29

All: 232.017+/-145.052 χ^2/NDF: 96.1/55

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 678.508+/-0.169 χ^2/NDF:1155513.9/10

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.408+/-0.160 χ^2/NDF:148964.4/9

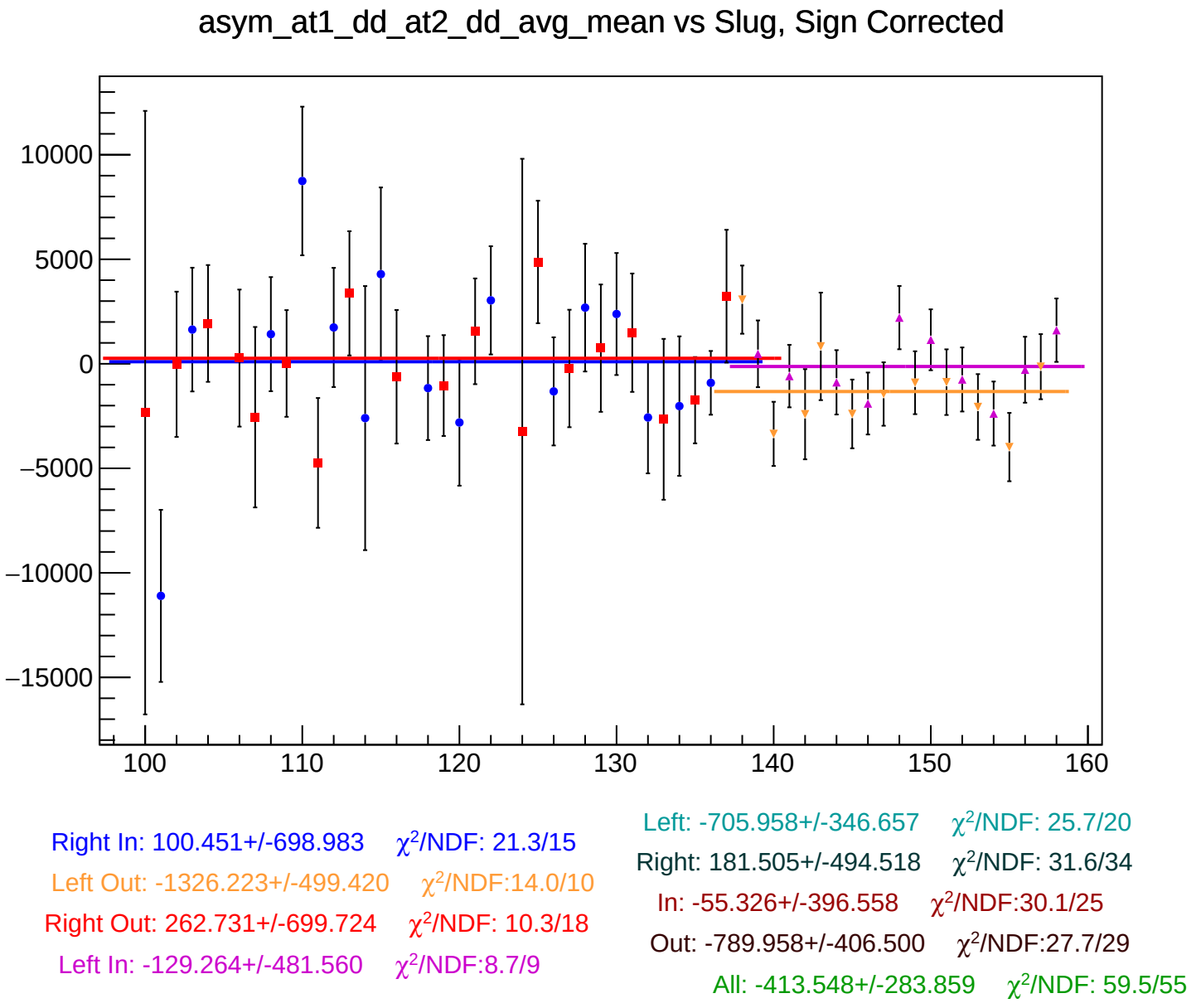
Left: 671.076+/-0.116 χ^2/NDF: 1308146.5/20

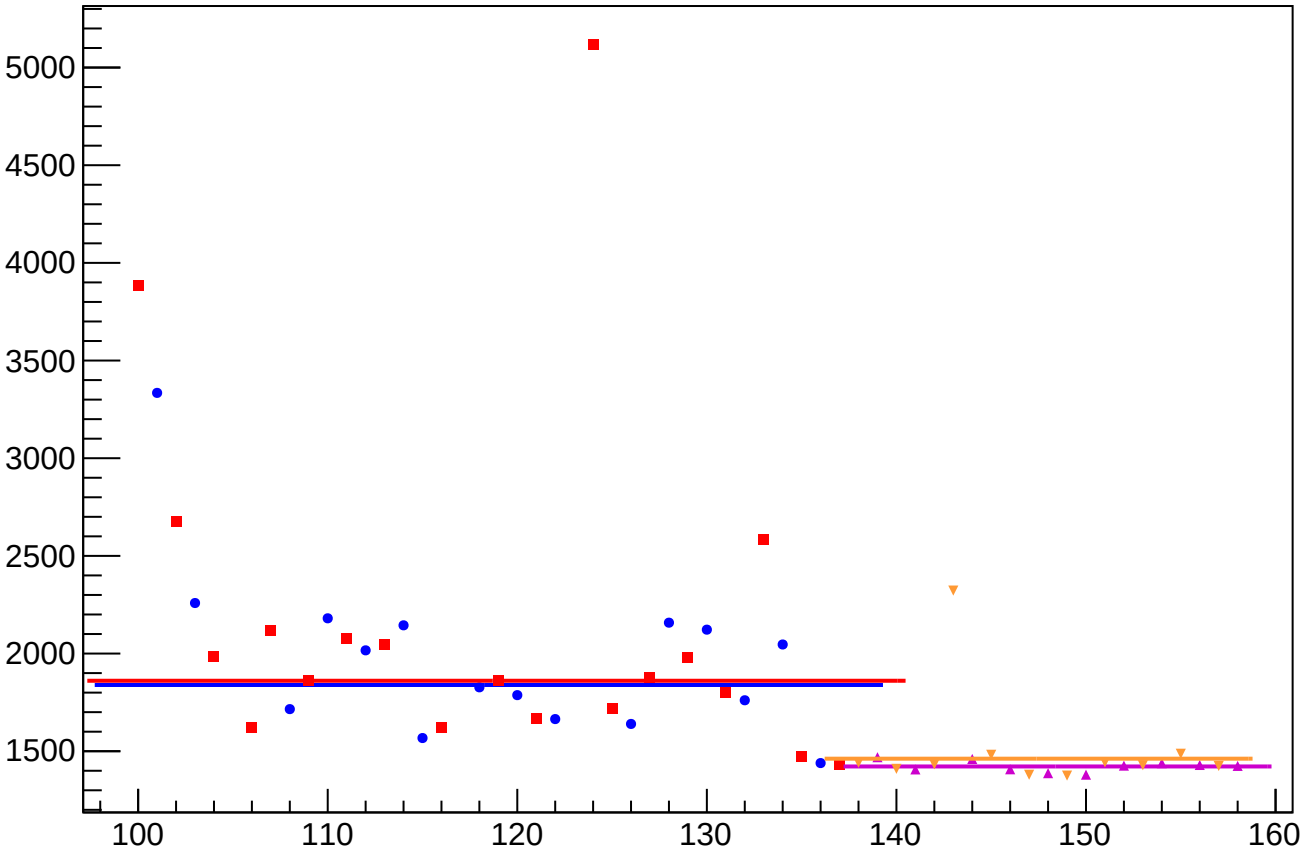
Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 756.941+/-0.141 χ^2/NDF:3021562.9/25

Out: 784.139+/-0.149 χ^2/NDF:4404497.0/29

All: 769.811+/-0.103 χ^2/NDF: 7443588.4/55


asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -1326.223+/-499.420 χ²/NDF:14.0/10
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: -129.264+/-481.560 χ²/NDF:8.7/9
Left: -705.958+/-346.657 χ²/NDF: 25.7/20
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: -55.326+/-396.558 χ²/NDF:30.1/25
Out: -789.958+/-406.500 χ²/NDF:27.7/29
All: -413.548+/-283.859 χ²/NDF: 59.5/55



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1461.829+/-0.353 χ^2/NDF:242538.6/10

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1422.020+/-0.341 χ^2/NDF:6405.5/9

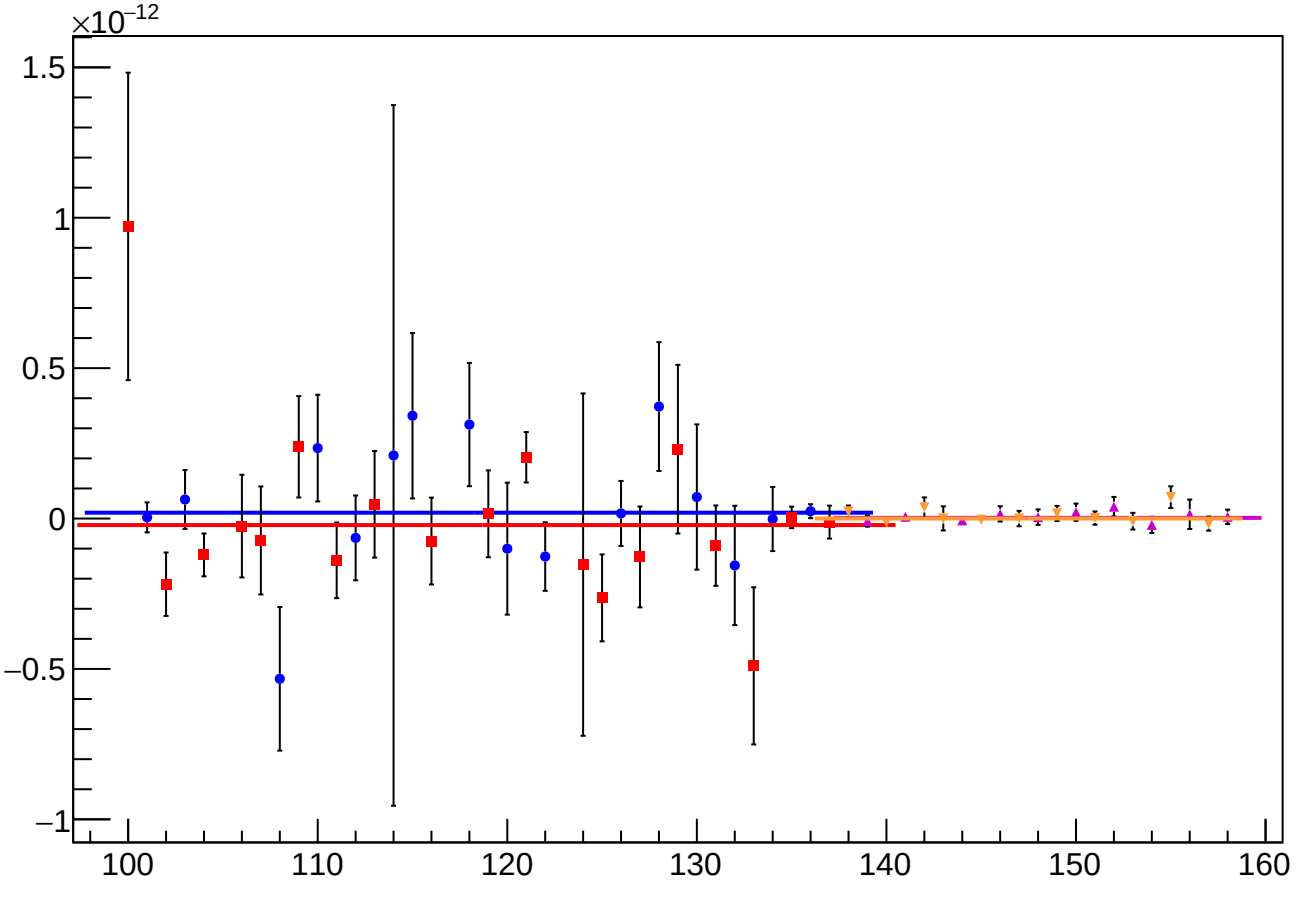
Left: 1441.200+/-0.245 χ^2/NDF: 255529.2/20

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1556.270+/-0.280 χ^2/NDF:1046052.7/25

Out: 1596.466+/-0.287 χ^2/NDF:1195331.5/29

All: 1575.871+/-0.201 χ^2/NDF: 2251404.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/9

Left: 0.000+/-0.000 χ^2/NDF: 12.7/20

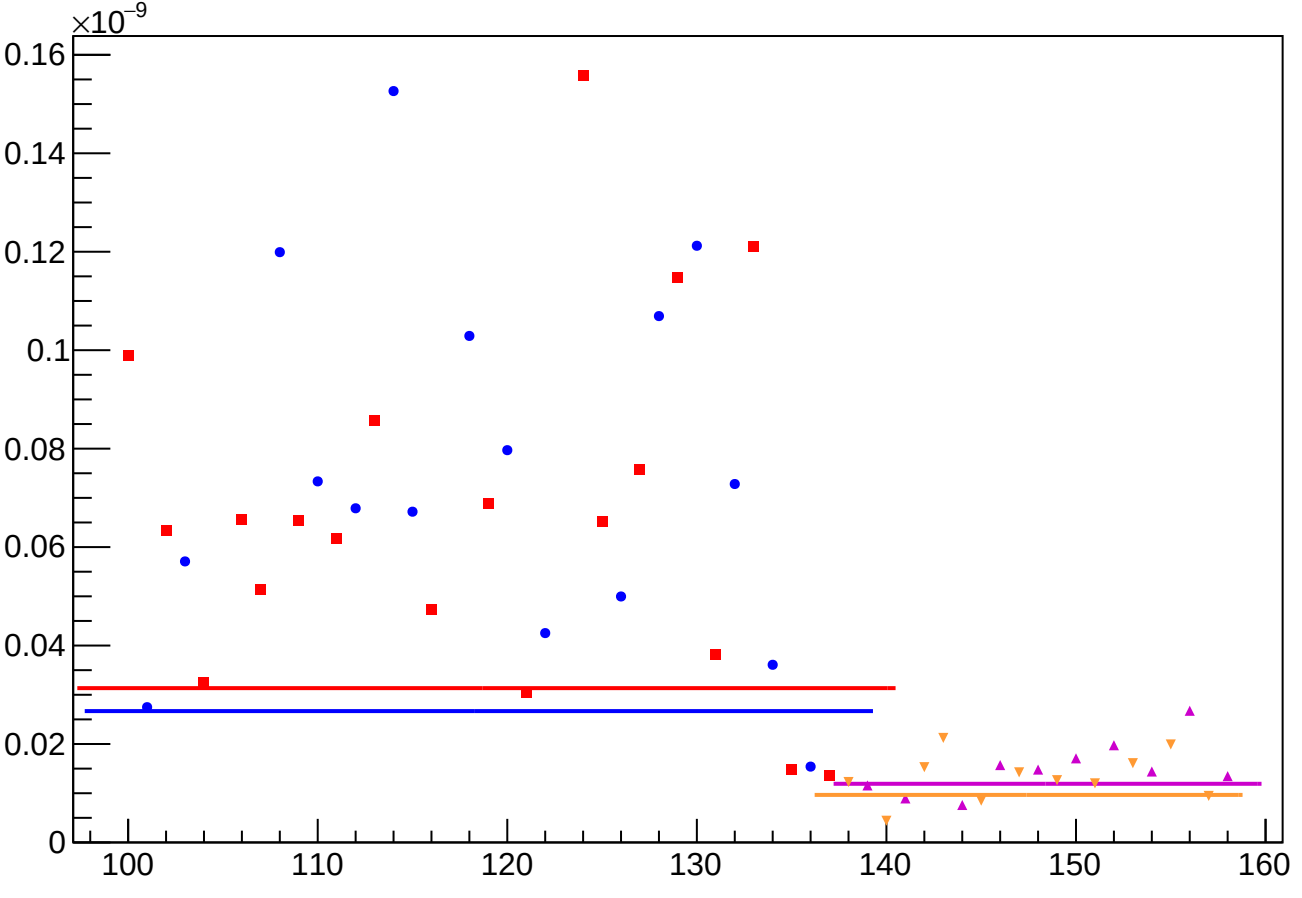
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.8/25

Out: -0.000+/-0.000 χ^2/NDF:38.1/29

All: 0.000+/-0.000 χ^2/NDF: 59.3/55

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136099.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:737470.9/9

Left: 0.000+/-0.000 χ^2/NDF: 1992218.6/20

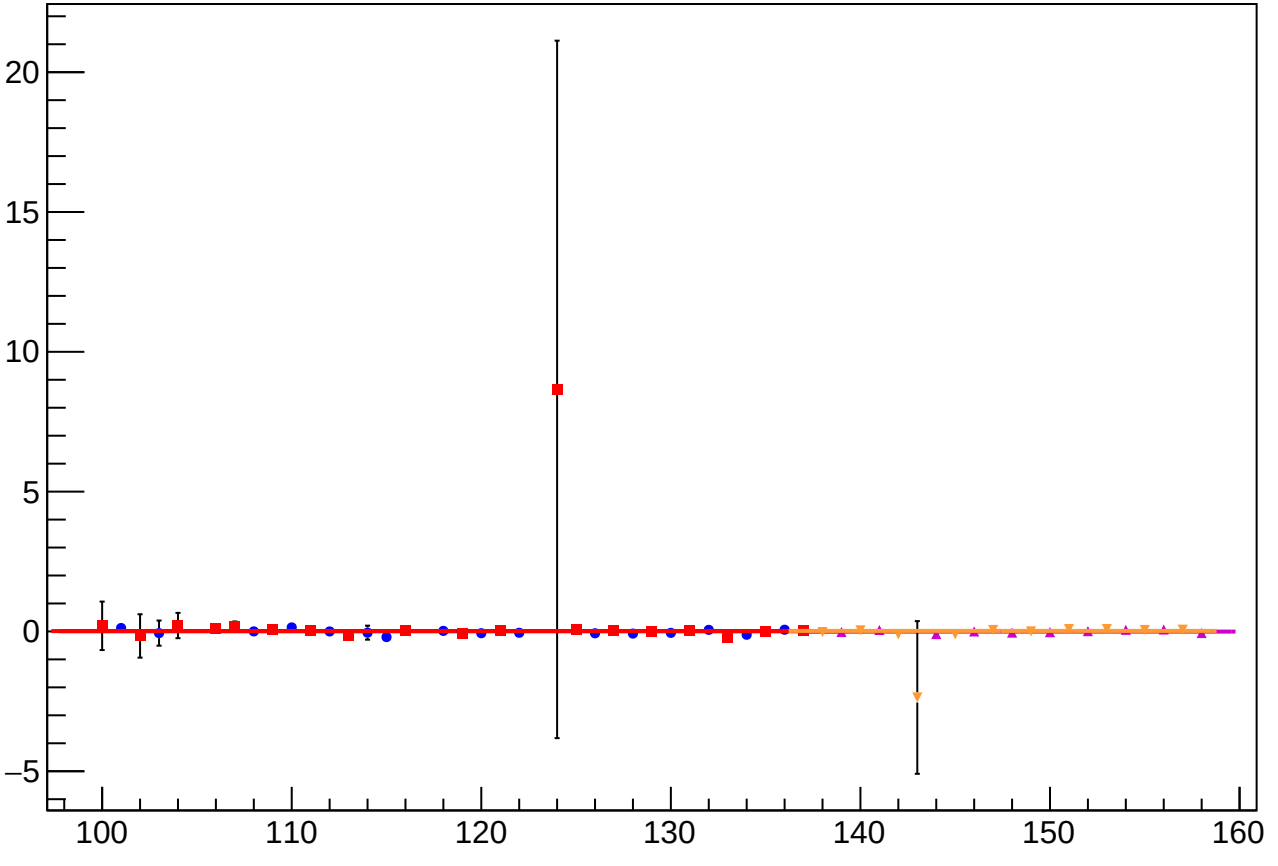
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4405200.7/25

Out: 0.000+/-0.000 χ^2/NDF:5168590.9/29

All: 0.000+/-0.000 χ^2/NDF: 9729875.8/55

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: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.006+/-0.010 χ^2/NDF: 26.2/20

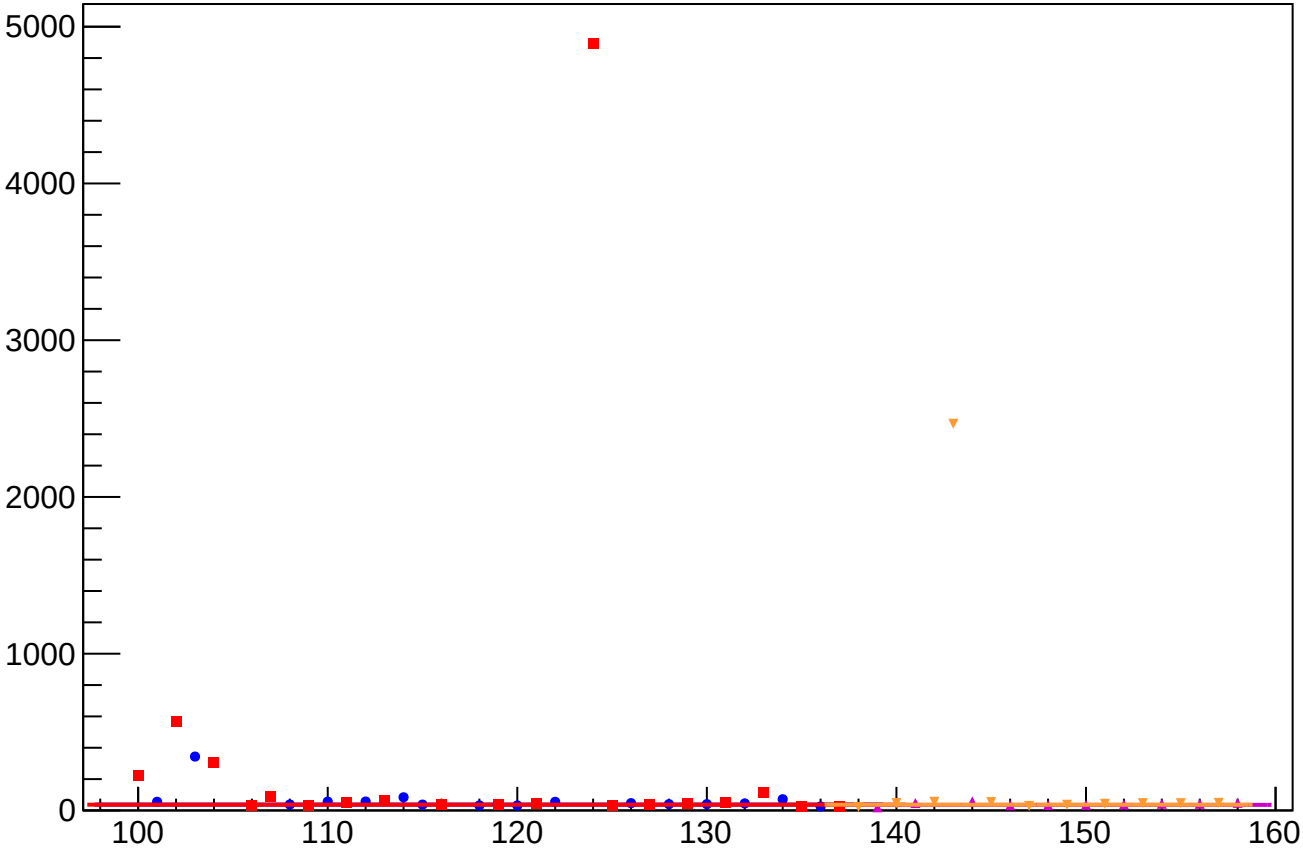
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.016+/-0.011 χ^2/NDF:27.6/29

All: 0.008+/-0.007 χ^2/NDF: 58.1/55

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: 36.493+/-0.010 χ^2/NDF:2778479.6/10

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

Left: 36.012+/-0.007 χ^2/NDF: 3977992.5/20

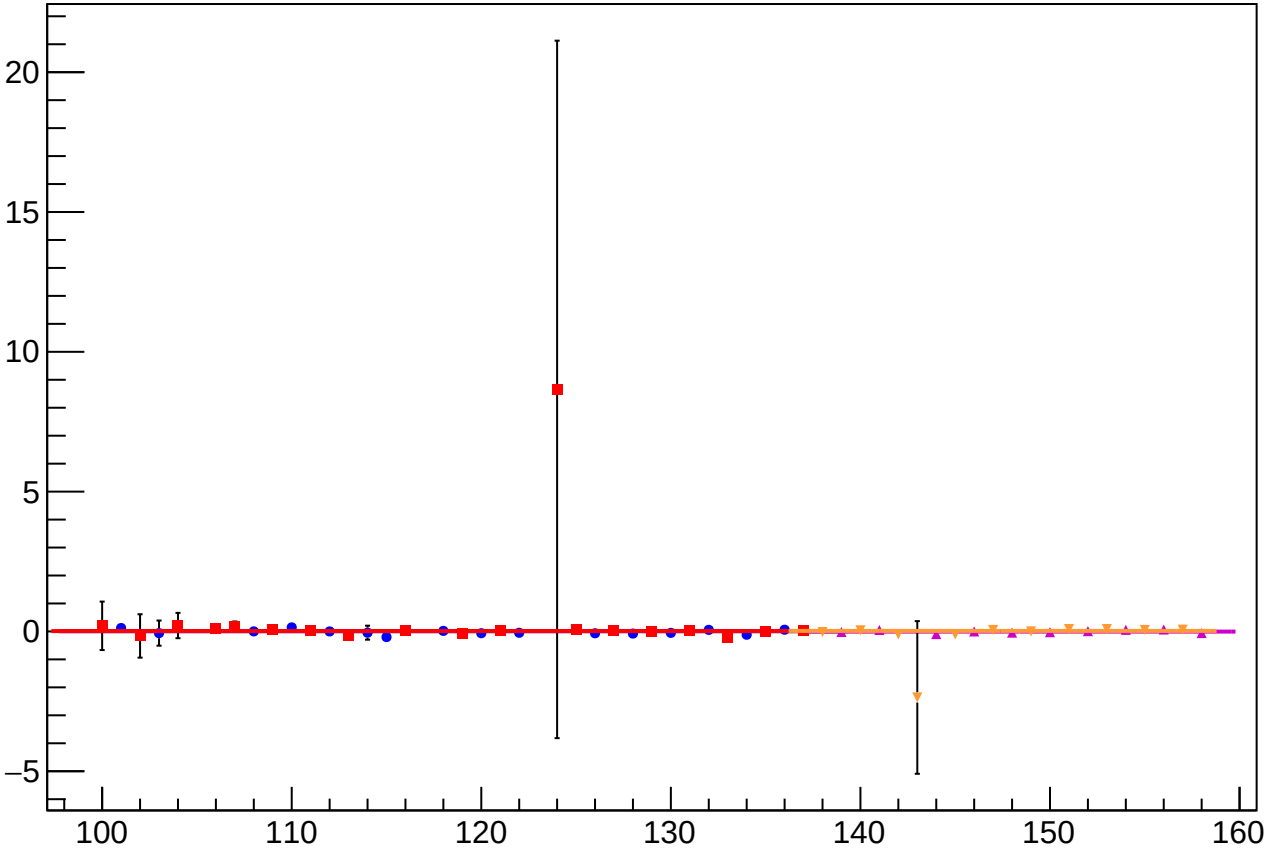
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.369+/-0.007 χ^2/NDF:3195111.2/25

Out: 36.610+/-0.008 χ^2/NDF:5969492.0/29

All: 36.483+/-0.005 χ^2/NDF: 9165121.5/55

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: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.006+/-0.010 χ^2/NDF: 26.2/20

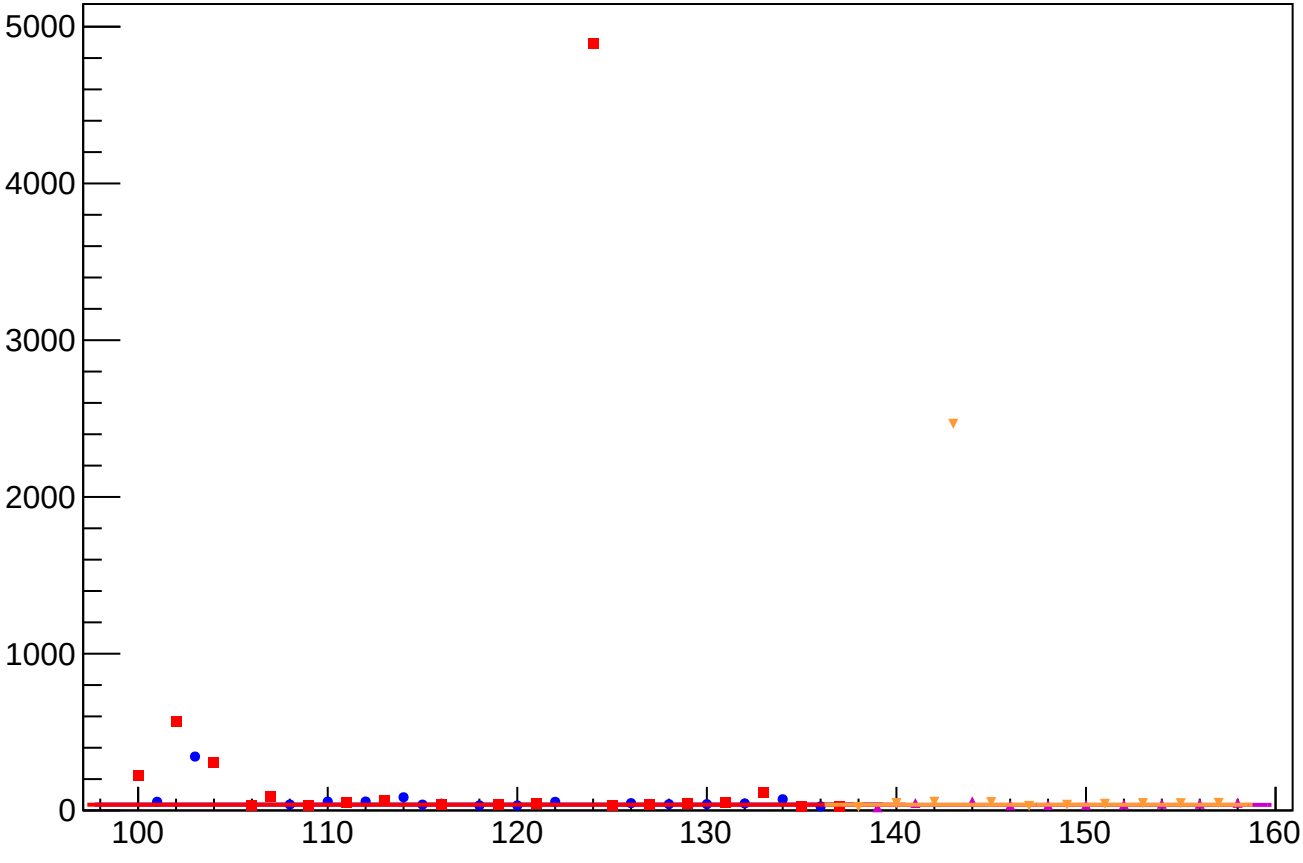
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.016+/-0.011 χ^2/NDF:27.6/29

All: 0.008+/-0.007 χ^2/NDF: 58.1/55

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: 36.493+/-0.010 χ^2/NDF:2778479.6/10

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

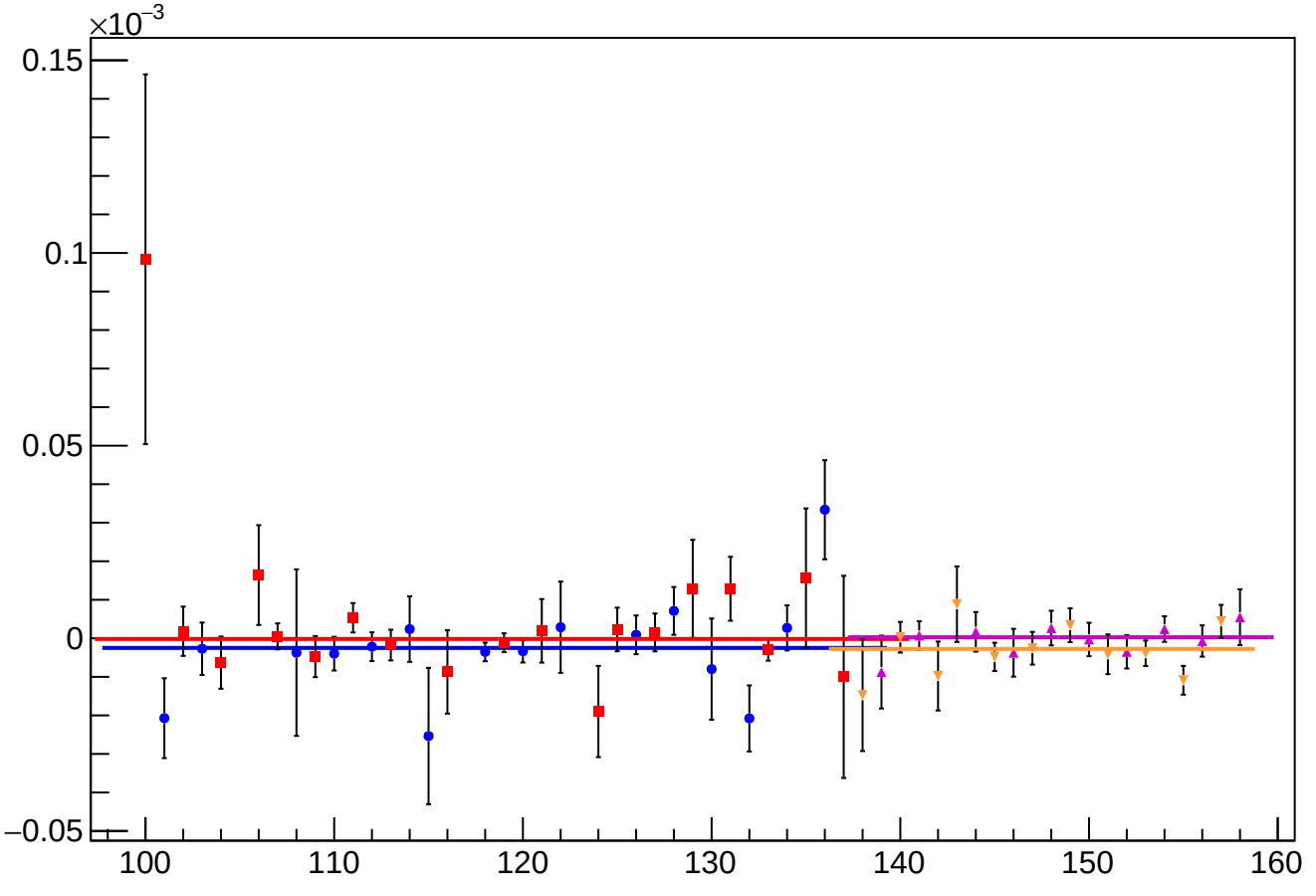
Left: 36.012+/-0.007 χ^2/NDF: 3977992.5/20

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.369+/-0.007 χ^2/NDF:3195111.2/25

Out: 36.610+/-0.008 χ^2/NDF:5969492.0/29

All: 36.483+/-0.005 χ^2/NDF: 9165121.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

Left: -0.000+/-0.000 χ^2/NDF: 19.1/20

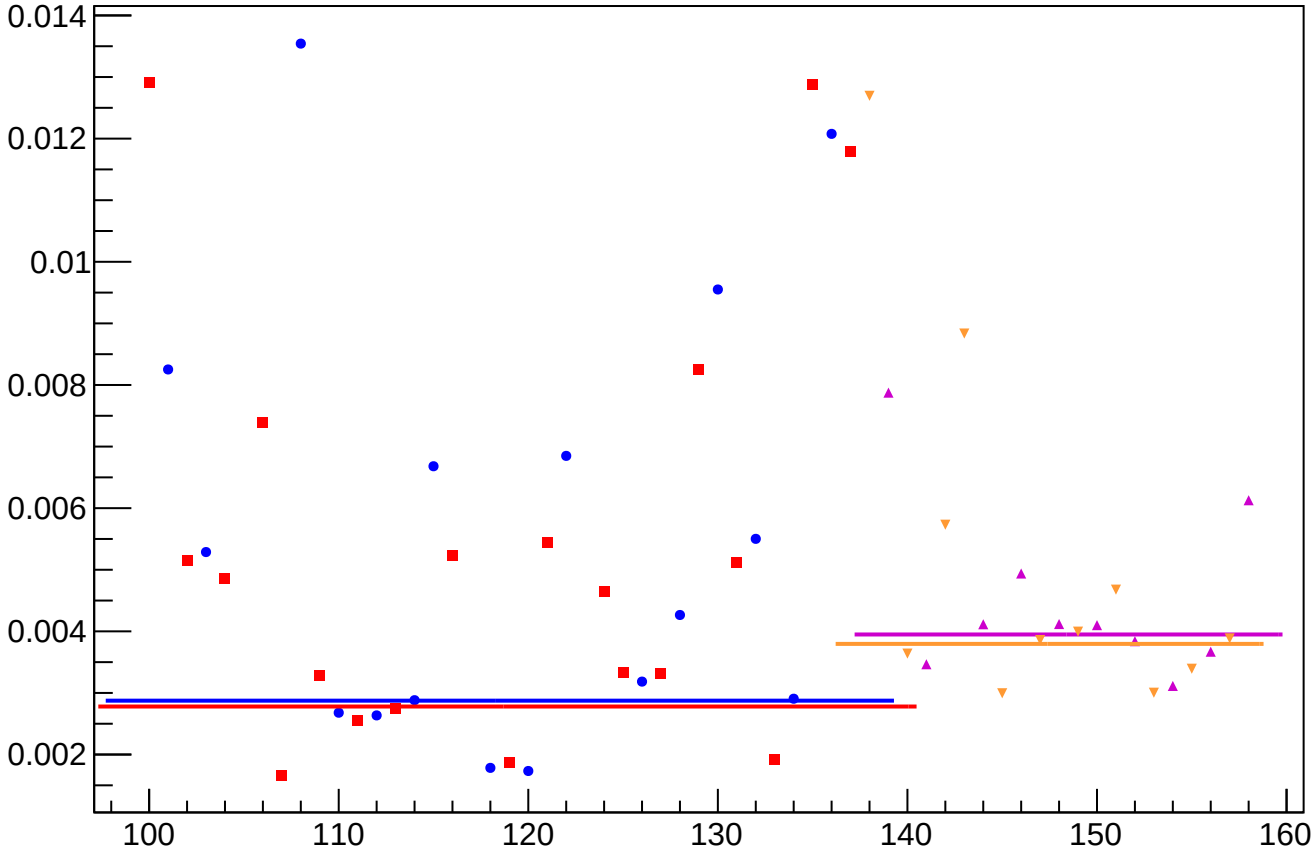
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:27.3/25

Out: -0.000+/-0.000 χ^2/NDF:34.2/29

All: -0.000+/-0.000 χ^2/NDF: 61.6/55

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1675809.3/10

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:755738.4/9

Left: 0.004+/-0.000 χ^2/NDF: 2443246.0/20

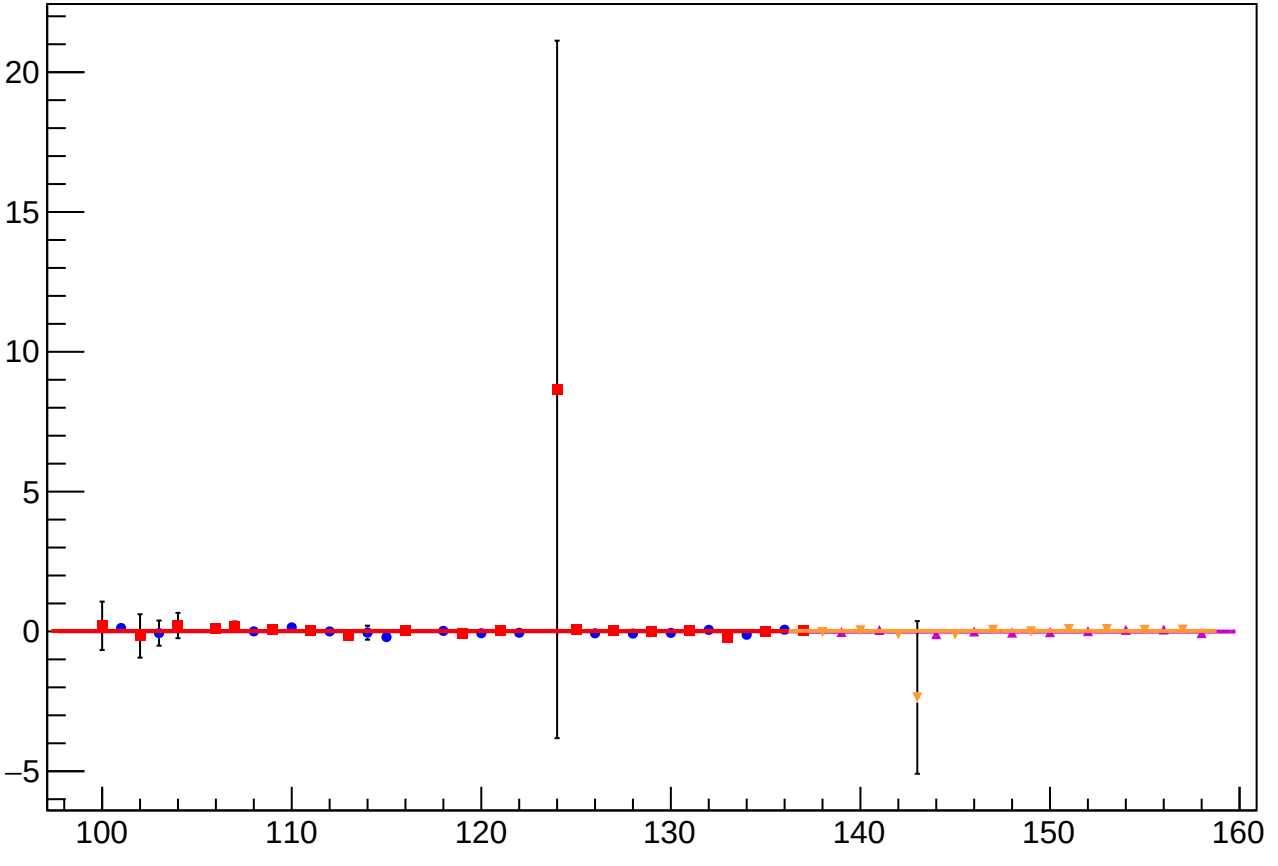
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5514272.4/25

Out: 0.003+/-0.000 χ^2/NDF:5619319.0/29

All: 0.003+/-0.000 χ^2/NDF: 11158613.4/55

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: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.006+/-0.010 χ^2/NDF: 26.2/20

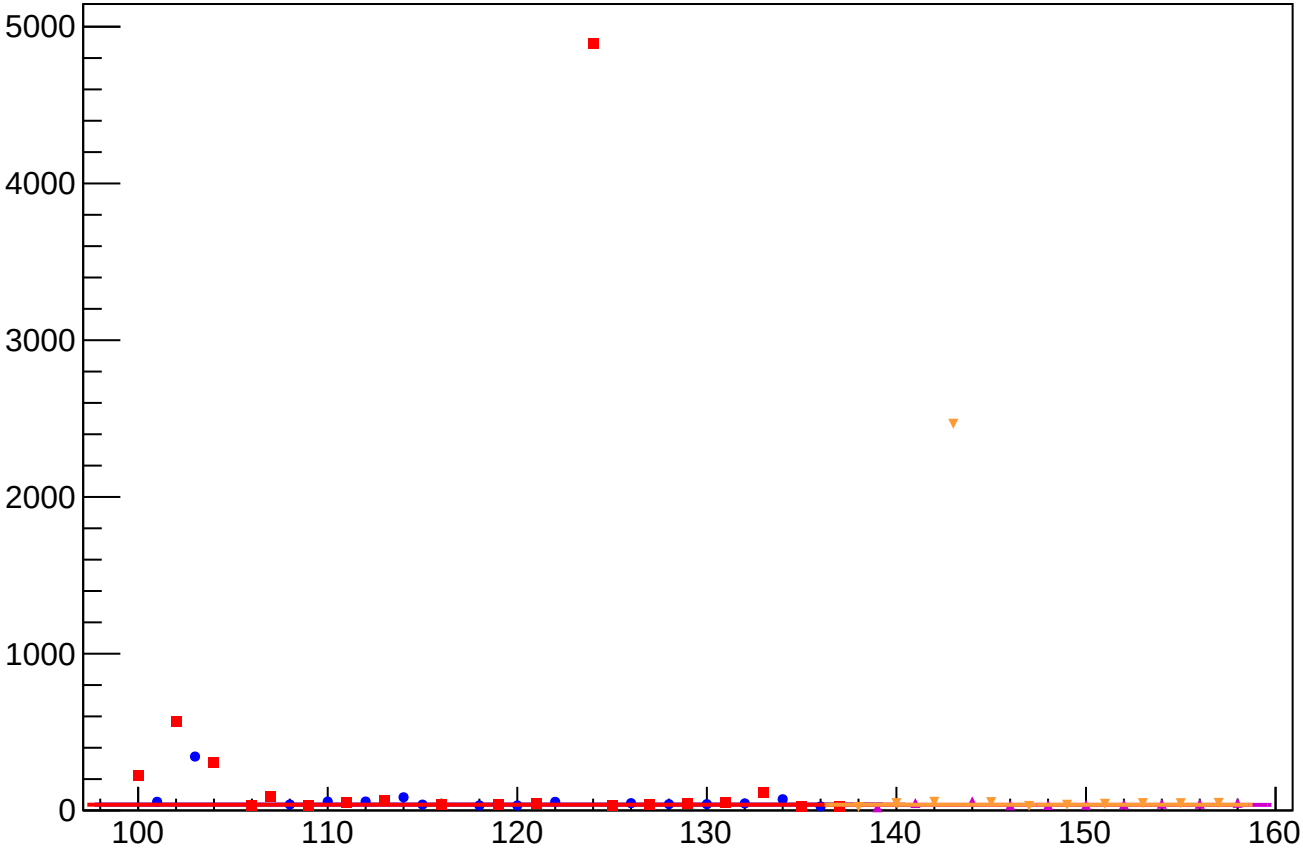
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.016+/-0.011 χ^2/NDF:27.6/29

All: 0.008+/-0.007 χ^2/NDF: 58.1/55

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: 36.490+/-0.010 χ^2/NDF:2779003.4/10

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

Left: 36.012+/-0.007 χ^2/NDF: 3977485.6/20

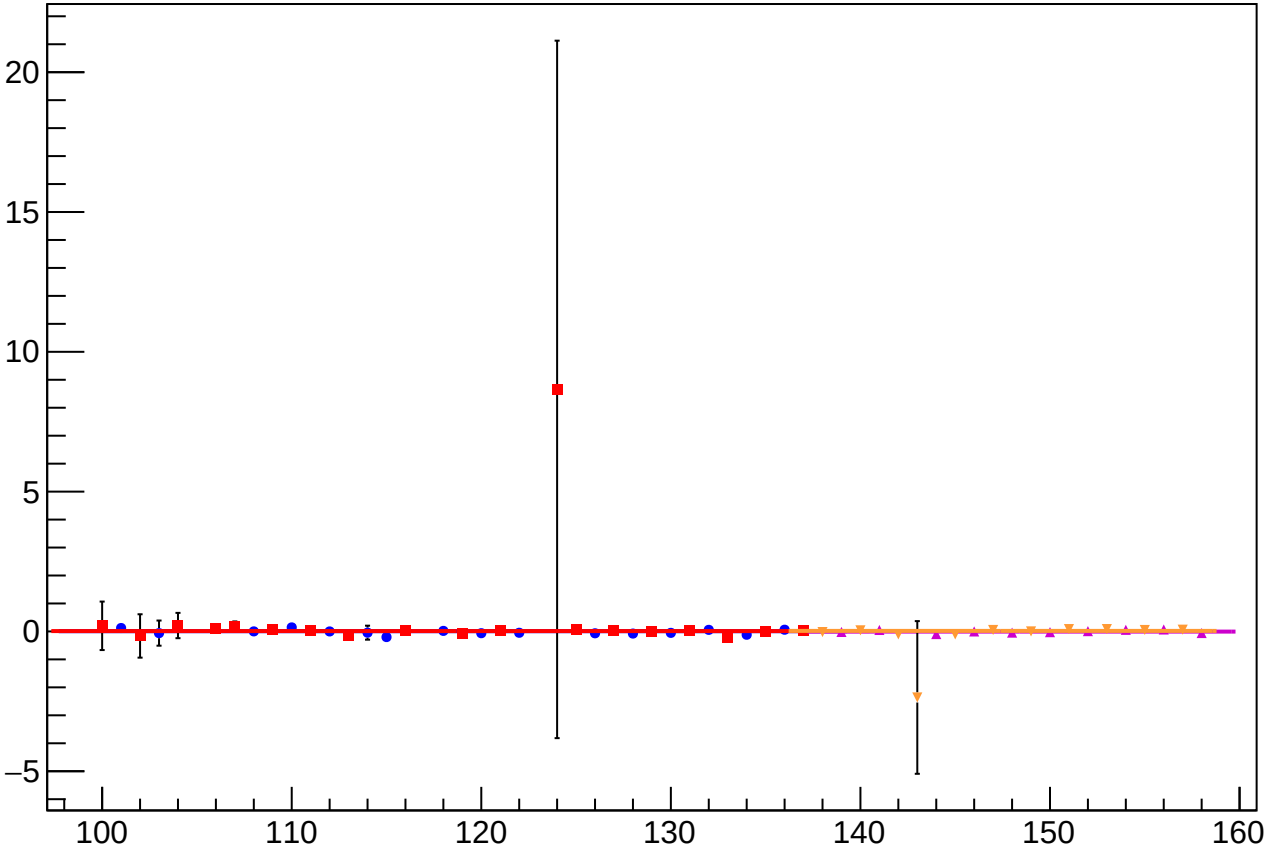
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.372+/-0.007 χ^2/NDF:3194016.3/25

Out: 36.609+/-0.008 χ^2/NDF:5969726.1/29

All: 36.484+/-0.005 χ^2/NDF: 9164247.5/55

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: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/9

Left: 0.006+/-0.010 χ^2/NDF: 26.2/20

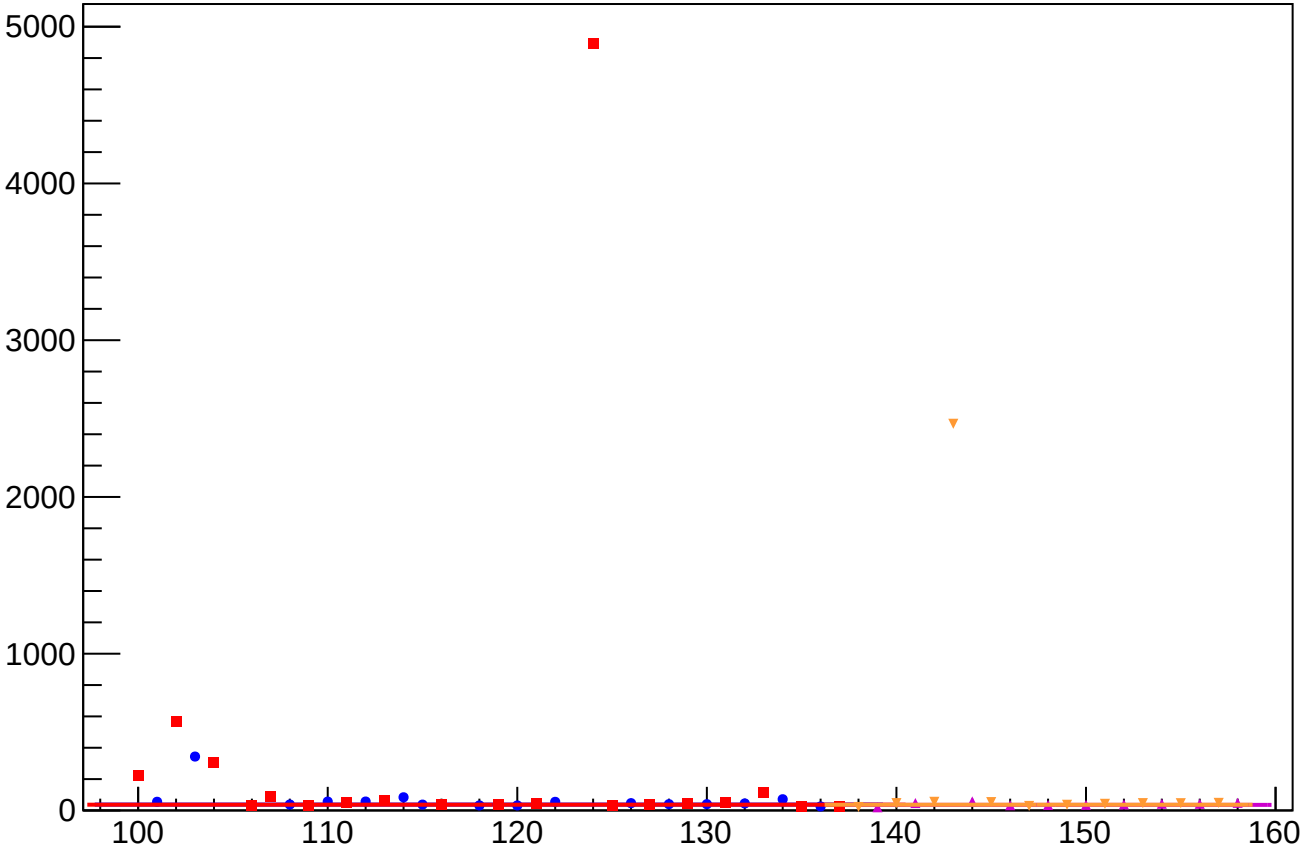
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.3/25

Out: 0.016+/-0.011 χ^2/NDF:27.6/29

All: 0.008+/-0.007 χ^2/NDF: 58.1/55

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: 36.490+/-0.010 χ^2/NDF:2779003.4/10

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

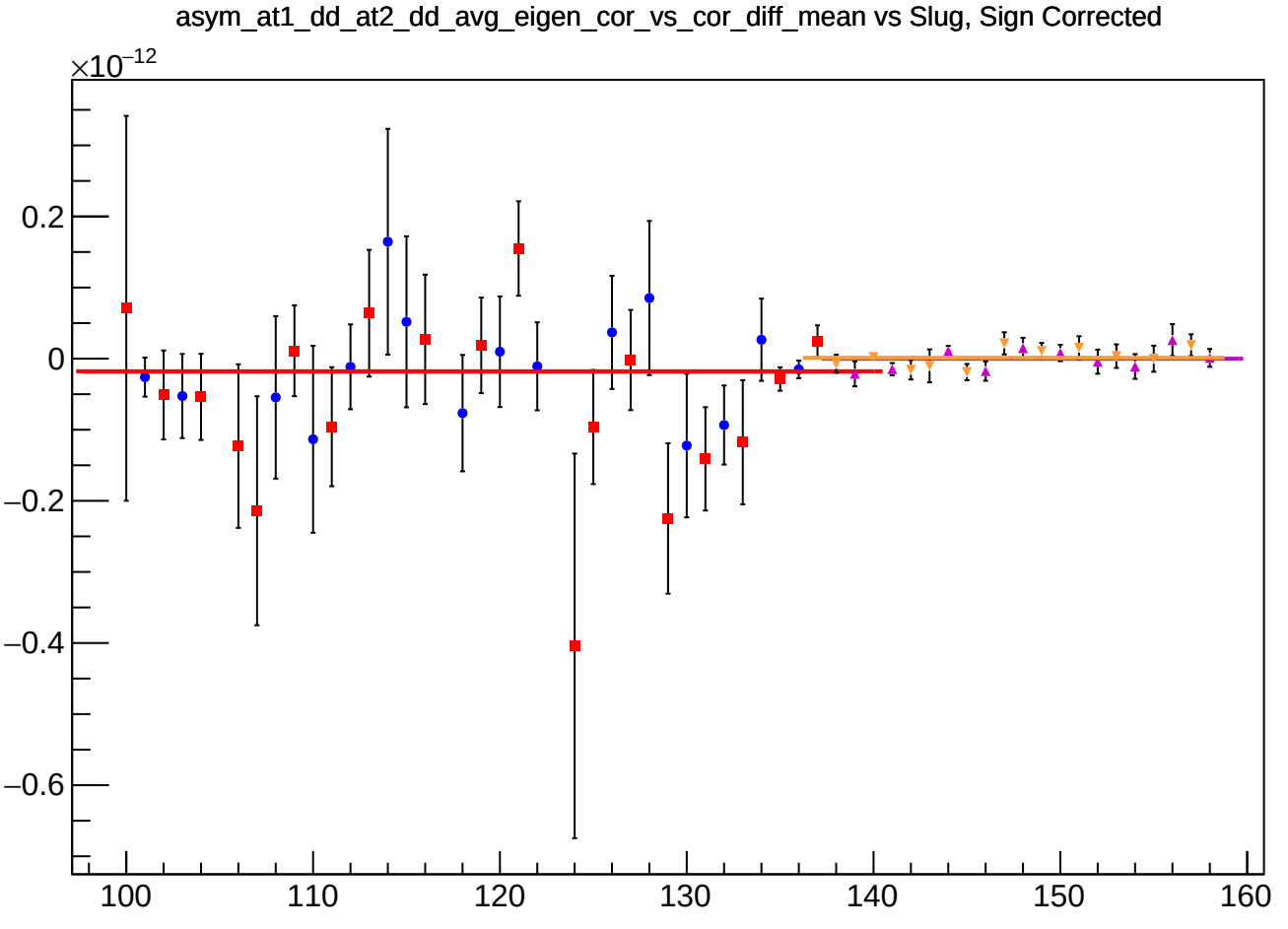
Left: 36.012+/-0.007 χ^2/NDF: 3977485.6/20

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.372+/-0.007 χ^2/NDF:3194016.3/25

Out: 36.609+/-0.008 χ^2/NDF:5969726.1/29

All: 36.484+/-0.005 χ^2/NDF: 9164247.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/9

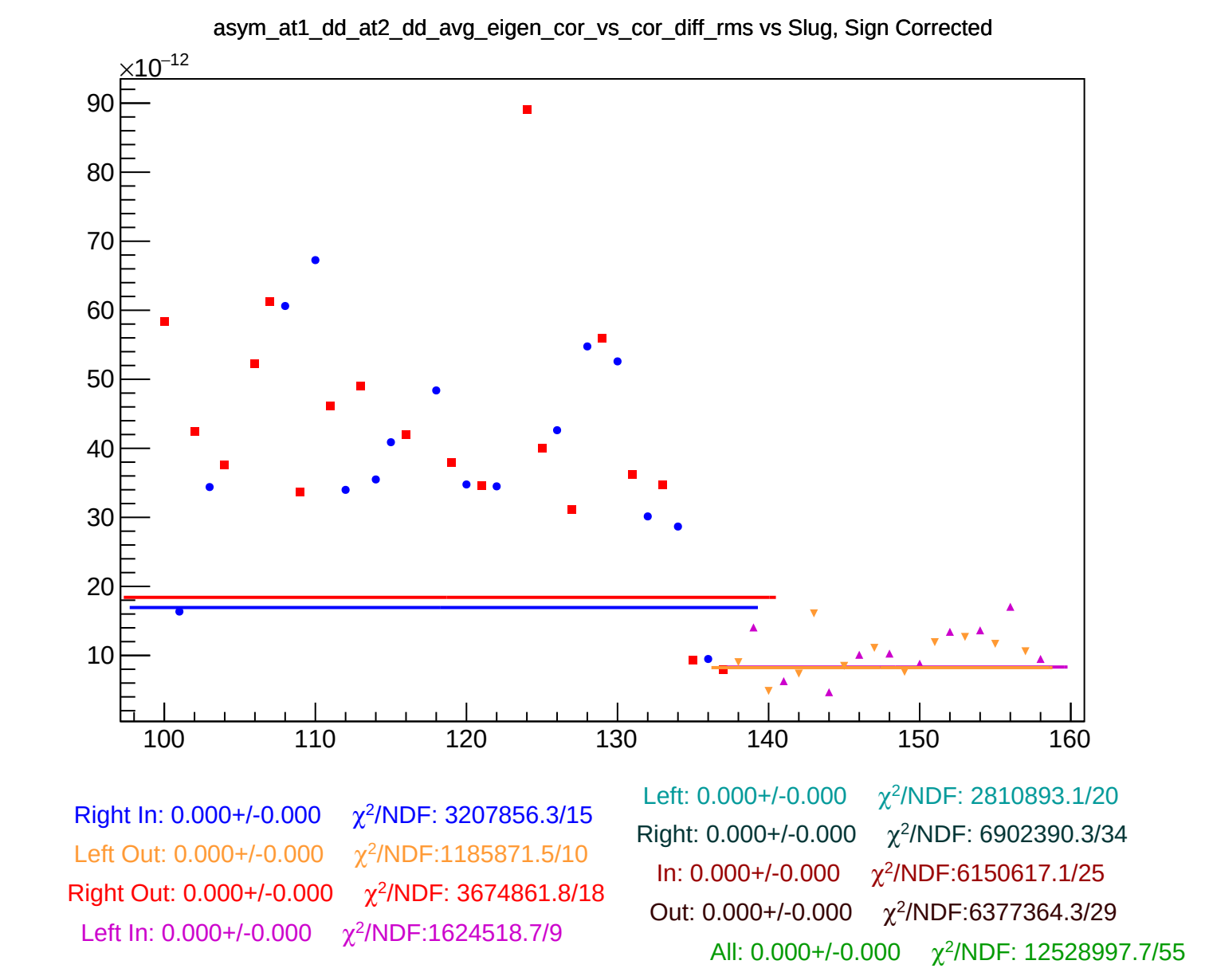
Left: 0.000+/-0.000 χ^2/NDF: 21.8/20

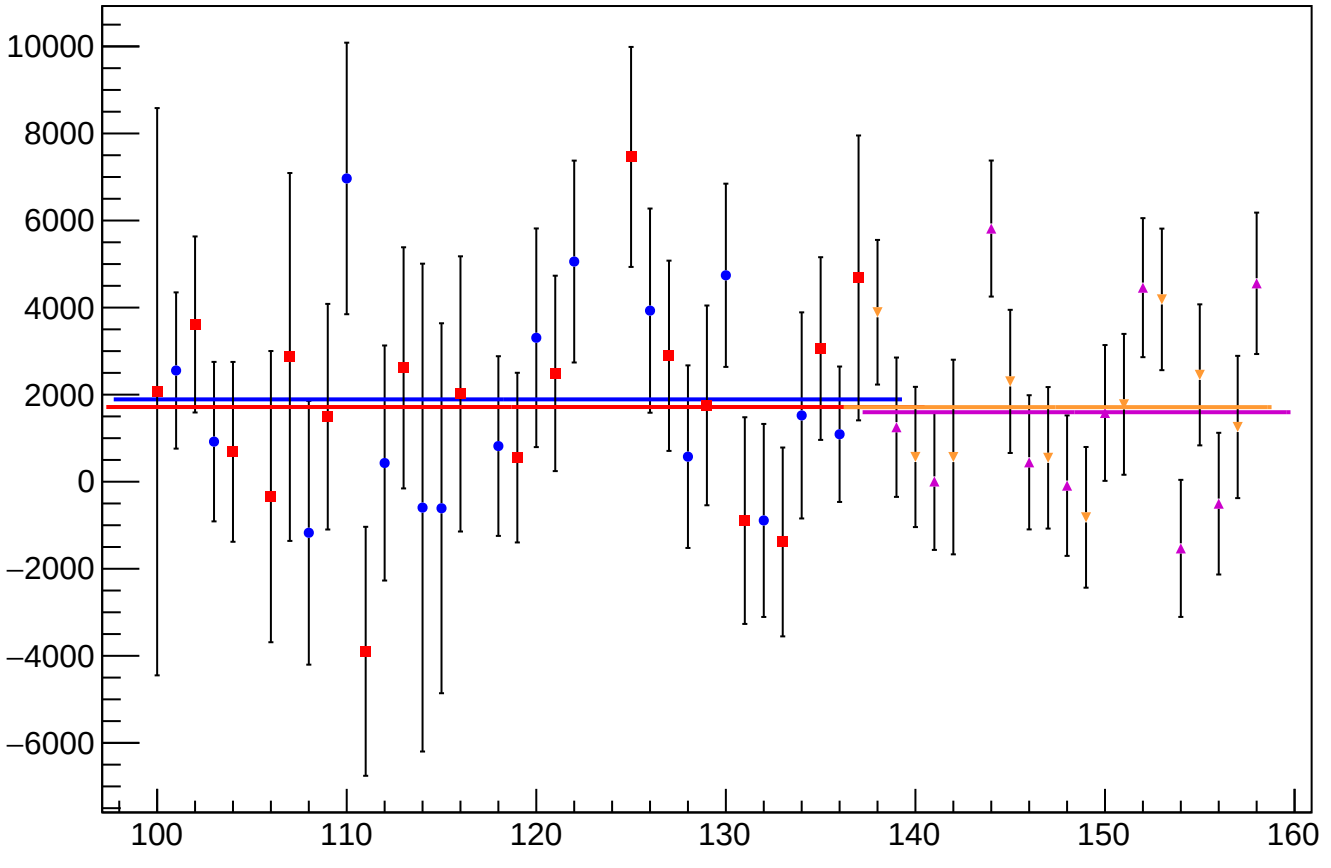
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:23.0/25

Out: -0.000+/-0.000 χ^2/NDF:39.8/29

All: -0.000+/-0.000 χ^2/NDF: 63.0/55


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1185871.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1624518.7/9
Left: 0.000+/-0.000 χ²/NDF: 2810893.1/20
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6150617.1/25
Out: 0.000+/-0.000 χ²/NDF:6377364.3/29
All: 0.000+/-0.000 χ²/NDF: 12528997.7/55



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1713.275+/-527.439 χ^2/NDF:8.2/9

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1596.481+/-501.745 χ^2/NDF:22.2/9

Left: 1651.964+/-363.531 χ^2/NDF: 30.4/19

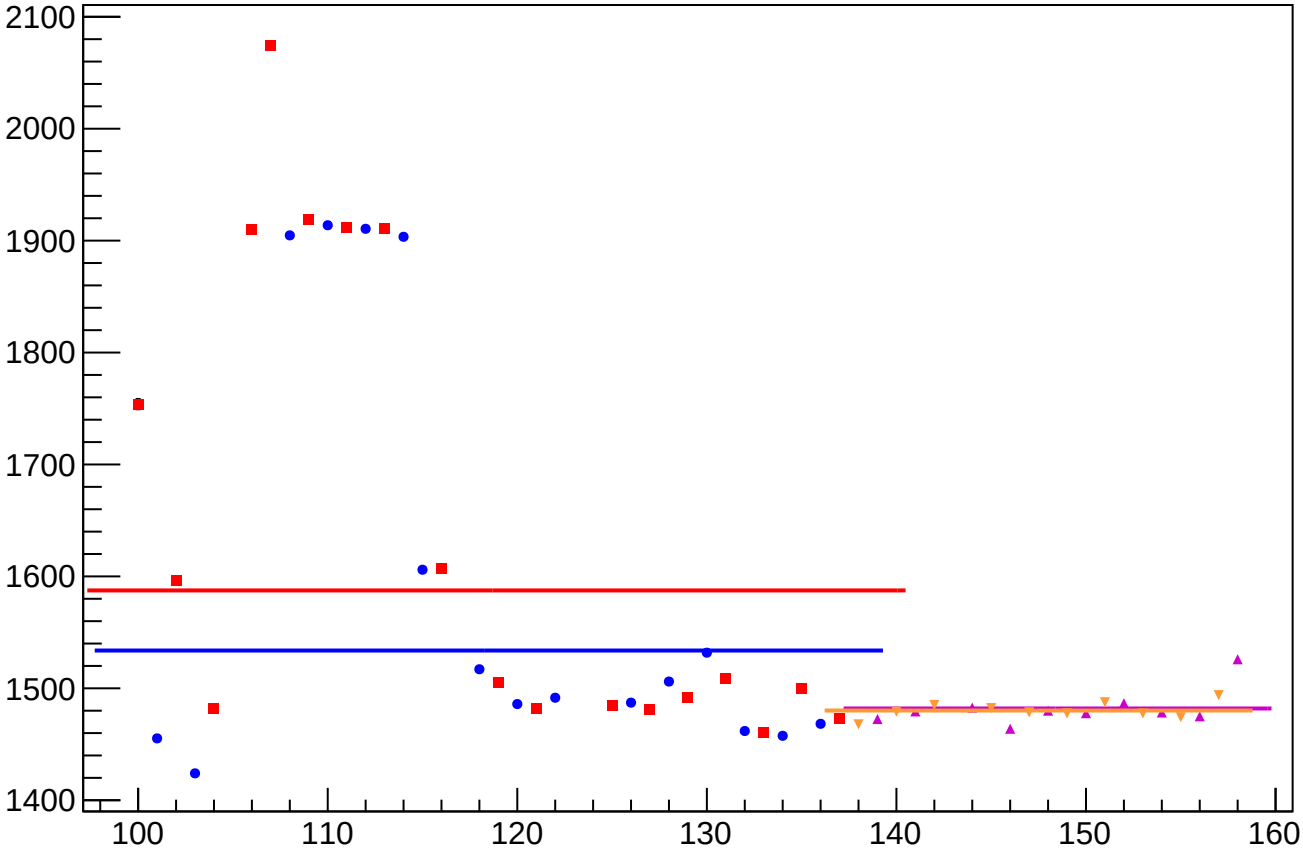
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1724.689+/-377.264 χ^2/NDF:34.5/25

Out: 1714.446+/-393.077 χ^2/NDF:24.2/27

All: 1719.778+/-272.185 χ^2/NDF: 58.7/53

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1480.155+/-0.373 χ^2/NDF:347.8/9

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

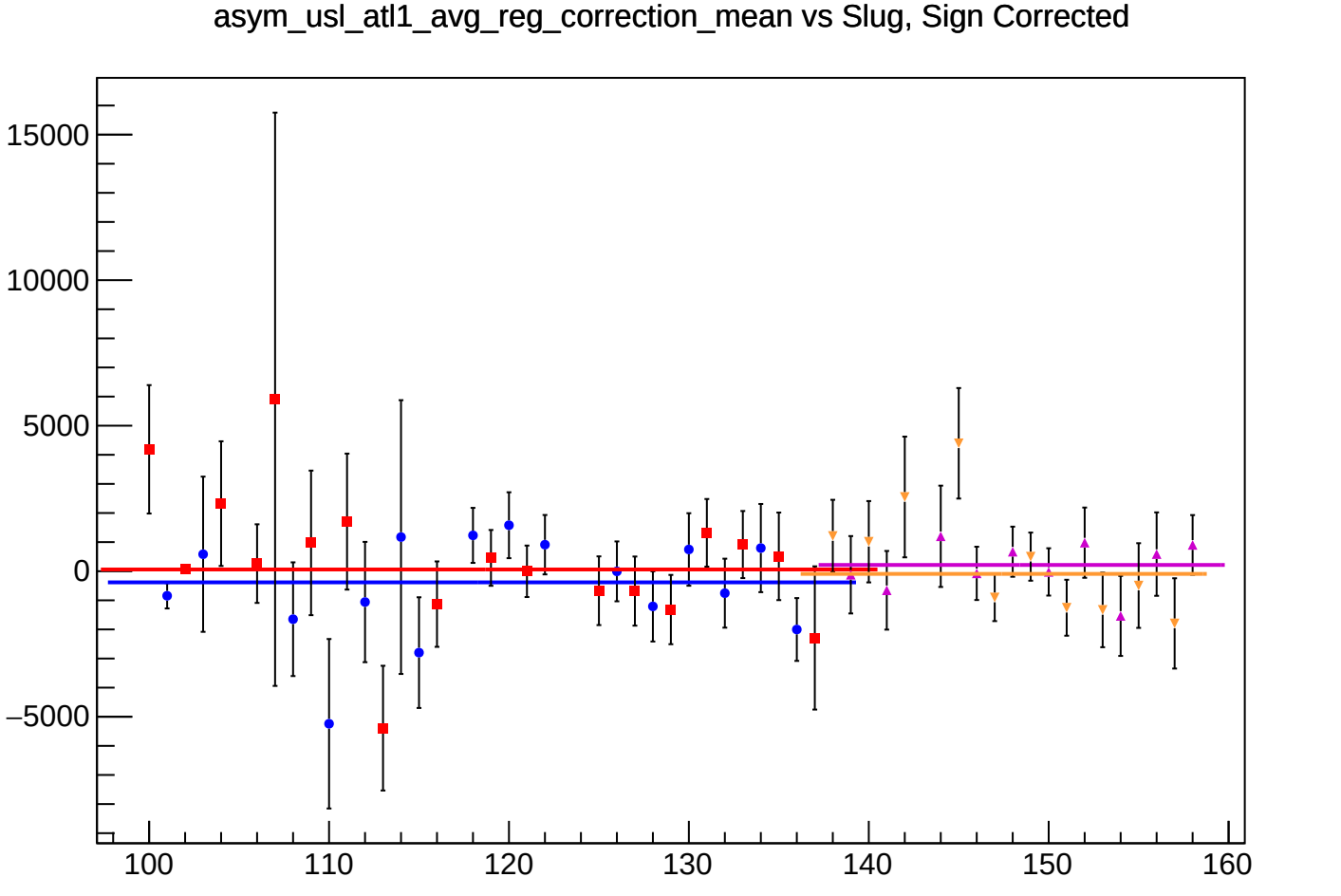
Left: 1481.112+/-0.257 χ^2/NDF: 2258.6/19

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1504.489+/-0.267 χ^2/NDF:140432.5/25

Out: 1527.862+/-0.278 χ^2/NDF:209140.5/27

All: 1515.696+/-0.192 χ^2/NDF: 353253.9/53



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -91.918+/-371.968 χ^2/NDF:14.1/9

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 215.164+/-350.150 χ^2/NDF:3.8/9

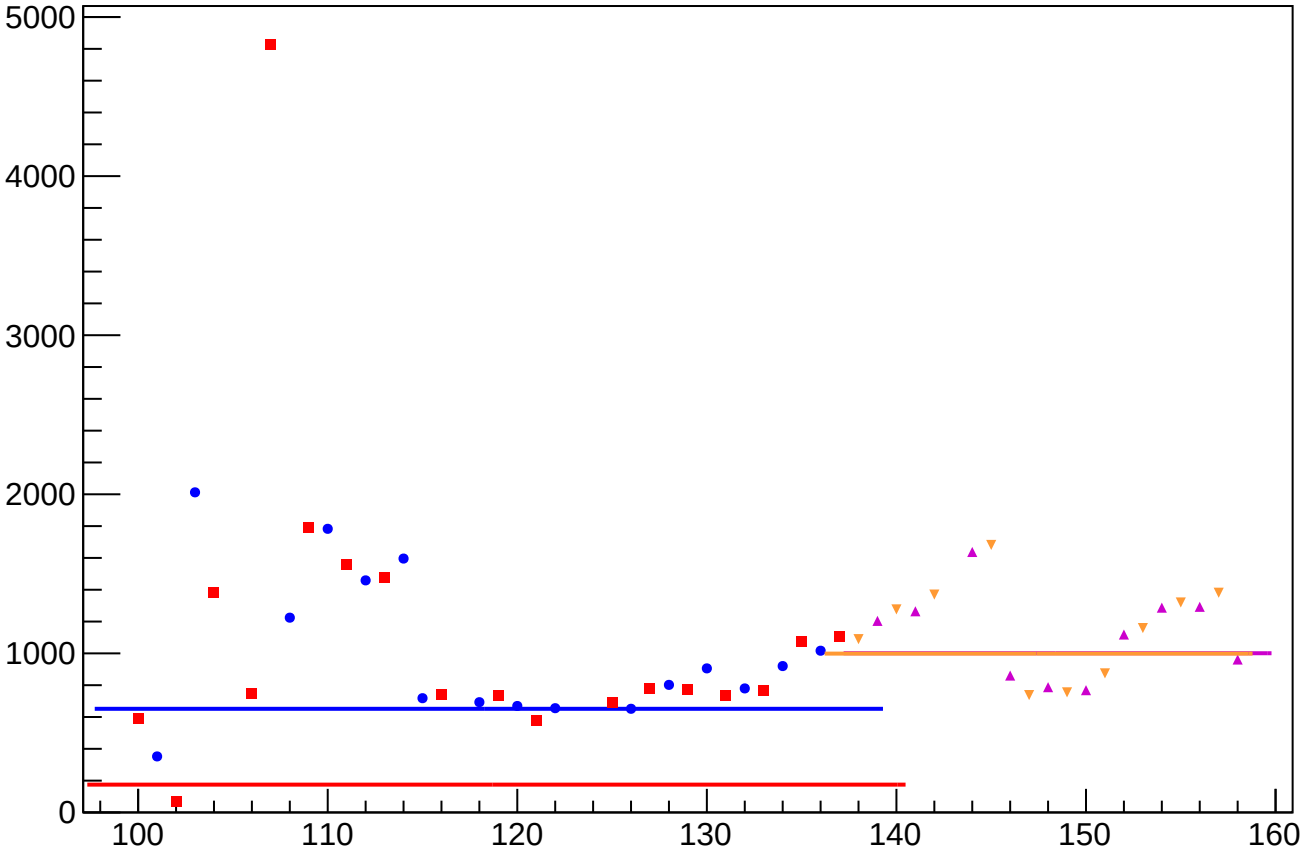
Left: 70.893+/-254.958 χ^2/NDF: 18.3/19

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -157.540+/-214.907 χ^2/NDF:23.8/25

Out: 43.956+/-120.781 χ^2/NDF:32.0/27

All: -4.411+/-105.292 χ^2/NDF: 56.5/53



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 998.501+/-0.263 χ^2/NDF:1076625.4/9

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1000.871+/-0.248 χ^2/NDF:915608.3/9

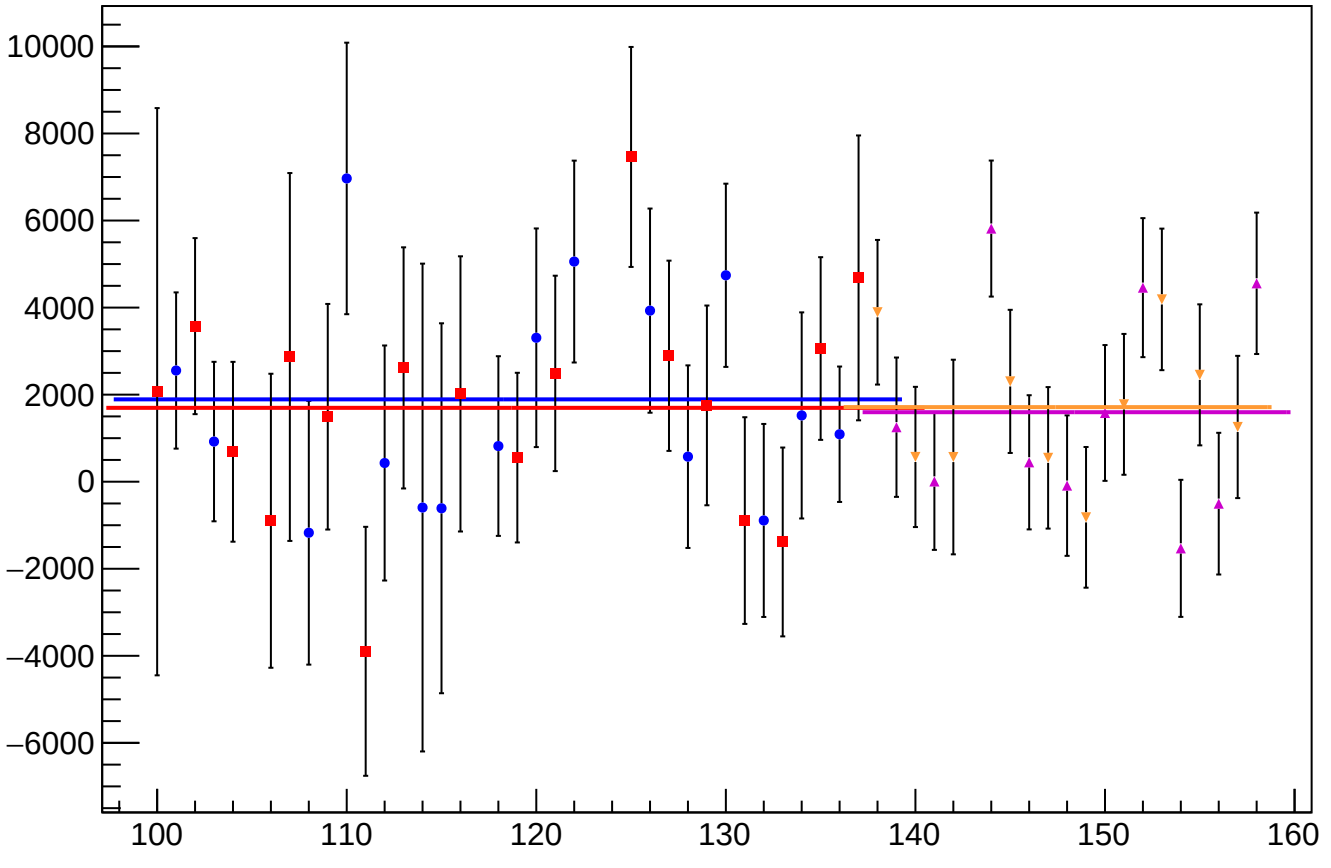
Left: 999.758+/-0.180 χ^2/NDF: 1992276.8/19

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 783.122+/-0.152 χ^2/NDF:4919167.1/25

Out: 261.735+/-0.085 χ^2/NDF:19609195.0/27

All: 386.889+/-0.074 χ^2/NDF: 33474567.4/53



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1713.217+/-527.439 χ^2/NDF:8.2/9

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1596.635+/-501.745 χ^2/NDF:22.2/9

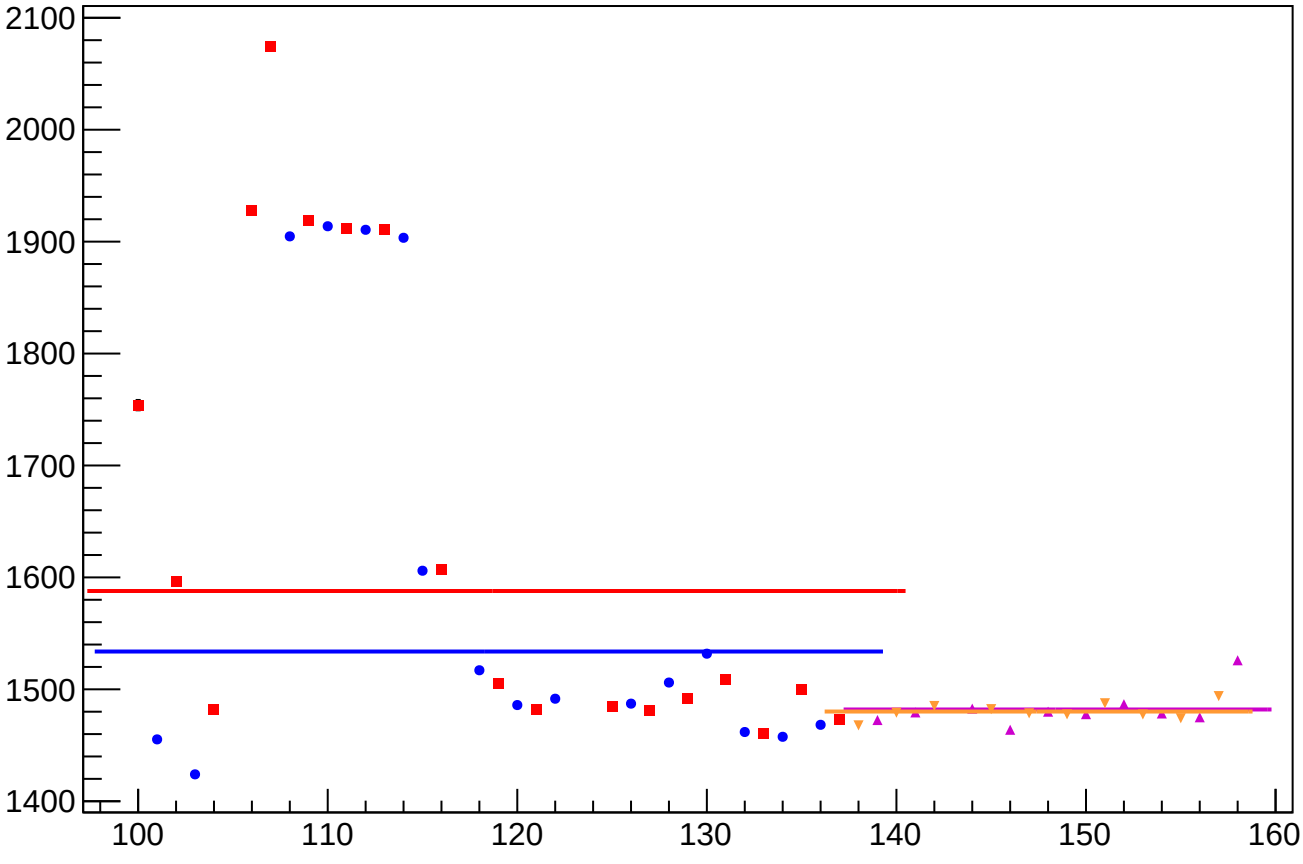
Left: 1652.018+/-363.531 χ^2/NDF: 30.4/19

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1724.822+/-377.264 χ^2/NDF:34.5/25

Out: 1706.004+/-393.131 χ^2/NDF:24.3/27

All: 1715.800+/-272.203 χ^2/NDF: 58.9/53



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.155+/-0.373 χ^2/NDF:347.8/9

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

Left: 1481.112+/-0.257 χ^2/NDF: 2258.6/19

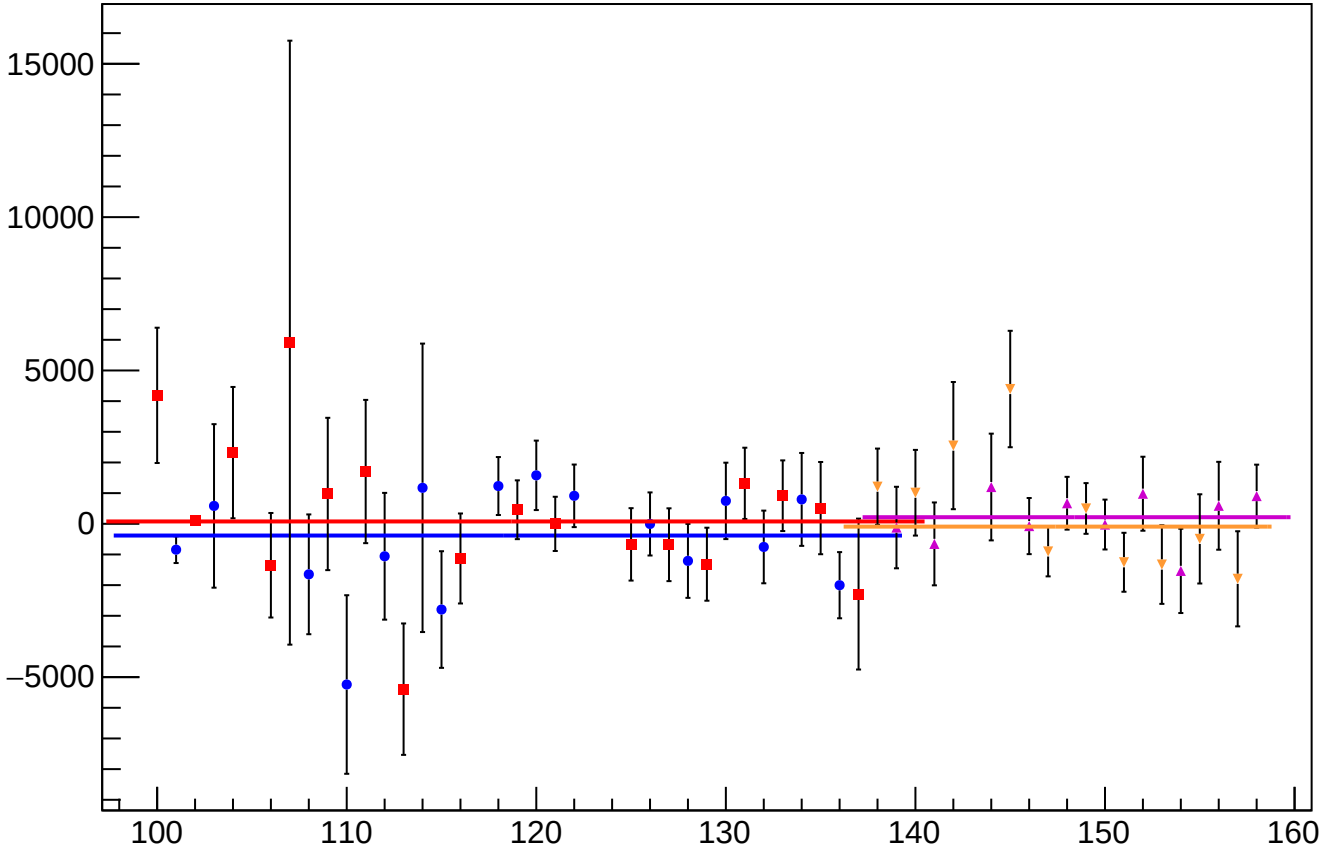
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1504.489+/-0.267 χ^2/NDF:140432.5/25

Out: 1528.017+/-0.278 χ^2/NDF:211170.9/27

All: 1515.769+/-0.192 χ^2/NDF: 355332.7/53

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -92.130+/-371.971 χ^2/NDF:14.1/9

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 215.245+/-350.149 χ^2/NDF:3.8/9

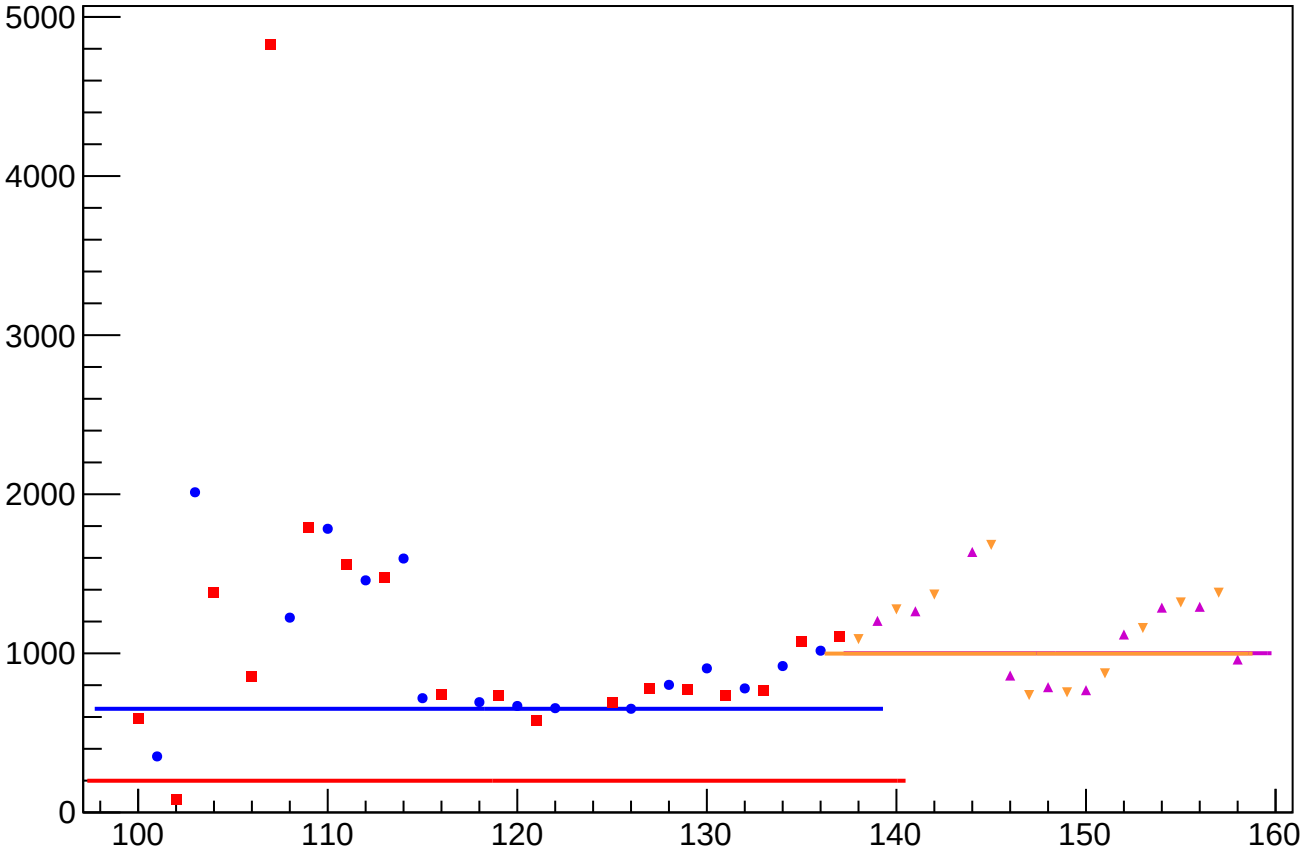
Left: 70.838+/-254.959 χ^2/NDF: 18.3/19

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -157.492+/-214.907 χ^2/NDF:23.8/25

Out: 56.286+/-129.496 χ^2/NDF:32.8/27

All: -0.659+/-110.916 χ^2/NDF: 57.3/53



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 998.511+/-0.263 χ^2/NDF:1076621.3/9

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1000.868+/-0.248 χ^2/NDF:915659.8/9

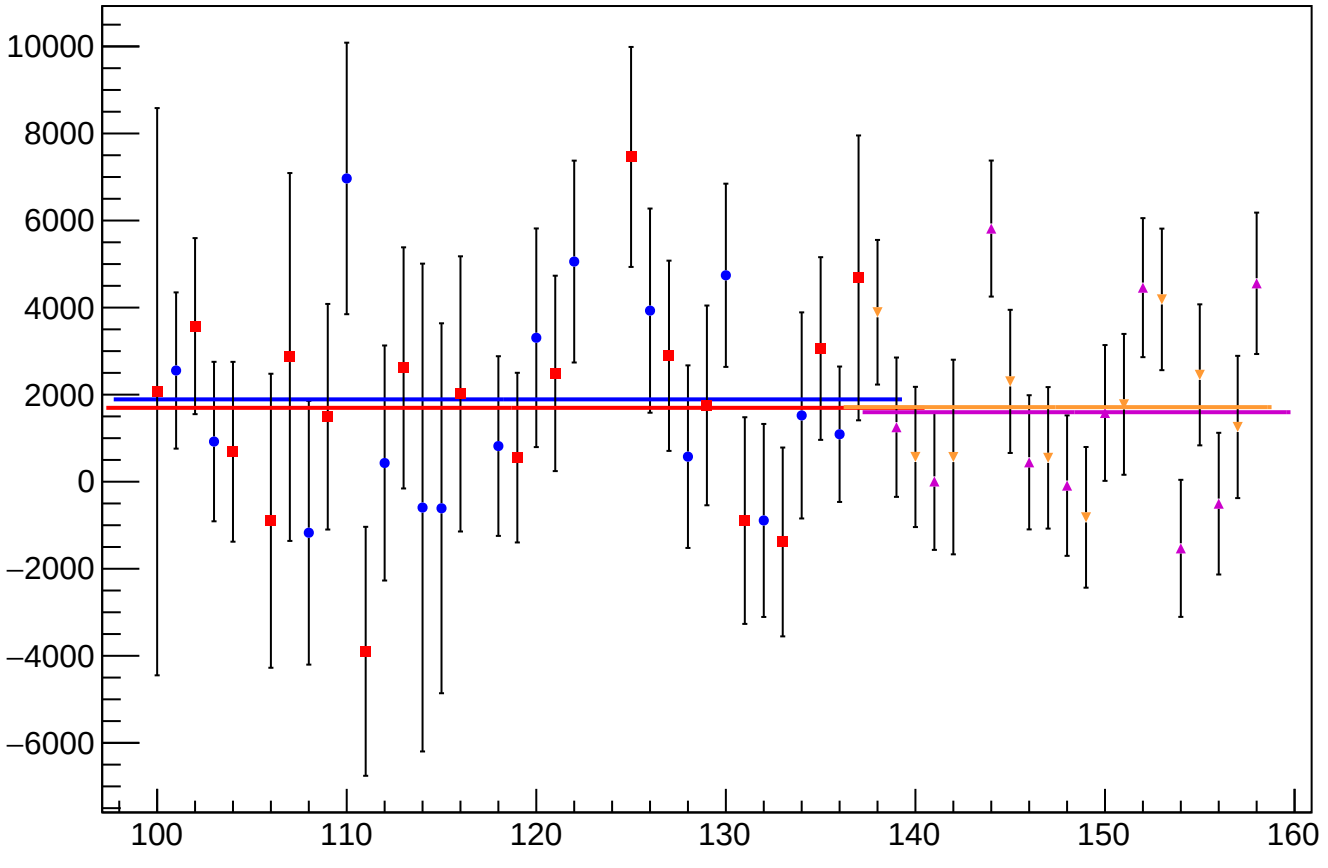
Left: 999.761+/-0.180 χ^2/NDF: 1992323.7/19

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 783.120+/-0.152 χ^2/NDF:4919234.6/25

Out: 296.201+/-0.092 χ^2/NDF:18474356.5/27

All: 425.902+/-0.078 χ^2/NDF: 30925744.1/53



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1713.217+/-527.439 χ^2/NDF:8.2/9

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1596.635+/-501.745 χ^2/NDF:22.2/9

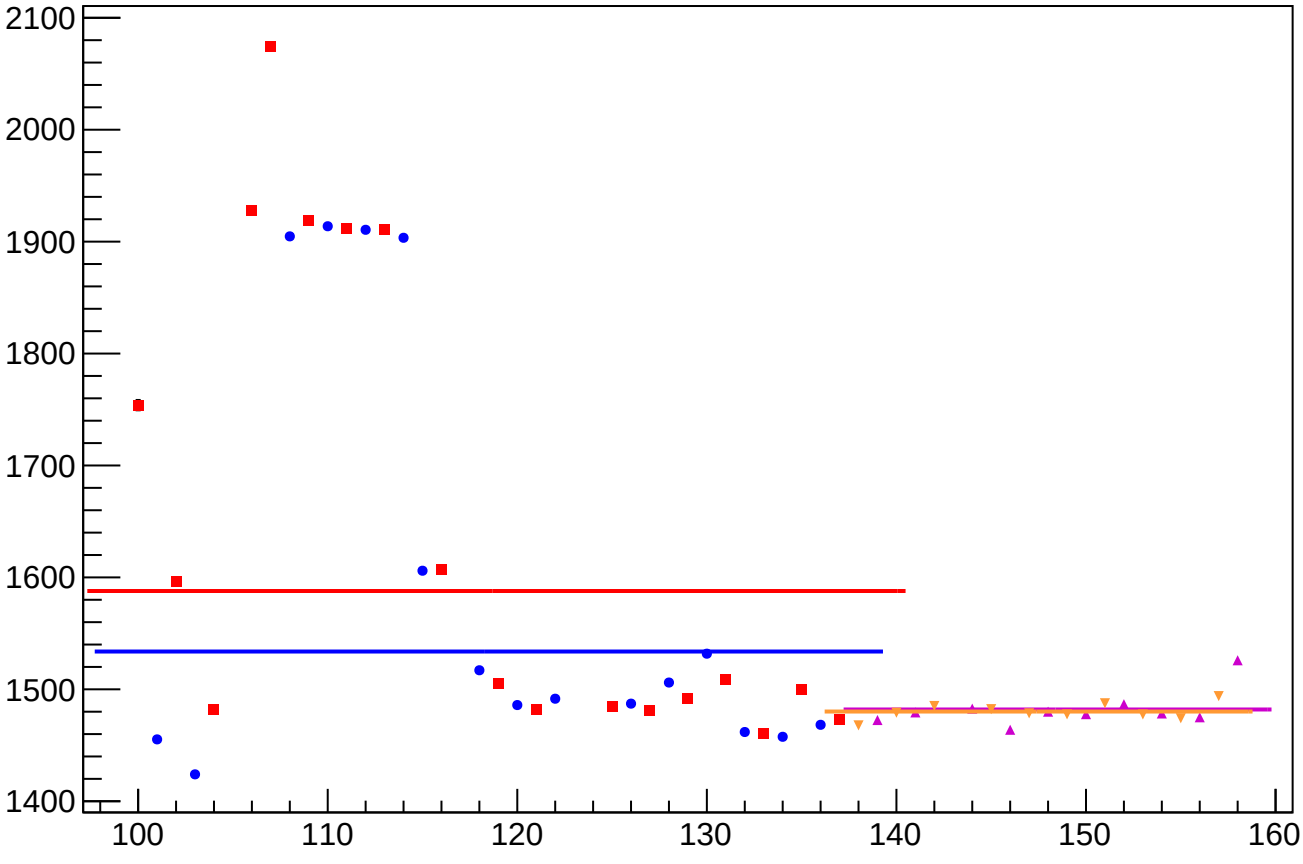
Left: 1652.018+/-363.531 χ^2/NDF: 30.4/19

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1724.822+/-377.264 χ^2/NDF:34.5/25

Out: 1706.004+/-393.131 χ^2/NDF:24.3/27

All: 1715.800+/-272.203 χ^2/NDF: 58.9/53



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.155+/-0.373 χ^2/NDF:347.8/9

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

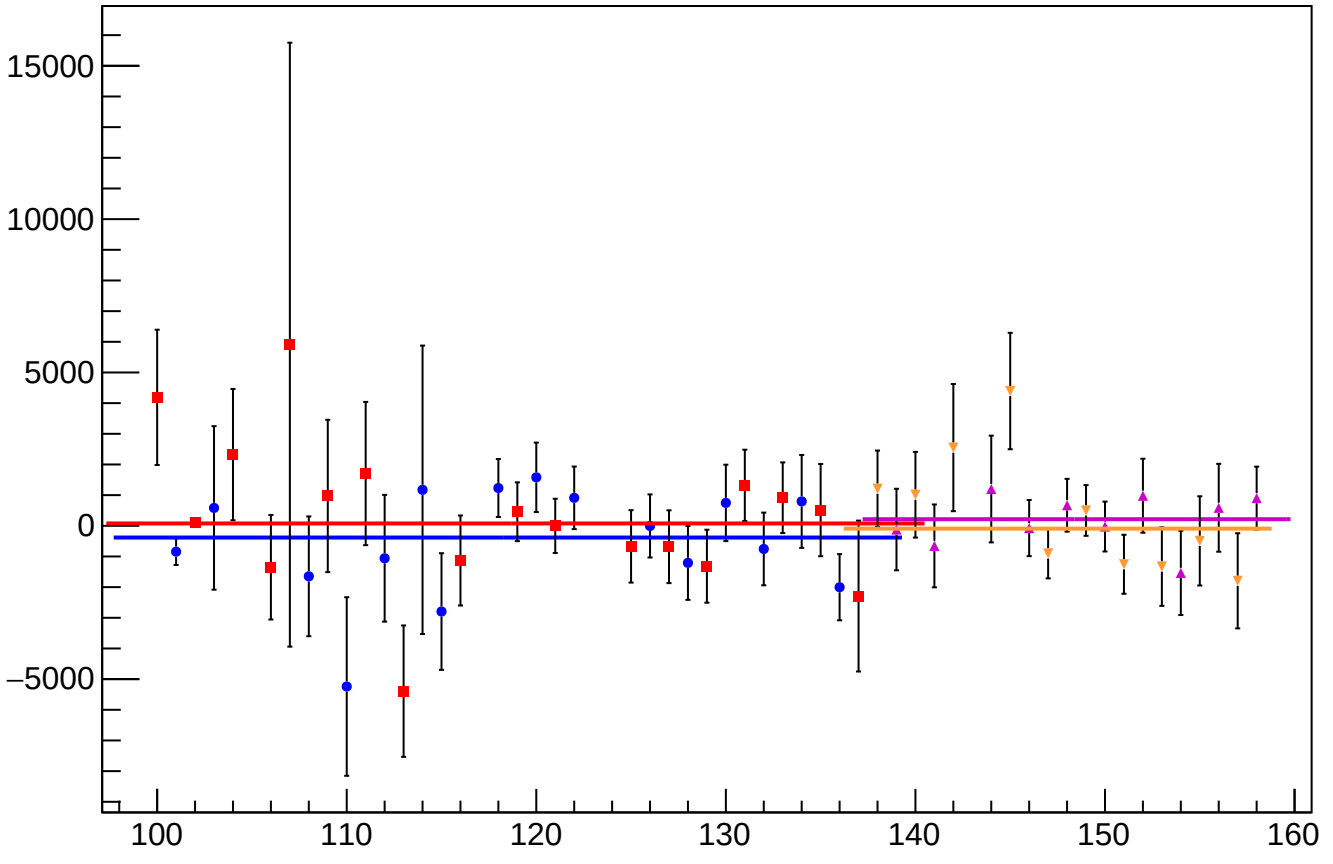
Left: 1481.112+/-0.257 χ^2/NDF: 2258.6/19

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1504.489+/-0.267 χ^2/NDF:140432.5/25

Out: 1528.017+/-0.278 χ^2/NDF:211170.9/27

All: 1515.769+/-0.192 χ^2/NDF: 355332.7/53



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -92.130+/-371.971 χ^2/NDF:14.1/9

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 215.245+/-350.149 χ^2/NDF:3.8/9

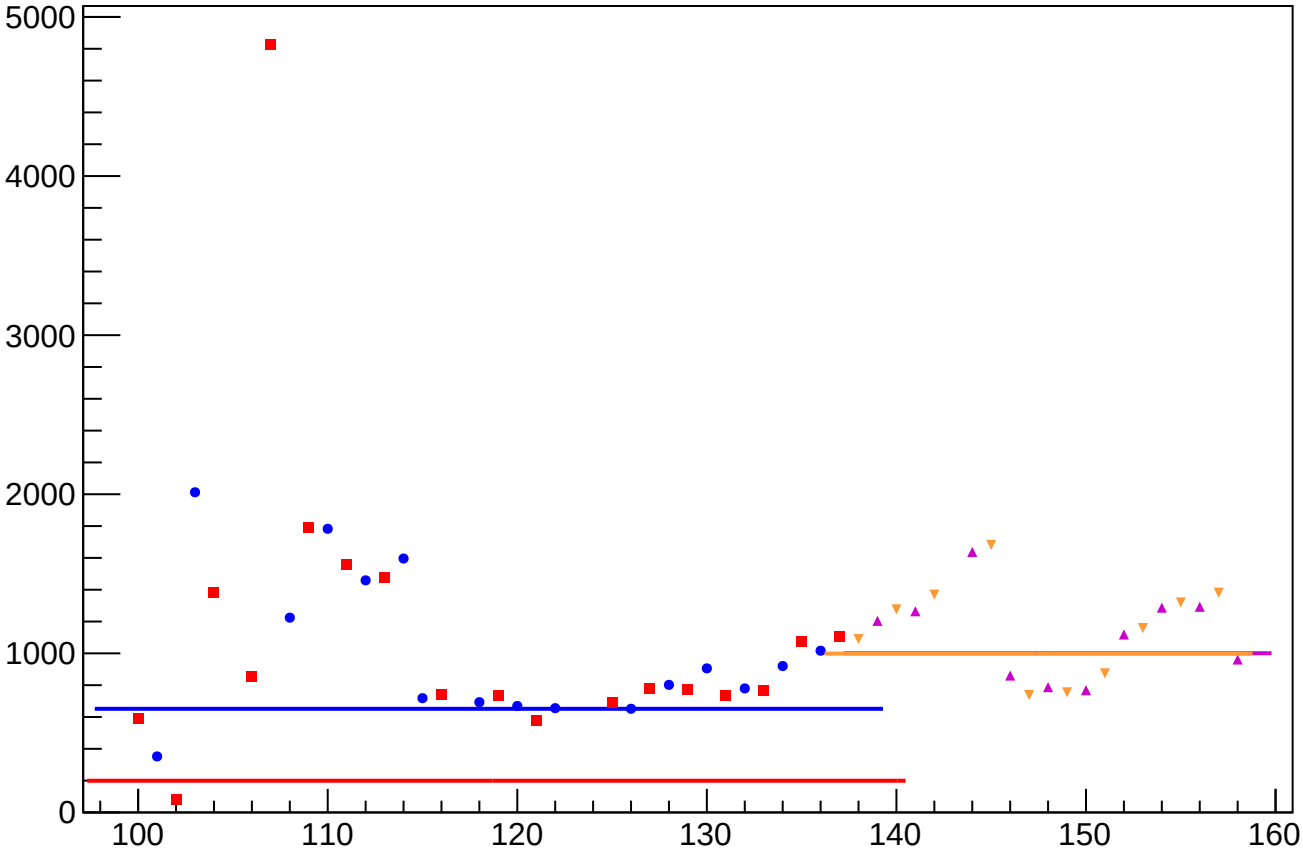
Left: 70.838+/-254.959 χ^2/NDF: 18.3/19

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -157.492+/-214.907 χ^2/NDF:23.8/25

Out: 56.286+/-129.496 χ^2/NDF:32.8/27

All: -0.659+/-110.916 χ^2/NDF: 57.3/53



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Left Out: 998.511+/-0.263 χ^2/NDF:1076621.3/9

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1000.868+/-0.248 χ^2/NDF:915659.8/9

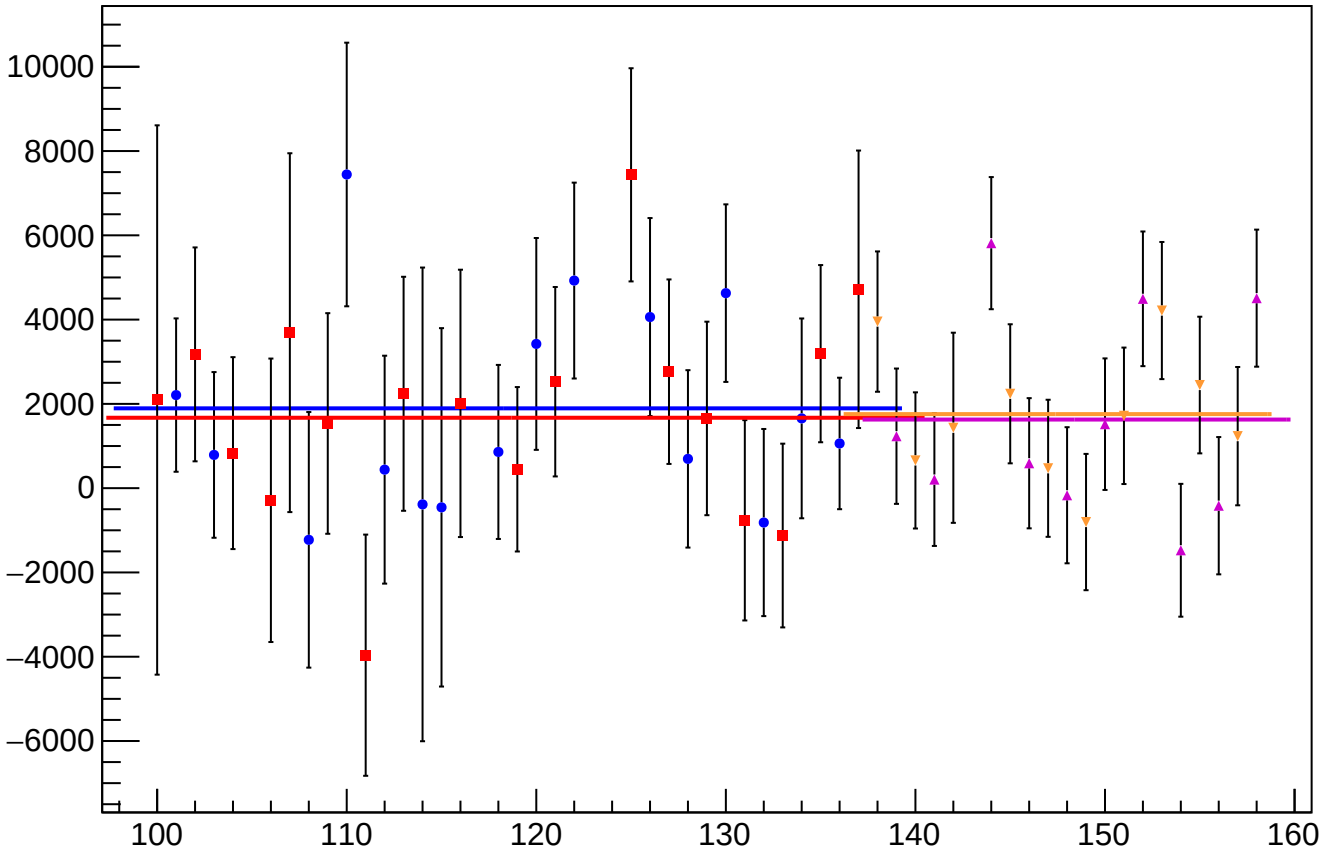
Left: 999.761+/-0.180 χ^2/NDF: 1992323.7/19

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 783.120+/-0.152 χ^2/NDF:4919234.6/25

Out: 296.201+/-0.092 χ^2/NDF:18474356.5/27

All: 425.902+/-0.078 χ^2/NDF: 30925744.1/53



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1757.211+/-528.617 χ^2/NDF:8.0/9

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1628.030+/-502.541 χ^2/NDF:21.5/9

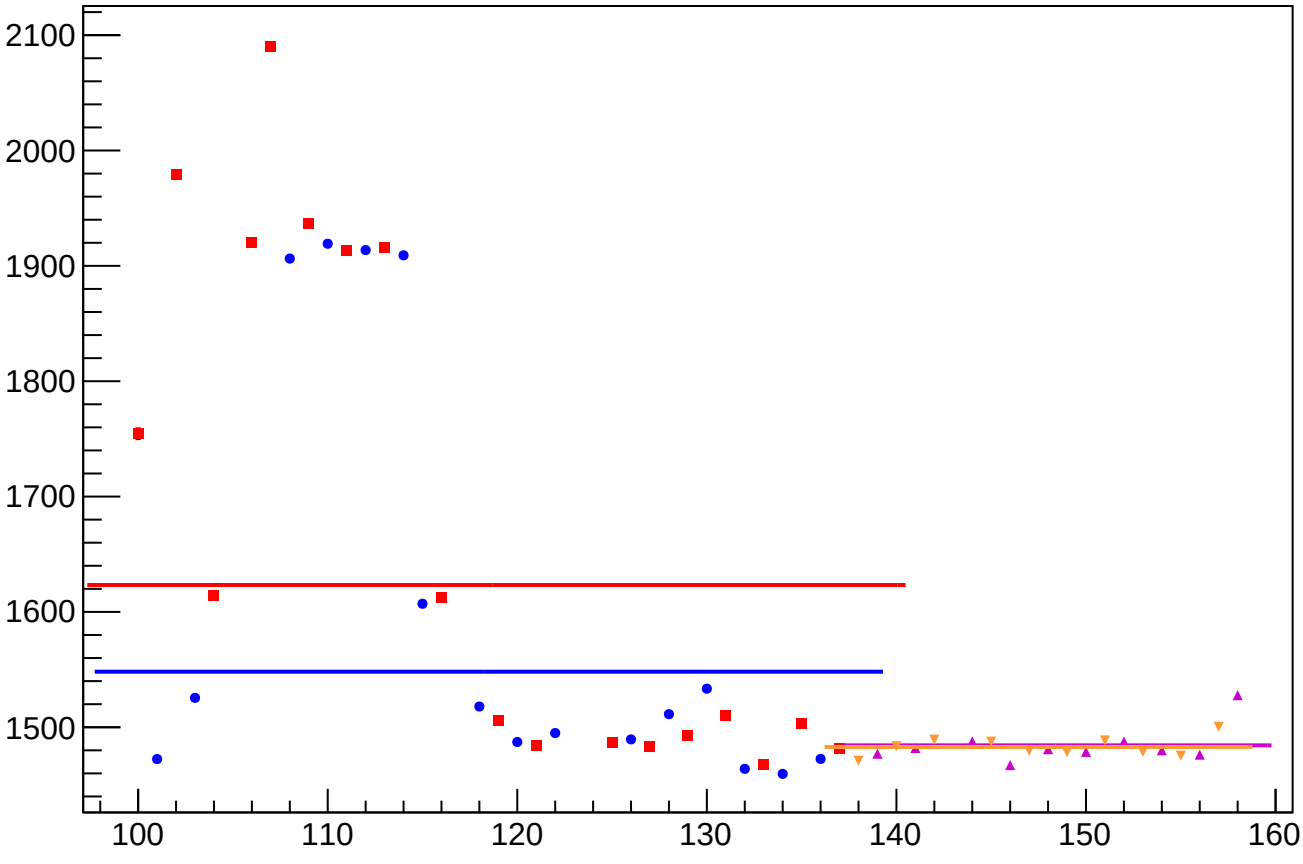
Left: 1689.356+/-364.220 χ^2/NDF: 29.5/19

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1742.688+/-379.138 χ^2/NDF:33.9/25

Out: 1719.848+/-398.026 χ^2/NDF:23.1/27

All: 1731.823+/-274.525 χ^2/NDF: 57.0/53



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.929+/-0.374 χ^2/NDF:467.0/9

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1484.304+/-0.355 χ^2/NDF:1838.4/9

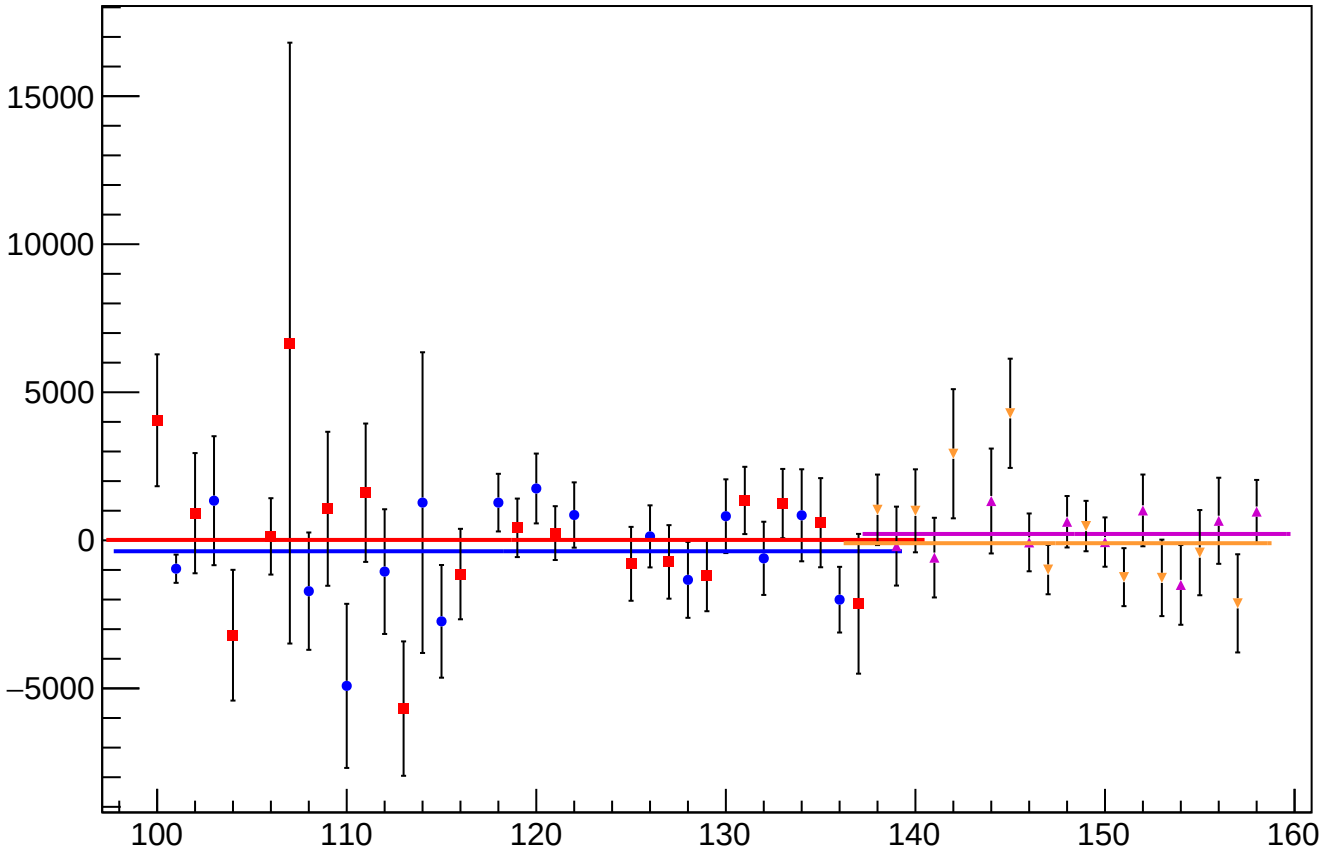
Left: 1483.651+/-0.258 χ^2/NDF: 2312.4/19

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1511.820+/-0.268 χ^2/NDF:135661.6/25

Out: 1543.731+/-0.281 χ^2/NDF:273100.6/27

All: 1527.000+/-0.194 χ^2/NDF: 415501.9/53



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -96.671+/-377.151 χ^2/NDF:14.4/9

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 215.228+/-357.313 χ^2/NDF:3.9/9

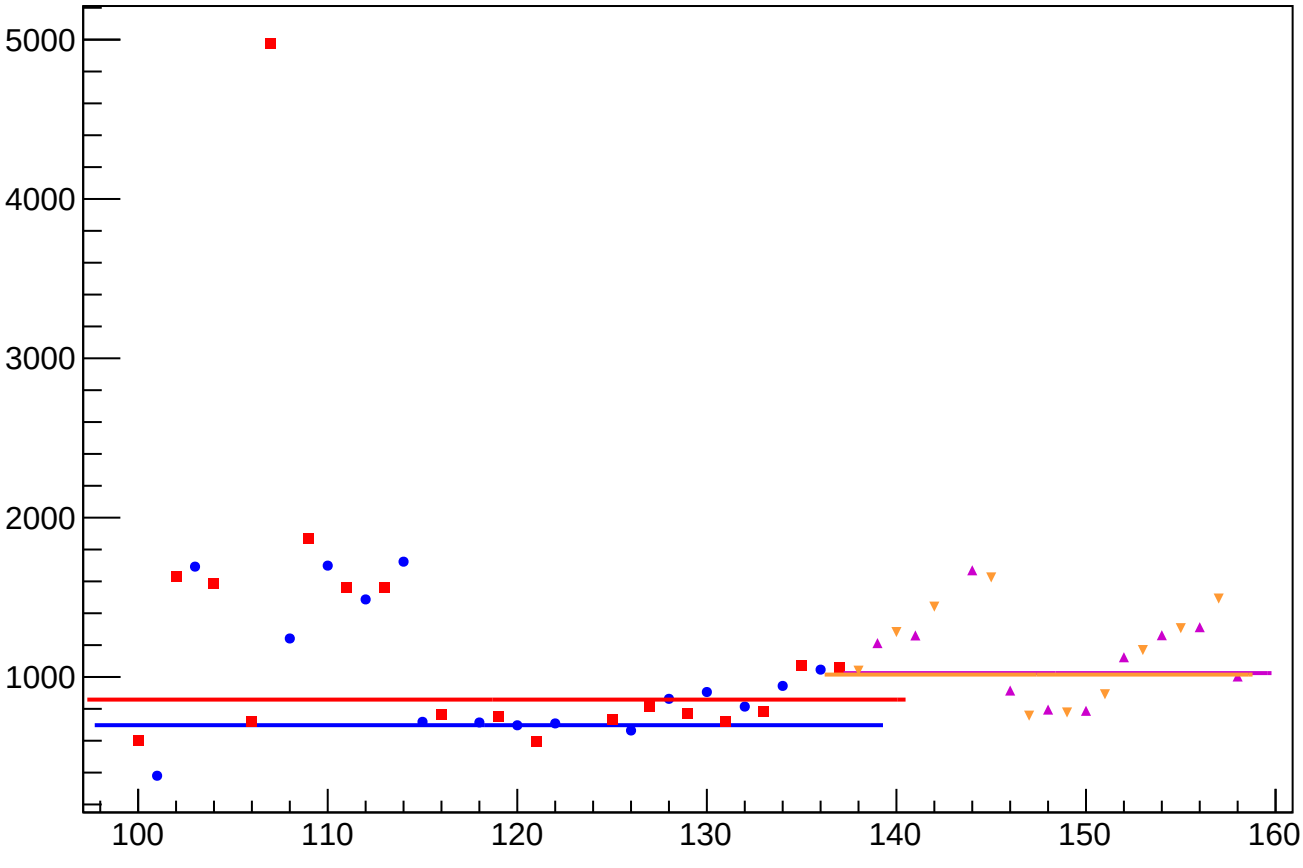
Left: 67.697+/-259.388 χ^2/NDF: 18.7/19

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -140.125+/-223.557 χ^2/NDF:24.4/25

Out: -36.018+/-253.173 χ^2/NDF:33.5/27

All: -94.514+/-167.576 χ^2/NDF: 58.1/53



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1015.061+/-0.267 χ^2/NDF:1023949.9/9

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1024.406+/-0.253 χ^2/NDF:847809.7/9

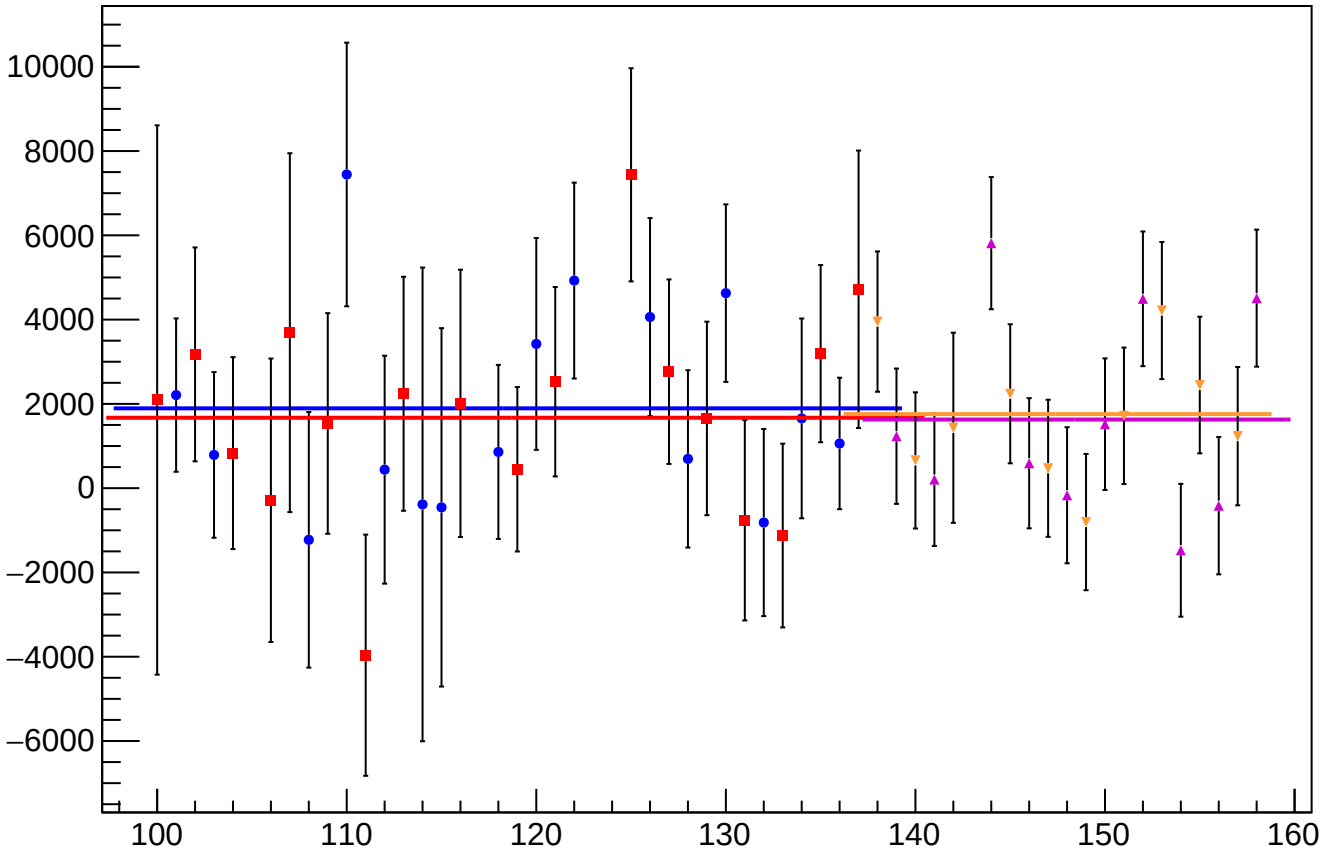
Left: 1019.986+/-0.183 χ^2/NDF: 1872406.6/19

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 825.478+/-0.158 χ^2/NDF:4302072.1/25

Out: 928.826+/-0.179 χ^2/NDF:3096436.5/27

All: 870.757+/-0.118 χ^2/NDF: 7585769.8/53



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1757.210+/-528.617 χ^2/NDF:8.0/9

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1628.031+/-502.541 χ^2/NDF:21.5/9

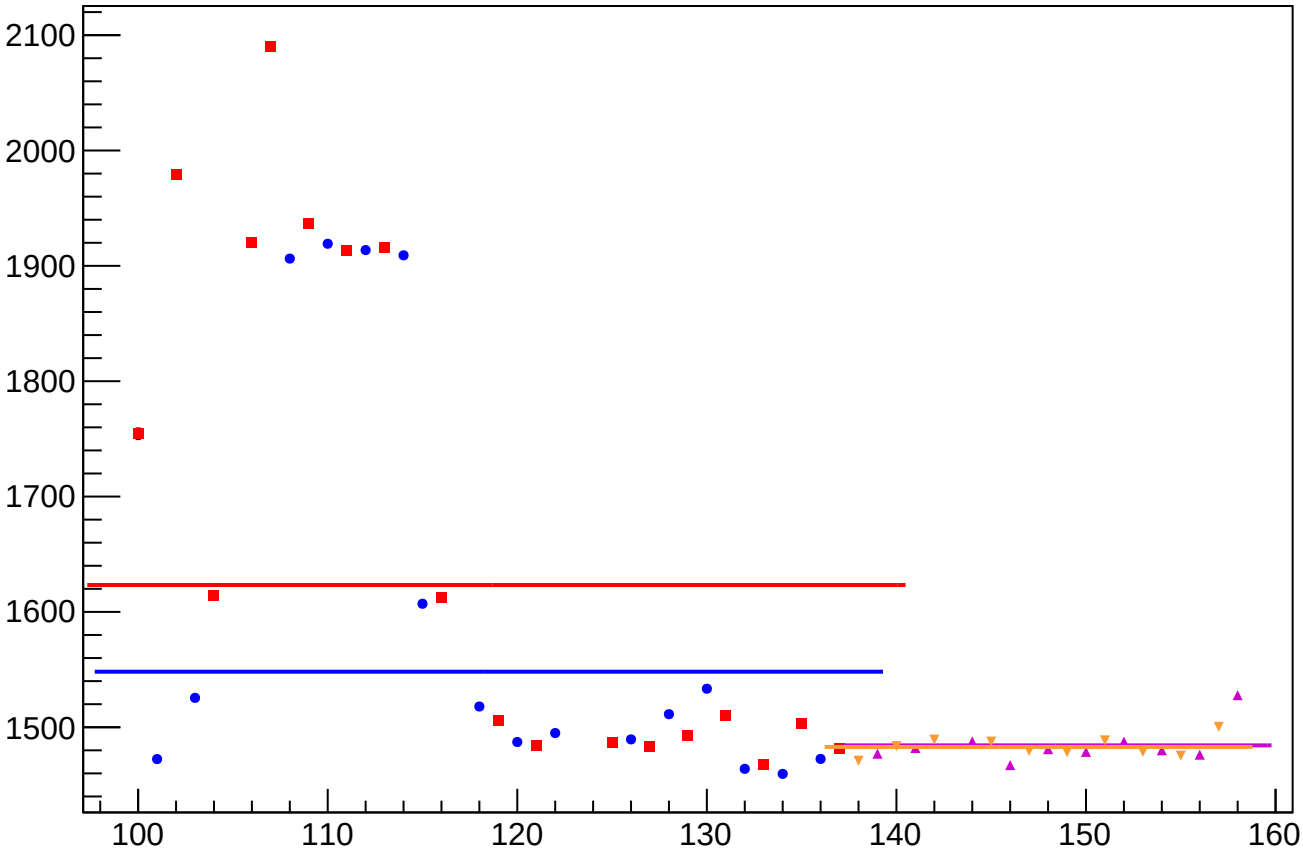
Left: 1689.356+/-364.220 χ^2/NDF: 29.5/19

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1742.688+/-379.138 χ^2/NDF:33.9/25

Out: 1719.846+/-398.026 χ^2/NDF:23.1/27

All: 1731.822+/-274.525 χ^2/NDF: 57.0/53



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.929+/-0.374 χ^2/NDF:467.0/9

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1484.304+/-0.355 χ^2/NDF:1838.4/9

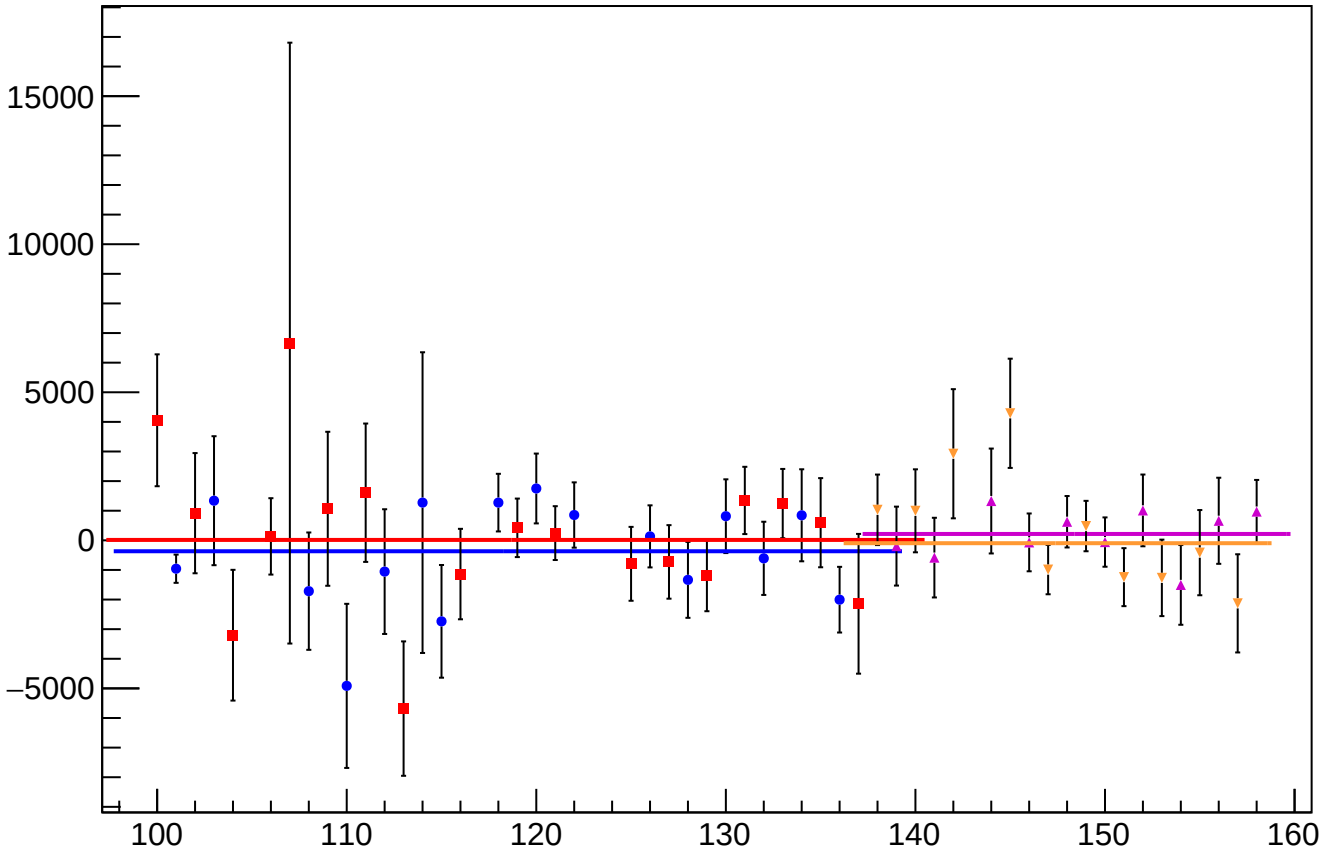
Left: 1483.651+/-0.258 χ^2/NDF: 2312.4/19

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1511.820+/-0.268 χ^2/NDF:135661.6/25

Out: 1543.730+/-0.281 χ^2/NDF:273100.2/27

All: 1527.000+/-0.194 χ^2/NDF: 415501.5/53



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -96.674+/-377.152 χ^2/NDF:14.4/9

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 215.229+/-357.313 χ^2/NDF:3.9/9

Left: 67.696+/-259.388 χ^2/NDF: 18.7/19

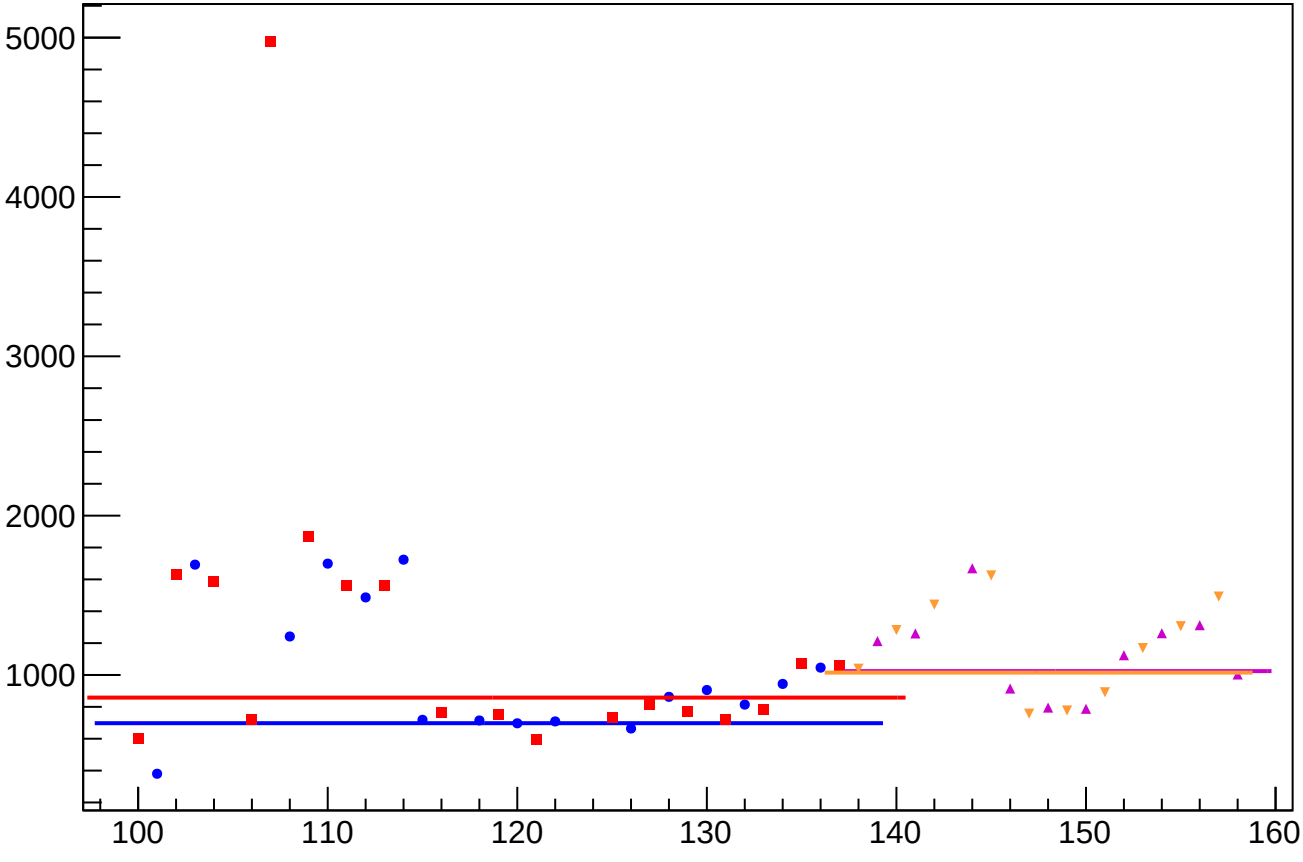
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -140.124+/-223.557 χ^2/NDF:24.4/25

Out: -36.019+/-253.173 χ^2/NDF:33.5/27

All: -94.514+/-167.576 χ^2/NDF: 58.1/53

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1015.063+/-0.267 χ^2/NDF:1023947.4/9

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1024.408+/-0.253 χ^2/NDF:847806.0/9

Left: 1019.988+/-0.183 χ^2/NDF: 1872400.4/19

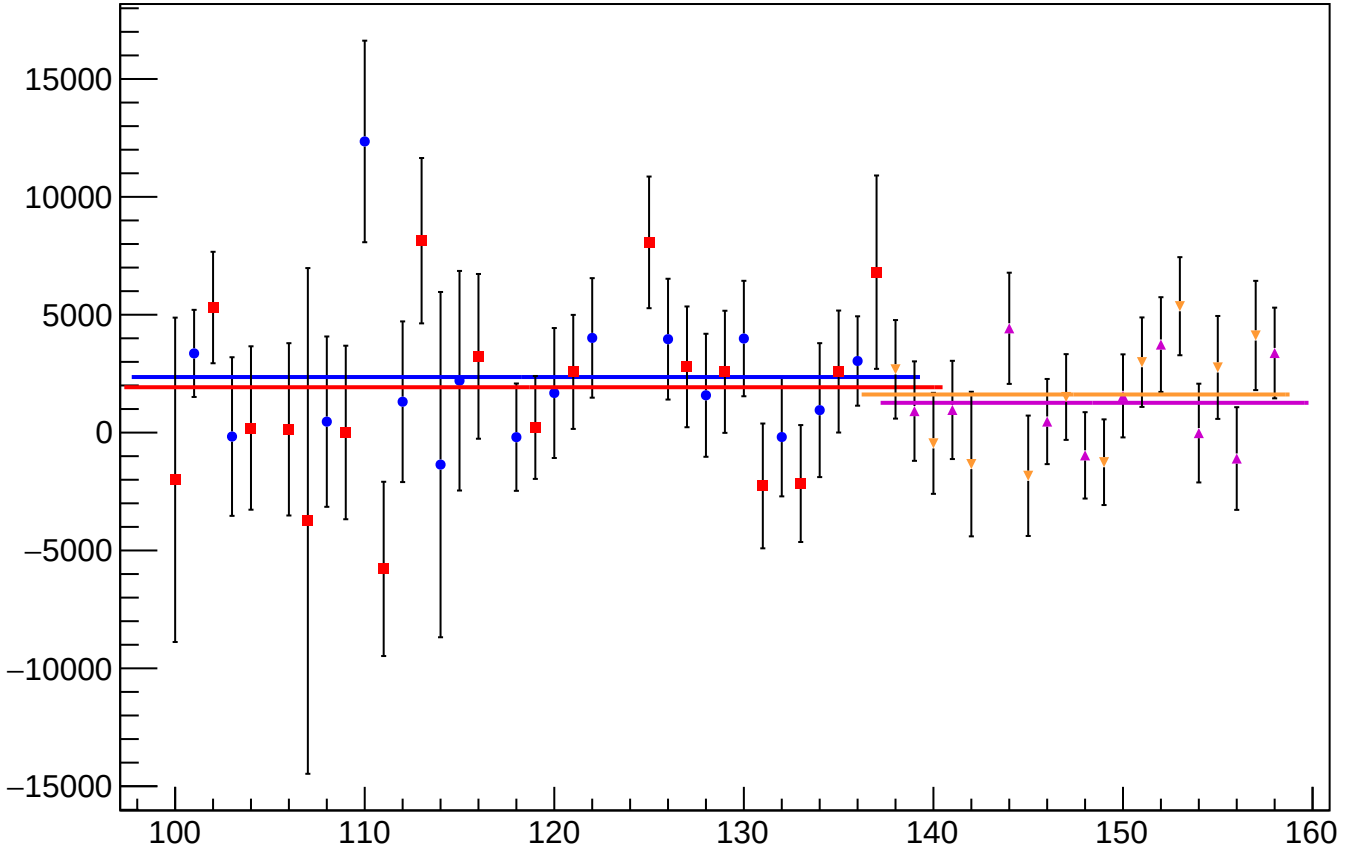
Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 825.479+/-0.158 χ^2/NDF:4302070.1/25

Out: 928.826+/-0.179 χ^2/NDF:3096451.1/27

All: 870.757+/-0.118 χ^2/NDF: 7585779.2/53

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1616.777+/-671.700 χ^2/NDF:11.7/9

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1263.428+/-630.161 χ^2/NDF:7.8/9

Left: 1428.840+/-459.575 χ^2/NDF: 19.6/19

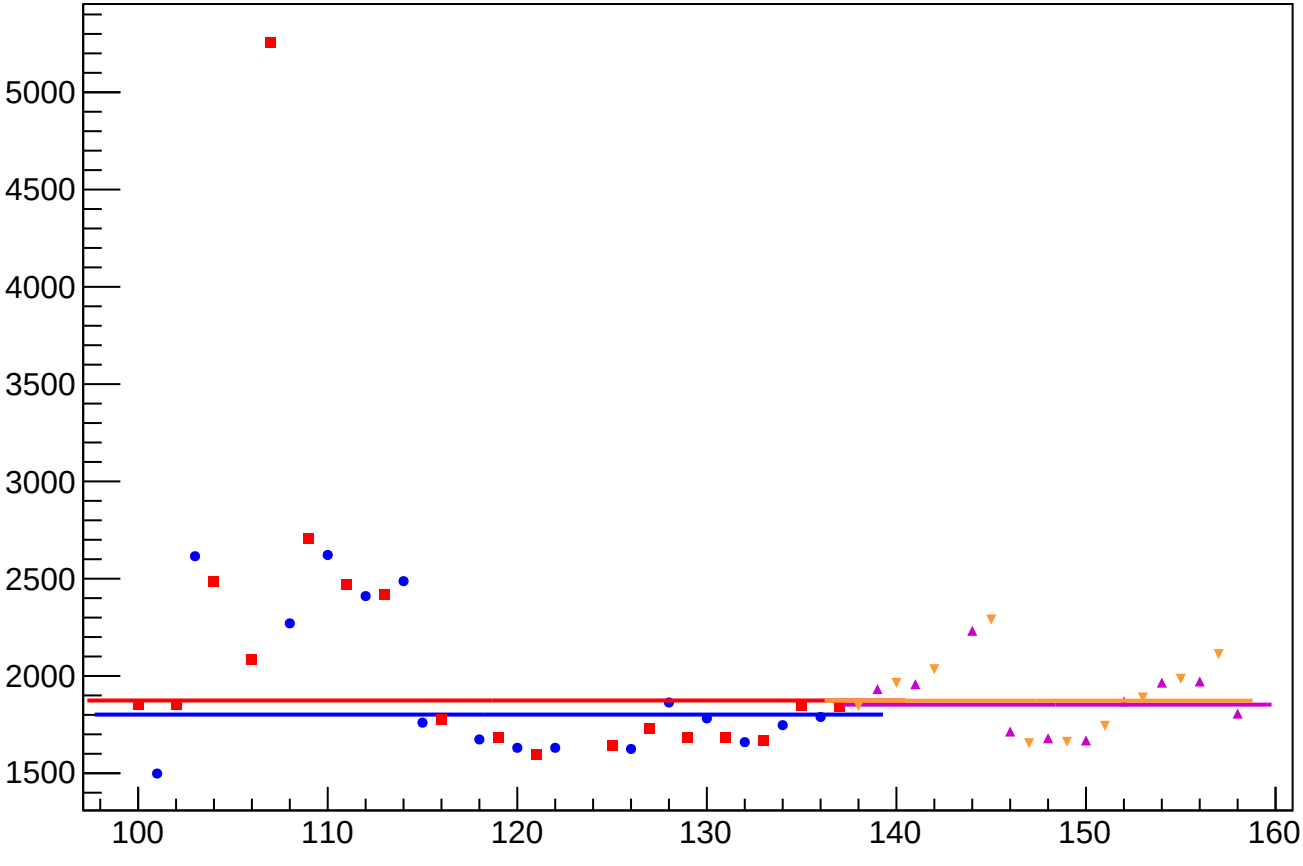
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1769.519+/-461.875 χ^2/NDF:20.2/25

Out: 1762.960+/-486.903 χ^2/NDF:35.2/27

All: 1766.413+/-335.094 χ^2/NDF: 55.4/53

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1873.080+/-0.475 χ^2/NDF:154951.4/9

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1852.732+/-0.446 χ^2/NDF:124279.9/9

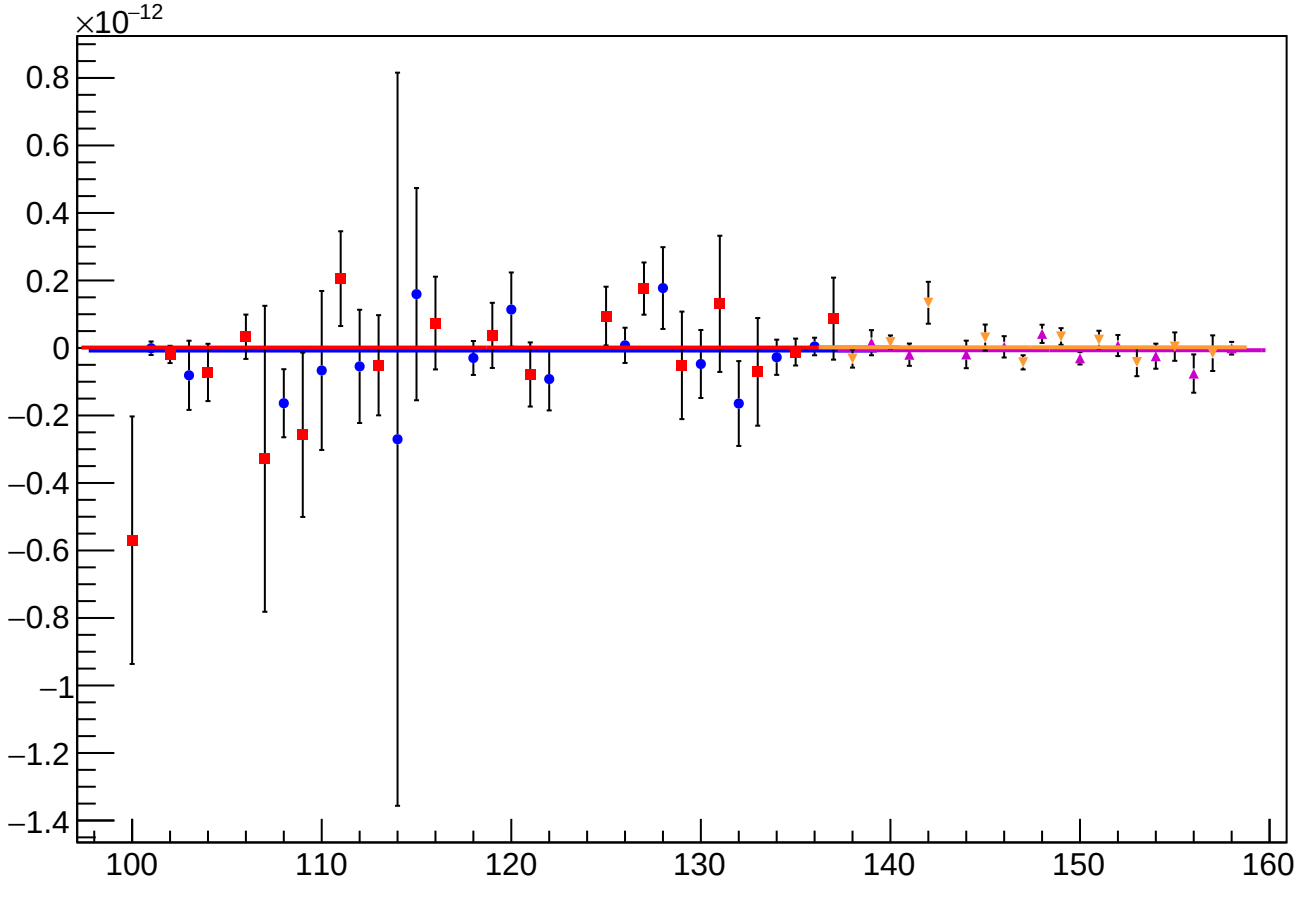
Left: 1862.258+/-0.325 χ^2/NDF: 280207.5/19

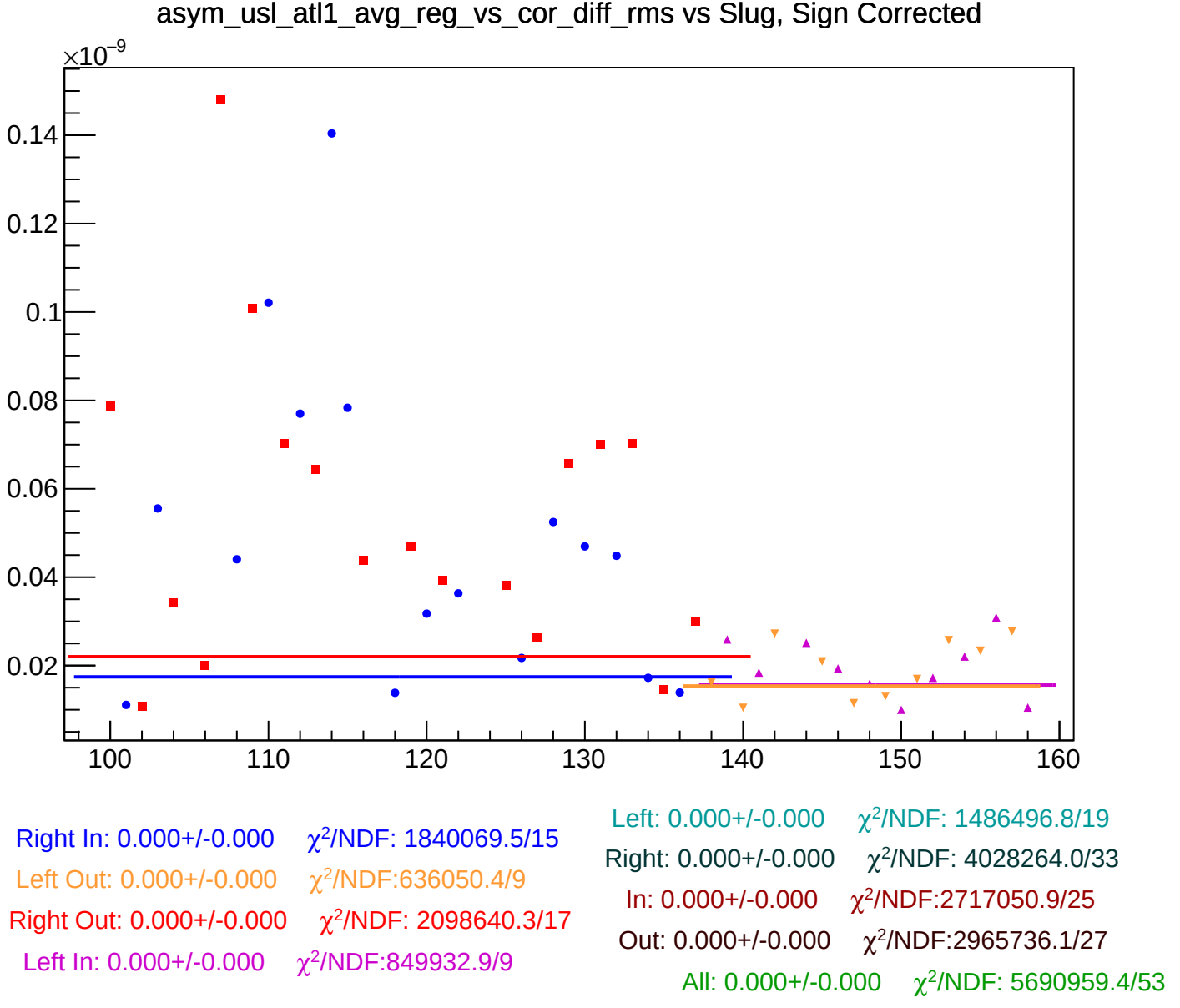
Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

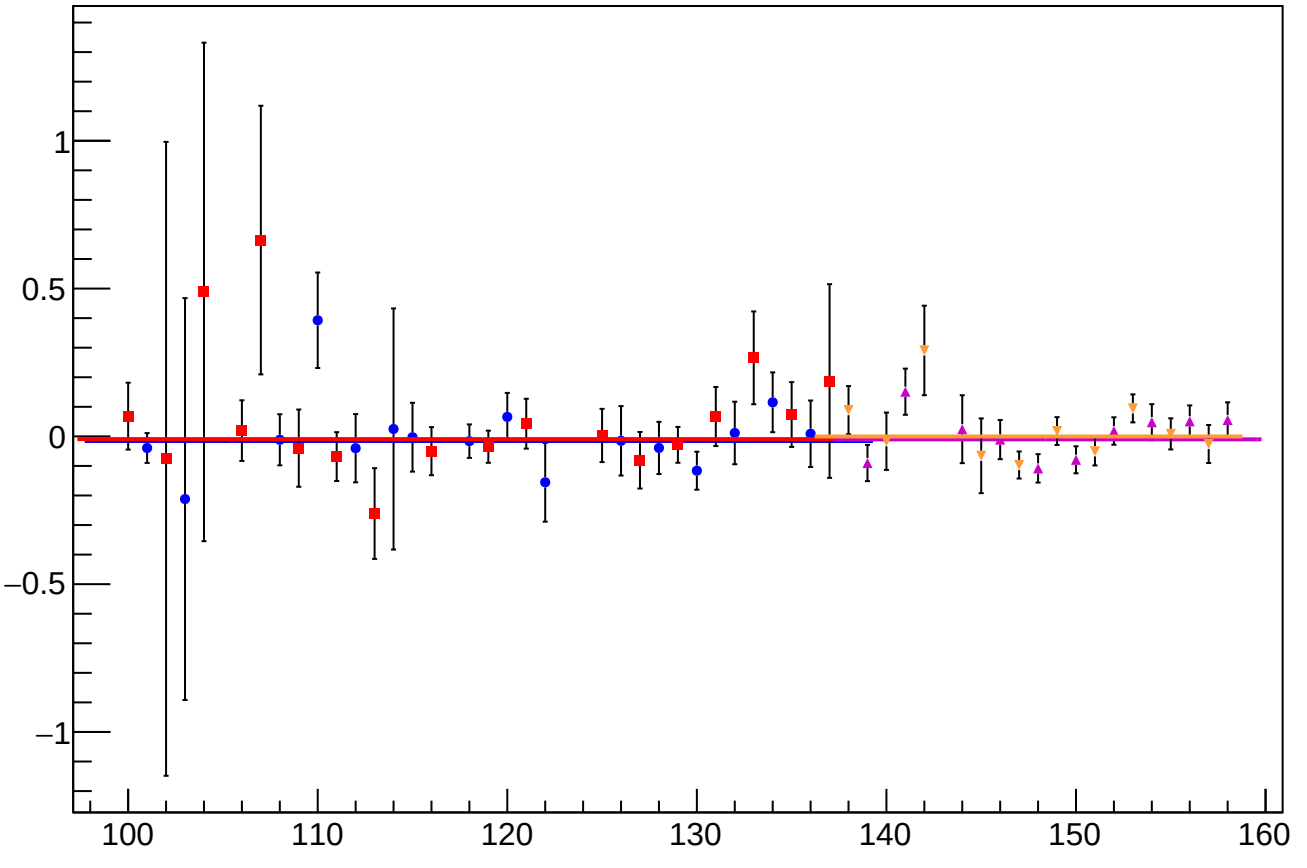
In: 1829.036+/-0.327 χ^2/NDF:531093.4/25

Out: 1873.505+/-0.344 χ^2/NDF:724862.1/27

All: 1850.098+/-0.237 χ^2/NDF: 1264736.6/53


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 10.2/15
Left Out: 0.000+/-0.000 χ²/NDF:15.3/9
Right Out: 0.000+/-0.000 χ²/NDF: 16.7/17
Left In: -0.000+/-0.000 χ²/NDF:7.7/9
Left: -0.000+/-0.000 χ²/NDF: 23.4/19
Right: -0.000+/-0.000 χ²/NDF: 27.1/33
In: -0.000+/-0.000 χ²/NDF:17.9/25
Out: 0.000+/-0.000 χ²/NDF:32.0/27
All: -0.000+/-0.000 χ²/NDF: 50.5/53


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:636050.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:849932.9/9
Left: 0.000+/-0.000 χ²/NDF: 1486496.8/19
Right: 0.000+/-0.000 χ²/NDF: 4028264.0/33
In: 0.000+/-0.000 χ²/NDF:2717050.9/25
Out: 0.000+/-0.000 χ²/NDF:2965736.1/27
All: 0.000+/-0.000 χ²/NDF: 5690959.4/53



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.018 χ^2/NDF:16.3/9

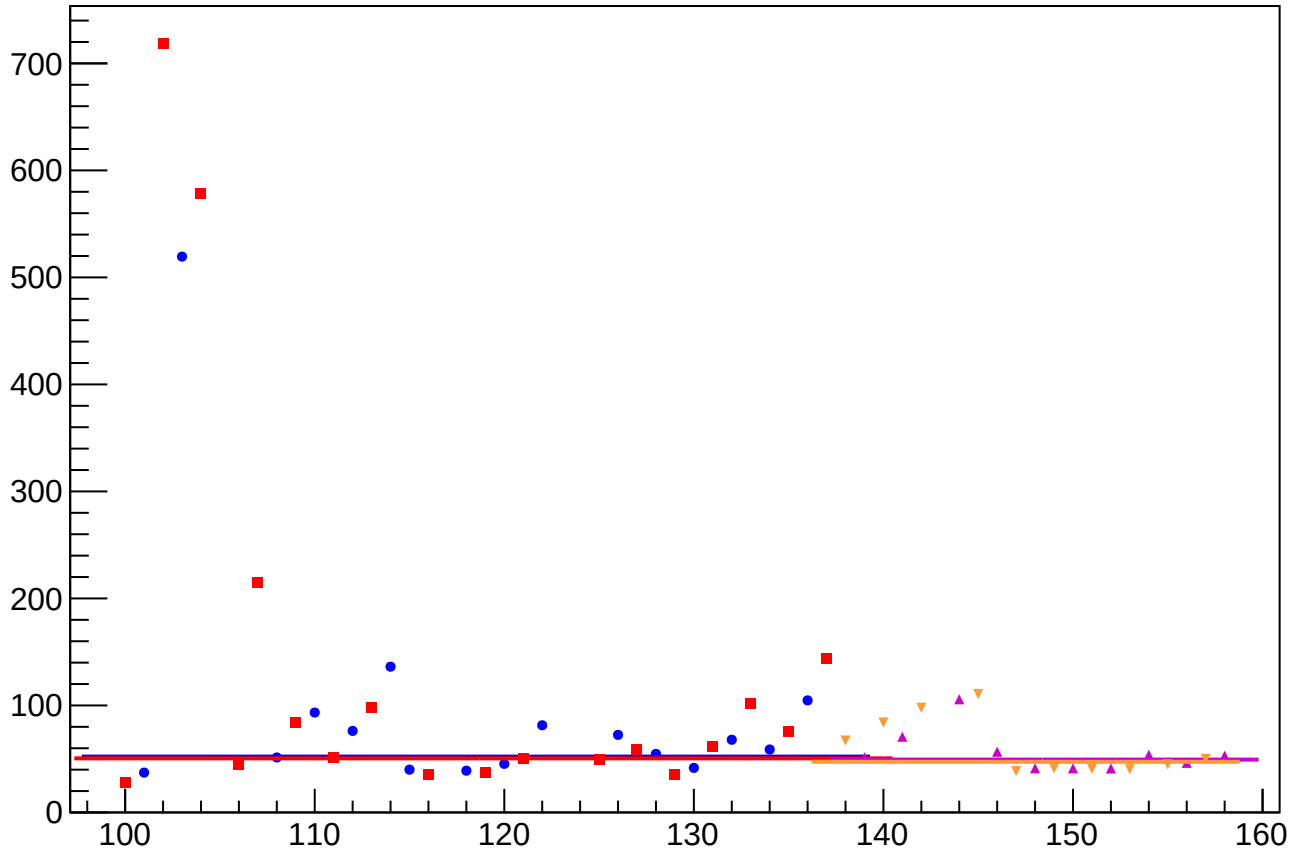
Left: -0.005+/-0.013 χ^2/NDF: 31.5/19

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/25

Out: -0.004+/-0.015 χ^2/NDF:27.7/27

All: -0.008+/-0.010 χ^2/NDF: 57.3/53



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323564.3/9

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.395+/-0.013 χ^2/NDF:868960.1/9

Left: 48.412+/-0.009 χ^2/NDF: 2204606.6/19

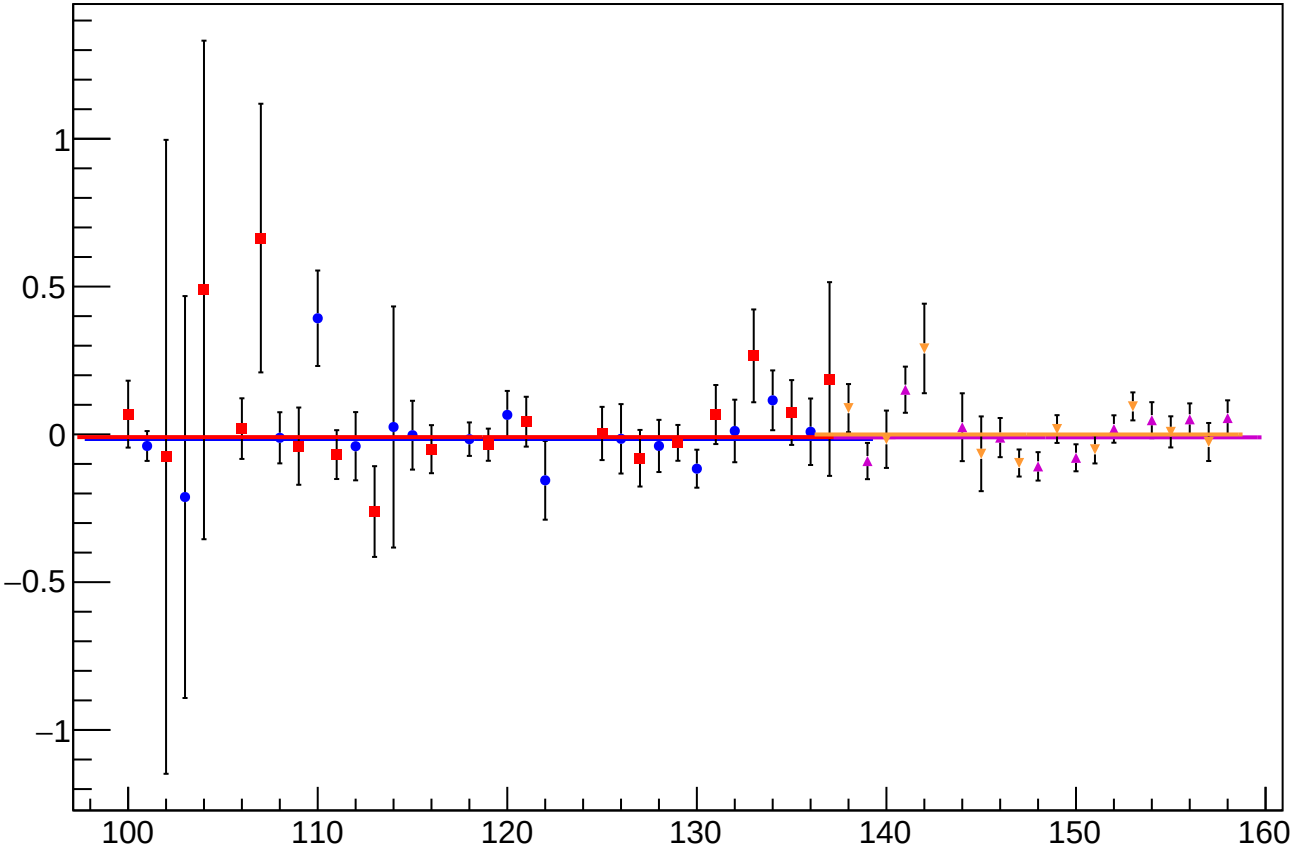
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.496+/-0.010 χ^2/NDF:3154369.1/25

Out: 48.619+/-0.010 χ^2/NDF:4397737.7/27

All: 49.595+/-0.007 χ^2/NDF: 7568871.1/53

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.018 χ^2/NDF:16.3/9

Left: -0.005+/-0.013 χ^2/NDF: 31.5/19

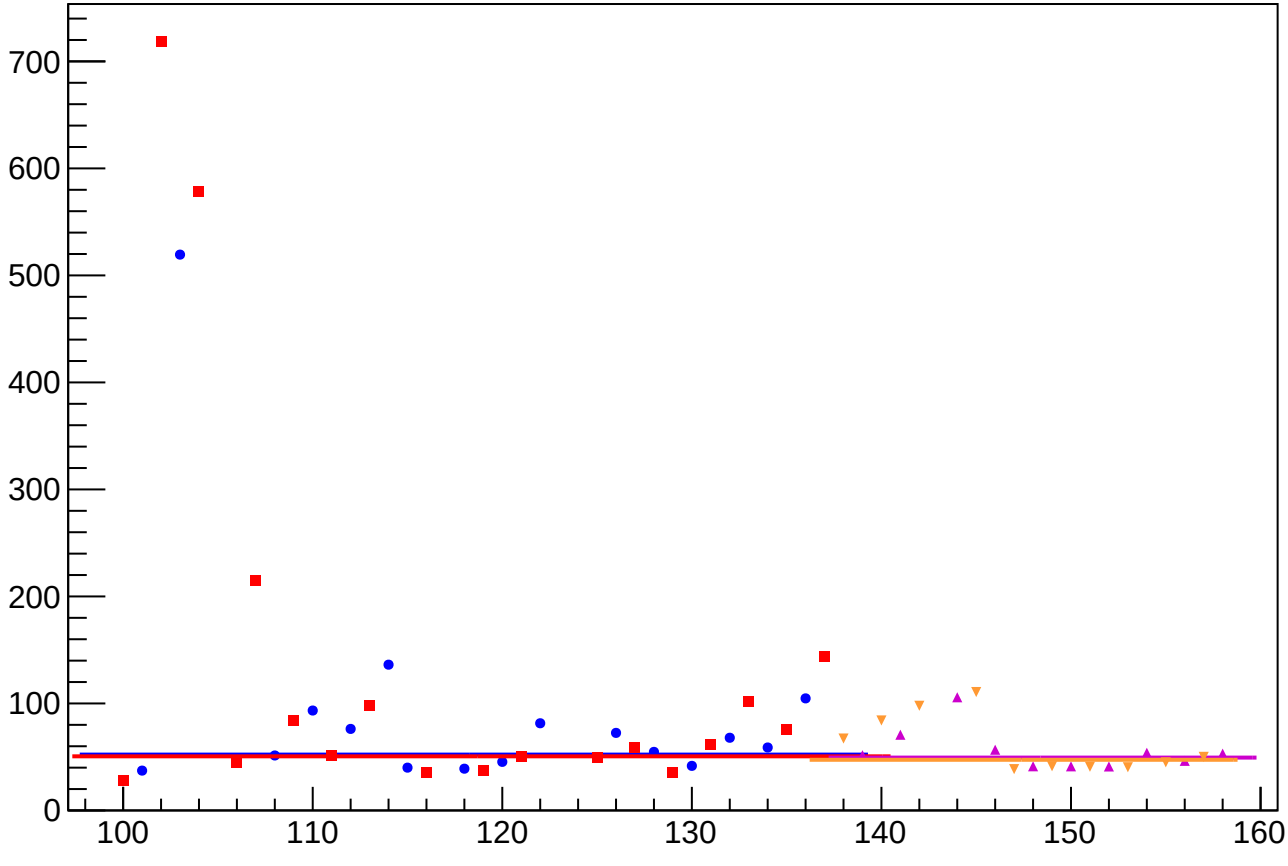
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/25

Out: -0.004+/-0.015 χ^2/NDF:27.7/27

All: -0.008+/-0.010 χ^2/NDF: 57.3/53

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323564.3/9

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.395+/-0.013 χ^2/NDF:868960.1/9

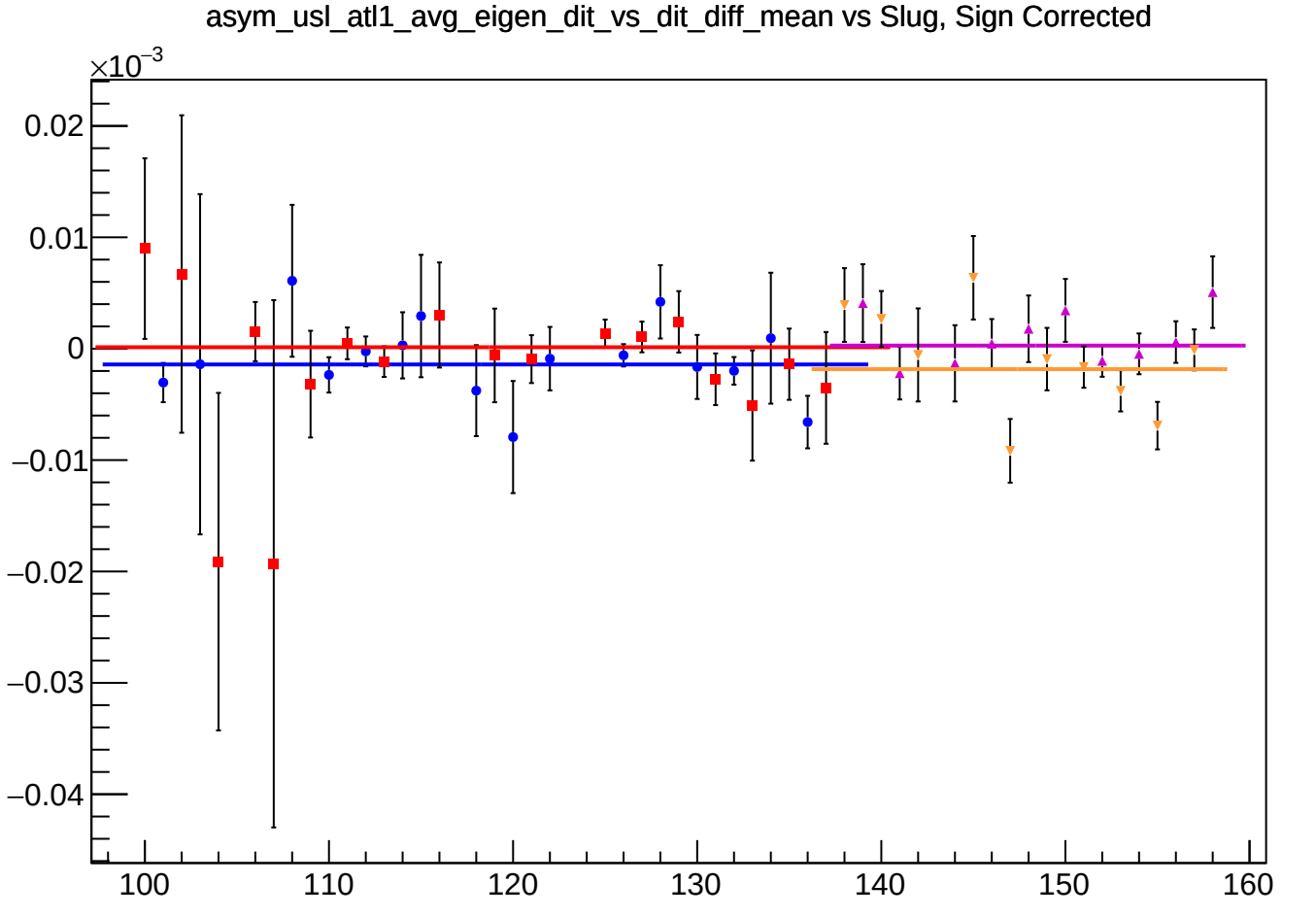
Left: 48.412+/-0.009 χ^2/NDF: 2204606.6/19

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

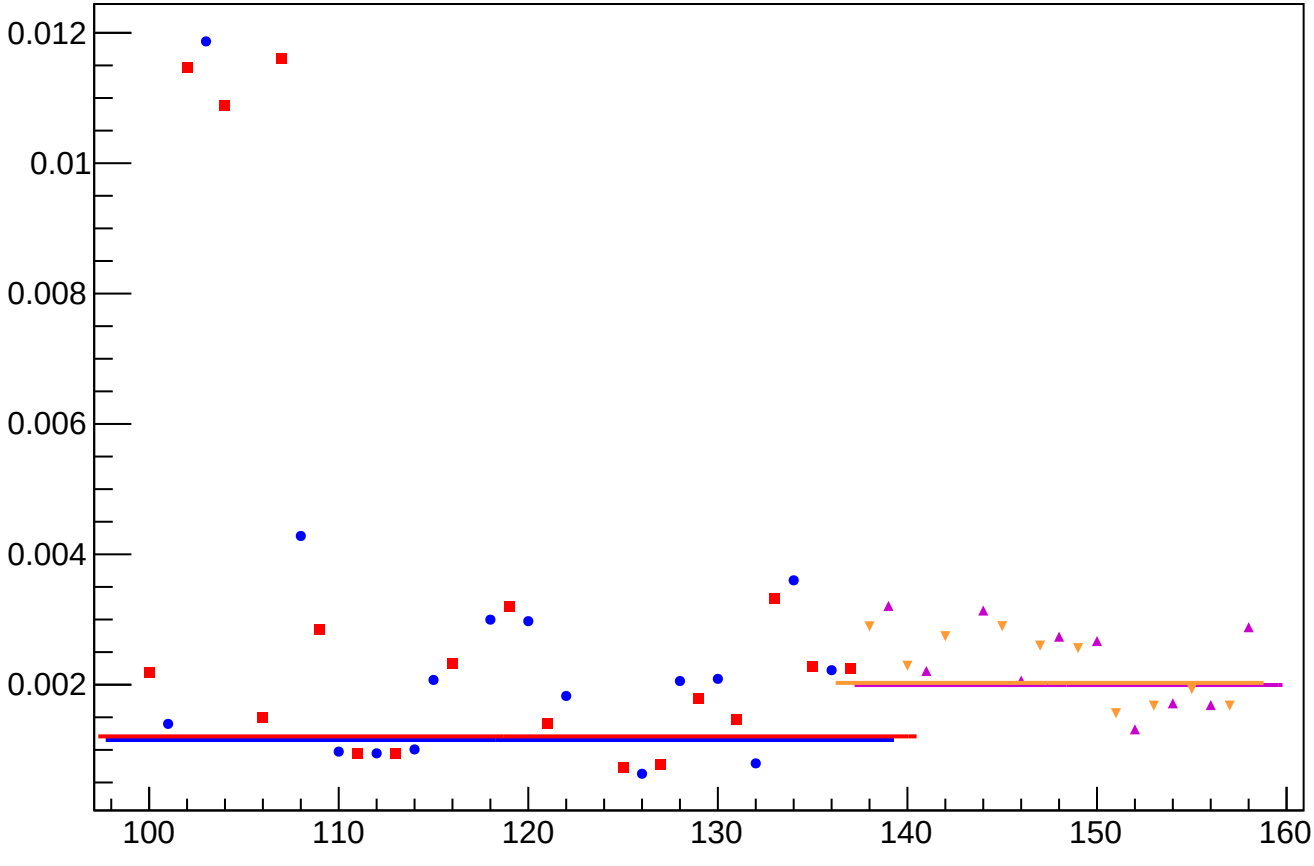
In: 50.496+/-0.010 χ^2/NDF:3154369.1/25

Out: 48.619+/-0.010 χ^2/NDF:4397737.7/27

All: 49.595+/-0.007 χ^2/NDF: 7568871.1/53


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:25.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 11.6/17
Left In: 0.000+/-0.000 χ²/NDF:7.4/9
Left: -0.000+/-0.000 χ²/NDF: 37.0/19
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:26.0/25
Out: -0.000+/-0.000 χ²/NDF:41.4/27
All: -0.000+/-0.000 χ²/NDF: 67.7/53

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:751806.8/9

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1425092.6/9

Left: 0.002+/-0.000 χ^2/NDF: 2178882.0/19

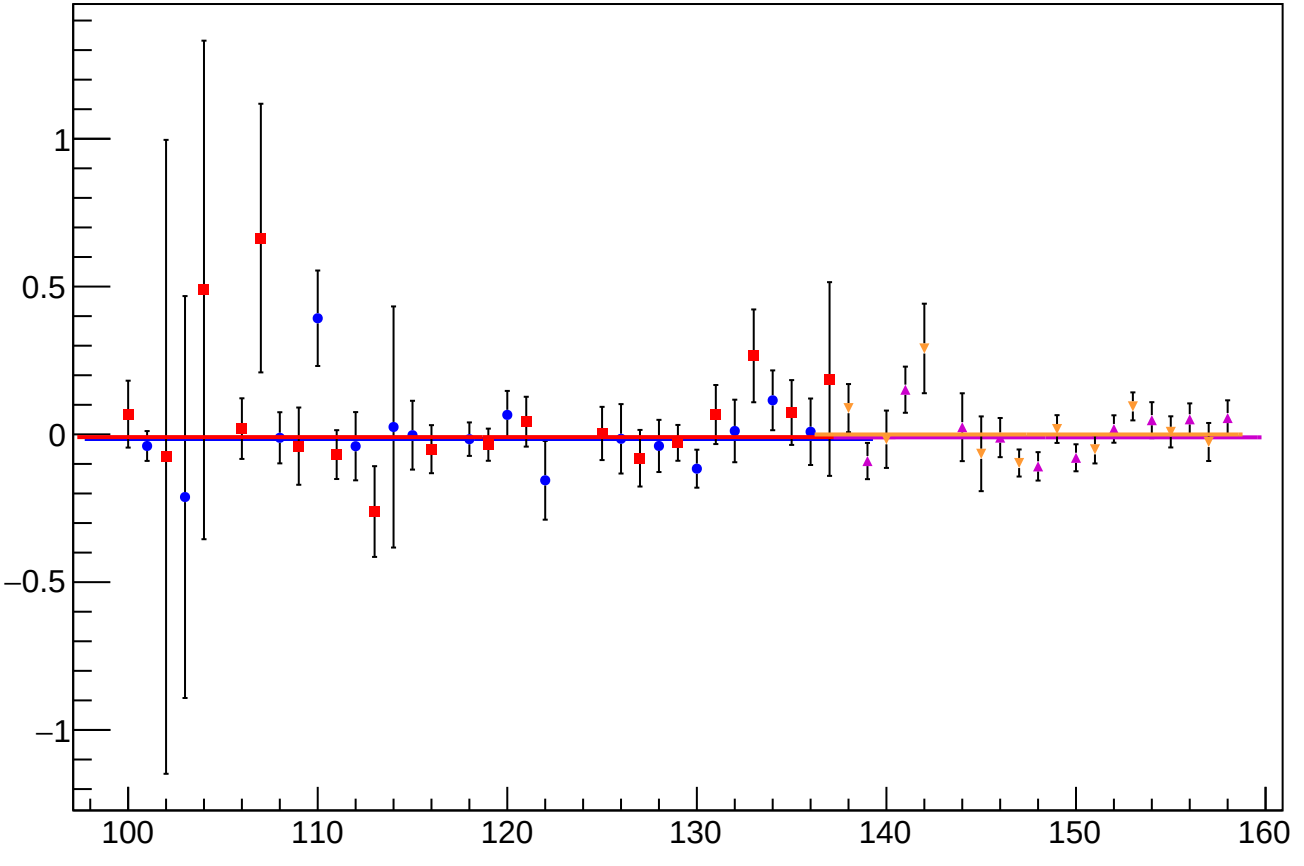
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:7444121.2/25

Out: 0.001+/-0.000 χ^2/NDF:6789150.5/27

All: 0.001+/-0.000 χ^2/NDF: 14247634.1/53

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.018 χ^2/NDF:16.3/9

Left: -0.005+/-0.013 χ^2/NDF: 31.5/19

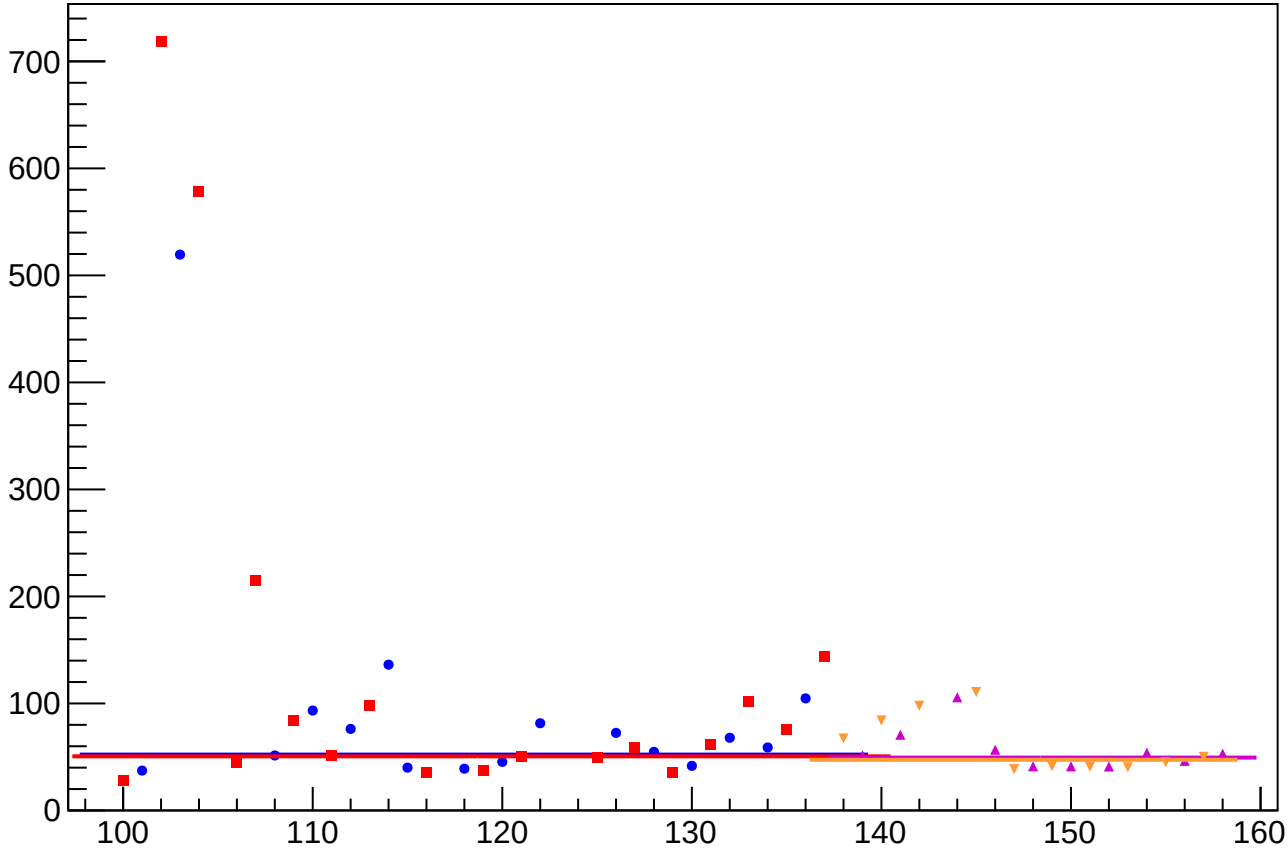
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/25

Out: -0.004+/-0.015 χ^2/NDF:27.7/27

All: -0.008+/-0.010 χ^2/NDF: 57.3/53

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: 47.350+/-0.013 χ^2/NDF:1323541.5/9

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.396+/-0.013 χ^2/NDF:868951.1/9

Left: 48.413+/-0.009 χ^2/NDF: 2204577.6/19

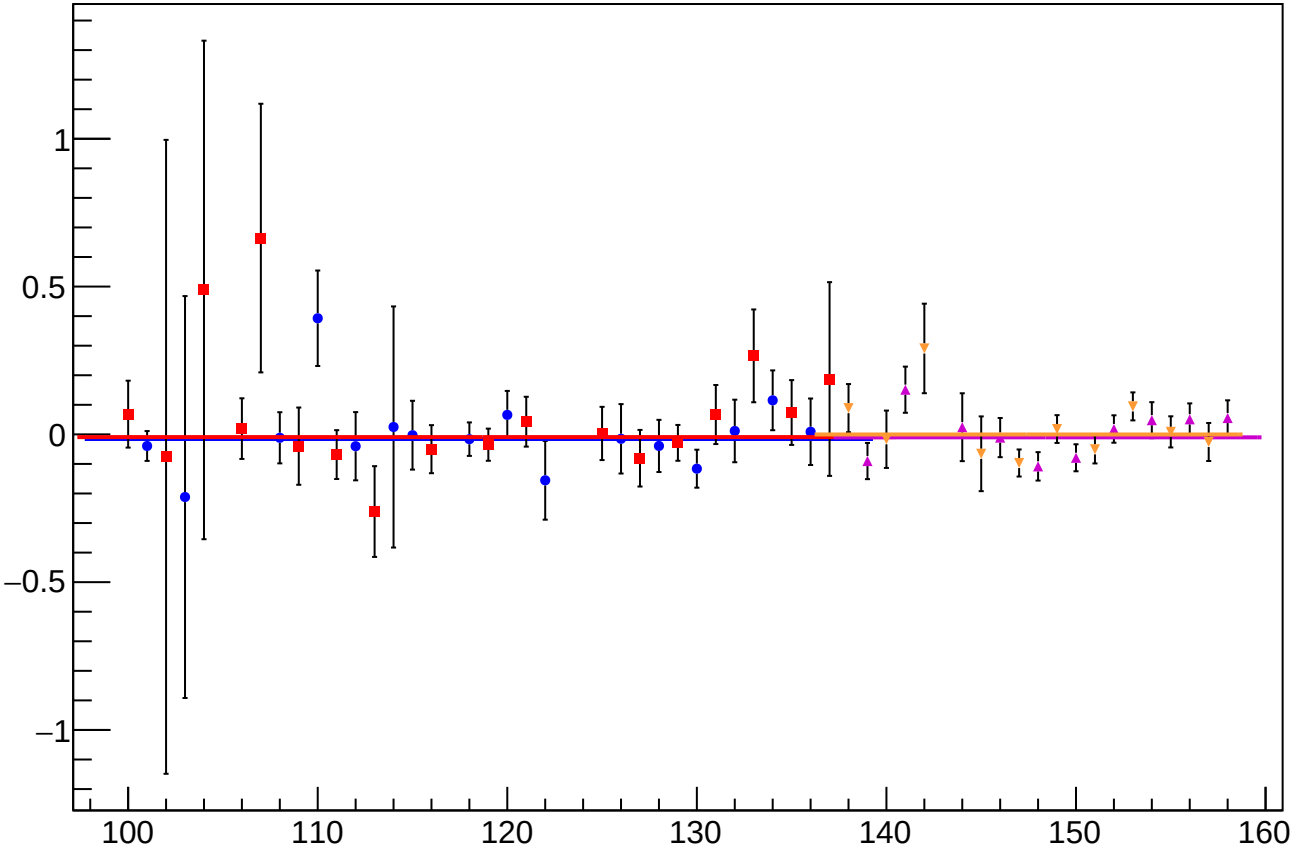
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.496+/-0.010 χ^2/NDF:3154348.8/25

Out: 48.618+/-0.010 χ^2/NDF:4397695.9/27

All: 49.595+/-0.007 χ^2/NDF: 7568812.4/53

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.018 χ^2/NDF:16.3/9

Left: -0.005+/-0.013 χ^2/NDF: 31.5/19

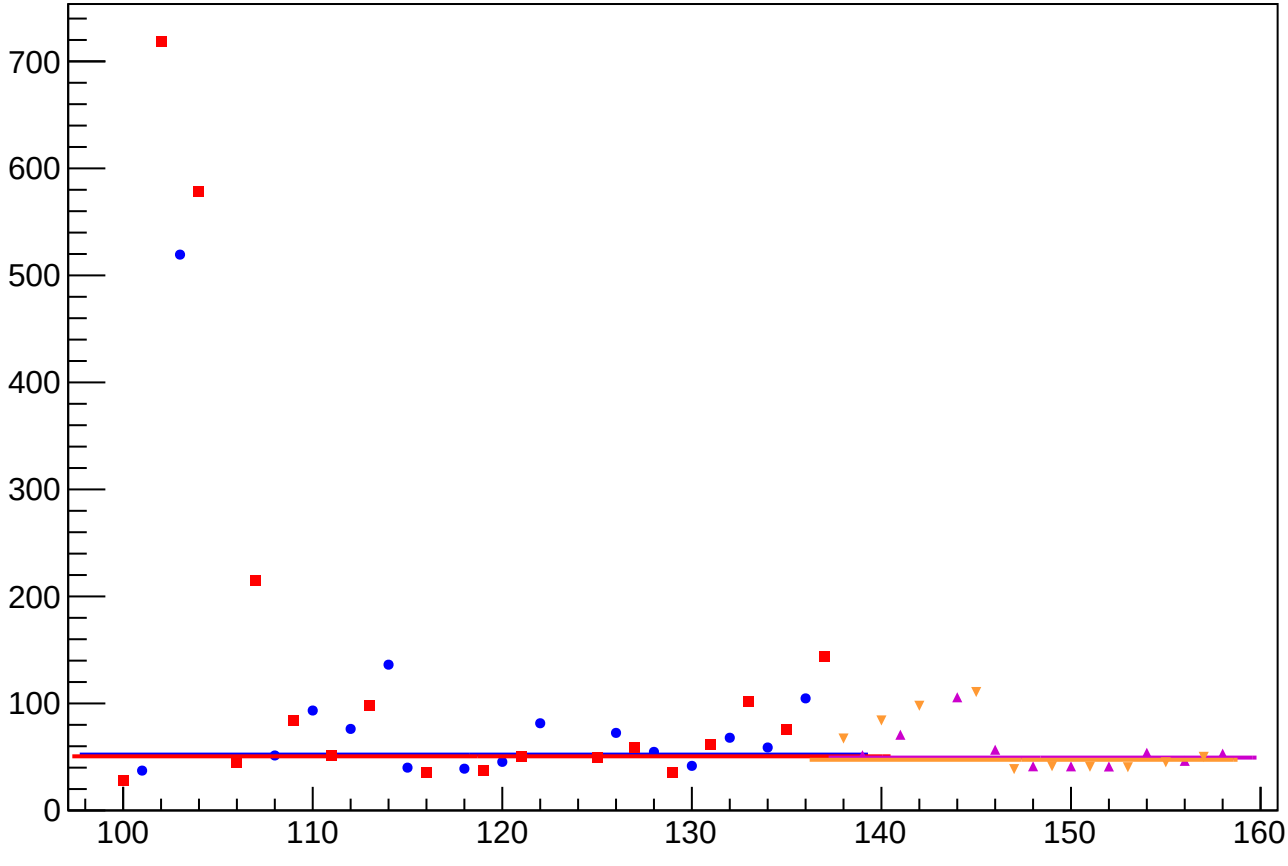
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/25

Out: -0.004+/-0.015 χ^2/NDF:27.7/27

All: -0.008+/-0.010 χ^2/NDF: 57.3/53

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323541.5/9

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.396+/-0.013 χ^2/NDF:868951.1/9

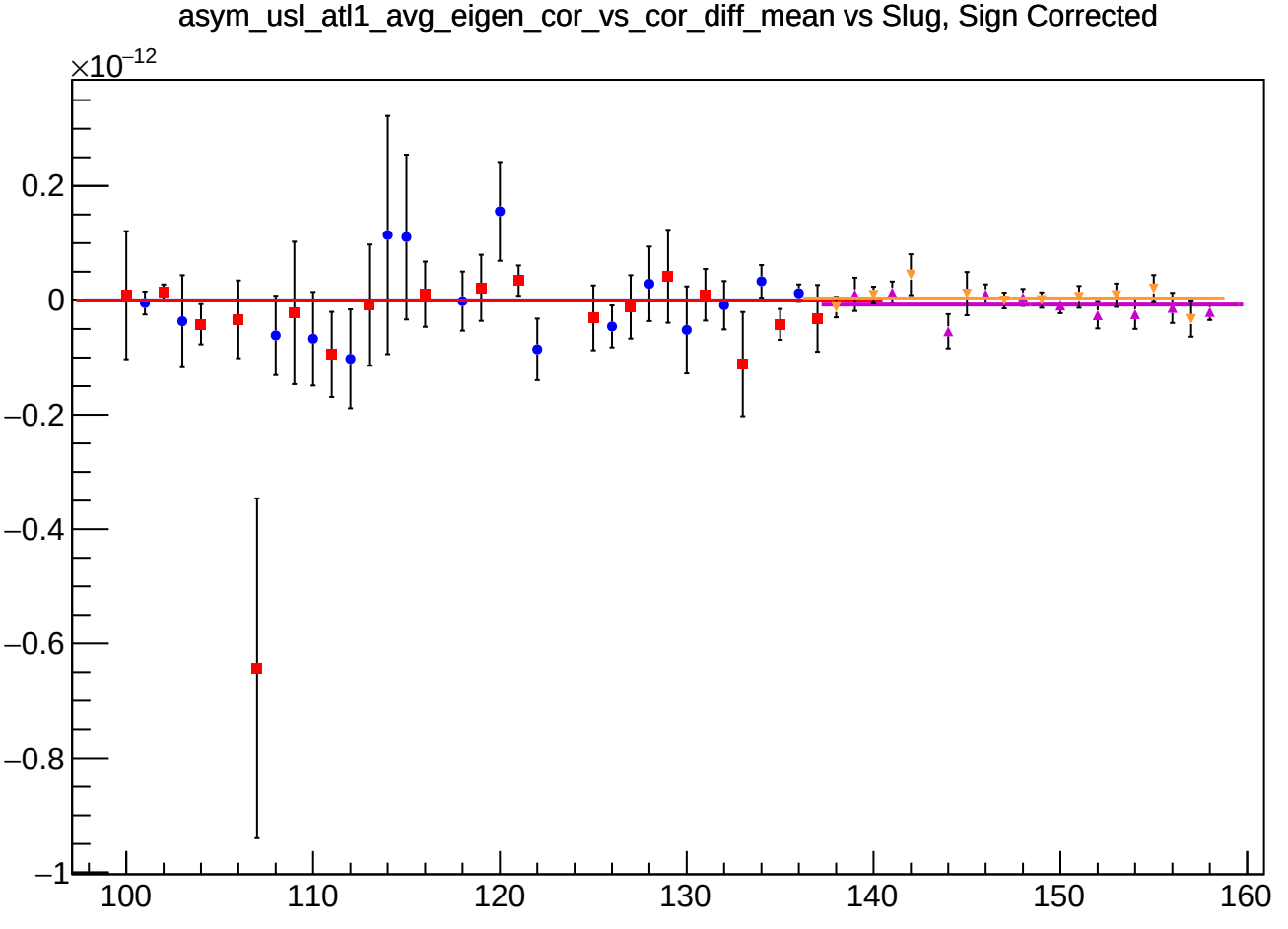
Left: 48.413+/-0.009 χ^2/NDF: 2204577.6/19

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.496+/-0.010 χ^2/NDF:3154348.8/25

Out: 48.618+/-0.010 χ^2/NDF:4397695.9/27

All: 49.595+/-0.007 χ^2/NDF: 7568812.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.8/9

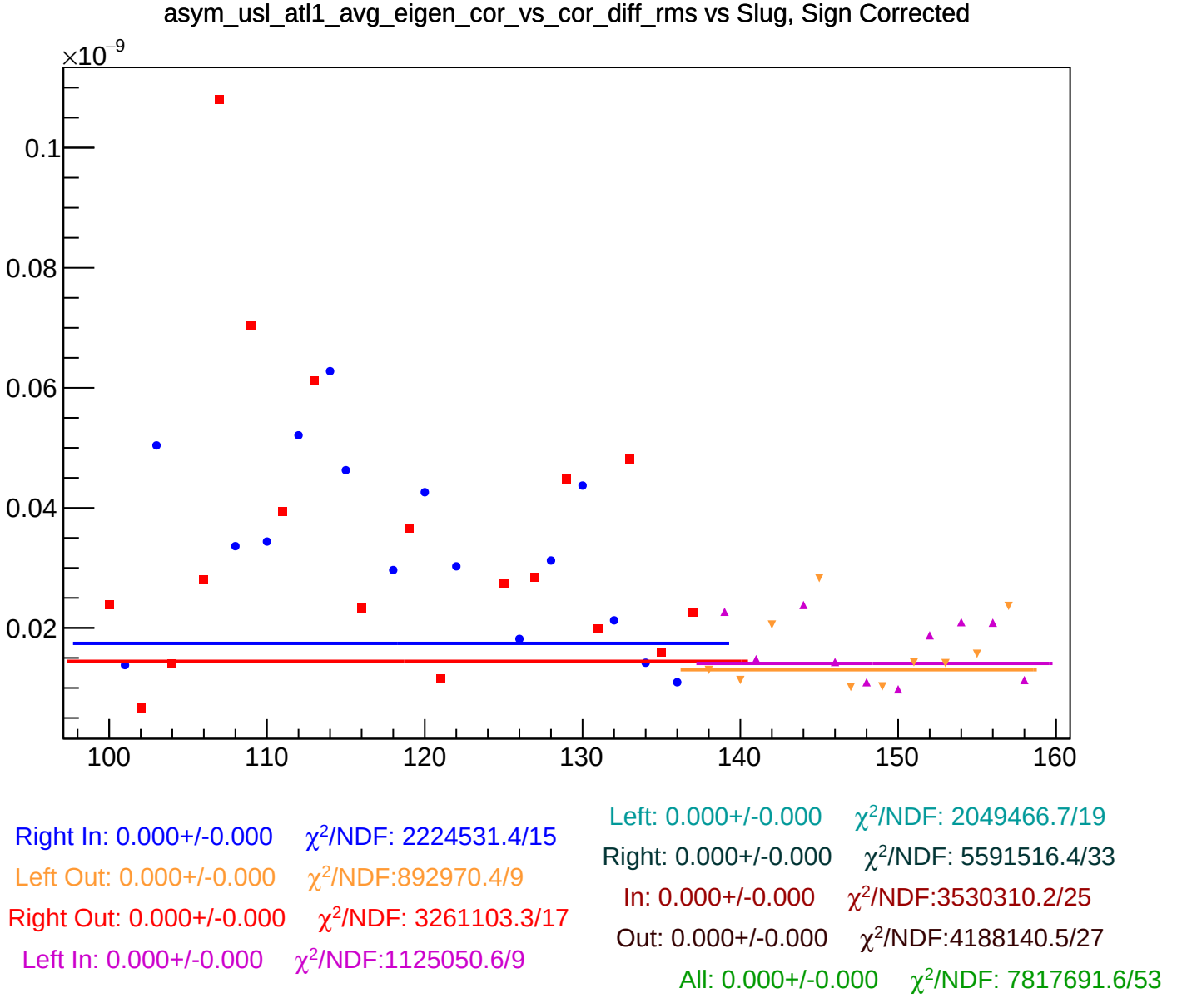
Left: -0.000+/-0.000 χ^2/NDF: 13.9/19

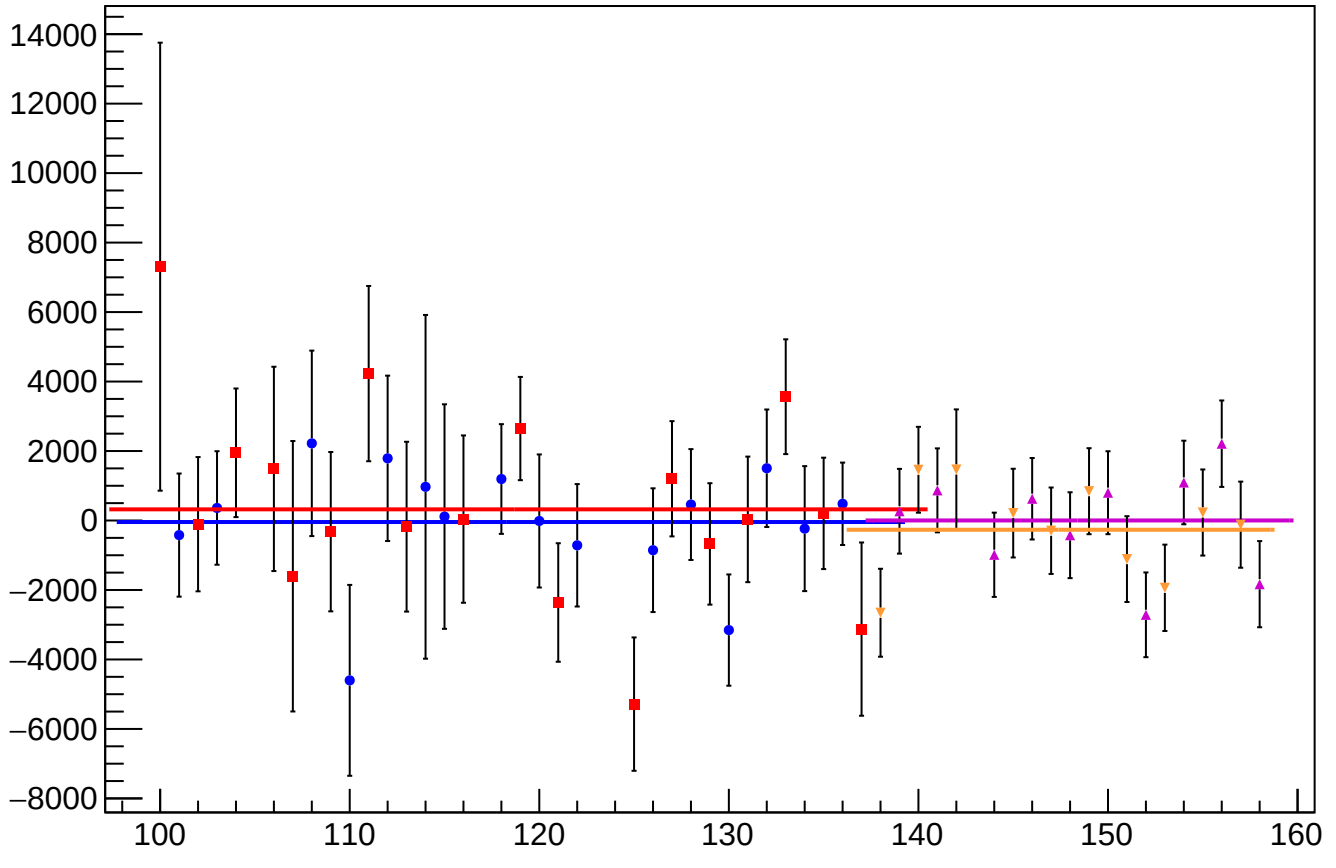
Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:22.3/25

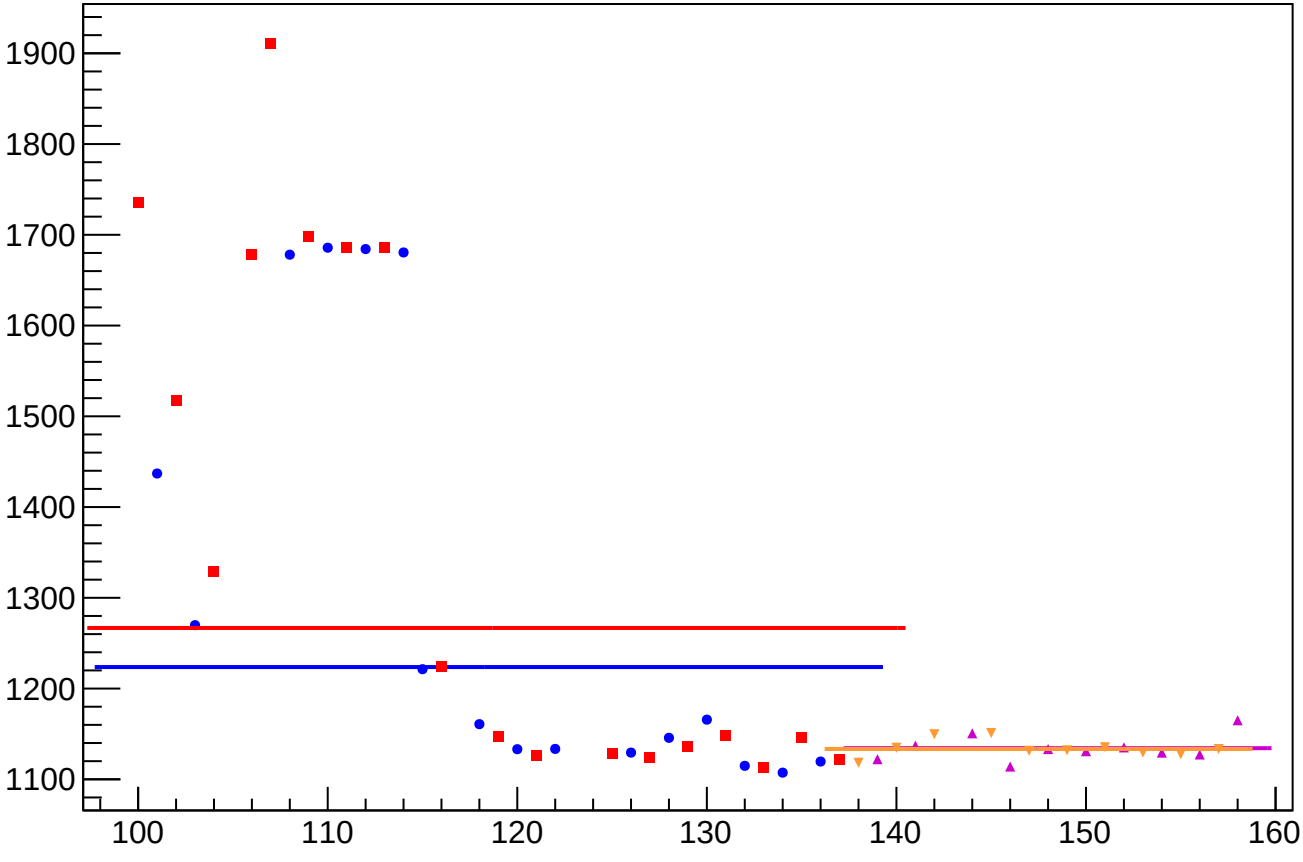
Out: 0.000+/-0.000 χ^2/NDF:20.5/27

All: -0.000+/-0.000 χ^2/NDF: 44.0/53


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:892970.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:1125050.6/9
Left: 0.000+/-0.000 χ²/NDF: 2049466.7/19
Right: 0.000+/-0.000 χ²/NDF: 5591516.4/33
In: 0.000+/-0.000 χ²/NDF:3530310.2/25
Out: 0.000+/-0.000 χ²/NDF:4188140.5/27
All: 0.000+/-0.000 χ²/NDF: 7817691.6/53


reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -43.681+/-459.222 χ²/NDF: 10.1/15
Left Out: -266.044+/-403.889 χ²/NDF:9.9/9
Right Out: 321.266+/-474.939 χ²/NDF: 24.8/17
Left In: 1.556+/-384.041 χ²/NDF:13.2/9
Left: -125.508+/-278.310 χ²/NDF: 23.3/19
Right: 132.654+/-330.136 χ²/NDF: 35.2/33
In: -17.062+/-294.600 χ²/NDF:23.3/25
Out: -19.563+/-307.678 χ²/NDF:35.6/27
All: -18.258+/-212.787 χ²/NDF: 58.9/53

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.448+/-0.286 χ^2/NDF:923.1/9

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

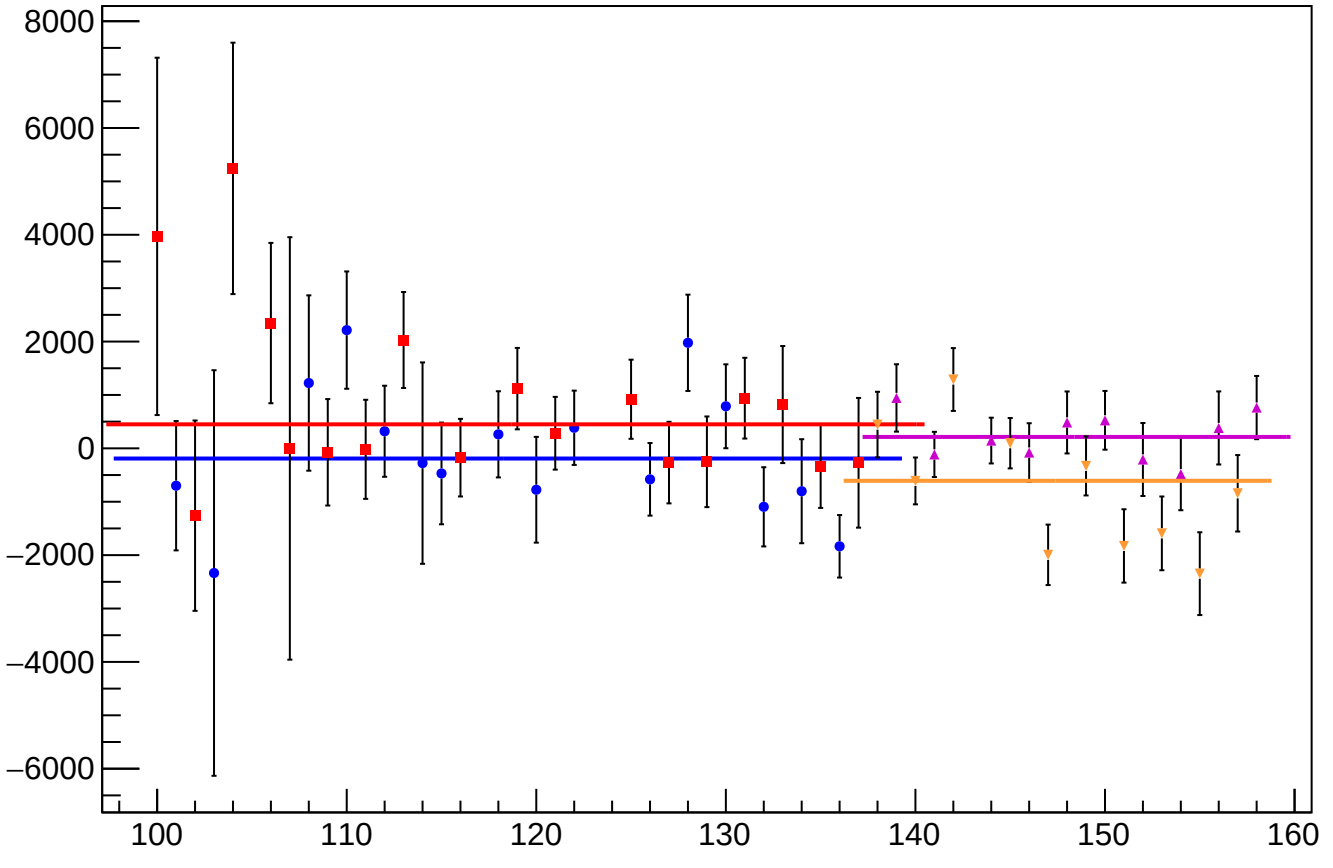
Left: 1133.899+/-0.197 χ^2/NDF: 3440.1/19

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1171.099+/-0.208 χ^2/NDF:342079.7/25

Out: 1189.404+/-0.218 χ^2/NDF:525240.9/27

All: 1179.854+/-0.150 χ^2/NDF: 871013.9/53



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -607.767+/-184.311 χ^2/NDF:32.1/9

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 213.889+/-175.569 χ^2/NDF:5.1/9

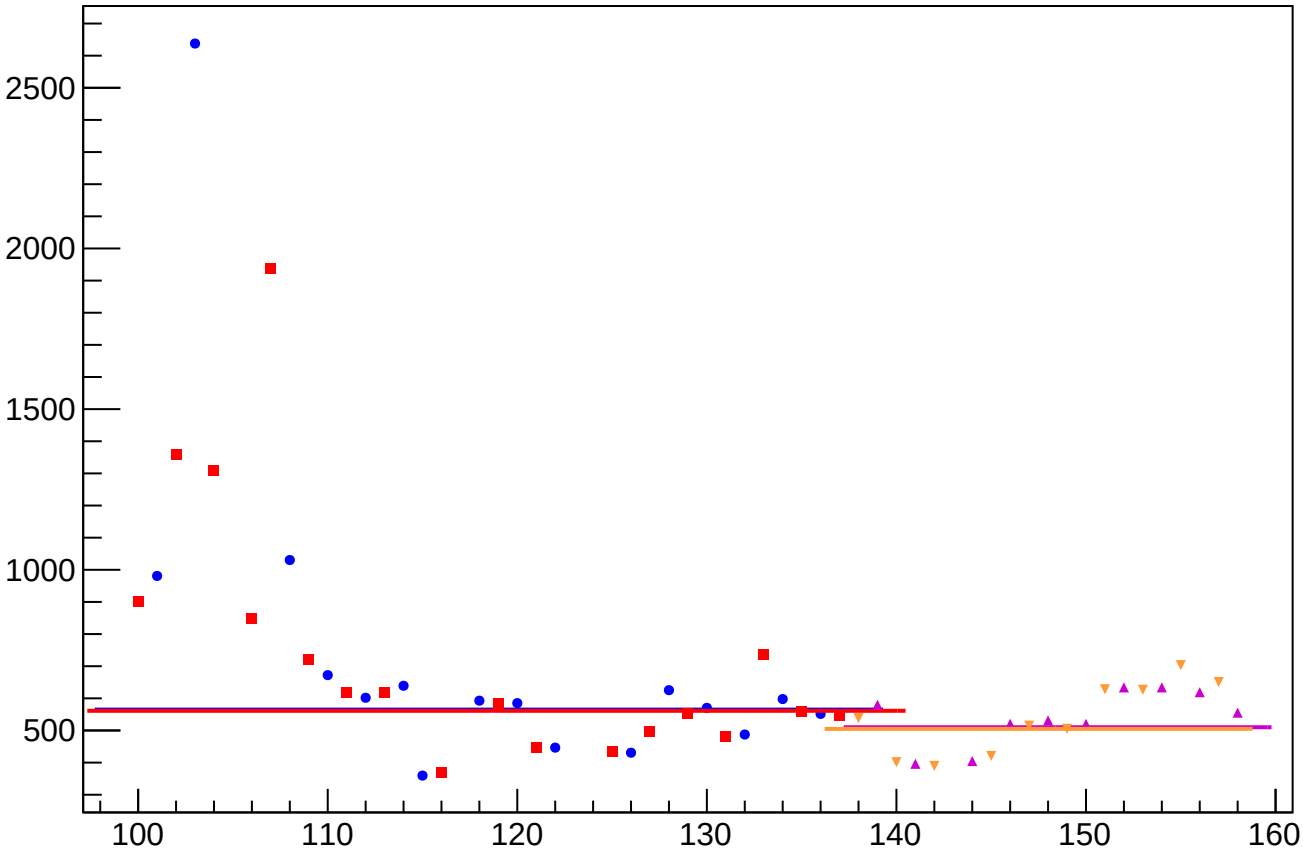
Left: -176.990+/-127.124 χ^2/NDF: 47.7/19

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 58.983+/-137.915 χ^2/NDF:32.4/25

Out: -178.984+/-142.120 χ^2/NDF:62.3/27

All: -56.428+/-98.974 χ^2/NDF: 96.2/53



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 504.965+/-0.130 χ^2/NDF:599089.3/9

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 510.066+/-0.124 χ^2/NDF:489172.4/9

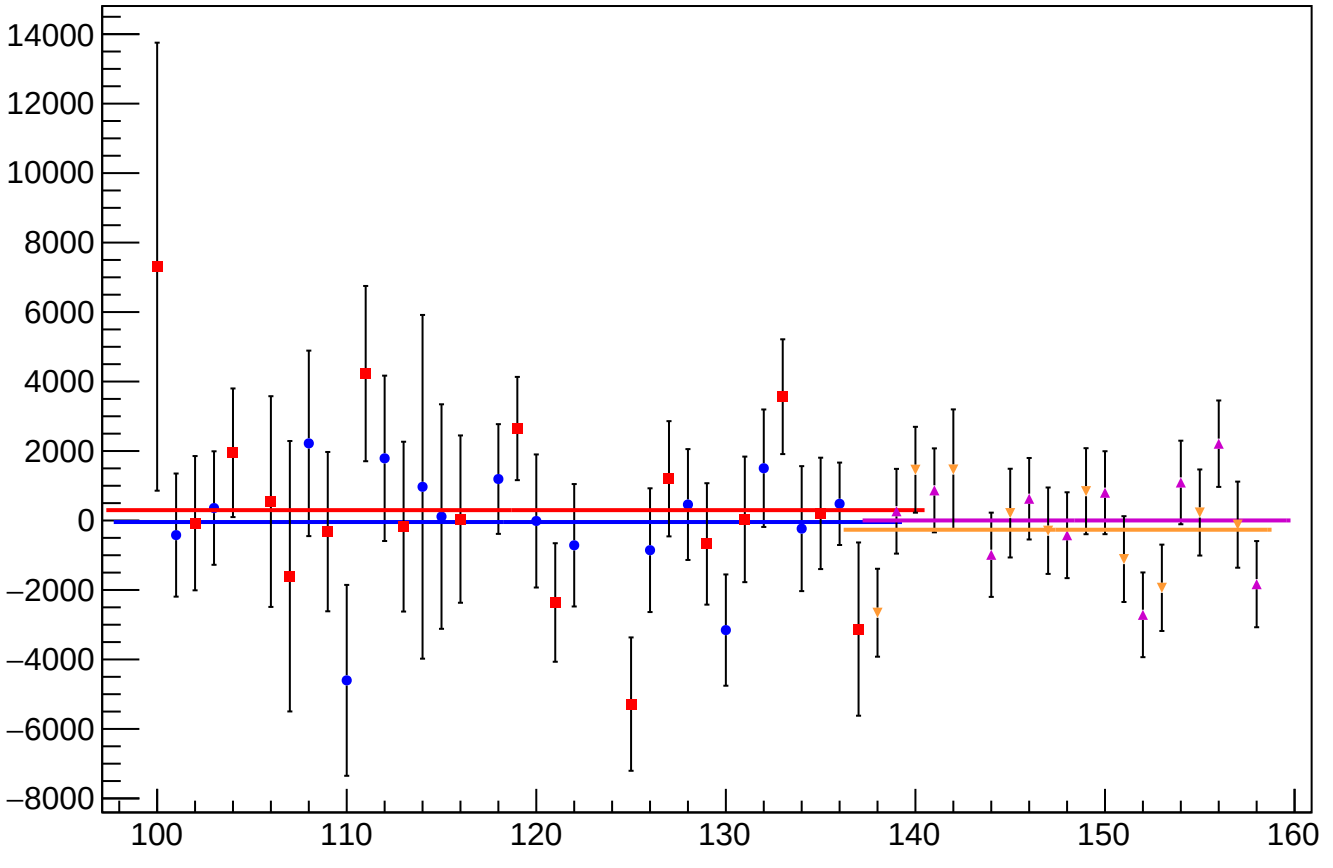
Left: 507.640+/-0.090 χ^2/NDF: 1089064.9/19

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 531.087+/-0.098 χ^2/NDF:1848517.2/25

Out: 527.782+/-0.100 χ^2/NDF:2026928.0/27

All: 529.484+/-0.070 χ^2/NDF: 3876002.2/53



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -265.943+/-403.889 χ^2/NDF:9.9/9

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 1.517+/-384.041 χ^2/NDF:13.2/9

Left: -125.480+/-278.310 χ^2/NDF: 23.3/19

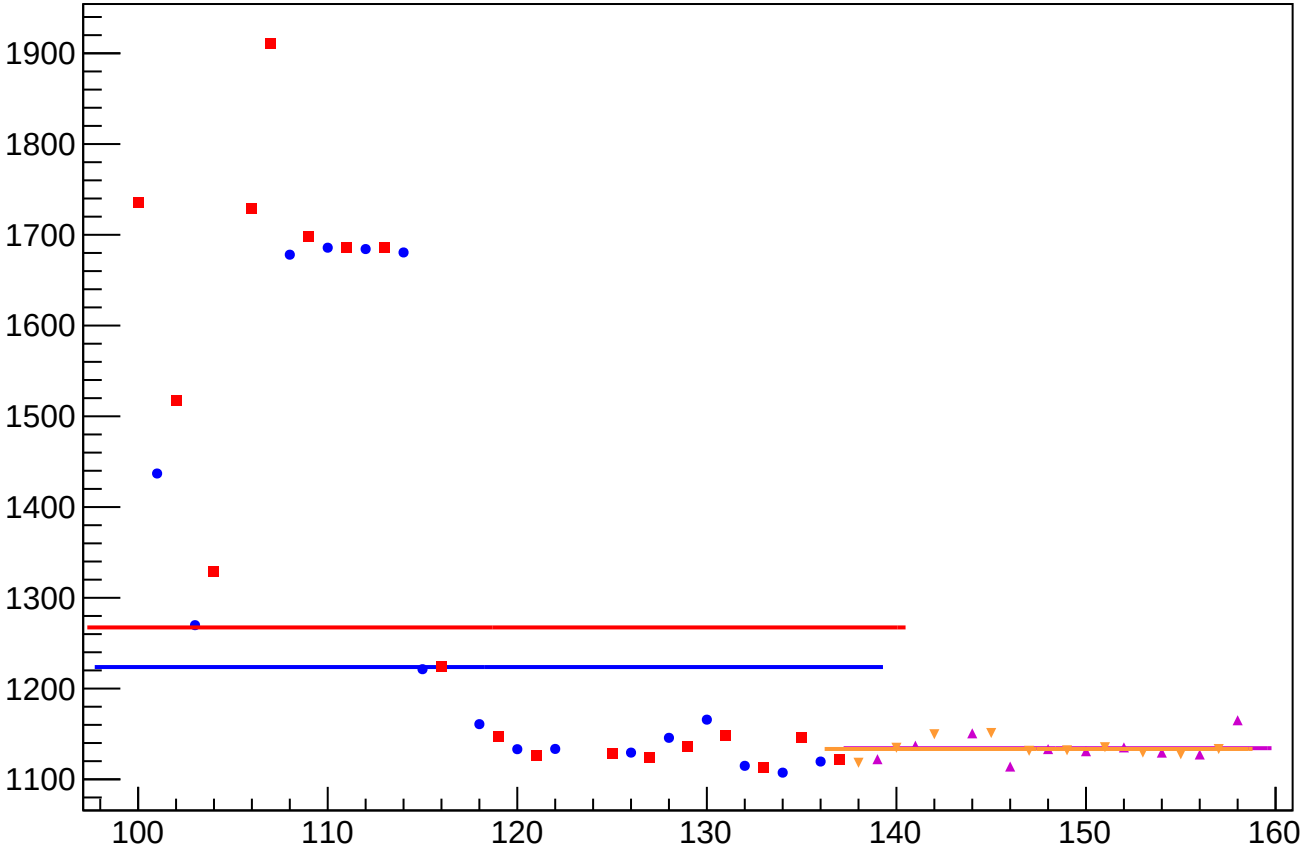
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -17.184+/-294.600 χ^2/NDF:23.3/25

Out: -29.399+/-307.780 χ^2/NDF:35.4/27

All: -23.024+/-212.821 χ^2/NDF: 58.7/53

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.448+/-0.286 χ^2/NDF:923.1/9

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

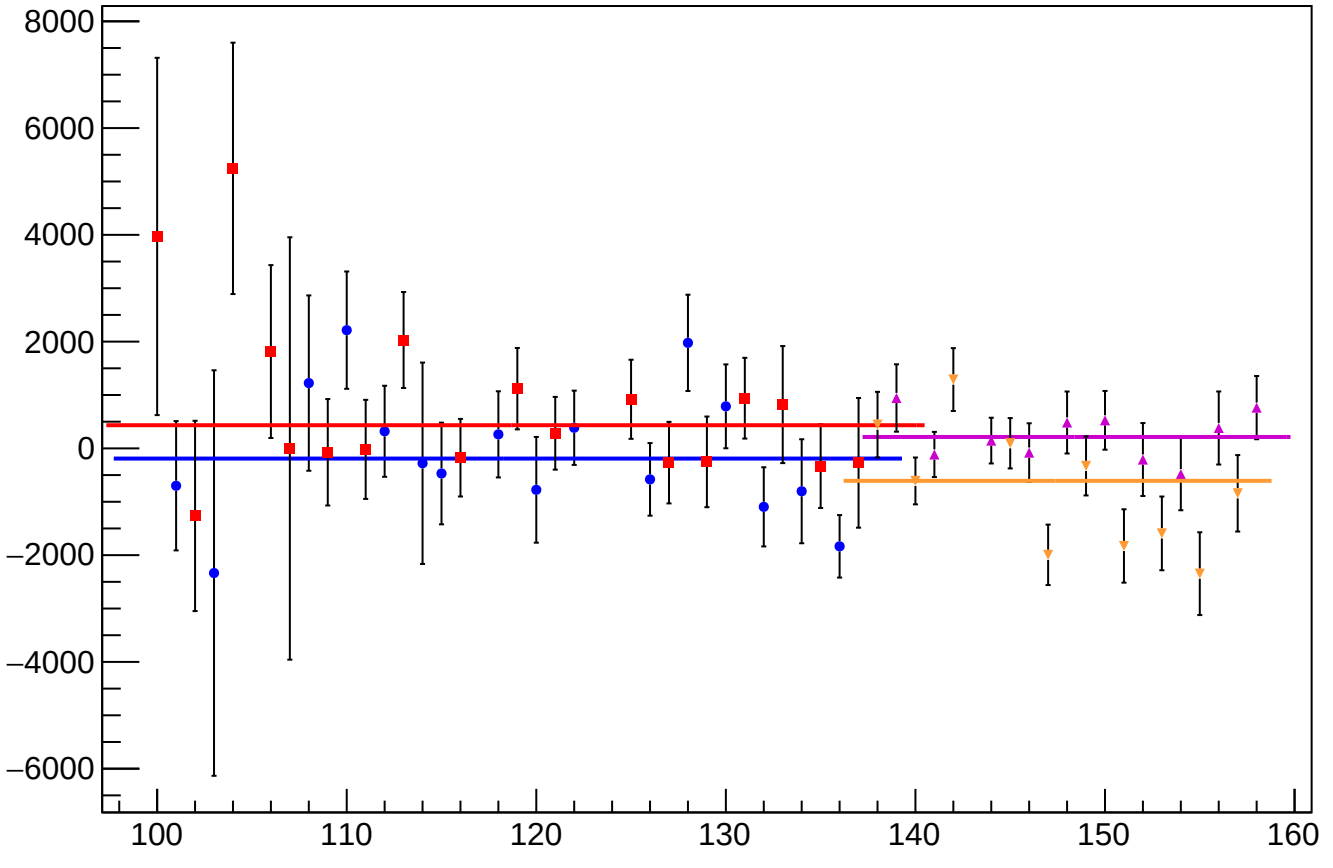
Left: 1133.899+/-0.197 χ^2/NDF: 3440.1/19

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1171.099+/-0.208 χ^2/NDF:342079.8/25

Out: 1189.598+/-0.218 χ^2/NDF:533095.5/27

All: 1179.944+/-0.150 χ^2/NDF: 878945.7/53



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -607.753+/-184.310 χ^2/NDF:32.1/9

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 213.865+/-175.569 χ^2/NDF:5.2/9

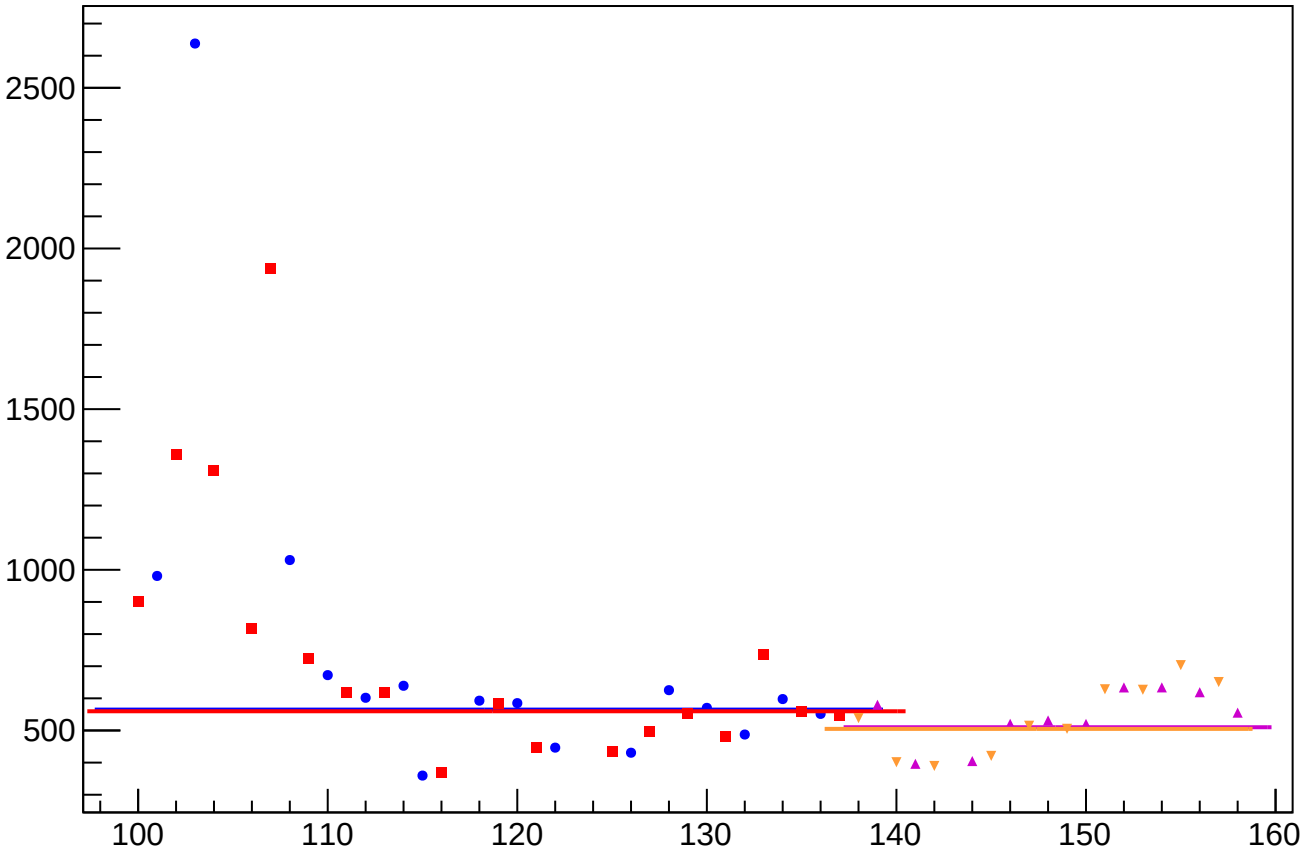
Left: -176.999+/-127.124 χ^2/NDF: 47.7/19

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 58.962+/-137.915 χ^2/NDF:32.4/25

Out: -186.226+/-142.208 χ^2/NDF:61.0/27

All: -59.875+/-99.004 χ^2/NDF: 95.0/53



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 504.963+/-0.130 χ^2/NDF:599065.9/9

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 510.068+/-0.124 χ^2/NDF:489142.5/9

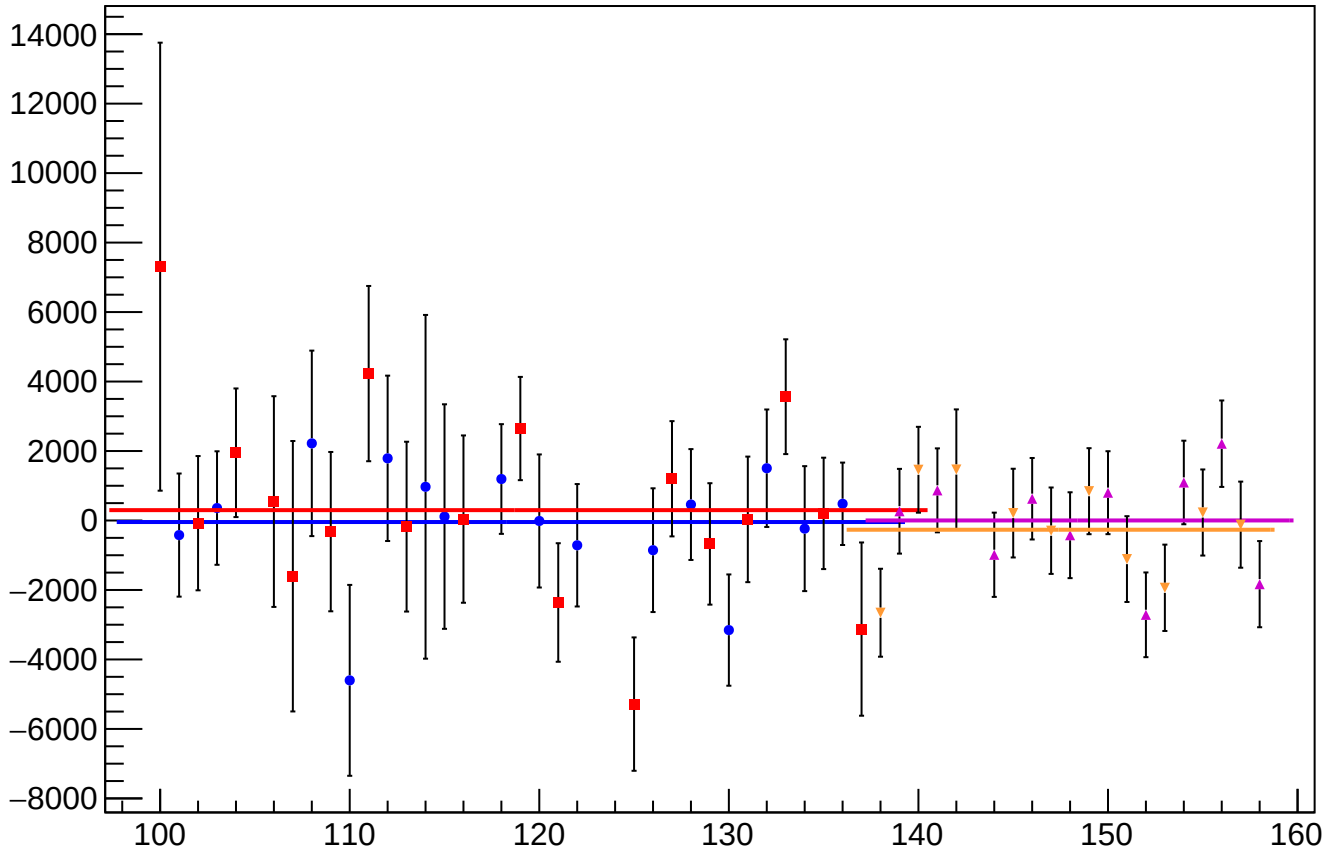
Left: 507.639+/-0.090 χ^2/NDF: 1089012.8/19

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 531.086+/-0.098 χ^2/NDF:1848448.1/25

Out: 527.137+/-0.101 χ^2/NDF:1999958.1/27

All: 529.172+/-0.070 χ^2/NDF: 3849200.9/53



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -265.943+/-403.889 χ^2/NDF:9.9/9

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 1.517+/-384.041 χ^2/NDF:13.2/9

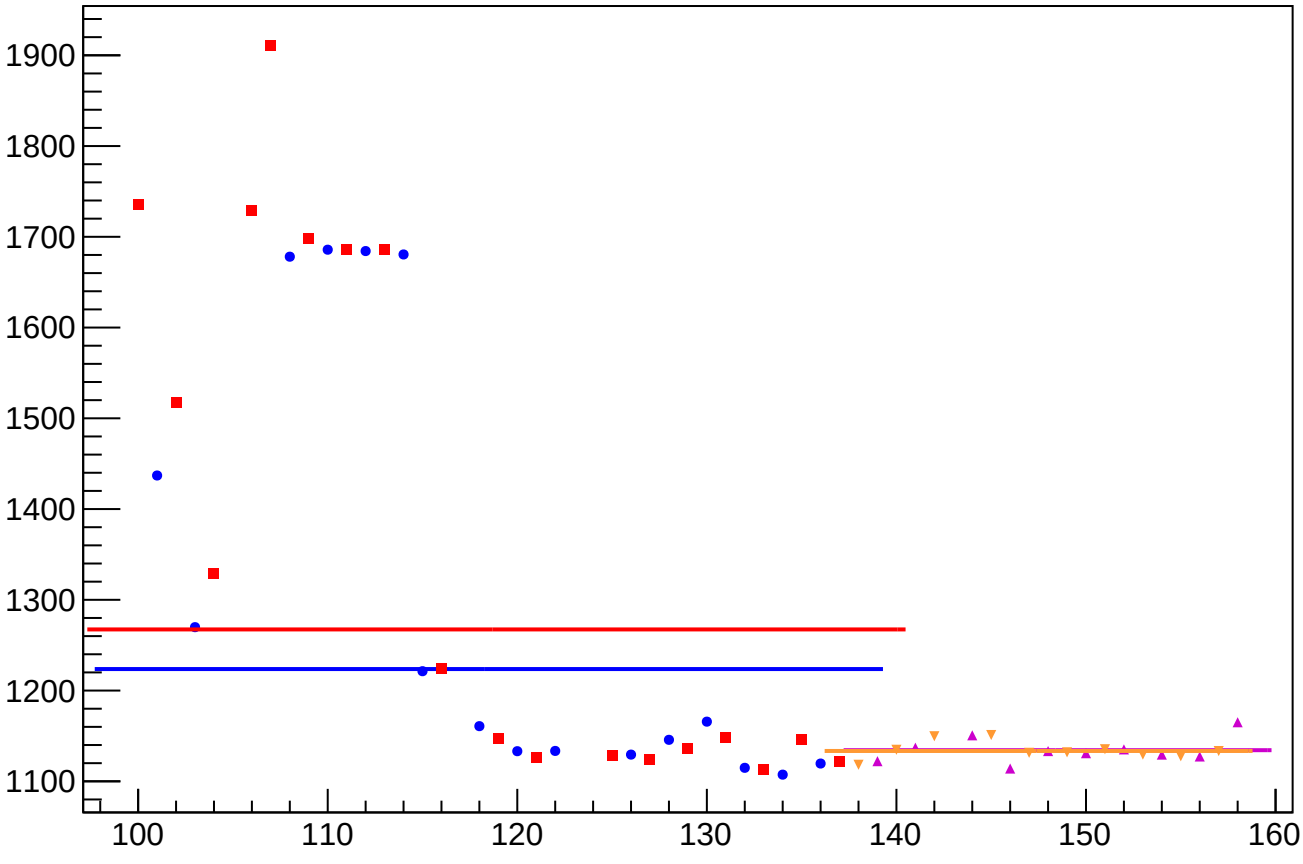
Left: -125.480+/-278.310 χ^2/NDF: 23.3/19

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -17.184+/-294.600 χ^2/NDF:23.3/25

Out: -29.399+/-307.780 χ^2/NDF:35.4/27

All: -23.024+/-212.821 χ^2/NDF: 58.7/53



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.448+/-0.286 χ^2/NDF:923.1/9

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

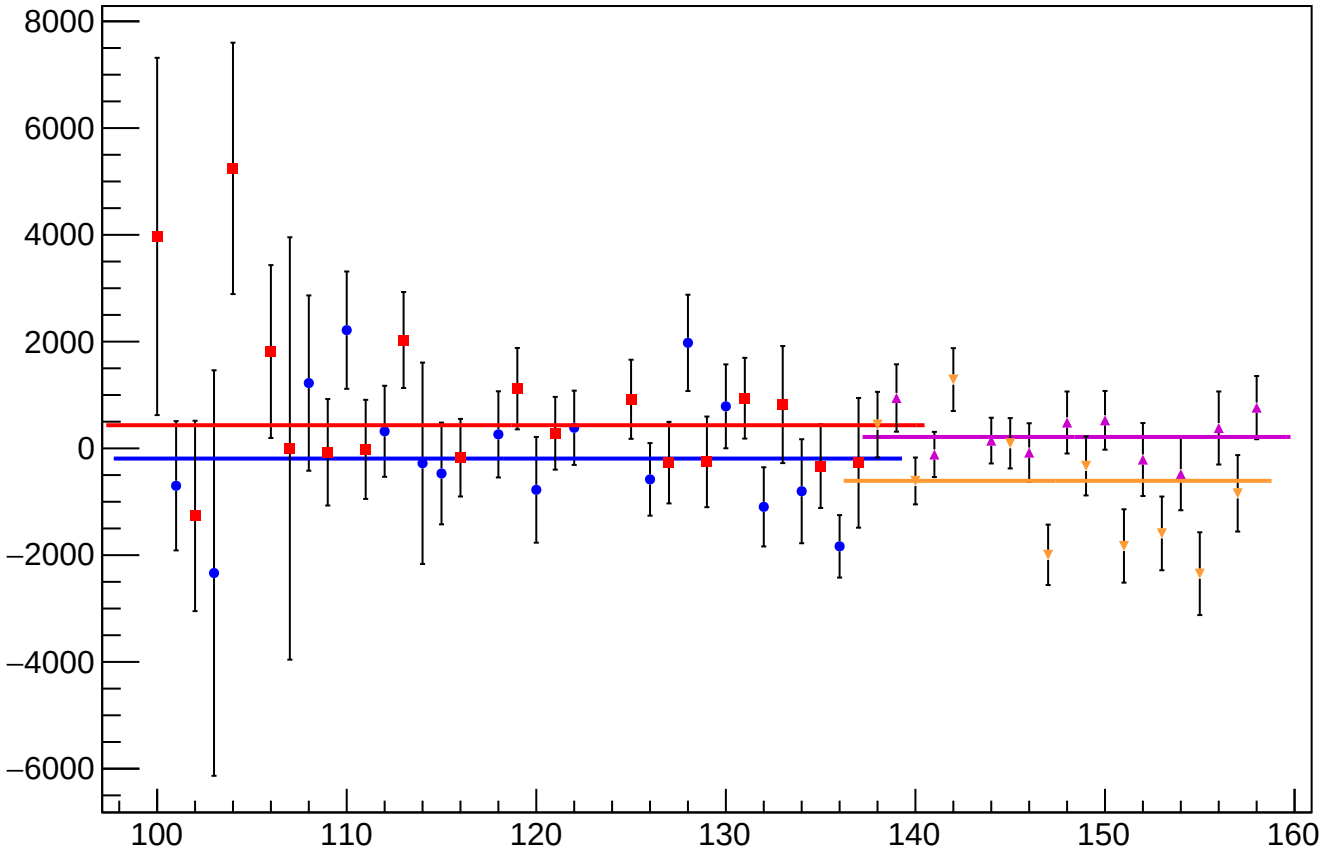
Left: 1133.899+/-0.197 χ^2/NDF: 3440.1/19

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1171.099+/-0.208 χ^2/NDF:342079.8/25

Out: 1189.598+/-0.218 χ^2/NDF:533095.5/27

All: 1179.944+/-0.150 χ^2/NDF: 878945.7/53



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -607.753+/-184.310 χ^2/NDF:32.1/9

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 213.865+/-175.569 χ^2/NDF:5.2/9

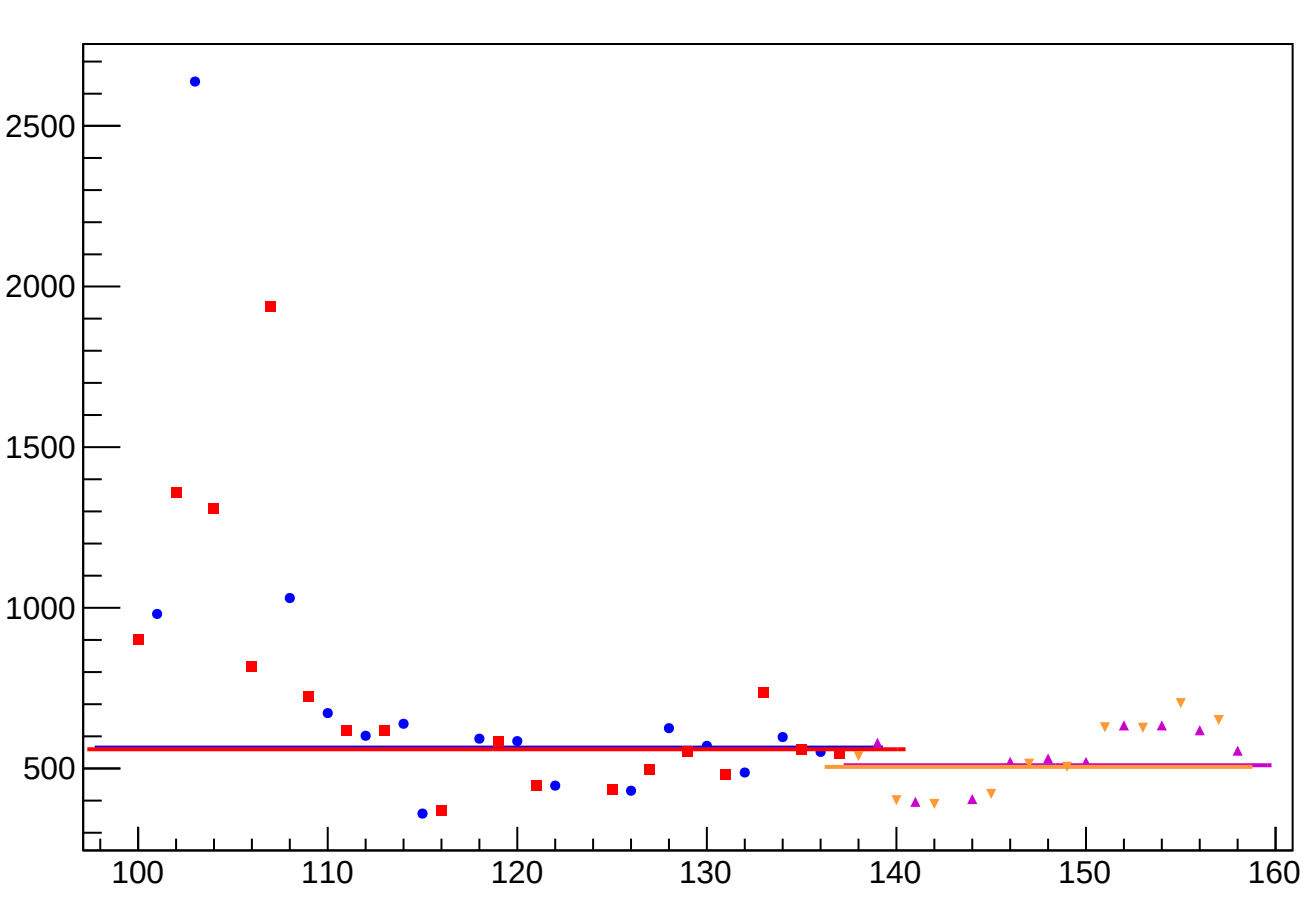
Left: -176.999+/-127.124 χ^2/NDF: 47.7/19

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 58.962+/-137.915 χ^2/NDF:32.4/25

Out: -186.226+/-142.208 χ^2/NDF:61.0/27

All: -59.875+/-99.004 χ^2/NDF: 95.0/53



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 504.963+/-0.130 χ^2/NDF:599065.9/9

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 510.068+/-0.124 χ^2/NDF:489142.5/9

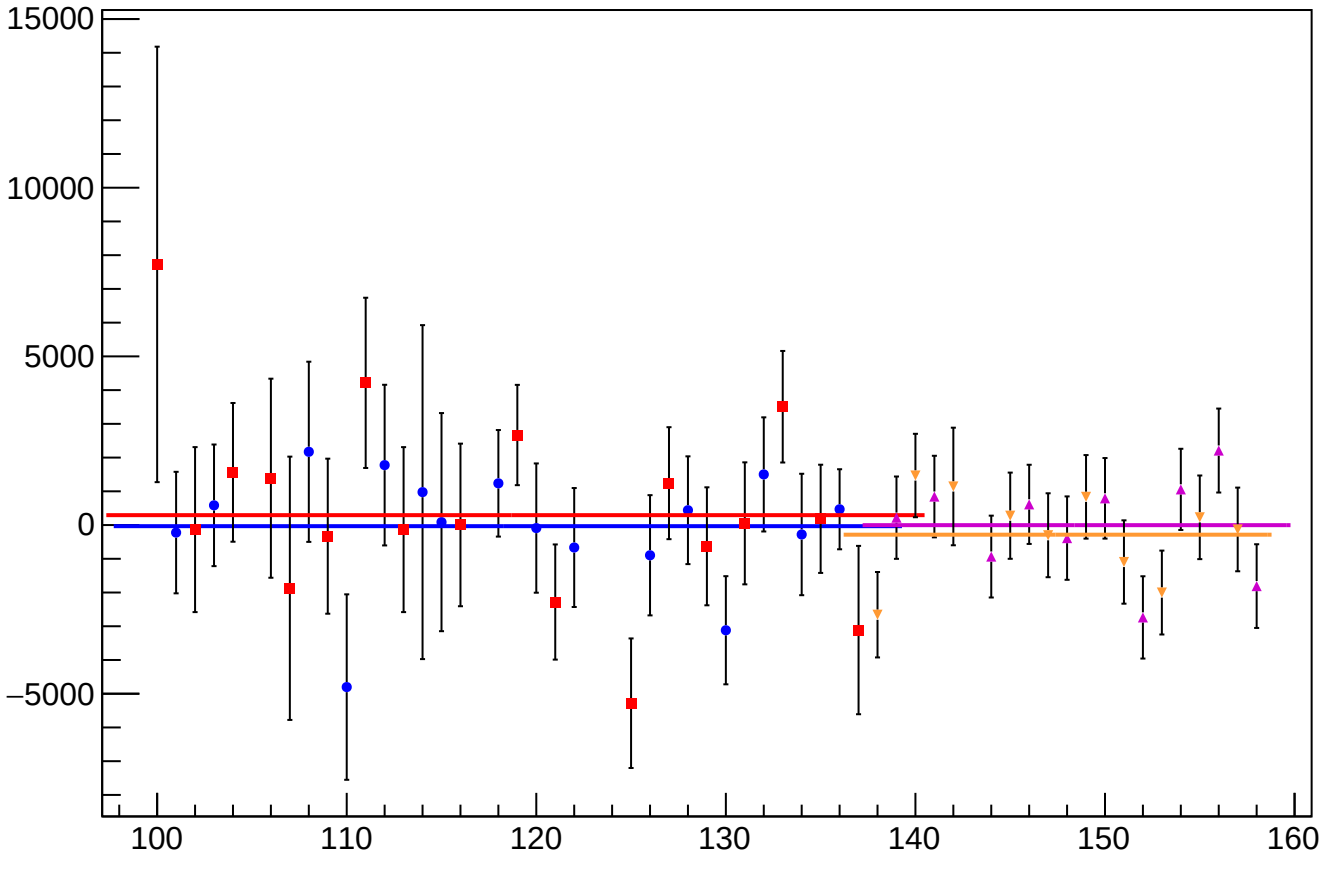
Left: 507.639+/-0.090 χ^2/NDF: 1089012.8/19

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 531.086+/-0.098 χ^2/NDF:1848448.1/25

Out: 527.137+/-0.101 χ^2/NDF:1999958.1/27

All: 529.172+/-0.070 χ^2/NDF: 3849200.9/53



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -285.687+/-404.203 χ^2/NDF:9.7/9

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -3.144+/-384.185 χ^2/NDF:13.0/9

Left: -137.246+/-278.468 χ^2/NDF: 23.0/19

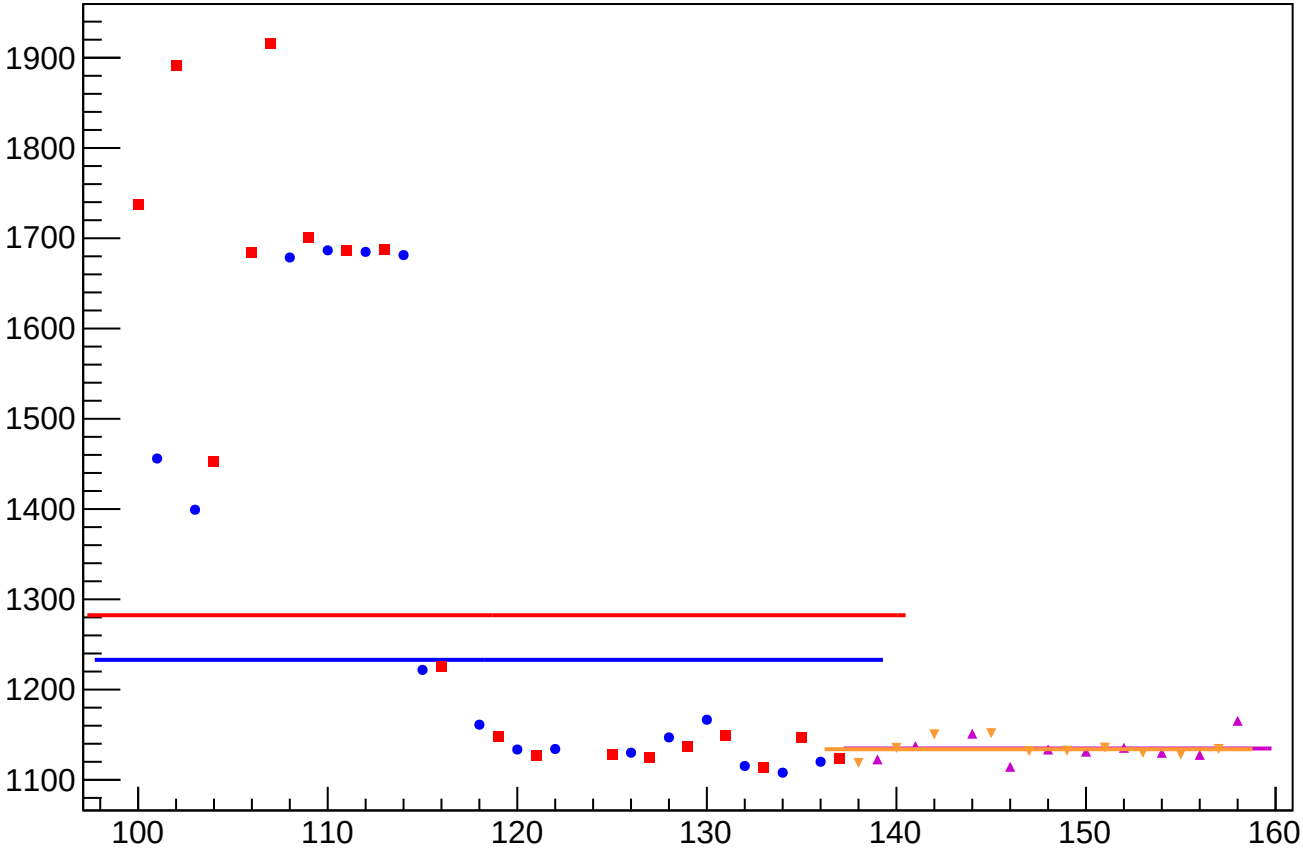
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -15.337+/-295.713 χ^2/NDF:23.3/25

Out: -47.665+/-310.200 χ^2/NDF:34.8/27

All: -30.728+/-214.039 χ^2/NDF: 58.1/53

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1133.933+/-0.286 χ^2/NDF:933.7/9

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1134.732+/-0.272 χ^2/NDF:2510.1/9

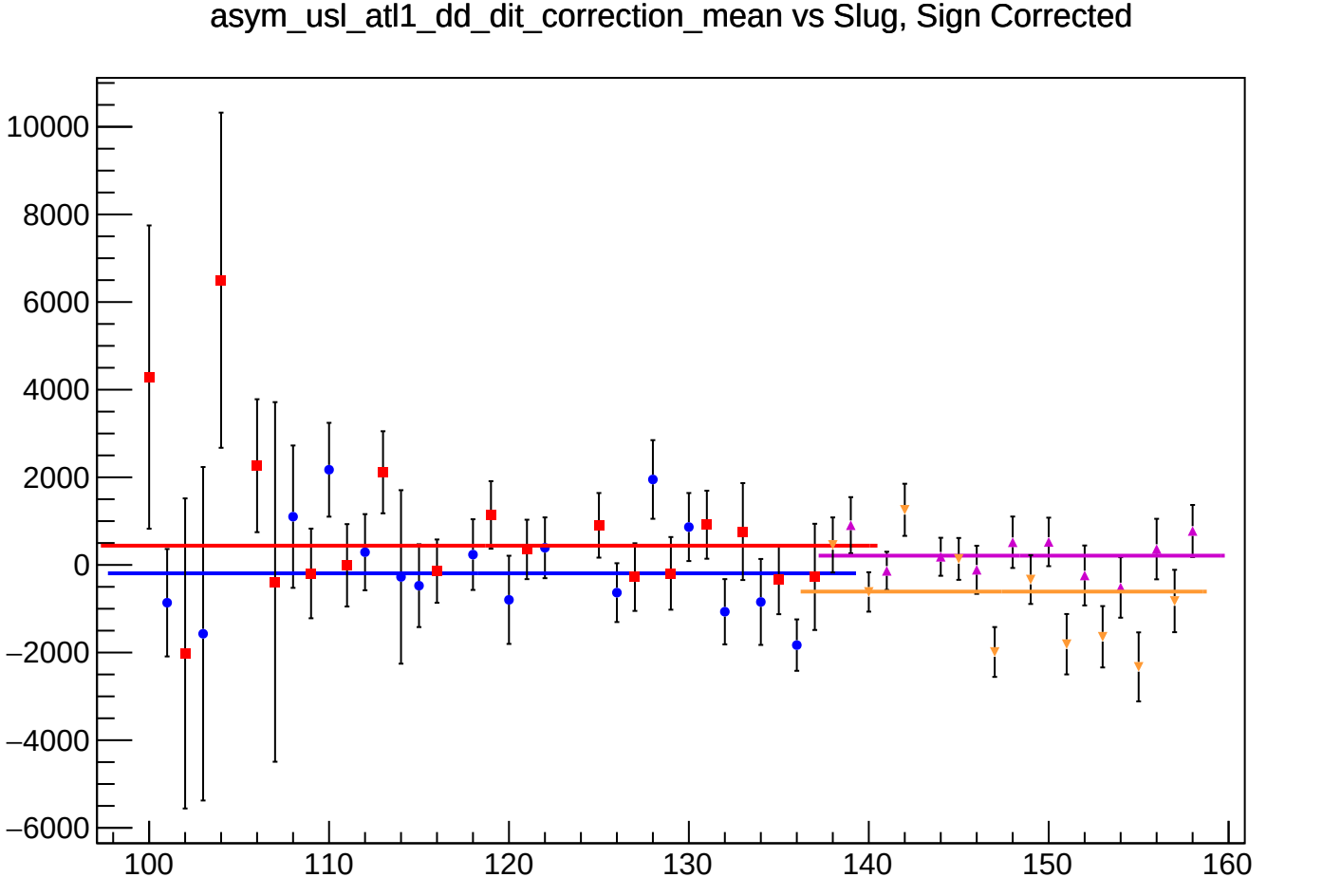
Left: 1134.353+/-0.197 χ^2/NDF: 3447.8/19

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1174.766+/-0.209 χ^2/NDF:371268.8/25

Out: 1194.962+/-0.219 χ^2/NDF:655259.3/27

All: 1184.381+/-0.151 χ^2/NDF: 1030969.3/53



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -608.342+/-186.534 χ^2/NDF:31.3/9

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 211.476+/-177.722 χ^2/NDF:5.2/9

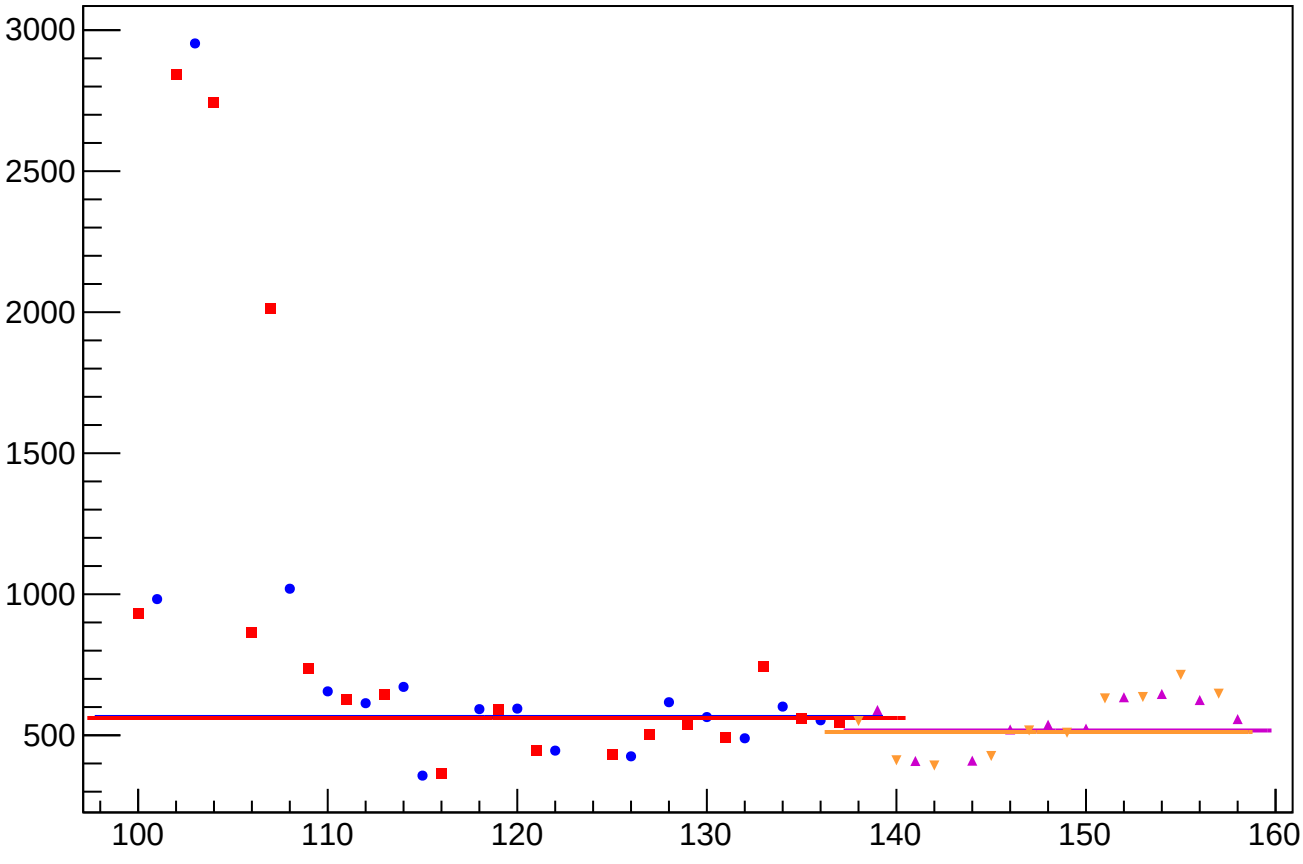
Left: -178.611+/-128.671 χ^2/NDF: 46.7/19

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 54.733+/-138.926 χ^2/NDF:32.5/25

Out: -185.051+/-144.016 χ^2/NDF:58.7/27

All: -60.847+/-99.986 χ^2/NDF: 92.7/53



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 511.592+/-0.132 χ^2/NDF:578508.4/9

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 516.952+/-0.126 χ^2/NDF:460868.4/9

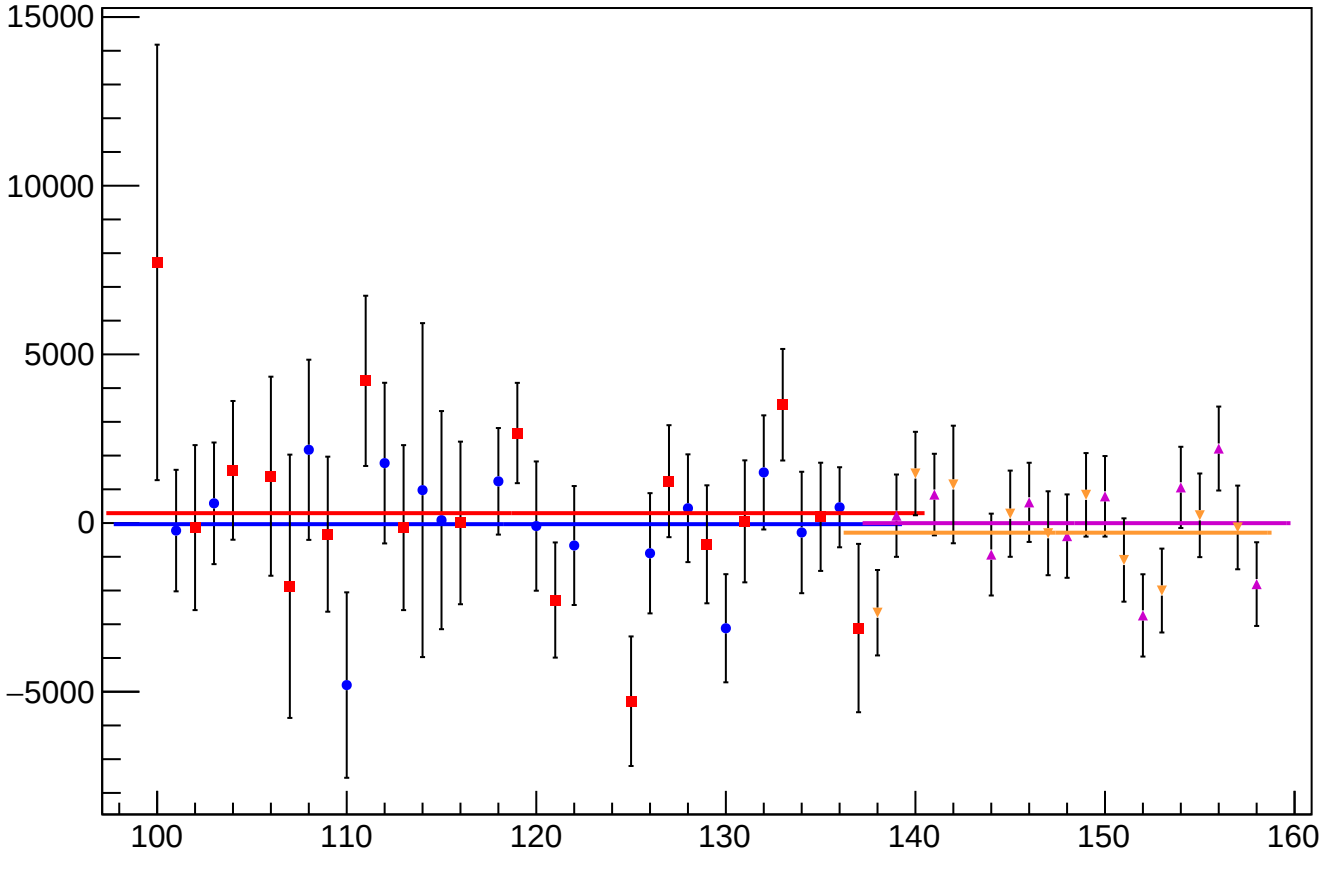
Left: 514.402+/-0.091 χ^2/NDF: 1040242.4/19

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 535.589+/-0.098 χ^2/NDF:1997794.8/25

Out: 531.659+/-0.102 χ^2/NDF:2909185.6/27

All: 533.695+/-0.071 χ^2/NDF: 4907751.9/53



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -285.691+/-404.203 χ^2/NDF:9.7/9

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -3.143+/-384.185 χ^2/NDF:13.0/9

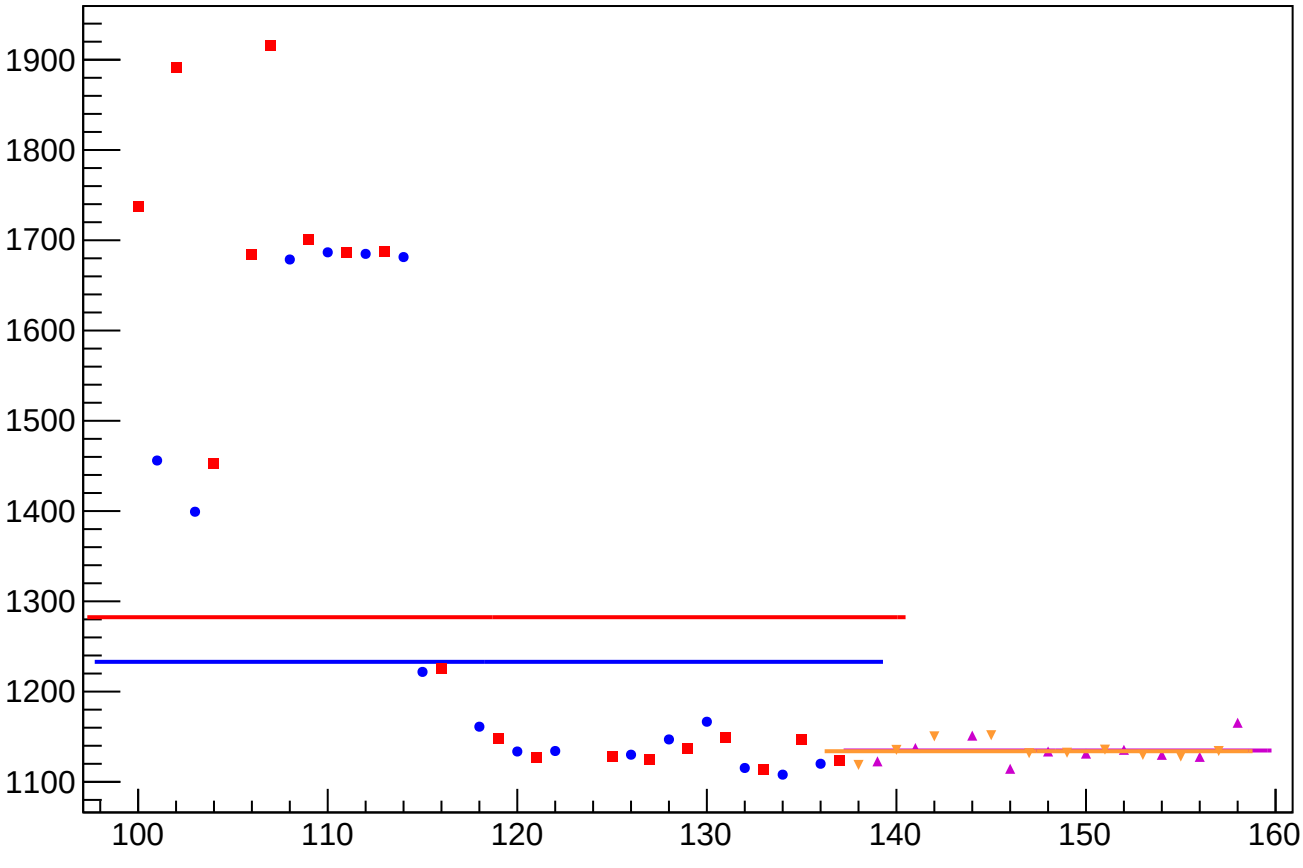
Left: -137.247+/-278.468 χ^2/NDF: 23.0/19

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -15.336+/-295.713 χ^2/NDF:23.3/25

Out: -47.667+/-310.200 χ^2/NDF:34.8/27

All: -30.729+/-214.039 χ^2/NDF: 58.1/53



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1133.933+/-0.286 χ^2/NDF:933.7/9

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1134.732+/-0.272 χ^2/NDF:2510.1/9

Left: 1134.353+/-0.197 χ^2/NDF: 3447.8/19

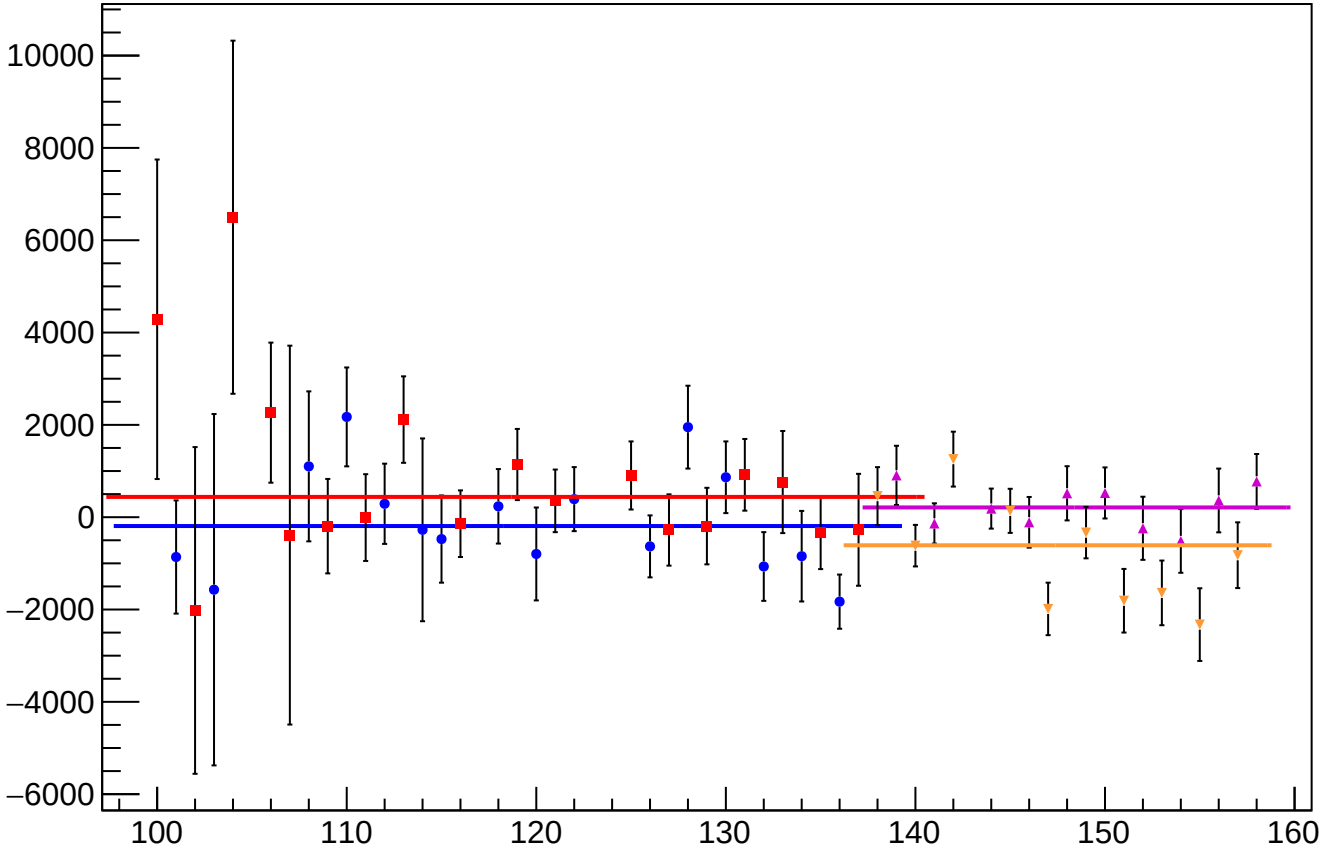
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1174.766+/-0.209 χ^2/NDF:371268.4/25

Out: 1194.962+/-0.219 χ^2/NDF:655258.6/27

All: 1184.381+/-0.151 χ^2/NDF: 1030968.2/53

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -608.340+/-186.534 χ^2/NDF:31.3/9

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 211.476+/-177.722 χ^2/NDF:5.2/9

Left: -178.610+/-128.671 χ^2/NDF: 46.7/19

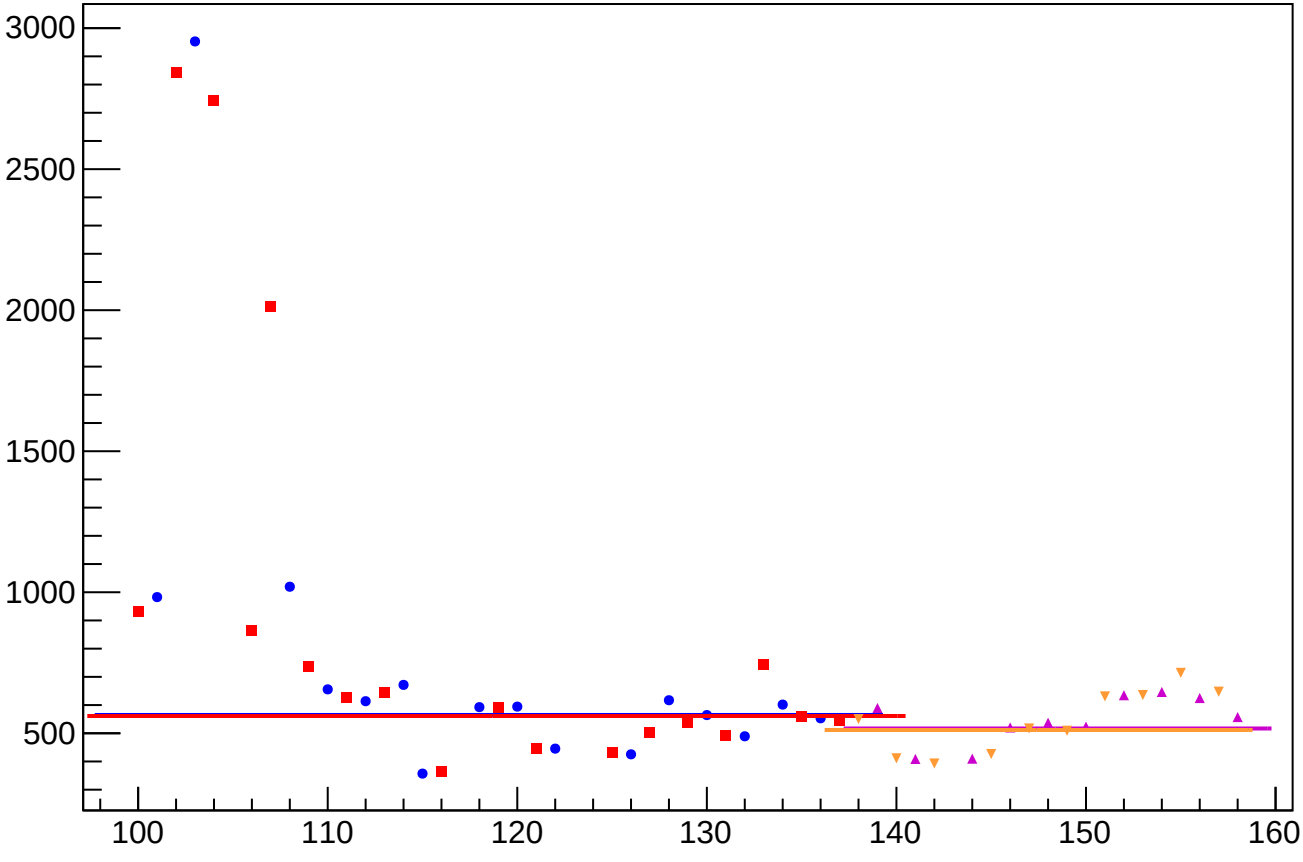
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 54.733+/-138.926 χ^2/NDF:32.5/25

Out: -185.050+/-144.015 χ^2/NDF:58.7/27

All: -60.847+/-99.986 χ^2/NDF: 92.7/53

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: 511.591+/-0.132 χ^2/NDF:578527.6/9

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 516.951+/-0.126 χ^2/NDF:460880.9/9

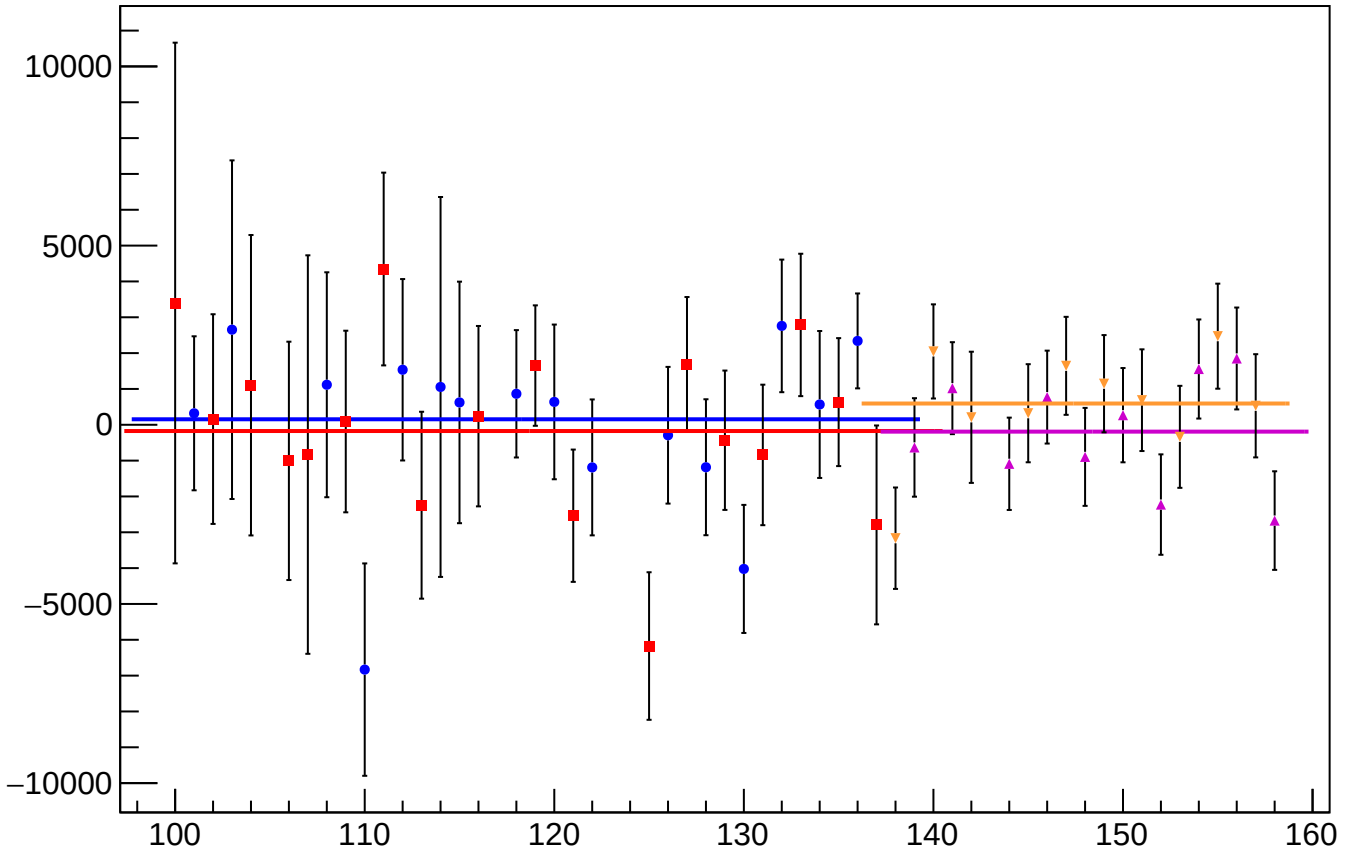
Left: 514.401+/-0.091 χ^2/NDF: 1040274.2/19

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 535.589+/-0.098 χ^2/NDF:1997805.9/25

Out: 531.659+/-0.102 χ^2/NDF:2909206.9/27

All: 533.695+/-0.071 χ^2/NDF: 4907784.3/53



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 593.245+/-450.497 χ^2/NDF:11.2/9

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -191.258+/-426.276 χ^2/NDF:11.4/9

Left: 179.339+/-309.631 χ^2/NDF: 24.2/19

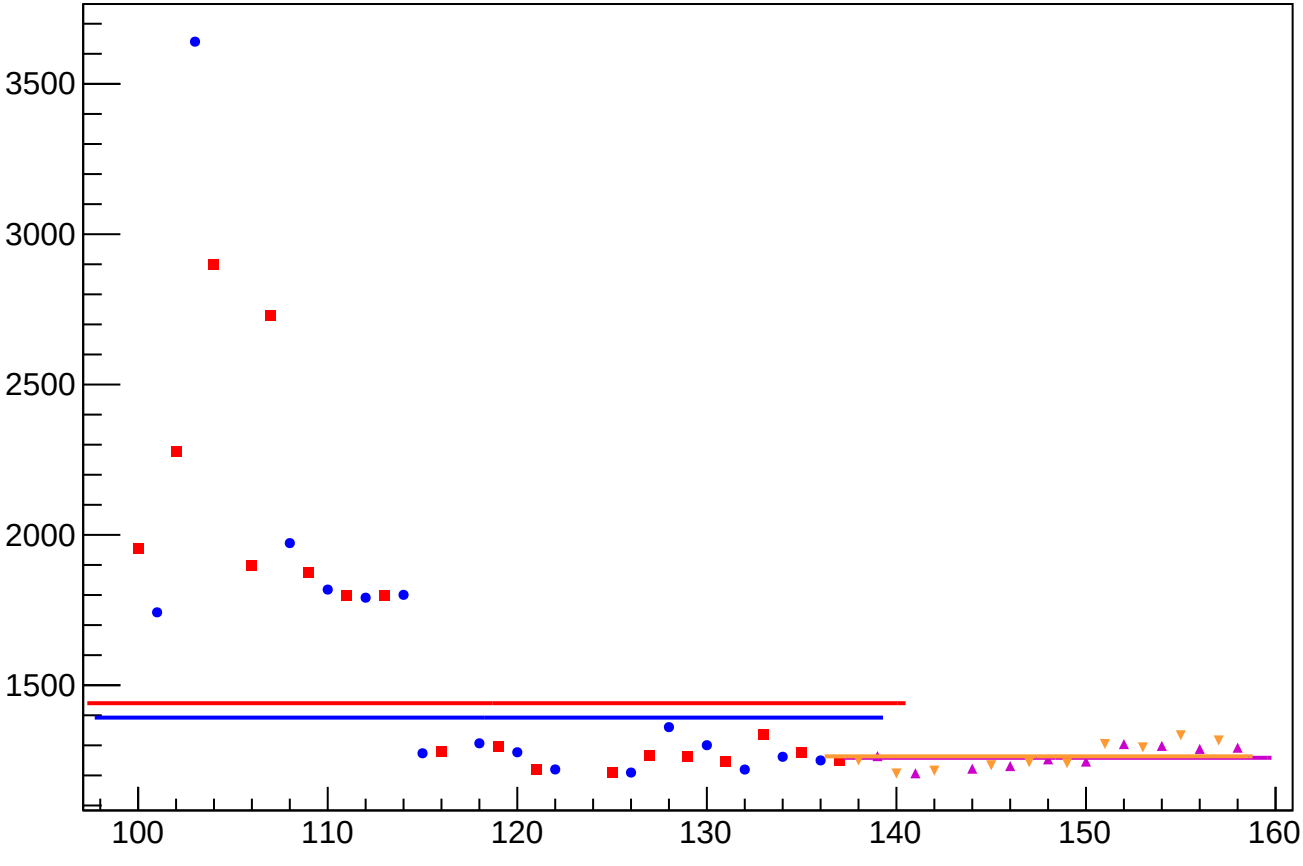
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -56.536+/-332.683 χ^2/NDF:29.5/25

Out: 285.155+/-348.550 χ^2/NDF:32.0/27

All: 106.356+/-240.656 χ^2/NDF: 62.0/53

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1263.428+/-0.319 χ^2/NDF:17045.0/9

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1258.641+/-0.301 χ^2/NDF:11758.2/9

Left: 1260.903+/-0.219 χ^2/NDF: 28922.4/19

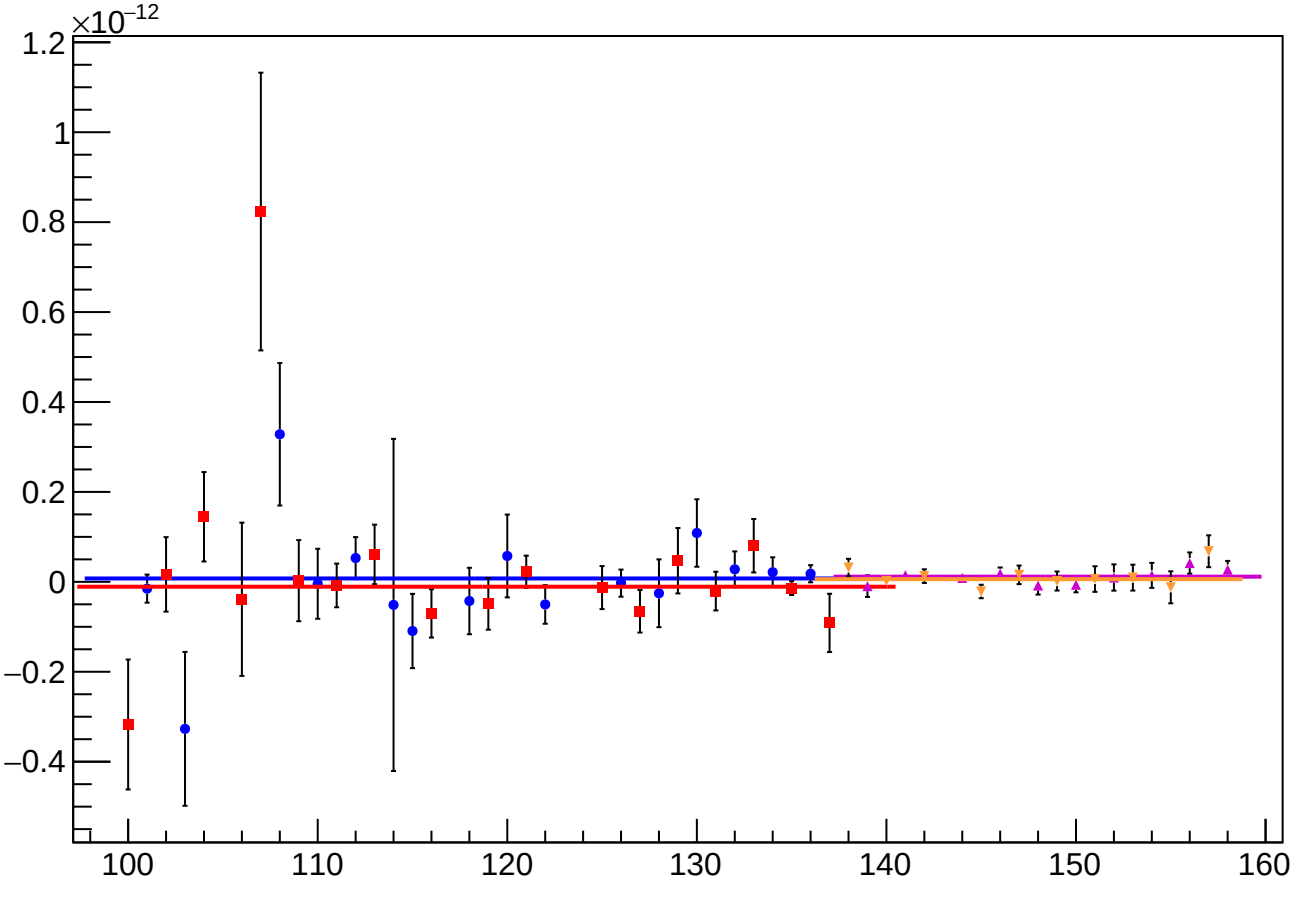
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1310.890+/-0.235 χ^2/NDF:867861.5/25

Out: 1334.391+/-0.246 χ^2/NDF:995567.0/27

All: 1322.093+/-0.170 χ^2/NDF: 1868186.3/53

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/9

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:5.6/9

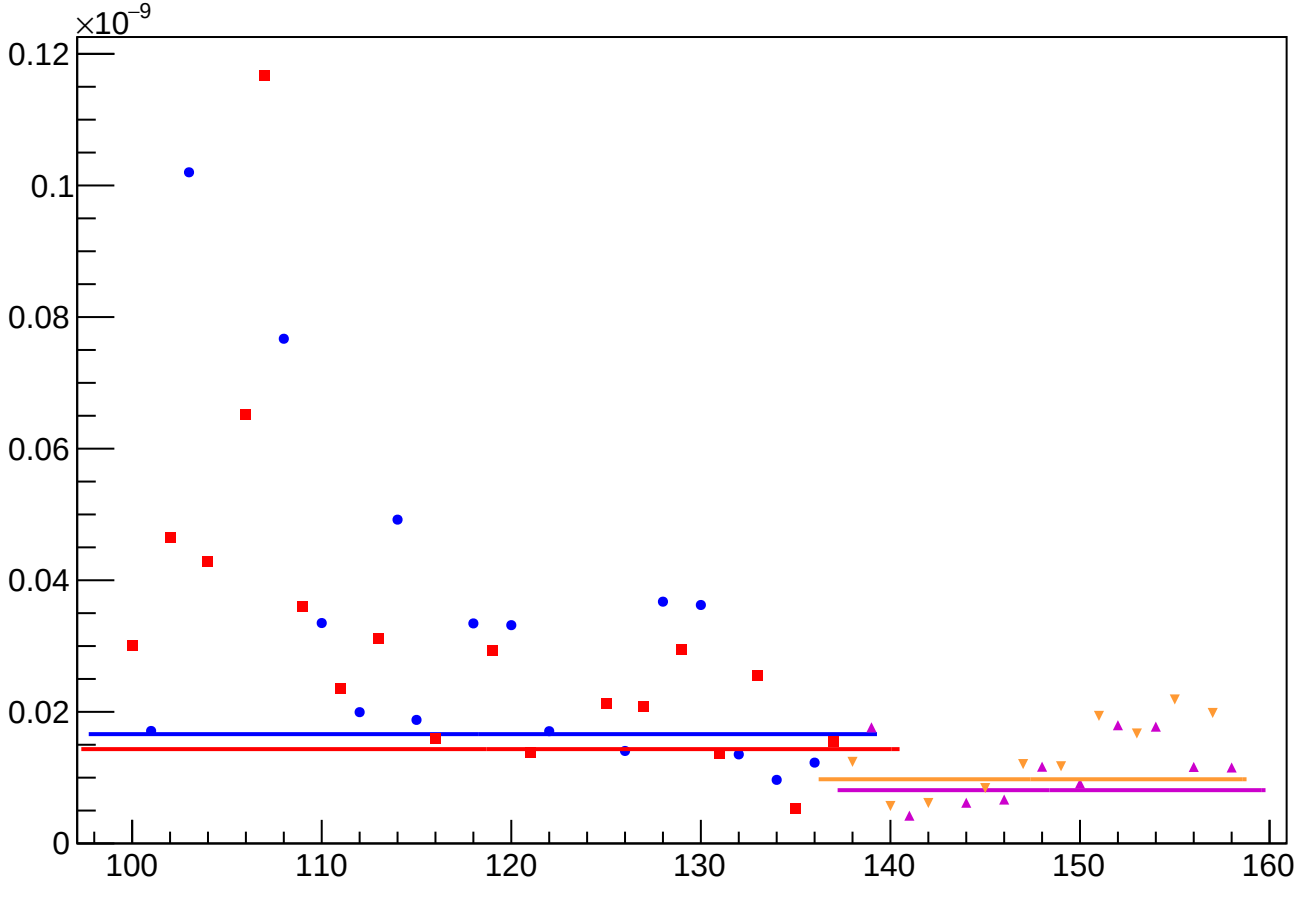
Left: 0.000+/-0.000 χ^2/NDF: 15.1/19

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:22.6/25

Out: 0.000+/-0.000 χ^2/NDF:34.9/27

All: 0.000+/-0.000 χ^2/NDF: 59.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1214479.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1391644.6/9

Left: 0.000+/-0.000 χ^2/NDF: 2696776.5/19

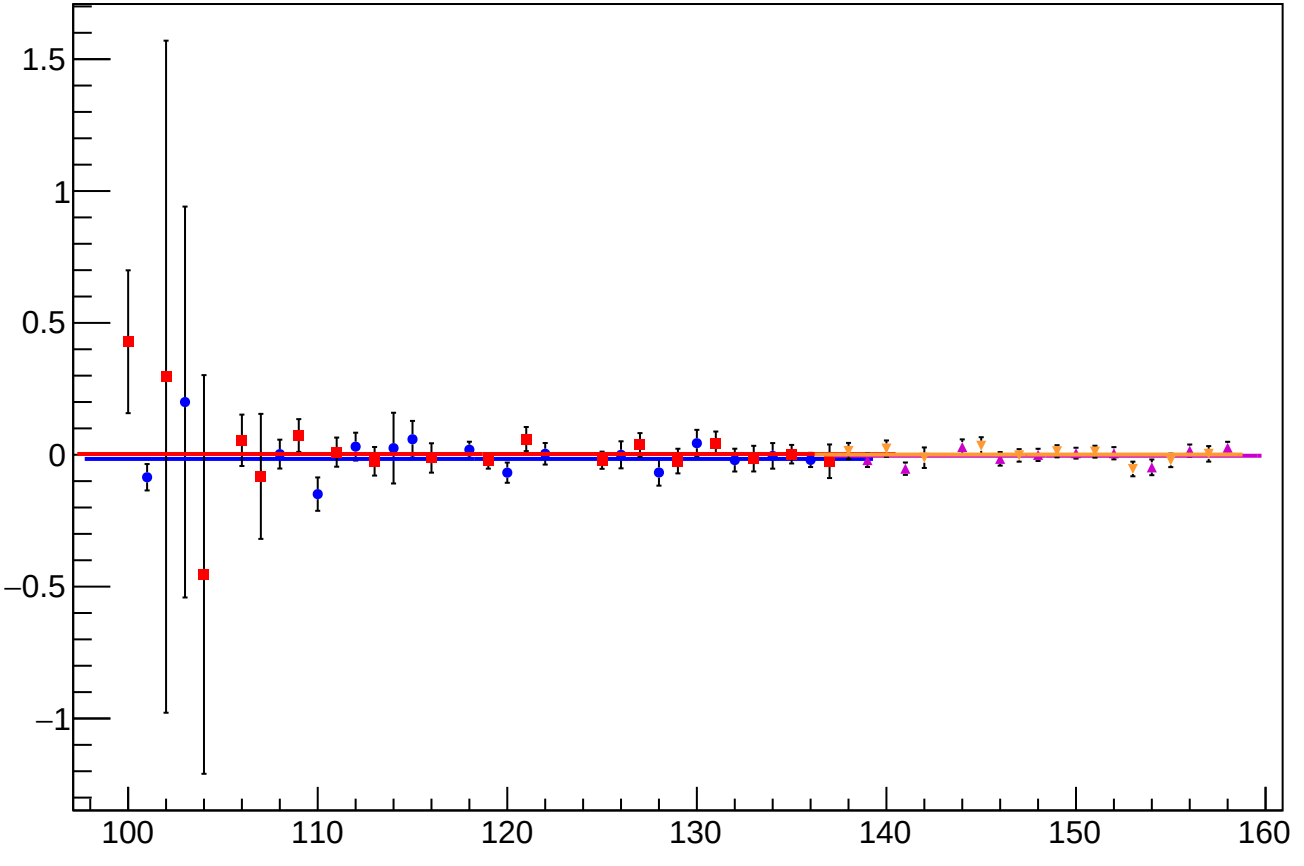
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3977856.4/25

Out: 0.000+/-0.000 χ^2/NDF:3756300.6/27

All: 0.000+/-0.000 χ^2/NDF: 7801913.2/53

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.008 χ^2/NDF:11.3/9

Left: -0.002+/-0.006 χ^2/NDF: 18.5/19

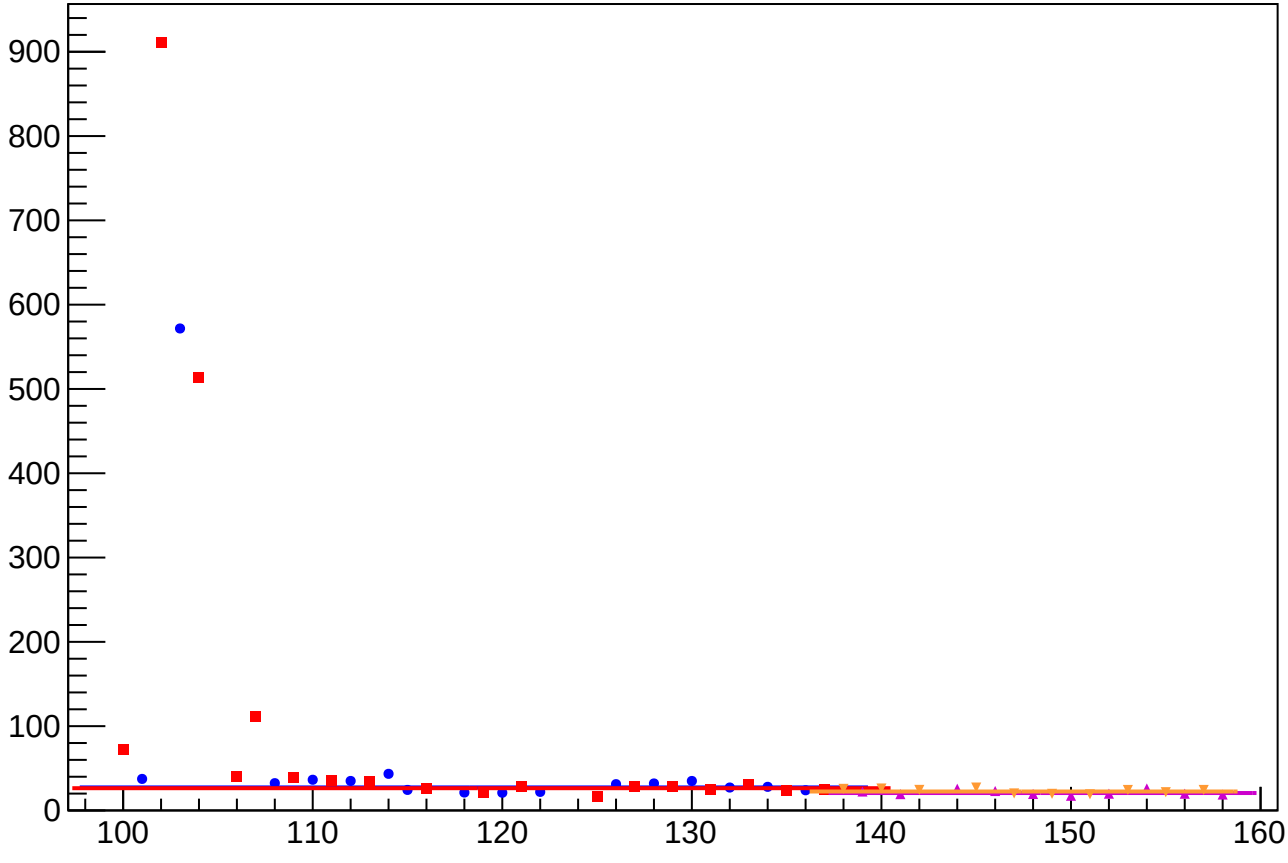
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:26.7/25

Out: 0.002+/-0.007 χ^2/NDF:16.9/27

All: -0.003+/-0.005 χ^2/NDF: 44.5/53

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: 22.483+/-0.006 χ^2/NDF:202685.6/9

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.677+/-0.005 χ^2/NDF:232994.7/9

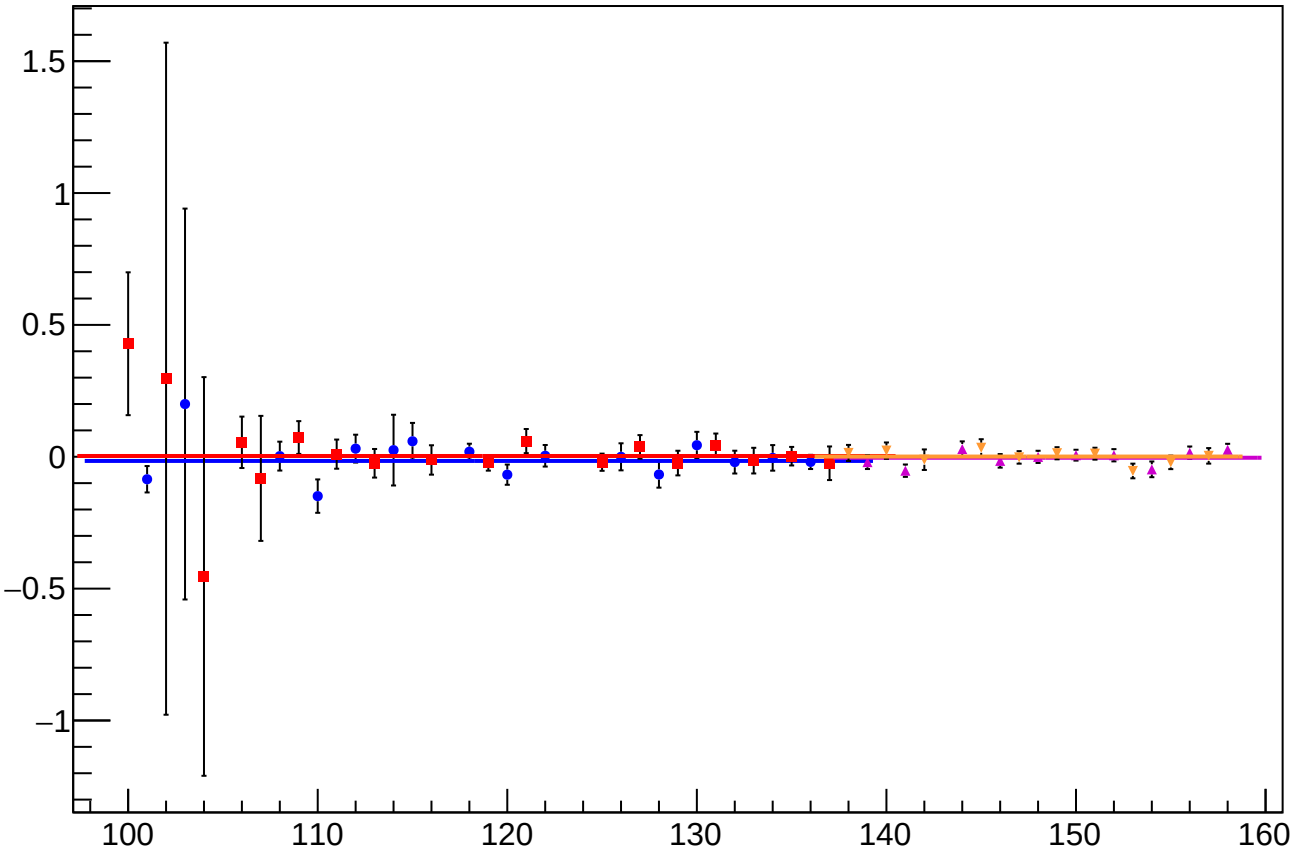
Left: 21.471+/-0.004 χ^2/NDF: 484194.5/19

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.709+/-0.005 χ^2/NDF:2257274.2/25

Out: 23.824+/-0.005 χ^2/NDF:2956995.3/27

All: 23.214+/-0.003 χ^2/NDF: 5241785.6/53



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.008 χ^2/NDF:11.3/9

Left: -0.002+/-0.006 χ^2/NDF: 18.5/19

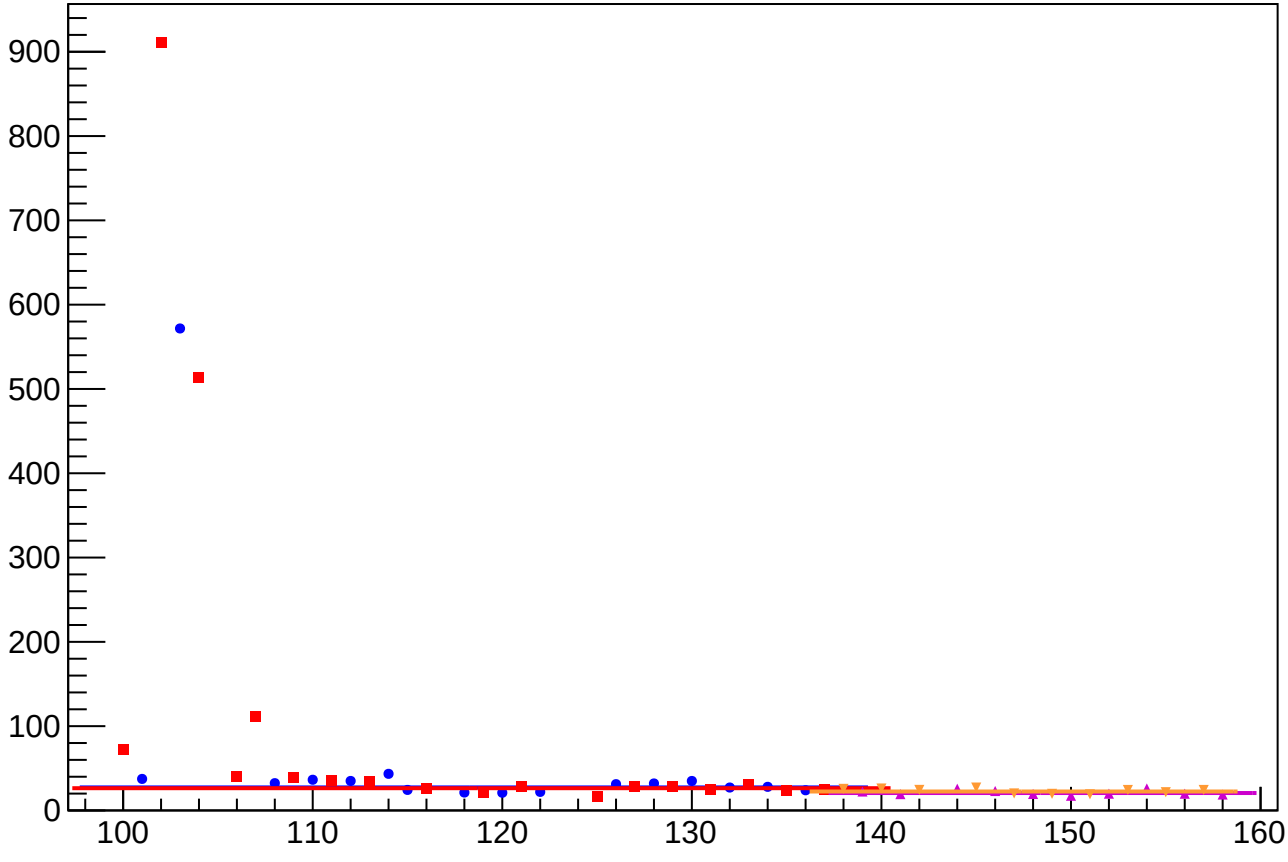
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:26.7/25

Out: 0.002+/-0.007 χ^2/NDF:16.9/27

All: -0.003+/-0.005 χ^2/NDF: 44.5/53

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.483+/-0.006 χ^2/NDF:202685.6/9

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.677+/-0.005 χ^2/NDF:232994.7/9

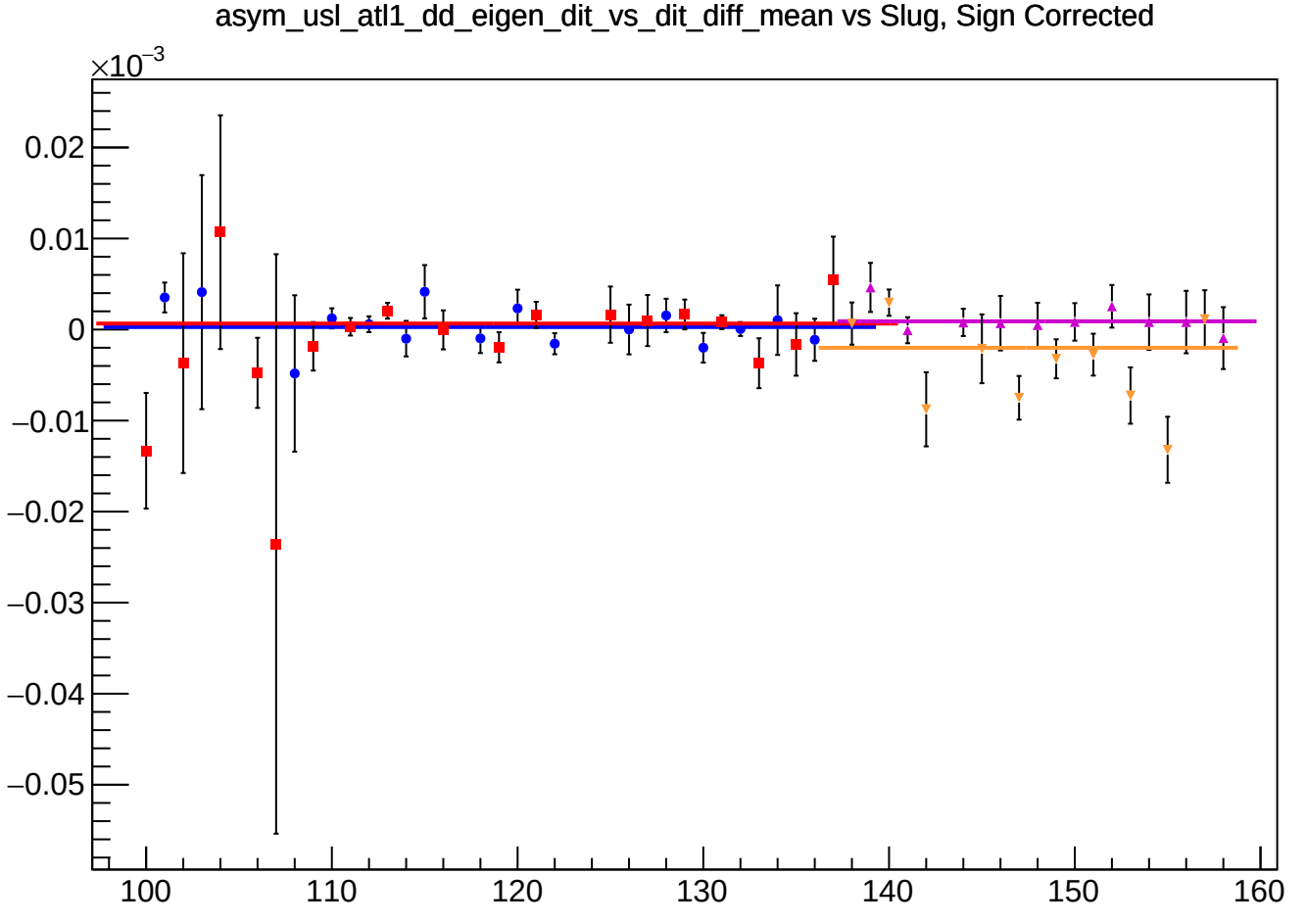
Left: 21.471+/-0.004 χ^2/NDF: 484194.5/19

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.709+/-0.005 χ^2/NDF:2257274.2/25

Out: 23.824+/-0.005 χ^2/NDF:2956995.3/27

All: 23.214+/-0.003 χ^2/NDF: 5241785.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3.2/9

Left: -0.000+/-0.000 χ^2/NDF: 45.8/19

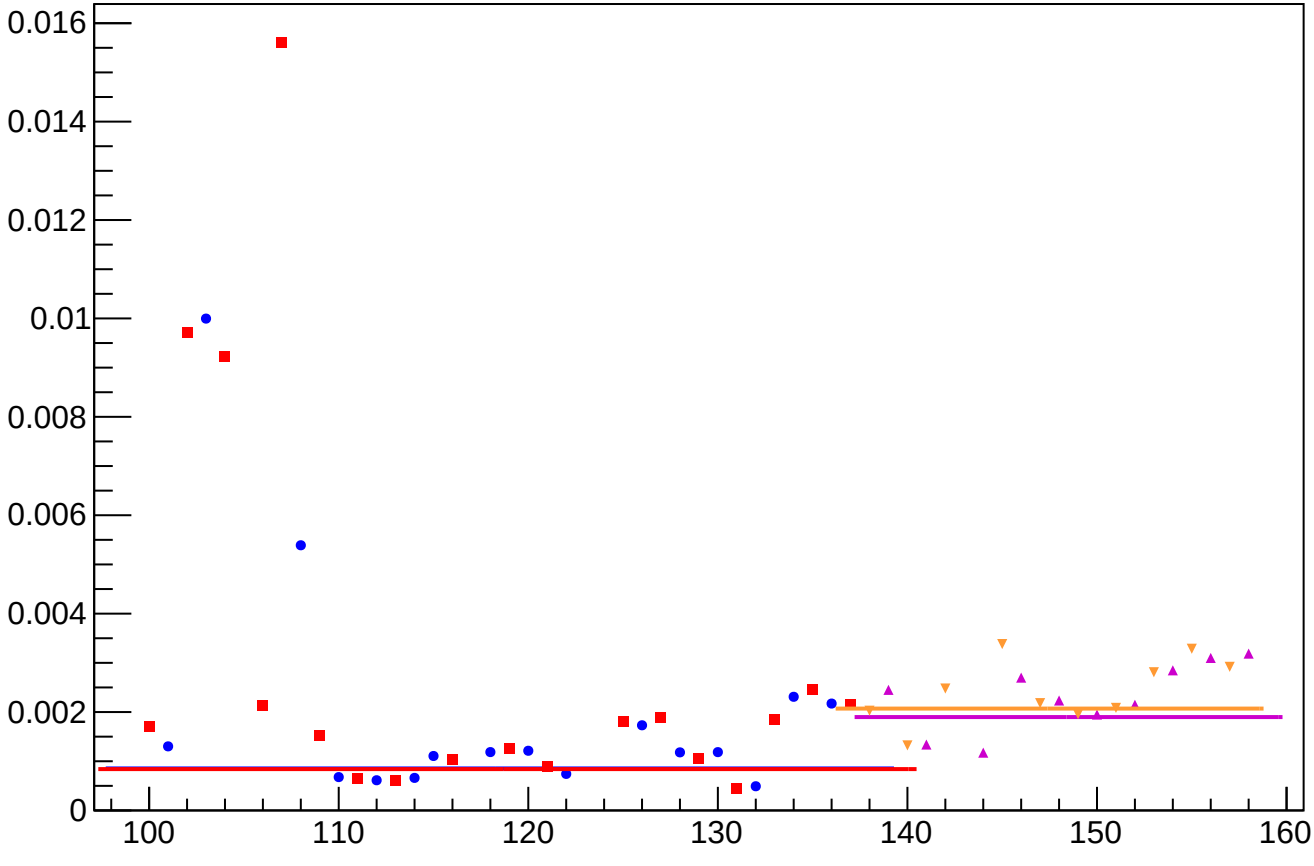
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:18.3/25

Out: 0.000+/-0.000 χ^2/NDF:63.4/27

All: 0.000+/-0.000 χ^2/NDF: 82.1/53

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:1286490.0/9

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1788759.2/9

Left: 0.002+/-0.000 χ^2/NDF: 3129679.5/19

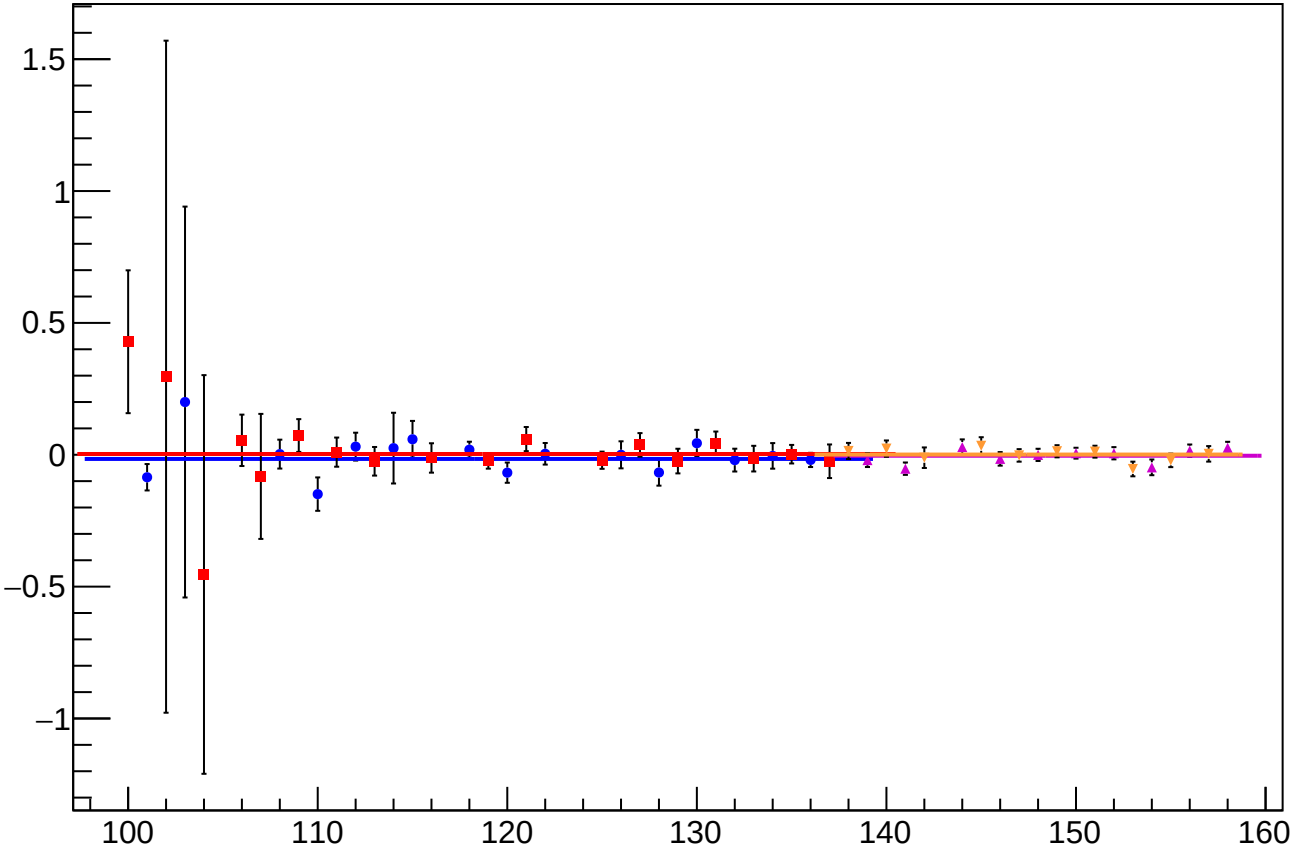
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:9119073.5/25

Out: 0.001+/-0.000 χ^2/NDF:10285957.0/27

All: 0.001+/-0.000 χ^2/NDF: 19405673.9/53

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: 0.001+/-0.009 χ^2/NDF:7.0/9

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.008 χ^2/NDF:11.3/9

Left: -0.002+/-0.006 χ^2/NDF: 18.5/19

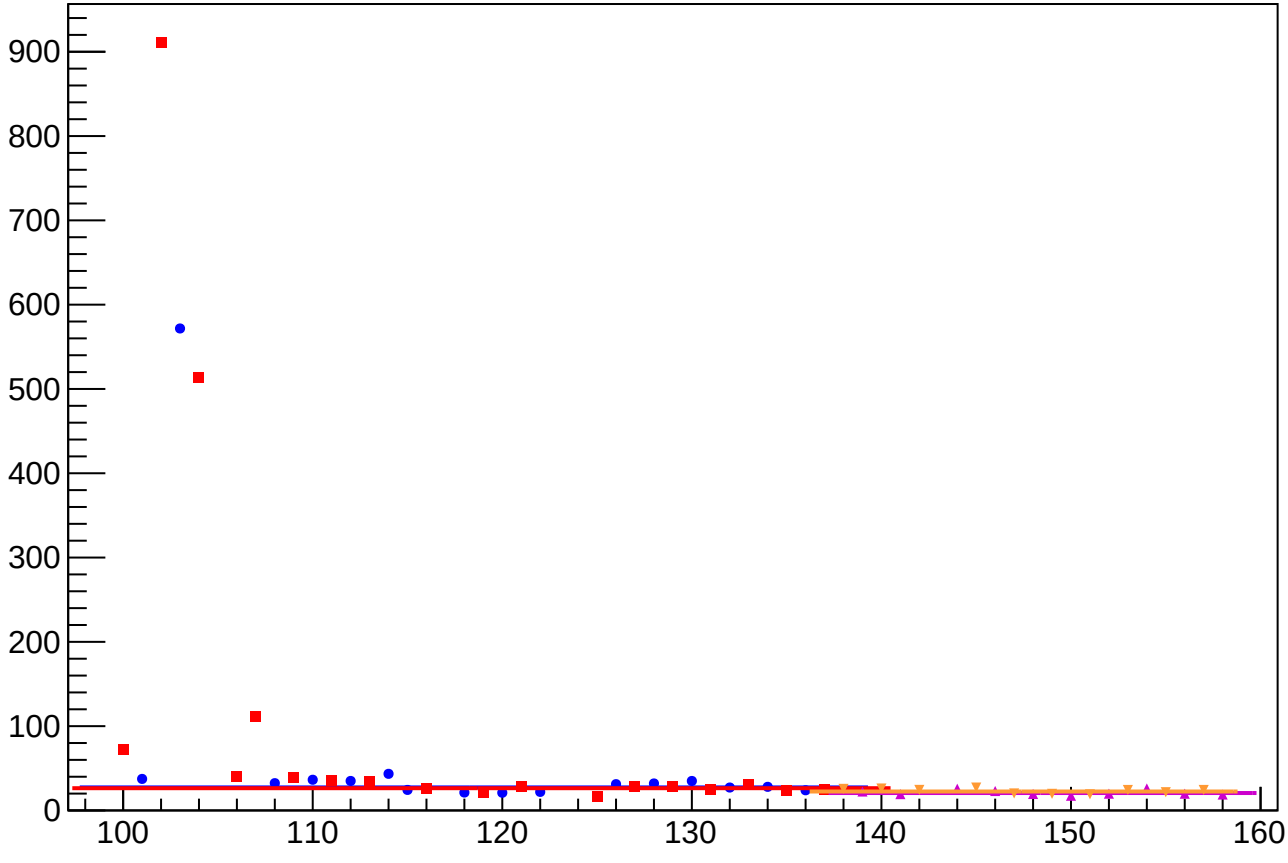
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:26.7/25

Out: 0.002+/-0.007 χ^2/NDF:16.9/27

All: -0.003+/-0.005 χ^2/NDF: 44.5/53

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.483+/-0.006 χ^2/NDF:202665.7/9

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.677+/-0.005 χ^2/NDF:233009.9/9

Left: 21.471+/-0.004 χ^2/NDF: 484186.1/19

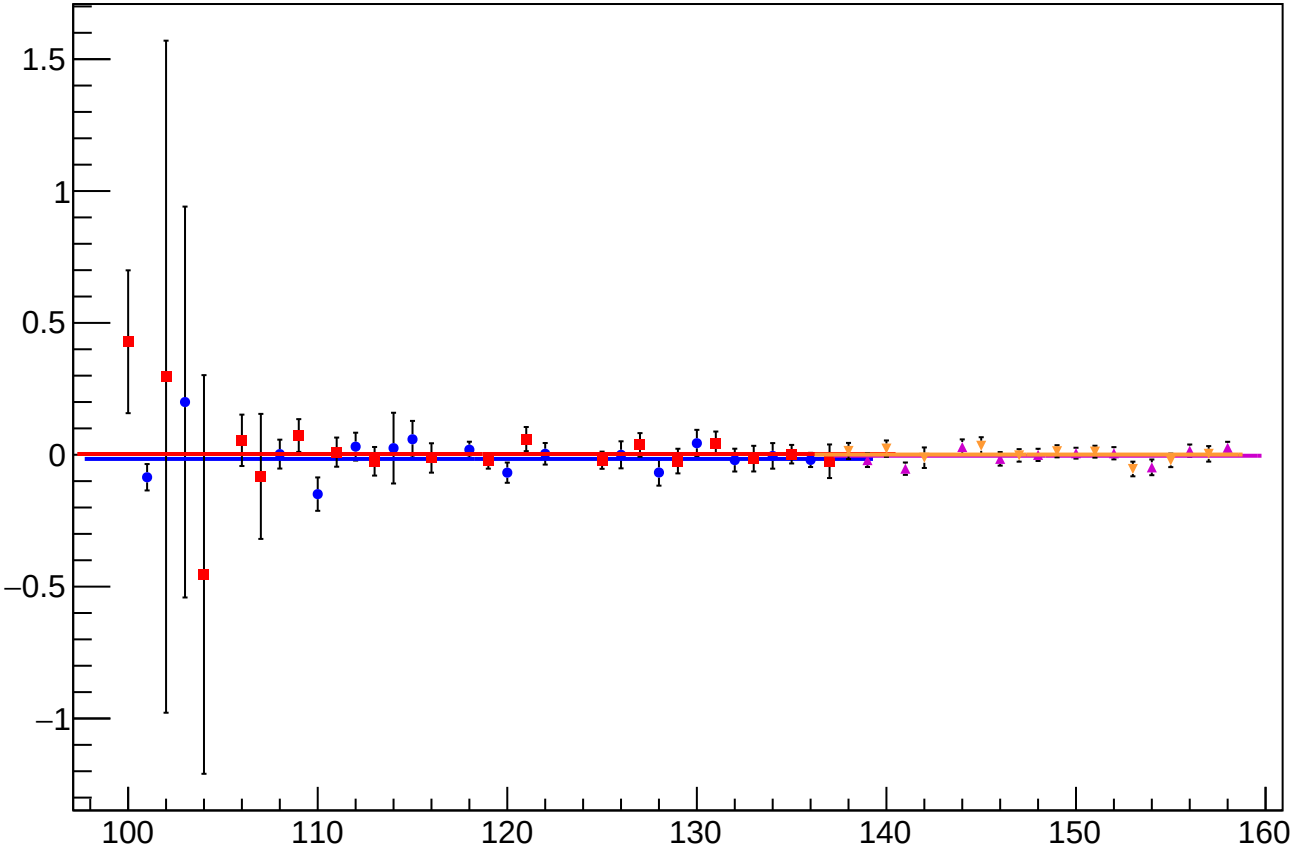
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.709+/-0.005 χ^2/NDF:2257289.7/25

Out: 23.824+/-0.005 χ^2/NDF:2957001.1/27

All: 23.214+/-0.003 χ^2/NDF: 5241804.7/53

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: 0.001+/-0.009 χ^2/NDF:7.0/9

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.008 χ^2/NDF:11.3/9

Left: -0.002+/-0.006 χ^2/NDF: 18.5/19

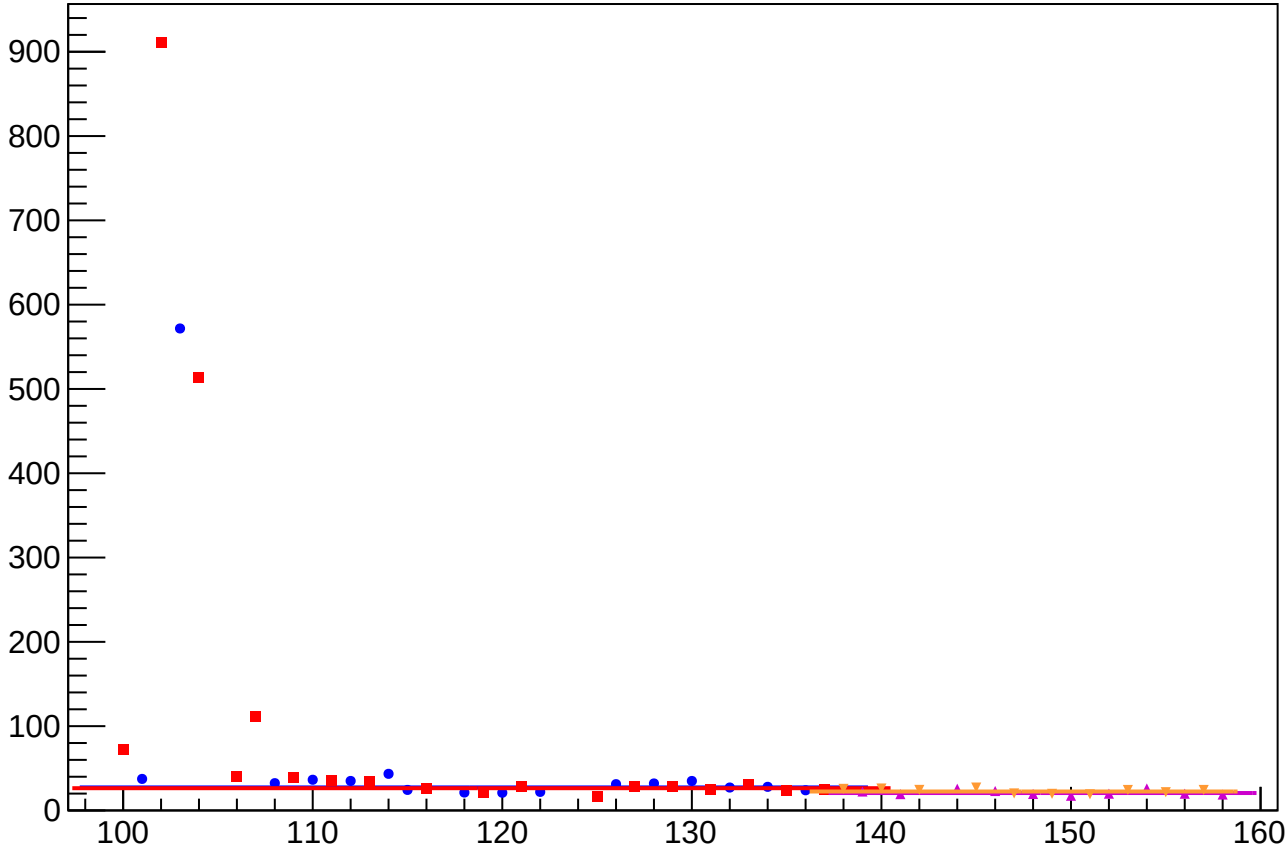
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:26.7/25

Out: 0.002+/-0.007 χ^2/NDF:16.9/27

All: -0.003+/-0.005 χ^2/NDF: 44.5/53

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.483+/-0.006 χ^2/NDF:202665.7/9

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.677+/-0.005 χ^2/NDF:233009.9/9

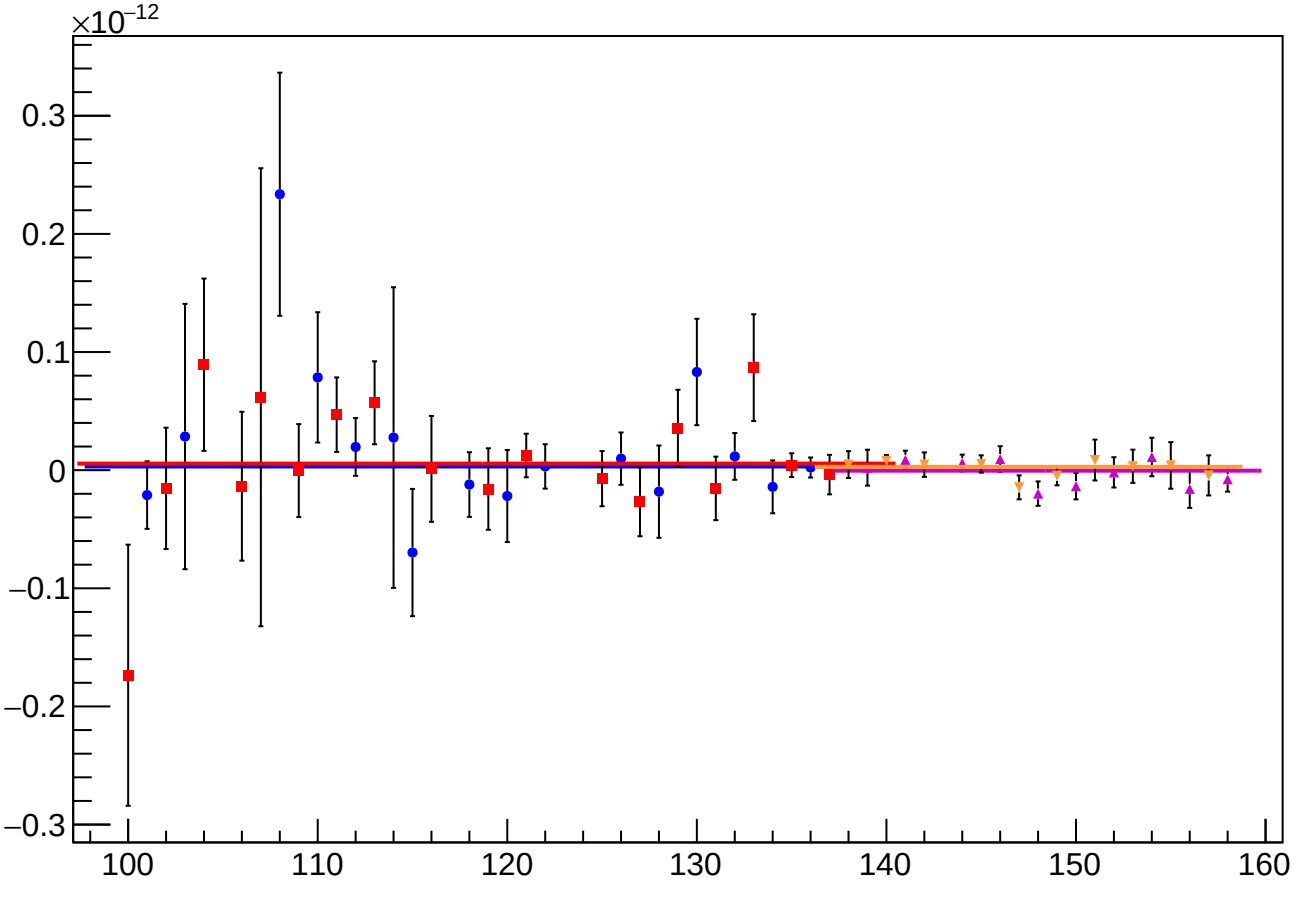
Left: 21.471+/-0.004 χ^2/NDF: 484186.1/19

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.709+/-0.005 χ^2/NDF:2257289.7/25

Out: 23.824+/-0.005 χ^2/NDF:2957001.1/27

All: 23.214+/-0.003 χ^2/NDF: 5241804.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:9.9/9

Left: 0.000+/-0.000 χ^2/NDF: 15.7/19

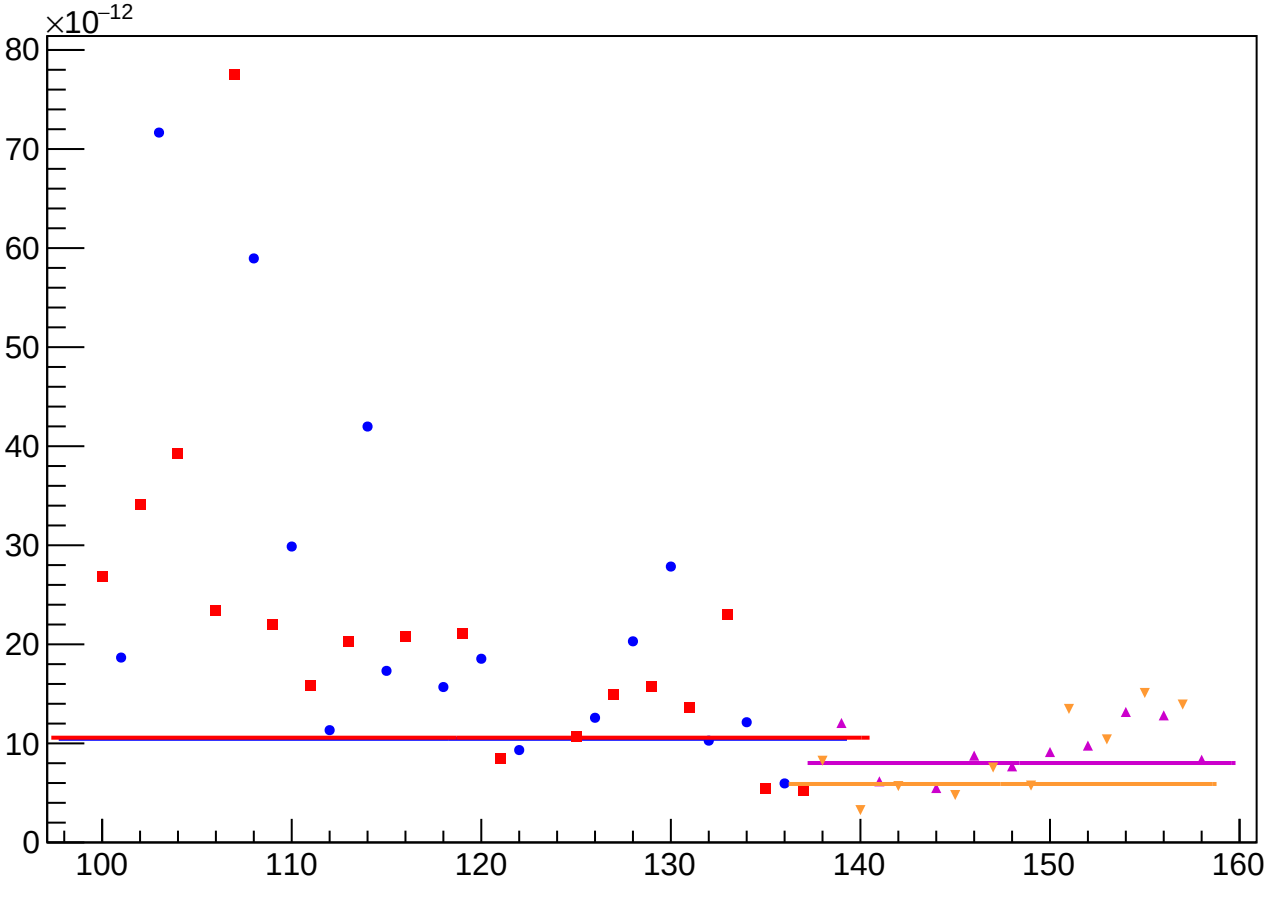
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:25.2/25

Out: 0.000+/-0.000 χ^2/NDF:20.8/27

All: 0.000+/-0.000 χ^2/NDF: 46.5/53

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2233067.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:957504.5/9

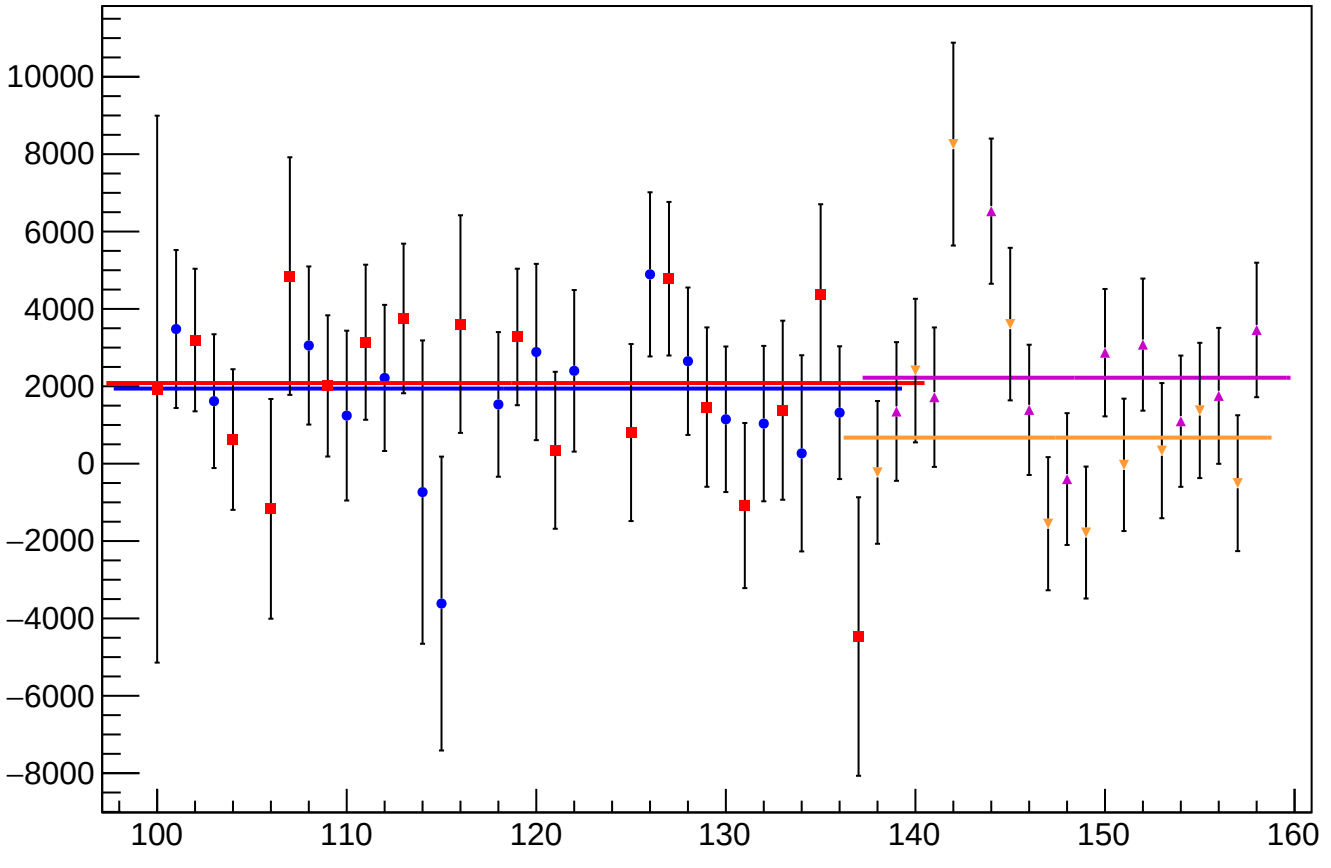
Left: 0.000+/-0.000 χ^2/NDF: 3644267.7/19

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:4023132.7/25

Out: 0.000+/-0.000 χ^2/NDF:5961955.2/27

All: 0.000+/-0.000 χ^2/NDF: 10435015.1/53



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 673.197+/-578.412 χ^2/NDF:16.3/9

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2221.532+/-549.227 χ^2/NDF:9.6/9

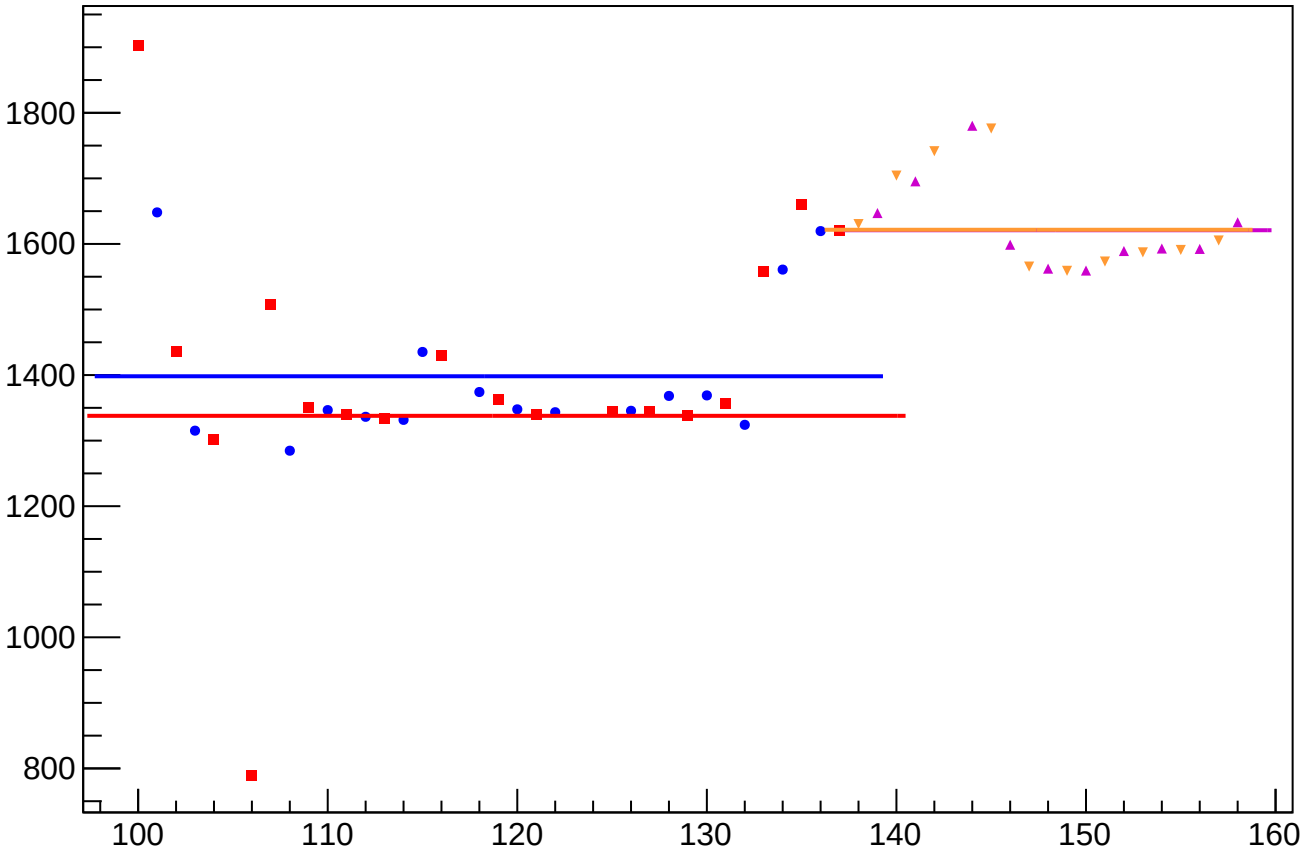
Left: 1487.412+/-398.280 χ^2/NDF: 29.6/19

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2074.174+/-378.435 χ^2/NDF:16.7/25

Out: 1453.944+/-386.531 χ^2/NDF:34.0/27

All: 1770.623+/-270.411 χ^2/NDF: 52.0/53



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1621.611+/-0.409 χ^2/NDF:28463.5/9

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

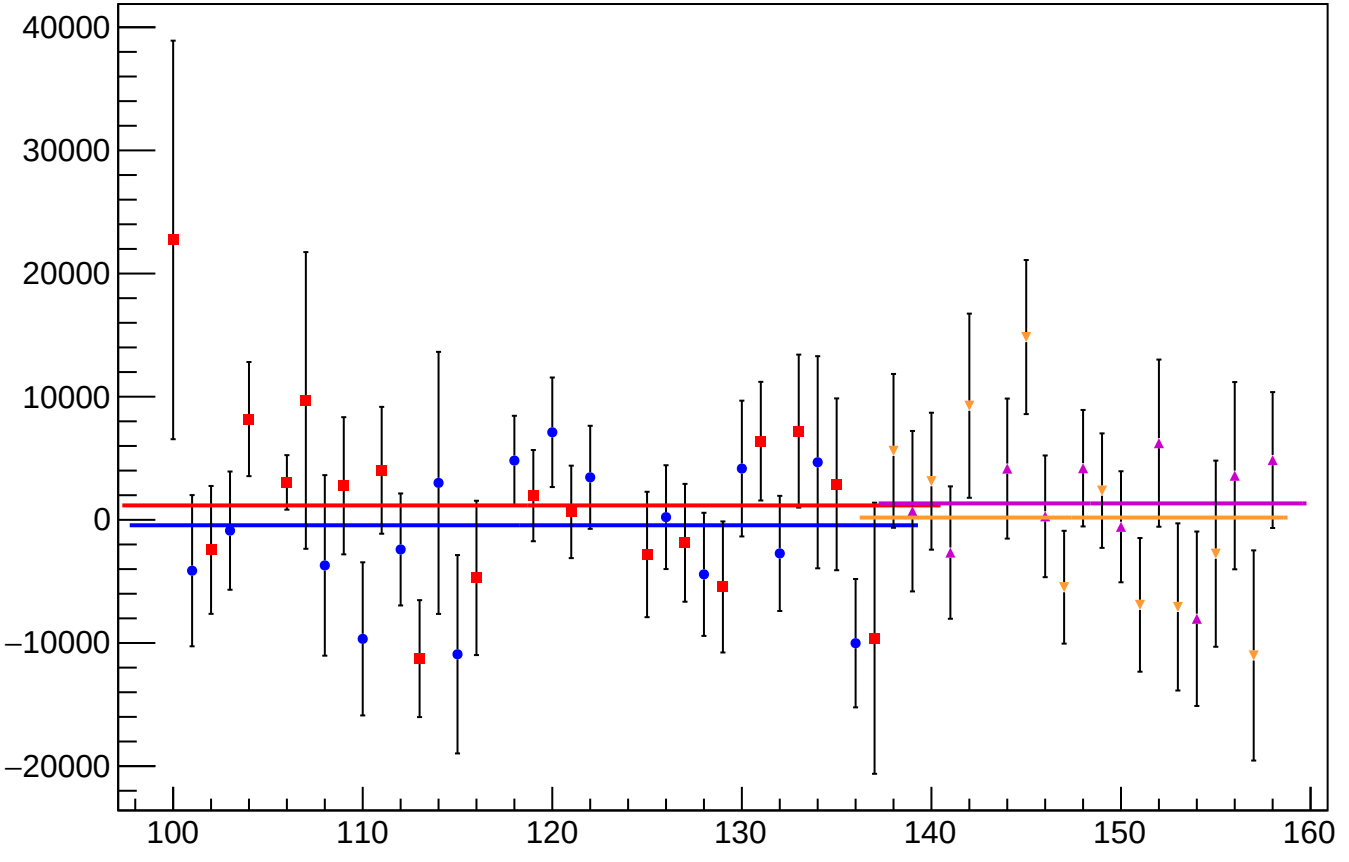
Left: 1621.240+/-0.282 χ^2/NDF: 54101.3/19

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1503.912+/-0.268 χ^2/NDF:292338.7/25

Out: 1460.111+/-0.268 χ^2/NDF:620211.8/27

All: 1482.085+/-0.190 χ^2/NDF: 925902.0/53



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 184.367+/-1882.354 χ^2/NDF:14.5/9

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 1335.027+/-1779.588 χ^2/NDF:4.2/9

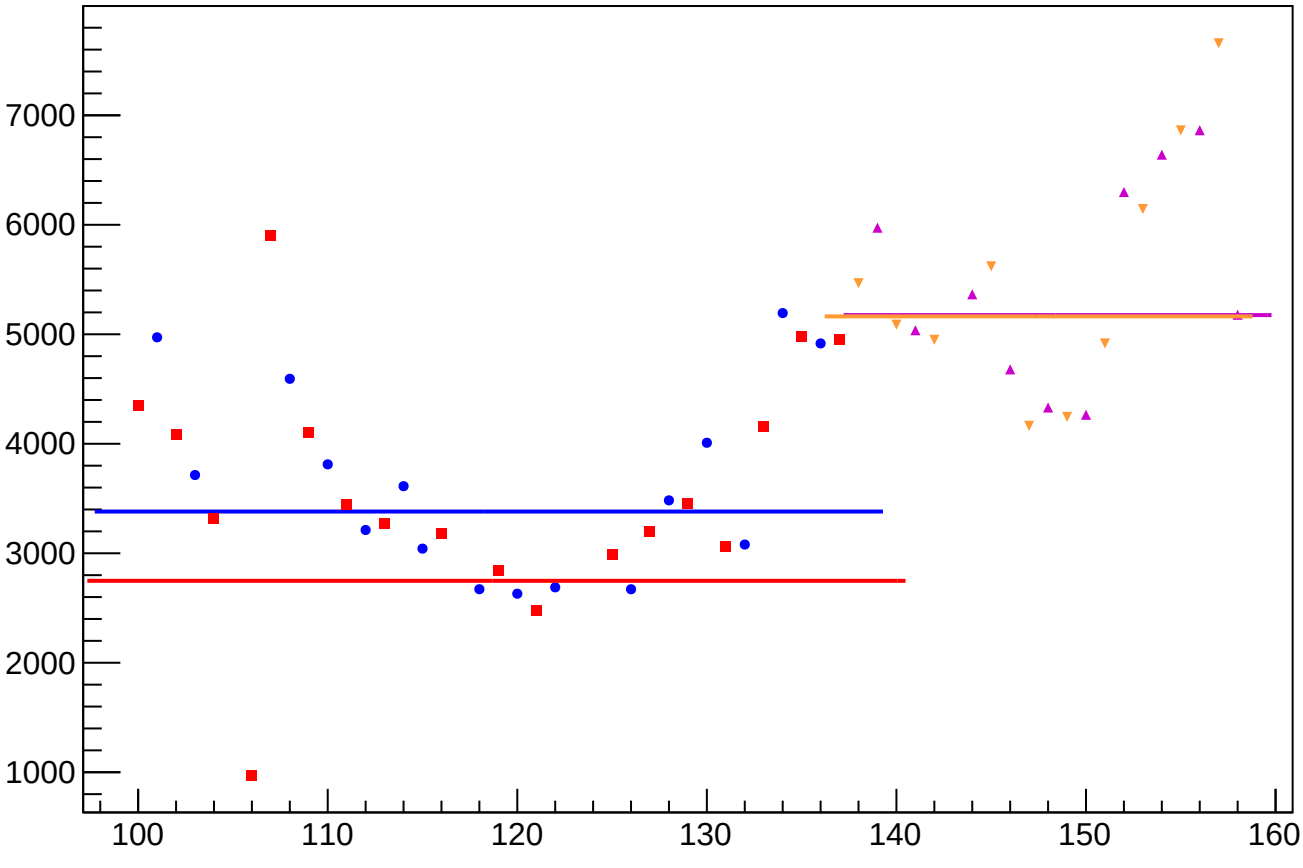
Left: 791.963+/-1293.163 χ^2/NDF: 18.8/19

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 174.357+/-1047.586 χ^2/NDF:20.7/25

Out: 913.477+/-962.439 χ^2/NDF:34.3/27

All: 575.171+/-708.740 χ^2/NDF: 55.3/53



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5163.274+/-1.331 χ^2/NDF:508286.8/9

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5175.359+/-1.258 χ^2/NDF:438073.6/9

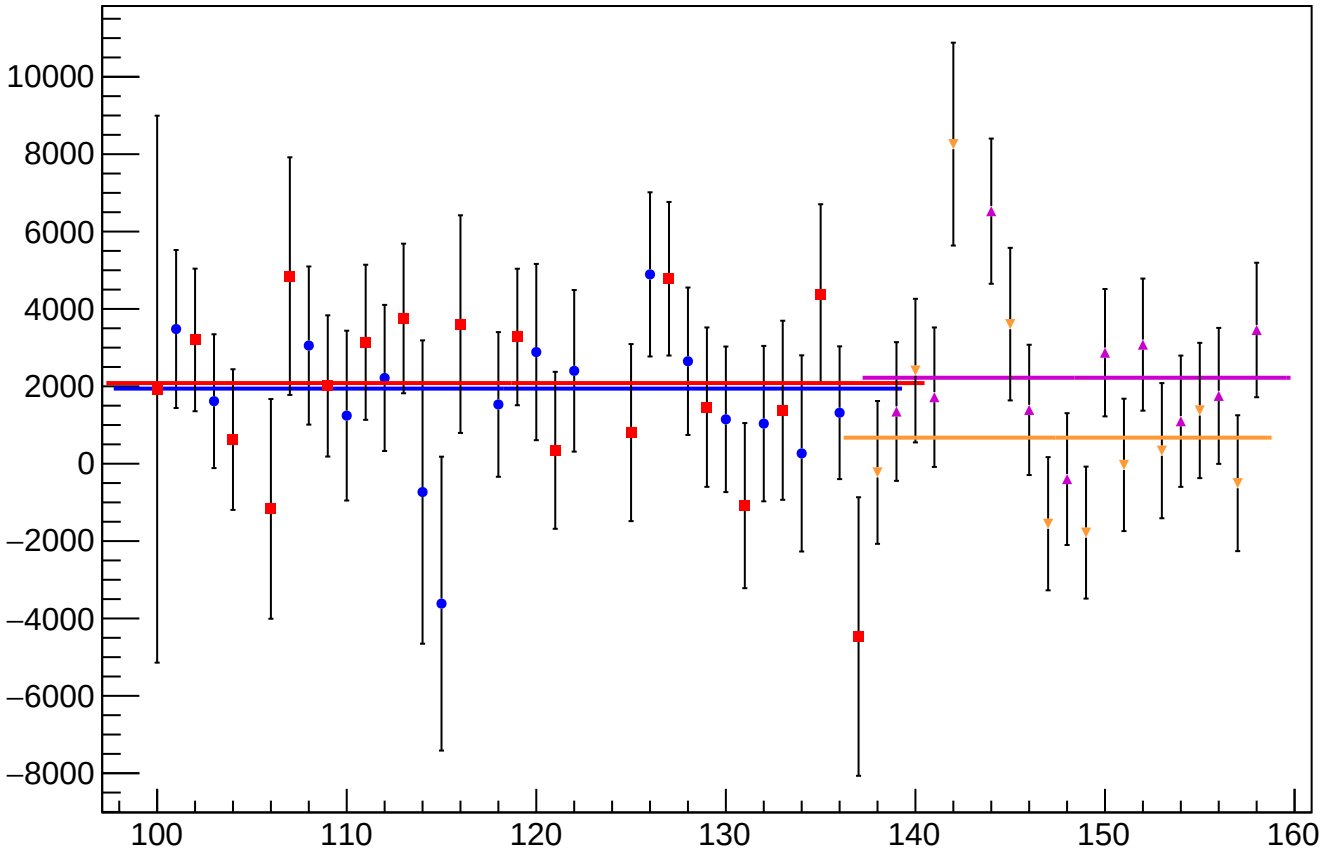
Left: 5169.656+/-0.914 χ^2/NDF: 946404.0/19

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4002.876+/-0.741 χ^2/NDF:2523773.3/25

Out: 3379.683+/-0.681 χ^2/NDF:5204059.3/27

All: 3664.927+/-0.501 χ^2/NDF: 8111649.0/53



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 673.299+/-578.412 χ^2/NDF:16.3/9

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2221.673+/-549.227 χ^2/NDF:9.6/9

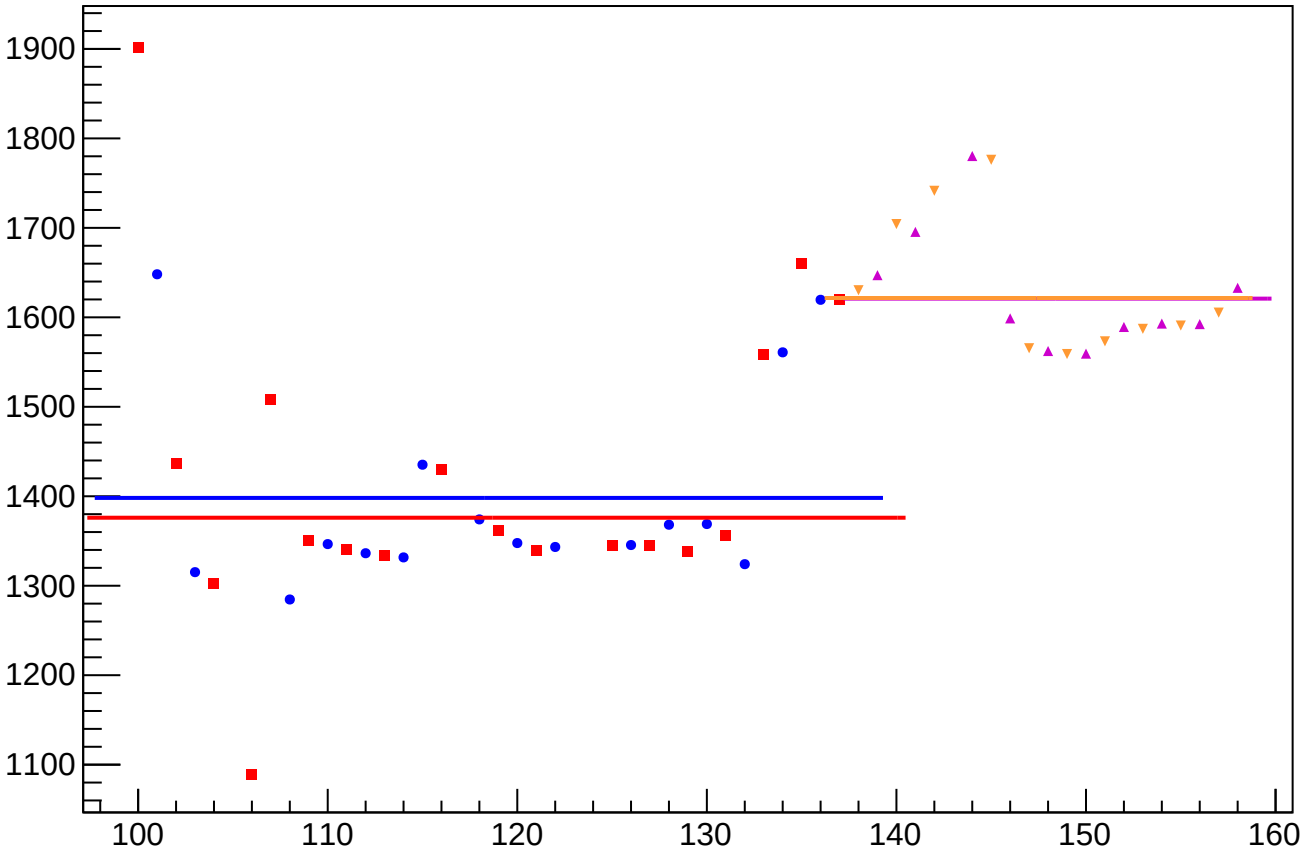
Left: 1487.534+/-398.280 χ^2/NDF: 29.6/19

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2074.270+/-378.435 χ^2/NDF:16.7/25

Out: 1454.104+/-386.533 χ^2/NDF:34.0/27

All: 1770.751+/-270.412 χ^2/NDF: 52.0/53



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1621.611+/-0.409 χ^2/NDF:28463.5/9

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

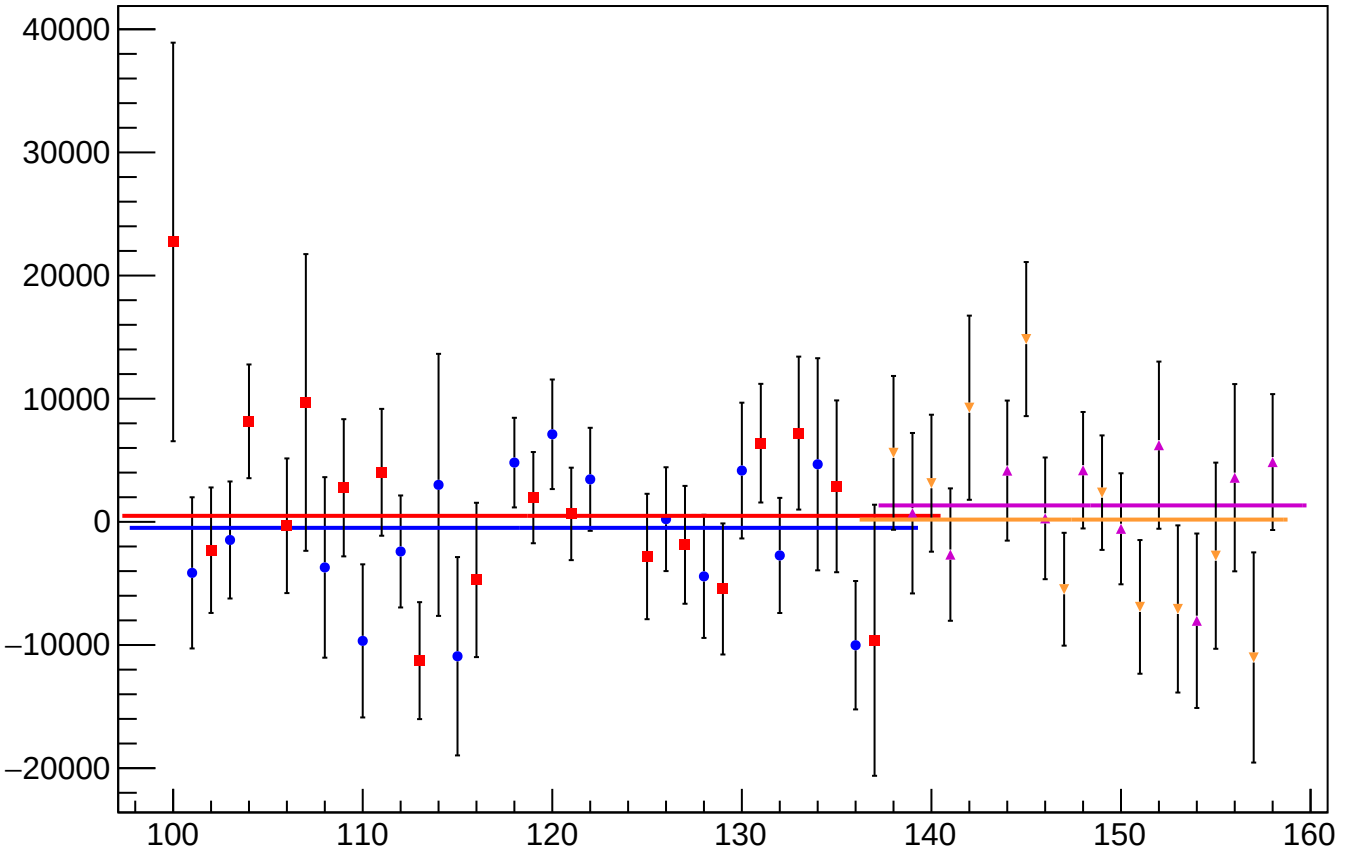
Left: 1621.240+/-0.282 χ^2/NDF: 54101.3/19

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1503.912+/-0.268 χ^2/NDF:292338.8/25

Out: 1484.074+/-0.271 χ^2/NDF:344419.5/27

All: 1494.129+/-0.191 χ^2/NDF: 639468.5/53



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 184.344+/-1882.355 χ^2/NDF:14.5/9

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1335.171+/-1779.586 χ^2/NDF:4.2/9

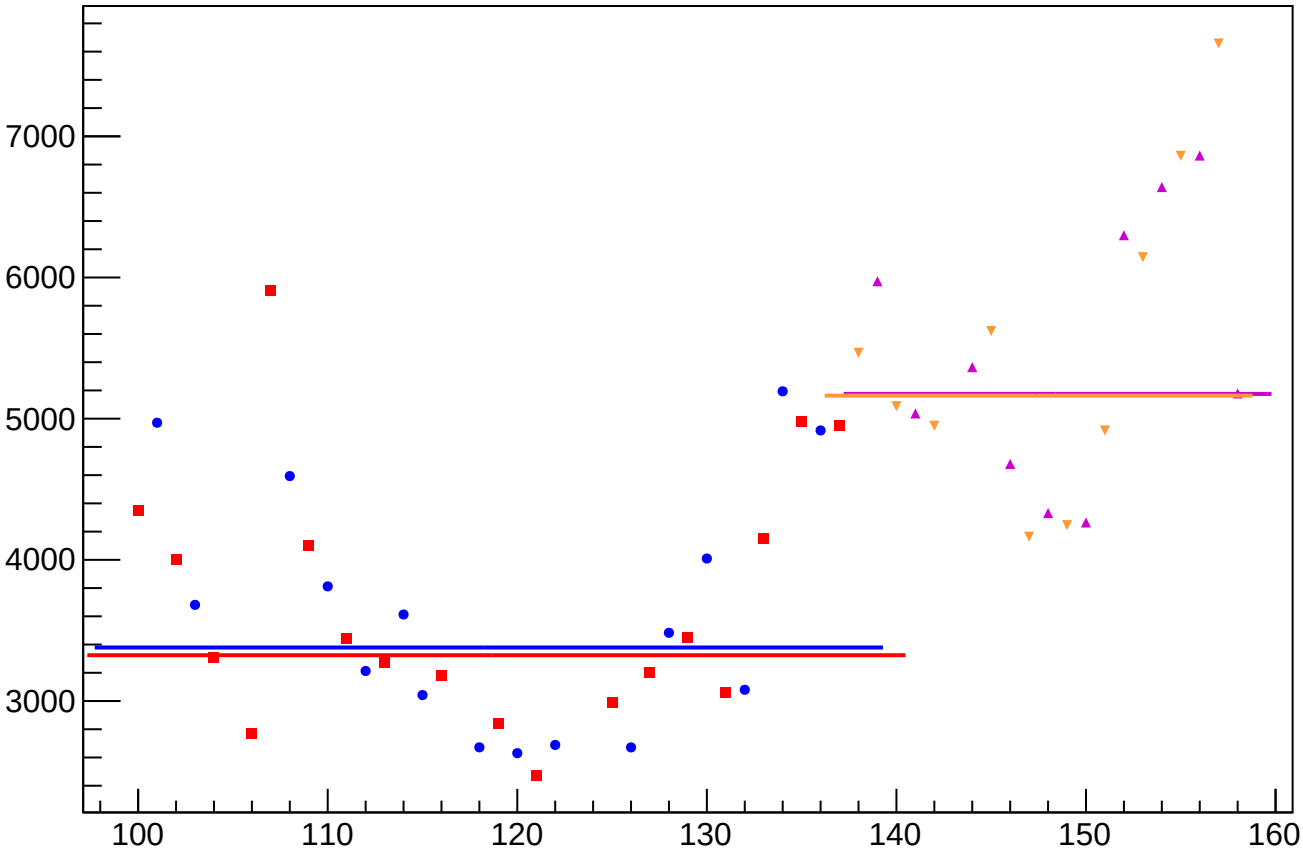
Left: 792.029+/-1293.163 χ^2/NDF: 18.8/19

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 144.095+/-1047.065 χ^2/NDF:20.8/25

Out: 394.317+/-1047.827 χ^2/NDF:33.2/27

All: 269.115+/-740.656 χ^2/NDF: 54.0/53



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5163.276+/-1.331 χ^2/NDF:508285.3/9

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5175.354+/-1.258 χ^2/NDF:438077.7/9

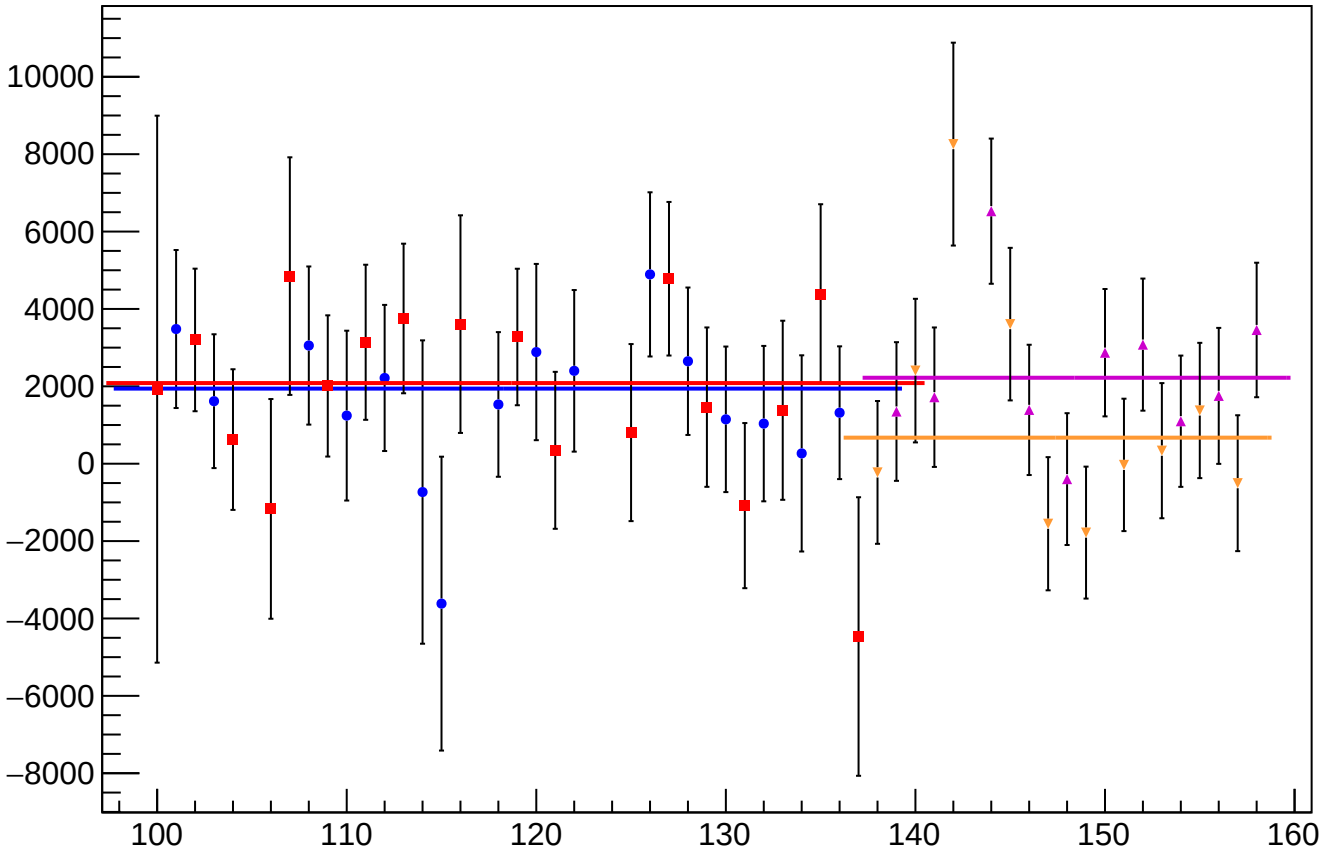
Left: 5169.654+/-0.914 χ^2/NDF: 946406.4/19

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4000.944+/-0.740 χ^2/NDF:2525639.8/25

Out: 3894.243+/-0.741 χ^2/NDF:2369265.9/27

All: 3947.632+/-0.524 χ^2/NDF: 4905282.7/53



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 673.299+/-578.412 χ^2/NDF:16.3/9

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2221.673+/-549.227 χ^2/NDF:9.6/9

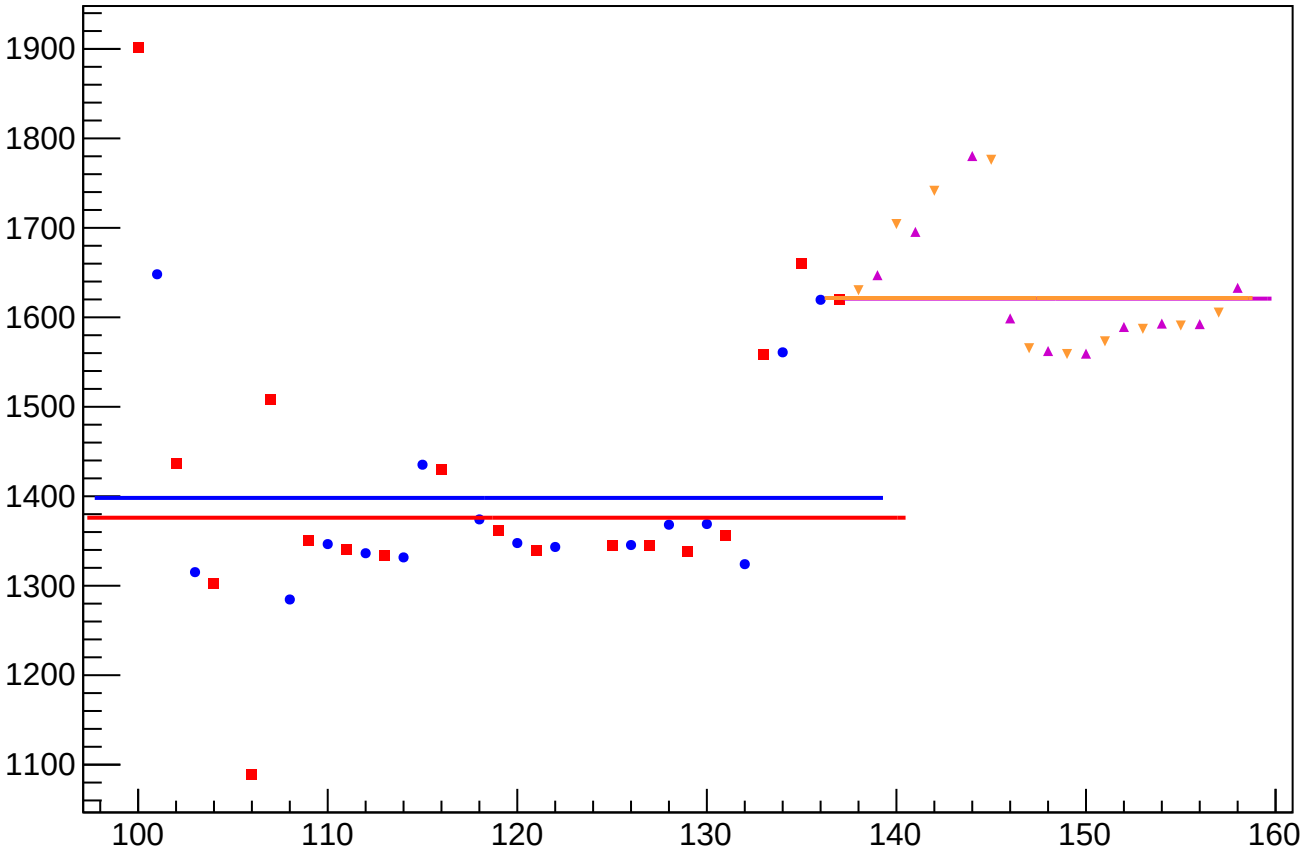
Left: 1487.534+/-398.280 χ^2/NDF: 29.6/19

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2074.270+/-378.435 χ^2/NDF:16.7/25

Out: 1454.104+/-386.533 χ^2/NDF:34.0/27

All: 1770.751+/-270.412 χ^2/NDF: 52.0/53



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1621.611+/-0.409 χ^2/NDF:28463.5/9

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

Left: 1621.240+/-0.282 χ^2/NDF: 54101.3/19

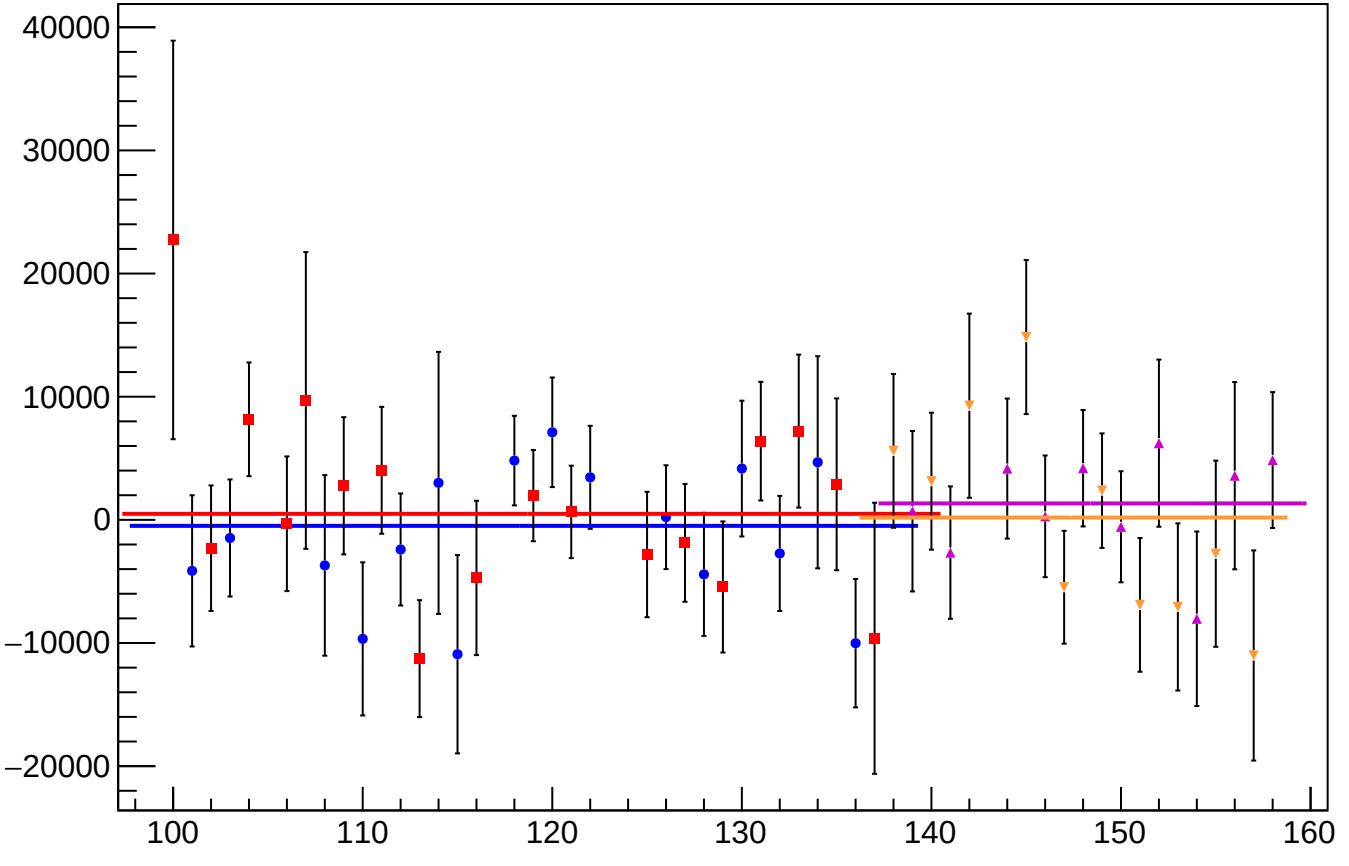
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1503.912+/-0.268 χ^2/NDF:292338.8/25

Out: 1484.074+/-0.271 χ^2/NDF:344419.5/27

All: 1494.129+/-0.191 χ^2/NDF: 639468.5/53

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: 184.344+/-1882.355 χ^2/NDF:14.5/9

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1335.171+/-1779.586 χ^2/NDF:4.2/9

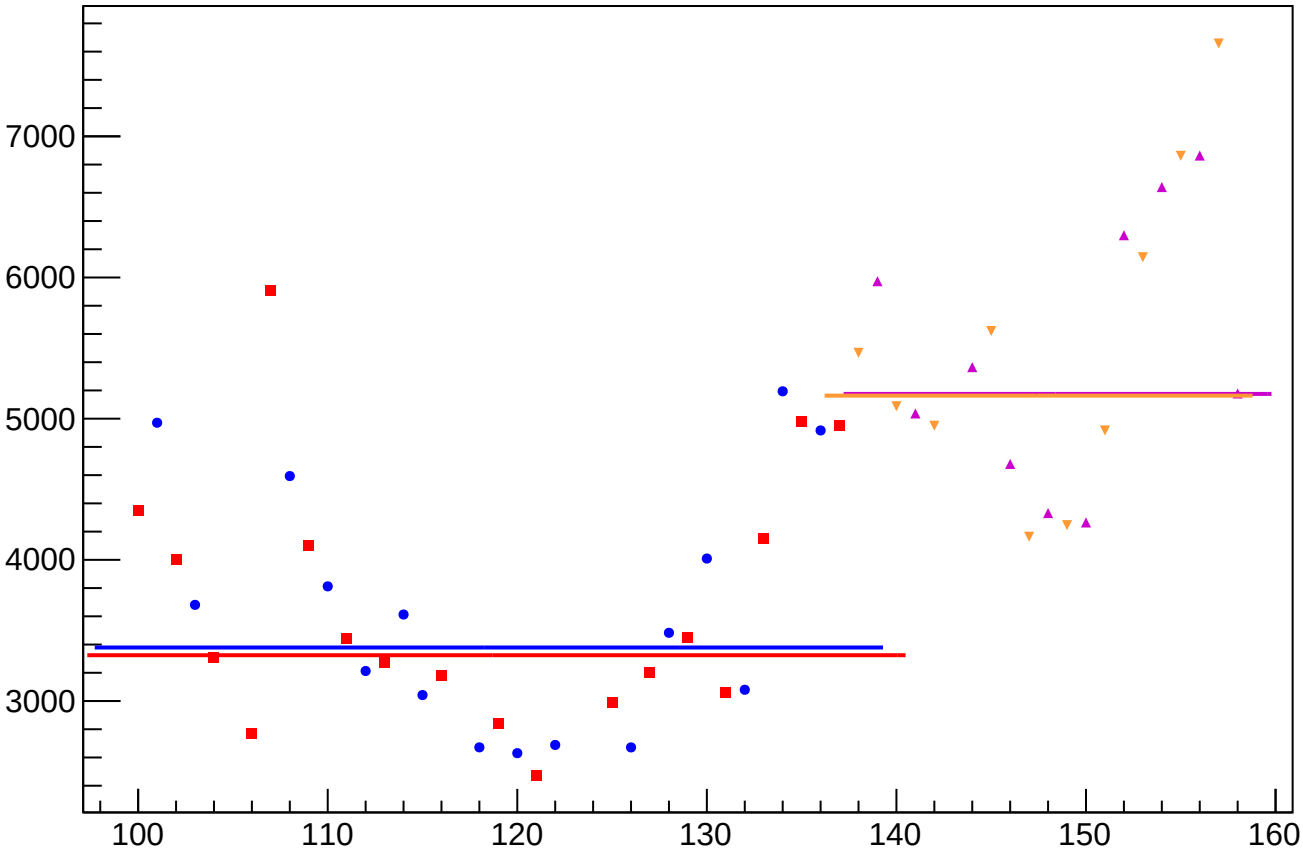
Left: 792.029+/-1293.163 χ^2/NDF: 18.8/19

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 144.095+/-1047.065 χ^2/NDF:20.8/25

Out: 394.317+/-1047.827 χ^2/NDF:33.2/27

All: 269.115+/-740.656 χ^2/NDF: 54.0/53



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5163.276+/-1.331 χ^2/NDF:508285.3/9

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5175.354+/-1.258 χ^2/NDF:438077.7/9

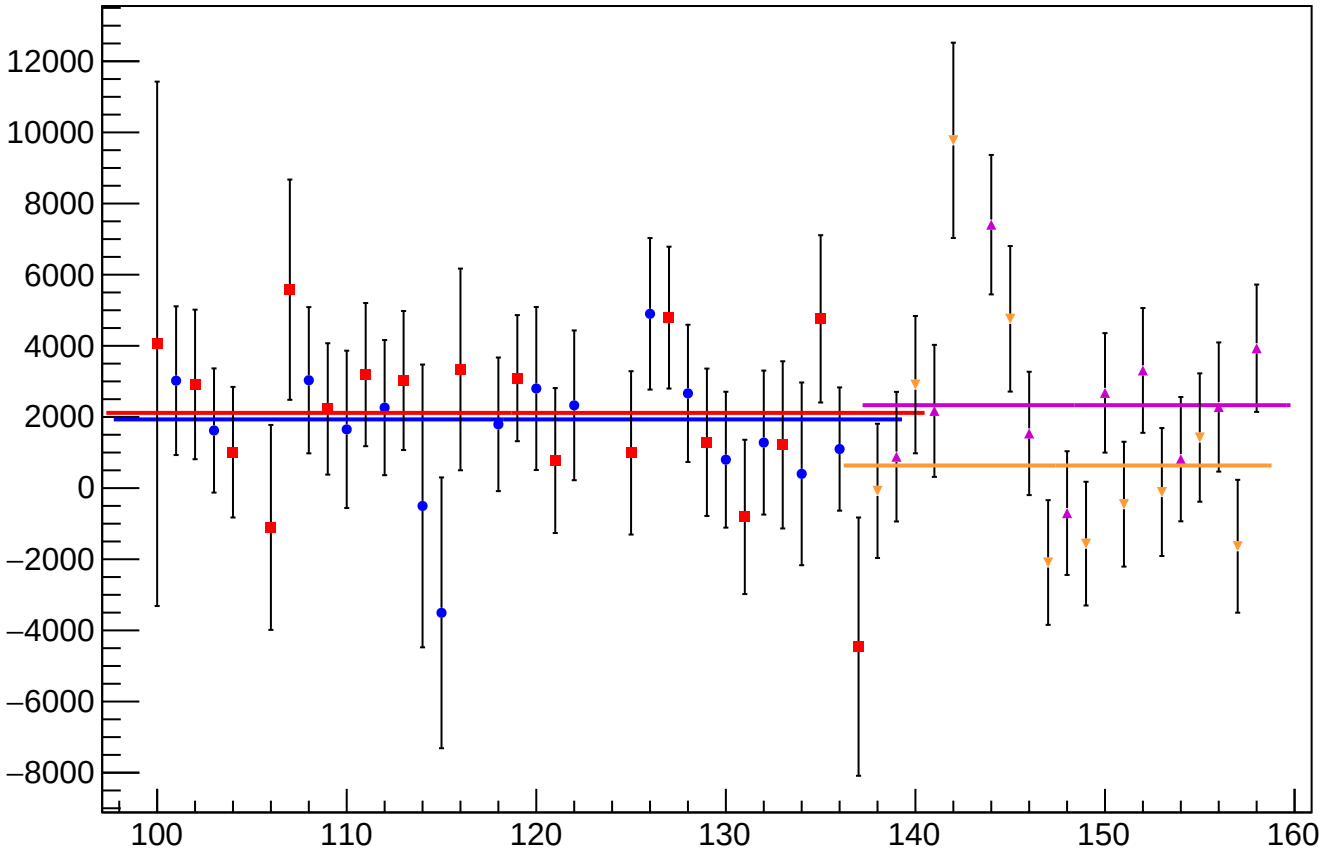
Left: 5169.654+/-0.914 χ^2/NDF: 946406.4/19

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4000.944+/-0.740 χ^2/NDF:2525639.8/25

Out: 3894.243+/-0.741 χ^2/NDF:2369265.9/27

All: 3947.632+/-0.524 χ^2/NDF: 4905282.7/53



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 636.143+/-597.143 χ^2/NDF:22.9/9

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2330.796+/-564.493 χ^2/NDF:12.5/9

Left: 1531.062+/-410.214 χ^2/NDF: 39.7/19

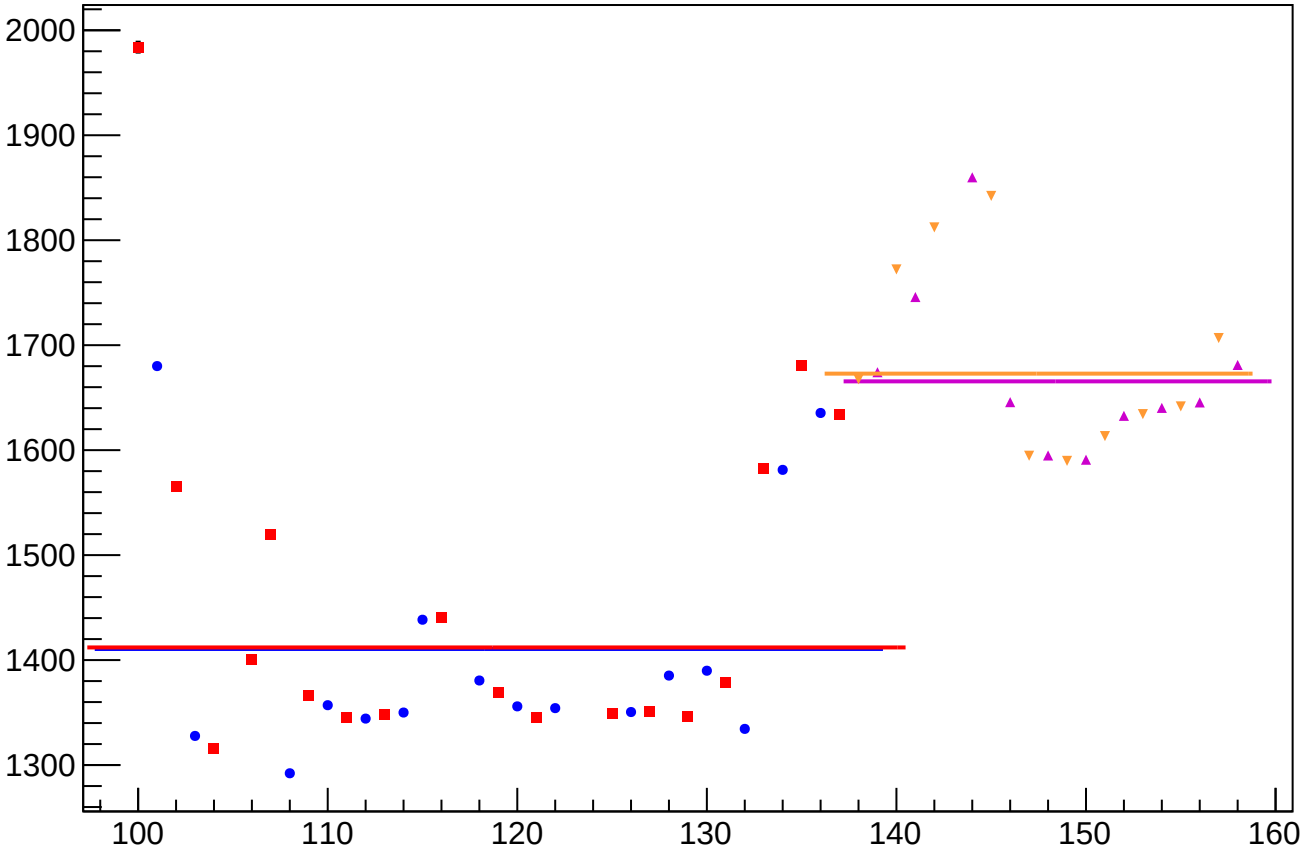
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2117.519+/-385.271 χ^2/NDF:19.1/25

Out: 1465.112+/-395.887 χ^2/NDF:39.6/27

All: 1800.179+/-276.105 χ^2/NDF: 60.1/53

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.889+/-0.422 χ^2/NDF:37182.3/9

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1665.527+/-0.399 χ^2/NDF:32486.7/9

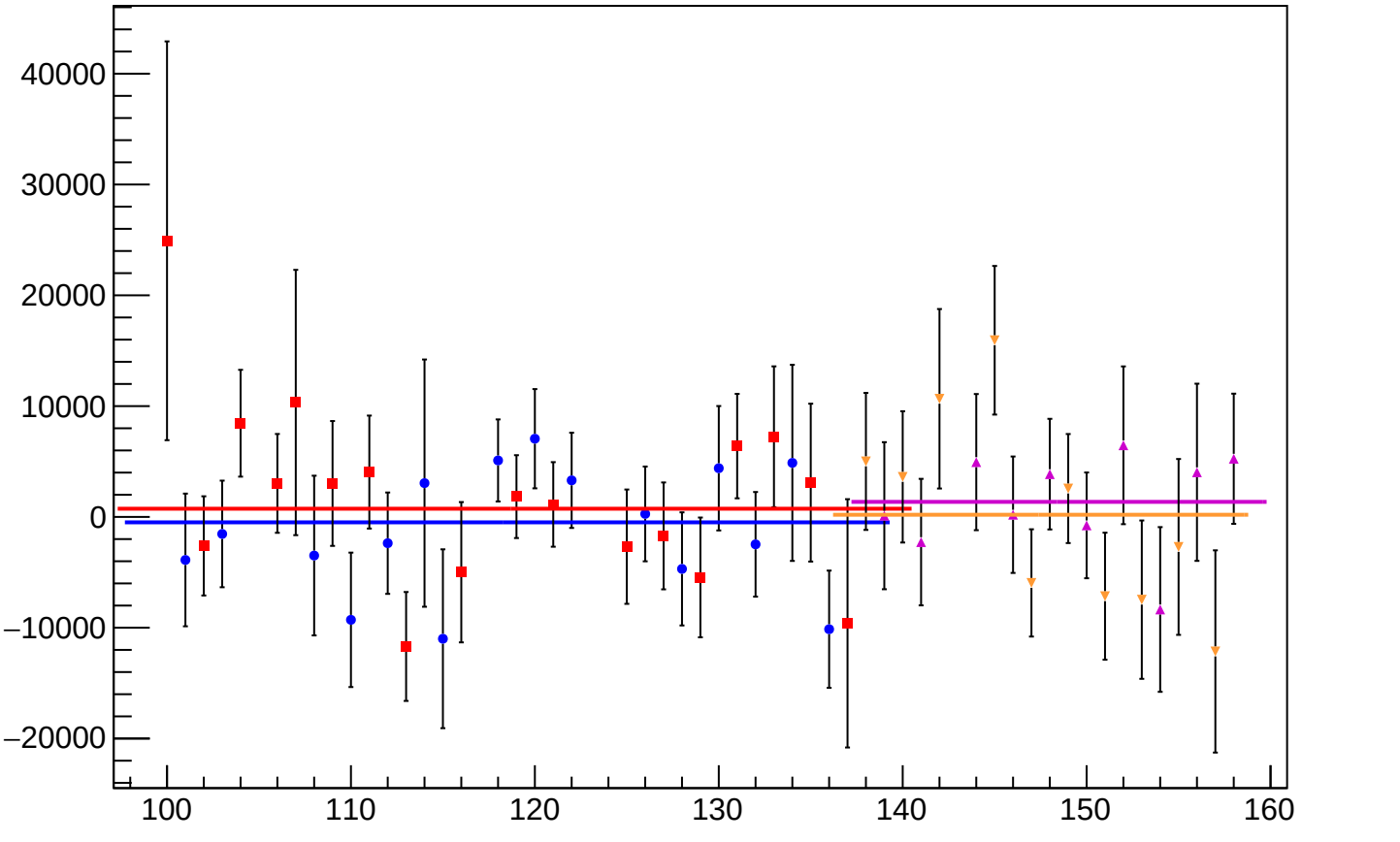
Left: 1669.001+/-0.290 χ^2/NDF: 69829.6/19

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1529.347+/-0.272 χ^2/NDF:349533.1/25

Out: 1526.351+/-0.280 χ^2/NDF:341274.3/27

All: 1527.888+/-0.195 χ^2/NDF: 690866.3/53



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 196.329+/-1983.945 χ^2/NDF:14.7/9

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 1358.966+/-1881.042 χ^2/NDF:4.1/9

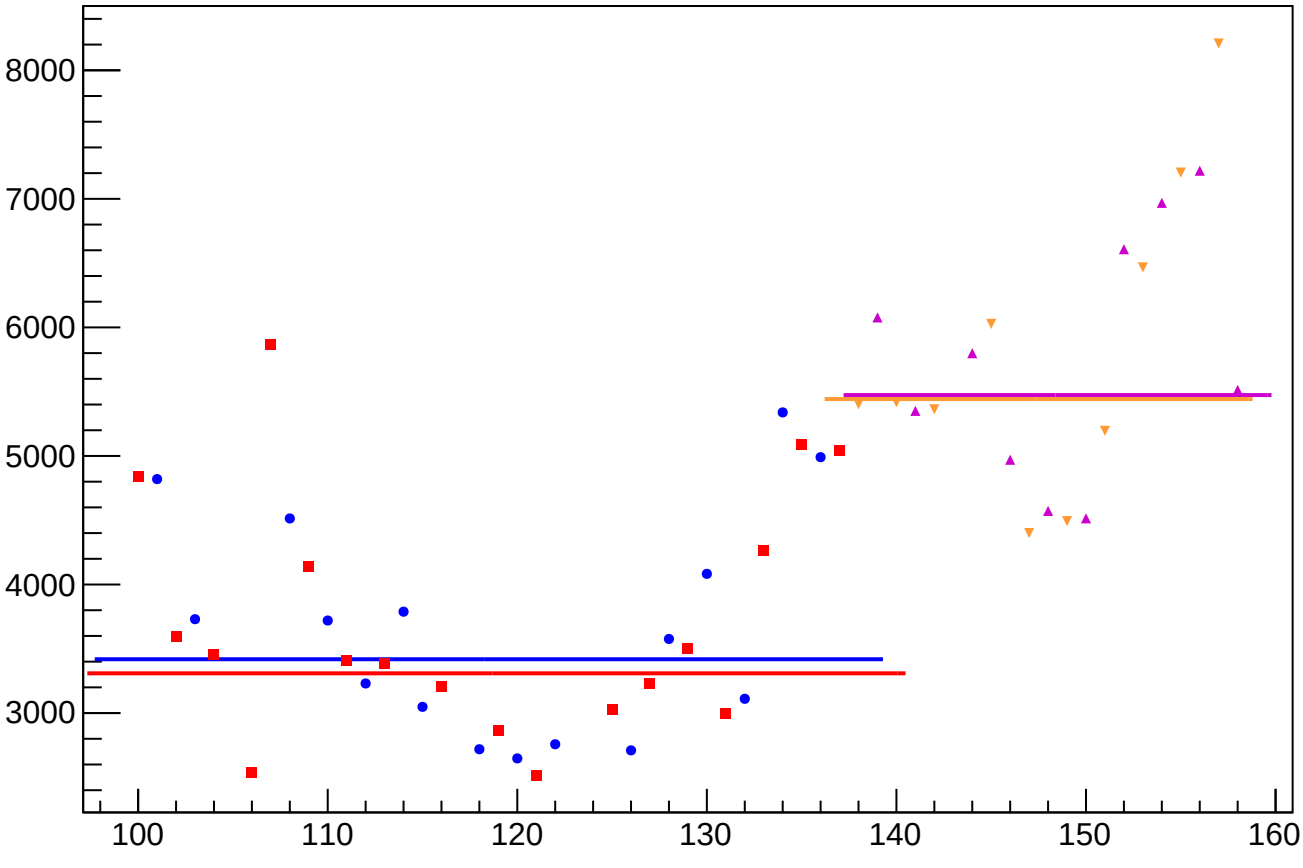
Left: 808.580+/-1365.027 χ^2/NDF: 19.0/19

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: 113.465+/-1074.274 χ^2/NDF:20.5/25

Out: 586.294+/-1056.343 χ^2/NDF:34.0/27

All: 353.859+/-753.207 χ^2/NDF: 54.6/53



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5442.736+/-1.403 χ^2/NDF:509920.6/9

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5473.600+/-1.330 χ^2/NDF:414564.4/9

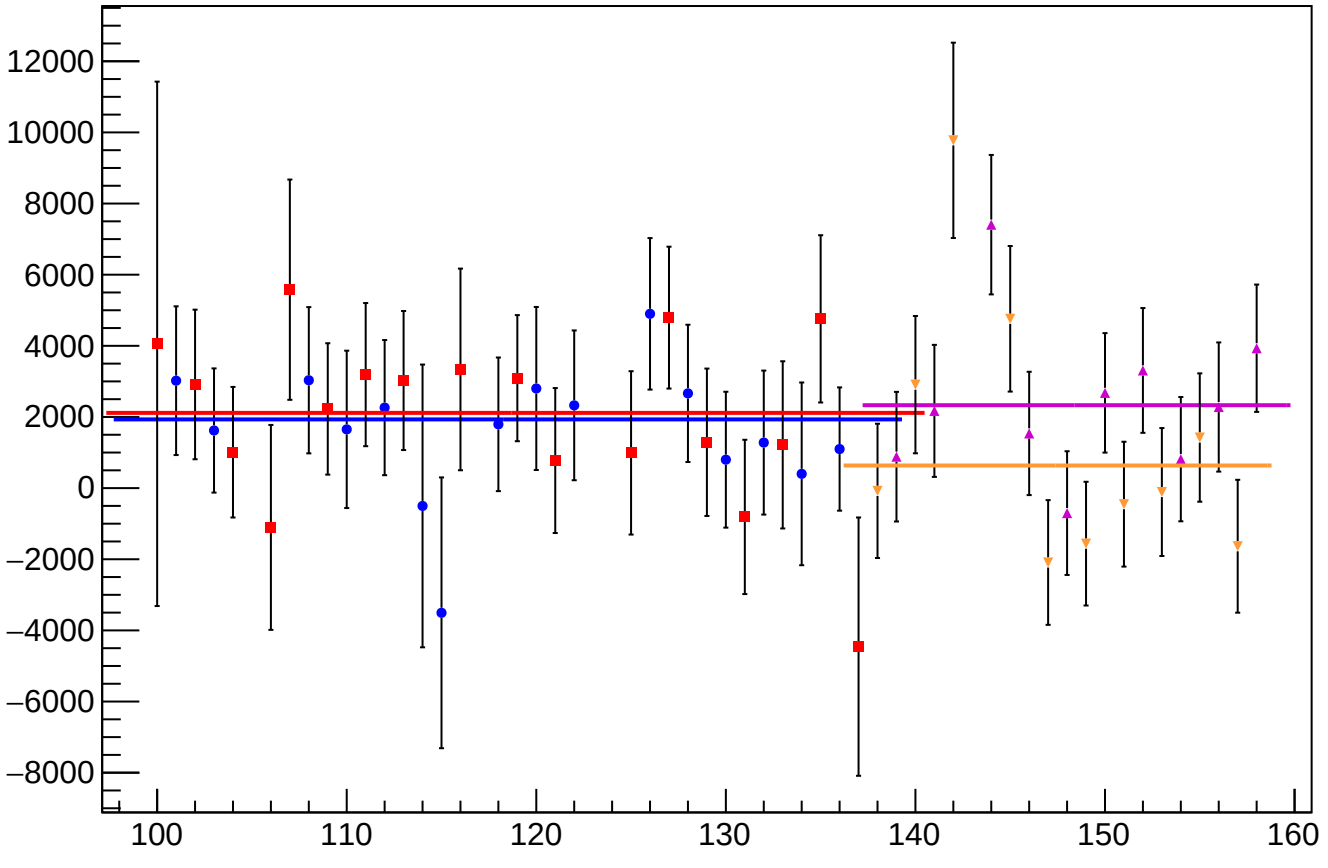
Left: 5458.989+/-0.965 χ^2/NDF: 924739.9/19

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4088.931+/-0.760 χ^2/NDF:2744089.3/25

Out: 3913.991+/-0.747 χ^2/NDF:2739245.9/27

All: 3999.988+/-0.533 χ^2/NDF: 5510299.9/53



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 636.142+/-597.143 χ^2/NDF:22.9/9

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2330.799+/-564.494 χ^2/NDF:12.5/9

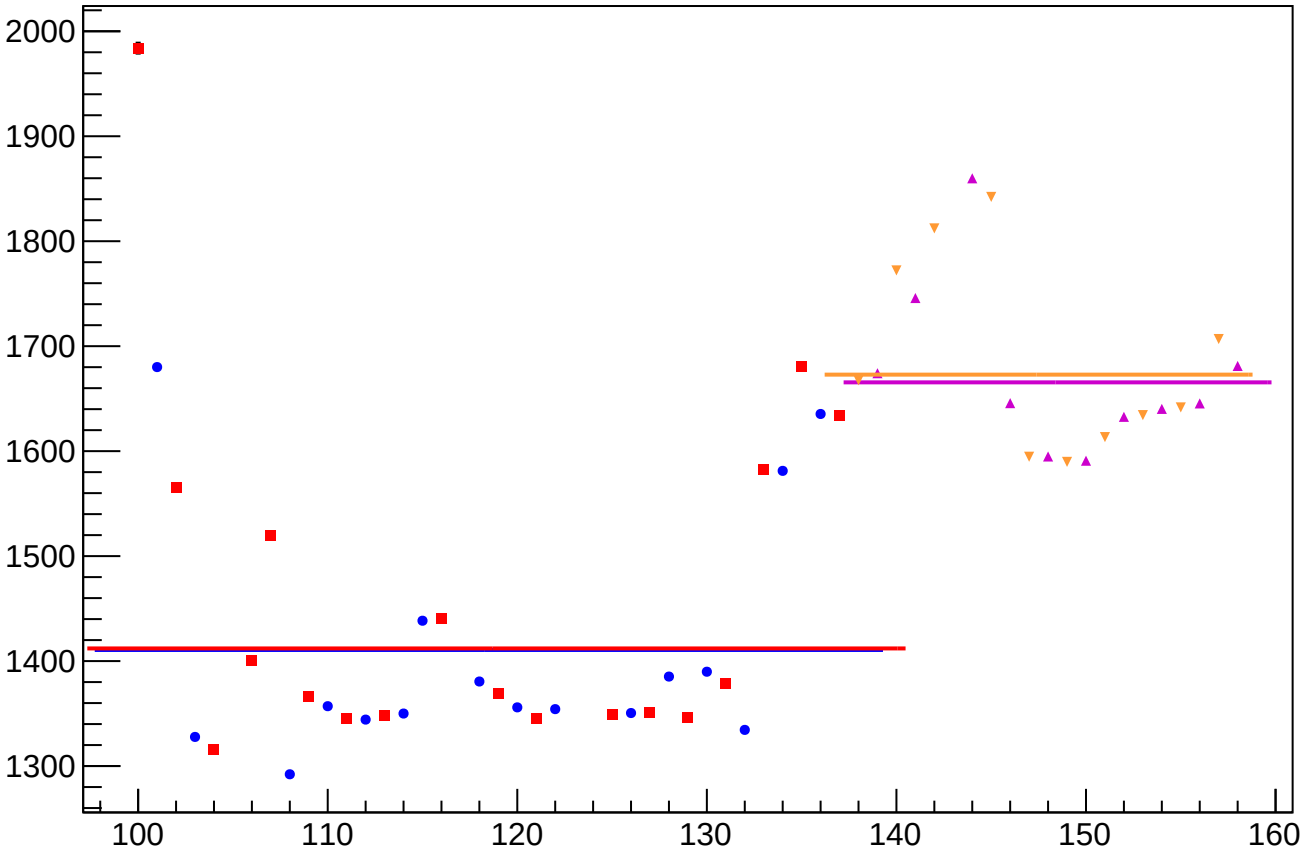
Left: 1531.063+/-410.214 χ^2/NDF: 39.7/19

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2117.521+/-385.272 χ^2/NDF:19.1/25

Out: 1465.112+/-395.887 χ^2/NDF:39.6/27

All: 1800.180+/-276.105 χ^2/NDF: 60.1/53



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.890+/-0.422 χ^2/NDF:37183.1/9

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1665.529+/-0.399 χ^2/NDF:32487.1/9

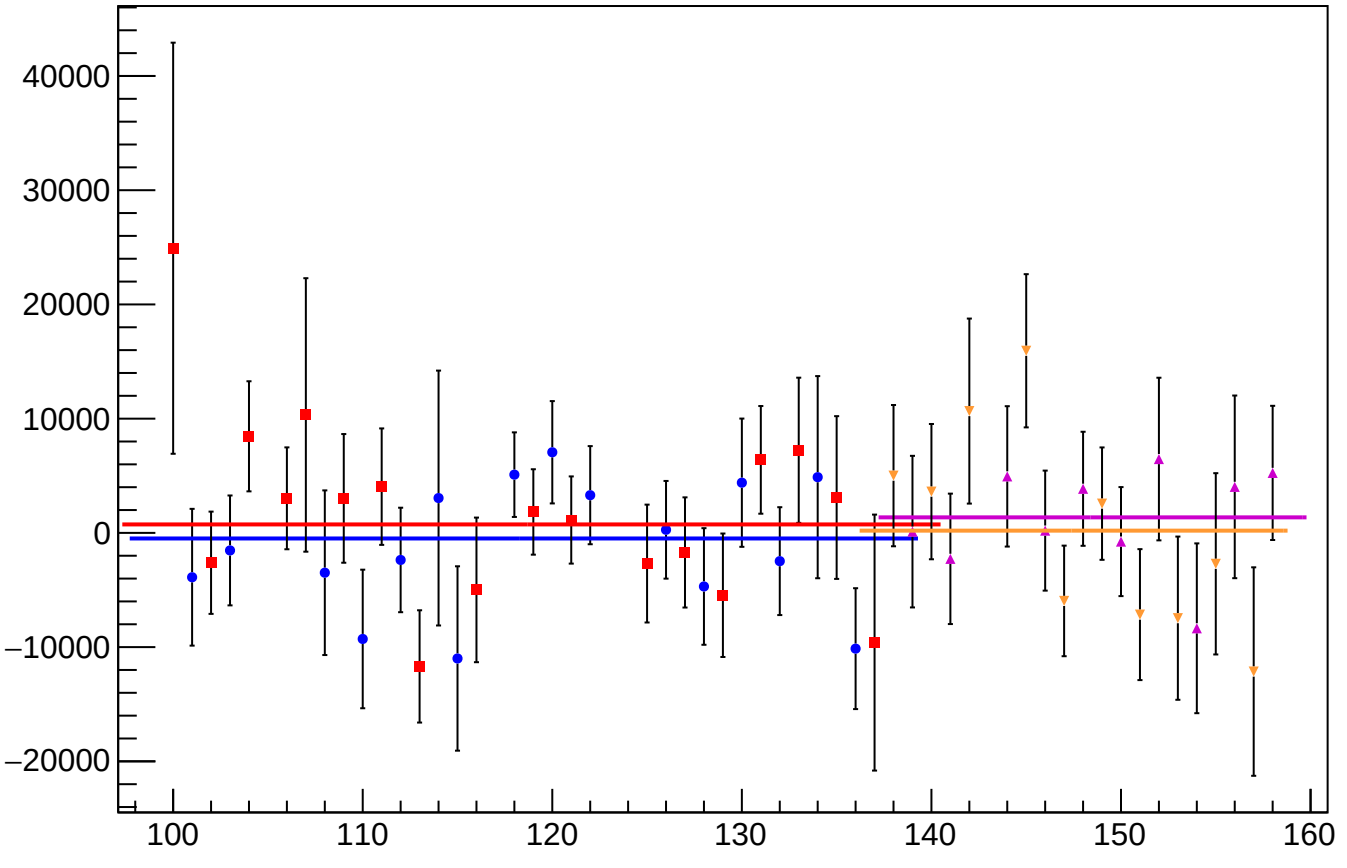
Left: 1669.003+/-0.290 χ^2/NDF: 69830.7/19

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1529.348+/-0.272 χ^2/NDF:349535.5/25

Out: 1526.352+/-0.280 χ^2/NDF:341277.5/27

All: 1527.888+/-0.195 χ^2/NDF: 690872.0/53



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 196.322+/-1983.948 χ^2/NDF:14.7/9

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1358.969+/-1881.045 χ^2/NDF:4.1/9

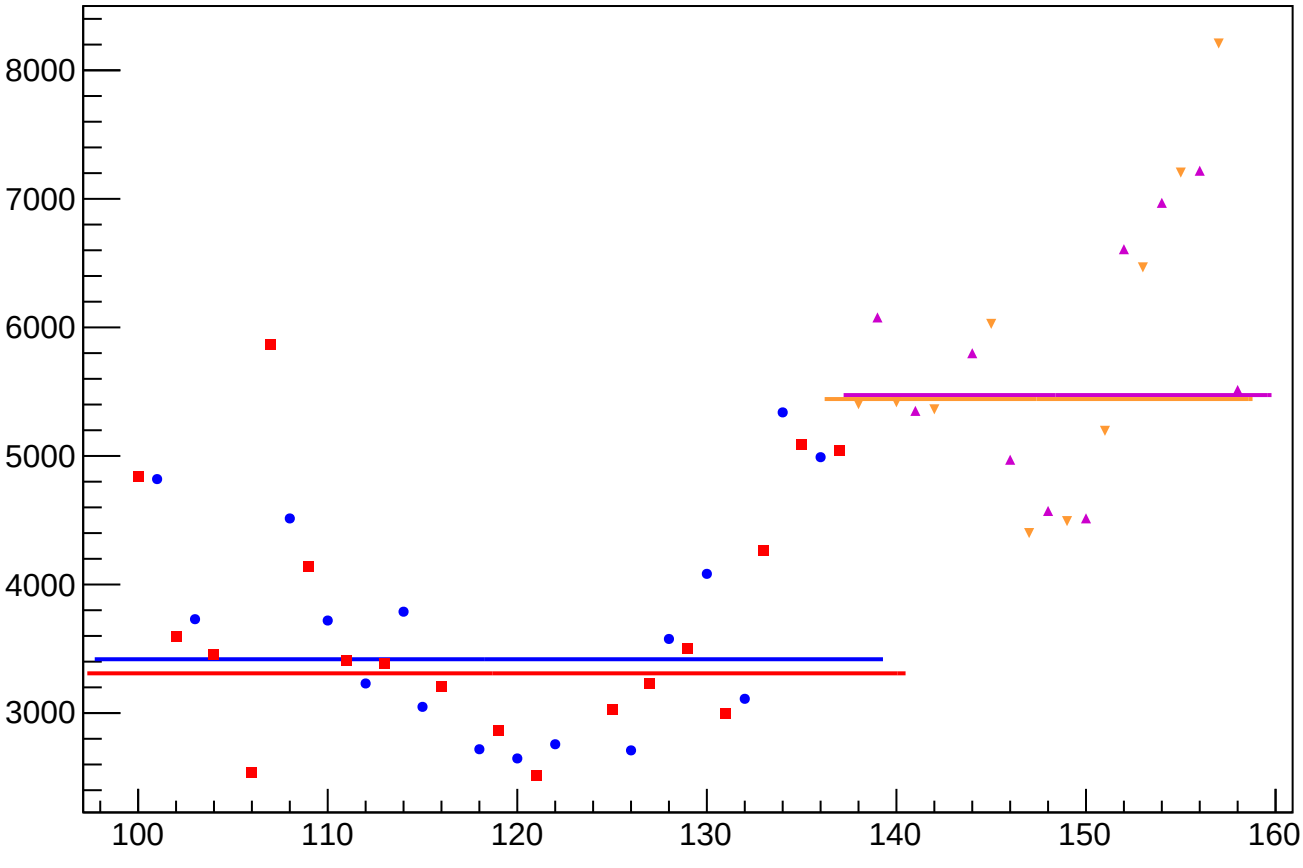
Left: 808.578+/-1365.029 χ^2/NDF: 19.0/19

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 113.467+/-1074.272 χ^2/NDF:20.5/25

Out: 586.295+/-1056.341 χ^2/NDF:34.0/27

All: 353.860+/-753.206 χ^2/NDF: 54.6/53



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5442.742+/-1.403 χ^2/NDF:509923.3/9

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5473.607+/-1.330 χ^2/NDF:414566.9/9

Left: 5458.996+/-0.965 χ^2/NDF: 924745.1/19

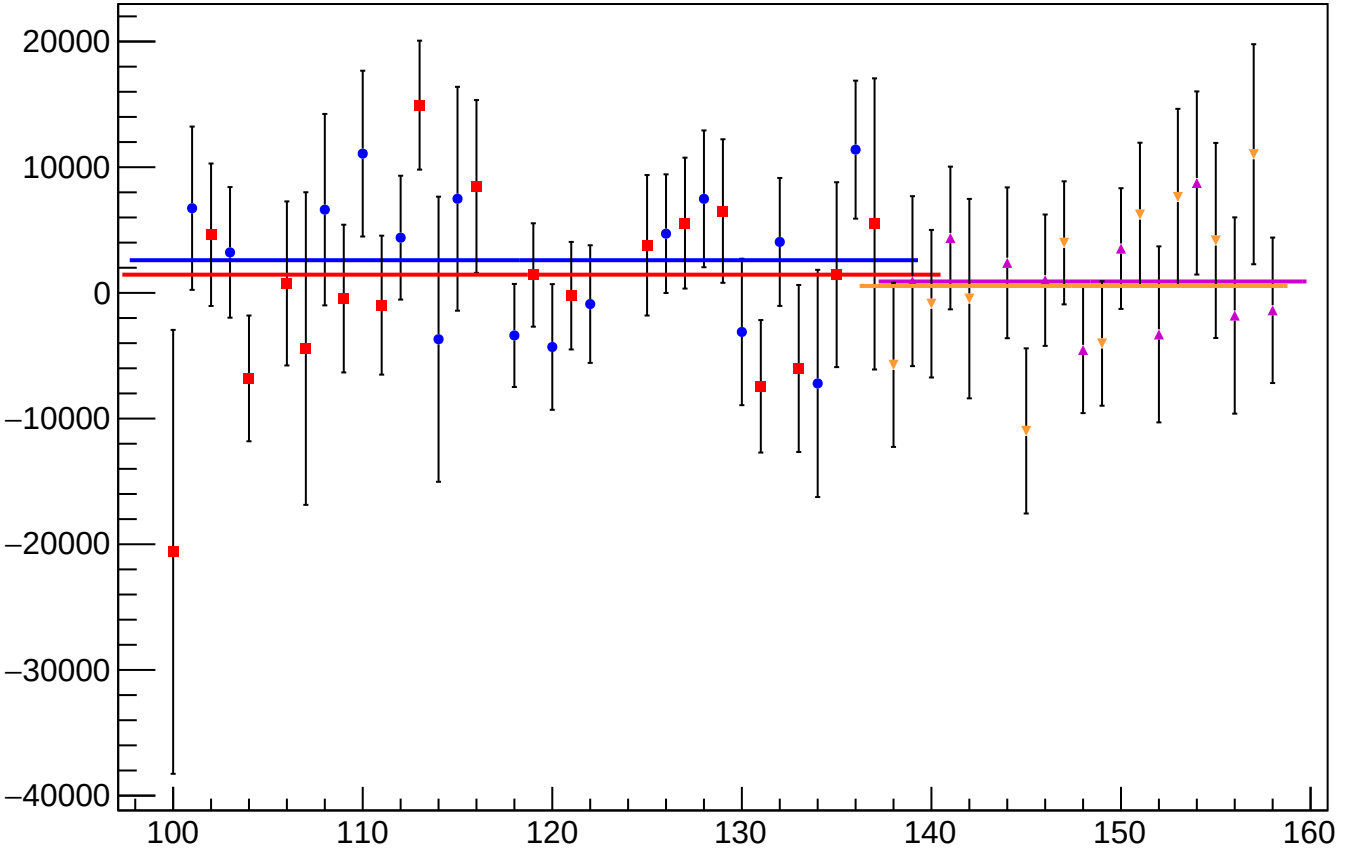
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4088.921+/-0.760 χ^2/NDF:2744128.7/25

Out: 3913.982+/-0.747 χ^2/NDF:2739277.8/27

All: 3999.979+/-0.533 χ^2/NDF: 5510371.2/53

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 550.293+/-1982.004 χ^2/NDF:9.1/9

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 908.327+/-1870.874 χ^2/NDF:3.7/9

Left: 739.628+/-1360.499 χ^2/NDF: 12.8/19

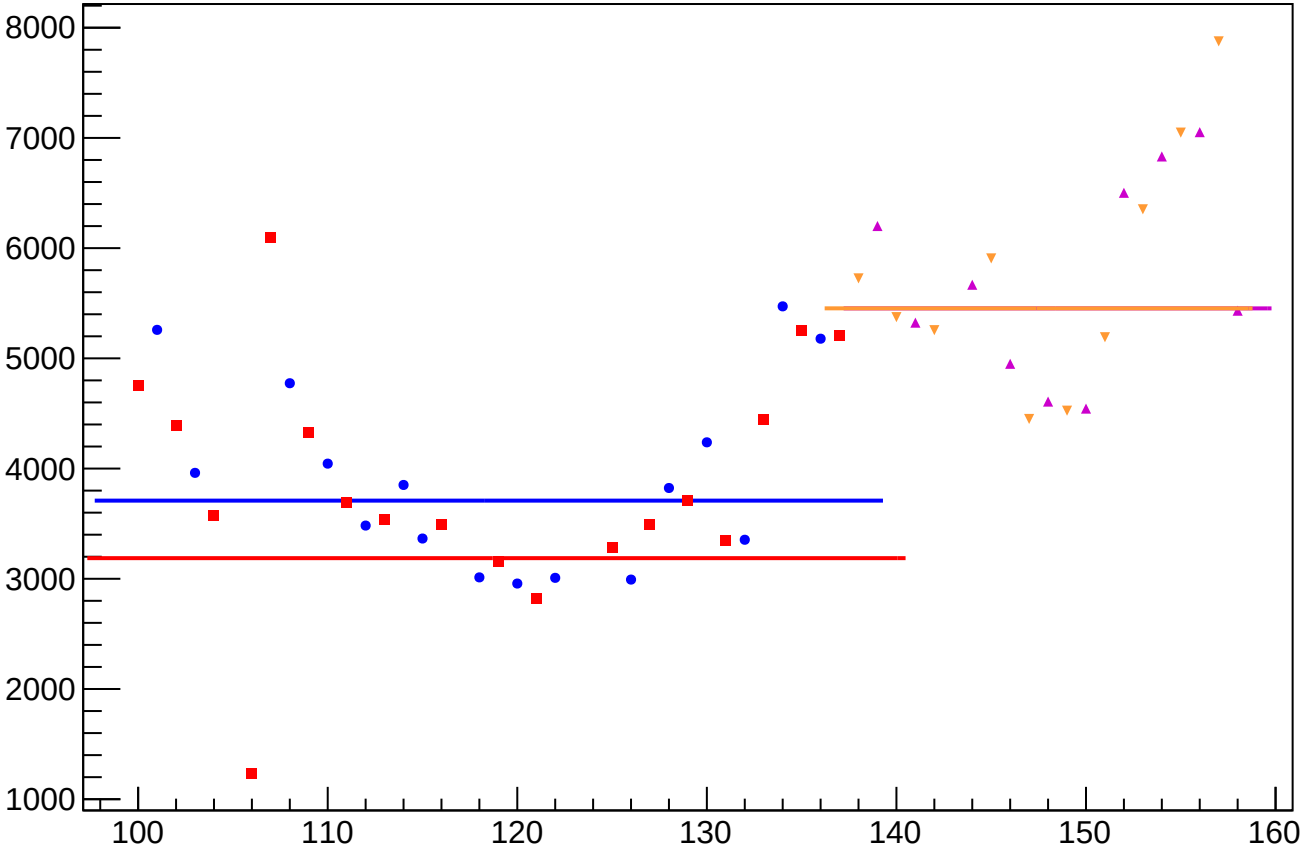
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1984.466+/-1128.307 χ^2/NDF:17.7/25

Out: 1155.718+/-1134.080 χ^2/NDF:28.3/27

All: 1572.207+/-799.867 χ^2/NDF: 46.2/53

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5453.766+/-1.401 χ^2/NDF:443541.7/9

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5453.344+/-1.323 χ^2/NDF:375141.6/9

Left: 5453.542+/-0.962 χ^2/NDF: 818683.3/19

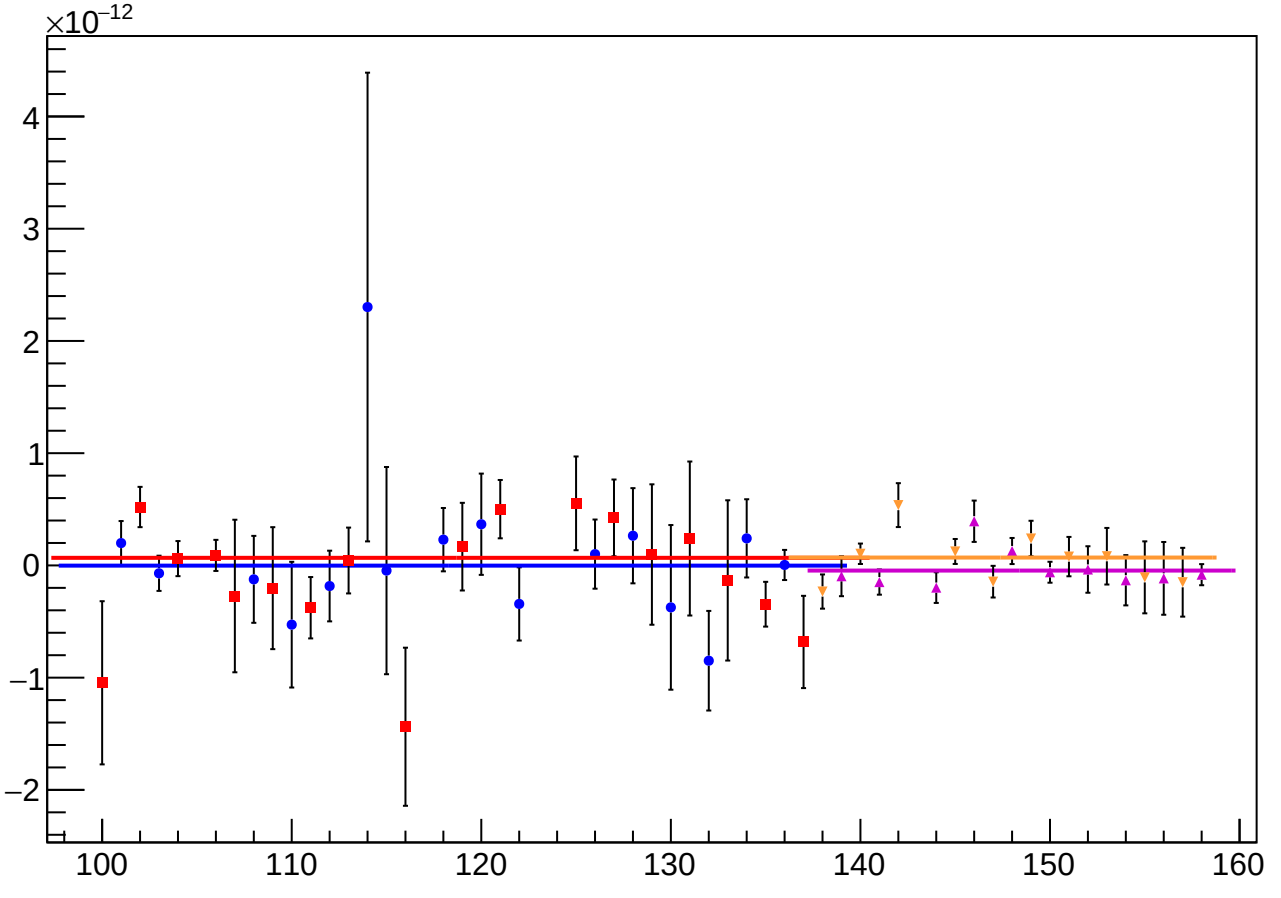
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4343.547+/-0.798 χ^2/NDF:2091837.8/25

Out: 3844.365+/-0.755 χ^2/NDF:3911543.1/27

All: 4080.082+/-0.548 χ^2/NDF: 6209994.2/53

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/9

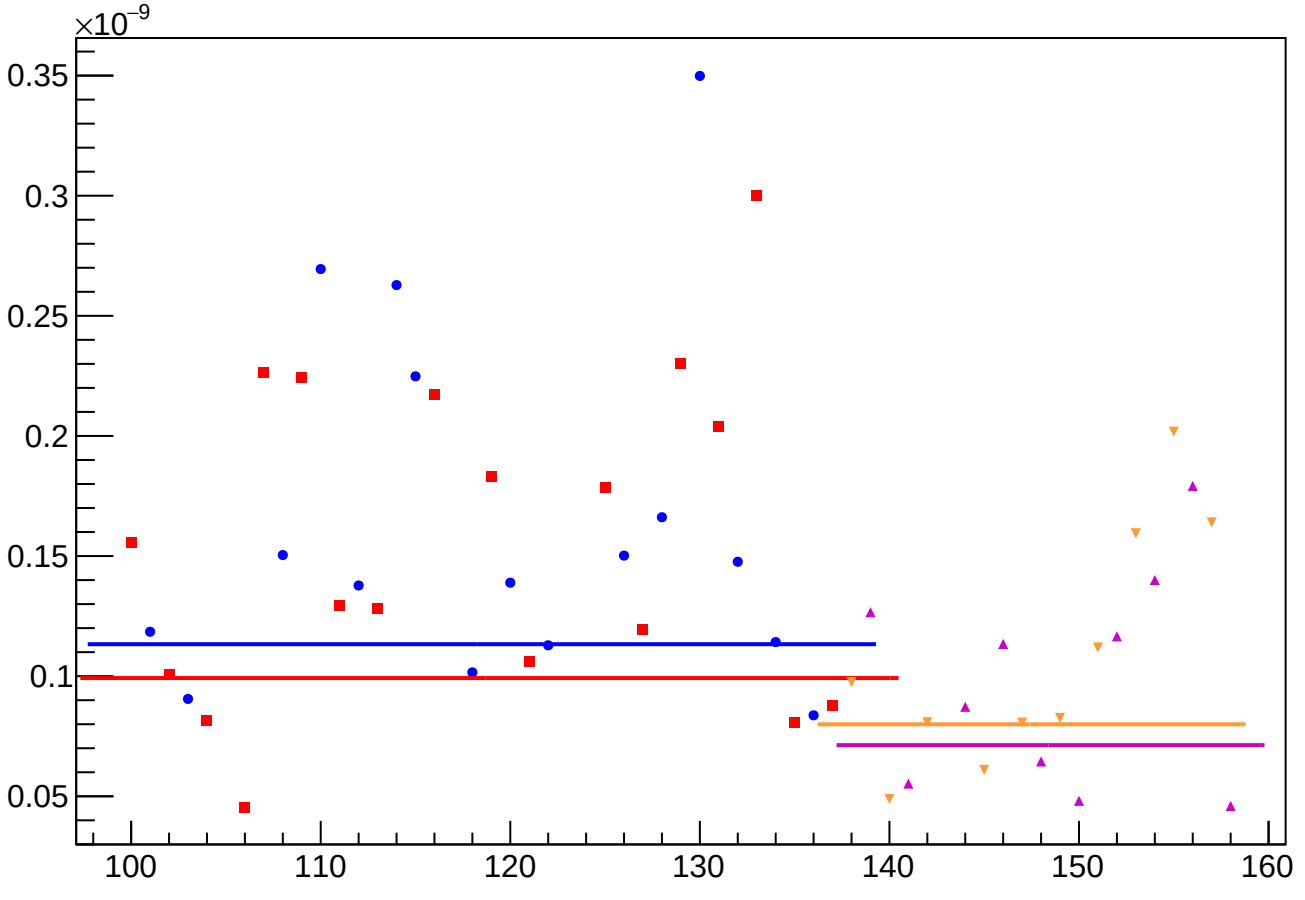
Left: 0.000+/-0.000 χ^2/NDF: 28.0/19

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:21.9/25

Out: 0.000+/-0.000 χ^2/NDF:43.8/27

All: 0.000+/-0.000 χ^2/NDF: 69.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022864.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1147245.0/9

Left: 0.000+/-0.000 χ^2/NDF: 2206337.1/19

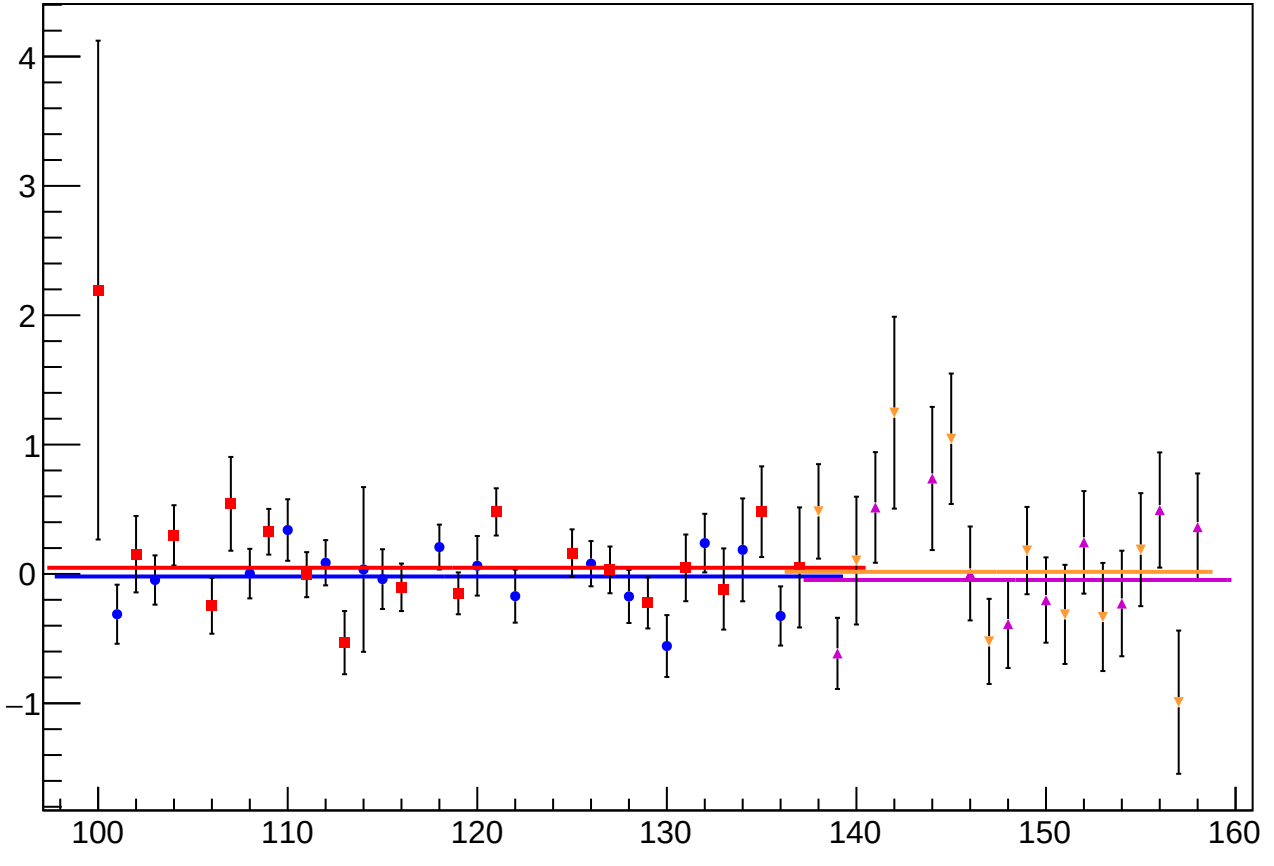
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:2323502.2/25

Out: 0.000+/-0.000 χ^2/NDF:2235310.0/27

All: 0.000+/-0.000 χ^2/NDF: 4570811.2/53

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.016+/-0.133 χ^2/NDF:16.4/9

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.047+/-0.119 χ^2/NDF:12.4/9

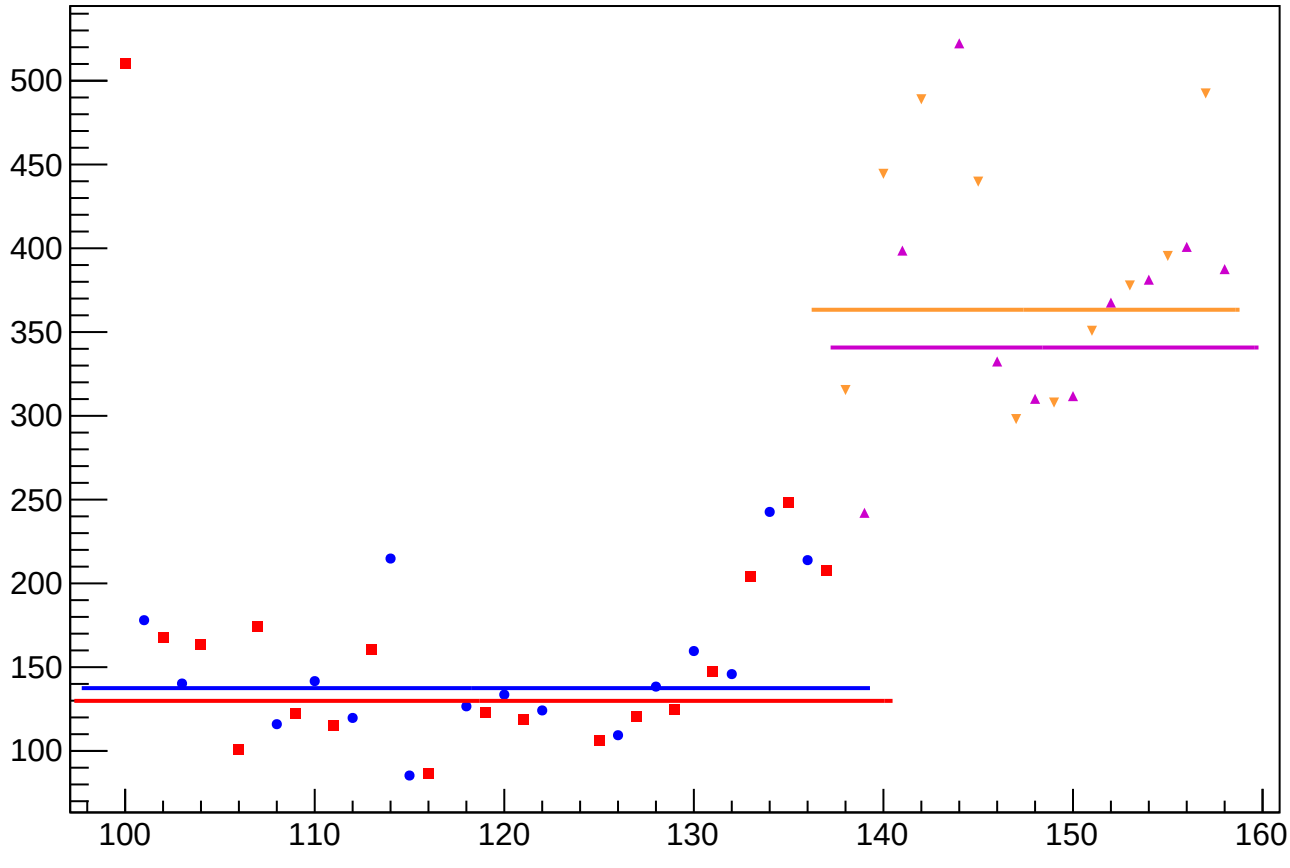
Left: -0.019+/-0.089 χ^2/NDF: 28.9/19

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:28.5/25

Out: 0.043+/-0.049 χ^2/NDF:42.7/27

All: 0.010+/-0.035 χ^2/NDF: 72.2/53



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 363.315+/-0.094 χ^2/NDF:448345.2/9

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 340.775+/-0.084 χ^2/NDF:632270.2/9

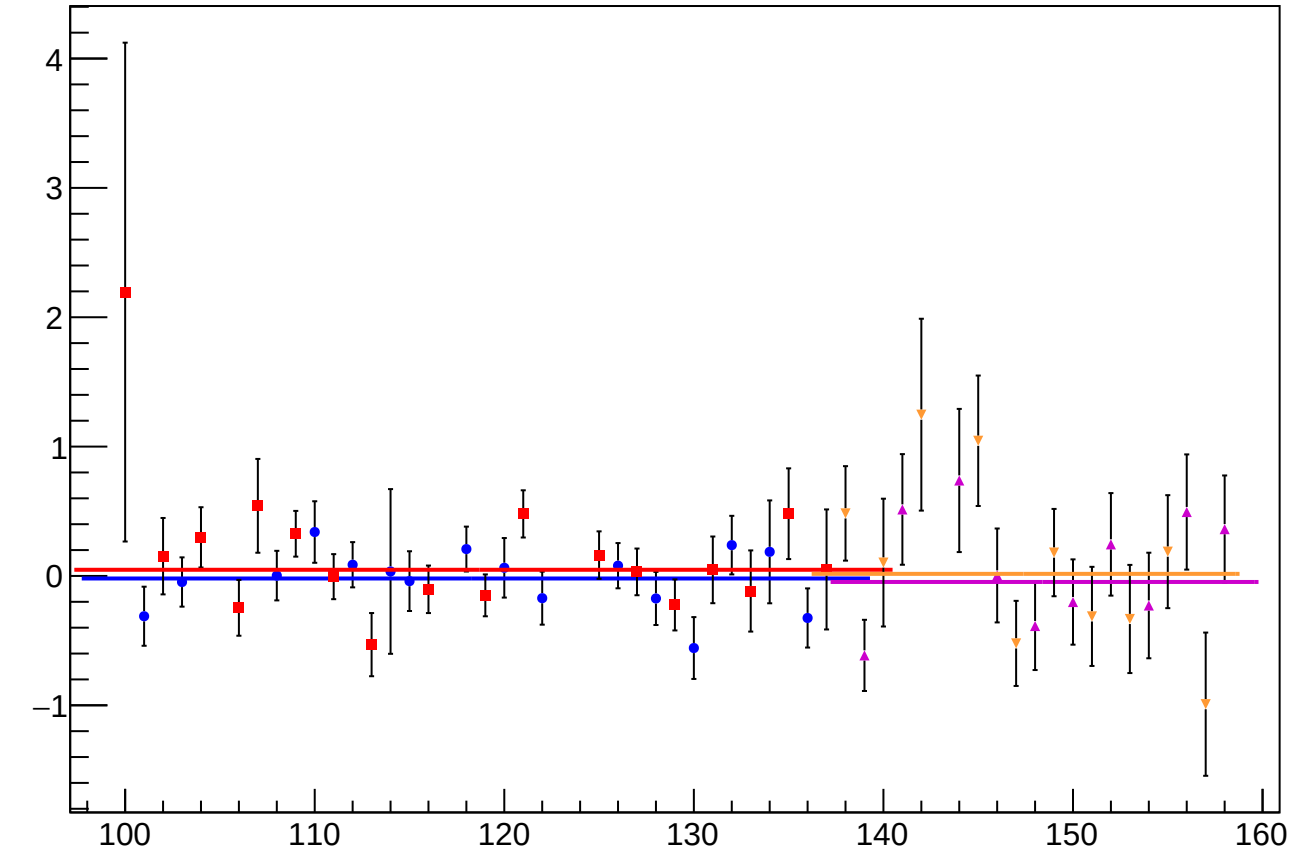
Left: 350.787+/-0.063 χ^2/NDF: 1112471.1/19

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 172.410+/-0.035 χ^2/NDF:6156777.4/25

Out: 161.287+/-0.035 χ^2/NDF:6602010.0/27

All: 166.793+/-0.025 χ^2/NDF: 12810142.0/53



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.016+/-0.133 χ^2/NDF:16.4/9

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.047+/-0.119 χ^2/NDF:12.4/9

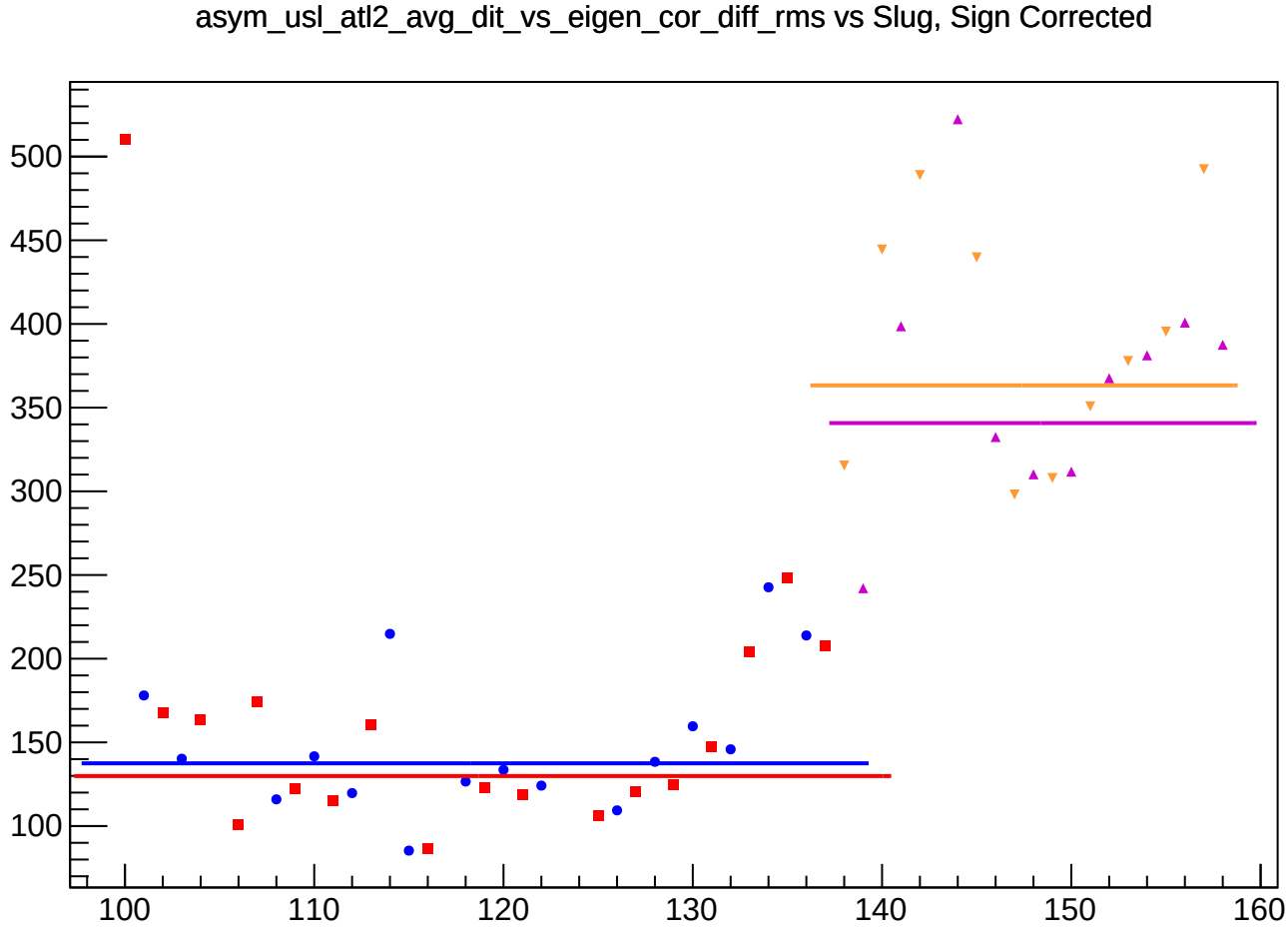
Left: -0.019+/-0.089 χ^2/NDF: 28.9/19

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:28.5/25

Out: 0.043+/-0.049 χ^2/NDF:42.7/27

All: 0.010+/-0.035 χ^2/NDF: 72.2/53


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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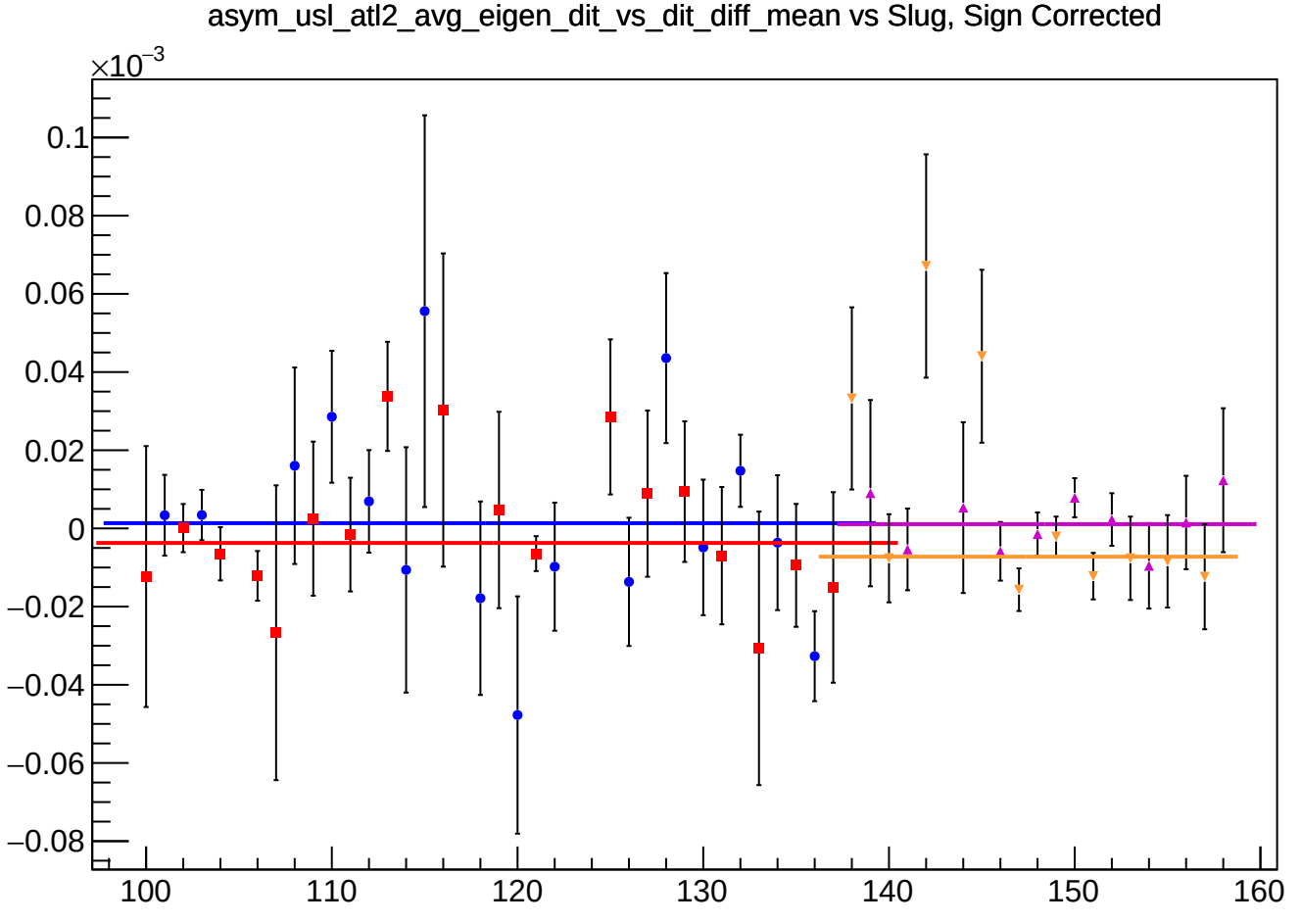
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 363.315+/-0.094 χ²/NDF:448345.2/9
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 340.775+/-0.084 χ²/NDF:632270.2/9
Left: 350.787+/-0.063 χ²/NDF: 1112471.1/19
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 172.410+/-0.035 χ²/NDF:6156777.4/25
Out: 161.287+/-0.035 χ²/NDF:6602010.0/27
All: 166.793+/-0.025 χ²/NDF: 12810142.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:4.8/9

Left: -0.000+/-0.000 χ^2/NDF: 29.0/19

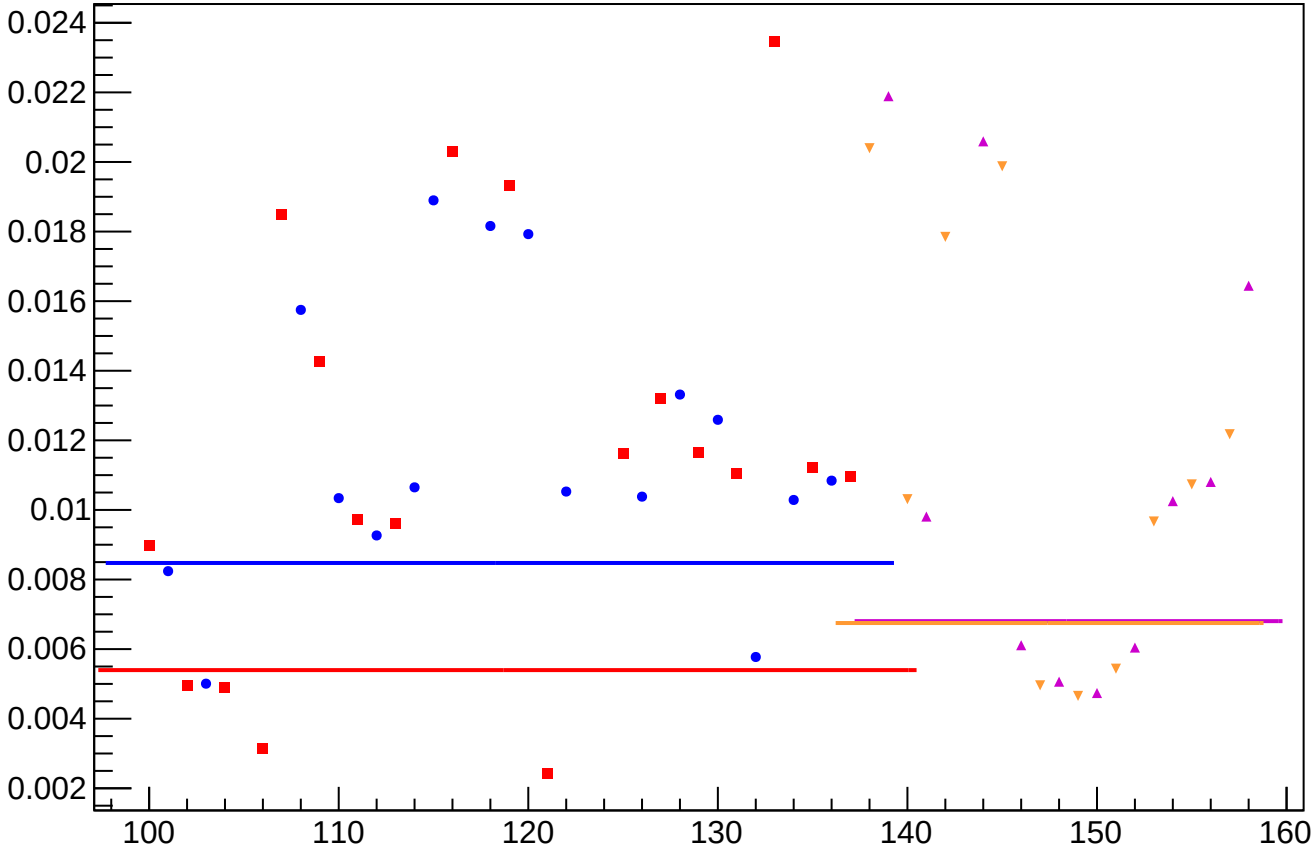
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:28.7/25

Out: -0.000+/-0.000 χ^2/NDF:36.1/27

All: -0.000+/-0.000 χ^2/NDF: 70.3/53

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:3246239.0/9

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:3316719.6/9

Left: 0.007+/-0.000 χ^2/NDF: 6563370.2/19

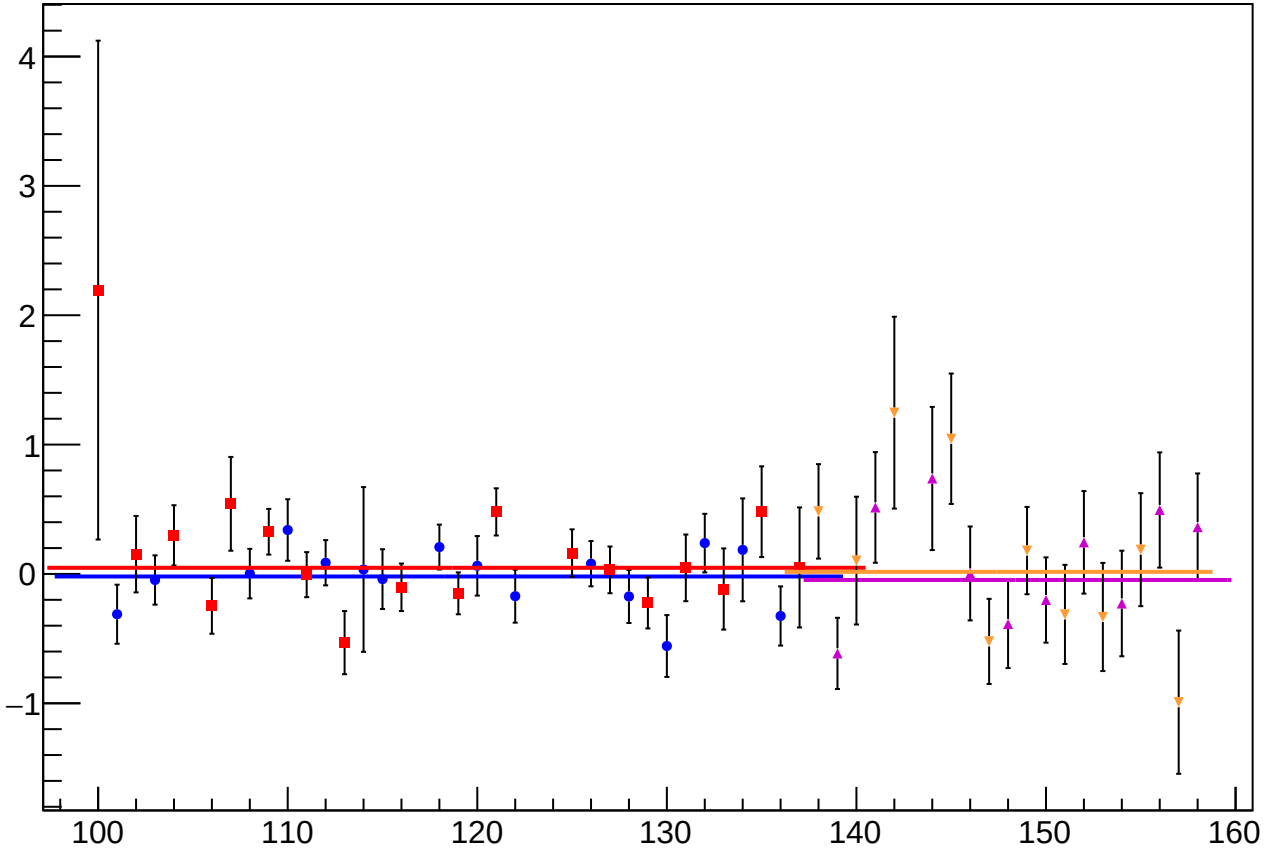
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:5539272.5/25

Out: 0.006+/-0.000 χ^2/NDF:8420629.3/27

All: 0.007+/-0.000 χ^2/NDF: 14460084.1/53

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.016+/-0.133 χ^2/NDF:16.4/9

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.047+/-0.119 χ^2/NDF:12.4/9

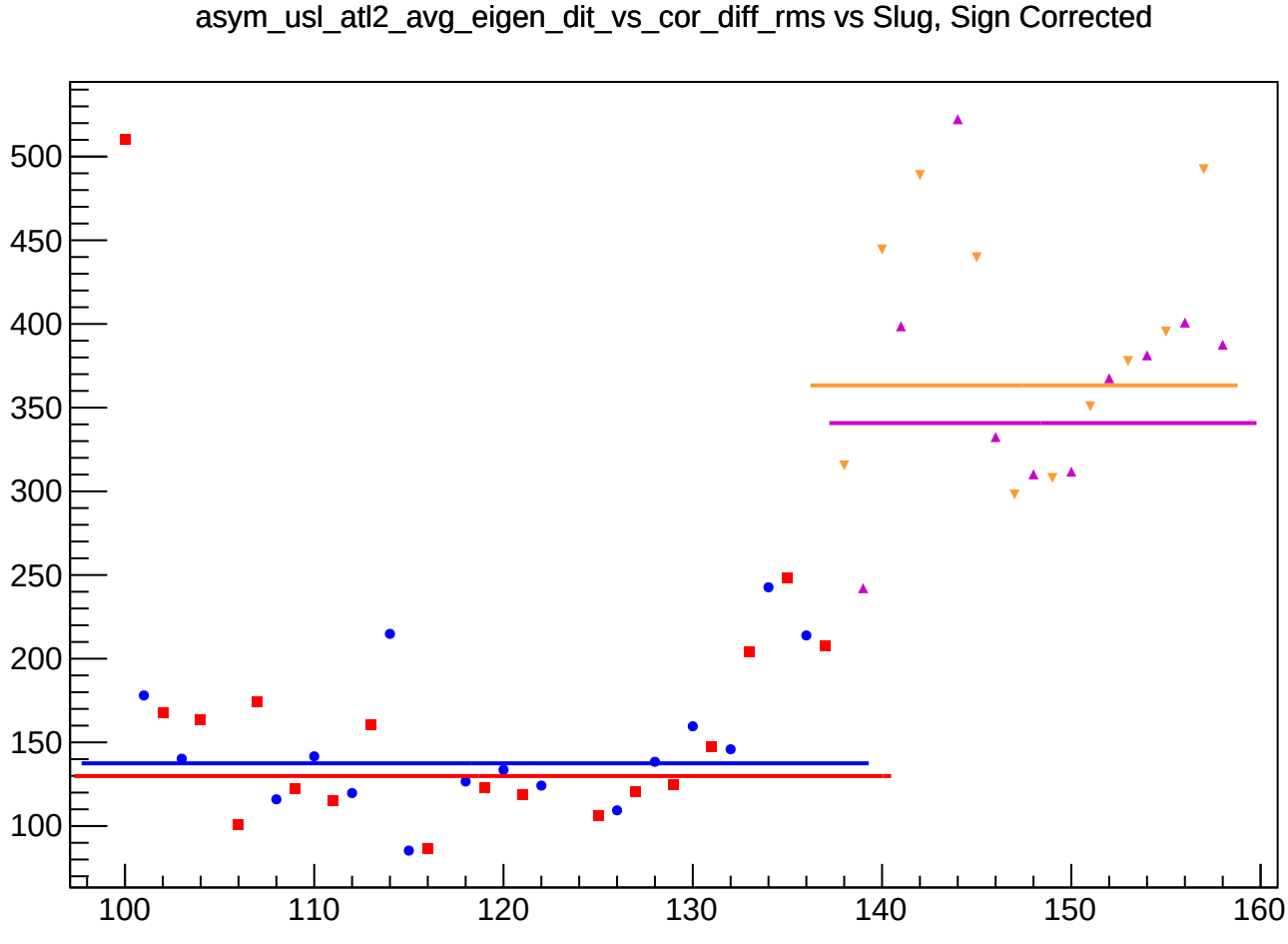
Left: -0.019+/-0.089 χ^2/NDF: 28.9/19

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:28.5/25

Out: 0.043+/-0.049 χ^2/NDF:42.7/27

All: 0.010+/-0.035 χ^2/NDF: 72.2/53


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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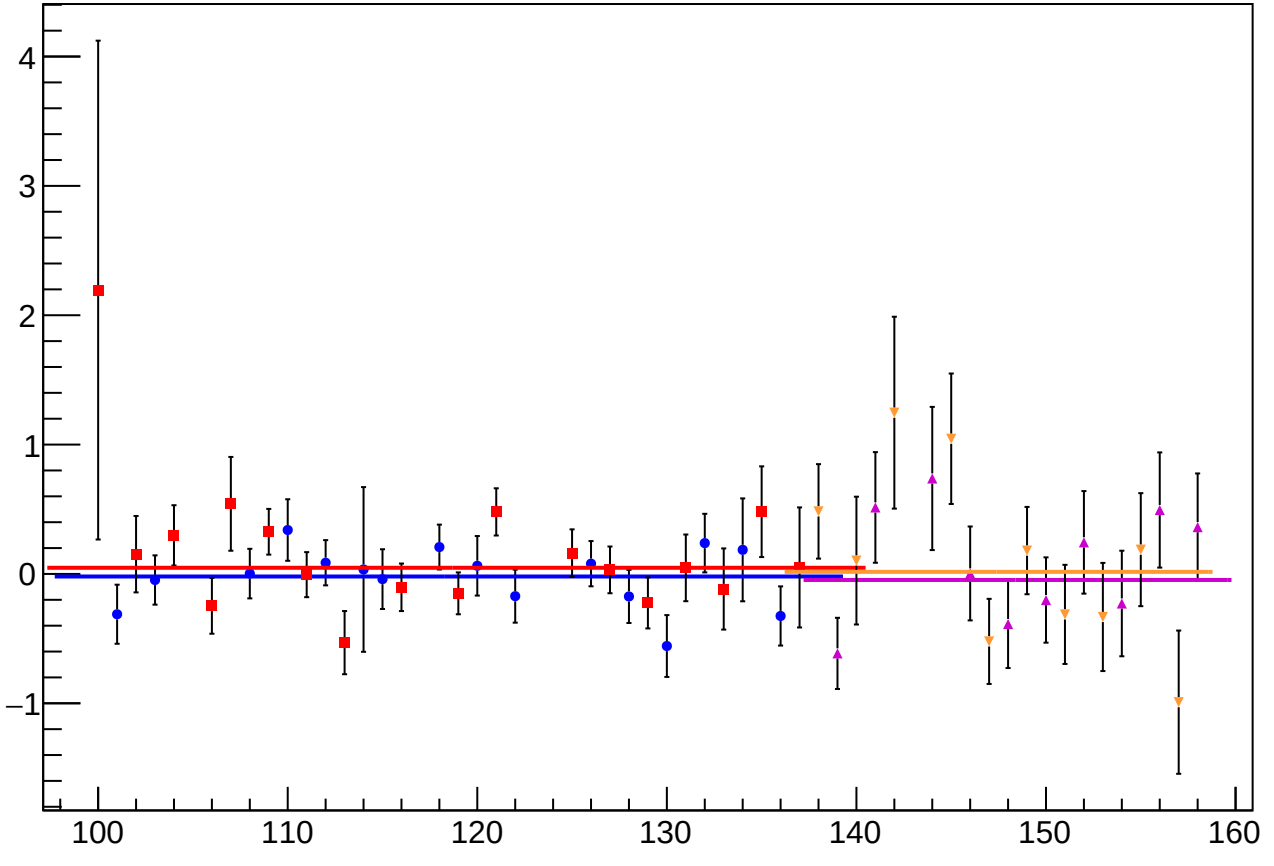
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 363.319+/-0.094 χ²/NDF:448386.7/9
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 340.780+/-0.084 χ²/NDF:632260.2/9
Left: 350.791+/-0.063 χ²/NDF: 1112497.5/19
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 172.410+/-0.035 χ²/NDF:6156878.2/25
Out: 161.287+/-0.035 χ²/NDF:6602072.2/27
All: 166.792+/-0.025 χ²/NDF: 12810304.9/53

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: 0.016+/-0.133 χ^2/NDF:16.4/9

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.047+/-0.119 χ^2/NDF:12.4/9

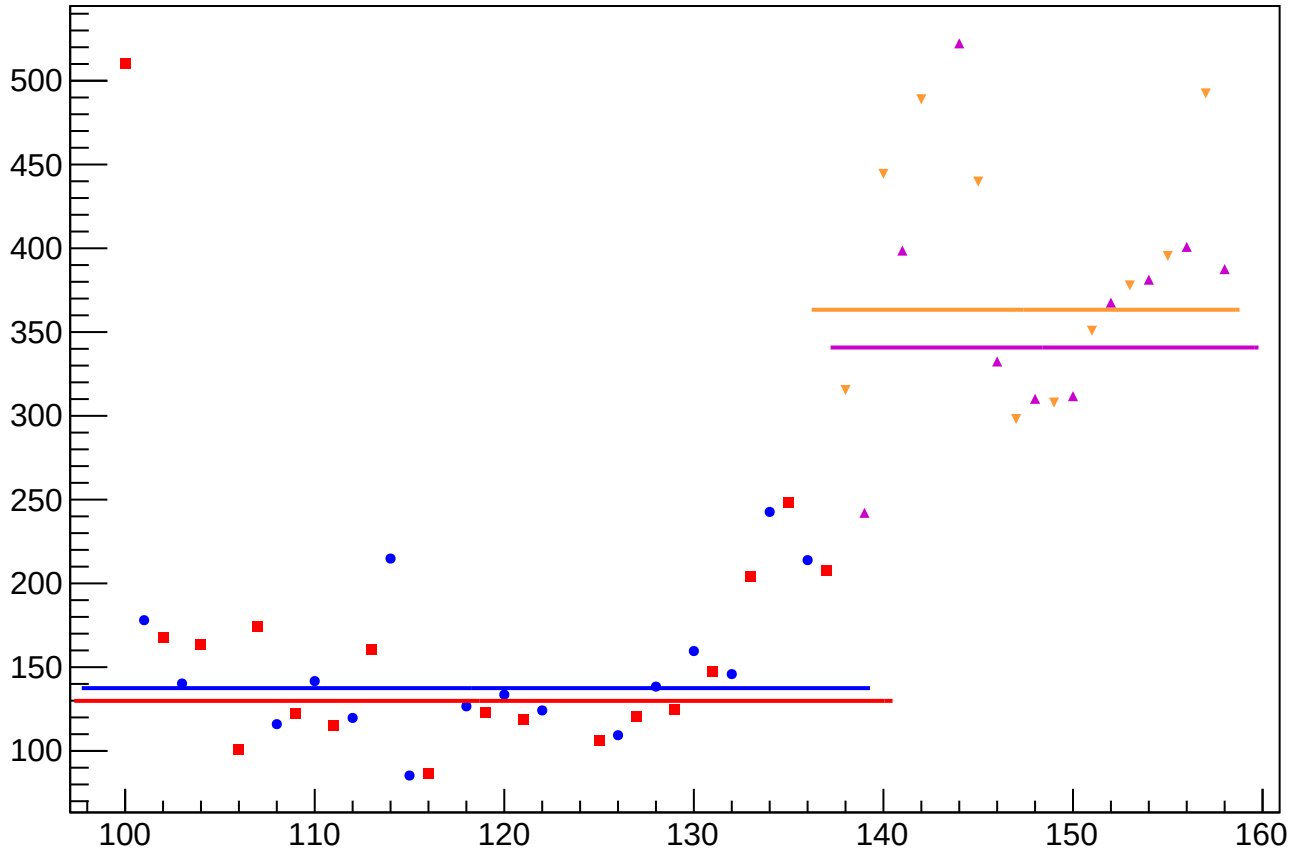
Left: -0.019+/-0.089 χ^2/NDF: 28.9/19

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:28.5/25

Out: 0.043+/-0.049 χ^2/NDF:42.7/27

All: 0.010+/-0.035 χ^2/NDF: 72.2/53



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 363.319+/-0.094 χ^2/NDF:448386.7/9

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 340.780+/-0.084 χ^2/NDF:632260.2/9

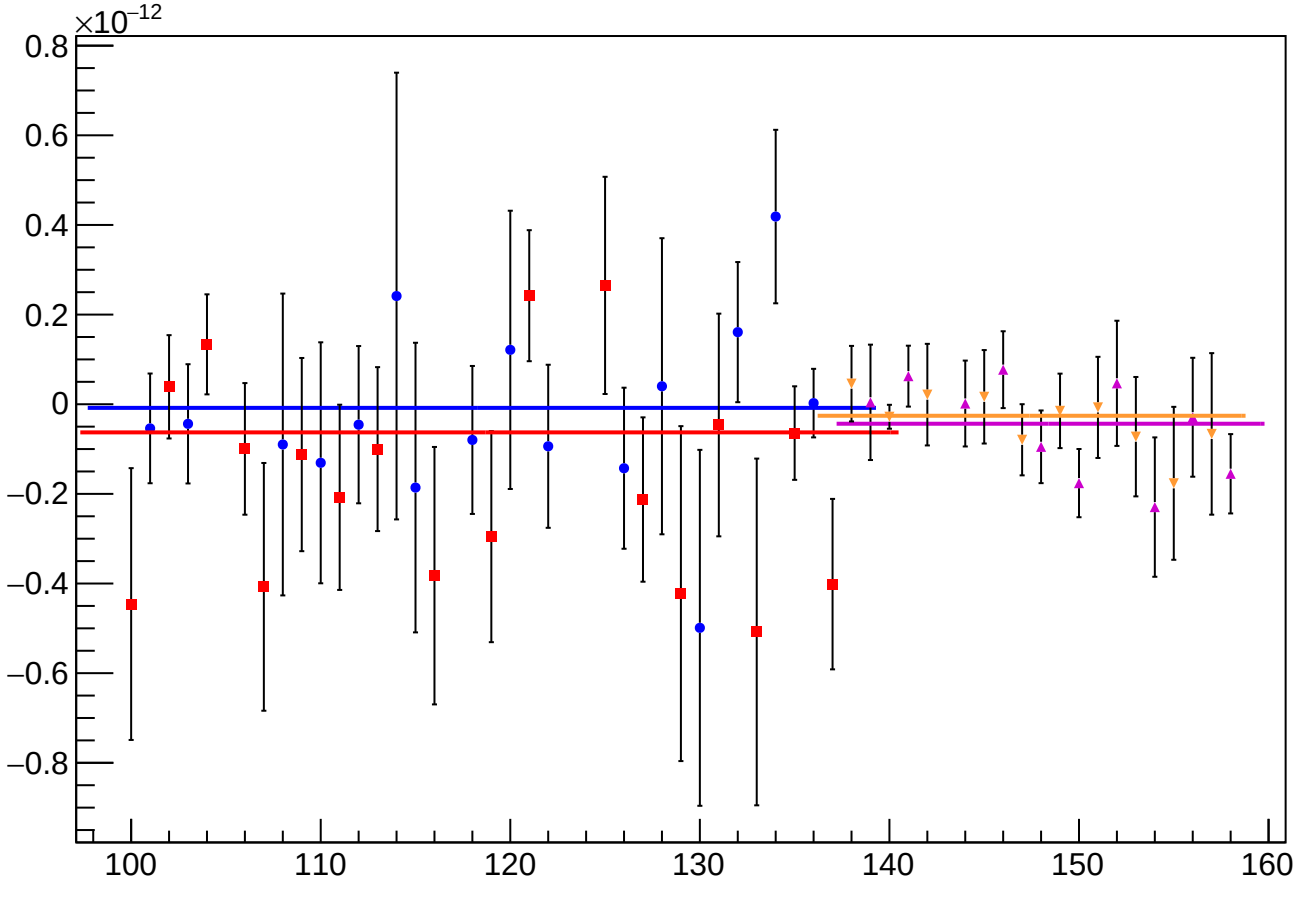
Left: 350.791+/-0.063 χ^2/NDF: 1112497.5/19

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 172.410+/-0.035 χ^2/NDF:6156878.2/25

Out: 161.287+/-0.035 χ^2/NDF:6602072.2/27

All: 166.792+/-0.025 χ^2/NDF: 12810304.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:11.7/9

Left: -0.000+/-0.000 χ^2/NDF: 14.4/19

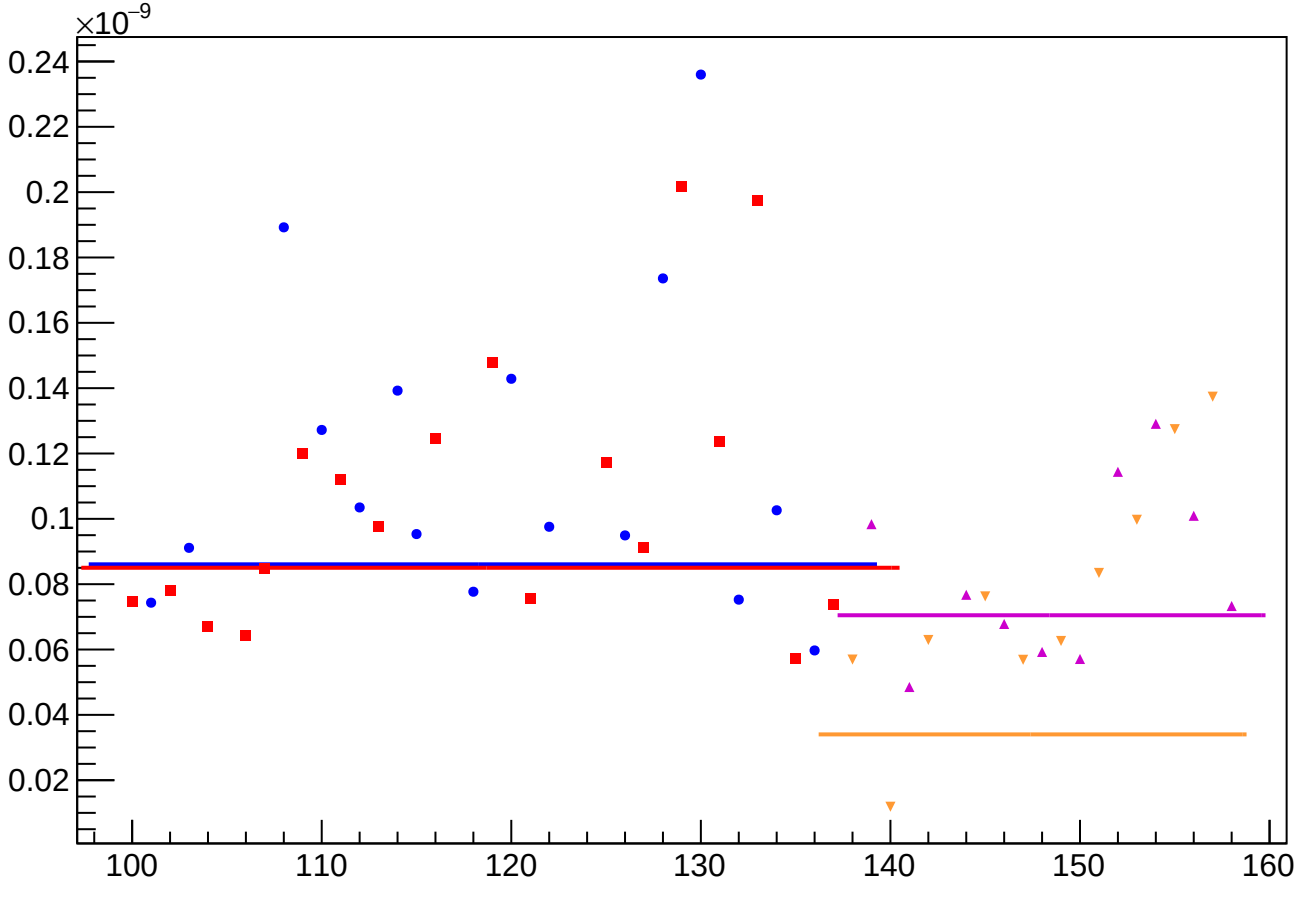
Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:22.0/25

Out: -0.000+/-0.000 χ^2/NDF:25.3/27

All: -0.000+/-0.000 χ^2/NDF: 47.3/53

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4514584.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1002708.3/9

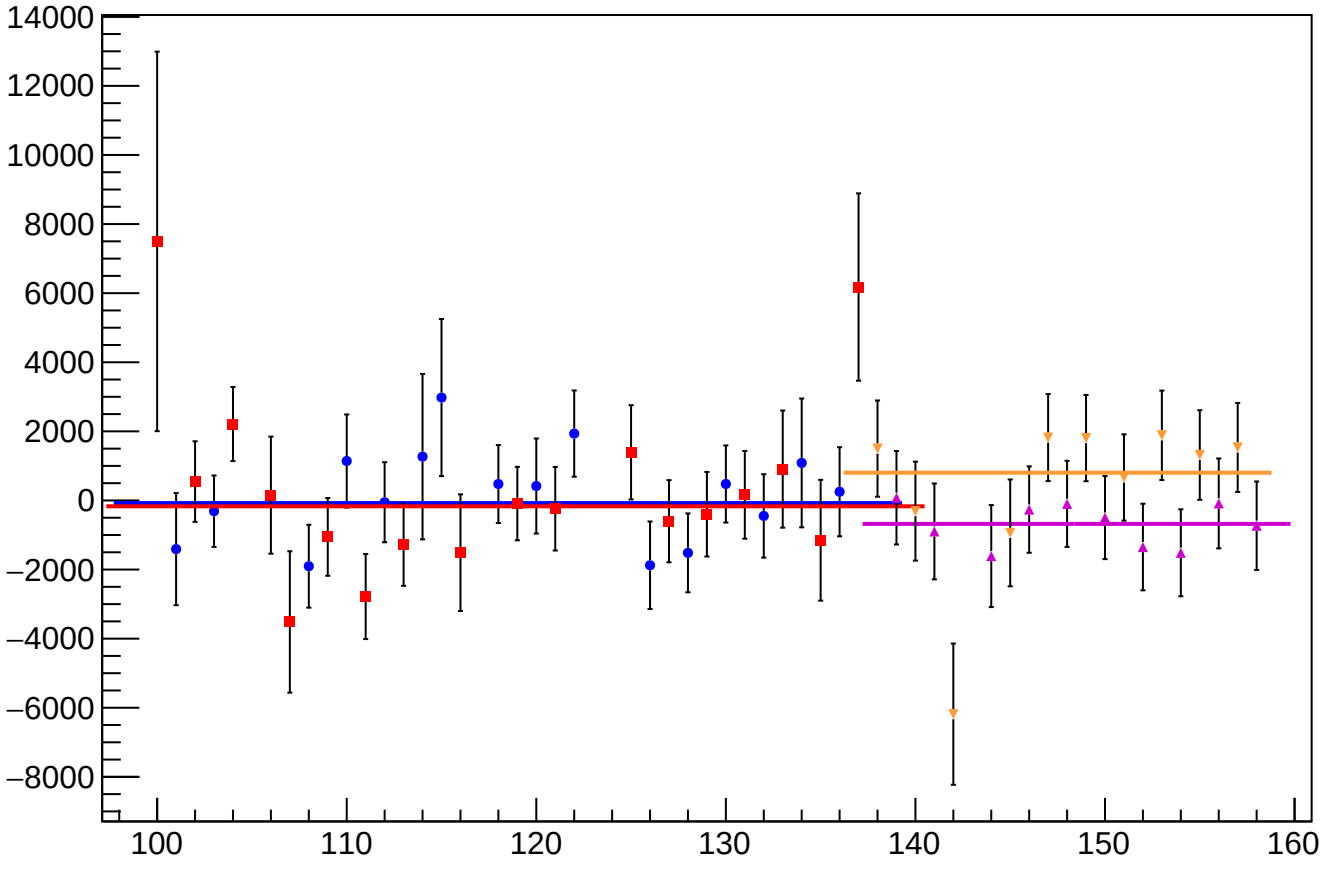
Left: 0.000+/-0.000 χ^2/NDF: 7501807.4/19

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2255164.8/25

Out: 0.000+/-0.000 χ^2/NDF:7870909.8/27

All: 0.000+/-0.000 χ^2/NDF: 12158657.7/53



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 803.527+/-431.675 χ^2/NDF:16.3/9

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -678.327+/-409.297 χ^2/NDF:2.0/9

Left: 23.197+/-297.013 χ^2/NDF: 24.5/19

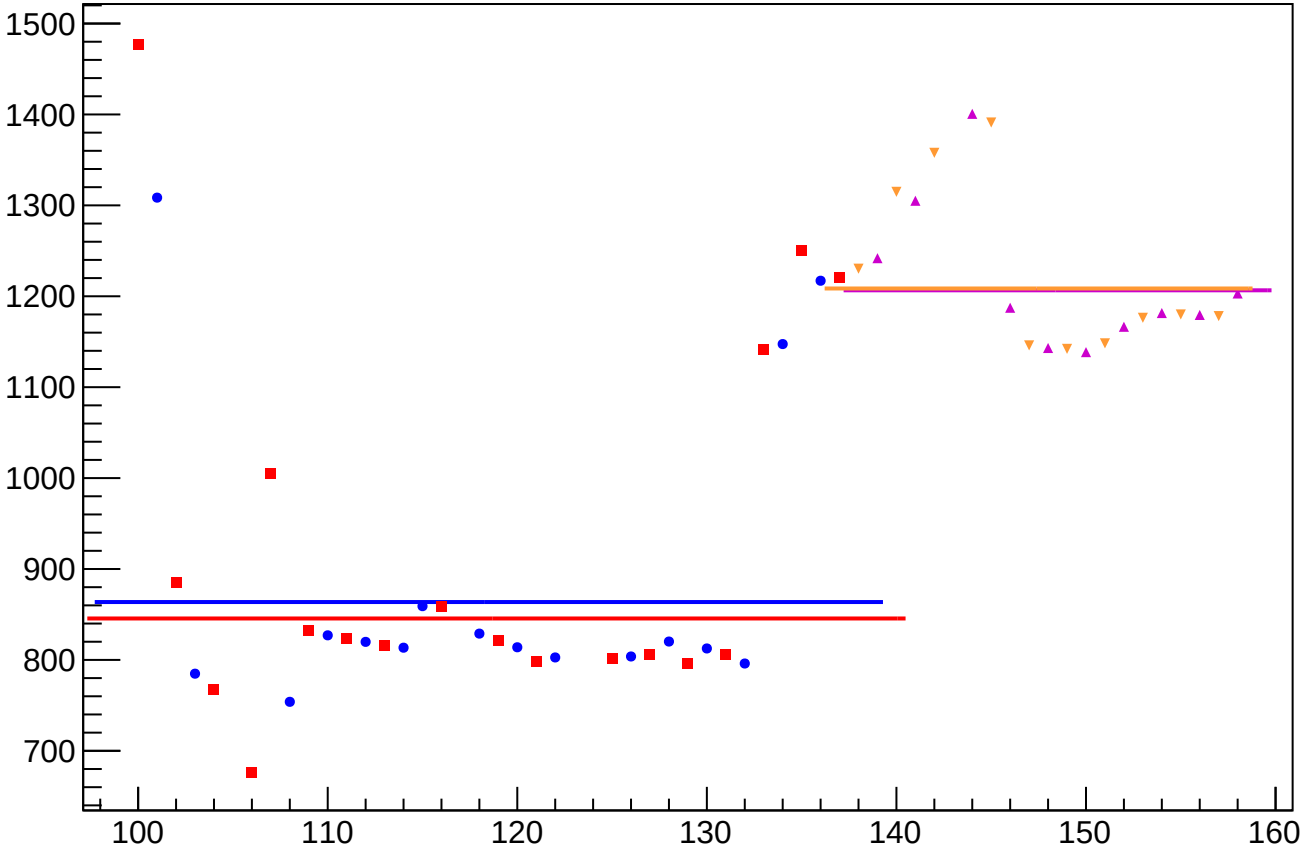
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -309.959+/-255.108 χ^2/NDF:16.7/25

Out: 178.214+/-258.014 χ^2/NDF:43.9/27

All: -68.637+/-181.407 χ^2/NDF: 62.4/53

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1208.566+/-0.305 χ^2/NDF:68647.1/9

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

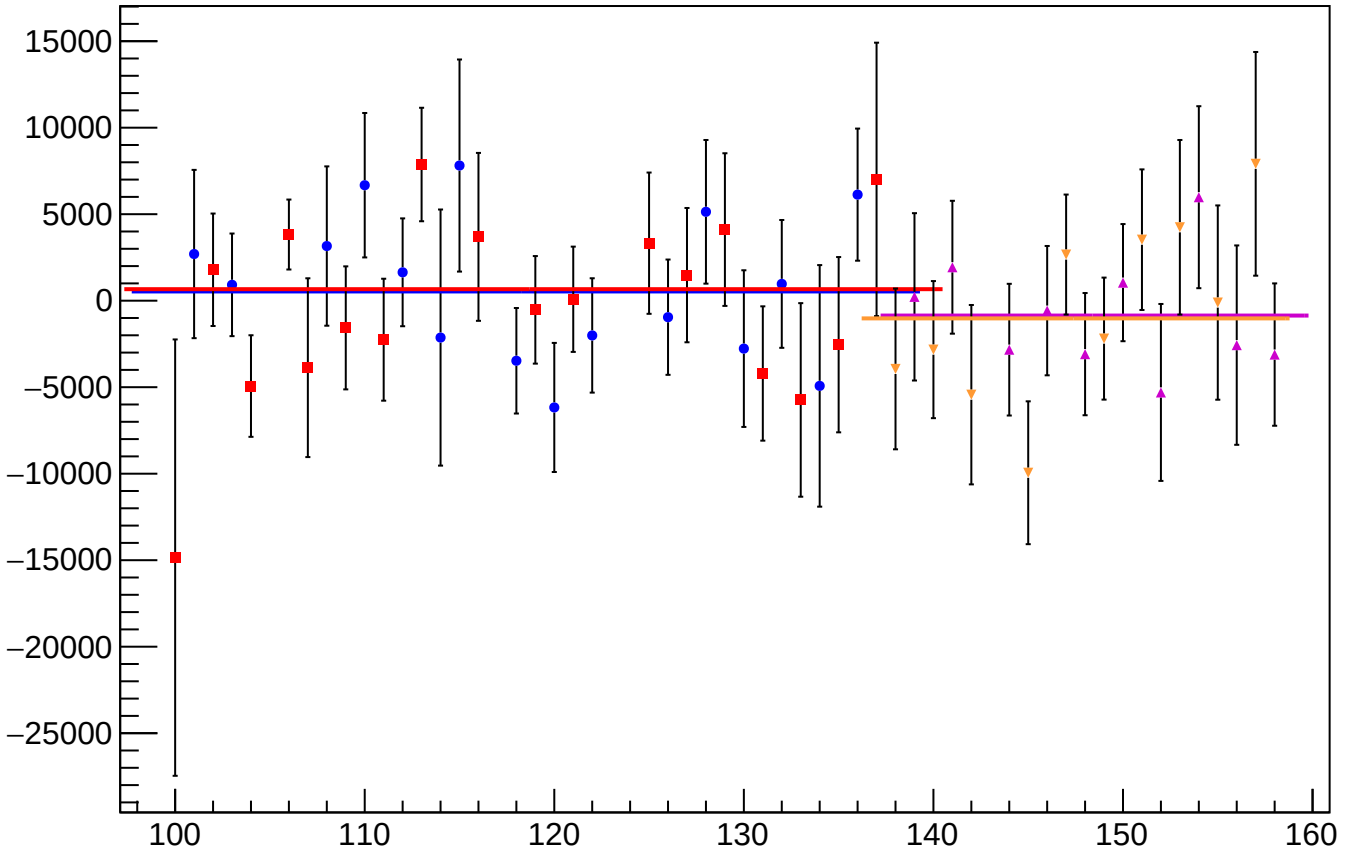
Left: 1207.512+/-0.210 χ^2/NDF: 130470.2/19

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 996.872+/-0.180 χ^2/NDF:1327725.5/25

Out: 973.191+/-0.181 χ^2/NDF:1293421.4/27

All: 985.071+/-0.128 χ^2/NDF: 2629735.9/53



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -1023.242+/-1380.230 χ^2/NDF:11.5/9

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -859.526+/-1310.679 χ^2/NDF:4.4/9

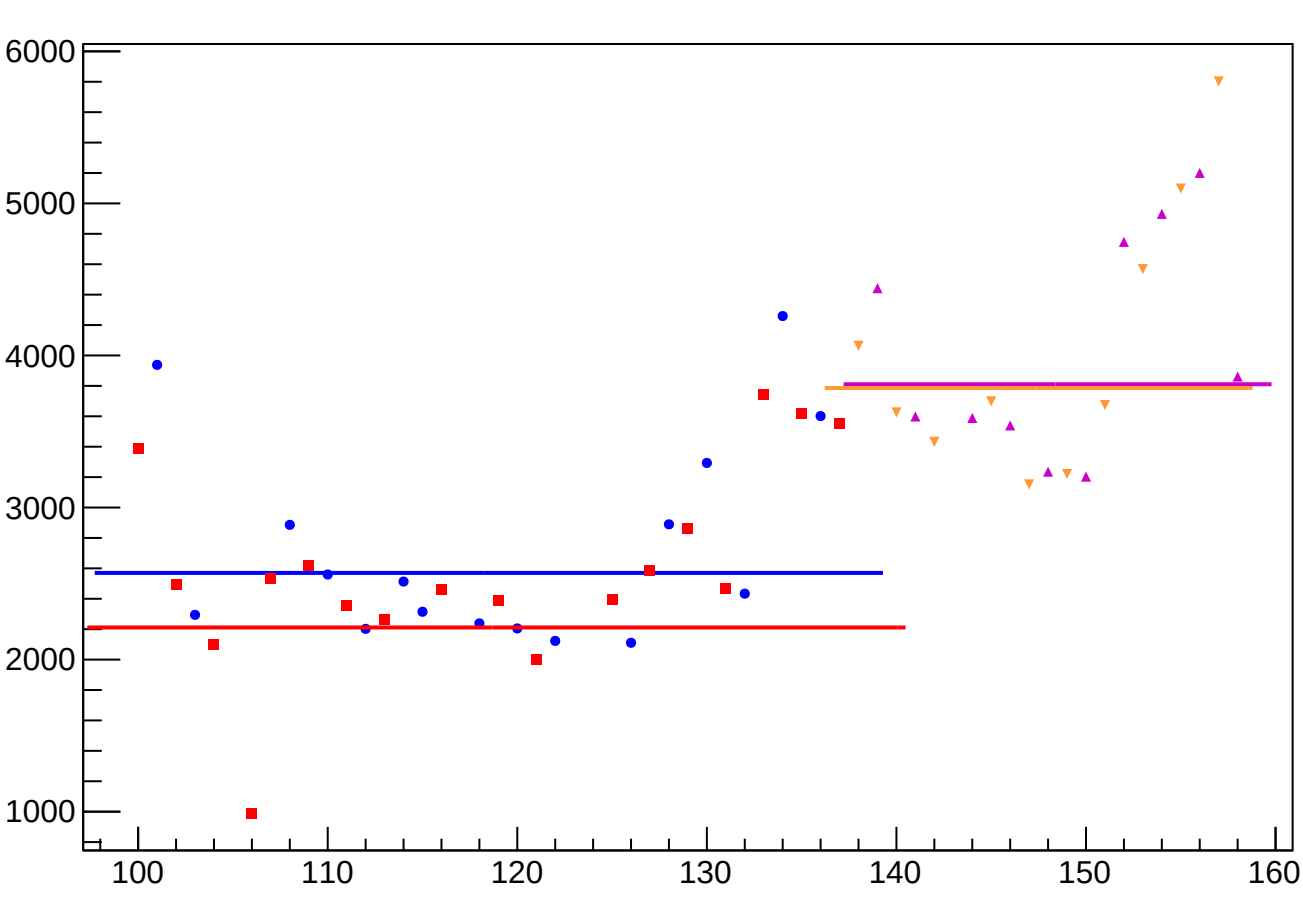
Left: -937.156+/-950.427 χ^2/NDF: 15.9/19

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 33.779+/-785.527 χ^2/NDF:19.8/25

Out: 189.566+/-732.937 χ^2/NDF:32.6/27

All: 117.062+/-535.893 χ^2/NDF: 52.4/53



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3785.810+/-0.976 χ^2/NDF:492108.6/9

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3810.846+/-0.927 χ^2/NDF:449358.1/9

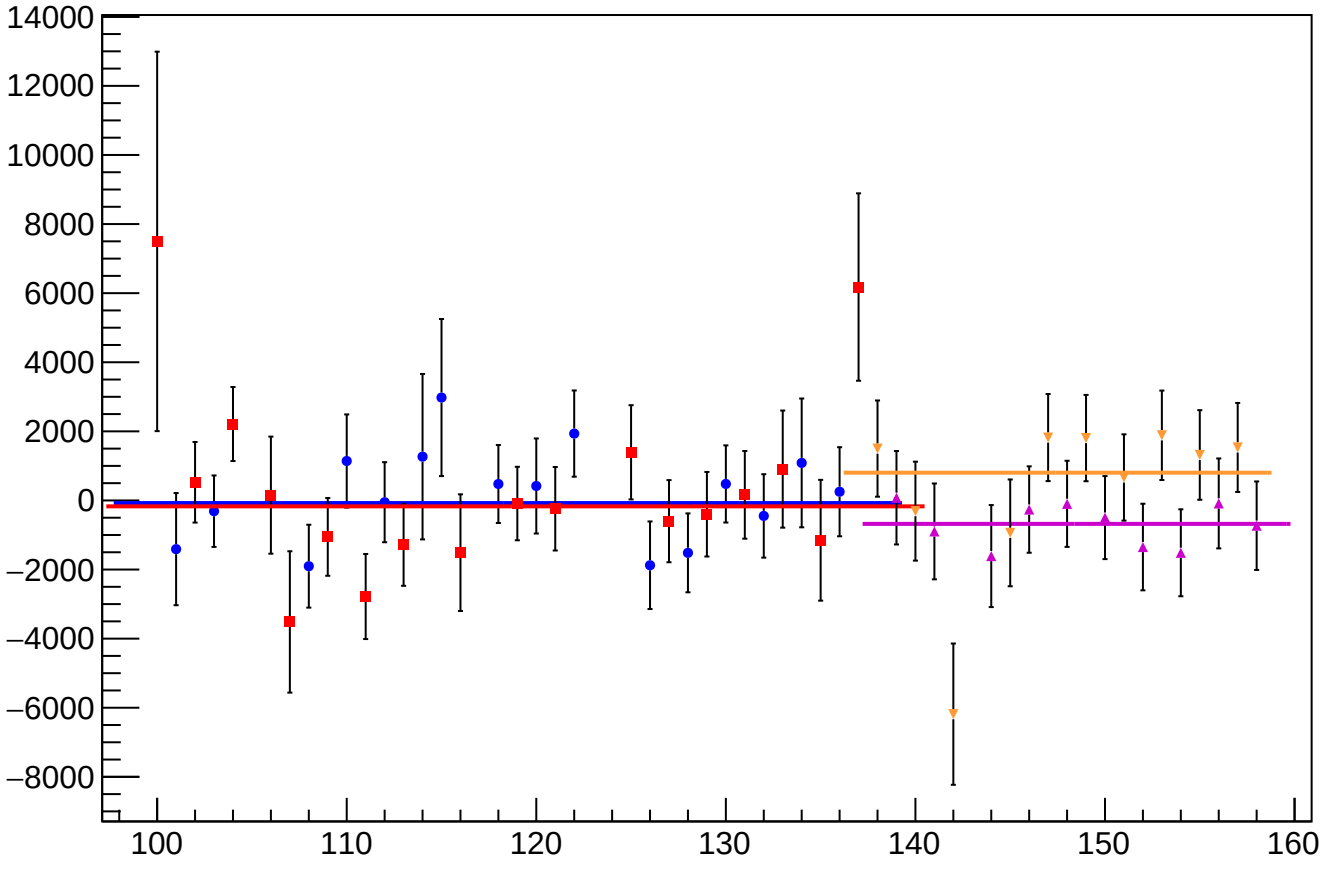
Left: 3798.975+/-0.672 χ^2/NDF: 941812.7/19

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

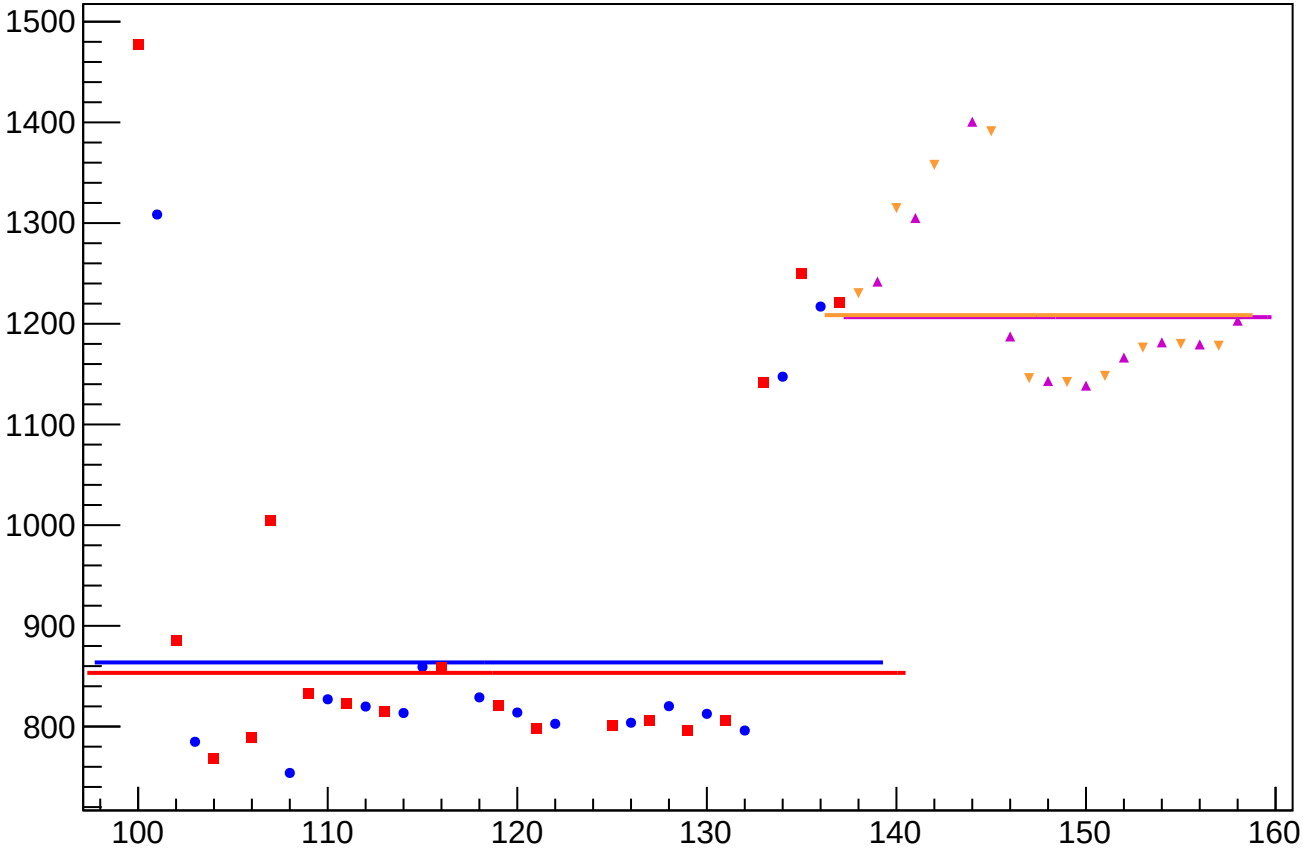
In: 3015.790+/-0.555 χ^2/NDF:2260266.9/25

Out: 2655.271+/-0.518 χ^2/NDF:3625013.6/27

All: 2823.060+/-0.379 χ^2/NDF: 6110490.0/53


cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -76.022+/-326.226 χ²/NDF: 13.3/15
Left Out: 803.464+/-431.675 χ²/NDF:16.3/9
Right Out: -170.982+/-321.832 χ²/NDF: 24.4/17
Left In: -678.345+/-409.297 χ²/NDF:2.0/9
Left: 23.158+/-297.013 χ²/NDF: 24.5/19
Right: -124.146+/-229.107 χ²/NDF: 37.7/33
In: -310.013+/-255.108 χ²/NDF:16.7/25
Out: 177.146+/-258.017 χ²/NDF:43.9/27
All: -69.195+/-181.408 χ²/NDF: 62.4/53

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1208.566+/-0.305 χ^2/NDF:68647.1/9

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

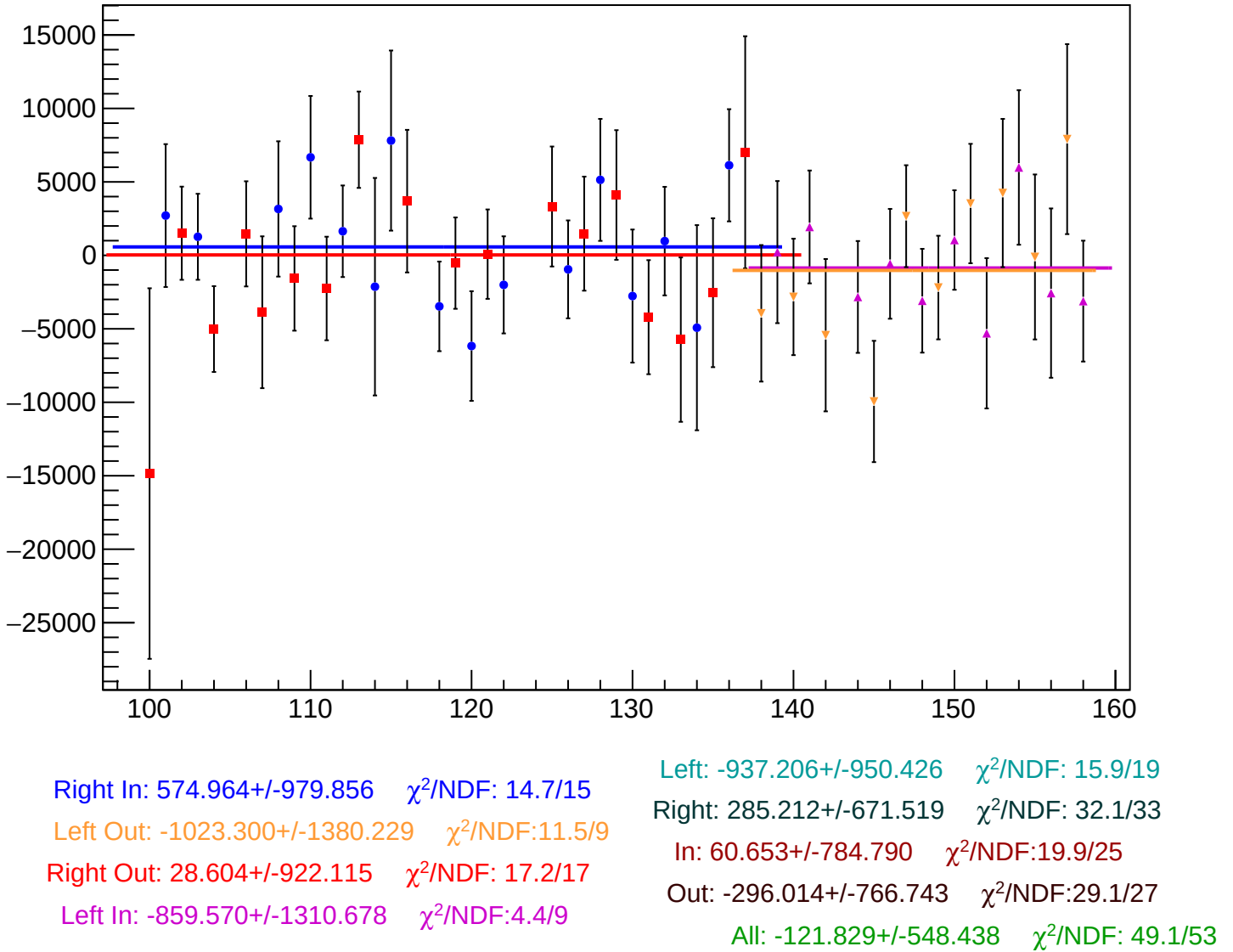
Left: 1207.512+/-0.210 χ^2/NDF: 130470.2/19

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 996.872+/-0.180 χ^2/NDF:1327725.6/25

Out: 979.372+/-0.182 χ^2/NDF:1217957.5/27

All: 988.192+/-0.128 χ^2/NDF: 2550351.6/53


asym_usl_atl2_dd_cor_correction_mean vs Slug, Sign Corrected
15000
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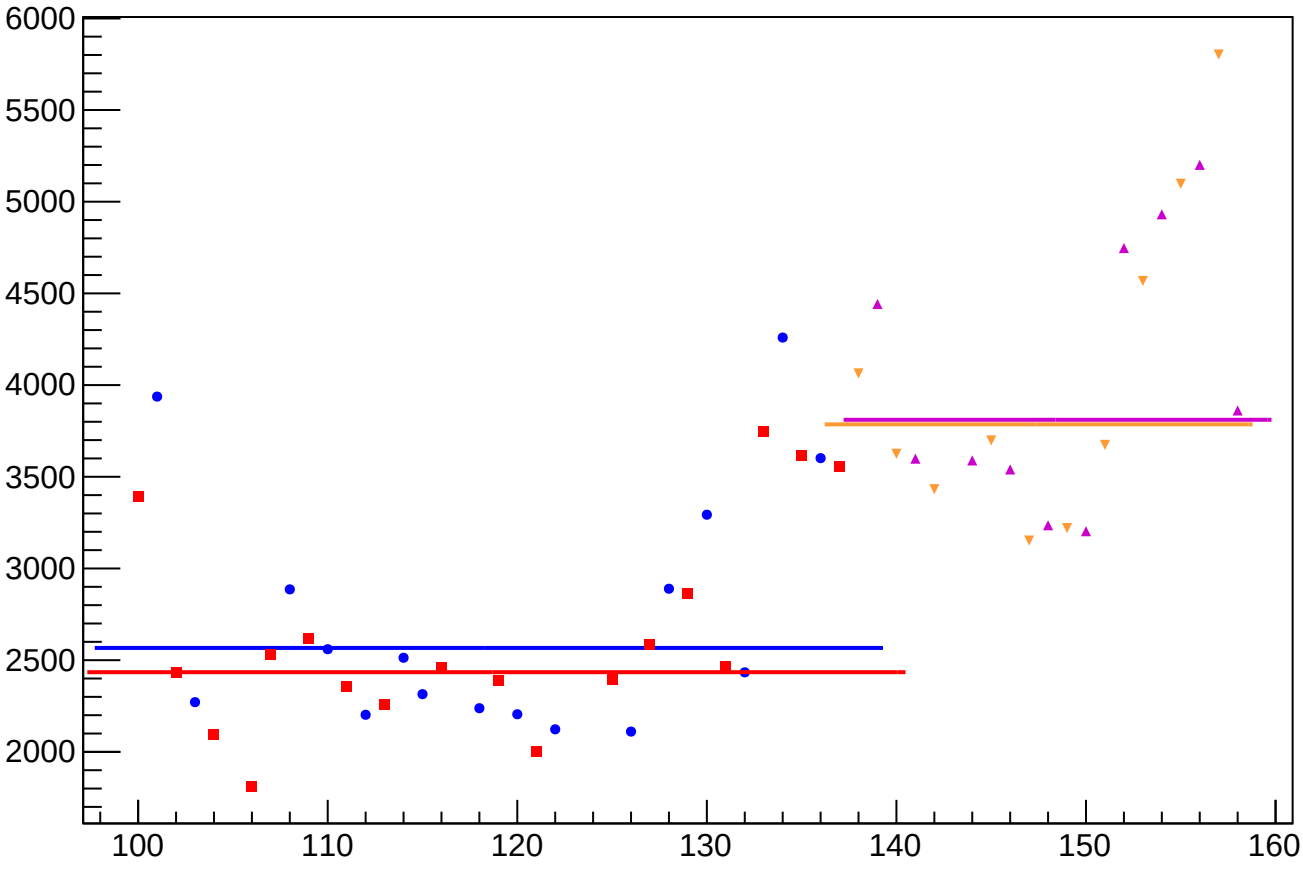
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: -1023.300+/-1380.229 χ²/NDF:11.5/9
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -859.570+/-1310.678 χ²/NDF:4.4/9
Left: -937.206+/-950.426 χ²/NDF: 15.9/19
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 60.653+/-784.790 χ²/NDF:19.9/25
Out: -296.014+/-766.743 χ²/NDF:29.1/27
All: -121.829+/-548.438 χ²/NDF: 49.1/53



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3785.809+/-0.976 χ^2/NDF:492105.7/9

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3810.840+/-0.927 χ^2/NDF:449359.3/9

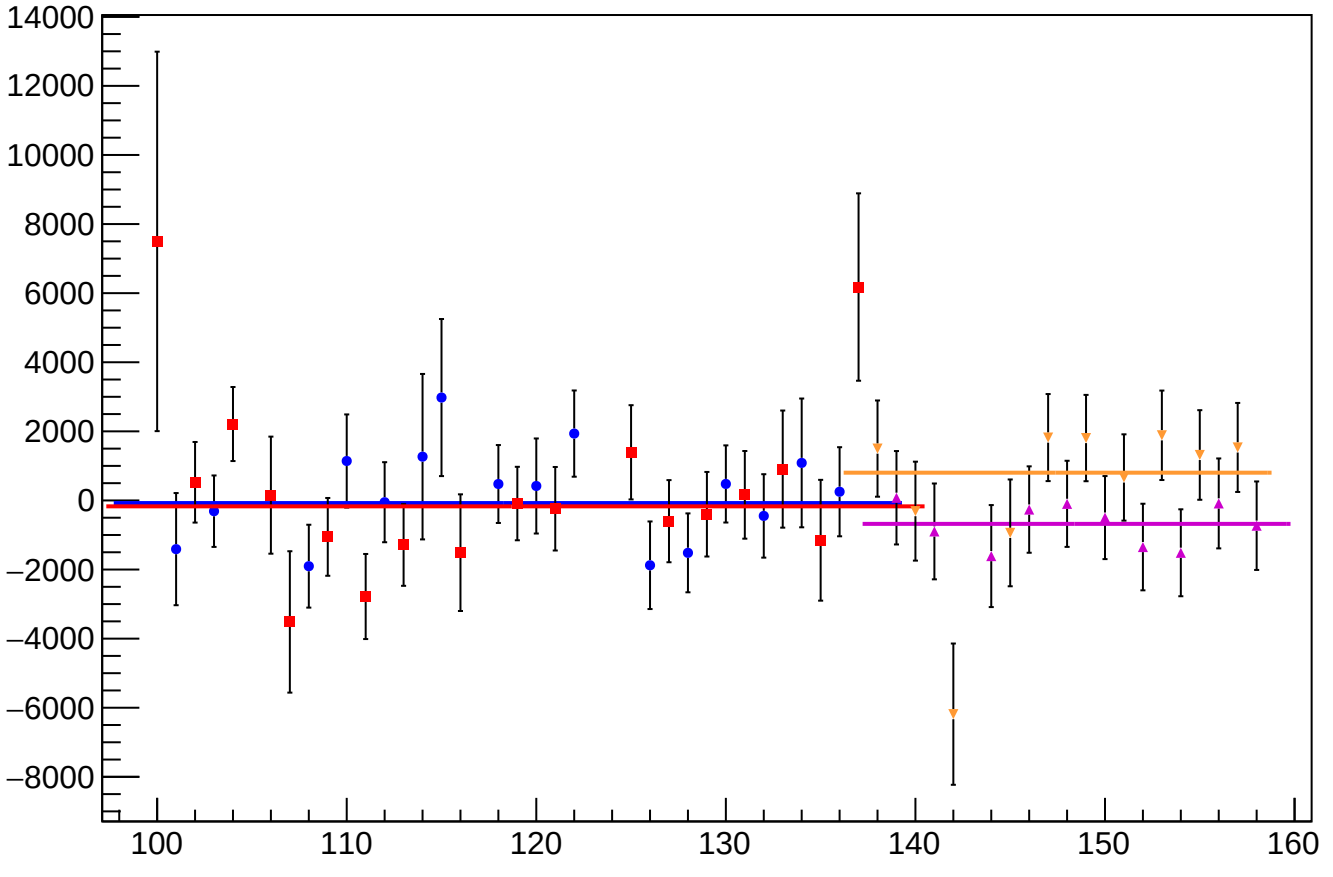
Left: 3798.971+/-0.672 χ^2/NDF: 941810.9/19

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3012.772+/-0.555 χ^2/NDF:2271174.6/25

Out: 2851.466+/-0.542 χ^2/NDF:2251779.6/27

All: 2930.243+/-0.388 χ^2/NDF: 4566183.3/53



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 803.464+/-431.675 χ^2/NDF:16.3/9

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -678.345+/-409.297 χ^2/NDF:2.0/9

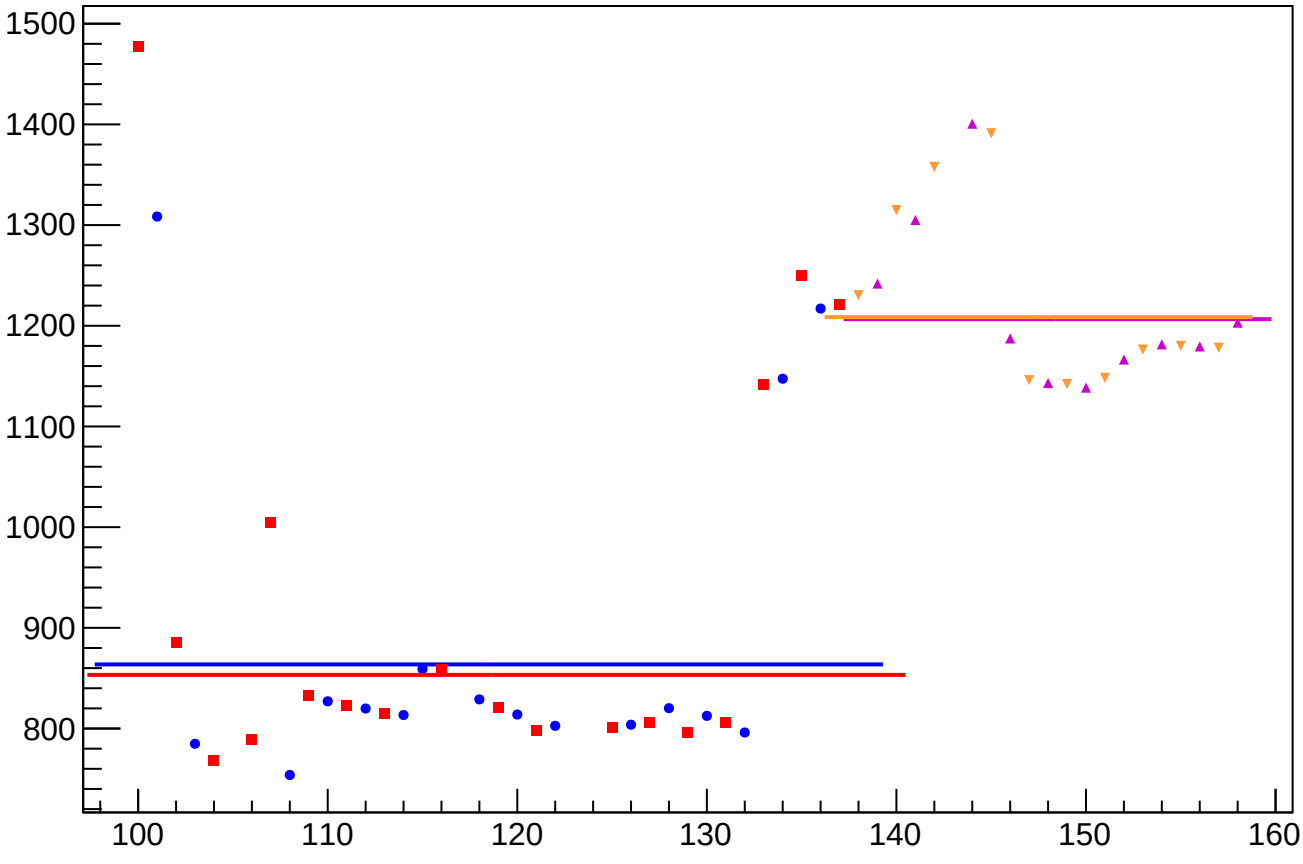
Left: 23.158+/-297.013 χ^2/NDF: 24.5/19

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -310.013+/-255.108 χ^2/NDF:16.7/25

Out: 177.146+/-258.017 χ^2/NDF:43.9/27

All: -69.195+/-181.408 χ^2/NDF: 62.4/53



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1208.566+/-0.305 χ^2/NDF:68647.1/9

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

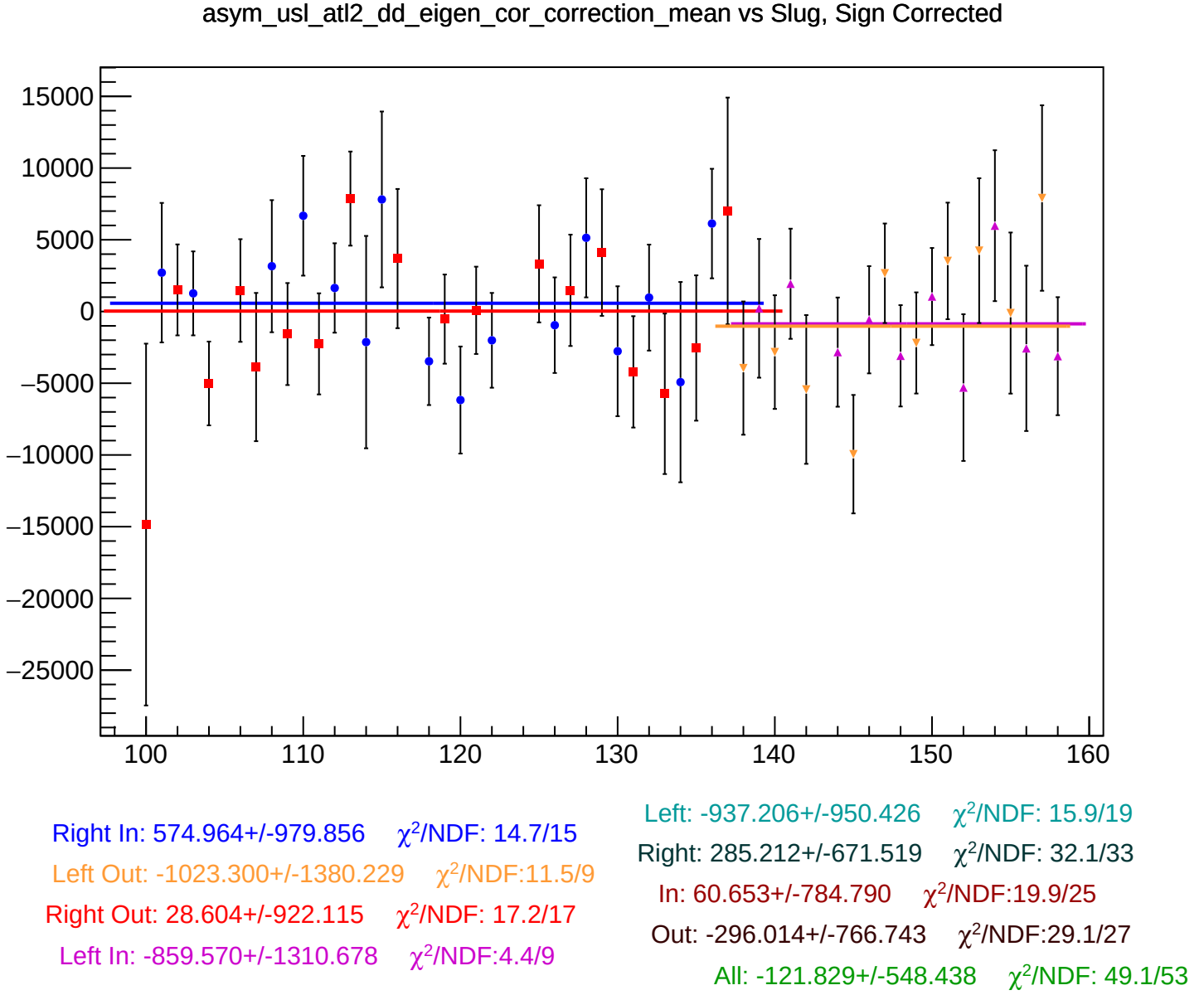
Left: 1207.512+/-0.210 χ^2/NDF: 130470.2/19

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 996.872+/-0.180 χ^2/NDF:1327725.6/25

Out: 979.372+/-0.182 χ^2/NDF:1217957.5/27

All: 988.192+/-0.128 χ^2/NDF: 2550351.6/53


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
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−5000
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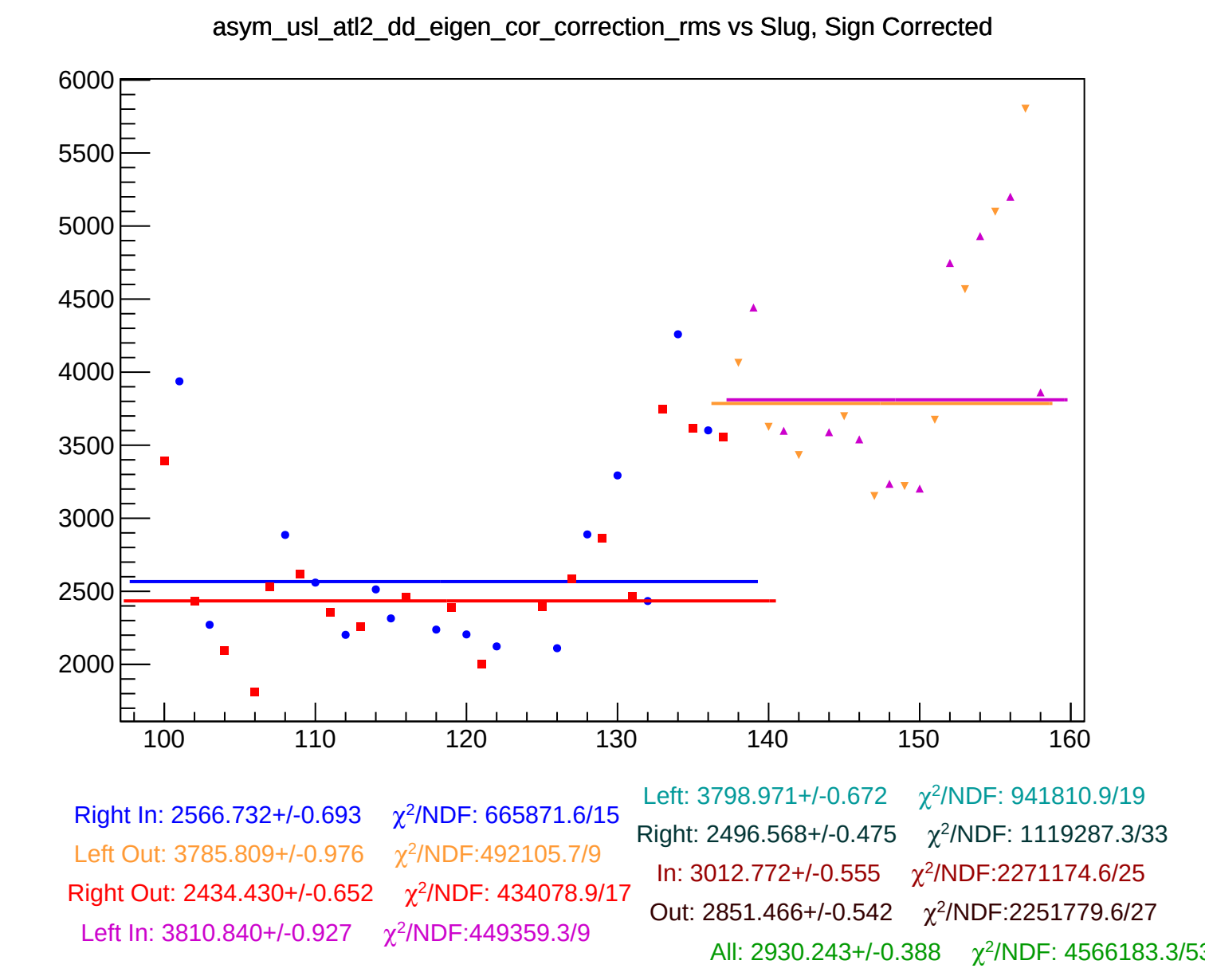
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: -1023.300+/-1380.229 χ²/NDF:11.5/9
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -859.570+/-1310.678 χ²/NDF:4.4/9
Left: -937.206+/-950.426 χ²/NDF: 15.9/19
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 60.653+/-784.790 χ²/NDF:19.9/25
Out: -296.014+/-766.743 χ²/NDF:29.1/27
All: -121.829+/-548.438 χ²/NDF: 49.1/53


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5500
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2500
2000
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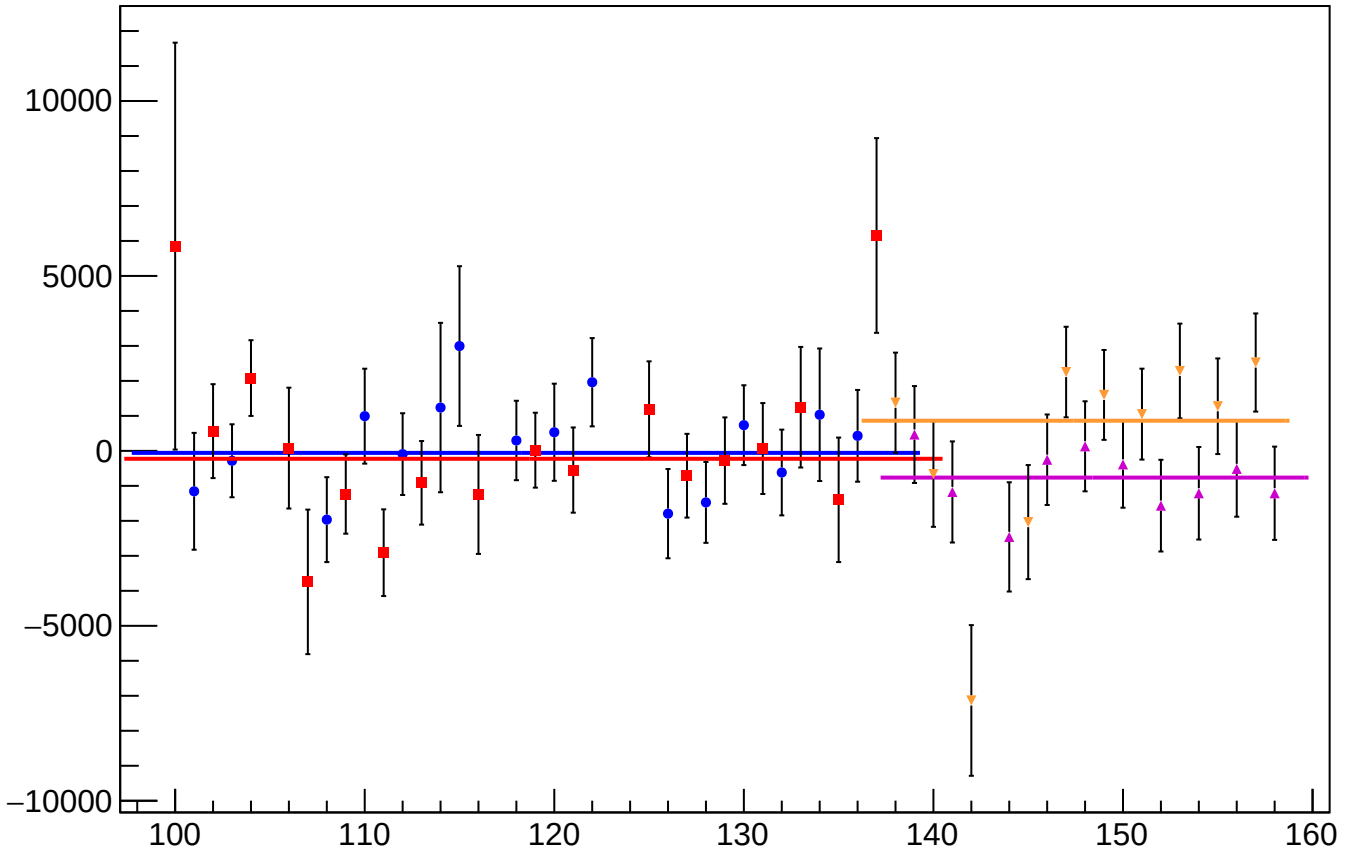
140
150
160
Right In: 2566.732+/-0.693 χ²/NDF: 665871.6/15
Left Out: 3785.809+/-0.976 χ²/NDF:492105.7/9
Right Out: 2434.430+/-0.652 χ²/NDF: 434078.9/17
Left In: 3810.840+/-0.927 χ²/NDF:449359.3/9
Left: 3798.971+/-0.672 χ²/NDF: 941810.9/19
Right: 2496.568+/-0.475 χ²/NDF: 1119287.3/33
In: 3012.772+/-0.555 χ²/NDF:2271174.6/25
Out: 2851.466+/-0.542 χ²/NDF:2251779.6/27
All: 2930.243+/-0.388 χ²/NDF: 4566183.3/53



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 861.843+/-451.547 χ^2/NDF:22.2/9

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -763.401+/-425.780 χ^2/NDF:3.4/9

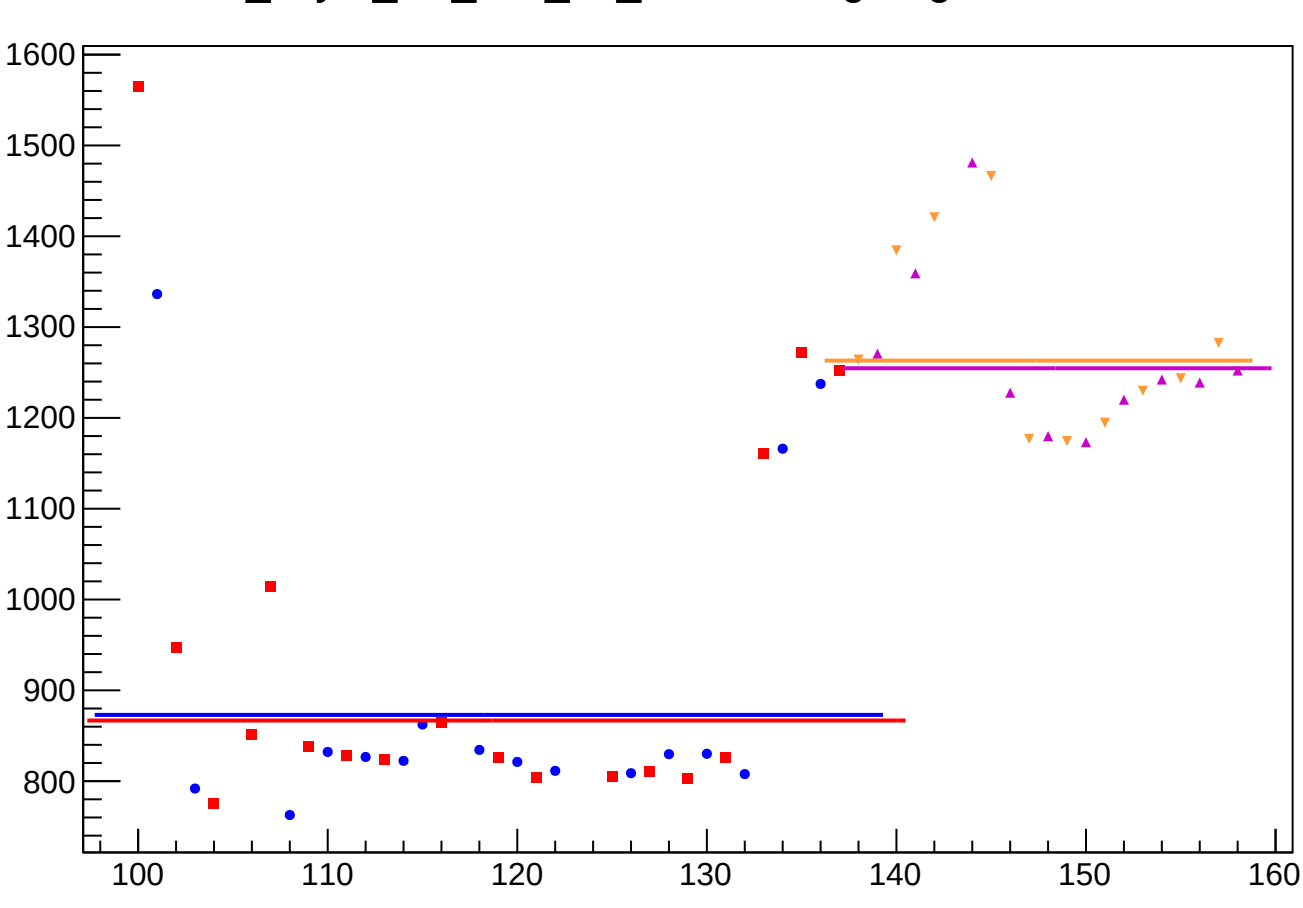
Left: 1.530+/-309.781 χ^2/NDF: 32.5/19

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -322.311+/-260.874 χ^2/NDF:18.1/25

Out: 149.793+/-265.413 χ^2/NDF:48.9/27

All: -90.330+/-186.050 χ^2/NDF: 68.7/53



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1263.094+/-0.319 χ^2/NDF:80711.9/9

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1254.674+/-0.301 χ^2/NDF:70957.5/9

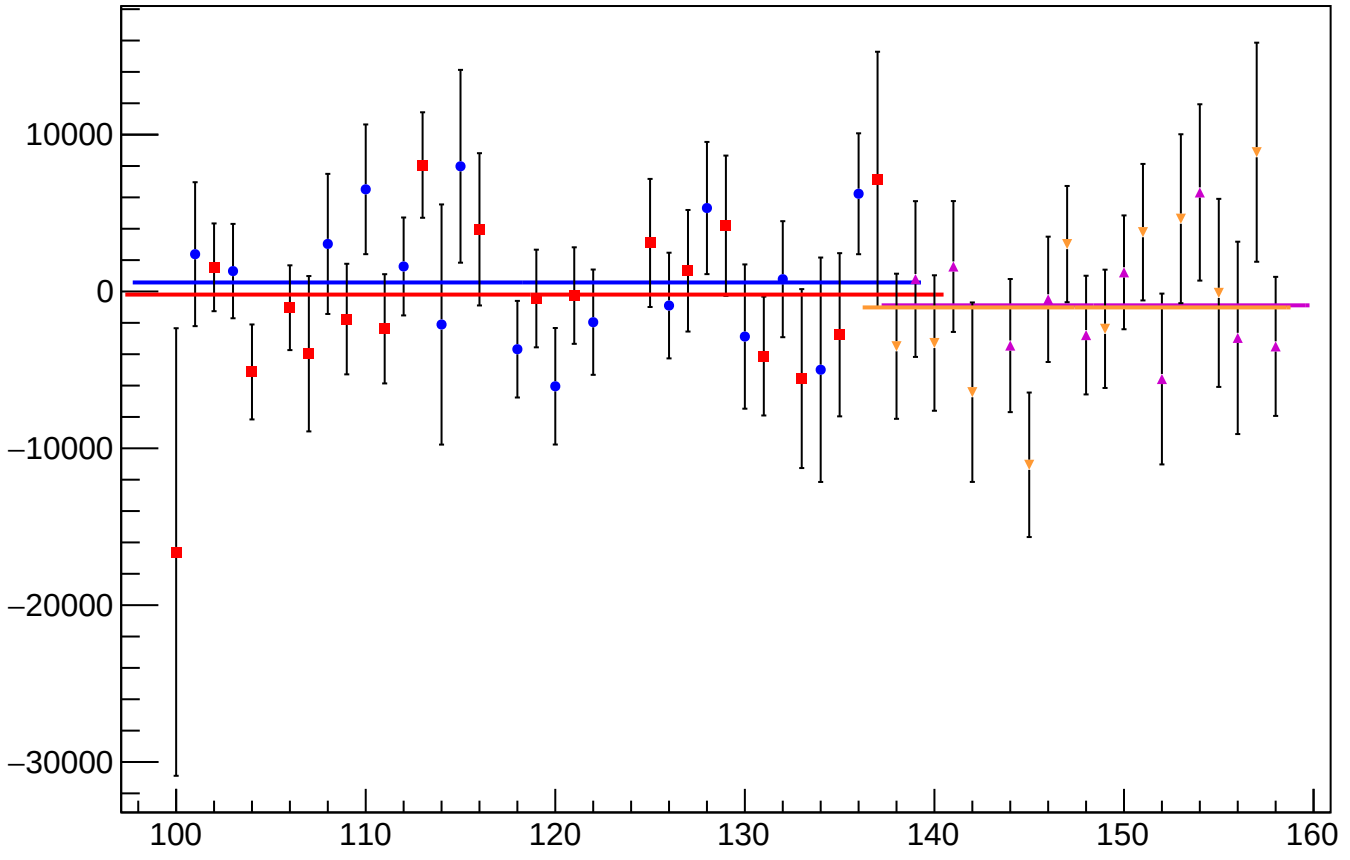
Left: 1258.637+/-0.219 χ^2/NDF: 152037.5/19

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1016.262+/-0.184 χ^2/NDF:1492007.4/25

Out: 1003.521+/-0.188 χ^2/NDF:1380191.8/27

All: 1009.997+/-0.132 χ^2/NDF: 2874544.8/53



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -1016.526+/-1479.720 χ^2/NDF:11.9/9

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -883.208+/-1407.491 χ^2/NDF:4.3/9

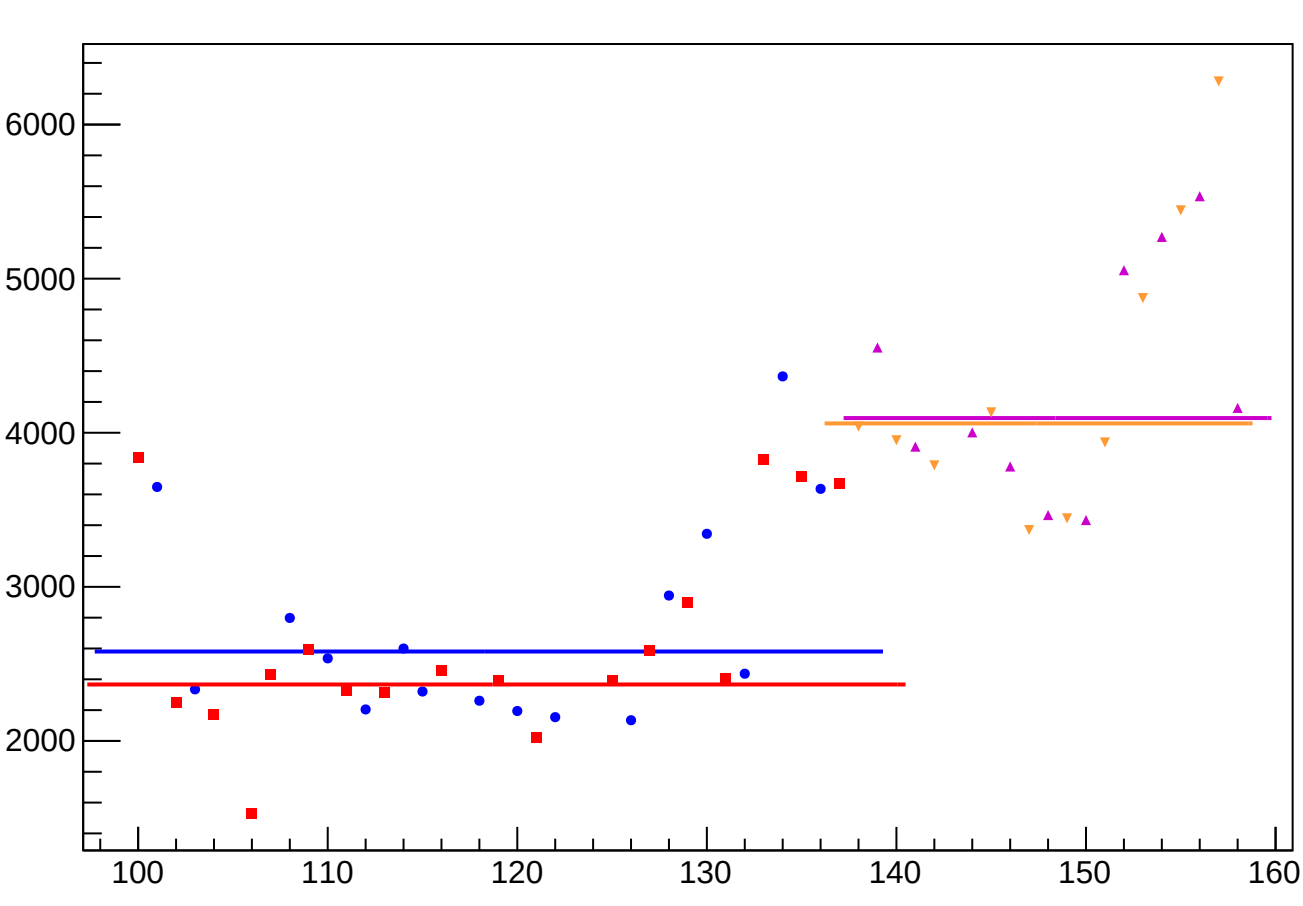
Left: -946.534+/-1019.825 χ^2/NDF: 16.1/19

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 95.869+/-806.948 χ^2/NDF:19.7/25

Out: -416.891+/-765.264 χ^2/NDF:29.3/27

All: -174.096+/-555.275 χ^2/NDF: 49.2/53



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4060.551+/-1.046 χ^2/NDF:484998.7/9

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4095.419+/-0.995 χ^2/NDF:416392.4/9

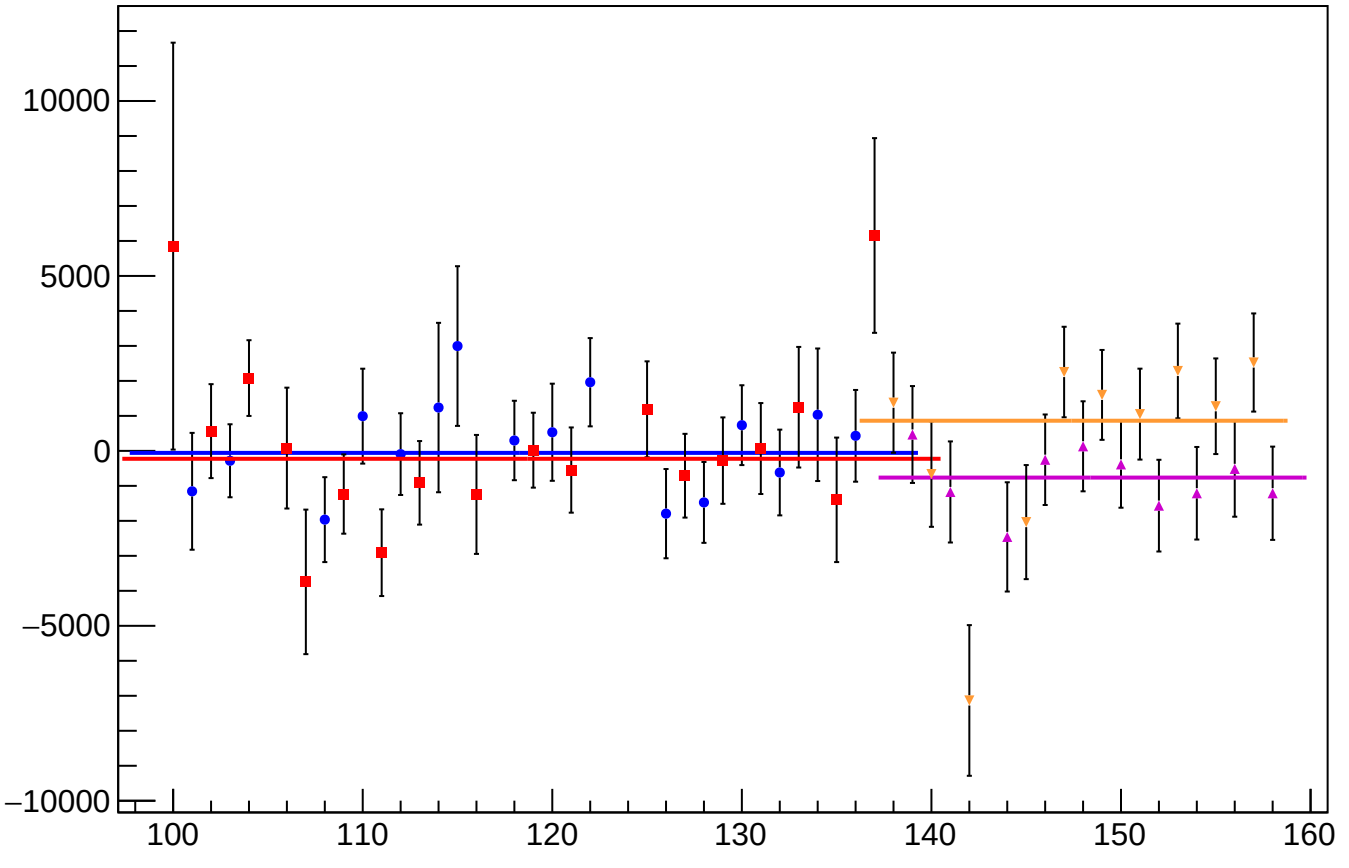
Left: 4078.857+/-0.721 χ^2/NDF: 901974.2/19

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3078.371+/-0.571 χ^2/NDF:2589174.0/25

Out: 2819.532+/-0.541 χ^2/NDF:3017125.7/27

All: 2942.093+/-0.393 χ^2/NDF: 5714640.6/53



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 861.839+/-451.548 χ^2/NDF:22.2/9

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -763.403+/-425.781 χ^2/NDF:3.4/9

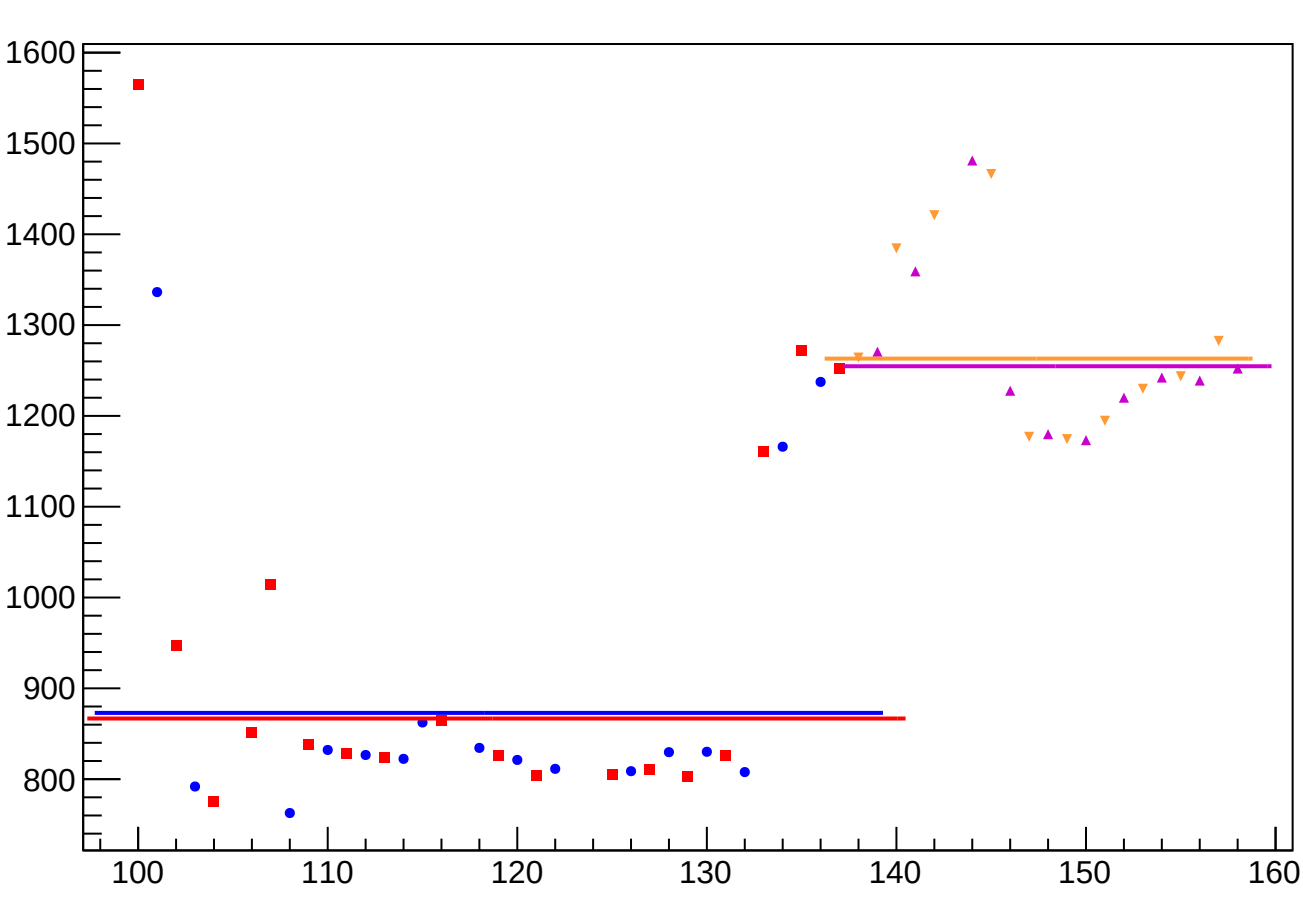
Left: 1.527+/-309.781 χ^2/NDF: 32.5/19

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -322.313+/-260.875 χ^2/NDF:18.1/25

Out: 149.788+/-265.413 χ^2/NDF:48.9/27

All: -90.333+/-186.050 χ^2/NDF: 68.7/53



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1263.095+/-0.319 χ^2/NDF:80713.3/9

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1254.675+/-0.301 χ^2/NDF:70958.2/9

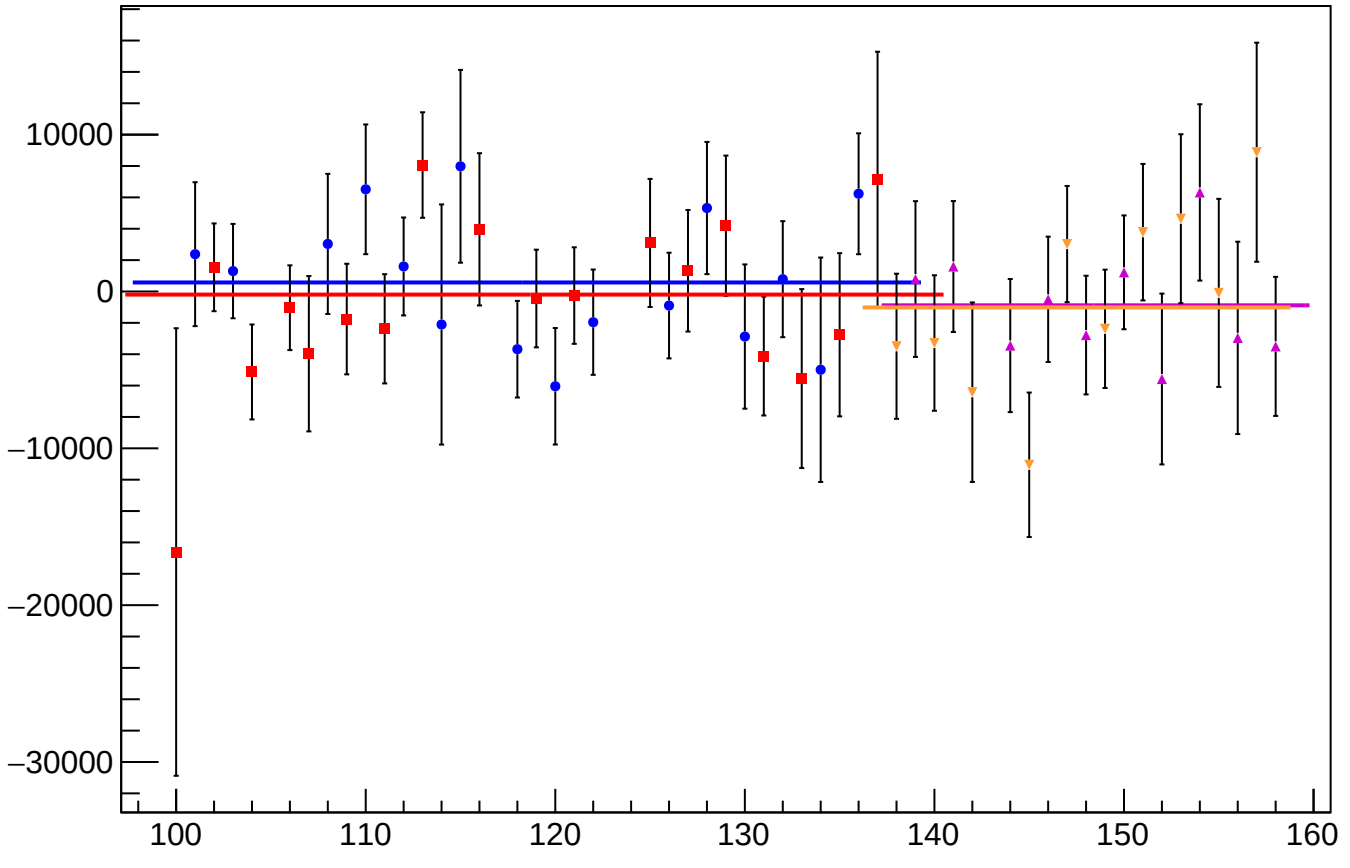
Left: 1258.638+/-0.219 χ^2/NDF: 152039.7/19

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1016.262+/-0.184 χ^2/NDF:1492013.1/25

Out: 1003.521+/-0.188 χ^2/NDF:1380198.7/27

All: 1009.997+/-0.132 χ^2/NDF: 2874557.4/53



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -1016.527+/-1479.722 χ^2/NDF:11.9/9

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -883.210+/-1407.493 χ^2/NDF:4.3/9

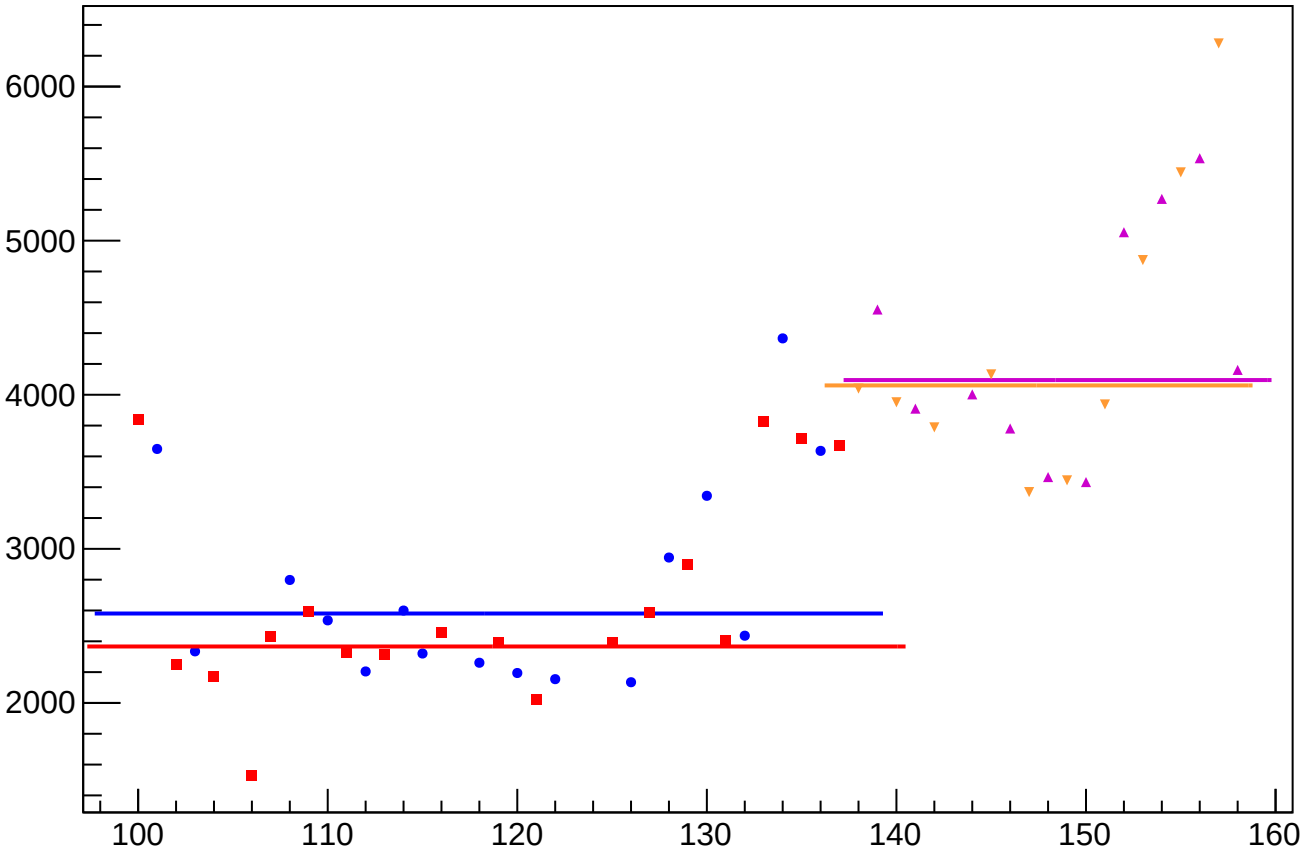
Left: -946.536+/-1019.827 χ^2/NDF: 16.1/19

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 95.869+/-806.946 χ^2/NDF:19.7/25

Out: -416.891+/-765.263 χ^2/NDF:29.3/27

All: -174.097+/-555.274 χ^2/NDF: 49.2/53



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4060.557+/-1.046 χ^2/NDF:485001.6/9

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4095.424+/-0.995 χ^2/NDF:416396.1/9

Left: 4078.862+/-0.721 χ^2/NDF: 901980.6/19

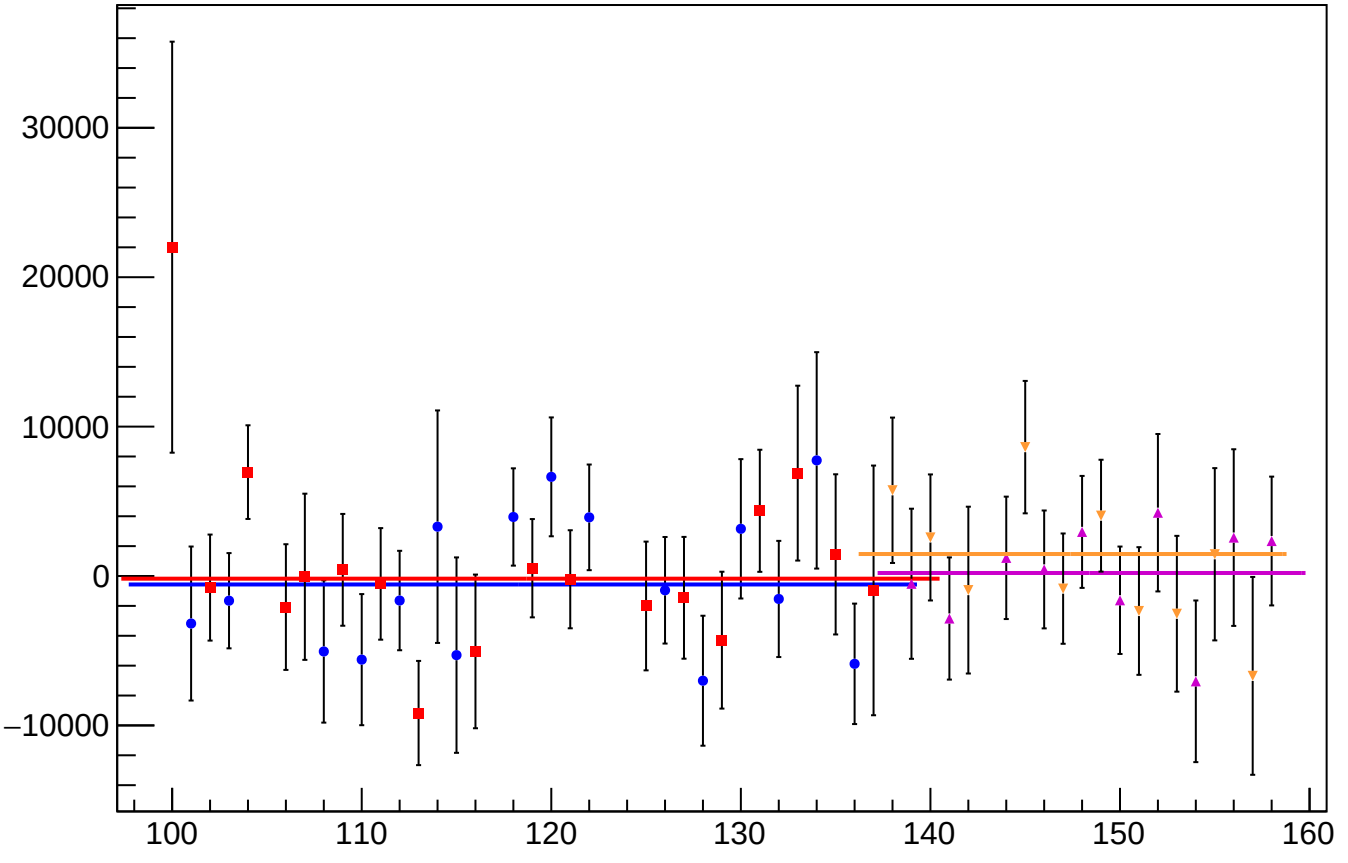
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3078.364+/-0.571 χ^2/NDF:2589212.6/25

Out: 2819.525+/-0.541 χ^2/NDF:3017158.9/27

All: 2942.087+/-0.393 χ^2/NDF: 5714712.4/53

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 1472.438+/-1457.613 χ^2/NDF:7.4/9

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 202.571+/-1380.818 χ^2/NDF:4.2/9

Left: 803.173+/-1002.436 χ^2/NDF: 12.0/19

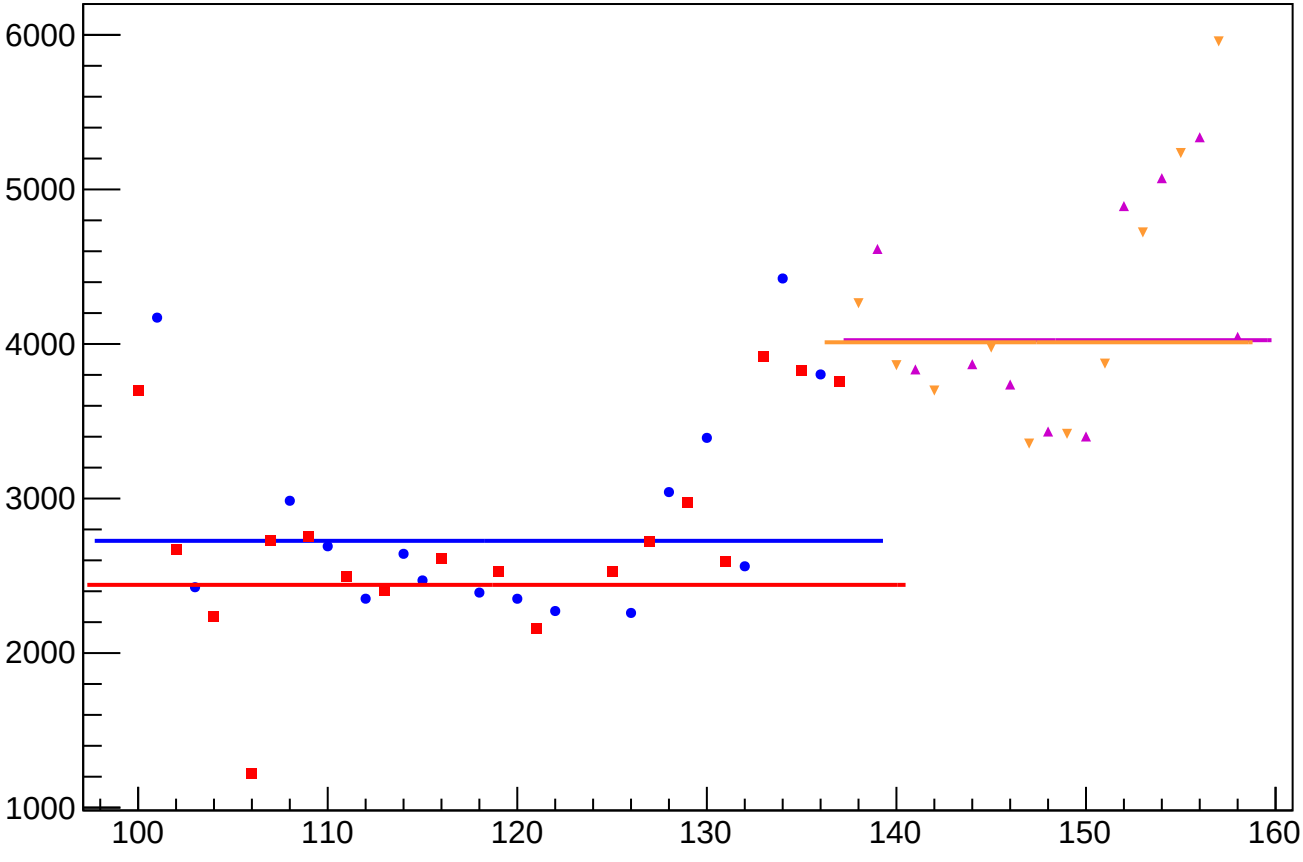
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -287.770+/-830.891 χ^2/NDF:20.6/25

Out: 341.449+/-818.054 χ^2/NDF:27.8/27

All: 31.738+/-582.937 χ^2/NDF: 48.7/53

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4010.992+/-1.031 χ^2/NDF:429787.4/9

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4024.547+/-0.976 χ^2/NDF:383207.0/9

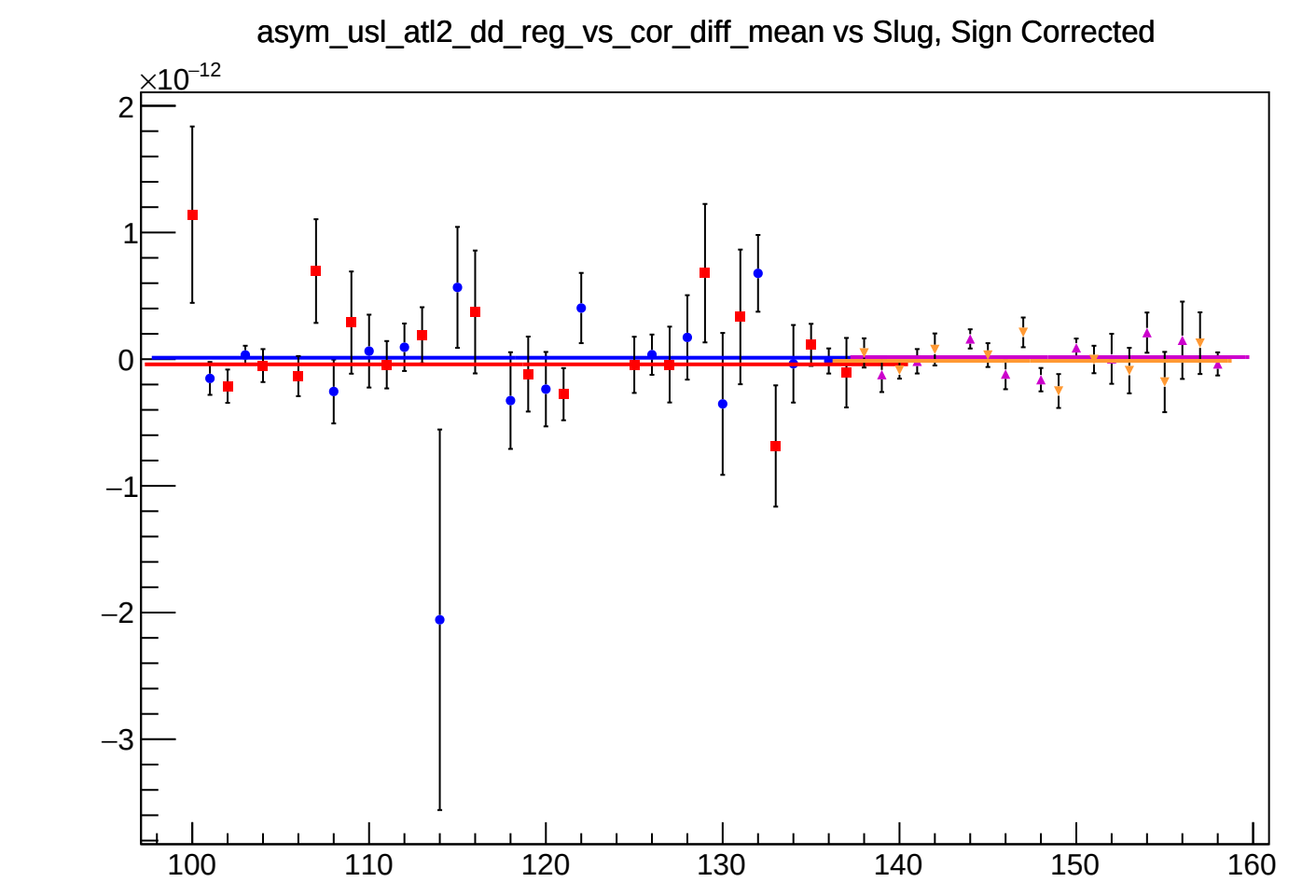
Left: 4018.136+/-0.709 χ^2/NDF: 813085.6/19

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3196.337+/-0.588 χ^2/NDF:2134207.0/25

Out: 2904.620+/-0.560 χ^2/NDF:2955641.9/27

All: 3043.468+/-0.405 χ^2/NDF: 5219037.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:12.7/9

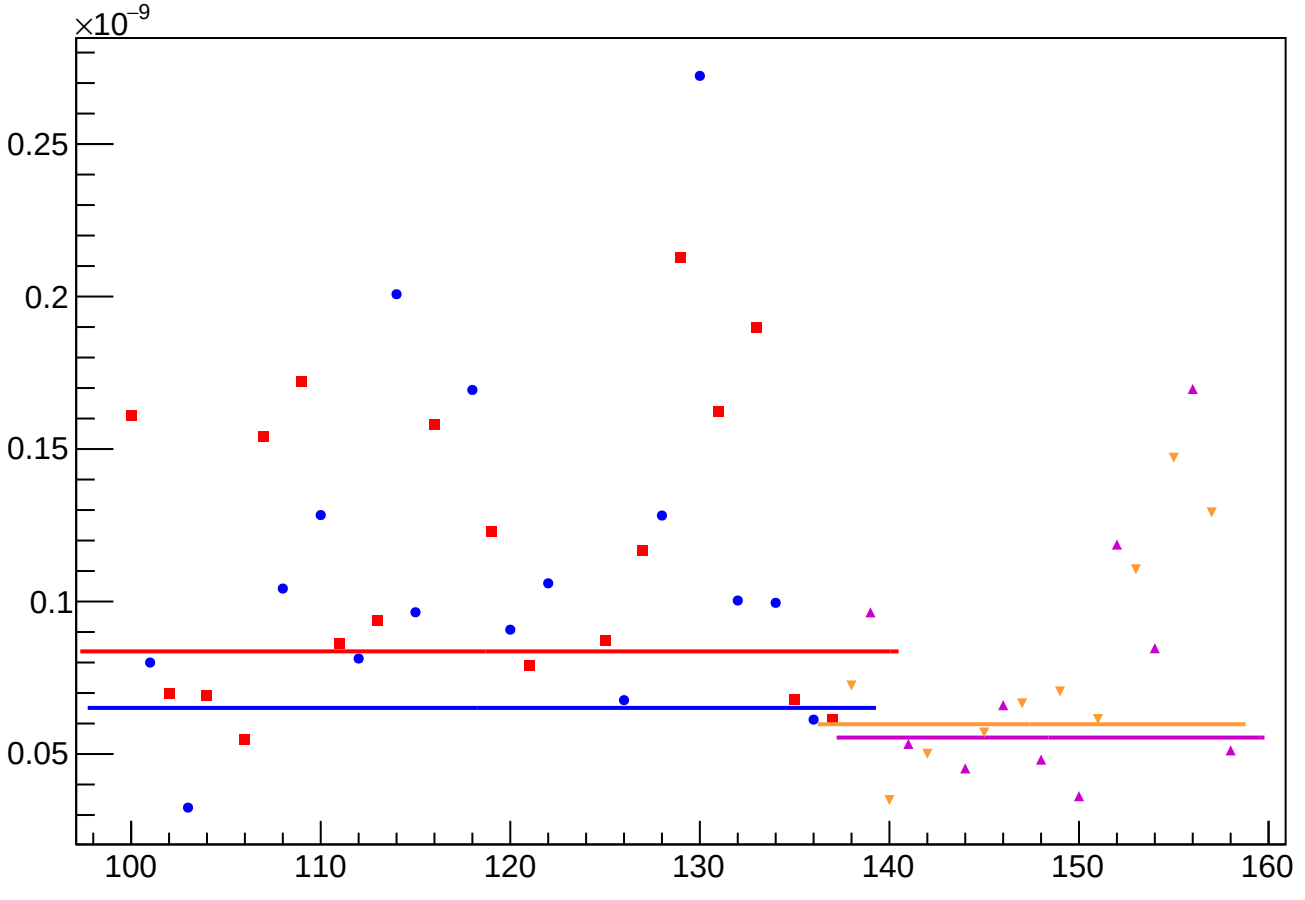
Left: 0.000+/-0.000 χ^2/NDF: 23.2/19

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:28.1/25

Out: -0.000+/-0.000 χ^2/NDF:27.3/27

All: -0.000+/-0.000 χ^2/NDF: 56.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:926778.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:939702.1/9

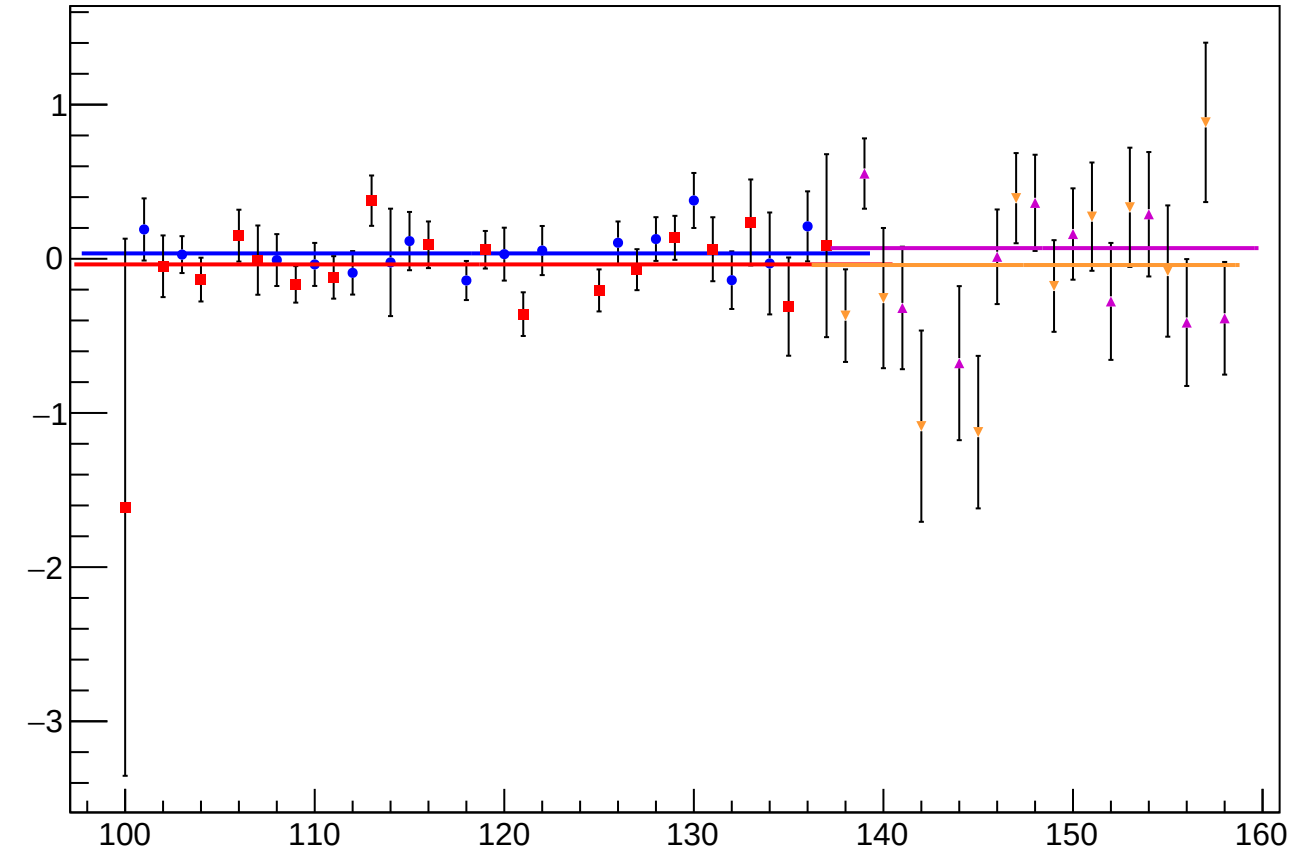
Left: 0.000+/-0.000 χ^2/NDF: 1882240.6/19

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2224491.4/25

Out: 0.000+/-0.000 χ^2/NDF:1891778.6/27

All: 0.000+/-0.000 χ^2/NDF: 4204977.1/53



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.040+/-0.120 χ^2/NDF:16.4/9

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.069+/-0.106 χ^2/NDF:12.7/9

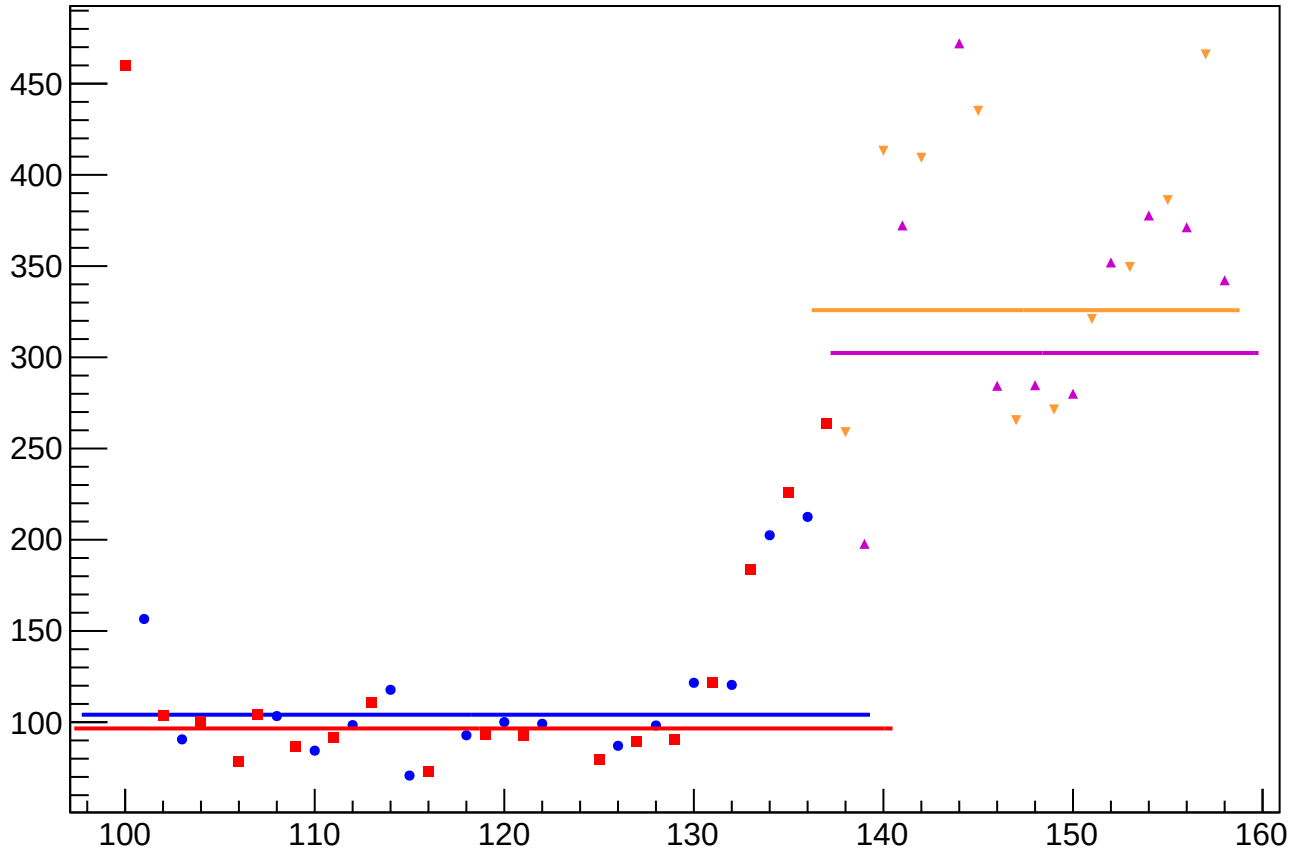
Left: 0.021+/-0.080 χ^2/NDF: 29.6/19

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:22.6/25

Out: -0.037+/-0.037 χ^2/NDF:38.5/27

All: 0.000+/-0.027 χ^2/NDF: 63.1/53



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 325.835+/-0.085 χ^2/NDF:653846.1/9

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 302.374+/-0.075 χ^2/NDF:921807.1/9

Left: 312.719+/-0.056 χ^2/NDF: 1618523.7/19

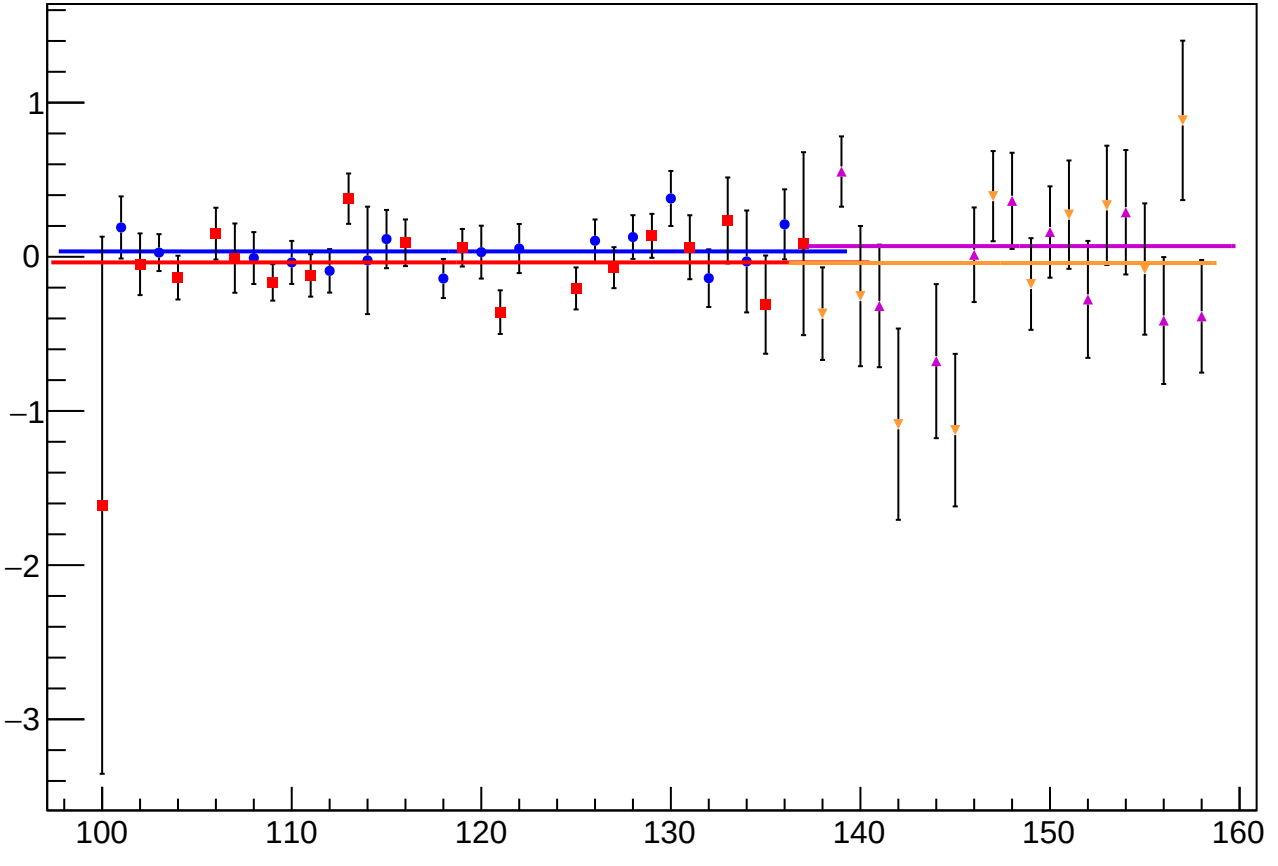
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 129.765+/-0.027 χ^2/NDF:7957267.7/25

Out: 118.430+/-0.026 χ^2/NDF:8233841.4/27

All: 123.904+/-0.019 χ^2/NDF: 16281764.3/53

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.040+/-0.120 χ^2/NDF:16.4/9

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.069+/-0.106 χ^2/NDF:12.7/9

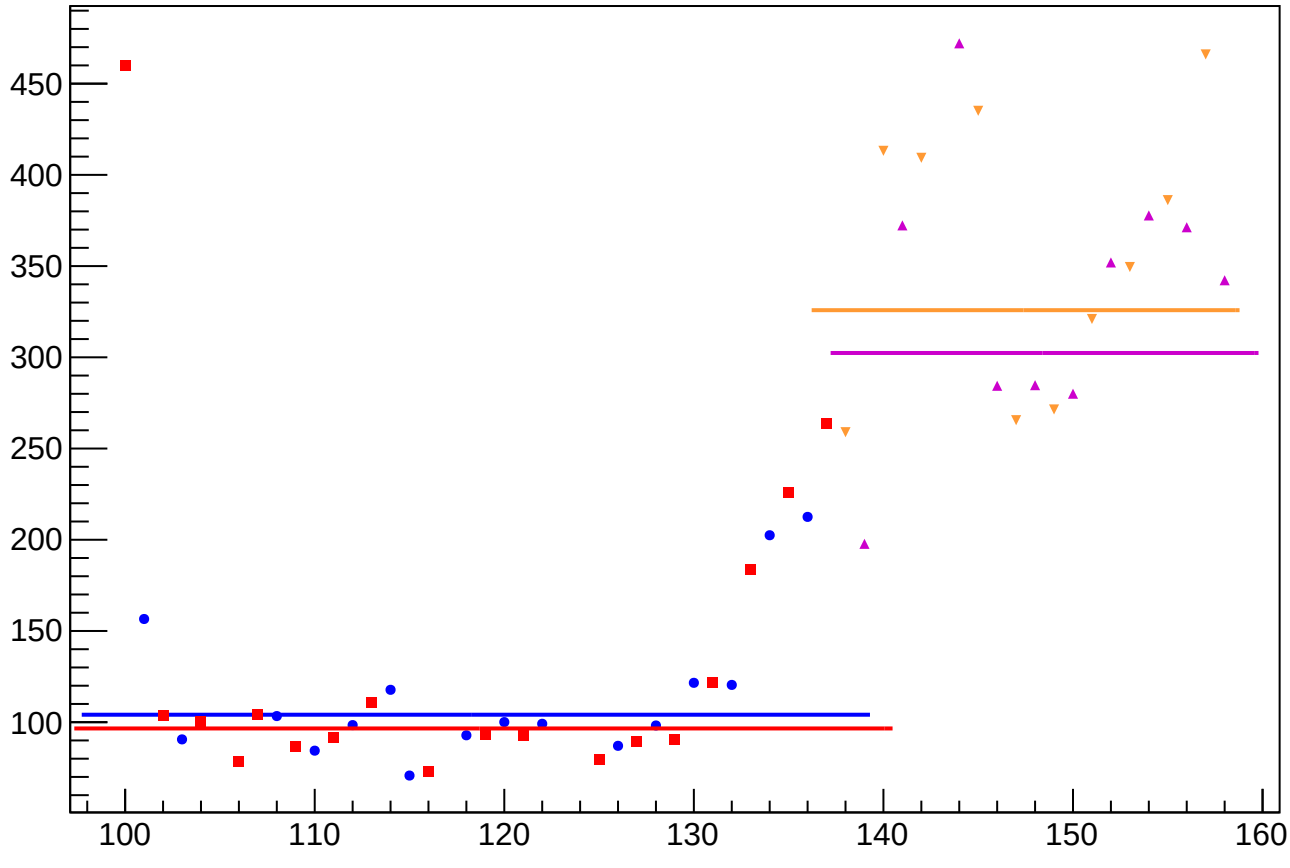
Left: 0.021+/-0.080 χ^2/NDF: 29.6/19

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:22.6/25

Out: -0.037+/-0.037 χ^2/NDF:38.5/27

All: 0.000+/-0.027 χ^2/NDF: 63.1/53



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 325.835+/-0.085 χ^2/NDF:653846.1/9

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 302.374+/-0.075 χ^2/NDF:921807.1/9

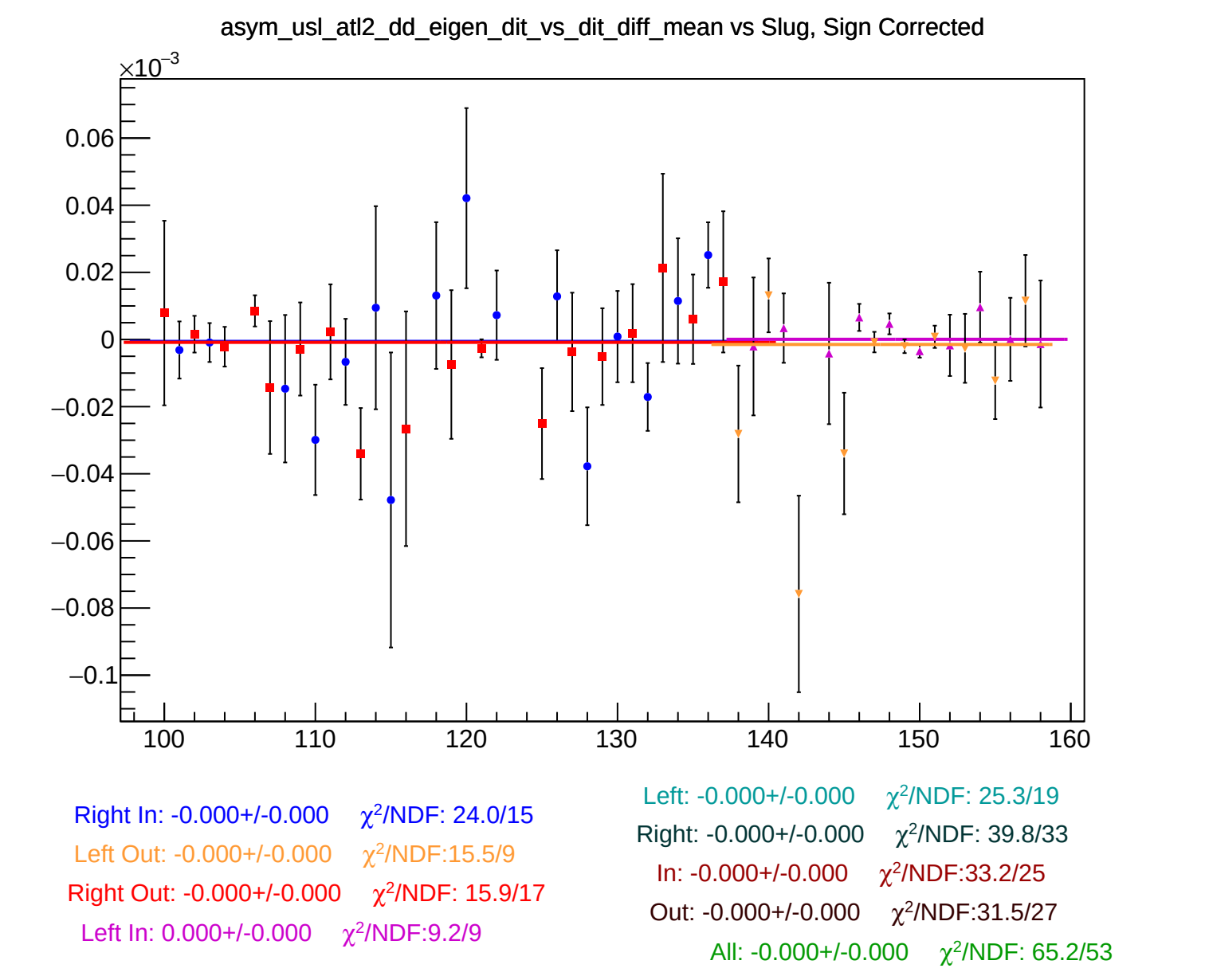
Left: 312.719+/-0.056 χ^2/NDF: 1618523.7/19

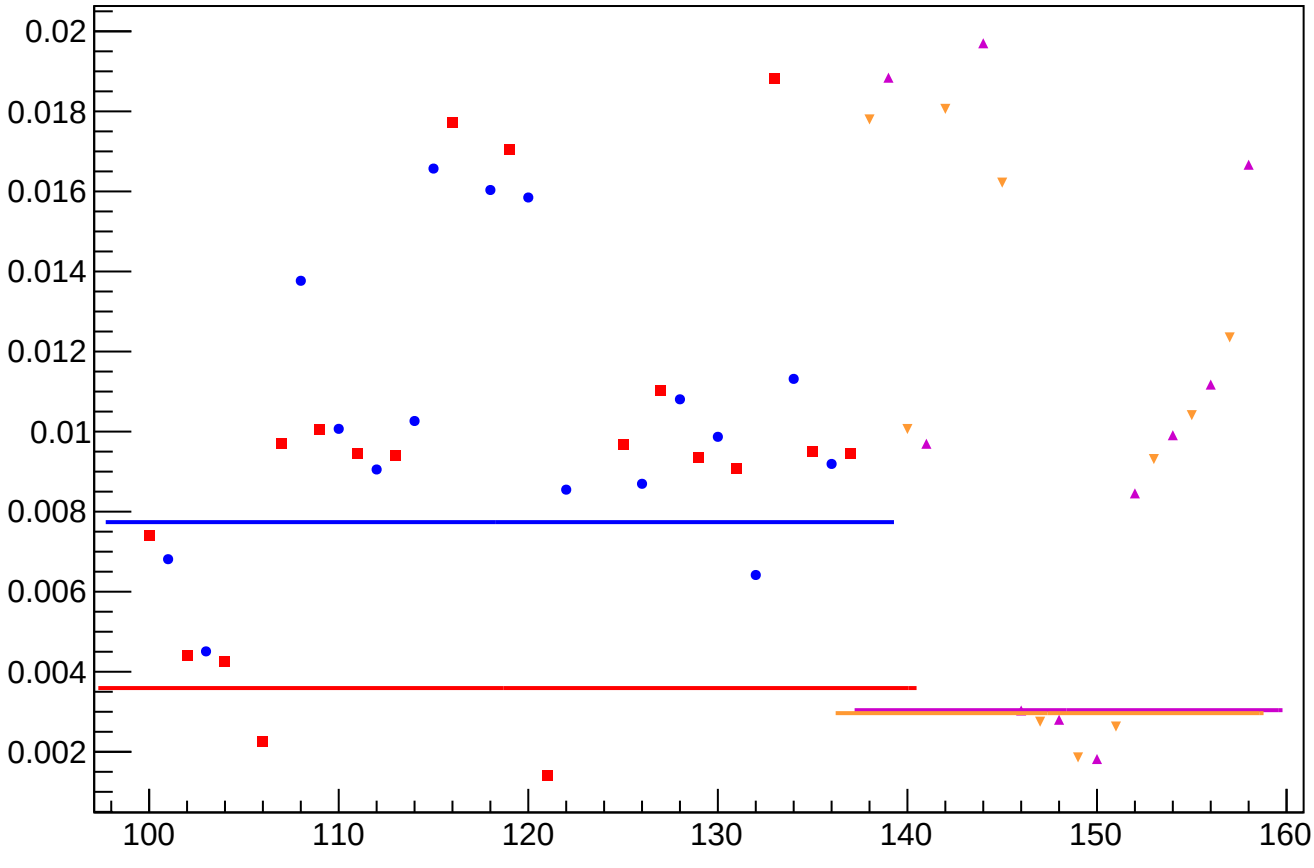
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 129.765+/-0.027 χ^2/NDF:7957267.7/25

Out: 118.430+/-0.026 χ^2/NDF:8233841.4/27

All: 123.904+/-0.019 χ^2/NDF: 16281764.3/53


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:15.5/9
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:9.2/9
Left: -0.000+/-0.000 χ²/NDF: 25.3/19
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:33.2/25
Out: -0.000+/-0.000 χ²/NDF:31.5/27
All: -0.000+/-0.000 χ²/NDF: 65.2/53



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:6675332.3/9

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:7531546.5/9

Left: 0.003+/-0.000 χ^2/NDF: 14209512.9/19

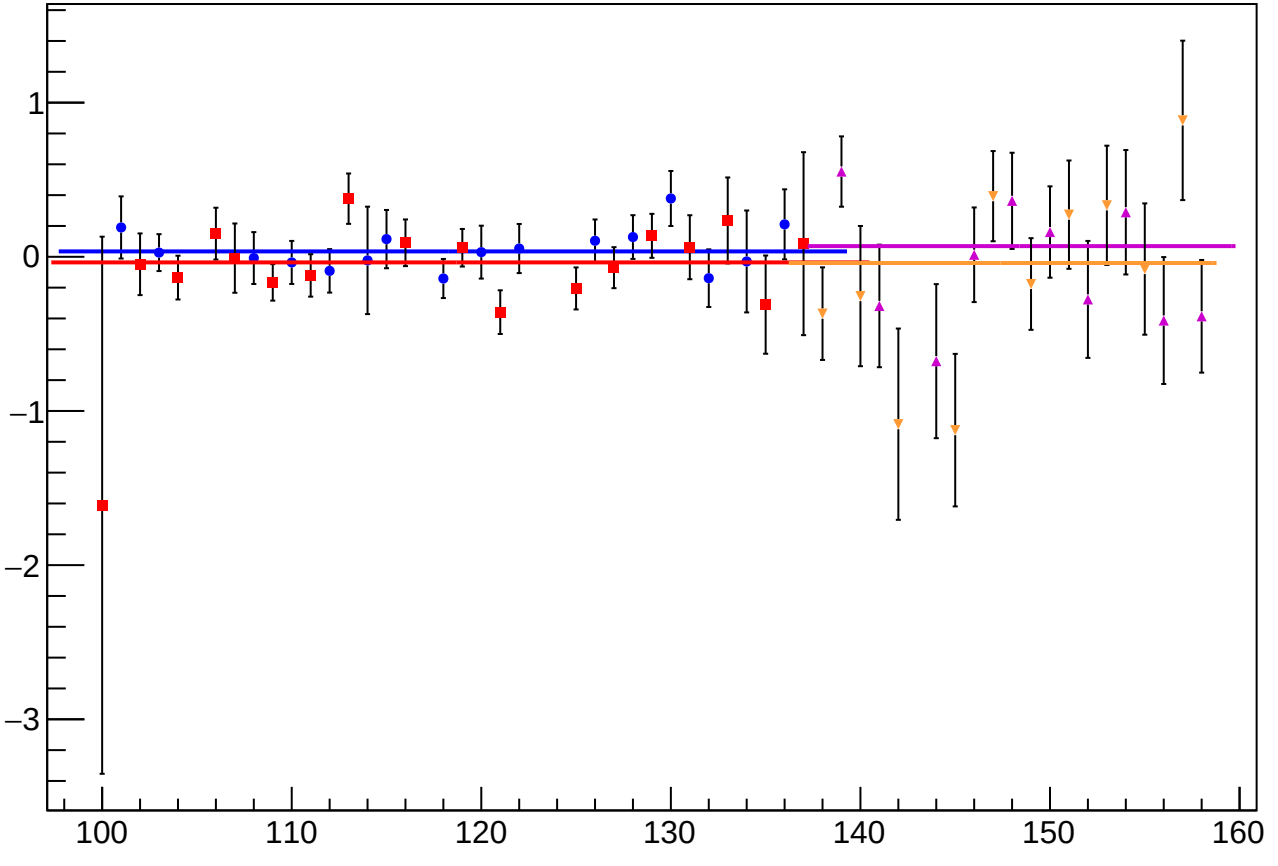
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:12984757.0/25

Out: 0.003+/-0.000 χ^2/NDF:13183269.3/27

All: 0.003+/-0.000 χ^2/NDF: 26463355.1/53

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.040+/-0.120 χ^2/NDF:16.4/9

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.069+/-0.106 χ^2/NDF:12.7/9

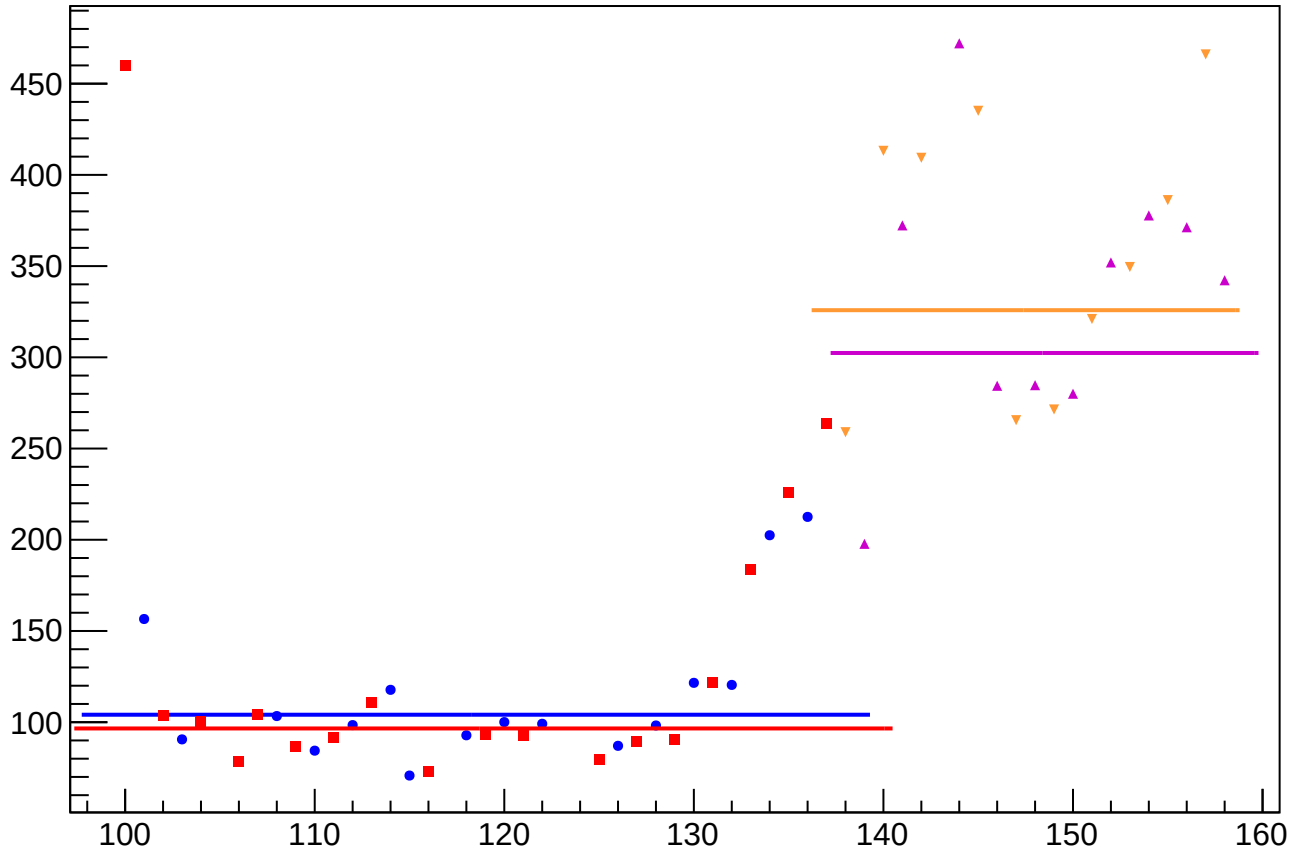
Left: 0.021+/-0.080 χ^2/NDF: 29.6/19

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:22.6/25

Out: -0.037+/-0.037 χ^2/NDF:38.5/27

All: 0.000+/-0.027 χ^2/NDF: 63.1/53



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 325.838+/-0.085 χ^2/NDF:653899.0/9

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 302.379+/-0.075 χ^2/NDF:921796.7/9

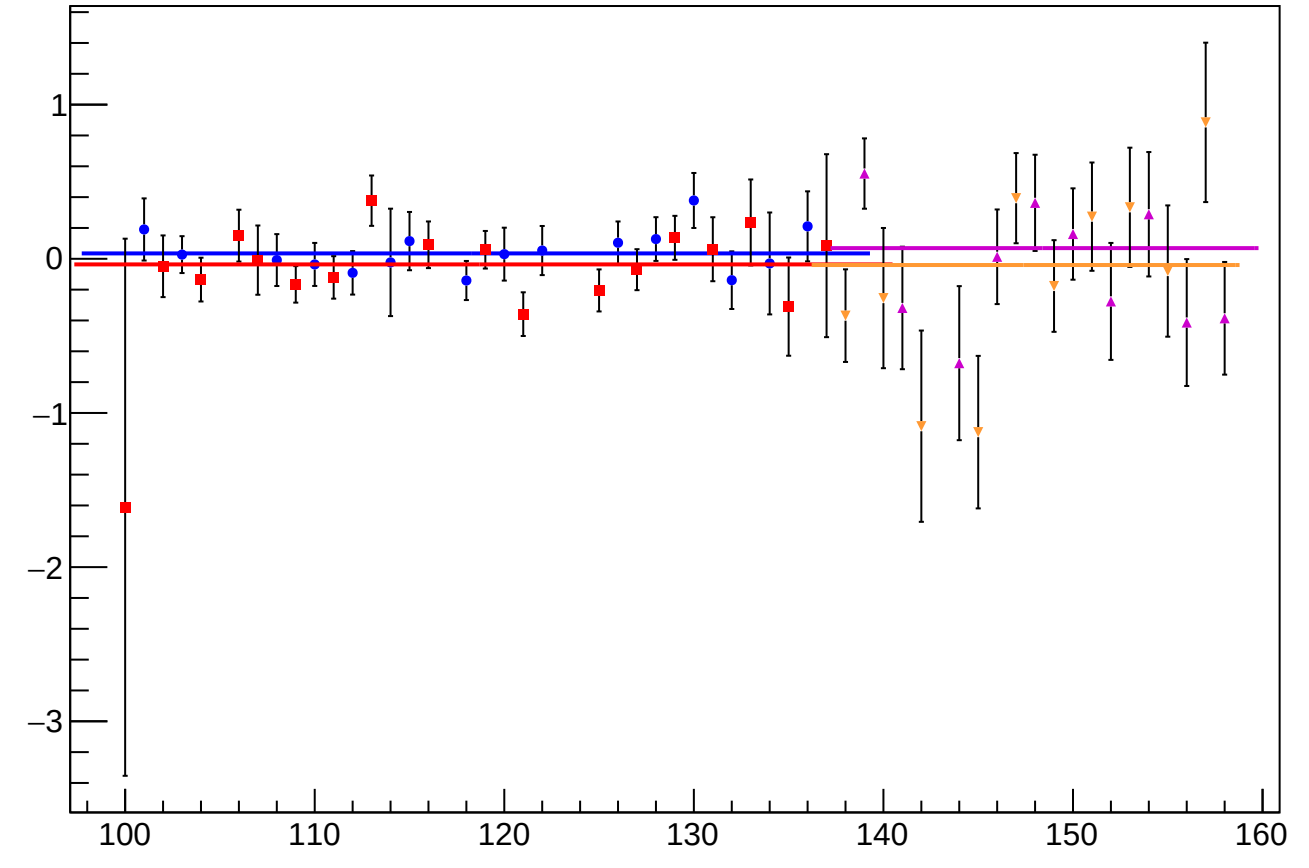
Left: 312.722+/-0.056 χ^2/NDF: 1618558.6/19

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 129.766+/-0.027 χ^2/NDF:7957265.4/25

Out: 118.432+/-0.026 χ^2/NDF:8233774.6/27

All: 123.906+/-0.019 χ^2/NDF: 16281686.4/53



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.040+/-0.120 χ^2/NDF:16.4/9

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.069+/-0.106 χ^2/NDF:12.7/9

Left: 0.021+/-0.080 χ^2/NDF: 29.6/19

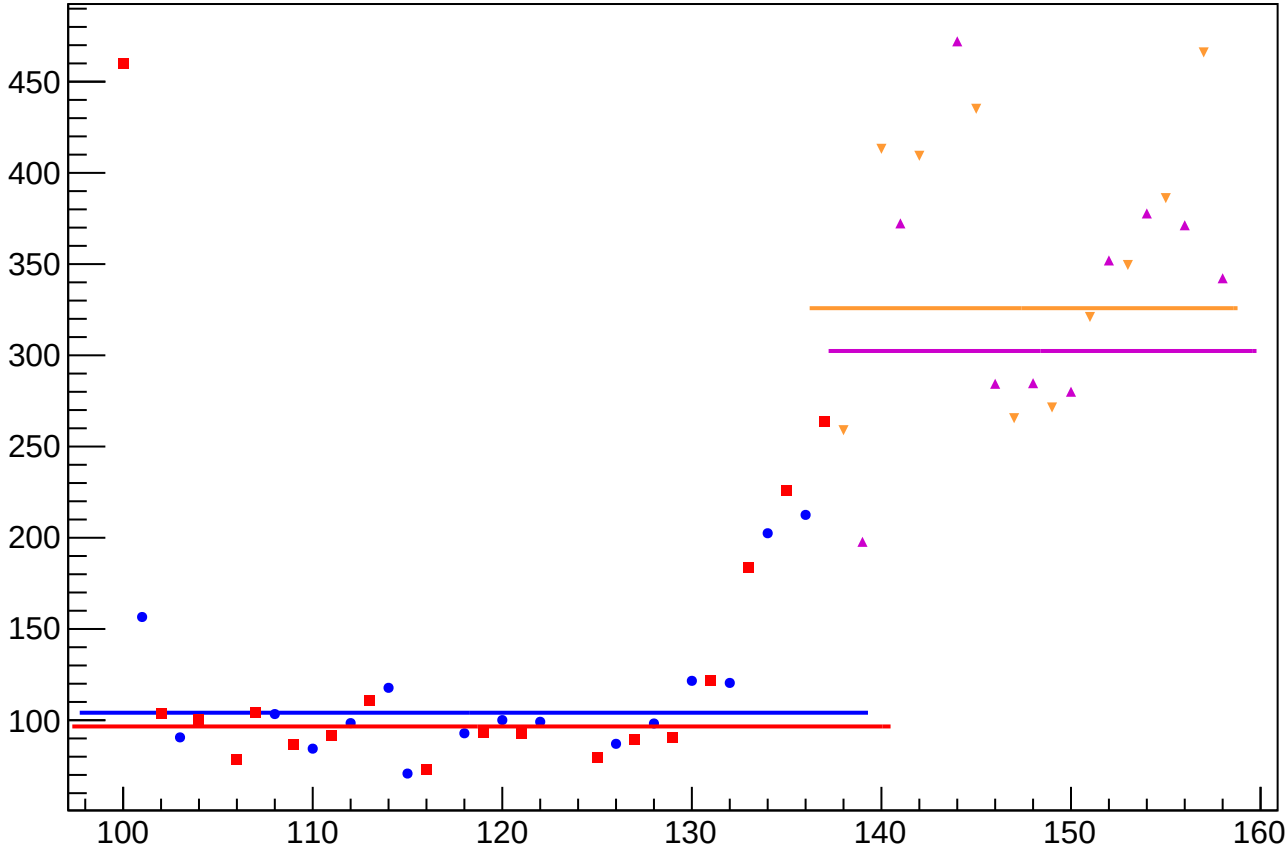
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:22.6/25

Out: -0.037+/-0.037 χ^2/NDF:38.5/27

All: 0.000+/-0.027 χ^2/NDF: 63.1/53

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: 325.838+/-0.085 χ^2/NDF:653899.0/9

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 302.379+/-0.075 χ^2/NDF:921796.7/9

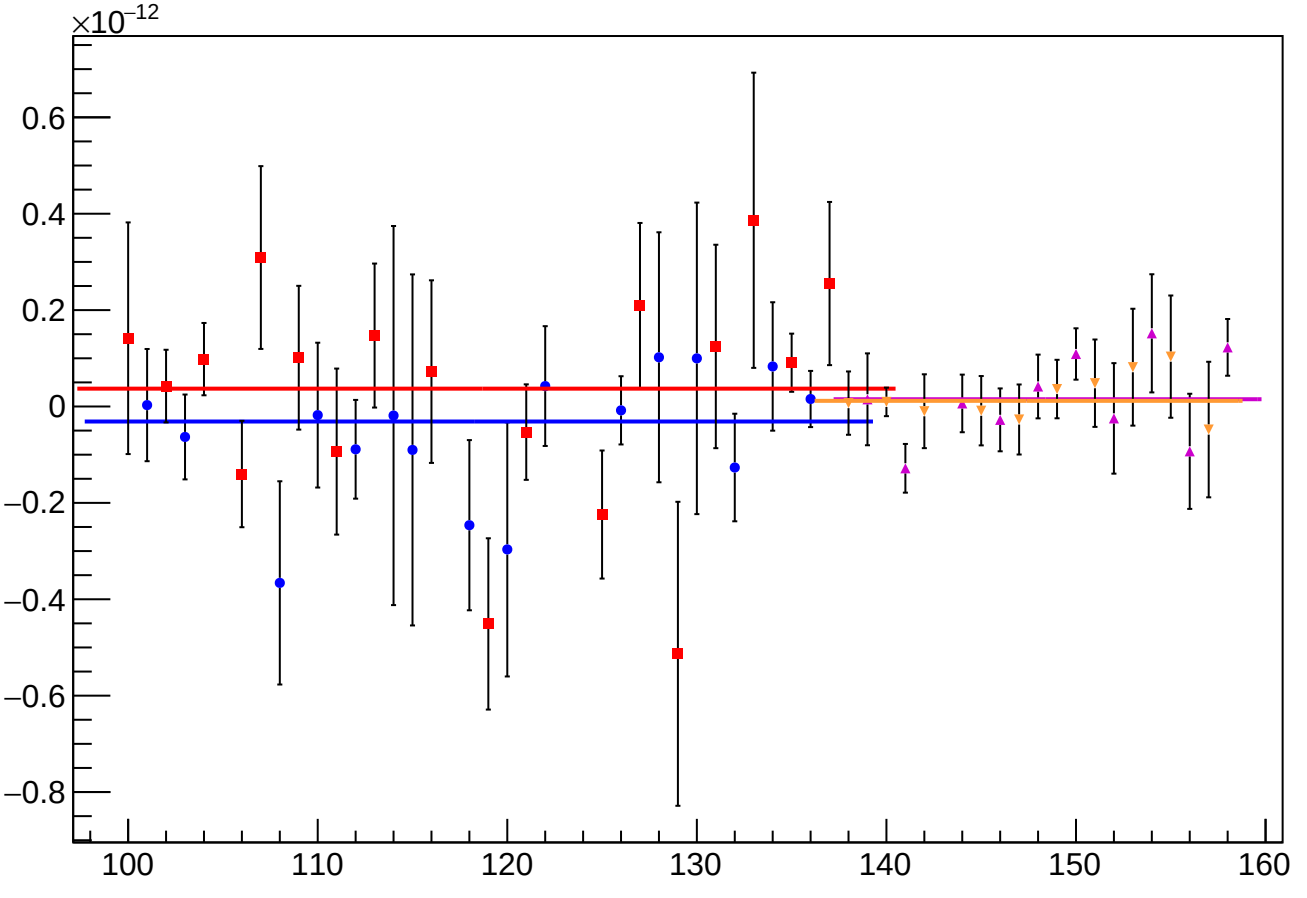
Left: 312.722+/-0.056 χ^2/NDF: 1618558.6/19

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 129.766+/-0.027 χ^2/NDF:7957265.4/25

Out: 118.432+/-0.026 χ^2/NDF:8233774.6/27

All: 123.906+/-0.019 χ^2/NDF: 16281686.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:17.3/9

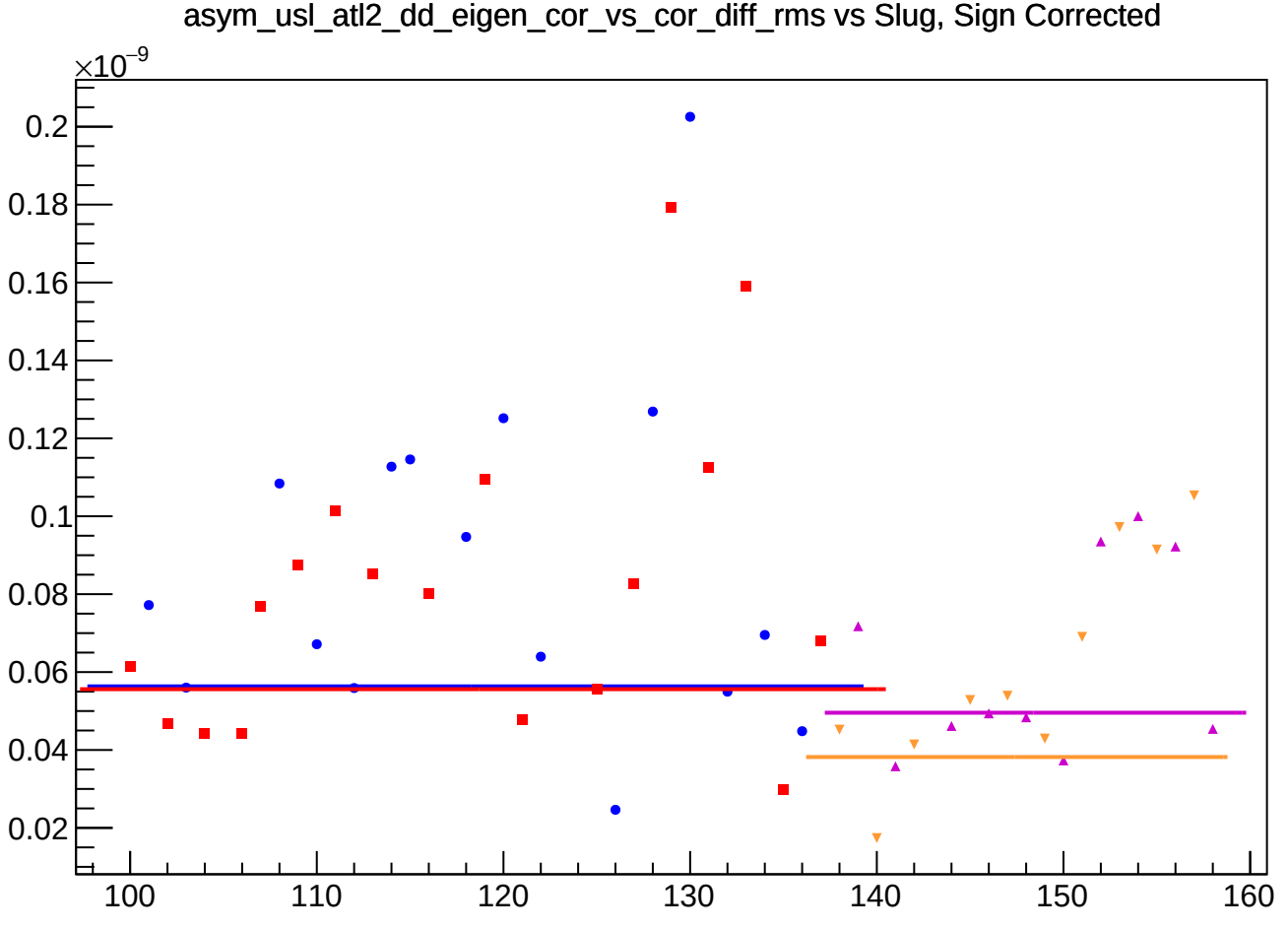
Left: 0.000+/-0.000 χ^2/NDF: 19.1/19

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:27.5/25

Out: 0.000+/-0.000 χ^2/NDF:29.4/27

All: 0.000+/-0.000 χ^2/NDF: 57.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2717579.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1267014.2/9

Left: 0.000+/-0.000 χ^2/NDF: 4279663.2/19

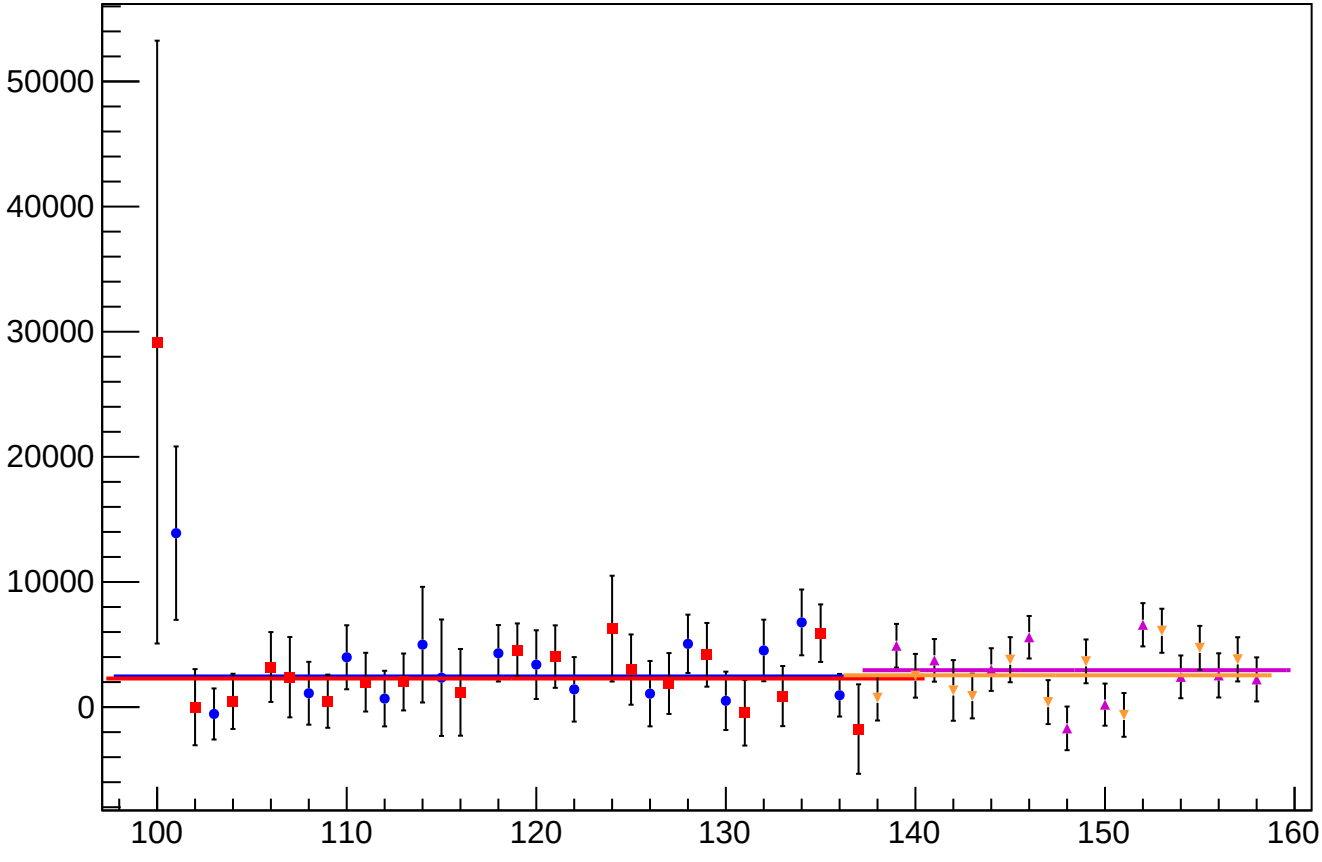
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:2917545.3/25

Out: 0.000+/-0.000 χ^2/NDF:4979498.1/27

All: 0.000+/-0.000 χ^2/NDF: 8123088.0/53

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2542.624+/-544.963 χ^2/NDF:13.9/10

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2950.835+/-545.110 χ^2/NDF:18.4/9

Left: 2746.675+/-385.399 χ^2/NDF: 32.6/20

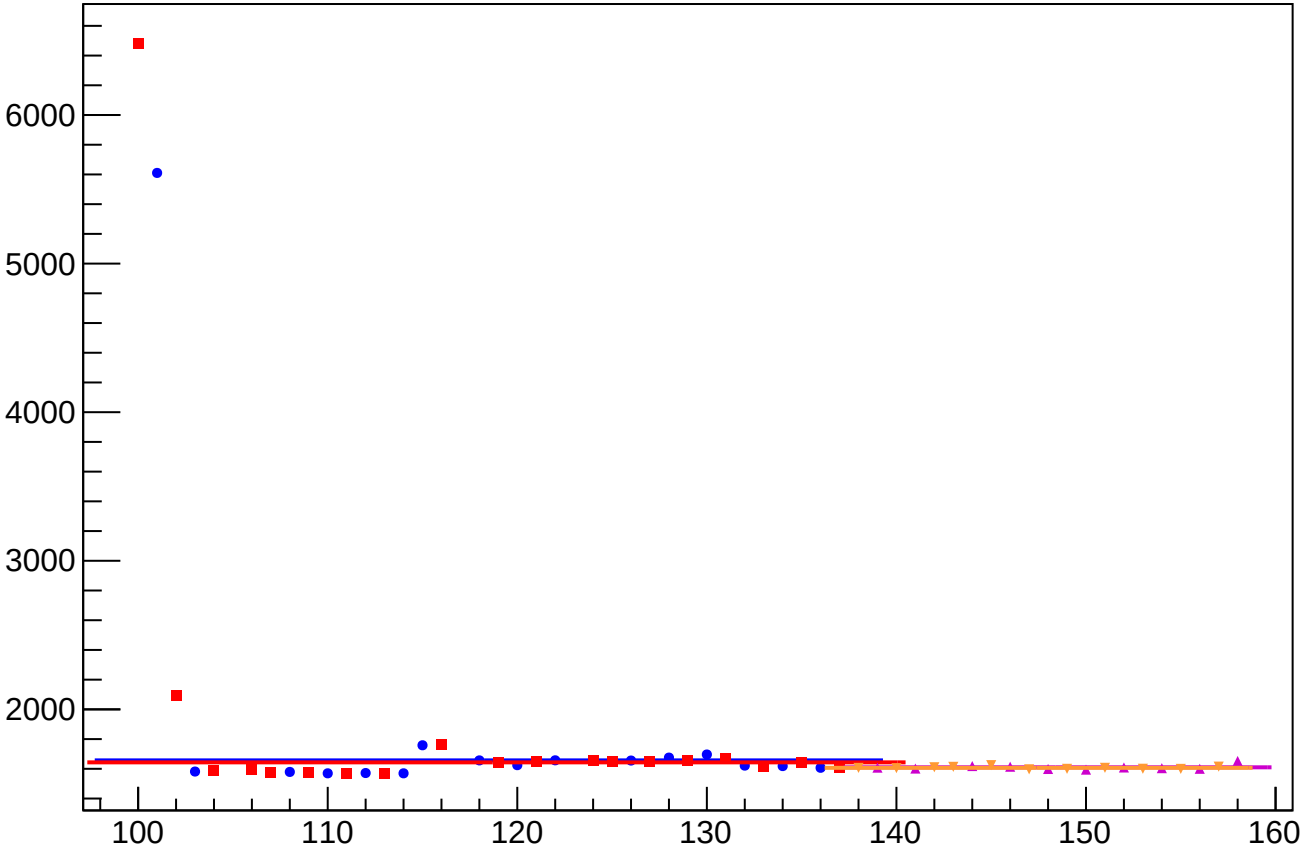
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2736.483+/-412.287 χ^2/NDF:32.6/25

Out: 2428.797+/-406.153 χ^2/NDF:25.8/29

All: 2580.333+/-289.338 χ^2/NDF: 58.7/55

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1606.665+/-0.385 χ^2/NDF:429.5/10

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

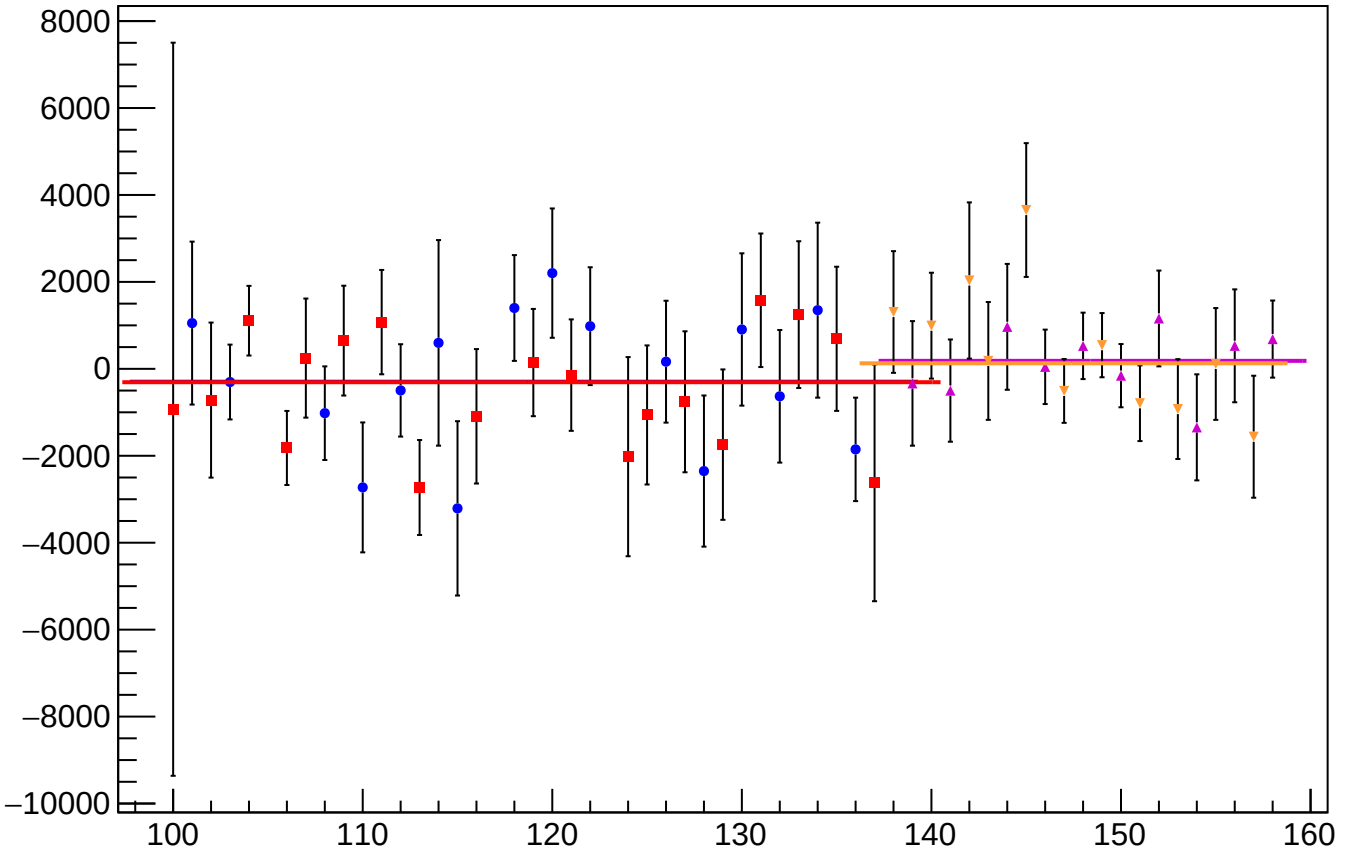
Left: 1608.376+/-0.273 χ^2/NDF: 2094.4/20

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1630.029+/-0.292 χ^2/NDF:674105.1/25

Out: 1623.009+/-0.287 χ^2/NDF:141474.0/29

All: 1626.466+/-0.205 χ^2/NDF: 815873.4/55



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 127.399+/-327.155 χ^2/NDF:12.1/10

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 183.872+/-315.994 χ^2/NDF:4.0/9

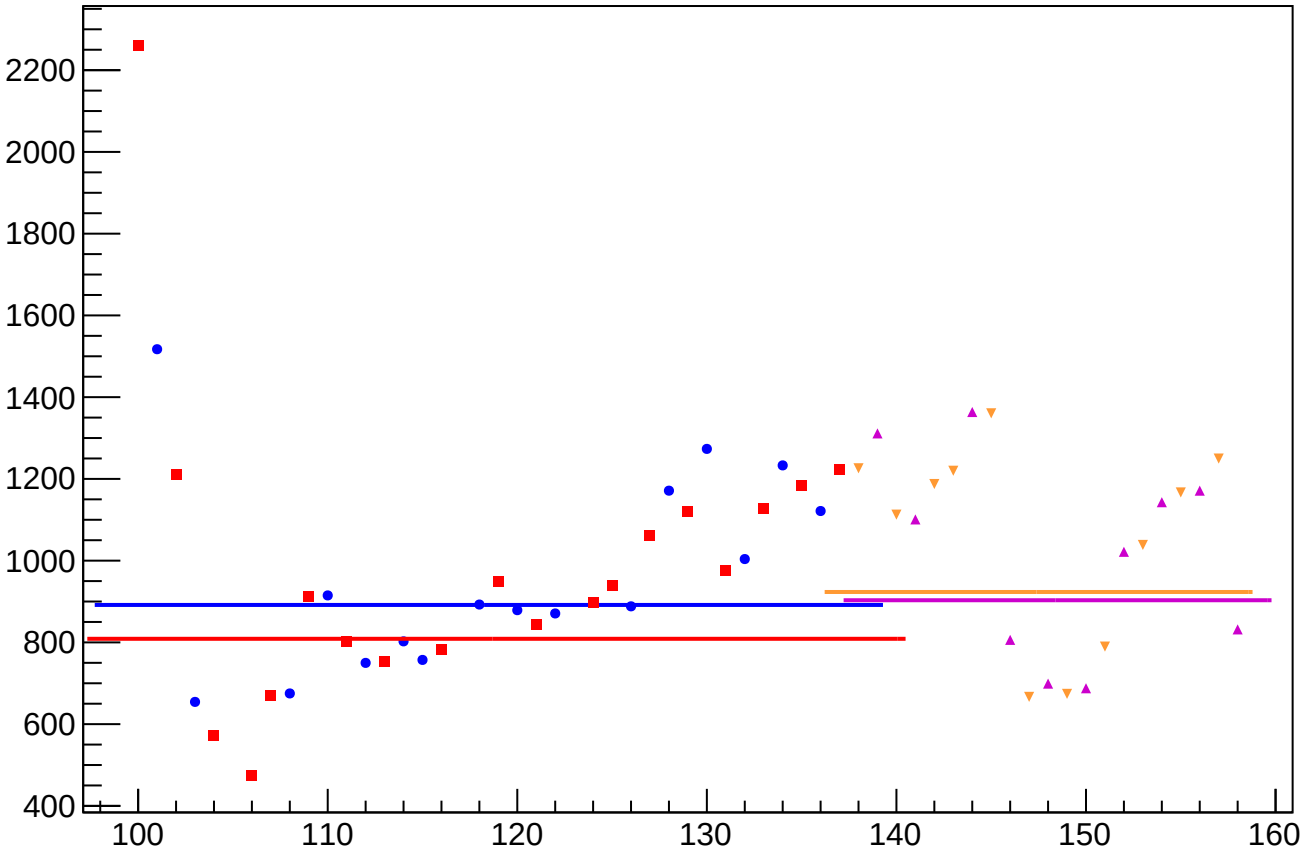
Left: 156.615+/-227.285 χ^2/NDF: 16.0/20

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -36.335+/-232.539 χ^2/NDF:21.0/25

Out: -99.768+/-226.154 χ^2/NDF:31.7/29

All: -68.934+/-162.125 χ^2/NDF: 52.7/55



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 923.355+/-0.231 χ^2/NDF:1161807.7/10

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 903.138+/-0.223 χ^2/NDF:963266.8/9

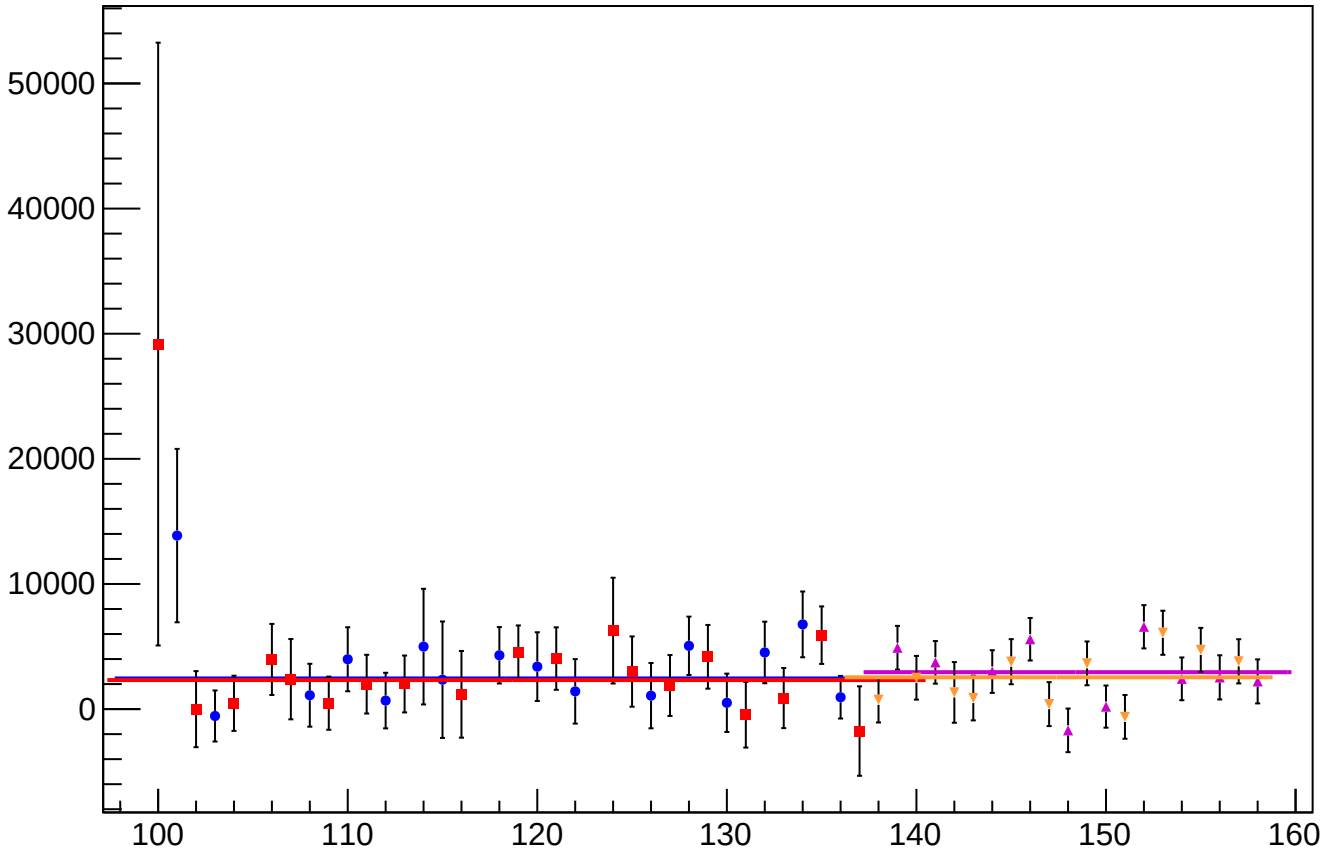
Left: 912.896+/-0.161 χ^2/NDF: 2129026.1/20

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 897.863+/-0.164 χ^2/NDF:1758379.4/25

Out: 863.546+/-0.160 χ^2/NDF:2373667.0/29

All: 880.227+/-0.115 χ^2/NDF: 4154430.9/55



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2542.621+/-544.963 χ^2/NDF:13.9/10

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2950.887+/-545.110 χ^2/NDF:18.4/9

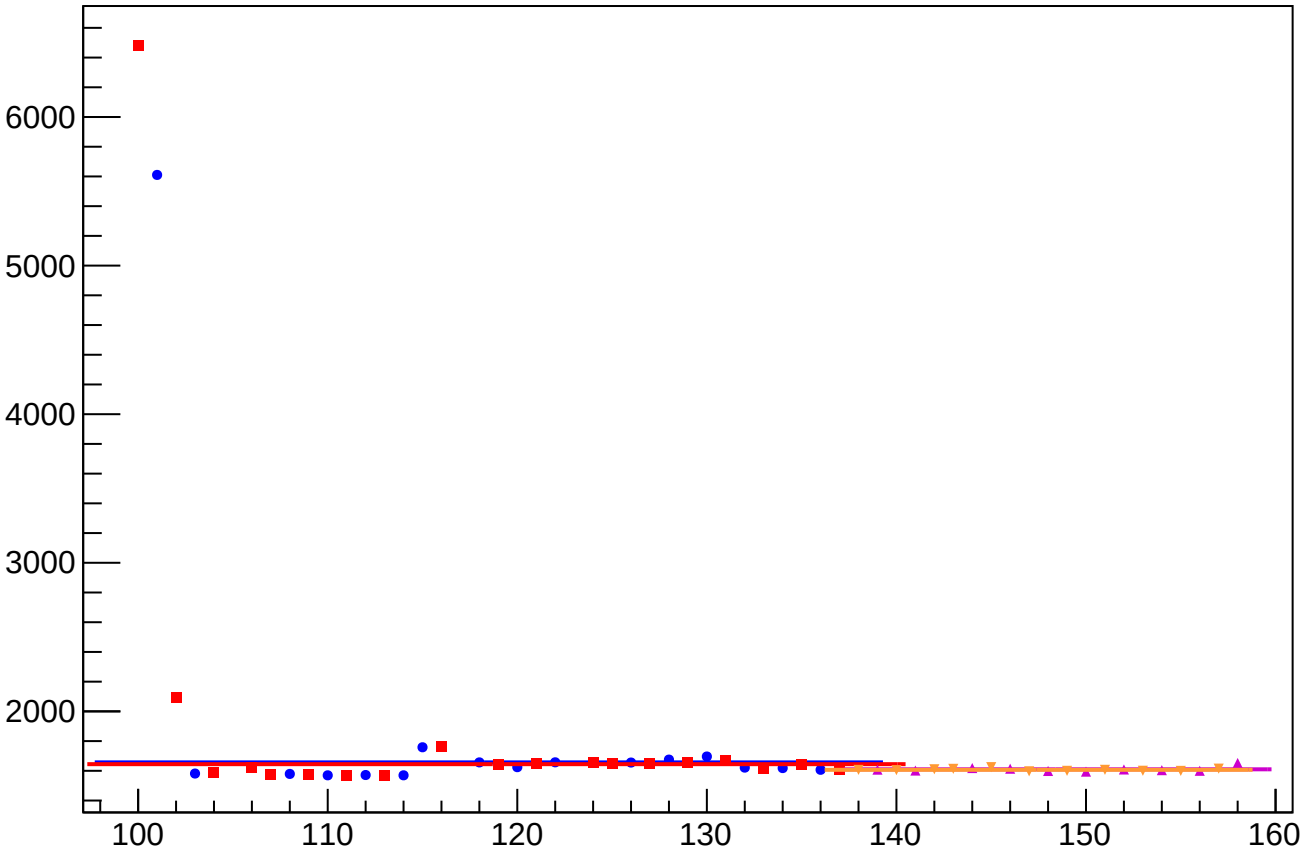
Left: 2746.699+/-385.399 χ^2/NDF: 32.6/20

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2736.273+/-412.288 χ^2/NDF:32.6/25

Out: 2444.000+/-406.301 χ^2/NDF:26.0/29

All: 2587.999+/-289.392 χ^2/NDF: 58.9/55



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.665+/-0.385 χ^2/NDF:429.5/10

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

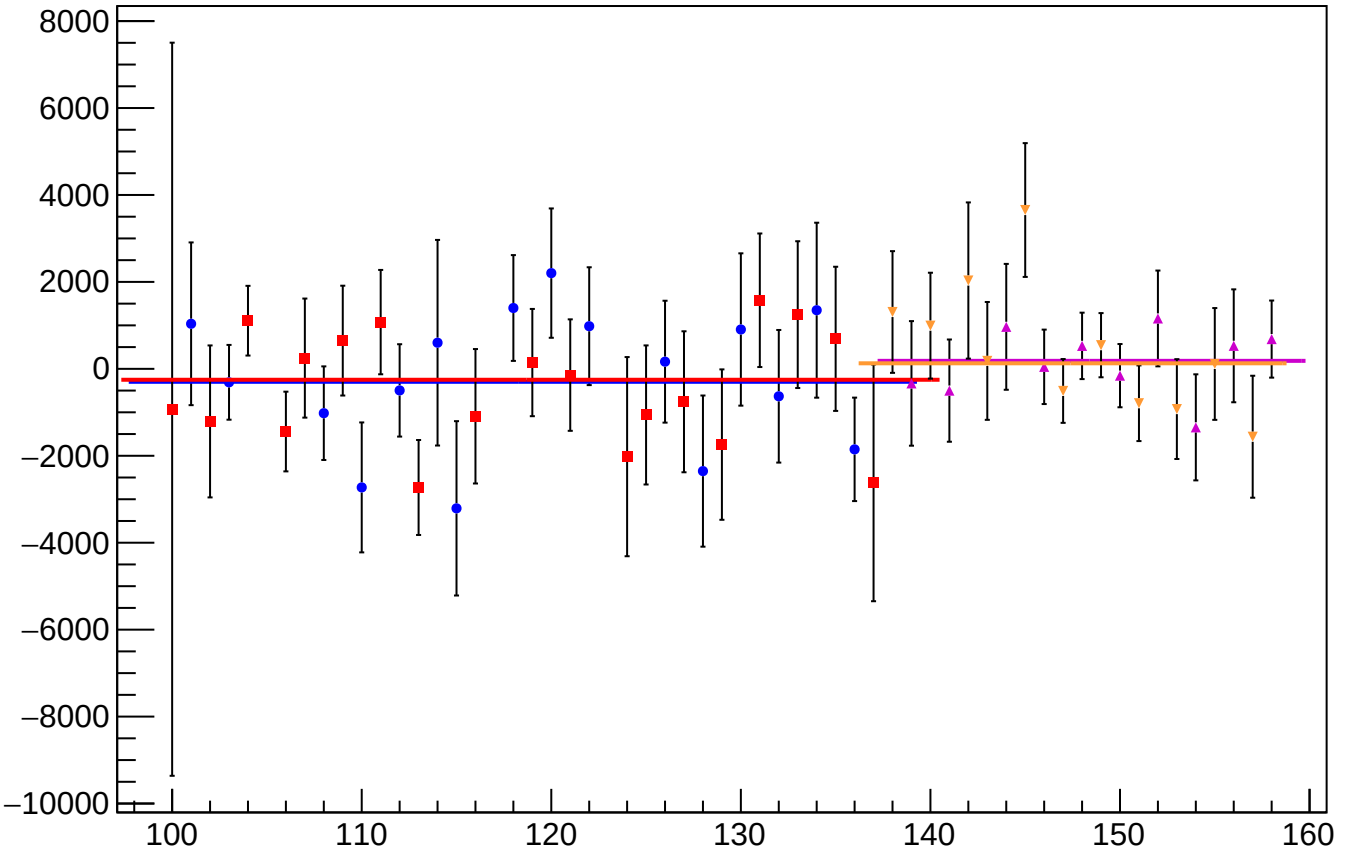
Left: 1608.376+/-0.273 χ^2/NDF: 2094.4/20

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1630.029+/-0.292 χ^2/NDF:674104.6/25

Out: 1623.572+/-0.287 χ^2/NDF:141247.1/29

All: 1626.754+/-0.205 χ^2/NDF: 815600.6/55



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 127.285+/-327.151 χ^2/NDF:12.1/10

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 183.901+/-315.995 χ^2/NDF:4.0/9

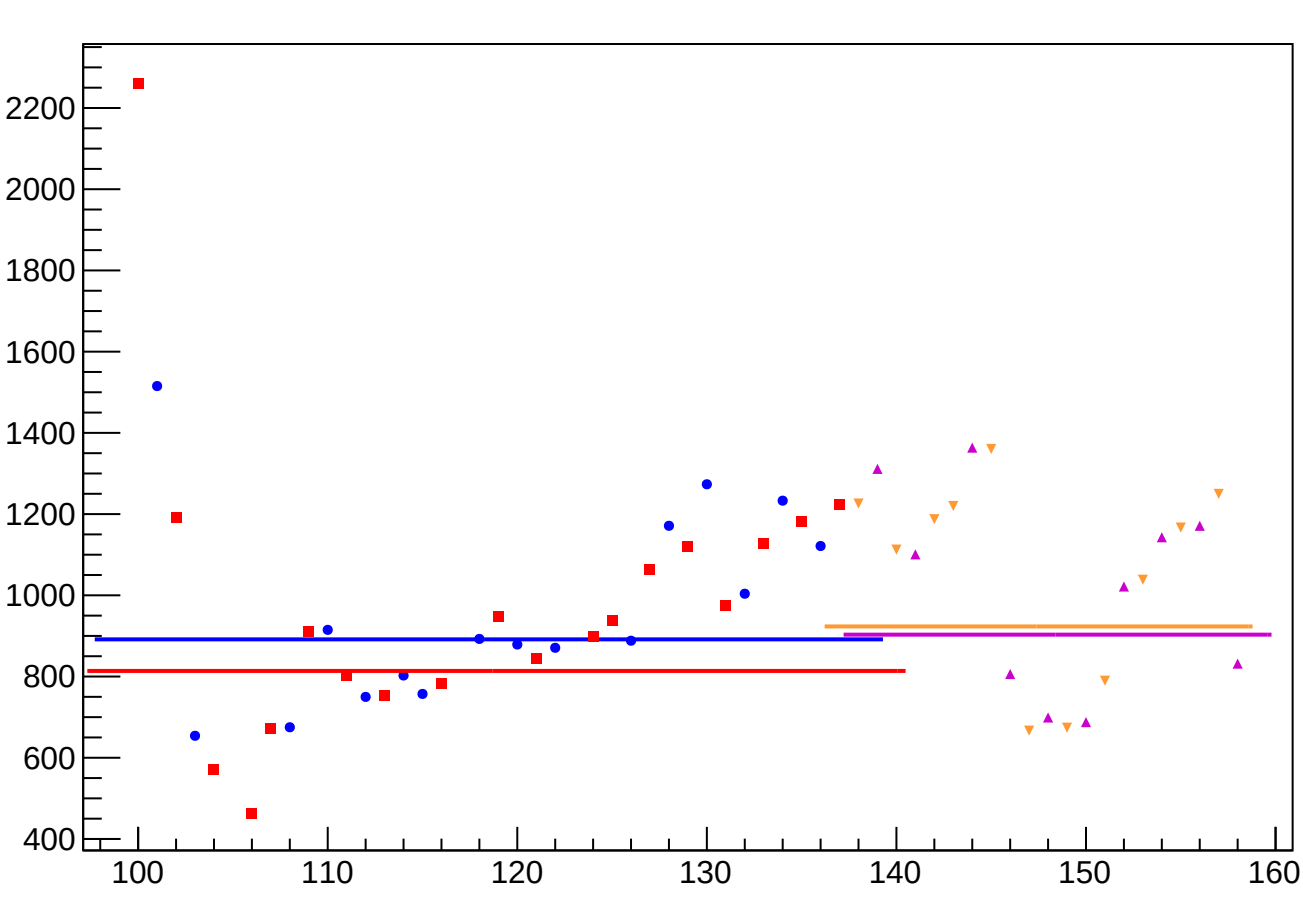
Left: 156.575+/-227.284 χ^2/NDF: 16.0/20

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -36.968+/-232.525 χ^2/NDF:21.0/25

Out: -68.683+/-227.192 χ^2/NDF:30.0/29

All: -53.194+/-162.502 χ^2/NDF: 51.0/55



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 923.341+/-0.231 χ^2/NDF:1161890.2/10

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 903.142+/-0.223 χ^2/NDF:963227.6/9

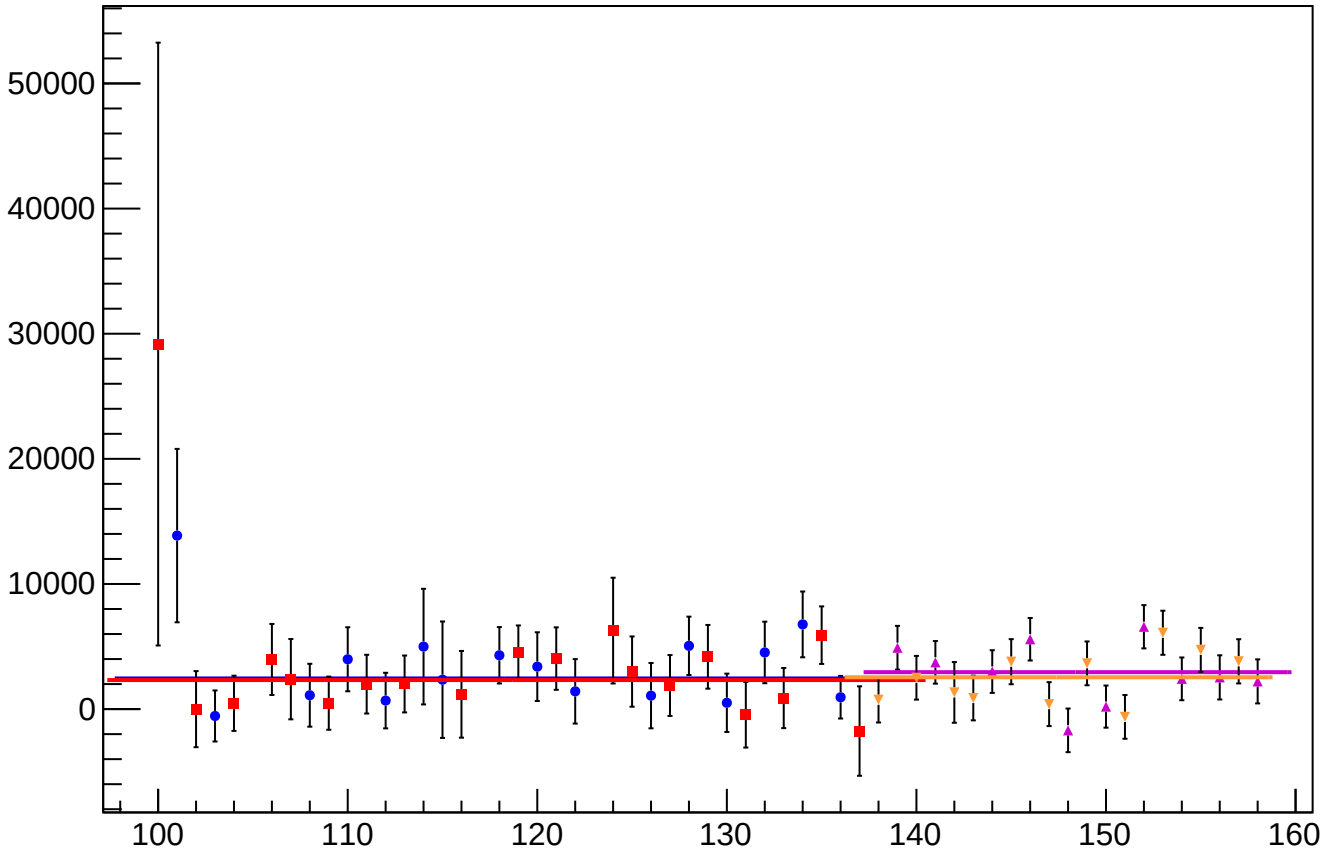
Left: 912.891+/-0.161 χ^2/NDF: 2129062.0/20

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 897.819+/-0.164 χ^2/NDF:1758122.6/25

Out: 866.632+/-0.161 χ^2/NDF:2330955.6/29

All: 881.864+/-0.115 χ^2/NDF: 4107484.4/55



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2542.621+/-544.963 χ^2/NDF:13.9/10

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2950.887+/-545.110 χ^2/NDF:18.4/9

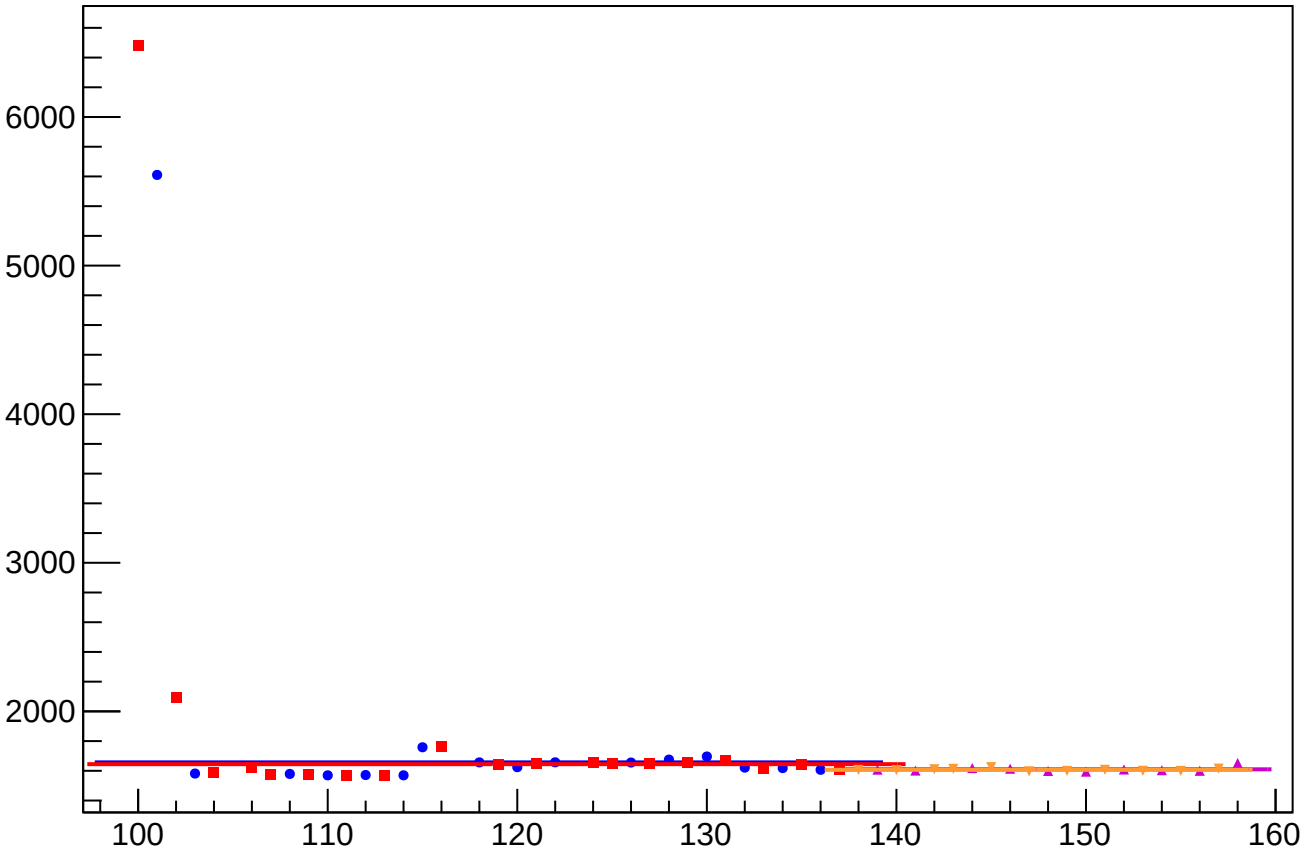
Left: 2746.699+/-385.399 χ^2/NDF: 32.6/20

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2736.273+/-412.288 χ^2/NDF:32.6/25

Out: 2444.000+/-406.301 χ^2/NDF:26.0/29

All: 2587.999+/-289.392 χ^2/NDF: 58.9/55



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.665+/-0.385 χ^2/NDF:429.5/10

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

Left: 1608.376+/-0.273 χ^2/NDF: 2094.4/20

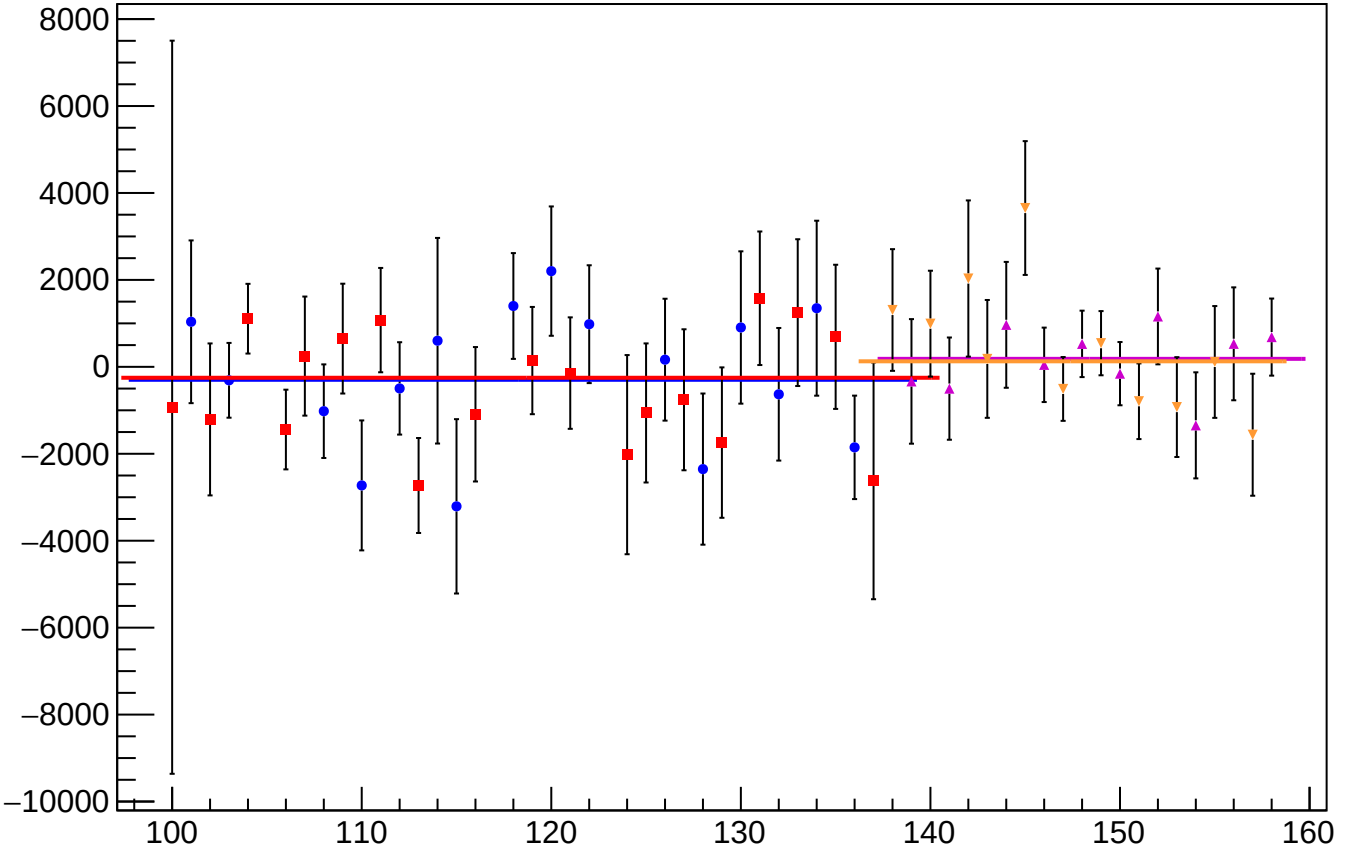
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1630.029+/-0.292 χ^2/NDF:674104.6/25

Out: 1623.572+/-0.287 χ^2/NDF:141247.1/29

All: 1626.754+/-0.205 χ^2/NDF: 815600.6/55

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: 127.285+/-327.151 χ^2/NDF:12.1/10

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 183.901+/-315.995 χ^2/NDF:4.0/9

Left: 156.575+/-227.284 χ^2/NDF: 16.0/20

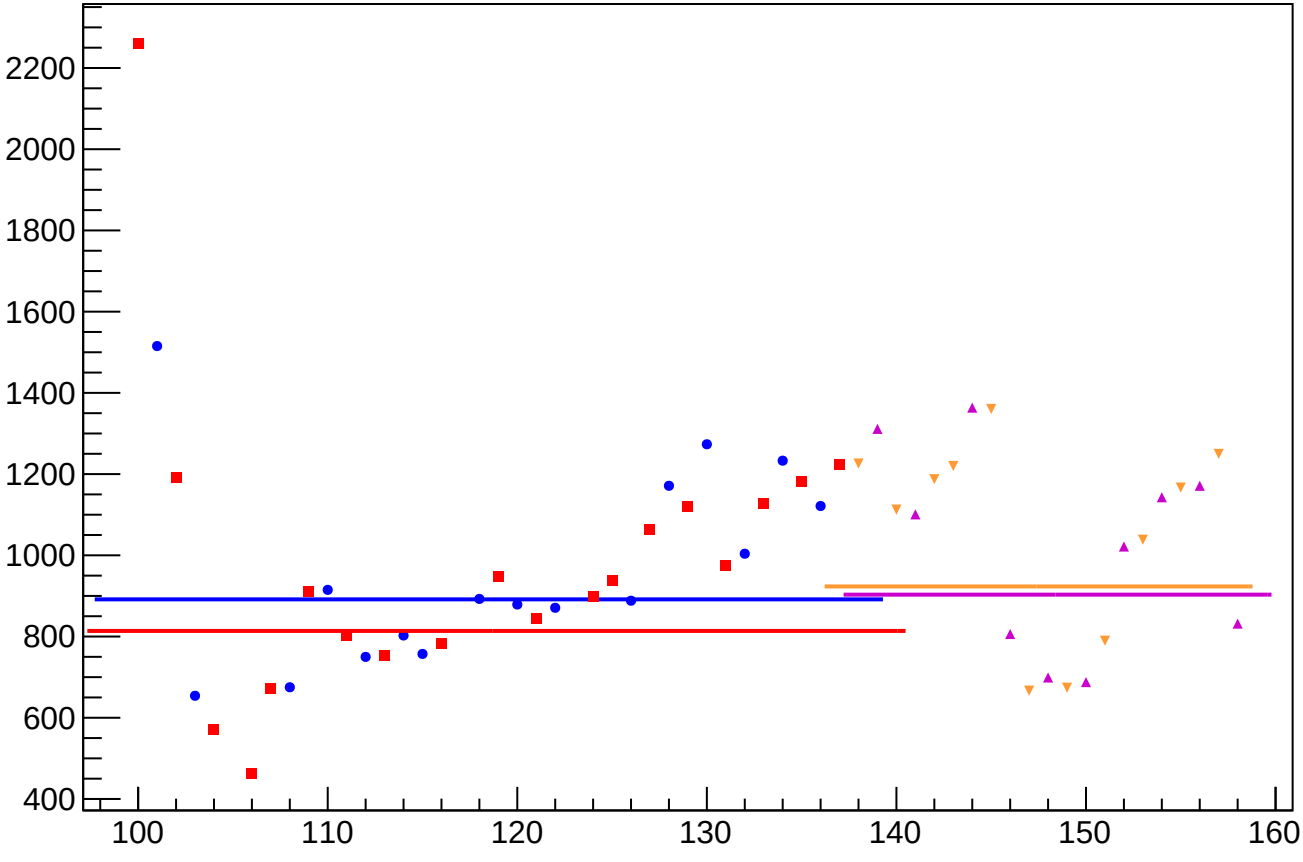
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -36.968+/-232.525 χ^2/NDF:21.0/25

Out: -68.683+/-227.192 χ^2/NDF:30.0/29

All: -53.194+/-162.502 χ^2/NDF: 51.0/55

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: 923.341+/-0.231 χ^2/NDF:1161890.2/10

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 903.142+/-0.223 χ^2/NDF:963227.6/9

Left: 912.891+/-0.161 χ^2/NDF: 2129062.0/20

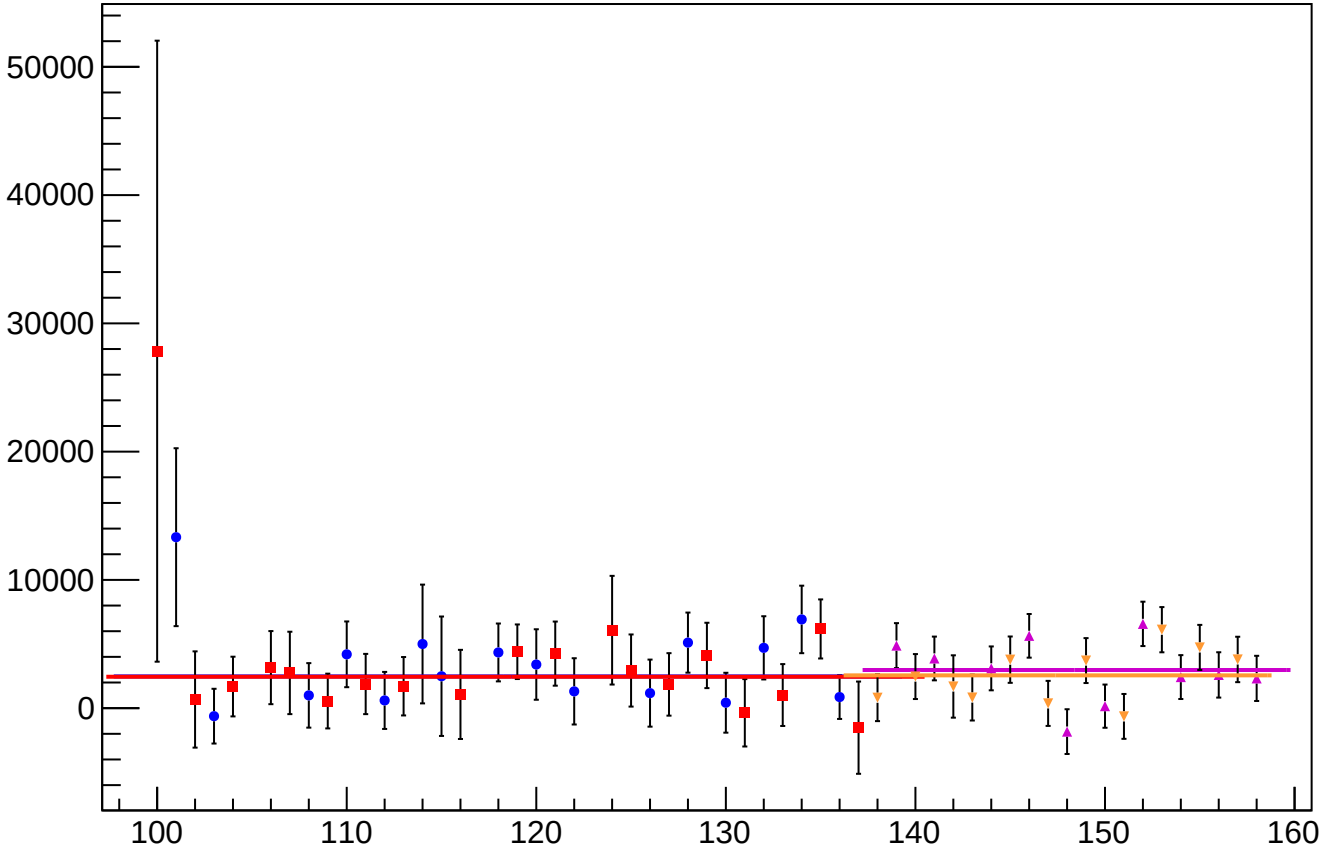
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 897.819+/-0.164 χ^2/NDF:1758122.6/25

Out: 866.632+/-0.161 χ^2/NDF:2330955.6/29

All: 881.864+/-0.115 χ^2/NDF: 4107484.4/55

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2557.919+/-545.916 χ^2/NDF:13.9/10

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2975.442+/-545.824 χ^2/NDF:18.9/9

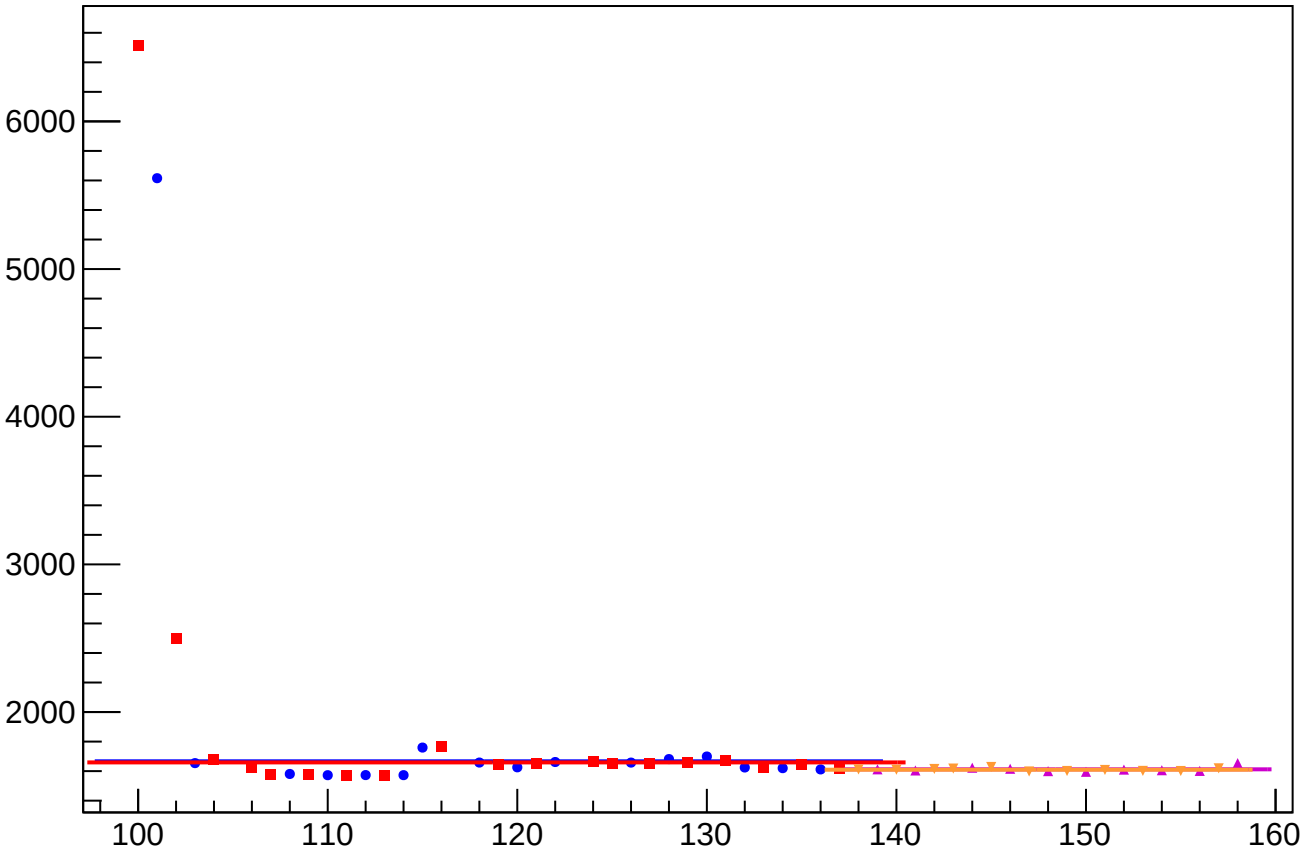
Left: 2766.716+/-385.988 χ^2/NDF: 33.1/20

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2762.460+/-413.610 χ^2/NDF:33.5/25

Out: 2510.162+/-409.008 χ^2/NDF:24.4/29

All: 2634.900+/-290.826 χ^2/NDF: 58.1/55



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.463+/-0.386 χ^2/NDF:549.2/10

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1612.180+/-0.386 χ^2/NDF:1667.6/9

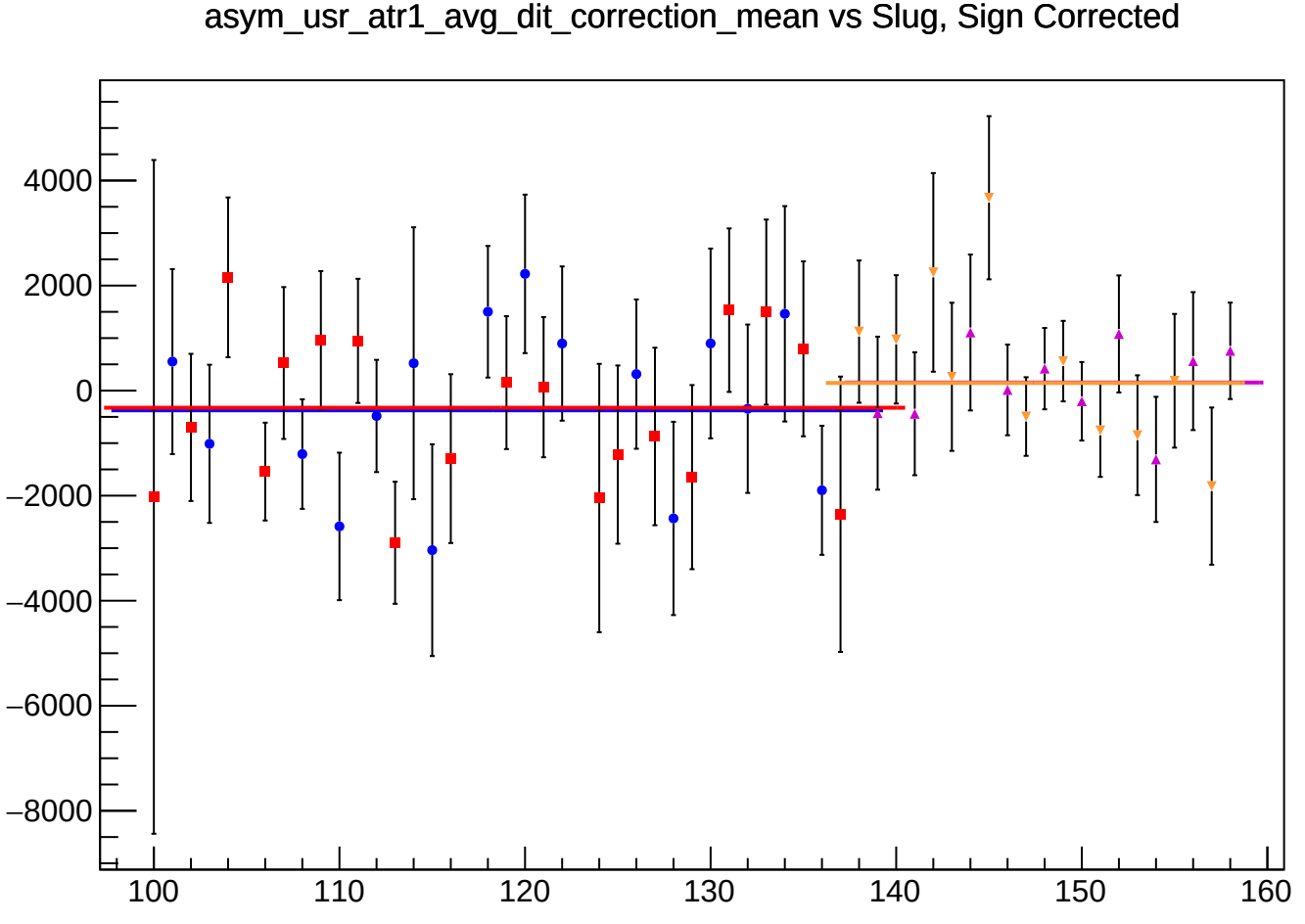
Left: 1610.822+/-0.273 χ^2/NDF: 2241.6/20

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1635.266+/-0.292 χ^2/NDF:672985.0/25

Out: 1631.196+/-0.289 χ^2/NDF:200998.5/29

All: 1633.208+/-0.206 χ^2/NDF: 874081.4/55



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 145.607+/-333.256 χ^2/NDF:11.9/10

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 154.358+/-320.597 χ^2/NDF:3.9/9

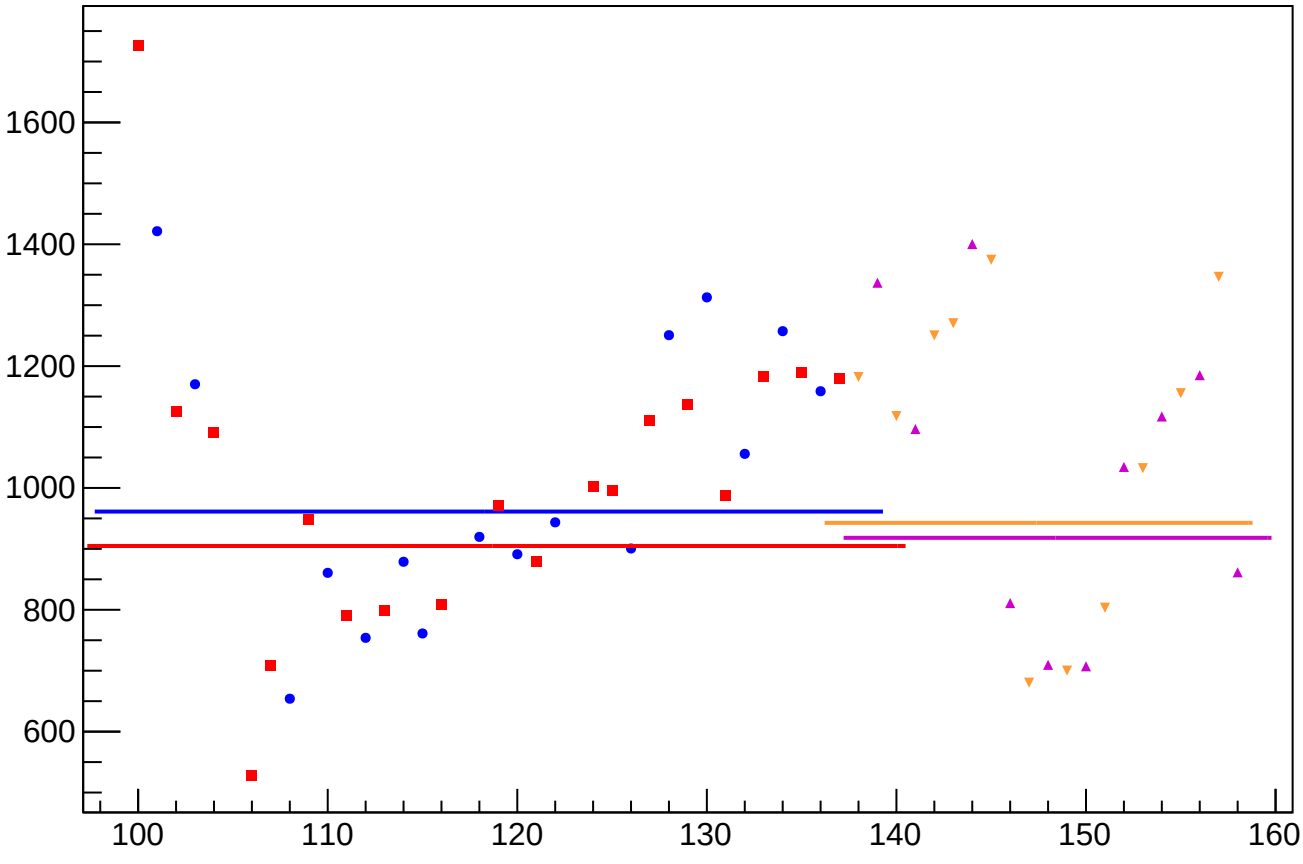
Left: 150.152+/-231.042 χ^2/NDF: 15.9/20

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -73.915+/-241.714 χ^2/NDF:20.8/25

Out: -84.883+/-238.209 χ^2/NDF:30.3/29

All: -79.479+/-169.665 χ^2/NDF: 51.1/55



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 942.672+/-0.236 χ^2/NDF:1128431.1/10

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 918.142+/-0.227 χ^2/NDF:925703.1/9

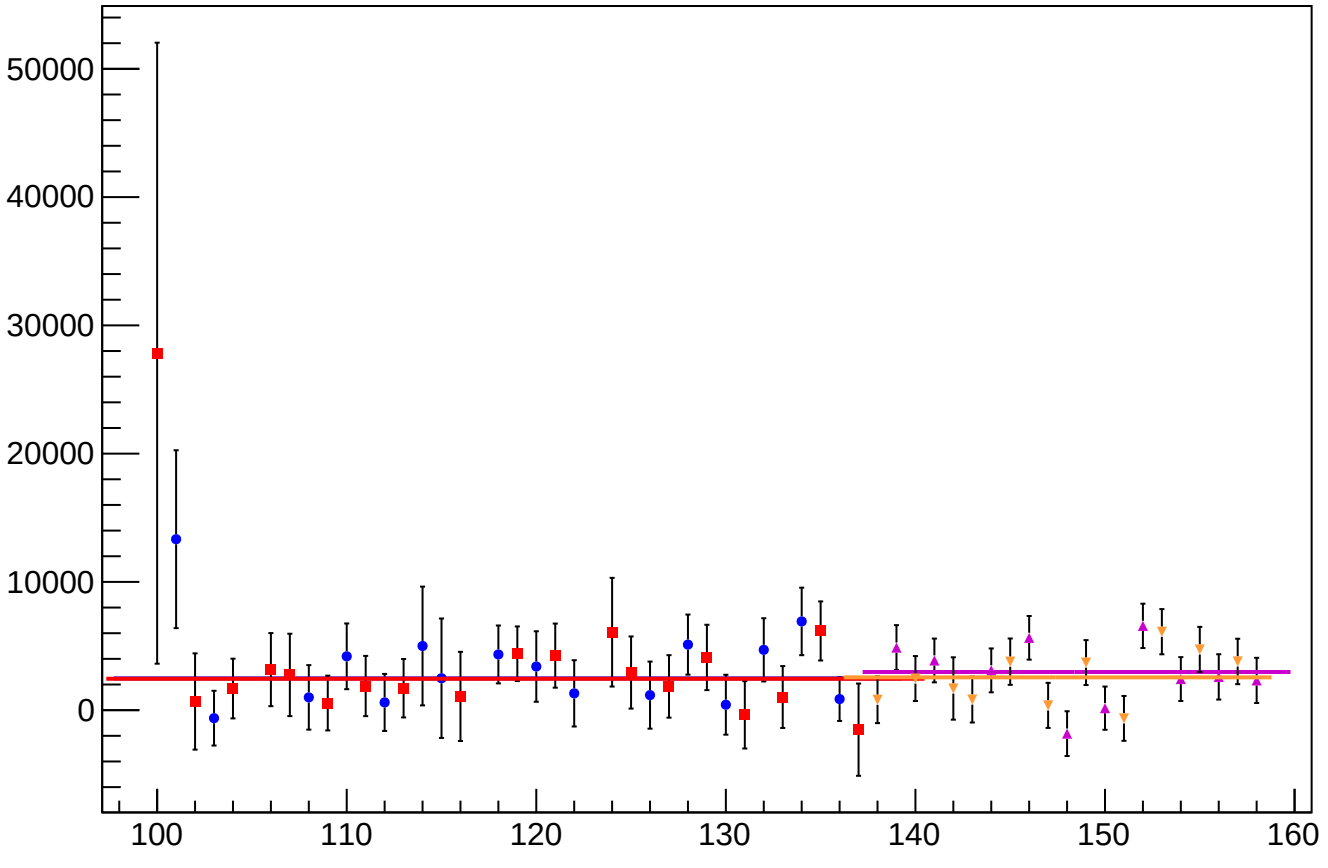
Left: 929.932+/-0.163 χ^2/NDF: 2059762.1/20

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 936.742+/-0.171 χ^2/NDF:1633178.4/25

Out: 924.119+/-0.168 χ^2/NDF:1877590.9/29

All: 930.338+/-0.120 χ^2/NDF: 3513536.6/55



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2557.919+/-545.916 χ^2/NDF:13.9/10

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2975.442+/-545.824 χ^2/NDF:18.9/9

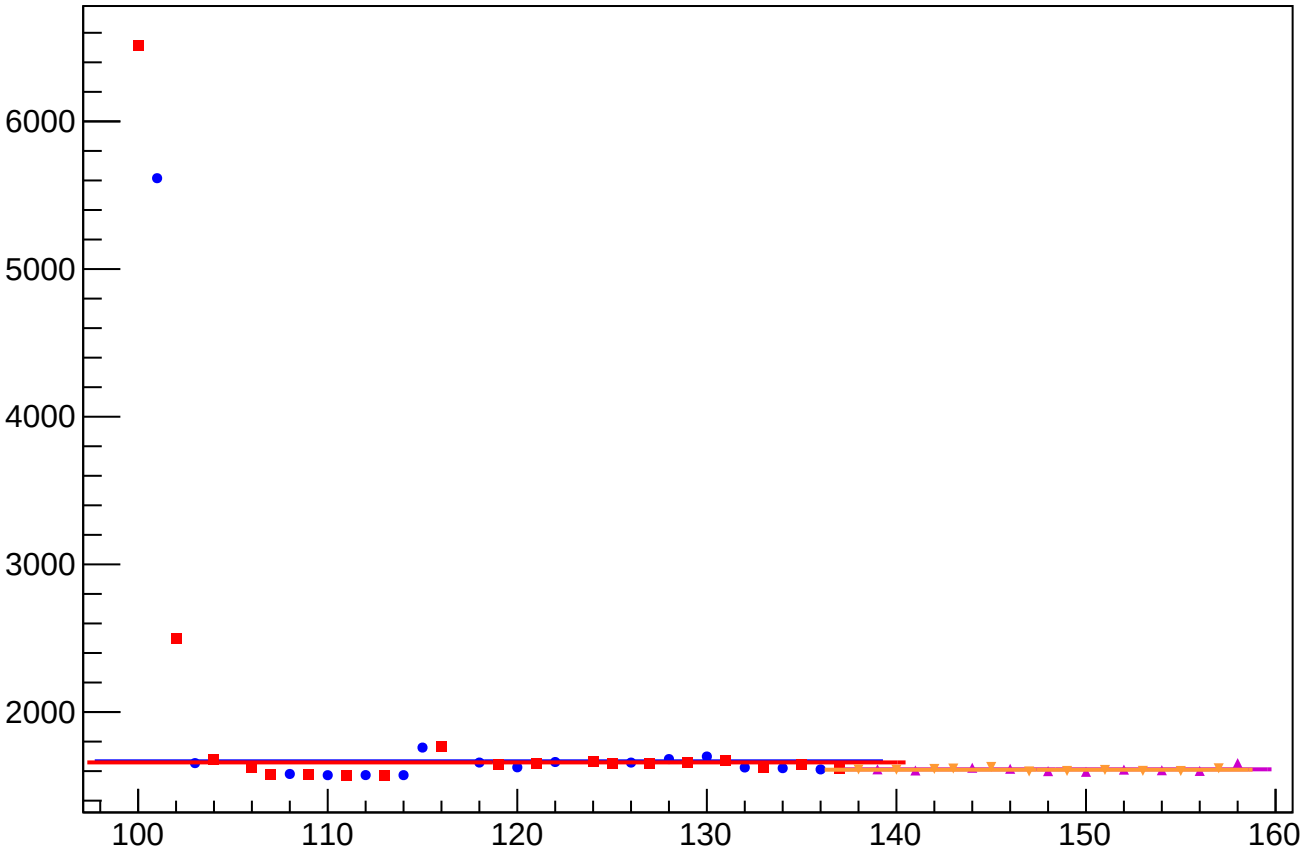
Left: 2766.716+/-385.988 χ^2/NDF: 33.1/20

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2762.460+/-413.610 χ^2/NDF:33.5/25

Out: 2510.162+/-409.008 χ^2/NDF:24.4/29

All: 2634.900+/-290.826 χ^2/NDF: 58.1/55



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.463+/-0.386 χ^2/NDF:549.2/10

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1612.180+/-0.386 χ^2/NDF:1667.6/9

Left: 1610.822+/-0.273 χ^2/NDF: 2241.6/20

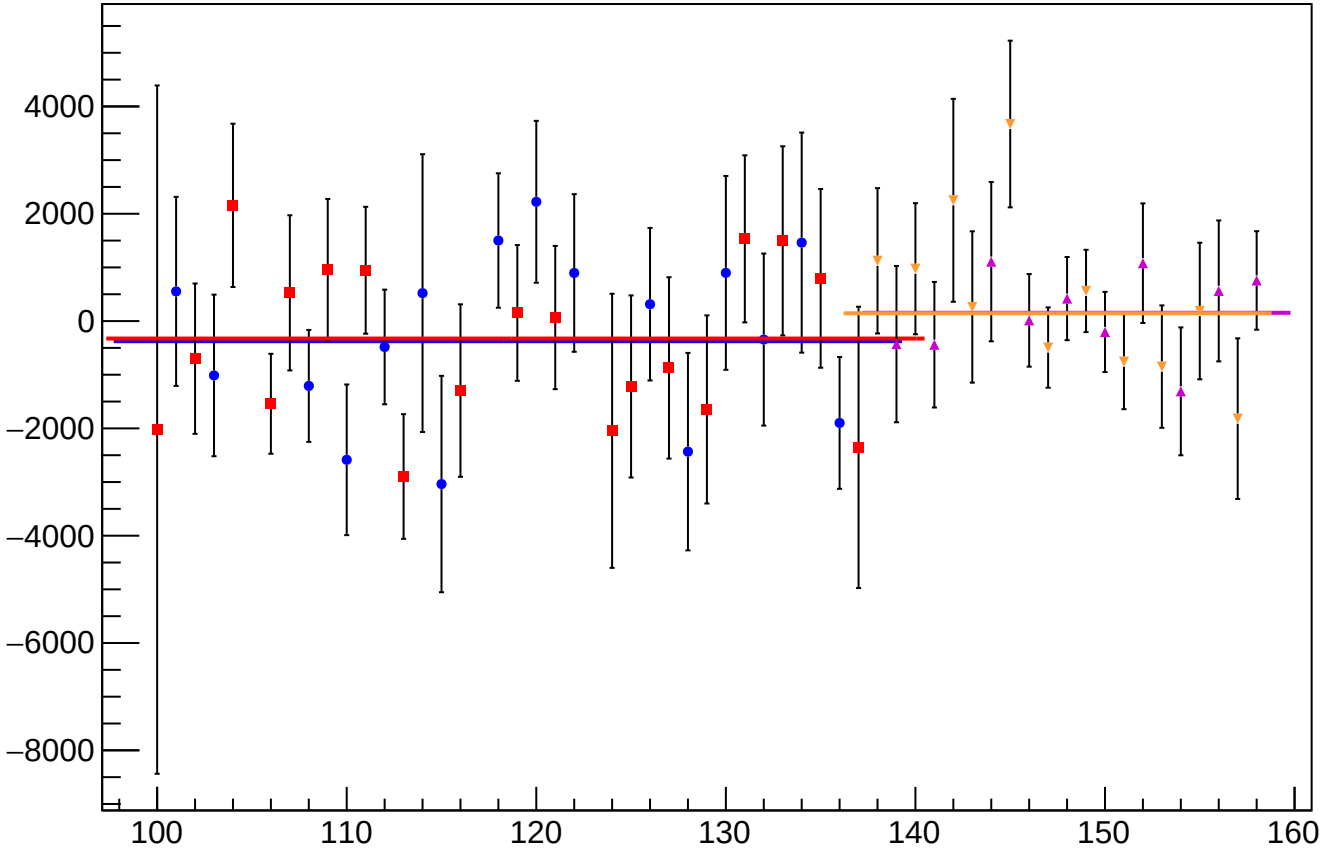
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1635.266+/-0.292 χ^2/NDF:672985.0/25

Out: 1631.196+/-0.289 χ^2/NDF:200998.3/29

All: 1633.208+/-0.206 χ^2/NDF: 874081.1/55

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 145.605+/-333.257 χ^2/NDF:11.9/10

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 154.359+/-320.597 χ^2/NDF:3.9/9

Left: 150.151+/-231.043 χ^2/NDF: 15.9/20

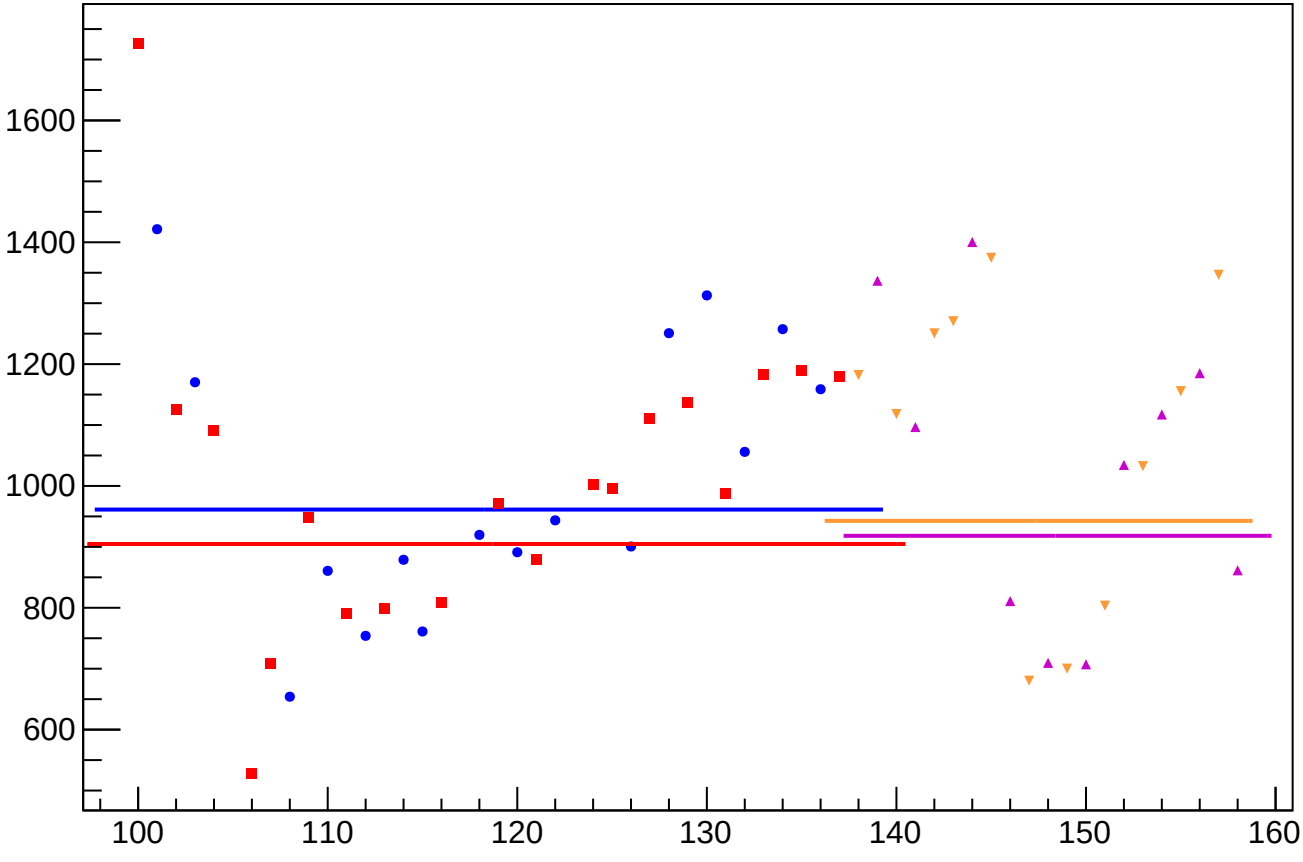
Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -73.915+/-241.714 χ^2/NDF:20.8/25

Out: -84.884+/-238.209 χ^2/NDF:30.3/29

All: -79.480+/-169.665 χ^2/NDF: 51.1/55

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 942.674+/-0.236 χ^2/NDF:1128433.3/10

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 918.143+/-0.227 χ^2/NDF:925705.6/9

Left: 929.934+/-0.163 χ^2/NDF: 2059767.0/20

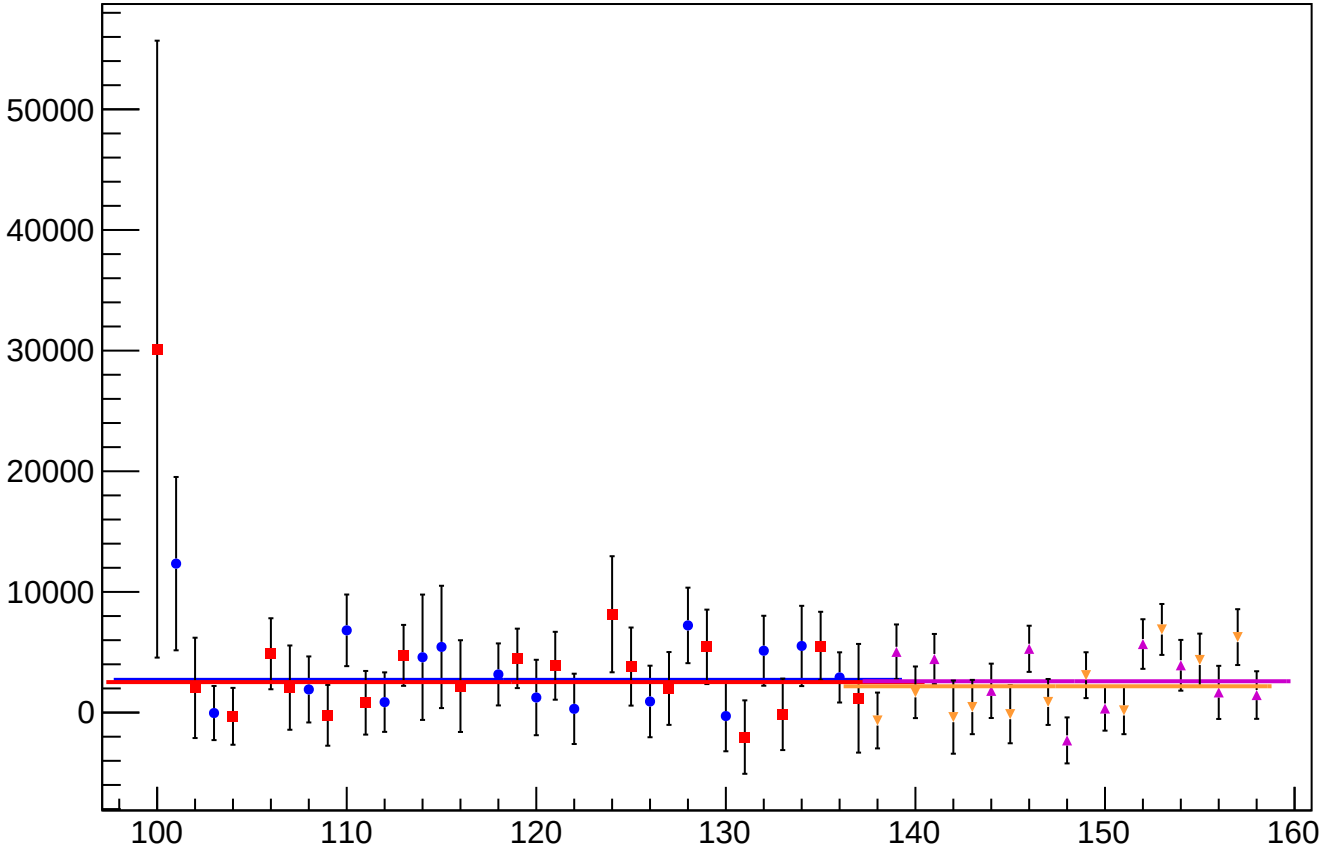
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 936.742+/-0.171 χ^2/NDF:1633185.0/25

Out: 924.118+/-0.168 χ^2/NDF:1877593.5/29

All: 930.338+/-0.120 χ^2/NDF: 3513545.7/55

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2179.623+/-657.236 χ^2/NDF:14.6/10

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2595.983+/-646.390 χ^2/NDF:15.3/9

Left: 2391.266+/-460.854 χ^2/NDF: 30.1/20

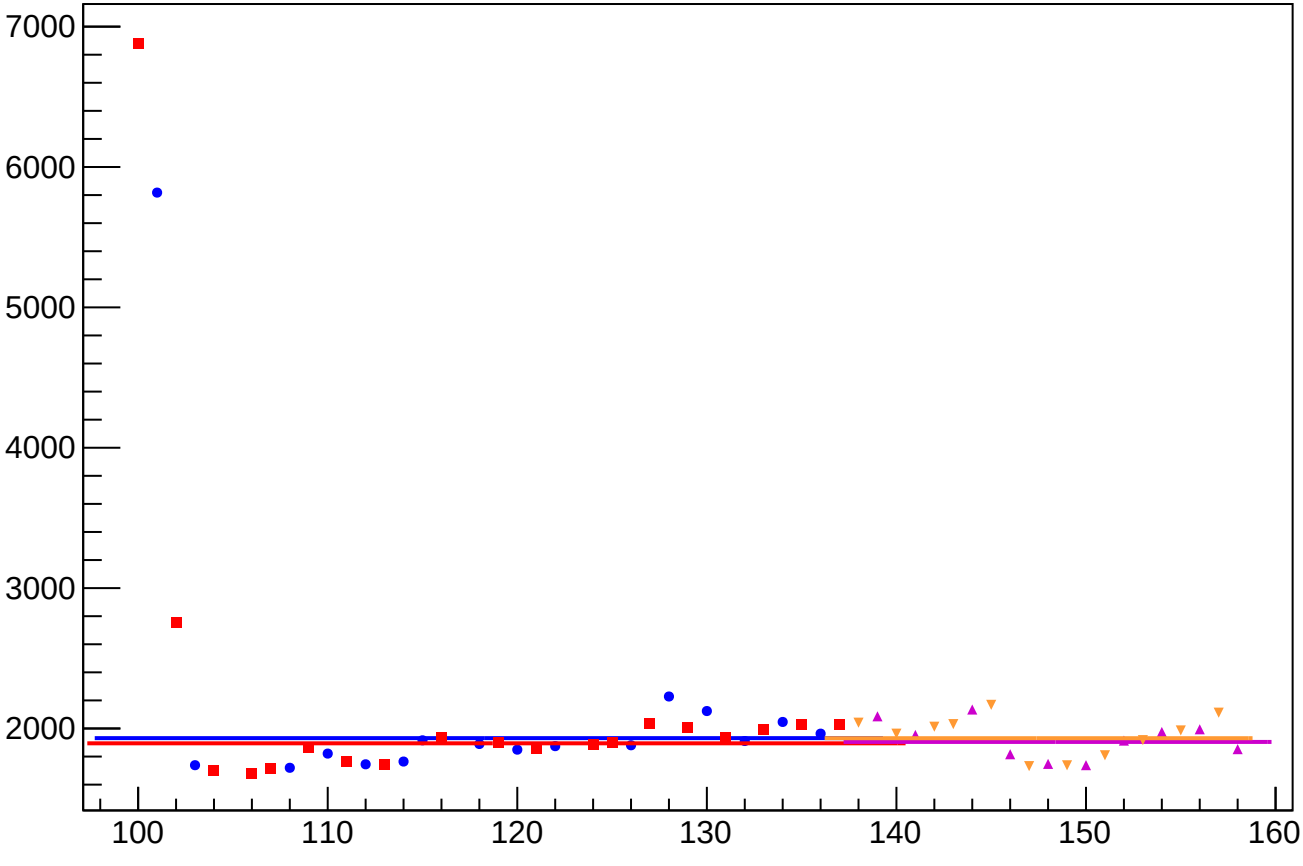
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2646.309+/-485.413 χ^2/NDF:27.5/25

Out: 2340.112+/-481.194 χ^2/NDF:28.0/29

All: 2491.874+/-341.738 χ^2/NDF: 55.6/55

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1930.756+/-0.465 χ^2/NDF:93718.5/10

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1904.247+/-0.457 χ^2/NDF:76014.9/9

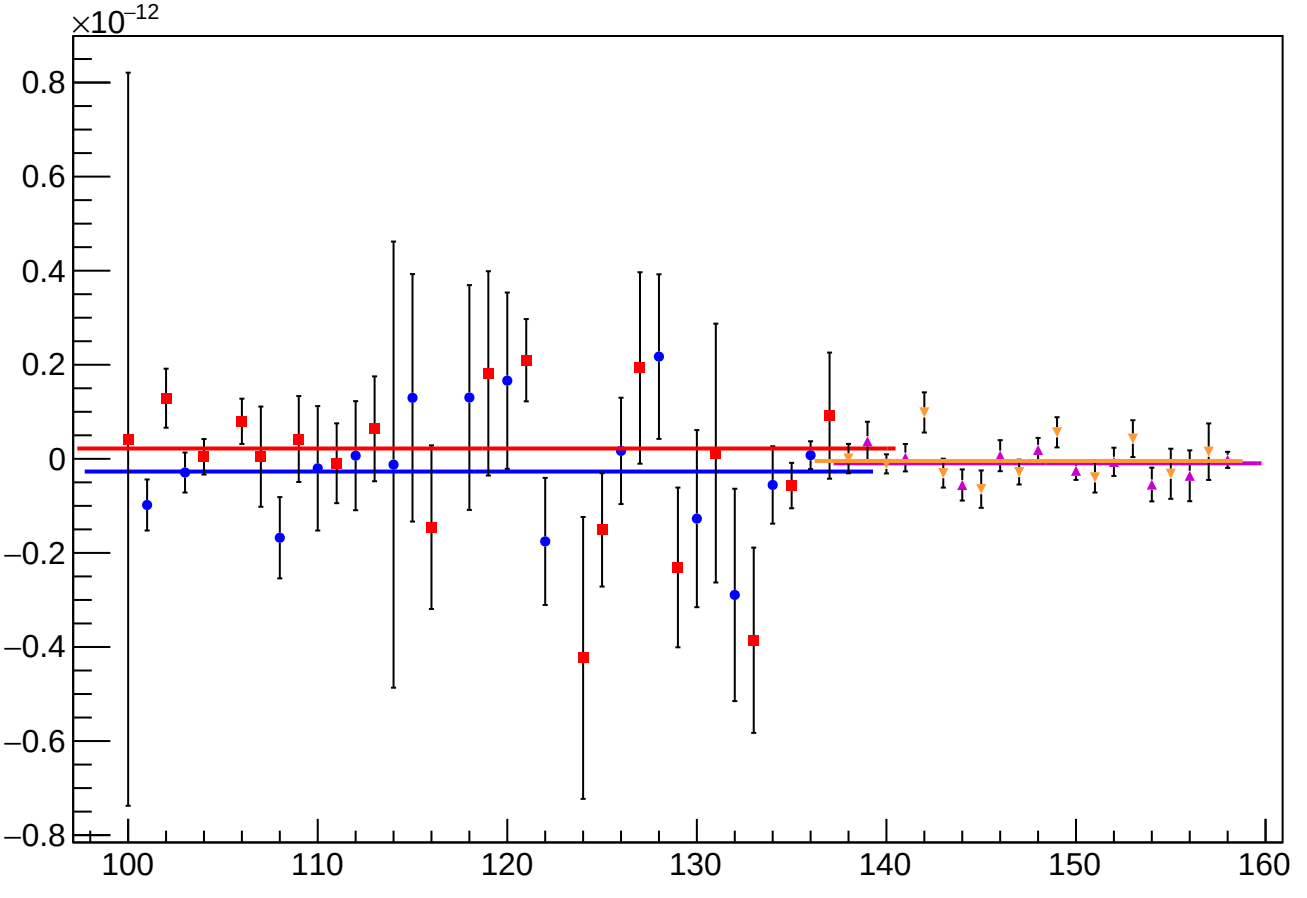
Left: 1917.281+/-0.326 χ^2/NDF: 171387.3/20

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1916.022+/-0.343 χ^2/NDF:738764.0/25

Out: 1913.865+/-0.340 χ^2/NDF:317107.0/29

All: 1914.934+/-0.242 χ^2/NDF: 1055890.8/55



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/9

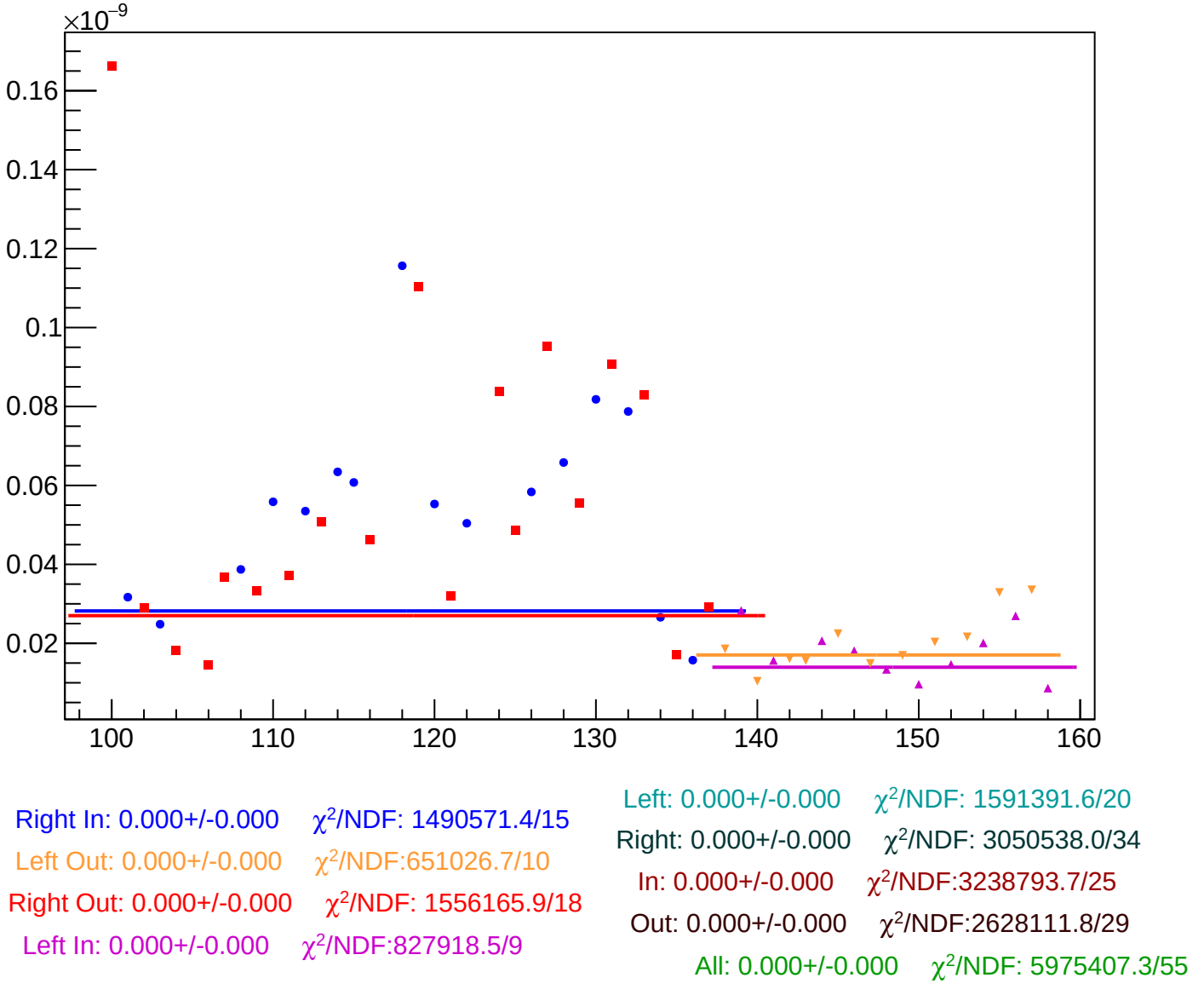
Left: -0.000+/-0.000 χ^2/NDF: 24.0/20

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:21.0/25

Out: 0.000+/-0.000 χ^2/NDF:43.2/29

All: -0.000+/-0.000 χ^2/NDF: 65.5/55


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
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0.04
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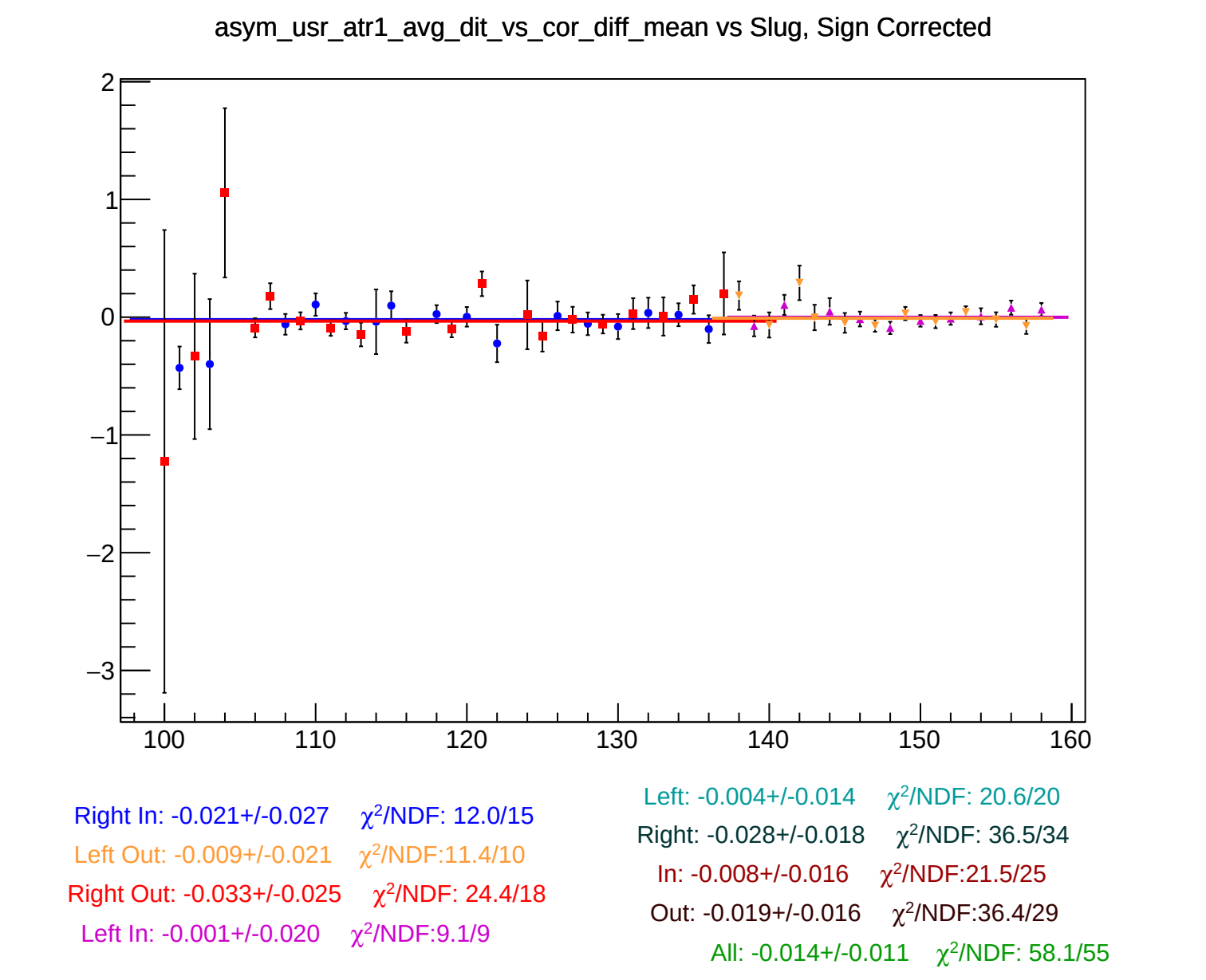
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1490571.4/15
Left Out: 0.000+/-0.000 χ²/NDF:651026.7/10
Right Out: 0.000+/-0.000 χ²/NDF: 1556165.9/18
Left In: 0.000+/-0.000 χ²/NDF:827918.5/9
Left: 0.000+/-0.000 χ²/NDF: 1591391.6/20
Right: 0.000+/-0.000 χ²/NDF: 3050538.0/34
In: 0.000+/-0.000 χ²/NDF:3238793.7/25
Out: 0.000+/-0.000 χ²/NDF:2628111.8/29
All: 0.000+/-0.000 χ²/NDF: 5975407.3/55


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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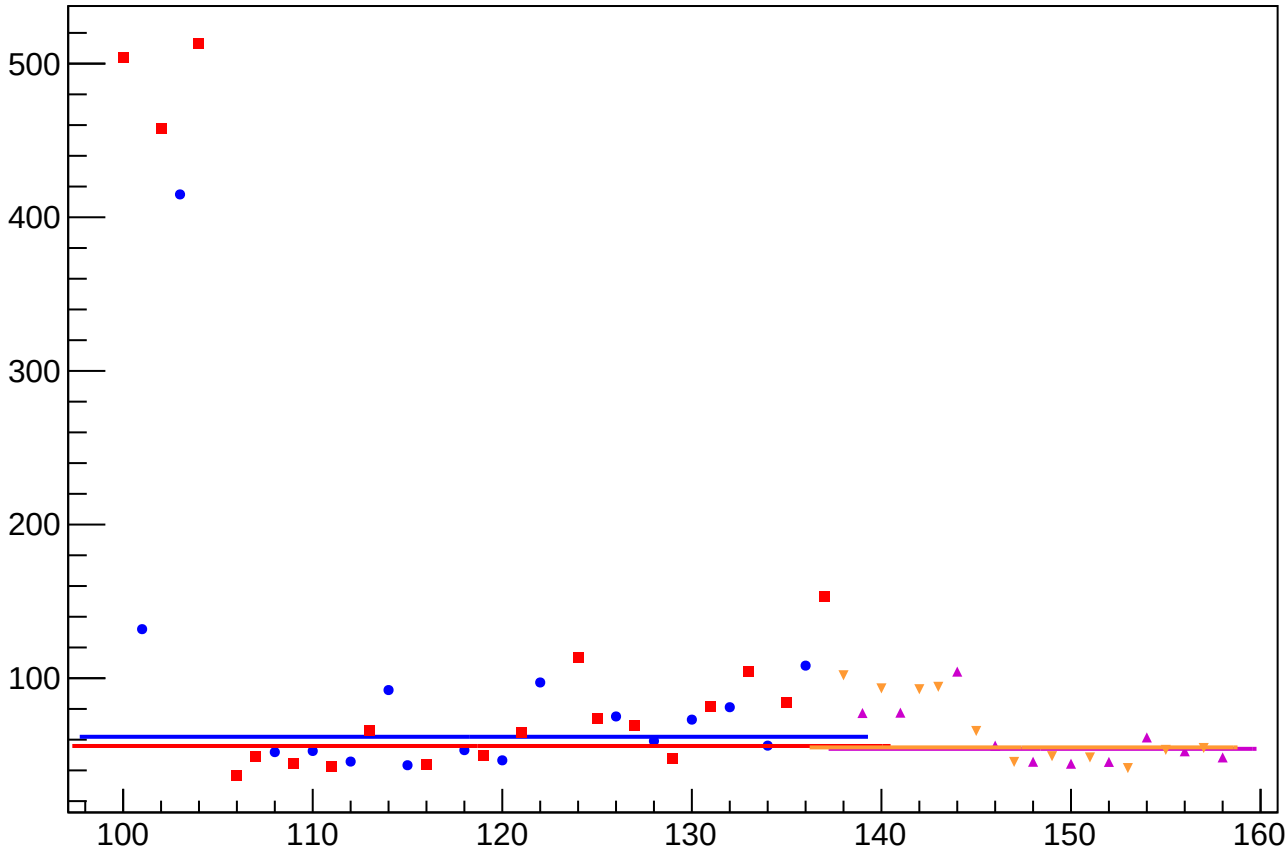
130
140
150
160
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.009+/-0.021 χ²/NDF:11.4/10
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.001+/-0.020 χ²/NDF:9.1/9
Left: -0.004+/-0.014 χ²/NDF: 20.6/20
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.008+/-0.016 χ²/NDF:21.5/25
Out: -0.019+/-0.016 χ²/NDF:36.4/29
All: -0.014+/-0.011 χ²/NDF: 58.1/55



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.967+/-0.015 χ^2/NDF:1249088.6/10

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.030+/-0.014 χ^2/NDF:916421.8/9

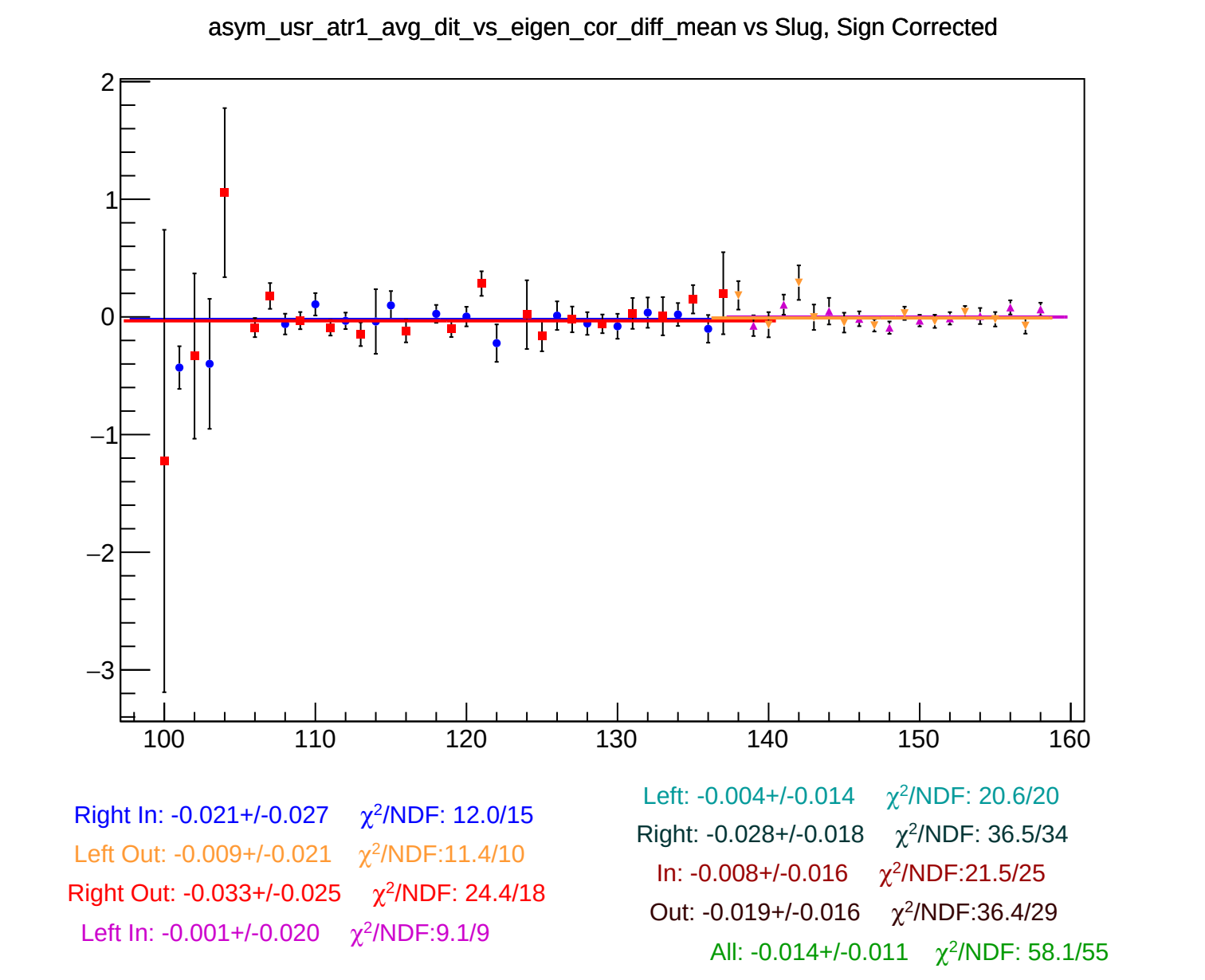
Left: 54.476+/-0.010 χ^2/NDF: 2167633.5/20

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.841+/-0.011 χ^2/NDF:2966413.8/25

Out: 55.351+/-0.011 χ^2/NDF:3841997.1/29

All: 56.095+/-0.008 χ^2/NDF: 6817199.9/55


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
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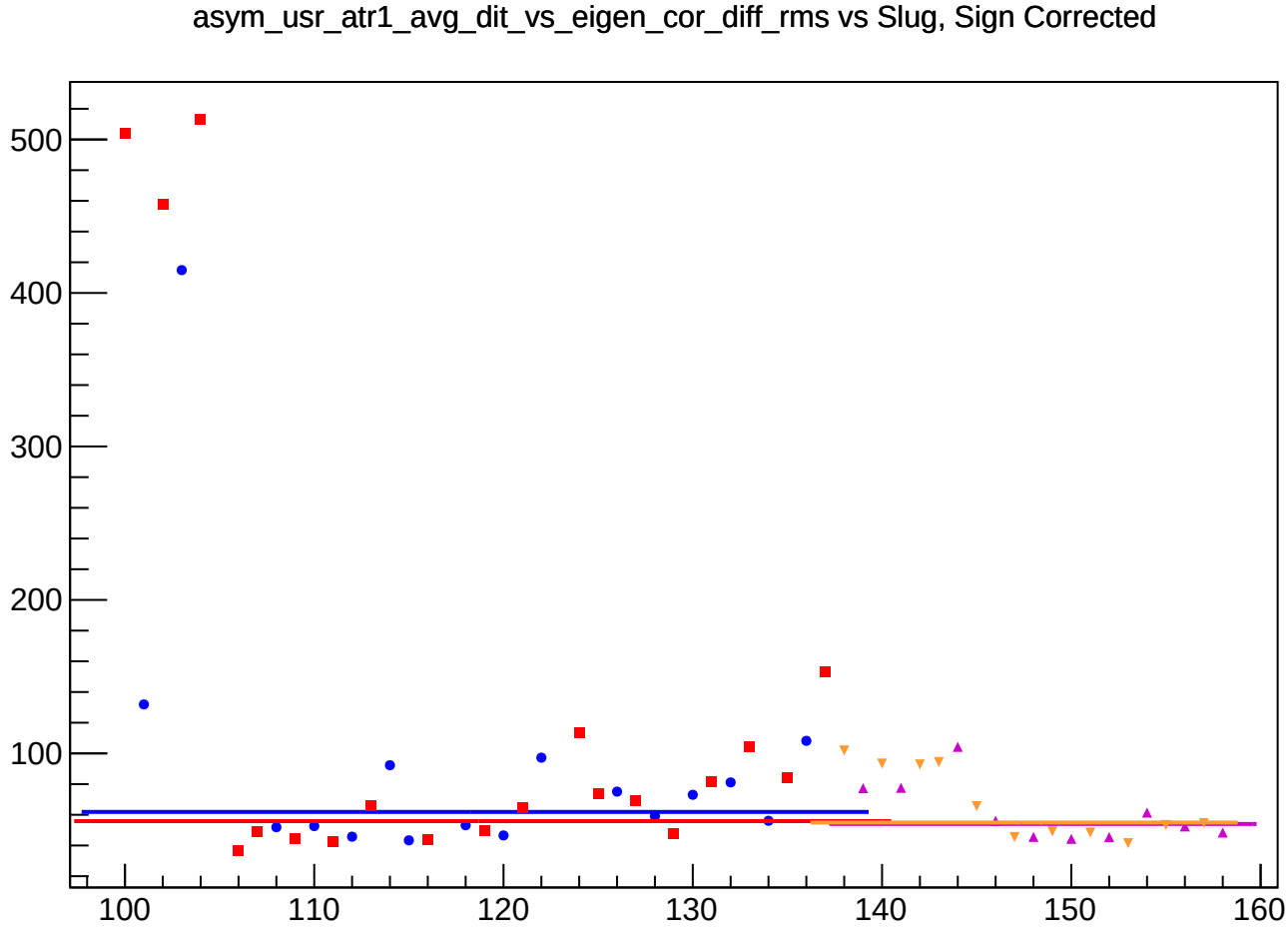
−2
−3
100
110
120
130
140
150
160
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.009+/-0.021 χ²/NDF:11.4/10
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.001+/-0.020 χ²/NDF:9.1/9
Left: -0.004+/-0.014 χ²/NDF: 20.6/20
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.008+/-0.016 χ²/NDF:21.5/25
Out: -0.019+/-0.016 χ²/NDF:36.4/29
All: -0.014+/-0.011 χ²/NDF: 58.1/55



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.967+/-0.015 χ^2/NDF:1249088.6/10

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.030+/-0.014 χ^2/NDF:916421.8/9

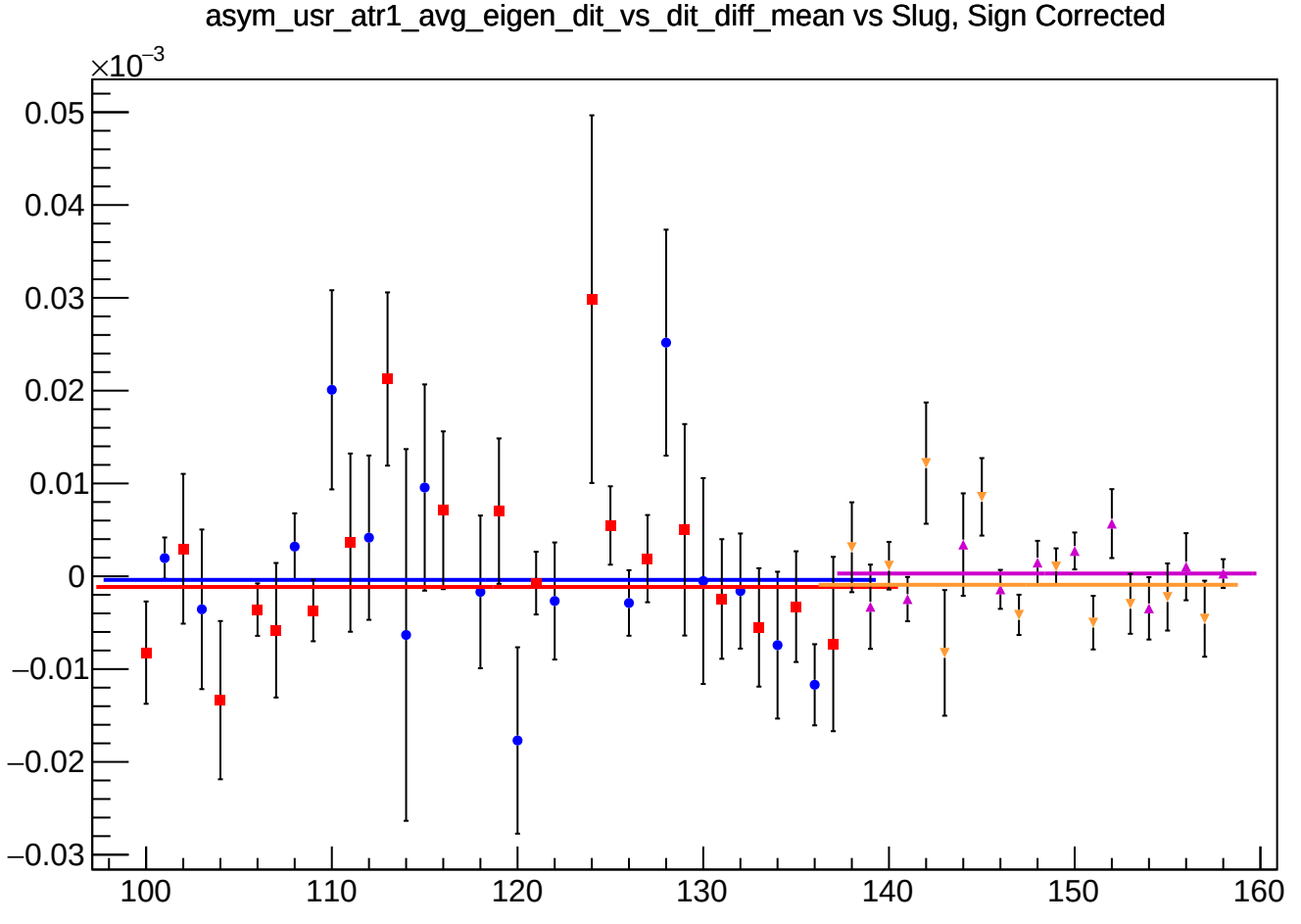
Left: 54.476+/-0.010 χ^2/NDF: 2167633.5/20

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.841+/-0.011 χ^2/NDF:2966413.8/25

Out: 55.351+/-0.011 χ^2/NDF:3841997.1/29

All: 56.095+/-0.008 χ^2/NDF: 6817199.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/9

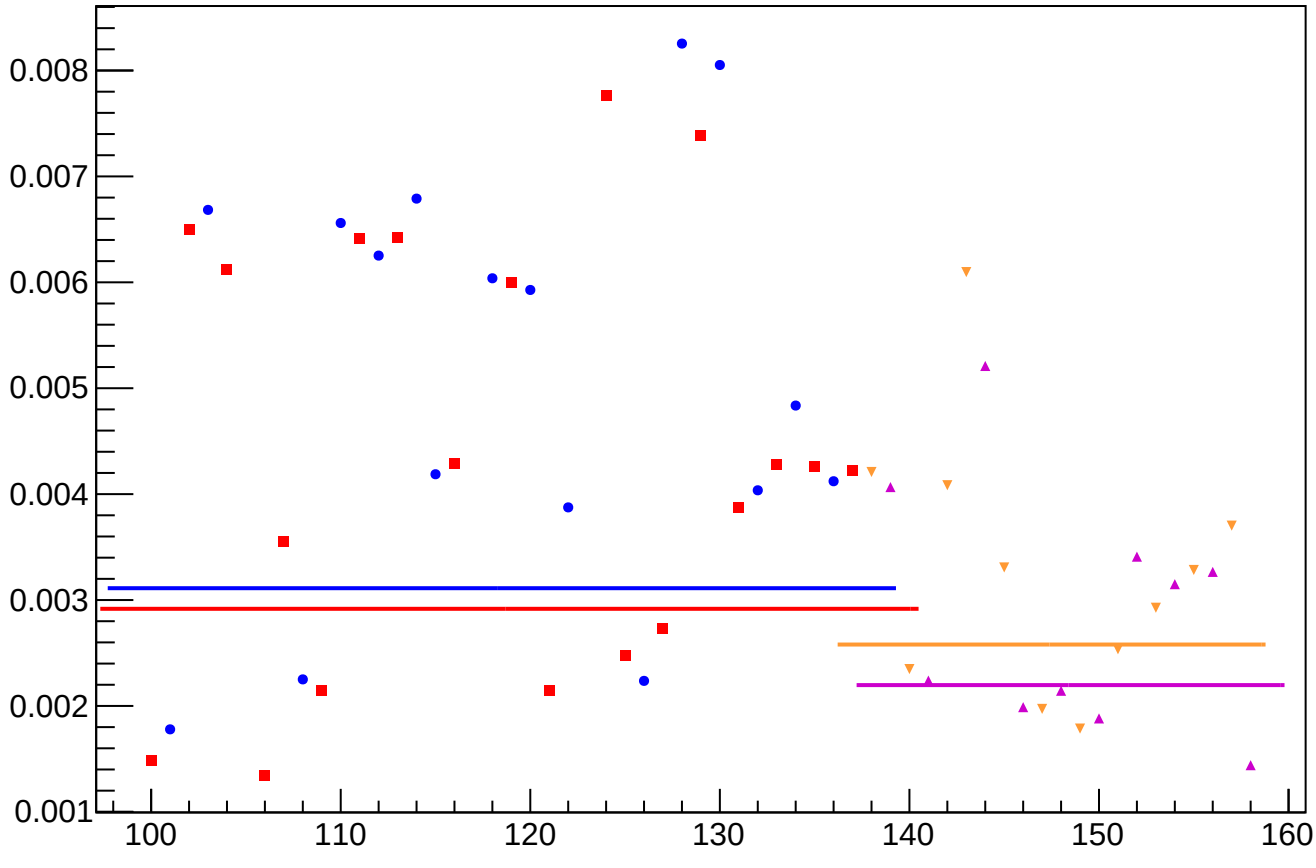
Left: -0.000+/-0.000 χ^2/NDF: 27.3/20

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:30.8/25

Out: -0.000+/-0.000 χ^2/NDF:38.7/29

All: -0.000+/-0.000 χ^2/NDF: 70.8/55



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:1685260.1/10

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2031833.1/9

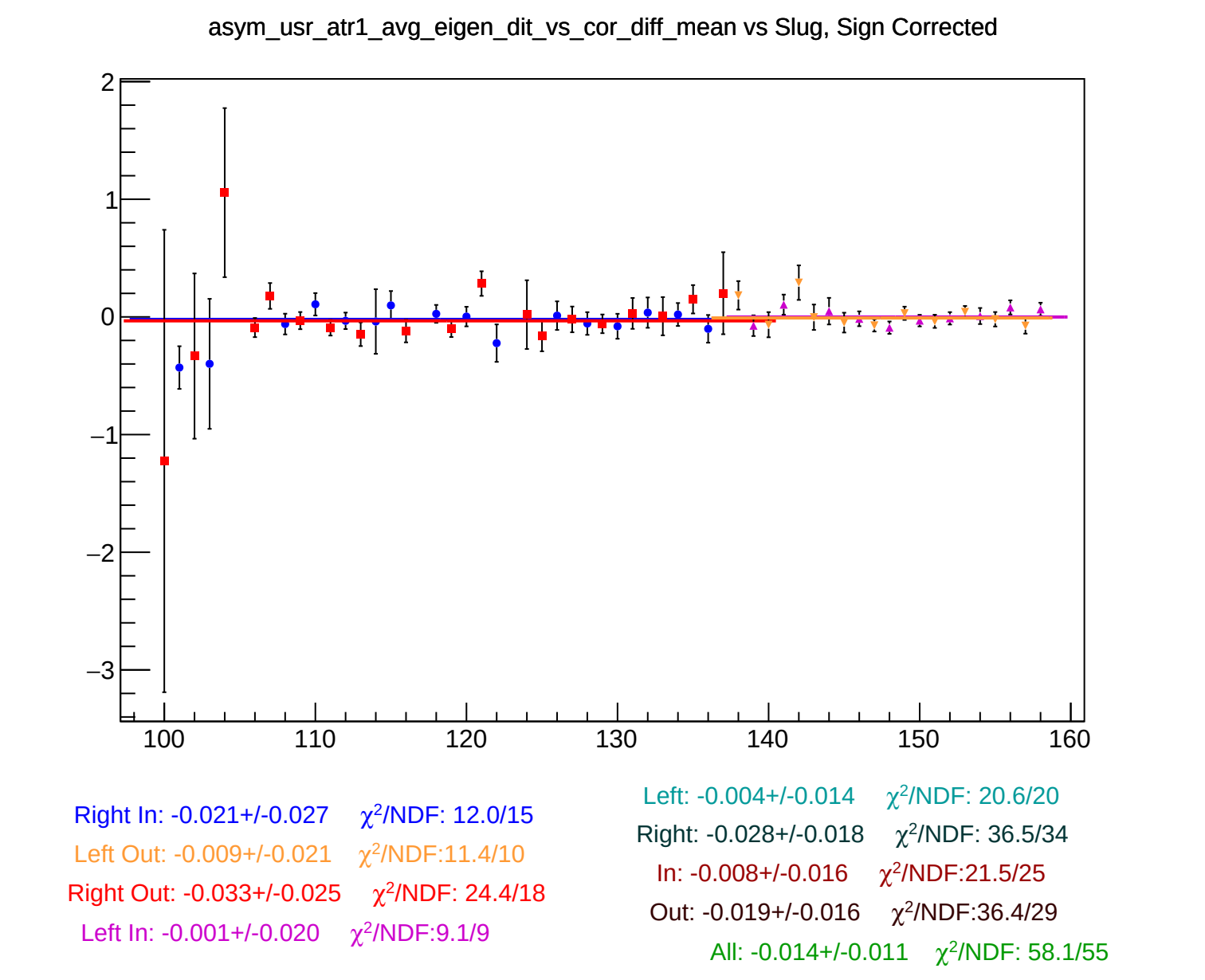
Left: 0.002+/-0.000 χ^2/NDF: 3909284.7/20

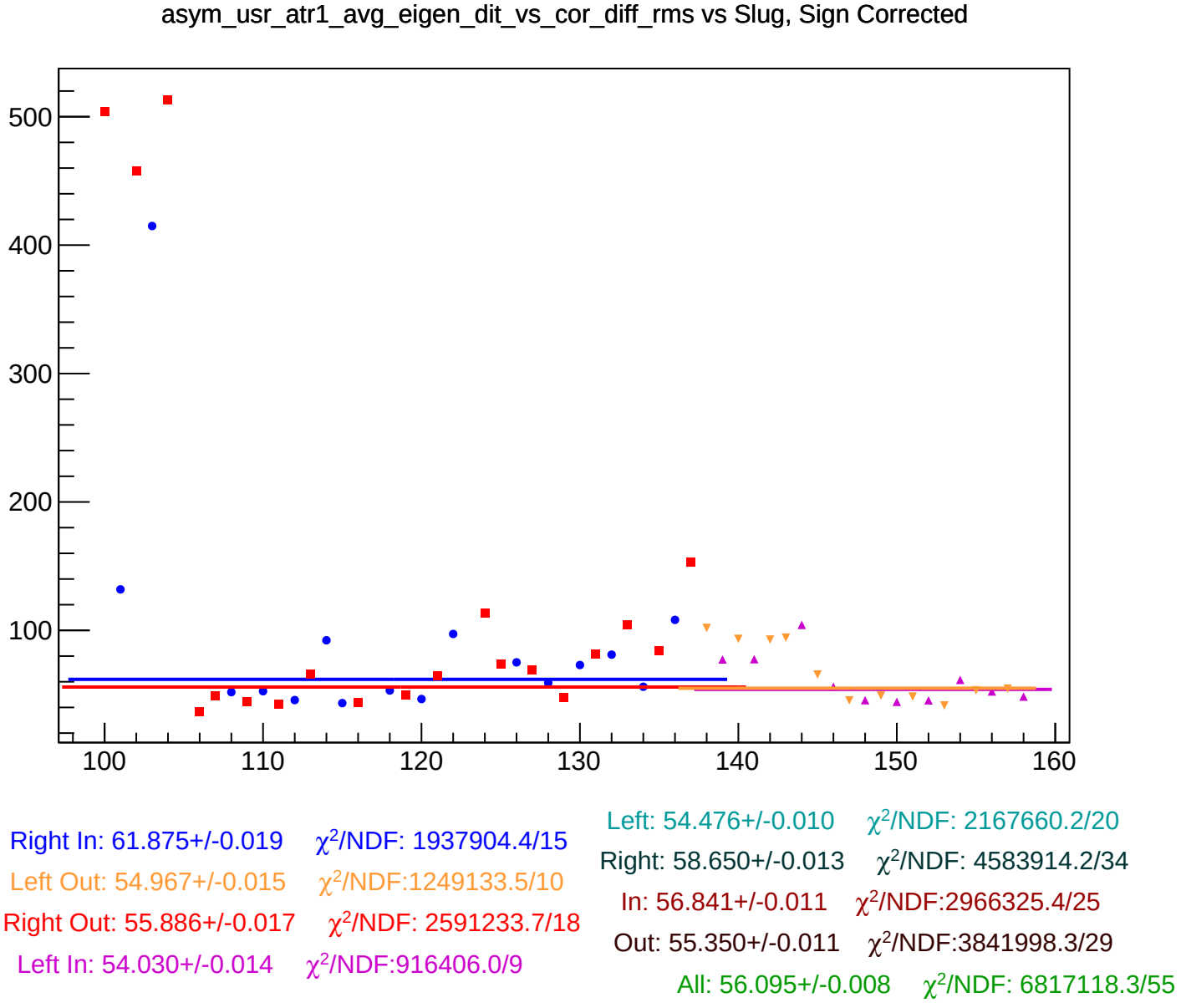
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:6010808.3/25

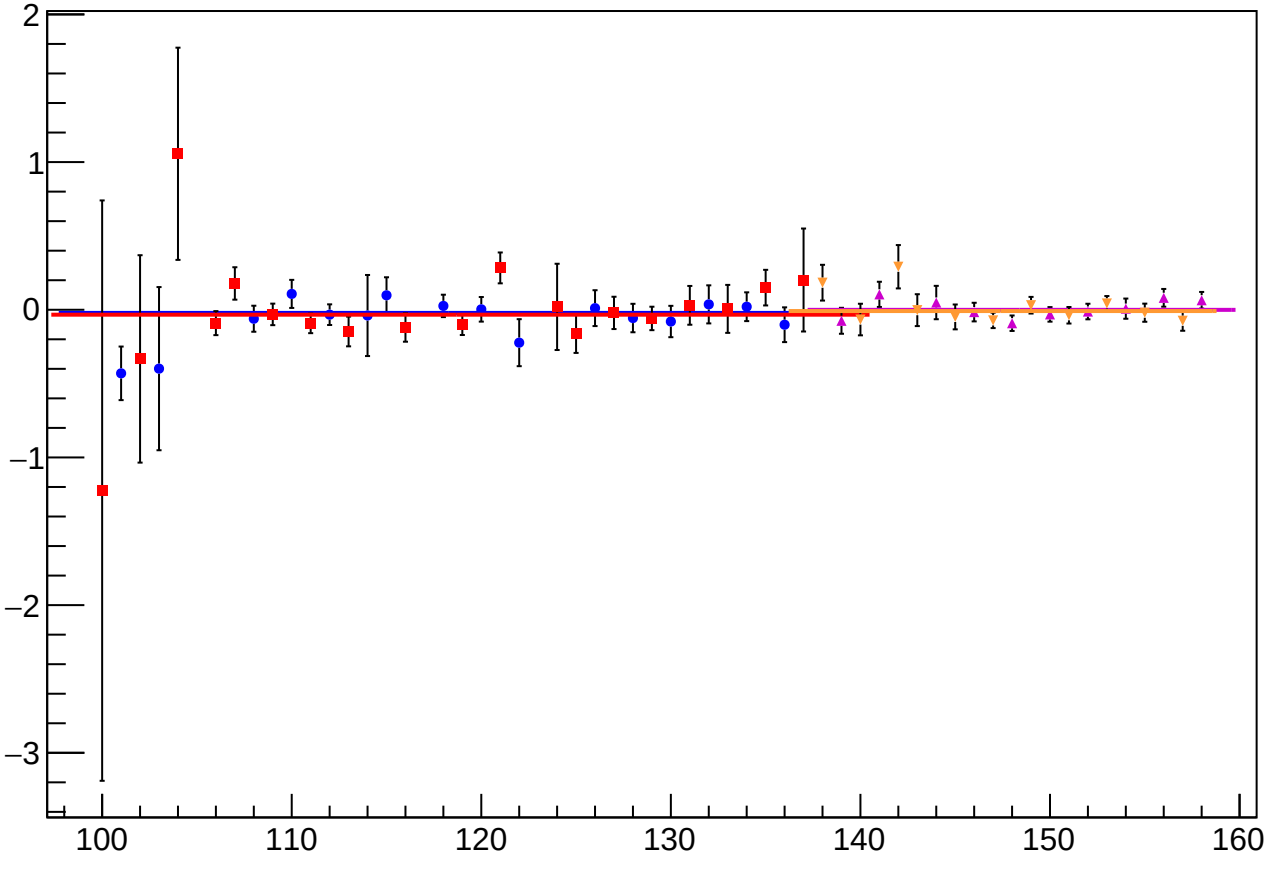
Out: 0.003+/-0.000 χ^2/NDF:5073305.8/29

All: 0.003+/-0.000 χ^2/NDF: 11218146.0/55


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.009+/-0.021 χ²/NDF:11.4/10
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.001+/-0.020 χ²/NDF:9.1/9
Left: -0.004+/-0.014 χ²/NDF: 20.6/20
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.008+/-0.016 χ²/NDF:21.5/25
Out: -0.019+/-0.016 χ²/NDF:36.4/29
All: -0.014+/-0.011 χ²/NDF: 58.1/55


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
160
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 54.967+/-0.015 χ²/NDF:1249133.5/10
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 54.030+/-0.014 χ²/NDF:916406.0/9
Left: 54.476+/-0.010 χ²/NDF: 2167660.2/20
Right: 58.650+/-0.013 χ²/NDF: 4583914.2/34
In: 56.841+/-0.011 χ²/NDF:2966325.4/25
Out: 55.350+/-0.011 χ²/NDF:3841998.3/29
All: 56.095+/-0.008 χ²/NDF: 6817118.3/55

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: -0.009+/-0.021 χ^2/NDF:11.4/10

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.001+/-0.020 χ^2/NDF:9.1/9

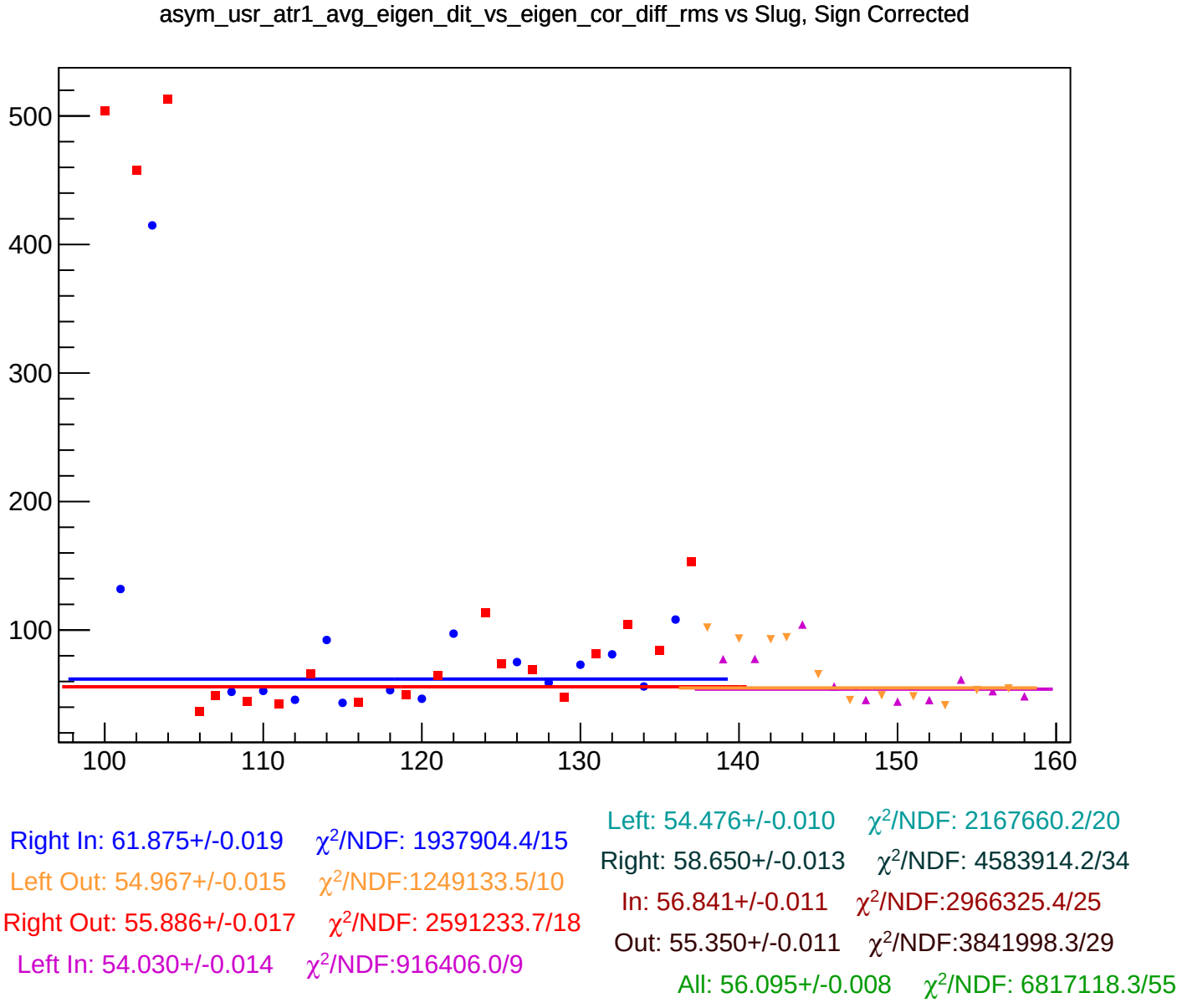
Left: -0.004+/-0.014 χ^2/NDF: 20.6/20

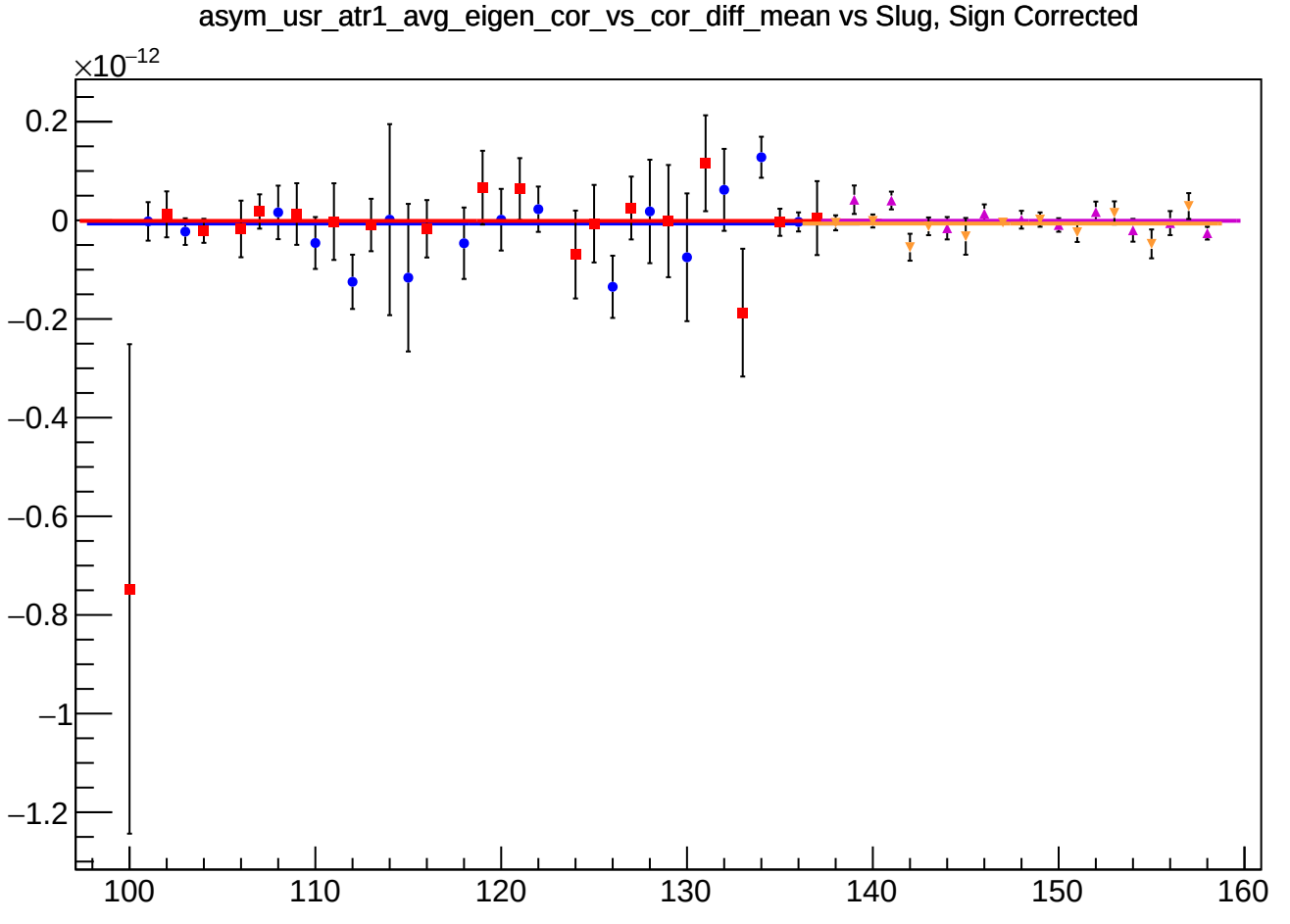
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.008+/-0.016 χ^2/NDF:21.5/25

Out: -0.019+/-0.016 χ^2/NDF:36.4/29

All: -0.014+/-0.011 χ^2/NDF: 58.1/55


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
160
Right In: 61.875+/-0.019 χ2/NDF: 1937904.4/15
Left Out: 54.967+/-0.015 χ2/NDF:1249133.5/10
Right Out: 55.886+/-0.017 χ2/NDF: 2591233.7/18
Left In: 54.030+/-0.014 χ2/NDF:916406.0/9
Left: 54.476+/-0.010 χ2/NDF: 2167660.2/20
Right: 58.650+/-0.013 χ2/NDF: 4583914.2/34
In: 56.841+/-0.011 χ2/NDF:2966325.4/25
Out: 55.350+/-0.011 χ2/NDF:3841998.3/29
All: 56.095+/-0.008 χ2/NDF: 6817118.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/9

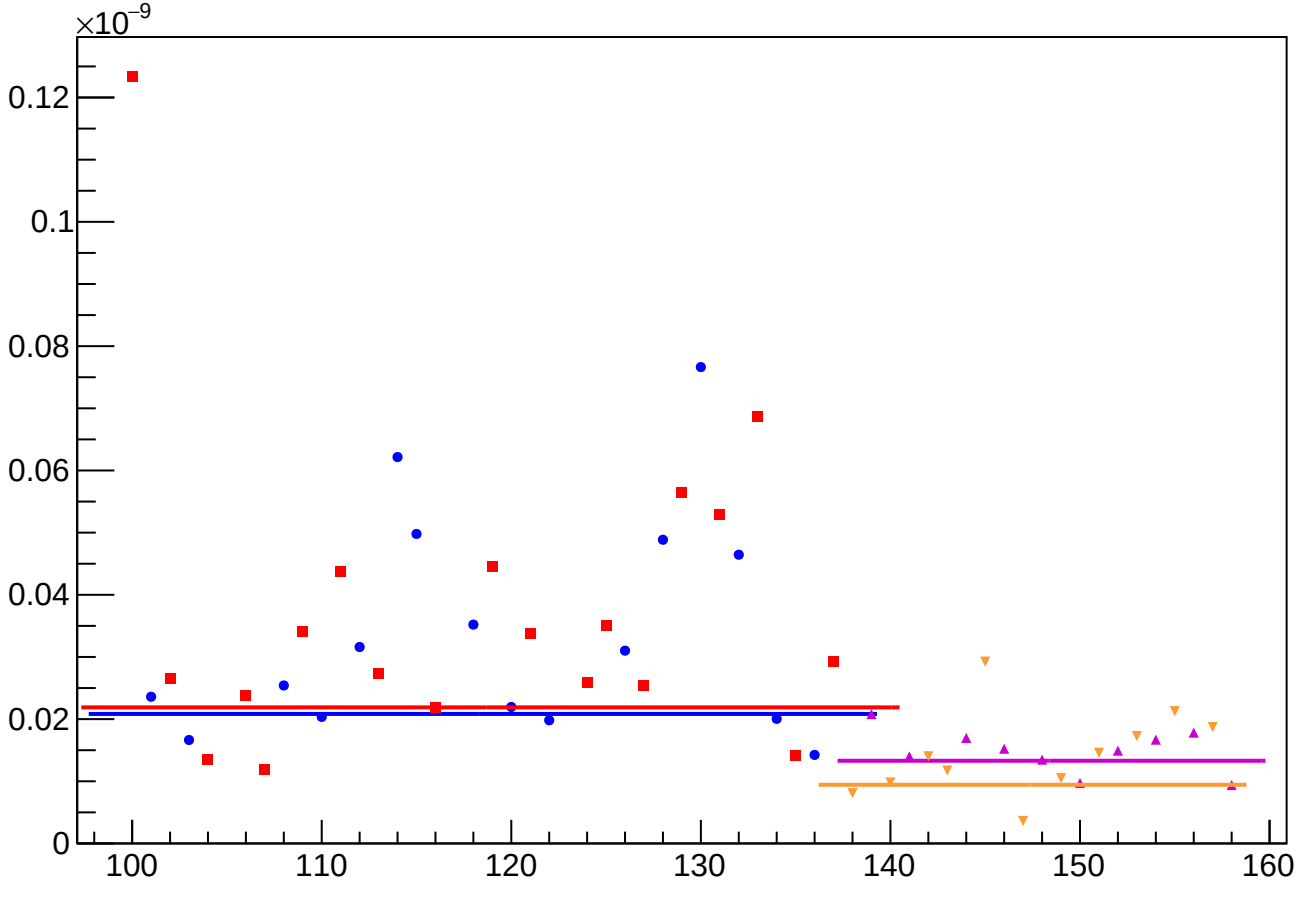
Left: -0.000+/-0.000 χ^2/NDF: 24.1/20

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:36.7/25

Out: -0.000+/-0.000 χ^2/NDF:19.5/29

All: -0.000+/-0.000 χ^2/NDF: 56.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2591494.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:651189.0/9

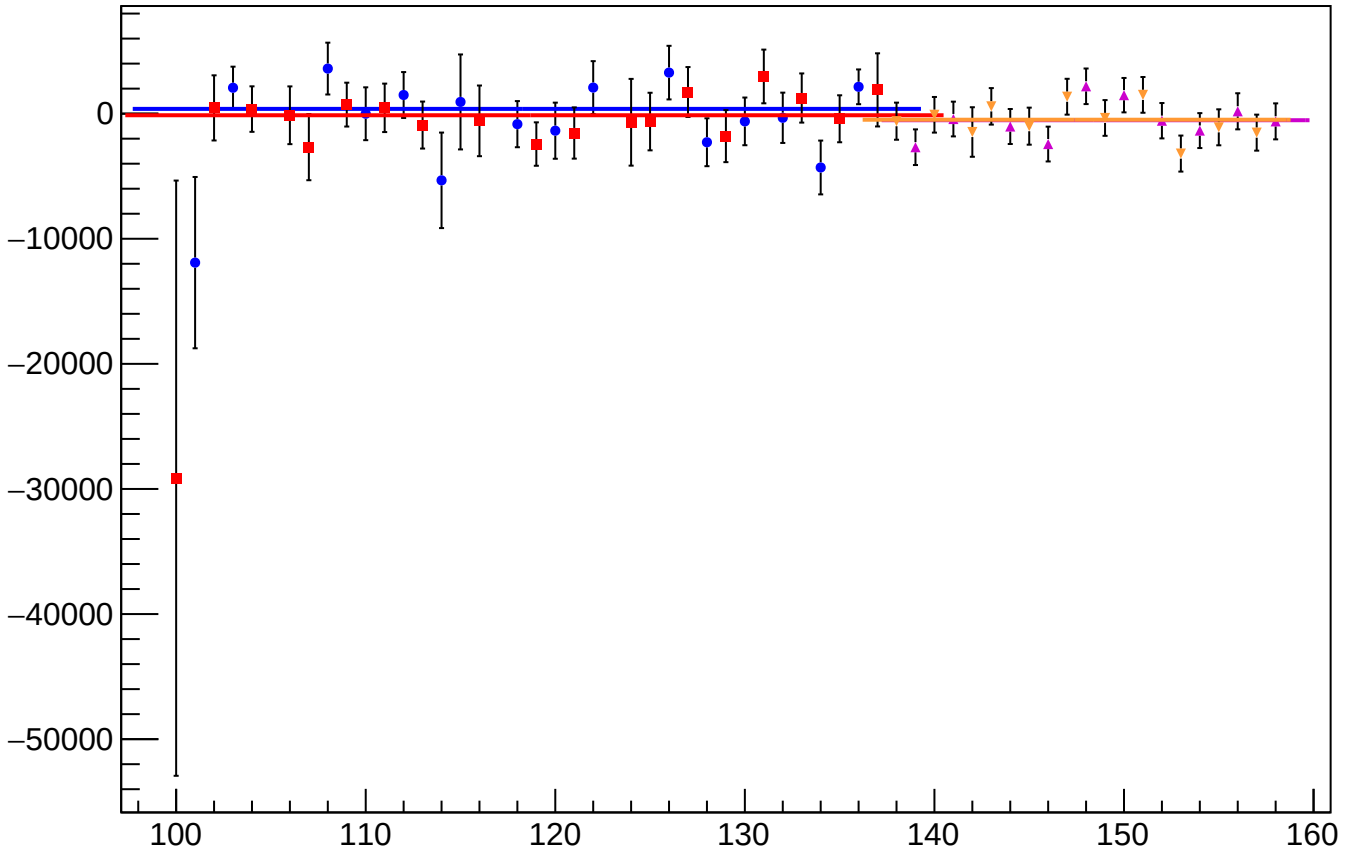
Left: 0.000+/-0.000 χ^2/NDF: 3752644.2/20

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2737040.1/25

Out: 0.000+/-0.000 χ^2/NDF:6368483.6/29

All: 0.000+/-0.000 χ^2/NDF: 9662570.5/55



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -485.401+/-445.216 χ^2/NDF:8.8/10

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -525.082+/-445.494 χ^2/NDF:10.7/9

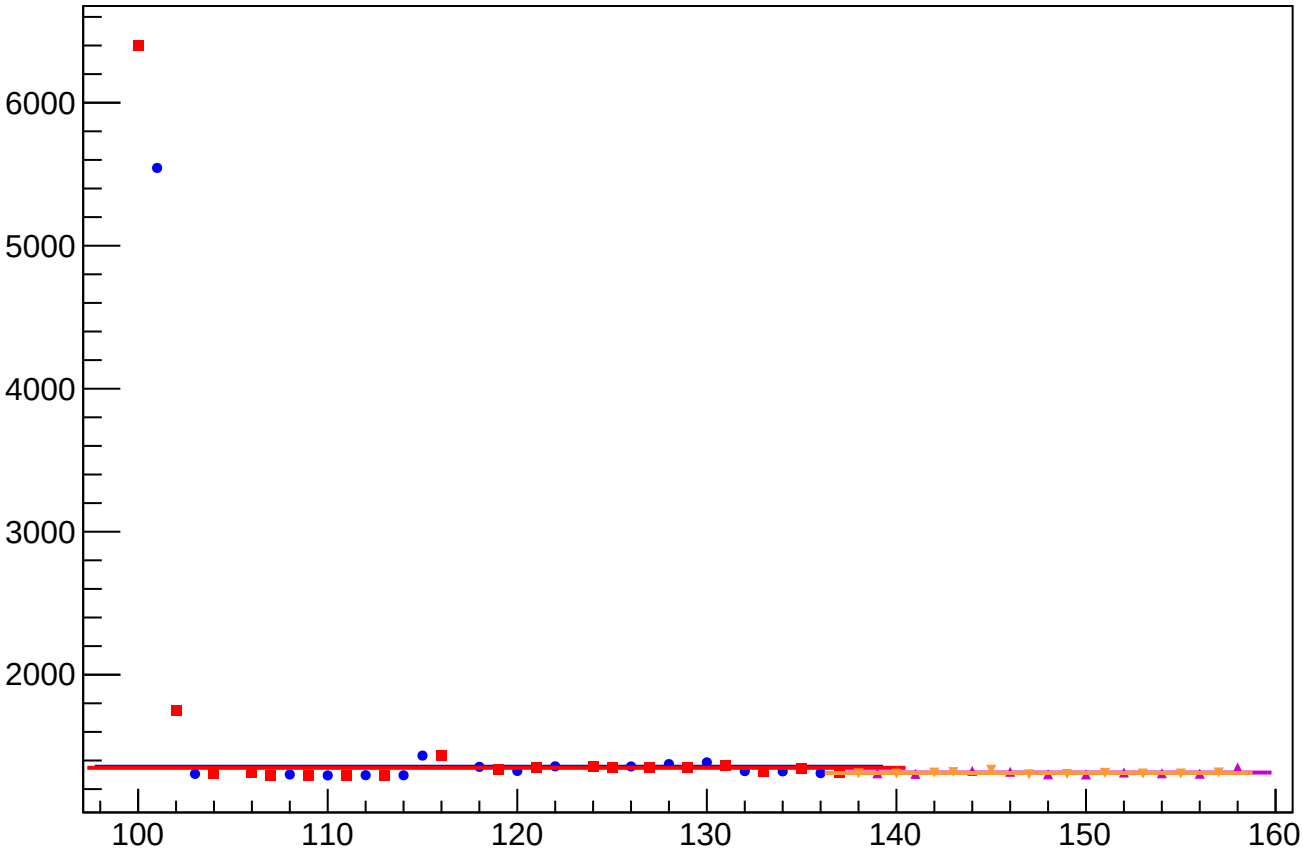
Left: -505.229+/-314.914 χ^2/NDF: 19.5/20

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -139.490+/-337.704 χ^2/NDF:33.9/25

Out: -327.662+/-332.794 χ^2/NDF:19.1/29

All: -234.954+/-237.038 χ^2/NDF: 53.2/55



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.598+/-0.315 χ^2/NDF:682.8/10

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

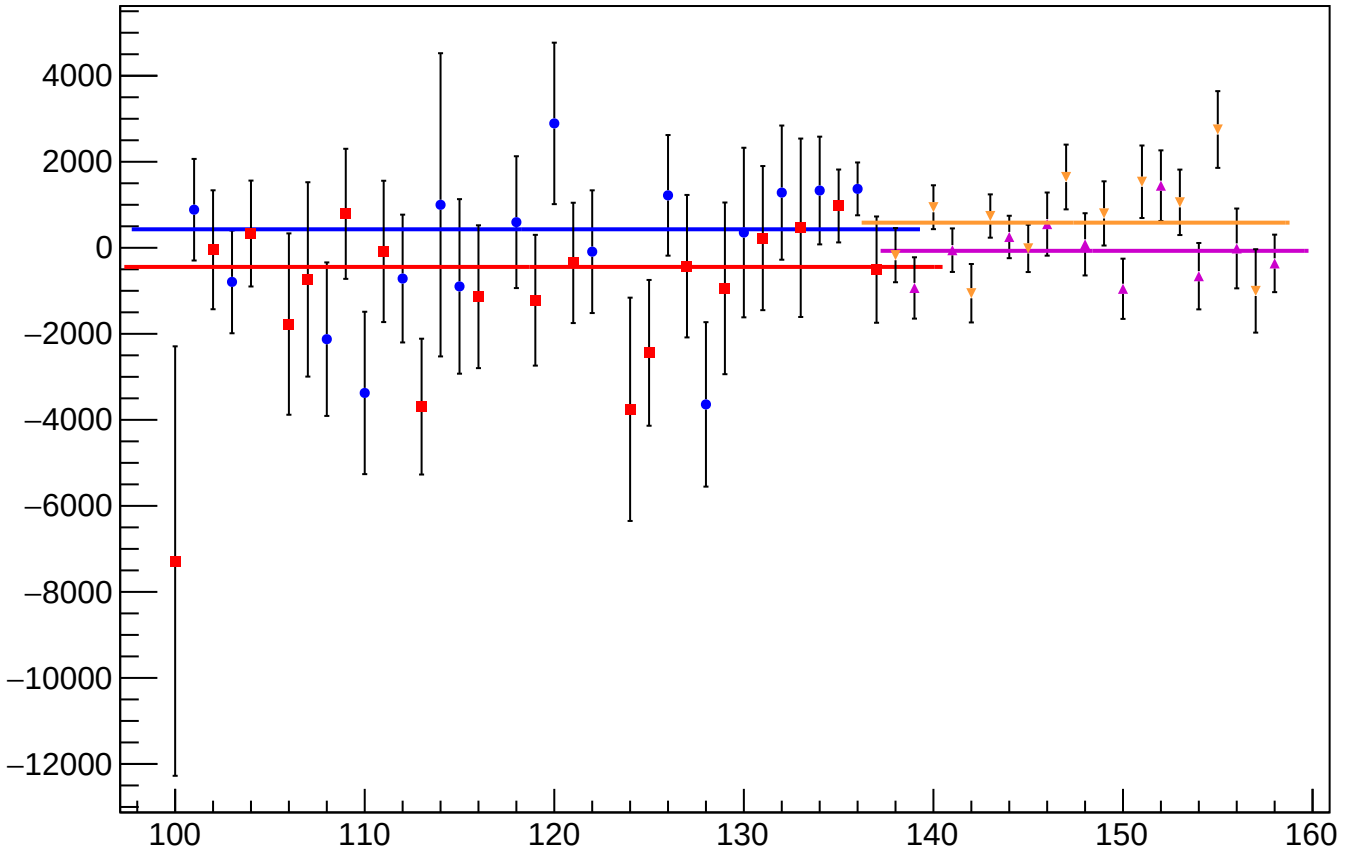
Left: 1314.222+/-0.223 χ^2/NDF: 2647.9/20

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1333.096+/-0.239 χ^2/NDF:769226.4/25

Out: 1328.650+/-0.235 χ^2/NDF:153839.8/29

All: 1330.841+/-0.168 χ^2/NDF: 923242.1/55



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 584.665+/-200.832 χ^2/NDF:21.3/10

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -70.416+/-211.514 χ^2/NDF:8.4/9

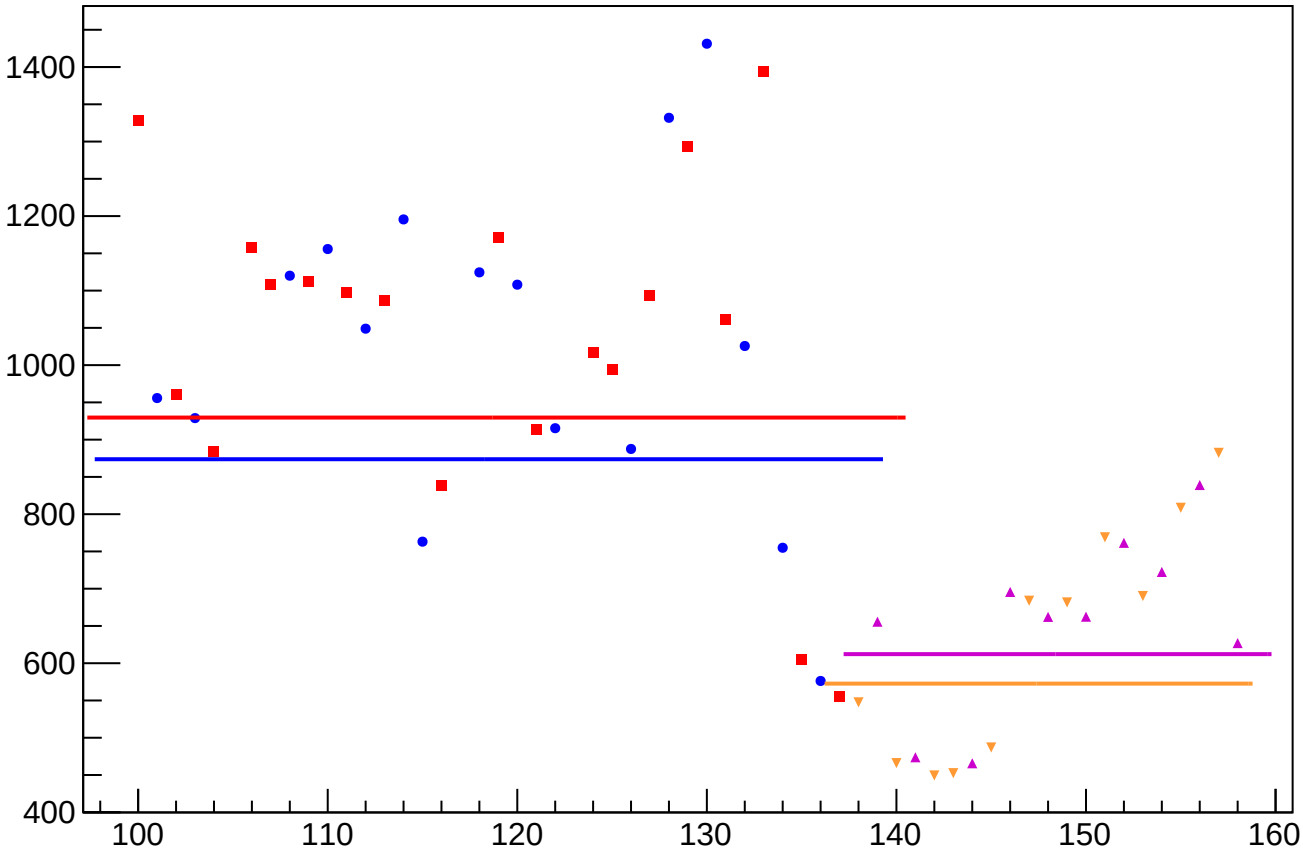
Left: 274.084+/-145.640 χ^2/NDF: 34.8/20

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 70.231+/-179.369 χ^2/NDF:28.2/25

Out: 335.764+/-174.869 χ^2/NDF:42.1/29

All: 206.370+/-125.212 χ^2/NDF: 71.4/55



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 572.626+/-0.142 χ^2/NDF:905395.8/10

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 612.194+/-0.150 χ^2/NDF:606792.6/9

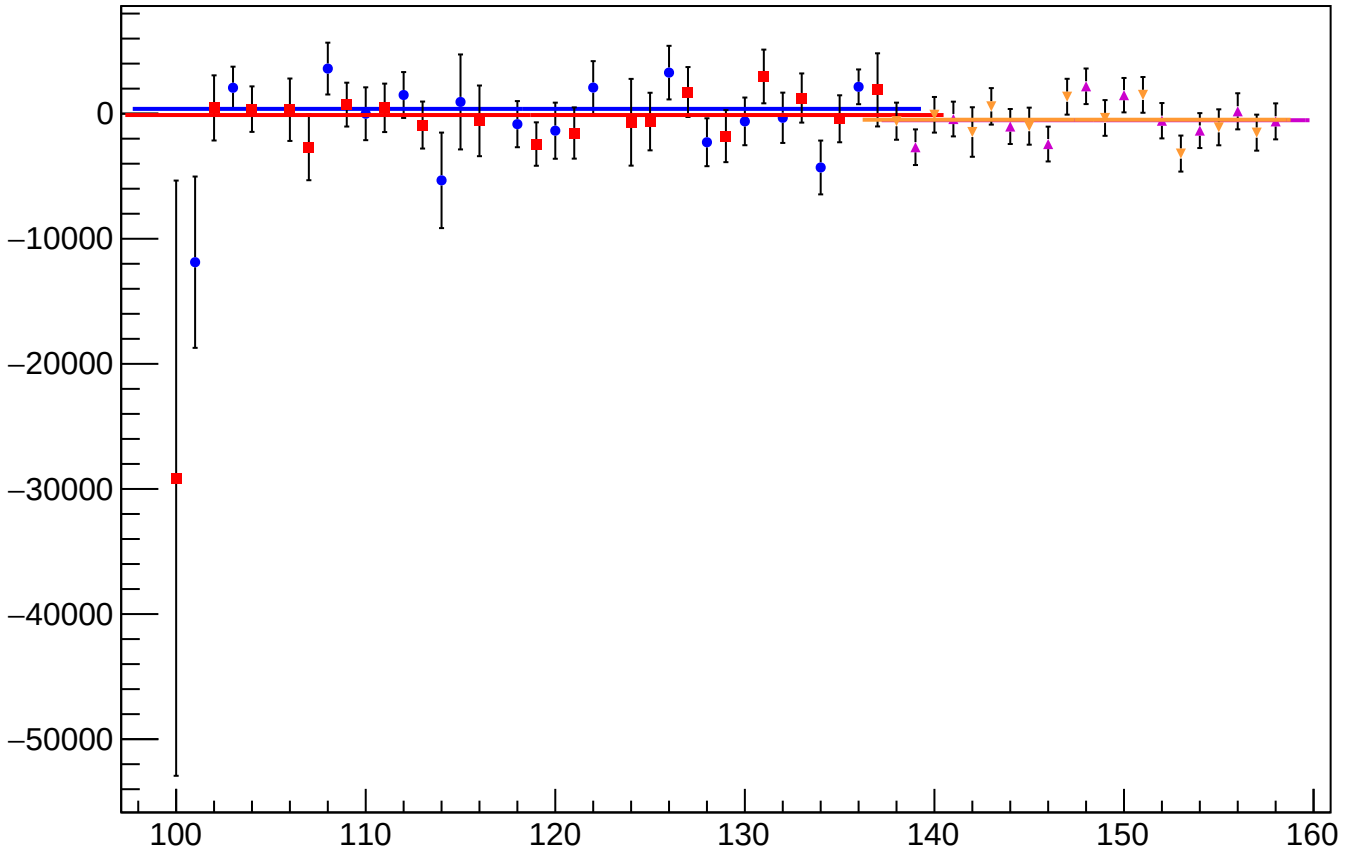
Left: 591.386+/-0.103 χ^2/NDF: 1548995.0/20

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 685.648+/-0.127 χ^2/NDF:2480478.9/25

Out: 658.964+/-0.124 χ^2/NDF:3293762.6/29

All: 671.967+/-0.089 χ^2/NDF: 5796936.1/55



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -485.484+/-445.216 χ^2/NDF:8.8/10

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -525.114+/-445.494 χ^2/NDF:10.7/9

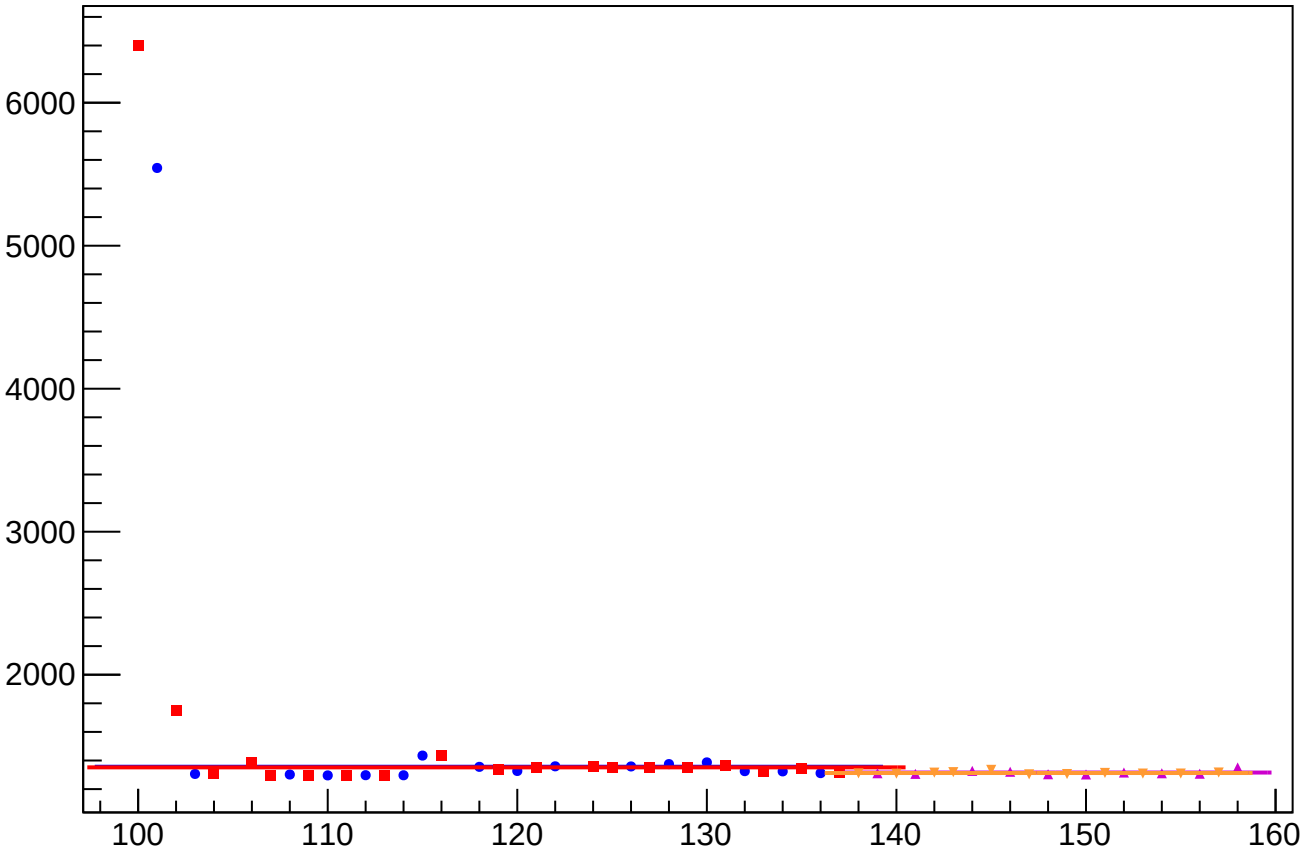
Left: -505.287+/-314.914 χ^2/NDF: 19.5/20

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -139.378+/-337.704 χ^2/NDF:33.9/25

Out: -320.551+/-333.294 χ^2/NDF:19.1/29

All: -231.155+/-237.218 χ^2/NDF: 53.2/55



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.598+/-0.315 χ^2/NDF:682.8/10

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

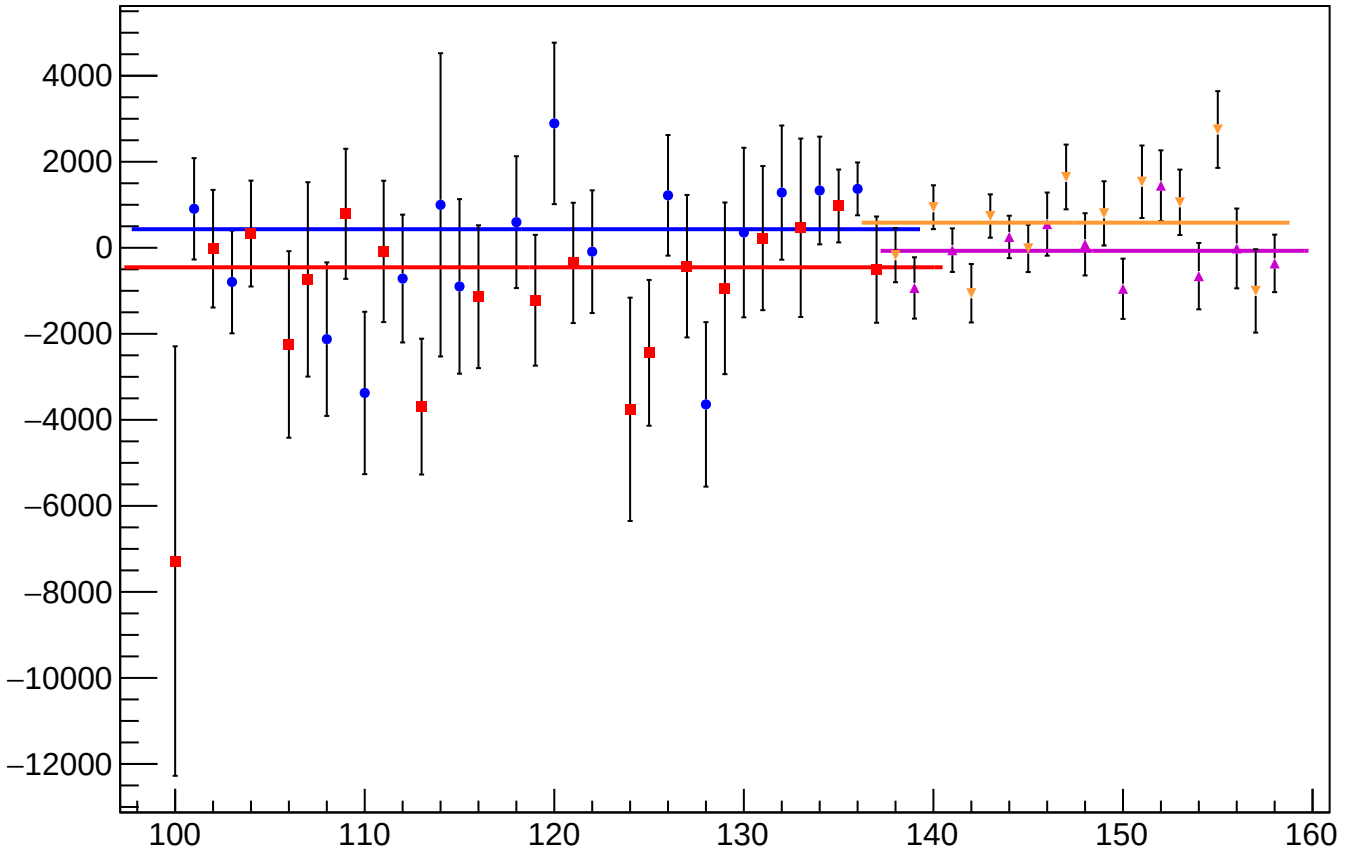
Left: 1314.222+/-0.223 χ^2/NDF: 2647.9/20

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1333.096+/-0.239 χ^2/NDF:769225.4/25

Out: 1329.955+/-0.236 χ^2/NDF:154924.3/29

All: 1331.505+/-0.168 χ^2/NDF: 924237.3/55



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 584.598+/-200.833 χ^2/NDF:21.3/10

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -70.358+/-211.512 χ^2/NDF:8.4/9

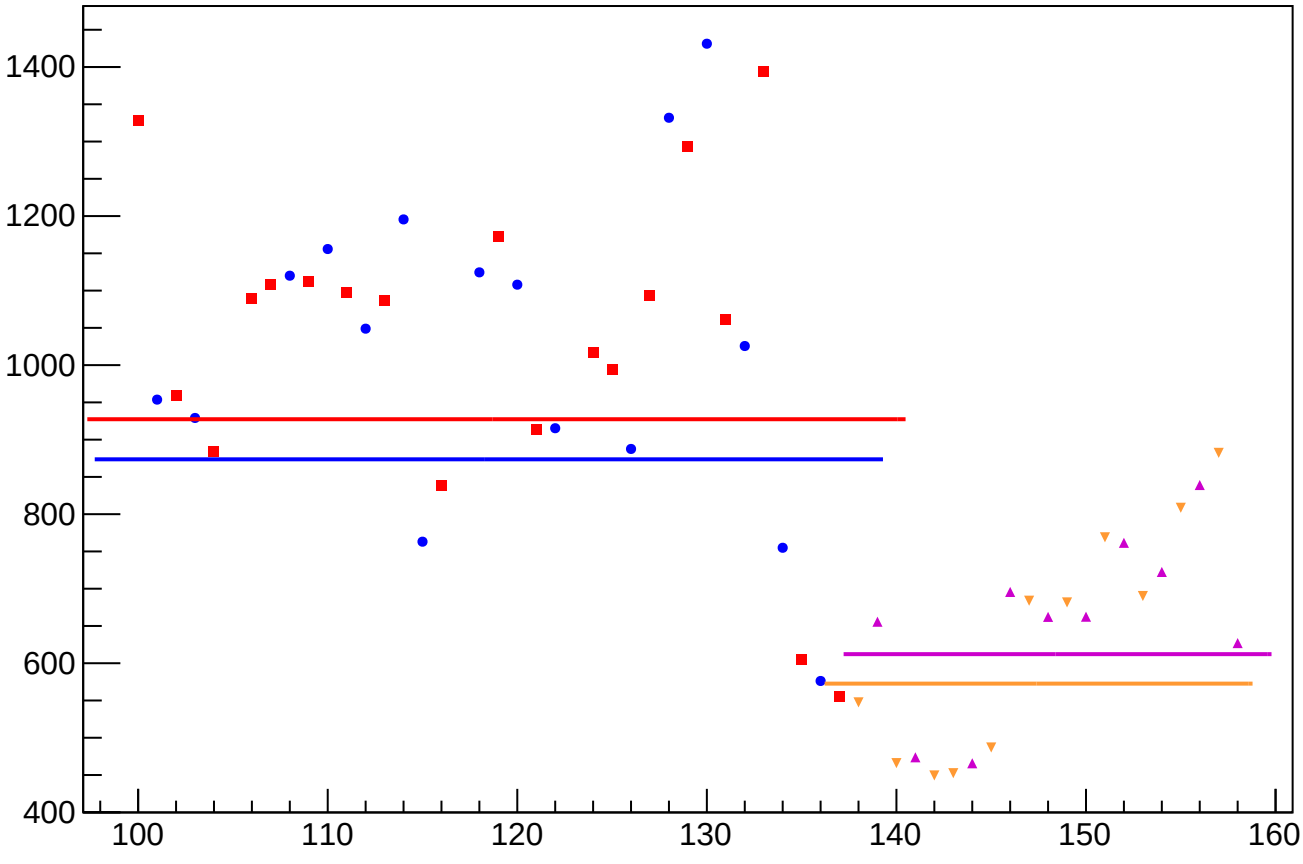
Left: 274.071+/-145.639 χ^2/NDF: 34.8/20

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 70.802+/-179.359 χ^2/NDF:28.3/25

Out: 333.665+/-174.871 χ^2/NDF:42.5/29

All: 205.563+/-125.209 χ^2/NDF: 71.9/55



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 572.630+/-0.142 χ^2/NDF:905364.5/10

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 612.186+/-0.150 χ^2/NDF:606847.9/9

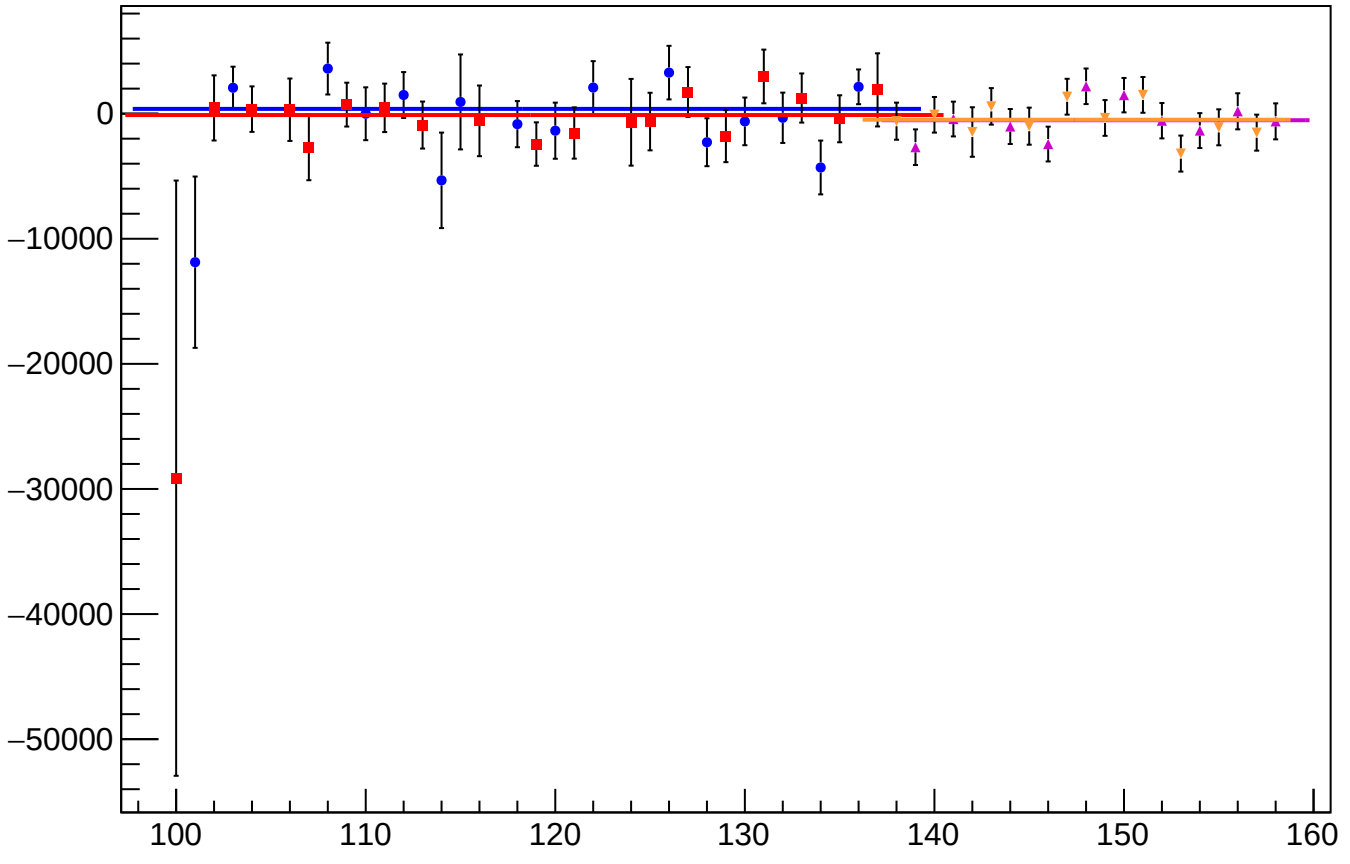
Left: 591.385+/-0.103 χ^2/NDF: 1548998.0/20

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 685.624+/-0.127 χ^2/NDF:2479510.3/25

Out: 658.426+/-0.124 χ^2/NDF:3262078.8/29

All: 671.681+/-0.089 χ^2/NDF: 5765165.8/55



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -485.484+/-445.216 χ^2/NDF:8.8/10

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -525.114+/-445.494 χ^2/NDF:10.7/9

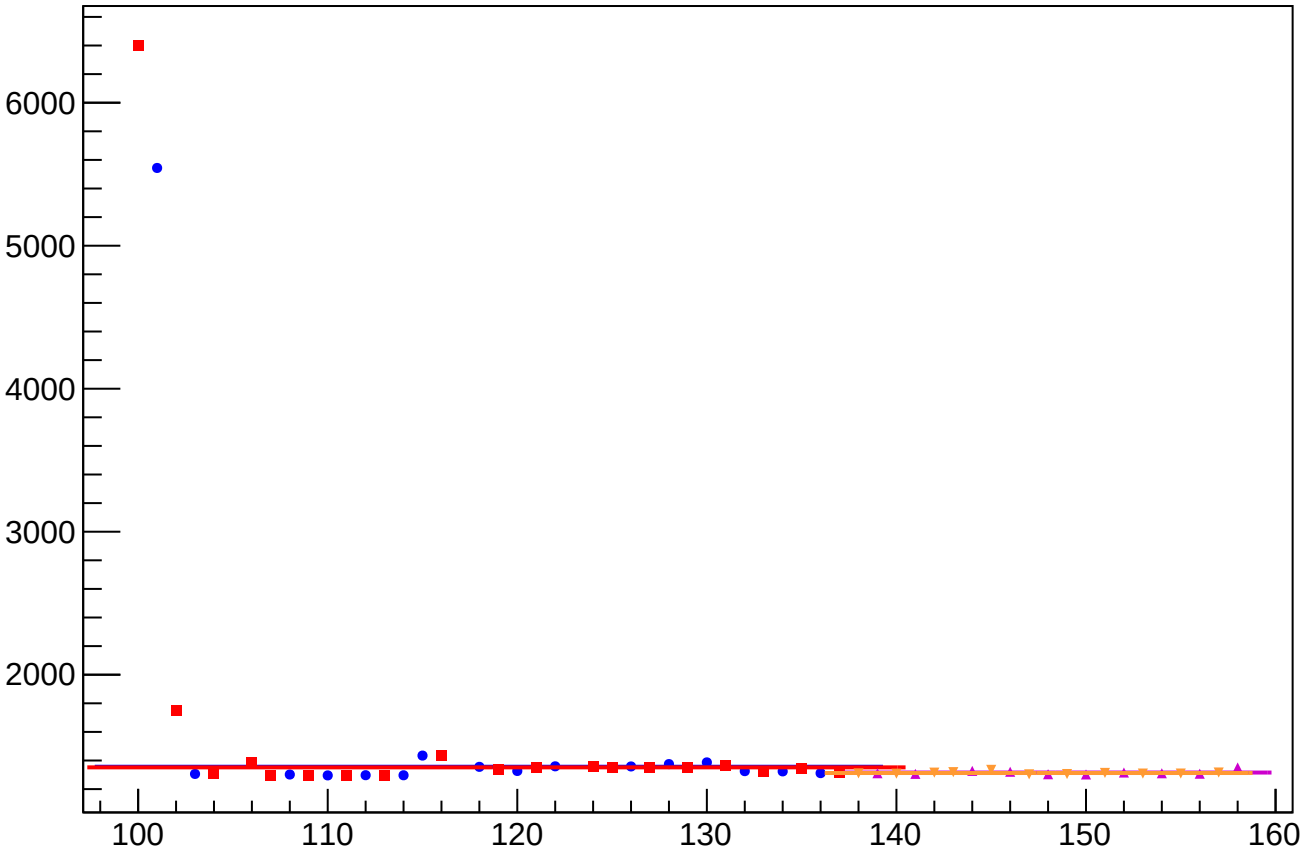
Left: -505.287+/-314.914 χ^2/NDF: 19.5/20

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -139.378+/-337.704 χ^2/NDF:33.9/25

Out: -320.551+/-333.294 χ^2/NDF:19.1/29

All: -231.155+/-237.218 χ^2/NDF: 53.2/55



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.598+/-0.315 χ^2/NDF:682.8/10

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

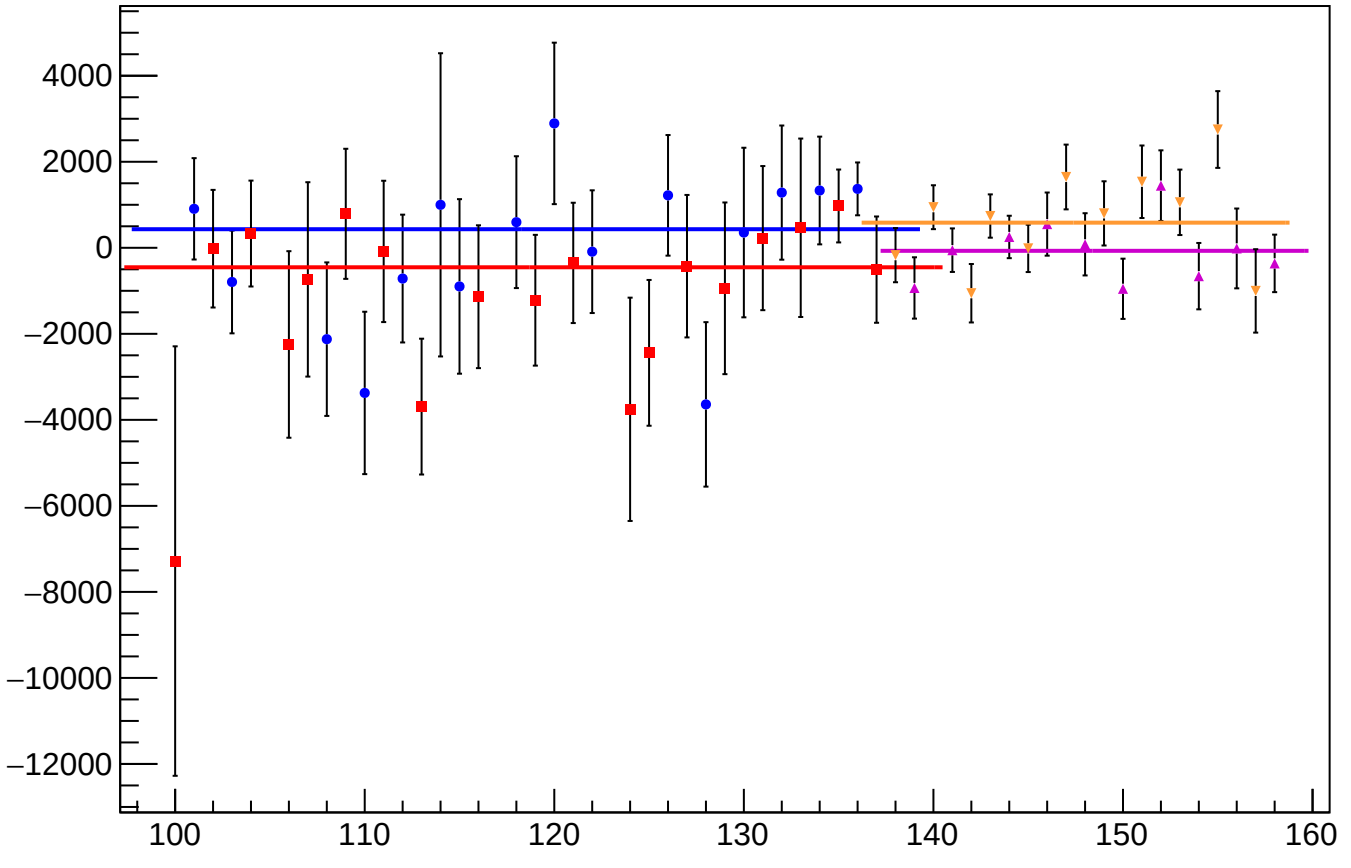
Left: 1314.222+/-0.223 χ^2/NDF: 2647.9/20

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1333.096+/-0.239 χ^2/NDF:769225.4/25

Out: 1329.955+/-0.236 χ^2/NDF:154924.3/29

All: 1331.505+/-0.168 χ^2/NDF: 924237.3/55



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 584.598+/-200.833 χ^2/NDF:21.3/10

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -70.358+/-211.512 χ^2/NDF:8.4/9

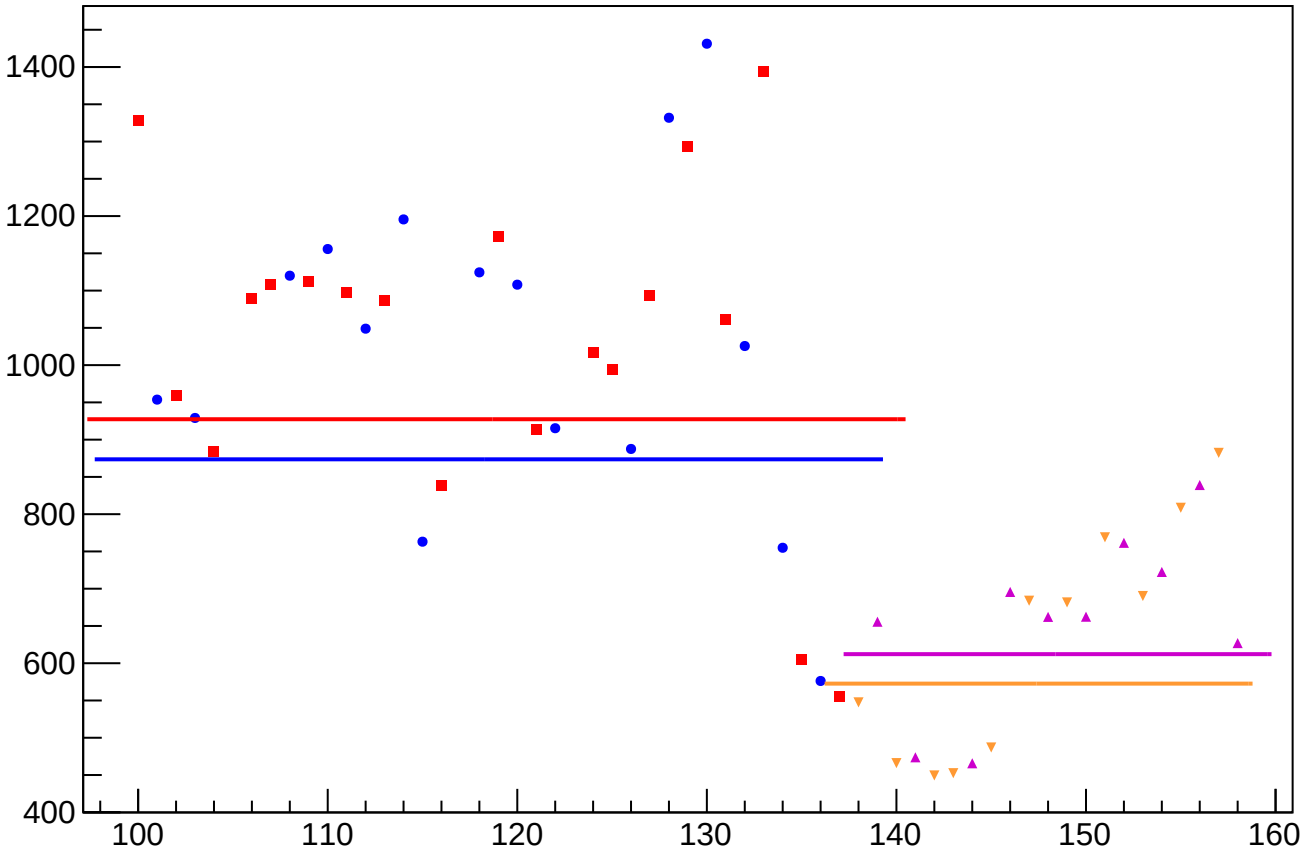
Left: 274.071+/-145.639 χ^2/NDF: 34.8/20

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 70.802+/-179.359 χ^2/NDF:28.3/25

Out: 333.665+/-174.871 χ^2/NDF:42.5/29

All: 205.563+/-125.209 χ^2/NDF: 71.9/55



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 572.630+/-0.142 χ^2/NDF:905364.5/10

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 612.186+/-0.150 χ^2/NDF:606847.9/9

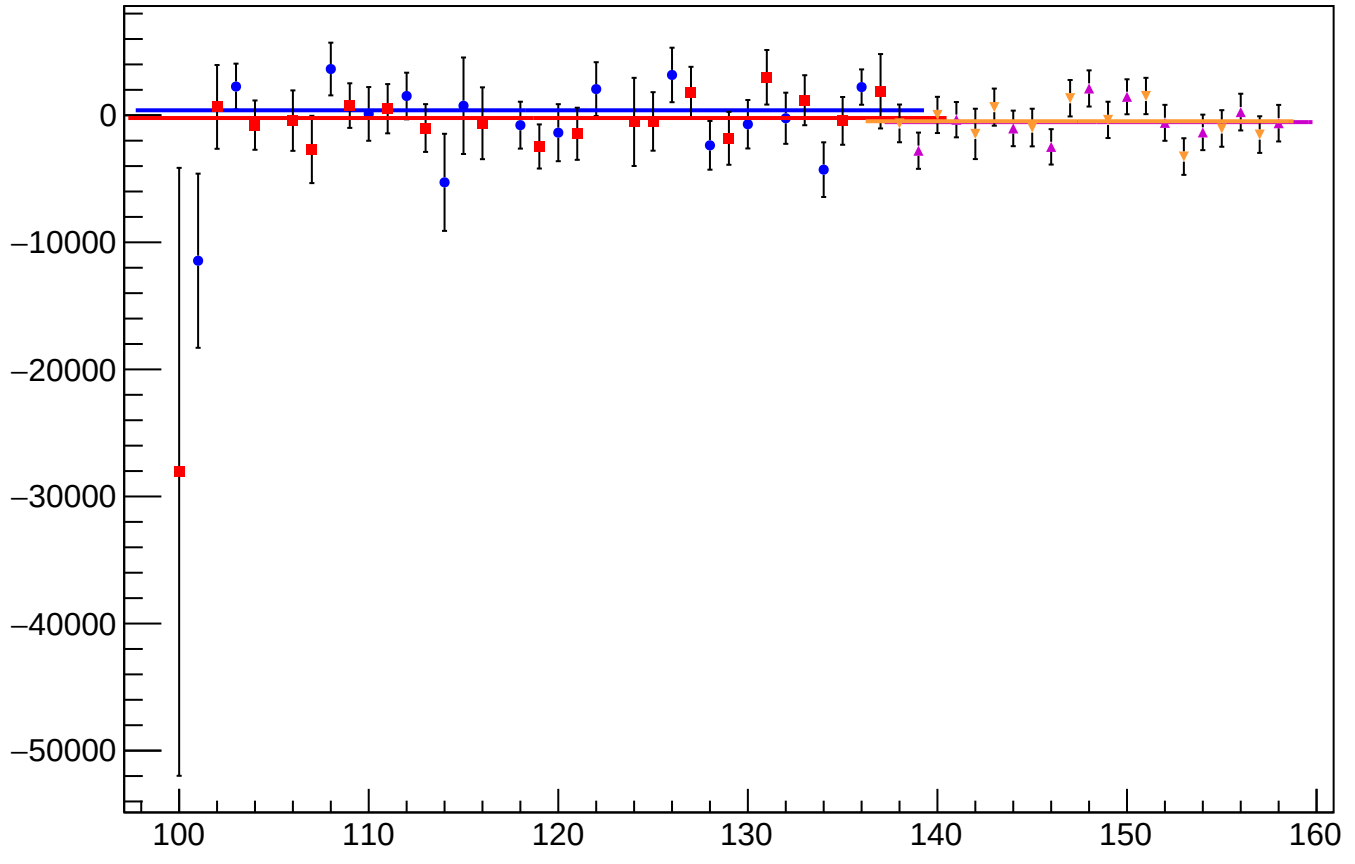
Left: 591.385+/-0.103 χ^2/NDF: 1548998.0/20

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 685.624+/-0.127 χ^2/NDF:2479510.3/25

Out: 658.426+/-0.124 χ^2/NDF:3262078.8/29

All: 671.681+/-0.089 χ^2/NDF: 5765165.8/55



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -472.061+/-445.557 χ^2/NDF:9.0/10

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -541.445+/-445.796 χ^2/NDF:10.8/9

Left: -506.734+/-315.141 χ^2/NDF: 19.8/20

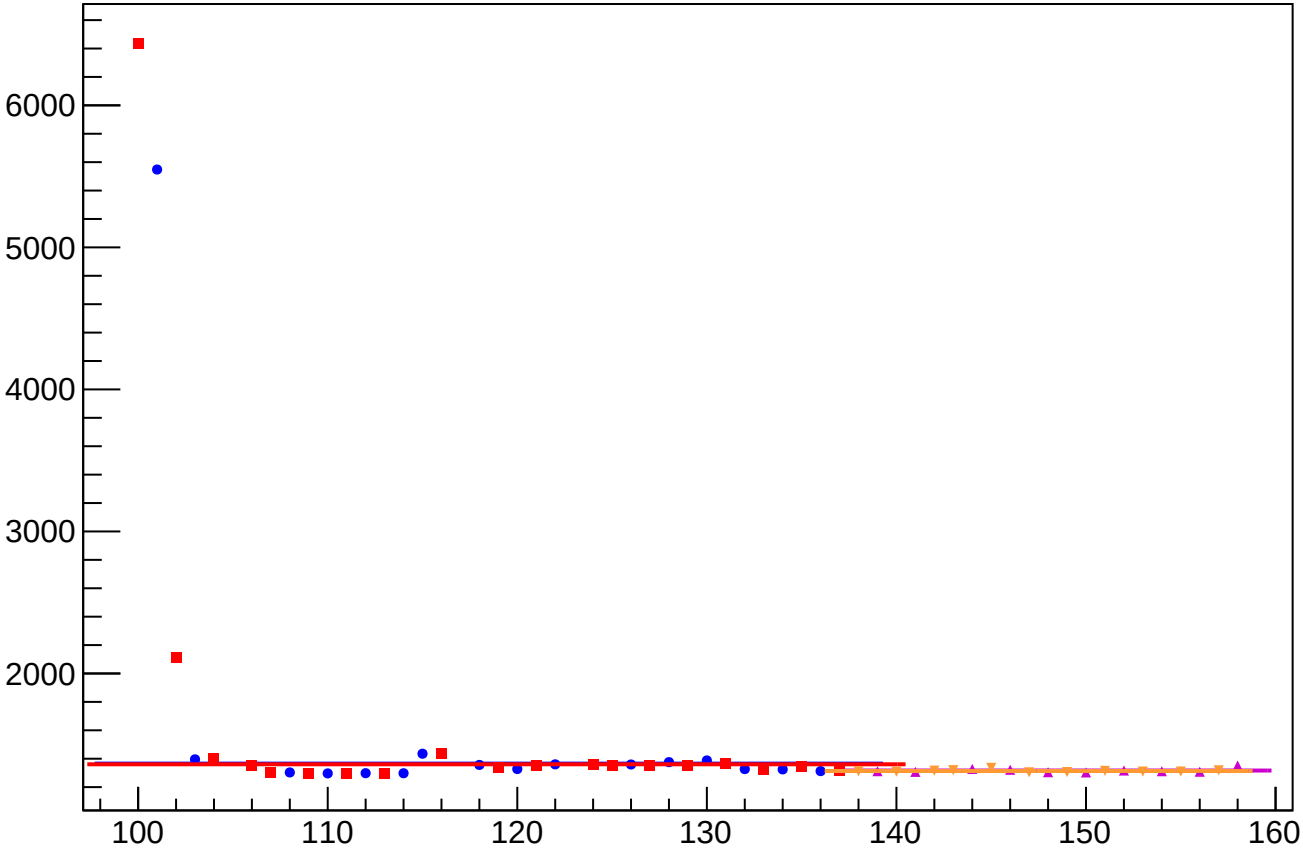
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -147.900+/-338.766 χ^2/NDF:34.0/25

Out: -361.659+/-334.949 χ^2/NDF:19.1/29

All: -255.991+/-238.183 χ^2/NDF: 53.4/55

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.601+/-0.315 χ^2/NDF:682.1/10

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1316.740+/-0.315 χ^2/NDF:1911.0/9

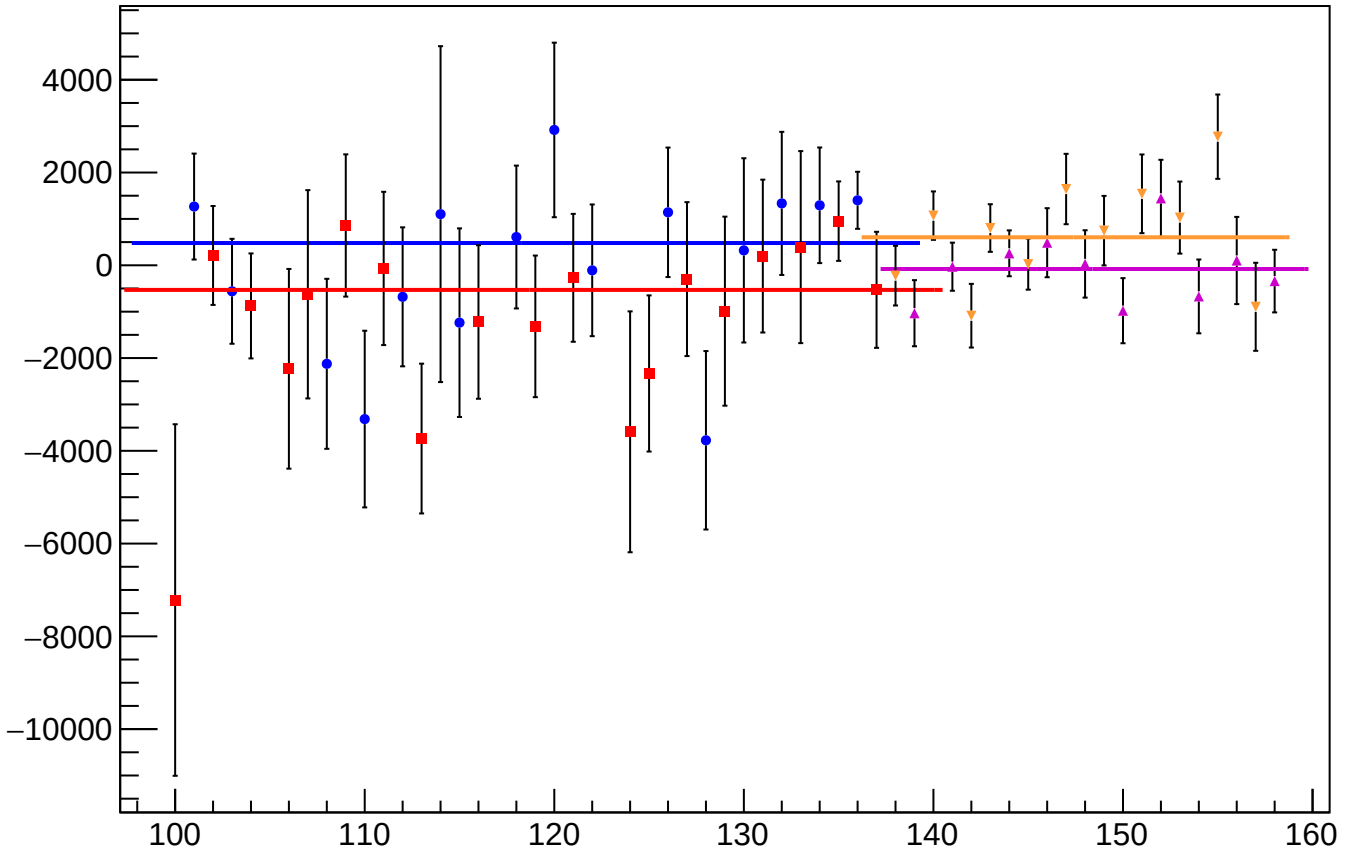
Left: 1315.170+/-0.223 χ^2/NDF: 2642.6/20

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1337.259+/-0.240 χ^2/NDF:770883.8/25

Out: 1334.114+/-0.237 χ^2/NDF:215744.9/29

All: 1335.668+/-0.168 χ^2/NDF: 986715.9/55



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 604.053+/-203.331 χ^2/NDF:21.4/10

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -79.839+/-213.866 χ^2/NDF:8.6/9

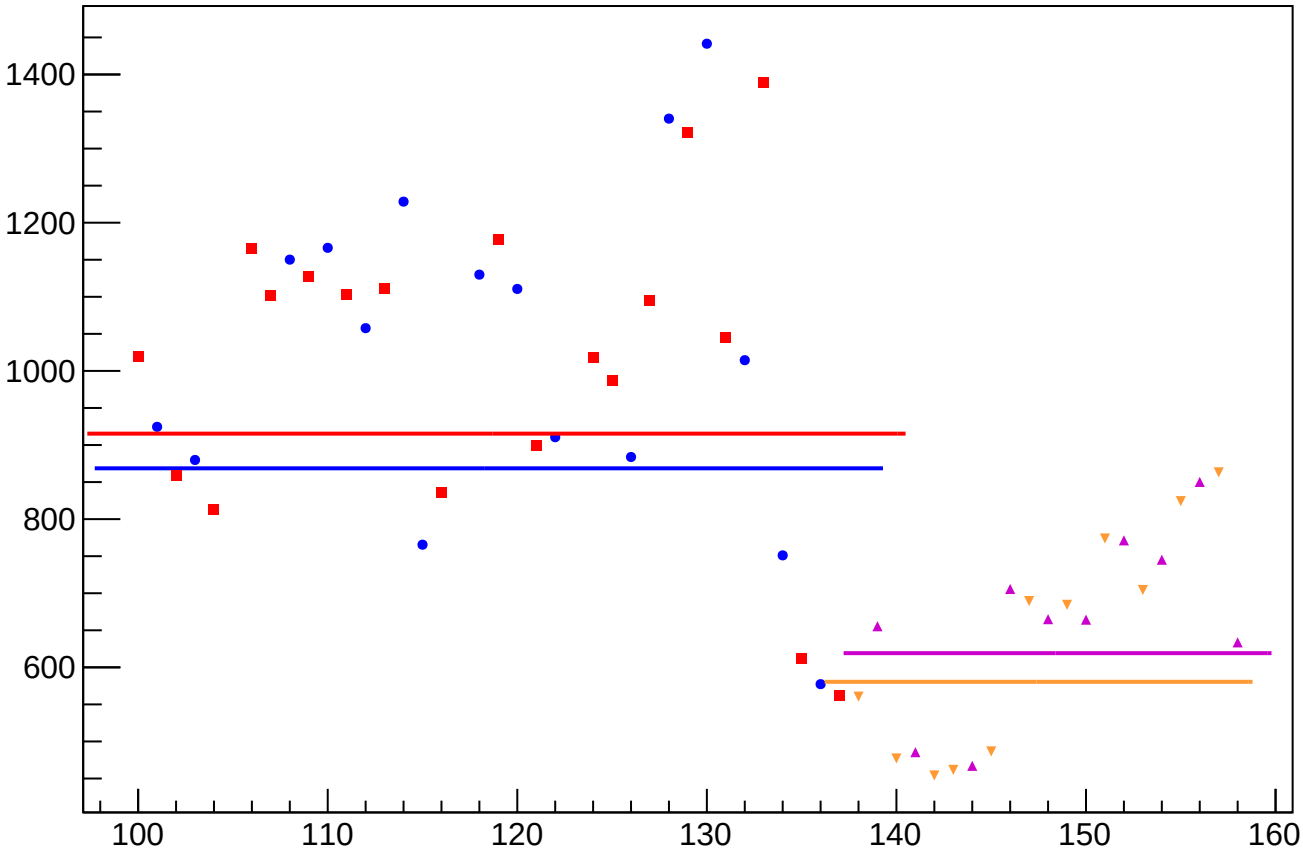
Left: 279.364+/-147.360 χ^2/NDF: 35.4/20

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 81.338+/-180.499 χ^2/NDF:29.2/25

Out: 312.938+/-175.316 χ^2/NDF:45.0/29

All: 200.511+/-125.760 χ^2/NDF: 75.0/55



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 580.505+/-0.144 χ^2/NDF:869133.1/10

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 619.165+/-0.151 χ^2/NDF:609435.1/9

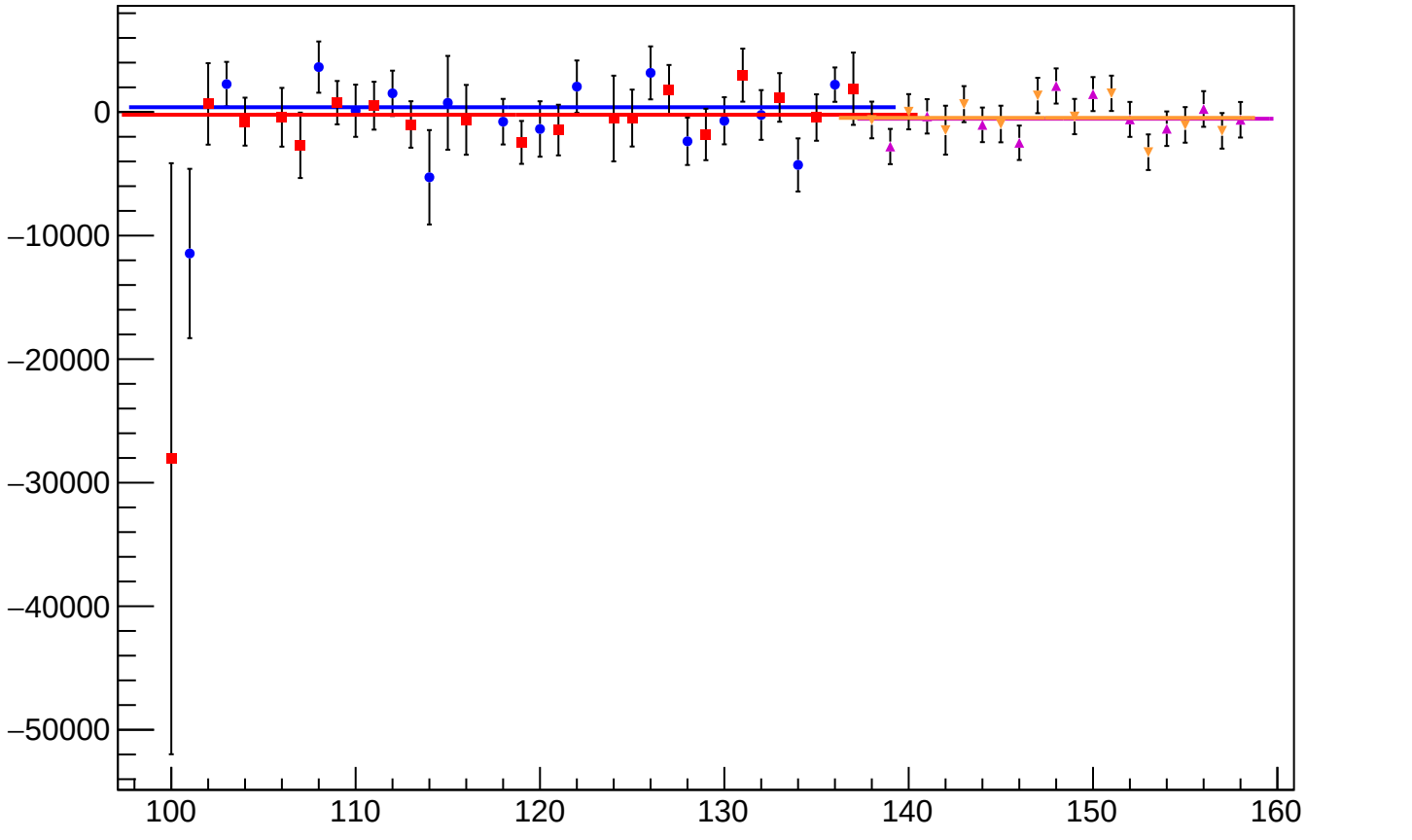
Left: 598.859+/-0.104 χ^2/NDF: 1512895.3/20

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.917+/-0.128 χ^2/NDF:2413286.7/25

Out: 666.423+/-0.124 χ^2/NDF:3119793.3/29

All: 678.313+/-0.089 χ^2/NDF: 5552032.8/55



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -472.062+/-445.557 χ^2/NDF:9.0/10

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -541.444+/-445.796 χ^2/NDF:10.8/9

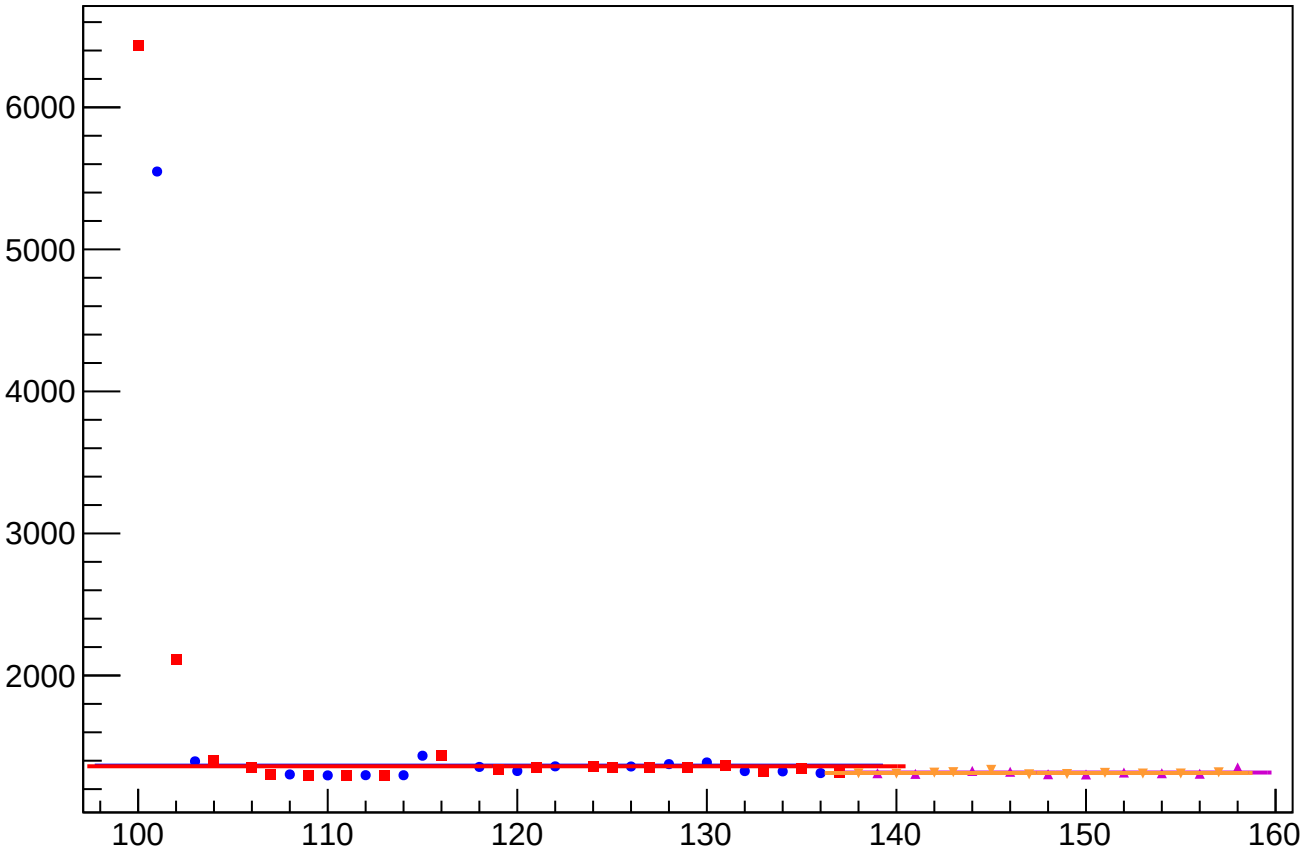
Left: -506.735+/-315.141 χ^2/NDF: 19.8/20

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -147.900+/-338.766 χ^2/NDF:34.0/25

Out: -361.659+/-334.949 χ^2/NDF:19.1/29

All: -255.990+/-238.183 χ^2/NDF: 53.4/55



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.601+/-0.315 χ^2/NDF:682.1/10

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.740+/-0.315 χ^2/NDF:1911.0/9

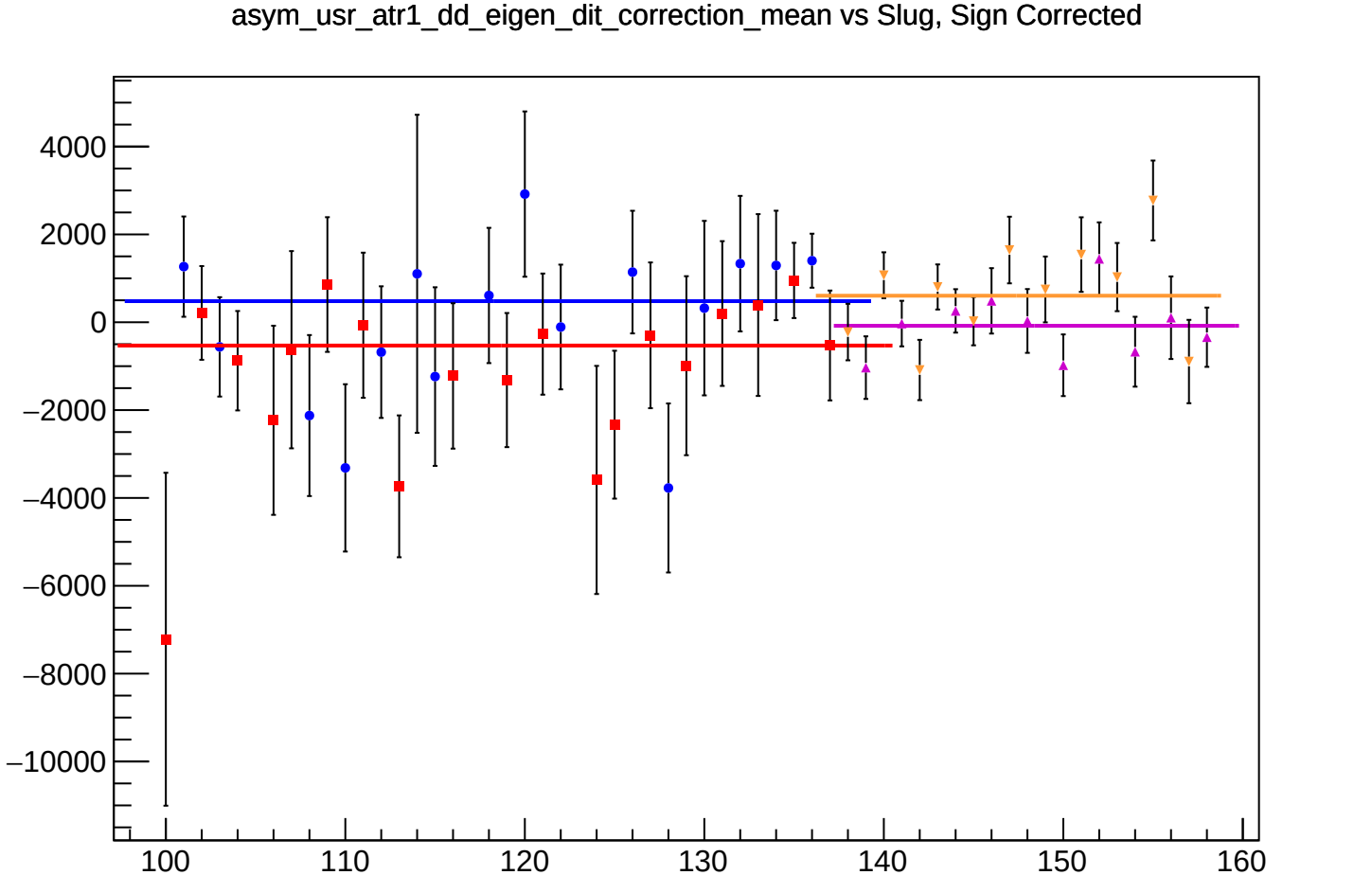
Left: 1315.170+/-0.223 χ^2/NDF: 2642.6/20

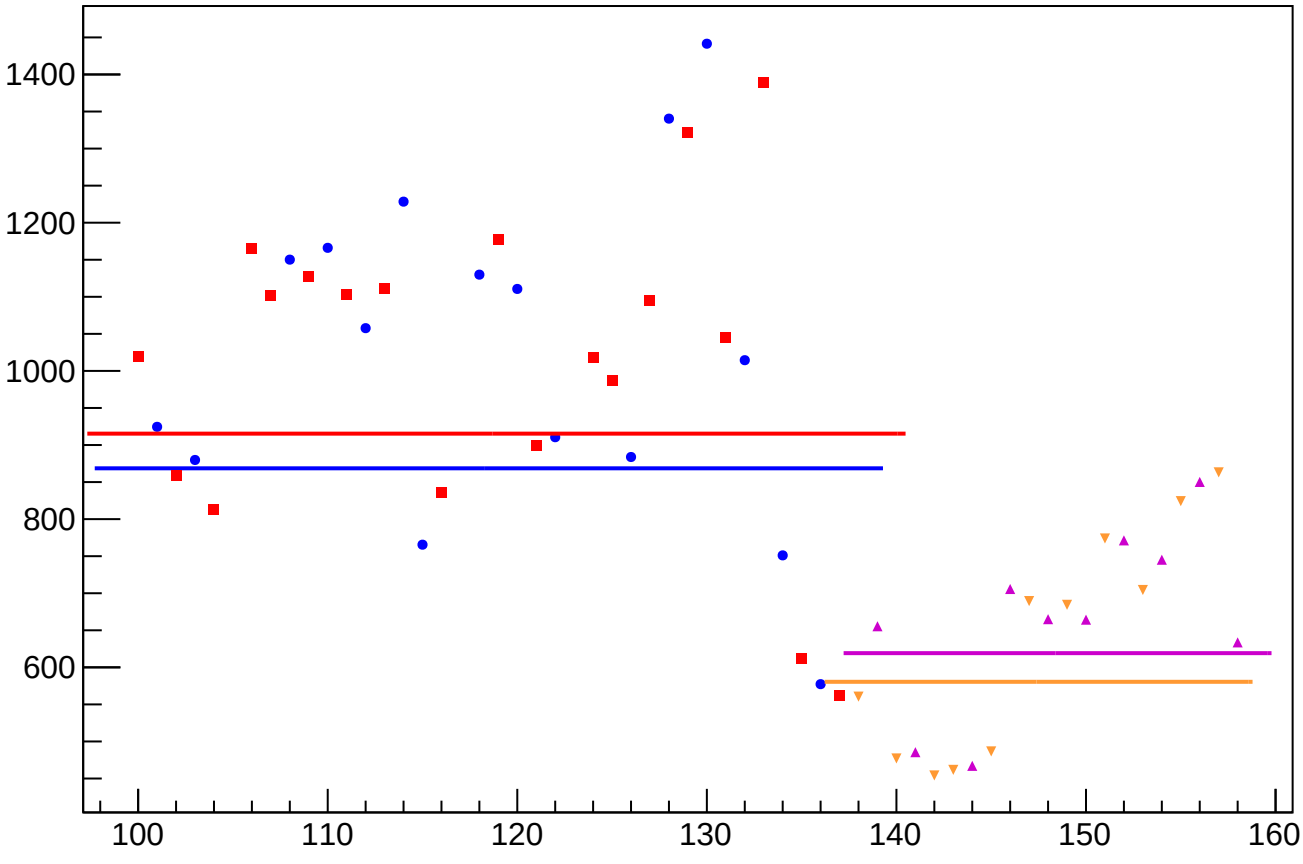
Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1337.259+/-0.240 χ^2/NDF:770883.8/25

Out: 1334.114+/-0.237 χ^2/NDF:215744.9/29

All: 1335.668+/-0.168 χ^2/NDF: 986715.8/55


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 604.054+/-203.331 χ²/NDF:21.4/10
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -79.839+/-213.866 χ²/NDF:8.6/9
Left: 279.365+/-147.361 χ²/NDF: 35.4/20
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 81.339+/-180.499 χ²/NDF:29.2/25
Out: 312.938+/-175.316 χ²/NDF:45.0/29
All: 200.512+/-125.760 χ²/NDF: 75.0/55



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 580.504+/-0.144 χ^2/NDF:869144.8/10

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 619.166+/-0.151 χ^2/NDF:609440.8/9

Left: 598.860+/-0.104 χ^2/NDF: 1512914.6/20

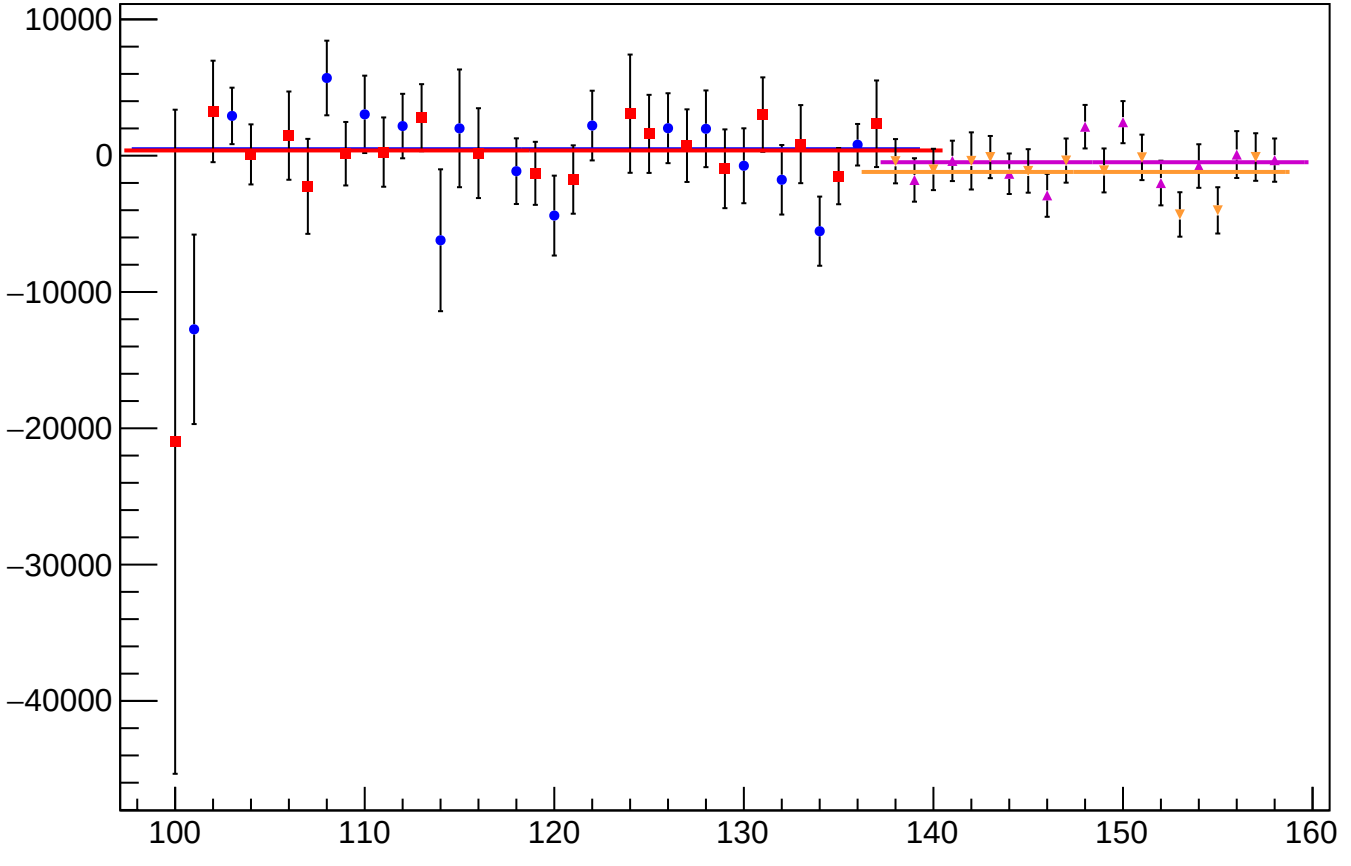
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 690.918+/-0.128 χ^2/NDF:2413272.7/25

Out: 666.422+/-0.124 χ^2/NDF:3119795.2/29

All: 678.313+/-0.089 χ^2/NDF: 5552021.8/55

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1192.468+/-498.216 χ^2/NDF:8.4/10

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -479.407+/-499.088 χ^2/NDF:10.7/9

Left: -836.561+/-352.600 χ^2/NDF: 20.1/20

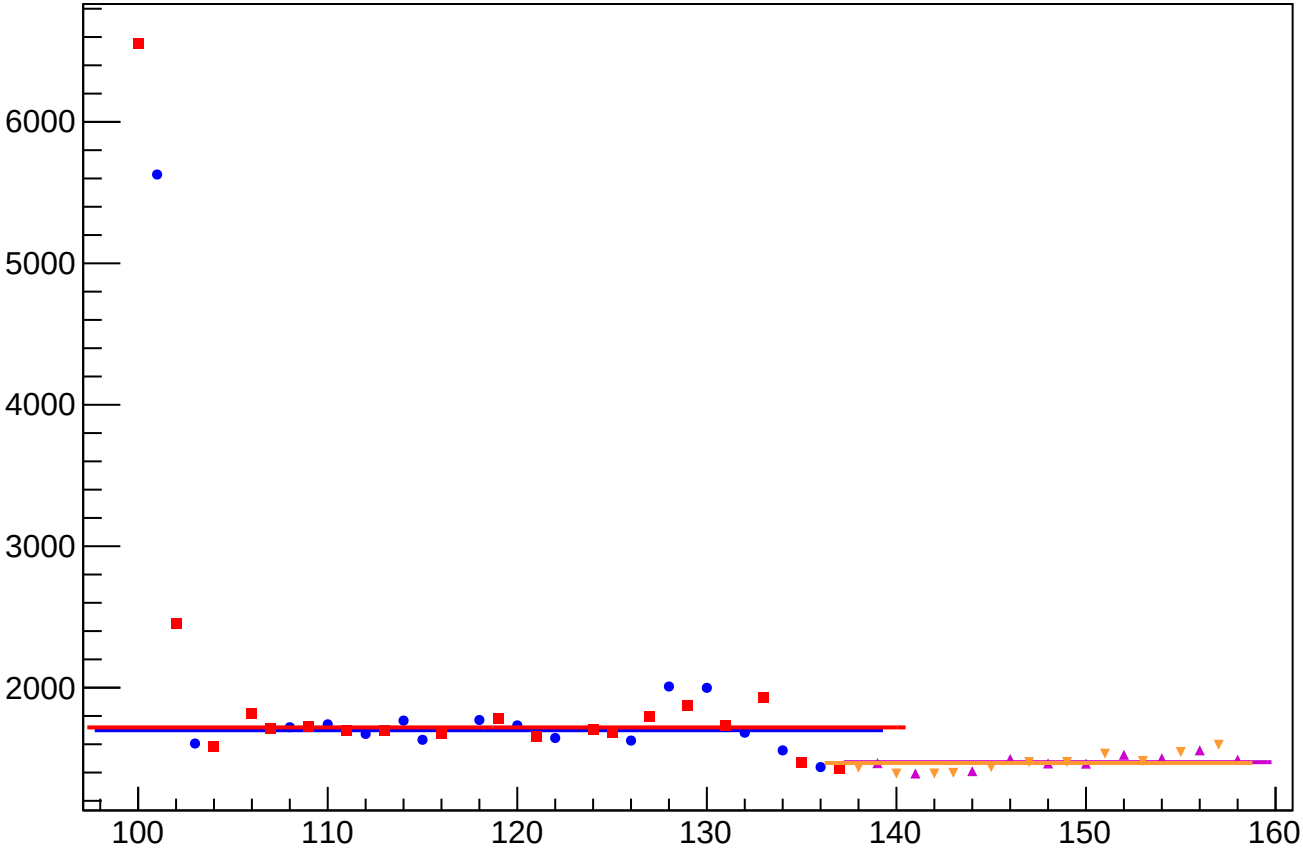
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -125.462+/-395.686 χ^2/NDF:34.7/25

Out: -599.618+/-393.598 χ^2/NDF:19.4/29

All: -363.794+/-279.051 χ^2/NDF: 54.9/55

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1467.330+/-0.352 χ^2/NDF:31308.6/10

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1473.341+/-0.353 χ^2/NDF:17683.2/9

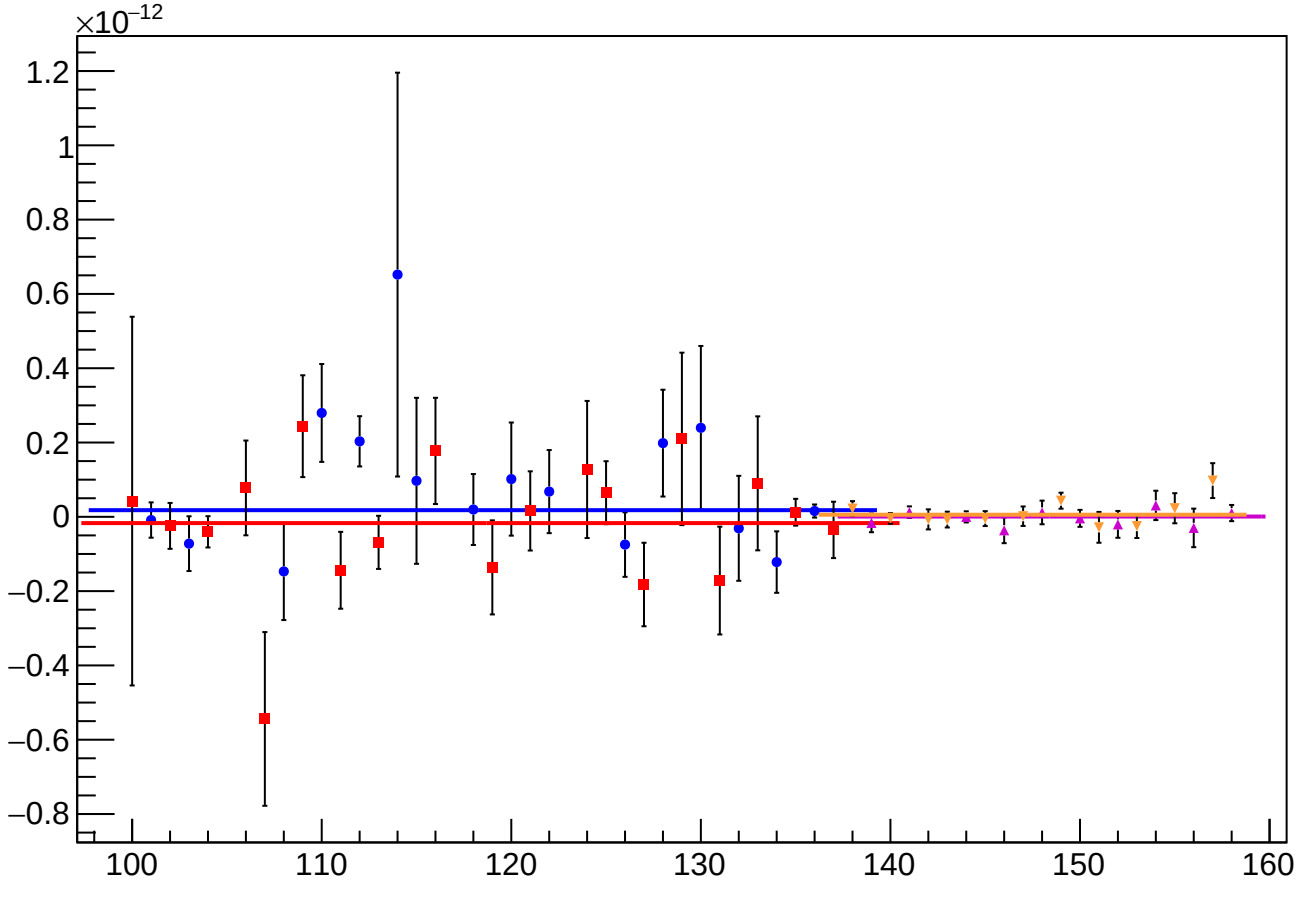
Left: 1470.330+/-0.249 χ^2/NDF: 49137.1/20

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1557.282+/-0.280 χ^2/NDF:932093.5/25

Out: 1561.965+/-0.278 χ^2/NDF:457040.9/29

All: 1559.636+/-0.197 χ^2/NDF: 1389275.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/9

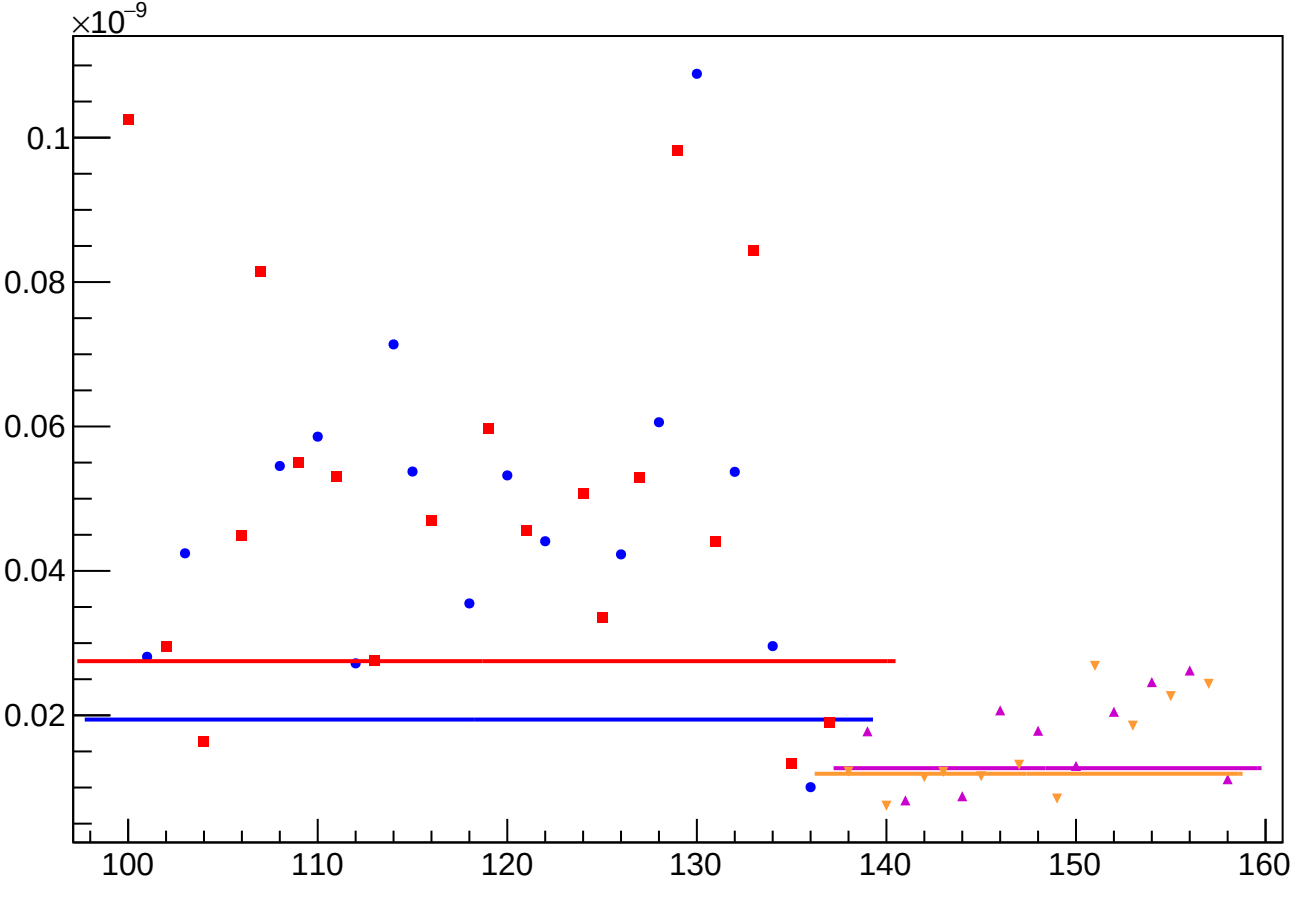
Left: 0.000+/-0.000 χ^2/NDF: 14.7/20

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:28.5/25

Out: 0.000+/-0.000 χ^2/NDF:33.2/29

All: 0.000+/-0.000 χ^2/NDF: 61.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:875559.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:964159.1/9

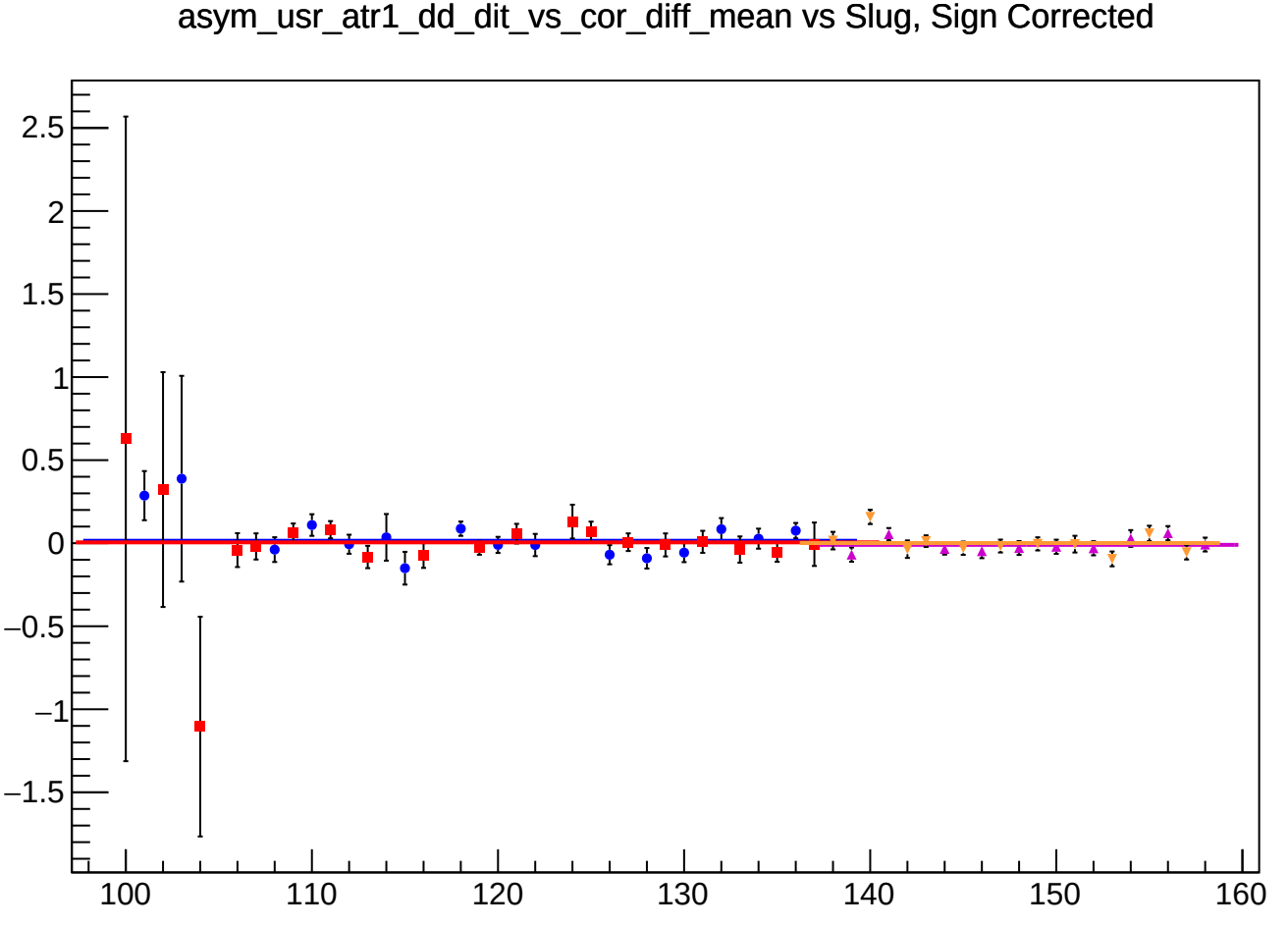
Left: 0.000+/-0.000 χ^2/NDF: 1850896.4/20

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3583708.4/25

Out: 0.000+/-0.000 χ^2/NDF:3694677.0/29

All: 0.000+/-0.000 χ^2/NDF: 7280441.5/55



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.013 χ^2/NDF:10.0/9

Left: -0.005+/-0.009 χ^2/NDF: 32.9/20

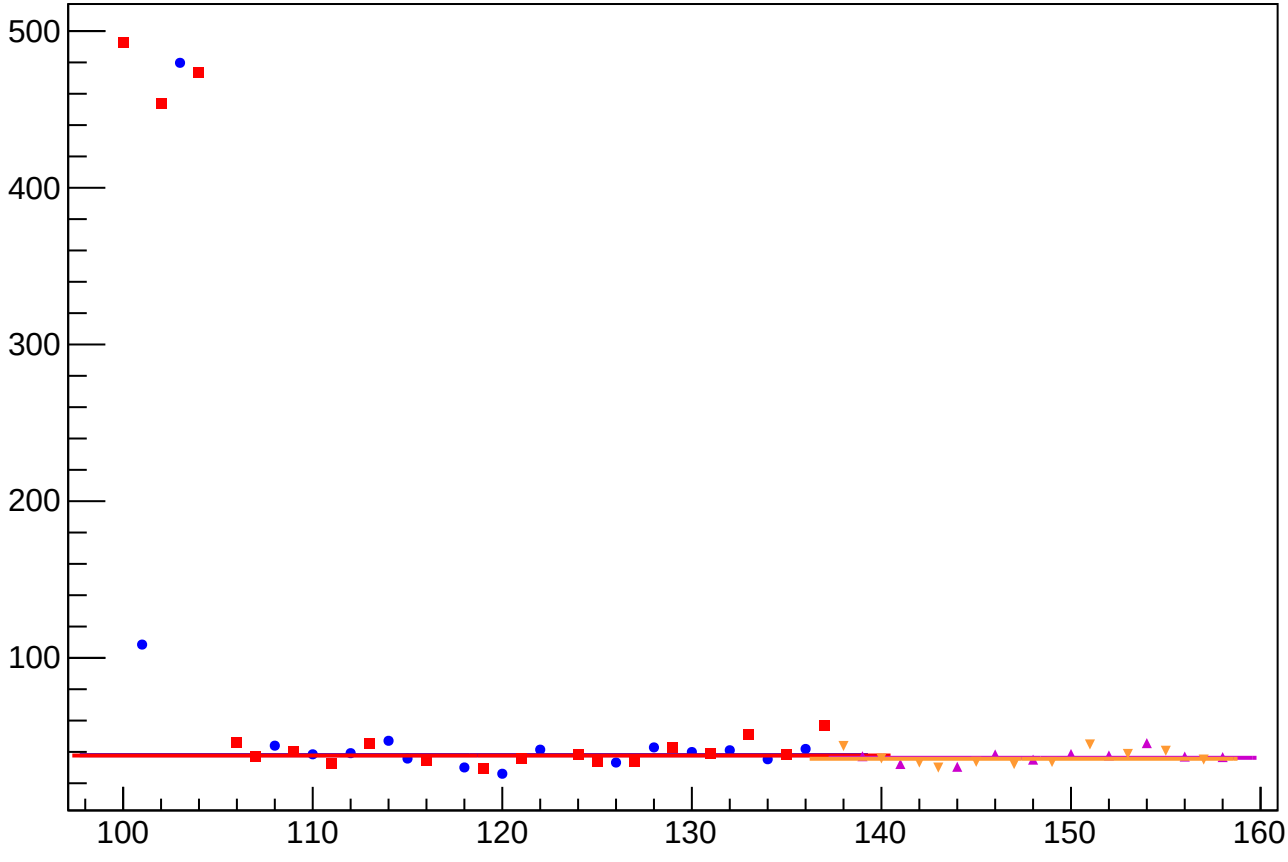
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.000+/-0.010 χ^2/NDF:33.4/25

Out: 0.002+/-0.010 χ^2/NDF:37.5/29

All: 0.001+/-0.007 χ^2/NDF: 71.0/55

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.624+/-0.009 χ^2/NDF:229364.9/10

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.241+/-0.009 χ^2/NDF:164204.7/9

Left: 35.932+/-0.007 χ^2/NDF: 395798.9/20

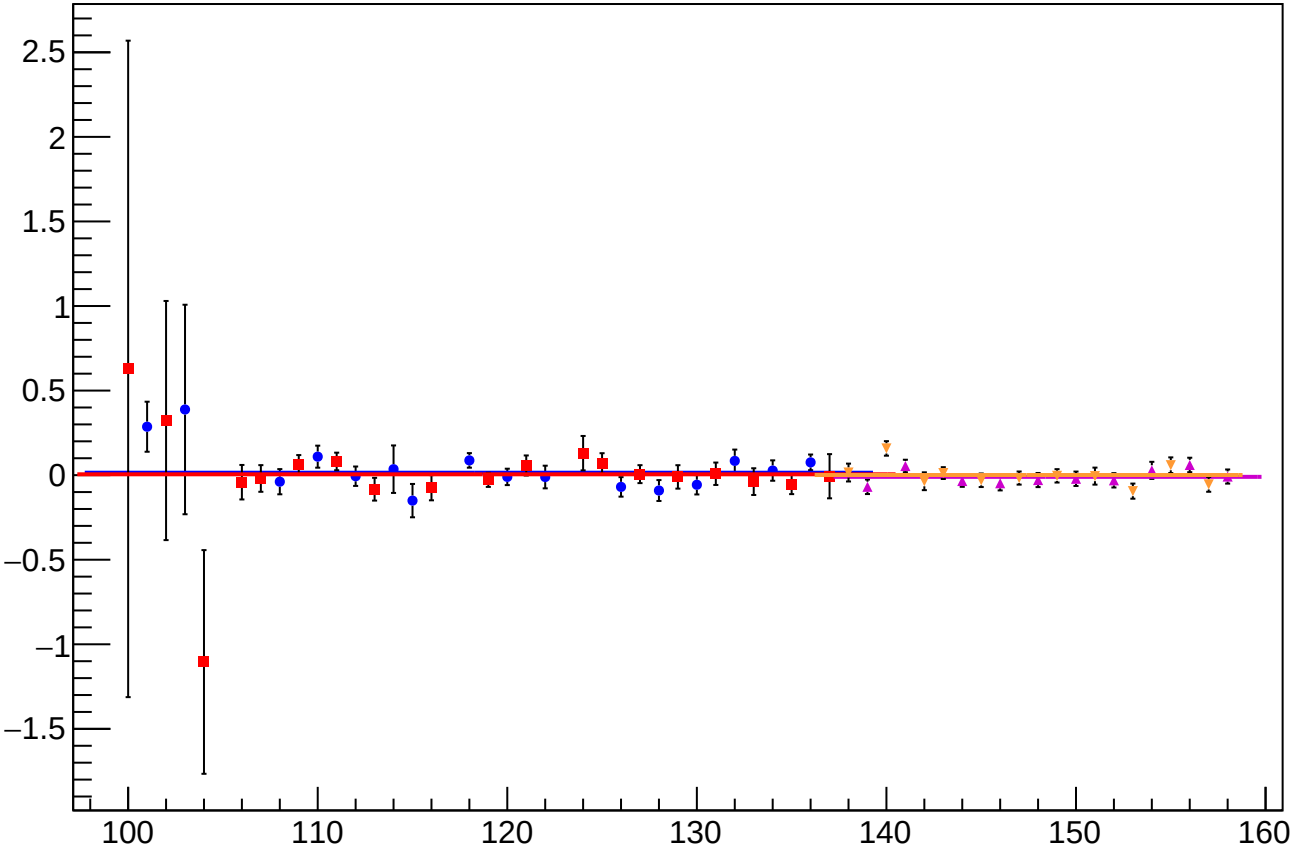
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.925+/-0.007 χ^2/NDF:1917514.5/25

Out: 36.448+/-0.007 χ^2/NDF:2194324.6/29

All: 36.687+/-0.005 χ^2/NDF: 4114069.3/55

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.013 χ^2/NDF:10.0/9

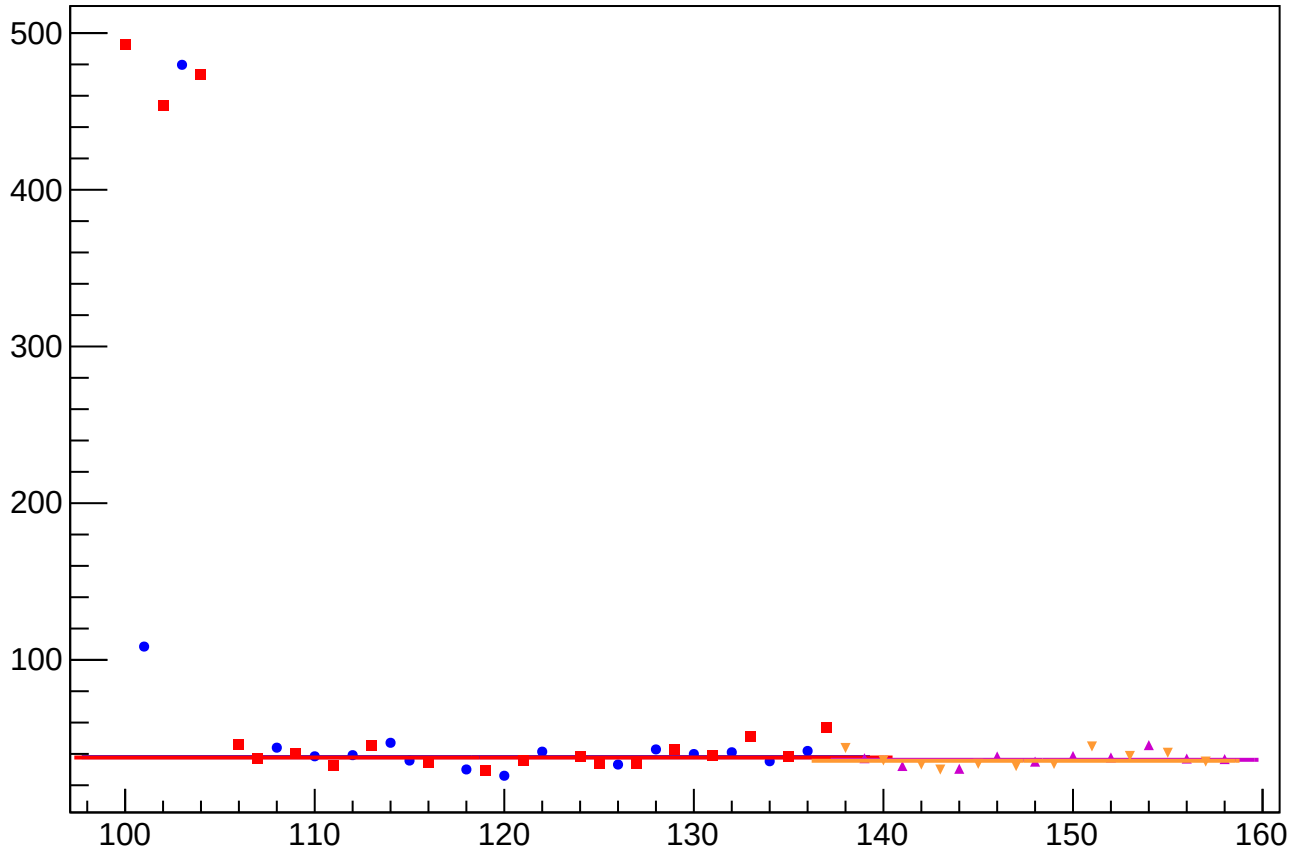
Left: -0.005+/-0.009 χ^2/NDF: 32.9/20

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.000+/-0.010 χ^2/NDF:33.4/25

Out: 0.002+/-0.010 χ^2/NDF:37.5/29

All: 0.001+/-0.007 χ^2/NDF: 71.0/55



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.624+/-0.009 χ^2/NDF:229364.9/10

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.241+/-0.009 χ^2/NDF:164204.7/9

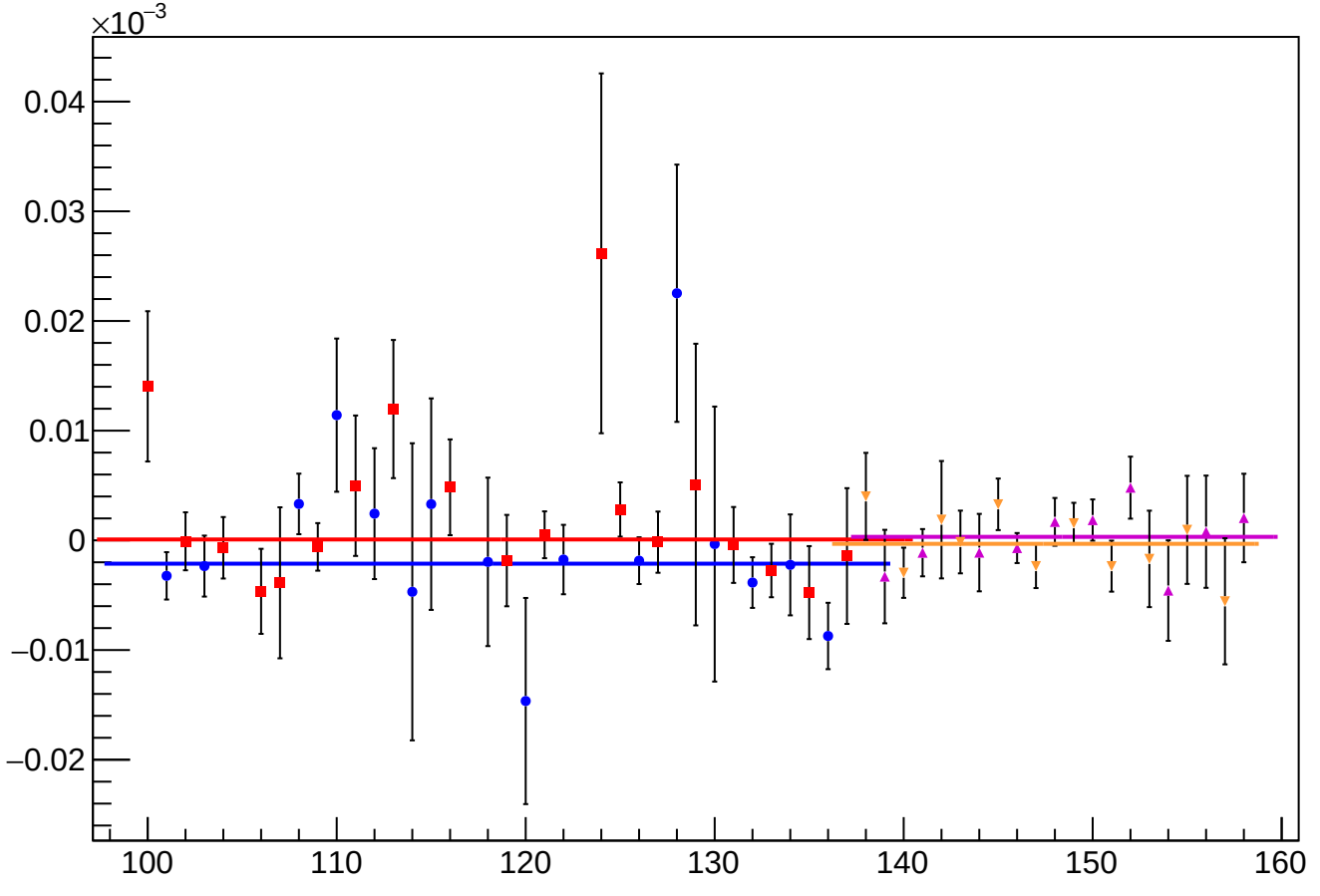
Left: 35.932+/-0.007 χ^2/NDF: 395798.9/20

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.925+/-0.007 χ^2/NDF:1917514.5/25

Out: 36.448+/-0.007 χ^2/NDF:2194324.6/29

All: 36.687+/-0.005 χ^2/NDF: 4114069.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/9

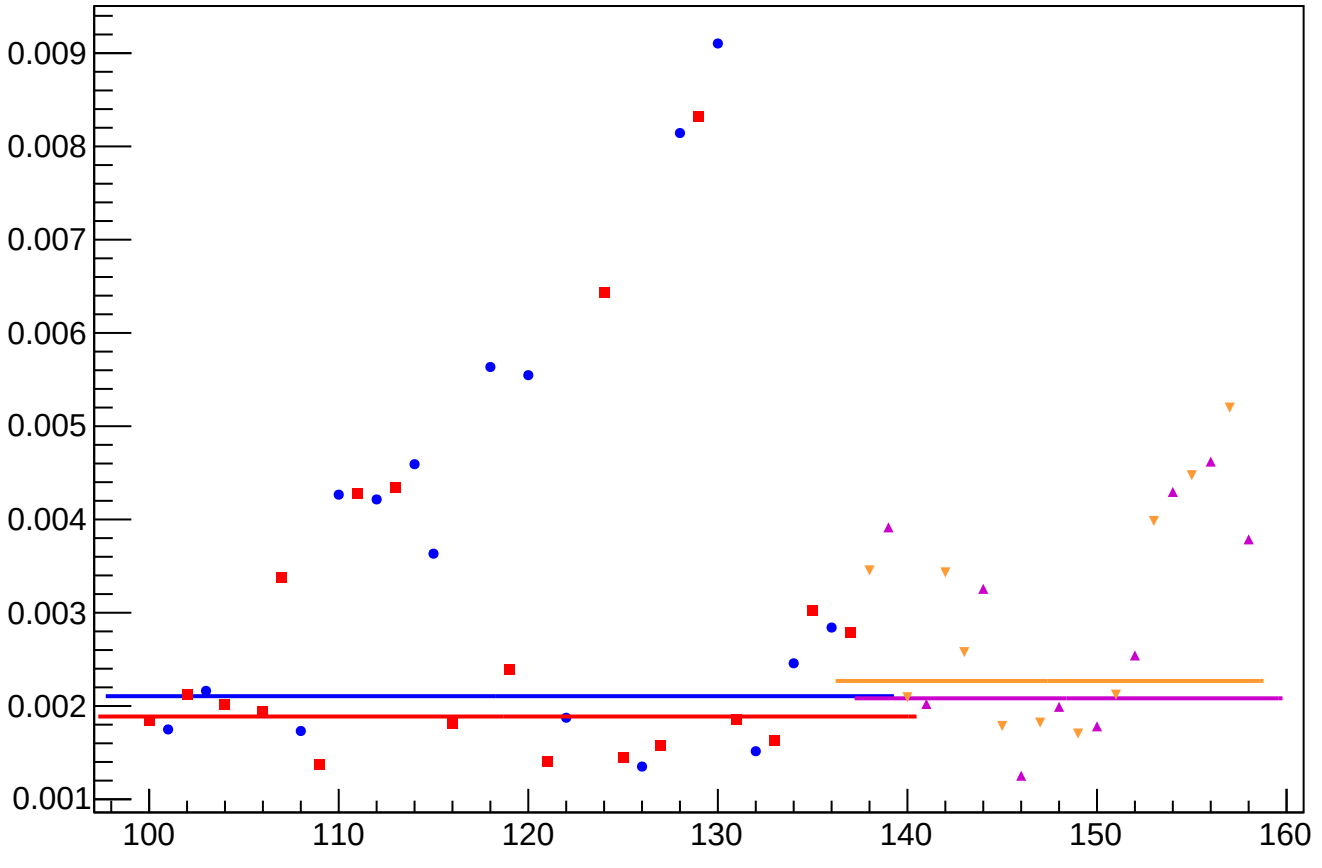
Left: 0.000+/-0.000 χ^2/NDF: 15.9/20

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:31.5/25

Out: -0.000+/-0.000 χ^2/NDF:27.3/29

All: -0.000+/-0.000 χ^2/NDF: 59.4/55



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1908275.1/10

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2751547.8/9

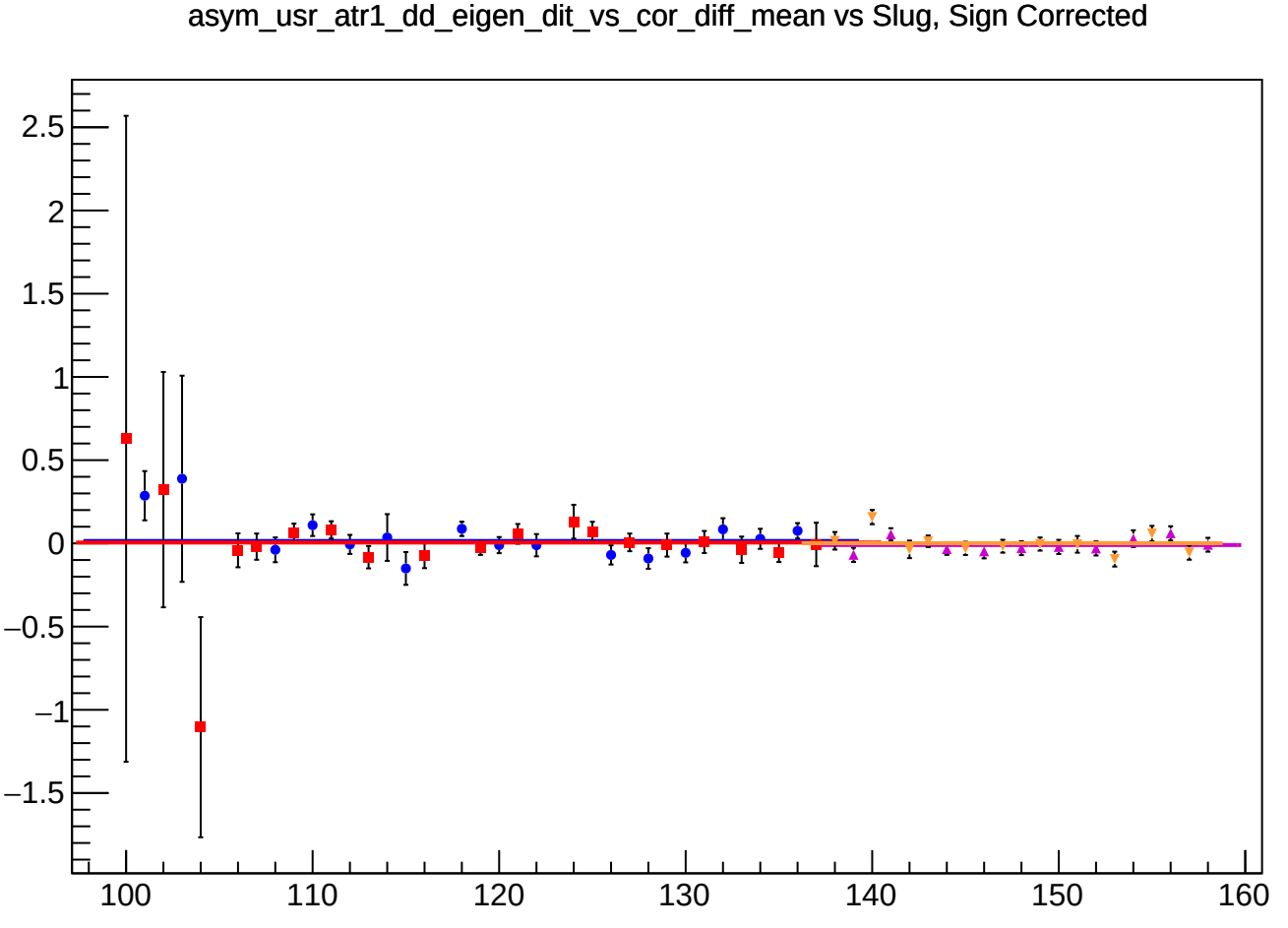
Left: 0.002+/-0.000 χ^2/NDF: 4713200.0/20

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:5769856.9/25

Out: 0.002+/-0.000 χ^2/NDF:4021230.2/29

All: 0.002+/-0.000 χ^2/NDF: 9792914.0/55



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.013 χ^2/NDF:10.0/9

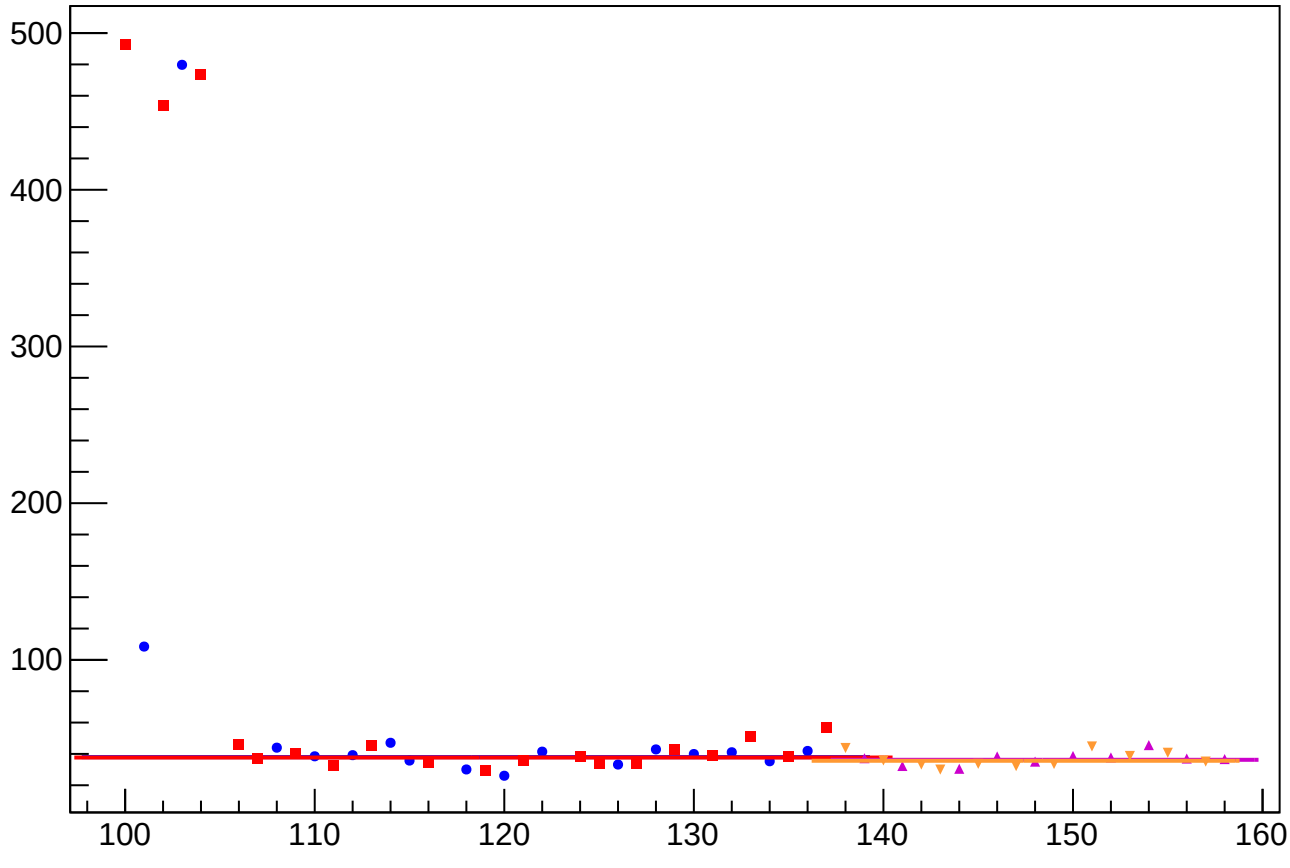
Left: -0.005+/-0.009 χ^2/NDF: 32.9/20

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.000+/-0.010 χ^2/NDF:33.4/25

Out: 0.002+/-0.010 χ^2/NDF:37.5/29

All: 0.001+/-0.007 χ^2/NDF: 71.0/55



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.624+/-0.009 χ^2/NDF:229421.3/10

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.240+/-0.009 χ^2/NDF:164244.9/9

Left: 35.931+/-0.007 χ^2/NDF: 395893.9/20

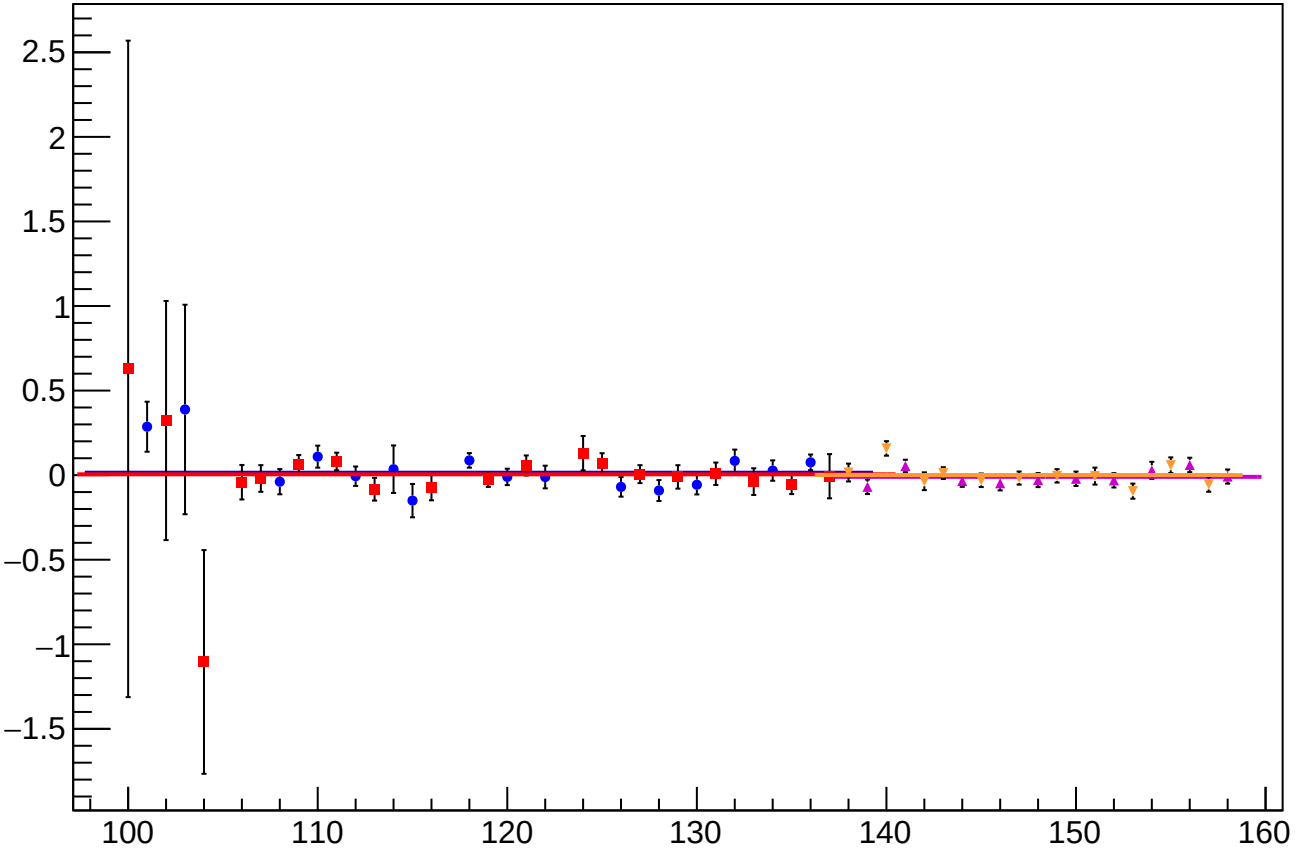
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.925+/-0.007 χ^2/NDF:1917562.3/25

Out: 36.447+/-0.007 χ^2/NDF:2194435.8/29

All: 36.686+/-0.005 χ^2/NDF: 4114229.5/55

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.013 χ^2/NDF:10.0/9

Left: -0.005+/-0.009 χ^2/NDF: 32.9/20

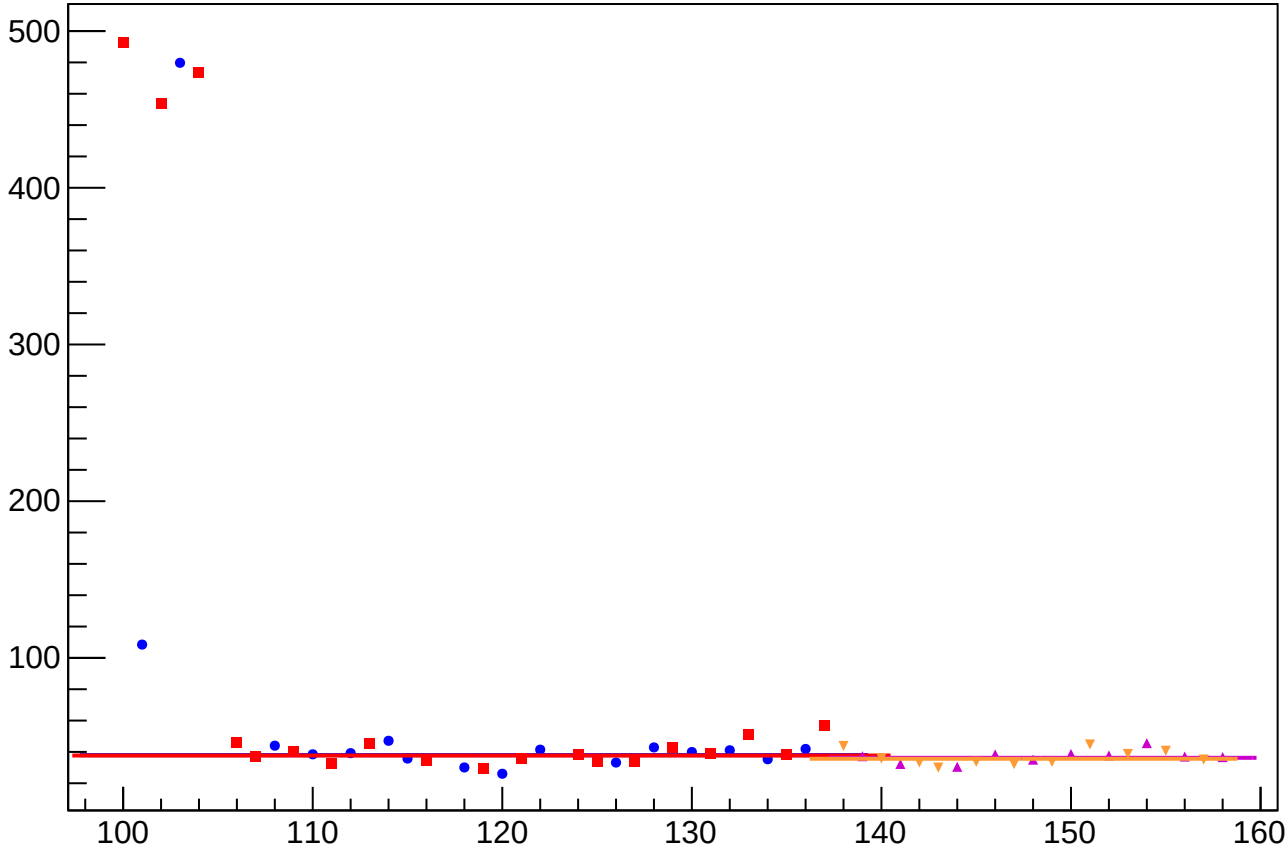
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.000+/-0.010 χ^2/NDF:33.4/25

Out: 0.002+/-0.010 χ^2/NDF:37.5/29

All: 0.001+/-0.007 χ^2/NDF: 71.0/55

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: 35.624+/-0.009 χ^2/NDF:229421.3/10

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.240+/-0.009 χ^2/NDF:164244.9/9

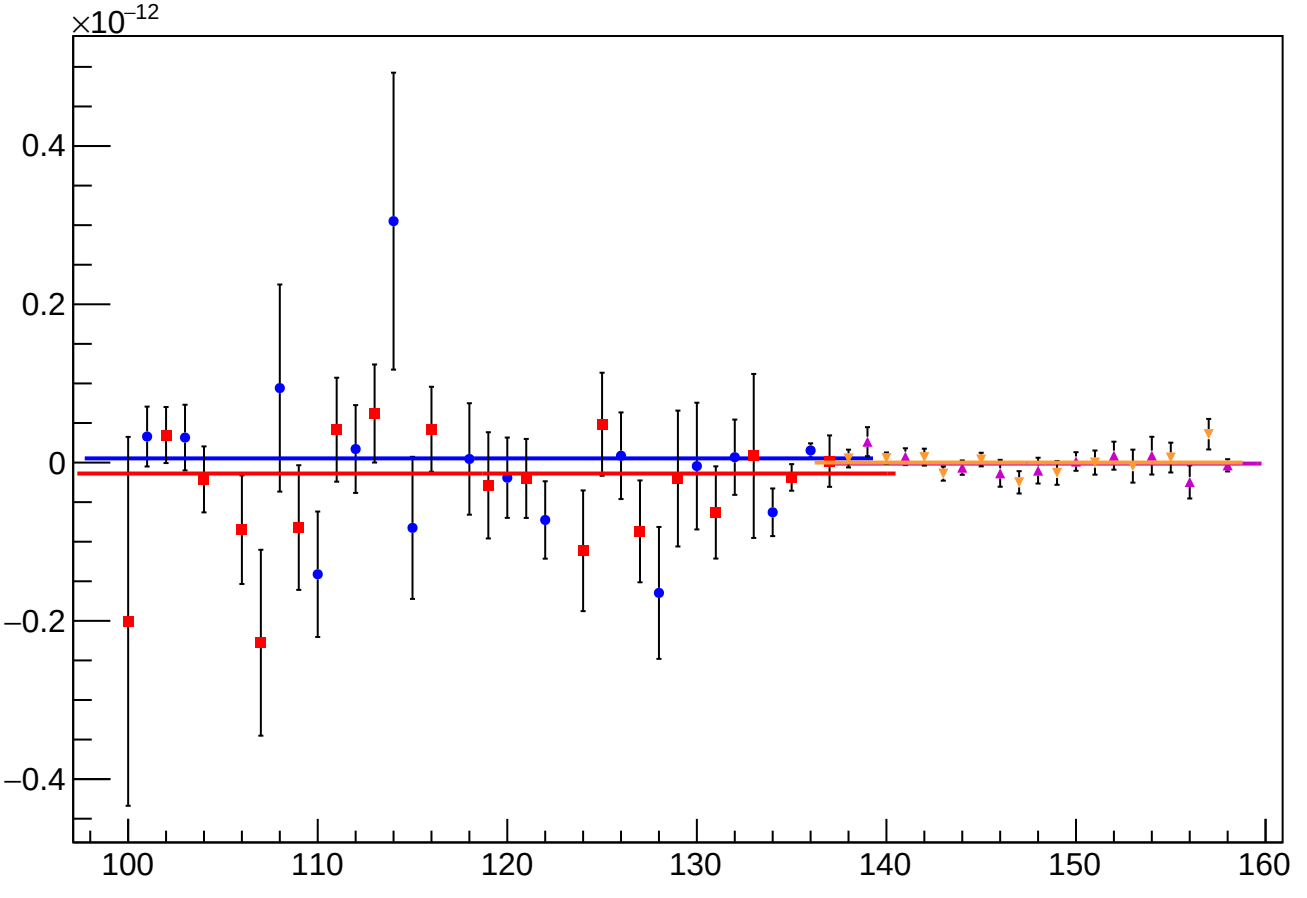
Left: 35.931+/-0.007 χ^2/NDF: 395893.9/20

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.925+/-0.007 χ^2/NDF:1917562.3/25

Out: 36.447+/-0.007 χ^2/NDF:2194435.8/29

All: 36.686+/-0.005 χ^2/NDF: 4114229.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/9

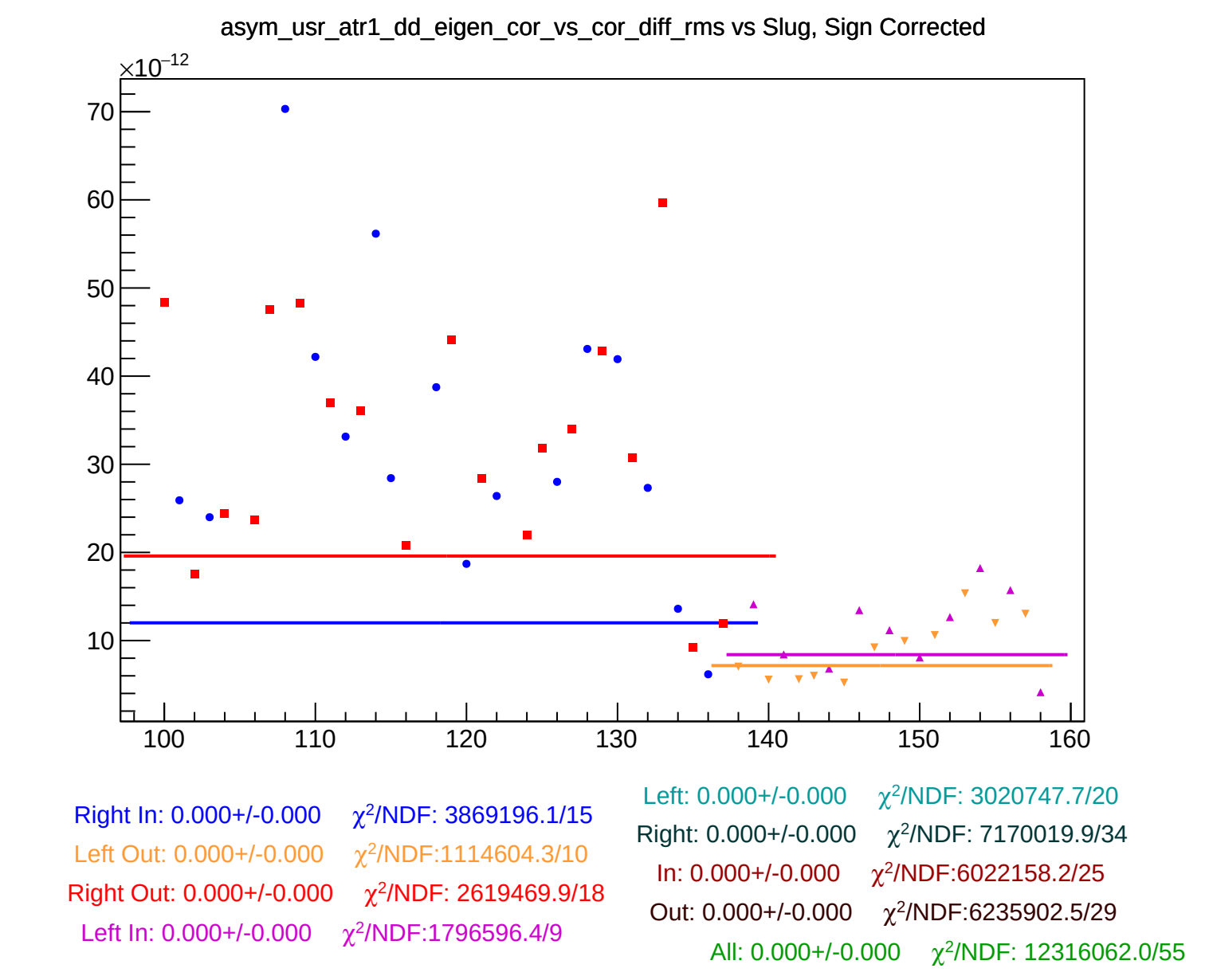
Left: -0.000+/-0.000 χ^2/NDF: 17.3/20

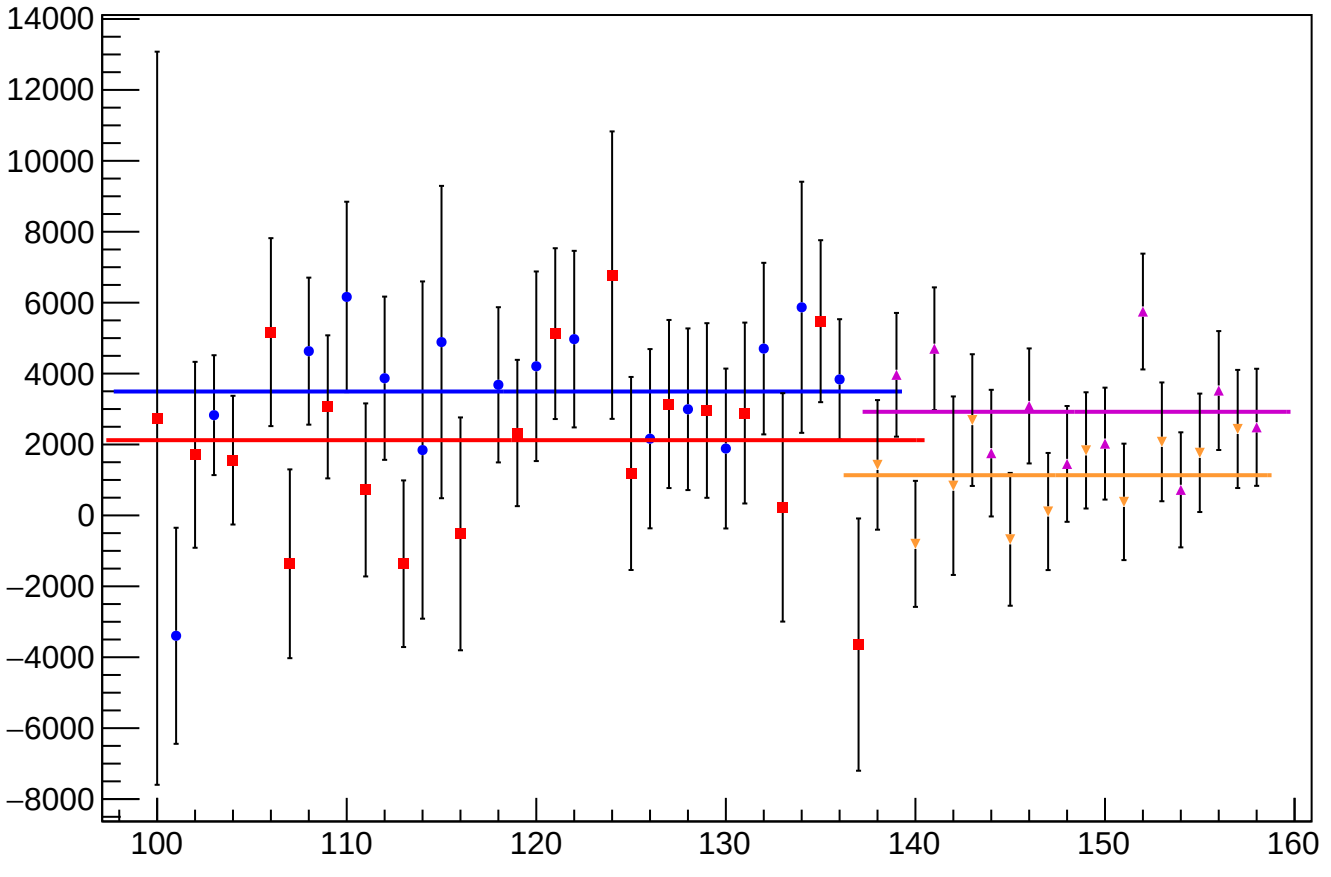
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:28.2/25

Out: -0.000+/-0.000 χ^2/NDF:28.9/29

All: -0.000+/-0.000 χ^2/NDF: 57.1/55


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1114604.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:1796596.4/9
Left: 0.000+/-0.000 χ²/NDF: 3020747.7/20
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:6022158.2/25
Out: 0.000+/-0.000 χ²/NDF:6235902.5/29
All: 0.000+/-0.000 χ²/NDF: 12316062.0/55



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1133.892+/-531.975 χ^2/NDF:4.7/10

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2921.948+/-526.364 χ^2/NDF:8.0/9

Left: 2037.400+/-374.164 χ^2/NDF: 18.4/20

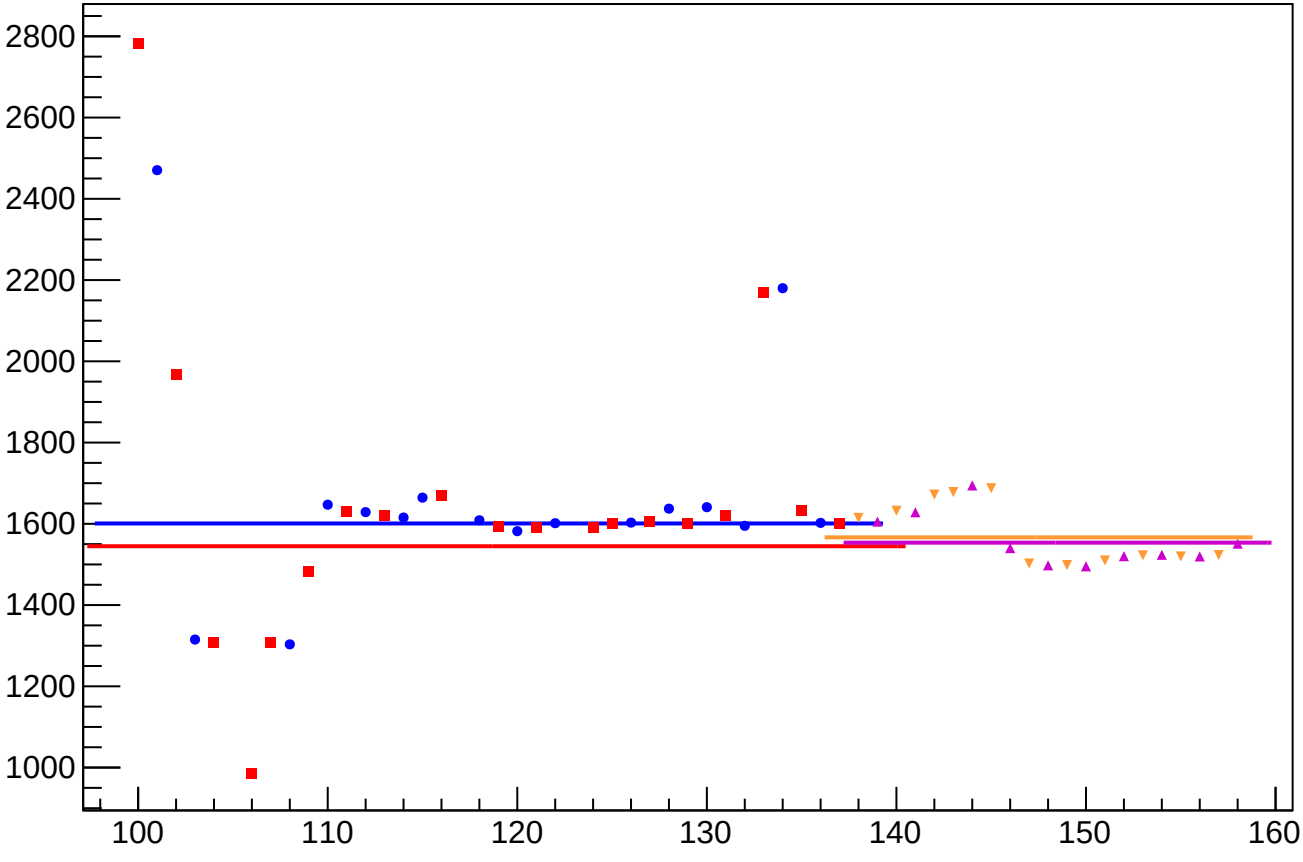
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3170.345+/-396.022 χ^2/NDF:17.3/25

Out: 1578.833+/-394.371 χ^2/NDF:21.3/29

All: 2371.264+/-279.444 χ^2/NDF: 46.8/55

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1566.650+/-0.376 χ^2/NDF:36366.7/10

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

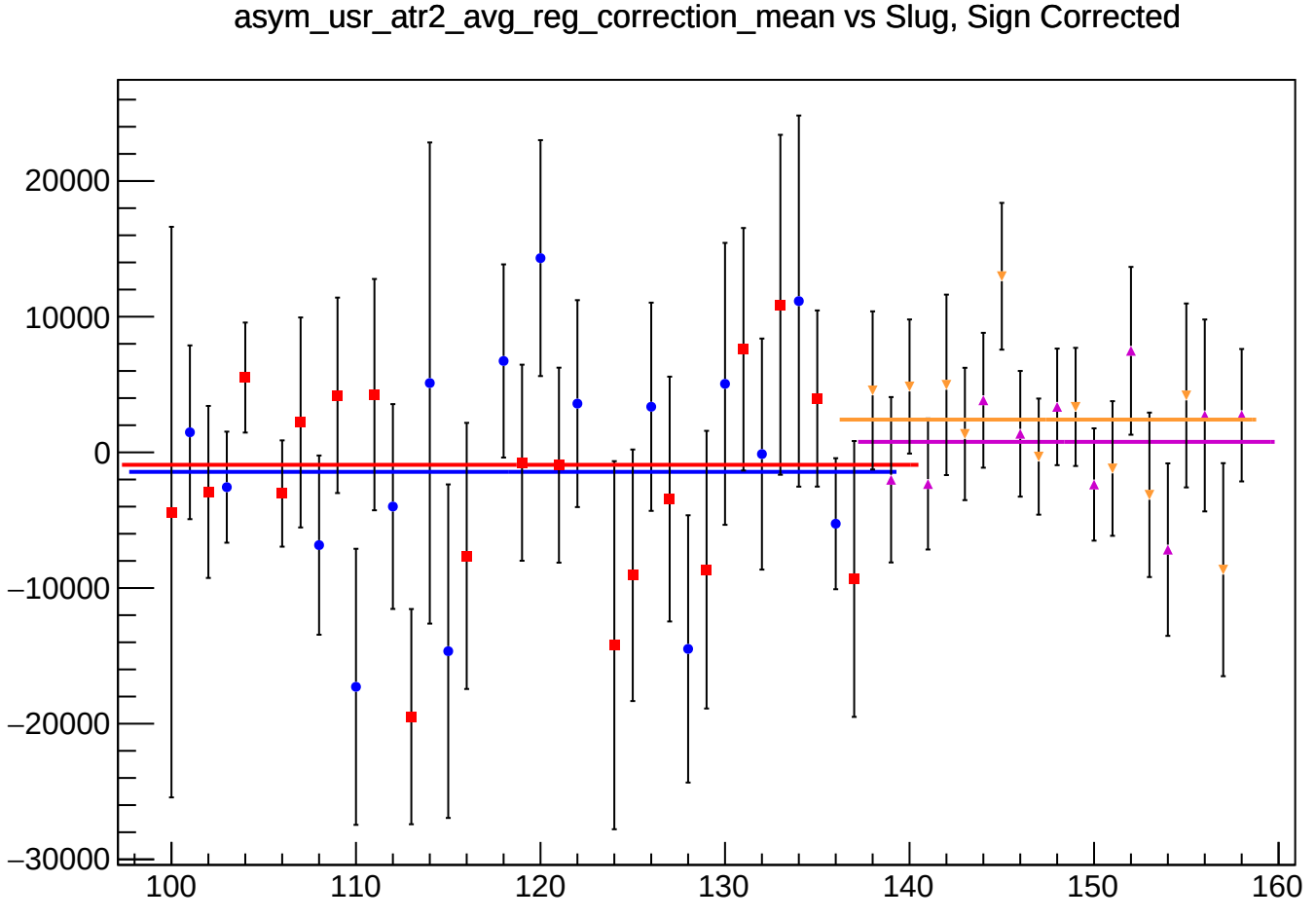
Left: 1560.061+/-0.265 χ^2/NDF: 62453.0/20

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1574.122+/-0.280 χ^2/NDF:349892.1/25

Out: 1556.630+/-0.277 χ^2/NDF:414040.8/29

All: 1565.273+/-0.197 χ^2/NDF: 765906.8/55



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 2414.717+/-1617.171 χ^2/NDF:8.3/10

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 773.765+/-1617.409 χ^2/NDF:4.9/9

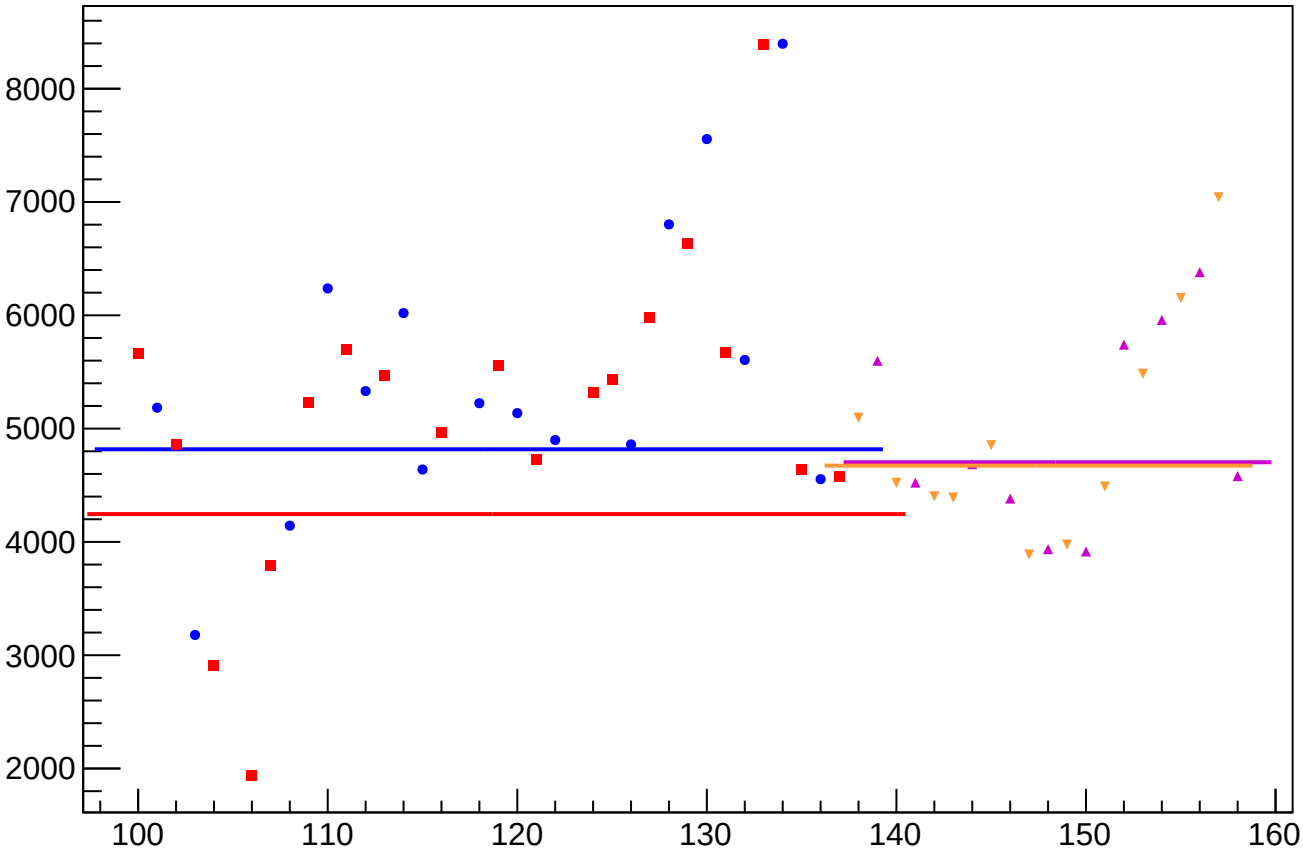
Left: 1594.361+/-1143.596 χ^2/NDF: 13.7/20

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -185.042+/-1217.173 χ^2/NDF:19.6/25

Out: 800.951+/-1161.497 χ^2/NDF:25.7/29

All: 331.020+/-840.296 χ^2/NDF: 45.6/55



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4673.303+/-1.144 χ^2/NDF:458979.1/10

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4703.147+/-1.144 χ^2/NDF:439816.9/9

Left: 4688.223+/-0.809 χ^2/NDF: 899136.5/20

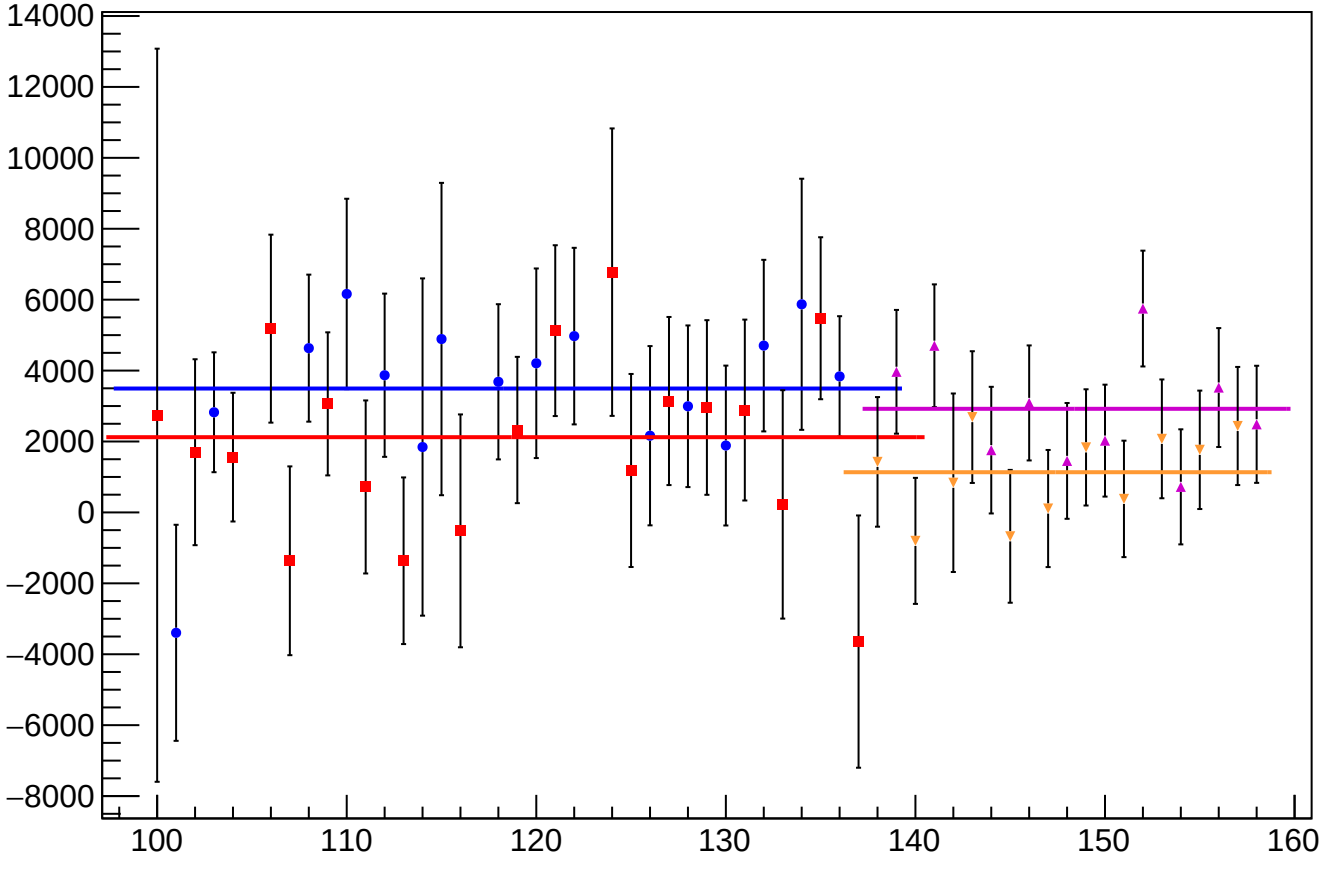
Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4752.671+/-0.861 χ^2/NDF:1239571.8/25

Out: 4466.199+/-0.821 χ^2/NDF:2209889.7/29

All: 4602.734+/-0.594 χ^2/NDF: 3507447.0/55

cor_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1133.753+/-531.975 χ^2/NDF:4.7/10

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2922.010+/-526.364 χ^2/NDF:8.0/9

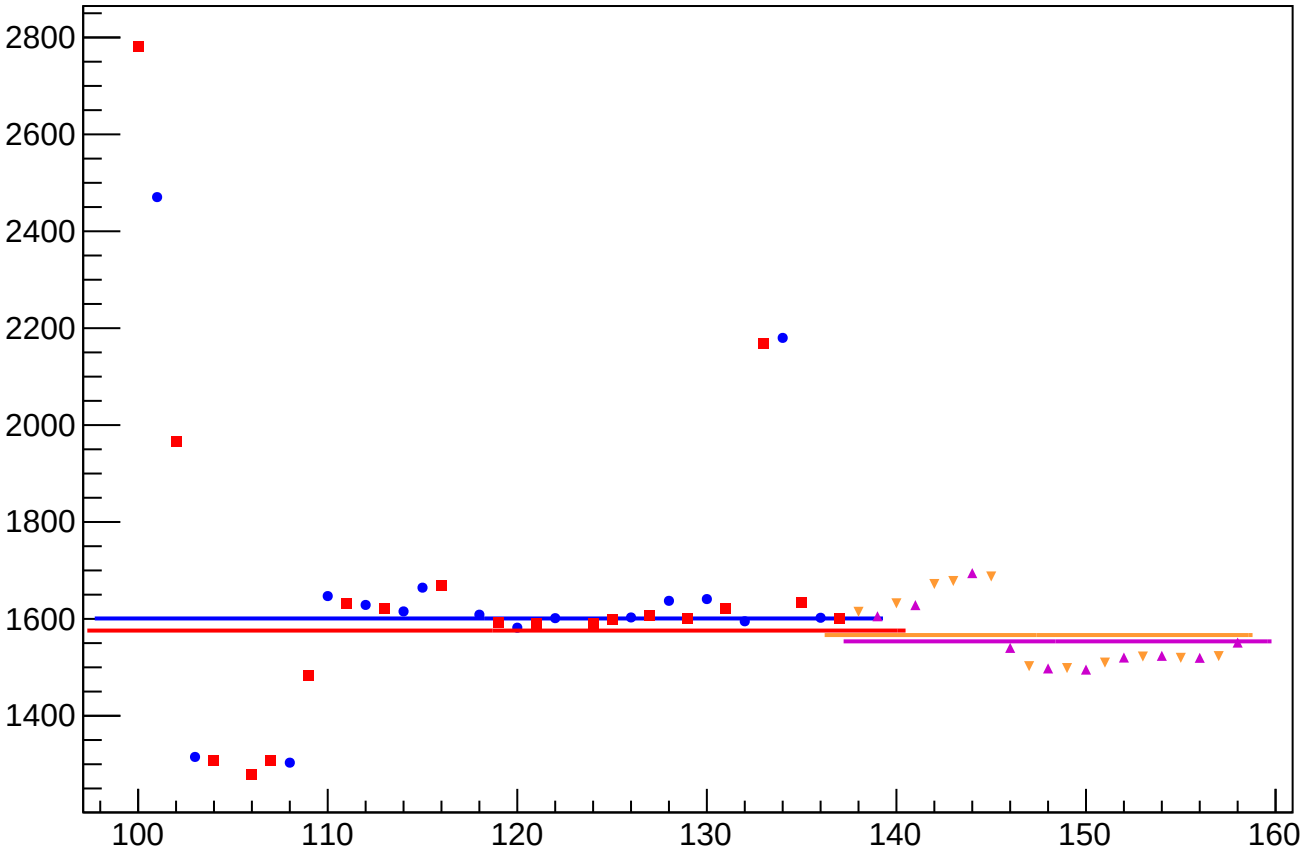
Left: 2037.363+/-374.164 χ^2/NDF: 18.4/20

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3170.236+/-396.022 χ^2/NDF:17.3/25

Out: 1578.750+/-394.372 χ^2/NDF:21.4/29

All: 2371.169+/-279.445 χ^2/NDF: 46.8/55



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1566.650+/-0.376 χ^2/NDF:36366.7/10

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

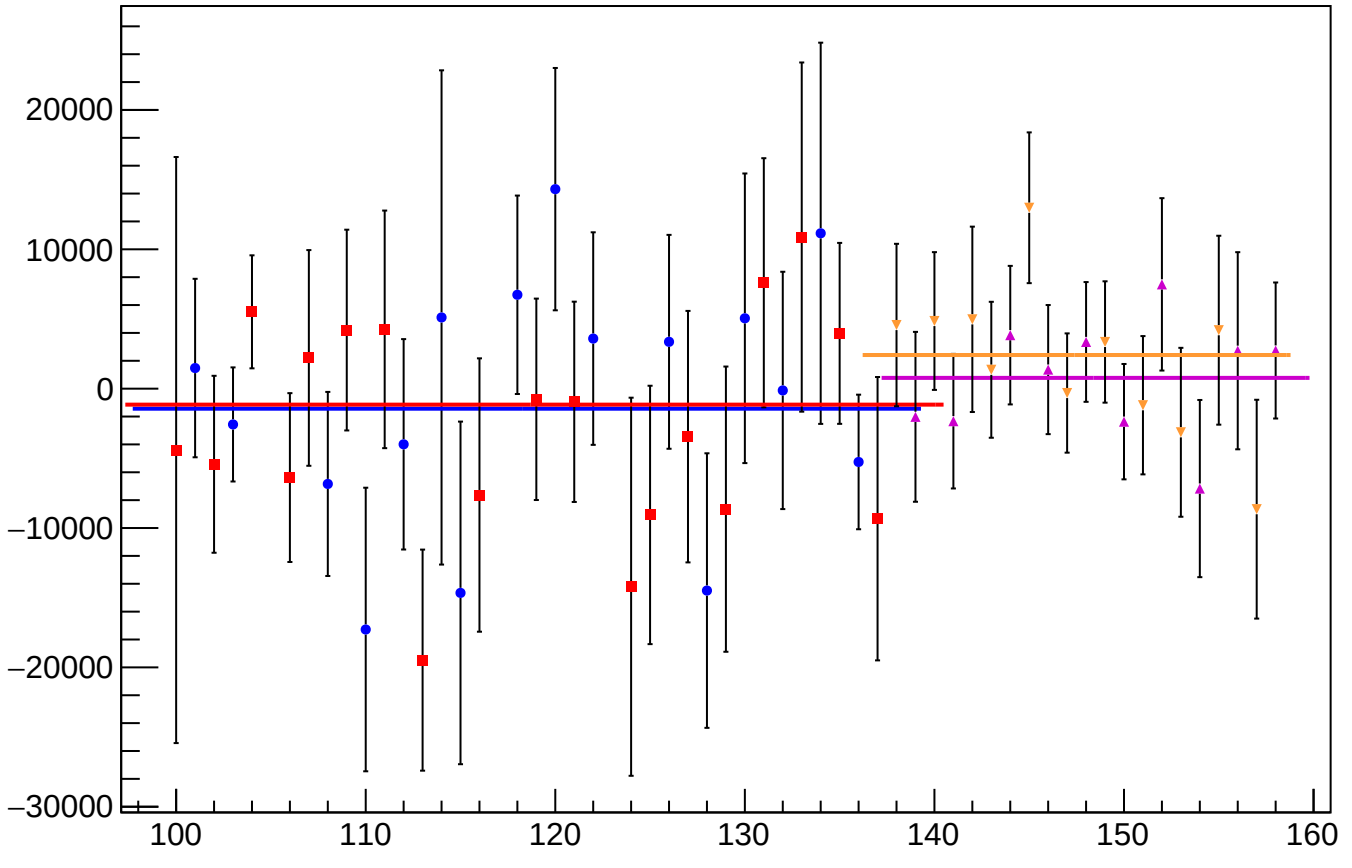
Left: 1560.061+/-0.265 χ^2/NDF: 62453.0/20

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1574.122+/-0.280 χ^2/NDF:349891.4/25

Out: 1570.835+/-0.278 χ^2/NDF:279972.2/29

All: 1572.469+/-0.197 χ^2/NDF: 629932.9/55



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2414.676+/-1617.167 χ^2/NDF:8.3/10

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 773.910+/-1617.409 χ^2/NDF:4.9/9

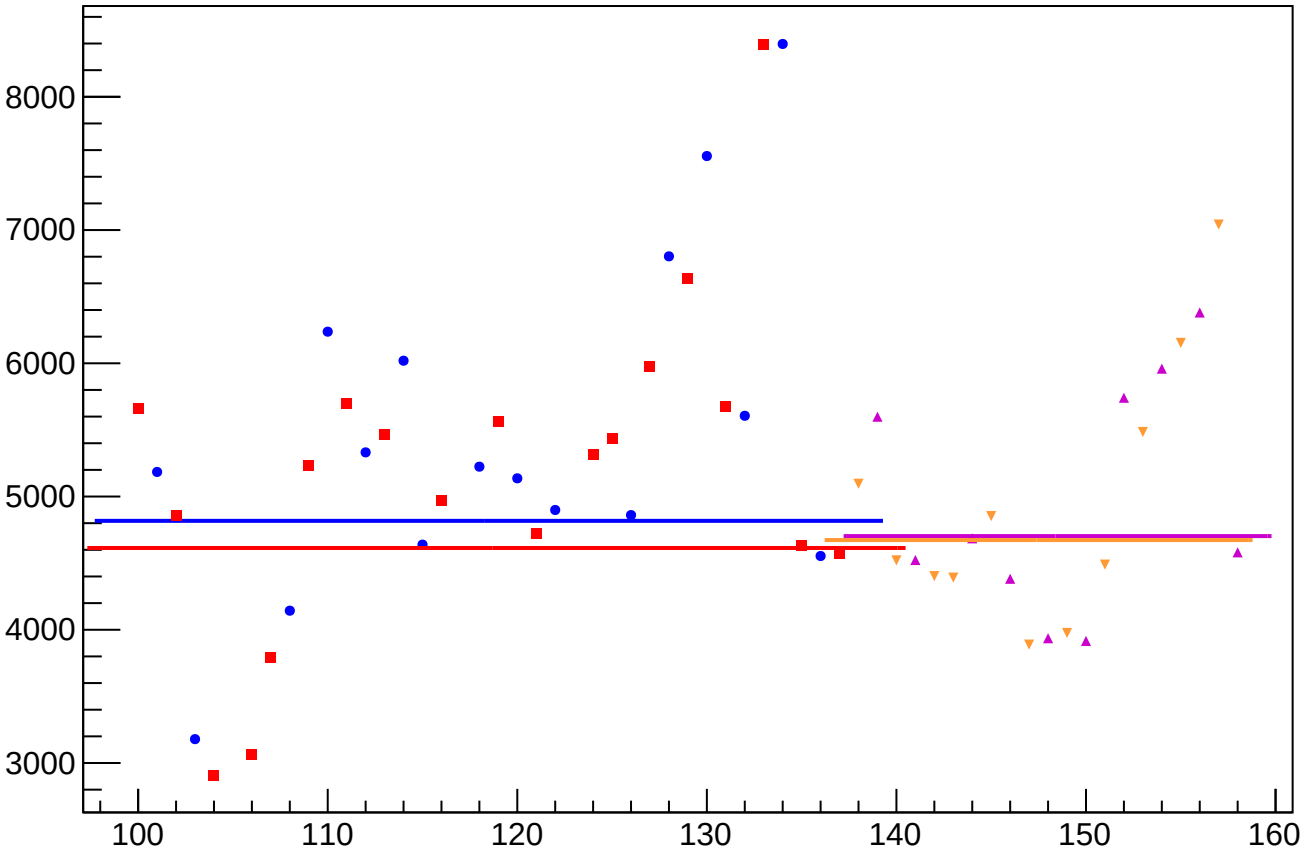
Left: 1594.415+/-1143.595 χ^2/NDF: 13.7/20

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -185.044+/-1217.183 χ^2/NDF:19.6/25

Out: 789.981+/-1192.472 χ^2/NDF:26.7/29

All: 312.467+/-851.807 χ^2/NDF: 46.7/55



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4673.292+/-1.144 χ^2/NDF:458986.1/10

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4703.147+/-1.144 χ^2/NDF:439817.4/9

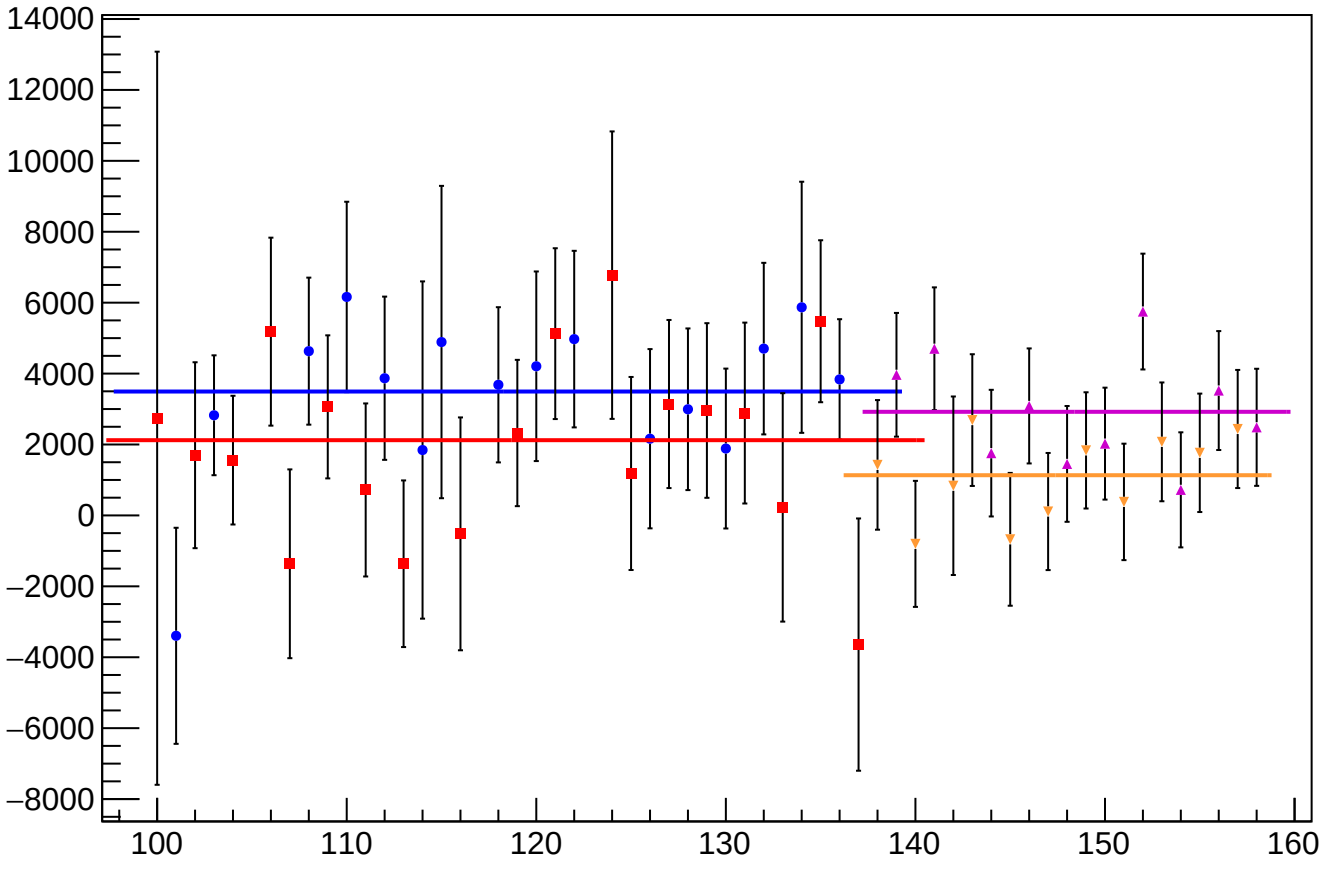
Left: 4688.217+/-0.809 χ^2/NDF: 899144.2/20

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4752.729+/-0.861 χ^2/NDF:1239384.7/25

Out: 4646.171+/-0.843 χ^2/NDF:1438177.1/29

All: 4698.357+/-0.602 χ^2/NDF: 2685383.1/55



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1133.753+/-531.975 χ^2/NDF:4.7/10

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2922.010+/-526.364 χ^2/NDF:8.0/9

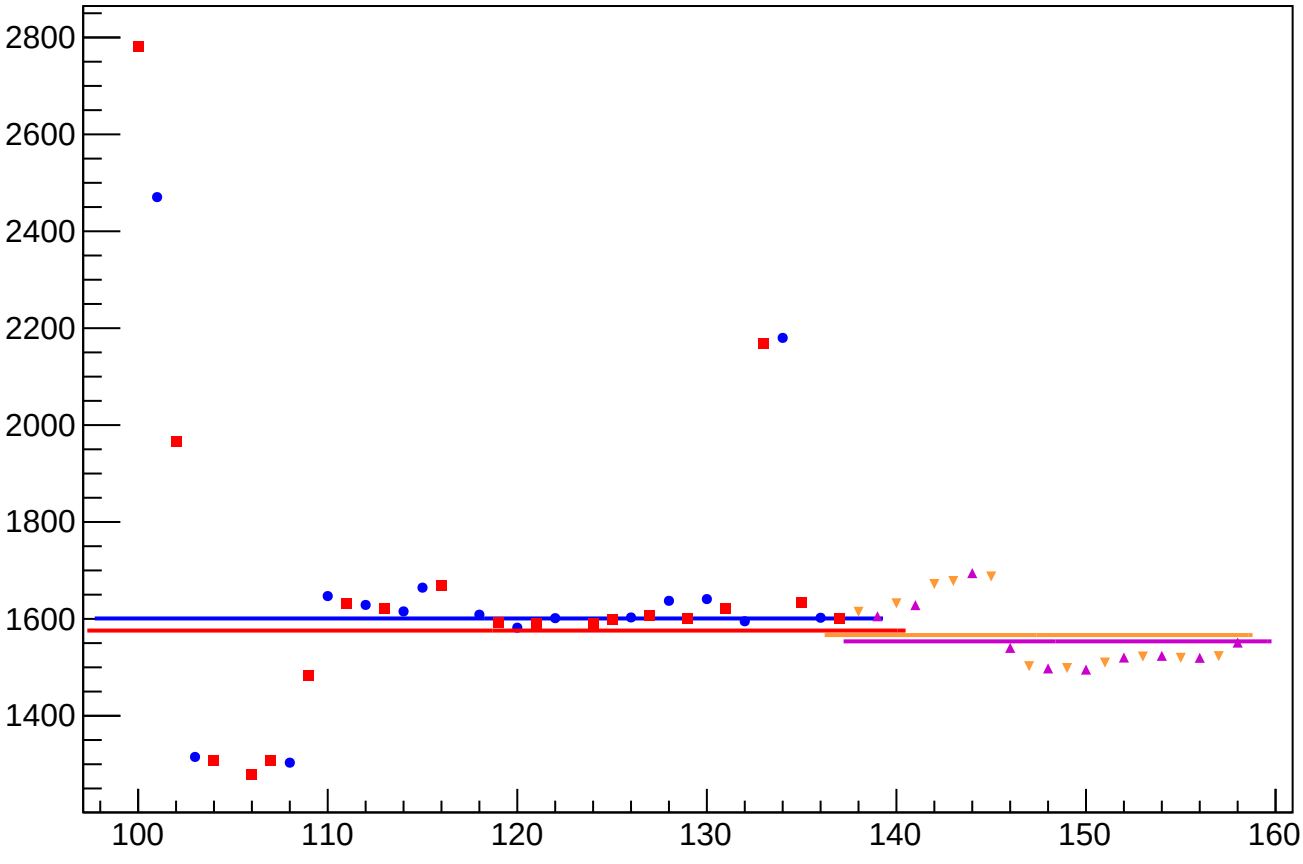
Left: 2037.363+/-374.164 χ^2/NDF: 18.4/20

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3170.236+/-396.022 χ^2/NDF:17.3/25

Out: 1578.750+/-394.372 χ^2/NDF:21.4/29

All: 2371.169+/-279.445 χ^2/NDF: 46.8/55



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1566.650+/-0.376 χ^2/NDF:36366.7/10

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

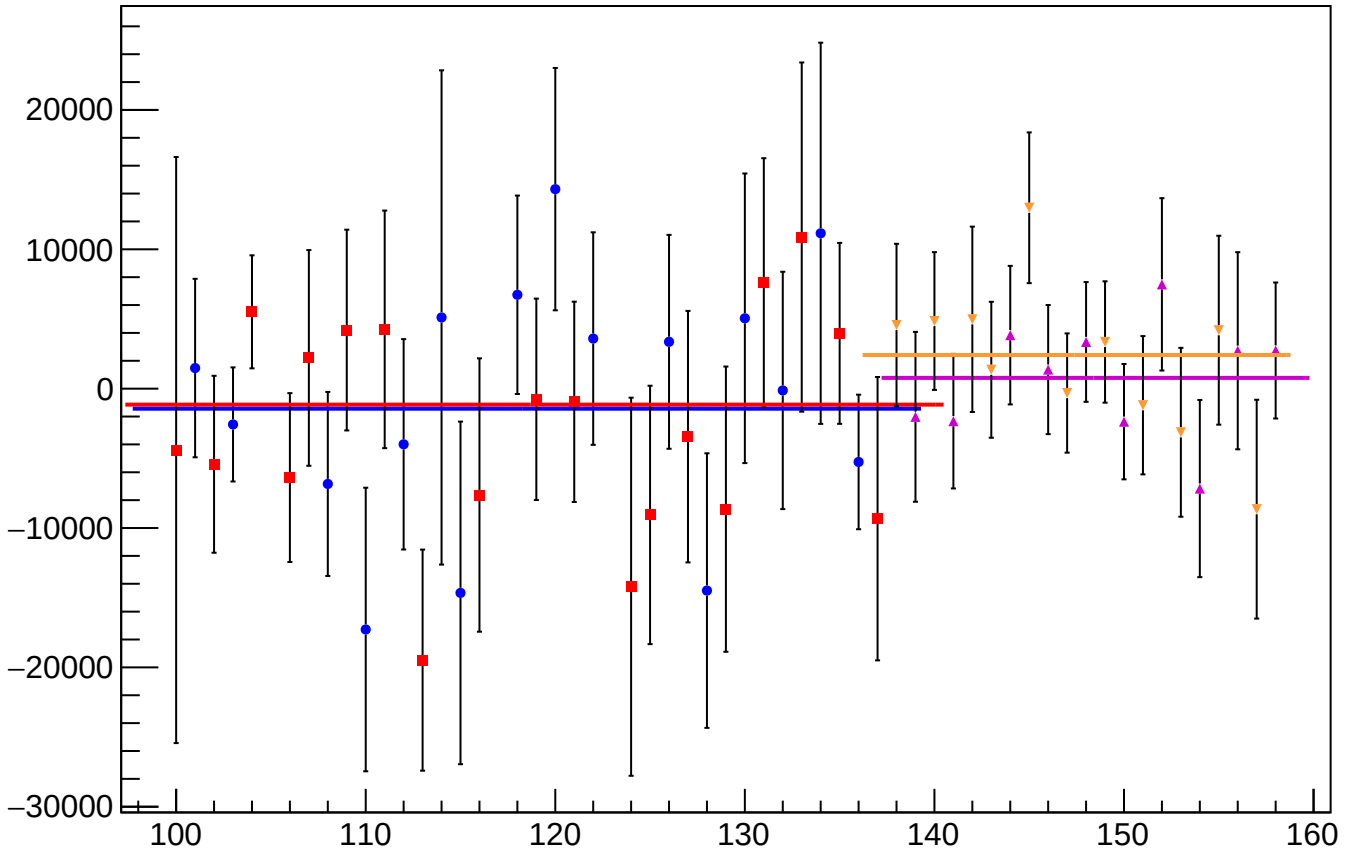
Left: 1560.061+/-0.265 χ^2/NDF: 62453.0/20

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1574.122+/-0.280 χ^2/NDF:349891.4/25

Out: 1570.835+/-0.278 χ^2/NDF:279972.2/29

All: 1572.469+/-0.197 χ^2/NDF: 629932.9/55



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2414.676+/-1617.167 χ^2/NDF:8.3/10

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 773.910+/-1617.409 χ^2/NDF:4.9/9

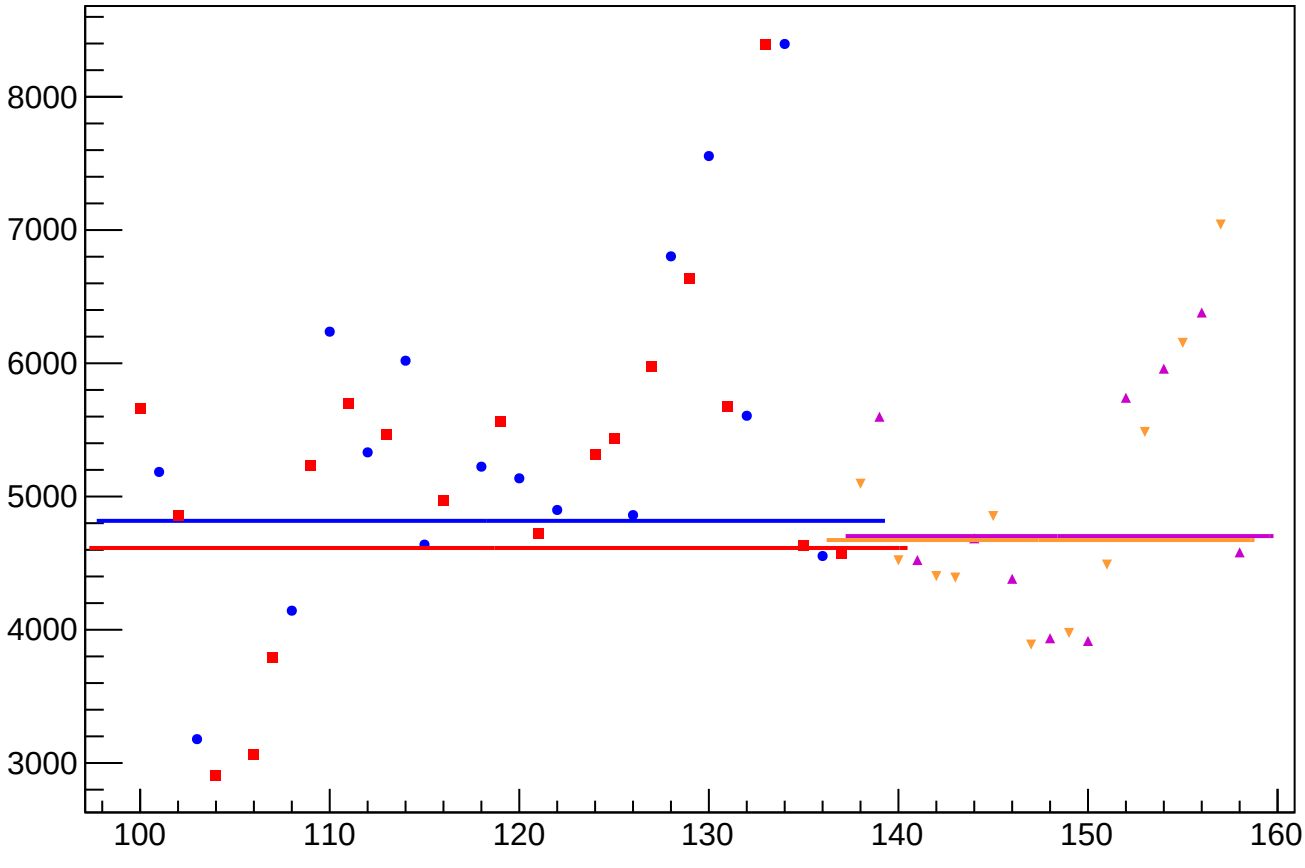
Left: 1594.415+/-1143.595 χ^2/NDF: 13.7/20

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -185.044+/-1217.183 χ^2/NDF:19.6/25

Out: 789.981+/-1192.472 χ^2/NDF:26.7/29

All: 312.467+/-851.807 χ^2/NDF: 46.7/55



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4673.292+/-1.144 χ^2/NDF:458986.1/10

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4703.147+/-1.144 χ^2/NDF:439817.4/9

Left: 4688.217+/-0.809 χ^2/NDF: 899144.2/20

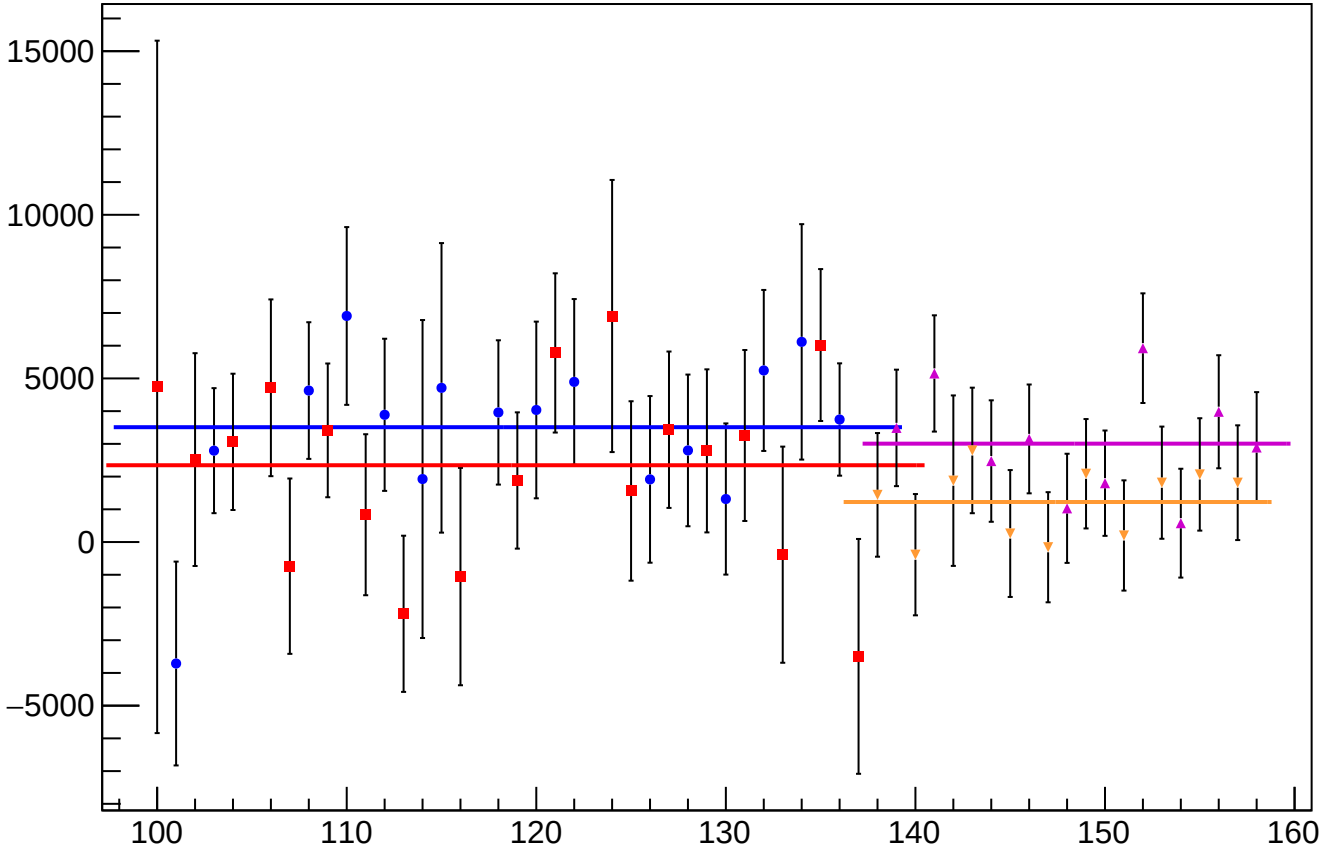
Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4752.729+/-0.861 χ^2/NDF:1239384.7/25

Out: 4646.171+/-0.843 χ^2/NDF:1438177.1/29

All: 4698.357+/-0.602 χ^2/NDF: 2685383.1/55

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1223.384+/-548.438 χ^2/NDF:3.5/10

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3006.357+/-539.746 χ^2/NDF:9.1/9

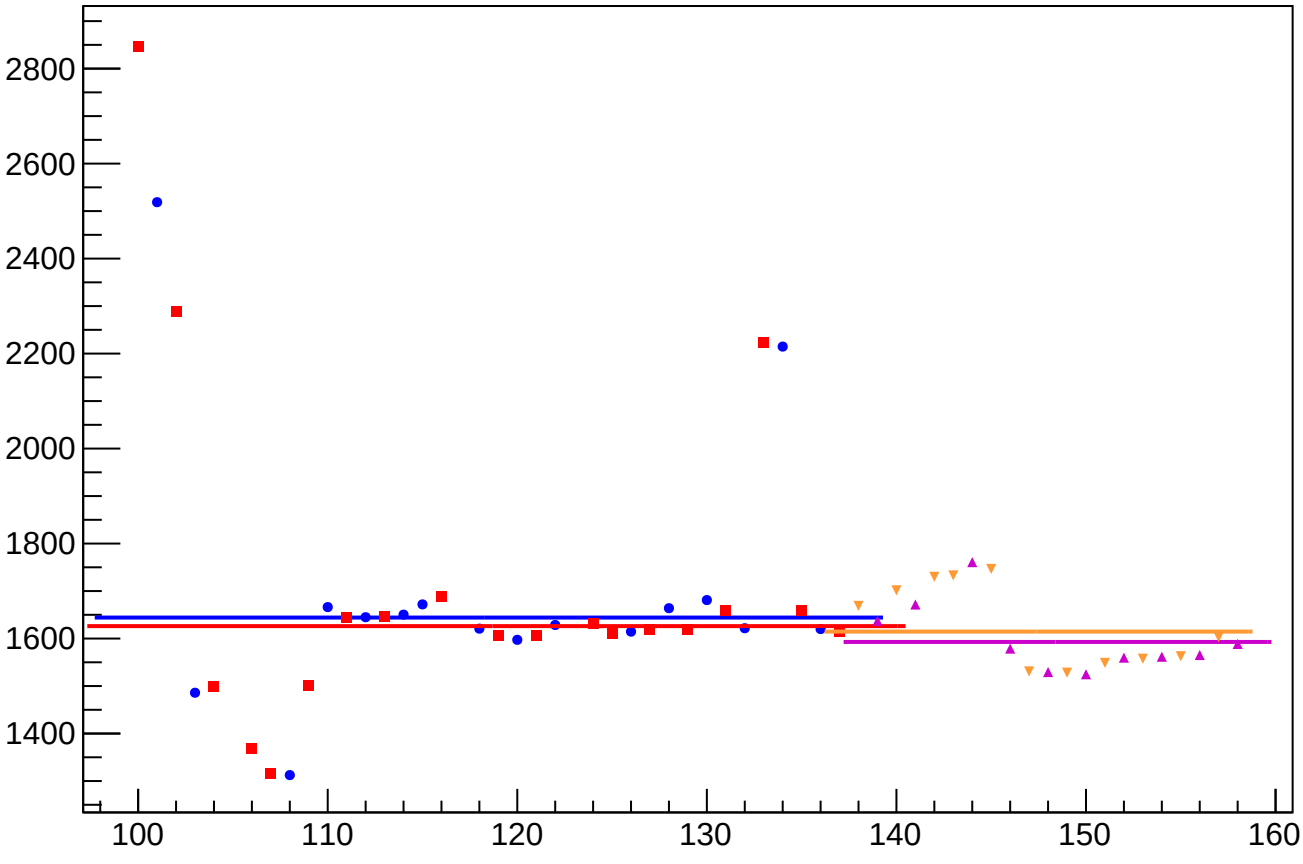
Left: 2129.111+/-384.695 χ^2/NDF: 18.0/20

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3224.588+/-406.164 χ^2/NDF:19.8/25

Out: 1727.866+/-407.089 χ^2/NDF:22.5/29

All: 2477.929+/-287.528 χ^2/NDF: 49.1/55



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1614.661+/-0.388 χ^2/NDF:44347.8/10

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1592.837+/-0.382 χ^2/NDF:30181.0/9

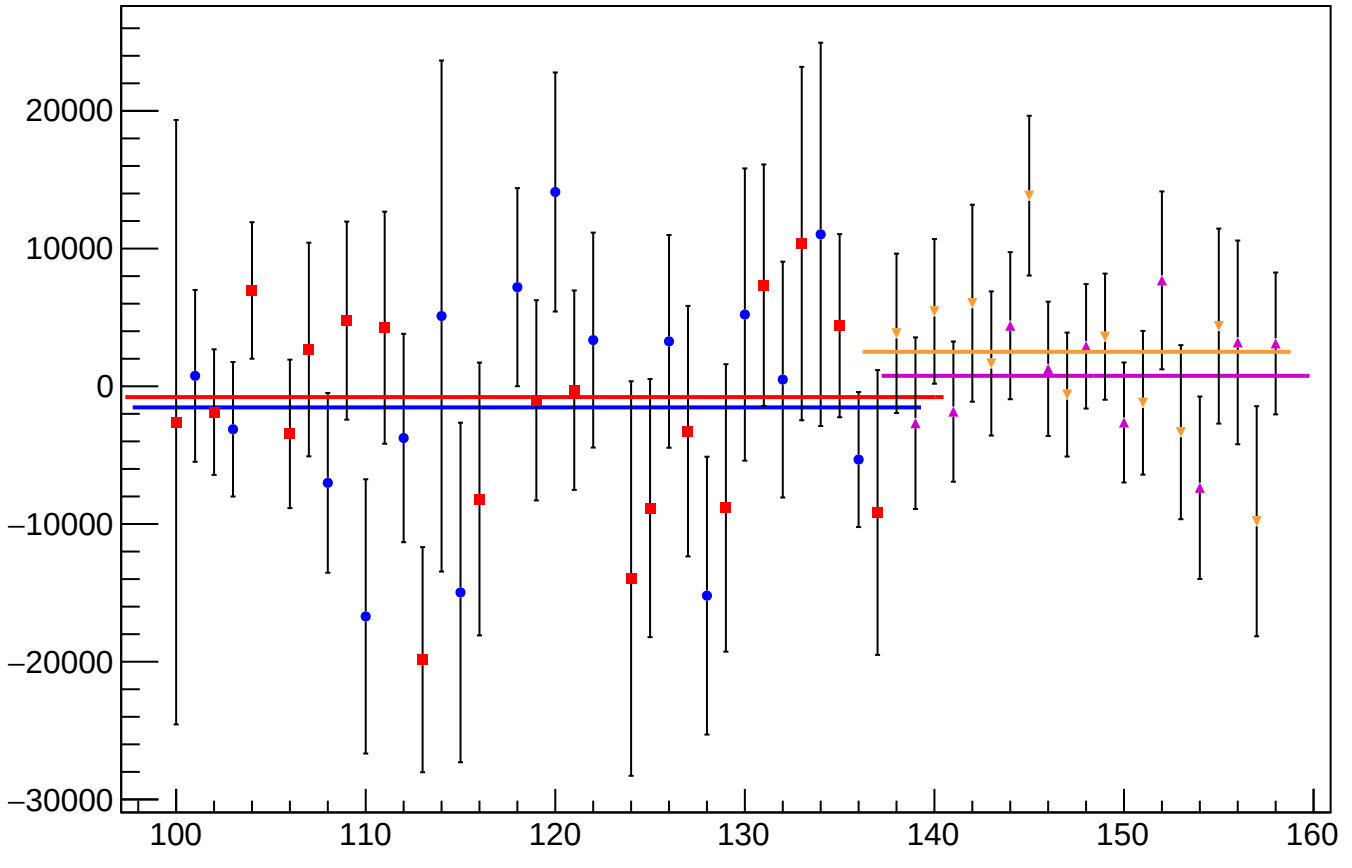
Left: 1603.575+/-0.272 χ^2/NDF: 76137.6/20

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1615.114+/-0.287 χ^2/NDF:312853.7/25

Out: 1619.836+/-0.288 χ^2/NDF:282383.2/29

All: 1617.471+/-0.203 χ^2/NDF: 595371.8/55



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 2503.907+/-1702.689 χ^2/NDF:8.6/10

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 761.856+/-1700.441 χ^2/NDF:4.8/9

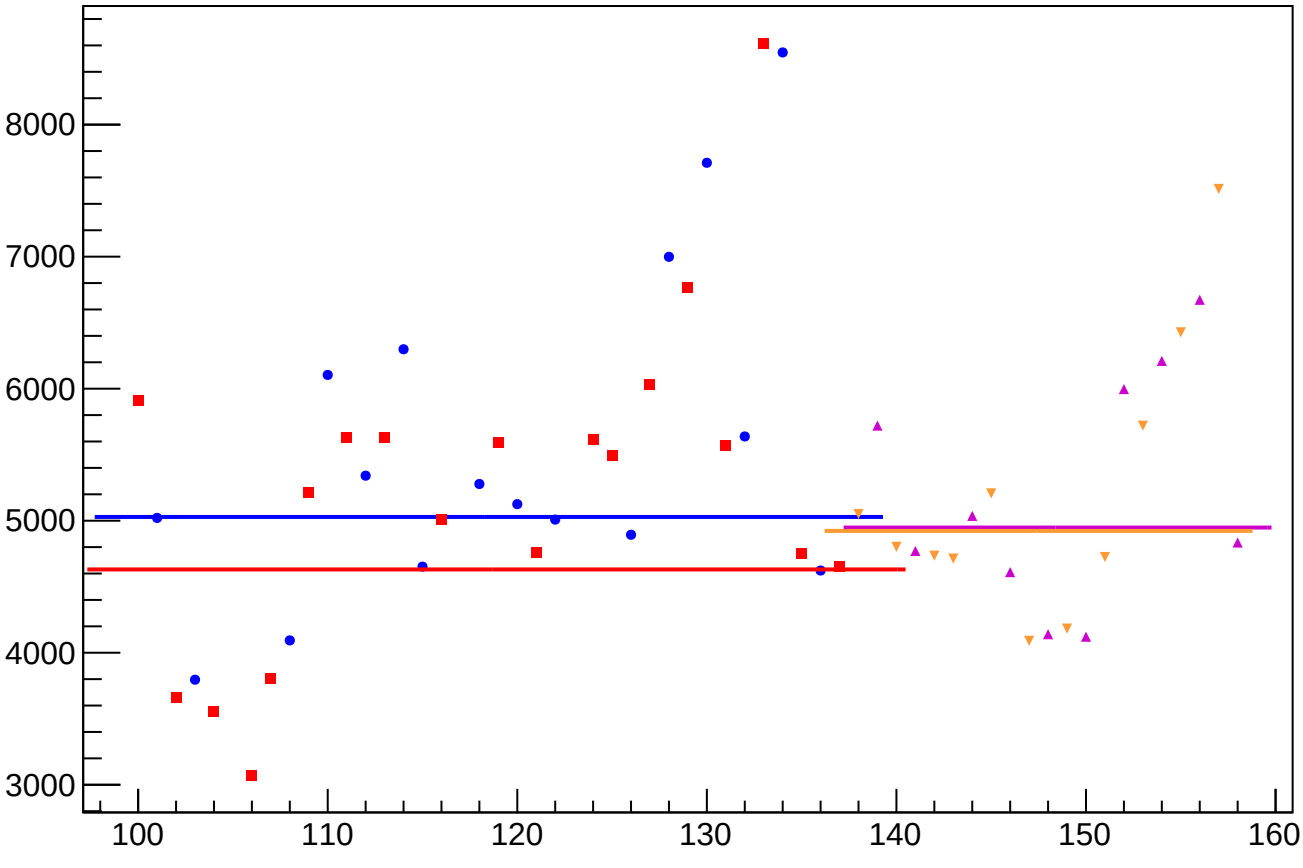
Left: 1631.731+/-1203.188 χ^2/NDF: 14.0/20

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -250.179+/-1271.161 χ^2/NDF:19.5/25

Out: 903.536+/-1219.880 χ^2/NDF:25.4/29

All: 350.419+/-880.156 χ^2/NDF: 45.4/55



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4922.905+/-1.204 χ^2/NDF:449225.3/10

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 4948.215+/-1.202 χ^2/NDF:414335.0/9

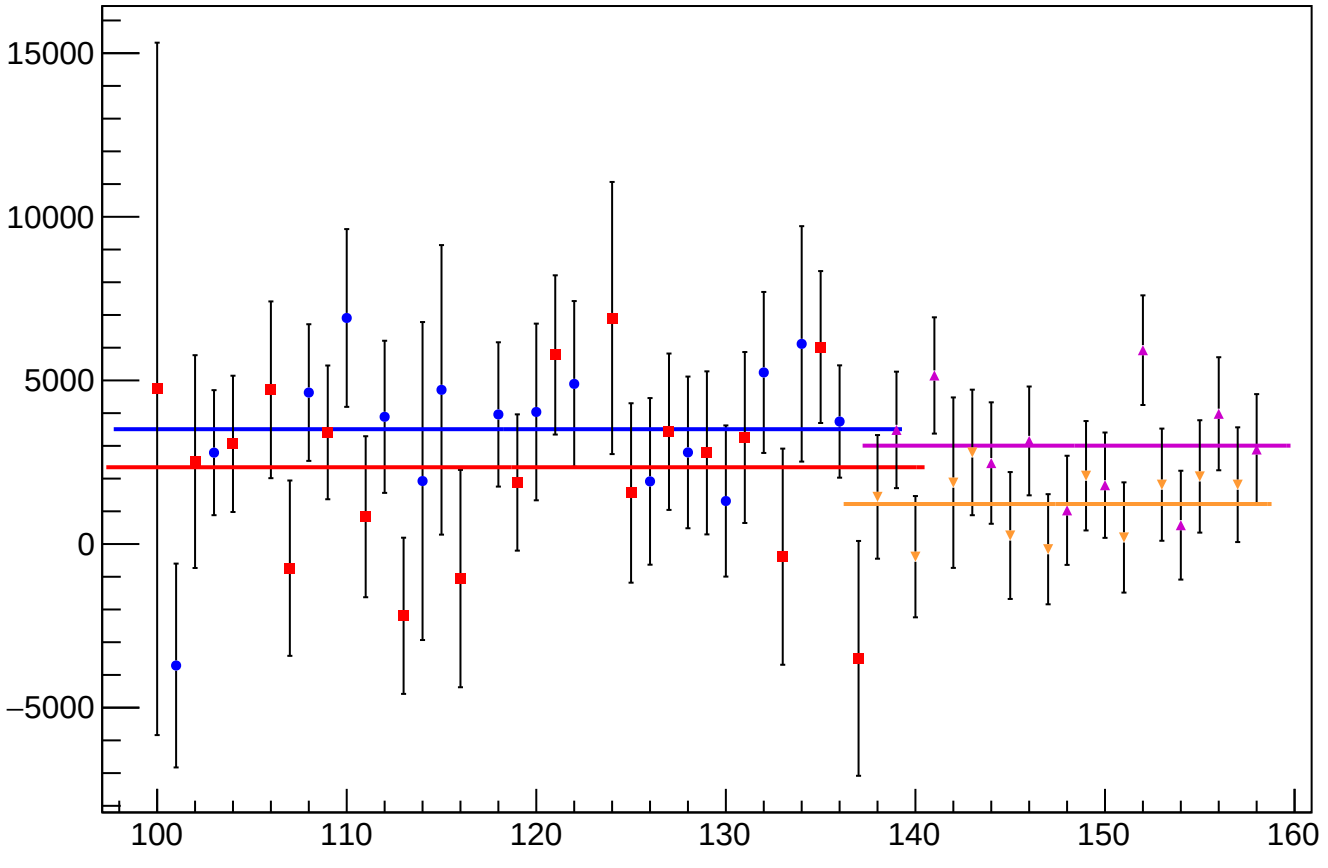
Left: 4935.577+/-0.851 χ^2/NDF: 863781.6/20

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 4983.612+/-0.899 χ^2/NDF:981768.8/25

Out: 4780.784+/-0.863 χ^2/NDF:1341369.3/29

All: 4878.024+/-0.622 χ^2/NDF: 2349645.9/55



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1223.378+/-548.438 χ^2/NDF:3.5/10

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3006.356+/-539.747 χ^2/NDF:9.1/9

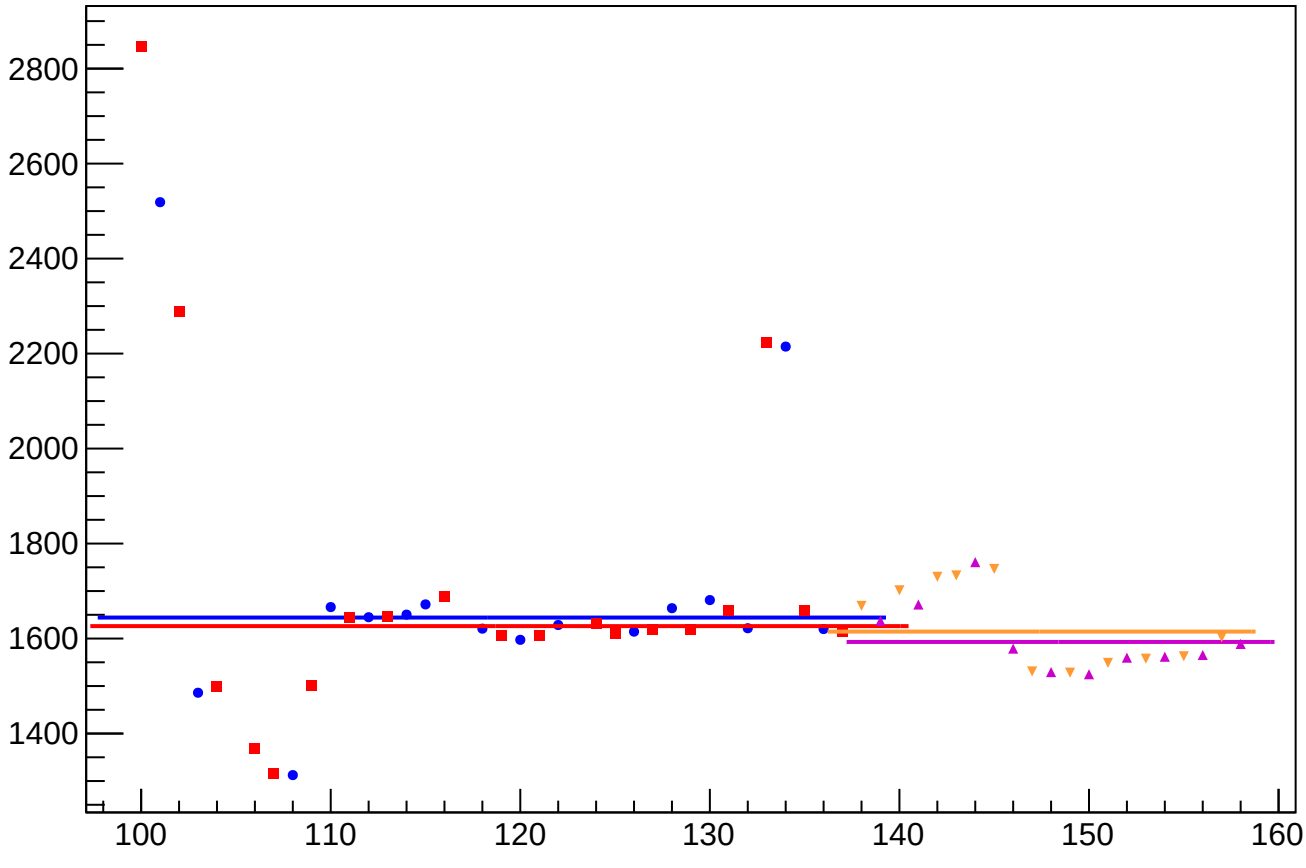
Left: 2129.107+/-384.695 χ^2/NDF: 18.0/20

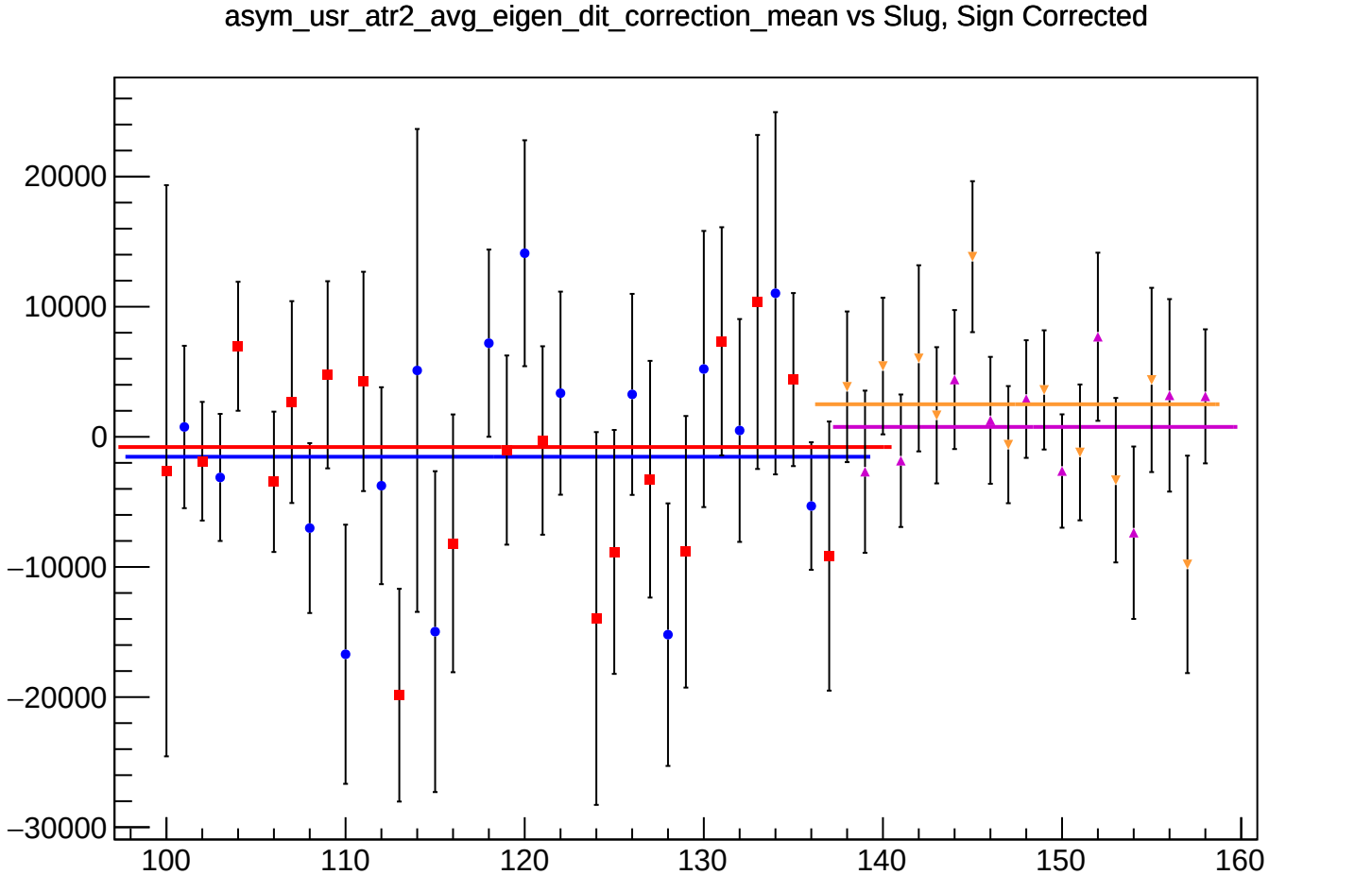
Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3224.589+/-406.164 χ^2/NDF:19.8/25

Out: 1727.866+/-407.089 χ^2/NDF:22.5/29

All: 2477.929+/-287.528 χ^2/NDF: 49.1/55


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1614.662+/-0.388 χ²/NDF:44348.0/10
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1592.838+/-0.382 χ²/NDF:30181.0/9
Left: 1603.576+/-0.272 χ²/NDF: 76137.7/20
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1615.114+/-0.287 χ²/NDF:312853.4/25
Out: 1619.836+/-0.288 χ²/NDF:282382.9/29
All: 1617.471+/-0.203 χ²/NDF: 595371.2/55



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 2503.903+/-1702.692 χ^2/NDF:8.6/10

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 761.855+/-1700.444 χ^2/NDF:4.8/9

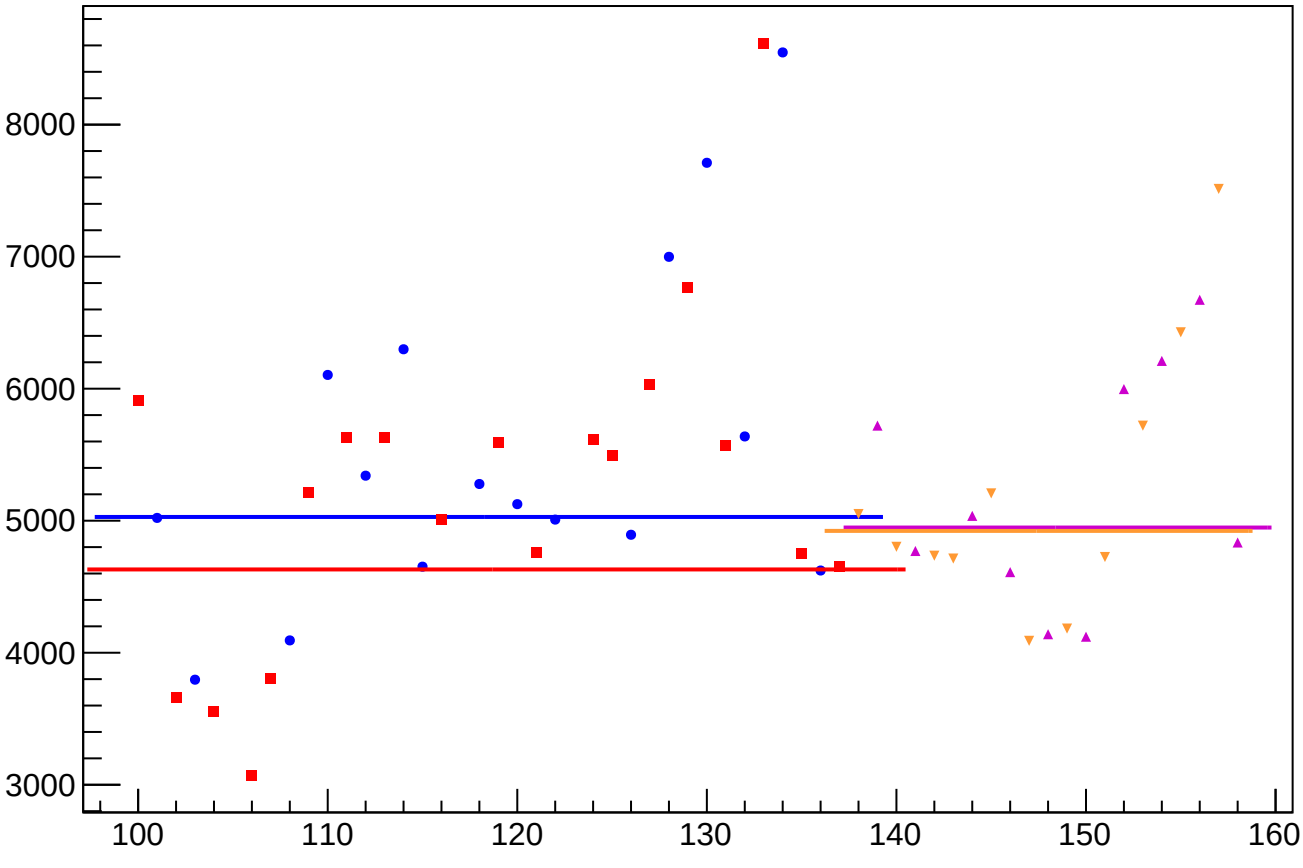
Left: 1631.728+/-1203.189 χ^2/NDF: 14.0/20

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -250.176+/-1271.161 χ^2/NDF:19.5/25

Out: 903.529+/-1219.880 χ^2/NDF:25.4/29

All: 350.417+/-880.156 χ^2/NDF: 45.4/55



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4922.912+/-1.204 χ^2/NDF:449224.6/10

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 4948.223+/-1.202 χ^2/NDF:414333.7/9

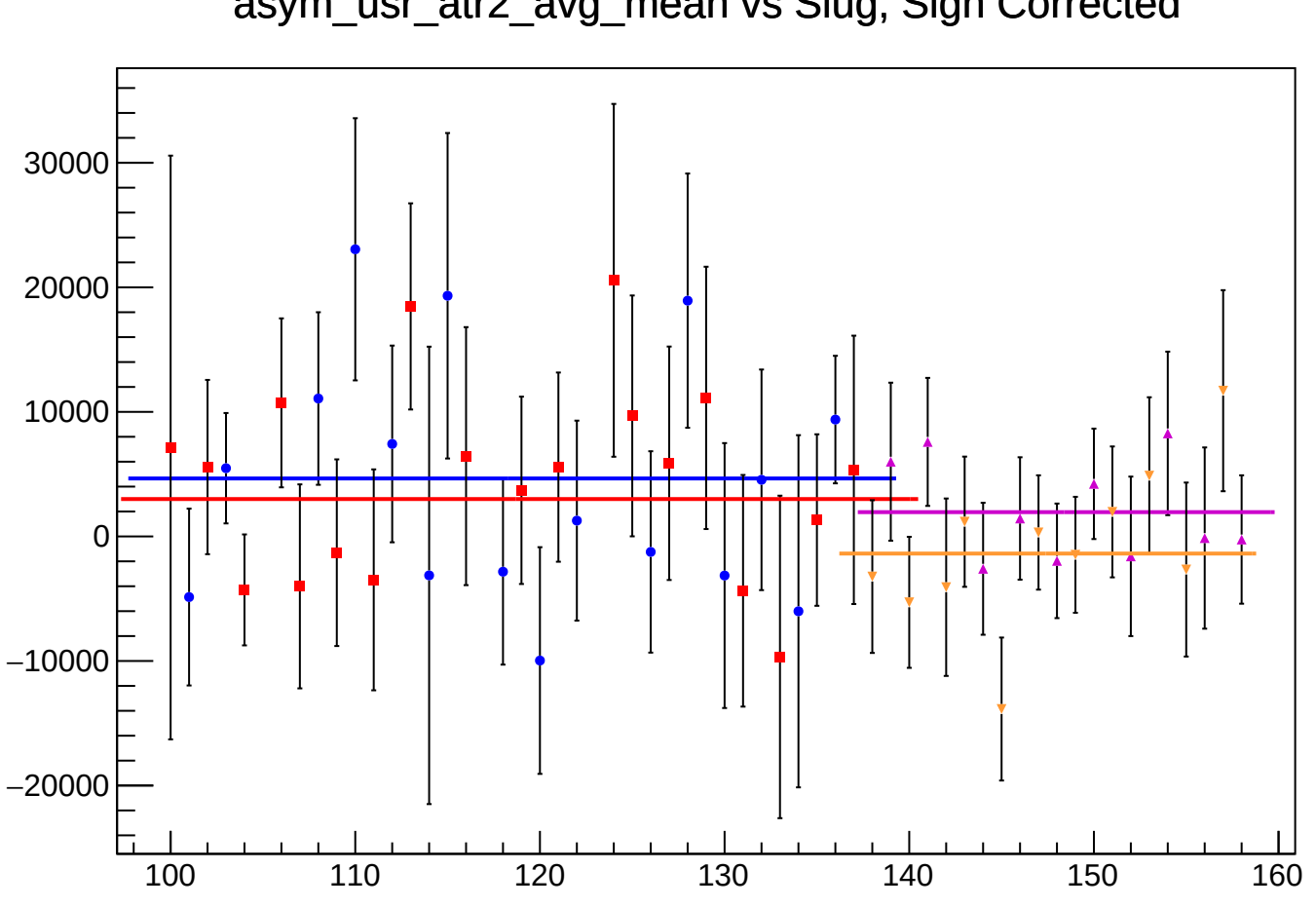
Left: 4935.584+/-0.851 χ^2/NDF: 863779.6/20

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 4983.614+/-0.899 χ^2/NDF:981760.6/25

Out: 4780.784+/-0.863 χ^2/NDF:1341365.4/29

All: 4878.025+/-0.622 χ^2/NDF: 2349634.0/55



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -1375.646+/-1714.083 χ^2/NDF:9.9/10

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1950.301+/-1709.697 χ^2/NDF:4.8/9

Left: 291.588+/-1210.486 χ^2/NDF: 16.7/20

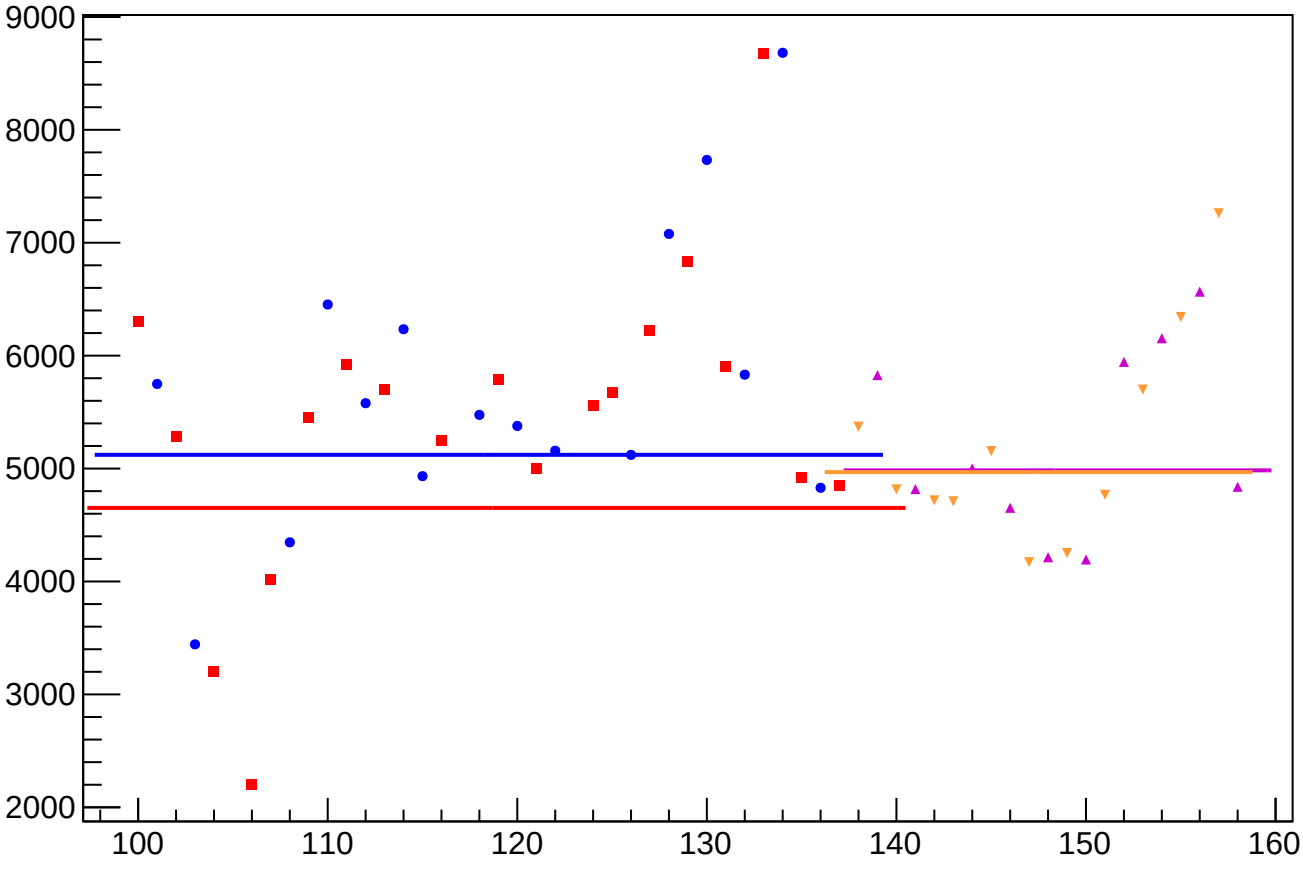
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3119.236+/-1287.977 χ^2/NDF:21.5/25

Out: 607.802+/-1267.505 χ^2/NDF:26.8/29

All: 1843.401+/-903.412 χ^2/NDF: 50.1/55

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4968.541+/-1.212 χ^2/NDF:396231.4/10

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 4984.262+/-1.209 χ^2/NDF:370852.8/9

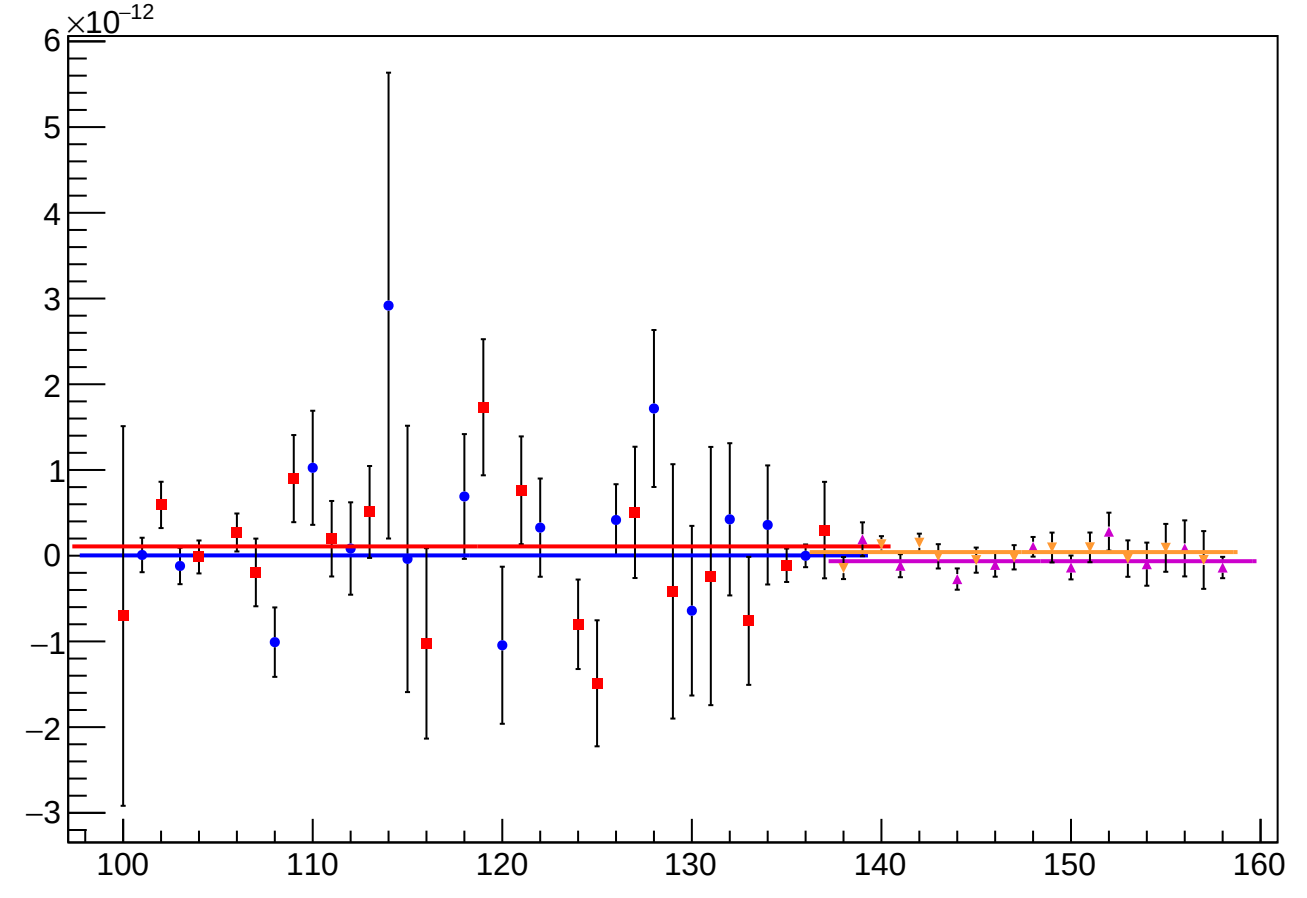
Left: 4976.422+/-0.856 χ^2/NDF: 767168.5/20

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5043.678+/-0.911 χ^2/NDF:1096807.8/25

Out: 4818.811+/-0.880 χ^2/NDF:1773390.2/29

All: 4927.411+/-0.633 χ^2/NDF: 2901718.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/9

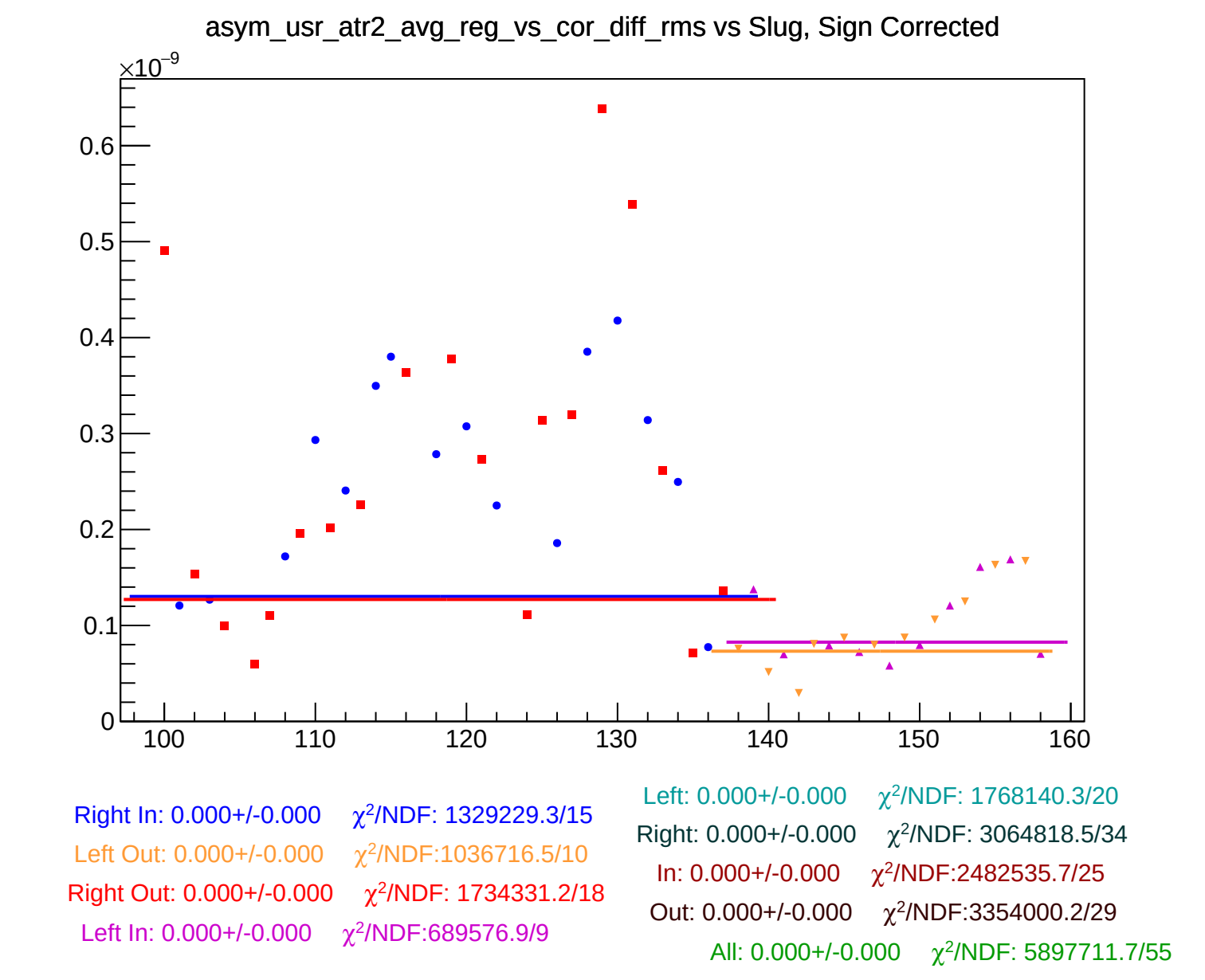
Left: -0.000+/-0.000 χ^2/NDF: 18.0/20

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

In: -0.000+/-0.000 χ^2/NDF:28.7/25

Out: 0.000+/-0.000 χ^2/NDF:30.8/29

All: 0.000+/-0.000 χ^2/NDF: 62.7/55


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
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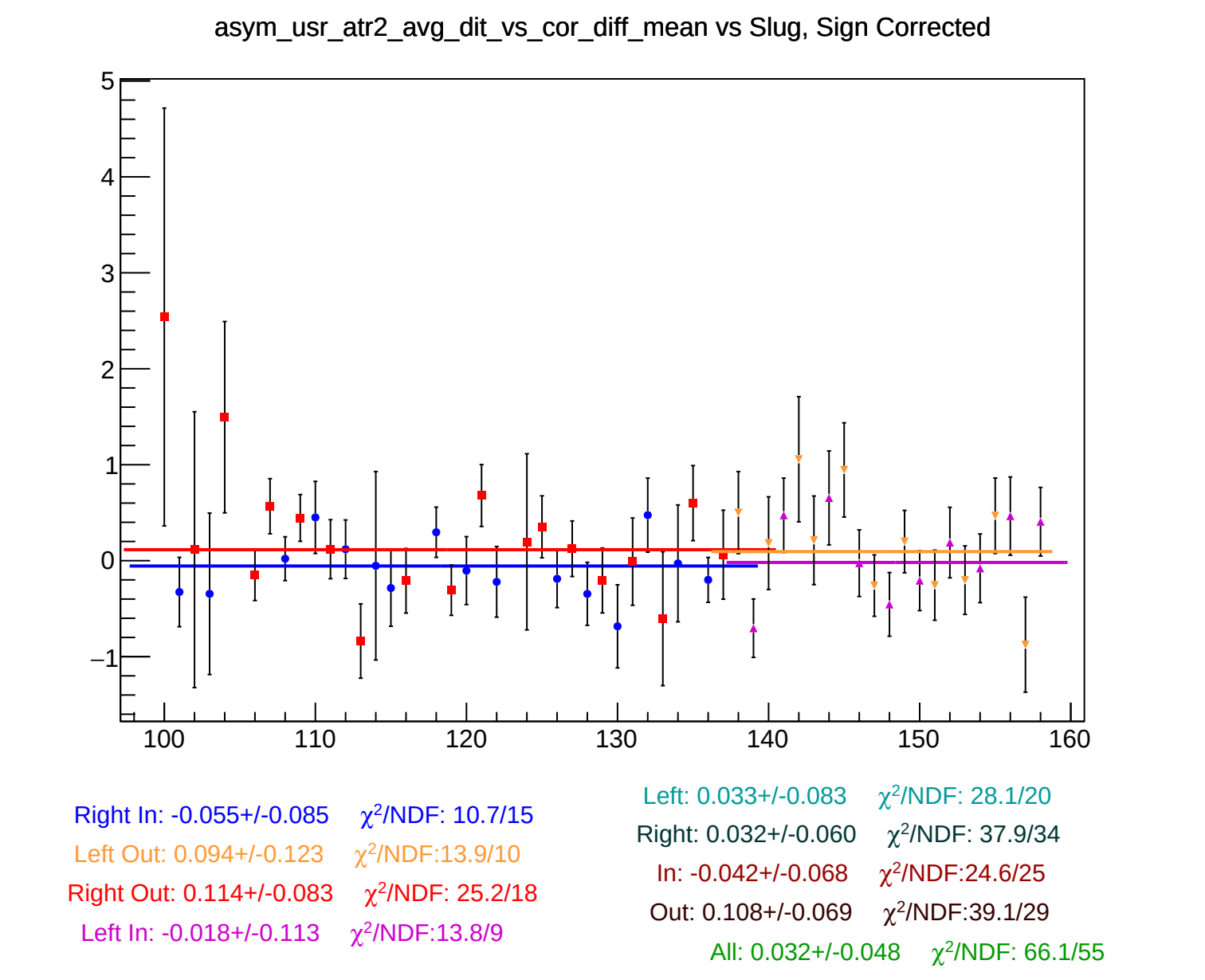
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1036716.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:689576.9/9
Left: 0.000+/-0.000 χ²/NDF: 1768140.3/20
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2482535.7/25
Out: 0.000+/-0.000 χ²/NDF:3354000.2/29
All: 0.000+/-0.000 χ²/NDF: 5897711.7/55


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
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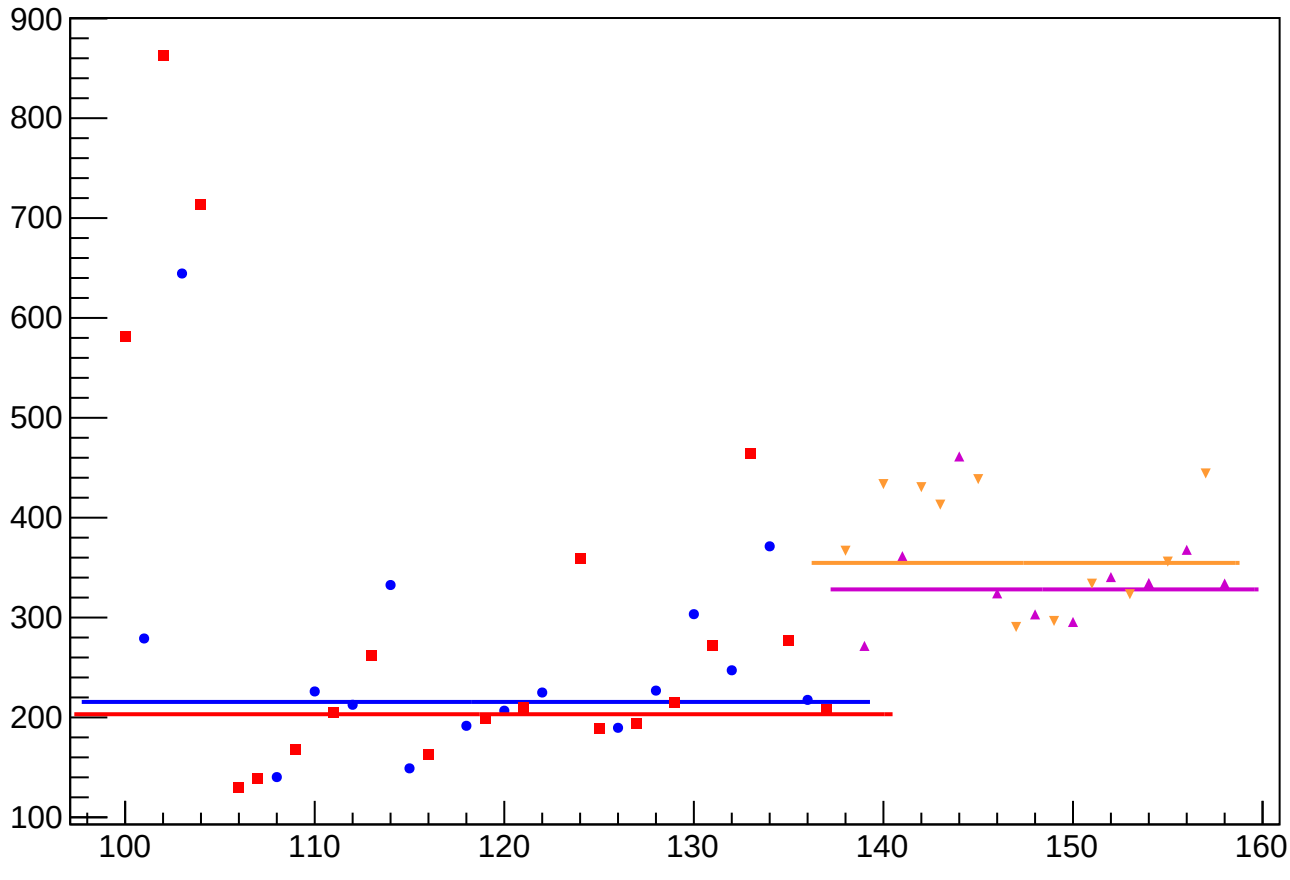
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.094+/-0.123 χ²/NDF:13.9/10
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.018+/-0.113 χ²/NDF:13.8/9
Left: 0.033+/-0.083 χ²/NDF: 28.1/20
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.042+/-0.068 χ²/NDF:24.6/25
Out: 0.108+/-0.069 χ²/NDF:39.1/29
All: 0.032+/-0.048 χ²/NDF: 66.1/55



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 354.727+/-0.087 χ^2/NDF:403918.6/10

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 328.187+/-0.080 χ^2/NDF:287580.6/9

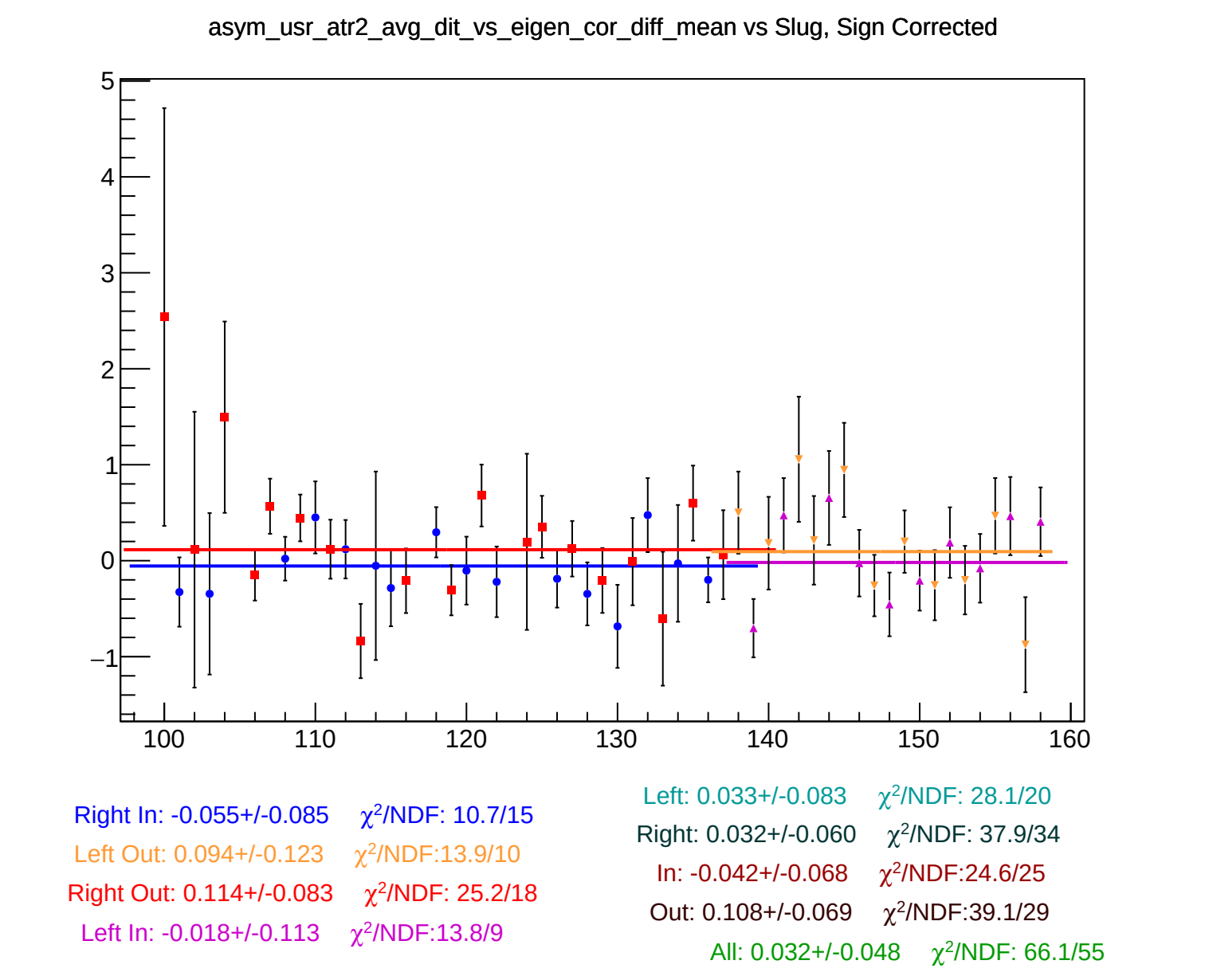
Left: 340.330+/-0.059 χ^2/NDF: 741970.1/20

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 256.517+/-0.048 χ^2/NDF:2700947.1/25

Out: 250.757+/-0.049 χ^2/NDF:4320312.1/29

All: 253.669+/-0.034 χ^2/NDF: 7028317.7/55


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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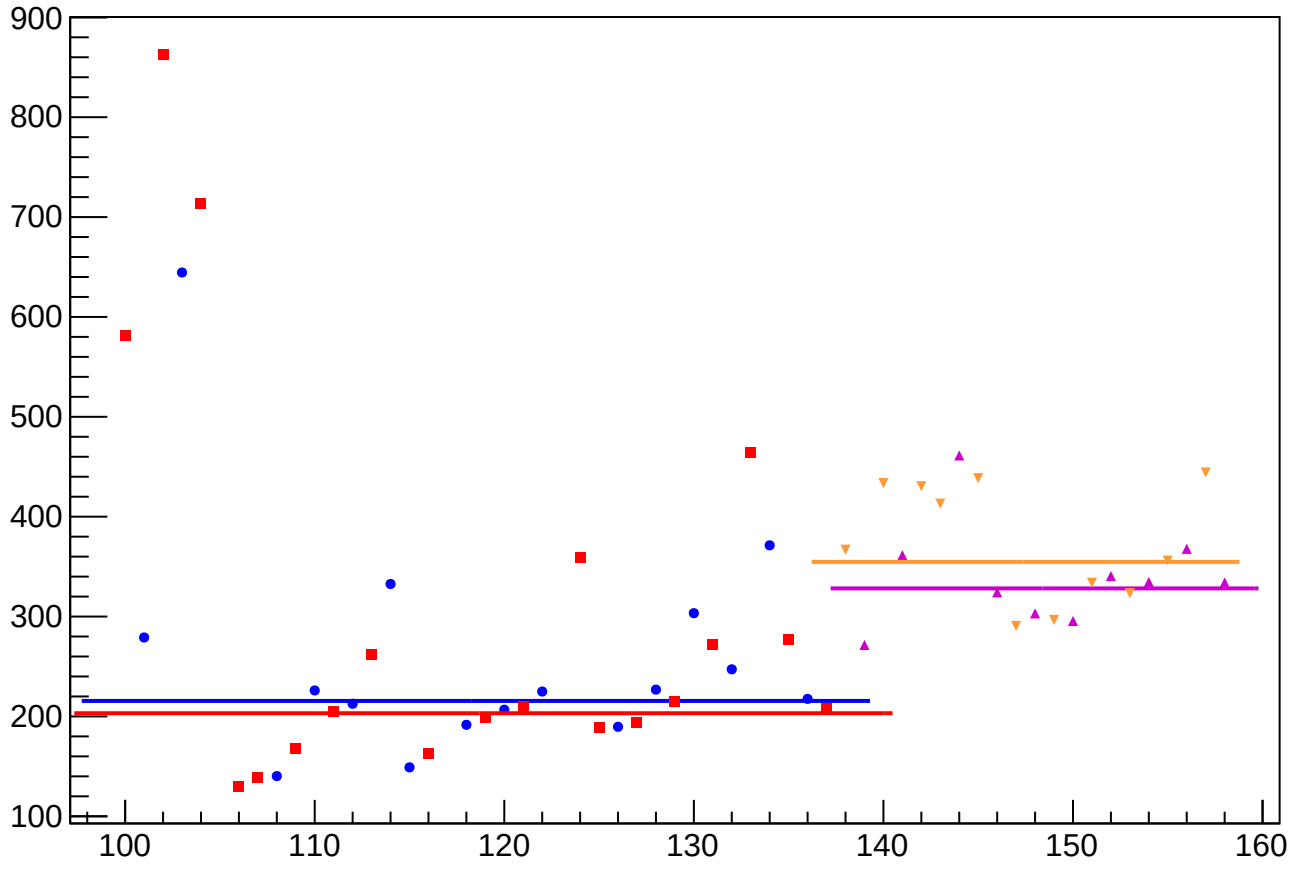
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.094+/-0.123 χ²/NDF:13.9/10
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.018+/-0.113 χ²/NDF:13.8/9
Left: 0.033+/-0.083 χ²/NDF: 28.1/20
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.042+/-0.068 χ²/NDF:24.6/25
Out: 0.108+/-0.069 χ²/NDF:39.1/29
All: 0.032+/-0.048 χ²/NDF: 66.1/55



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 354.727+/-0.087 χ^2/NDF:403918.6/10

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 328.187+/-0.080 χ^2/NDF:287580.6/9

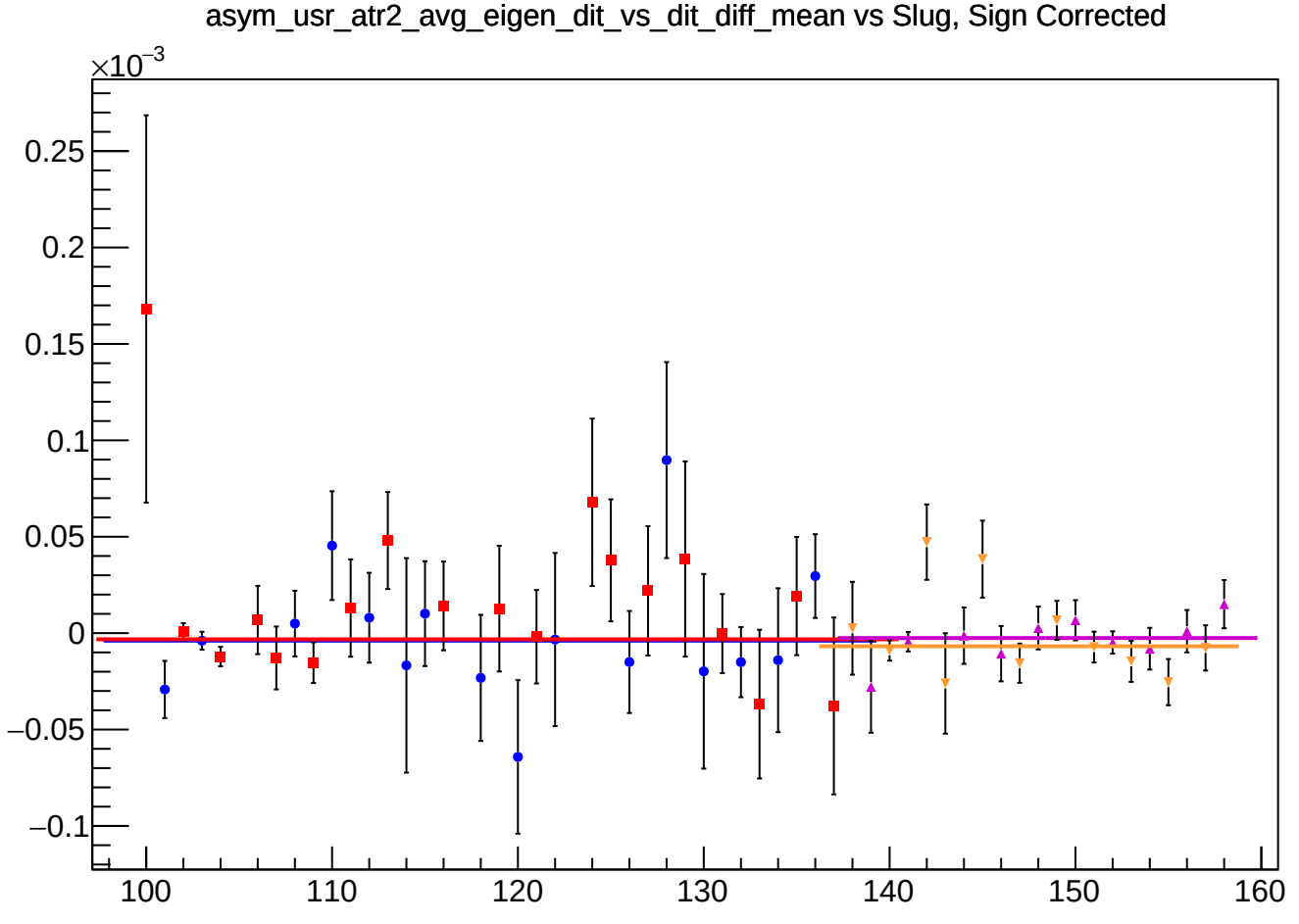
Left: 340.330+/-0.059 χ^2/NDF: 741970.1/20

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 256.517+/-0.048 χ^2/NDF:2700947.1/25

Out: 250.757+/-0.049 χ^2/NDF:4320312.1/29

All: 253.669+/-0.034 χ^2/NDF: 7028317.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/9

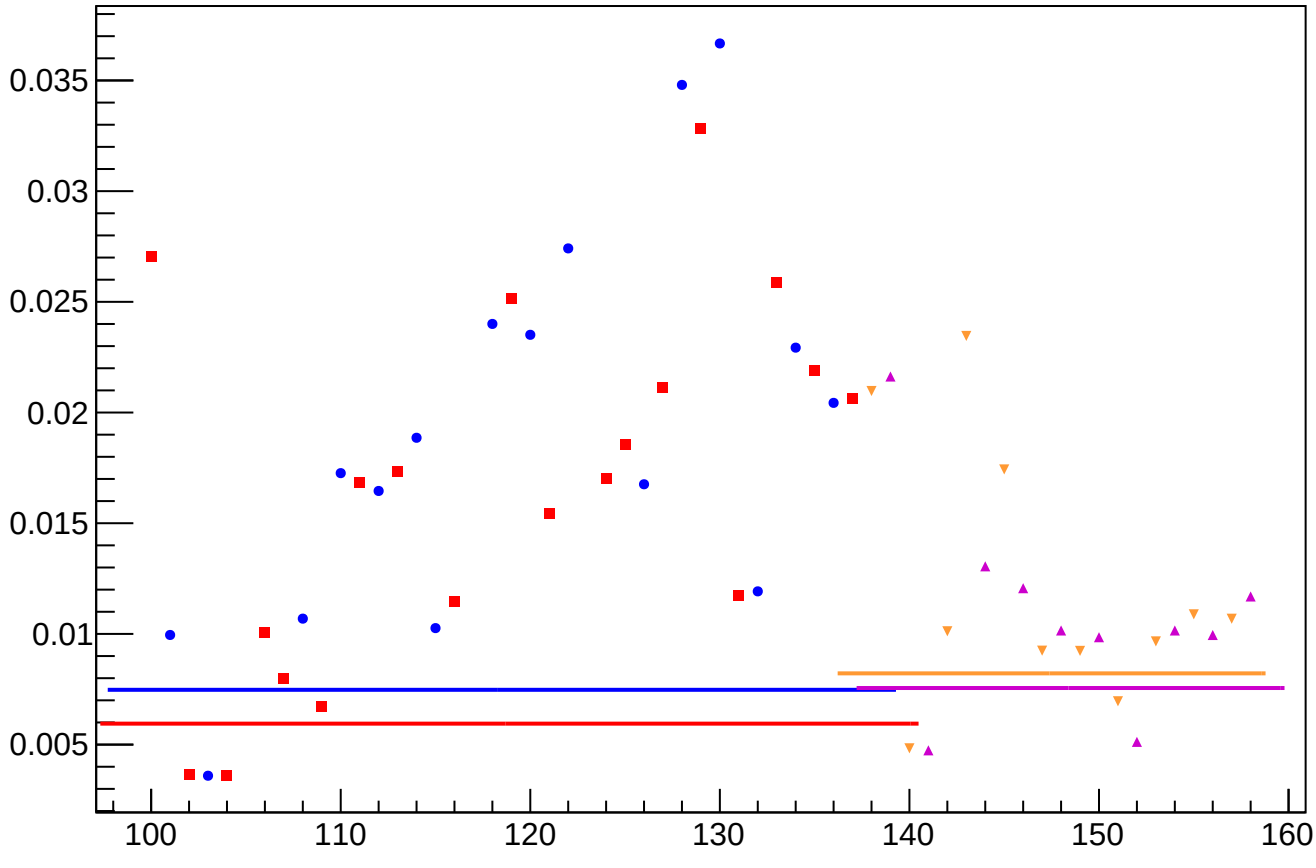
Left: -0.000+/-0.000 χ^2/NDF: 25.2/20

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: -0.000+/-0.000 χ^2/NDF:21.1/25

Out: -0.000+/-0.000 χ^2/NDF:41.5/29

All: -0.000+/-0.000 χ^2/NDF: 63.0/55



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2830466.2/10

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:2789357.9/9

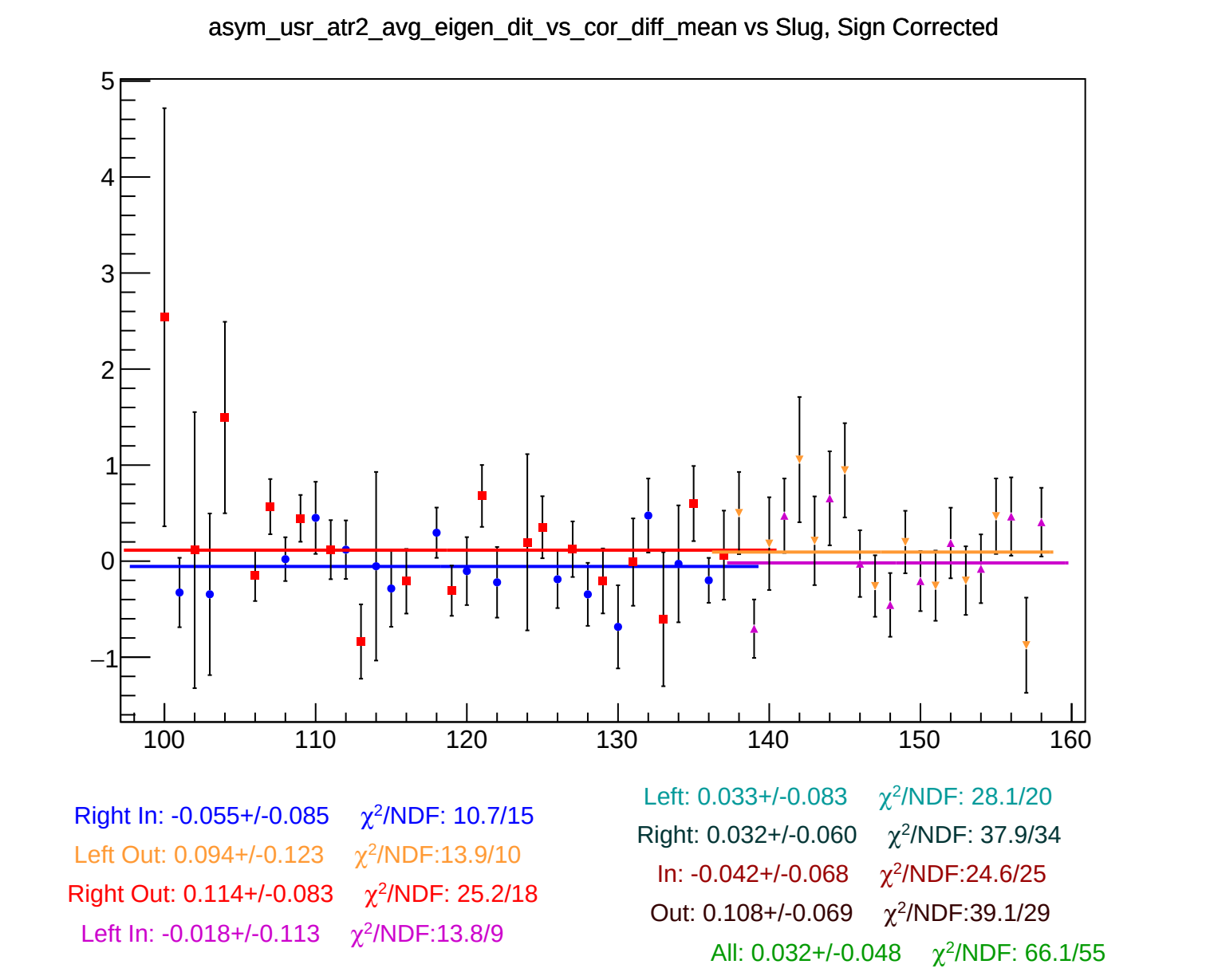
Left: 0.008+/-0.000 χ^2/NDF: 5668429.3/20

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:8866137.2/25

Out: 0.007+/-0.000 χ^2/NDF:9333062.7/29

All: 0.007+/-0.000 χ^2/NDF: 18256692.6/55


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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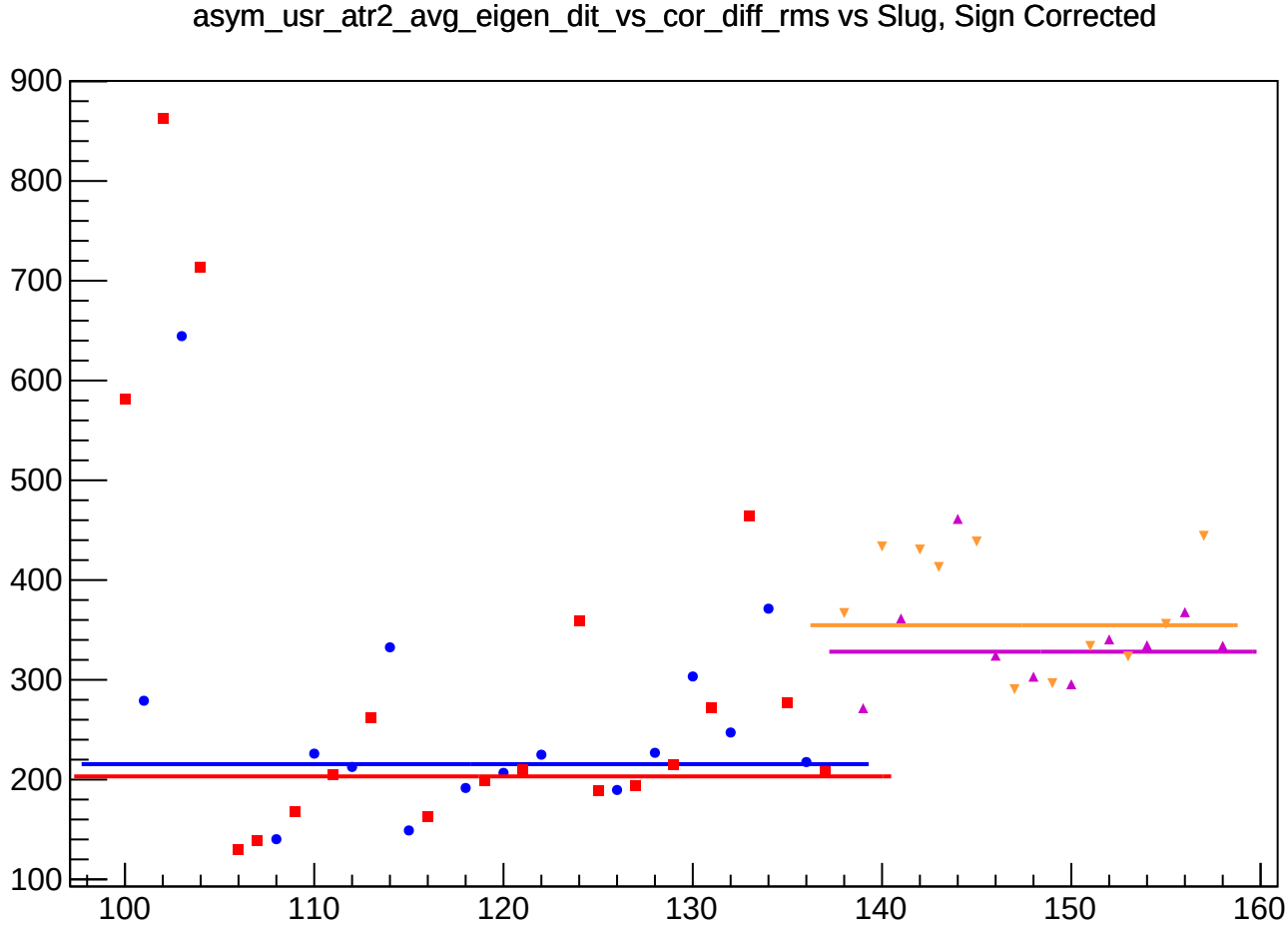
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.094+/-0.123 χ²/NDF:13.9/10
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.018+/-0.113 χ²/NDF:13.8/9
Left: 0.033+/-0.083 χ²/NDF: 28.1/20
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.042+/-0.068 χ²/NDF:24.6/25
Out: 0.108+/-0.069 χ²/NDF:39.1/29
All: 0.032+/-0.048 χ²/NDF: 66.1/55



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 354.732+/-0.087 χ^2/NDF:403910.1/10

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 328.192+/-0.080 χ^2/NDF:287565.5/9

Left: 340.335+/-0.059 χ^2/NDF: 741944.7/20

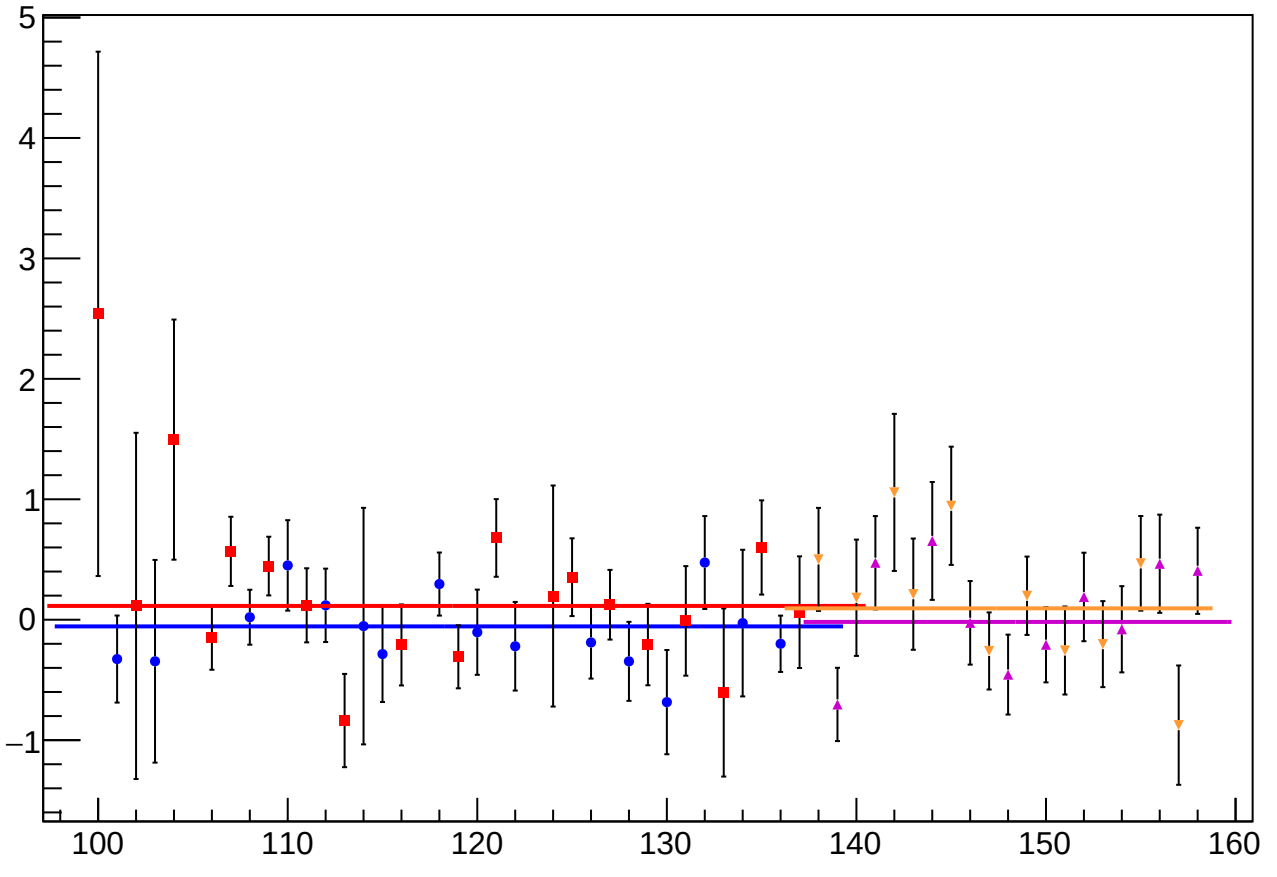
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 256.517+/-0.048 χ^2/NDF:2701023.4/25

Out: 250.756+/-0.049 χ^2/NDF:4320428.4/29

All: 253.669+/-0.034 χ^2/NDF: 7028512.2/55

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: 0.094+/-0.123 χ^2/NDF:13.9/10

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.018+/-0.113 χ^2/NDF:13.8/9

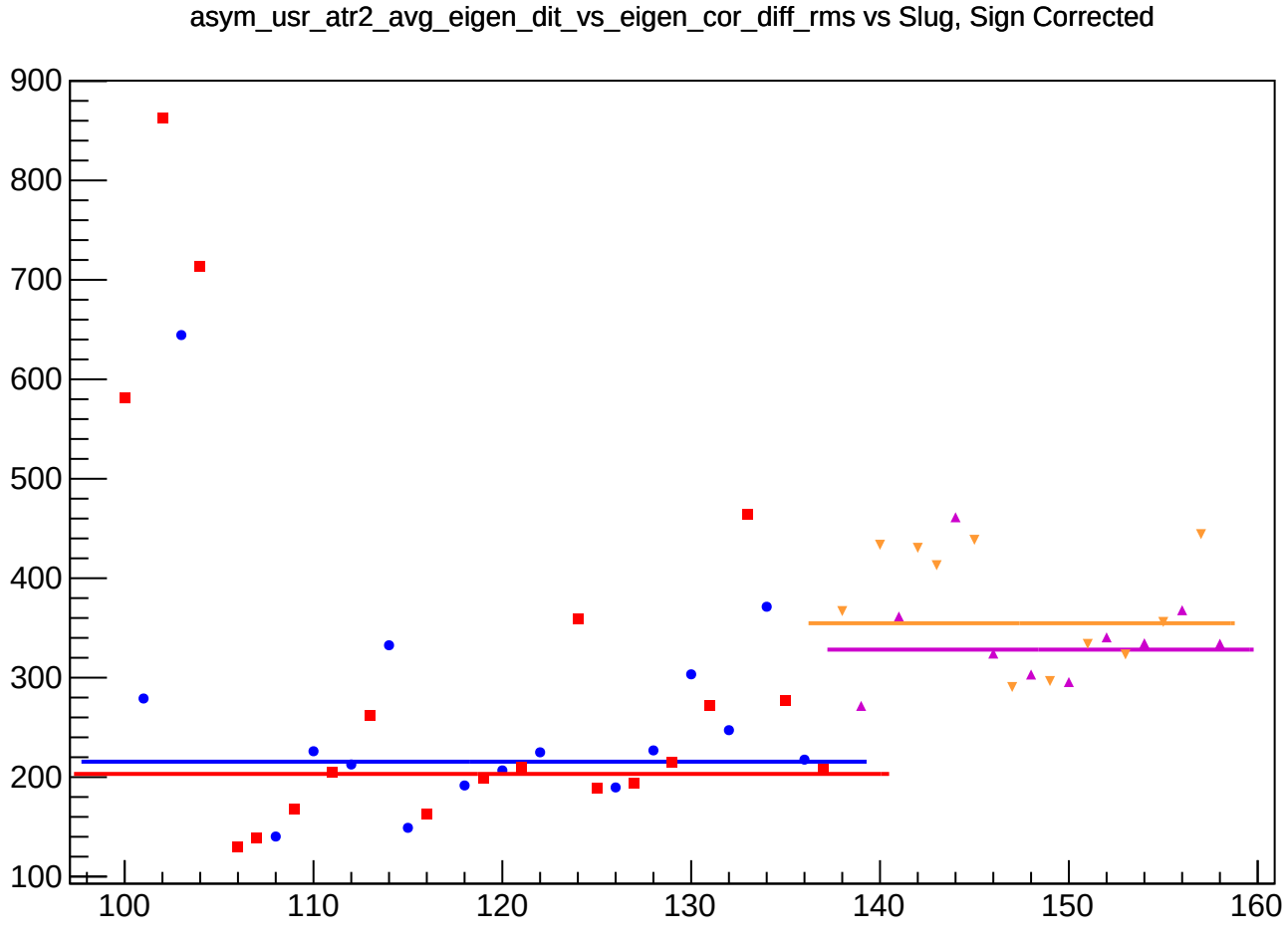
Left: 0.033+/-0.083 χ^2/NDF: 28.1/20

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.042+/-0.068 χ^2/NDF:24.6/25

Out: 0.108+/-0.069 χ^2/NDF:39.1/29

All: 0.032+/-0.048 χ^2/NDF: 66.1/55



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 354.732+/-0.087 χ^2/NDF:403910.1/10

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 328.192+/-0.080 χ^2/NDF:287565.5/9

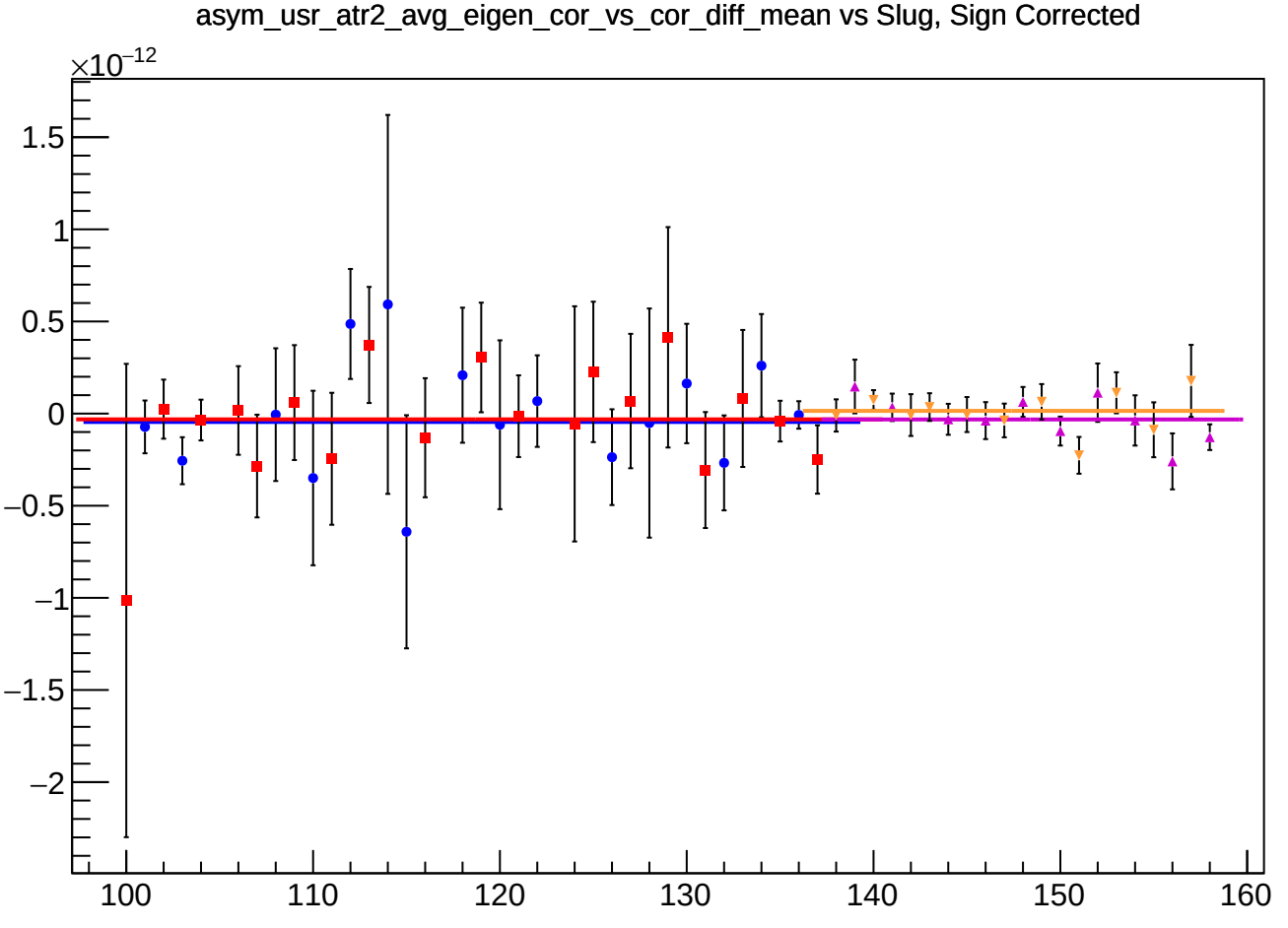
Left: 340.335+/-0.059 χ^2/NDF: 741944.7/20

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 256.517+/-0.048 χ^2/NDF:2701023.4/25

Out: 250.756+/-0.049 χ^2/NDF:4320428.4/29

All: 253.669+/-0.034 χ^2/NDF: 7028512.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/9

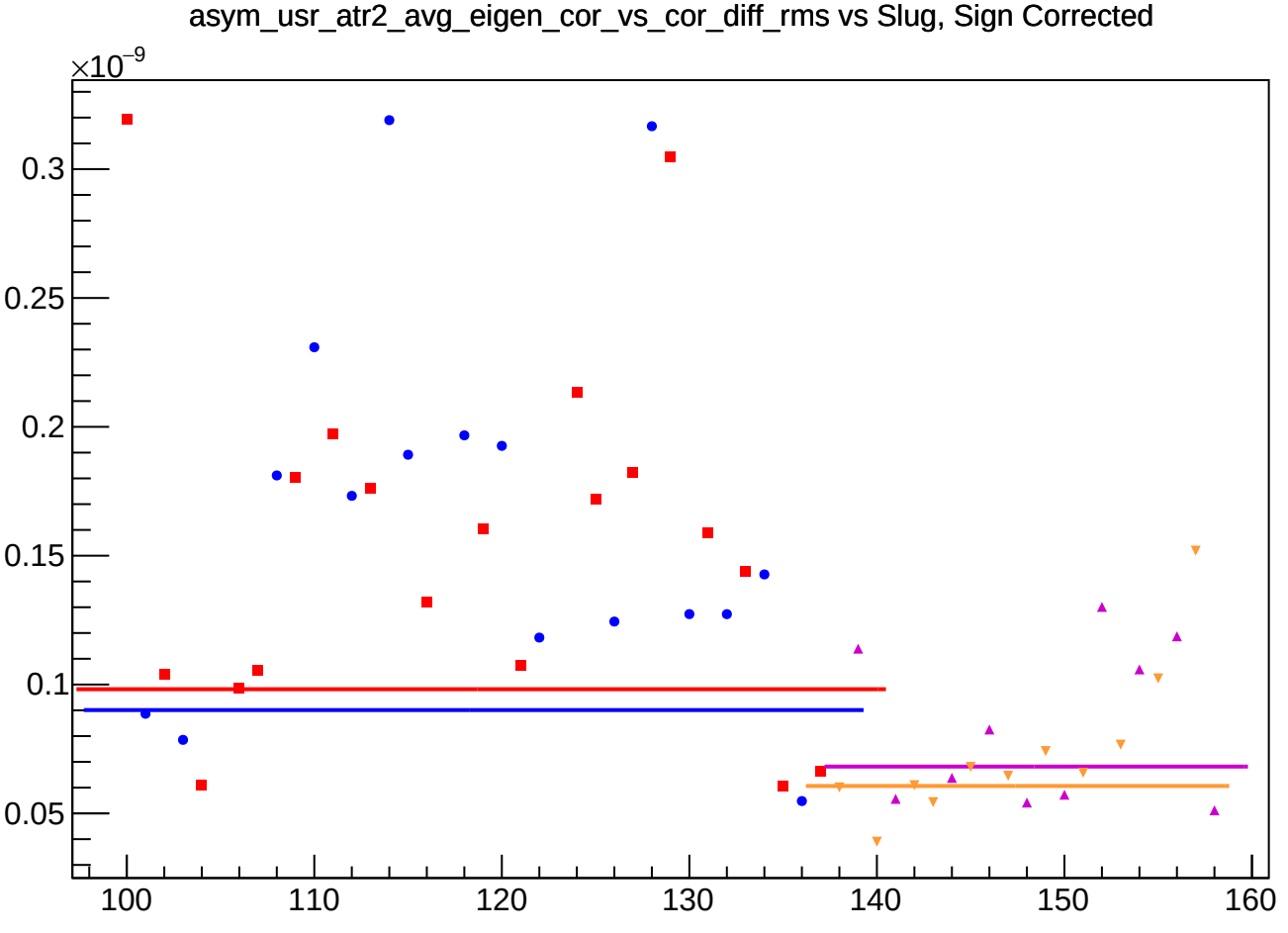
Left: -0.000+/-0.000 χ^2/NDF: 20.5/20

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:20.8/25

Out: 0.000+/-0.000 χ^2/NDF:18.8/29

All: -0.000+/-0.000 χ^2/NDF: 41.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1040993.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1196918.2/9

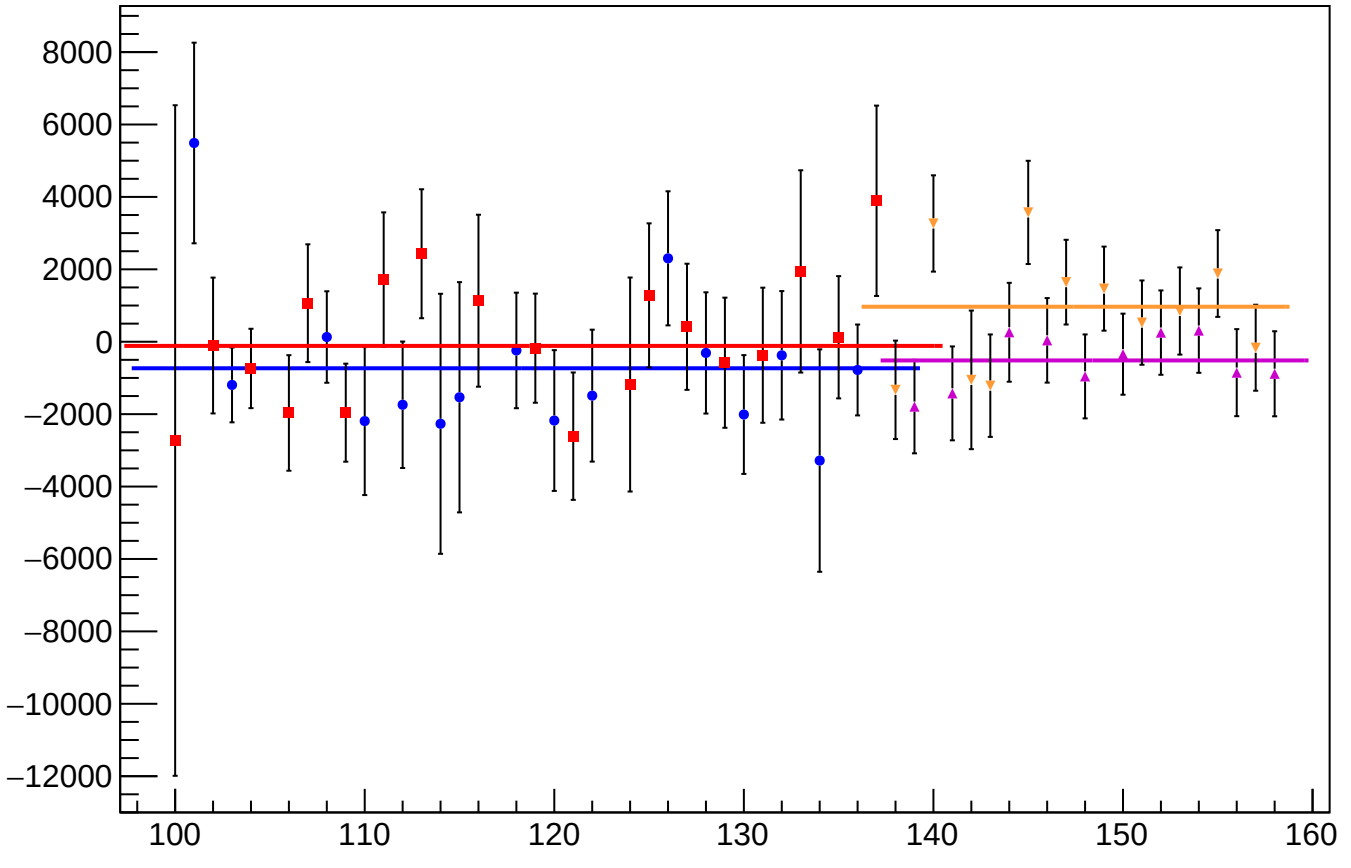
Left: 0.000+/-0.000 χ^2/NDF: 2307284.5/20

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:3288970.0/25

Out: 0.000+/-0.000 χ^2/NDF:3550284.8/29

All: 0.000+/-0.000 χ^2/NDF: 6881886.1/55



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 966.560+/-386.997 χ^2/NDF:14.8/10

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -516.596+/-380.796 χ^2/NDF:3.3/9

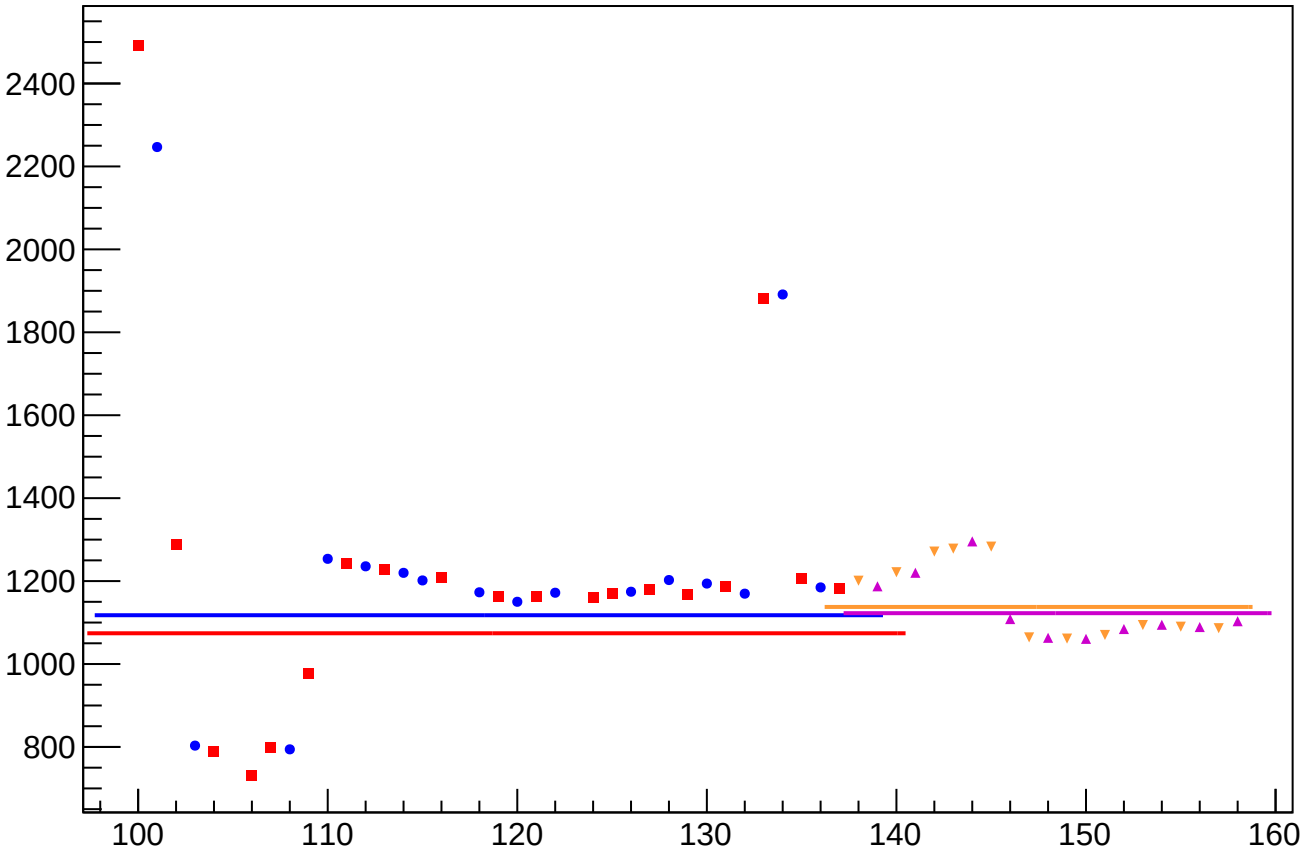
Left: 213.004+/-271.430 χ^2/NDF: 25.6/20

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -612.253+/-284.314 χ^2/NDF:15.1/25

Out: 458.836+/-281.893 χ^2/NDF:31.6/29

All: -72.129+/-200.179 χ^2/NDF: 53.9/55



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1137.649+/-0.274 χ^2/NDF:95331.2/10

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

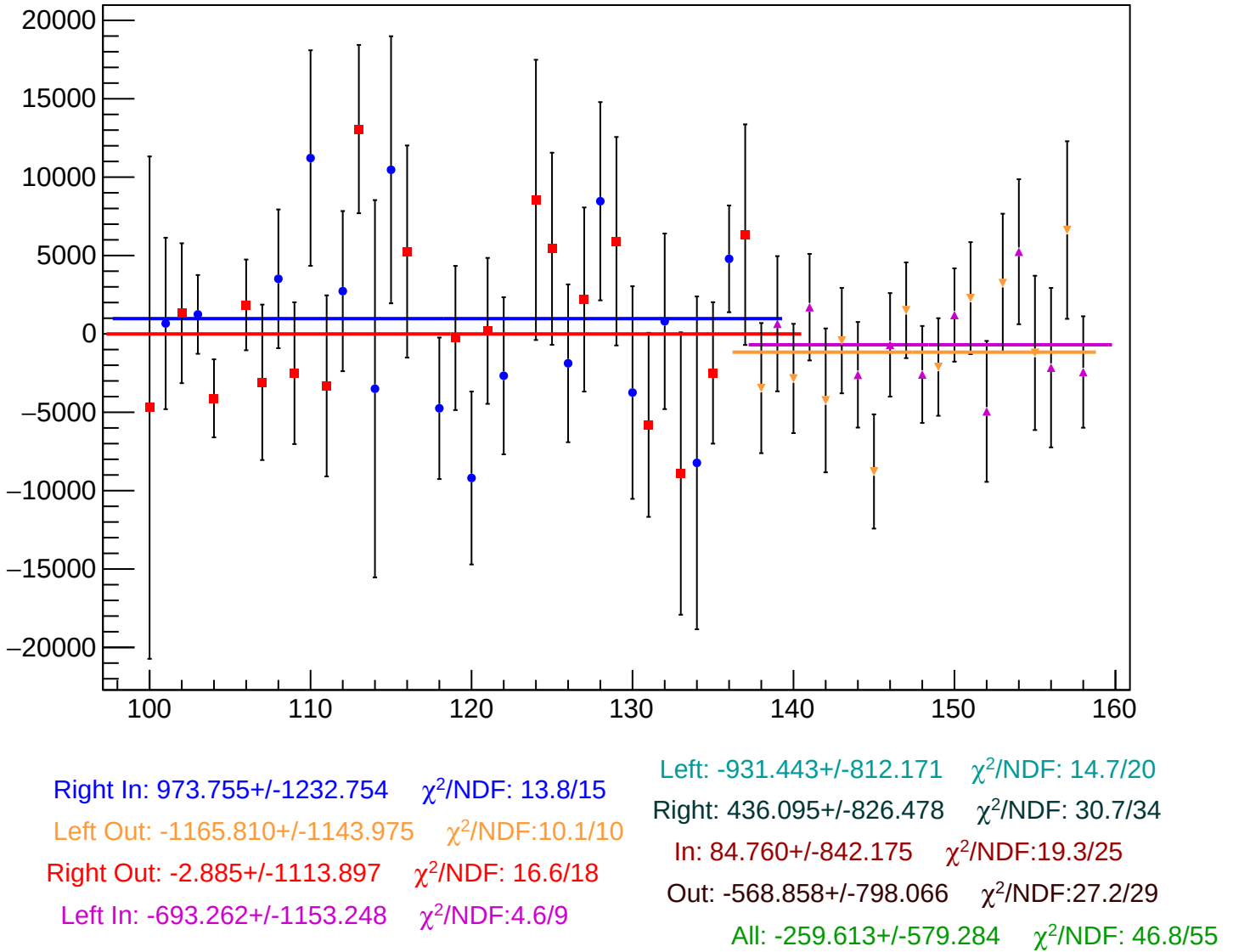
Left: 1130.009+/-0.192 χ^2/NDF: 162389.7/20

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1120.431+/-0.201 χ^2/NDF:885508.0/25

Out: 1107.577+/-0.199 χ^2/NDF:770340.2/29

All: 1113.924+/-0.141 χ^2/NDF: 1657917.9/55


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
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−5000
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−15000
−20000
100
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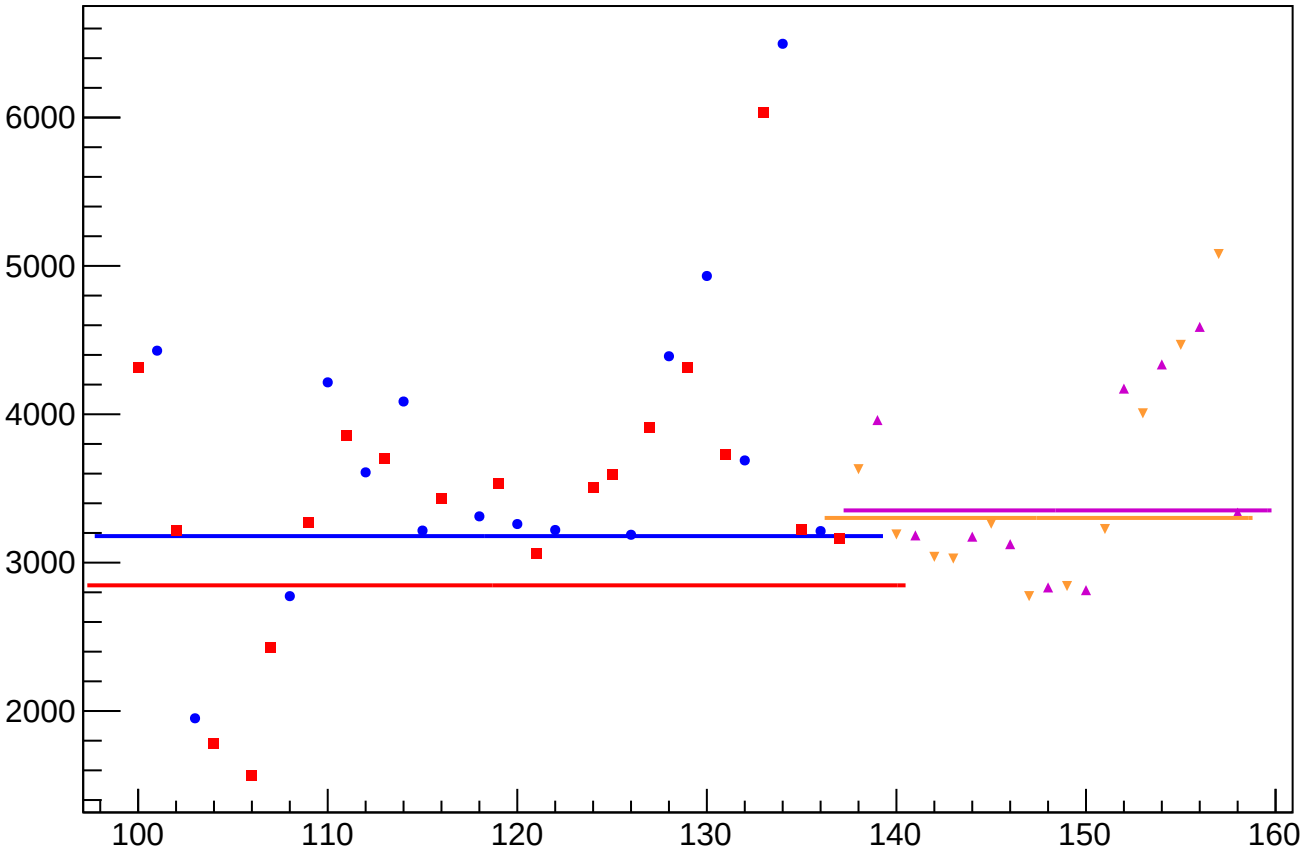
120
130
140
150
160
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -1165.810+/-1143.975 χ²/NDF:10.1/10
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -693.262+/-1153.248 χ²/NDF:4.6/9
Left: -931.443+/-812.171 χ²/NDF: 14.7/20
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: 84.760+/-842.175 χ²/NDF:19.3/25
Out: -568.858+/-798.066 χ²/NDF:27.2/29
All: -259.613+/-579.284 χ²/NDF: 46.8/55



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3301.301+/-0.809 χ^2/NDF:498873.6/10

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3352.078+/-0.815 χ^2/NDF:457079.3/9

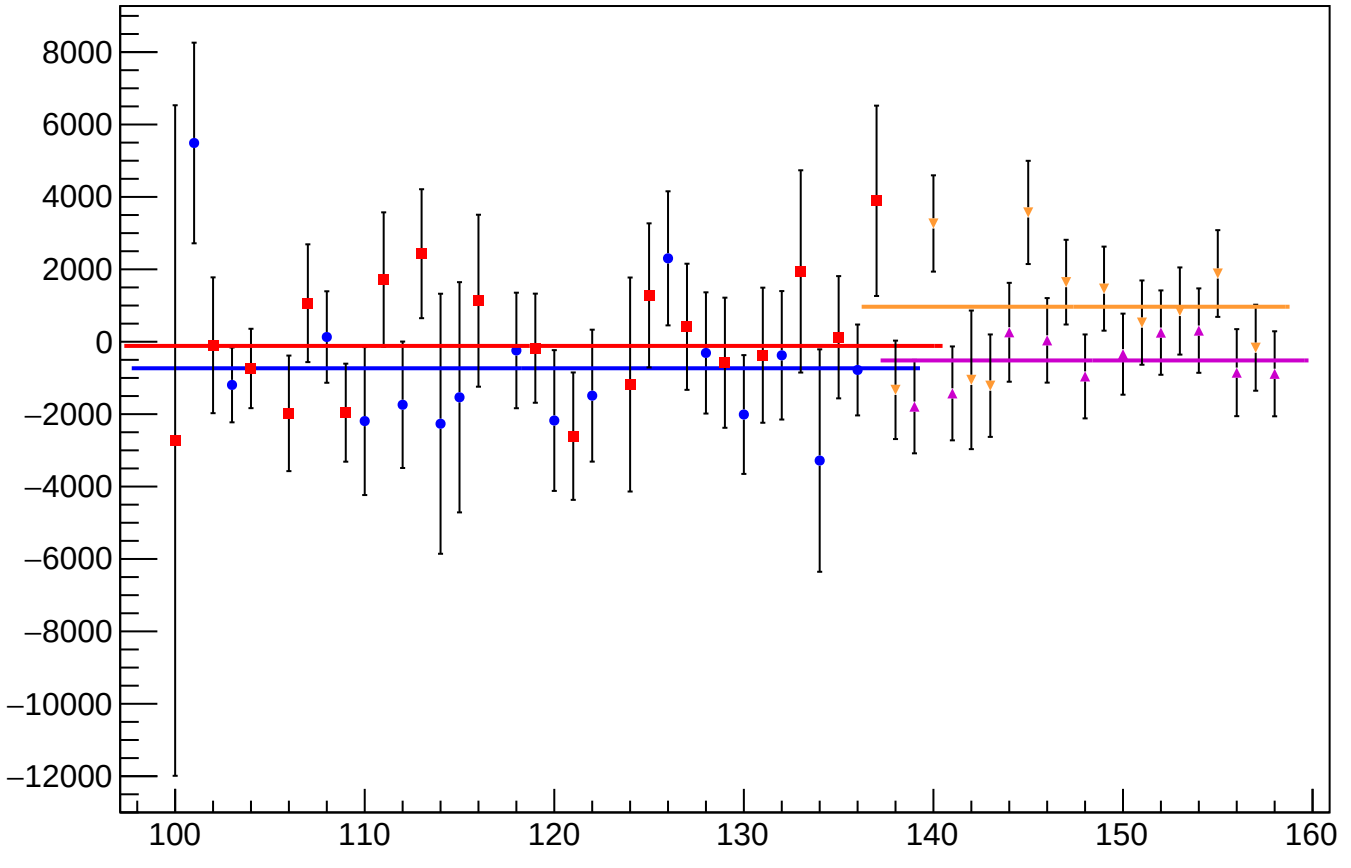
Left: 3326.485+/-0.574 χ^2/NDF: 957907.1/20

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3271.239+/-0.596 χ^2/NDF:1569812.0/25

Out: 3068.108+/-0.564 χ^2/NDF:2171932.3/29

All: 3164.215+/-0.410 χ^2/NDF: 3803047.8/55



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 966.607+/-386.997 χ^2/NDF:14.8/10

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -516.641+/-380.796 χ^2/NDF:3.3/9

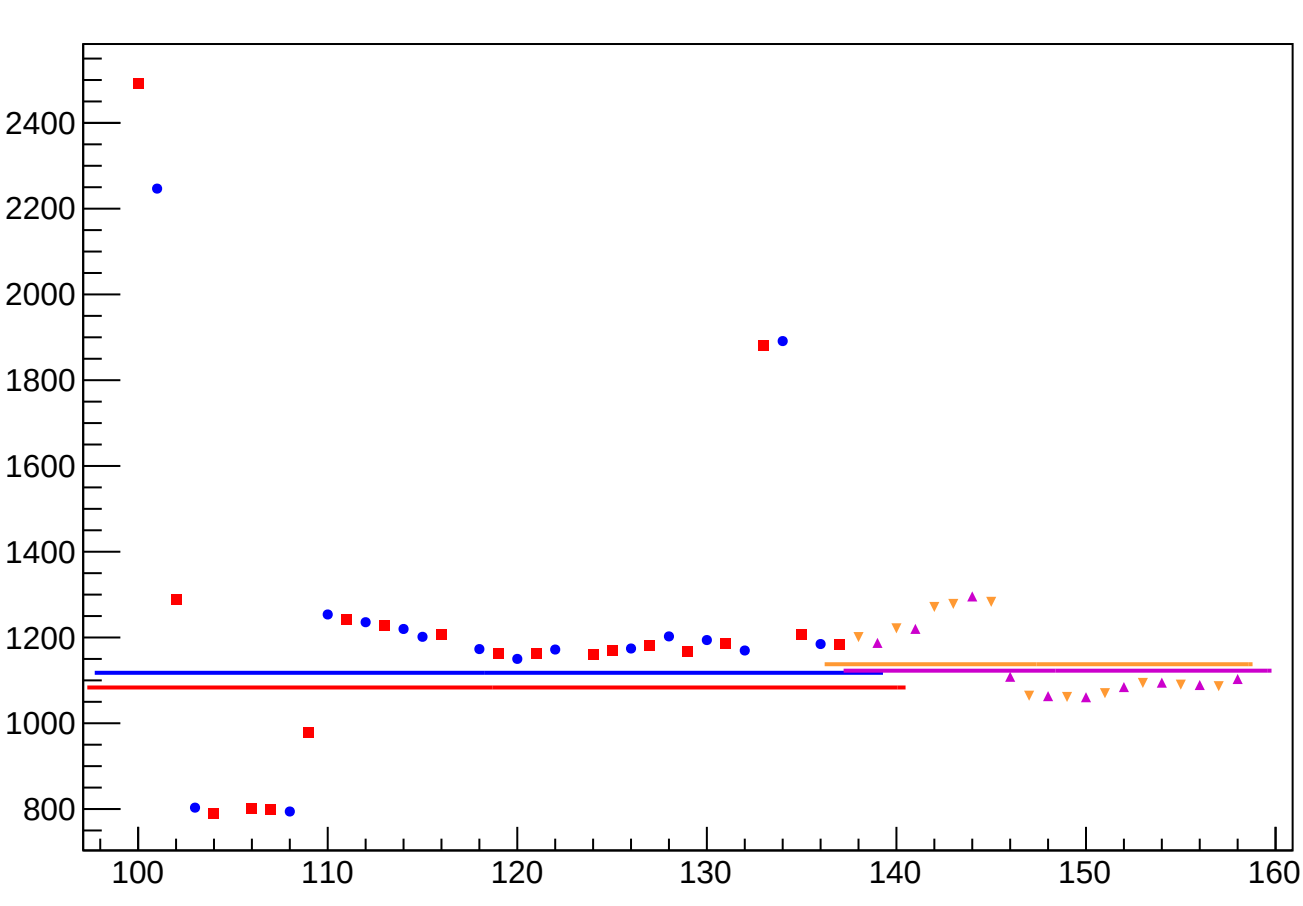
Left: 213.005+/-271.430 χ^2/NDF: 25.6/20

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -612.249+/-284.314 χ^2/NDF:15.1/25

Out: 458.742+/-281.894 χ^2/NDF:31.6/29

All: -72.177+/-200.179 χ^2/NDF: 53.9/55



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1137.649+/-0.274 χ^2/NDF:95331.2/10

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

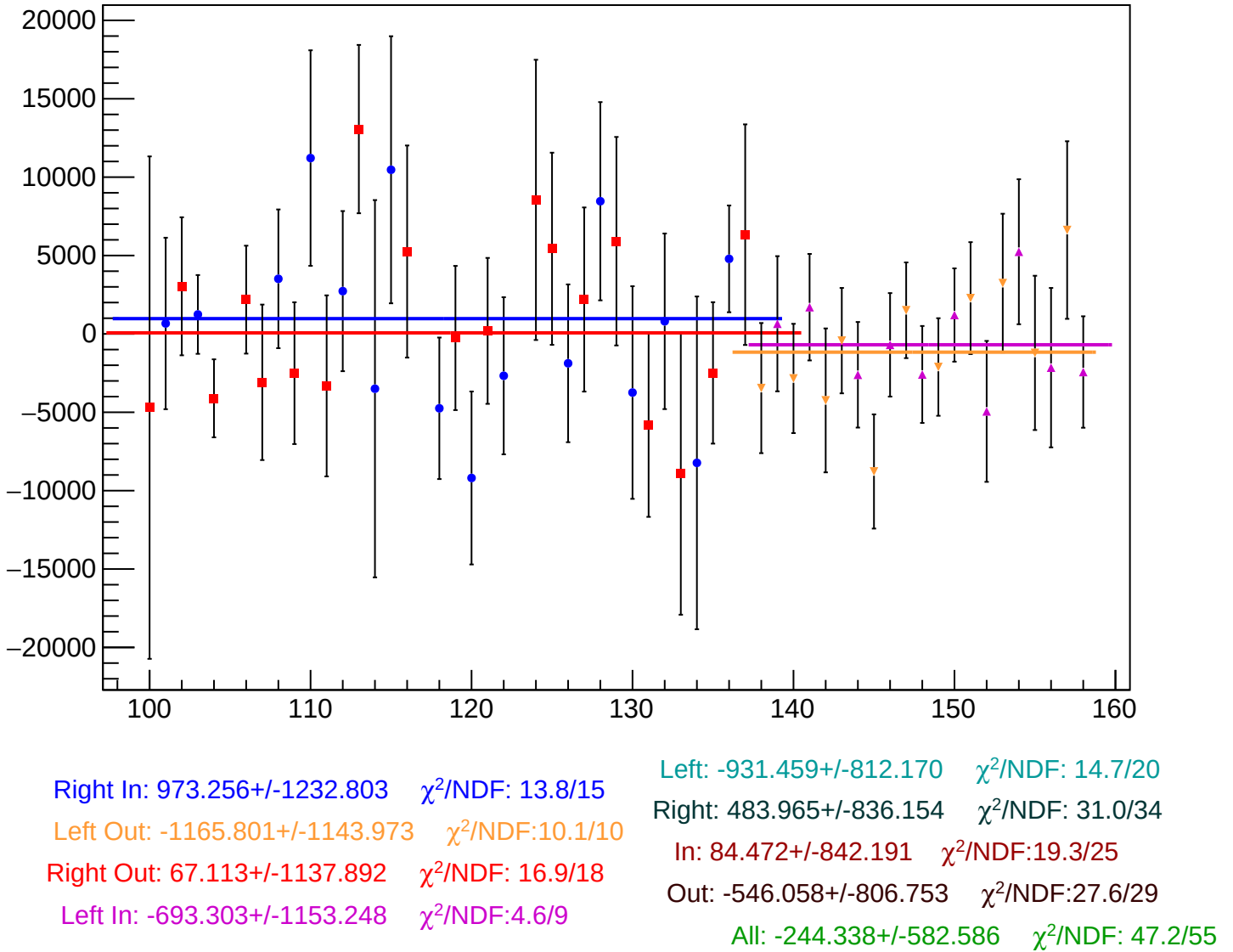
Left: 1130.009+/-0.192 χ^2/NDF: 162389.7/20

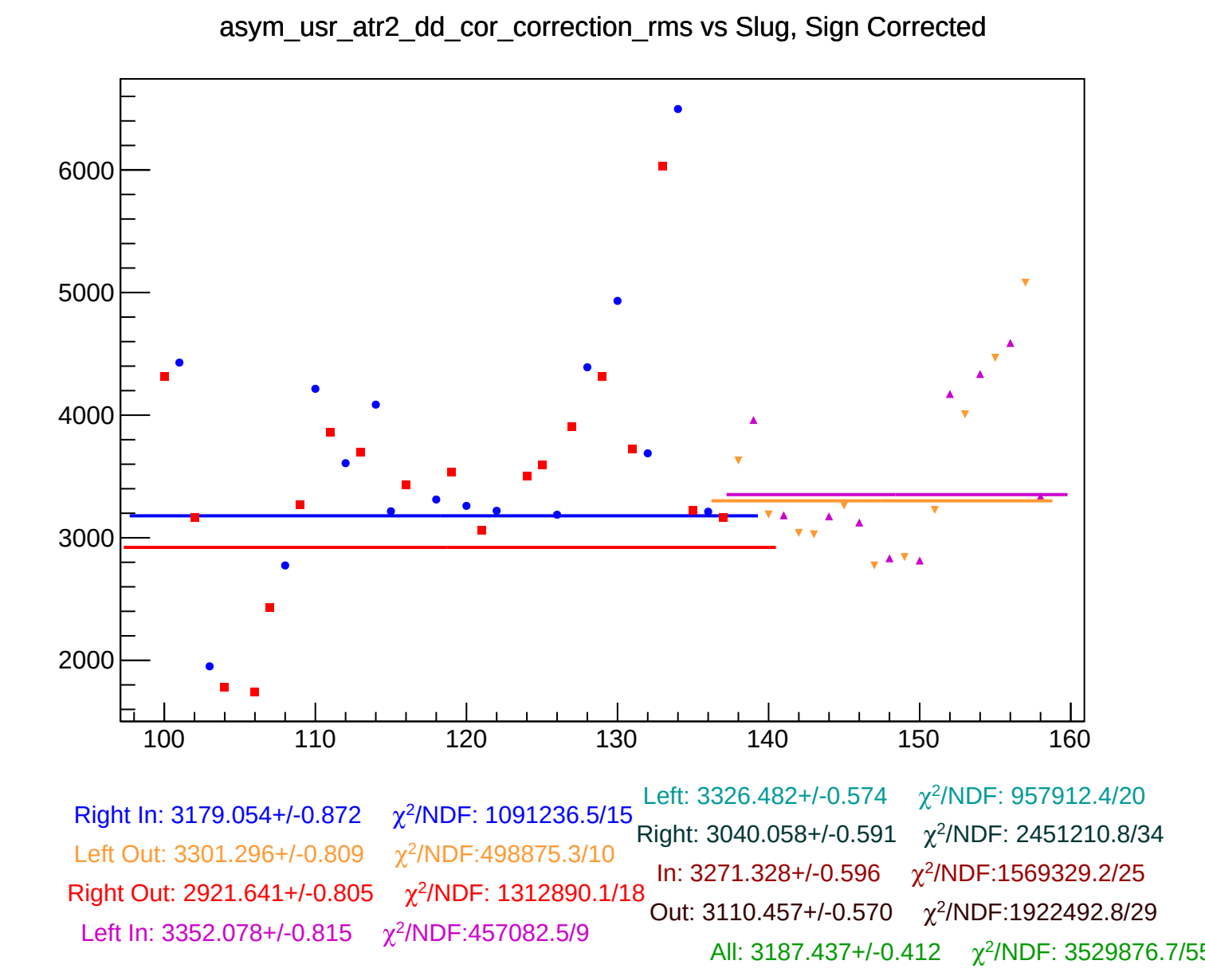
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1120.432+/-0.201 χ^2/NDF:885504.6/25

Out: 1112.141+/-0.199 χ^2/NDF:708819.3/29

All: 1116.247+/-0.141 χ^2/NDF: 1595182.1/55


asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -1165.801+/-1143.973 χ²/NDF:10.1/10
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -693.303+/-1153.248 χ²/NDF:4.6/9
Left: -931.459+/-812.170 χ²/NDF: 14.7/20
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: 84.472+/-842.191 χ²/NDF:19.3/25
Out: -546.058+/-806.753 χ²/NDF:27.6/29
All: -244.338+/-582.586 χ²/NDF: 47.2/55


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
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5000
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3000
2000
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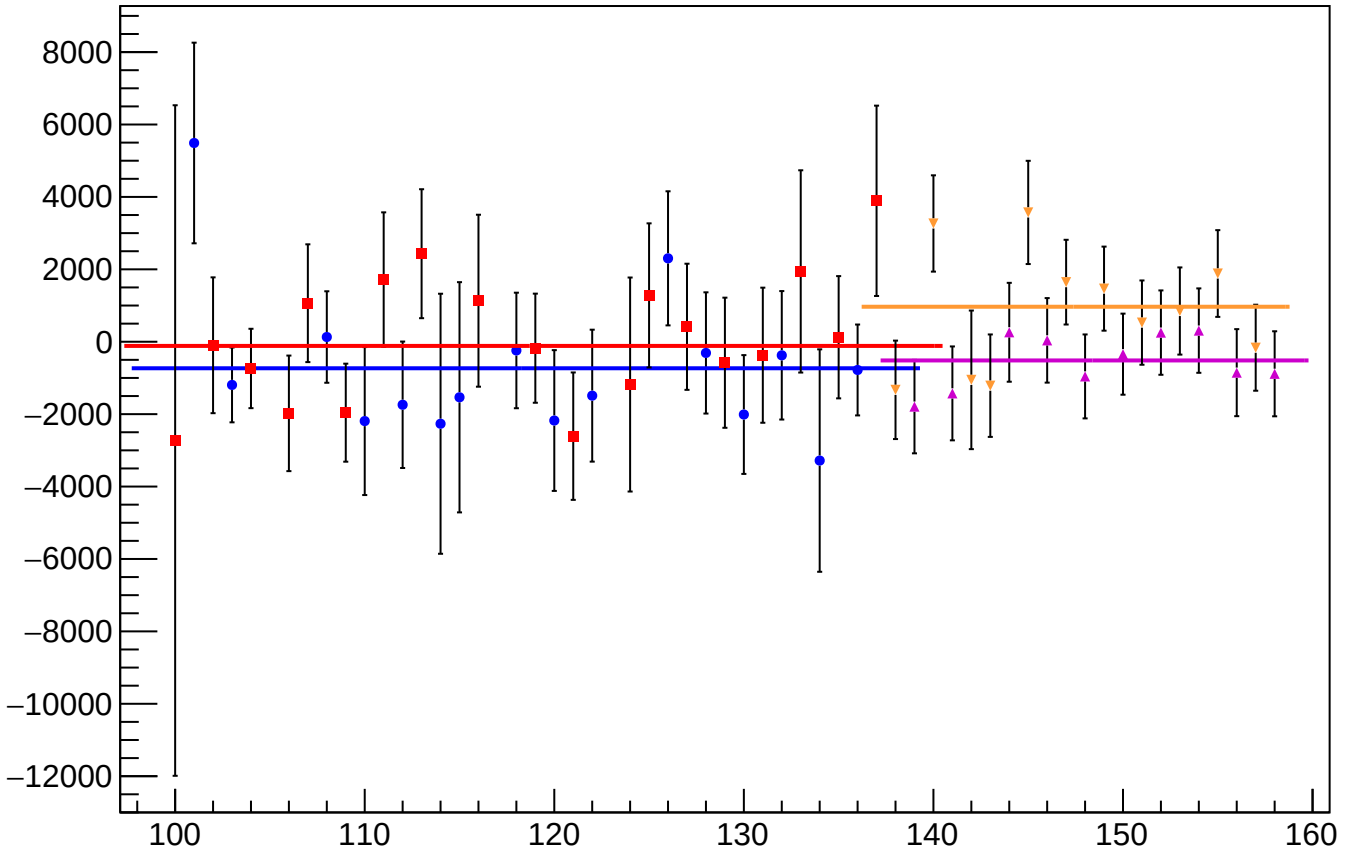
110
120
130
140
150
160
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3301.296+/-0.809 χ²/NDF:498875.3/10
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3352.078+/-0.815 χ²/NDF:457082.5/9
Left: 3326.482+/-0.574 χ²/NDF: 957912.4/20
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3271.328+/-0.596 χ²/NDF:1569329.2/25
Out: 3110.457+/-0.570 χ²/NDF:1922492.8/29
All: 3187.437+/-0.412 χ²/NDF: 3529876.7/55



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 966.607+/-386.997 χ^2/NDF:14.8/10

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -516.641+/-380.796 χ^2/NDF:3.3/9

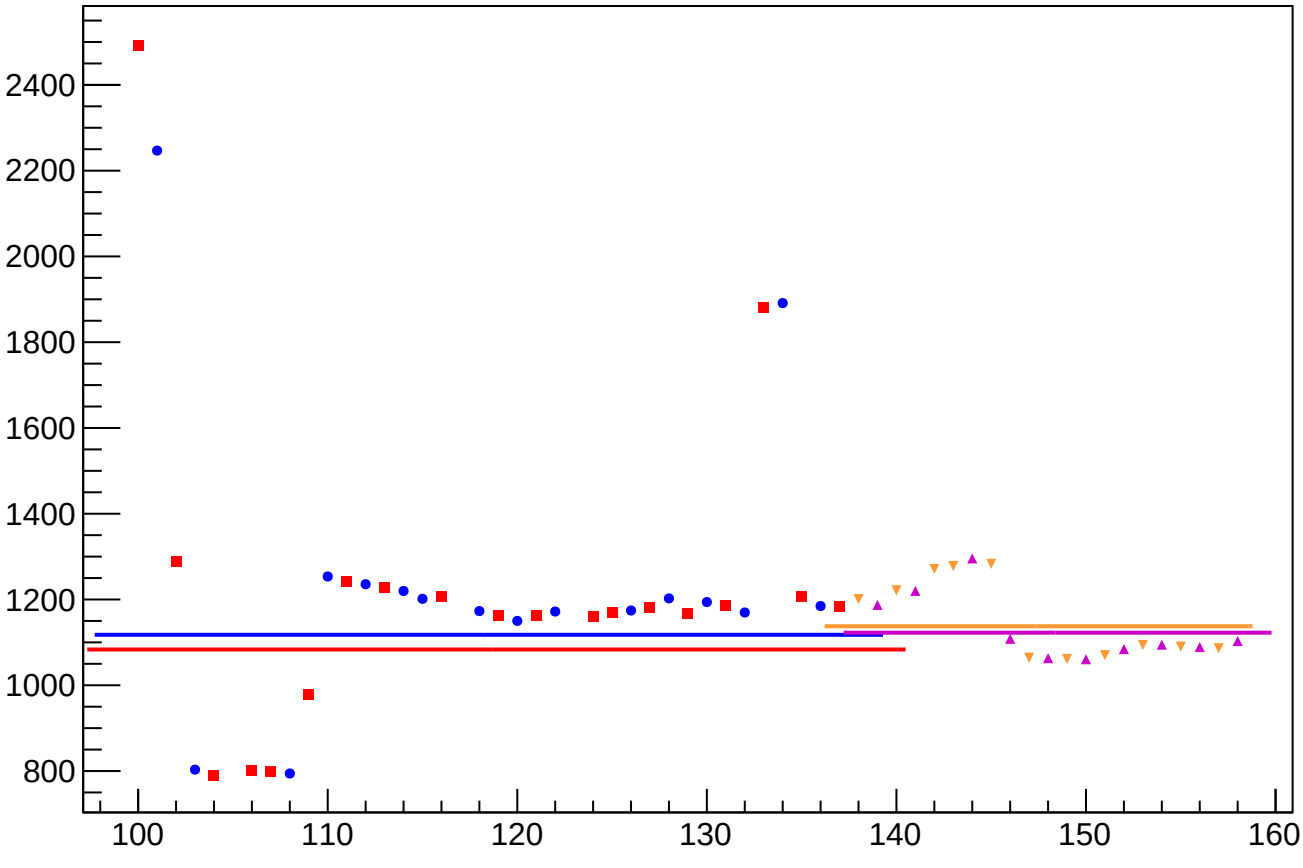
Left: 213.005+/-271.430 χ^2/NDF: 25.6/20

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -612.249+/-284.314 χ^2/NDF:15.1/25

Out: 458.742+/-281.894 χ^2/NDF:31.6/29

All: -72.177+/-200.179 χ^2/NDF: 53.9/55



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1137.649+/-0.274 χ^2/NDF:95331.2/10

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

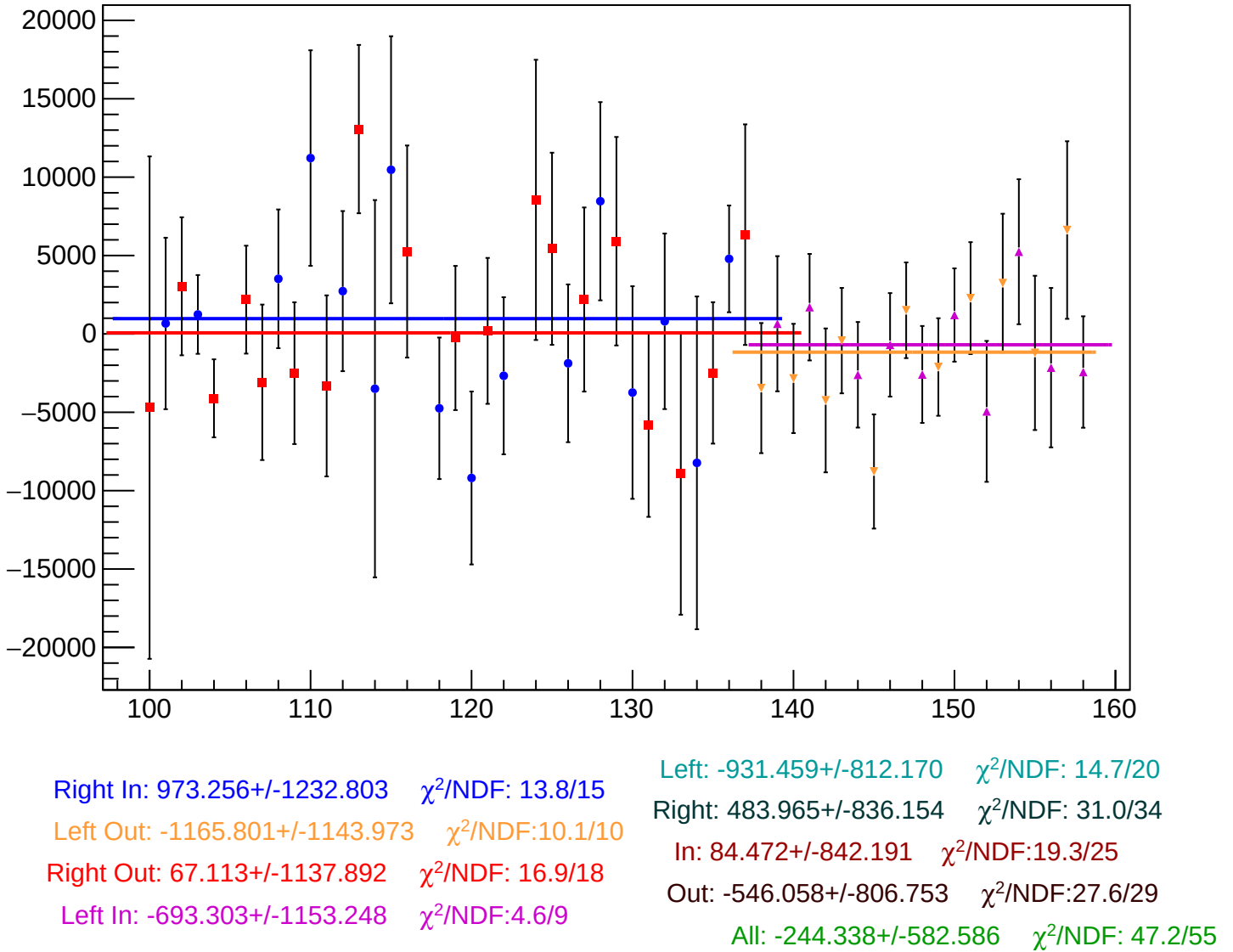
Left: 1130.009+/-0.192 χ^2/NDF: 162389.7/20

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1120.432+/-0.201 χ^2/NDF:885504.6/25

Out: 1112.141+/-0.199 χ^2/NDF:708819.3/29

All: 1116.247+/-0.141 χ^2/NDF: 1595182.1/55


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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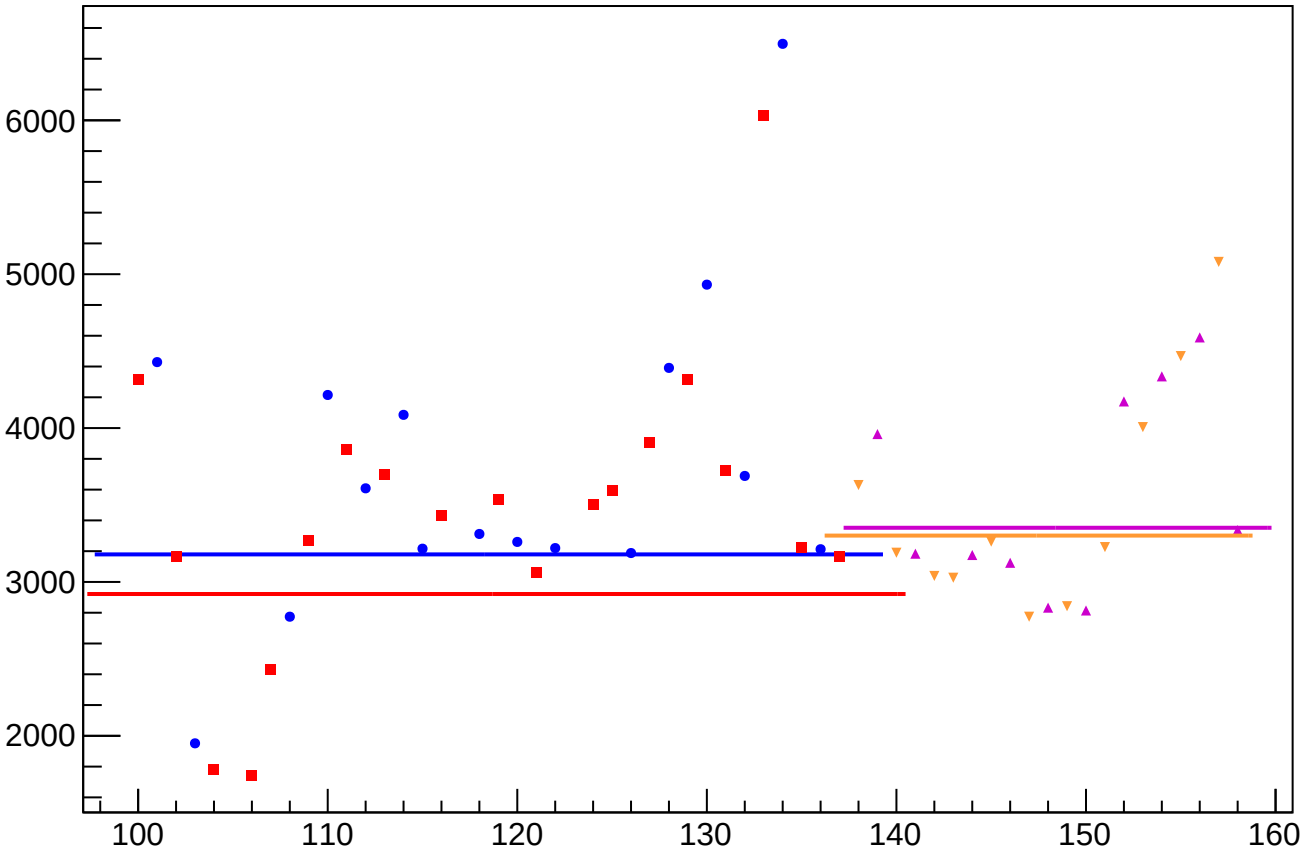
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -1165.801+/-1143.973 χ²/NDF:10.1/10
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -693.303+/-1153.248 χ²/NDF:4.6/9
Left: -931.459+/-812.170 χ²/NDF: 14.7/20
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: 84.472+/-842.191 χ²/NDF:19.3/25
Out: -546.058+/-806.753 χ²/NDF:27.6/29
All: -244.338+/-582.586 χ²/NDF: 47.2/55


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
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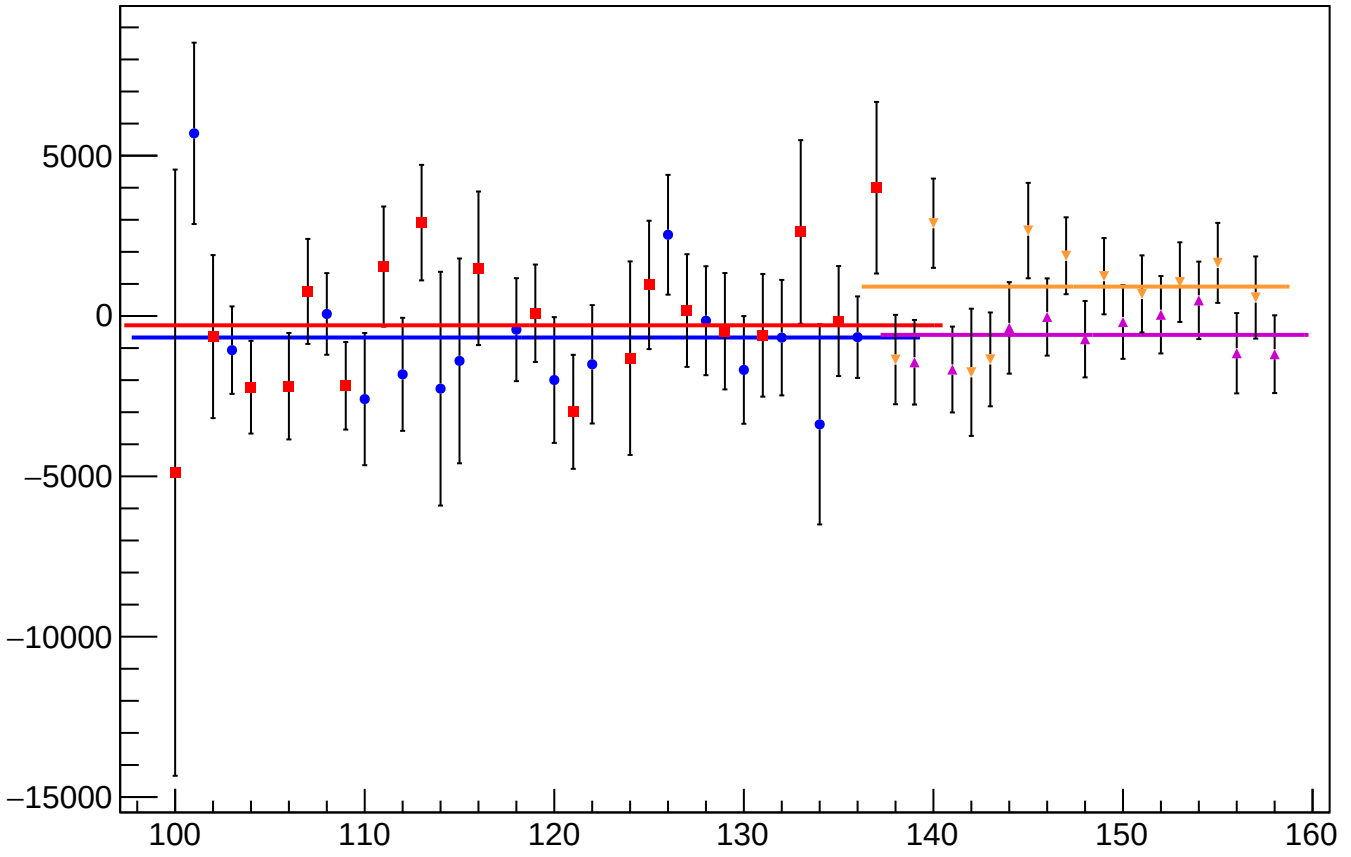
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3301.296+/-0.809 χ²/NDF:498875.3/10
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3352.078+/-0.815 χ²/NDF:457082.5/9
Left: 3326.482+/-0.574 χ²/NDF: 957912.4/20
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3271.328+/-0.596 χ²/NDF:1569329.2/25
Out: 3110.457+/-0.570 χ²/NDF:1922492.8/29
All: 3187.437+/-0.412 χ²/NDF: 3529876.7/55



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 916.458+/-401.602 χ^2/NDF:11.5/10

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -588.495+/-393.159 χ^2/NDF:3.0/9

Left: 147.995+/-280.943 χ^2/NDF: 21.6/20

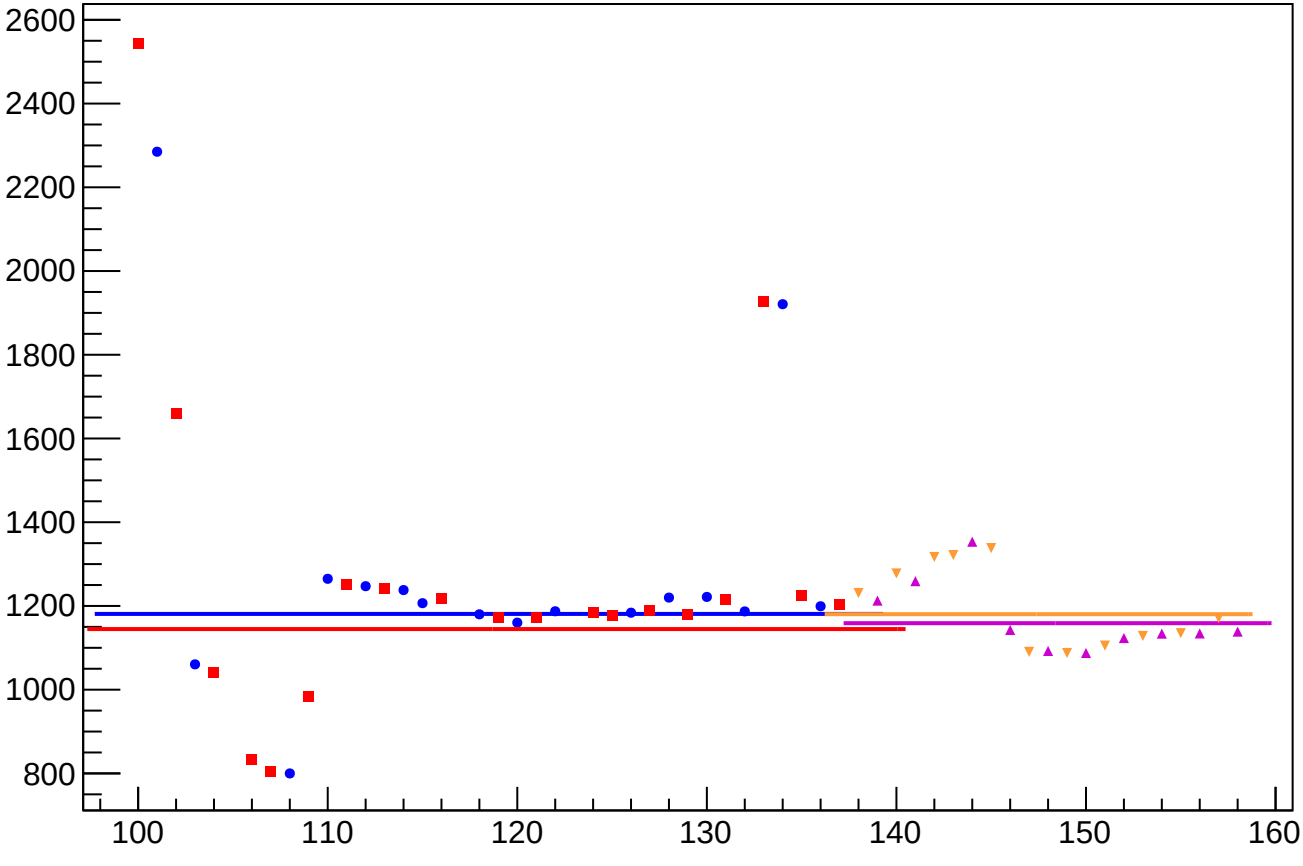
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -624.267+/-295.646 χ^2/NDF:14.8/25

Out: 360.379+/-294.897 χ^2/NDF:32.6/29

All: -130.695+/-208.788 χ^2/NDF: 53.0/55

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1180.300+/-0.284 χ^2/NDF:100577.6/10

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1158.855+/-0.278 χ^2/NDF:69938.9/9

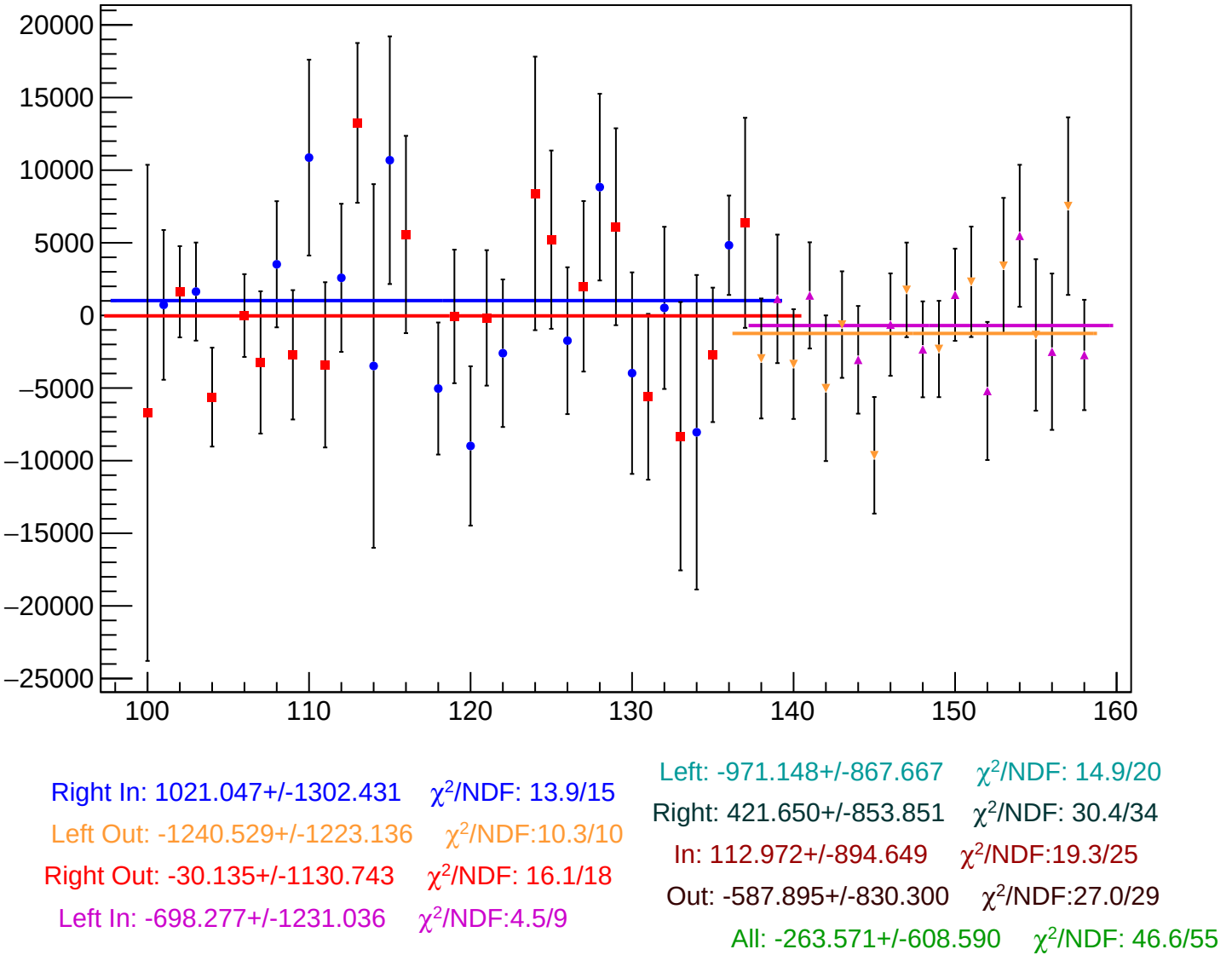
Left: 1169.350+/-0.199 χ^2/NDF: 173428.4/20

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1168.459+/-0.209 χ^2/NDF:694563.5/25

Out: 1163.923+/-0.208 χ^2/NDF:605522.5/29

All: 1166.184+/-0.148 χ^2/NDF: 1300322.0/55


asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected
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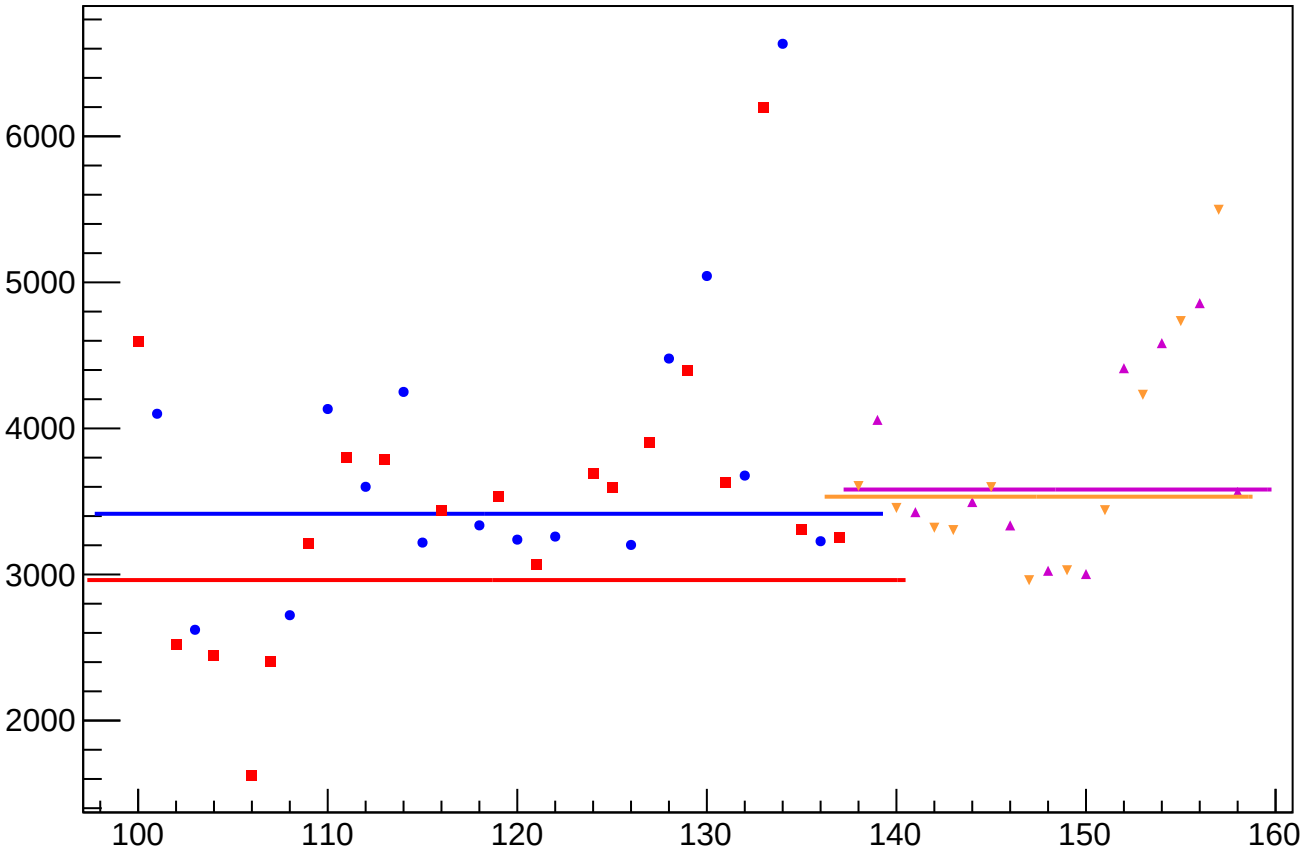
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 1021.047+/-1302.431 χ²/NDF: 13.9/15
Left Out: -1240.529+/-1223.136 χ²/NDF:10.3/10
Right Out: -30.135+/-1130.743 χ²/NDF: 16.1/18
Left In: -698.277+/-1231.036 χ²/NDF:4.5/9
Left: -971.148+/-867.667 χ²/NDF: 14.9/20
Right: 421.650+/-853.851 χ²/NDF: 30.4/34
In: 112.972+/-894.649 χ²/NDF:19.3/25
Out: -587.895+/-830.300 χ²/NDF:27.0/29
All: -263.571+/-608.590 χ²/NDF: 46.6/55



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3532.662+/-0.865 χ^2/NDF:479577.0/10

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3581.721+/-0.870 χ^2/NDF:418301.8/9

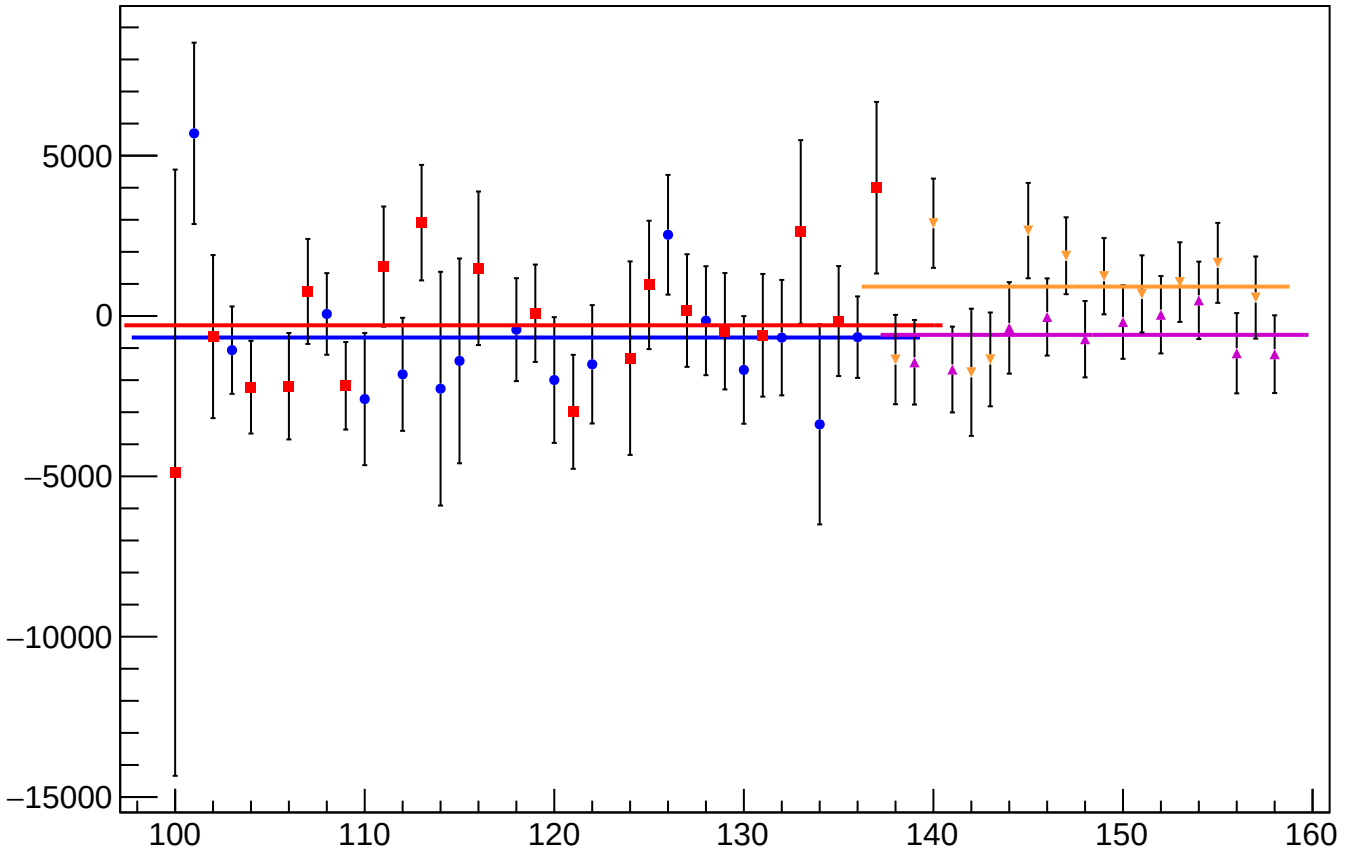
Left: 3557.034+/-0.614 χ^2/NDF: 899477.2/20

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3503.336+/-0.633 χ^2/NDF:1027831.3/25

Out: 3224.857+/-0.587 χ^2/NDF:1883737.2/29

All: 3353.722+/-0.430 χ^2/NDF: 3015677.0/55



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 916.462+/-401.602 χ^2/NDF:11.5/10

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -588.493+/-393.159 χ^2/NDF:3.0/9

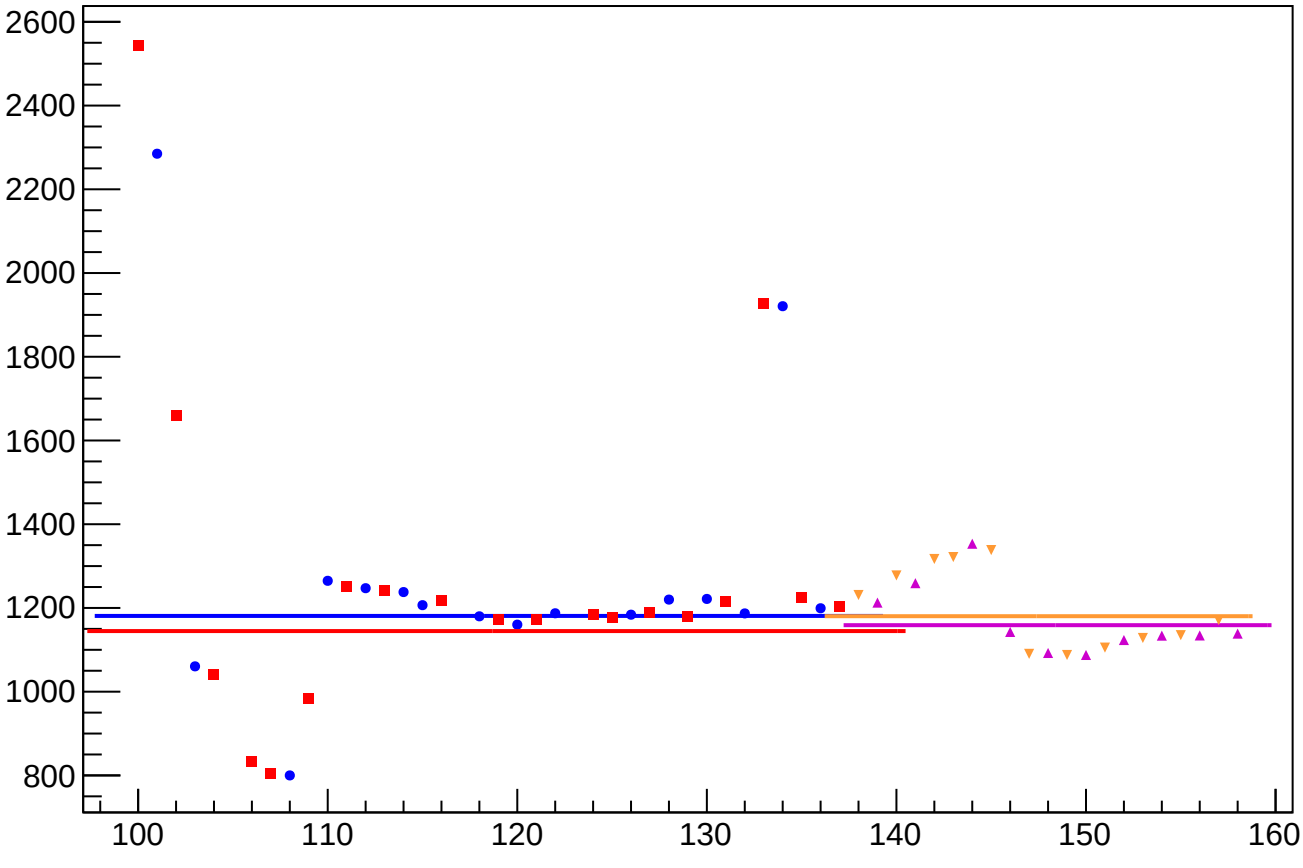
Left: 147.999+/-280.943 χ^2/NDF: 21.6/20

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -624.268+/-295.646 χ^2/NDF:14.8/25

Out: 360.379+/-294.897 χ^2/NDF:32.6/29

All: -130.696+/-208.788 χ^2/NDF: 53.0/55



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1180.301+/-0.284 χ^2/NDF:100577.8/10

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1158.856+/-0.278 χ^2/NDF:69938.5/9

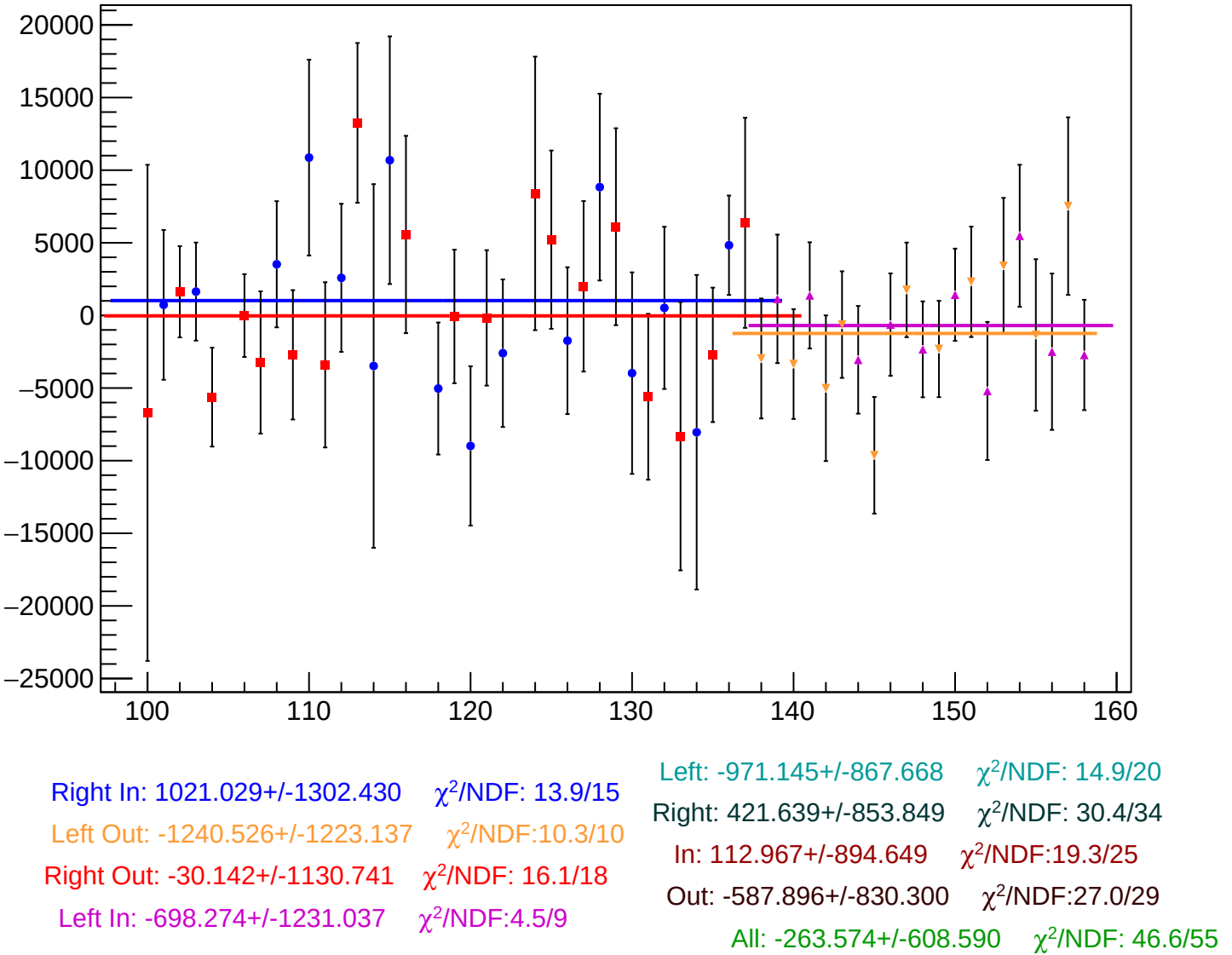
Left: 1169.350+/-0.199 χ^2/NDF: 173428.3/20

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1168.459+/-0.209 χ^2/NDF:694563.3/25

Out: 1163.923+/-0.208 χ^2/NDF:605522.5/29

All: 1166.185+/-0.148 χ^2/NDF: 1300321.7/55


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
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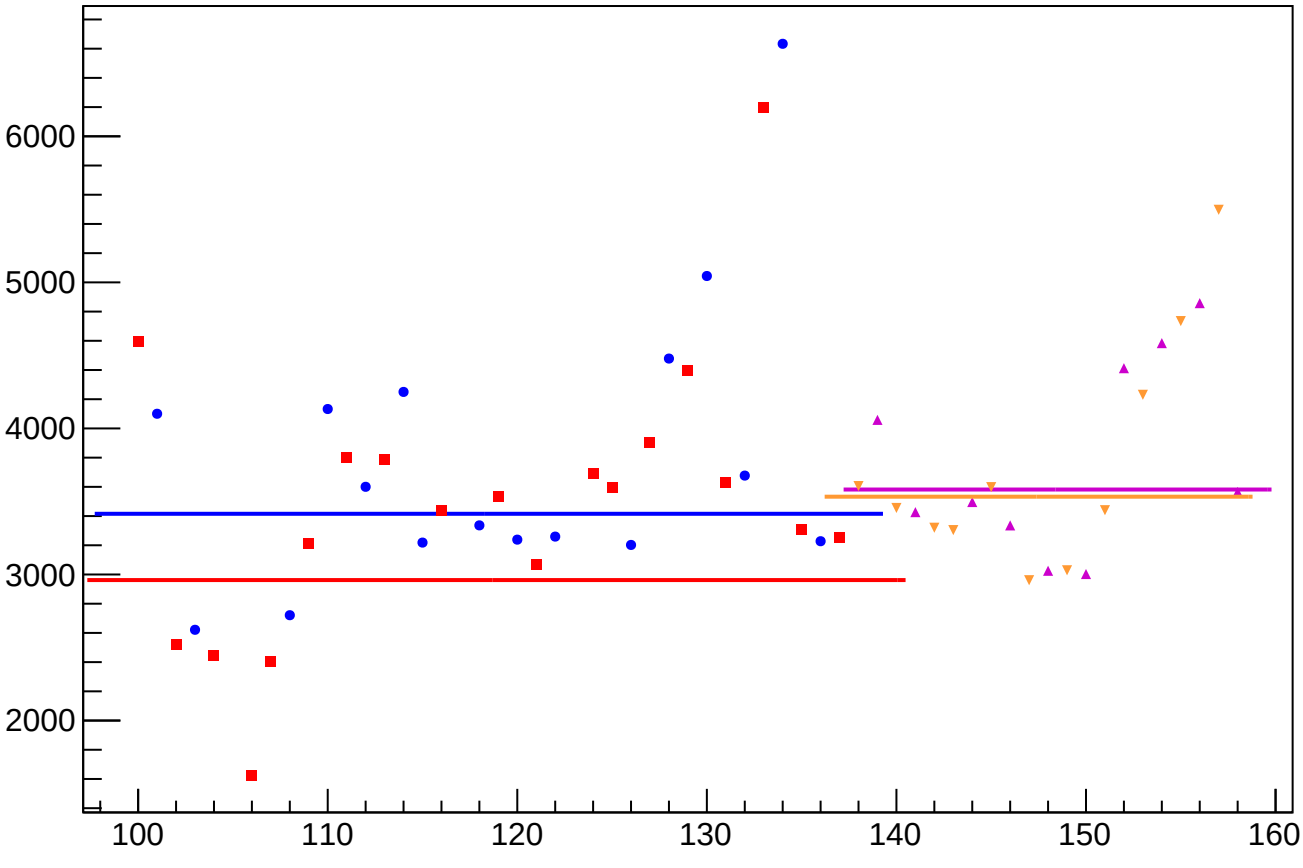
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -1240.526+/-1223.137 χ²/NDF:10.3/10
Right Out: -30.142+/-1130.741 χ²/NDF: 16.1/18
Left In: -698.274+/-1231.037 χ²/NDF:4.5/9
Left: -971.145+/-867.668 χ²/NDF: 14.9/20
Right: 421.639+/-853.849 χ²/NDF: 30.4/34
In: 112.967+/-894.649 χ²/NDF:19.3/25
Out: -587.896+/-830.300 χ²/NDF:27.0/29
All: -263.574+/-608.590 χ²/NDF: 46.6/55


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
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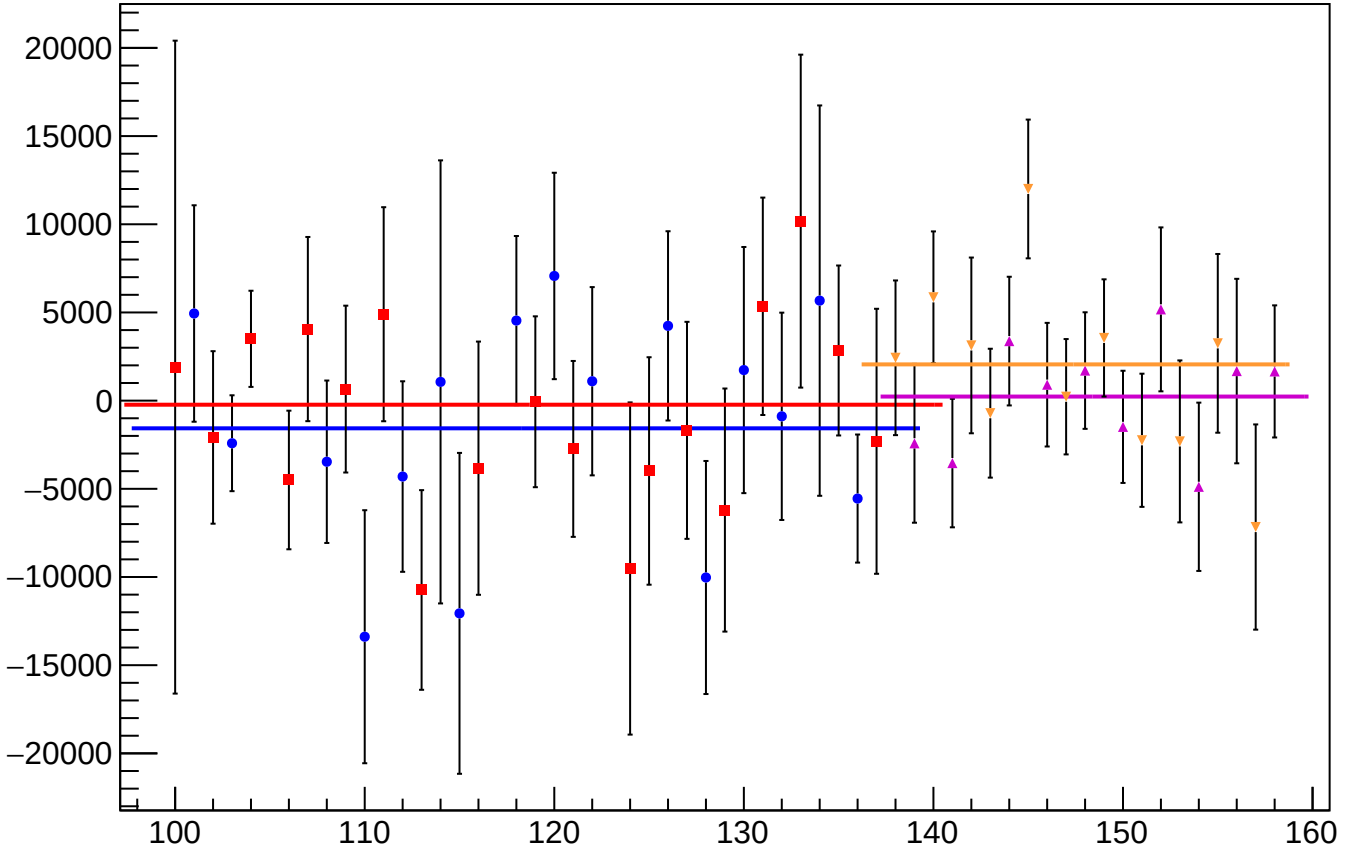
140
150
160
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3532.666+/-0.865 χ²/NDF:479574.1/10
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3581.725+/-0.870 χ²/NDF:418298.4/9
Left: 3557.038+/-0.614 χ²/NDF: 899470.9/20
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3503.336+/-0.633 χ²/NDF:1027824.5/25
Out: 3224.856+/-0.587 χ²/NDF:1883741.5/29
All: 3353.722+/-0.430 χ²/NDF: 3015676.0/55

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2055.156+/-1218.492 χ^2/NDF:13.3/10

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 231.111+/-1221.945 χ^2/NDF:5.2/9

Left: 1145.715+/-862.822 χ^2/NDF: 19.7/20

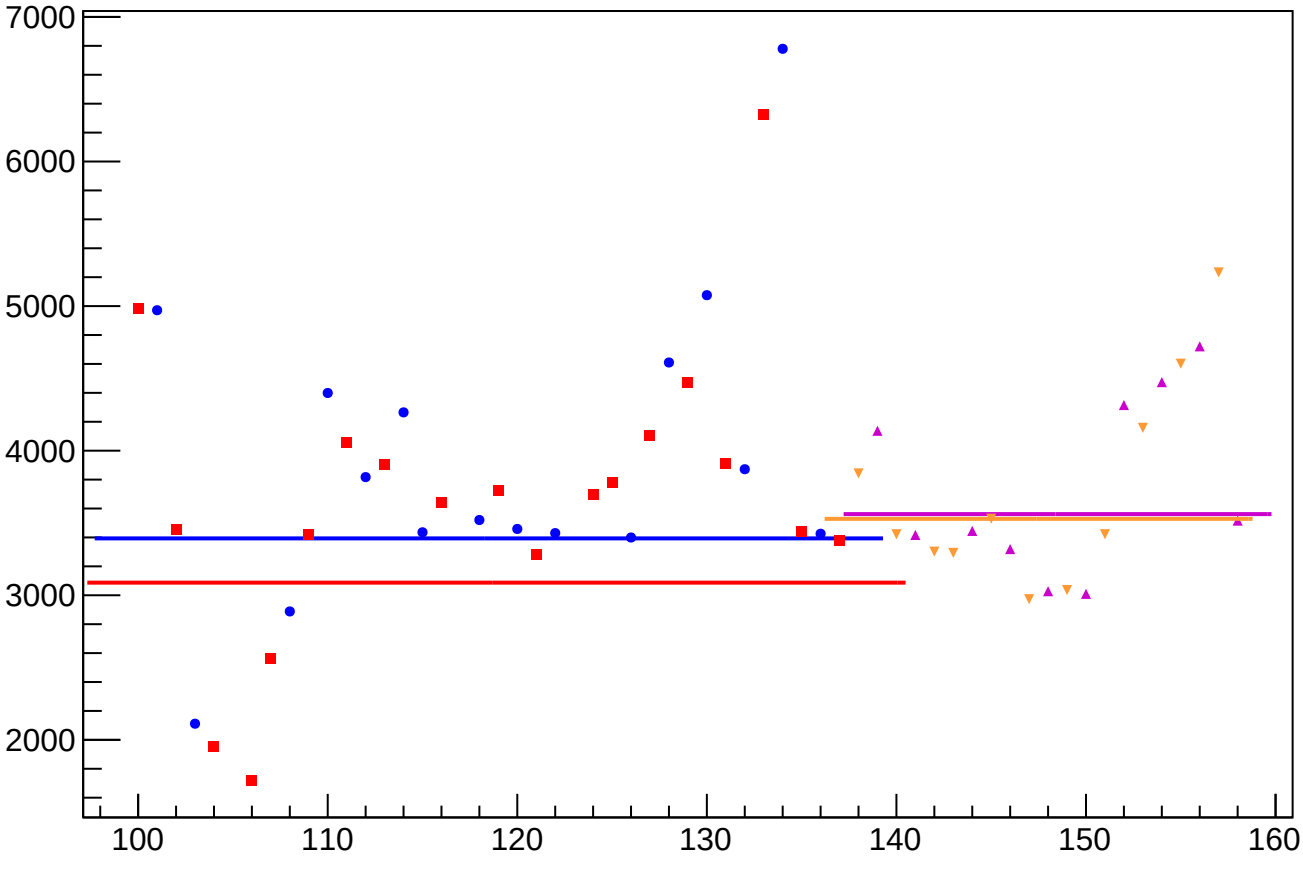
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -604.786+/-894.485 χ^2/NDF:20.7/25

Out: 917.468+/-863.656 χ^2/NDF:28.3/29

All: 183.025+/-621.310 χ^2/NDF: 50.5/55

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3528.496+/-0.862 χ^2/NDF:426569.6/10

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3561.359+/-0.864 χ^2/NDF:384350.1/9

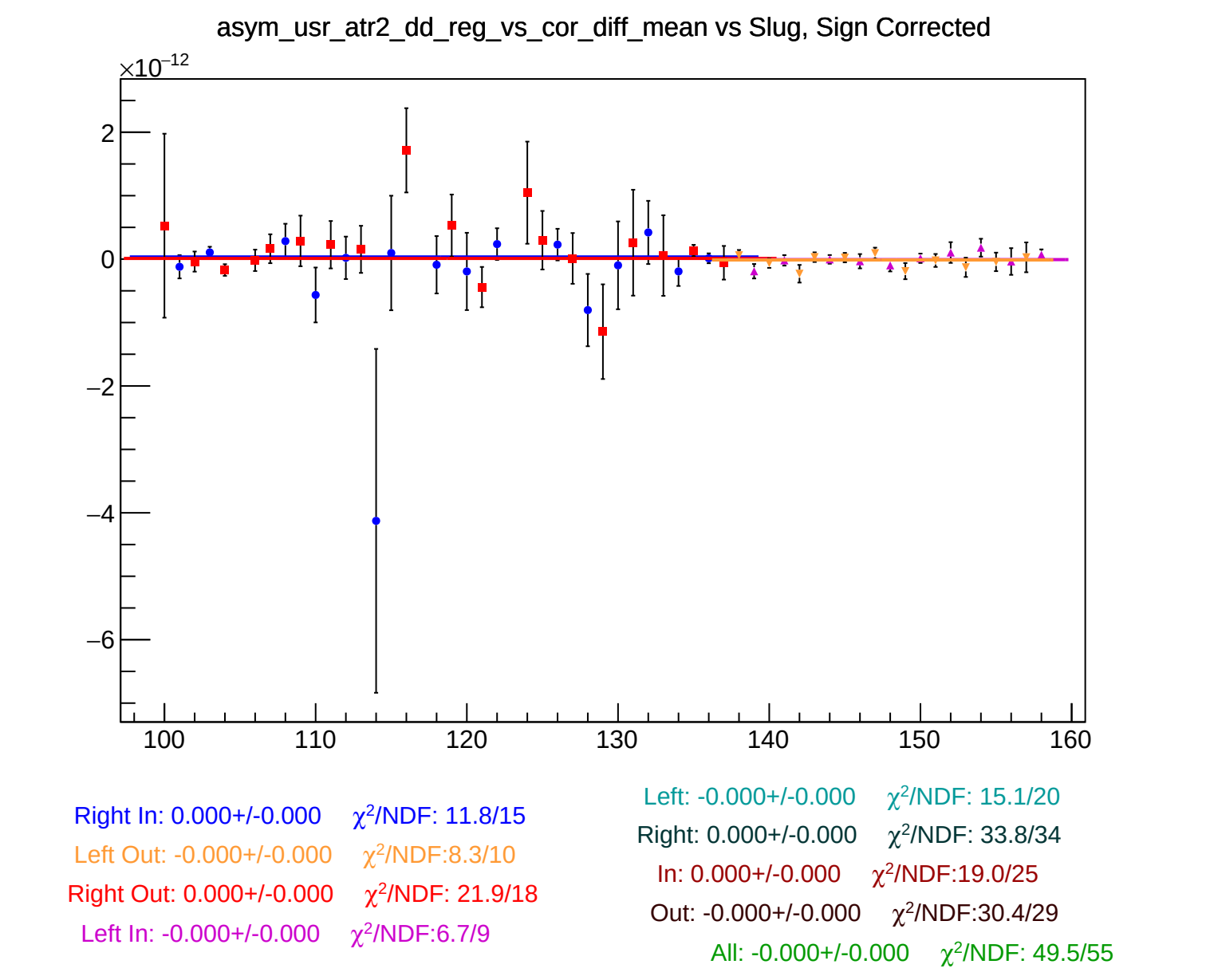
Left: 3544.881+/-0.610 χ^2/NDF: 811645.0/20

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3483.385+/-0.632 χ^2/NDF:1450603.5/25

Out: 3305.228+/-0.606 χ^2/NDF:1887615.3/29

All: 3390.429+/-0.437 χ^2/NDF: 3379614.9/55


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
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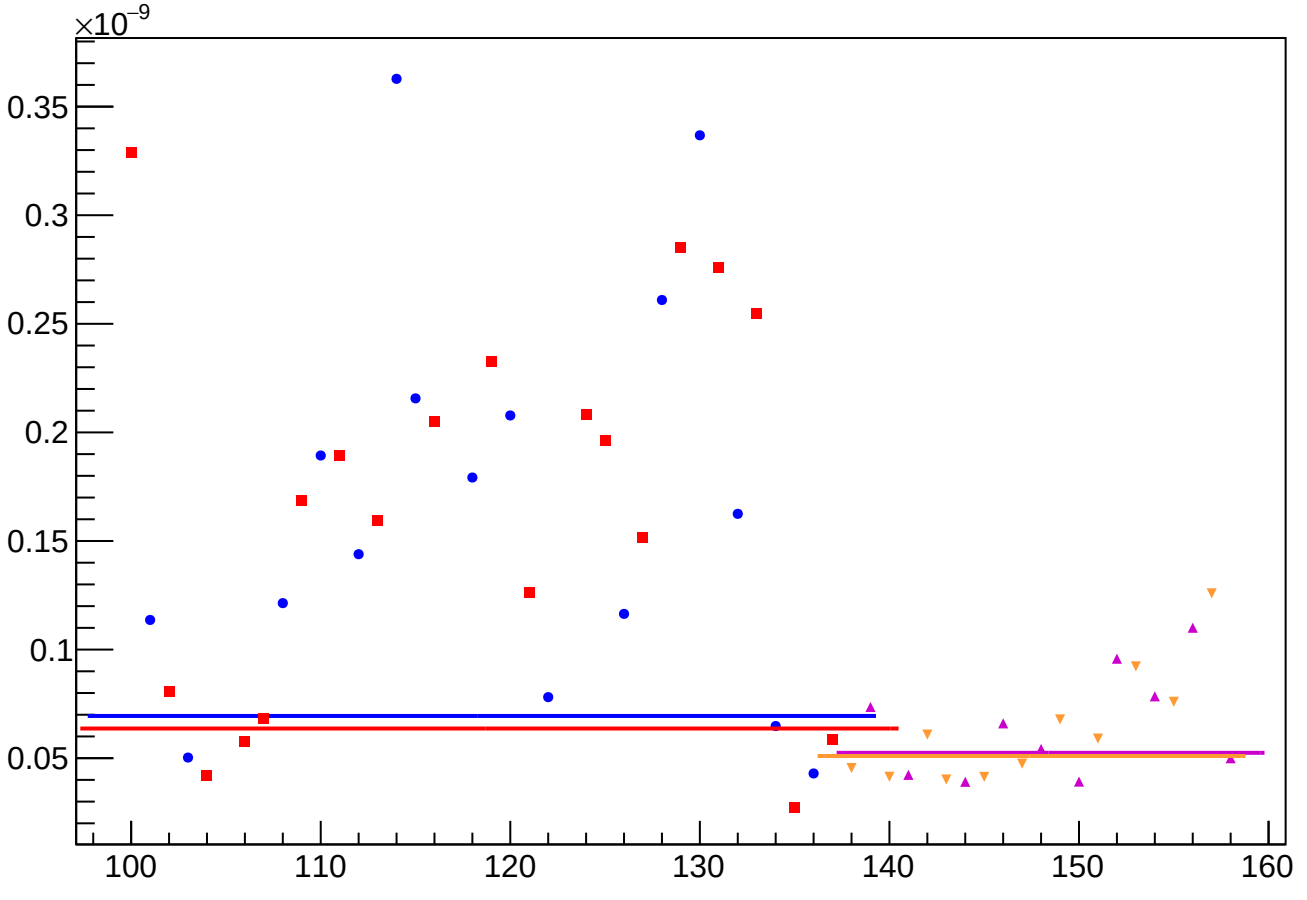
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:8.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/18
Left In: -0.000+/-0.000 χ²/NDF:6.7/9
Left: -0.000+/-0.000 χ²/NDF: 15.1/20
Right: 0.000+/-0.000 χ²/NDF: 33.8/34
In: 0.000+/-0.000 χ²/NDF:19.0/25
Out: -0.000+/-0.000 χ²/NDF:30.4/29
All: -0.000+/-0.000 χ²/NDF: 49.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:586681.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:629165.6/9

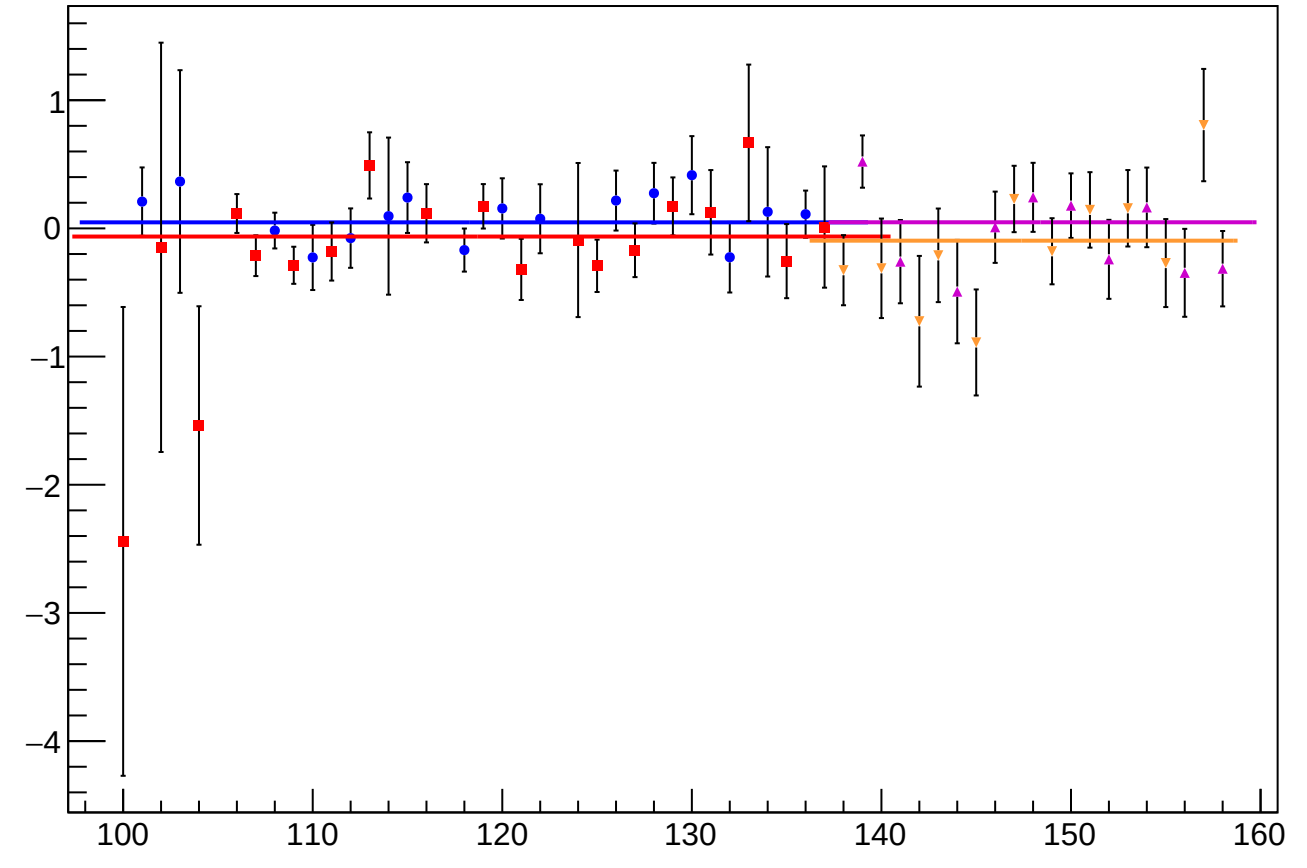
Left: 0.000+/-0.000 χ^2/NDF: 1218225.5/20

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2530922.3/25

Out: 0.000+/-0.000 χ^2/NDF:2932994.7/29

All: 0.000+/-0.000 χ^2/NDF: 5476844.6/55



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.096+/-0.098 χ^2/NDF:13.9/10

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.048+/-0.090 χ^2/NDF:12.8/9

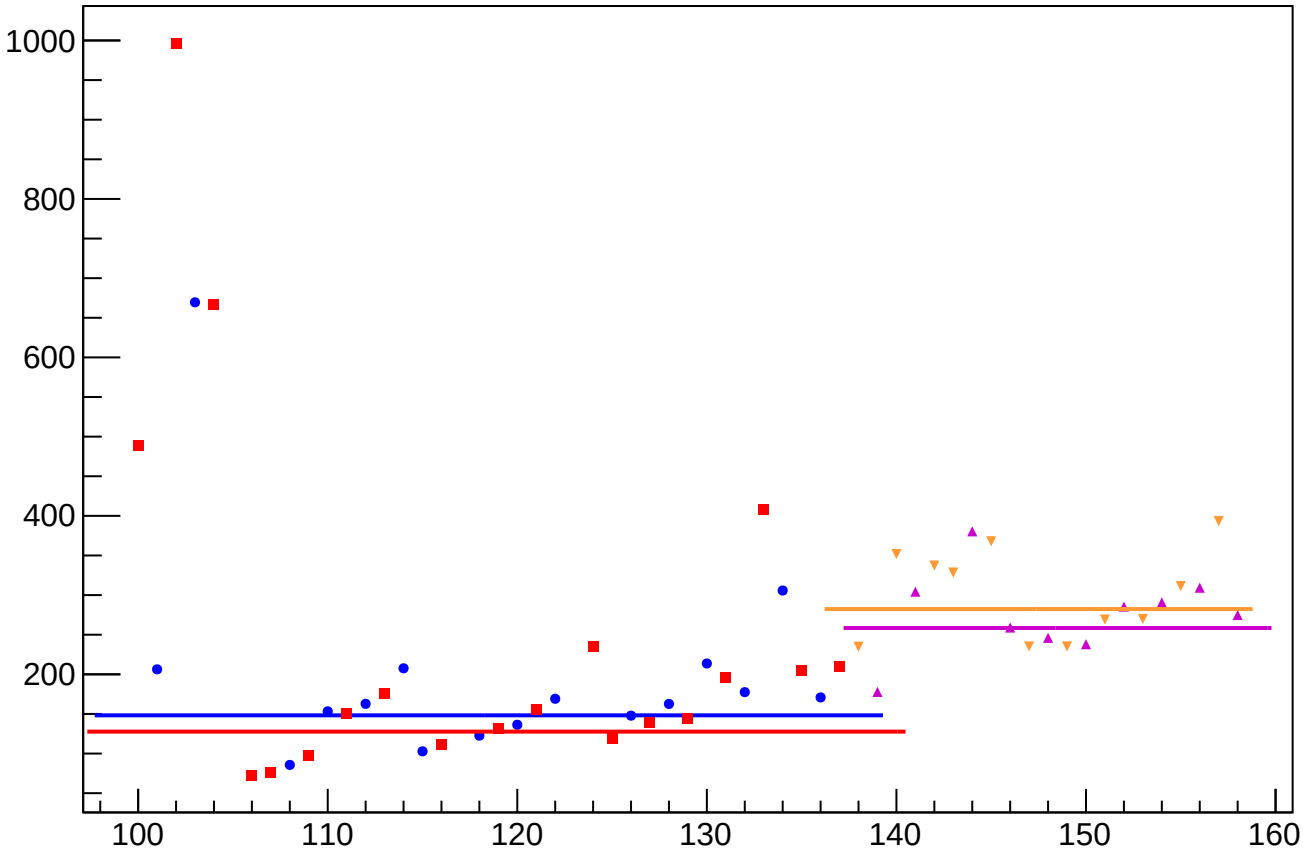
Left: -0.018+/-0.066 χ^2/NDF: 27.8/20

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.050 χ^2/NDF:21.3/25

Out: -0.071+/-0.048 χ^2/NDF:36.2/29

All: -0.015+/-0.035 χ^2/NDF: 60.4/55



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 282.365+/-0.069 χ^2/NDF:548620.4/10

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.481+/-0.064 χ^2/NDF:640343.3/9

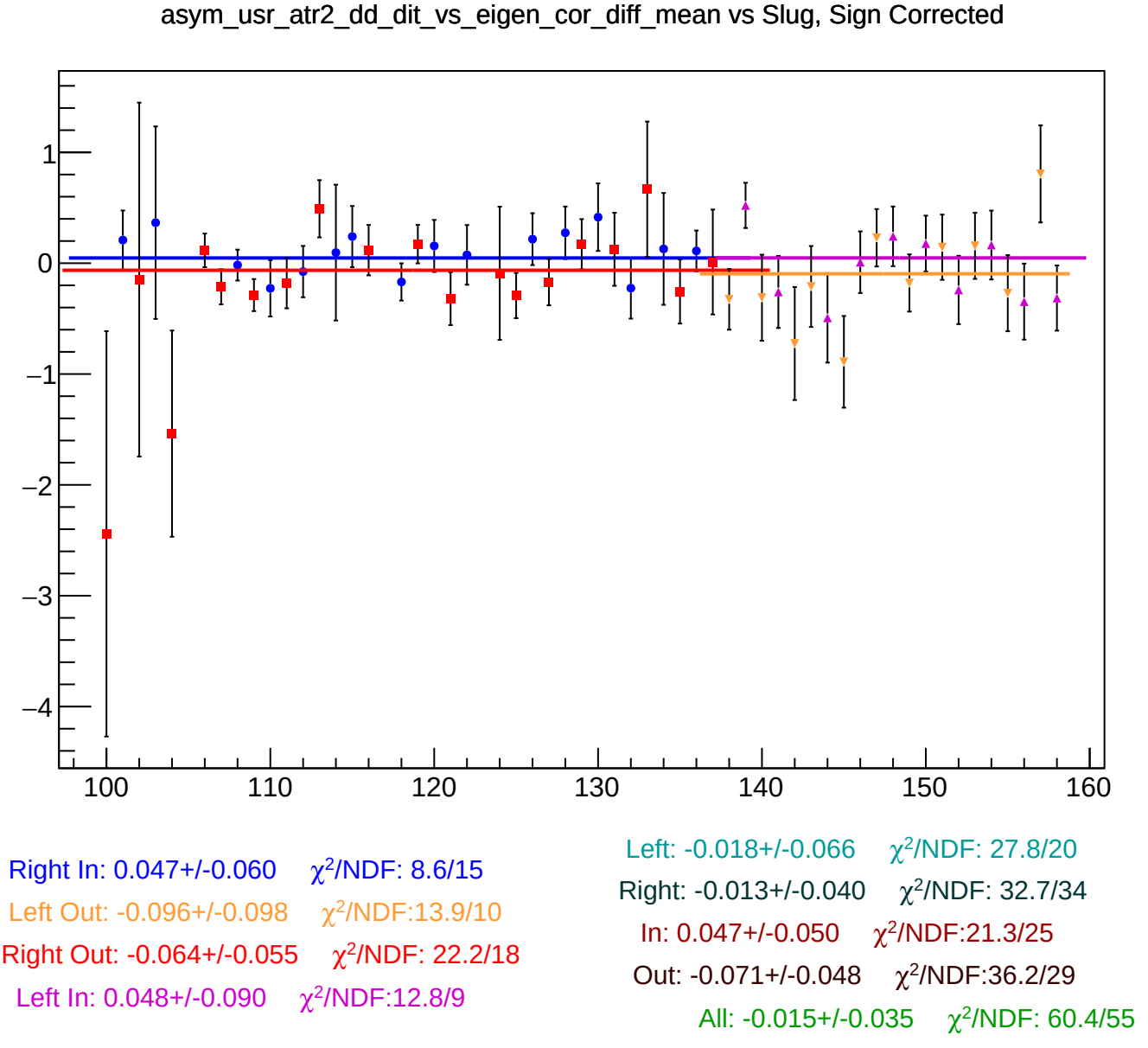
Left: 269.396+/-0.047 χ^2/NDF: 1253155.8/20

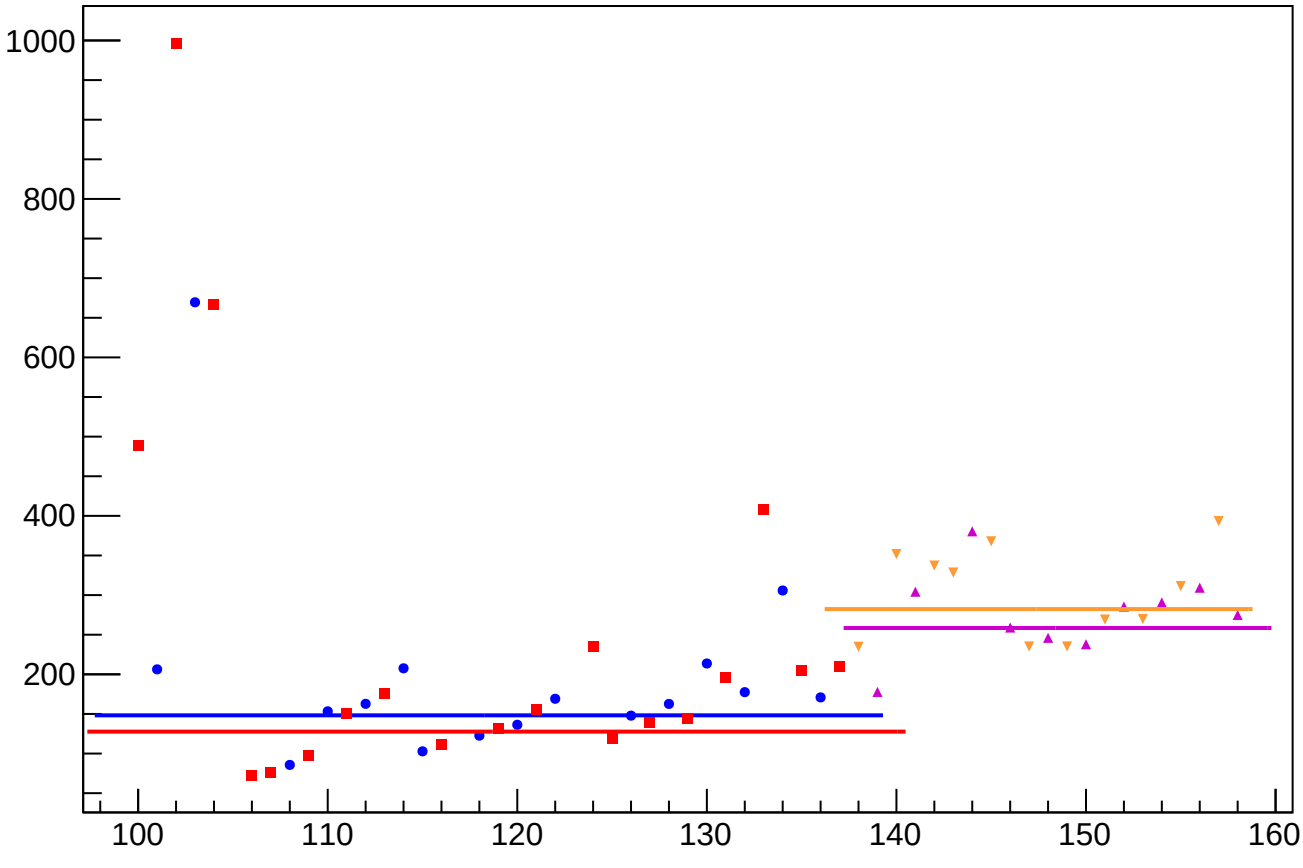
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 182.119+/-0.035 χ^2/NDF:4423323.3/25

Out: 164.260+/-0.034 χ^2/NDF:7176553.6/29

All: 172.789+/-0.024 χ^2/NDF: 11733392.8/55


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.096+/-0.098 χ²/NDF:13.9/10
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.048+/-0.090 χ²/NDF:12.8/9
Left: -0.018+/-0.066 χ²/NDF: 27.8/20
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.047+/-0.050 χ²/NDF:21.3/25
Out: -0.071+/-0.048 χ²/NDF:36.2/29
All: -0.015+/-0.035 χ²/NDF: 60.4/55



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 282.365+/-0.069 χ^2/NDF:548620.4/10

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.481+/-0.064 χ^2/NDF:640343.3/9

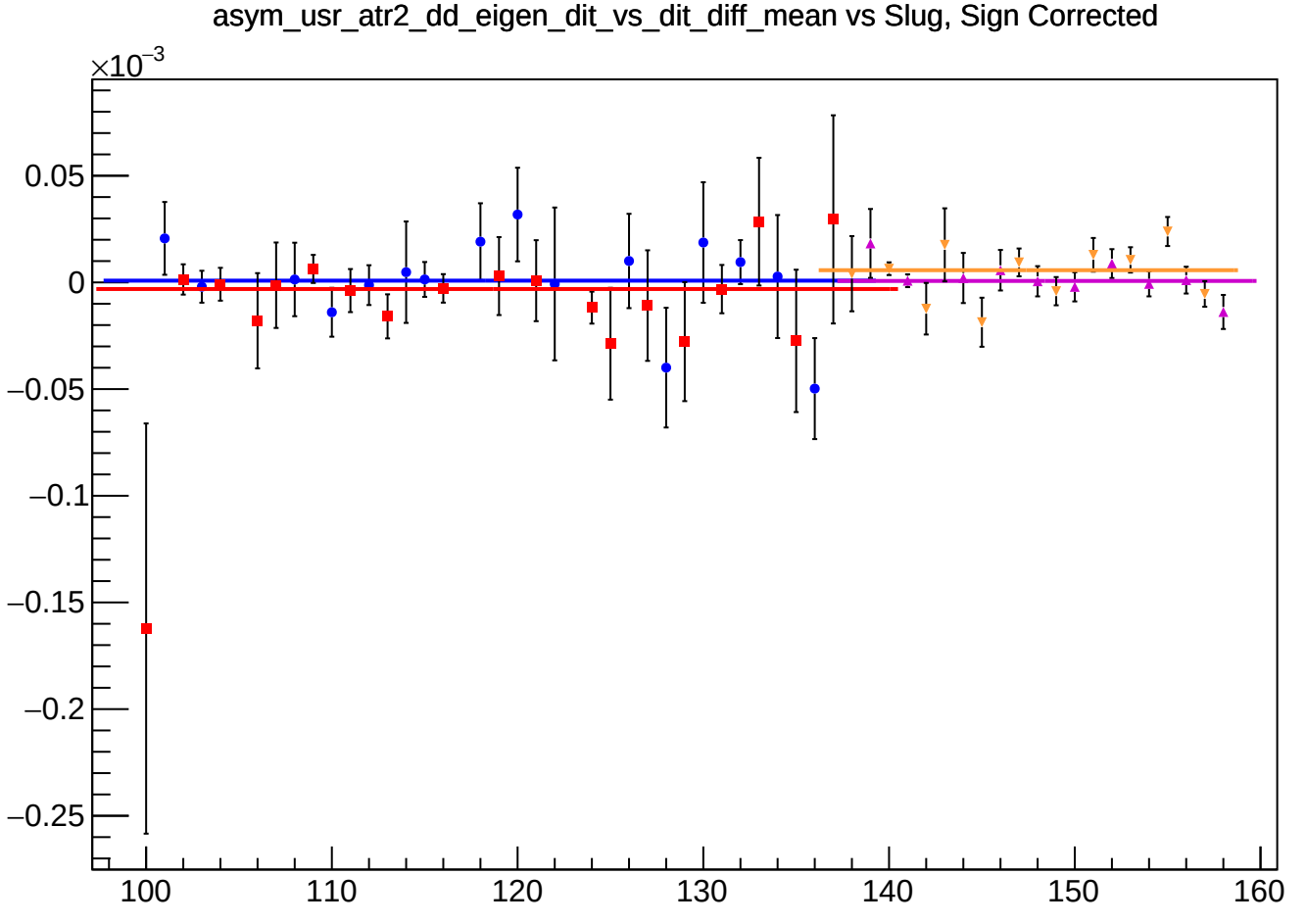
Left: 269.396+/-0.047 χ^2/NDF: 1253155.8/20

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 182.119+/-0.035 χ^2/NDF:4423323.3/25

Out: 164.260+/-0.034 χ^2/NDF:7176553.6/29

All: 172.789+/-0.024 χ^2/NDF: 11733392.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/9

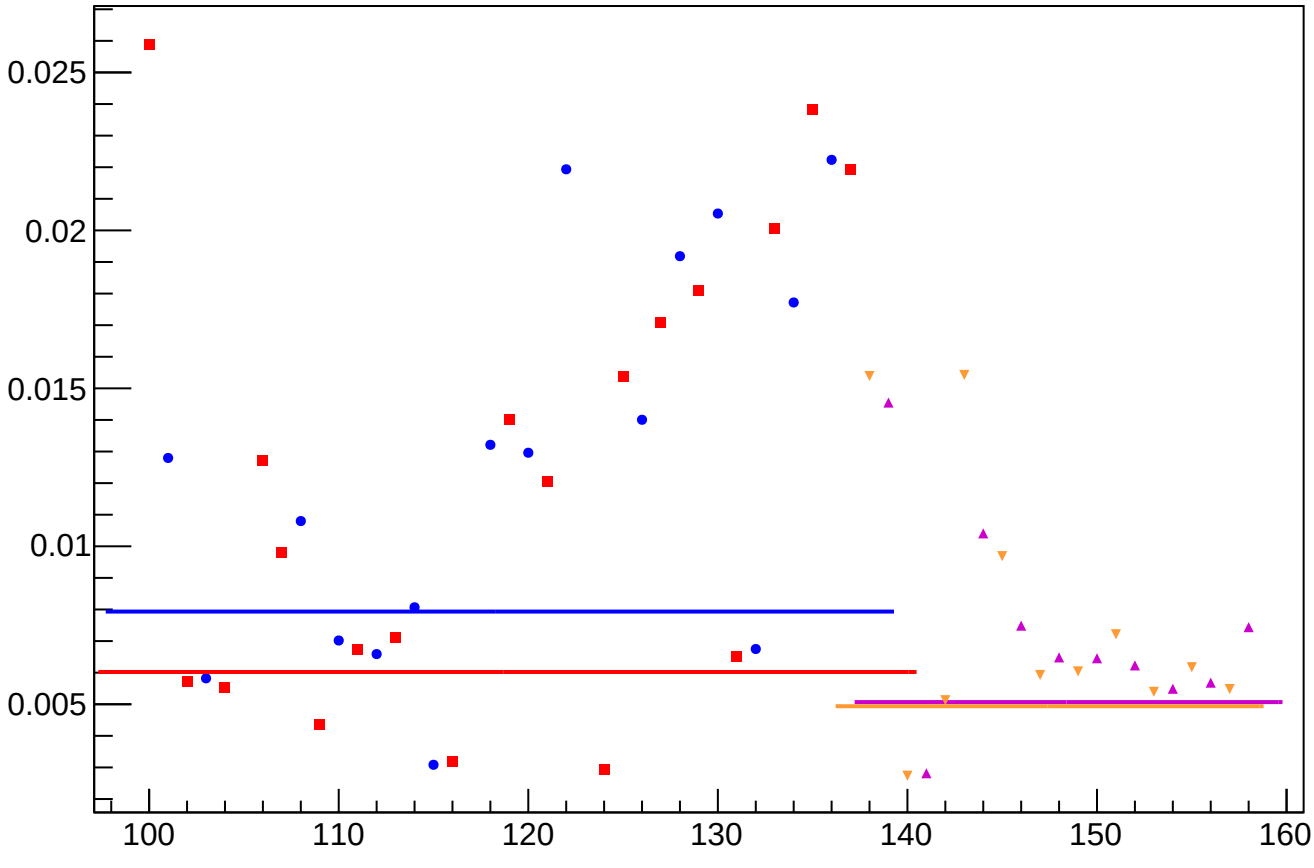
Left: 0.000+/-0.000 χ^2/NDF: 31.7/20

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:20.7/25

Out: 0.000+/-0.000 χ^2/NDF:41.9/29

All: 0.000+/-0.000 χ^2/NDF: 63.3/55



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3241255.8/10

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2785172.9/9

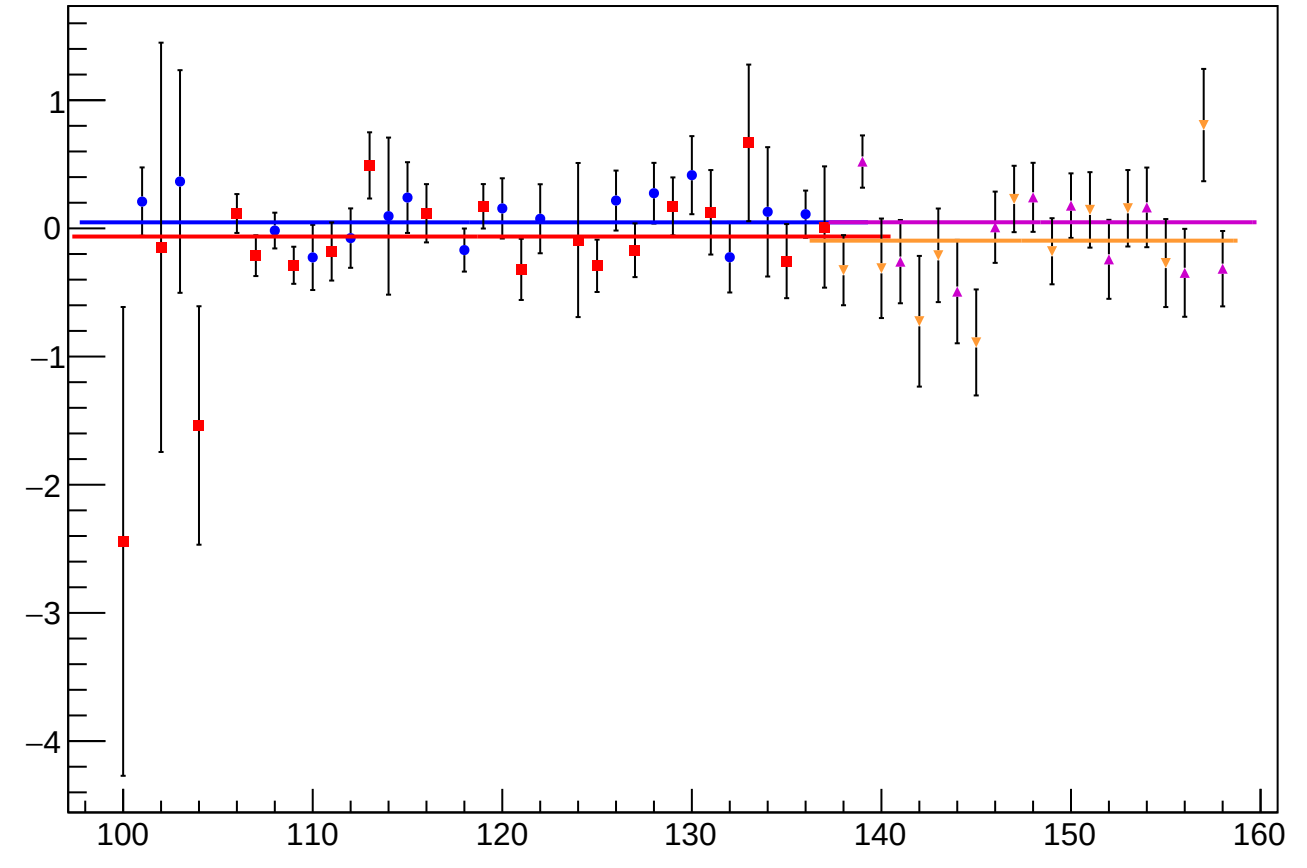
Left: 0.005+/-0.000 χ^2/NDF: 6031057.7/20

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7406446.0/25

Out: 0.005+/-0.000 χ^2/NDF:7472459.1/29

All: 0.006+/-0.000 χ^2/NDF: 14952628.3/55



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.096+/-0.098 χ^2/NDF:13.9/10

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.048+/-0.090 χ^2/NDF:12.8/9

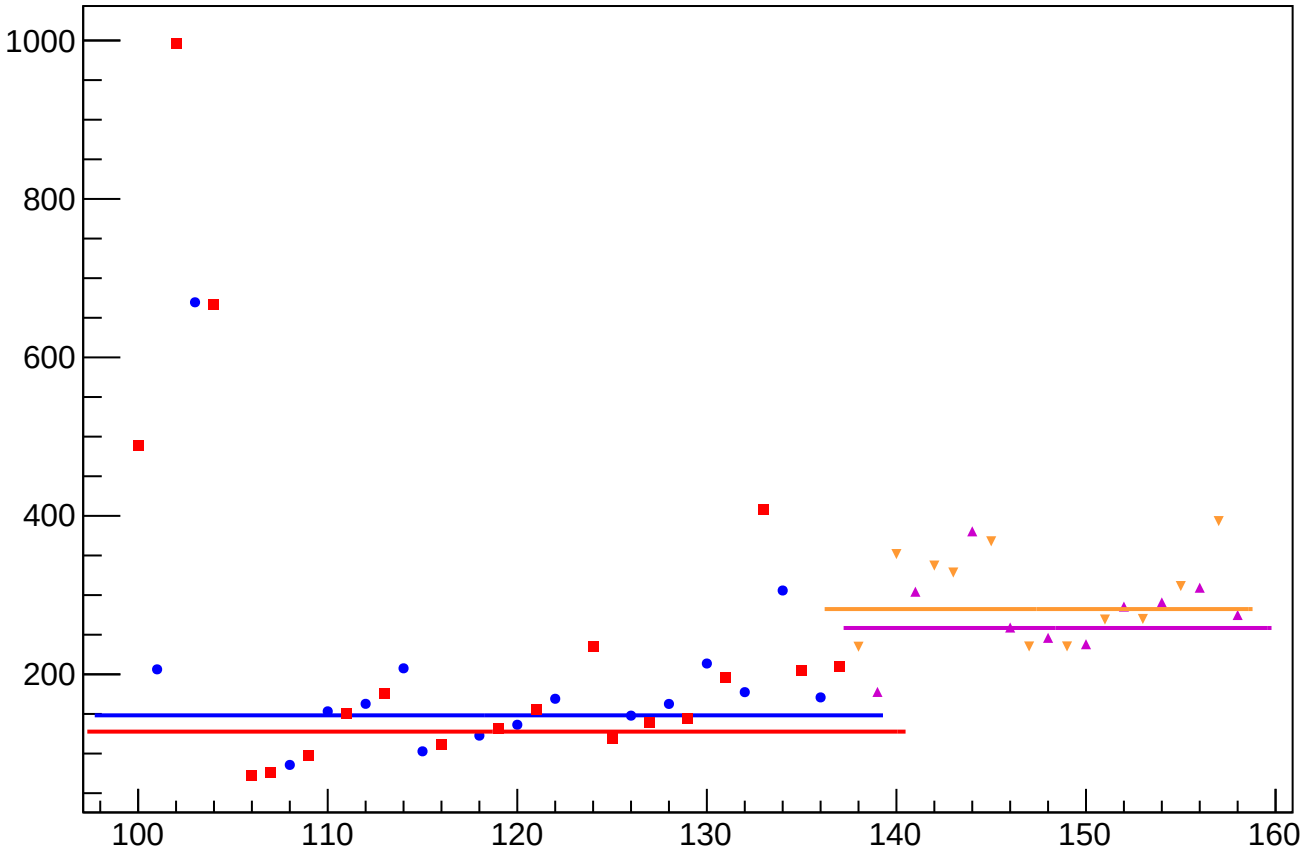
Left: -0.018+/-0.066 χ^2/NDF: 27.8/20

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.050 χ^2/NDF:21.3/25

Out: -0.071+/-0.048 χ^2/NDF:36.2/29

All: -0.015+/-0.035 χ^2/NDF: 60.4/55



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 282.368+/-0.069 χ^2/NDF:548583.8/10

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.484+/-0.064 χ^2/NDF:640298.3/9

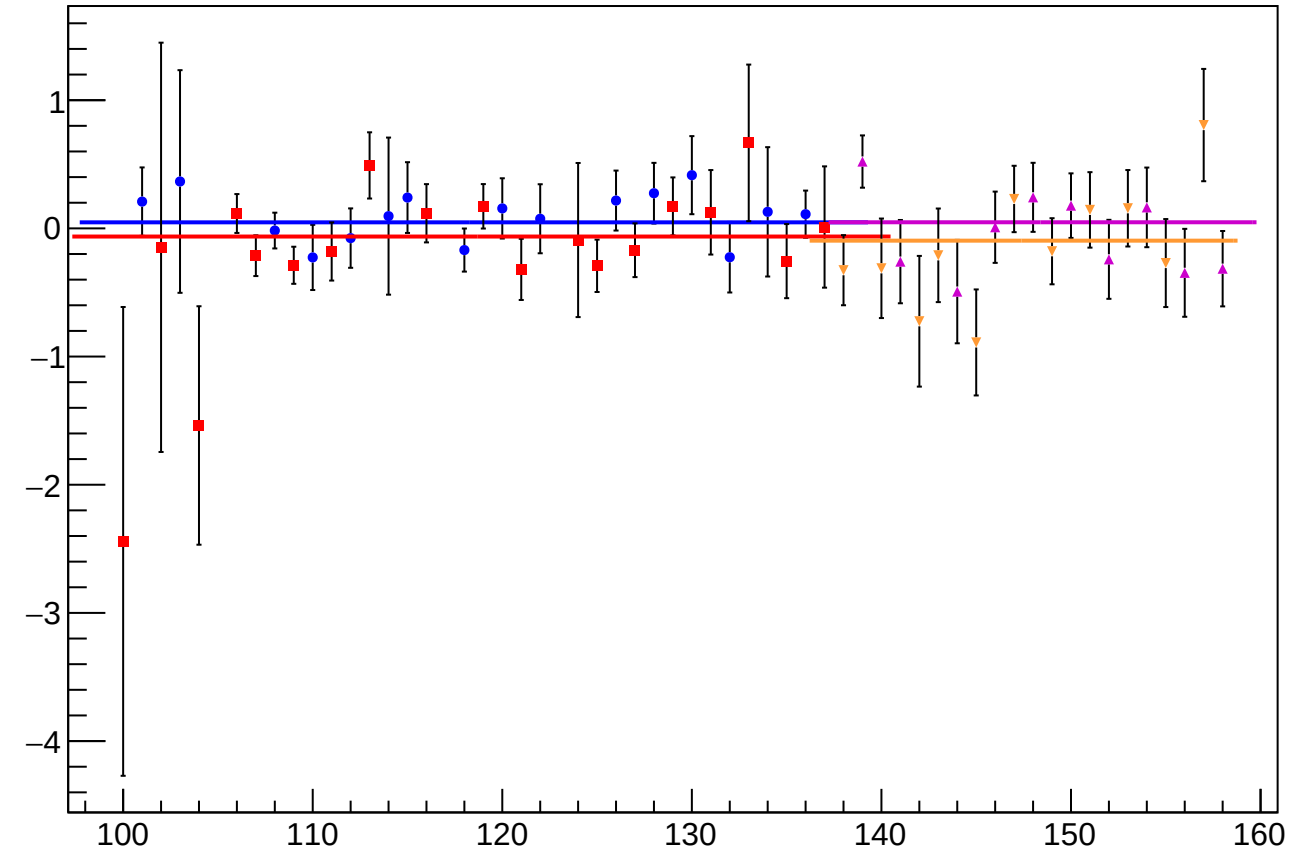
Left: 269.399+/-0.047 χ^2/NDF: 1253072.9/20

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 182.118+/-0.035 χ^2/NDF:4423545.4/25

Out: 164.260+/-0.034 χ^2/NDF:7176593.7/29

All: 172.789+/-0.024 χ^2/NDF: 11733624.0/55



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.096+/-0.098 χ^2/NDF:13.9/10

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.048+/-0.090 χ^2/NDF:12.8/9

Left: -0.018+/-0.066 χ^2/NDF: 27.8/20

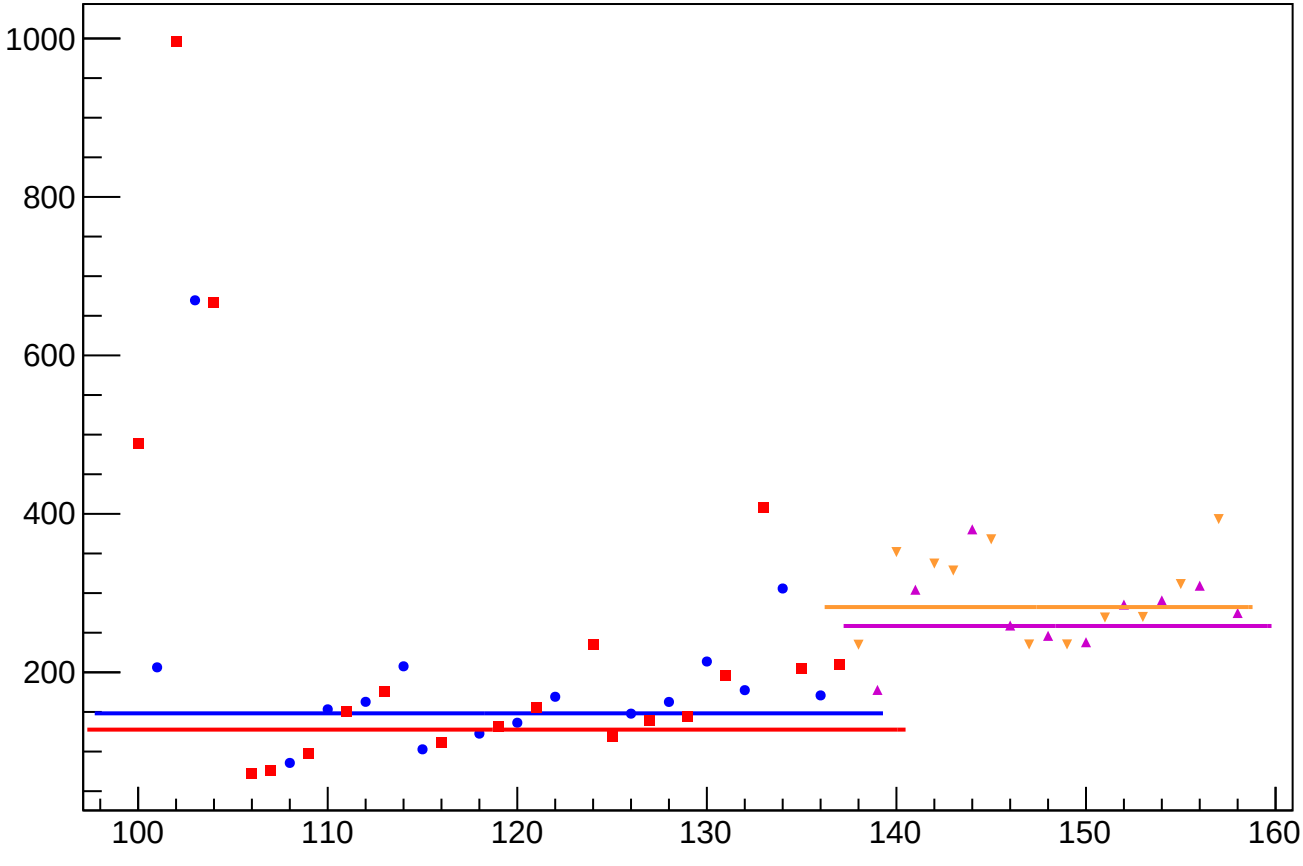
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.047+/-0.050 χ^2/NDF:21.3/25

Out: -0.071+/-0.048 χ^2/NDF:36.2/29

All: -0.015+/-0.035 χ^2/NDF: 60.4/55

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: 282.368+/-0.069 χ^2/NDF:548583.8/10

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.484+/-0.064 χ^2/NDF:640298.3/9

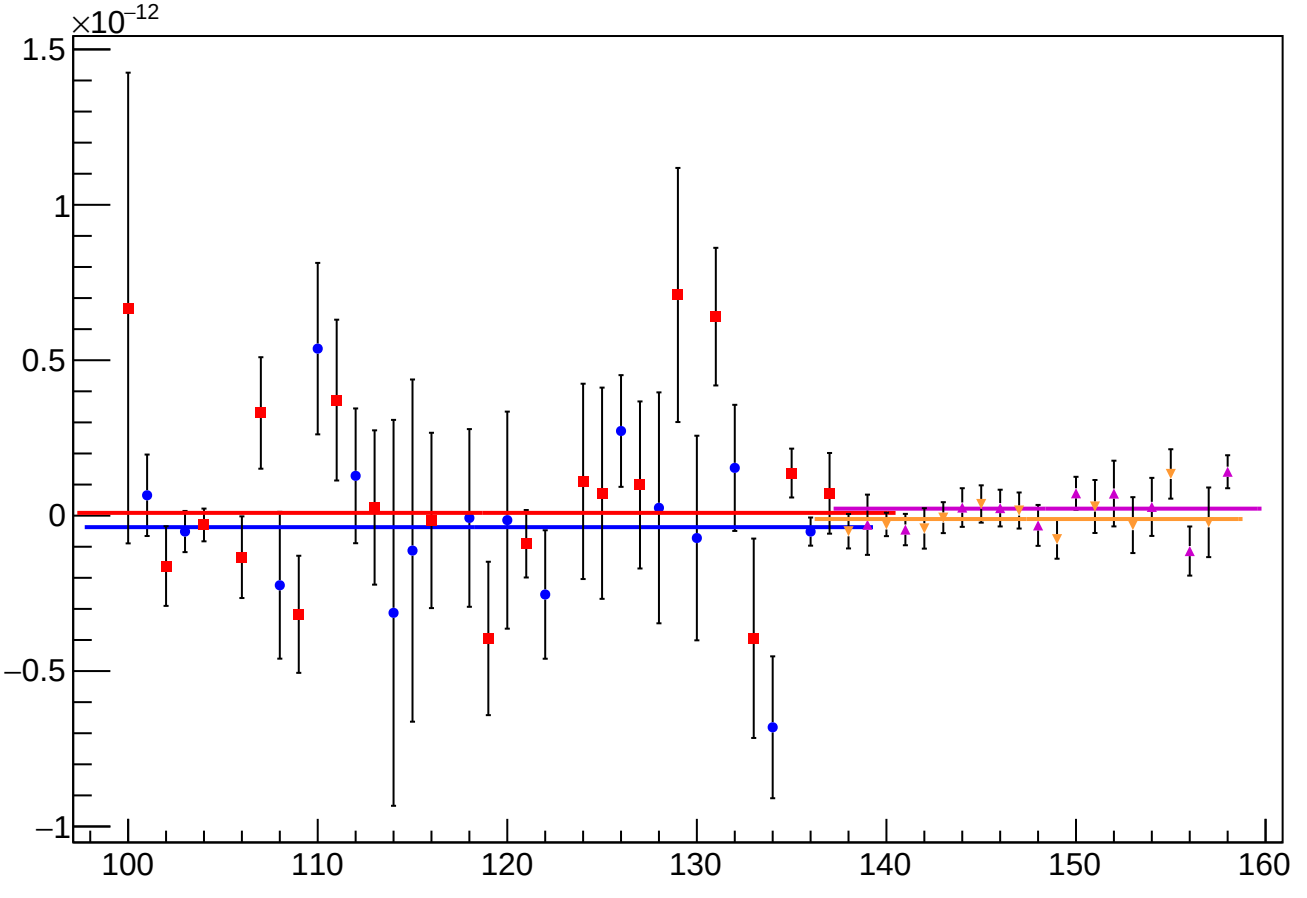
Left: 269.399+/-0.047 χ^2/NDF: 1253072.9/20

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 182.118+/-0.035 χ^2/NDF:4423545.4/25

Out: 164.260+/-0.034 χ^2/NDF:7176593.7/29

All: 172.789+/-0.024 χ^2/NDF: 11733624.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/9

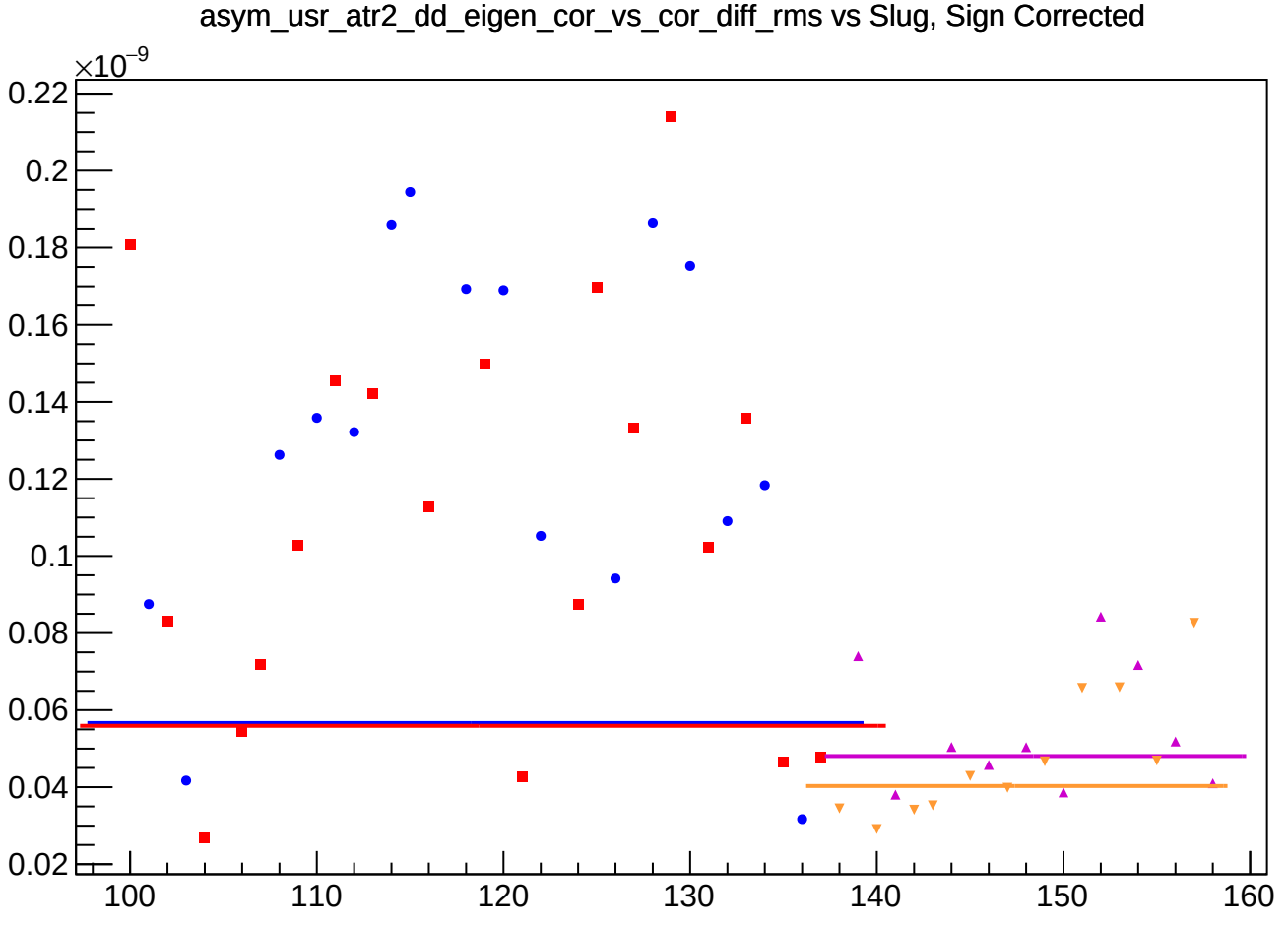
Left: 0.000+/-0.000 χ^2/NDF: 19.8/20

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:33.7/25

Out: -0.000+/-0.000 χ^2/NDF:38.5/29

All: -0.000+/-0.000 χ^2/NDF: 72.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:902093.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:696447.4/9

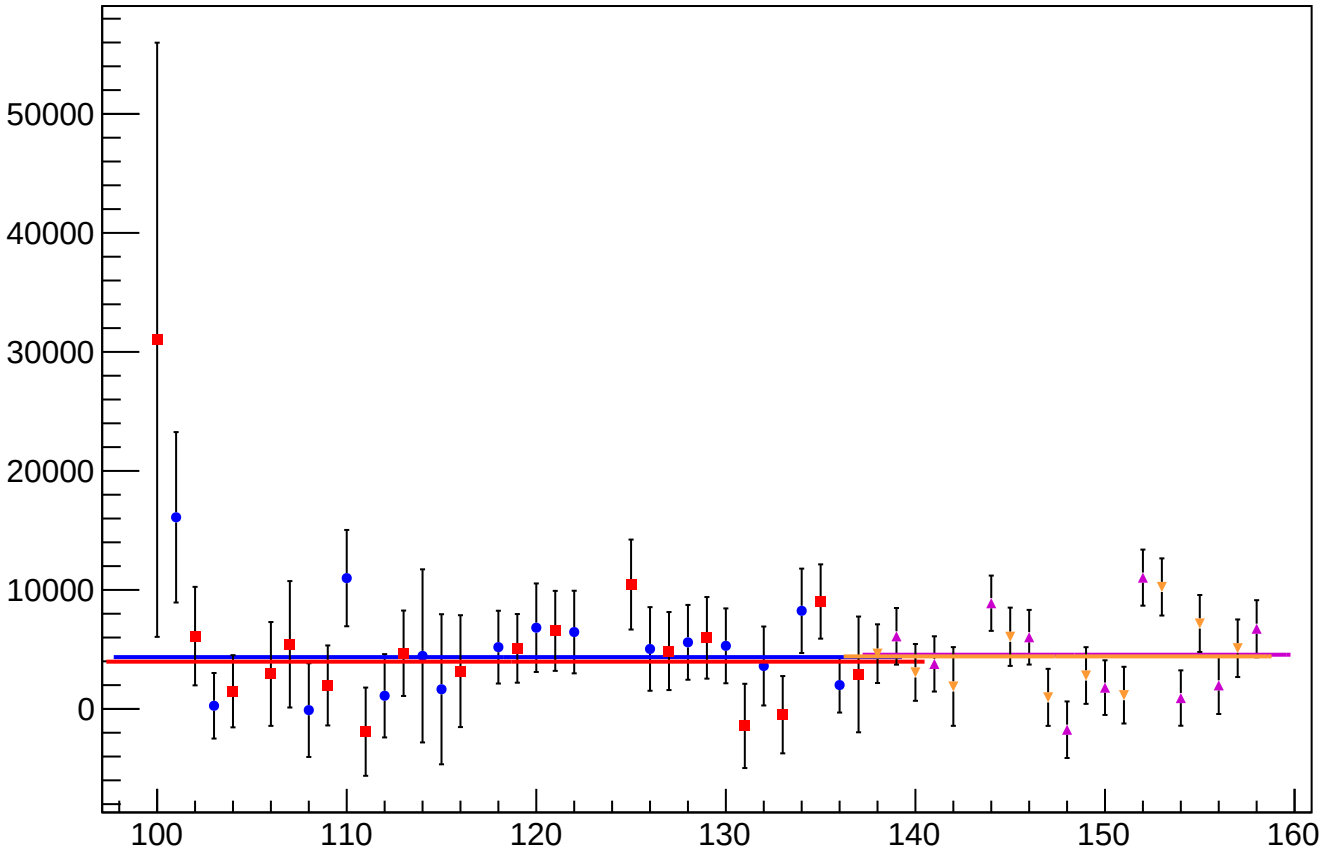
Left: 0.000+/-0.000 χ^2/NDF: 1757692.3/20

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3910391.2/25

Out: 0.000+/-0.000 χ^2/NDF:3994290.2/29

All: 0.000+/-0.000 χ^2/NDF: 8054479.6/55



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4414.793+/-780.031 χ^2/NDF:13.1/9

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4555.373+/-742.162 χ^2/NDF:24.9/9

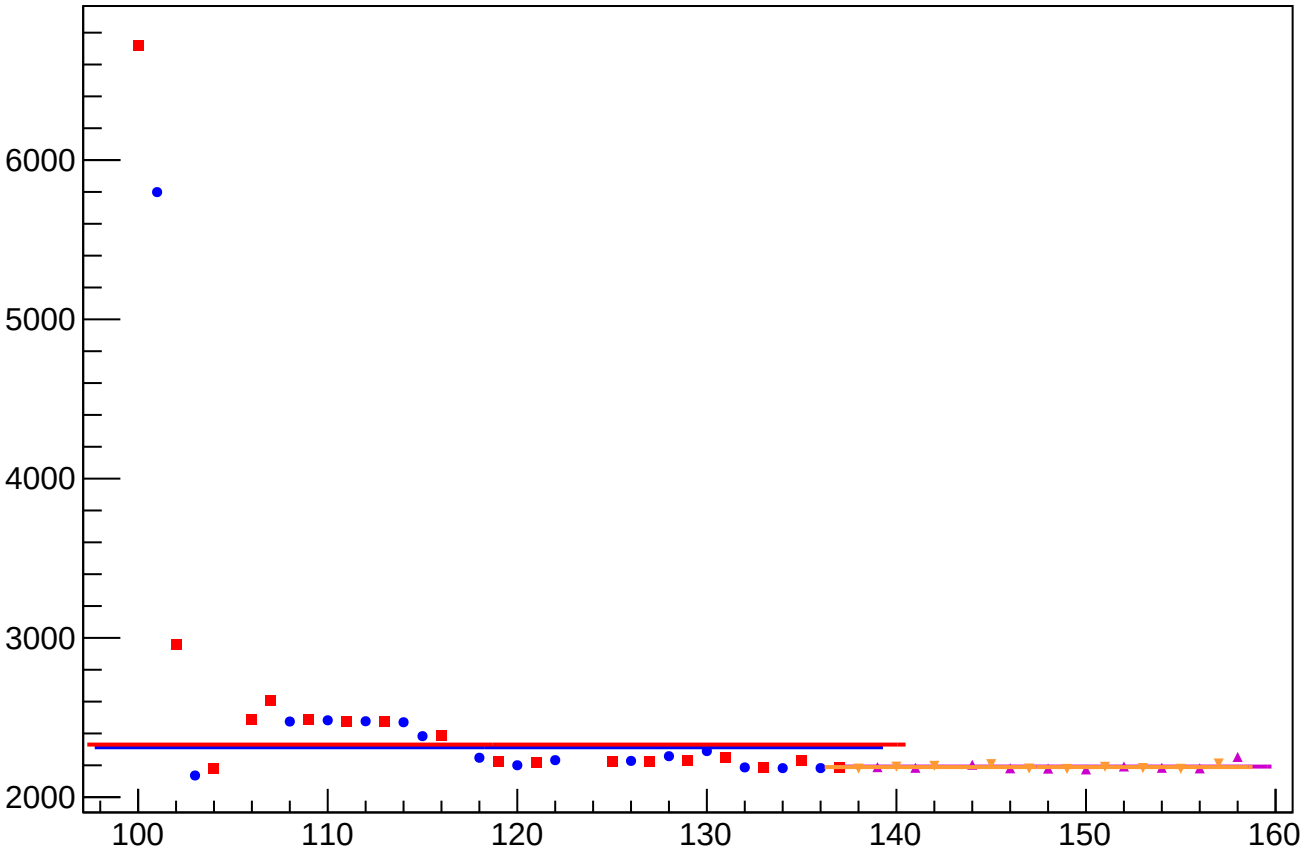
Left: 4488.578+/-537.677 χ^2/NDF: 38.0/19

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4471.281+/-566.031 χ^2/NDF:38.3/25

Out: 4217.654+/-581.165 χ^2/NDF:29.4/27

All: 4347.813+/-405.489 χ^2/NDF: 67.8/53



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.920+/-0.552 χ^2/NDF:458.7/9

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

Left: 2190.570+/-0.380 χ^2/NDF: 2110.2/19

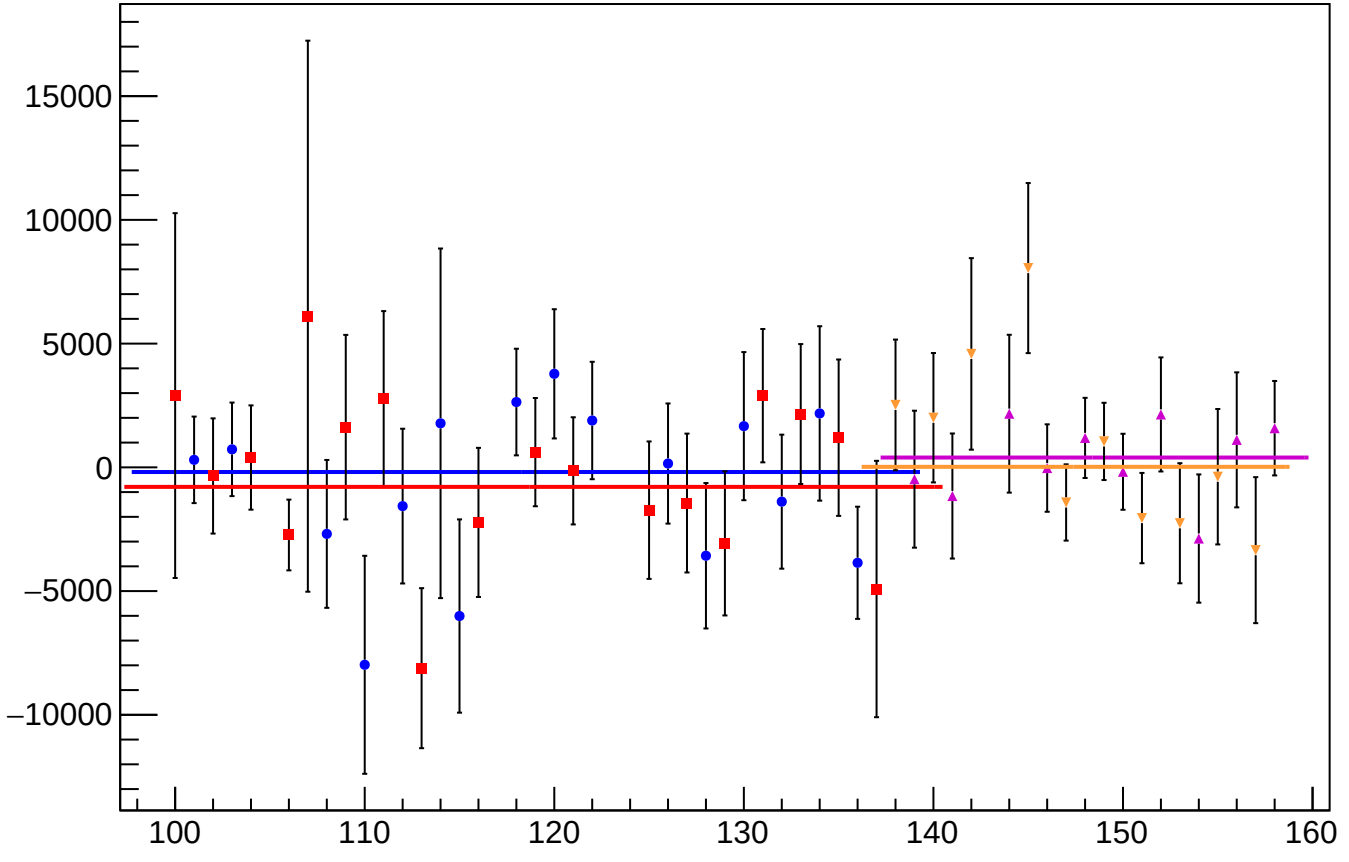
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2242.827+/-0.400 χ^2/NDF:536373.5/25

Out: 2251.775+/-0.411 χ^2/NDF:180859.0/27

All: 2247.183+/-0.287 χ^2/NDF: 717475.8/53

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 20.690+/-708.603 χ^2/NDF:13.1/9

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 396.656+/-665.498 χ^2/NDF:3.8/9

Left: 220.455+/-485.101 χ^2/NDF: 17.1/19

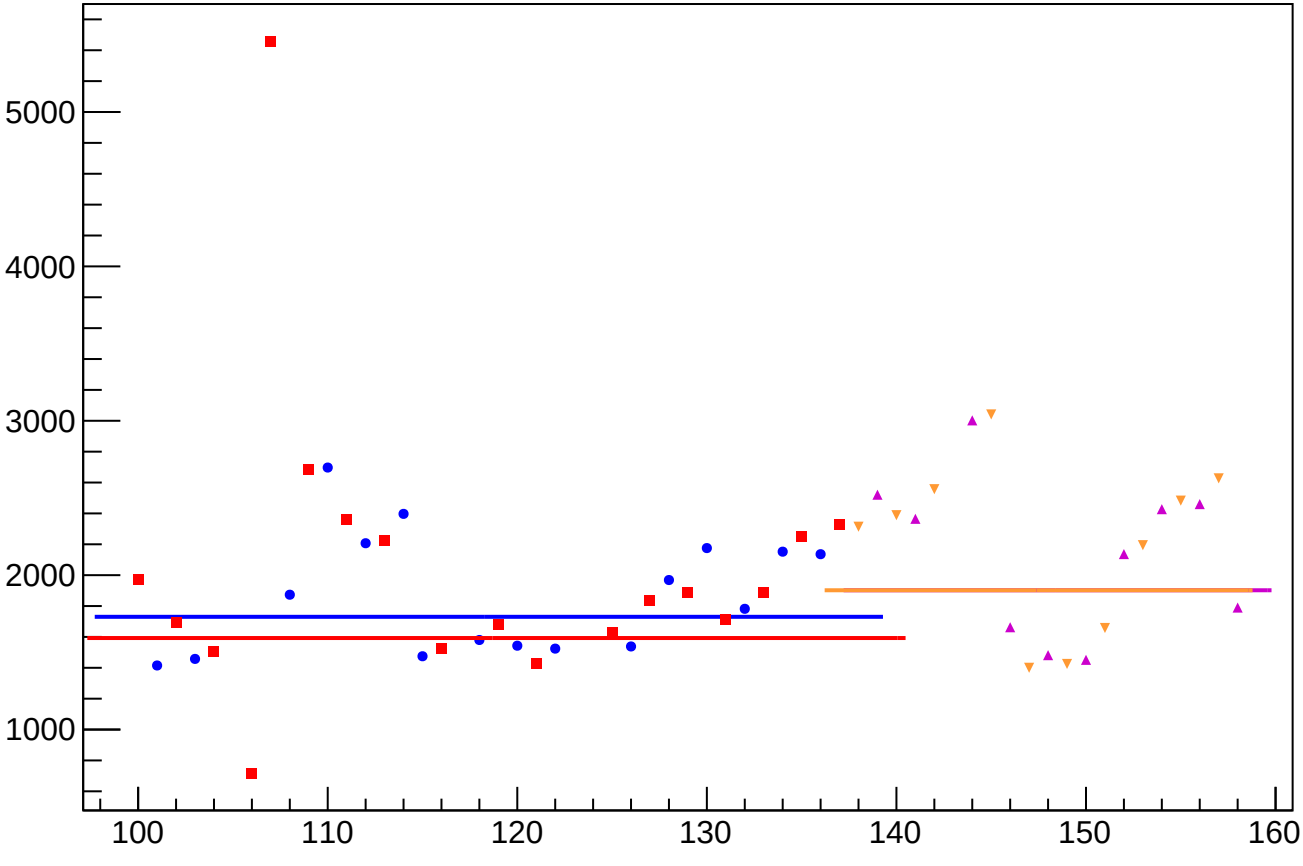
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 100.830+/-468.025 χ^2/NDF:20.7/25

Out: -428.616+/-472.859 χ^2/NDF:28.8/27

All: -161.172+/-332.640 χ^2/NDF: 50.1/53

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: 1902.200+/-0.501 χ^2/NDF:1069717.1/9

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1902.227+/-0.471 χ^2/NDF:942686.8/9

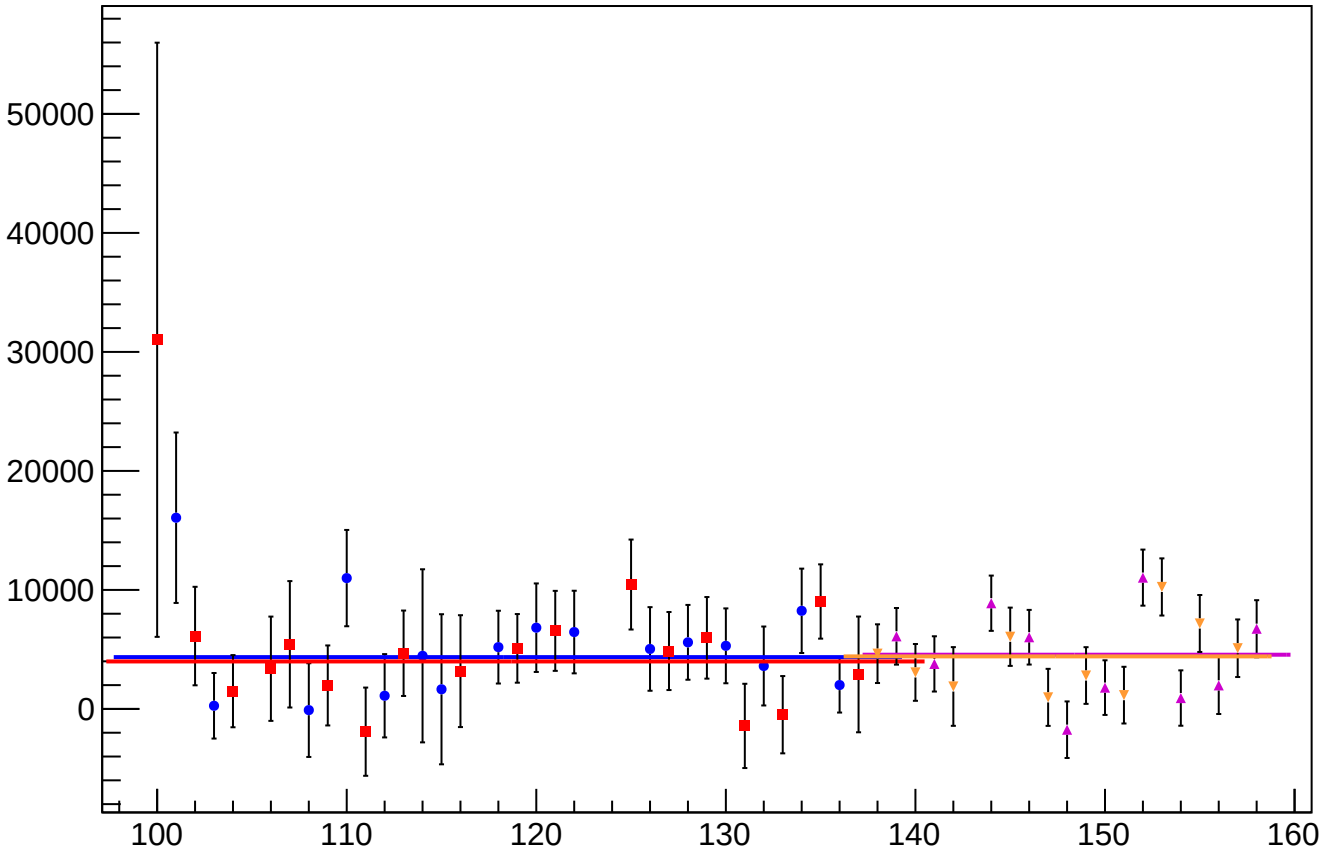
Left: 1902.215+/-0.343 χ^2/NDF: 2012403.8/19

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1815.327+/-0.331 χ^2/NDF:1489092.4/25

Out: 1730.591+/-0.334 χ^2/NDF:2837393.4/27

All: 1773.394+/-0.235 χ^2/NDF: 4358927.9/53



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4414.690+/-780.031 χ^2/NDF:13.1/9

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4555.581+/-742.162 χ^2/NDF:24.9/9

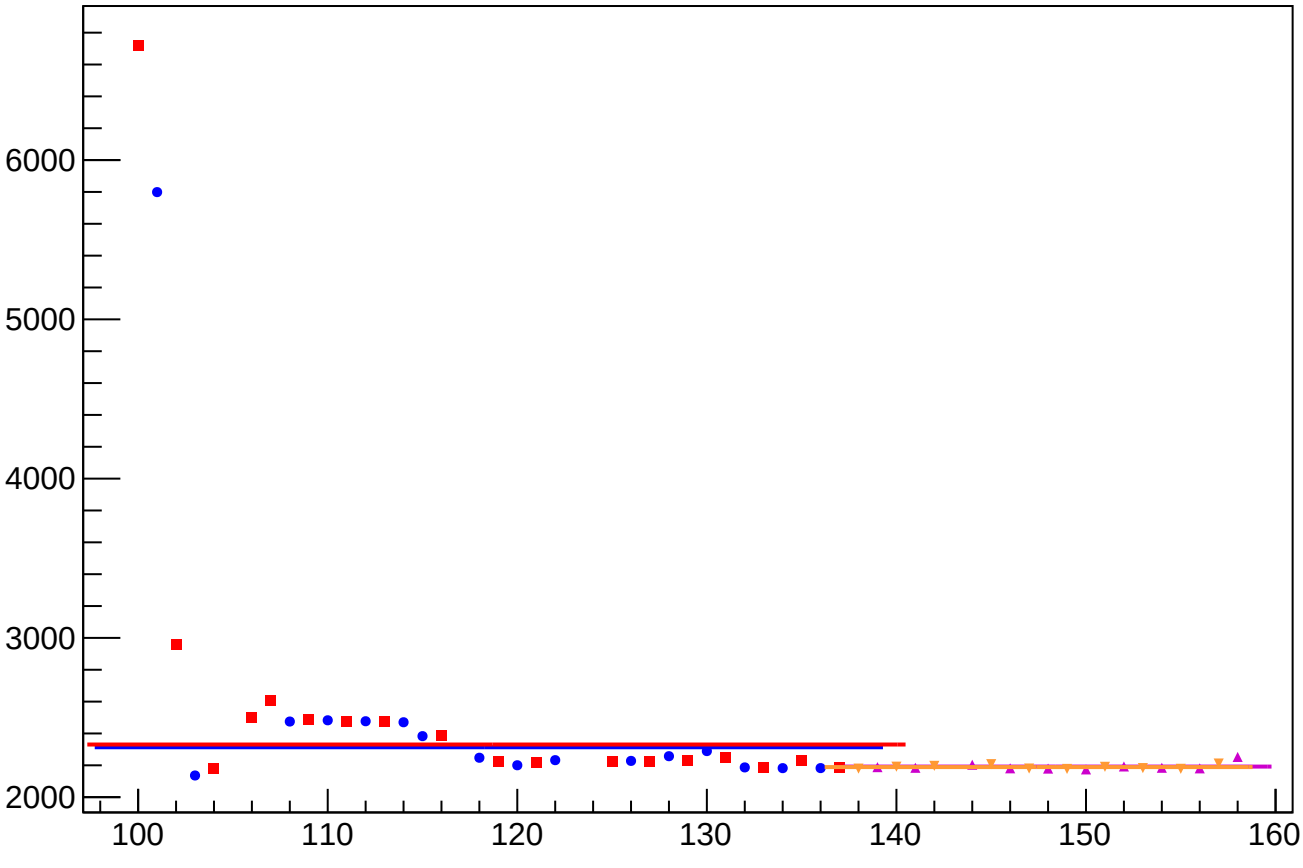
Left: 4488.639+/-537.677 χ^2/NDF: 38.0/19

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4471.117+/-566.031 χ^2/NDF:38.3/25

Out: 4225.732+/-581.209 χ^2/NDF:29.3/27

All: 4351.671+/-405.504 χ^2/NDF: 67.7/53



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.920+/-0.552 χ^2/NDF:458.7/9

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

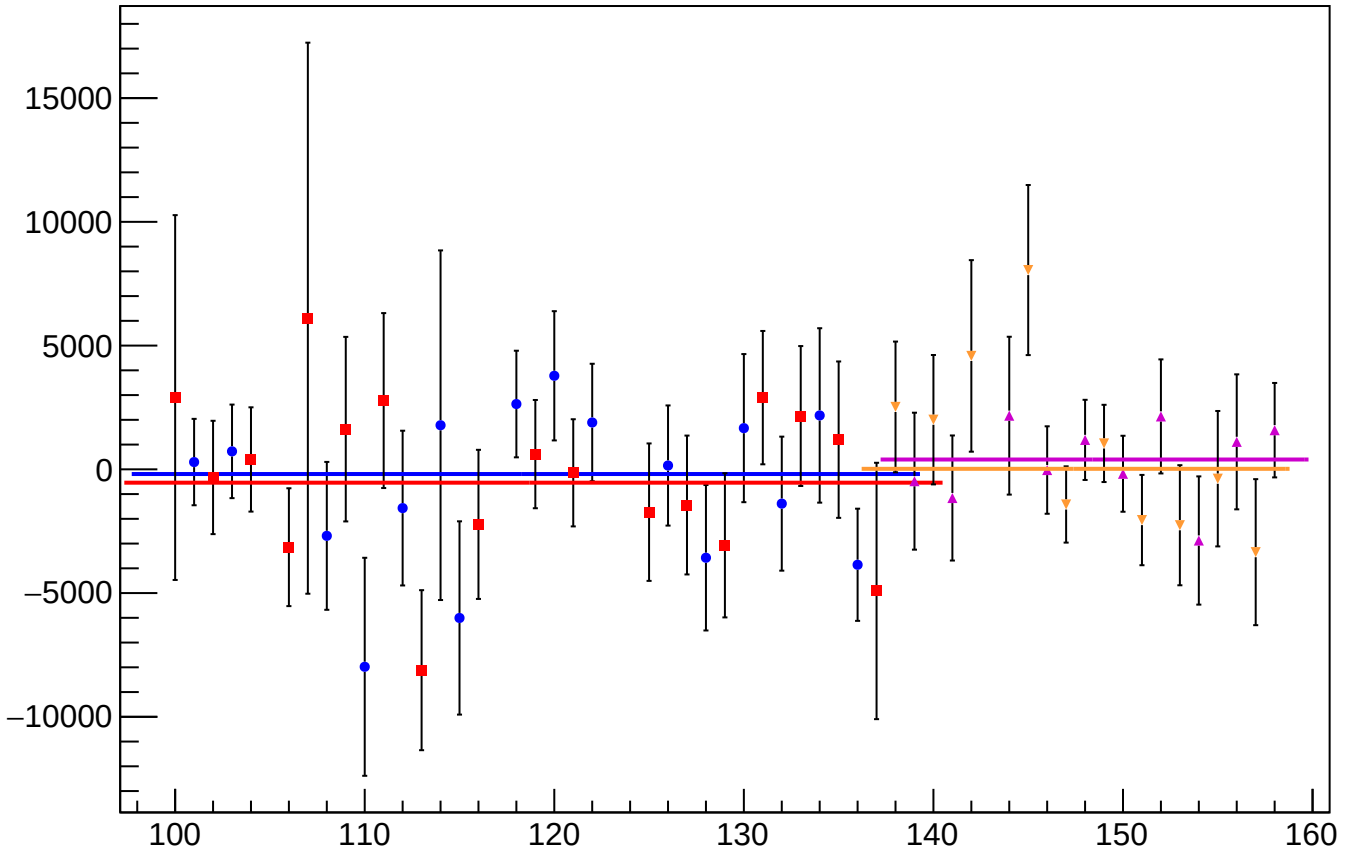
Left: 2190.570+/-0.380 χ^2/NDF: 2110.2/19

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2242.827+/-0.400 χ^2/NDF:536373.9/25

Out: 2251.927+/-0.411 χ^2/NDF:181352.3/27

All: 2247.257+/-0.287 χ^2/NDF: 717977.8/53



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 20.328+/-708.602 χ^2/NDF:13.1/9

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 396.768+/-665.499 χ^2/NDF:3.8/9

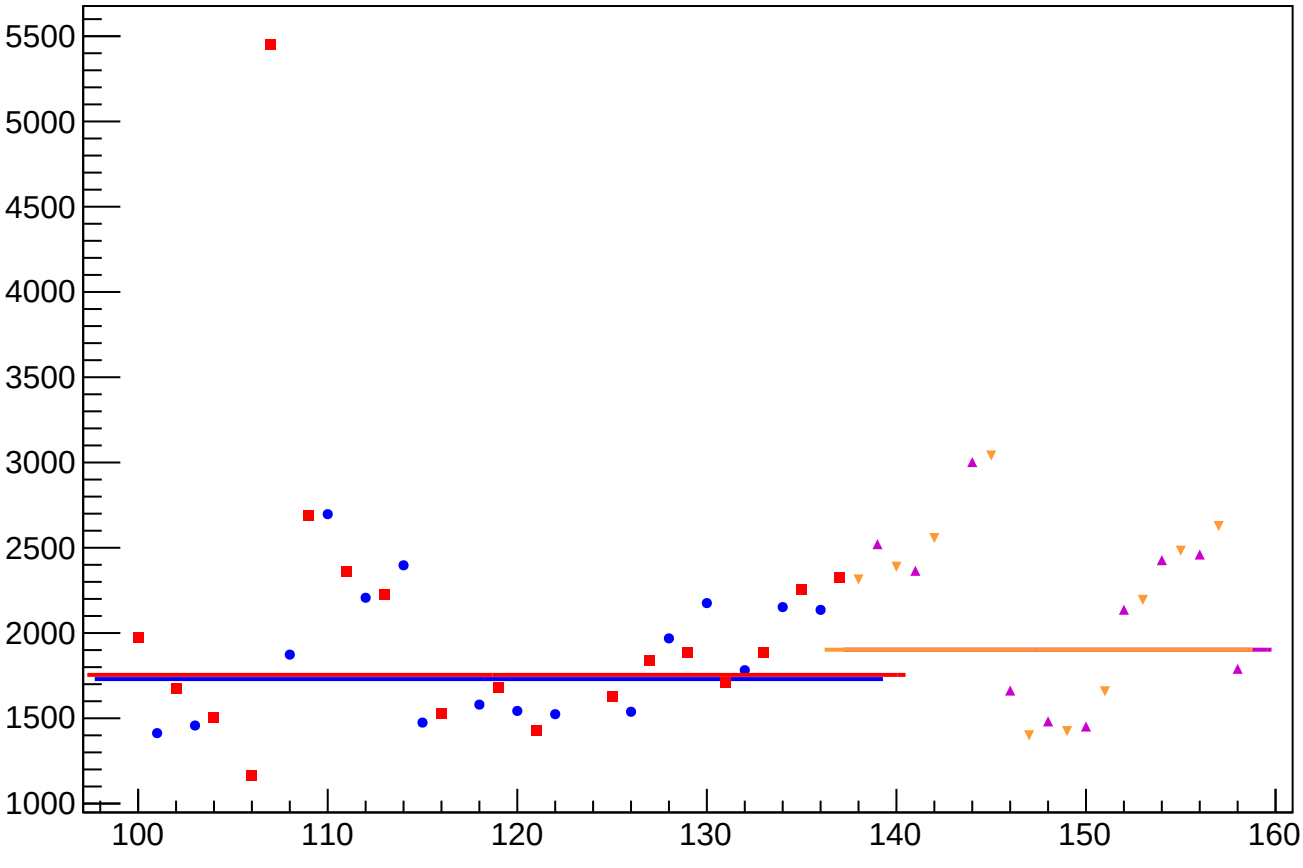
Left: 220.345+/-485.101 χ^2/NDF: 17.1/19

Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 100.271+/-467.979 χ^2/NDF:20.7/25

Out: -271.856+/-489.961 χ^2/NDF:27.4/27

All: -77.257+/-338.415 χ^2/NDF: 48.3/53



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1902.197+/-0.501 χ^2/NDF:1069748.1/9

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1902.228+/-0.471 χ^2/NDF:942694.8/9

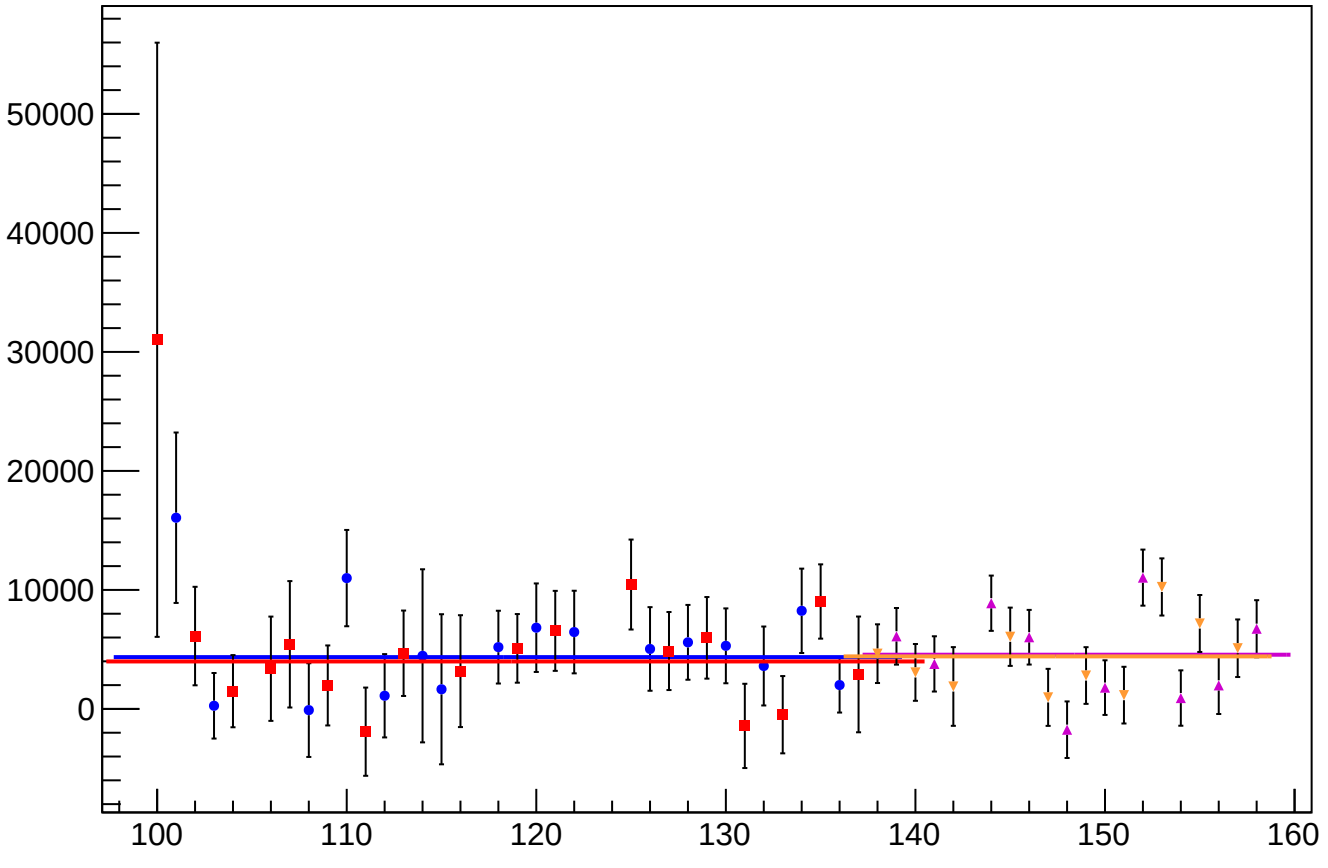
Left: 1902.214+/-0.343 χ^2/NDF: 2012442.9/19

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1815.114+/-0.331 χ^2/NDF:1490386.3/25

Out: 1825.128+/-0.346 χ^2/NDF:1866090.0/27

All: 1819.891+/-0.239 χ^2/NDF: 3356913.2/53



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4414.690+/-780.031 χ^2/NDF:13.1/9

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4555.581+/-742.162 χ^2/NDF:24.9/9

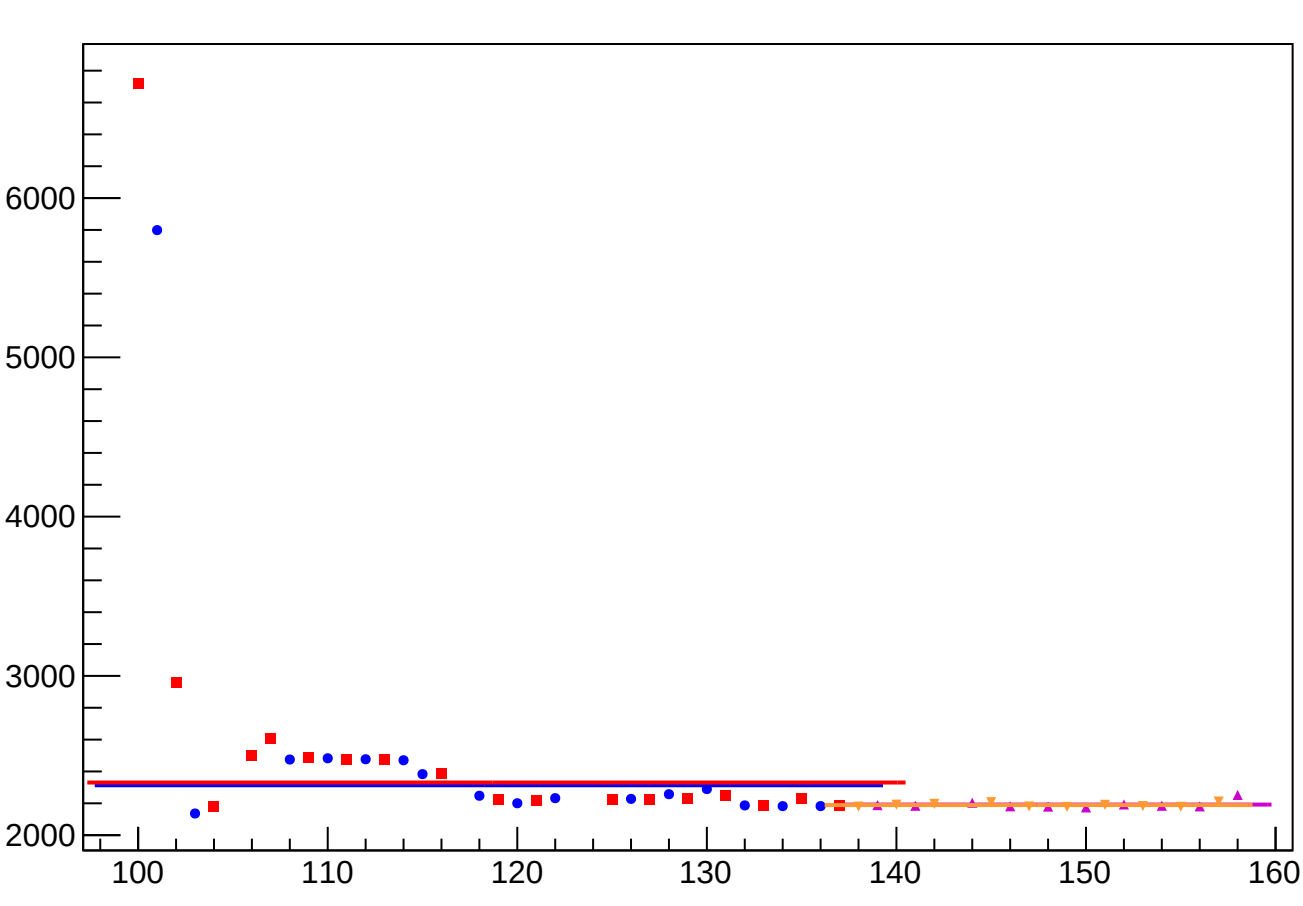
Left: 4488.639+/-537.677 χ^2/NDF: 38.0/19

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4471.117+/-566.031 χ^2/NDF:38.3/25

Out: 4225.732+/-581.209 χ^2/NDF:29.3/27

All: 4351.671+/-405.504 χ^2/NDF: 67.7/53



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.920+/-0.552 χ^2/NDF:458.7/9

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

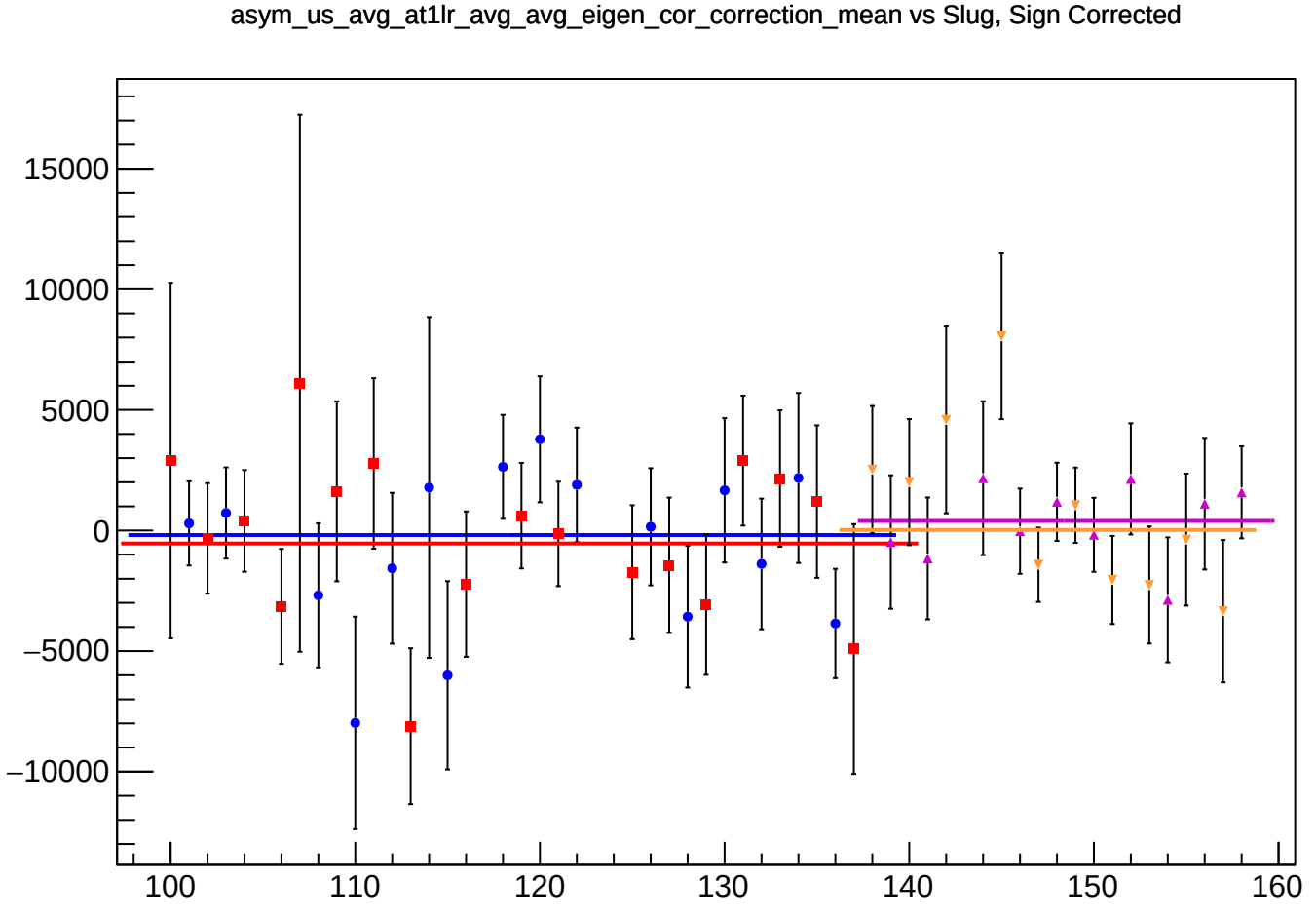
Left: 2190.570+/-0.380 χ^2/NDF: 2110.2/19

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2242.827+/-0.400 χ^2/NDF:536373.9/25

Out: 2251.927+/-0.411 χ^2/NDF:181352.3/27

All: 2247.257+/-0.287 χ^2/NDF: 717977.8/53



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 20.328+/-708.602 χ^2/NDF:13.1/9

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 396.768+/-665.499 χ^2/NDF:3.8/9

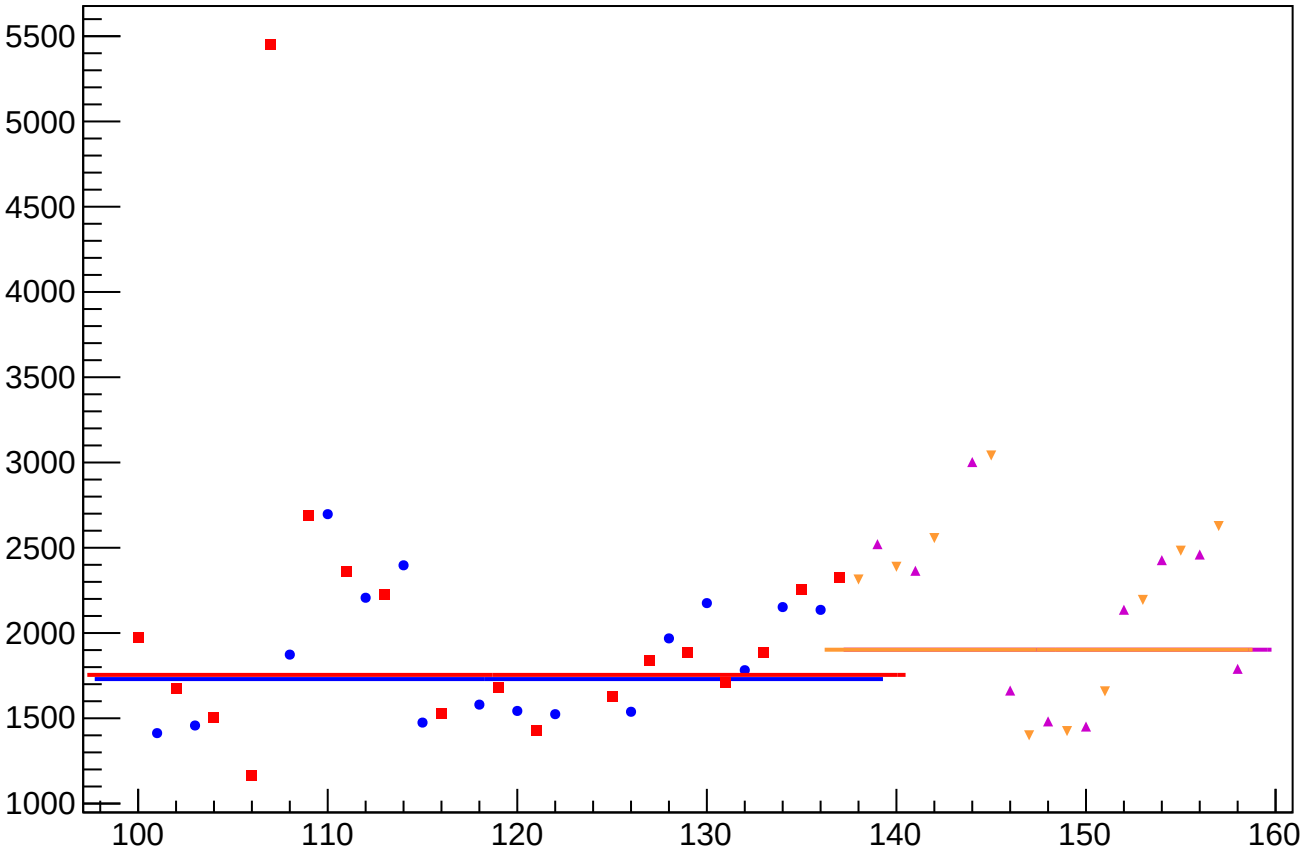
Left: 220.345+/-485.101 χ^2/NDF: 17.1/19

Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 100.271+/-467.979 χ^2/NDF:20.7/25

Out: -271.856+/-489.961 χ^2/NDF:27.4/27

All: -77.257+/-338.415 χ^2/NDF: 48.3/53



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1902.197+/-0.501 χ^2/NDF:1069748.1/9

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1902.228+/-0.471 χ^2/NDF:942694.8/9

Left: 1902.214+/-0.343 χ^2/NDF: 2012442.9/19

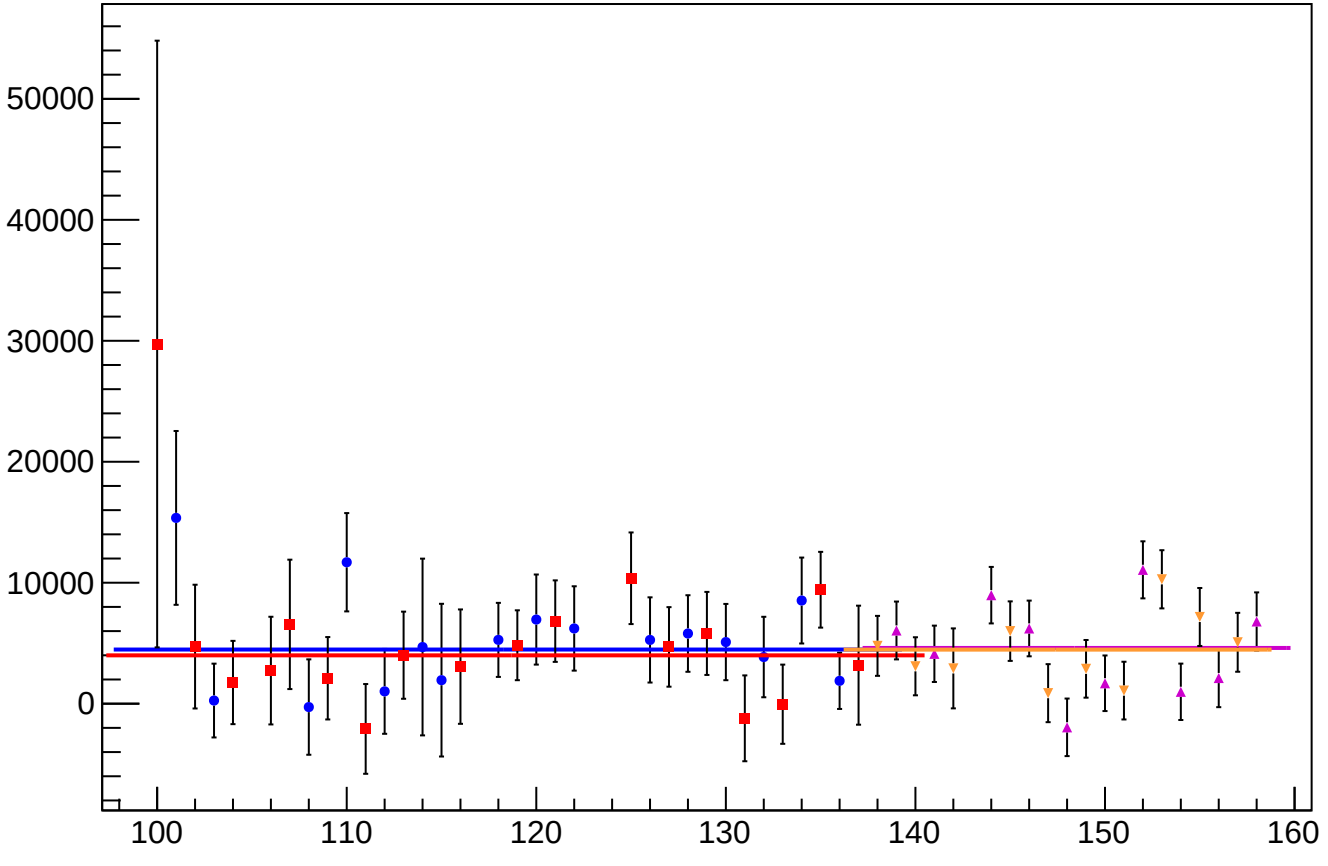
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1815.114+/-0.331 χ^2/NDF:1490386.3/25

Out: 1825.128+/-0.346 χ^2/NDF:1866090.0/27

All: 1819.891+/-0.239 χ^2/NDF: 3356913.2/53

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: 4468.637+/-782.246 χ^2/NDF:12.8/9

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4607.656+/-743.977 χ^2/NDF:25.4/9

Left: 4541.630+/-539.092 χ^2/NDF: 38.3/19

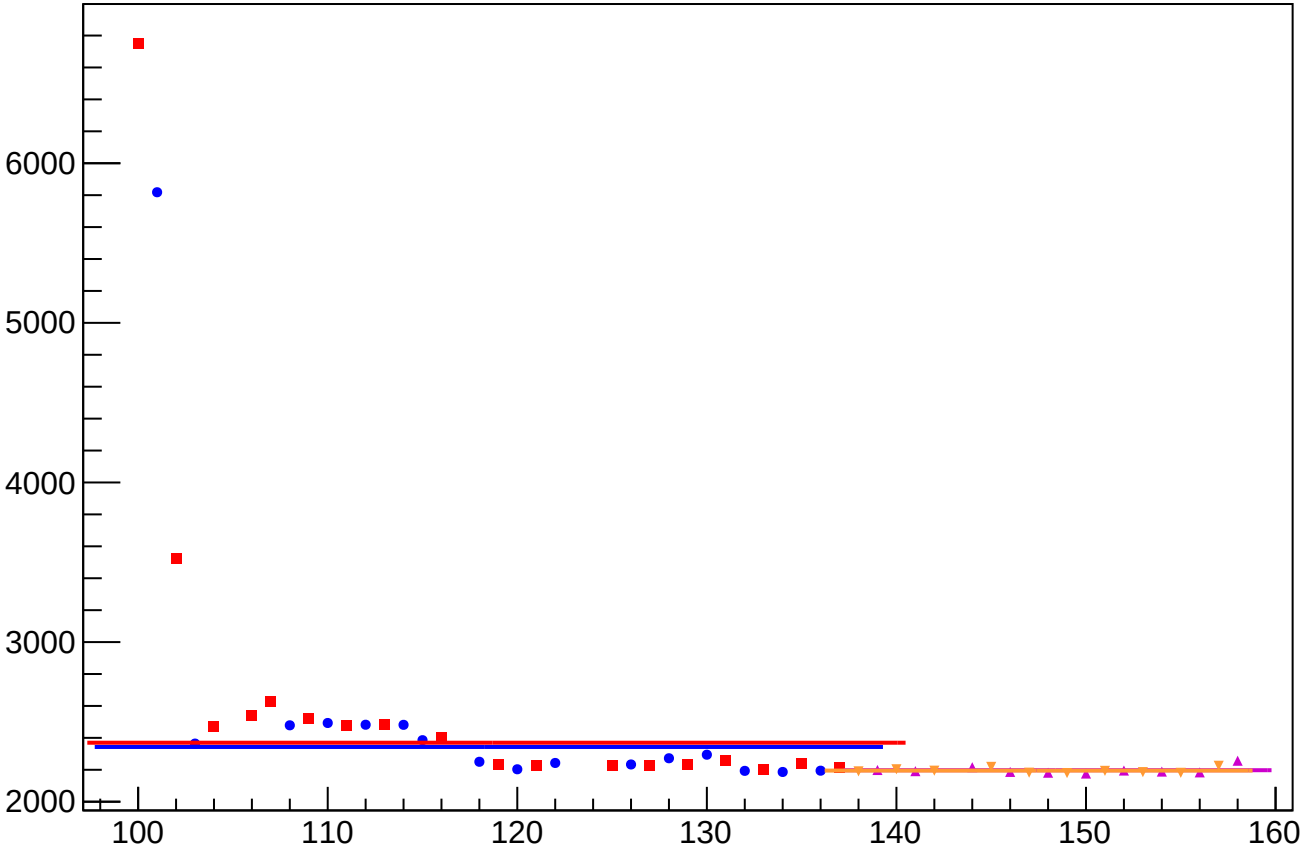
Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4553.397+/-569.773 χ^2/NDF:39.0/25

Out: 4262.679+/-587.682 χ^2/NDF:28.5/27

All: 4412.535+/-409.075 χ^2/NDF: 67.6/53

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.999+/-0.553 χ^2/NDF:762.7/9

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2197.337+/-0.526 χ^2/NDF:1752.1/9

Left: 2196.227+/-0.381 χ^2/NDF: 2524.1/19

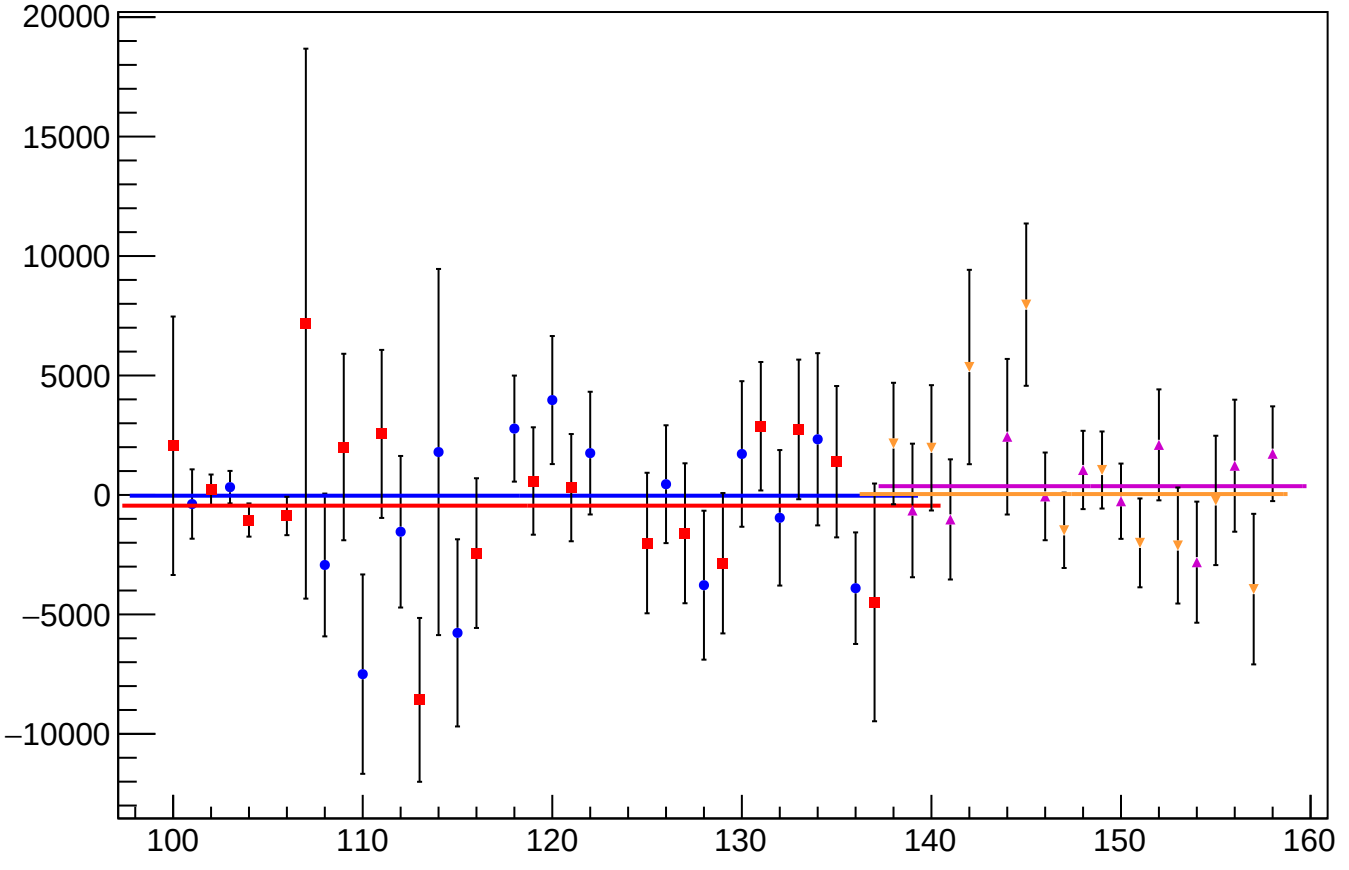
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2257.530+/-0.403 χ^2/NDF:536281.0/25

Out: 2271.041+/-0.416 χ^2/NDF:254298.8/27

All: 2264.076+/-0.289 χ^2/NDF: 791124.8/53

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 37.120+/-719.778 χ^2/NDF:13.3/9

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 367.395+/-677.481 χ^2/NDF:3.9/9

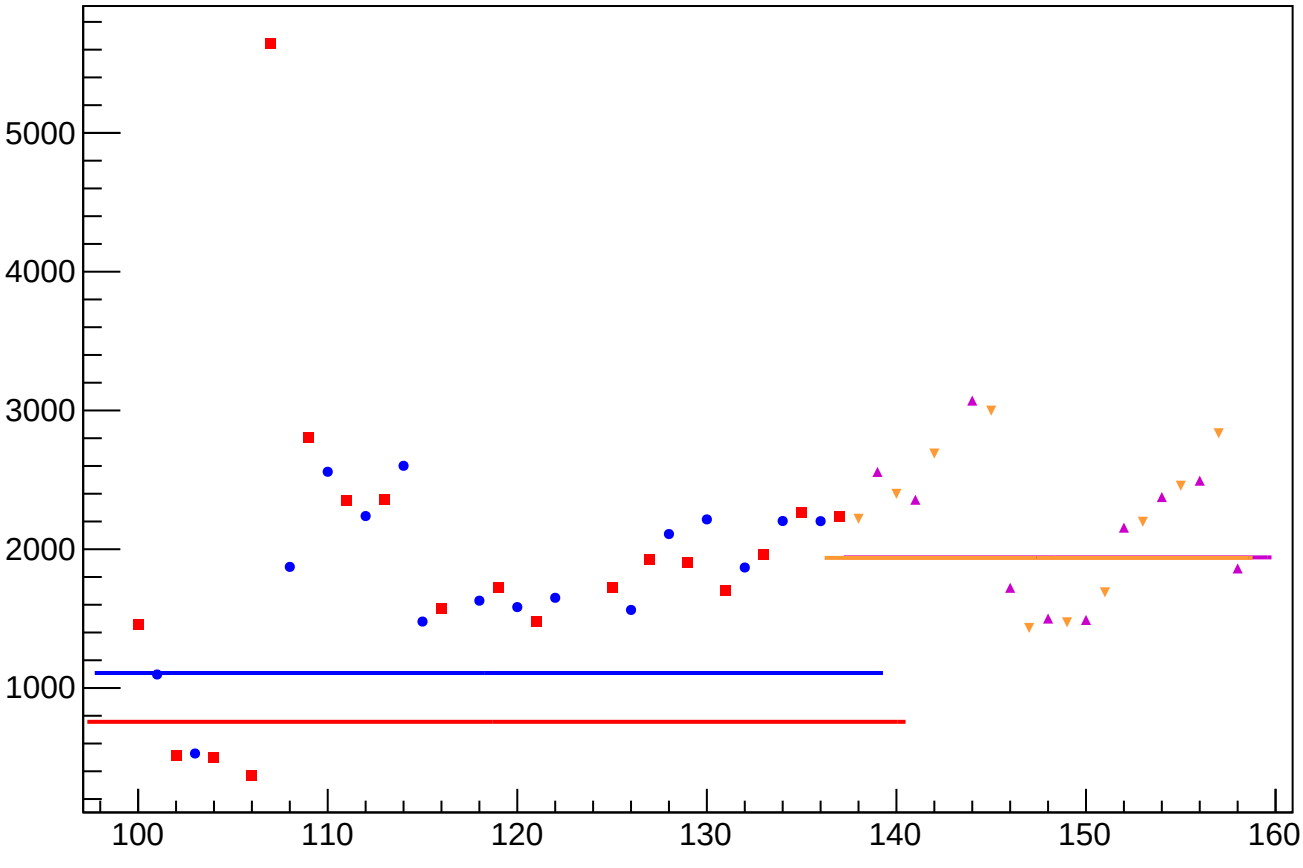
Left: 212.246+/-493.327 χ^2/NDF: 17.3/19

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 103.854+/-394.539 χ^2/NDF:20.5/25

Out: -350.027+/-323.809 χ^2/NDF:28.8/27

All: -167.348+/-250.302 χ^2/NDF: 50.0/53



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1937.621+/-0.509 χ^2/NDF:1015749.5/9

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1941.341+/-0.479 χ^2/NDF:888293.5/9

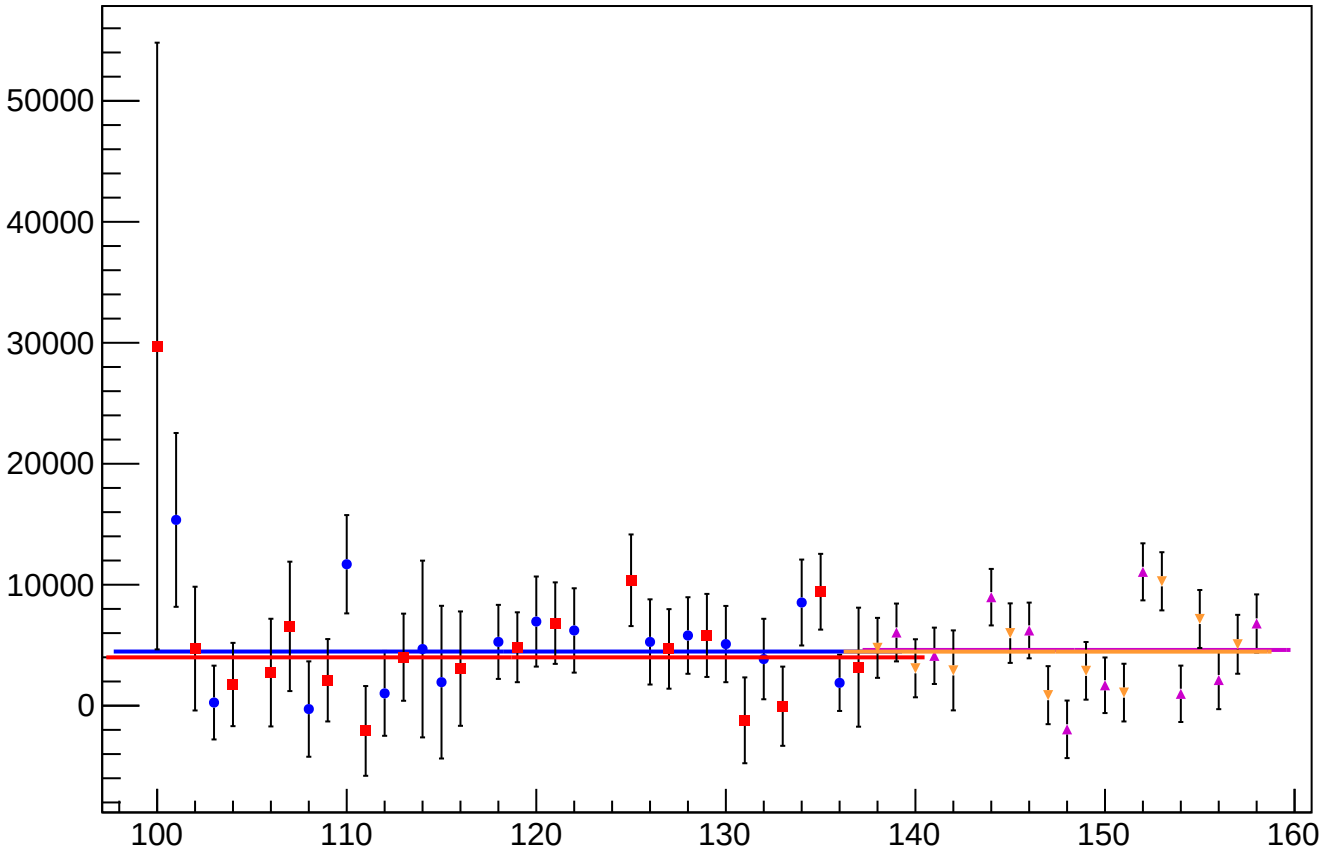
Left: 1939.593+/-0.349 χ^2/NDF: 1904071.4/19

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1390.715+/-0.279 χ^2/NDF:6633908.4/25

Out: 995.477+/-0.229 χ^2/NDF:10915058.0/27

All: 1154.554+/-0.177 χ^2/NDF: 18748237.3/5



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4468.637+/-782.246 χ^2/NDF:12.8/9

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4607.657+/-743.977 χ^2/NDF:25.4/9

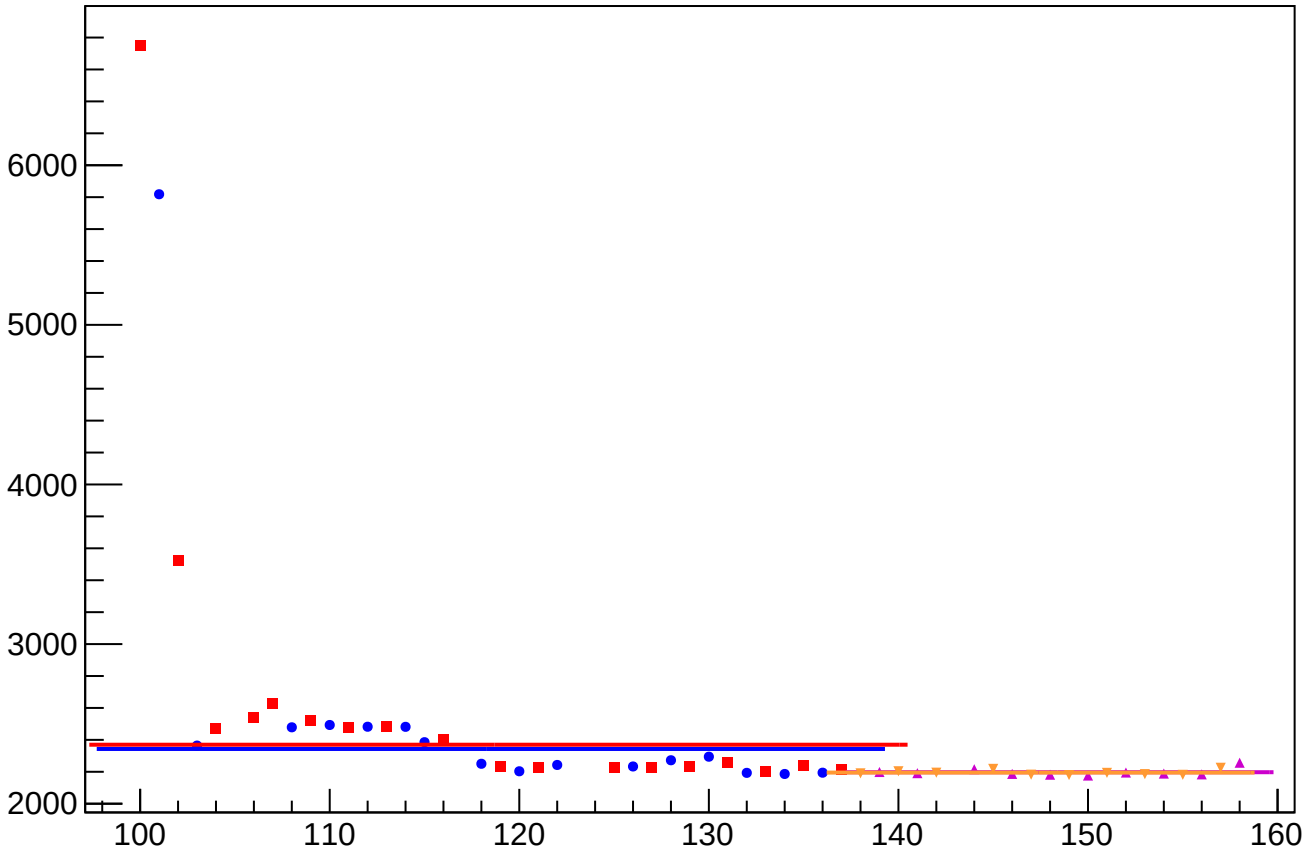
Left: 4541.631+/-539.092 χ^2/NDF: 38.3/19

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4553.396+/-569.773 χ^2/NDF:39.0/25

Out: 4262.677+/-587.682 χ^2/NDF:28.5/27

All: 4412.534+/-409.075 χ^2/NDF: 67.6/53



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.999+/-0.553 χ^2/NDF:762.7/9

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2197.337+/-0.526 χ^2/NDF:1752.1/9

Left: 2196.227+/-0.381 χ^2/NDF: 2524.1/19

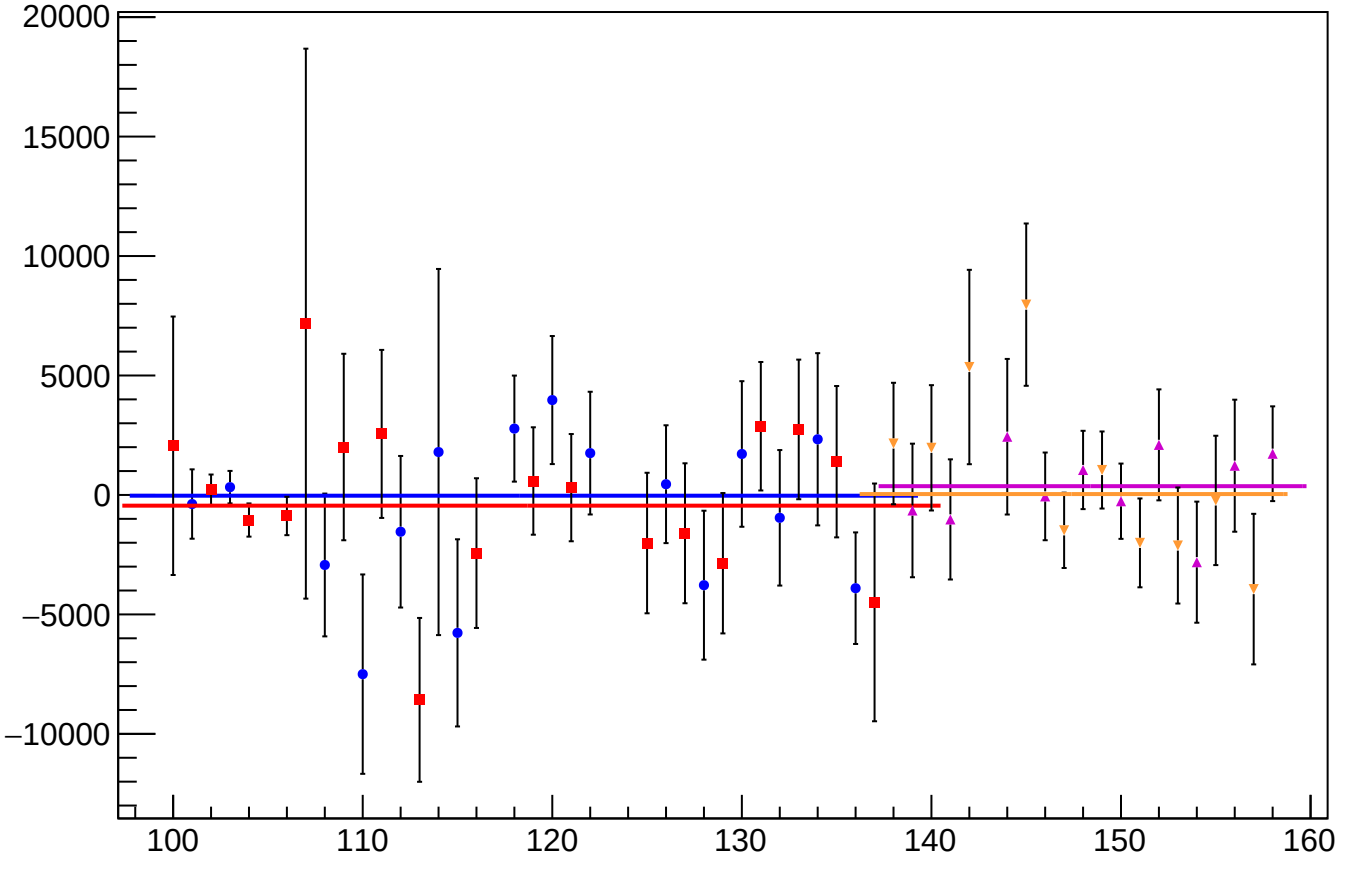
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2257.530+/-0.403 χ^2/NDF:536280.8/25

Out: 2271.041+/-0.416 χ^2/NDF:254297.5/27

All: 2264.076+/-0.289 χ^2/NDF: 791123.2/53

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: 37.115+/-719.780 χ^2/NDF:13.3/9

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 367.397+/-677.483 χ^2/NDF:3.9/9

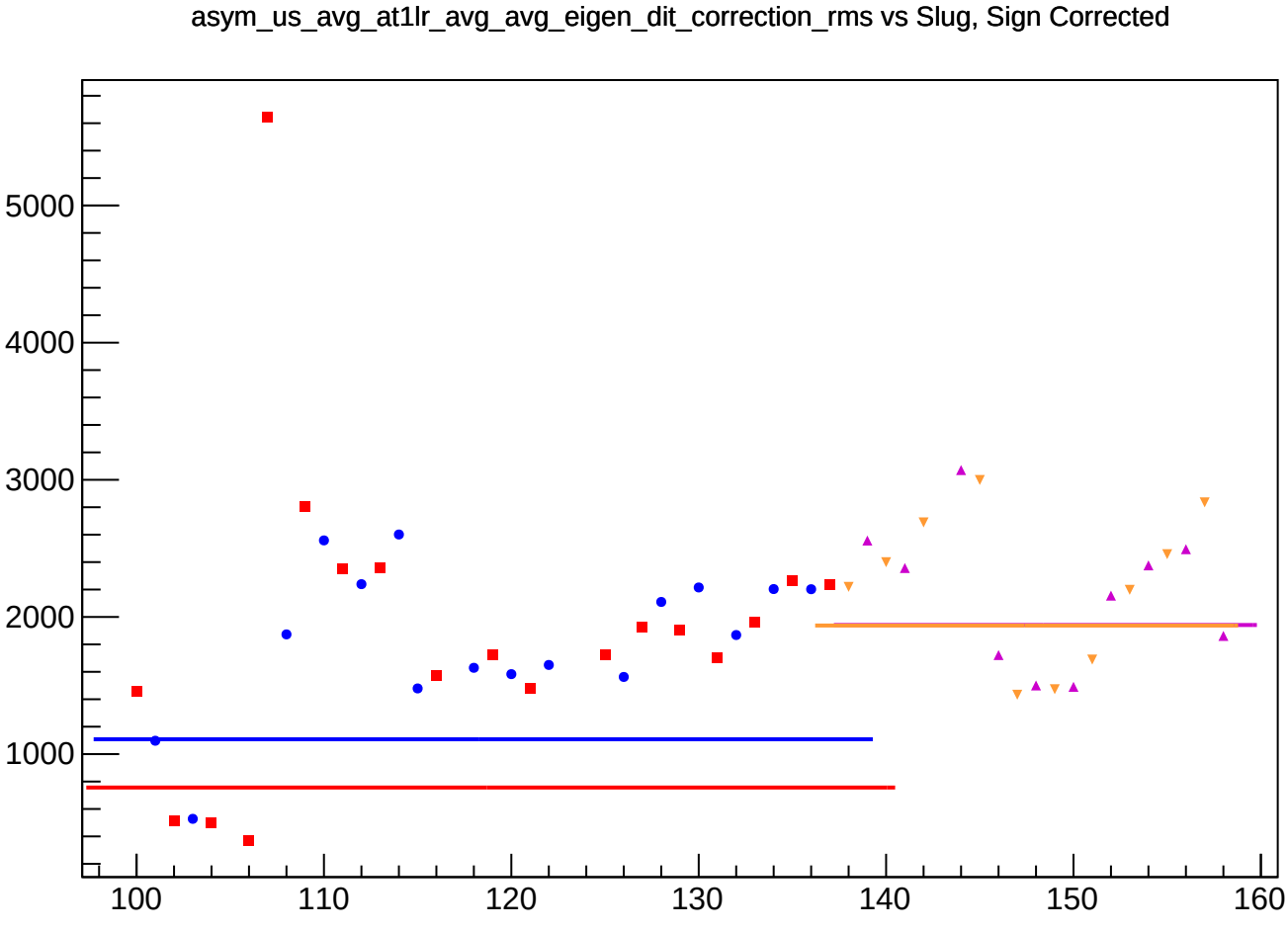
Left: 212.245+/-493.328 χ^2/NDF: 17.3/19

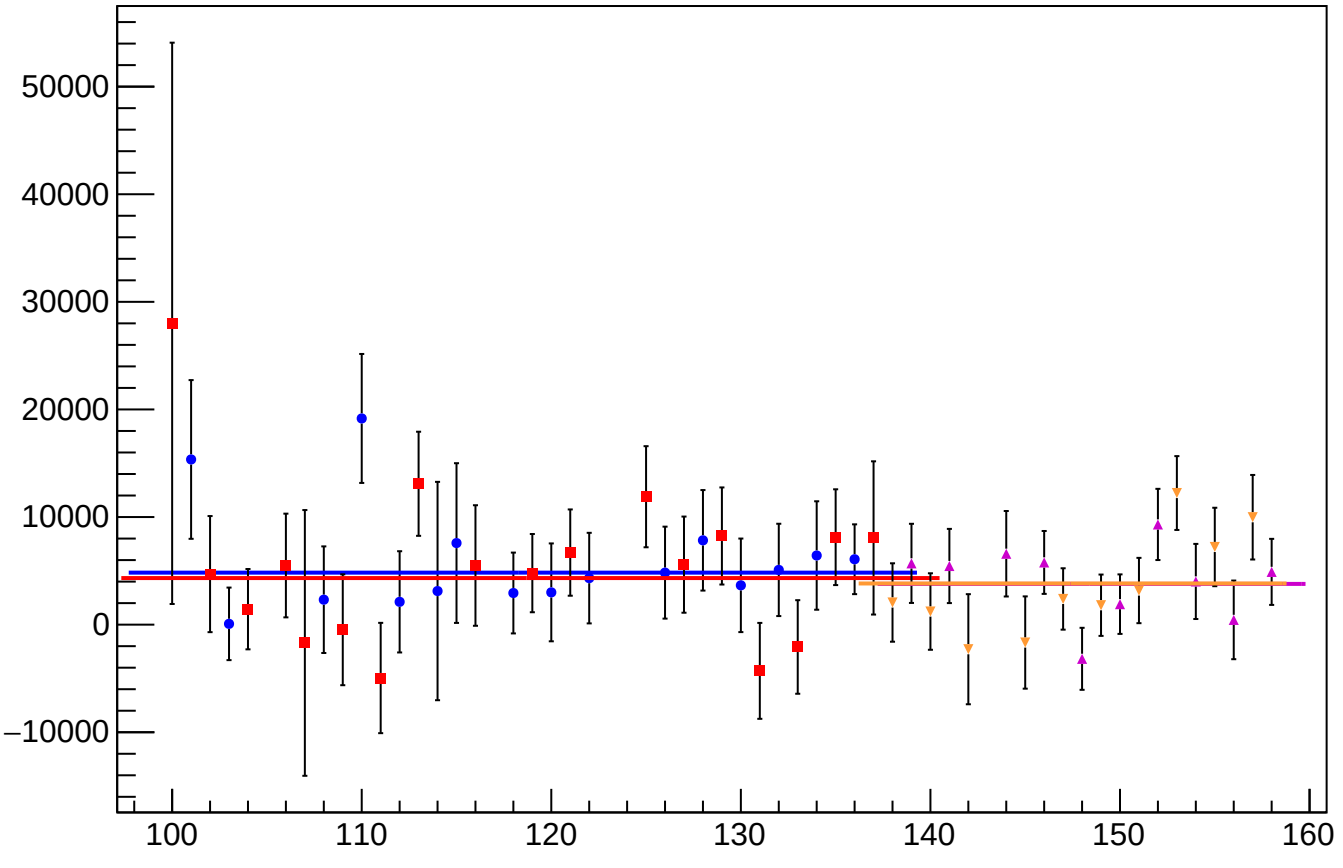
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 103.850+/-394.540 χ^2/NDF:20.5/25

Out: -350.029+/-323.812 χ^2/NDF:28.8/27

All: -167.349+/-250.304 χ^2/NDF: 50.0/53


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1108.149+/-0.343 χ²/NDF: 3746402.0/15
Left Out: 1937.624+/-0.509 χ²/NDF:1015749.4/9
Right Out: 756.434+/-0.256 χ²/NDF: 5603097.5/17
Left In: 1941.345+/-0.479 χ²/NDF:888292.7/9
Left: 1939.597+/-0.349 χ²/NDF: 1904070.4/19
Right: 882.417+/-0.205 χ²/NDF: 10023620.2/33
In: 1390.724+/-0.279 χ²/NDF:6633790.3/25
Out: 995.494+/-0.229 χ²/NDF:10914819.4/27
All: 1154.569+/-0.177 χ²/NDF: 18747815.5/5



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3826.394+/-1099.847 χ^2/NDF:14.0/9

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3786.209+/-1029.112 χ^2/NDF:11.5/9

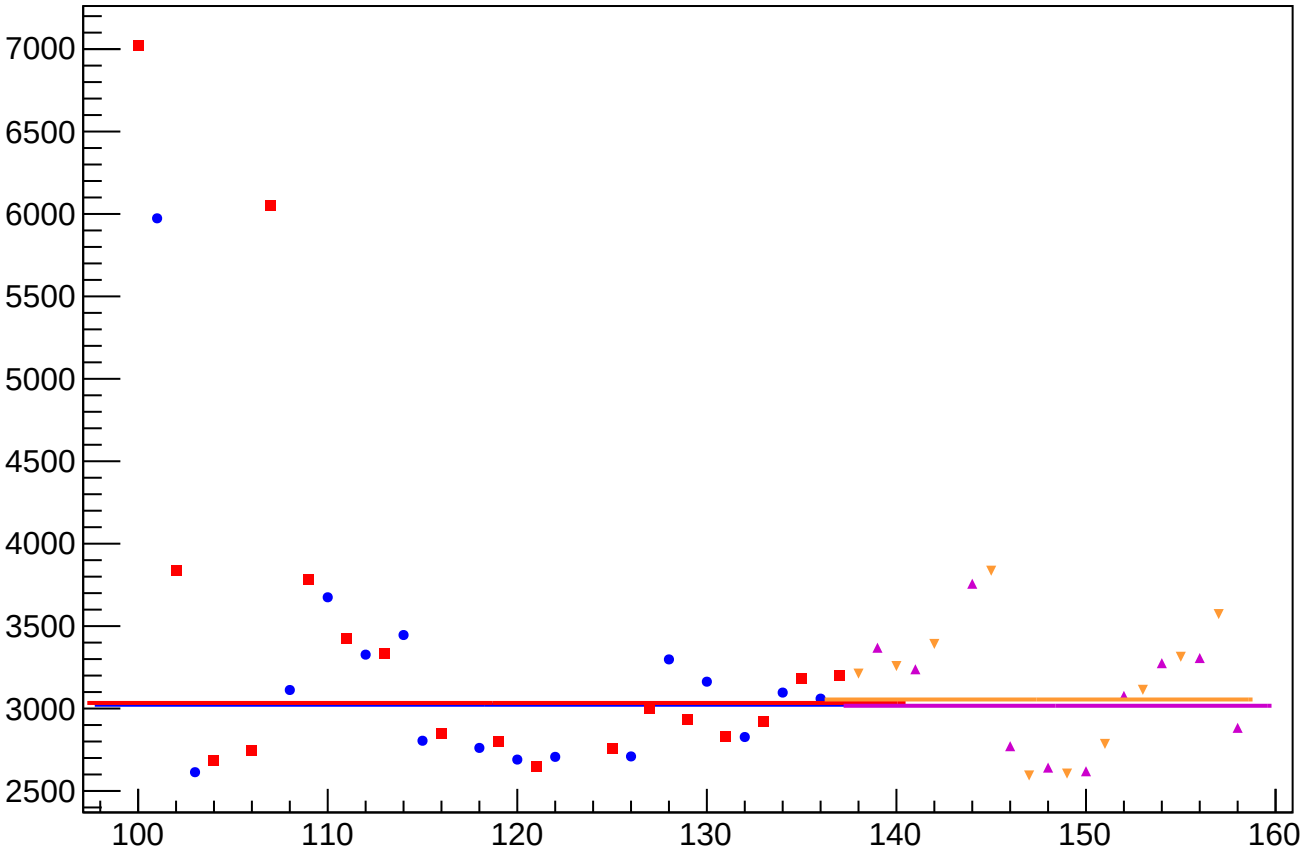
Left: 3804.968+/-751.455 χ^2/NDF: 25.5/19

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4255.441+/-764.656 χ^2/NDF:23.7/25

Out: 4067.501+/-793.039 χ^2/NDF:34.0/27

All: 4164.894+/-550.454 χ^2/NDF: 57.7/53



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3054.862+/-0.778 χ^2/NDF:248426.6/9

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3016.792+/-0.728 χ^2/NDF:213236.0/9

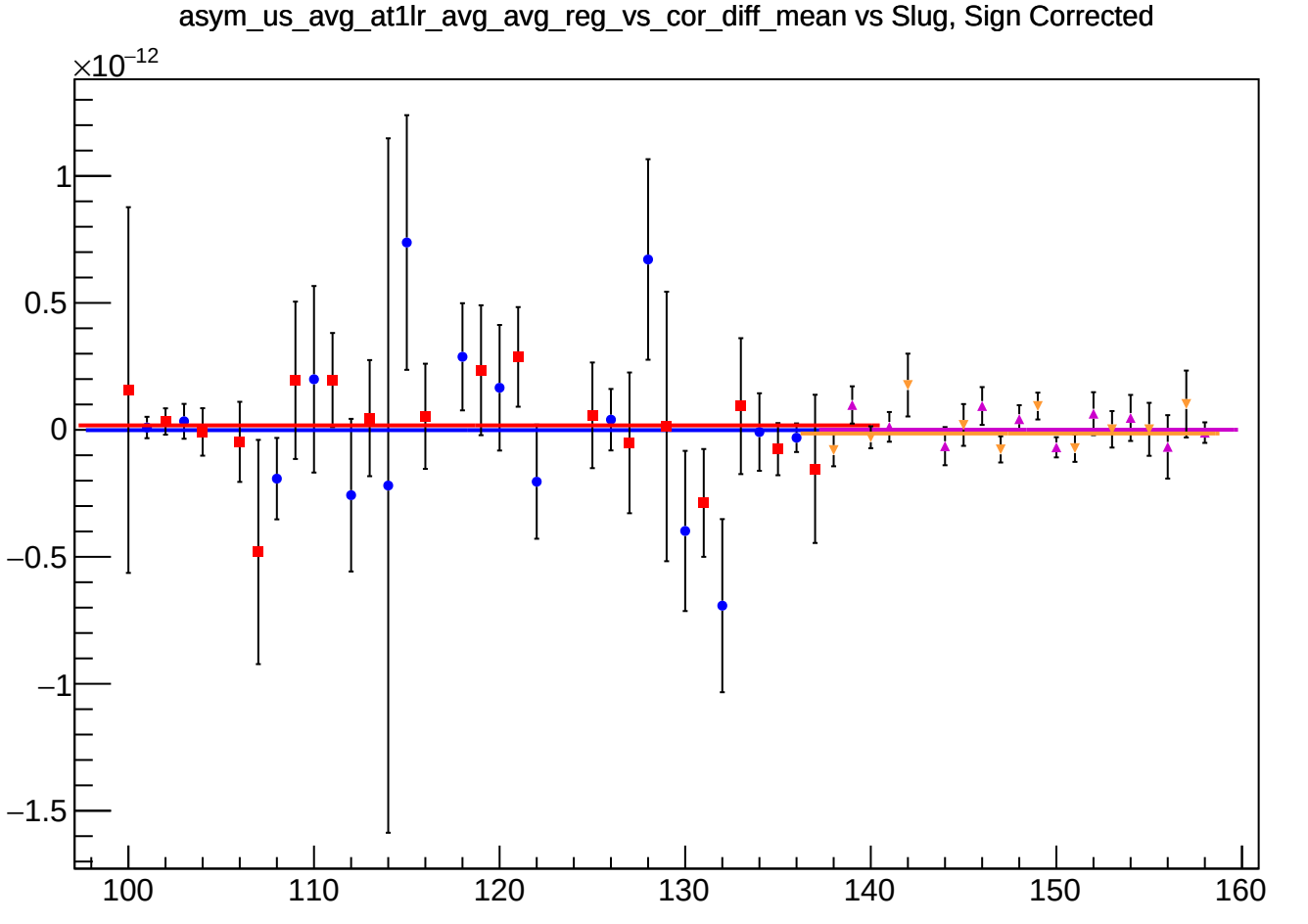
Left: 3034.564+/-0.531 χ^2/NDF: 462940.2/19

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3019.603+/-0.541 χ^2/NDF:656975.2/25

Out: 3044.783+/-0.561 χ^2/NDF:591451.1/27

All: 3031.735+/-0.389 χ^2/NDF: 1249471.1/53



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

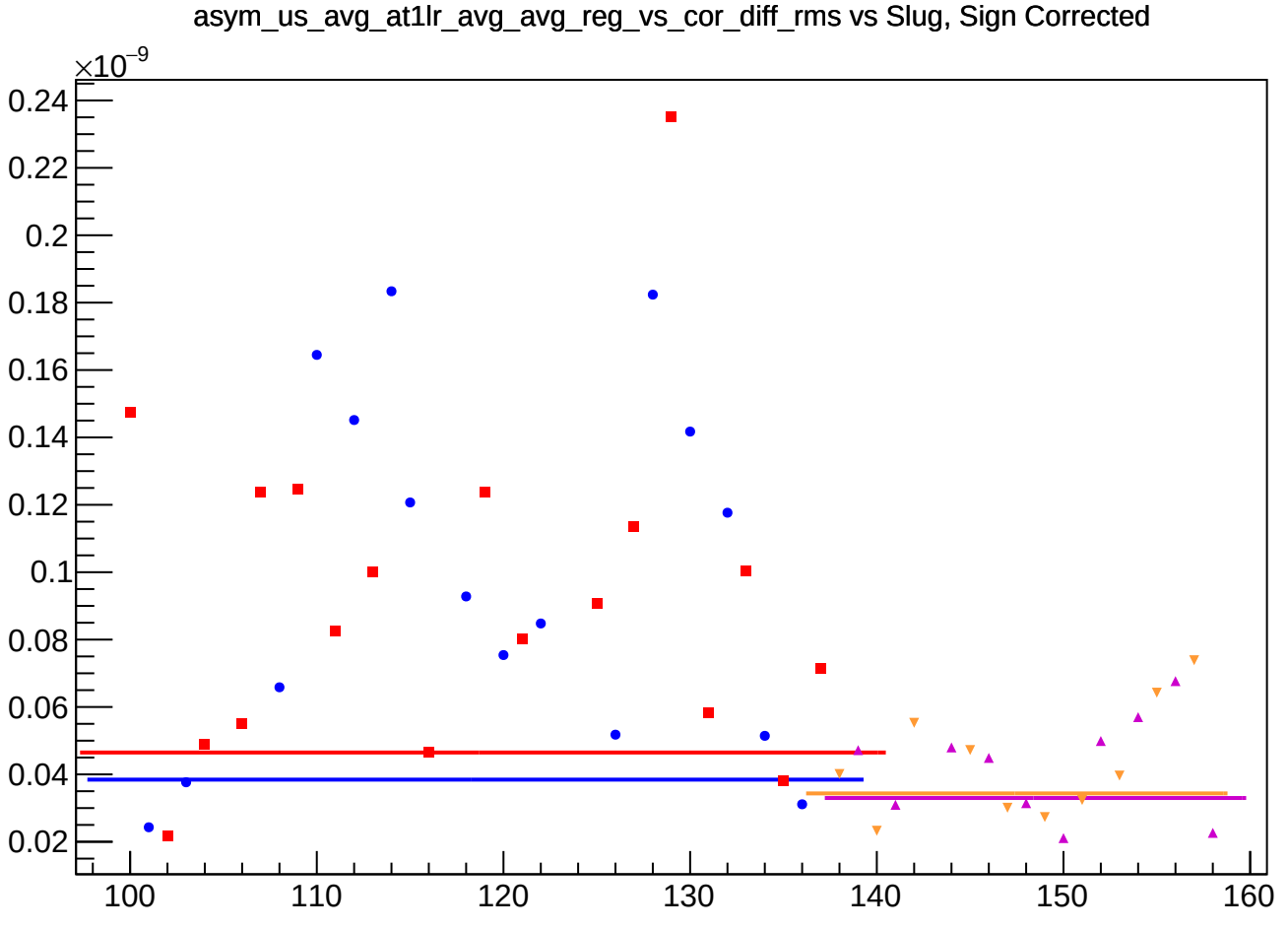
Left: -0.000+/-0.000 χ^2/NDF: 20.6/19

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

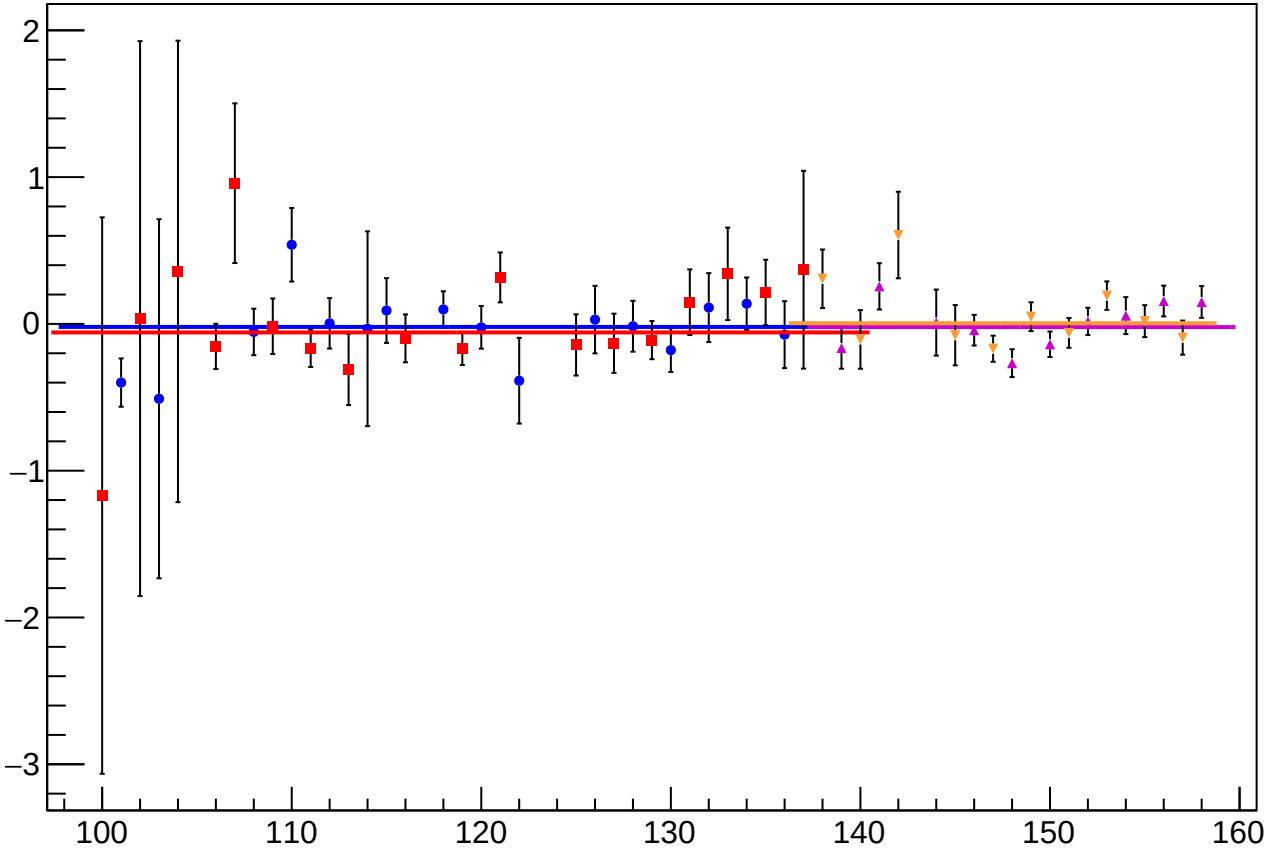
In: -0.000+/-0.000 χ^2/NDF:26.0/25

Out: -0.000+/-0.000 χ^2/NDF:21.0/27

All: -0.000+/-0.000 χ^2/NDF: 47.1/53


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:661320.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:894805.1/9
Left: 0.000+/-0.000 χ²/NDF: 1560891.1/19
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:2719953.0/25
Out: 0.000+/-0.000 χ²/NDF:2542224.6/27
All: 0.000+/-0.000 χ²/NDF: 5288463.8/53

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: 0.005+/-0.038 χ^2/NDF:15.9/9

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.022+/-0.035 χ^2/NDF:18.6/9

Left: -0.010+/-0.026 χ^2/NDF: 34.7/19

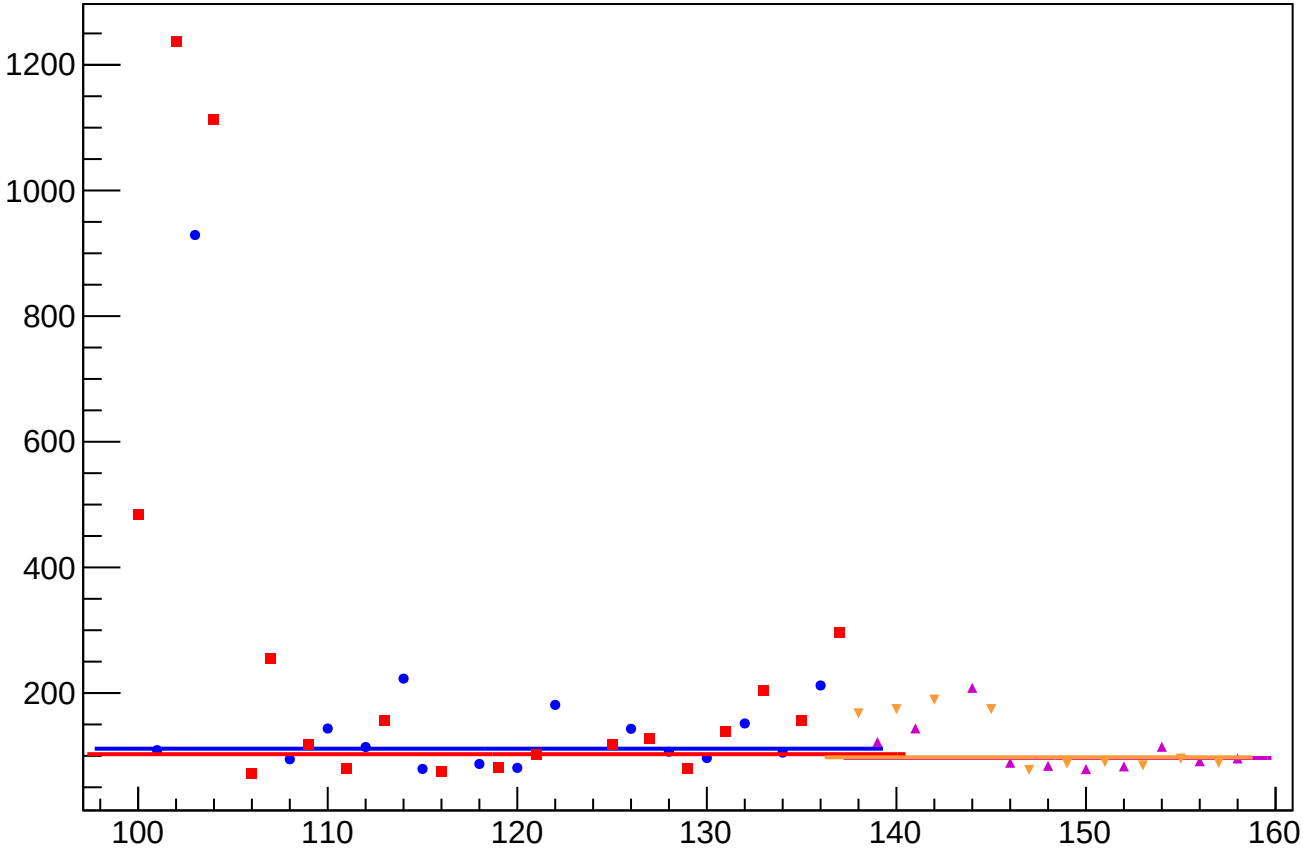
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.028 χ^2/NDF:34.3/25

Out: -0.021+/-0.030 χ^2/NDF:33.8/27

All: -0.021+/-0.020 χ^2/NDF: 68.0/53

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: 97.682+/-0.027 χ^2/NDF:1196468.7/9

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.654+/-0.025 χ^2/NDF:949979.9/9

Left: 97.126+/-0.018 χ^2/NDF: 2147224.3/19

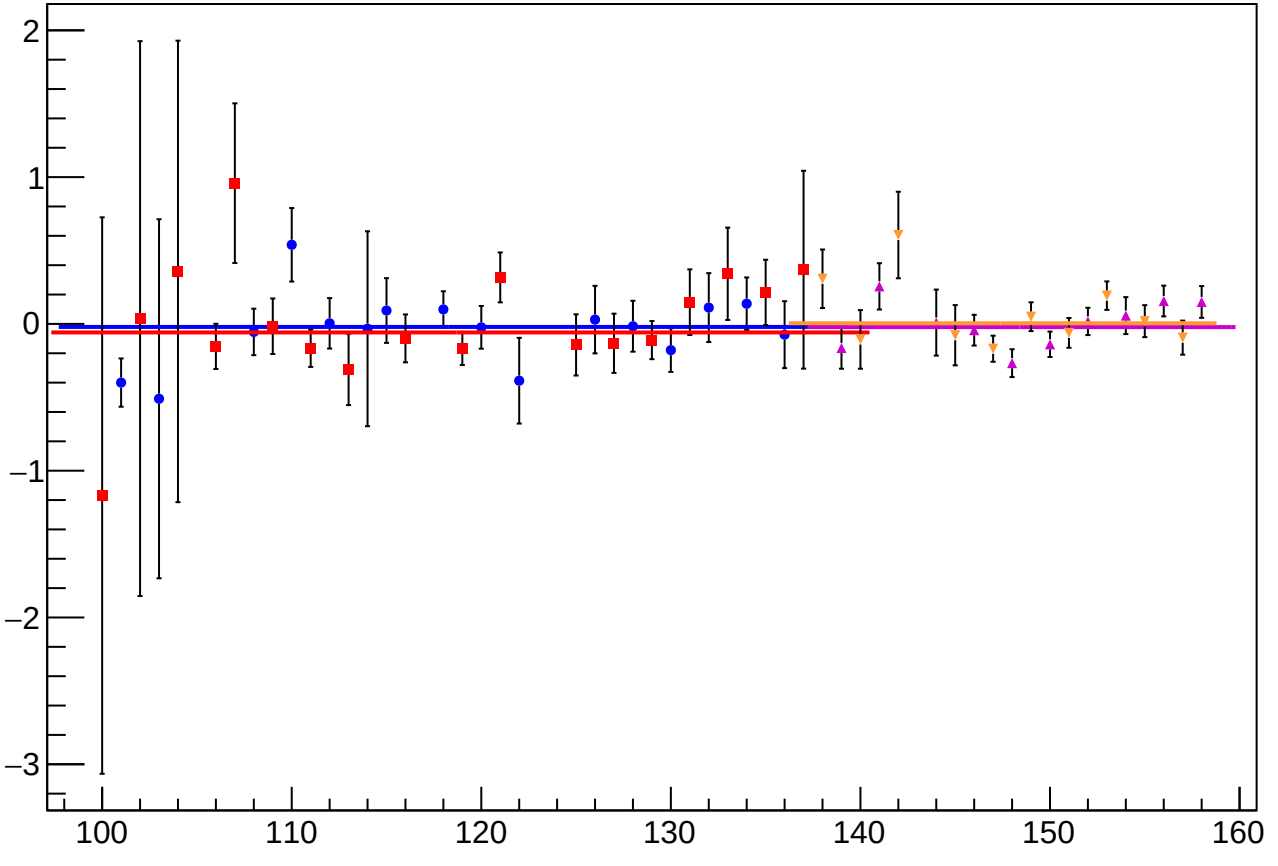
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.893+/-0.020 χ^2/NDF:2913077.5/25

Out: 99.712+/-0.021 χ^2/NDF:4037046.0/27

All: 100.848+/-0.014 χ^2/NDF: 6955783.2/53

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.005+/-0.038 χ^2/NDF:15.9/9

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.022+/-0.035 χ^2/NDF:18.6/9

Left: -0.010+/-0.026 χ^2/NDF: 34.7/19

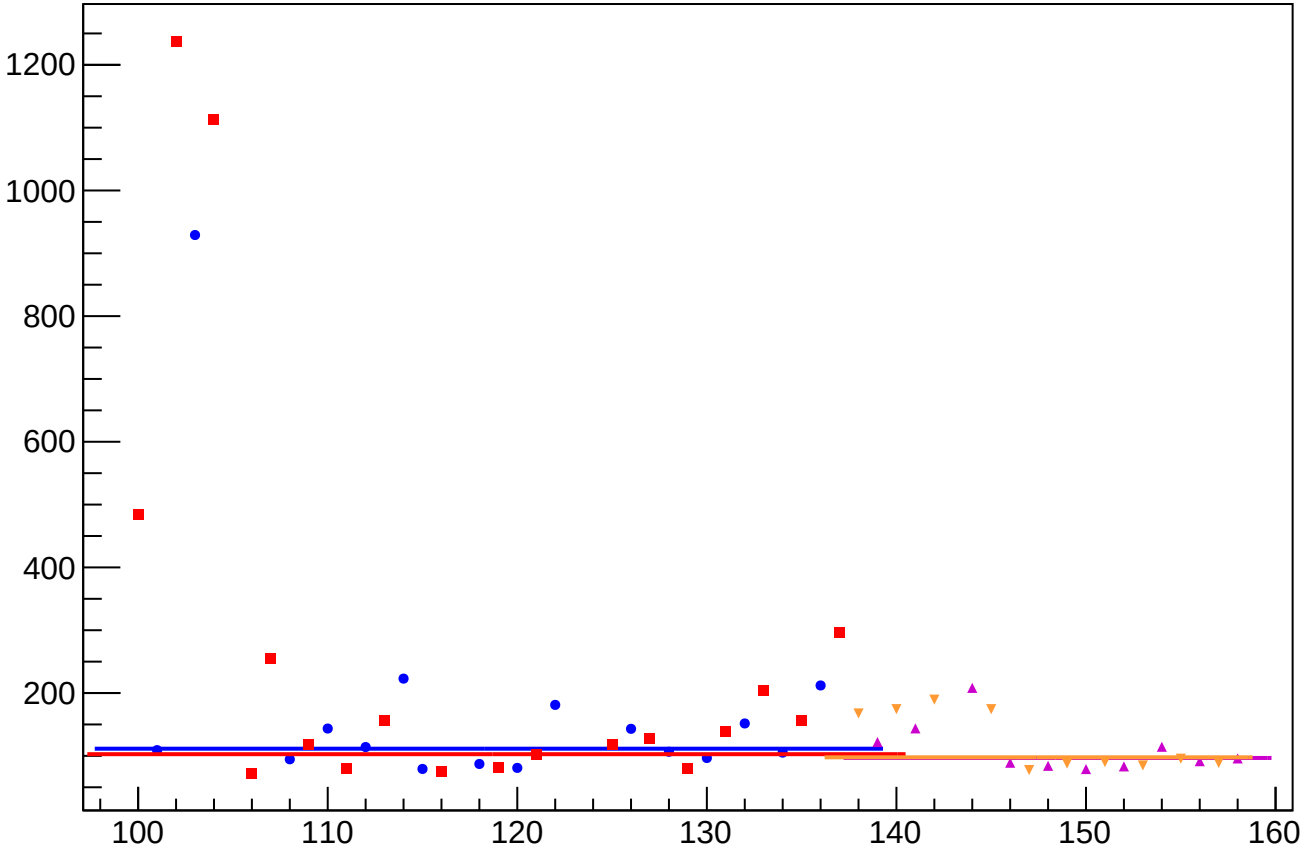
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.028 χ^2/NDF:34.3/25

Out: -0.021+/-0.030 χ^2/NDF:33.8/27

All: -0.021+/-0.020 χ^2/NDF: 68.0/53

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: 97.682+/-0.027 χ^2/NDF:1196468.7/9

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.654+/-0.025 χ^2/NDF:949979.9/9

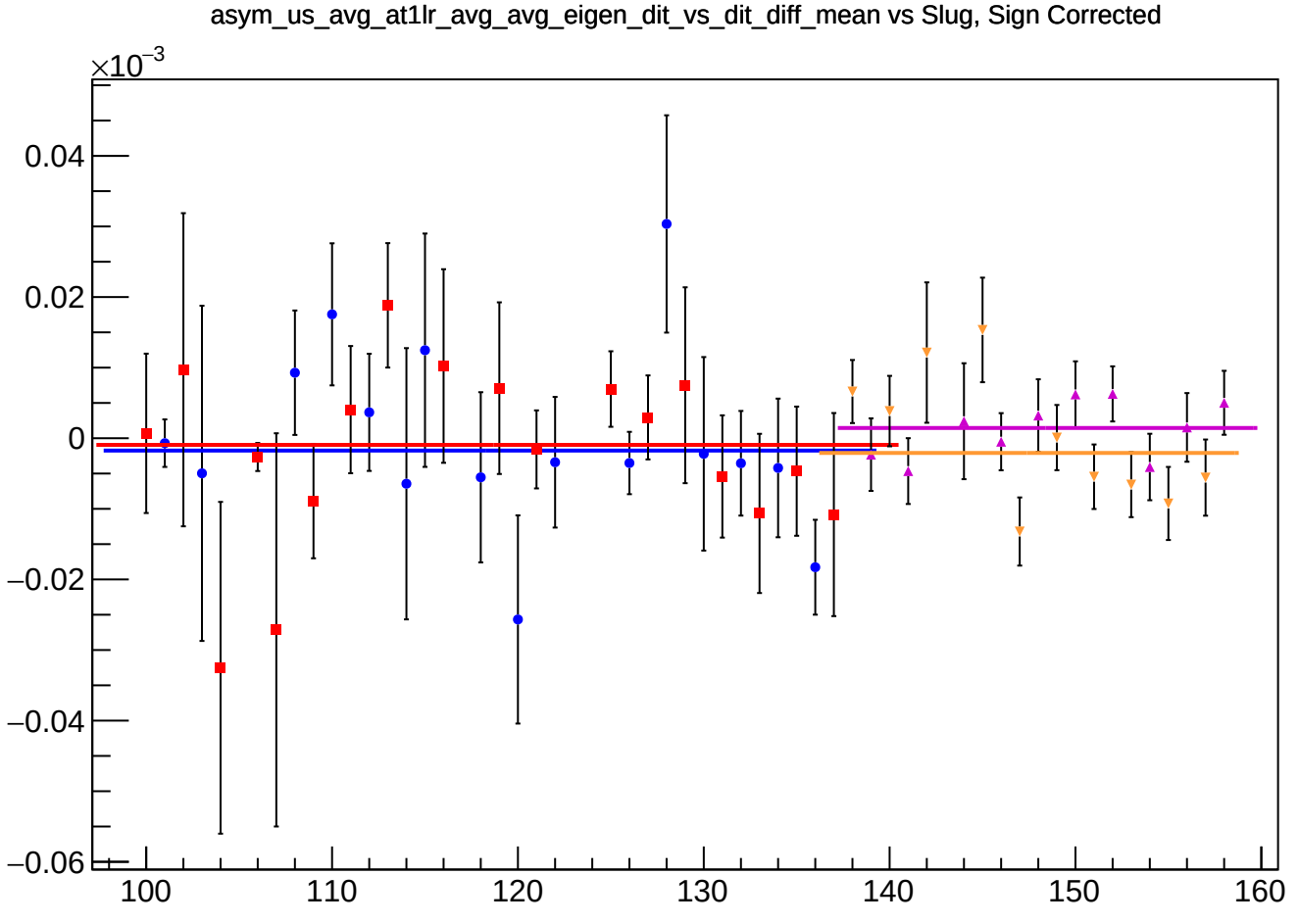
Left: 97.126+/-0.018 χ^2/NDF: 2147224.3/19

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.893+/-0.020 χ^2/NDF:2913077.5/25

Out: 99.712+/-0.021 χ^2/NDF:4037046.0/27

All: 100.848+/-0.014 χ^2/NDF: 6955783.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/9

Left: -0.000+/-0.000 χ^2/NDF: 31.9/19

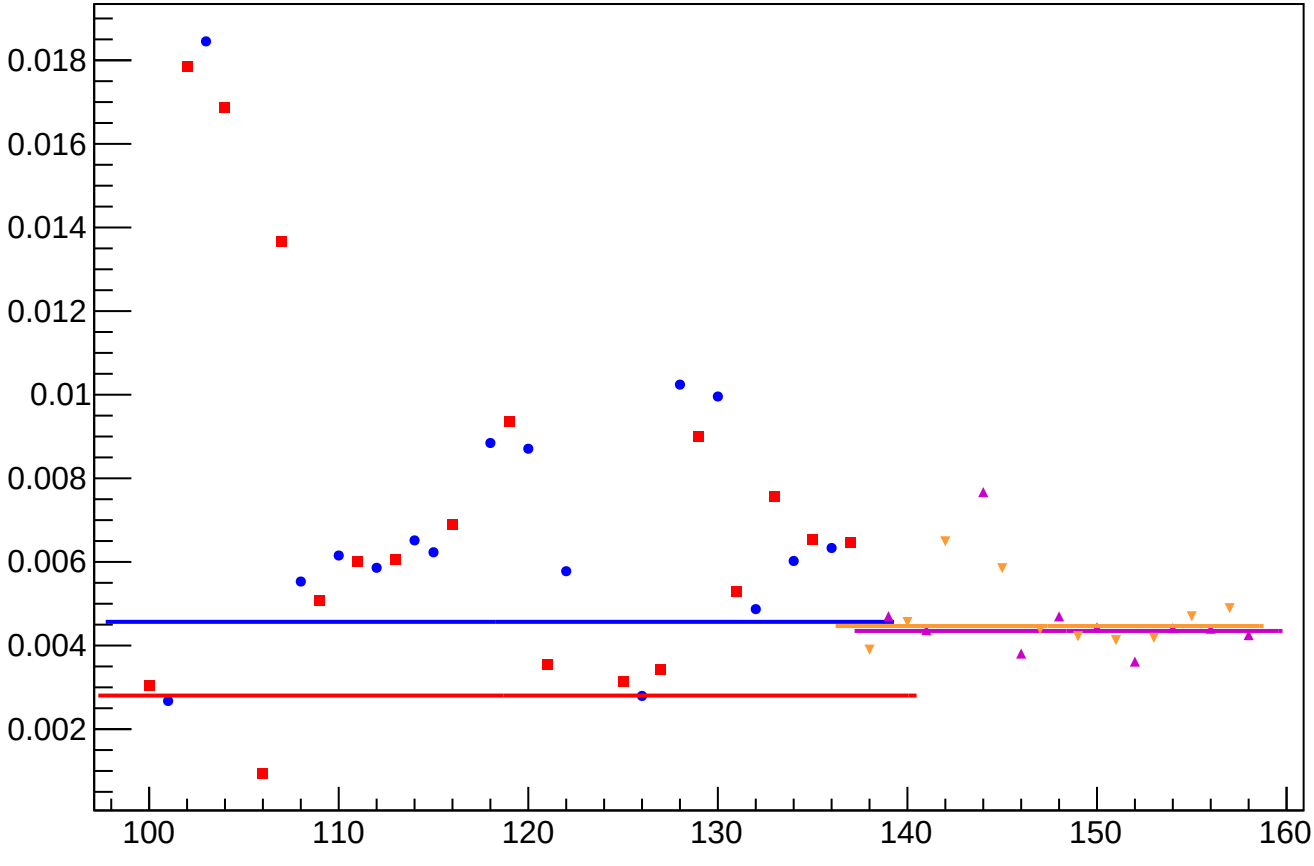
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:28.9/25

Out: -0.000+/-0.000 χ^2/NDF:38.1/27

All: -0.000+/-0.000 χ^2/NDF: 68.2/53

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:226778.9/9

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:454405.7/9

Left: 0.004+/-0.000 χ^2/NDF: 686865.4/19

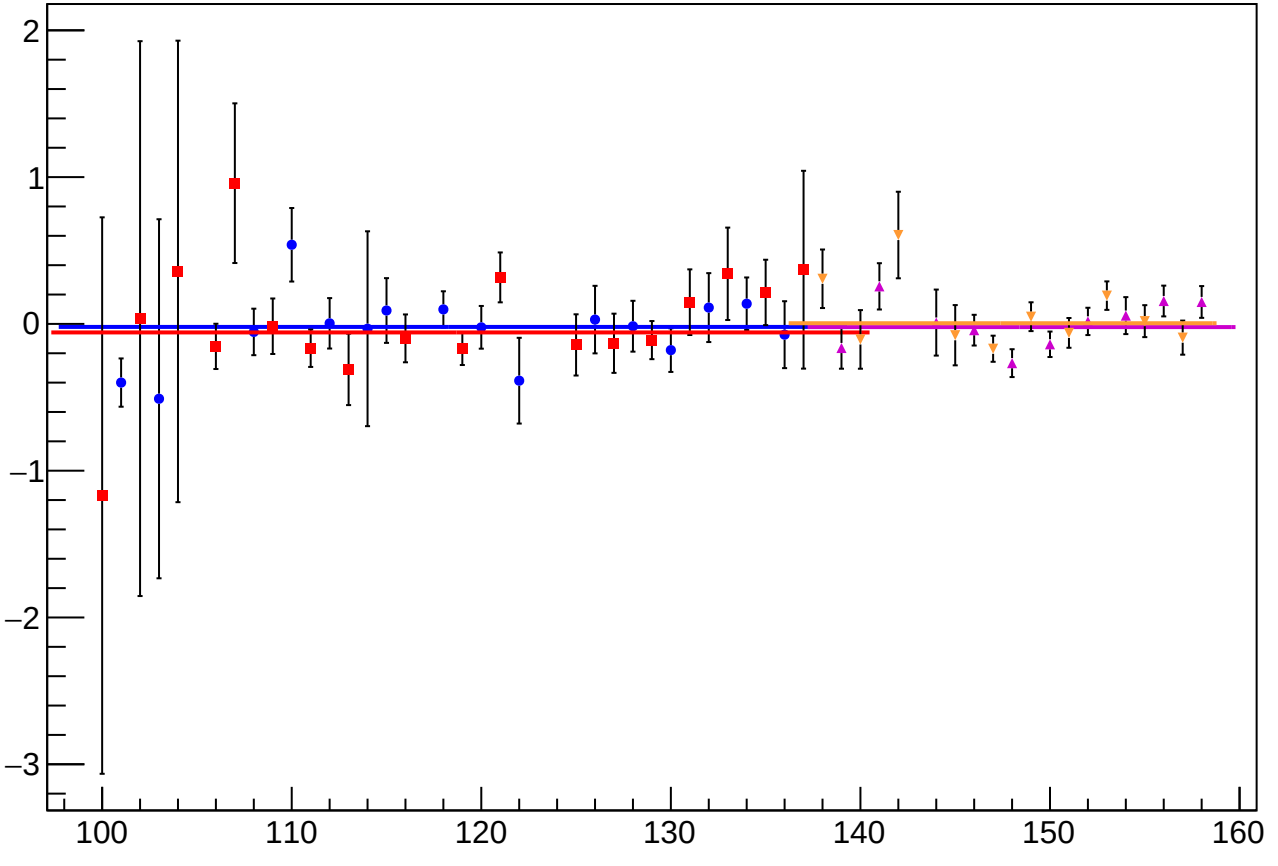
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3482540.6/25

Out: 0.004+/-0.000 χ^2/NDF:7978024.4/27

All: 0.004+/-0.000 χ^2/NDF: 12053449.8/53

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: 0.005+/-0.038 χ^2/NDF:15.9/9

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.022+/-0.035 χ^2/NDF:18.6/9

Left: -0.010+/-0.026 χ^2/NDF: 34.7/19

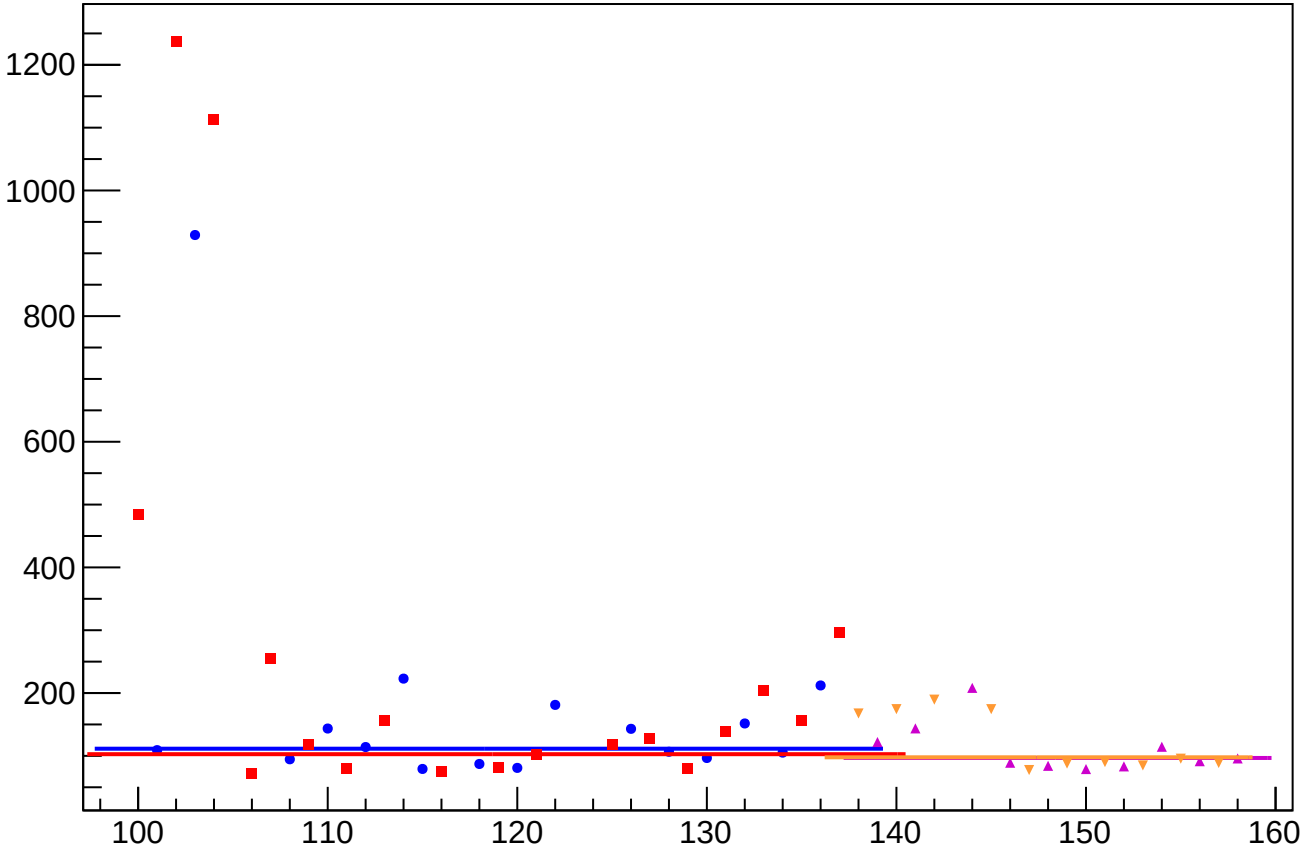
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.028 χ^2/NDF:34.3/25

Out: -0.021+/-0.030 χ^2/NDF:33.8/27

All: -0.021+/-0.020 χ^2/NDF: 68.0/53

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: 97.683+/-0.027 χ^2/NDF:1196452.4/9

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.655+/-0.025 χ^2/NDF:949966.8/9

Left: 97.126+/-0.018 χ^2/NDF: 2147194.5/19

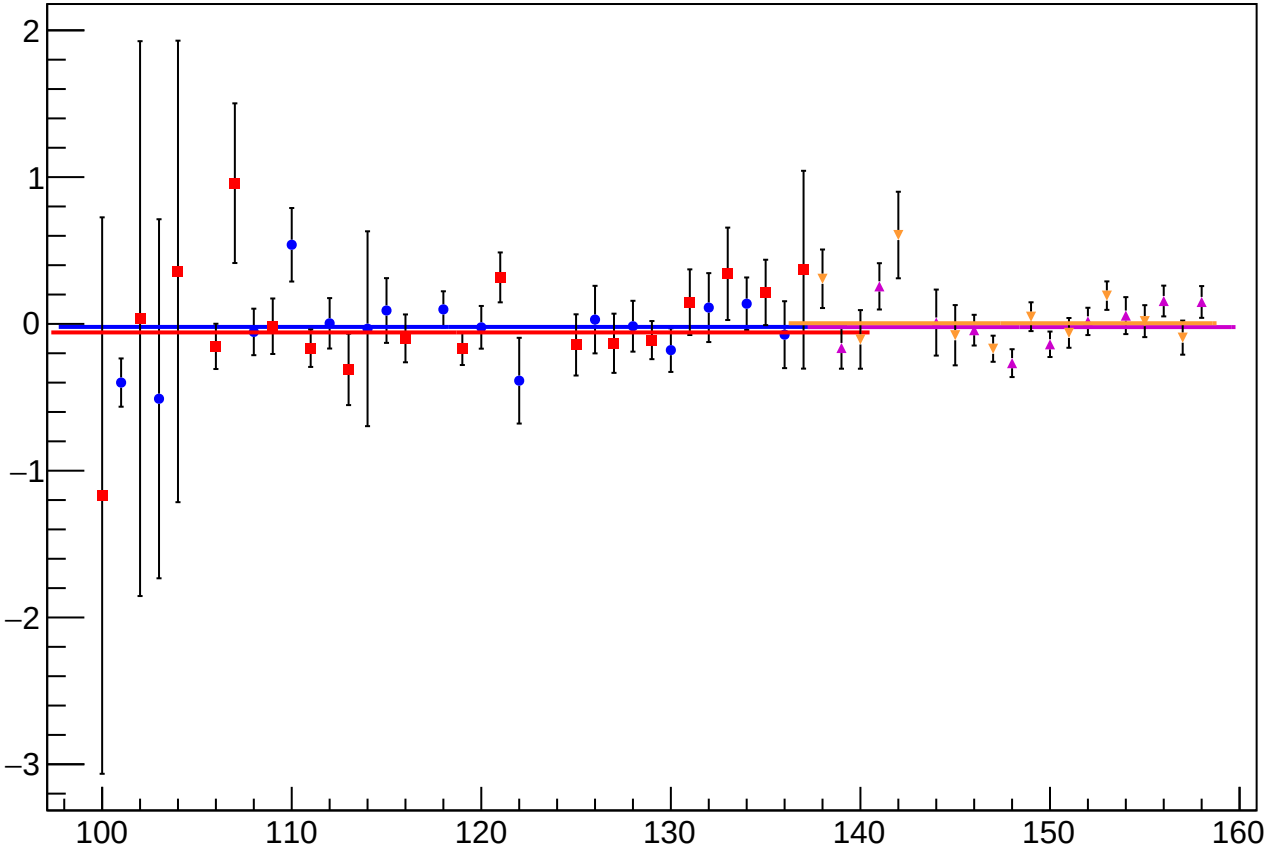
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.893+/-0.020 χ^2/NDF:2913060.7/25

Out: 99.711+/-0.021 χ^2/NDF:4037016.1/27

All: 100.847+/-0.014 χ^2/NDF: 6955736.6/53

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: 0.005+/-0.038 χ^2/NDF:15.9/9

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.022+/-0.035 χ^2/NDF:18.6/9

Left: -0.010+/-0.026 χ^2/NDF: 34.7/19

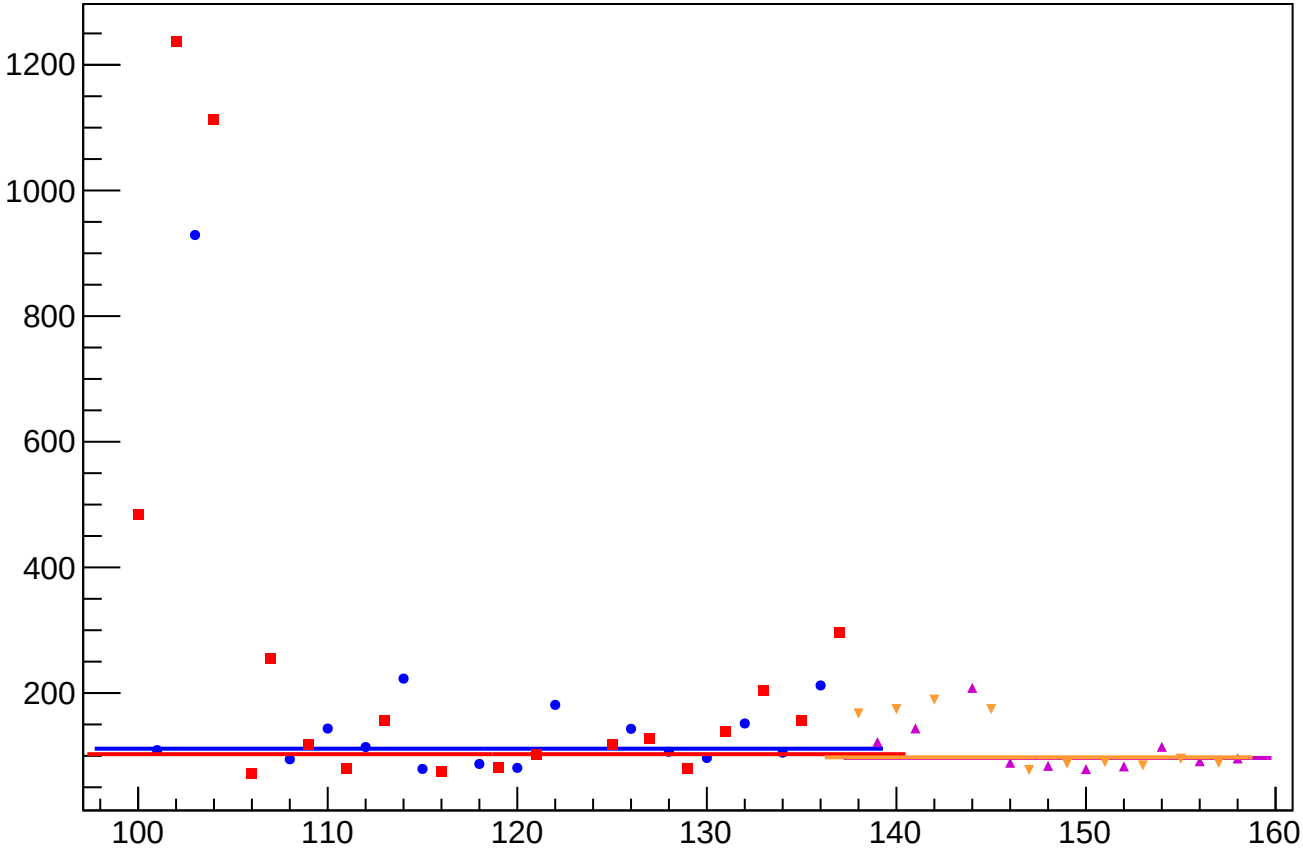
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.021+/-0.028 χ^2/NDF:34.3/25

Out: -0.021+/-0.030 χ^2/NDF:33.8/27

All: -0.021+/-0.020 χ^2/NDF: 68.0/53

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: 97.683+/-0.027 χ^2/NDF:1196452.4/9

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.655+/-0.025 χ^2/NDF:949966.8/9

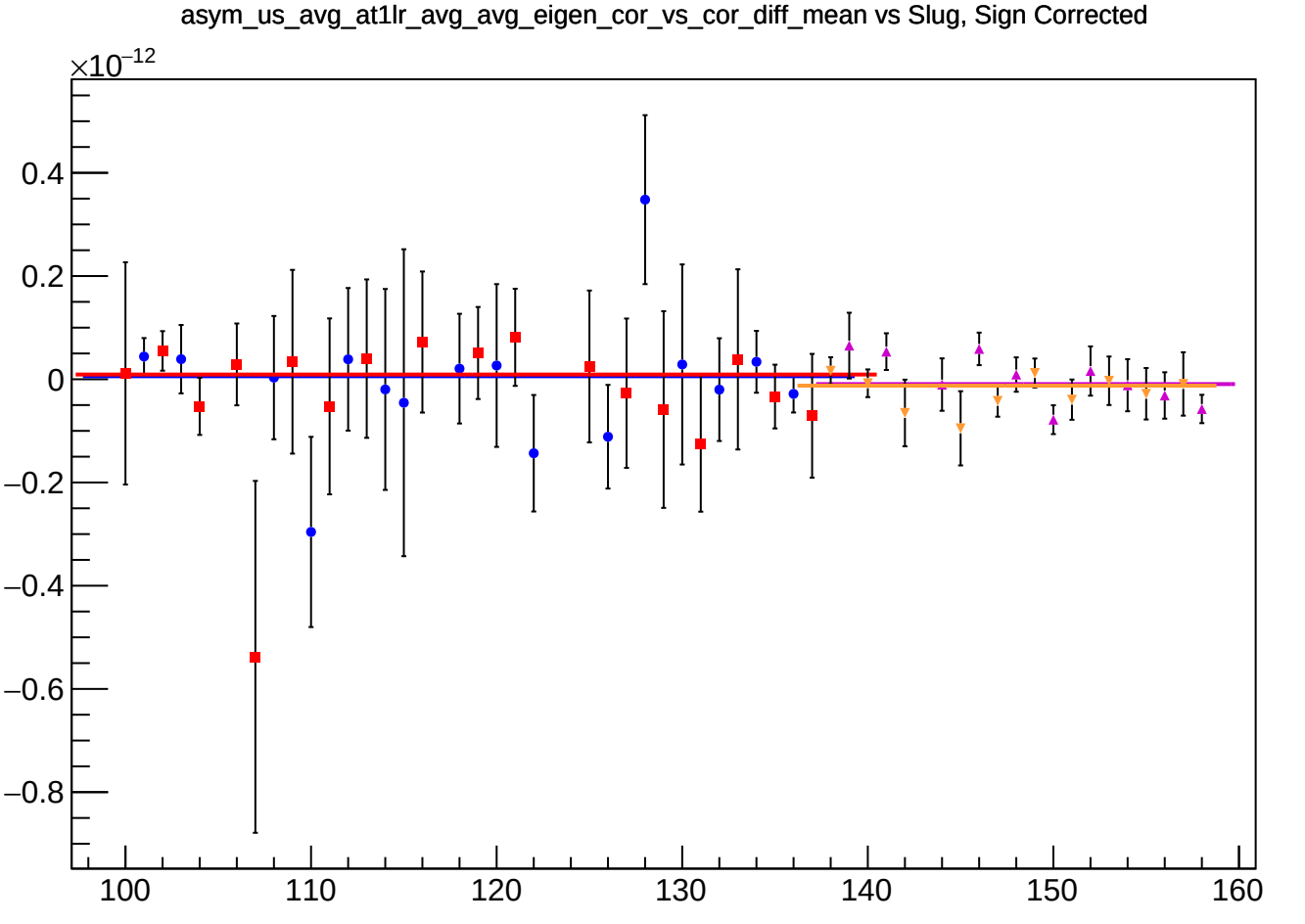
Left: 97.126+/-0.018 χ^2/NDF: 2147194.5/19

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.893+/-0.020 χ^2/NDF:2913060.7/25

Out: 99.711+/-0.021 χ^2/NDF:4037016.1/27

All: 100.847+/-0.014 χ^2/NDF: 6955736.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:19.2/9

Left: -0.000+/-0.000 χ^2/NDF: 24.8/19

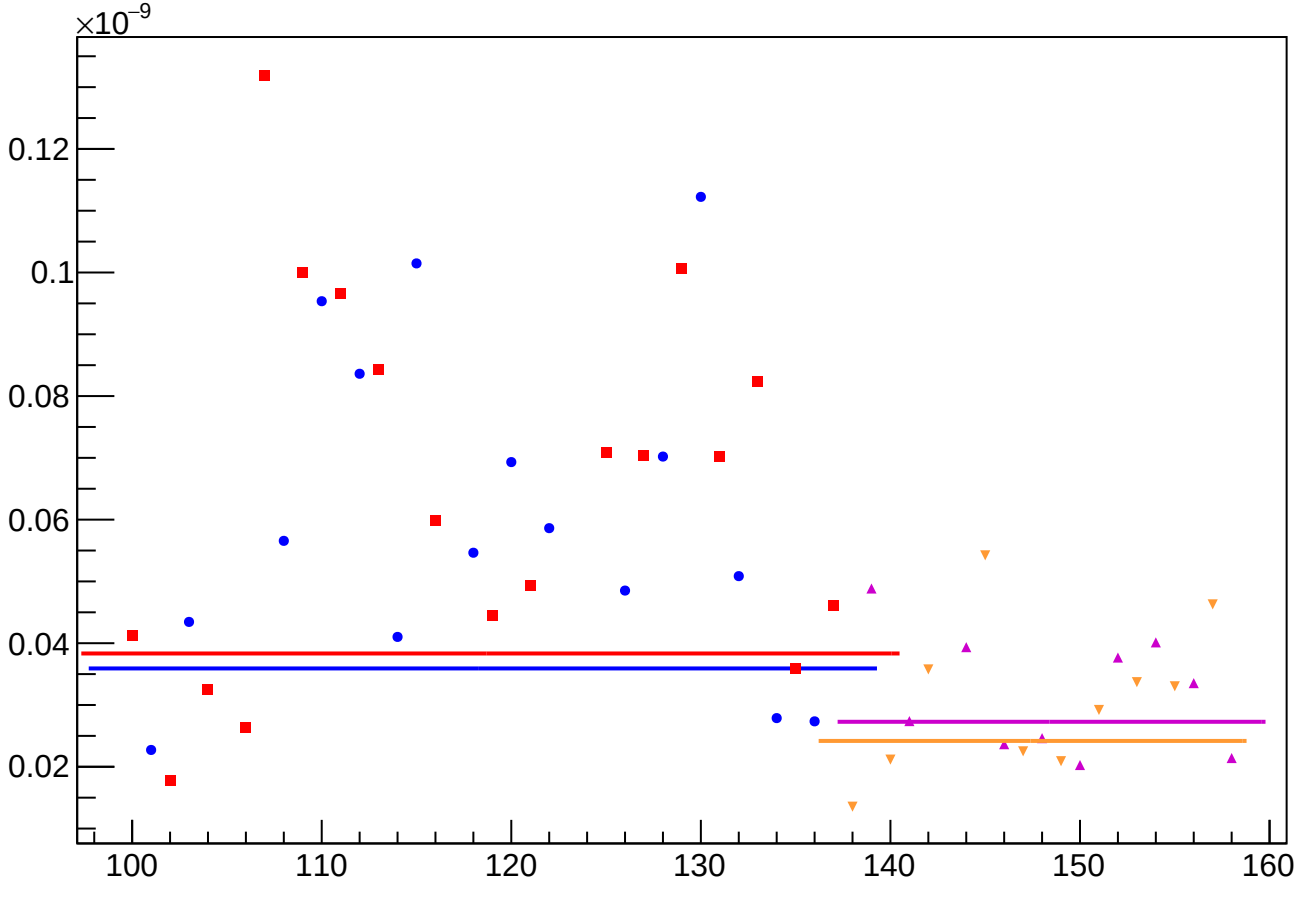
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:32.6/25

Out: -0.000+/-0.000 χ^2/NDF:15.0/27

All: -0.000+/-0.000 χ^2/NDF: 47.6/53

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1237921.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:862370.5/9

Left: 0.000+/-0.000 χ^2/NDF: 2170598.2/19

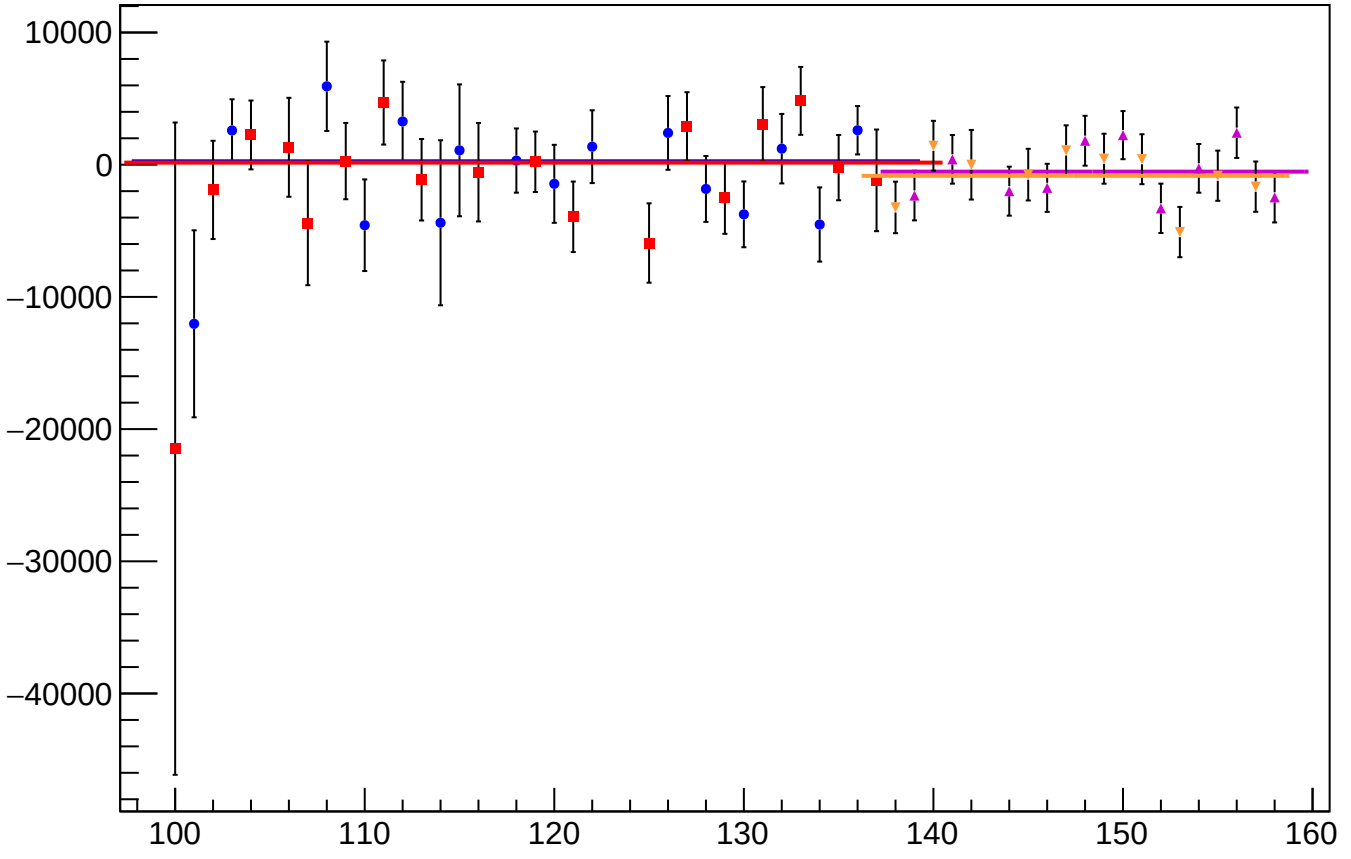
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2916360.1/25

Out: 0.000+/-0.000 χ^2/NDF:4105297.6/27

All: 0.000+/-0.000 χ^2/NDF: 7071737.2/53

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -840.079+/-618.058 χ^2/NDF:10.2/9

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -524.082+/-588.253 χ^2/NDF:11.8/9

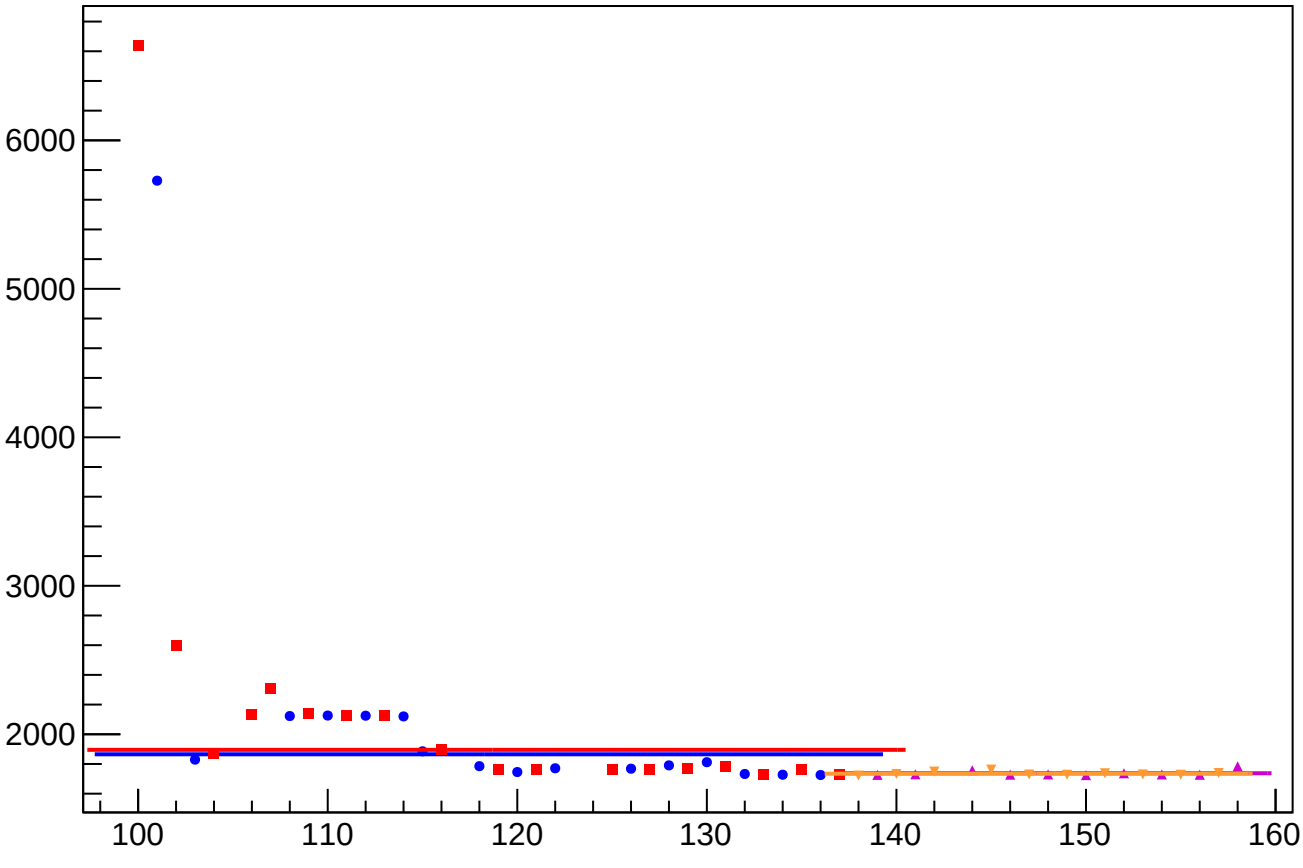
Left: -674.278+/-426.105 χ^2/NDF: 22.1/19

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -204.972+/-452.900 χ^2/NDF:31.9/25

Out: -410.829+/-466.826 χ^2/NDF:29.4/27

All: -304.784+/-325.060 χ^2/NDF: 61.4/53



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.503+/-0.437 χ^2/NDF:640.6/9

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

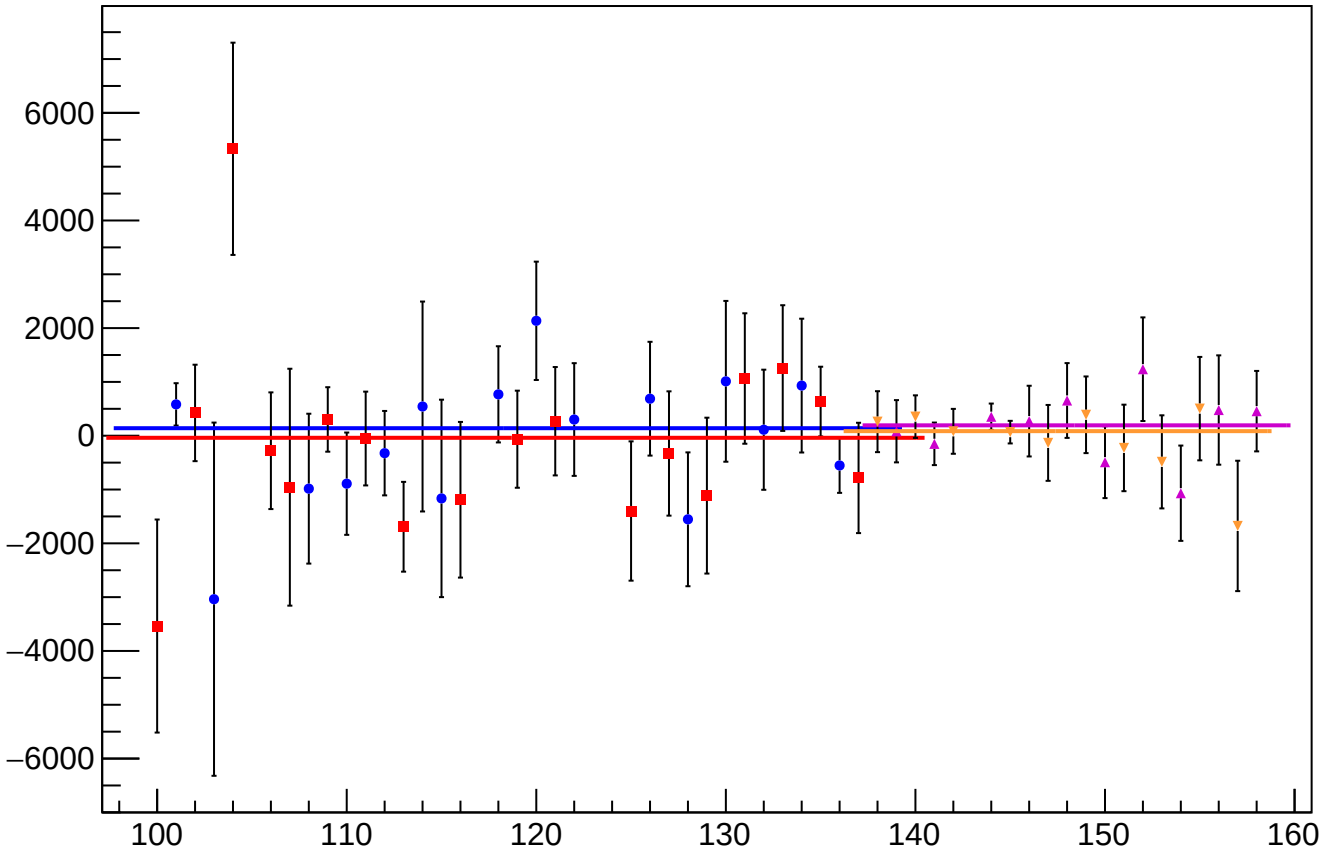
Left: 1736.084+/-0.301 χ^2/NDF: 2481.6/19

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1789.502+/-0.320 χ^2/NDF:712896.4/25

Out: 1803.544+/-0.330 χ^2/NDF:309553.6/27

All: 1796.311+/-0.230 χ^2/NDF: 1023382.2/53



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 85.020+/-146.532 χ^2/NDF:3.7/9

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 192.989+/-162.687 χ^2/NDF:6.1/9

Left: 133.379+/-108.878 χ^2/NDF: 10.1/19

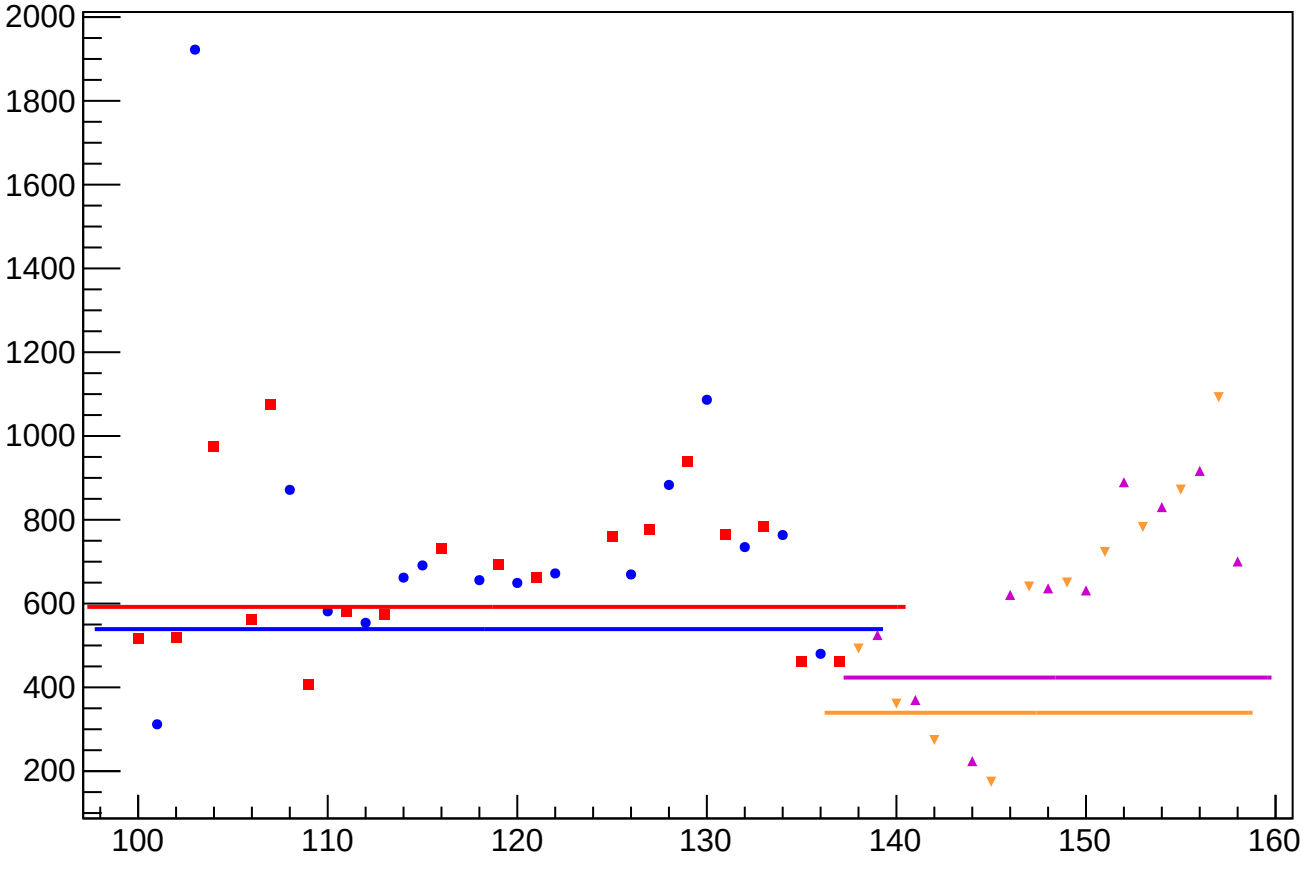
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 174.196+/-130.828 χ^2/NDF:19.6/25

Out: 51.085+/-124.815 χ^2/NDF:25.3/27

All: 109.747+/-90.308 χ^2/NDF: 45.4/53

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: 339.420+/-0.104 χ^2/NDF:4546557.4/9

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 423.383+/-0.115 χ^2/NDF:3623674.4/9

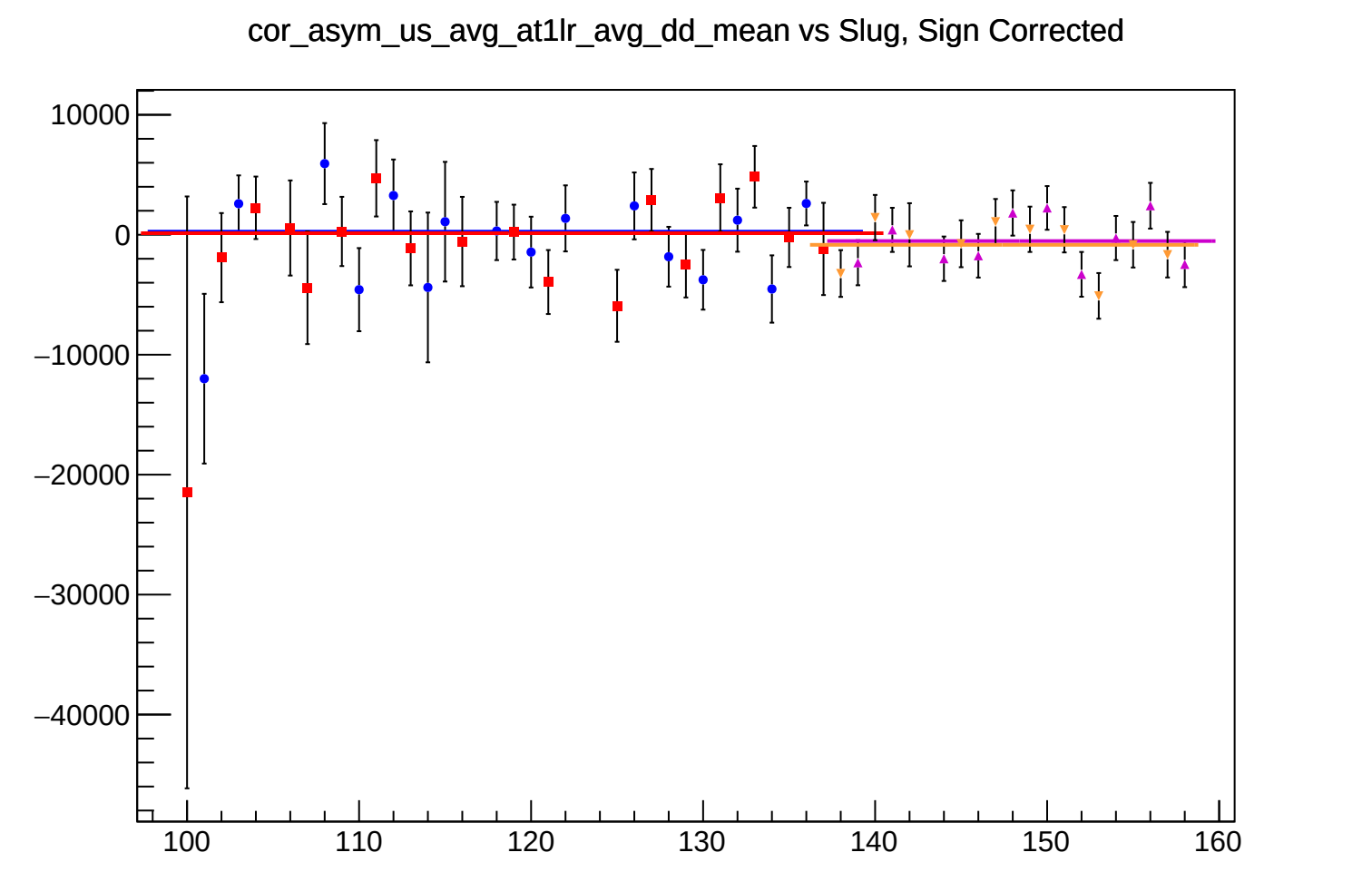
Left: 377.027+/-0.077 χ^2/NDF: 8464349.9/19

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 464.238+/-0.093 χ^2/NDF:5835233.7/25

Out: 408.767+/-0.088 χ^2/NDF:7021803.3/27

All: 435.198+/-0.064 χ^2/NDF: 13045263.6/53



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -840.032+/-618.058 χ^2/NDF:10.2/9

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -524.153+/-588.253 χ^2/NDF:11.8/9

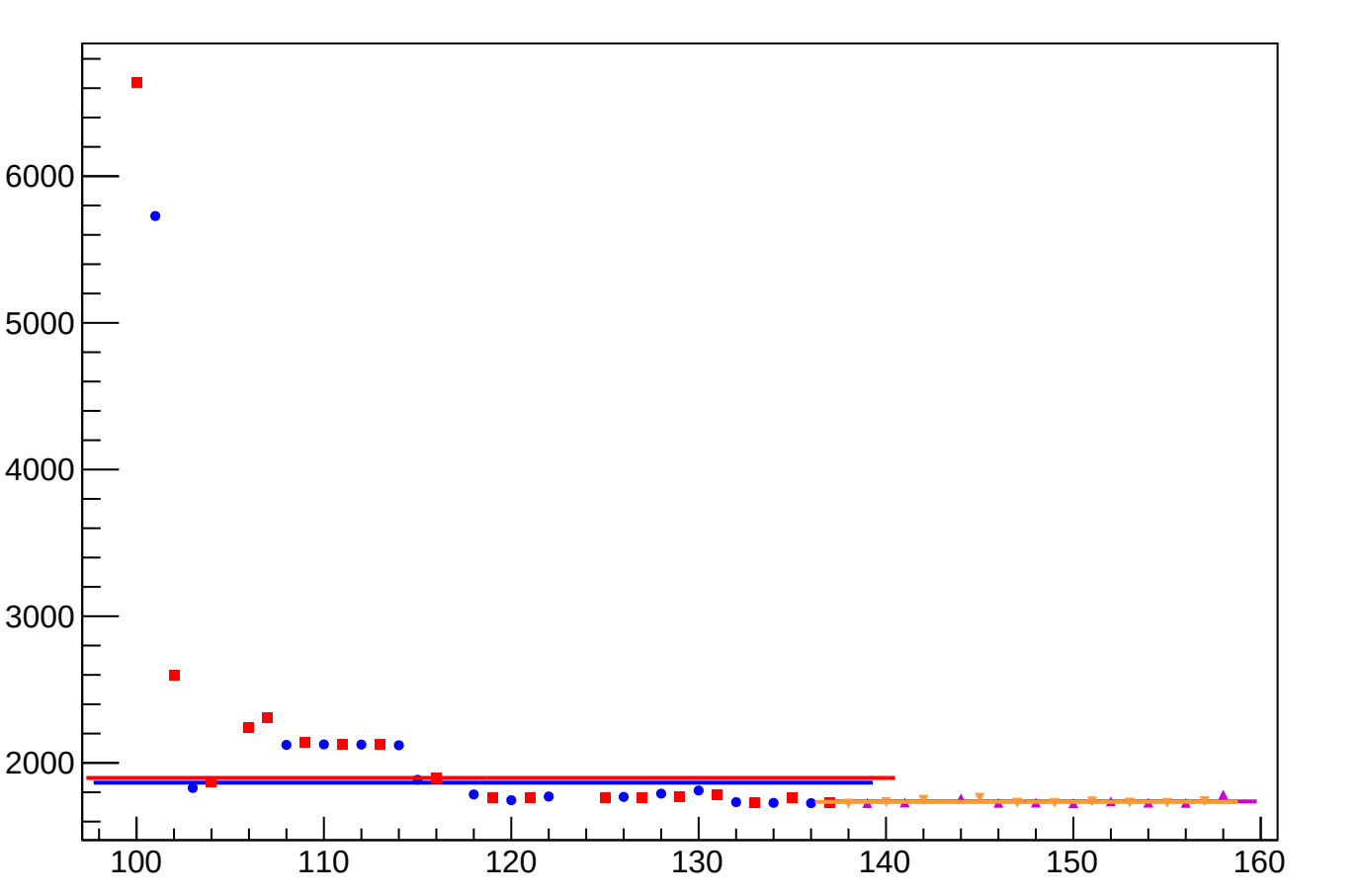
Left: -674.293+/-426.105 χ^2/NDF: 22.1/19

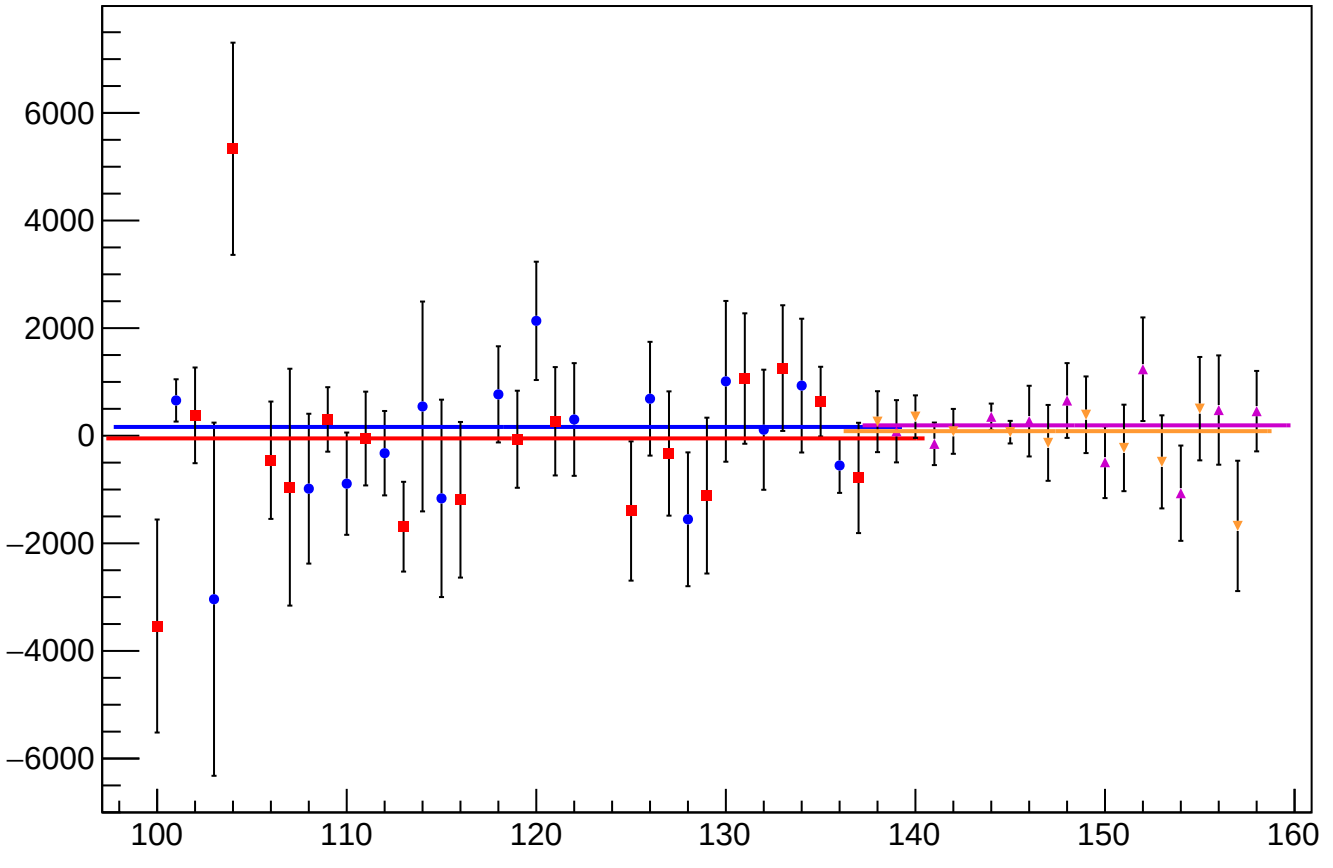
Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -204.938+/-452.900 χ^2/NDF:31.9/25

Out: -424.318+/-467.222 χ^2/NDF:29.2/27

All: -311.214+/-325.194 χ^2/NDF: 61.3/53


cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.503+/-0.437 χ²/NDF:640.6/9
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1737.516+/-0.416 χ²/NDF:1816.1/9
Left: 1736.084+/-0.301 χ²/NDF: 2481.6/19
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1789.502+/-0.320 χ²/NDF:712896.3/25
Out: 1804.439+/-0.330 χ²/NDF:318132.2/27
All: 1796.738+/-0.230 χ²/NDF: 1032082.3/53



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 84.896+/-146.535 χ^2/NDF:3.7/9

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 192.997+/-162.688 χ^2/NDF:6.1/9

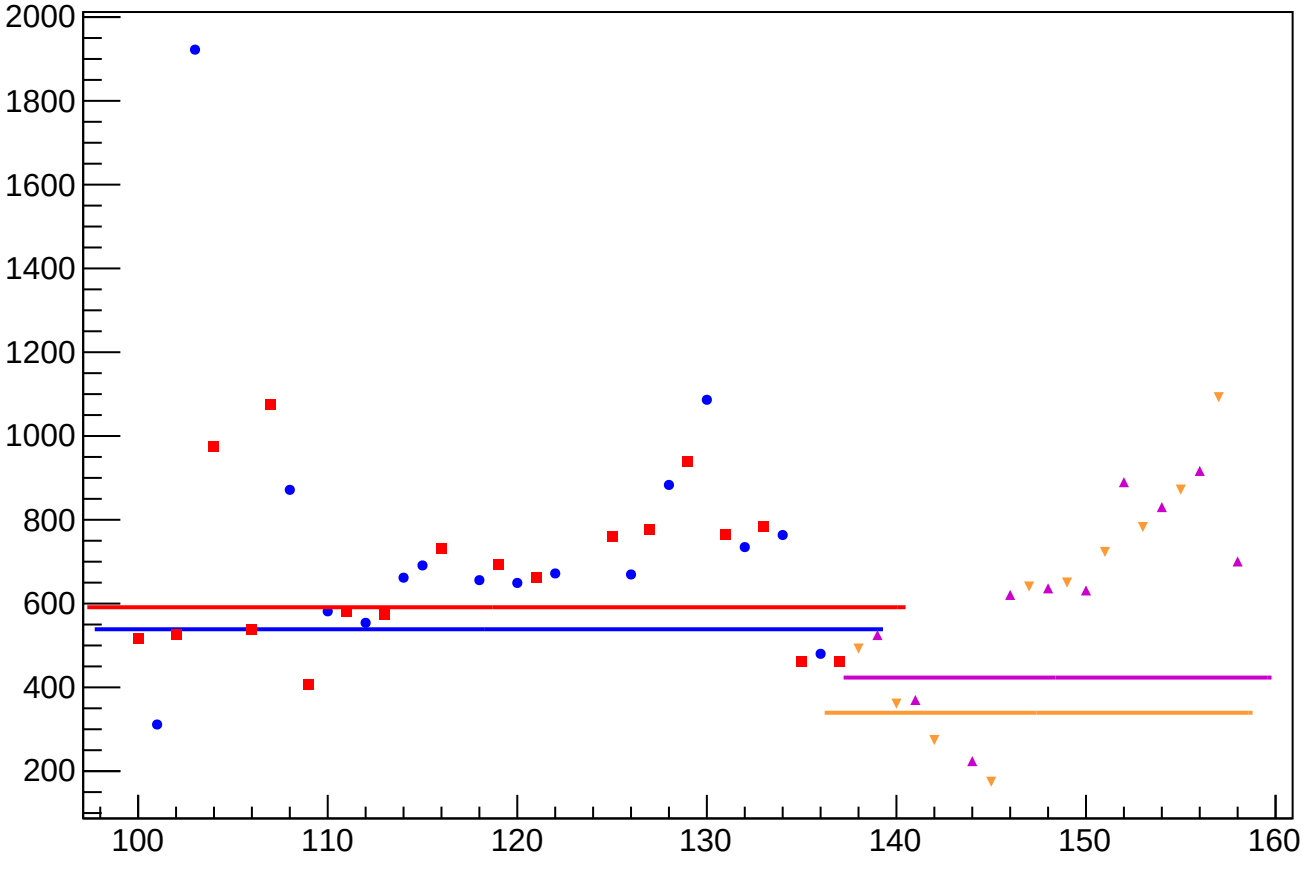
Left: 133.315+/-108.880 χ^2/NDF: 10.1/19

Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 182.447+/-130.812 χ^2/NDF:20.0/25

Out: 47.966+/-124.809 χ^2/NDF:25.4/27

All: 112.049+/-90.301 χ^2/NDF: 46.0/53



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 339.428+/-0.104 χ^2/NDF:4546454.2/9

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 423.392+/-0.115 χ^2/NDF:3623381.4/9

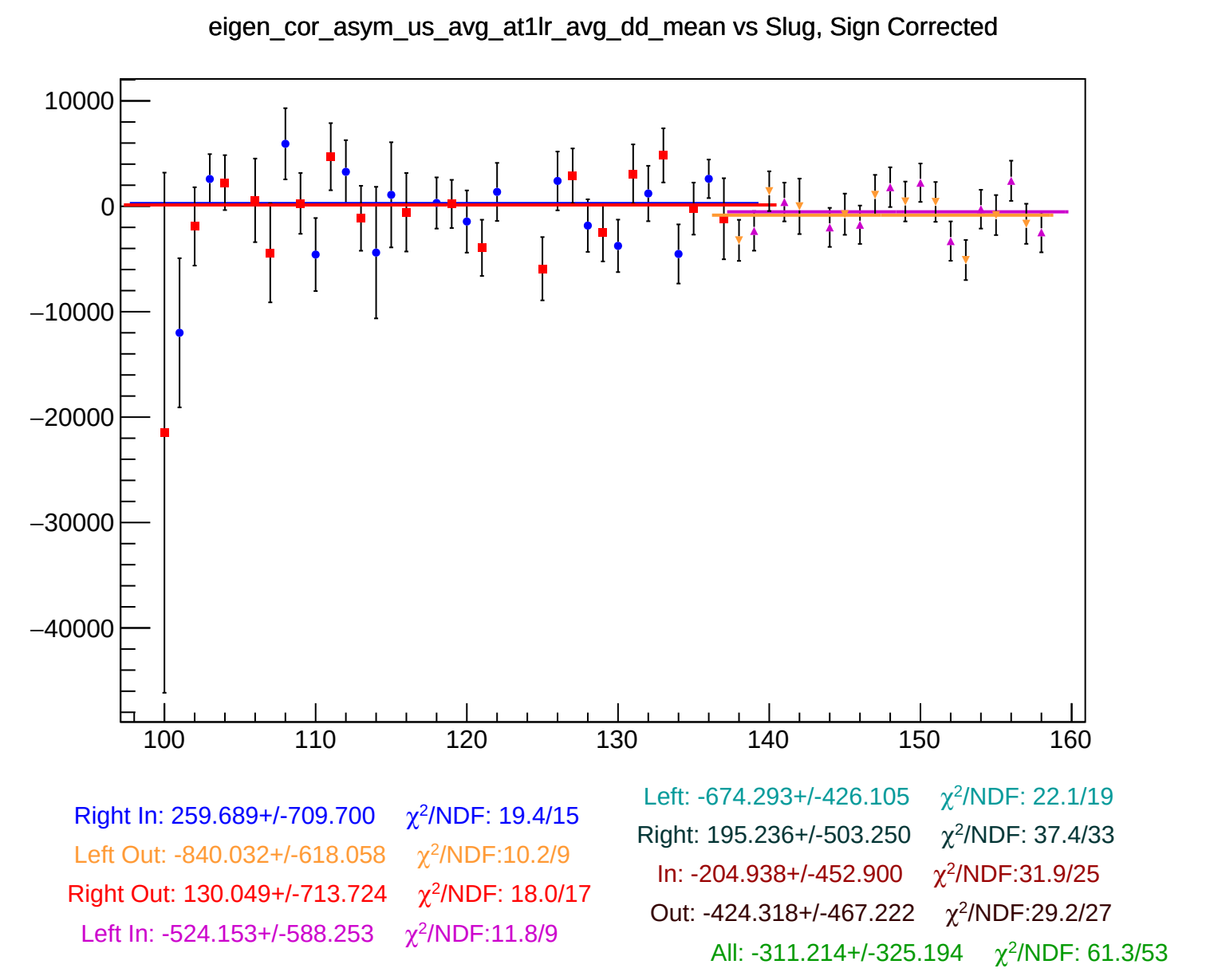
Left: 377.036+/-0.077 χ^2/NDF: 8463949.6/19

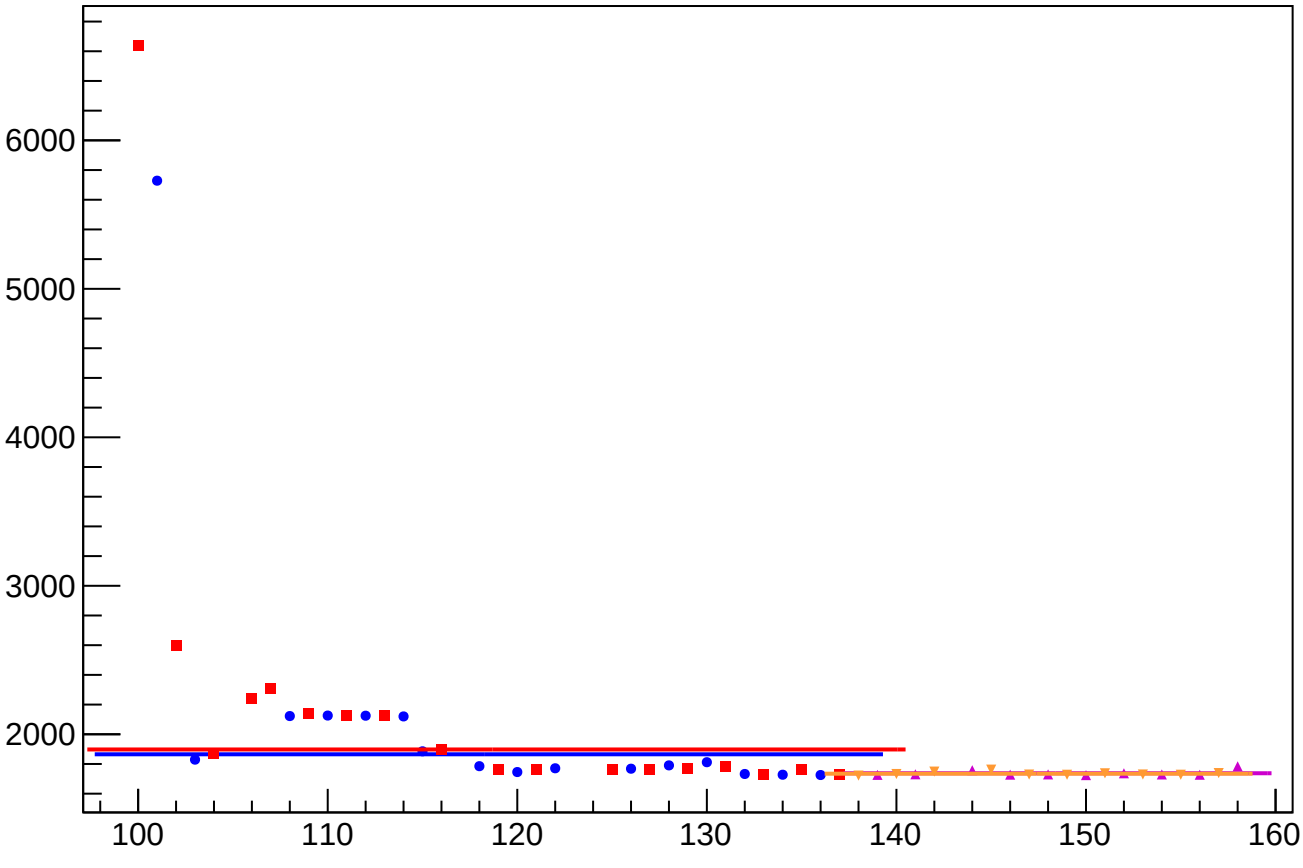
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 464.151+/-0.092 χ^2/NDF:5837431.9/25

Out: 408.562+/-0.088 χ^2/NDF:7012509.1/27

All: 435.052+/-0.064 χ^2/NDF: 13039002.2/53


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -840.032+/-618.058 χ²/NDF:10.2/9
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -524.153+/-588.253 χ²/NDF:11.8/9
Left: -674.293+/-426.105 χ²/NDF: 22.1/19
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -204.938+/-452.900 χ²/NDF:31.9/25
Out: -424.318+/-467.222 χ²/NDF:29.2/27
All: -311.214+/-325.194 χ²/NDF: 61.3/53



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.503+/-0.437 χ^2/NDF:640.6/9

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

Left: 1736.084+/-0.301 χ^2/NDF: 2481.6/19

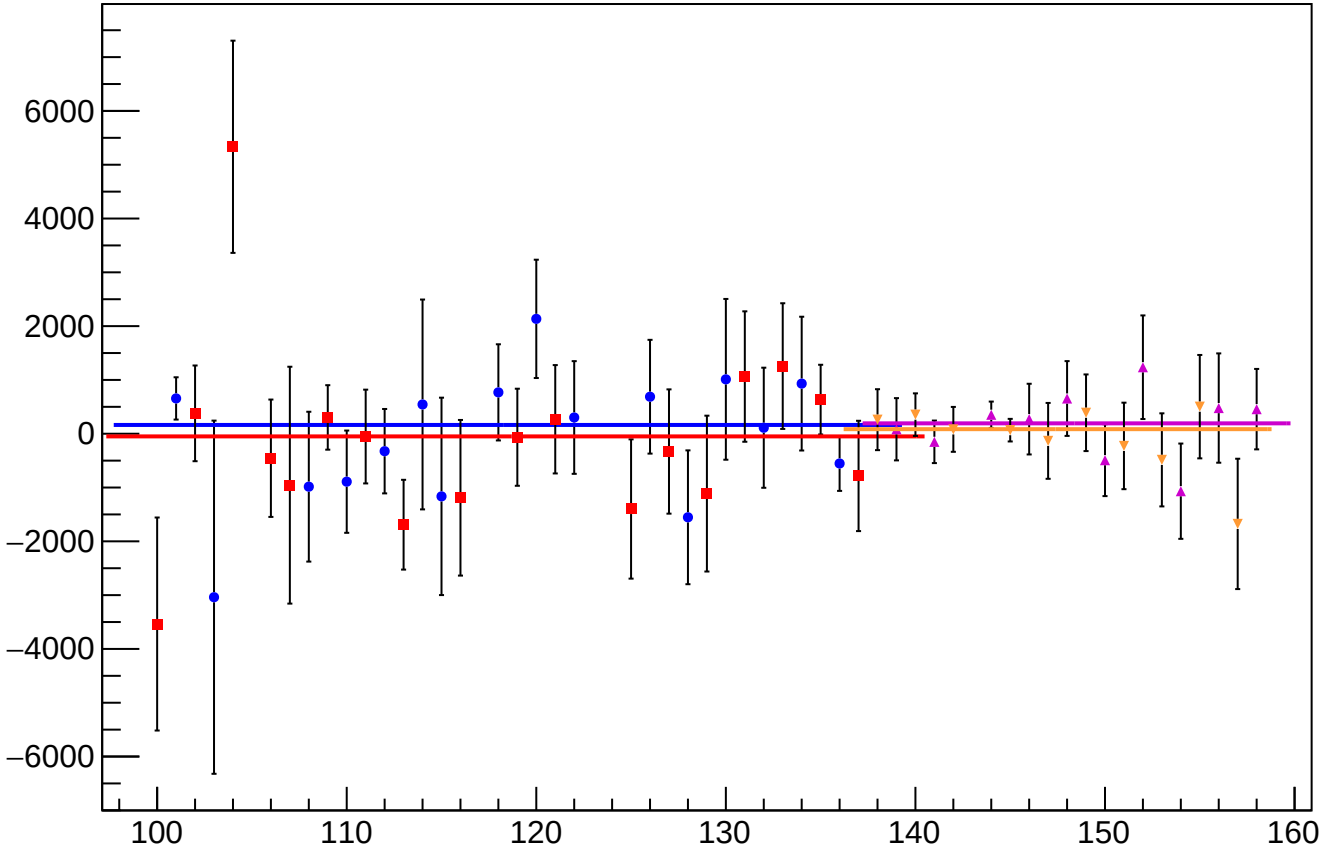
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1789.502+/-0.320 χ^2/NDF:712896.3/25

Out: 1804.439+/-0.330 χ^2/NDF:318132.2/27

All: 1796.738+/-0.230 χ^2/NDF: 1032082.3/53

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 84.896+/-146.535 χ^2/NDF:3.7/9

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 192.997+/-162.688 χ^2/NDF:6.1/9

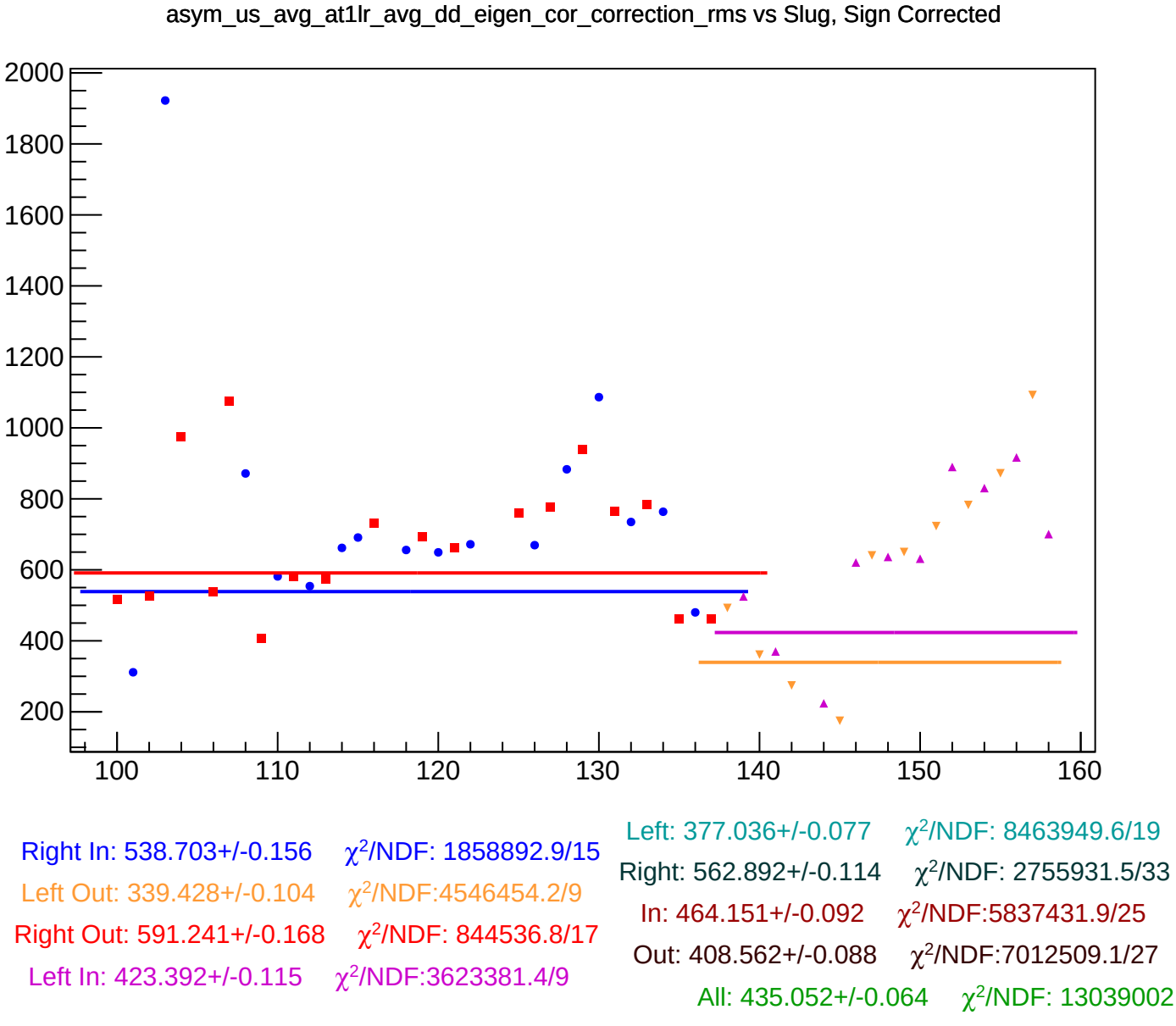
Left: 133.315+/-108.880 χ^2/NDF: 10.1/19

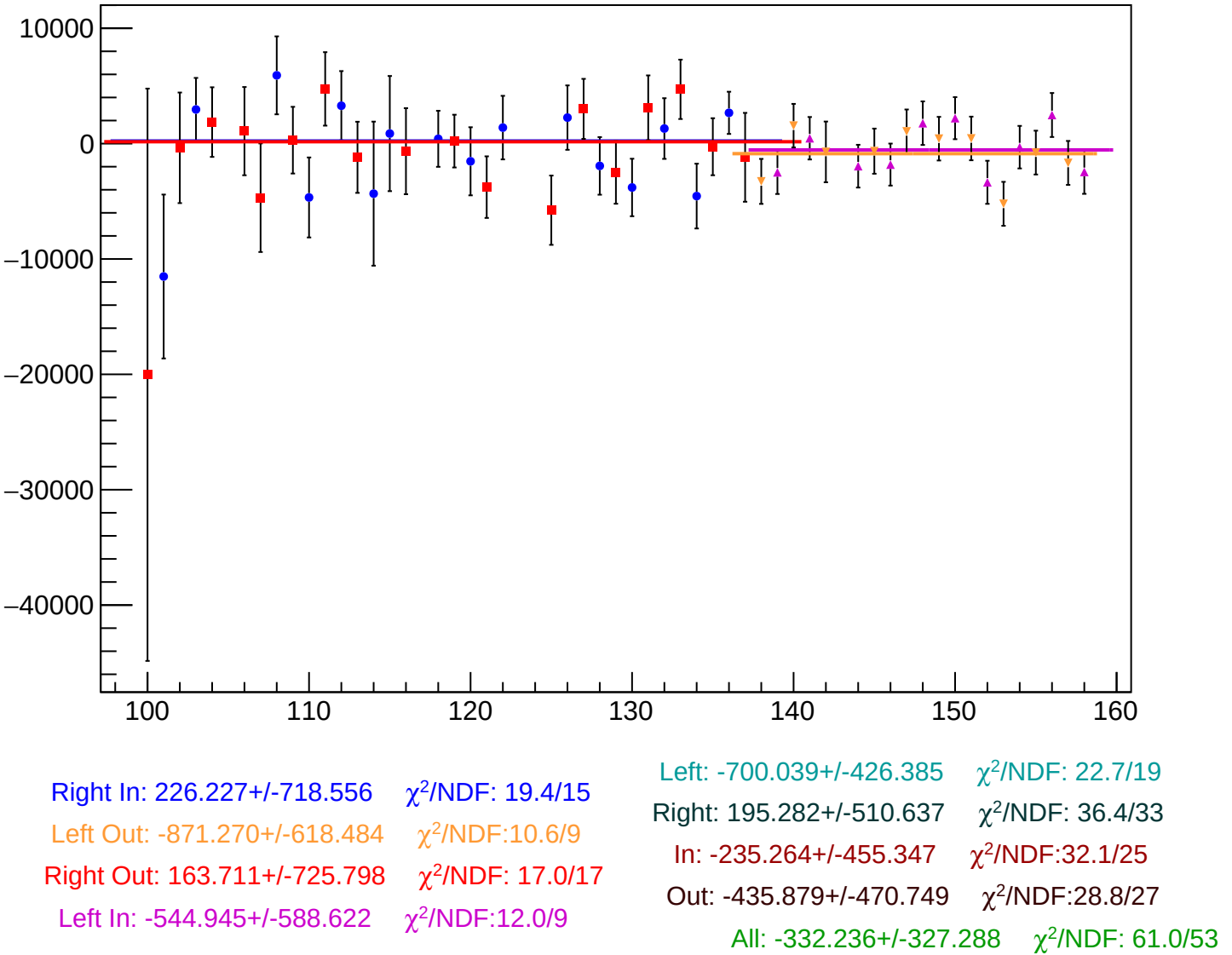
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

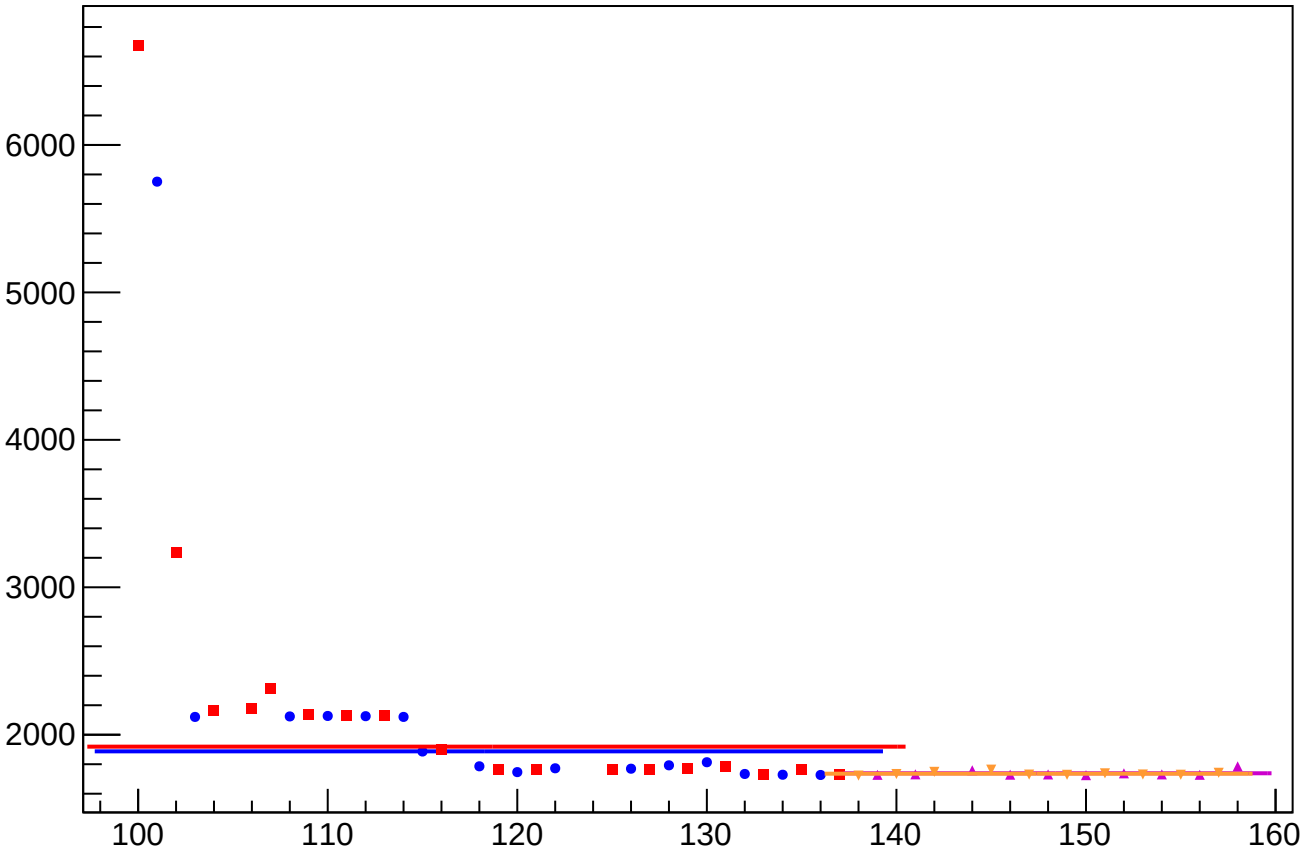
In: 182.447+/-130.812 χ^2/NDF:20.0/25

Out: 47.966+/-124.809 χ^2/NDF:25.4/27

All: 112.049+/-90.301 χ^2/NDF: 46.0/53


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 538.703+/-0.156 χ²/NDF: 1858892.9/15
Left Out: 339.428+/-0.104 χ²/NDF:4546454.2/9
Right Out: 591.241+/-0.168 χ²/NDF: 844536.8/17
Left In: 423.392+/-0.115 χ²/NDF:3623381.4/9
Left: 377.036+/-0.077 χ²/NDF: 8463949.6/19
Right: 562.892+/-0.114 χ²/NDF: 2755931.5/33
In: 464.151+/-0.092 χ²/NDF:5837431.9/25
Out: 408.562+/-0.088 χ²/NDF:7012509.1/27
All: 435.052+/-0.064 χ²/NDF: 13039002.2/53


dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -871.270+/-618.484 χ²/NDF:10.6/9
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -544.945+/-588.622 χ²/NDF:12.0/9
Left: -700.039+/-426.385 χ²/NDF: 22.7/19
Right: 195.282+/-510.637 χ²/NDF: 36.4/33
In: -235.264+/-455.347 χ²/NDF:32.1/25
Out: -435.879+/-470.749 χ²/NDF:28.8/27
All: -332.236+/-327.288 χ²/NDF: 61.0/53



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.696+/-0.437 χ^2/NDF:647.6/9

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1738.601+/-0.416 χ^2/NDF:1814.9/9

Left: 1737.220+/-0.301 χ^2/NDF: 2485.7/19

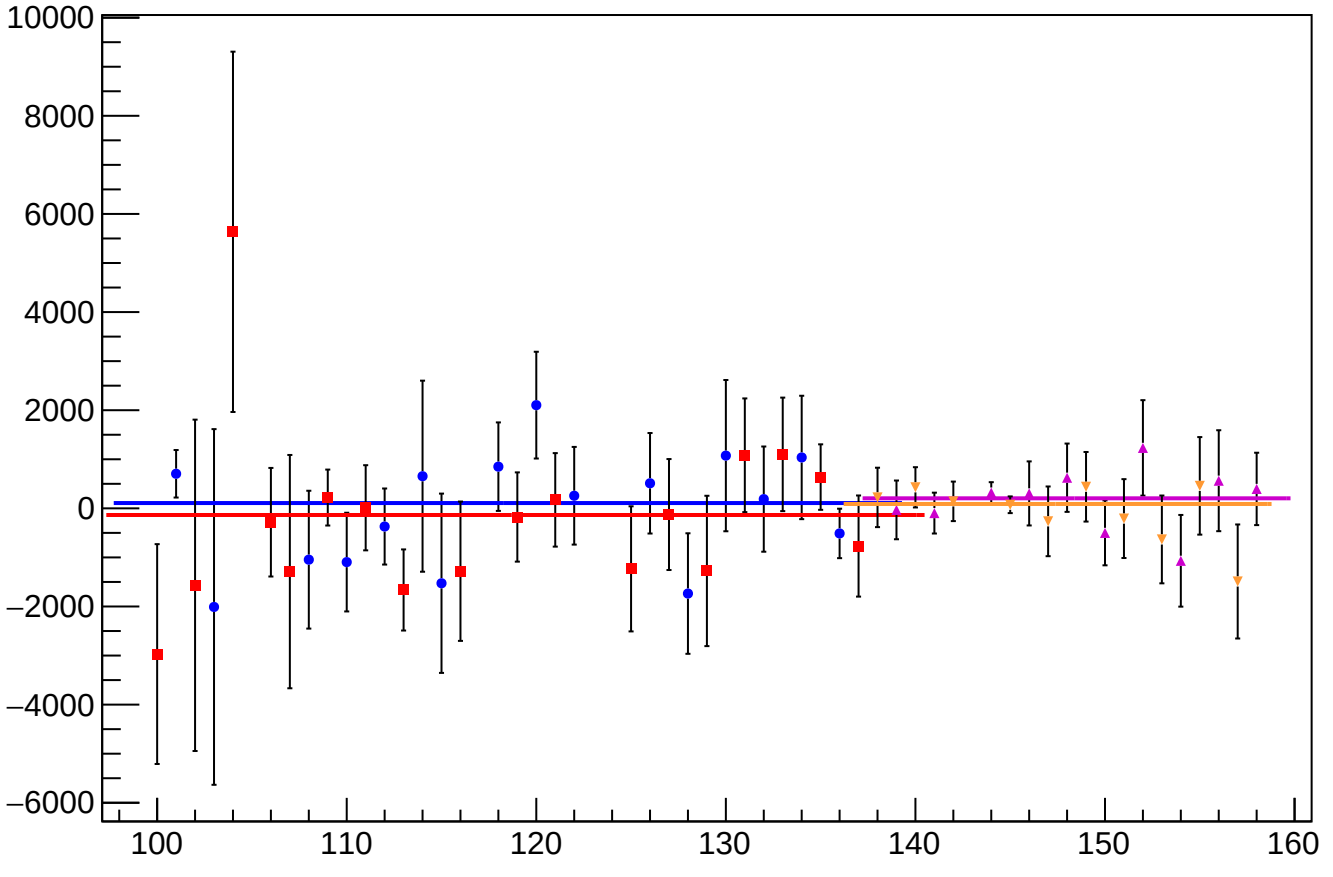
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1798.318+/-0.322 χ^2/NDF:742519.5/25

Out: 1812.877+/-0.333 χ^2/NDF:427250.7/27

All: 1805.355+/-0.231 χ^2/NDF: 1170758.4/53

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 89.104+/-131.496 χ^2/NDF:4.0/9

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 204.449+/-153.511 χ^2/NDF:5.7/9

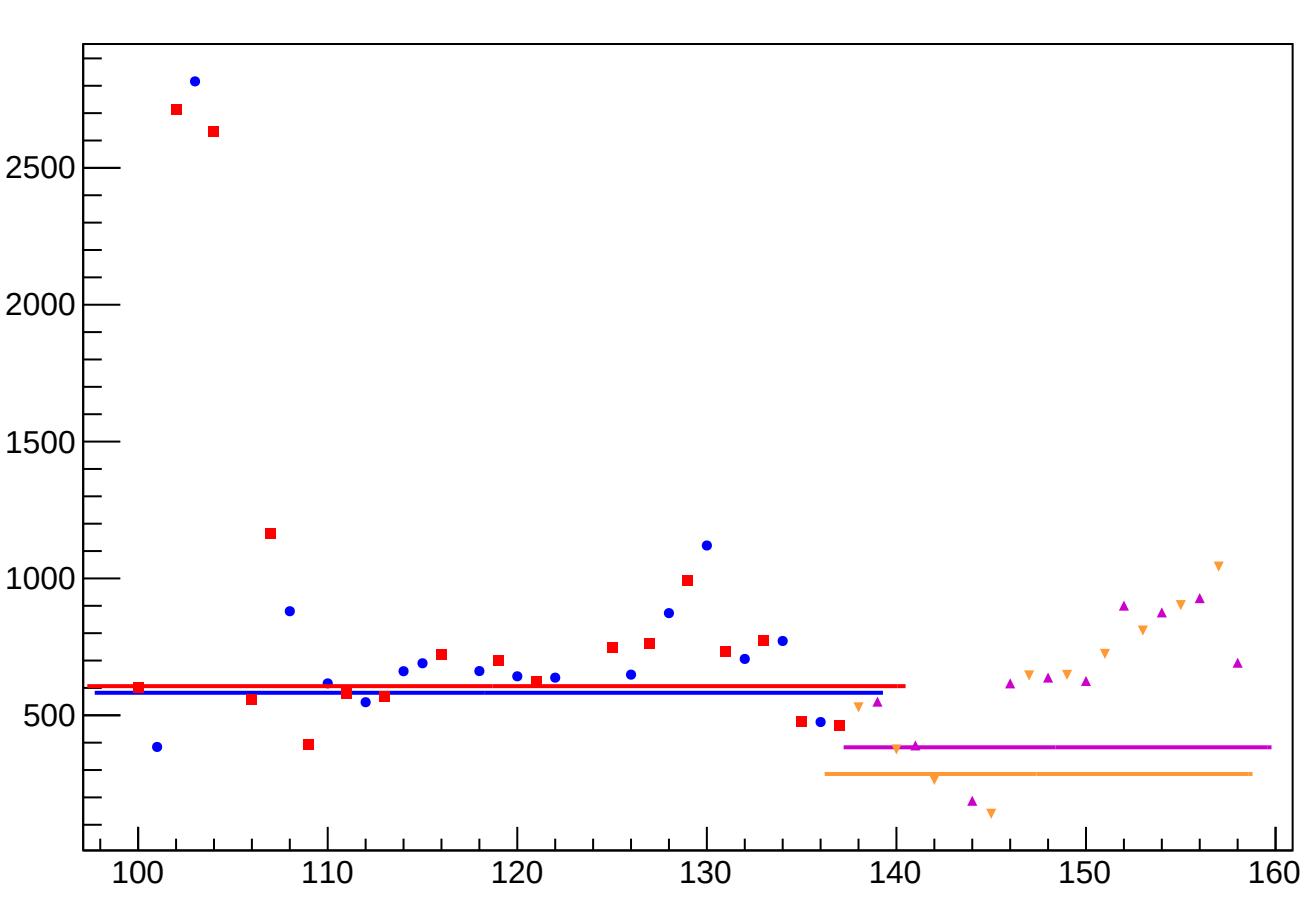
Left: 137.920+/-99.867 χ^2/NDF: 10.0/19

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 175.069+/-127.974 χ^2/NDF:19.9/25

Out: 39.201+/-115.961 χ^2/NDF:19.0/27

All: 100.460+/-85.931 χ^2/NDF: 39.6/53



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 285.616+/-0.093 χ^2/NDF:5818753.0/9

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 383.008+/-0.109 χ^2/NDF:4677014.2/9

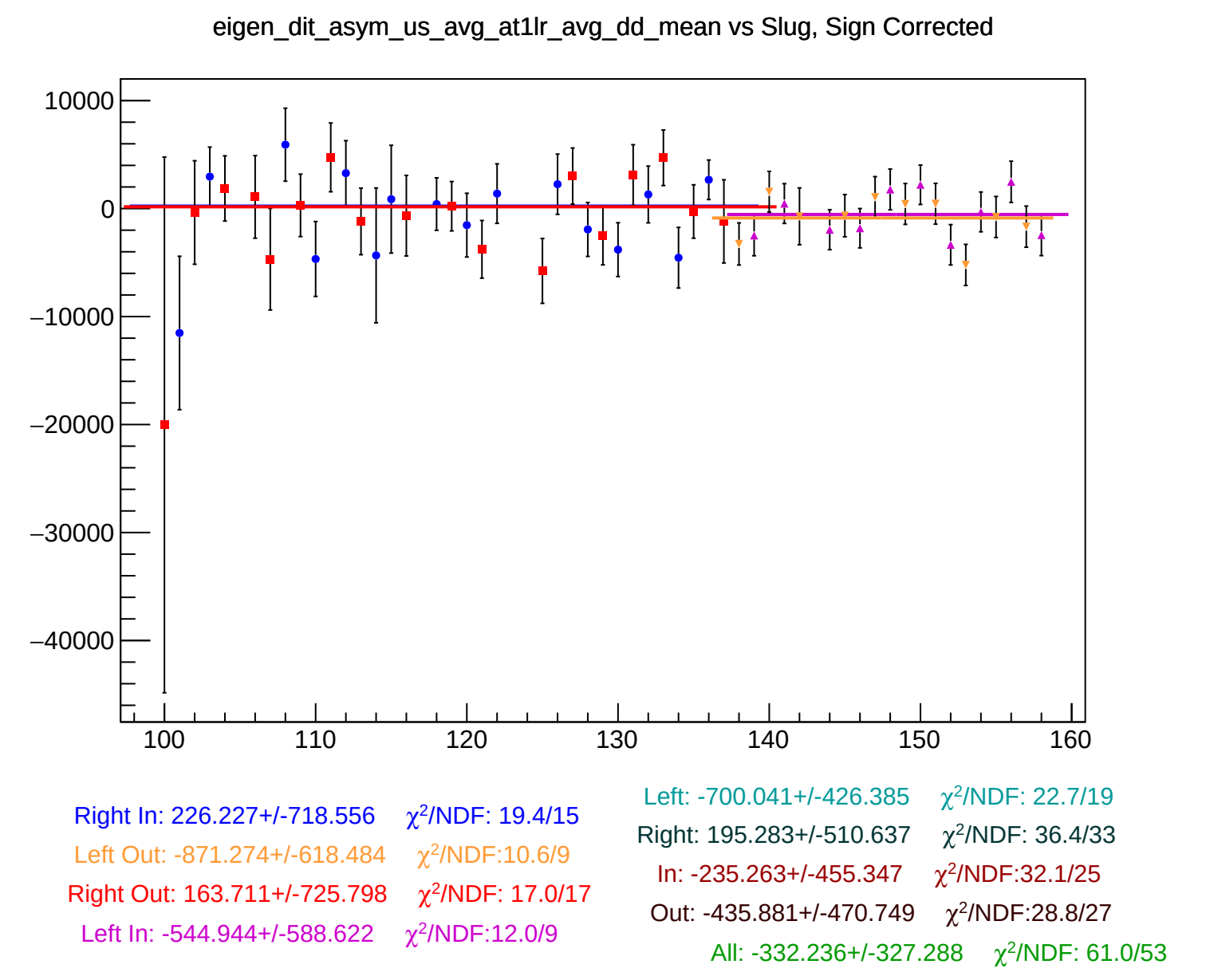
Left: 326.834+/-0.071 χ^2/NDF: 10960079.7/19

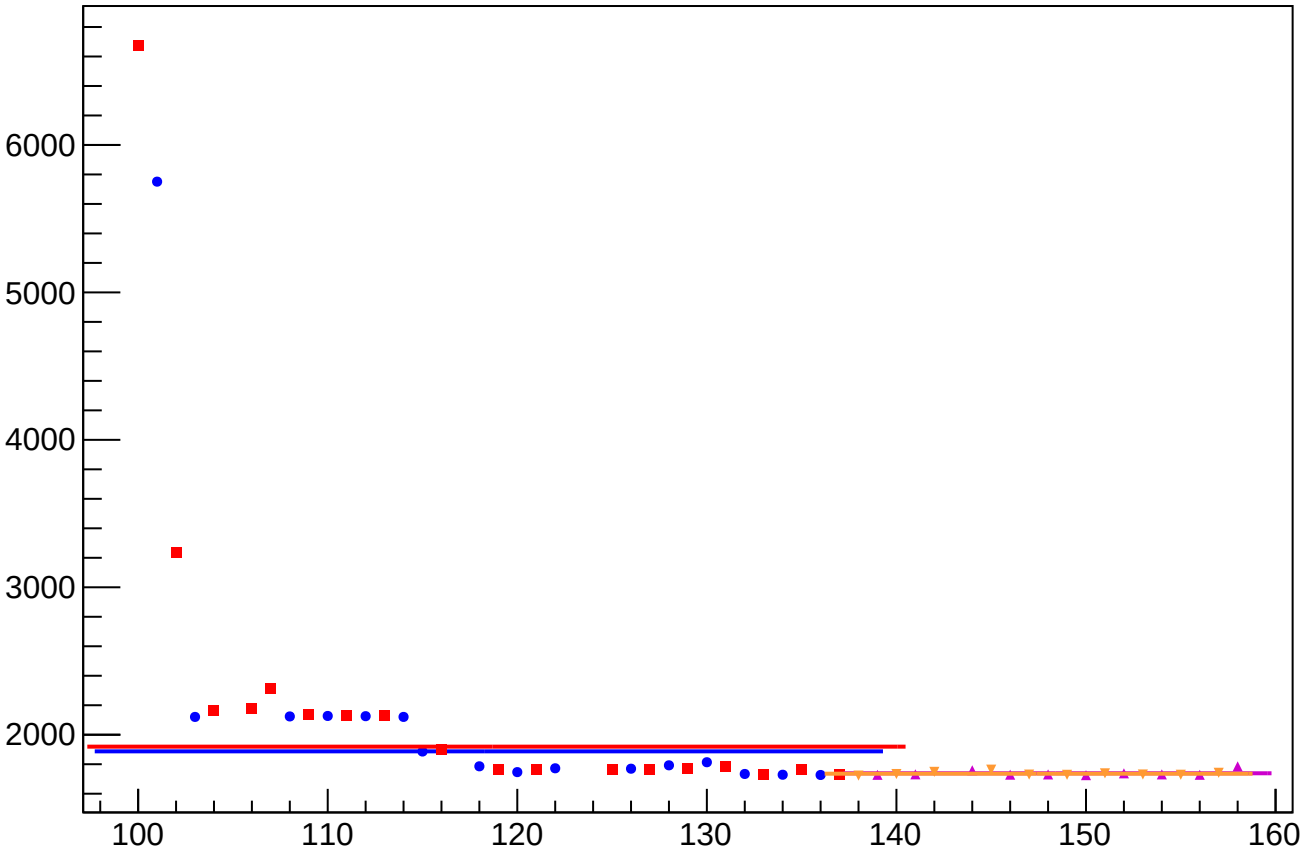
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 443.790+/-0.090 χ^2/NDF:7459211.8/25

Out: 356.946+/-0.082 χ^2/NDF:10664157.4/27

All: 396.102+/-0.061 χ^2/NDF: 18629120.2/53


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -871.274+/-618.484 χ²/NDF:10.6/9
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -544.944+/-588.622 χ²/NDF:12.0/9
Left: -700.041+/-426.385 χ²/NDF: 22.7/19
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -235.263+/-455.347 χ²/NDF:32.1/25
Out: -435.881+/-470.749 χ²/NDF:28.8/27
All: -332.236+/-327.288 χ²/NDF: 61.0/53



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.696+/-0.437 χ^2/NDF:647.6/9

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1738.601+/-0.416 χ^2/NDF:1814.9/9

Left: 1737.220+/-0.301 χ^2/NDF: 2485.7/19

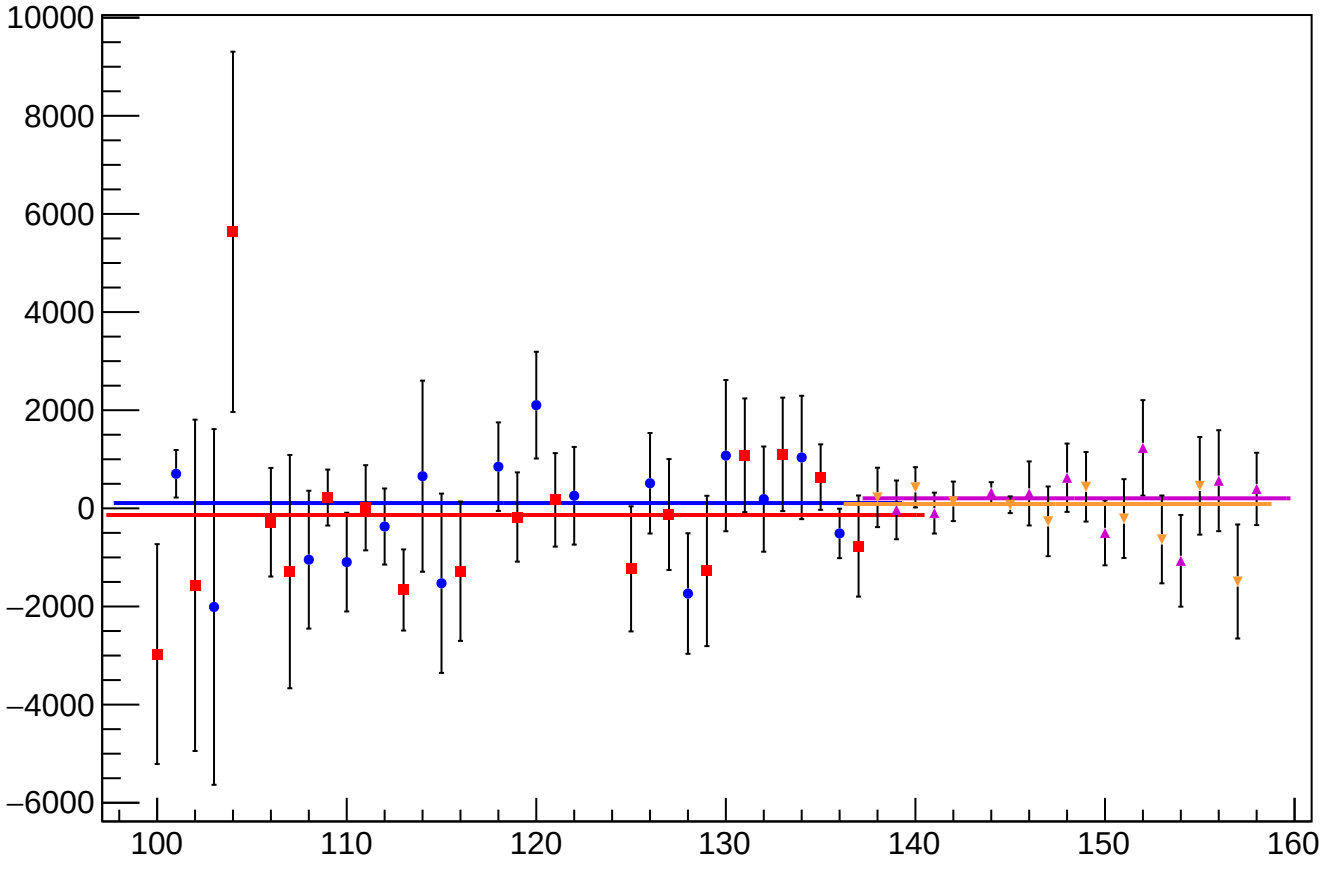
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1798.318+/-0.322 χ^2/NDF:742519.1/25

Out: 1812.877+/-0.333 χ^2/NDF:427249.9/27

All: 1805.355+/-0.231 χ^2/NDF: 1170757.2/53

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: 89.102+/-131.497 χ^2/NDF:4.0/9

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 204.449+/-153.511 χ^2/NDF:5.7/9

Left: 137.919+/-99.867 χ^2/NDF: 10.0/19

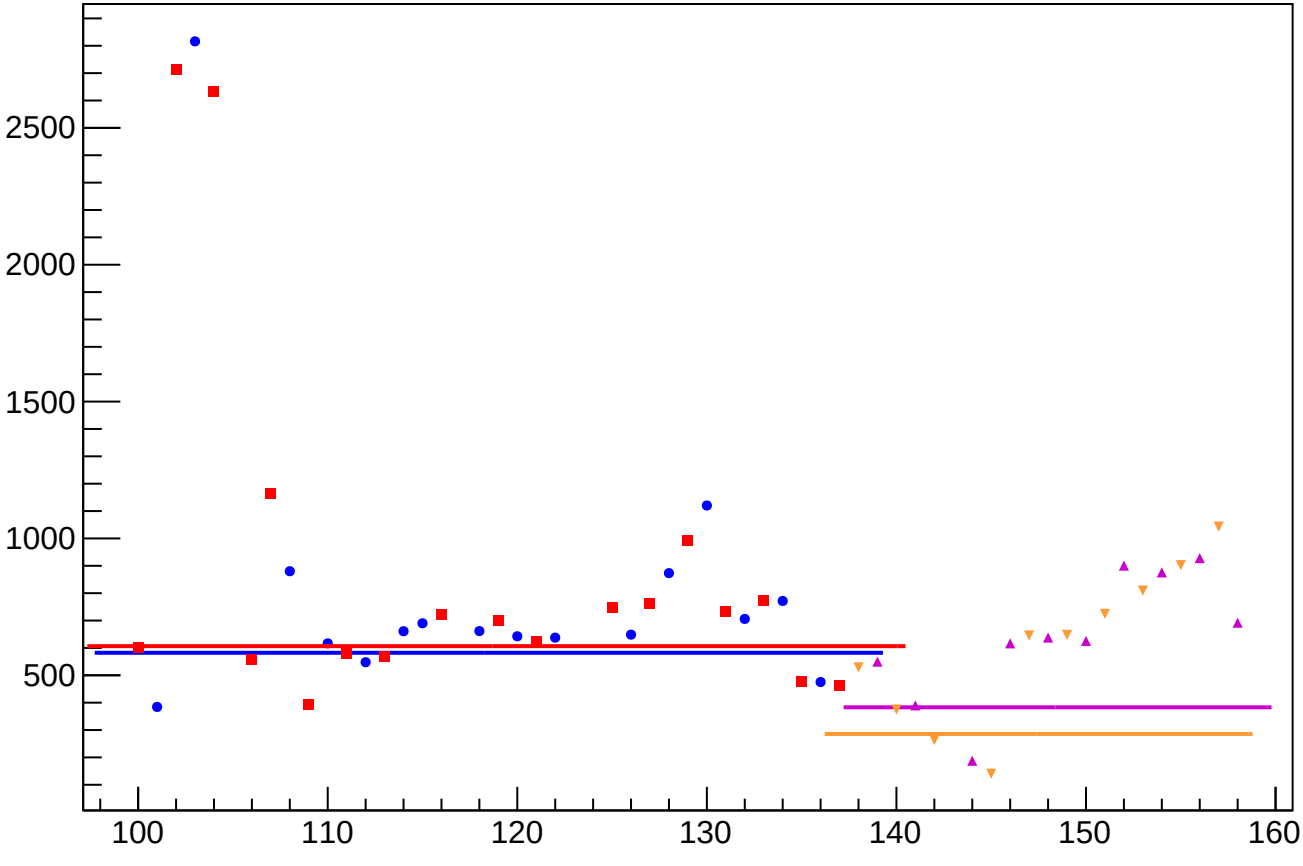
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 175.068+/-127.974 χ^2/NDF:19.9/25

Out: 39.199+/-115.961 χ^2/NDF:19.0/27

All: 100.459+/-85.931 χ^2/NDF: 39.6/53

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: 285.616+/-0.093 χ^2/NDF:5818777.9/9

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 383.009+/-0.109 χ^2/NDF:4677031.6/9

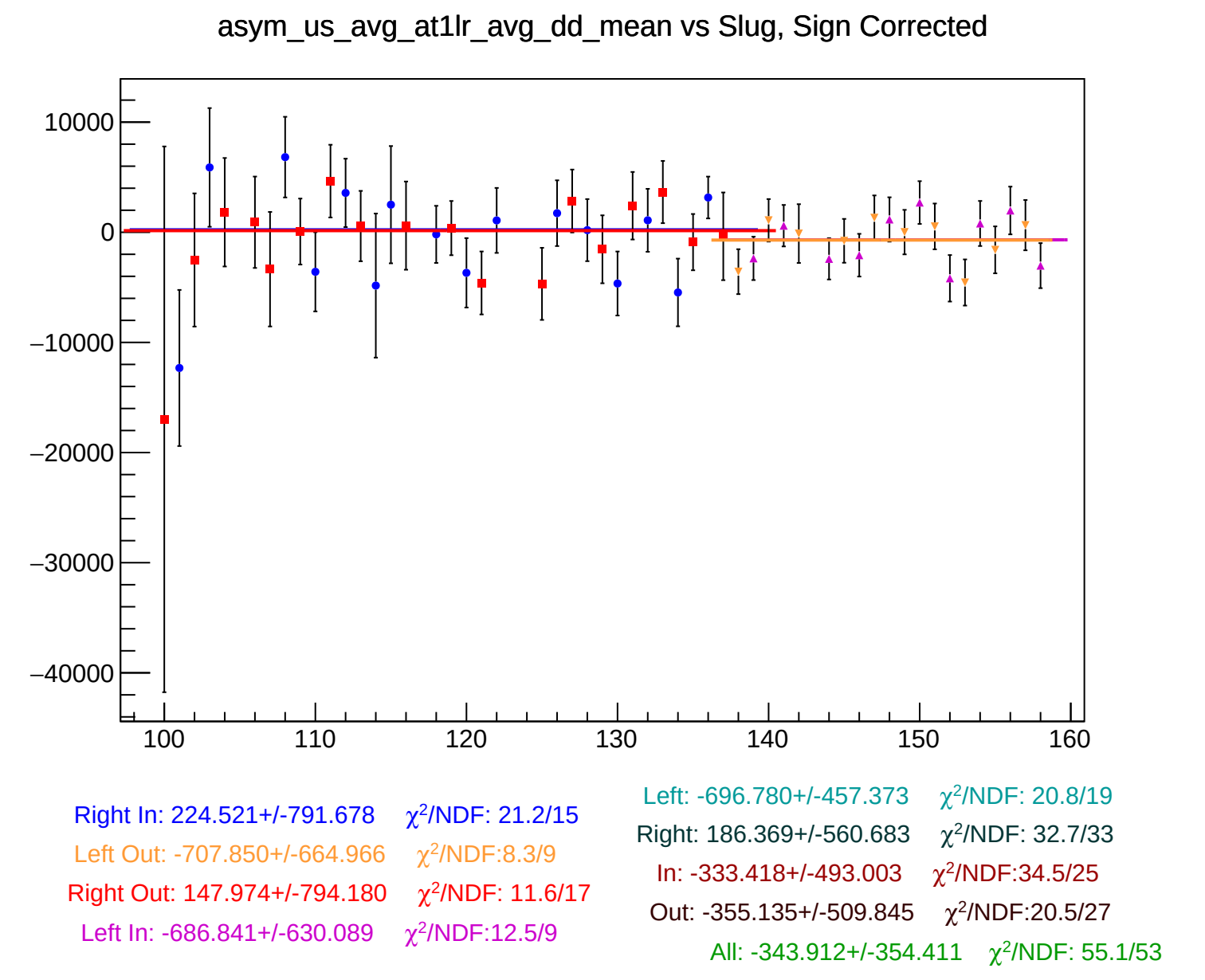
Left: 326.834+/-0.071 χ^2/NDF: 10960126.0/19

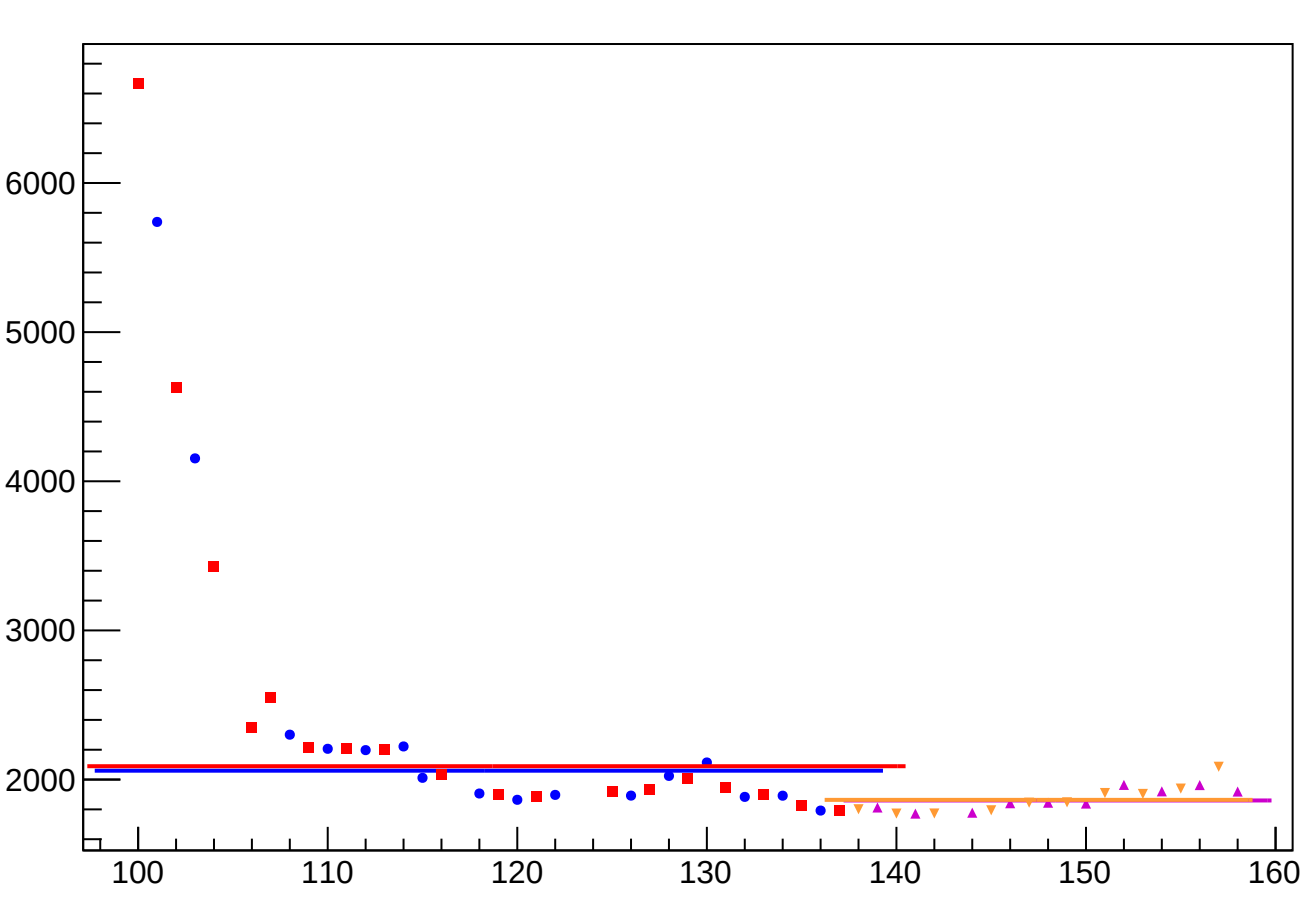
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 443.790+/-0.090 χ^2/NDF:7459198.4/25

Out: 356.946+/-0.082 χ^2/NDF:10664159.2/27

All: 396.102+/-0.061 χ^2/NDF: 18629113.9/53


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 224.521+/-791.678 χ²/NDF: 21.2/15
Left Out: -707.850+/-664.966 χ²/NDF:8.3/9
Right Out: 147.974+/-794.180 χ²/NDF: 11.6/17
Left In: -686.841+/-630.089 χ²/NDF:12.5/9
Left: -696.780+/-457.373 χ²/NDF: 20.8/19
Right: 186.369+/-560.683 χ²/NDF: 32.7/33
In: -333.418+/-493.003 χ²/NDF:34.5/25
Out: -355.135+/-509.845 χ²/NDF:20.5/27
All: -343.912+/-354.411 χ²/NDF: 55.1/53



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1863.807+/-0.470 χ^2/NDF:34703.6/9

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1859.830+/-0.446 χ^2/NDF:22804.4/9

Left: 1861.711+/-0.323 χ^2/NDF: 57545.7/19

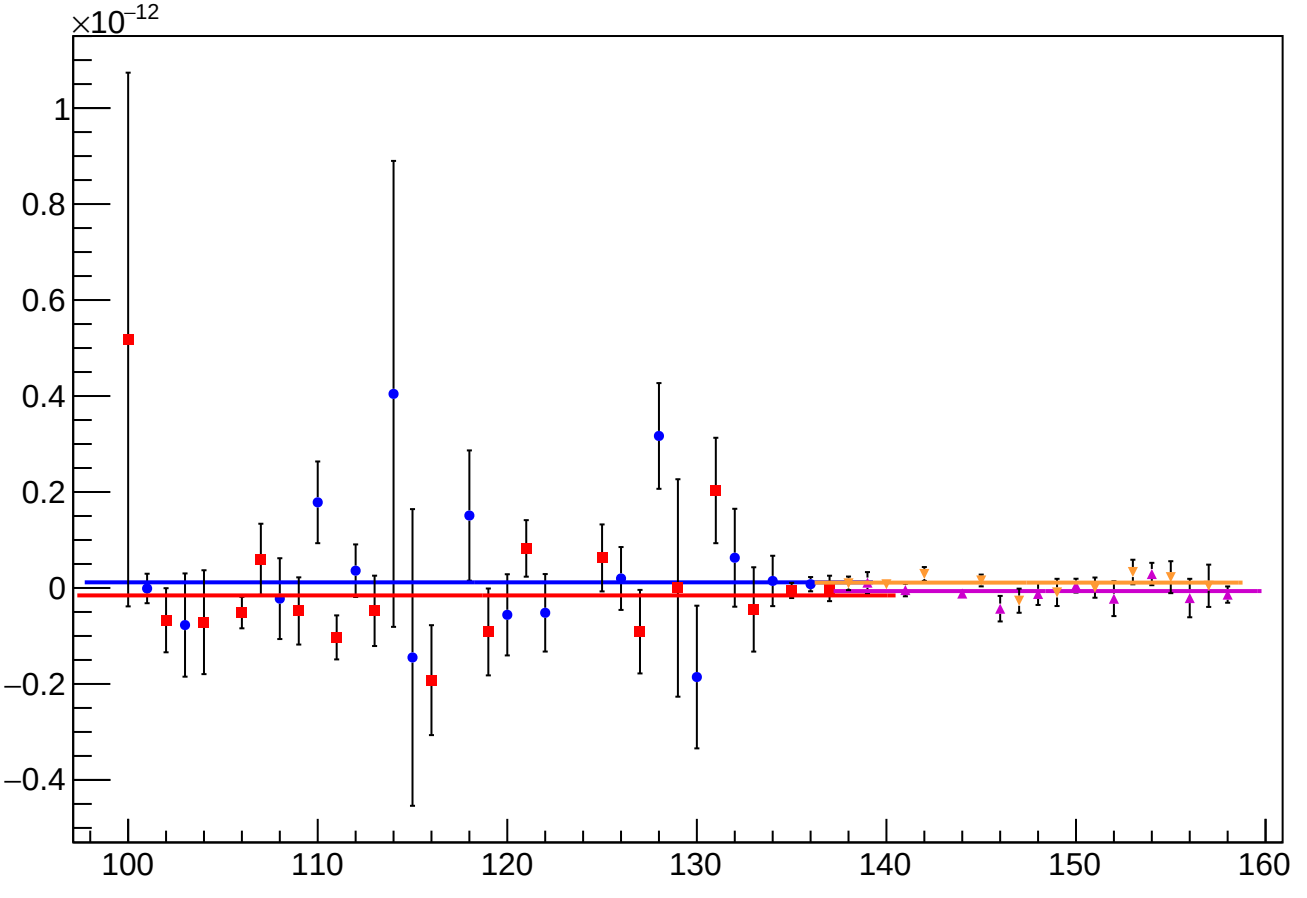
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1937.259+/-0.349 χ^2/NDF:1040560.6/25

Out: 1956.814+/-0.361 χ^2/NDF:811102.2/27

All: 1946.708+/-0.251 χ^2/NDF: 1853183.1/53

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:6.4/9

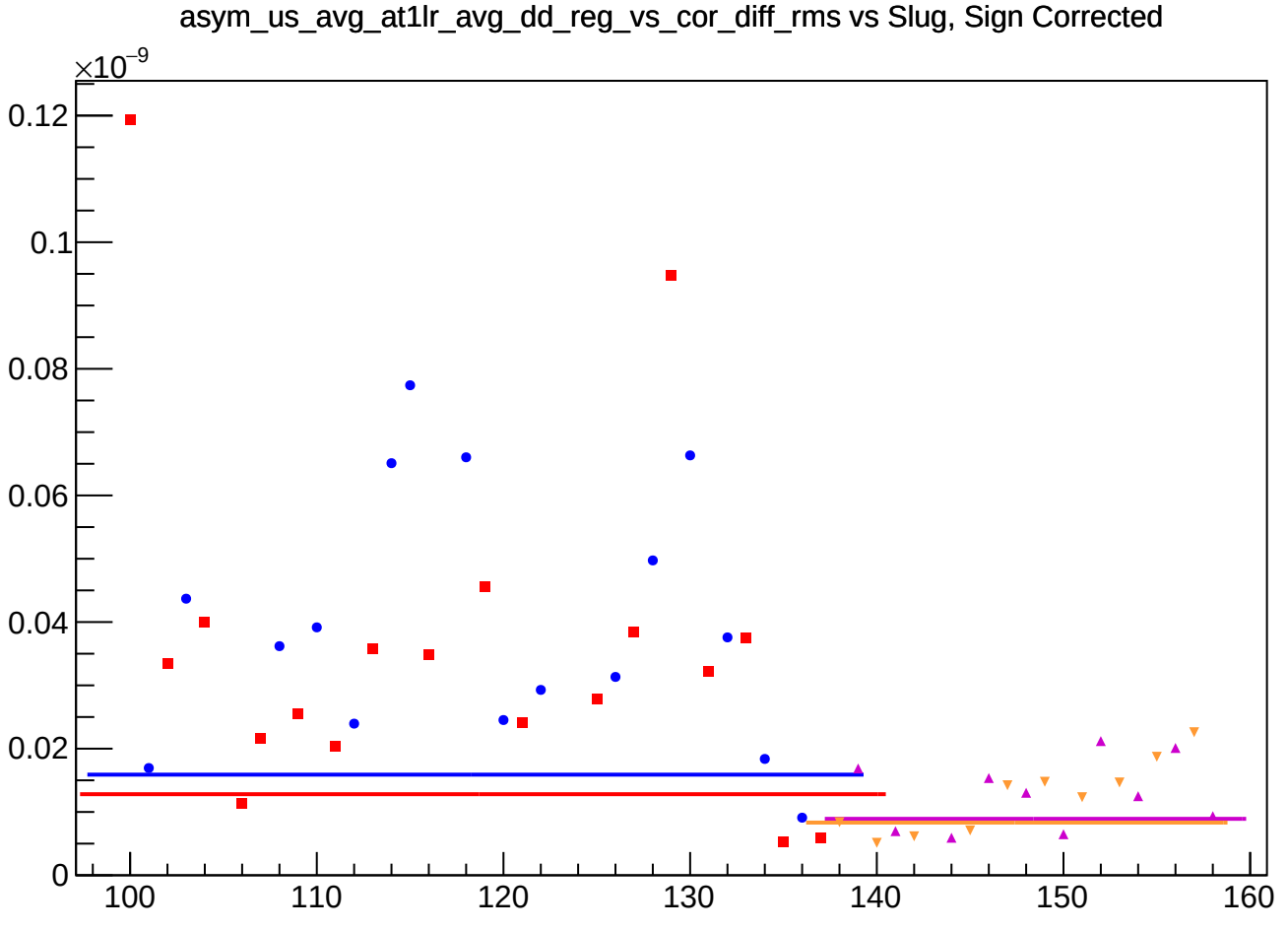
Left: 0.000+/-0.000 χ^2/NDF: 17.5/19

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: -0.000+/-0.000 χ^2/NDF:26.5/25

Out: 0.000+/-0.000 χ^2/NDF:31.4/27

All: 0.000+/-0.000 χ^2/NDF: 59.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1098487.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1188702.4/9

Left: 0.000+/-0.000 χ^2/NDF: 2299369.2/19

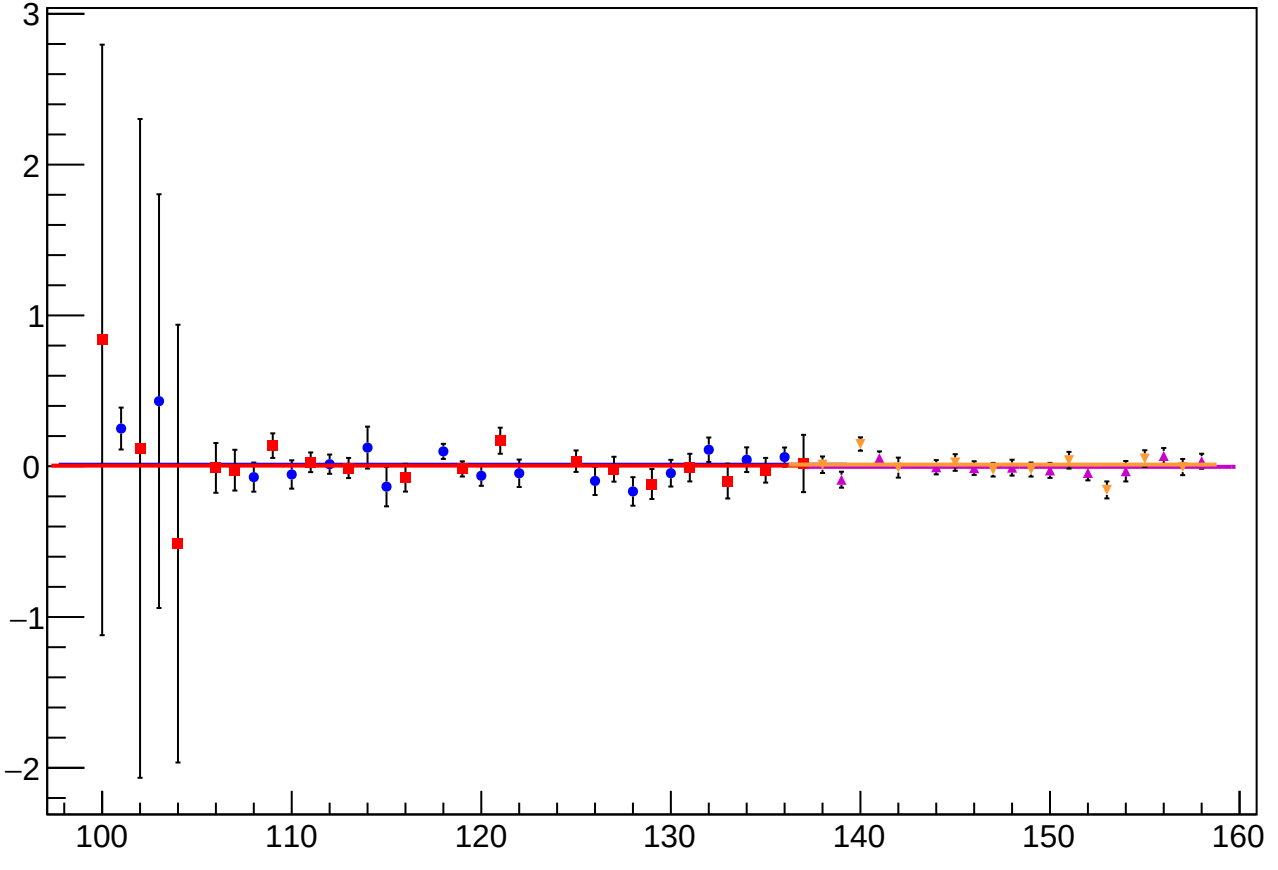
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:3722017.7/25

Out: 0.000+/-0.000 χ^2/NDF:3866852.4/27

All: 0.000+/-0.000 χ^2/NDF: 7626891.3/53

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: 0.011+/-0.017 χ^2/NDF:20.3/9

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.004+/-0.016 χ^2/NDF:7.8/9

Left: 0.003+/-0.011 χ^2/NDF: 28.6/19

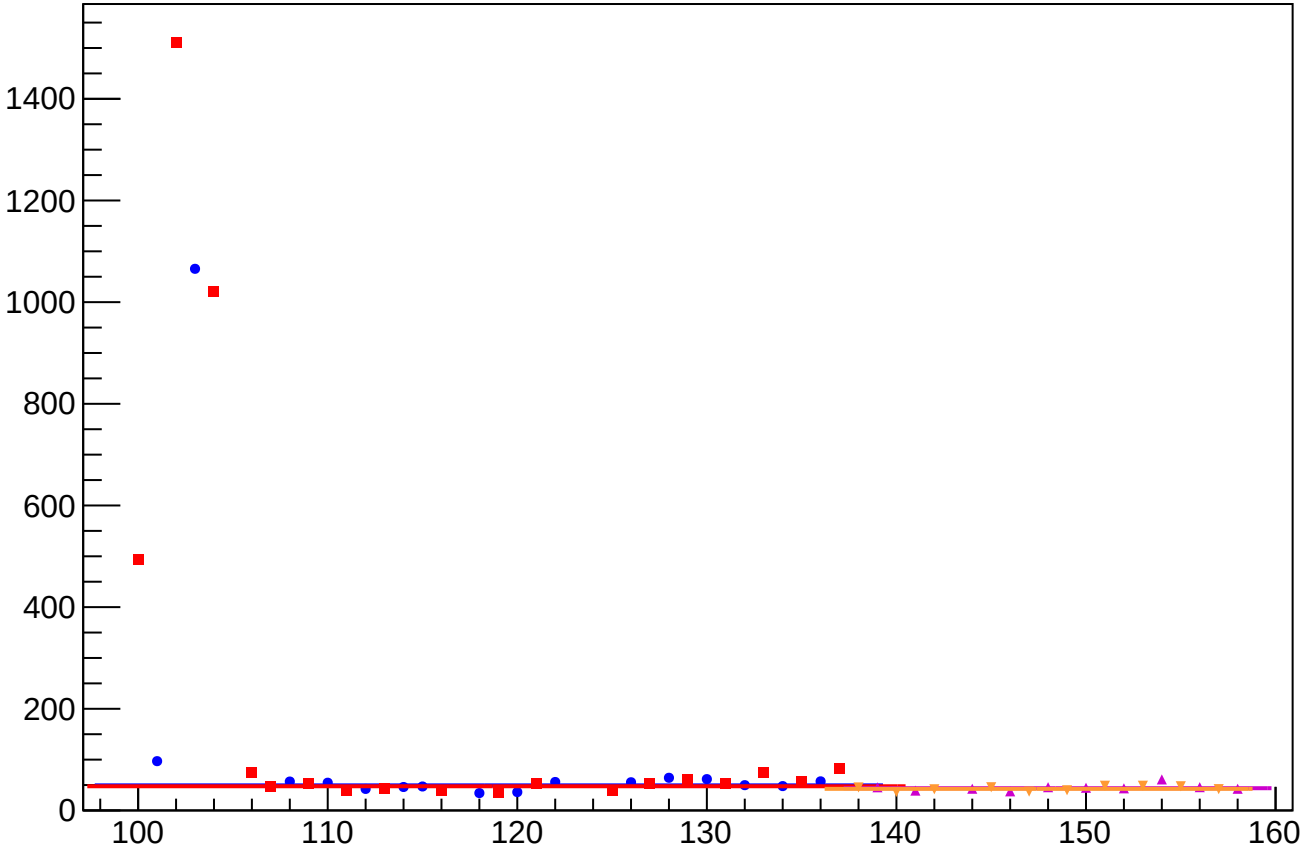
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.013 χ^2/NDF:26.5/25

Out: 0.008+/-0.013 χ^2/NDF:30.9/27

All: 0.005+/-0.009 χ^2/NDF: 57.6/53

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.518+/-0.012 χ^2/NDF:151331.0/9

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.760+/-0.011 χ^2/NDF:199892.9/9

Left: 43.162+/-0.008 χ^2/NDF: 357078.7/19

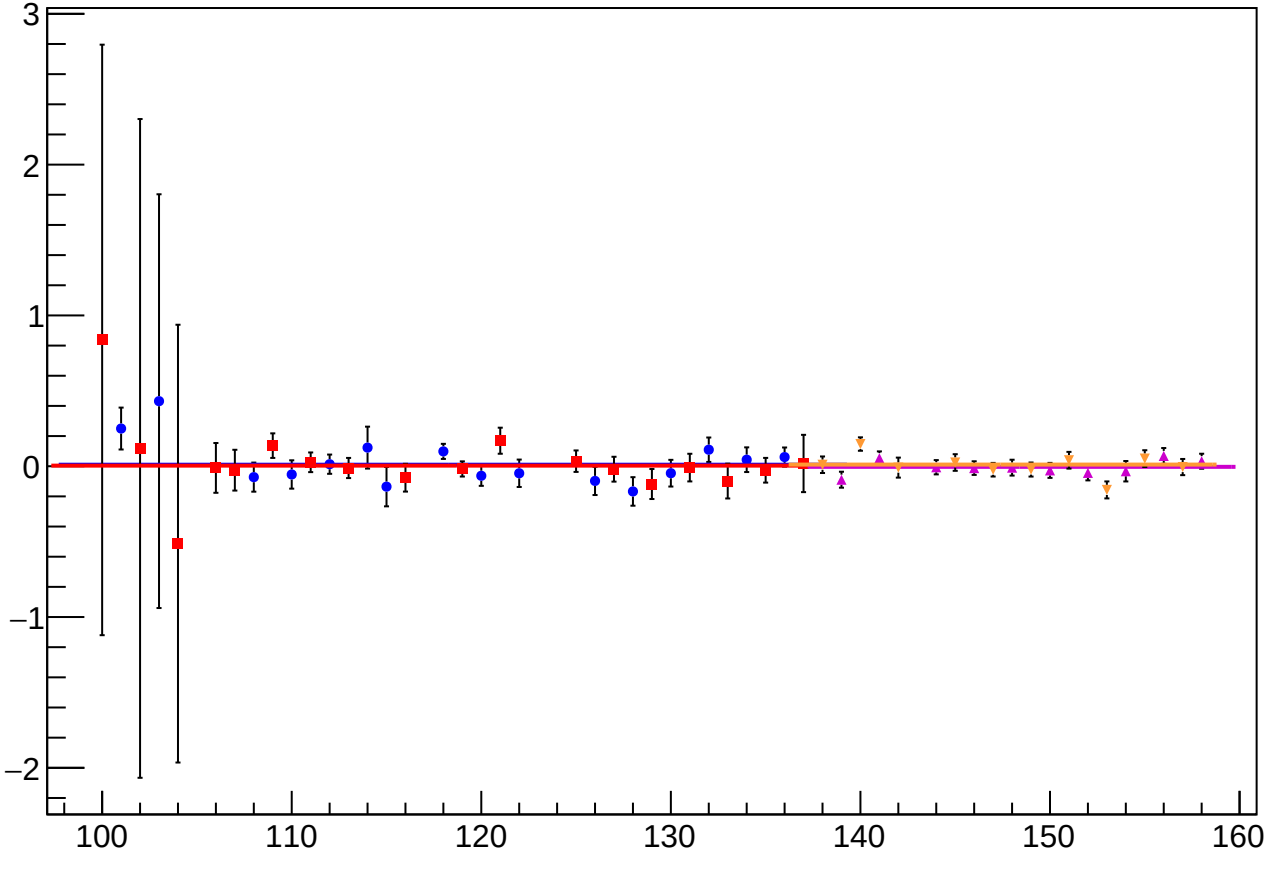
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.801+/-0.009 χ^2/NDF:2066529.8/25

Out: 44.408+/-0.009 χ^2/NDF:2639782.5/27

All: 45.127+/-0.006 χ^2/NDF: 4717981.5/53

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: 0.011+/-0.017 χ^2/NDF:20.3/9

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.004+/-0.016 χ^2/NDF:7.8/9

Left: 0.003+/-0.011 χ^2/NDF: 28.6/19

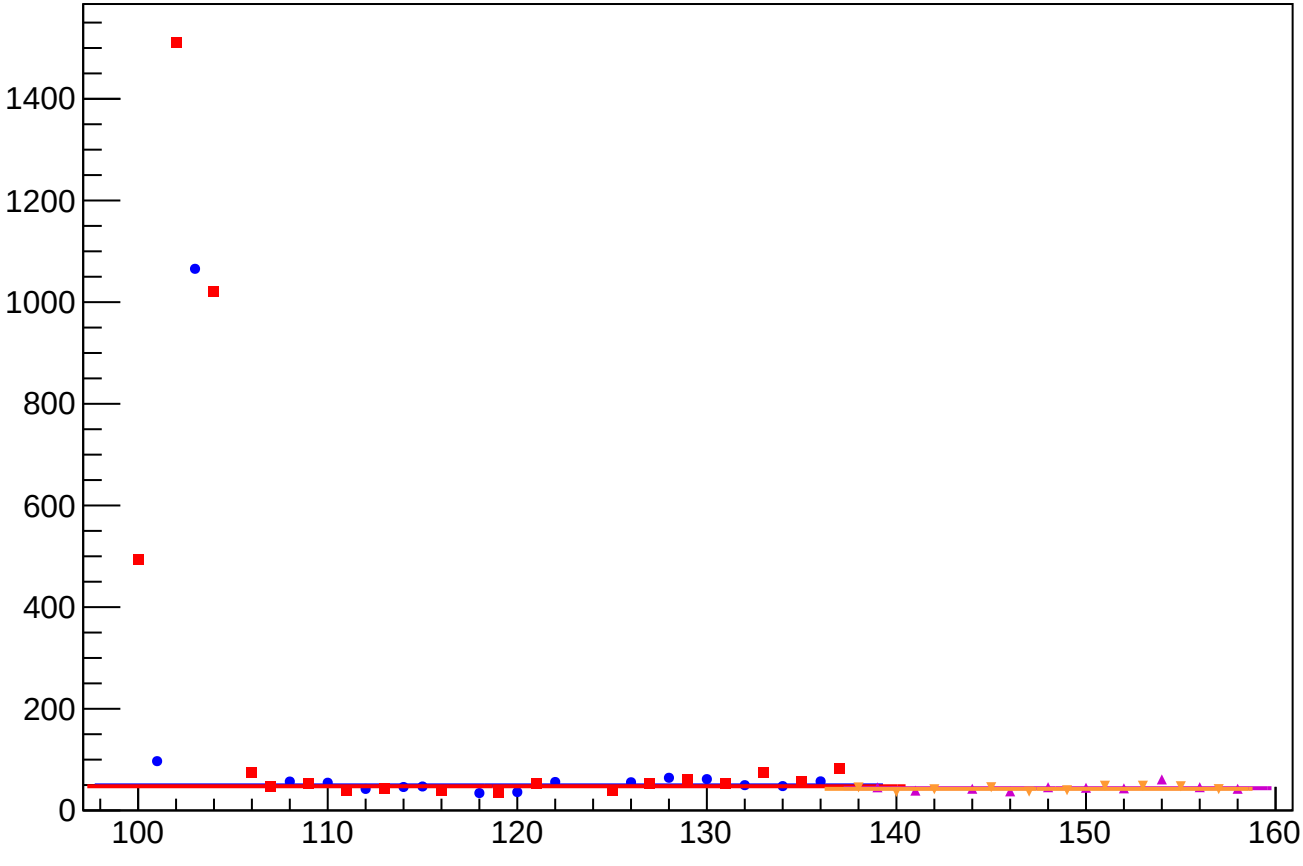
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.013 χ^2/NDF:26.5/25

Out: 0.008+/-0.013 χ^2/NDF:30.9/27

All: 0.005+/-0.009 χ^2/NDF: 57.6/53

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: 42.518+/-0.012 χ^2/NDF:151331.0/9

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.760+/-0.011 χ^2/NDF:199892.9/9

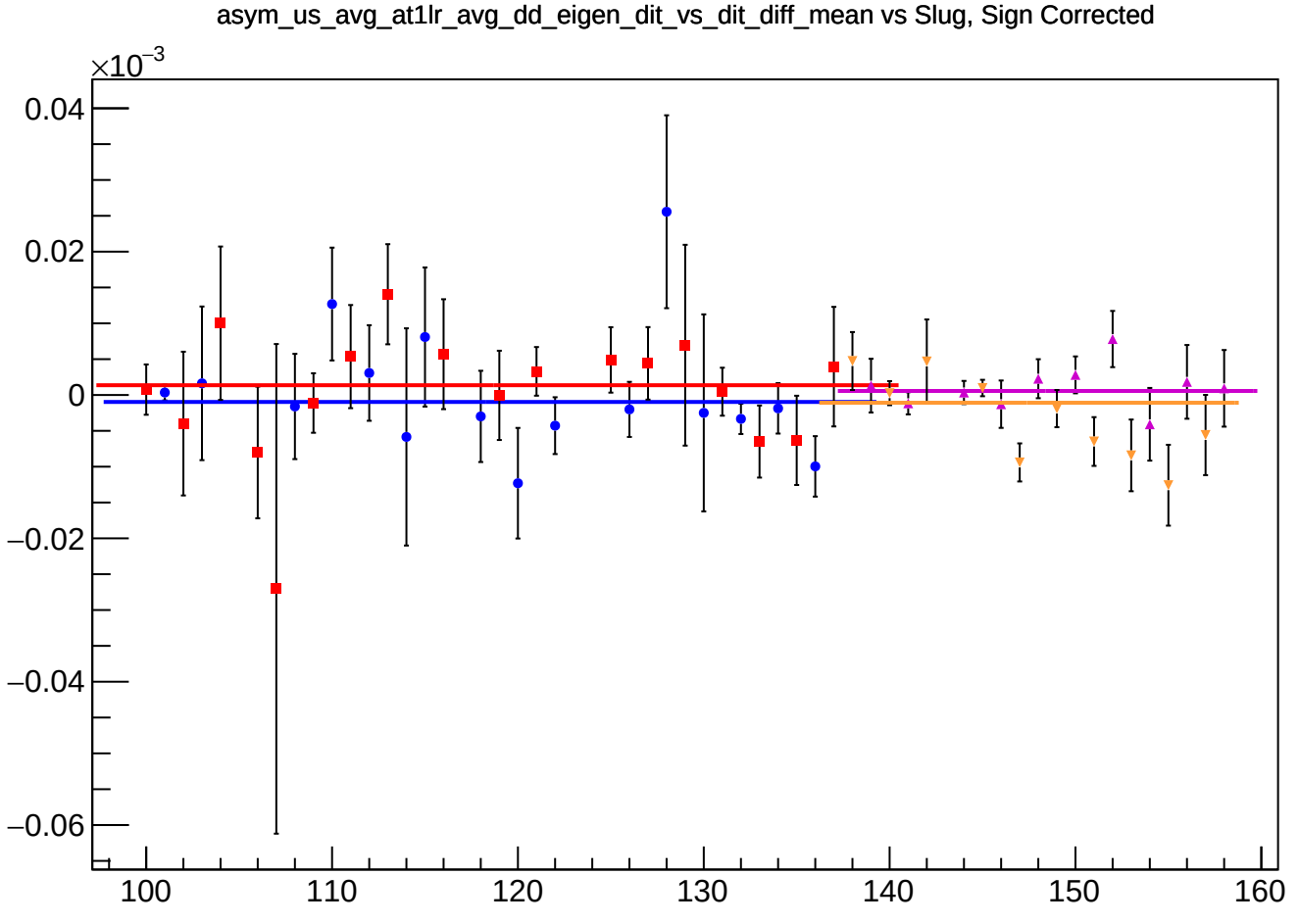
Left: 43.162+/-0.008 χ^2/NDF: 357078.7/19

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.801+/-0.009 χ^2/NDF:2066529.8/25

Out: 44.408+/-0.009 χ^2/NDF:2639782.5/27

All: 45.127+/-0.006 χ^2/NDF: 4717981.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:7.1/9

Left: -0.000+/-0.000 χ^2/NDF: 35.5/19

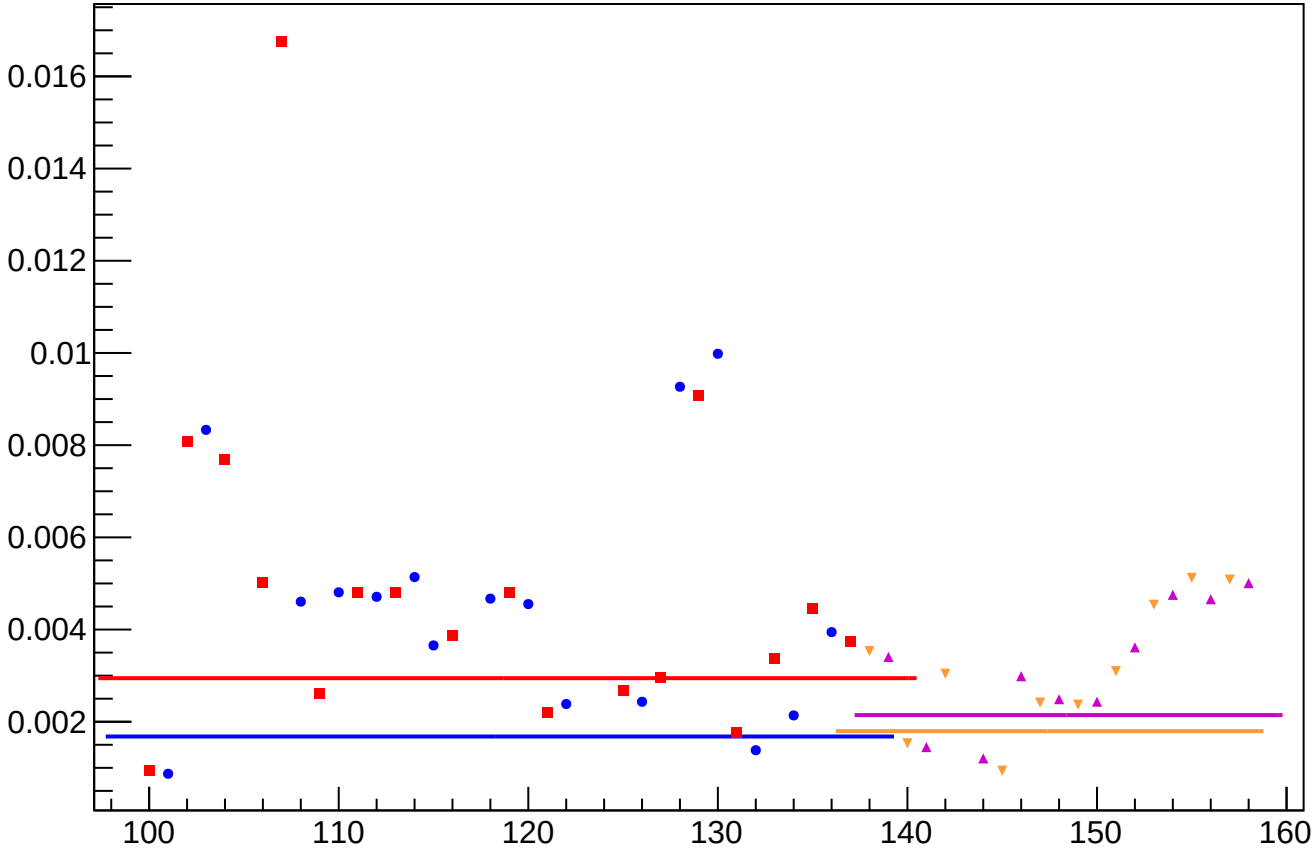
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:27.4/25

Out: -0.000+/-0.000 χ^2/NDF:41.6/27

All: -0.000+/-0.000 χ^2/NDF: 69.1/53

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:4114170.6/9

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:3355133.9/9

Left: 0.002+/-0.000 χ^2/NDF: 7656610.7/19

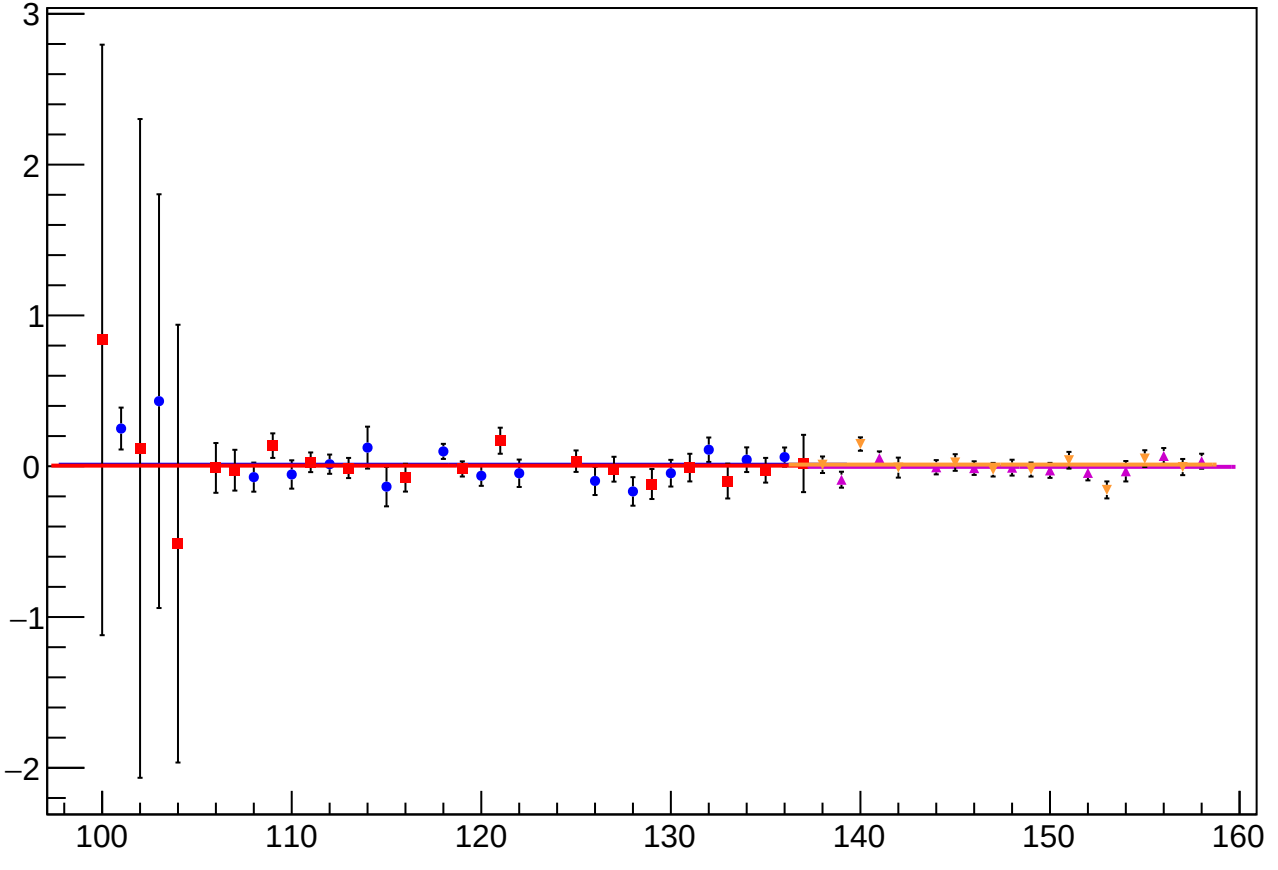
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:9626149.0/25

Out: 0.002+/-0.000 χ^2/NDF:8664479.5/27

All: 0.002+/-0.000 χ^2/NDF: 18380965.2/53

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: 0.011+/-0.017 χ^2/NDF:20.3/9

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.004+/-0.016 χ^2/NDF:7.8/9

Left: 0.003+/-0.011 χ^2/NDF: 28.6/19

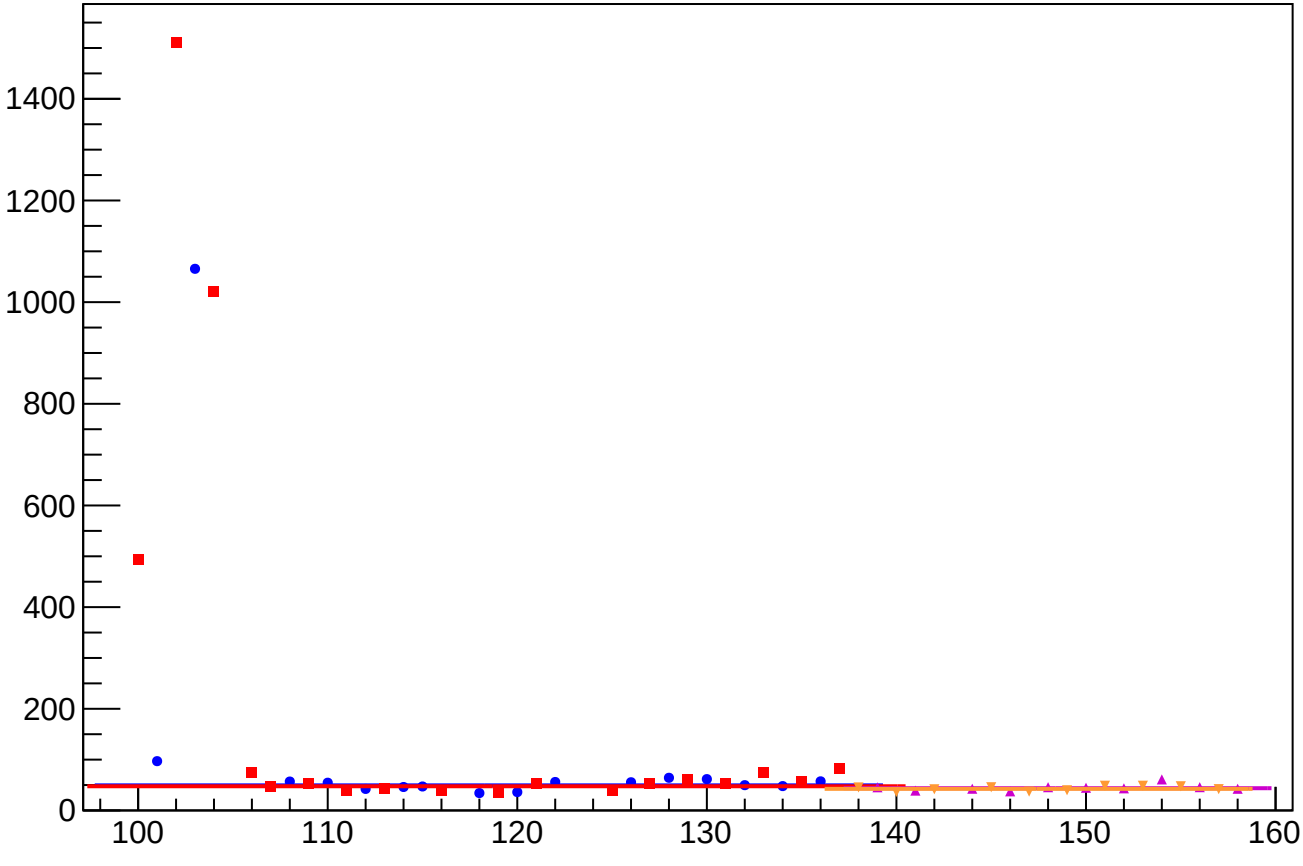
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.013 χ^2/NDF:26.5/25

Out: 0.008+/-0.013 χ^2/NDF:30.9/27

All: 0.005+/-0.009 χ^2/NDF: 57.6/53

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: 42.518+/-0.012 χ^2/NDF:151349.0/9

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 43.760+/-0.011 χ^2/NDF:199940.6/9

Left: 43.162+/-0.008 χ^2/NDF: 357135.4/19

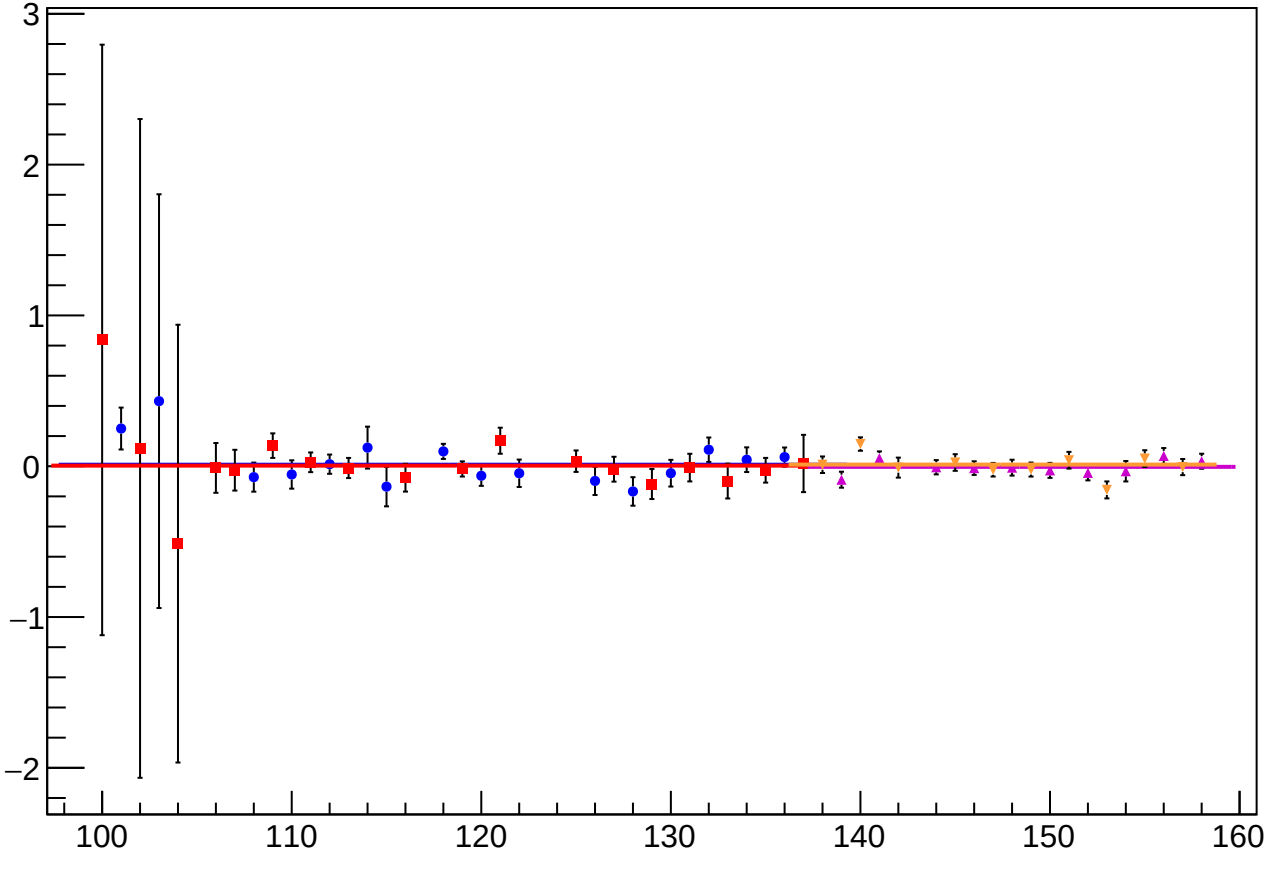
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.801+/-0.009 χ^2/NDF:2066534.3/25

Out: 44.408+/-0.009 χ^2/NDF:2639799.4/27

All: 45.127+/-0.006 χ^2/NDF: 4717999.1/53

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: 0.011+/-0.017 χ^2/NDF:20.3/9

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.004+/-0.016 χ^2/NDF:7.8/9

Left: 0.003+/-0.011 χ^2/NDF: 28.6/19

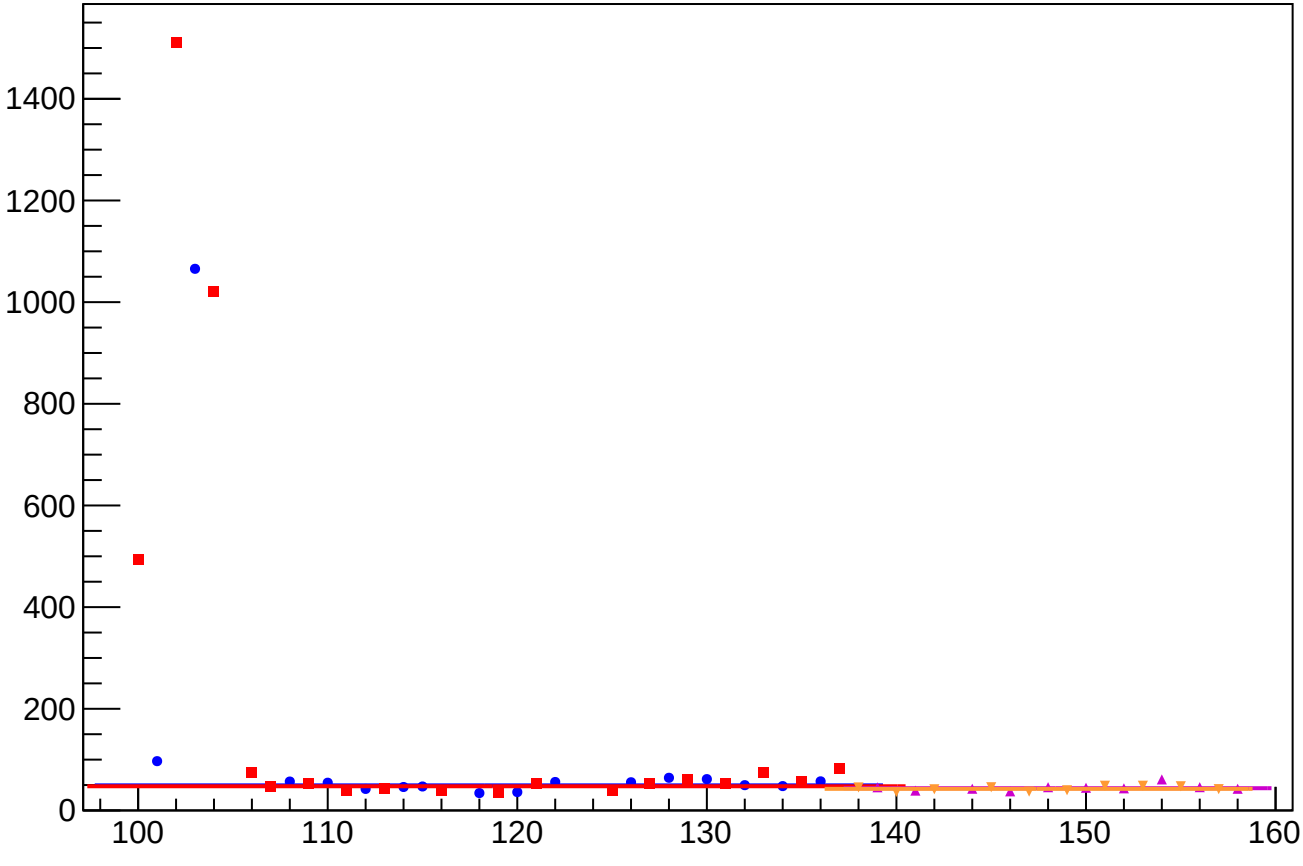
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.013 χ^2/NDF:26.5/25

Out: 0.008+/-0.013 χ^2/NDF:30.9/27

All: 0.005+/-0.009 χ^2/NDF: 57.6/53

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: 42.518+/-0.012 χ^2/NDF:151349.0/9

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 43.760+/-0.011 χ^2/NDF:199940.6/9

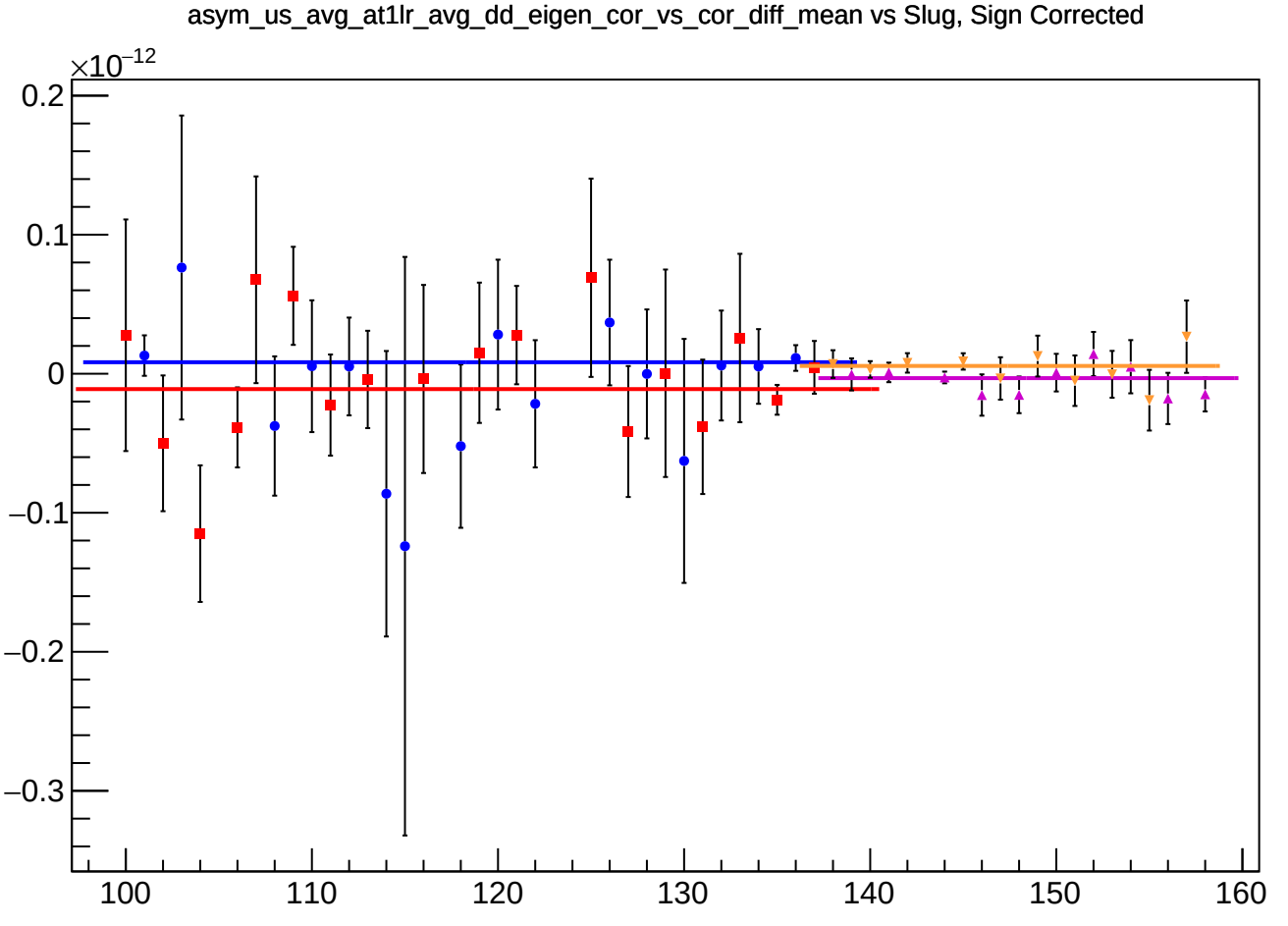
Left: 43.162+/-0.008 χ^2/NDF: 357135.4/19

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.801+/-0.009 χ^2/NDF:2066534.3/25

Out: 44.408+/-0.009 χ^2/NDF:2639799.4/27

All: 45.127+/-0.006 χ^2/NDF: 4717999.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:4.9/9

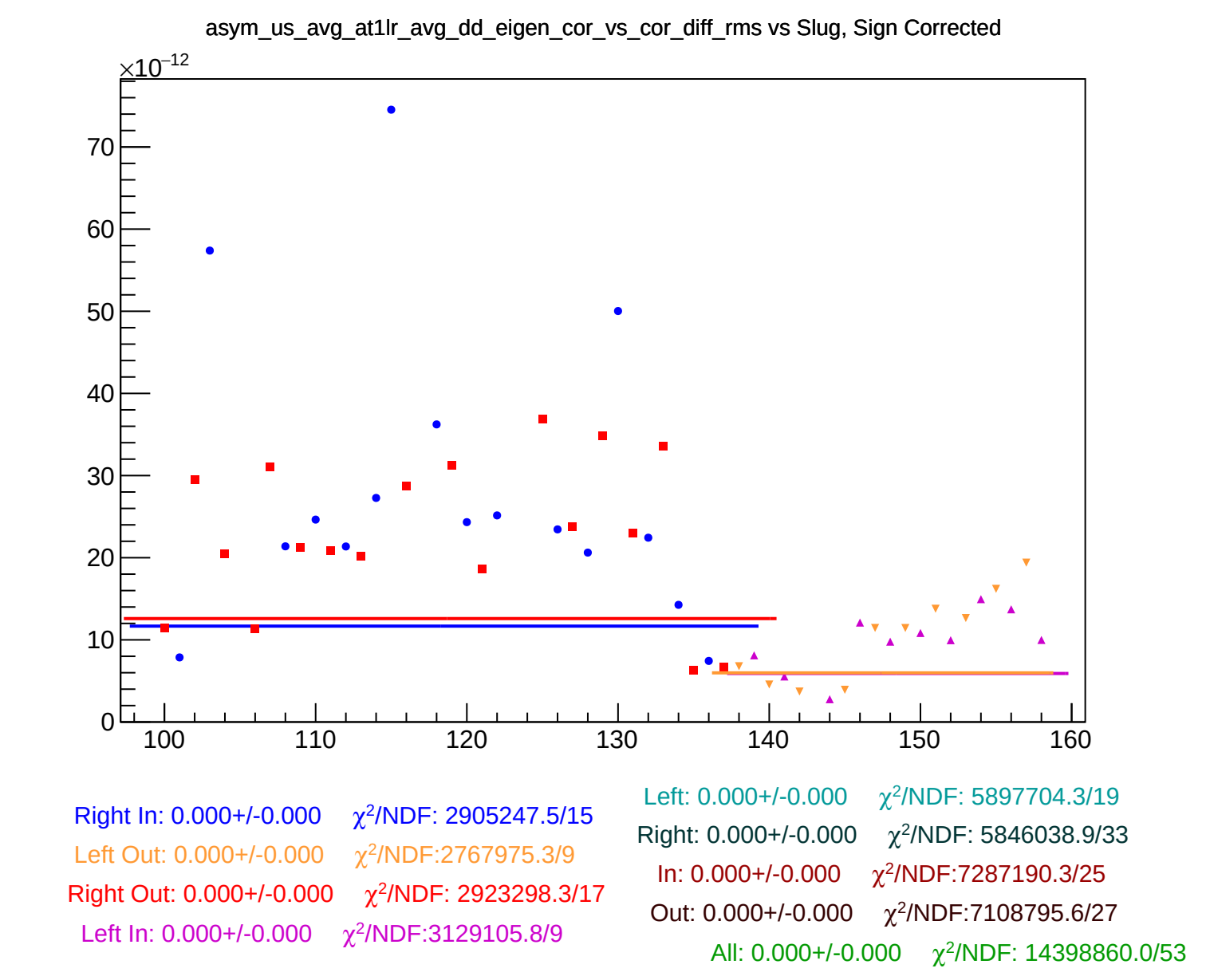
Left: 0.000+/-0.000 χ^2/NDF: 12.7/19

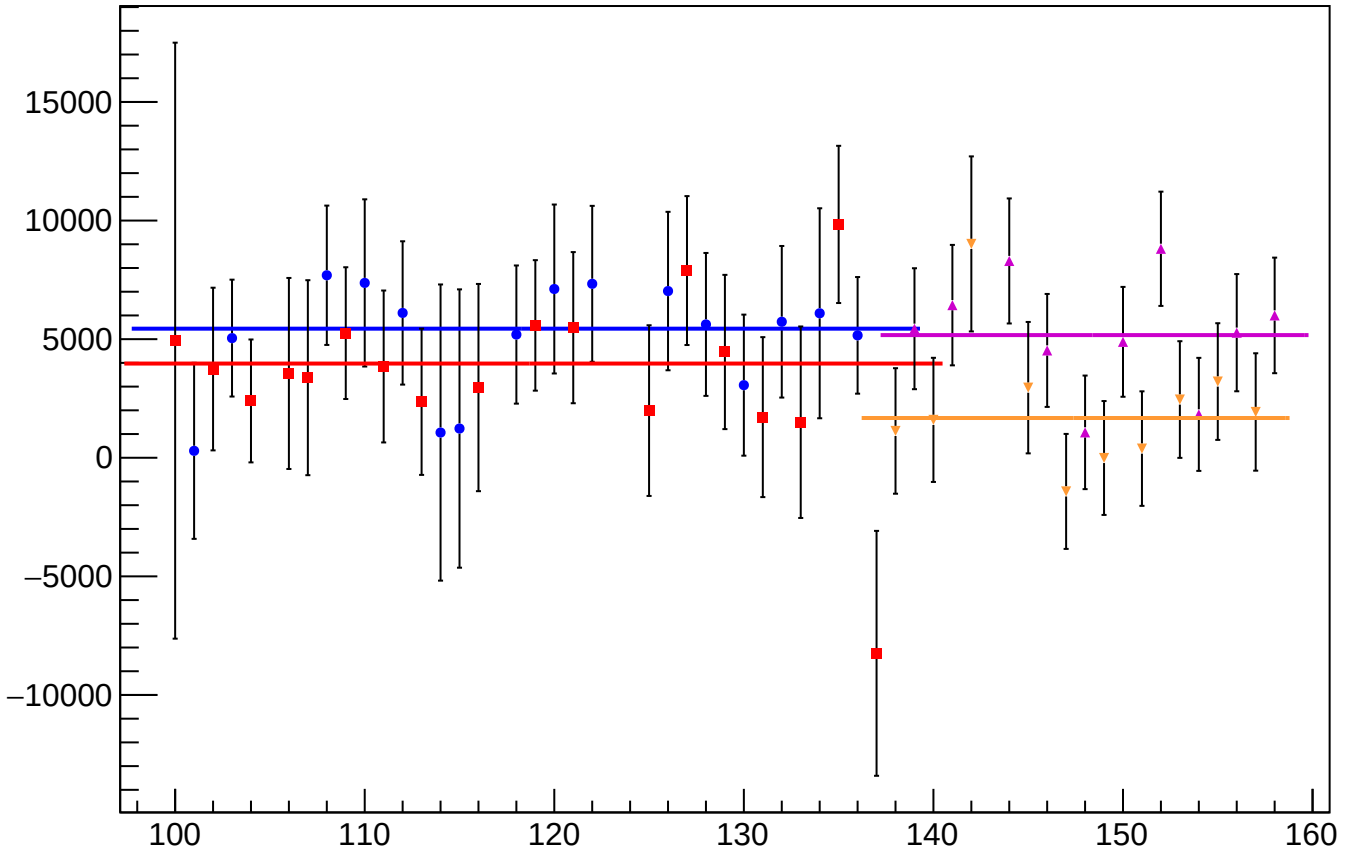
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:12.8/25

Out: 0.000+/-0.000 χ^2/NDF:24.3/27

All: 0.000+/-0.000 χ^2/NDF: 38.3/53


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2767975.3/9
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:3129105.8/9
Left: 0.000+/-0.000 χ²/NDF: 5897704.3/19
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:7287190.3/25
Out: 0.000+/-0.000 χ²/NDF:7108795.6/27
All: 0.000+/-0.000 χ²/NDF: 14398860.0/53



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1676.235+/-815.982 χ^2/NDF:7.1/9

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5171.540+/-773.599 χ^2/NDF:9.1/9

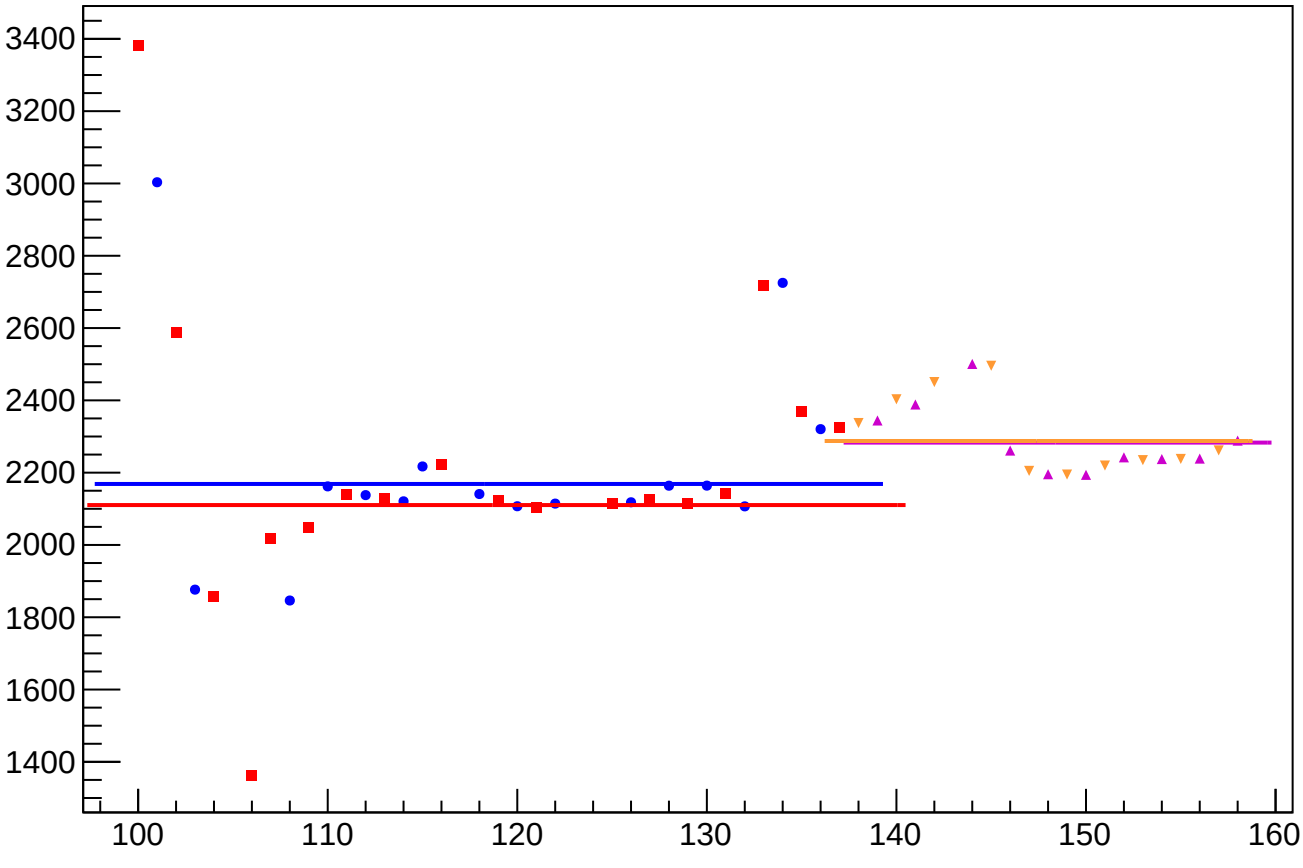
Left: 3517.016+/-561.403 χ^2/NDF: 25.8/19

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5300.295+/-560.276 χ^2/NDF:14.5/25

Out: 2833.811+/-574.510 χ^2/NDF:24.1/27

All: 4097.987+/-401.113 χ^2/NDF: 48.0/53



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2287.587+/-0.577 χ^2/NDF:28653.3/9

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

Left: 2285.241+/-0.397 χ^2/NDF: 54674.7/19

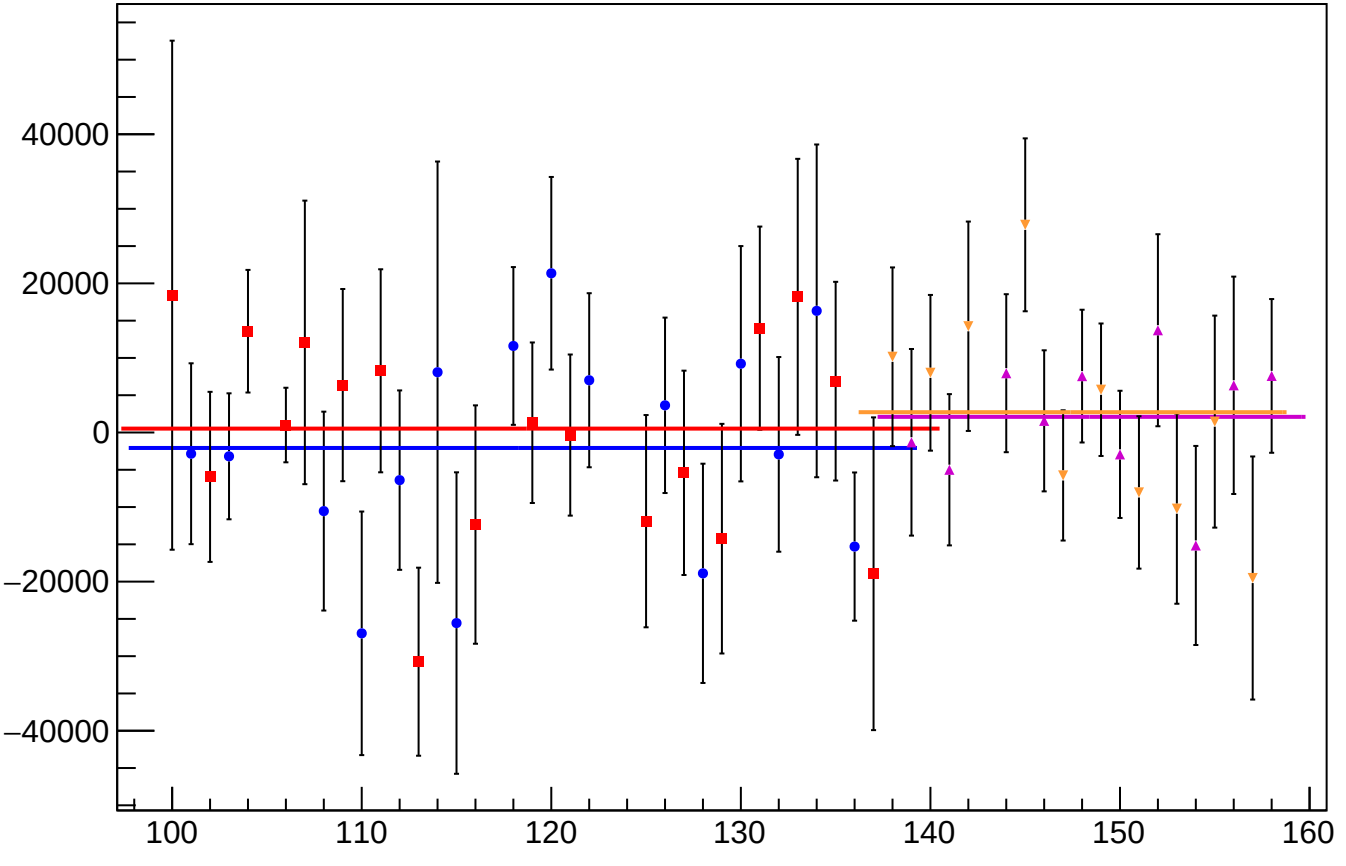
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2228.731+/-0.396 χ^2/NDF:242451.1/25

Out: 2196.799+/-0.403 χ^2/NDF:344396.7/27

All: 2213.035+/-0.283 χ^2/NDF: 590041.0/53

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 2723.394+/-3561.218 χ^2/NDF:11.1/9

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2098.451+/-3365.123 χ^2/NDF:4.4/9

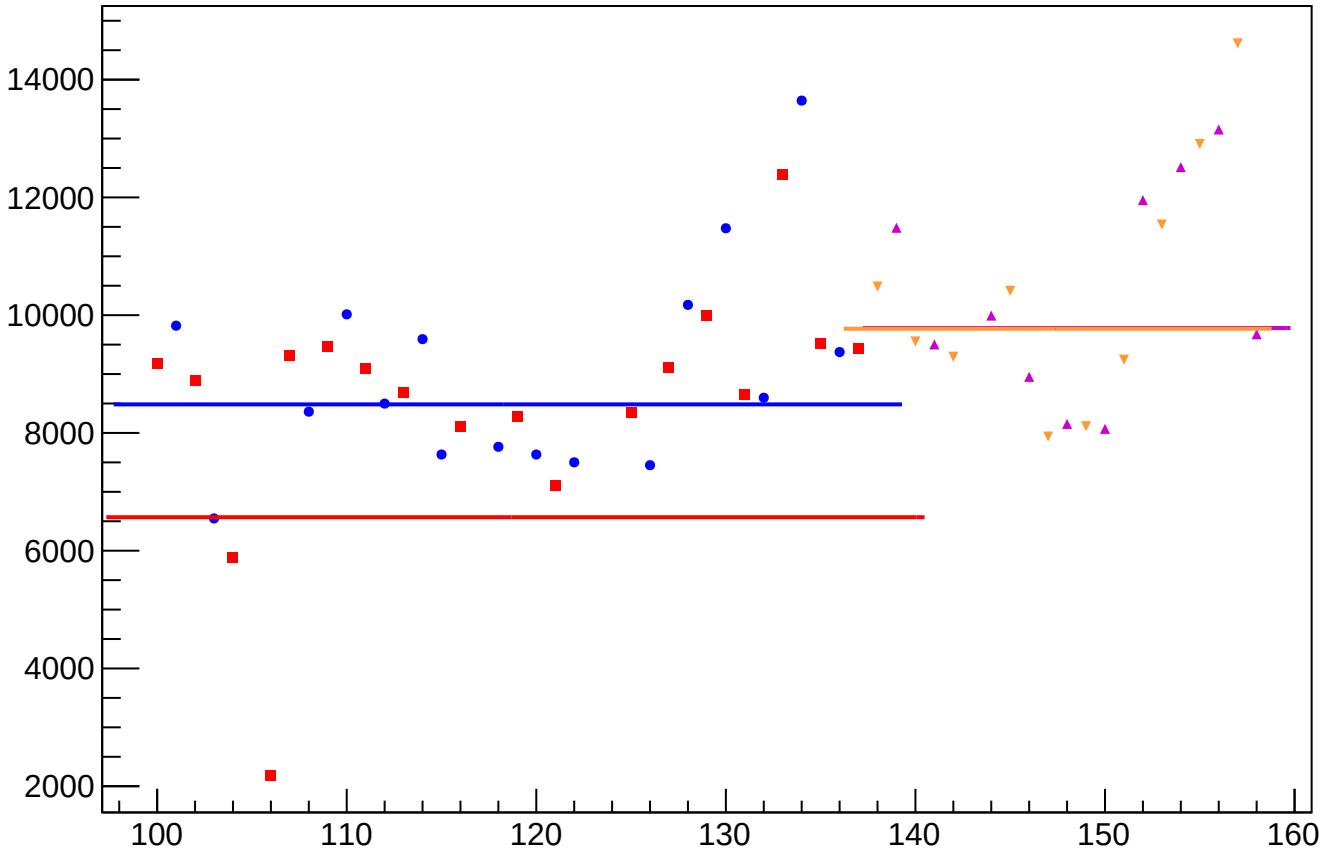
Left: 2393.243+/-2445.888 χ^2/NDF: 15.5/19

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -85.242+/-2323.509 χ^2/NDF:19.7/25

Out: 1331.060+/-2159.398 χ^2/NDF:27.0/27

All: 674.688+/-1581.763 χ^2/NDF: 46.9/53



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9769.718+/-2.518 χ^2/NDF:491808.8/9

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9782.326+/-2.380 χ^2/NDF:450156.3/9

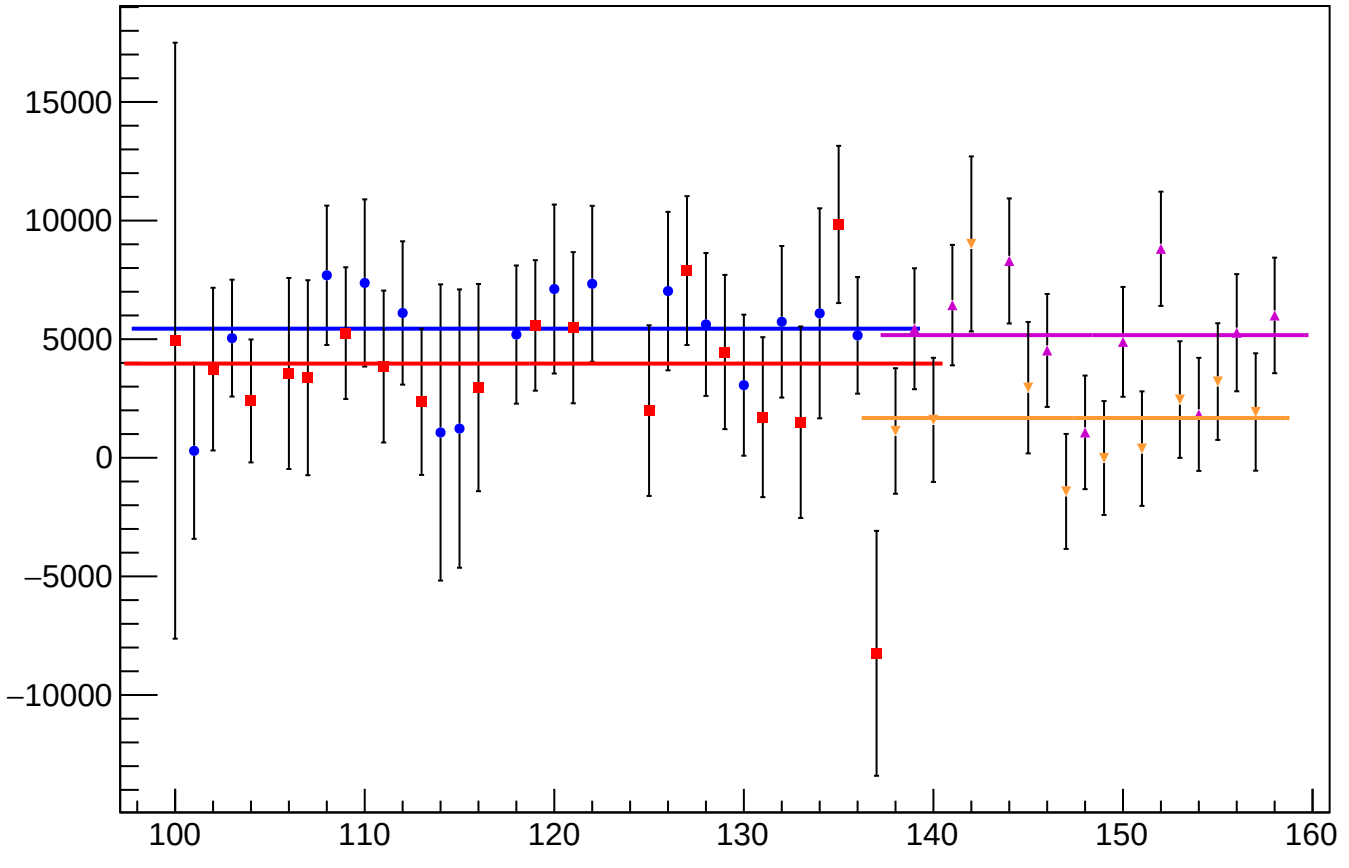
Left: 9776.379+/-1.730 χ^2/NDF: 941978.4/19

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9103.495+/-1.643 χ^2/NDF:1028401.4/25

Out: 7745.652+/-1.527 χ^2/NDF:4082444.7/27

All: 8374.932+/-1.118 χ^2/NDF: 5477332.3/53



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1676.183+/-815.982 χ^2/NDF:7.1/9

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5171.749+/-773.599 χ^2/NDF:9.1/9

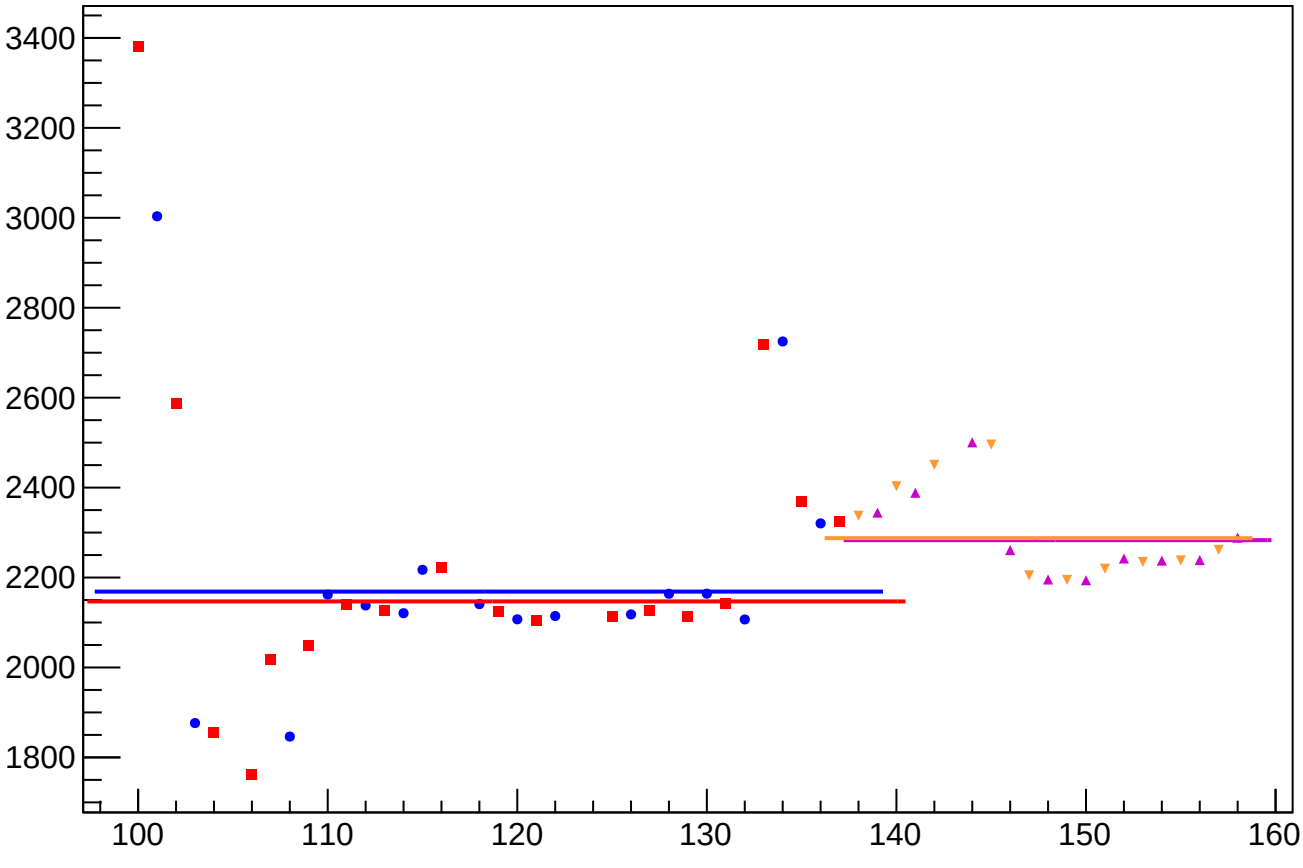
Left: 3517.101+/-561.403 χ^2/NDF: 25.8/19

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5300.472+/-560.276 χ^2/NDF:14.5/25

Out: 2833.655+/-574.510 χ^2/NDF:24.1/27

All: 4098.001+/-401.113 χ^2/NDF: 48.0/53



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2287.587+/-0.577 χ^2/NDF:28653.3/9

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

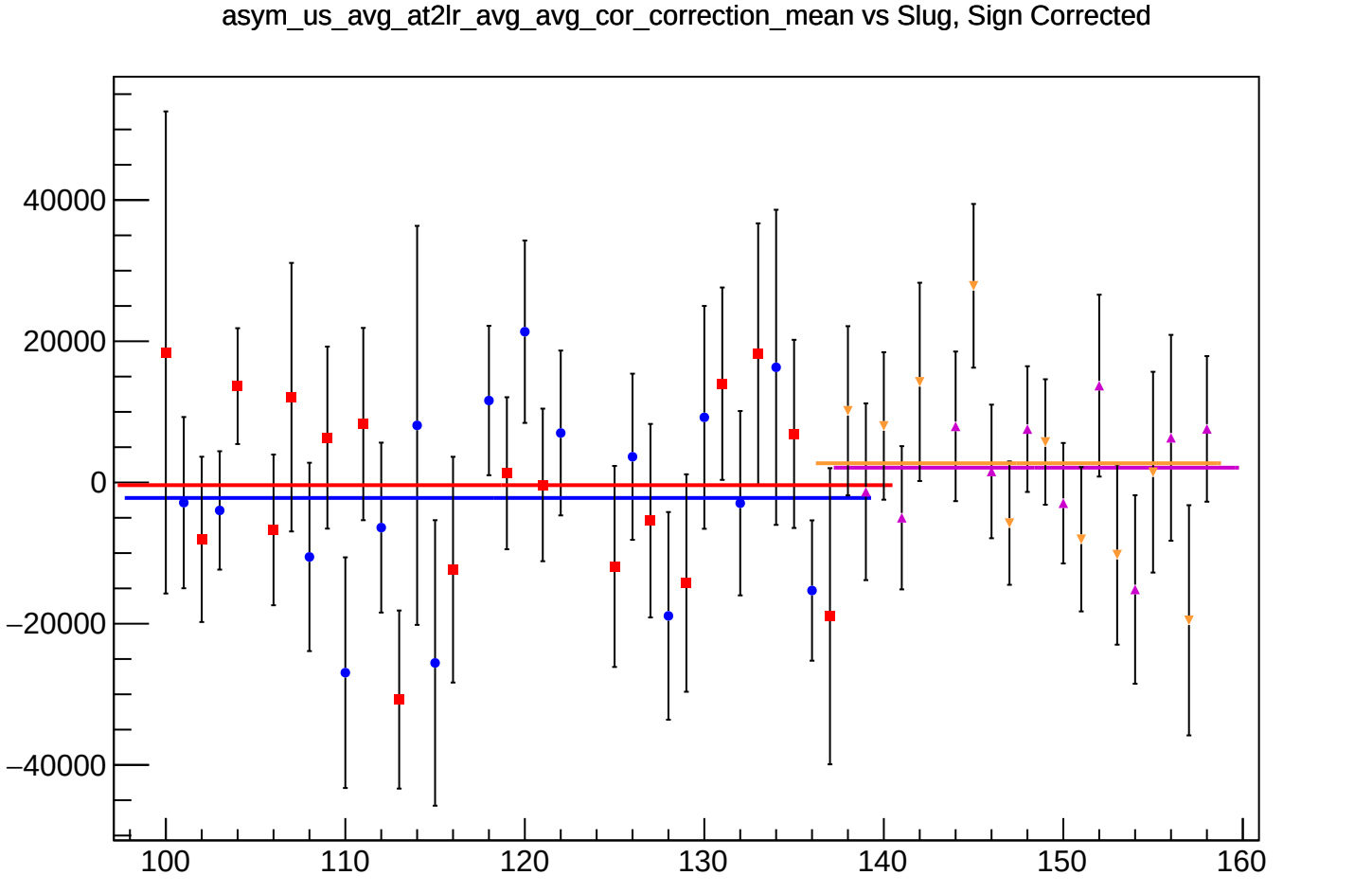
Left: 2285.241+/-0.397 χ^2/NDF: 54674.7/19

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.731+/-0.396 χ^2/NDF:242451.5/25

Out: 2216.285+/-0.405 χ^2/NDF:216538.5/27

All: 2222.648+/-0.283 χ^2/NDF: 459472.3/53



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 2723.376+/-3561.215 χ^2/NDF:11.1/9

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2098.717+/-3365.121 χ^2/NDF:4.4/9

Left: 2393.376+/-2445.887 χ^2/NDF: 15.5/19

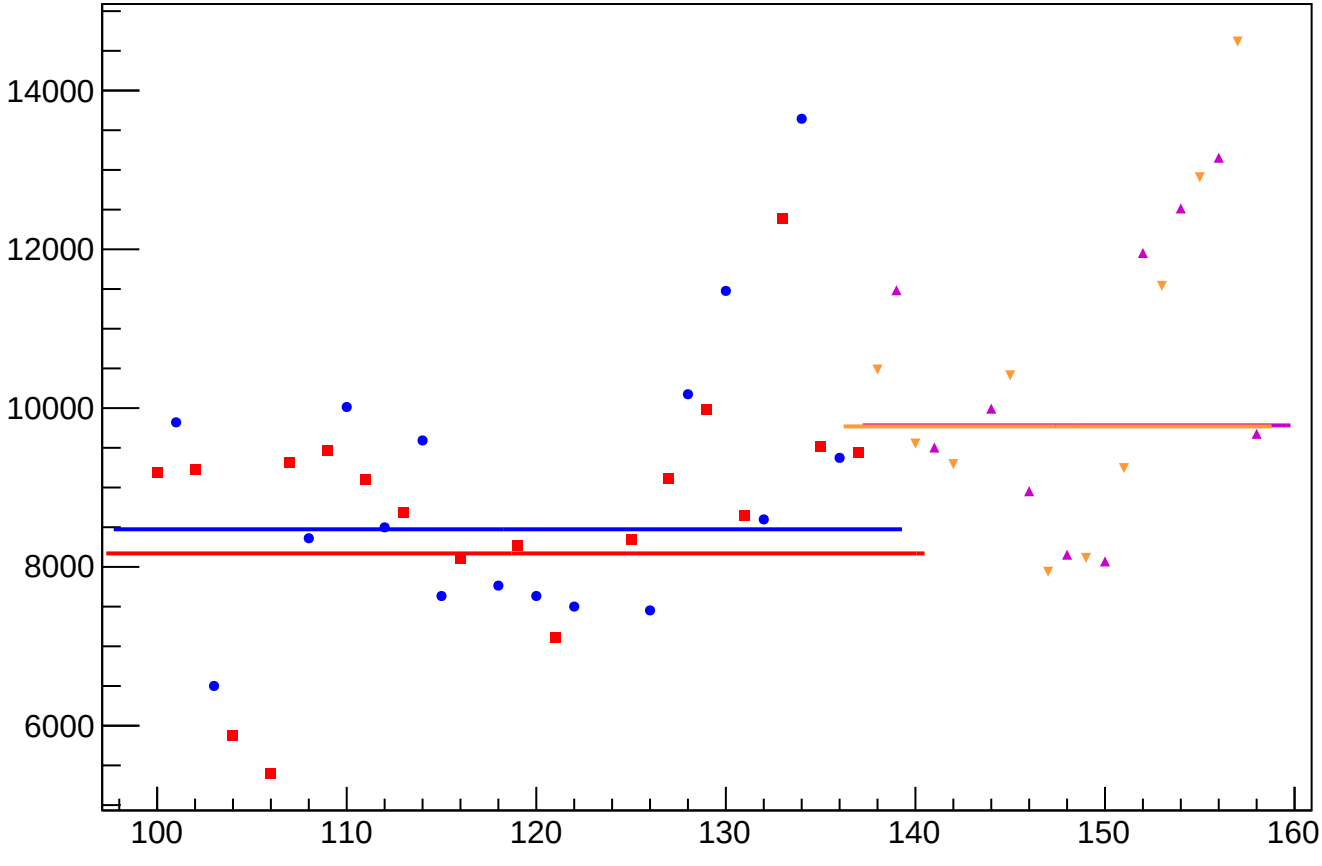
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -147.360+/-2322.157 χ^2/NDF:19.8/25

Out: 958.250+/-2338.187 χ^2/NDF:27.8/27

All: 401.642+/-1647.651 χ^2/NDF: 47.7/53

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9769.709+/-2.518 χ^2/NDF:491811.7/9

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9782.320+/-2.379 χ^2/NDF:450158.5/9

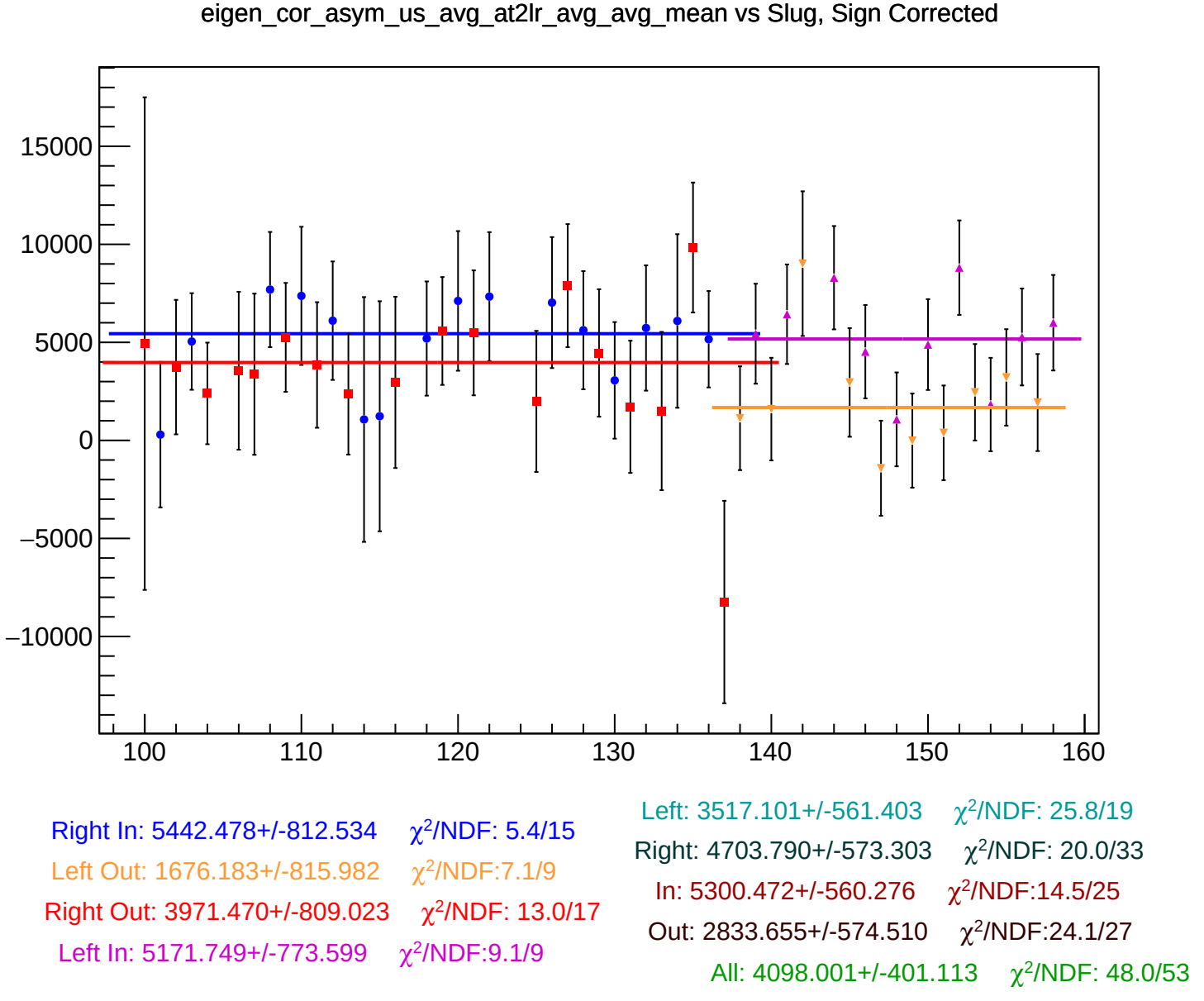
Left: 9776.371+/-1.730 χ^2/NDF: 941983.4/19

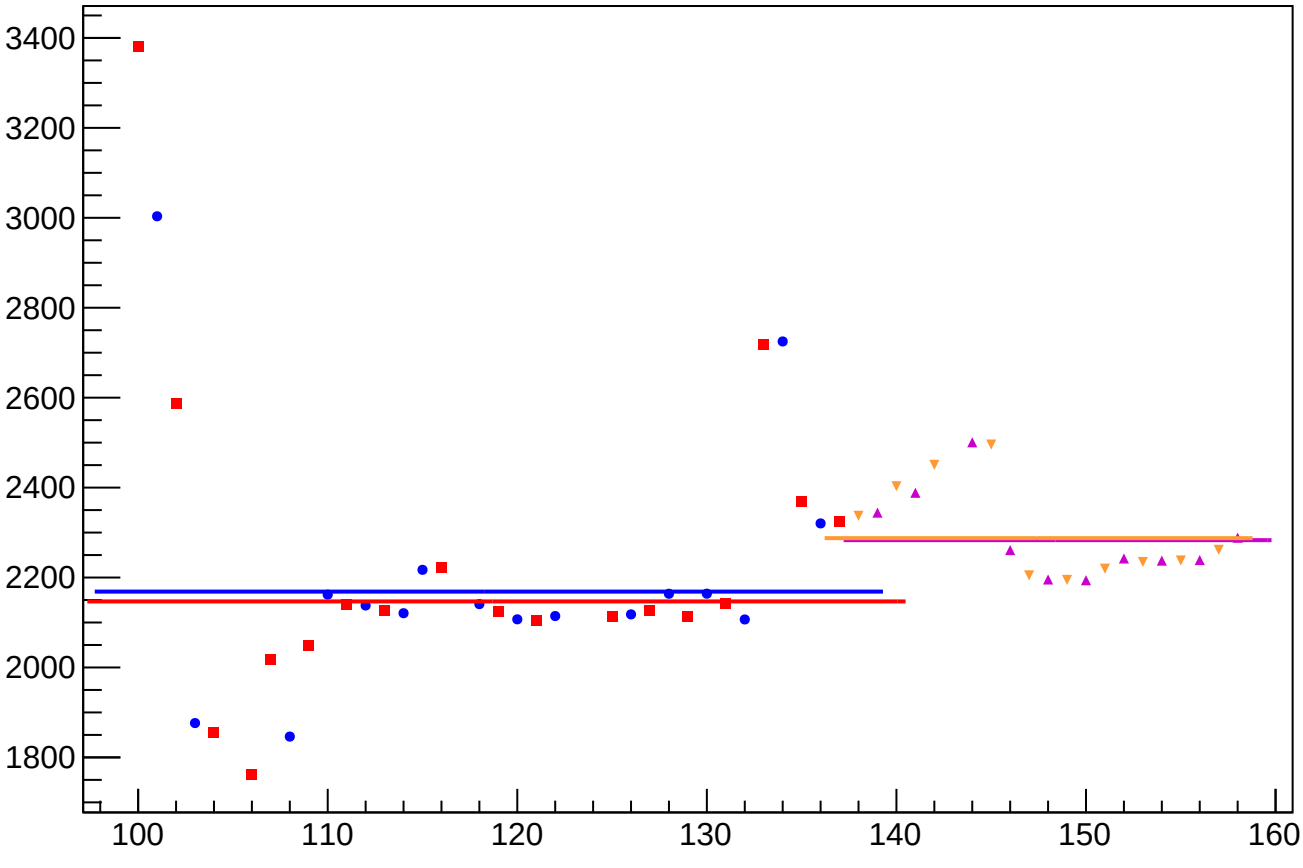
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9096.876+/-1.642 χ^2/NDF:1038121.9/25

Out: 8859.625+/-1.653 χ^2/NDF:1261325.4/27

All: 8979.066+/-1.165 χ^2/NDF: 2309813.9/53


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 1676.183+/-815.982 χ²/NDF:7.1/9
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5171.749+/-773.599 χ²/NDF:9.1/9
Left: 3517.101+/-561.403 χ²/NDF: 25.8/19
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5300.472+/-560.276 χ²/NDF:14.5/25
Out: 2833.655+/-574.510 χ²/NDF:24.1/27
All: 4098.001+/-401.113 χ²/NDF: 48.0/53



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2287.587+/-0.577 χ^2/NDF:28653.3/9

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

Left: 2285.241+/-0.397 χ^2/NDF: 54674.7/19

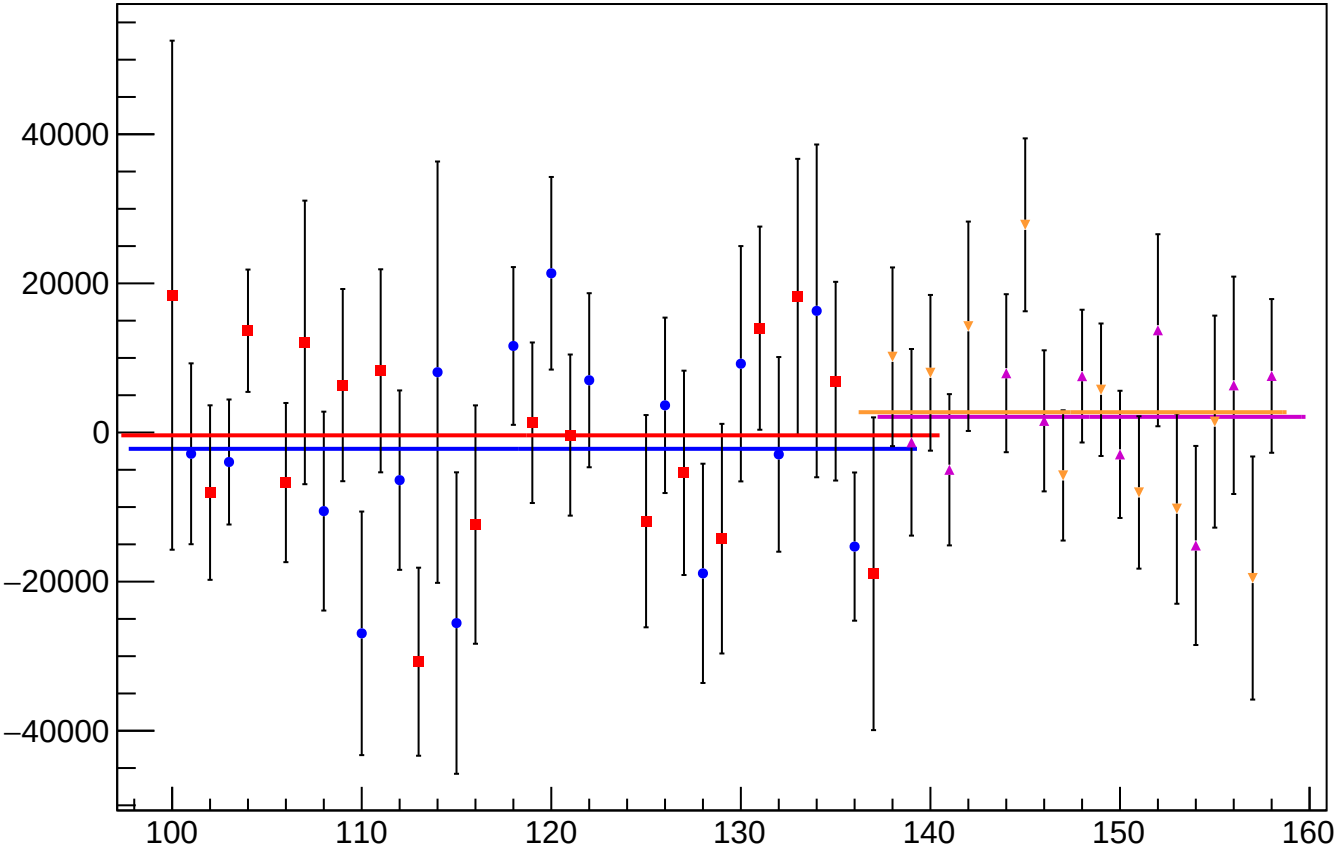
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.731+/-0.396 χ^2/NDF:242451.5/25

Out: 2216.285+/-0.405 χ^2/NDF:216538.5/27

All: 2222.648+/-0.283 χ^2/NDF: 459472.3/53

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 2723.376+/-3561.215 χ^2/NDF:11.1/9

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2098.717+/-3365.121 χ^2/NDF:4.4/9

Left: 2393.376+/-2445.887 χ^2/NDF: 15.5/19

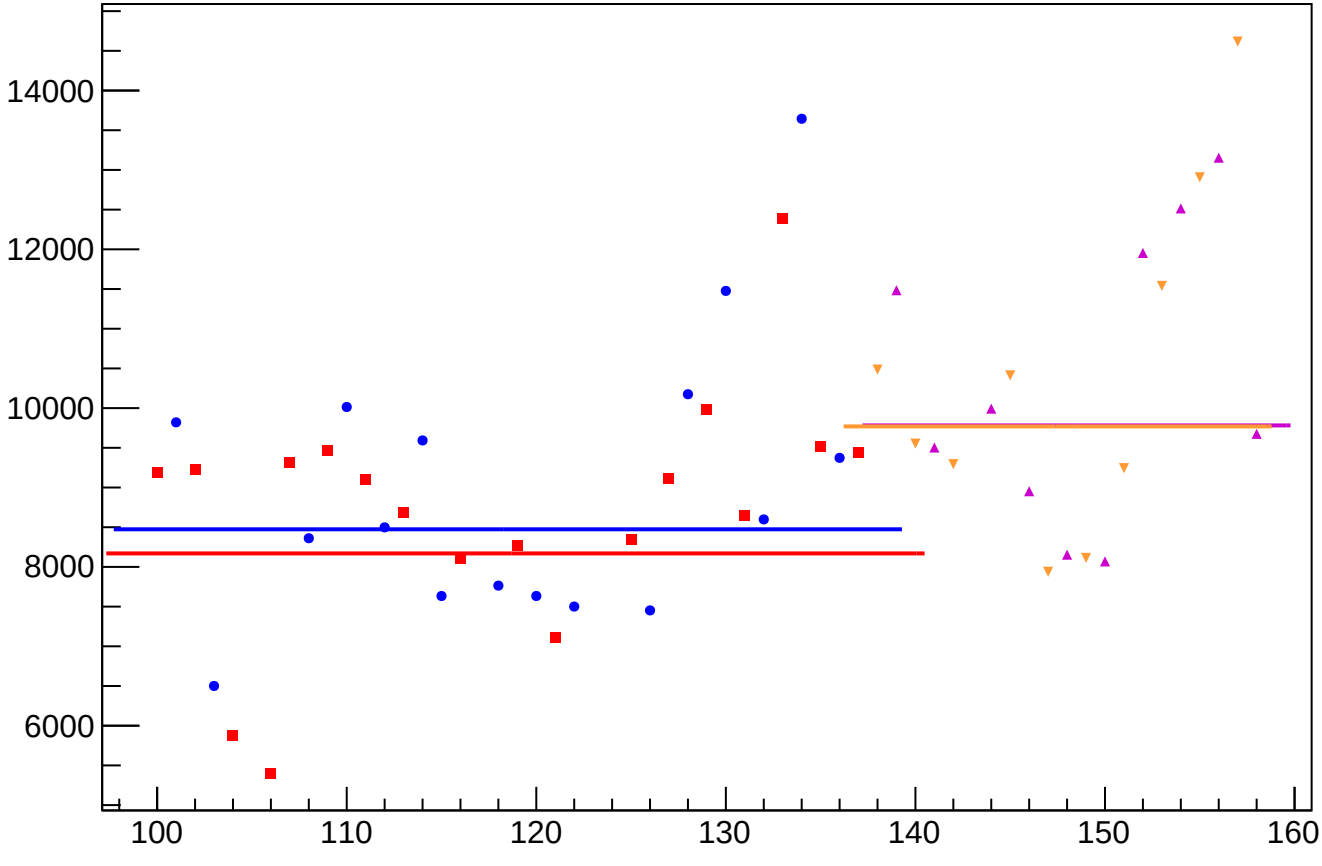
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -147.360+/-2322.157 χ^2/NDF:19.8/25

Out: 958.250+/-2338.187 χ^2/NDF:27.8/27

All: 401.642+/-1647.651 χ^2/NDF: 47.7/53

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9769.709+/-2.518 χ^2/NDF:491811.7/9

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9782.320+/-2.379 χ^2/NDF:450158.5/9

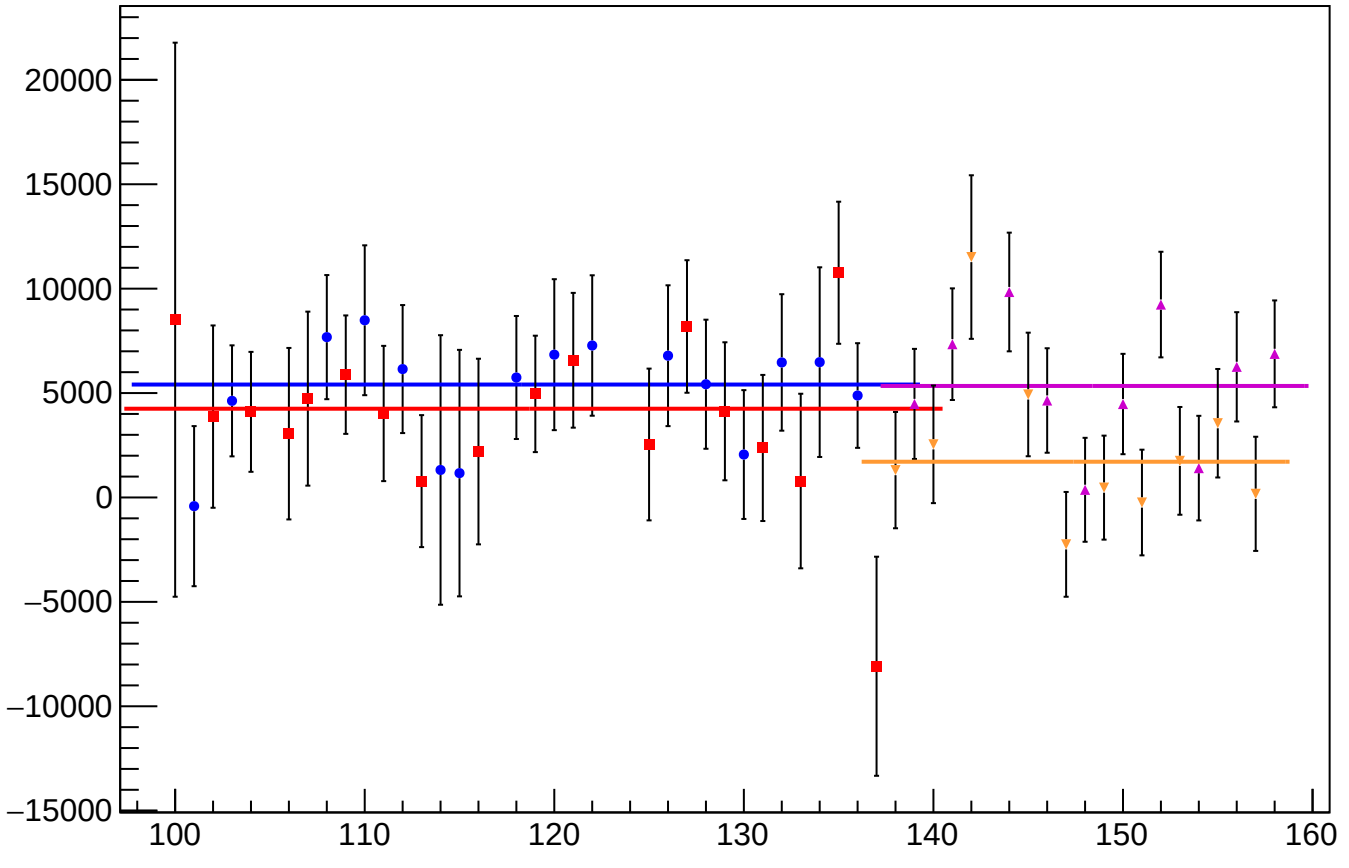
Left: 9776.371+/-1.730 χ^2/NDF: 941983.4/19

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9096.876+/-1.642 χ^2/NDF:1038121.9/25

Out: 8859.625+/-1.653 χ^2/NDF:1261325.4/27

All: 8979.066+/-1.165 χ^2/NDF: 2309813.9/53



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1711.460+/-863.003 χ^2/NDF:11.7/9

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5340.344+/-812.052 χ^2/NDF:12.7/9

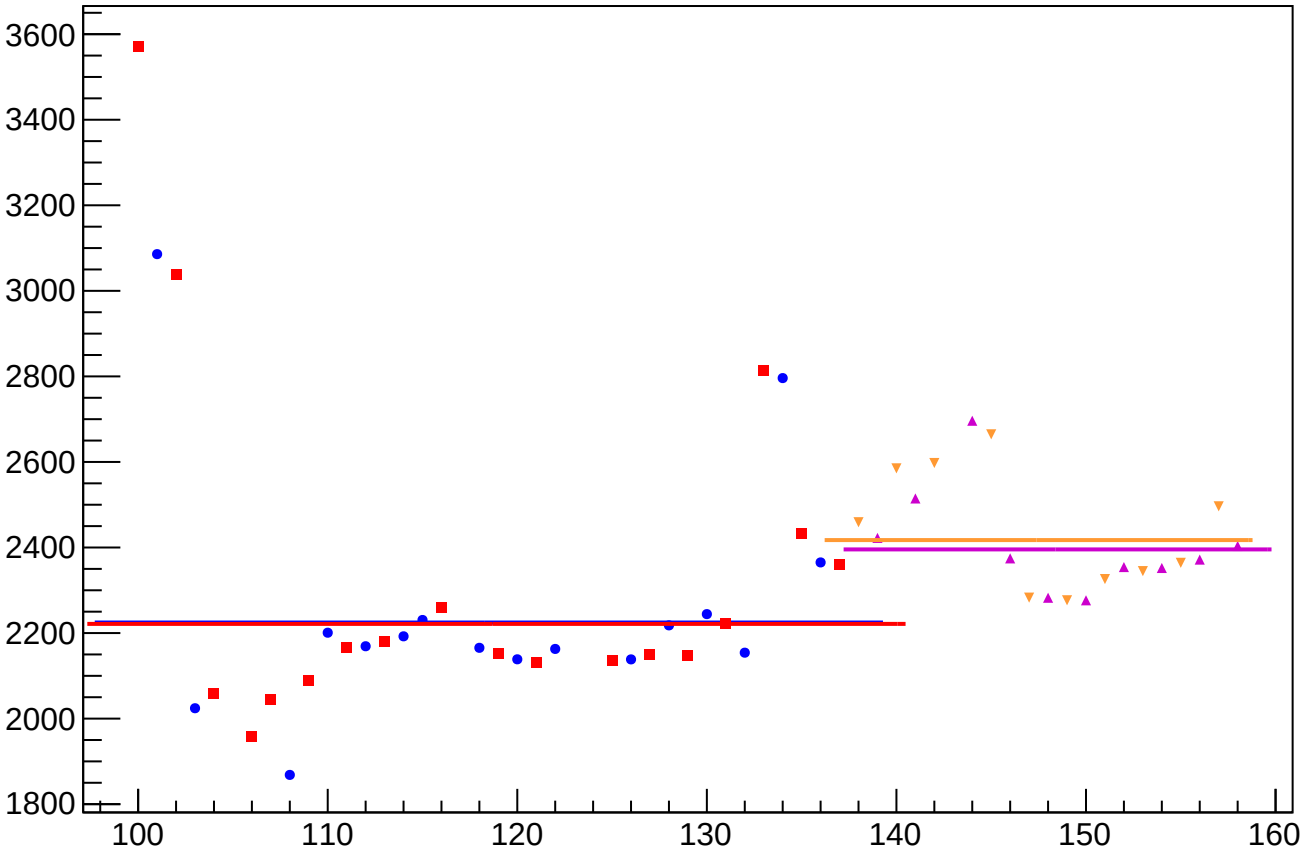
Left: 3636.182+/-591.400 χ^2/NDF: 33.8/19

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5373.218+/-581.706 χ^2/NDF:19.4/25

Out: 3015.964+/-601.693 χ^2/NDF:30.6/27

All: 4234.392+/-418.216 χ^2/NDF: 58.0/53



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2417.352+/-0.610 χ^2/NDF:44542.9/9

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2395.534+/-0.574 χ^2/NDF:37063.4/9

Left: 2405.780+/-0.418 χ^2/NDF: 82284.3/19

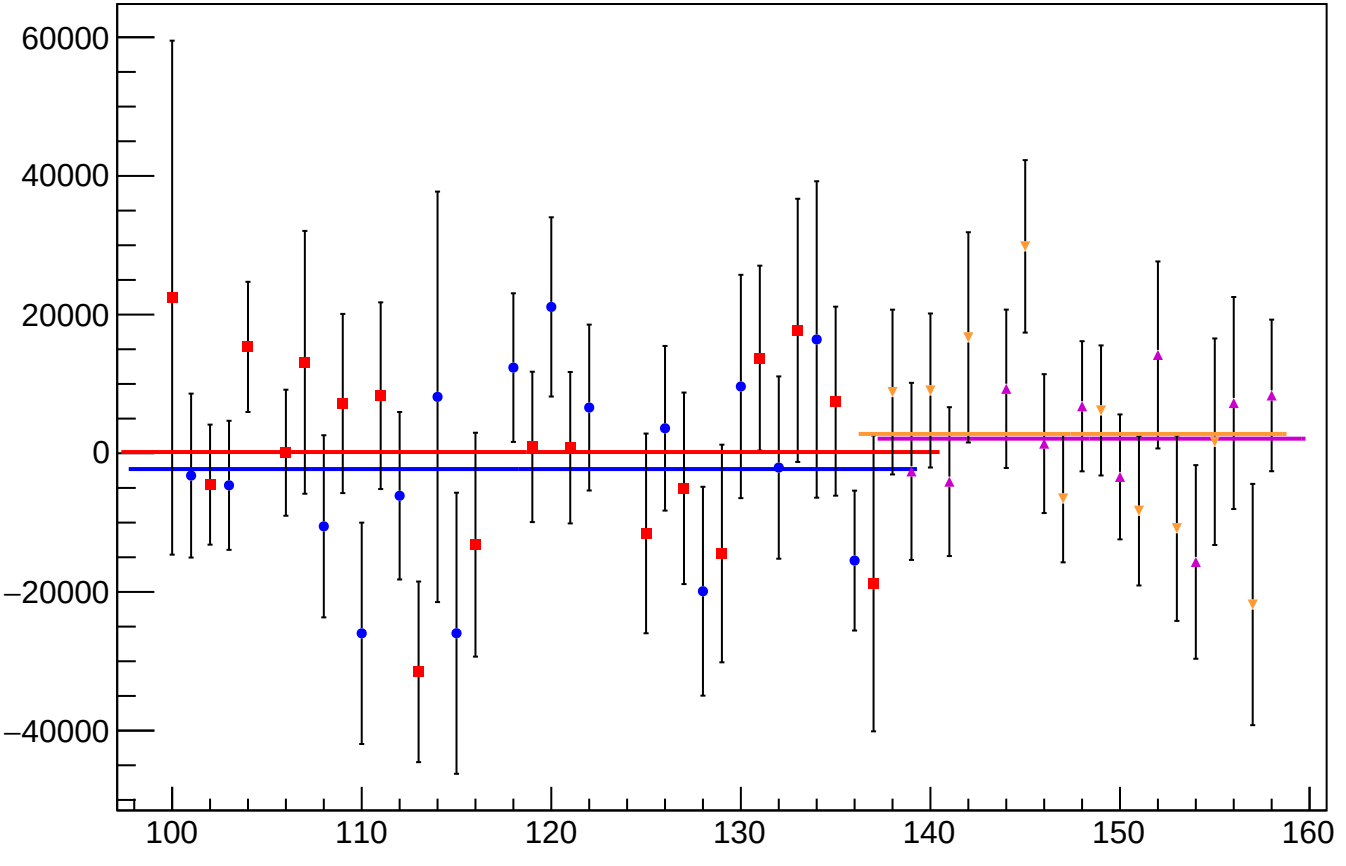
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2312.321+/-0.411 χ^2/NDF:264880.4/25

Out: 2316.605+/-0.425 χ^2/NDF:267494.2/27

All: 2314.391+/-0.296 χ^2/NDF: 532427.0/53

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: 2789.075+/-3748.560 χ^2/NDF:11.4/9

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2103.294+/-3549.065 χ^2/NDF:4.4/9

Left: 2427.452+/-2577.209 χ^2/NDF: 15.8/19

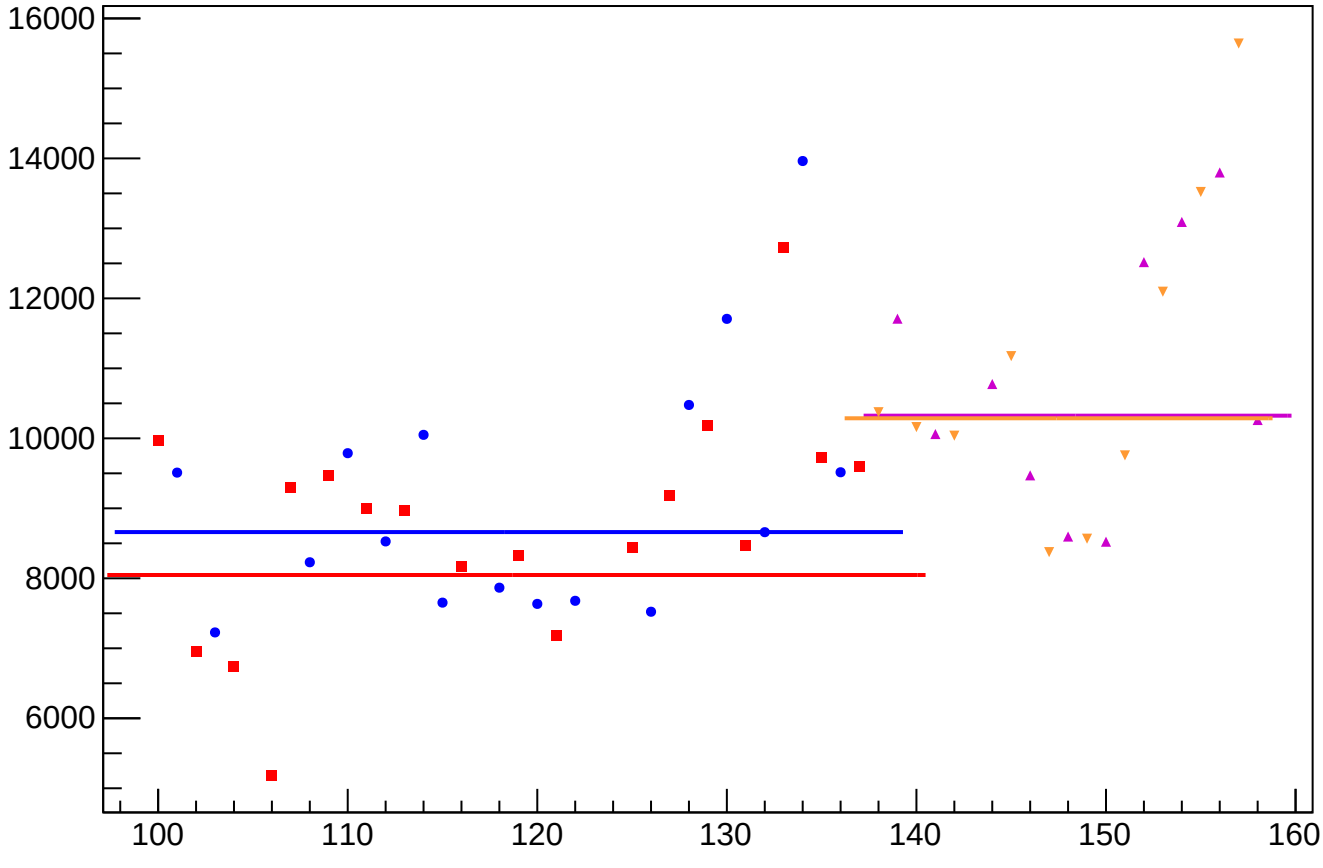
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -265.428+/-2405.549 χ^2/NDF:19.7/25

Out: 1211.442+/-2358.966 χ^2/NDF:27.3/27

All: 487.445+/-1684.269 χ^2/NDF: 47.2/53

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: 10286.630+/-2.651 χ^2/NDF:489772.2/9

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10324.009+/-2.510 χ^2/NDF:424939.9/9

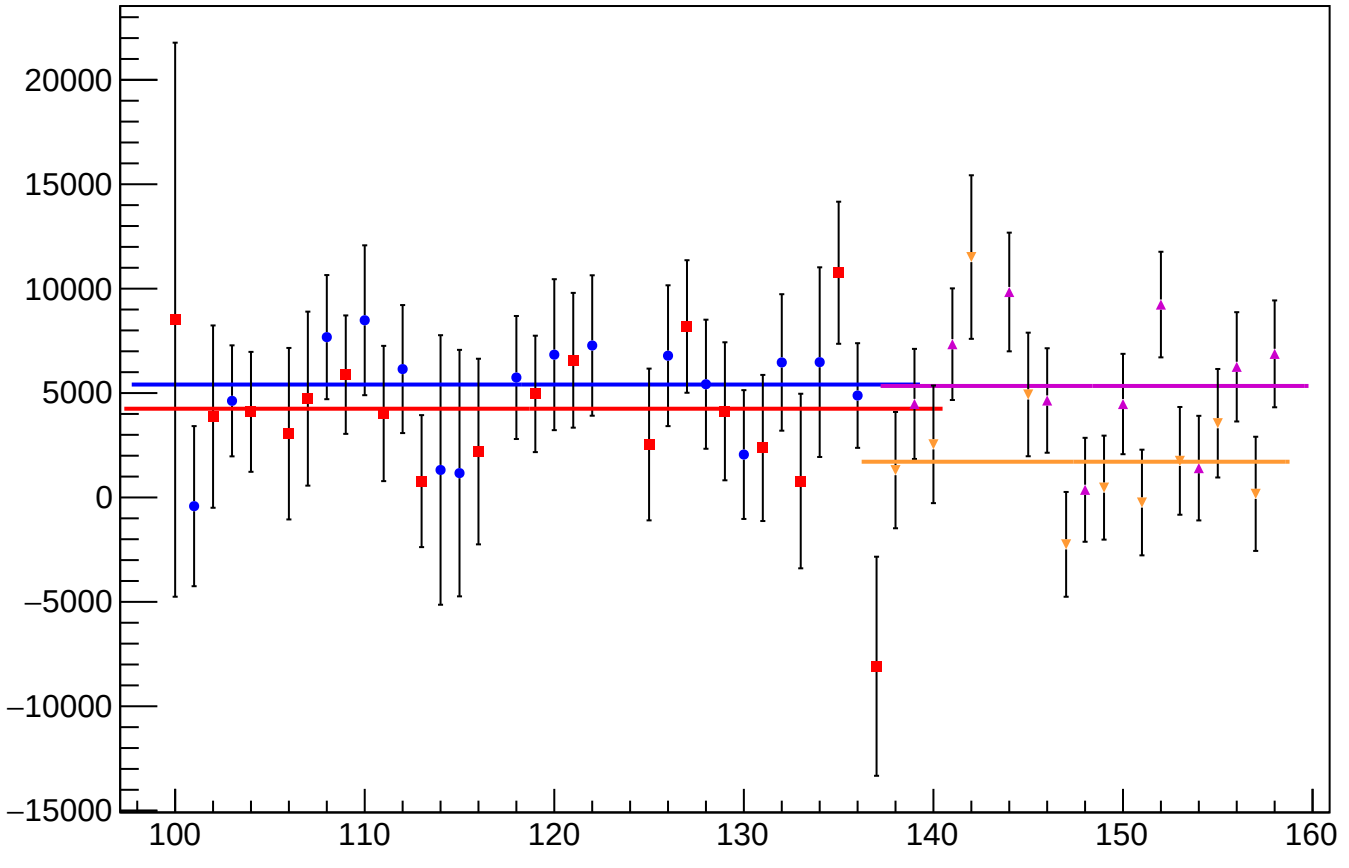
Left: 10306.340+/-1.822 χ^2/NDF: 914817.0/19

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9424.858+/-1.701 χ^2/NDF:1020366.5/25

Out: 8934.210+/-1.668 χ^2/NDF:1479353.8/27

All: 9174.738+/-1.191 χ^2/NDF: 2542135.4/53



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1711.455+/-863.004 χ^2/NDF:11.7/9

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5340.345+/-812.053 χ^2/NDF:12.7/9

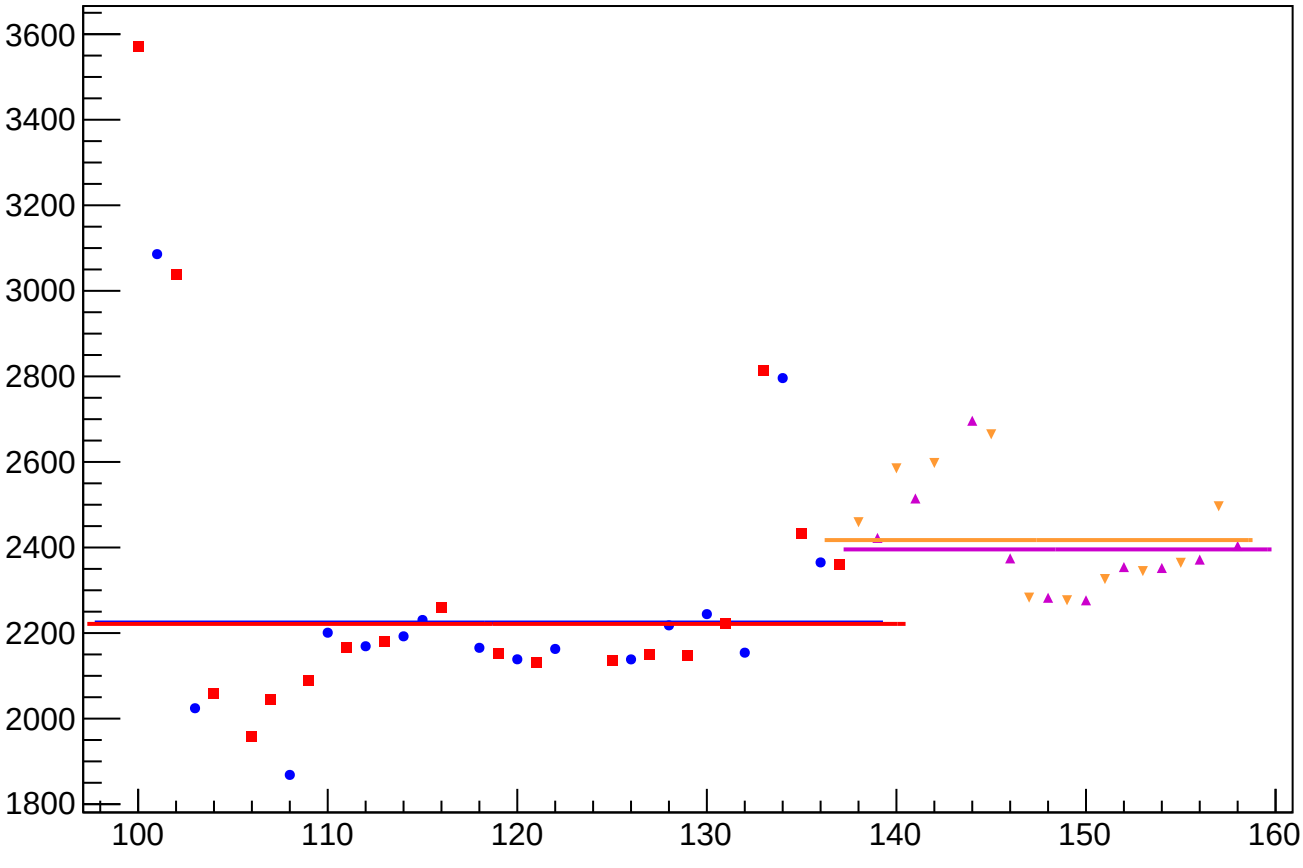
Left: 3636.180+/-591.401 χ^2/NDF: 33.8/19

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5373.219+/-581.707 χ^2/NDF:19.4/25

Out: 3015.966+/-601.693 χ^2/NDF:30.6/27

All: 4234.394+/-418.216 χ^2/NDF: 58.0/53



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2417.355+/-0.610 χ^2/NDF:44543.6/9

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2395.538+/-0.574 χ^2/NDF:37063.7/9

Left: 2405.783+/-0.418 χ^2/NDF: 82285.3/19

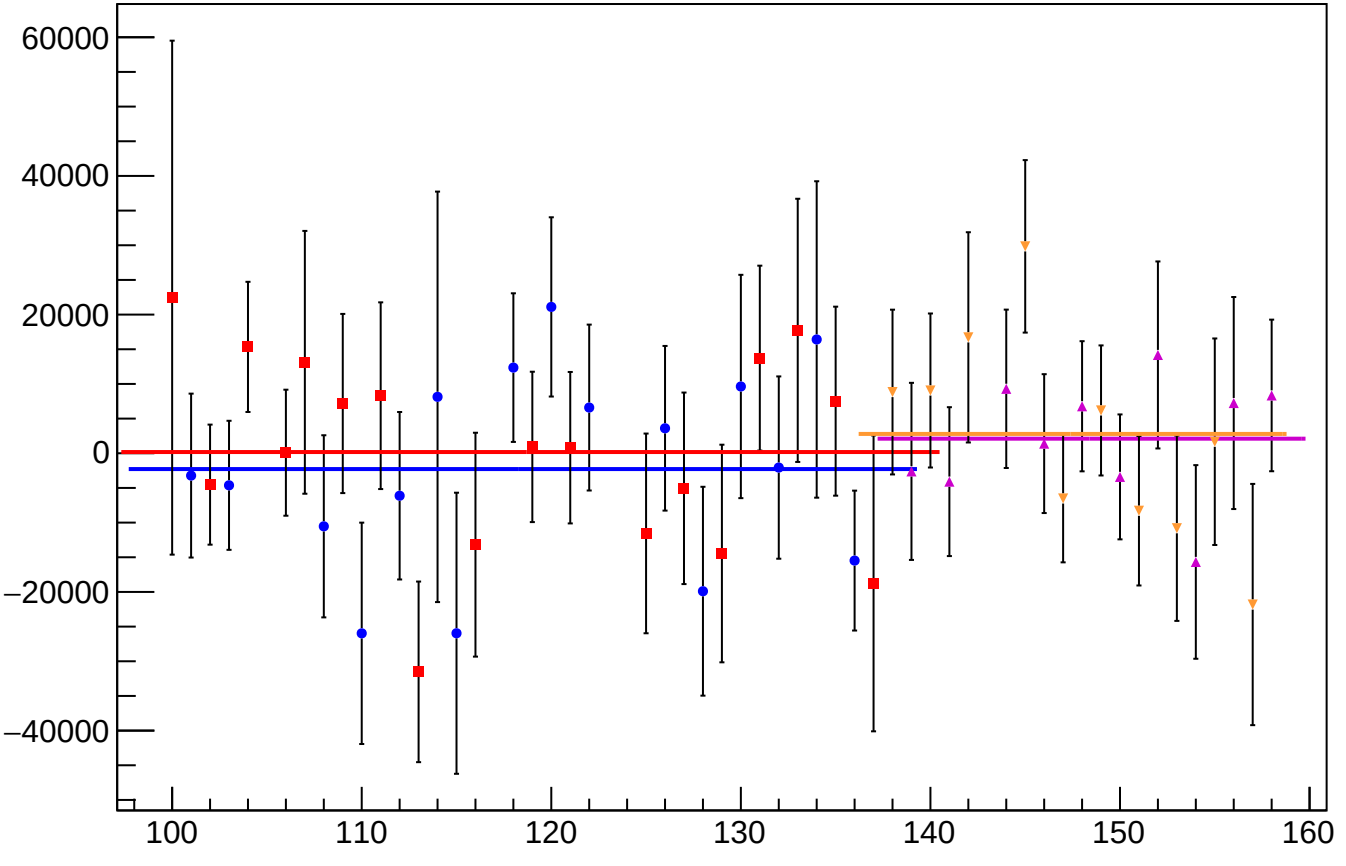
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2312.322+/-0.411 χ^2/NDF:264882.8/25

Out: 2316.606+/-0.425 χ^2/NDF:267496.9/27

All: 2314.392+/-0.296 χ^2/NDF: 532432.1/53

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 2789.068+/-3748.565 χ^2/NDF:11.4/9

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2103.295+/-3549.070 χ^2/NDF:4.4/9

Left: 2427.448+/-2577.213 χ^2/NDF: 15.8/19

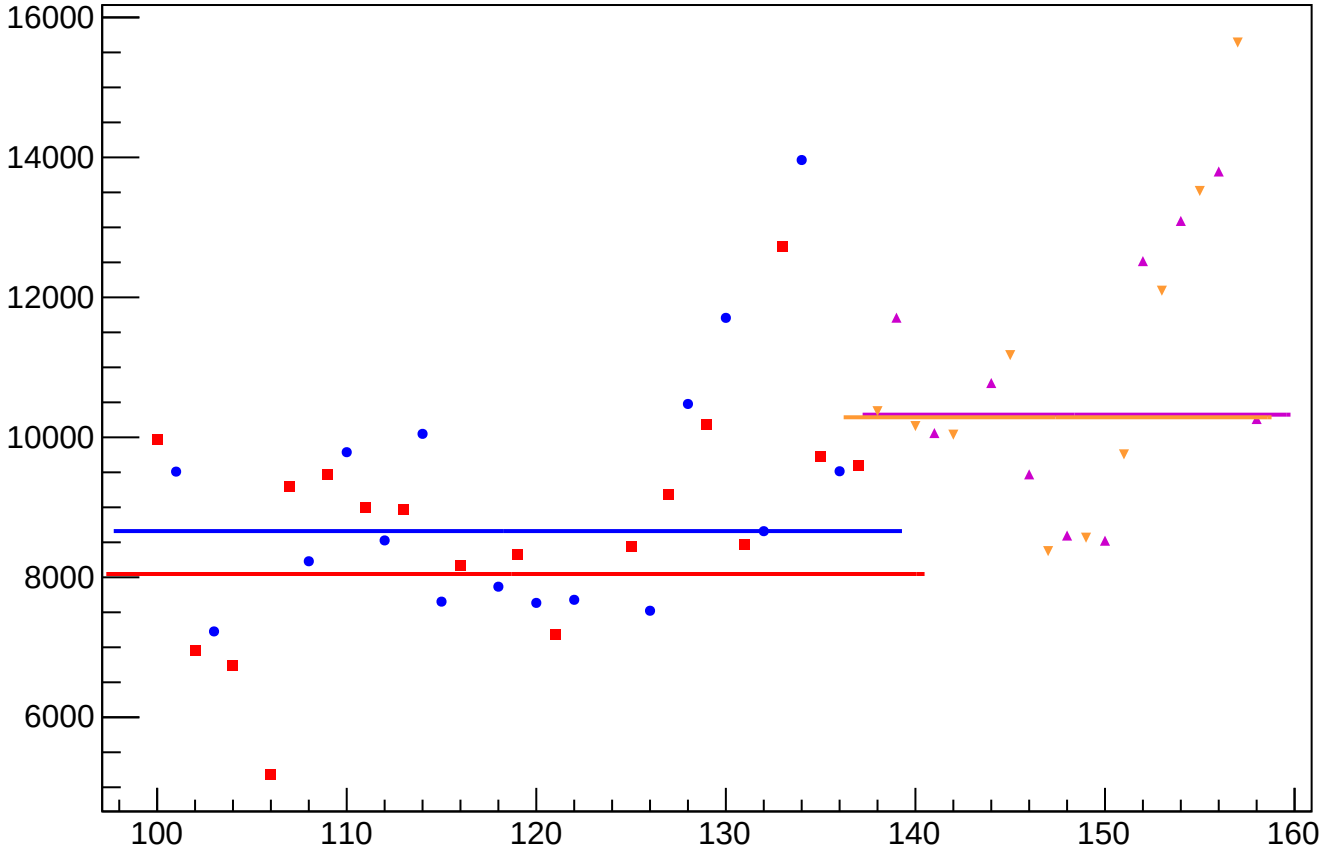
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -265.424+/-2405.547 χ^2/NDF:19.7/25

Out: 1211.438+/-2358.964 χ^2/NDF:27.3/27

All: 487.445+/-1684.268 χ^2/NDF: 47.2/53

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10286.643+/-2.651 χ^2/NDF:489773.3/9

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10324.023+/-2.510 χ^2/NDF:424940.4/9

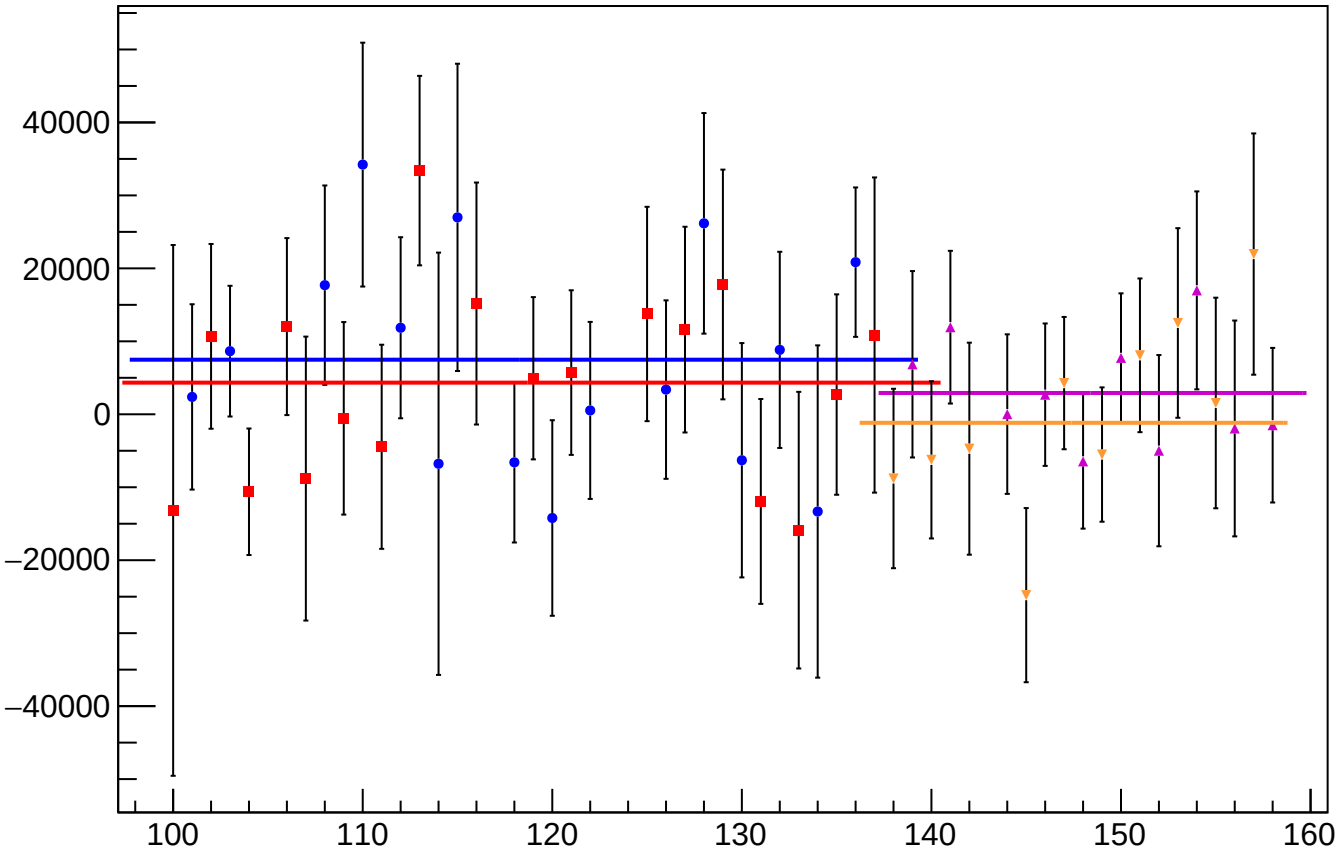
Left: 10306.354+/-1.822 χ^2/NDF: 914818.6/19

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9424.850+/-1.701 χ^2/NDF:1020379.5/25

Out: 8934.201+/-1.668 χ^2/NDF:1479365.3/27

All: 9174.729+/-1.191 χ^2/NDF: 2542160.2/53



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -1166.927+/-3667.555 χ^2/NDF:9.0/9

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 2920.503+/-3462.549 χ^2/NDF:4.0/9

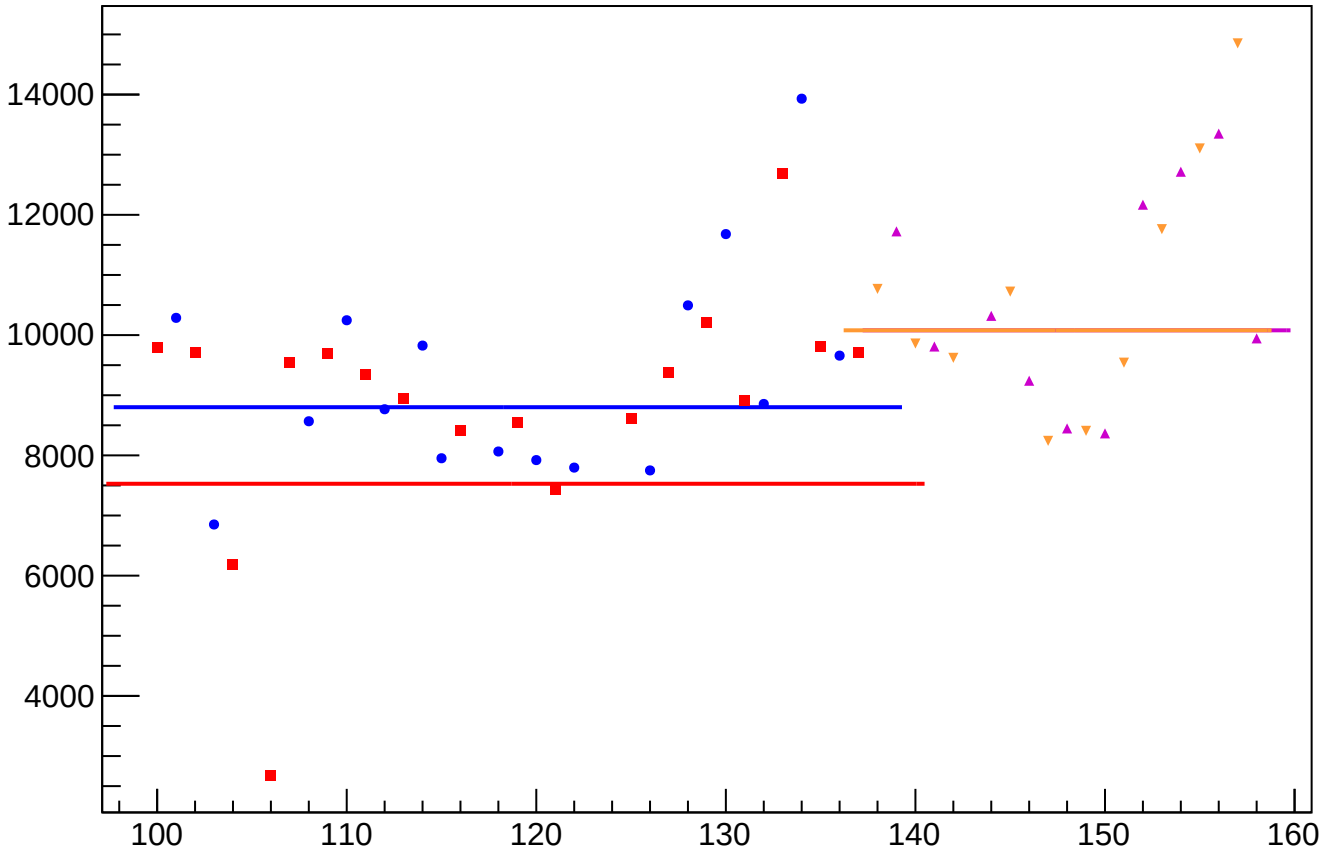
Left: 994.213+/-2517.748 χ^2/NDF: 13.7/19

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5289.485+/-2400.500 χ^2/NDF:18.9/25

Out: 1922.874+/-2429.288 χ^2/NDF:24.6/27

All: 3626.246+/-1707.497 χ^2/NDF: 44.5/53



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10079.684+/-2.593 χ^2/NDF:456154.8/9

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10079.466+/-2.448 χ^2/NDF:412518.8/9

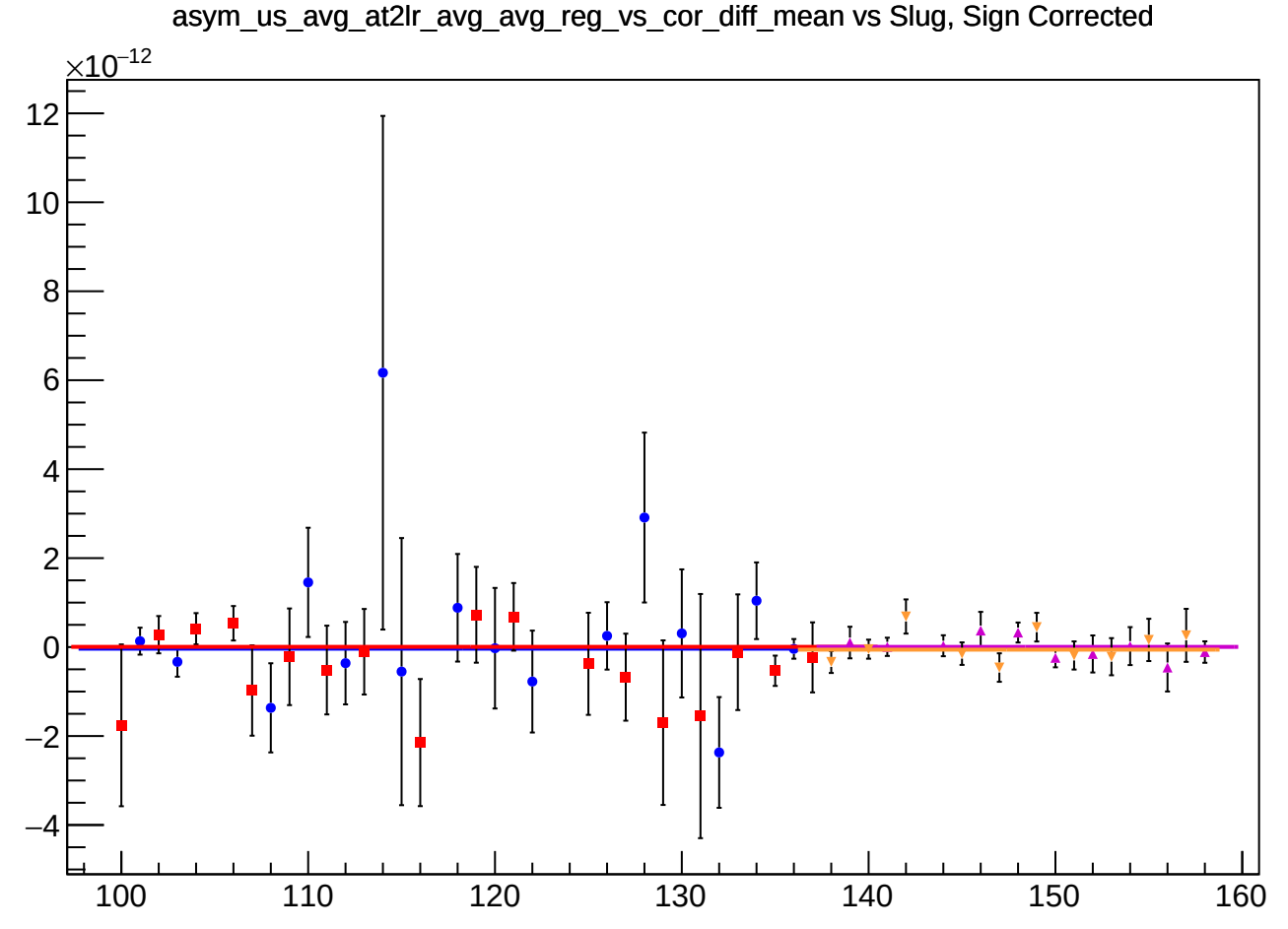
Left: 10079.569+/-1.780 χ^2/NDF: 868673.7/19

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9415.501+/-1.697 χ^2/NDF:948688.6/25

Out: 8554.828+/-1.645 χ^2/NDF:2692038.1/27

All: 8971.730+/-1.181 χ^2/NDF: 3773291.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:5.4/9

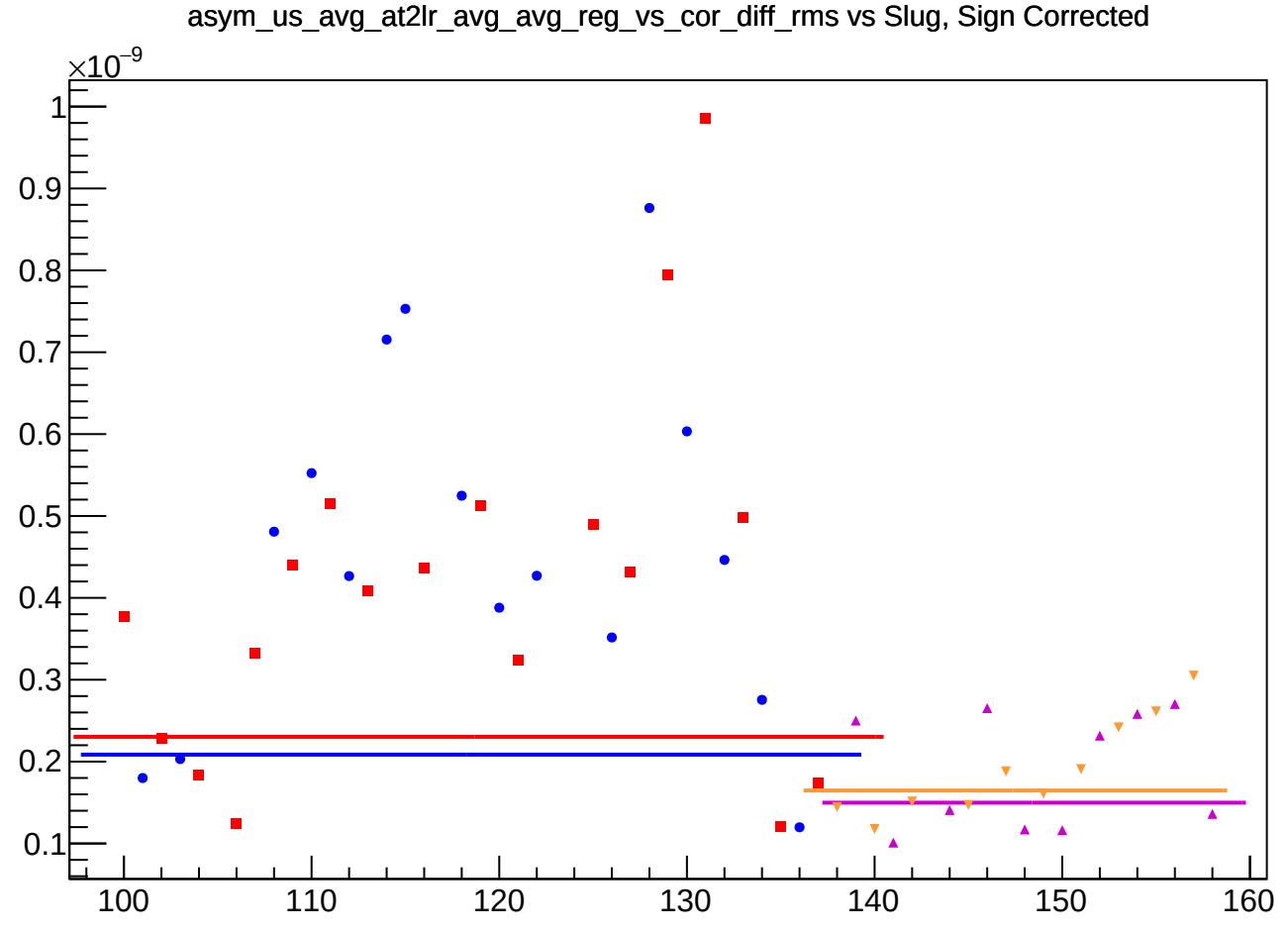
Left: -0.000+/-0.000 χ^2/NDF: 15.6/19

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:19.7/25

Out: -0.000+/-0.000 χ^2/NDF:23.8/27

All: -0.000+/-0.000 χ^2/NDF: 43.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:407830.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:831263.5/9

Left: 0.000+/-0.000 χ^2/NDF: 1264297.5/19

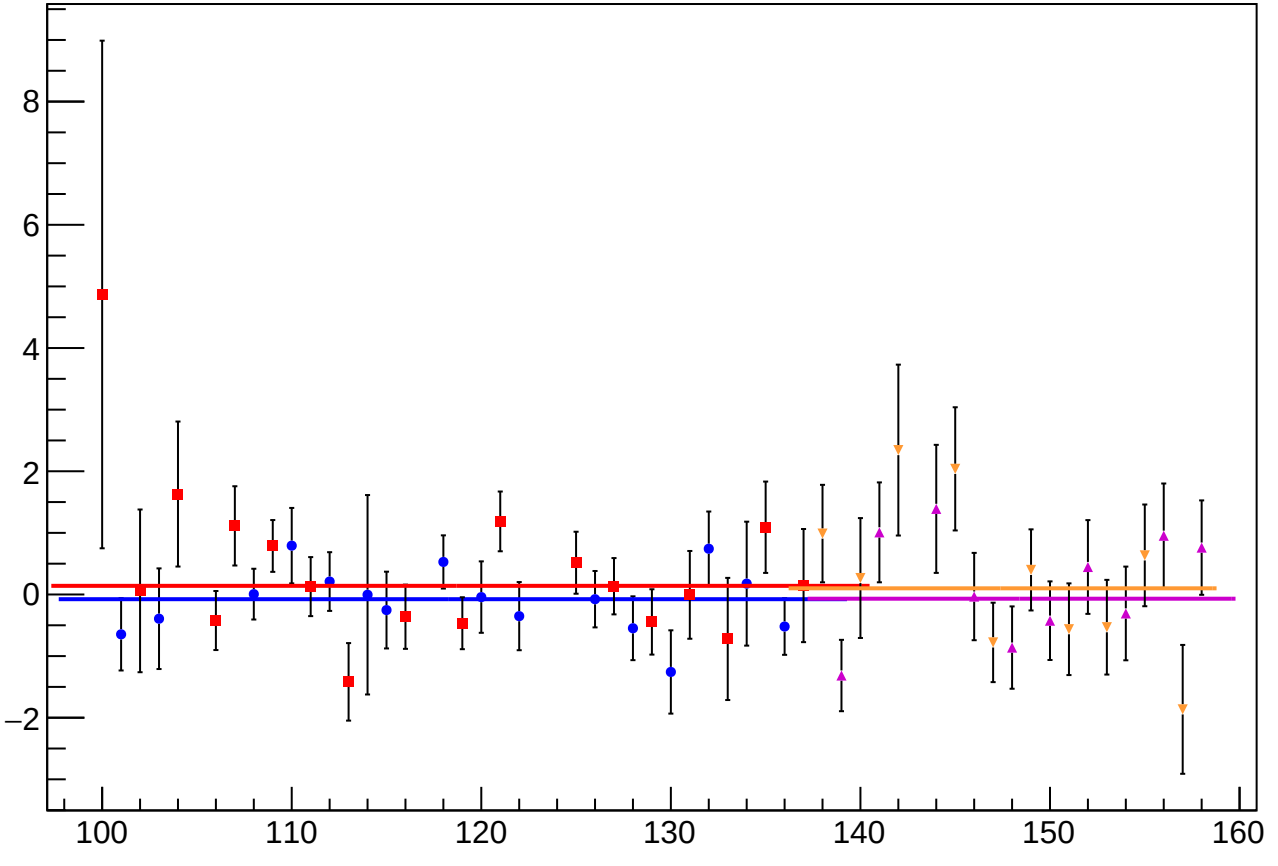
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2711075.0/25

Out: 0.000+/-0.000 χ^2/NDF:2221067.5/27

All: 0.000+/-0.000 χ^2/NDF: 4978942.3/53

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: 0.100+/-0.260 χ^2/NDF:15.2/9

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.069+/-0.231 χ^2/NDF:13.3/9

Left: 0.006+/-0.173 χ^2/NDF: 28.7/19

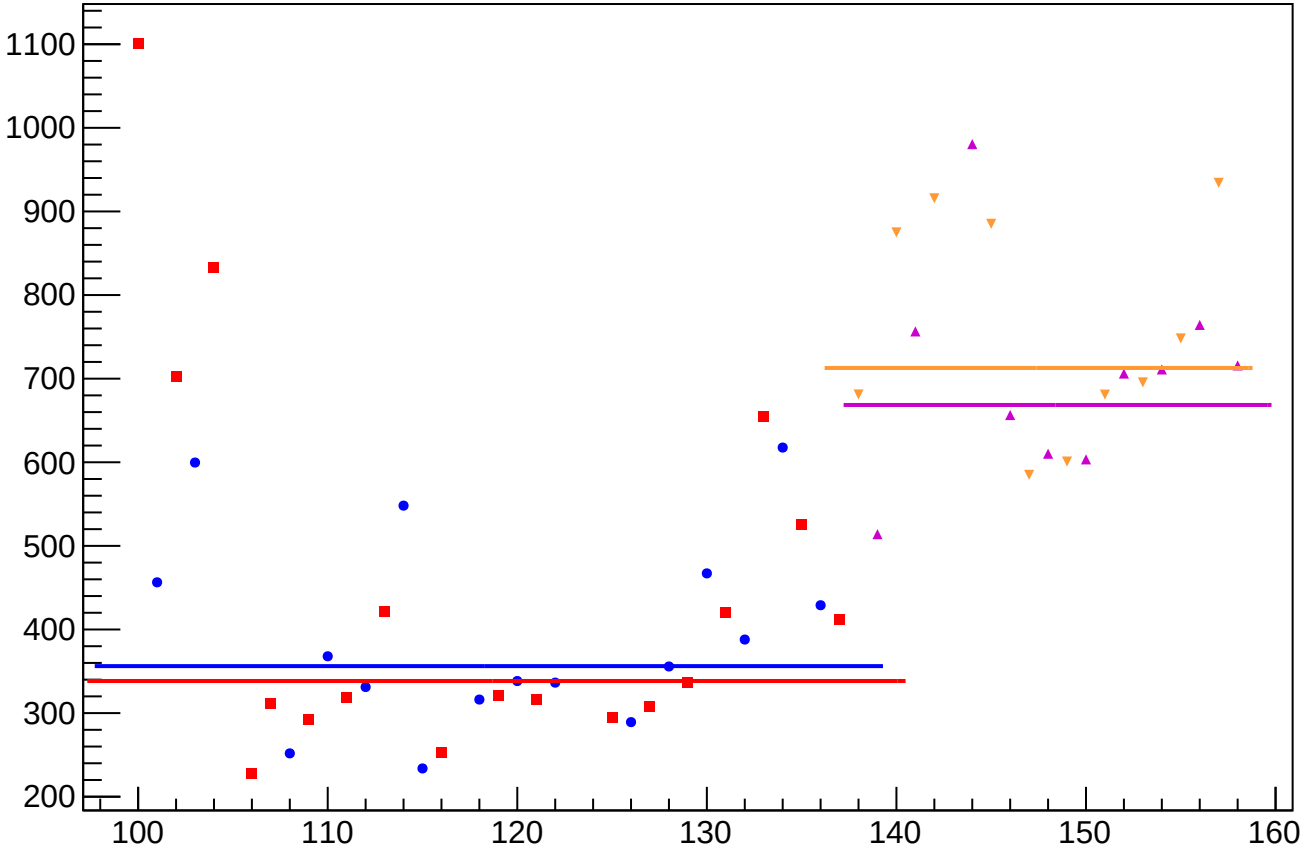
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.074+/-0.120 χ^2/NDF:25.8/25

Out: 0.131+/-0.122 χ^2/NDF:42.1/27

All: 0.027+/-0.085 χ^2/NDF: 69.4/53

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 712.786+/-0.184 χ^2/NDF:395575.7/9

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 668.529+/-0.164 χ^2/NDF:427142.2/9

Left: 688.077+/-0.122 χ^2/NDF: 855024.1/19

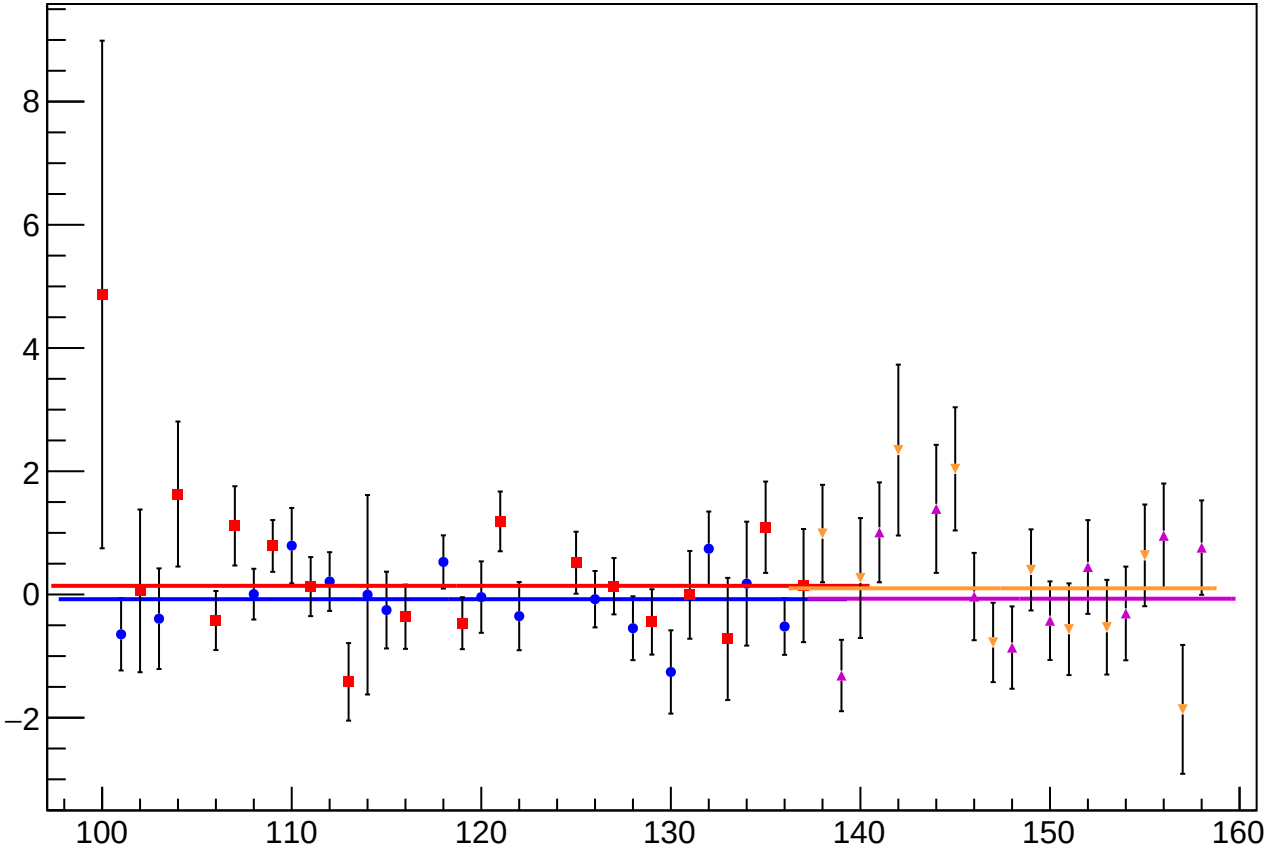
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 439.783+/-0.085 χ^2/NDF:3880262.5/25

Out: 420.576+/-0.086 χ^2/NDF:4830710.3/27

All: 430.352+/-0.060 χ^2/NDF: 8736246.3/53

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: 0.100+/-0.260 χ^2/NDF:15.2/9

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.069+/-0.231 χ^2/NDF:13.3/9

Left: 0.006+/-0.173 χ^2/NDF: 28.7/19

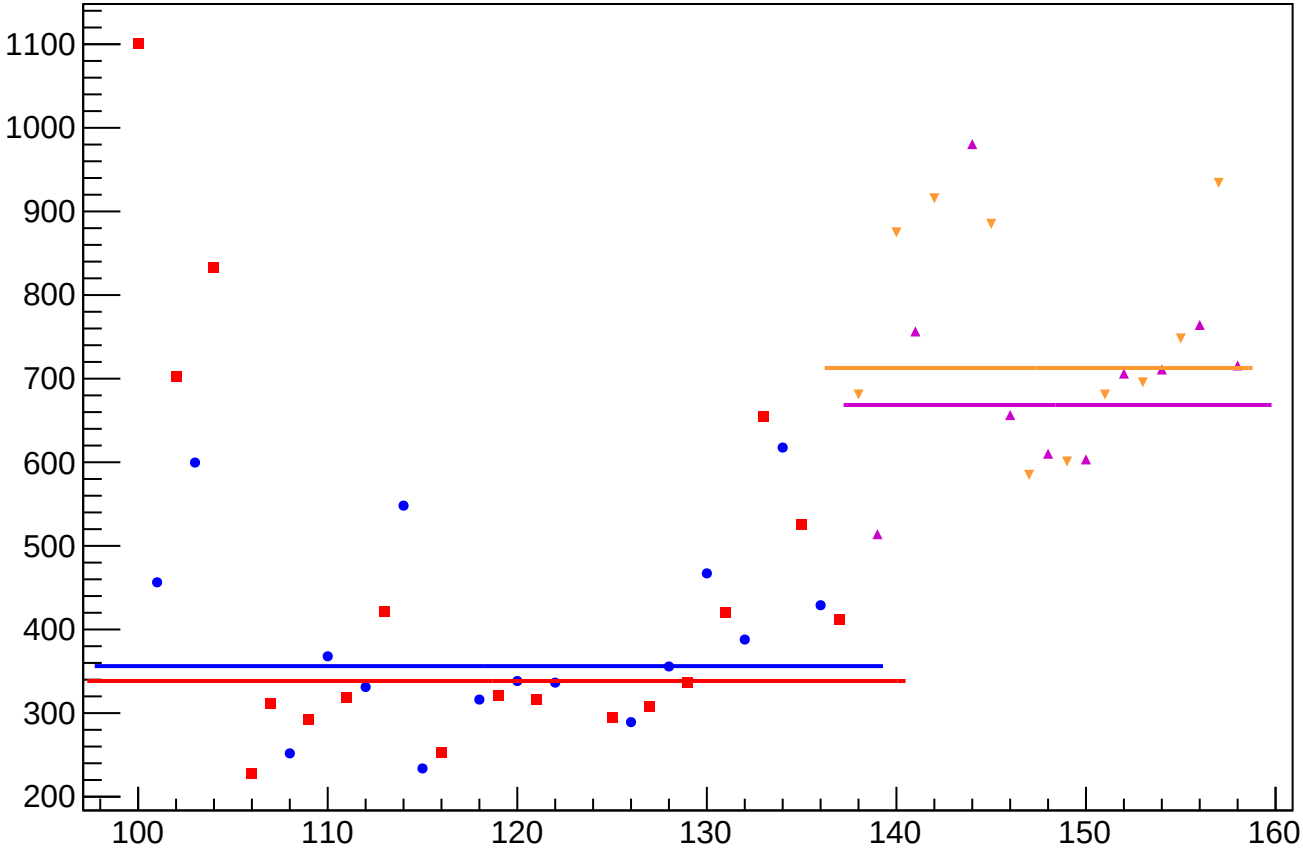
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.074+/-0.120 χ^2/NDF:25.8/25

Out: 0.131+/-0.122 χ^2/NDF:42.1/27

All: 0.027+/-0.085 χ^2/NDF: 69.4/53

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: 712.786+/-0.184 χ^2/NDF:395575.7/9

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 668.529+/-0.164 χ^2/NDF:427142.2/9

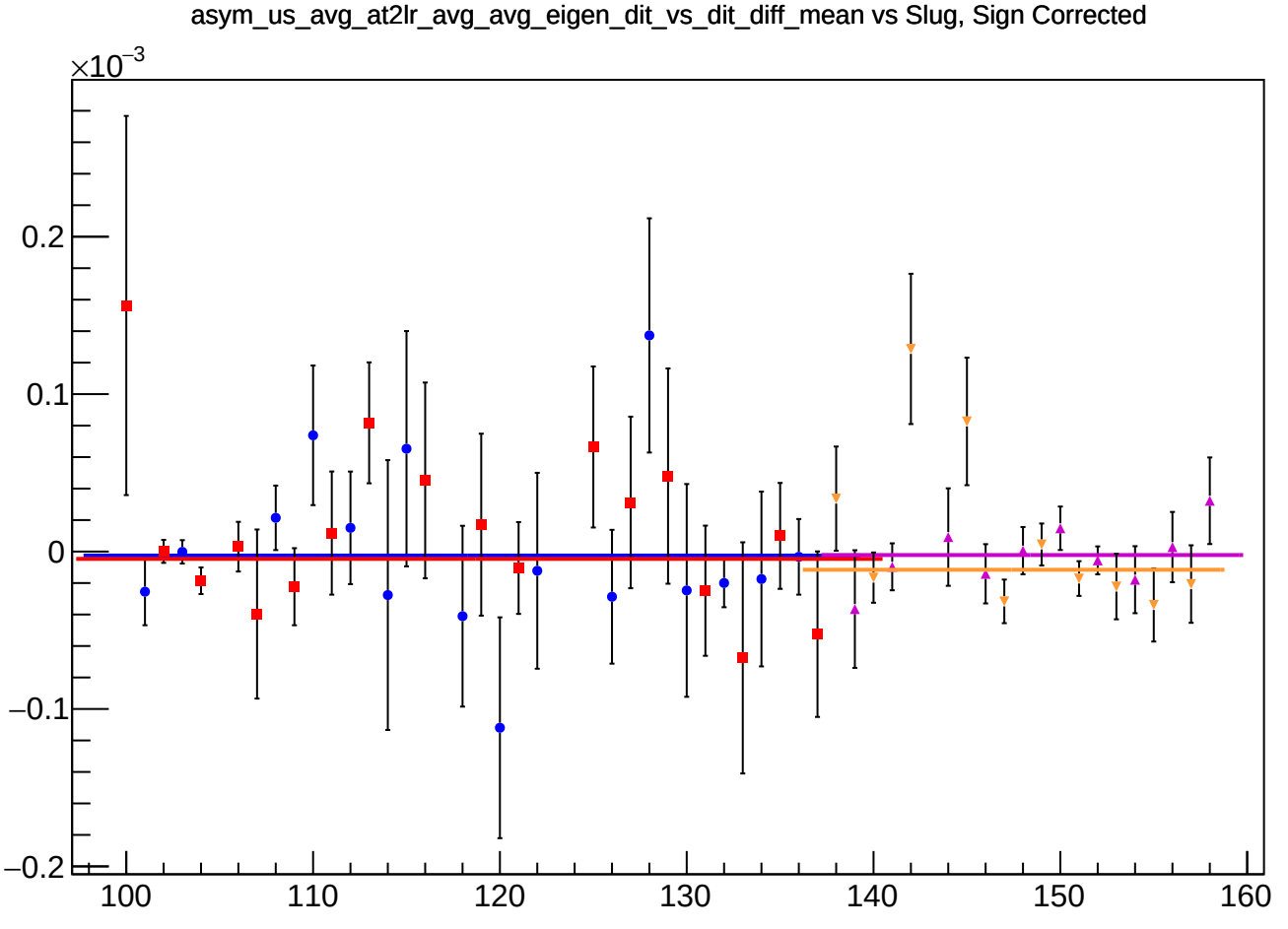
Left: 688.077+/-0.122 χ^2/NDF: 855024.1/19

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 439.783+/-0.085 χ^2/NDF:3880262.5/25

Out: 420.576+/-0.086 χ^2/NDF:4830710.3/27

All: 430.352+/-0.060 χ^2/NDF: 8736246.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.5/9

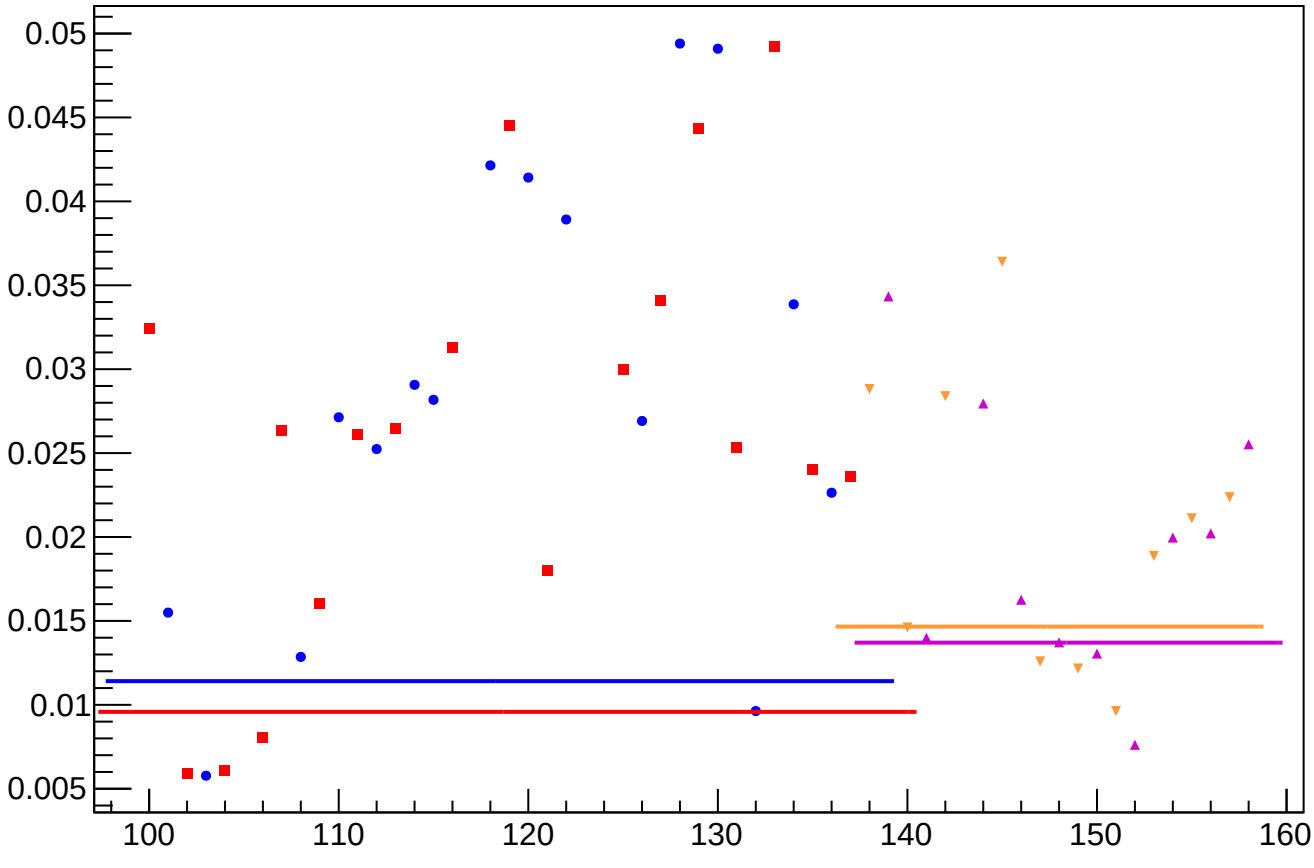
Left: -0.000+/-0.000 χ^2/NDF: 28.1/19

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:20.5/25

Out: -0.000+/-0.000 χ^2/NDF:39.1/27

All: -0.000+/-0.000 χ^2/NDF: 60.6/53



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:2071358.1/9

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:2730104.6/9

Left: 0.014+/-0.000 χ^2/NDF: 4832324.5/19

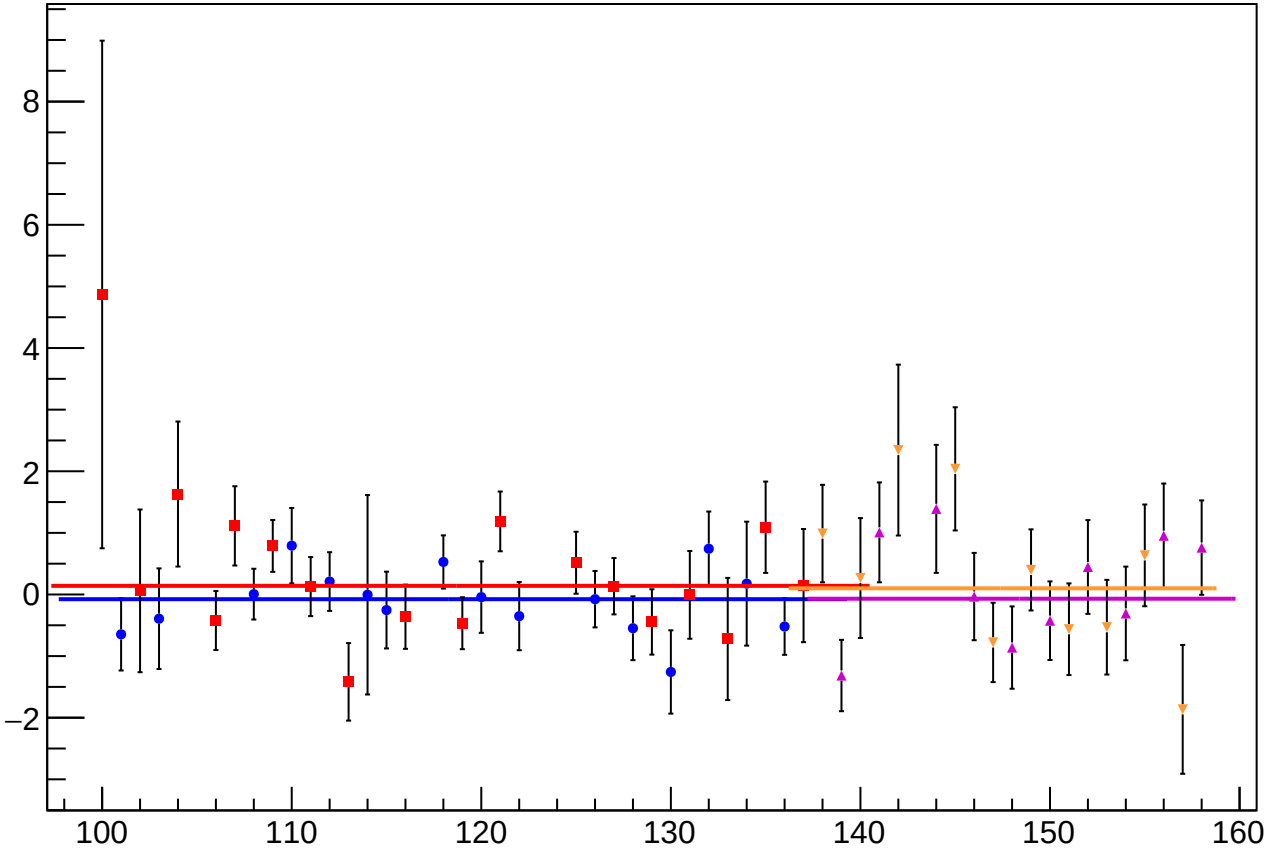
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:8412211.3/25

Out: 0.012+/-0.000 χ^2/NDF:8801984.0/27

All: 0.012+/-0.000 χ^2/NDF: 17284470.9/53

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: 0.100+/-0.260 χ^2/NDF:15.2/9

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.069+/-0.231 χ^2/NDF:13.3/9

Left: 0.006+/-0.173 χ^2/NDF: 28.7/19

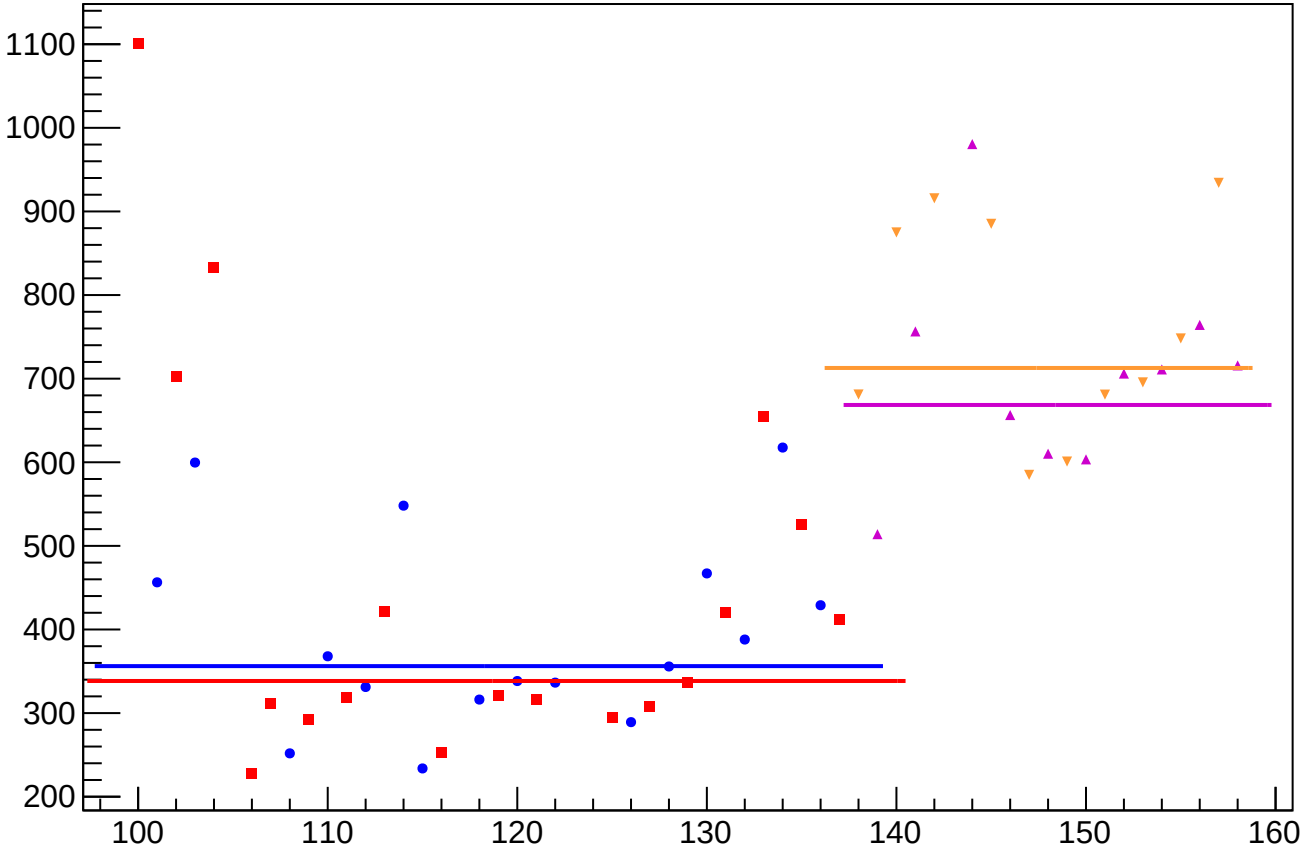
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.074+/-0.120 χ^2/NDF:25.8/25

Out: 0.131+/-0.122 χ^2/NDF:42.1/27

All: 0.027+/-0.085 χ^2/NDF: 69.4/53

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.794+/-0.184 χ^2/NDF:395586.4/9

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 668.539+/-0.164 χ^2/NDF:427132.0/9

Left: 688.086+/-0.122 χ^2/NDF: 855021.6/19

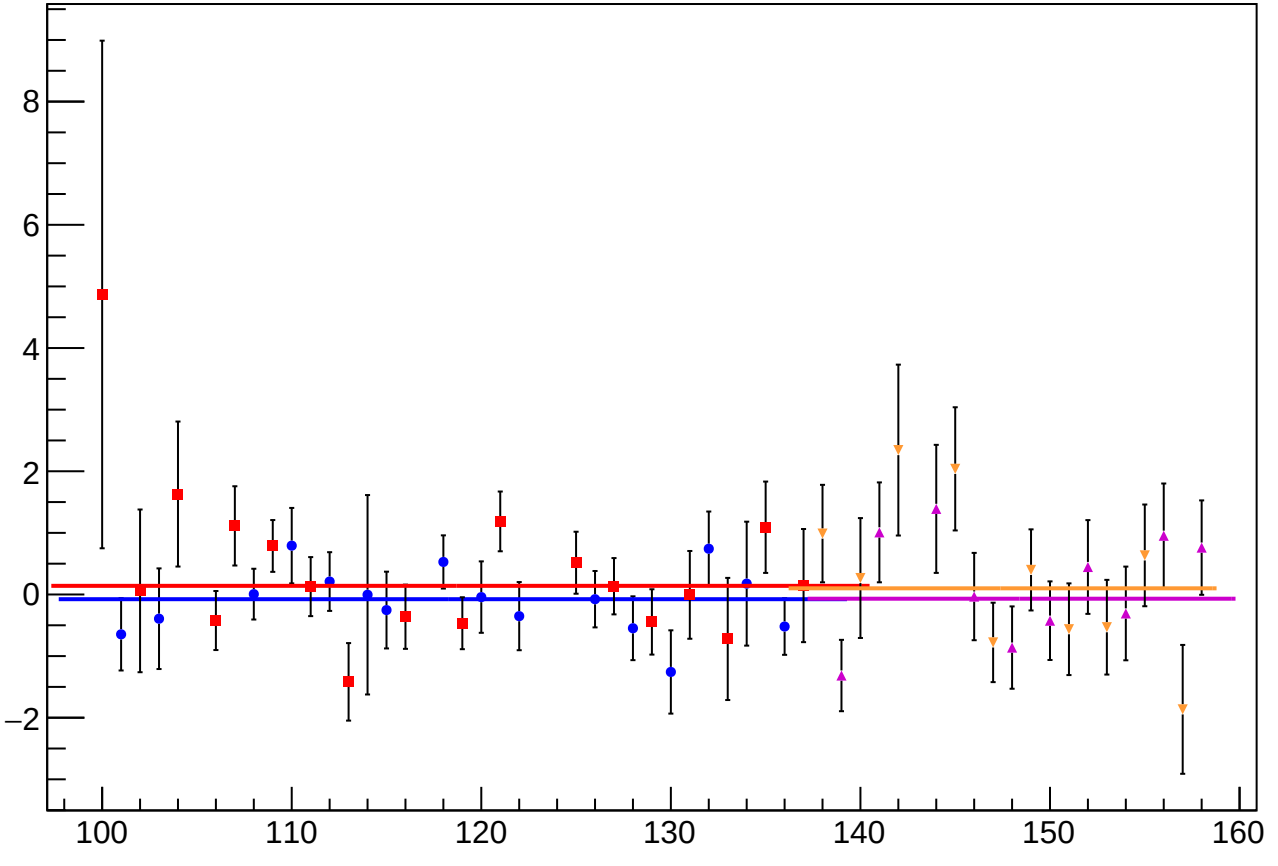
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 439.782+/-0.085 χ^2/NDF:3880363.8/25

Out: 420.574+/-0.086 χ^2/NDF:4830832.4/27

All: 430.351+/-0.060 χ^2/NDF: 8736473.5/53

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: 0.100+/-0.260 χ^2/NDF:15.2/9

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.069+/-0.231 χ^2/NDF:13.3/9

Left: 0.006+/-0.173 χ^2/NDF: 28.7/19

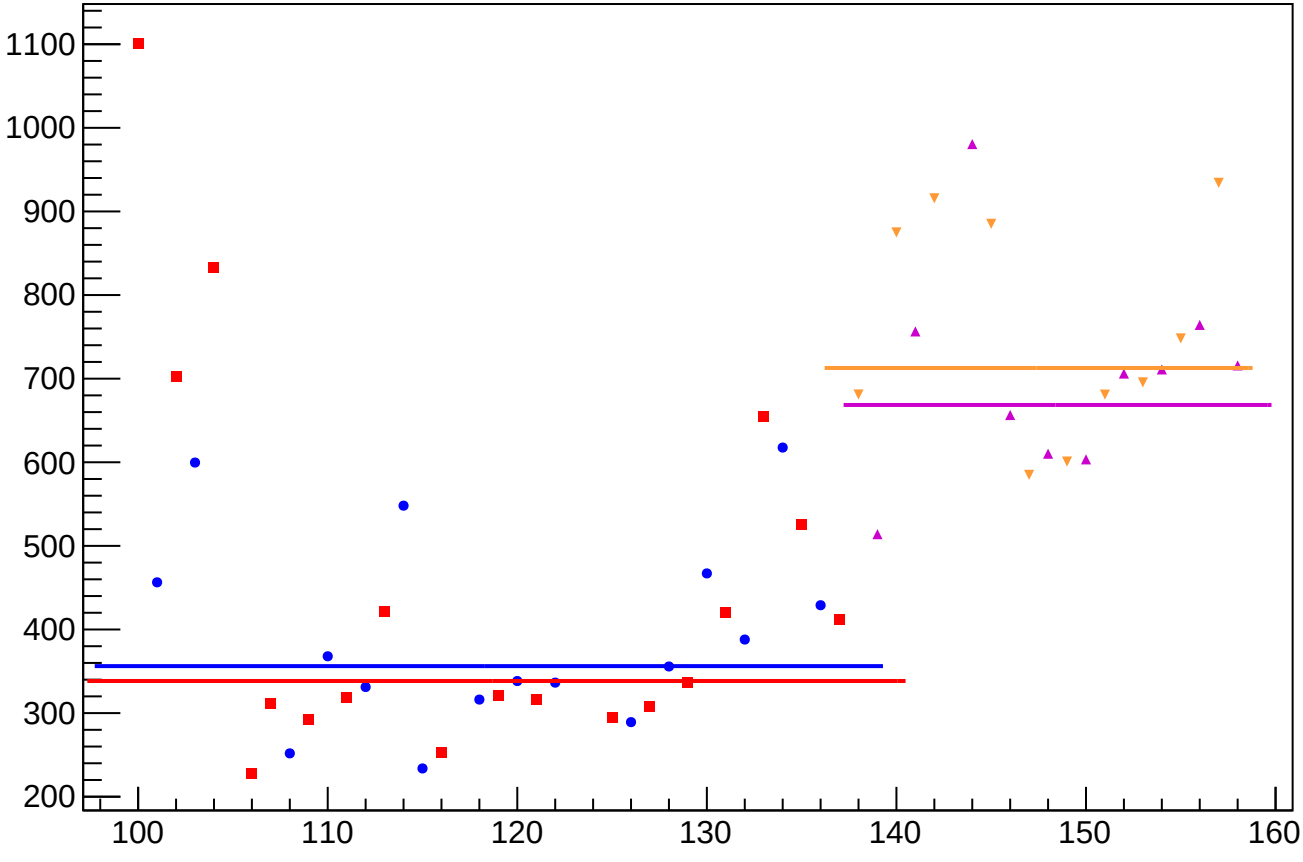
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.074+/-0.120 χ^2/NDF:25.8/25

Out: 0.131+/-0.122 χ^2/NDF:42.1/27

All: 0.027+/-0.085 χ^2/NDF: 69.4/53

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: 712.794+/-0.184 χ^2/NDF:395586.4/9

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 668.539+/-0.164 χ^2/NDF:427132.0/9

Left: 688.086+/-0.122 χ^2/NDF: 855021.6/19

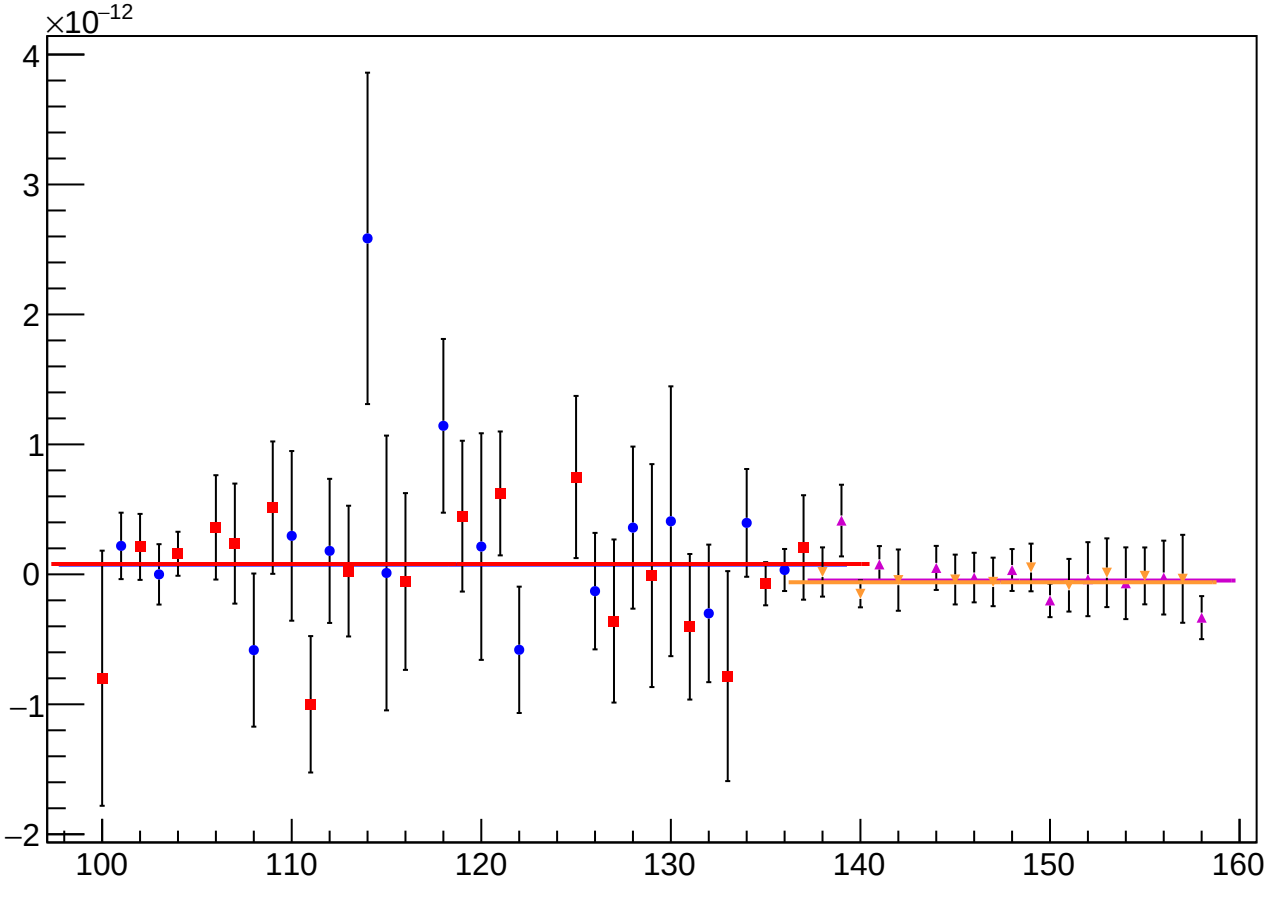
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 439.782+/-0.085 χ^2/NDF:3880363.8/25

Out: 420.574+/-0.086 χ^2/NDF:4830832.4/27

All: 430.351+/-0.060 χ^2/NDF: 8736473.5/53

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/9

Left: -0.000+/-0.000 χ^2/NDF: 10.0/19

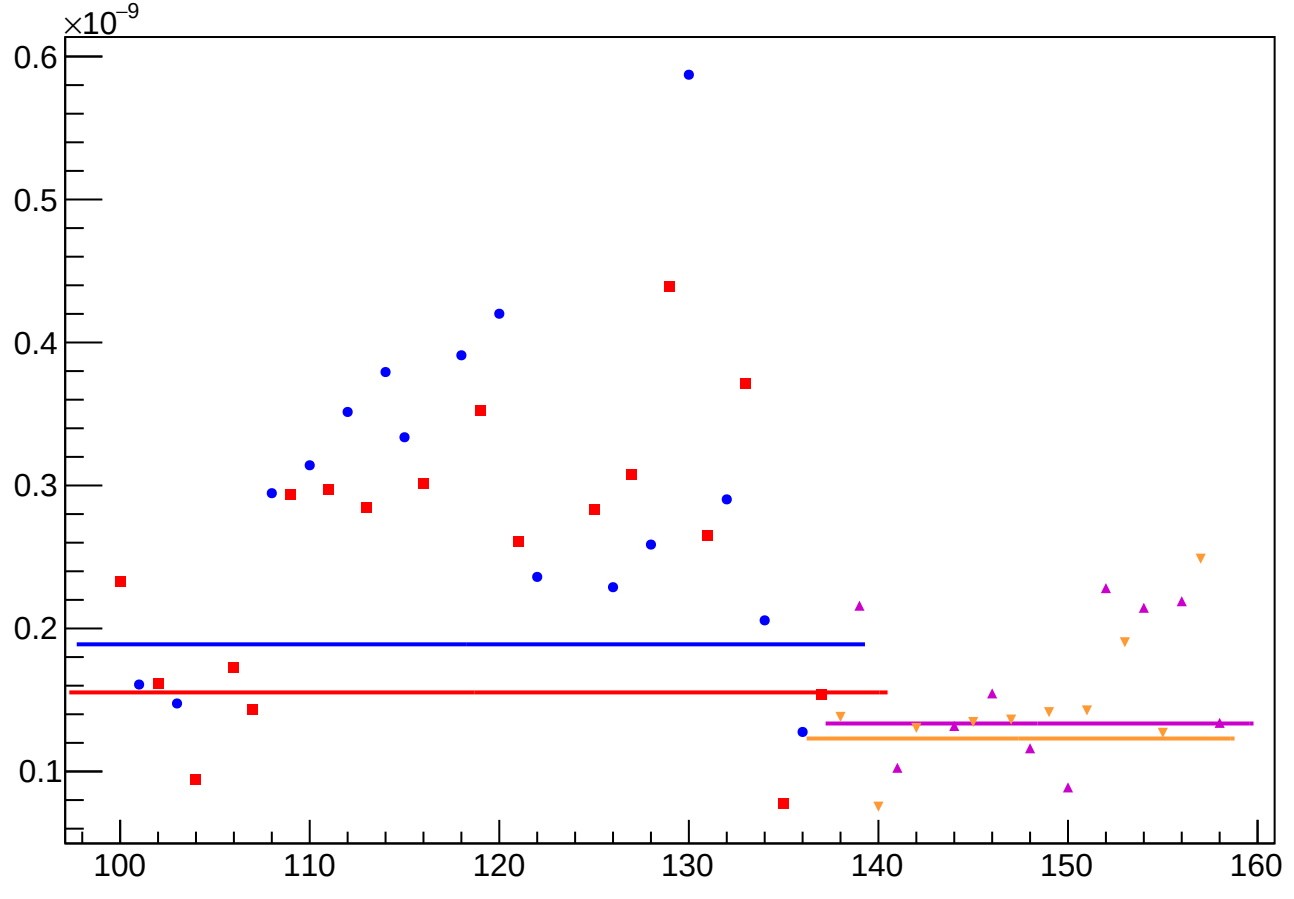
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:21.5/25

Out: -0.000+/-0.000 χ^2/NDF:16.4/27

All: -0.000+/-0.000 χ^2/NDF: 37.9/53

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:898412.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1136631.0/9

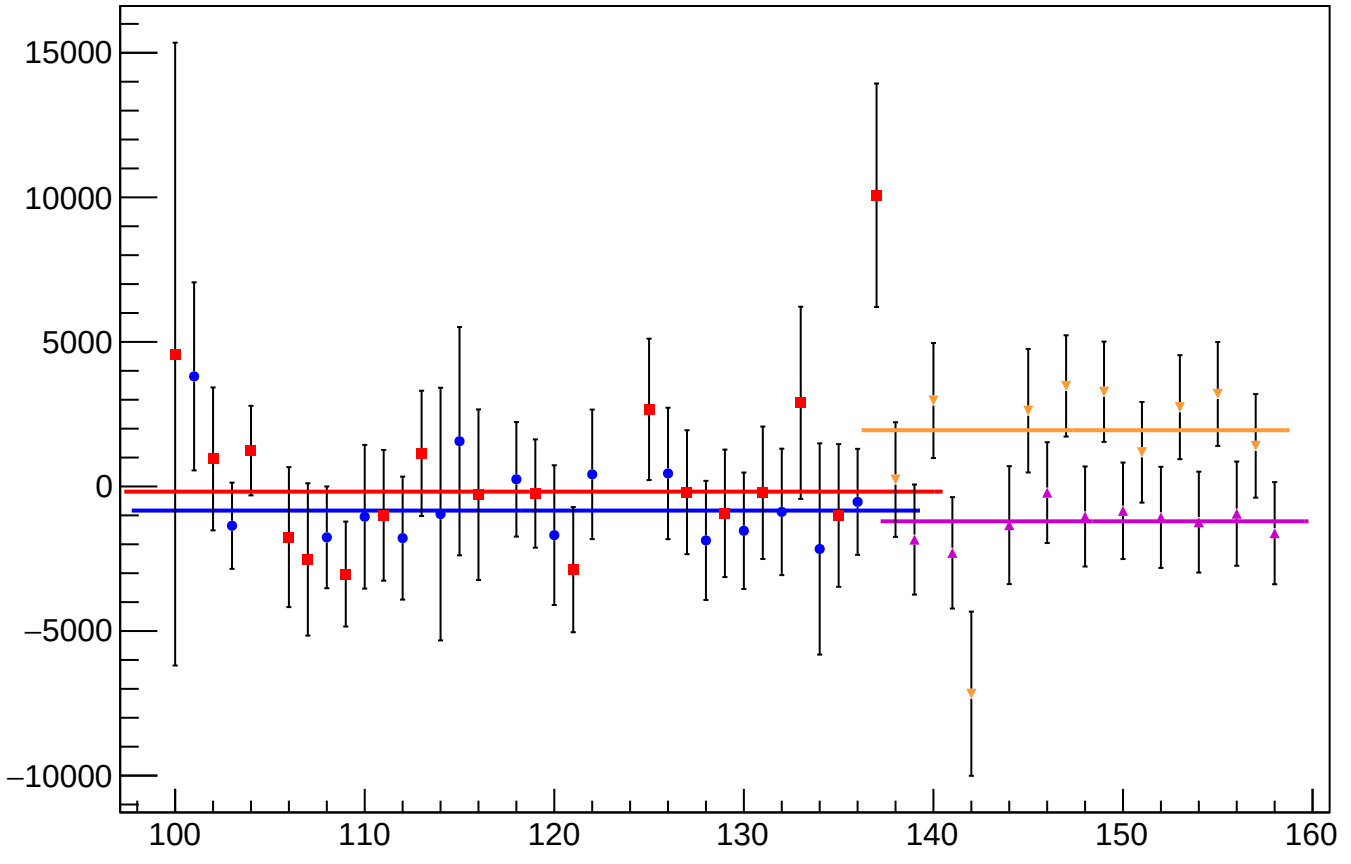
Left: 0.000+/-0.000 χ^2/NDF: 2067619.7/19

Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3142466.3/25

Out: 0.000+/-0.000 χ^2/NDF:3292892.2/27

All: 0.000+/-0.000 χ^2/NDF: 6527916.9/53



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1945.223+/-601.000 χ^2/NDF:13.7/9

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -1205.459+/-568.795 χ^2/NDF:0.9/9

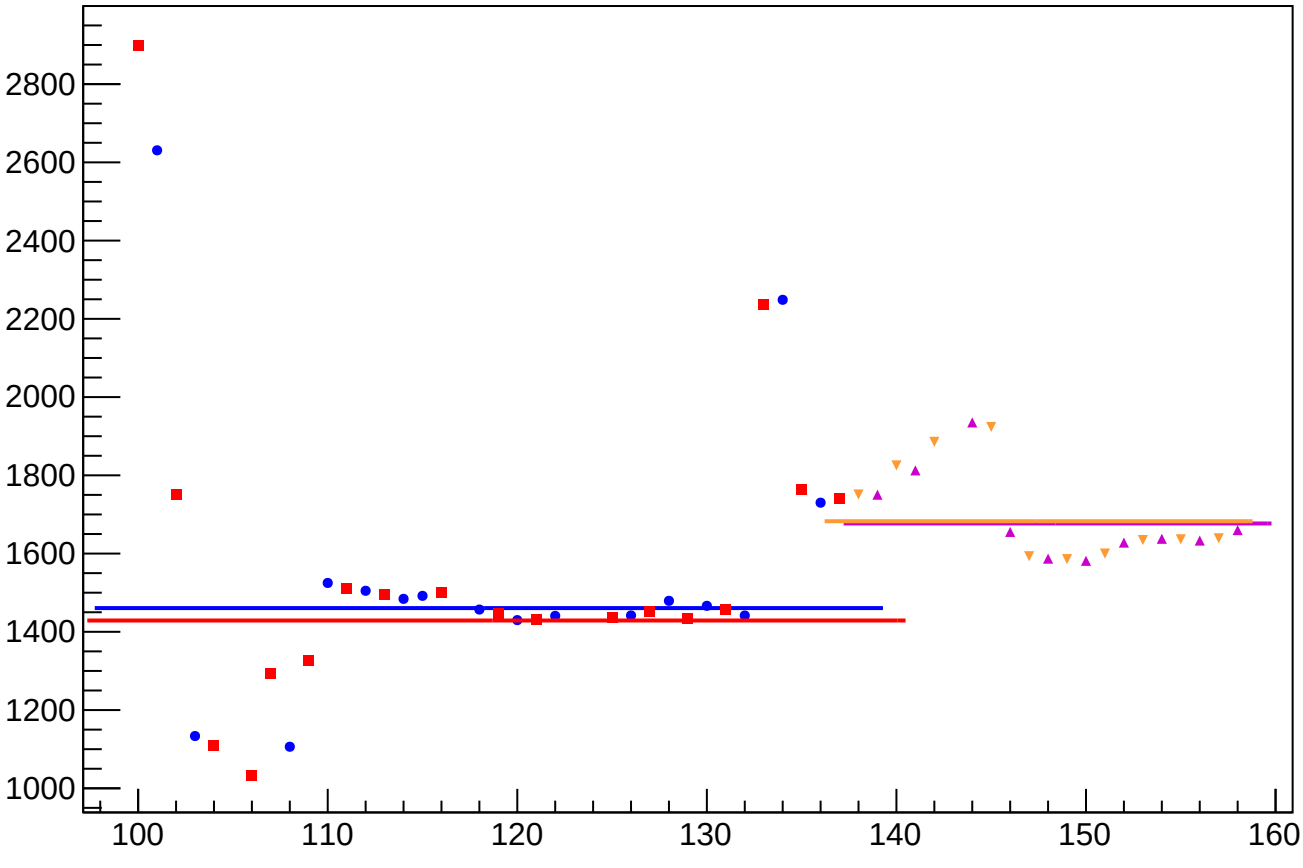
Left: 283.208+/-413.115 χ^2/NDF: 29.1/19

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -1014.848+/-397.170 χ^2/NDF:5.7/25

Out: 785.383+/-404.867 χ^2/NDF:37.0/27

All: -132.006+/-283.524 χ^2/NDF: 52.8/53



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1682.674+/-0.425 χ^2/NDF:68261.8/9

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

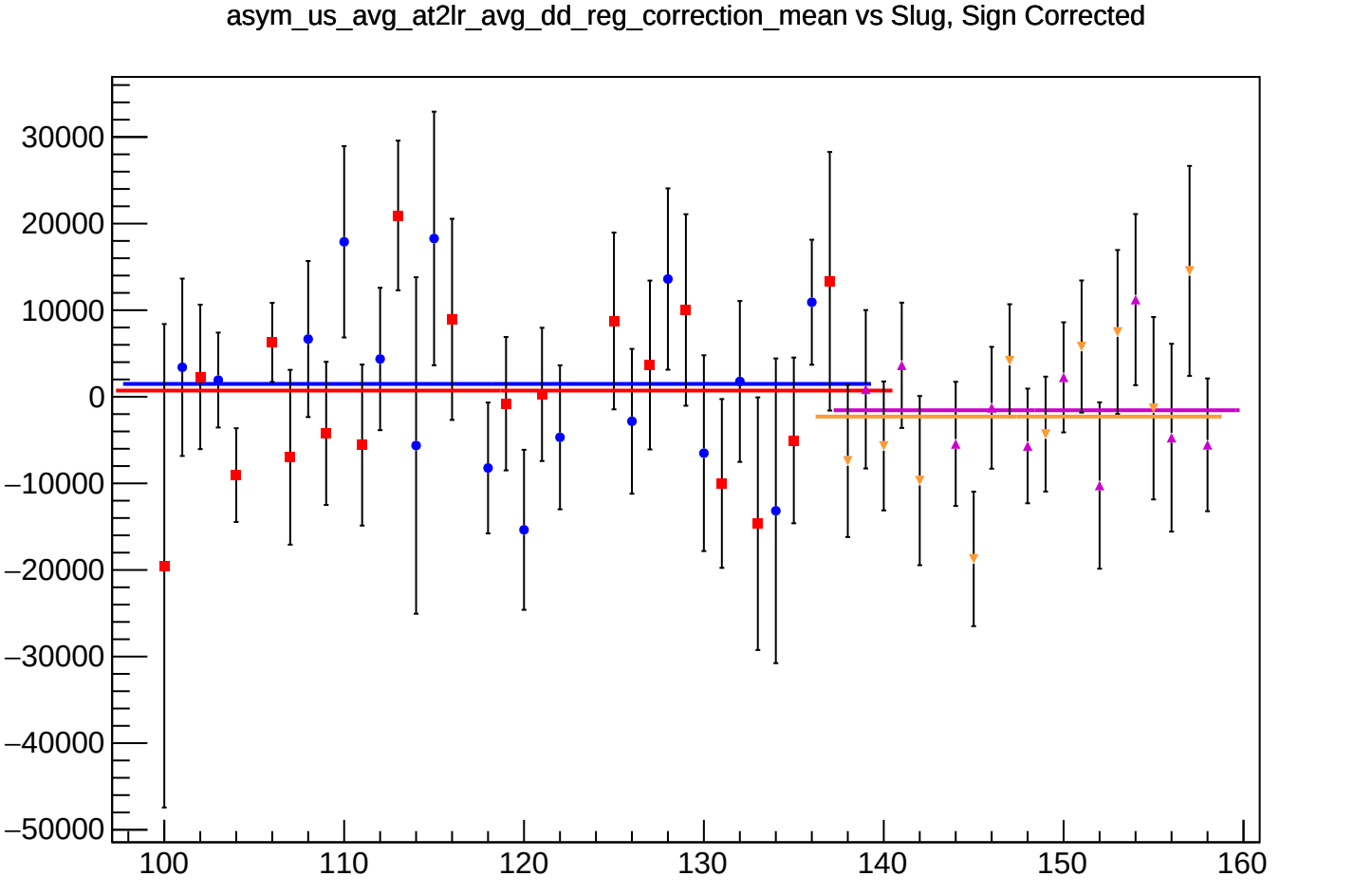
Left: 1679.639+/-0.292 χ^2/NDF: 129494.6/19

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1566.100+/-0.281 χ^2/NDF:785032.6/25

Out: 1543.156+/-0.285 χ^2/NDF:675552.6/27

All: 1554.802+/-0.200 χ^2/NDF: 1463871.9/53



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -2284.241+/-2595.406 χ^2/NDF:10.8/9

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -1553.202+/-2462.731 χ^2/NDF:4.5/9

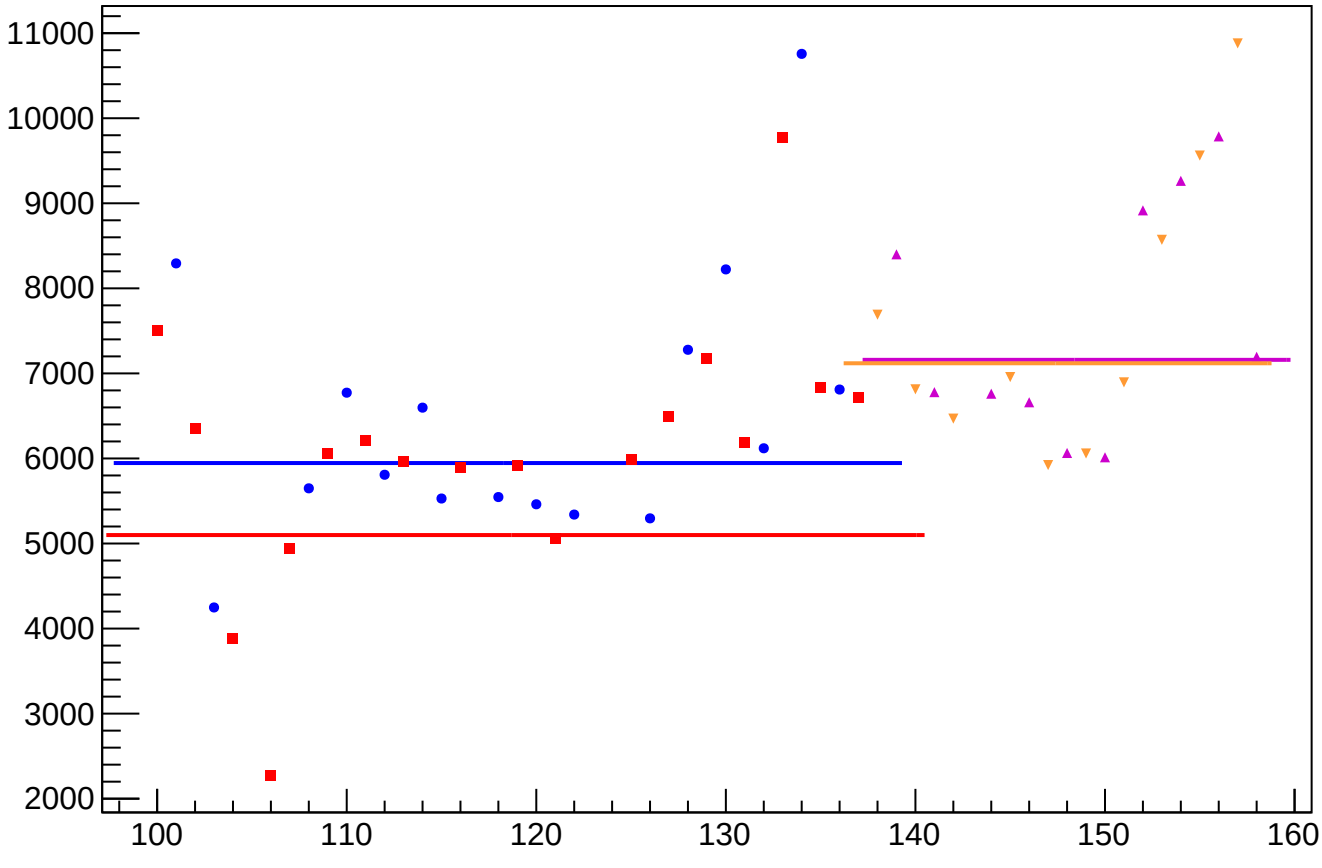
Left: -1899.560+/-1786.477 χ^2/NDF: 15.3/19

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 92.049+/-1668.331 χ^2/NDF:19.5/25

Out: -407.303+/-1589.931 χ^2/NDF:29.1/27

All: -169.635+/-1150.969 χ^2/NDF: 48.7/53



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7119.011+/-1.835 χ^2/NDF:488764.7/9

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7159.394+/-1.741 χ^2/NDF:453325.8/9

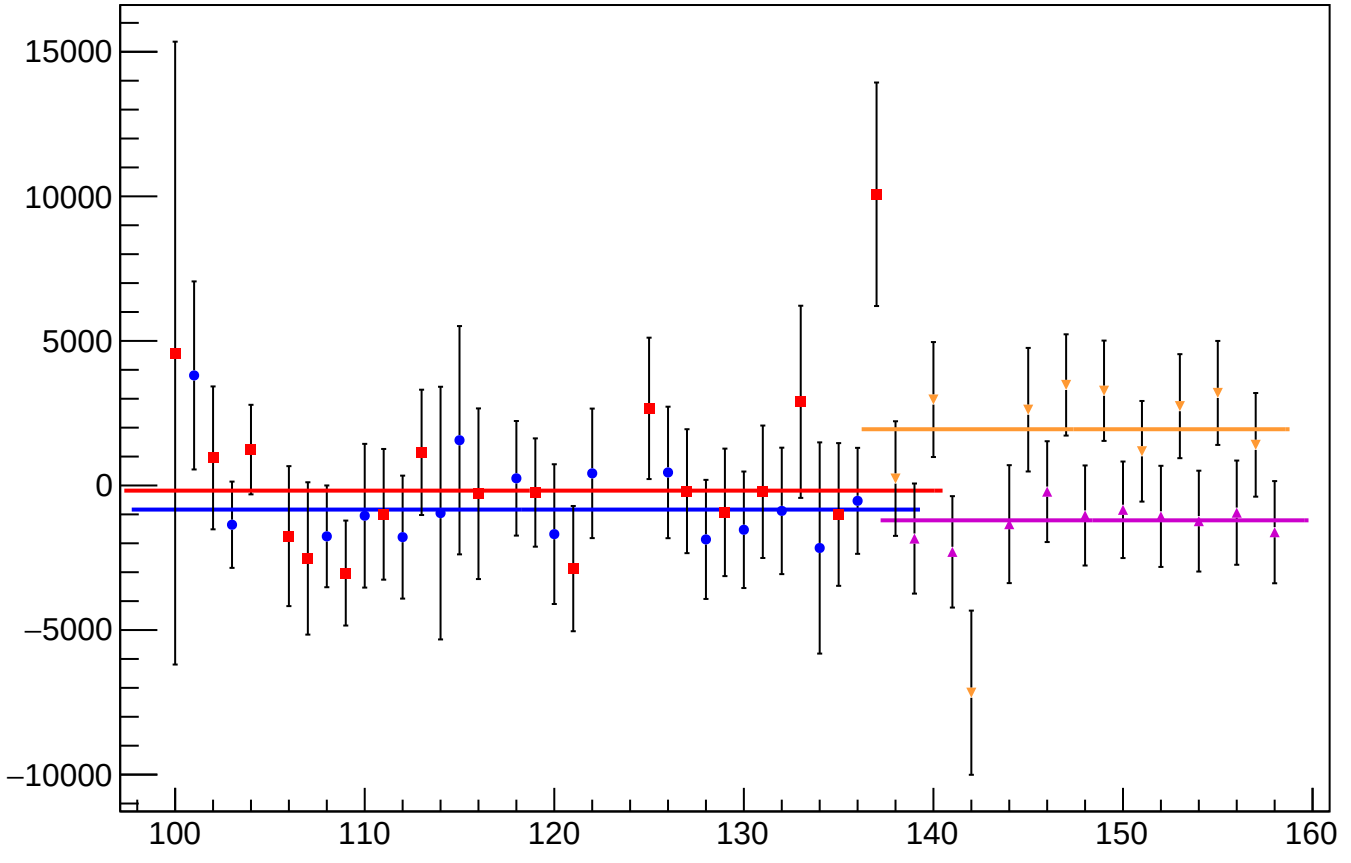
Left: 7140.261+/-1.263 χ^2/NDF: 942345.3/19

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6502.885+/-1.180 χ^2/NDF:1357126.9/25

Out: 5857.287+/-1.124 χ^2/NDF:2725715.4/27

All: 6164.561+/-0.814 χ^2/NDF: 4239792.3/53



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1945.215+/-601.000 χ^2/NDF:13.7/9

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1205.522+/-568.795 χ^2/NDF:0.9/9

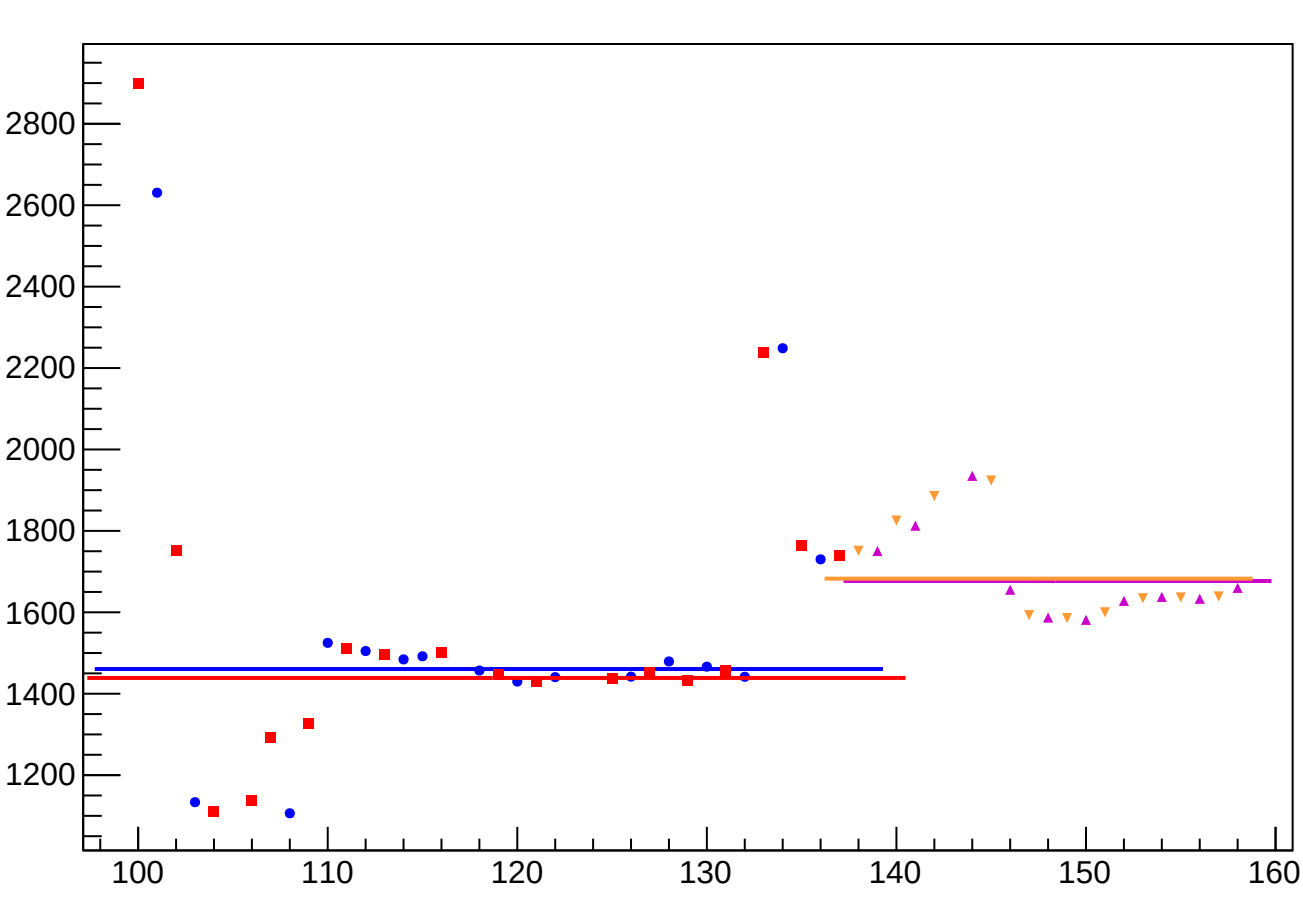
Left: 283.171+/-413.115 χ^2/NDF: 29.1/19

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1014.911+/-397.170 χ^2/NDF:5.7/25

Out: 785.466+/-404.867 χ^2/NDF:37.0/27

All: -131.997+/-283.524 χ^2/NDF: 52.8/53



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1682.674+/-0.425 χ^2/NDF:68261.7/9

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

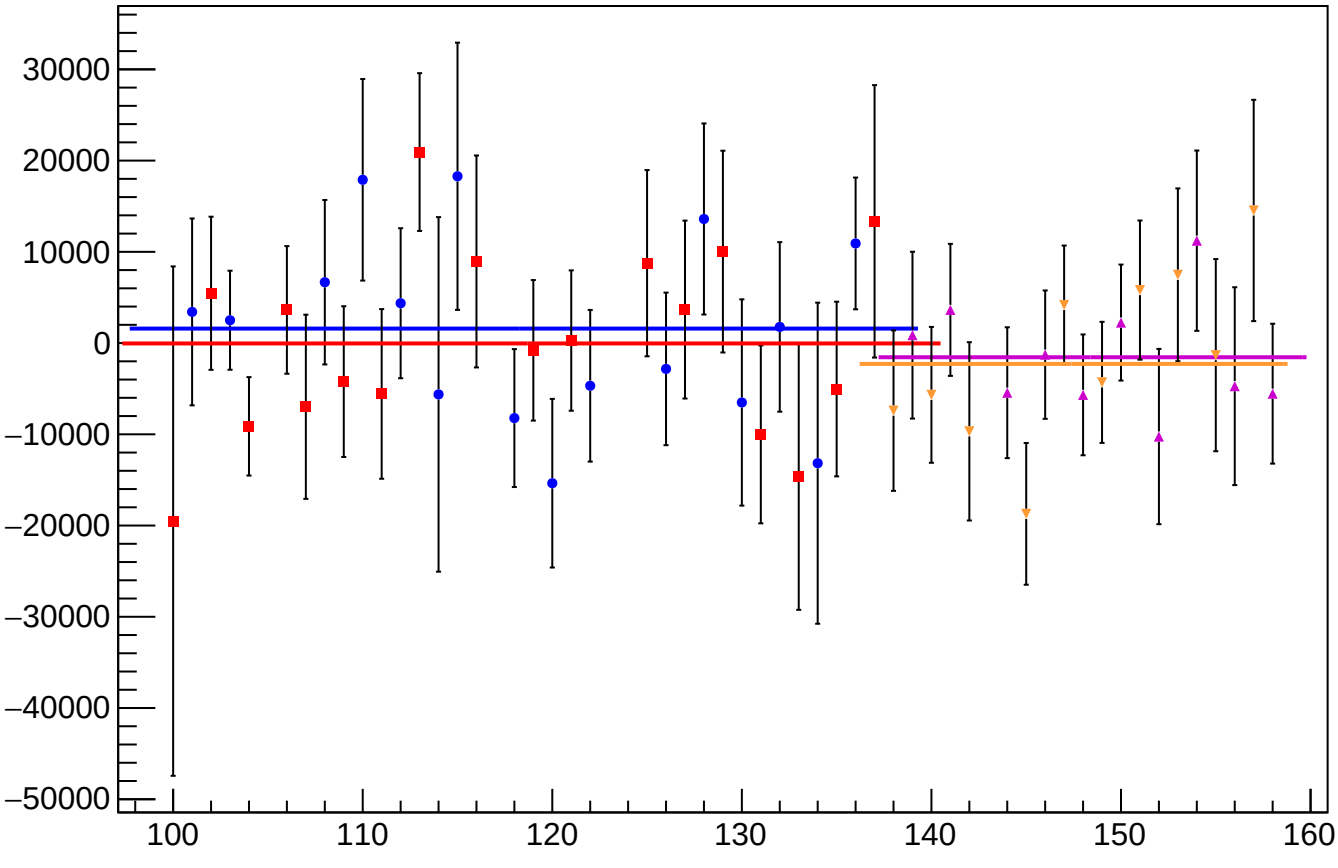
Left: 1679.639+/-0.292 χ^2/NDF: 129494.6/19

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1566.100+/-0.281 χ^2/NDF:785033.0/25

Out: 1549.176+/-0.286 χ^2/NDF:621932.9/27

All: 1557.790+/-0.200 χ^2/NDF: 1408749.0/53



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -2284.285+/-2595.404 χ^2/NDF:10.8/9

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1553.282+/-2462.729 χ^2/NDF:4.5/9

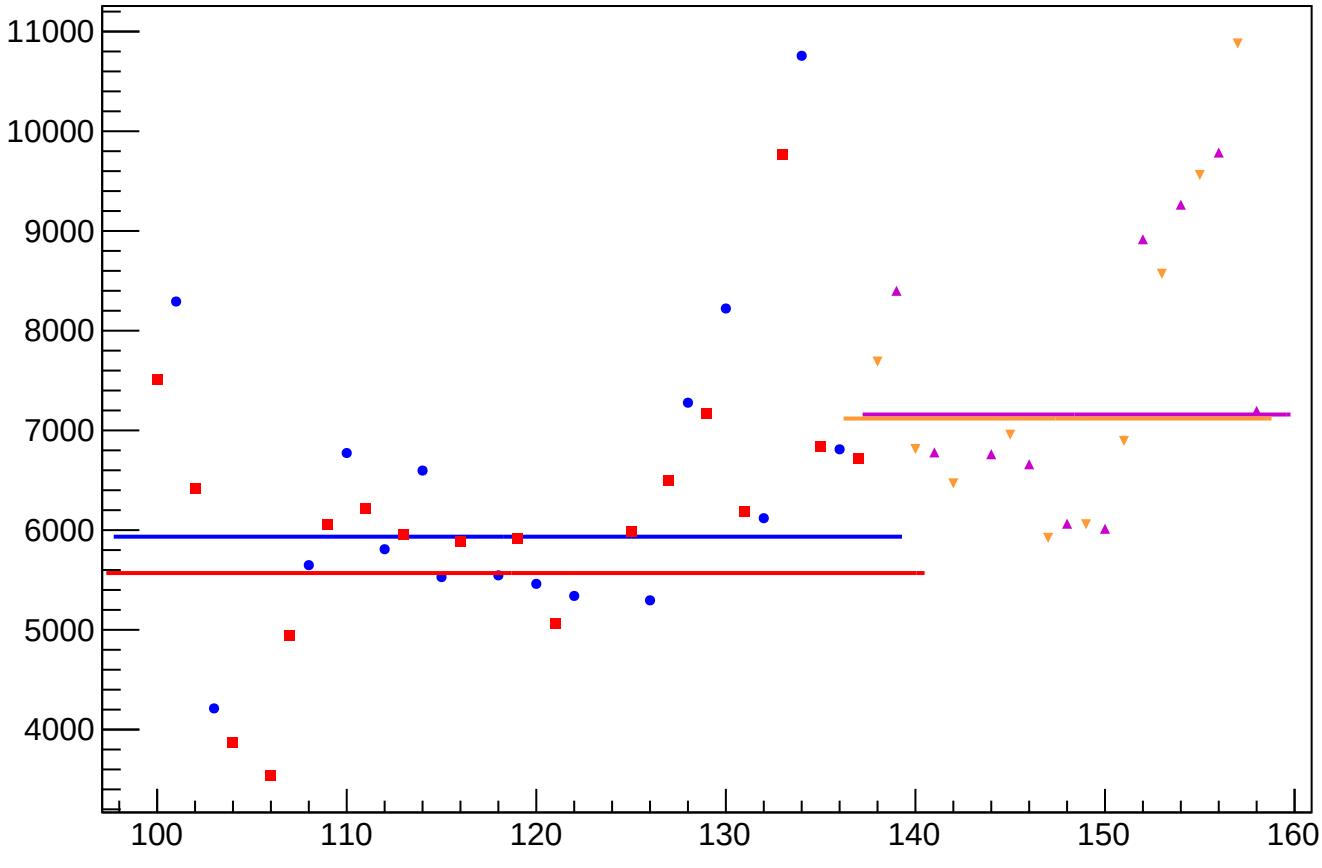
Left: -1899.622+/-1786.476 χ^2/NDF: 15.3/19

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 149.373+/-1666.829 χ^2/NDF:19.6/25

Out: -945.150+/-1647.913 χ^2/NDF:27.7/27

All: -404.134+/-1171.881 χ^2/NDF: 47.5/53



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7119.006+/-1.835 χ^2/NDF:488763.7/9

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7159.389+/-1.741 χ^2/NDF:453327.8/9

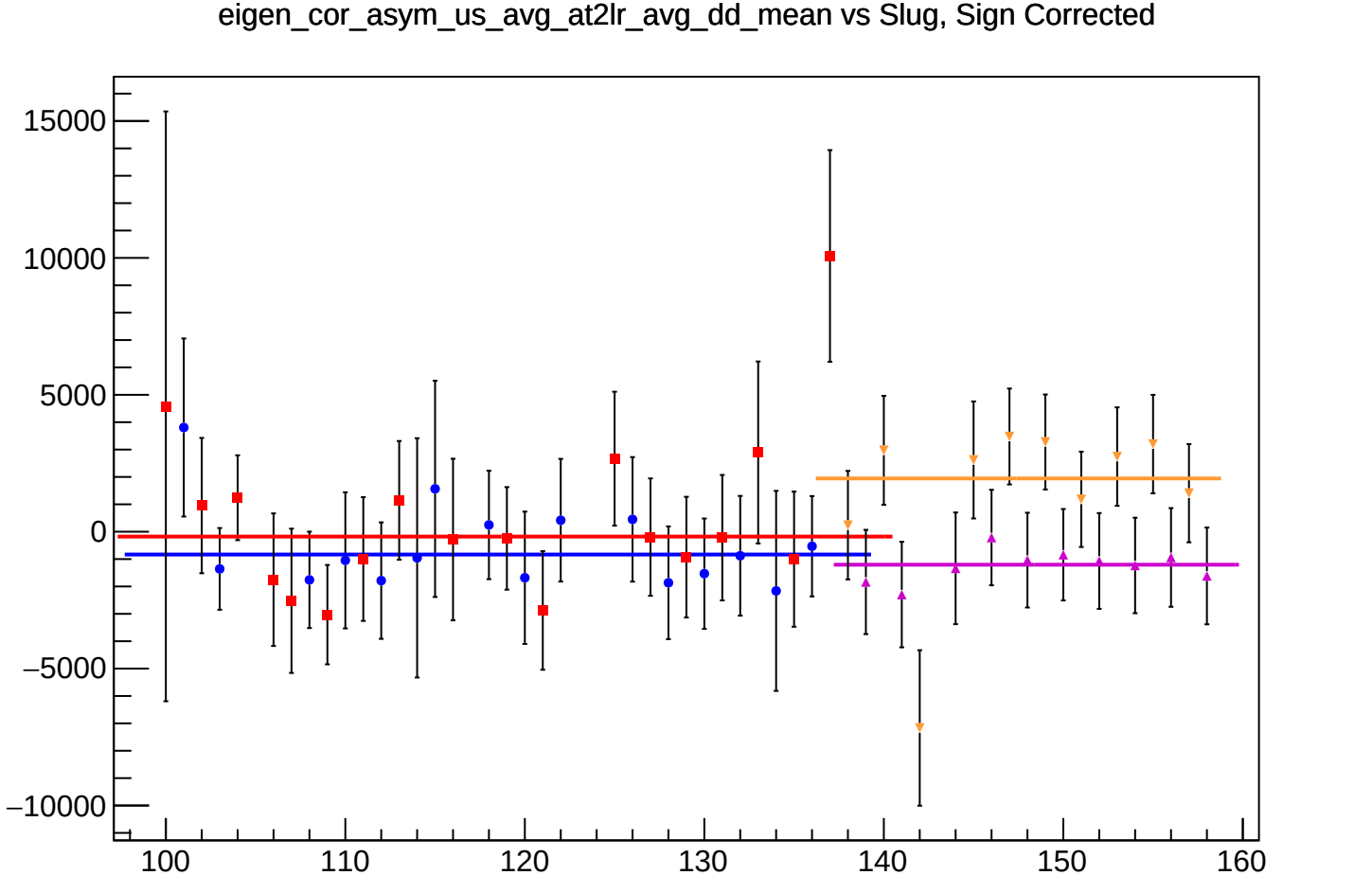
Left: 7140.256+/-1.263 χ^2/NDF: 942346.3/19

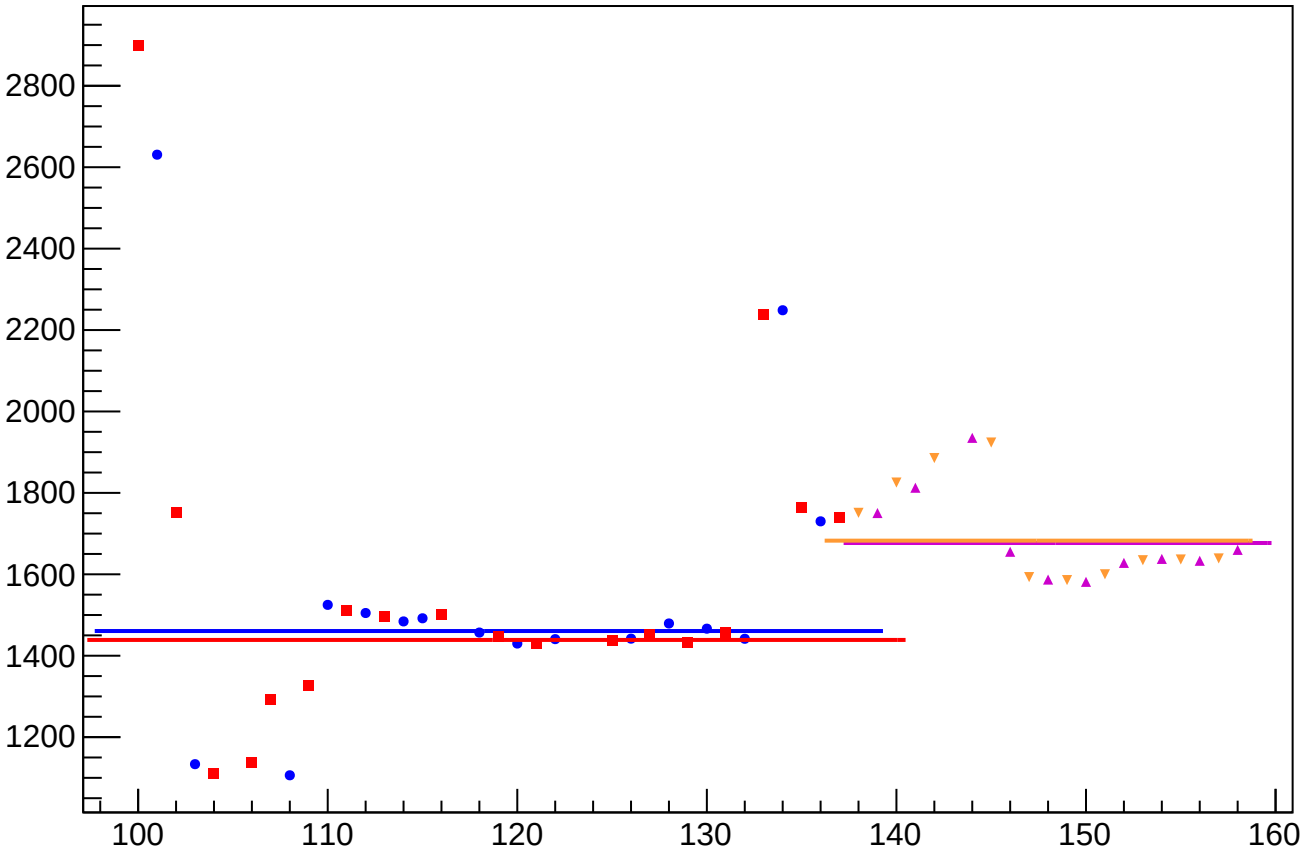
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6495.449+/-1.179 χ^2/NDF:1374651.9/25

Out: 6194.234+/-1.165 χ^2/NDF:1638232.3/27

All: 6343.123+/-0.829 χ^2/NDF: 3045913.3/53


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1945.215+/-601.000 χ²/NDF:13.7/9
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1205.522+/-568.795 χ²/NDF:0.9/9
Left: 283.171+/-413.115 χ²/NDF: 29.1/19
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1014.911+/-397.170 χ²/NDF:5.7/25
Out: 785.466+/-404.867 χ²/NDF:37.0/27
All: -131.997+/-283.524 χ²/NDF: 52.8/53



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1682.674+/-0.425 χ^2/NDF:68261.7/9

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

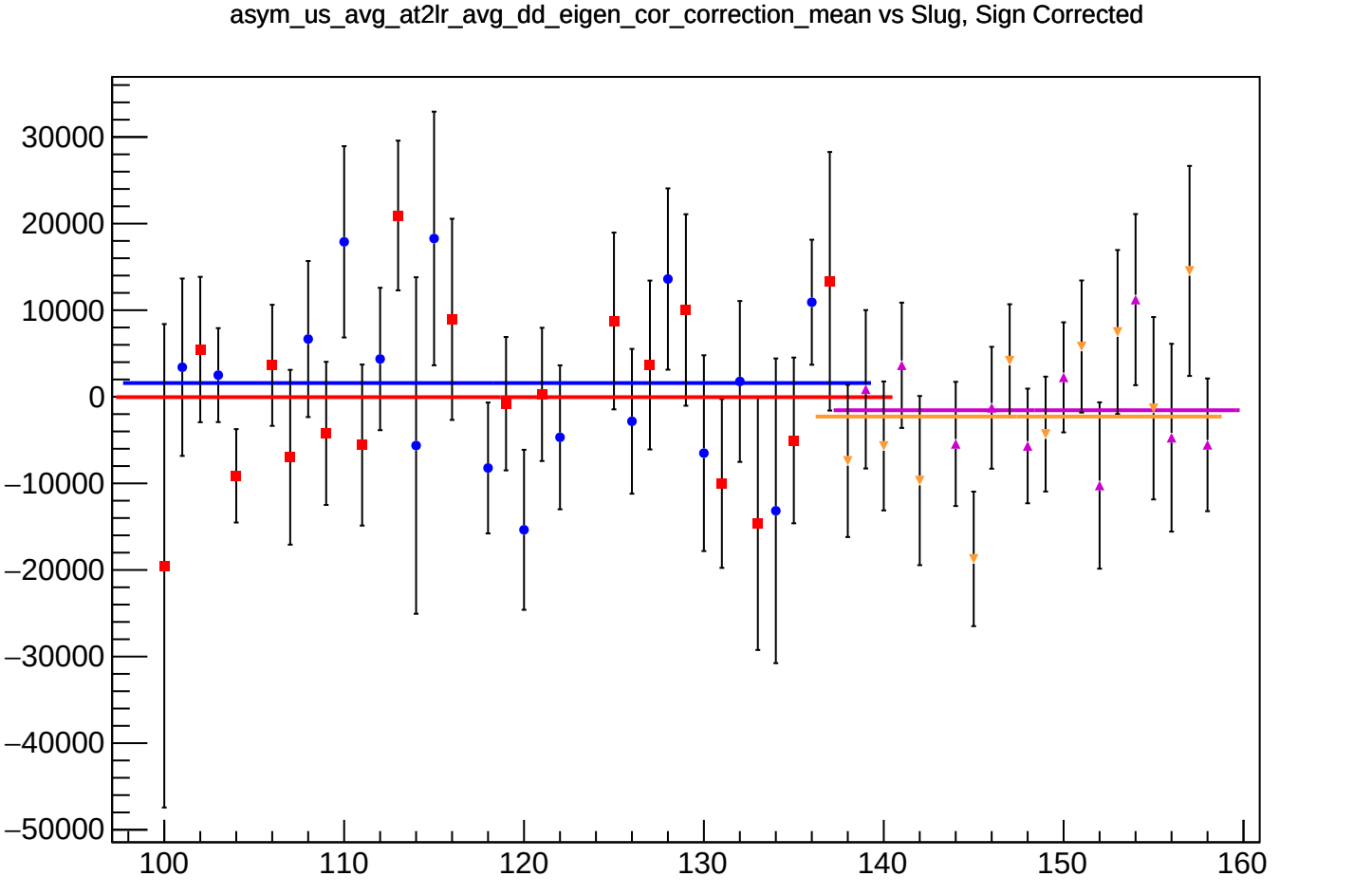
Left: 1679.639+/-0.292 χ^2/NDF: 129494.6/19

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1566.100+/-0.281 χ^2/NDF:785033.0/25

Out: 1549.176+/-0.286 χ^2/NDF:621932.9/27

All: 1557.790+/-0.200 χ^2/NDF: 1408749.0/53



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -2284.285+/-2595.404 χ^2/NDF:10.8/9

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1553.282+/-2462.729 χ^2/NDF:4.5/9

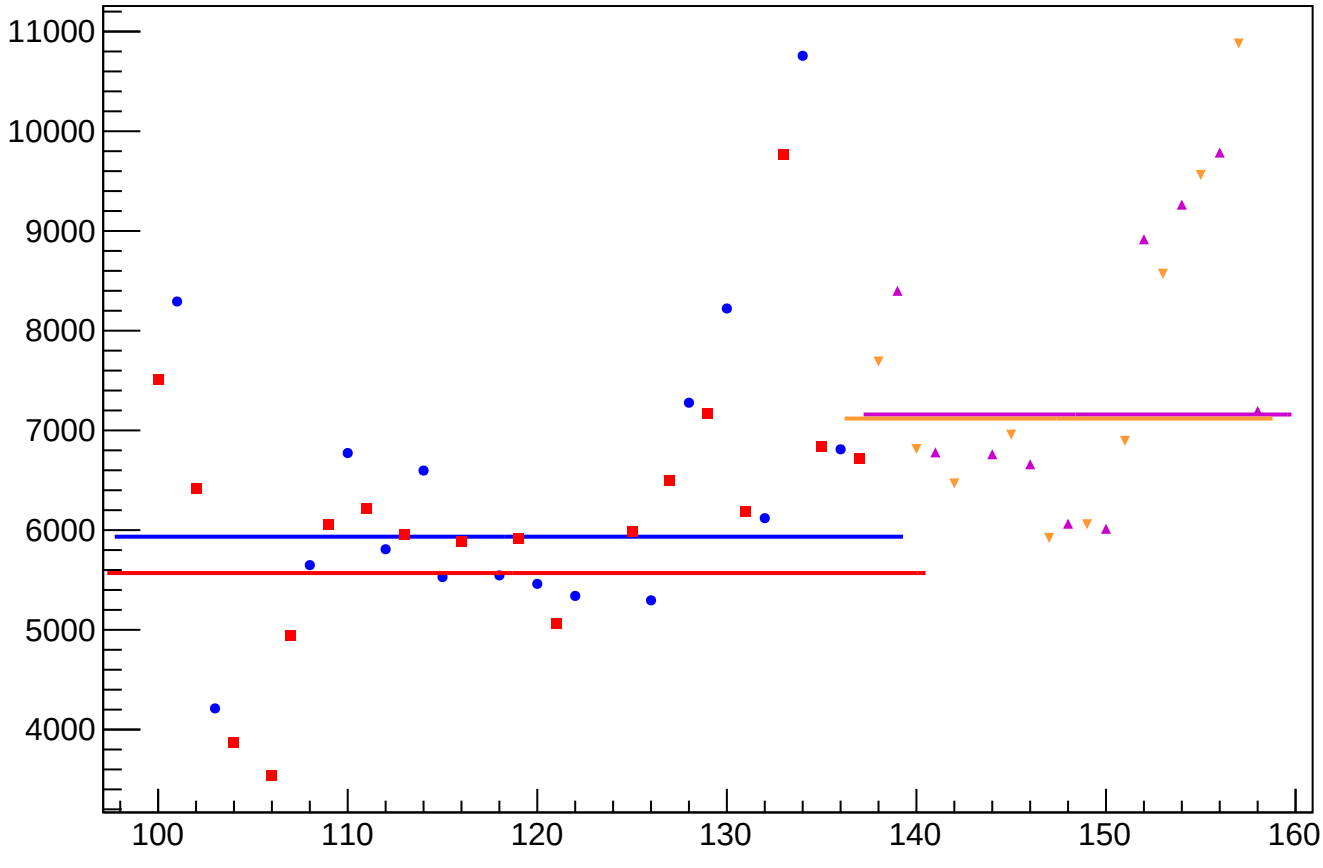
Left: -1899.622+/-1786.476 χ^2/NDF: 15.3/19

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 149.373+/-1666.829 χ^2/NDF:19.6/25

Out: -945.150+/-1647.913 χ^2/NDF:27.7/27

All: -404.134+/-1171.881 χ^2/NDF: 47.5/53



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7119.006+/-1.835 χ^2/NDF:488763.7/9

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7159.389+/-1.741 χ^2/NDF:453327.8/9

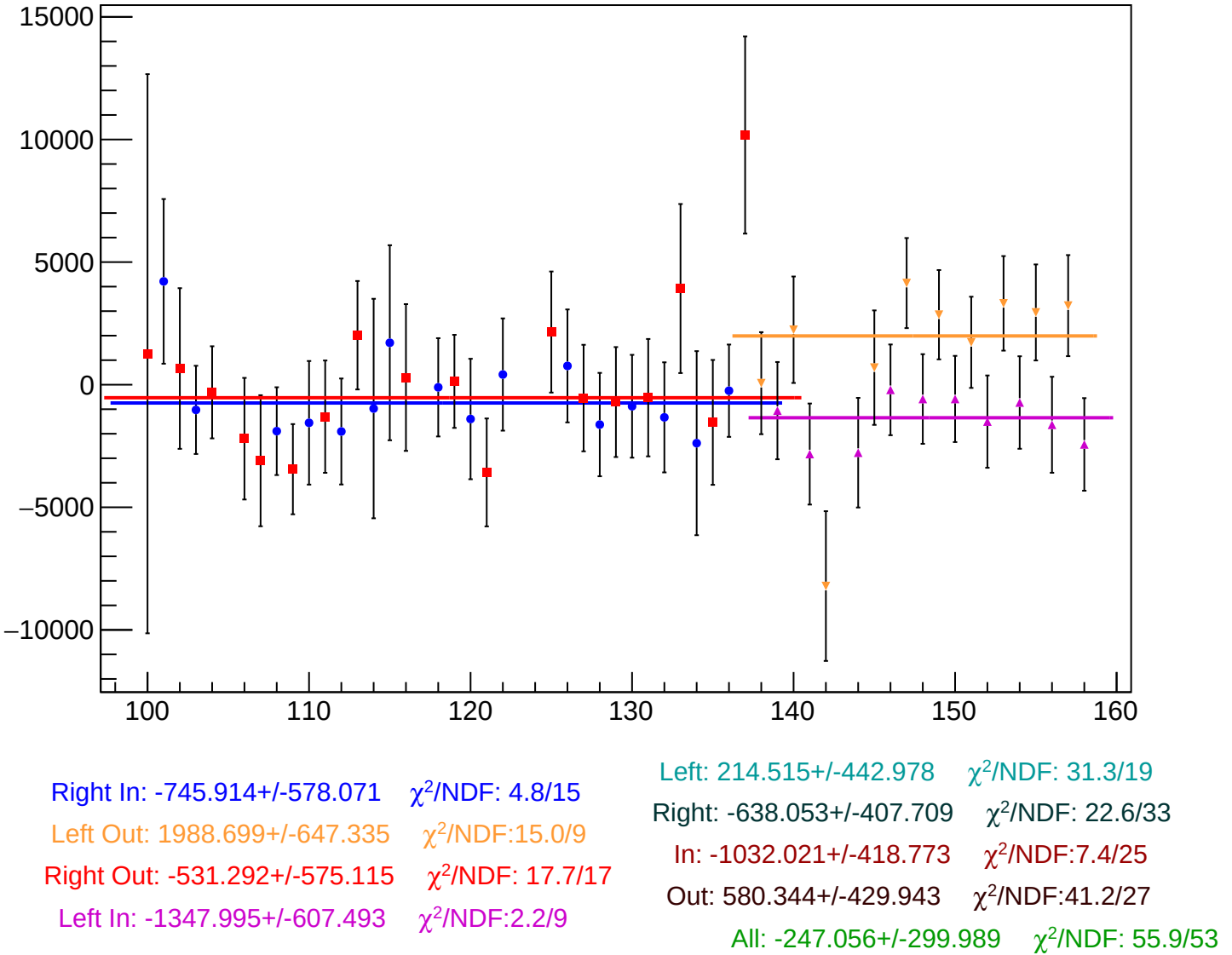
Left: 7140.256+/-1.263 χ^2/NDF: 942346.3/19

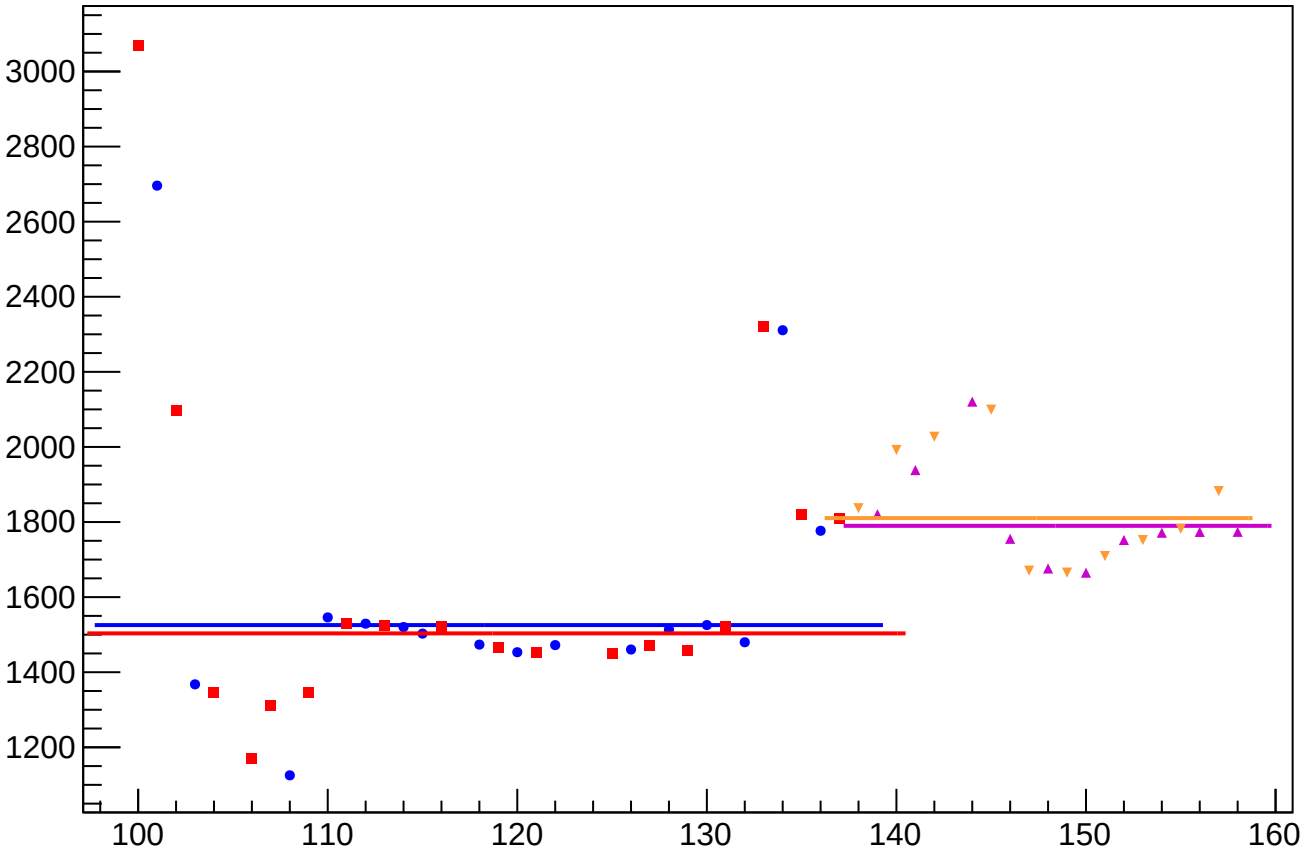
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6495.449+/-1.179 χ^2/NDF:1374651.9/25

Out: 6194.234+/-1.165 χ^2/NDF:1638232.3/27

All: 6343.123+/-0.829 χ^2/NDF: 3045913.3/53


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1988.699+/-647.335 χ²/NDF:15.0/9
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1347.995+/-607.493 χ²/NDF:2.2/9
Left: 214.515+/-442.978 χ²/NDF: 31.3/19
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1032.021+/-418.773 χ²/NDF:7.4/25
Out: 580.344+/-429.943 χ²/NDF:41.2/27
All: -247.056+/-299.989 χ²/NDF: 55.9/53



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1810.500+/-0.458 χ^2/NDF:89944.1/9

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1789.915+/-0.430 χ^2/NDF:74451.6/9

Left: 1799.555+/-0.313 χ^2/NDF: 165471.0/19

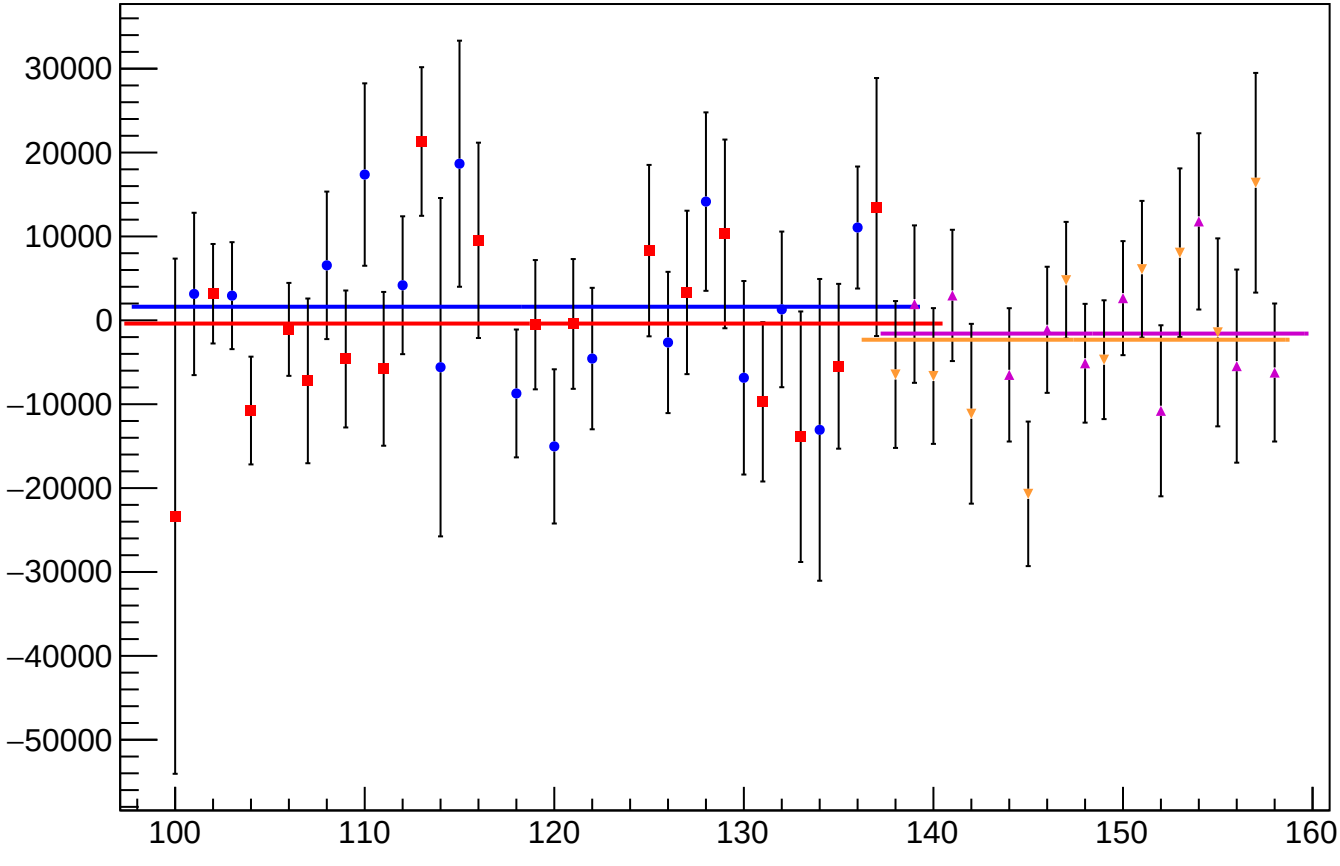
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1651.168+/-0.296 χ^2/NDF:761571.6/25

Out: 1638.845+/-0.304 χ^2/NDF:680021.1/27

All: 1645.168+/-0.212 χ^2/NDF: 1442436.0/53

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -2313.461+/-2775.101 χ^2/NDF:11.1/9

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -1580.853+/-2636.978 χ^2/NDF:4.4/9

Left: -1928.472+/-1911.590 χ^2/NDF: 15.5/19

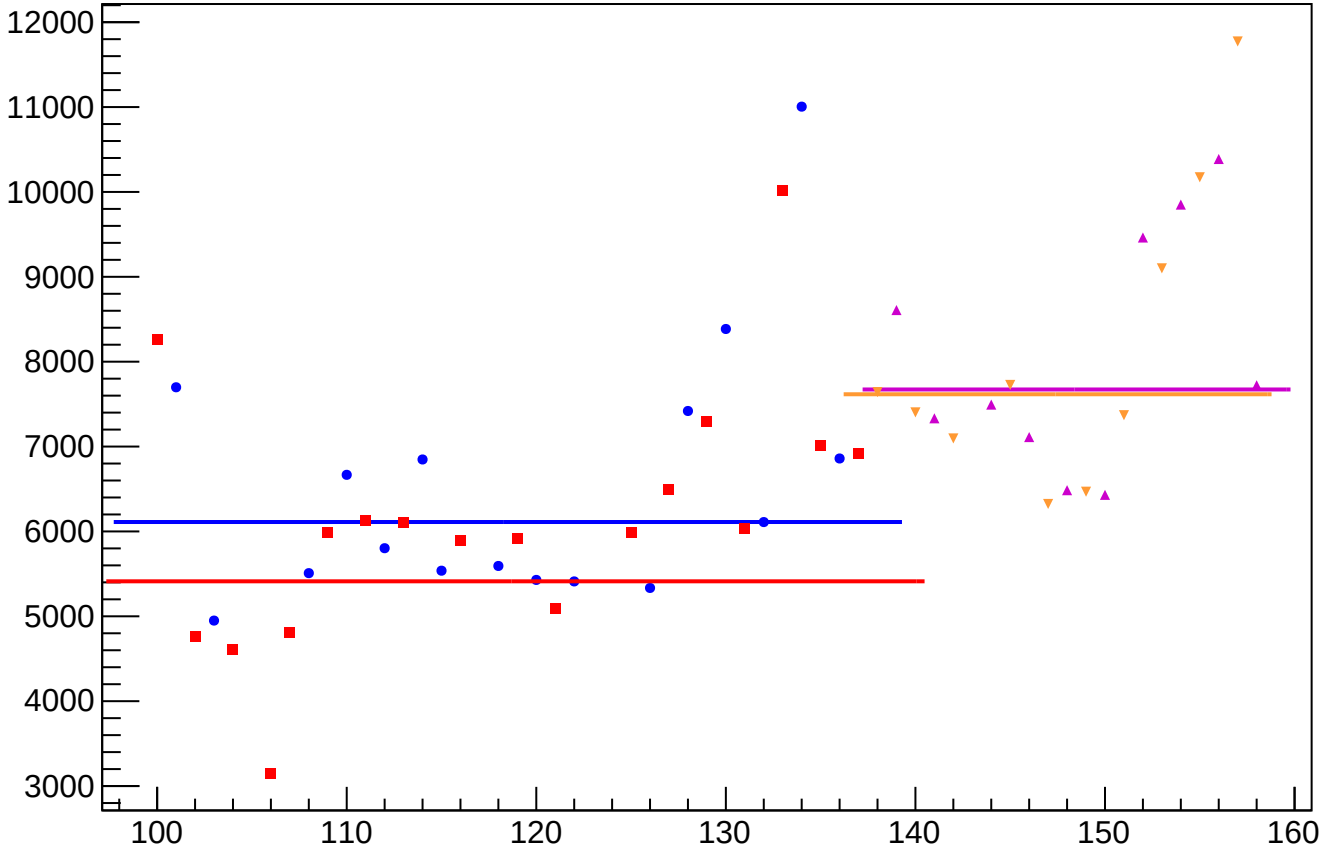
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 223.432+/-1741.846 χ^2/NDF:19.5/25

Out: -1071.099+/-1654.530 χ^2/NDF:27.4/27

All: -457.092+/-1199.610 χ^2/NDF: 47.1/53

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: 7616.114+/-1.962 χ^2/NDF:479057.8/9

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7672.540+/-1.865 χ^2/NDF:417713.4/9

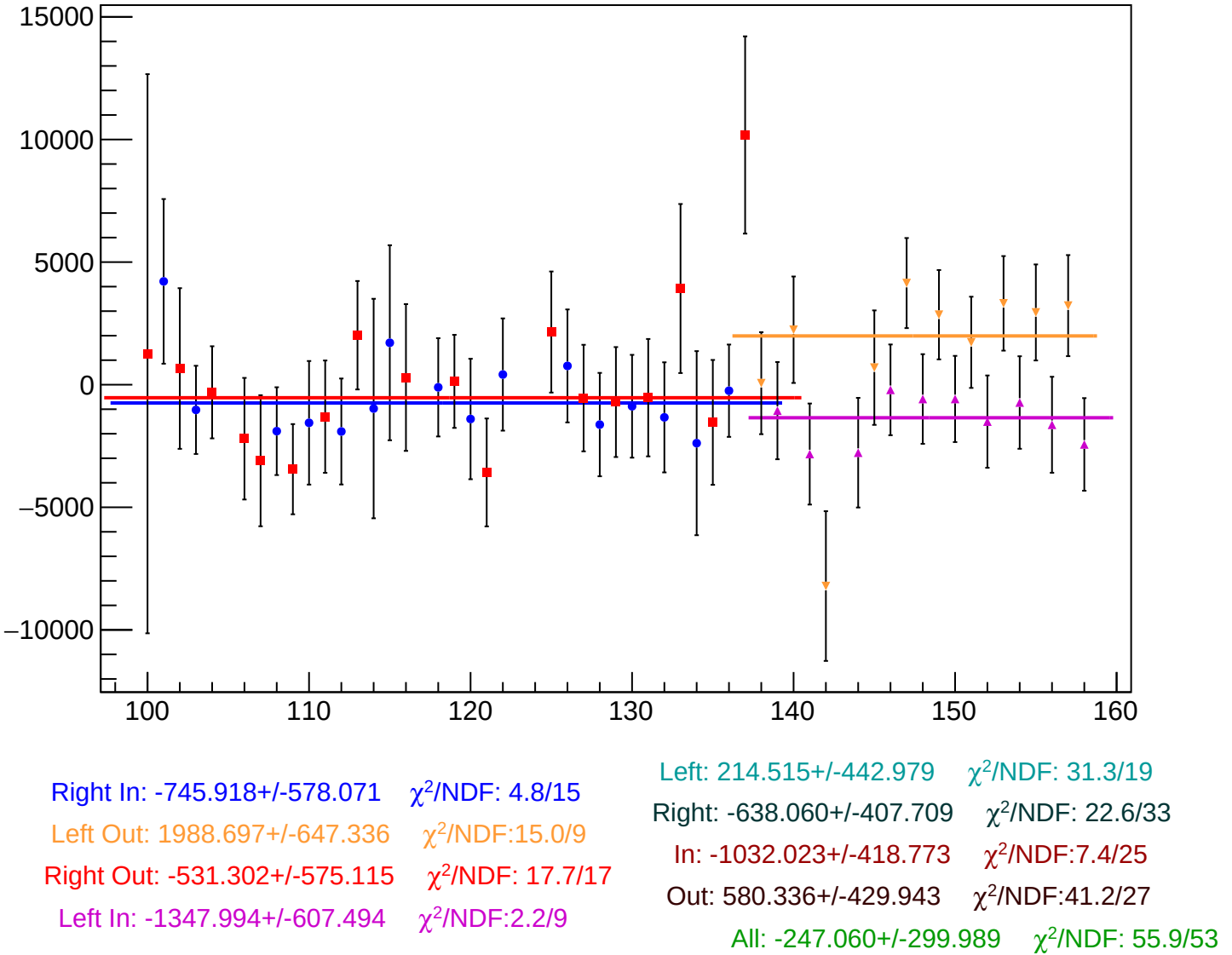
Left: 7645.766+/-1.352 χ^2/NDF: 897205.7/19

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6792.354+/-1.232 χ^2/NDF:1284681.4/25

Out: 6195.654+/-1.170 χ^2/NDF:2113569.9/27

All: 6478.674+/-0.848 χ^2/NDF: 3521633.6/53


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
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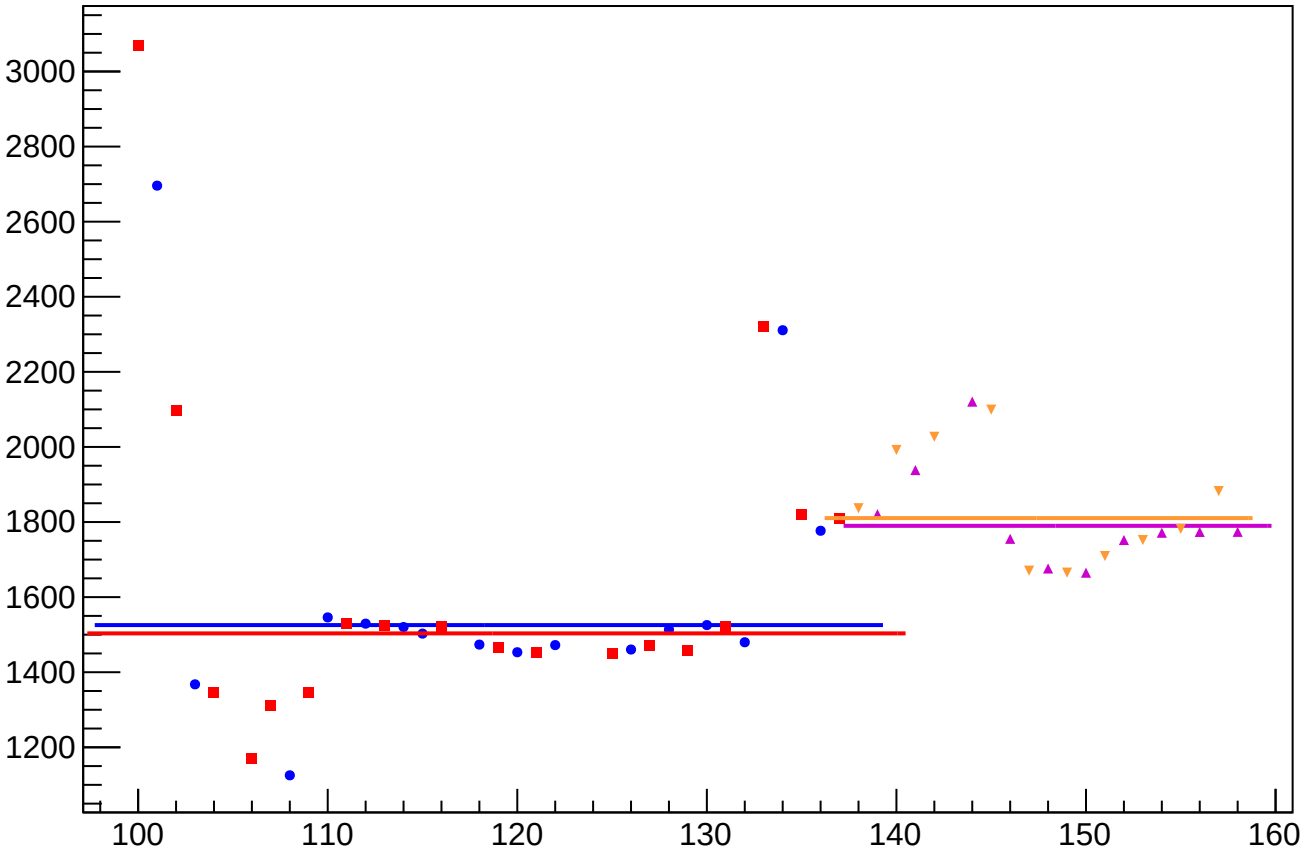
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1988.697+/-647.336 χ²/NDF:15.0/9
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1347.994+/-607.494 χ²/NDF:2.2/9
Left: 214.515+/-442.979 χ²/NDF: 31.3/19
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1032.023+/-418.773 χ²/NDF:7.4/25
Out: 580.336+/-429.943 χ²/NDF:41.2/27
All: -247.060+/-299.989 χ²/NDF: 55.9/53



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1810.502+/-0.458 χ^2/NDF:89945.2/9

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1789.918+/-0.430 χ^2/NDF:74451.8/9

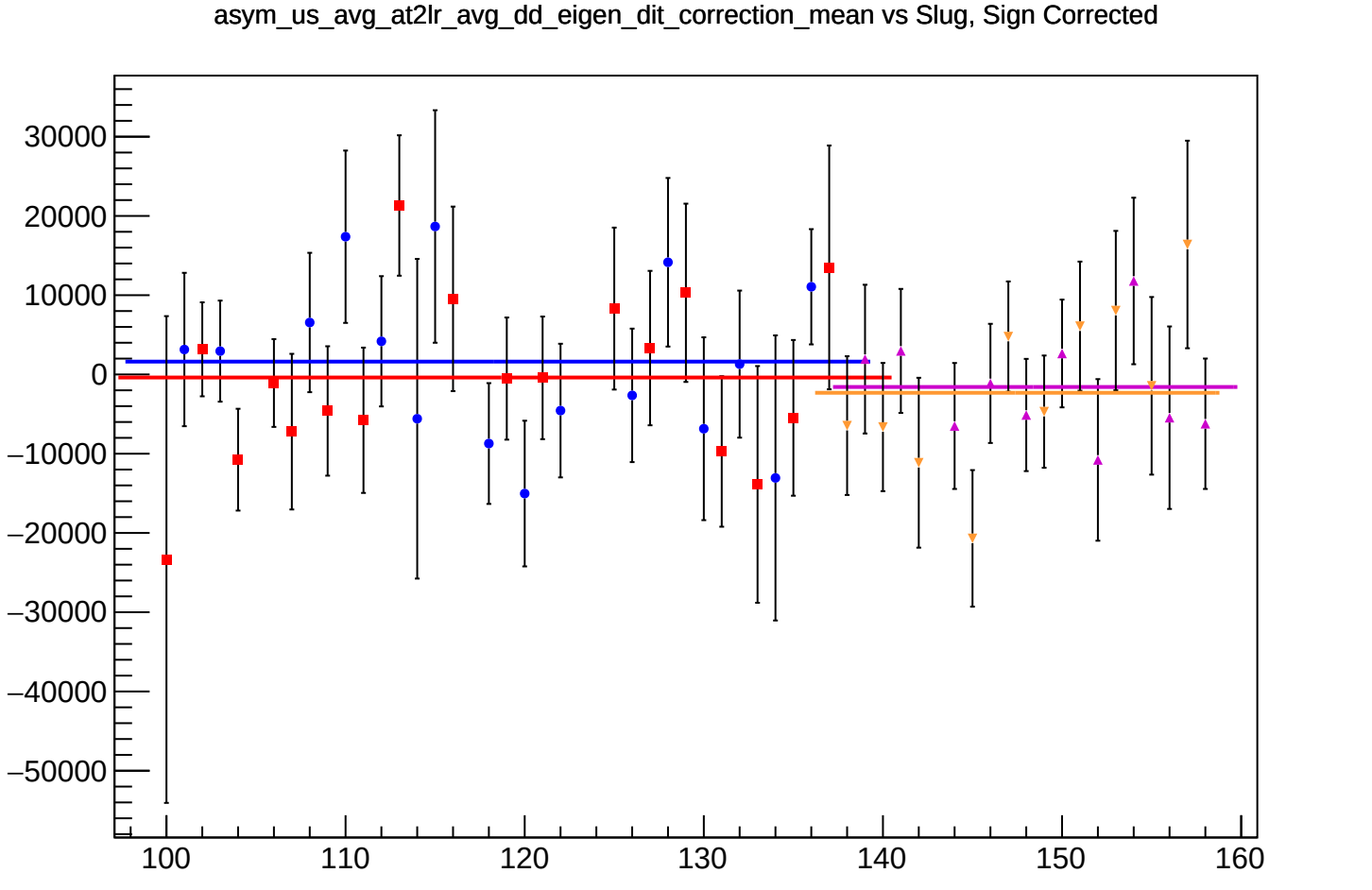
Left: 1799.557+/-0.313 χ^2/NDF: 165472.3/19

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1651.169+/-0.296 χ^2/NDF:761574.7/25

Out: 1638.846+/-0.304 χ^2/NDF:680025.5/27

All: 1645.169+/-0.212 χ^2/NDF: 1442443.5/53



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -2313.462+/-2775.105 χ^2/NDF:11.1/9

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -1580.851+/-2636.982 χ^2/NDF:4.4/9

Left: -1928.472+/-1911.593 χ^2/NDF: 15.5/19

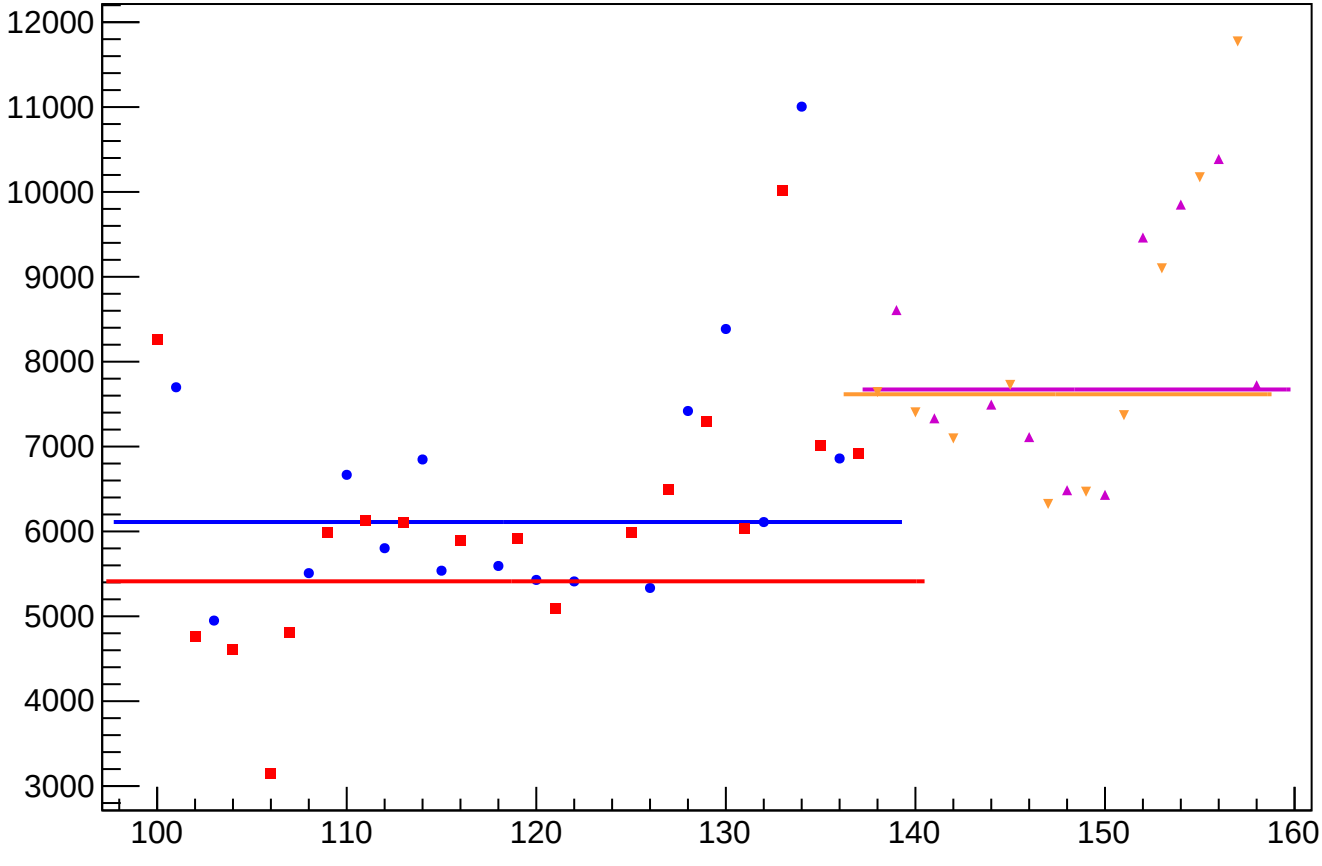
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 223.427+/-1741.845 χ^2/NDF:19.5/25

Out: -1071.101+/-1654.529 χ^2/NDF:27.4/27

All: -457.096+/-1199.609 χ^2/NDF: 47.1/53

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: 7616.123+/-1.962 χ^2/NDF:479058.1/9

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7672.549+/-1.865 χ^2/NDF:417713.7/9

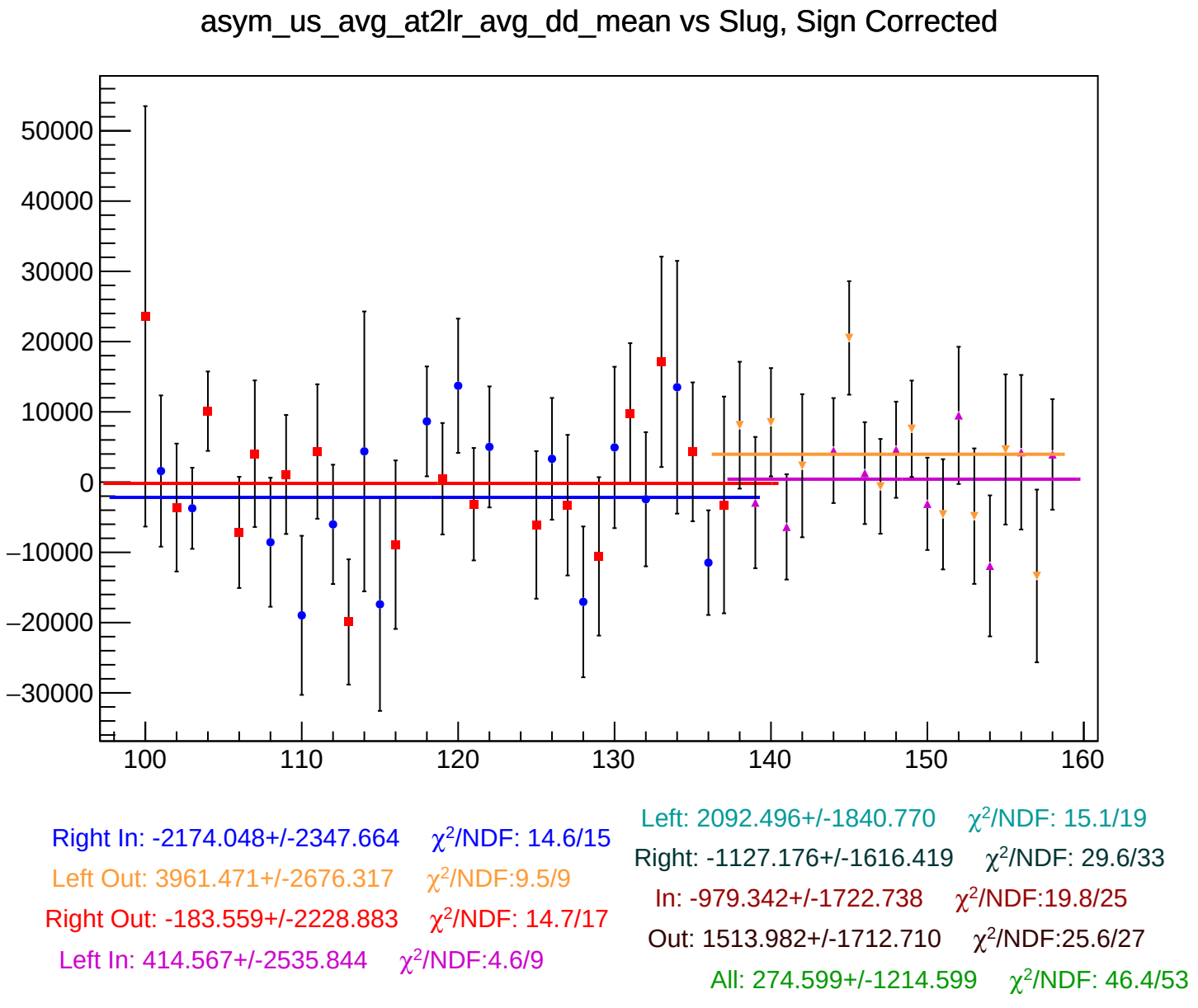
Left: 7645.775+/-1.352 χ^2/NDF: 897206.4/19

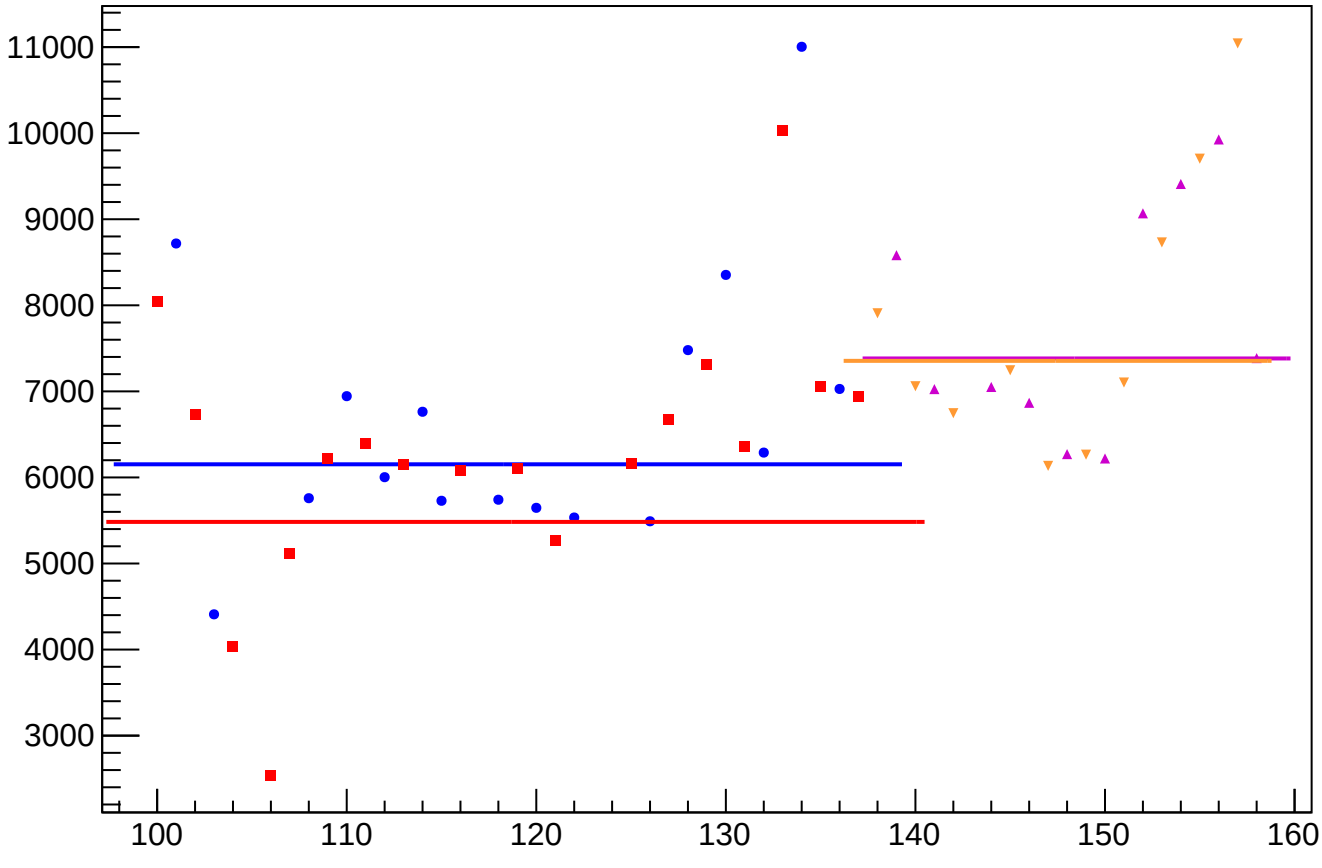
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6792.347+/-1.232 χ^2/NDF:1284695.6/25

Out: 6195.647+/-1.170 χ^2/NDF:2113585.4/27

All: 6478.667+/-0.848 χ^2/NDF: 3521664.1/53


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 3961.471+/-2676.317 χ²/NDF:9.5/9
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: 414.567+/-2535.844 χ²/NDF:4.6/9
Left: 2092.496+/-1840.770 χ²/NDF: 15.1/19
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -979.342+/-1722.738 χ²/NDF:19.8/25
Out: 1513.982+/-1712.710 χ²/NDF:25.6/27
All: 274.599+/-1214.599 χ²/NDF: 46.4/53



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7354.599+/-1.892 χ^2/NDF:453320.4/9

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7382.387+/-1.793 χ^2/NDF:415076.7/9

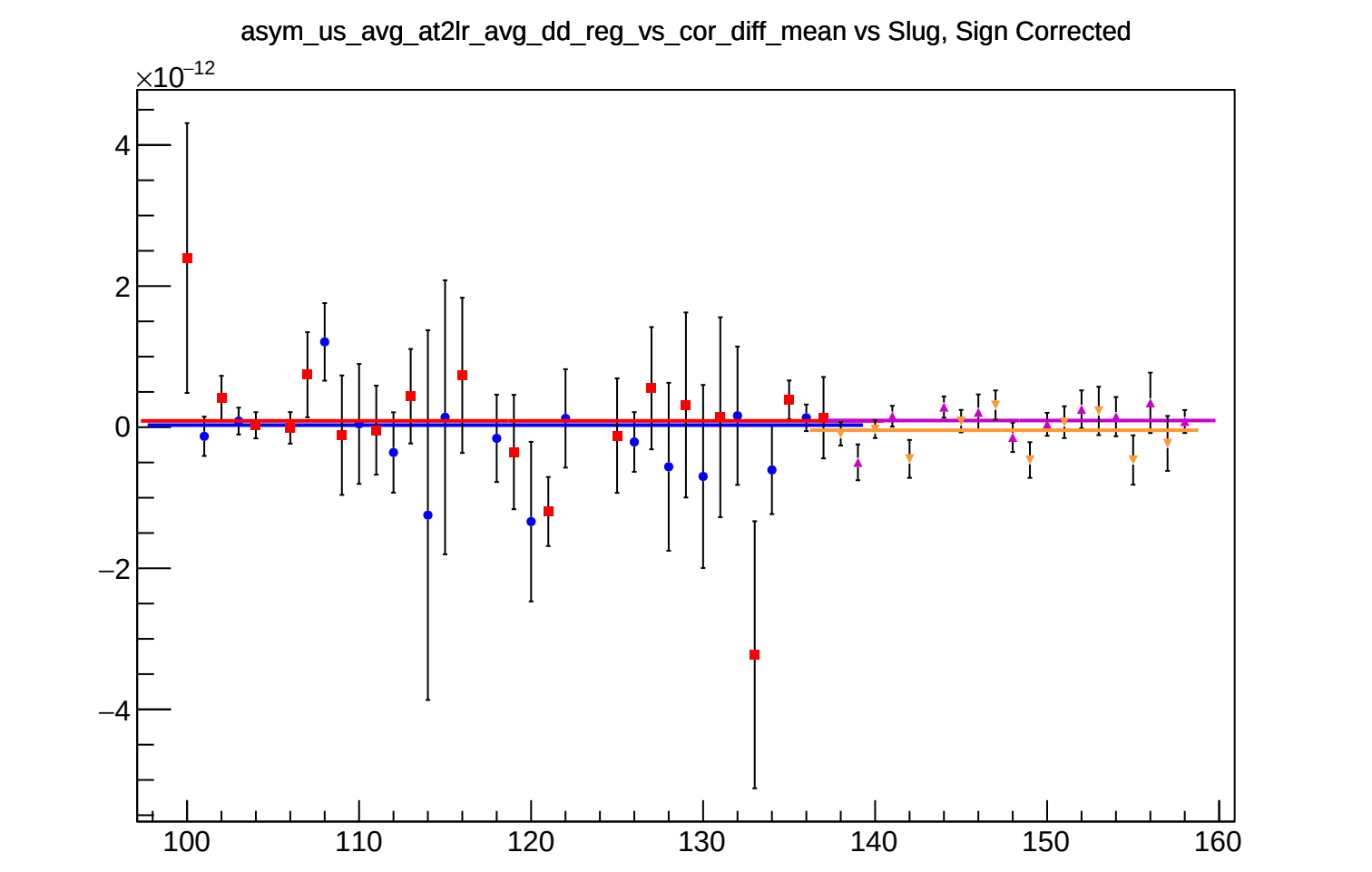
Left: 7369.241+/-1.302 χ^2/NDF: 868510.7/19

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6720.220+/-1.218 χ^2/NDF:1292354.1/25

Out: 6216.821+/-1.185 χ^2/NDF:2196526.4/27

All: 6461.537+/-0.849 χ^2/NDF: 3576636.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.6/9

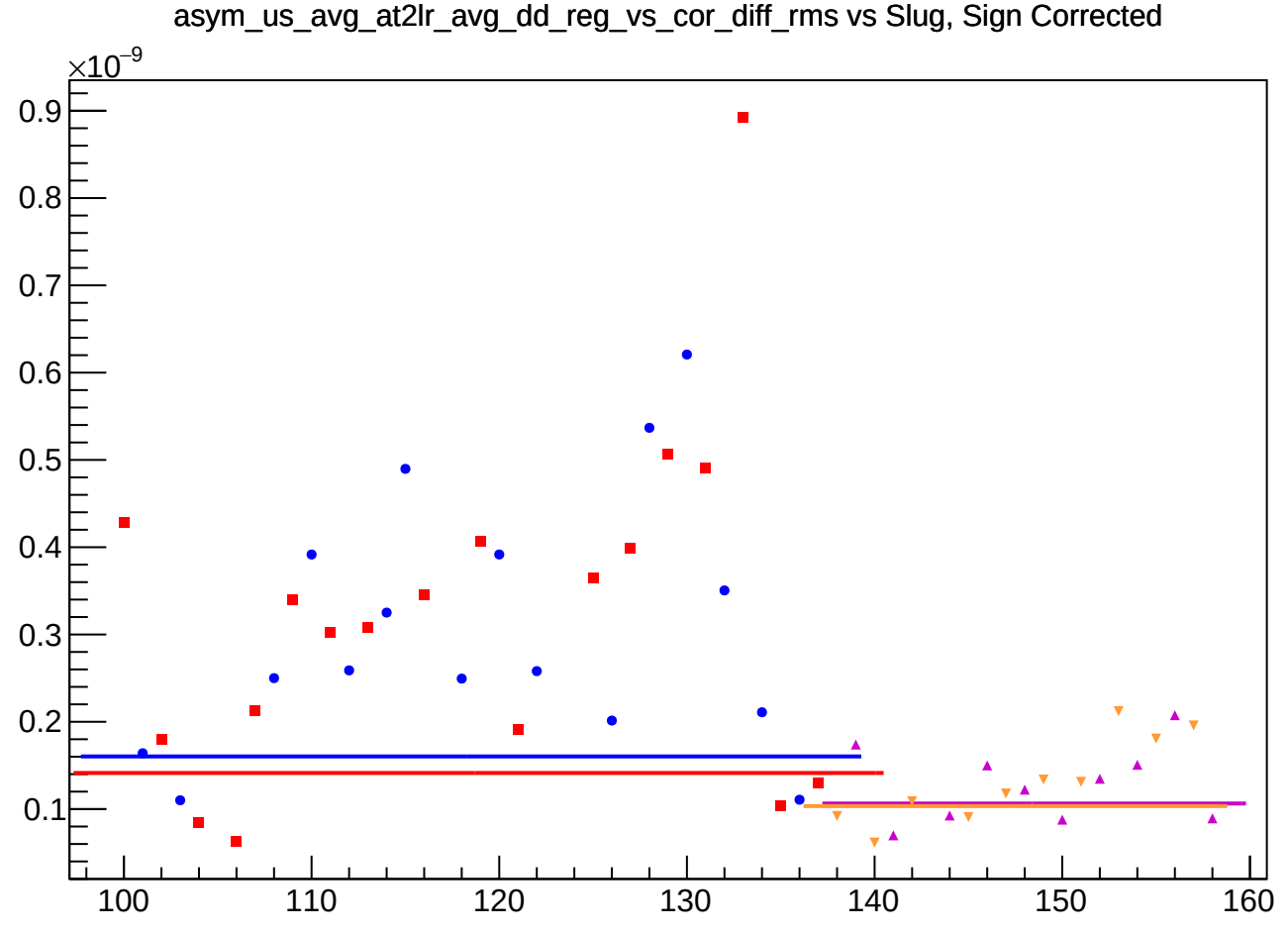
Left: 0.000+/-0.000 χ^2/NDF: 23.2/19

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

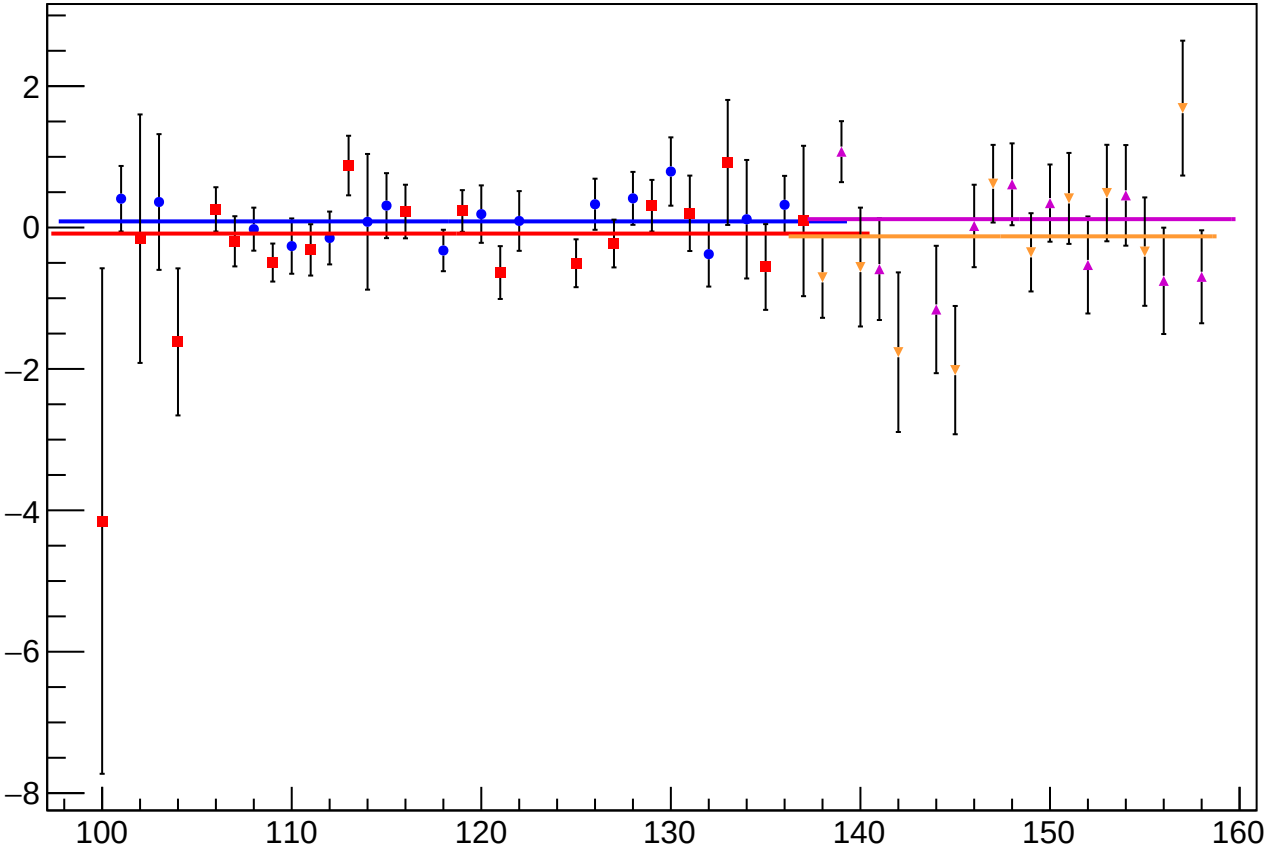
In: 0.000+/-0.000 χ^2/NDF:19.4/25

Out: -0.000+/-0.000 χ^2/NDF:29.0/27

All: 0.000+/-0.000 χ^2/NDF: 49.5/53


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1329606.8/15
Left Out: 0.000+/-0.000 χ²/NDF:727795.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 2165946.2/17
Left In: 0.000+/-0.000 χ²/NDF:583977.4/9
Left: 0.000+/-0.000 χ²/NDF: 1313927.7/19
Right: 0.000+/-0.000 χ²/NDF: 3529311.8/33
In: 0.000+/-0.000 χ²/NDF:2308154.5/25
Out: 0.000+/-0.000 χ²/NDF:3088601.0/27
All: 0.000+/-0.000 χ²/NDF: 5411527.3/53

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: -0.125+/-0.221 χ^2/NDF:14.9/9

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.196 χ^2/NDF:12.8/9

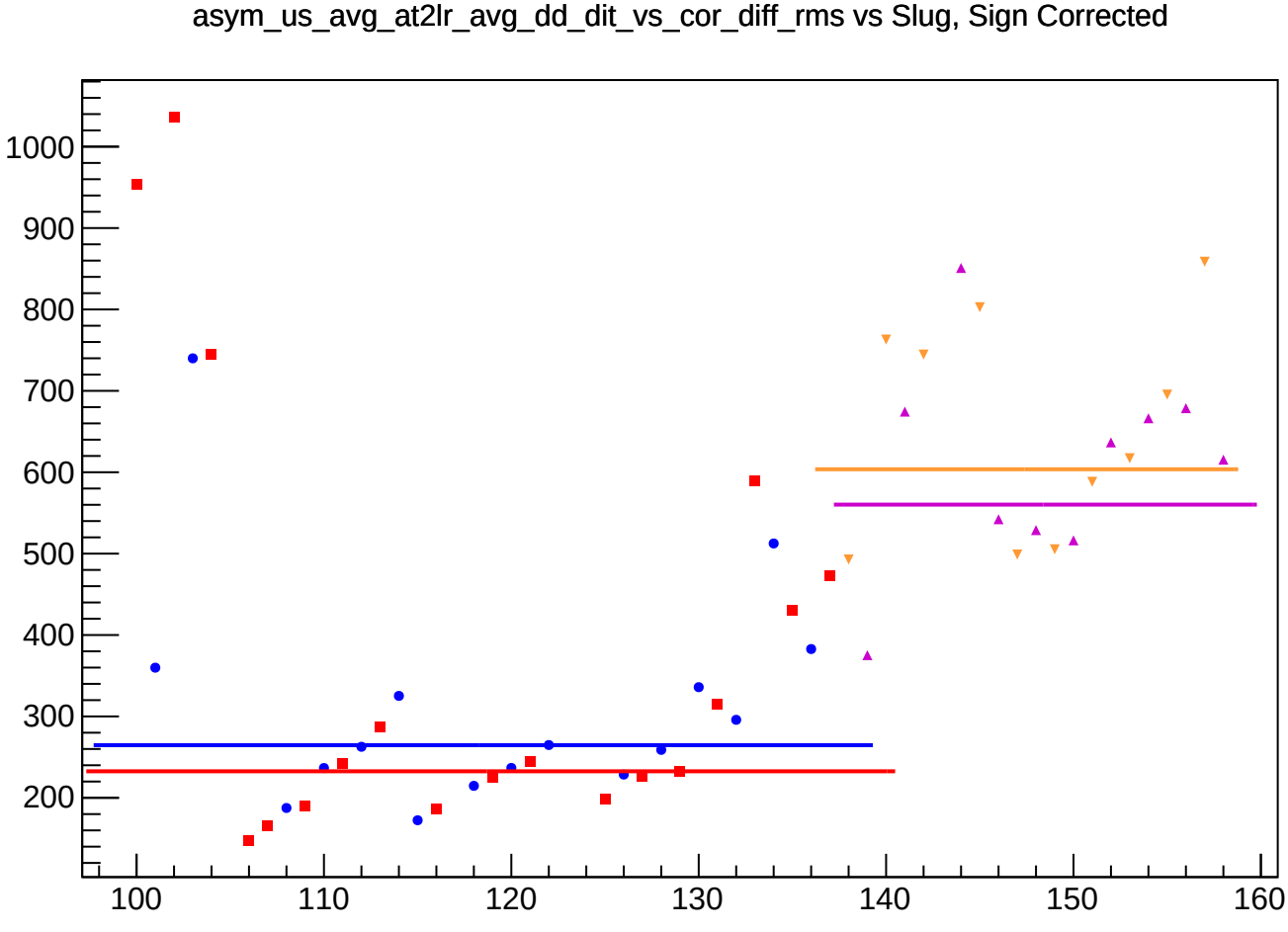
Left: 0.012+/-0.147 χ^2/NDF: 28.4/19

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.094+/-0.093 χ^2/NDF:21.7/25

Out: -0.092+/-0.089 χ^2/NDF:36.8/27

All: -0.003+/-0.064 χ^2/NDF: 60.6/53



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.654+/-0.157 χ^2/NDF:583639.4/9

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 560.226+/-0.139 χ^2/NDF:780342.7/9

Left: 579.325+/-0.104 χ^2/NDF: 1407108.6/19

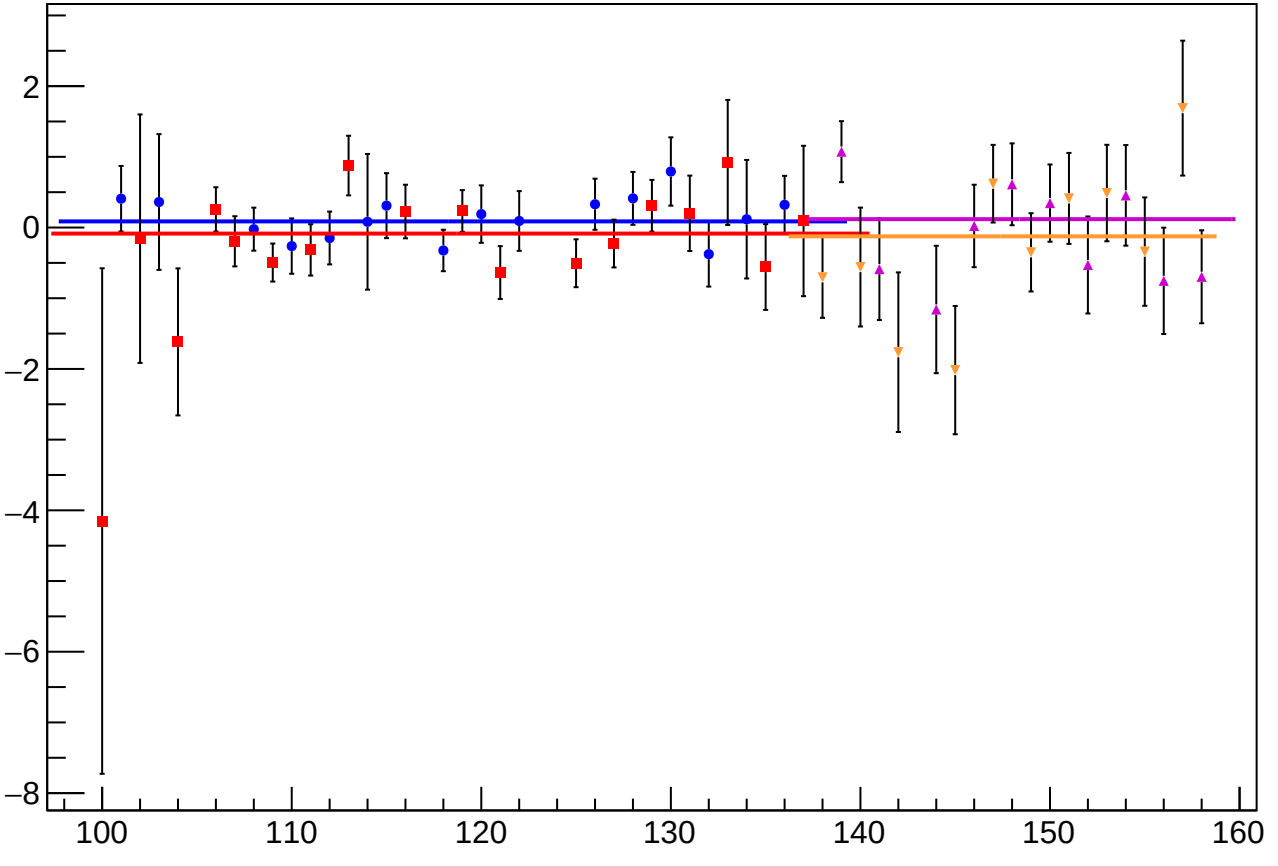
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 330.585+/-0.065 χ^2/NDF:5593356.6/25

Out: 292.719+/-0.063 χ^2/NDF:7325604.4/27

All: 310.919+/-0.045 χ^2/NDF: 13092570.9/53

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: -0.125+/-0.221 χ^2/NDF:14.9/9

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.196 χ^2/NDF:12.8/9

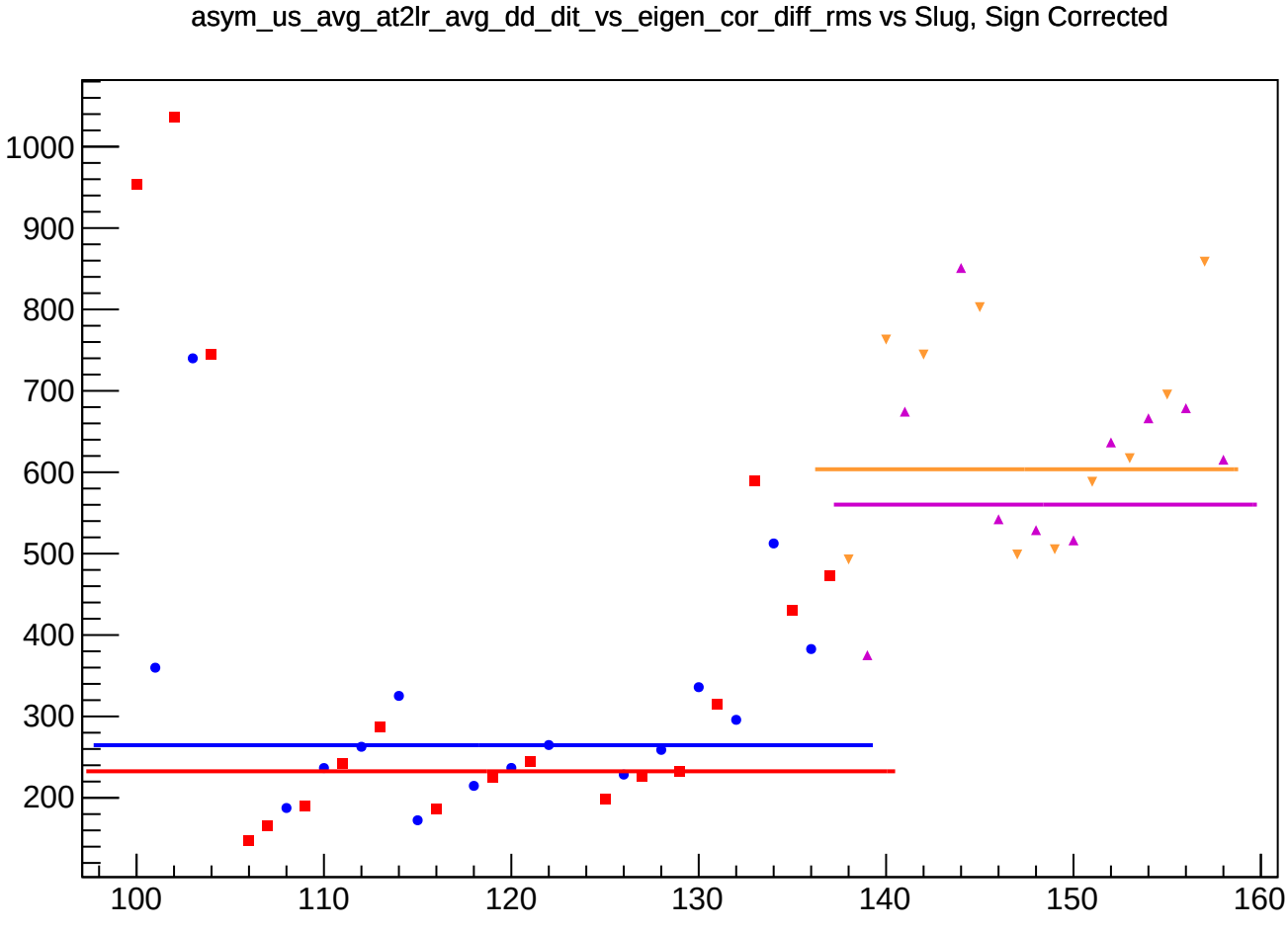
Left: 0.012+/-0.147 χ^2/NDF: 28.4/19

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

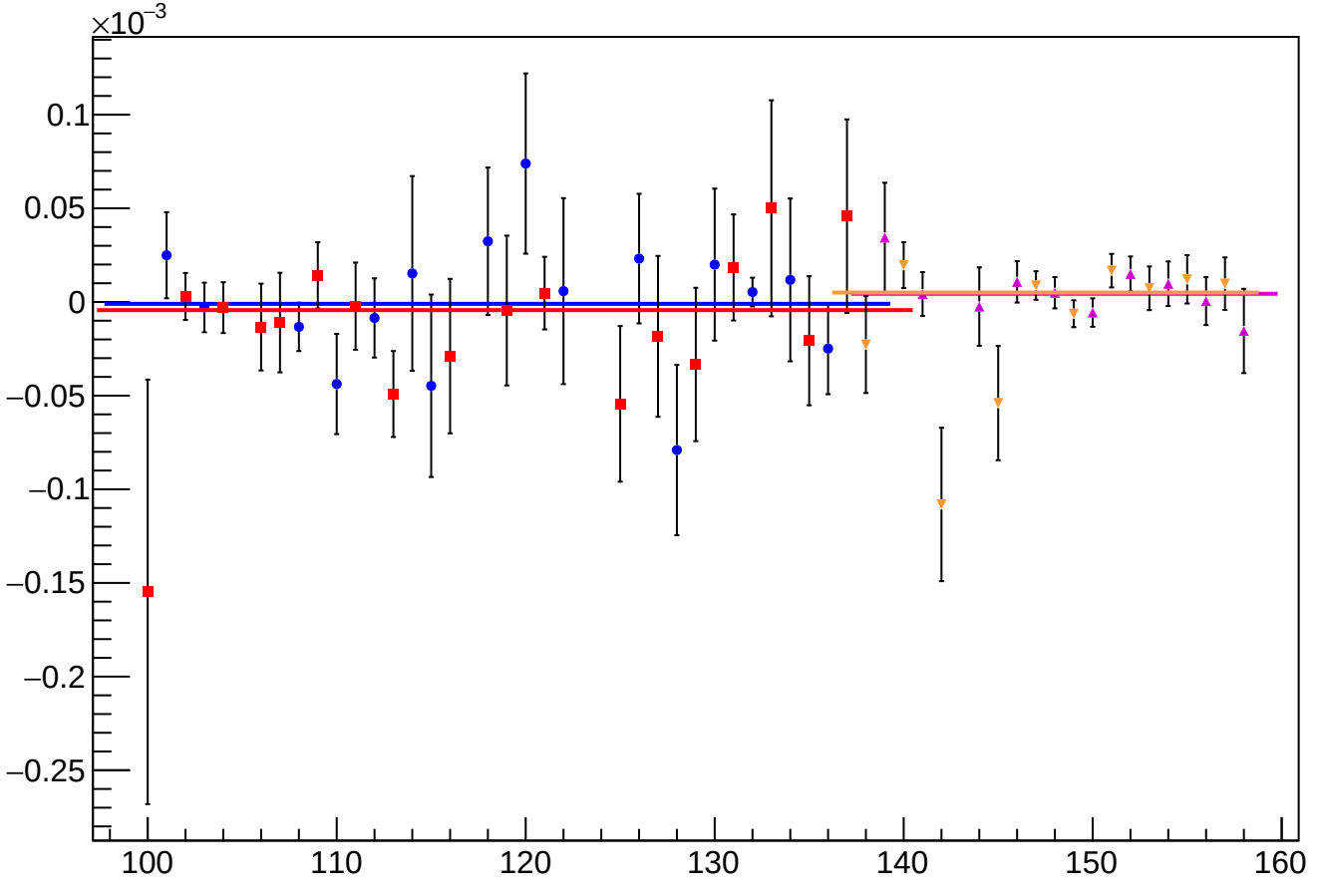
In: 0.094+/-0.093 χ^2/NDF:21.7/25

Out: -0.092+/-0.089 χ^2/NDF:36.8/27

All: -0.003+/-0.064 χ^2/NDF: 60.6/53


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 603.654+/-0.157 χ²/NDF:583639.4/9
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 560.226+/-0.139 χ²/NDF:780342.7/9
Left: 579.325+/-0.104 χ²/NDF: 1407108.6/19
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 330.585+/-0.065 χ²/NDF:5593356.6/25
Out: 292.719+/-0.063 χ²/NDF:7325604.4/27
All: 310.919+/-0.045 χ²/NDF: 13092570.9/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:5.6/9

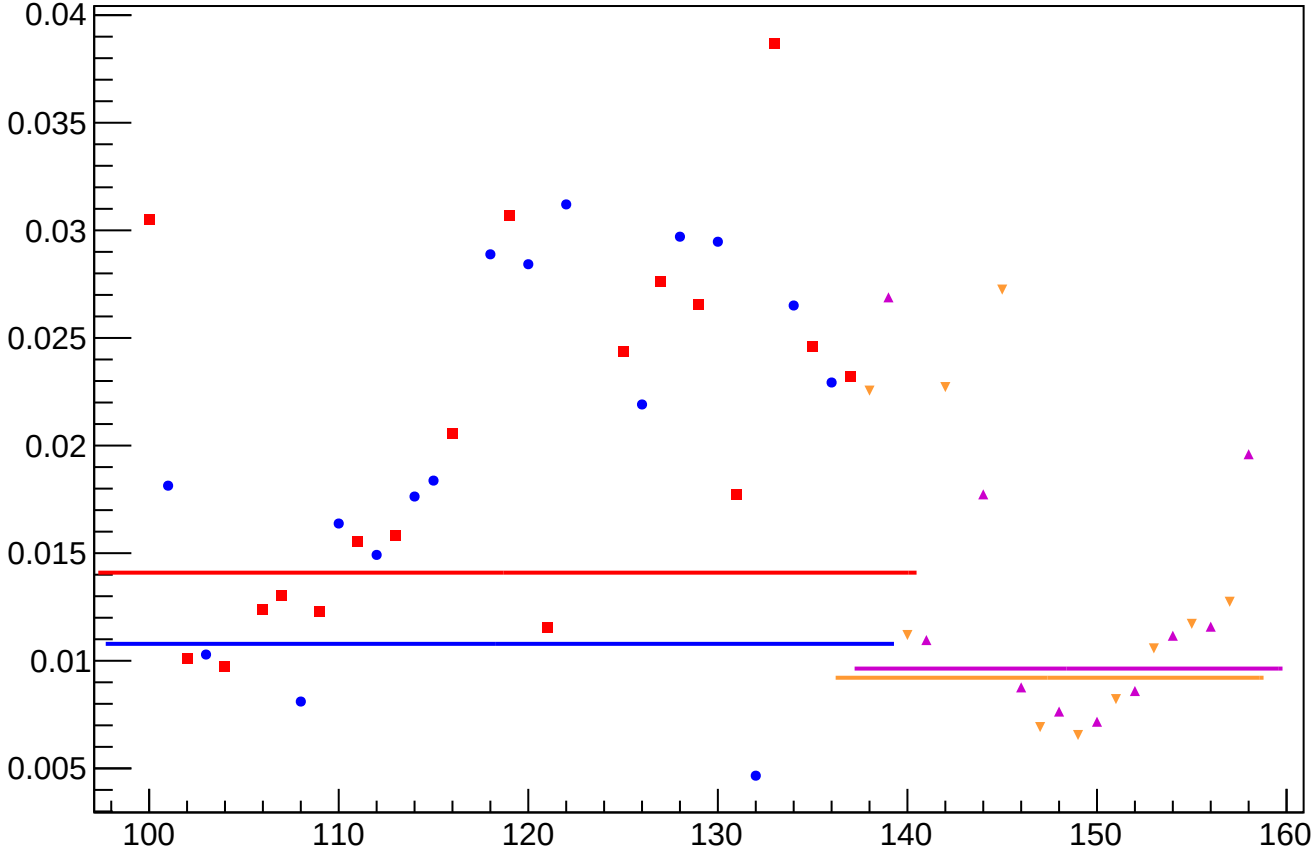
Left: 0.000+/-0.000 χ^2/NDF: 24.5/19

Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:20.8/25

Out: 0.000+/-0.000 χ^2/NDF:33.3/27

All: 0.000+/-0.000 χ^2/NDF: 54.1/53



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2211374.6/9

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:1855366.7/9

Left: 0.009+/-0.000 χ^2/NDF: 4080774.9/19

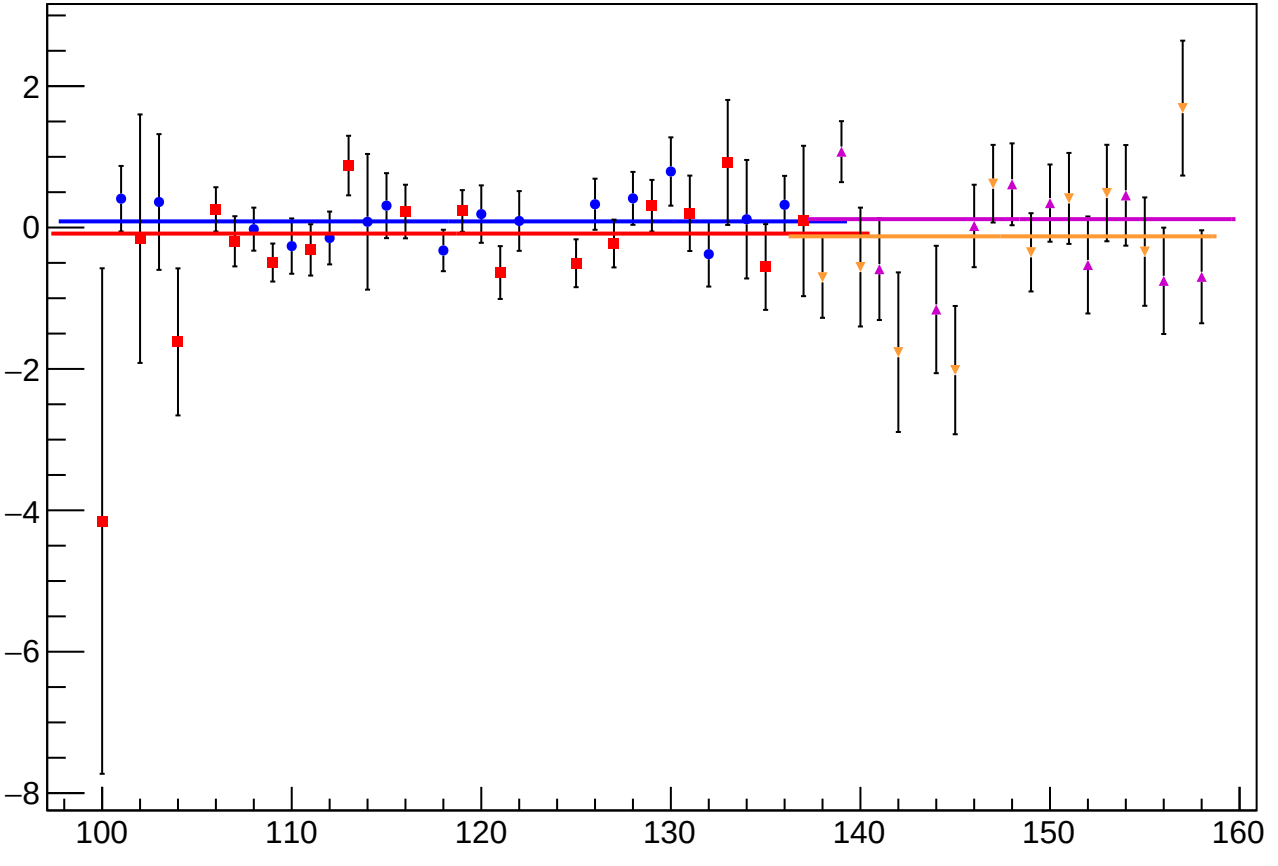
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:6505742.9/25

Out: 0.011+/-0.000 χ^2/NDF:5338748.0/27

All: 0.010+/-0.000 χ^2/NDF: 11879422.1/53

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: -0.125+/-0.221 χ^2/NDF:14.9/9

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.196 χ^2/NDF:12.8/9

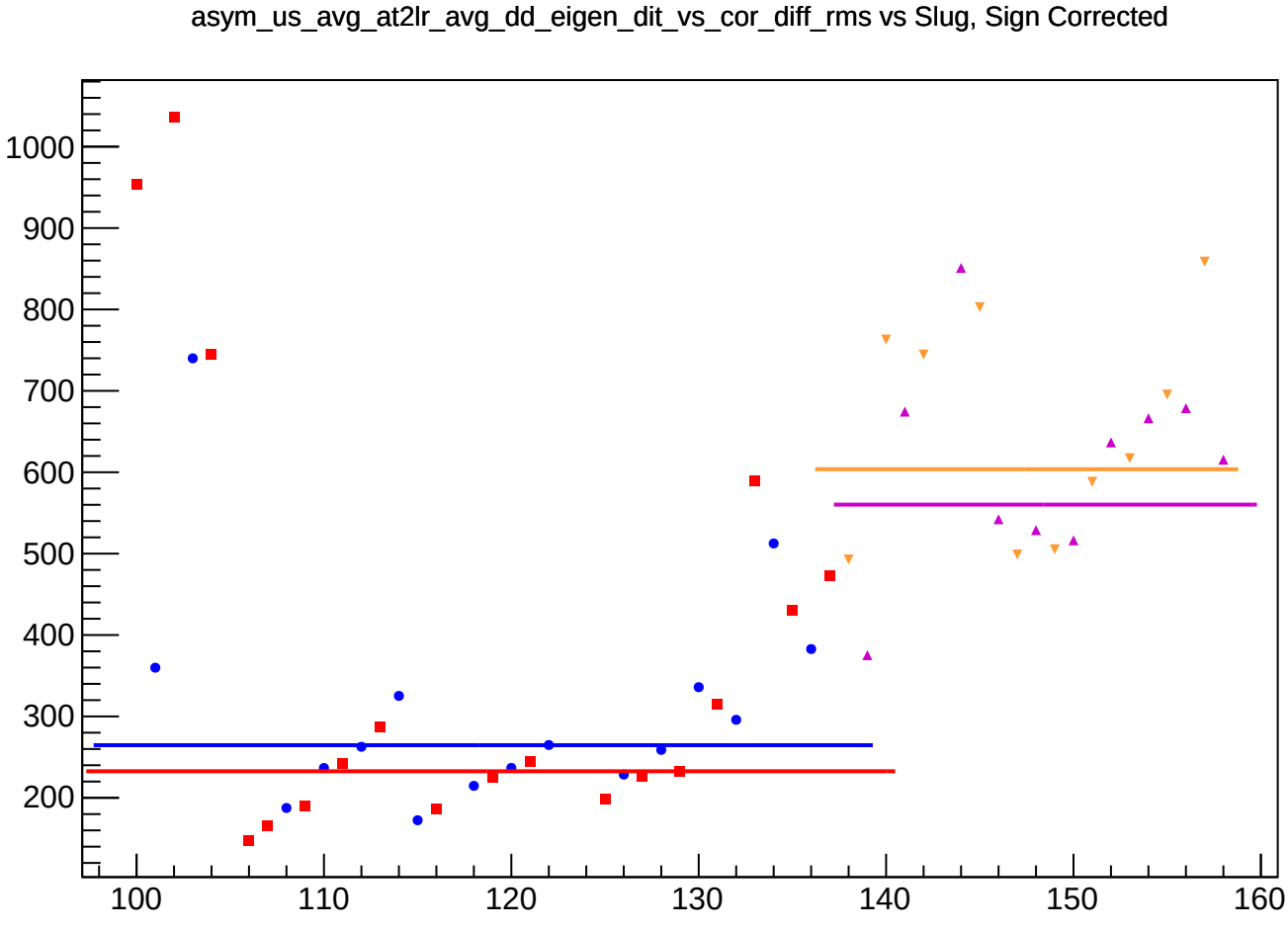
Left: 0.012+/-0.147 χ^2/NDF: 28.4/19

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

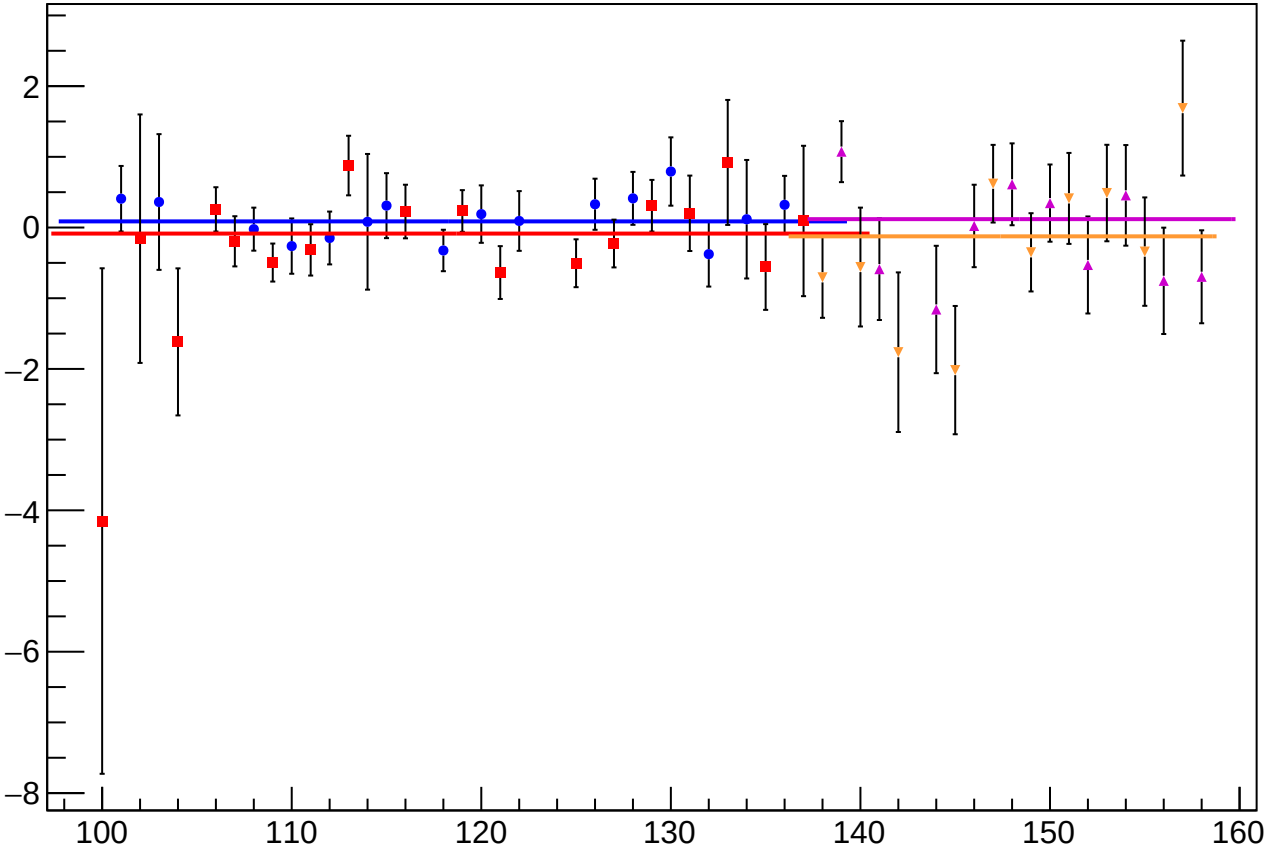
In: 0.094+/-0.093 χ^2/NDF:21.7/25

Out: -0.092+/-0.089 χ^2/NDF:36.8/27

All: -0.003+/-0.064 χ^2/NDF: 60.6/53


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 603.660+/-0.157 χ²/NDF:583644.8/9
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 560.233+/-0.139 χ²/NDF:780314.1/9
Left: 579.332+/-0.104 χ²/NDF: 1407081.0/19
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 330.585+/-0.065 χ²/NDF:5593419.9/25
Out: 292.719+/-0.063 χ²/NDF:7325657.2/27
All: 310.919+/-0.045 χ²/NDF: 13092680.0/53

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: -0.125+/-0.221 χ^2/NDF:14.9/9

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.119+/-0.196 χ^2/NDF:12.8/9

Left: 0.012+/-0.147 χ^2/NDF: 28.4/19

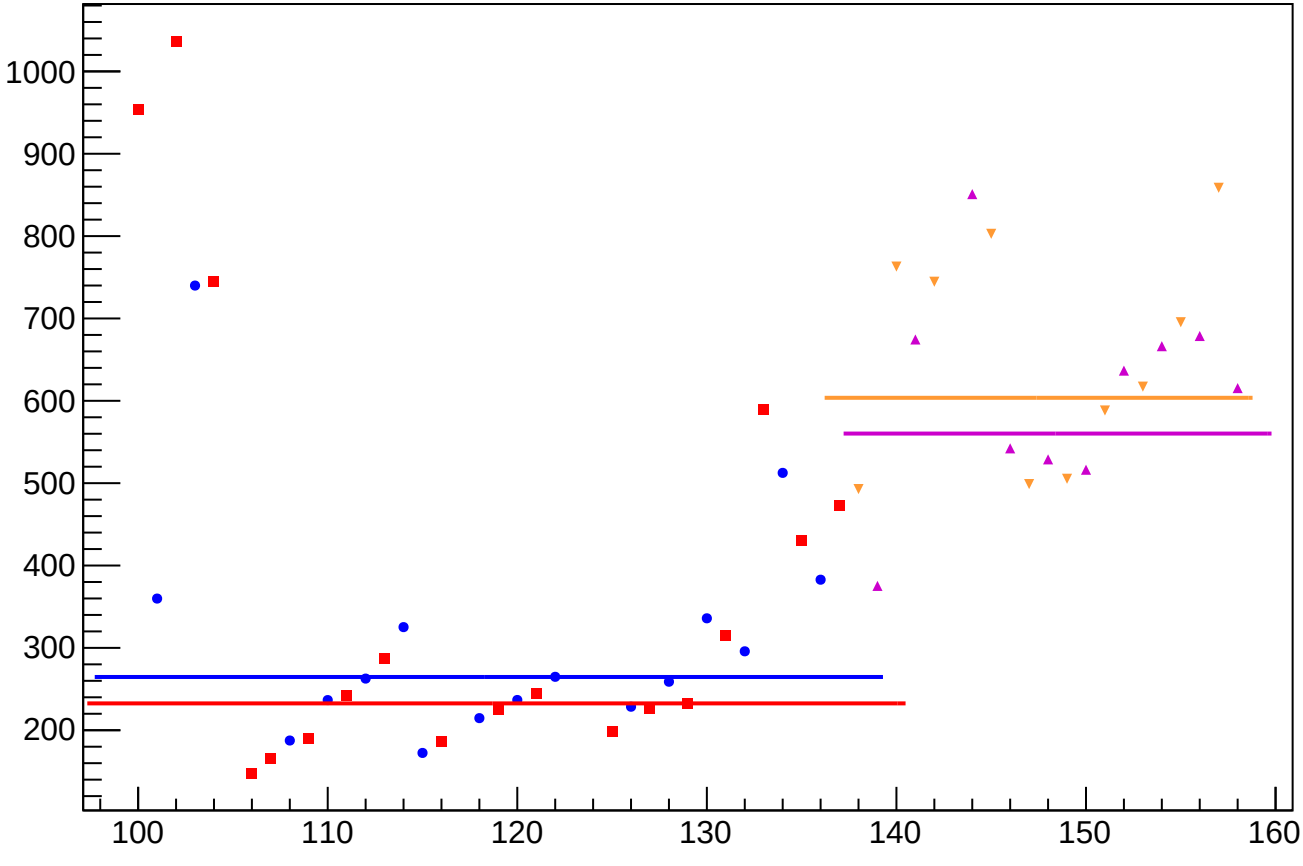
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.094+/-0.093 χ^2/NDF:21.7/25

Out: -0.092+/-0.089 χ^2/NDF:36.8/27

All: -0.003+/-0.064 χ^2/NDF: 60.6/53

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.660+/-0.157 χ^2/NDF:583644.8/9

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 560.233+/-0.139 χ^2/NDF:780314.1/9

Left: 579.332+/-0.104 χ^2/NDF: 1407081.0/19

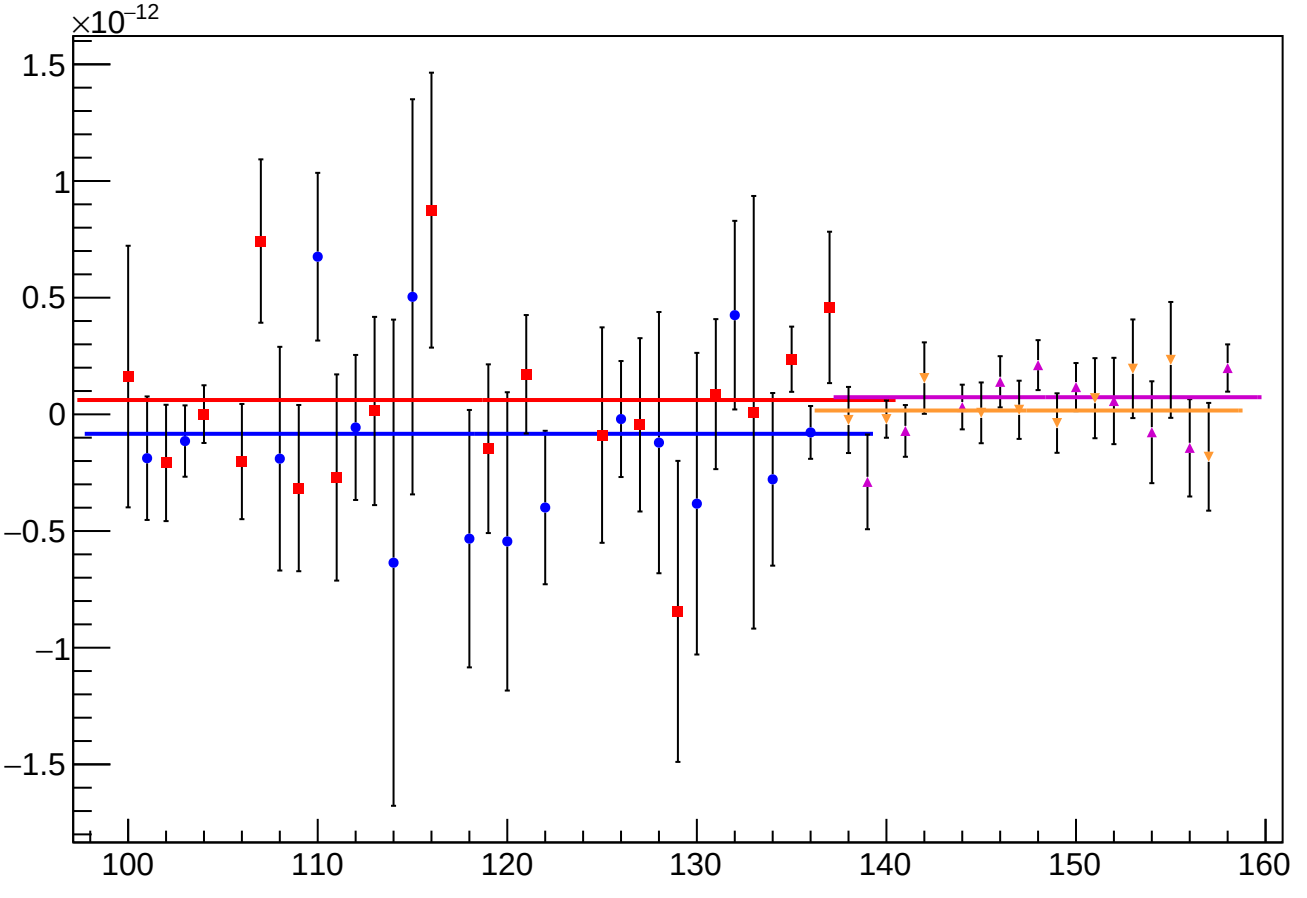
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 330.585+/-0.065 χ^2/NDF:5593419.9/25

Out: 292.719+/-0.063 χ^2/NDF:7325657.2/27

All: 310.919+/-0.045 χ^2/NDF: 13092680.0/53

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:10.4/9

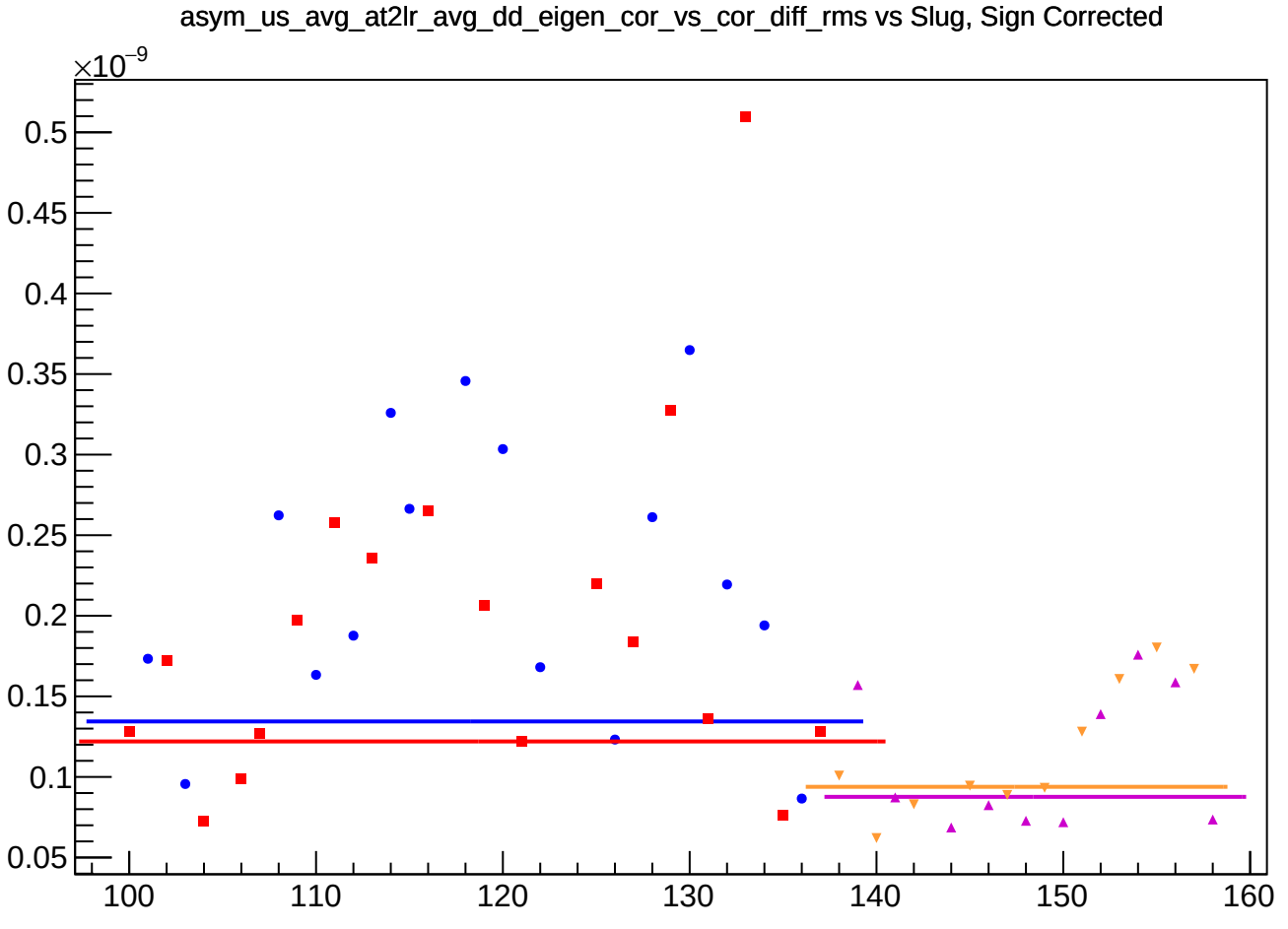
Left: 0.000+/-0.000 χ^2/NDF: 14.9/19

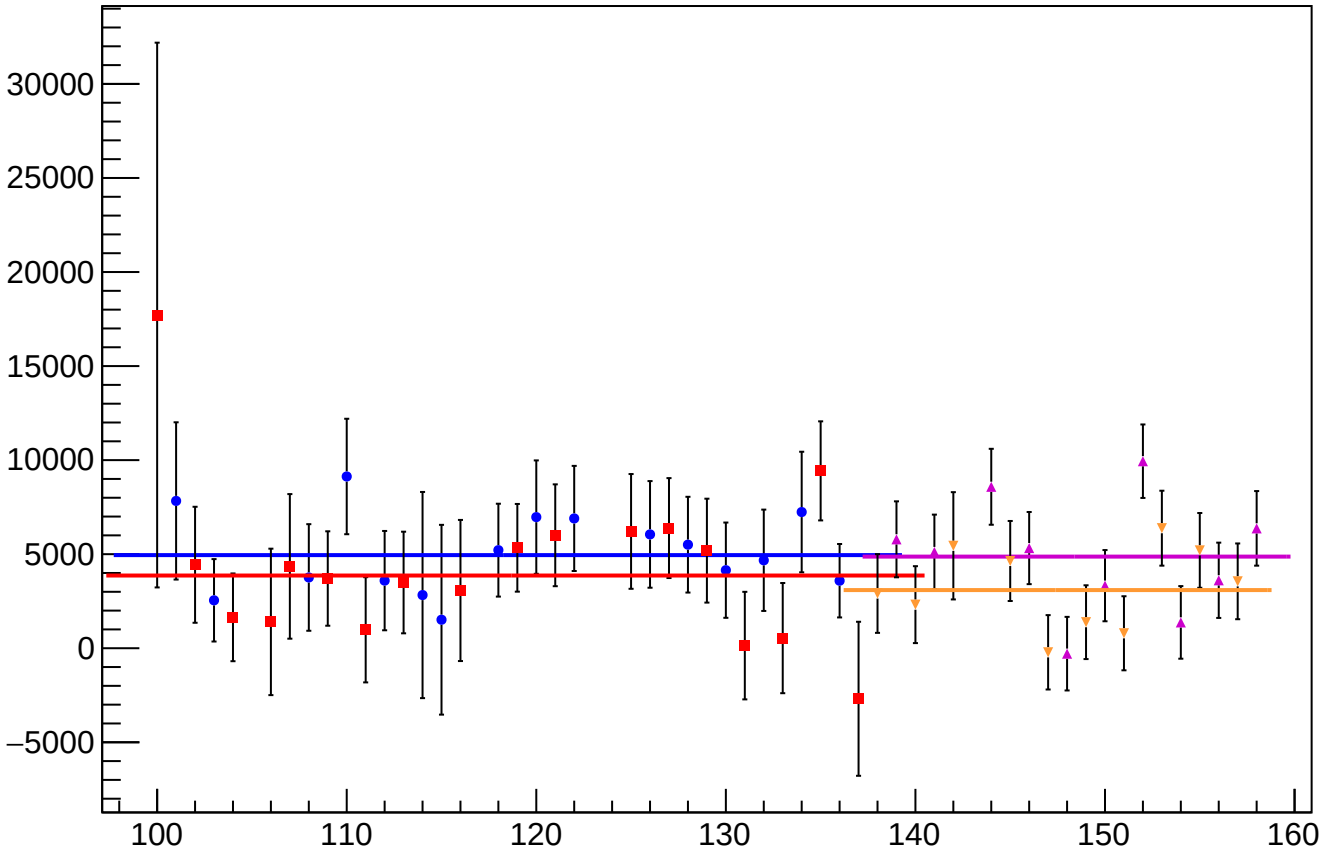
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:24.0/25

Out: 0.000+/-0.000 χ^2/NDF:19.7/27

All: 0.000+/-0.000 χ^2/NDF: 43.7/53


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1059071.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1153923.5/9
Left: 0.000+/-0.000 χ²/NDF: 2235525.4/19
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:3664013.9/25
Out: 0.000+/-0.000 χ²/NDF:3323811.4/27
All: 0.000+/-0.000 χ²/NDF: 6998495.1/53



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.238+/-654.098 χ^2/NDF:10.2/9

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4870.810+/-621.177 χ^2/NDF:22.3/9

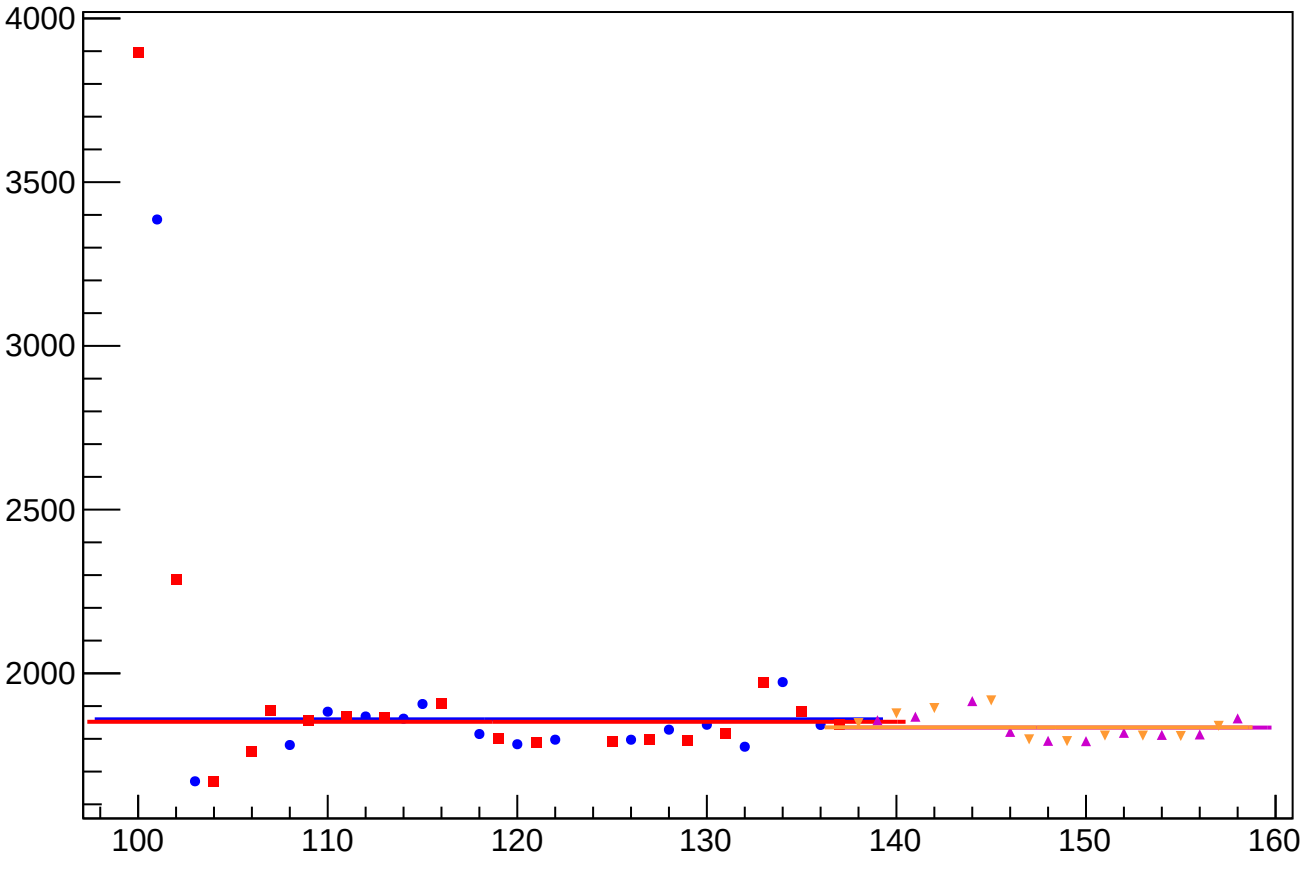
Left: 4026.932+/-450.427 χ^2/NDF: 36.4/19

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4905.898+/-464.307 χ^2/NDF:29.1/25

Out: 3454.317+/-476.572 χ^2/NDF:27.0/27

All: 4199.027+/-332.566 χ^2/NDF: 60.9/53



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1835.019+/-0.463 χ^2/NDF:7411.8/9

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

Left: 1834.661+/-0.319 χ^2/NDF: 14362.9/19

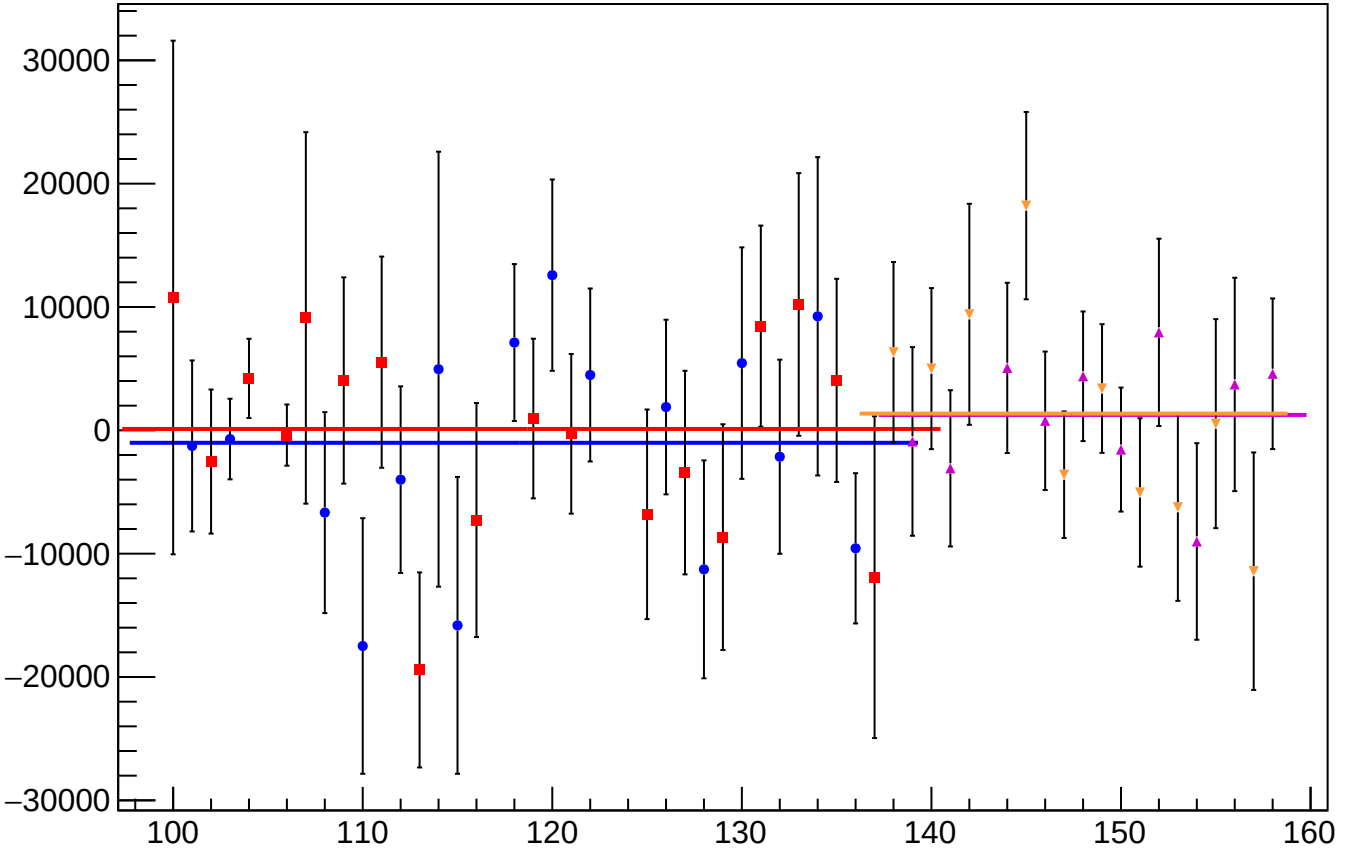
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1845.446+/-0.328 χ^2/NDF:300733.9/25

Out: 1843.042+/-0.337 χ^2/NDF:110263.6/27

All: 1844.273+/-0.235 χ^2/NDF: 411023.7/53

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 1357.657+/-2149.965 χ^2/NDF:11.5/9

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1247.503+/-2025.193 χ^2/NDF:4.3/9

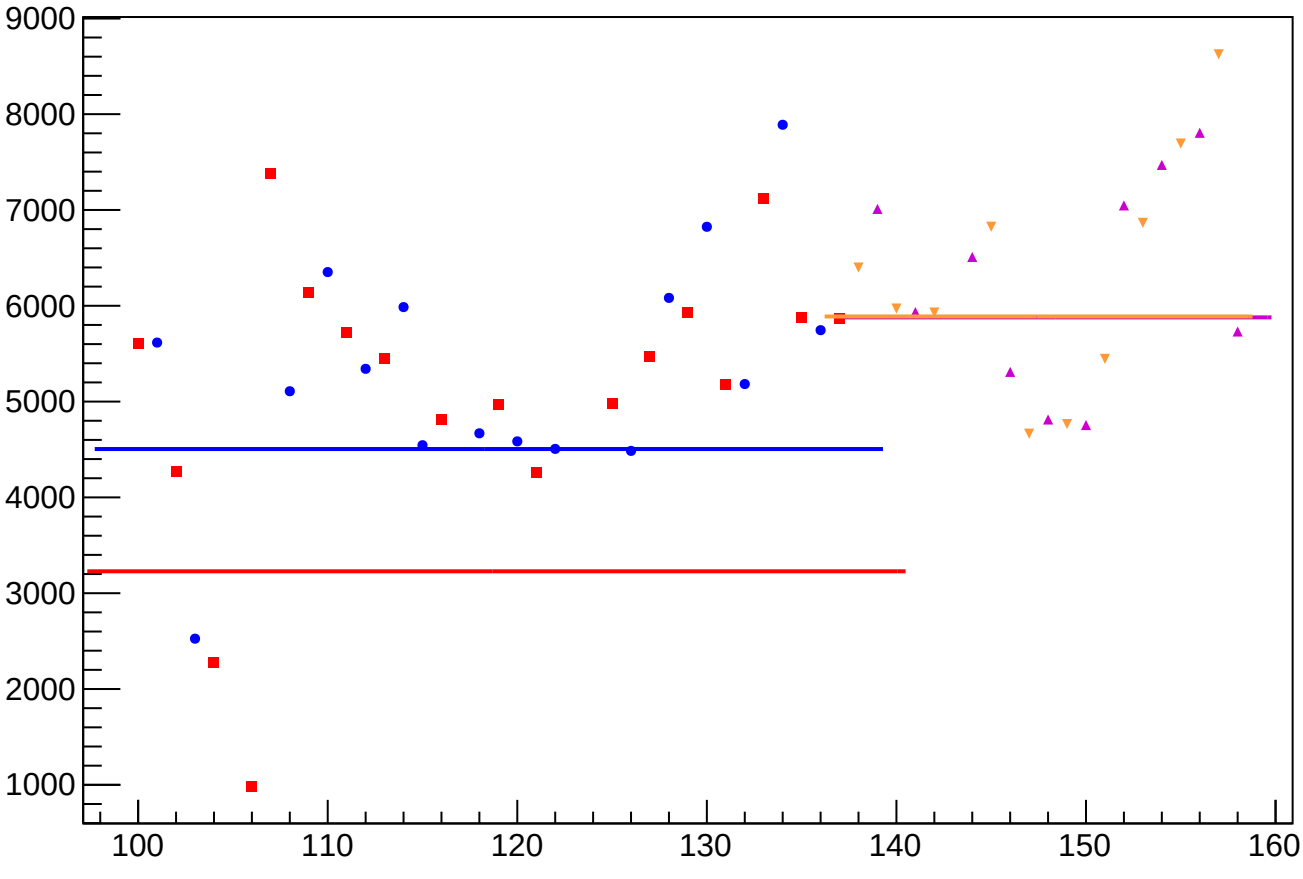
Left: 1299.291+/-1474.165 χ^2/NDF: 15.8/19

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -36.175+/-1330.237 χ^2/NDF:19.8/25

Out: 496.695+/-1195.579 χ^2/NDF:26.4/27

All: 258.588+/-889.210 χ^2/NDF: 46.2/53



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5888.267+/-1.520 χ^2/NDF:542966.2/9

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 5878.895+/-1.432 χ^2/NDF:490935.6/9

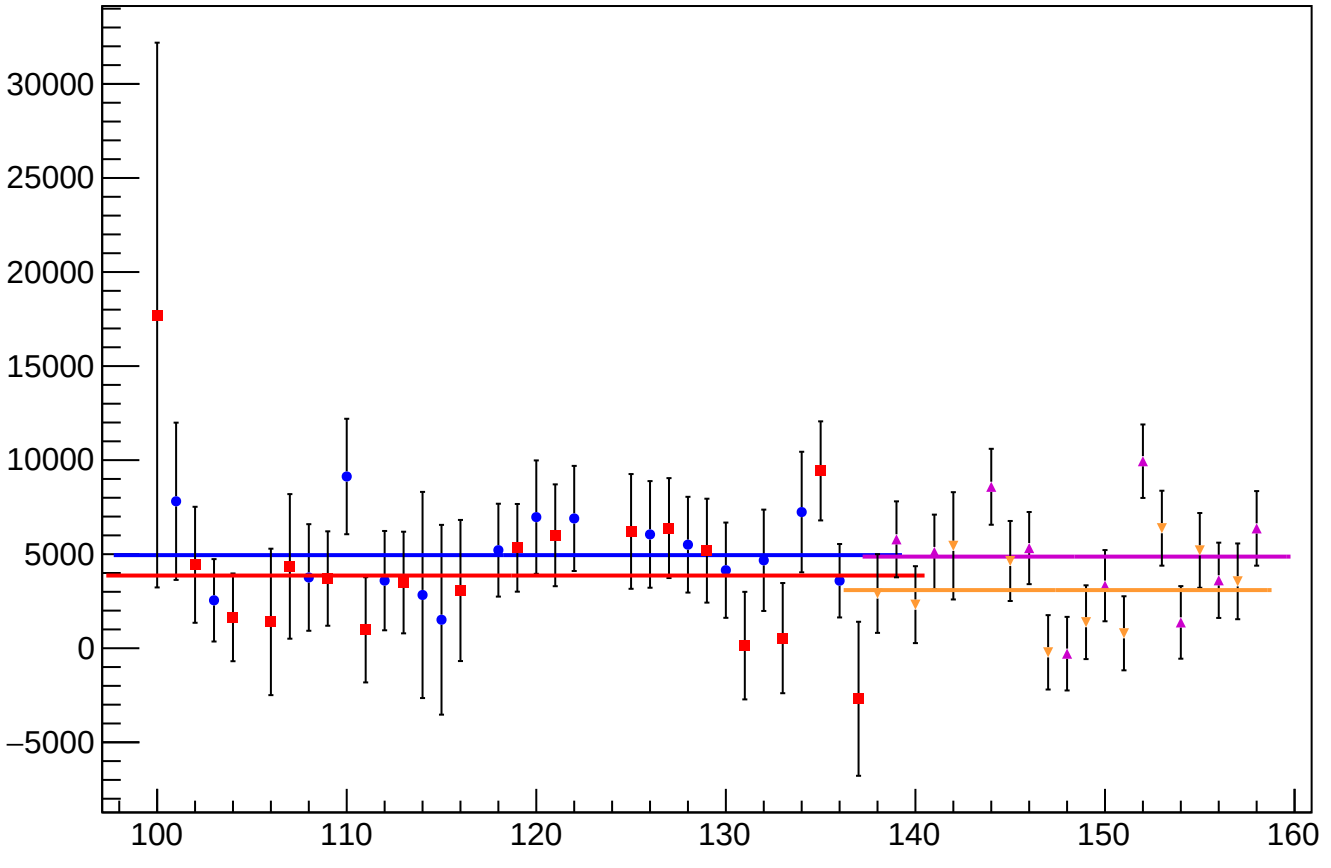
Left: 5883.301+/-1.042 χ^2/NDF: 1033921.9/19

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5097.640+/-0.941 χ^2/NDF:2335533.2/25

Out: 4051.076+/-0.845 χ^2/NDF:6613572.9/27

All: 4518.721+/-0.629 χ^2/NDF: 9633893.0/53



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.159+/-654.098 χ^2/NDF:10.2/9

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4871.019+/-621.177 χ^2/NDF:22.3/9

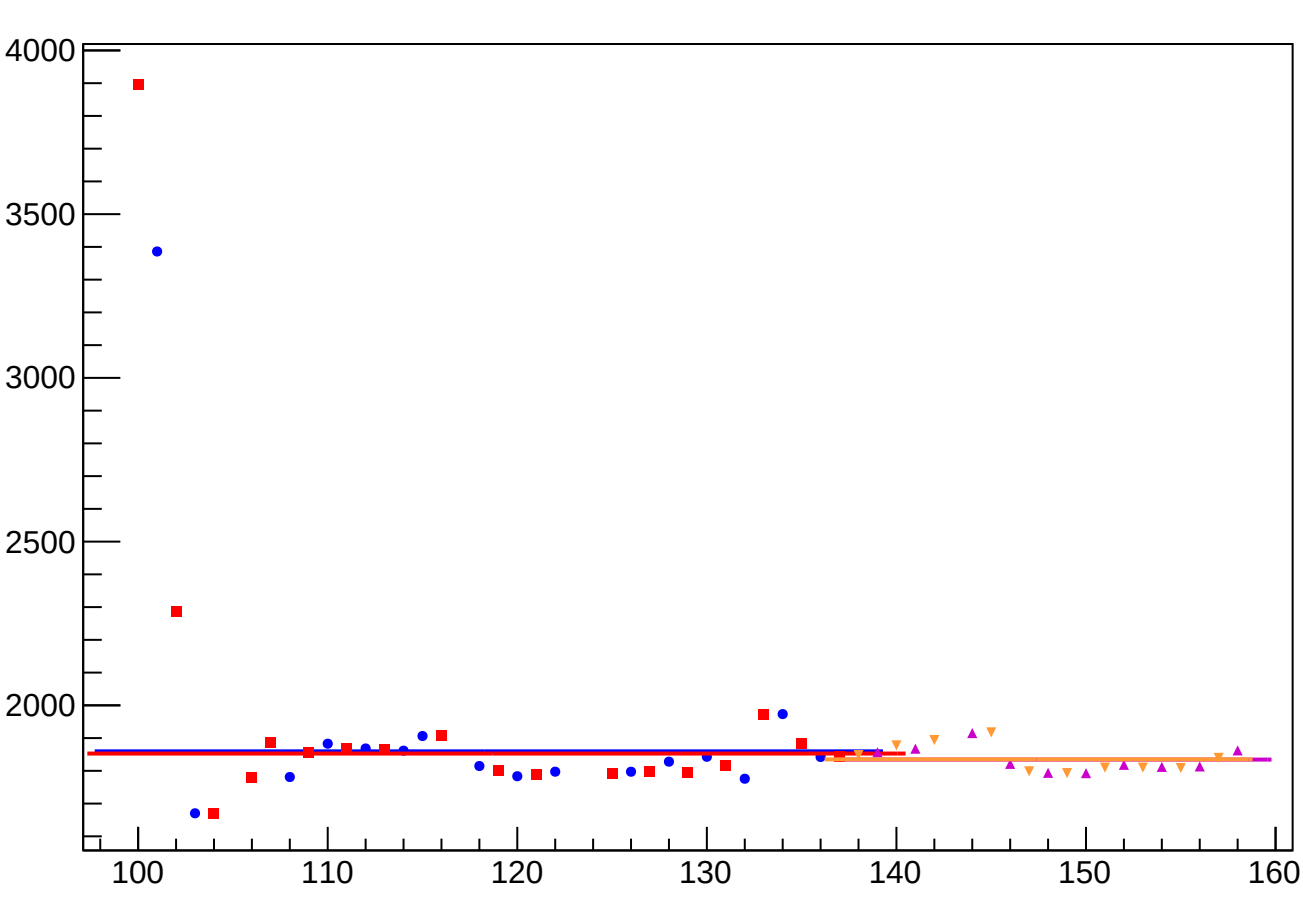
Left: 4027.004+/-450.427 χ^2/NDF: 36.4/19

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4905.802+/-464.307 χ^2/NDF:29.1/25

Out: 3454.174+/-476.572 χ^2/NDF:27.0/27

All: 4198.908+/-332.566 χ^2/NDF: 60.9/53



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1835.019+/-0.463 χ^2/NDF:7411.8/9

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

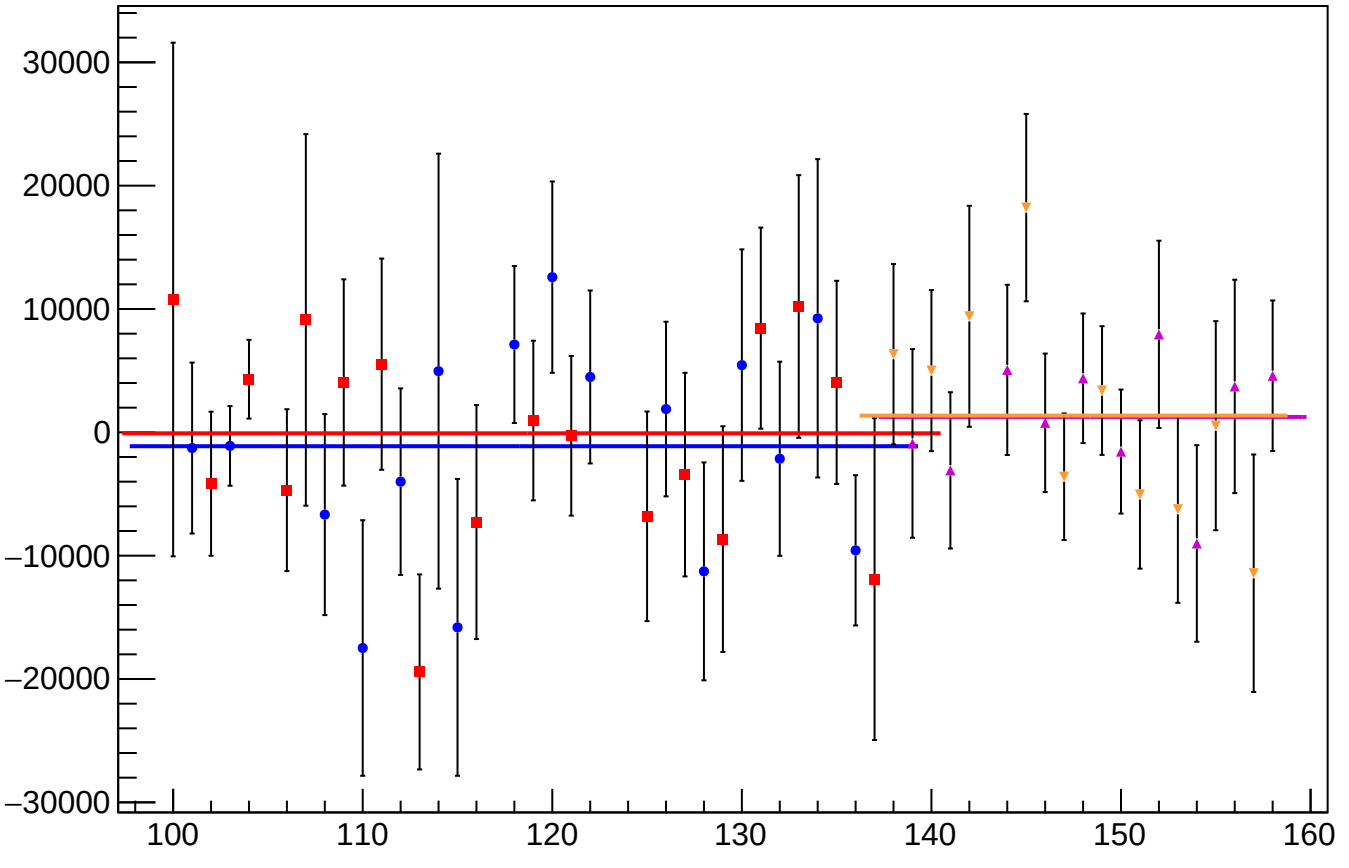
Left: 1834.661+/-0.319 χ^2/NDF: 14362.9/19

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1845.446+/-0.328 χ^2/NDF:300735.8/25

Out: 1843.371+/-0.337 χ^2/NDF:109855.4/27

All: 1844.434+/-0.235 χ^2/NDF: 410610.7/53



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 1357.507+/-2149.963 χ^2/NDF:11.5/9

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1247.692+/-2025.192 χ^2/NDF:4.3/9

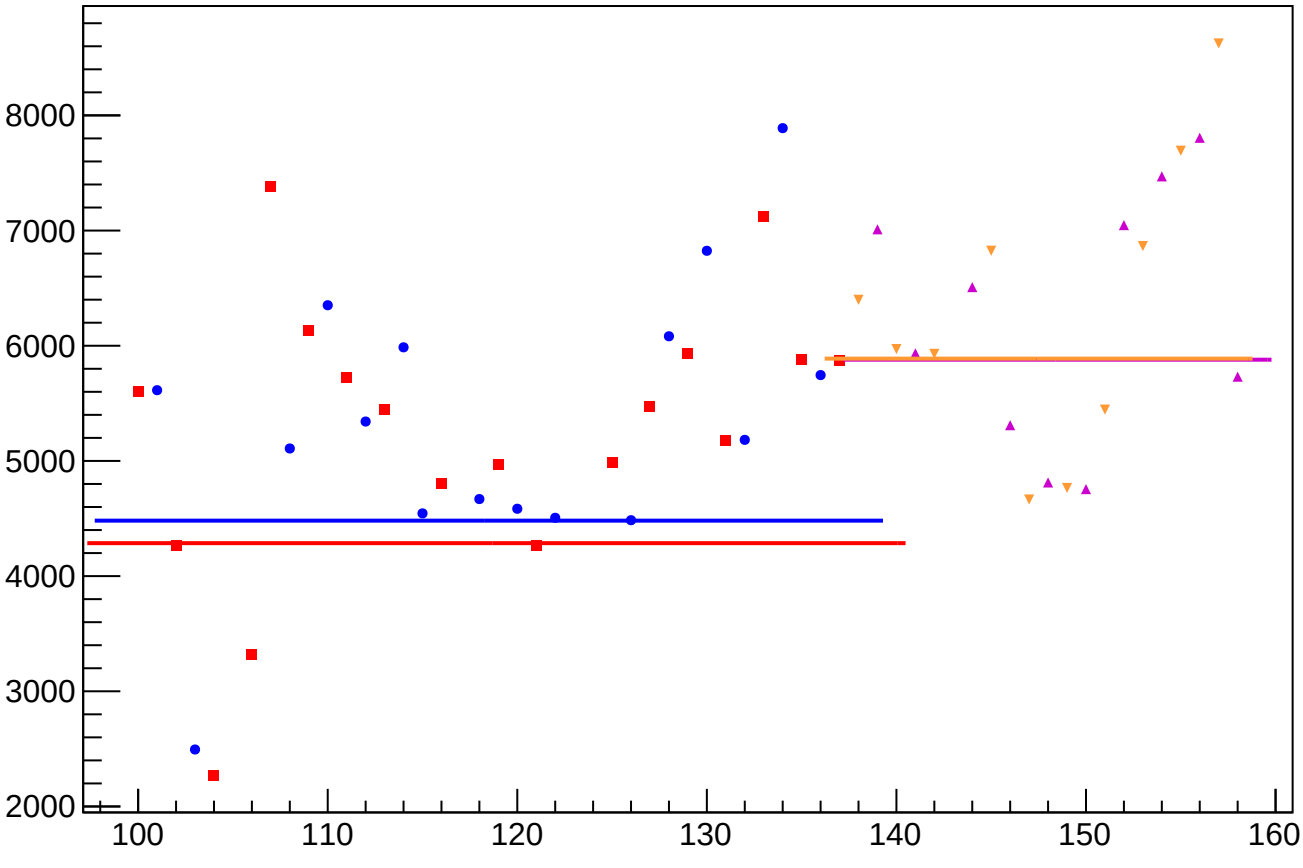
Left: 1299.321+/-1474.164 χ^2/NDF: 15.8/19

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -105.802+/-1327.528 χ^2/NDF:19.9/25

Out: 475.050+/-1334.676 χ^2/NDF:27.3/27

All: 183.065+/-941.221 χ^2/NDF: 47.3/53



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5888.261+/-1.520 χ^2/NDF:542973.2/9

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5878.892+/-1.432 χ^2/NDF:490938.7/9

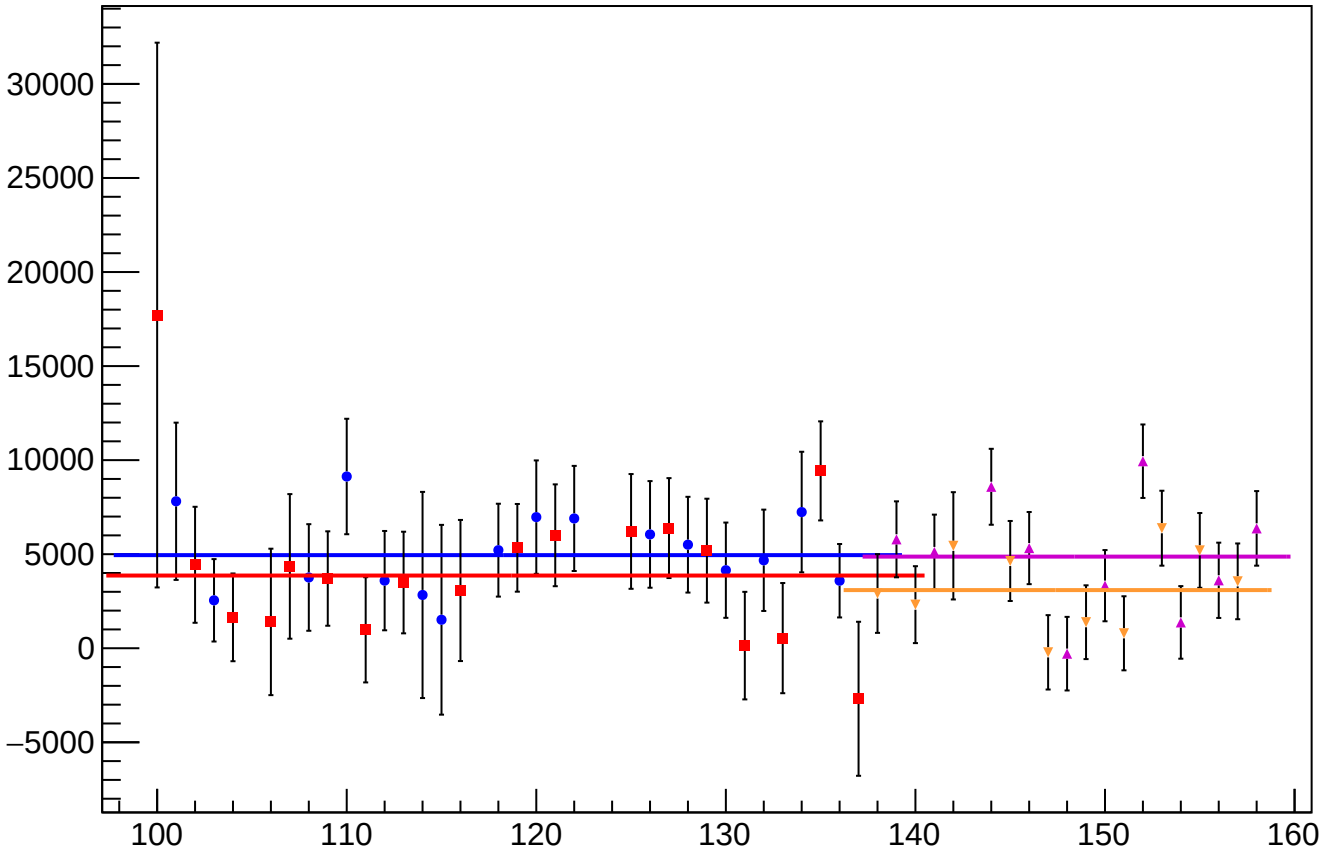
Left: 5883.297+/-1.042 χ^2/NDF: 1033932.0/19

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5081.956+/-0.939 χ^2/NDF:2396236.5/25

Out: 4903.557+/-0.944 χ^2/NDF:2775436.2/27

All: 4993.235+/-0.666 χ^2/NDF: 5189634.8/53



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.159+/-654.098 χ^2/NDF:10.2/9

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4871.019+/-621.177 χ^2/NDF:22.3/9

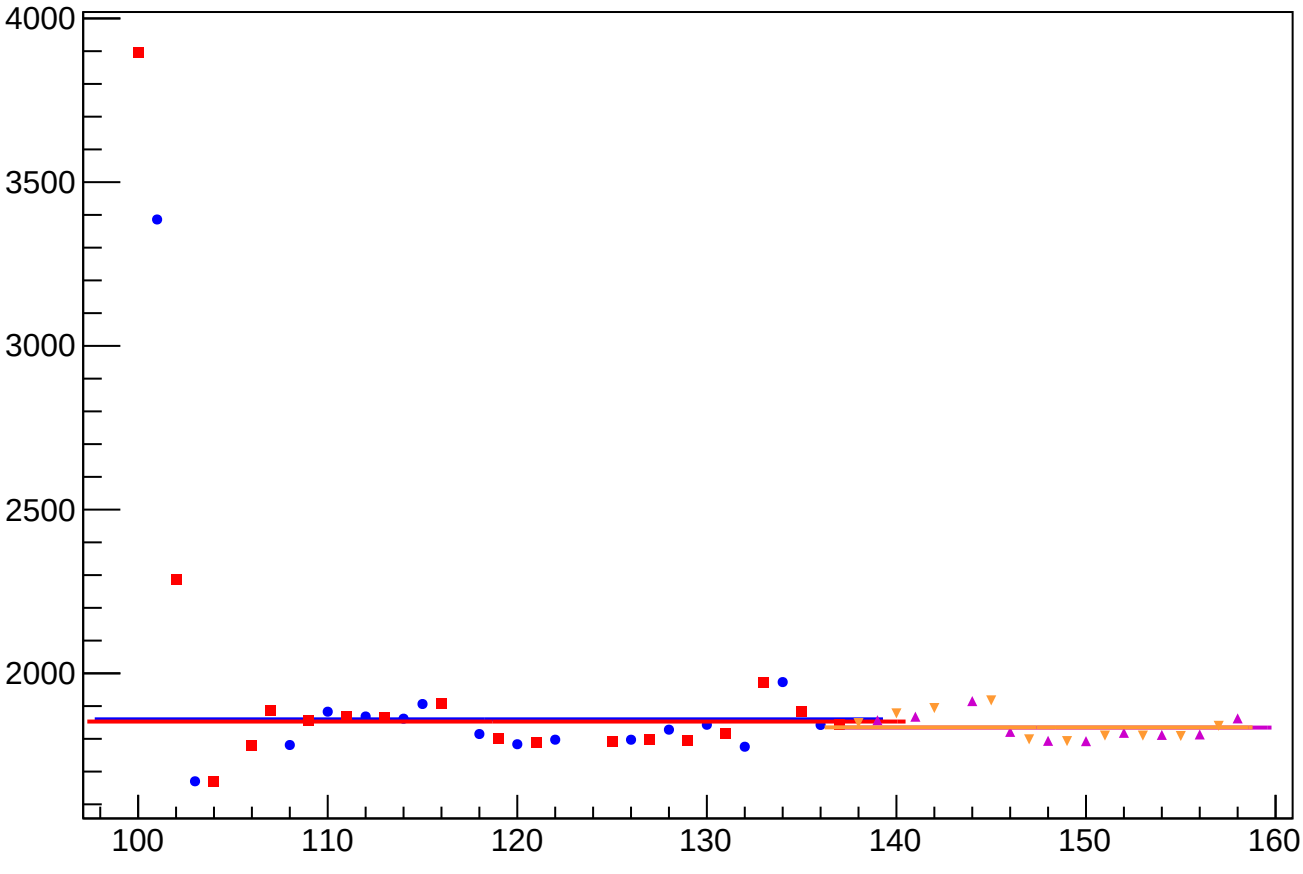
Left: 4027.004+/-450.427 χ^2/NDF: 36.4/19

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4905.802+/-464.307 χ^2/NDF:29.1/25

Out: 3454.174+/-476.572 χ^2/NDF:27.0/27

All: 4198.908+/-332.566 χ^2/NDF: 60.9/53



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1835.019+/-0.463 χ^2/NDF:7411.8/9

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

Left: 1834.661+/-0.319 χ^2/NDF: 14362.9/19

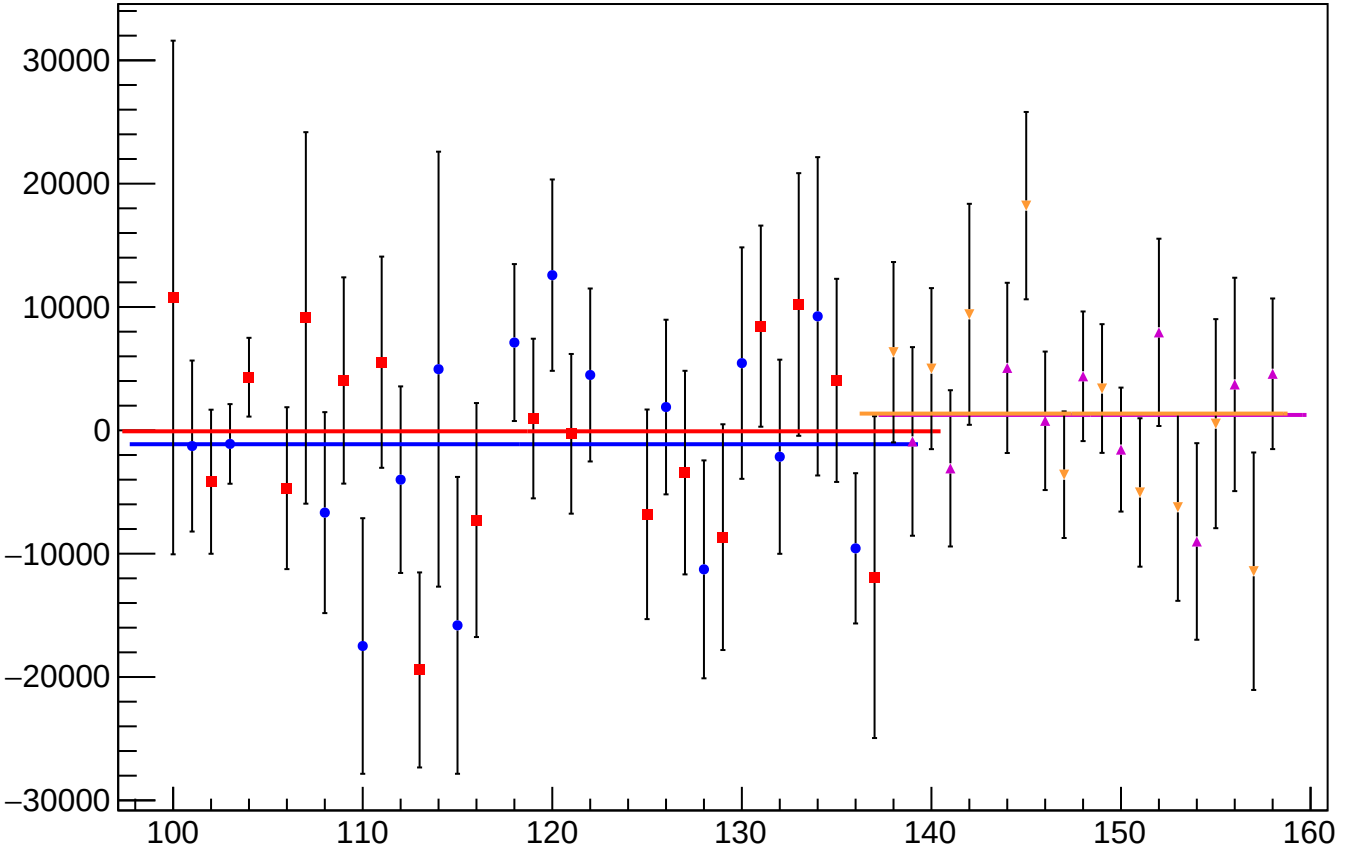
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1845.446+/-0.328 χ^2/NDF:300735.8/25

Out: 1843.371+/-0.337 χ^2/NDF:109855.4/27

All: 1844.434+/-0.235 χ^2/NDF: 410610.7/53

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 1357.507+/-2149.963 χ^2/NDF:11.5/9

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1247.692+/-2025.192 χ^2/NDF:4.3/9

Left: 1299.321+/-1474.164 χ^2/NDF: 15.8/19

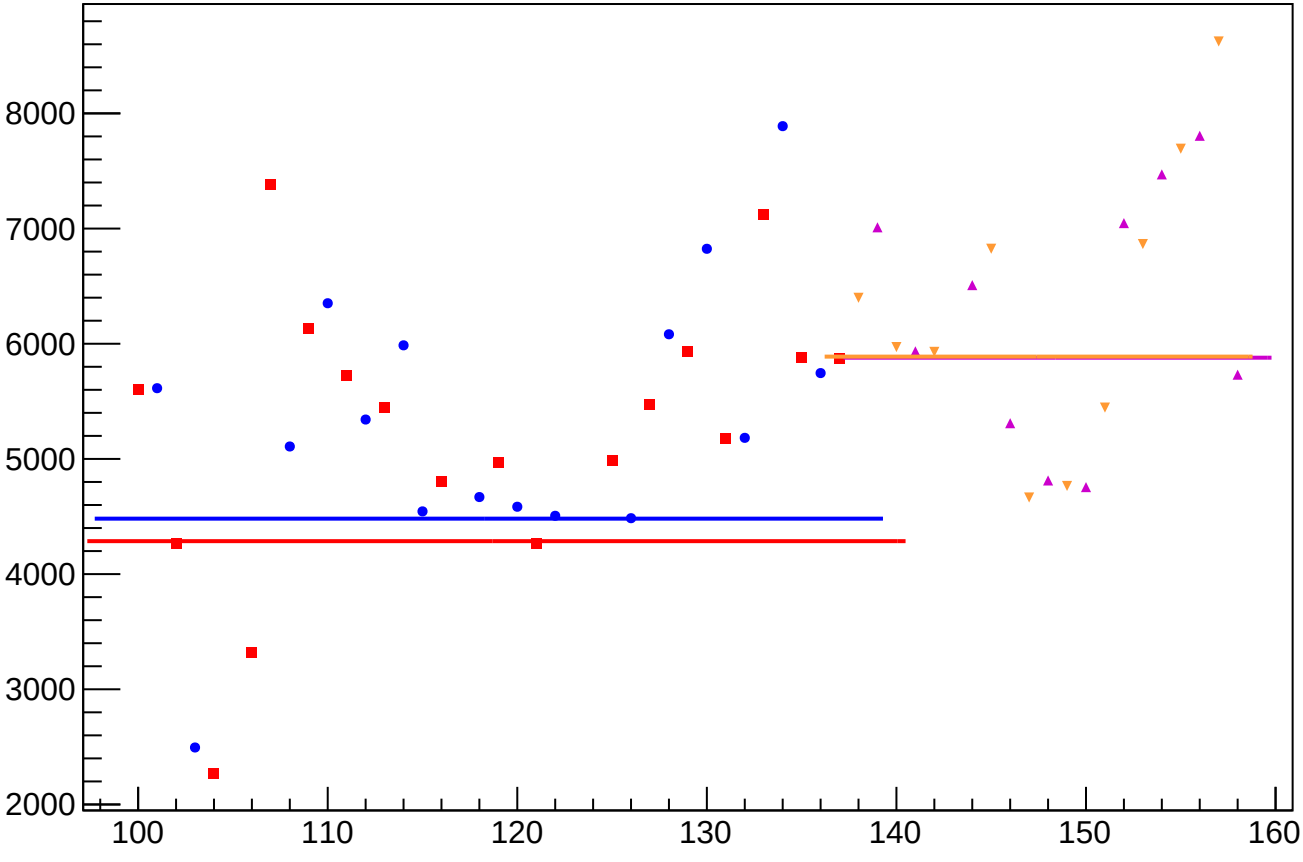
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -105.802+/-1327.528 χ^2/NDF:19.9/25

Out: 475.050+/-1334.676 χ^2/NDF:27.3/27

All: 183.065+/-941.221 χ^2/NDF: 47.3/53

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5888.261+/-1.520 χ^2/NDF:542973.2/9

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5878.892+/-1.432 χ^2/NDF:490938.7/9

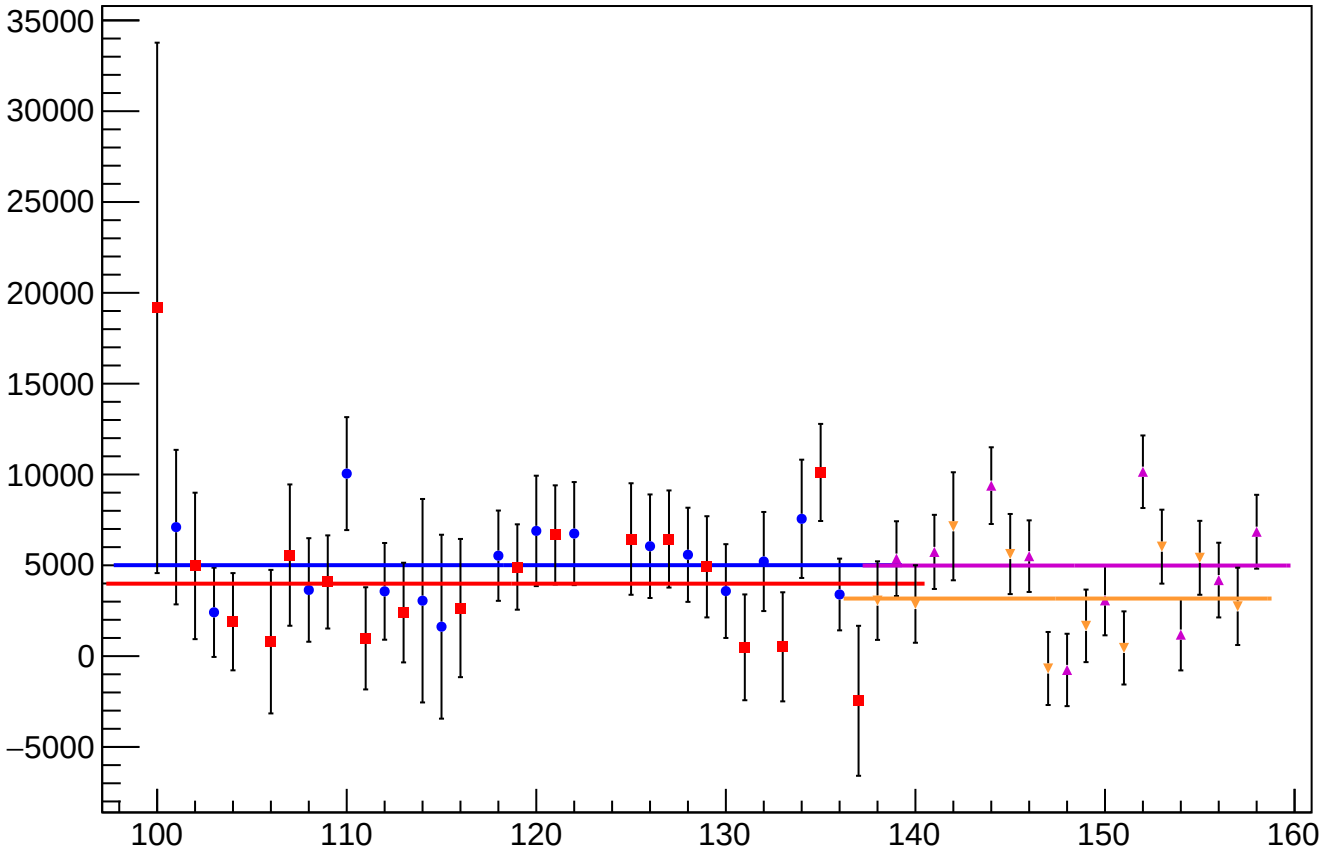
Left: 5883.297+/-1.042 χ^2/NDF: 1033932.0/19

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5081.956+/-0.939 χ^2/NDF:2396236.5/25

Out: 4903.557+/-0.944 χ^2/NDF:2775436.2/27

All: 4993.235+/-0.666 χ^2/NDF: 5189634.8/53



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3169.883+/-674.093 χ^2/NDF:12.3/9

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4987.022+/-636.795 χ^2/NDF:25.3/9

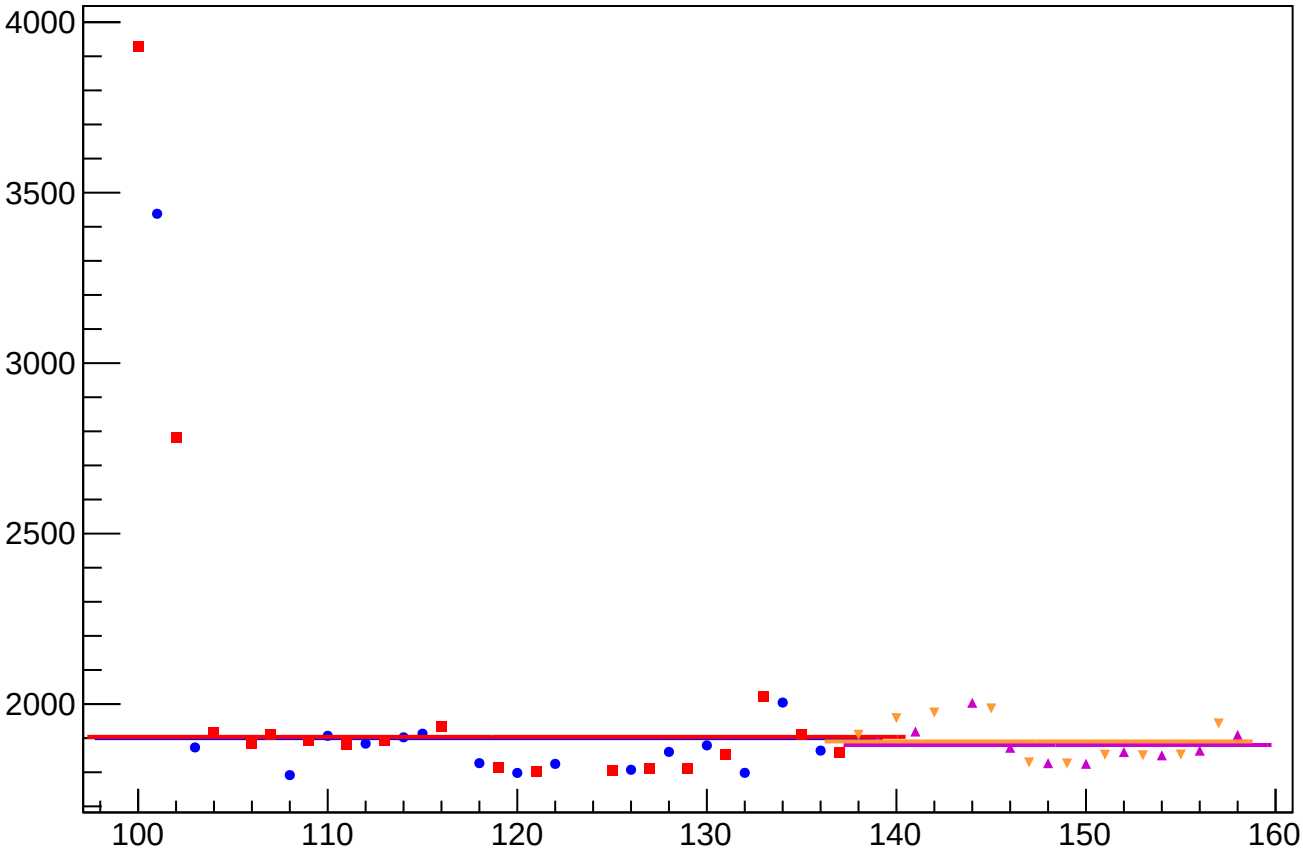
Left: 4130.112+/-462.906 χ^2/NDF: 41.5/19

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4996.012+/-475.261 χ^2/NDF:33.0/25

Out: 3553.140+/-491.773 χ^2/NDF:30.4/27

All: 4299.207+/-341.749 χ^2/NDF: 67.8/53



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1890.393+/-0.477 χ^2/NDF:15160.2/9

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1880.026+/-0.450 χ^2/NDF:12023.1/9

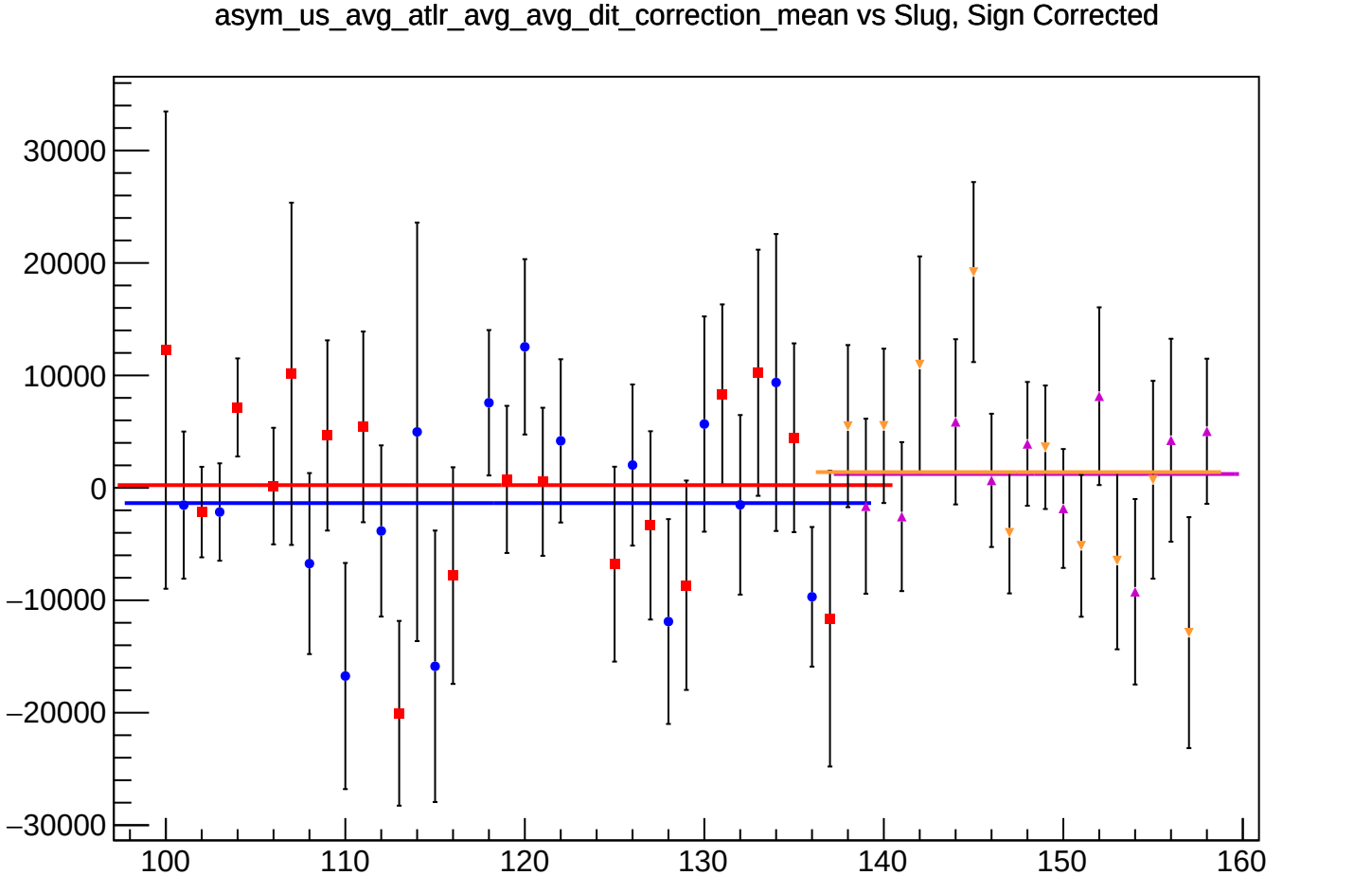
Left: 1884.915+/-0.327 χ^2/NDF: 27433.3/19

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1888.924+/-0.336 χ^2/NDF:291352.7/25

Out: 1896.684+/-0.348 χ^2/NDF:165648.1/27

All: 1892.674+/-0.242 χ^2/NDF: 457258.5/53



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 1399.749+/-2247.382 χ^2/NDF:11.8/9

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1230.434+/-2122.246 χ^2/NDF:4.3/9

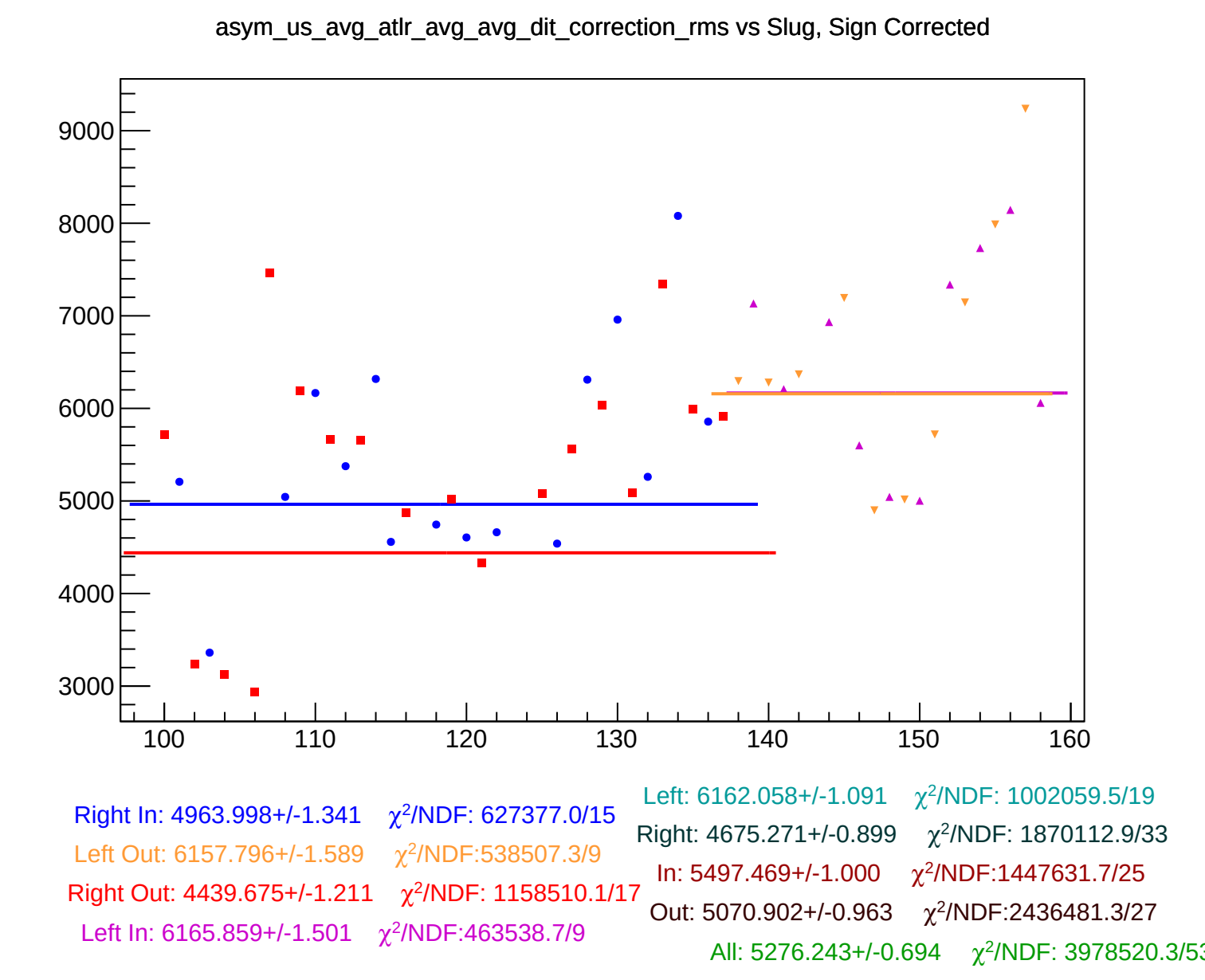
Left: 1310.246+/-1542.997 χ^2/NDF: 16.1/19

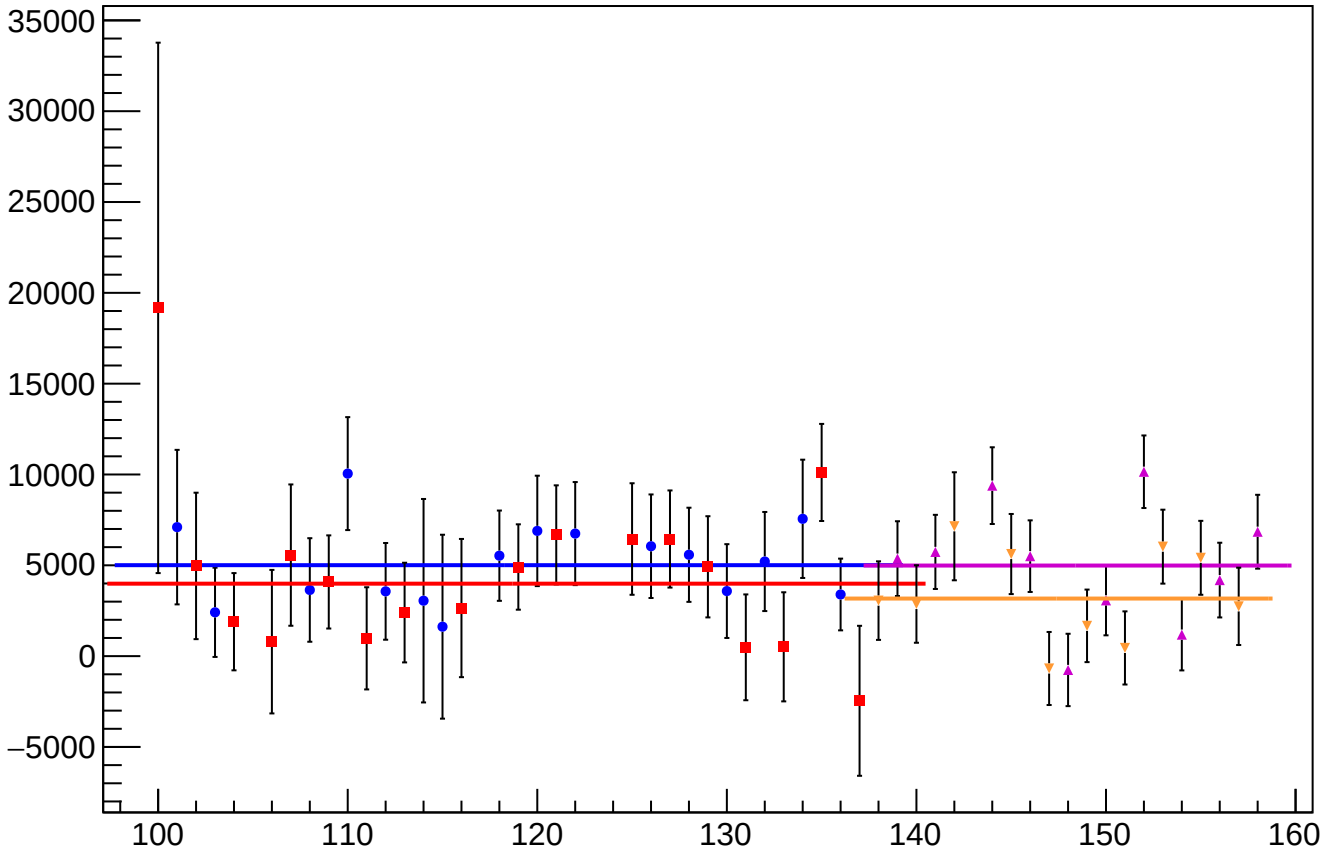
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -208.300+/-1413.917 χ^2/NDF:19.8/25

Out: 666.814+/-1362.207 χ^2/NDF:27.7/27

All: 245.552+/-980.997 χ^2/NDF: 47.7/53


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6157.796+/-1.589 χ²/NDF:538507.3/9
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 6165.859+/-1.501 χ²/NDF:463538.7/9
Left: 6162.058+/-1.091 χ²/NDF: 1002059.5/19
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 5497.469+/-1.000 χ²/NDF:1447631.7/25
Out: 5070.902+/-0.963 χ²/NDF:2436481.3/27
All: 5276.243+/-0.694 χ²/NDF: 3978520.3/53



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3169.881+/-674.093 χ^2/NDF:12.3/9

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4987.023+/-636.796 χ^2/NDF:25.3/9

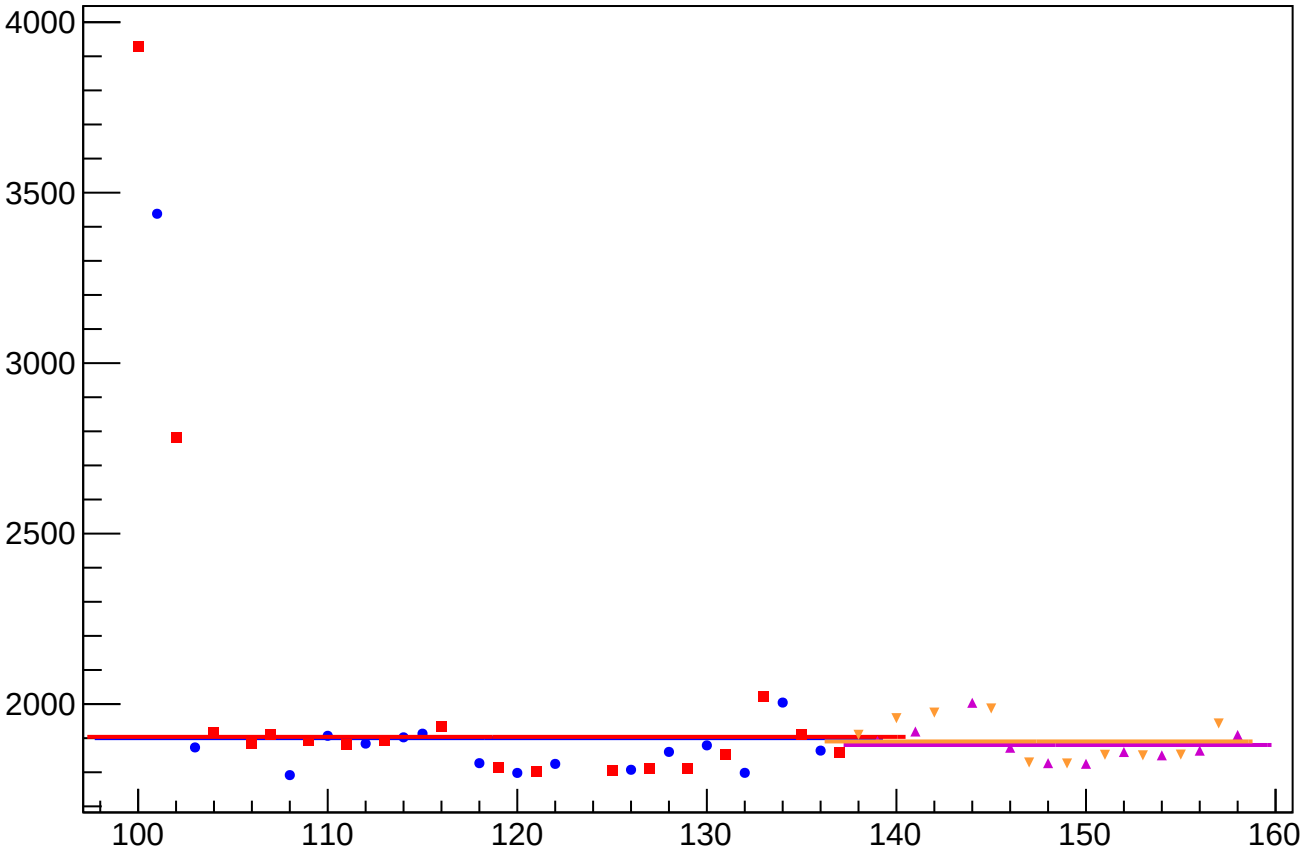
Left: 4130.112+/-462.907 χ^2/NDF: 41.5/19

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4996.012+/-475.261 χ^2/NDF:33.0/25

Out: 3553.139+/-491.773 χ^2/NDF:30.4/27

All: 4299.206+/-341.749 χ^2/NDF: 67.8/53



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1890.394+/-0.477 χ^2/NDF:15160.5/9

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1880.028+/-0.450 χ^2/NDF:12023.3/9

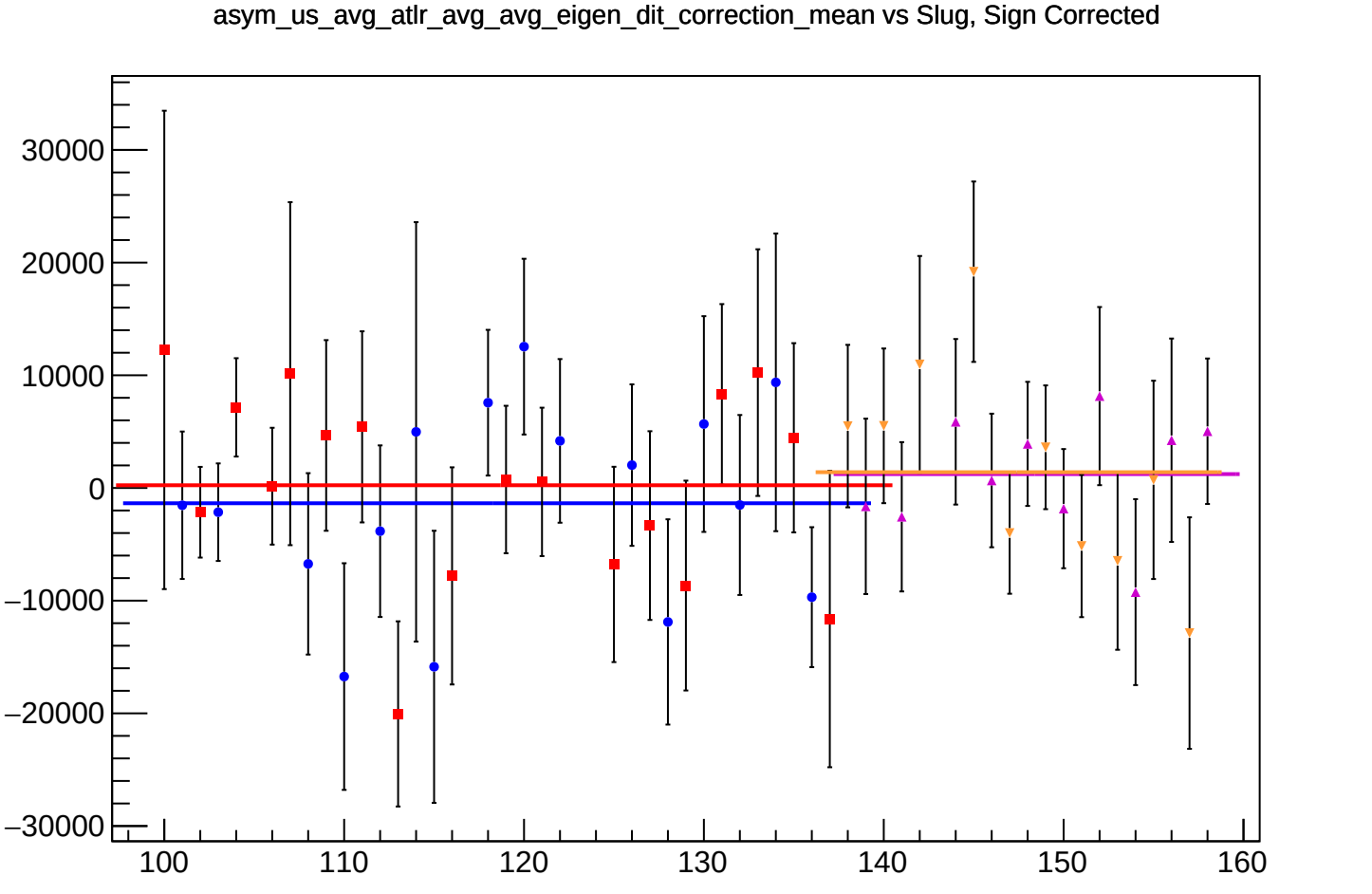
Left: 1884.916+/-0.327 χ^2/NDF: 27433.7/19

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1888.924+/-0.336 χ^2/NDF:291353.0/25

Out: 1896.685+/-0.348 χ^2/NDF:165647.5/27

All: 1892.674+/-0.242 χ^2/NDF: 457258.2/53



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 1399.742+/-2247.385 χ^2/NDF:11.8/9

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 1230.435+/-2122.249 χ^2/NDF:4.3/9

Left: 1310.244+/-1542.999 χ^2/NDF: 16.1/19

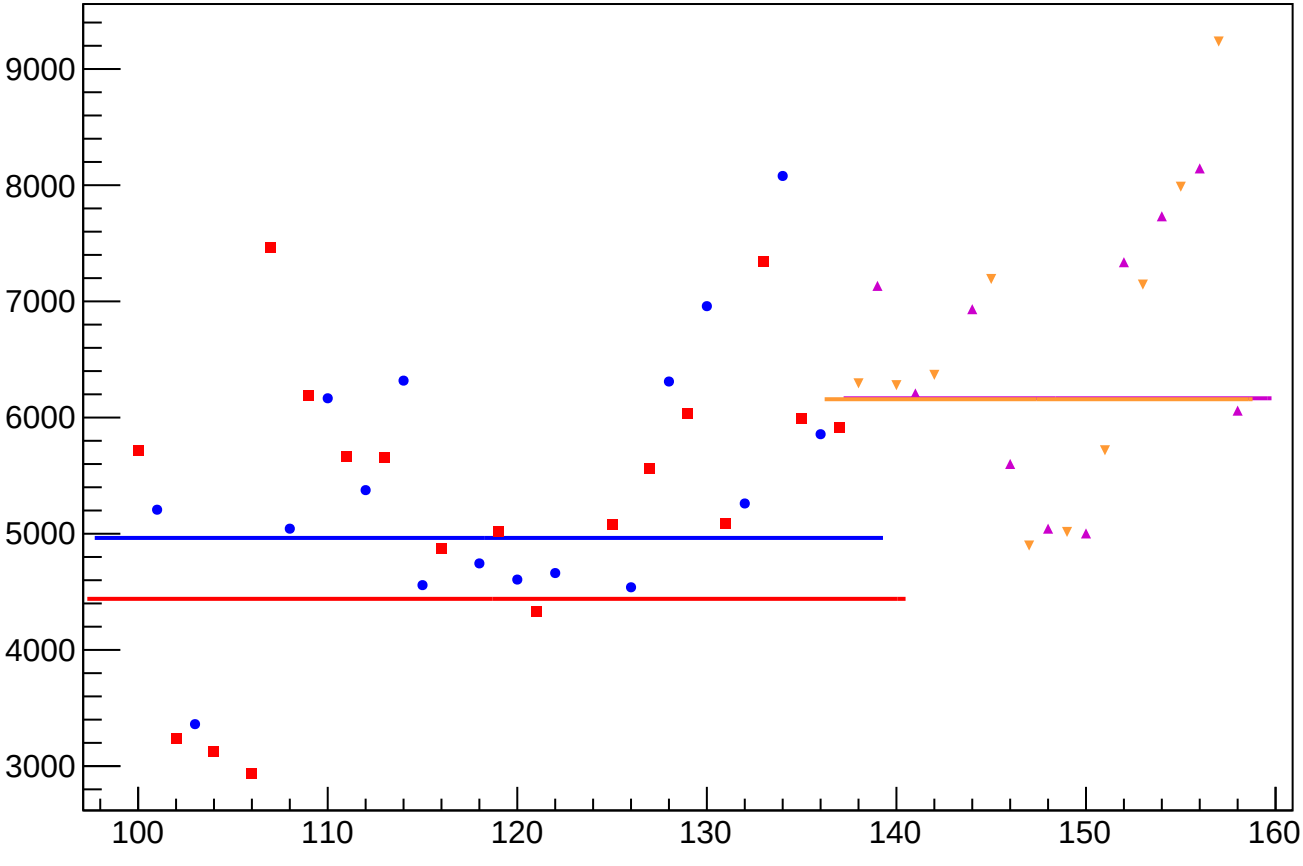
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -208.298+/-1413.916 χ^2/NDF:19.8/25

Out: 666.811+/-1362.205 χ^2/NDF:27.7/27

All: 245.551+/-980.996 χ^2/NDF: 47.7/53

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: 6157.804+/-1.589 χ^2/NDF:538508.6/9

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6165.868+/-1.501 χ^2/NDF:463539.2/9

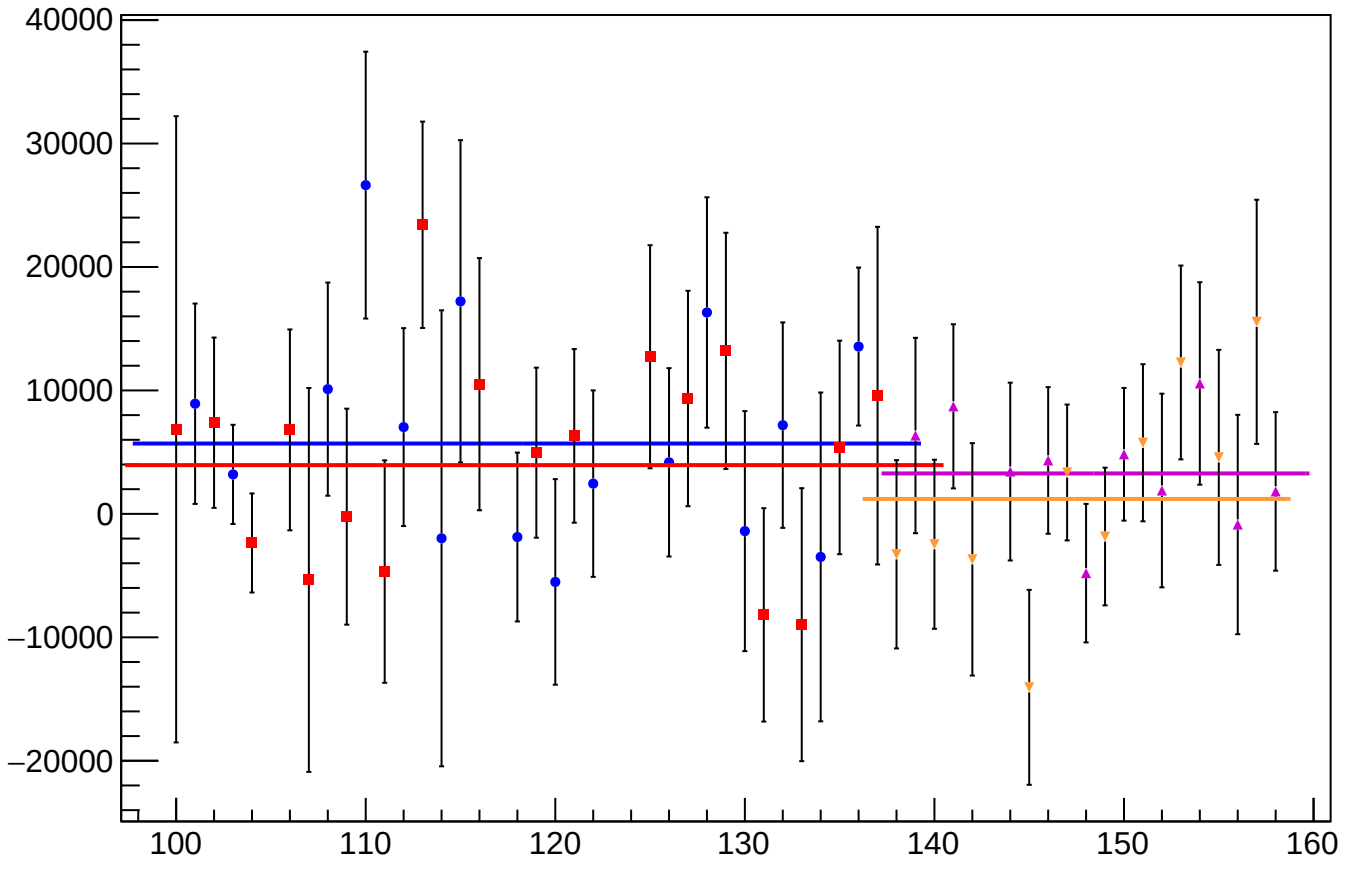
Left: 6162.067+/-1.091 χ^2/NDF: 1002061.4/19

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5497.463+/-1.000 χ^2/NDF:1447647.9/25

Out: 5070.895+/-0.963 χ^2/NDF:2436499.3/27

All: 5276.236+/-0.694 χ^2/NDF: 3978555.3/53



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 1210.769+/-2262.612 χ^2/NDF:9.8/9

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3276.464+/-2128.962 χ^2/NDF:4.1/9

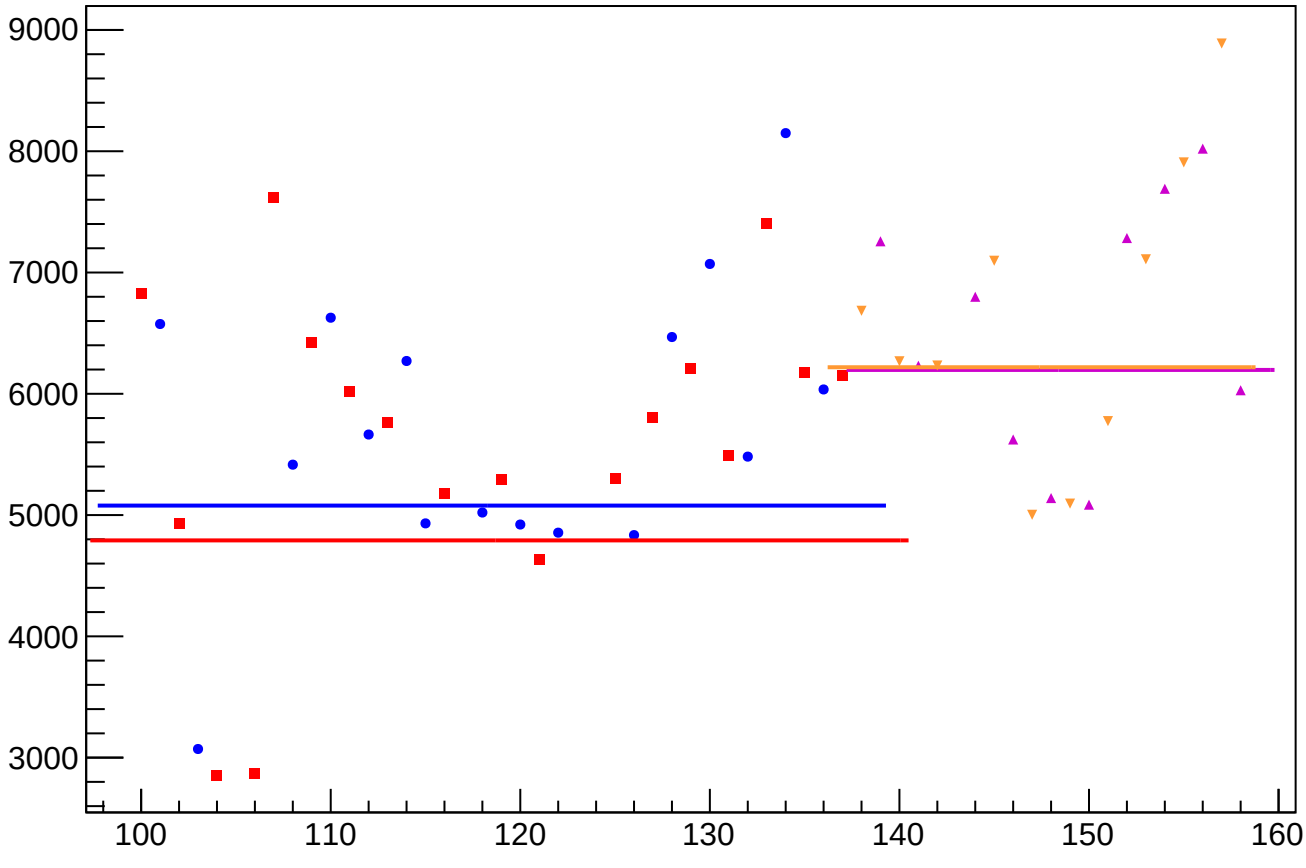
Left: 2306.424+/-1550.500 χ^2/NDF: 14.4/19

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4587.182+/-1441.655 χ^2/NDF:17.4/25

Out: 2802.512+/-1464.209 χ^2/NDF:26.8/27

All: 3708.698+/-1027.285 χ^2/NDF: 45.0/53



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6218.864+/-1.600 χ^2/NDF:467685.3/9

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6196.780+/-1.505 χ^2/NDF:415539.1/9

Left: 6207.151+/-1.096 χ^2/NDF: 883325.4/19

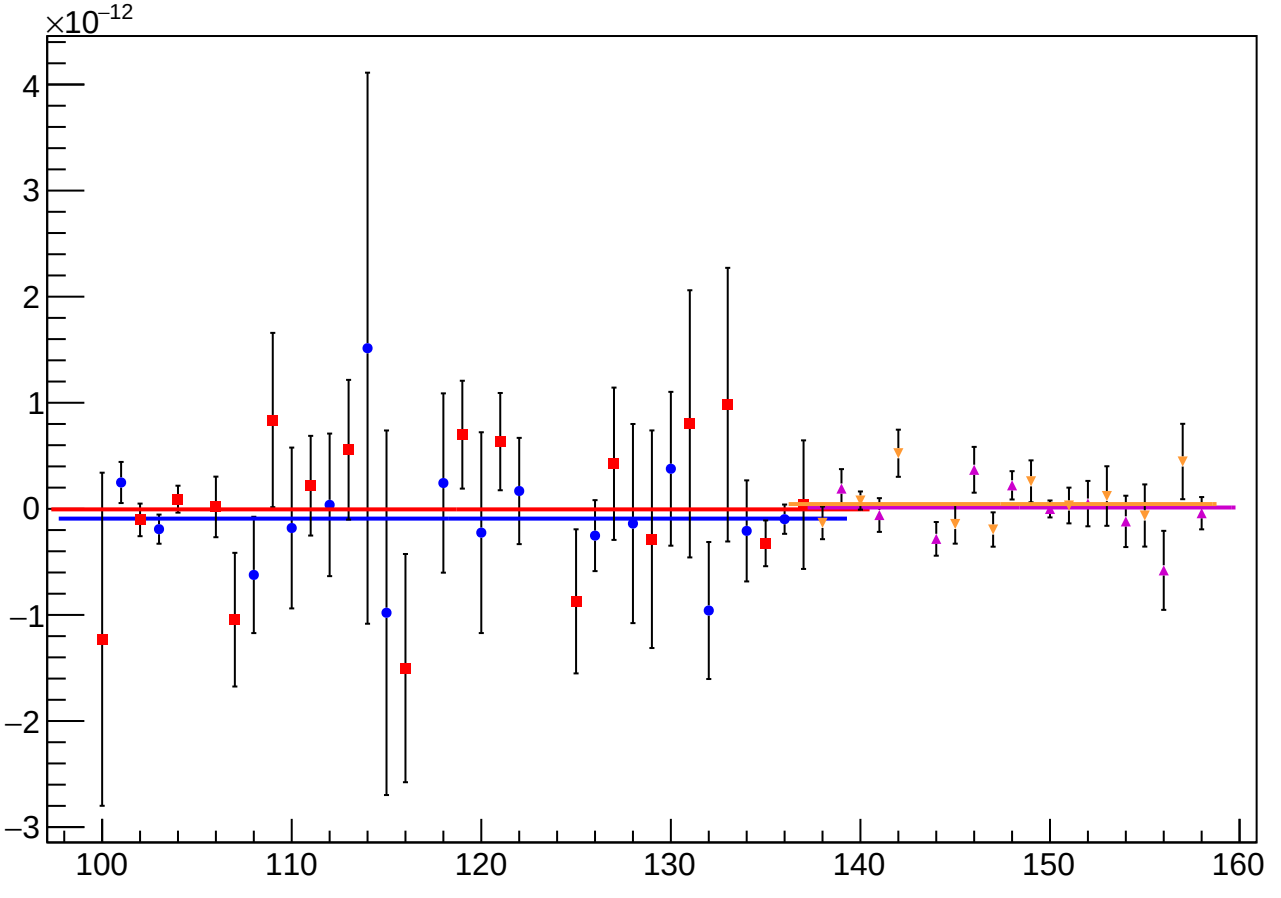
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5591.092+/-1.019 χ^2/NDF:1633718.2/25

Out: 5374.959+/-1.023 χ^2/NDF:2100840.6/27

All: 5483.415+/-0.722 χ^2/NDF: 3756954.2/53

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:12.8/9

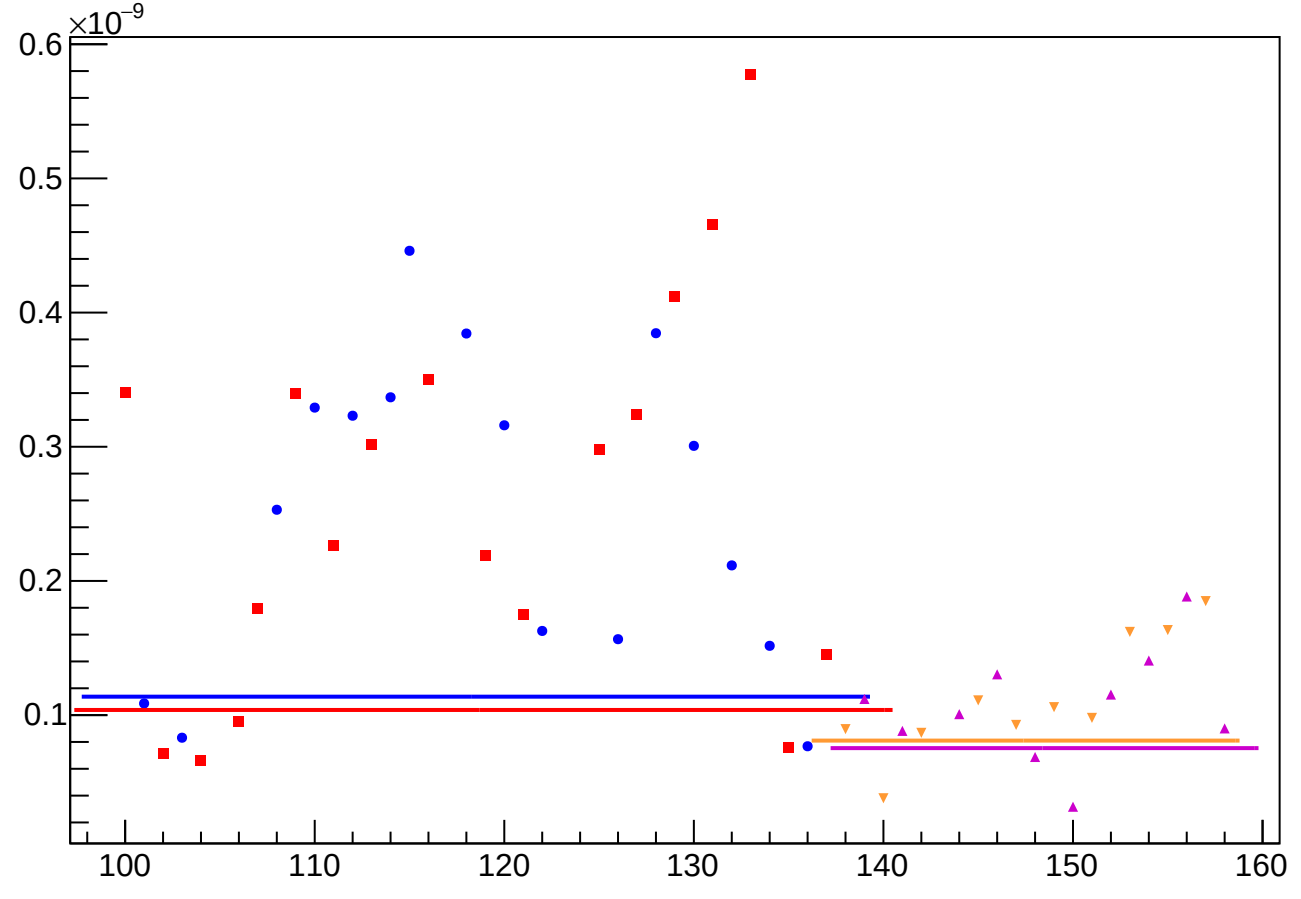
Left: 0.000+/-0.000 χ^2/NDF: 25.0/19

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:22.3/25

Out: 0.000+/-0.000 χ^2/NDF:29.7/27

All: 0.000+/-0.000 χ^2/NDF: 52.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1120041.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1294621.2/9

Left: 0.000+/-0.000 χ^2/NDF: 2427009.2/19

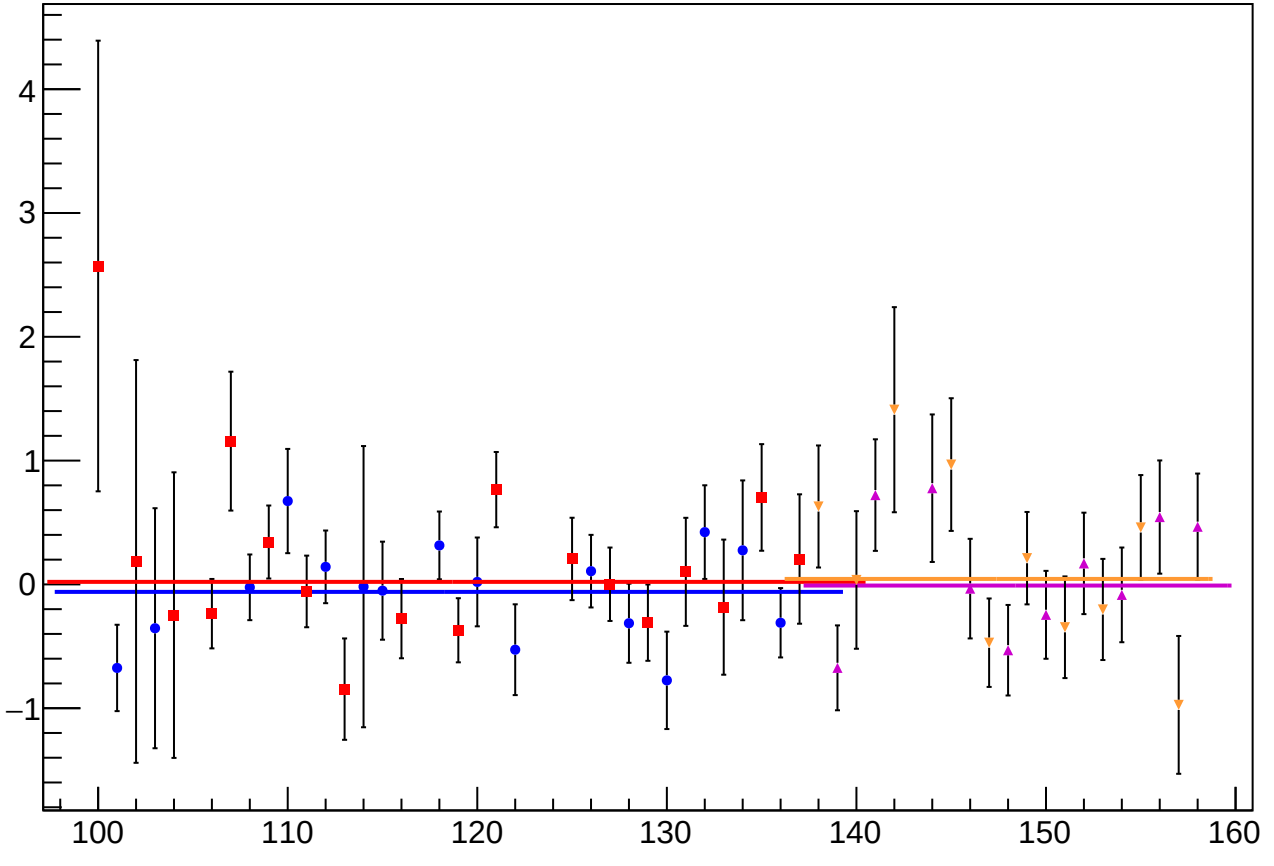
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3170983.7/25

Out: 0.000+/-0.000 χ^2/NDF:3326797.0/27

All: 0.000+/-0.000 χ^2/NDF: 6500735.5/53

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: 0.044+/-0.144 χ^2/NDF:15.0/9

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.128 χ^2/NDF:13.5/9

Left: 0.014+/-0.096 χ^2/NDF: 28.6/19

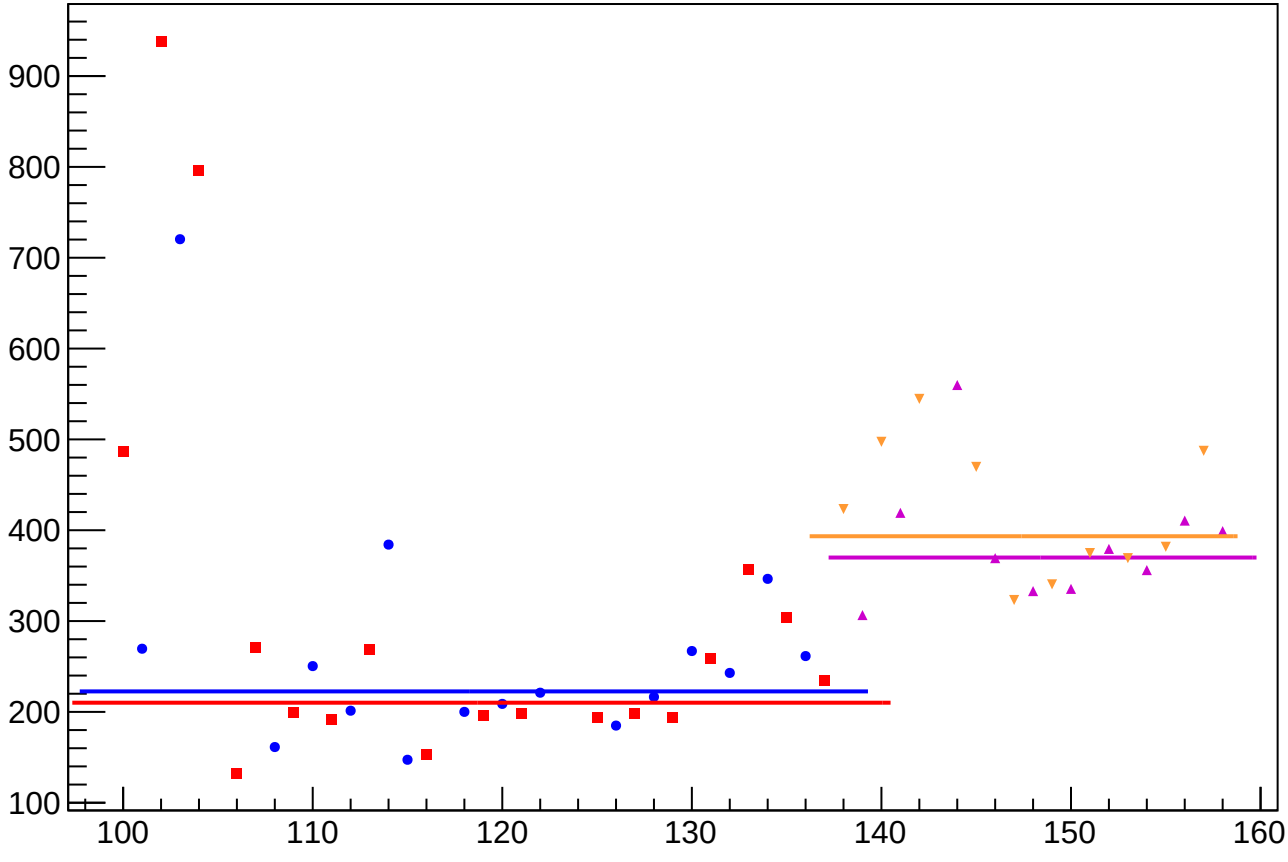
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.044+/-0.073 χ^2/NDF:31.0/25

Out: 0.027+/-0.075 χ^2/NDF:41.1/27

All: -0.009+/-0.052 χ^2/NDF: 72.5/53

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.383+/-0.102 χ^2/NDF:371766.0/9

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 369.938+/-0.091 χ^2/NDF:363331.8/9

Left: 380.283+/-0.068 χ^2/NDF: 764610.4/19

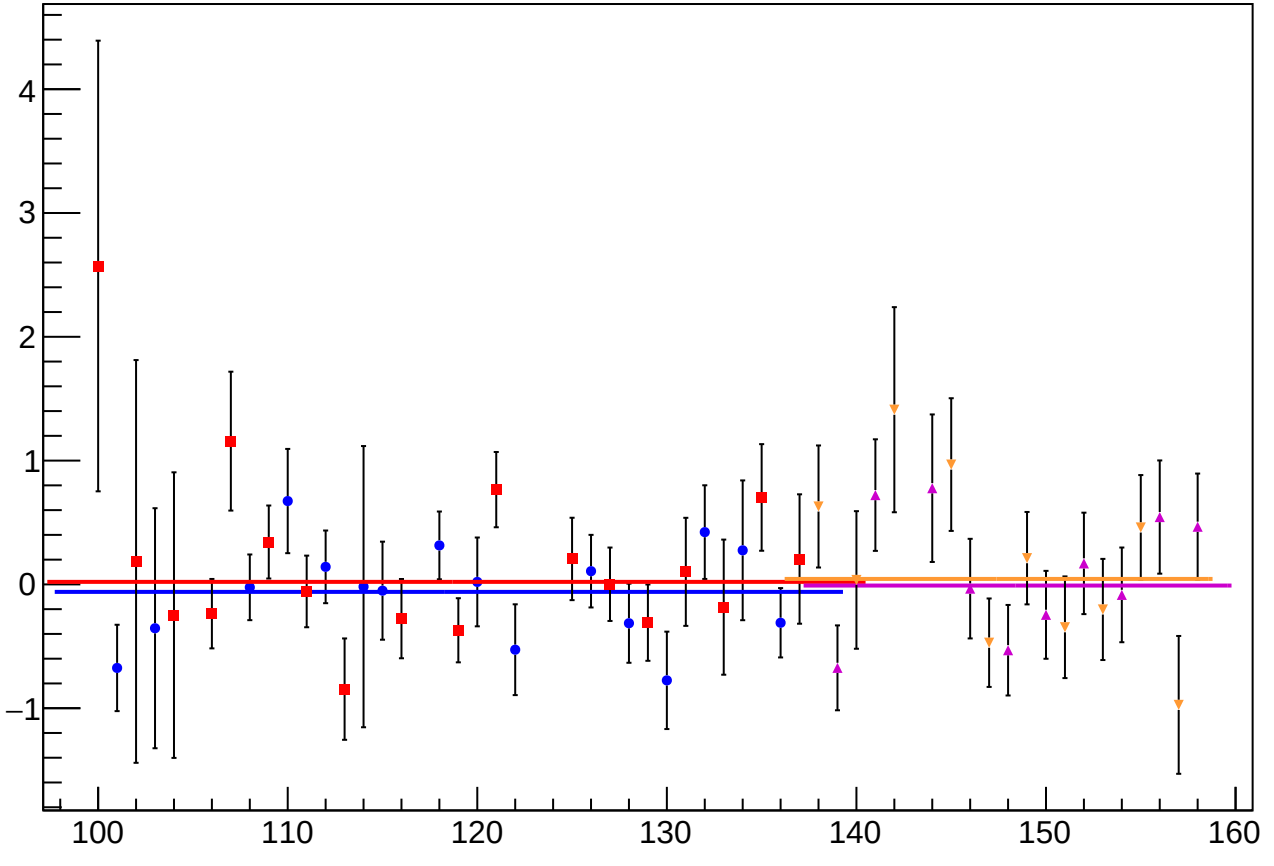
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 270.245+/-0.052 χ^2/NDF:3169846.3/25

Out: 259.347+/-0.053 χ^2/NDF:4280552.4/27

All: 264.932+/-0.037 χ^2/NDF: 7472175.4/53

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: 0.044+/-0.144 χ^2/NDF:15.0/9

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.128 χ^2/NDF:13.5/9

Left: 0.014+/-0.096 χ^2/NDF: 28.6/19

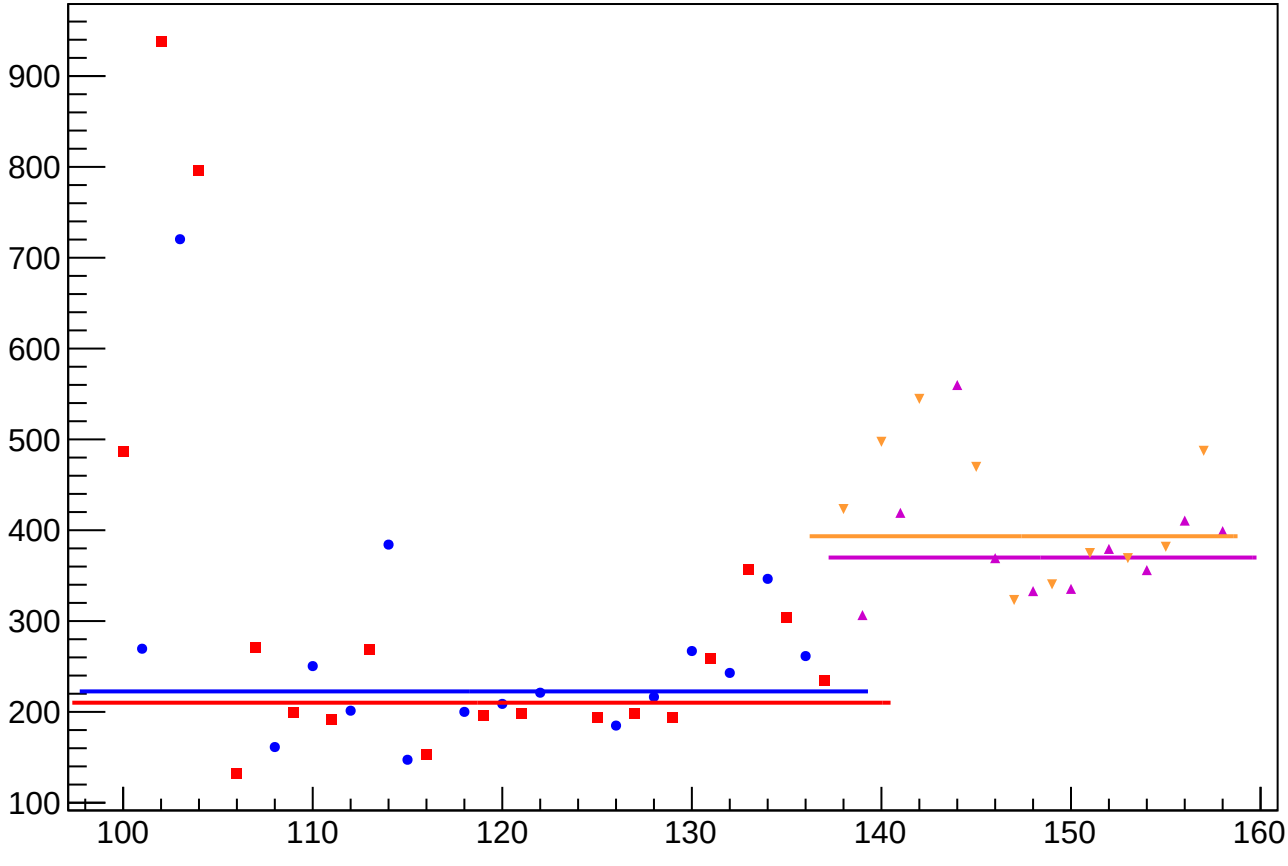
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.044+/-0.073 χ^2/NDF:31.0/25

Out: 0.027+/-0.075 χ^2/NDF:41.1/27

All: -0.009+/-0.052 χ^2/NDF: 72.5/53

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.383+/-0.102 χ^2/NDF:371766.0/9

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 369.938+/-0.091 χ^2/NDF:363331.8/9

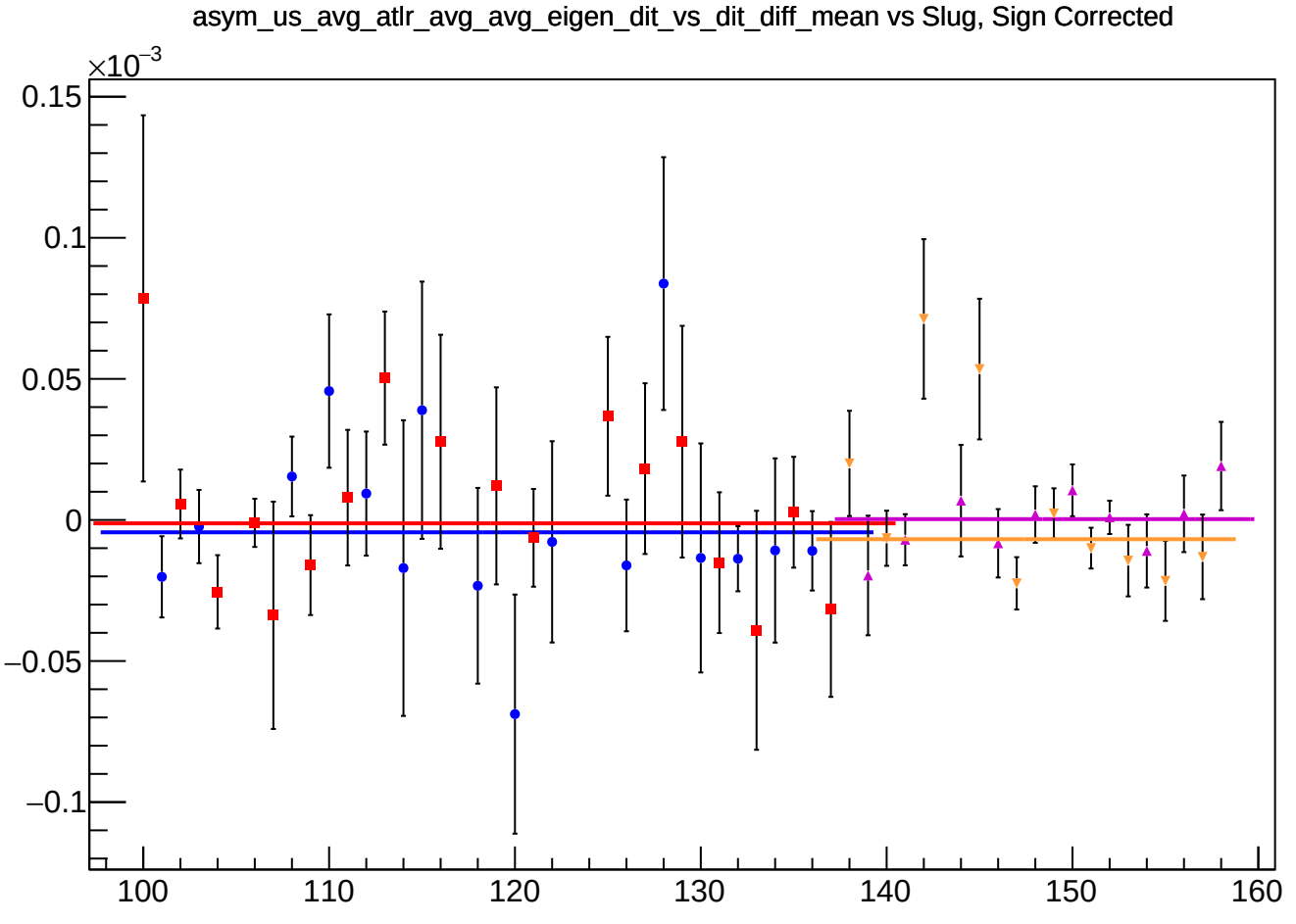
Left: 380.283+/-0.068 χ^2/NDF: 764610.4/19

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 270.245+/-0.052 χ^2/NDF:3169846.3/25

Out: 259.347+/-0.053 χ^2/NDF:4280552.4/27

All: 264.932+/-0.037 χ^2/NDF: 7472175.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:5.6/9

Left: -0.000+/-0.000 χ^2/NDF: 29.0/19

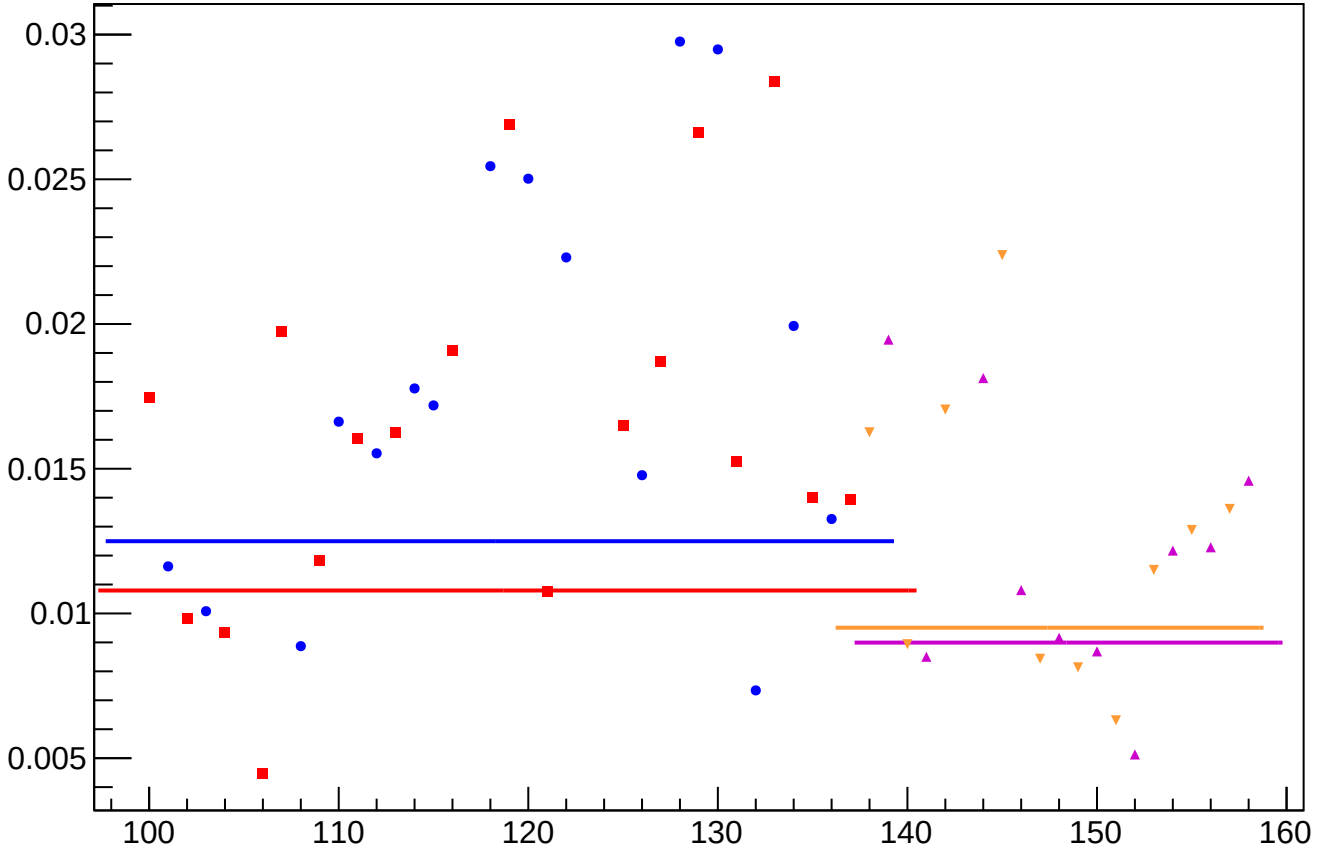
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:21.9/25

Out: -0.000+/-0.000 χ^2/NDF:39.4/27

All: -0.000+/-0.000 χ^2/NDF: 62.1/53

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1722892.4/9

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:2318628.6/9

Left: 0.009+/-0.000 χ^2/NDF: 4063247.7/19

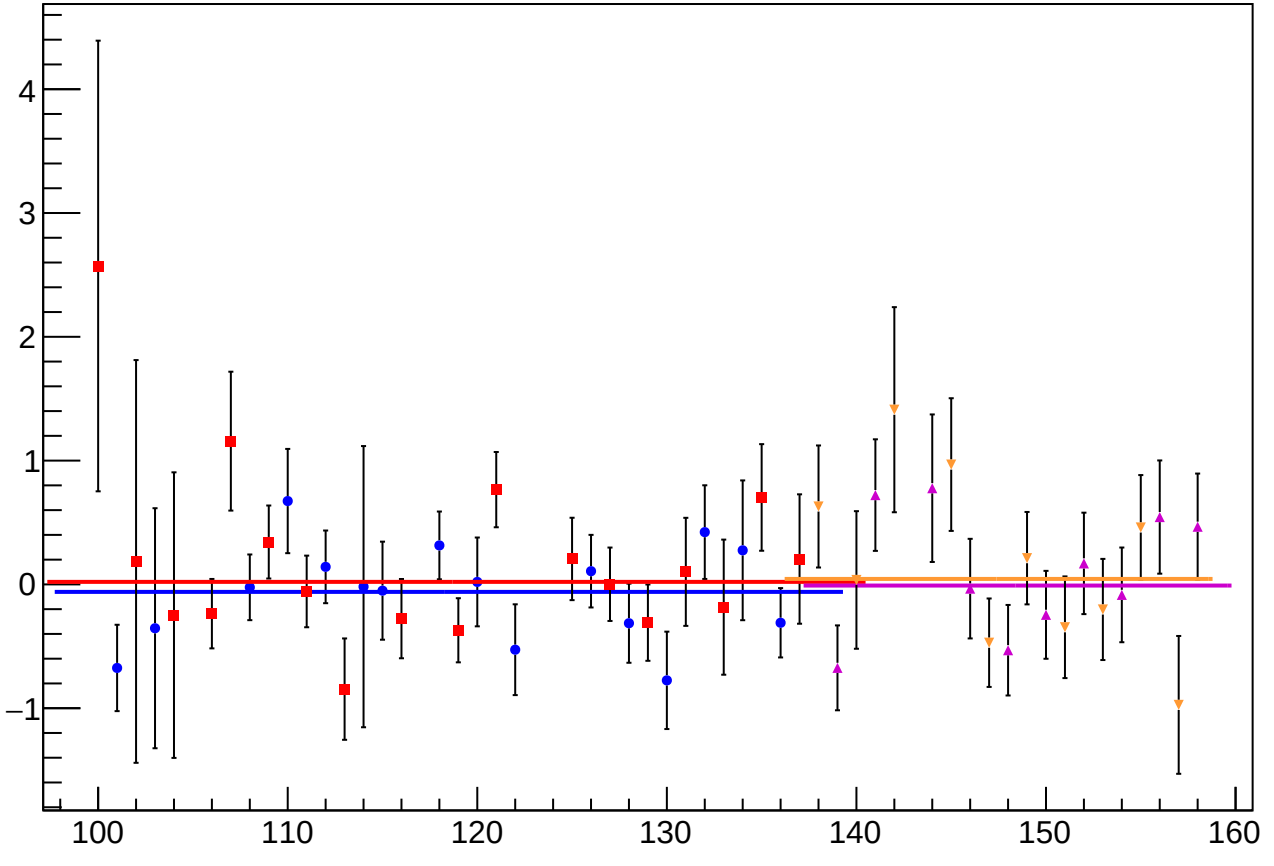
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:5096885.9/25

Out: 0.010+/-0.000 χ^2/NDF:4806940.4/27

All: 0.010+/-0.000 χ^2/NDF: 9904049.3/53

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: 0.044+/-0.144 χ^2/NDF:15.0/9

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.128 χ^2/NDF:13.5/9

Left: 0.014+/-0.096 χ^2/NDF: 28.6/19

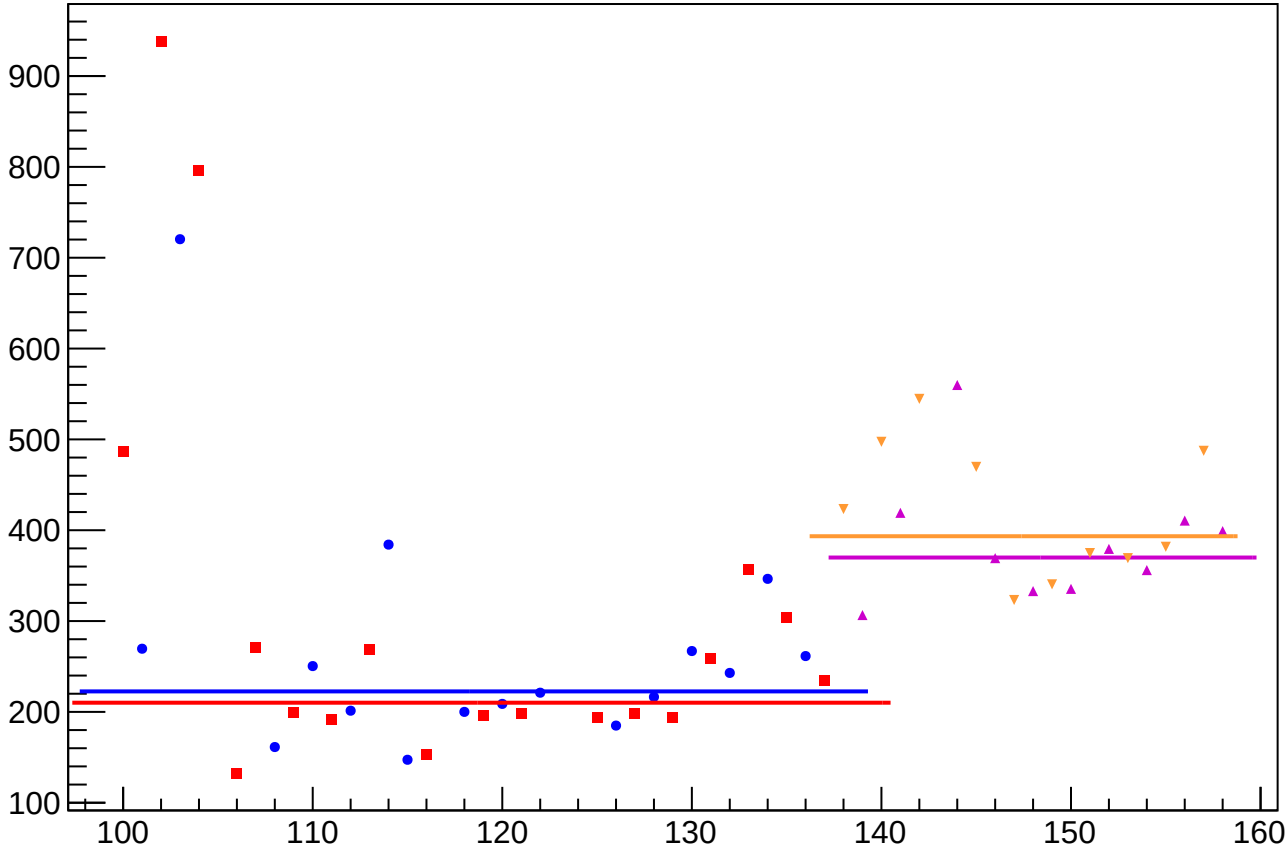
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.044+/-0.073 χ^2/NDF:31.0/25

Out: 0.027+/-0.075 χ^2/NDF:41.1/27

All: -0.009+/-0.052 χ^2/NDF: 72.5/53

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.388+/-0.102 χ^2/NDF:371769.2/9

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 369.944+/-0.091 χ^2/NDF:363324.8/9

Left: 380.288+/-0.068 χ^2/NDF: 764604.4/19

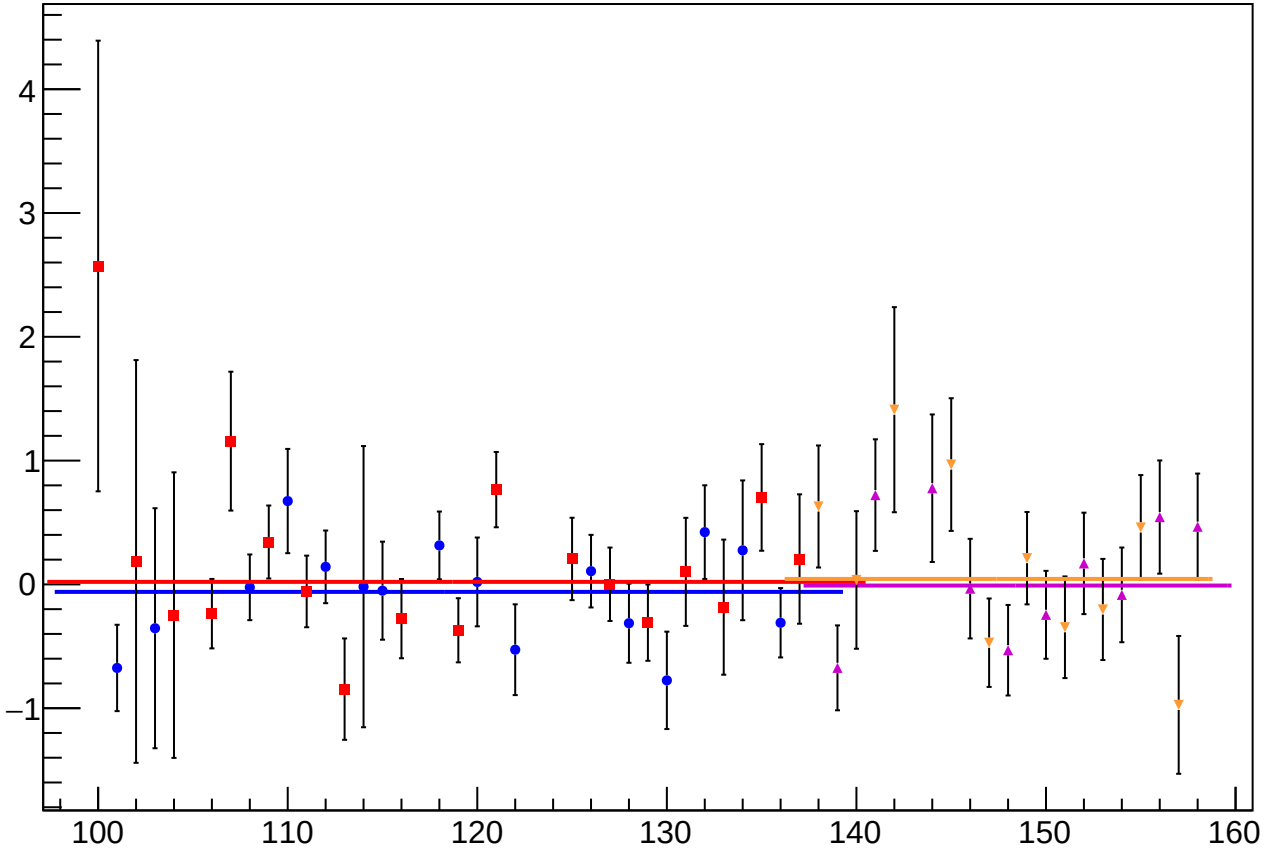
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 270.244+/-0.052 χ^2/NDF:3169977.7/25

Out: 259.344+/-0.053 χ^2/NDF:4280706.3/27

All: 264.931+/-0.037 χ^2/NDF: 7472467.0/53

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: 0.044+/-0.144 χ^2/NDF:15.0/9

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.128 χ^2/NDF:13.5/9

Left: 0.014+/-0.096 χ^2/NDF: 28.6/19

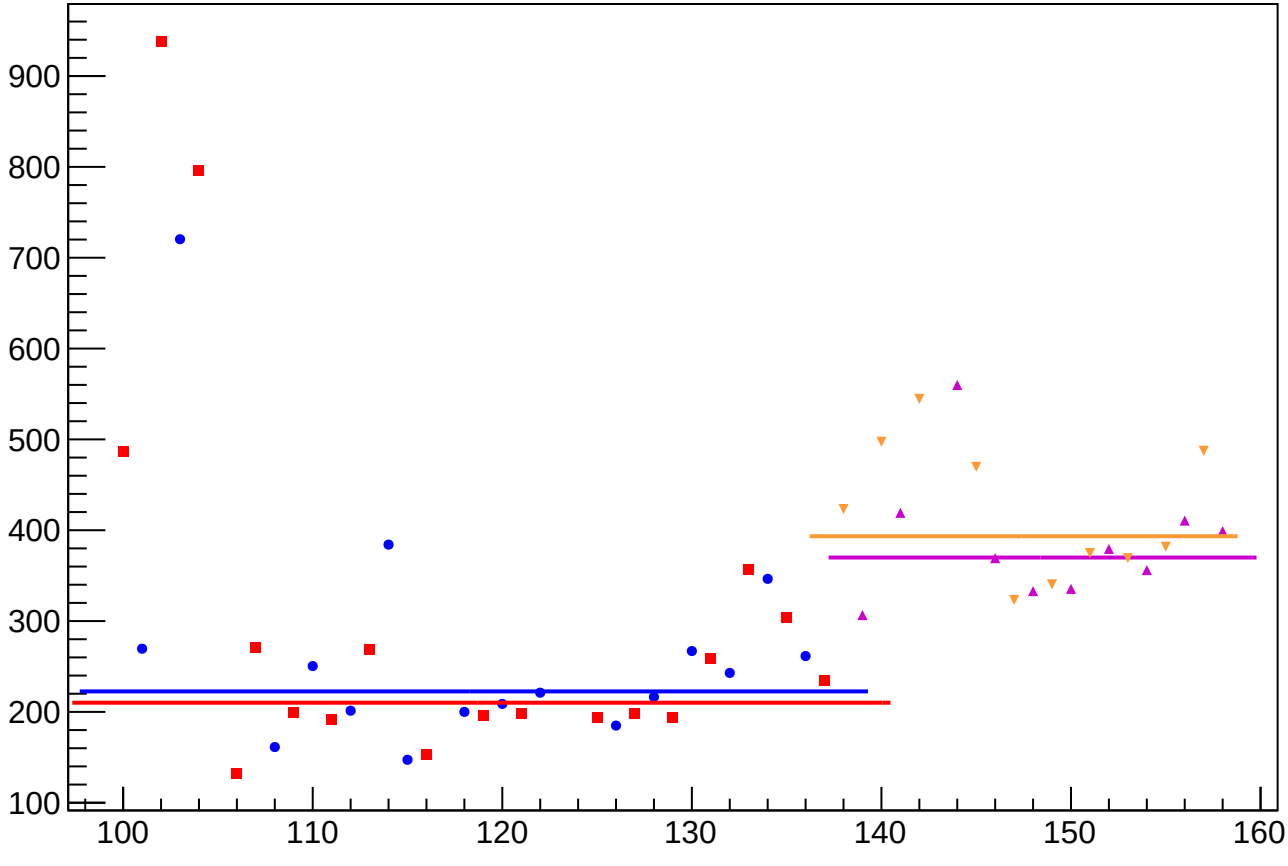
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.044+/-0.073 χ^2/NDF:31.0/25

Out: 0.027+/-0.075 χ^2/NDF:41.1/27

All: -0.009+/-0.052 χ^2/NDF: 72.5/53

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.388+/-0.102 χ^2/NDF:371769.2/9

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 369.944+/-0.091 χ^2/NDF:363324.8/9

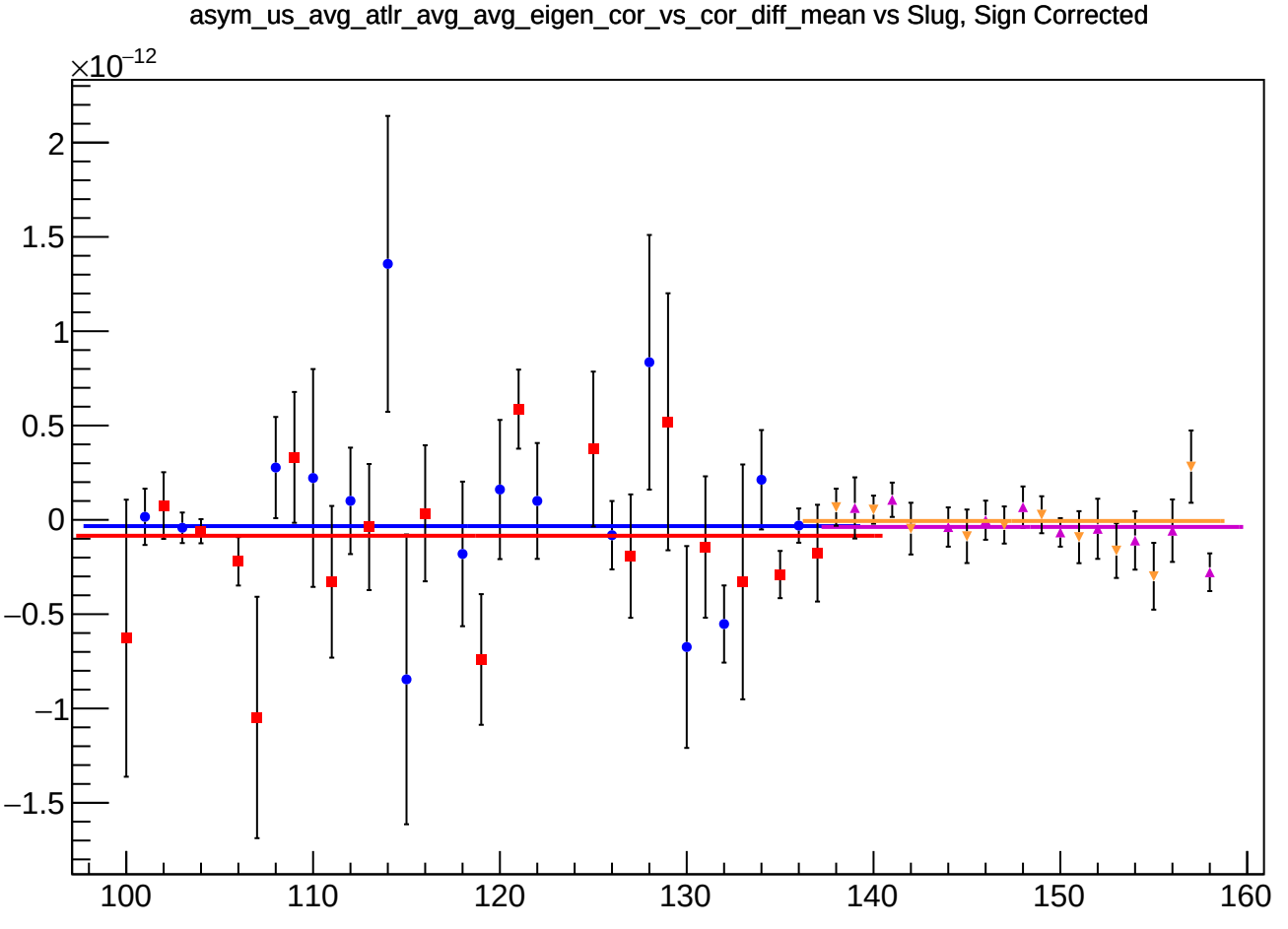
Left: 380.288+/-0.068 χ^2/NDF: 764604.4/19

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 270.244+/-0.052 χ^2/NDF:3169977.7/25

Out: 259.344+/-0.053 χ^2/NDF:4280706.3/27

All: 264.931+/-0.037 χ^2/NDF: 7472467.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.1/9

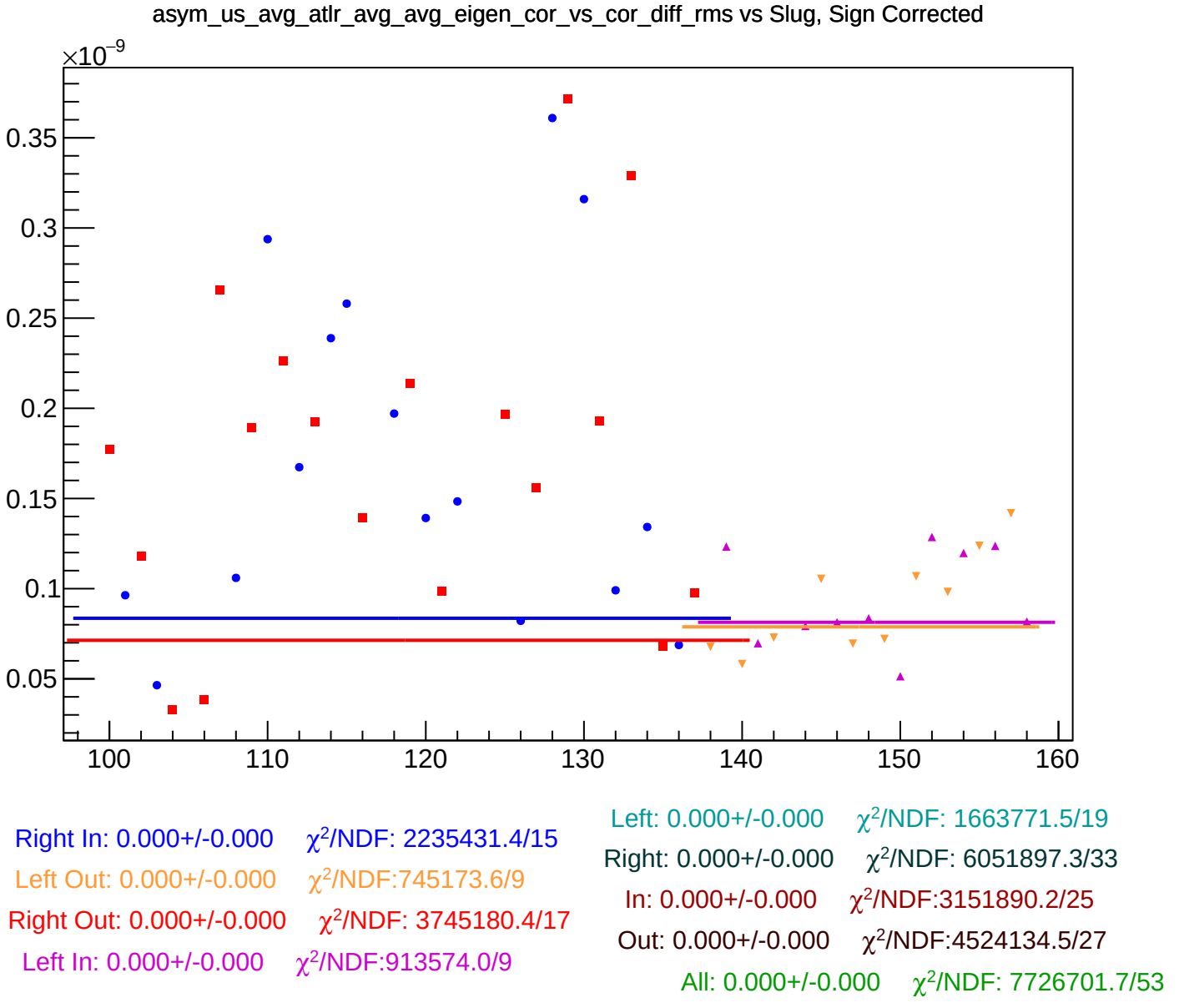
Left: -0.000+/-0.000 χ^2/NDF: 18.8/19

Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:27.3/25

Out: -0.000+/-0.000 χ^2/NDF:36.0/27

All: -0.000+/-0.000 χ^2/NDF: 63.4/53


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
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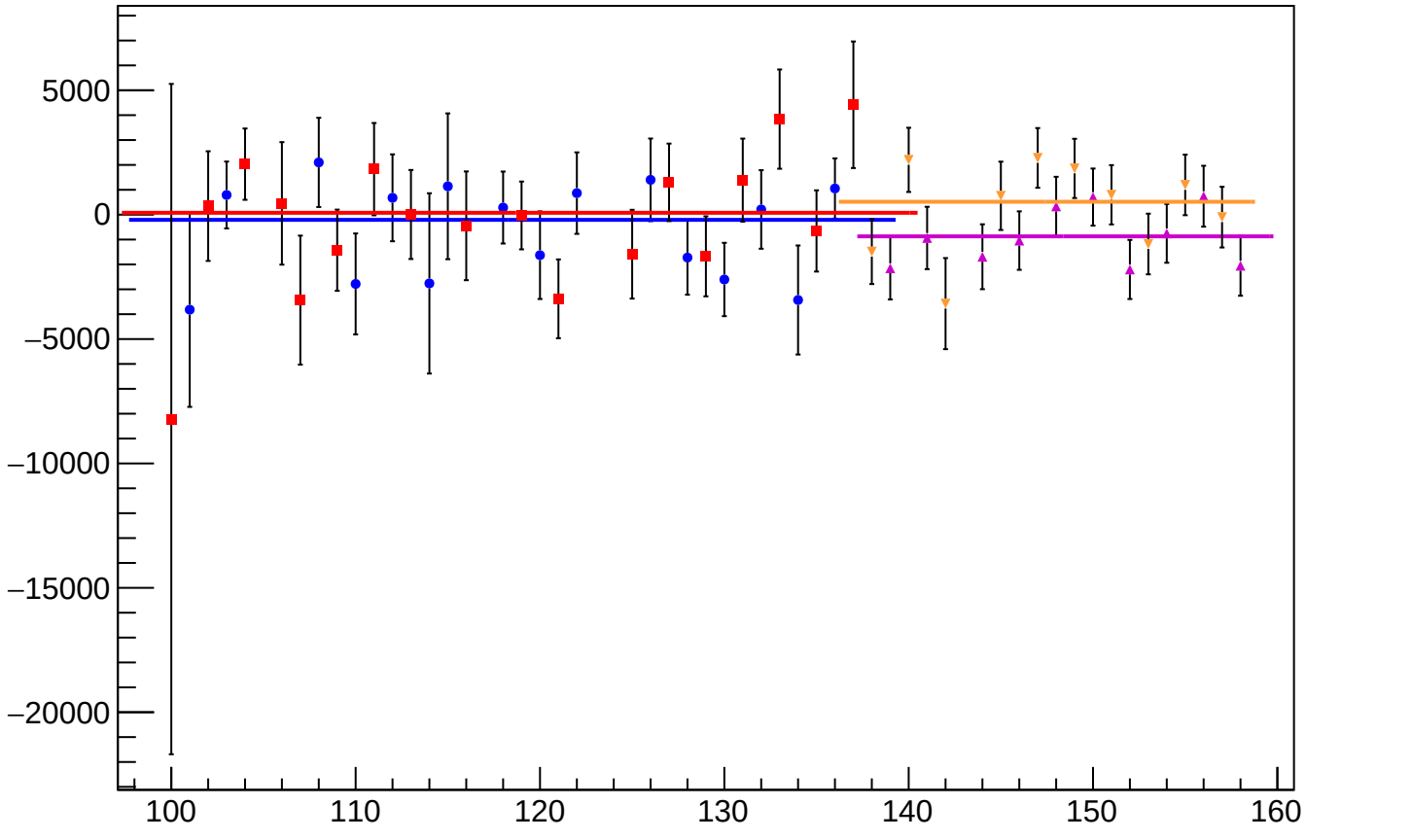
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:745173.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:913574.0/9
Left: 0.000+/-0.000 χ²/NDF: 1663771.5/19
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3151890.2/25
Out: 0.000+/-0.000 χ²/NDF:4524134.5/27
All: 0.000+/-0.000 χ²/NDF: 7726701.7/53



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 519.120+/-403.530 χ^2/NDF:15.1/9

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -871.854+/-382.605 χ^2/NDF:8.3/9

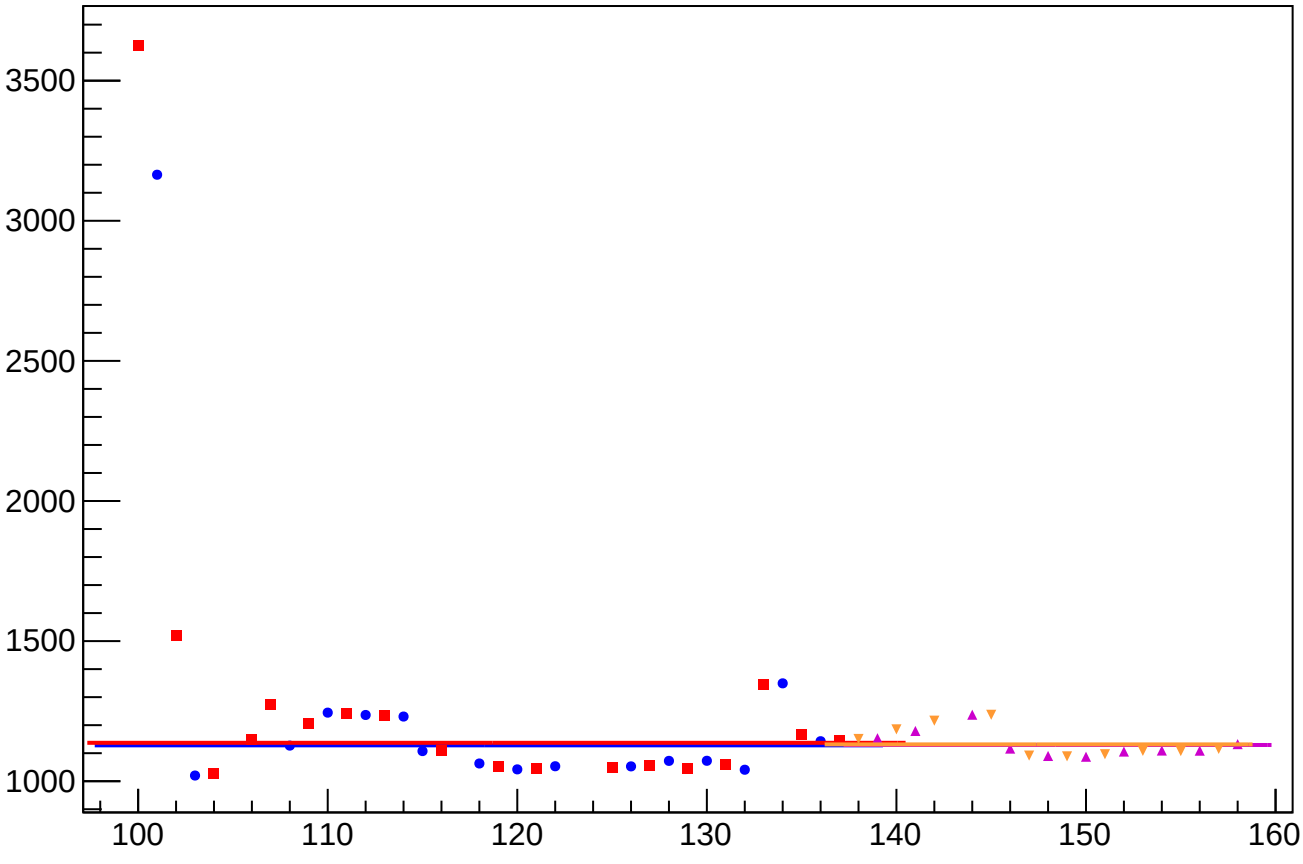
Left: -213.364+/-277.646 χ^2/NDF: 29.7/19

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -578.019+/-285.588 χ^2/NDF:24.4/25

Out: 311.828+/-294.495 χ^2/NDF:36.3/27

All: -146.757+/-205.018 χ^2/NDF: 65.5/53



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1131.337+/-0.285 χ^2/NDF:28385.2/9

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

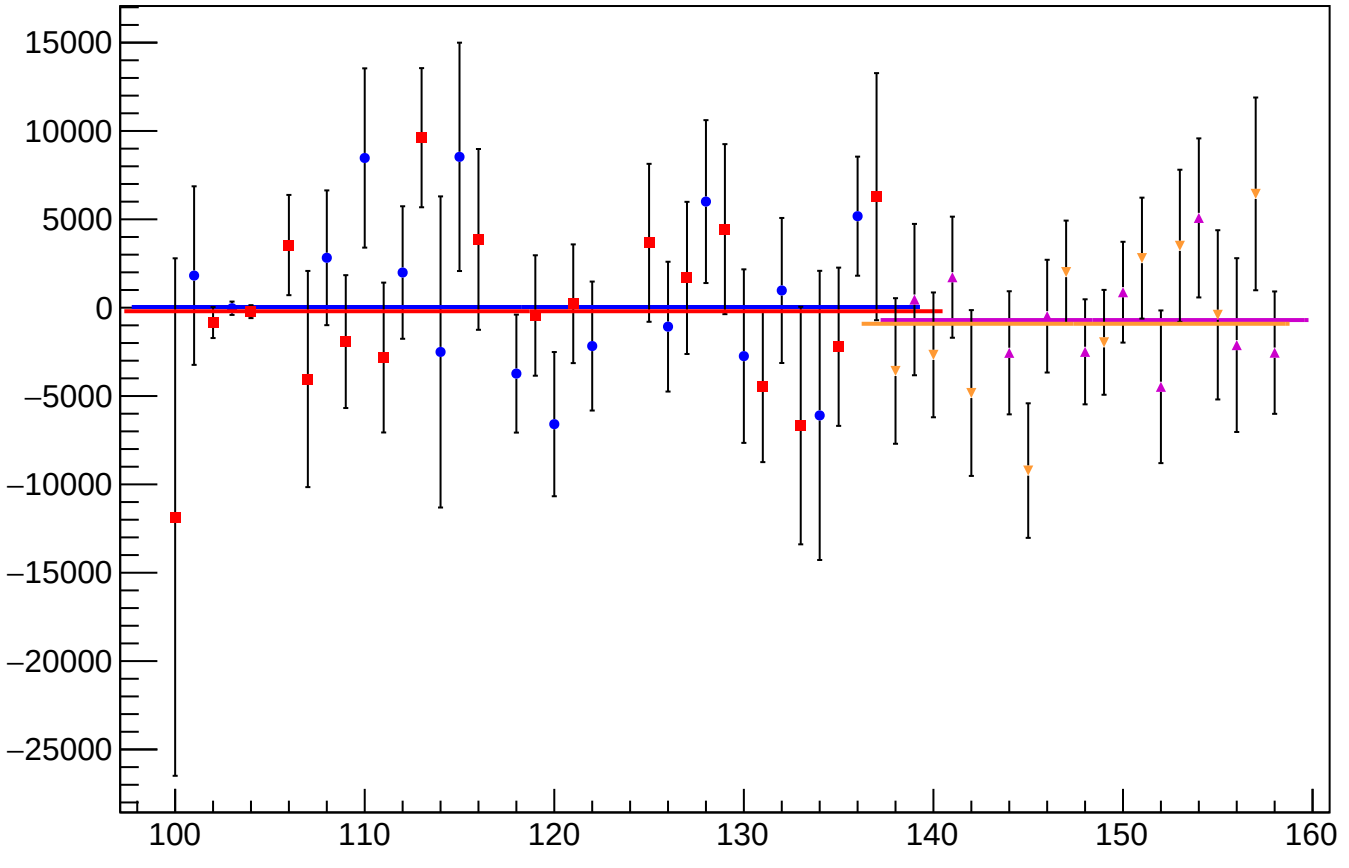
Left: 1130.242+/-0.196 χ^2/NDF: 53065.4/19

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1128.704+/-0.202 χ^2/NDF:646056.2/25

Out: 1134.008+/-0.208 χ^2/NDF:248658.5/27

All: 1131.277+/-0.145 χ^2/NDF: 895049.4/53



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -910.935+/-1194.033 χ^2/NDF:11.3/9

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -700.799+/-1129.279 χ^2/NDF:4.3/9

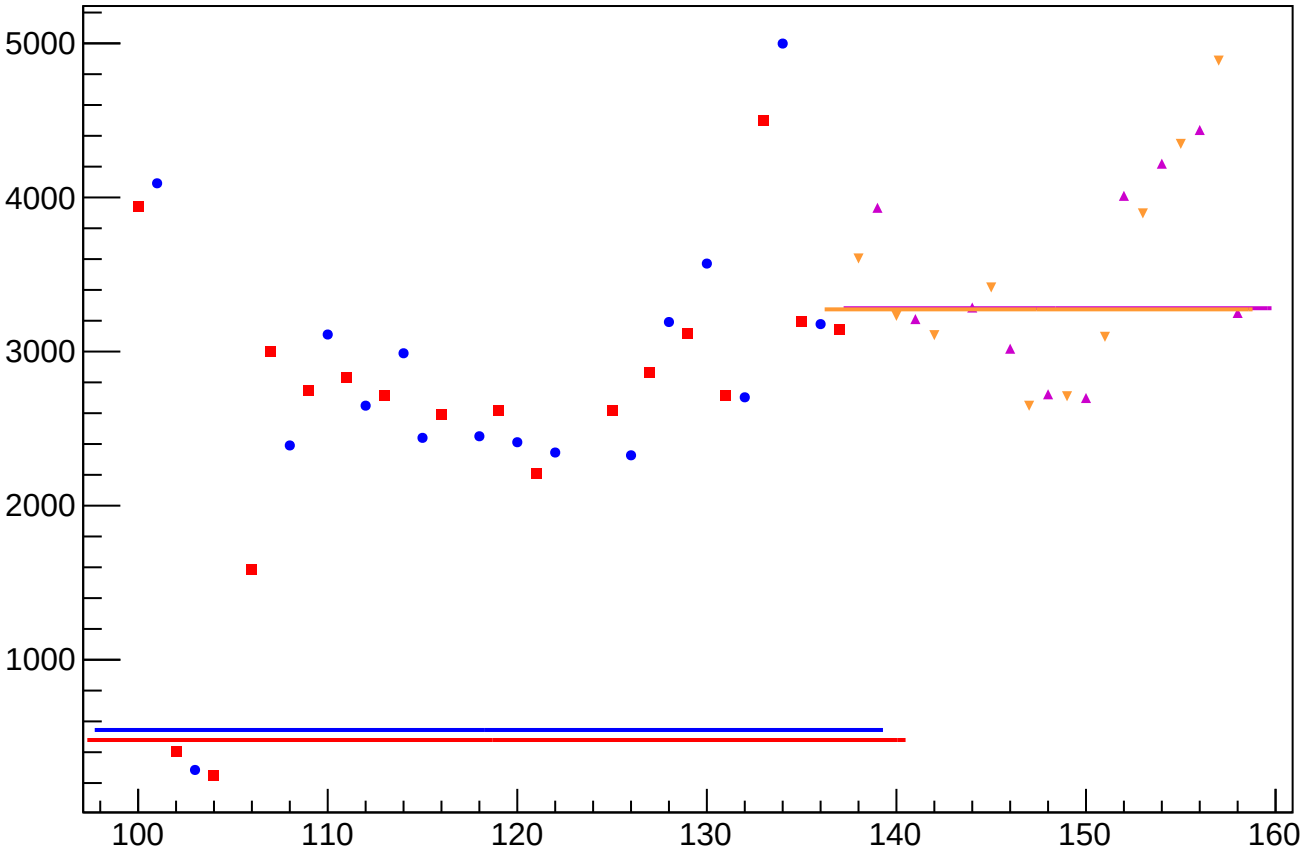
Left: -800.015+/-820.458 χ^2/NDF: 15.6/19

Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: -29.076+/-340.960 χ^2/NDF:19.5/25

Out: -249.879+/-311.384 χ^2/NDF:27.3/27

All: -149.468+/-229.928 χ^2/NDF: 47.0/53



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3273.847+/-0.844 χ^2/NDF:505889.1/9

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3281.221+/-0.799 χ^2/NDF:469429.8/9

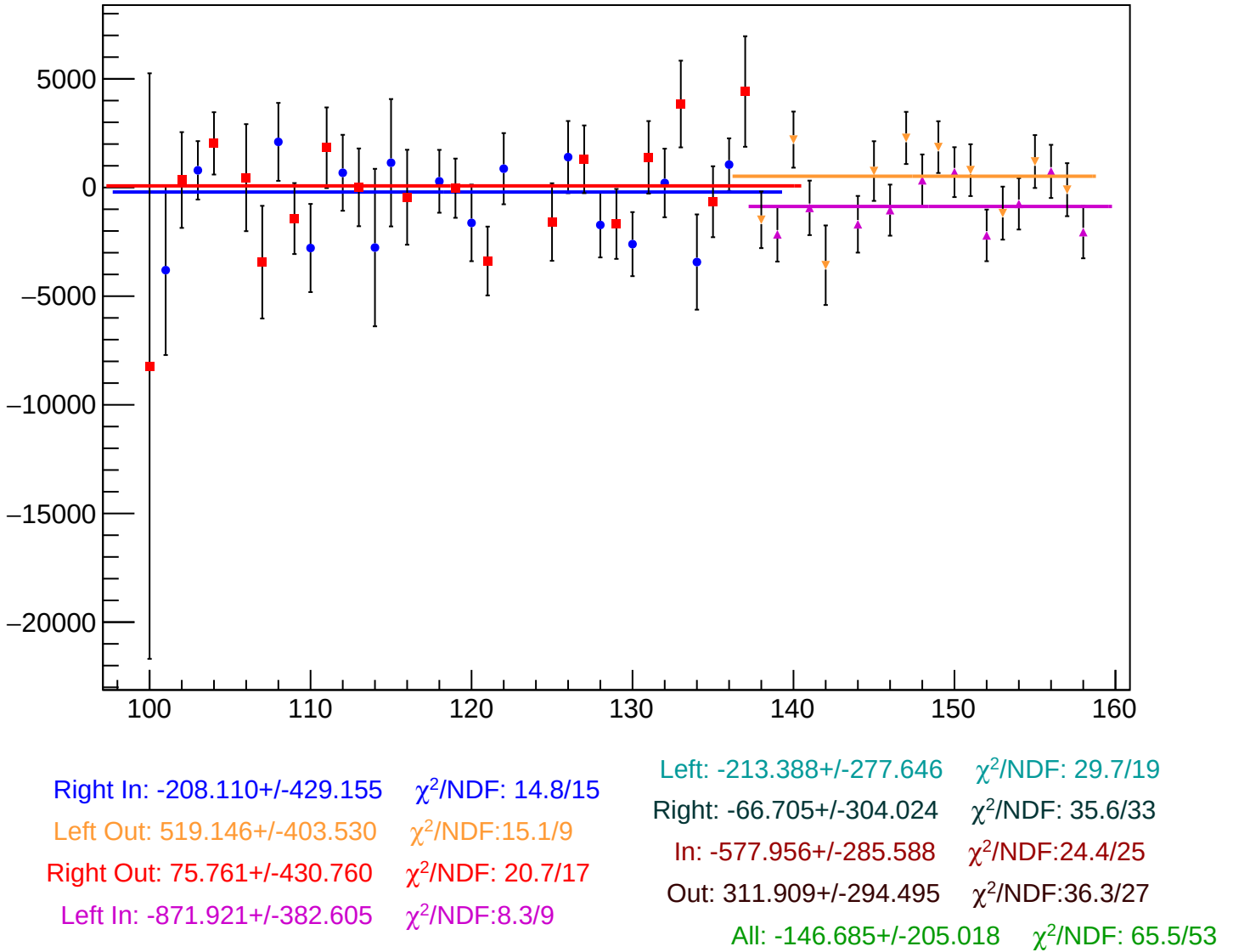
Left: 3277.739+/-0.580 χ^2/NDF: 975359.2/19

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 793.831+/-0.241 χ^2/NDF:20828884.0/25

Out: 669.307+/-0.220 χ^2/NDF:19904374.9/27

All: 725.935+/-0.163 χ^2/NDF: 40878709.3/53


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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−20000
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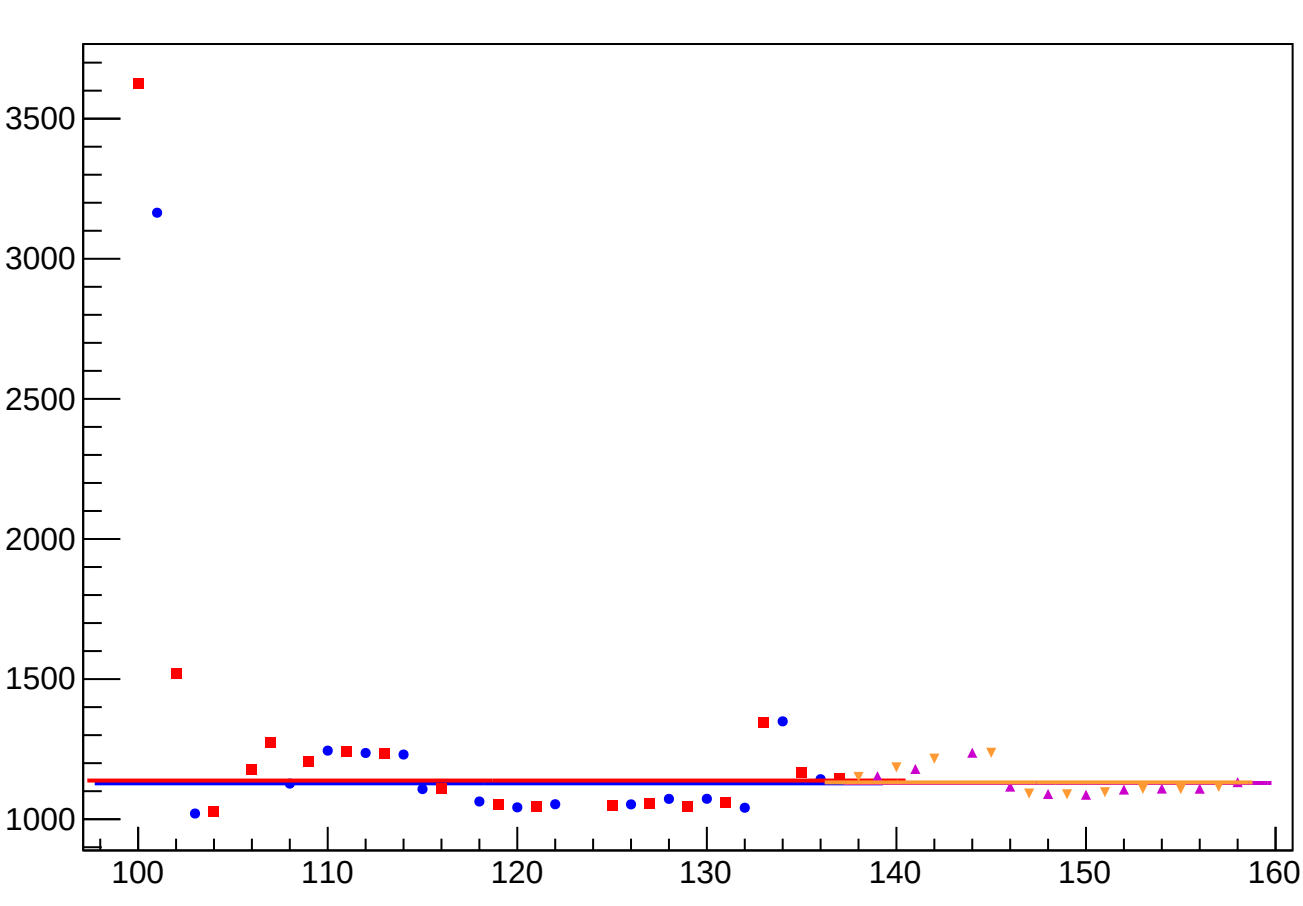
160
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 519.146+/-403.530 χ²/NDF:15.1/9
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -871.921+/-382.605 χ²/NDF:8.3/9
Left: -213.388+/-277.646 χ²/NDF: 29.7/19
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -577.956+/-285.588 χ²/NDF:24.4/25
Out: 311.909+/-294.495 χ²/NDF:36.3/27
All: -146.685+/-205.018 χ²/NDF: 65.5/53



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1131.337+/-0.285 χ^2/NDF:28385.2/9

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

Left: 1130.242+/-0.196 χ^2/NDF: 53065.4/19

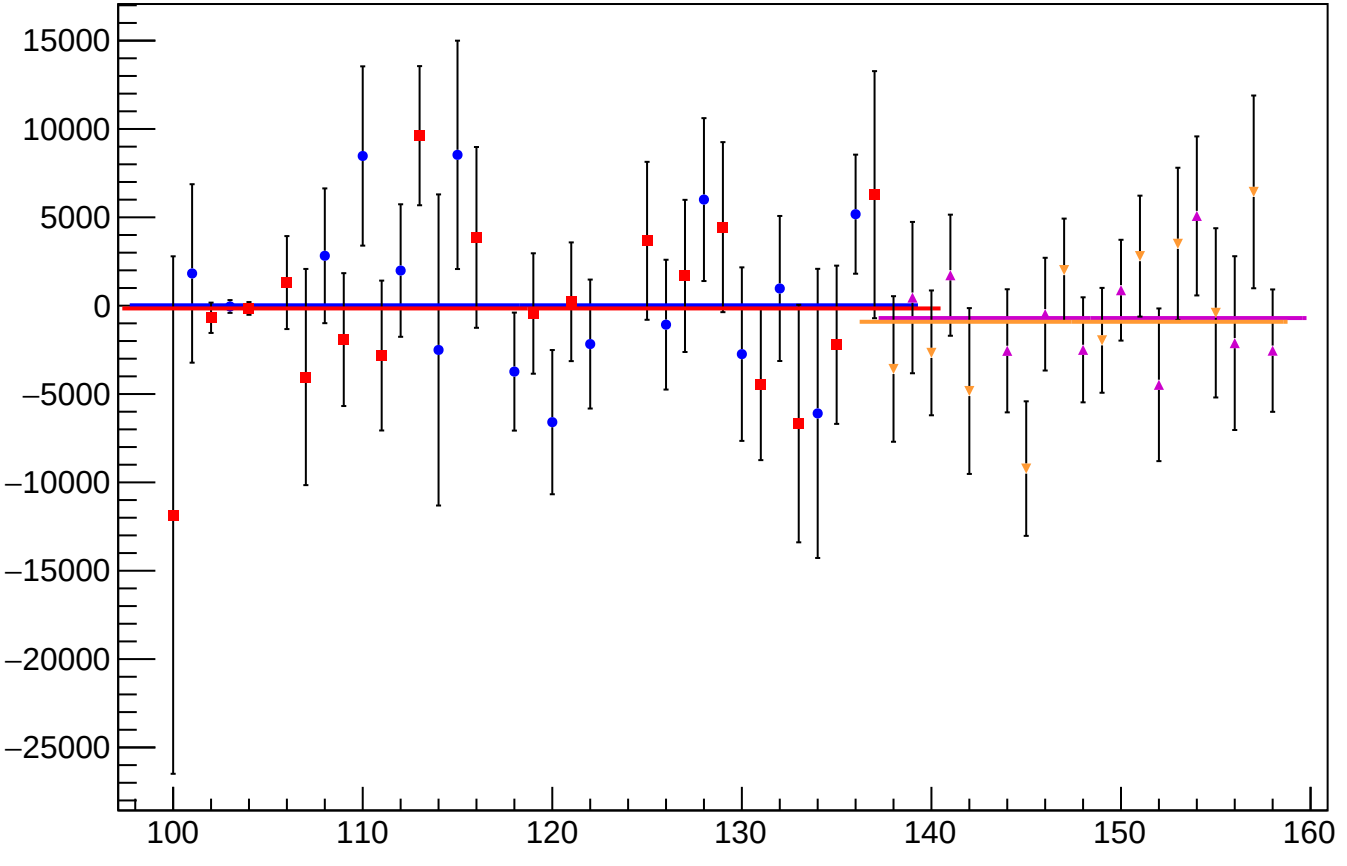
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1128.704+/-0.202 χ^2/NDF:646057.3/25

Out: 1134.453+/-0.208 χ^2/NDF:249264.6/27

All: 1131.491+/-0.145 χ^2/NDF: 895714.9/53

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -910.860+/-1194.032 χ^2/NDF:11.3/9

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -700.799+/-1129.278 χ^2/NDF:4.3/9

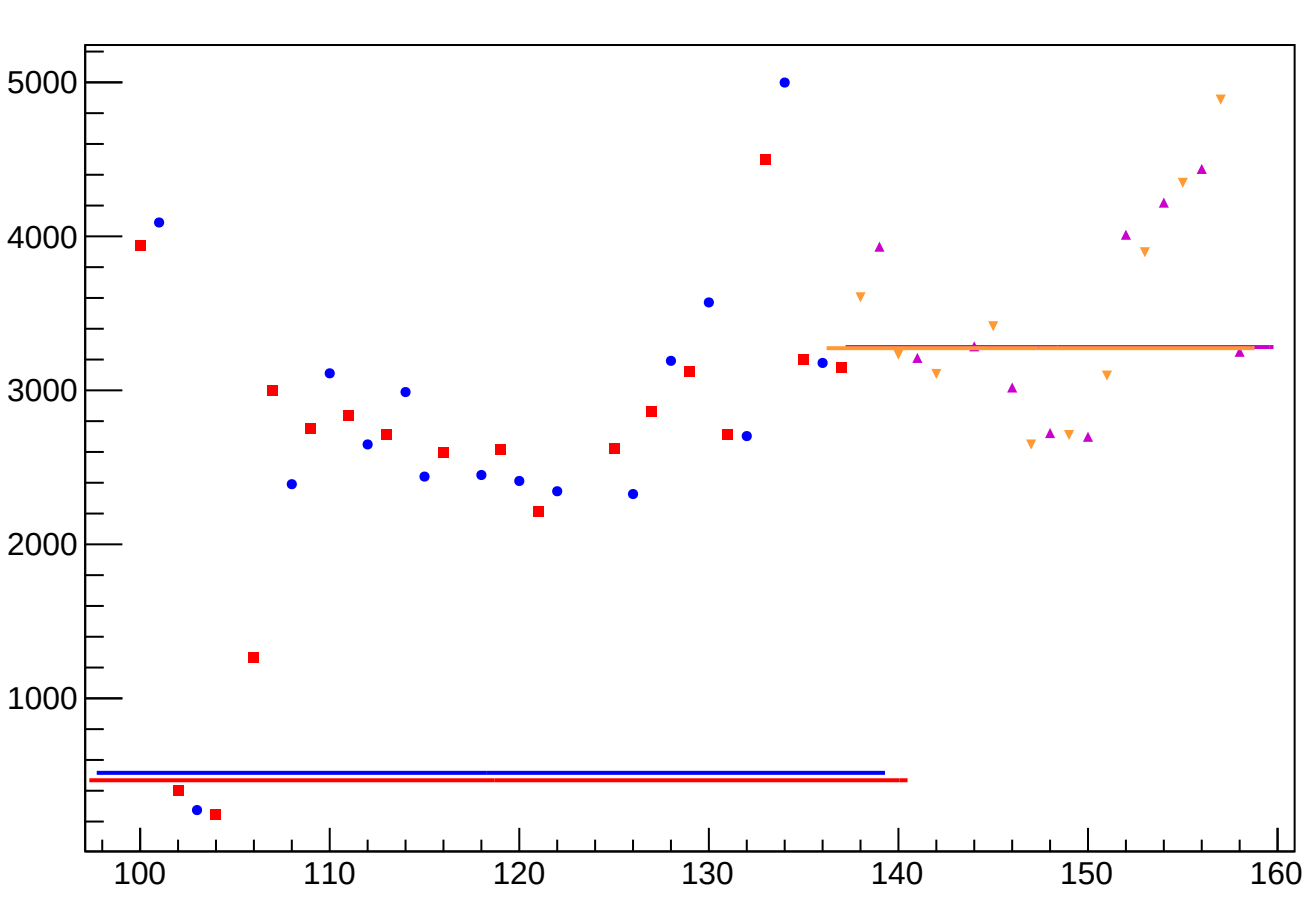
Left: -799.980+/-820.457 χ^2/NDF: 15.6/19

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -39.872+/-329.531 χ^2/NDF:19.6/25

Out: -206.025+/-306.718 χ^2/NDF:25.7/27

All: -128.898+/-224.514 χ^2/NDF: 45.4/53



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3273.844+/-0.844 χ^2/NDF:505890.8/9

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3281.219+/-0.799 χ^2/NDF:469433.4/9

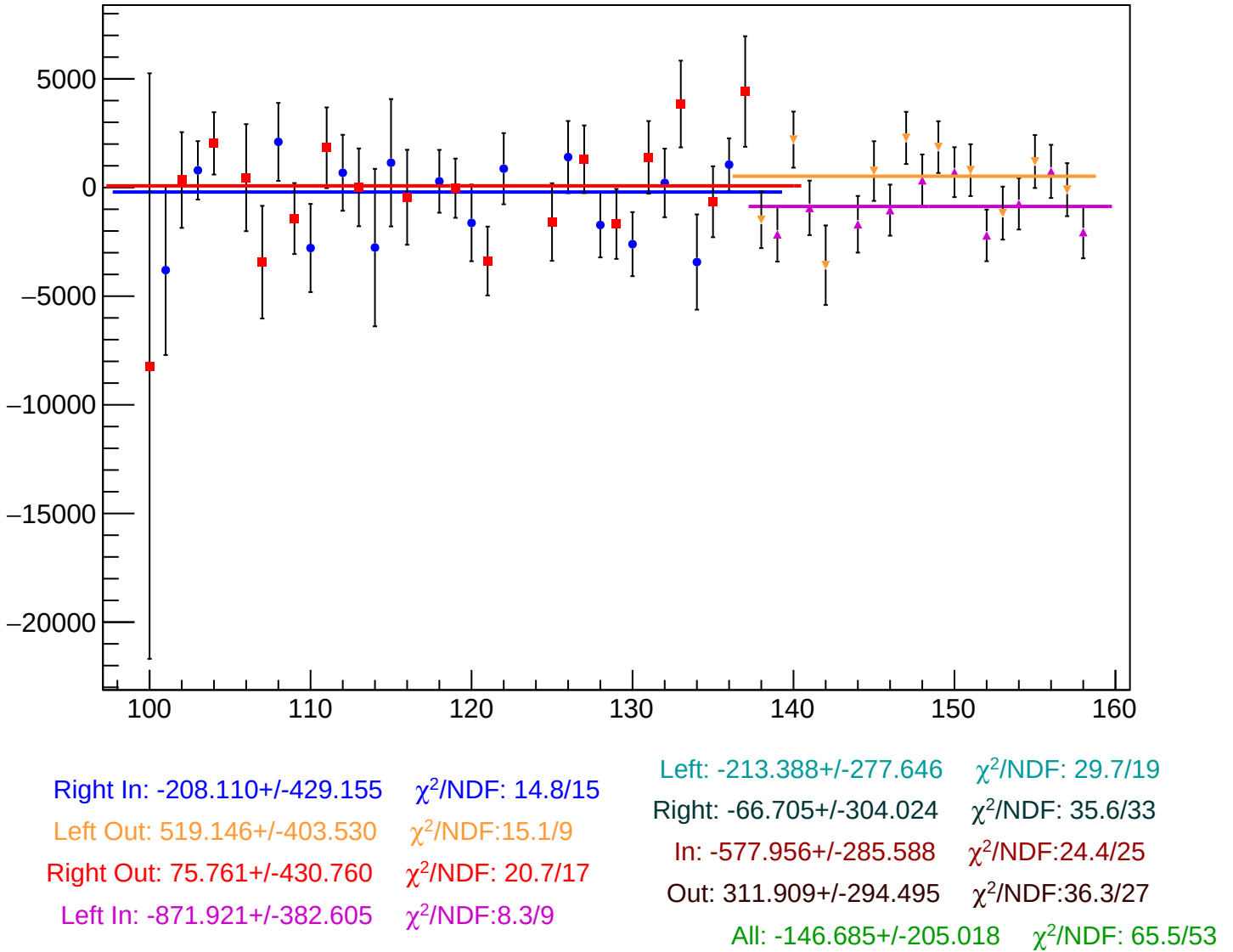
Left: 3277.737+/-0.580 χ^2/NDF: 975364.5/19

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 751.733+/-0.233 χ^2/NDF:21272508.5/25

Out: 653.200+/-0.217 χ^2/NDF:19931904.4/27

All: 698.938+/-0.159 χ^2/NDF: 41300223.3/53


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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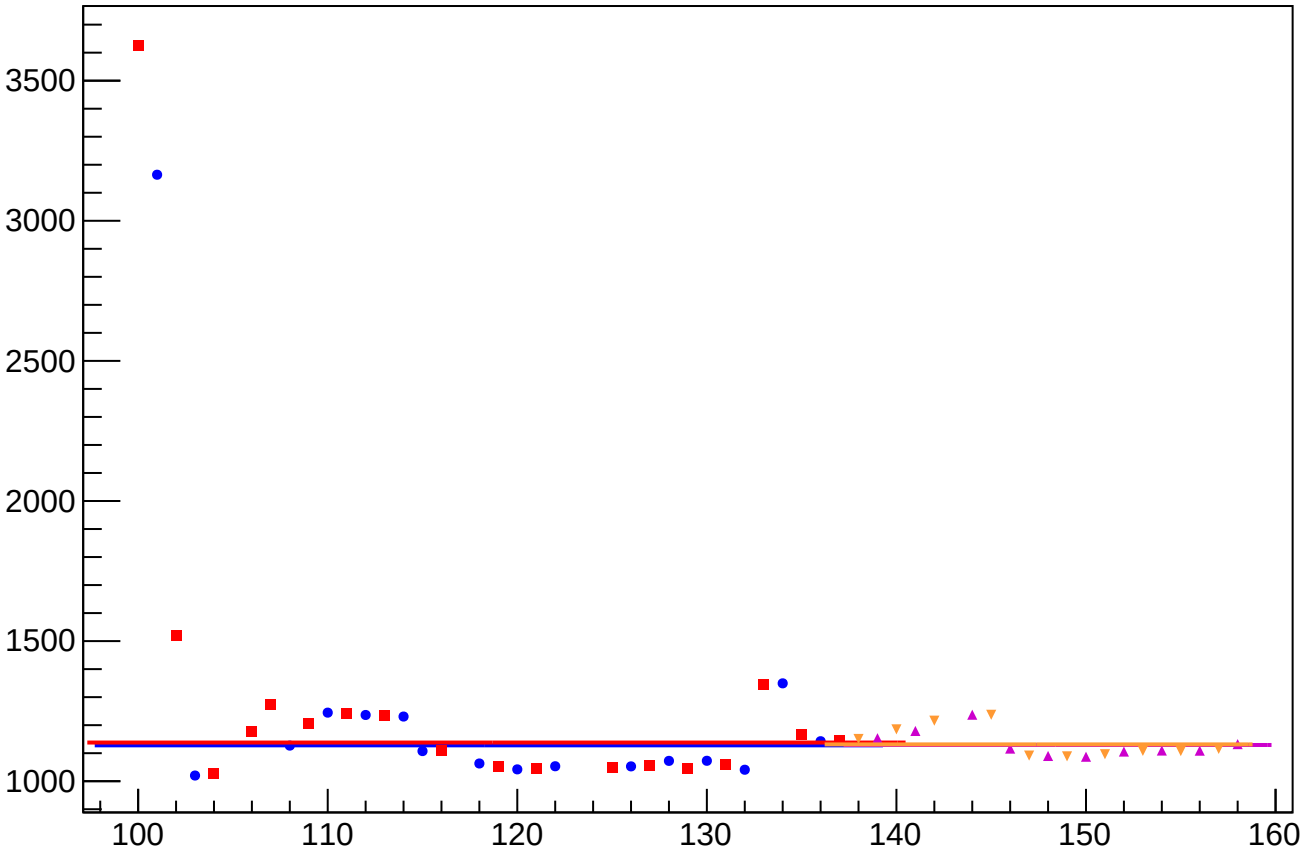
160
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 519.146+/-403.530 χ²/NDF:15.1/9
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -871.921+/-382.605 χ²/NDF:8.3/9
Left: -213.388+/-277.646 χ²/NDF: 29.7/19
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -577.956+/-285.588 χ²/NDF:24.4/25
Out: 311.909+/-294.495 χ²/NDF:36.3/27
All: -146.685+/-205.018 χ²/NDF: 65.5/53



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1131.337+/-0.285 χ^2/NDF:28385.2/9

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

Left: 1130.242+/-0.196 χ^2/NDF: 53065.4/19

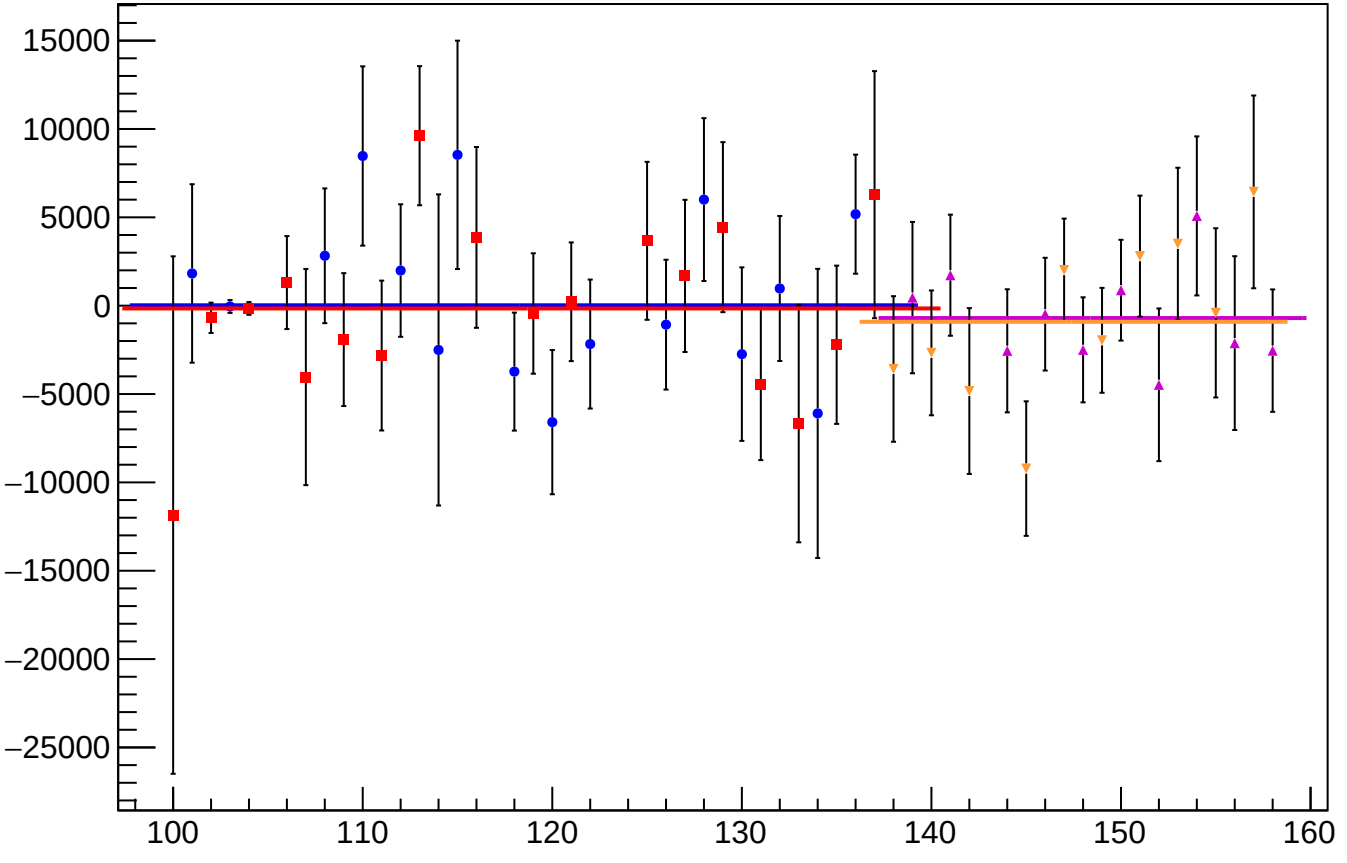
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1128.704+/-0.202 χ^2/NDF:646057.3/25

Out: 1134.453+/-0.208 χ^2/NDF:249264.6/27

All: 1131.491+/-0.145 χ^2/NDF: 895714.9/53

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -910.860+/-1194.032 χ^2/NDF:11.3/9

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -700.799+/-1129.278 χ^2/NDF:4.3/9

Left: -799.980+/-820.457 χ^2/NDF: 15.6/19

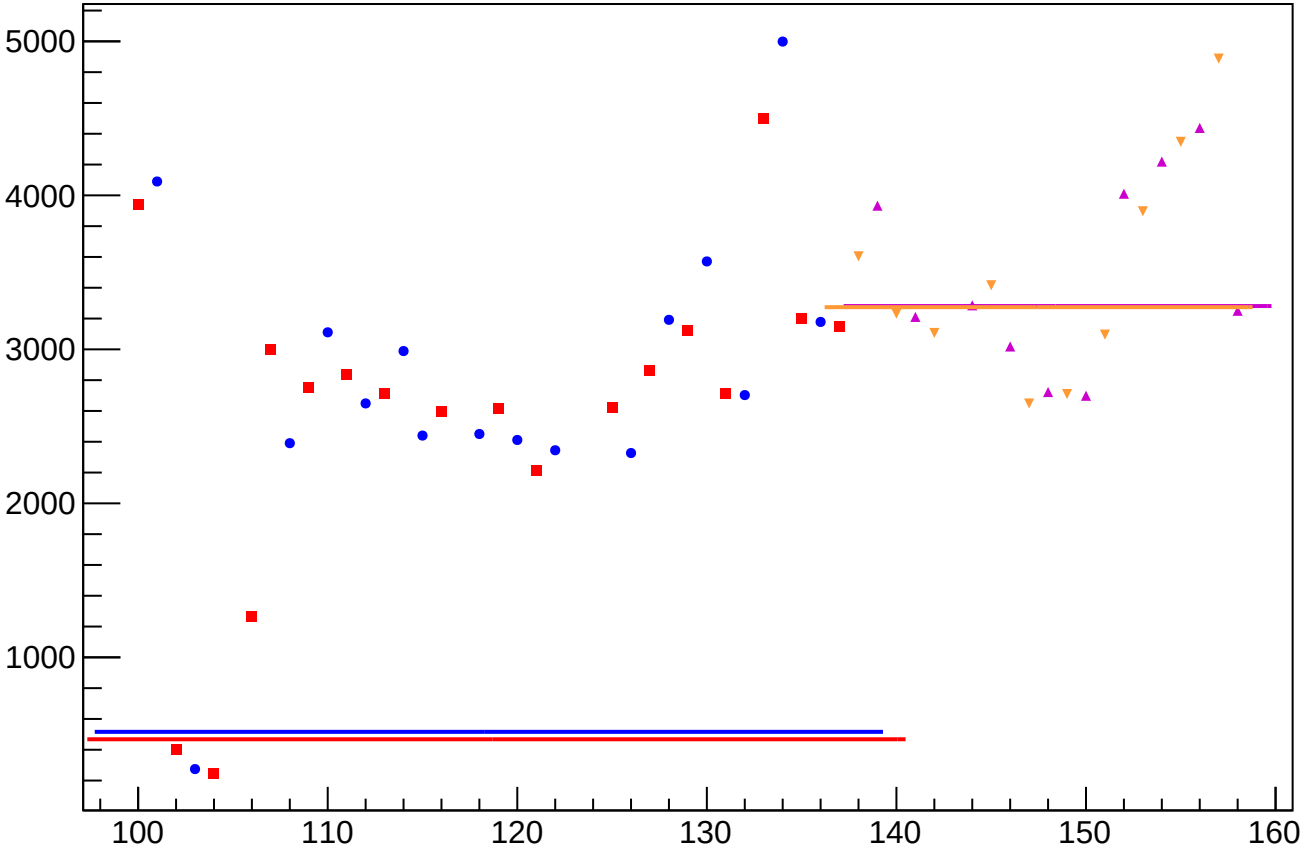
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -39.872+/-329.531 χ^2/NDF:19.6/25

Out: -206.025+/-306.718 χ^2/NDF:25.7/27

All: -128.898+/-224.514 χ^2/NDF: 45.4/53

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3273.844+/-0.844 χ^2/NDF:505890.8/9

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3281.219+/-0.799 χ^2/NDF:469433.4/9

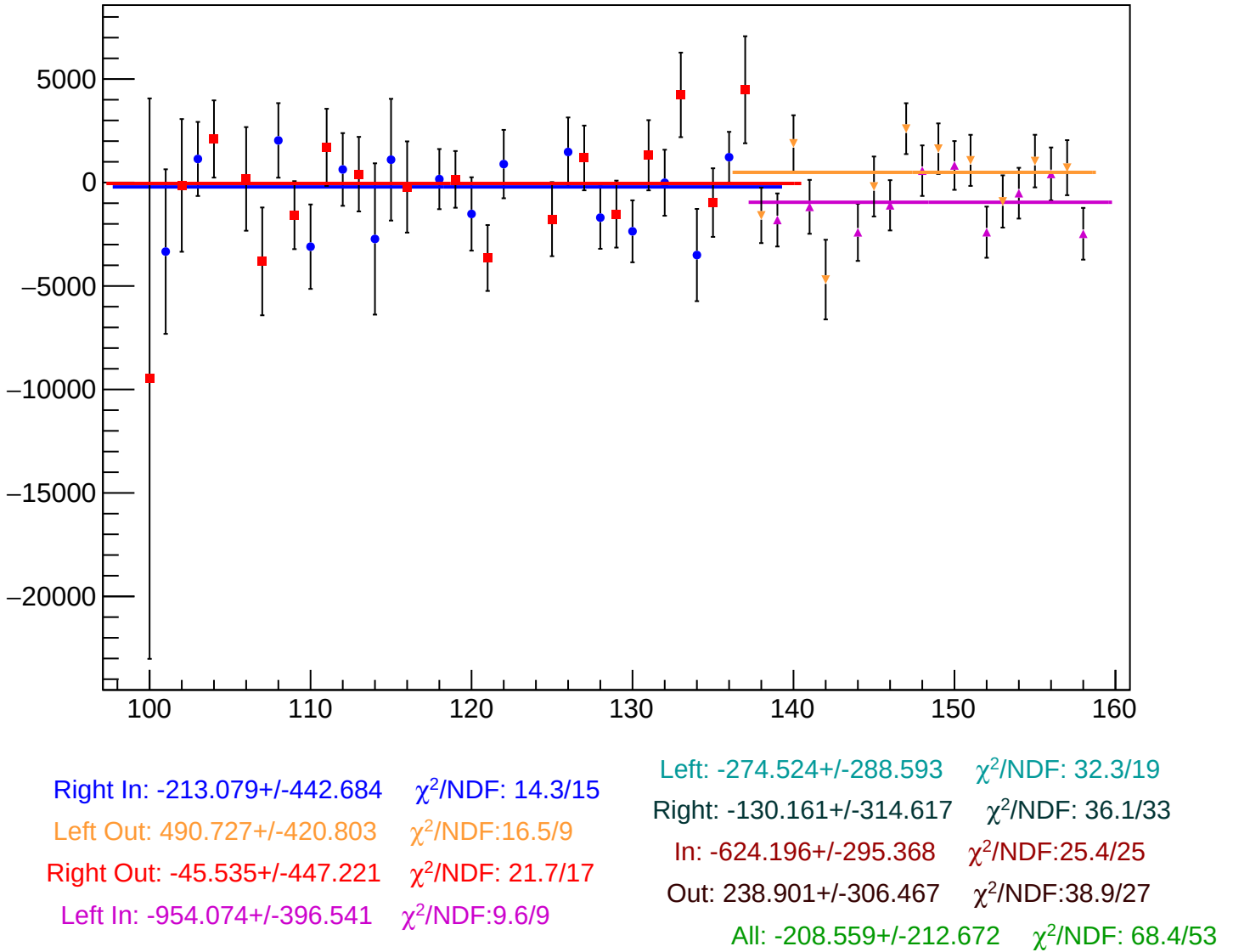
Left: 3277.737+/-0.580 χ^2/NDF: 975364.5/19

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 751.733+/-0.233 χ^2/NDF:21272508.5/25

Out: 653.200+/-0.217 χ^2/NDF:19931904.4/27

All: 698.938+/-0.159 χ^2/NDF: 41300223.3/53


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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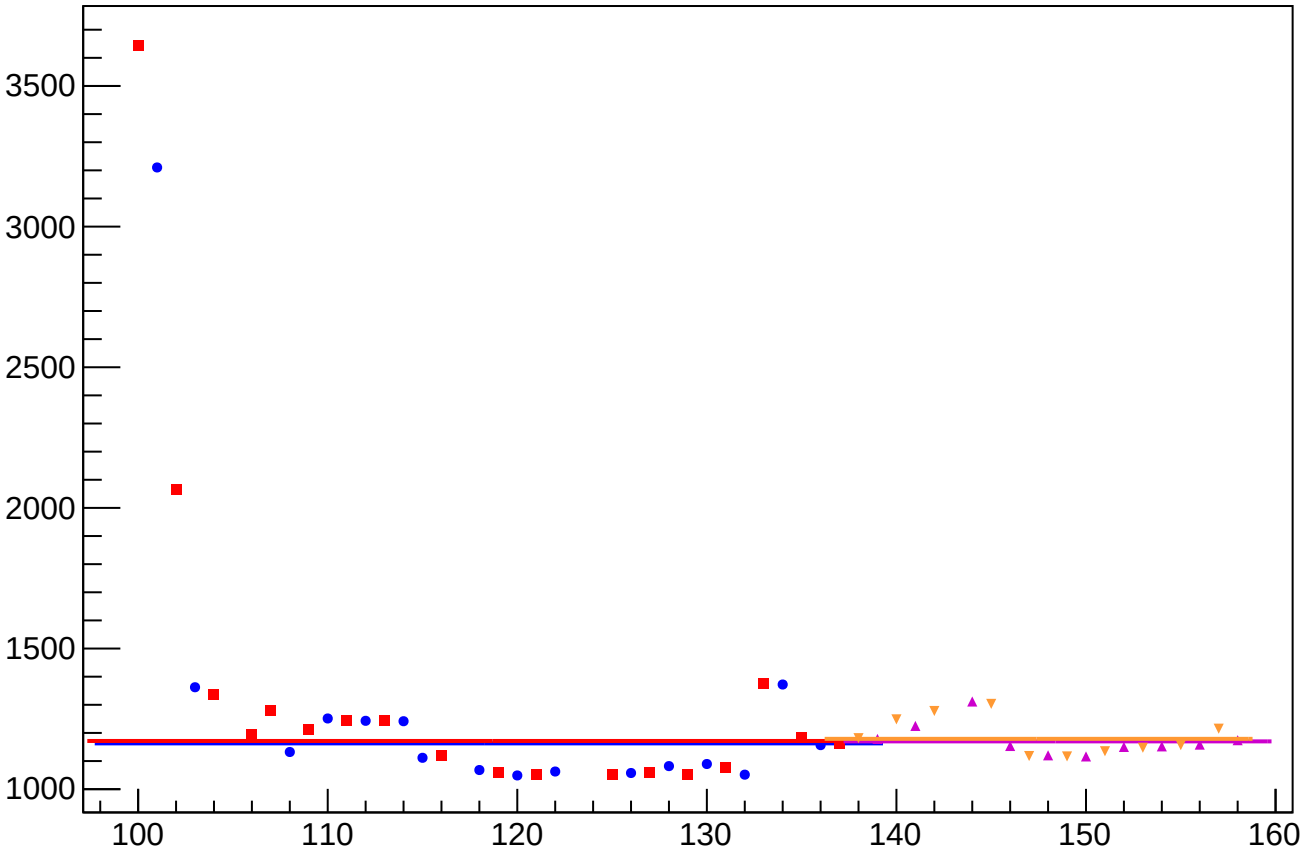
Right In: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: 490.727+/-420.803 χ²/NDF:16.5/9
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -954.074+/-396.541 χ²/NDF:9.6/9
Left: -274.524+/-288.593 χ²/NDF: 32.3/19
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -624.196+/-295.368 χ²/NDF:25.4/25
Out: 238.901+/-306.467 χ²/NDF:38.9/27
All: -208.559+/-212.672 χ²/NDF: 68.4/53



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1179.002+/-0.298 χ^2/NDF:41319.7/9

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1169.968+/-0.280 χ^2/NDF:33578.1/9

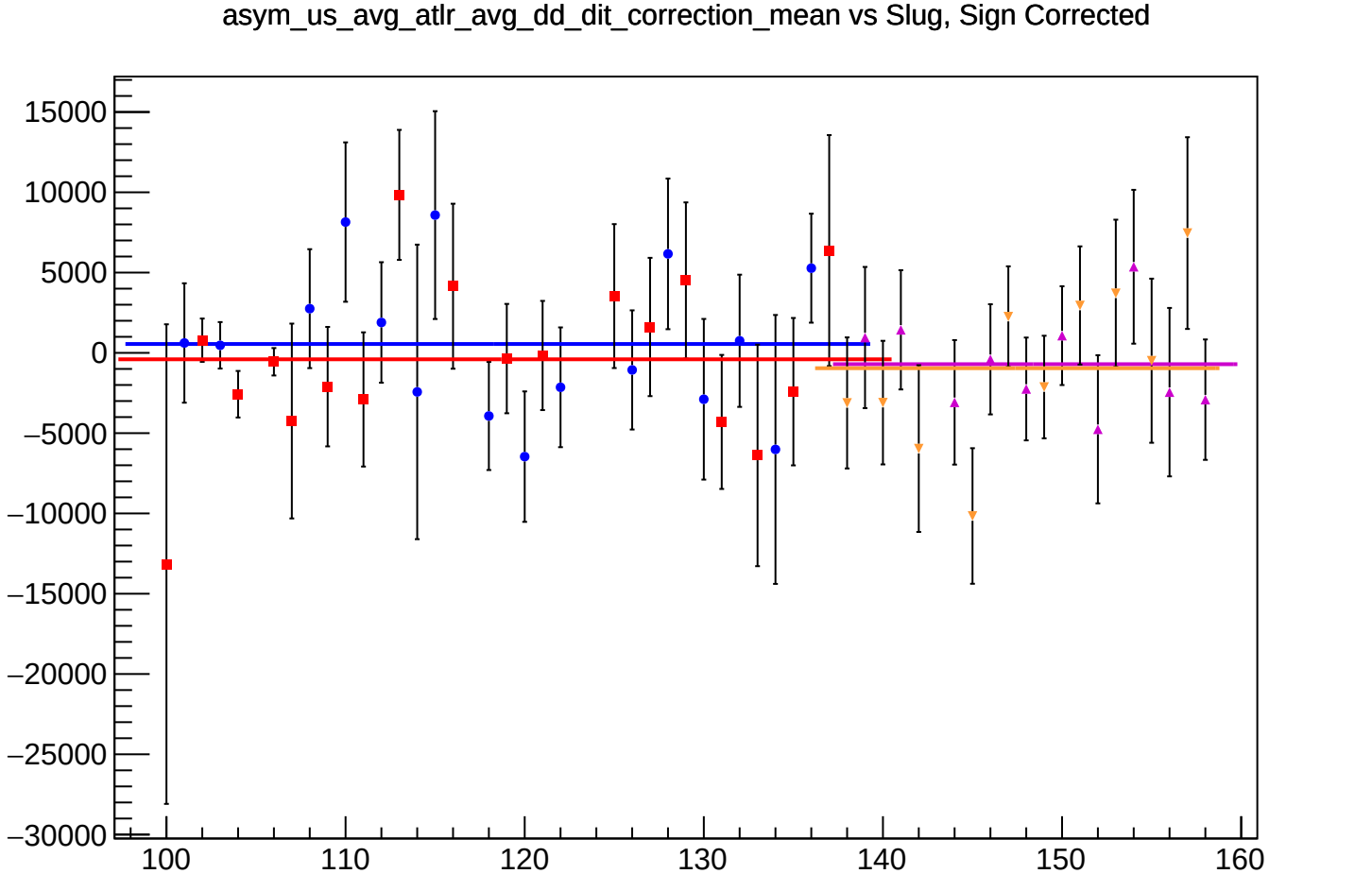
Left: 1174.217+/-0.204 χ^2/NDF: 75386.0/19

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1166.800+/-0.209 χ^2/NDF:669218.3/25

Out: 1175.440+/-0.217 χ^2/NDF:373265.5/27

All: 1170.961+/-0.150 χ^2/NDF: 1043308.1/53



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -955.337+/-1281.945 χ^2/NDF:11.6/9

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -705.517+/-1215.292 χ^2/NDF:4.3/9

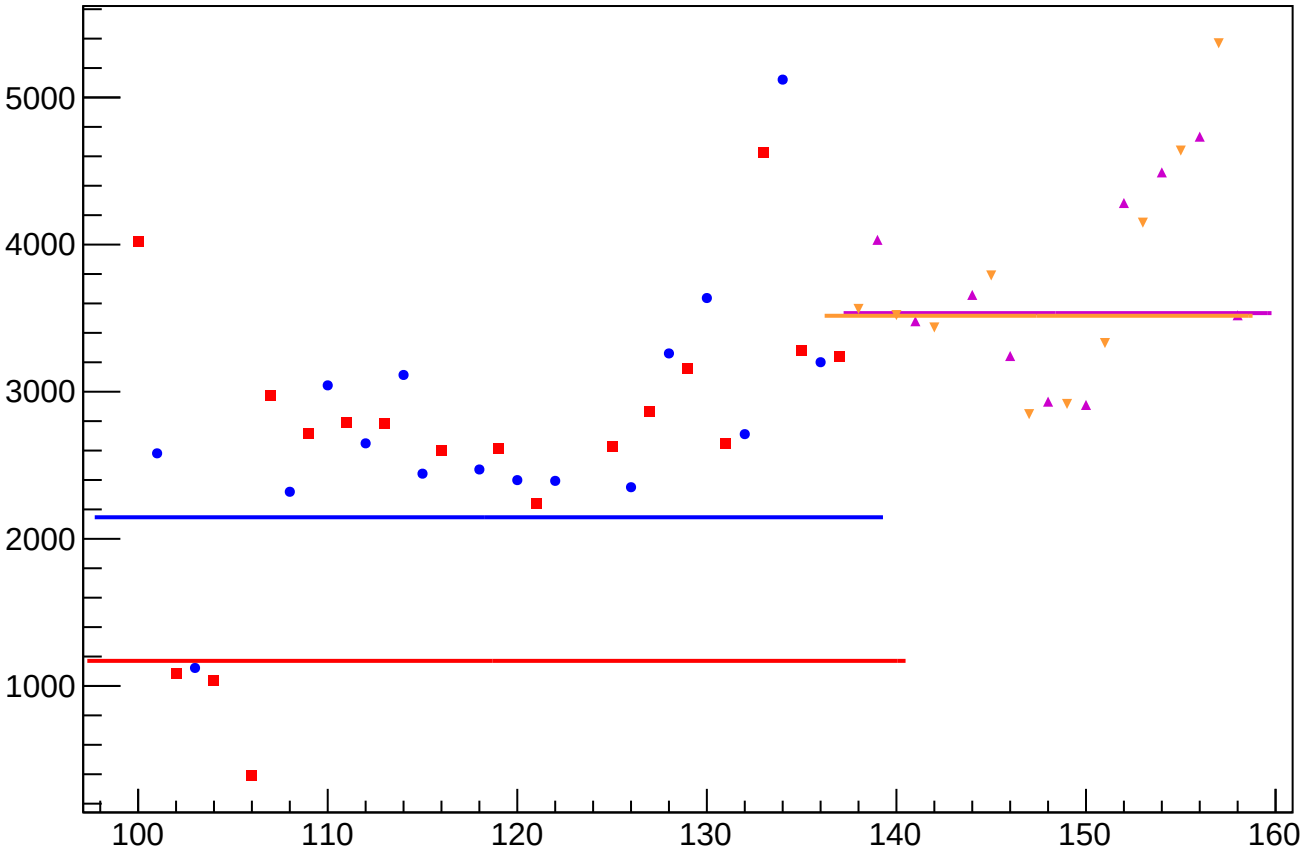
Left: -823.764+/-881.963 χ^2/NDF: 15.9/19

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 123.580+/-709.629 χ^2/NDF:19.4/25

Out: -490.922+/-517.679 χ^2/NDF:28.4/27

All: -277.484+/-418.221 χ^2/NDF: 48.3/53



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3516.221+/-0.906 χ^2/NDF:502957.3/9

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3534.233+/-0.859 χ^2/NDF:432575.6/9

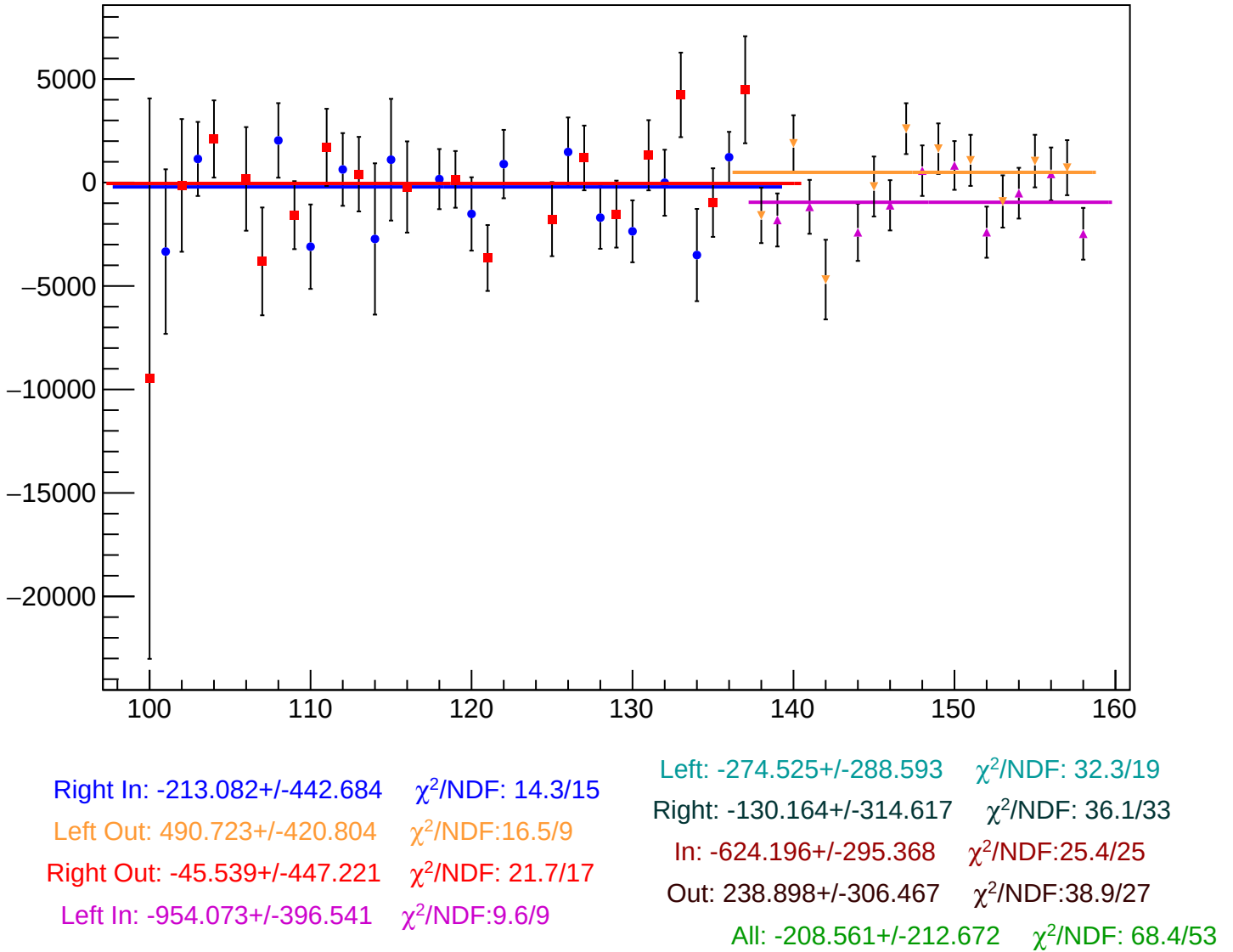
Left: 3525.707+/-0.624 χ^2/NDF: 935740.8/19

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2619.736+/-0.502 χ^2/NDF:4125685.2/25

Out: 1553.086+/-0.366 χ^2/NDF:11924516.8/27

All: 1923.572+/-0.296 χ^2/NDF: 18999378.9/5


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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−20000
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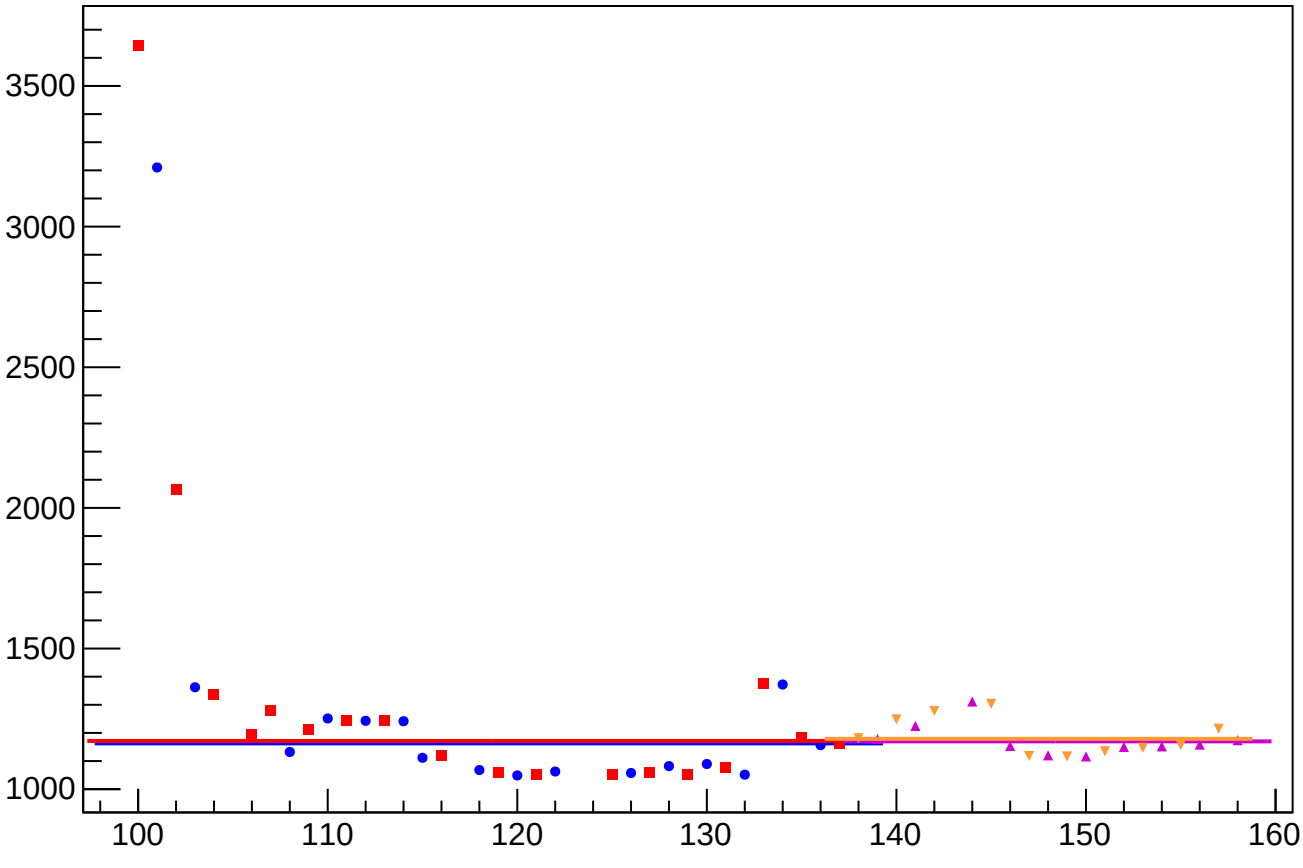
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 490.723+/-420.804 χ²/NDF:16.5/9
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -954.073+/-396.541 χ²/NDF:9.6/9
Left: -274.525+/-288.593 χ²/NDF: 32.3/19
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -624.196+/-295.368 χ²/NDF:25.4/25
Out: 238.898+/-306.467 χ²/NDF:38.9/27
All: -208.561+/-212.672 χ²/NDF: 68.4/53



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1179.002+/-0.298 χ^2/NDF:41320.2/9

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1169.969+/-0.280 χ^2/NDF:33578.3/9

Left: 1174.217+/-0.204 χ^2/NDF: 75386.7/19

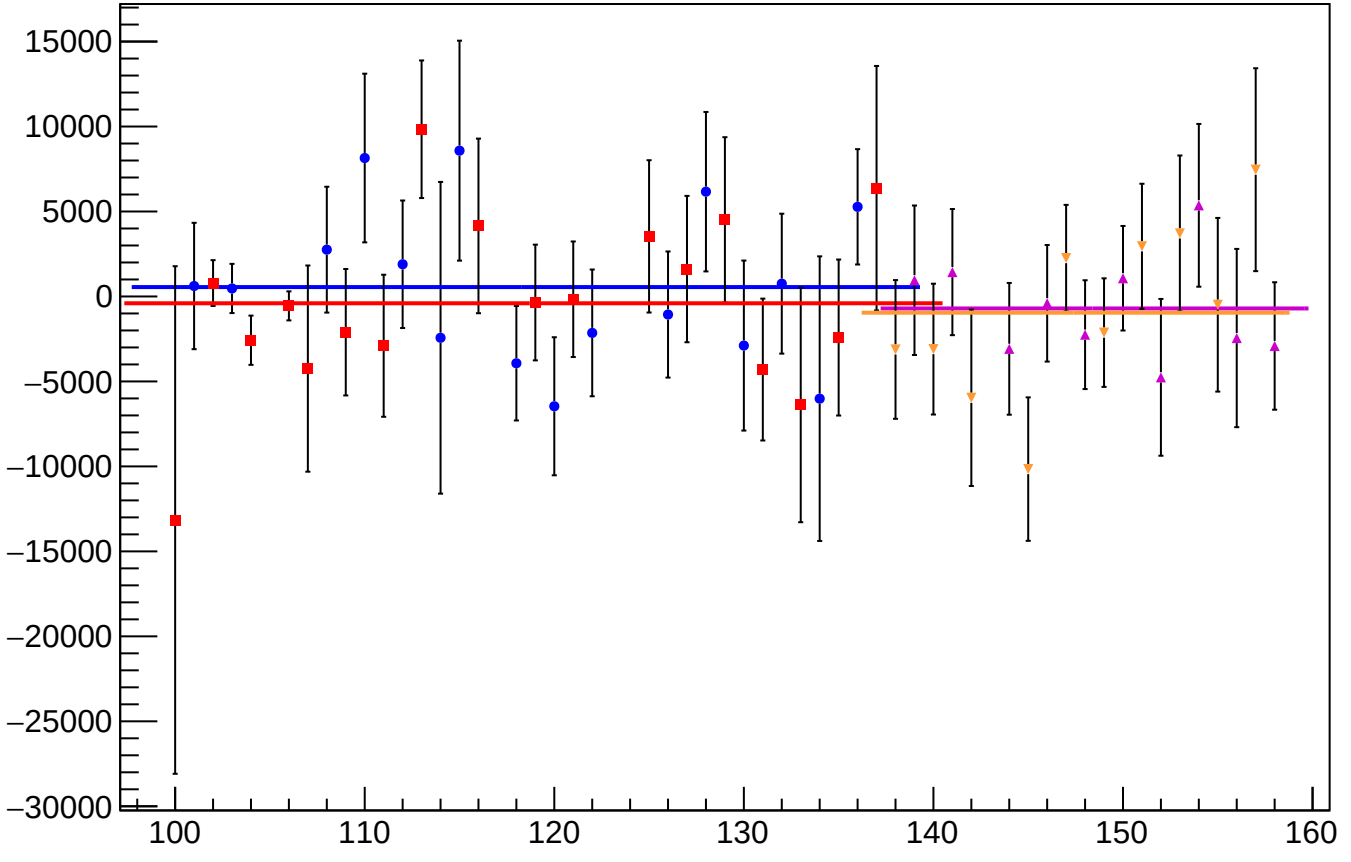
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1166.800+/-0.209 χ^2/NDF:669218.7/25

Out: 1175.440+/-0.217 χ^2/NDF:373265.7/27

All: 1170.962+/-0.150 χ^2/NDF: 1043308.7/53

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -955.339+/-1281.946 χ^2/NDF:11.6/9

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -705.516+/-1215.293 χ^2/NDF:4.3/9

Left: -823.764+/-881.964 χ^2/NDF: 15.9/19

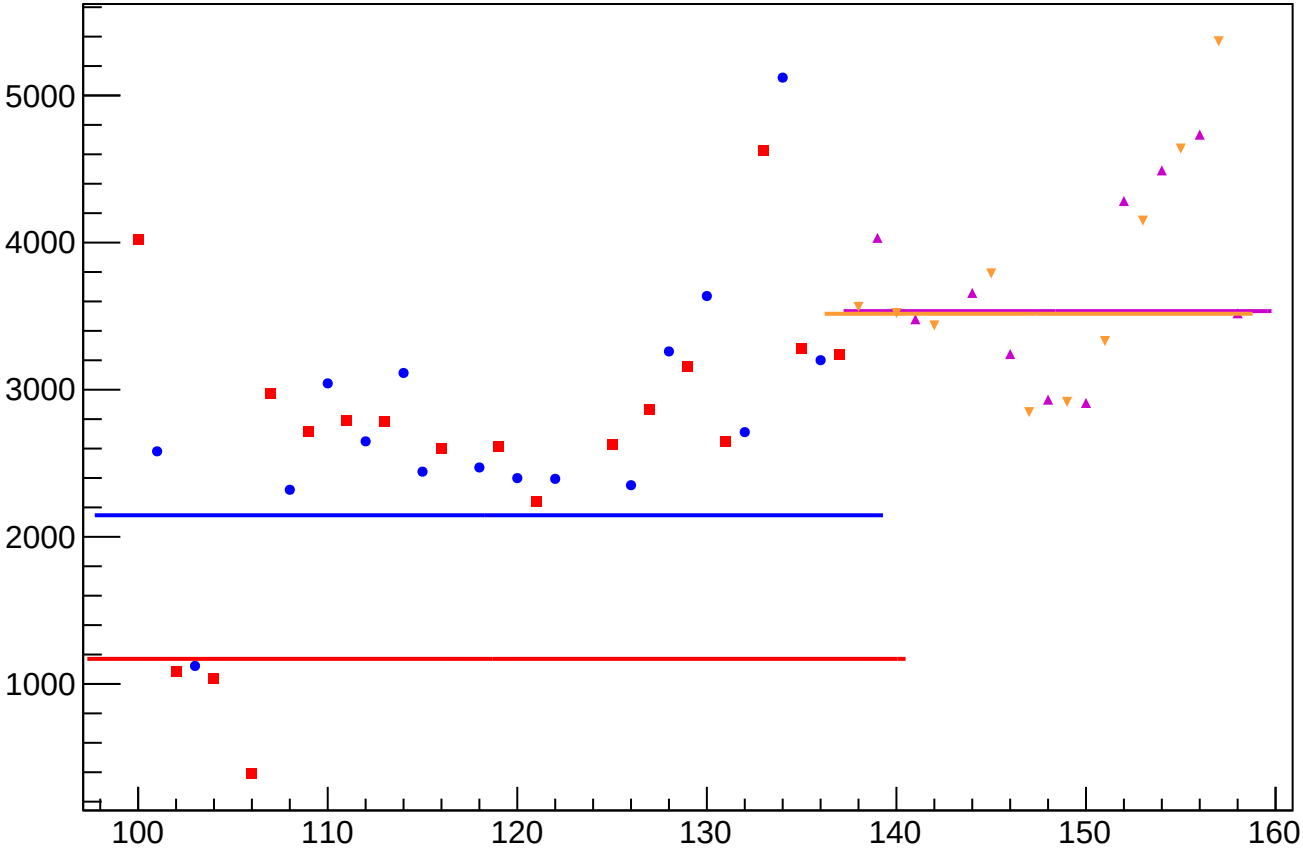
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 123.577+/-709.628 χ^2/NDF:19.4/25

Out: -490.922+/-517.674 χ^2/NDF:28.4/27

All: -277.487+/-418.218 χ^2/NDF: 48.3/53

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3516.225+/-0.906 χ^2/NDF:502957.7/9

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3534.237+/-0.859 χ^2/NDF:432575.7/9

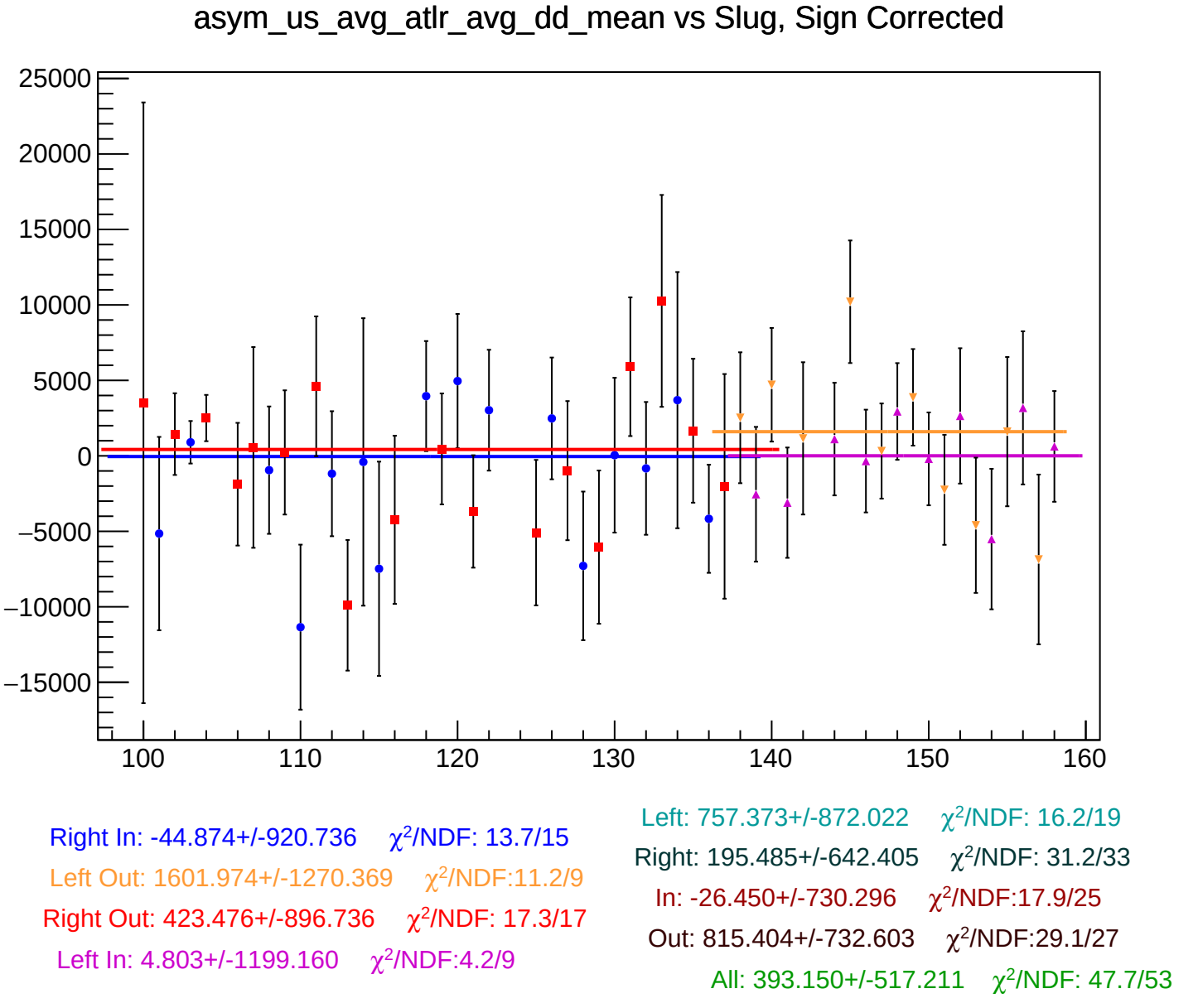
Left: 3525.711+/-0.624 χ^2/NDF: 935741.3/19

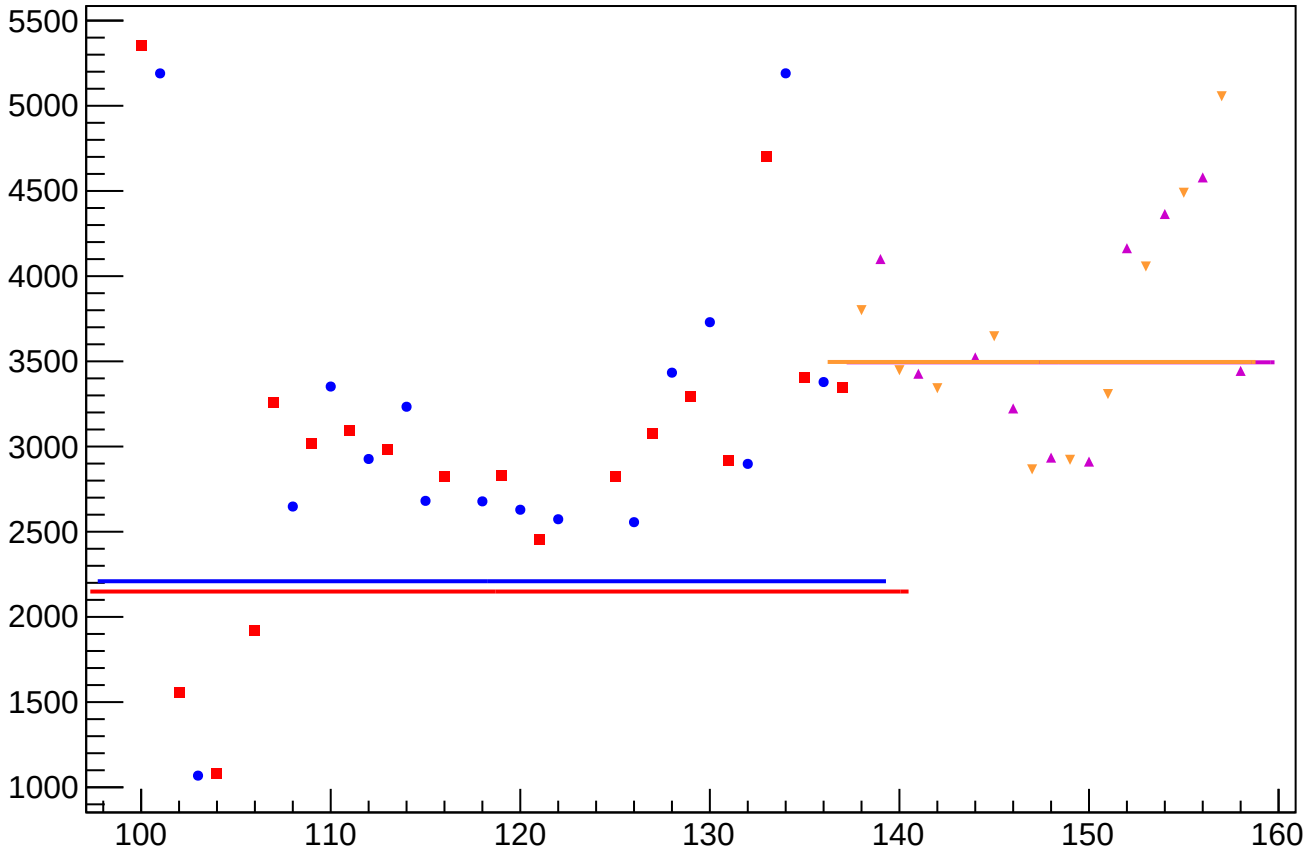
Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2619.734+/-0.502 χ^2/NDF:4125697.4/25

Out: 1553.059+/-0.366 χ^2/NDF:11924783.7/27

All: 1923.549+/-0.296 χ^2/NDF: 18999817.7/5


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 1601.974+/-1270.369 χ²/NDF:11.2/9
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: 4.803+/-1199.160 χ²/NDF:4.2/9
Left: 757.373+/-872.022 χ²/NDF: 16.2/19
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: -26.450+/-730.296 χ²/NDF:17.9/25
Out: 815.404+/-732.603 χ²/NDF:29.1/27
All: 393.150+/-517.211 χ²/NDF: 47.7/53



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3496.392+/-0.898 χ^2/NDF:430384.3/9

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3494.361+/-0.848 χ^2/NDF:389538.8/9

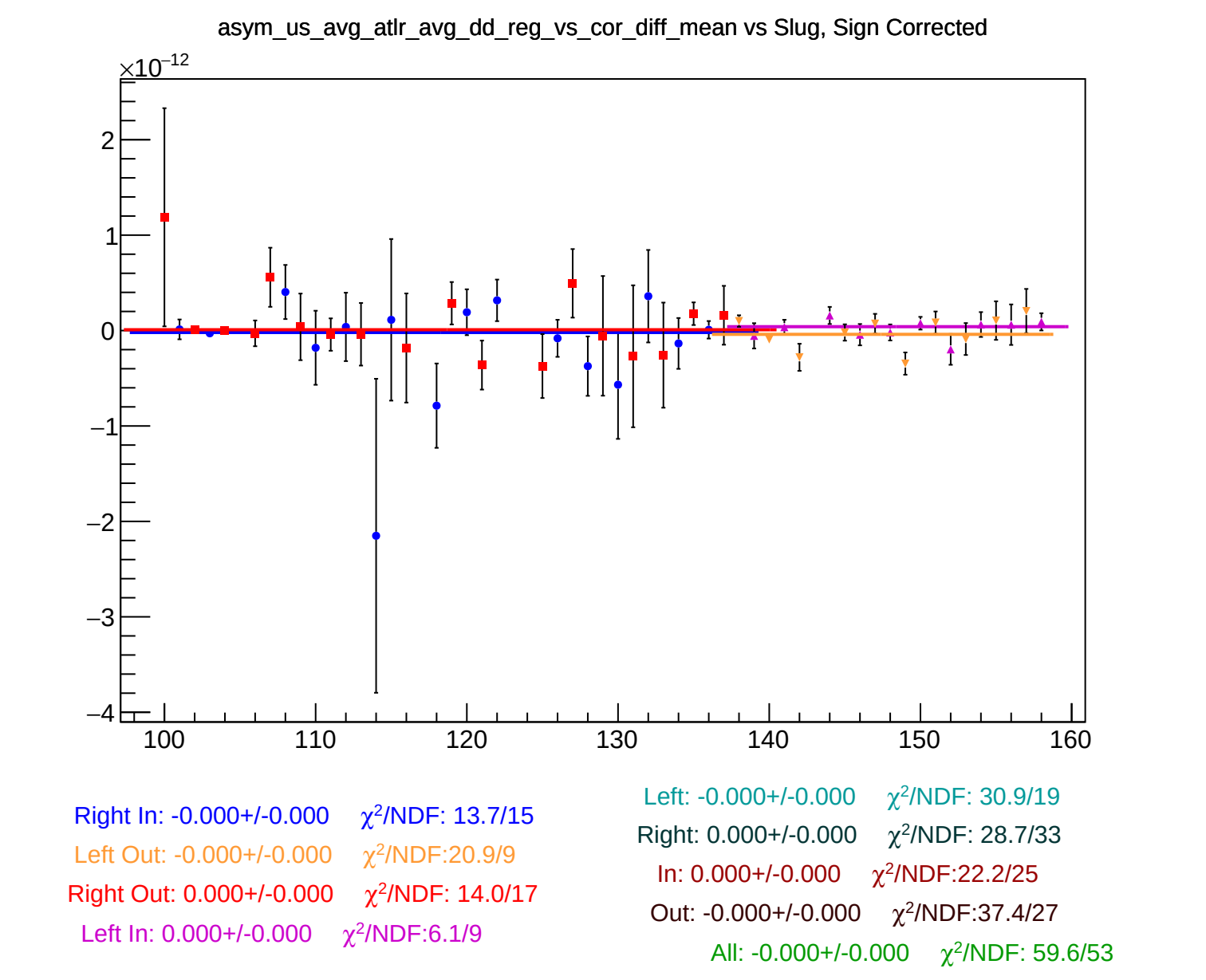
Left: 3495.318+/-0.617 χ^2/NDF: 819925.9/19

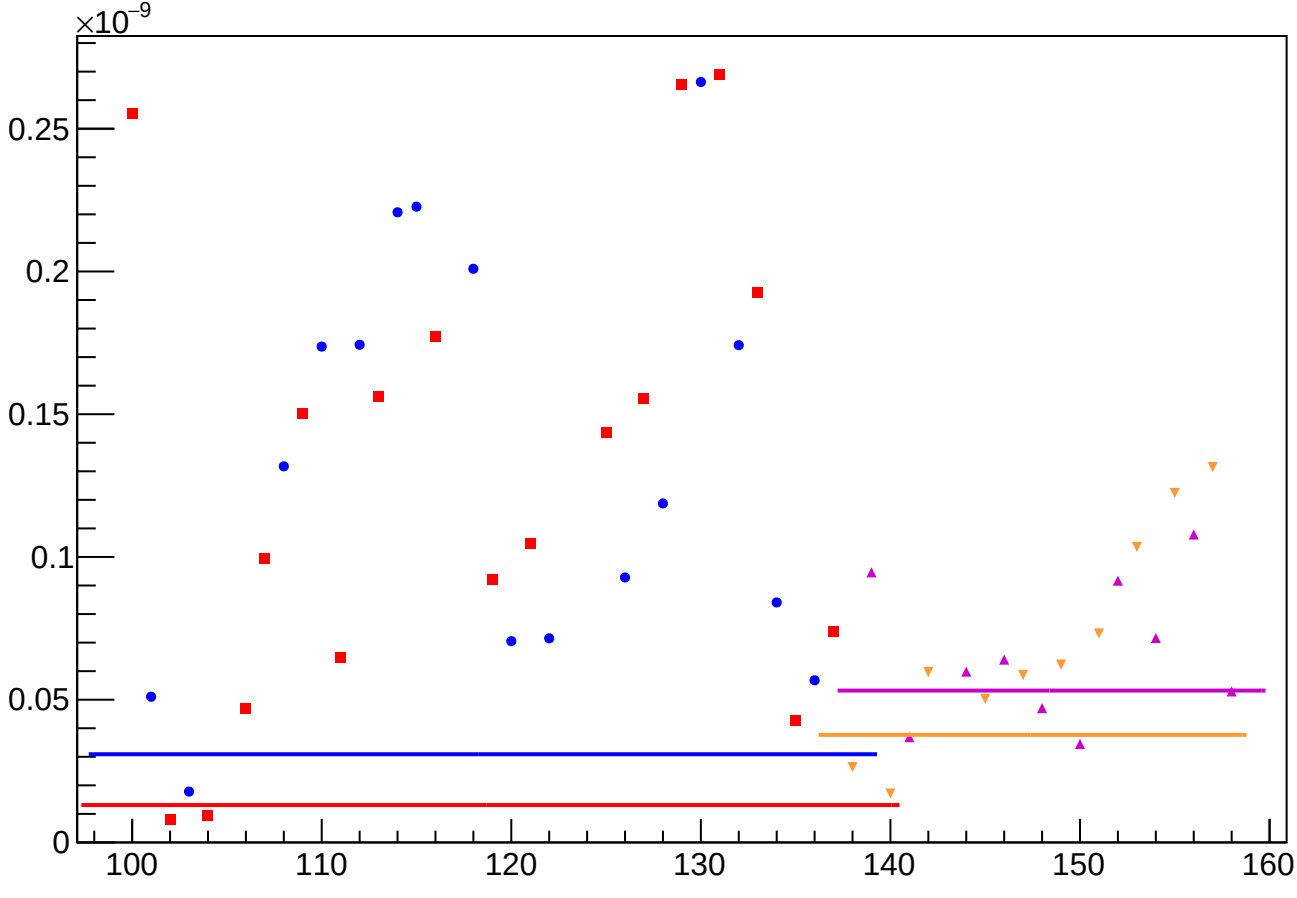
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2685.943+/-0.516 χ^2/NDF:4671249.5/25

Out: 2595.630+/-0.517 χ^2/NDF:4204193.5/27

All: 2640.857+/-0.365 χ^2/NDF: 8890712.7/53


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:20.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:6.1/9
Left: -0.000+/-0.000 χ²/NDF: 30.9/19
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: 0.000+/-0.000 χ²/NDF:22.2/25
Out: -0.000+/-0.000 χ²/NDF:37.4/27
All: -0.000+/-0.000 χ²/NDF: 59.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2017321.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:767805.4/9

Left: 0.000+/-0.000 χ^2/NDF: 3070034.7/19

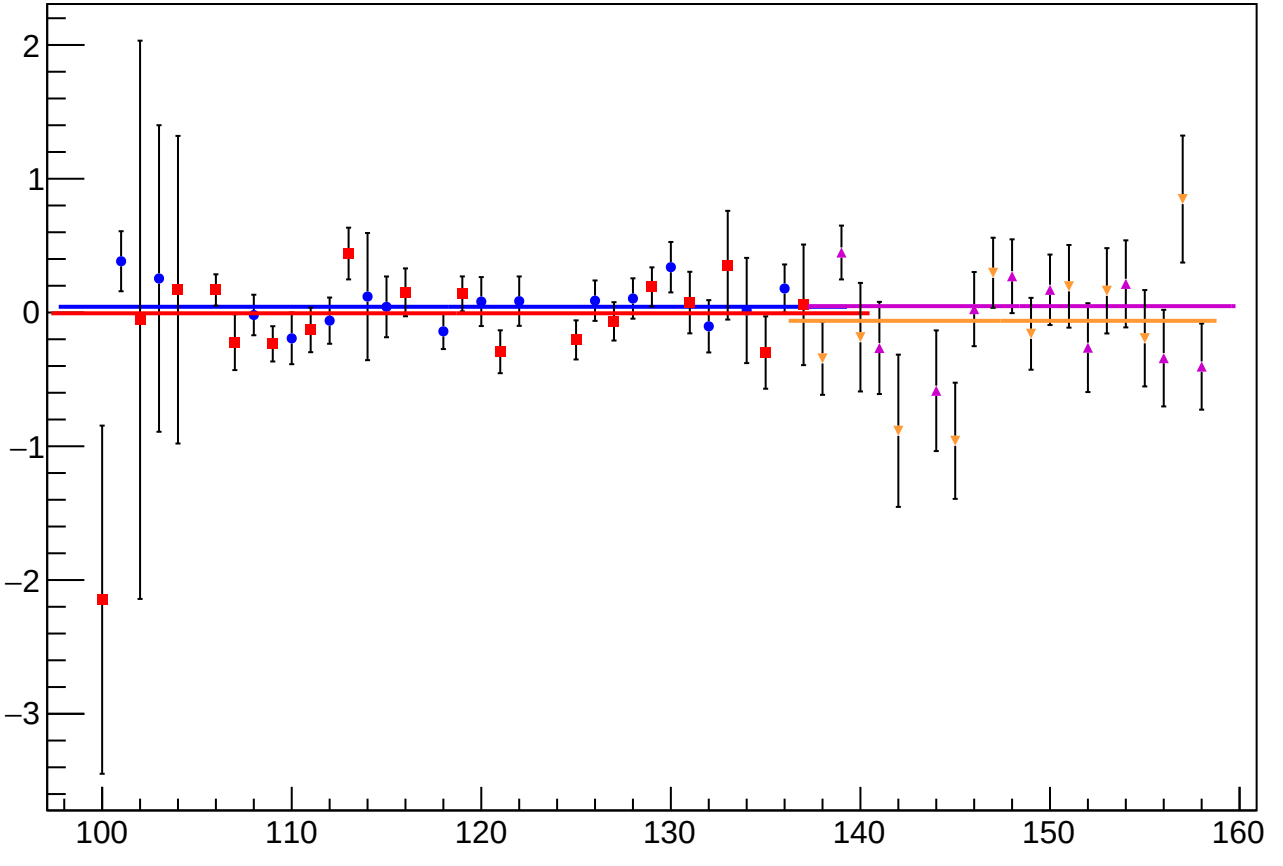
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4382472.2/25

Out: 0.000+/-0.000 χ^2/NDF:6955598.2/27

All: 0.000+/-0.000 χ^2/NDF: 12921254.4/53

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.106 χ^2/NDF:14.5/9

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.094 χ^2/NDF:11.9/9

Left: -0.000+/-0.070 χ^2/NDF: 27.0/19

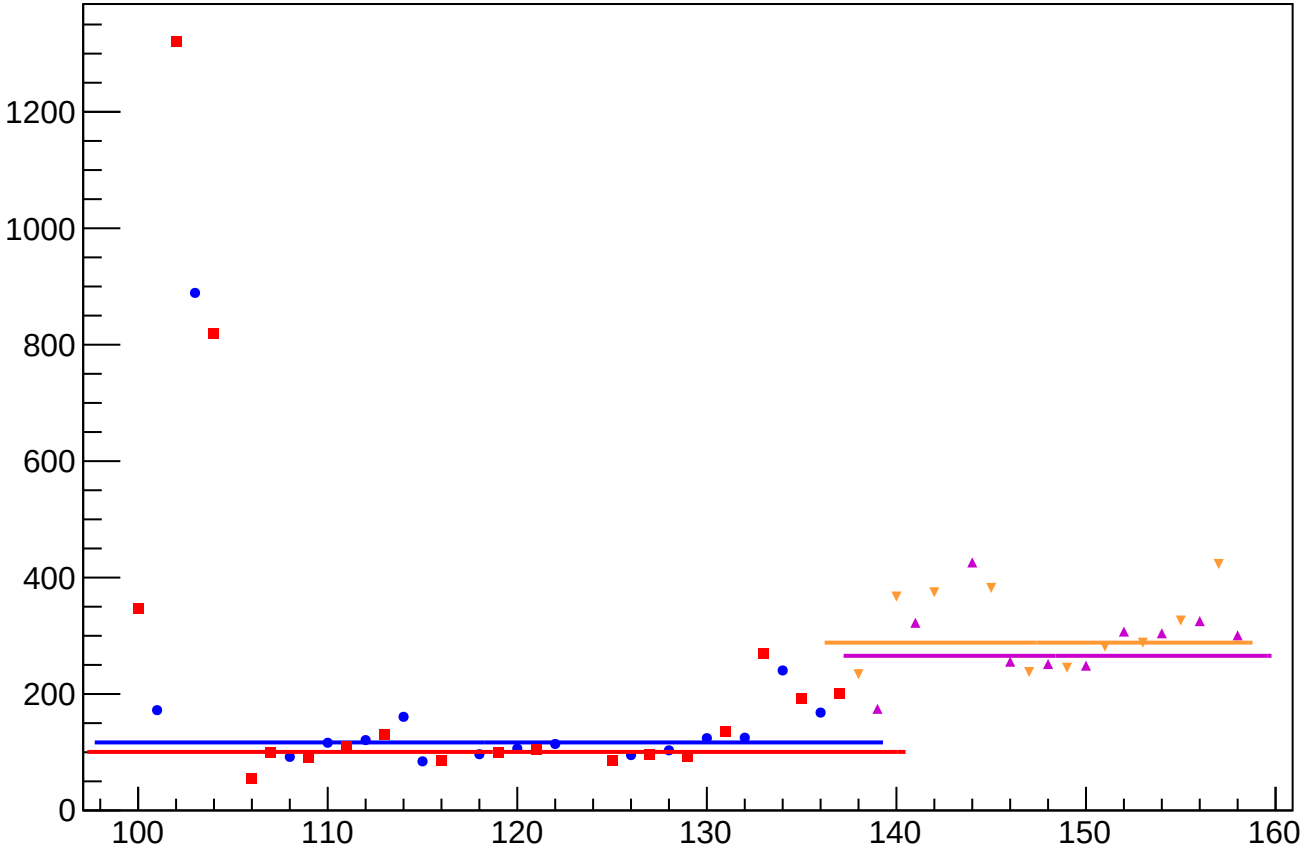
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.042 χ^2/NDF:22.2/25

Out: -0.014+/-0.040 χ^2/NDF:40.8/27

All: 0.013+/-0.029 χ^2/NDF: 63.9/53

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.270+/-0.075 χ^2/NDF:606264.4/9

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 265.616+/-0.066 χ^2/NDF:870570.8/9

Left: 275.517+/-0.050 χ^2/NDF: 1528149.1/19

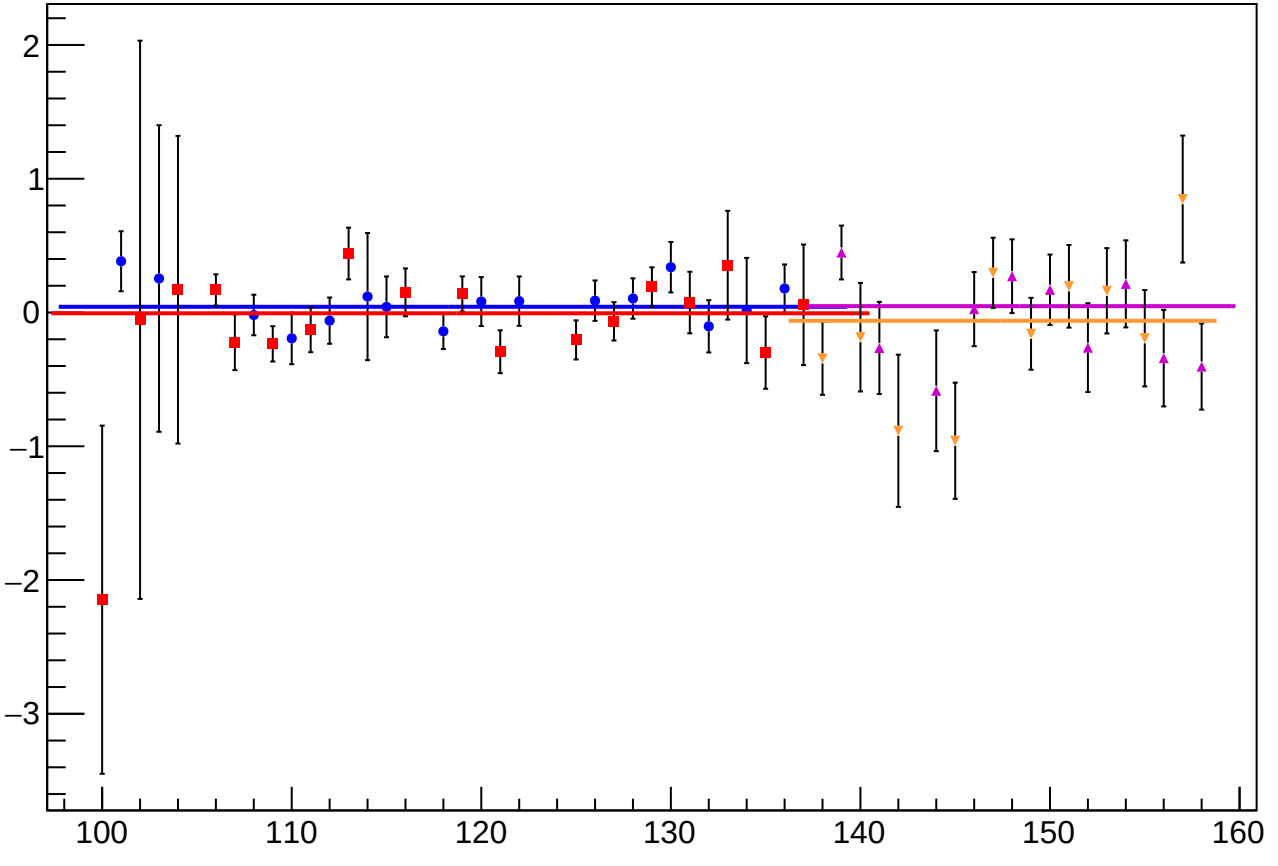
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 147.326+/-0.030 χ^2/NDF:6517471.2/25

Out: 127.425+/-0.028 χ^2/NDF:8633350.9/27

All: 136.852+/-0.021 χ^2/NDF: 15383536.3/53

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: -0.062+/-0.106 χ^2/NDF:14.5/9

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.094 χ^2/NDF:11.9/9

Left: -0.000+/-0.070 χ^2/NDF: 27.0/19

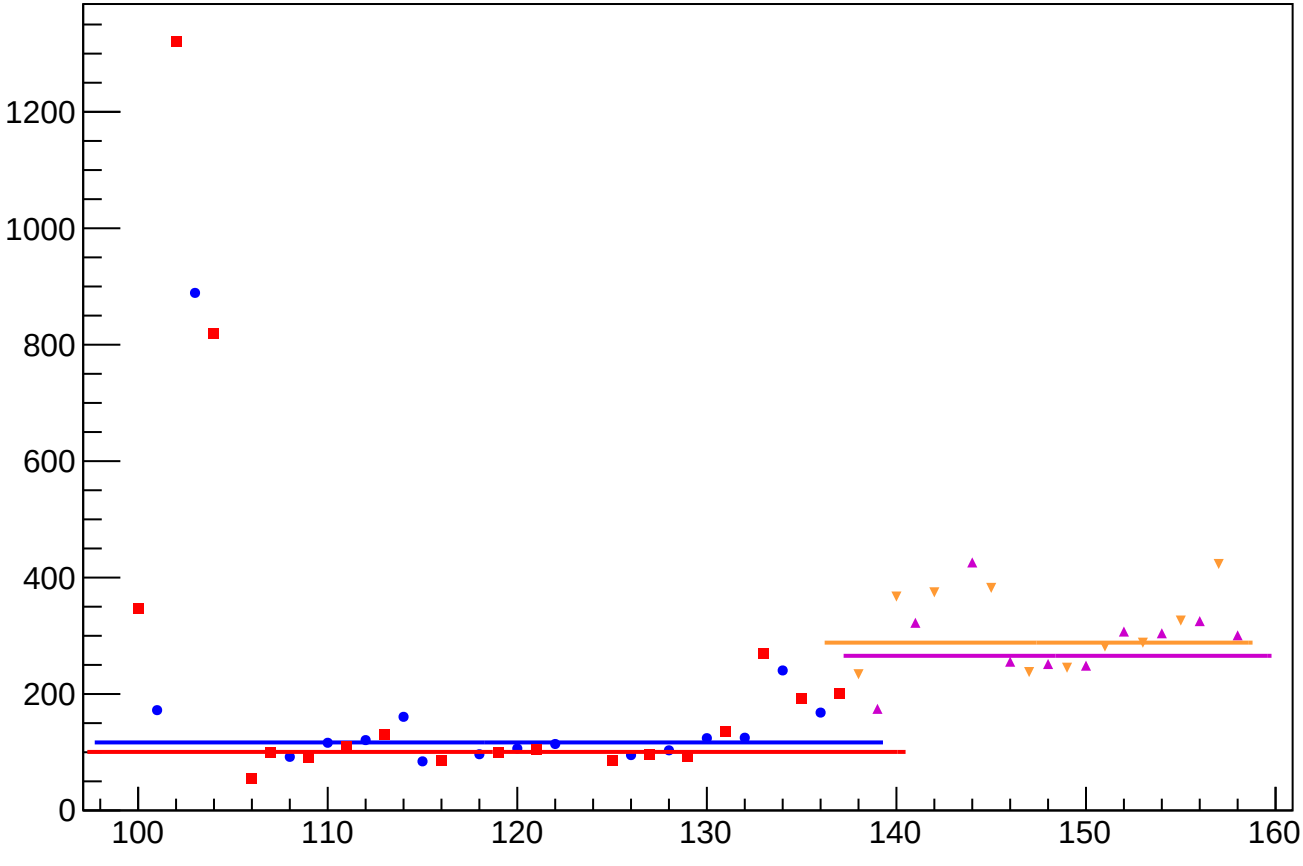
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.042 χ^2/NDF:22.2/25

Out: -0.014+/-0.040 χ^2/NDF:40.8/27

All: 0.013+/-0.029 χ^2/NDF: 63.9/53

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.270+/-0.075 χ^2/NDF:606264.4/9

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 265.616+/-0.066 χ^2/NDF:870570.8/9

Left: 275.517+/-0.050 χ^2/NDF: 1528149.1/19

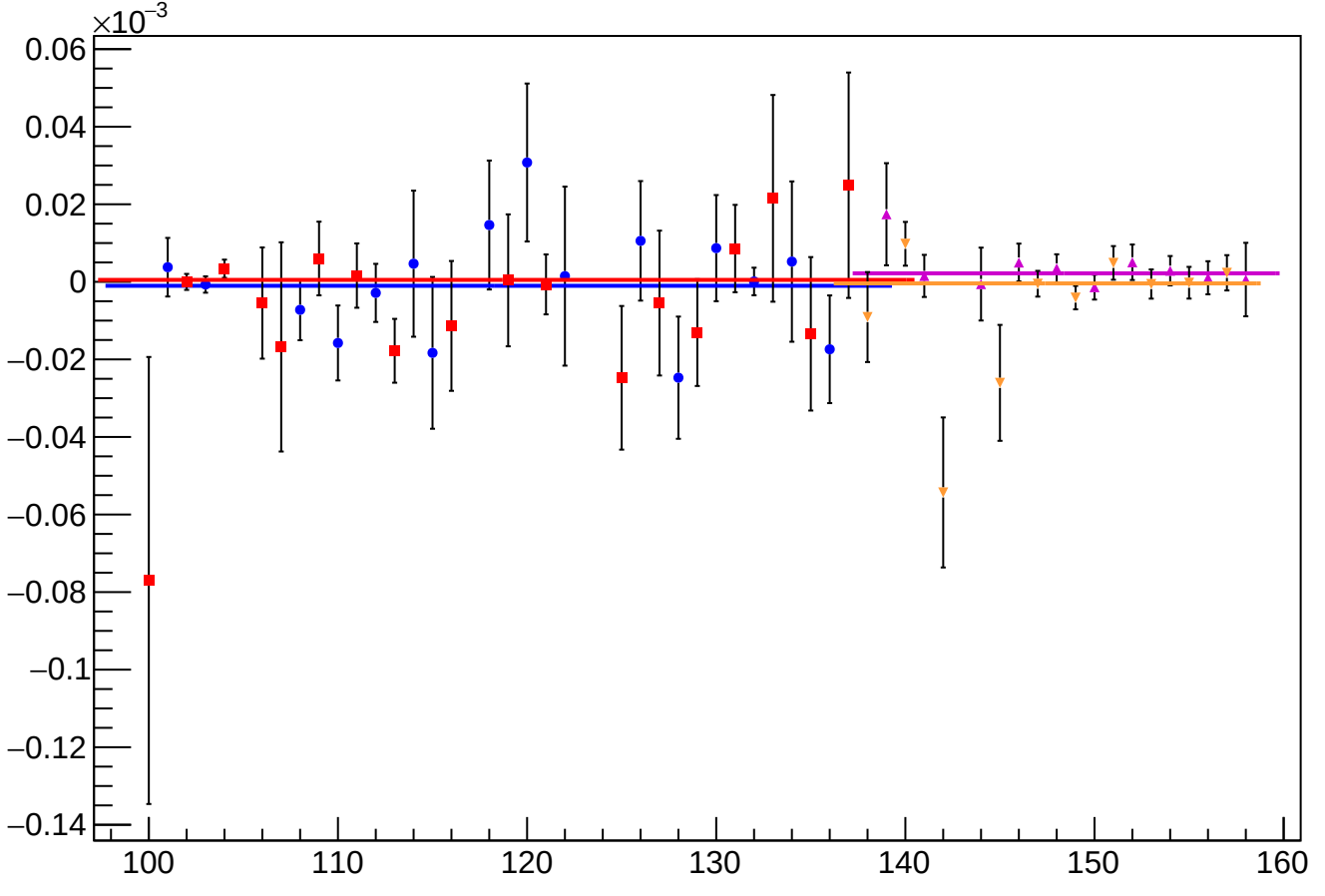
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 147.326+/-0.030 χ^2/NDF:6517471.2/25

Out: 127.425+/-0.028 χ^2/NDF:8633350.9/27

All: 136.852+/-0.021 χ^2/NDF: 15383536.3/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.7/9

Left: 0.000+/-0.000 χ^2/NDF: 23.1/19

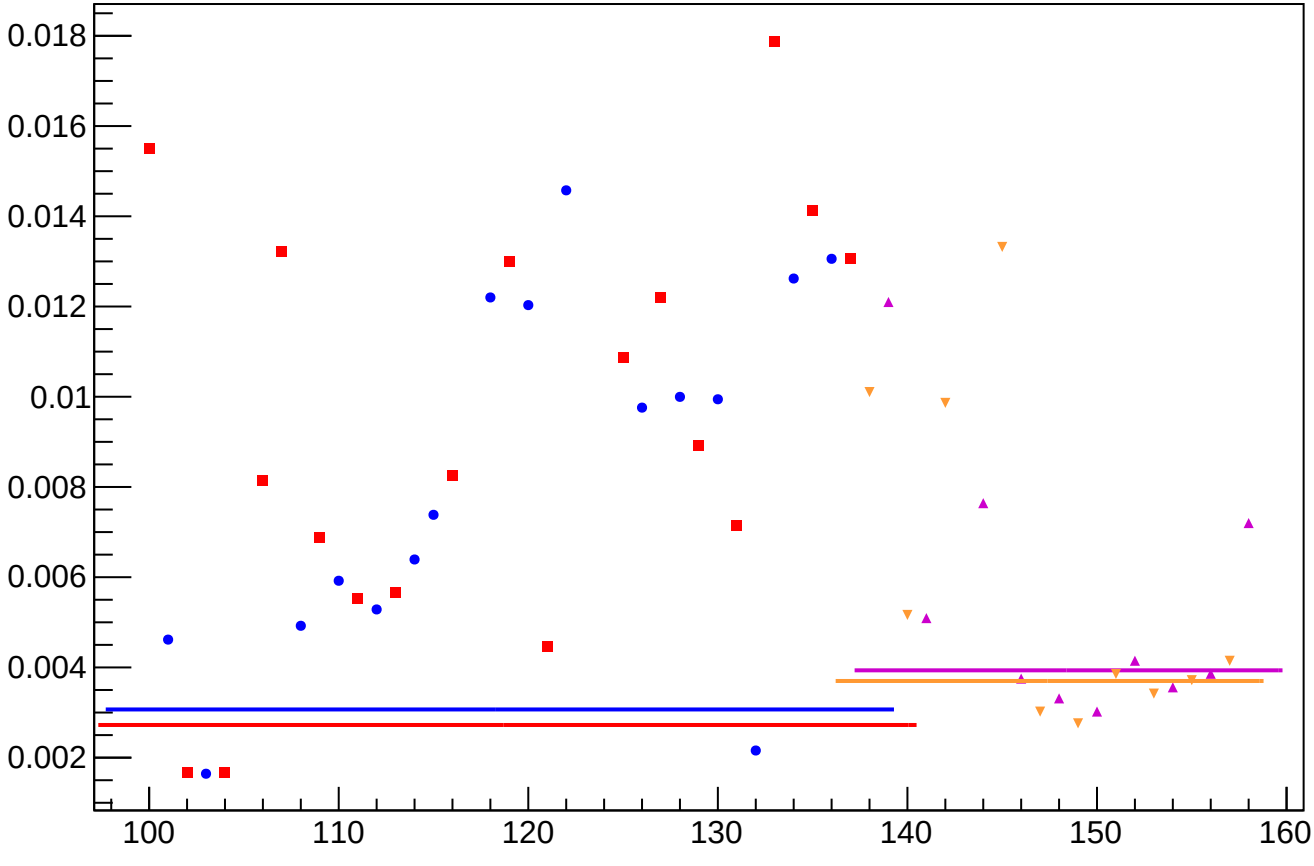
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:18.4/25

Out: 0.000+/-0.000 χ^2/NDF:33.1/27

All: 0.000+/-0.000 χ^2/NDF: 51.7/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2085327.1/9

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1658117.4/9

Left: 0.004+/-0.000 χ^2/NDF: 3769268.1/19

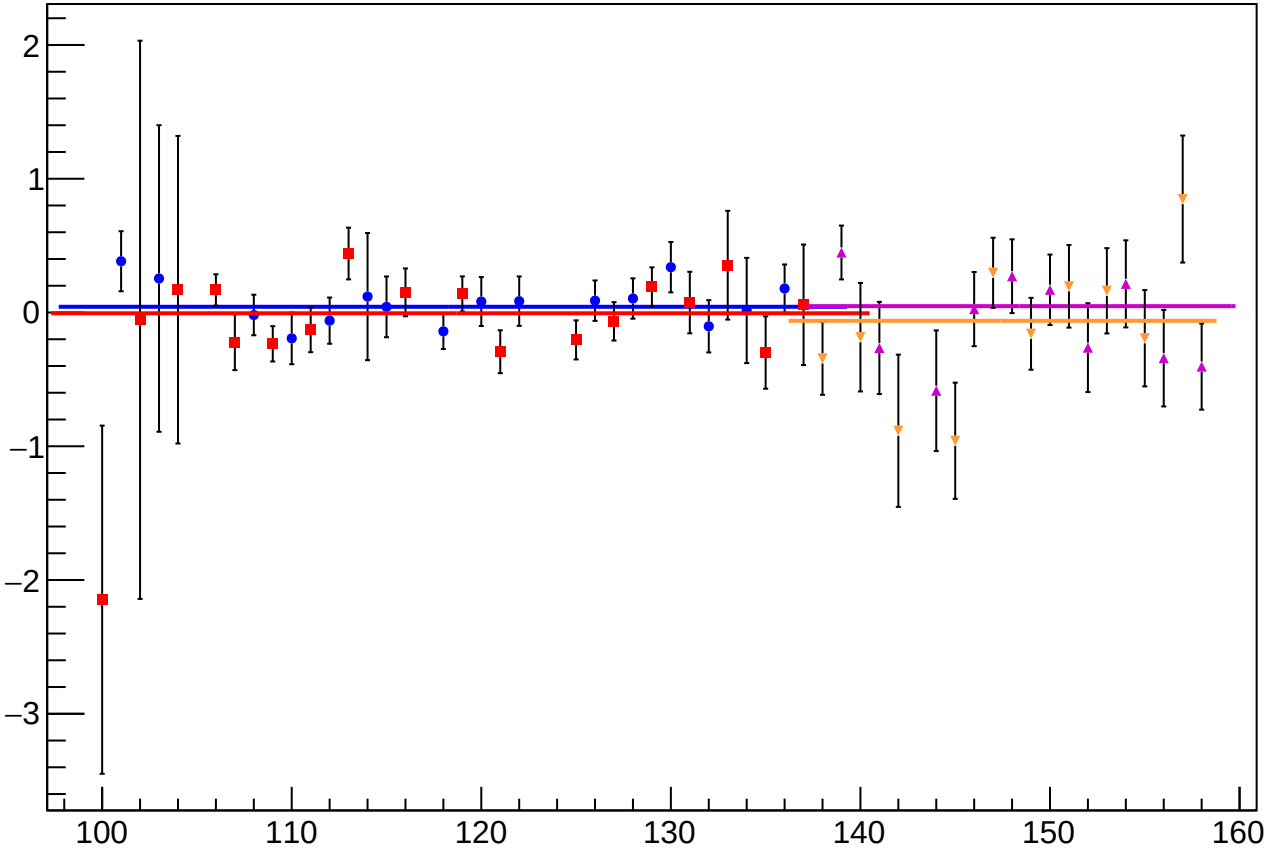
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:7941116.6/25

Out: 0.003+/-0.000 χ^2/NDF:9269562.9/27

All: 0.003+/-0.000 χ^2/NDF: 17312260.7/53

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: -0.062+/-0.106 χ^2/NDF:14.5/9

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.094 χ^2/NDF:11.9/9

Left: -0.000+/-0.070 χ^2/NDF: 27.0/19

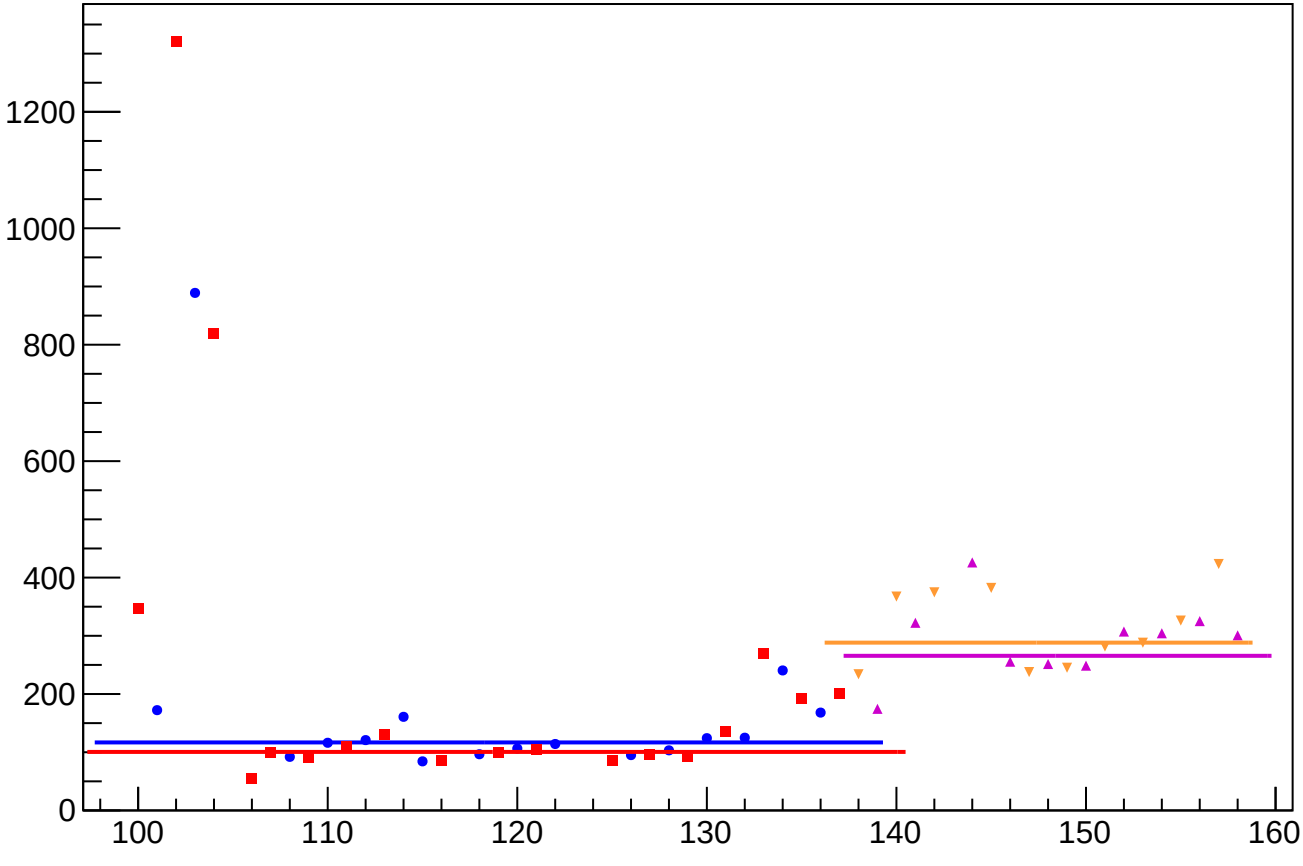
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.042 χ^2/NDF:22.2/25

Out: -0.014+/-0.040 χ^2/NDF:40.8/27

All: 0.013+/-0.029 χ^2/NDF: 63.9/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.273+/-0.075 χ^2/NDF:606265.1/9

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 265.620+/-0.066 χ^2/NDF:870530.6/9

Left: 275.520+/-0.050 χ^2/NDF: 1528103.7/19

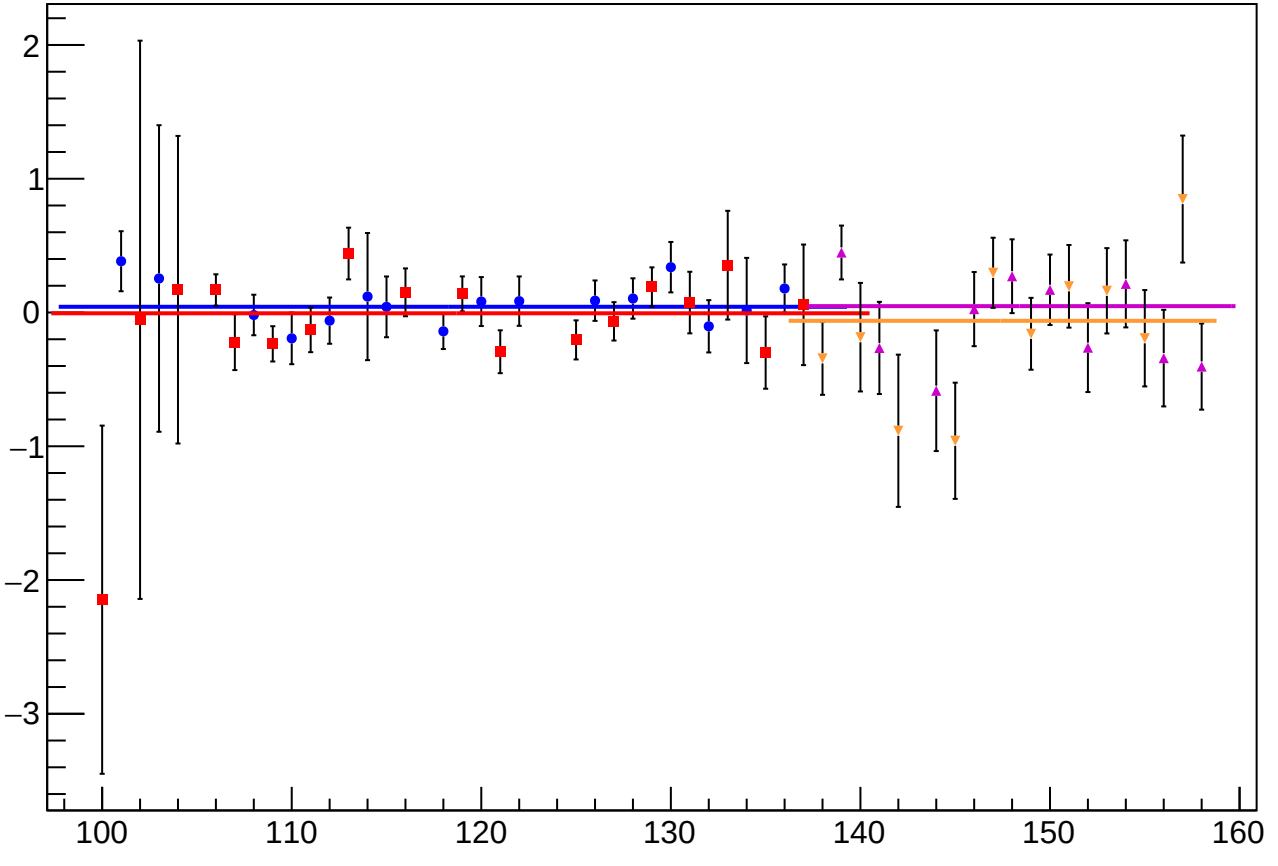
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 147.326+/-0.030 χ^2/NDF:6517553.6/25

Out: 127.424+/-0.028 χ^2/NDF:8633560.0/27

All: 136.852+/-0.021 χ^2/NDF: 15383855.3/53

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: -0.062+/-0.106 χ^2/NDF:14.5/9

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.094 χ^2/NDF:11.9/9

Left: -0.000+/-0.070 χ^2/NDF: 27.0/19

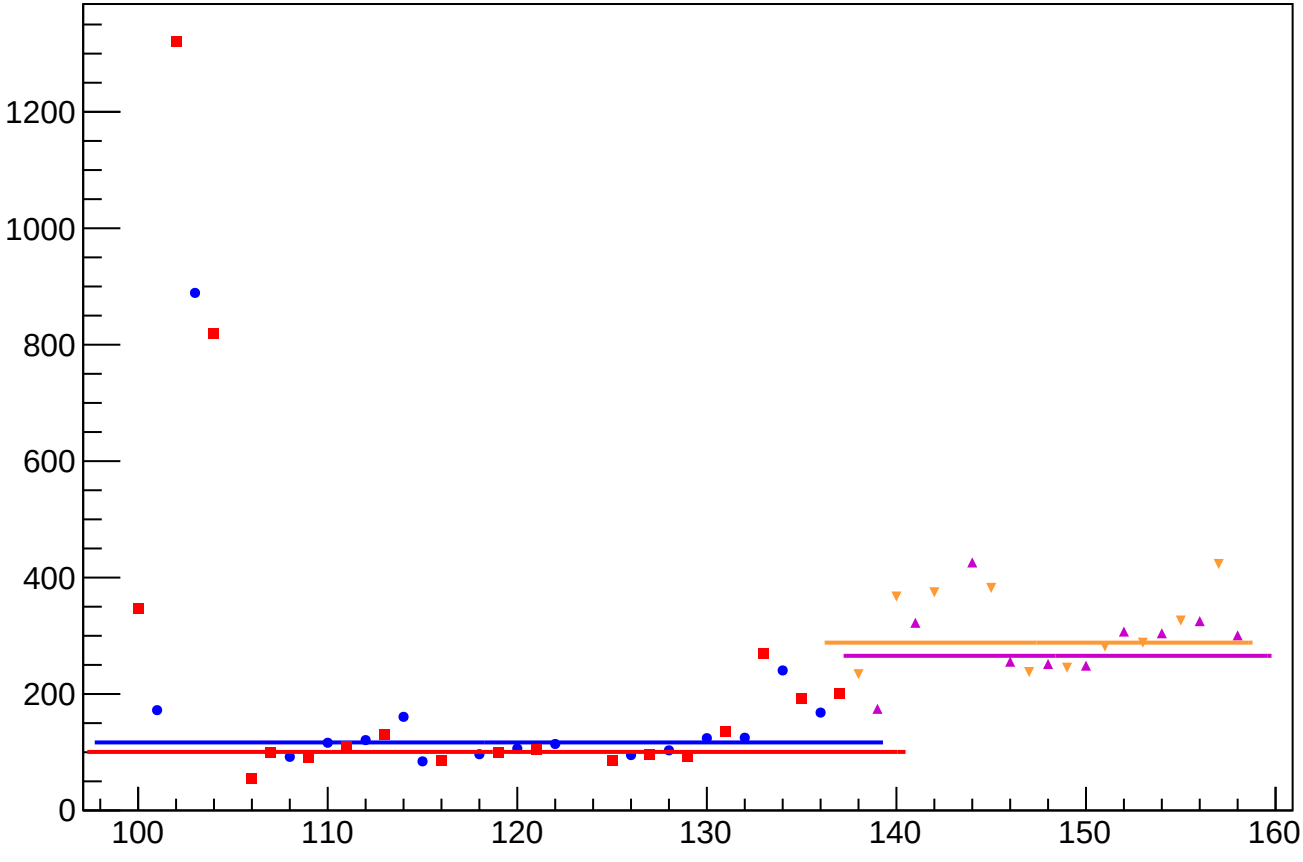
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.042 χ^2/NDF:22.2/25

Out: -0.014+/-0.040 χ^2/NDF:40.8/27

All: 0.013+/-0.029 χ^2/NDF: 63.9/53

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.273+/-0.075 χ^2/NDF:606265.1/9

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 265.620+/-0.066 χ^2/NDF:870530.6/9

Left: 275.520+/-0.050 χ^2/NDF: 1528103.7/19

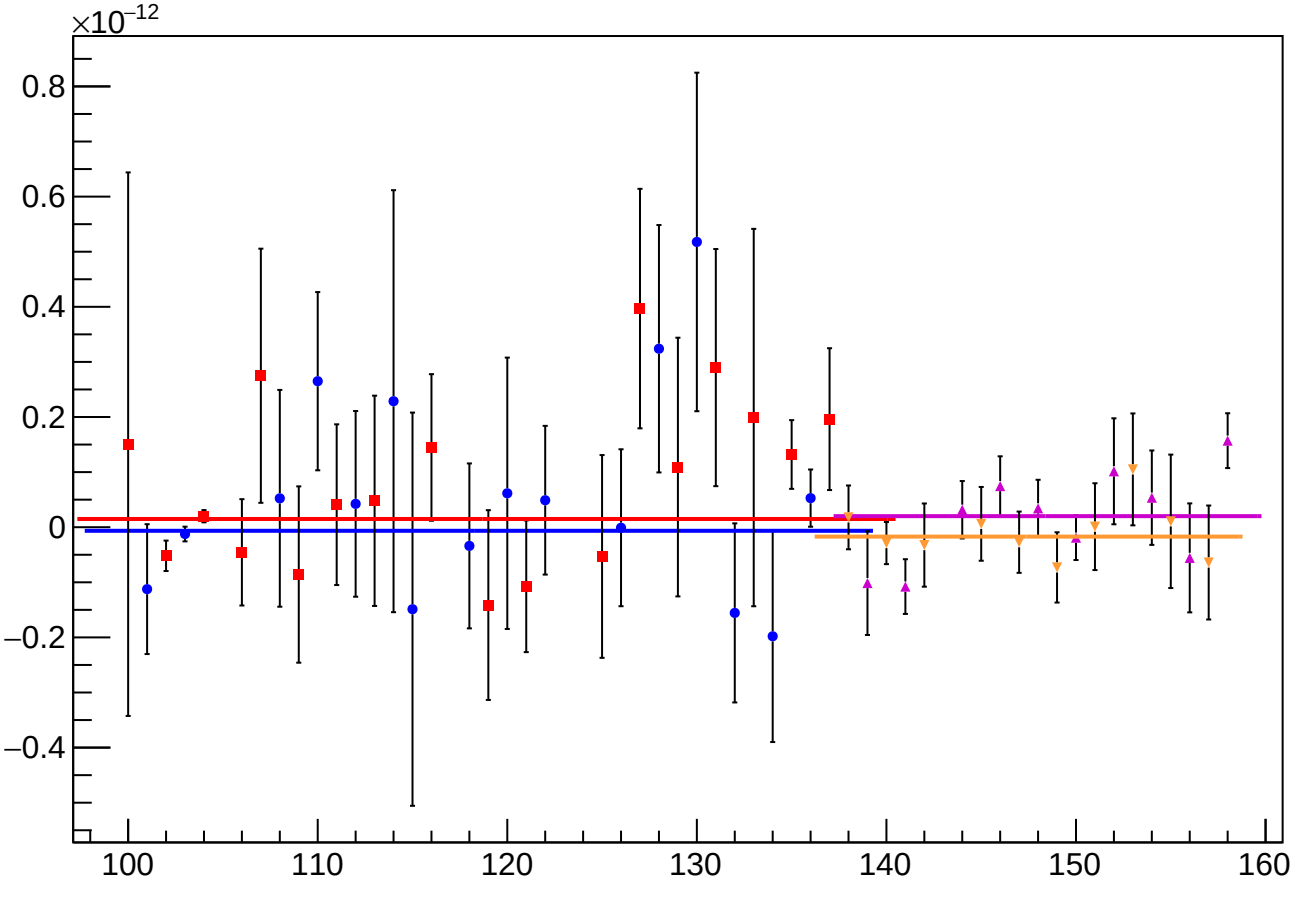
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 147.326+/-0.030 χ^2/NDF:6517553.6/25

Out: 127.424+/-0.028 χ^2/NDF:8633560.0/27

All: 136.852+/-0.021 χ^2/NDF: 15383855.3/53

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:3.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:19.4/9

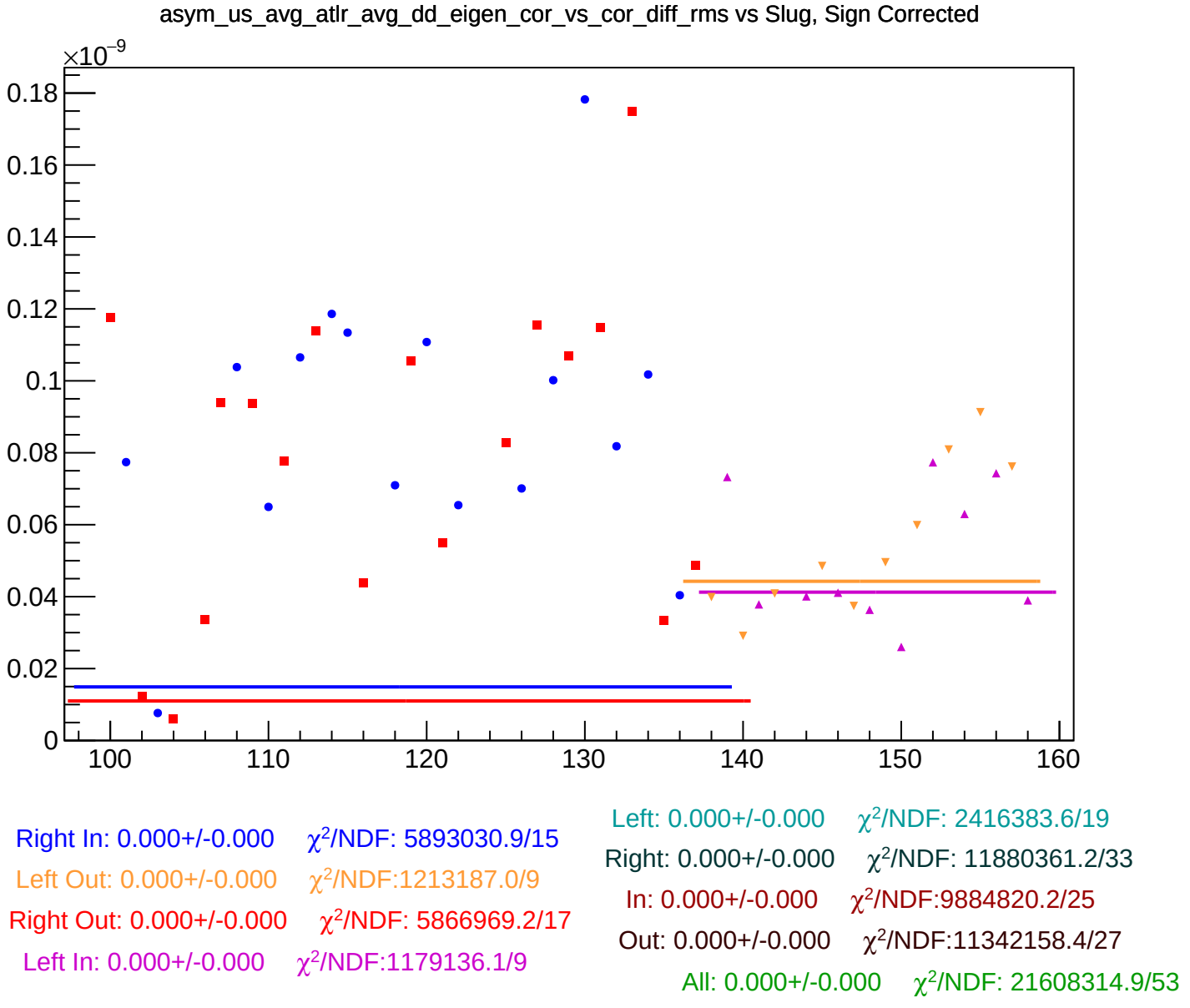
Left: 0.000+/-0.000 χ^2/NDF: 24.4/19

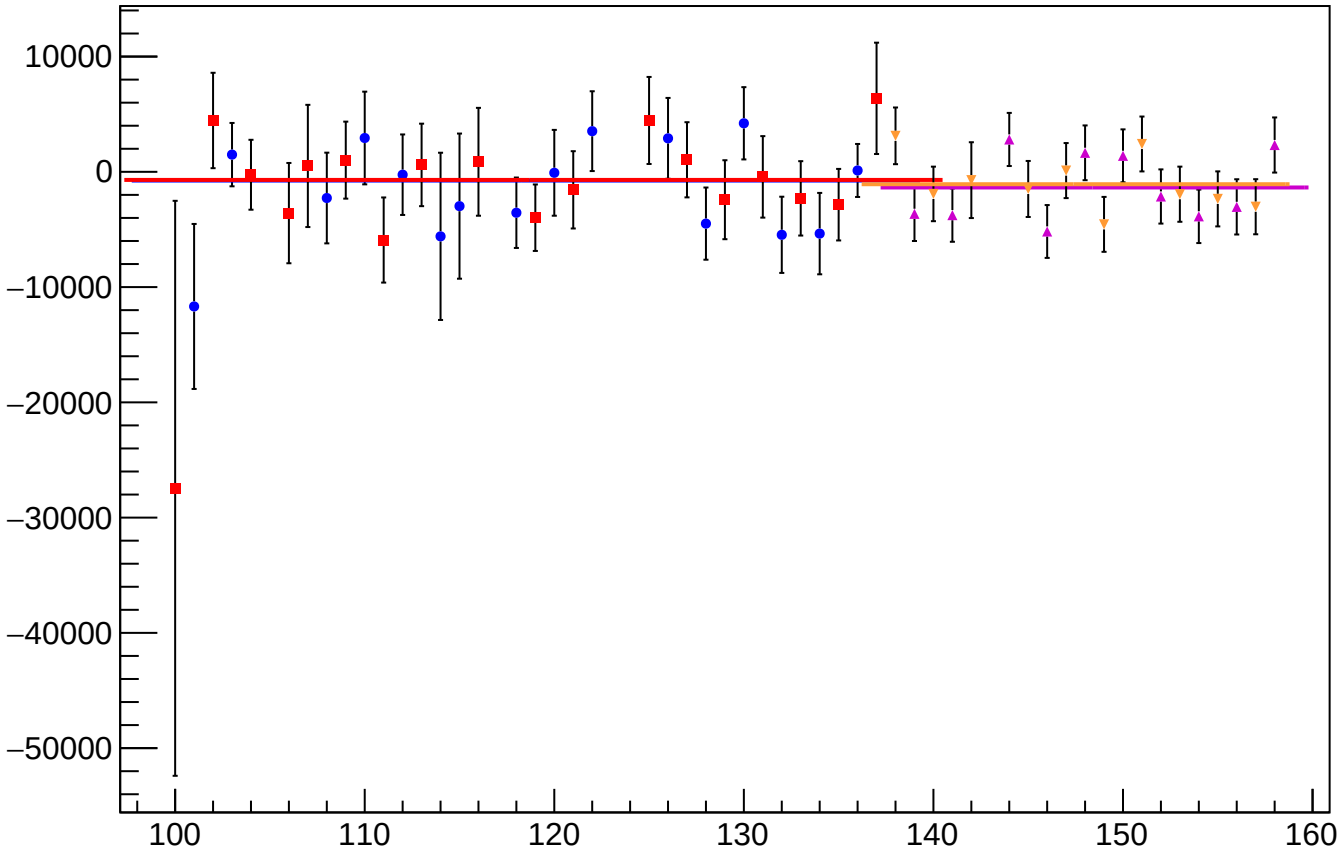
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:33.9/25

Out: 0.000+/-0.000 χ^2/NDF:27.0/27

All: 0.000+/-0.000 χ^2/NDF: 61.2/53


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1213187.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1179136.1/9
Left: 0.000+/-0.000 χ²/NDF: 2416383.6/19
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:9884820.2/25
Out: 0.000+/-0.000 χ²/NDF:11342158.4/27
All: 0.000+/-0.000 χ²/NDF: 21608314.9/53



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -1074.811+/-776.380 χ^2/NDF:8.7/9

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -1358.066+/-739.571 χ^2/NDF:15.2/9

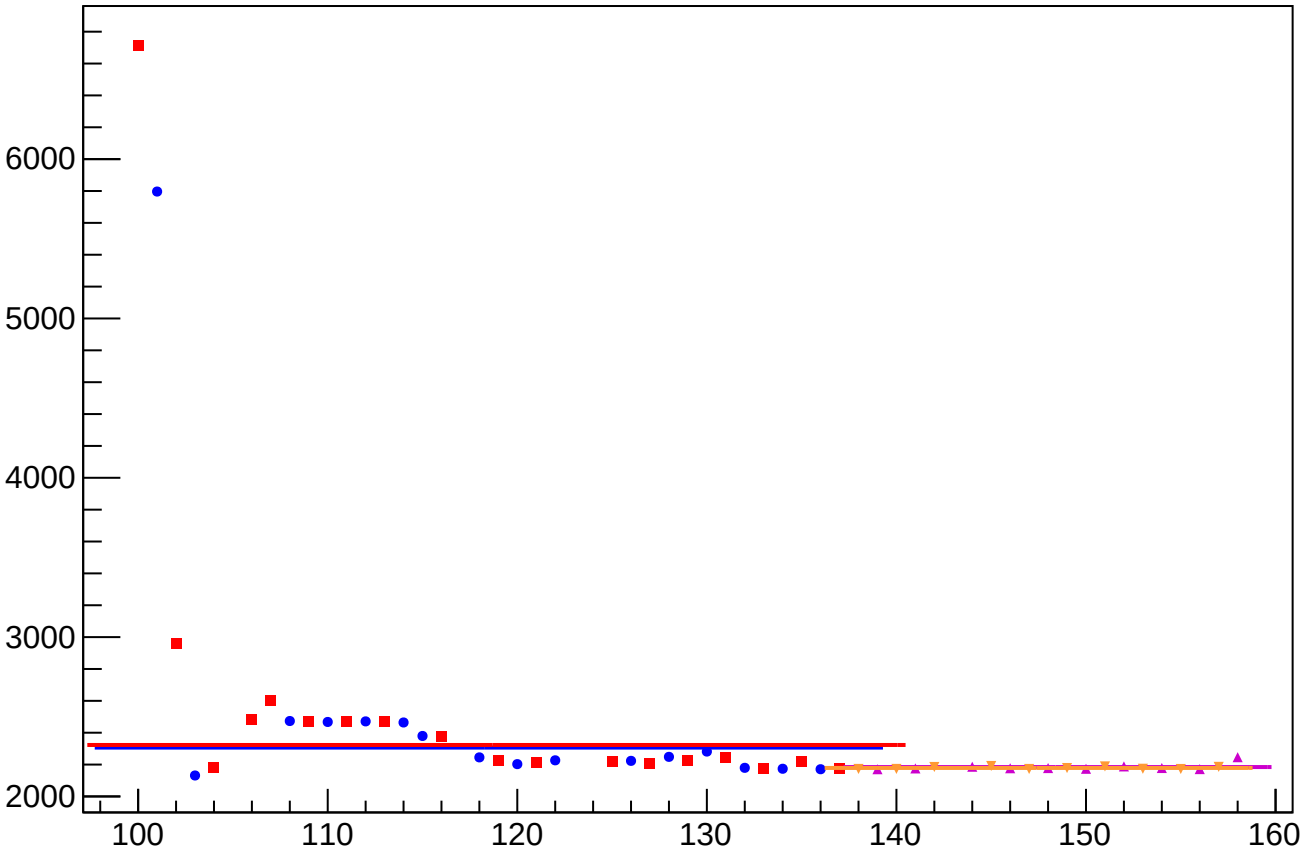
Left: -1223.313+/-535.496 χ^2/NDF: 24.0/19

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1105.680+/-564.204 χ^2/NDF:31.4/25

Out: -909.338+/-578.865 χ^2/NDF:21.2/27

All: -1010.027+/-404.036 χ^2/NDF: 52.6/53



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.867+/-0.549 χ^2/NDF:172.3/9

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

Left: 2181.815+/-0.379 χ^2/NDF: 1815.3/19

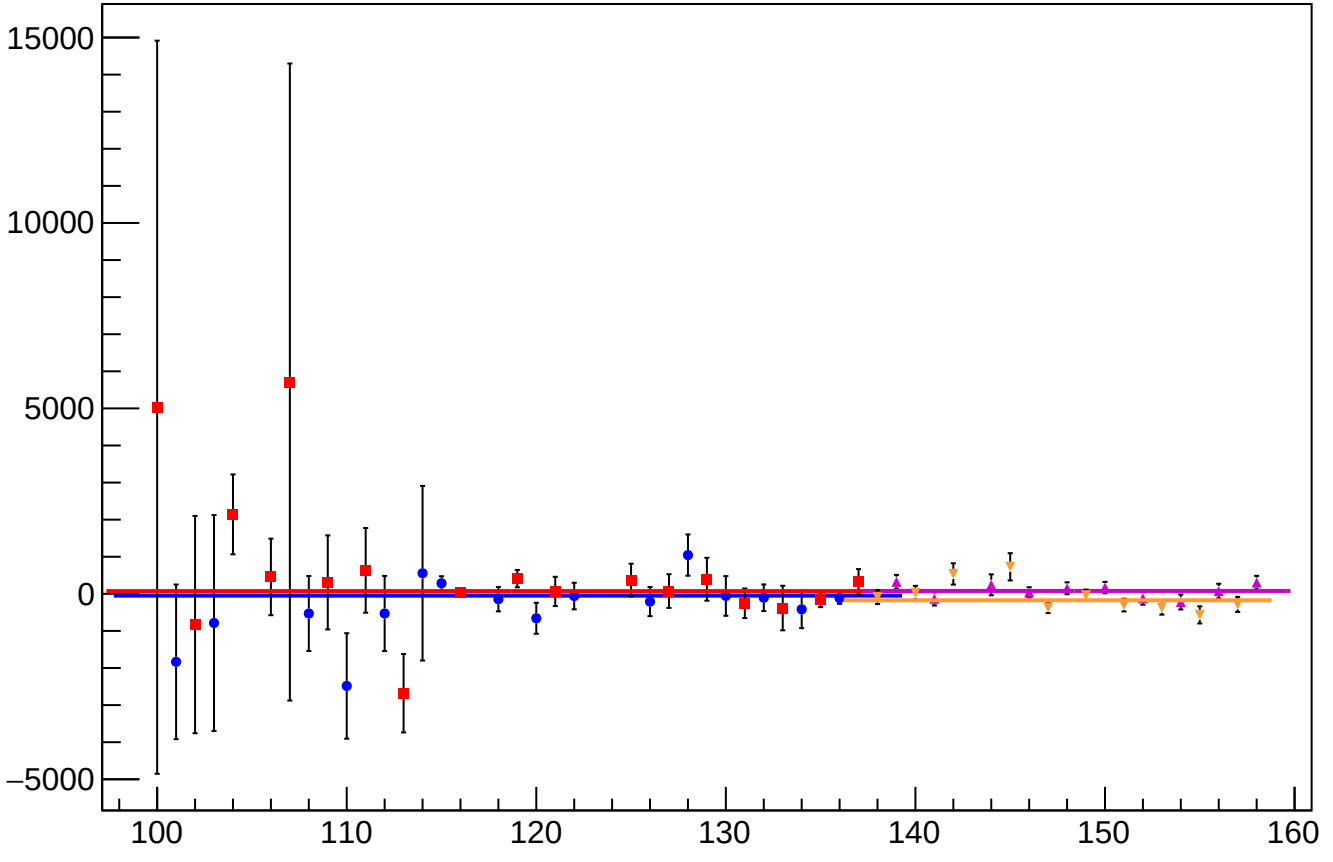
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2235.552+/-0.399 χ^2/NDF:538545.4/25

Out: 2242.879+/-0.409 χ^2/NDF:182575.0/27

All: 2239.122+/-0.286 χ^2/NDF: 721284.7/53

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: -173.753+/-60.739 χ^2/NDF:21.0/9

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 78.583+/-56.137 χ^2/NDF:9.1/9

Left: -37.666+/-41.226 χ^2/NDF: 39.4/19

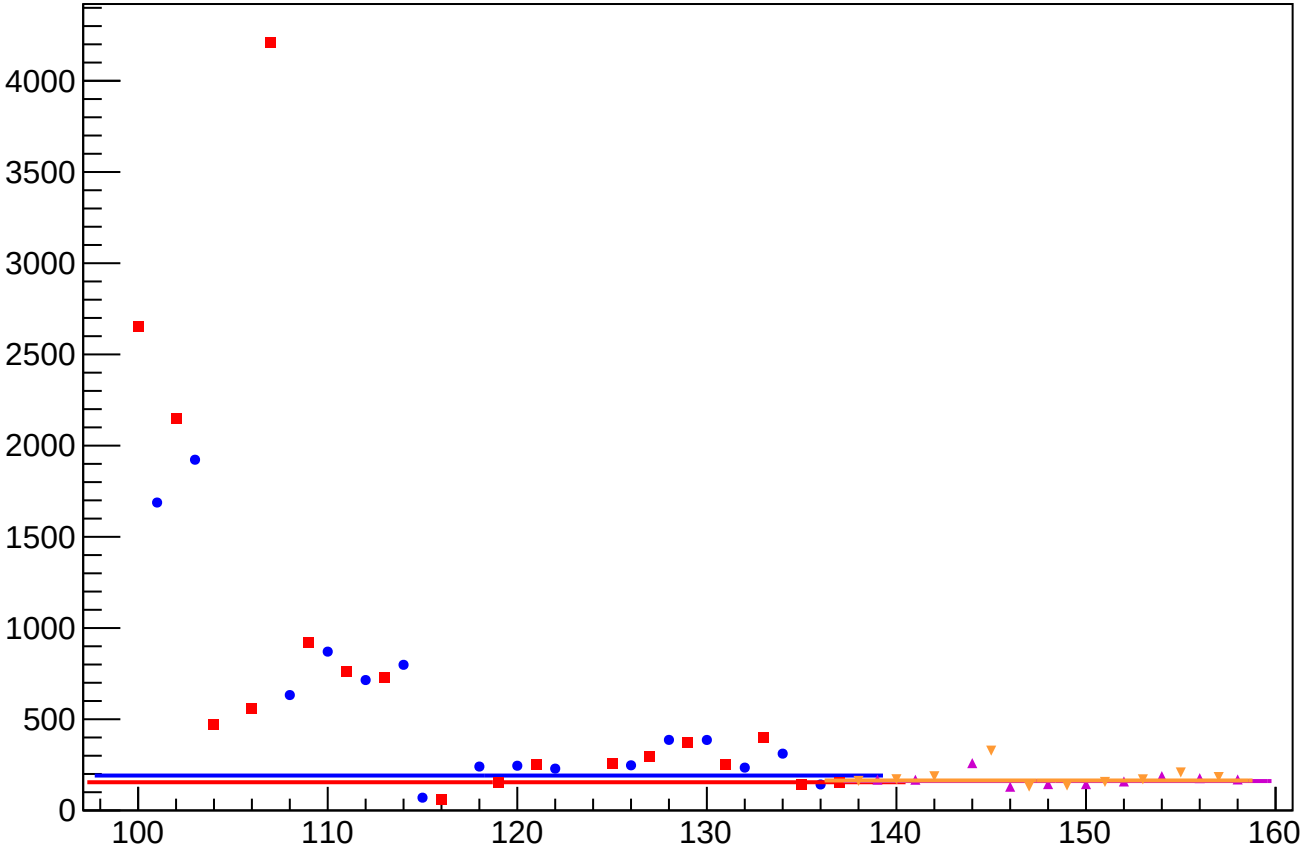
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 43.662+/-47.765 χ^2/NDF:24.8/25

Out: -86.437+/-48.888 χ^2/NDF:44.5/27

All: -19.876+/-34.165 χ^2/NDF: 73.0/53

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 164.318+/-0.043 χ^2/NDF:681245.5/9

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 161.146+/-0.040 χ^2/NDF:445457.3/9

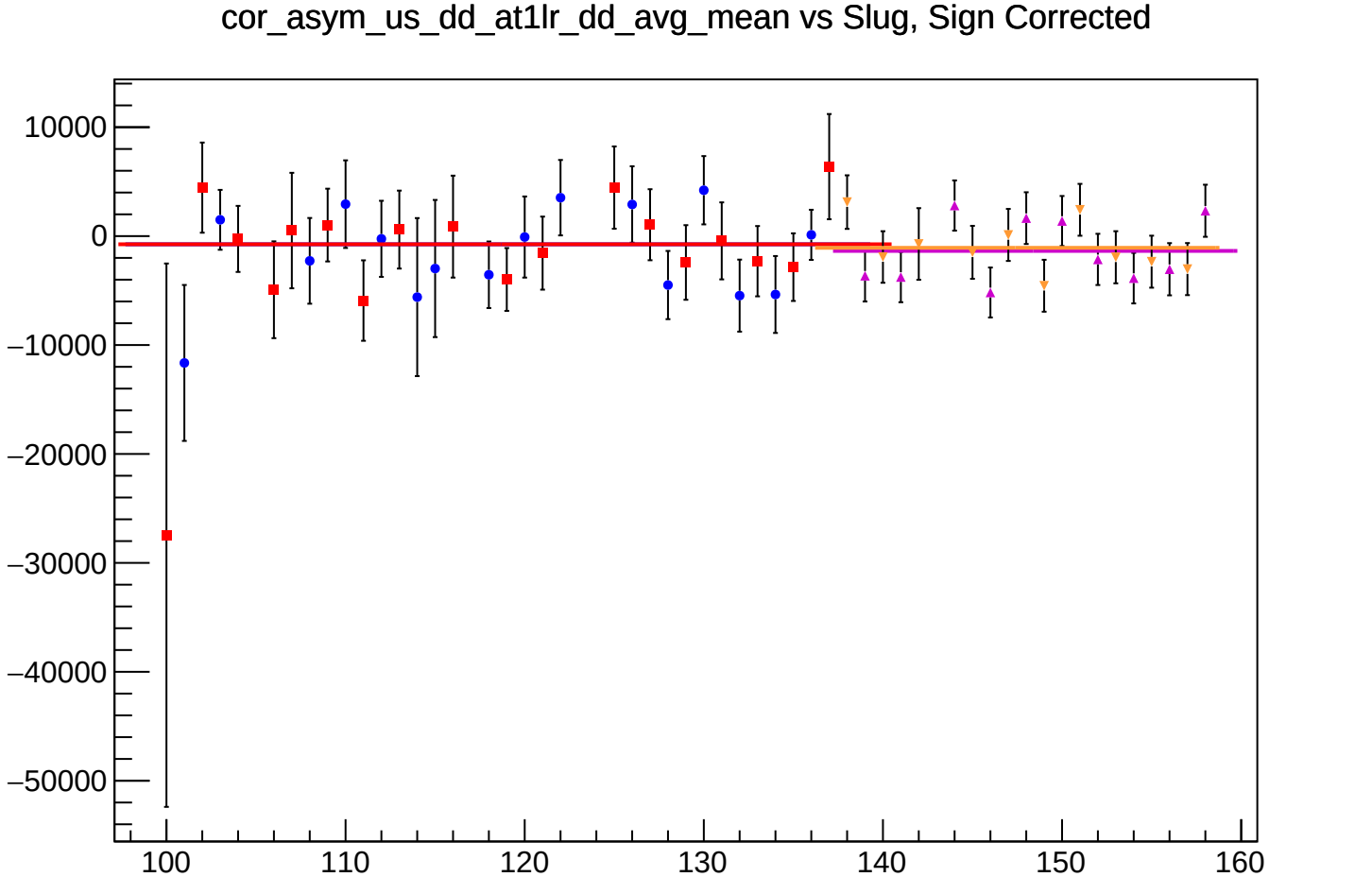
Left: 162.607+/-0.029 χ^2/NDF: 1129644.6/19

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 169.491+/-0.034 χ^2/NDF:5670348.0/25

Out: 160.923+/-0.035 χ^2/NDF:6853275.8/27

All: 165.306+/-0.024 χ^2/NDF: 12555058.5/53



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1074.828+/-776.380 χ^2/NDF:8.7/9

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1357.966+/-739.571 χ^2/NDF:15.2/9

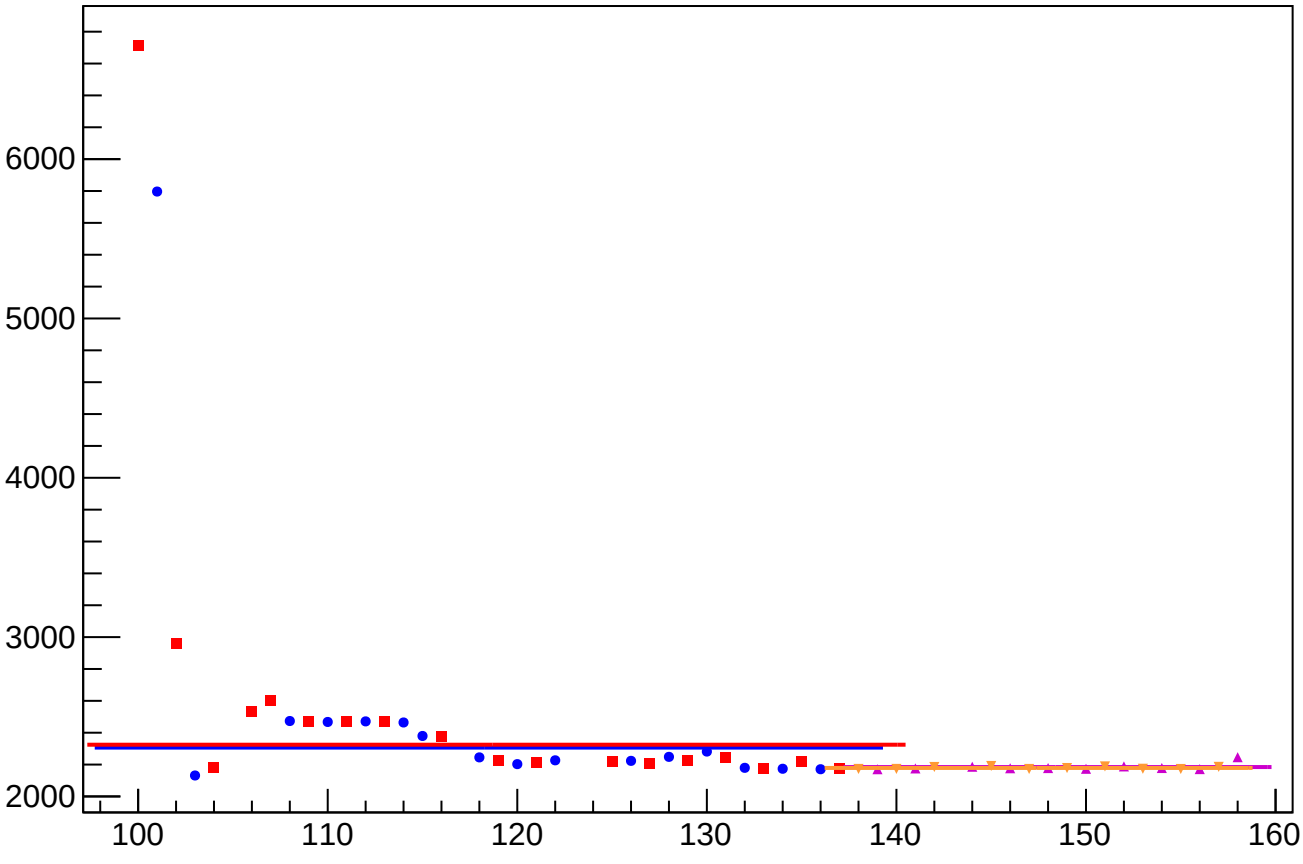
Left: -1223.268+/-535.496 χ^2/NDF: 24.0/19

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1105.217+/-564.204 χ^2/NDF:31.4/25

Out: -930.405+/-579.078 χ^2/NDF:21.6/27

All: -1020.085+/-404.109 χ^2/NDF: 53.0/53



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.549 χ^2/NDF:172.3/9

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

Left: 2181.815+/-0.379 χ^2/NDF: 1815.3/19

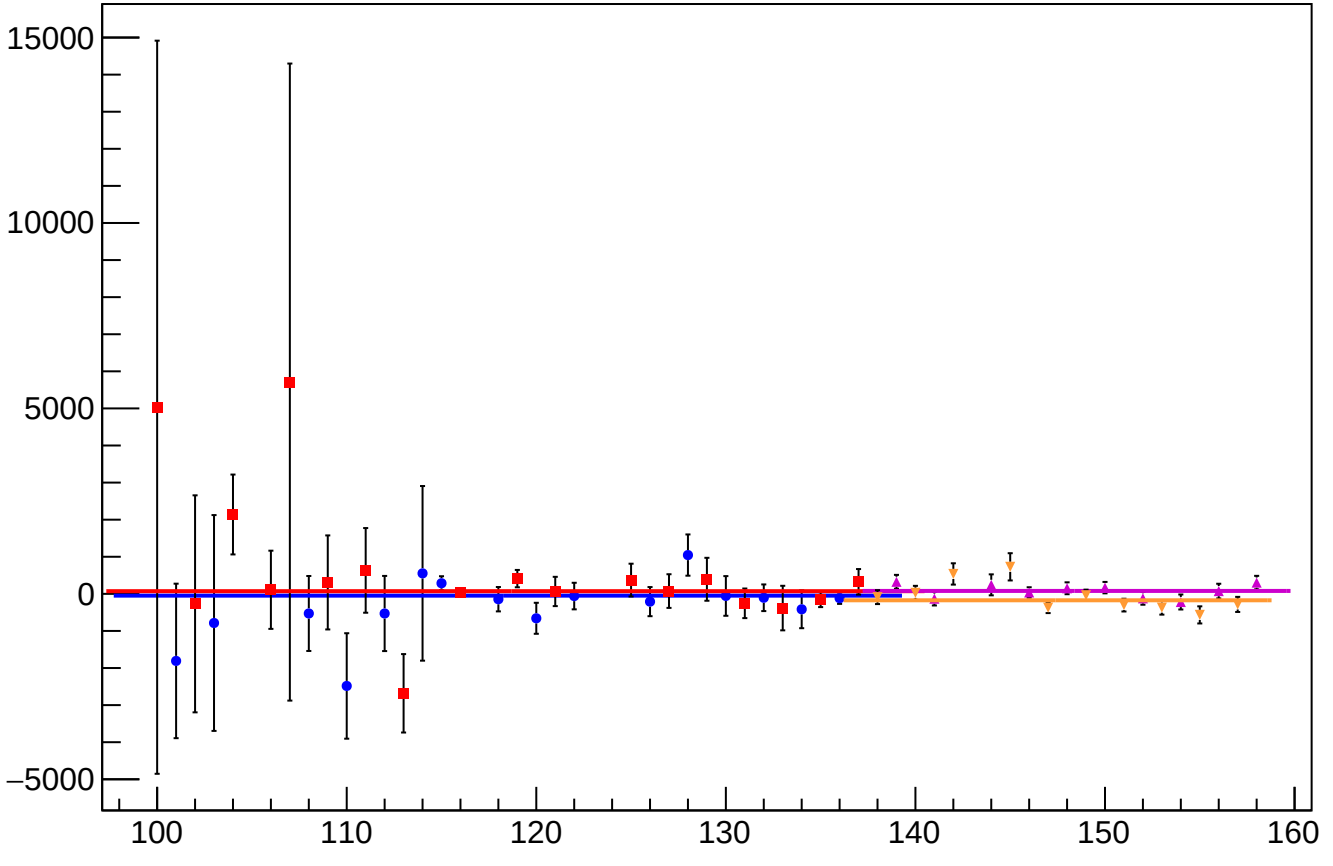
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2235.552+/-0.399 χ^2/NDF:538545.7/25

Out: 2243.563+/-0.409 χ^2/NDF:185052.9/27

All: 2239.453+/-0.286 χ^2/NDF: 723795.0/53

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: -173.717+/-60.740 χ^2/NDF:21.0/9

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 78.644+/-56.142 χ^2/NDF:9.0/9

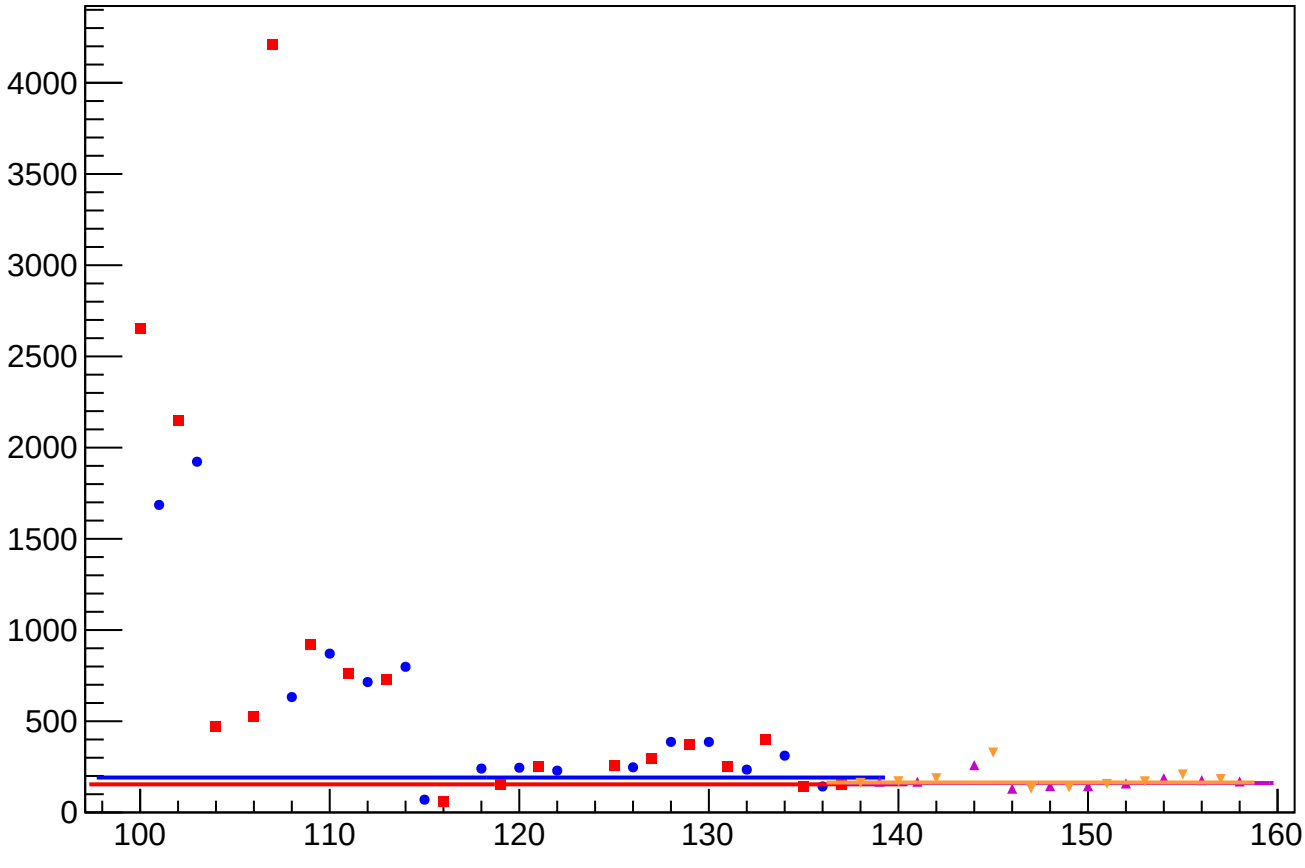
Left: -37.624+/-41.228 χ^2/NDF: 39.3/19

Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 43.696+/-47.769 χ^2/NDF:24.8/25

Out: -87.033+/-48.876 χ^2/NDF:44.2/27

All: -20.171+/-34.162 χ^2/NDF: 72.6/53



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 164.320+/-0.043 χ^2/NDF:681295.8/9

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.160+/-0.040 χ^2/NDF:445435.1/9

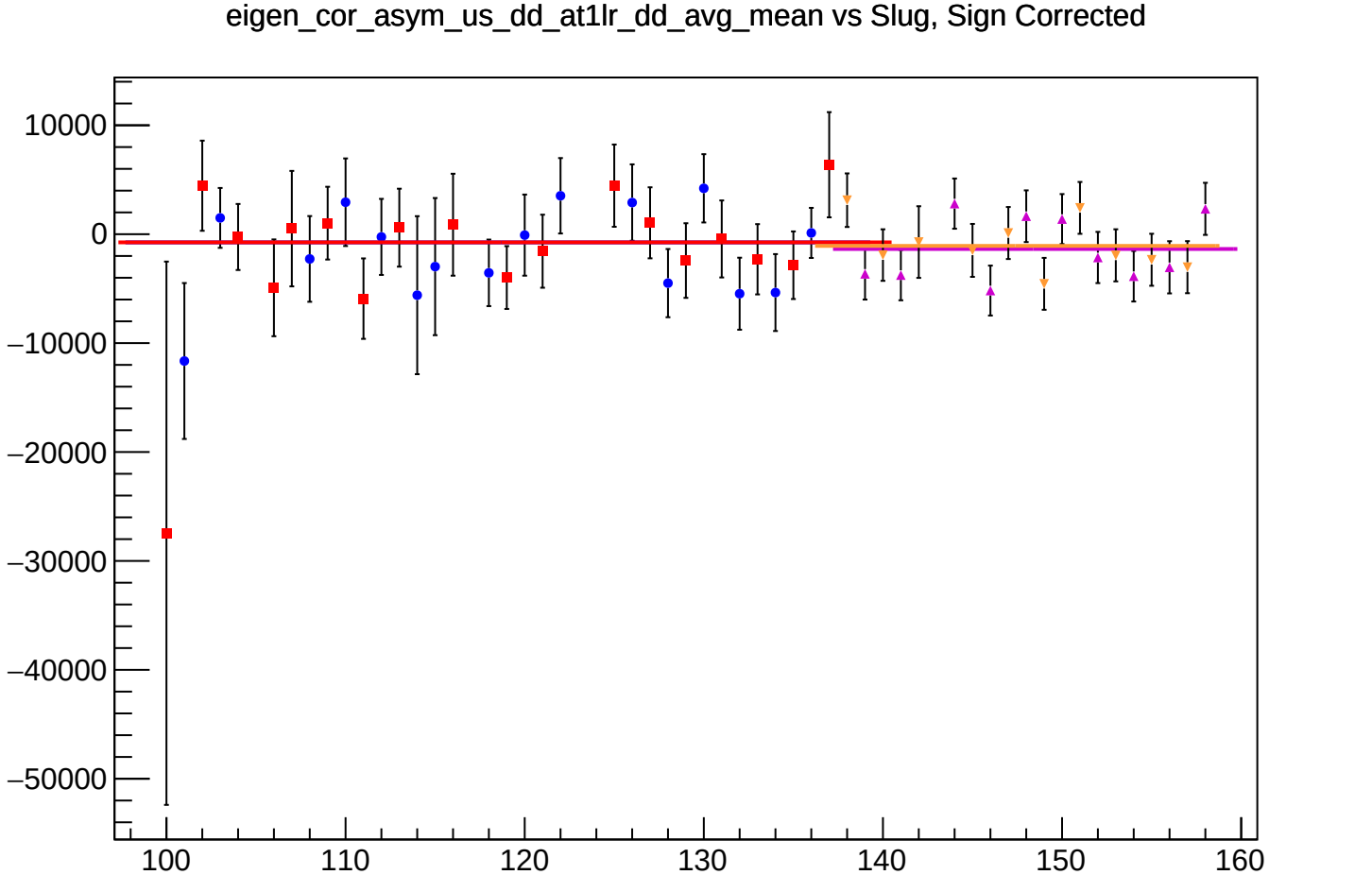
Left: 162.616+/-0.029 χ^2/NDF: 1129649.6/19

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 169.509+/-0.034 χ^2/NDF:5669260.5/25

Out: 160.725+/-0.035 χ^2/NDF:6809838.2/27

All: 165.218+/-0.024 χ^2/NDF: 12512138.9/53



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1074.828+/-776.380 χ^2/NDF:8.7/9

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1357.966+/-739.571 χ^2/NDF:15.2/9

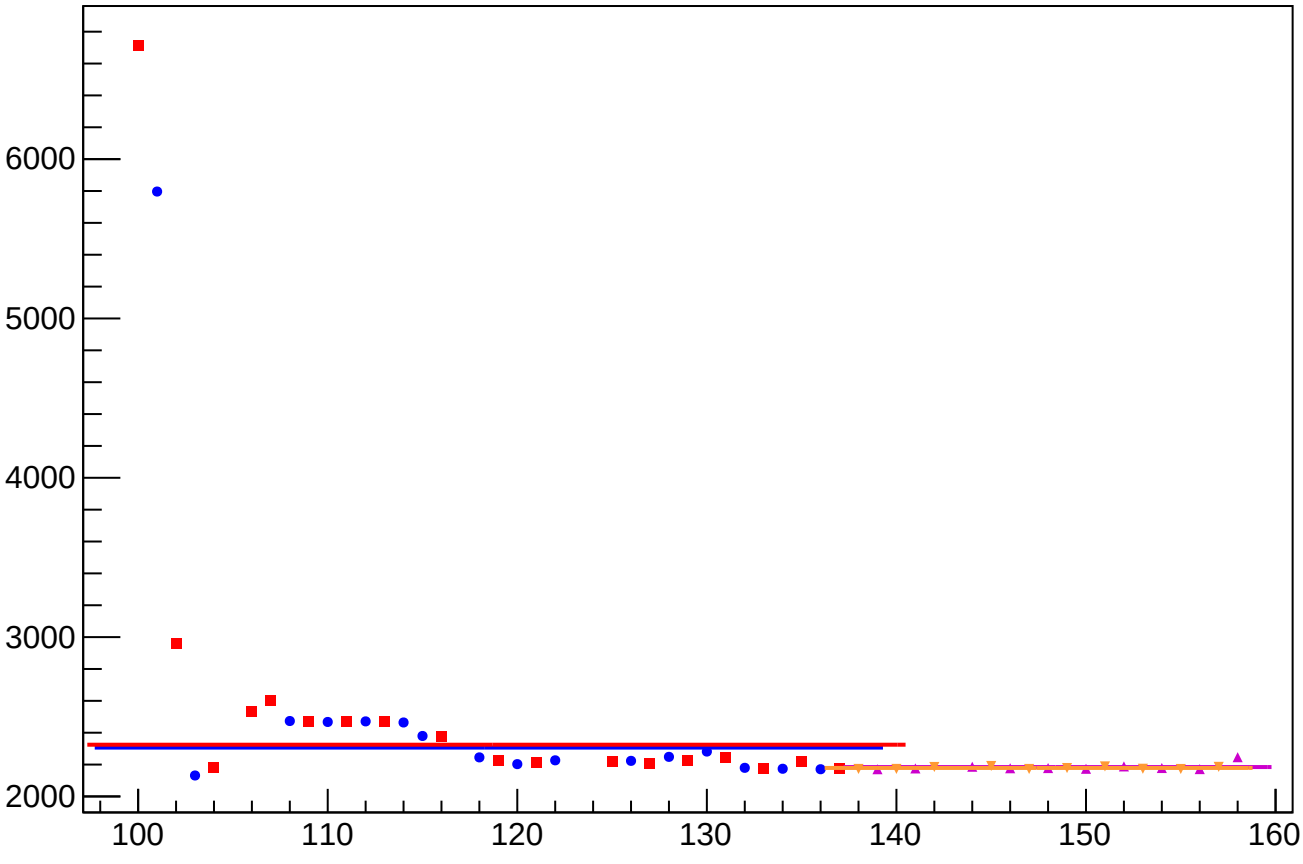
Left: -1223.268+/-535.496 χ^2/NDF: 24.0/19

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1105.217+/-564.204 χ^2/NDF:31.4/25

Out: -930.405+/-579.078 χ^2/NDF:21.6/27

All: -1020.085+/-404.109 χ^2/NDF: 53.0/53



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.549 χ^2/NDF:172.3/9

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

Left: 2181.815+/-0.379 χ^2/NDF: 1815.3/19

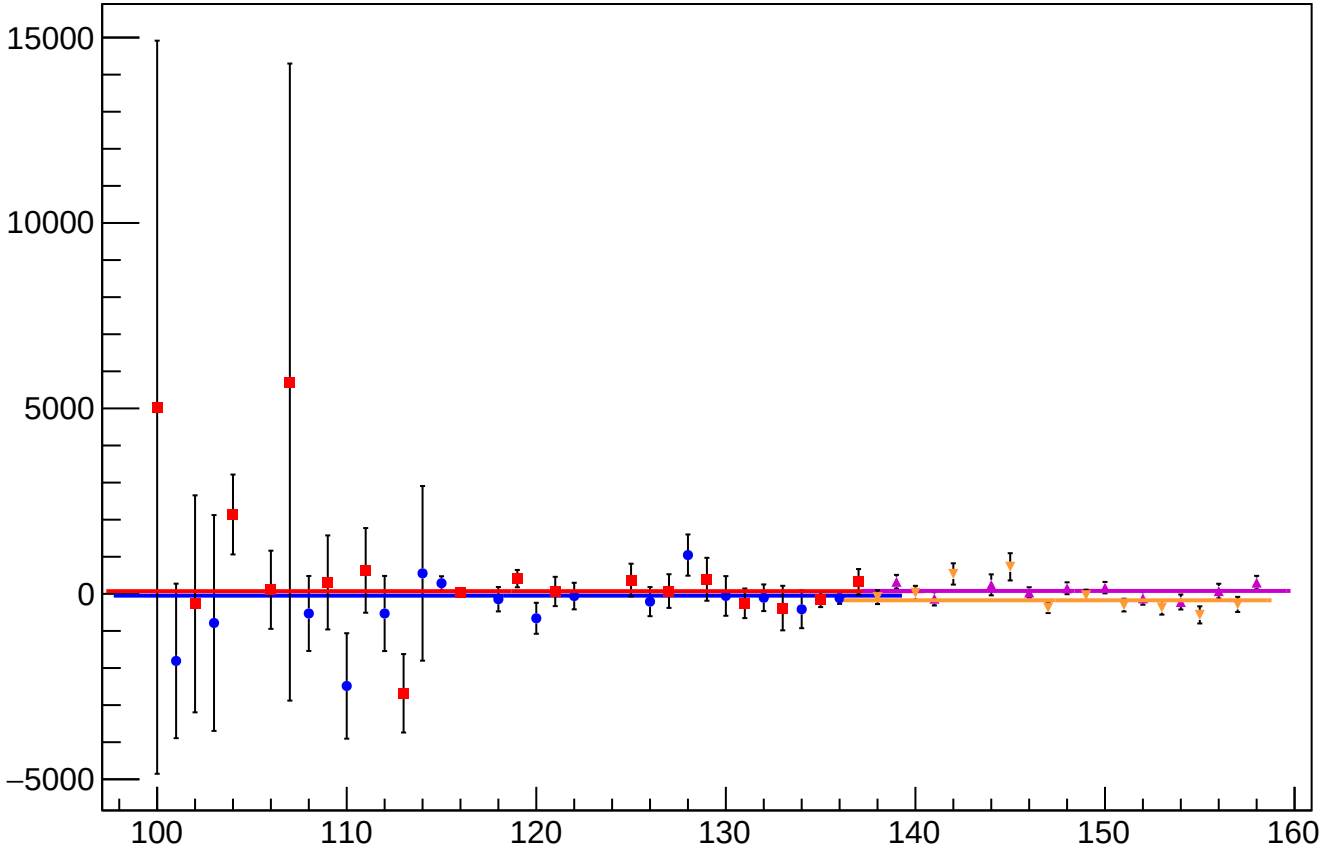
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2235.552+/-0.399 χ^2/NDF:538545.7/25

Out: 2243.563+/-0.409 χ^2/NDF:185052.9/27

All: 2239.453+/-0.286 χ^2/NDF: 723795.0/53

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: -173.717+/-60.740 χ^2/NDF:21.0/9

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 78.644+/-56.142 χ^2/NDF:9.0/9

Left: -37.624+/-41.228 χ^2/NDF: 39.3/19

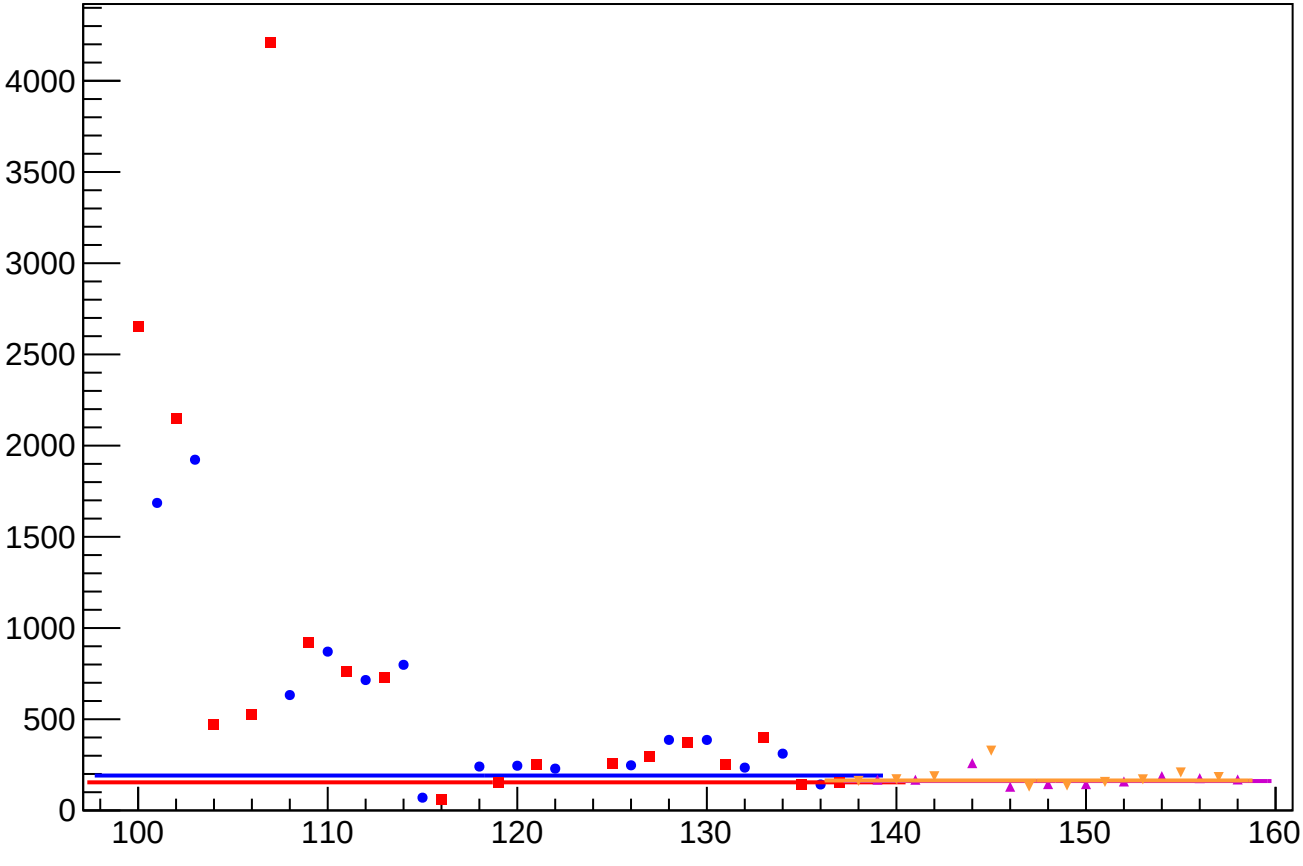
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 43.696+/-47.769 χ^2/NDF:24.8/25

Out: -87.033+/-48.876 χ^2/NDF:44.2/27

All: -20.171+/-34.162 χ^2/NDF: 72.6/53

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 164.320+/-0.043 χ^2/NDF:681295.8/9

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.160+/-0.040 χ^2/NDF:445435.1/9

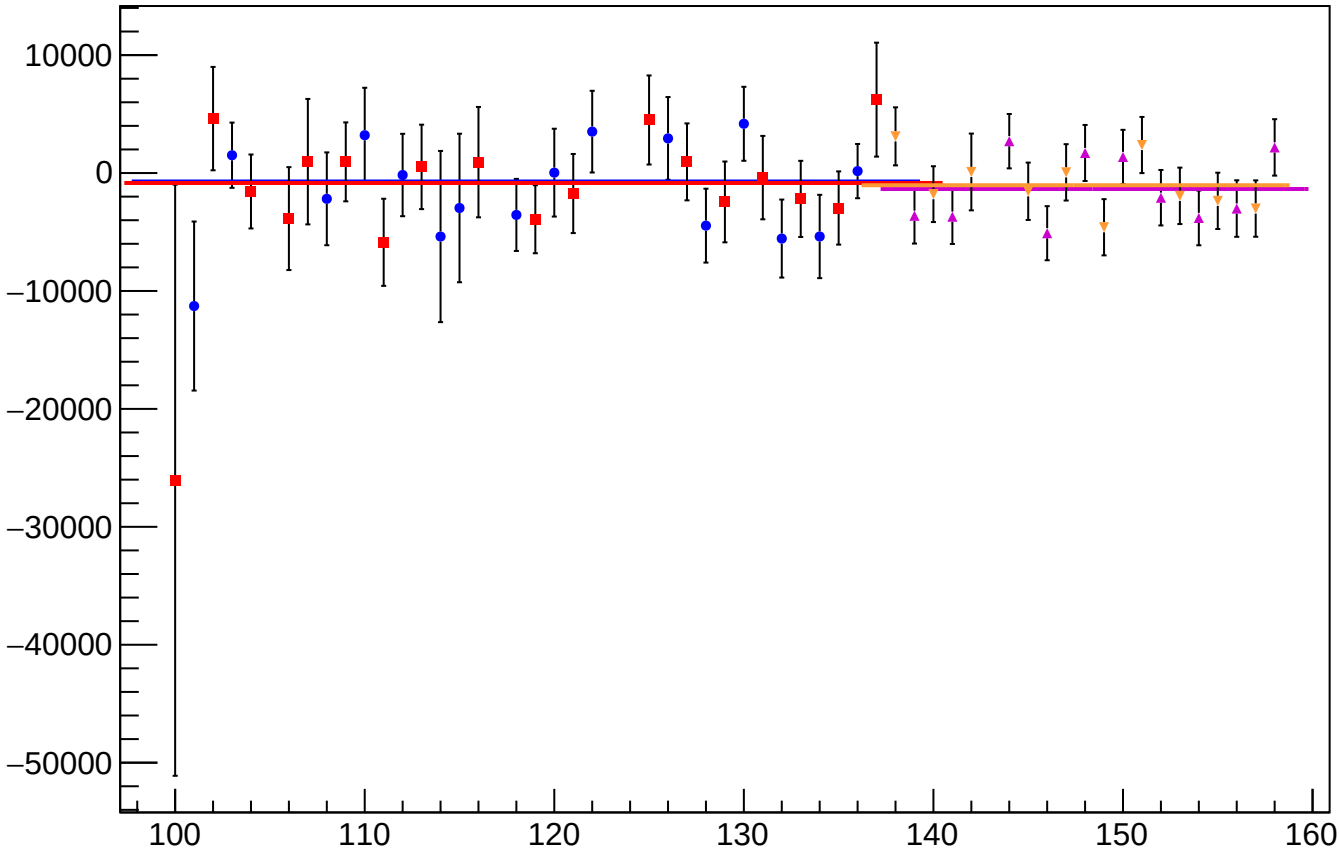
Left: 162.616+/-0.029 χ^2/NDF: 1129649.6/19

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 169.509+/-0.034 χ^2/NDF:5669260.5/25

Out: 160.725+/-0.035 χ^2/NDF:6809838.2/27

All: 165.218+/-0.024 χ^2/NDF: 12512138.9/53



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1034.175+/-776.176 χ^2/NDF:8.7/9

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -1351.753+/-739.828 χ^2/NDF:14.6/9

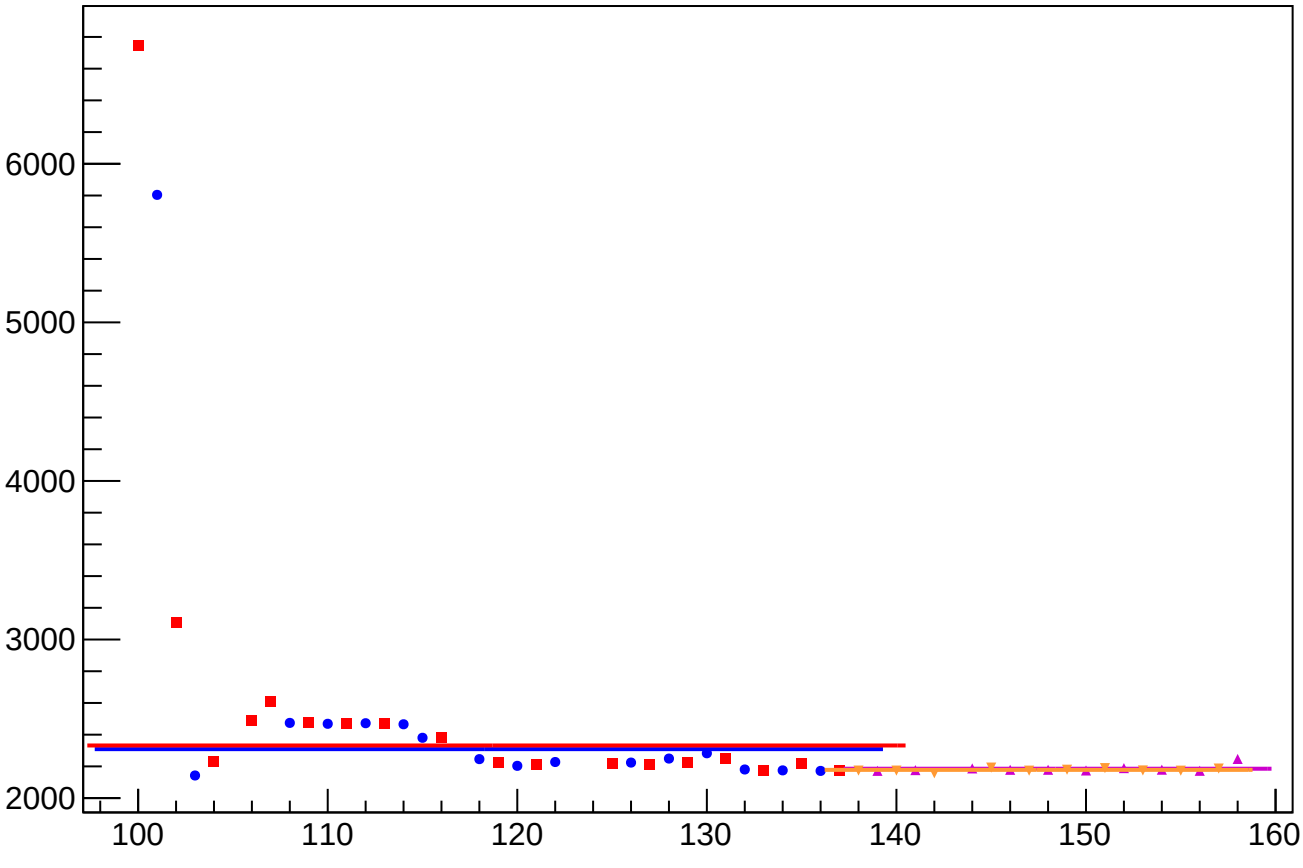
Left: -1200.574+/-535.526 χ^2/NDF: 23.5/19

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -1086.681+/-564.558 χ^2/NDF:30.8/25

Out: -949.464+/-580.235 χ^2/NDF:20.9/27

All: -1019.951+/-404.632 χ^2/NDF: 51.8/53



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.967+/-0.549 χ^2/NDF:262.9/9

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2185.250+/-0.523 χ^2/NDF:1581.6/9

Left: 2181.783+/-0.379 χ^2/NDF: 1936.7/19

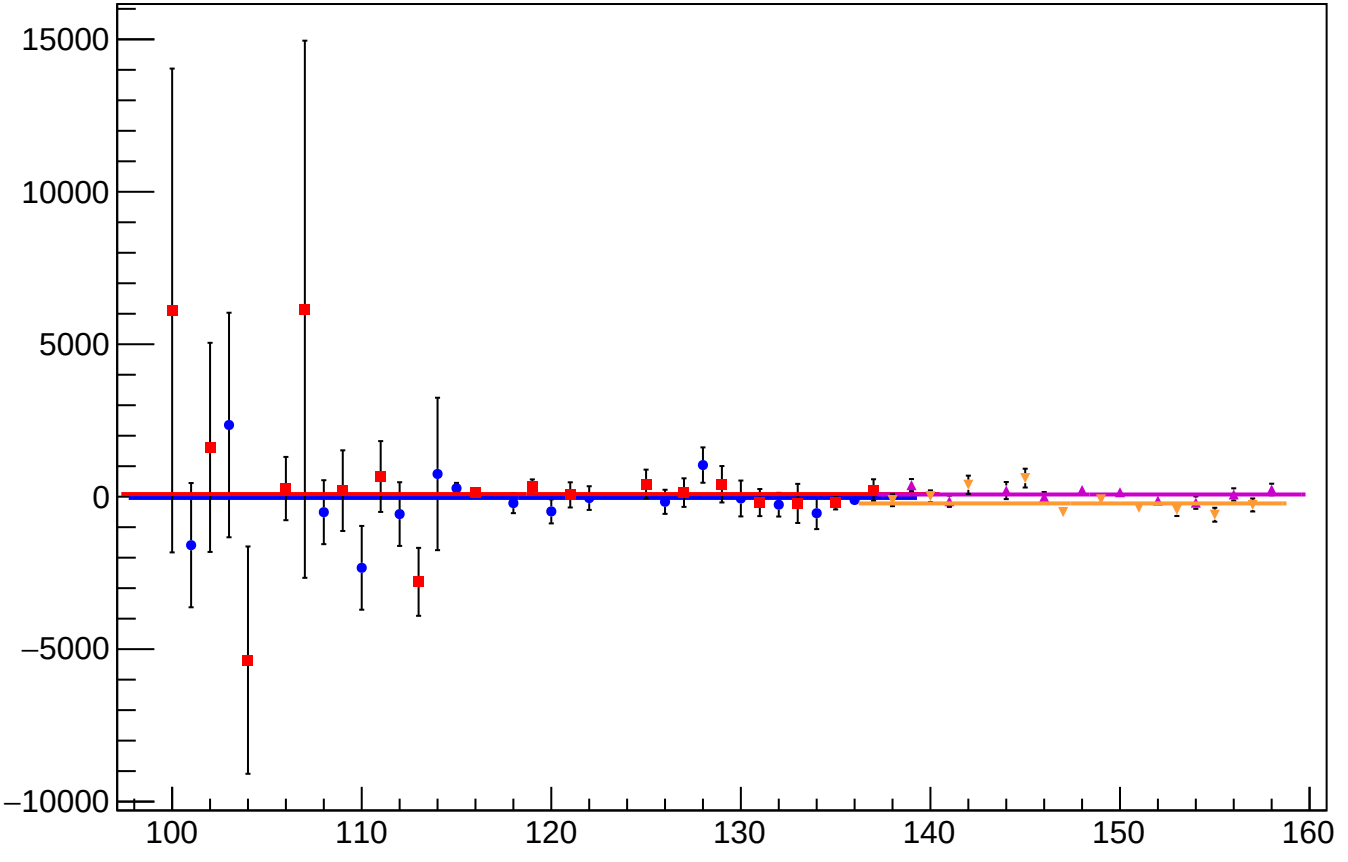
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2236.830+/-0.399 χ^2/NDF:538598.2/25

Out: 2245.854+/-0.410 χ^2/NDF:202264.8/27

All: 2241.219+/-0.286 χ^2/NDF: 741111.5/53

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -220.764+/-61.656 χ^2/NDF:22.0/9

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 72.576+/-57.530 χ^2/NDF:9.3/9

Left: -63.950+/-42.063 χ^2/NDF: 43.4/19

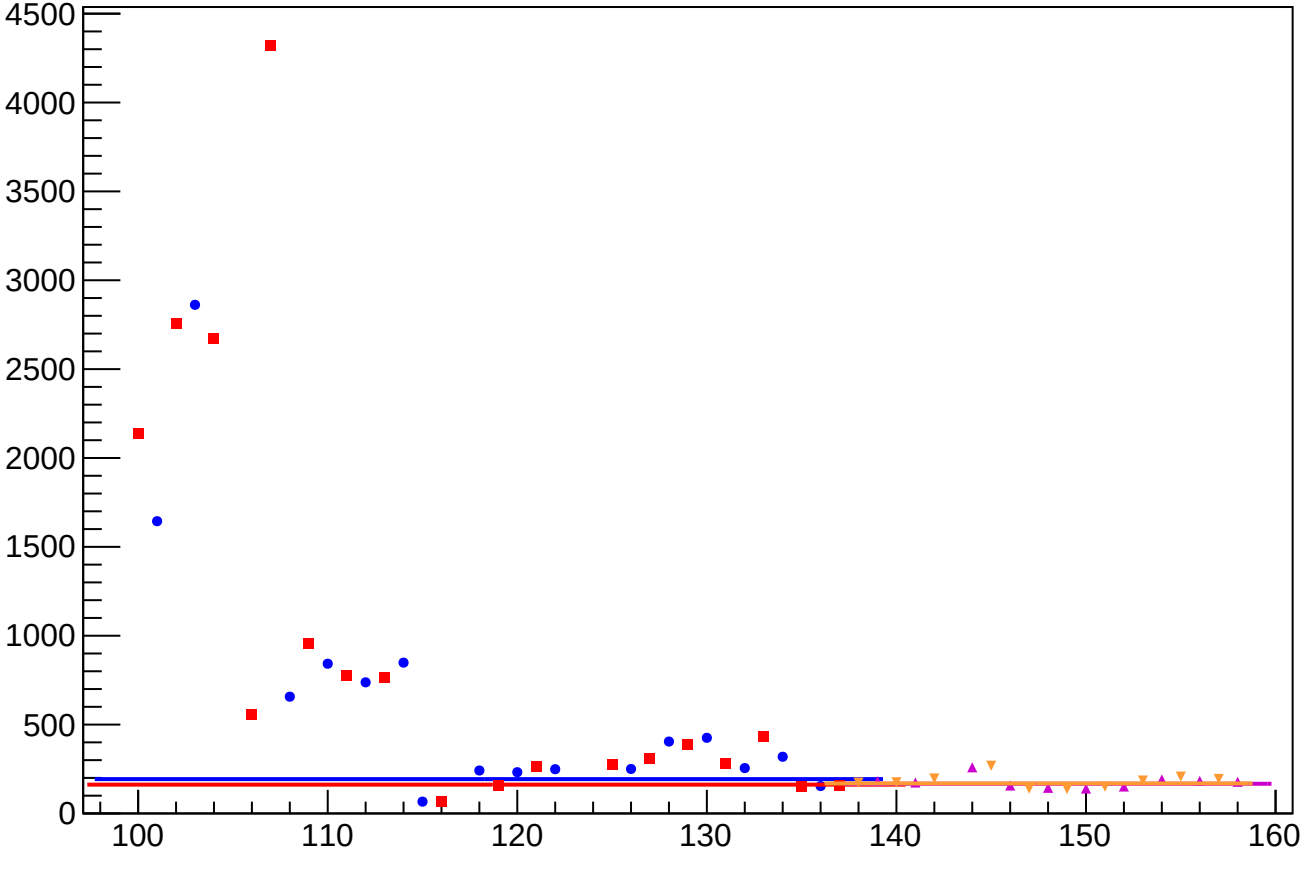
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 41.098+/-48.839 χ^2/NDF:24.4/25

Out: -116.631+/-50.126 χ^2/NDF:45.4/27

All: -35.715+/-34.981 χ^2/NDF: 74.9/53

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: 168.876+/-0.044 χ^2/NDF:514555.6/9

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 167.014+/-0.041 χ^2/NDF:413613.2/9

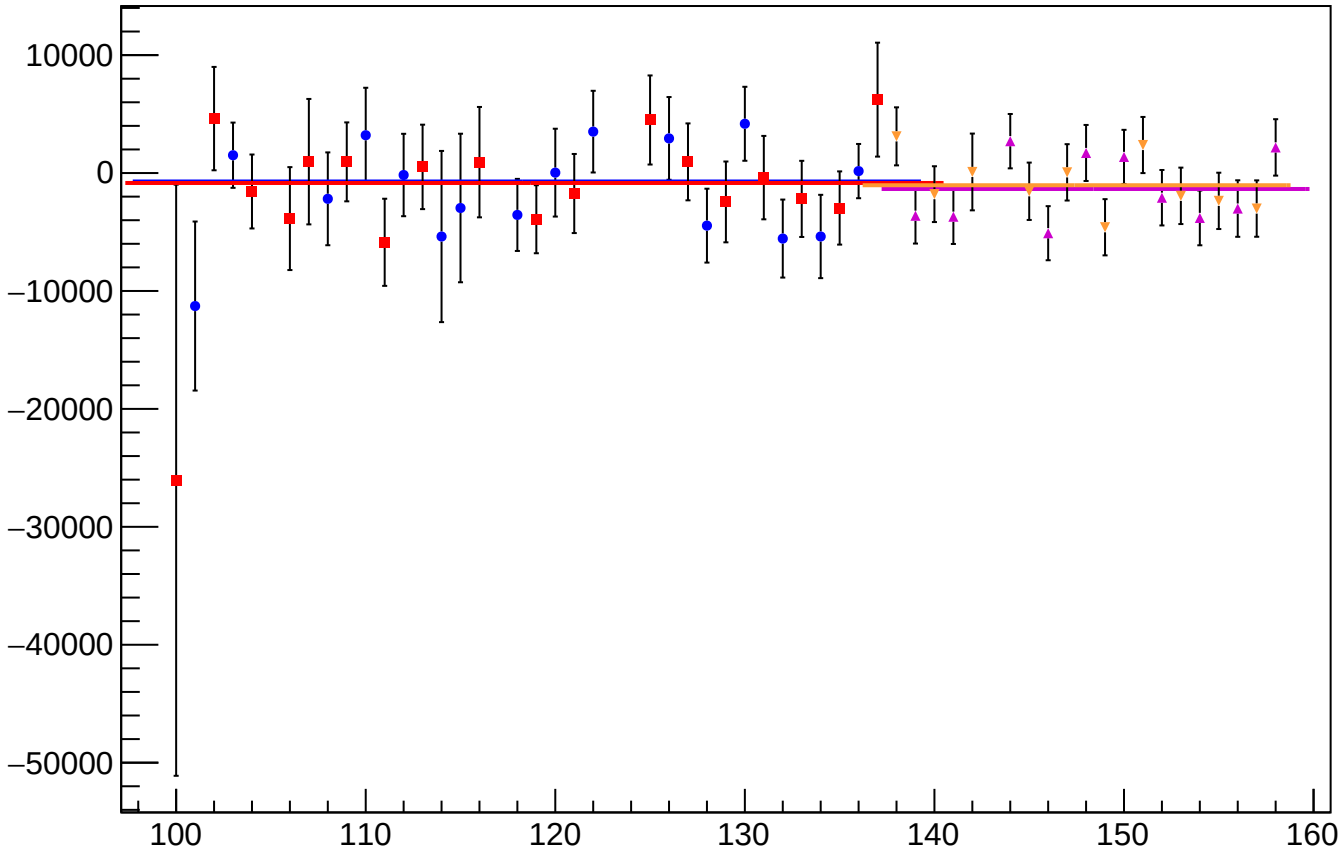
Left: 167.881+/-0.030 χ^2/NDF: 929143.9/19

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 174.344+/-0.035 χ^2/NDF:6147686.5/25

Out: 166.584+/-0.035 χ^2/NDF:7593201.4/27

All: 170.565+/-0.025 χ^2/NDF: 13765478.4/53



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1034.176+/-776.176 χ^2/NDF:8.7/9

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -1351.753+/-739.828 χ^2/NDF:14.6/9

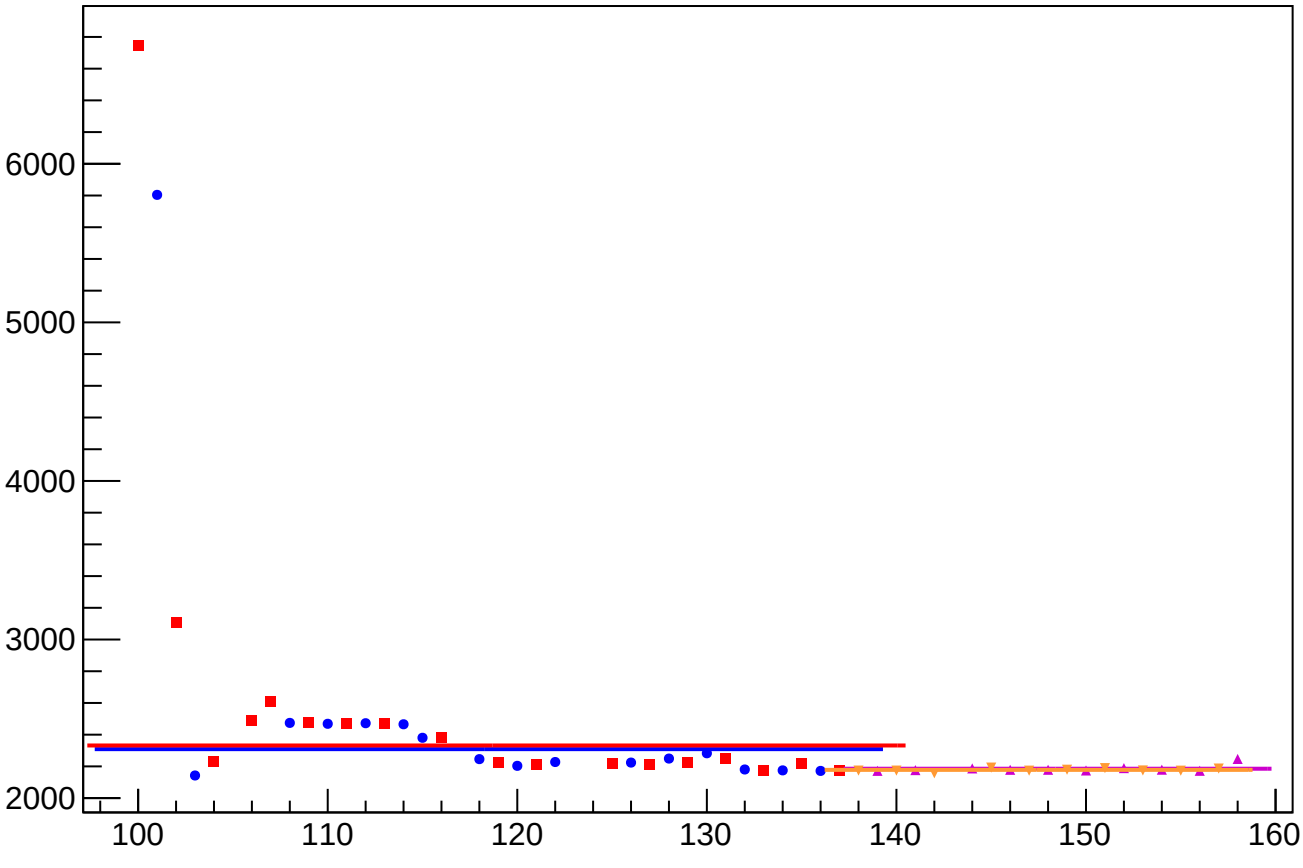
Left: -1200.574+/-535.526 χ^2/NDF: 23.5/19

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -1086.681+/-564.558 χ^2/NDF:30.8/25

Out: -949.466+/-580.235 χ^2/NDF:20.9/27

All: -1019.952+/-404.632 χ^2/NDF: 51.8/53



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.967+/-0.549 χ^2/NDF:262.9/9

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2185.250+/-0.523 χ^2/NDF:1581.6/9

Left: 2181.783+/-0.379 χ^2/NDF: 1936.7/19

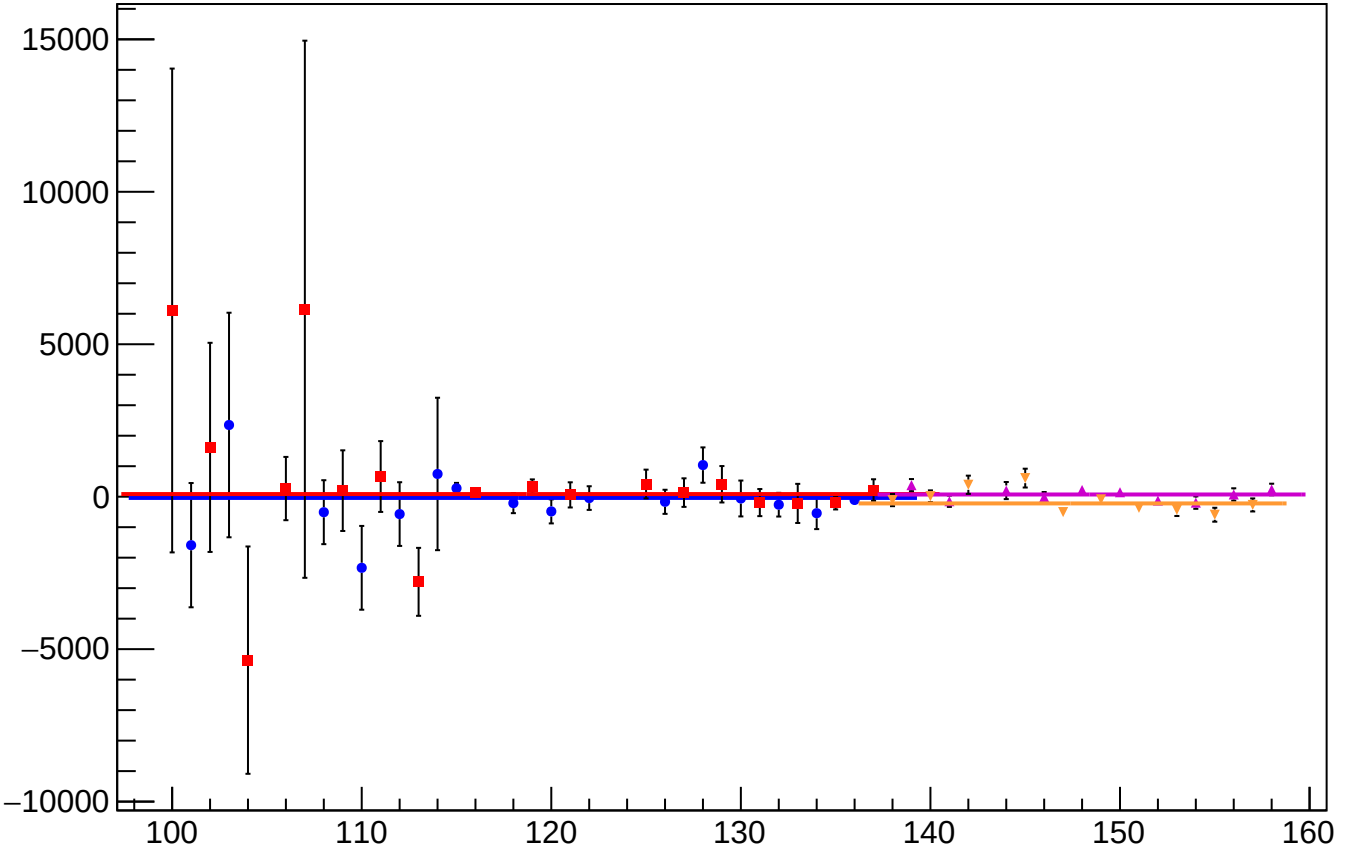
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2236.830+/-0.399 χ^2/NDF:538598.2/25

Out: 2245.854+/-0.410 χ^2/NDF:202264.6/27

All: 2241.219+/-0.286 χ^2/NDF: 741111.4/53

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: -220.766+/-61.656 χ^2/NDF:22.0/9

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 72.574+/-57.530 χ^2/NDF:9.3/9

Left: -63.952+/-42.063 χ^2/NDF: 43.4/19

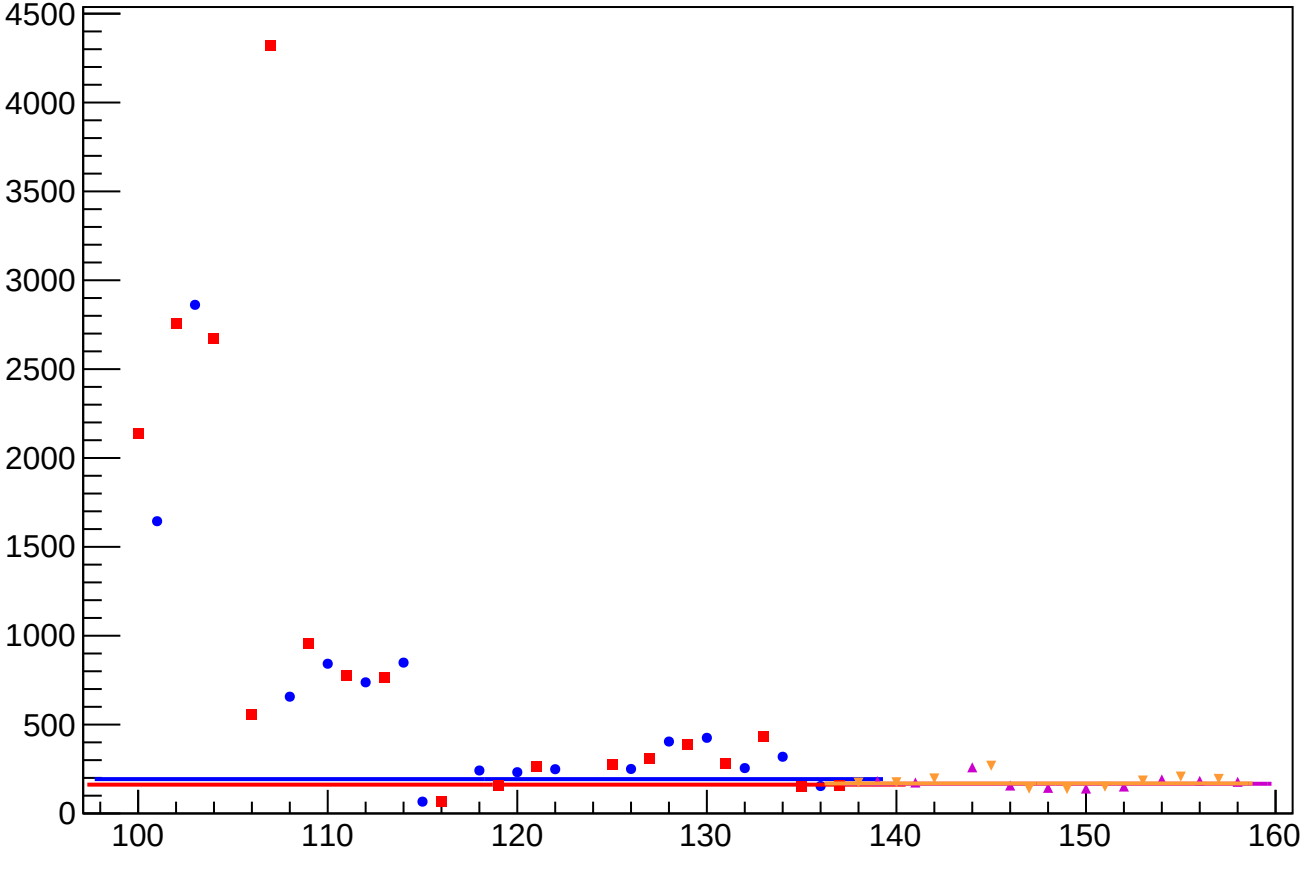
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 41.097+/-48.839 χ^2/NDF:24.4/25

Out: -116.630+/-50.126 χ^2/NDF:45.4/27

All: -35.715+/-34.981 χ^2/NDF: 74.9/53

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: 168.877+/-0.044 χ^2/NDF:514532.2/9

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 167.015+/-0.041 χ^2/NDF:413602.6/9

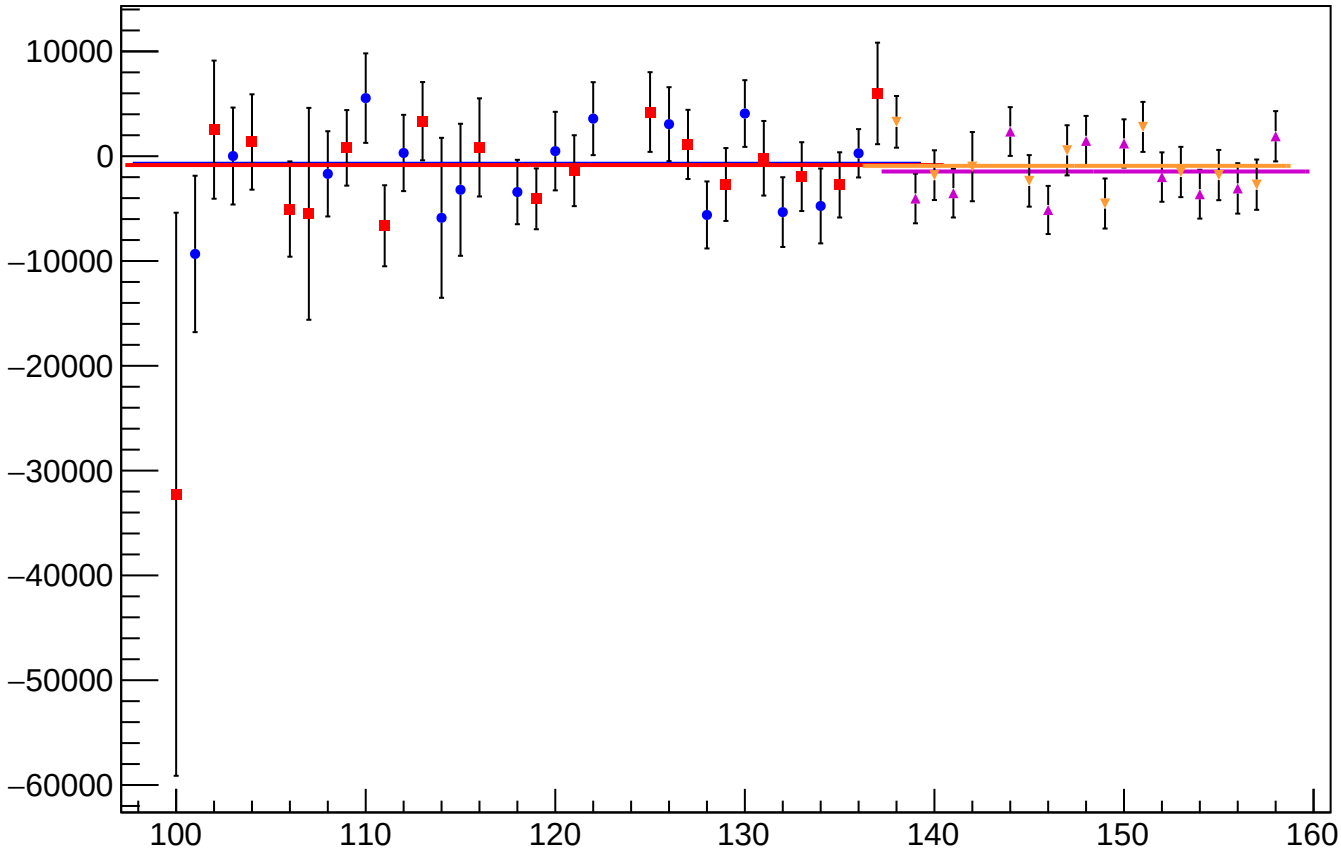
Left: 167.882+/-0.030 χ^2/NDF: 929109.9/19

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 174.344+/-0.035 χ^2/NDF:6147688.6/25

Out: 166.583+/-0.035 χ^2/NDF:7593243.8/27

All: 170.565+/-0.025 χ^2/NDF: 13765525.2/53



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -918.537+/-779.710 χ^2/NDF:9.2/9

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1460.423+/-742.359 χ^2/NDF:13.4/9

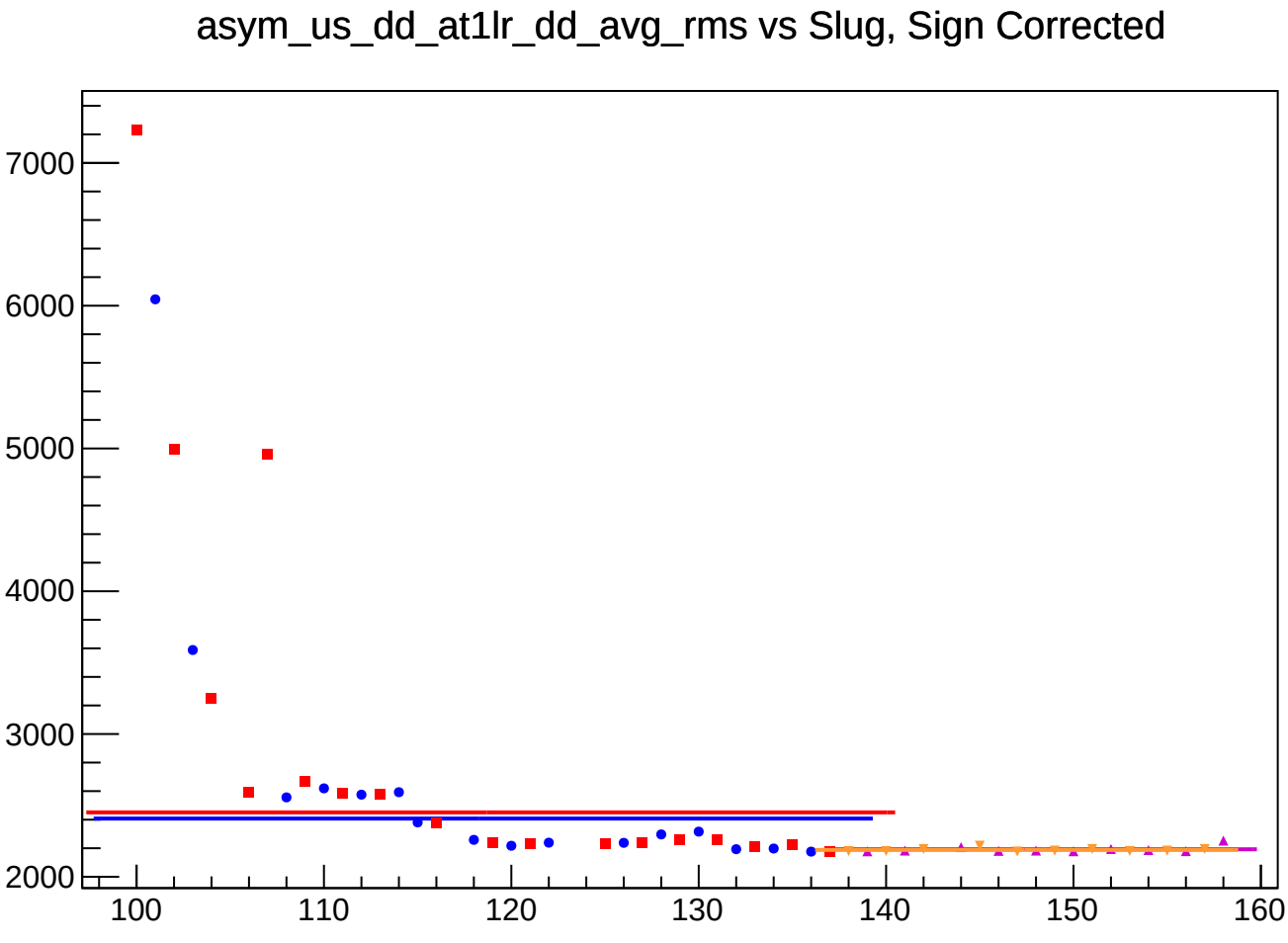
Left: -1202.770+/-537.647 χ^2/NDF: 22.9/19

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

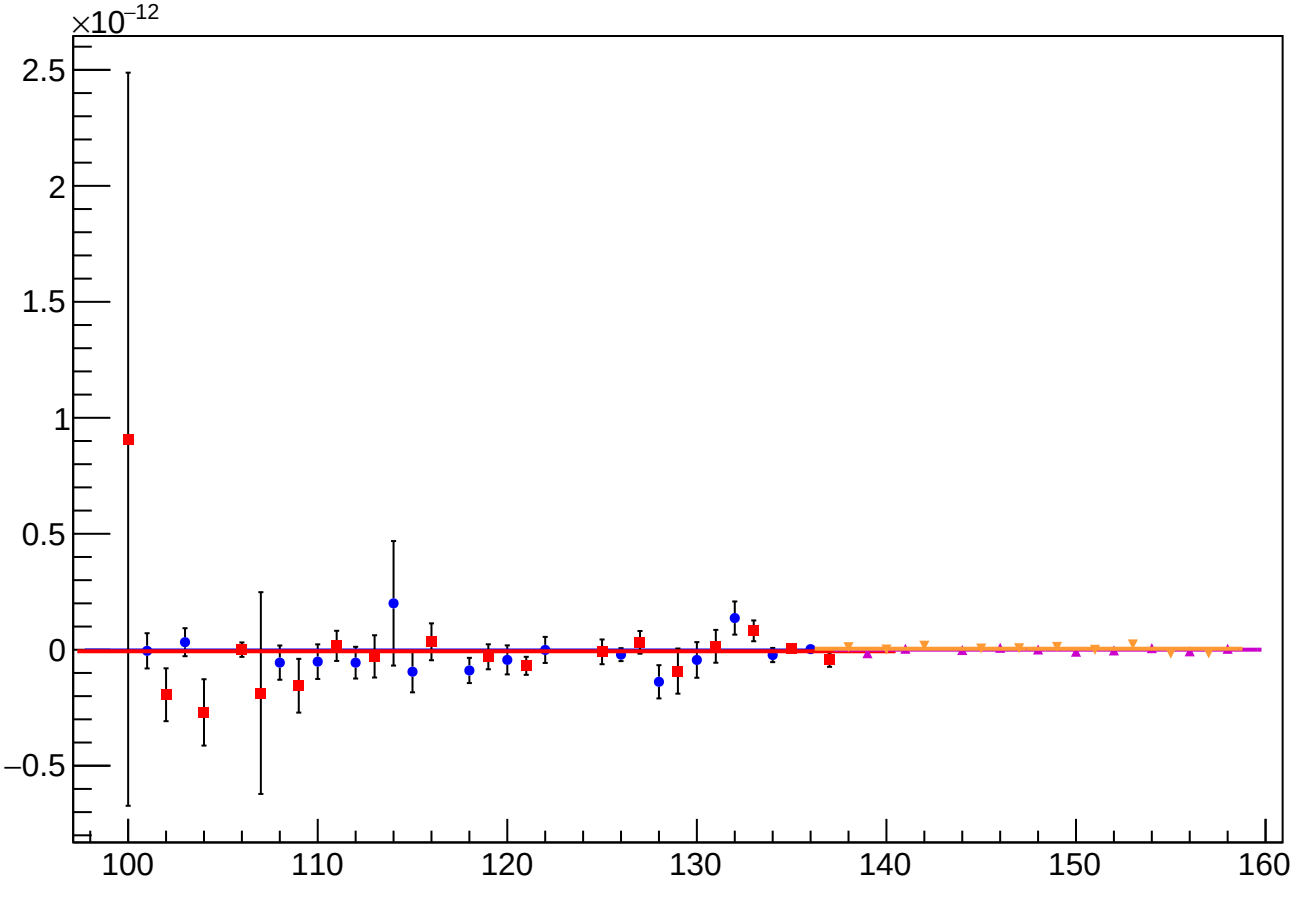
In: -1166.813+/-576.795 χ^2/NDF:29.6/25

Out: -888.055+/-597.154 χ^2/NDF:22.2/27

All: -1032.267+/-414.866 χ^2/NDF: 51.9/53


asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 2407.795+/-0.648 χ²/NDF: 676891.3/15
Left Out: 2188.193+/-0.551 χ²/NDF:451.3/9
Right Out: 2451.189+/-0.657 χ²/NDF: 633600.1/17
Left In: 2192.717+/-0.525 χ²/NDF:1679.2/9
Left: 2190.566+/-0.380 χ²/NDF: 2165.8/19
Right: 2429.198+/-0.461 χ²/NDF: 1312704.2/33
In: 2277.955+/-0.408 χ²/NDF:745101.7/25
Out: 2296.928+/-0.422 χ²/NDF:728128.5/27
All: 2287.112+/-0.293 χ²/NDF: 1474274.8/53

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:10.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:8.7/9

Left: 0.000+/-0.000 χ^2/NDF: 20.6/19

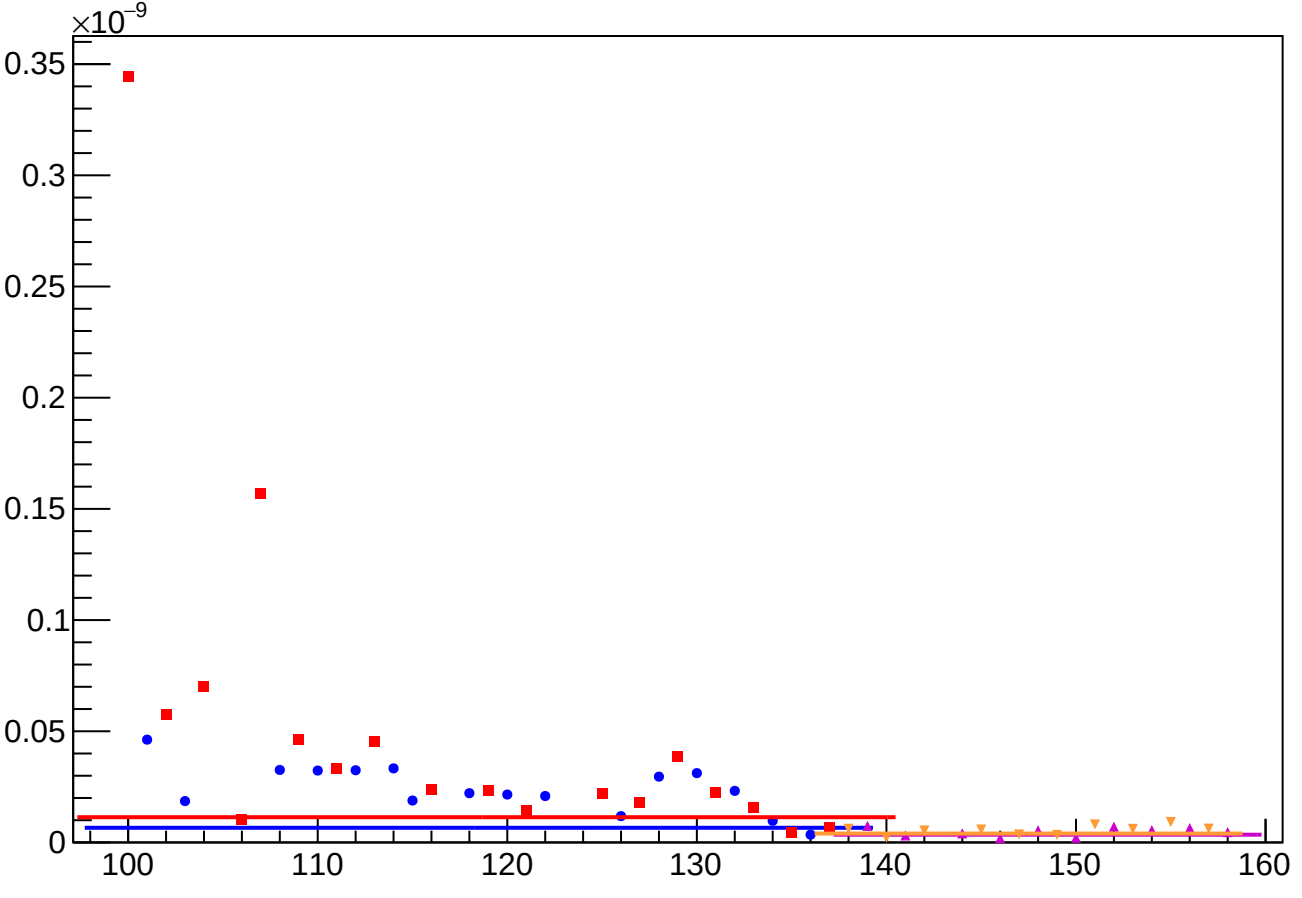
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:24.5/25

Out: 0.000+/-0.000 χ^2/NDF:30.6/27

All: 0.000+/-0.000 χ^2/NDF: 56.5/53

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1141955.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1014146.4/9

Left: 0.000+/-0.000 χ^2/NDF: 2198594.1/19

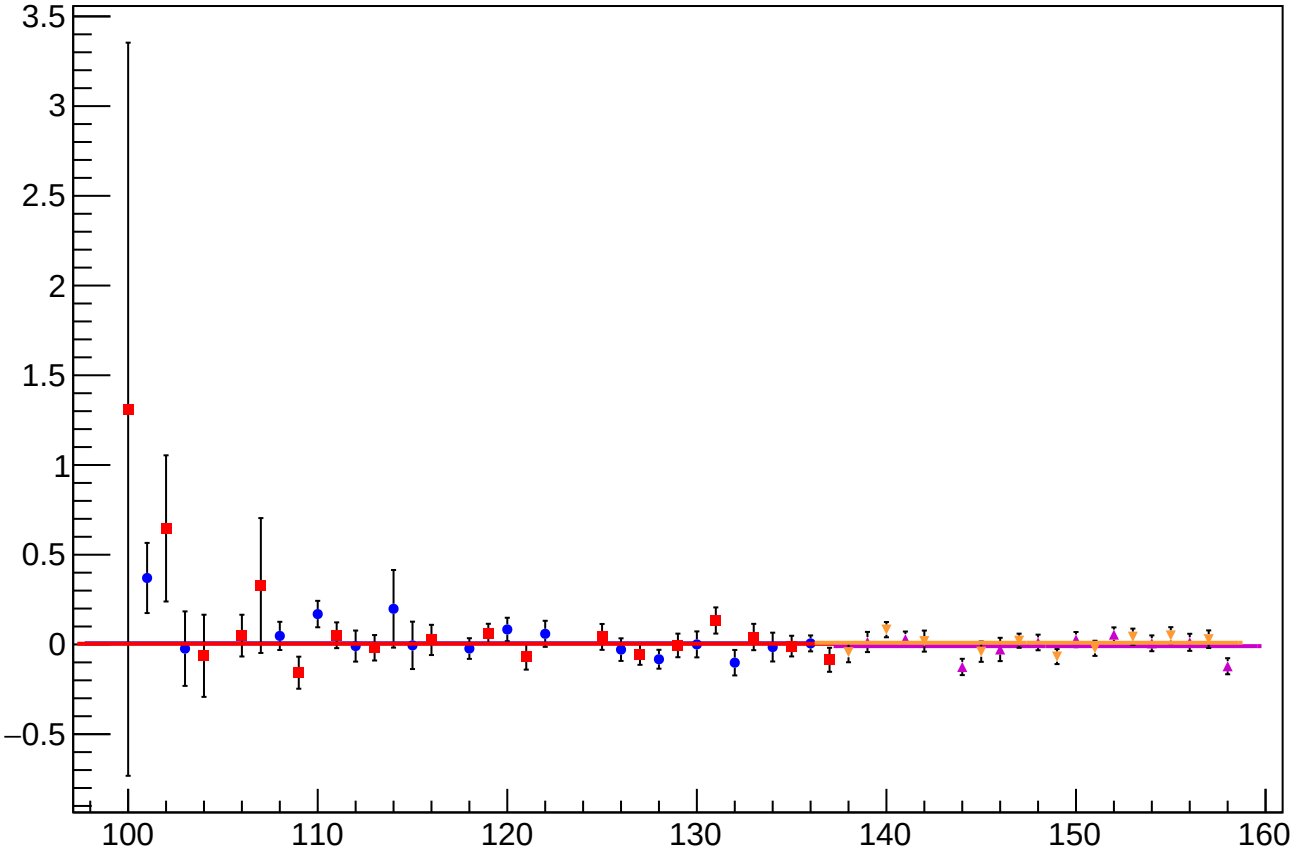
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4300596.0/25

Out: 0.000+/-0.000 χ^2/NDF:4898019.4/27

All: 0.000+/-0.000 χ^2/NDF: 9264531.0/53

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: 0.009+/-0.015 χ^2/NDF:10.1/9

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.015 χ^2/NDF:17.7/9

Left: -0.000+/-0.010 χ^2/NDF: 28.6/19

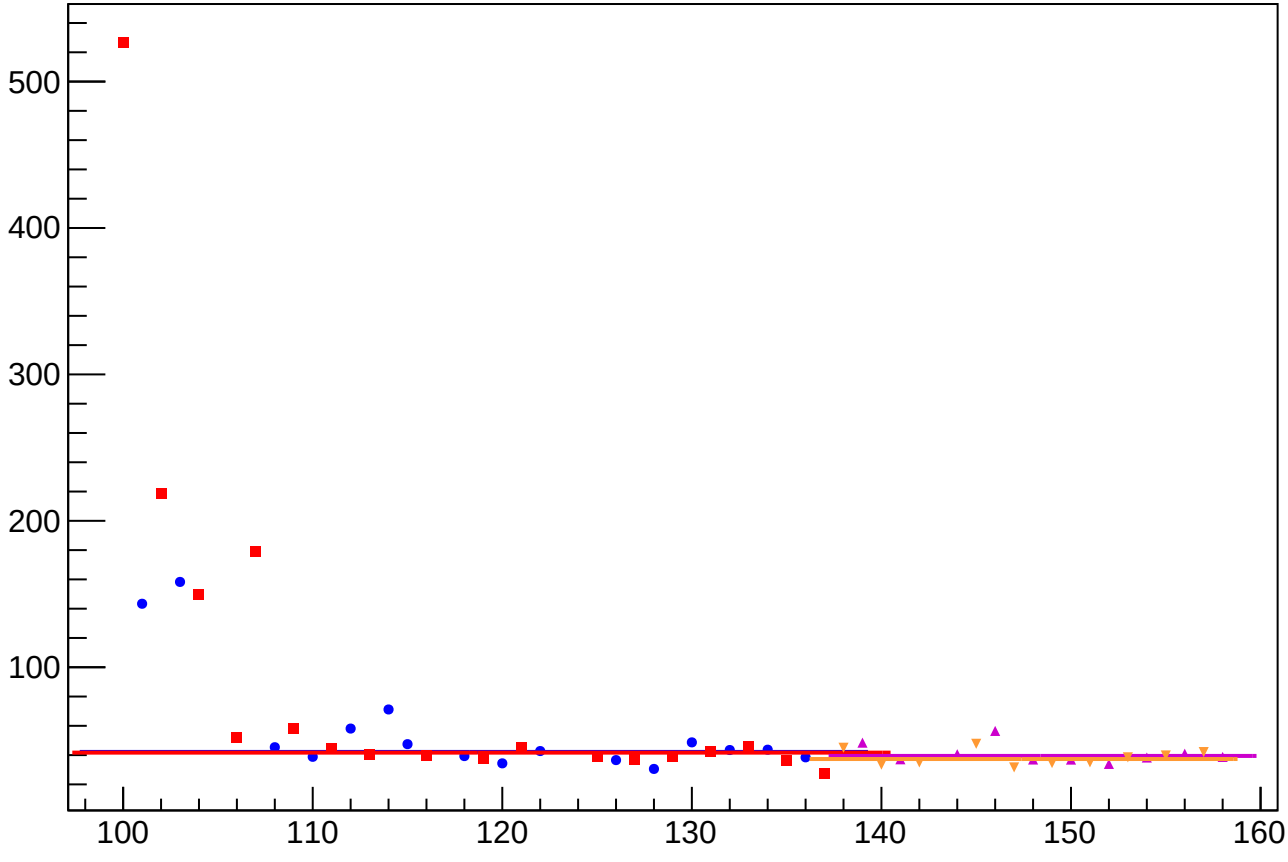
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.003+/-0.011 χ^2/NDF:35.3/25

Out: 0.007+/-0.012 χ^2/NDF:26.5/27

All: 0.002+/-0.008 χ^2/NDF: 62.2/53

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207061.7/9

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.435+/-0.010 χ^2/NDF:250922.7/9

Left: 38.393+/-0.007 χ^2/NDF: 478861.8/19

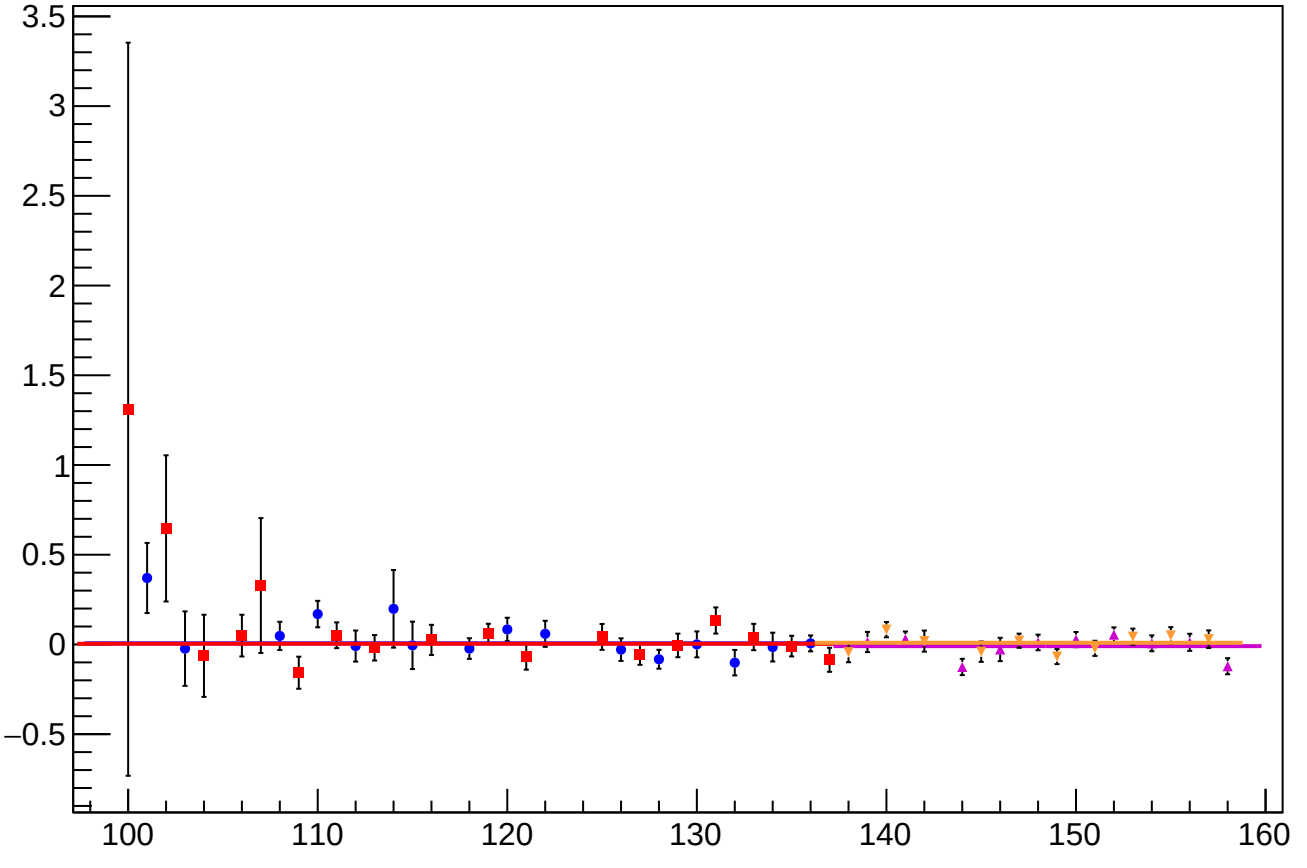
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.493+/-0.008 χ^2/NDF:1732695.3/25

Out: 39.006+/-0.008 χ^2/NDF:1716181.9/27

All: 39.760+/-0.006 χ^2/NDF: 3465740.9/53

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: 0.009+/-0.015 χ^2/NDF:10.1/9

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.015 χ^2/NDF:17.7/9

Left: -0.000+/-0.010 χ^2/NDF: 28.6/19

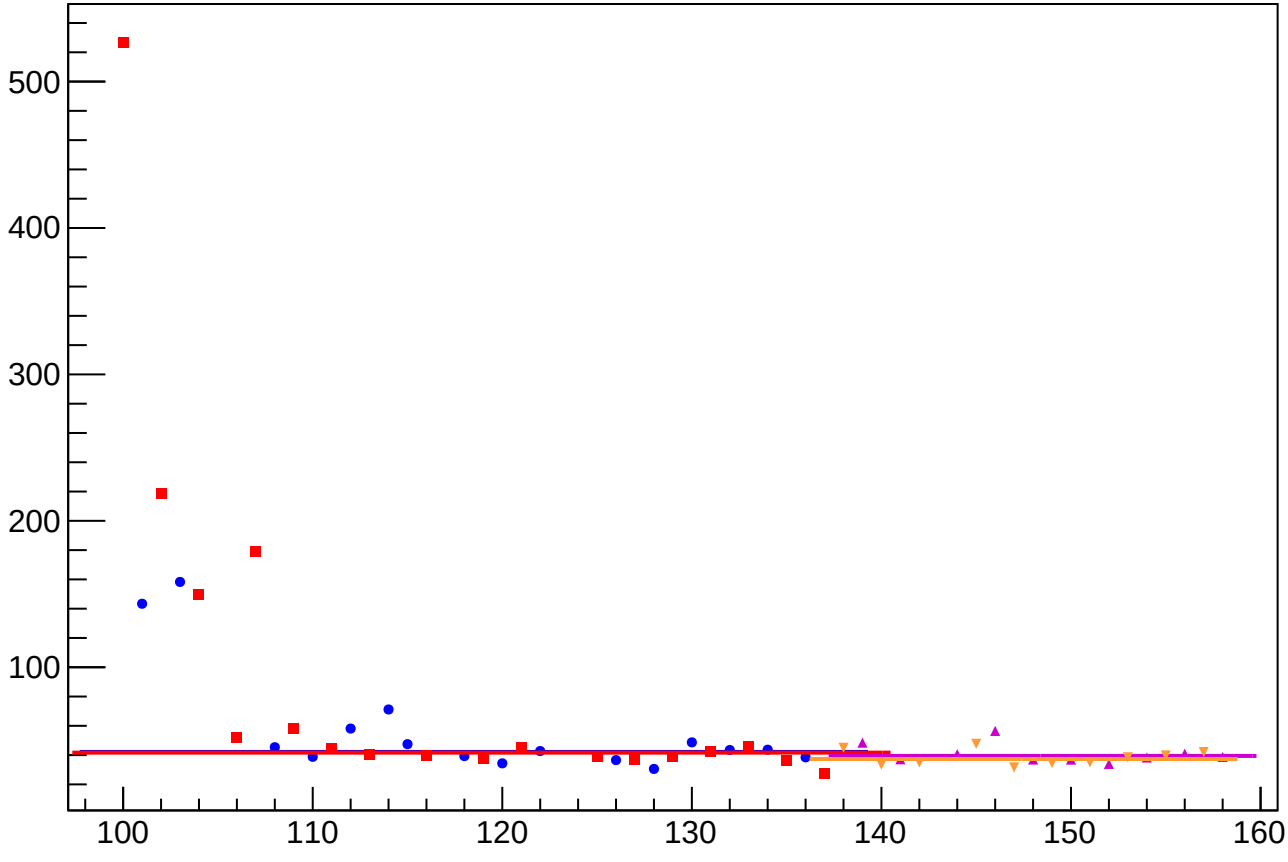
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.003+/-0.011 χ^2/NDF:35.3/25

Out: 0.007+/-0.012 χ^2/NDF:26.5/27

All: 0.002+/-0.008 χ^2/NDF: 62.2/53

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207061.7/9

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.435+/-0.010 χ^2/NDF:250922.7/9

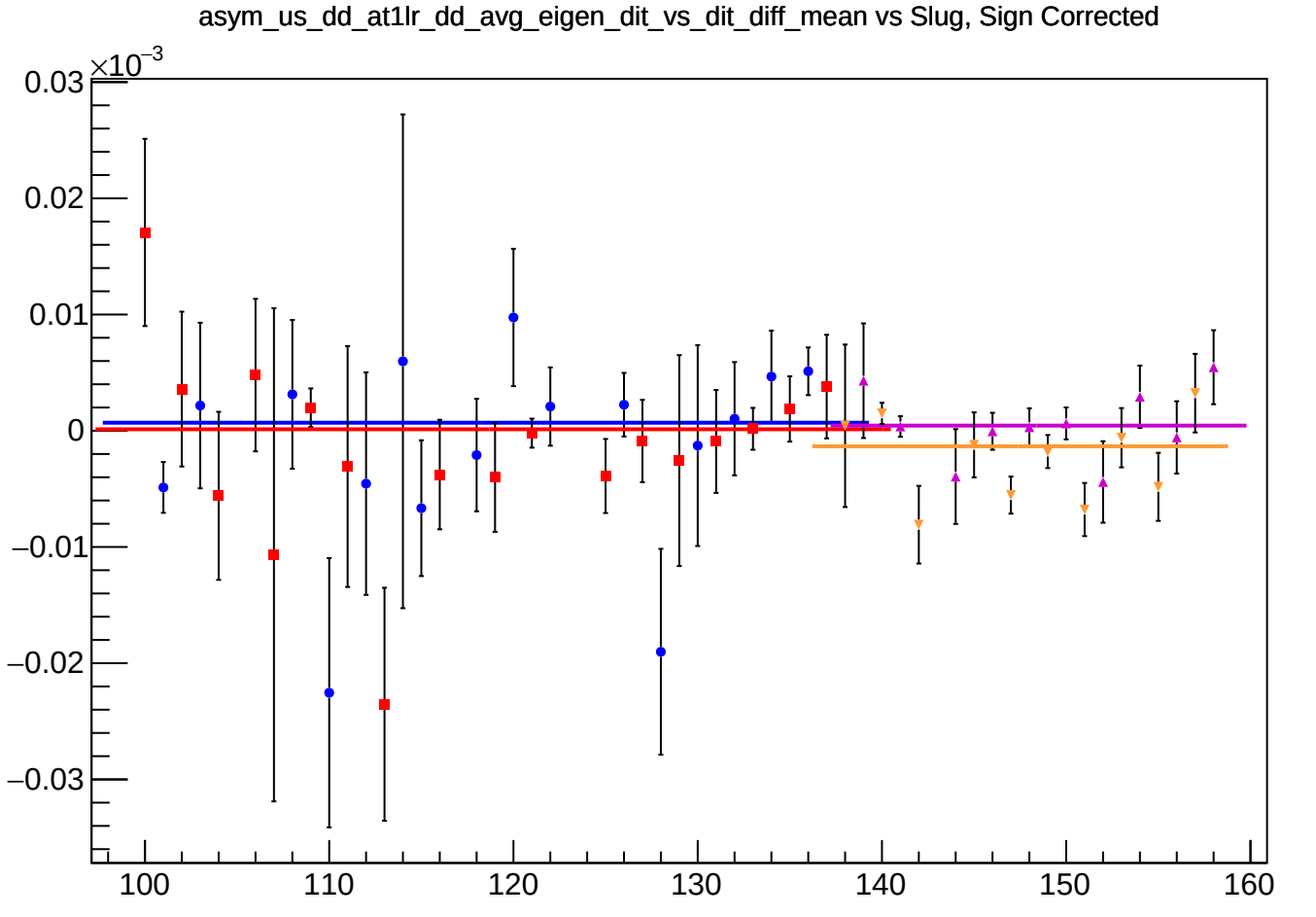
Left: 38.393+/-0.007 χ^2/NDF: 478861.8/19

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.493+/-0.008 χ^2/NDF:1732695.3/25

Out: 39.006+/-0.008 χ^2/NDF:1716181.9/27

All: 39.760+/-0.006 χ^2/NDF: 3465740.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/9

Left: -0.000+/-0.000 χ^2/NDF: 41.7/19

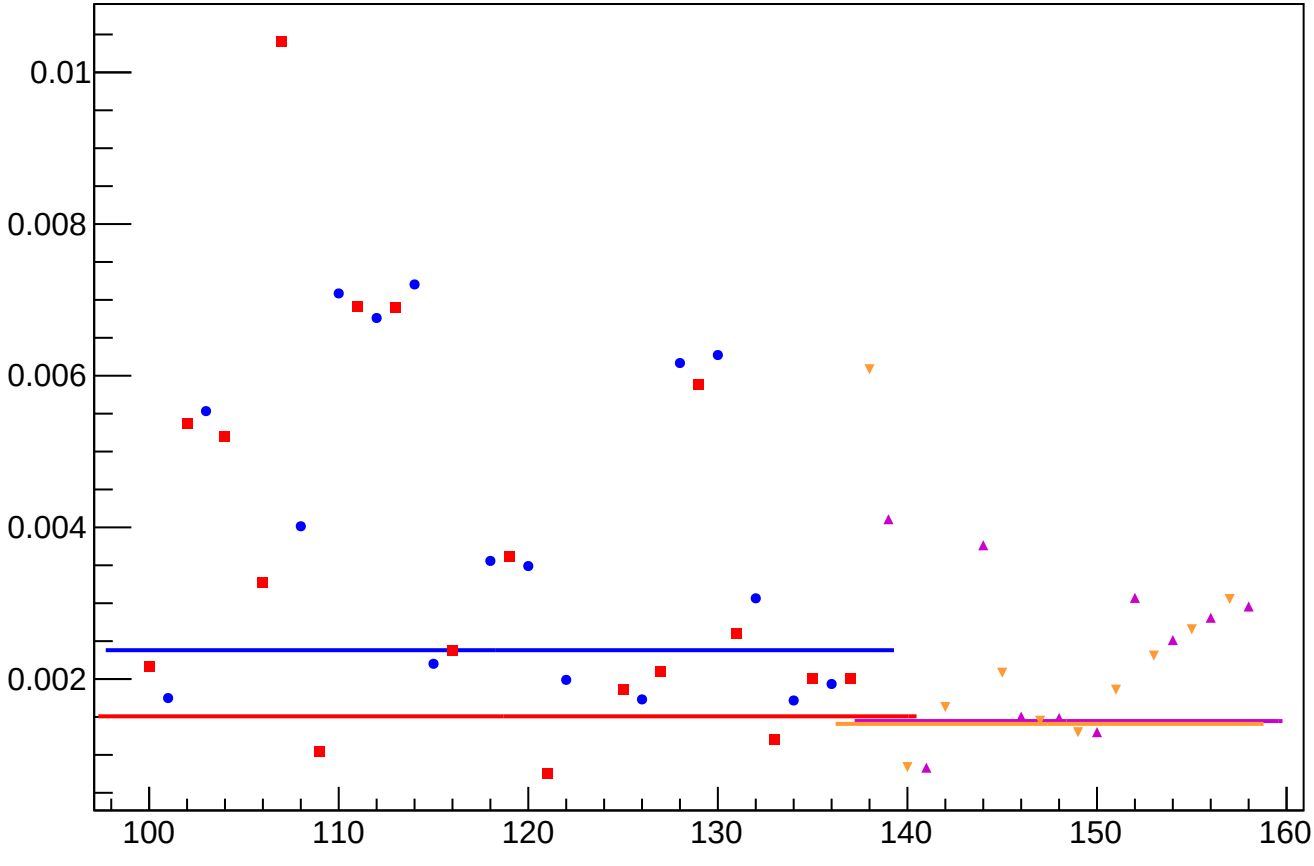
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:33.8/25

Out: -0.000+/-0.000 χ^2/NDF:49.6/27

All: -0.000+/-0.000 χ^2/NDF: 86.8/53

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:2970041.8/9

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:3794714.4/9

Left: 0.001+/-0.000 χ^2/NDF: 6768880.2/19

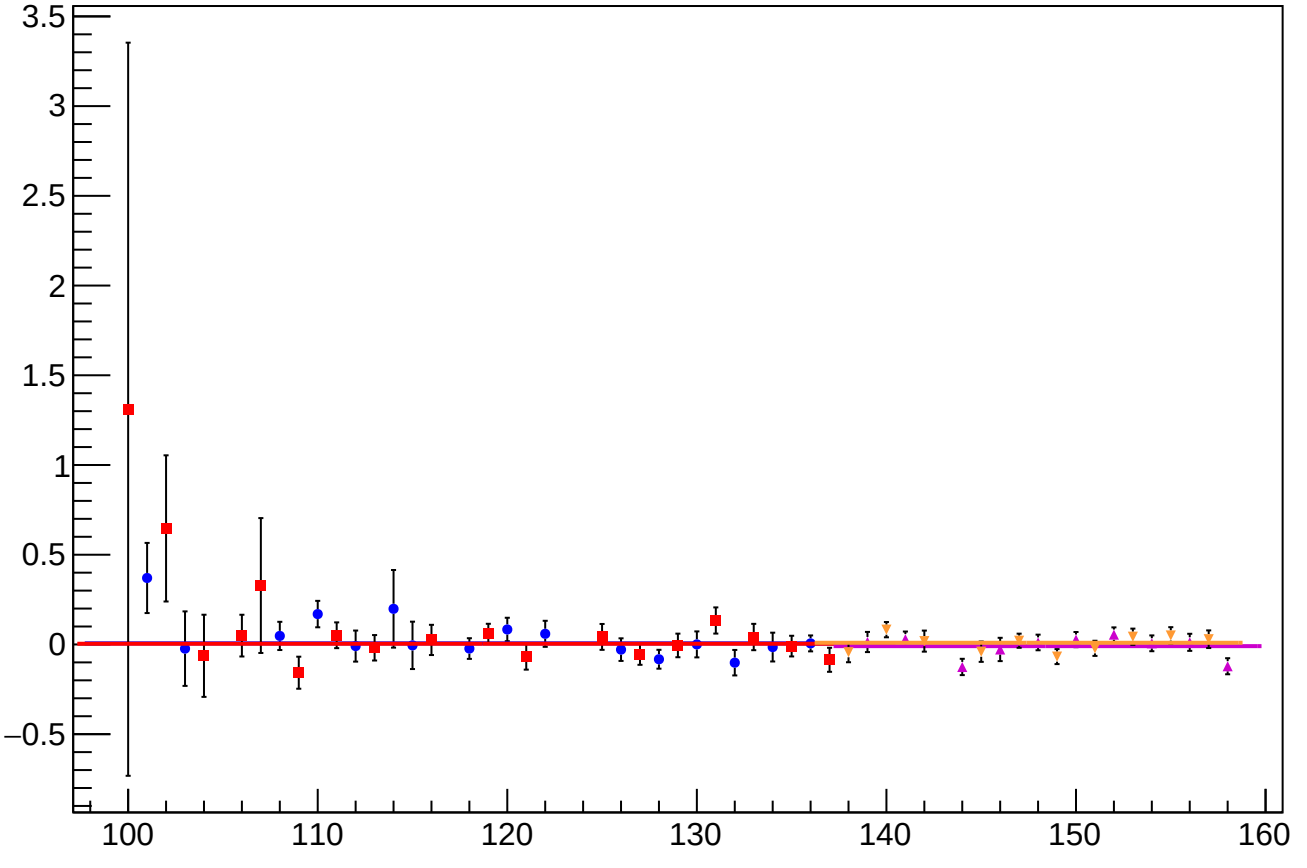
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:7912485.5/25

Out: 0.001+/-0.000 χ^2/NDF:7994501.9/27

All: 0.002+/-0.000 χ^2/NDF: 16118511.4/53

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: 0.009+/-0.015 χ^2/NDF:10.1/9

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.015 χ^2/NDF:17.7/9

Left: -0.000+/-0.010 χ^2/NDF: 28.6/19

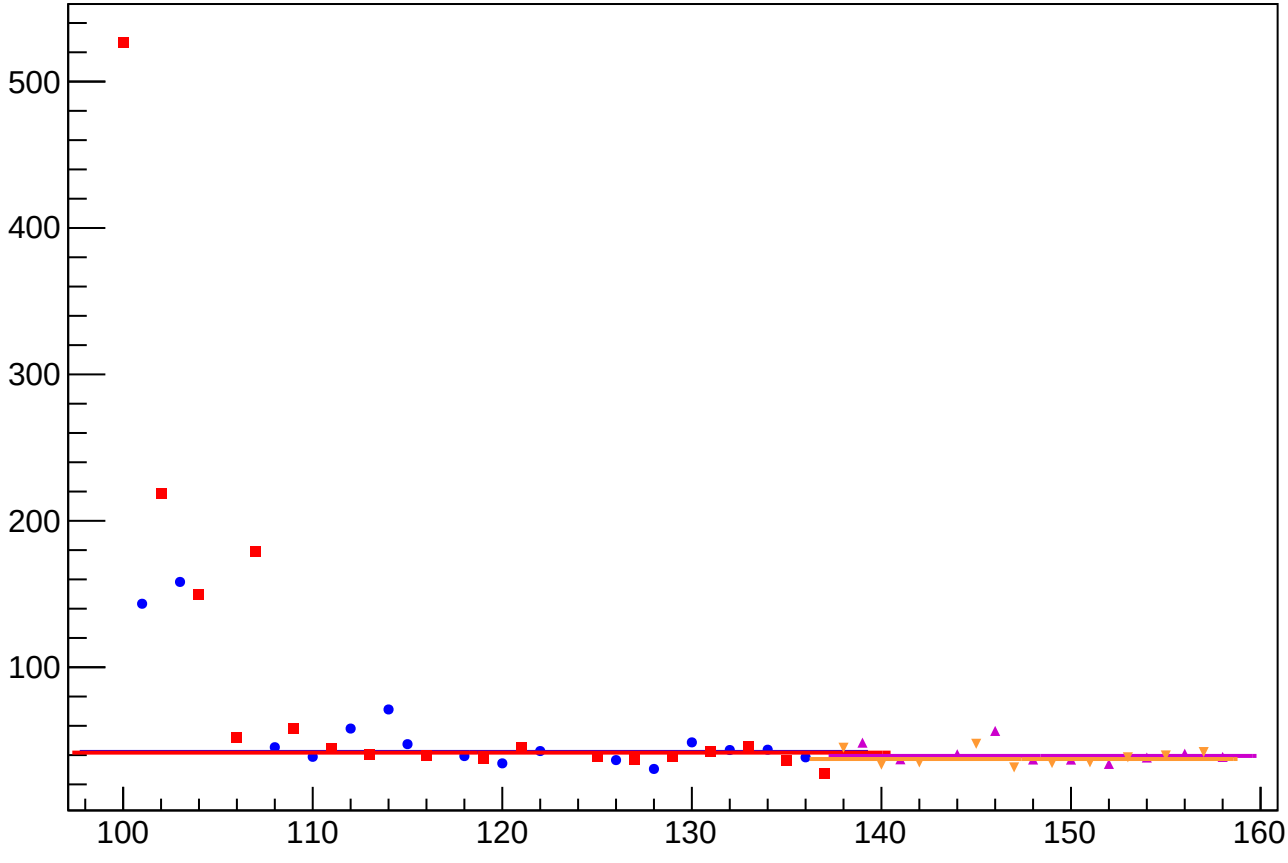
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.003+/-0.011 χ^2/NDF:35.3/25

Out: 0.007+/-0.012 χ^2/NDF:26.5/27

All: 0.002+/-0.008 χ^2/NDF: 62.2/53

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207032.4/9

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.435+/-0.010 χ^2/NDF:250954.0/9

Left: 38.394+/-0.007 χ^2/NDF: 478858.5/19

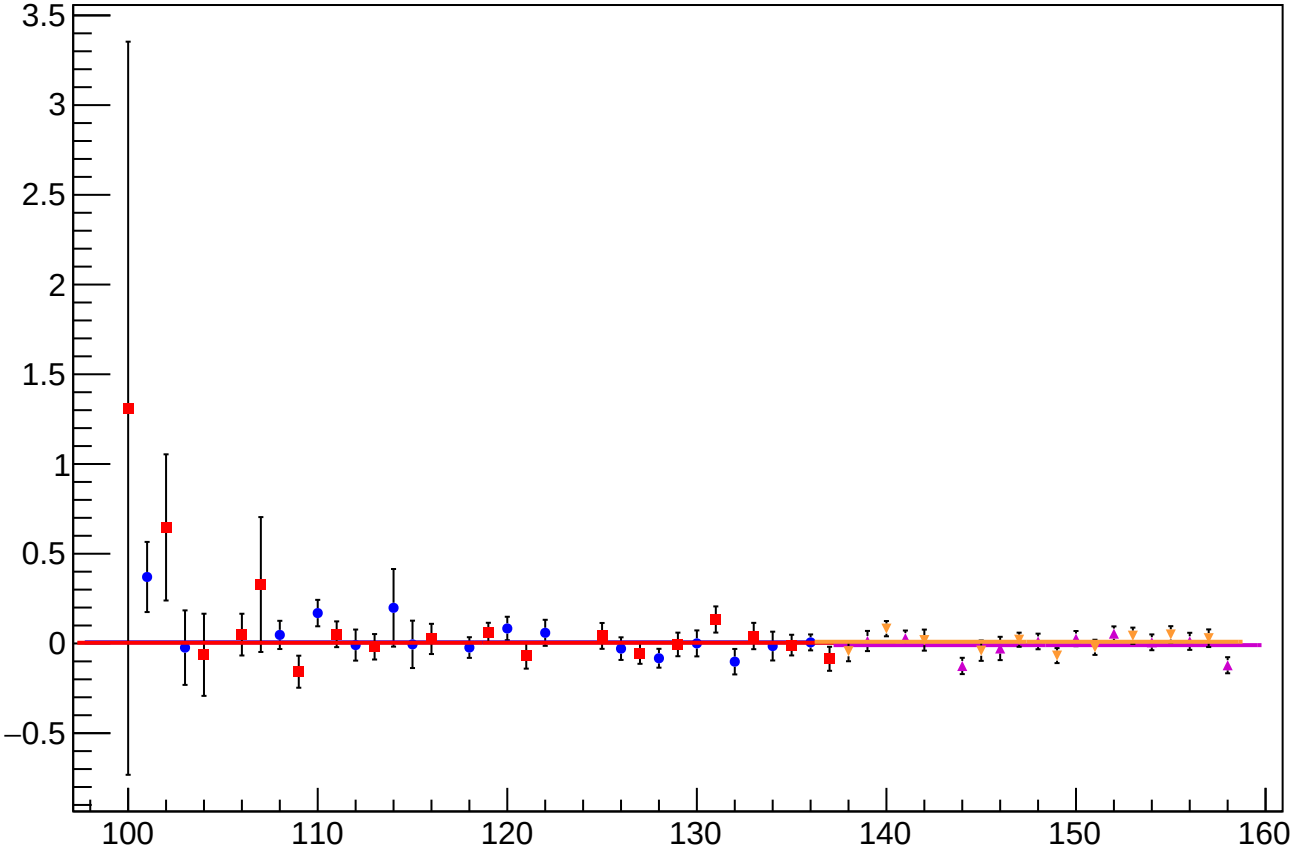
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.492+/-0.008 χ^2/NDF:1732893.8/25

Out: 39.006+/-0.008 χ^2/NDF:1716140.3/27

All: 39.760+/-0.006 χ^2/NDF: 3465869.9/53

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: 0.009+/-0.015 χ^2/NDF:10.1/9

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.015 χ^2/NDF:17.7/9

Left: -0.000+/-0.010 χ^2/NDF: 28.6/19

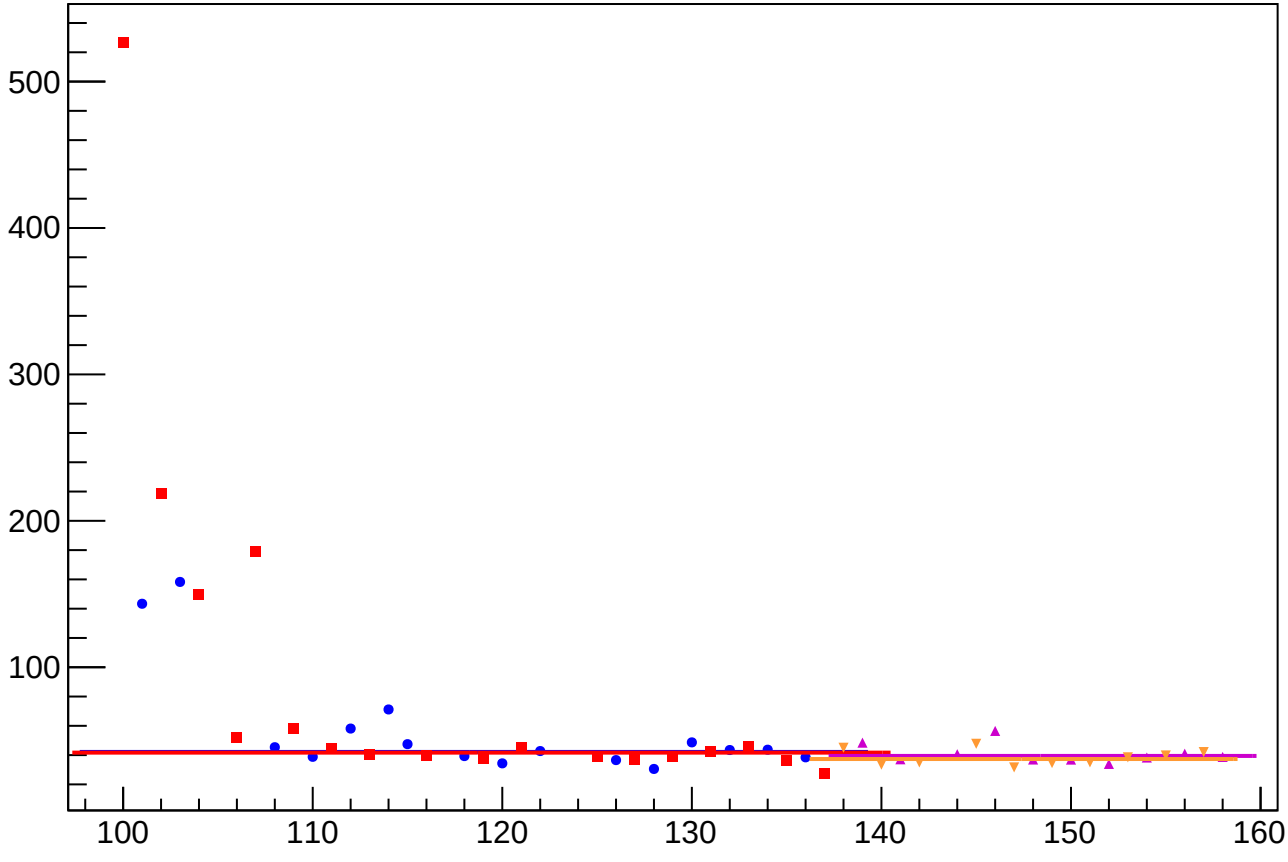
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.003+/-0.011 χ^2/NDF:35.3/25

Out: 0.007+/-0.012 χ^2/NDF:26.5/27

All: 0.002+/-0.008 χ^2/NDF: 62.2/53

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207032.4/9

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.435+/-0.010 χ^2/NDF:250954.0/9

Left: 38.394+/-0.007 χ^2/NDF: 478858.5/19

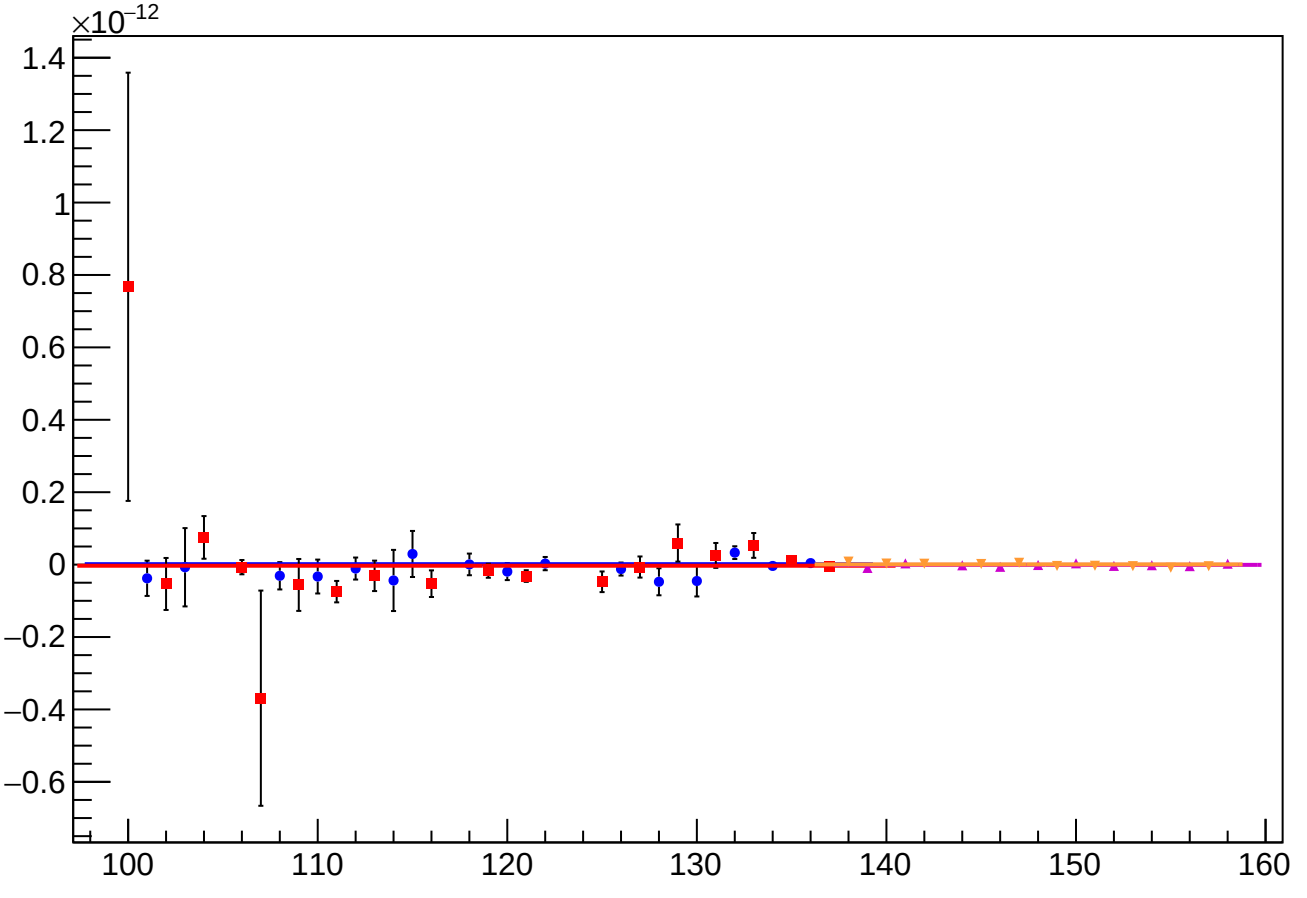
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.492+/-0.008 χ^2/NDF:1732893.8/25

Out: 39.006+/-0.008 χ^2/NDF:1716140.3/27

All: 39.760+/-0.006 χ^2/NDF: 3465869.9/53

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:8.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

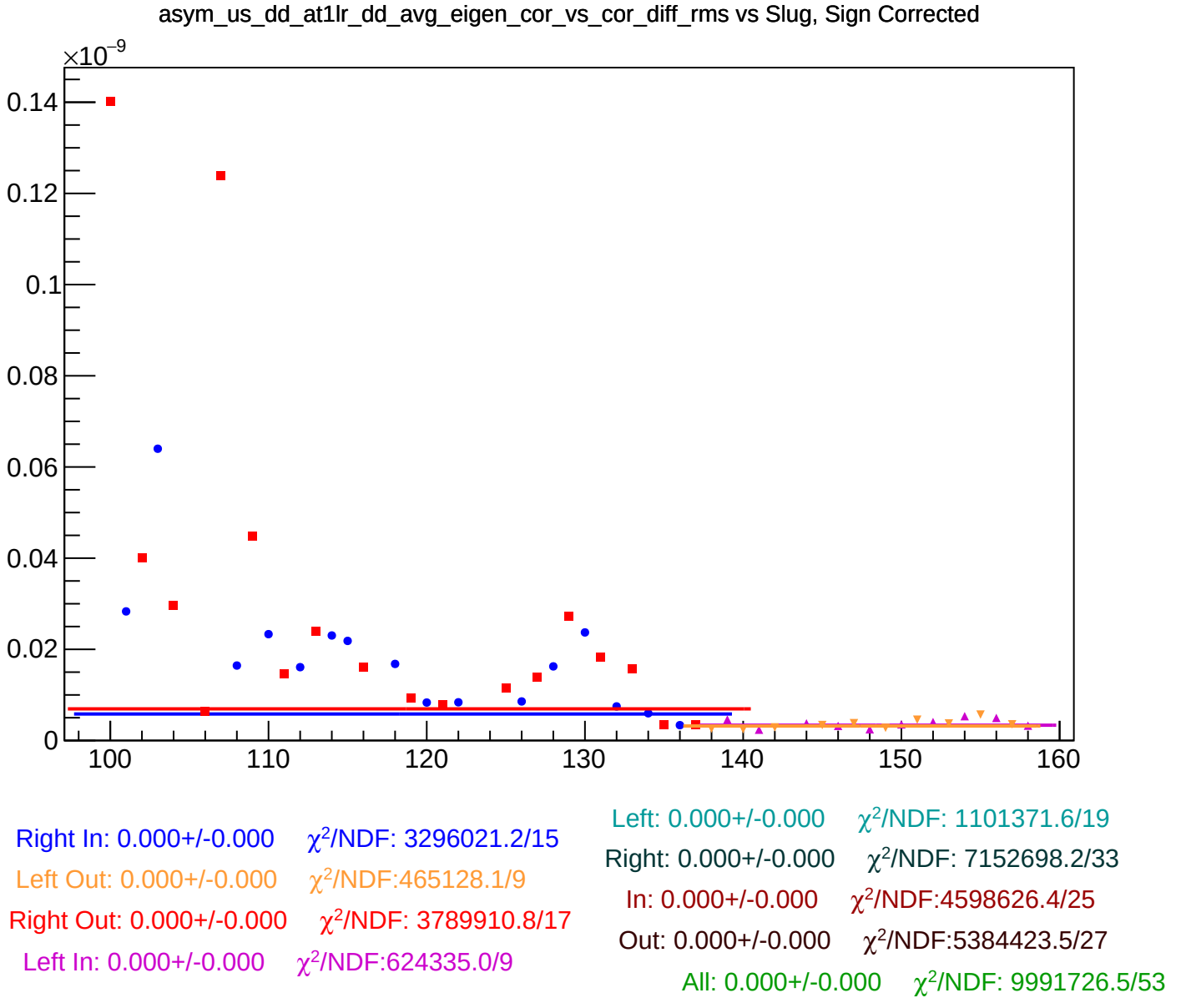
Left: -0.000+/-0.000 χ^2/NDF: 14.6/19

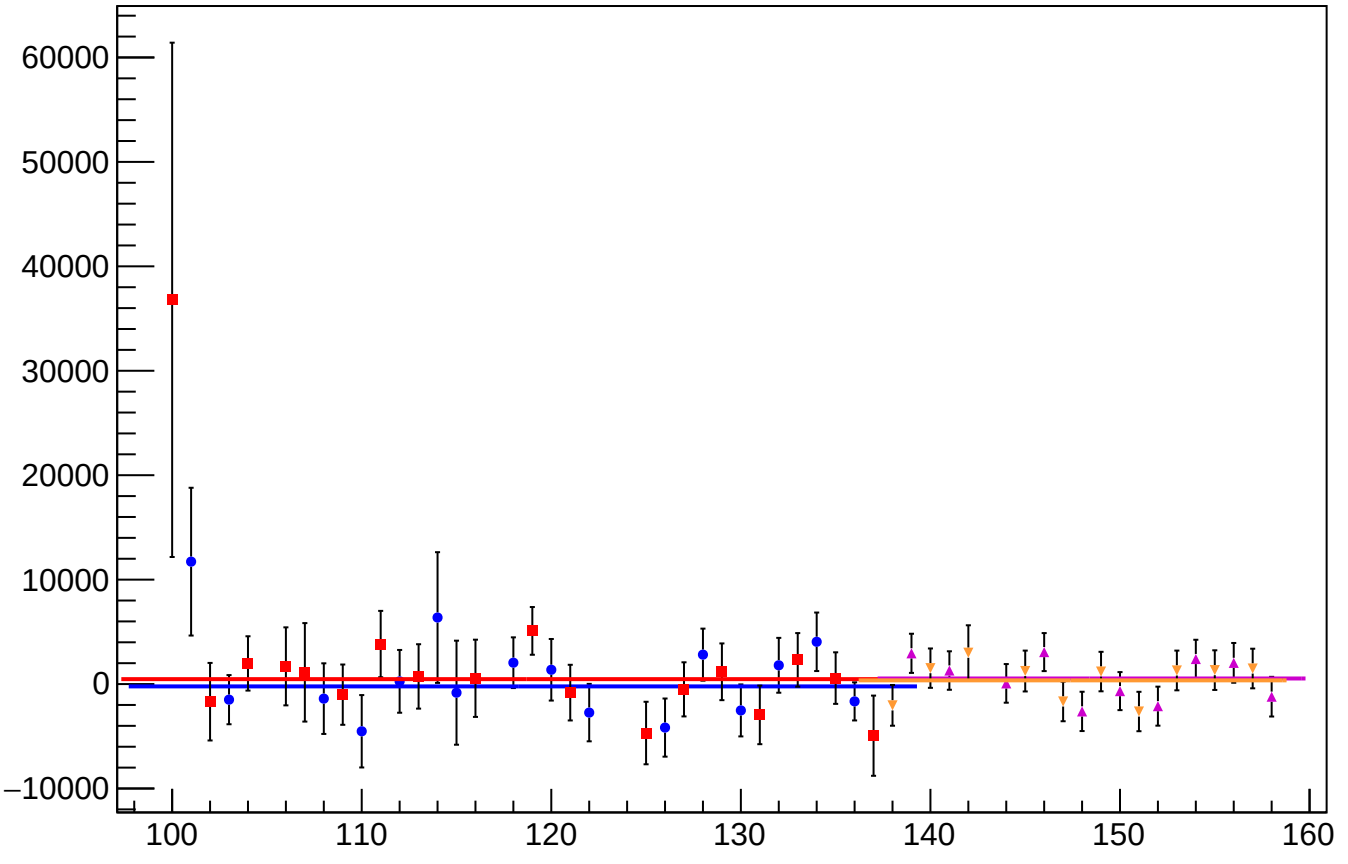
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:16.8/25

Out: 0.000+/-0.000 χ^2/NDF:37.6/27

All: -0.000+/-0.000 χ^2/NDF: 54.5/53


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:465128.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:624335.0/9
Left: 0.000+/-0.000 χ²/NDF: 1101371.6/19
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4598626.4/25
Out: 0.000+/-0.000 χ²/NDF:5384423.5/27
All: 0.000+/-0.000 χ²/NDF: 9991726.5/53



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 355.763+/-617.574 χ^2/NDF:7.8/9

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 534.608+/-588.172 χ^2/NDF:11.6/9

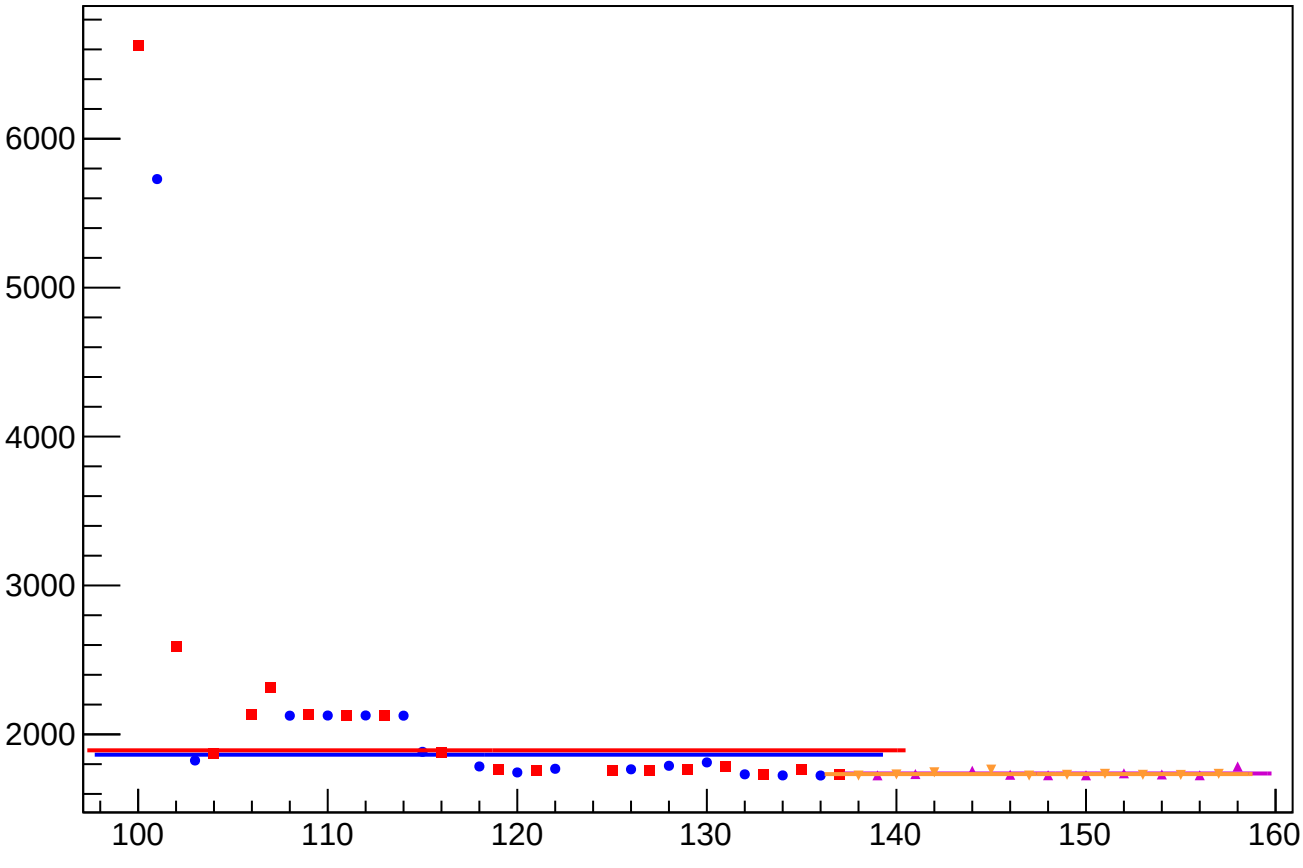
Left: 449.544+/-425.916 χ^2/NDF: 19.4/19

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 225.852+/-452.720 χ^2/NDF:28.1/25

Out: 405.886+/-466.382 χ^2/NDF:23.7/27

All: 313.193+/-324.844 χ^2/NDF: 51.8/53



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.150+/-0.437 χ^2/NDF:666.4/9

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

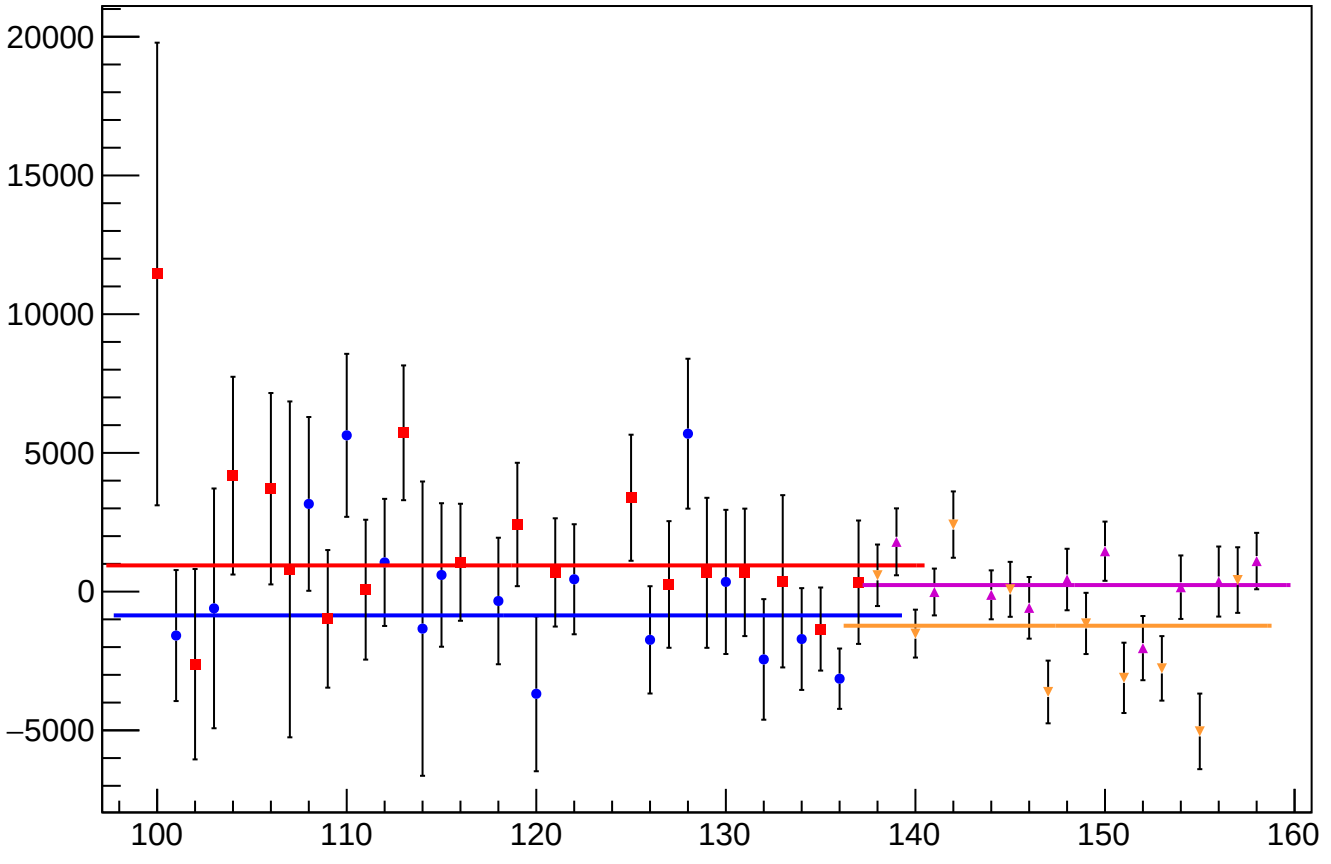
Left: 1735.319+/-0.301 χ^2/NDF: 2543.4/19

Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1788.757+/-0.320 χ^2/NDF:714077.1/25

Out: 1801.780+/-0.330 χ^2/NDF:309658.6/27

All: 1795.075+/-0.230 χ^2/NDF: 1024538.5/53



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1229.517+/-351.476 χ^2/NDF:32.0/9

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 235.968+/-333.617 χ^2/NDF:8.4/9

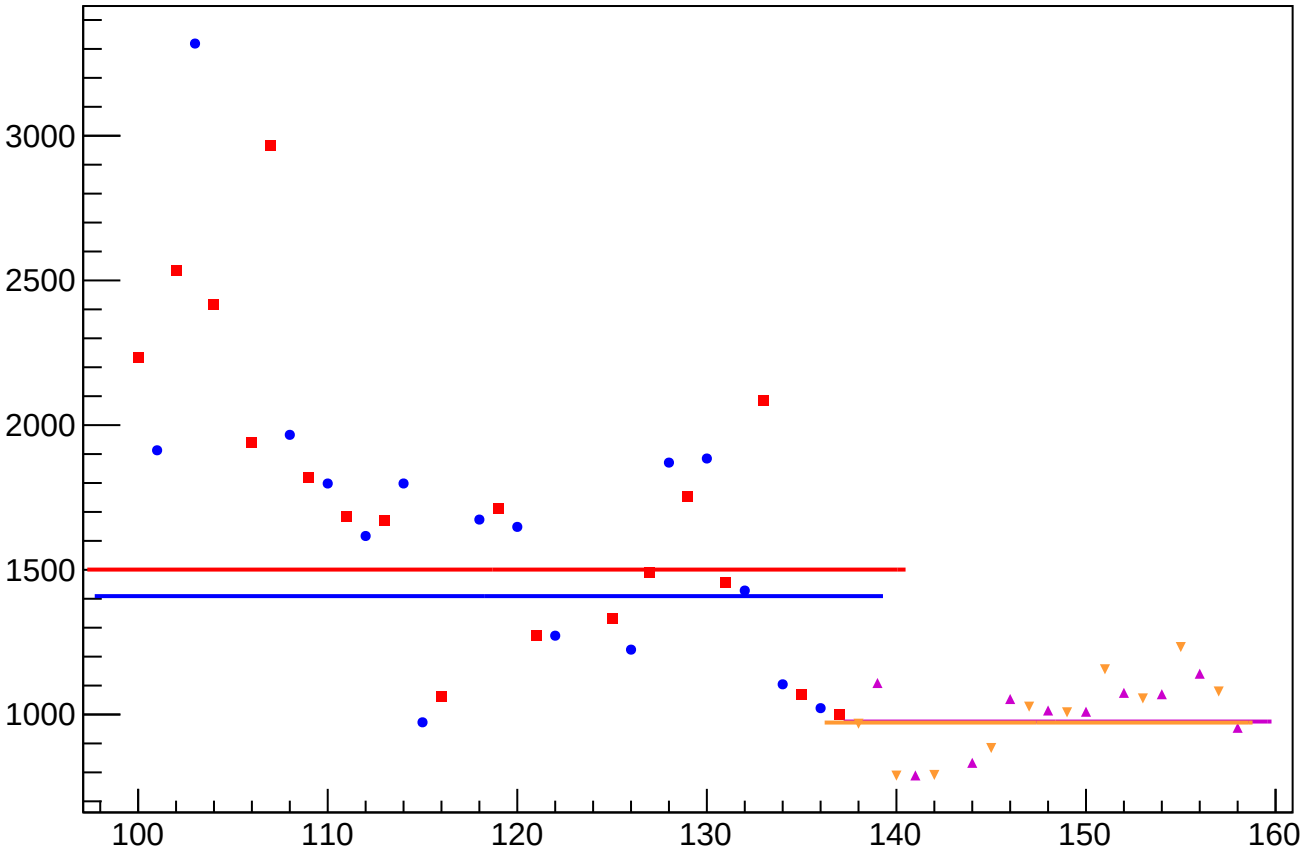
Left: -458.598+/-241.970 χ^2/NDF: 49.6/19

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -58.250+/-285.214 χ^2/NDF:31.9/25

Out: -651.339+/-301.138 χ^2/NDF:55.1/27

All: -338.699+/-207.078 χ^2/NDF: 89.0/53



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 972.166+/-0.249 χ^2/NDF:300964.0/9

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 975.670+/-0.236 χ^2/NDF:251853.2/9

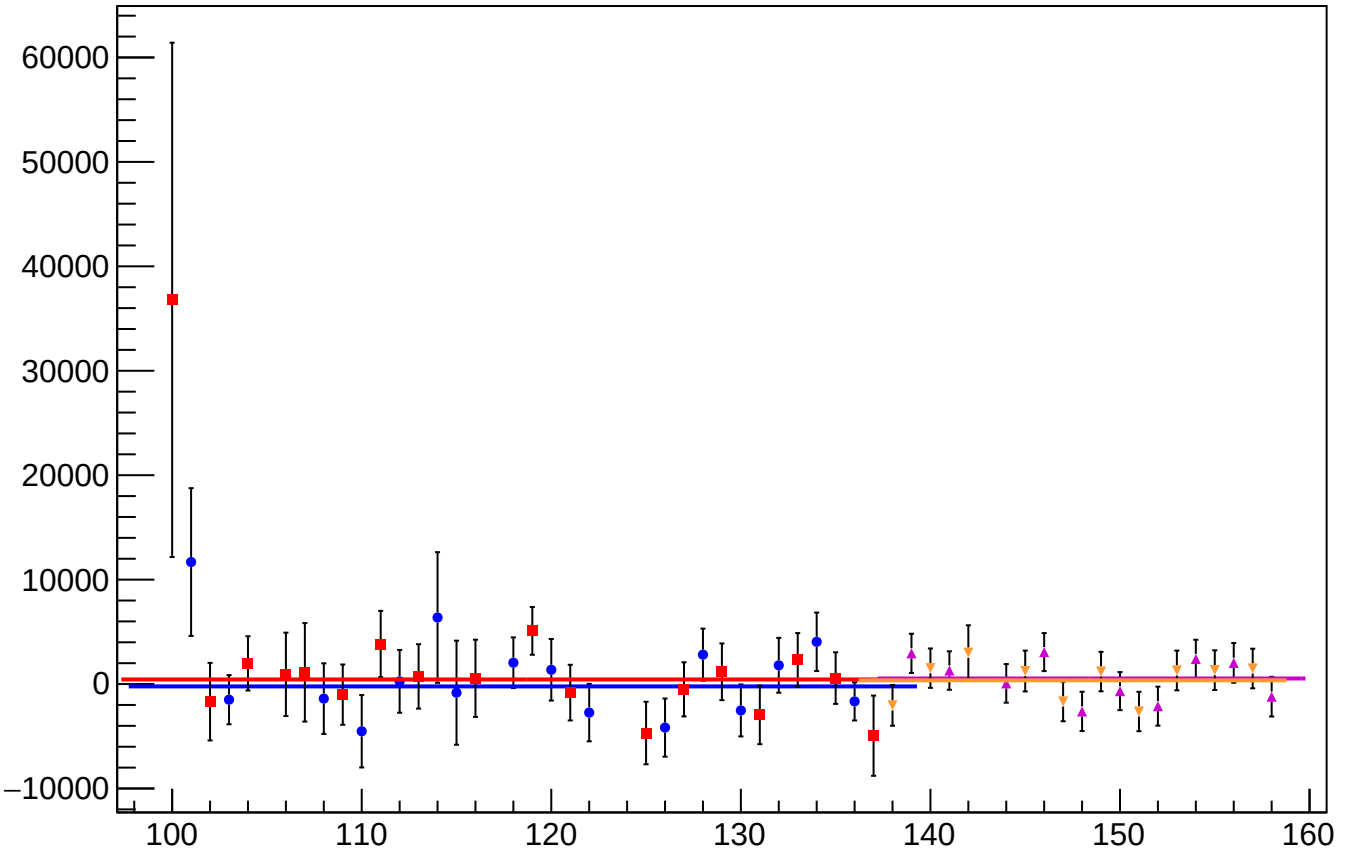
Left: 974.009+/-0.171 χ^2/NDF: 552921.8/19

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1092.314+/-0.202 χ^2/NDF:2328026.7/25

Out: 1112.742+/-0.213 χ^2/NDF:2534845.7/27

All: 1101.973+/-0.146 χ^2/NDF: 4867723.8/53



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 355.920+/-617.574 χ^2/NDF:7.8/9

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 534.603+/-588.172 χ^2/NDF:11.6/9

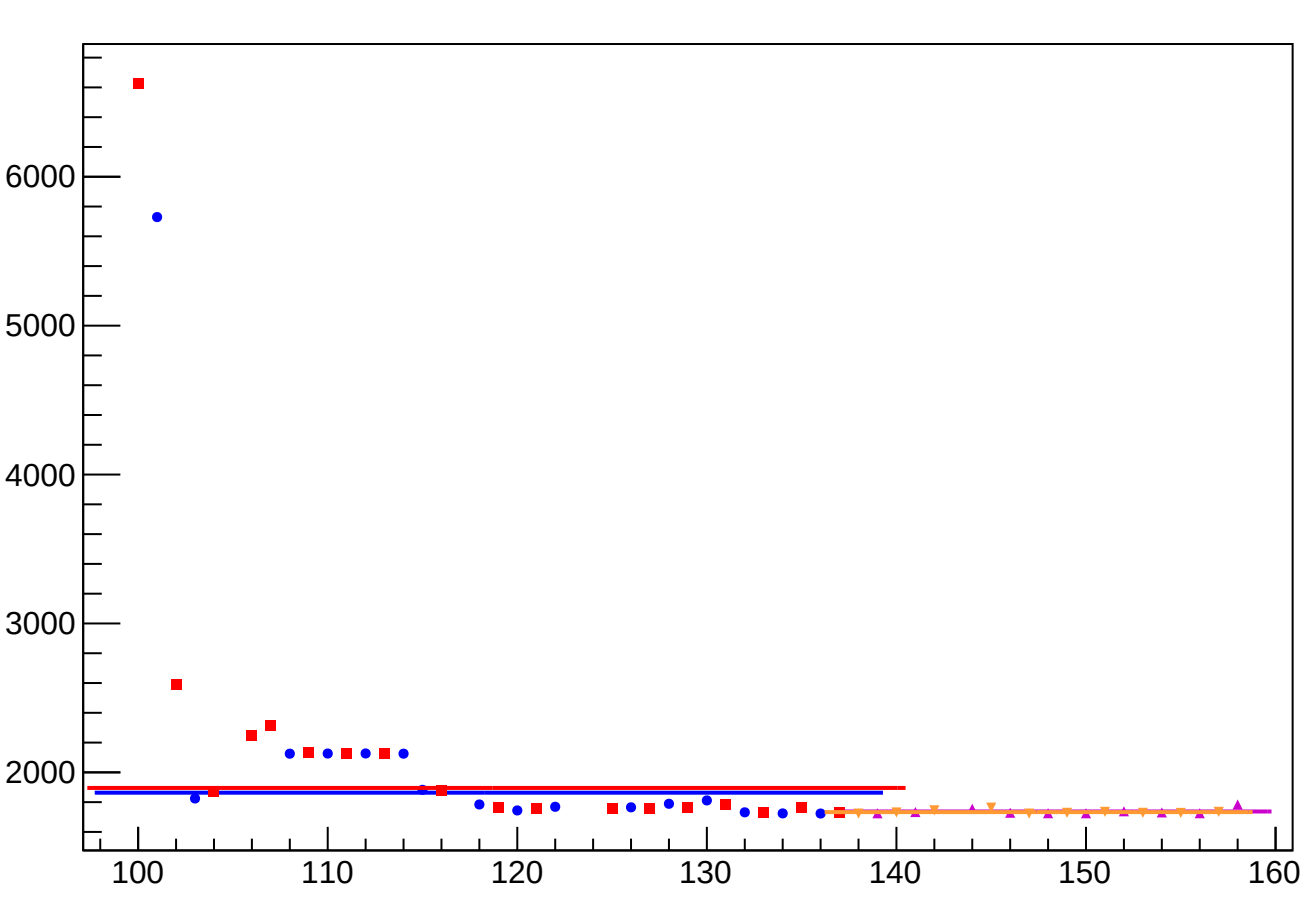
Left: 449.616+/-425.916 χ^2/NDF: 19.4/19

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 225.533+/-452.720 χ^2/NDF:28.0/25

Out: 393.250+/-466.838 χ^2/NDF:23.6/27

All: 306.817+/-324.998 χ^2/NDF: 51.7/53



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.150+/-0.437 χ^2/NDF:666.4/9

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

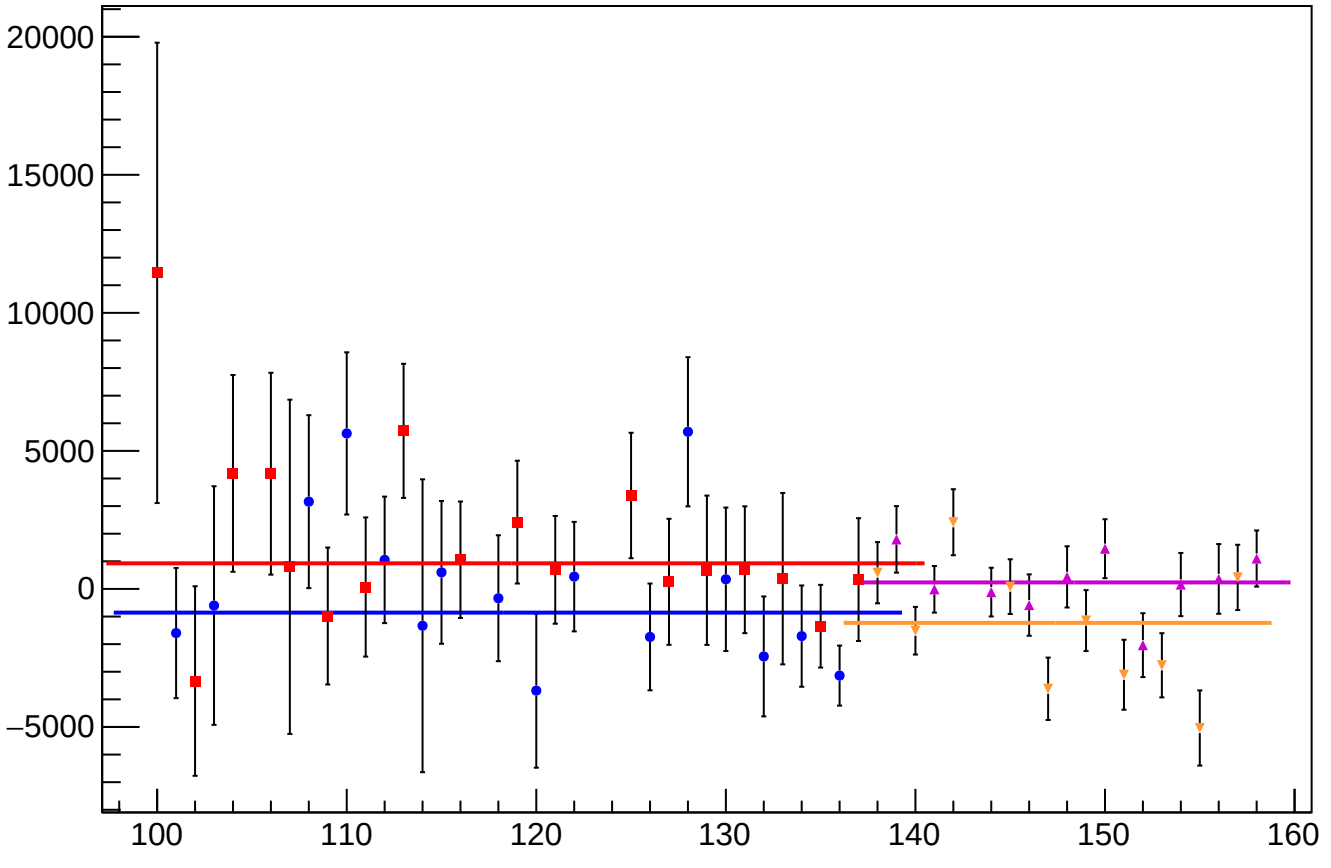
Left: 1735.319+/-0.301 χ^2/NDF: 2543.4/19

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1788.757+/-0.320 χ^2/NDF:714077.0/25

Out: 1802.727+/-0.330 χ^2/NDF:319068.5/27

All: 1795.528+/-0.230 χ^2/NDF: 1034068.4/53



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1229.431+/-351.476 χ^2/NDF:32.0/9

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 235.972+/-333.616 χ^2/NDF:8.4/9

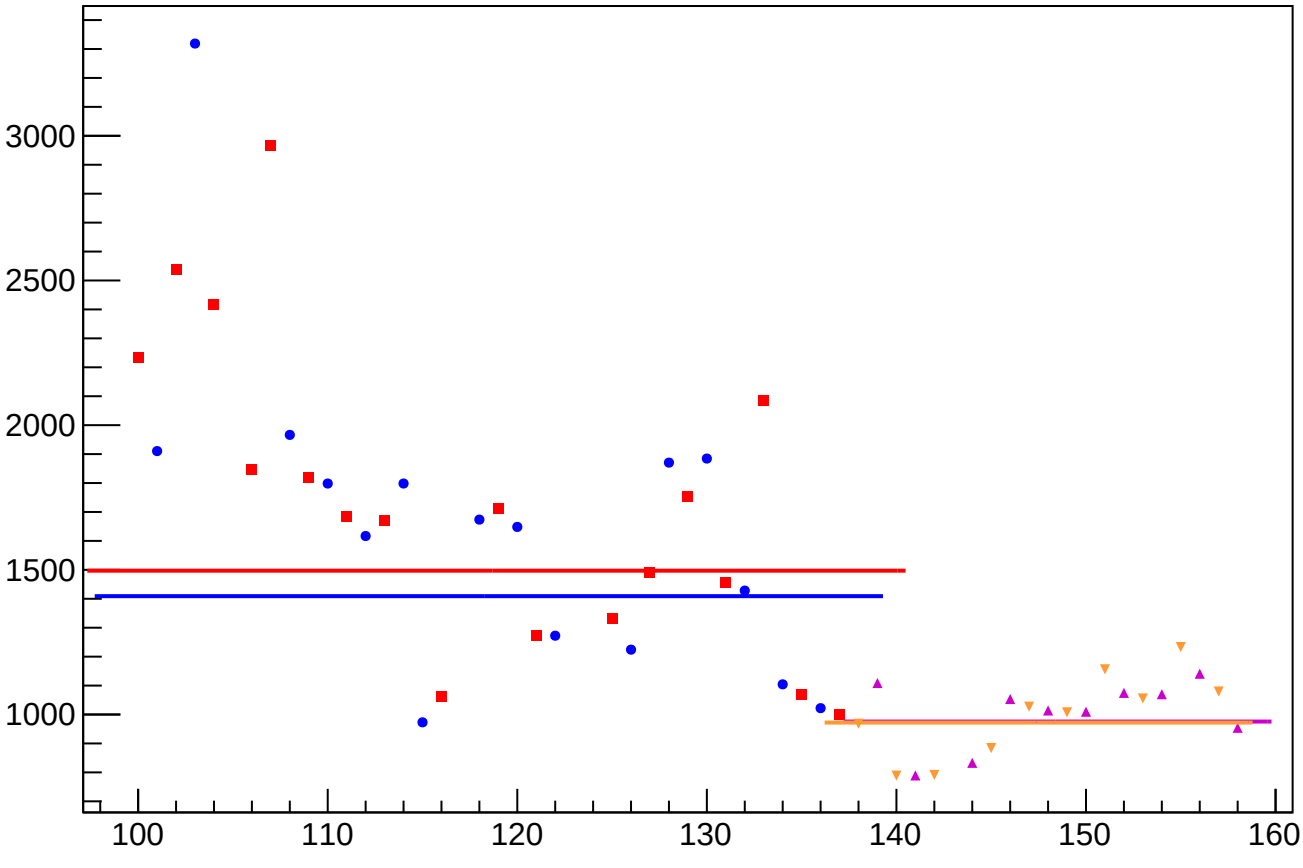
Left: -458.552+/-241.970 χ^2/NDF: 49.6/19

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -58.501+/-285.207 χ^2/NDF:31.9/25

Out: -657.259+/-301.264 χ^2/NDF:55.5/27

All: -341.498+/-207.116 χ^2/NDF: 89.5/53



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 972.168+/-0.249 χ^2/NDF:300929.5/9

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 975.666+/-0.236 χ^2/NDF:251869.1/9

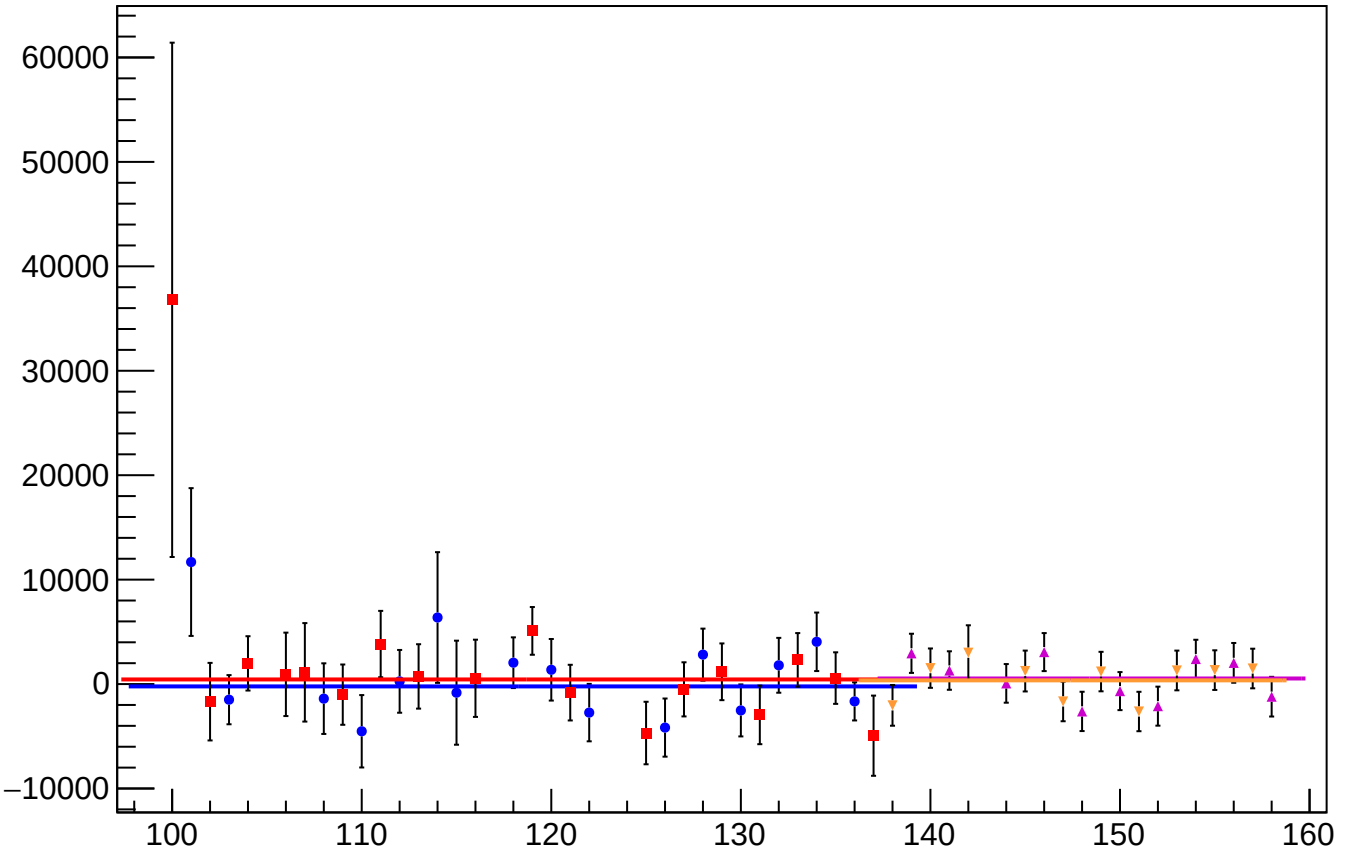
Left: 974.008+/-0.171 χ^2/NDF: 552902.9/19

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1092.303+/-0.202 χ^2/NDF:2327199.2/25

Out: 1111.450+/-0.213 χ^2/NDF:2502852.4/27

All: 1101.353+/-0.146 χ^2/NDF: 4834312.2/53



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 355.920+/-617.574 χ^2/NDF:7.8/9

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 534.603+/-588.172 χ^2/NDF:11.6/9

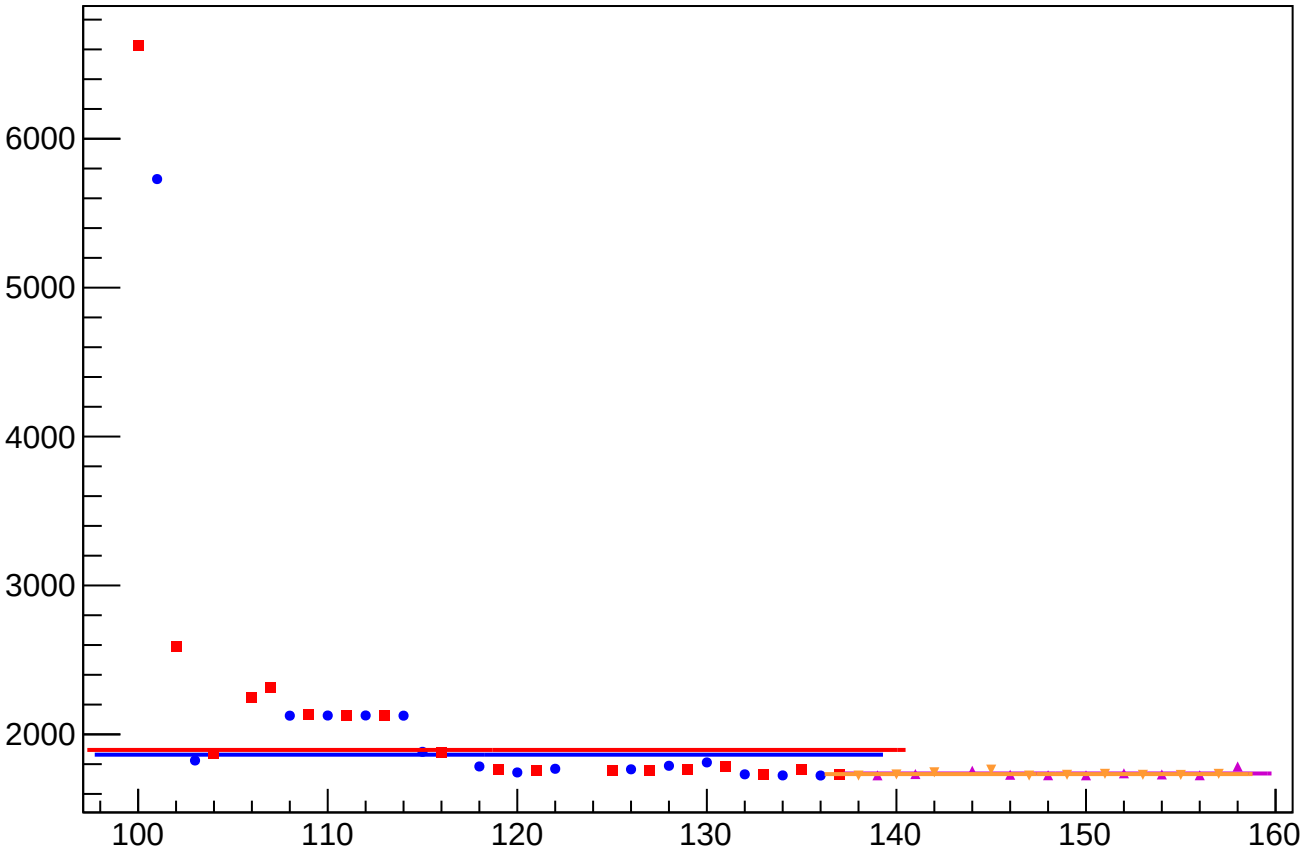
Left: 449.616+/-425.916 χ^2/NDF: 19.4/19

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 225.533+/-452.720 χ^2/NDF:28.0/25

Out: 393.250+/-466.838 χ^2/NDF:23.6/27

All: 306.817+/-324.998 χ^2/NDF: 51.7/53



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.150+/-0.437 χ^2/NDF:666.4/9

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

Left: 1735.319+/-0.301 χ^2/NDF: 2543.4/19

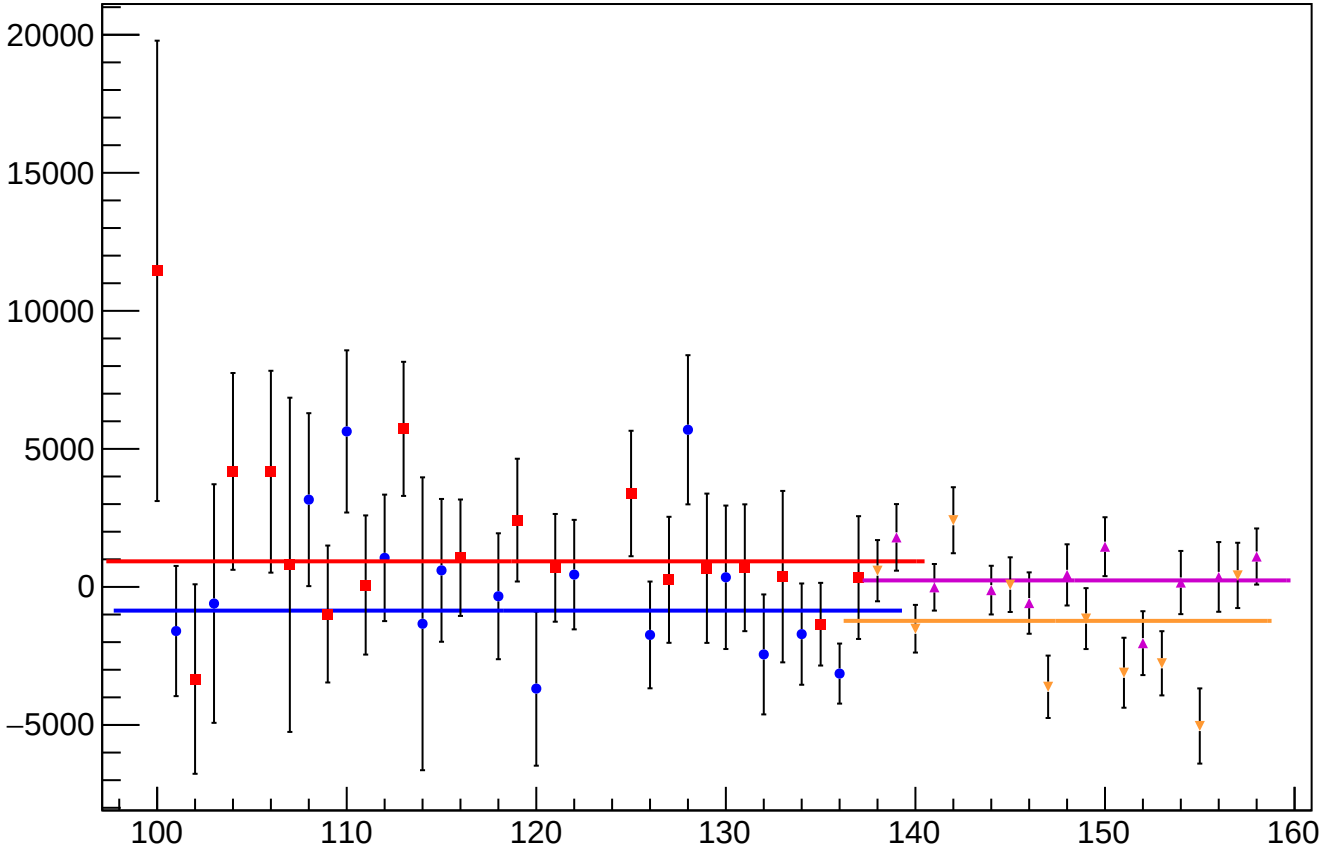
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1788.757+/-0.320 χ^2/NDF:714077.0/25

Out: 1802.727+/-0.330 χ^2/NDF:319068.5/27

All: 1795.528+/-0.230 χ^2/NDF: 1034068.4/53

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: -1229.431+/-351.476 χ^2/NDF:32.0/9

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 235.972+/-333.616 χ^2/NDF:8.4/9

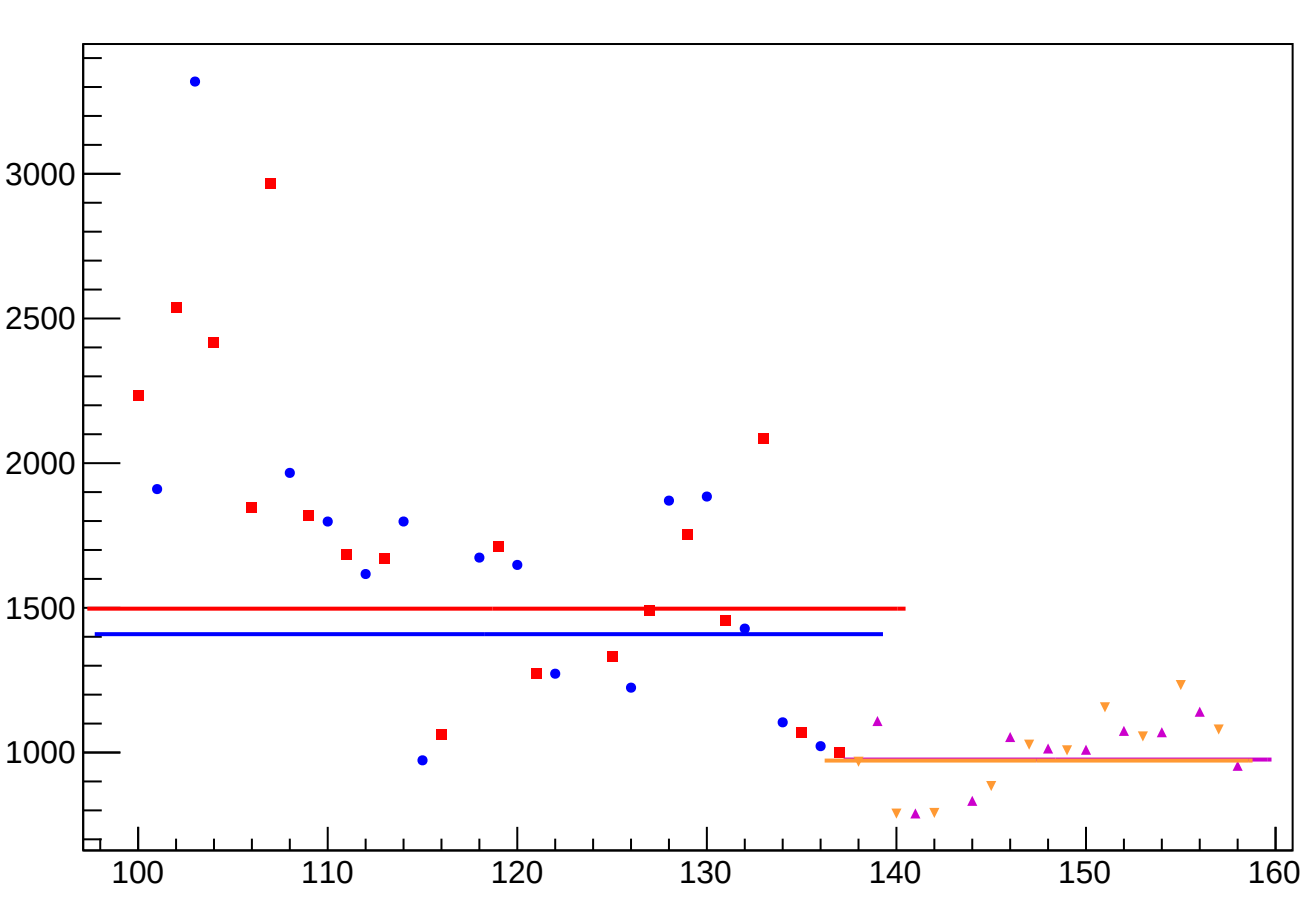
Left: -458.552+/-241.970 χ^2/NDF: 49.6/19

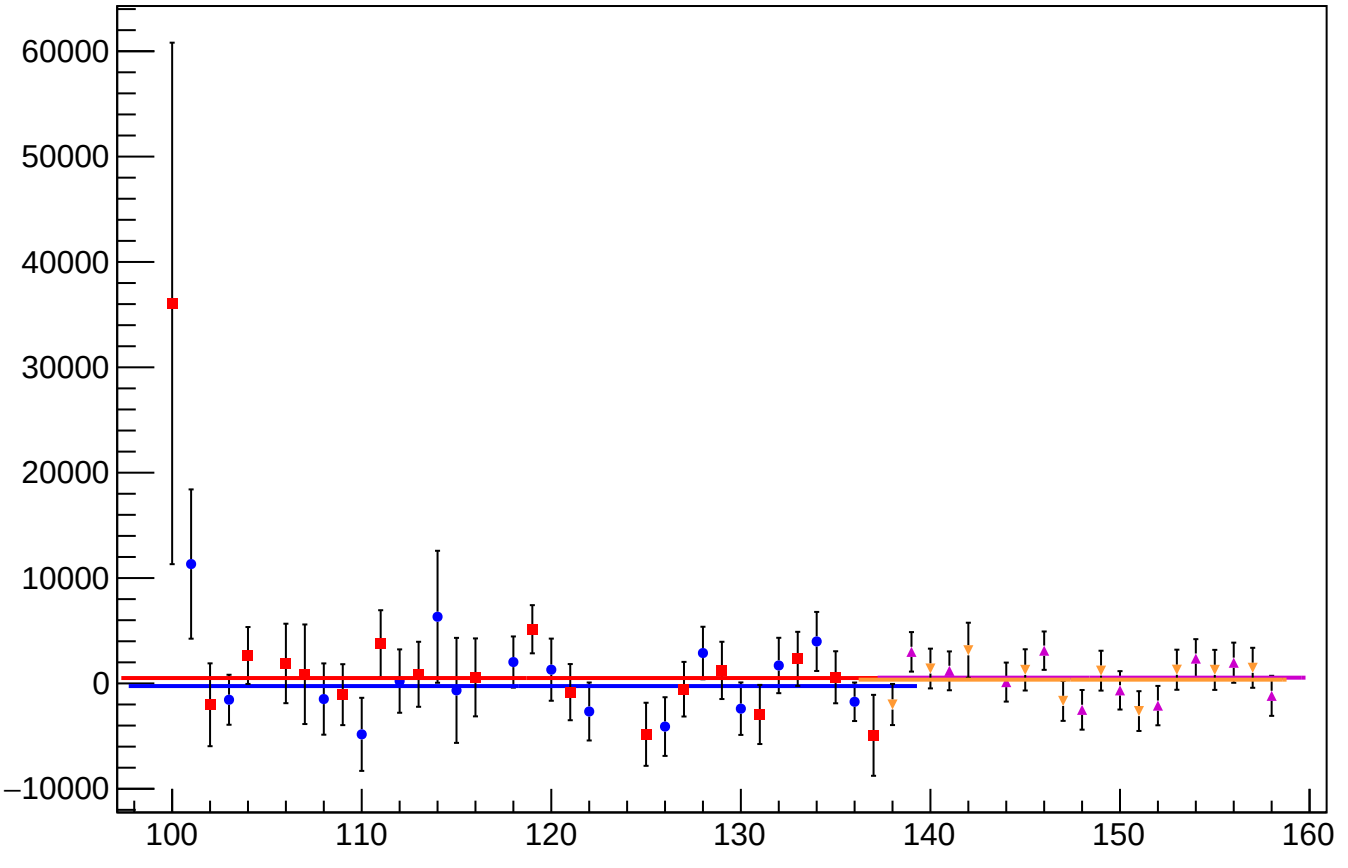
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -58.501+/-285.207 χ^2/NDF:31.9/25

Out: -657.259+/-301.264 χ^2/NDF:55.5/27

All: -341.498+/-207.116 χ^2/NDF: 89.5/53


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 972.168+/-0.249 χ²/NDF:300929.5/9
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 975.666+/-0.236 χ²/NDF:251869.1/9
Left: 974.008+/-0.171 χ²/NDF: 552902.9/19
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1092.303+/-0.202 χ²/NDF:2327199.2/25
Out: 1111.450+/-0.213 χ²/NDF:2502852.4/27
All: 1101.353+/-0.146 χ²/NDF: 4834312.2/53



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 356.130+/-617.752 χ^2/NDF:7.8/9

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 545.822+/-588.450 χ^2/NDF:11.3/9

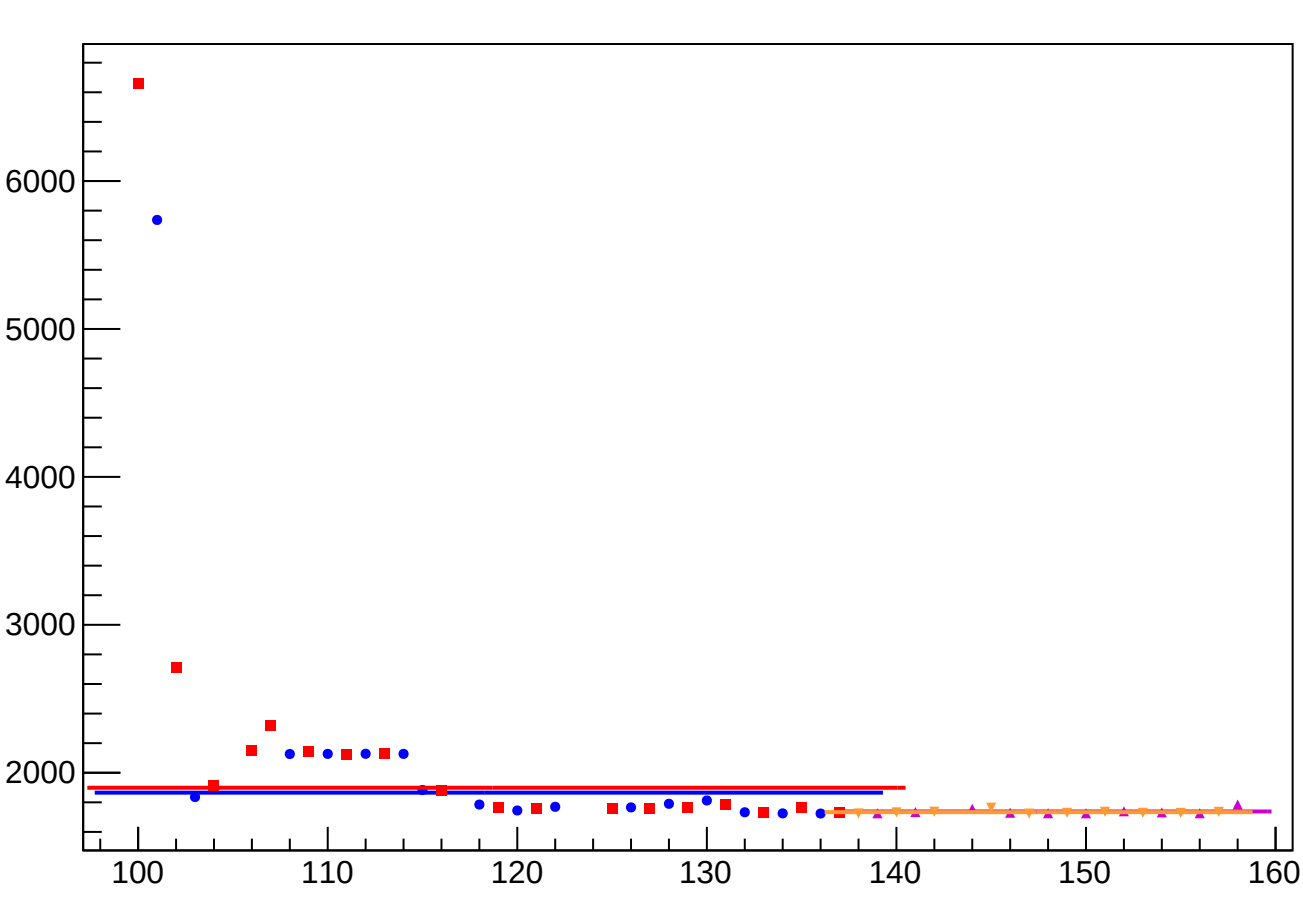
Left: 455.581+/-426.079 χ^2/NDF: 19.1/19

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 220.923+/-453.060 χ^2/NDF:27.7/25

Out: 421.900+/-467.571 χ^2/NDF:24.2/27

All: 318.245+/-325.371 χ^2/NDF: 52.0/53



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.588+/-0.437 χ^2/NDF:616.5/9

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1738.105+/-0.416 χ^2/NDF:1826.1/9

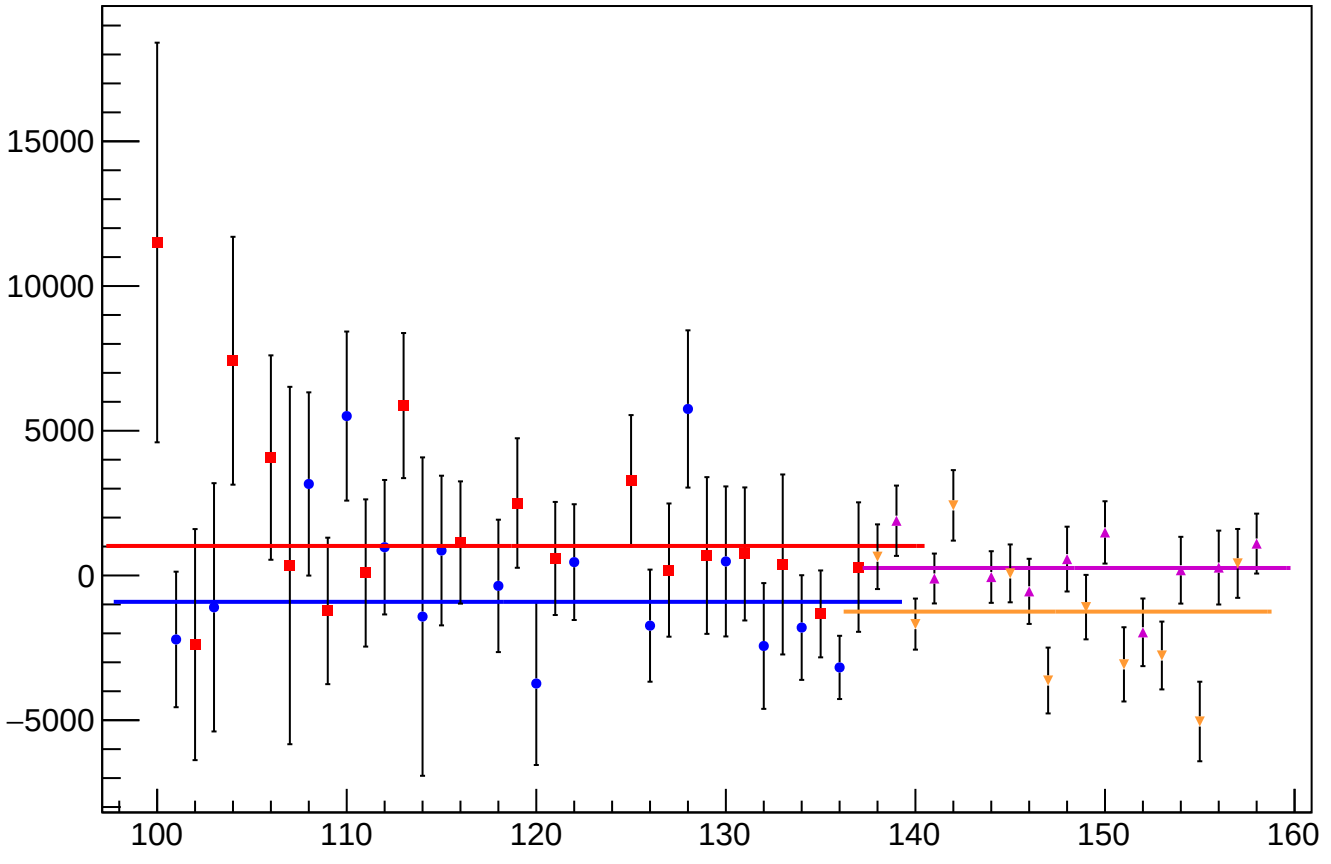
Left: 1735.956+/-0.301 χ^2/NDF: 2498.7/19

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1789.958+/-0.320 χ^2/NDF:714951.5/25

Out: 1804.069+/-0.331 χ^2/NDF:330679.8/27

All: 1796.791+/-0.230 χ^2/NDF: 1046570.7/53



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1248.828+/-355.503 χ^2/NDF:31.6/9

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 258.712+/-337.811 χ^2/NDF:8.3/9

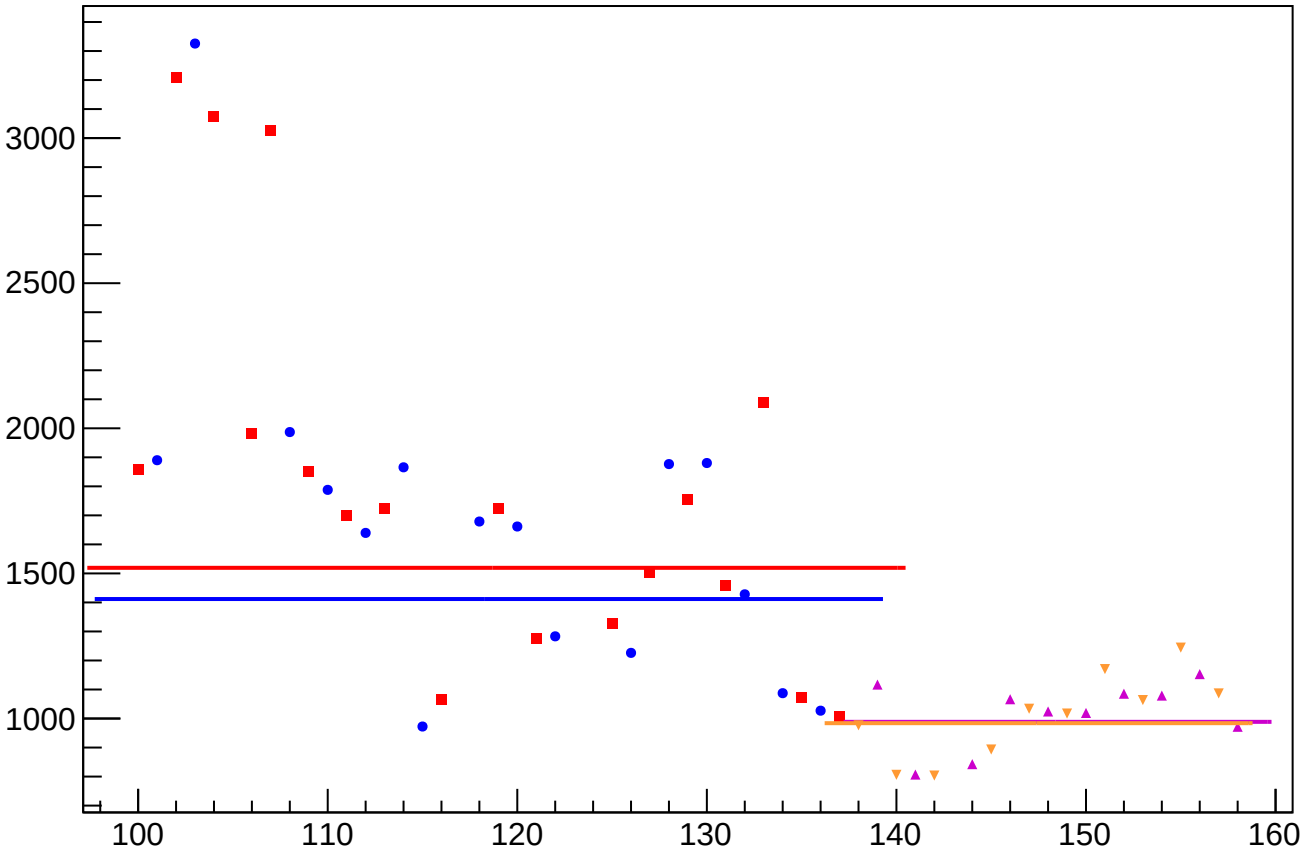
Left: -456.614+/-244.884 χ^2/NDF: 49.4/19

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -60.969+/-287.971 χ^2/NDF:32.6/25

Out: -646.871+/-304.718 χ^2/NDF:57.4/27

All: -337.378+/-209.297 χ^2/NDF: 91.9/53



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 983.962+/-0.251 χ^2/NDF:285586.9/9

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 988.581+/-0.239 χ^2/NDF:237720.2/9

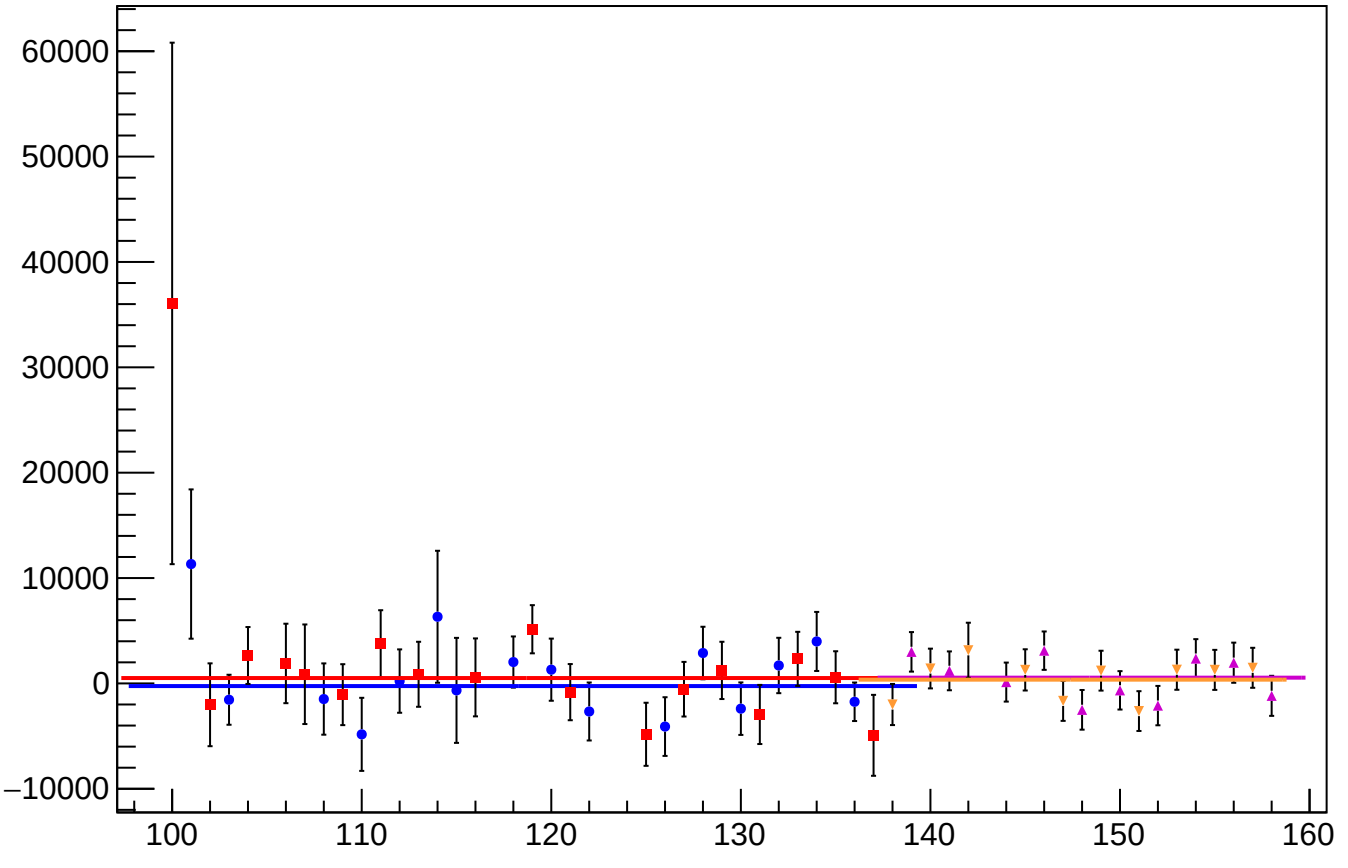
Left: 986.389+/-0.173 χ^2/NDF: 523484.6/19

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1104.237+/-0.204 χ^2/NDF:2273209.9/25

Out: 1125.989+/-0.215 χ^2/NDF:2848959.0/27

All: 1114.499+/-0.148 χ^2/NDF: 5127552.7/53



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 356.127+/-617.752 χ^2/NDF:7.8/9

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 545.822+/-588.450 χ^2/NDF:11.3/9

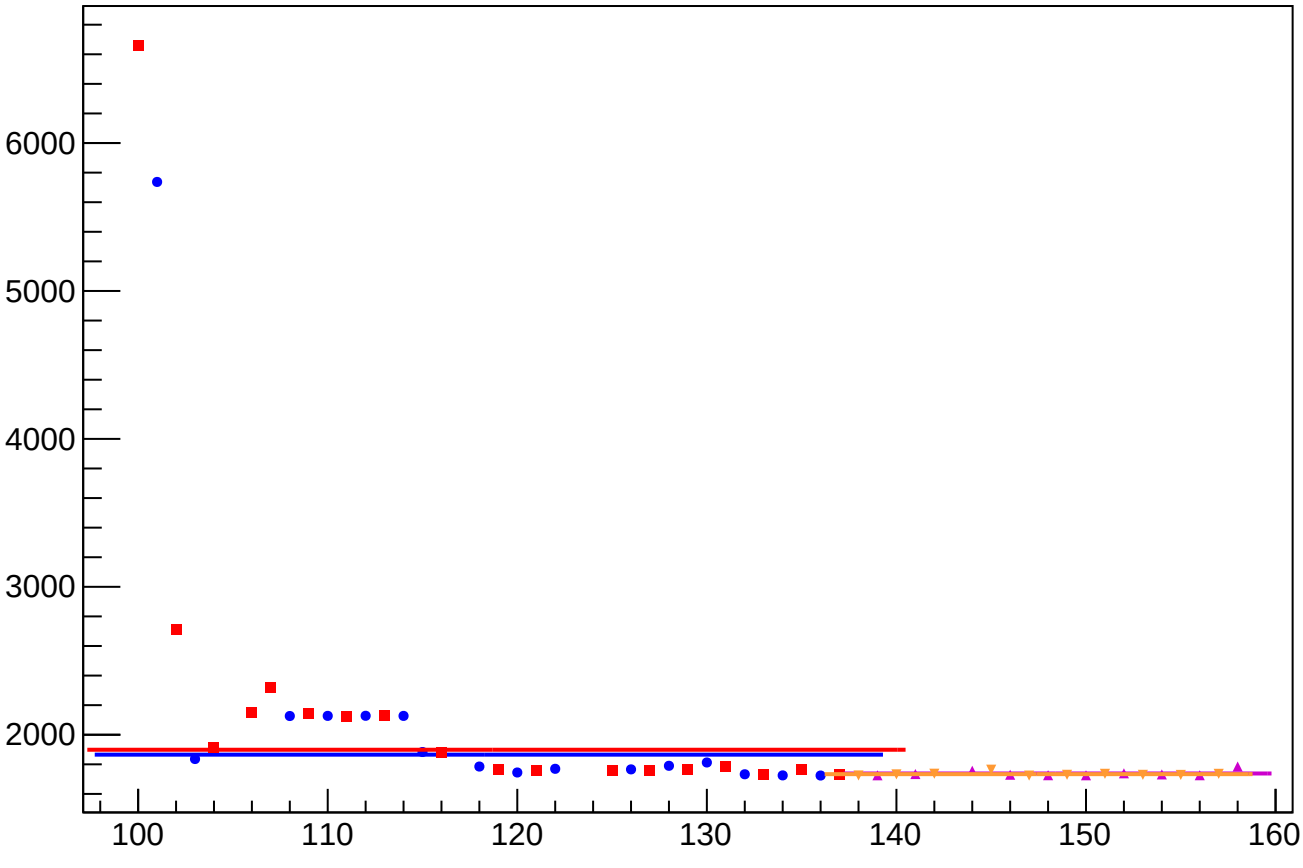
Left: 455.580+/-426.079 χ^2/NDF: 19.1/19

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 220.923+/-453.060 χ^2/NDF:27.7/25

Out: 421.898+/-467.571 χ^2/NDF:24.2/27

All: 318.244+/-325.371 χ^2/NDF: 52.0/53



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.588+/-0.437 χ^2/NDF:616.5/9

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1738.105+/-0.416 χ^2/NDF:1826.1/9

Left: 1735.956+/-0.301 χ^2/NDF: 2498.7/19

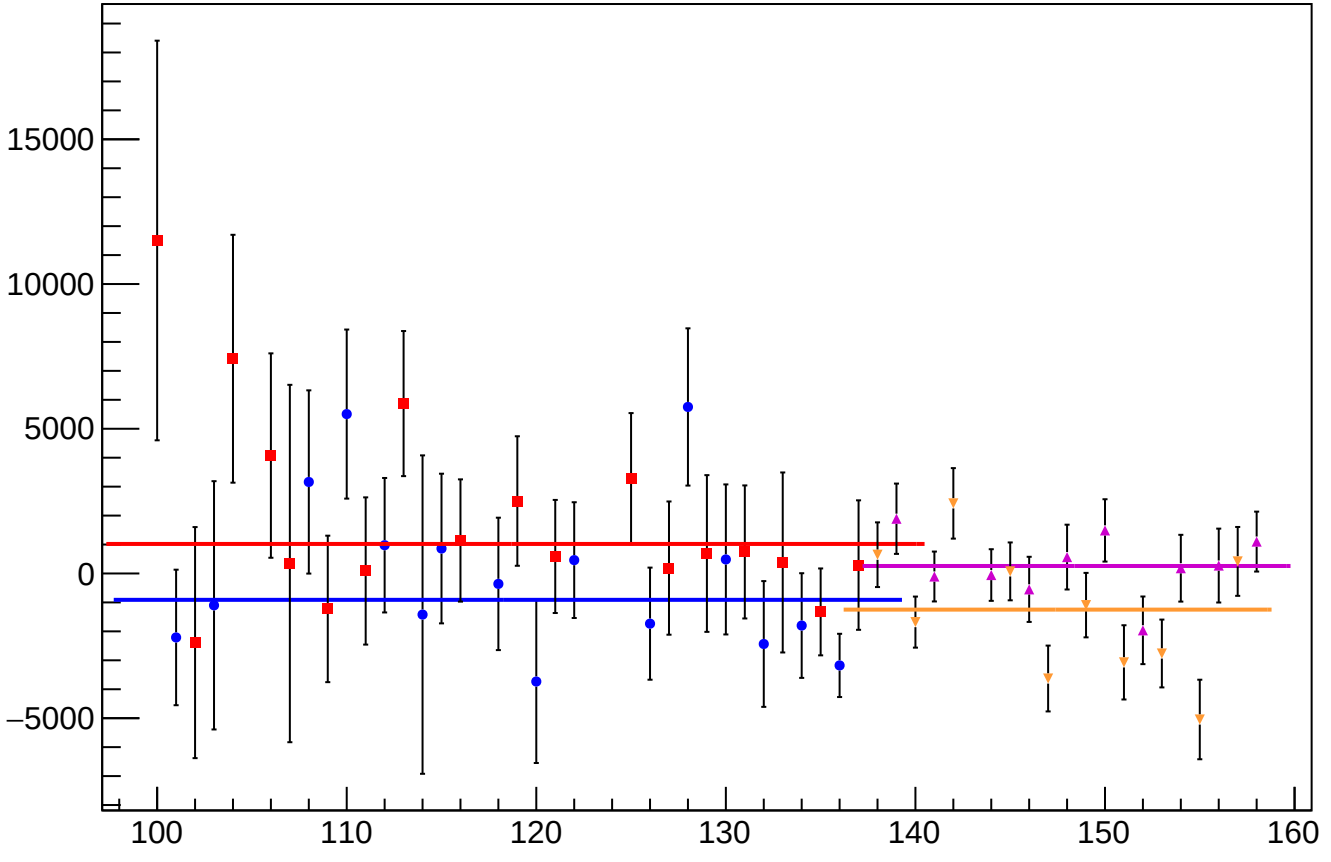
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1789.958+/-0.320 χ^2/NDF:714951.5/25

Out: 1804.068+/-0.331 χ^2/NDF:330679.5/27

All: 1796.791+/-0.230 χ^2/NDF: 1046570.4/53

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1248.827+/-355.503 χ^2/NDF:31.6/9

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 258.711+/-337.811 χ^2/NDF:8.3/9

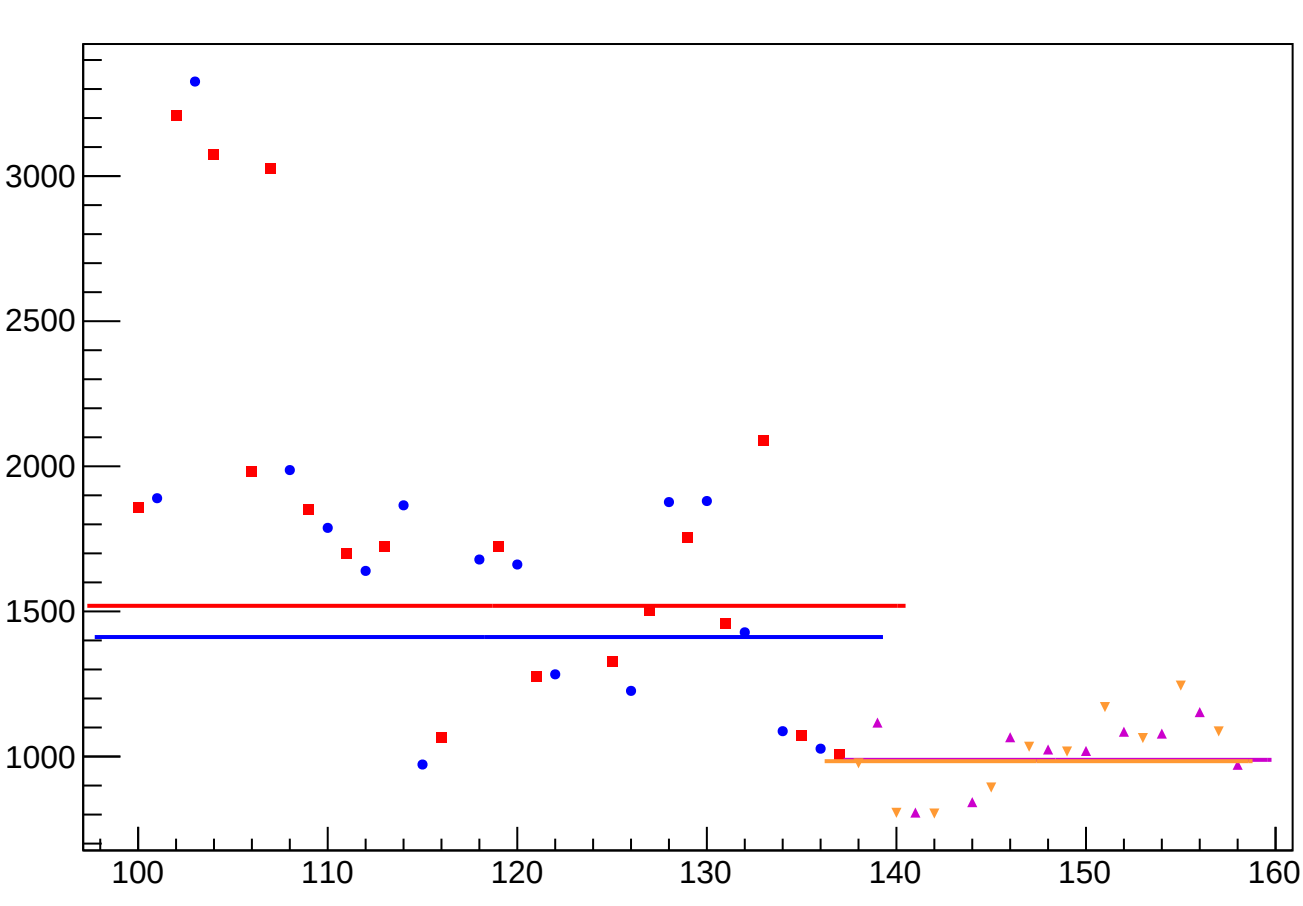
Left: -456.614+/-244.884 χ^2/NDF: 49.4/19

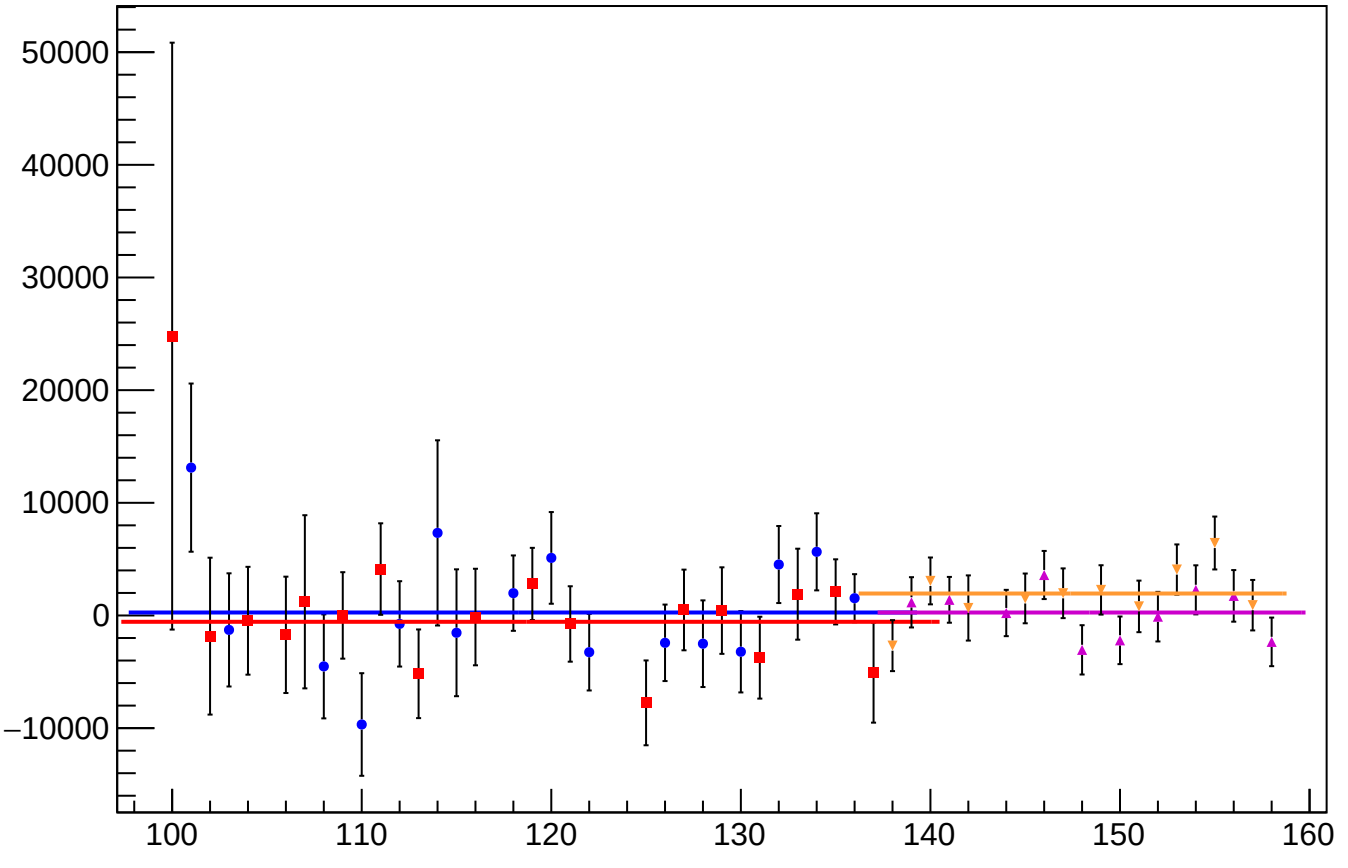
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -60.969+/-287.971 χ^2/NDF:32.6/25

Out: -646.870+/-304.718 χ^2/NDF:57.4/27

All: -337.378+/-209.296 χ^2/NDF: 91.9/53


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 983.961+/-0.251 χ²/NDF:285596.6/9
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 988.581+/-0.239 χ²/NDF:237728.2/9
Left: 986.389+/-0.173 χ²/NDF: 523502.3/19
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1104.236+/-0.204 χ²/NDF:2273207.8/25
Out: 1125.989+/-0.215 χ²/NDF:2848965.7/27
All: 1114.498+/-0.148 χ²/NDF: 5127557.1/53



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1949.088+/-718.481 χ^2/NDF:9.7/9

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 261.890+/-681.286 χ^2/NDF:9.3/9

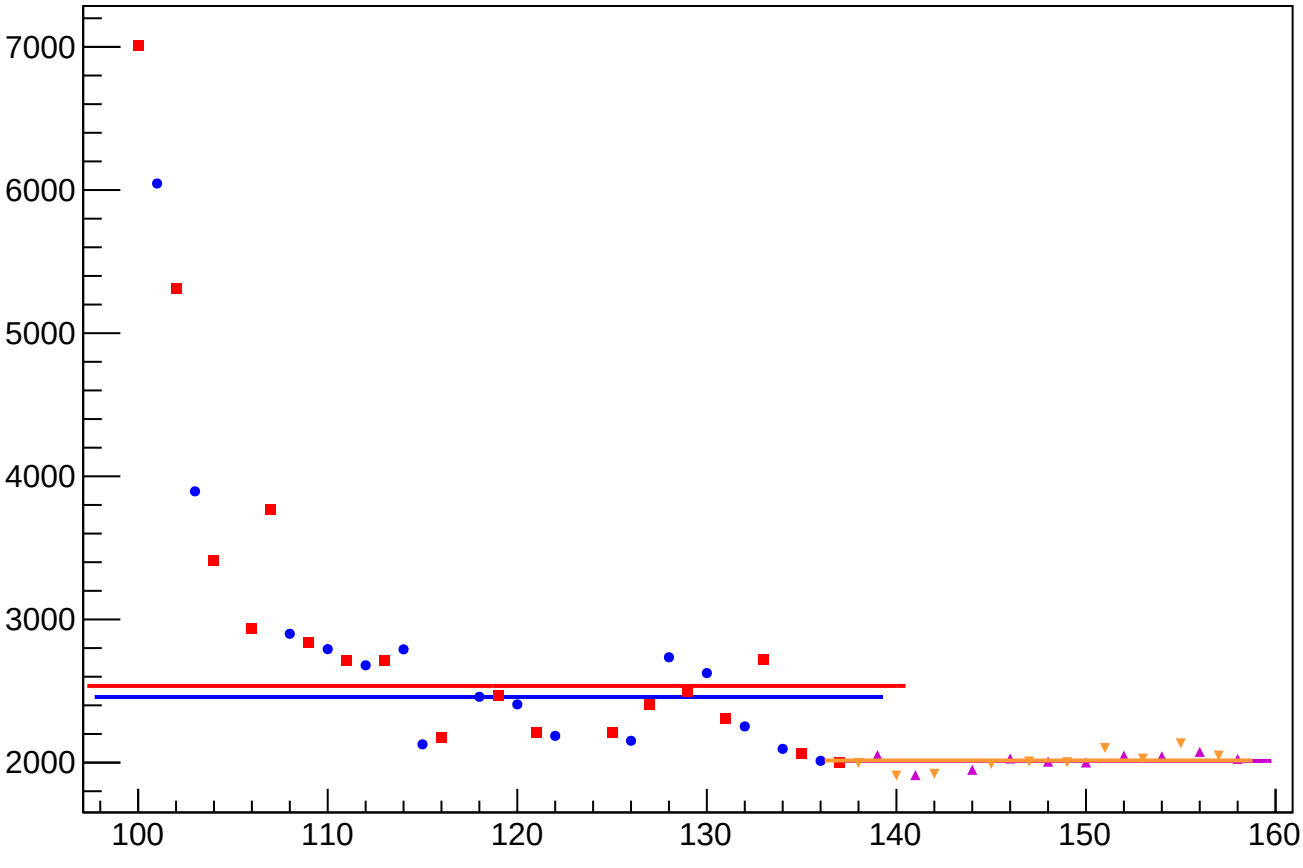
Left: 1060.687+/-494.368 χ^2/NDF: 22.0/19

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 262.746+/-552.035 χ^2/NDF:28.4/25

Out: 1051.444+/-575.853 χ^2/NDF:25.9/27

All: 640.447+/-398.502 χ^2/NDF: 55.2/53



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 2014.765+/-0.508 χ^2/NDF:16364.4/9

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2011.504+/-0.482 χ^2/NDF:10020.5/9

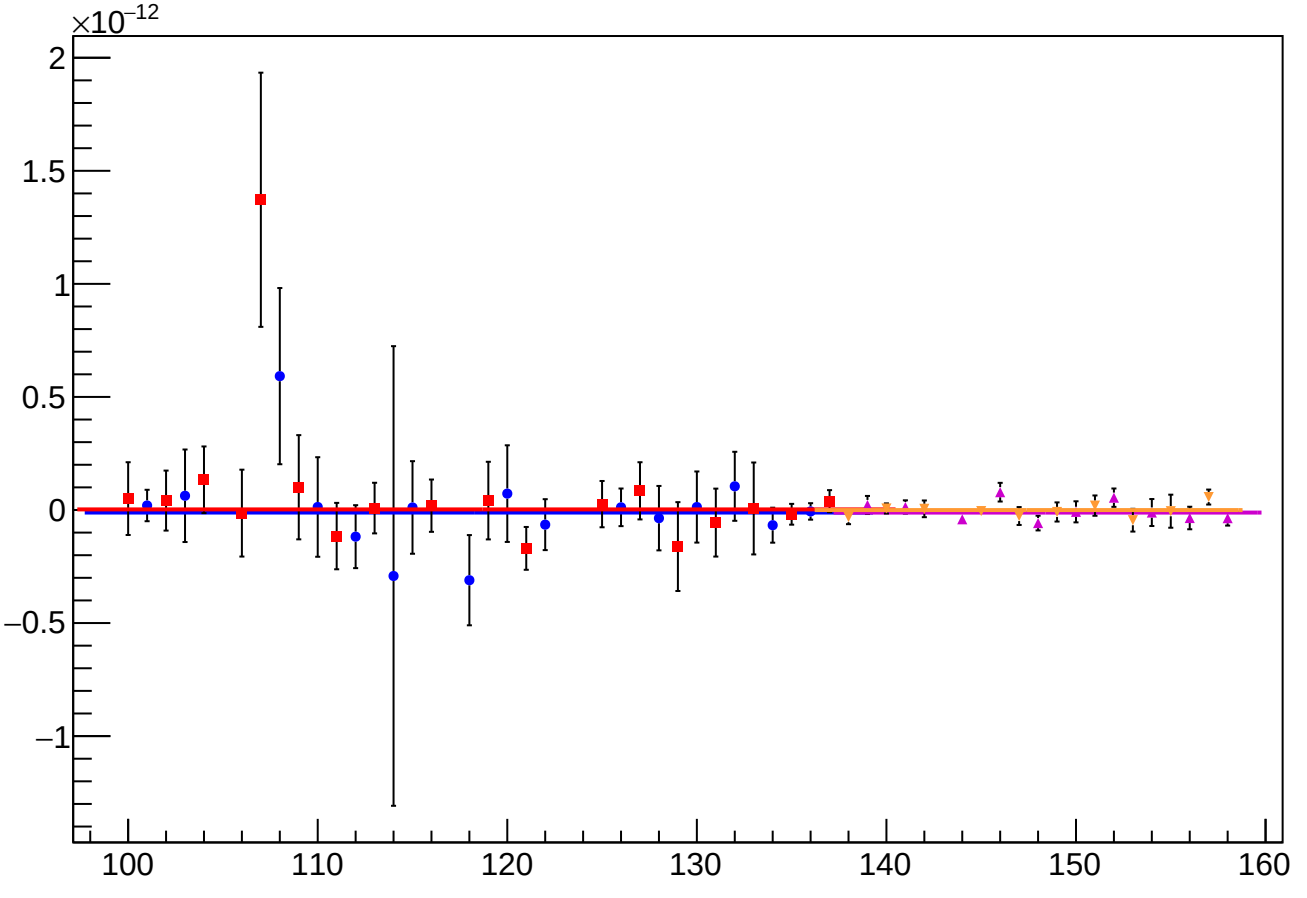
Left: 2013.048+/-0.350 χ^2/NDF: 26406.6/19

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2164.962+/-0.390 χ^2/NDF:1138371.4/25

Out: 2201.092+/-0.407 χ^2/NDF:1065822.7/27

All: 2182.265+/-0.282 χ^2/NDF: 2208296.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:13.7/9

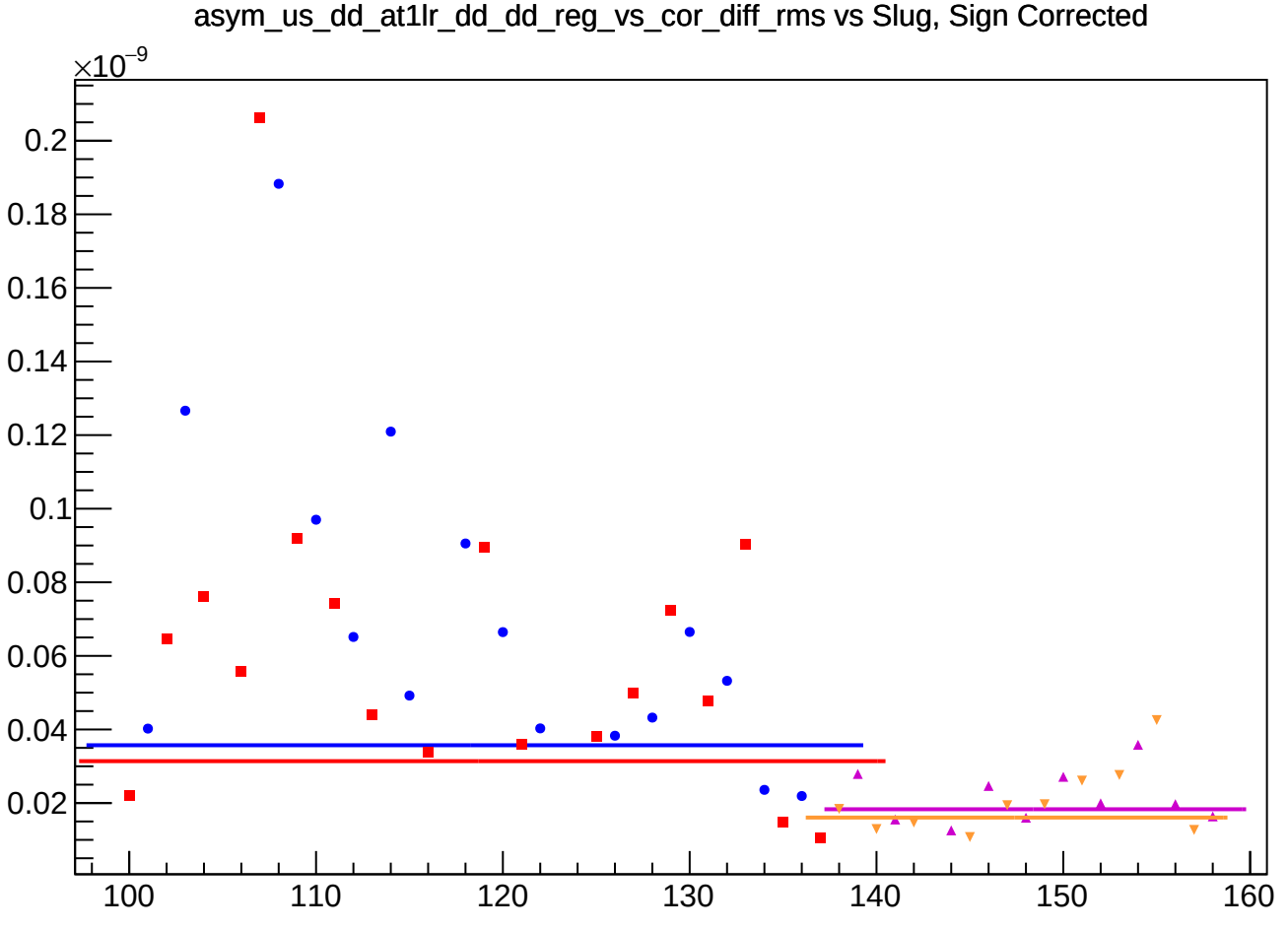
Left: -0.000+/-0.000 χ^2/NDF: 19.8/19

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:21.0/25

Out: 0.000+/-0.000 χ^2/NDF:18.9/27

All: -0.000+/-0.000 χ^2/NDF: 40.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:684240.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:595622.3/9

Left: 0.000+/-0.000 χ^2/NDF: 1323713.1/19

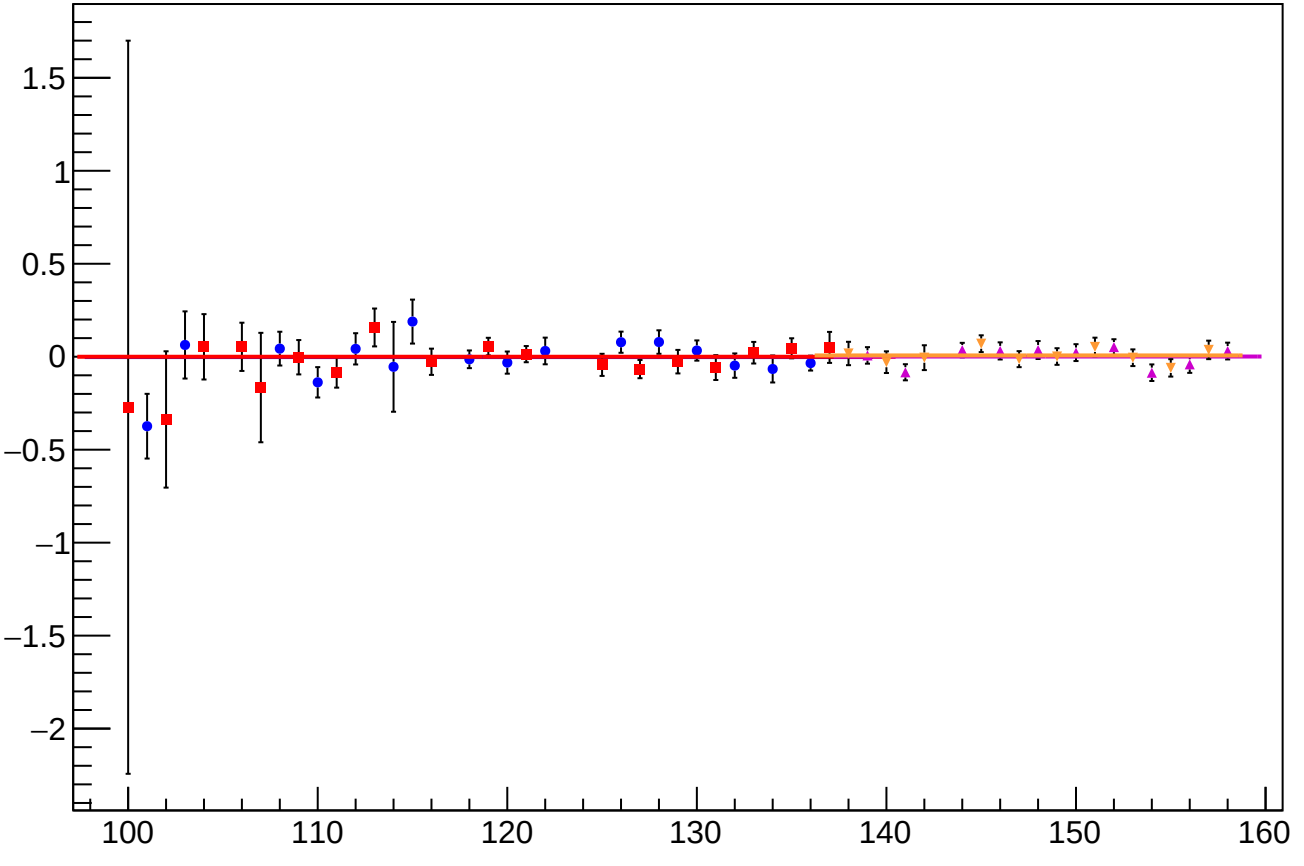
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3052710.0/25

Out: 0.000+/-0.000 χ^2/NDF:3418497.4/27

All: 0.000+/-0.000 χ^2/NDF: 6548415.4/53

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.014 χ^2/NDF:12.3/9

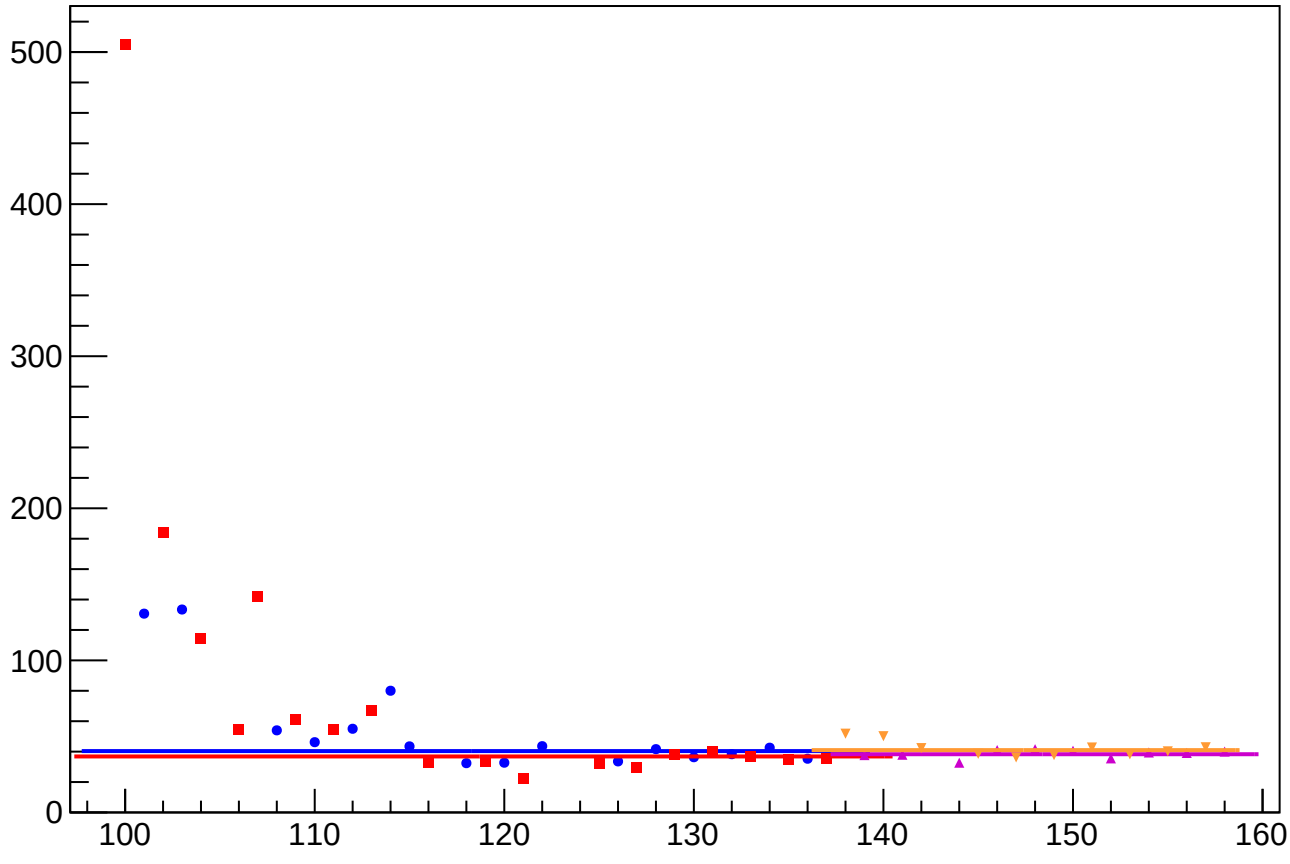
Left: 0.004+/-0.010 χ^2/NDF: 18.4/19

Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/25

Out: 0.004+/-0.011 χ^2/NDF:17.0/27

All: 0.002+/-0.008 χ^2/NDF: 46.5/53



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.988+/-0.011 χ^2/NDF:163927.5/9

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.291+/-0.010 χ^2/NDF:76315.5/9

Left: 39.485+/-0.007 χ^2/NDF: 273187.9/19

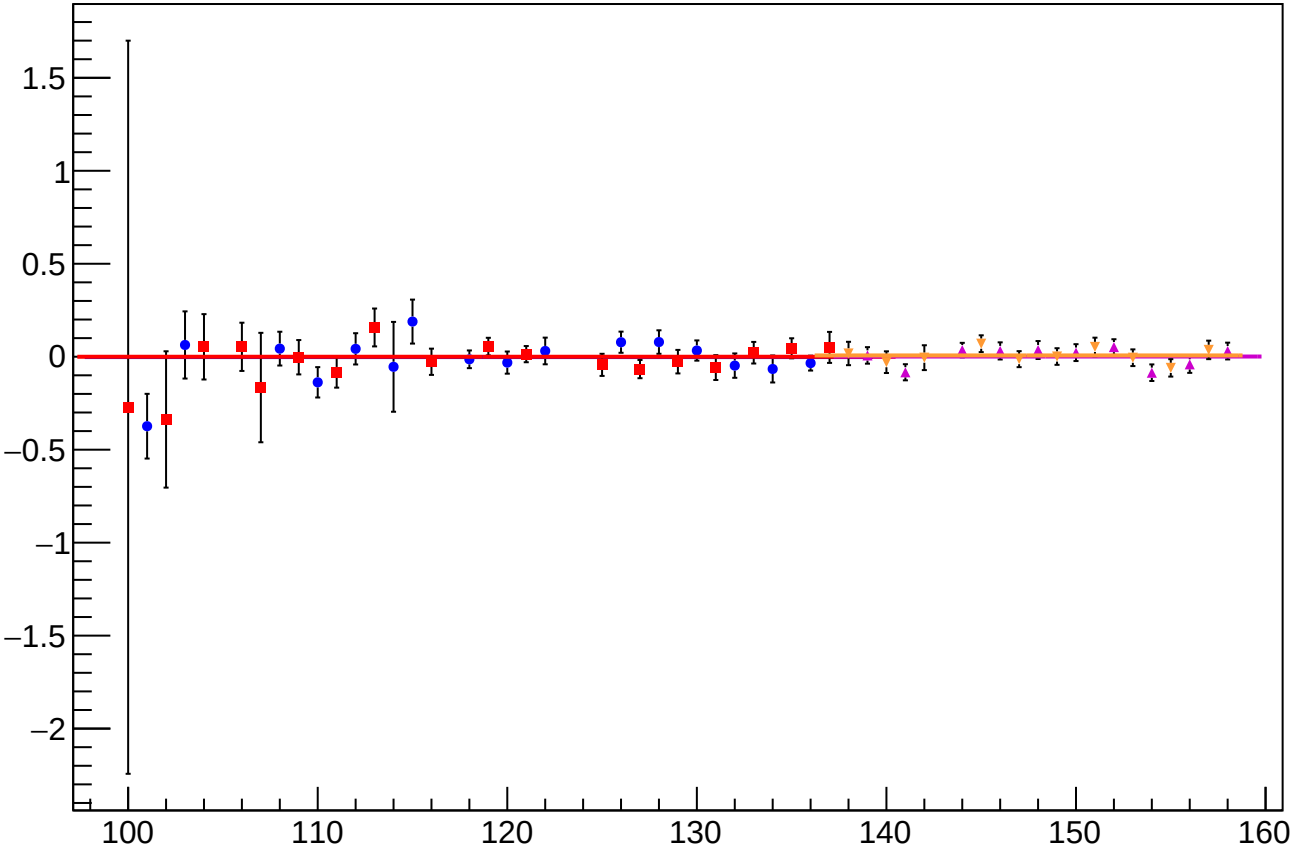
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.118+/-0.008 χ^2/NDF:1503879.0/25

Out: 39.032+/-0.008 χ^2/NDF:2067225.7/27

All: 39.077+/-0.006 χ^2/NDF: 3571164.1/53

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.014 χ^2/NDF:12.3/9

Left: 0.004+/-0.010 χ^2/NDF: 18.4/19

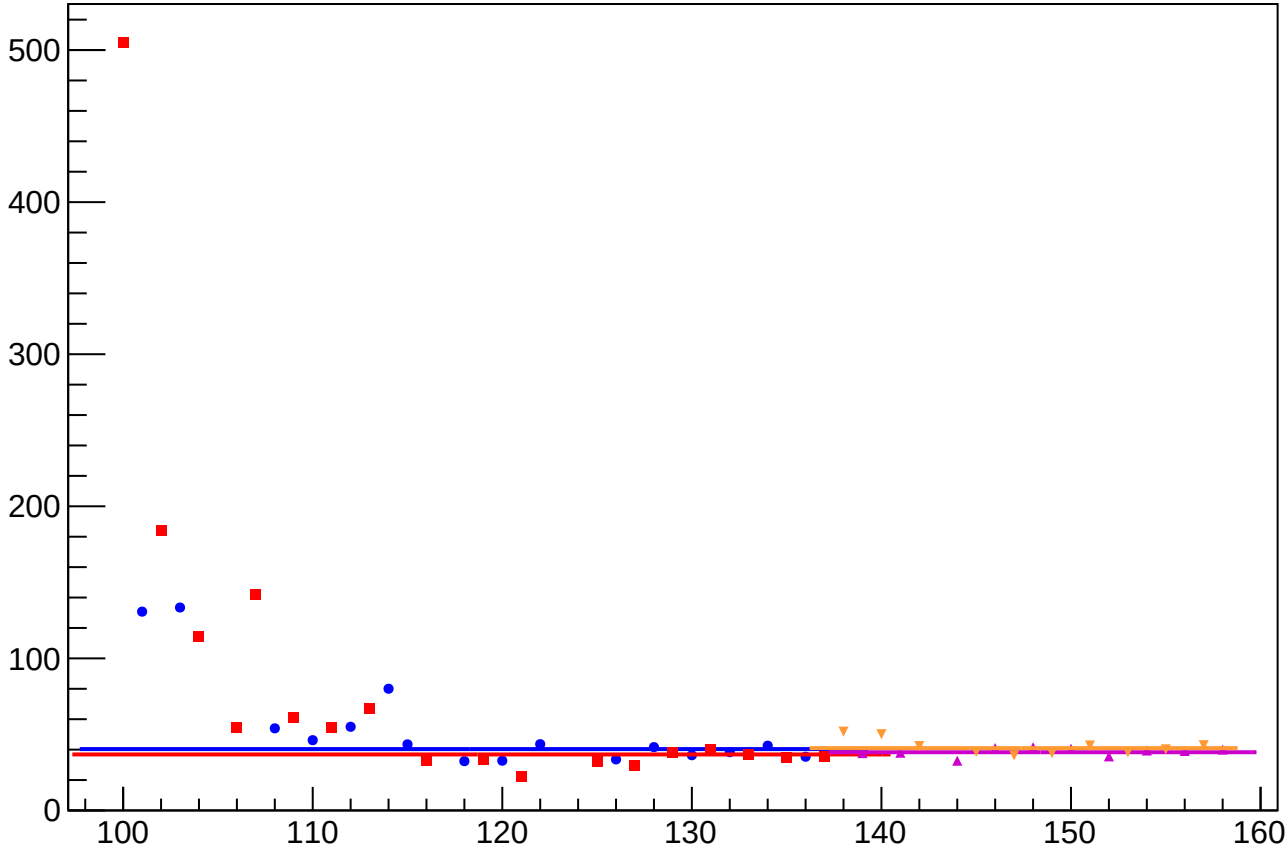
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/25

Out: 0.004+/-0.011 χ^2/NDF:17.0/27

All: 0.002+/-0.008 χ^2/NDF: 46.5/53

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: 40.988+/-0.011 χ^2/NDF:163927.5/9

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.291+/-0.010 χ^2/NDF:76315.5/9

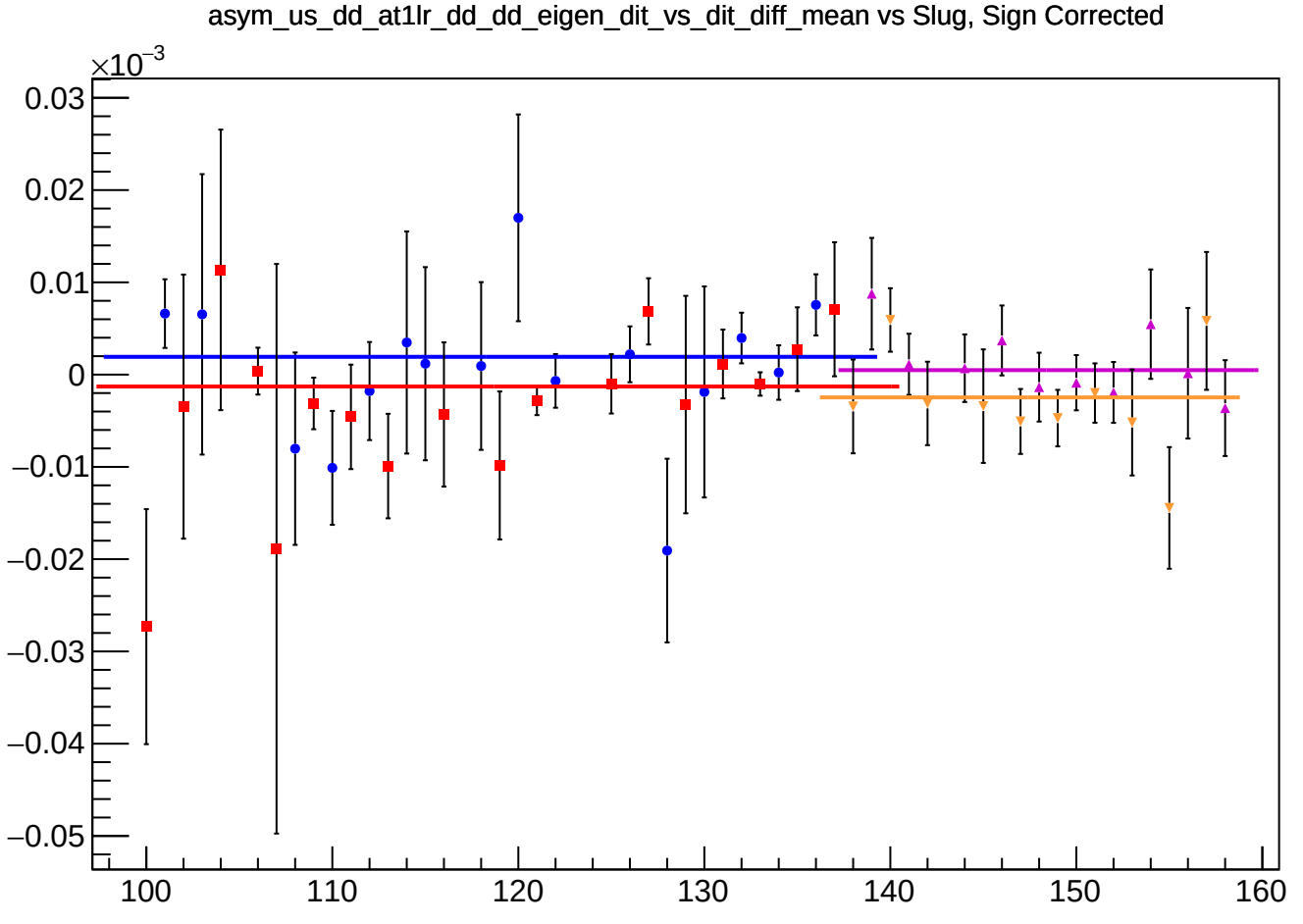
Left: 39.485+/-0.007 χ^2/NDF: 273187.9/19

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.118+/-0.008 χ^2/NDF:1503879.0/25

Out: 39.032+/-0.008 χ^2/NDF:2067225.7/27

All: 39.077+/-0.006 χ^2/NDF: 3571164.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:5.0/9

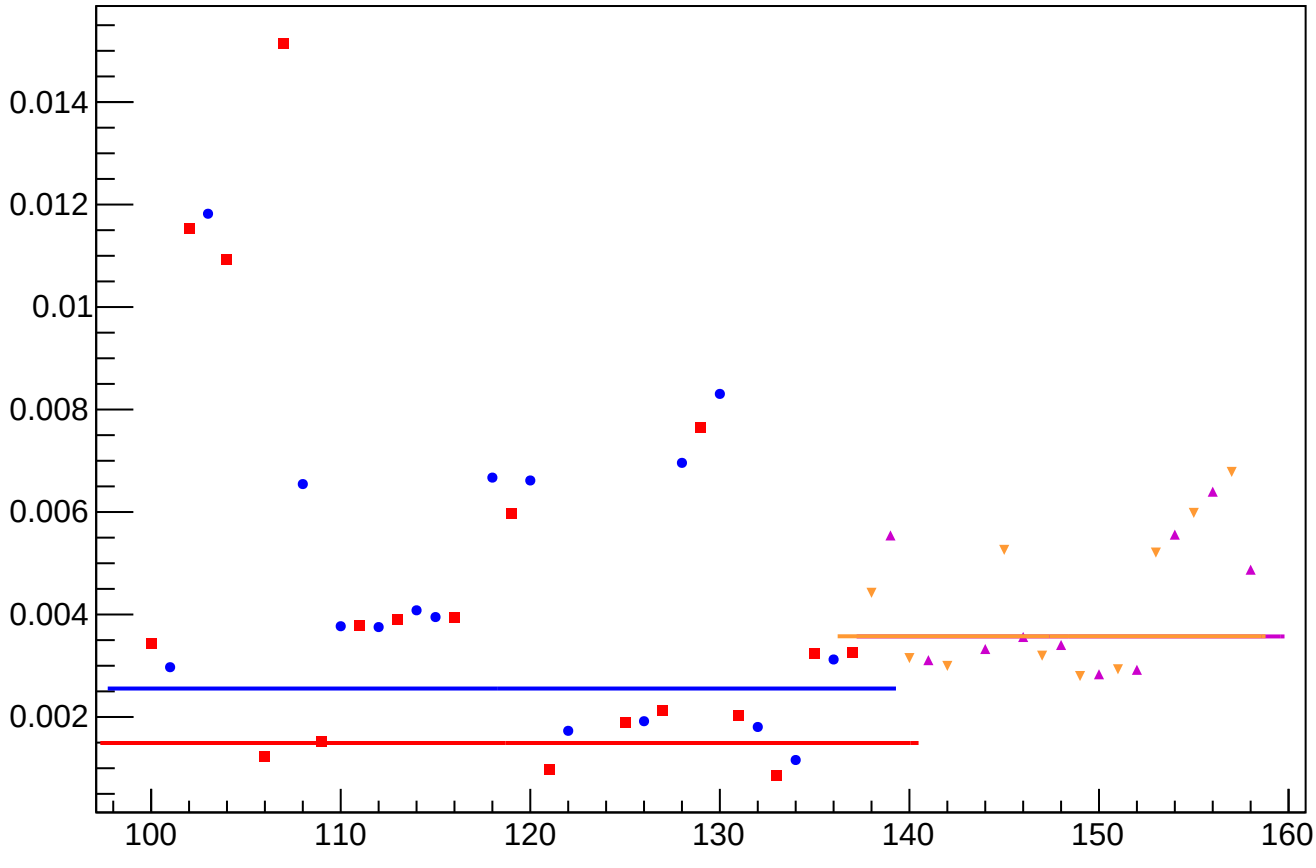
Left: -0.000+/-0.000 χ^2/NDF: 19.4/19

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:23.5/25

Out: -0.000+/-0.000 χ^2/NDF:31.4/27

All: -0.000+/-0.000 χ^2/NDF: 62.0/53



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:1298186.6/9

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1132933.2/9

Left: 0.004+/-0.000 χ^2/NDF: 2431125.7/19

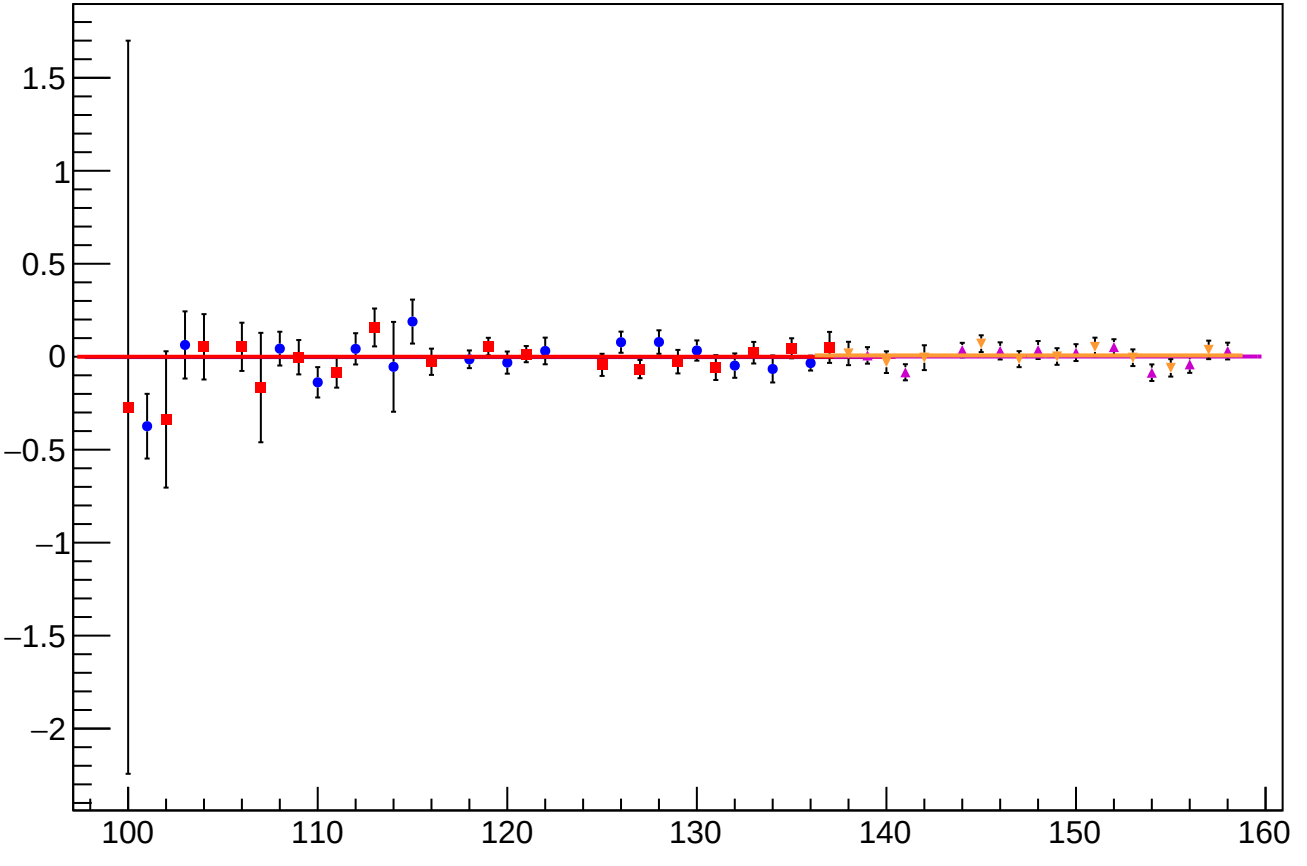
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:5625827.0/25

Out: 0.002+/-0.000 χ^2/NDF:10517578.8/27

All: 0.002+/-0.000 χ^2/NDF: 17961116.8/53

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.014 χ^2/NDF:12.3/9

Left: 0.004+/-0.010 χ^2/NDF: 18.4/19

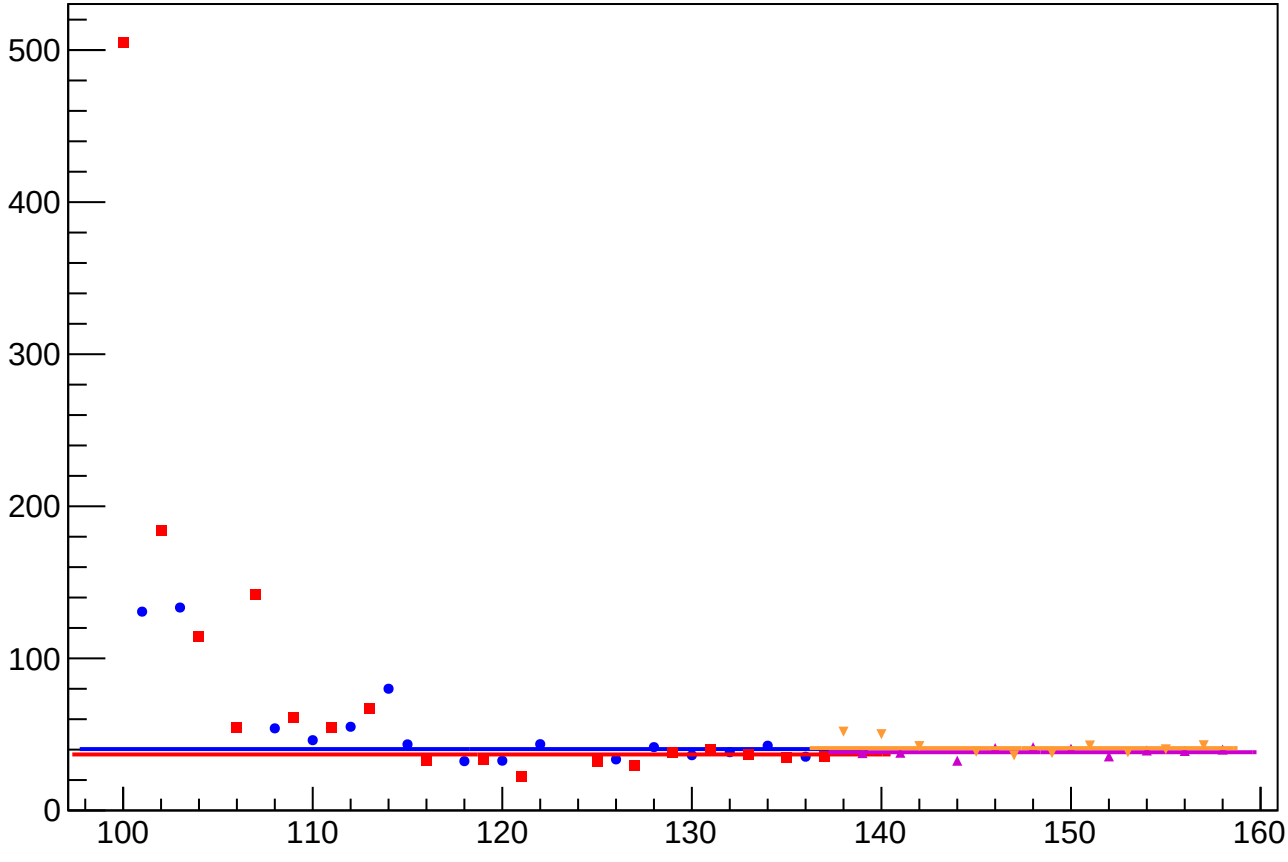
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/25

Out: 0.004+/-0.011 χ^2/NDF:17.0/27

All: 0.002+/-0.008 χ^2/NDF: 46.5/53

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: 40.989+/-0.011 χ^2/NDF:163936.3/9

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.291+/-0.010 χ^2/NDF:76309.3/9

Left: 39.485+/-0.007 χ^2/NDF: 273191.7/19

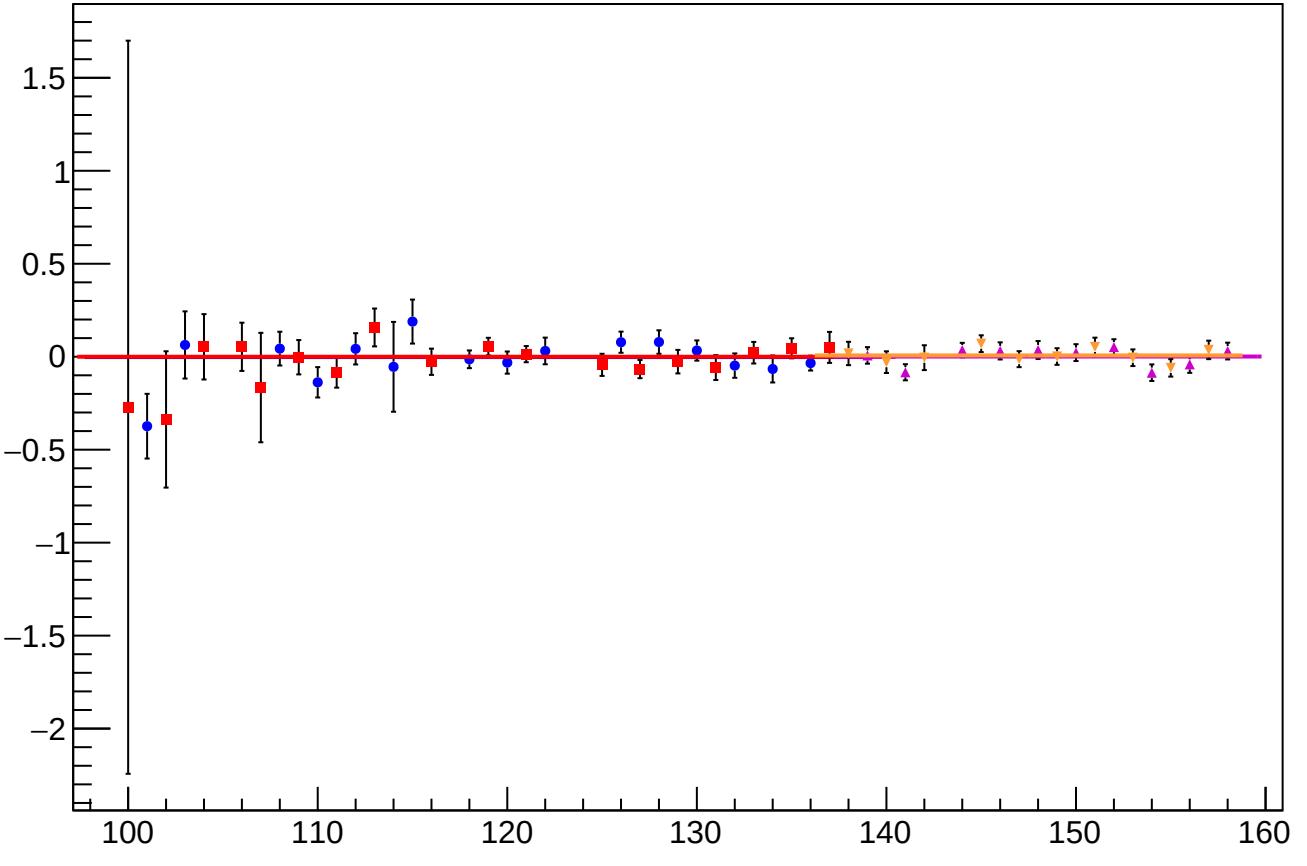
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.118+/-0.008 χ^2/NDF:1503780.1/25

Out: 39.032+/-0.008 χ^2/NDF:2067261.8/27

All: 39.077+/-0.006 χ^2/NDF: 3571102.2/53

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.014 χ^2/NDF:12.3/9

Left: 0.004+/-0.010 χ^2/NDF: 18.4/19

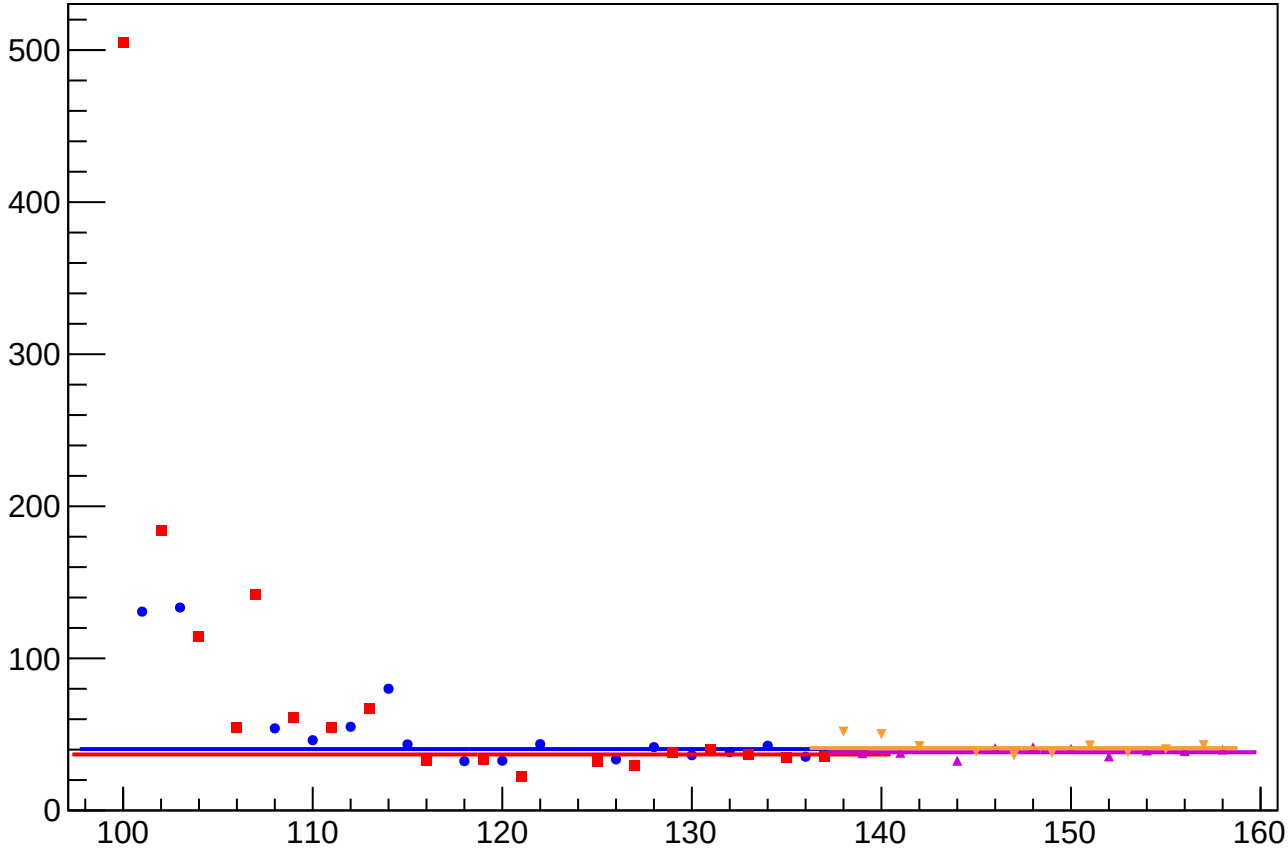
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/25

Out: 0.004+/-0.011 χ^2/NDF:17.0/27

All: 0.002+/-0.008 χ^2/NDF: 46.5/53

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: 40.989+/-0.011 χ^2/NDF:163936.3/9

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.291+/-0.010 χ^2/NDF:76309.3/9

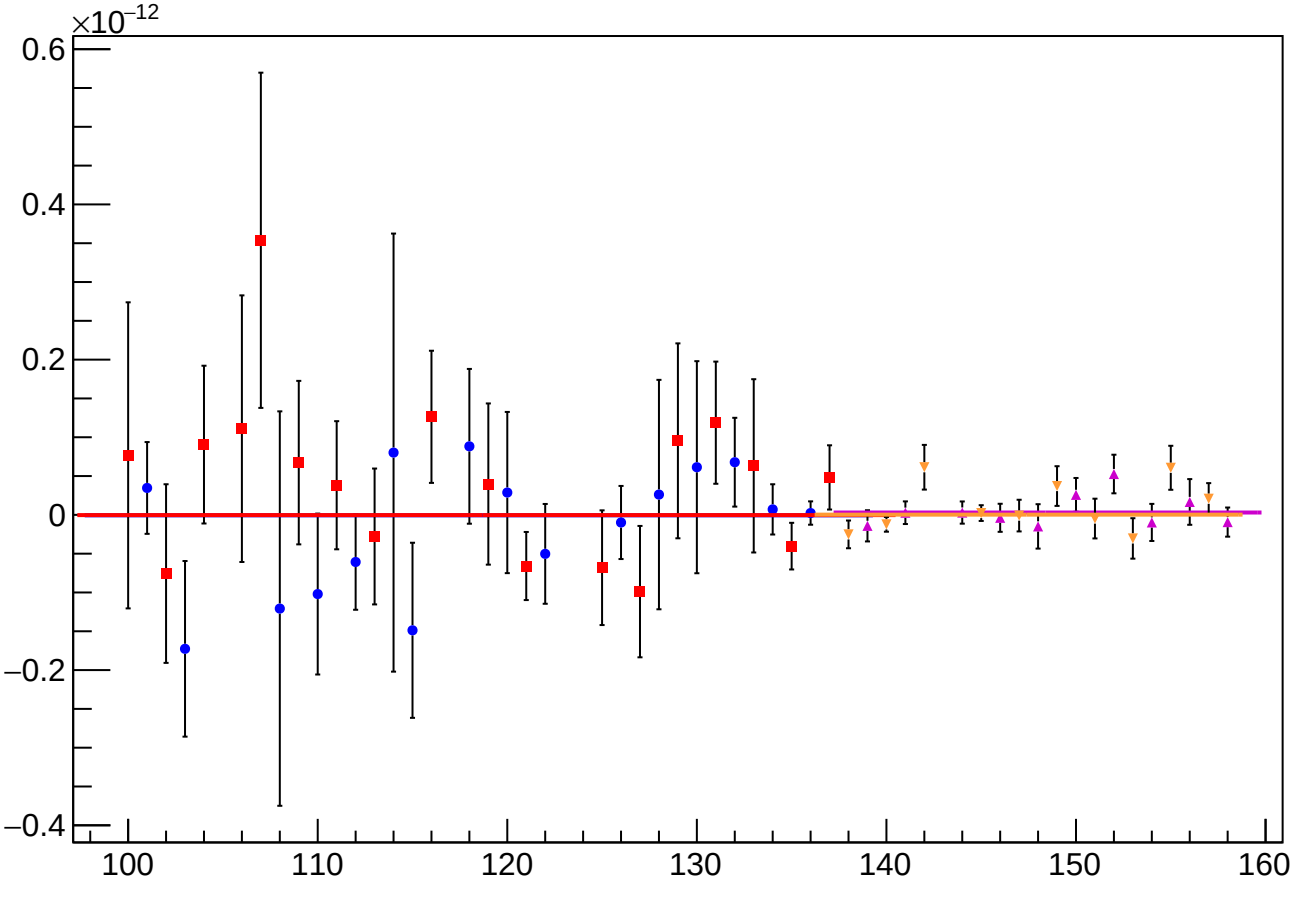
Left: 39.485+/-0.007 χ^2/NDF: 273191.7/19

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.118+/-0.008 χ^2/NDF:1503780.1/25

Out: 39.032+/-0.008 χ^2/NDF:2067261.8/27

All: 39.077+/-0.006 χ^2/NDF: 3571102.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/9

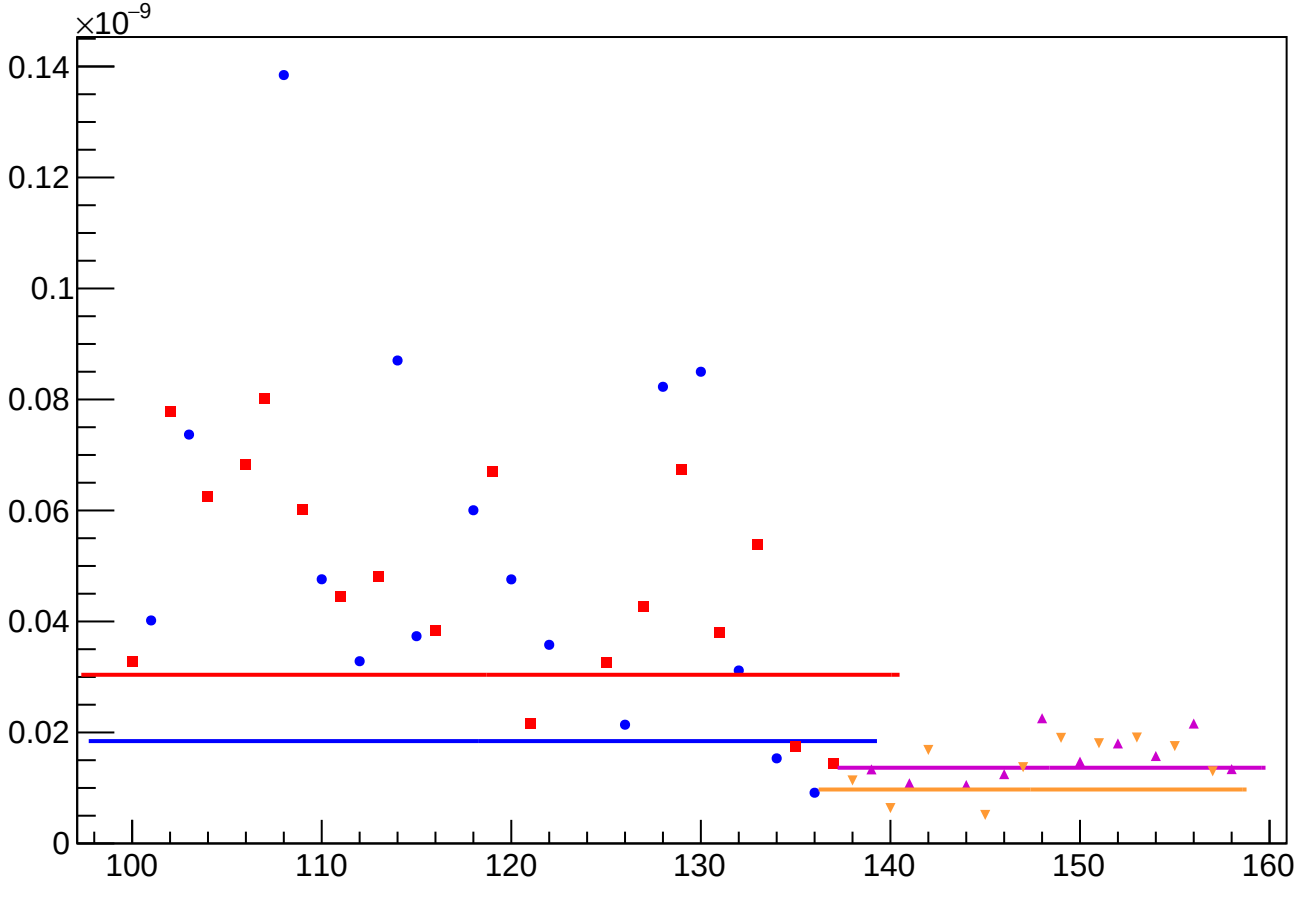
Left: 0.000+/-0.000 χ^2/NDF: 24.8/19

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: 0.000+/-0.000 χ^2/NDF:17.2/25

Out: 0.000+/-0.000 χ^2/NDF:35.7/27

All: 0.000+/-0.000 χ^2/NDF: 53.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1815723.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:600447.2/9

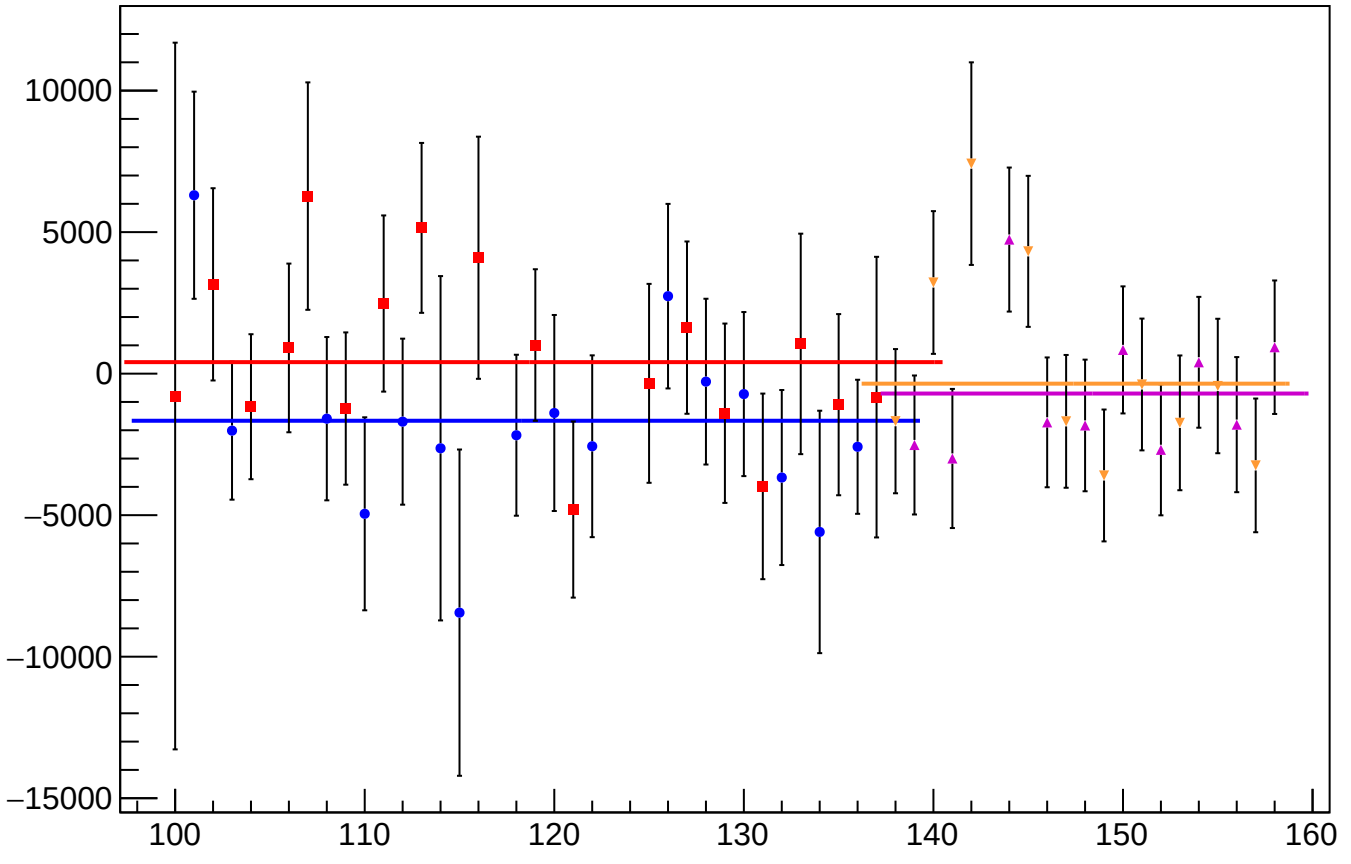
Left: 0.000+/-0.000 χ^2/NDF: 2877594.6/19

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4891063.1/25

Out: 0.000+/-0.000 χ^2/NDF:7062331.3/27

All: 0.000+/-0.000 χ^2/NDF: 12294635.7/53



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -353.842+/-787.266 χ^2/NDF:14.2/9

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -702.804+/-747.740 χ^2/NDF:8.6/9

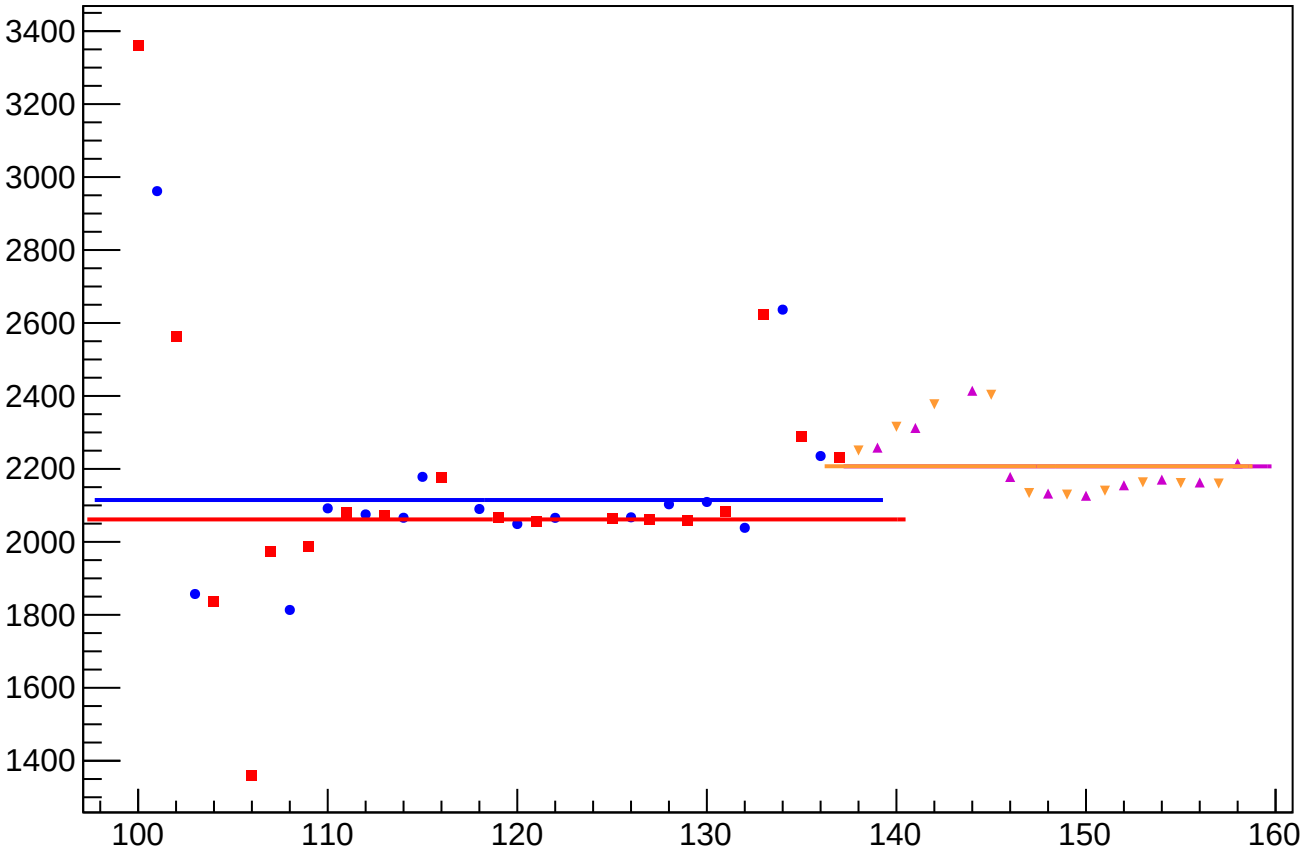
Left: -537.303+/-542.167 χ^2/NDF: 22.8/19

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1155.840+/-543.759 χ^2/NDF:20.1/25

Out: 31.417+/-553.073 χ^2/NDF:27.4/27

All: -572.292+/-387.747 χ^2/NDF: 49.8/53



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2207.290+/-0.557 χ^2/NDF:27636.0/9

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

Left: 2207.141+/-0.383 χ^2/NDF: 52607.9/19

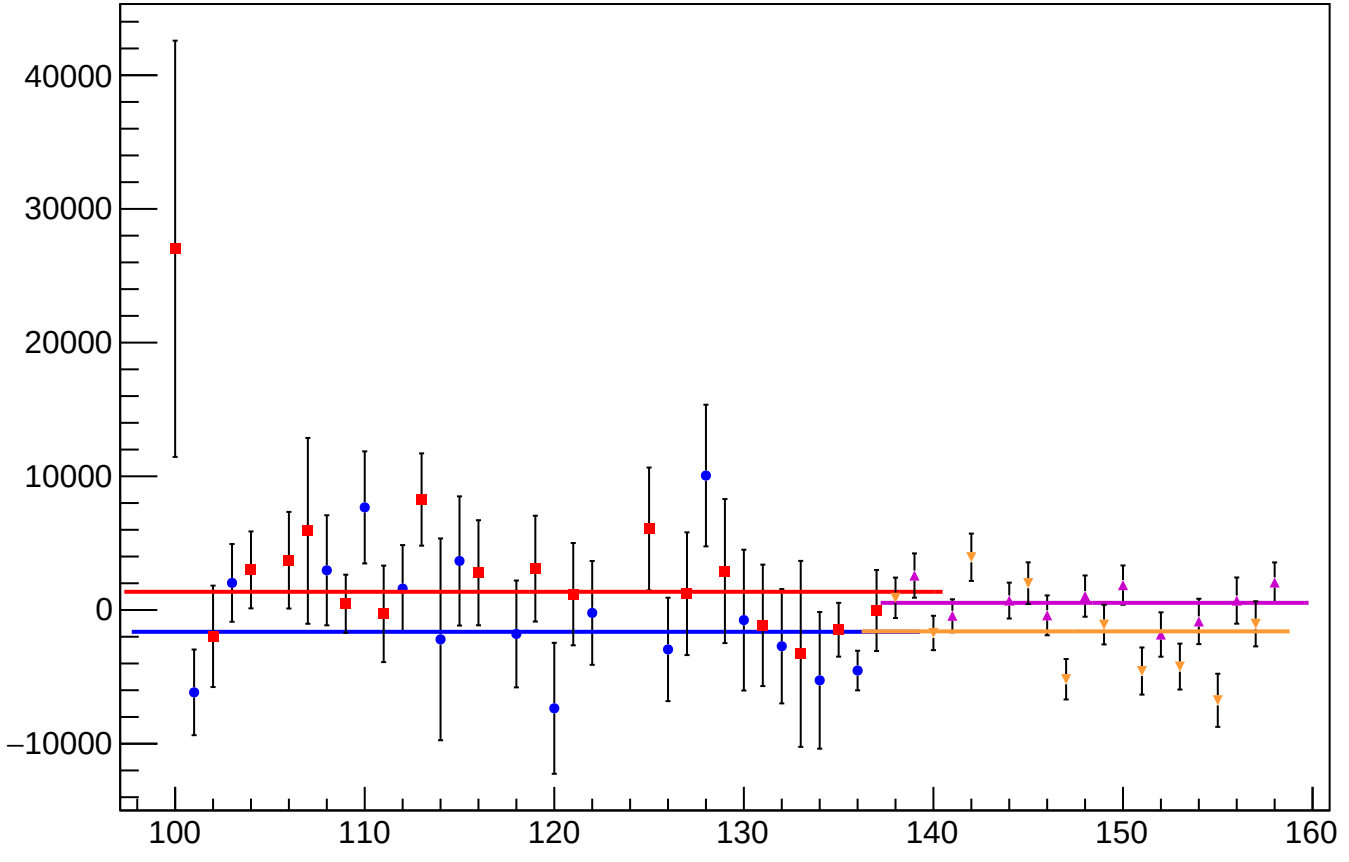
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2163.540+/-0.384 χ^2/NDF:229236.2/25

Out: 2133.483+/-0.391 χ^2/NDF:311531.0/27

All: 2148.767+/-0.274 χ^2/NDF: 543770.8/53

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1598.667+/-504.258 χ^2/NDF:35.7/9

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 535.738+/-476.703 χ^2/NDF:7.2/9

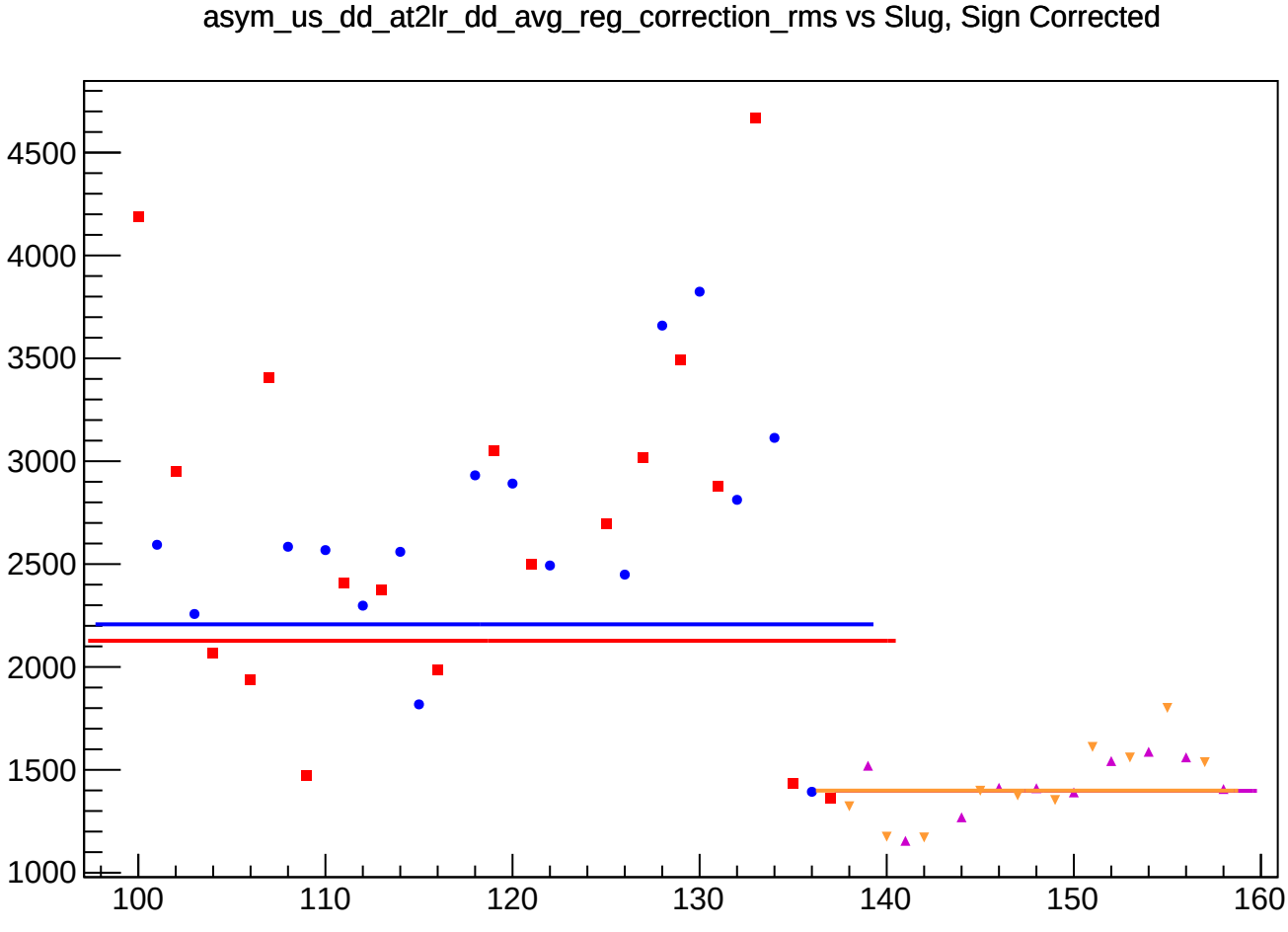
Left: -471.558+/-346.412 χ^2/NDF: 52.4/19

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 28.777+/-417.209 χ^2/NDF:34.9/25

Out: -814.986+/-432.396 χ^2/NDF:58.3/27

All: -378.027+/-300.237 χ^2/NDF: 95.1/53



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1399.019+/-0.357 χ^2/NDF:243109.5/9

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1397.928+/-0.337 χ^2/NDF:165257.8/9

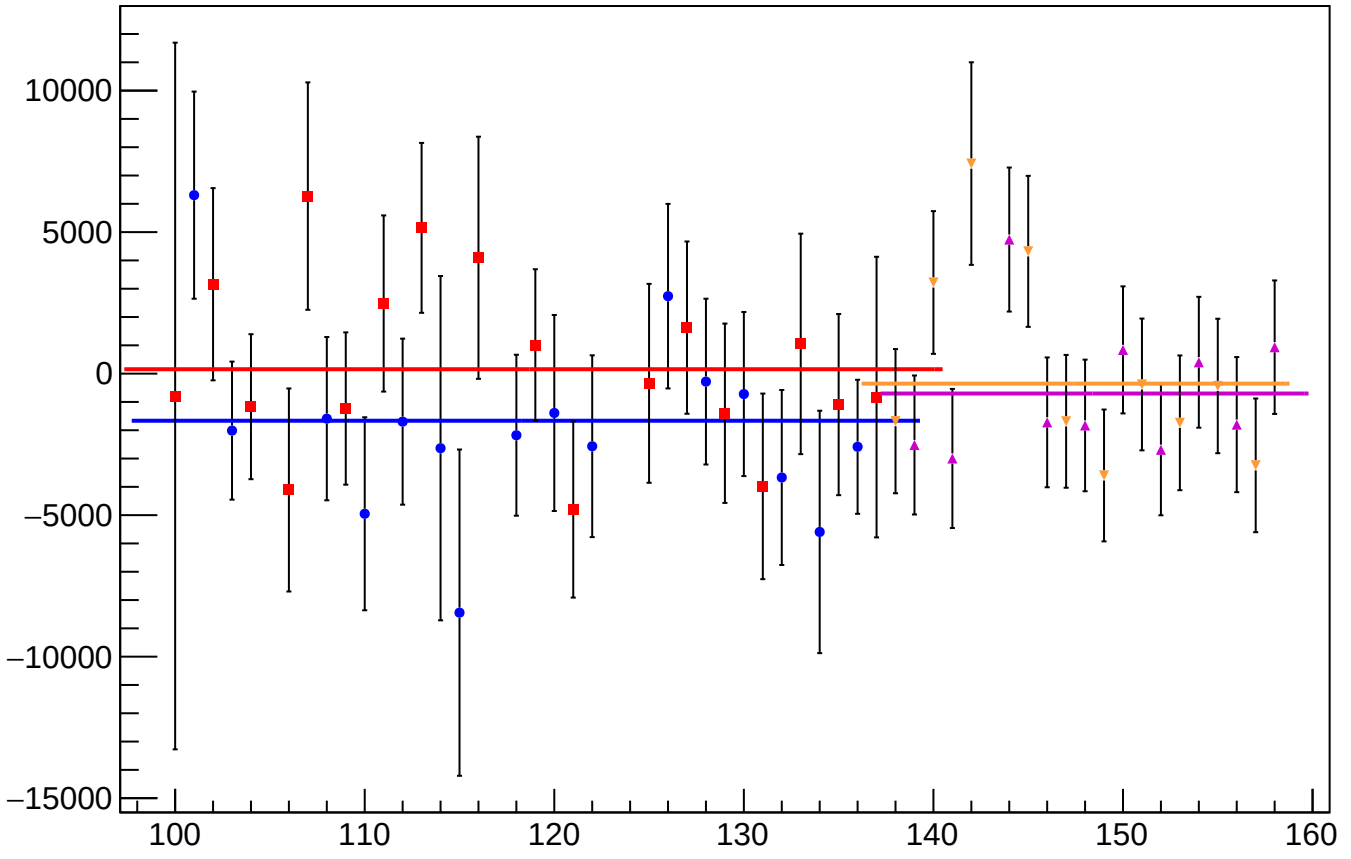
Left: 1398.443+/-0.245 χ^2/NDF: 408372.2/19

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1587.335+/-0.295 χ^2/NDF:2763654.8/25

Out: 1591.784+/-0.306 χ^2/NDF:2805246.8/27

All: 1589.480+/-0.212 χ^2/NDF: 5569011.3/53



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -353.588+/-787.266 χ^2/NDF:14.2/9

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -702.725+/-747.740 χ^2/NDF:8.6/9

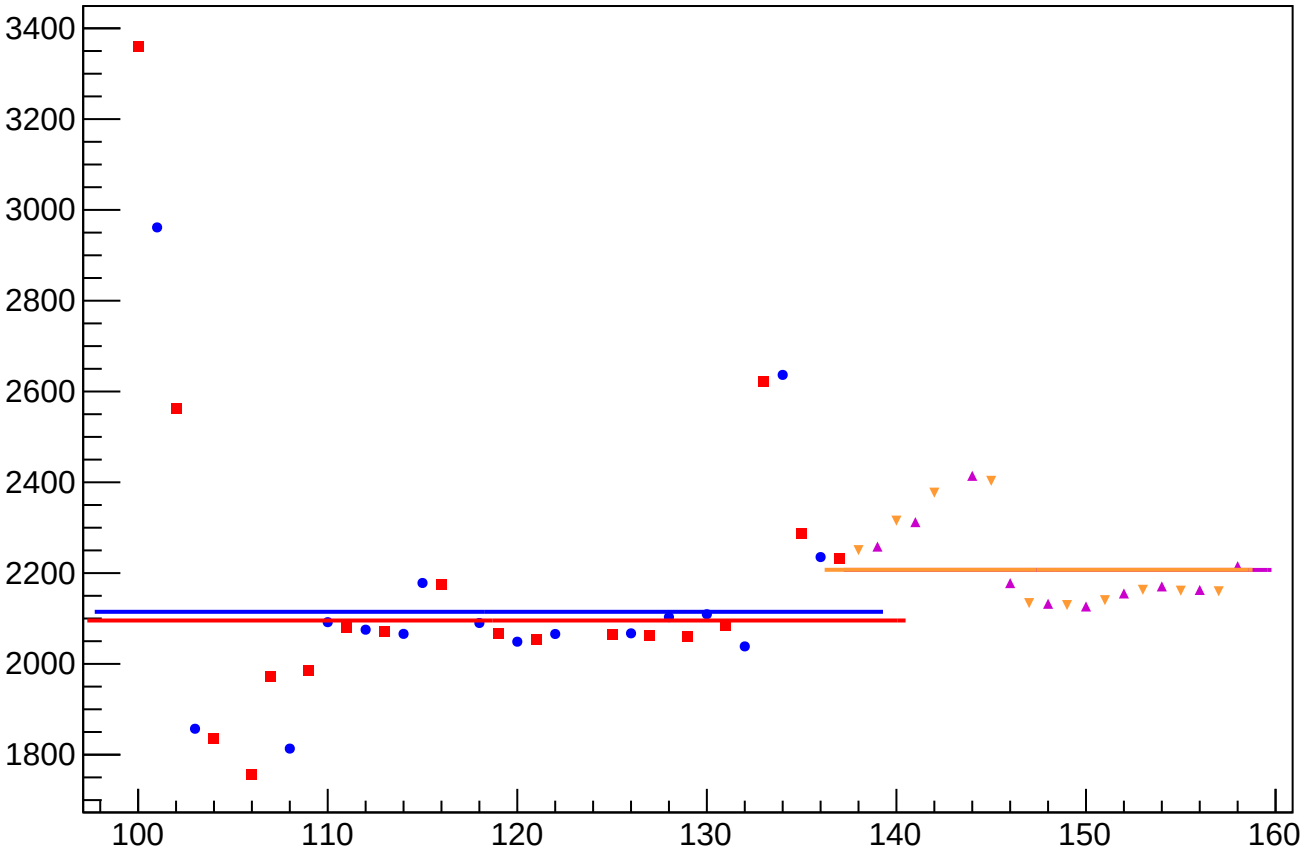
Left: -537.140+/-542.167 χ^2/NDF: 22.8/19

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1155.763+/-543.759 χ^2/NDF:20.1/25

Out: -98.328+/-556.049 χ^2/NDF:28.6/27

All: -638.861+/-388.768 χ^2/NDF: 50.5/53



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2207.290+/-0.557 χ^2/NDF:27636.0/9

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

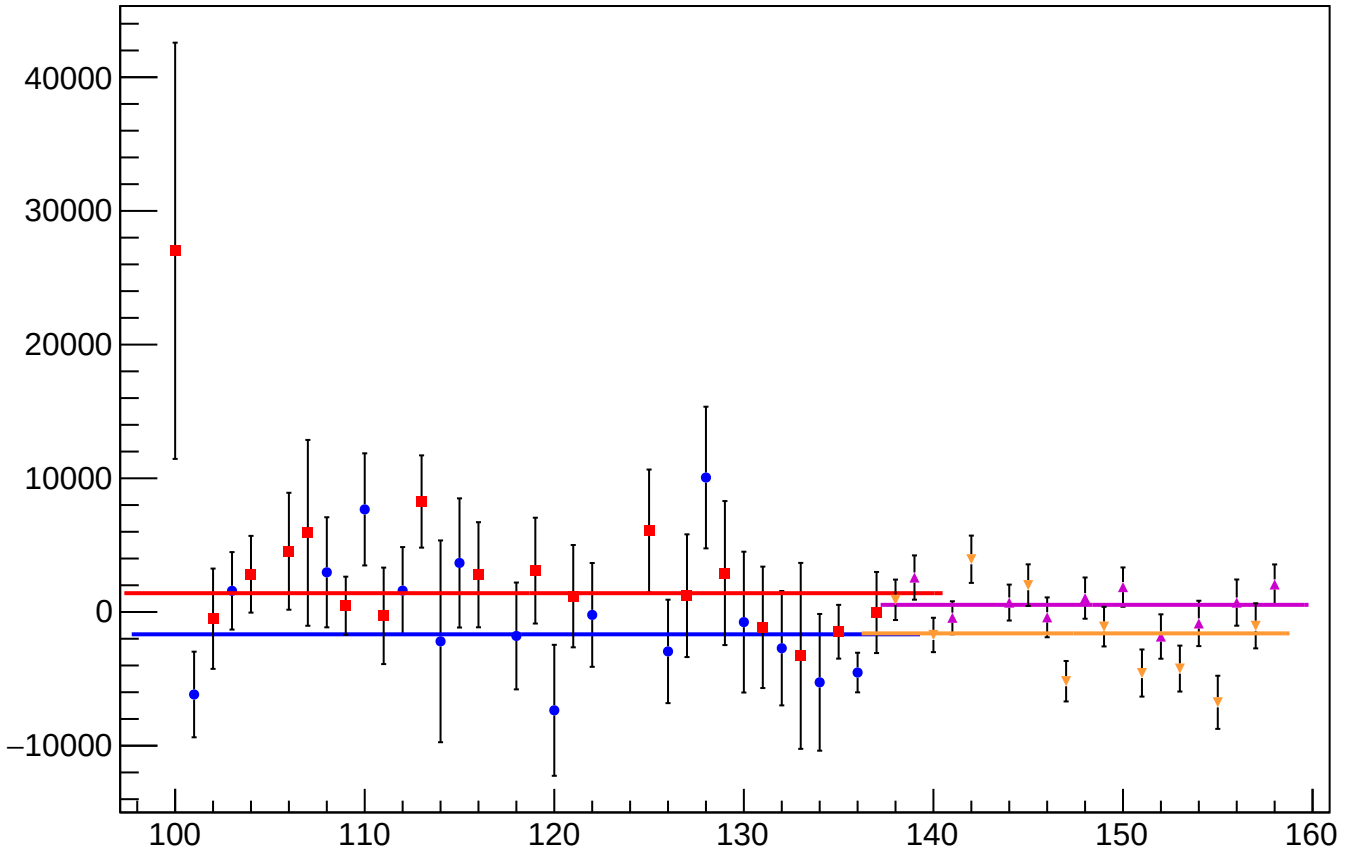
Left: 2207.141+/-0.383 χ^2/NDF: 52607.9/19

Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2163.540+/-0.384 χ^2/NDF:229236.6/25

Out: 2151.316+/-0.393 χ^2/NDF:197170.8/27

All: 2157.565+/-0.275 χ^2/NDF: 426901.4/53



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1598.629+/-504.261 χ^2/NDF:35.7/9

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 535.673+/-476.703 χ^2/NDF:7.2/9

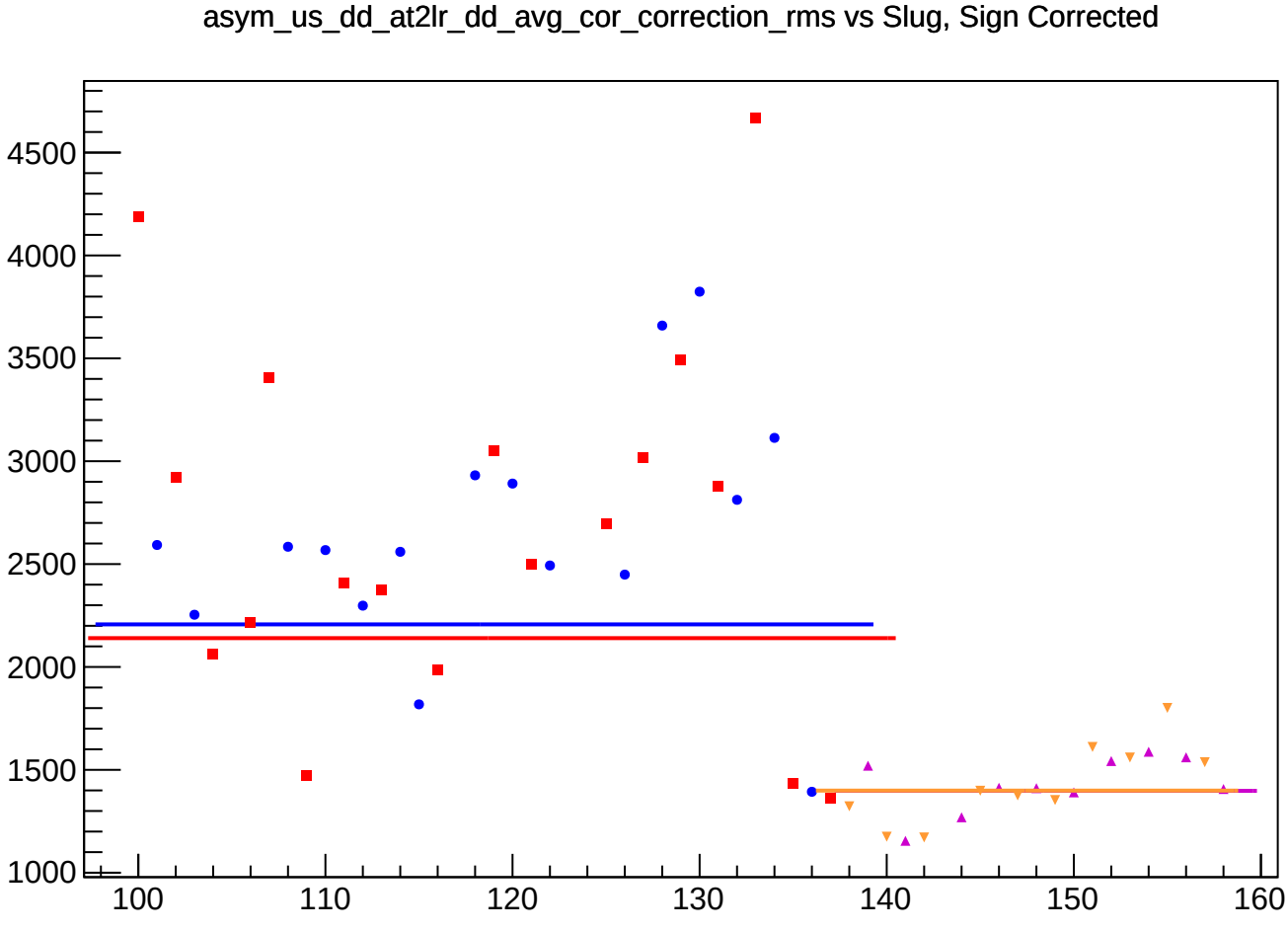
Left: -471.567+/-346.413 χ^2/NDF: 52.4/19

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 19.566+/-417.176 χ^2/NDF:34.7/25

Out: -811.930+/-433.296 χ^2/NDF:58.0/27

All: -380.428+/-300.525 χ^2/NDF: 94.6/53



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1399.031+/-0.357 χ^2/NDF:243053.2/9

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1397.926+/-0.337 χ^2/NDF:165296.4/9

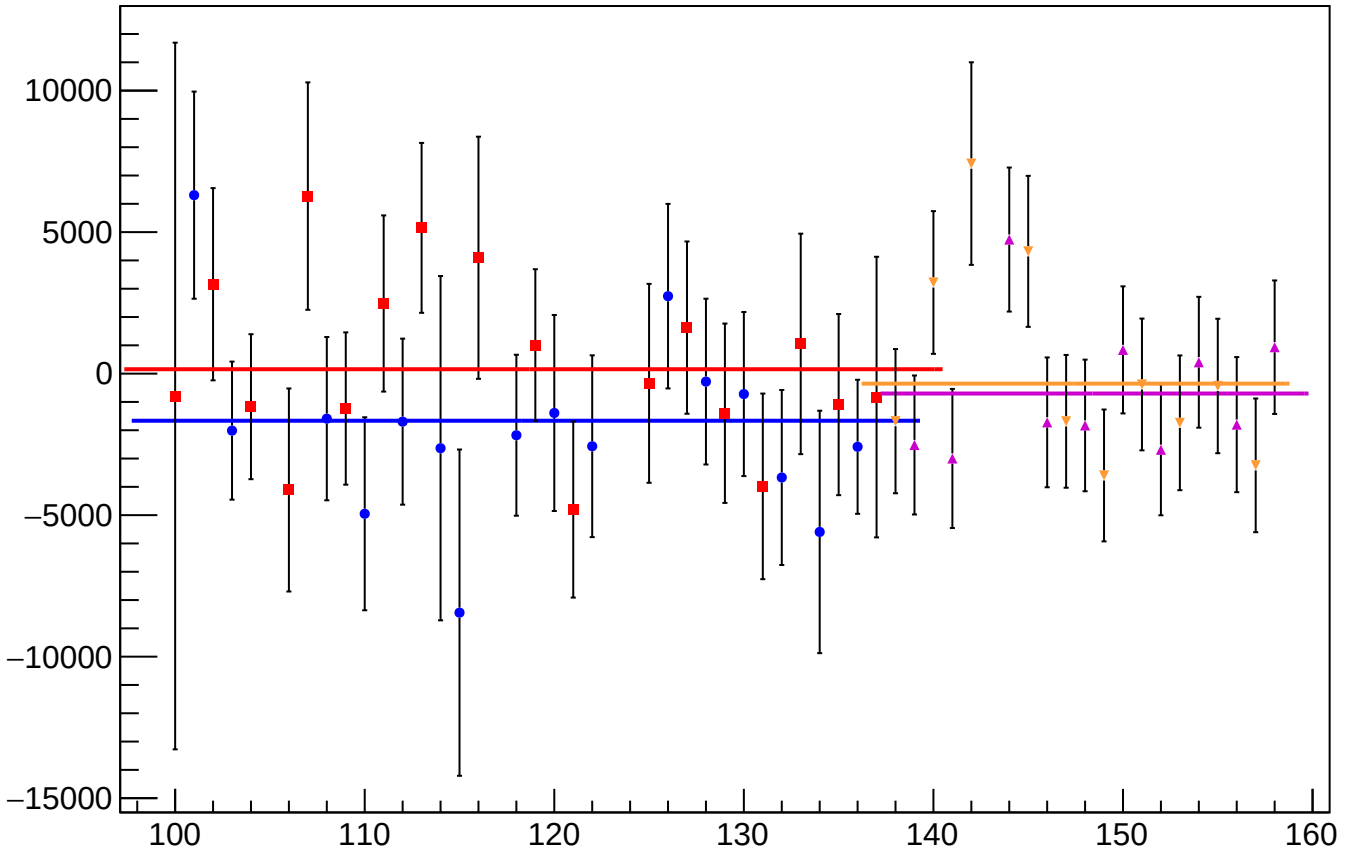
Left: 1398.448+/-0.245 χ^2/NDF: 408354.6/19

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1587.353+/-0.295 χ^2/NDF:2763033.2/25

Out: 1592.927+/-0.306 χ^2/NDF:2821531.1/27

All: 1590.034+/-0.213 χ^2/NDF: 5584736.0/53



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -353.588+/-787.266 χ^2/NDF:14.2/9

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -702.725+/-747.740 χ^2/NDF:8.6/9

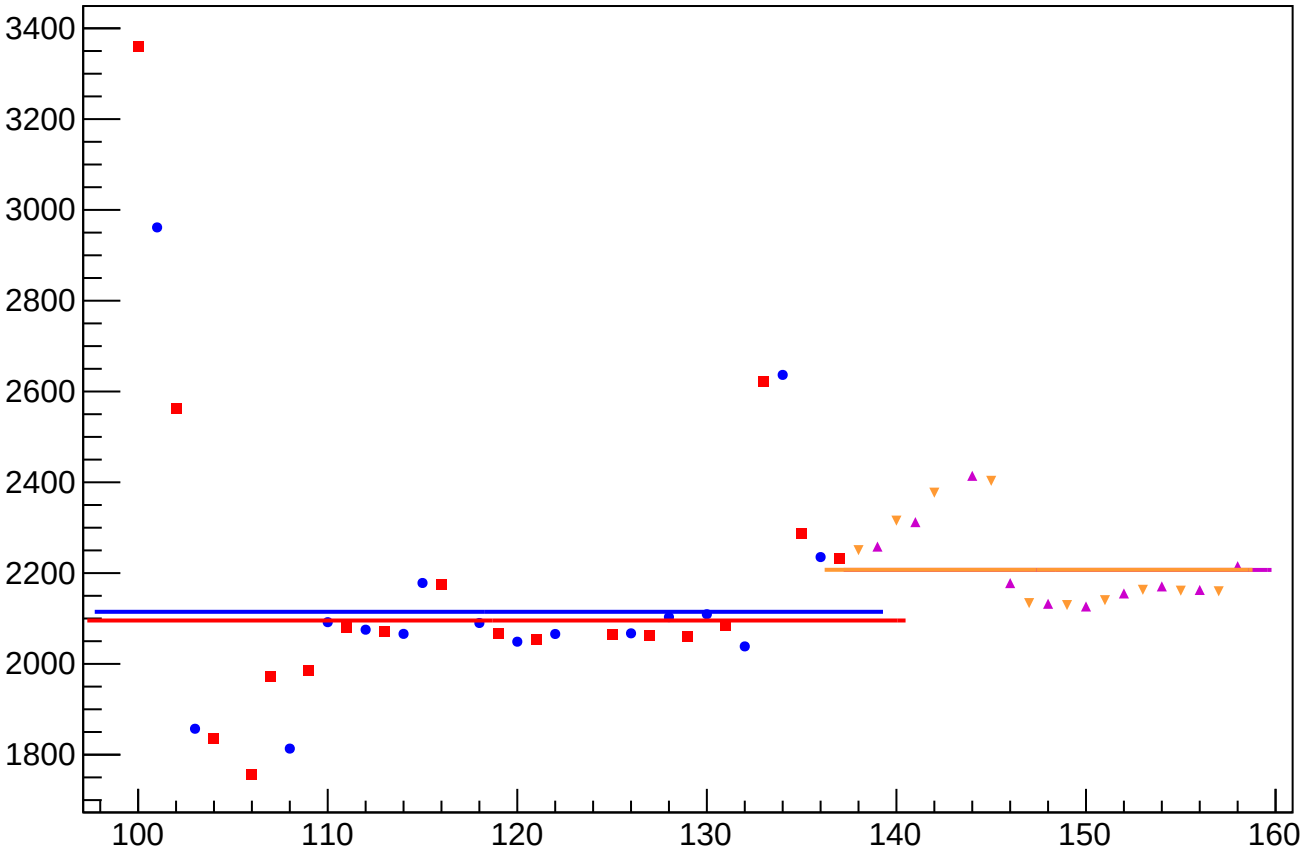
Left: -537.140+/-542.167 χ^2/NDF: 22.8/19

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1155.763+/-543.759 χ^2/NDF:20.1/25

Out: -98.328+/-556.049 χ^2/NDF:28.6/27

All: -638.861+/-388.768 χ^2/NDF: 50.5/53



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2207.290+/-0.557 χ^2/NDF:27636.0/9

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

Left: 2207.141+/-0.383 χ^2/NDF: 52607.9/19

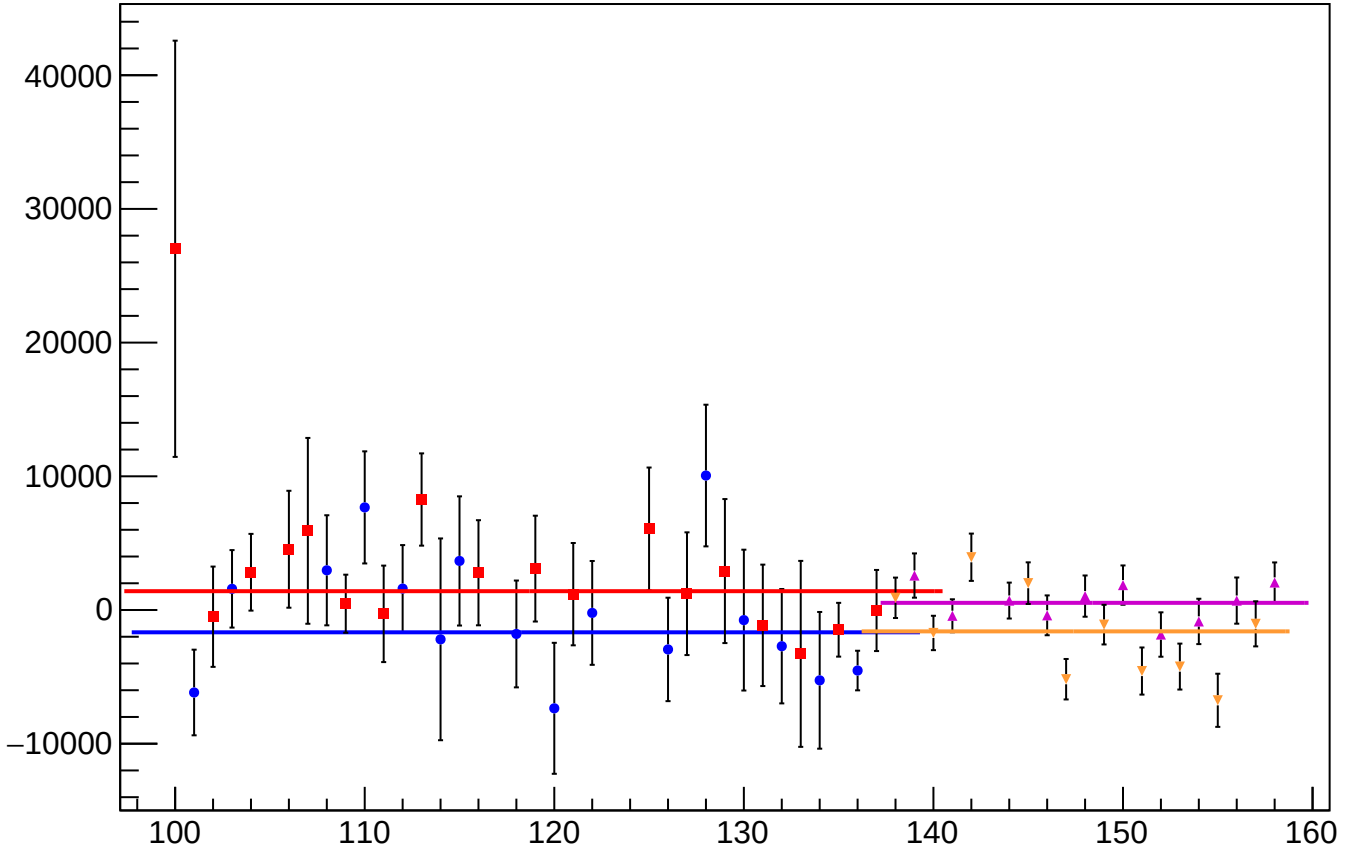
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2163.540+/-0.384 χ^2/NDF:229236.6/25

Out: 2151.316+/-0.393 χ^2/NDF:197170.8/27

All: 2157.565+/-0.275 χ^2/NDF: 426901.4/53

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: -1598.629+/-504.261 χ^2/NDF:35.7/9

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 535.673+/-476.703 χ^2/NDF:7.2/9

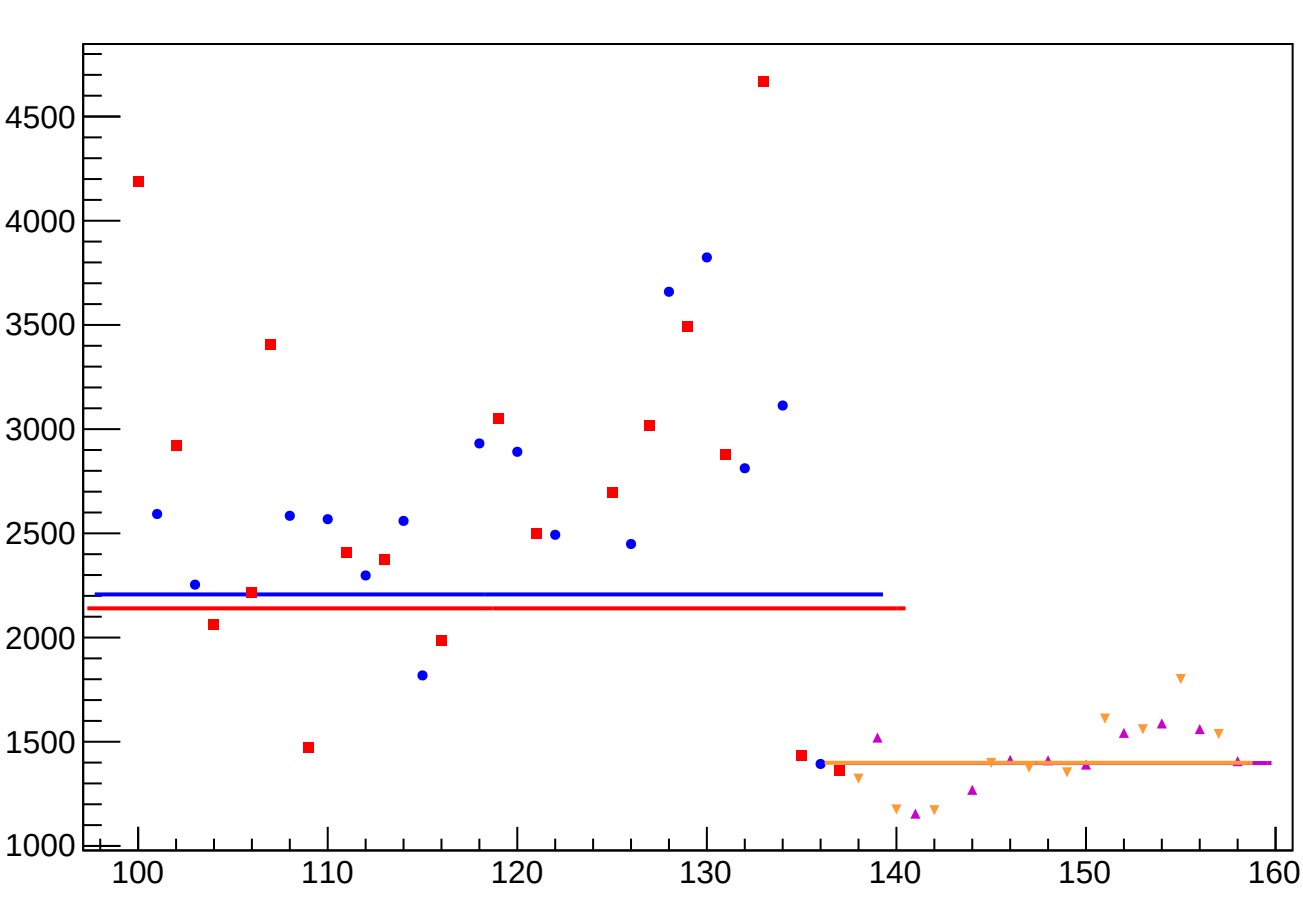
Left: -471.567+/-346.413 χ^2/NDF: 52.4/19

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 19.566+/-417.176 χ^2/NDF:34.7/25

Out: -811.930+/-433.296 χ^2/NDF:58.0/27

All: -380.428+/-300.525 χ^2/NDF: 94.6/53



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1399.031+/-0.357 χ^2/NDF:243053.2/9

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1397.926+/-0.337 χ^2/NDF:165296.4/9

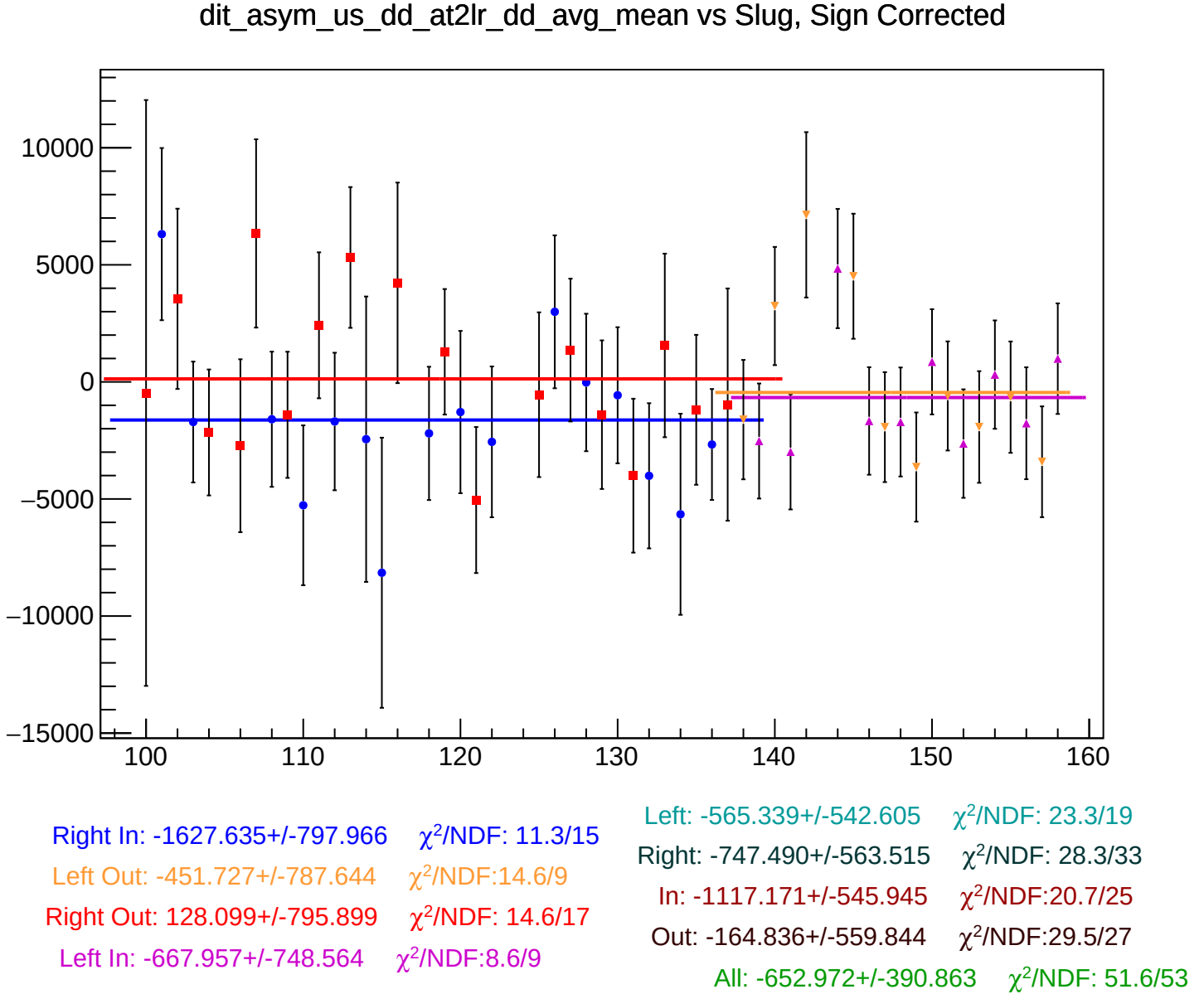
Left: 1398.448+/-0.245 χ^2/NDF: 408354.6/19

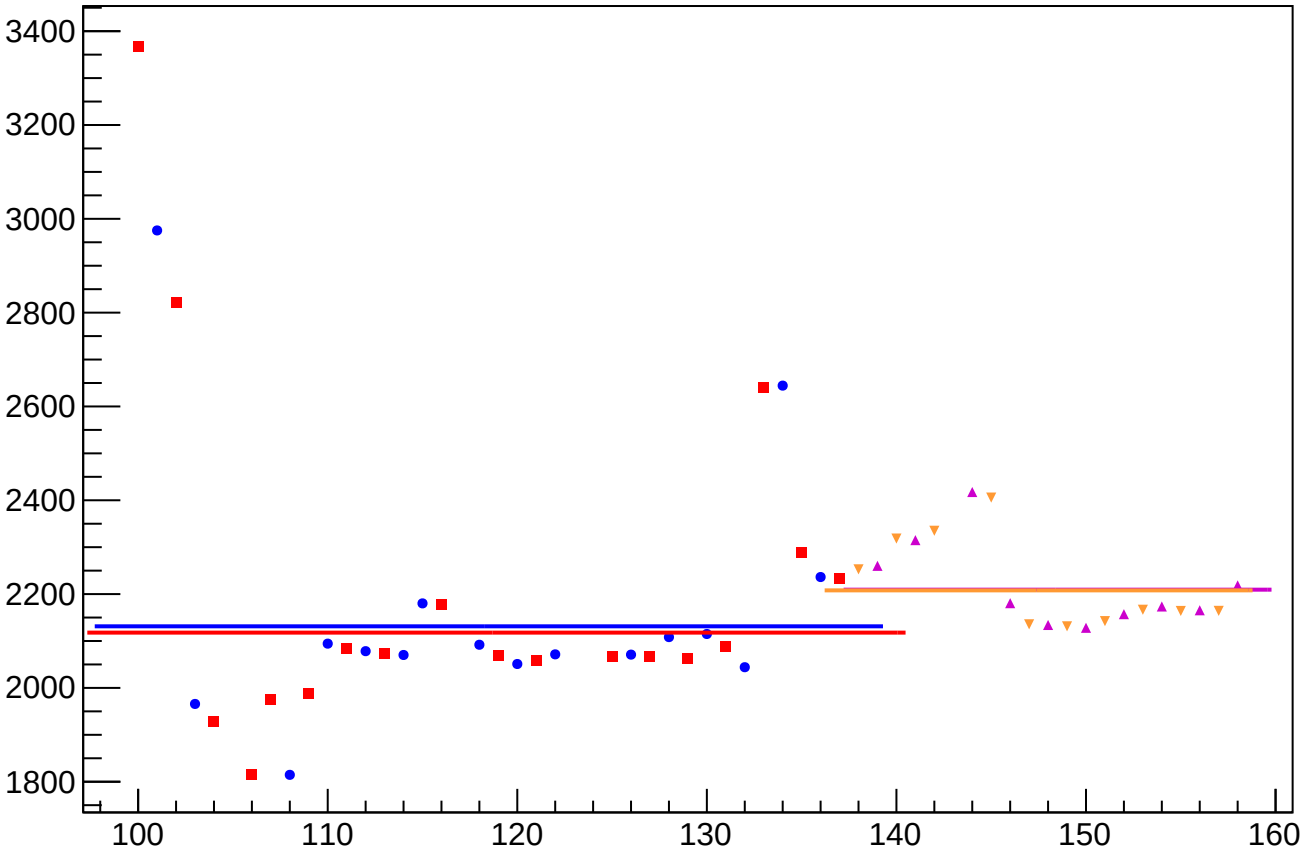
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1587.353+/-0.295 χ^2/NDF:2763033.2/25

Out: 1592.927+/-0.306 χ^2/NDF:2821531.1/27

All: 1590.034+/-0.213 χ^2/NDF: 5584736.0/53


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -451.727+/-787.644 χ²/NDF:14.6/9
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -667.957+/-748.564 χ²/NDF:8.6/9
Left: -565.339+/-542.605 χ²/NDF: 23.3/19
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -1117.171+/-545.945 χ²/NDF:20.7/25
Out: -164.836+/-559.844 χ²/NDF:29.5/27
All: -652.972+/-390.863 χ²/NDF: 51.6/53



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2207.932+/-0.557 χ^2/NDF:25615.0/9

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2209.424+/-0.529 χ^2/NDF:25114.6/9

Left: 2208.716+/-0.384 χ^2/NDF: 50733.4/19

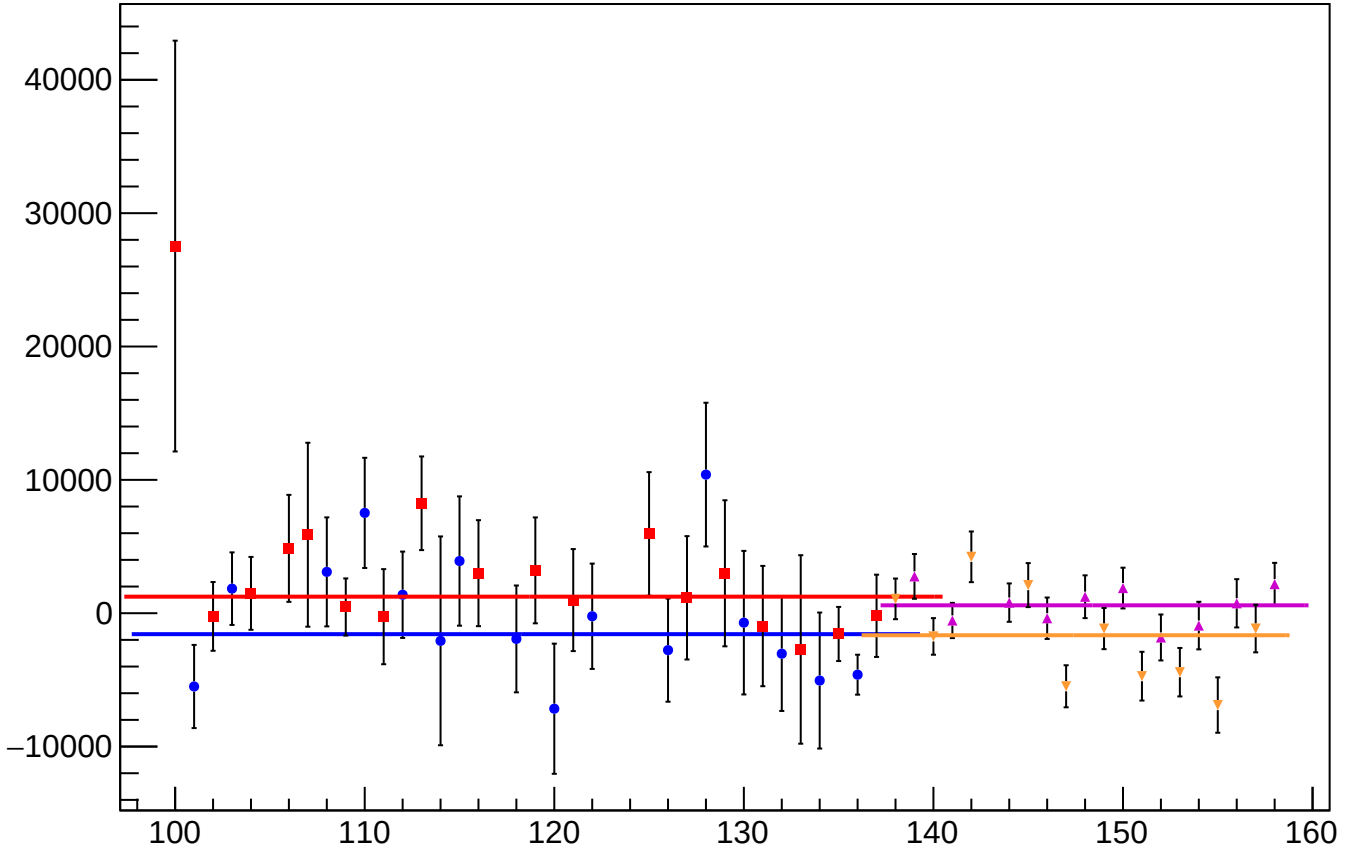
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2172.854+/-0.386 χ^2/NDF:211255.3/25

Out: 2163.369+/-0.396 χ^2/NDF:202176.5/27

All: 2168.231+/-0.276 χ^2/NDF: 413726.1/53

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: -1652.930+/-528.808 χ^2/NDF:35.6/9

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 591.925+/-500.480 χ^2/NDF:7.4/9

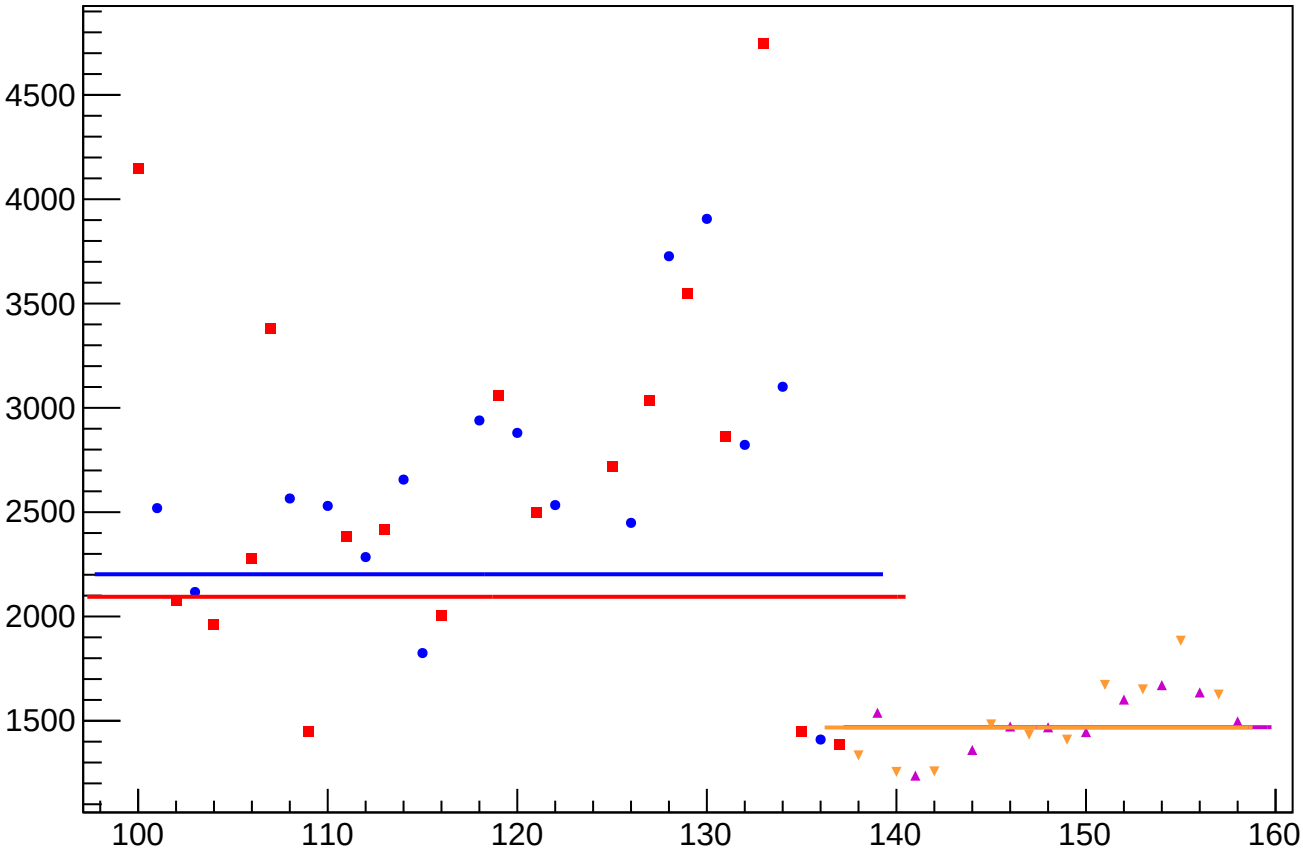
Left: -468.766+/-363.495 χ^2/NDF: 52.4/19

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 44.474+/-432.532 χ^2/NDF:34.7/25

Out: -802.577+/-444.375 χ^2/NDF:57.4/27

All: -367.614+/-309.949 χ^2/NDF: 94.0/53



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1467.942+/-0.374 χ^2/NDF:232891.6/9

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1469.307+/-0.354 χ^2/NDF:132070.5/9

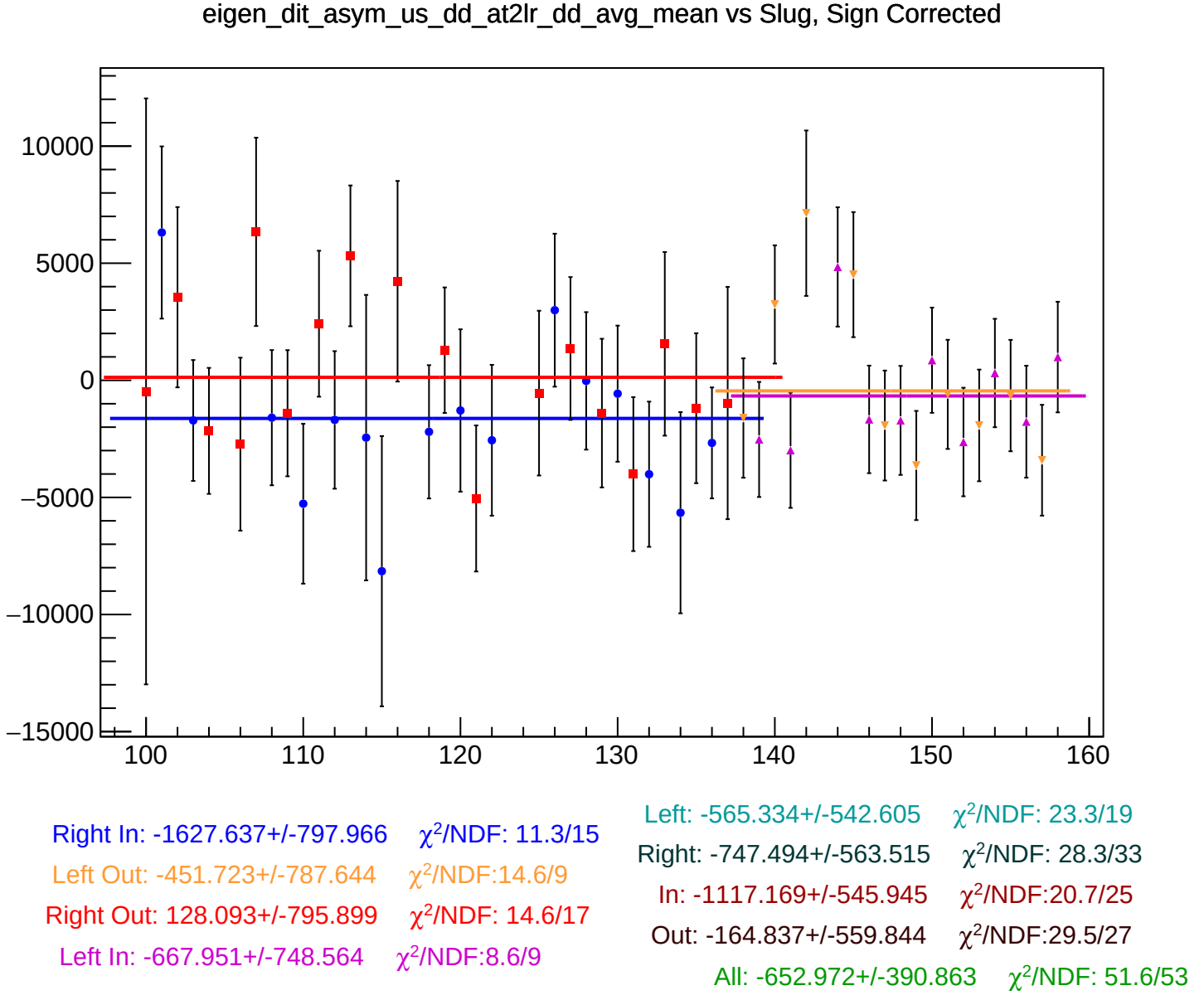
Left: 1468.662+/-0.257 χ^2/NDF: 364969.1/19

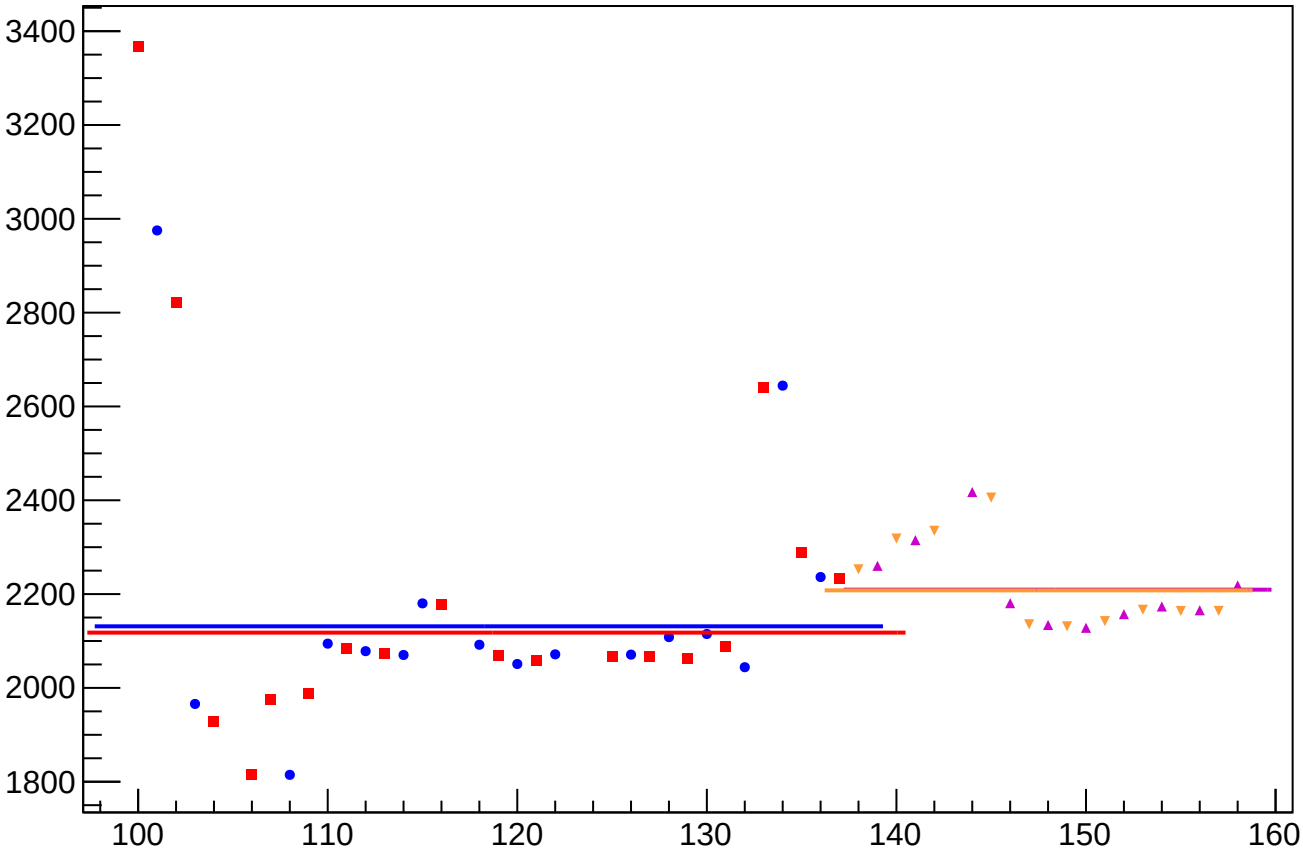
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1654.846+/-0.306 χ^2/NDF:2441057.2/25

Out: 1652.034+/-0.314 χ^2/NDF:2431446.6/27

All: 1653.478+/-0.219 χ^2/NDF: 4872545.0/53


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -451.723+/-787.644 χ²/NDF:14.6/9
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -667.951+/-748.564 χ²/NDF:8.6/9
Left: -565.334+/-542.605 χ²/NDF: 23.3/19
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1117.169+/-545.945 χ²/NDF:20.7/25
Out: -164.837+/-559.844 χ²/NDF:29.5/27
All: -652.972+/-390.863 χ²/NDF: 51.6/53



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2207.932+/-0.557 χ^2/NDF:25615.1/9

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2209.424+/-0.529 χ^2/NDF:25114.7/9

Left: 2208.716+/-0.384 χ^2/NDF: 50733.5/19

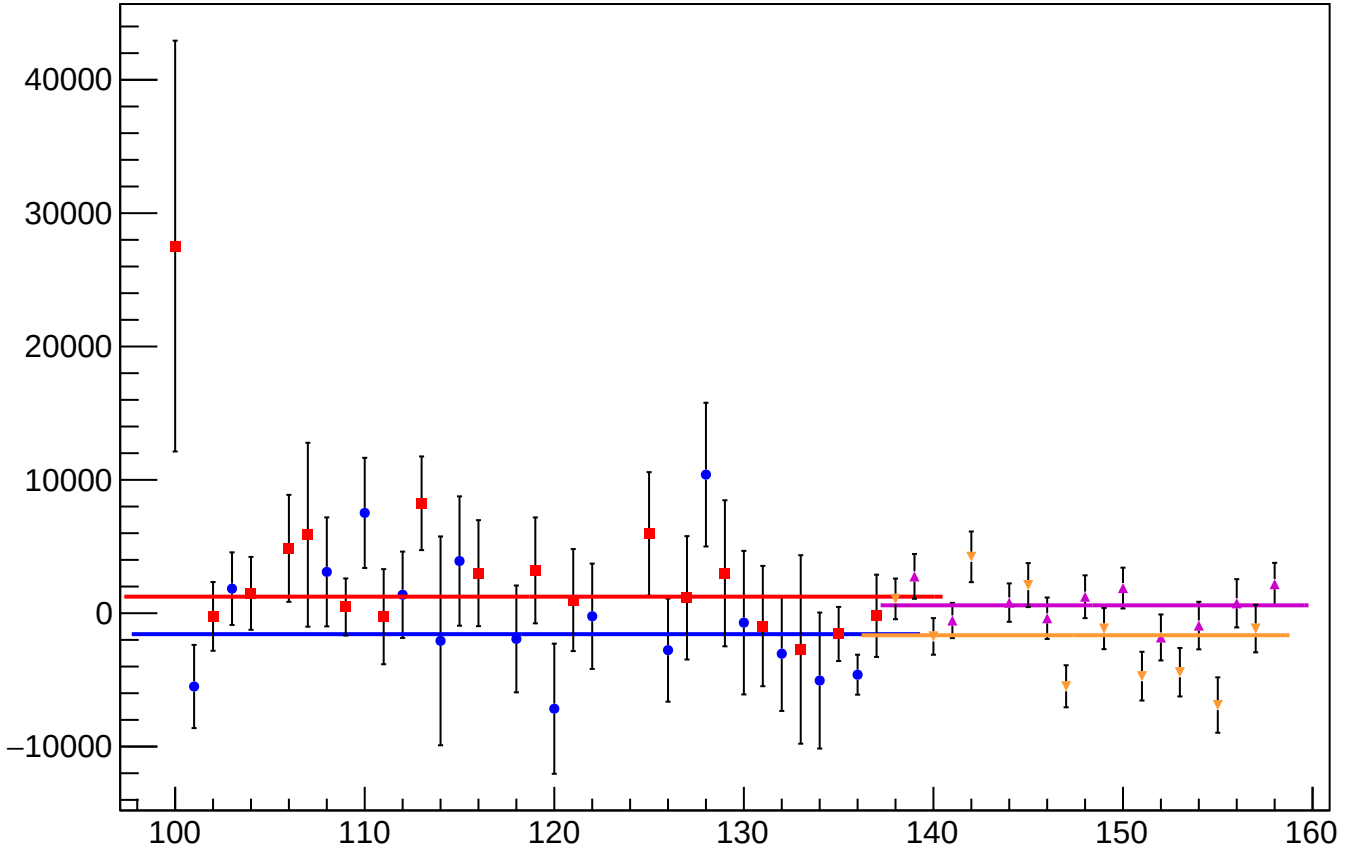
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2172.854+/-0.386 χ^2/NDF:211255.4/25

Out: 2163.369+/-0.396 χ^2/NDF:202176.5/27

All: 2168.231+/-0.276 χ^2/NDF: 413726.2/53

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: -1652.944+/-528.809 χ^2/NDF:35.6/9

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 591.923+/-500.480 χ^2/NDF:7.4/9

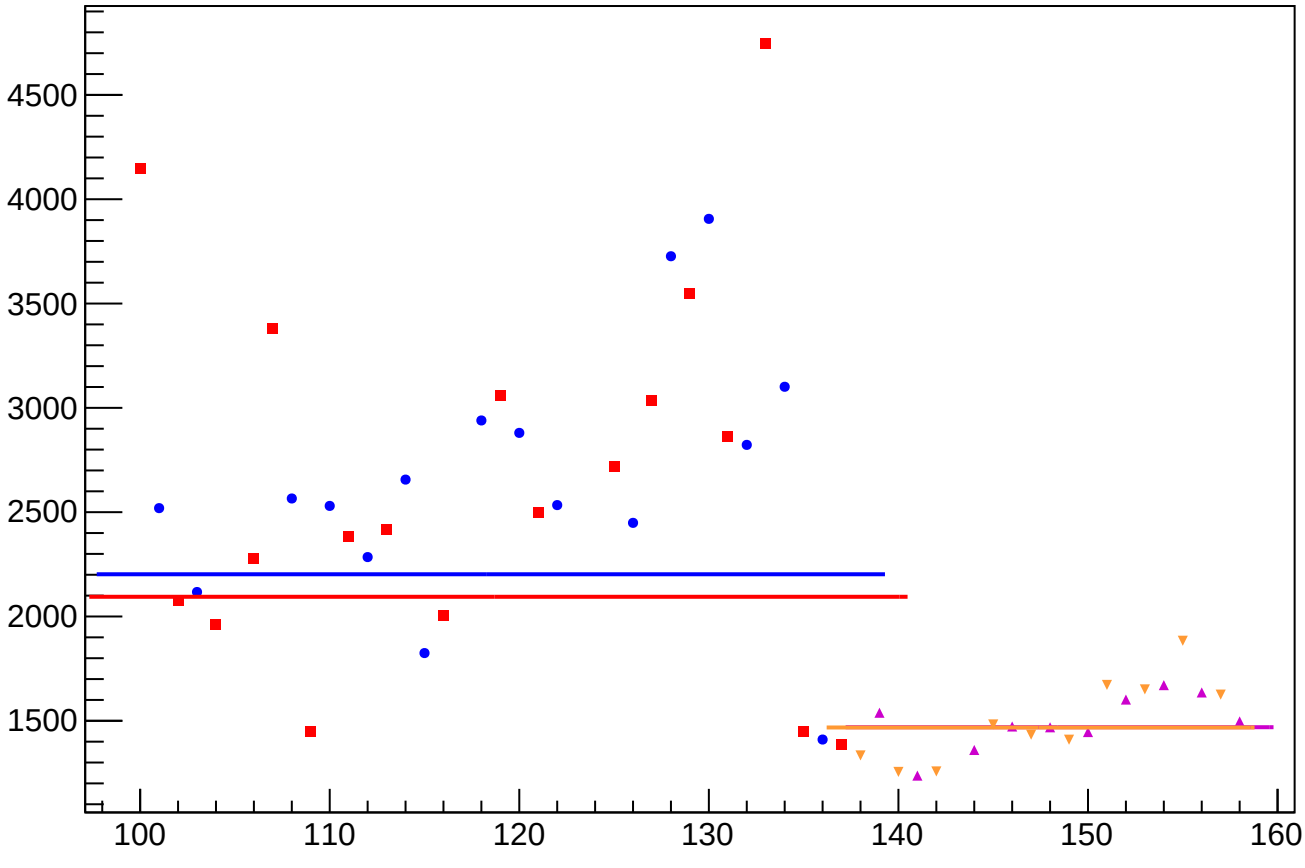
Left: -468.772+/-363.496 χ^2/NDF: 52.4/19

Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 44.478+/-432.533 χ^2/NDF:34.7/25

Out: -802.584+/-444.377 χ^2/NDF:57.4/27

All: -367.614+/-309.949 χ^2/NDF: 94.0/53



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1467.947+/-0.374 χ^2/NDF:232880.0/9

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1469.308+/-0.354 χ^2/NDF:132071.0/9

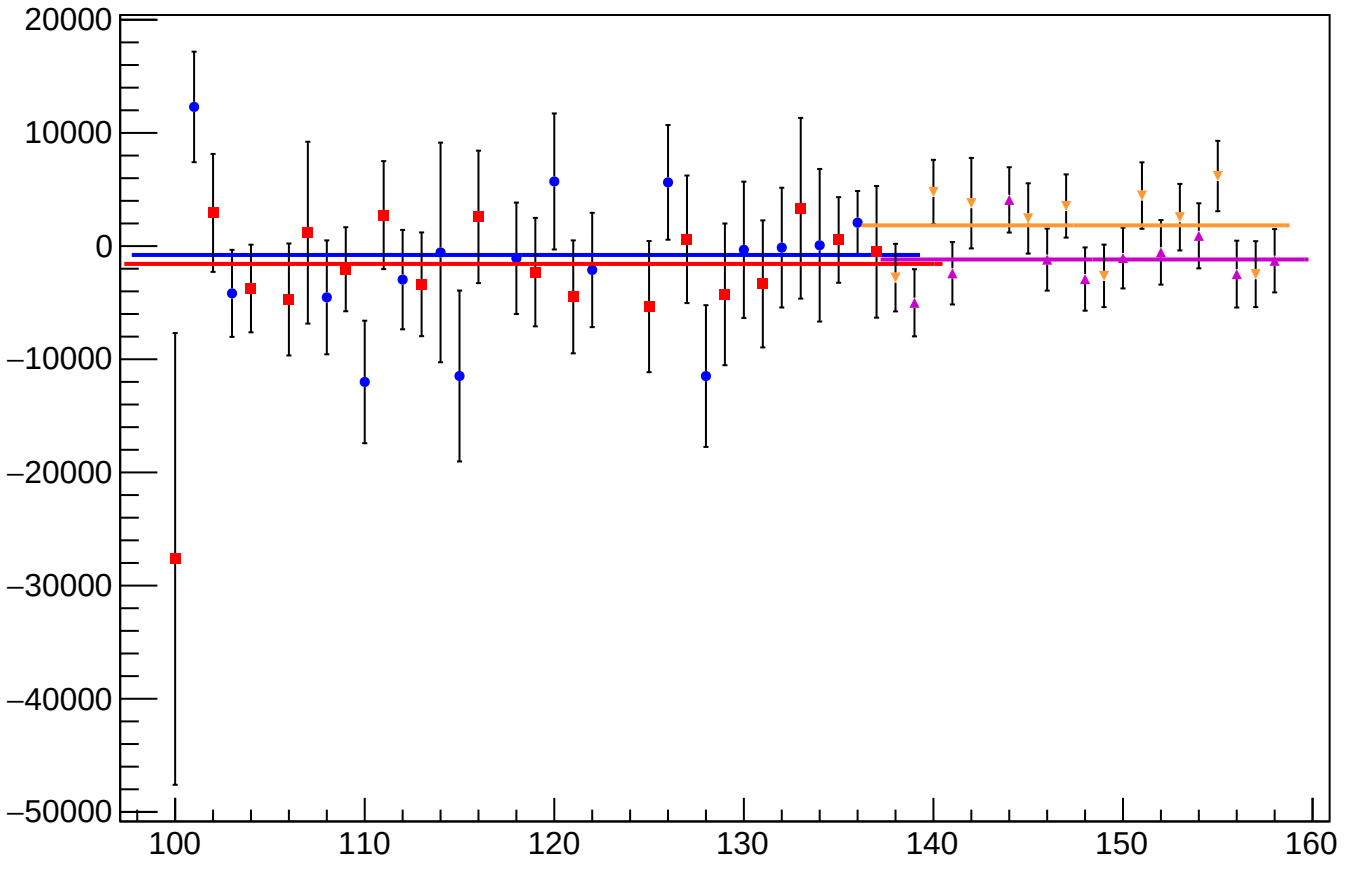
Left: 1468.665+/-0.257 χ^2/NDF: 364958.0/19

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1654.849+/-0.306 χ^2/NDF:2441023.7/25

Out: 1652.040+/-0.314 χ^2/NDF:2431402.6/27

All: 1653.483+/-0.219 χ^2/NDF: 4872467.4/53



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1832.045+/-947.132 χ^2/NDF:11.8/9

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1182.976+/-893.976 χ^2/NDF:6.3/9

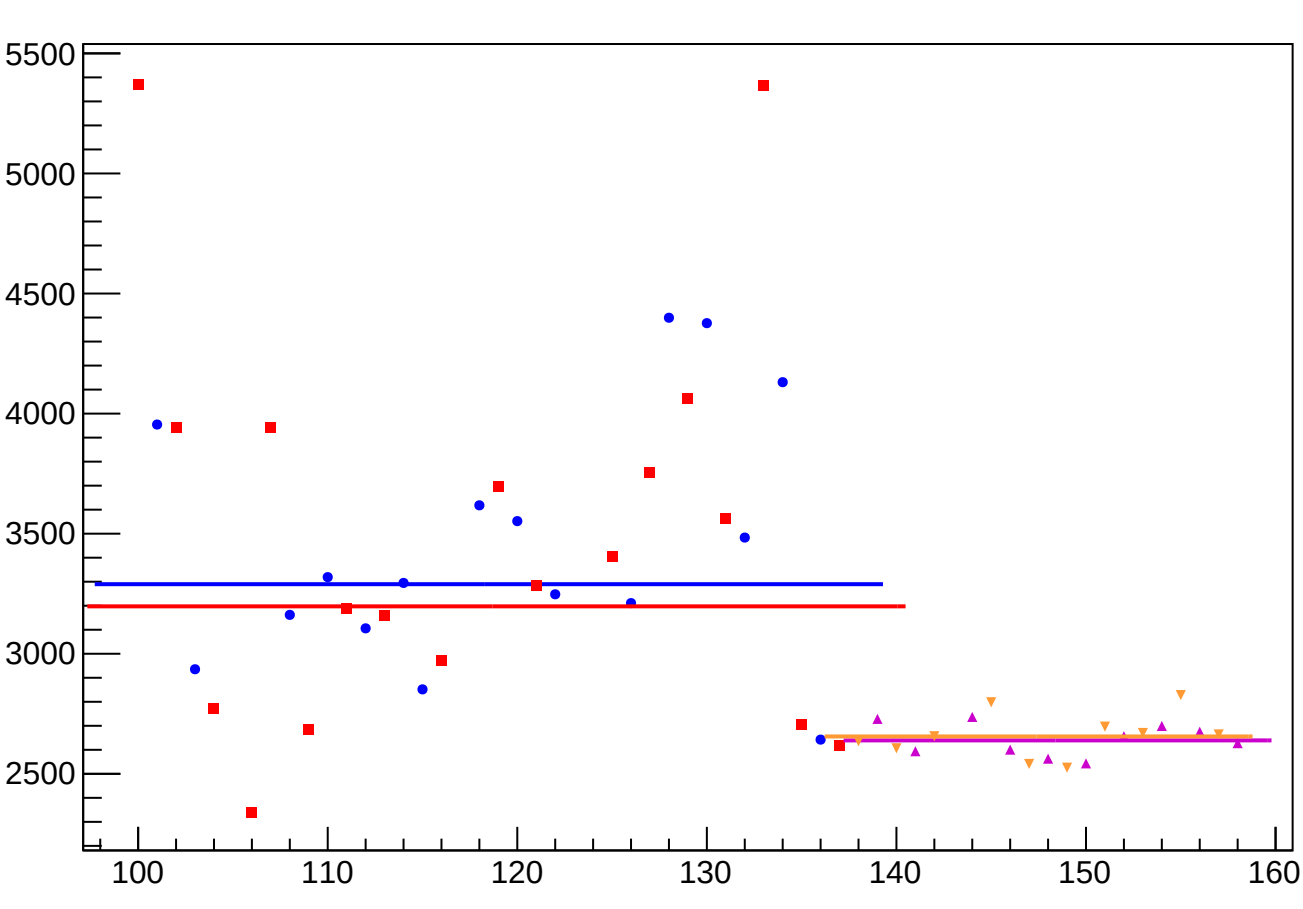
Left: 237.557+/-650.116 χ^2/NDF: 23.5/19

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1045.960+/-725.508 χ^2/NDF:28.3/25

Out: 549.576+/-747.903 χ^2/NDF:23.4/27

All: -272.438+/-520.749 χ^2/NDF: 54.0/53



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2655.620+/-0.670 χ^2/NDF:19268.9/9

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2639.193+/-0.632 χ^2/NDF:10347.0/9

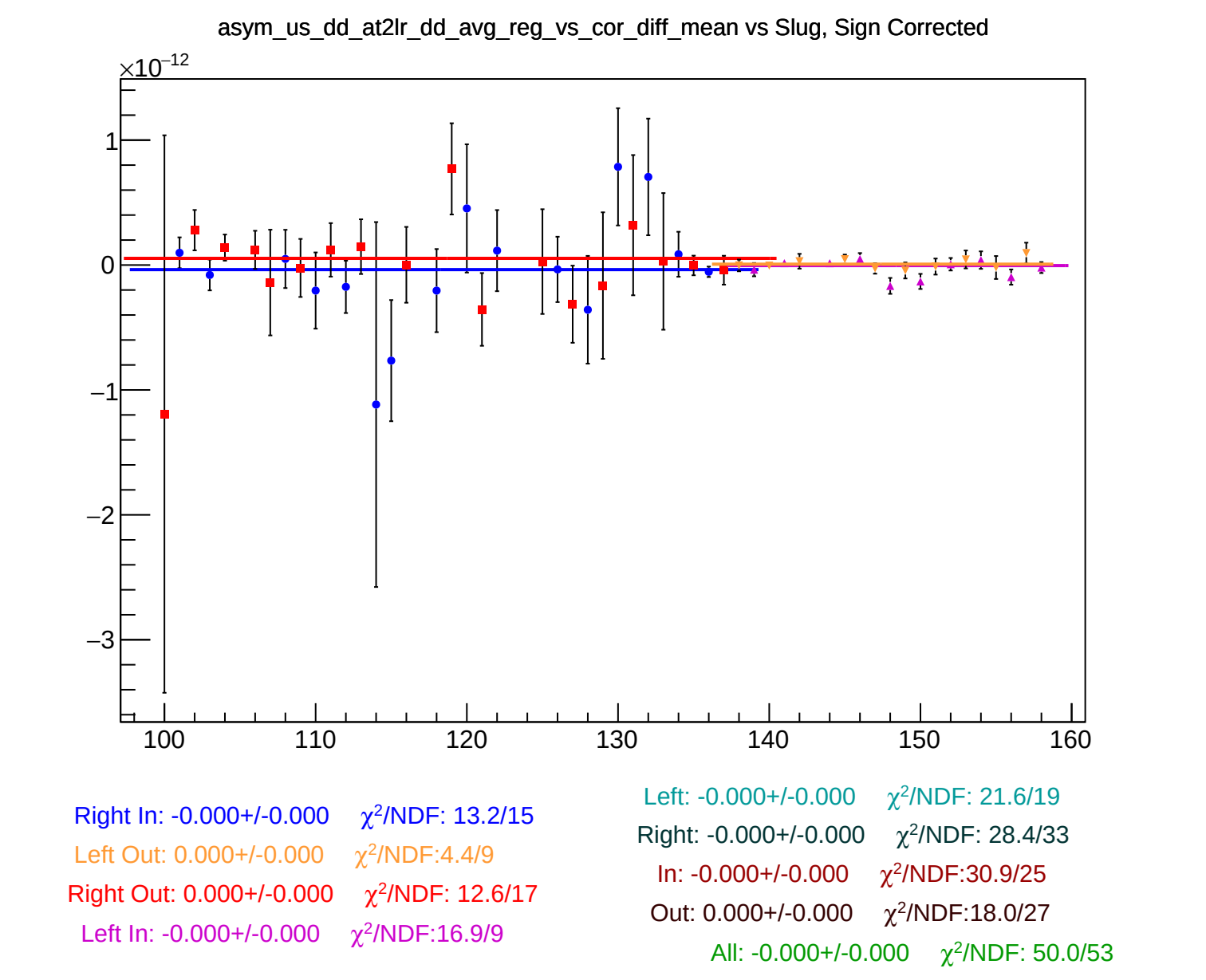
Left: 2646.933+/-0.460 χ^2/NDF: 29934.2/19

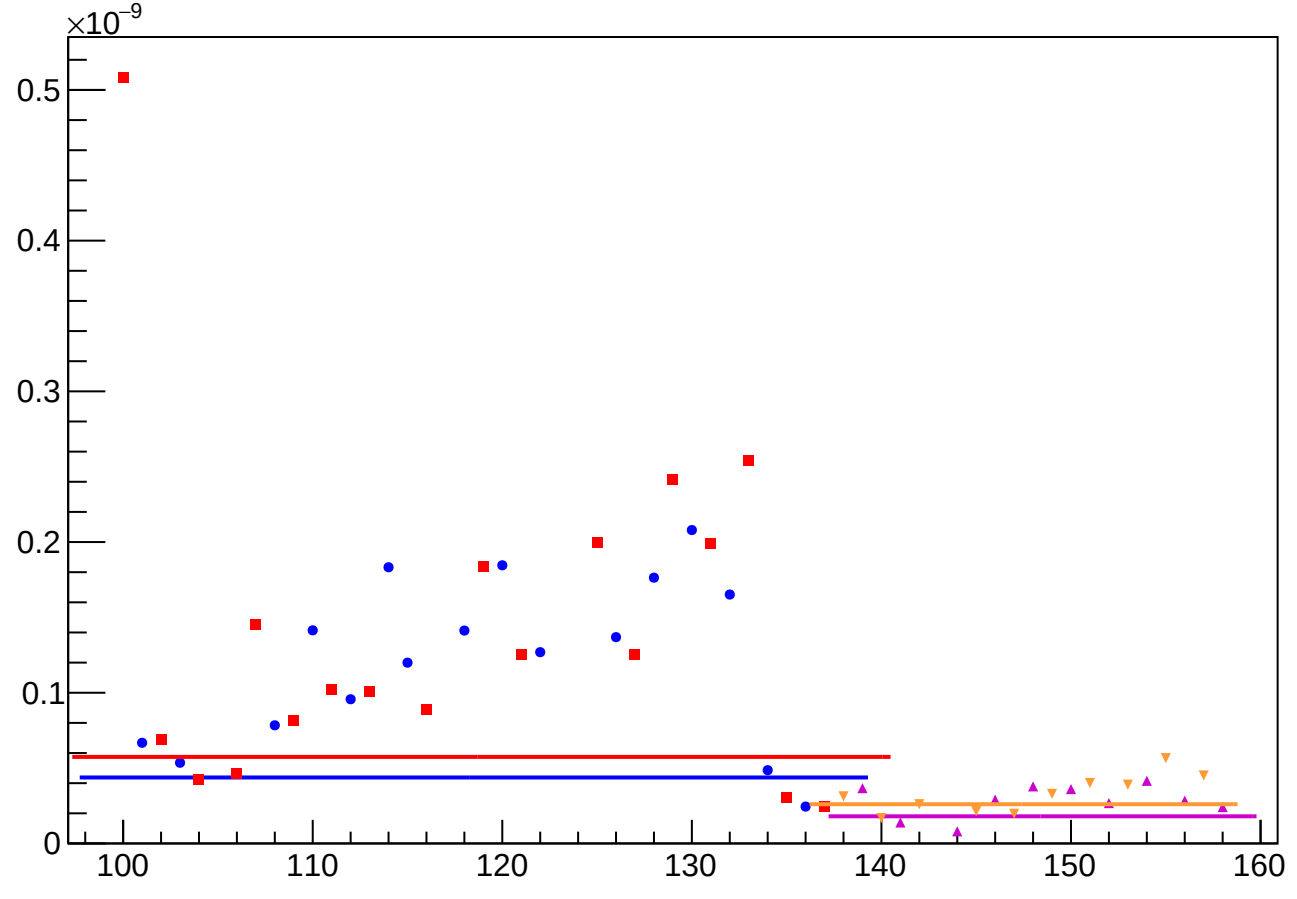
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2861.262+/-0.513 χ^2/NDF:719444.1/25

Out: 2859.569+/-0.529 χ^2/NDF:765542.2/27

All: 2860.442+/-0.368 χ^2/NDF: 1484991.6/53


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:16.9/9
Left: -0.000+/-0.000 χ²/NDF: 21.6/19
Right: -0.000+/-0.000 χ²/NDF: 28.4/33
In: -0.000+/-0.000 χ²/NDF:30.9/25
Out: 0.000+/-0.000 χ²/NDF:18.0/27
All: -0.000+/-0.000 χ²/NDF: 50.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:784887.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1765788.5/9

Left: 0.000+/-0.000 χ^2/NDF: 2878519.8/19

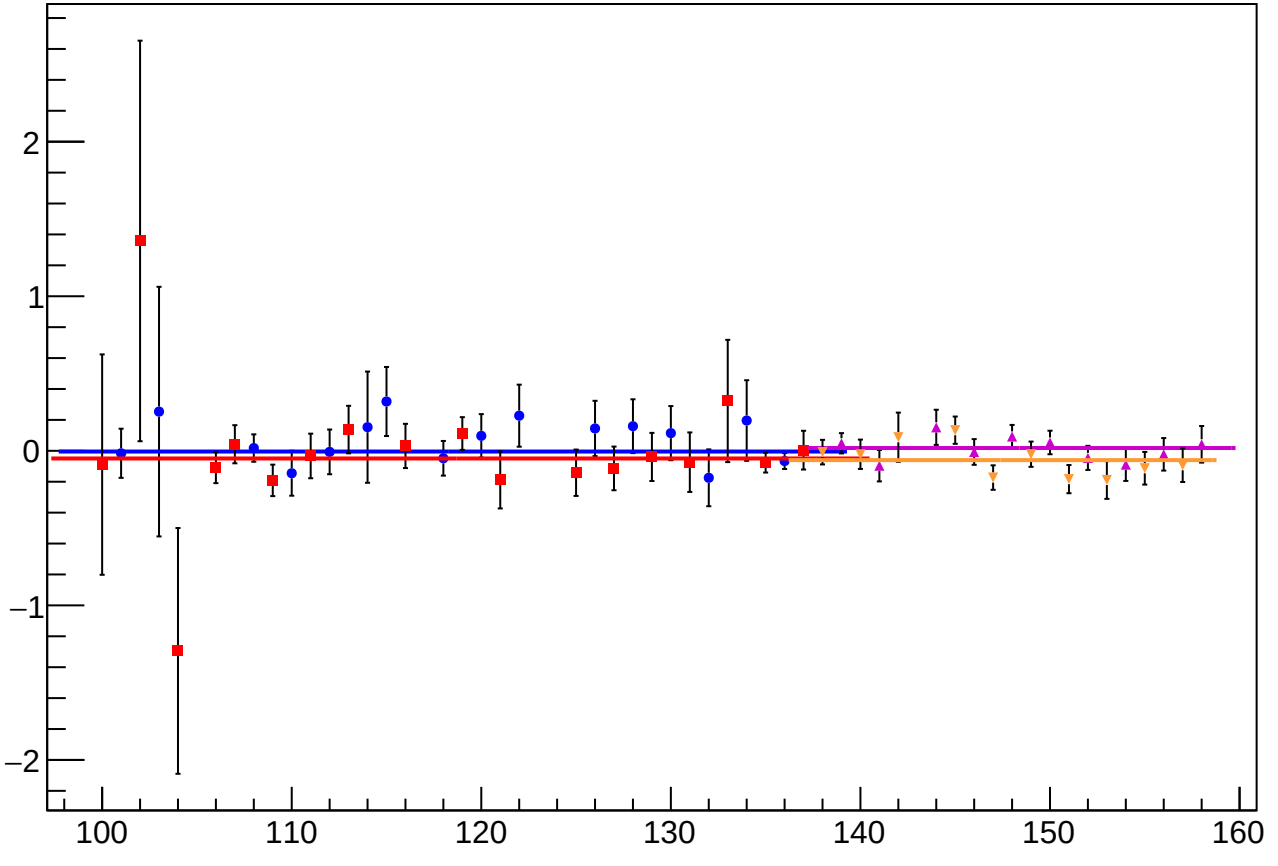
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4996308.0/25

Out: 0.000+/-0.000 χ^2/NDF:3797695.5/27

All: 0.000+/-0.000 χ^2/NDF: 9250529.1/53

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: -0.060+/-0.030 χ^2/NDF:11.8/9

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.018+/-0.028 χ^2/NDF:6.1/9

Left: -0.018+/-0.020 χ^2/NDF: 21.6/19

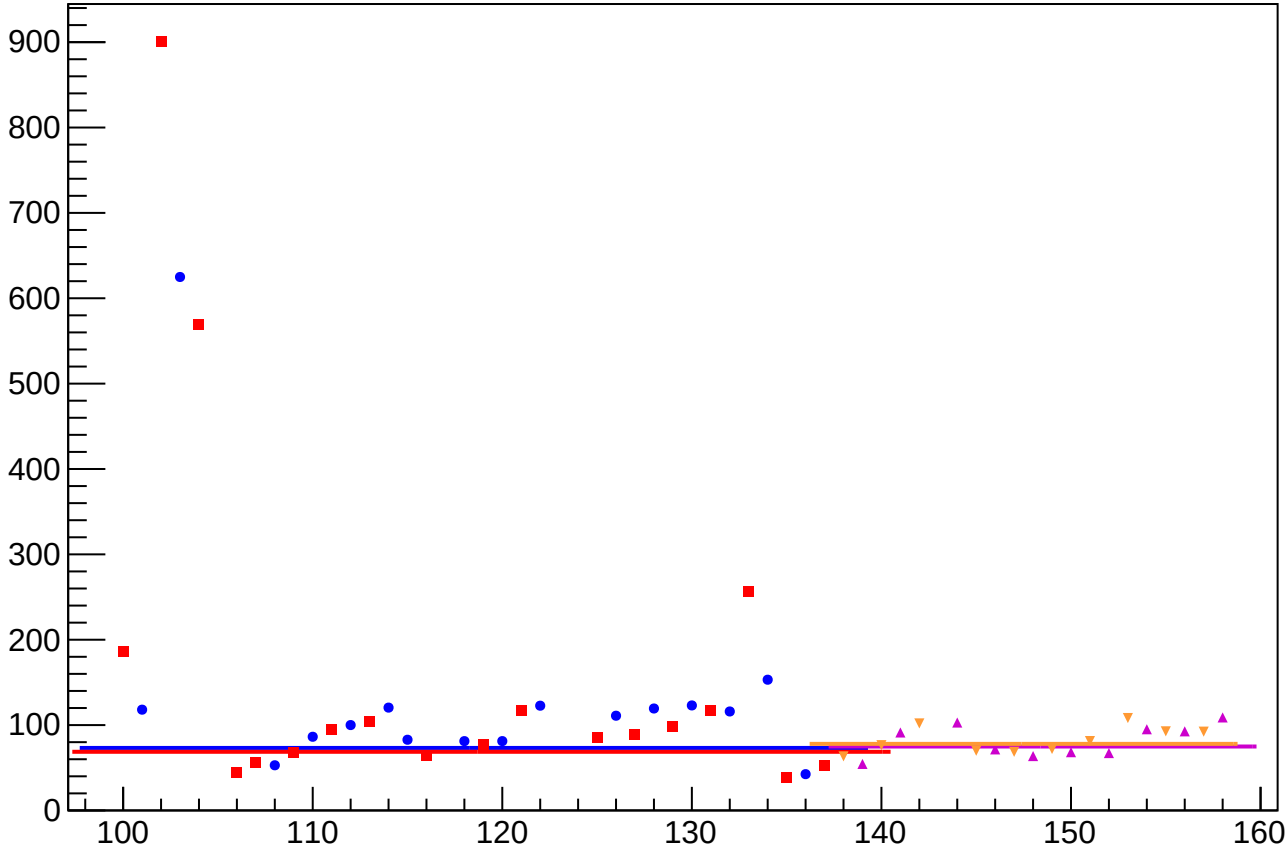
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.021 χ^2/NDF:16.7/25

Out: -0.055+/-0.022 χ^2/NDF:24.9/27

All: -0.022+/-0.015 χ^2/NDF: 46.0/53

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: 77.996+/-0.021 χ^2/NDF:367586.6/9

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.908+/-0.019 χ^2/NDF:745603.3/9

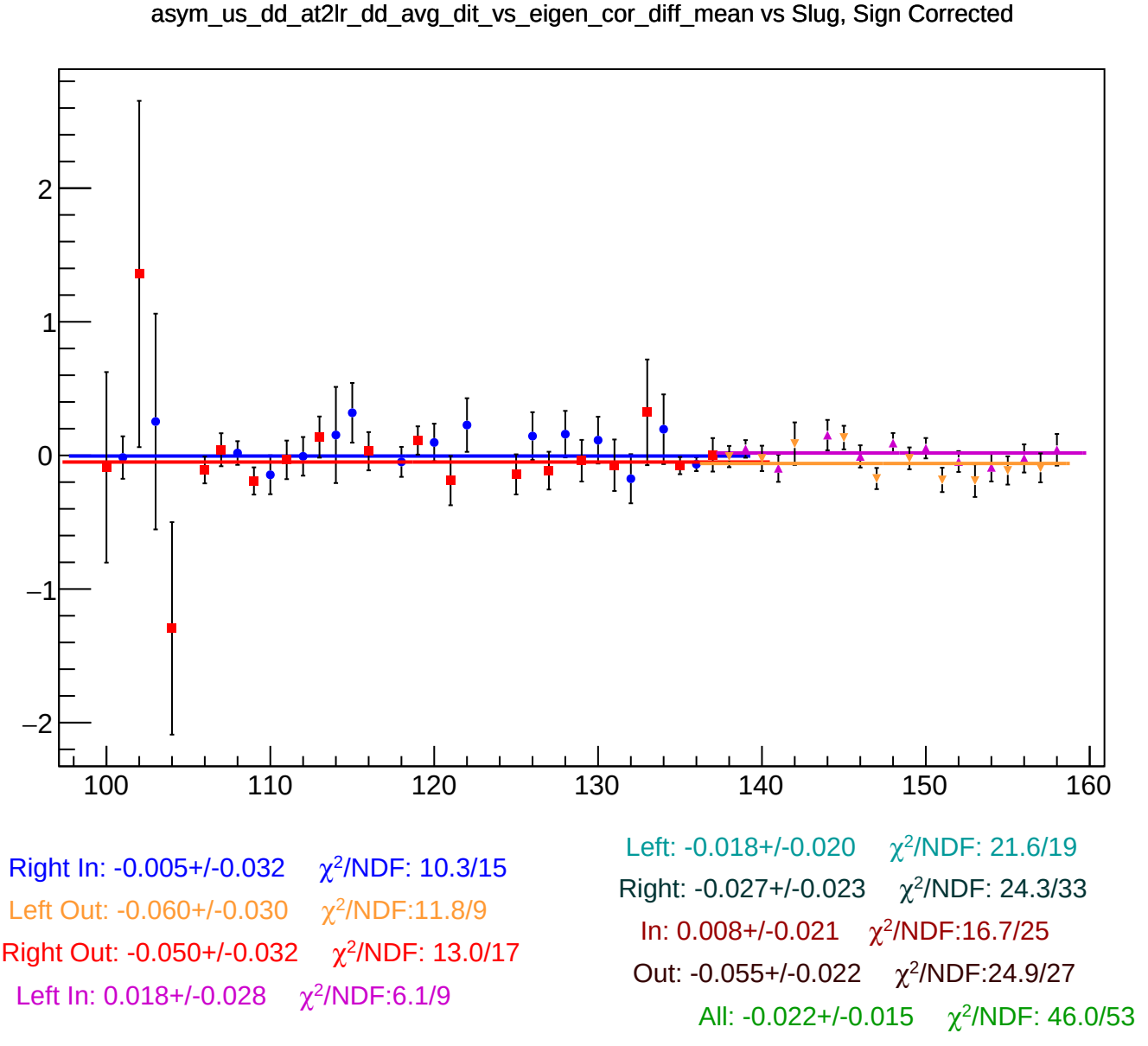
Left: 76.319+/-0.014 χ^2/NDF: 1124667.3/19

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

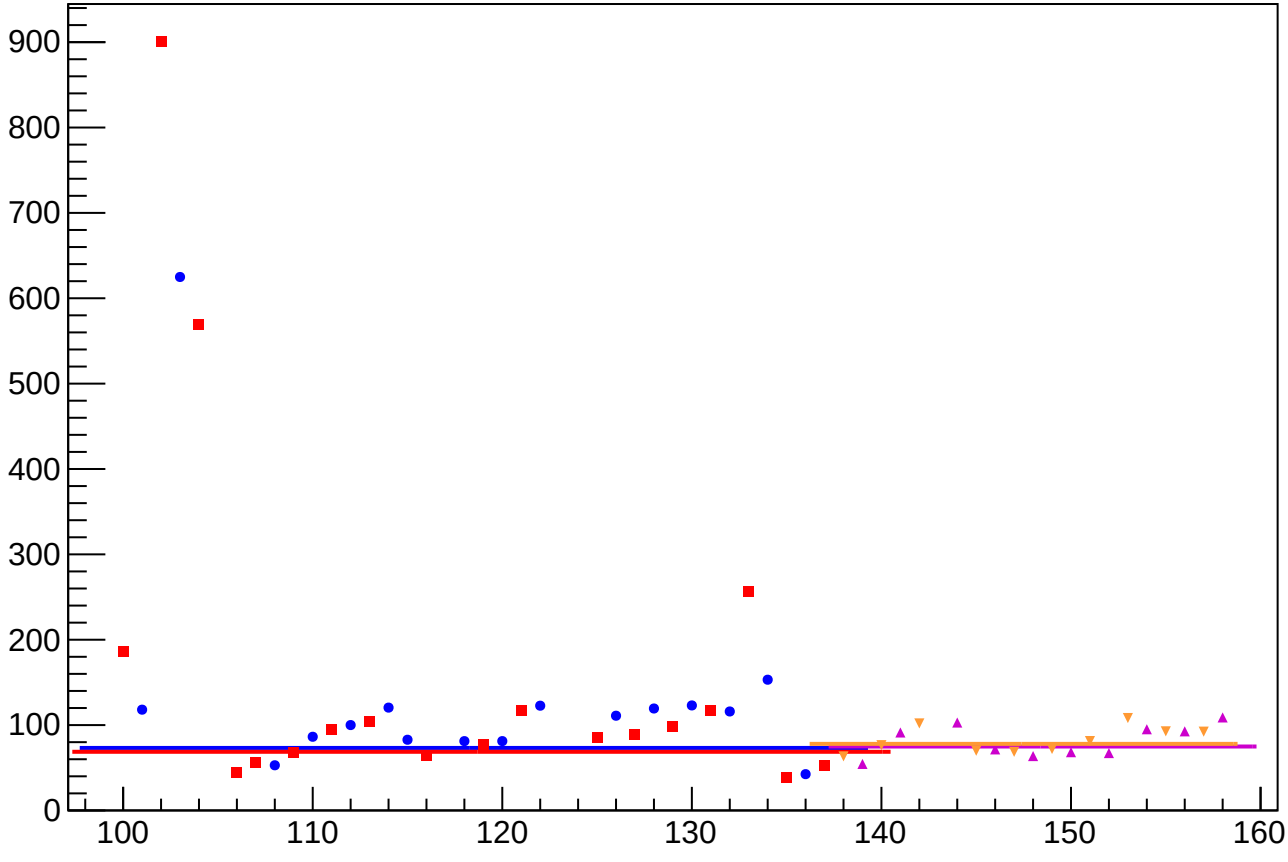
In: 74.201+/-0.015 χ^2/NDF:3603320.3/25

Out: 73.603+/-0.015 χ^2/NDF:3789603.3/27

All: 73.914+/-0.011 χ^2/NDF: 7393706.1/53


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.060+/-0.030 χ²/NDF:11.8/9
Right Out: -0.050+/-0.032 χ²/NDF: 13.0/17
Left In: 0.018+/-0.028 χ²/NDF:6.1/9
Left: -0.018+/-0.020 χ²/NDF: 21.6/19
Right: -0.027+/-0.023 χ²/NDF: 24.3/33
In: 0.008+/-0.021 χ²/NDF:16.7/25
Out: -0.055+/-0.022 χ²/NDF:24.9/27
All: -0.022+/-0.015 χ²/NDF: 46.0/53

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: 77.996+/-0.021 χ^2/NDF:367586.6/9

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.908+/-0.019 χ^2/NDF:745603.3/9

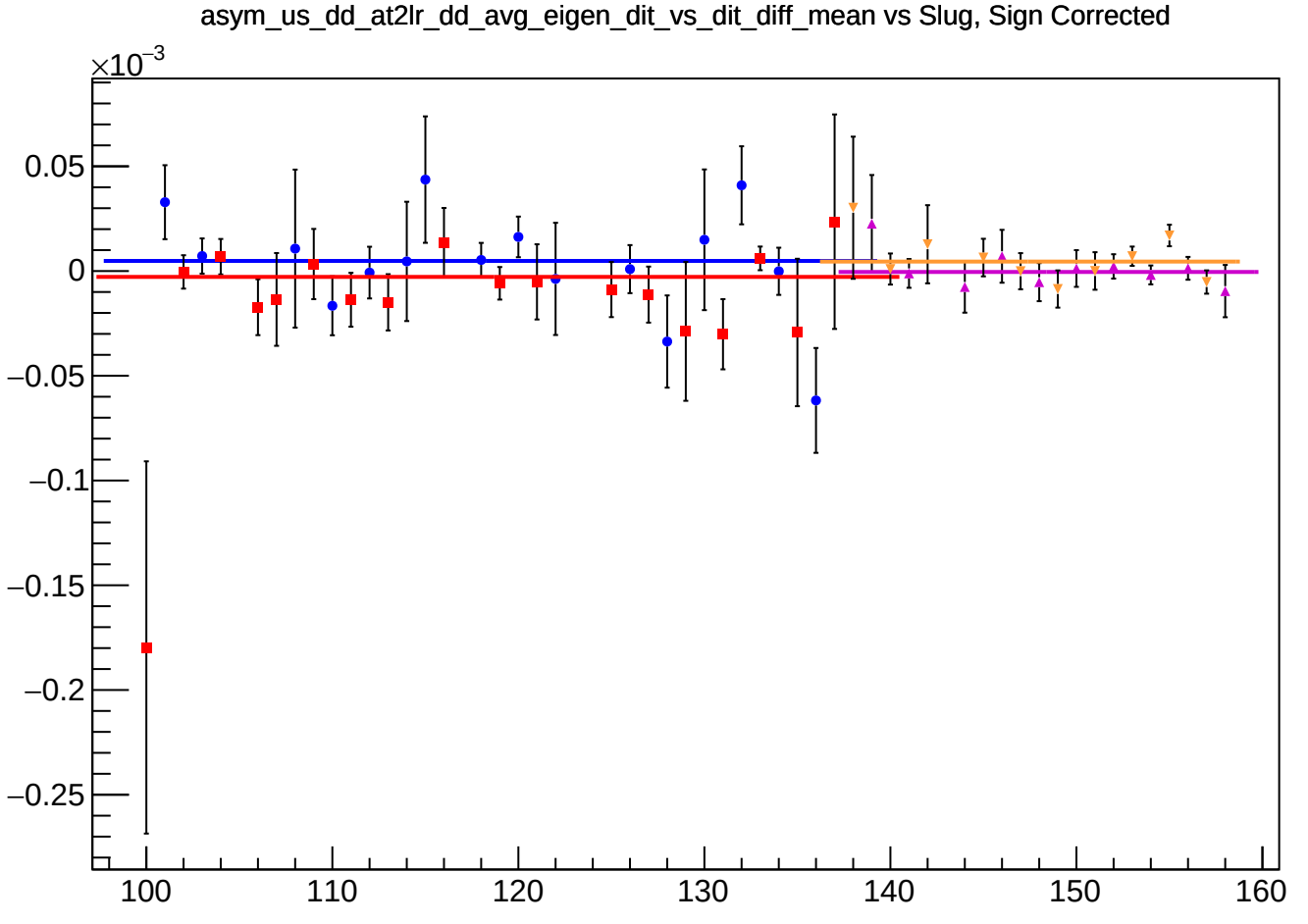
Left: 76.319+/-0.014 χ^2/NDF: 1124667.3/19

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.201+/-0.015 χ^2/NDF:3603320.3/25

Out: 73.603+/-0.015 χ^2/NDF:3789603.3/27

All: 73.914+/-0.011 χ^2/NDF: 7393706.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.9/9

Left: 0.000+/-0.000 χ^2/NDF: 18.2/19

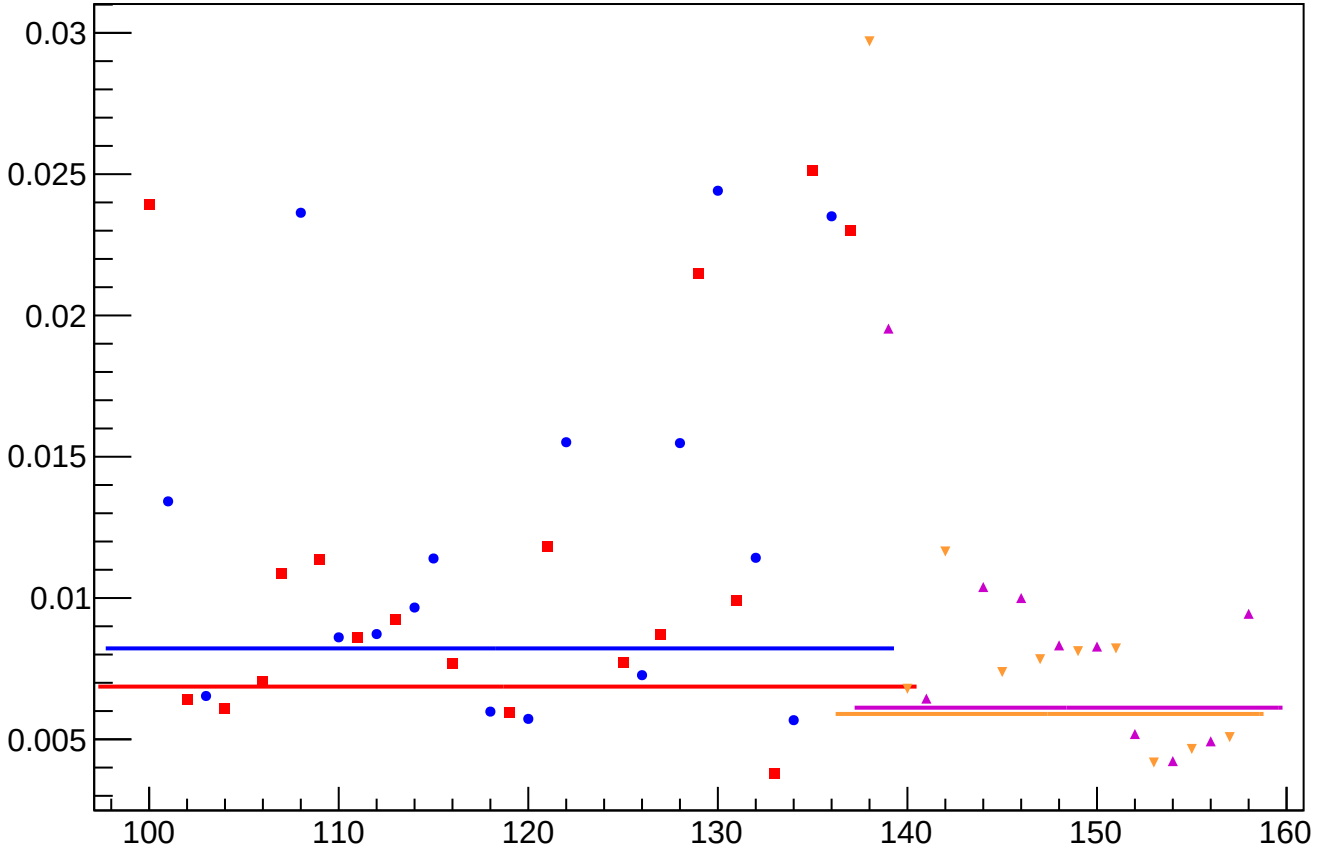
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:27.1/25

Out: 0.000+/-0.000 χ^2/NDF:33.8/27

All: 0.000+/-0.000 χ^2/NDF: 61.0/53

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:2056759.6/9

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:1981170.0/9

Left: 0.006+/-0.000 χ^2/NDF: 4047012.0/19

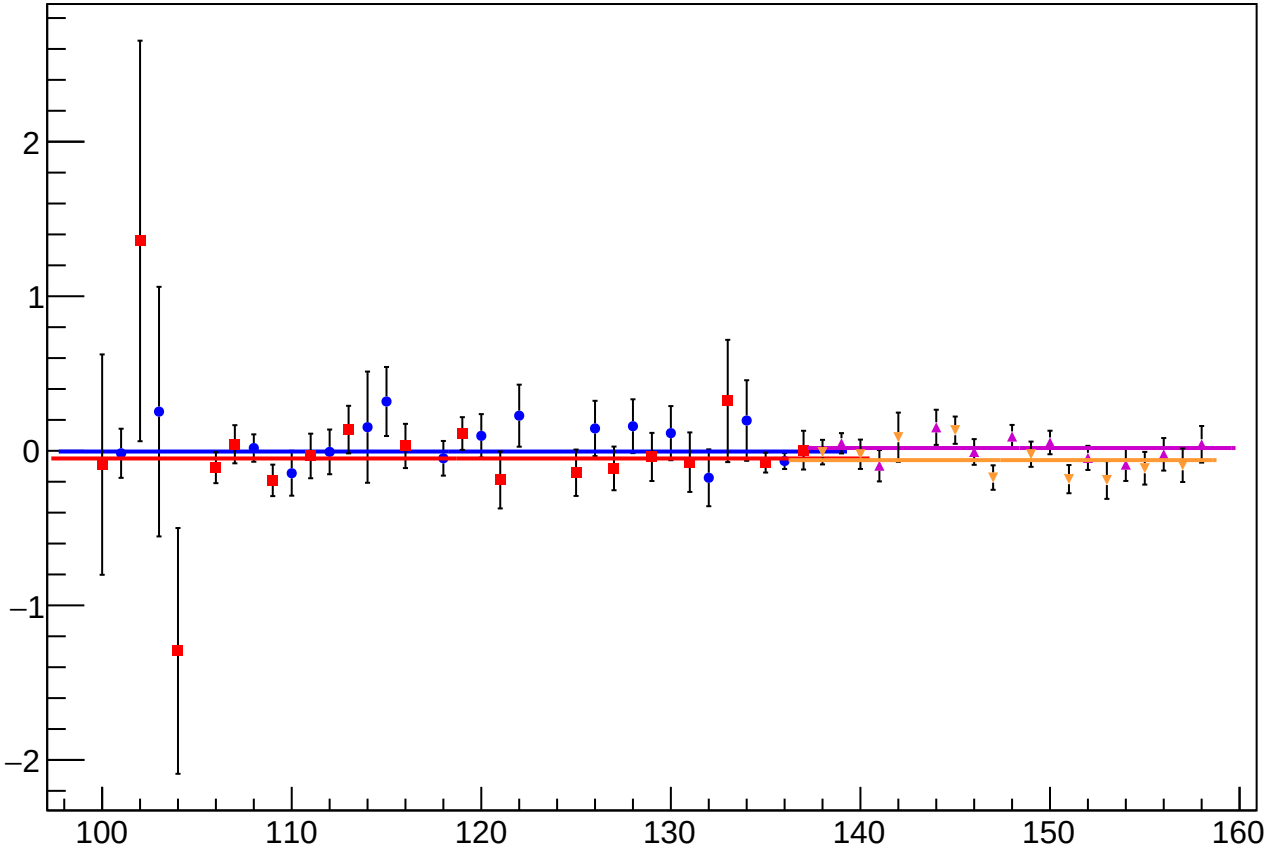
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5133564.9/25

Out: 0.006+/-0.000 χ^2/NDF:4624126.0/27

All: 0.007+/-0.000 χ^2/NDF: 9828054.9/53

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: -0.060+/-0.030 χ^2/NDF:11.8/9

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.018+/-0.028 χ^2/NDF:6.1/9

Left: -0.018+/-0.020 χ^2/NDF: 21.6/19

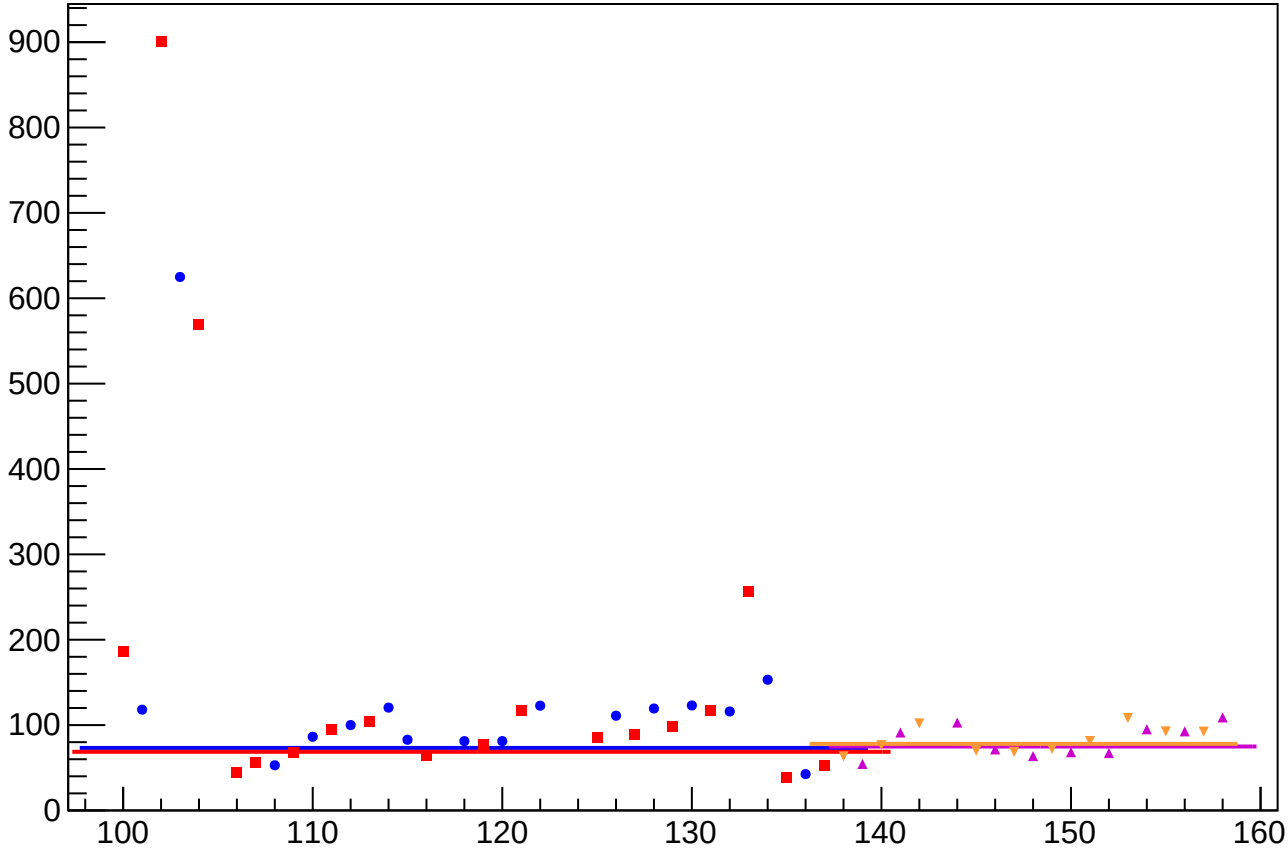
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.021 χ^2/NDF:16.7/25

Out: -0.055+/-0.022 χ^2/NDF:24.9/27

All: -0.022+/-0.015 χ^2/NDF: 46.0/53

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: 77.997+/-0.021 χ^2/NDF:367552.7/9

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.910+/-0.019 χ^2/NDF:745373.6/9

Left: 76.321+/-0.014 χ^2/NDF: 1124391.3/19

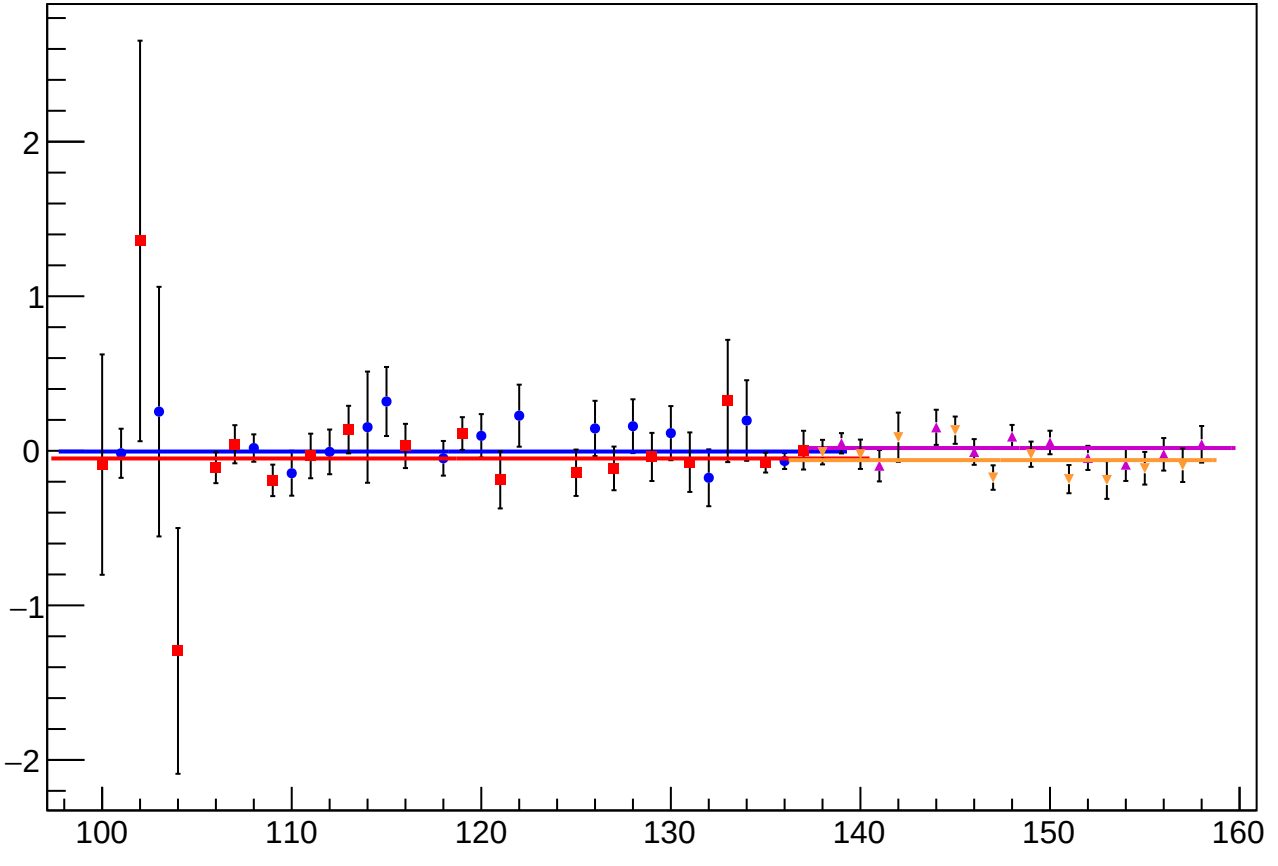
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.213+/-0.015 χ^2/NDF:3600711.0/25

Out: 73.598+/-0.015 χ^2/NDF:3790808.2/27

All: 73.918+/-0.011 χ^2/NDF: 7392347.9/53

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: -0.060+/-0.030 χ^2/NDF:11.8/9

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.018+/-0.028 χ^2/NDF:6.1/9

Left: -0.018+/-0.020 χ^2/NDF: 21.6/19

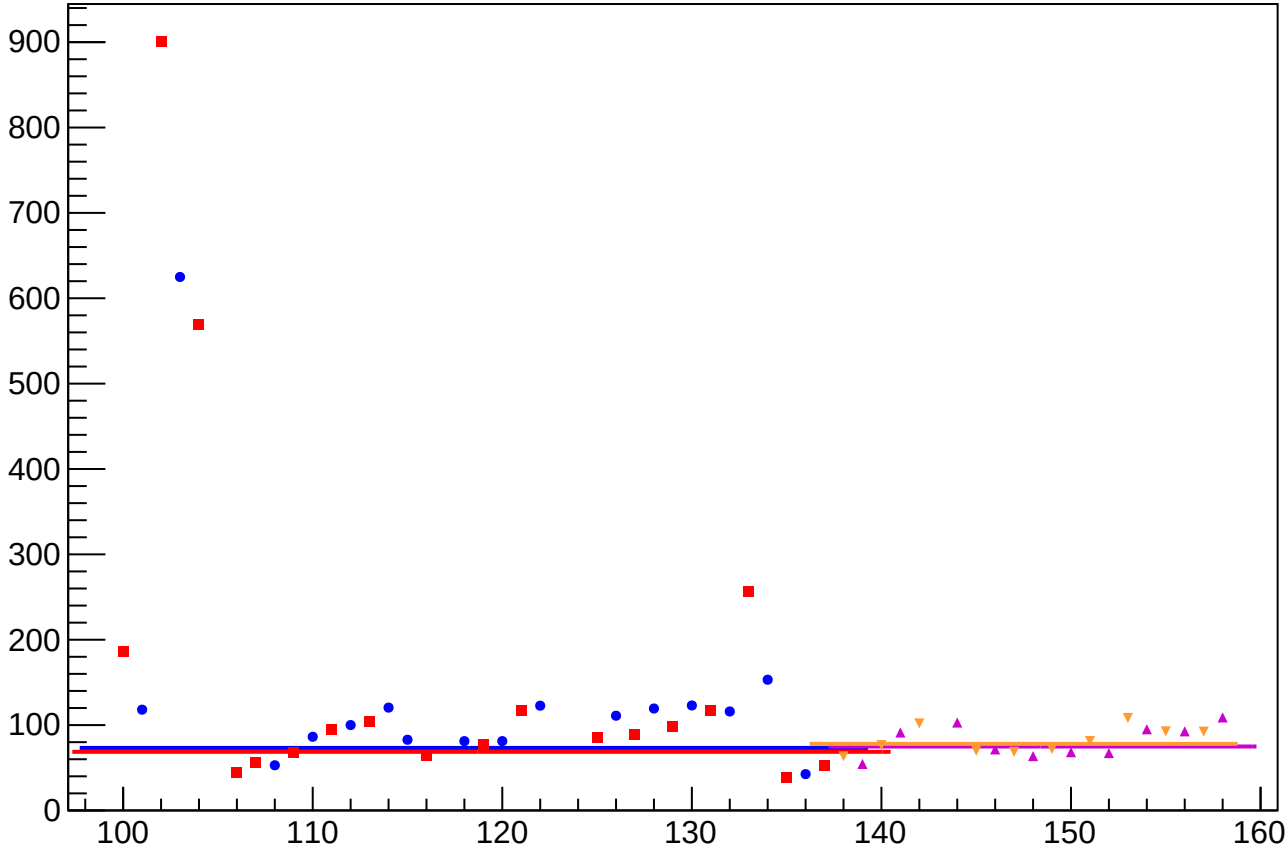
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.021 χ^2/NDF:16.7/25

Out: -0.055+/-0.022 χ^2/NDF:24.9/27

All: -0.022+/-0.015 χ^2/NDF: 46.0/53

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: 77.997+/-0.021 χ^2/NDF:367552.7/9

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 74.910+/-0.019 χ^2/NDF:745373.6/9

Left: 76.321+/-0.014 χ^2/NDF: 1124391.3/19

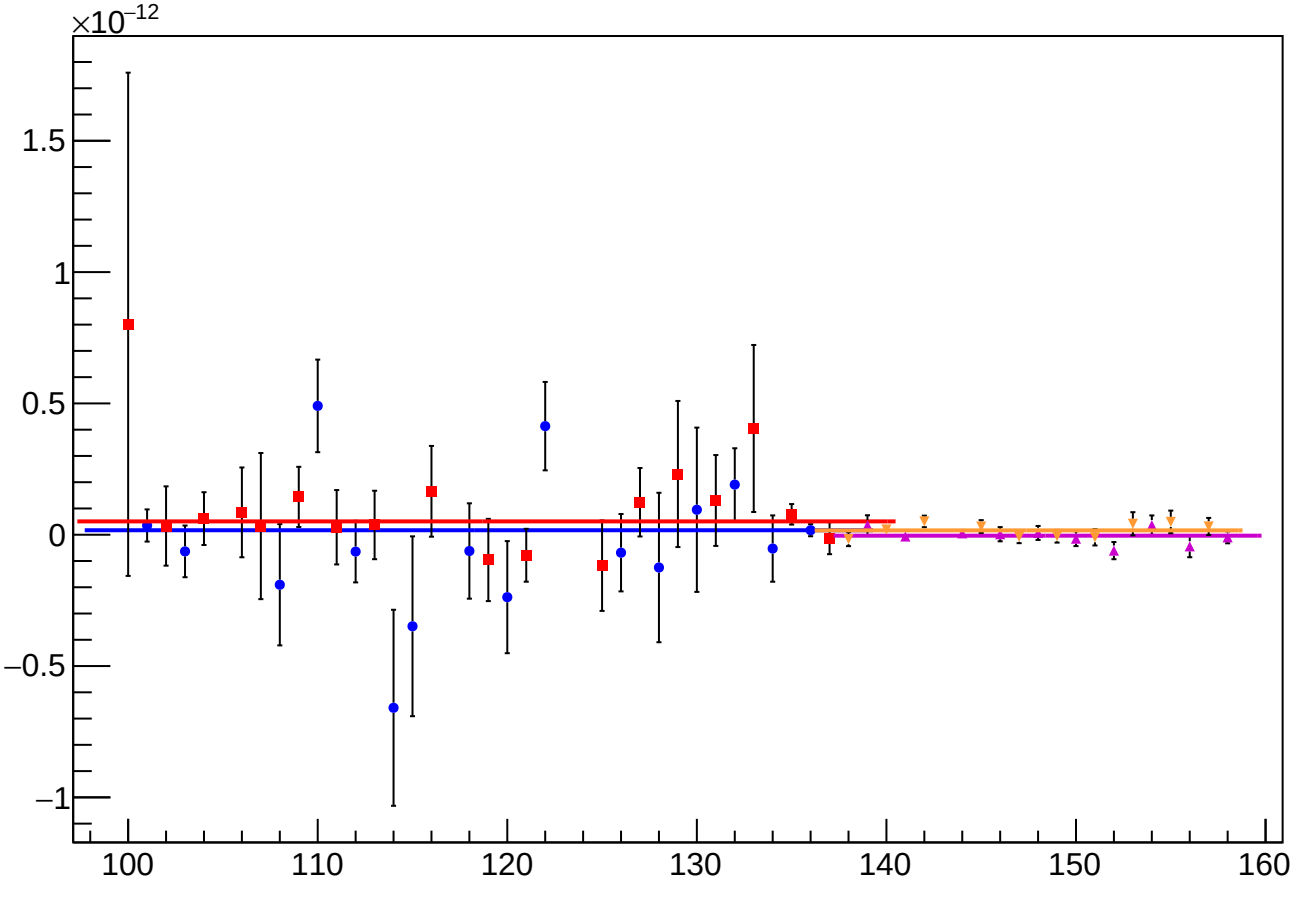
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.213+/-0.015 χ^2/NDF:3600711.0/25

Out: 73.598+/-0.015 χ^2/NDF:3790808.2/27

All: 73.918+/-0.011 χ^2/NDF: 7392347.9/53

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.1/9

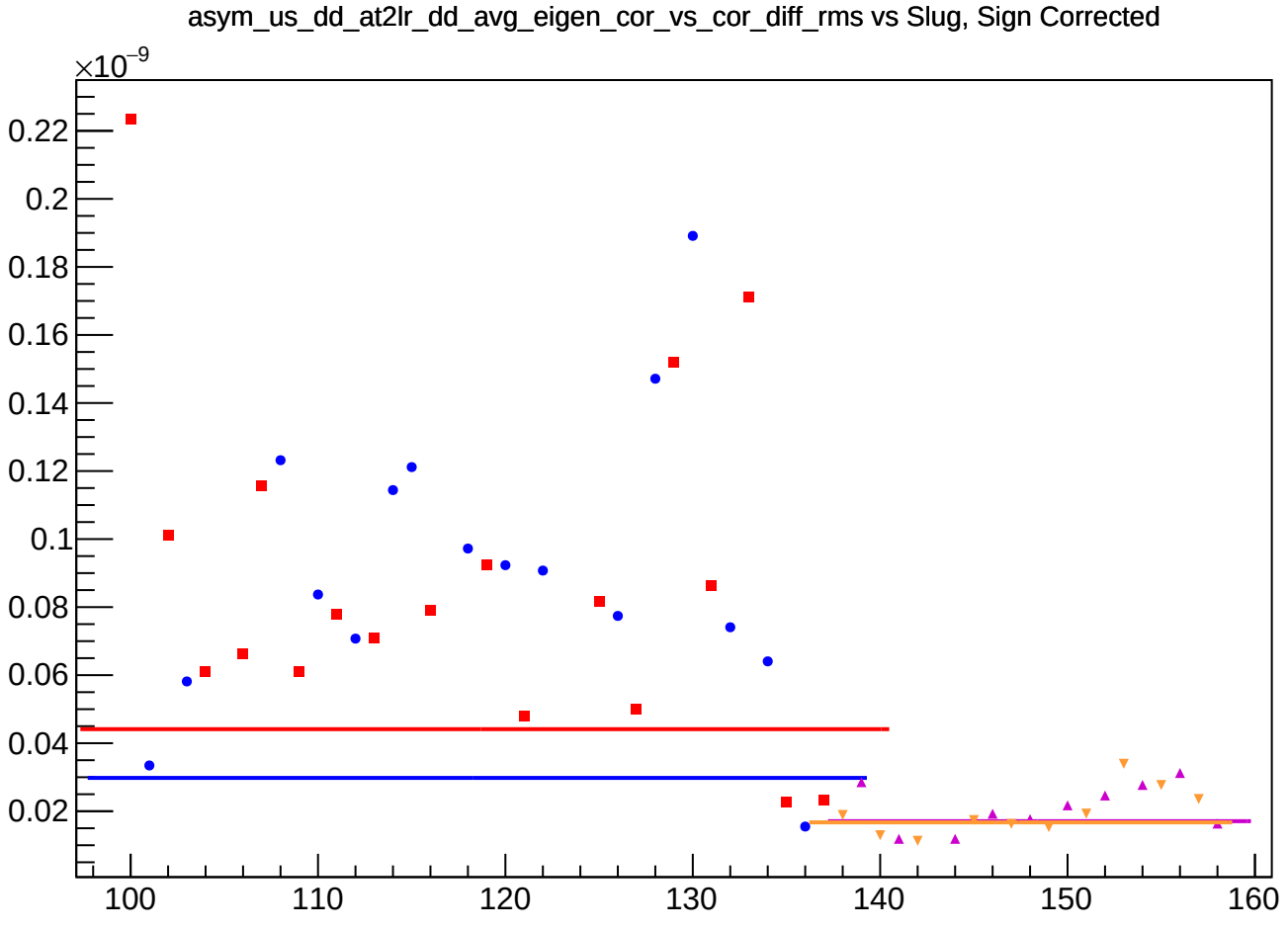
Left: 0.000+/-0.000 χ^2/NDF: 18.3/19

Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:31.4/25

Out: 0.000+/-0.000 χ^2/NDF:18.8/27

All: 0.000+/-0.000 χ^2/NDF: 54.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:784561.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1169160.5/9

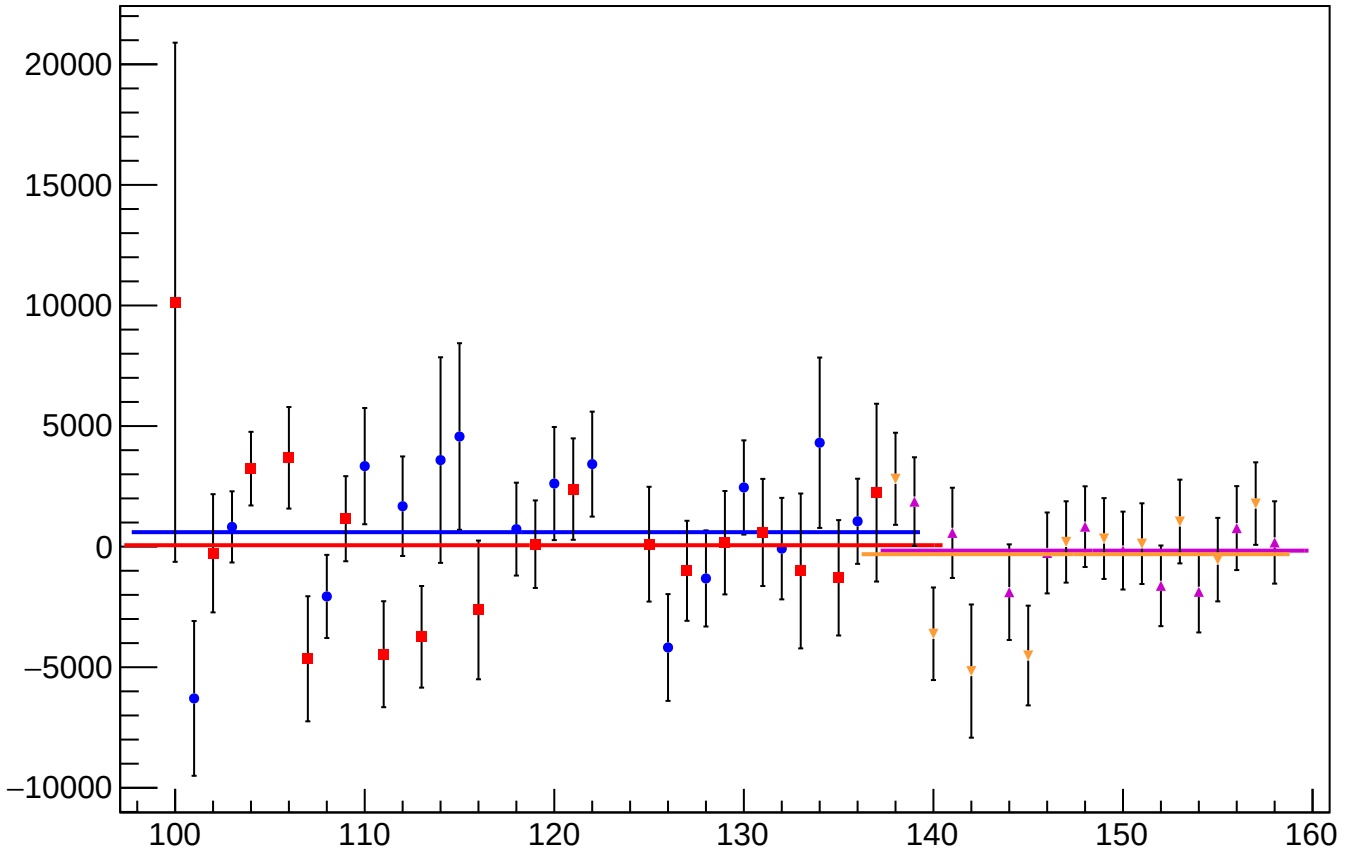
Left: 0.000+/-0.000 χ^2/NDF: 1955675.9/19

Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:5992956.5/25

Out: 0.000+/-0.000 χ^2/NDF:5768805.2/27

All: 0.000+/-0.000 χ^2/NDF: 11766764.4/53



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -312.831+/-579.082 χ^2/NDF:15.3/9

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: -165.800+/-549.301 χ^2/NDF:4.6/9

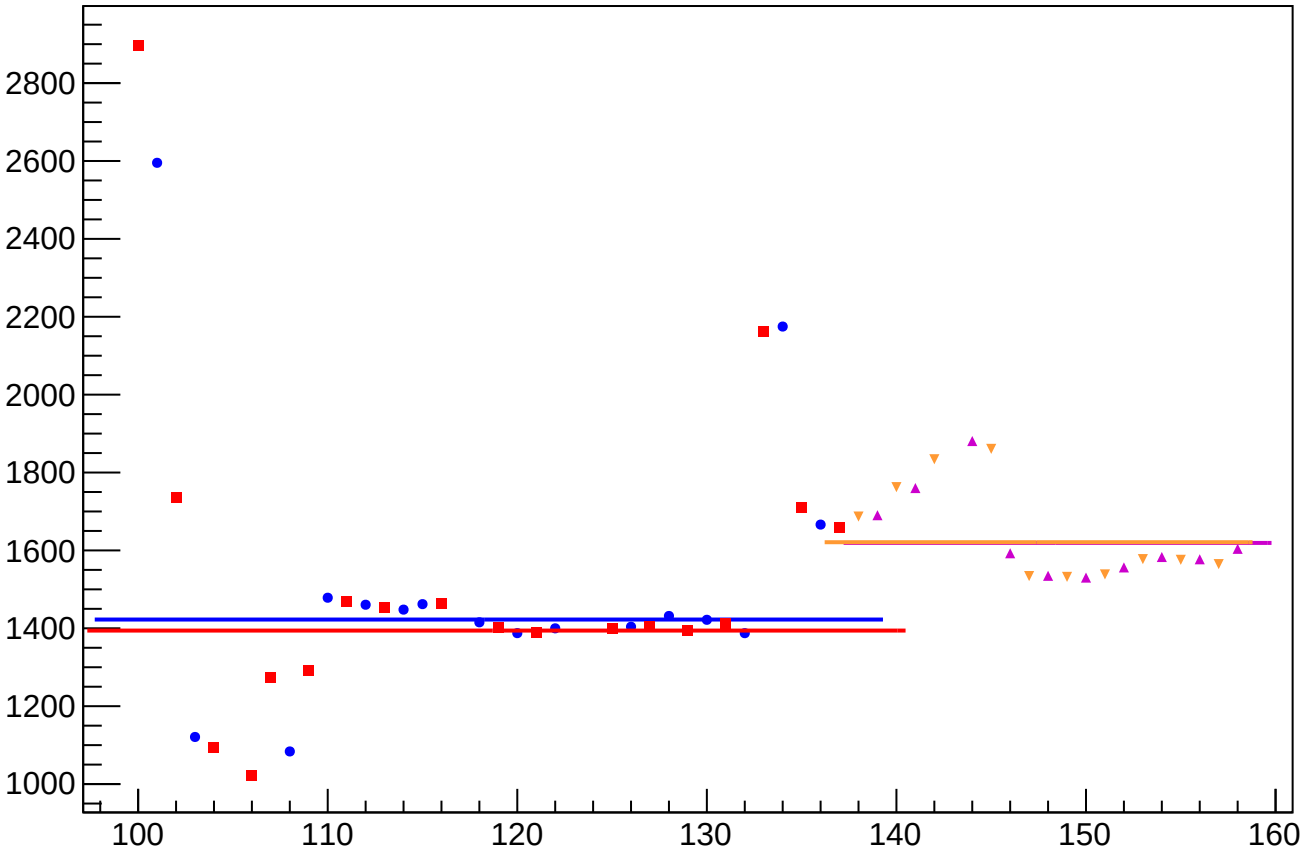
Left: -235.437+/-398.527 χ^2/NDF: 19.9/19

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 223.675+/-385.103 χ^2/NDF:25.9/25

Out: -110.514+/-391.052 χ^2/NDF:38.1/27

All: 59.141+/-274.388 χ^2/NDF: 64.3/53



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1621.049+/-0.409 χ^2/NDF:72609.3/9

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

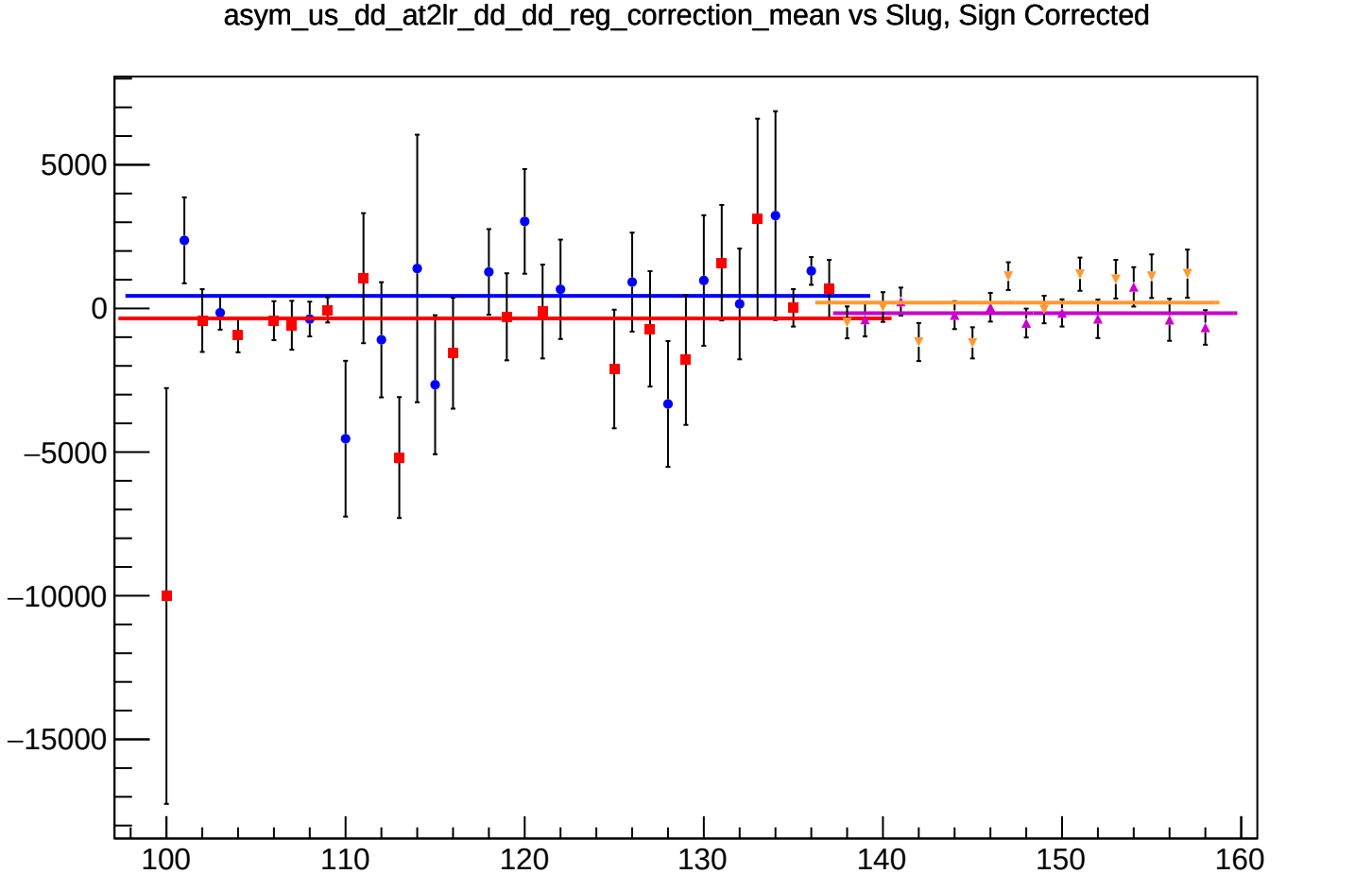
Left: 1620.101+/-0.282 χ^2/NDF: 138527.2/19

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1519.211+/-0.272 χ^2/NDF:756617.0/25

Out: 1497.632+/-0.277 χ^2/NDF:633275.0/27

All: 1508.587+/-0.194 χ^2/NDF: 1392983.6/53



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 203.478+/-183.713 χ^2/NDF:23.8/9

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -165.383+/-174.898 χ^2/NDF:4.1/9

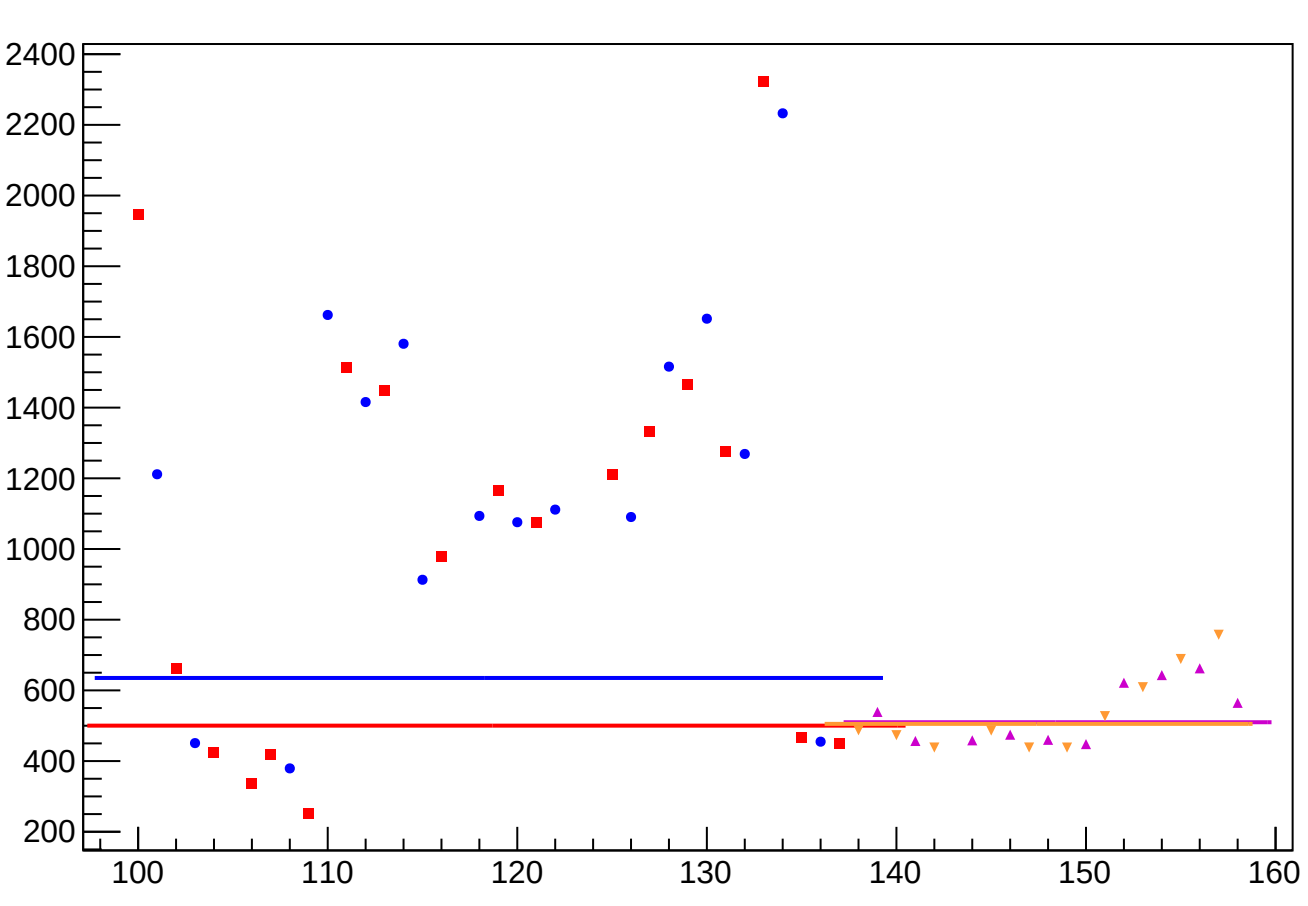
Left: 9.986+/-126.674 χ^2/NDF: 30.0/19

Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 7.140+/-147.721 χ^2/NDF:26.9/25

Out: -7.320+/-144.440 χ^2/NDF:41.1/27

All: -0.253+/-103.275 χ^2/NDF: 68.0/53



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 505.237+/-0.130 χ^2/NDF:458217.6/9

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 509.881+/-0.124 χ^2/NDF:348691.2/9

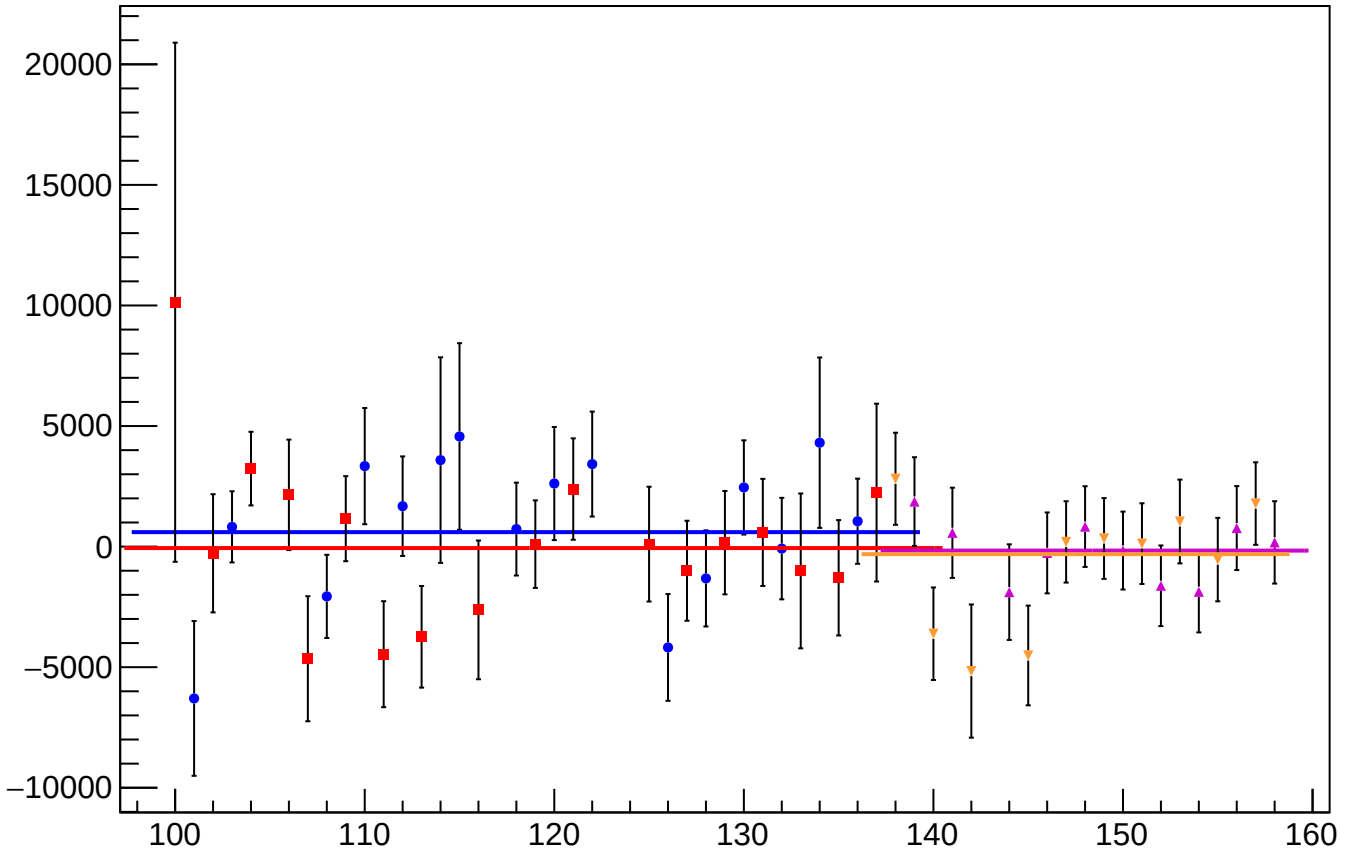
Left: 507.673+/-0.090 χ^2/NDF: 807579.1/19

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 545.783+/-0.104 χ^2/NDF:4395290.4/25

Out: 503.326+/-0.102 χ^2/NDF:4767877.8/27

All: 524.078+/-0.073 χ^2/NDF: 9247630.1/53



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -312.946+/-579.082 χ^2/NDF:15.3/9

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -165.773+/-549.301 χ^2/NDF:4.6/9

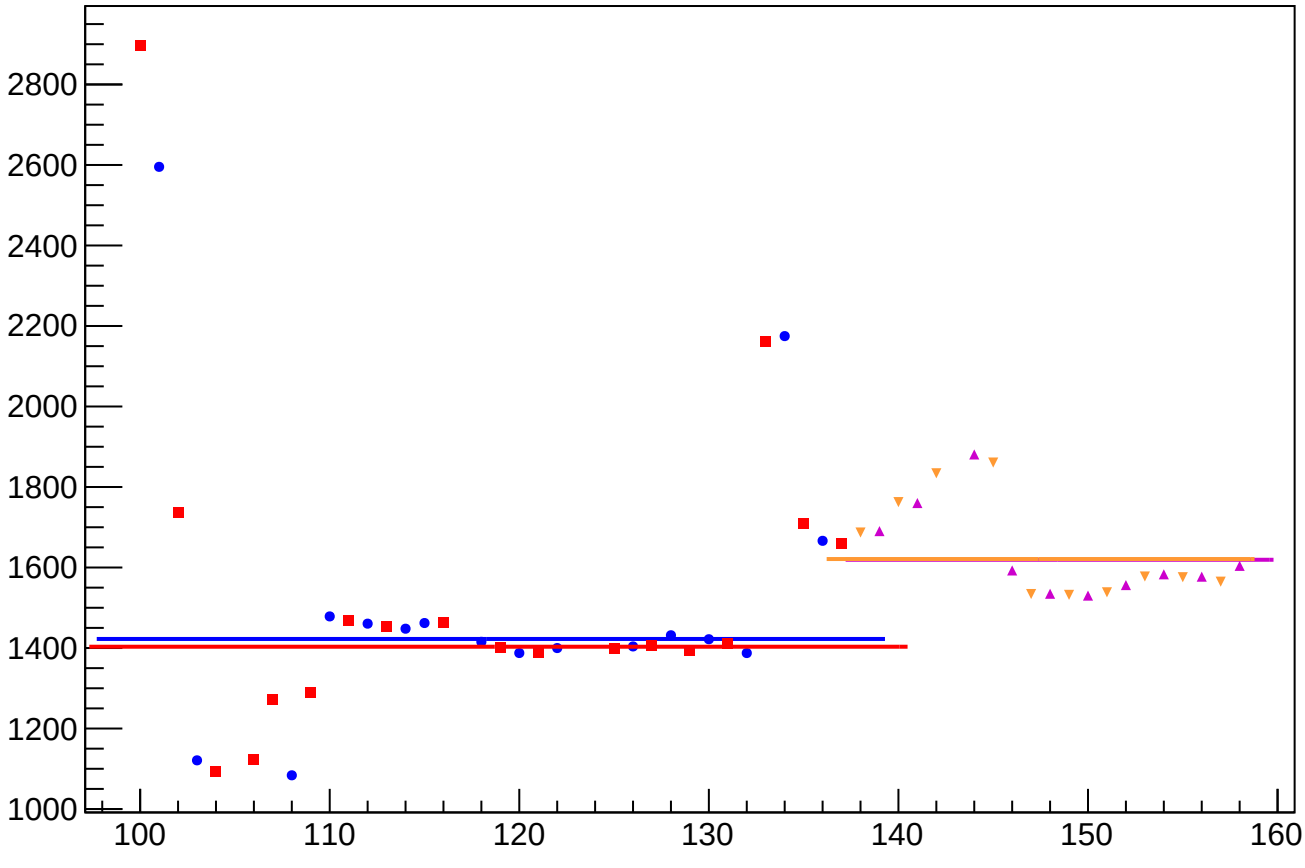
Left: -235.478+/-398.527 χ^2/NDF: 19.9/19

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 223.624+/-385.103 χ^2/NDF:25.9/25

Out: -176.164+/-392.100 χ^2/NDF:35.8/27

All: 27.329+/-274.749 χ^2/NDF: 62.2/53



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1621.049+/-0.409 χ^2/NDF:72609.3/9

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

Left: 1620.101+/-0.282 χ^2/NDF: 138527.2/19

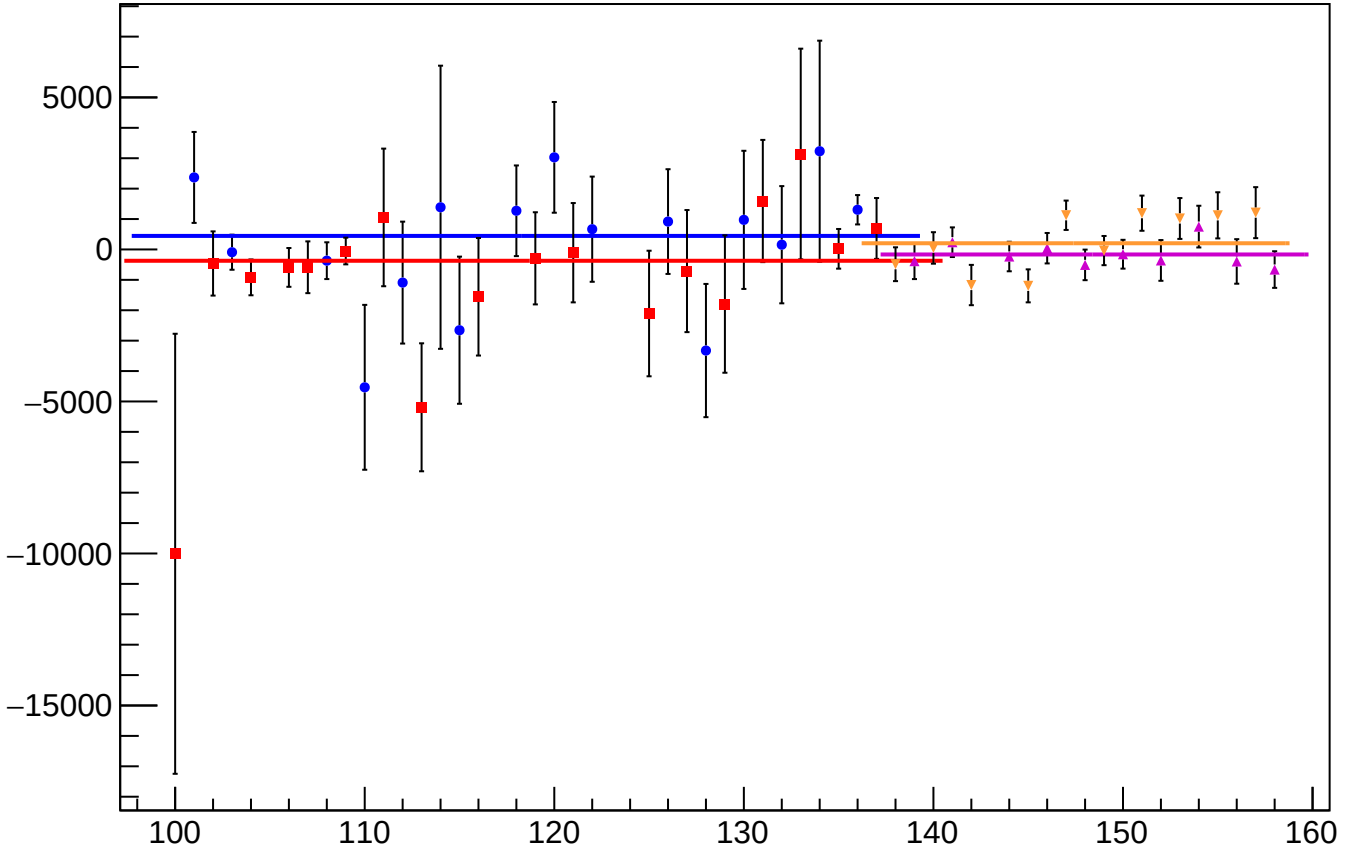
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1519.211+/-0.272 χ^2/NDF:756617.3/25

Out: 1503.088+/-0.277 χ^2/NDF:584974.2/27

All: 1511.295+/-0.194 χ^2/NDF: 1343312.8/53

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 203.486+/-183.716 χ^2/NDF:23.8/9

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -165.434+/-174.896 χ^2/NDF:4.1/9

Left: 9.957+/-126.674 χ^2/NDF: 30.0/19

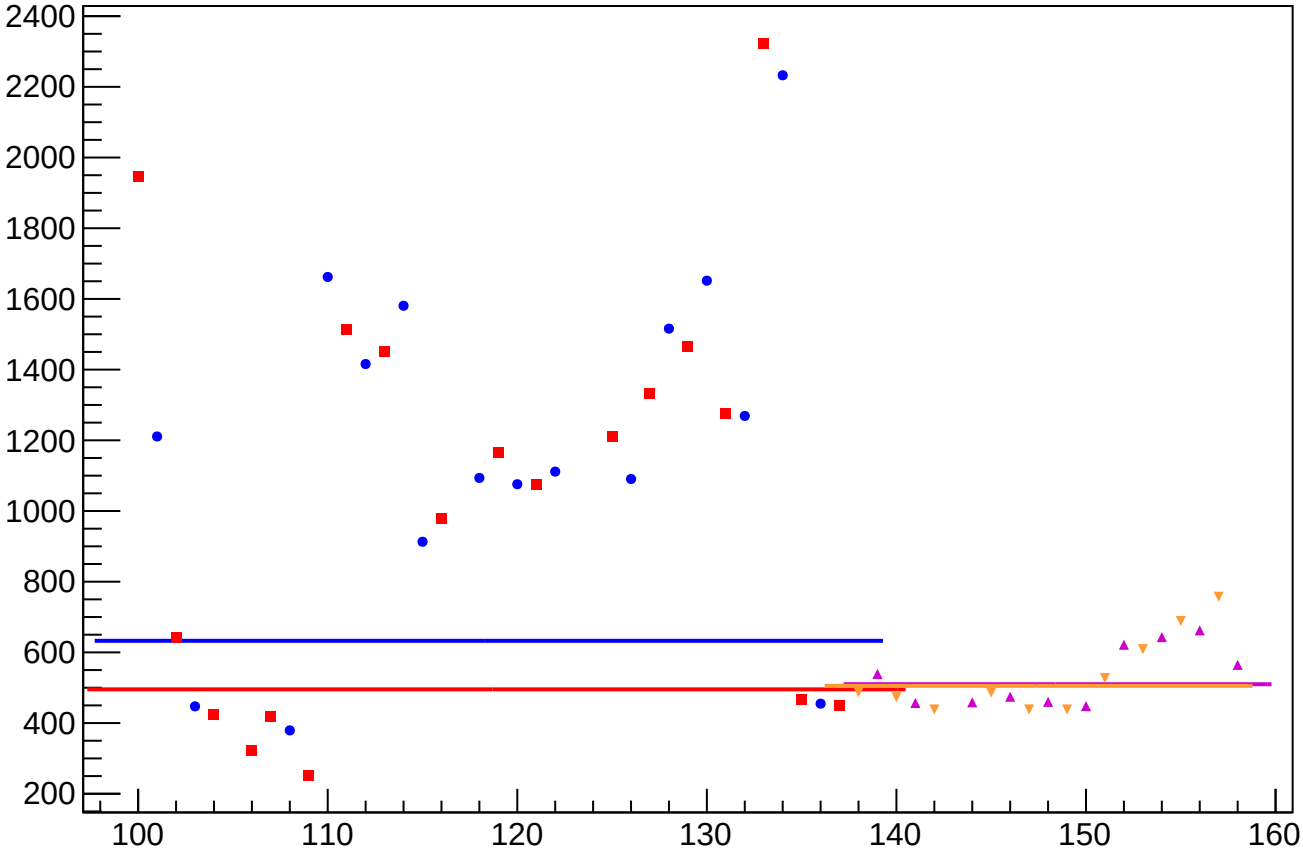
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 10.640+/-147.538 χ^2/NDF:26.8/25

Out: -19.277+/-143.872 χ^2/NDF:41.6/27

All: -4.695+/-103.004 χ^2/NDF: 68.4/53

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: 505.247+/-0.130 χ^2/NDF:458138.3/9

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 509.874+/-0.124 χ^2/NDF:348705.0/9

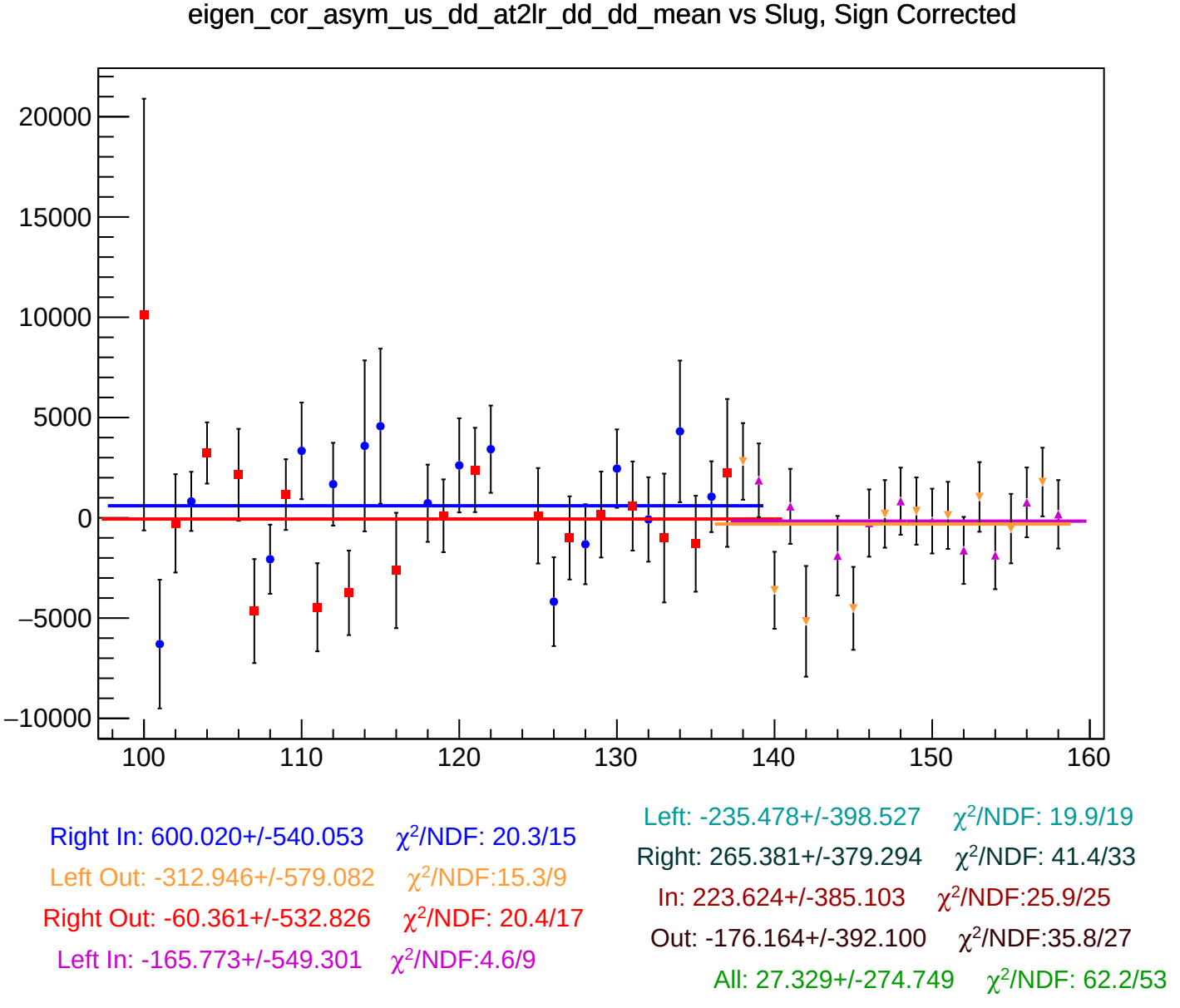
Left: 507.674+/-0.090 χ^2/NDF: 807508.7/19

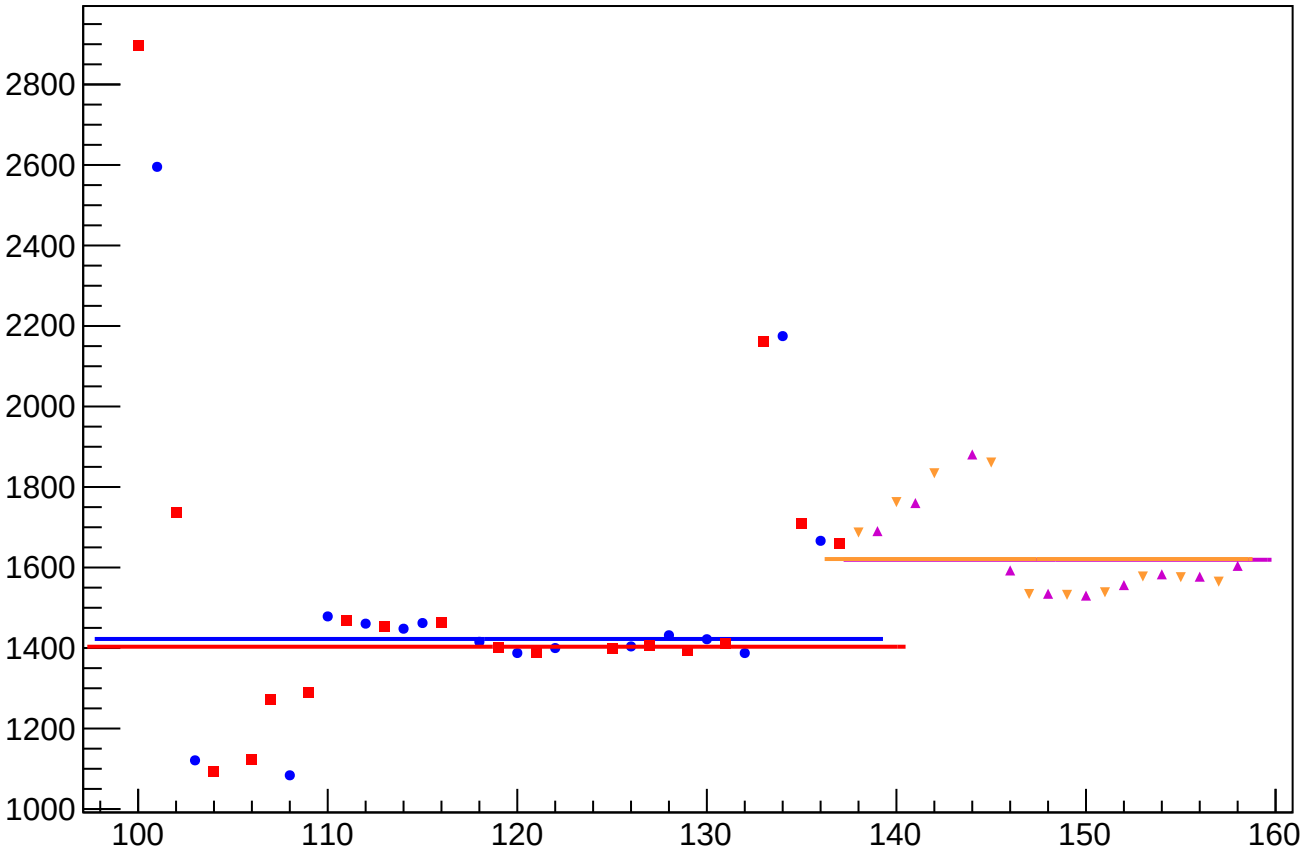
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 545.310+/-0.104 χ^2/NDF:4401142.8/25

Out: 501.431+/-0.102 χ^2/NDF:4797854.0/27

All: 522.819+/-0.073 χ^2/NDF: 9289673.9/53


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -312.946+/-579.082 χ²/NDF:15.3/9
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -165.773+/-549.301 χ²/NDF:4.6/9
Left: -235.478+/-398.527 χ²/NDF: 19.9/19
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 223.624+/-385.103 χ²/NDF:25.9/25
Out: -176.164+/-392.100 χ²/NDF:35.8/27
All: 27.329+/-274.749 χ²/NDF: 62.2/53



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1621.049+/-0.409 χ^2/NDF:72609.3/9

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

Left: 1620.101+/-0.282 χ^2/NDF: 138527.2/19

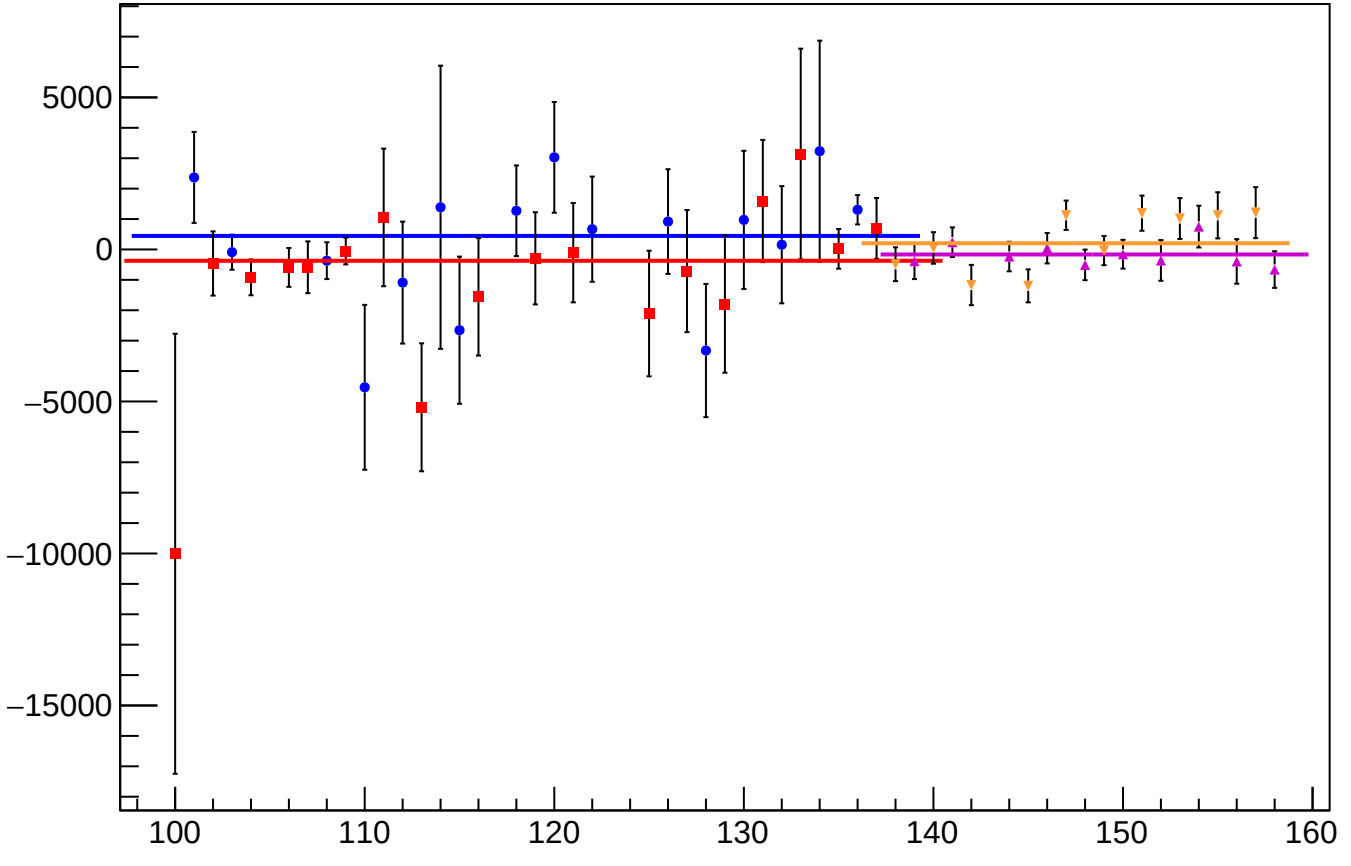
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1519.211+/-0.272 χ^2/NDF:756617.3/25

Out: 1503.088+/-0.277 χ^2/NDF:584974.2/27

All: 1511.295+/-0.194 χ^2/NDF: 1343312.8/53

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 203.486+/-183.716 χ^2/NDF:23.8/9

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -165.434+/-174.896 χ^2/NDF:4.1/9

Left: 9.957+/-126.674 χ^2/NDF: 30.0/19

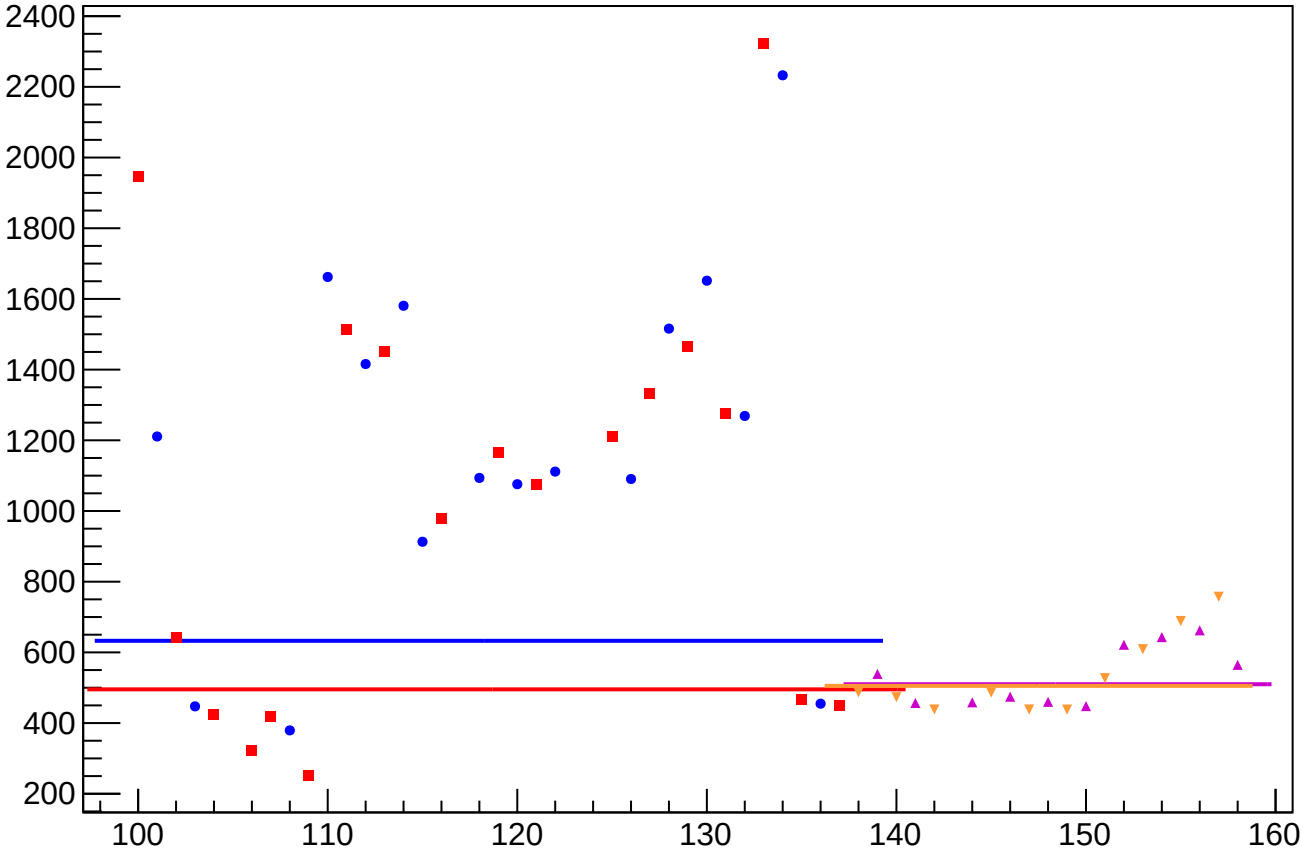
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 10.640+/-147.538 χ^2/NDF:26.8/25

Out: -19.277+/-143.872 χ^2/NDF:41.6/27

All: -4.695+/-103.004 χ^2/NDF: 68.4/53

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: 505.247+/-0.130 χ^2/NDF:458138.3/9

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 509.874+/-0.124 χ^2/NDF:348705.0/9

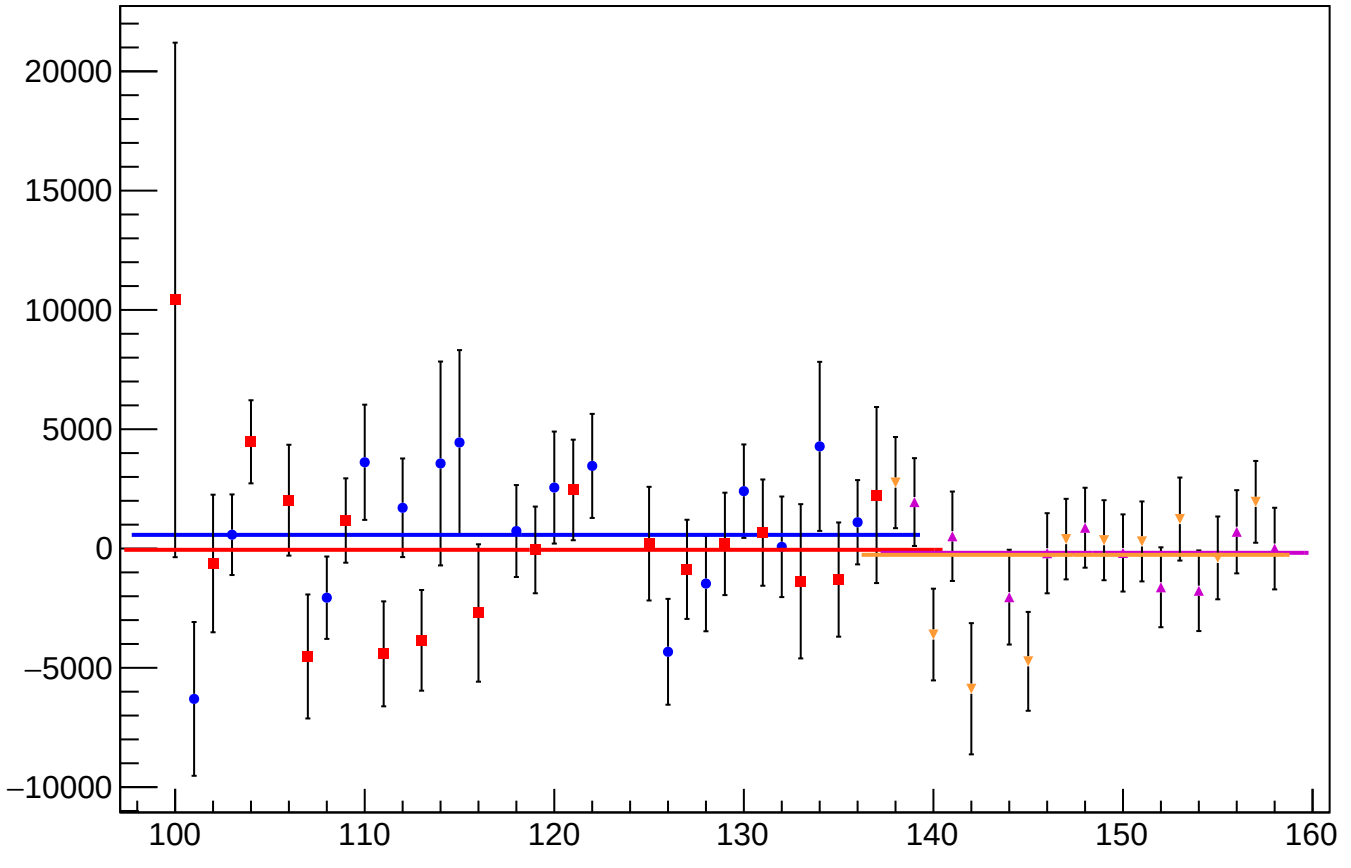
Left: 507.674+/-0.090 χ^2/NDF: 807508.7/19

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 545.310+/-0.104 χ^2/NDF:4401142.8/25

Out: 501.431+/-0.102 χ^2/NDF:4797854.0/27

All: 522.819+/-0.073 χ^2/NDF: 9289673.9/53



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -264.134+/-579.763 χ^2/NDF:17.2/9

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -179.808+/-550.097 χ^2/NDF:4.6/9

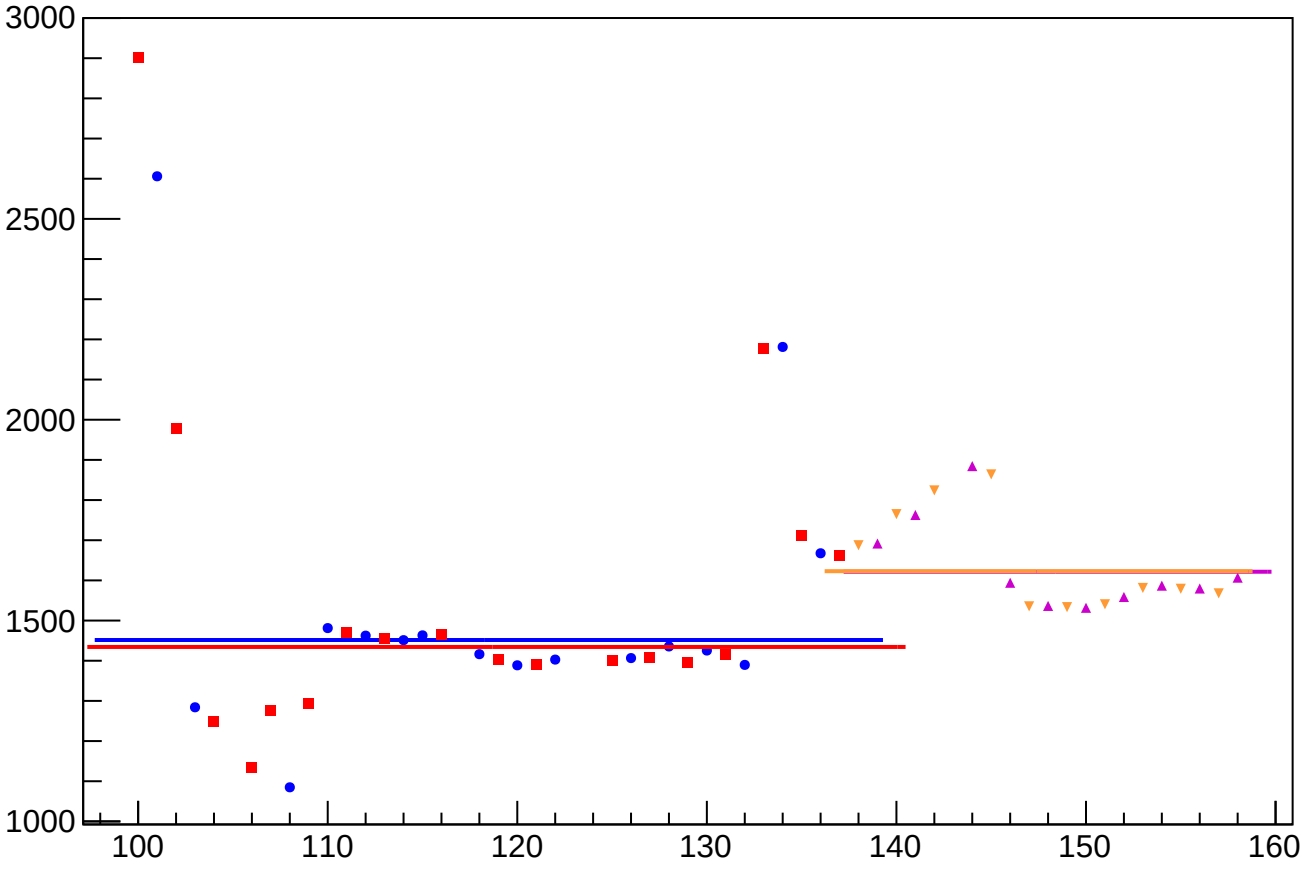
Left: -219.759+/-399.053 χ^2/NDF: 21.8/19

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 196.555+/-388.815 χ^2/NDF:26.4/25

Out: -152.516+/-397.231 χ^2/NDF:39.8/27

All: 25.756+/-277.861 χ^2/NDF: 66.5/53



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1622.908+/-0.410 χ^2/NDF:71368.5/9

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1621.572+/-0.389 χ^2/NDF:66157.0/9

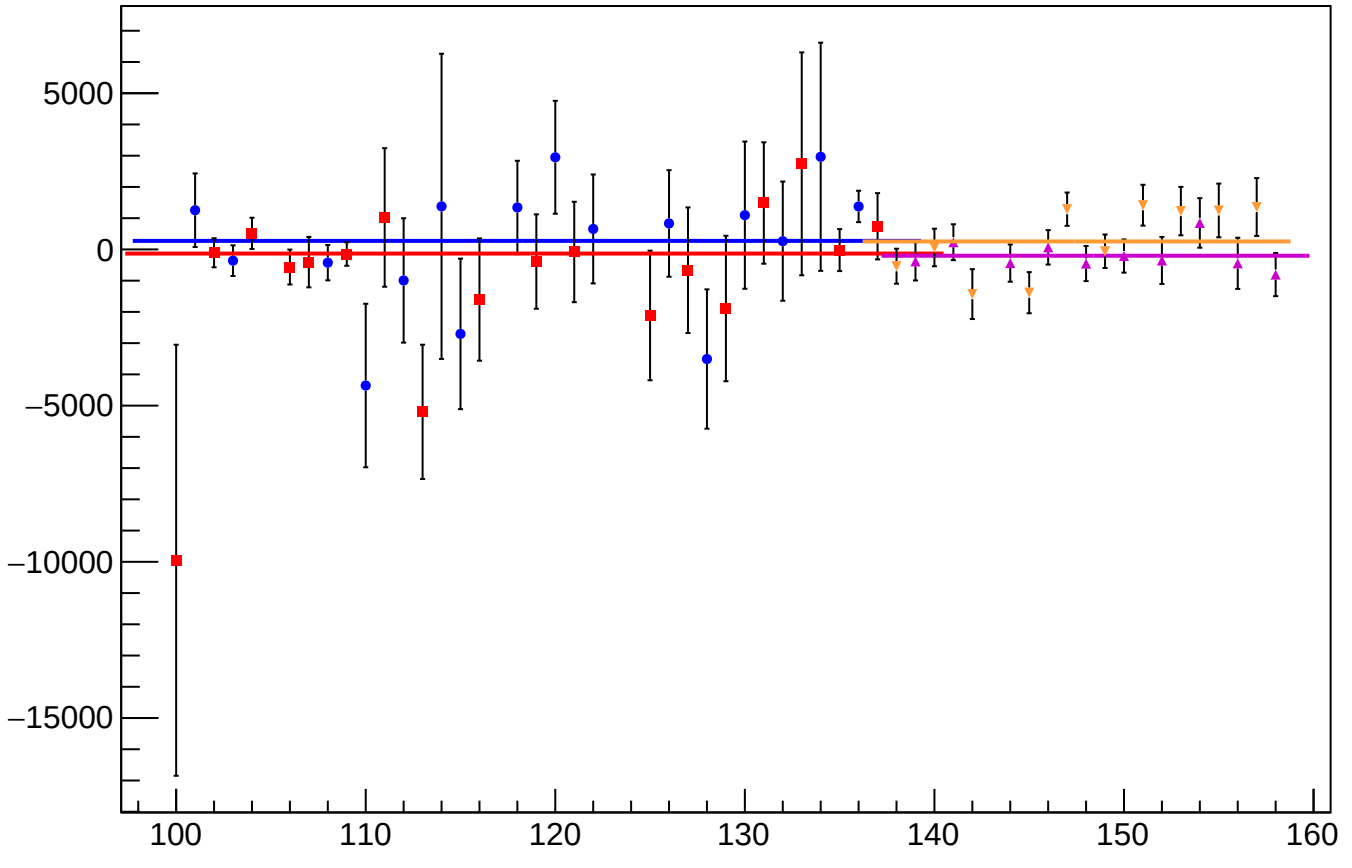
Left: 1622.205+/-0.282 χ^2/NDF: 137531.1/19

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1536.504+/-0.275 χ^2/NDF:649569.1/25

Out: 1522.852+/-0.281 χ^2/NDF:512234.3/27

All: 1529.824+/-0.196 χ^2/NDF: 1163009.9/53



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 255.453+/-206.926 χ^2/NDF:24.3/9

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -202.276+/-198.178 χ^2/NDF:3.9/9

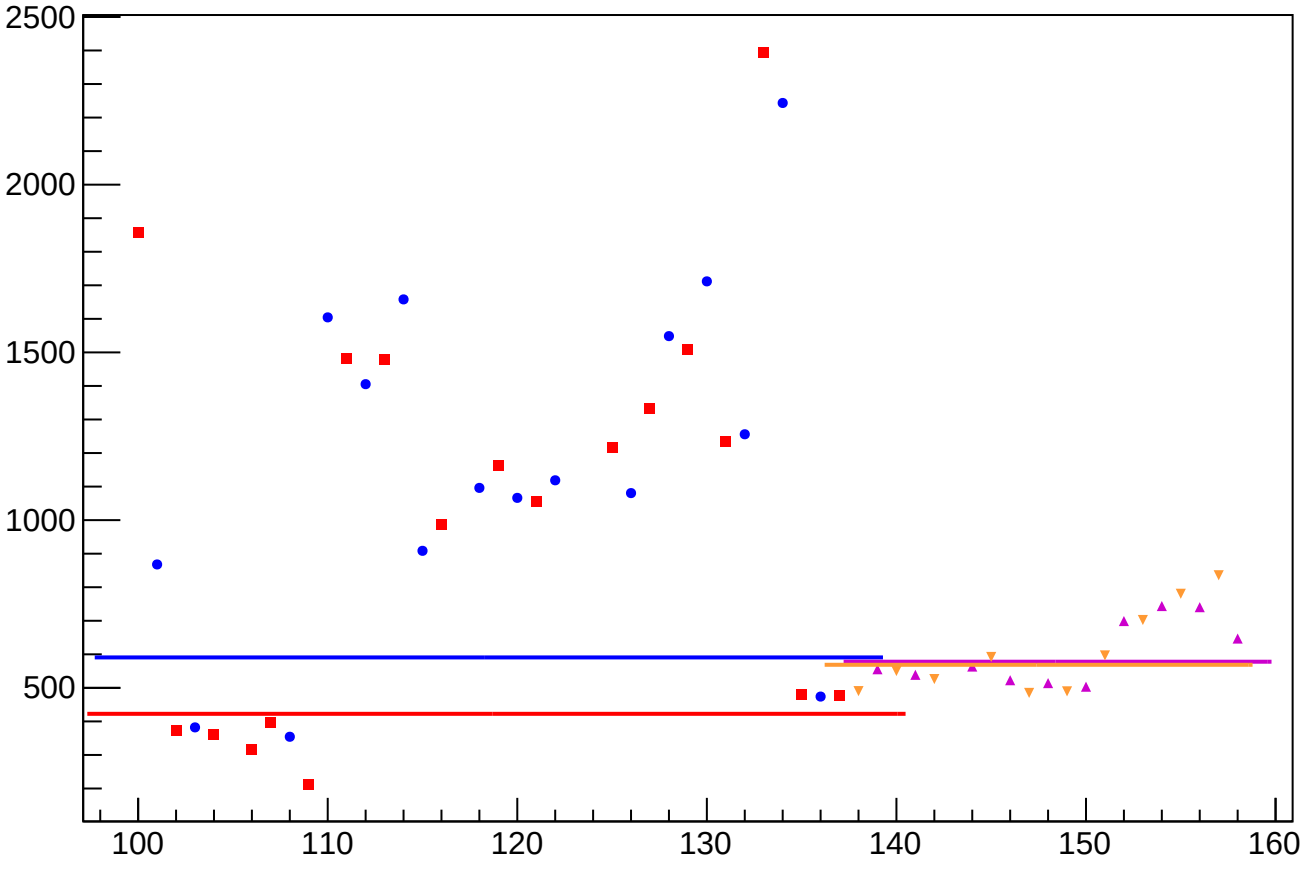
Left: 16.709+/-143.126 χ^2/NDF: 30.8/19

Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -27.915+/-157.732 χ^2/NDF:26.2/25

Out: 50.860+/-142.273 χ^2/NDF:40.6/27

All: 15.521+/-105.646 χ^2/NDF: 67.0/53



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 568.799+/-0.146 χ^2/NDF:493058.7/9

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 577.958+/-0.140 χ^2/NDF:336361.7/9

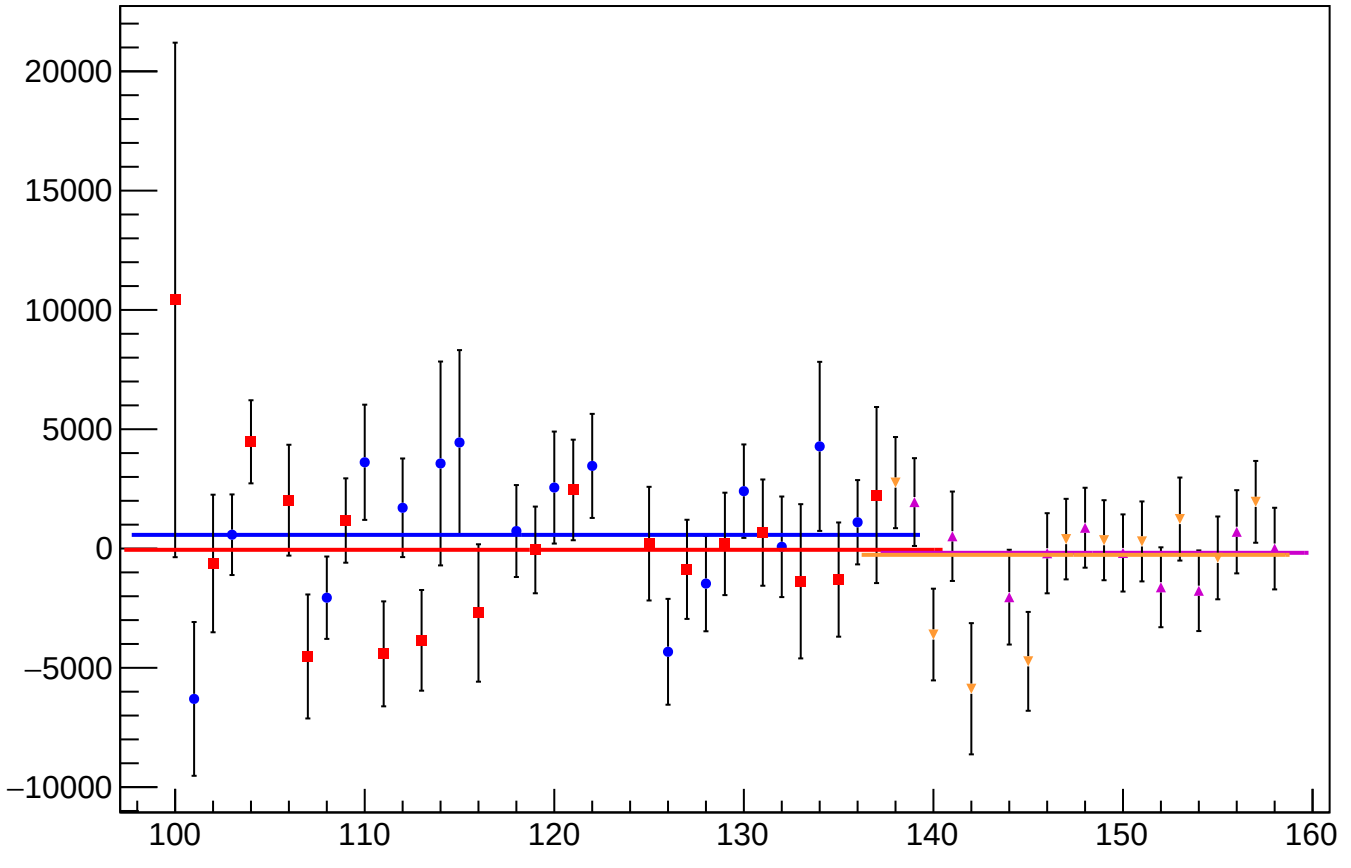
Left: 573.576+/-0.101 χ^2/NDF: 831463.9/19

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 582.646+/-0.112 χ^2/NDF:4224917.6/25

Out: 491.728+/-0.101 χ^2/NDF:5877272.2/27

All: 532.515+/-0.075 χ^2/NDF: 10468581.2/53



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -264.142+/-579.763 χ^2/NDF:17.2/9

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -179.813+/-550.097 χ^2/NDF:4.6/9

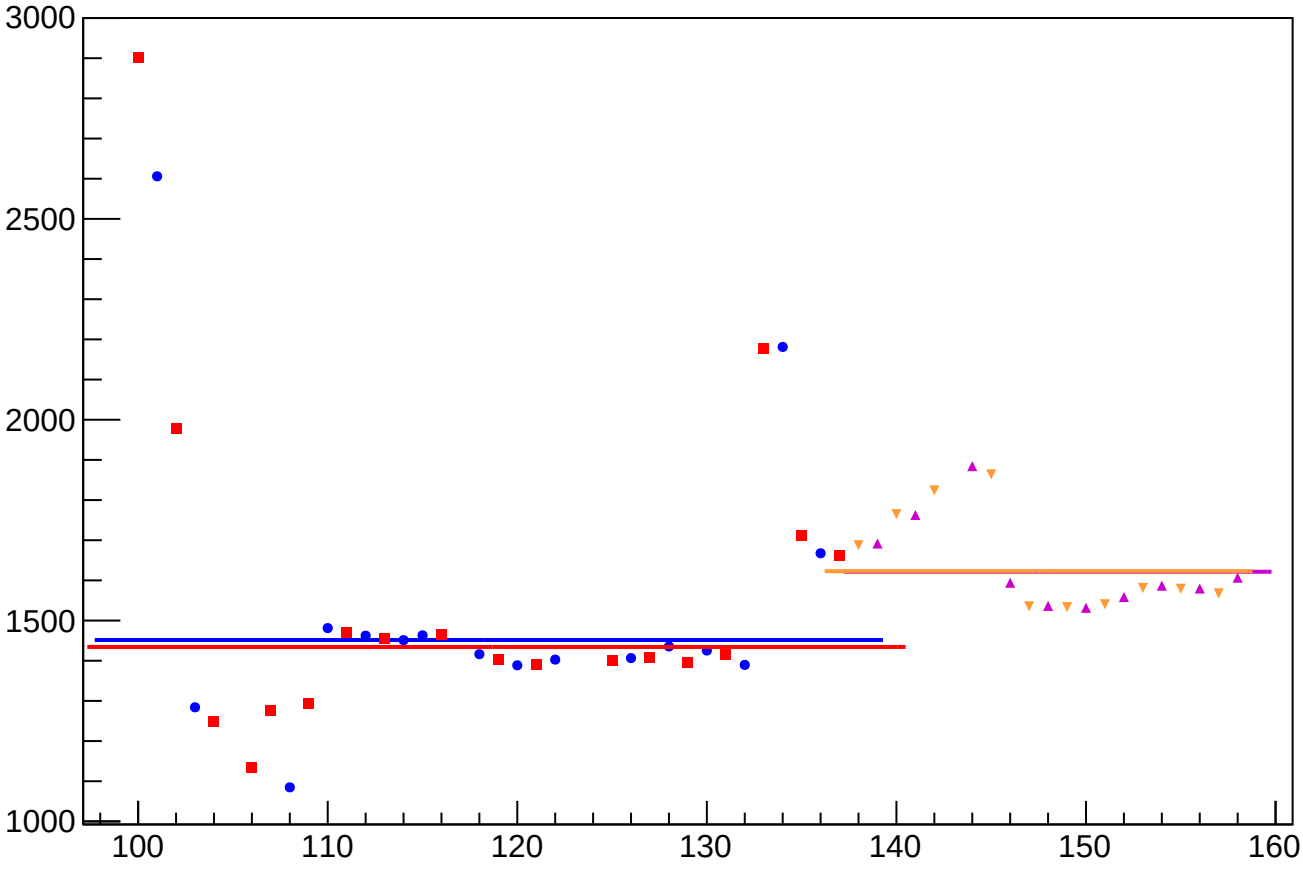
Left: -219.765+/-399.053 χ^2/NDF: 21.8/19

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 196.553+/-388.815 χ^2/NDF:26.4/25

Out: -152.519+/-397.231 χ^2/NDF:39.8/27

All: 25.754+/-277.861 χ^2/NDF: 66.5/53



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1622.908+/-0.410 χ^2/NDF:71368.6/9

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1621.572+/-0.389 χ^2/NDF:66157.2/9

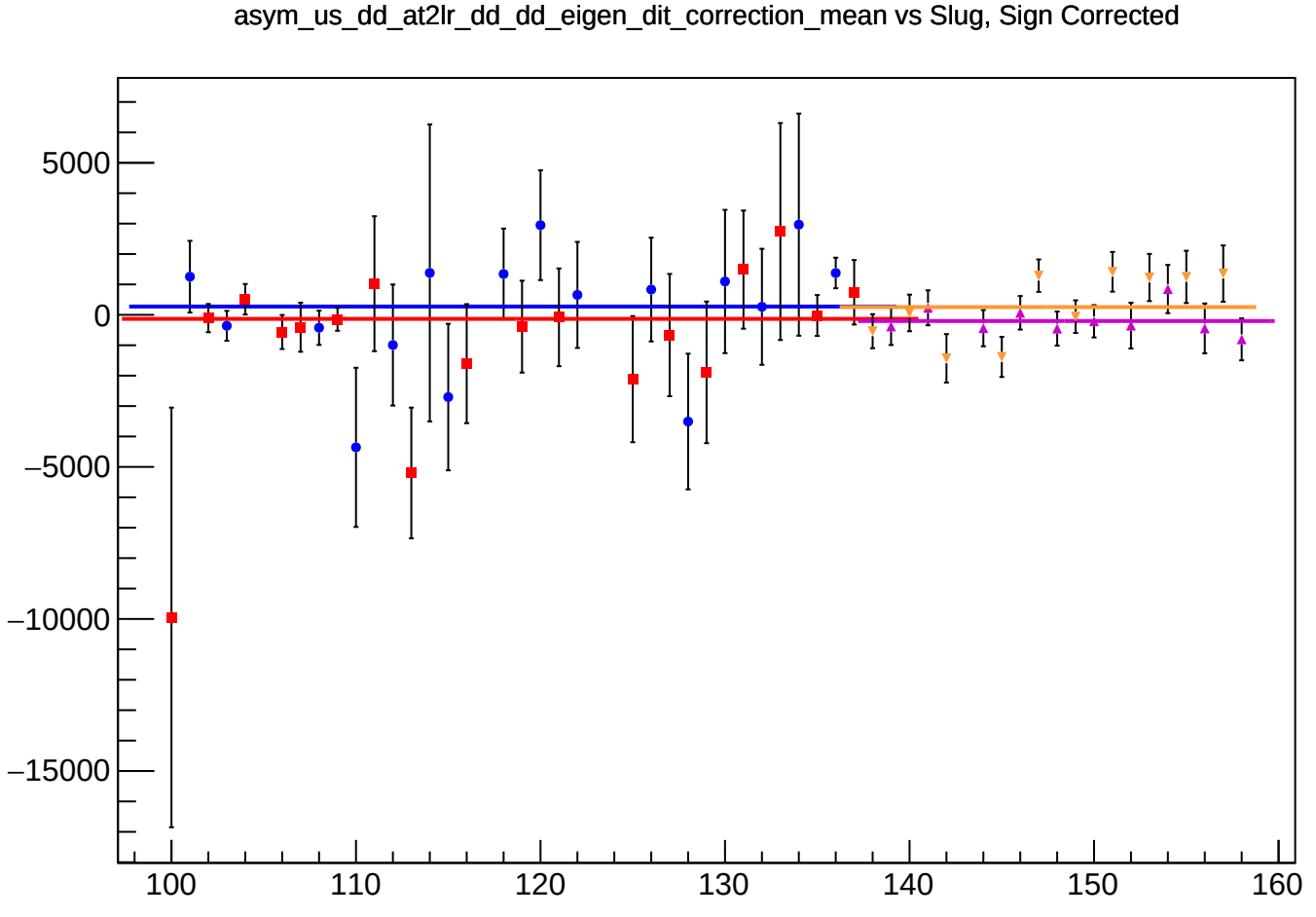
Left: 1622.205+/-0.282 χ^2/NDF: 137531.4/19

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1536.505+/-0.275 χ^2/NDF:649568.8/25

Out: 1522.852+/-0.281 χ^2/NDF:512234.7/27

All: 1529.824+/-0.196 χ^2/NDF: 1163010.0/53



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 255.461+/-206.927 χ^2/NDF:24.3/9

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -202.281+/-198.179 χ^2/NDF:3.9/9

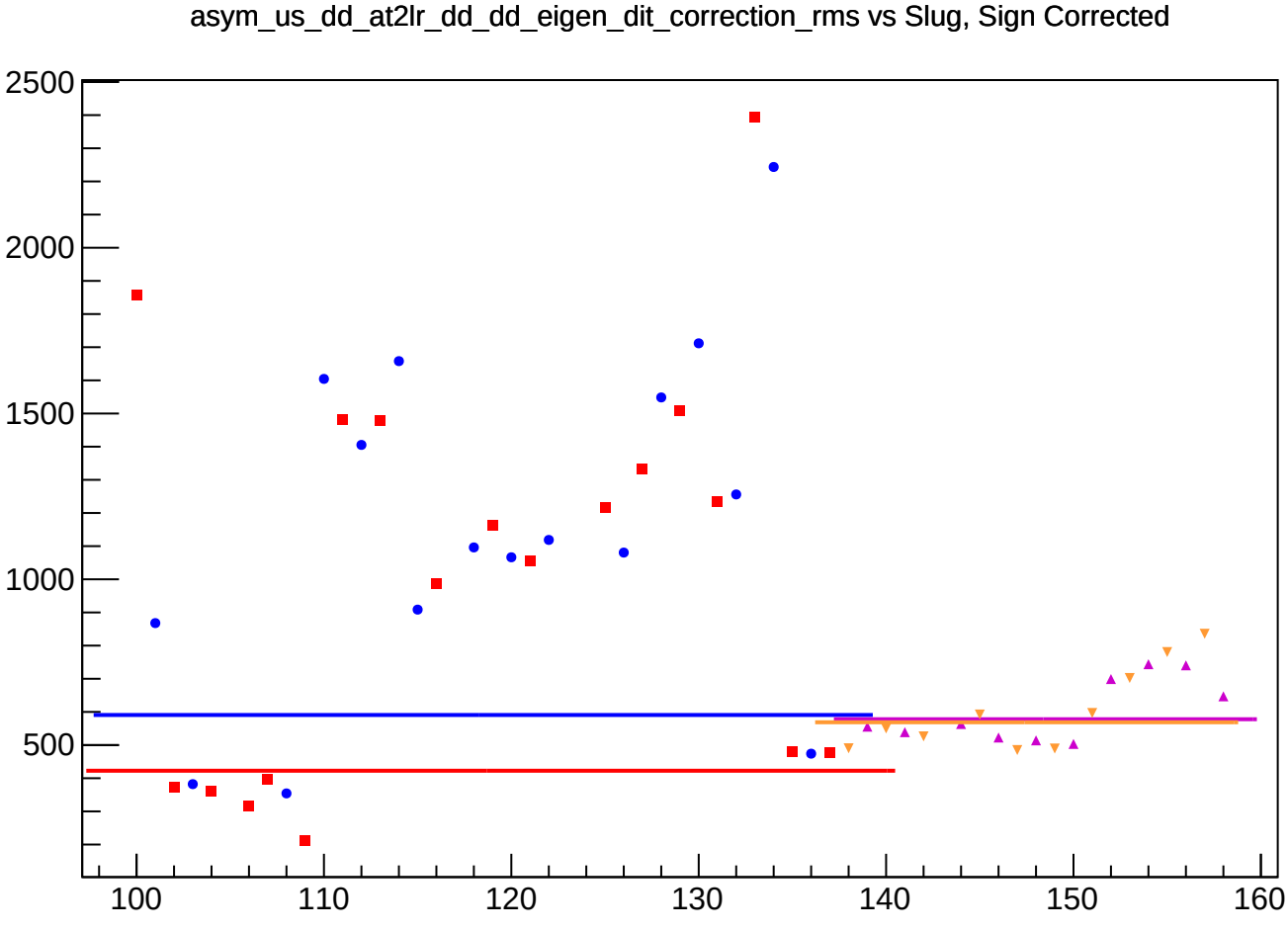
Left: 16.709+/-143.126 χ^2/NDF: 30.8/19

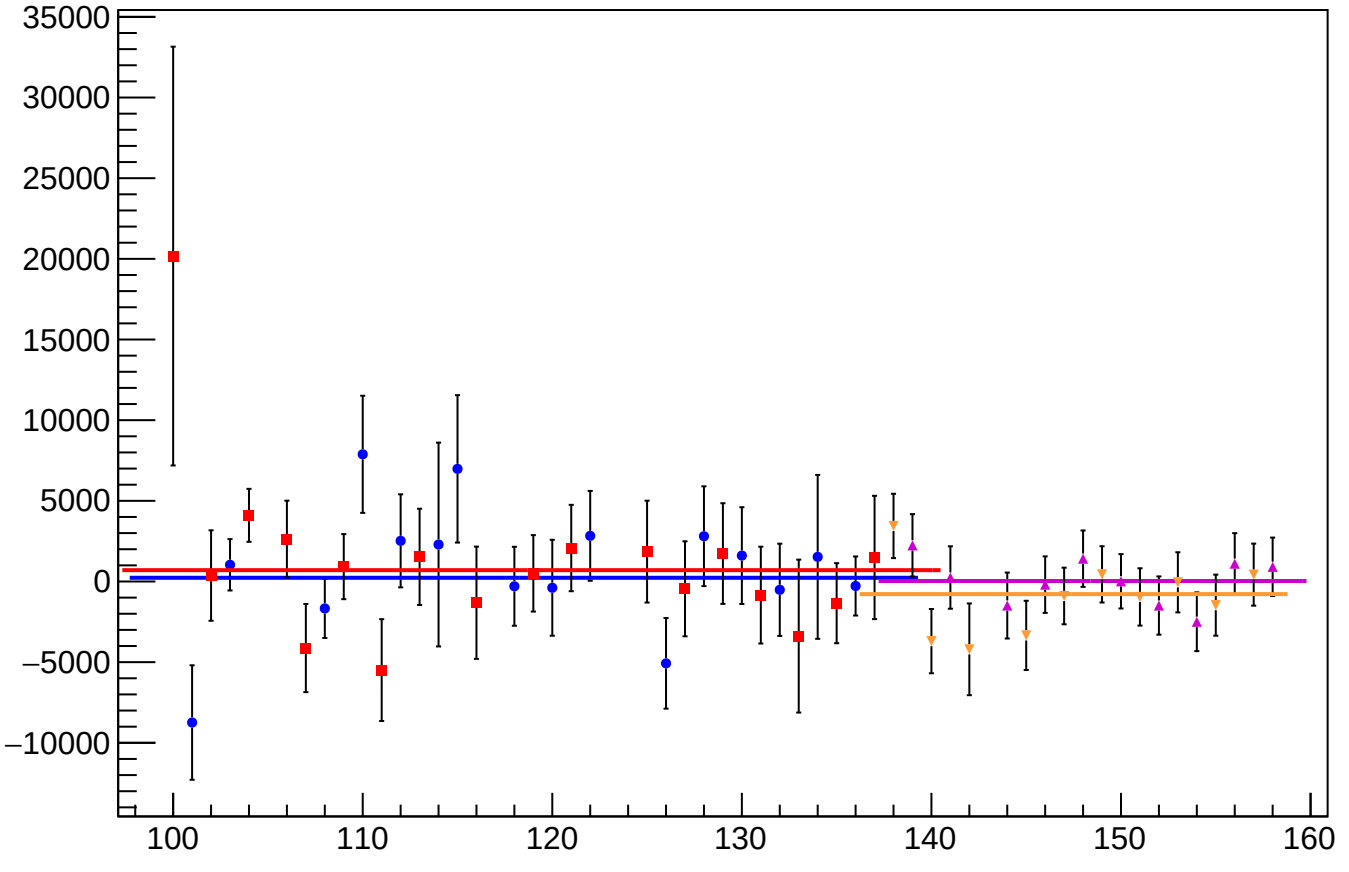
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -27.920+/-157.732 χ^2/NDF:26.2/25

Out: 50.867+/-142.274 χ^2/NDF:40.6/27

All: 15.522+/-105.647 χ^2/NDF: 67.0/53


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 590.747+/-0.184 χ²/NDF: 3885530.6/15
Left Out: 568.803+/-0.146 χ²/NDF:493057.8/9
Right Out: 422.634+/-0.139 χ²/NDF: 4857932.7/17
Left In: 577.959+/-0.140 χ²/NDF:336390.7/9
Left: 573.579+/-0.101 χ²/NDF: 831490.8/19
Right: 483.366+/-0.111 χ²/NDF: 9275354.4/33
In: 582.646+/-0.112 χ²/NDF:4224973.5/25
Out: 491.733+/-0.101 χ²/NDF:5877171.2/27
All: 532.518+/-0.075 χ²/NDF: 10468496.0/53



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -781.769+/-614.002 χ^2/NDF:10.7/9

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 29.593+/-580.119 χ^2/NDF:5.7/9

Left: -353.085+/-421.676 χ^2/NDF: 17.3/19

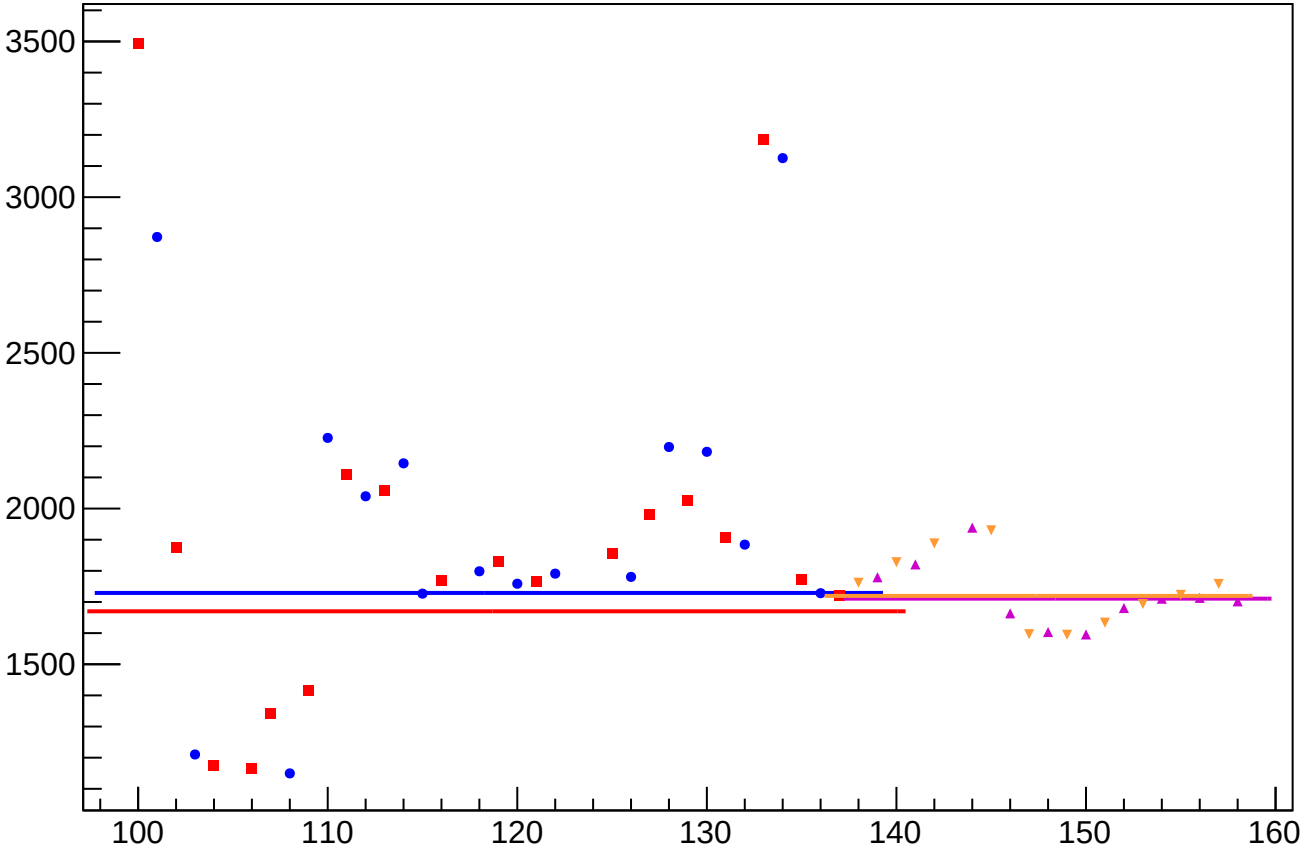
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 116.342+/-437.507 χ^2/NDF:26.5/25

Out: -80.066+/-445.803 χ^2/NDF:30.5/27

All: 19.983+/-312.256 χ^2/NDF: 57.1/53

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1719.572+/-0.434 χ^2/NDF:59077.4/9

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1710.743+/-0.410 χ^2/NDF:52774.9/9

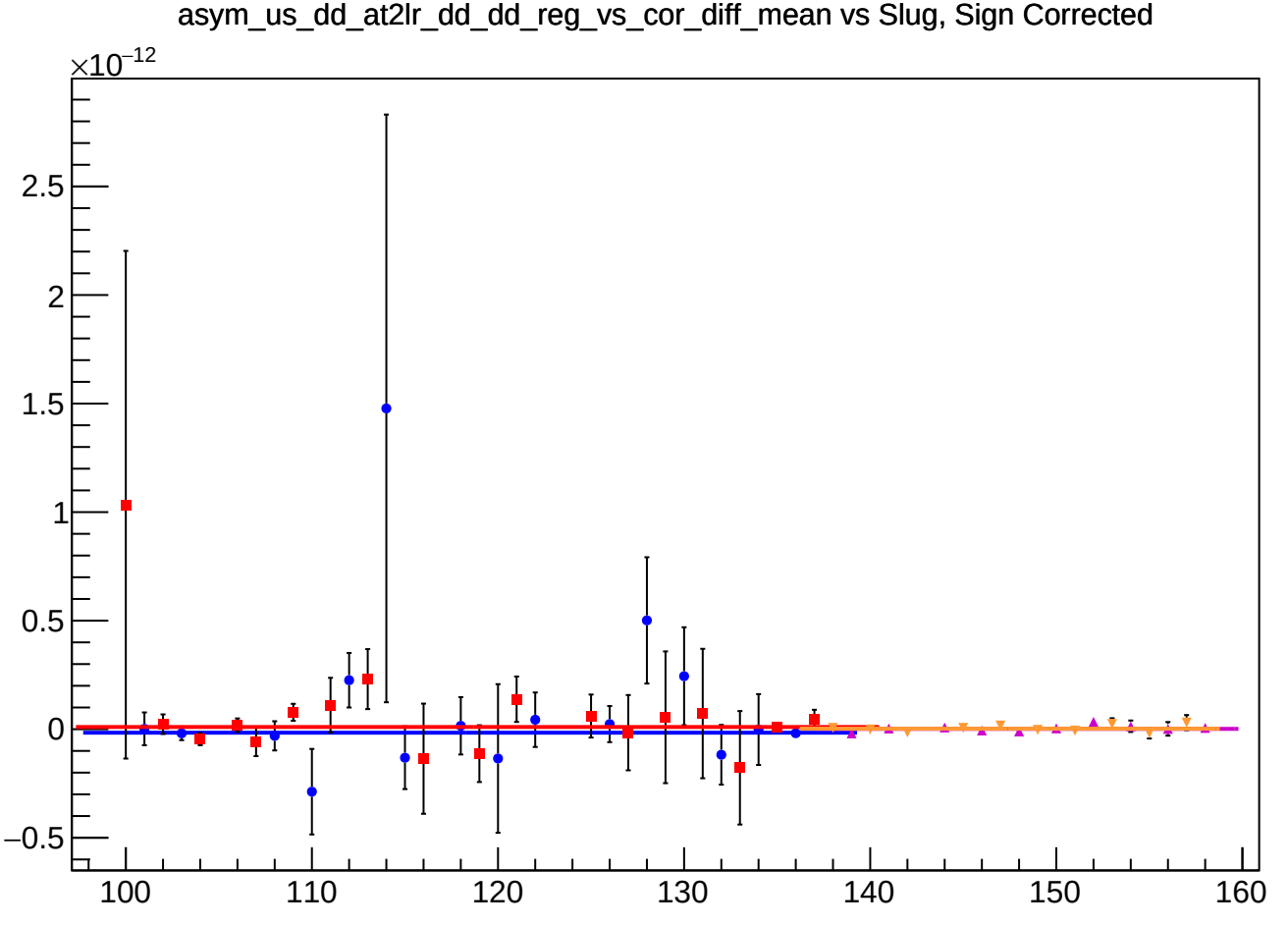
Left: 1714.907+/-0.298 χ^2/NDF: 112070.9/19

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1718.637+/-0.309 χ^2/NDF:995712.9/25

Out: 1696.159+/-0.315 χ^2/NDF:809679.7/27

All: 1707.609+/-0.221 χ^2/NDF: 1807982.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

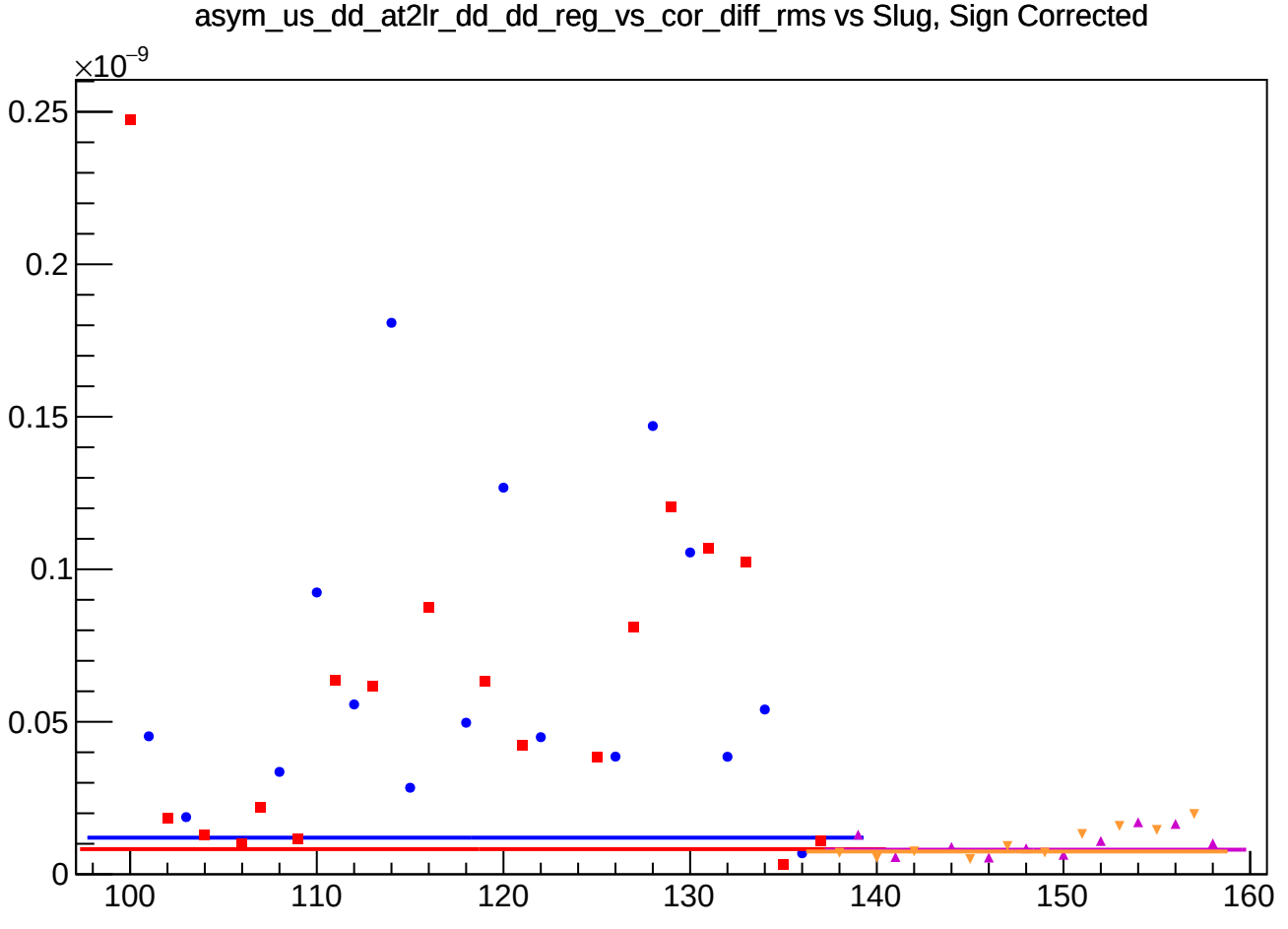
Left: 0.000+/-0.000 χ^2/NDF: 10.5/19

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:21.6/25

Out: 0.000+/-0.000 χ^2/NDF:21.6/27

All: 0.000+/-0.000 χ^2/NDF: 44.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1050833.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:899737.4/9

Left: 0.000+/-0.000 χ^2/NDF: 1967094.8/19

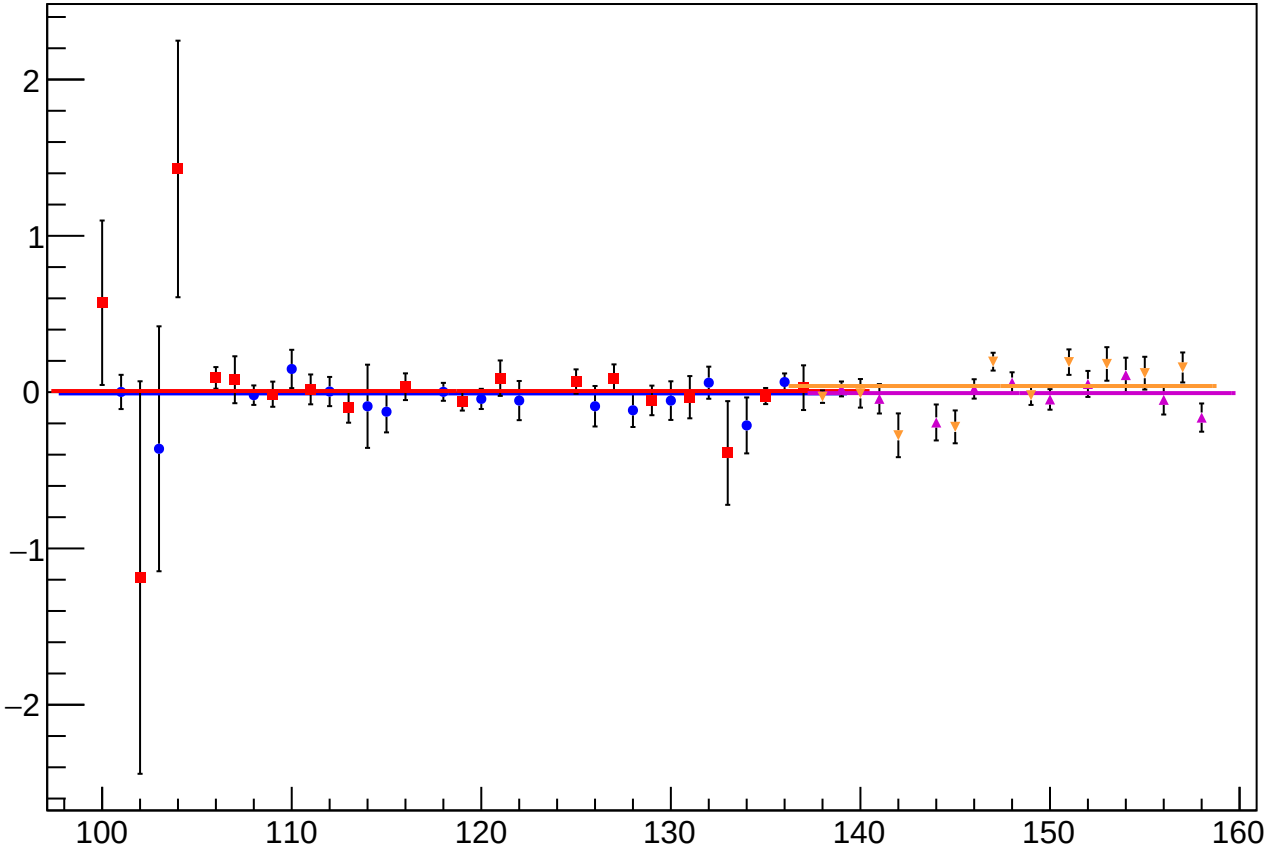
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4573001.2/25

Out: 0.000+/-0.000 χ^2/NDF:4573412.9/27

All: 0.000+/-0.000 χ^2/NDF: 9212545.5/53

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: 0.039+/-0.023 χ^2/NDF:30.2/9

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.023 χ^2/NDF:9.5/9

Left: 0.017+/-0.016 χ^2/NDF: 41.6/19

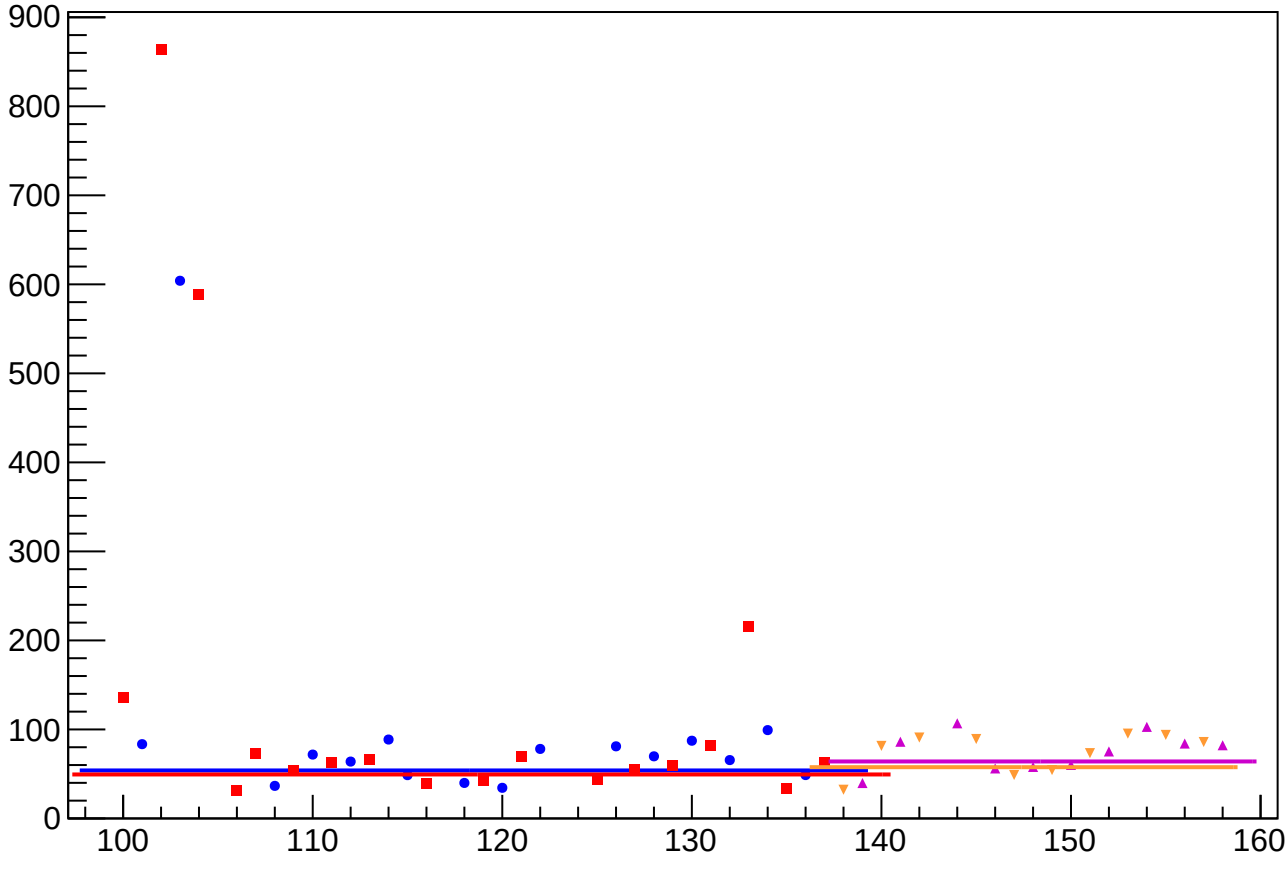
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.016 χ^2/NDF:17.8/25

Out: 0.023+/-0.016 χ^2/NDF:44.9/27

All: 0.008+/-0.011 χ^2/NDF: 64.4/53

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: 57.594+/-0.016 χ^2/NDF:2023377.0/9

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 64.027+/-0.017 χ^2/NDF:1416271.7/9

Left: 60.739+/-0.012 χ^2/NDF: 3516261.2/19

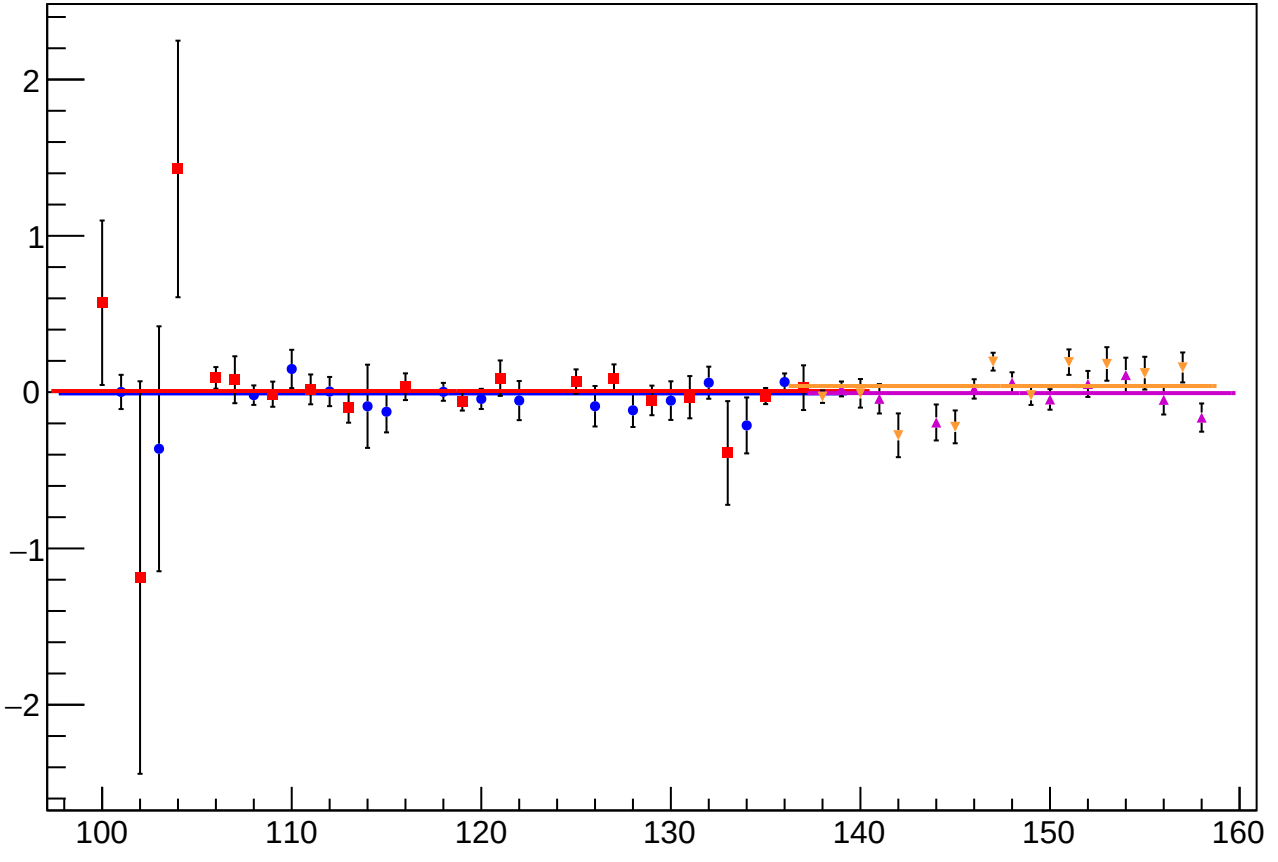
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 58.892+/-0.012 χ^2/NDF:3818496.2/25

Out: 53.370+/-0.011 χ^2/NDF:5171871.4/27

All: 56.046+/-0.008 χ^2/NDF: 9106144.8/53

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: 0.039+/-0.023 χ^2/NDF:30.2/9

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.023 χ^2/NDF:9.5/9

Left: 0.017+/-0.016 χ^2/NDF: 41.6/19

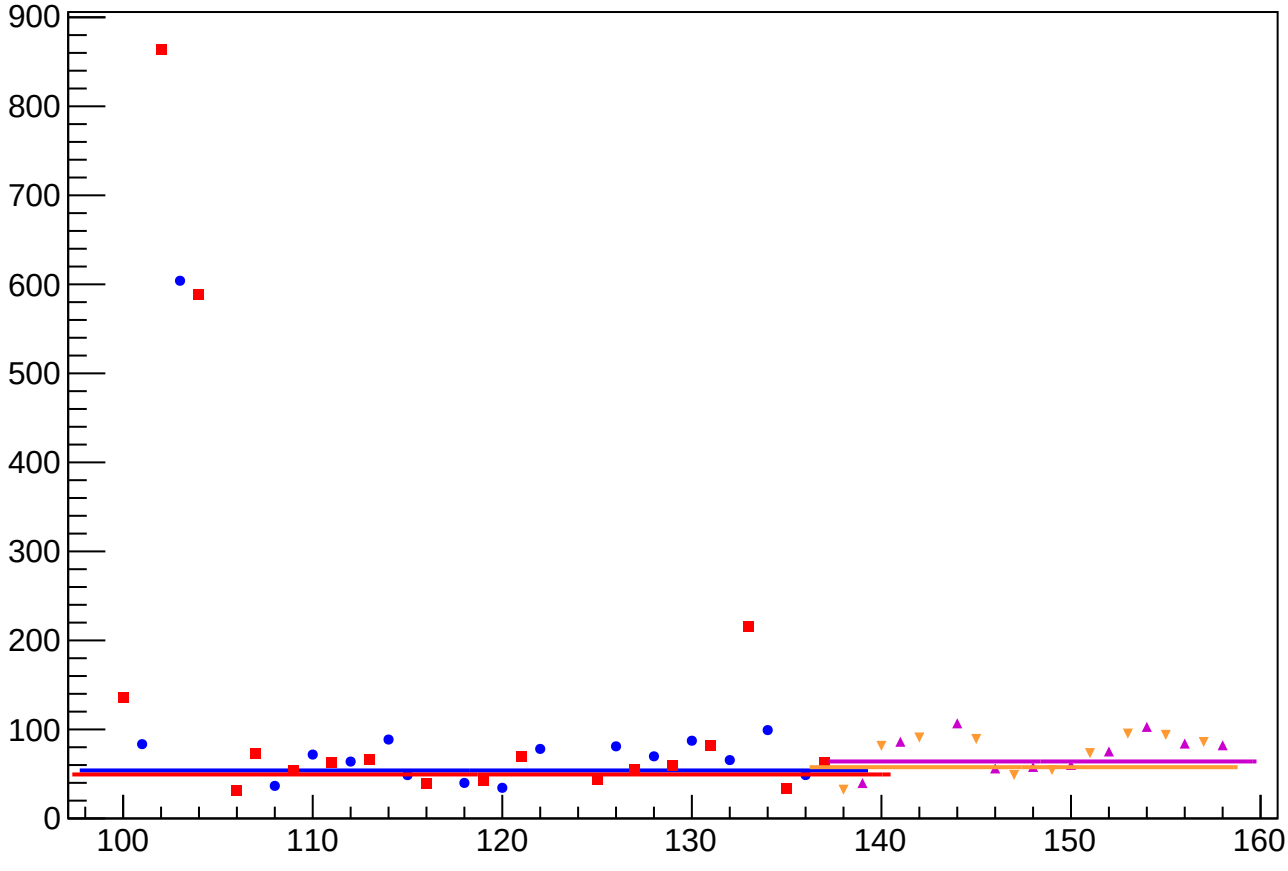
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.016 χ^2/NDF:17.8/25

Out: 0.023+/-0.016 χ^2/NDF:44.9/27

All: 0.008+/-0.011 χ^2/NDF: 64.4/53

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: 57.594+/-0.016 χ^2/NDF:2023377.0/9

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 64.027+/-0.017 χ^2/NDF:1416271.7/9

Left: 60.739+/-0.012 χ^2/NDF: 3516261.2/19

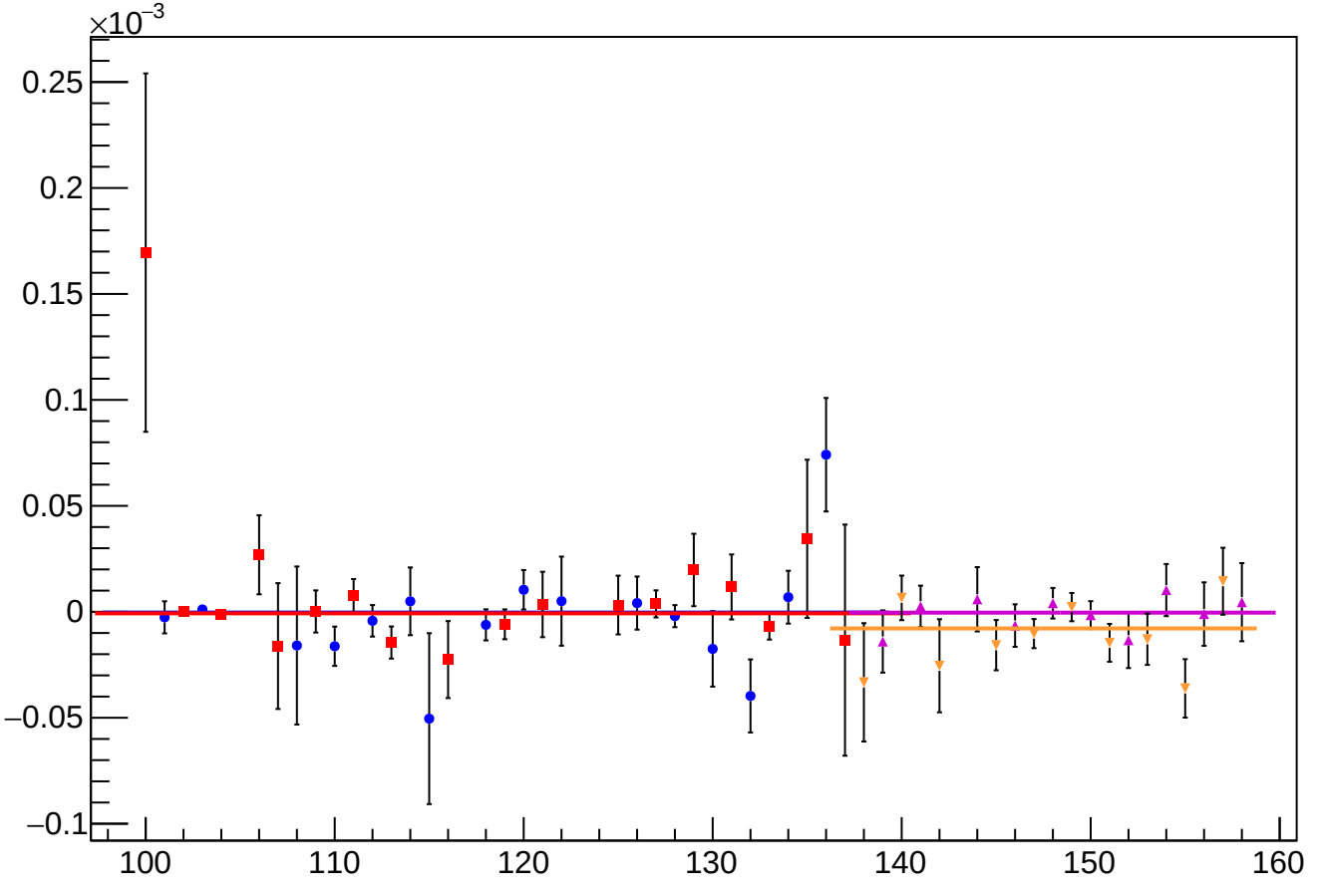
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 58.892+/-0.012 χ^2/NDF:3818496.2/25

Out: 53.370+/-0.011 χ^2/NDF:5171871.4/27

All: 56.046+/-0.008 χ^2/NDF: 9106144.8/53

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:3.7/9

Left: -0.000+/-0.000 χ^2/NDF: 19.4/19

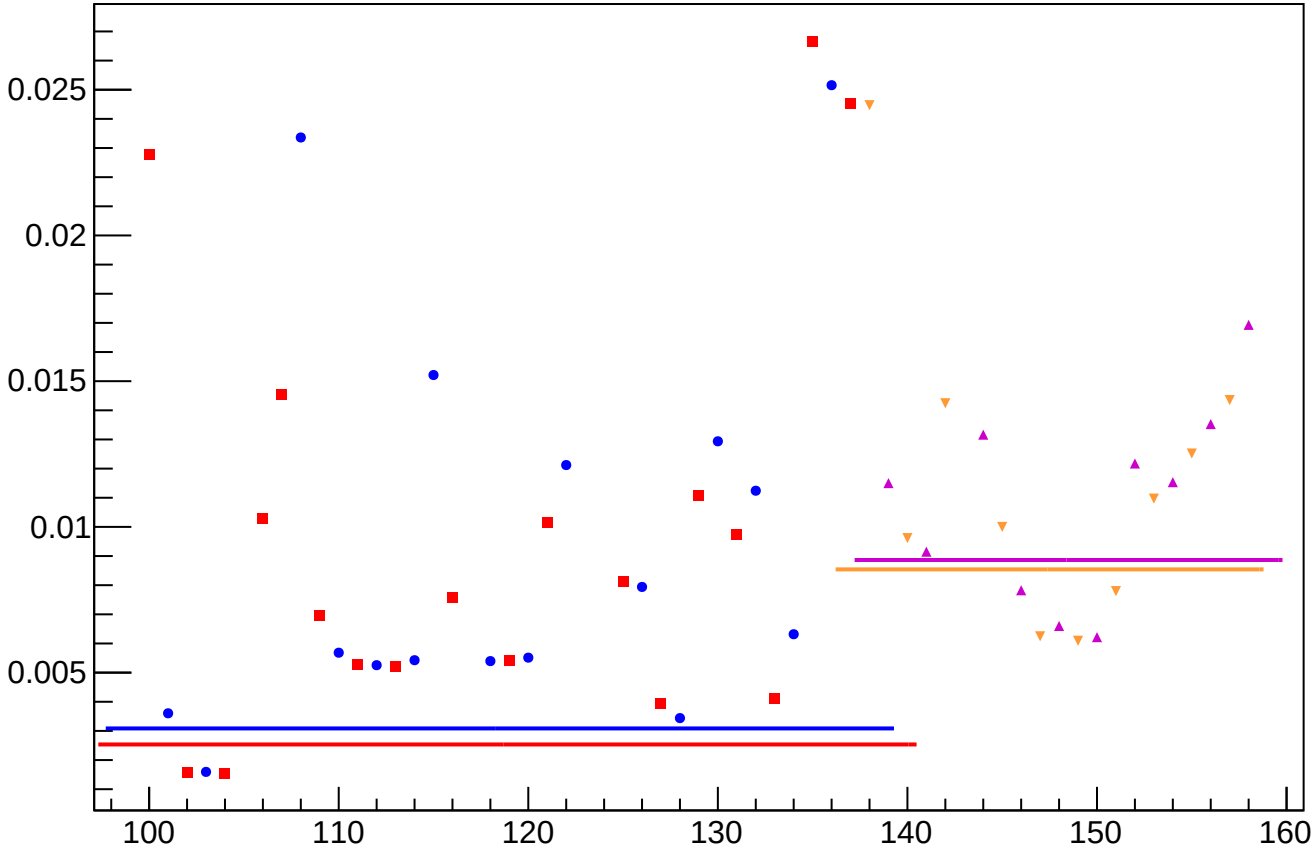
Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:25.8/25

Out: -0.000+/-0.000 χ^2/NDF:35.1/27

All: -0.000+/-0.000 χ^2/NDF: 61.3/53

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1861111.6/9

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1568430.7/9

Left: 0.009+/-0.000 χ^2/NDF: 3439071.1/19

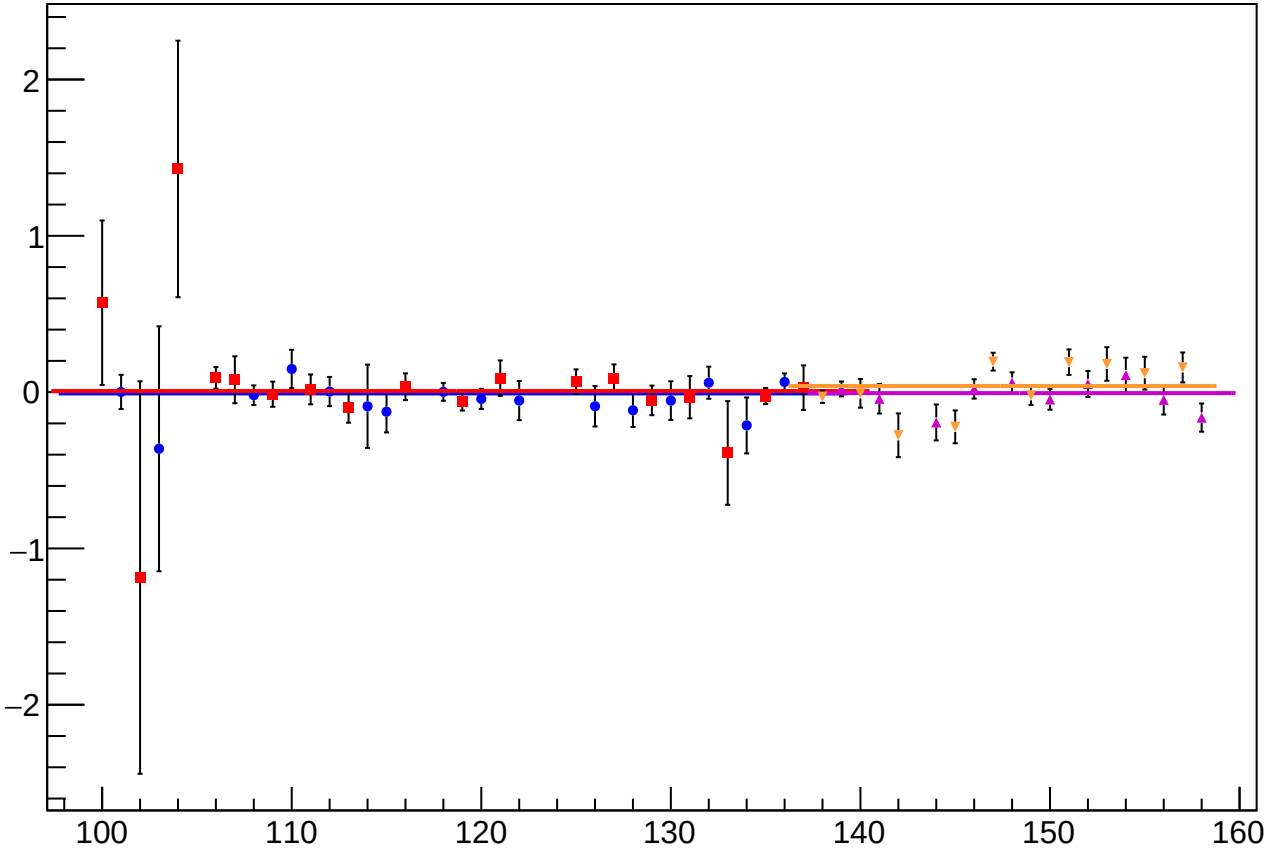
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:12281411.1/25

Out: 0.003+/-0.000 χ^2/NDF:13873636.9/27

All: 0.004+/-0.000 χ^2/NDF: 26612539.8/53

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: 0.039+/-0.023 χ^2/NDF:30.2/9

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.023 χ^2/NDF:9.5/9

Left: 0.017+/-0.016 χ^2/NDF: 41.6/19

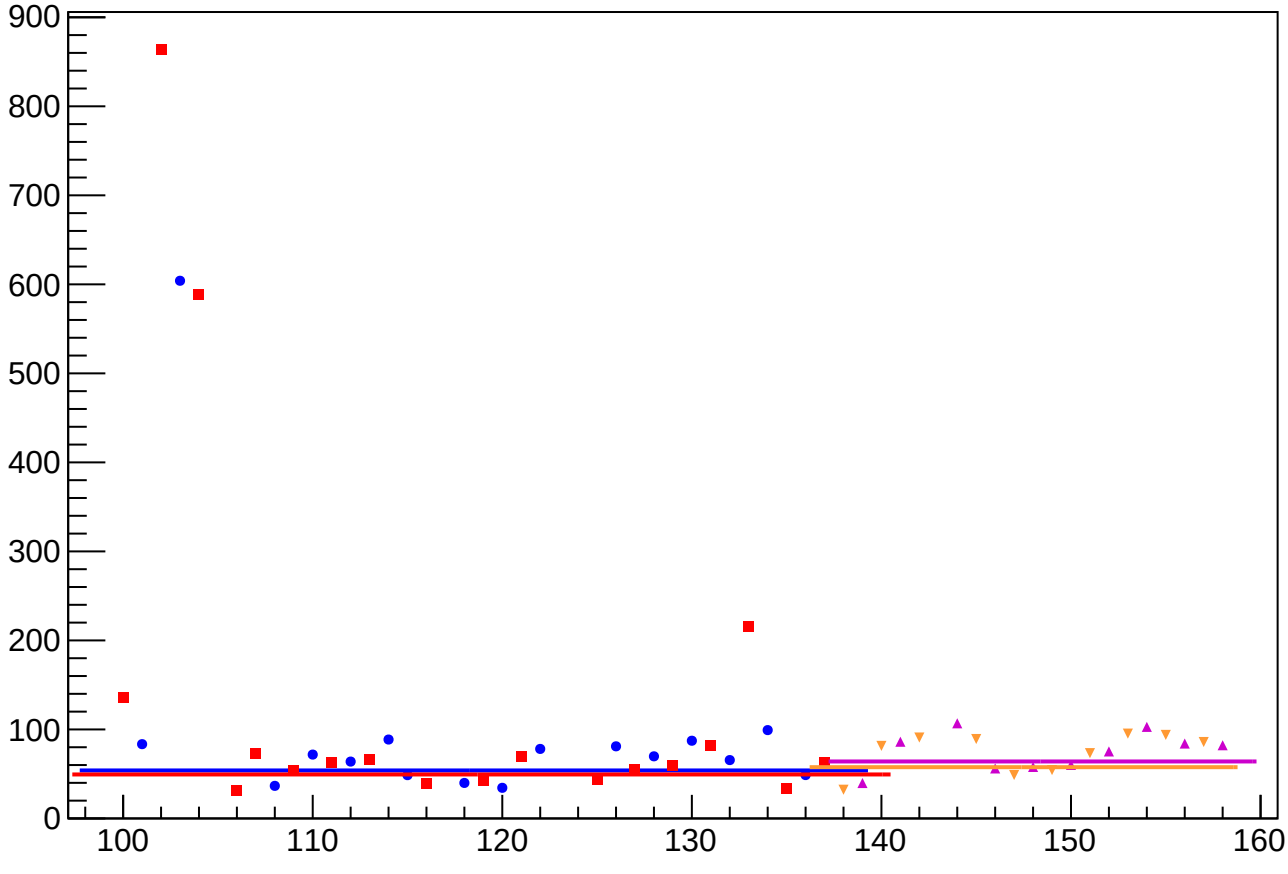
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.016 χ^2/NDF:17.8/25

Out: 0.023+/-0.016 χ^2/NDF:44.9/27

All: 0.008+/-0.011 χ^2/NDF: 64.4/53

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: 57.599+/-0.016 χ^2/NDF:2022697.3/9

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 64.027+/-0.017 χ^2/NDF:1416457.6/9

Left: 60.741+/-0.012 χ^2/NDF: 3515653.9/19

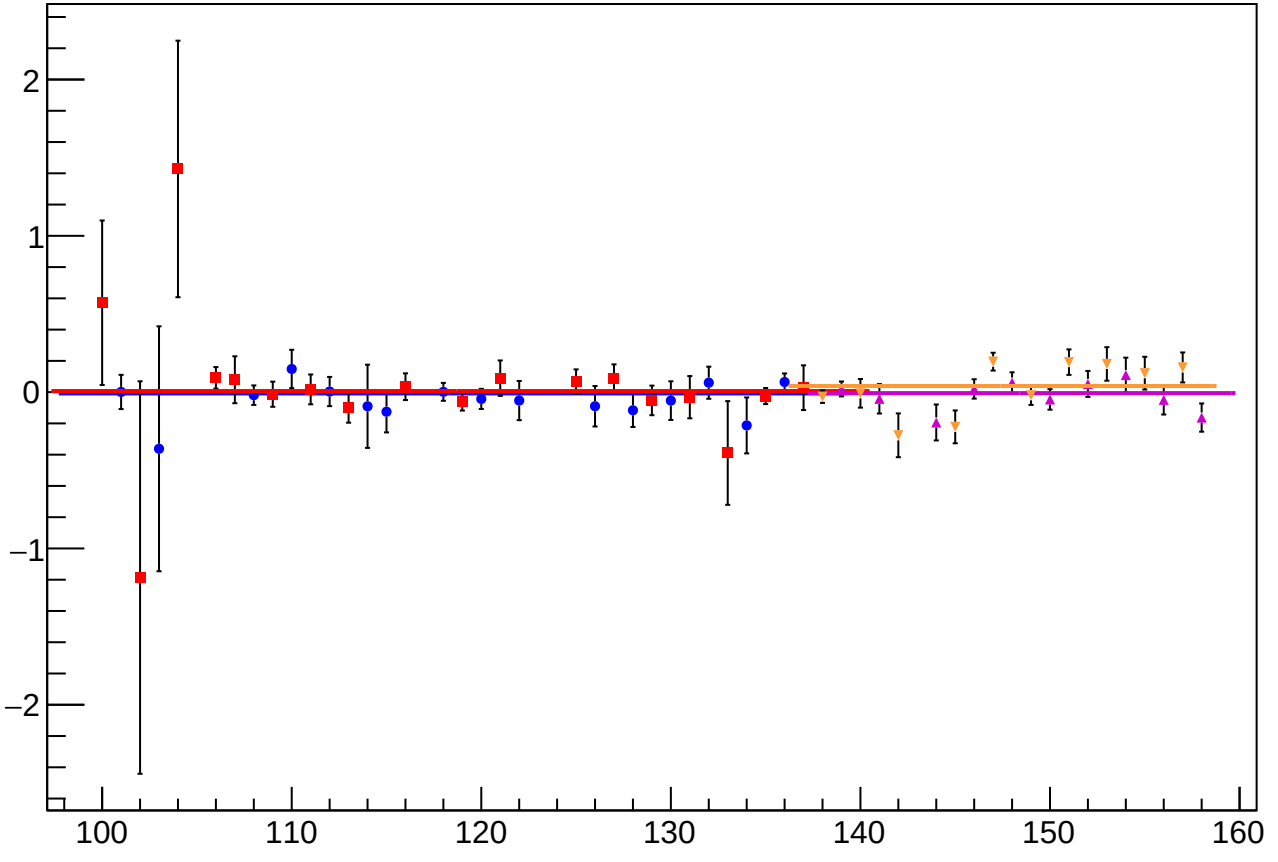
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 58.894+/-0.012 χ^2/NDF:3818132.0/25

Out: 53.373+/-0.011 χ^2/NDF:5170970.0/27

All: 56.048+/-0.008 χ^2/NDF: 9104819.4/53

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: 0.039+/-0.023 χ^2/NDF:30.2/9

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.023 χ^2/NDF:9.5/9

Left: 0.017+/-0.016 χ^2/NDF: 41.6/19

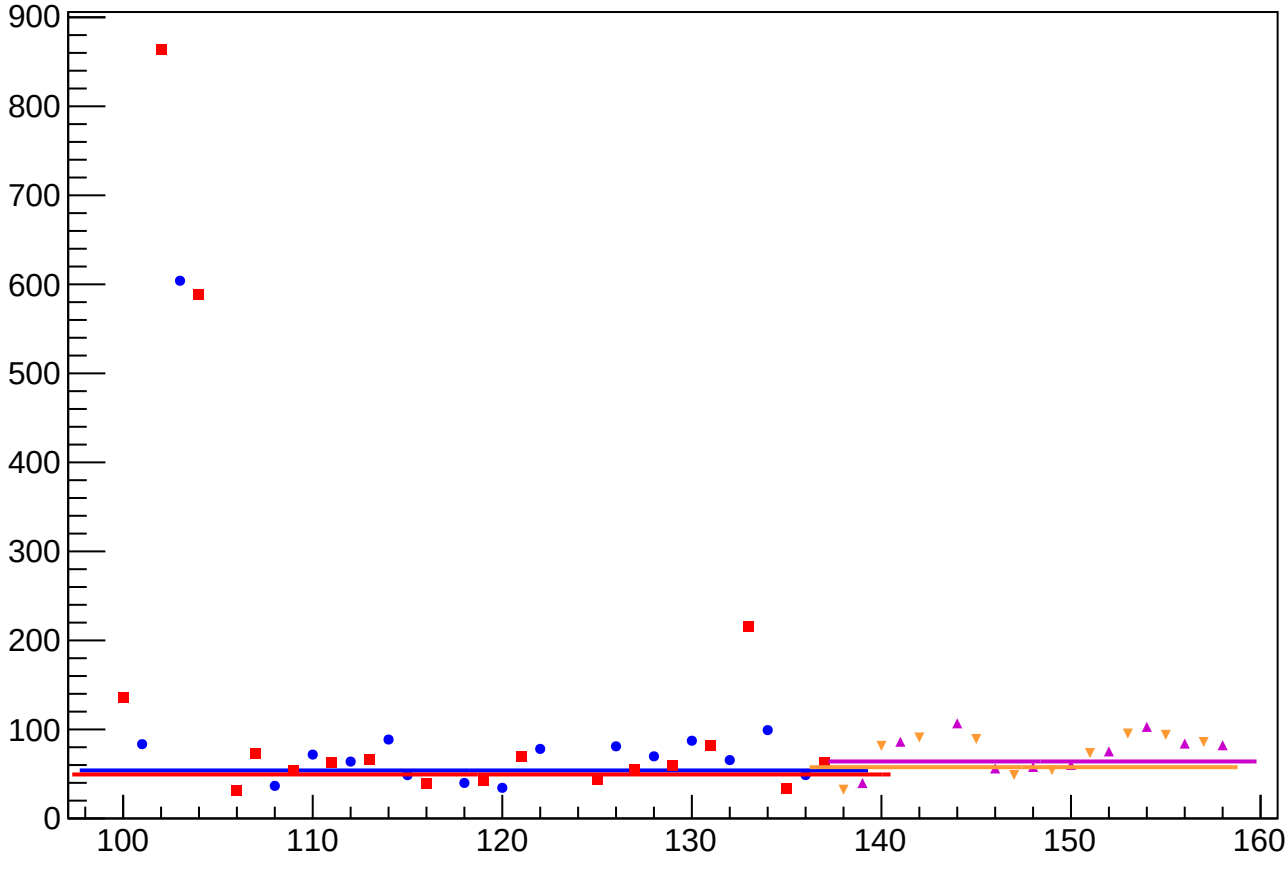
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.016 χ^2/NDF:17.8/25

Out: 0.023+/-0.016 χ^2/NDF:44.9/27

All: 0.008+/-0.011 χ^2/NDF: 64.4/53

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: 57.599+/-0.016 χ^2/NDF:2022697.3/9

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 64.027+/-0.017 χ^2/NDF:1416457.6/9

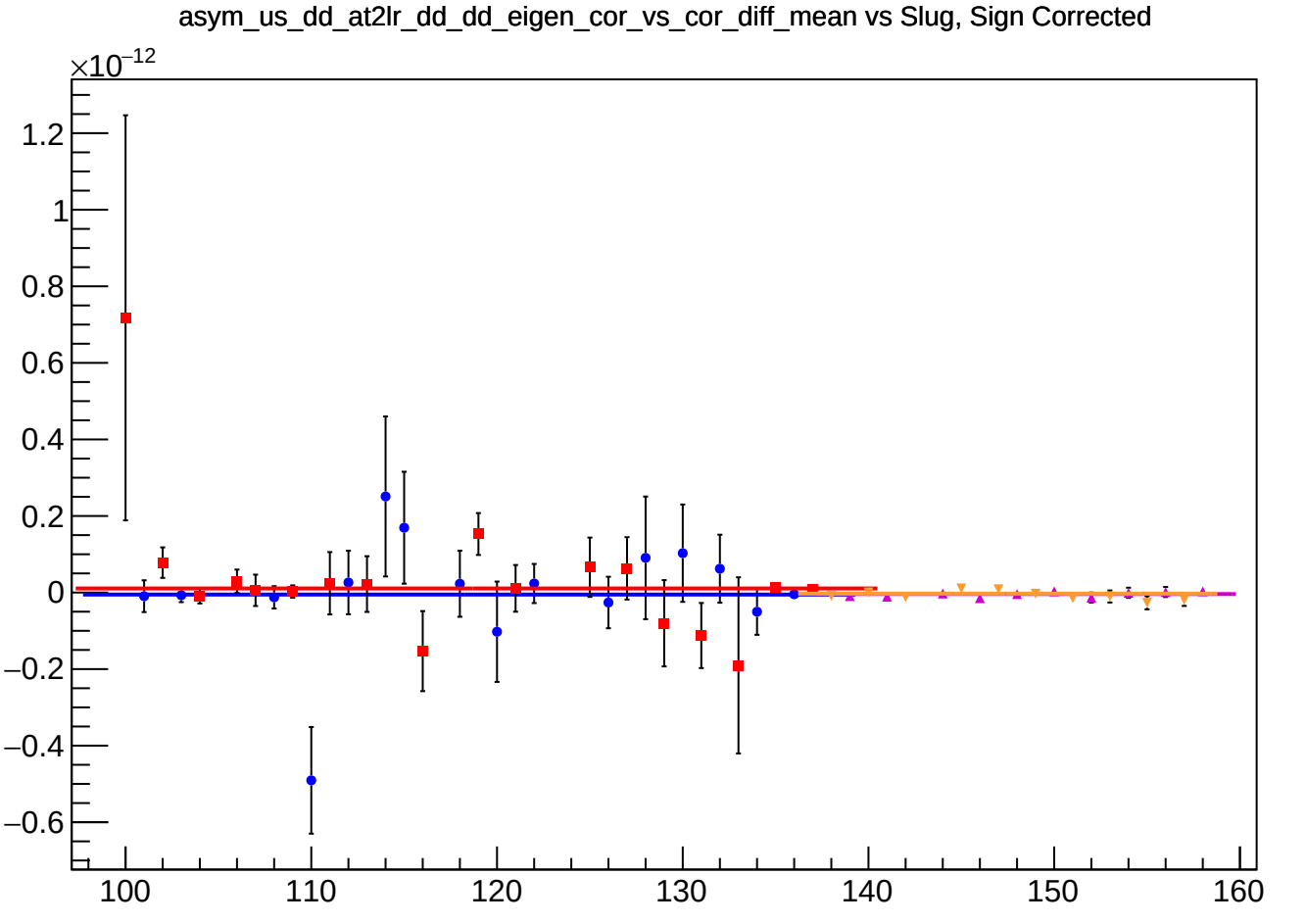
Left: 60.741+/-0.012 χ^2/NDF: 3515653.9/19

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 58.894+/-0.012 χ^2/NDF:3818132.0/25

Out: 53.373+/-0.011 χ^2/NDF:5170970.0/27

All: 56.048+/-0.008 χ^2/NDF: 9104819.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.3/9

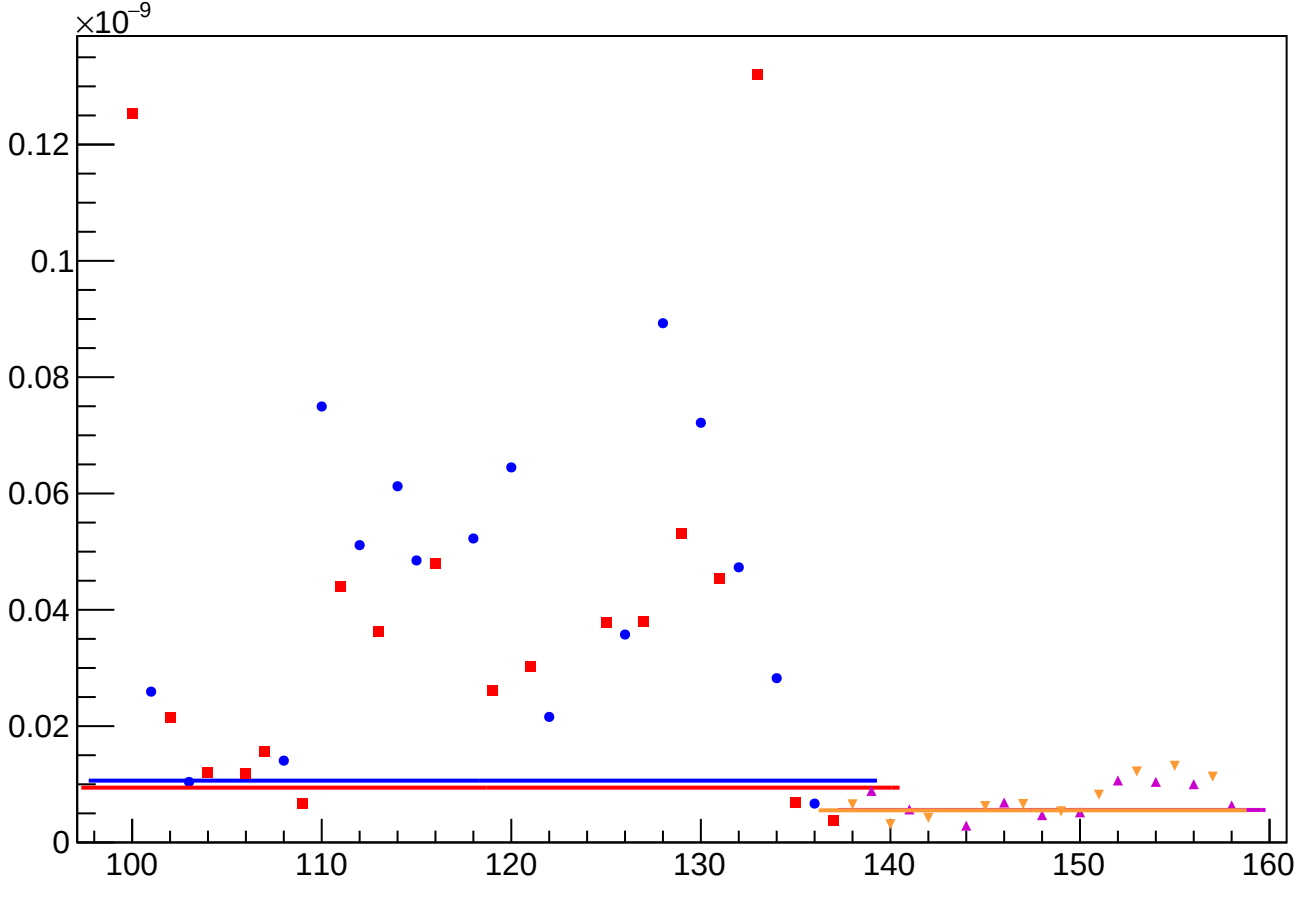
Left: -0.000+/-0.000 χ^2/NDF: 16.3/19

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:23.9/25

Out: -0.000+/-0.000 χ^2/NDF:34.7/27

All: -0.000+/-0.000 χ^2/NDF: 59.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1813844.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1661582.3/9

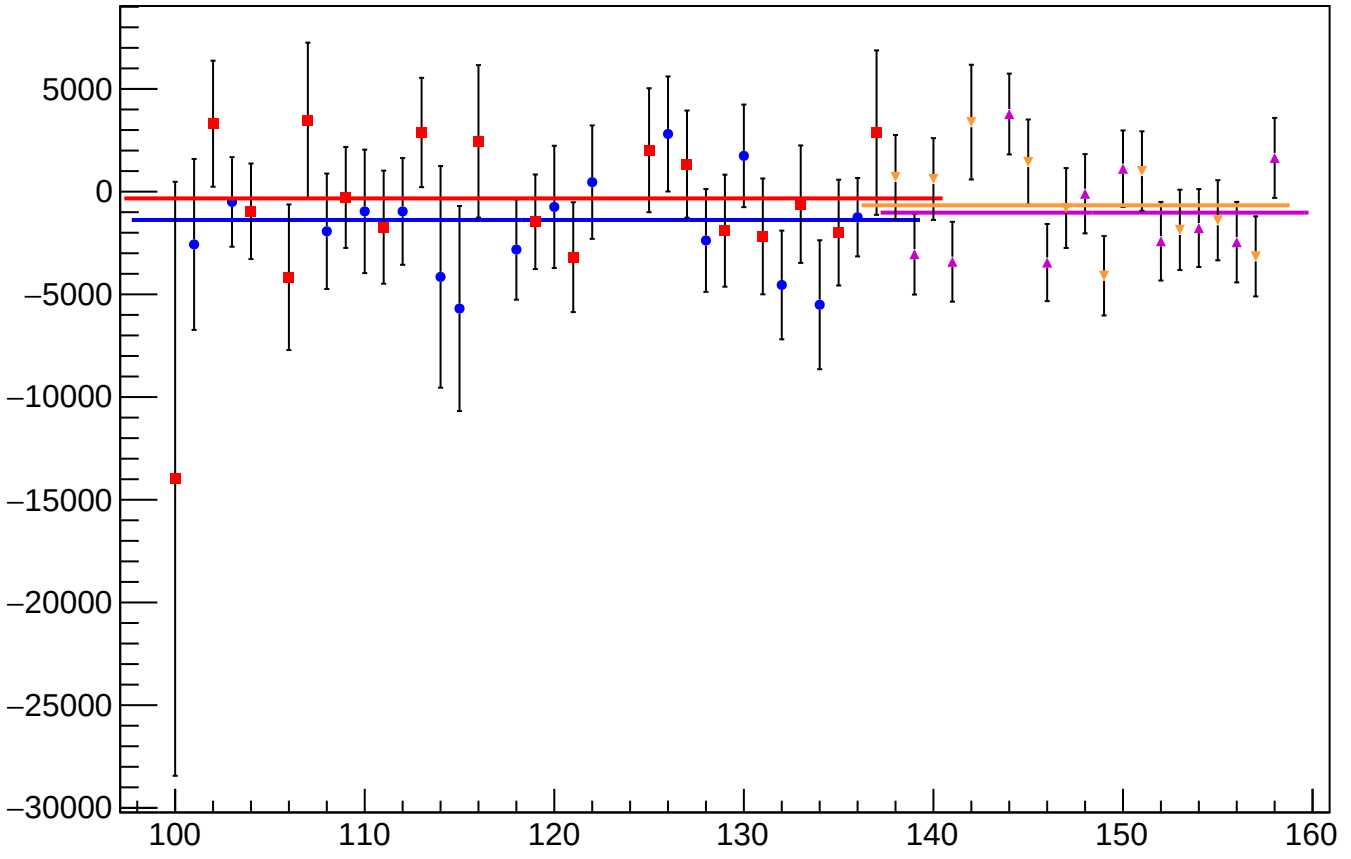
Left: 0.000+/-0.000 χ^2/NDF: 3476037.3/19

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:7173110.8/25

Out: 0.000+/-0.000 χ^2/NDF:6465657.0/27

All: 0.000+/-0.000 χ^2/NDF: 13640754.1/53



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -665.195+/-640.220 χ^2/NDF:10.0/9

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -1022.130+/-608.995 χ^2/NDF:14.8/9

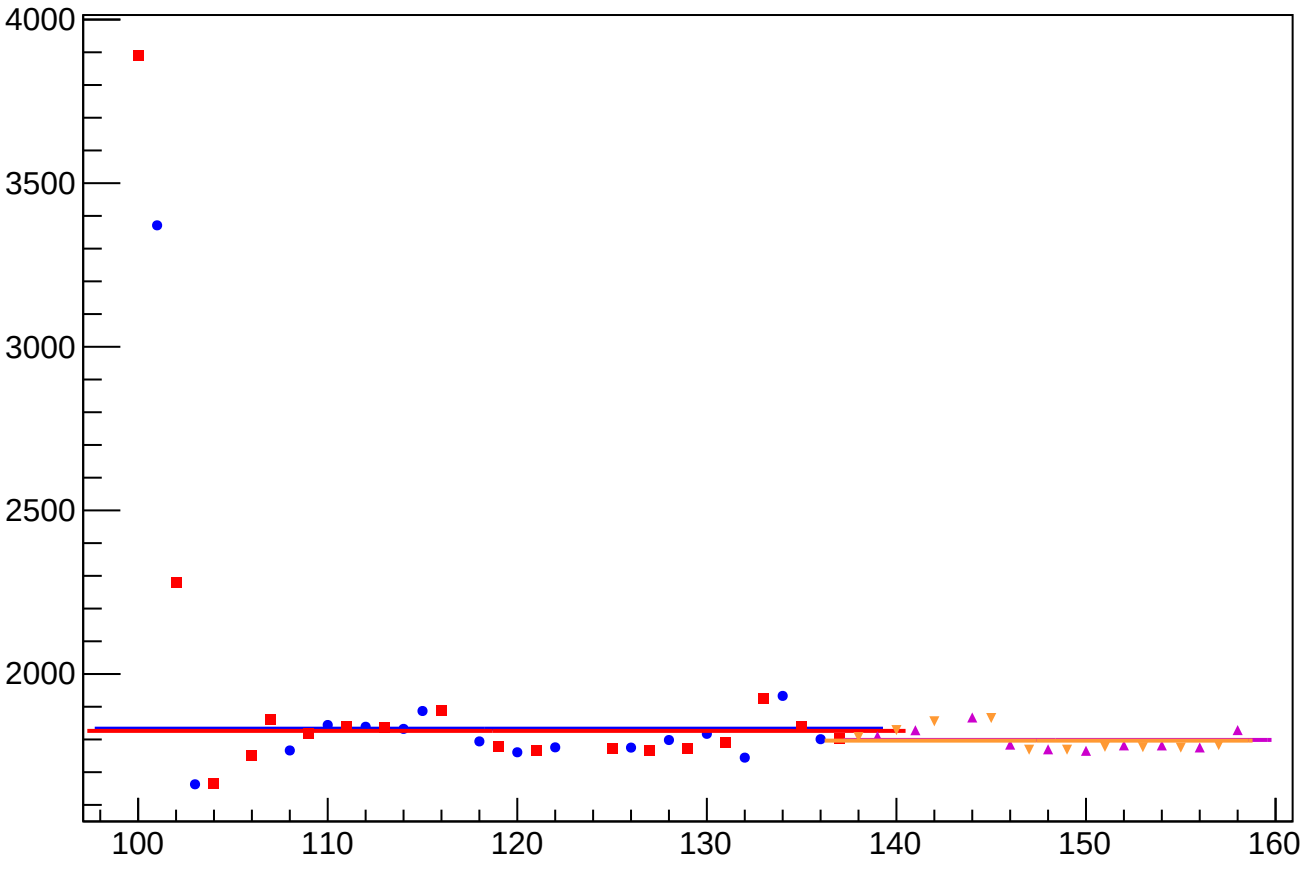
Left: -852.578+/-441.251 χ^2/NDF: 25.0/19

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1178.538+/-456.310 χ^2/NDF:24.3/25

Out: -508.065+/-467.380 χ^2/NDF:21.2/27

All: -851.336+/-326.503 χ^2/NDF: 46.6/53



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1796.420+/-0.453 χ^2/NDF:5254.8/9

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

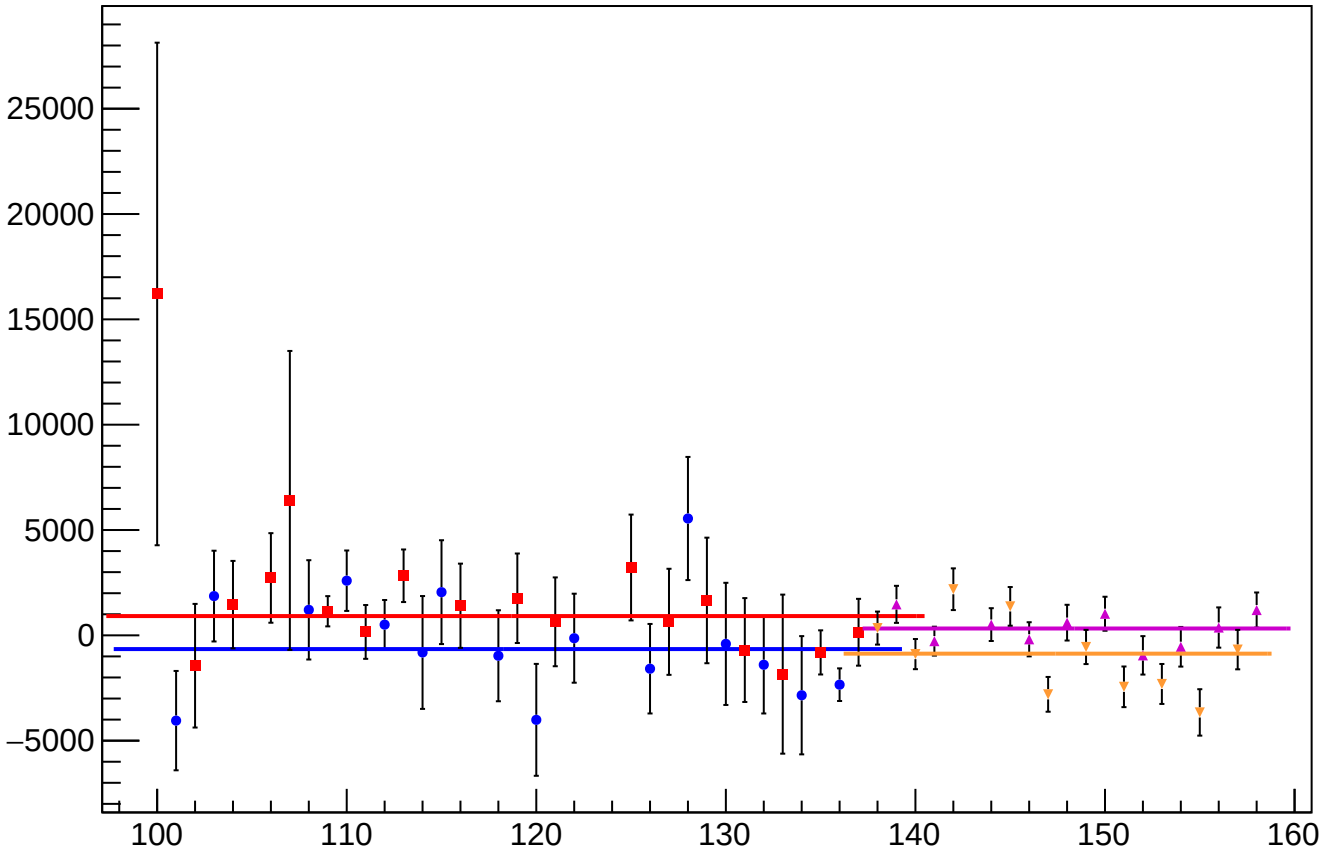
Left: 1797.558+/-0.312 χ^2/NDF: 10481.0/19

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1813.657+/-0.323 χ^2/NDF:303445.5/25

Out: 1810.332+/-0.330 χ^2/NDF:110283.6/27

All: 1812.035+/-0.231 χ^2/NDF: 413780.9/53



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -869.506+/-278.163 χ^2/NDF:35.0/9

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 324.644+/-263.680 χ^2/NDF:7.7/9

Left: -240.535+/-191.365 χ^2/NDF: 52.4/19

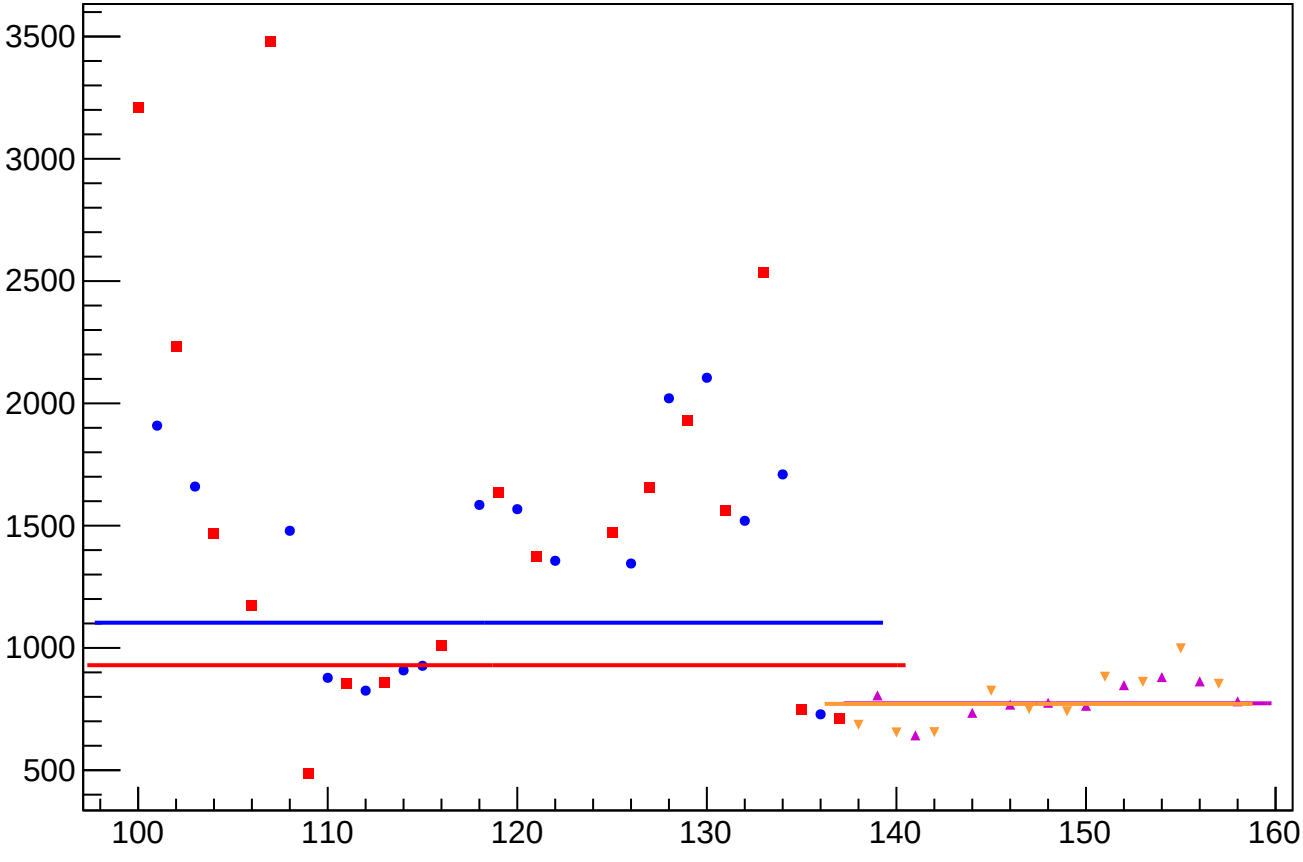
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 68.430+/-226.465 χ^2/NDF:34.5/25

Out: -274.844+/-227.127 χ^2/NDF:60.2/27

All: -102.706+/-160.368 χ^2/NDF: 95.9/53

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: 771.273+/-0.197 χ^2/NDF:260289.9/9

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 773.605+/-0.186 χ^2/NDF:138128.3/9

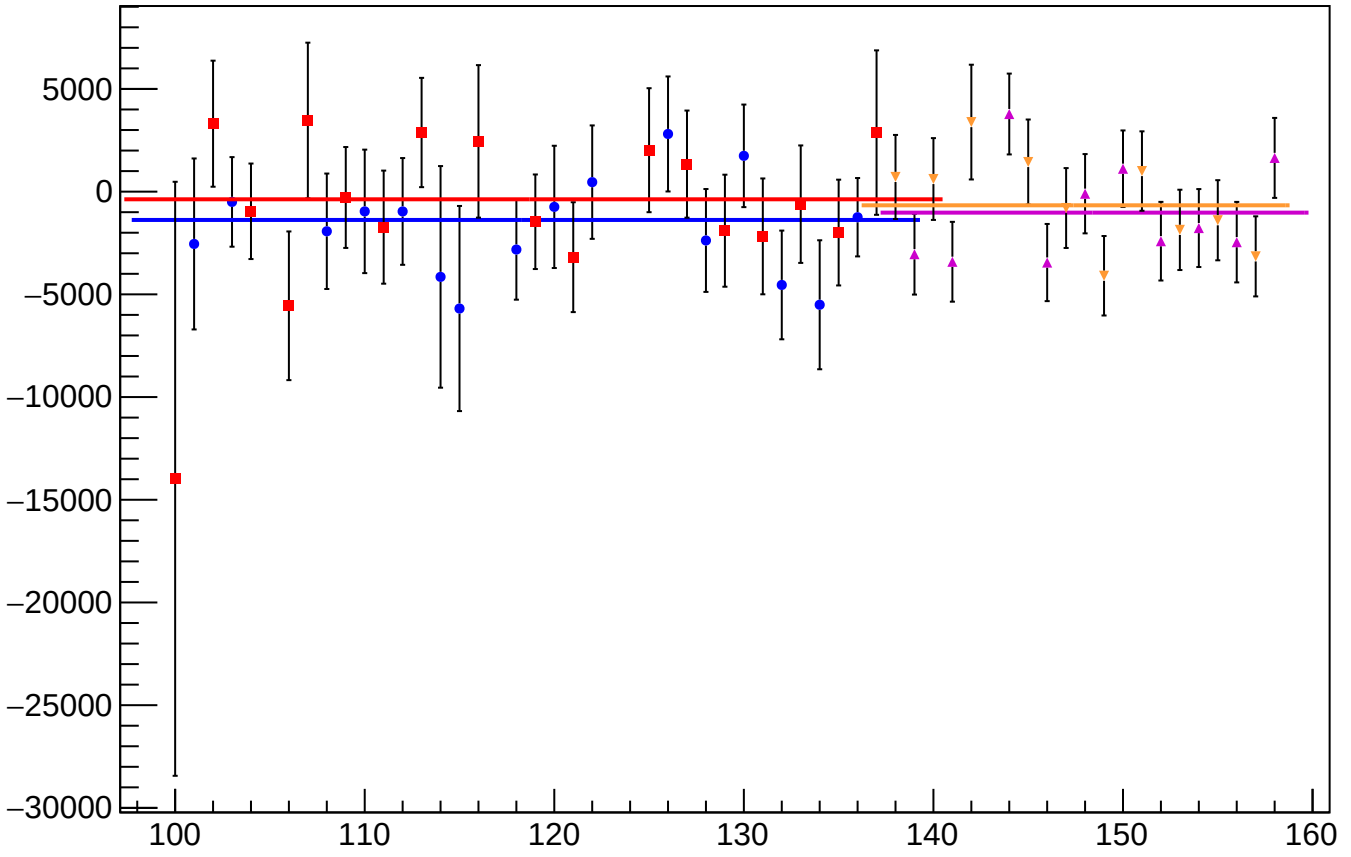
Left: 772.501+/-0.135 χ^2/NDF: 398492.2/19

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 860.072+/-0.160 χ^2/NDF:2836062.1/25

Out: 823.960+/-0.161 χ^2/NDF:3529673.1/27

All: 842.069+/-0.113 χ^2/NDF: 6391087.4/53



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -665.077+/-640.220 χ^2/NDF:10.0/9

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1022.039+/-608.995 χ^2/NDF:14.8/9

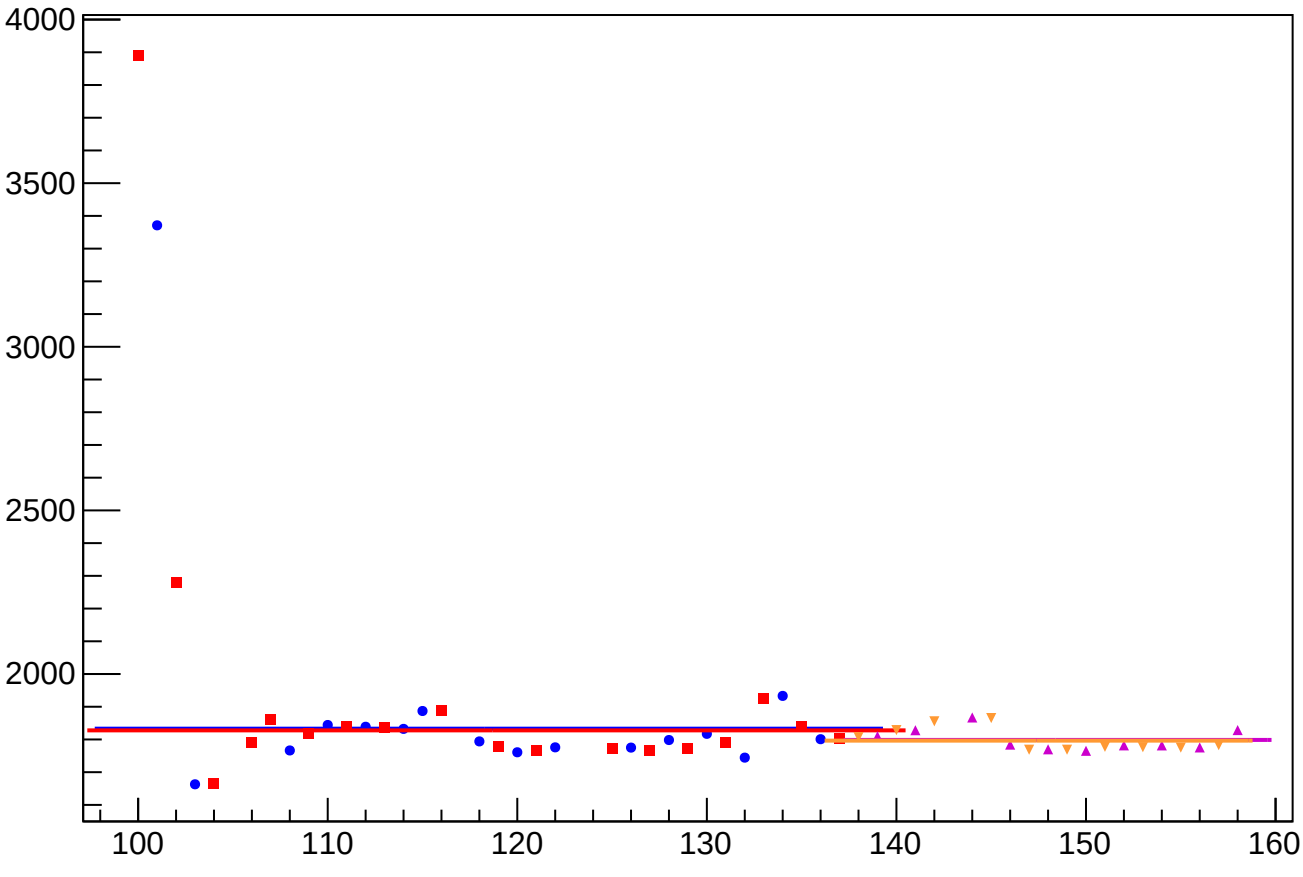
Left: -852.475+/-441.251 χ^2/NDF: 25.0/19

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1178.213+/-456.310 χ^2/NDF:24.3/25

Out: -528.553+/-467.546 χ^2/NDF:22.1/27

All: -861.283+/-326.560 χ^2/NDF: 47.4/53



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1796.420+/-0.453 χ^2/NDF:5254.8/9

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

Left: 1797.558+/-0.312 χ^2/NDF: 10481.0/19

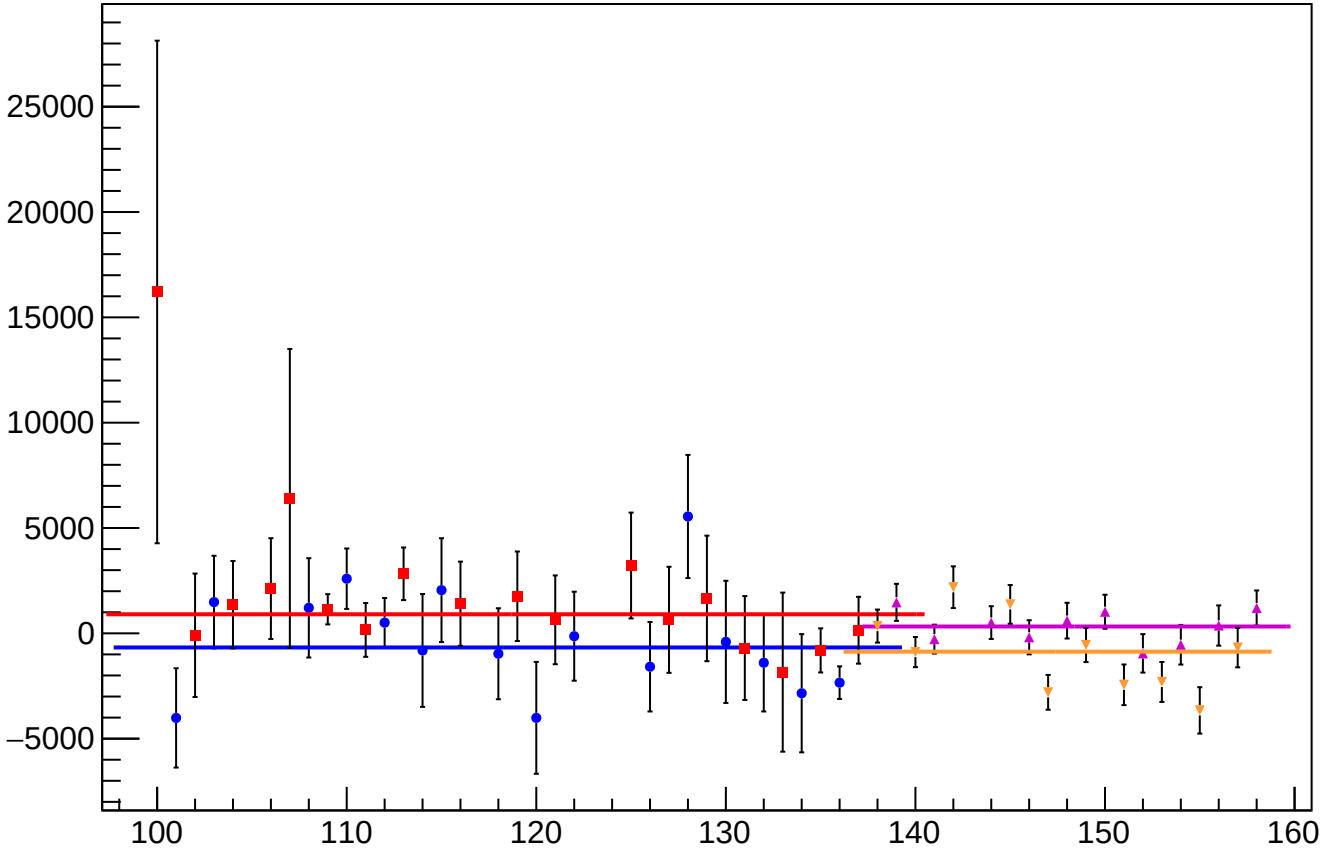
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1813.657+/-0.323 χ^2/NDF:303447.3/25

Out: 1811.057+/-0.331 χ^2/NDF:109765.3/27

All: 1812.389+/-0.231 χ^2/NDF: 413244.3/53

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -869.514+/-278.165 χ^2/NDF:35.0/9

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 324.621+/-263.681 χ^2/NDF:7.7/9

Left: -240.550+/-191.366 χ^2/NDF: 52.4/19

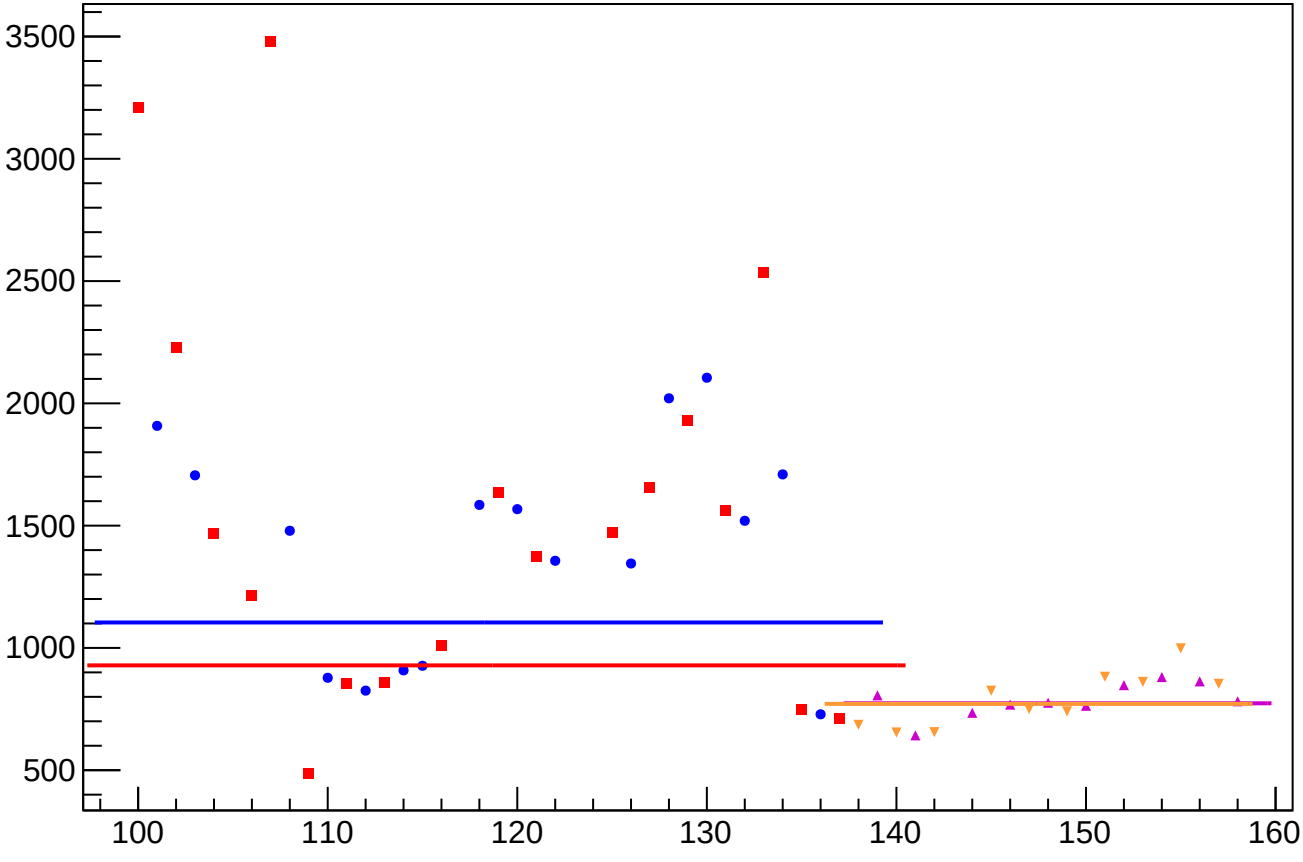
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.855+/-226.515 χ^2/NDF:34.2/25

Out: -280.578+/-227.395 χ^2/NDF:59.0/27

All: -107.694+/-160.480 χ^2/NDF: 94.3/53

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 771.277+/-0.197 χ^2/NDF:260256.4/9

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 773.607+/-0.186 χ^2/NDF:138178.3/9

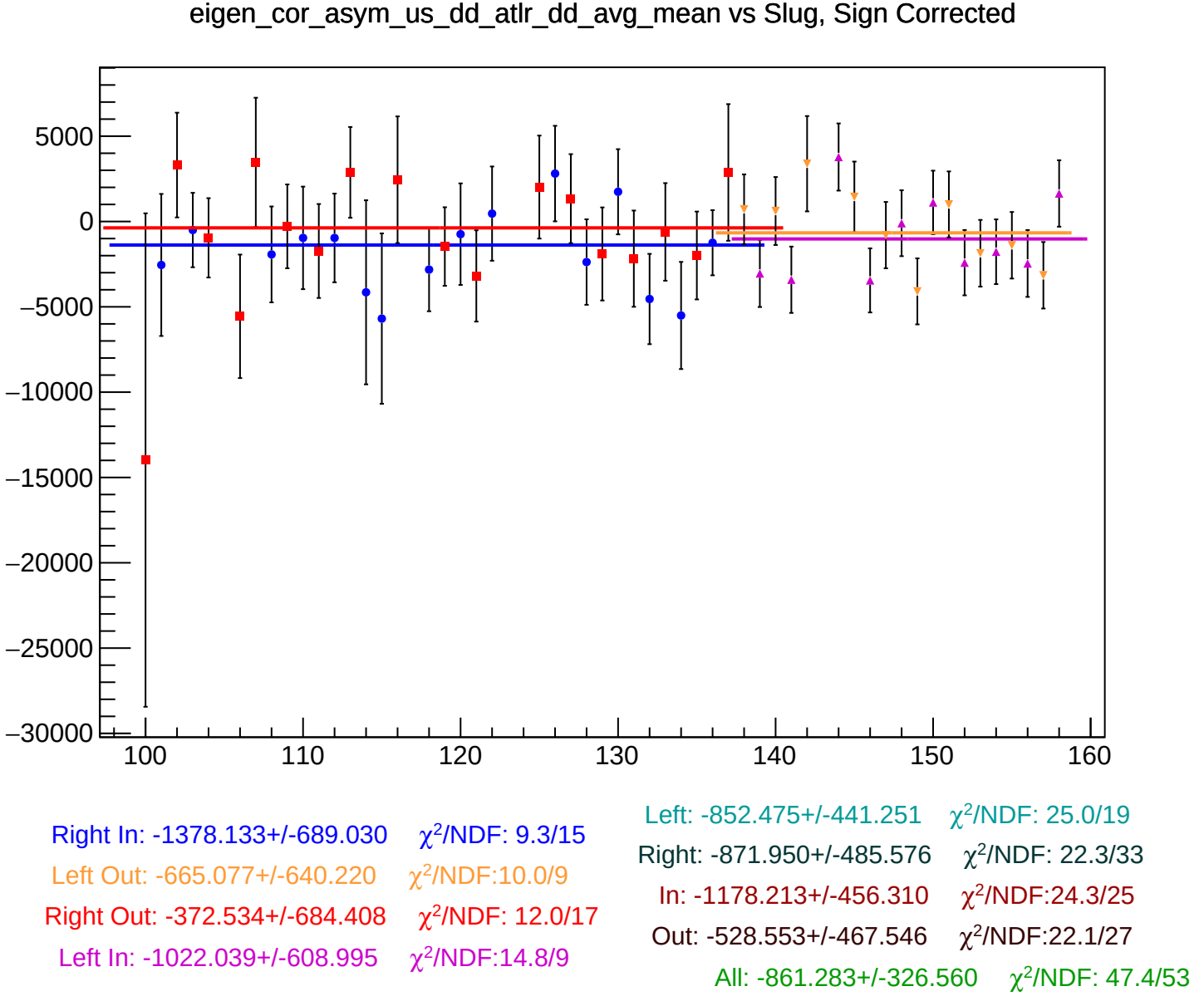
Left: 772.505+/-0.135 χ^2/NDF: 398508.6/19

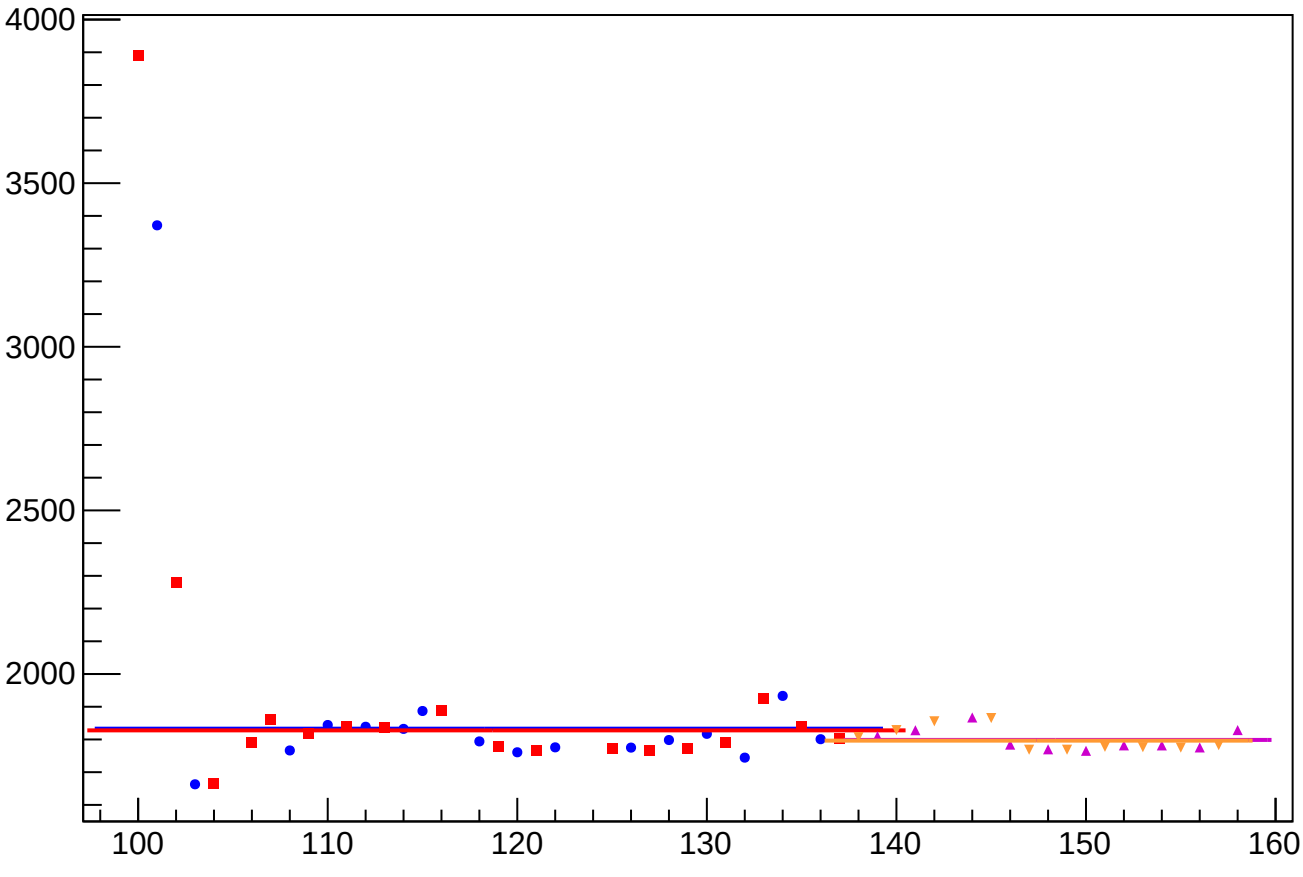
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 860.208+/-0.160 χ^2/NDF:2855964.9/25

Out: 823.474+/-0.161 χ^2/NDF:3526934.1/27

All: 841.913+/-0.113 χ^2/NDF: 6409096.0/53


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -665.077+/-640.220 χ²/NDF:10.0/9
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -1022.039+/-608.995 χ²/NDF:14.8/9
Left: -852.475+/-441.251 χ²/NDF: 25.0/19
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1178.213+/-456.310 χ²/NDF:24.3/25
Out: -528.553+/-467.546 χ²/NDF:22.1/27
All: -861.283+/-326.560 χ²/NDF: 47.4/53



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1796.420+/-0.453 χ^2/NDF:5254.8/9

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

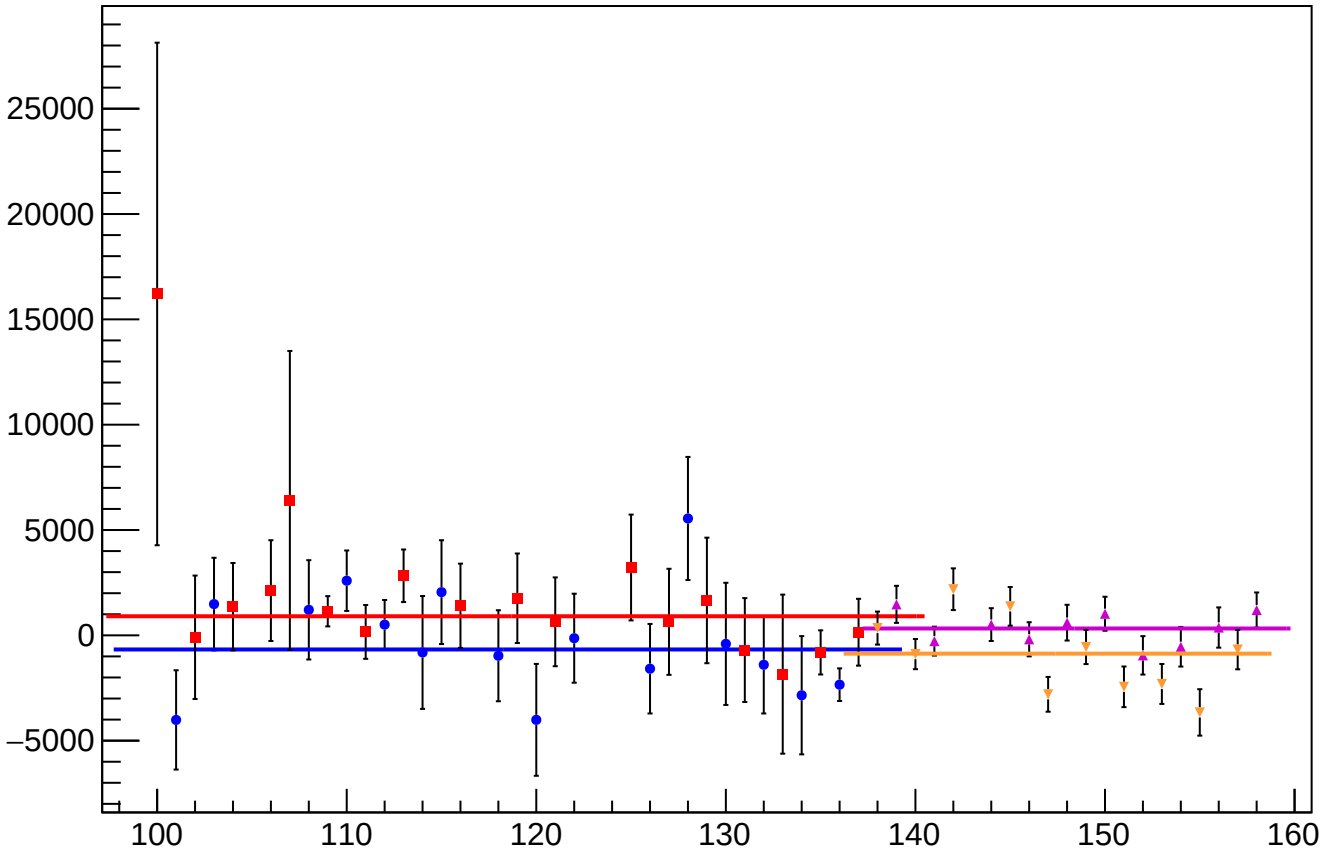
Left: 1797.558+/-0.312 χ^2/NDF: 10481.0/19

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1813.657+/-0.323 χ^2/NDF:303447.3/25

Out: 1811.057+/-0.331 χ^2/NDF:109765.3/27

All: 1812.389+/-0.231 χ^2/NDF: 413244.3/53



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -869.514+/-278.165 χ^2/NDF:35.0/9

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 324.621+/-263.681 χ^2/NDF:7.7/9

Left: -240.550+/-191.366 χ^2/NDF: 52.4/19

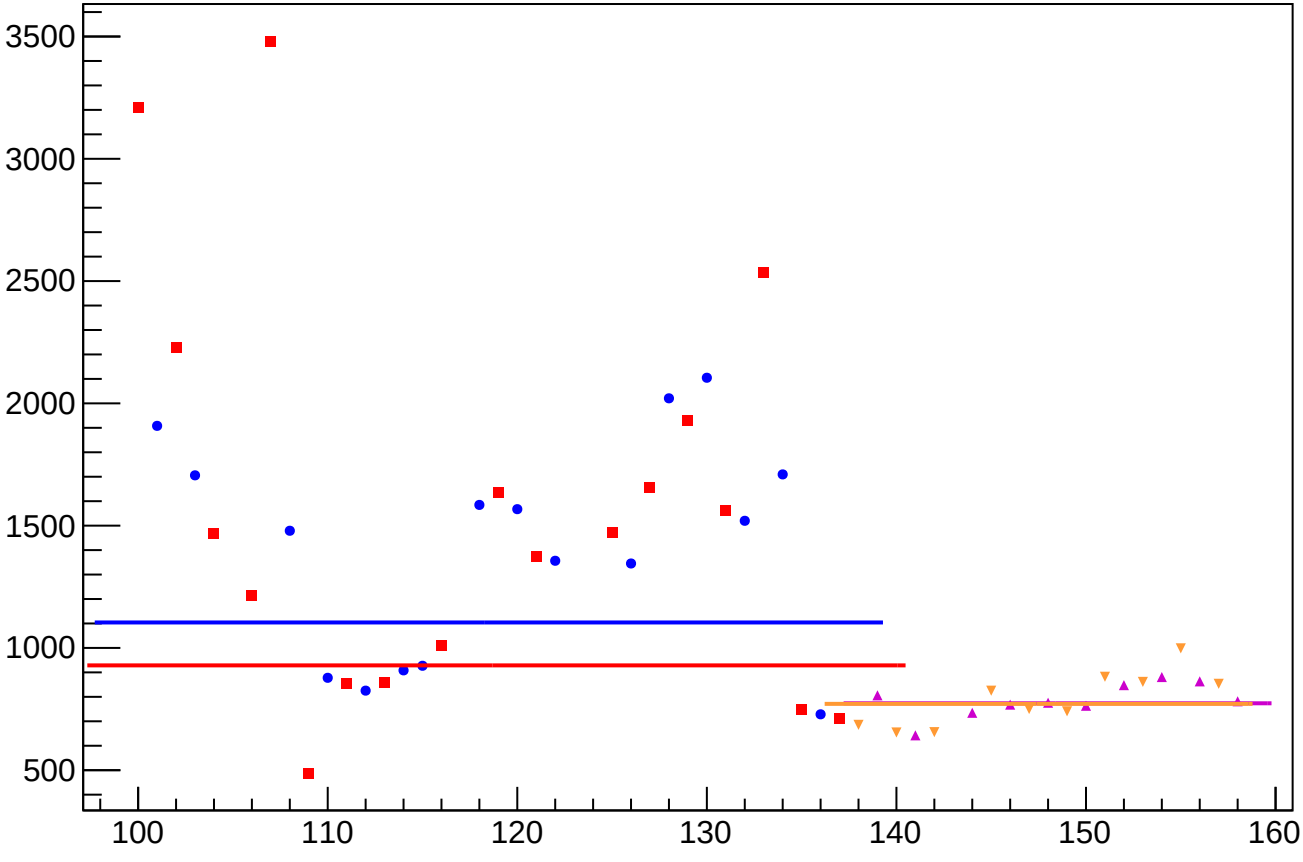
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.855+/-226.515 χ^2/NDF:34.2/25

Out: -280.578+/-227.395 χ^2/NDF:59.0/27

All: -107.694+/-160.480 χ^2/NDF: 94.3/53

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: 771.277+/-0.197 χ^2/NDF:260256.4/9

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 773.607+/-0.186 χ^2/NDF:138178.3/9

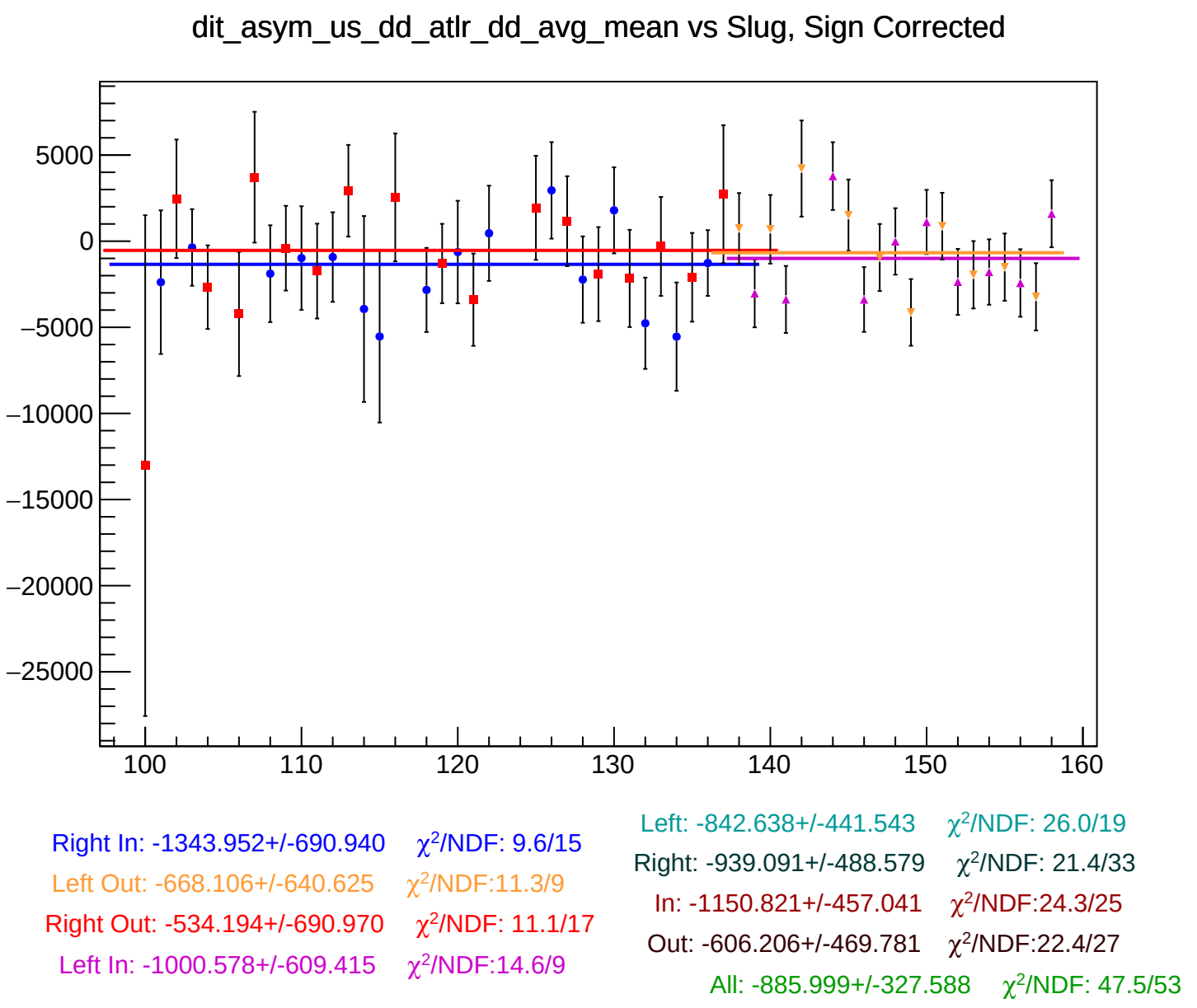
Left: 772.505+/-0.135 χ^2/NDF: 398508.6/19

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 860.208+/-0.160 χ^2/NDF:2855964.9/25

Out: 823.474+/-0.161 χ^2/NDF:3526934.1/27

All: 841.913+/-0.113 χ^2/NDF: 6409096.0/53


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−5000
−10000
−15000
−20000
−25000
100
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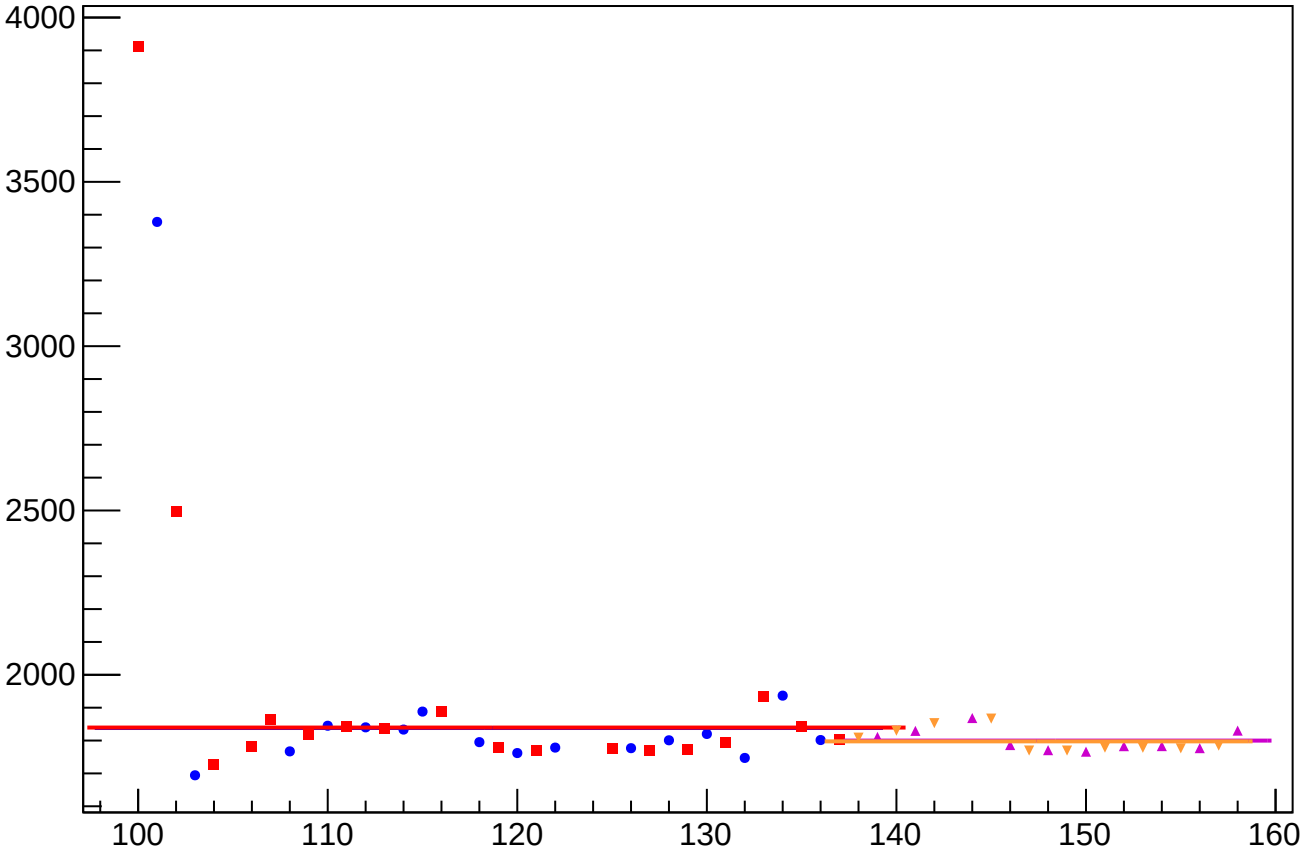
150
160
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: -668.106+/-640.625 χ²/NDF:11.3/9
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -1000.578+/-609.415 χ²/NDF:14.6/9
Left: -842.638+/-441.543 χ²/NDF: 26.0/19
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -1150.821+/-457.041 χ²/NDF:24.3/25
Out: -606.206+/-469.781 χ²/NDF:22.4/27
All: -885.999+/-327.588 χ²/NDF: 47.5/53



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1797.542+/-0.453 χ^2/NDF:5161.9/9

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1799.824+/-0.431 χ^2/NDF:5244.4/9

Left: 1798.740+/-0.312 χ^2/NDF: 10419.6/19

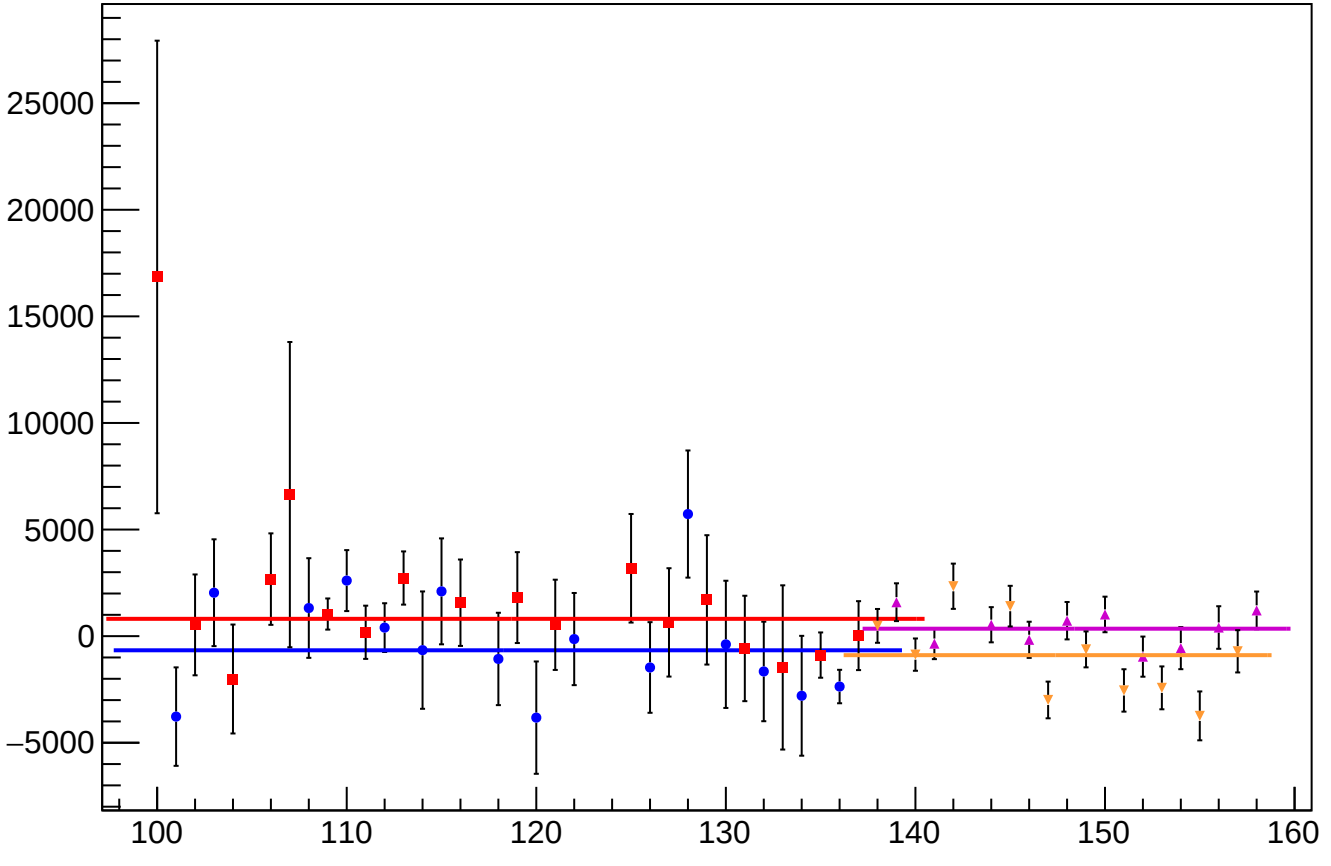
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1816.597+/-0.323 χ^2/NDF:300691.2/25

Out: 1816.945+/-0.332 χ^2/NDF:137384.4/27

All: 1816.767+/-0.232 χ^2/NDF: 438076.2/53

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -892.083+/-290.391 χ^2/NDF:35.5/9

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 349.267+/-275.362 χ^2/NDF:7.9/9

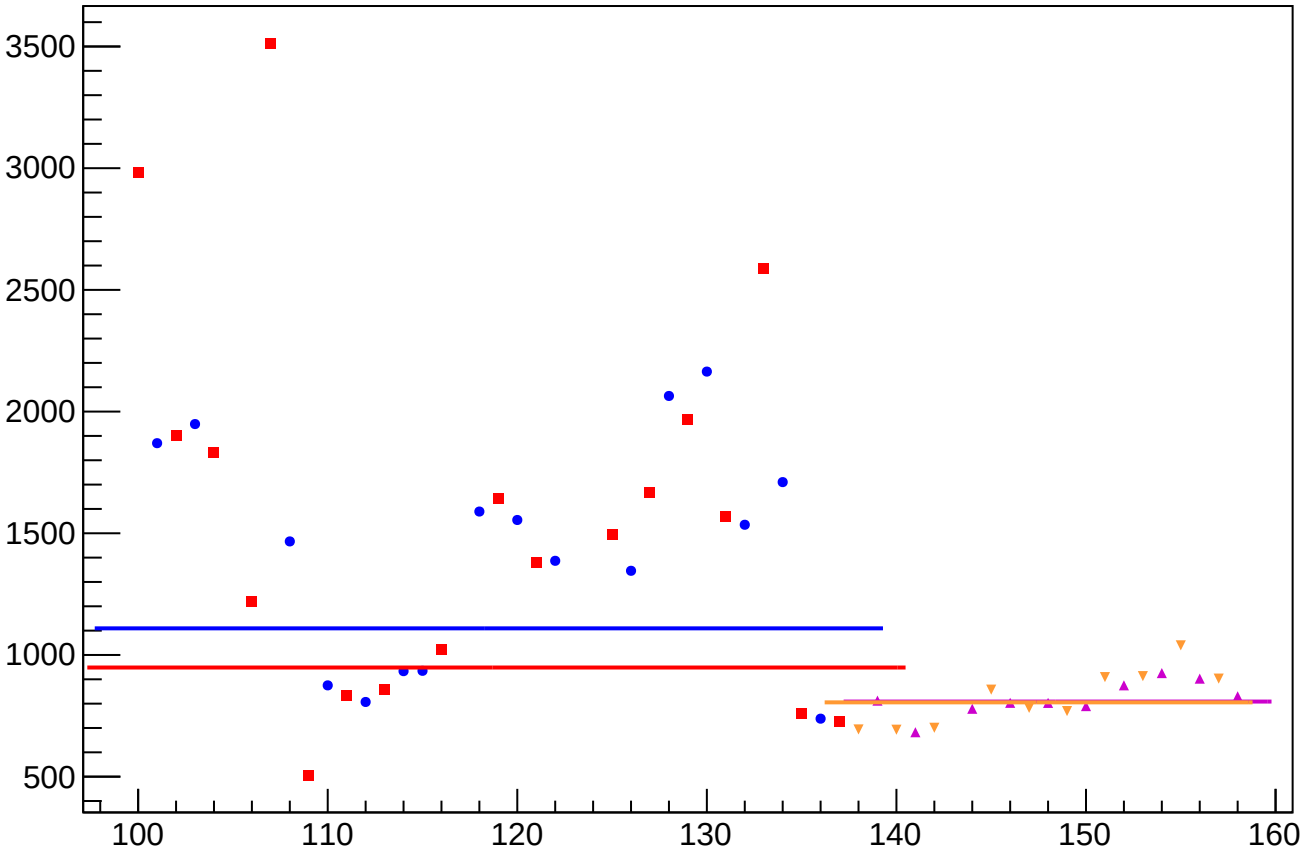
Left: -238.456+/-199.812 χ^2/NDF: 53.0/19

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 69.673+/-234.289 χ^2/NDF:34.4/25

Out: -298.423+/-234.420 χ^2/NDF:59.7/27

All: -114.272+/-165.714 χ^2/NDF: 95.3/53



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 805.290+/-0.205 χ^2/NDF:261294.8/9

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 808.561+/-0.195 χ^2/NDF:120699.3/9

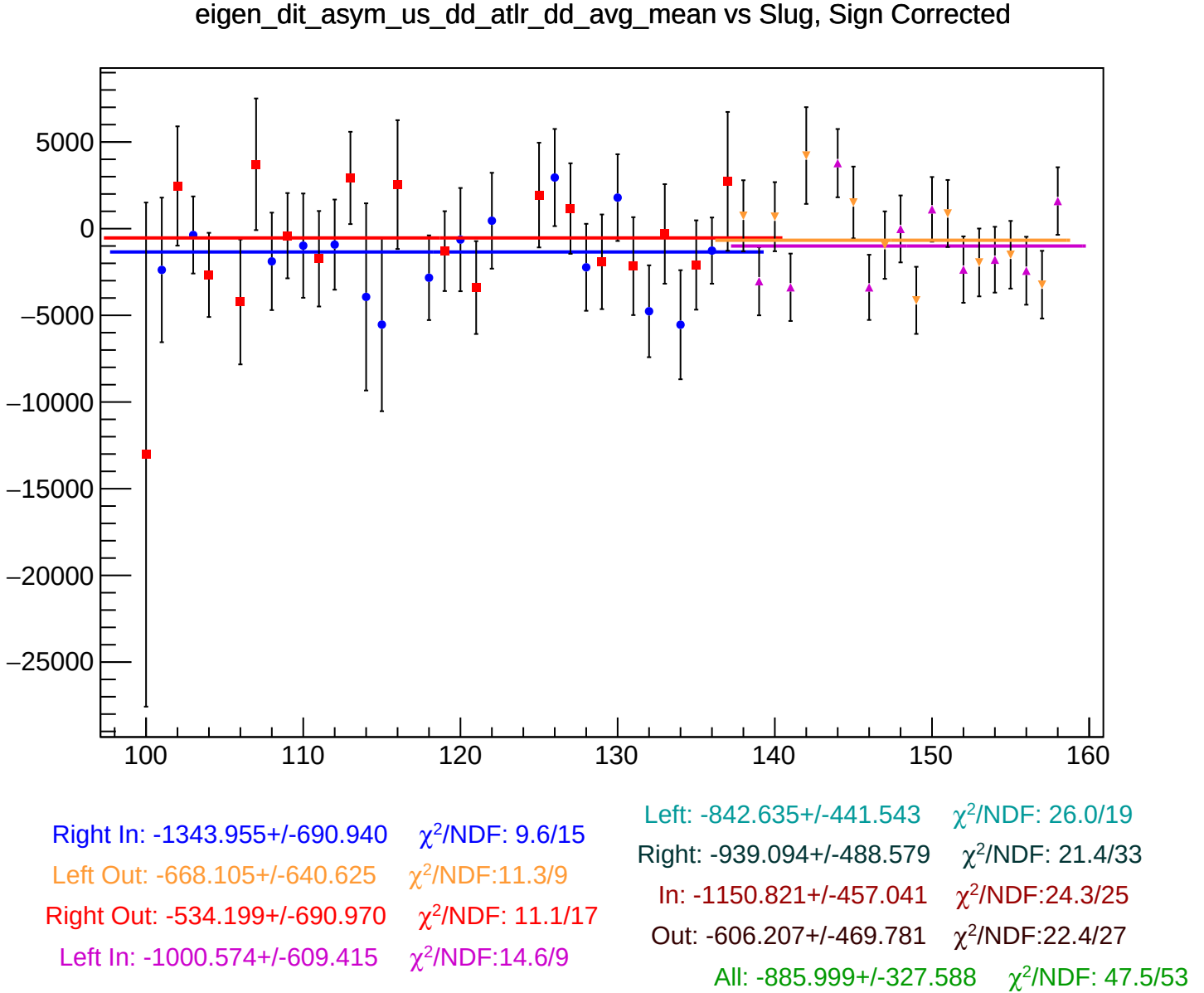
Left: 807.012+/-0.141 χ^2/NDF: 382127.8/19

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 891.604+/-0.166 χ^2/NDF:2752934.6/25

Out: 855.154+/-0.166 χ^2/NDF:3484257.0/27

All: 873.389+/-0.117 χ^2/NDF: 6261382.6/53


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
100
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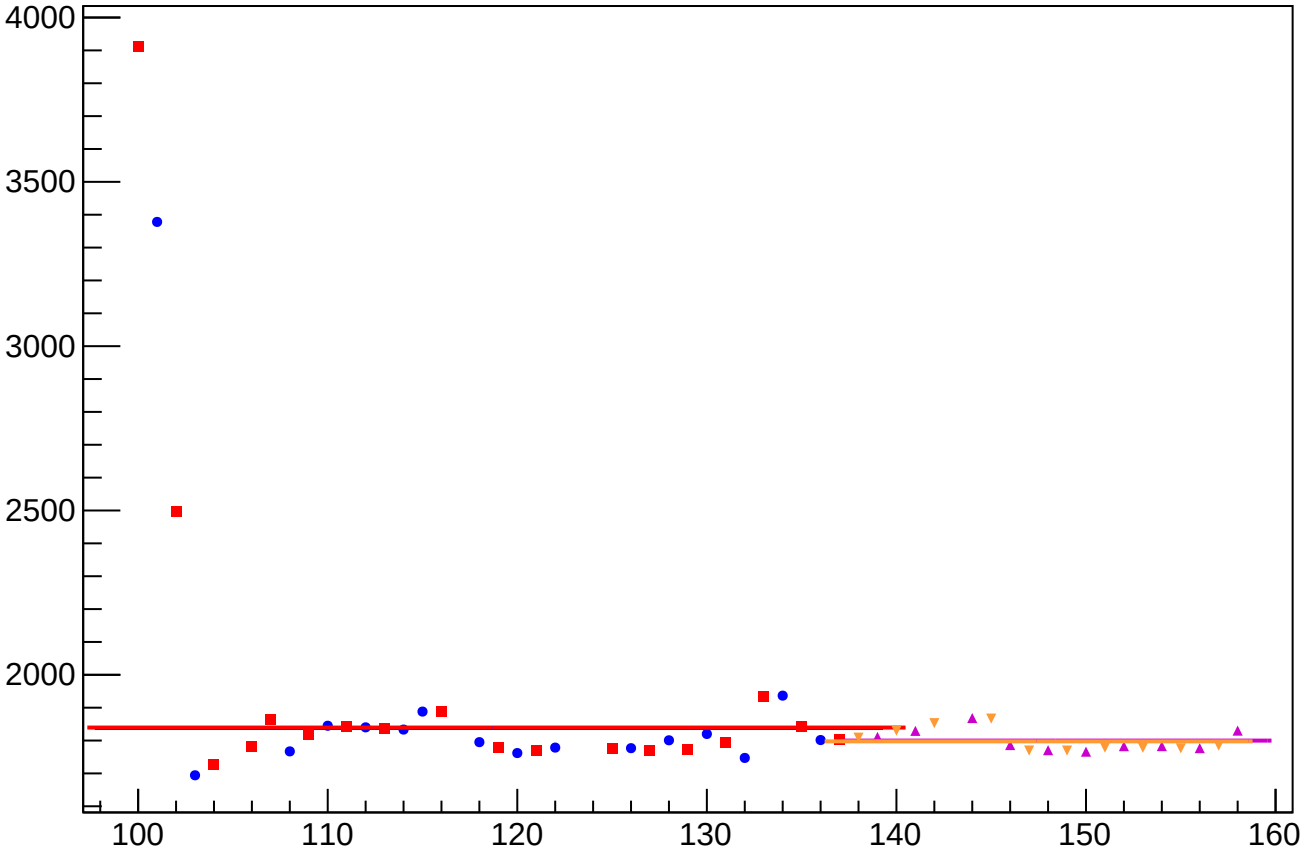
120
130
140
150
160
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -668.105+/-640.625 χ²/NDF:11.3/9
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -1000.574+/-609.415 χ²/NDF:14.6/9
Left: -842.635+/-441.543 χ²/NDF: 26.0/19
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1150.821+/-457.041 χ²/NDF:24.3/25
Out: -606.207+/-469.781 χ²/NDF:22.4/27
All: -885.999+/-327.588 χ²/NDF: 47.5/53



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1797.542+/-0.453 χ^2/NDF:5161.9/9

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1799.824+/-0.431 χ^2/NDF:5244.4/9

Left: 1798.740+/-0.312 χ^2/NDF: 10419.6/19

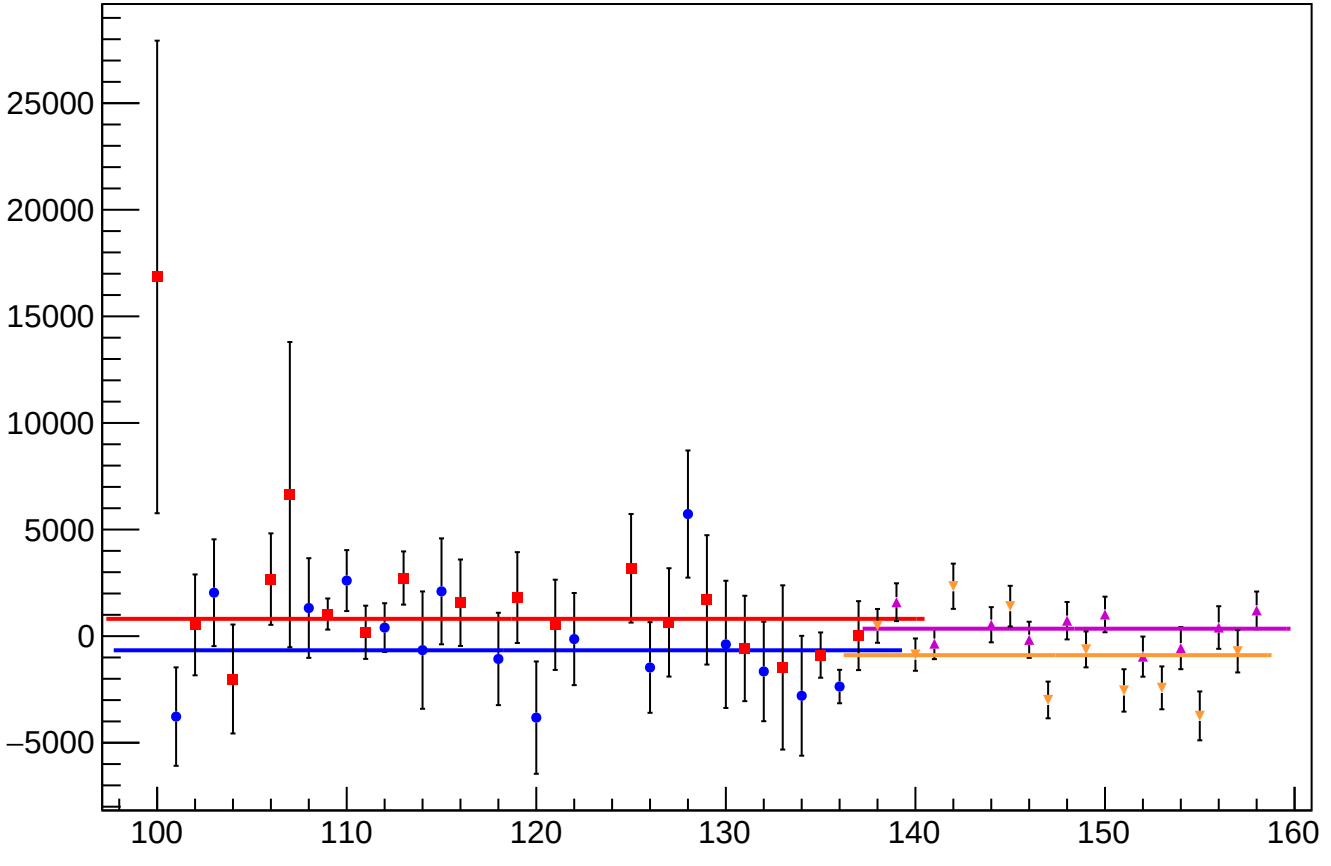
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1816.597+/-0.323 χ^2/NDF:300691.2/25

Out: 1816.945+/-0.332 χ^2/NDF:137384.4/27

All: 1816.767+/-0.232 χ^2/NDF: 438076.2/53

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -892.092+/-290.392 χ^2/NDF:35.5/9

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 349.265+/-275.363 χ^2/NDF:7.9/9

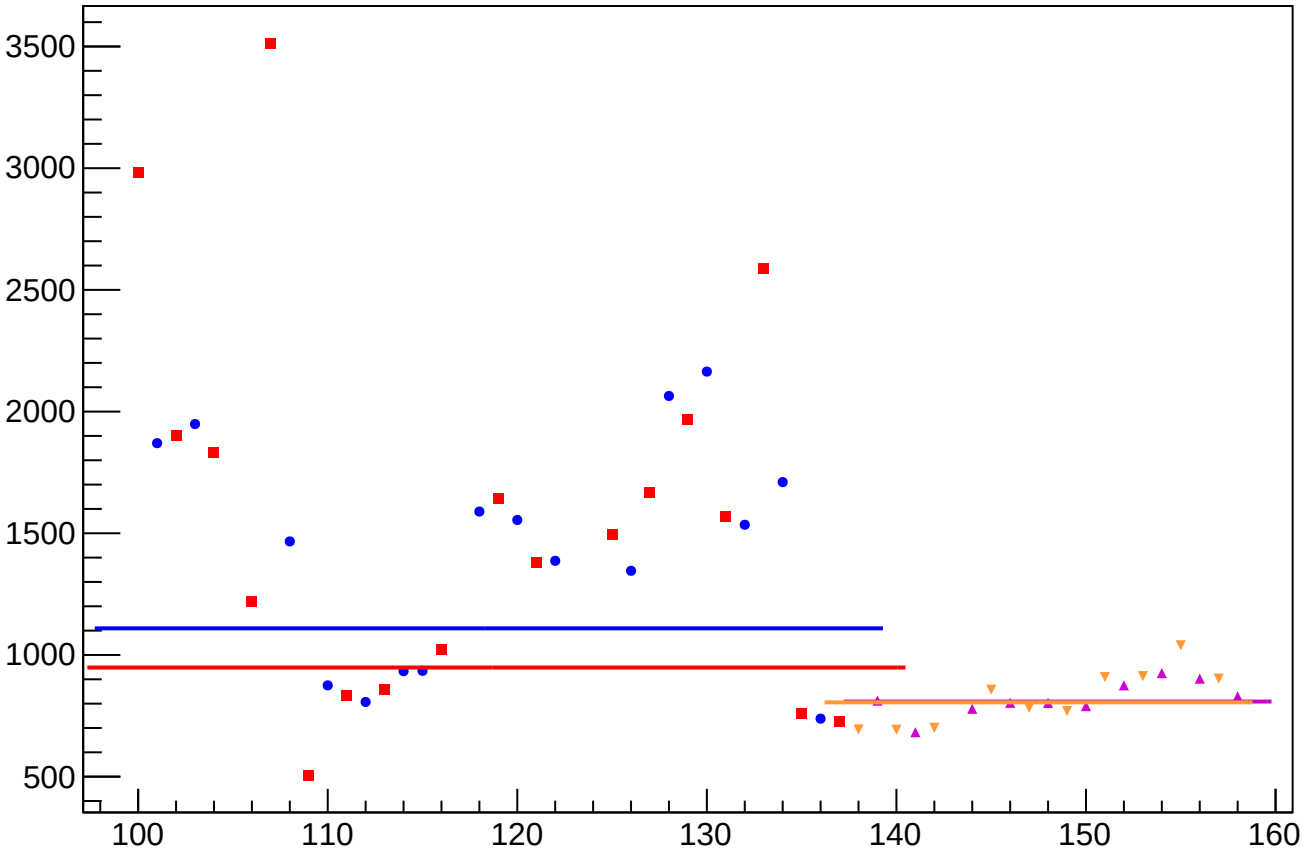
Left: -238.461+/-199.813 χ^2/NDF: 53.0/19

Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 69.675+/-234.289 χ^2/NDF:34.4/25

Out: -298.425+/-234.420 χ^2/NDF:59.7/27

All: -114.272+/-165.714 χ^2/NDF: 95.3/53



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 805.293+/-0.205 χ^2/NDF:261277.5/9

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 808.563+/-0.195 χ^2/NDF:120698.0/9

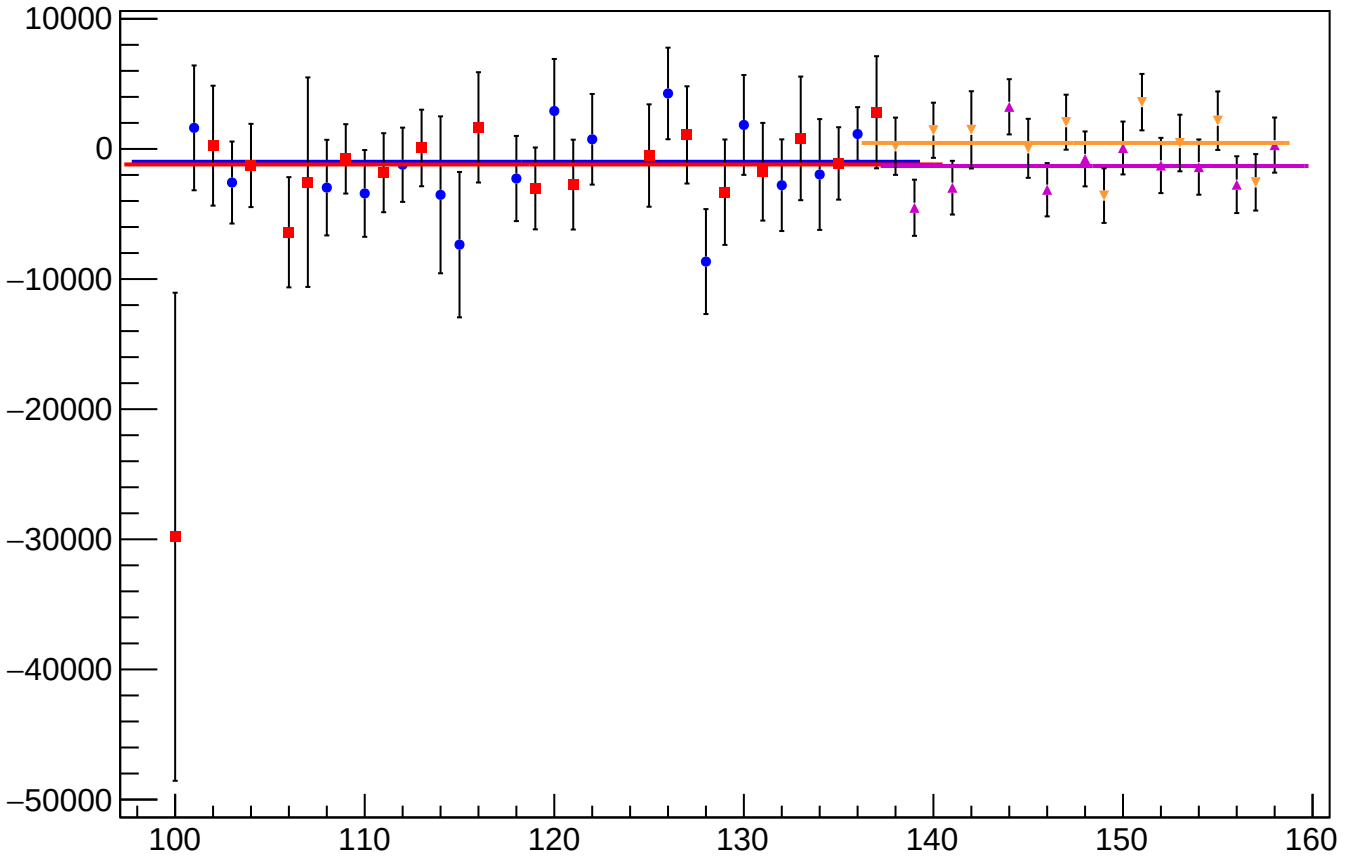
Left: 807.015+/-0.141 χ^2/NDF: 382109.0/19

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 891.606+/-0.166 χ^2/NDF:2752898.2/25

Out: 855.157+/-0.166 χ^2/NDF:3484211.2/27

All: 873.391+/-0.117 χ^2/NDF: 6261299.0/53



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 460.204+/-703.180 χ^2/NDF:9.3/9

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1310.638+/-666.274 χ^2/NDF:9.8/9

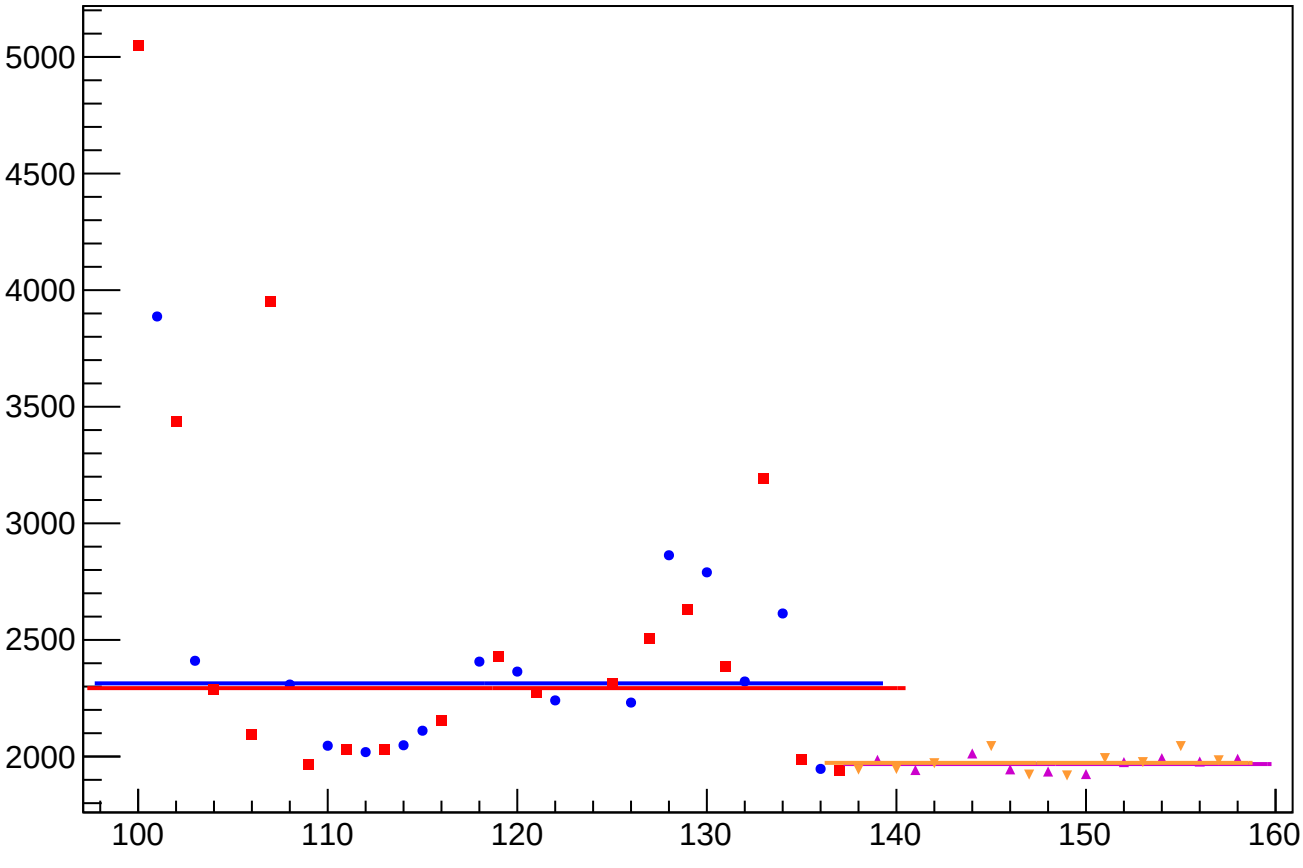
Left: -472.905+/-483.648 χ^2/NDF: 22.4/19

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1191.854+/-529.832 χ^2/NDF:21.9/25

Out: -192.322+/-546.990 χ^2/NDF:18.4/27

All: -708.011+/-380.569 χ^2/NDF: 42.0/53



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1972.804+/-0.497 χ^2/NDF:7380.0/9

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1967.694+/-0.471 χ^2/NDF:3553.9/9

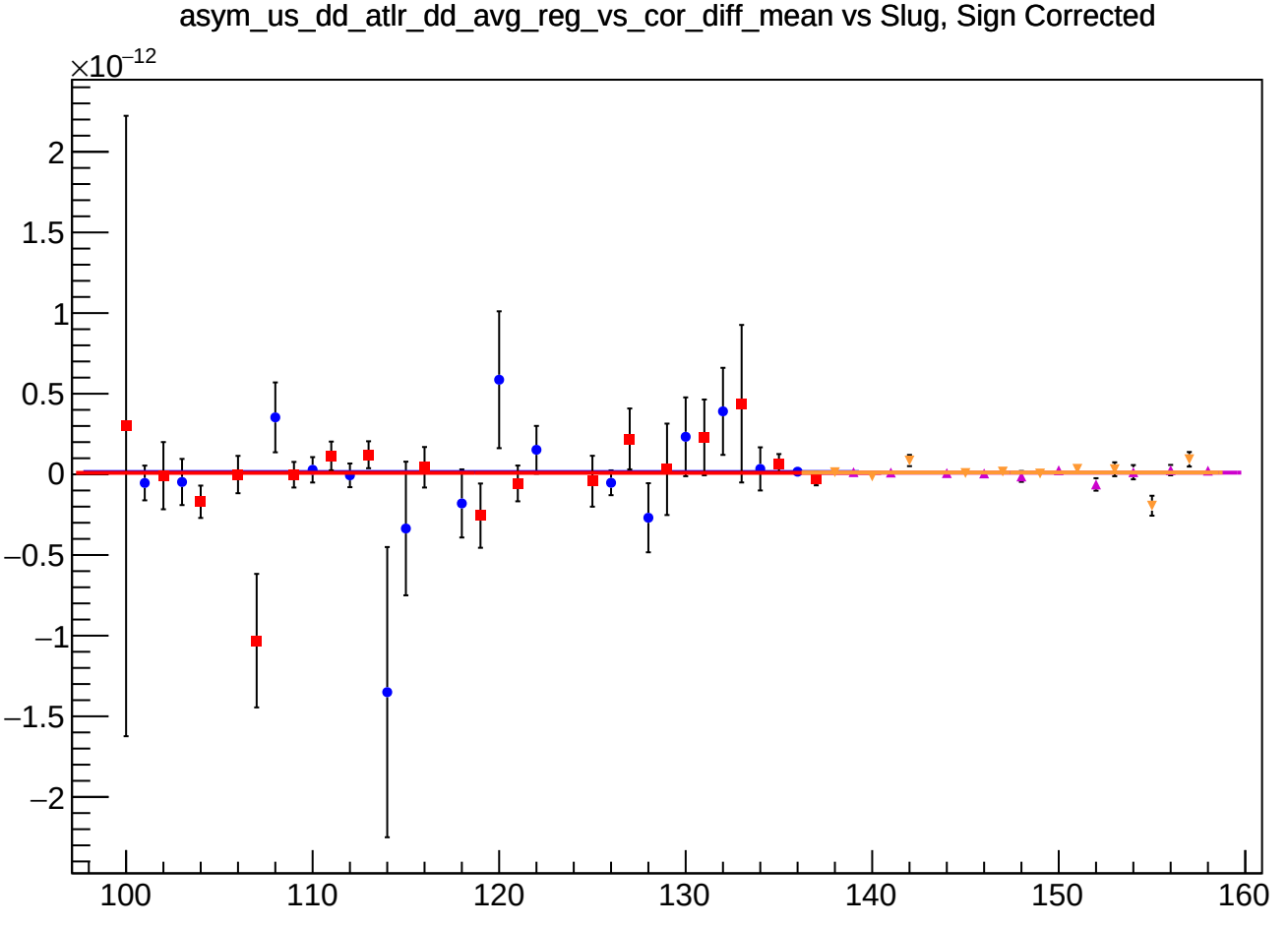
Left: 1970.111+/-0.342 χ^2/NDF: 10989.6/19

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2094.912+/-0.375 χ^2/NDF:604649.3/25

Out: 2099.359+/-0.387 χ^2/NDF:624627.3/27

All: 2097.065+/-0.269 χ^2/NDF: 1229344.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

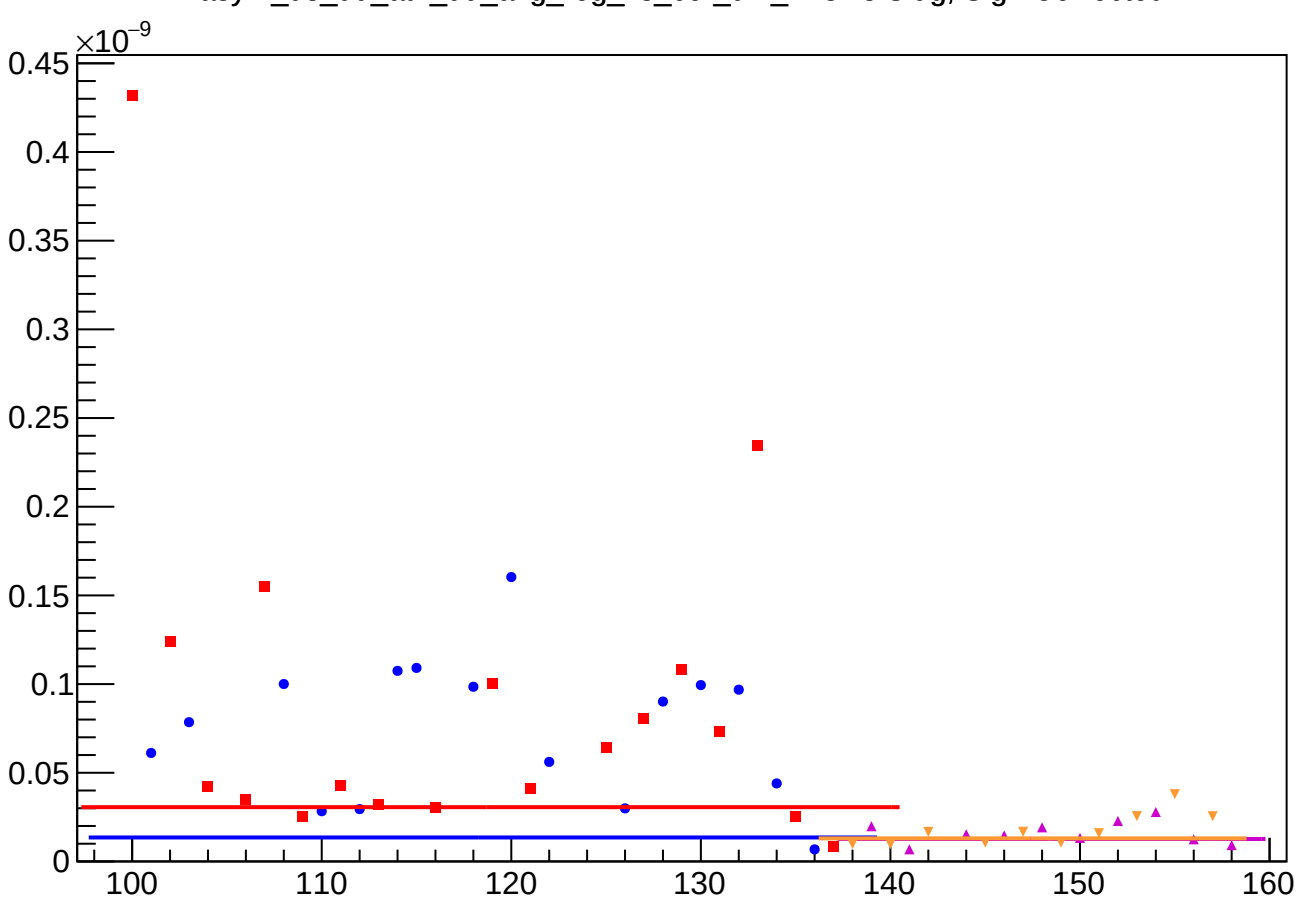
Left: 0.000+/-0.000 χ^2/NDF: 26.9/19

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:20.2/25

Out: 0.000+/-0.000 χ^2/NDF:41.3/27

All: 0.000+/-0.000 χ^2/NDF: 61.5/53


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
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0.1
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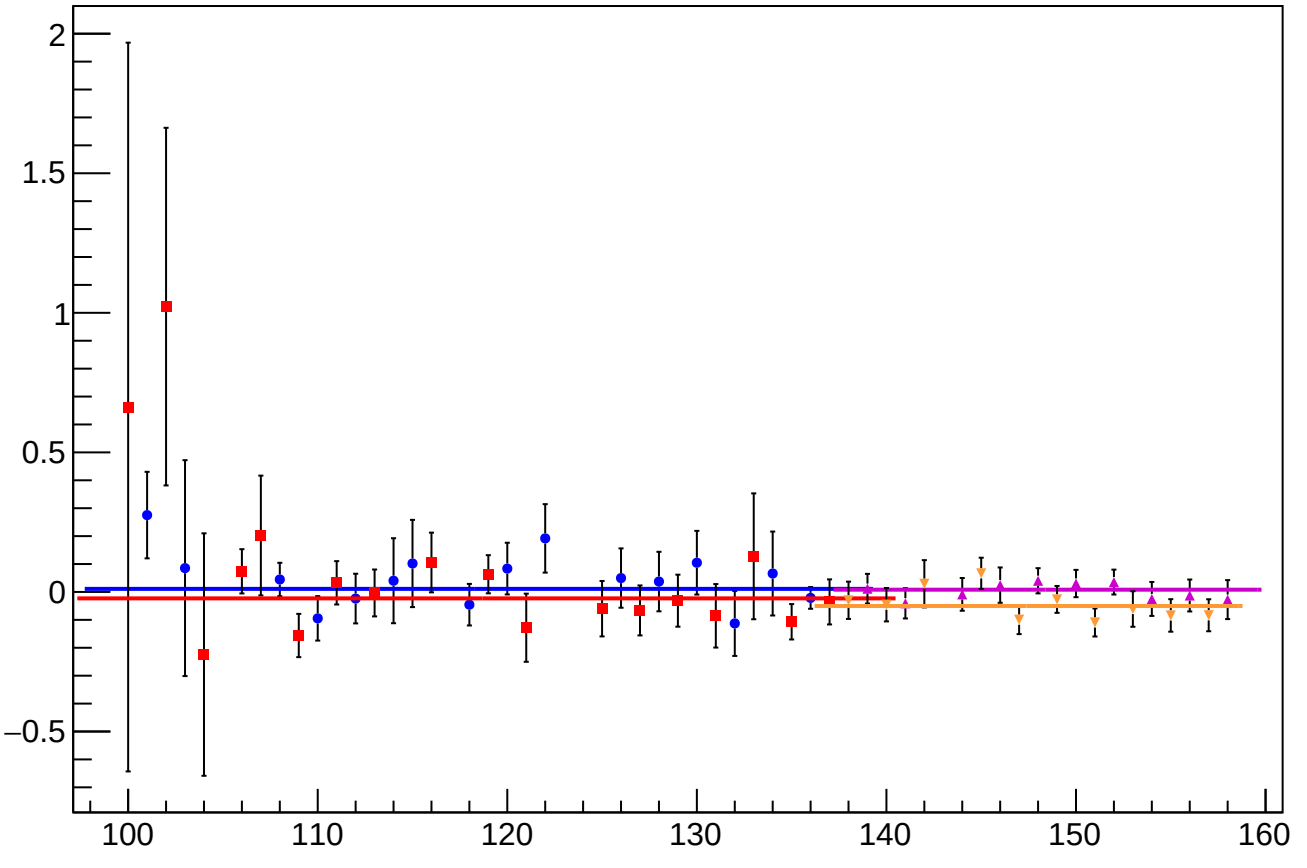
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:893192.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:997794.7/9
Left: 0.000+/-0.000 χ²/NDF: 1892825.3/19
Right: 0.000+/-0.000 χ²/NDF: 6517274.2/33
In: 0.000+/-0.000 χ²/NDF:4419662.9/25
Out: 0.000+/-0.000 χ²/NDF:4197329.5/27
All: 0.000+/-0.000 χ²/NDF: 8691264.1/53



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.018 χ^2/NDF:8.5/9

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.017 χ^2/NDF:2.7/9

Left: -0.019+/-0.012 χ^2/NDF: 16.7/19

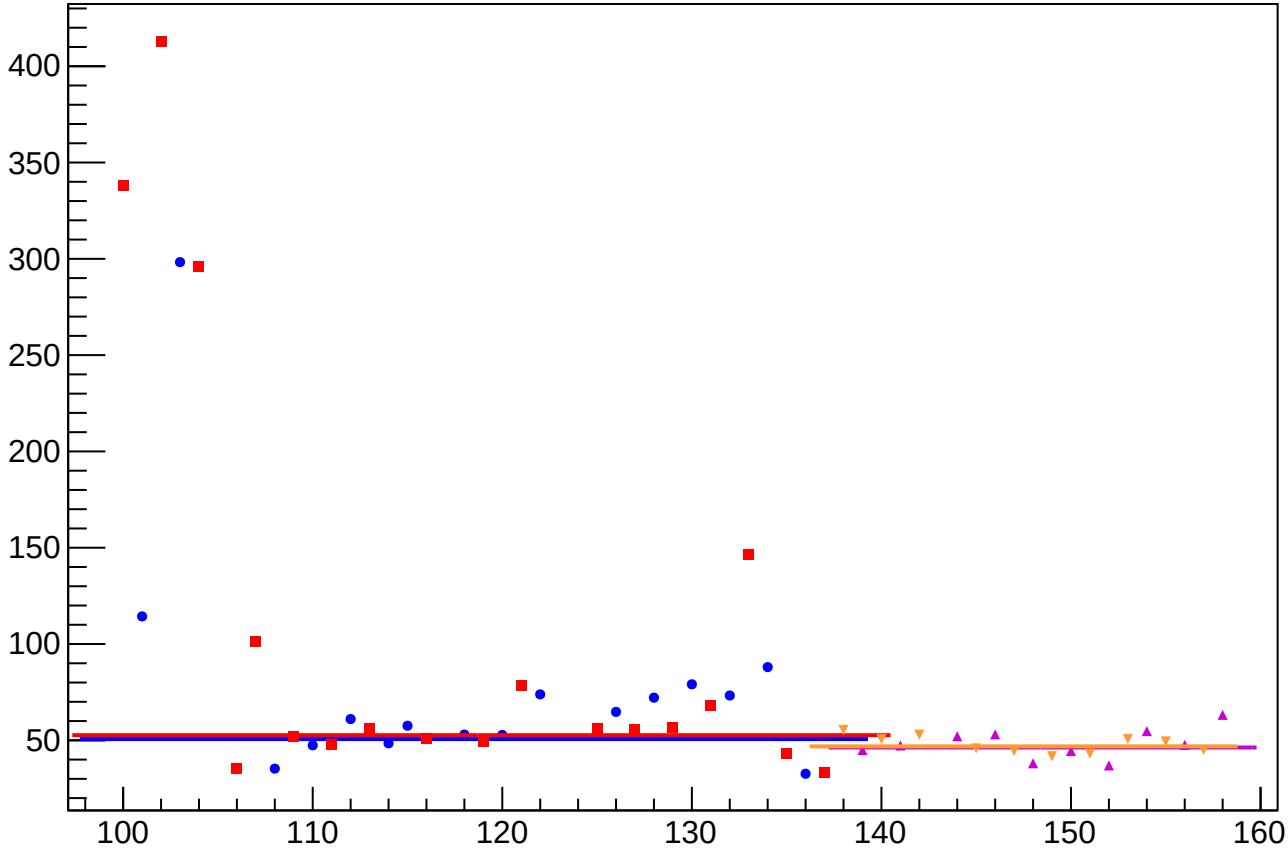
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.013 χ^2/NDF:14.5/25

Out: -0.040+/-0.014 χ^2/NDF:25.4/27

All: -0.014+/-0.010 χ^2/NDF: 46.0/53

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: 46.855+/-0.013 χ^2/NDF:103519.5/9

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.276+/-0.012 χ^2/NDF:359039.5/9

Left: 46.546+/-0.009 χ^2/NDF: 463632.1/19

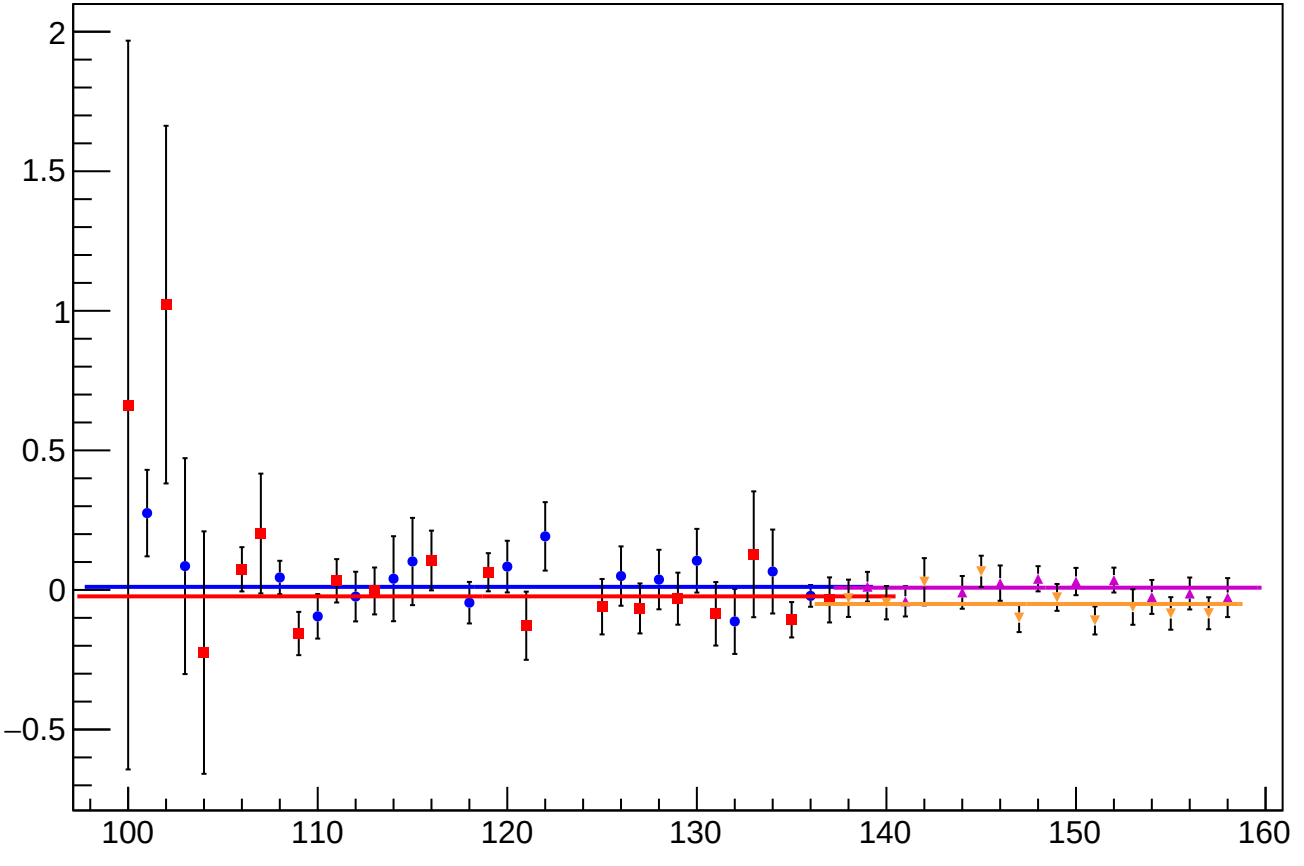
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.932+/-0.010 χ^2/NDF:2675052.6/25

Out: 49.085+/-0.010 χ^2/NDF:2393375.6/27

All: 48.473+/-0.007 χ^2/NDF: 5075316.5/53

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.018 χ^2/NDF:8.5/9

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.017 χ^2/NDF:2.7/9

Left: -0.019+/-0.012 χ^2/NDF: 16.7/19

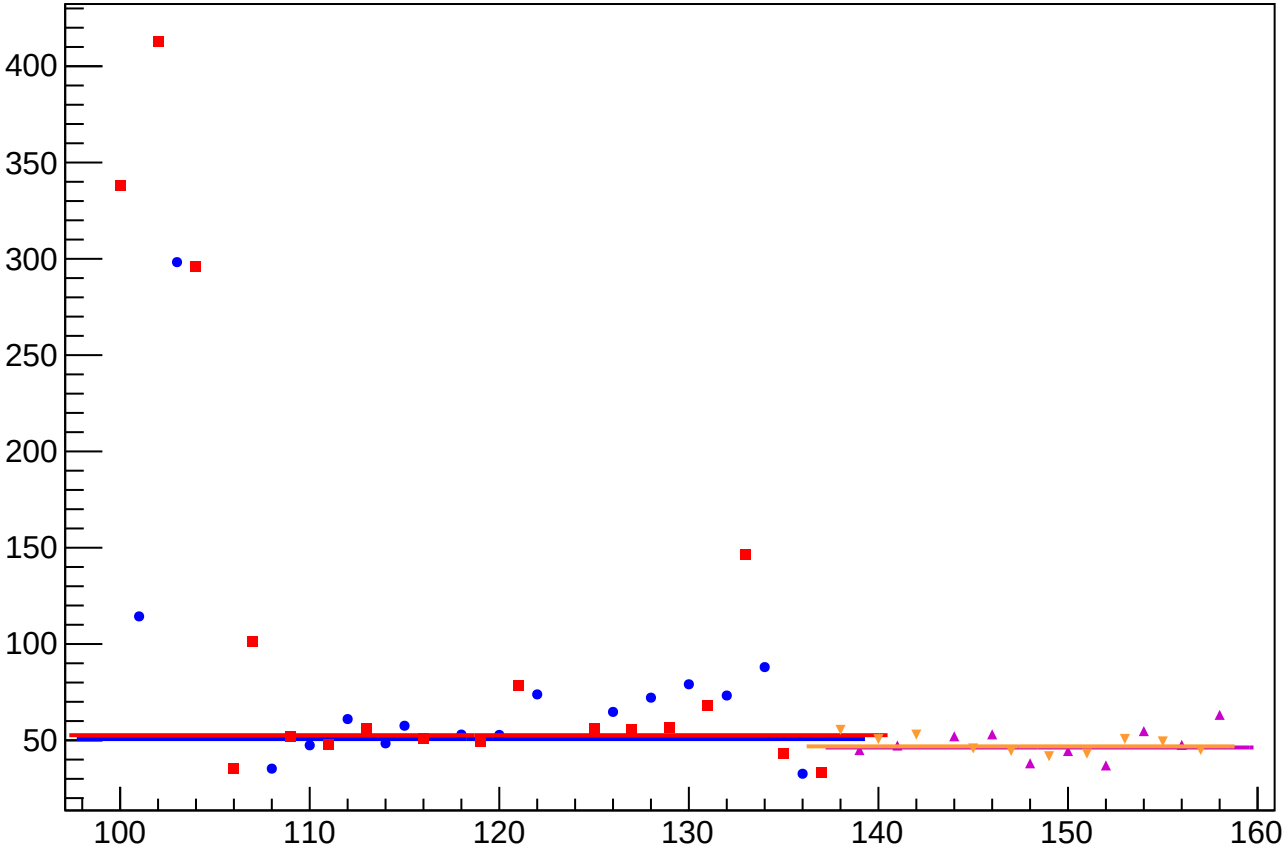
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.013 χ^2/NDF:14.5/25

Out: -0.040+/-0.014 χ^2/NDF:25.4/27

All: -0.014+/-0.010 χ^2/NDF: 46.0/53

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: 46.855+/-0.013 χ^2/NDF:103519.5/9

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.276+/-0.012 χ^2/NDF:359039.5/9

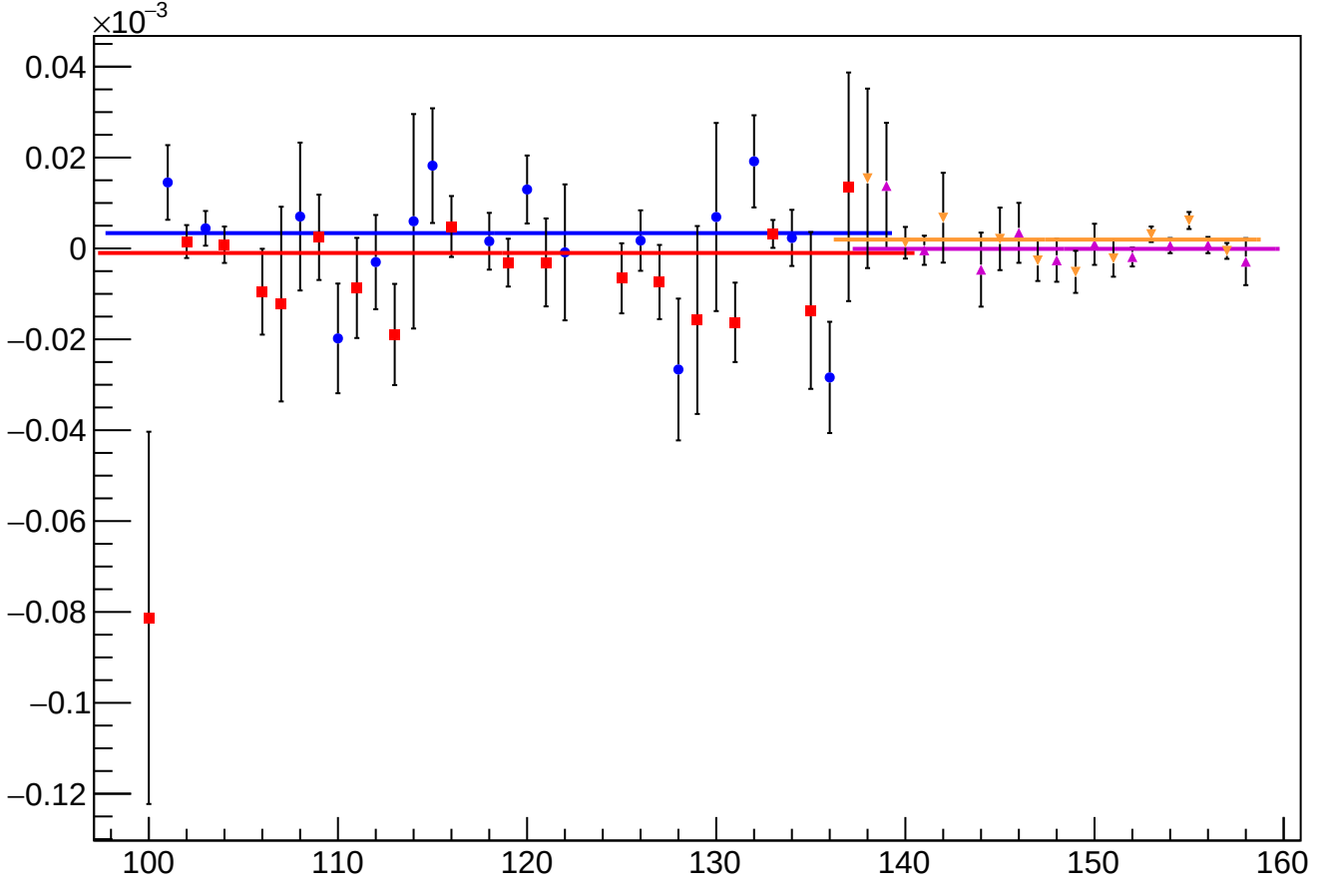
Left: 46.546+/-0.009 χ^2/NDF: 463632.1/19

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.932+/-0.010 χ^2/NDF:2675052.6/25

Out: 49.085+/-0.010 χ^2/NDF:2393375.6/27

All: 48.473+/-0.007 χ^2/NDF: 5075316.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:3.4/9

Left: 0.000+/-0.000 χ^2/NDF: 18.6/19

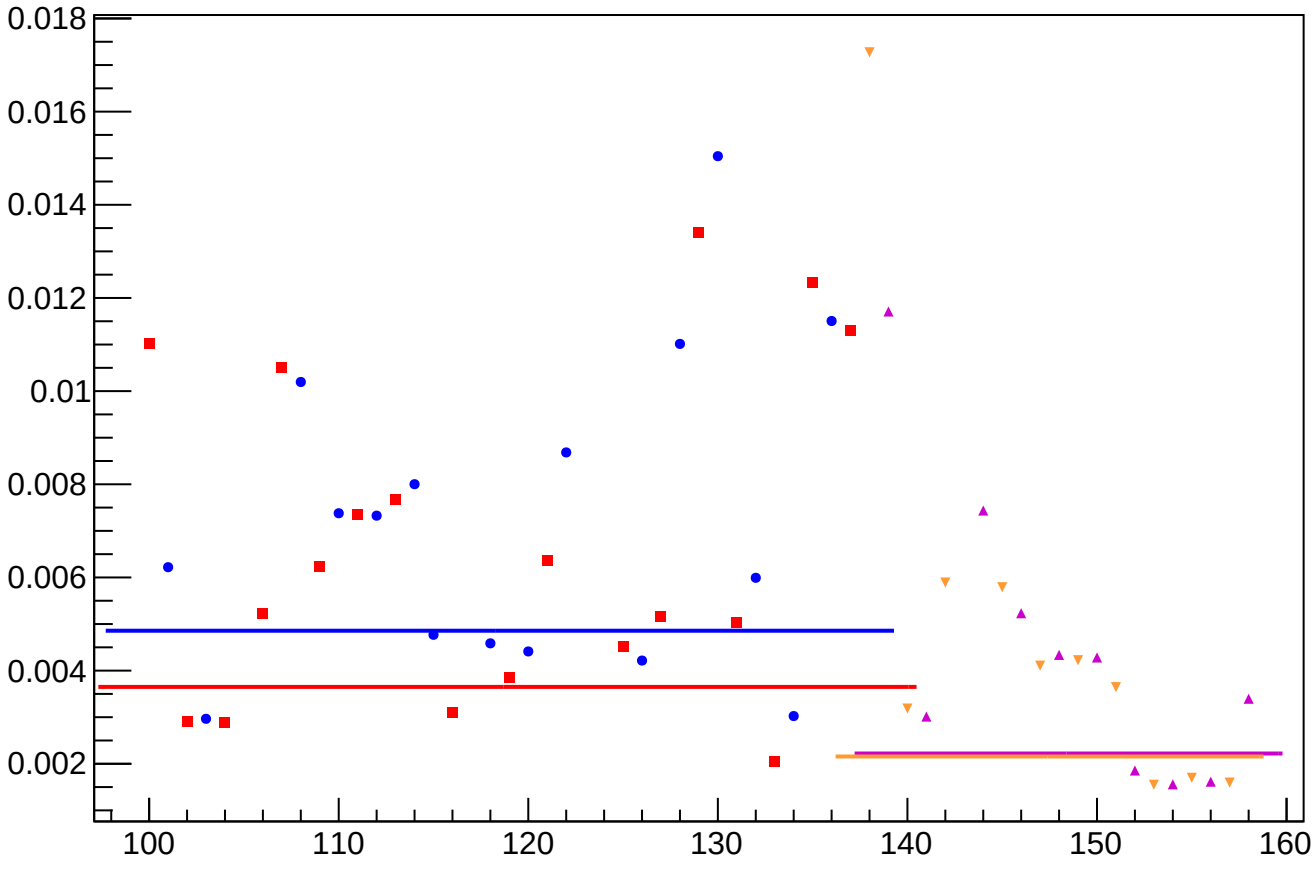
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:27.9/25

Out: 0.000+/-0.000 χ^2/NDF:32.6/27

All: 0.000+/-0.000 χ^2/NDF: 60.9/53

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: 0.002+/-0.000 χ^2/NDF:3810979.6/9

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:3818396.2/9

Left: 0.002+/-0.000 χ^2/NDF: 7634353.9/19

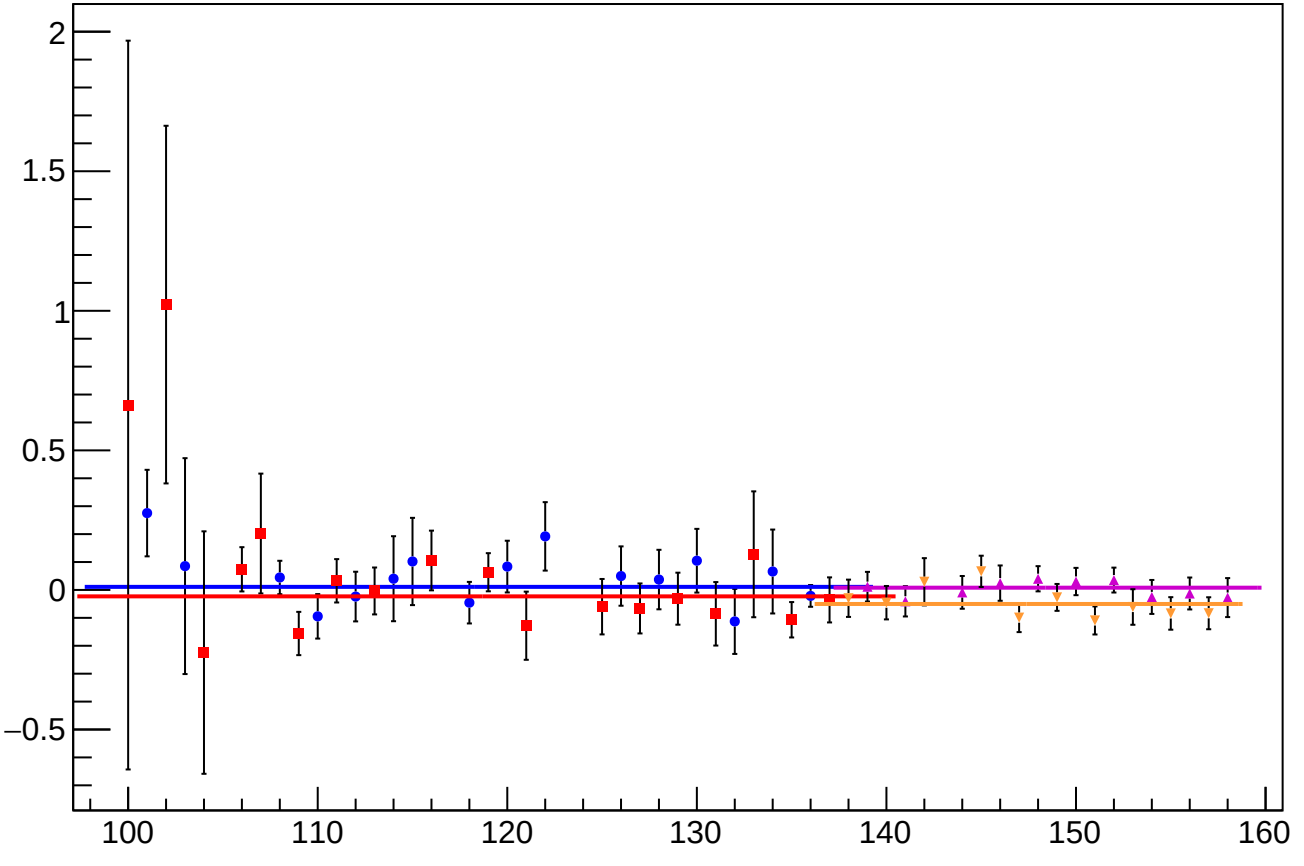
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:9247757.9/25

Out: 0.003+/-0.000 χ^2/NDF:8286339.3/27

All: 0.003+/-0.000 χ^2/NDF: 17558019.1/53

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: -0.050+/-0.018 χ^2/NDF:8.5/9

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.017 χ^2/NDF:2.7/9

Left: -0.019+/-0.012 χ^2/NDF: 16.7/19

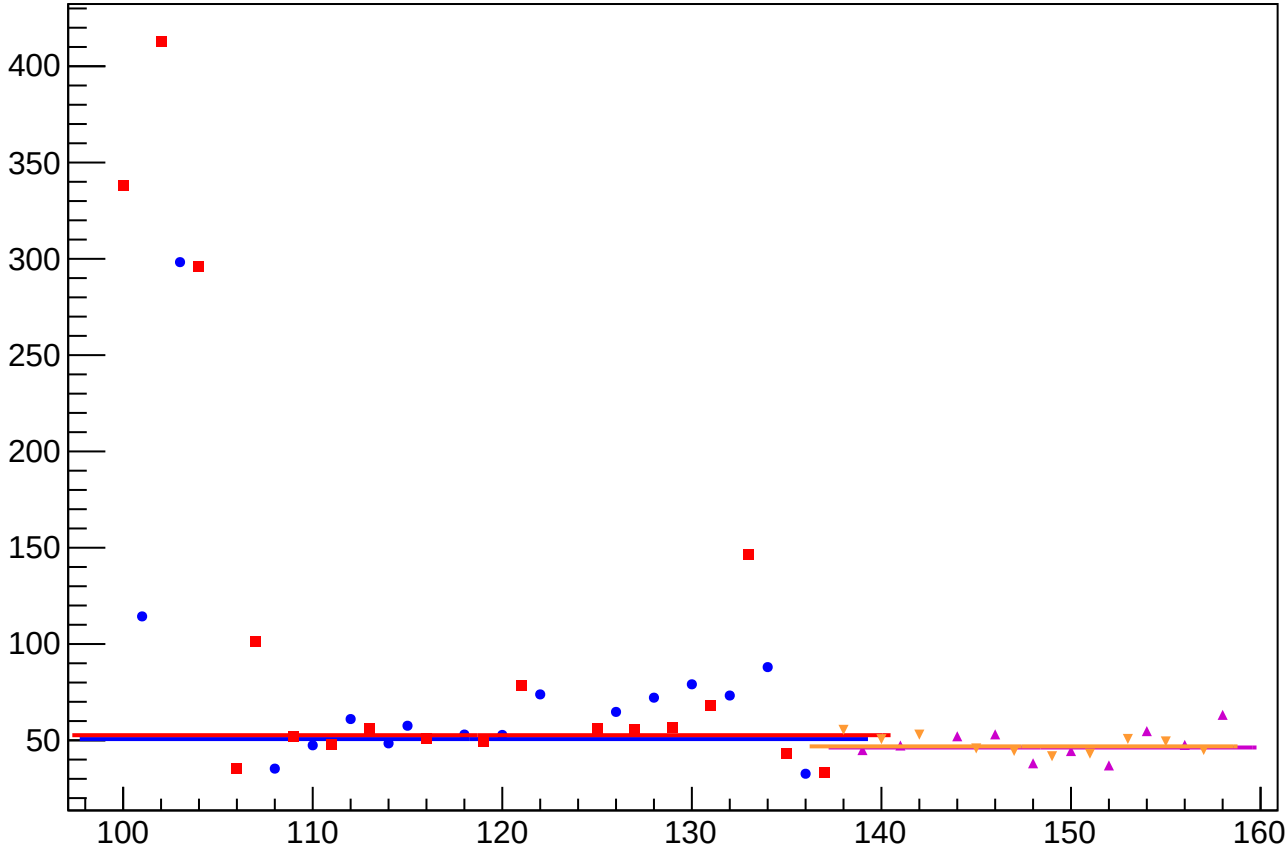
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.013 χ^2/NDF:14.5/25

Out: -0.040+/-0.014 χ^2/NDF:25.4/27

All: -0.014+/-0.010 χ^2/NDF: 46.0/53

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: 46.855+/-0.013 χ^2/NDF:103538.5/9

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.276+/-0.012 χ^2/NDF:359045.3/9

Left: 46.547+/-0.009 χ^2/NDF: 463655.1/19

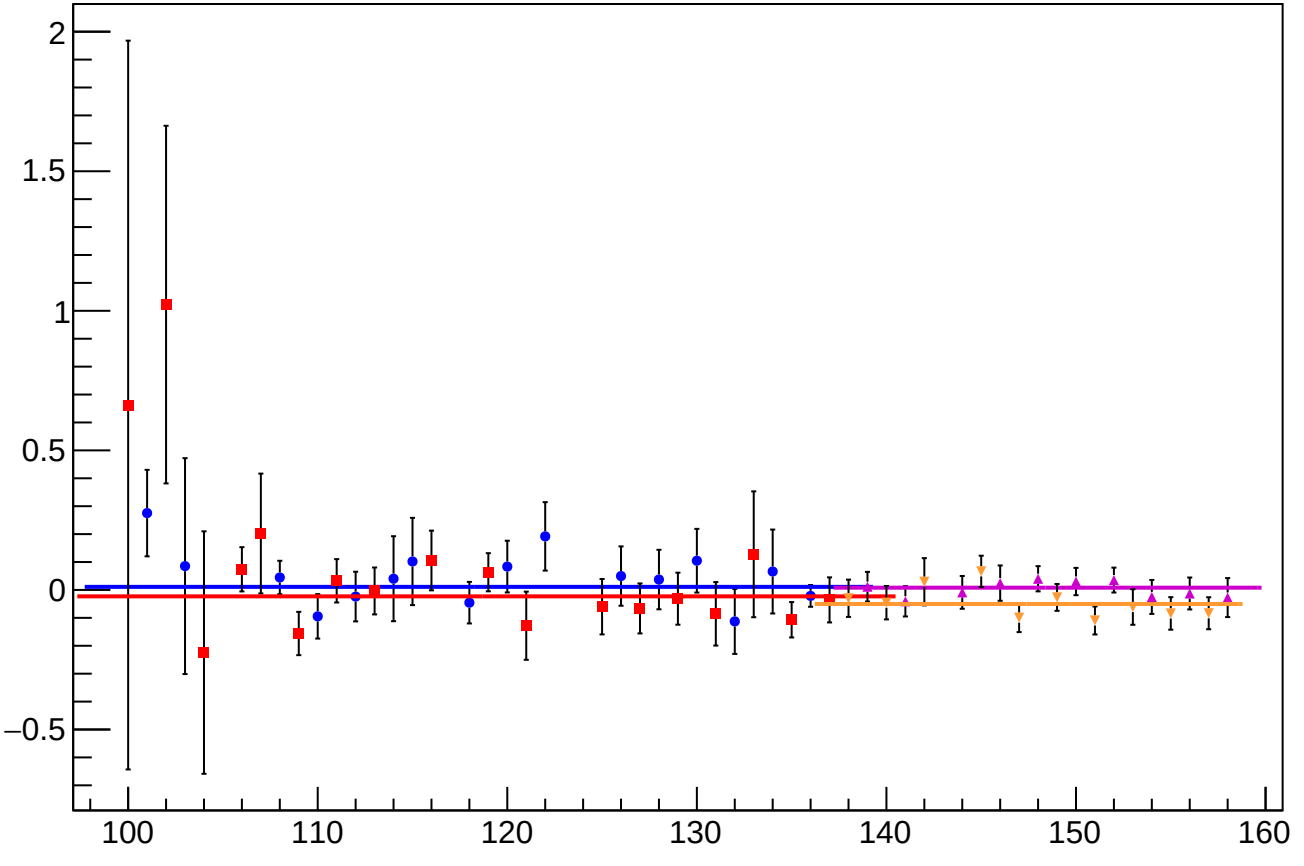
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.932+/-0.010 χ^2/NDF:2674964.6/25

Out: 49.085+/-0.010 χ^2/NDF:2393305.0/27

All: 48.473+/-0.007 χ^2/NDF: 5075155.3/53

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: -0.050+/-0.018 χ^2/NDF:8.5/9

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.017 χ^2/NDF:2.7/9

Left: -0.019+/-0.012 χ^2/NDF: 16.7/19

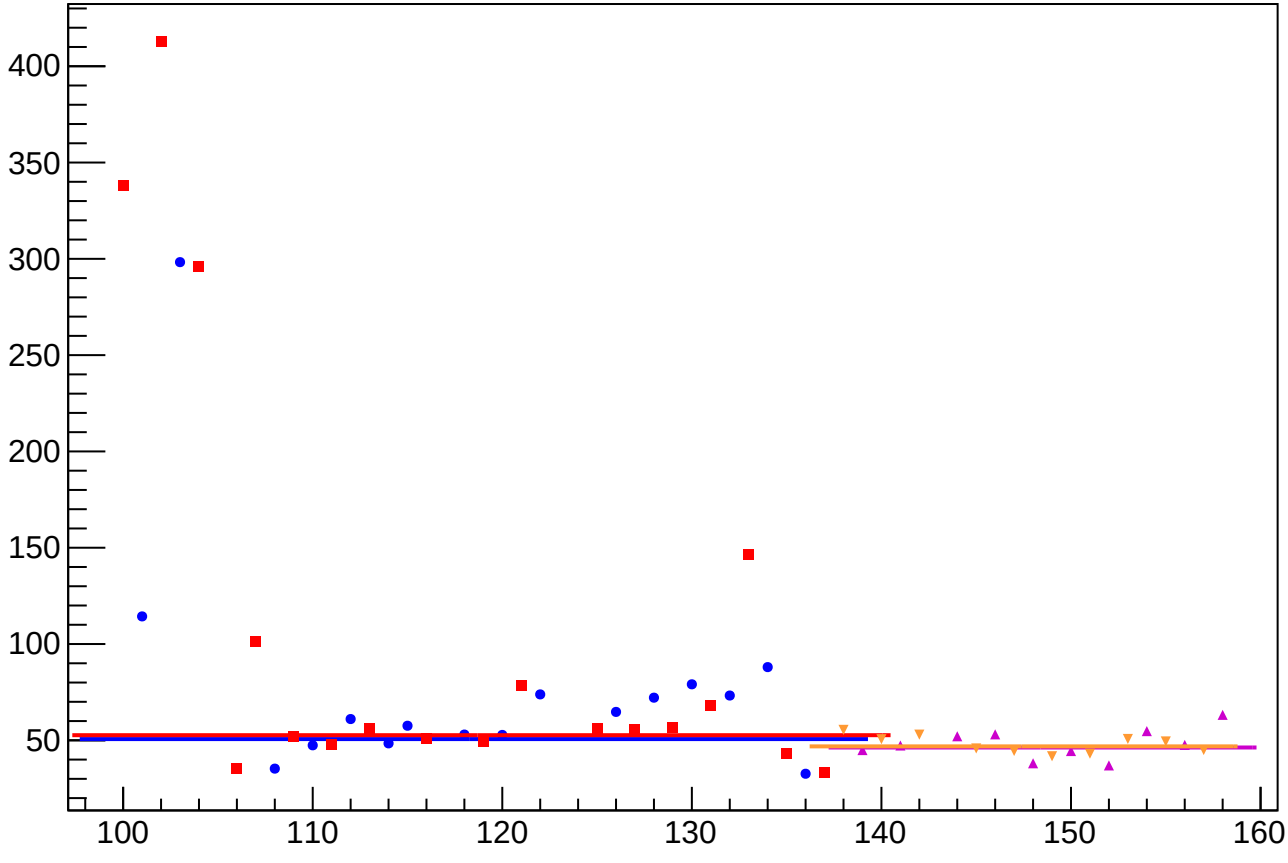
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.013 χ^2/NDF:14.5/25

Out: -0.040+/-0.014 χ^2/NDF:25.4/27

All: -0.014+/-0.010 χ^2/NDF: 46.0/53

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: 46.855+/-0.013 χ^2/NDF:103538.5/9

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.276+/-0.012 χ^2/NDF:359045.3/9

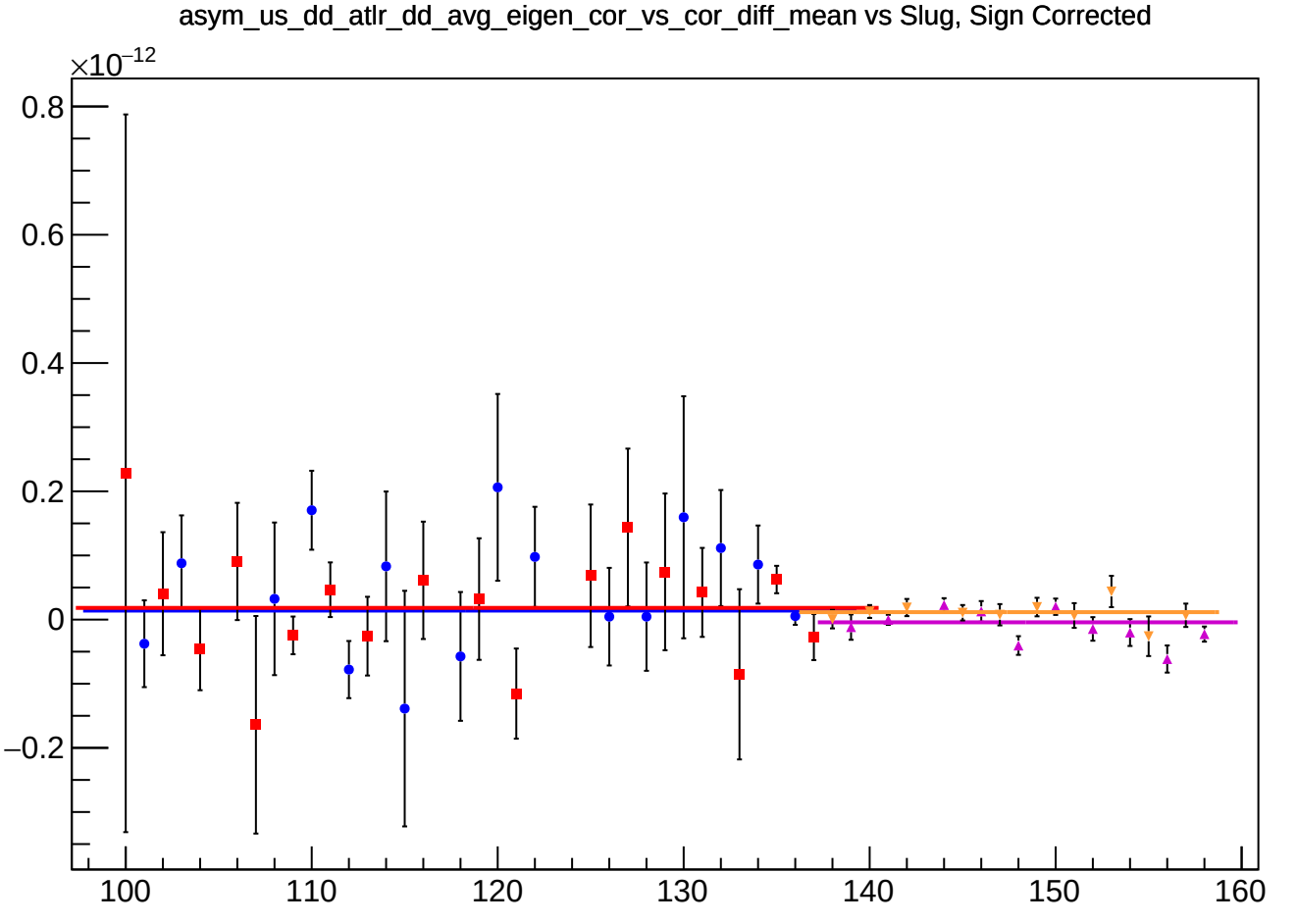
Left: 46.547+/-0.009 χ^2/NDF: 463655.1/19

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.932+/-0.010 χ^2/NDF:2674964.6/25

Out: 49.085+/-0.010 χ^2/NDF:2393305.0/27

All: 48.473+/-0.007 χ^2/NDF: 5075155.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:28.4/9

Left: 0.000+/-0.000 χ^2/NDF: 39.2/19

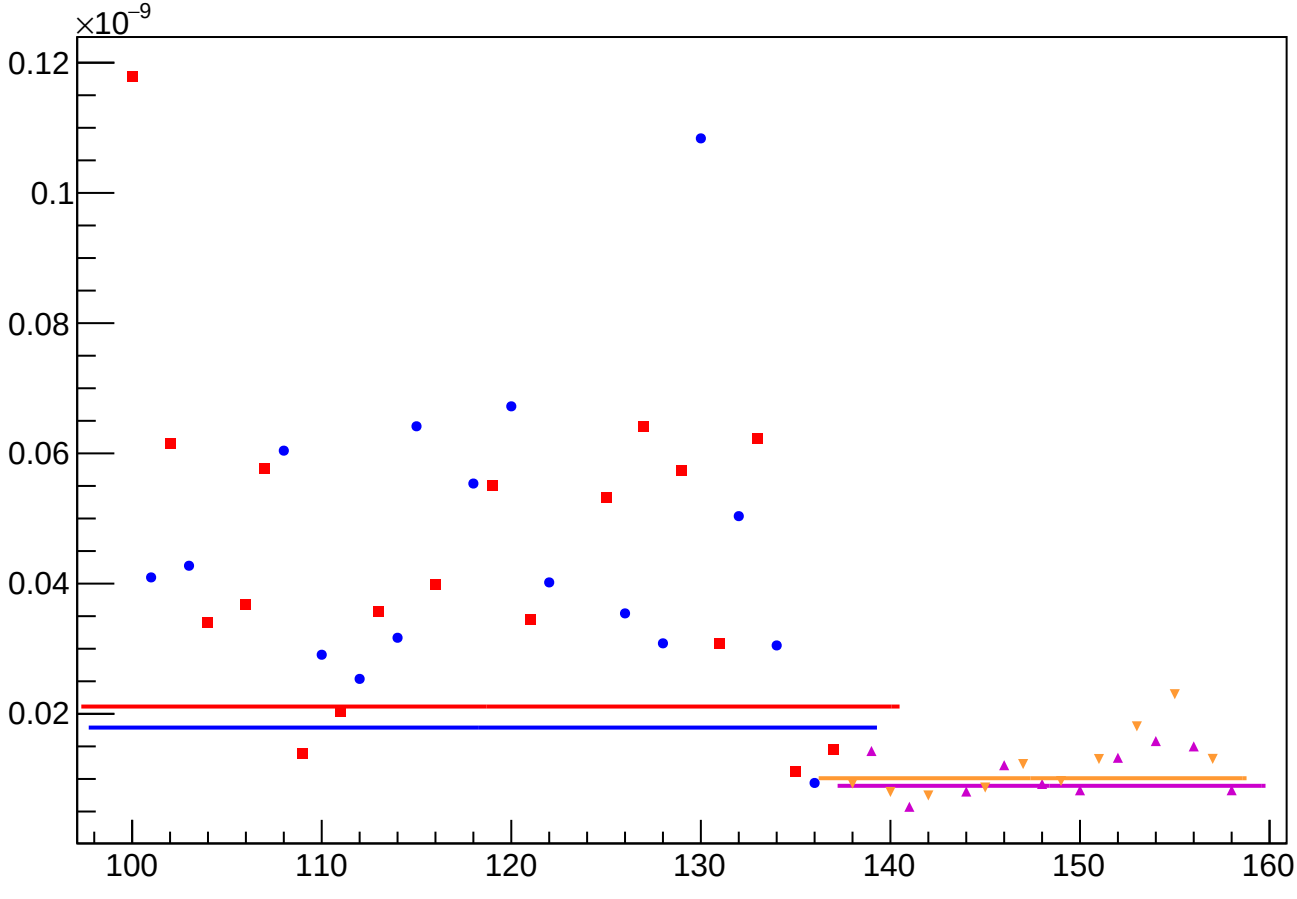
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:51.0/25

Out: 0.000+/-0.000 χ^2/NDF:22.9/27

All: 0.000+/-0.000 χ^2/NDF: 79.8/53

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:898854.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1076655.7/9

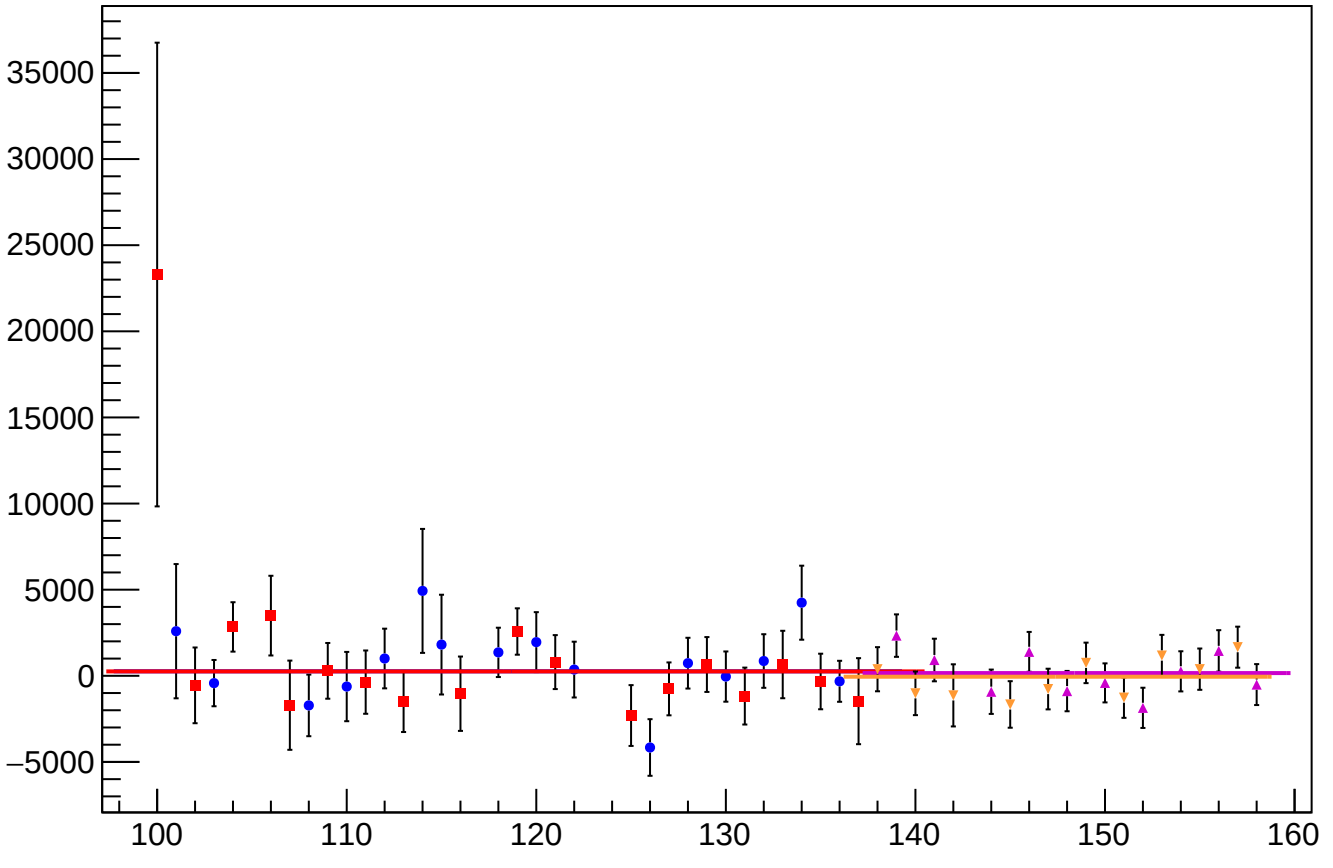
Left: 0.000+/-0.000 χ^2/NDF: 2042986.7/19

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5572983.1/25

Out: 0.000+/-0.000 χ^2/NDF:4868114.3/27

All: 0.000+/-0.000 χ^2/NDF: 10565438.6/53



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -53.026+/-396.842 χ^2/NDF:7.6/9

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 158.326+/-376.890 χ^2/NDF:10.8/9

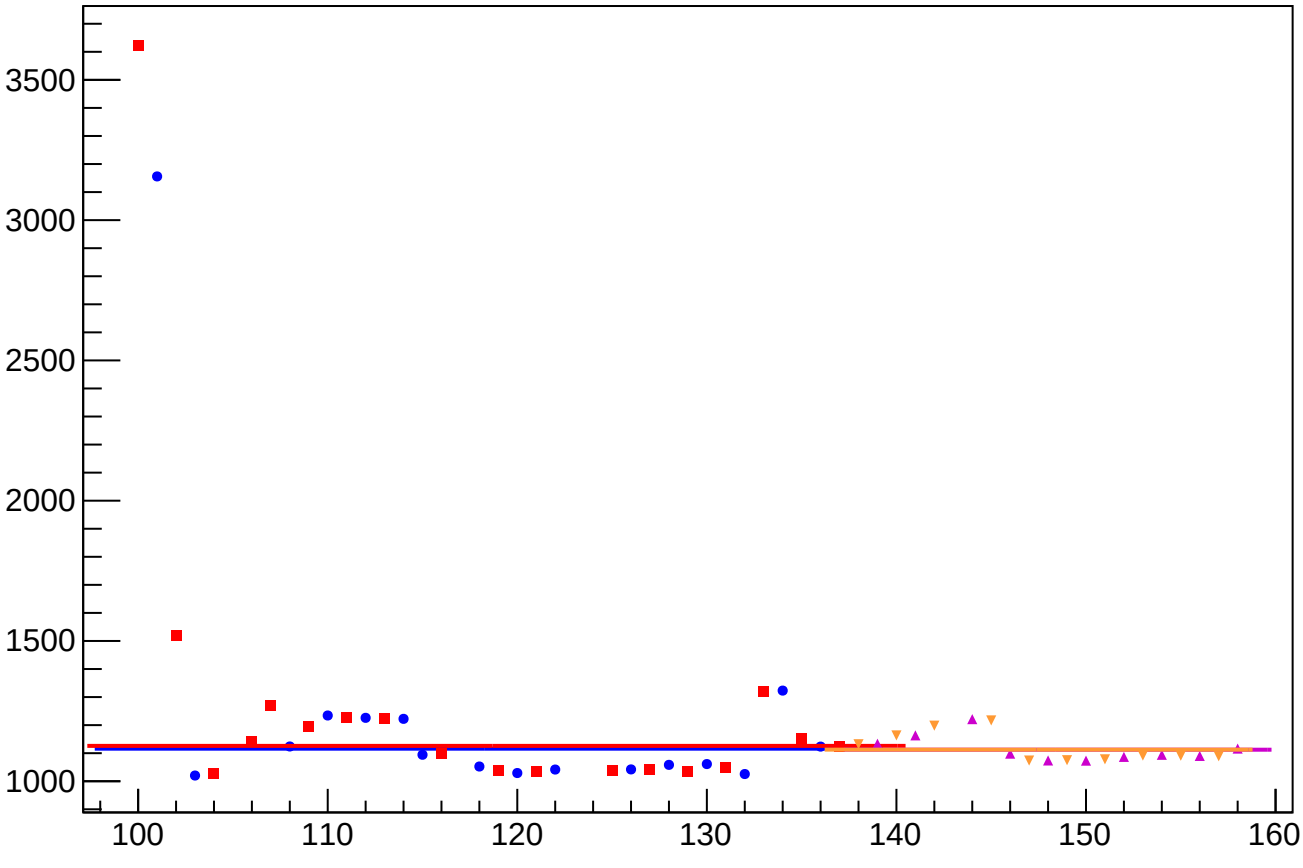
Left: 58.096+/-273.283 χ^2/NDF: 18.6/19

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 203.476+/-281.883 χ^2/NDF:27.8/25

Out: 90.598+/-290.303 χ^2/NDF:25.3/27

All: 148.698+/-202.233 χ^2/NDF: 53.2/53



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1112.615+/-0.281 χ^2/NDF:28046.1/9

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

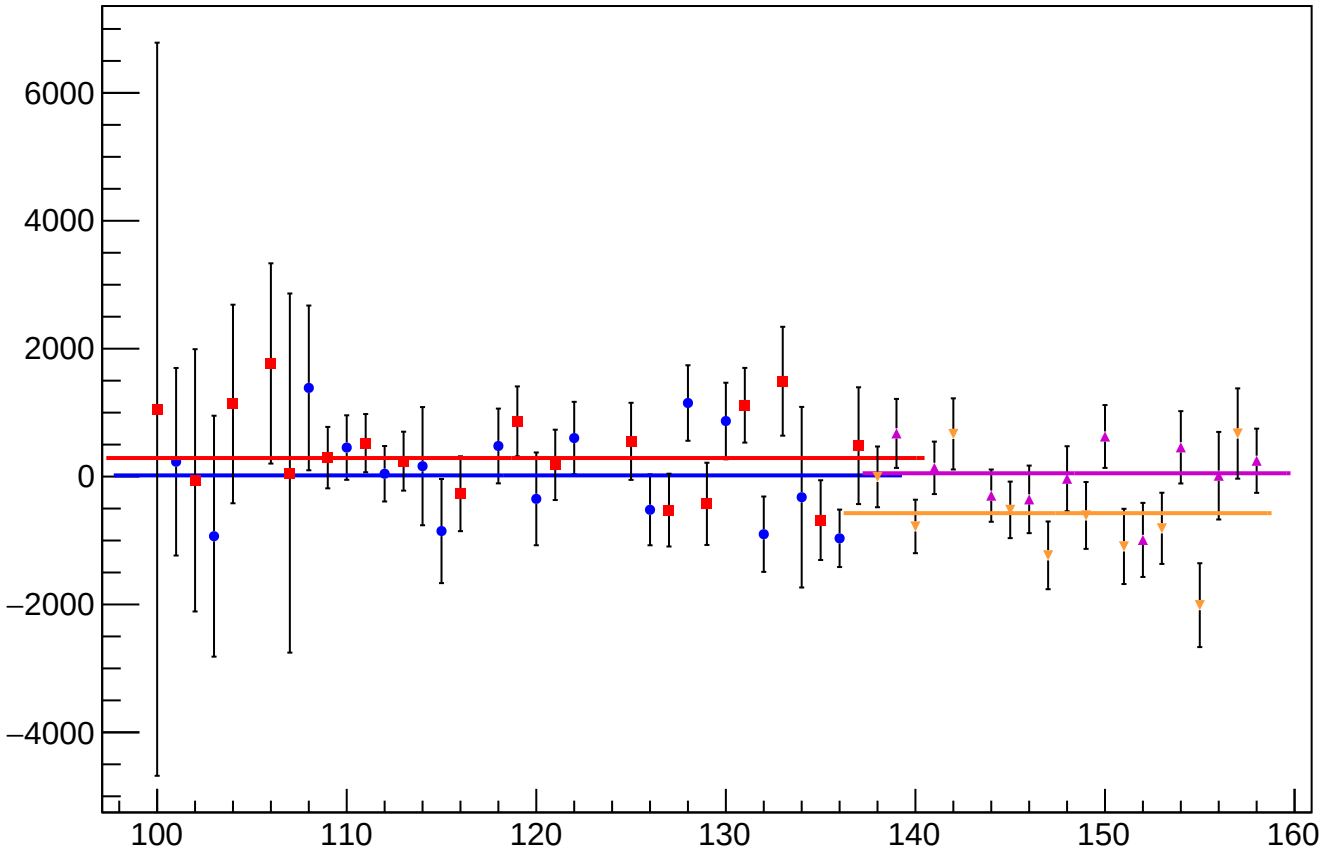
Left: 1112.493+/-0.193 χ^2/NDF: 53337.7/19

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1114.016+/-0.199 χ^2/NDF:648767.3/25

Out: 1118.844+/-0.205 χ^2/NDF:251212.3/27

All: 1116.359+/-0.143 χ^2/NDF: 900264.2/53



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -572.228+/-166.275 χ^2/NDF:17.1/9

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 51.590+/-159.803 χ^2/NDF:8.0/9

Left: -247.941+/-115.218 χ^2/NDF: 32.4/19

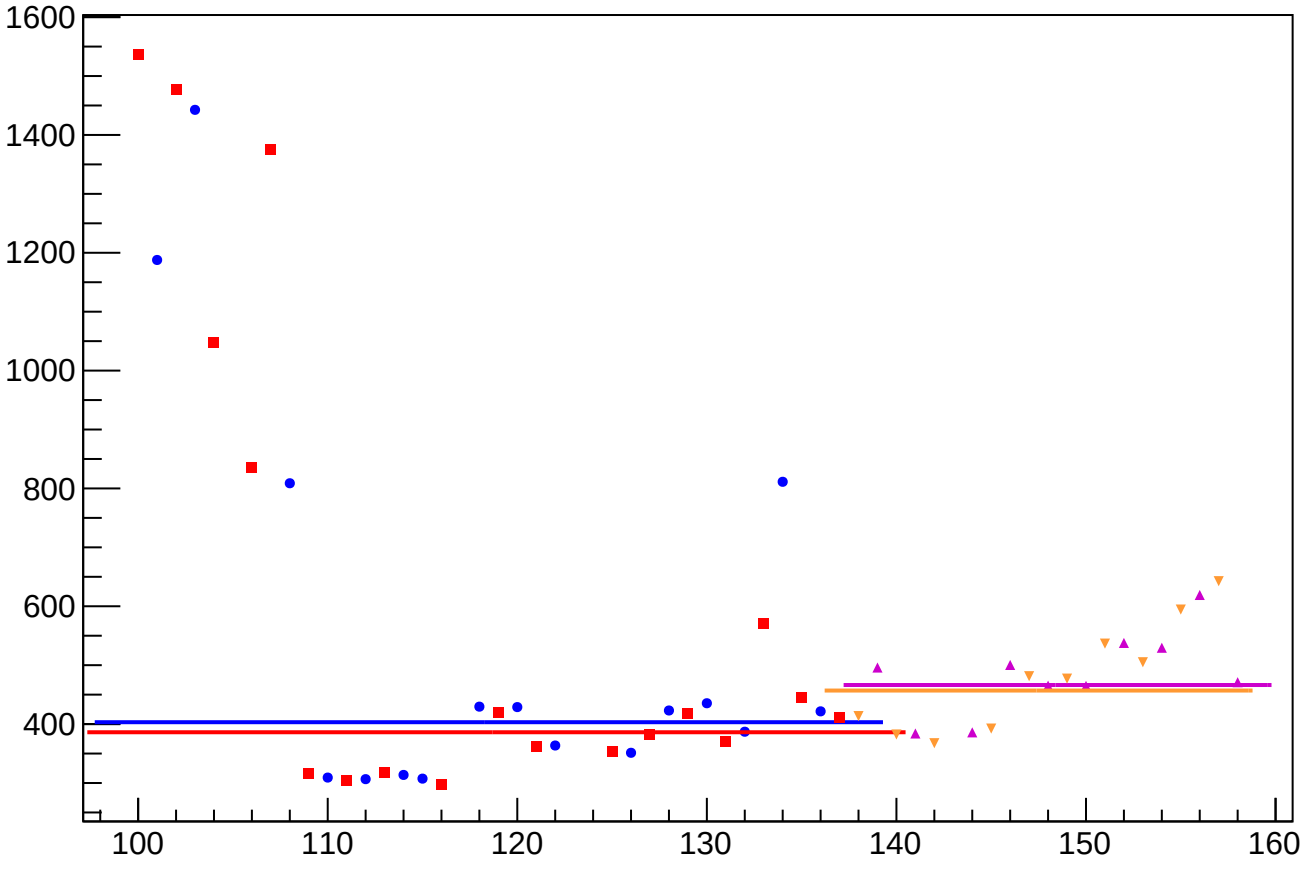
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 35.177+/-113.501 χ^2/NDF:27.2/25

Out: -114.200+/-113.841 χ^2/NDF:44.9/27

All: -39.288+/-80.377 χ^2/NDF: 73.0/53

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: 456.945+/-0.118 χ^2/NDF:459479.4/9

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 466.332+/-0.113 χ^2/NDF:327389.7/9

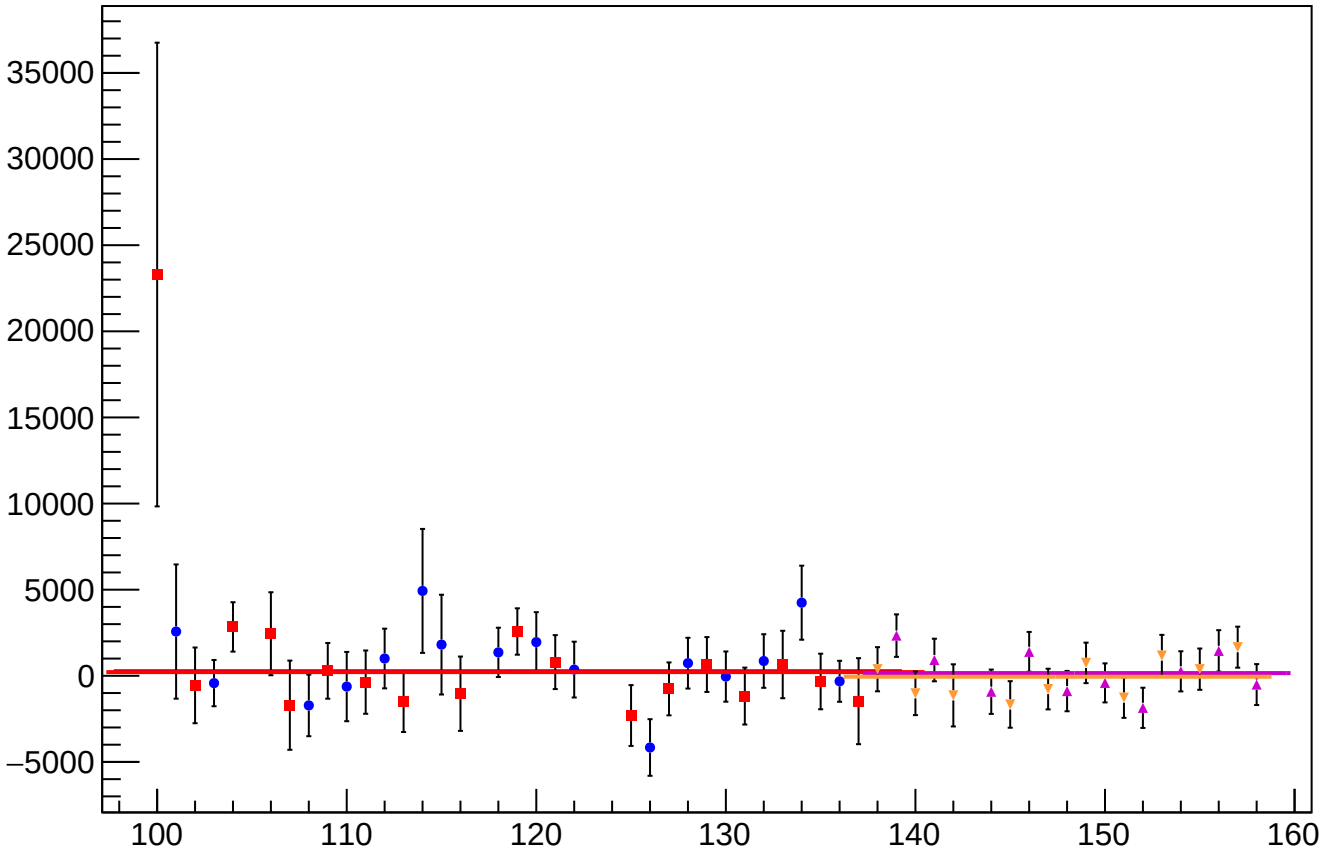
Left: 461.825+/-0.081 χ^2/NDF: 790182.5/19

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 435.045+/-0.080 χ^2/NDF:2290528.9/25

Out: 419.333+/-0.080 χ^2/NDF:2411224.2/27

All: 427.213+/-0.057 χ^2/NDF: 4720858.3/53



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -53.005+/-396.842 χ^2/NDF:7.6/9

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 158.335+/-376.890 χ^2/NDF:10.8/9

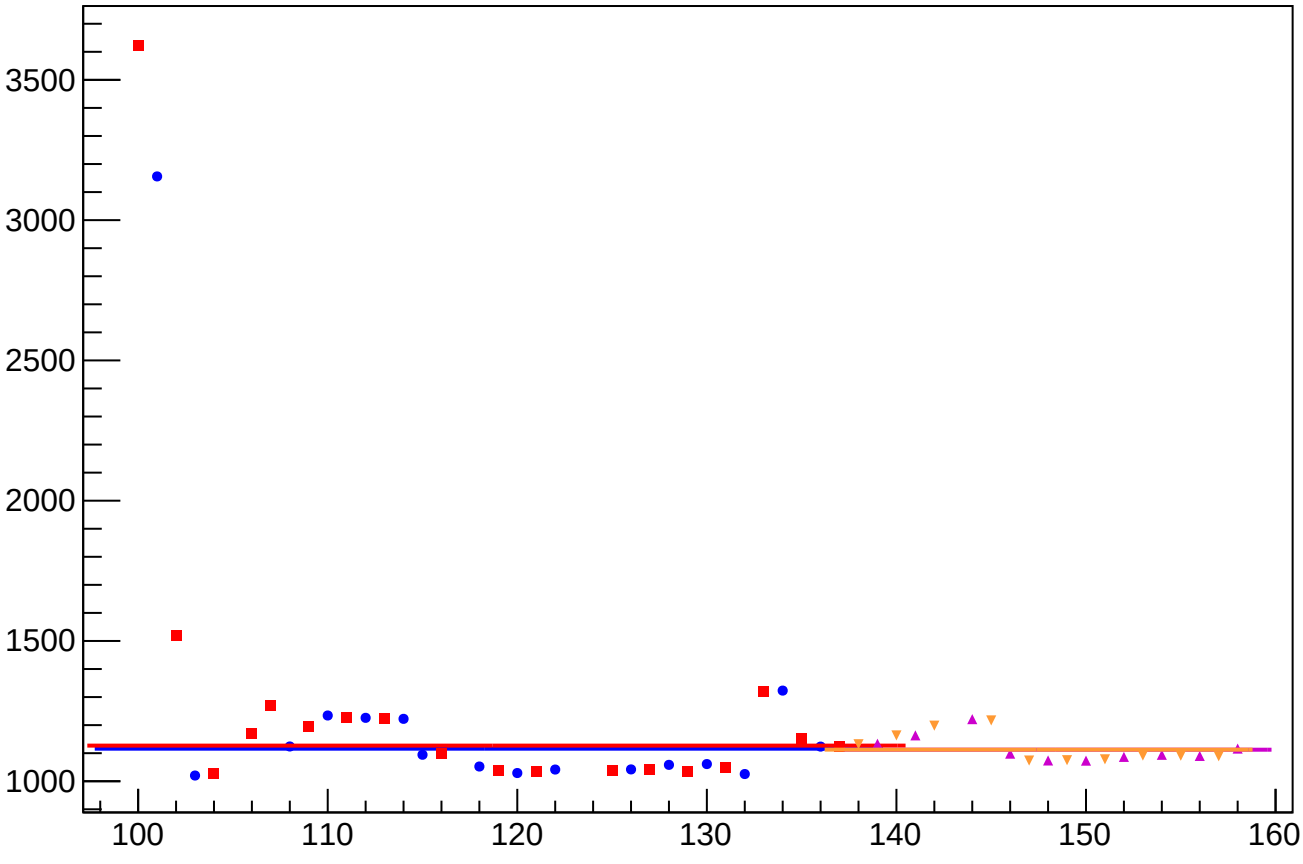
Left: 58.111+/-273.283 χ^2/NDF: 18.6/19

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 203.313+/-281.883 χ^2/NDF:27.8/25

Out: 71.174+/-290.479 χ^2/NDF:24.1/27

All: 139.228+/-202.292 χ^2/NDF: 52.0/53



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1112.615+/-0.281 χ^2/NDF:28046.1/9

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

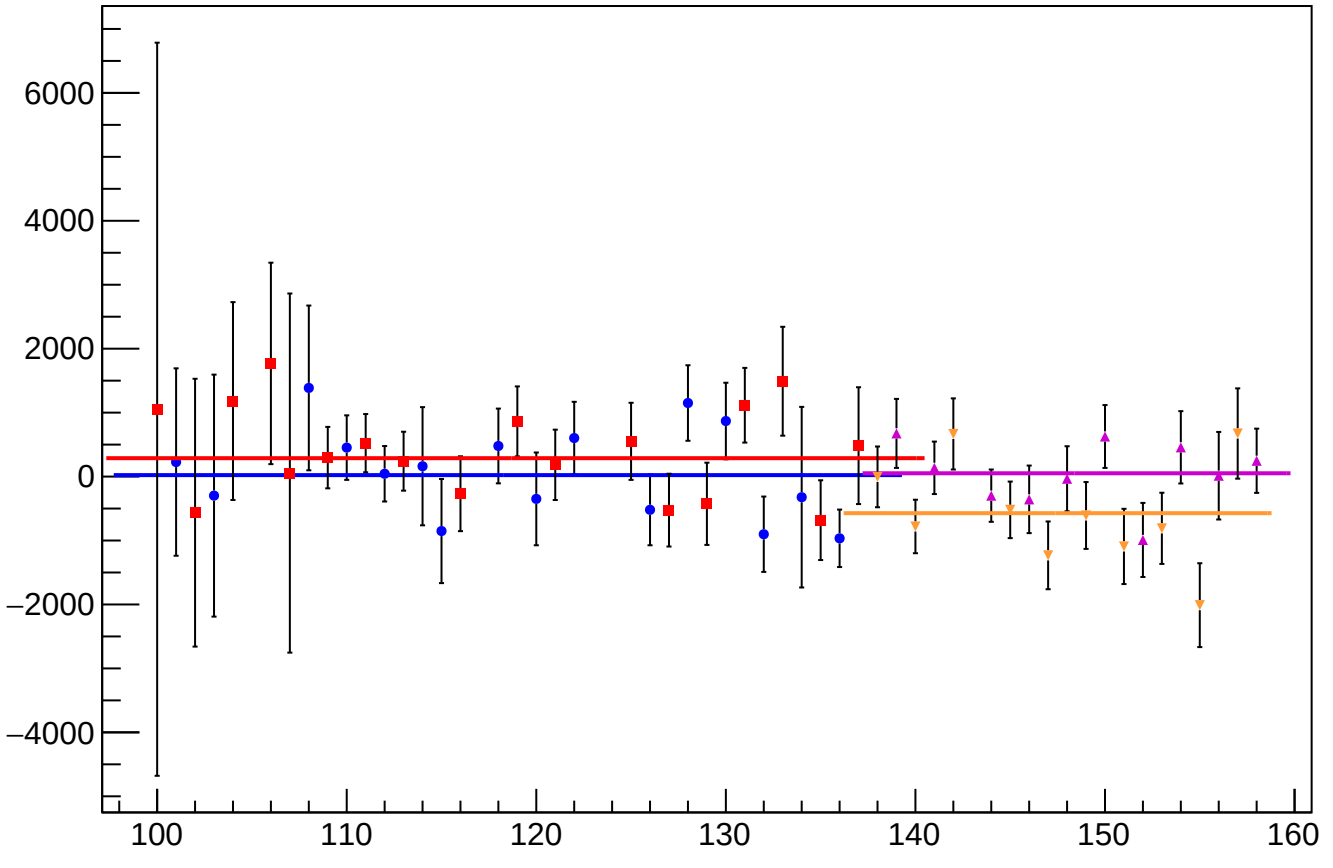
Left: 1112.493+/-0.193 χ^2/NDF: 53337.7/19

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1114.016+/-0.199 χ^2/NDF:648768.3/25

Out: 1119.274+/-0.205 χ^2/NDF:251999.5/27

All: 1116.566+/-0.143 χ^2/NDF: 901105.2/53



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -572.332+/-166.275 χ^2/NDF:17.1/9

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 51.640+/-159.801 χ^2/NDF:8.0/9

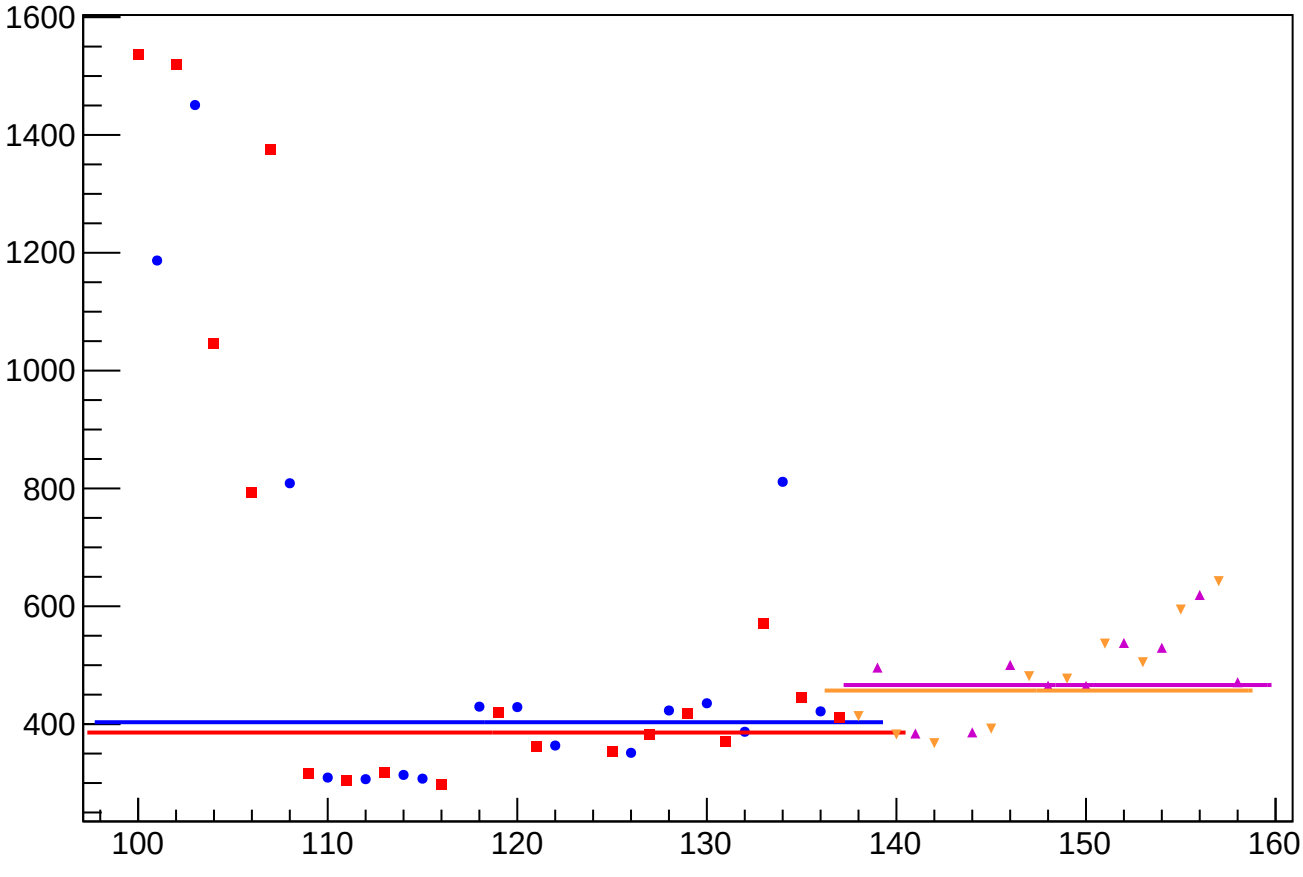
Left: -247.964+/-115.217 χ^2/NDF: 32.4/19

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 37.410+/-113.501 χ^2/NDF:27.0/25

Out: -115.552+/-113.850 χ^2/NDF:45.0/27

All: -38.837+/-80.380 χ^2/NDF: 72.9/53



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 456.943+/-0.118 χ^2/NDF:459500.7/9

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 466.328+/-0.113 χ^2/NDF:327368.3/9

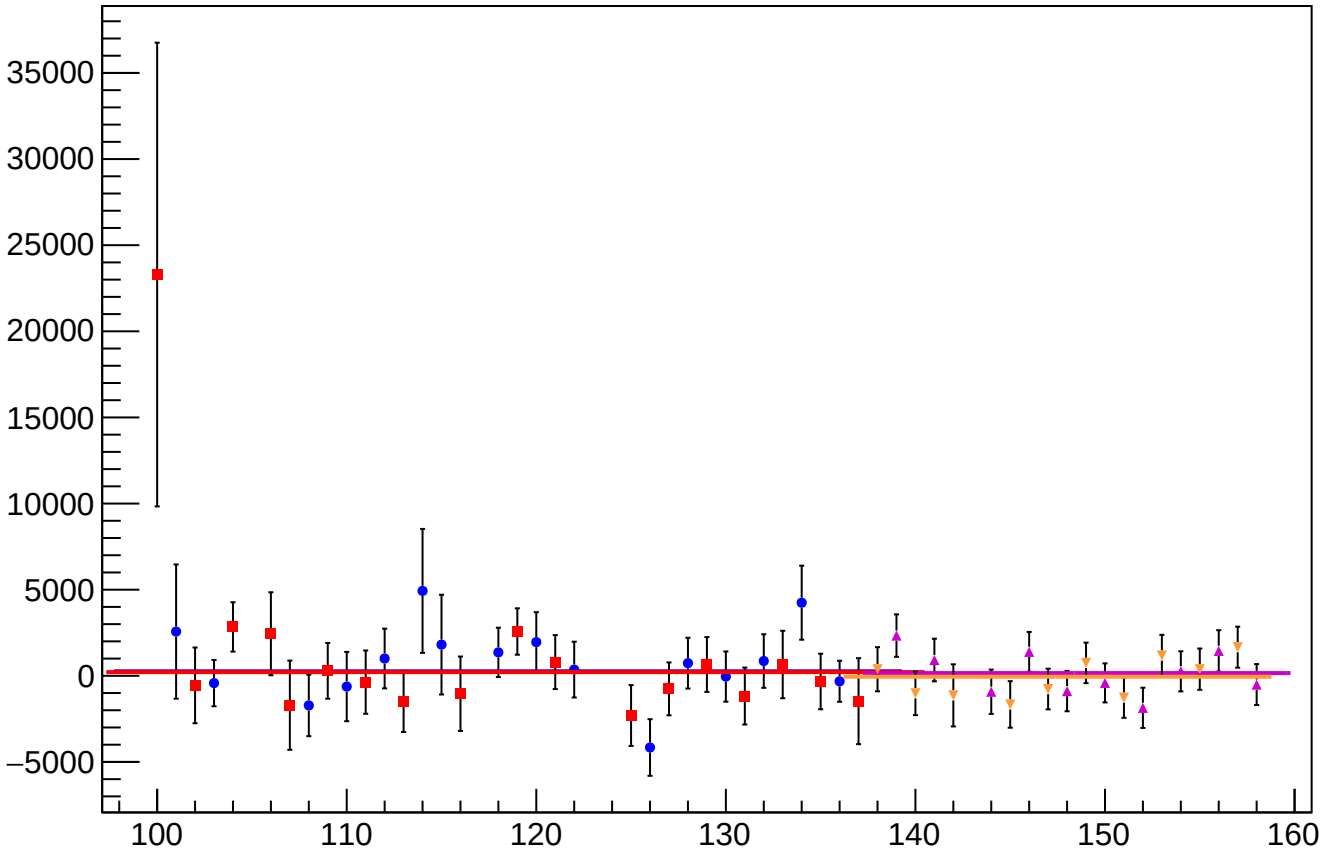
Left: 461.821+/-0.081 χ^2/NDF: 790181.5/19

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 435.038+/-0.080 χ^2/NDF:2294226.5/25

Out: 419.091+/-0.081 χ^2/NDF:2401780.1/27

All: 427.089+/-0.057 χ^2/NDF: 4715686.5/53



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -53.005+/-396.842 χ^2/NDF:7.6/9

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 158.335+/-376.890 χ^2/NDF:10.8/9

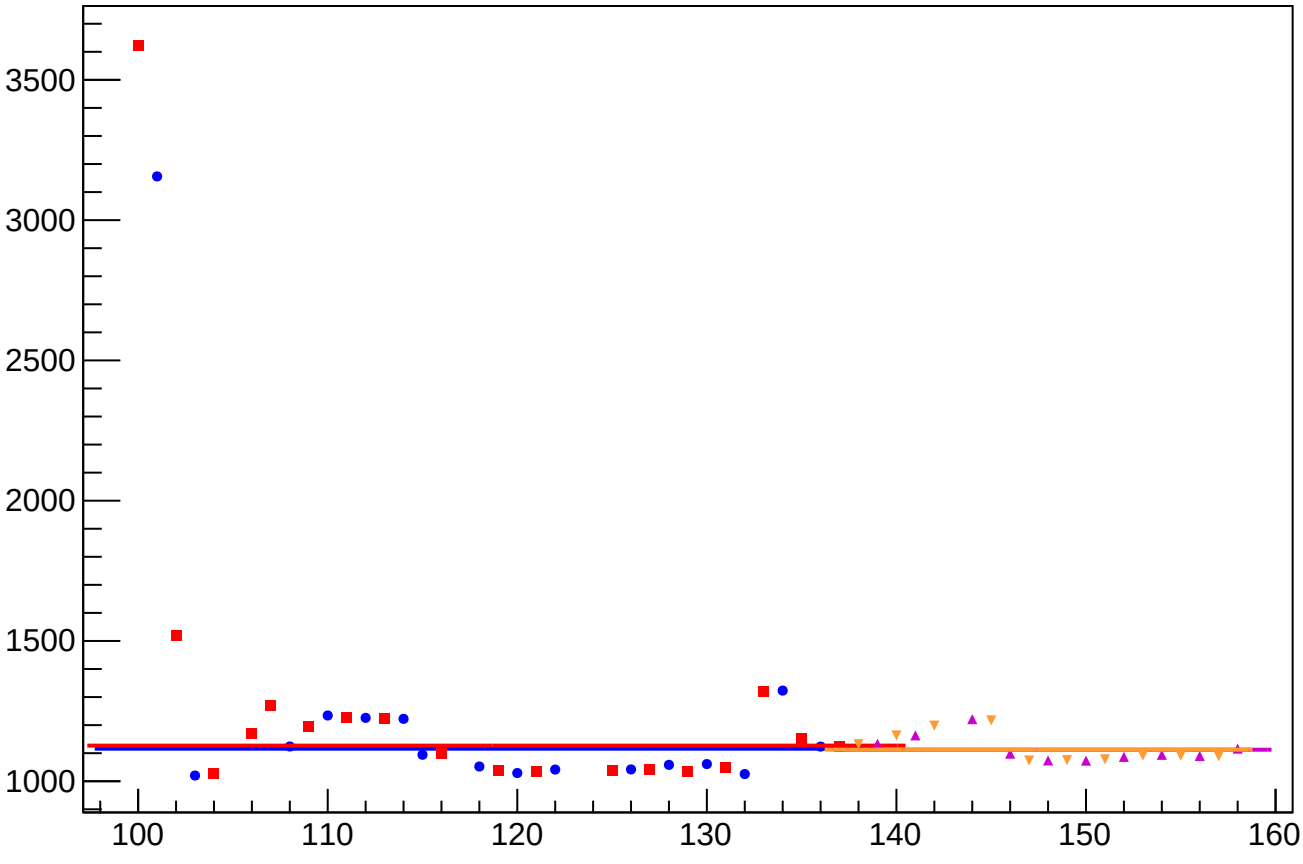
Left: 58.111+/-273.283 χ^2/NDF: 18.6/19

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 203.313+/-281.883 χ^2/NDF:27.8/25

Out: 71.174+/-290.479 χ^2/NDF:24.1/27

All: 139.228+/-202.292 χ^2/NDF: 52.0/53



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1112.615+/-0.281 χ^2/NDF:28046.1/9

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

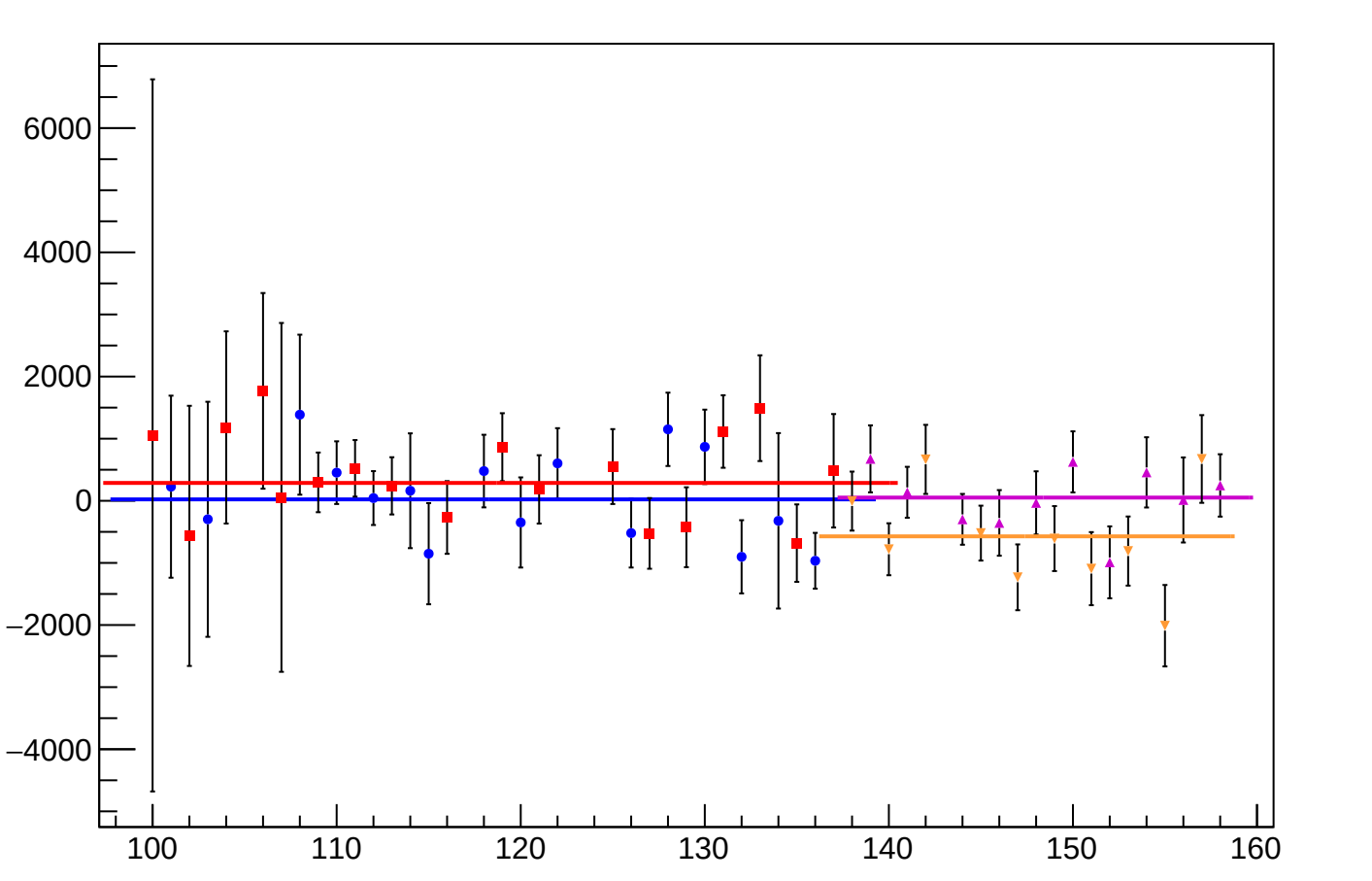
Left: 1112.493+/-0.193 χ^2/NDF: 53337.7/19

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

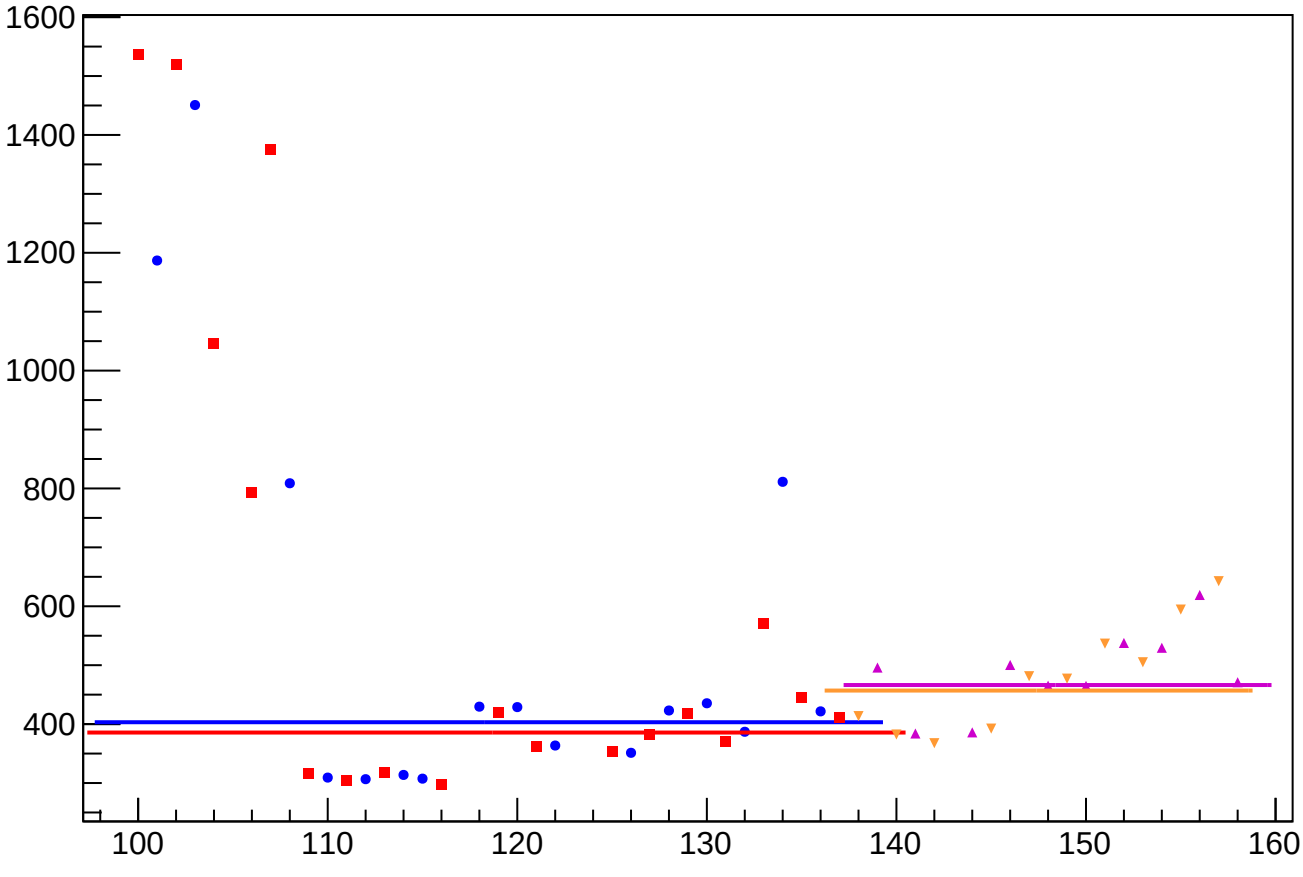
In: 1114.016+/-0.199 χ^2/NDF:648768.3/25

Out: 1119.274+/-0.205 χ^2/NDF:251999.5/27

All: 1116.566+/-0.143 χ^2/NDF: 901105.2/53


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -572.332+/-166.275 χ²/NDF:17.1/9
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: 51.640+/-159.801 χ²/NDF:8.0/9
Left: -247.964+/-115.217 χ²/NDF: 32.4/19
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: 37.410+/-113.501 χ²/NDF:27.0/25
Out: -115.552+/-113.850 χ²/NDF:45.0/27
All: -38.837+/-80.380 χ²/NDF: 72.9/53

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: 456.943+/-0.118 χ^2/NDF:459500.7/9

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 466.328+/-0.113 χ^2/NDF:327368.3/9

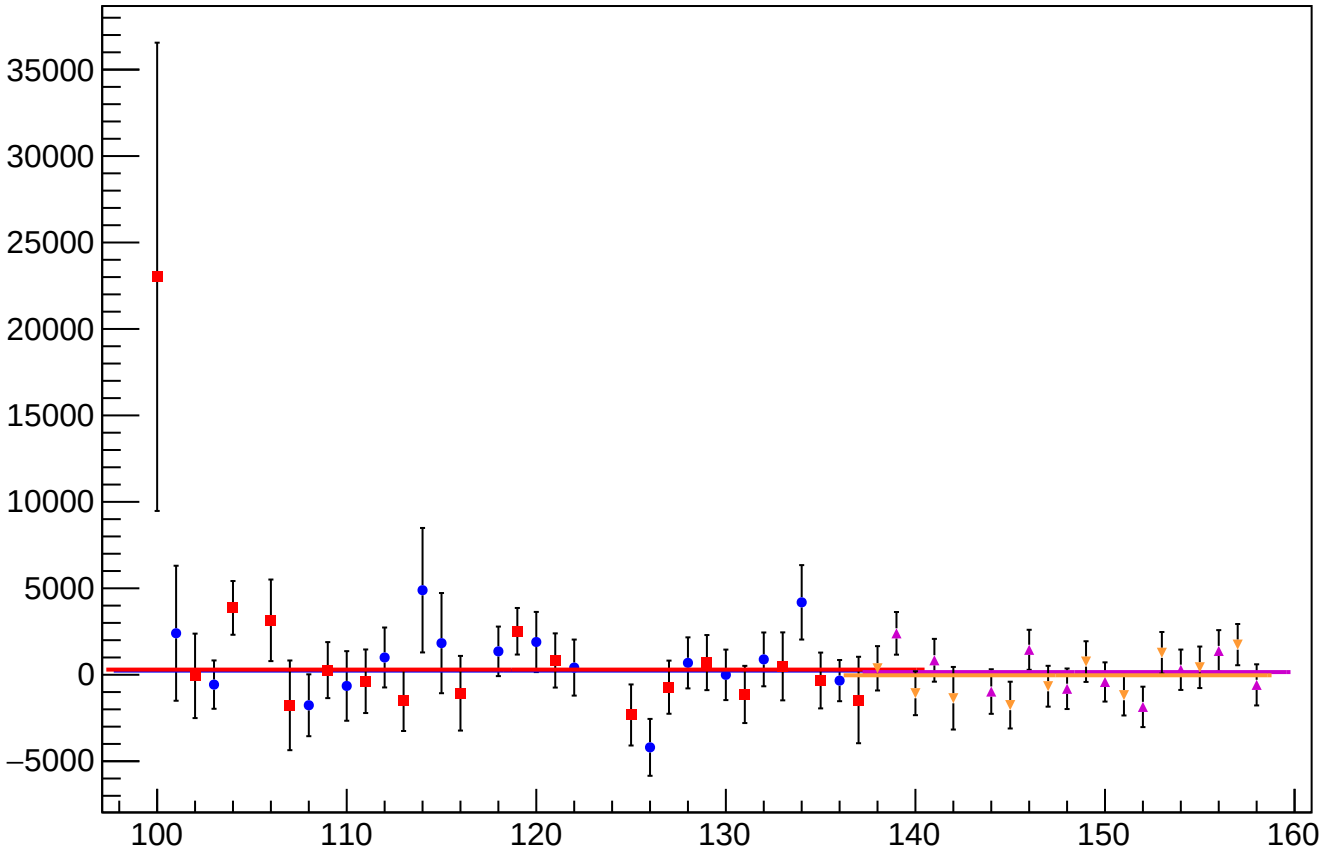
Left: 461.821+/-0.081 χ^2/NDF: 790181.5/19

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 435.038+/-0.080 χ^2/NDF:2294226.5/25

Out: 419.091+/-0.081 χ^2/NDF:2401780.1/27

All: 427.089+/-0.057 χ^2/NDF: 4715686.5/53



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -29.410+/-397.325 χ^2/NDF:8.2/9

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 155.321+/-377.300 χ^2/NDF:10.9/9

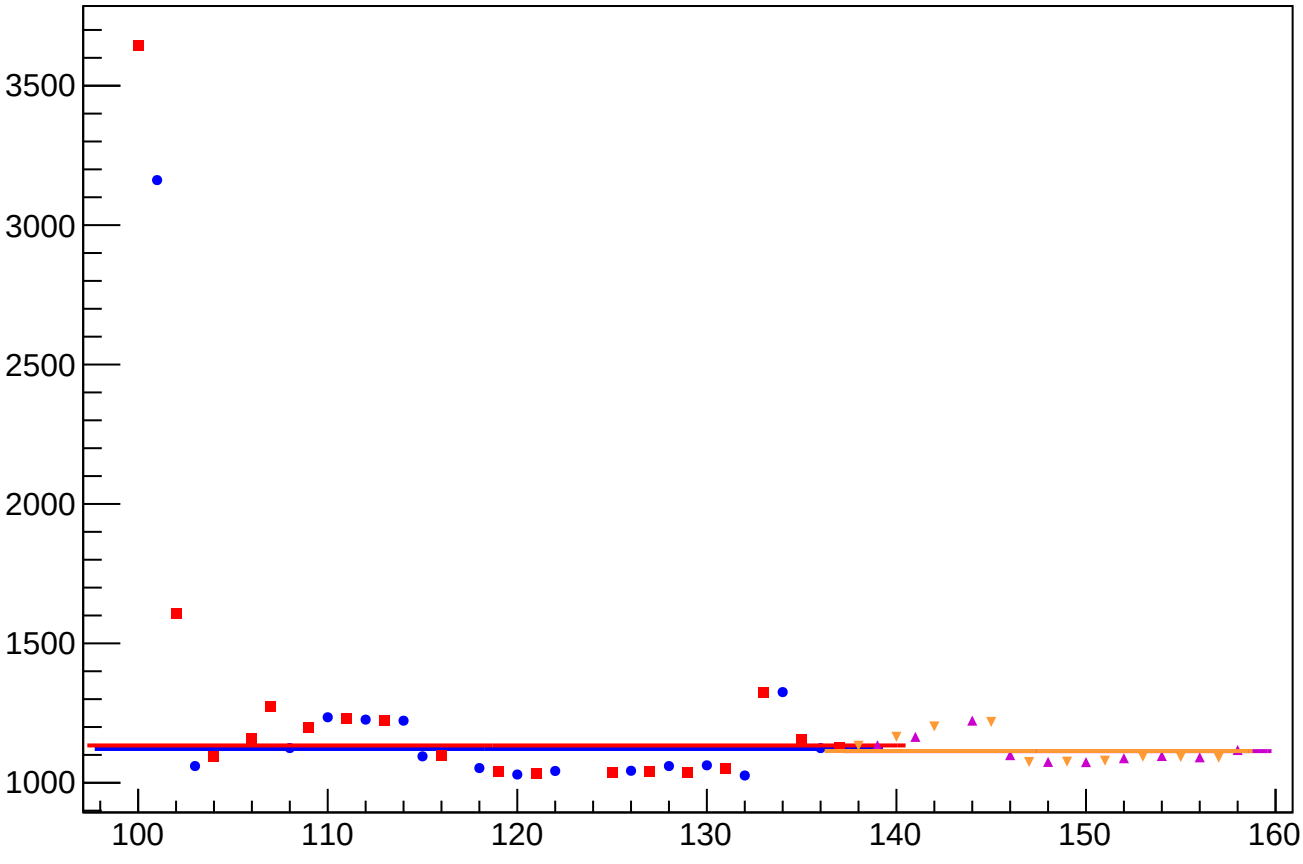
Left: 67.728+/-273.597 χ^2/NDF: 19.2/19

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 192.851+/-282.619 χ^2/NDF:27.9/25

Out: 121.517+/-292.059 χ^2/NDF:27.2/27

All: 158.355+/-203.097 χ^2/NDF: 55.1/53



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1113.946+/-0.281 χ^2/NDF:28397.4/9

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1113.586+/-0.267 χ^2/NDF:25381.3/9

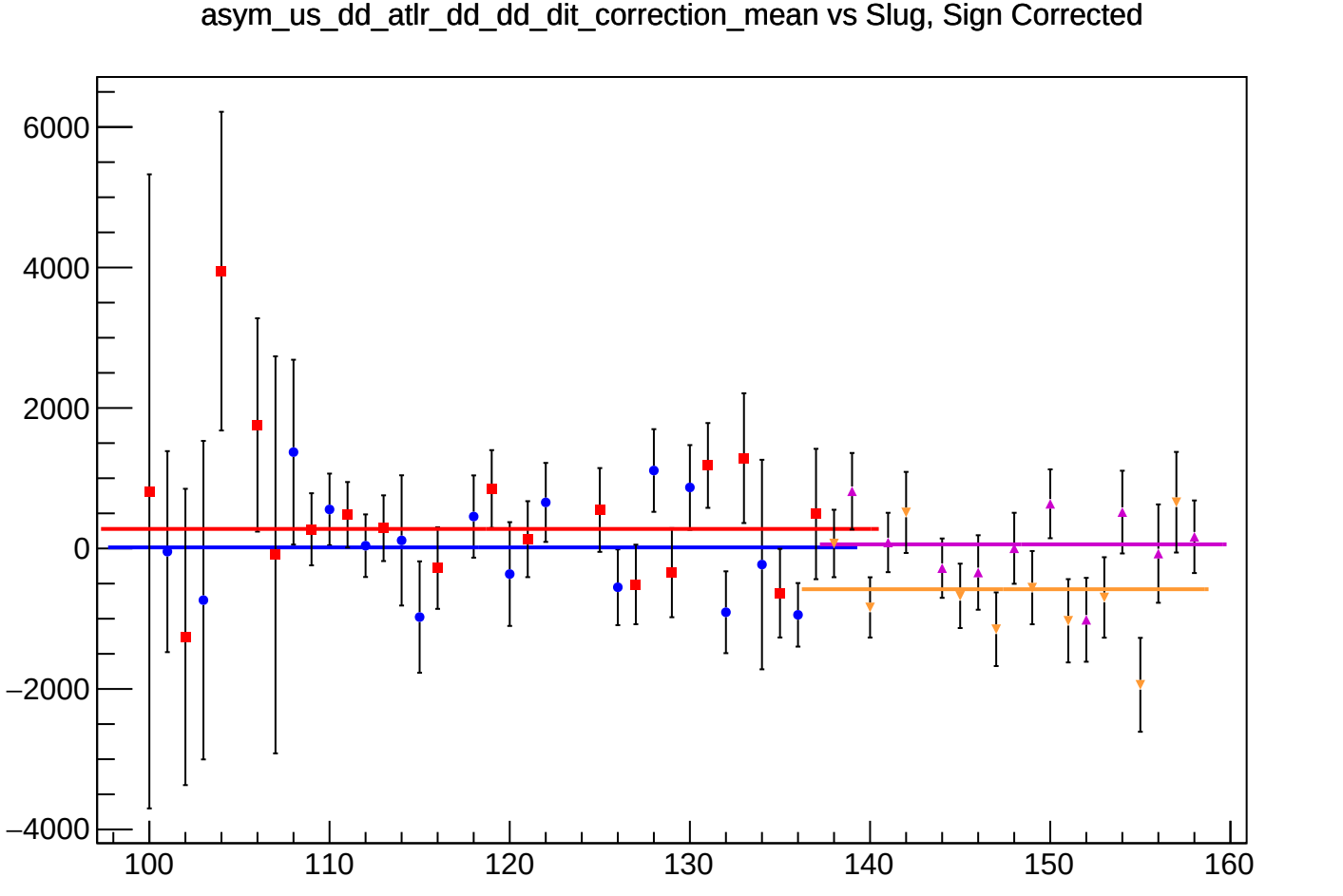
Left: 1113.757+/-0.193 χ^2/NDF: 53779.6/19

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

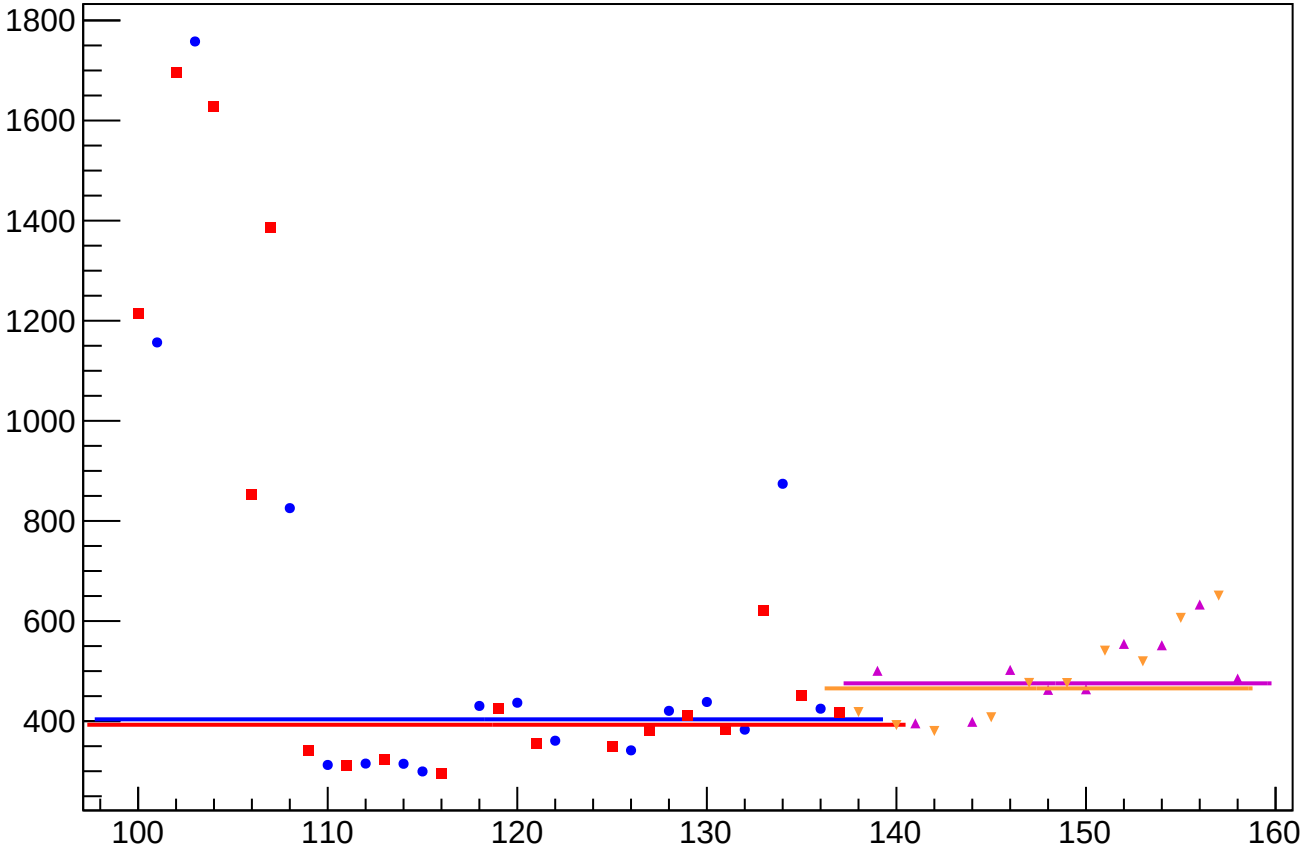
In: 1116.969+/-0.200 χ^2/NDF:642776.1/25

Out: 1123.132+/-0.207 χ^2/NDF:258180.0/27

All: 1119.949+/-0.144 χ^2/NDF: 901416.0/53


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -580.215+/-169.185 χ²/NDF:14.8/9
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: 58.921+/-162.882 χ²/NDF:8.5/9
Left: -248.521+/-117.340 χ²/NDF: 30.6/19
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: 36.967+/-114.807 χ²/NDF:28.1/25
Out: -123.903+/-115.796 χ²/NDF:43.5/27
All: -42.777+/-81.528 χ²/NDF: 72.6/53

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: 465.469+/-0.120 χ^2/NDF:427668.1/9

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 475.566+/-0.115 χ^2/NDF:319562.5/9

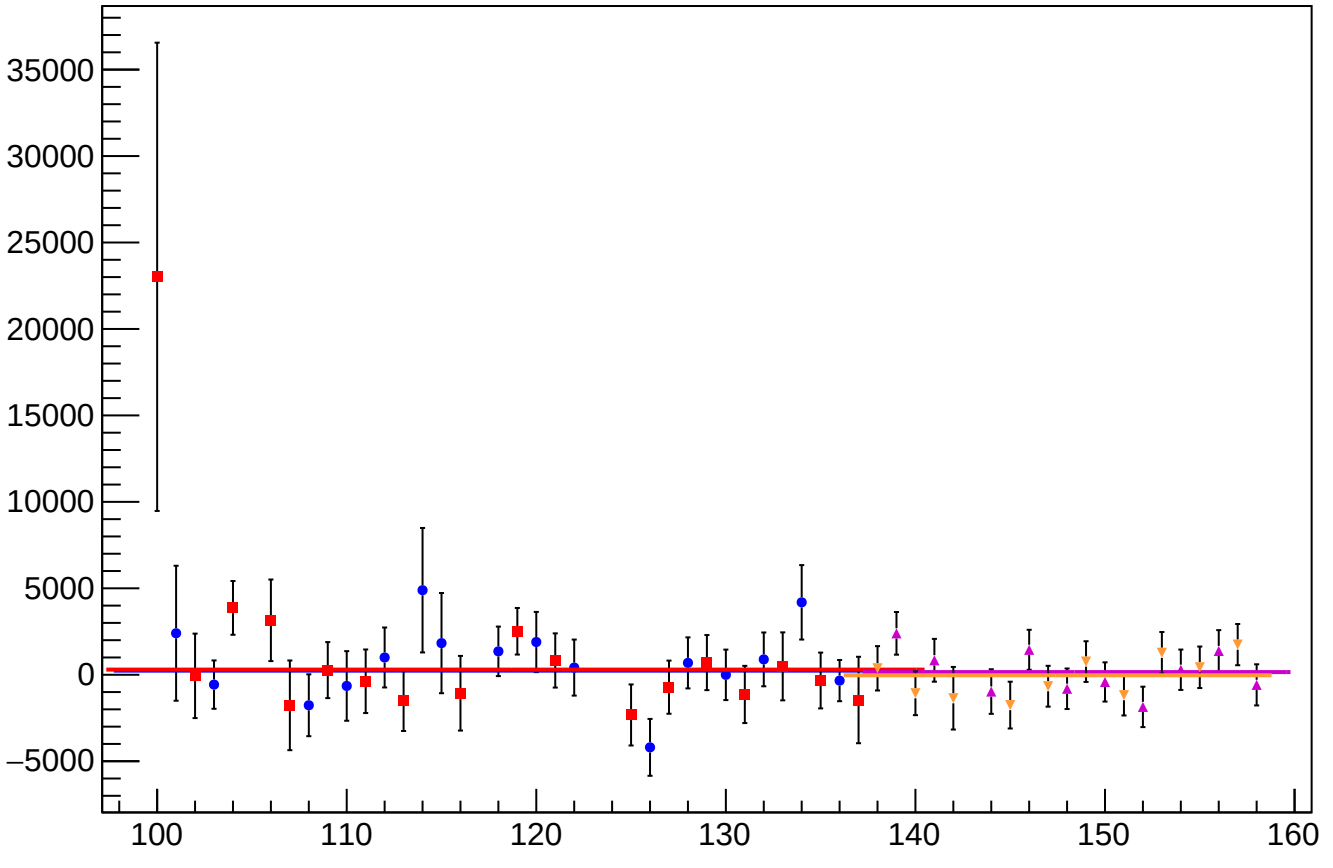
Left: 470.709+/-0.083 χ^2/NDF: 750927.0/19

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 439.381+/-0.081 χ^2/NDF:2445313.7/25

Out: 426.853+/-0.082 χ^2/NDF:2827147.1/27

All: 433.171+/-0.058 χ^2/NDF: 5284266.0/53



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -29.416+/-397.325 χ^2/NDF:8.2/9

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 155.319+/-377.300 χ^2/NDF:10.9/9

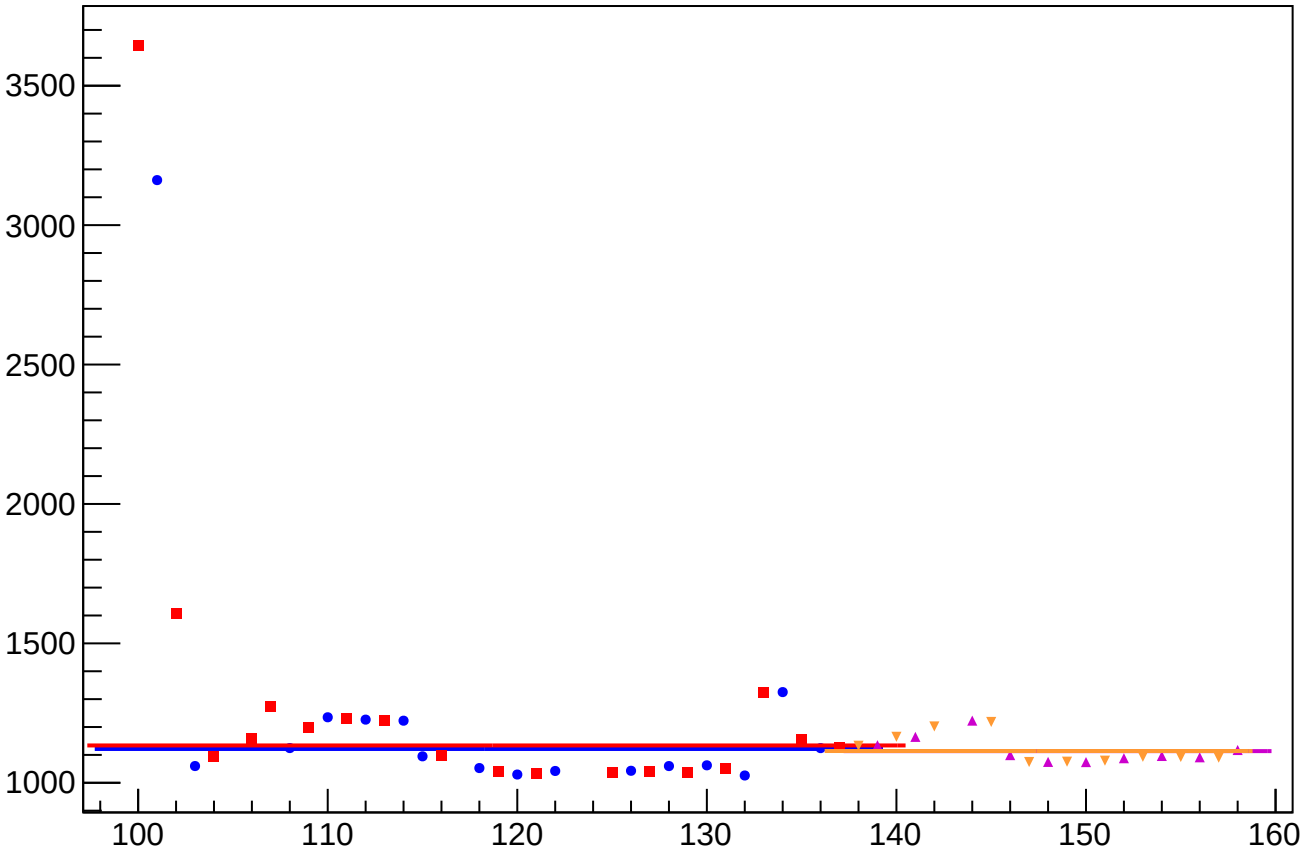
Left: 67.724+/-273.597 χ^2/NDF: 19.2/19

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 192.851+/-282.619 χ^2/NDF:27.9/25

Out: 121.515+/-292.059 χ^2/NDF:27.2/27

All: 158.354+/-203.097 χ^2/NDF: 55.1/53



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1113.946+/-0.281 χ^2/NDF:28397.4/9

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1113.586+/-0.267 χ^2/NDF:25381.4/9

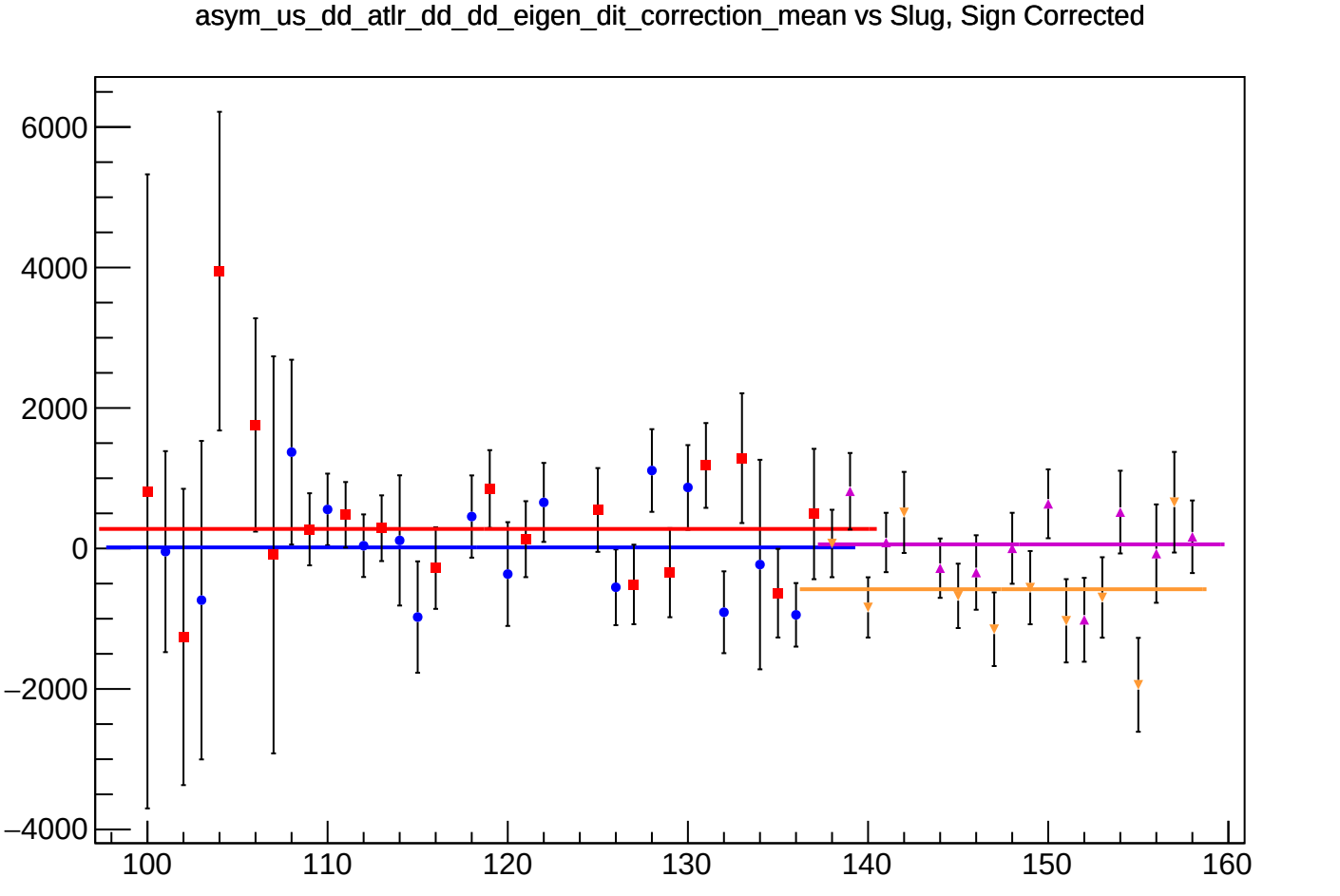
Left: 1113.757+/-0.193 χ^2/NDF: 53779.6/19

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

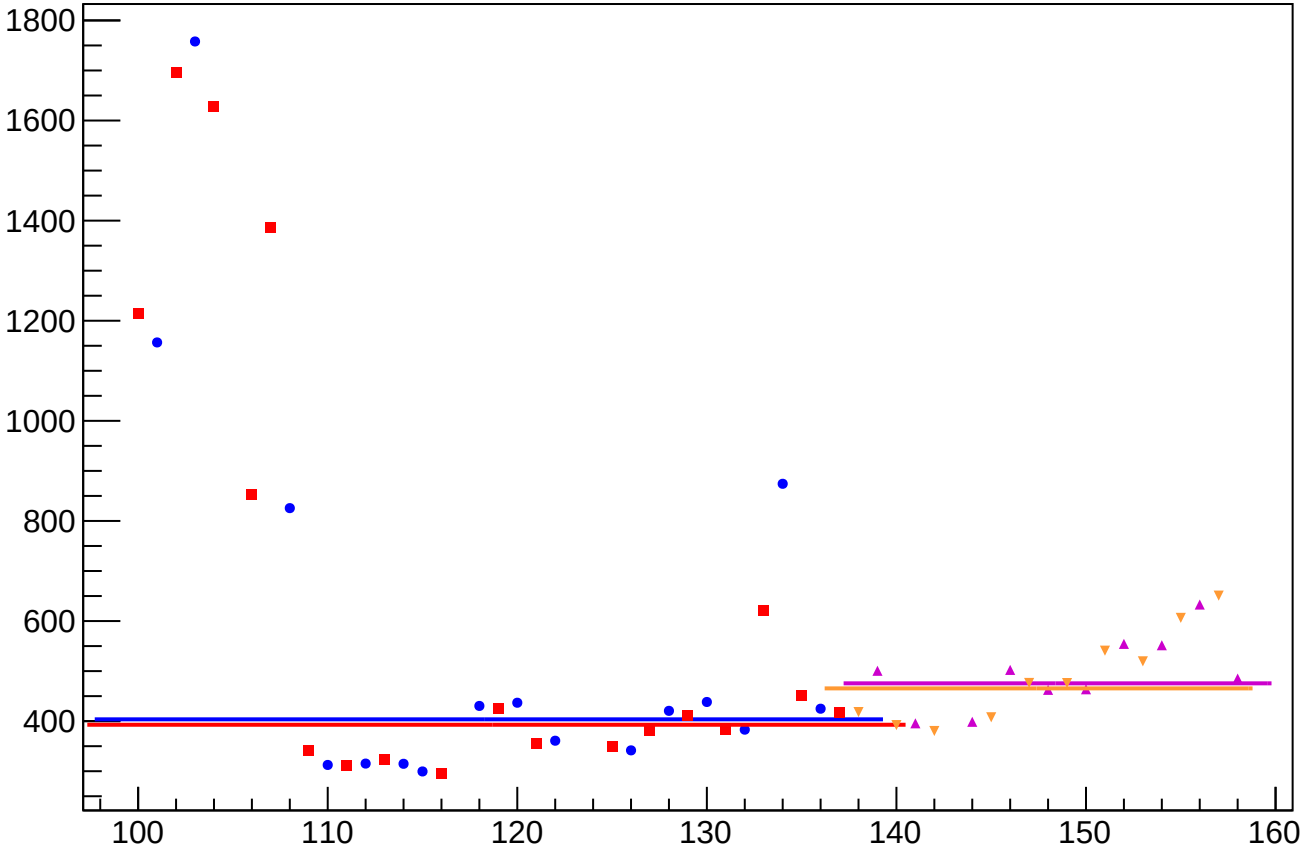
In: 1116.969+/-0.200 χ^2/NDF:642776.1/25

Out: 1123.132+/-0.207 χ^2/NDF:258180.1/27

All: 1119.949+/-0.144 χ^2/NDF: 901416.1/53


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -580.223+/-169.185 χ²/NDF:14.8/9
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 58.923+/-162.883 χ²/NDF:8.5/9
Left: -248.524+/-117.340 χ²/NDF: 30.6/19
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 36.966+/-114.807 χ²/NDF:28.1/25
Out: -123.903+/-115.796 χ²/NDF:43.5/27
All: -42.778+/-81.528 χ²/NDF: 72.6/53

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: 465.470+/-0.120 χ^2/NDF:427692.1/9

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 475.568+/-0.115 χ^2/NDF:319573.6/9

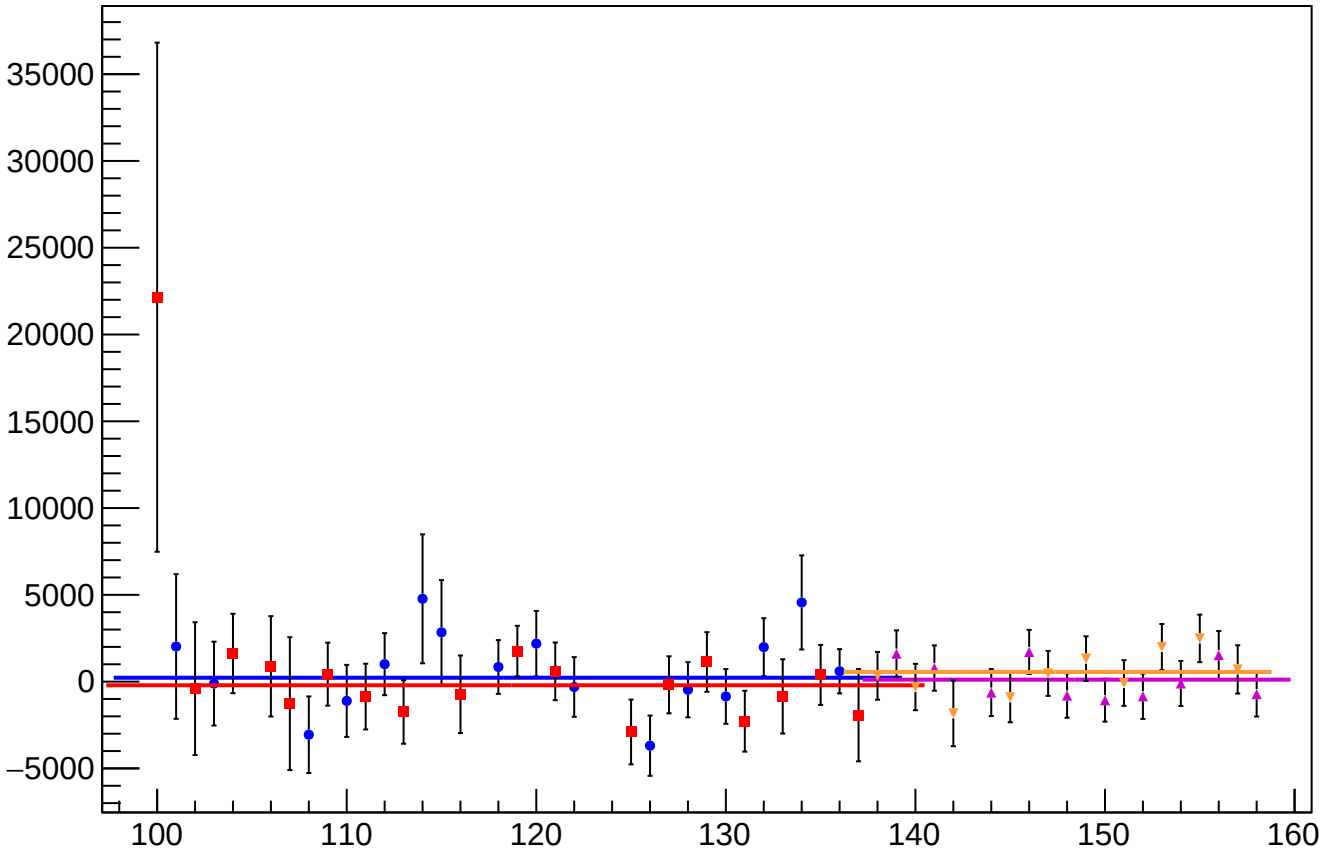
Left: 470.711+/-0.083 χ^2/NDF: 750962.6/19

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 439.380+/-0.081 χ^2/NDF:2445348.4/25

Out: 426.852+/-0.082 χ^2/NDF:2827201.3/27

All: 433.170+/-0.058 χ^2/NDF: 5284356.1/53



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 555.526+/-436.536 χ^2/NDF:6.9/9

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 114.244+/-412.810 χ^2/NDF:6.8/9

Left: 322.568+/-299.938 χ^2/NDF: 14.2/19

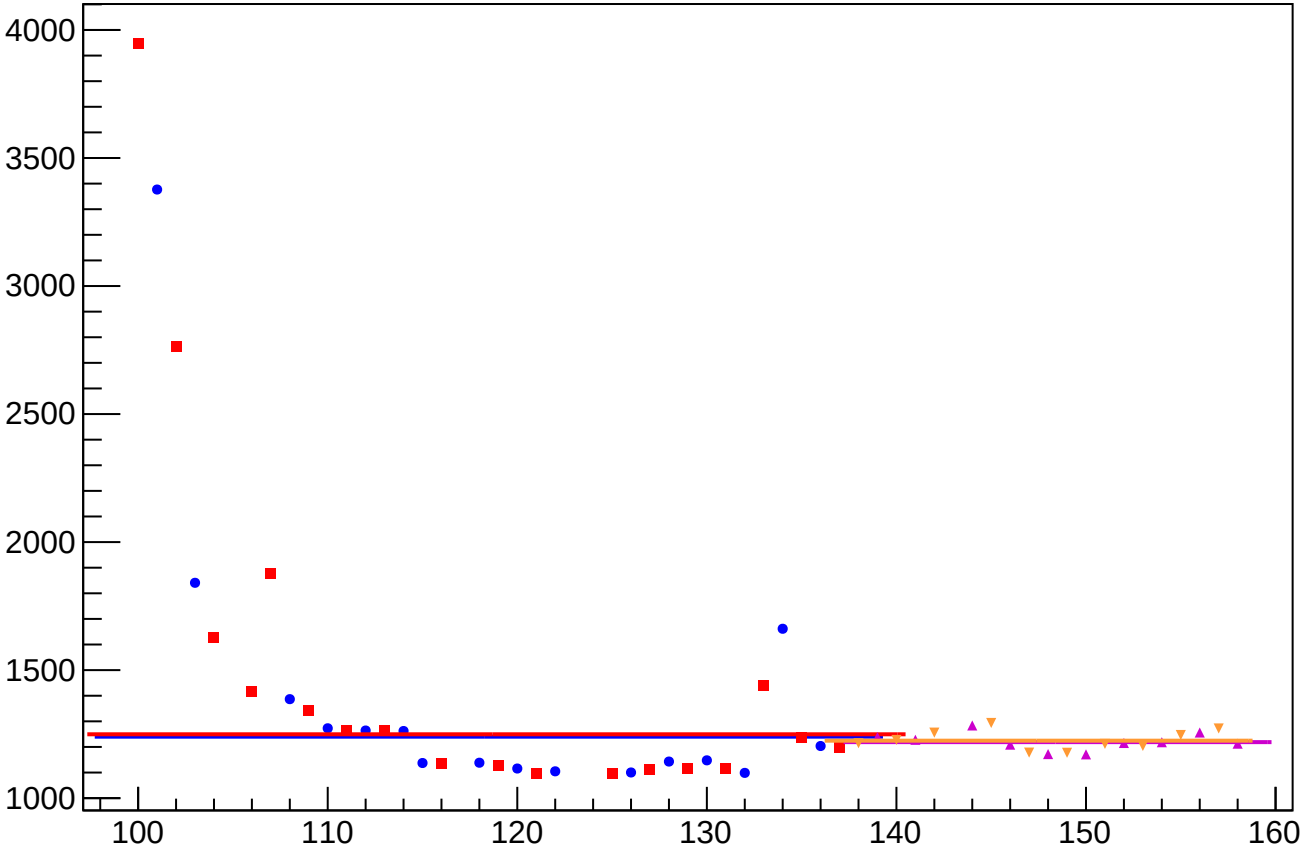
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 161.873+/-311.460 χ^2/NDF:23.0/25

Out: 207.371+/-322.286 χ^2/NDF:19.2/27

All: 183.845+/-223.965 χ^2/NDF: 42.2/53

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: 1224.456+/-0.309 χ^2/NDF:14124.5/9

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1218.799+/-0.292 χ^2/NDF:12455.9/9

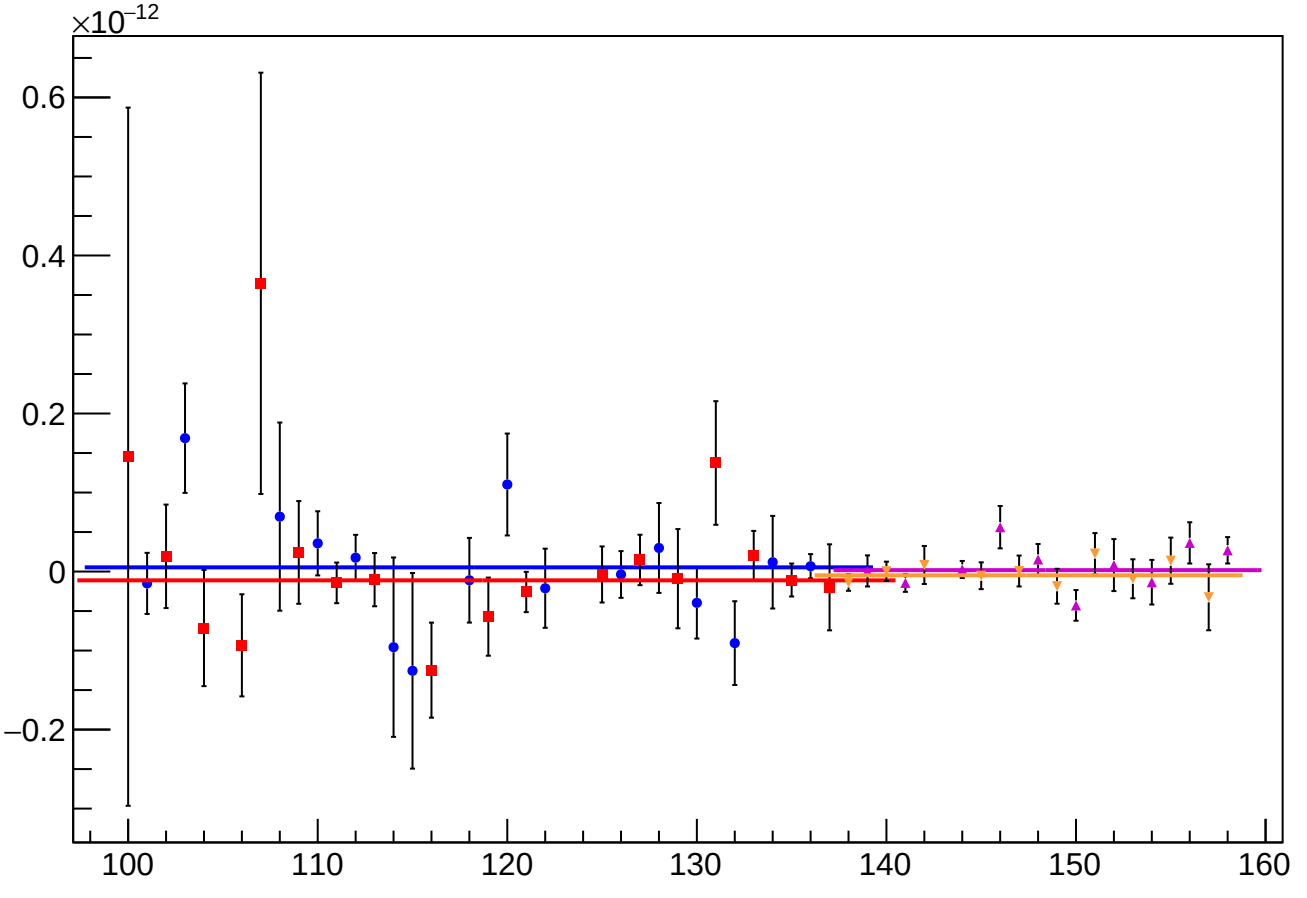
Left: 1221.469+/-0.212 χ^2/NDF: 26757.7/19

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1227.991+/-0.220 χ^2/NDF:797438.1/25

Out: 1235.809+/-0.228 χ^2/NDF:623197.1/27

All: 1231.766+/-0.158 χ^2/NDF: 1421243.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/9

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

Left In: 0.000+/-0.000 χ^2/NDF:16.3/9

Left: -0.000+/-0.000 χ^2/NDF: 20.6/19

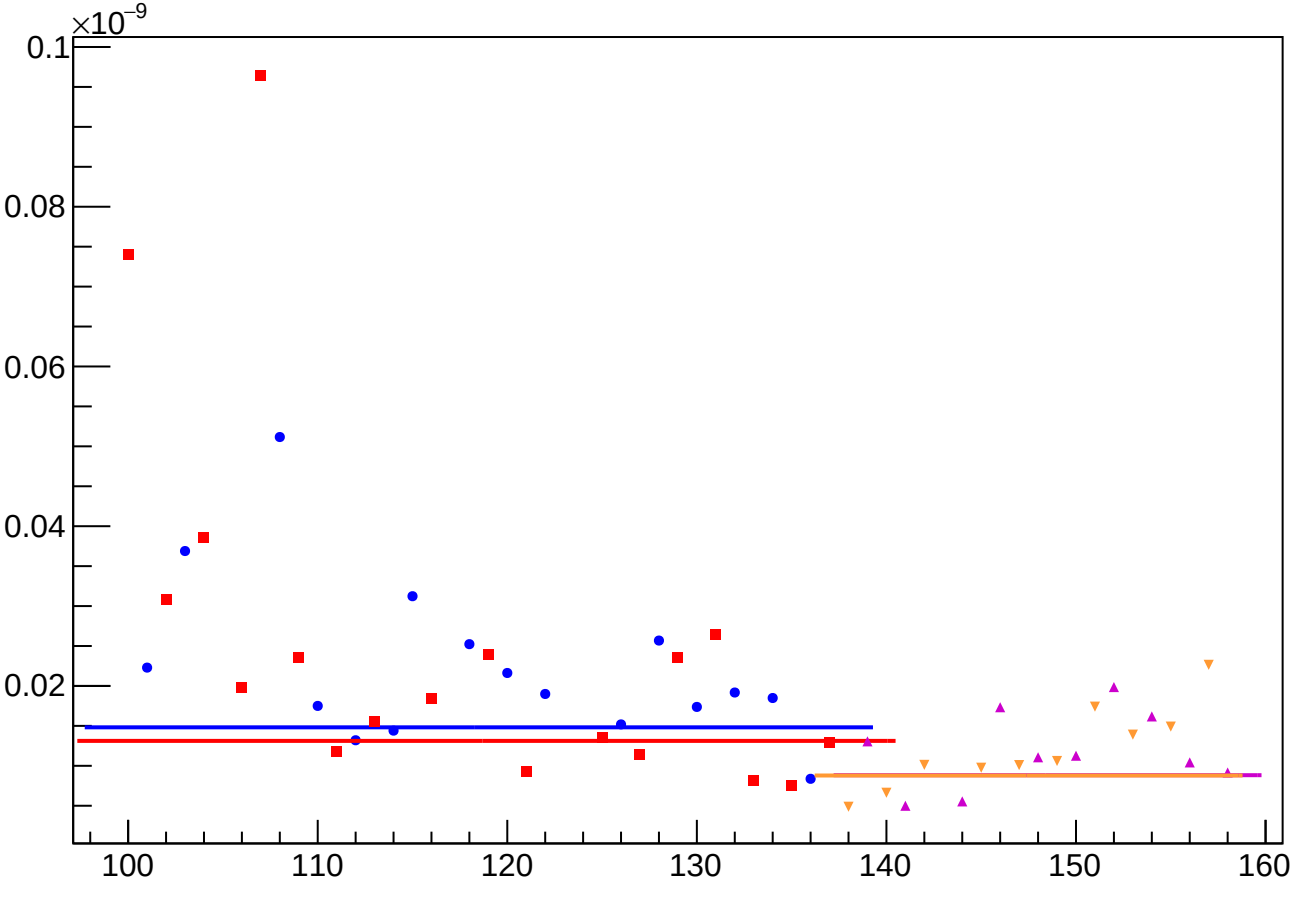
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:32.7/25

Out: -0.000+/-0.000 χ^2/NDF:19.0/27

All: -0.000+/-0.000 χ^2/NDF: 53.5/53

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:983242.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1135362.5/9

Left: 0.000+/-0.000 χ^2/NDF: 2118652.6/19

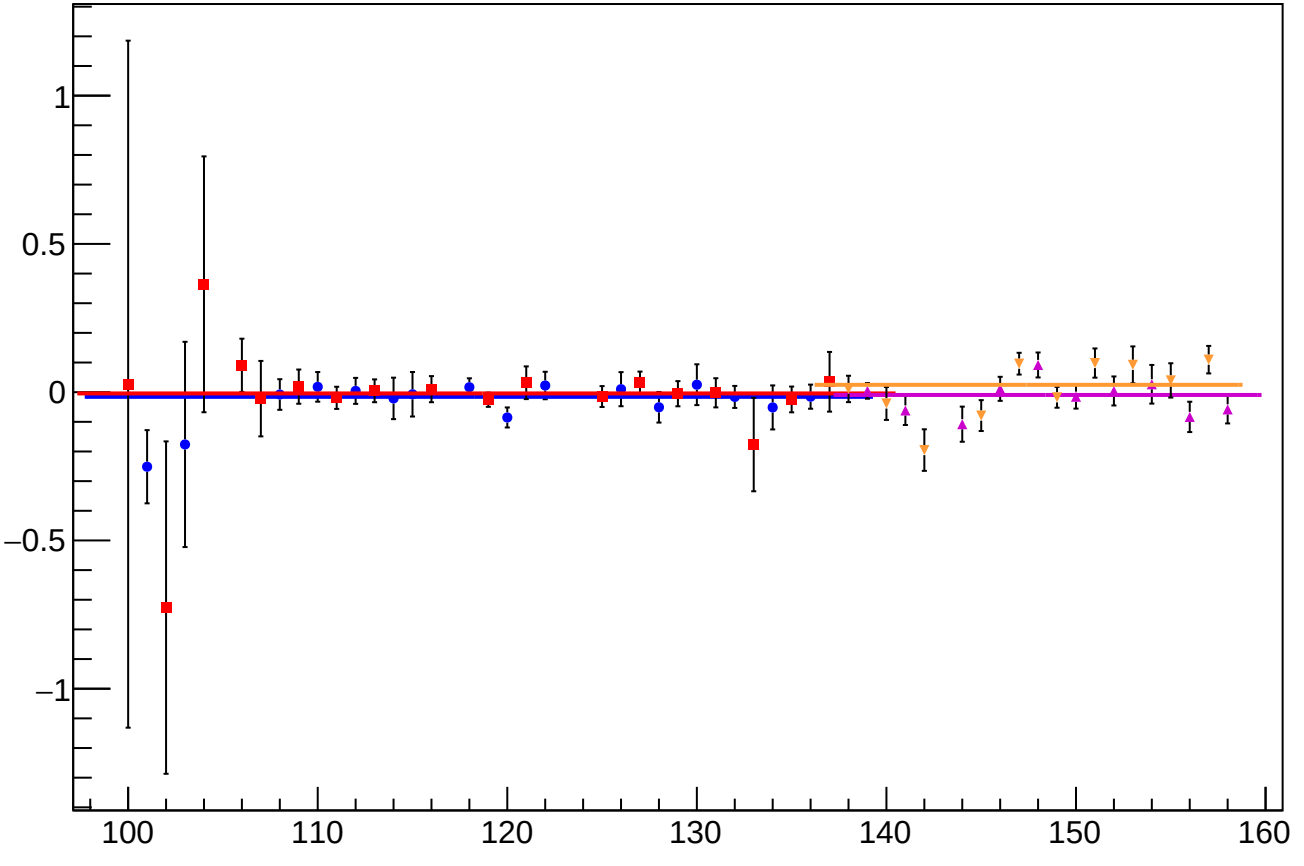
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2798209.0/25

Out: 0.000+/-0.000 χ^2/NDF:2476159.6/27

All: 0.000+/-0.000 χ^2/NDF: 5279011.3/53

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: 0.025+/-0.015 χ^2/NDF:27.2/9

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.014 χ^2/NDF:13.8/9

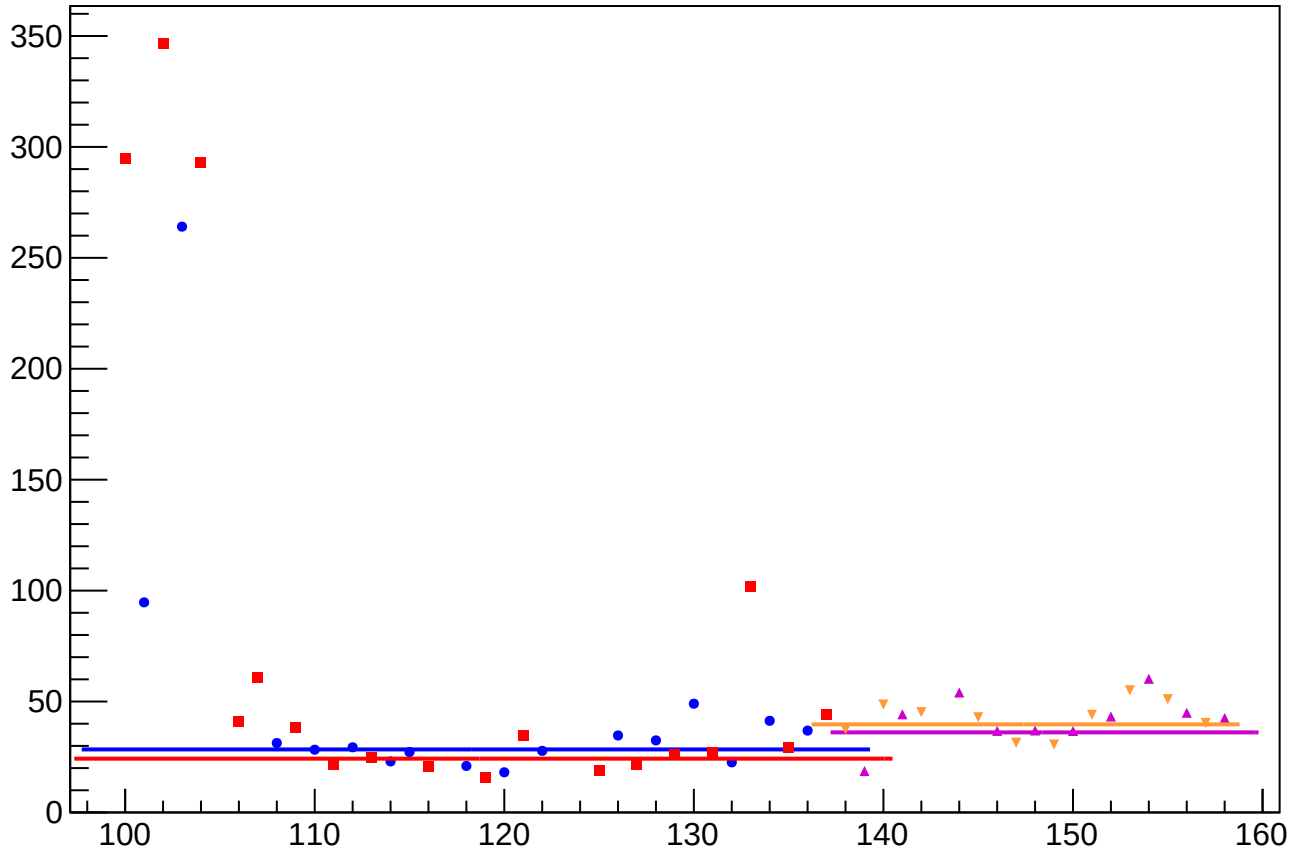
Left: 0.006+/-0.010 χ^2/NDF: 43.8/19

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/25

Out: 0.006+/-0.009 χ^2/NDF:37.4/27

All: -0.003+/-0.006 χ^2/NDF: 65.4/53



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 39.700+/-0.011 χ^2/NDF:526740.0/9

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.091+/-0.010 χ^2/NDF:1521769.2/9

Left: 37.709+/-0.007 χ^2/NDF: 2111590.4/19

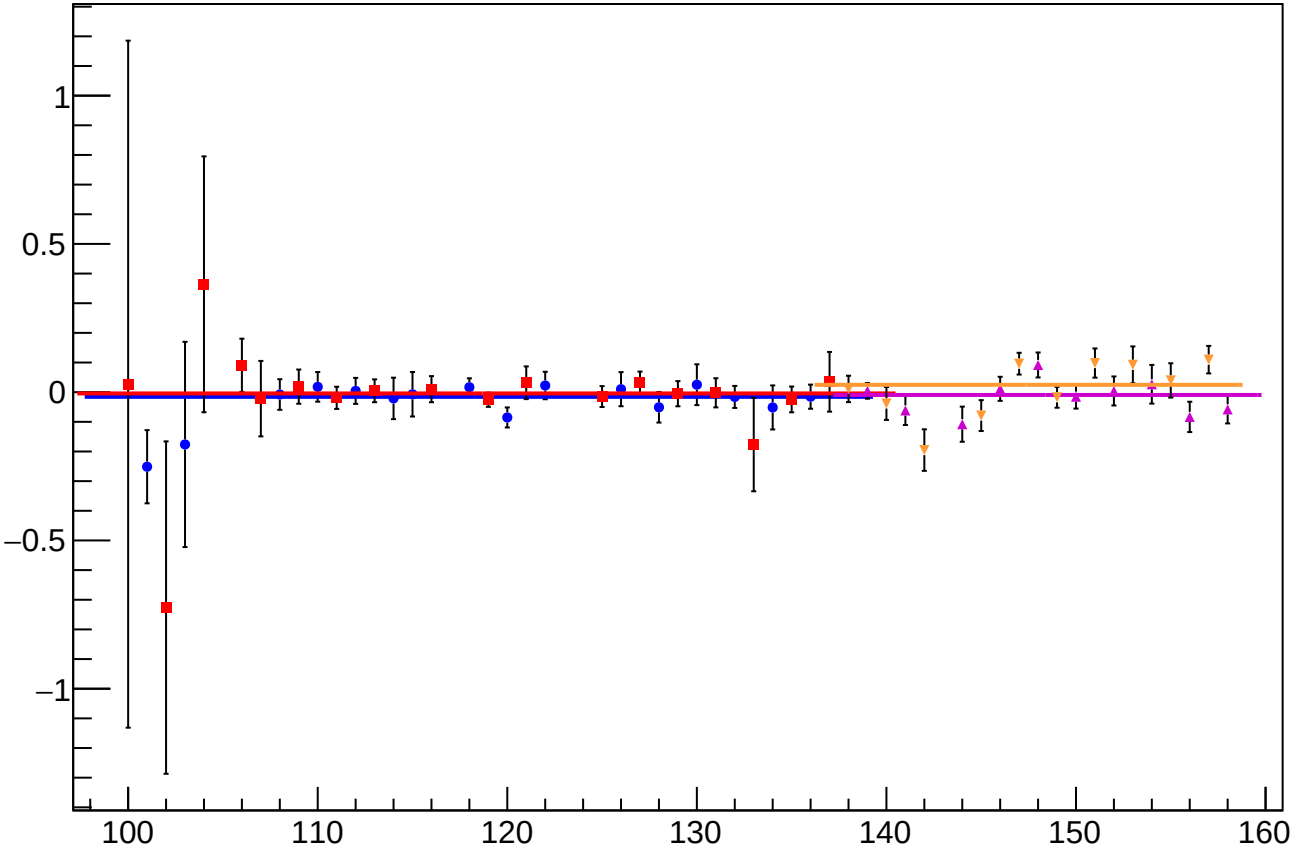
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.867+/-0.006 χ^2/NDF:4117876.2/25

Out: 29.889+/-0.006 χ^2/NDF:4770301.0/27

All: 30.877+/-0.005 χ^2/NDF: 8935211.8/53

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: 0.025+/-0.015 χ^2/NDF:27.2/9

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.014 χ^2/NDF:13.8/9

Left: 0.006+/-0.010 χ^2/NDF: 43.8/19

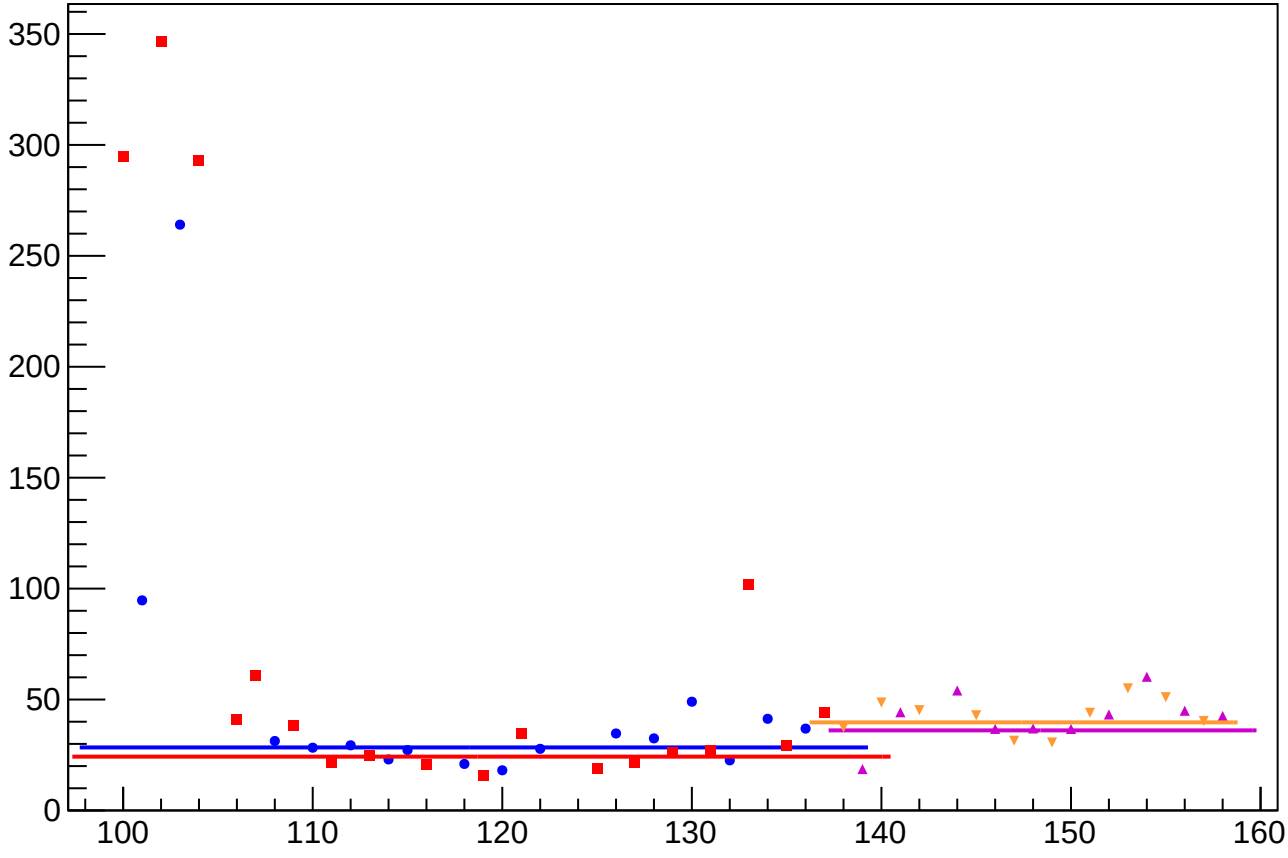
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/25

Out: 0.006+/-0.009 χ^2/NDF:37.4/27

All: -0.003+/-0.006 χ^2/NDF: 65.4/53

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: 39.700+/-0.011 χ^2/NDF:526740.0/9

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.091+/-0.010 χ^2/NDF:1521769.2/9

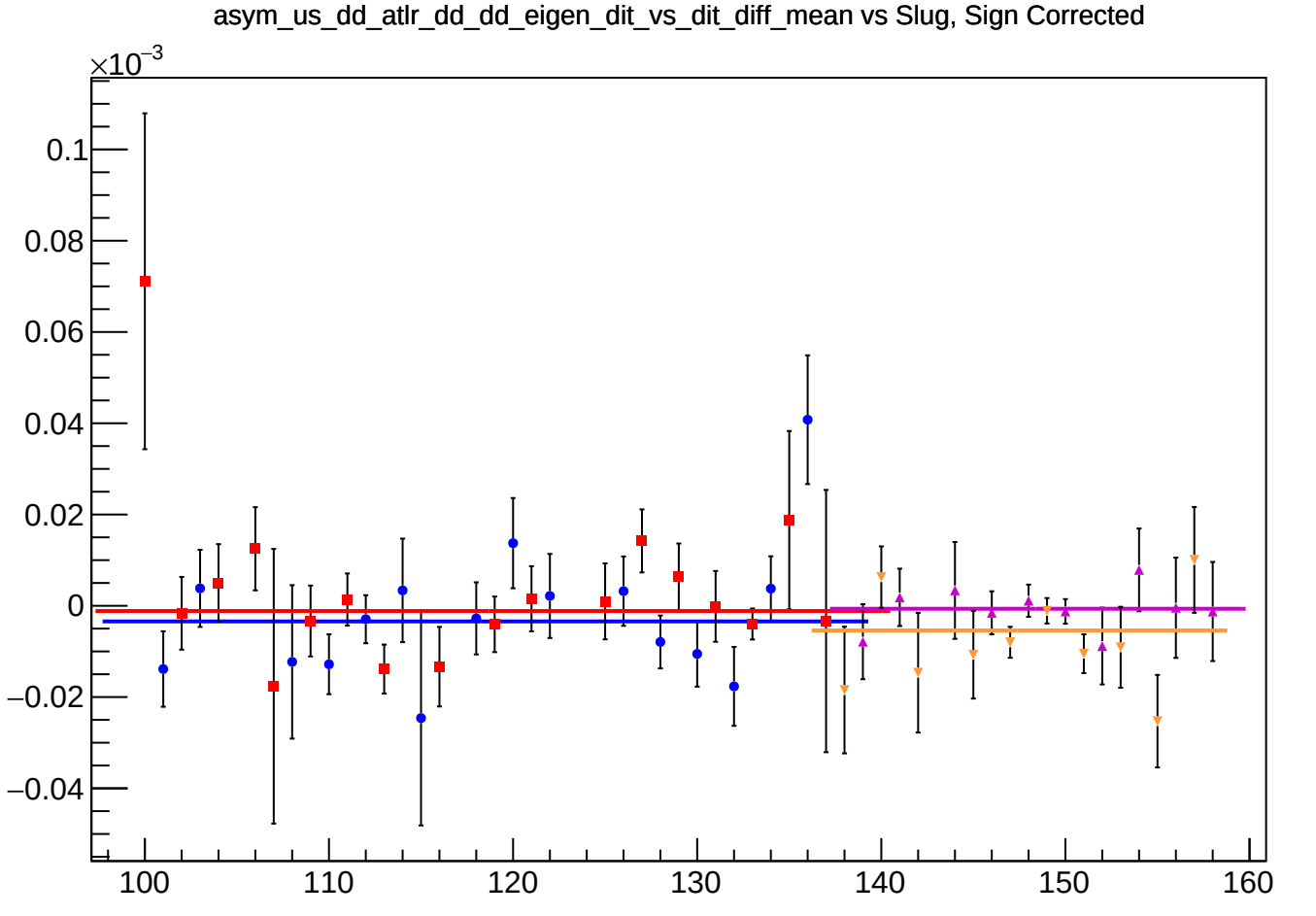
Left: 37.709+/-0.007 χ^2/NDF: 2111590.4/19

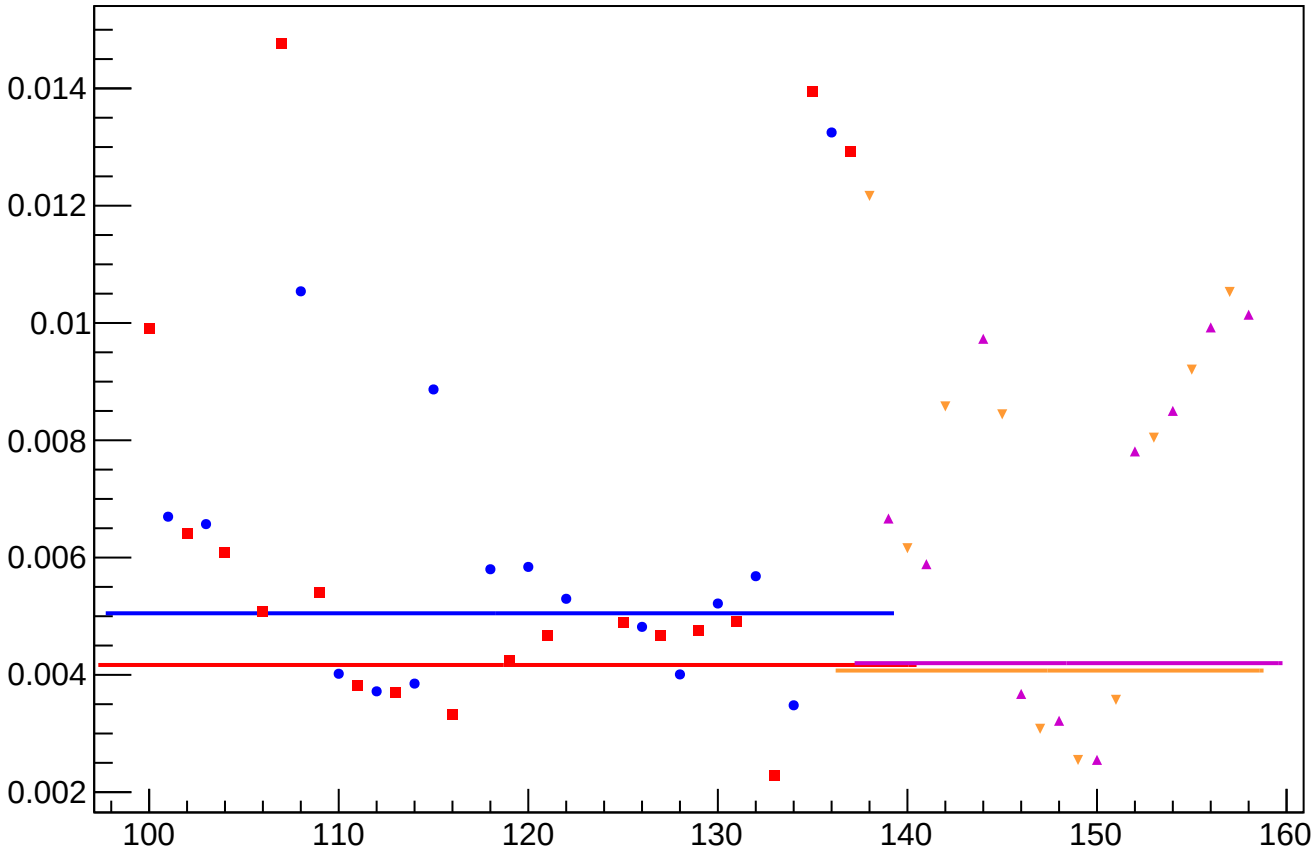
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.867+/-0.006 χ^2/NDF:4117876.2/25

Out: 29.889+/-0.006 χ^2/NDF:4770301.0/27

All: 30.877+/-0.005 χ^2/NDF: 8935211.8/53


asym_us_dd_atlr_dd_dd_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:14.9/9
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:3.2/9
Left: -0.000+/-0.000 χ²/NDF: 22.1/19
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:29.5/25
Out: -0.000+/-0.000 χ²/NDF:41.0/27
All: -0.000+/-0.000 χ²/NDF: 71.2/53



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3851652.5/9

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:3756573.8/9

Left: 0.004+/-0.000 χ^2/NDF: 7613796.9/19

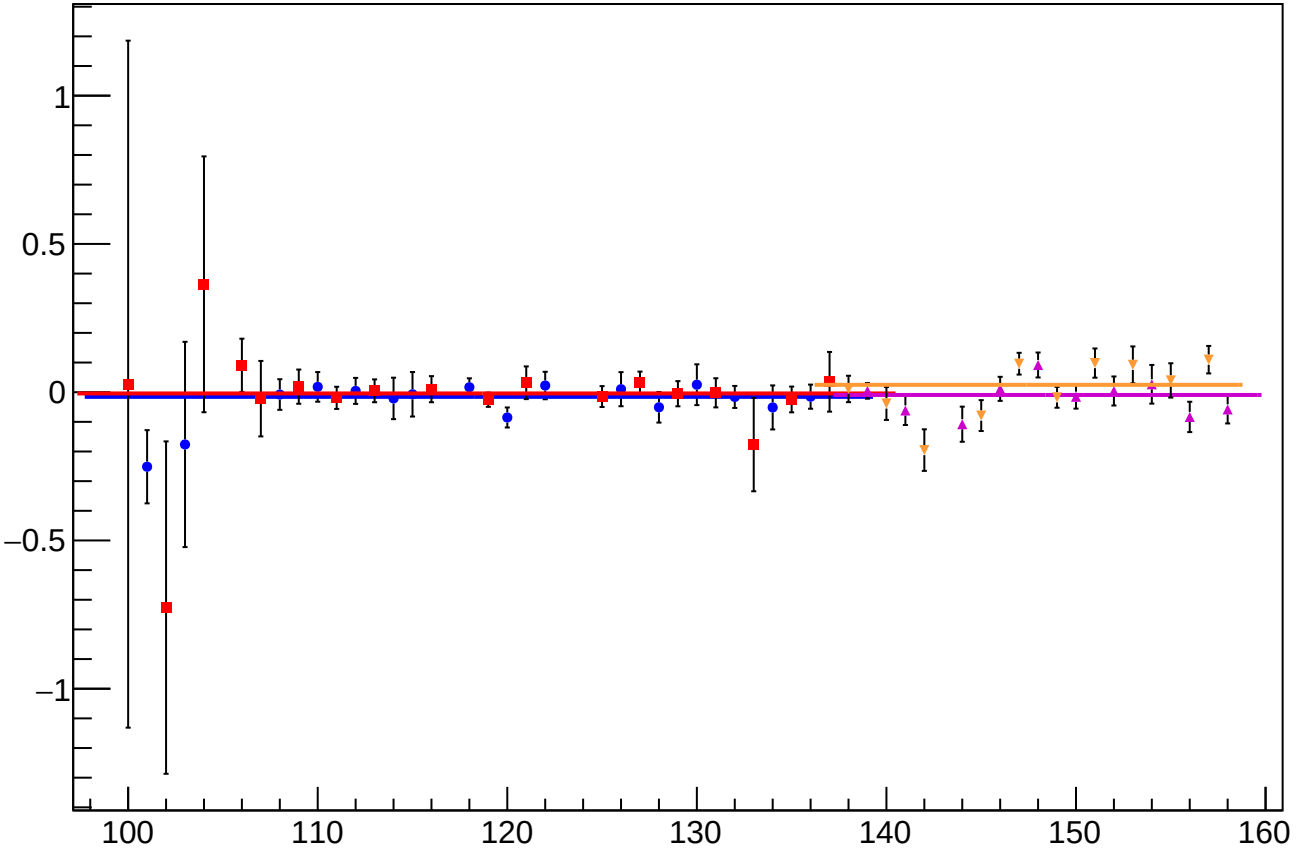
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:5459906.0/25

Out: 0.004+/-0.000 χ^2/NDF:5896750.8/27

All: 0.004+/-0.000 χ^2/NDF: 11472490.9/53

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: 0.025+/-0.015 χ^2/NDF:27.2/9

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.014 χ^2/NDF:13.8/9

Left: 0.006+/-0.010 χ^2/NDF: 43.8/19

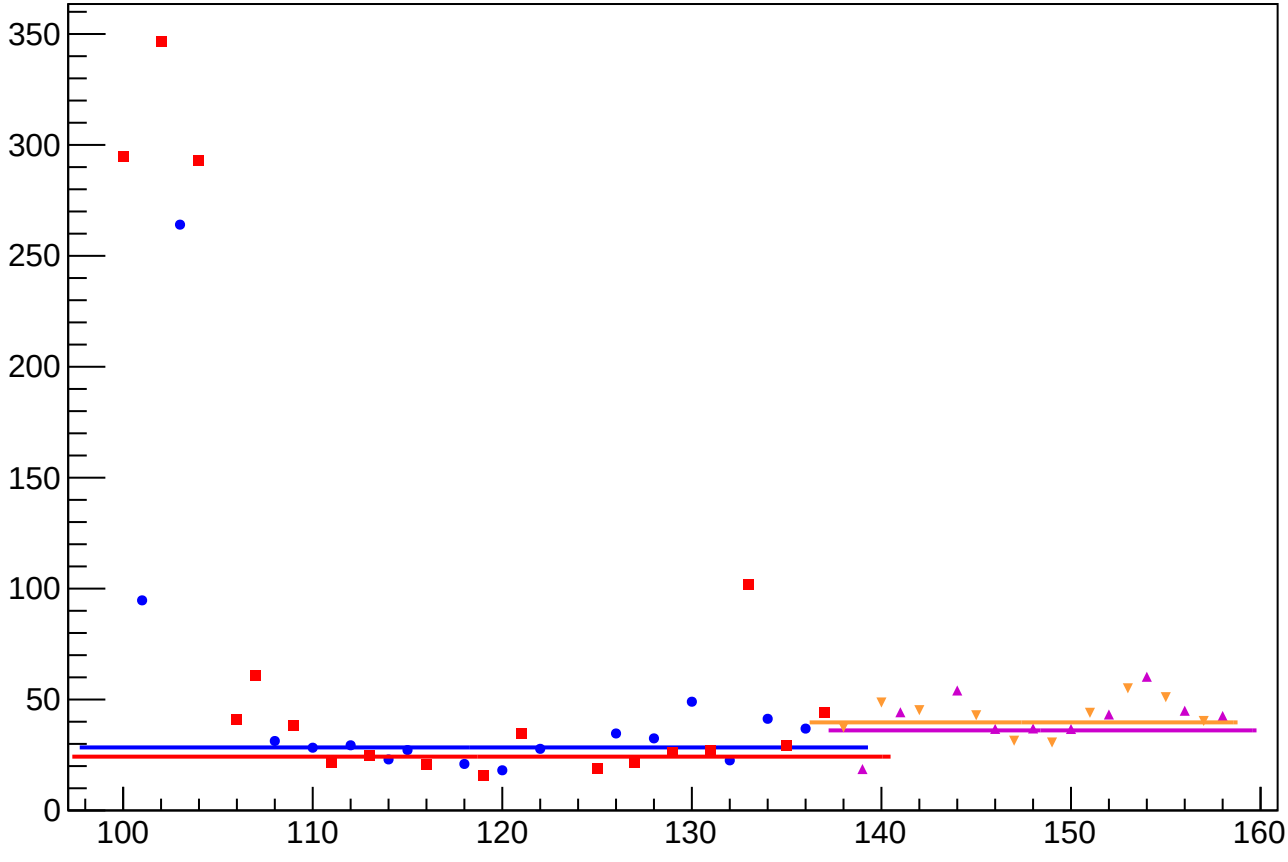
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/25

Out: 0.006+/-0.009 χ^2/NDF:37.4/27

All: -0.003+/-0.006 χ^2/NDF: 65.4/53

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 39.699+/-0.011 χ^2/NDF:526989.2/9

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.089+/-0.010 χ^2/NDF:1522407.8/9

Left: 37.707+/-0.007 χ^2/NDF: 2112510.1/19

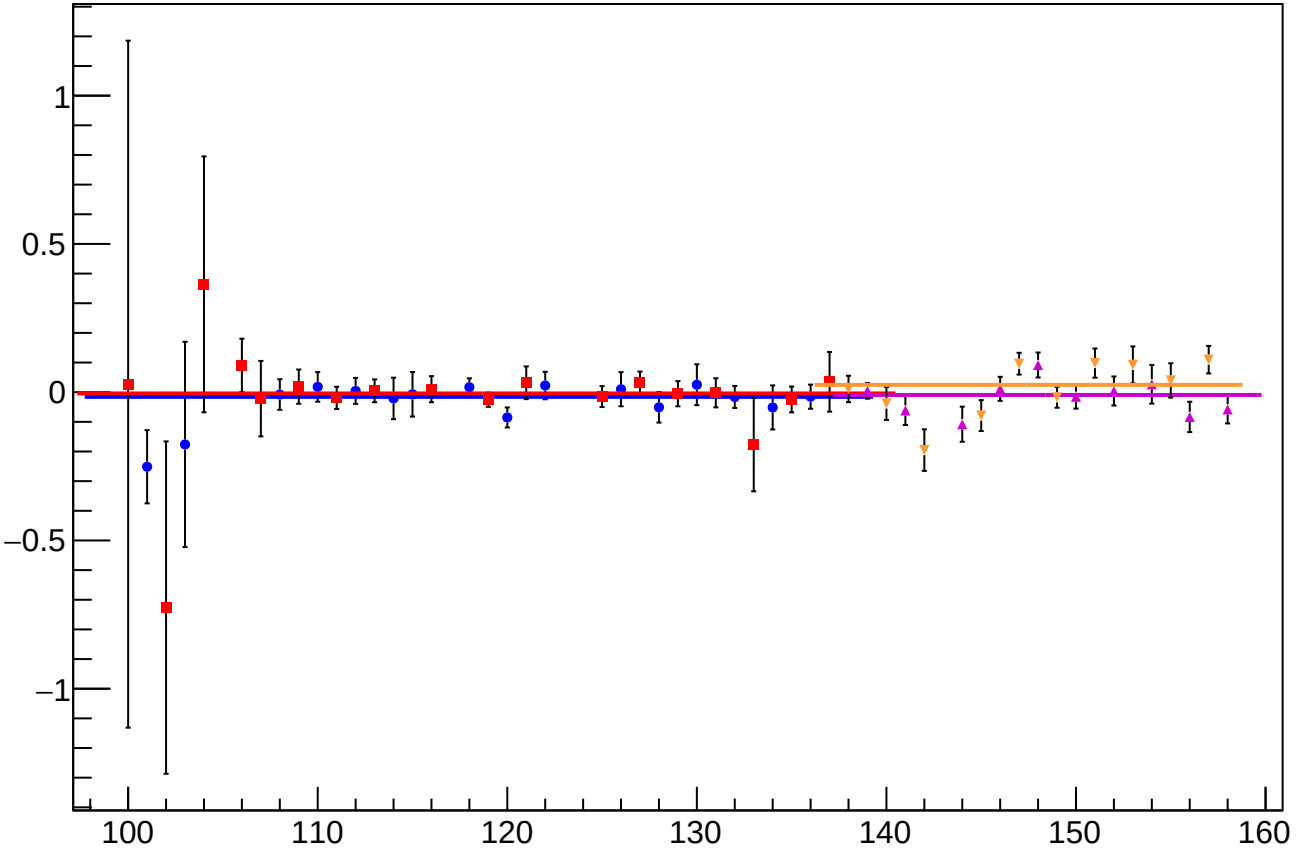
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.866+/-0.006 χ^2/NDF:4118399.8/25

Out: 29.887+/-0.006 χ^2/NDF:4770985.6/27

All: 30.876+/-0.005 χ^2/NDF: 8936464.4/53

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: 0.025+/-0.015 χ^2/NDF:27.2/9

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.014 χ^2/NDF:13.8/9

Left: 0.006+/-0.010 χ^2/NDF: 43.8/19

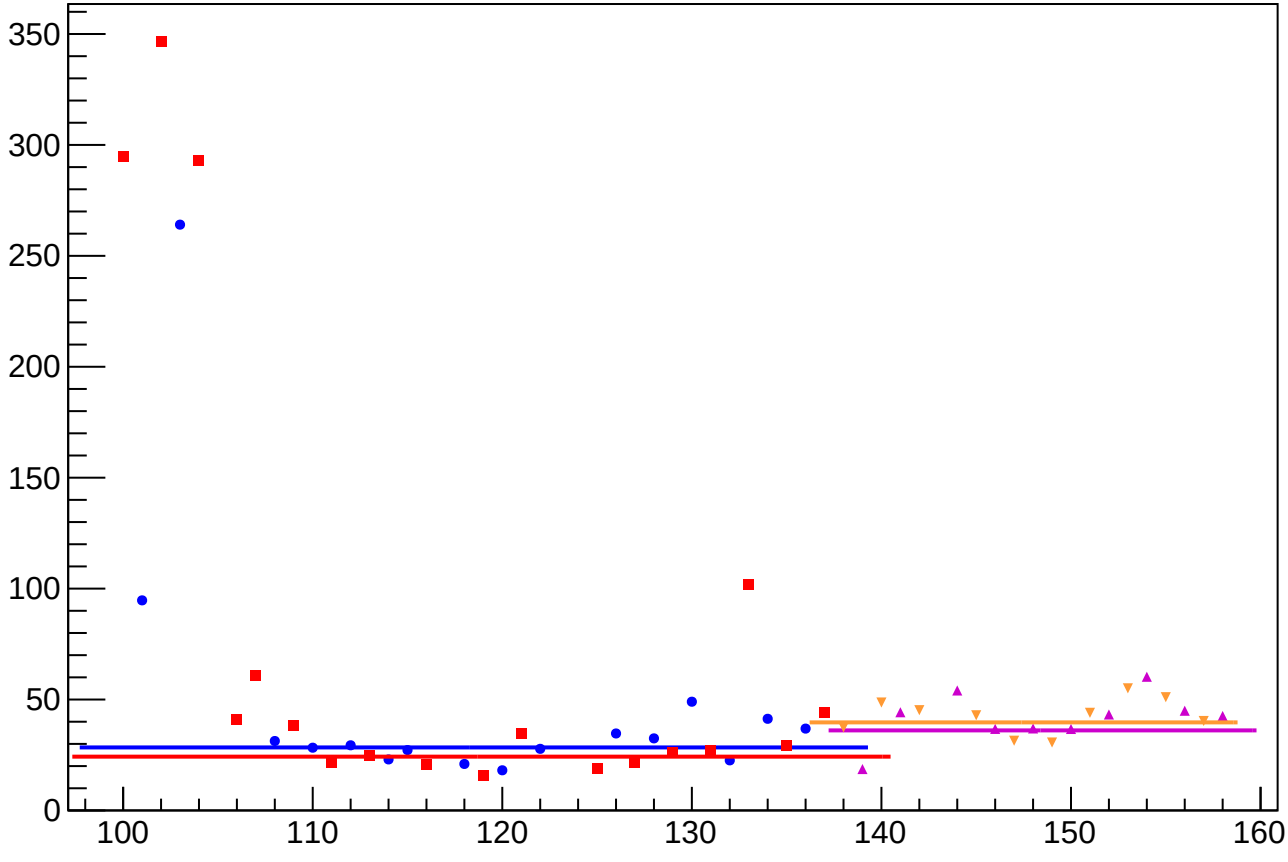
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/25

Out: 0.006+/-0.009 χ^2/NDF:37.4/27

All: -0.003+/-0.006 χ^2/NDF: 65.4/53

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 39.699+/-0.011 χ^2/NDF:526989.2/9

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.089+/-0.010 χ^2/NDF:1522407.8/9

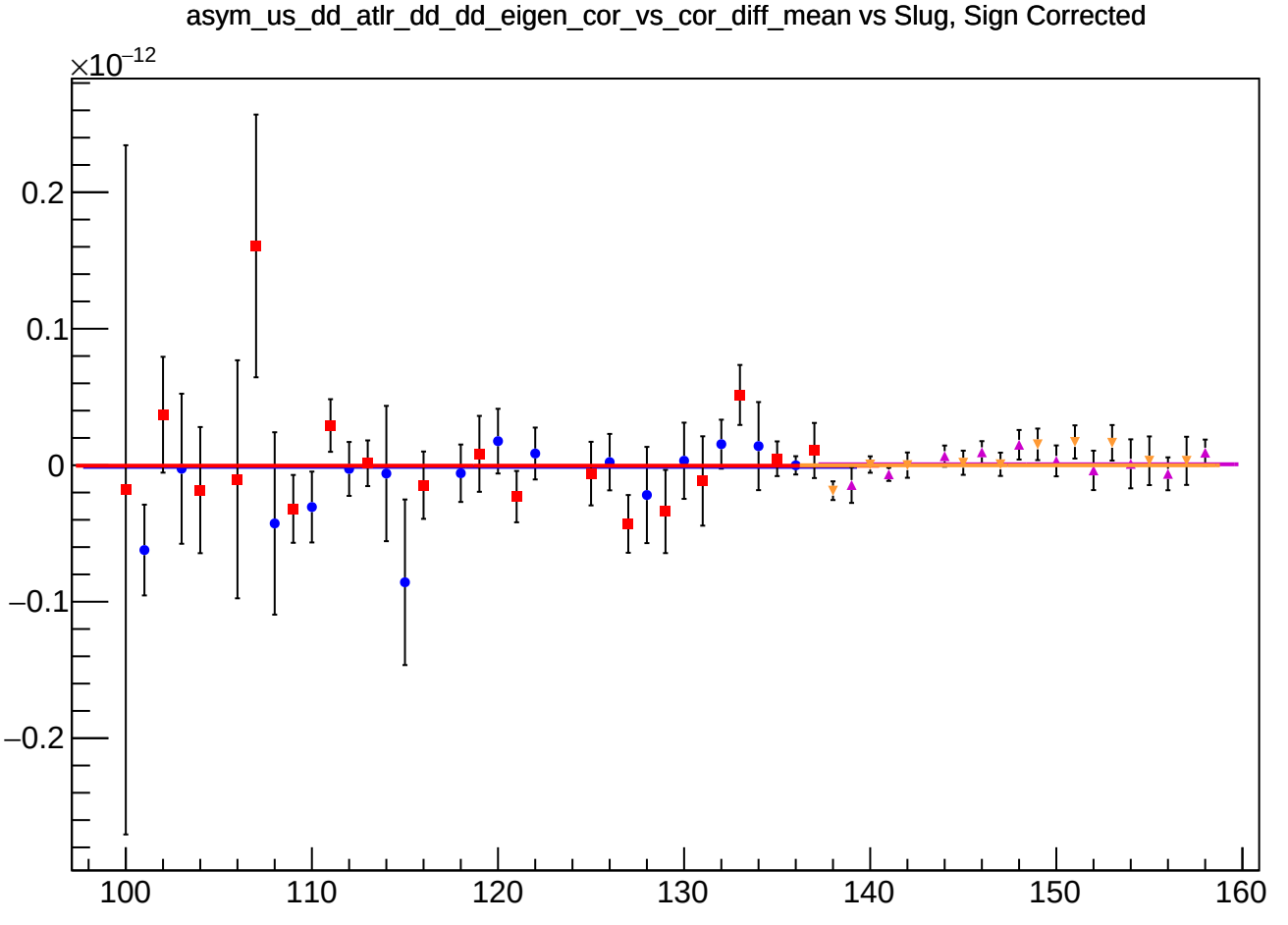
Left: 37.707+/-0.007 χ^2/NDF: 2112510.1/19

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.866+/-0.006 χ^2/NDF:4118399.8/25

Out: 29.887+/-0.006 χ^2/NDF:4770985.6/27

All: 30.876+/-0.005 χ^2/NDF: 8936464.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:8.4/9

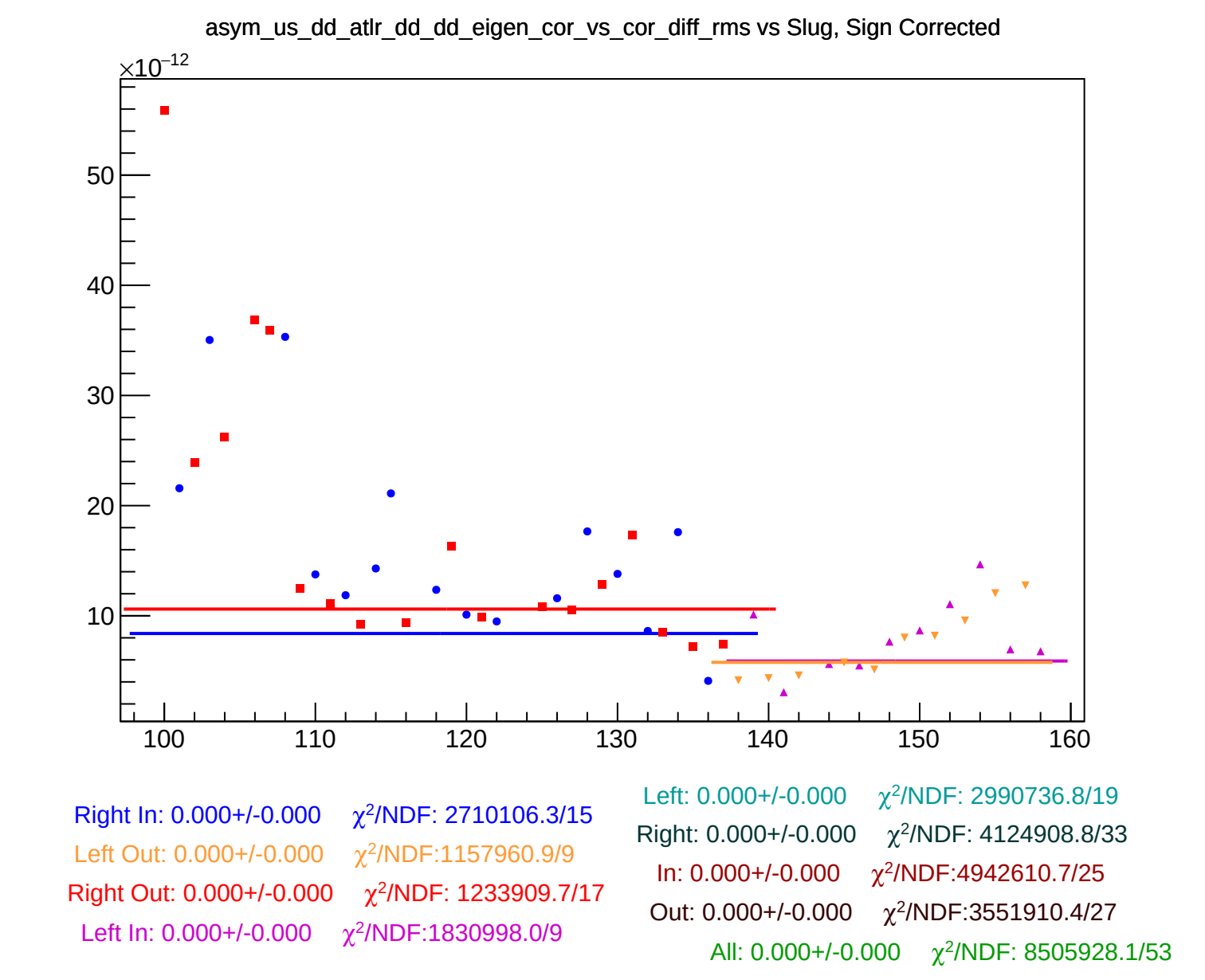
Left: 0.000+/-0.000 χ^2/NDF: 21.3/19

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

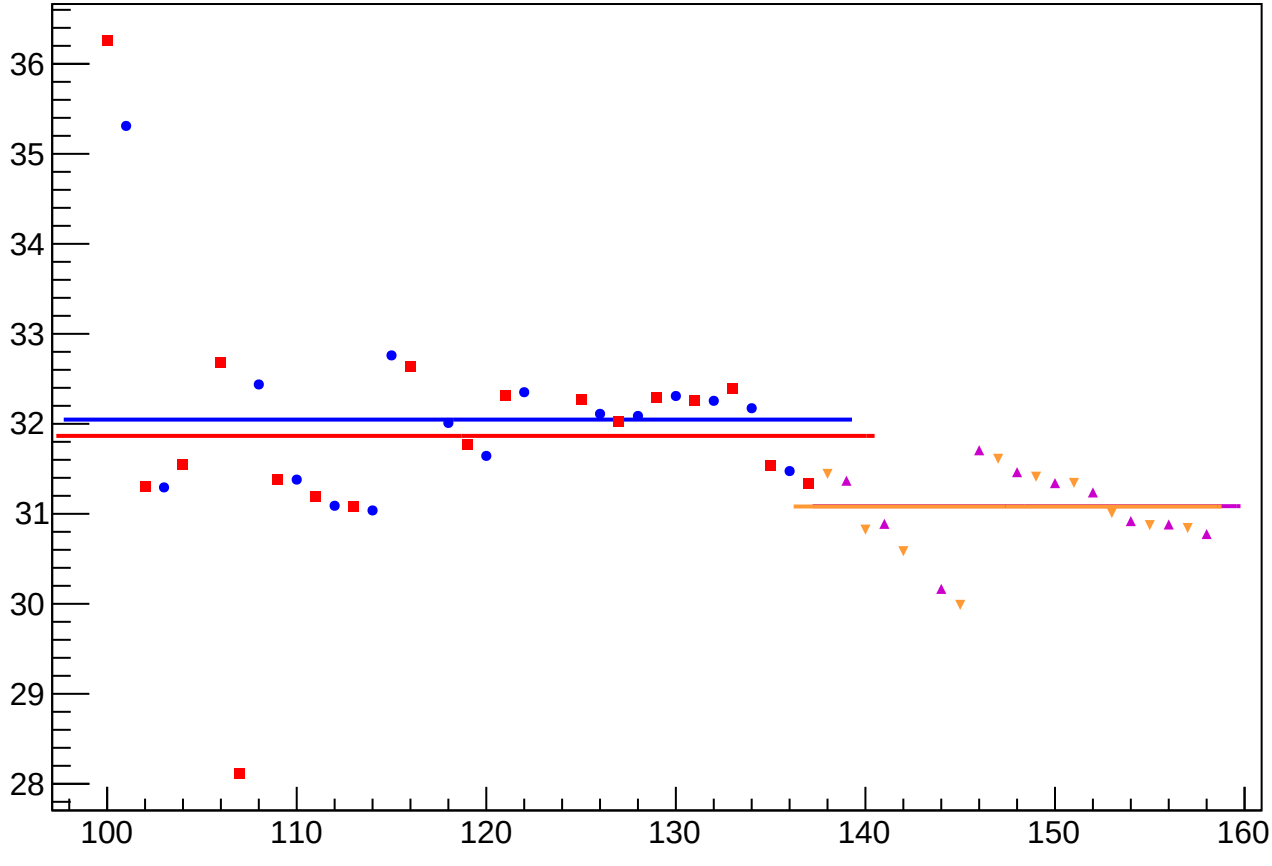
In: 0.000+/-0.000 χ^2/NDF:17.9/25

Out: -0.000+/-0.000 χ^2/NDF:34.0/27

All: 0.000+/-0.000 χ^2/NDF: 51.9/53


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1157960.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:1830998.0/9
Left: 0.000+/-0.000 χ²/NDF: 2990736.8/19
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:4942610.7/25
Out: 0.000+/-0.000 χ²/NDF:3551910.4/27
All: 0.000+/-0.000 χ²/NDF: 8505928.1/53

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.081+/-0.000 χ^2/NDF:197368209.8/9

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.085+/-0.000 χ^2/NDF:202771315.2/9

Left: 31.083+/-0.000 χ^2/NDF: 400148338.0/19

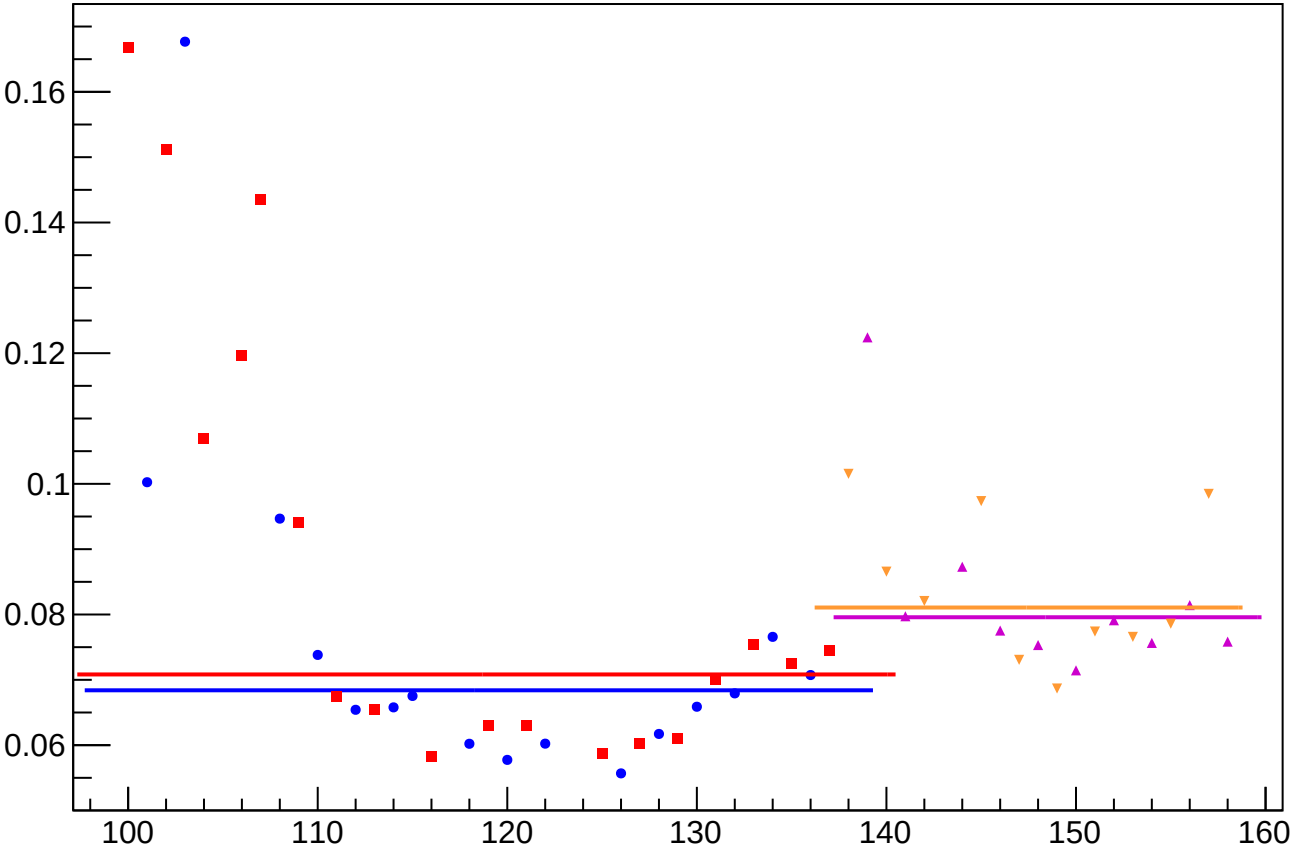
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.588+/-0.000 χ^2/NDF:1691393850.6/25

Out: 31.506+/-0.000 χ^2/NDF:1034252595.2/27

All: 31.549+/-0.000 χ^2/NDF: 2733949157.7/5

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.081+/-0.000 χ^2/NDF:227179.5/9

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.080+/-0.000 χ^2/NDF:241782.7/9

Left: 0.080+/-0.000 χ^2/NDF: 471470.5/19

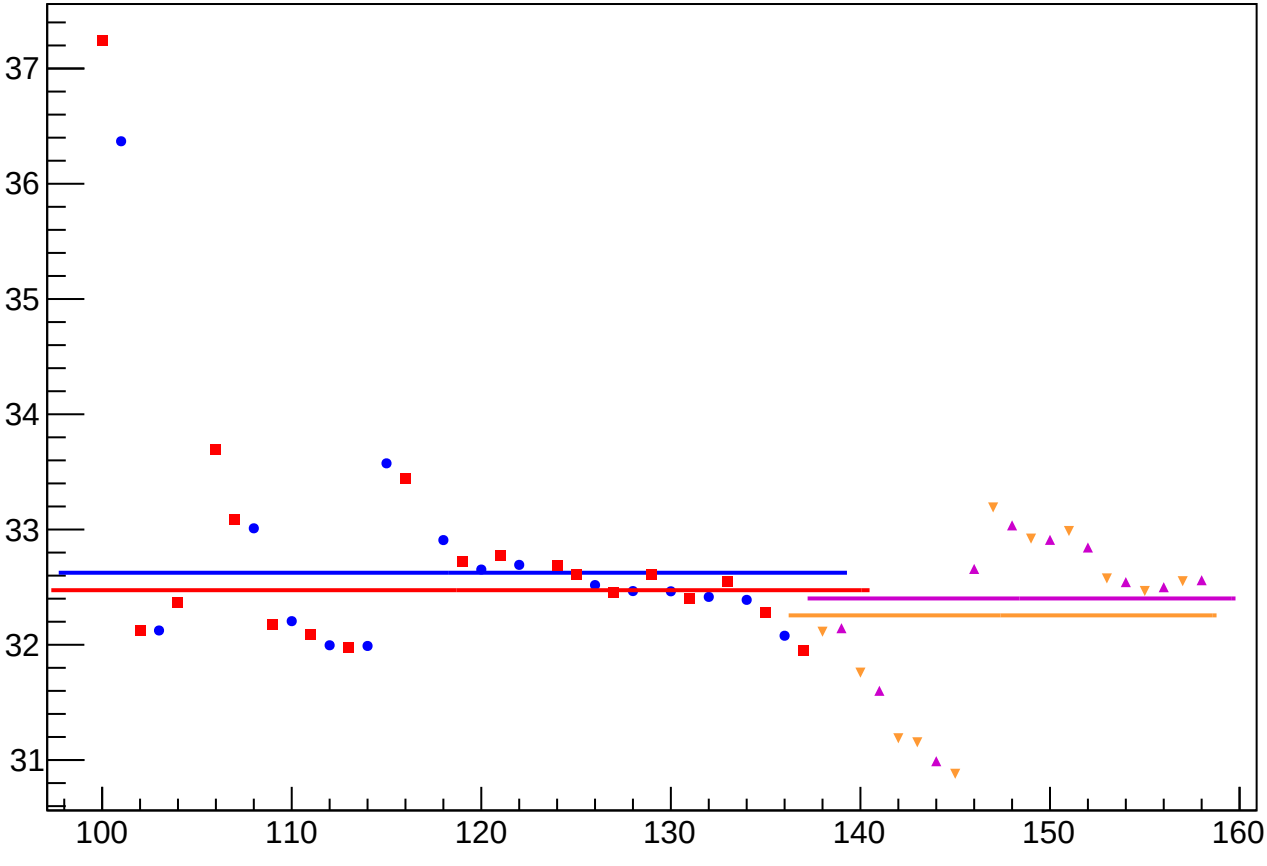
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1104456.5/25

Out: 0.076+/-0.000 χ^2/NDF:1215053.4/27

All: 0.075+/-0.000 χ^2/NDF: 2327343.8/53

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.255+/-0.000 χ^2/NDF:747002856.6/10

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.402+/-0.000 χ^2/NDF:518399289.3/9

Left: 32.330+/-0.000 χ^2/NDF: 1278954571.9/20

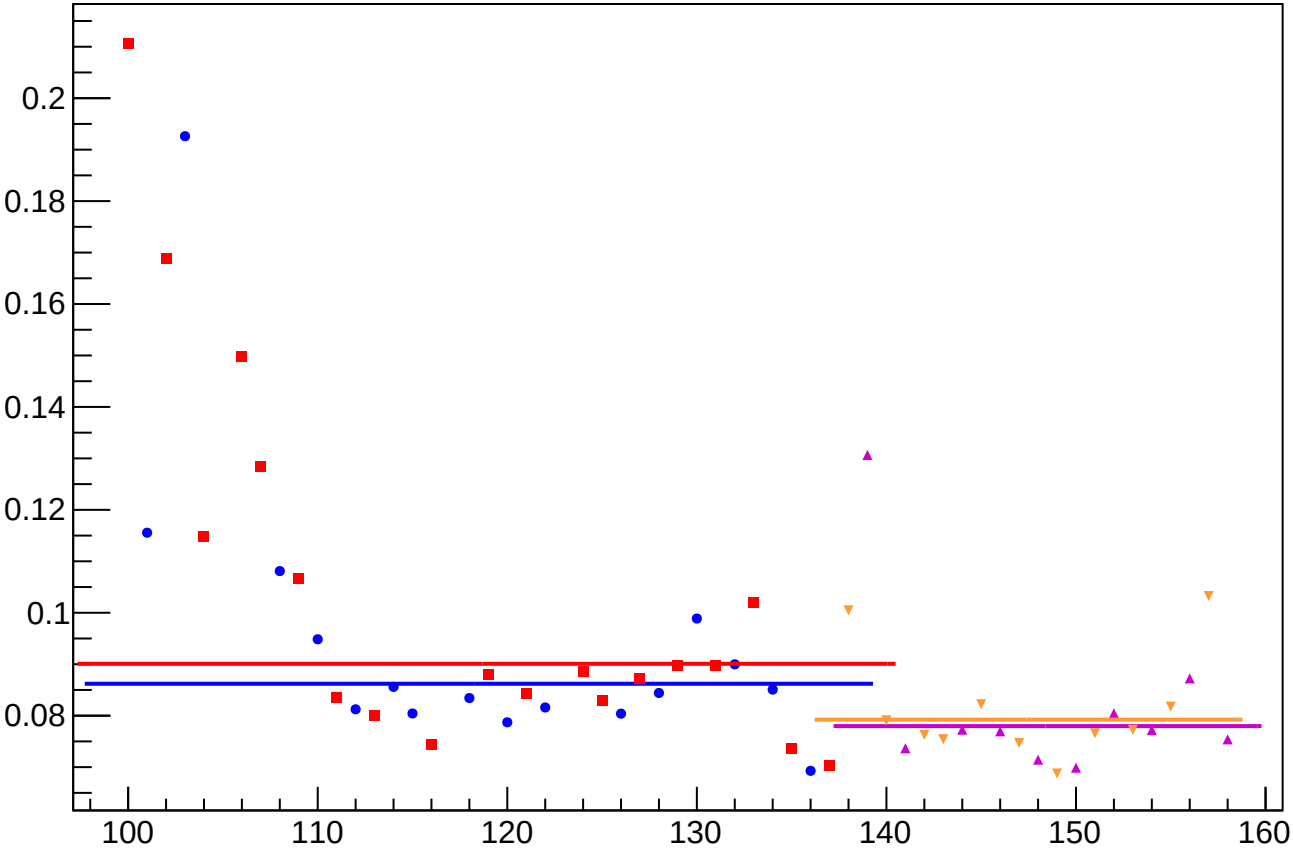
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.490+/-0.000 χ^2/NDF:1282991292.6/25

Out: 32.341+/-0.000 χ^2/NDF:926794882.0/29

All: 32.418+/-0.000 χ^2/NDF: 2232833866.7/5

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.079+/-0.000 χ^2/NDF:191430.4/10

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.078+/-0.000 χ^2/NDF:326744.0/9

Left: 0.079+/-0.000 χ^2/NDF: 520148.1/20

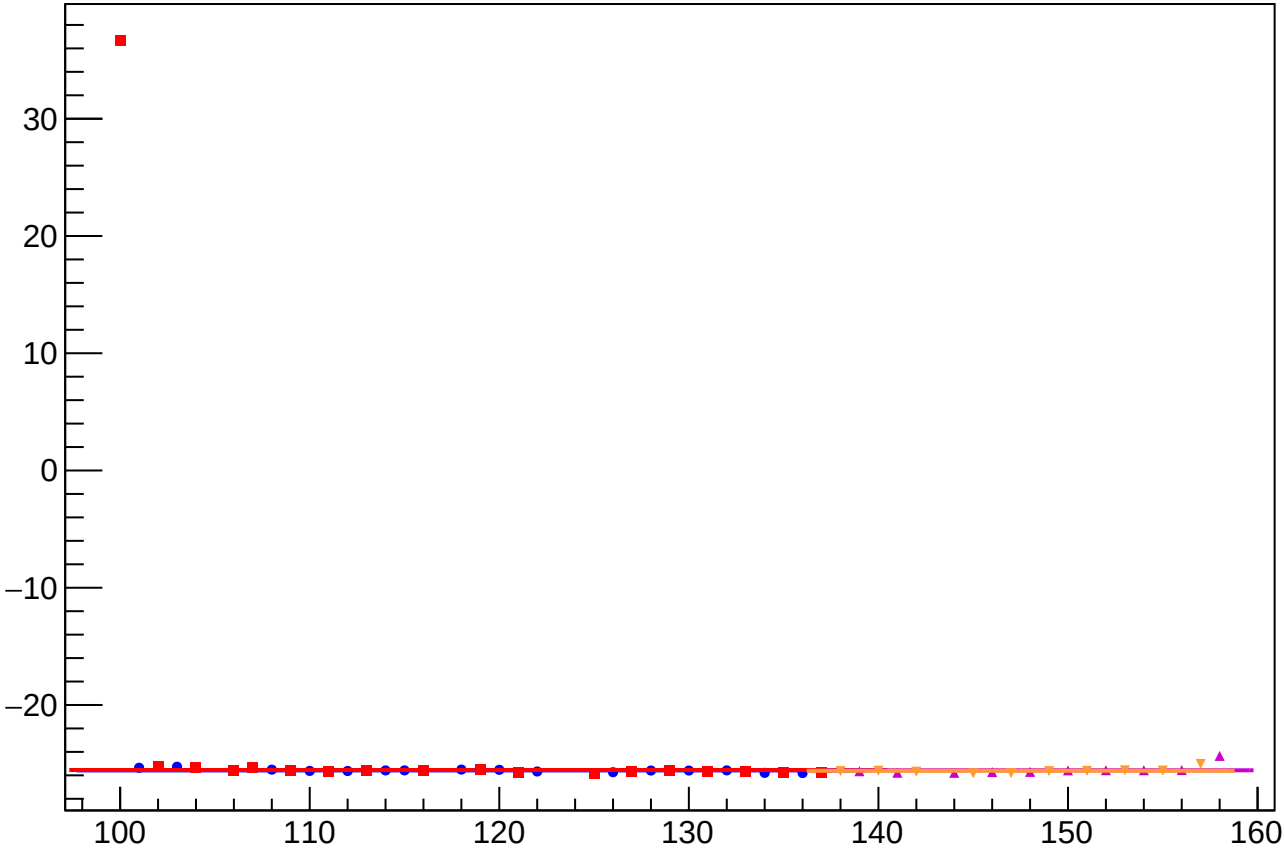
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:994611.1/25

Out: 0.083+/-0.000 χ^2/NDF:926723.9/29

All: 0.082+/-0.000 χ^2/NDF: 1932052.1/55

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.608+/-0.000 χ^2/NDF:159037270.6/9

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.569+/-0.000 χ^2/NDF:487355343.0/9

Left: -25.587+/-0.000 χ^2/NDF: 649683072.4/19

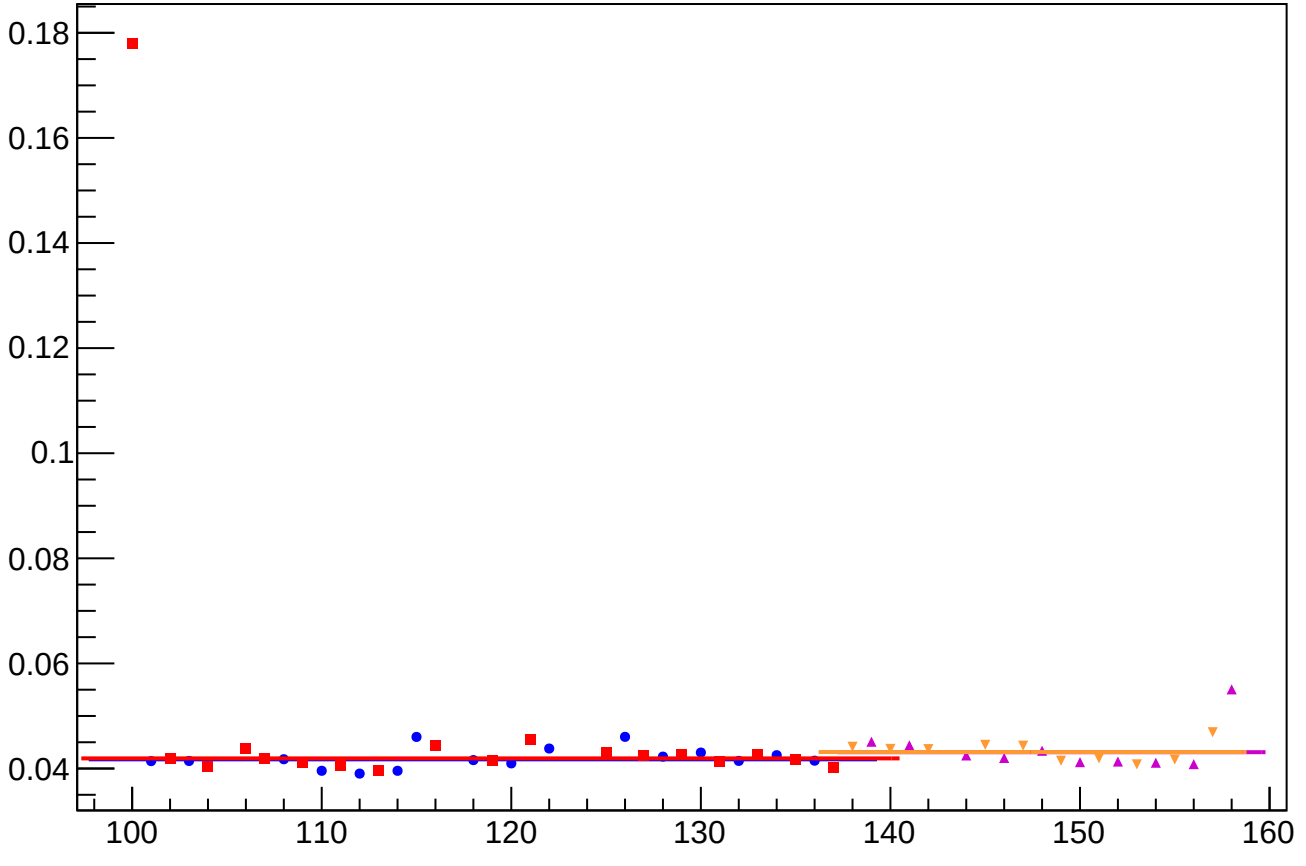
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.574+/-0.000 χ^2/NDF:585972084.6/25

Out: -25.576+/-0.000 χ^2/NDF:9074999791.4/27

All: -25.575+/-0.000 χ^2/NDF: 9660993102.5/

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.043+/-0.000 χ^2/NDF:25509.7/9

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.043+/-0.000 χ^2/NDF:102643.9/9

Left: 0.043+/-0.000 χ^2/NDF: 128158.0/19

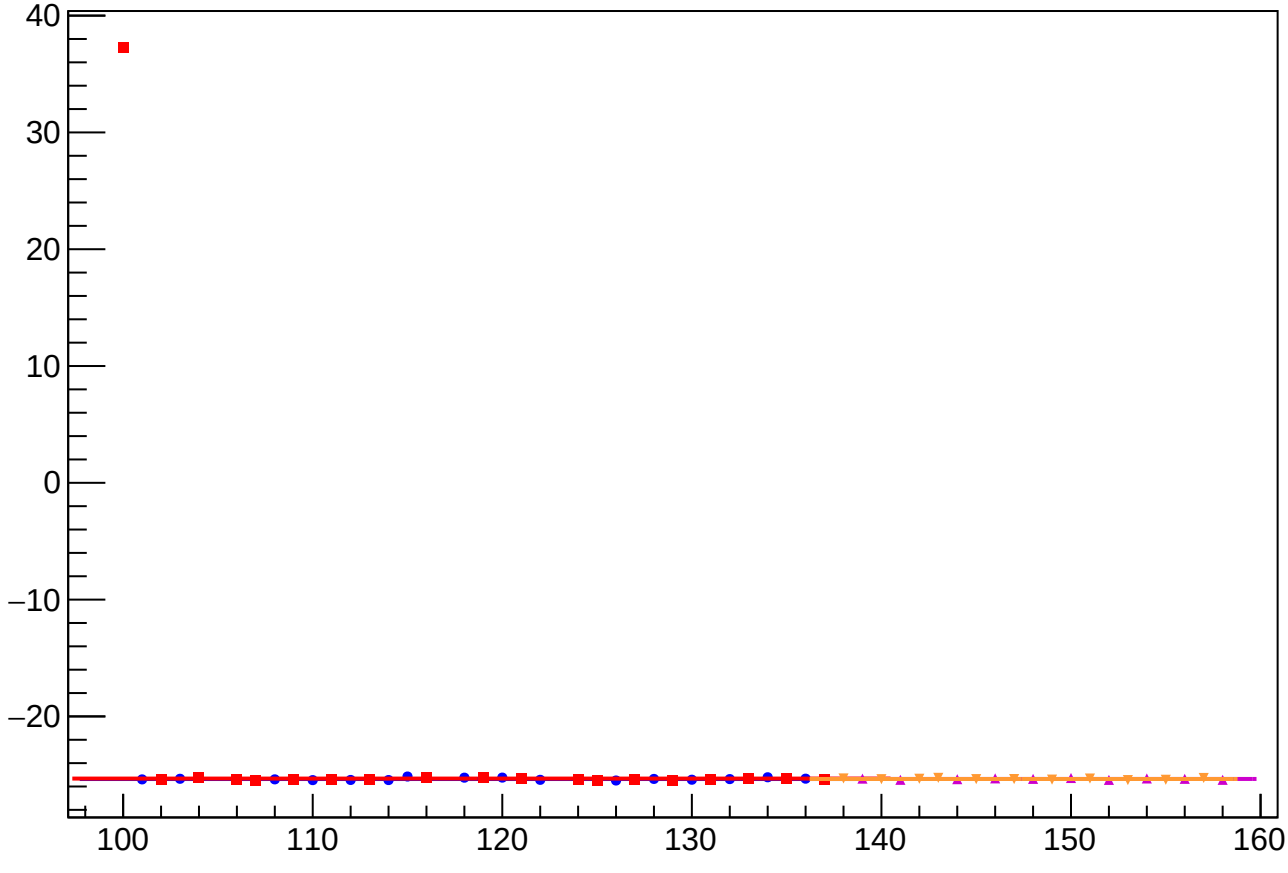
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:131413.2/25

Out: 0.043+/-0.000 χ^2/NDF:131731.6/27

All: 0.042+/-0.000 χ^2/NDF: 263187.3/53

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.358+/-0.000 χ^2/NDF:9815402.2/10

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.354+/-0.000 χ^2/NDF:7925700.0/9

Left: -25.356+/-0.000 χ^2/NDF: 17758459.1/20

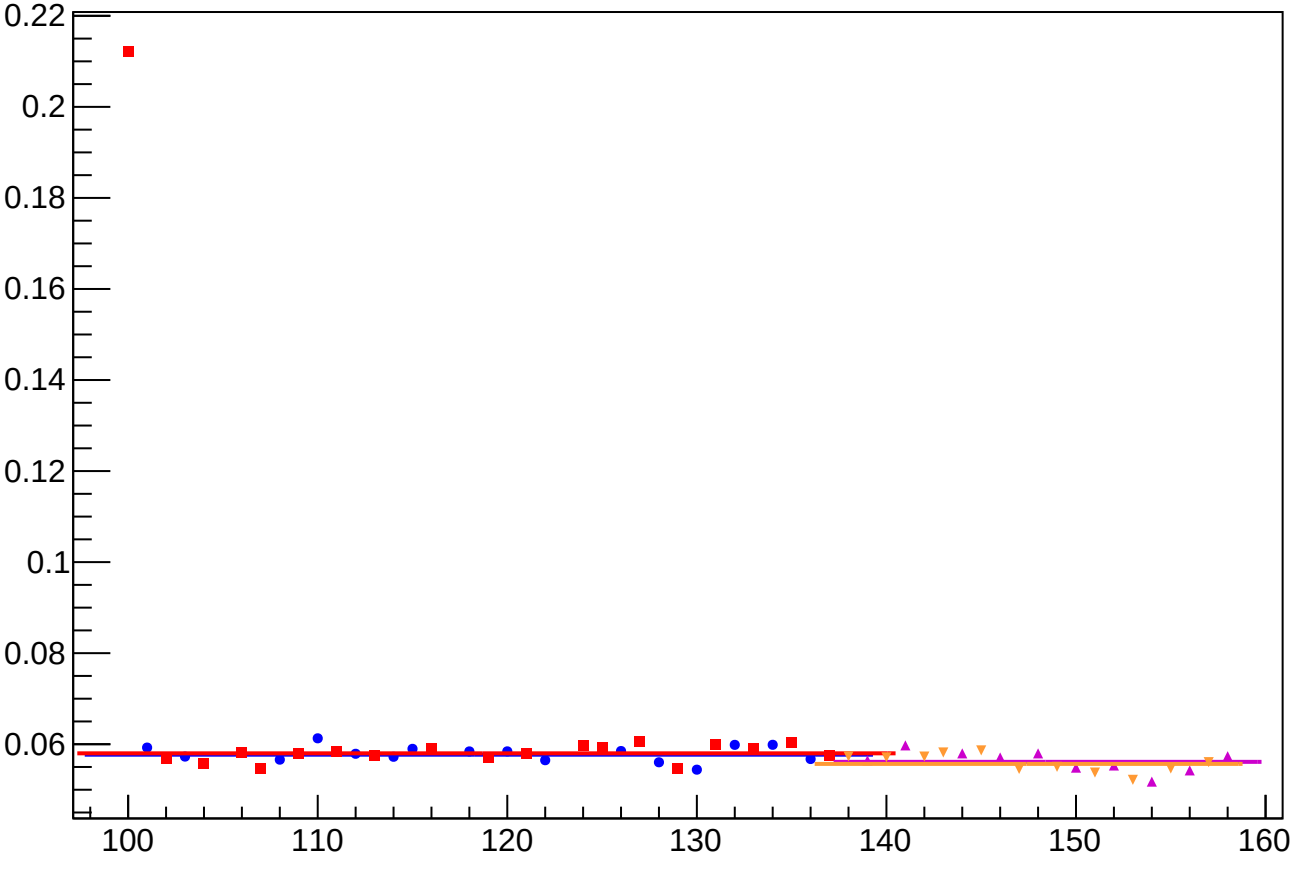
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.357+/-0.000 χ^2/NDF:21256824.0/25

Out: -25.342+/-0.000 χ^2/NDF:6326227092.6/29

All: -25.349+/-0.000 χ^2/NDF: 6348017248.1/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:20595.2/10

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26188.7/9

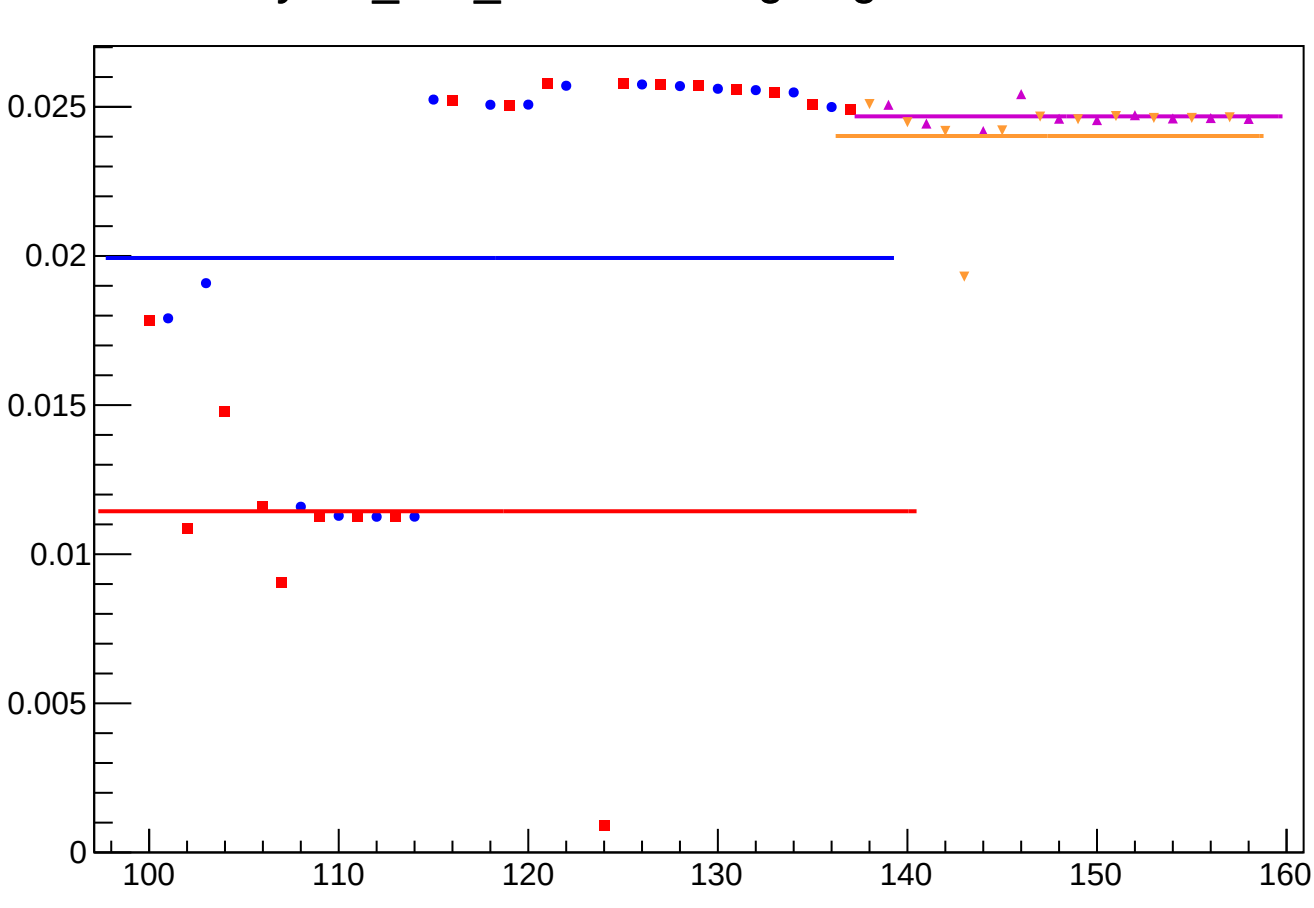
Left: 0.056+/-0.000 χ^2/NDF: 47327.9/20

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.057+/-0.000 χ^2/NDF:43777.6/25

Out: 0.057+/-0.000 χ^2/NDF:122173.3/29

All: 0.057+/-0.000 χ^2/NDF: 166014.5/55



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4543388965.2/10

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:156101656.5/9

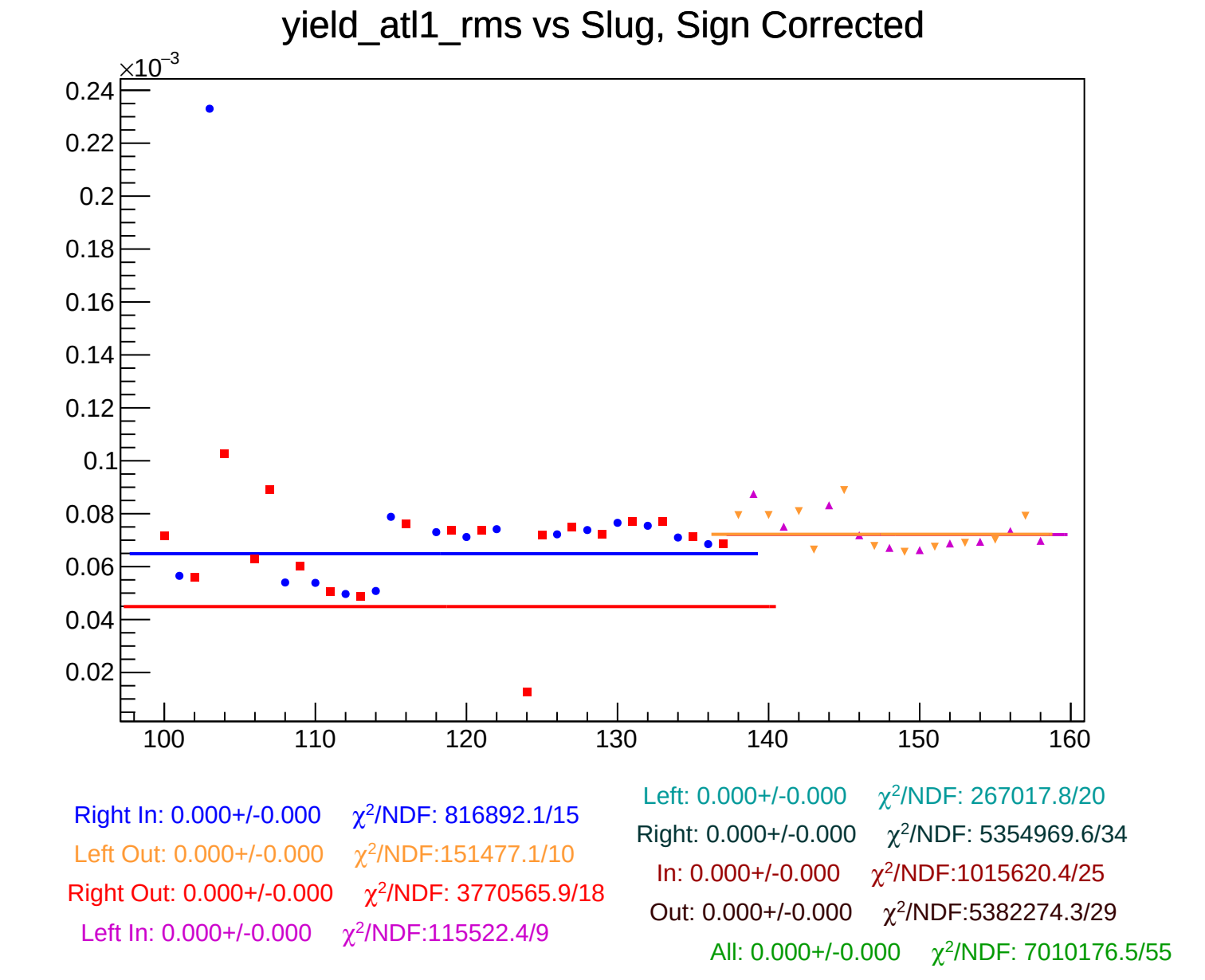
Left: 0.024+/-0.000 χ^2/NDF: 5049432072.8/20

Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

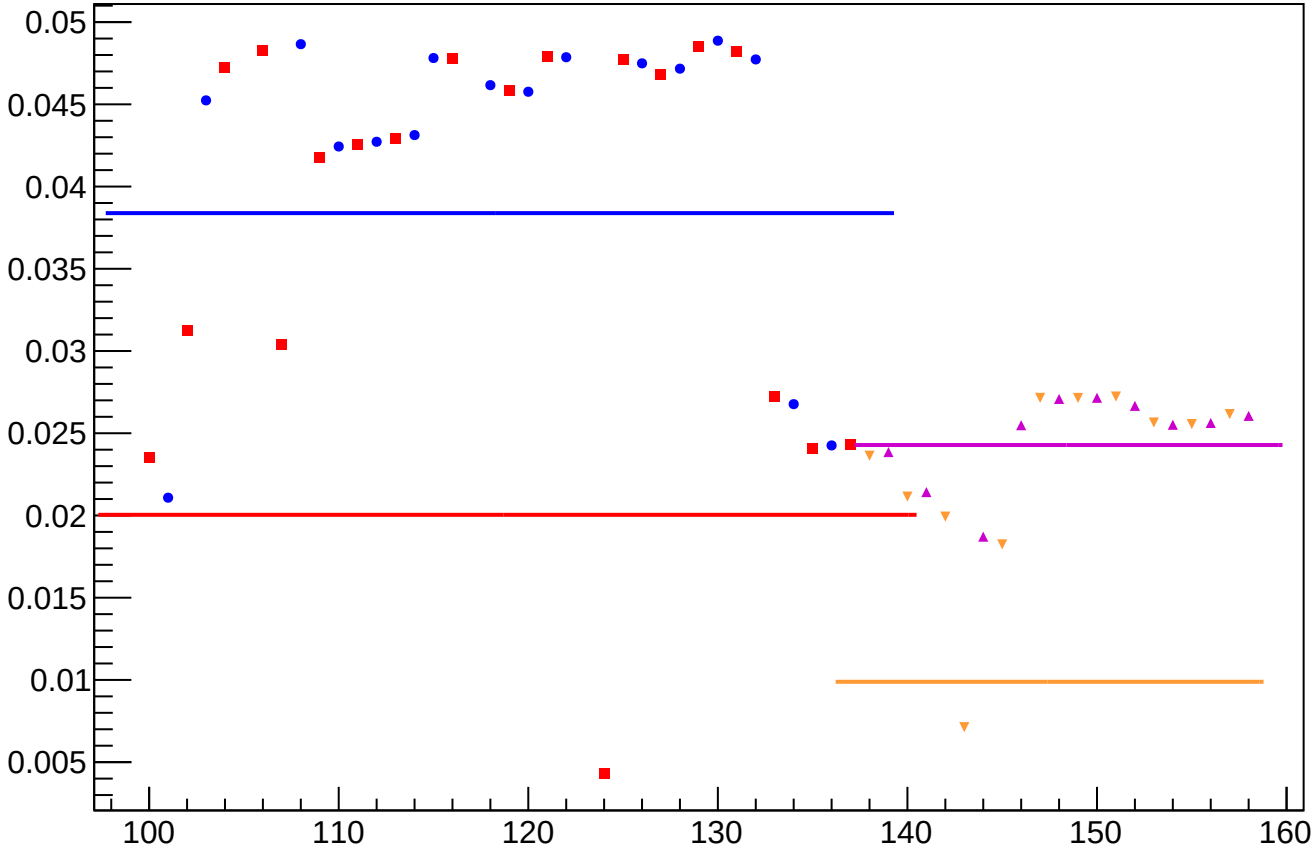
In: 0.022+/-0.000 χ^2/NDF:80560185872.9/25

Out: 0.016+/-0.000 χ^2/NDF:413476358671.9/29

All: 0.019+/-0.000 χ^2/NDF: 559373647116.2


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 816892.1/15
Left Out: 0.000+/-0.000 χ²/NDF:151477.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 3770565.9/18
Left In: 0.000+/-0.000 χ²/NDF:115522.4/9
Left: 0.000+/-0.000 χ²/NDF: 267017.8/20
Right: 0.000+/-0.000 χ²/NDF: 5354969.6/34
In: 0.000+/-0.000 χ²/NDF:1015620.4/25
Out: 0.000+/-0.000 χ²/NDF:5382274.3/29
All: 0.000+/-0.000 χ²/NDF: 7010176.5/55

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:21168777189.2/10

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.024+/-0.000 χ^2/NDF:883160233.8/9

Left: 0.012+/-0.000 χ^2/NDF: 38568926503.6/20

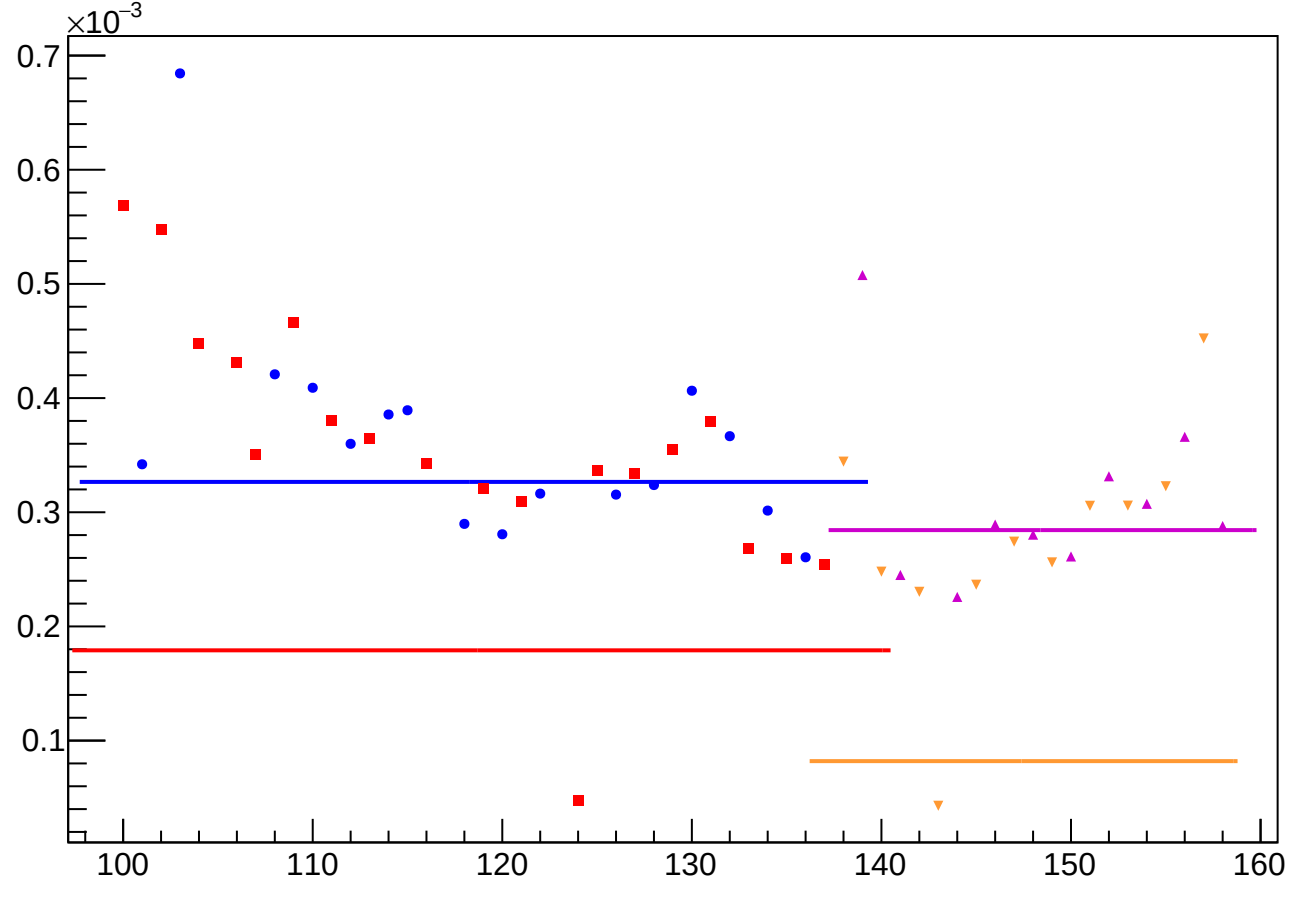
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.030+/-0.000 χ^2/NDF:15186834308.0/25

Out: 0.012+/-0.000 χ^2/NDF:73546915793.7/29

All: 0.015+/-0.000 χ^2/NDF: 128463701973.1

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:8509818.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:584249.6/9

Left: 0.000+/-0.000 χ^2/NDF: 15620064.8/20

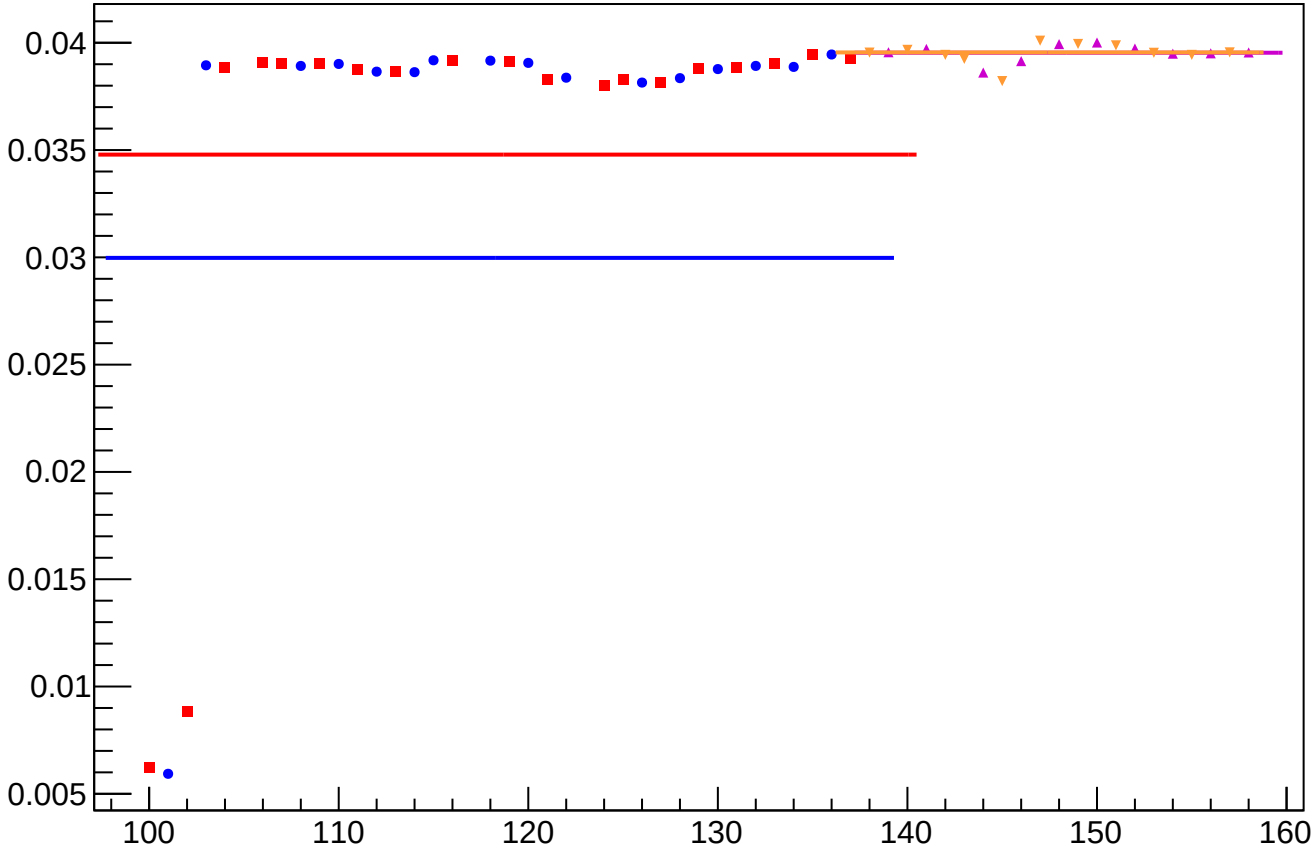
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1295235.9/25

Out: 0.000+/-0.000 χ^2/NDF:16033256.2/29

All: 0.000+/-0.000 χ^2/NDF: 27254395.6/55

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:92854471.0/10

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65846393.8/9

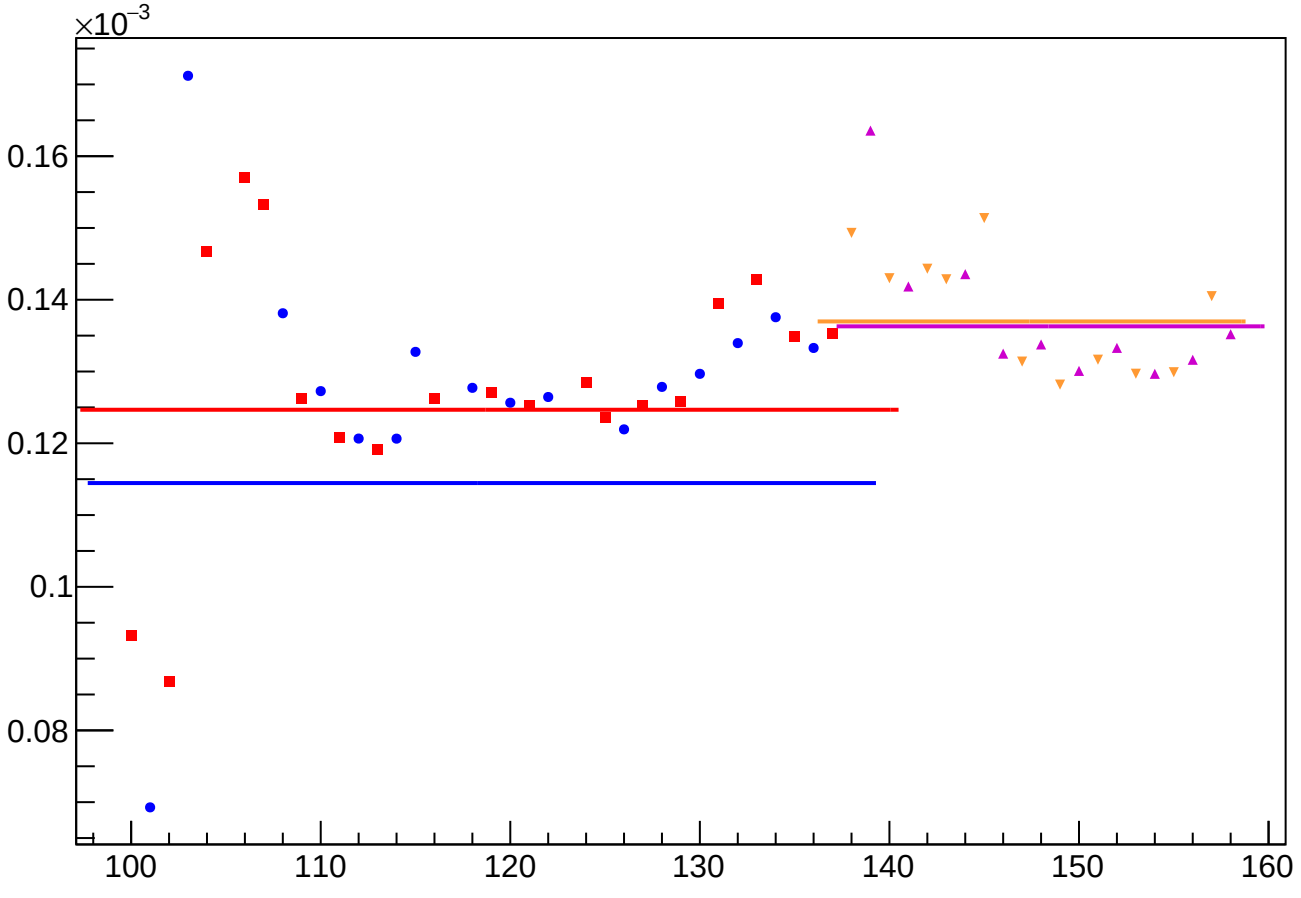
Left: 0.040+/-0.000 χ^2/NDF: 158752126.9/20

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.034+/-0.000 χ^2/NDF:130250119582.1/25

Out: 0.037+/-0.000 χ^2/NDF:52414020019.5/29

All: 0.036+/-0.000 χ^2/NDF: 185979084002.7



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:56380.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:66410.8/9

Left: 0.000+/-0.000 χ^2/NDF: 123001.9/20

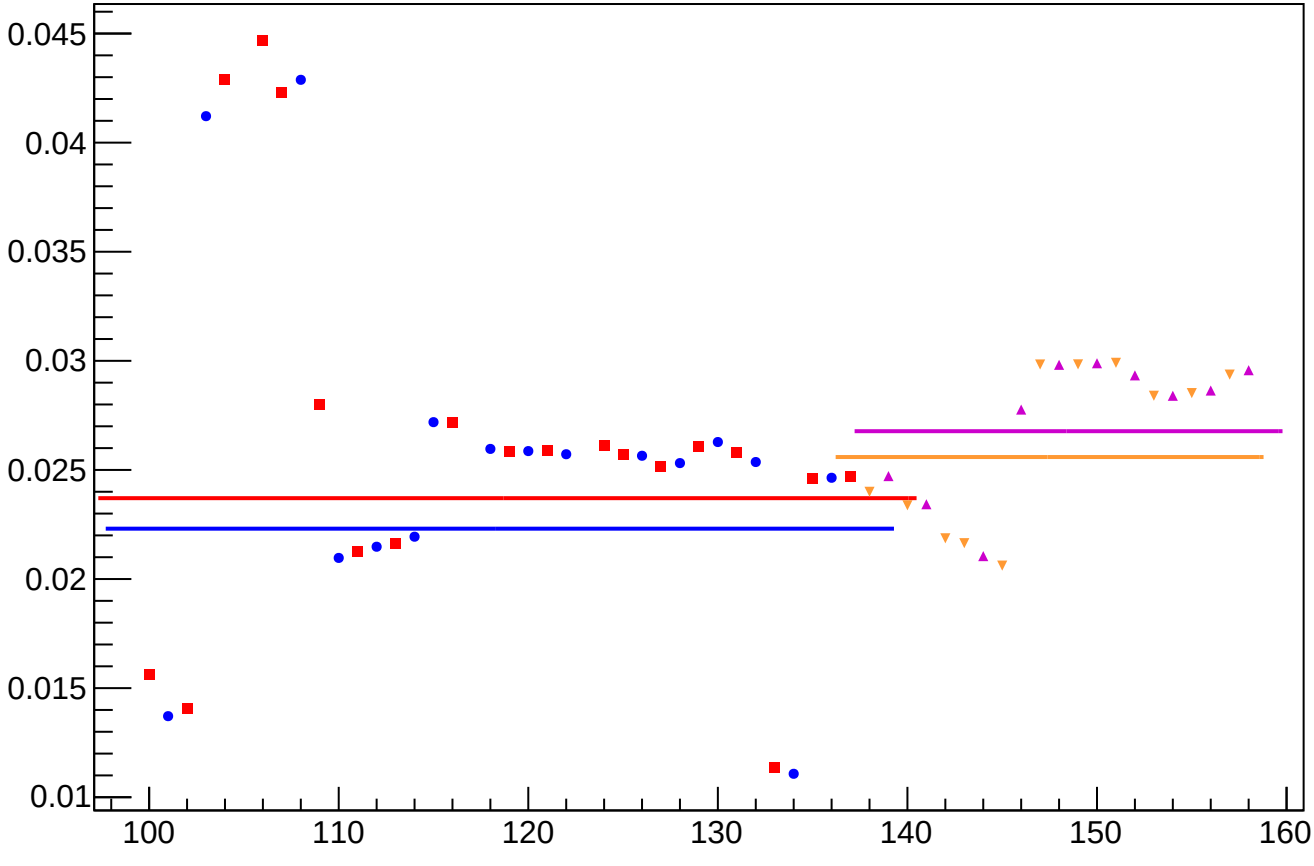
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1148132.2/25

Out: 0.000+/-0.000 χ^2/NDF:384300.6/29

All: 0.000+/-0.000 χ^2/NDF: 1566287.7/55

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1490769931.1/10

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1128569141.1/9

Left: 0.026+/-0.000 χ^2/NDF: 2690954935.7/20

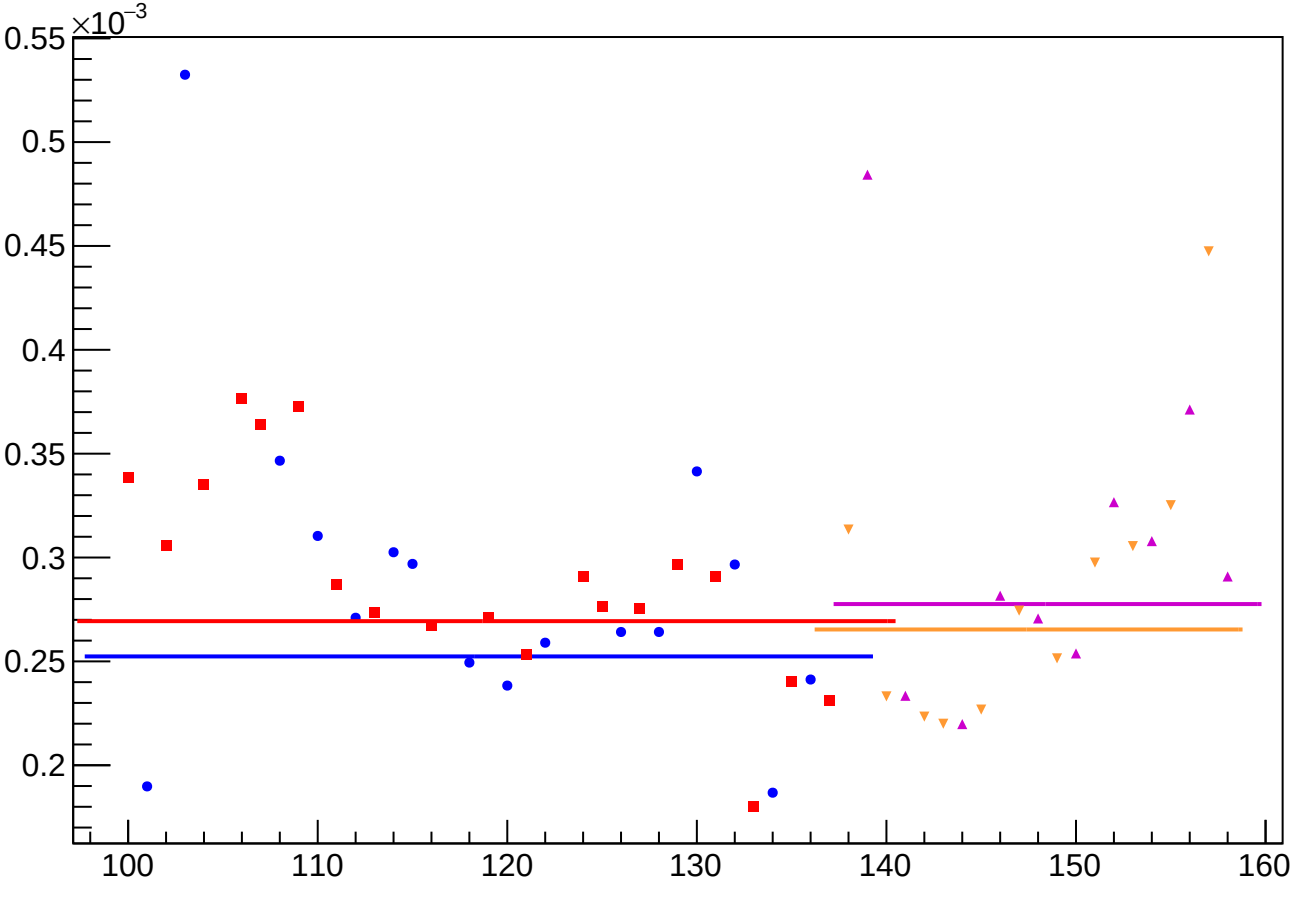
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7126407432.3/25

Out: 0.025+/-0.000 χ^2/NDF:7244040845.0/29

All: 0.025+/-0.000 χ^2/NDF: 14373287209.3/5

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:503532.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:626439.9/9

Left: 0.000+/-0.000 χ^2/NDF: 1145261.2/20

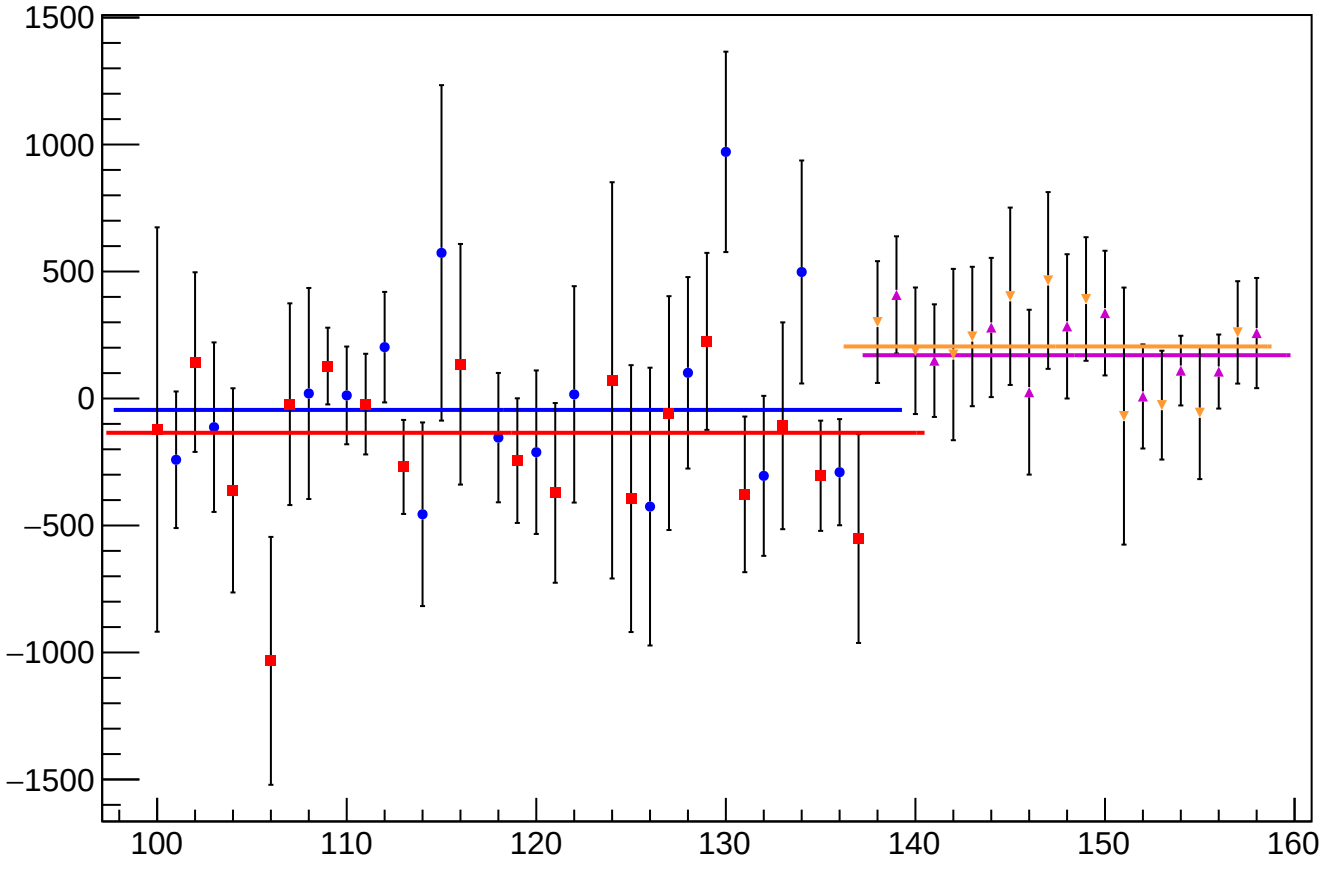
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1397053.0/25

Out: 0.000+/-0.000 χ^2/NDF:951445.6/29

All: 0.000+/-0.000 χ^2/NDF: 2349391.6/55

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 204.932+/-80.620 χ^2/NDF:4.2/10

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 170.425+/-65.080 χ^2/NDF:3.2/9

Left: 184.039+/-50.640 χ^2/NDF: 7.5/20

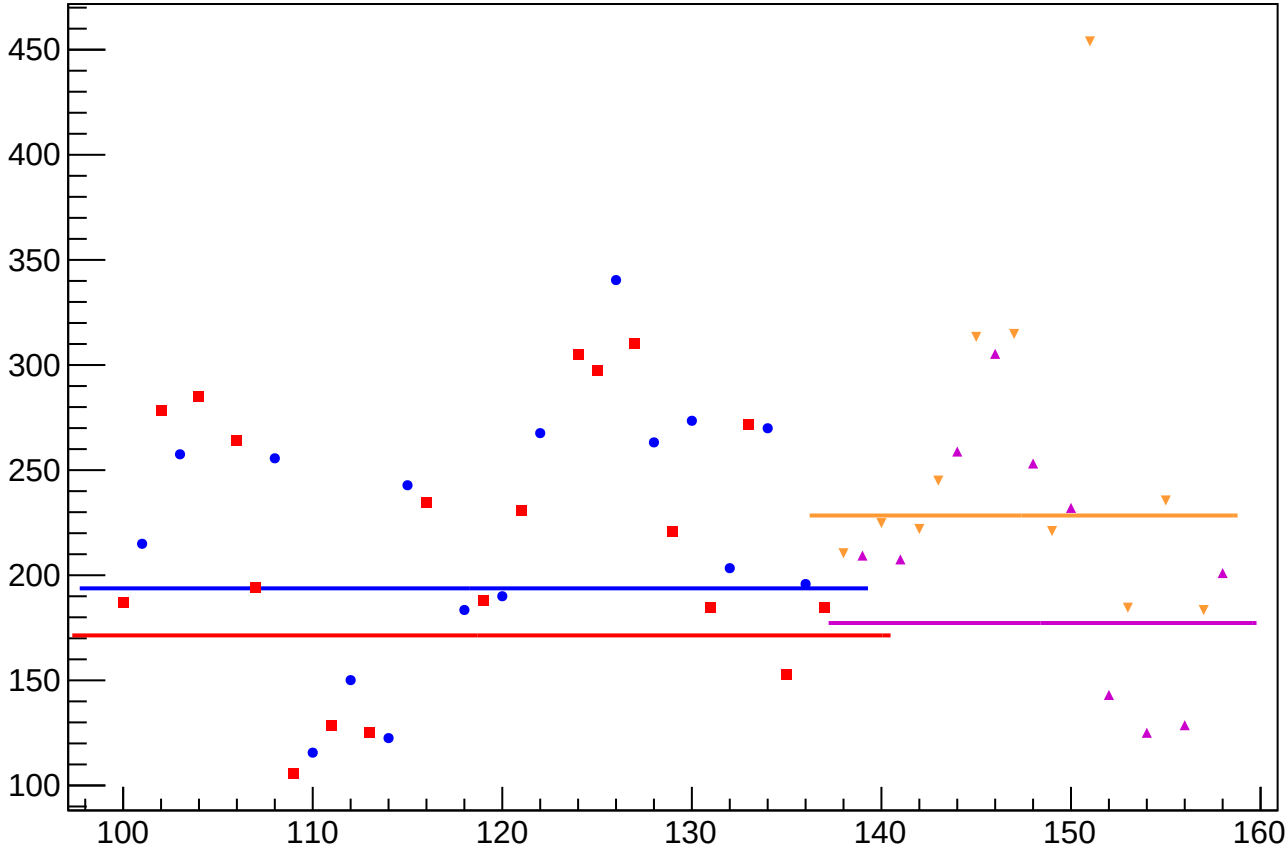
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 79.596+/-49.487 χ^2/NDF:23.3/25

Out: 6.460+/-52.007 χ^2/NDF:27.5/29

All: 44.843+/-35.850 χ^2/NDF: 51.8/55

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: 228.422+/-0.057 χ^2/NDF:845164.1/10

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 177.281+/-0.046 χ^2/NDF:1397891.8/9

Left: 197.458+/-0.036 χ^2/NDF: 2730333.1/20

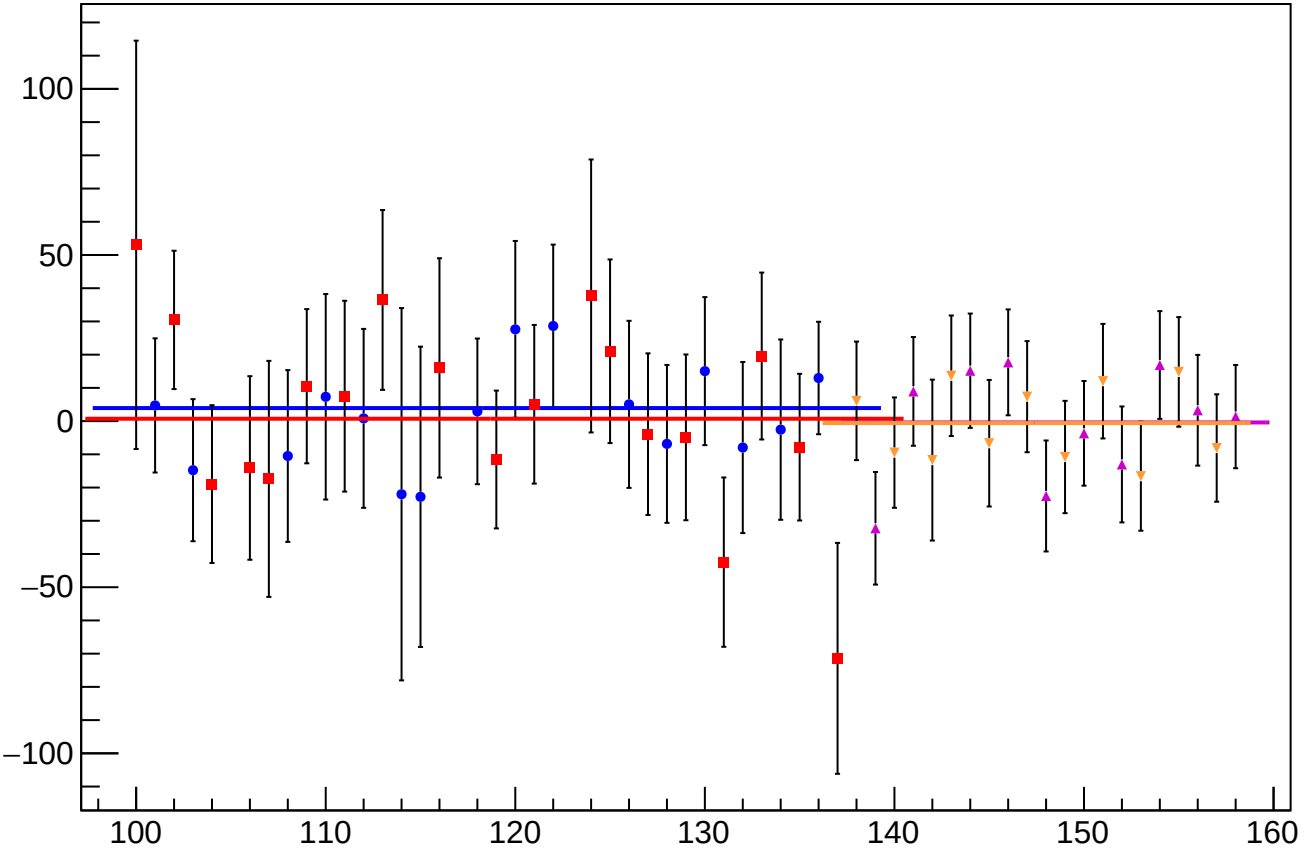
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 184.235+/-0.035 χ^2/NDF:2500125.5/25

Out: 195.118+/-0.037 χ^2/NDF:3087796.4/29

All: 189.407+/-0.025 χ^2/NDF: 5633890.3/55

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: -0.594+/-5.276 χ^2/NDF:4.5/10

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -0.404+/-5.200 χ^2/NDF:9.5/9

Left: -0.498+/-3.704 χ^2/NDF: 14.0/20

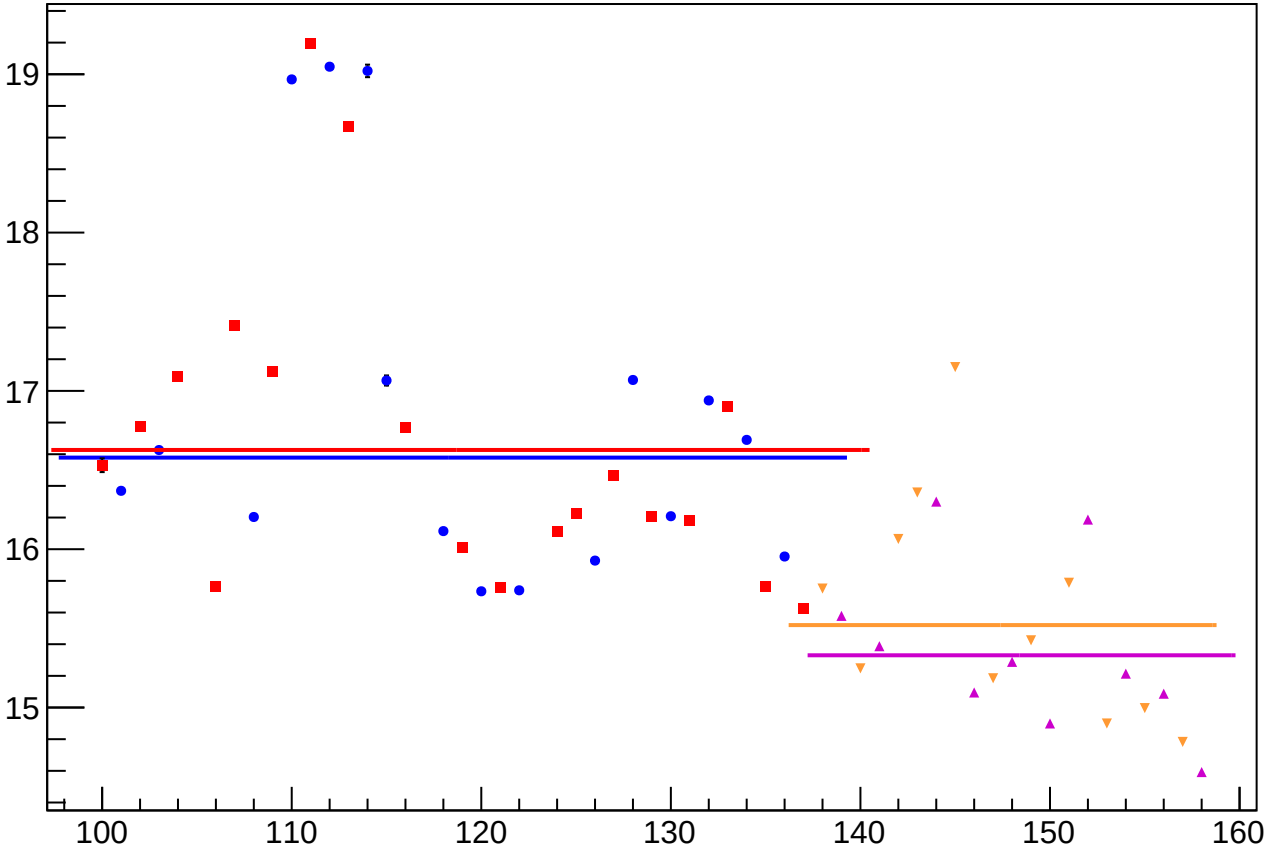
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 1.393+/-3.977 χ^2/NDF:14.3/25

Out: -0.032+/-3.984 χ^2/NDF:20.4/29

All: 0.682+/-2.815 χ^2/NDF: 34.8/55

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: 15.521+/-0.004 χ^2/NDF:31196.5/10

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.330+/-0.004 χ^2/NDF:18624.2/9

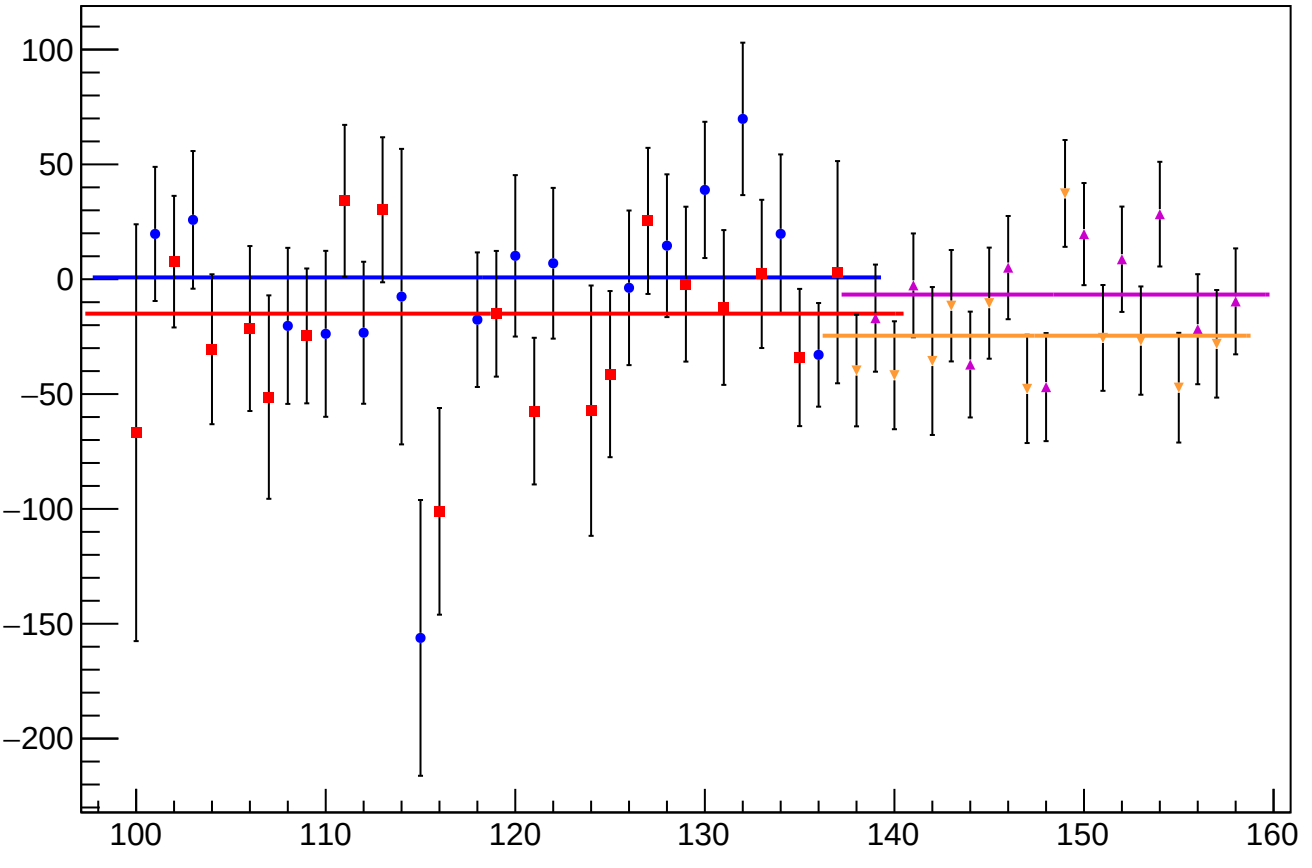
Left: 15.424+/-0.003 χ^2/NDF: 51146.5/20

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.848+/-0.003 χ^2/NDF:111075.0/25

Out: 15.996+/-0.003 χ^2/NDF:112444.8/29

All: 15.922+/-0.002 χ^2/NDF: 224898.3/55



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -24.584+/-7.297 χ^2/NDF:10.7/10

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -6.673+/-7.266 χ^2/NDF:9.8/9

Left: -15.591+/-5.149 χ^2/NDF: 23.5/20

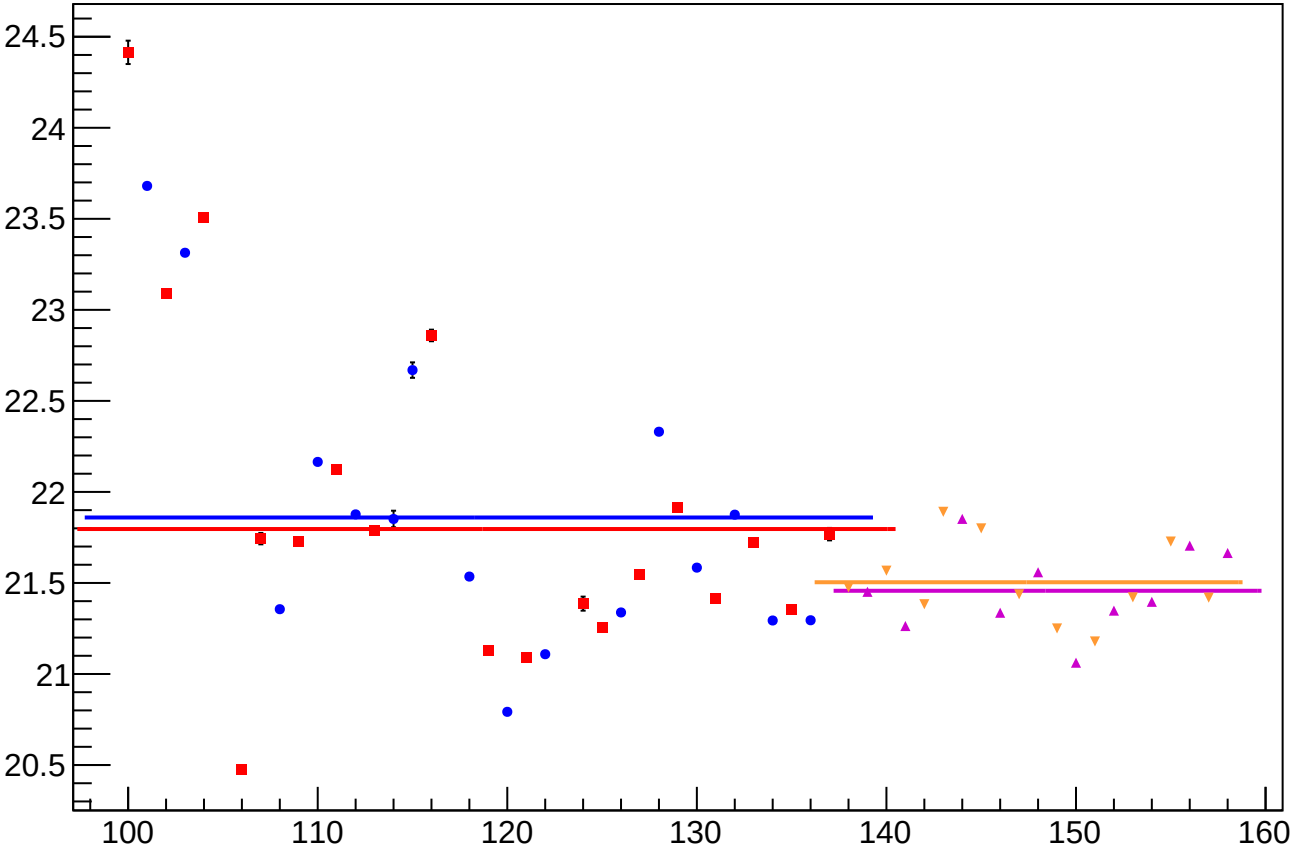
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.356+/-5.416 χ^2/NDF:28.9/25

Out: -20.195+/-5.377 χ^2/NDF:26.9/29

All: -11.837+/-3.816 χ^2/NDF: 60.7/55

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: 21.504+/-0.005 χ^2/NDF:1732.1/10

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.457+/-0.005 χ^2/NDF:1895.8/9

Left: 21.480+/-0.004 χ^2/NDF: 3669.3/20

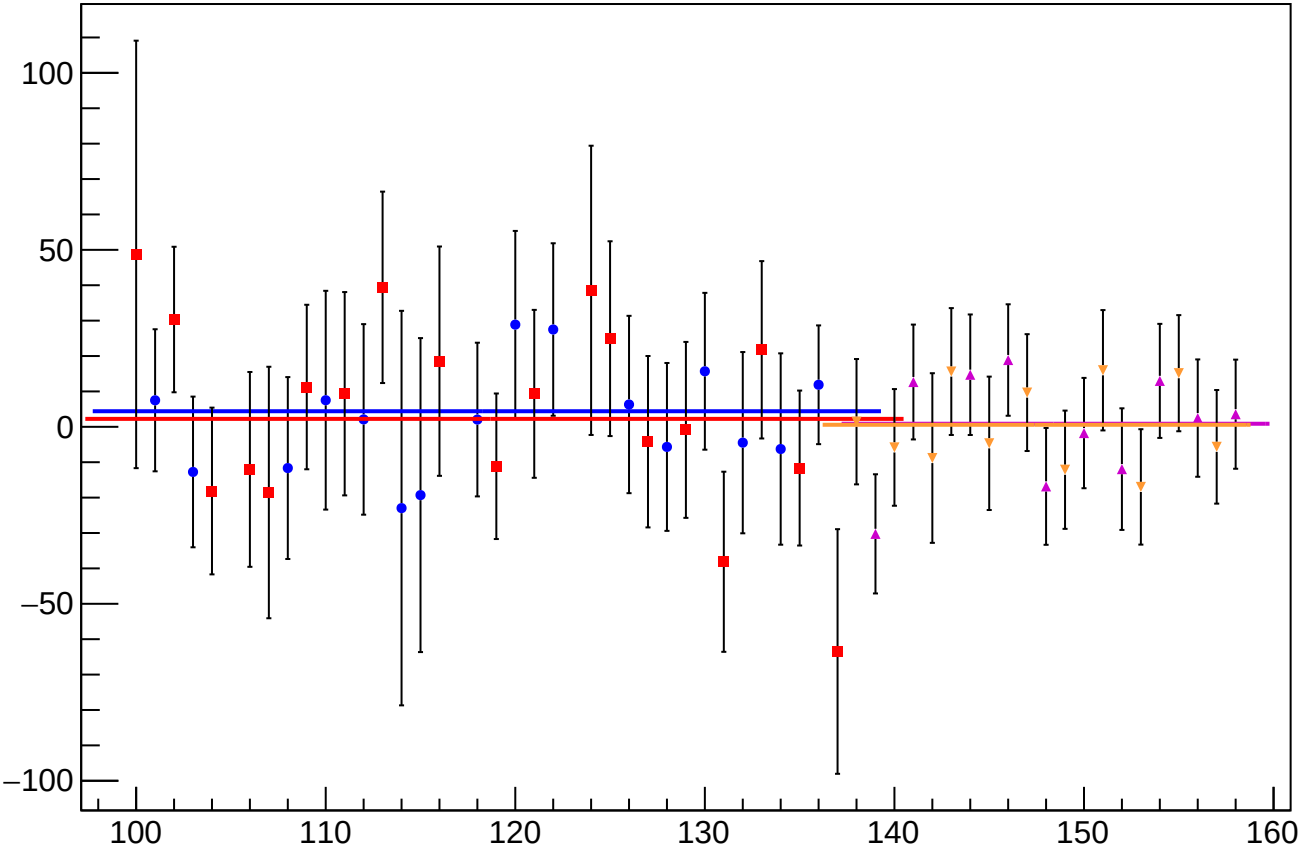
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.636+/-0.004 χ^2/NDF:24091.3/25

Out: 21.638+/-0.004 χ^2/NDF:22060.1/29

All: 21.637+/-0.003 χ^2/NDF: 46151.4/55

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 0.578+/-5.226 χ^2/NDF:4.9/10

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.869+/-5.151 χ^2/NDF:8.3/9

Left: 0.725+/-3.669 χ^2/NDF: 13.1/20

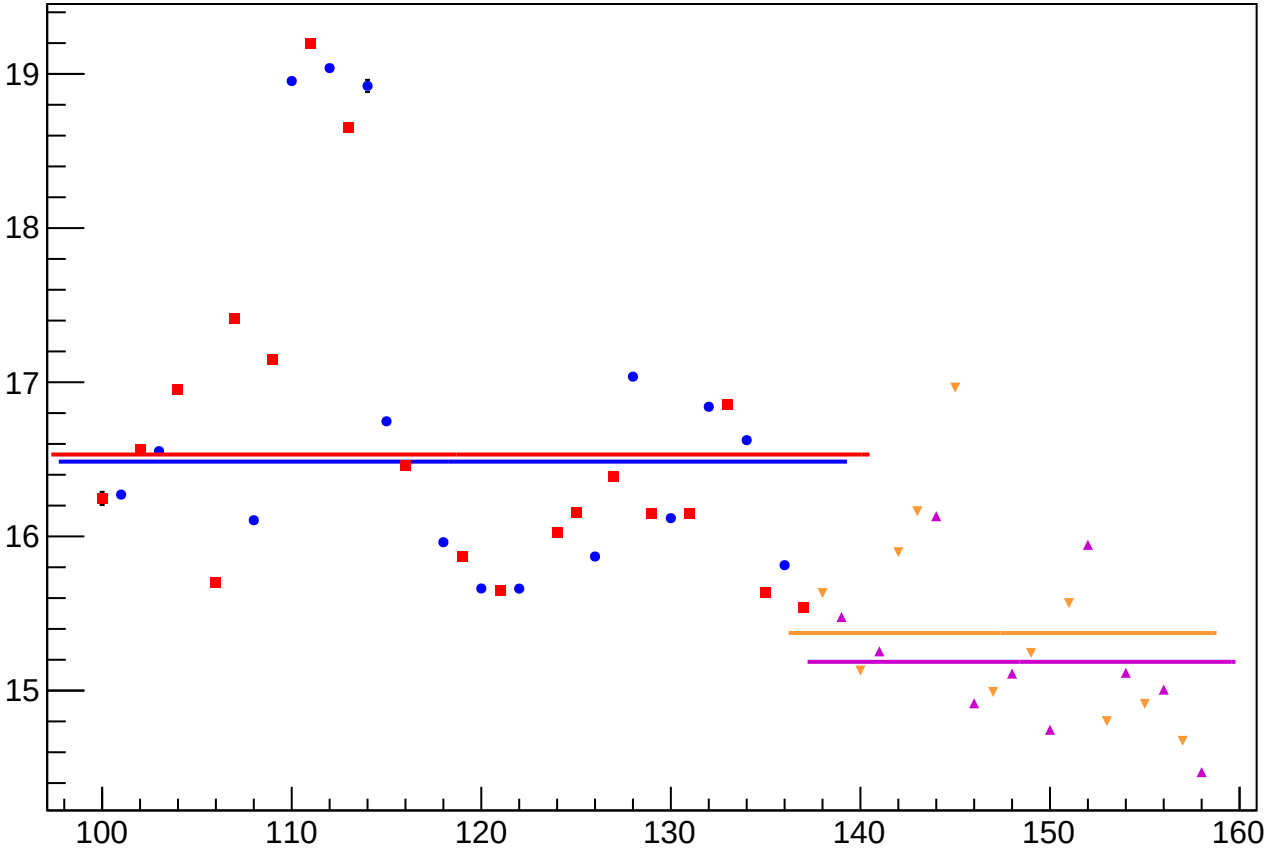
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 2.330+/-3.946 χ^2/NDF:12.7/25

Out: 1.291+/-3.953 χ^2/NDF:20.3/29

All: 1.811+/-2.792 χ^2/NDF: 33.1/55

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: 15.374+/-0.004 χ^2/NDF:29263.5/10

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.186+/-0.004 χ^2/NDF:17502.8/9

Left: 15.279+/-0.003 χ^2/NDF: 48065.9/20

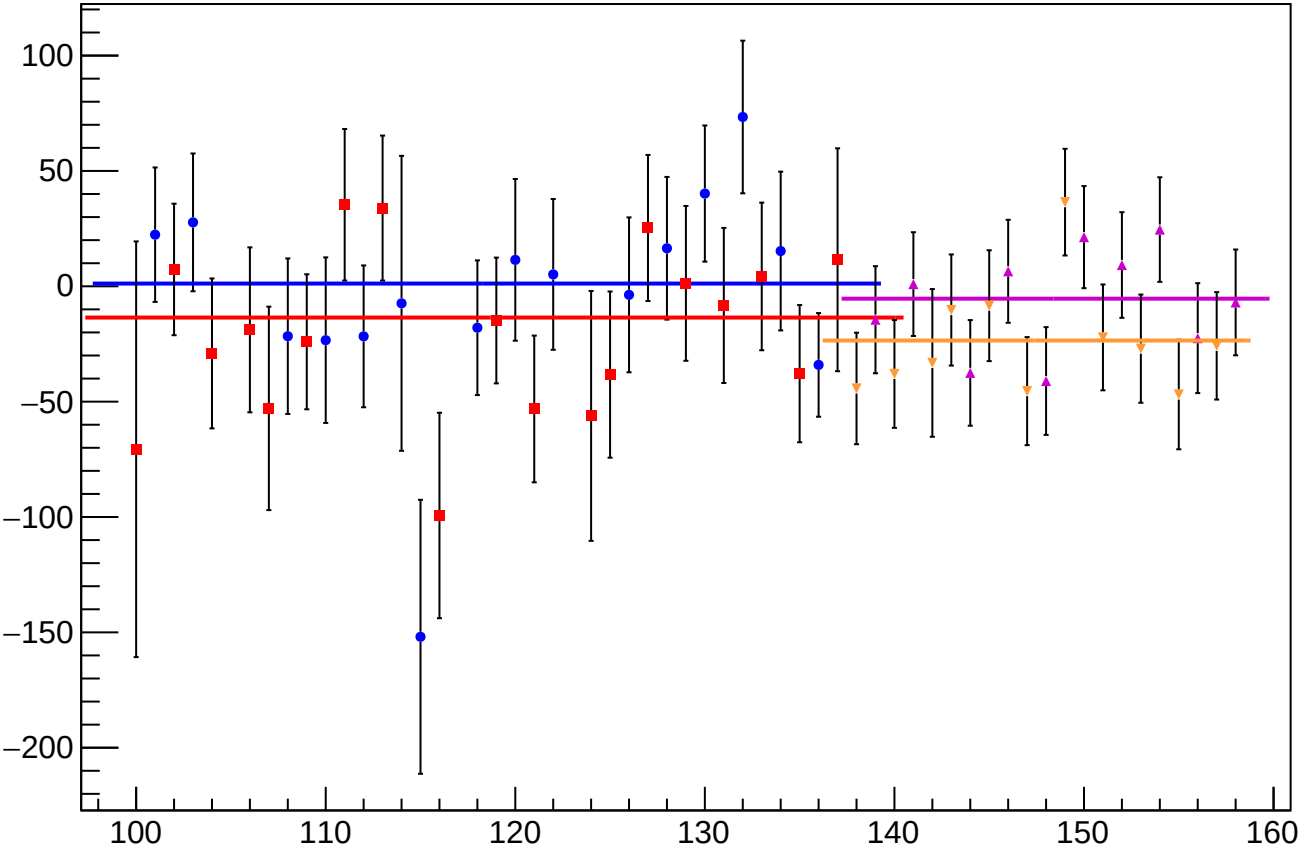
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.723+/-0.003 χ^2/NDF:117225.2/25

Out: 15.869+/-0.003 χ^2/NDF:117742.7/29

All: 15.796+/-0.002 χ^2/NDF: 236329.6/55

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -23.498+/-7.254 χ^2/NDF:10.5/10

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -5.366+/-7.228 χ^2/NDF:9.0/9

Left: -14.400+/-5.120 χ^2/NDF: 22.6/20

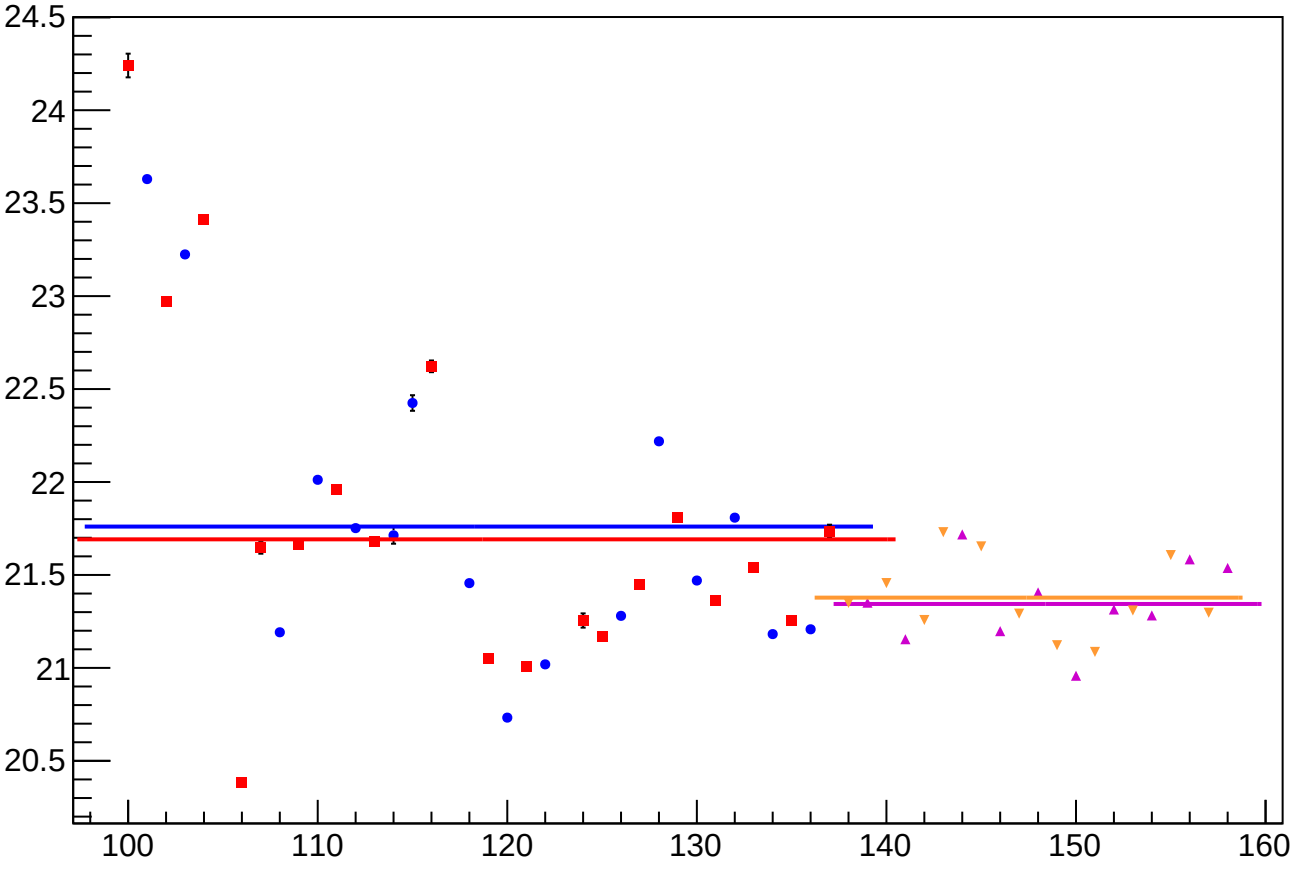
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -2.457+/-5.389 χ^2/NDF:28.7/25

Out: -18.957+/-5.348 χ^2/NDF:27.3/29

All: -10.771+/-3.796 χ^2/NDF: 60.8/55

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: 21.378+/-0.005 χ^2/NDF:1568.2/10

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.344+/-0.005 χ^2/NDF:1749.1/9

Left: 21.361+/-0.004 χ^2/NDF: 3339.5/20

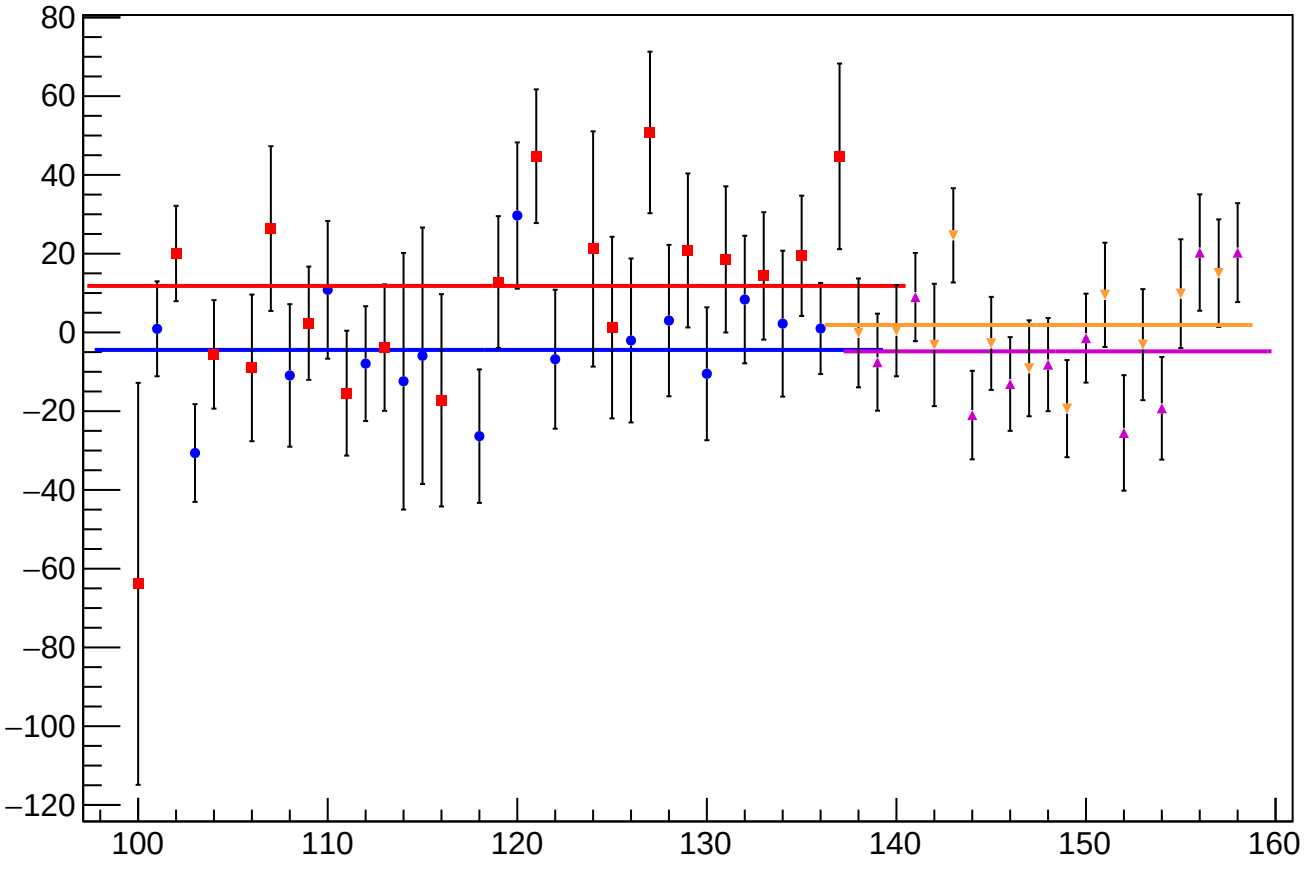
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.529+/-0.004 χ^2/NDF:24441.7/25

Out: 21.521+/-0.004 χ^2/NDF:21604.9/29

All: 21.525+/-0.003 χ^2/NDF: 46048.6/55

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: 1.891+/-3.903 χ^2/NDF:9.4/10

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -4.811+/-3.893 χ^2/NDF:14.4/9

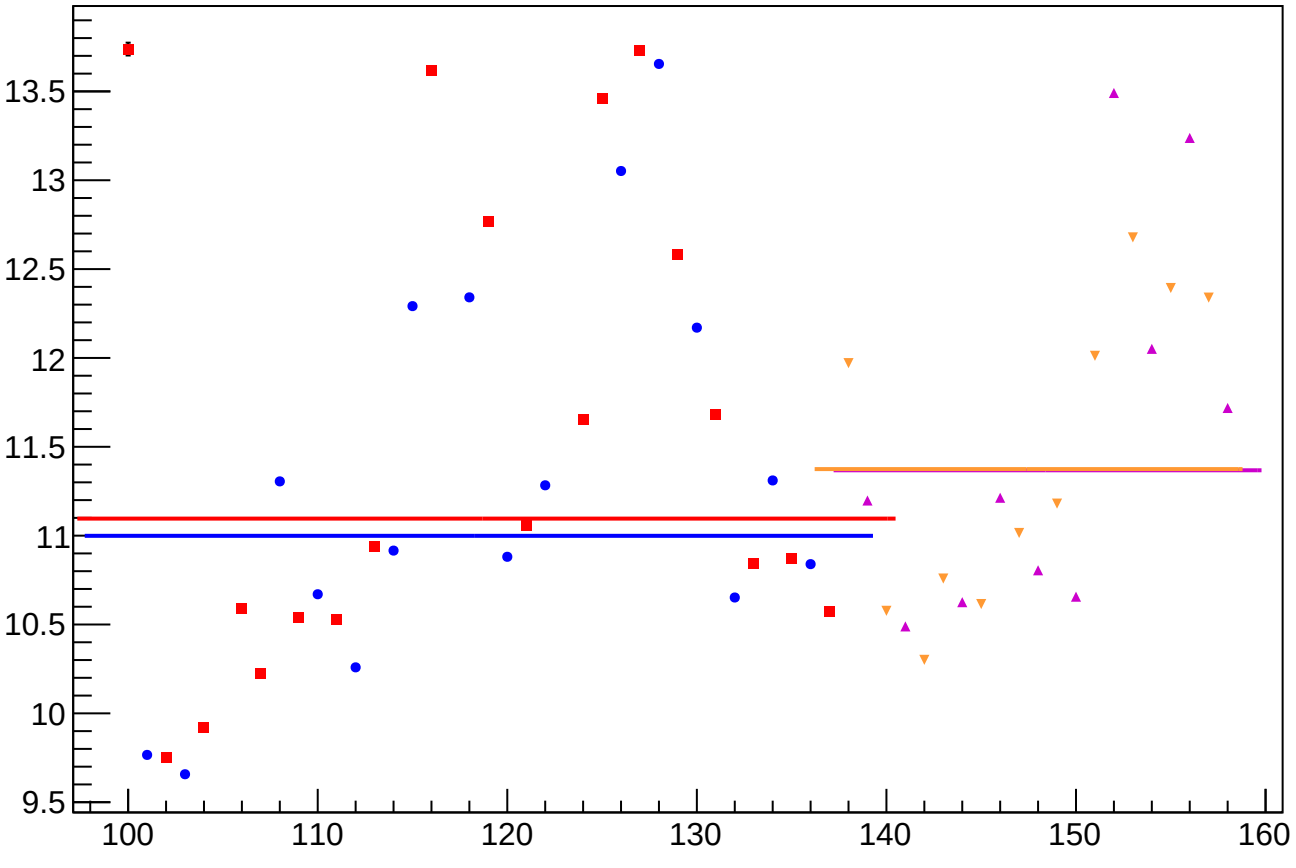
Left: -1.468+/-2.756 χ^2/NDF: 25.3/20

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -4.636+/-2.833 χ^2/NDF:26.4/25

Out: 6.608+/-2.826 χ^2/NDF:34.2/29

All: 1.000+/-2.001 χ^2/NDF: 68.5/55



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.375+/-0.003 χ^2/NDF:81186.0/10

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.368+/-0.003 χ^2/NDF:115225.7/9

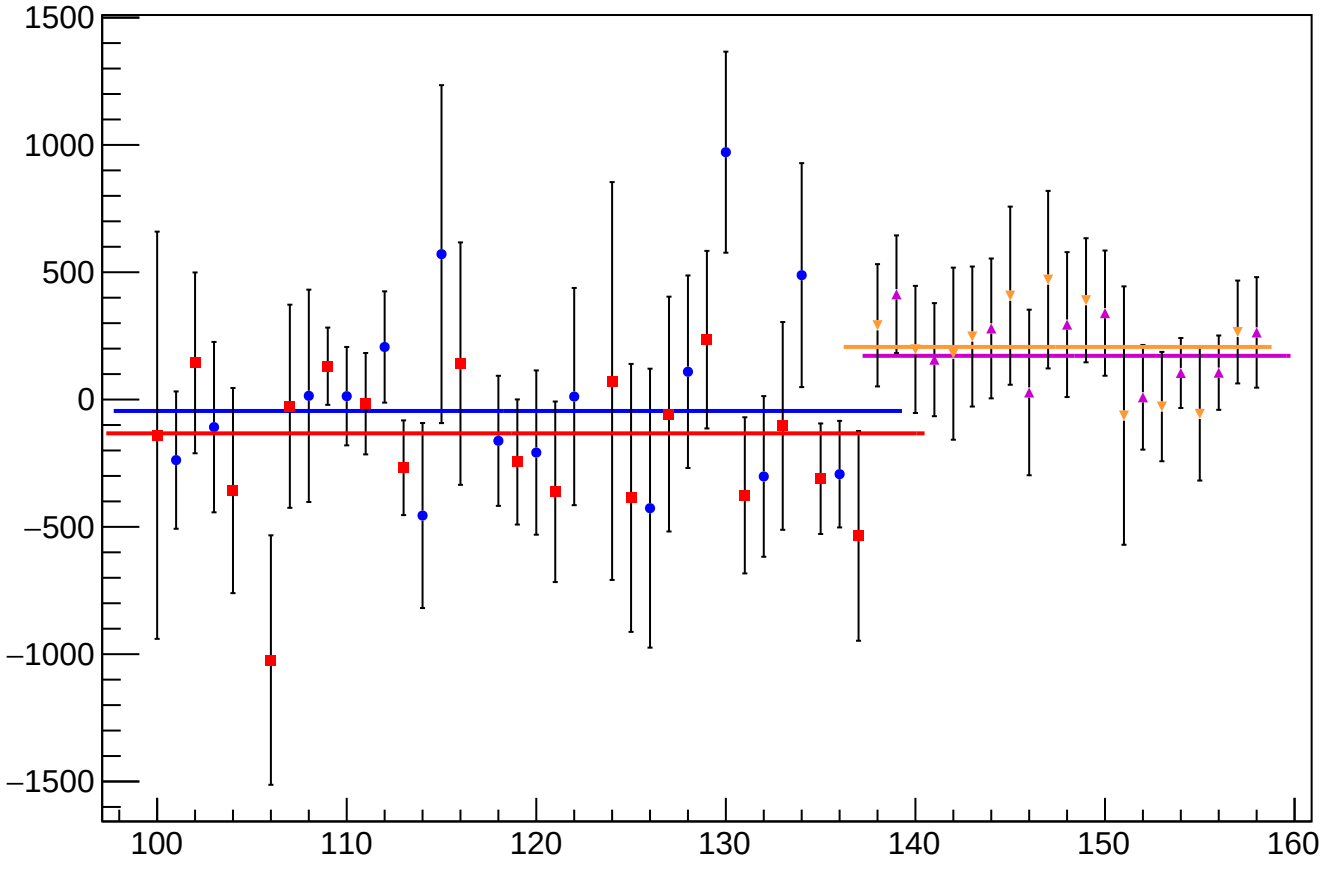
Left: 11.371+/-0.002 χ^2/NDF: 196414.6/20

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.194+/-0.002 χ^2/NDF:259827.6/25

Out: 11.242+/-0.002 χ^2/NDF:248942.3/29

All: 11.218+/-0.001 χ^2/NDF: 509053.7/55



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 206.699+/-80.767 χ^2/NDF:4.2/10

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 171.733+/-65.183 χ^2/NDF:3.4/9

Left: 185.524+/-50.725 χ^2/NDF: 7.7/20

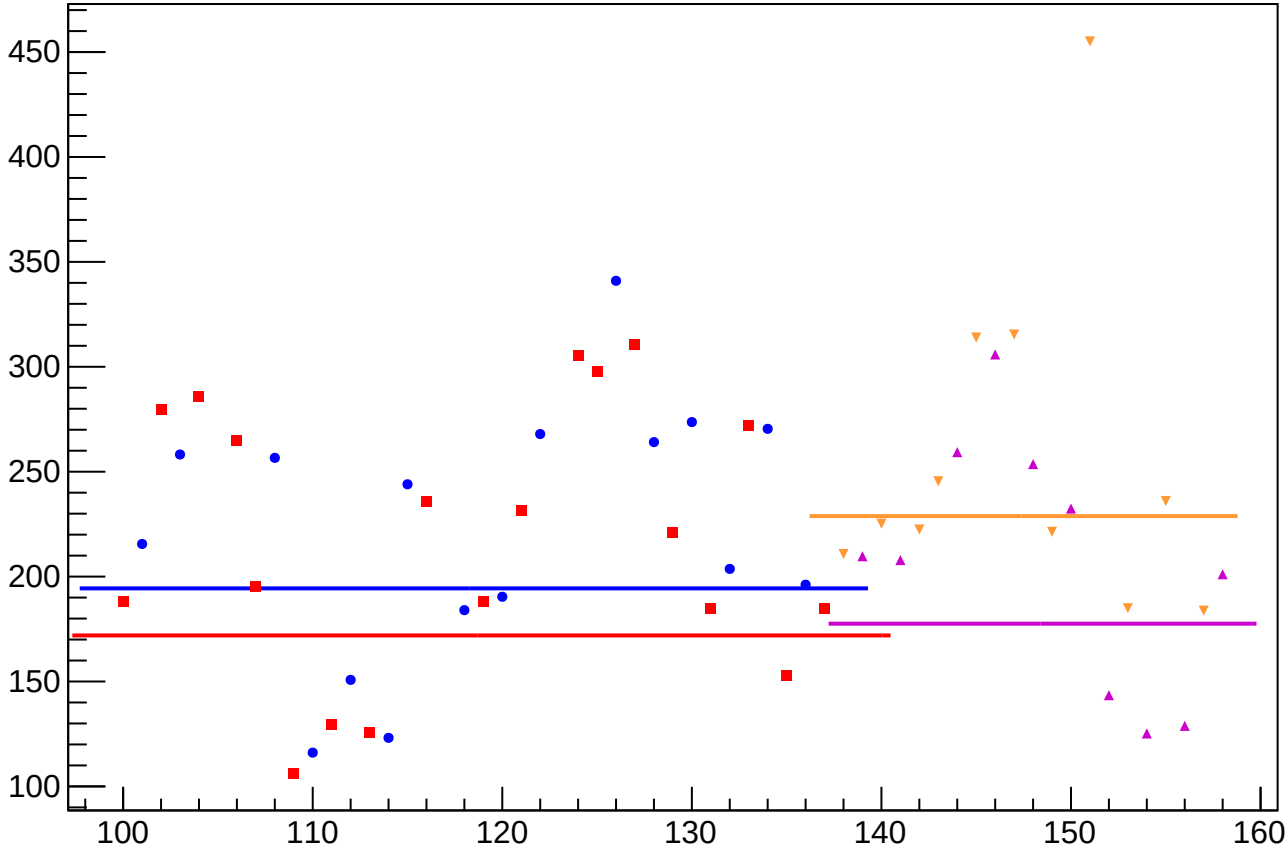
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 80.547+/-49.594 χ^2/NDF:23.4/25

Out: 8.720+/-52.139 χ^2/NDF:27.3/29

All: 46.429+/-35.934 χ^2/NDF: 51.8/55

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: 228.835+/-0.057 χ^2/NDF:845553.4/10

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.560+/-0.046 χ^2/NDF:1397875.2/9

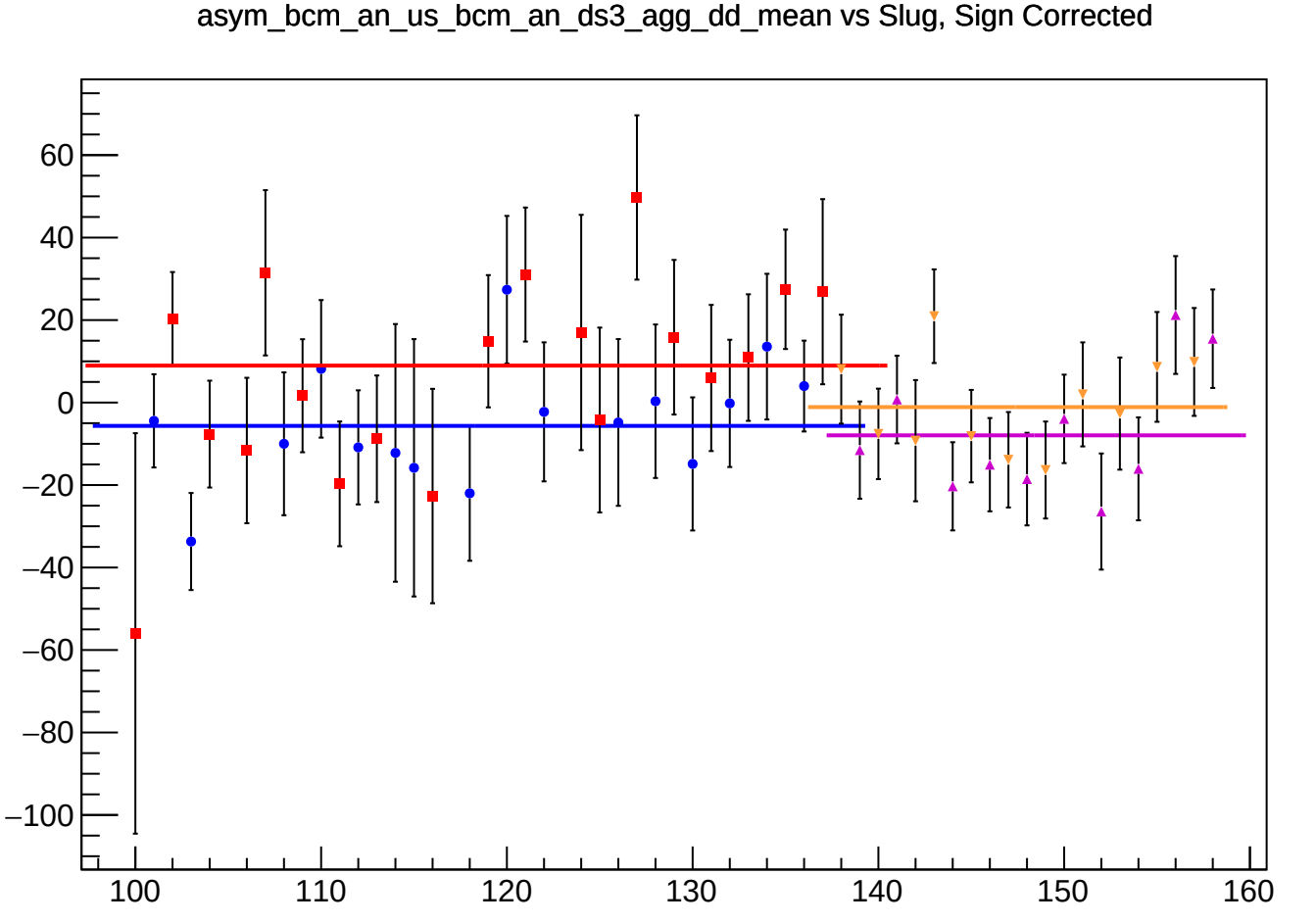
Left: 197.784+/-0.036 χ^2/NDF: 2731561.5/20

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

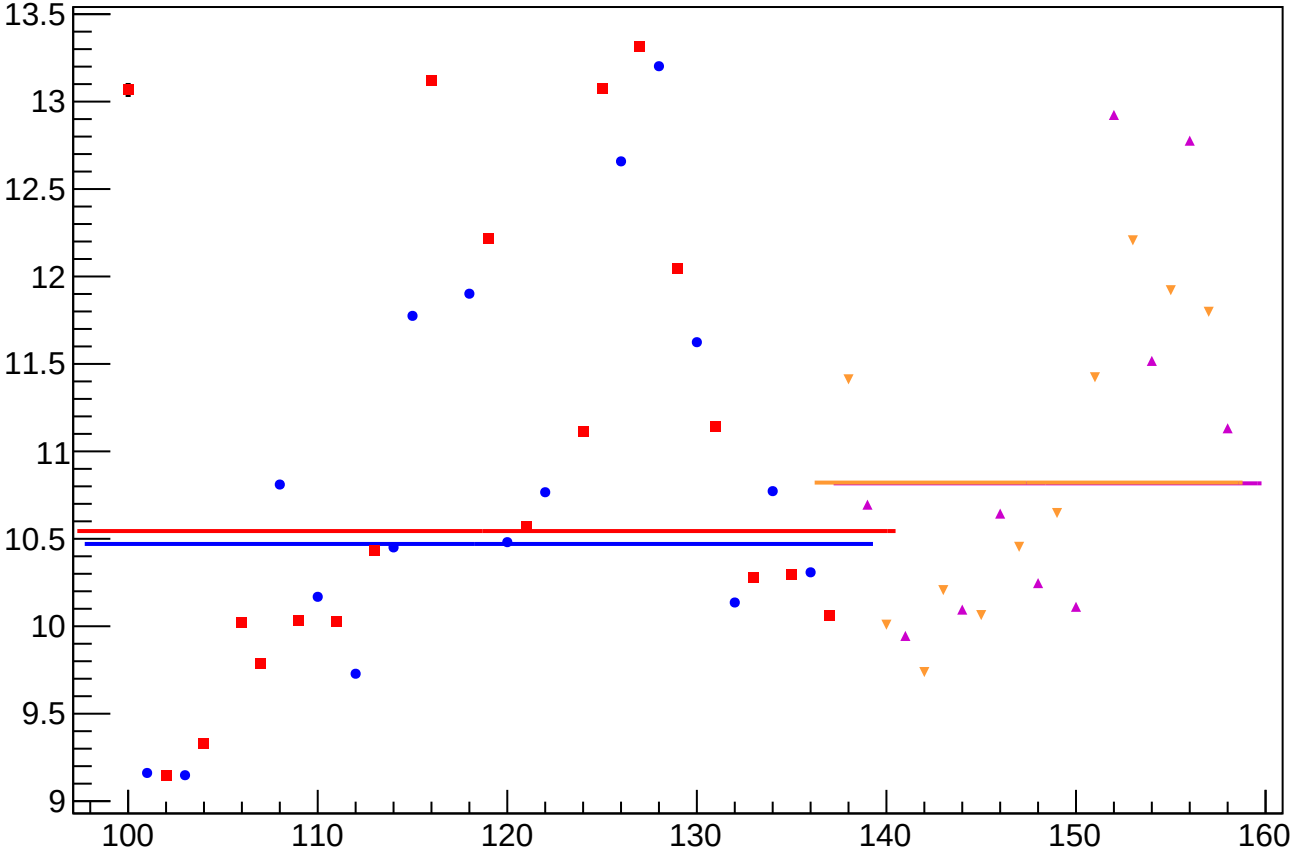
In: 184.645+/-0.035 χ^2/NDF:2496016.1/25

Out: 195.655+/-0.037 χ^2/NDF:3075580.5/29

All: 189.875+/-0.025 χ^2/NDF: 5618414.5/55


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: -5.657+/-3.939 χ²/NDF: 13.7/15
Left Out: -1.103+/-3.720 χ²/NDF:9.5/10
Right Out: 8.960+/-3.901 χ²/NDF: 22.8/18
Left In: -7.948+/-3.711 χ²/NDF:13.7/9
Left: -4.534+/-2.627 χ²/NDF: 24.9/20
Right: 1.723+/-2.772 χ²/NDF: 43.4/34
In: -6.871+/-2.701 χ²/NDF:27.5/25
Out: 3.690+/-2.692 χ²/NDF:35.8/29
All: -1.573+/-1.907 χ²/NDF: 71.0/55

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.822+/-0.003 χ^2/NDF:93418.8/10

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.817+/-0.003 χ^2/NDF:127208.4/9

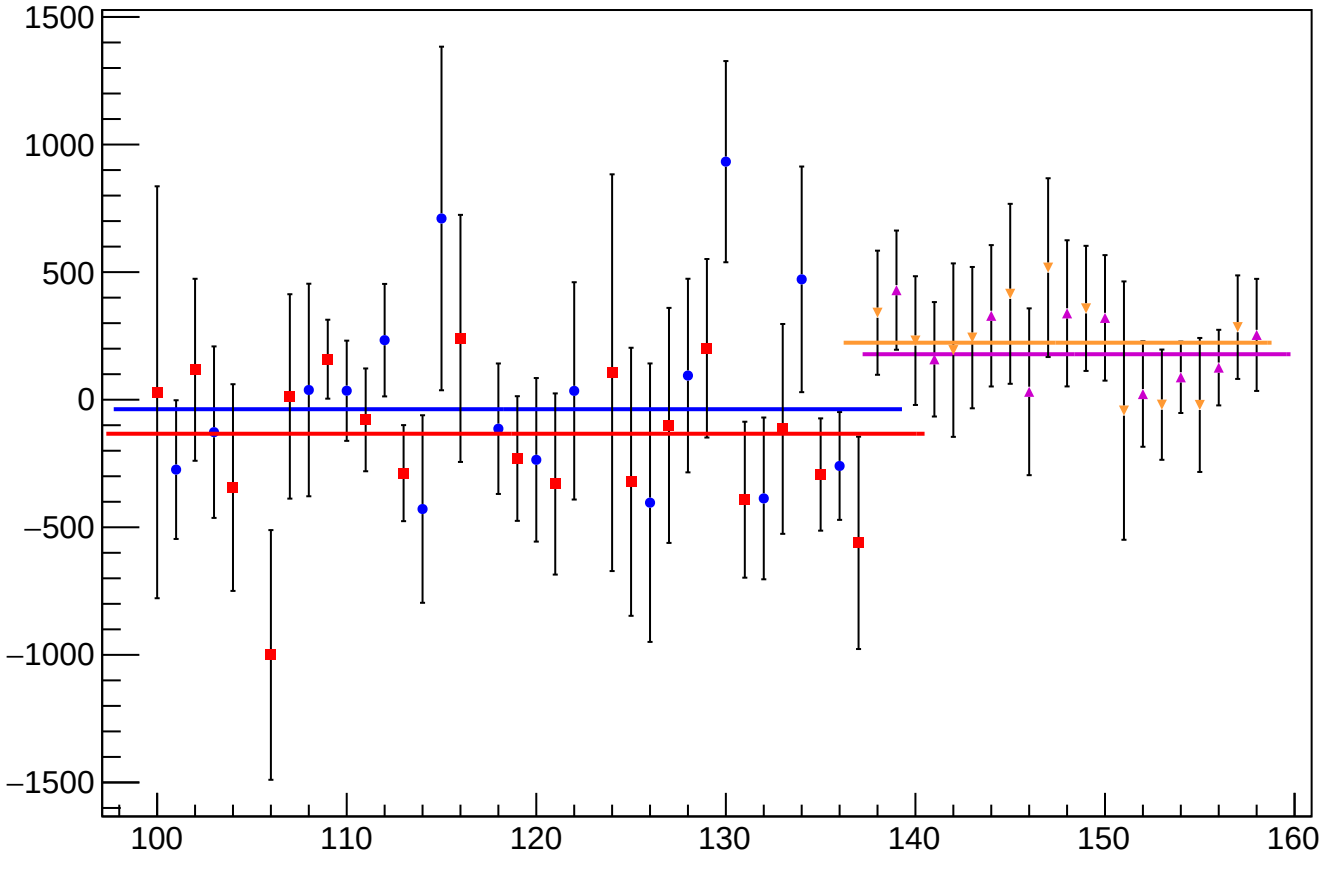
Left: 10.819+/-0.002 χ^2/NDF: 220628.6/20

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.654+/-0.002 χ^2/NDF:292776.6/25

Out: 10.690+/-0.002 χ^2/NDF:285486.9/29

All: 10.672+/-0.001 χ^2/NDF: 578434.7/55



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 223.387+/-81.312 χ^2/NDF:4.0/10

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 178.273+/-65.920 χ^2/NDF:3.5/9

Left: 196.164+/-51.206 χ^2/NDF: 7.8/20

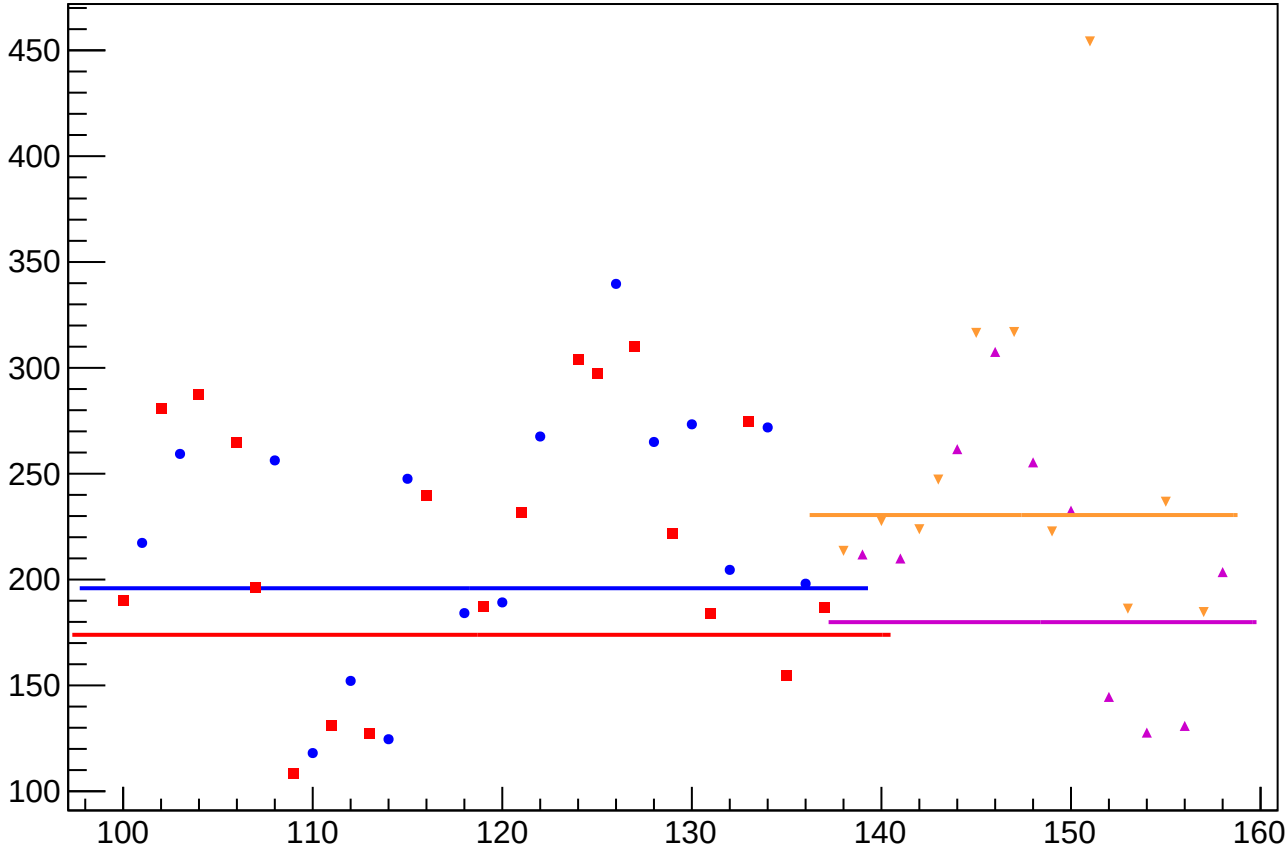
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 87.008+/-50.052 χ^2/NDF:23.7/25

Out: 15.683+/-52.560 χ^2/NDF:28.1/29

All: 53.087+/-36.246 χ^2/NDF: 52.8/55

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 230.478+/-0.057 χ^2/NDF:838468.4/10

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 179.884+/-0.047 χ^2/NDF:1361778.3/9

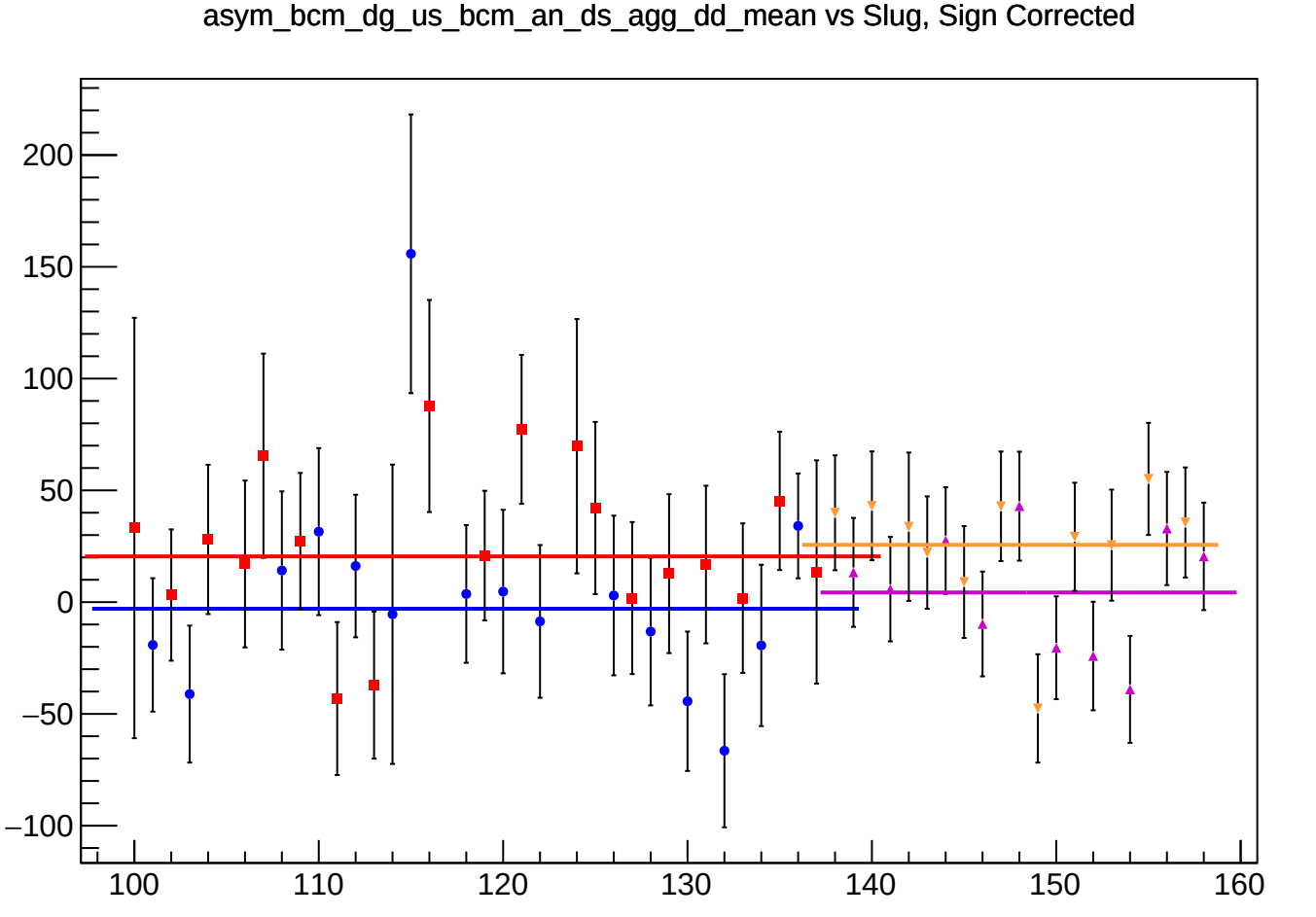
Left: 199.949+/-0.036 χ^2/NDF: 2667476.6/20

Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 186.666+/-0.035 χ^2/NDF:2422782.3/25

Out: 197.541+/-0.037 χ^2/NDF:3001775.1/29

All: 191.838+/-0.026 χ^2/NDF: 5469453.1/55



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 25.623+/-7.619 χ^2/NDF:12.5/10

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 4.324+/-7.580 χ^2/NDF:11.5/9

Left: 14.919+/-5.374 χ^2/NDF: 28.0/20

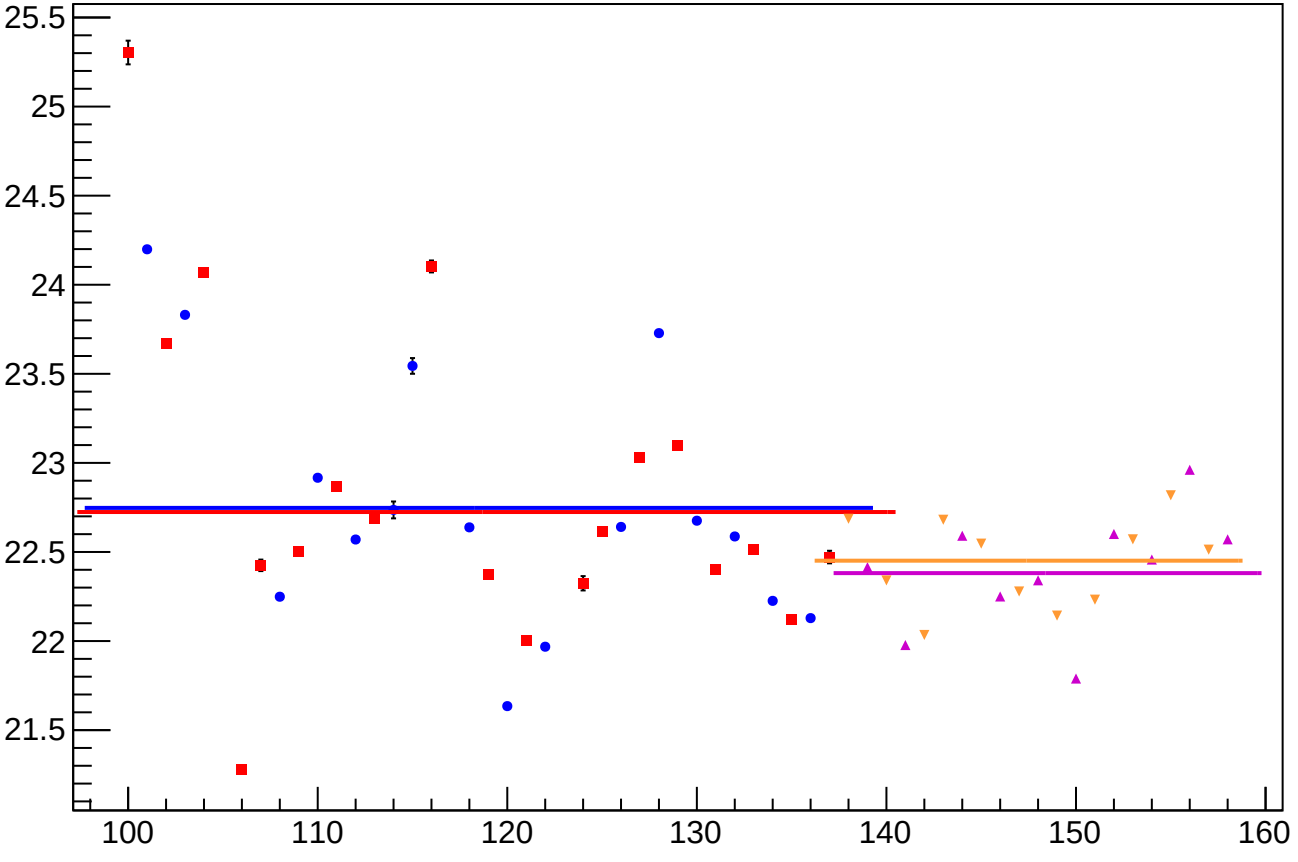
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 1.075+/-5.644 χ^2/NDF:29.8/25

Out: 23.258+/-5.610 χ^2/NDF:28.0/29

All: 12.232+/-3.979 χ^2/NDF: 65.6/55

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: 22.451+/-0.005 χ^2/NDF:1795.2/10

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.381+/-0.005 χ^2/NDF:3503.6/9

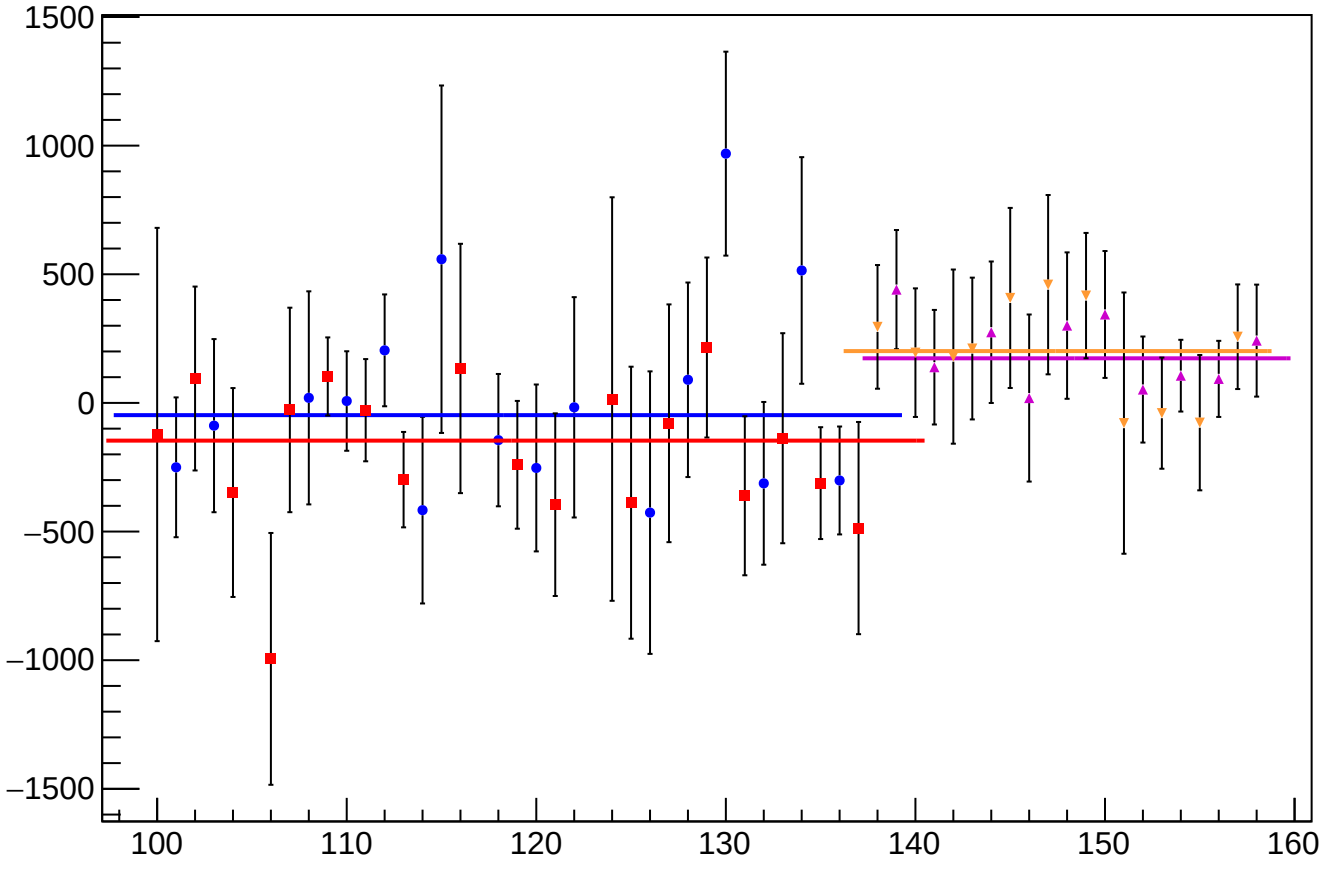
Left: 22.416+/-0.004 χ^2/NDF: 5383.1/20

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.544+/-0.004 χ^2/NDF:20206.1/25

Out: 22.576+/-0.004 χ^2/NDF:17462.5/29

All: 22.560+/-0.003 χ^2/NDF: 37700.2/55



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 201.412+/-80.999 χ^2/NDF:4.6/10

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 173.324+/-65.634 χ^2/NDF:3.4/9

Left: 184.457+/-50.994 χ^2/NDF: 8.0/20

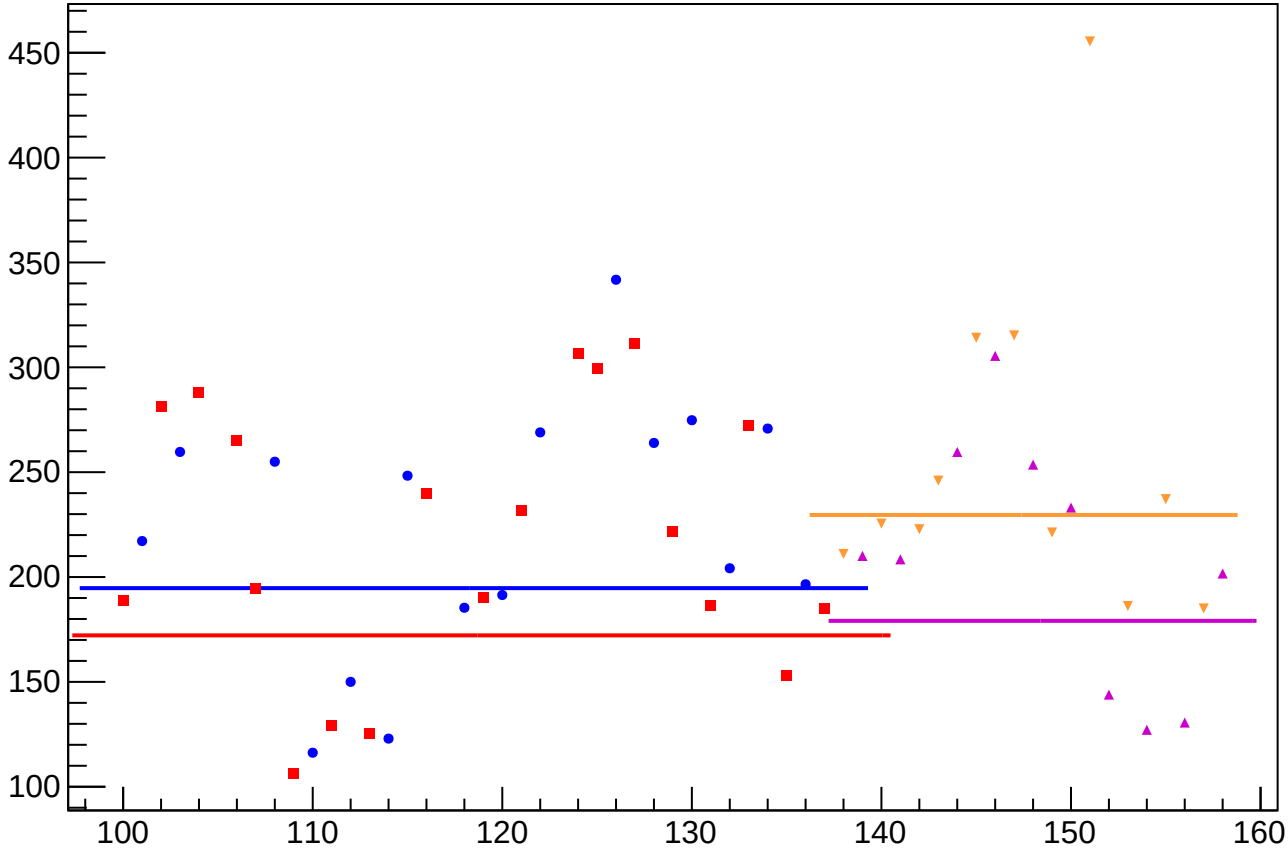
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 79.787+/-49.832 χ^2/NDF:23.6/25

Out: -1.724+/-52.258 χ^2/NDF:26.9/29

All: 40.968+/-36.064 χ^2/NDF: 51.8/55

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: 229.598+/-0.057 χ^2/NDF:834077.5/10

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 179.108+/-0.046 χ^2/NDF:1350367.1/9

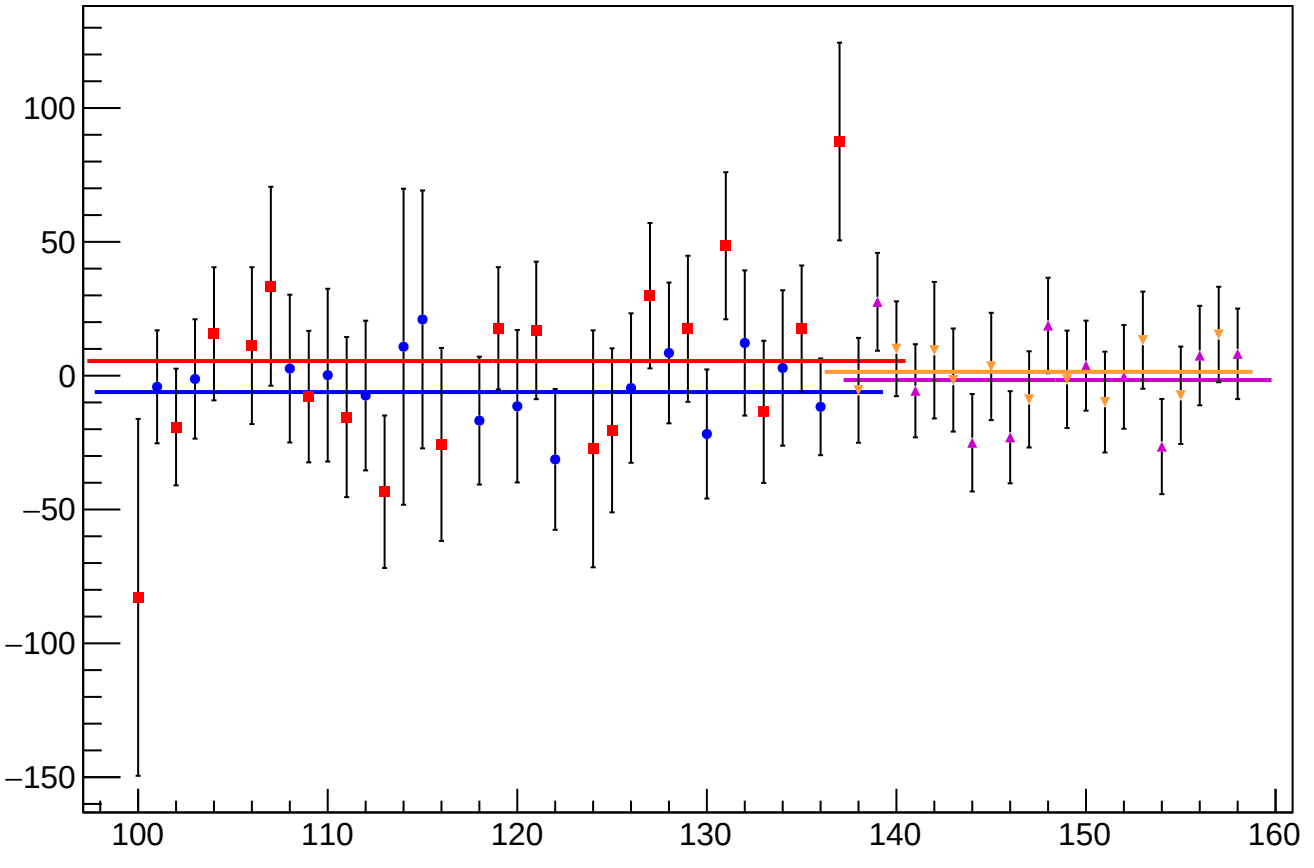
Left: 199.120+/-0.036 χ^2/NDF: 2653554.9/20

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 185.715+/-0.035 χ^2/NDF:2450511.3/25

Out: 196.084+/-0.037 χ^2/NDF:3091697.3/29

All: 190.653+/-0.026 χ^2/NDF: 5583447.3/55



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.431+/-5.712 χ^2/NDF:2.5/10

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -1.644+/-5.627 χ^2/NDF:9.7/9

Left: -0.130+/-4.009 χ^2/NDF: 12.4/20

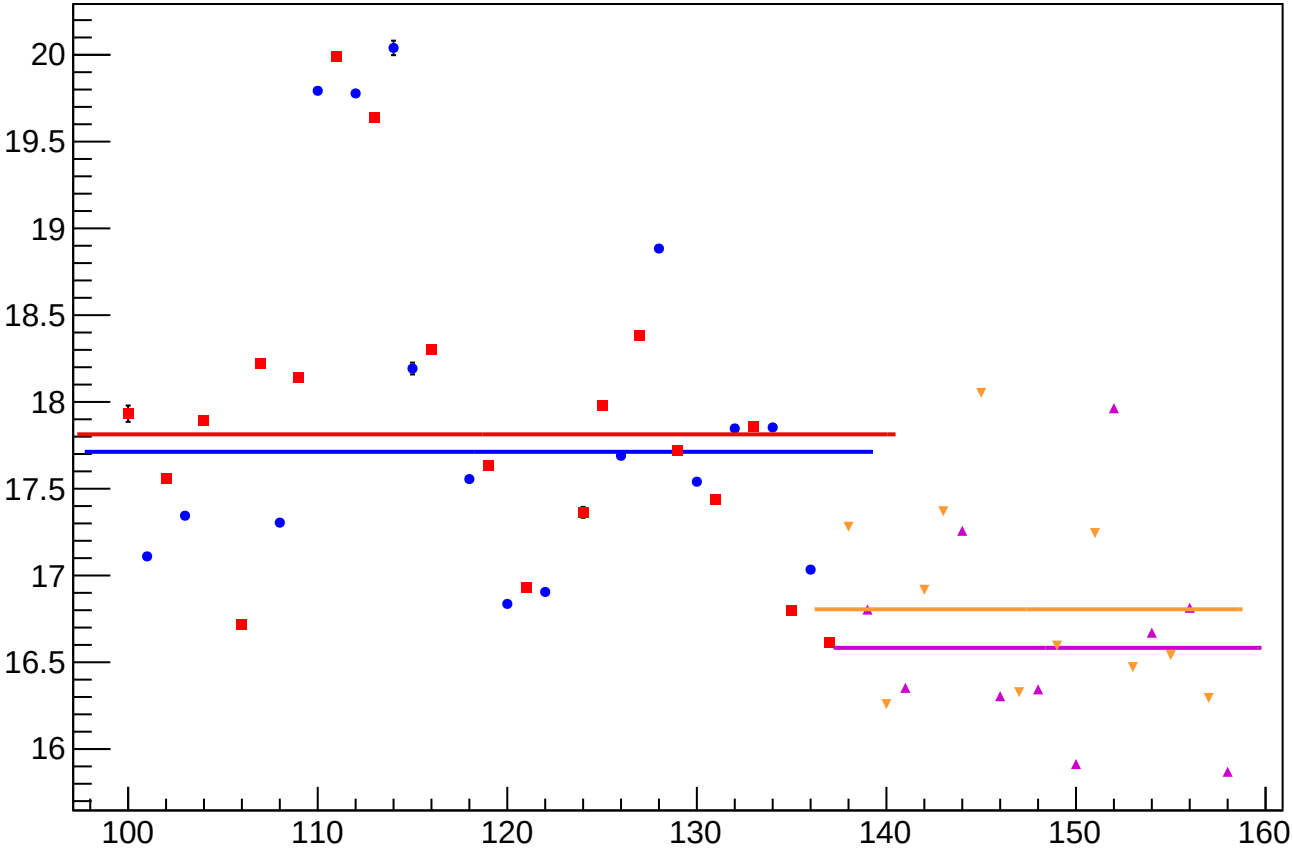
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -3.530+/-4.280 χ^2/NDF:13.1/25

Out: 3.188+/-4.293 χ^2/NDF:21.9/29

All: -0.182+/-3.031 χ^2/NDF: 36.2/55

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.805+/-0.004 χ^2/NDF:18080.5/10

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.583+/-0.004 χ^2/NDF:21523.1/9

Left: 16.693+/-0.003 χ^2/NDF: 41137.2/20

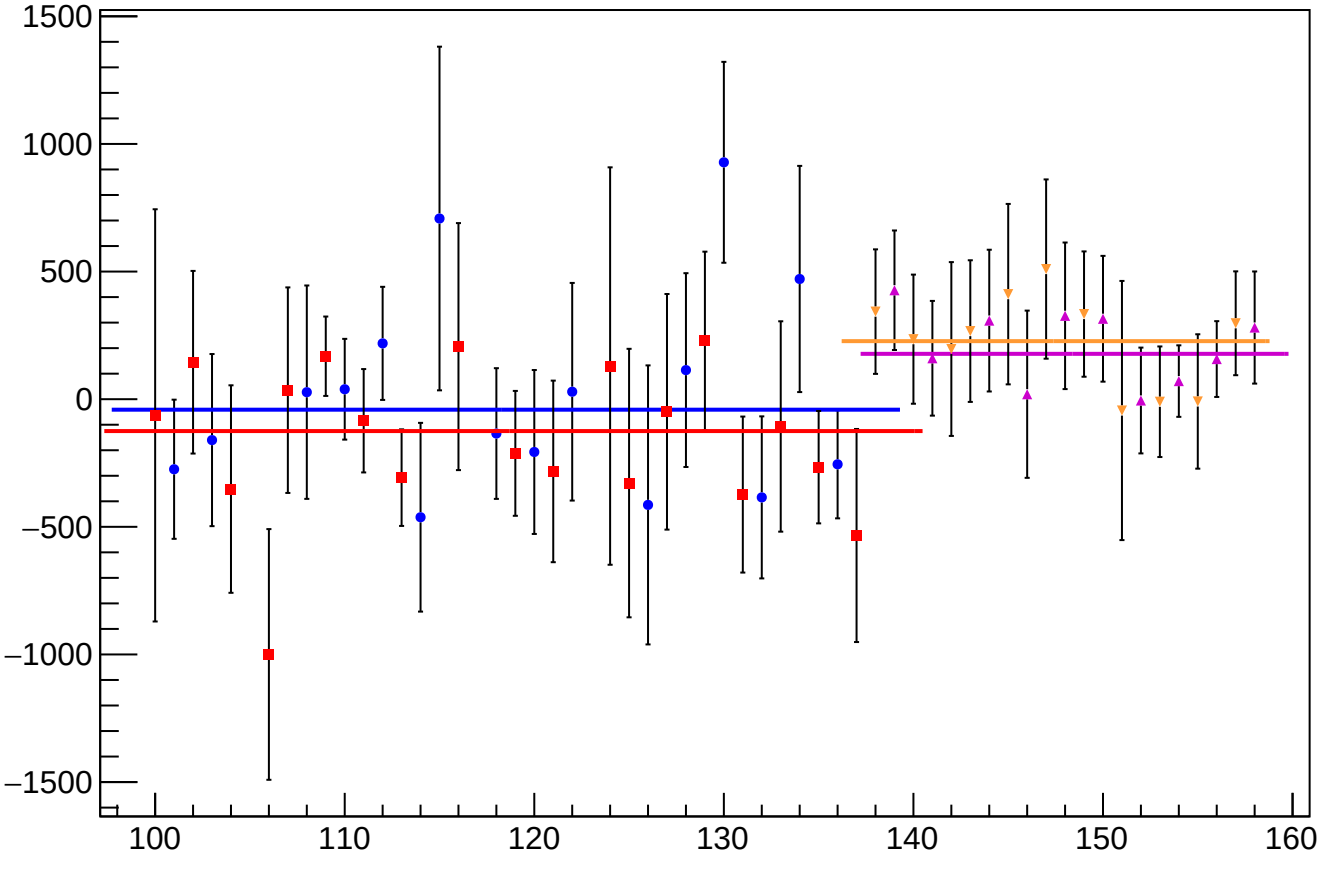
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.059+/-0.003 χ^2/NDF:91466.5/25

Out: 17.244+/-0.003 χ^2/NDF:77890.1/29

All: 17.151+/-0.002 χ^2/NDF: 171210.6/55

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 227.441+/-81.500 χ^2/NDF:3.8/10

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 177.698+/-66.045 χ^2/NDF:3.8/9

Left: 197.416+/-51.312 χ^2/NDF: 7.8/20

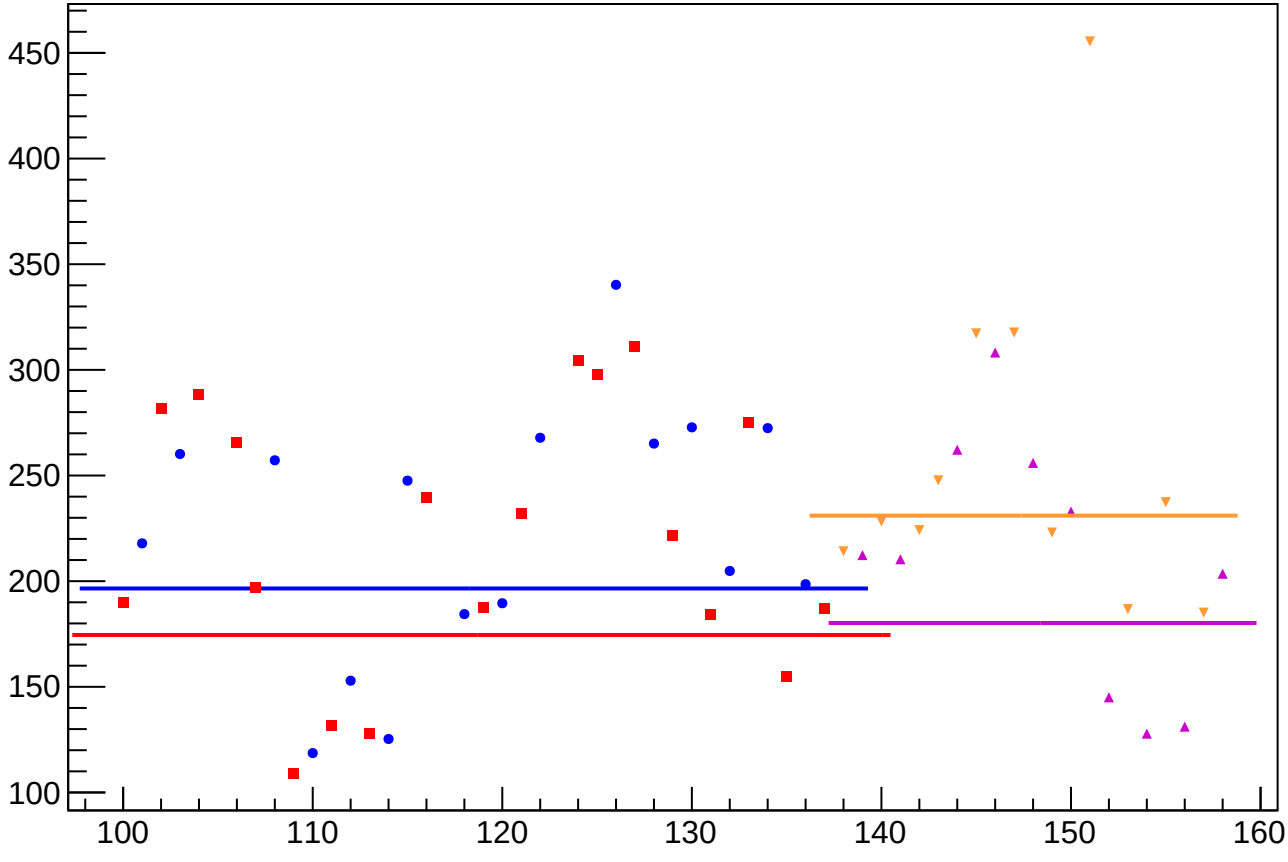
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 85.144+/-50.169 χ^2/NDF:24.0/25

Out: 22.492+/-52.710 χ^2/NDF:27.5/29

All: 55.364+/-36.340 χ^2/NDF: 52.3/55

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: 231.013+/-0.058 χ^2/NDF:838281.2/10

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 180.222+/-0.047 χ^2/NDF:1362091.9/9

Left: 200.355+/-0.036 χ^2/NDF: 2669239.6/20

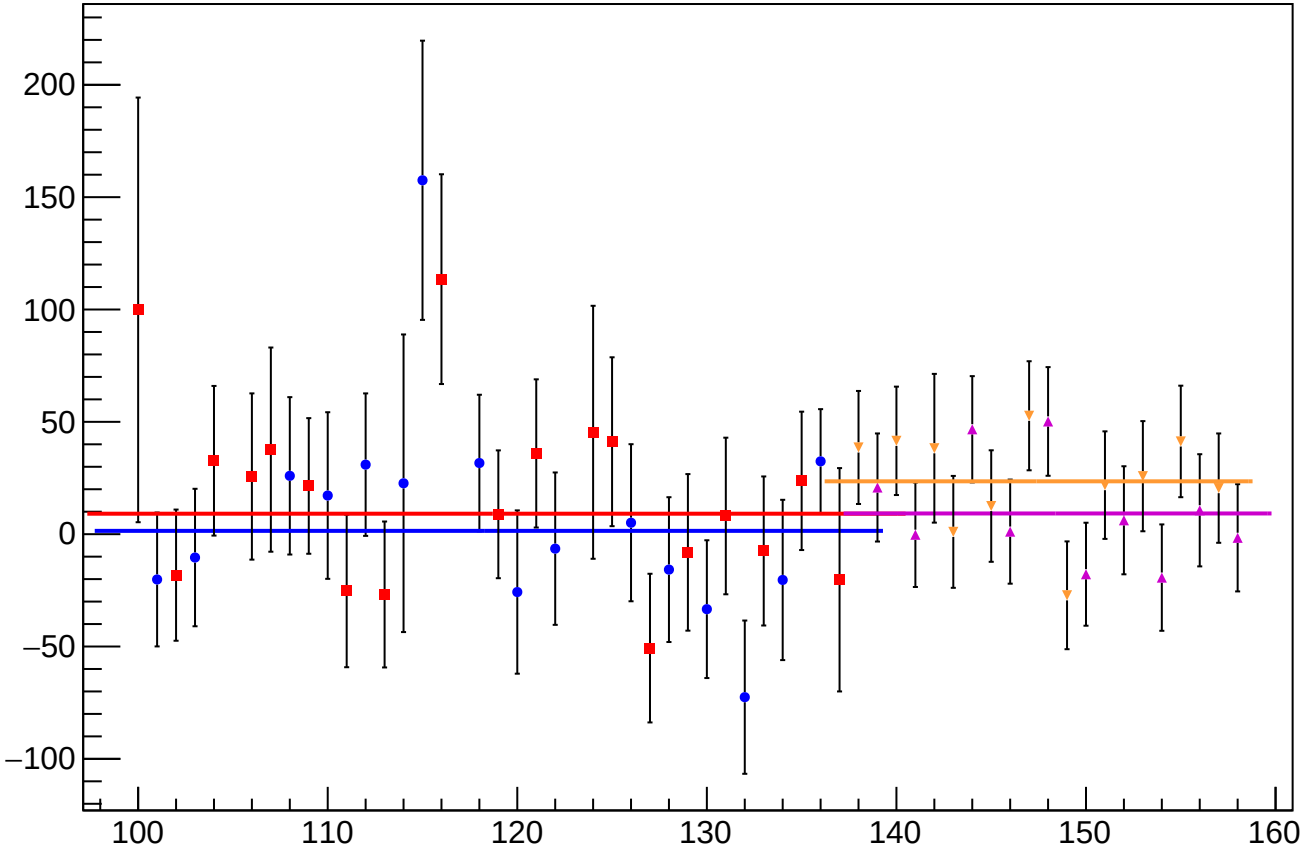
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 187.125+/-0.035 χ^2/NDF:2414521.0/25

Out: 198.161+/-0.037 χ^2/NDF:2985620.6/29

All: 192.371+/-0.026 χ^2/NDF: 5446145.6/55

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 23.528+/-7.537 χ^2/NDF:8.6/10

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 9.222+/-7.513 χ^2/NDF:9.0/9

Left: 16.352+/-5.321 χ^2/NDF: 19.4/20

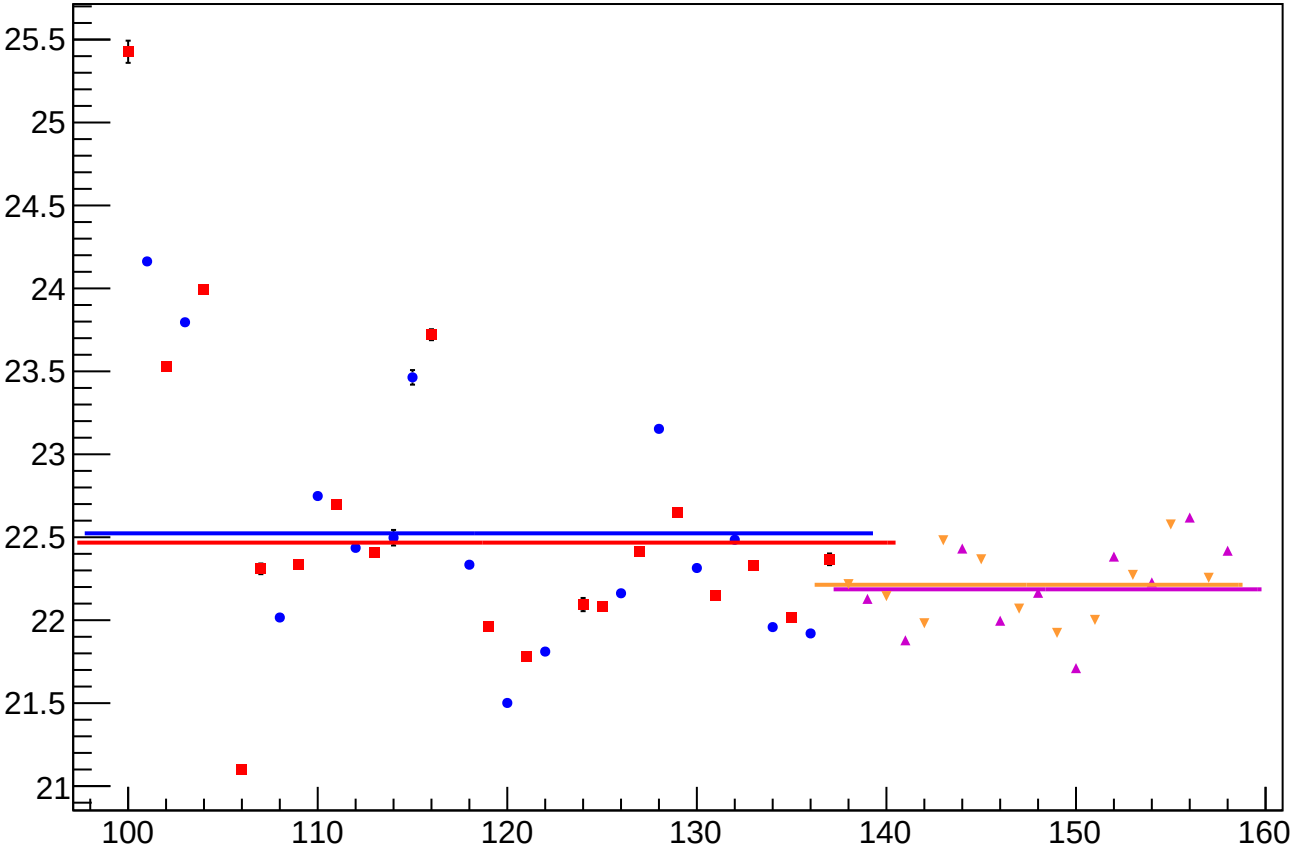
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.765+/-5.591 χ^2/NDF:28.1/25

Out: 16.925+/-5.548 χ^2/NDF:26.7/29

All: 11.388+/-3.938 χ^2/NDF: 56.8/55

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: 22.214+/-0.005 χ^2/NDF:1388.4/10

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.186+/-0.005 χ^2/NDF:2502.2/9

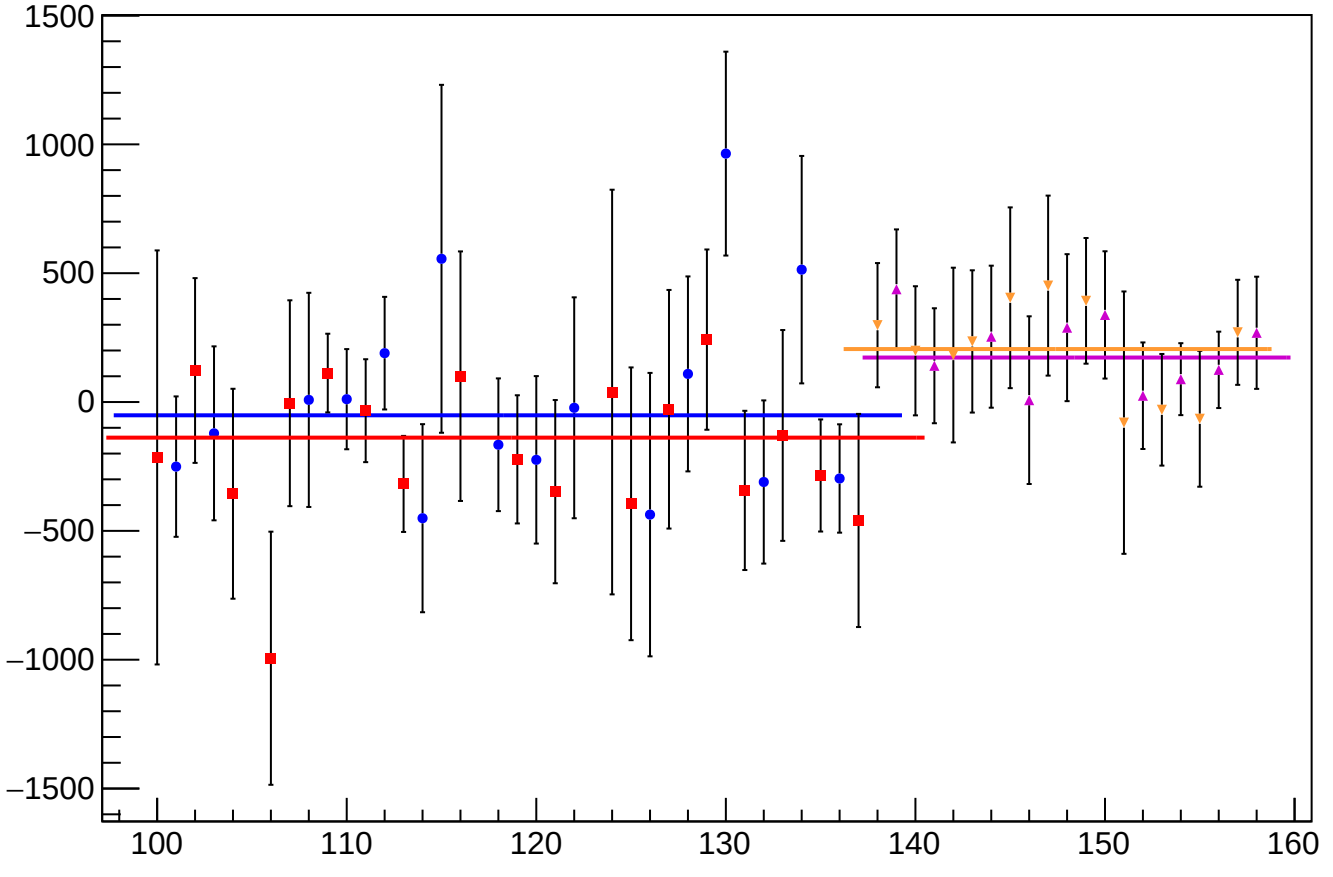
Left: 22.200+/-0.004 χ^2/NDF: 3904.0/20

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.337+/-0.004 χ^2/NDF:20250.9/25

Out: 22.330+/-0.004 χ^2/NDF:18055.9/29

All: 22.333+/-0.003 χ^2/NDF: 38308.3/55



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 205.600+/-81.186 χ^2/NDF:4.2/10

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 172.680+/-65.759 χ^2/NDF:3.5/9

Left: 185.722+/-51.099 χ^2/NDF: 7.8/20

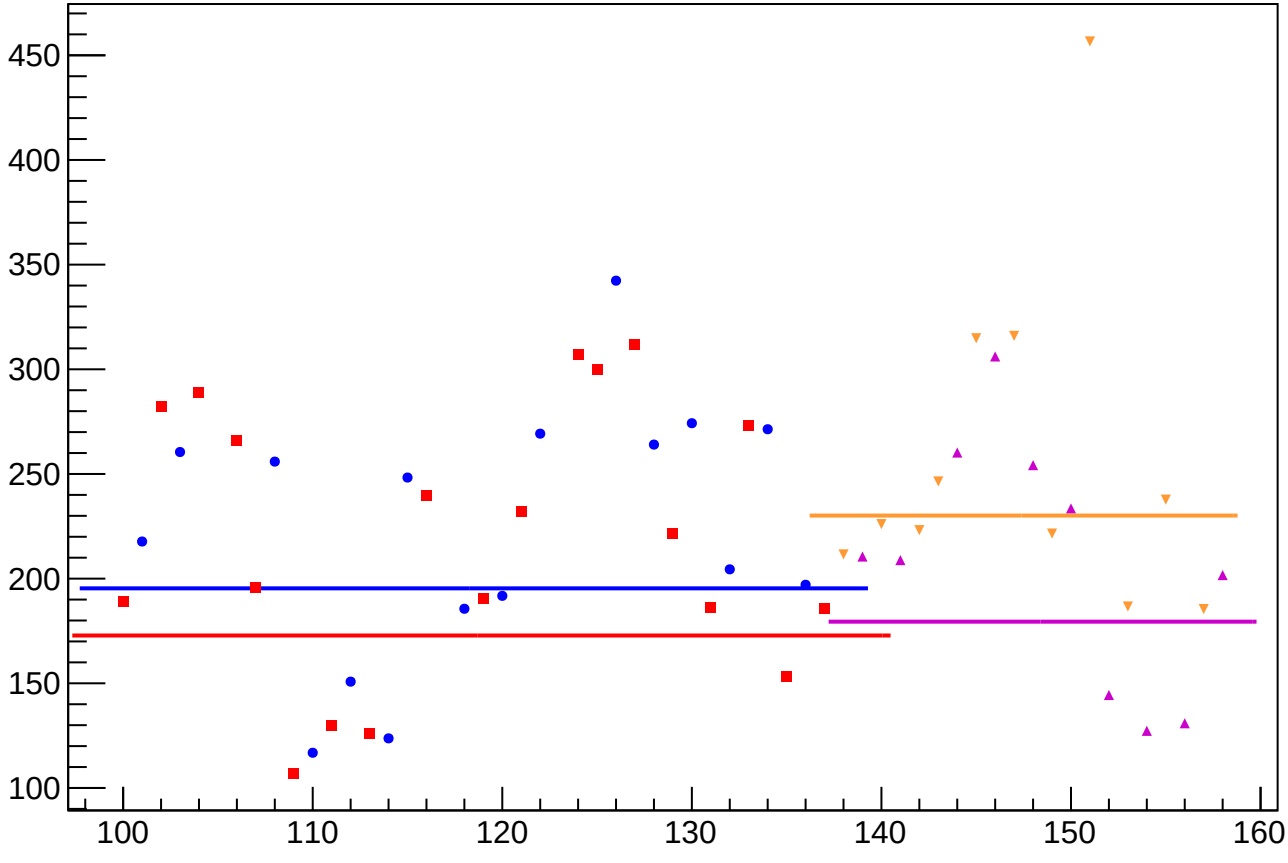
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 77.850+/-49.950 χ^2/NDF:23.7/25

Out: 5.083+/-52.410 χ^2/NDF:26.3/29

All: 43.214+/-36.158 χ^2/NDF: 51.0/55

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 230.131+/-0.057 χ^2/NDF:833963.8/10

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 179.444+/-0.046 χ^2/NDF:1350801.4/9

Left: 199.524+/-0.036 χ^2/NDF: 2655504.9/20

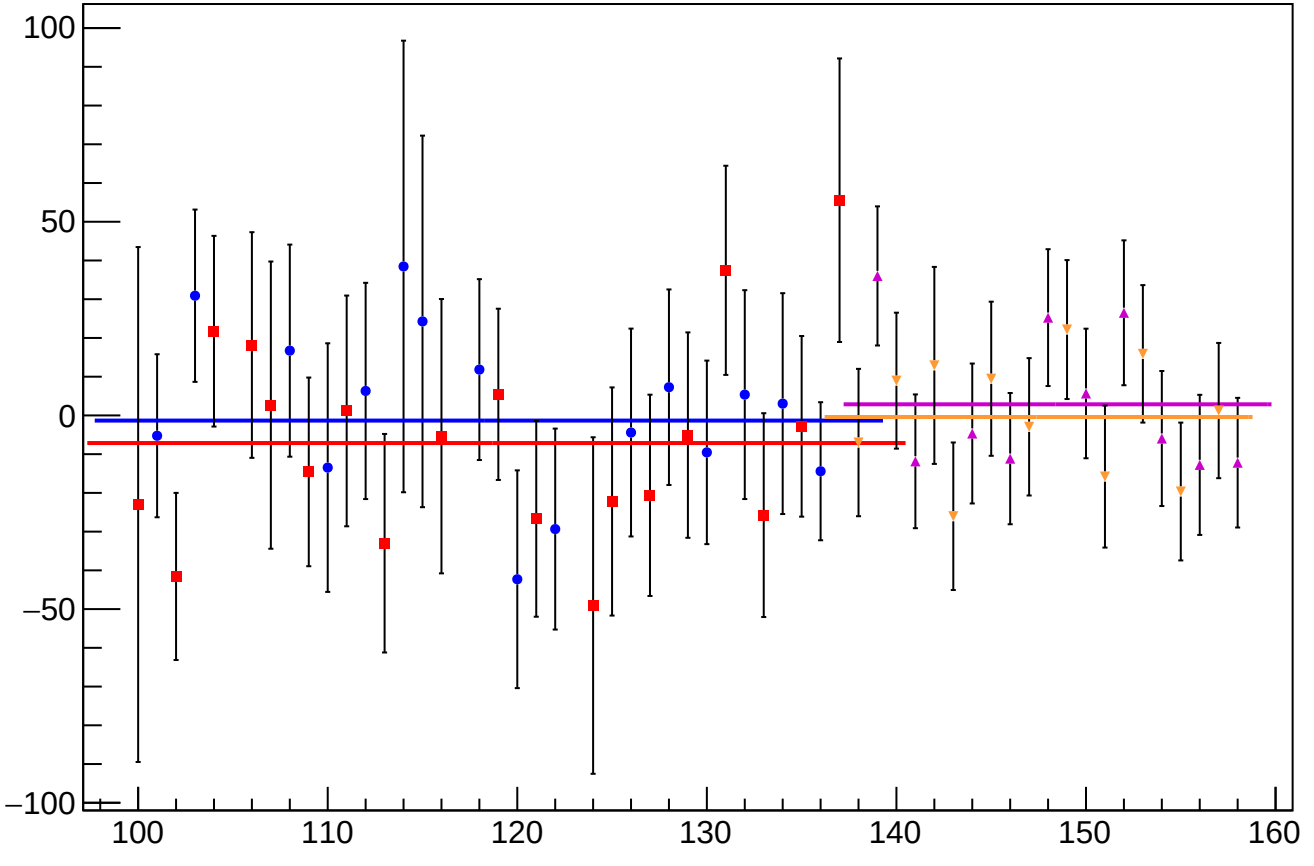
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 186.177+/-0.035 χ^2/NDF:2441802.2/25

Out: 196.713+/-0.037 χ^2/NDF:3074356.5/29

All: 191.192+/-0.026 χ^2/NDF: 5558515.3/55

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.408+/-5.615 χ^2/NDF:7.1/10

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 2.870+/-5.542 χ^2/NDF:10.0/9

Left: 1.253+/-3.944 χ^2/NDF: 17.3/20

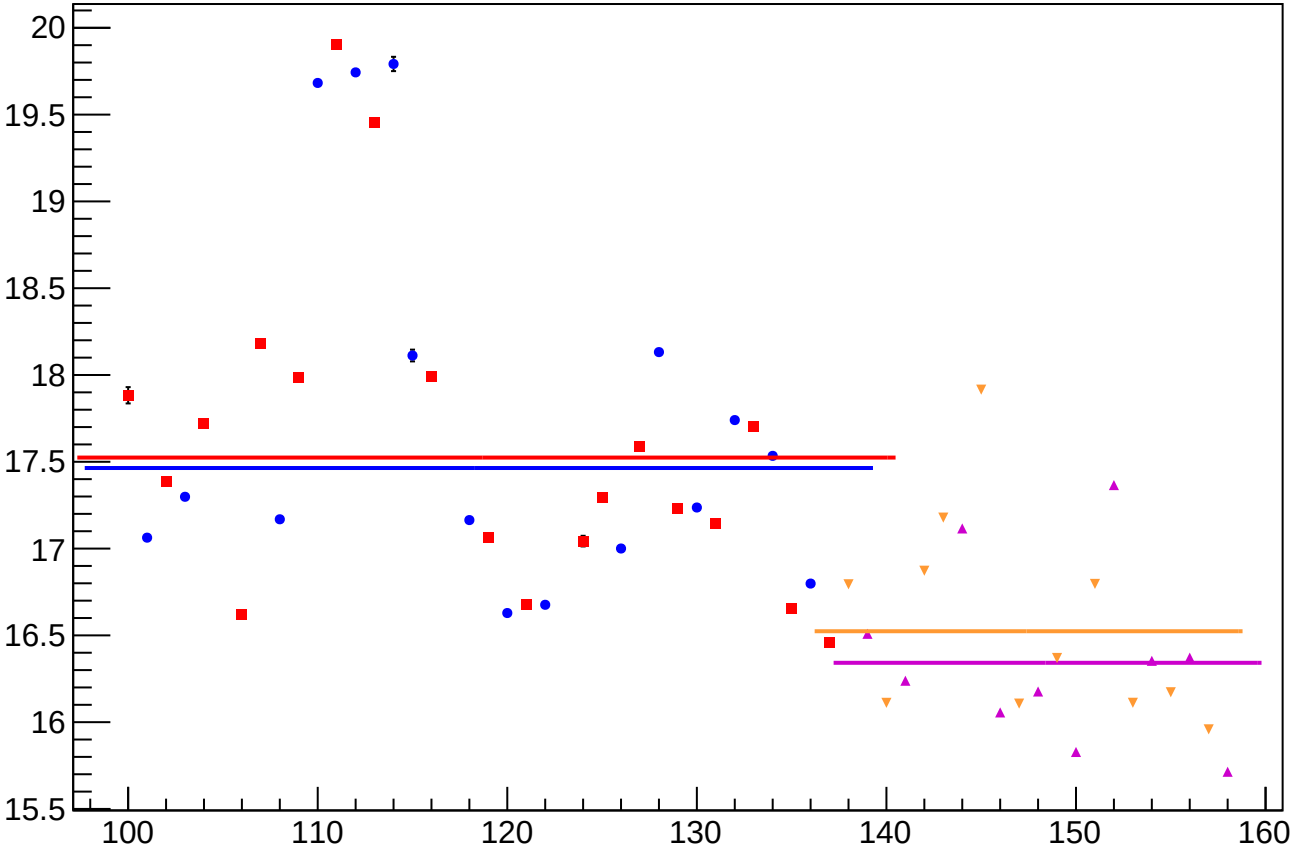
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 1.101+/-4.217 χ^2/NDF:18.3/25

Out: -3.329+/-4.221 χ^2/NDF:22.1/29

All: -1.111+/-2.983 χ^2/NDF: 40.9/55

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: 16.524+/-0.004 χ^2/NDF:19685.7/10

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.342+/-0.004 χ^2/NDF:15358.8/9

Left: 16.432+/-0.003 χ^2/NDF: 36106.9/20

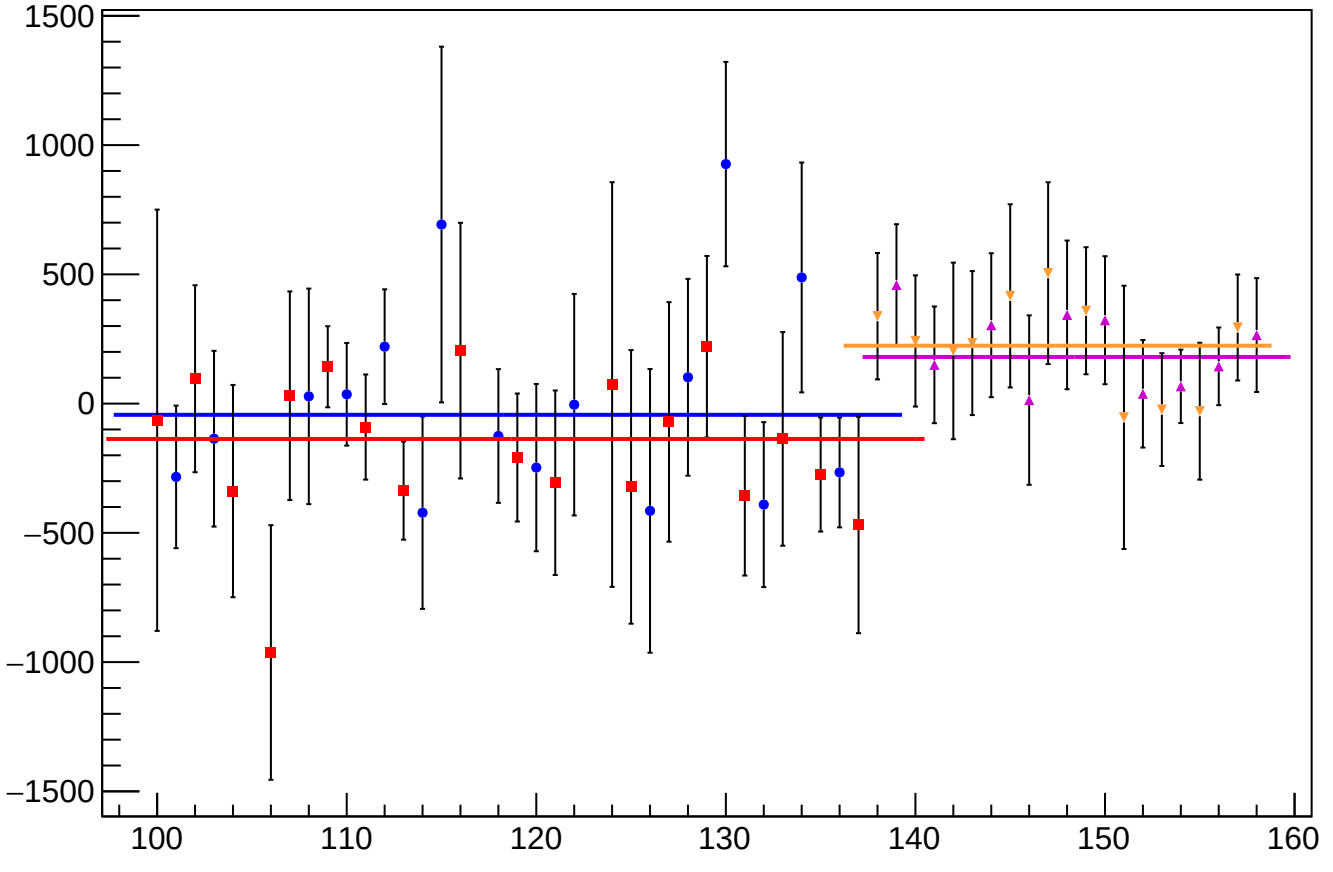
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.814+/-0.003 χ^2/NDF:86535.1/25

Out: 16.959+/-0.003 χ^2/NDF:82020.4/29

All: 16.887+/-0.002 χ^2/NDF: 169725.7/55

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 223.976+/-81.858 χ^2/NDF:4.1/10

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 180.387+/-66.540 χ^2/NDF:3.8/9

Left: 197.729+/-51.633 χ^2/NDF: 8.1/20

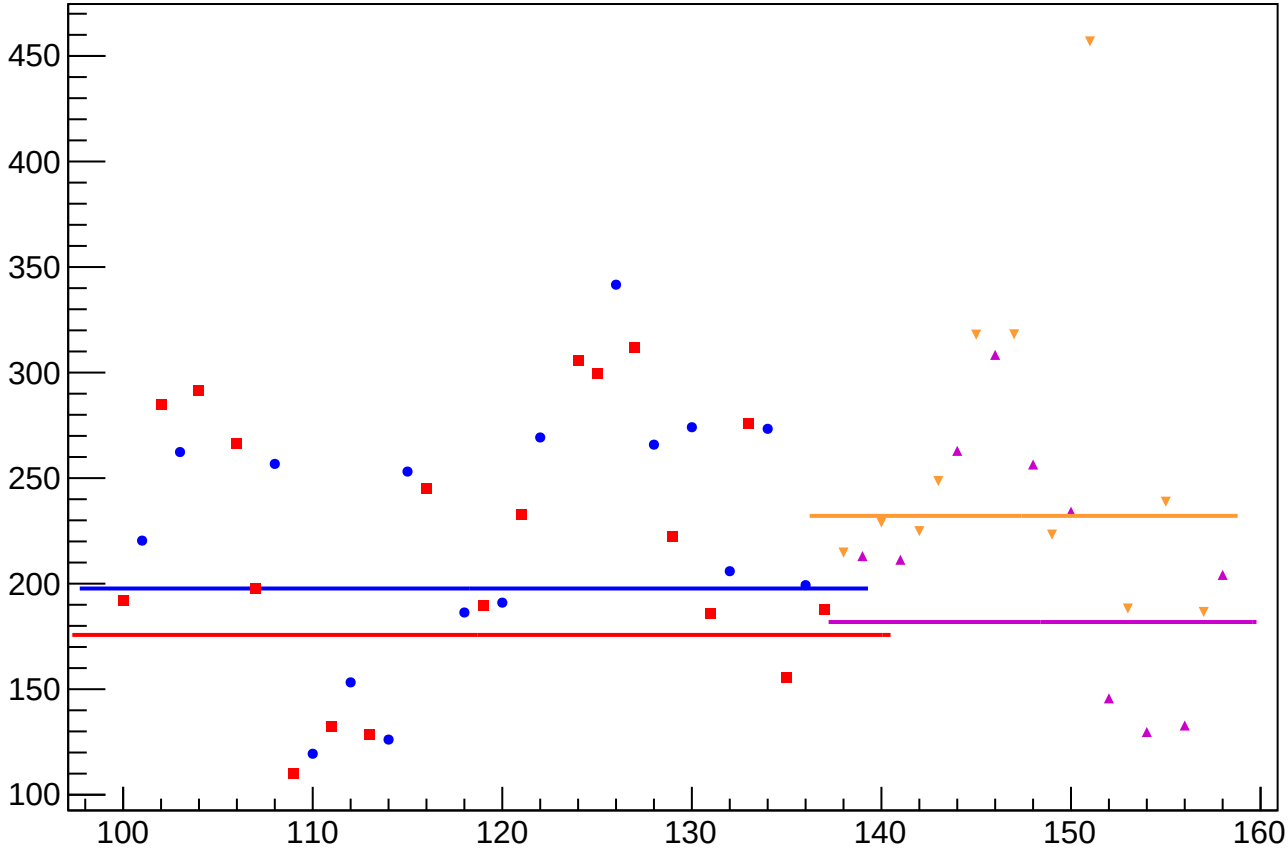
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 85.549+/-50.508 χ^2/NDF:24.1/25

Out: 14.482+/-53.005 χ^2/NDF:26.9/29

All: 51.729+/-36.566 χ^2/NDF: 51.9/55

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: 232.118+/-0.058 χ^2/NDF:828584.4/10

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 181.829+/-0.047 χ^2/NDF:1323666.0/9

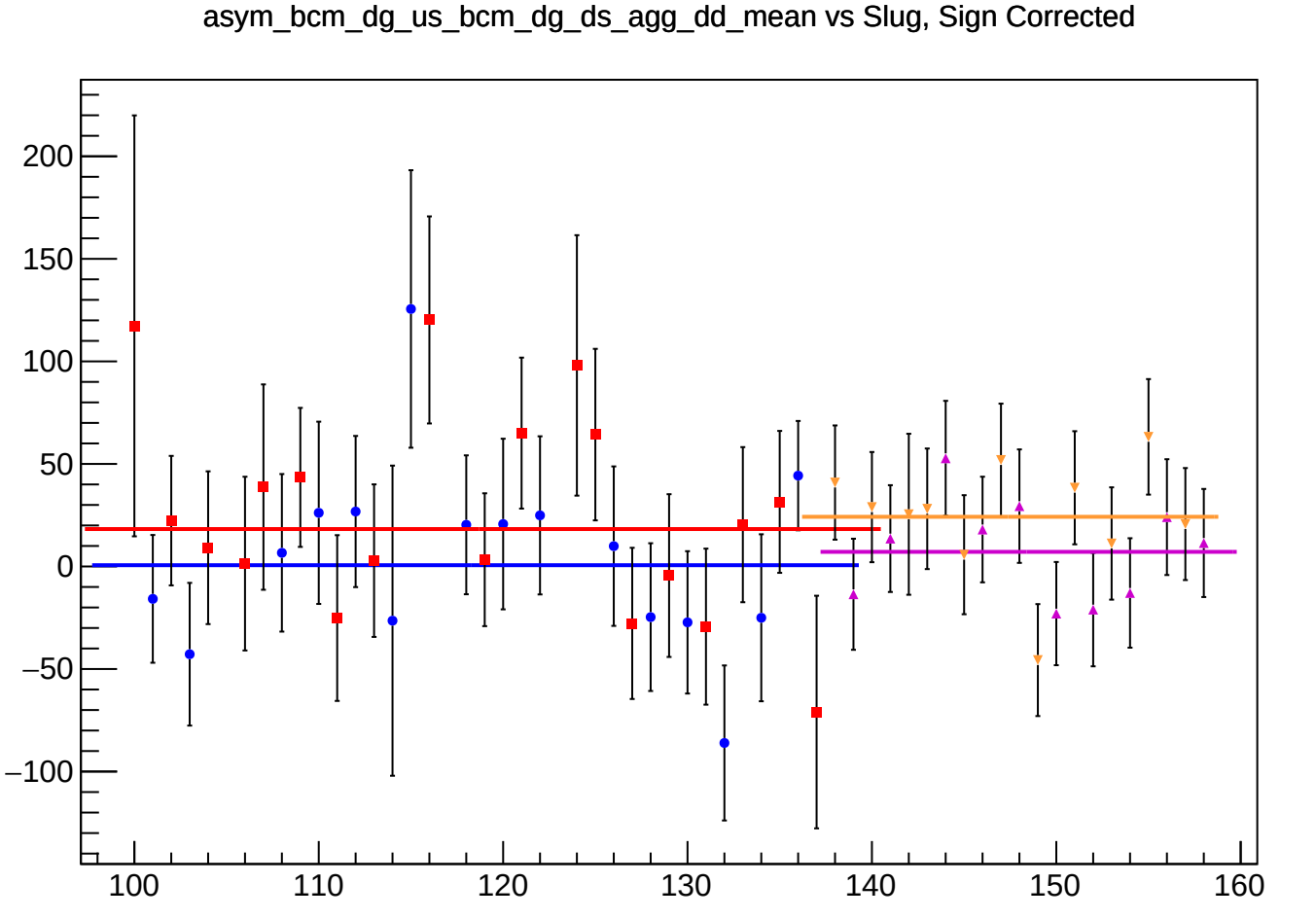
Left: 201.837+/-0.037 χ^2/NDF: 2606760.8/20

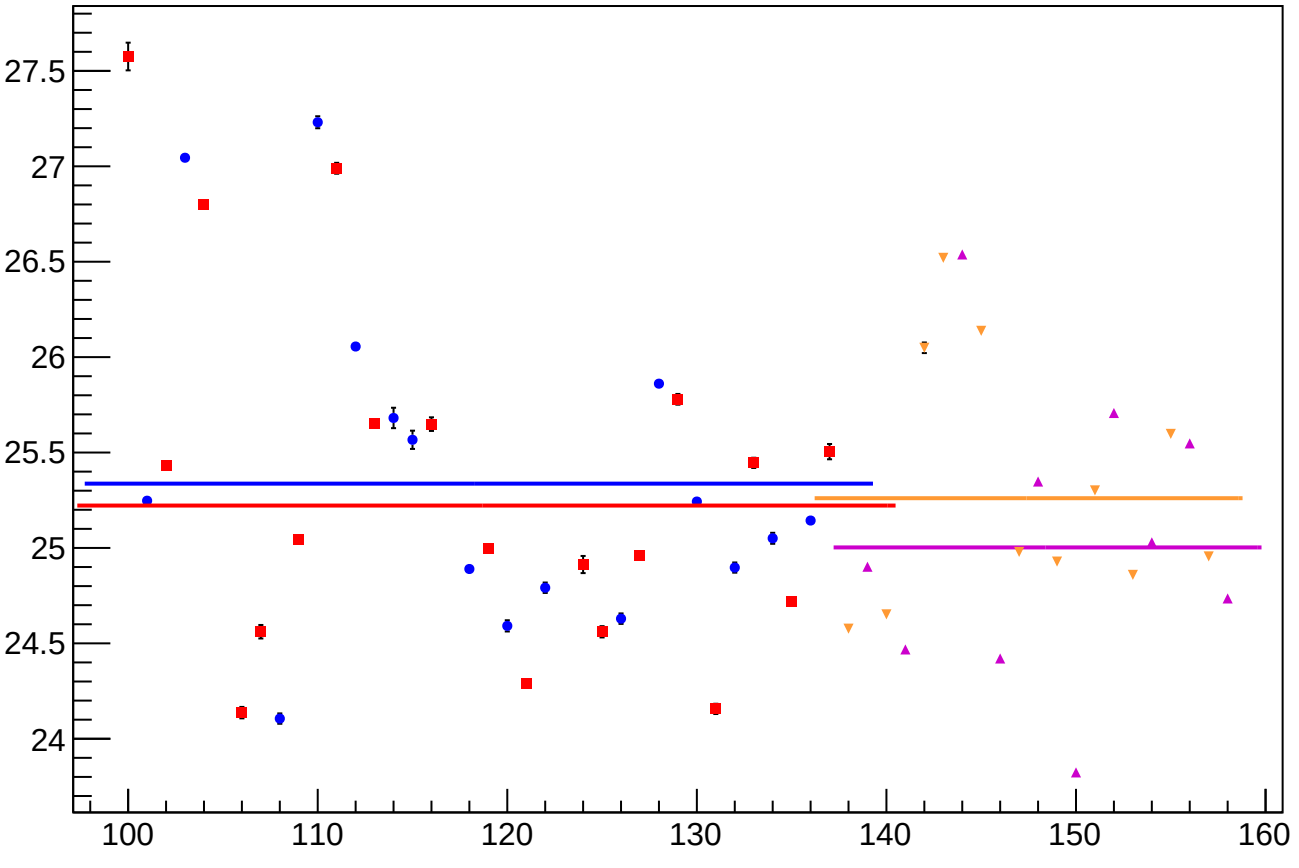
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 188.559+/-0.036 χ^2/NDF:2372256.0/25

Out: 199.365+/-0.037 χ^2/NDF:2970539.3/29

All: 193.701+/-0.026 χ^2/NDF: 5386359.9/55


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 24.220+/-8.580 χ²/NDF:10.8/10
Right Out: 18.248+/-9.208 χ²/NDF: 18.0/18
Left In: 7.128+/-8.478 χ²/NDF:7.5/9
Left: 15.572+/-6.030 χ²/NDF: 20.4/20
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 4.216+/-6.302 χ²/NDF:24.5/25
Out: 21.445+/-6.277 χ²/NDF:29.0/29
All: 12.864+/-4.447 χ²/NDF: 57.3/55



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.261+/-0.006 χ^2/NDF:10015.8/10

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.003+/-0.006 χ^2/NDF:14855.9/9

Left: 25.130+/-0.004 χ^2/NDF: 25786.5/20

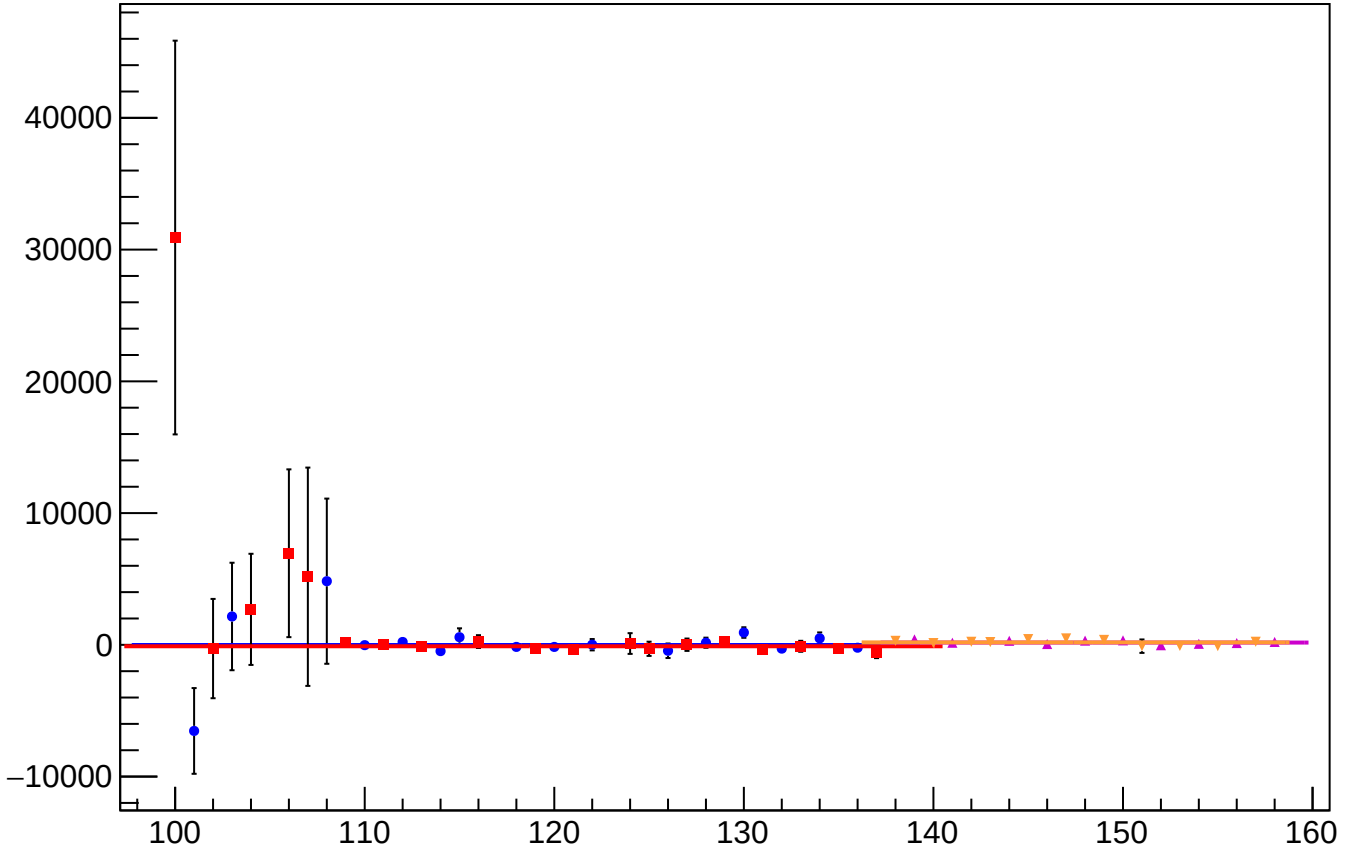
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.152+/-0.004 χ^2/NDF:30562.3/25

Out: 25.243+/-0.004 χ^2/NDF:25259.0/29

All: 25.198+/-0.003 χ^2/NDF: 56028.3/55

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: 184.391+/-83.727 χ^2/NDF:4.9/10

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 172.098+/-67.960 χ^2/NDF:3.5/9

Left: 176.980+/-52.766 χ^2/NDF: 8.4/20

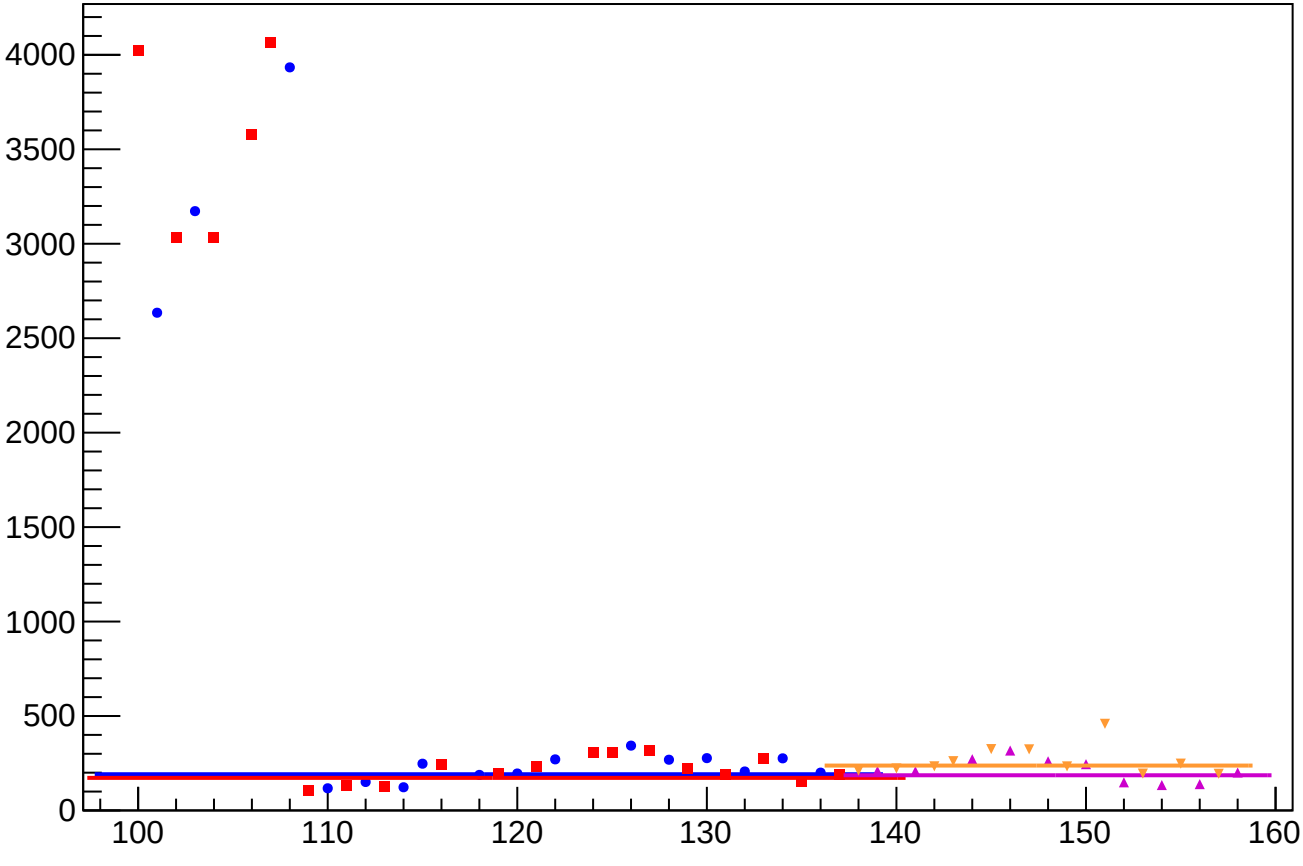
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 98.645+/-53.007 χ^2/NDF:24.8/25

Out: 27.597+/-57.110 χ^2/NDF:25.5/29

All: 65.765+/-38.851 χ^2/NDF: 51.1/55

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: 237.639+/-0.059 χ^2/NDF:808800.5/10

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.296+/-0.048 χ^2/NDF:1240757.5/9

Left: 206.688+/-0.037 χ^2/NDF: 2502942.5/20

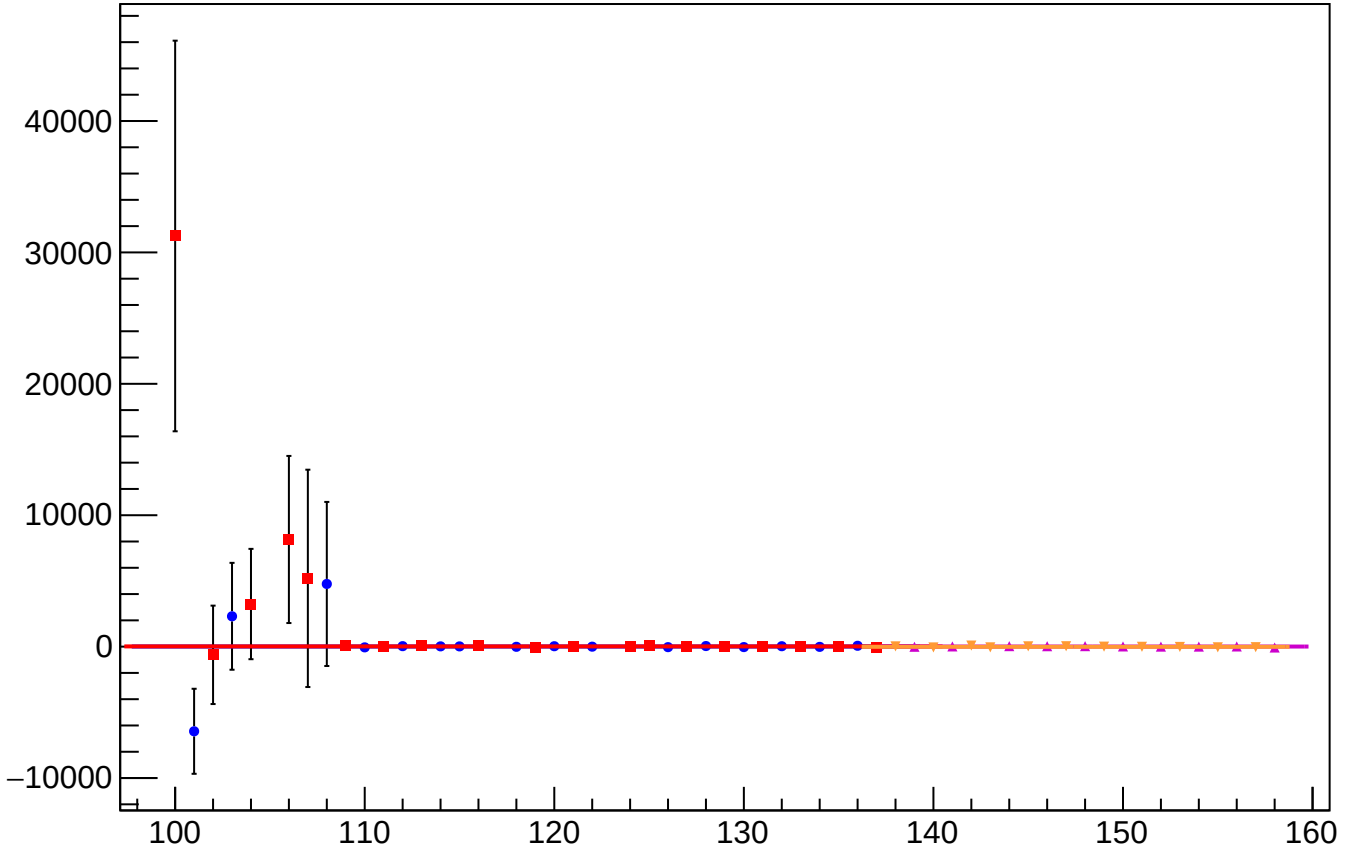
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 188.426+/-0.037 χ^2/NDF:5067580.2/25

Out: 202.787+/-0.040 χ^2/NDF:5760013.4/29

All: 195.072+/-0.027 χ^2/NDF: 10895527.2/55

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: -12.134+/-10.100 χ^2/NDF:14.2/10

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 6.714+/-9.996 χ^2/NDF:9.8/9

Left: -2.612+/-7.105 χ^2/NDF: 25.7/20

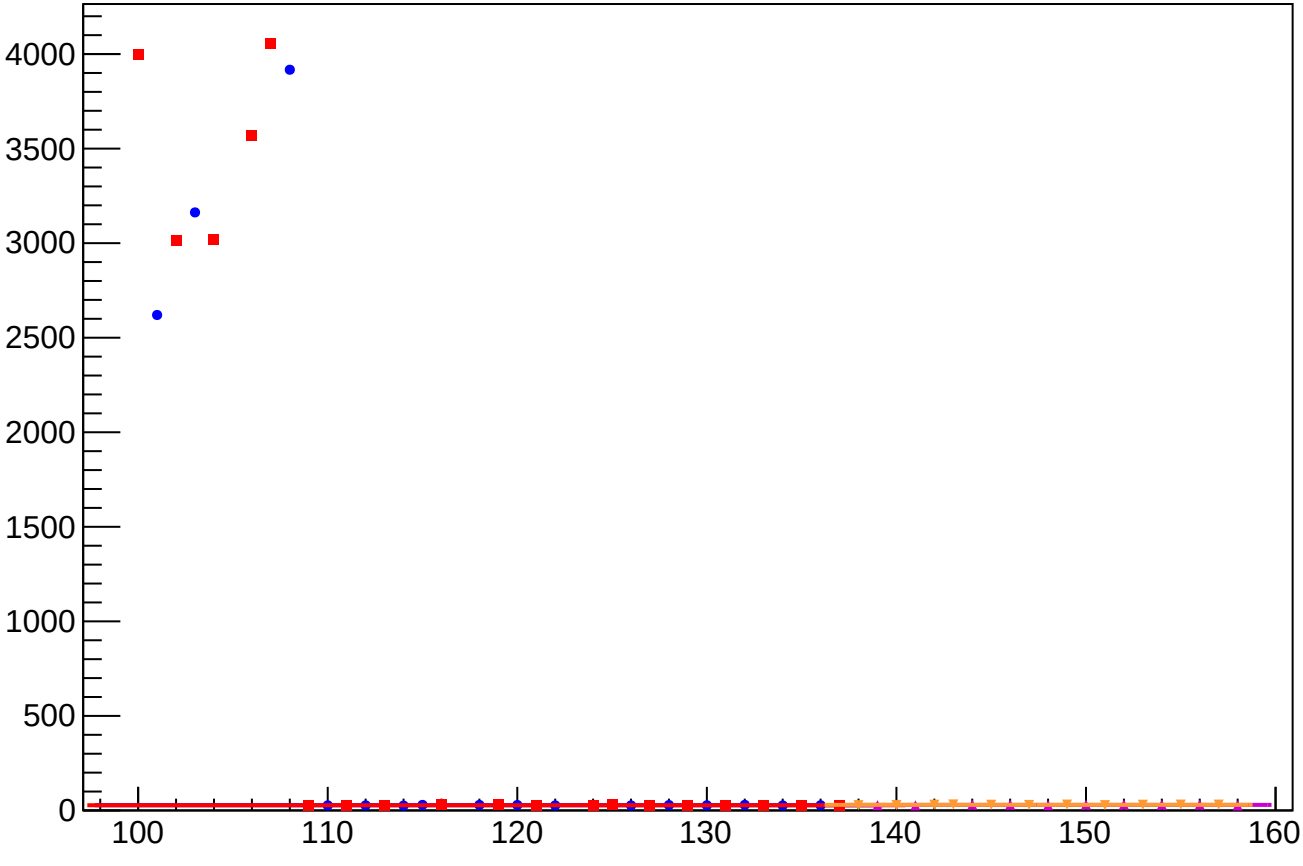
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 7.924+/-7.596 χ^2/NDF:25.8/25

Out: 0.646+/-7.675 χ^2/NDF:42.7/29

All: 4.323+/-5.399 χ^2/NDF: 69.0/55

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 29.674+/-0.007 χ^2/NDF:32833.0/10

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.392+/-0.007 χ^2/NDF:65275.3/9

Left: 29.532+/-0.005 χ^2/NDF: 98899.2/20

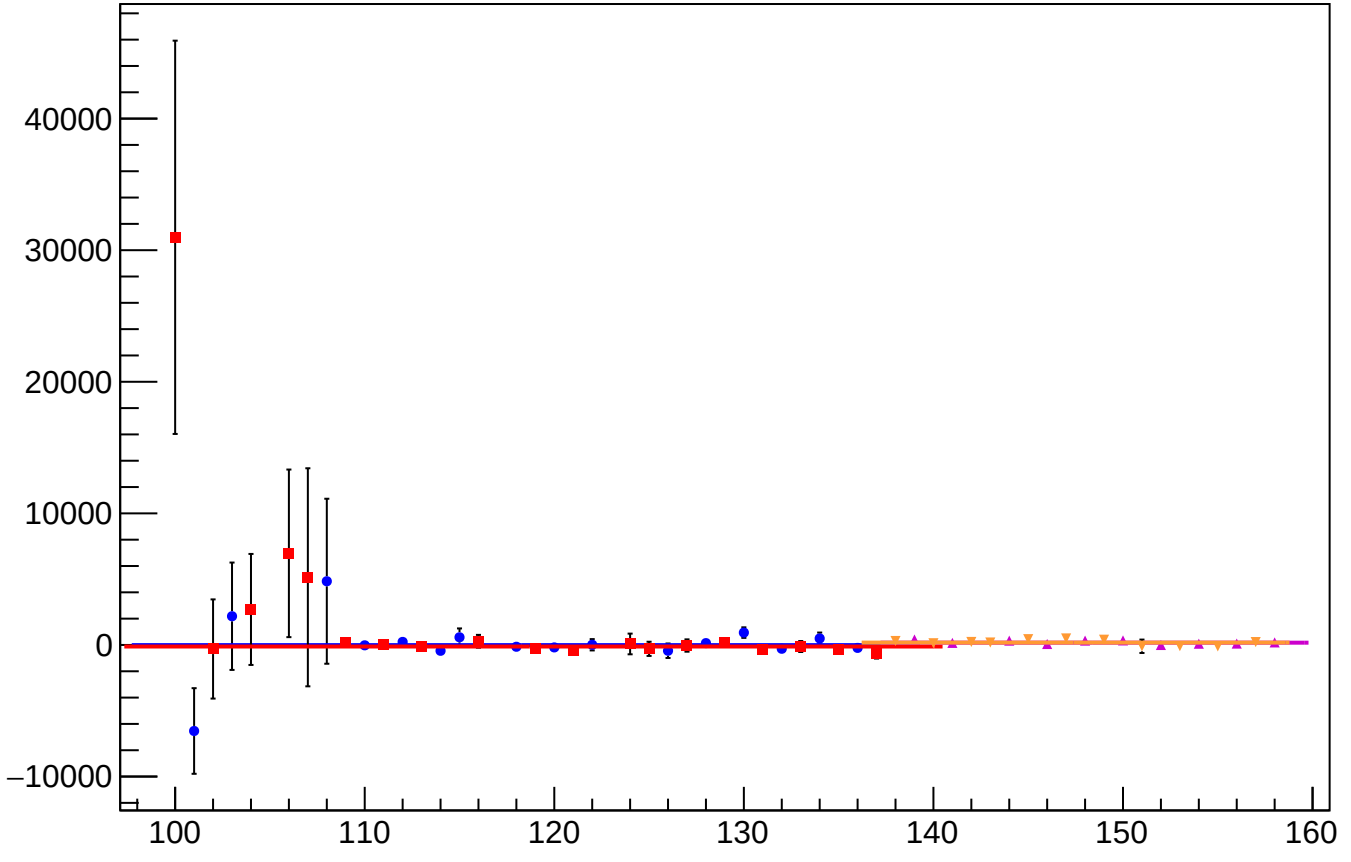
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.652+/-0.005 χ^2/NDF:3356683.2/25

Out: 28.770+/-0.005 χ^2/NDF:3625999.7/29

All: 28.711+/-0.004 χ^2/NDF: 6982920.8/55

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: 180.012+/-83.539 χ^2/NDF:5.3/10

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 172.840+/-67.835 χ^2/NDF:3.4/9

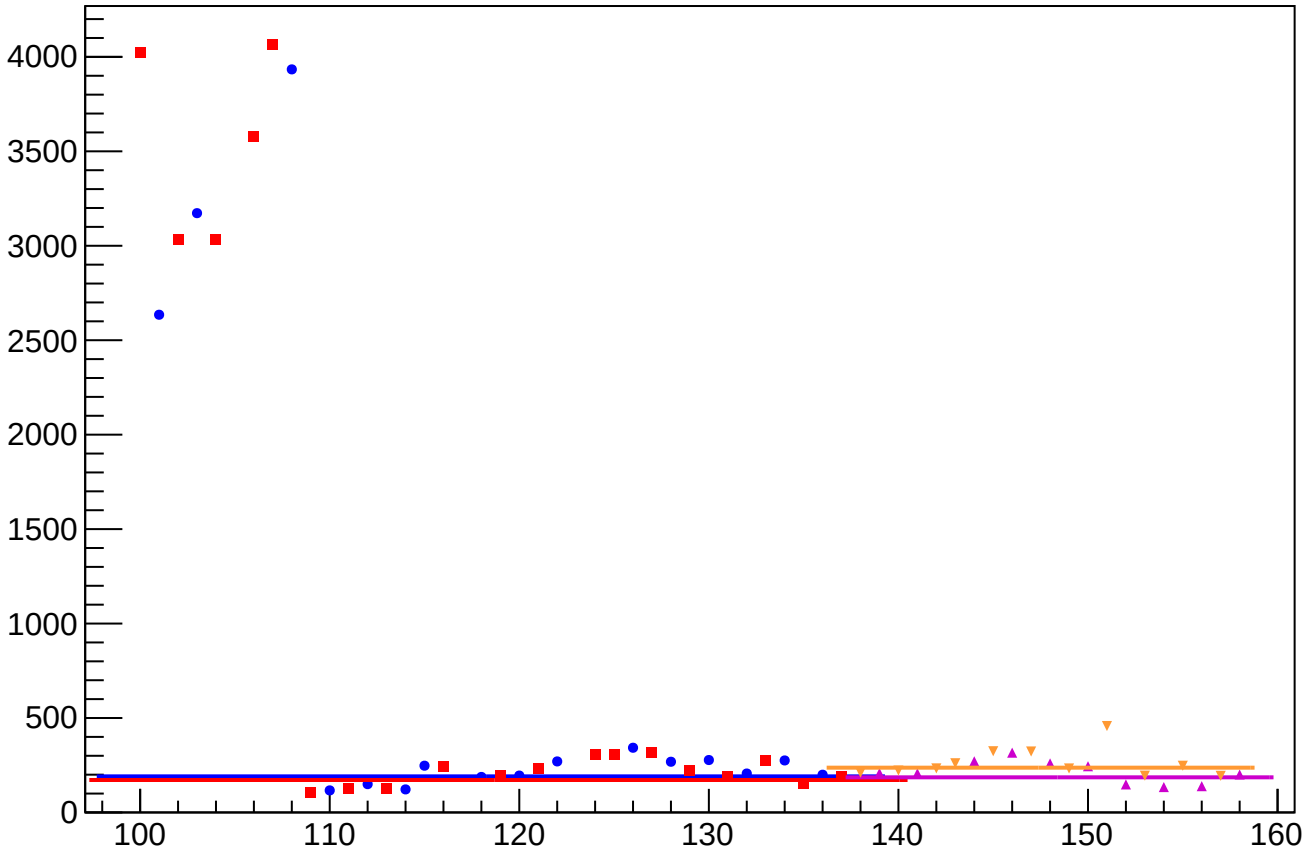
Left: 175.690+/-52.660 χ^2/NDF: 8.7/20

Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 99.899+/-52.887 χ^2/NDF:24.7/25

Out: 20.504+/-56.958 χ^2/NDF:26.5/29

All: 63.140+/-38.756 χ^2/NDF: 52.3/55



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 237.105+/-0.059 χ^2/NDF:808996.1/10

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 185.958+/-0.048 χ^2/NDF:1240257.4/9

Left: 206.282+/-0.037 χ^2/NDF: 2501059.6/20

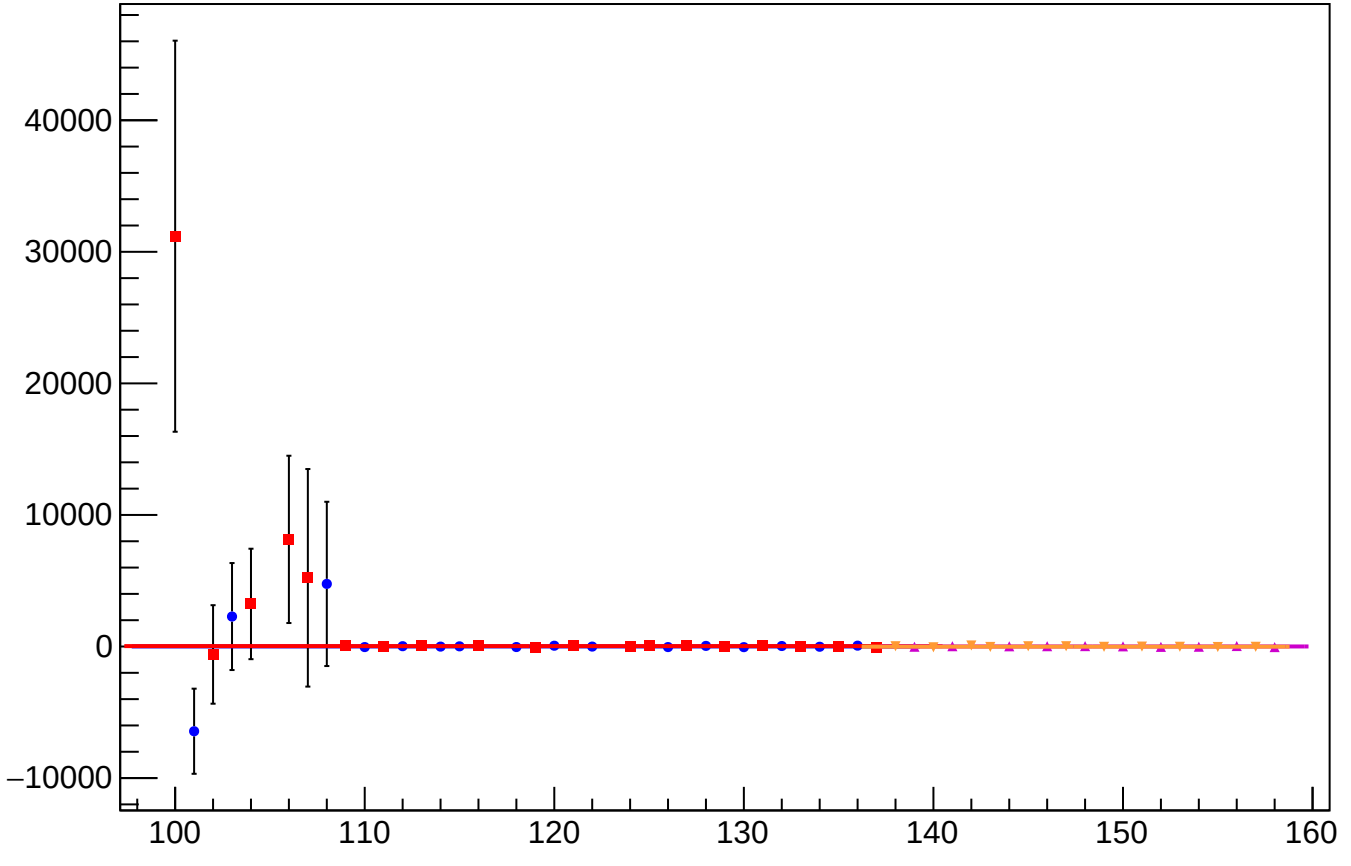
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 187.963+/-0.037 χ^2/NDF:5078663.6/25

Out: 202.177+/-0.040 χ^2/NDF:5777054.3/29

All: 194.544+/-0.027 χ^2/NDF: 10922609.9/55

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.685+/-10.178 χ^2/NDF:10.2/10

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 3.734+/-10.054 χ^2/NDF:7.1/9

Left: -2.893+/-7.153 χ^2/NDF: 18.2/20

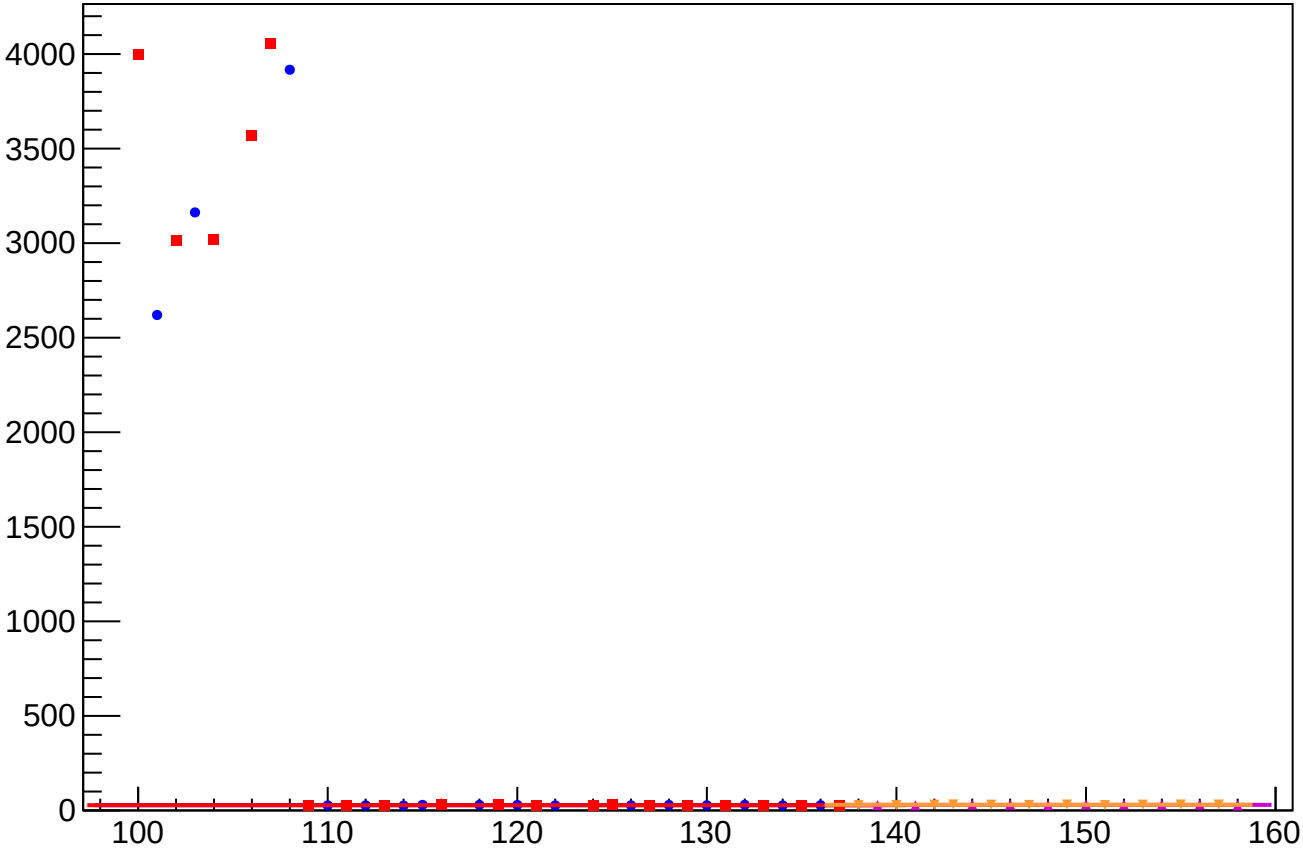
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 4.897+/-7.643 χ^2/NDF:25.5/25

Out: 7.486+/-7.735 χ^2/NDF:36.8/29

All: 6.176+/-5.437 χ^2/NDF: 62.4/55

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.899+/-0.007 χ^2/NDF:35843.3/10

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.565+/-0.007 χ^2/NDF:67463.7/9

Left: 29.730+/-0.005 χ^2/NDF: 104394.6/20

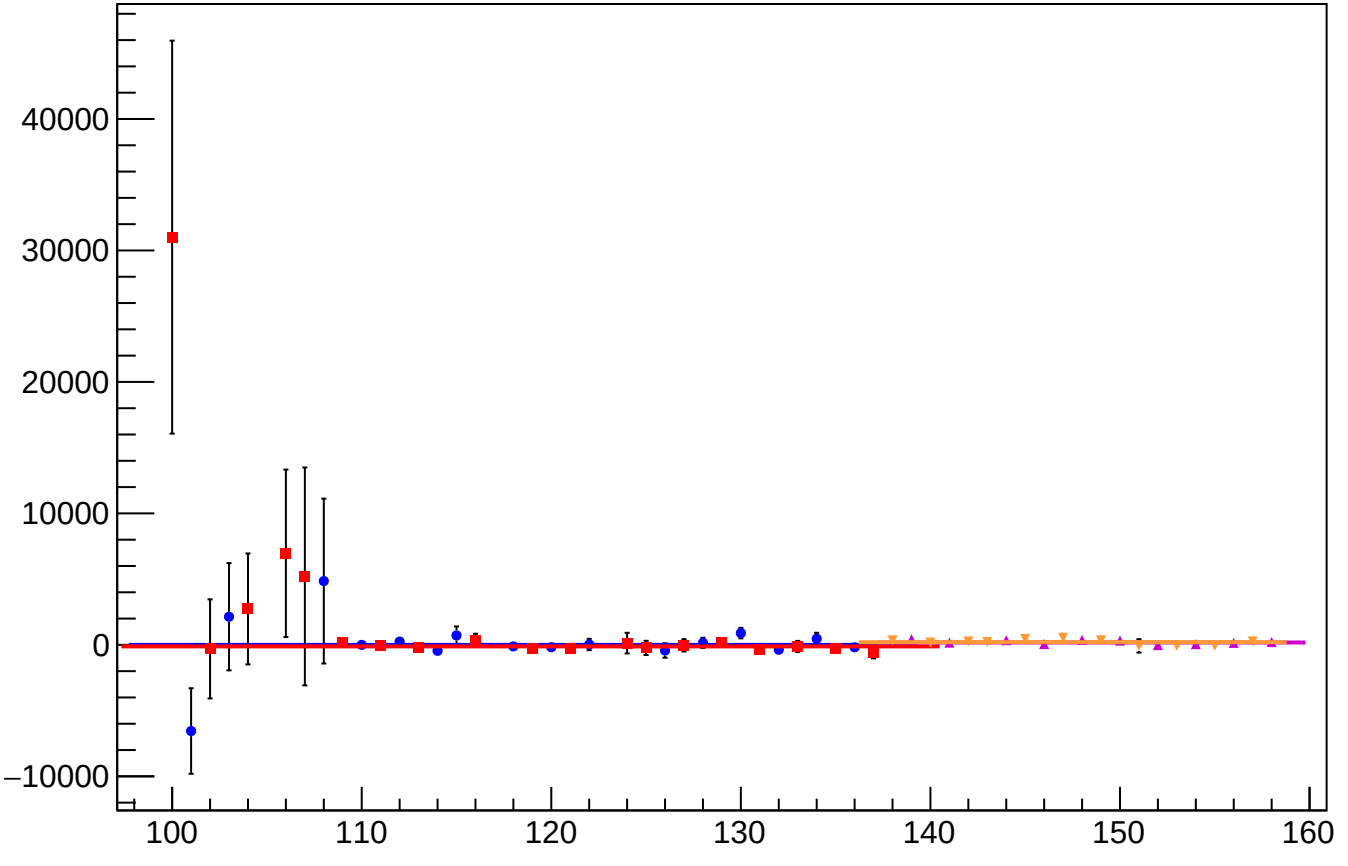
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.831+/-0.005 χ^2/NDF:3358661.7/25

Out: 28.993+/-0.005 χ^2/NDF:3632061.0/29

All: 28.911+/-0.004 χ^2/NDF: 6991166.5/55

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: 202.966+/-84.406 χ^2/NDF:4.8/10

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 180.098+/-68.739 χ^2/NDF:4.0/9

Left: 189.217+/-53.300 χ^2/NDF: 8.8/20

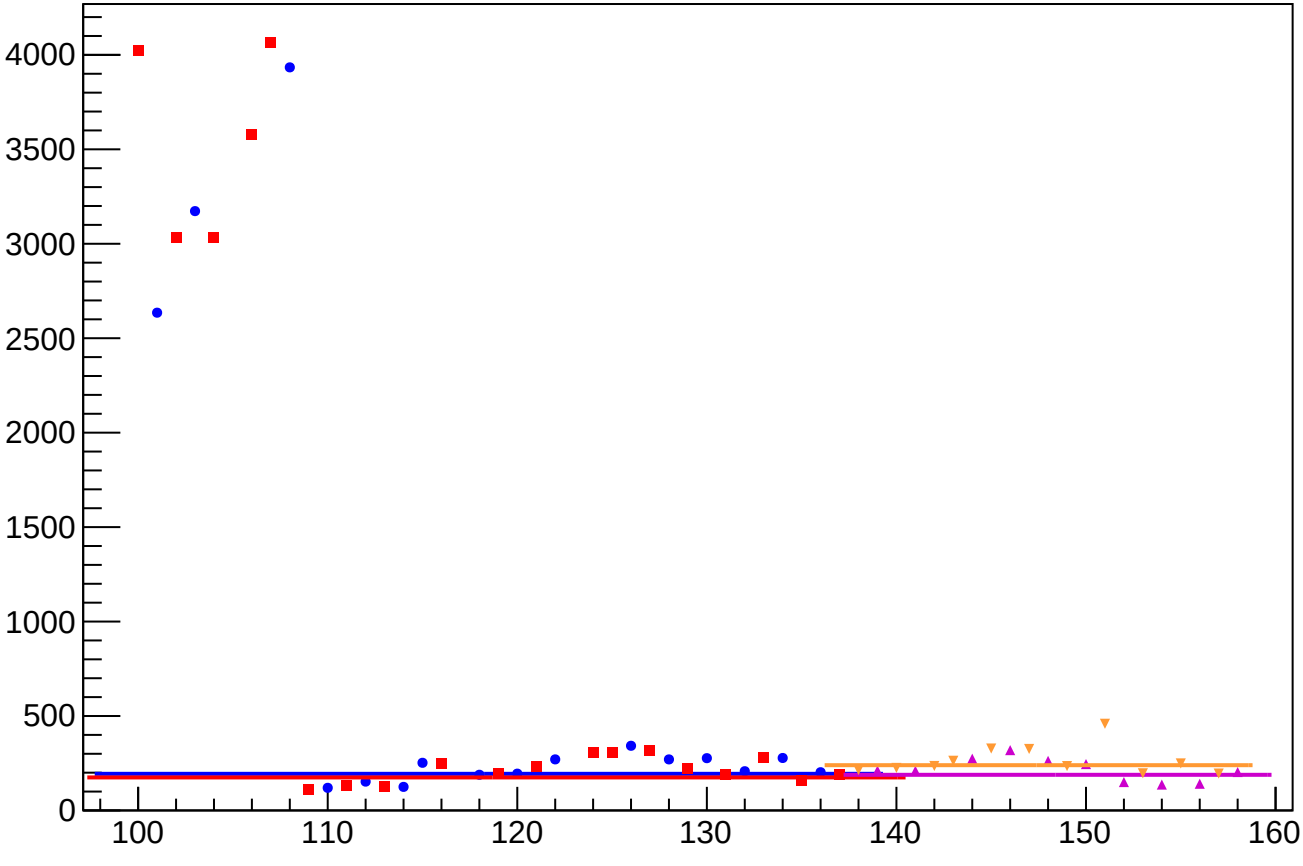
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 108.303+/-53.574 χ^2/NDF:25.0/25

Out: 32.979+/-57.659 χ^2/NDF:26.2/29

All: 73.403+/-39.248 χ^2/NDF: 52.1/55

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 239.663+/-0.060 χ^2/NDF:801319.7/10

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.679+/-0.049 χ^2/NDF:1215485.8/9

Left: 209.009+/-0.038 χ^2/NDF: 2455538.9/20

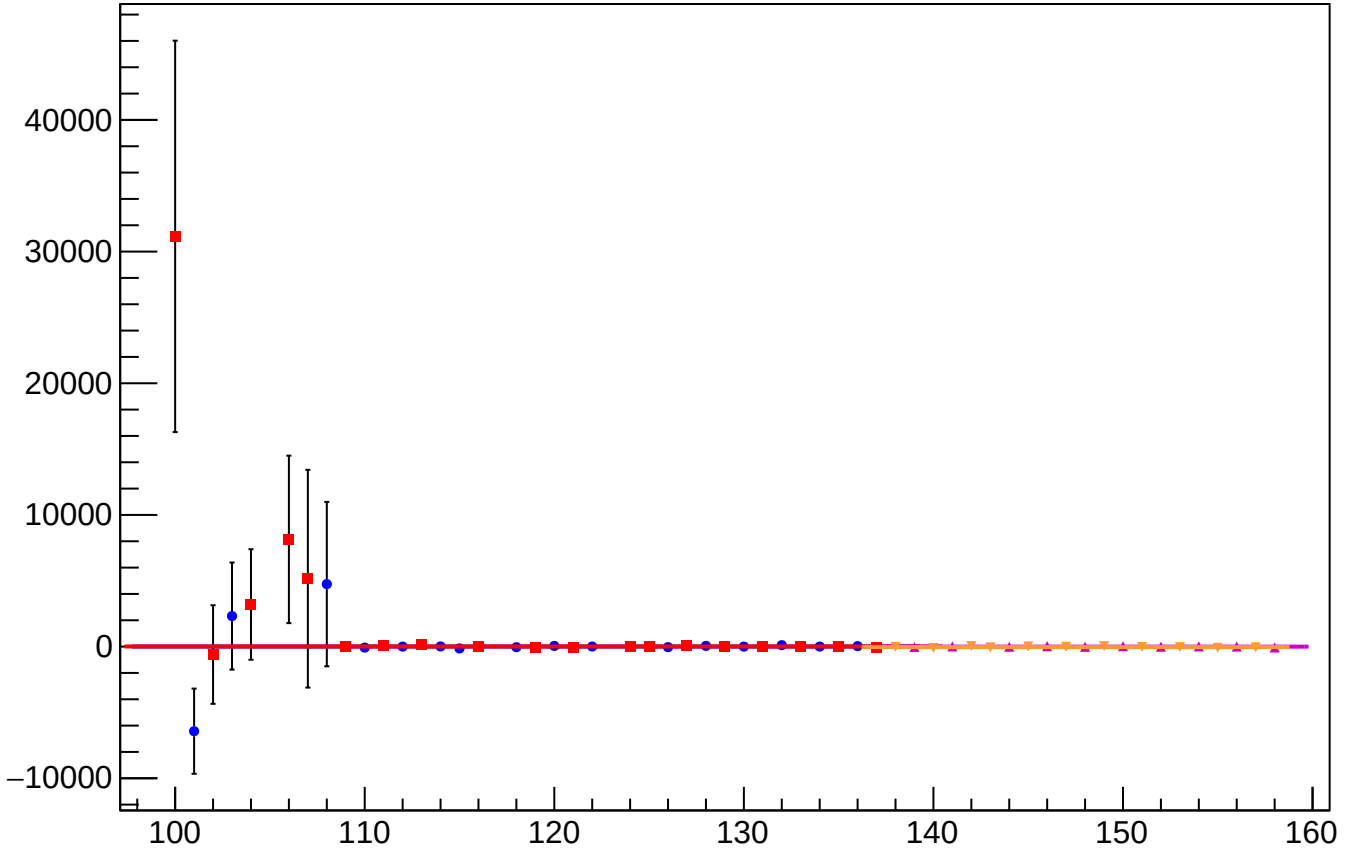
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 190.747+/-0.038 χ^2/NDF:5004563.6/25

Out: 205.058+/-0.041 χ^2/NDF:5690961.0/29

All: 197.377+/-0.028 χ^2/NDF: 10761645.0/55

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: -36.772+/-11.940 χ^2/NDF:12.9/10

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -2.780+/-11.868 χ^2/NDF:6.3/9

Left: -19.672+/-8.417 χ^2/NDF: 23.3/20

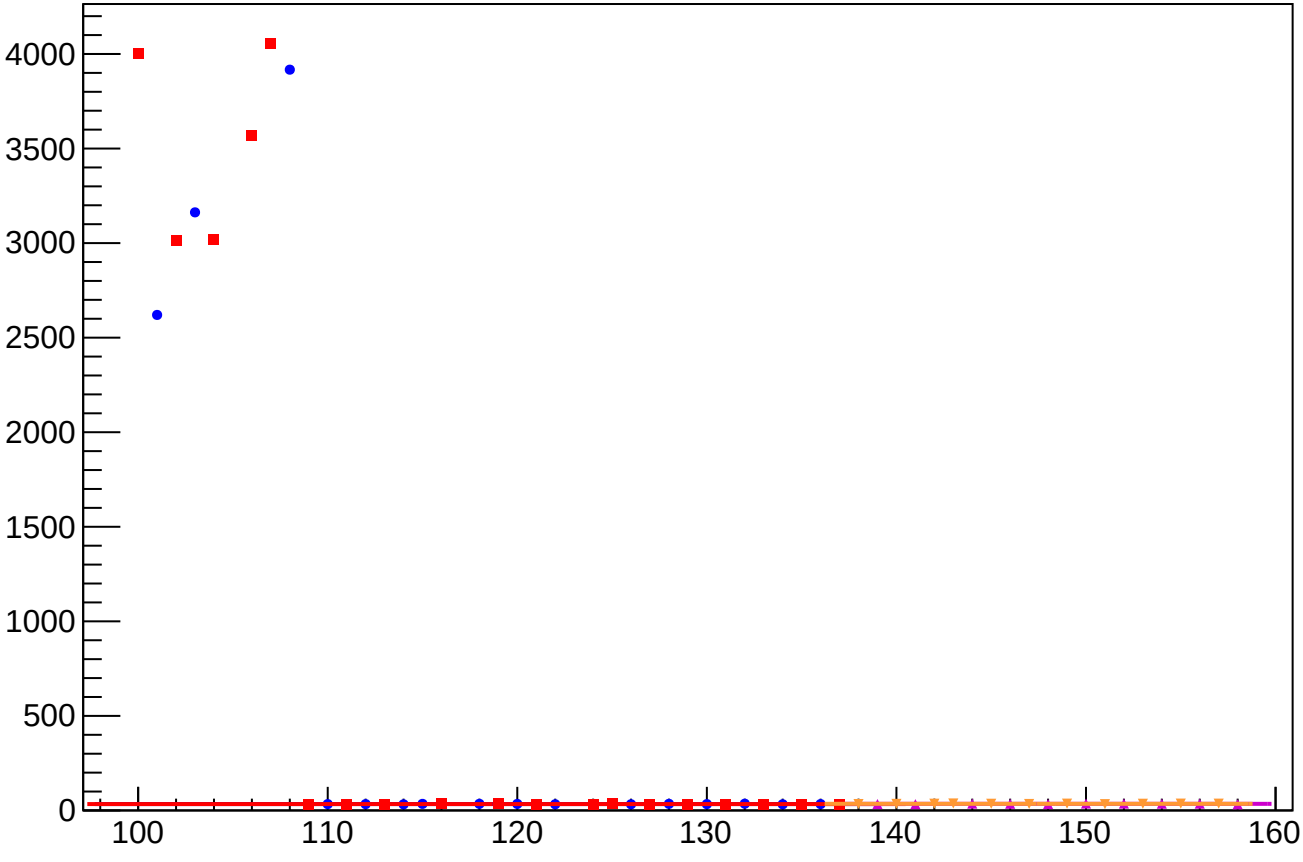
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 0.661+/-9.134 χ^2/NDF:23.9/25

Out: -17.766+/-9.200 χ^2/NDF:42.6/29

All: -8.486+/-6.482 χ^2/NDF: 68.5/55

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 35.132+/-0.008 χ^2/NDF:15801.8/10

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.978+/-0.008 χ^2/NDF:25555.1/9

Left: 35.054+/-0.006 χ^2/NDF: 41525.5/20

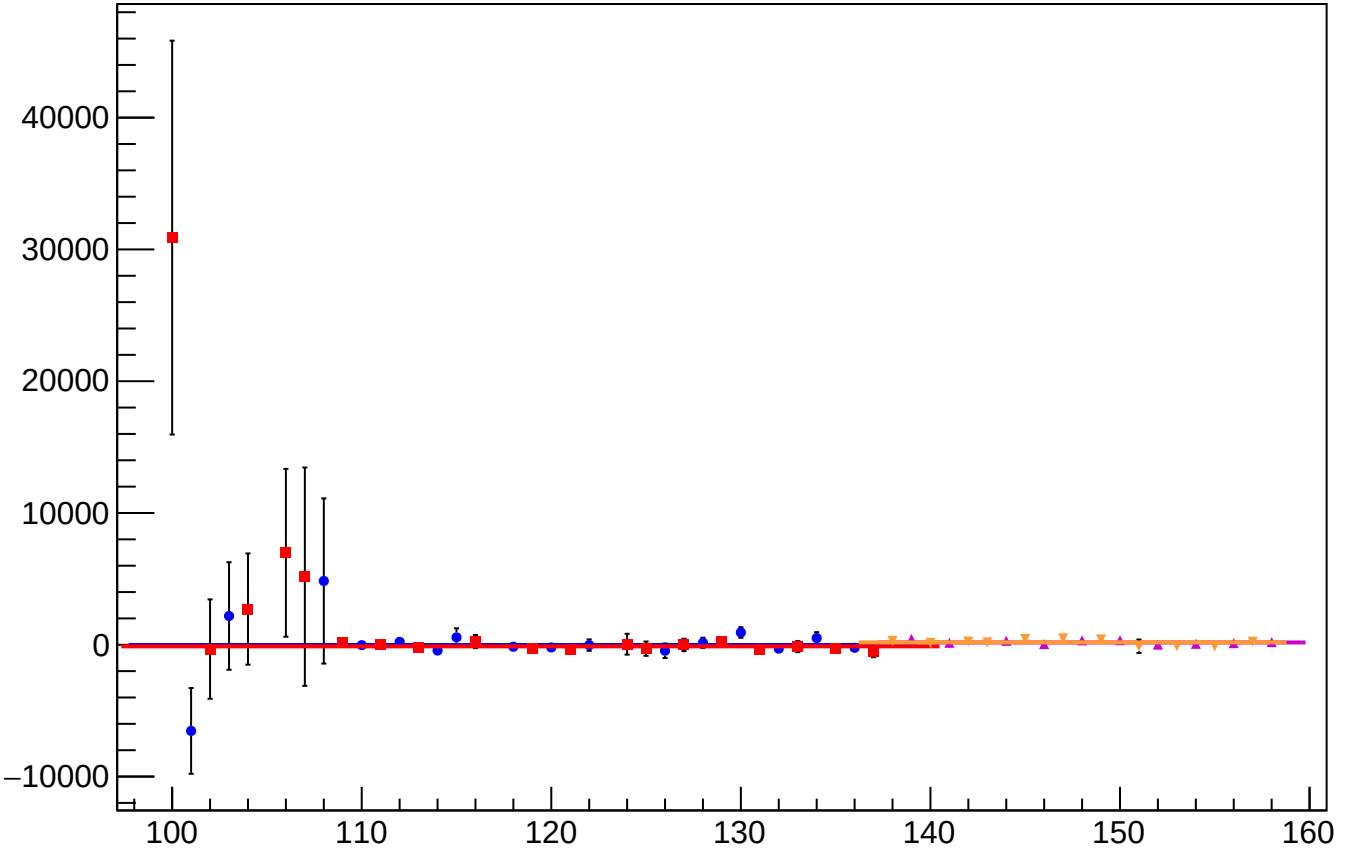
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.538+/-0.006 χ^2/NDF:3276666.3/25

Out: 34.561+/-0.007 χ^2/NDF:3553535.0/29

All: 34.549+/-0.005 χ^2/NDF: 6830207.4/55

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: 180.865+/-84.077 χ^2/NDF:5.3/10

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 175.294+/-68.458 χ^2/NDF:3.6/9

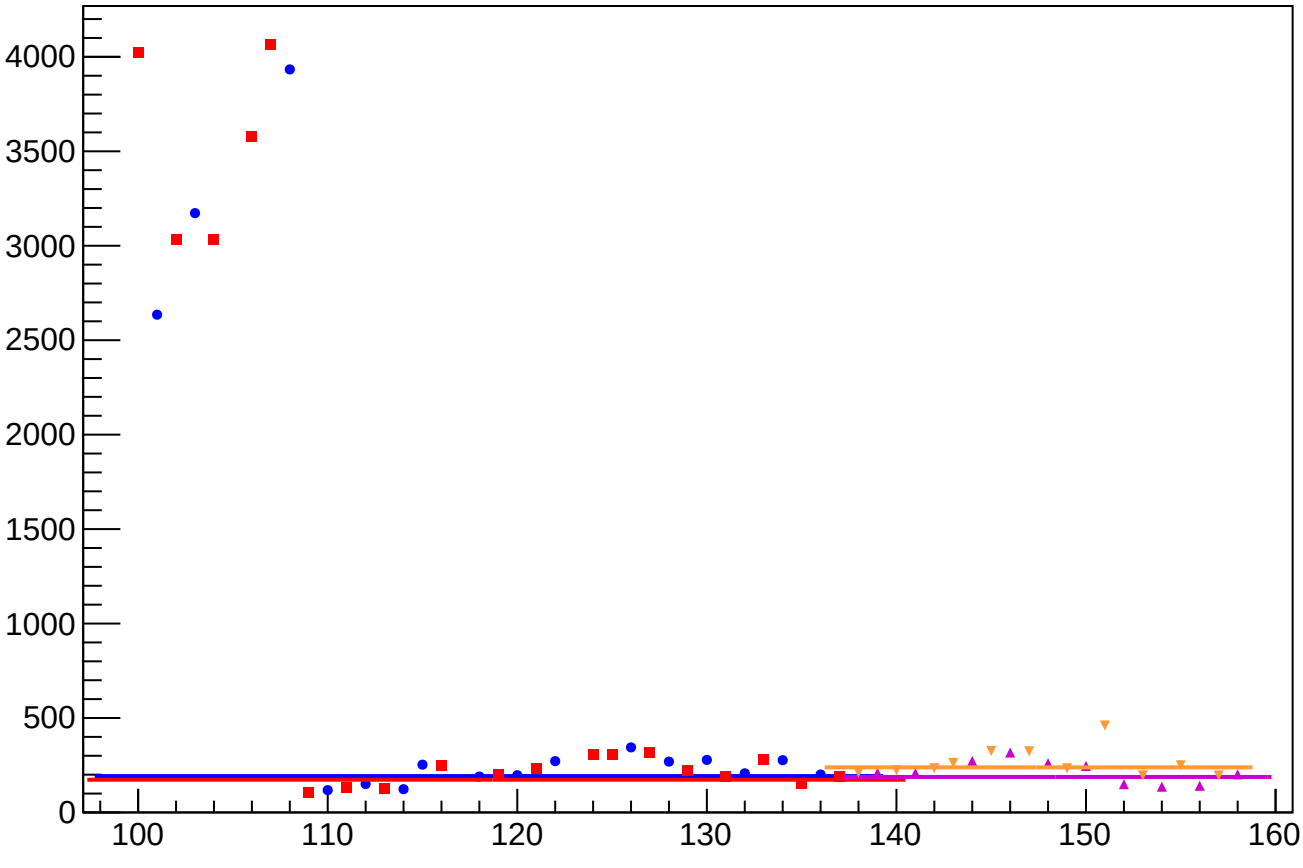
Left: 177.515+/-53.086 χ^2/NDF: 8.9/20

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 98.714+/-53.332 χ^2/NDF:25.0/25

Out: 20.079+/-57.361 χ^2/NDF:25.4/29

All: 62.255+/-39.058 χ^2/NDF: 51.4/55



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 238.716+/-0.059 χ^2/NDF:800287.4/10

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 187.919+/-0.048 χ^2/NDF:1203681.7/9

Left: 208.170+/-0.038 χ^2/NDF: 2442975.5/20

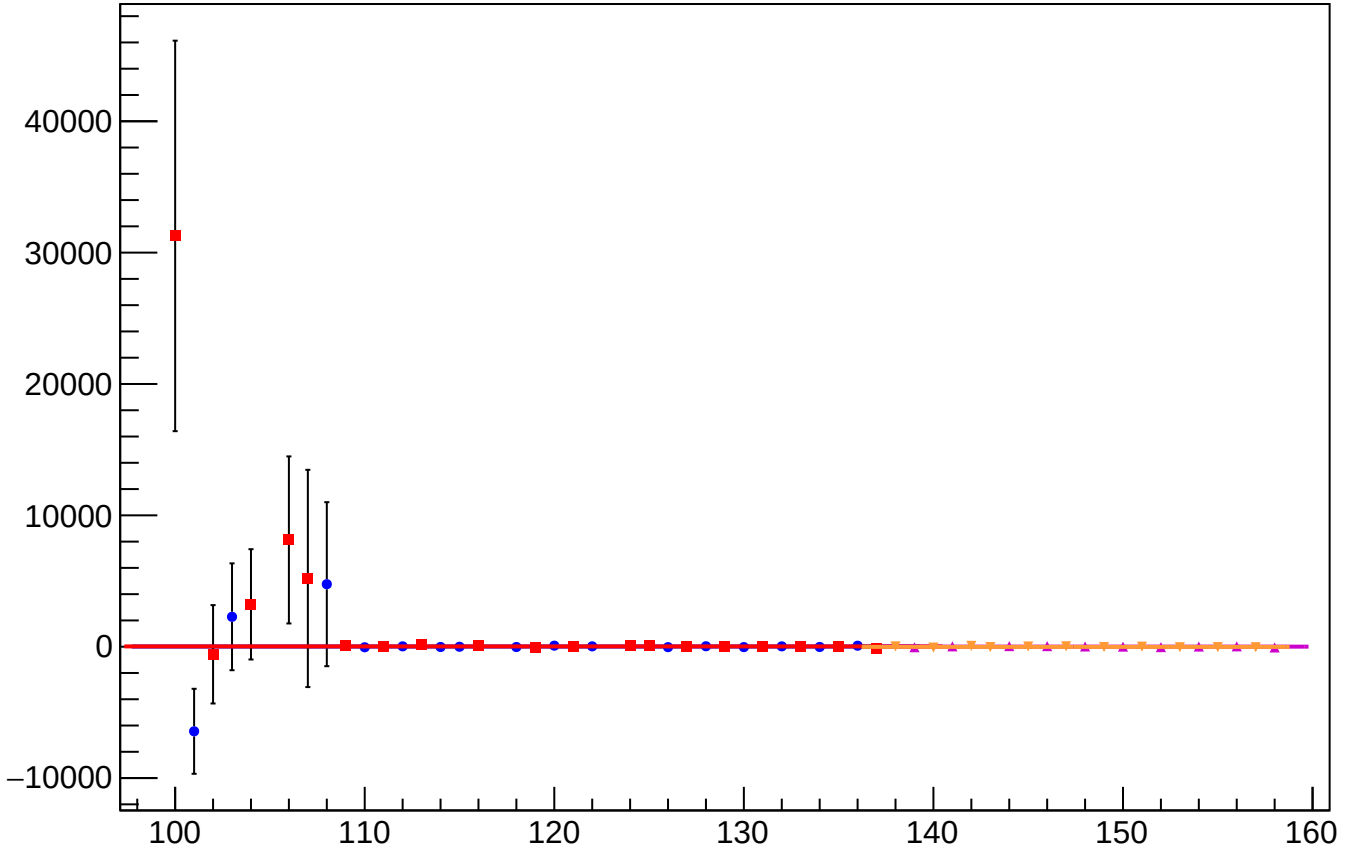
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 189.743+/-0.038 χ^2/NDF:5030083.9/25

Out: 203.721+/-0.041 χ^2/NDF:5755912.4/29

All: 196.224+/-0.028 χ^2/NDF: 10849689.6/55

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: -13.159+/-10.907 χ^2/NDF:9.9/10

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 4.627+/-10.780 χ^2/NDF:10.6/9

Left: -4.162+/-7.667 χ^2/NDF: 21.9/20

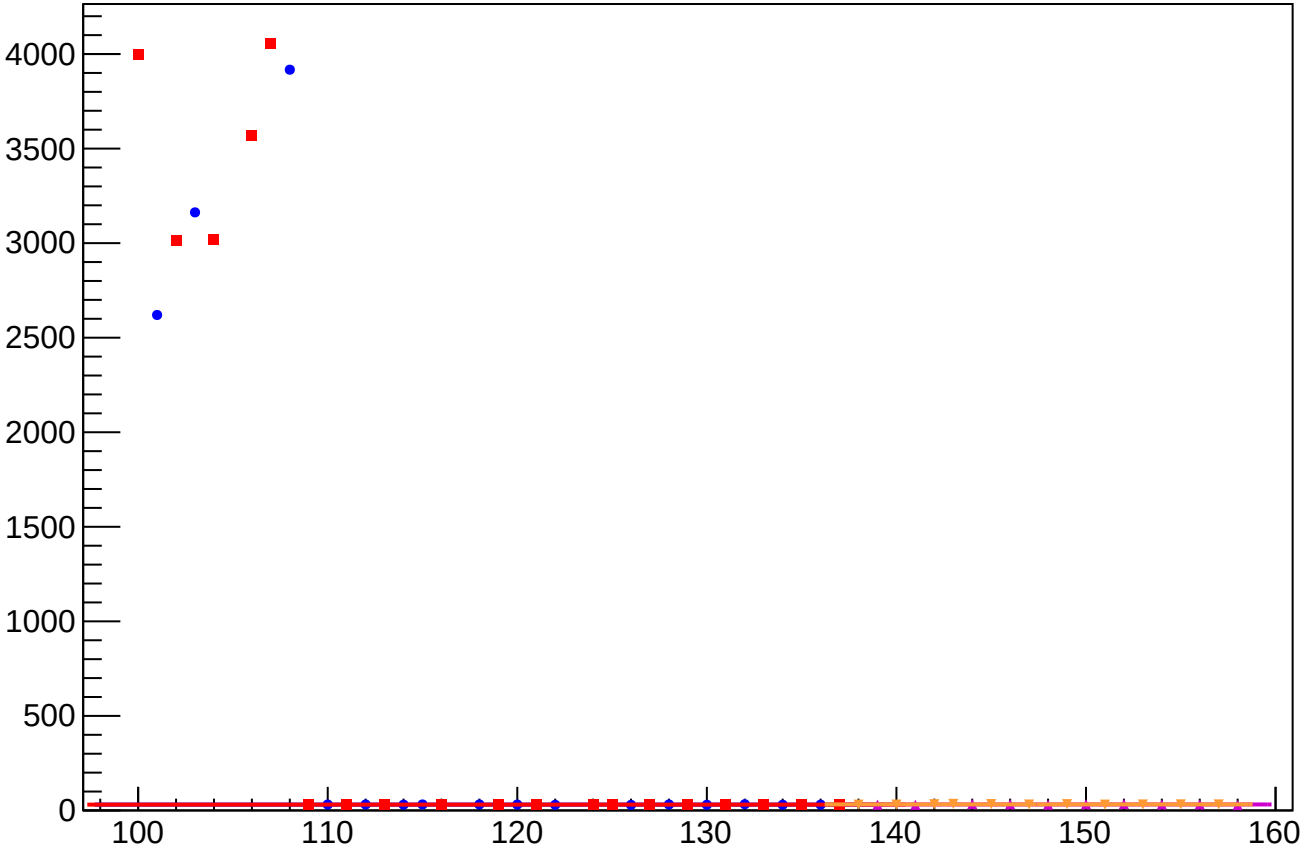
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 8.308+/-8.314 χ^2/NDF:26.4/25

Out: 1.631+/-8.403 χ^2/NDF:43.1/29

All: 5.005+/-5.910 χ^2/NDF: 69.8/55

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.061+/-0.008 χ^2/NDF:25359.0/10

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.715+/-0.008 χ^2/NDF:53137.5/9

Left: 31.886+/-0.005 χ^2/NDF: 79519.1/20

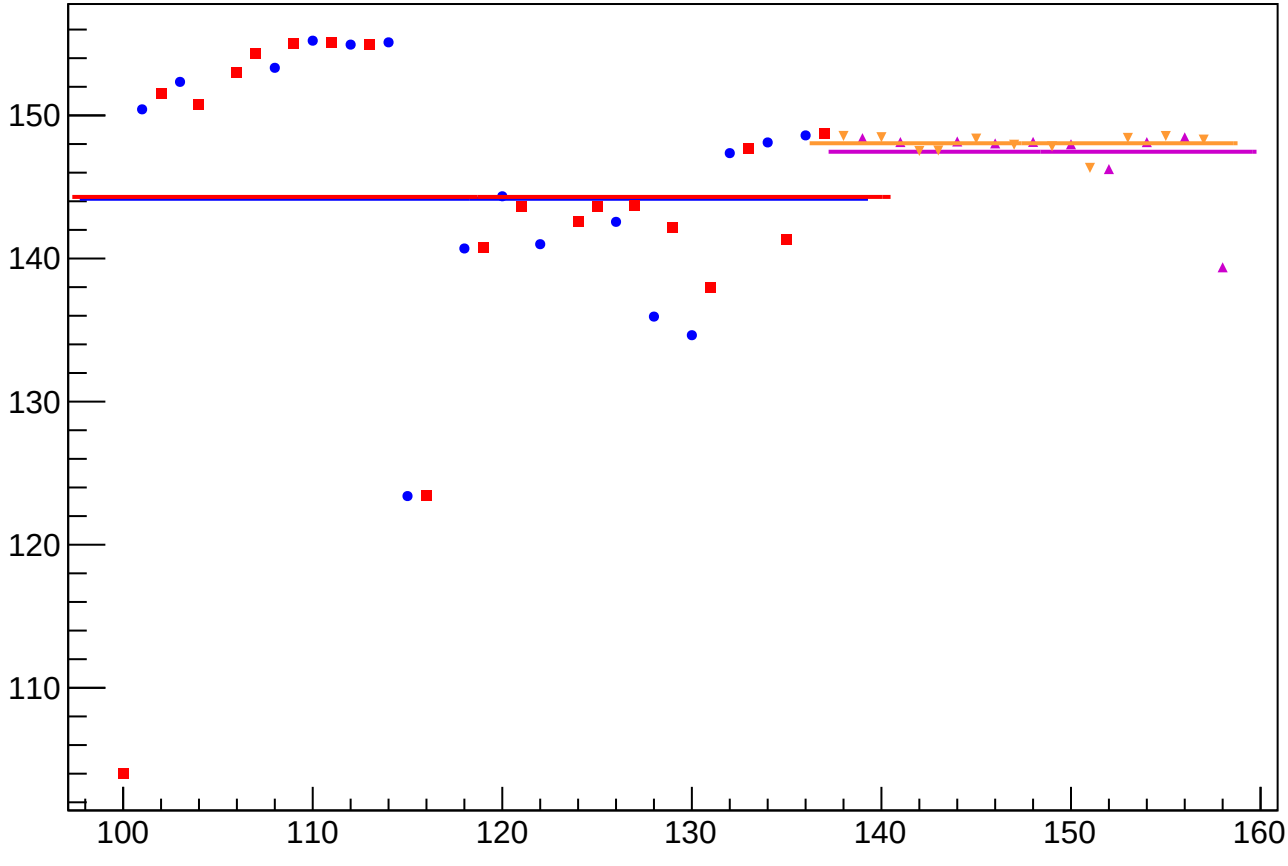
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.396+/-0.006 χ^2/NDF:3310056.4/25

Out: 31.539+/-0.006 χ^2/NDF:3572867.7/29

All: 31.467+/-0.004 χ^2/NDF: 6883218.0/55

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.055+/-0.000 χ^2/NDF:20442157.7/10

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.461+/-0.000 χ^2/NDF:279448320.0/9

Left: 147.771+/-0.000 χ^2/NDF: 310123333.1/20

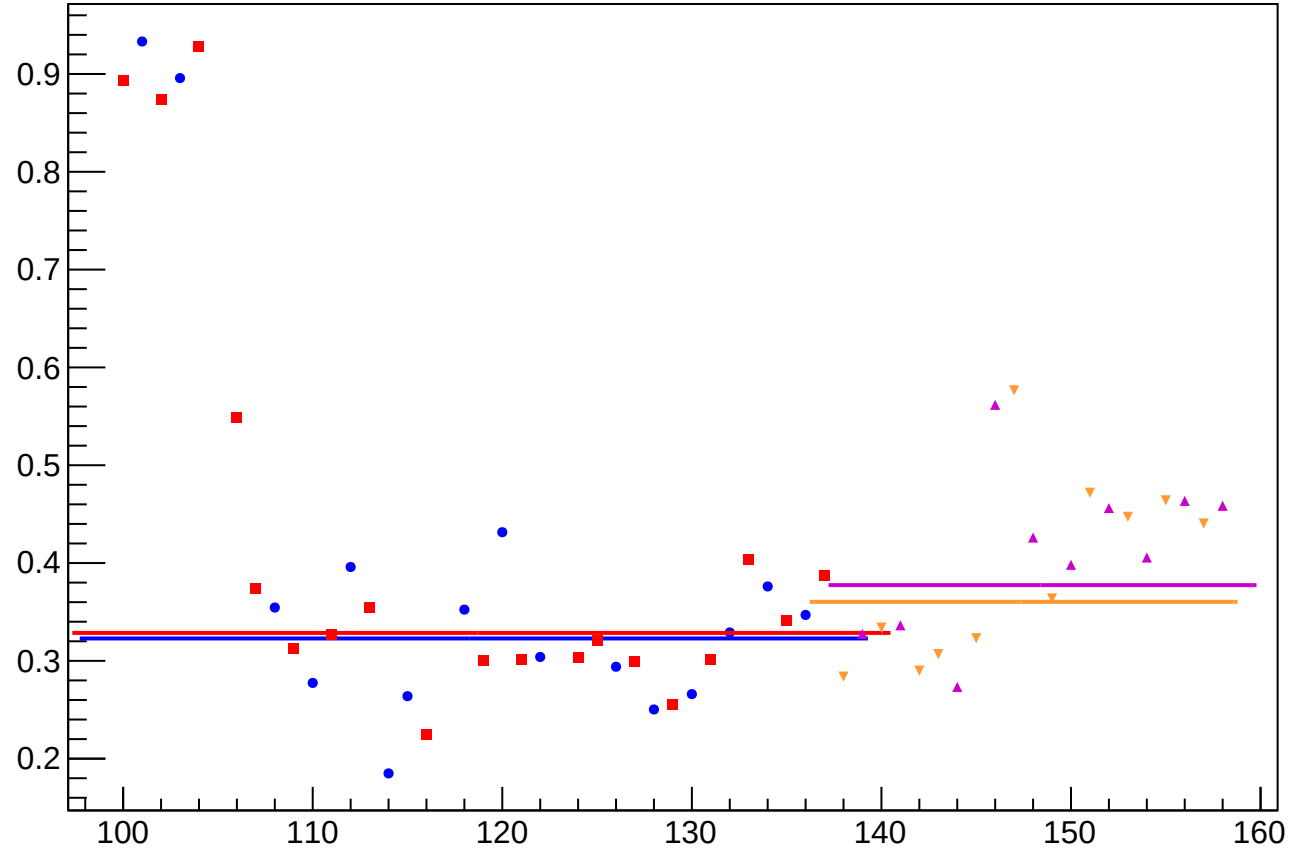
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.799+/-0.000 χ^2/NDF:4308515195.4/25

Out: 146.248+/-0.000 χ^2/NDF:4696499544.4/29

All: 146.028+/-0.000 χ^2/NDF: 9016590272.1

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.360+/-0.000 χ^2/NDF:730292.6/10

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.377+/-0.000 χ^2/NDF:681670.5/9

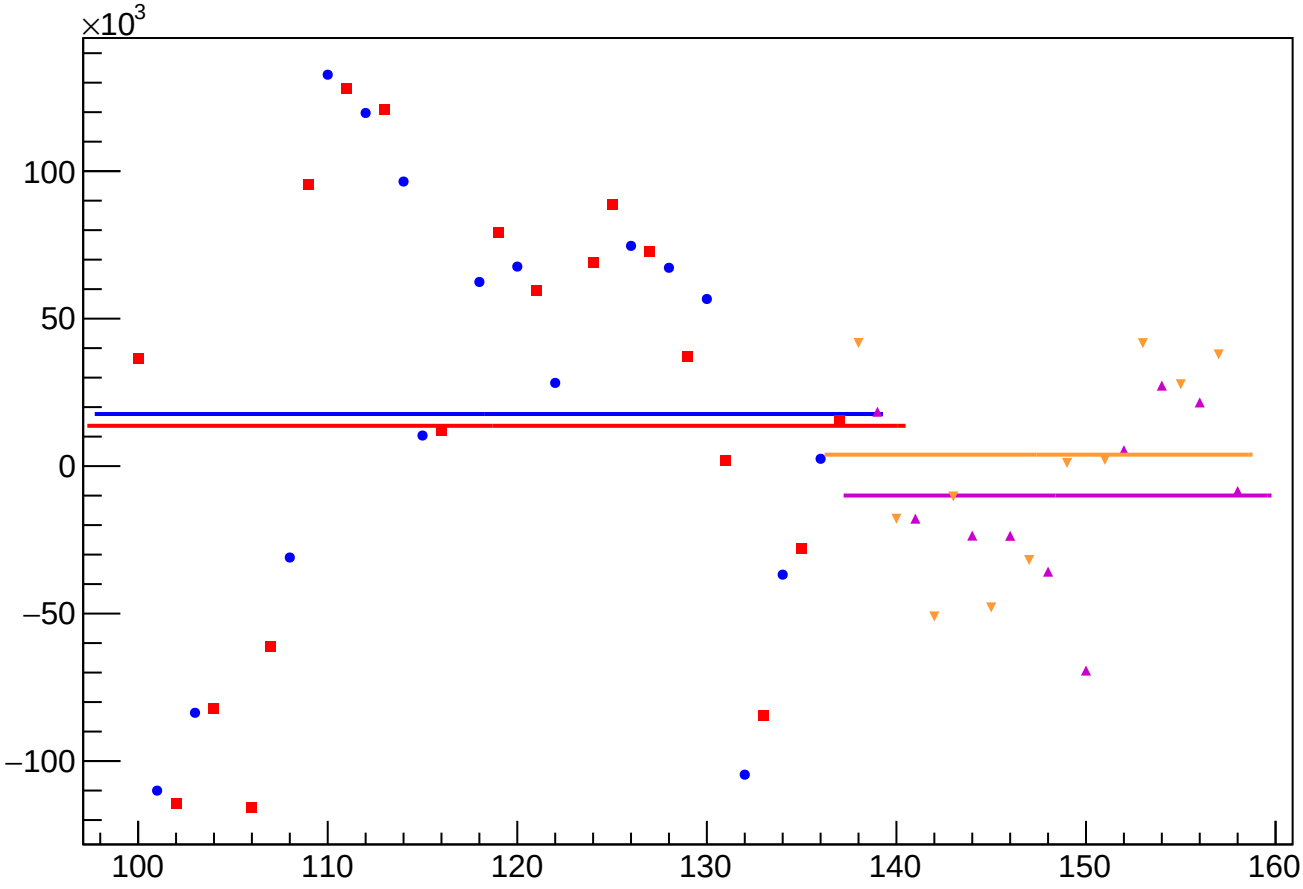
Left: 0.369+/-0.000 χ^2/NDF: 1428910.9/20

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.350+/-0.000 χ^2/NDF:2245364.8/25

Out: 0.345+/-0.000 χ^2/NDF:2093528.1/29

All: 0.347+/-0.000 χ^2/NDF: 4341536.5/55



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 3879.491+/-1.699 χ^2/NDF:353490446.3/10

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -9974.552+/-1.690 χ^2/NDF:303265776.1/9

Left: -3086.236+/-1.198 χ^2/NDF: 690172054.8/20

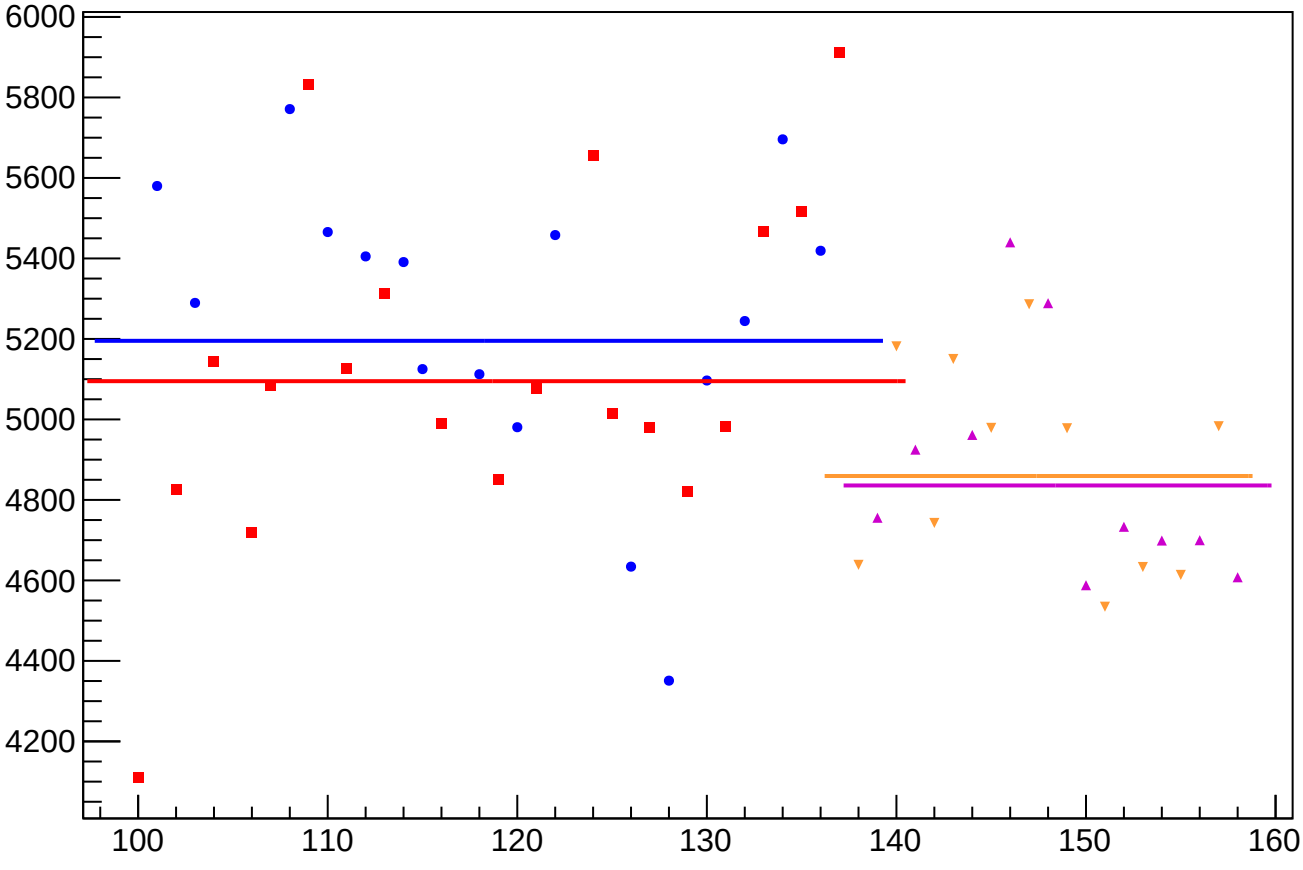
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 1501.367+/-1.292 χ^2/NDF:1813065622.6/25

Out: 8166.280+/-1.274 χ^2/NDF:2224980551.9/29

All: 4881.462+/-0.907 χ^2/NDF: 4051535539.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4859.417+/-1.202 χ^2/NDF:44056.4/10

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4835.896+/-1.195 χ^2/NDF:45939.8/9

Left: 4847.591+/-0.847 χ^2/NDF: 90188.9/20

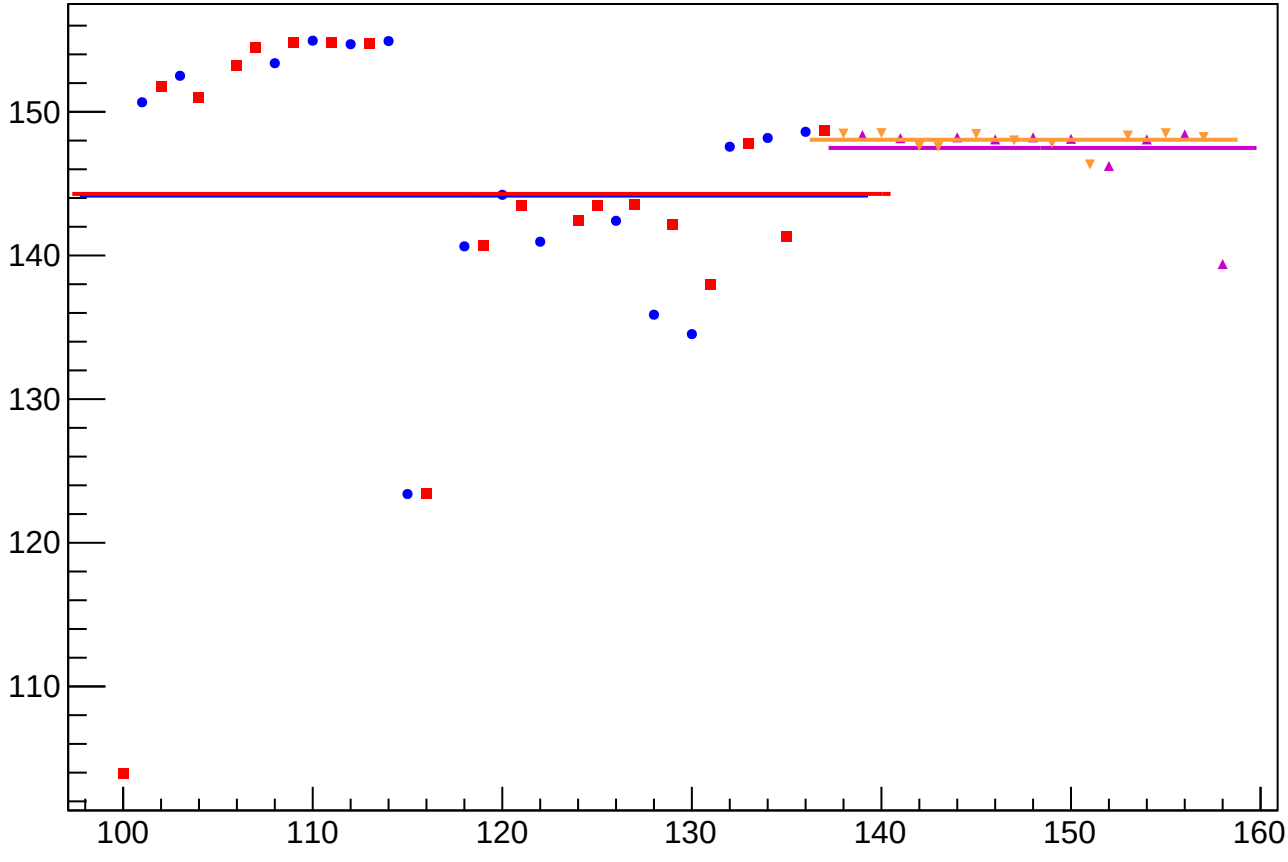
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4985.126+/-0.914 χ^2/NDF:160666.2/25

Out: 4962.627+/-0.901 χ^2/NDF:120010.4/29

All: 4973.716+/-0.642 χ^2/NDF: 280984.0/55

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.056+/-0.000 χ^2/NDF:19250795.7/10

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.486+/-0.000 χ^2/NDF:280953760.4/9

Left: 147.783+/-0.000 χ^2/NDF: 309731626.7/20

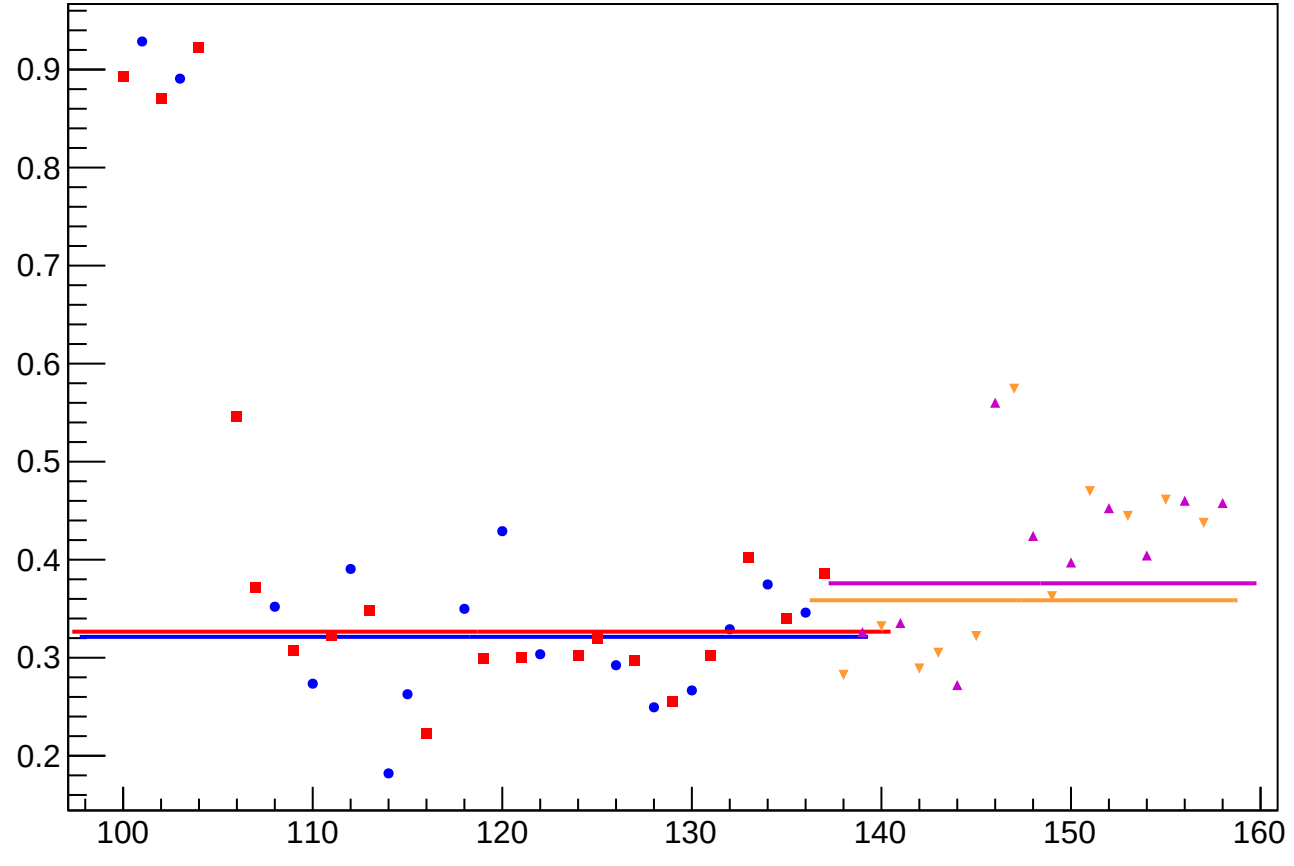
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.807+/-0.000 χ^2/NDF:4358256446.5/25

Out: 146.238+/-0.000 χ^2/NDF:4729781418.2/29

All: 146.027+/-0.000 χ^2/NDF: 9098796895.6

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.359+/-0.000 χ^2/NDF:729355.2/10

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.376+/-0.000 χ^2/NDF:680546.7/9

Left: 0.367+/-0.000 χ^2/NDF: 1427482.5/20

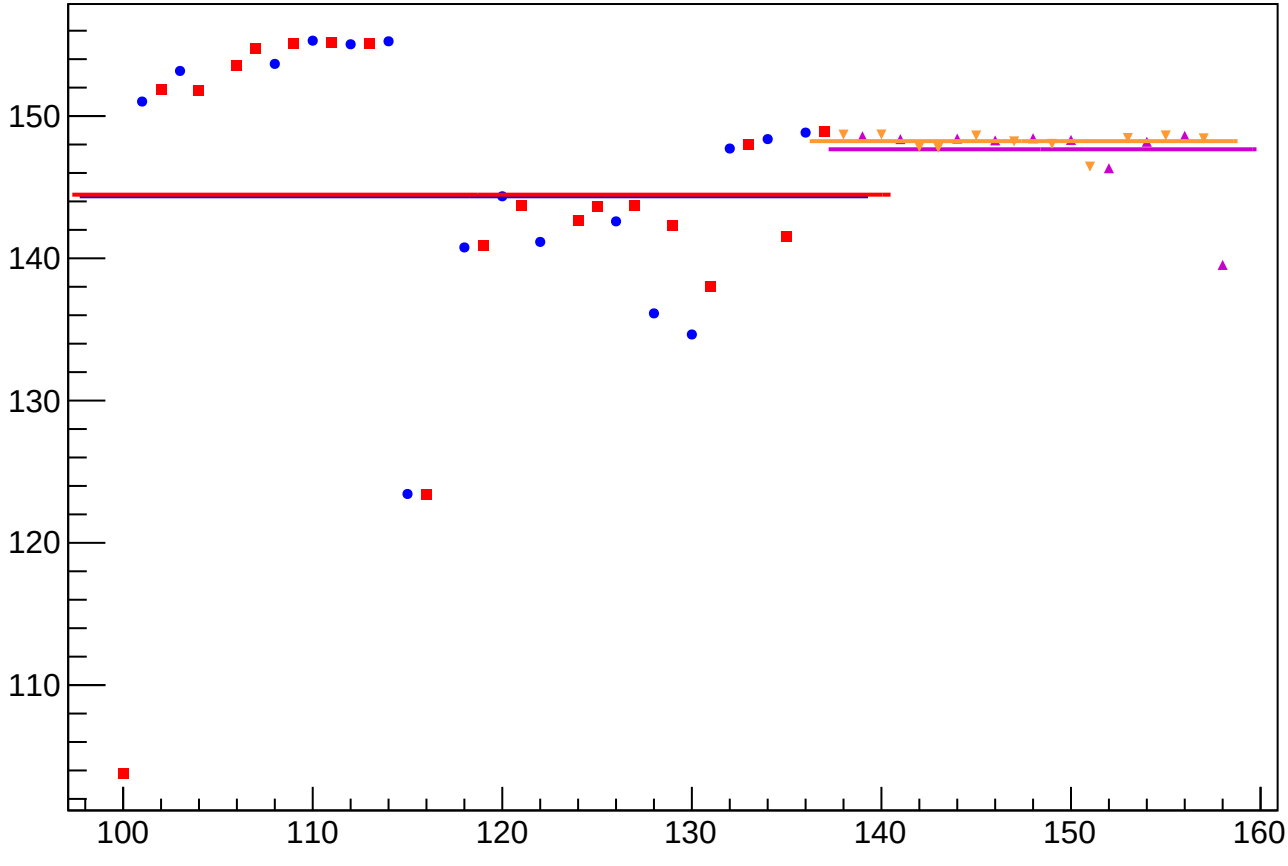
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.348+/-0.000 χ^2/NDF:2246531.7/25

Out: 0.343+/-0.000 χ^2/NDF:2092805.8/29

All: 0.346+/-0.000 χ^2/NDF: 4342362.0/55

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.238+/-0.000 χ^2/NDF:19694716.2/10

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.664+/-0.000 χ^2/NDF:285149145.9/9

Left: 147.963+/-0.000 χ^2/NDF: 314378880.3/20

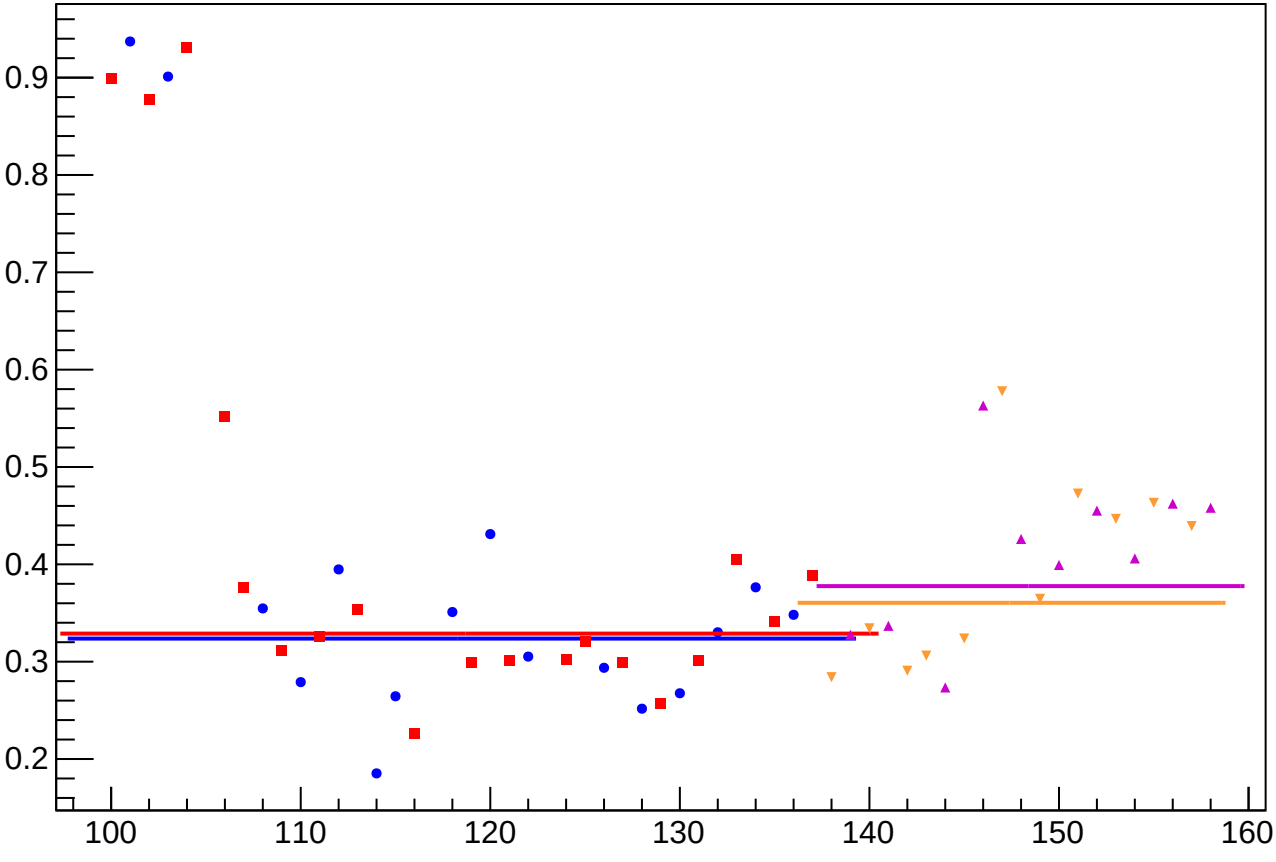
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 145.996+/-0.000 χ^2/NDF:4350663118.5/25

Out: 146.426+/-0.000 χ^2/NDF:4715528455.7/29

All: 146.215+/-0.000 χ^2/NDF: 9076798723.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.360+/-0.000 χ^2/NDF:728342.3/10

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.378+/-0.000 χ^2/NDF:679136.7/9

Left: 0.369+/-0.000 χ^2/NDF: 1424565.0/20

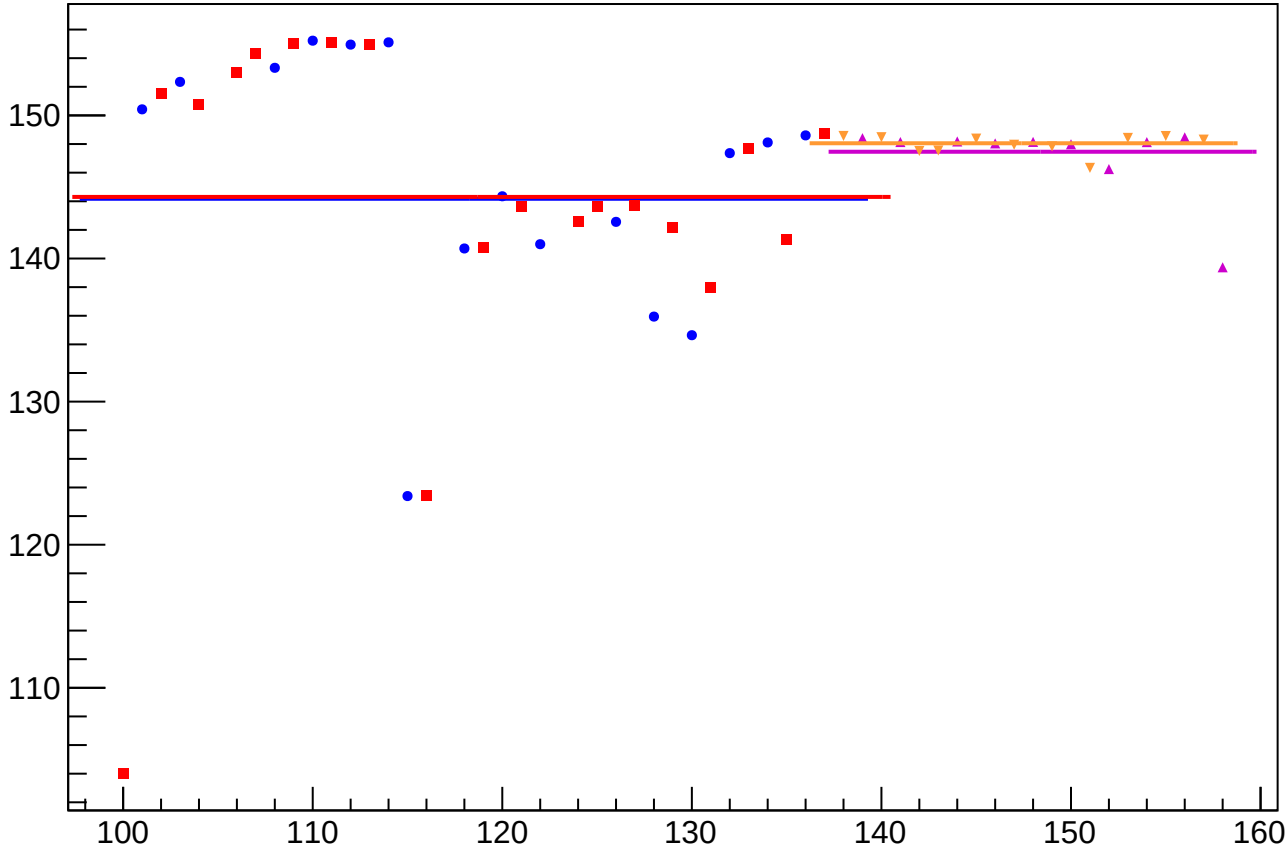
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.350+/-0.000 χ^2/NDF:2234982.4/25

Out: 0.345+/-0.000 χ^2/NDF:2090149.9/29

All: 0.348+/-0.000 χ^2/NDF: 4328189.0/55

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.055+/-0.000 χ^2/NDF:20442157.7/10

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.461+/-0.000 χ^2/NDF:279448320.0/9

Left: 147.771+/-0.000 χ^2/NDF: 310123333.1/20

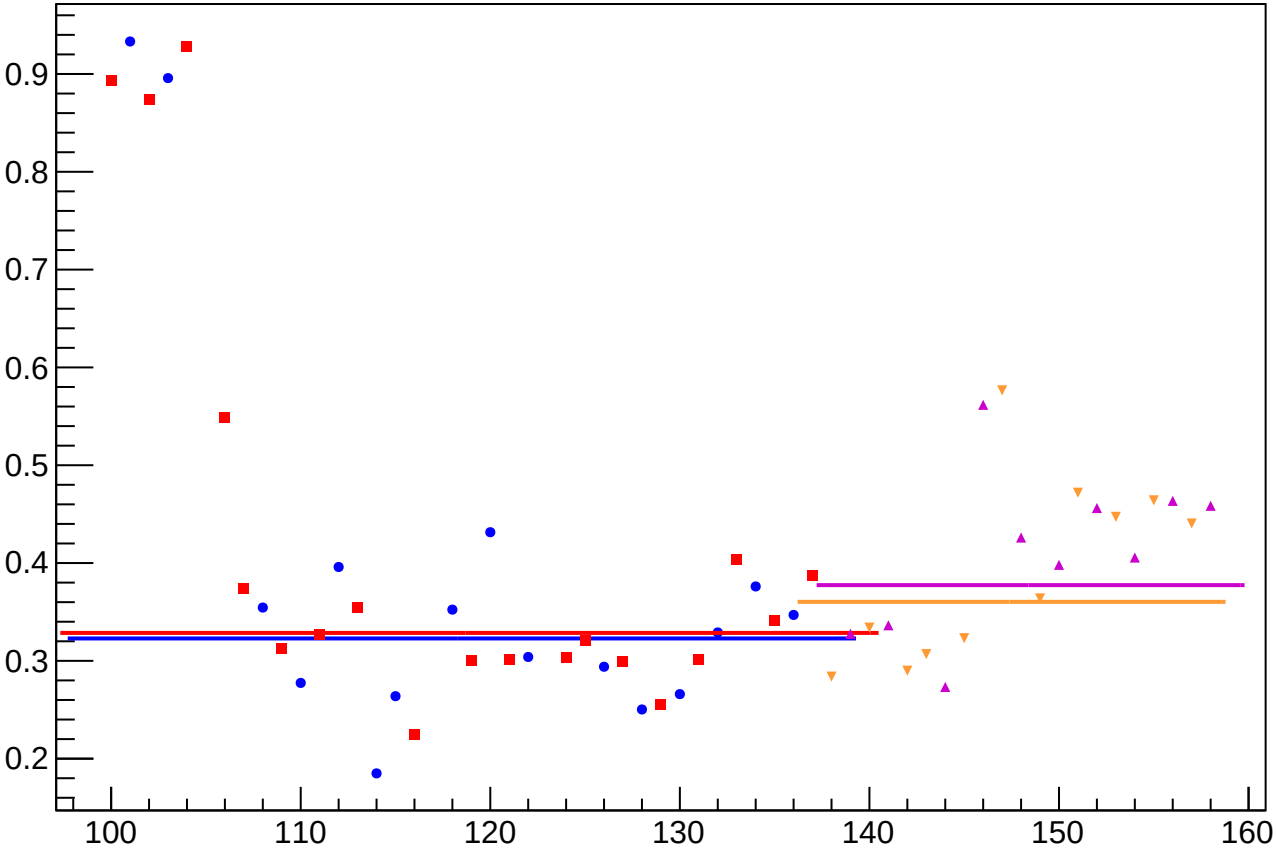
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.799+/-0.000 χ^2/NDF:4308515195.4/25

Out: 146.248+/-0.000 χ^2/NDF:4696499544.4/29

All: 146.028+/-0.000 χ^2/NDF: 9016590272.1

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.360+/-0.000 χ^2/NDF:730292.6/10

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.377+/-0.000 χ^2/NDF:681670.5/9

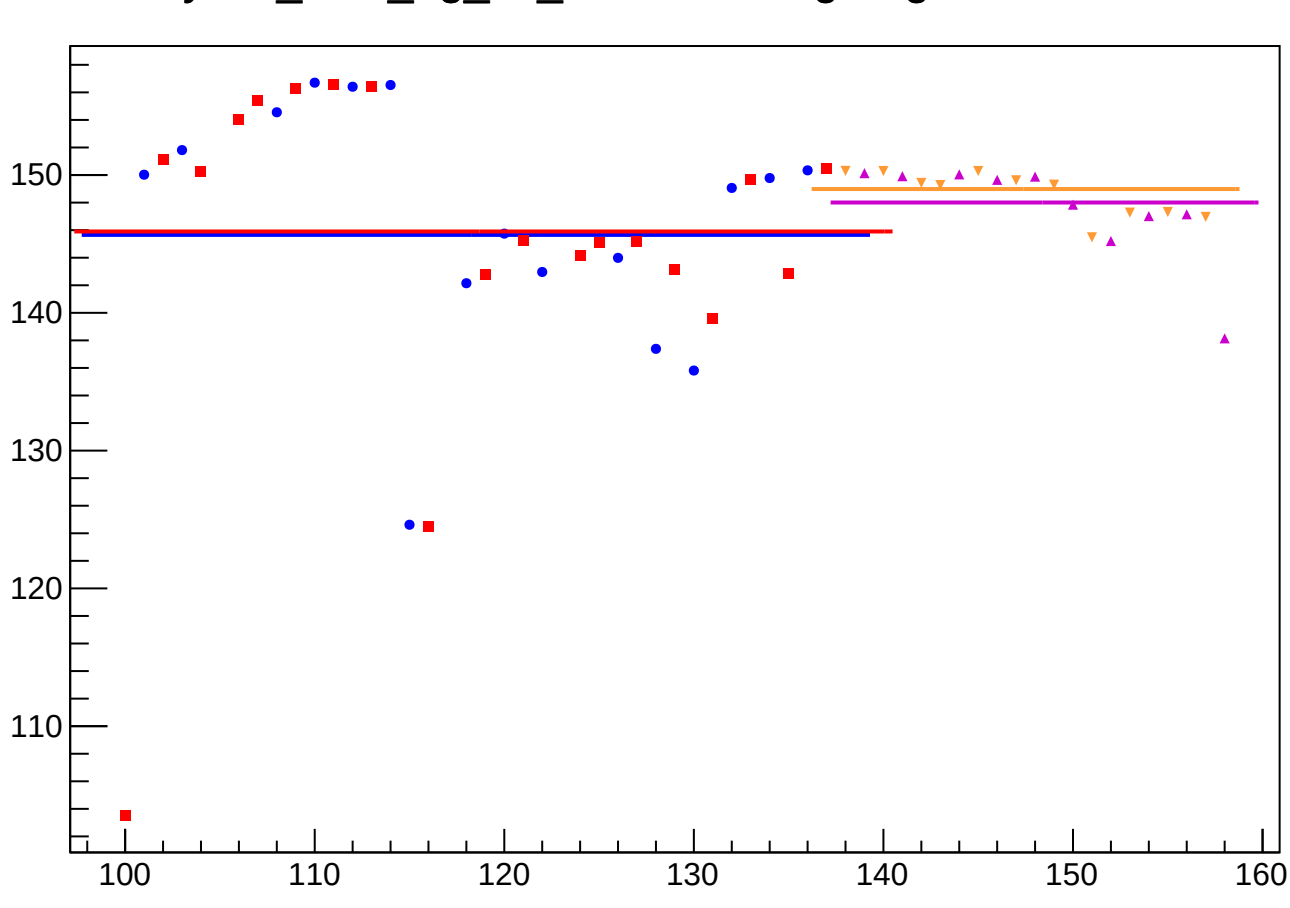
Left: 0.369+/-0.000 χ^2/NDF: 1428910.9/20

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.350+/-0.000 χ^2/NDF:2245364.8/25

Out: 0.345+/-0.000 χ^2/NDF:2093528.1/29

All: 0.347+/-0.000 χ^2/NDF: 4341536.5/55



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.985+/-0.000 χ^2/NDF:119535750.6/10

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 148.007+/-0.000 χ^2/NDF:515541728.0/9

Left: 148.513+/-0.000 χ^2/NDF: 660330380.8/20

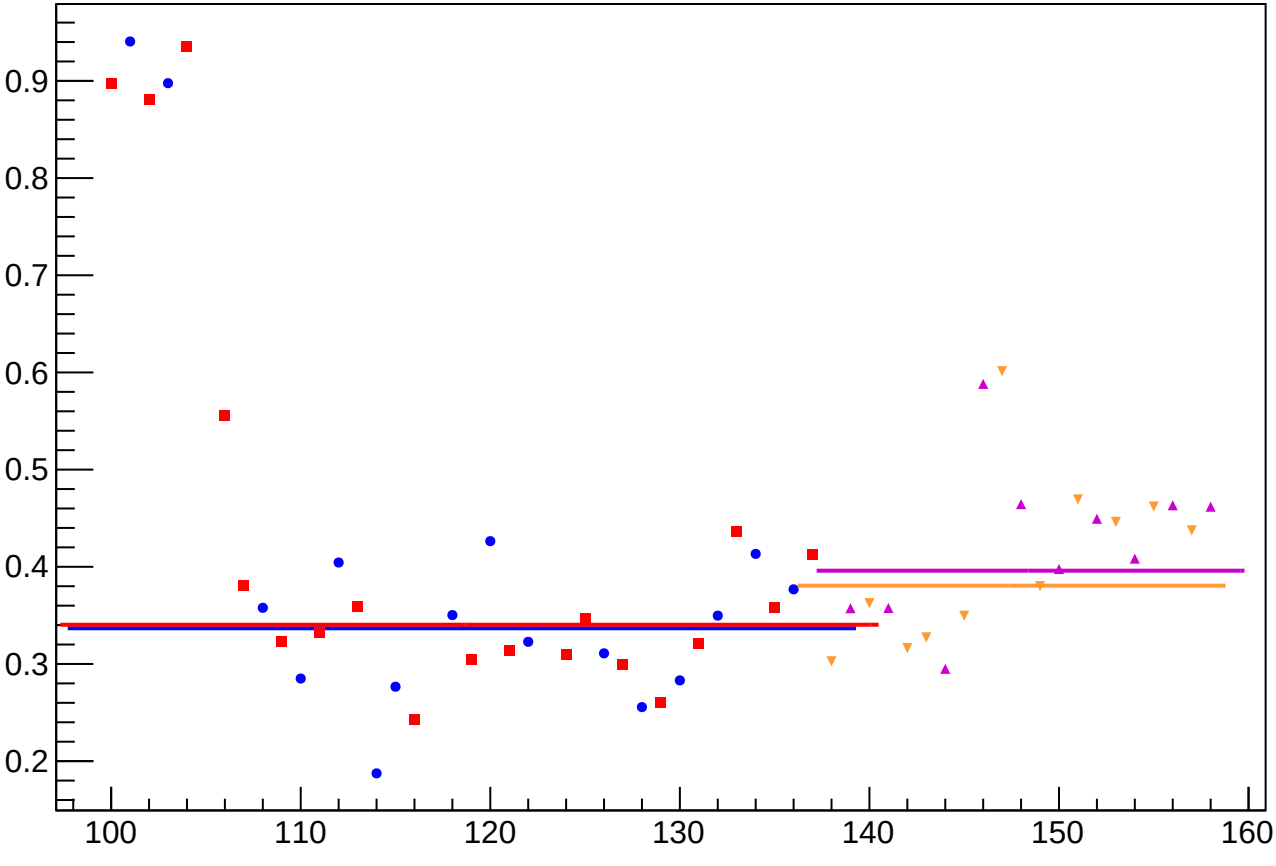
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.816+/-0.000 χ^2/NDF:4139895111.7/25

Out: 147.475+/-0.000 χ^2/NDF:4236958218.9/29

All: 147.152+/-0.000 χ^2/NDF: 8399761452.7

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.381+/-0.000 χ^2/NDF:560955.8/10

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.396+/-0.000 χ^2/NDF:543634.5/9

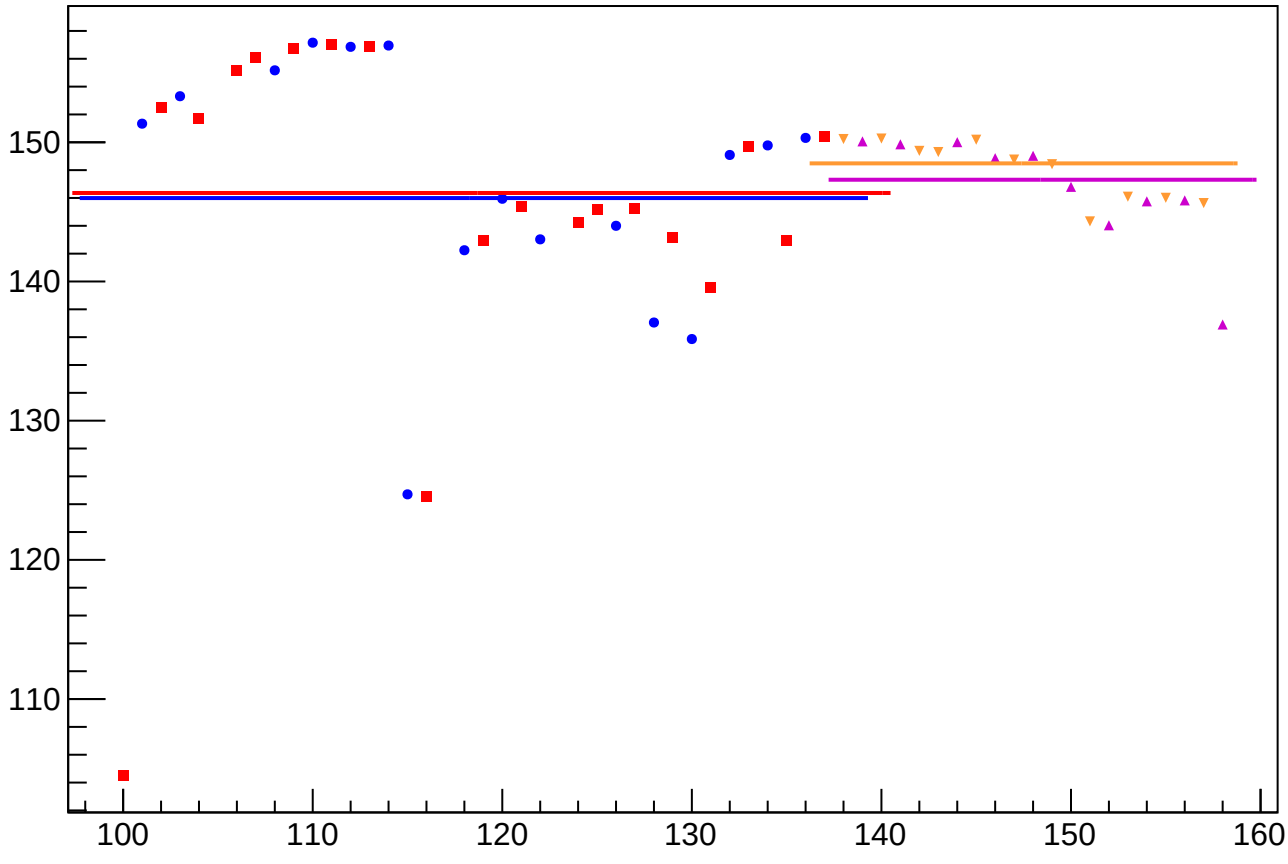
Left: 0.388+/-0.000 χ^2/NDF: 1117076.2/20

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.366+/-0.000 χ^2/NDF:2095788.7/25

Out: 0.361+/-0.000 χ^2/NDF:1922517.9/29

All: 0.363+/-0.000 χ^2/NDF: 4021010.4/55



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 148.485+/-0.000 χ^2/NDF:209815196.7/10

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 147.310+/-0.000 χ^2/NDF:662696147.2/9

Left: 147.919+/-0.000 χ^2/NDF: 908825289.5/20

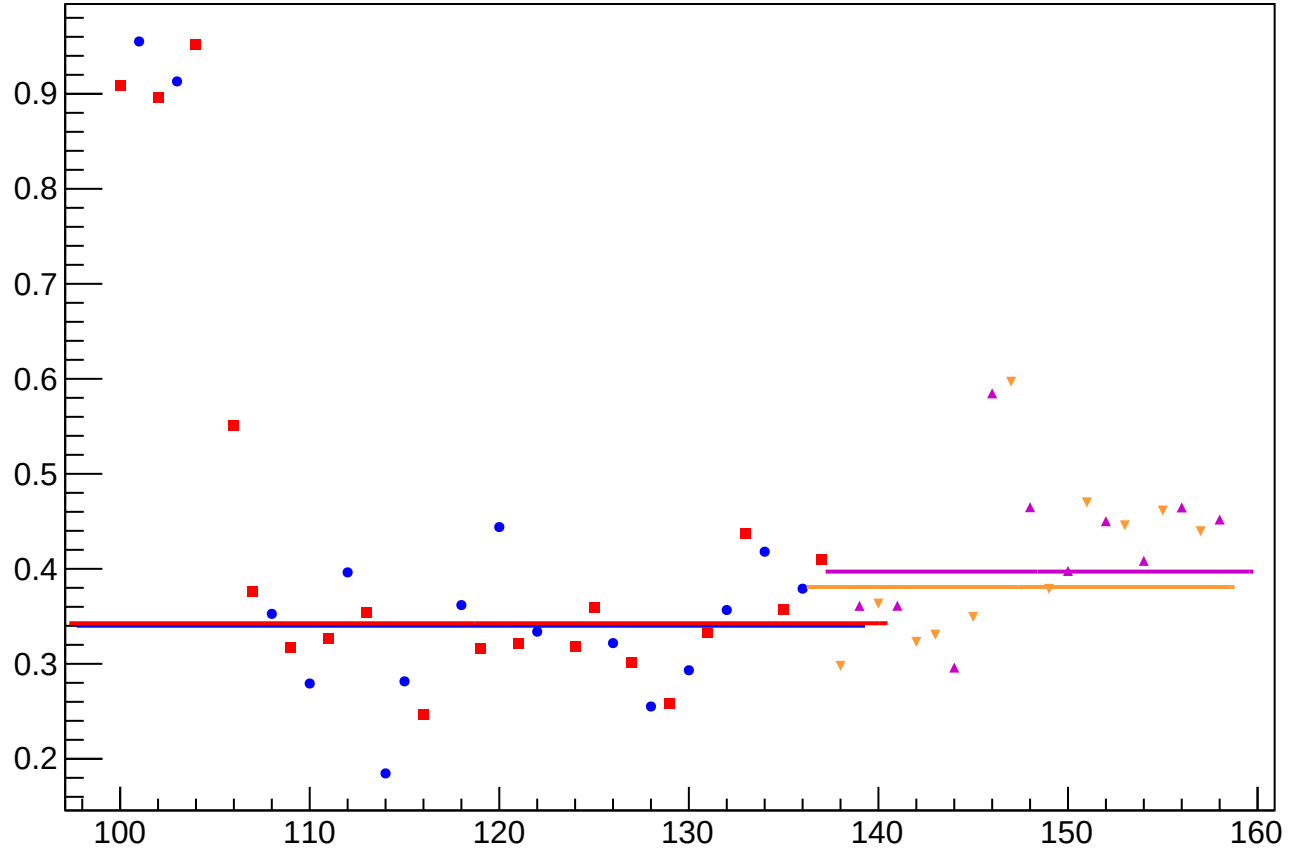
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.648+/-0.000 χ^2/NDF:4328570362.8/25

Out: 147.450+/-0.000 χ^2/NDF:4293043417.7/29

All: 147.057+/-0.000 χ^2/NDF: 8655059336.9

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.381+/-0.000 χ^2/NDF:558169.4/10

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.397+/-0.000 χ^2/NDF:518174.7/9

Left: 0.389+/-0.000 χ^2/NDF: 1090175.3/20

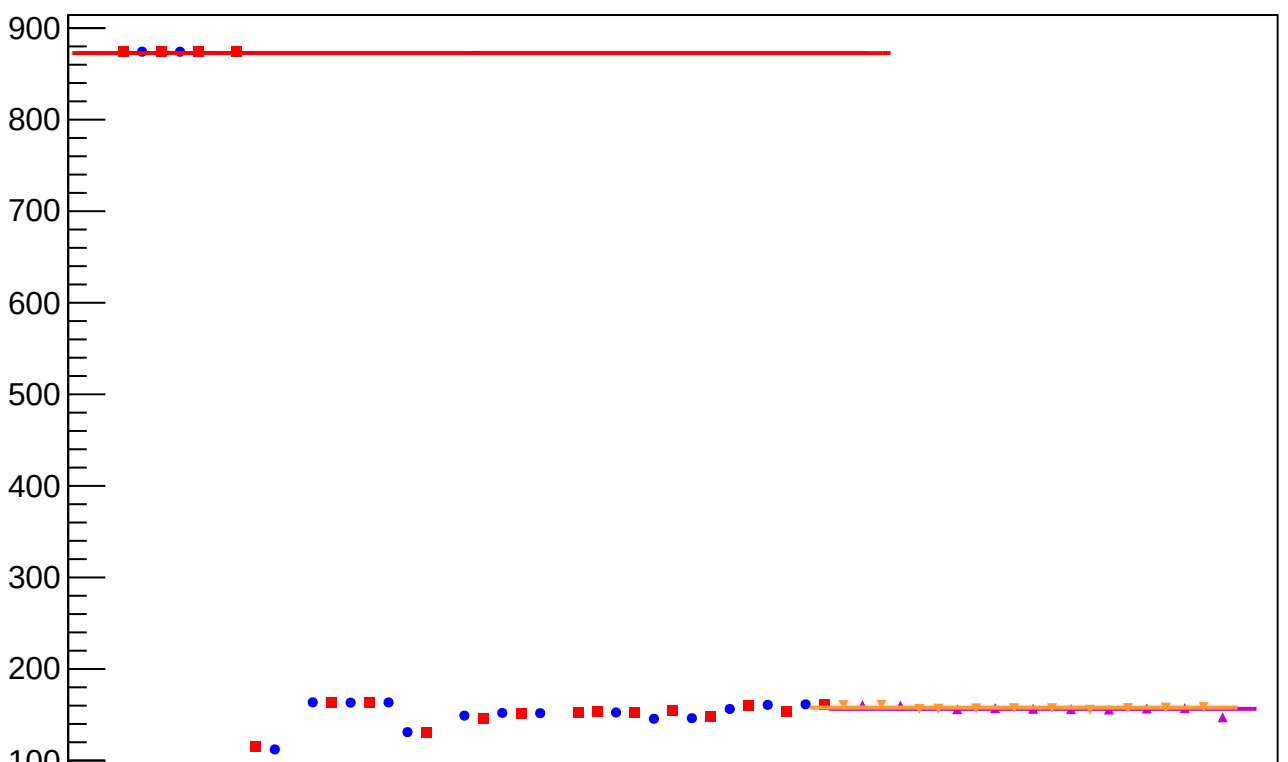
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.368+/-0.000 χ^2/NDF:2076697.0/25

Out: 0.362+/-0.000 χ^2/NDF:1906221.3/29

All: 0.365+/-0.000 χ^2/NDF: 3986910.1/55

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.869+/-0.000 χ^2/NDF:40989878.8/10

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.490+/-0.000 χ^2/NDF:163732811.1/9

Left: 157.167+/-0.000 χ^2/NDF: 217611099.7/20

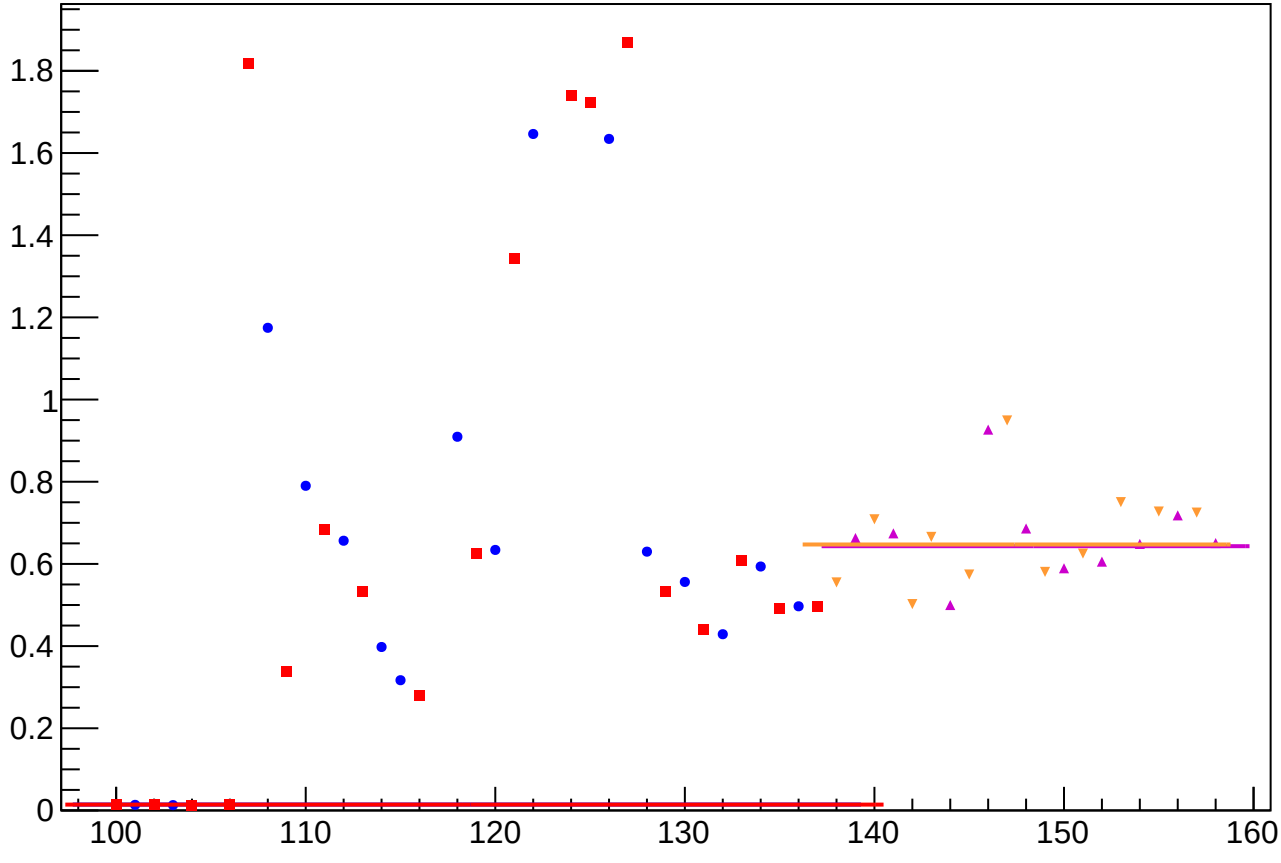
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 871.437+/-0.000 χ^2/NDF:14261303357929.4/2

Out: 871.519+/-0.000 χ^2/NDF:15953519731990.9

All: 871.481+/-0.000 χ^2/NDF: 30214849147

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.647+/-0.000 χ^2/NDF:269525.8/10

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.643+/-0.000 χ^2/NDF:217269.3/9

Left: 0.645+/-0.000 χ^2/NDF: 487028.4/20

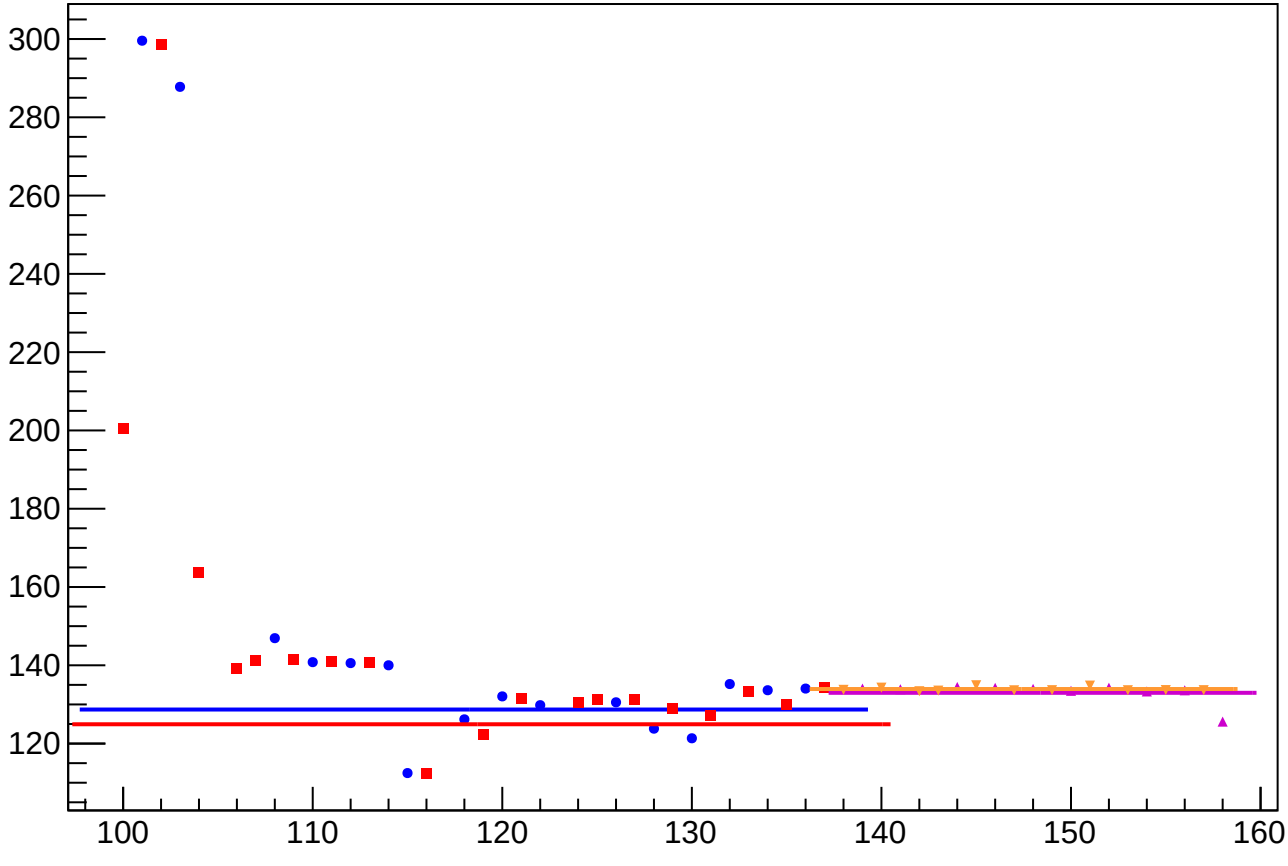
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:20732951.5/25

Out: 0.015+/-0.000 χ^2/NDF:20324761.5/29

All: 0.015+/-0.000 χ^2/NDF: 41058558.5/55

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.940+/-0.000 χ^2/NDF:10123061.3/10

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 132.970+/-0.000 χ^2/NDF:239629662.0/9

Left: 133.464+/-0.000 χ^2/NDF: 265716493.7/20

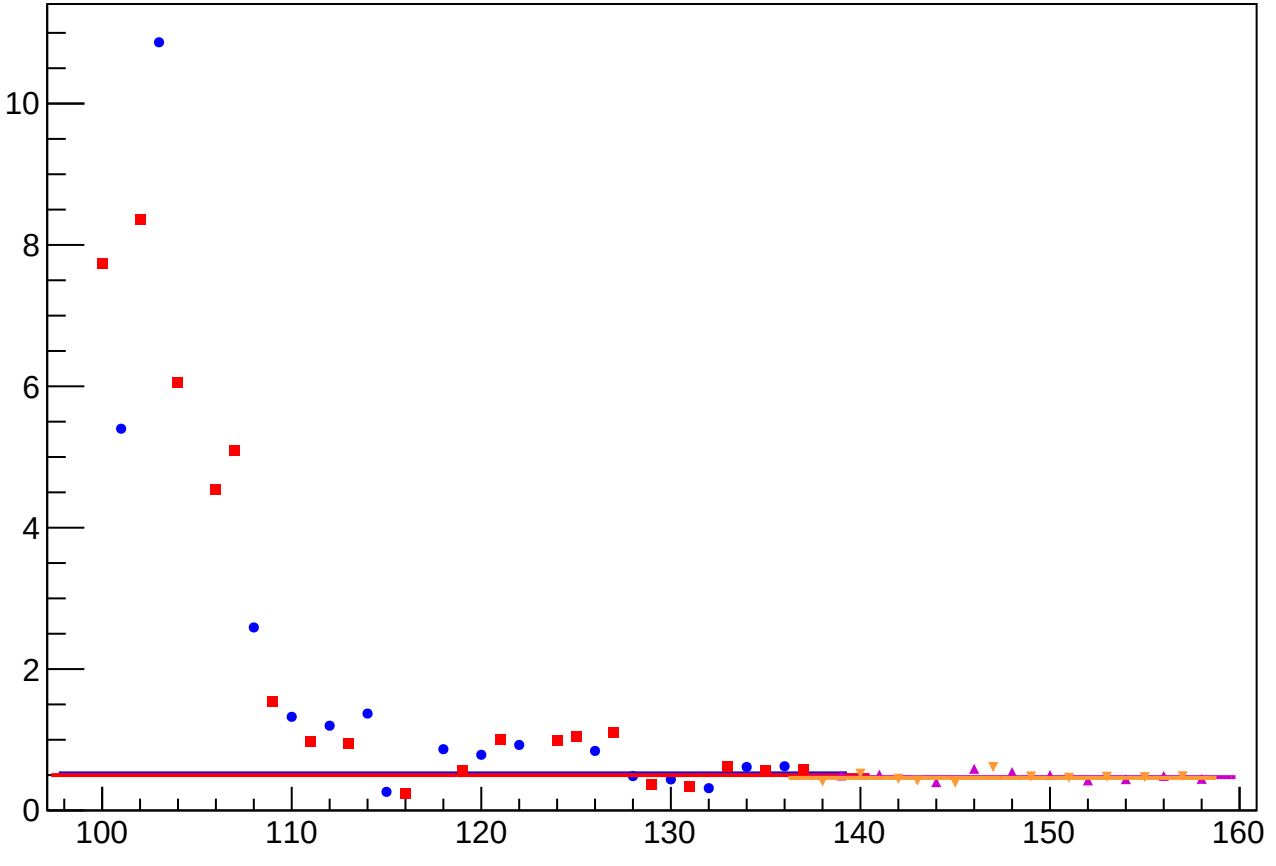
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 131.749+/-0.000 χ^2/NDF:2069795612.7/25

Out: 131.341+/-0.000 χ^2/NDF:2217358074.7/29

All: 131.541+/-0.000 χ^2/NDF: 4291124542.6

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.460+/-0.000 χ^2/NDF:189280.7/10

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.471+/-0.000 χ^2/NDF:188440.9/9

Left: 0.466+/-0.000 χ^2/NDF: 381734.1/20

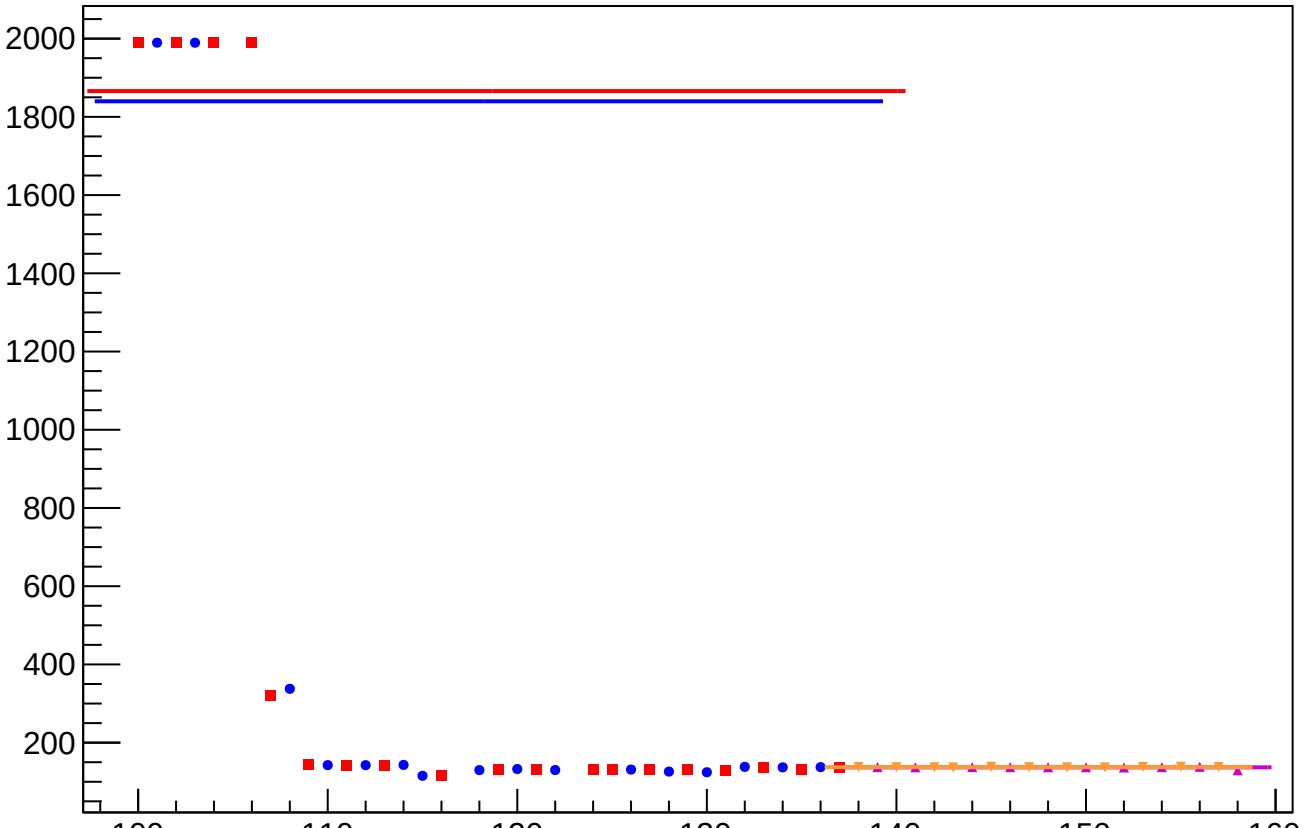
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.486+/-0.000 χ^2/NDF:4379870.2/25

Out: 0.472+/-0.000 χ^2/NDF:5105445.4/29

All: 0.479+/-0.000 χ^2/NDF: 9495171.5/55

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.364+/-0.000 χ^2/NDF:20752700.2/10

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 136.885+/-0.000 χ^2/NDF:196789375.8/9

Left: 137.136+/-0.000 χ^2/NDF: 223689476.4/20

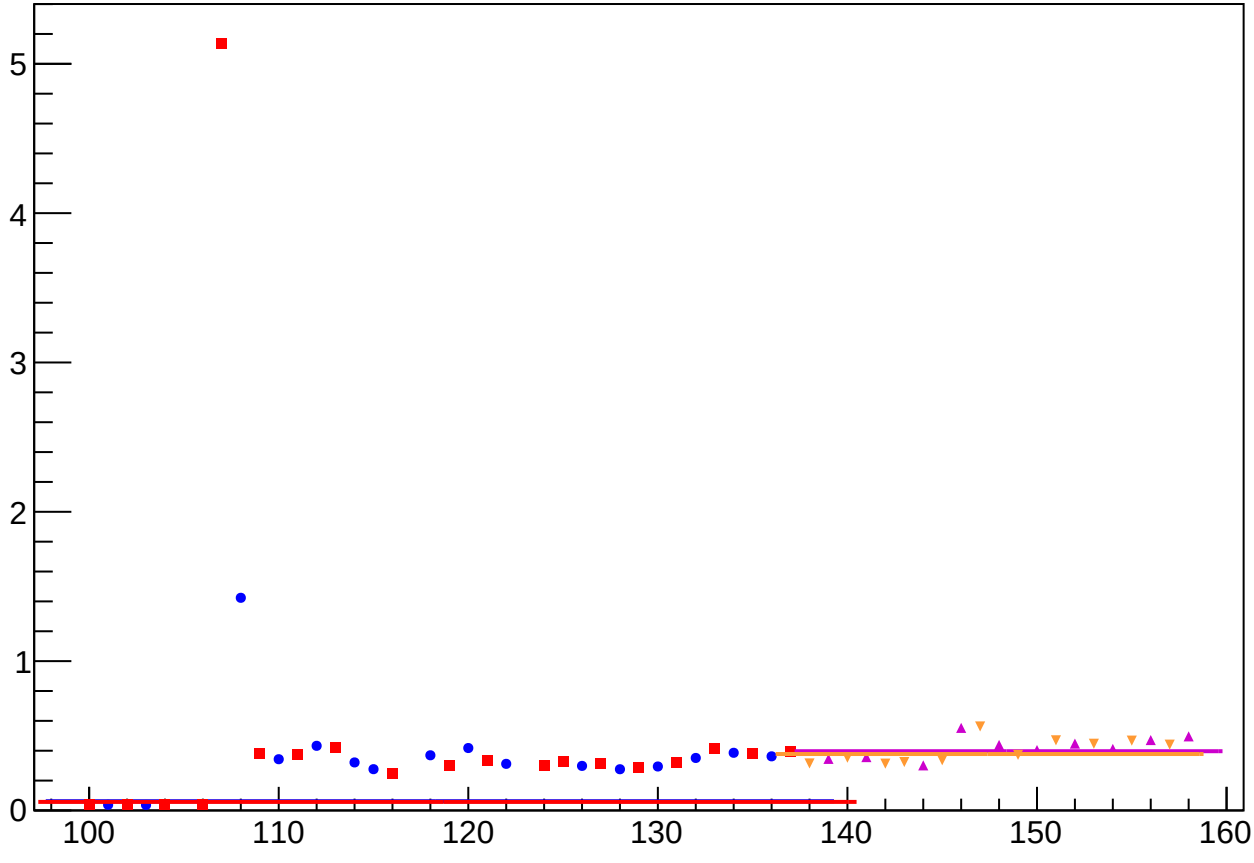
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1699.304+/-0.000 χ^2/NDF:282349990858700.

Out: 1731.313+/-0.000 χ^2/NDF:297774176090168

All: 1716.506+/-0.000 χ^2/NDF: 5804664564

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.378+/-0.000 χ^2/NDF:525055.7/10

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.397+/-0.000 χ^2/NDF:507074.0/9

Left: 0.387+/-0.000 χ^2/NDF: 1051189.3/20

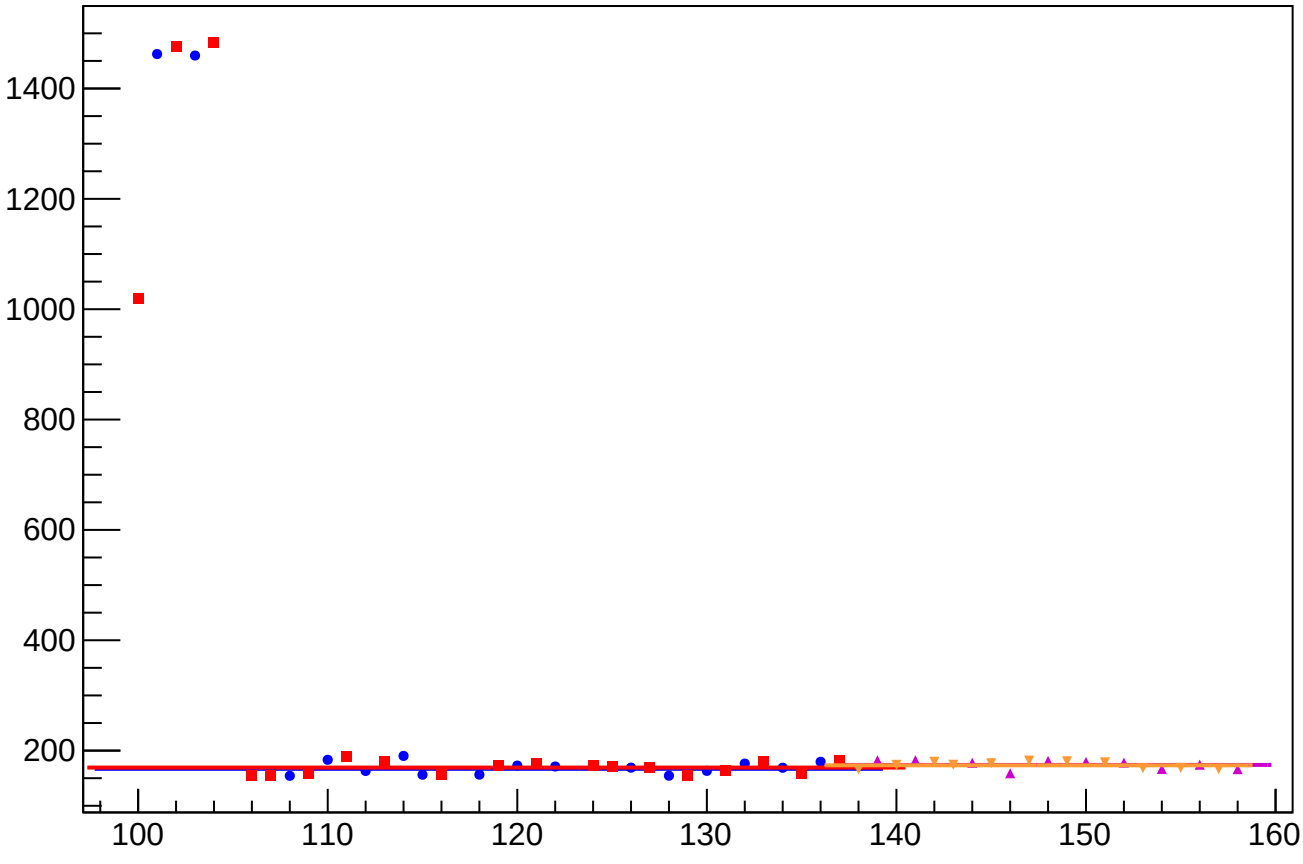
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.089+/-0.000 χ^2/NDF:19239469.8/25

Out: 0.082+/-0.000 χ^2/NDF:18931984.0/29

All: 0.086+/-0.000 χ^2/NDF: 38205547.5/55

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 173.356+/-0.000 χ^2/NDF:257946600.8/10

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 174.038+/-0.000 χ^2/NDF:484355991.4/9

Left: 173.691+/-0.000 χ^2/NDF: 744112795.0/20

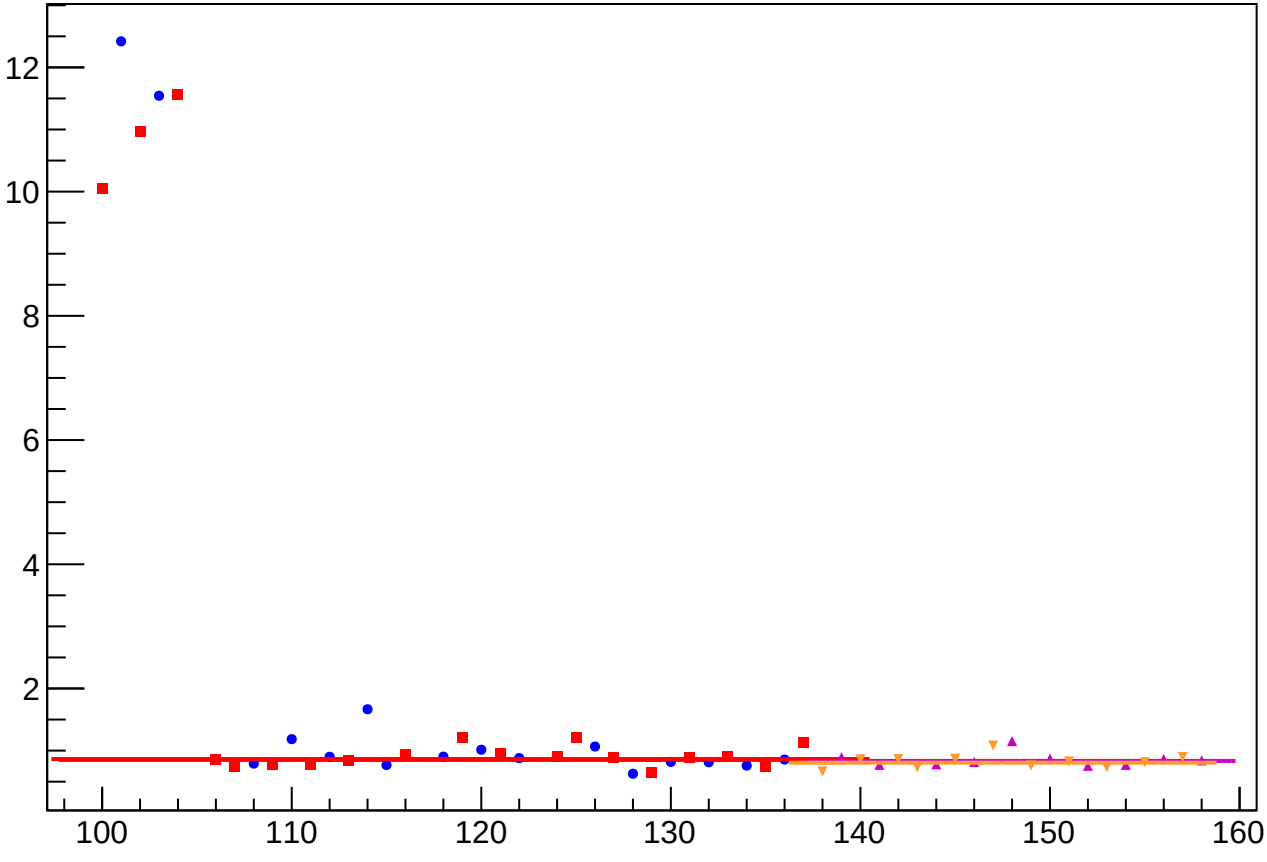
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.167+/-0.000 χ^2/NDF:15253638754.2/25

Out: 171.685+/-0.000 χ^2/NDF:16629707488.4/29

All: 171.430+/-0.000 χ^2/NDF: 31885110599.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.806+/-0.000 χ^2/NDF:155869.5/10

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.834+/-0.000 χ^2/NDF:131351.9/9

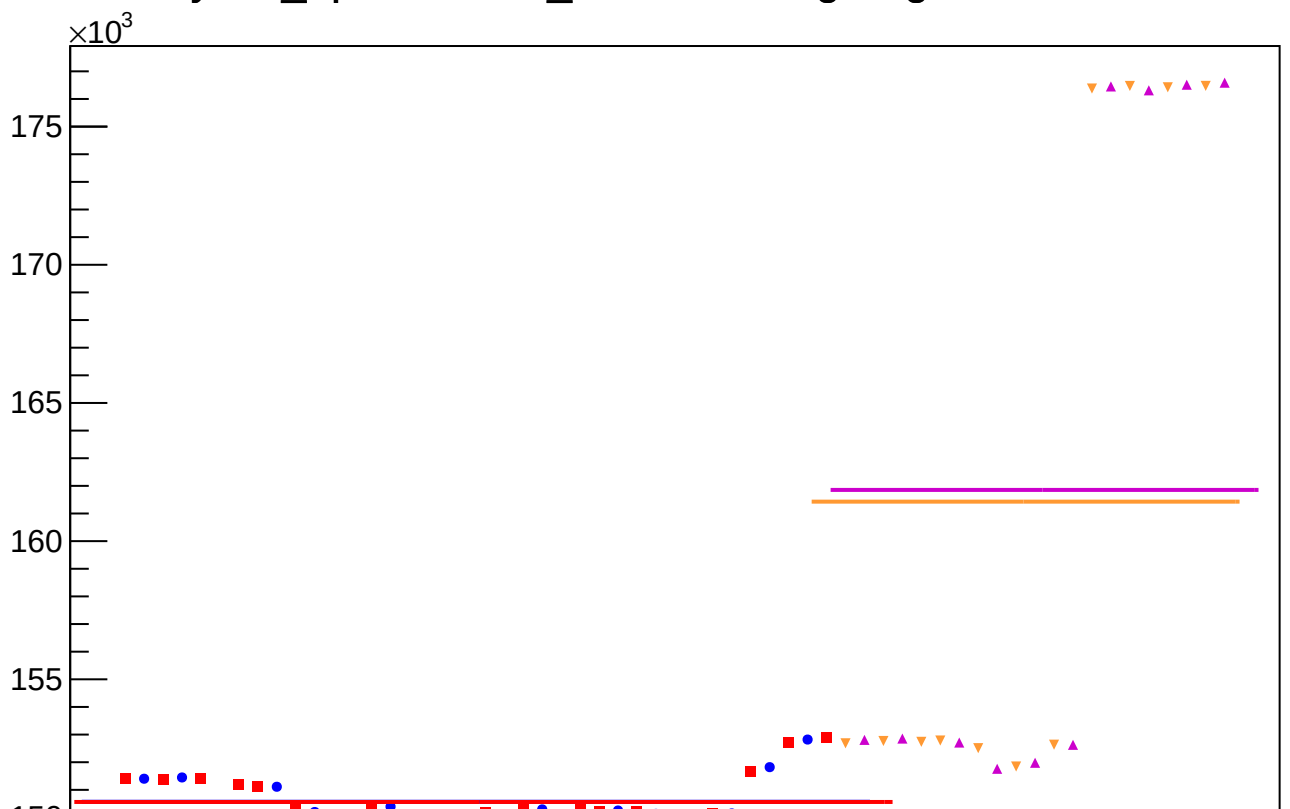
Left: 0.819+/-0.000 χ^2/NDF: 293327.1/20

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

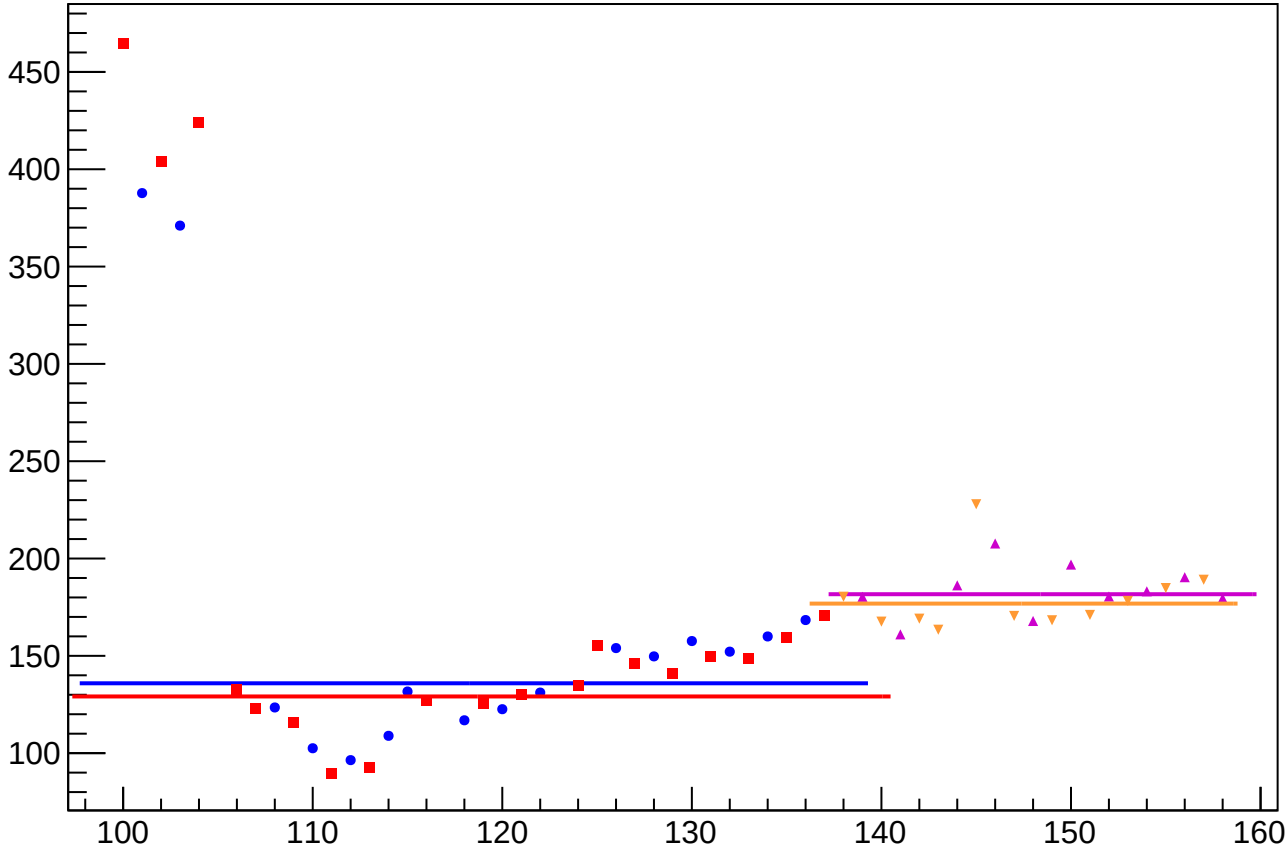
In: 0.842+/-0.000 χ^2/NDF:2435975.2/25

Out: 0.830+/-0.000 χ^2/NDF:2387276.8/29

All: 0.835+/-0.000 χ^2/NDF: 4825144.5/55


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 161429.102+/-0.061 χ²/NDF:36026306952.4/10
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 161853.384+/-0.062 χ²/NDF:35411715011.6/9
Left: 161636.446+/-0.043 χ²/NDF: 71461818132.2
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 155481.536+/-0.041 χ²/NDF:54238708338.3/2
Out: 155047.960+/-0.039 χ²/NDF:54981803901.9
All: 155254.093+/-0.028 χ²/NDF: 10927907

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.838+/-0.043 χ^2/NDF:117417.3/10

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.667+/-0.044 χ^2/NDF:82765.6/9

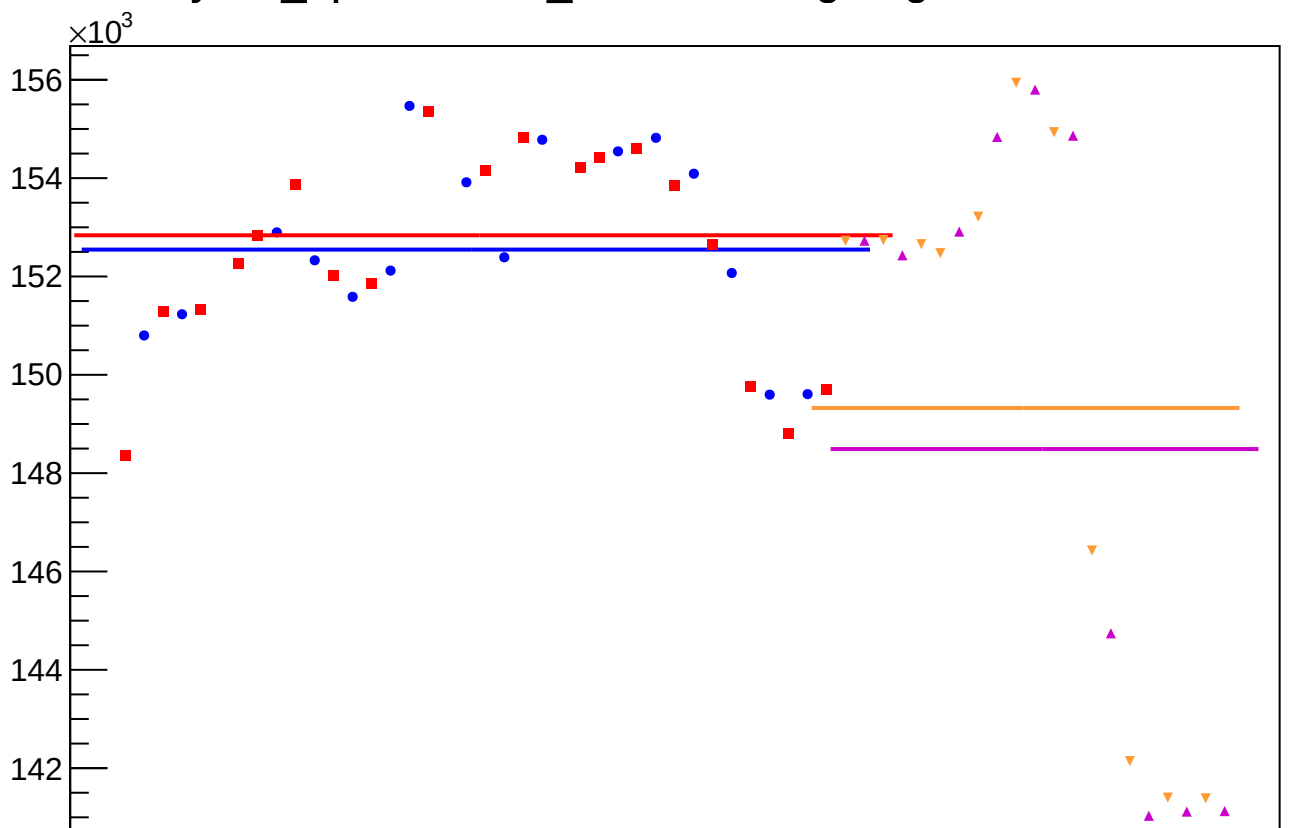
Left: 179.198+/-0.031 χ^2/NDF: 206347.6/20

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 155.823+/-0.029 χ^2/NDF:2110742.9/25

Out: 148.825+/-0.028 χ^2/NDF:2454724.7/29

All: 152.152+/-0.020 χ^2/NDF: 4595975.2/55



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 149326.151+/-0.068 χ^2/NDF:6089933428.5/10

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 148490.356+/-0.069 χ^2/NDF:7338943075.0/9

Left: 148915.213+/-0.048 χ^2/NDF: 13503435521.5

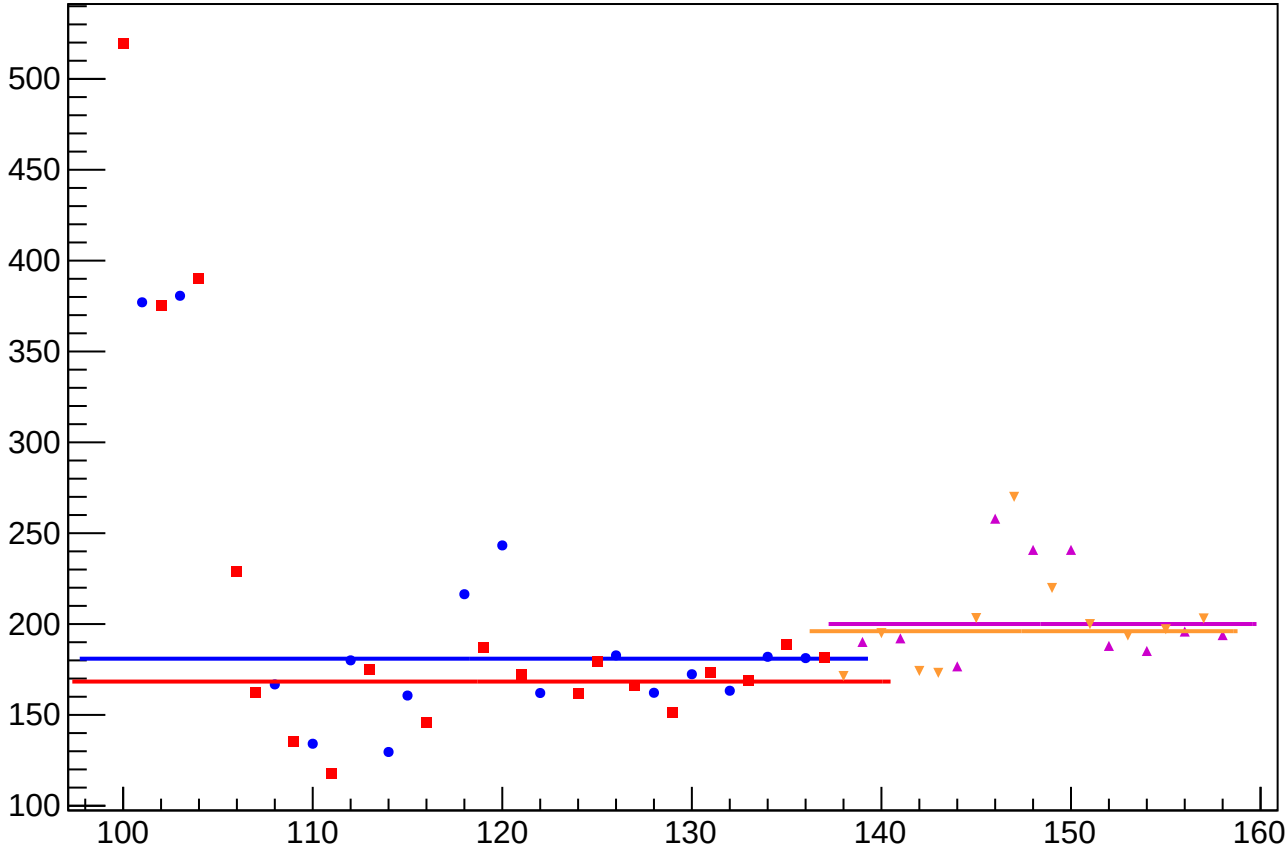
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 150415.470+/-0.050 χ^2/NDF:9633208404.9/25

Out: 151113.642+/-0.048 χ^2/NDF:8189510224.2/2

All: 150782.186+/-0.034 χ^2/NDF: 17925032

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 196.073+/-0.048 χ^2/NDF:219550.5/10

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.024+/-0.049 χ^2/NDF:244281.5/9

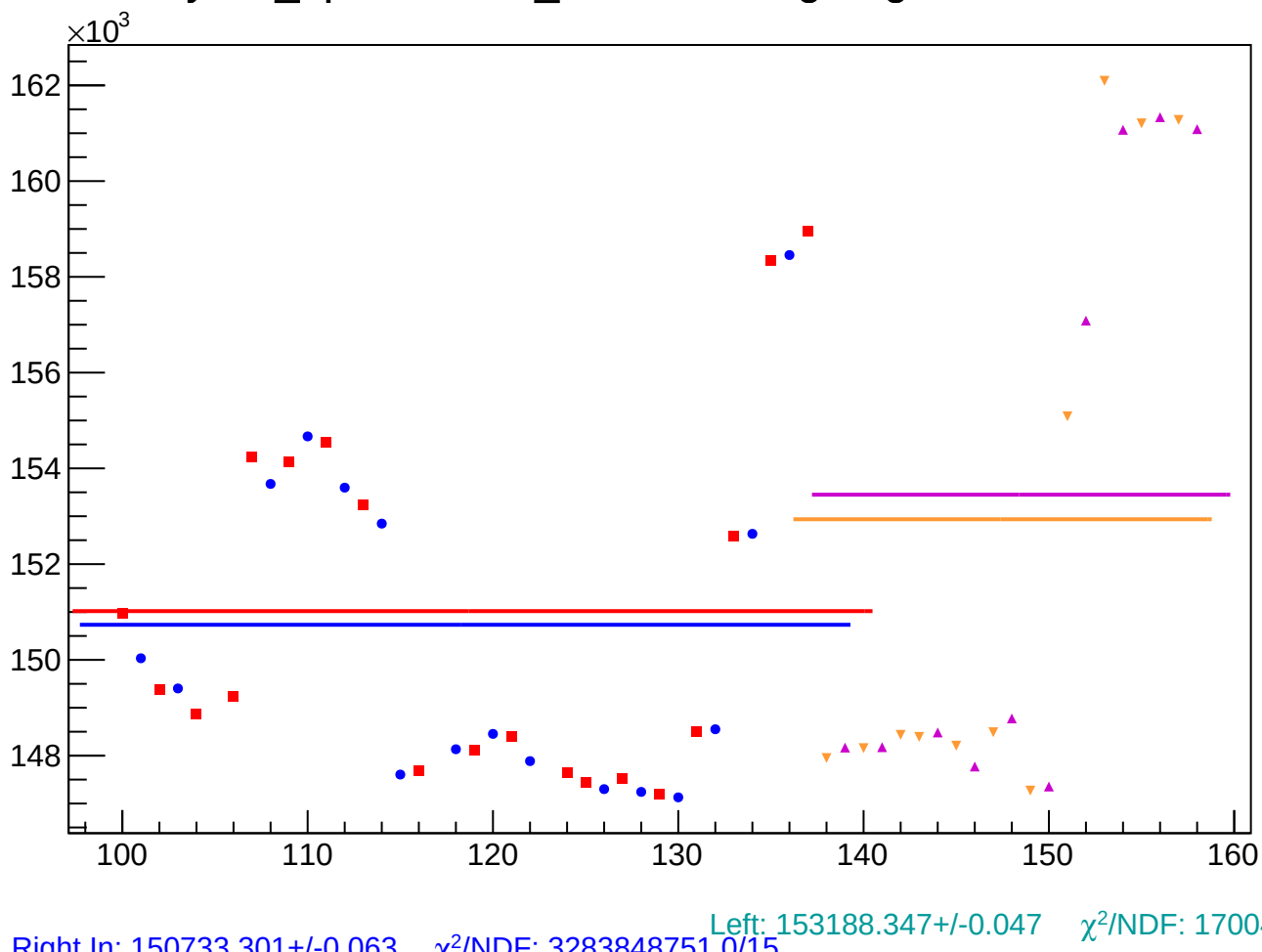
Left: 198.015+/-0.034 χ^2/NDF: 467163.9/20

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.966+/-0.035 χ^2/NDF:1224630.2/25

Out: 181.961+/-0.034 χ^2/NDF:1478496.4/29

All: 186.236+/-0.024 χ^2/NDF: 2737168.1/55



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 152937.199+/-0.065 χ^2/NDF:8678007273.3/10

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 153450.682+/-0.067 χ^2/NDF:8296345019.0/9

Left: 153188.347+/-0.047 χ^2/NDF: 17004570903.3

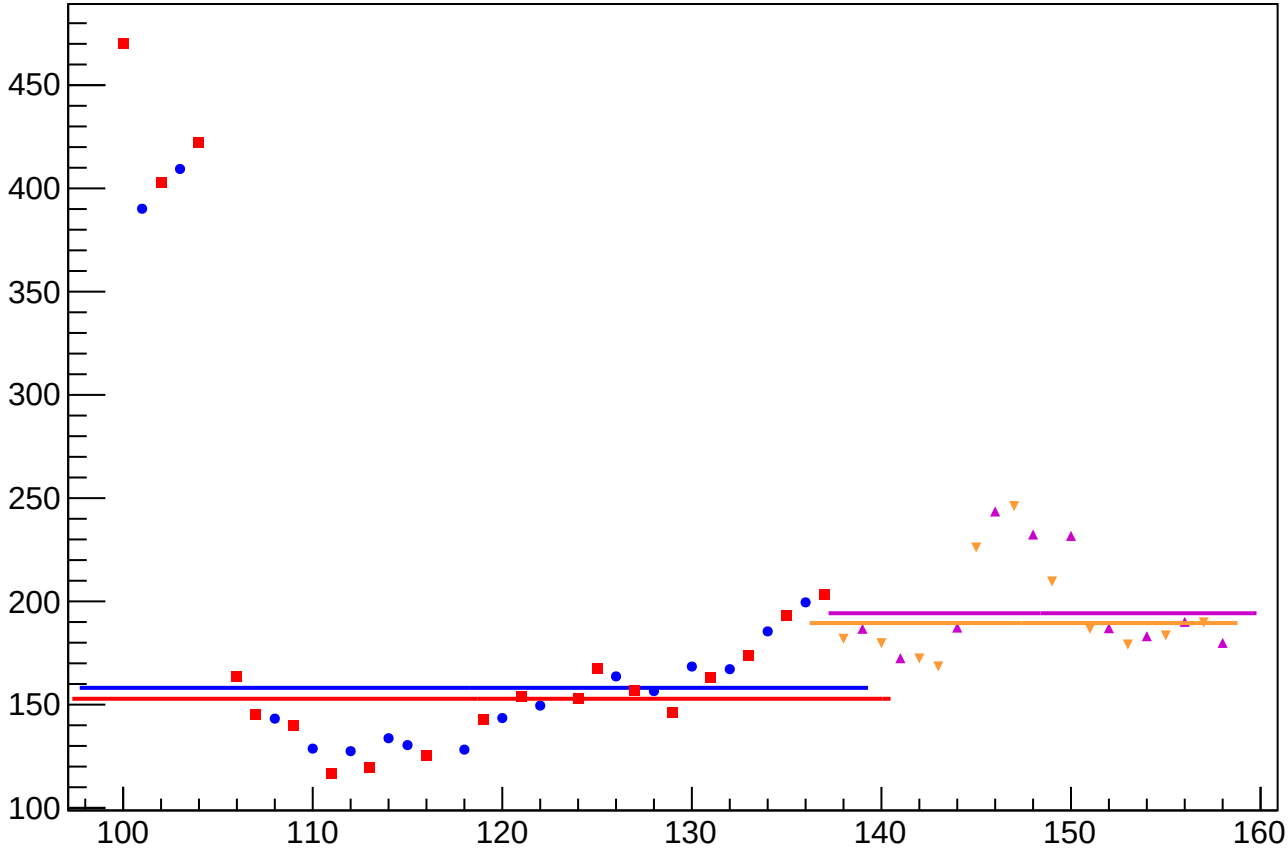
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 152011.020+/-0.046 χ^2/NDF:12457806024.5/2

Out: 151897.331+/-0.044 χ^2/NDF:12431663433.5

All: 151952.192+/-0.032 χ^2/NDF: 24892660

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 189.513+/-0.046 χ^2/NDF:192560.7/10

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 194.265+/-0.047 χ^2/NDF:216917.4/9

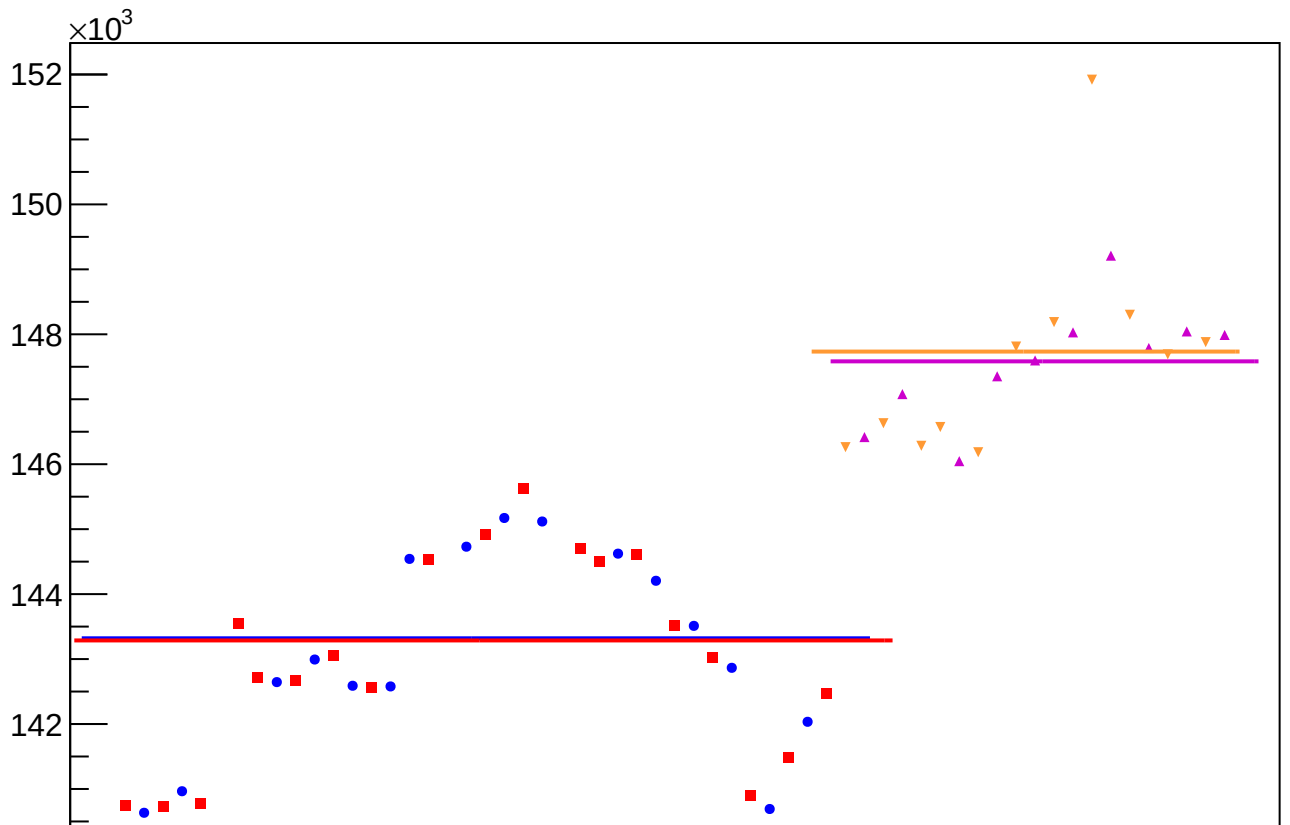
Left: 191.837+/-0.033 χ^2/NDF: 414654.7/20

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 175.125+/-0.032 χ^2/NDF:1722864.0/25

Out: 169.638+/-0.031 χ^2/NDF:1798374.0/29

All: 172.286+/-0.022 χ^2/NDF: 3536102.5/55



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147734.107+/-0.062 χ^2/NDF:669295053.2/10

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147583.452+/-0.063 χ^2/NDF:194750544.9/9

Left: 147659.950+/-0.045 χ^2/NDF: 866909725.7/20

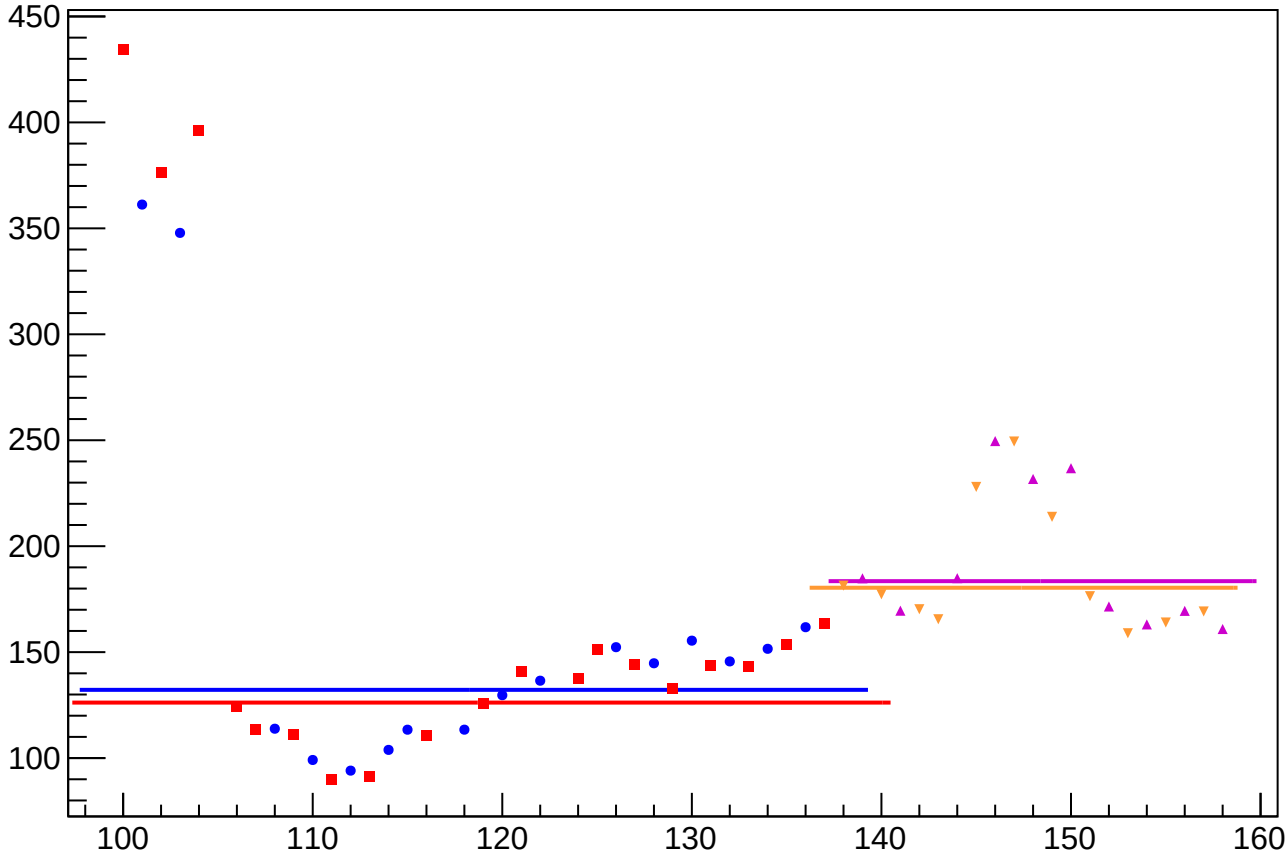
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145077.346+/-0.041 χ^2/NDF:3409600098.5/25

Out: 145011.500+/-0.039 χ^2/NDF:4393823441.1/2

All: 145042.906+/-0.028 χ^2/NDF: 78047906

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 180.394+/-0.044 χ^2/NDF:305451.8/10

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 183.501+/-0.045 χ^2/NDF:376093.0/9

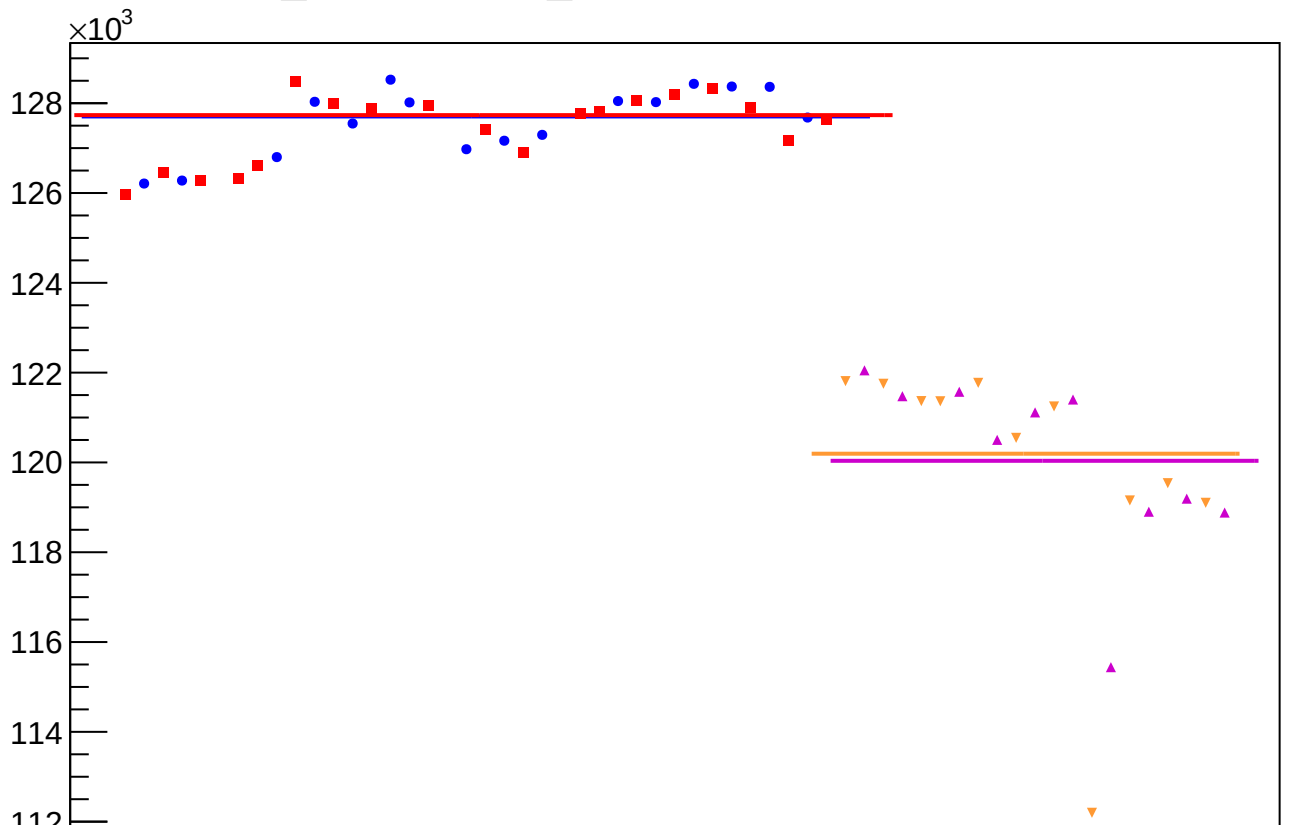
Left: 181.923+/-0.031 χ^2/NDF: 683981.1/20

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 153.350+/-0.029 χ^2/NDF:2523973.3/25

Out: 147.210+/-0.028 χ^2/NDF:2772688.0/29

All: 150.139+/-0.020 χ^2/NDF: 5320438.8/55



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120194.299+/-0.060 χ^2/NDF:1719841963.1/10

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 120036.200+/-0.059 χ^2/NDF:1132661866.3/9

Left: 120113.548+/-0.042 χ^2/NDF: 2856071332.0/2

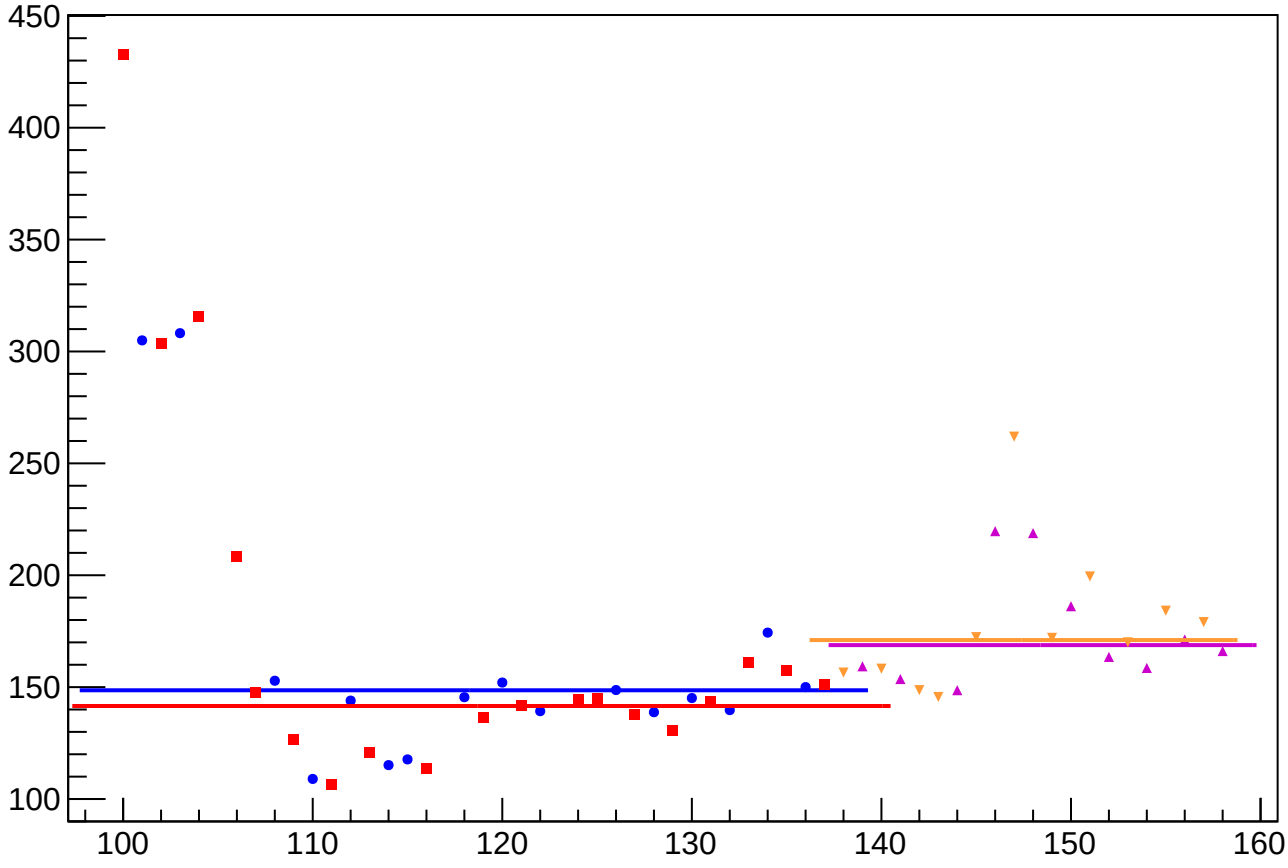
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123879.301+/-0.041 χ^2/NDF:9835367671.4/25

Out: 124286.411+/-0.040 χ^2/NDF:10451460453.2

All: 124087.330+/-0.029 χ^2/NDF: 20336353

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 171.033+/-0.042 χ^2/NDF:329970.5/10

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 168.776+/-0.041 χ^2/NDF:256143.0/9

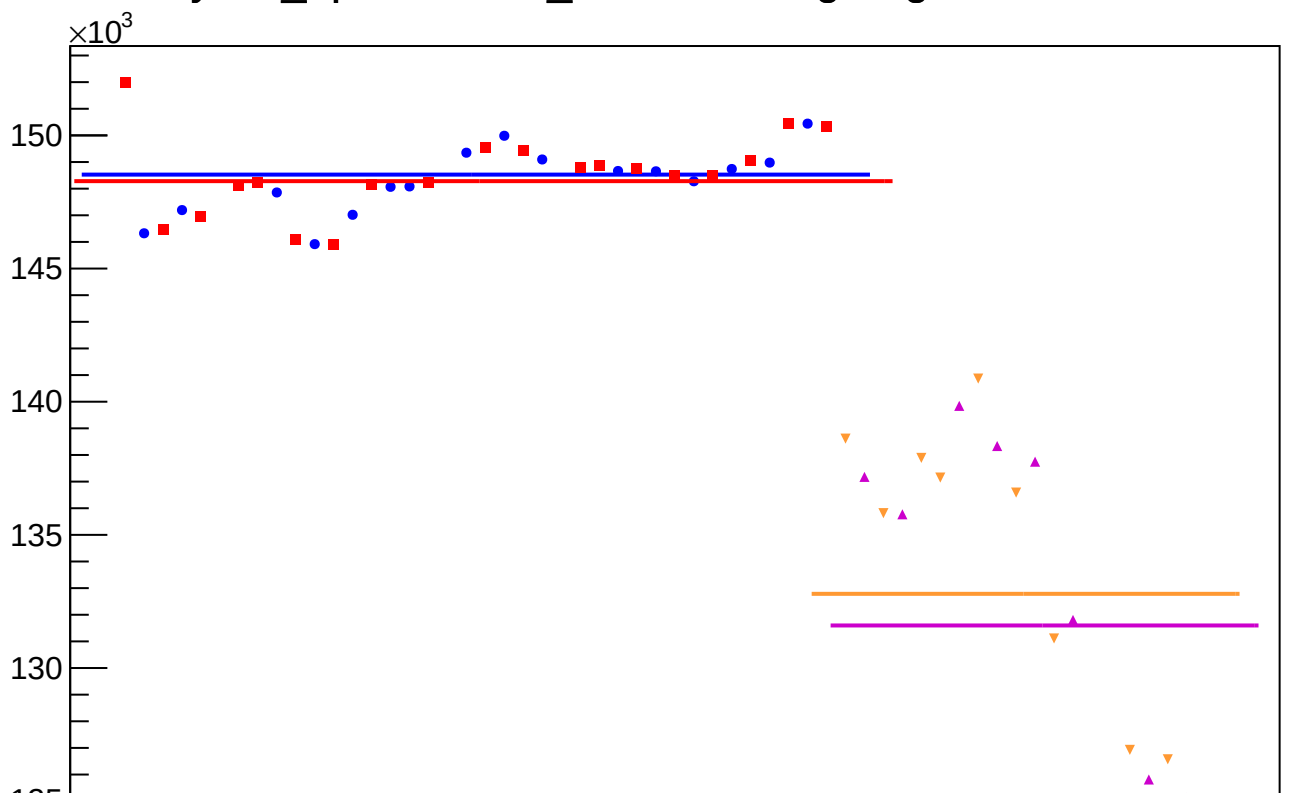
Left: 169.880+/-0.030 χ^2/NDF: 587567.6/20

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 158.662+/-0.029 χ^2/NDF:1202945.4/25

Out: 155.039+/-0.029 χ^2/NDF:1594600.7/29

All: 156.811+/-0.020 χ^2/NDF: 2805387.6/55



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 132785.809+/-0.088 χ^2/NDF:4181590728.1/10

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 131597.965+/-0.086 χ^2/NDF:4913053824.8/9

Left: 132181.061+/-0.061 χ^2/NDF: 9188133404.1/2

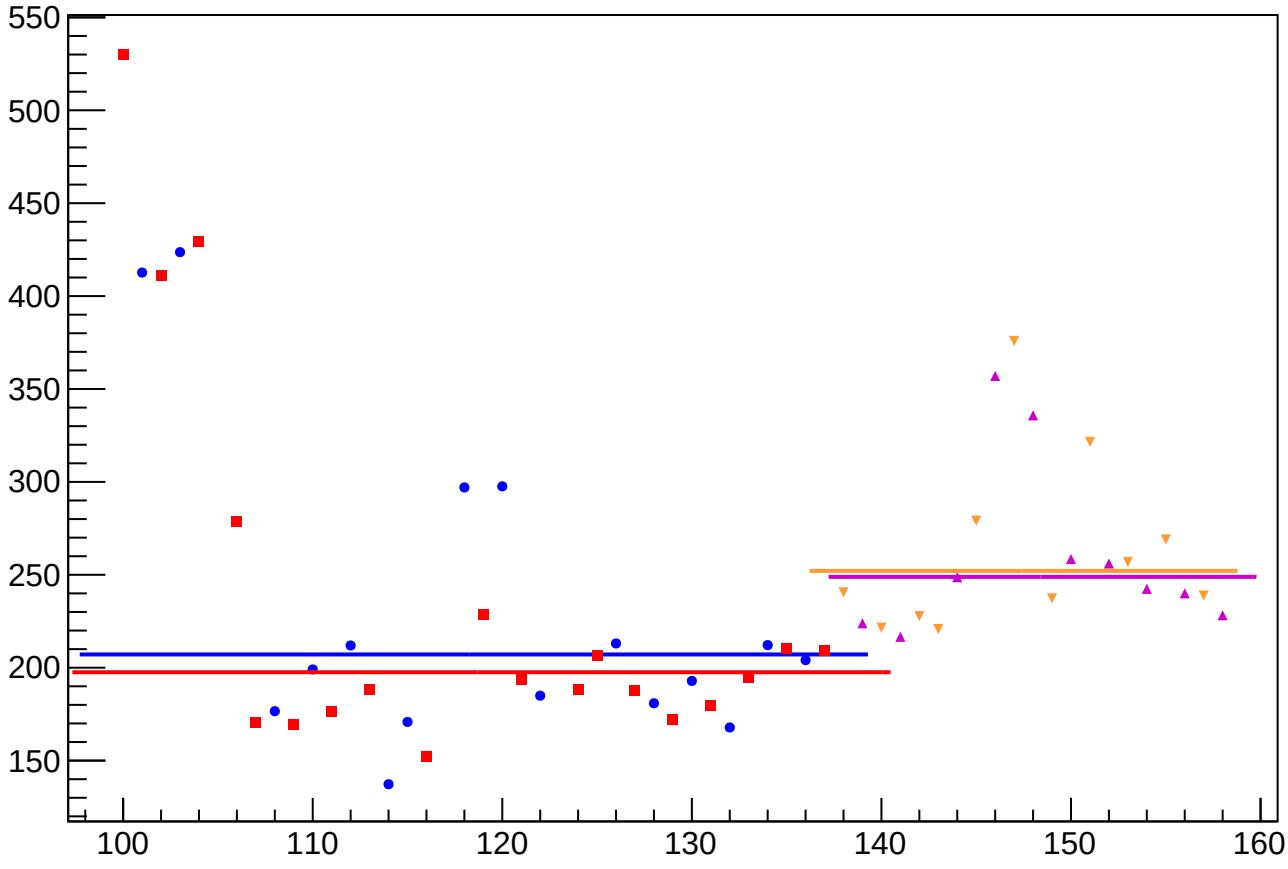
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 140479.066+/-0.059 χ^2/NDF:25416679824.2/2

Out: 141571.818+/-0.058 χ^2/NDF:22195386350.3

All: 141040.992+/-0.041 χ^2/NDF: 47786403

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 252.113+/-0.062 χ^2/NDF:361491.7/10

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 248.893+/-0.061 χ^2/NDF:349392.4/9

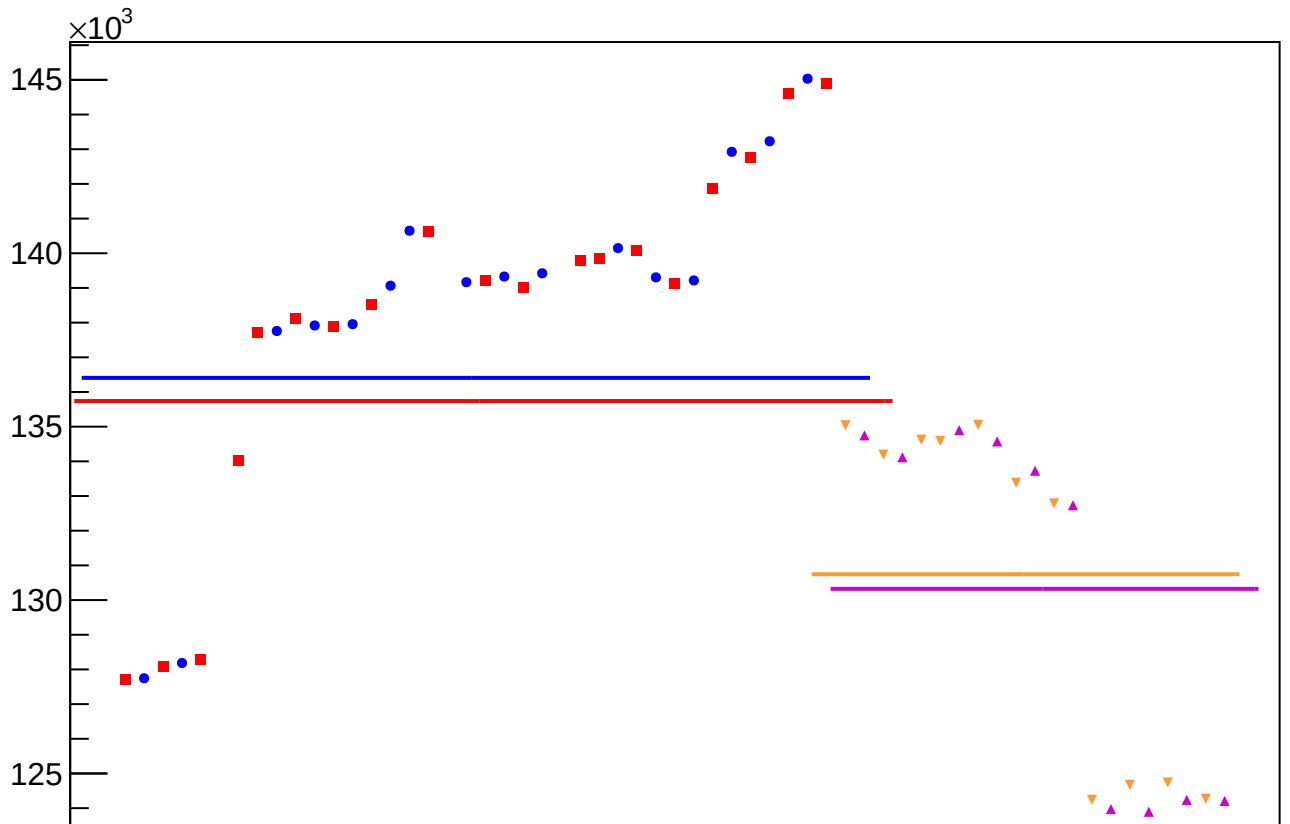
Left: 250.474+/-0.043 χ^2/NDF: 712257.4/20

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 226.988+/-0.042 χ^2/NDF:1568552.5/25

Out: 221.189+/-0.041 χ^2/NDF:1704504.3/29

All: 224.006+/-0.029 χ^2/NDF: 3282875.4/55



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 130745.409+/-0.194 χ^2/NDF:622483690.7/10

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 130324.111+/-0.207 χ^2/NDF:570881289.6/9

Left: 130548.207+/-0.142 χ^2/NDF: 1195564207.9/2

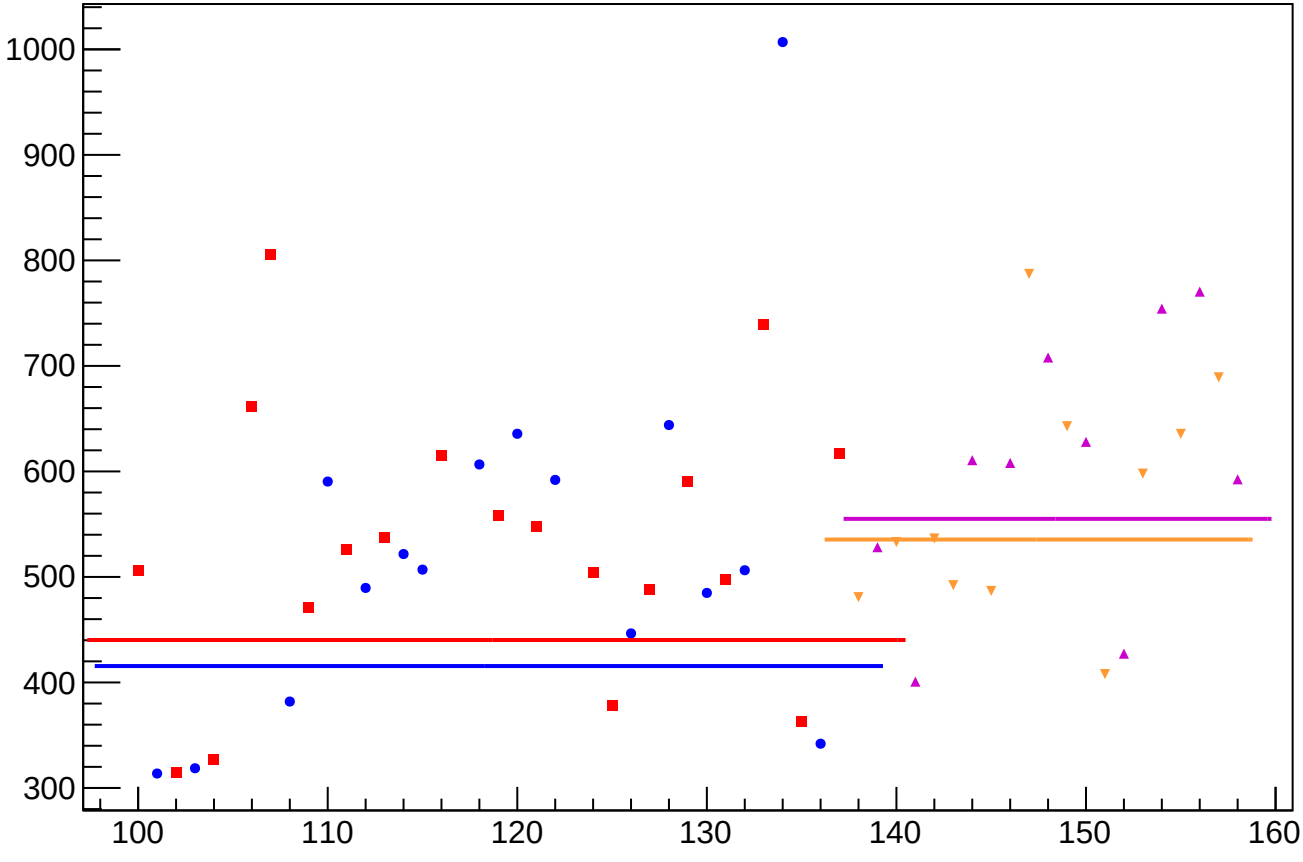
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 133984.118+/-0.131 χ^2/NDF:2666551451.7/25

Out: 133479.453+/-0.131 χ^2/NDF:2157964342.9/2

All: 133731.730+/-0.092 χ^2/NDF: 48319648

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 535.447+/-0.137 χ^2/NDF:503525.1/10

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 555.057+/-0.147 χ^2/NDF:674714.7/9

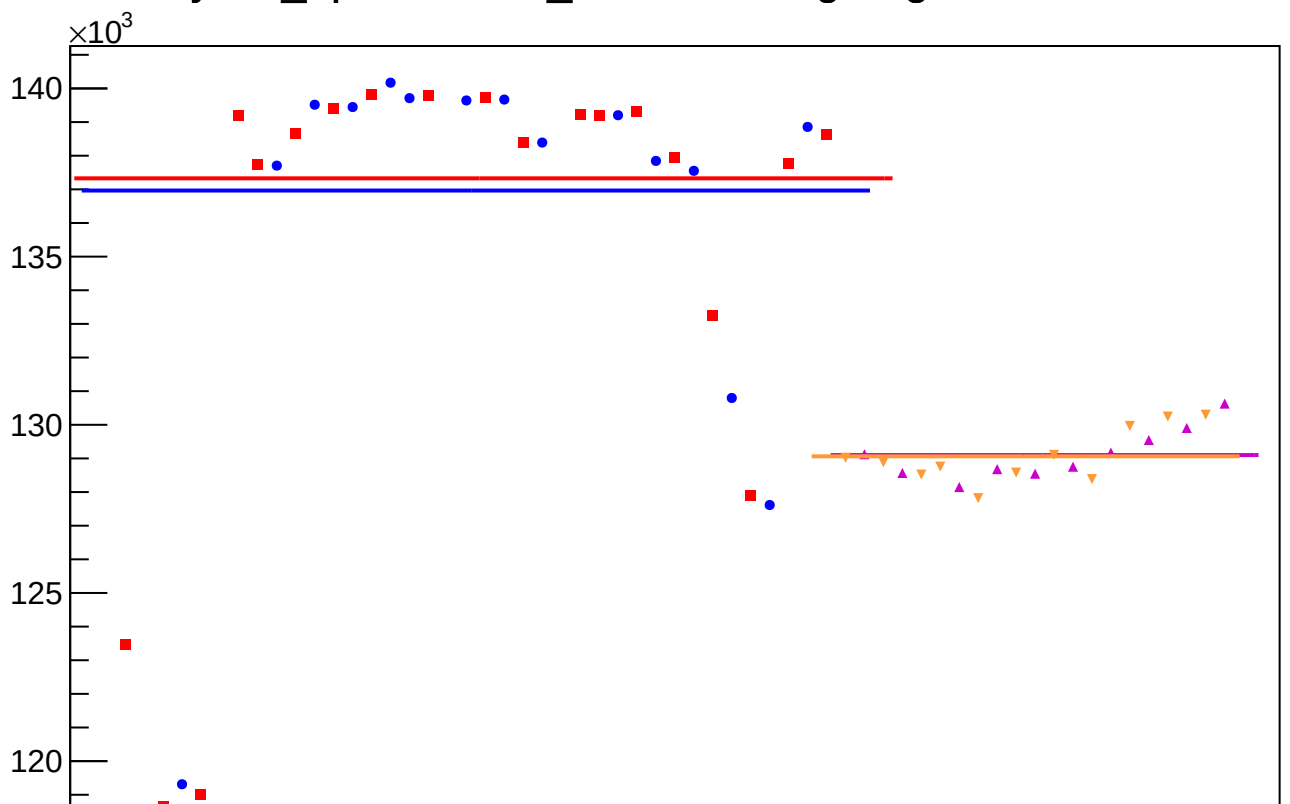
Left: 544.626+/-0.100 χ^2/NDF: 1187769.3/20

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 471.114+/-0.092 χ^2/NDF:2251897.2/25

Out: 483.302+/-0.092 χ^2/NDF:1677211.0/29

All: 477.209+/-0.065 χ^2/NDF: 3937796.5/55



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129062.657+/-0.064 χ^2/NDF:135786900.1/10

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129100.259+/-0.064 χ^2/NDF:125032066.8/9

Left: 129081.363+/-0.045 χ^2/NDF: 260991507.7/20

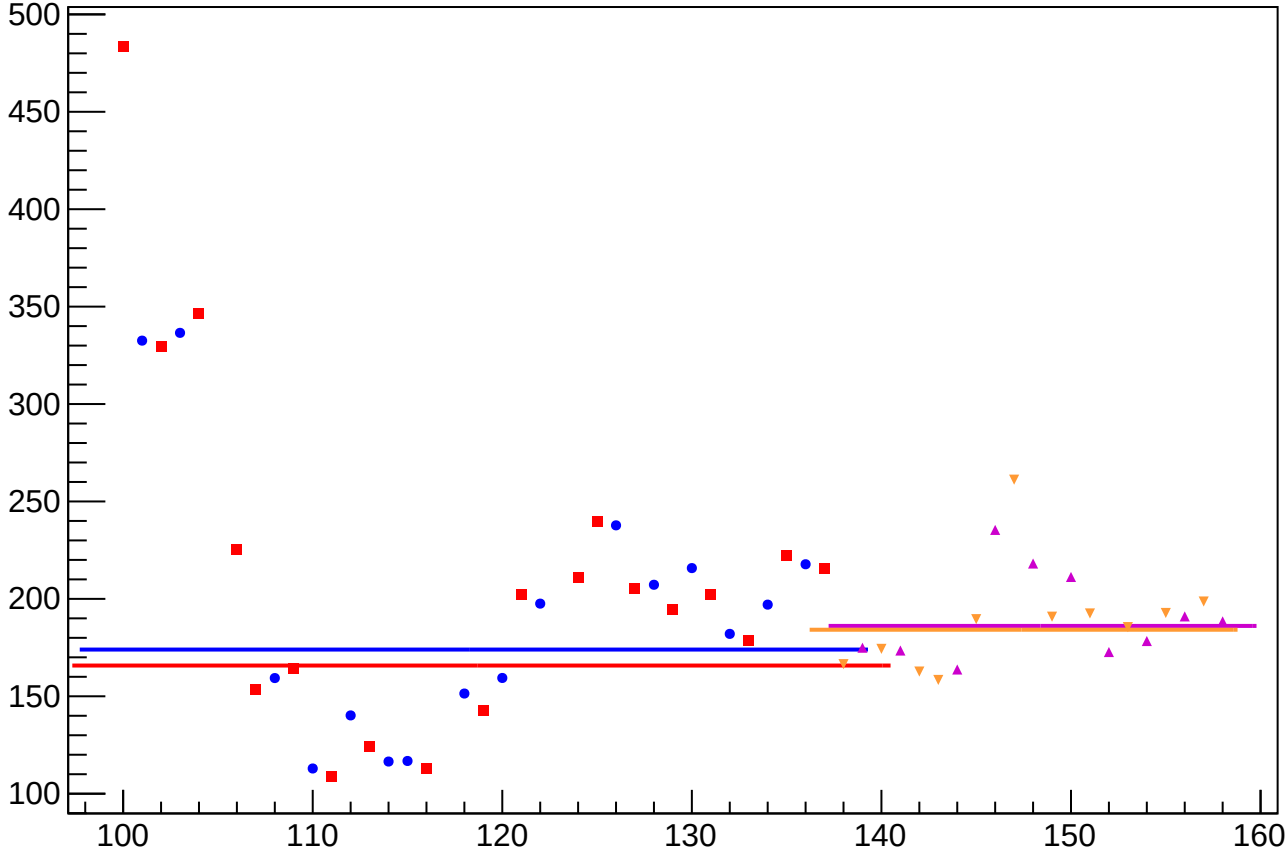
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 132706.896+/-0.047 χ^2/NDF:12820721675.1/2

Out: 133081.512+/-0.046 χ^2/NDF:14021065596.6

All: 132900.062+/-0.033 χ^2/NDF: 26874243

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 184.157+/-0.045 χ^2/NDF:239441.6/10

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.116+/-0.045 χ^2/NDF:200596.8/9

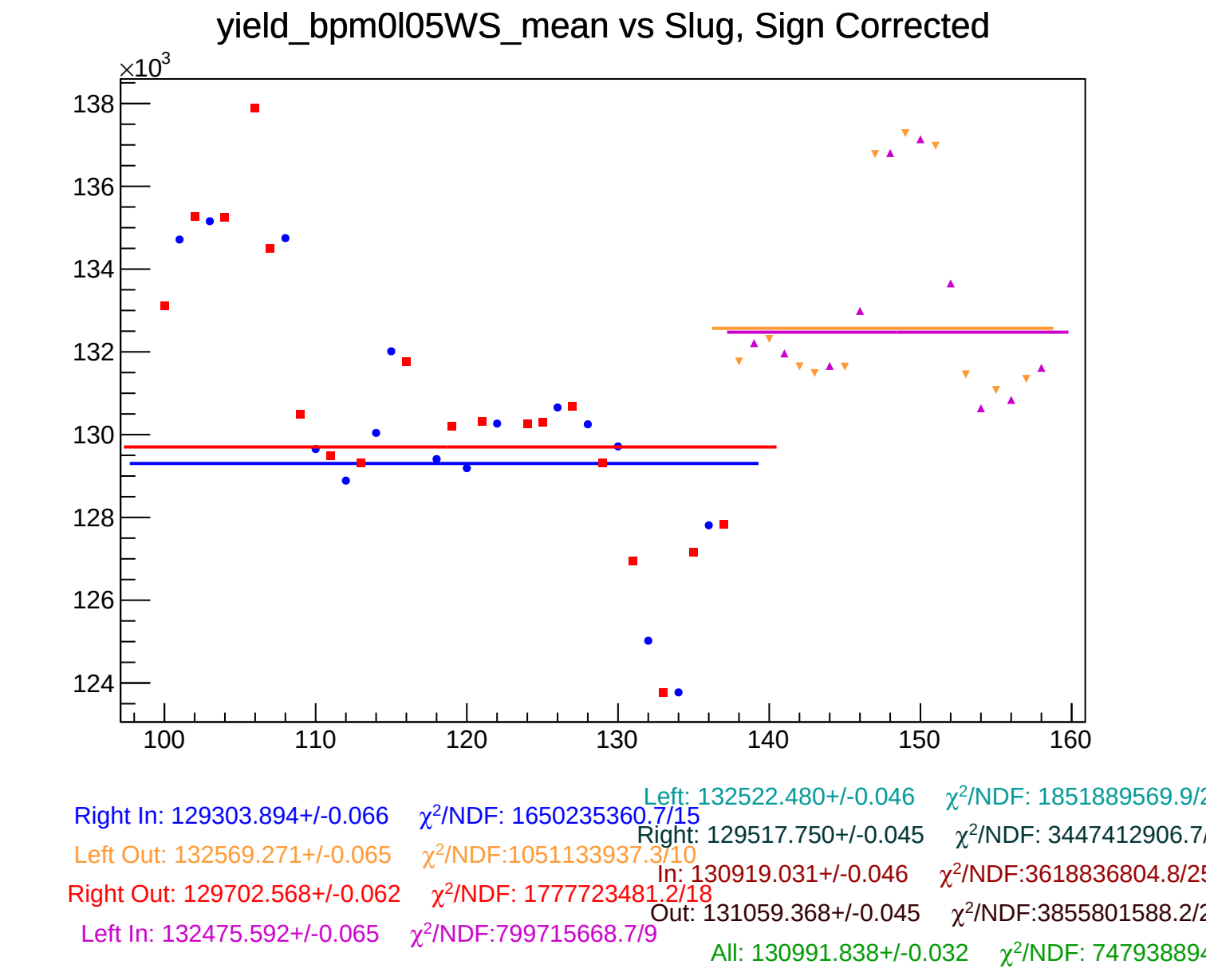
Left: 185.132+/-0.032 χ^2/NDF: 440974.2/20

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

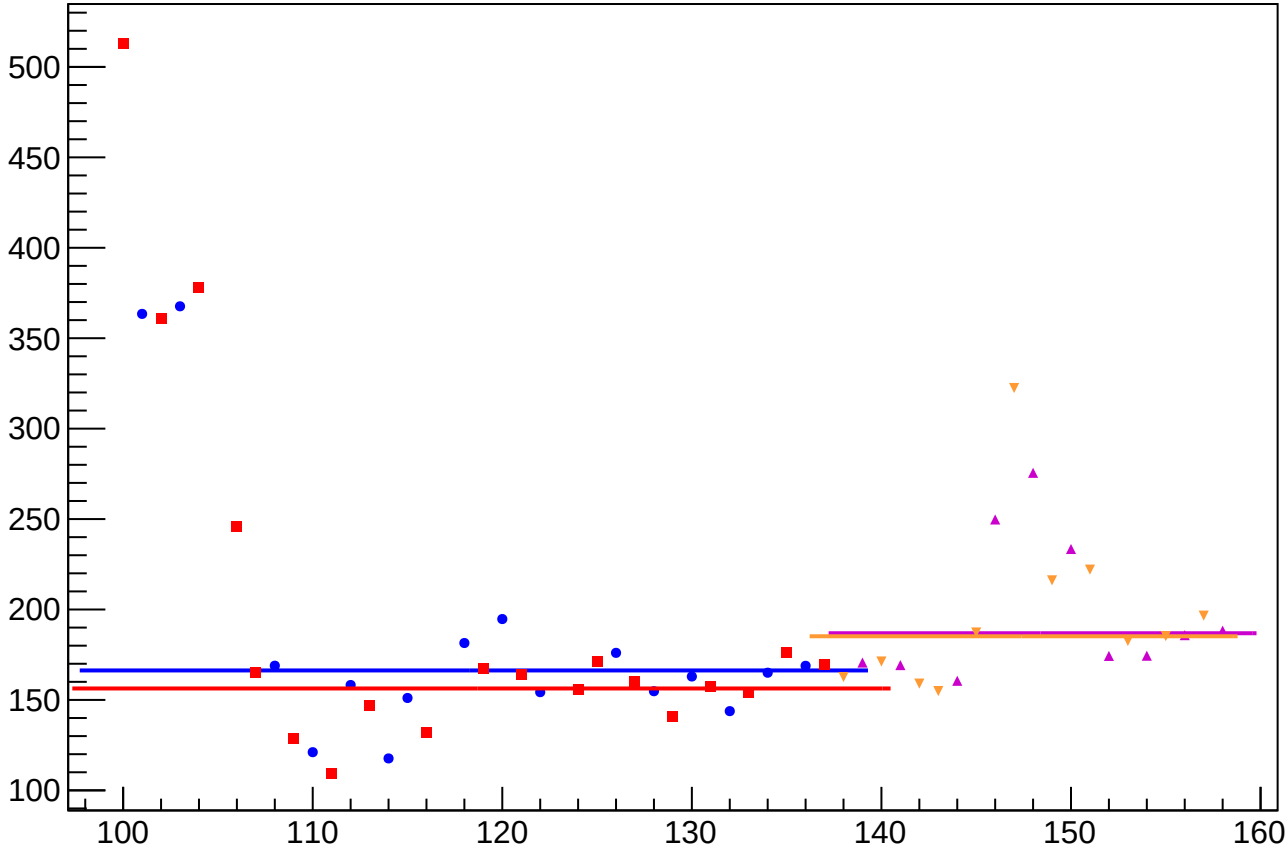
In: 180.551+/-0.033 χ^2/NDF:1421880.4/25

Out: 175.221+/-0.032 χ^2/NDF:1753167.4/29

All: 177.803+/-0.023 χ^2/NDF: 3188186.9/55


yield_bpm0l05WS_mean vs Slug, Sign Corrected
×10^3
138
136
134
132
130
128
126
124
100
110
120
130
140
150
160
Right In: 129303.894+/-0.066 χ²/NDF: 1650235360.7/15
Left Out: 132569.271+/-0.065 χ²/NDF:1051133937.3/10
Right Out: 129702.568+/-0.062 χ²/NDF: 1777723481.2/18
Left In: 132475.592+/-0.065 χ²/NDF:799715668.7/9
Left: 132522.480+/-0.046 χ²/NDF: 1851889569.9/2
Right: 129517.750+/-0.045 χ²/NDF: 3447412906.7/
In: 130919.031+/-0.046 χ²/NDF:3618836804.8/25
Out: 131059.368+/-0.045 χ²/NDF:3855801588.2/2
All: 130991.838+/-0.032 χ²/NDF: 74793889

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 185.197+/-0.046 χ^2/NDF:502340.8/10

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.872+/-0.046 χ^2/NDF:446886.2/9

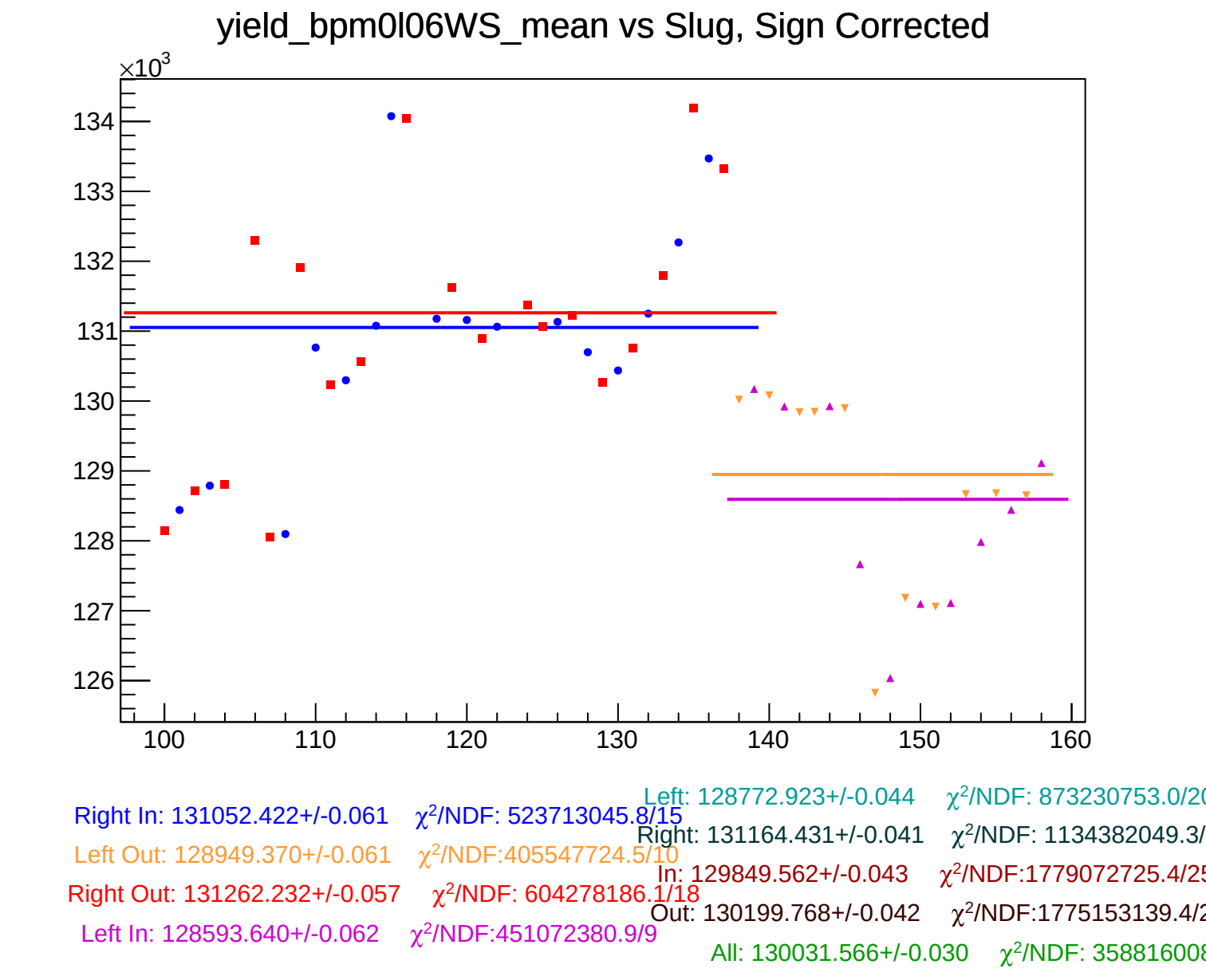
Left: 186.034+/-0.032 χ^2/NDF: 949891.3/20

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

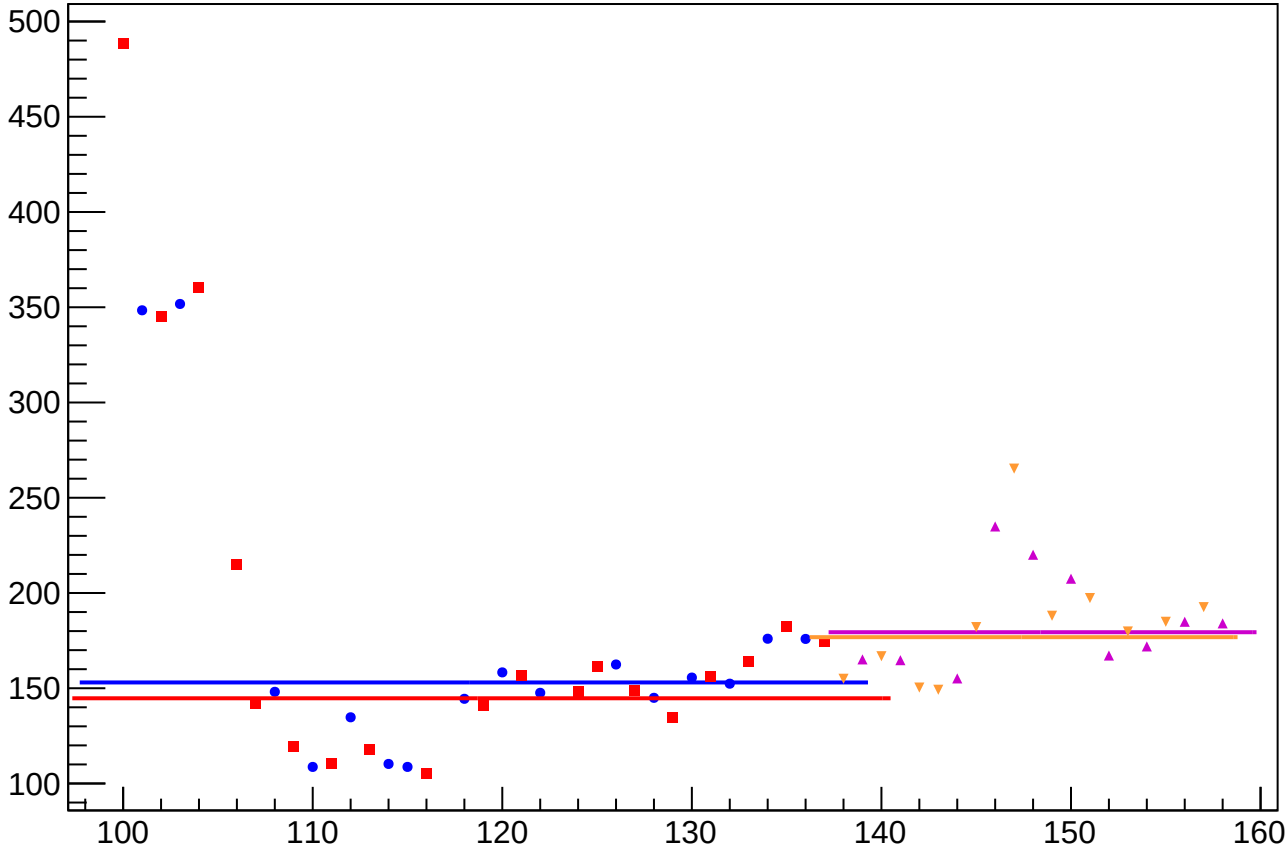
In: 176.777+/-0.033 χ^2/NDF:1483157.6/25

Out: 169.995+/-0.032 χ^2/NDF:1883388.1/29

All: 173.258+/-0.023 χ^2/NDF: 3388734.8/55


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
134
133
132
131
130
129
128
127
126
100
110
120
130
140
150
160
Right In: 131052.422+/-0.061 χ²/NDF: 523713045.8/15
Left Out: 128949.370+/-0.061 χ²/NDF:405547724.5/10
Right Out: 131262.232+/-0.057 χ²/NDF: 604278186.1/18
Left In: 128593.640+/-0.062 χ²/NDF:451072380.9/9
Left: 128772.923+/-0.044 χ²/NDF: 873230753.0/20
Right: 131164.431+/-0.041 χ²/NDF: 1134382049.3/
In: 129849.562+/-0.043 χ²/NDF:1779072725.4/25
Out: 130199.768+/-0.042 χ²/NDF:1775153139.4/2
All: 130031.566+/-0.030 χ²/NDF: 35881600

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 176.810+/-0.043 χ^2/NDF:338038.2/10

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.410+/-0.044 χ^2/NDF:269612.4/9

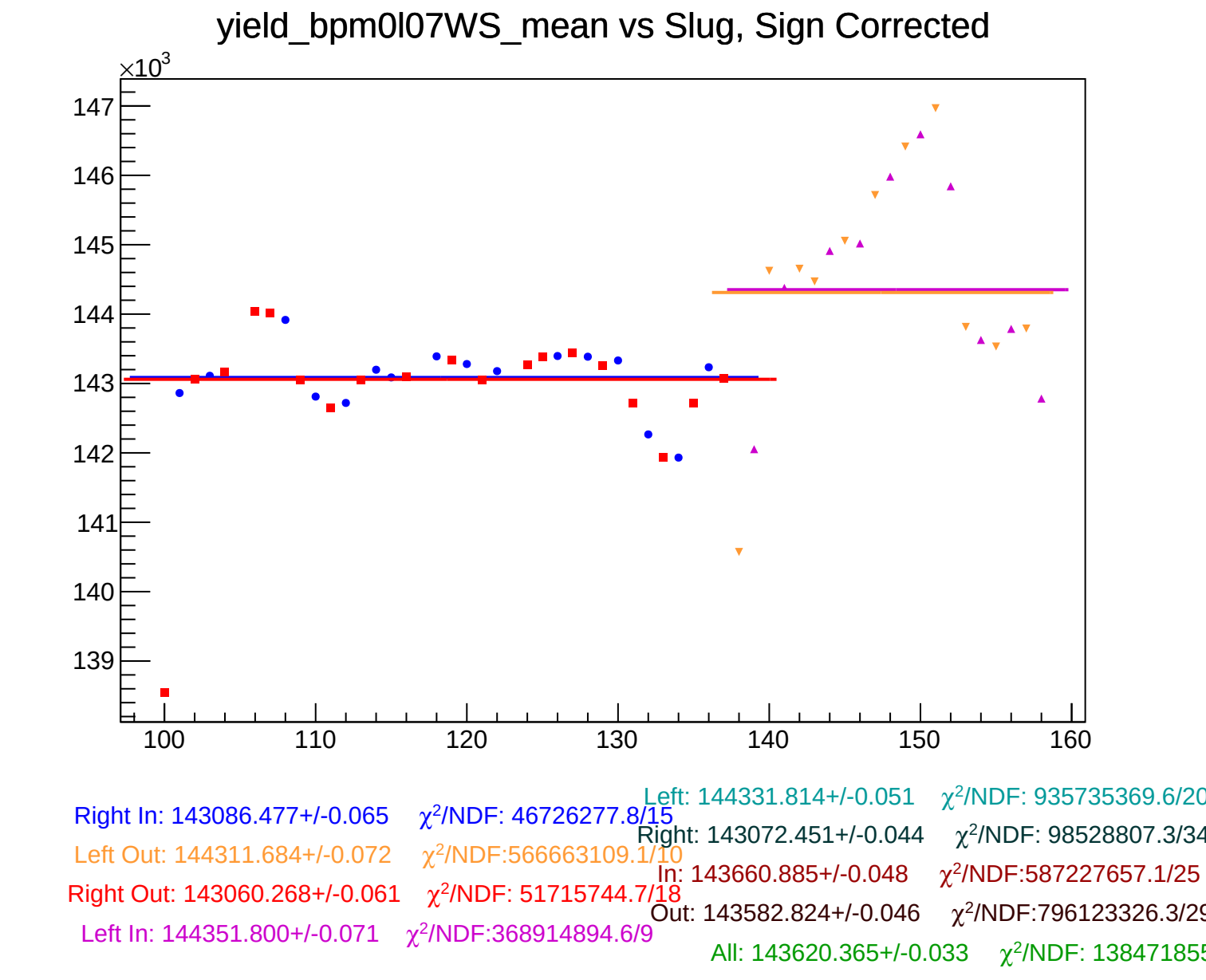
Left: 178.100+/-0.031 χ^2/NDF: 609424.7/20

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

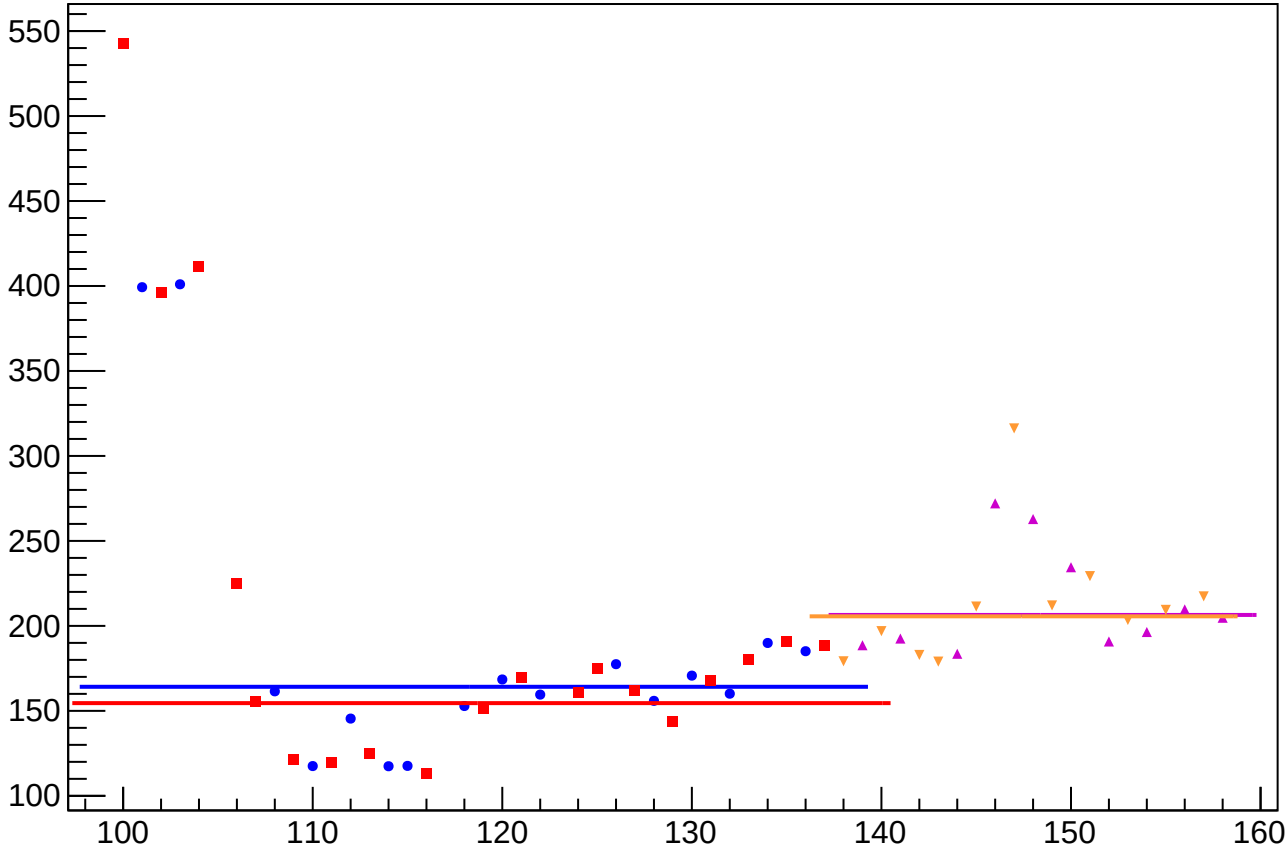
In: 165.942+/-0.031 χ^2/NDF:1514063.5/25

Out: 159.467+/-0.029 χ^2/NDF:1895926.2/29

All: 162.577+/-0.021 χ^2/NDF: 3433187.5/55


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
141
140
139
100
110
120
130
140
150
160
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 144311.684+/-0.072 χ²/NDF:566663109.1/10
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 144351.800+/-0.071 χ²/NDF:368914894.6/9
Left: 144331.814+/-0.051 χ²/NDF: 935735369.6/20
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 143660.885+/-0.048 χ²/NDF:587227657.1/25
Out: 143582.824+/-0.046 χ²/NDF:796123326.3/29
All: 143620.365+/-0.033 χ²/NDF: 13847185

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 205.626+/-0.051 χ^2/NDF:309501.0/10

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.439+/-0.050 χ^2/NDF:268997.5/9

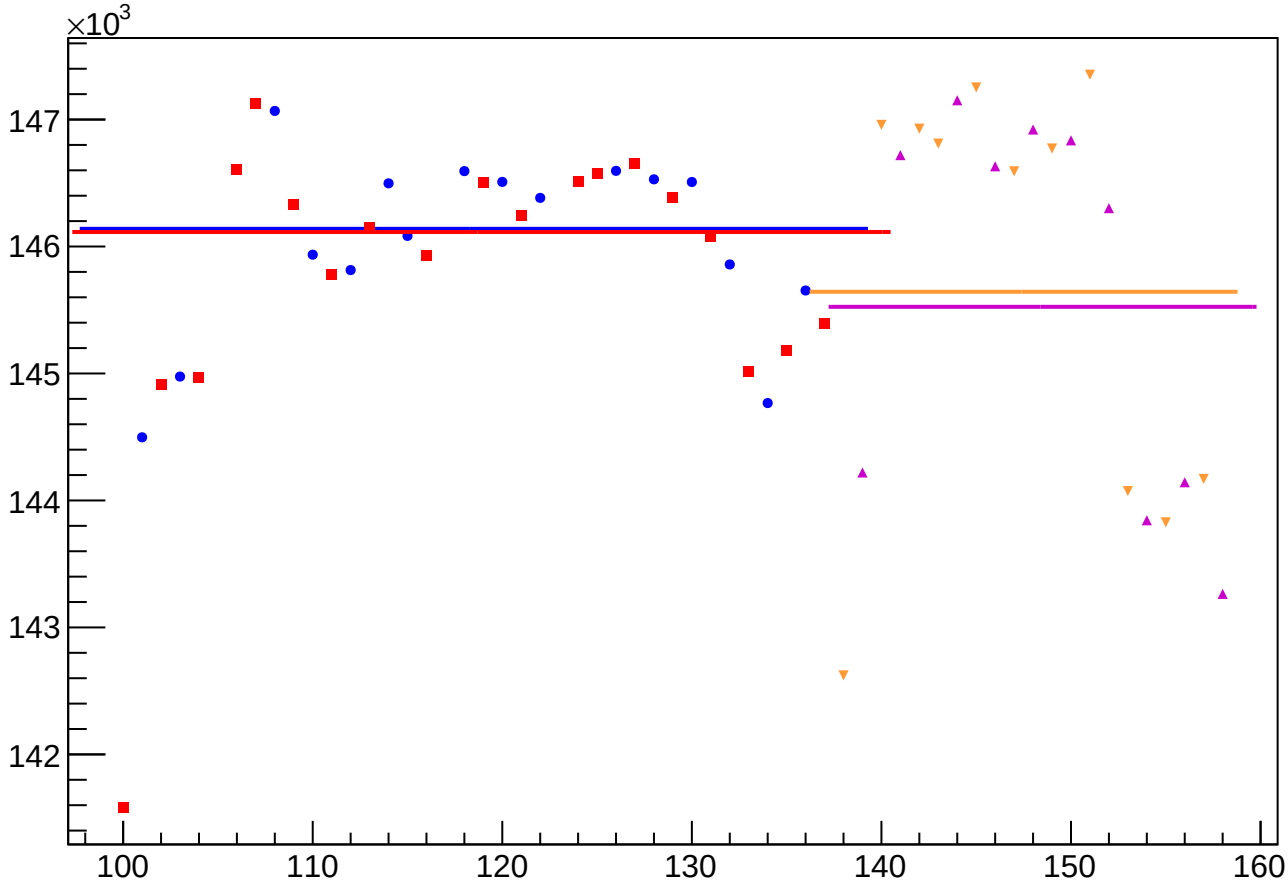
Left: 206.034+/-0.036 χ^2/NDF: 578627.7/20

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 183.357+/-0.034 χ^2/NDF:1781789.9/25

Out: 175.883+/-0.033 χ^2/NDF:2268343.0/29

All: 179.477+/-0.024 χ^2/NDF: 4075207.3/55



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145643.474+/-0.071 χ^2/NDF:577251666.1/10

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145524.988+/-0.071 χ^2/NDF:431755661.5/9

Left: 145584.387+/-0.050 χ^2/NDF: 1010409585.7/2

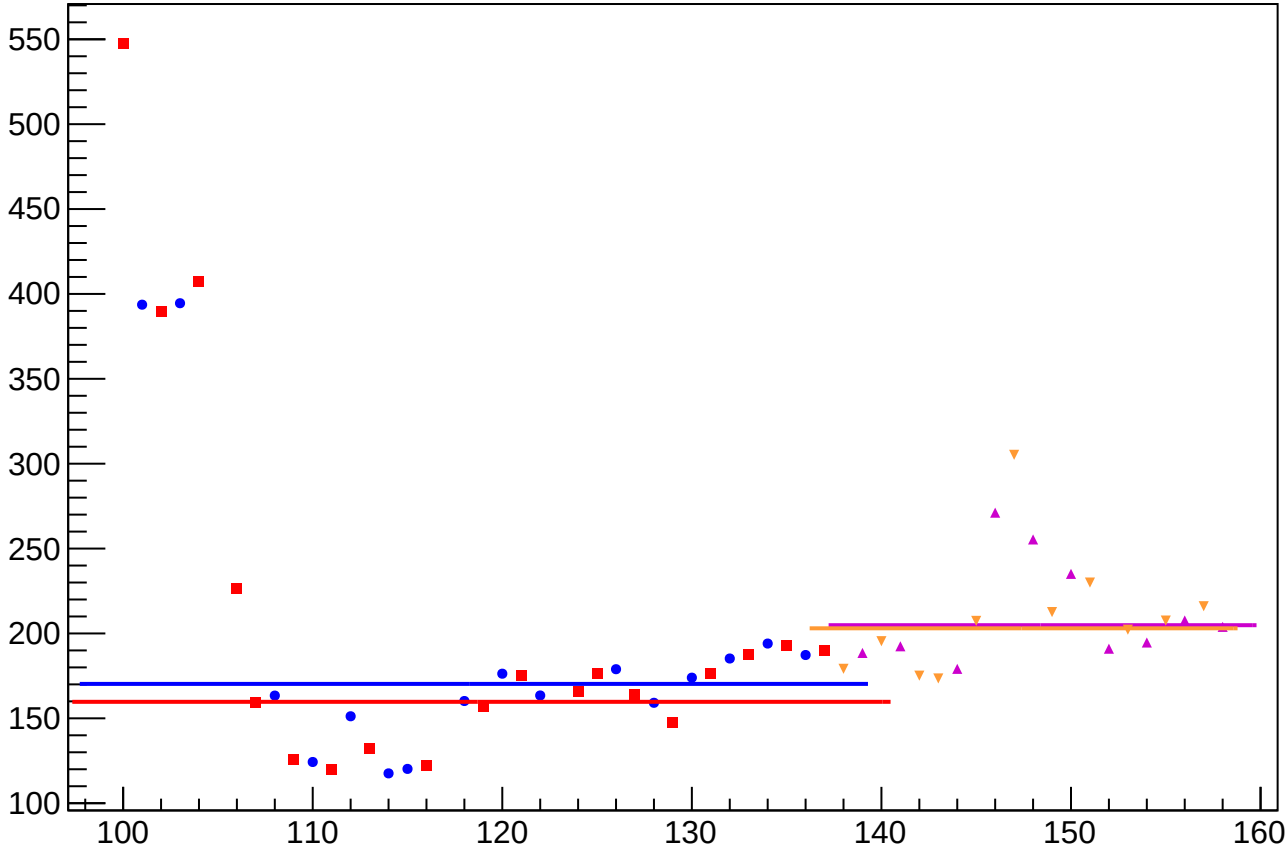
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 145847.446+/-0.049 χ^2/NDF:542941672.0/25

Out: 145907.792+/-0.047 χ^2/NDF:675287994.0/29

All: 145878.895+/-0.034 χ^2/NDF: 12190256

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 203.024+/-0.050 χ^2/NDF:313047.2/10

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 204.862+/-0.050 χ^2/NDF:266143.6/9

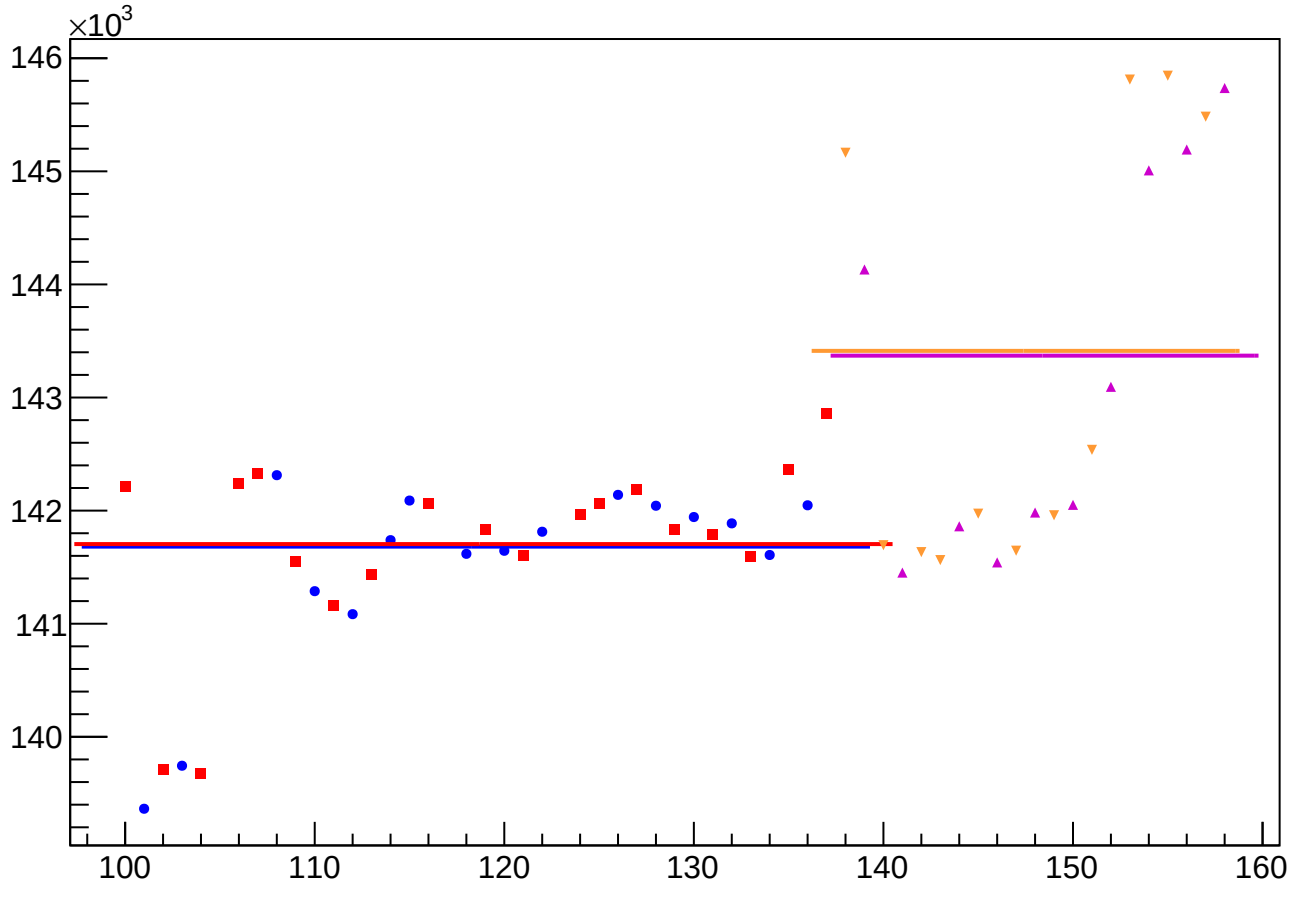
Left: 203.940+/-0.035 χ^2/NDF: 579865.5/20

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 186.707+/-0.035 χ^2/NDF:1573966.2/25

Out: 178.724+/-0.033 χ^2/NDF:2025830.5/29

All: 182.547+/-0.024 χ^2/NDF: 3627656.9/55



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143412.580+/-0.075 χ^2/NDF:593722246.4/10

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143370.204+/-0.074 χ^2/NDF:447762560.4/9

Left: 143391.159+/-0.053 χ^2/NDF: 1041645104.5/2

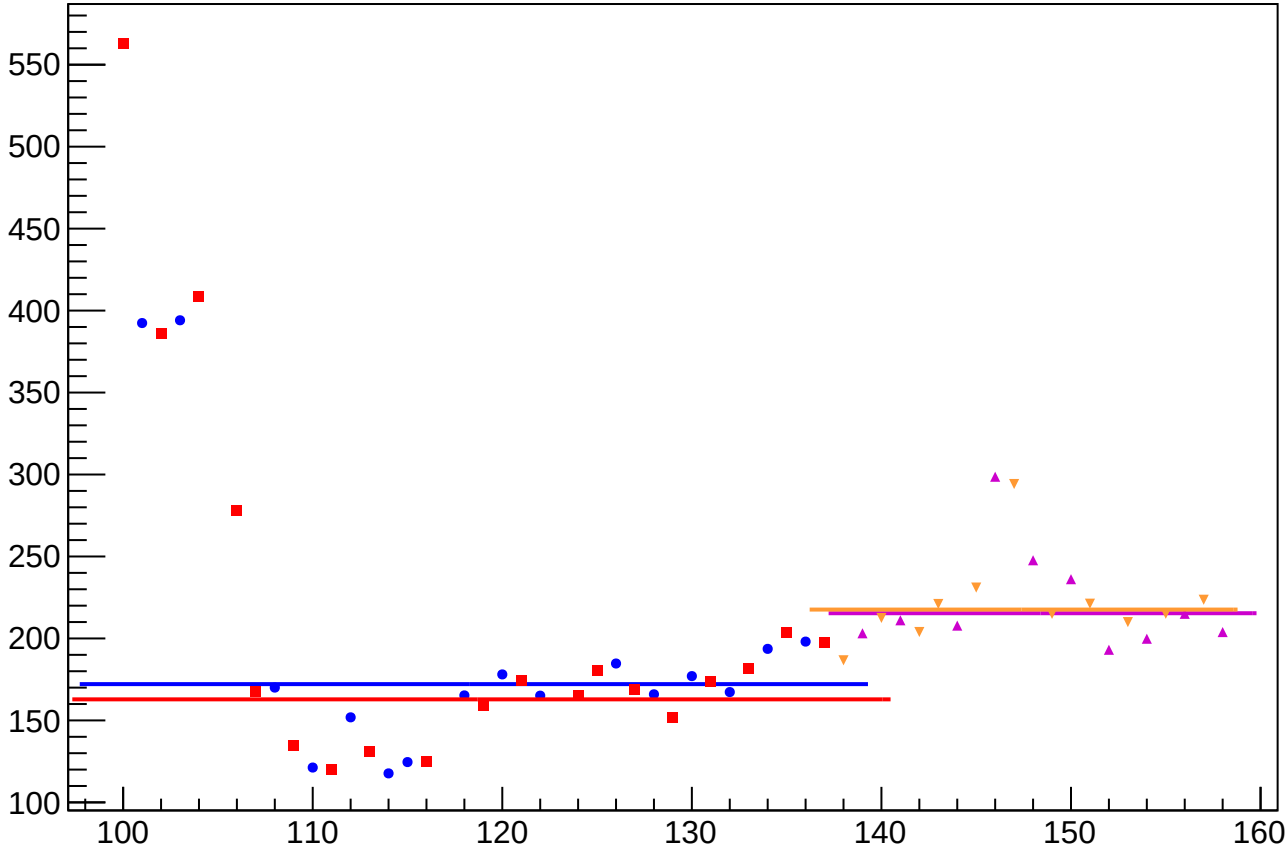
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142453.289+/-0.050 χ^2/NDF:791509585.0/25

Out: 142418.562+/-0.049 χ^2/NDF:959138689.6/29

All: 142435.346+/-0.035 χ^2/NDF: 17508944

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 217.613+/-0.053 χ^2/NDF:167805.7/10

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 215.387+/-0.053 χ^2/NDF:223392.5/9

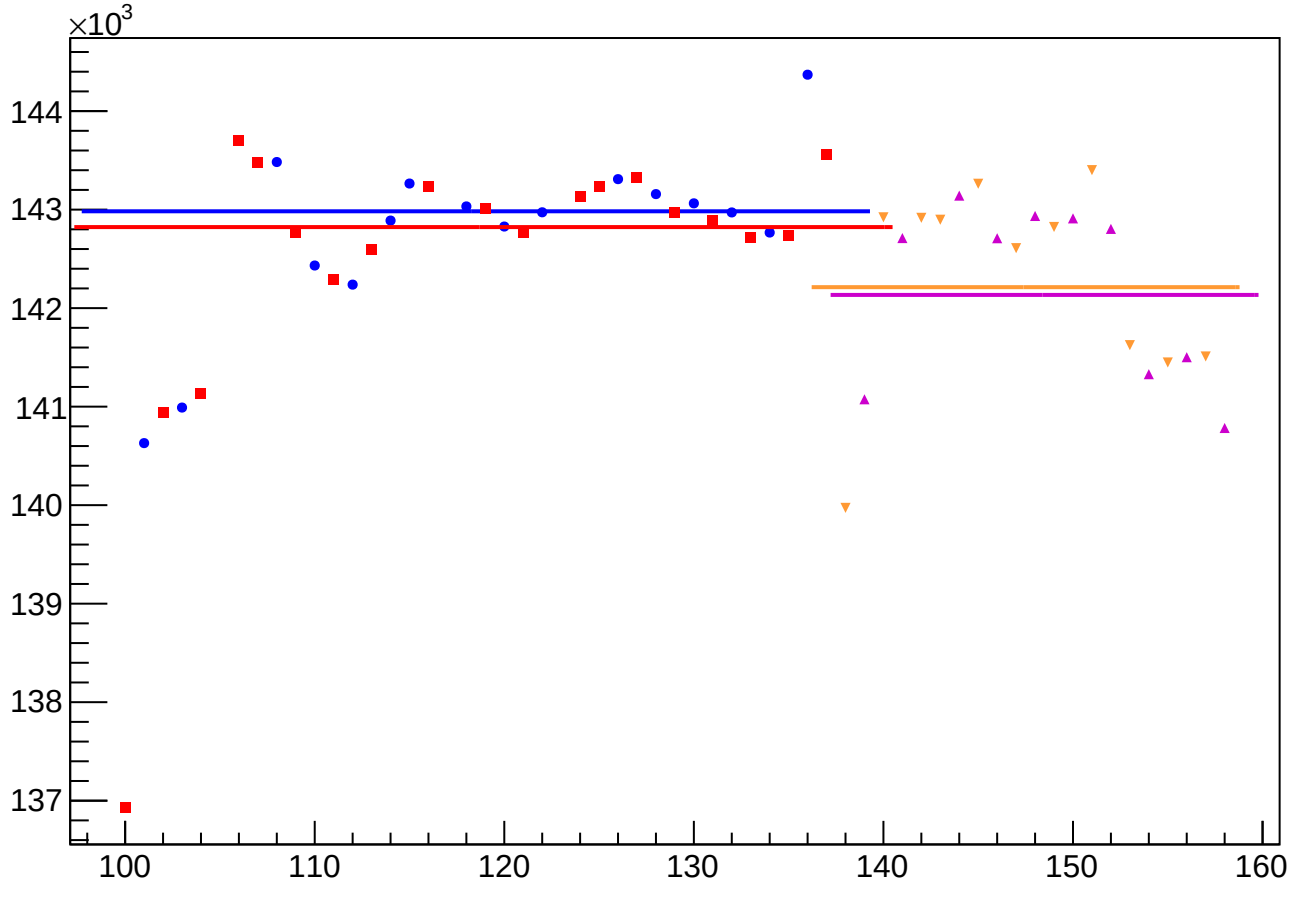
Left: 216.488+/-0.037 χ^2/NDF: 392083.2/20

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 191.900+/-0.036 χ^2/NDF:1658707.5/25

Out: 185.747+/-0.034 χ^2/NDF:2090084.7/29

All: 188.721+/-0.025 χ^2/NDF: 3764248.8/55



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142212.854+/-0.069 χ^2/NDF:237517393.1/10

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142134.127+/-0.069 χ^2/NDF:161379614.9/9

Left: 142173.537+/-0.049 χ^2/NDF: 399542630.2/20

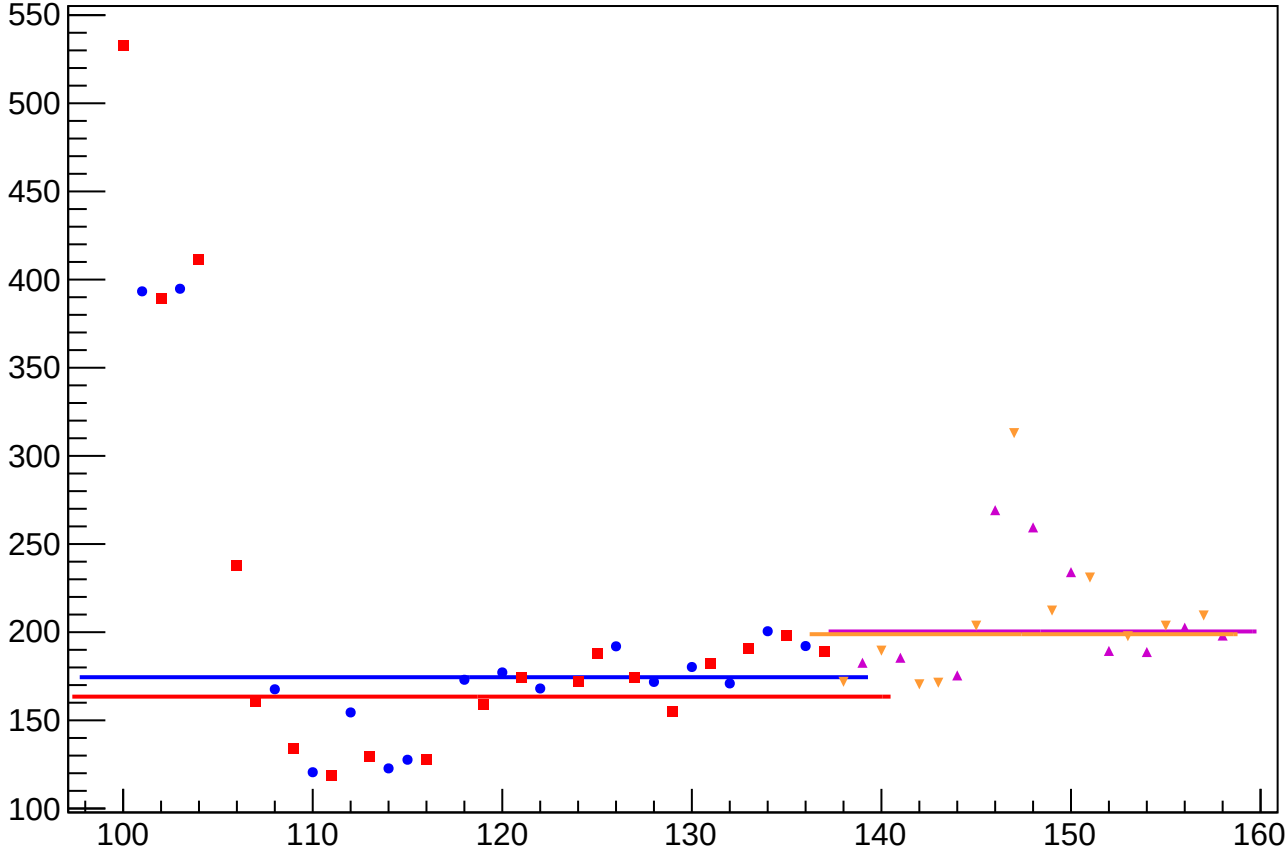
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142559.867+/-0.049 χ^2/NDF:344279846.6/25

Out: 142541.591+/-0.047 χ^2/NDF:342916282.1/29

All: 142550.361+/-0.034 χ^2/NDF: 68726865

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 198.862+/-0.049 χ^2/NDF:367637.3/10

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.409+/-0.049 χ^2/NDF:309253.8/9

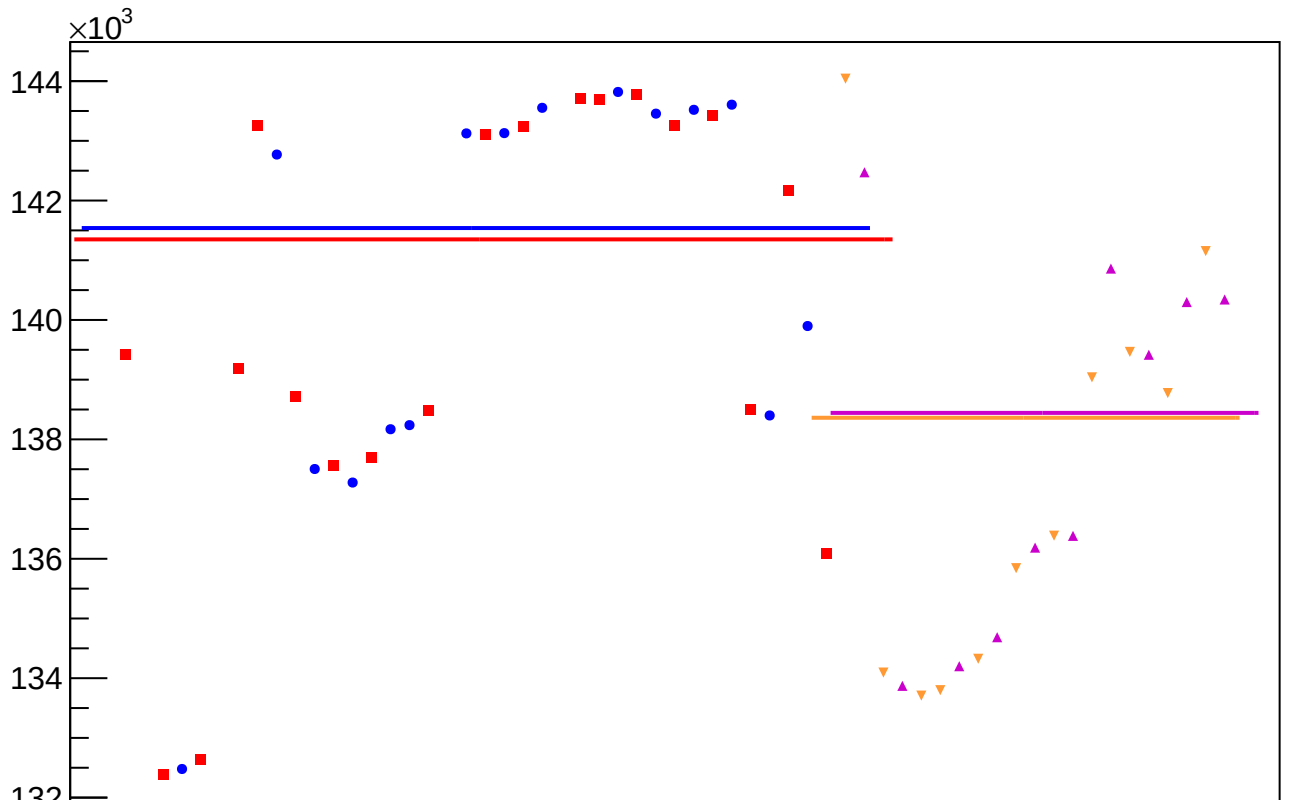
Left: 199.635+/-0.035 χ^2/NDF: 677389.3/20

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 187.398+/-0.035 χ^2/NDF:1498851.1/25

Out: 179.773+/-0.033 χ^2/NDF:1932142.0/29

All: 183.432+/-0.024 χ^2/NDF: 3456240.9/55



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138361.881+/-0.108 χ^2/NDF:1178594480.4/10

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138443.475+/-0.110 χ^2/NDF:822908380.9/9

Left: 138402.146+/-0.077 χ^2/NDF: 2001783246.6/2

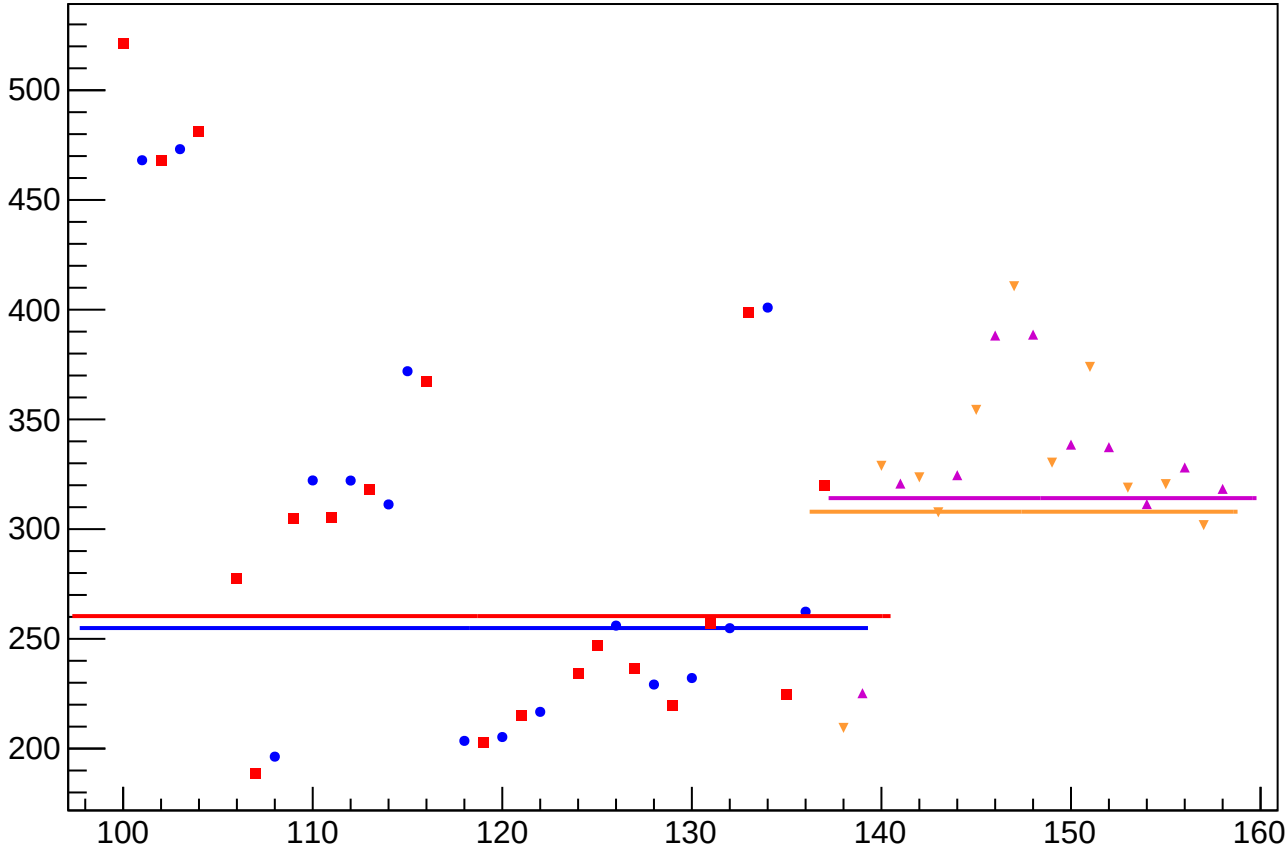
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140121.528+/-0.074 χ^2/NDF:2202613543.6/25

Out: 139958.228+/-0.074 χ^2/NDF:2512282969.4/2

All: 140039.492+/-0.052 χ^2/NDF: 471732855

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 307.937+/-0.077 χ^2/NDF:532521.3/10

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 314.127+/-0.078 χ^2/NDF:394642.9/9

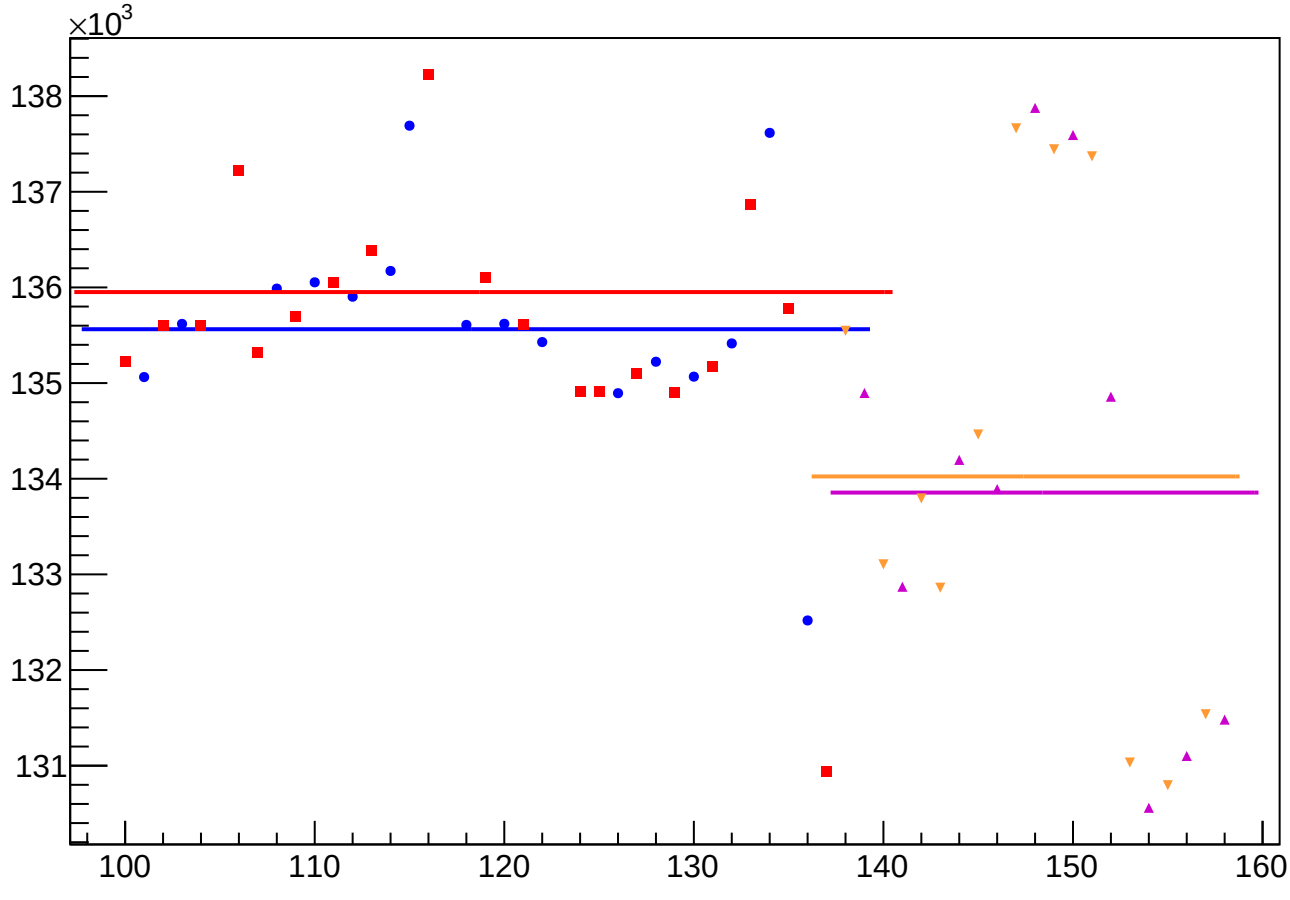
Left: 310.992+/-0.054 χ^2/NDF: 930391.7/20

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 282.036+/-0.052 χ^2/NDF:1660558.1/25

Out: 282.520+/-0.052 χ^2/NDF:1732188.7/29

All: 282.279+/-0.037 χ^2/NDF: 3392789.6/55



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134023.662+/-0.086 χ^2/NDF:528636981.7/10

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133855.174+/-0.090 χ^2/NDF:429038526.1/9

Left: 133943.878+/-0.062 χ^2/NDF: 959510459.6/20

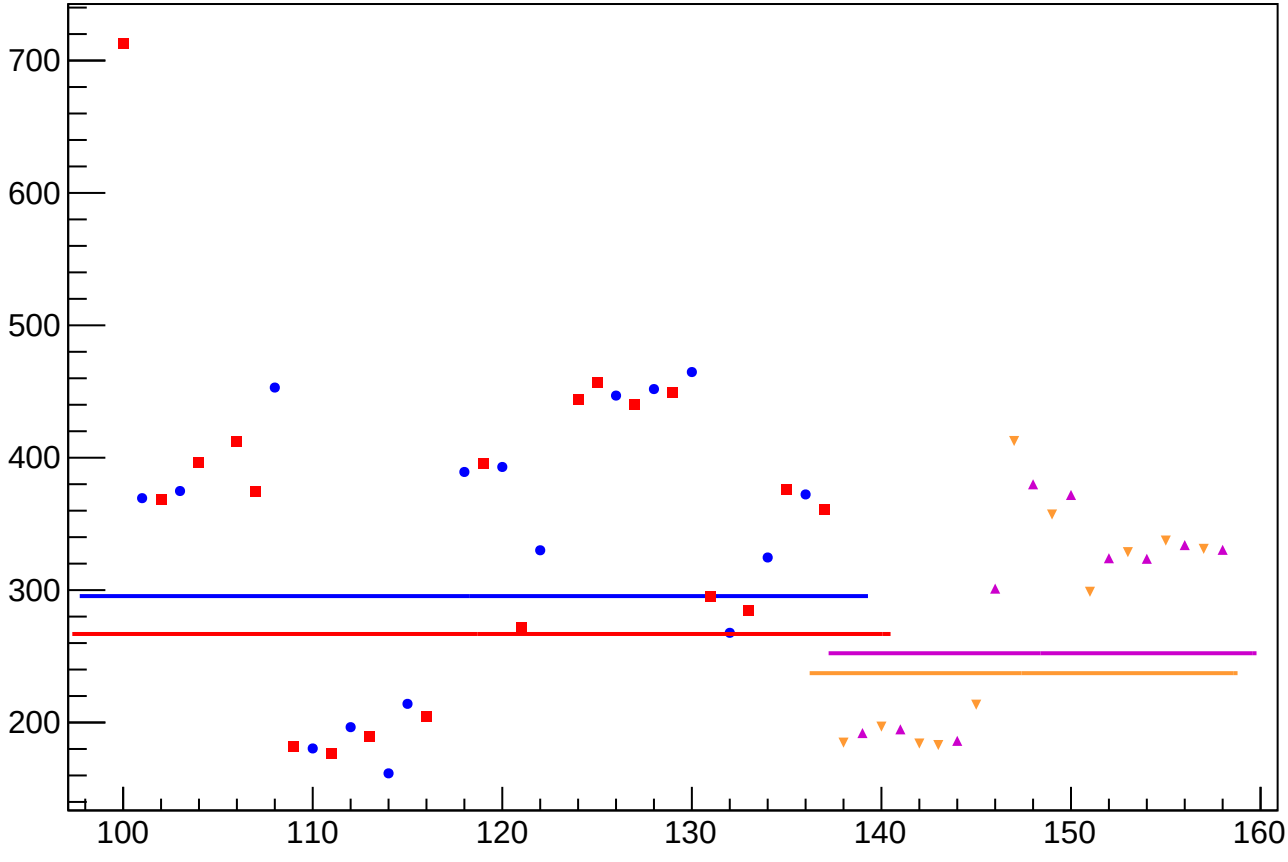
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134483.119+/-0.072 χ^2/NDF:654880341.3/25

Out: 134781.454+/-0.067 χ^2/NDF:819629648.8/29

All: 134643.230+/-0.049 χ^2/NDF: 14837846

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 237.266+/-0.061 χ^2/NDF:1361136.0/10

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 252.309+/-0.064 χ^2/NDF:1306413.5/9

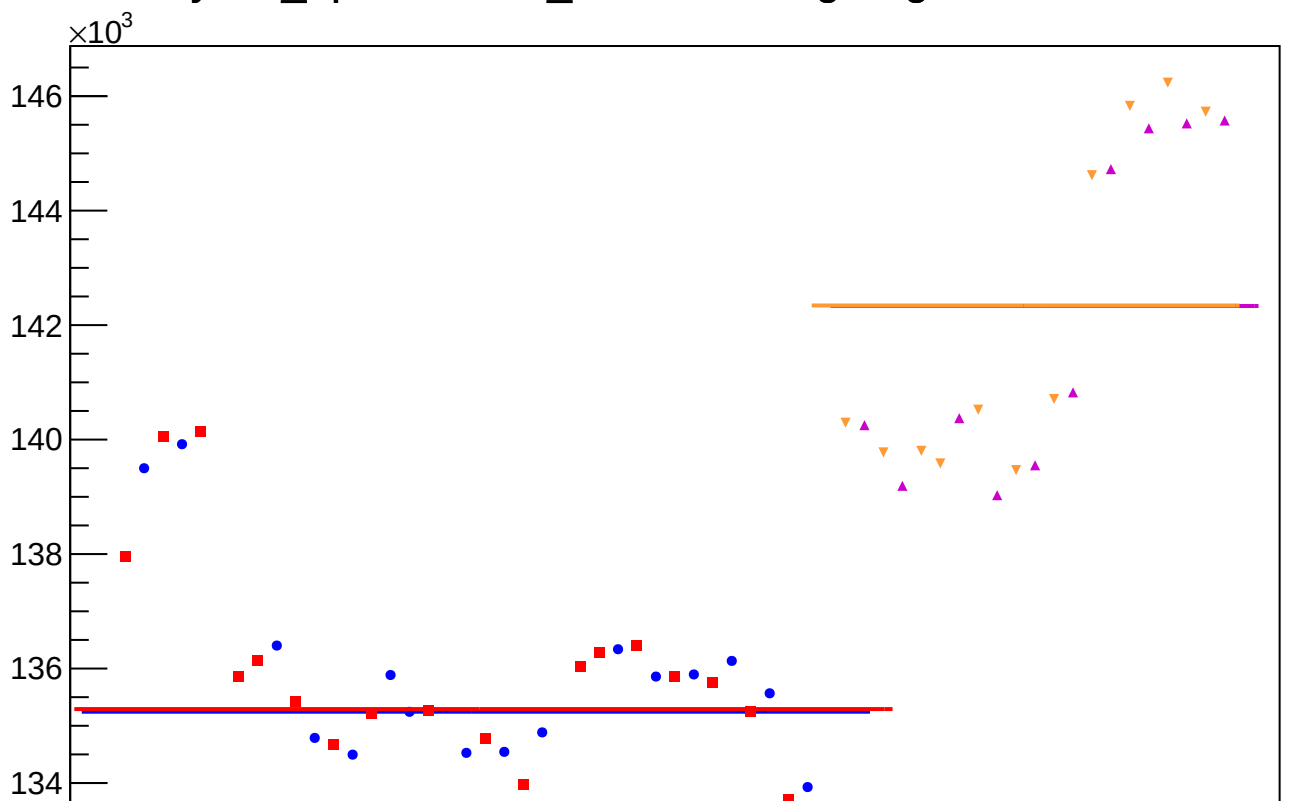
Left: 244.389+/-0.044 χ^2/NDF: 2696803.5/20

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 268.182+/-0.051 χ^2/NDF:2917219.6/25

Out: 248.900+/-0.047 χ^2/NDF:3133219.5/29

All: 257.834+/-0.035 χ^2/NDF: 6127924.6/55



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 142342.926+/-0.065 χ^2/NDF:1847854504.6/10

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 142333.404+/-0.067 χ^2/NDF:1674990967.6/9

Left: 142338.304+/-0.047 χ^2/NDF: 3522855845.7/2

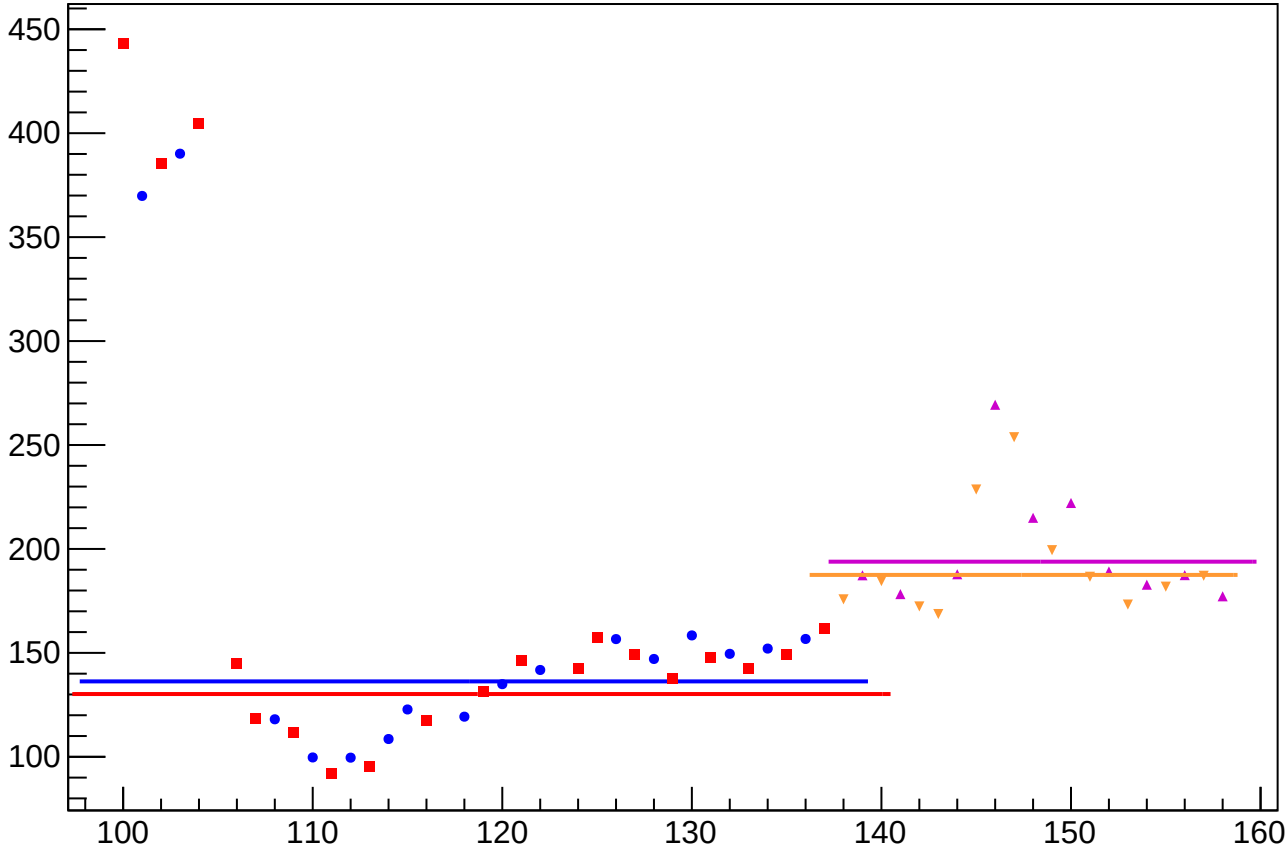
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 138078.797+/-0.042 χ^2/NDF:8767222559.2/25

Out: 138020.255+/-0.041 χ^2/NDF:9413280244.7/2

All: 138048.200+/-0.029 χ^2/NDF: 18181499

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 187.507+/-0.046 χ^2/NDF:208617.9/10

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 193.874+/-0.047 χ^2/NDF:217286.7/9

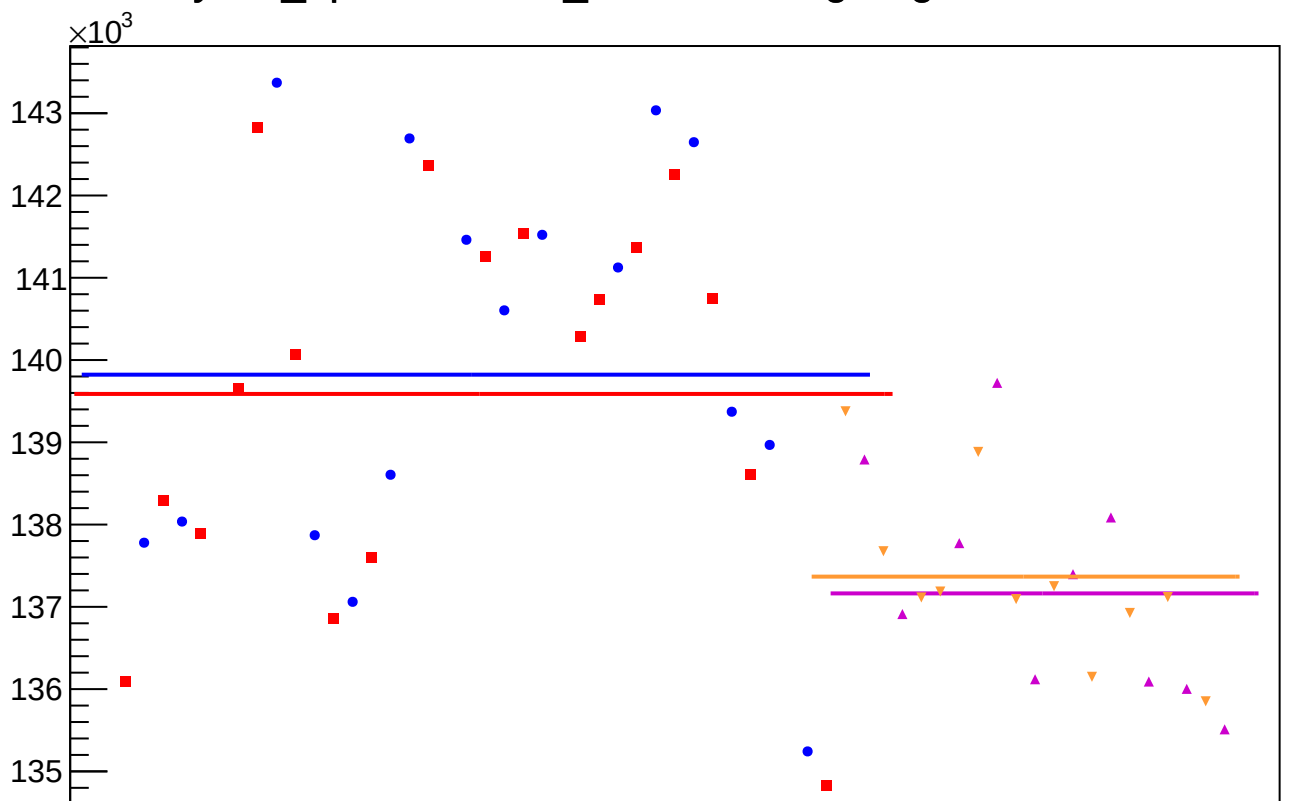
Left: 190.597+/-0.033 χ^2/NDF: 435180.5/20

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 159.302+/-0.030 χ^2/NDF:2486632.7/25

Out: 152.378+/-0.029 χ^2/NDF:2678278.2/29

All: 155.683+/-0.021 χ^2/NDF: 5192782.6/55



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137367.373+/-0.067 χ^2/NDF:229556249.0/10

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137163.409+/-0.068 χ^2/NDF:315133054.1/9

Left: 137267.170+/-0.048 χ^2/NDF: 549214084.7/20

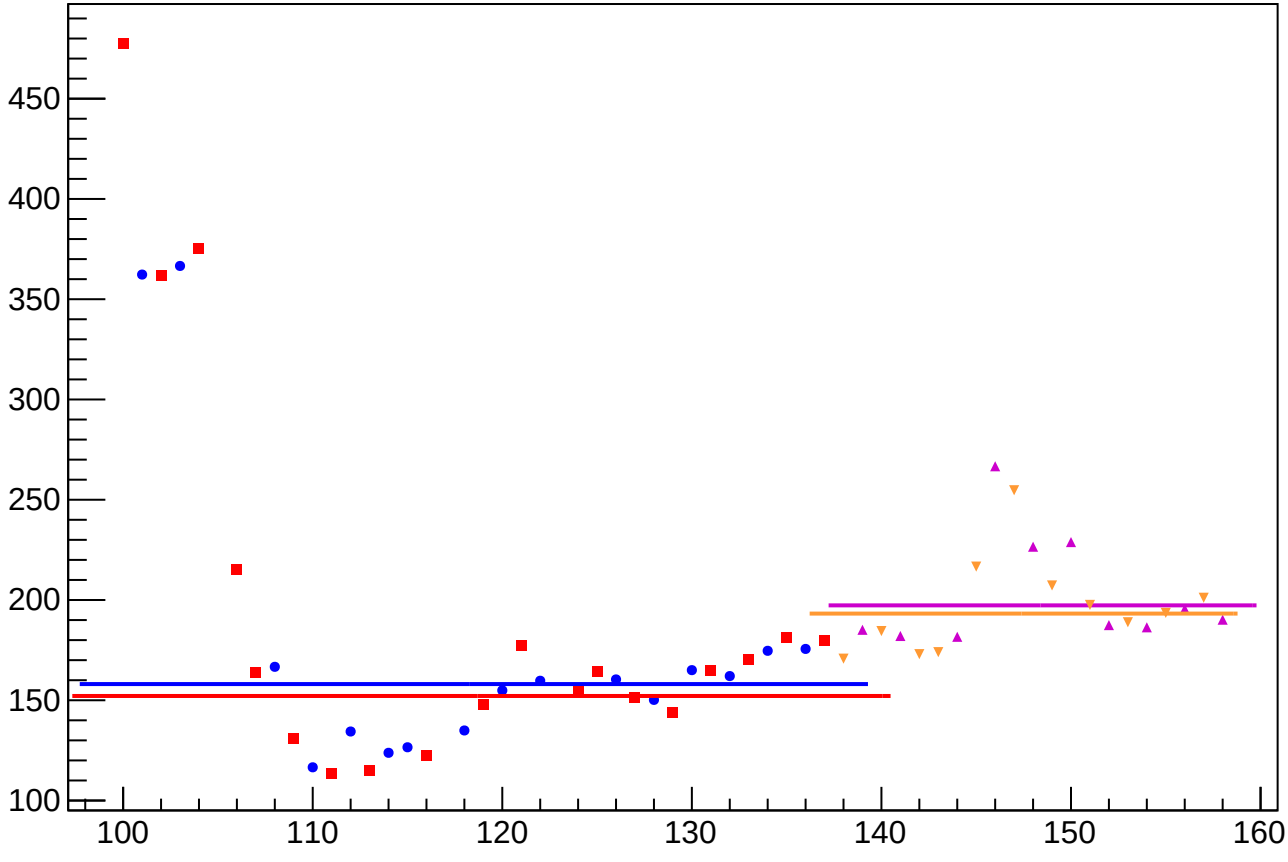
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138610.240+/-0.046 χ^2/NDF:2800941956.7/25

Out: 138608.040+/-0.045 χ^2/NDF:2322410259.1/2

All: 138609.103+/-0.032 χ^2/NDF: 51233538

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 193.225+/-0.048 χ^2/NDF:184037.9/10

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 197.326+/-0.048 χ^2/NDF:222011.1/9

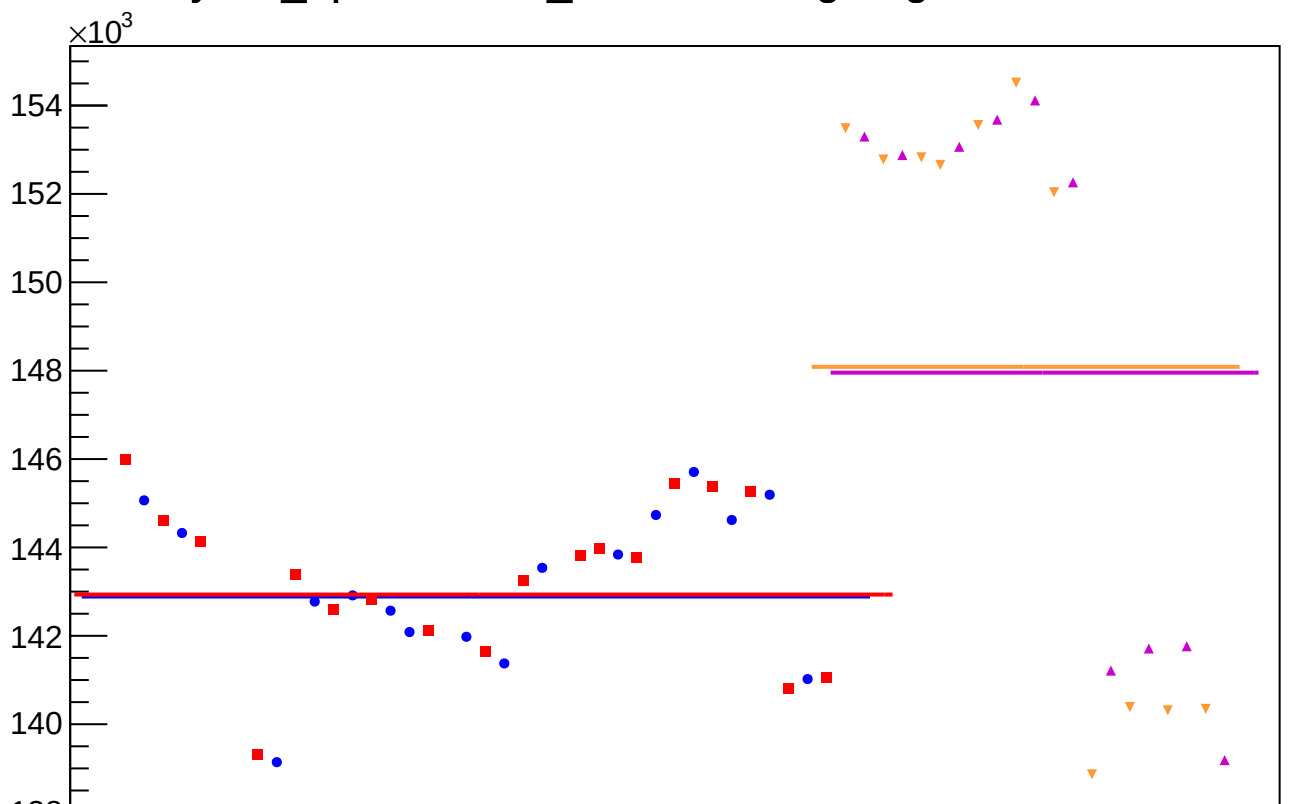
Left: 195.240+/-0.034 χ^2/NDF: 409707.1/20

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 175.969+/-0.033 χ^2/NDF:1598360.5/25

Out: 170.269+/-0.032 χ^2/NDF:1830725.4/29

All: 173.023+/-0.023 χ^2/NDF: 3444835.8/55



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 148087.239+/-0.068 χ^2/NDF:8799888797.5/10

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 147955.354+/-0.069 χ^2/NDF:7784626322.4/9

Left: 148022.364+/-0.048 χ^2/NDF: 16586370061.6

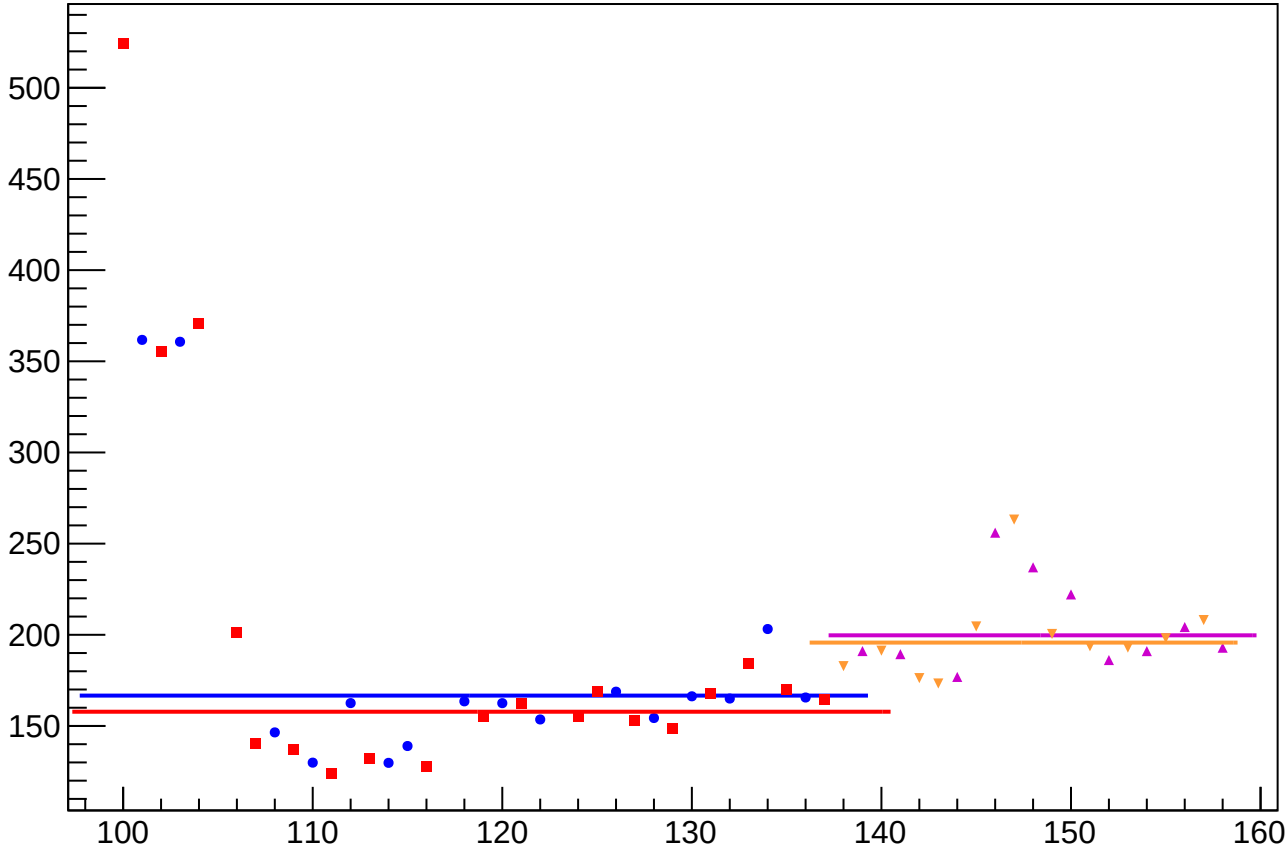
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145296.857+/-0.048 χ^2/NDF:11374723952.0/2

Out: 145257.233+/-0.046 χ^2/NDF:12749070809.1

All: 145276.203+/-0.033 χ^2/NDF: 24124156

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 195.730+/-0.048 χ^2/NDF:162461.2/10

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 199.715+/-0.049 χ^2/NDF:195238.8/9

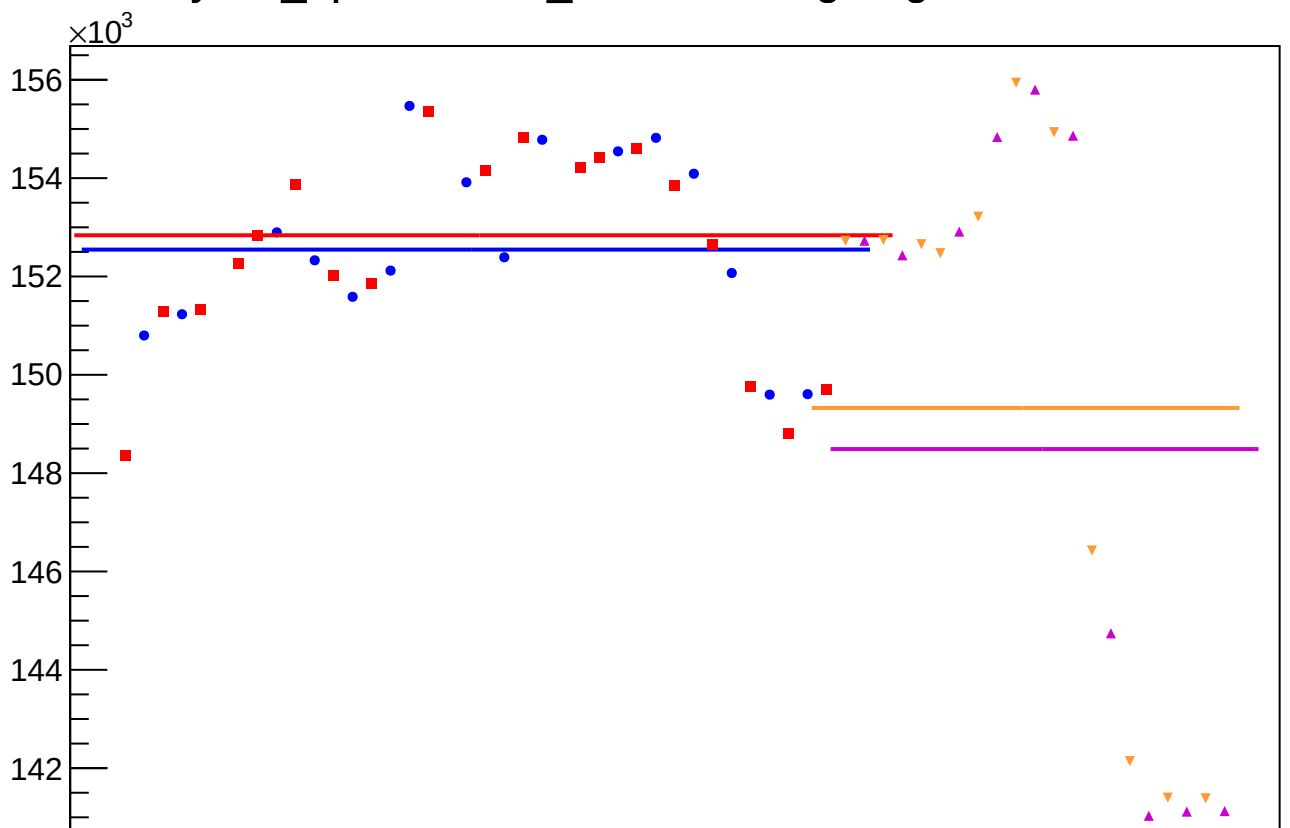
Left: 197.690+/-0.034 χ^2/NDF: 361087.2/20

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 182.367+/-0.034 χ^2/NDF:1299568.4/25

Out: 174.905+/-0.032 χ^2/NDF:1527206.0/29

All: 178.478+/-0.023 χ^2/NDF: 2852407.9/55



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 149326.151+/-0.068 χ^2/NDF:6089933428.5/10

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 148490.356+/-0.069 χ^2/NDF:7338943075.0/9

Left: 148915.213+/-0.048 χ^2/NDF: 13503435521.5

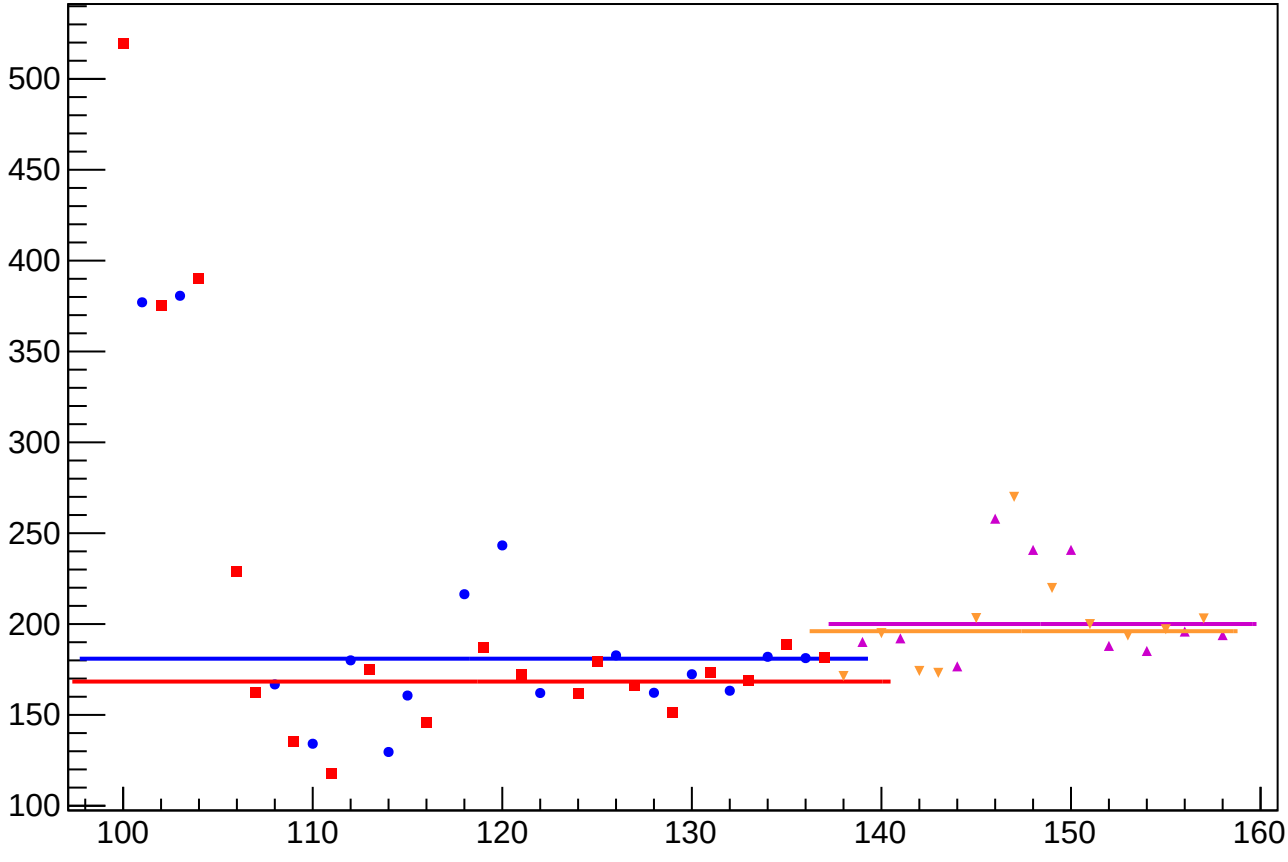
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 150415.470+/-0.050 χ^2/NDF:9633208404.9/25

Out: 151113.642+/-0.048 χ^2/NDF:8189510224.2/2

All: 150782.186+/-0.034 χ^2/NDF: 17925032

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 196.073+/-0.048 χ^2/NDF:219550.5/10

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.024+/-0.049 χ^2/NDF:244281.5/9

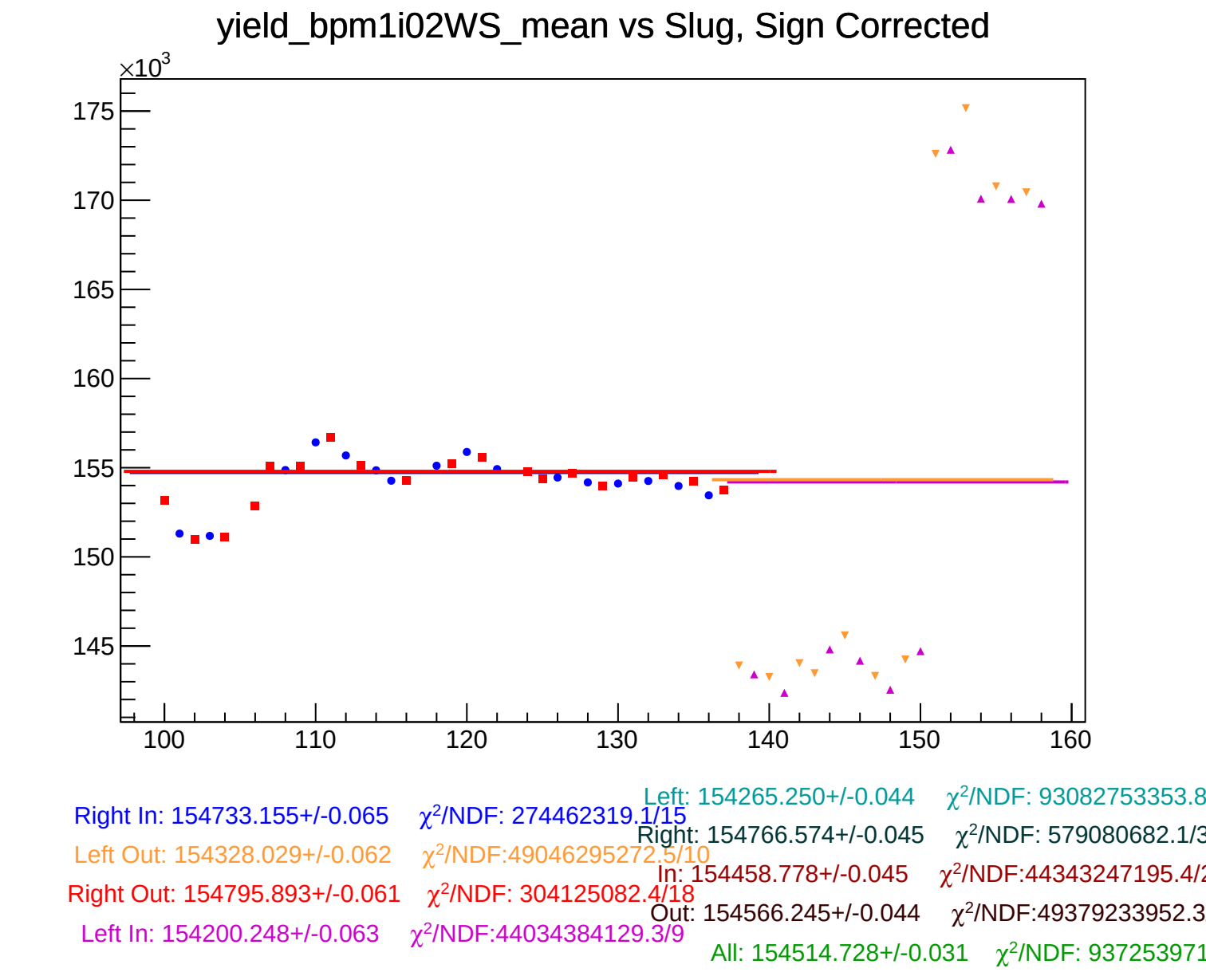
Left: 198.015+/-0.034 χ^2/NDF: 467163.9/20

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

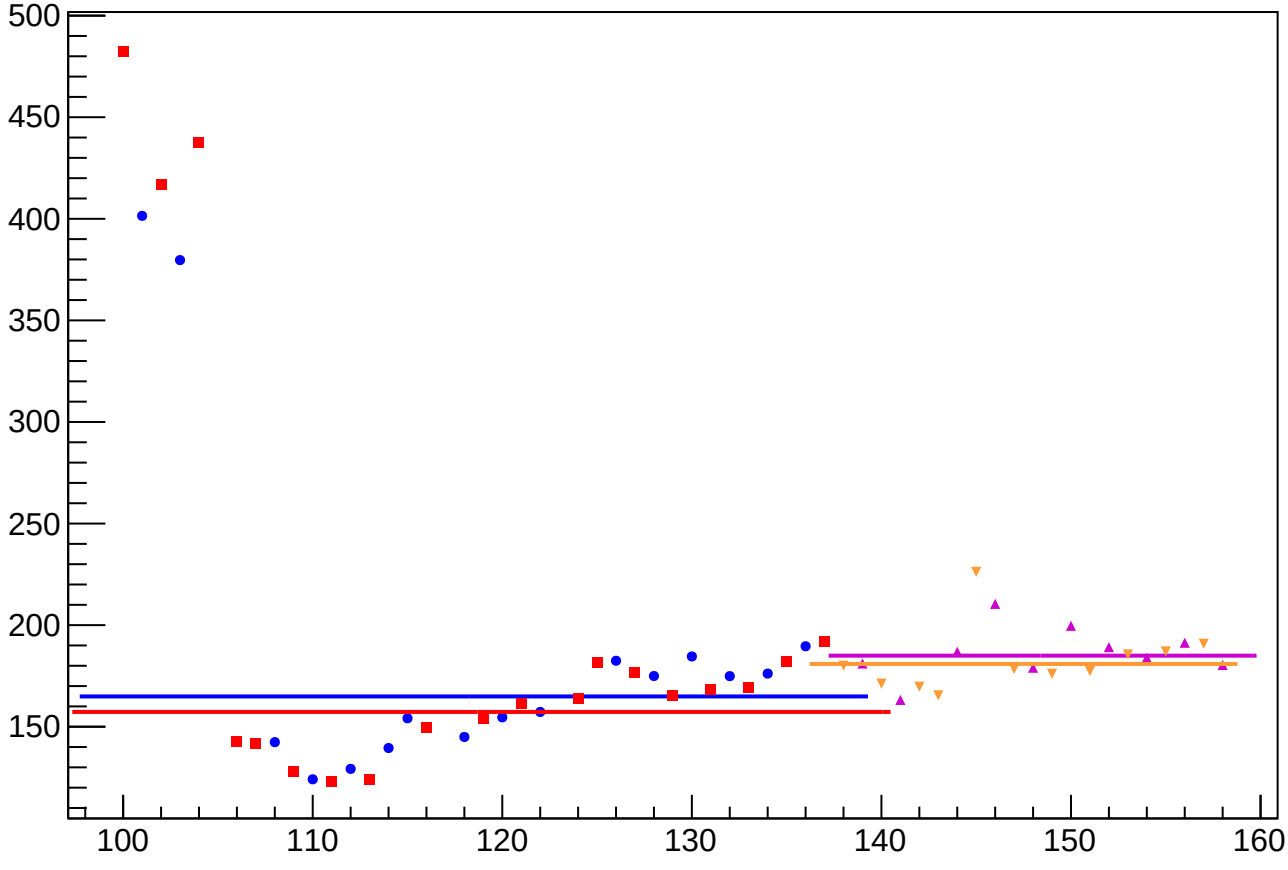
In: 190.966+/-0.035 χ^2/NDF:1224630.2/25

Out: 181.961+/-0.034 χ^2/NDF:1478496.4/29

All: 186.236+/-0.024 χ^2/NDF: 2737168.1/55


yield_bpm1i02WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
100
110
120
130
140
150
160
Right In: 154733.155+/-0.065 χ²/NDF: 274462319.1/15
Left Out: 154328.029+/-0.062 χ²/NDF:49046295272.5/10
Right Out: 154795.893+/-0.061 χ²/NDF: 304125082.4/18
Left In: 154200.248+/-0.063 χ²/NDF:44034384129.3/9
Left: 154265.250+/-0.044 χ²/NDF: 93082753353.8
Right: 154766.574+/-0.045 χ²/NDF: 579080682.1/3
In: 154458.778+/-0.045 χ²/NDF:4434247195.4/2
Out: 154566.245+/-0.044 χ²/NDF:49379233952.3
All: 154514.728+/-0.031 χ²/NDF: 937253971

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 180.899+/-0.044 χ^2/NDF:97020.3/10

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 184.984+/-0.045 χ^2/NDF:73003.6/9

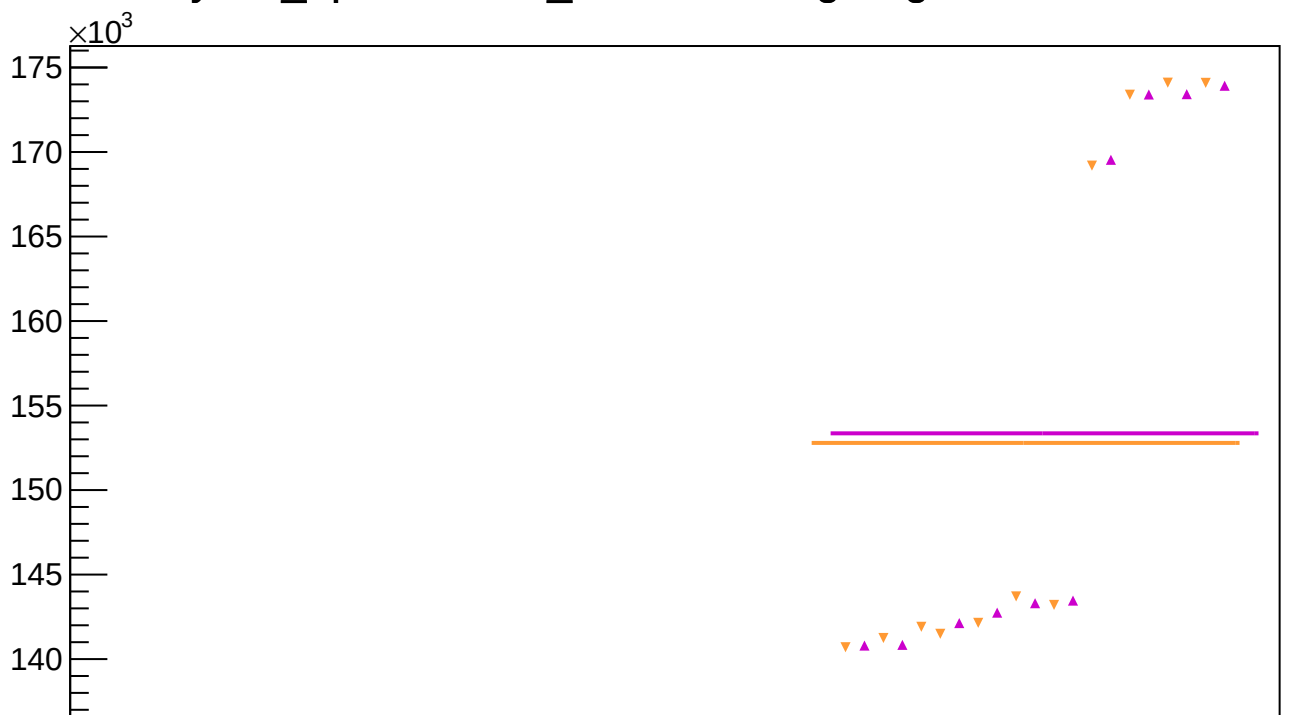
Left: 182.906+/-0.031 χ^2/NDF: 174262.1/20

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 175.244+/-0.032 χ^2/NDF:1243392.6/25

Out: 168.875+/-0.031 χ^2/NDF:1498679.9/29

All: 171.928+/-0.022 χ^2/NDF: 2762554.6/55



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 152789.494+/-0.062 χ^2/NDF:55648452704.5/10

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 153356.243+/-0.063 χ^2/NDF:53887301764.3/9

Left: 153065.960+/-0.044 χ^2/NDF: 109576563663.

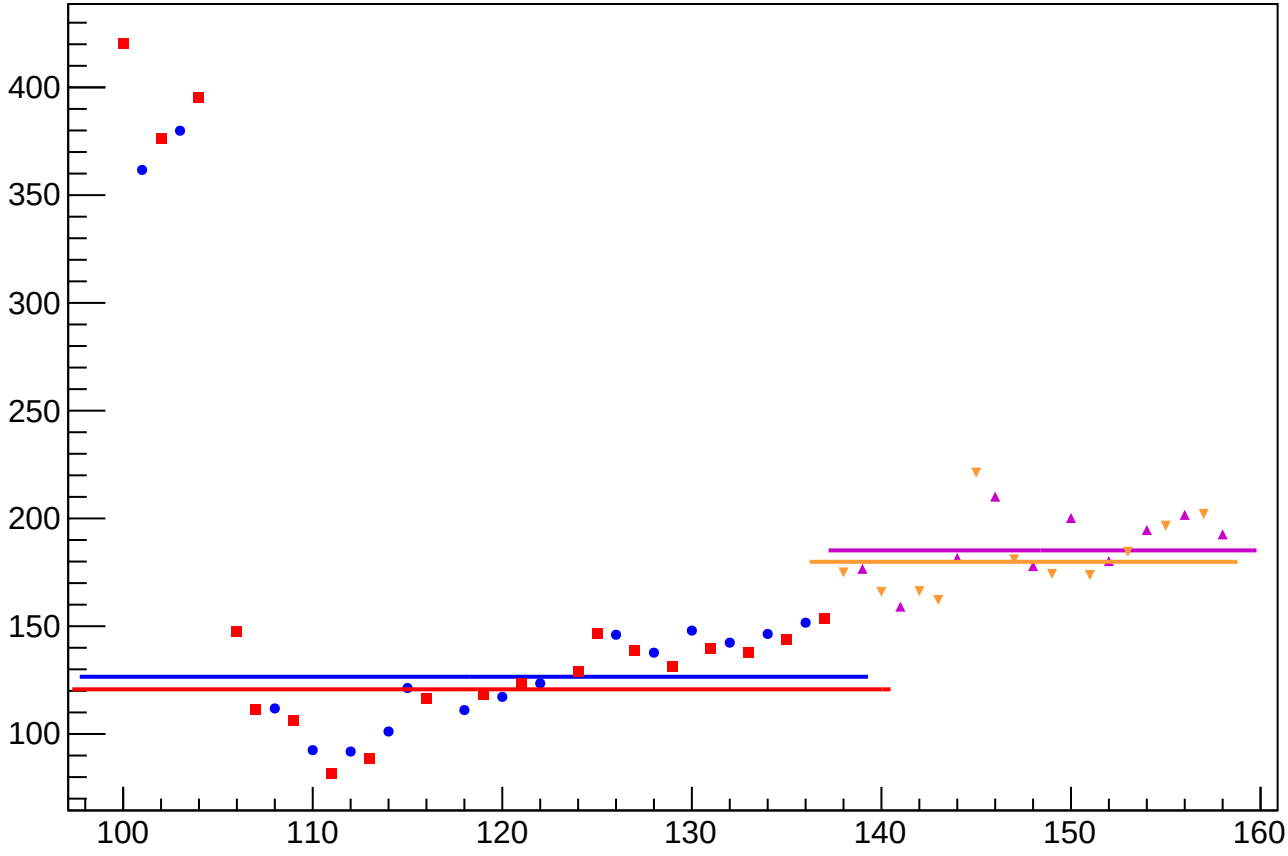
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 141727.504+/-0.040 χ^2/NDF:110067794086.4

Out: 141163.981+/-0.038 χ^2/NDF:113154890917.

All: 141433.080+/-0.027 χ^2/NDF: 22332068

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 179.889+/-0.044 χ^2/NDF:129773.2/10

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 185.175+/-0.045 χ^2/NDF:107417.4/9

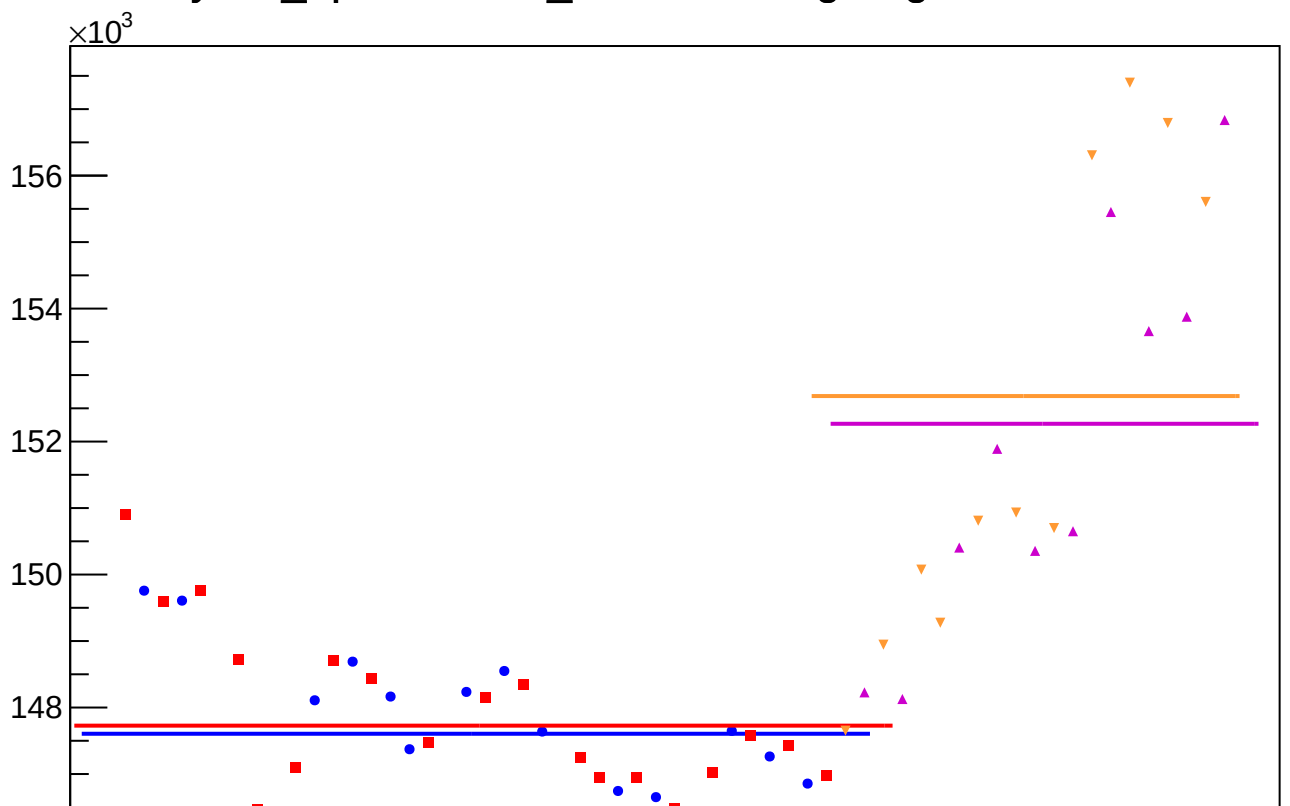
Left: 182.467+/-0.031 χ^2/NDF: 244289.1/20

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 149.445+/-0.028 χ^2/NDF:2623980.8/25

Out: 142.897+/-0.027 χ^2/NDF:2902573.3/29

All: 146.024+/-0.019 χ^2/NDF: 5555012.1/55



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 152684.560+/-0.070 χ^2/NDF:2581717824.5/10

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152267.552+/-0.071 χ^2/NDF:1701545592.0/9

Left: 152478.251+/-0.050 χ^2/NDF: 4300609758.6/2

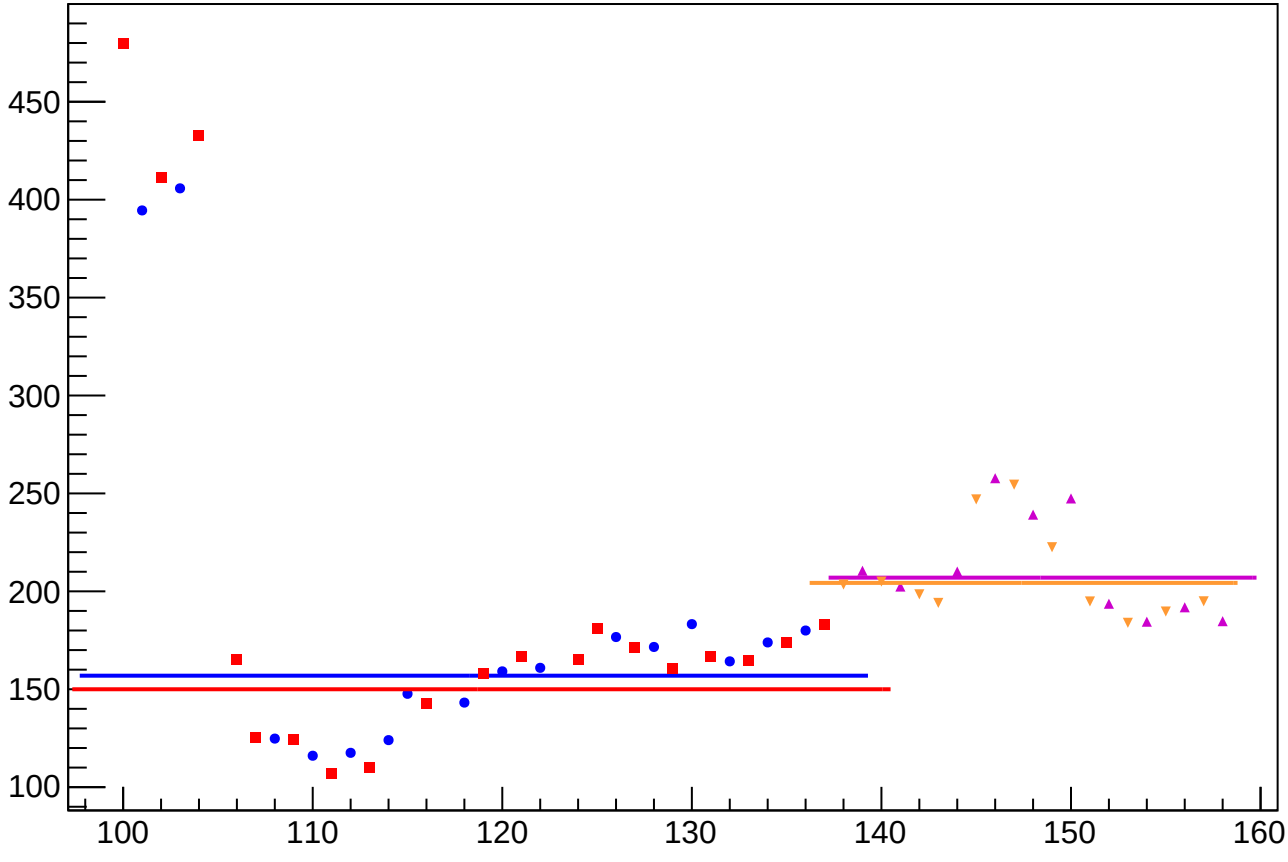
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 149634.499+/-0.047 χ^2/NDF:4325469954.2/25

Out: 149769.129+/-0.045 χ^2/NDF:5690346723.0/2

All: 149704.378+/-0.033 χ^2/NDF: 10020084

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 204.306+/-0.050 χ^2/NDF:165120.9/10

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 206.988+/-0.050 χ^2/NDF:216209.0/9

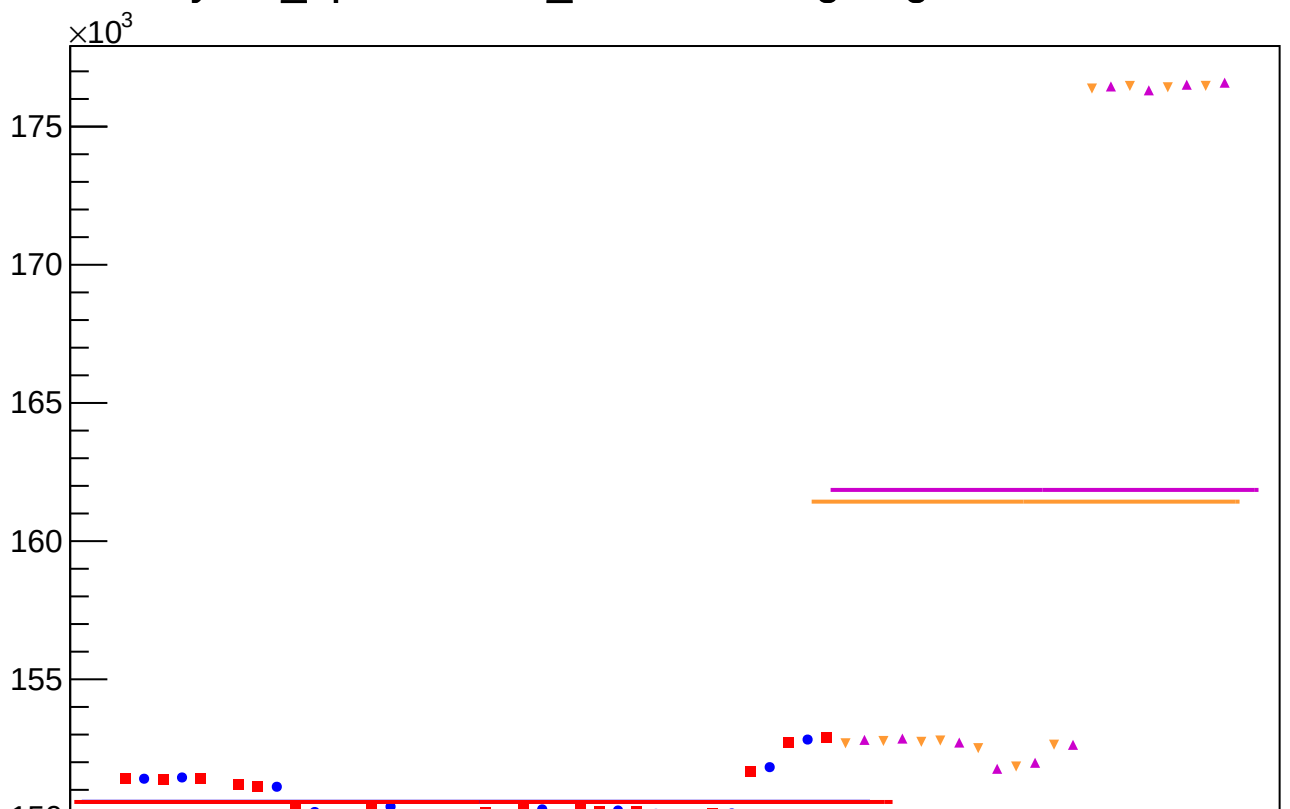
Left: 205.633+/-0.035 χ^2/NDF: 382764.7/20

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

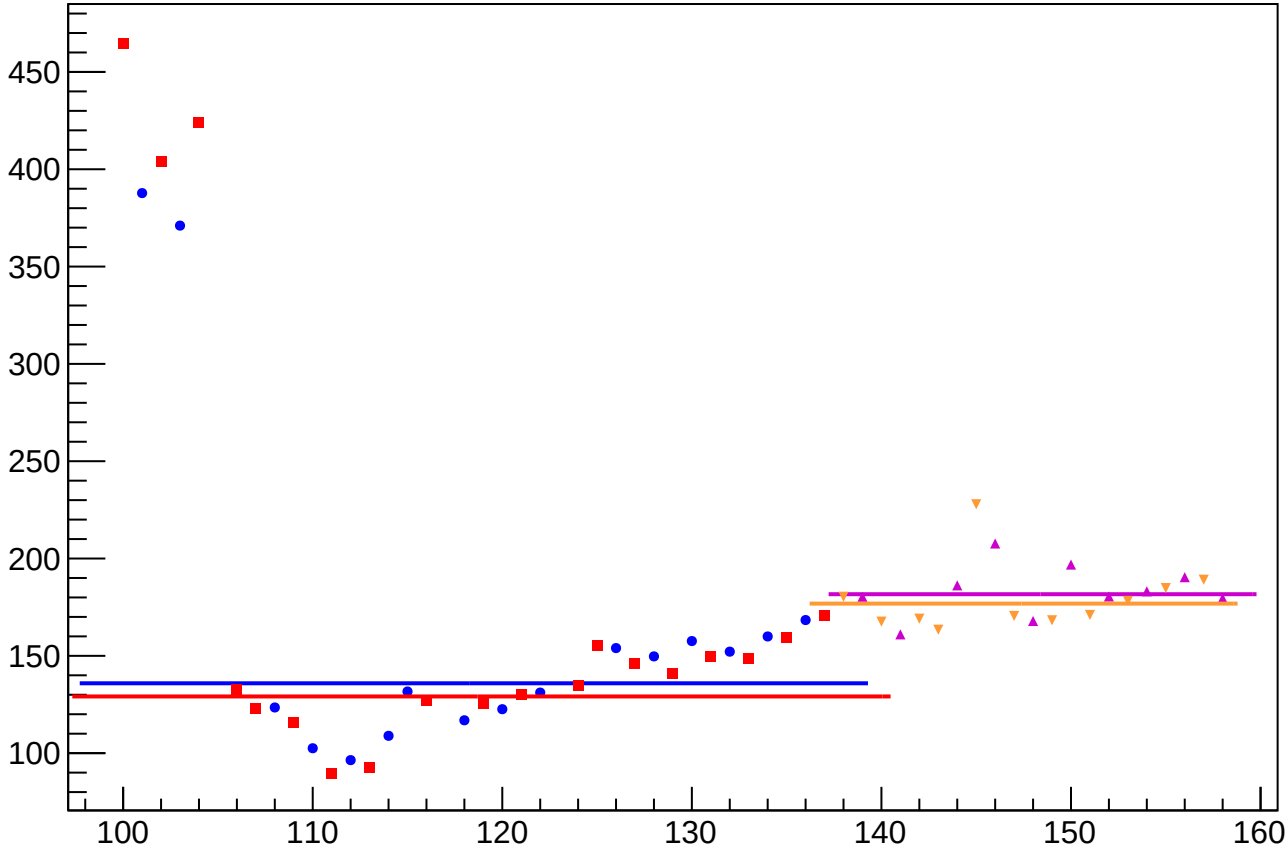
In: 178.714+/-0.033 χ^2/NDF:2040857.4/25

Out: 172.363+/-0.032 χ^2/NDF:2318660.0/29

All: 175.417+/-0.023 χ^2/NDF: 4378513.0/55


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 161429.102+/-0.061 χ²/NDF:36026306952.4/10
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 161853.384+/-0.062 χ²/NDF:35411715011.6/9
Left: 161636.446+/-0.043 χ²/NDF: 71461818132.2
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 155481.536+/-0.041 χ²/NDF:54238708338.3/2
Out: 155047.960+/-0.039 χ²/NDF:54981803901.9
All: 155254.093+/-0.028 χ²/NDF: 10927907

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.838+/-0.043 χ^2/NDF:117417.3/10

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.667+/-0.044 χ^2/NDF:82765.6/9

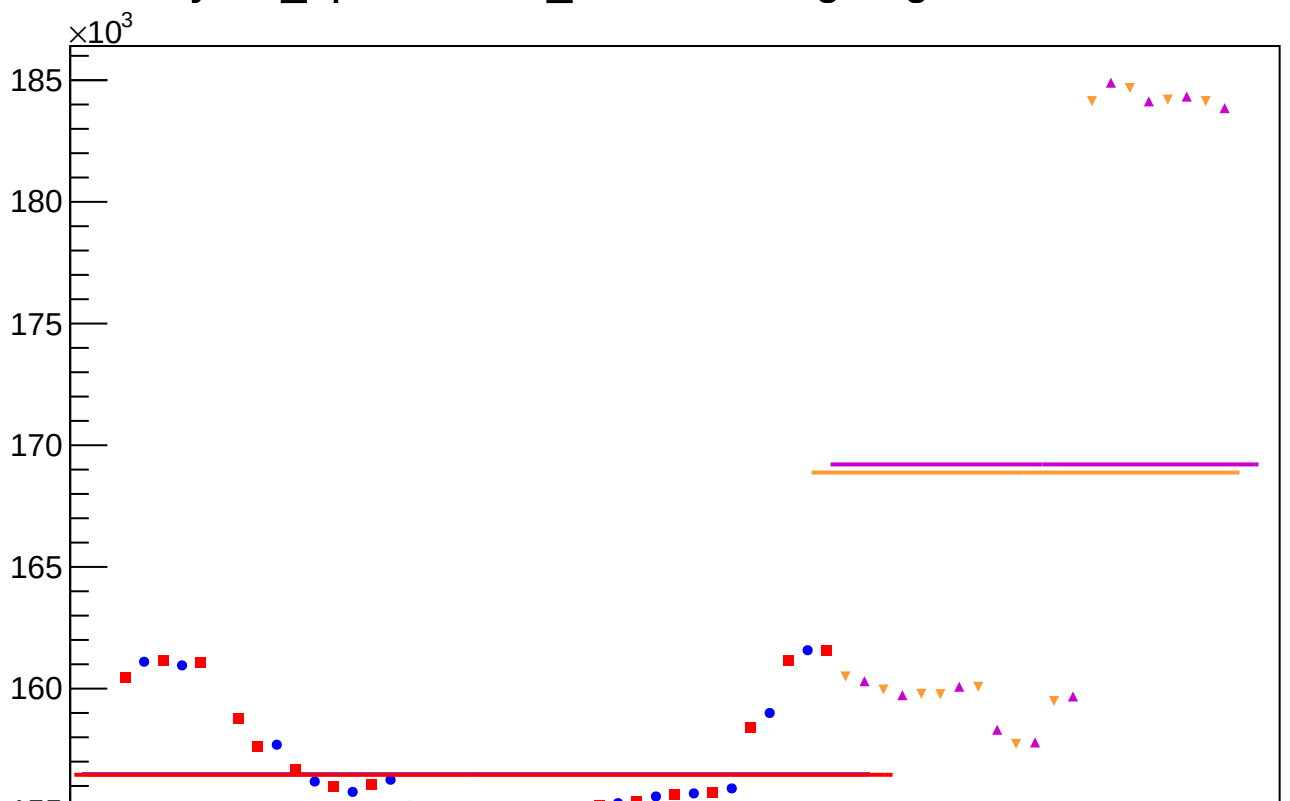
Left: 179.198+/-0.031 χ^2/NDF: 206347.6/20

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 155.823+/-0.029 χ^2/NDF:2110742.9/25

Out: 148.825+/-0.028 χ^2/NDF:2454724.7/29

All: 152.152+/-0.020 χ^2/NDF: 4595975.2/55



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 168878.756+/-0.063 χ^2/NDF:36303918397.0/10

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 169211.926+/-0.064 χ^2/NDF:36200453008.5/9

Left: 169042.088+/-0.045 χ^2/NDF: 72518069090.5

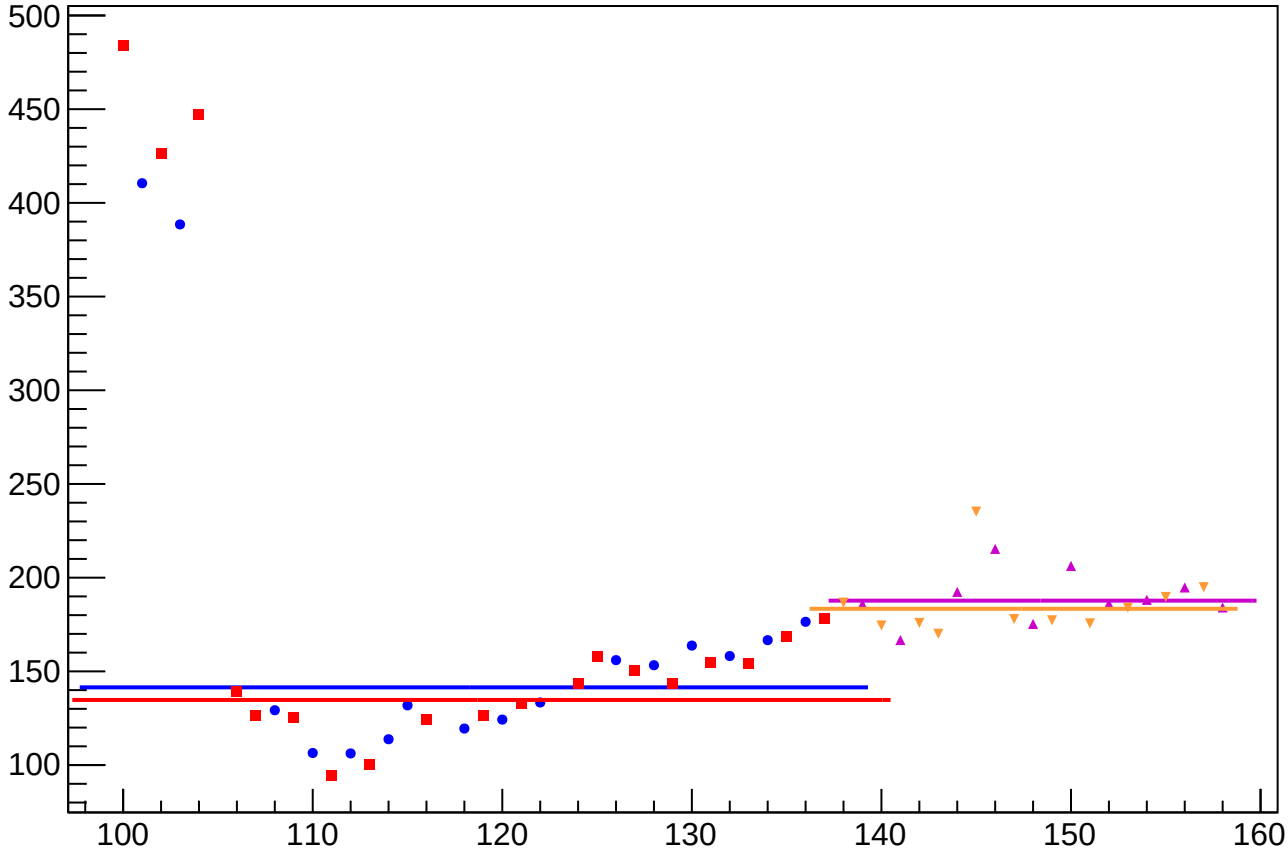
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 162063.741+/-0.043 χ^2/NDF:59524040870.6/2

Out: 161618.541+/-0.041 χ^2/NDF:60098917611.8/

All: 161830.732+/-0.029 χ^2/NDF: 11968020

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 183.407+/-0.045 χ^2/NDF:108769.1/10

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 187.736+/-0.045 χ^2/NDF:83234.9/9

Left: 185.530+/-0.032 χ^2/NDF: 196629.6/20

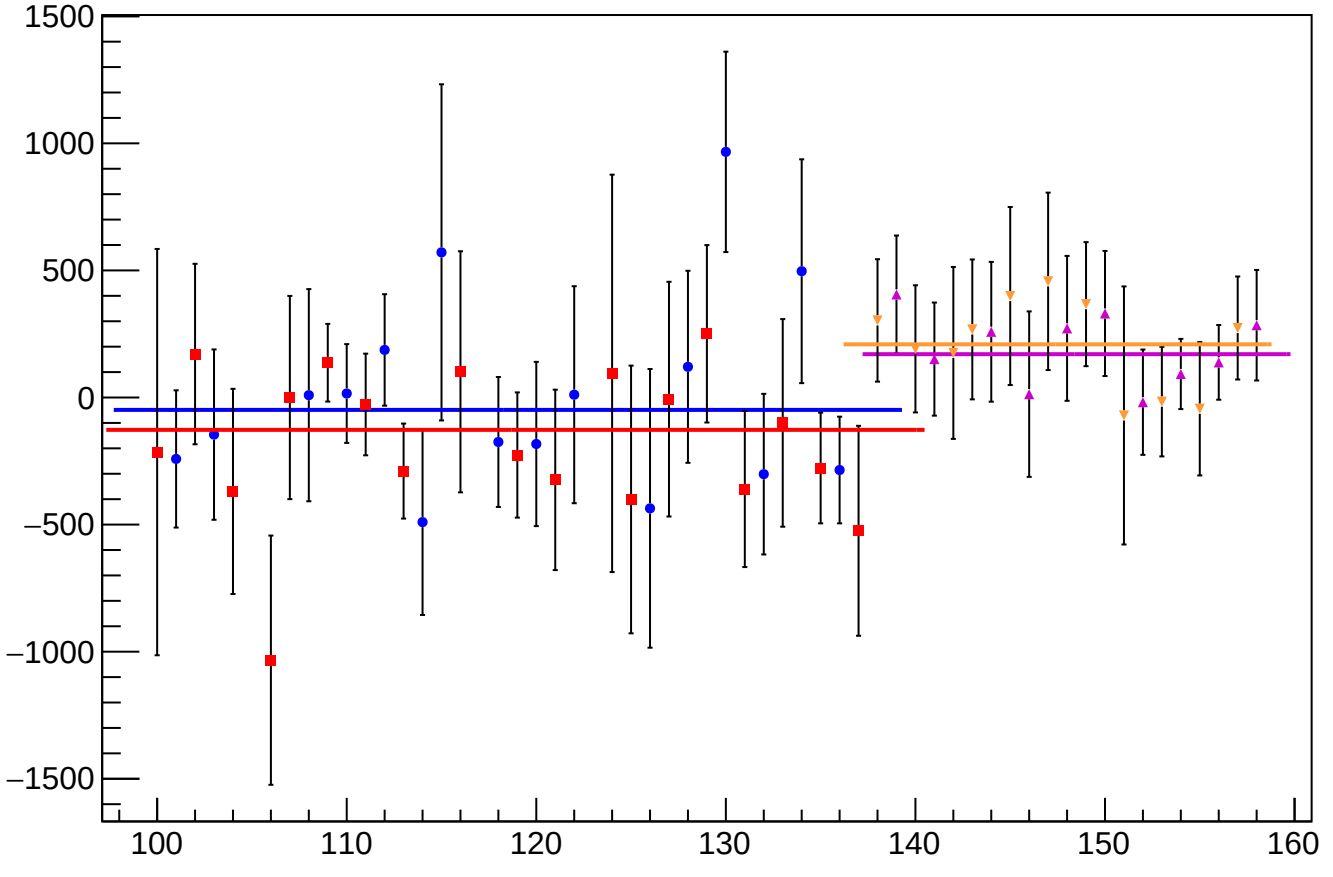
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 161.764+/-0.030 χ^2/NDF:2056942.7/25

Out: 154.958+/-0.029 χ^2/NDF:2384755.8/29

All: 158.202+/-0.021 χ^2/NDF: 4468462.6/55

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 209.241+/-80.945 χ^2/NDF:3.9/10

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 170.438+/-65.440 χ^2/NDF:3.4/9

Left: 185.775+/-50.890 χ^2/NDF: 7.4/20

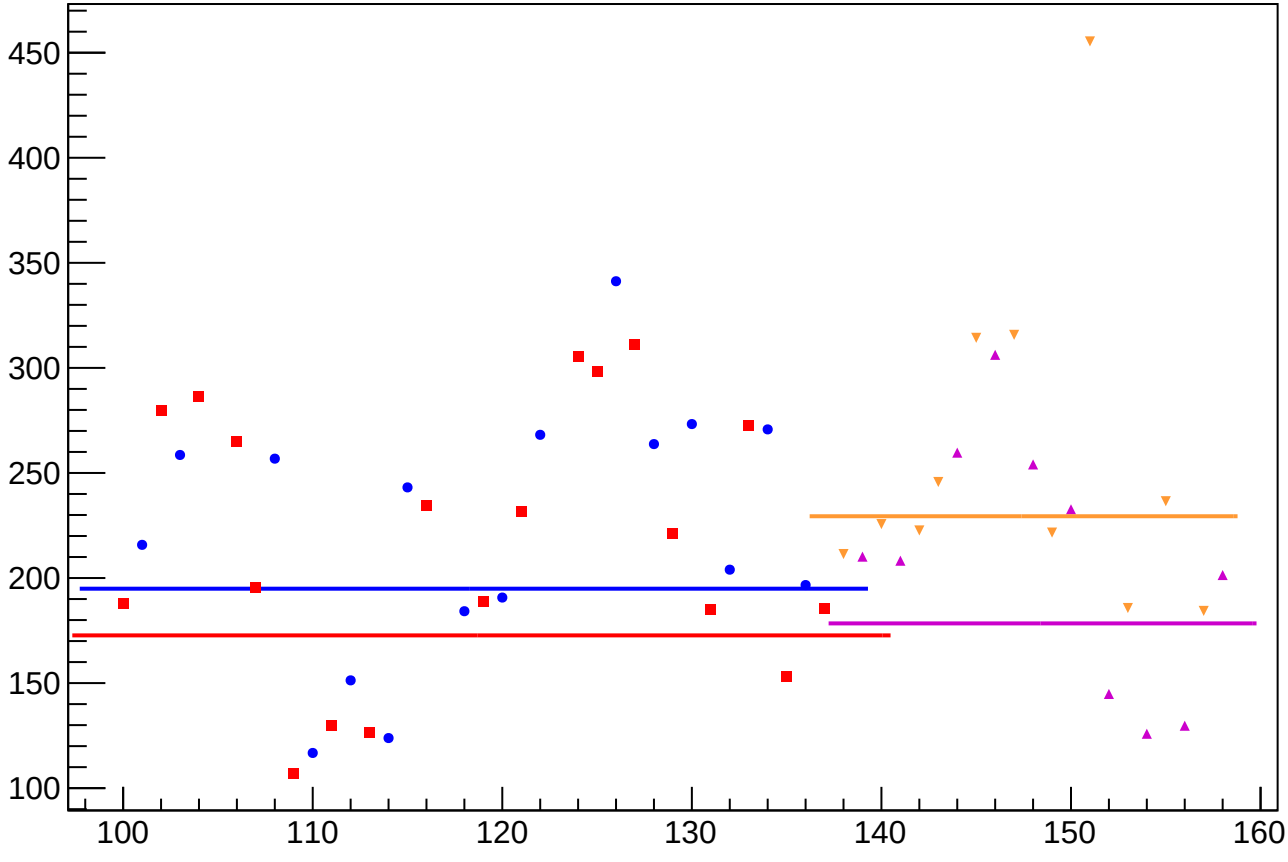
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 77.949+/-49.753 χ^2/NDF:23.6/25

Out: 13.182+/-52.292 χ^2/NDF:26.8/29

All: 47.176+/-36.045 χ^2/NDF: 51.2/55

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 229.399+/-0.057 χ^2/NDF:840050.1/10

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 178.408+/-0.046 χ^2/NDF:1378488.9/9

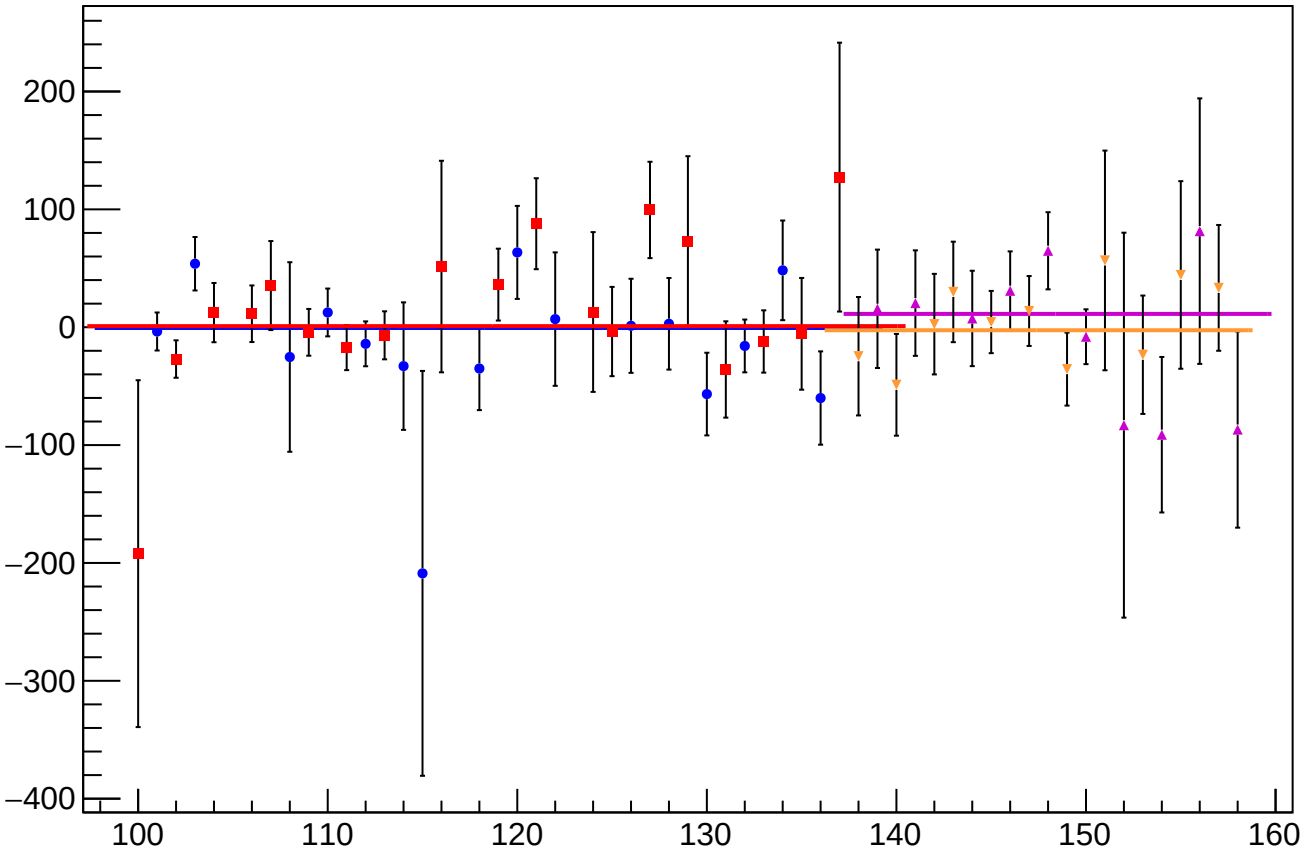
Left: 198.562+/-0.036 χ^2/NDF: 2698519.2/20

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 185.376+/-0.035 χ^2/NDF:2461140.5/25

Out: 196.365+/-0.037 χ^2/NDF:3043091.1/29

All: 190.598+/-0.025 χ^2/NDF: 5550588.5/55



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -2.573+/-12.247 χ^2/NDF:4.8/10

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 11.298+/-13.274 χ^2/NDF:8.3/9

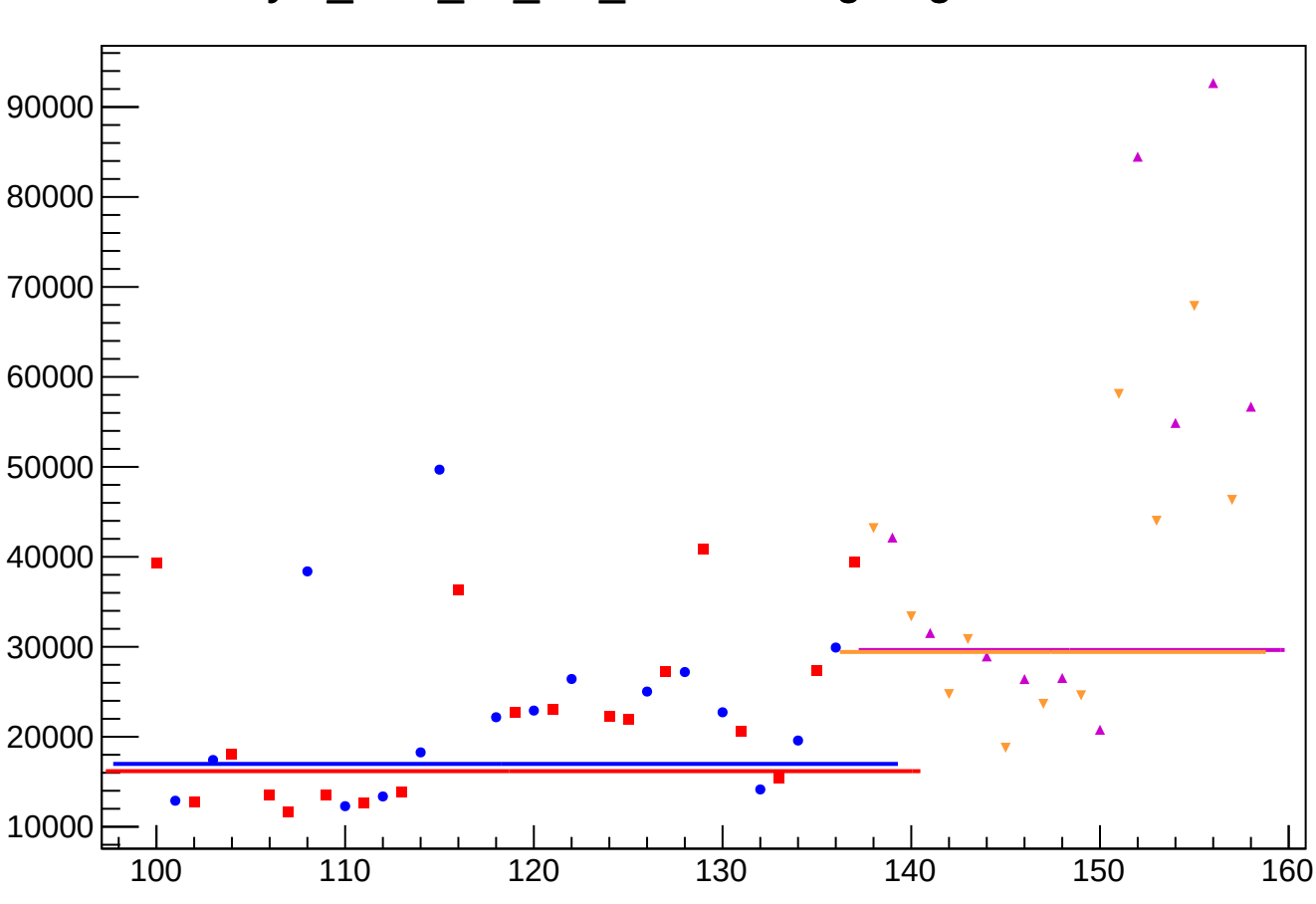
Left: 3.805+/-9.001 χ^2/NDF: 13.7/20

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.168+/-6.424 χ^2/NDF:27.8/25

Out: 0.116+/-5.923 χ^2/NDF:27.9/29

All: 1.059+/-4.354 χ^2/NDF: 55.8/55



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 29430.011+/-8.660 χ^2/NDF:1668132.7/10

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 29648.969+/-9.386 χ^2/NDF:1810649.9/9

Left: 29530.696+/-6.365 χ^2/NDF: 3479076.6/20

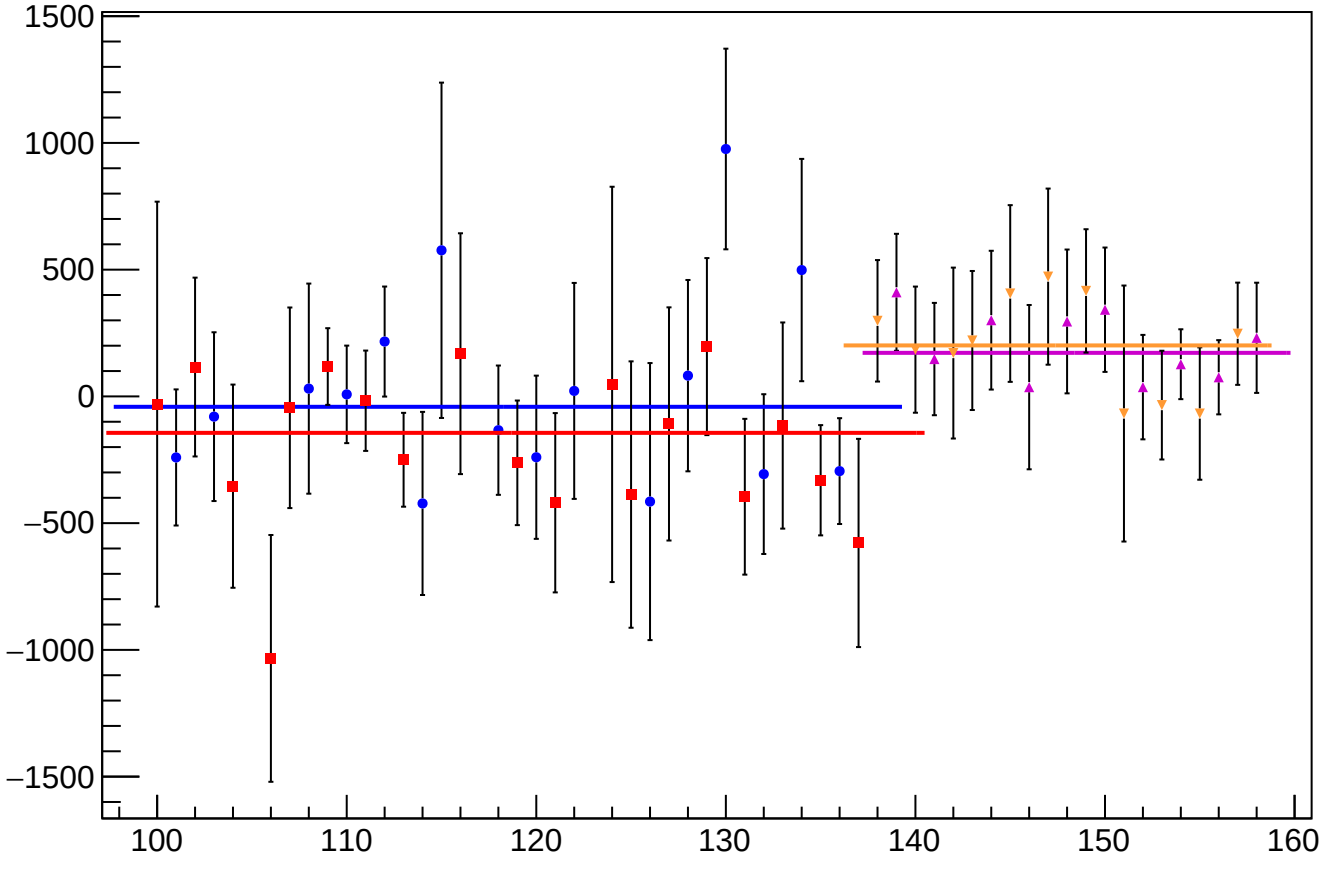
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 19951.832+/-4.542 χ^2/NDF:4398589.6/25

Out: 19280.619+/-4.188 χ^2/NDF:4712569.1/29

All: 19589.058+/-3.079 χ^2/NDF: 9122961.3/5

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 201.111+/-80.589 χ^2/NDF:4.5/10

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 171.829+/-65.219 χ^2/NDF:3.2/9

Left: 183.418+/-50.697 χ^2/NDF: 7.8/20

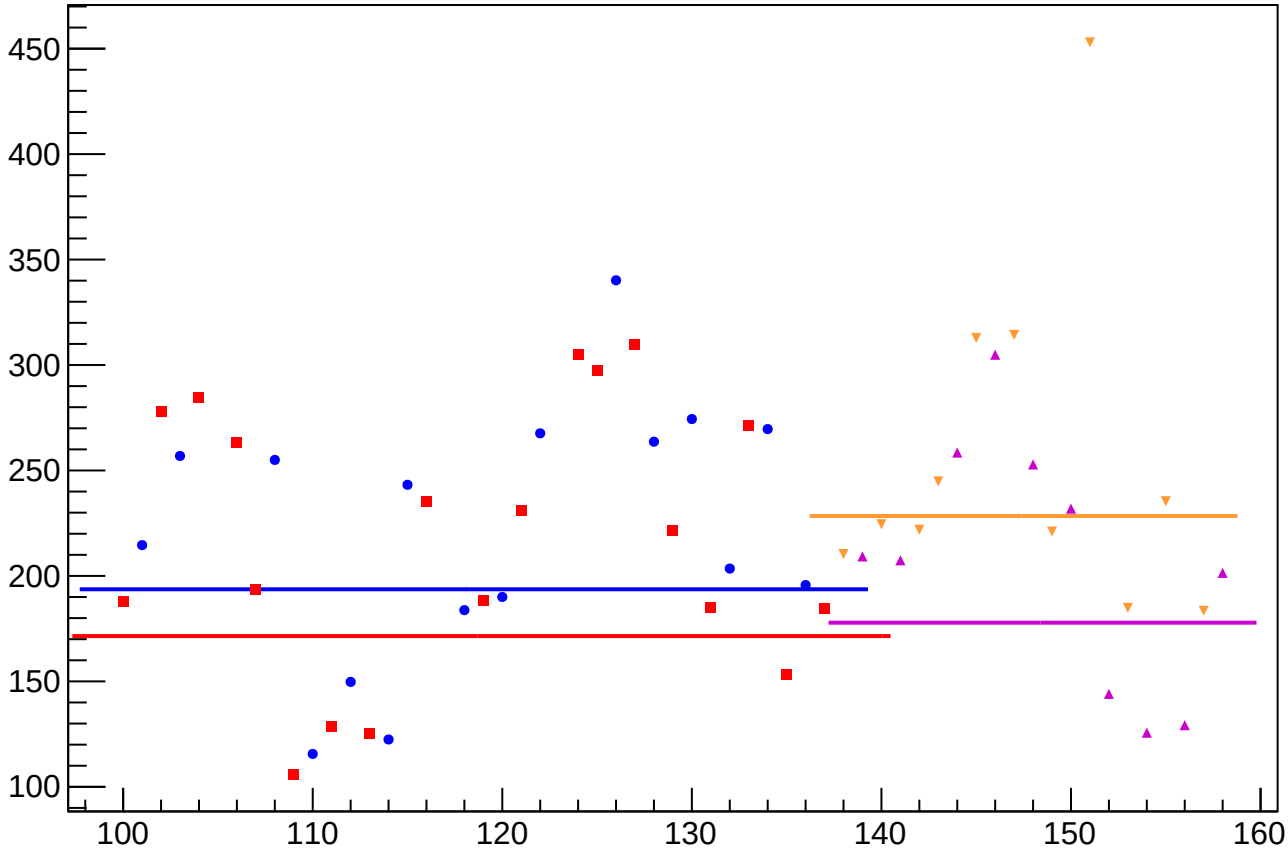
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 81.761+/-49.537 χ^2/NDF:23.2/25

Out: -0.174+/-52.007 χ^2/NDF:28.2/29

All: 42.786+/-35.869 χ^2/NDF: 52.7/55

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 228.395+/-0.057 χ^2/NDF:839617.7/10

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 177.838+/-0.046 χ^2/NDF:1374886.8/9

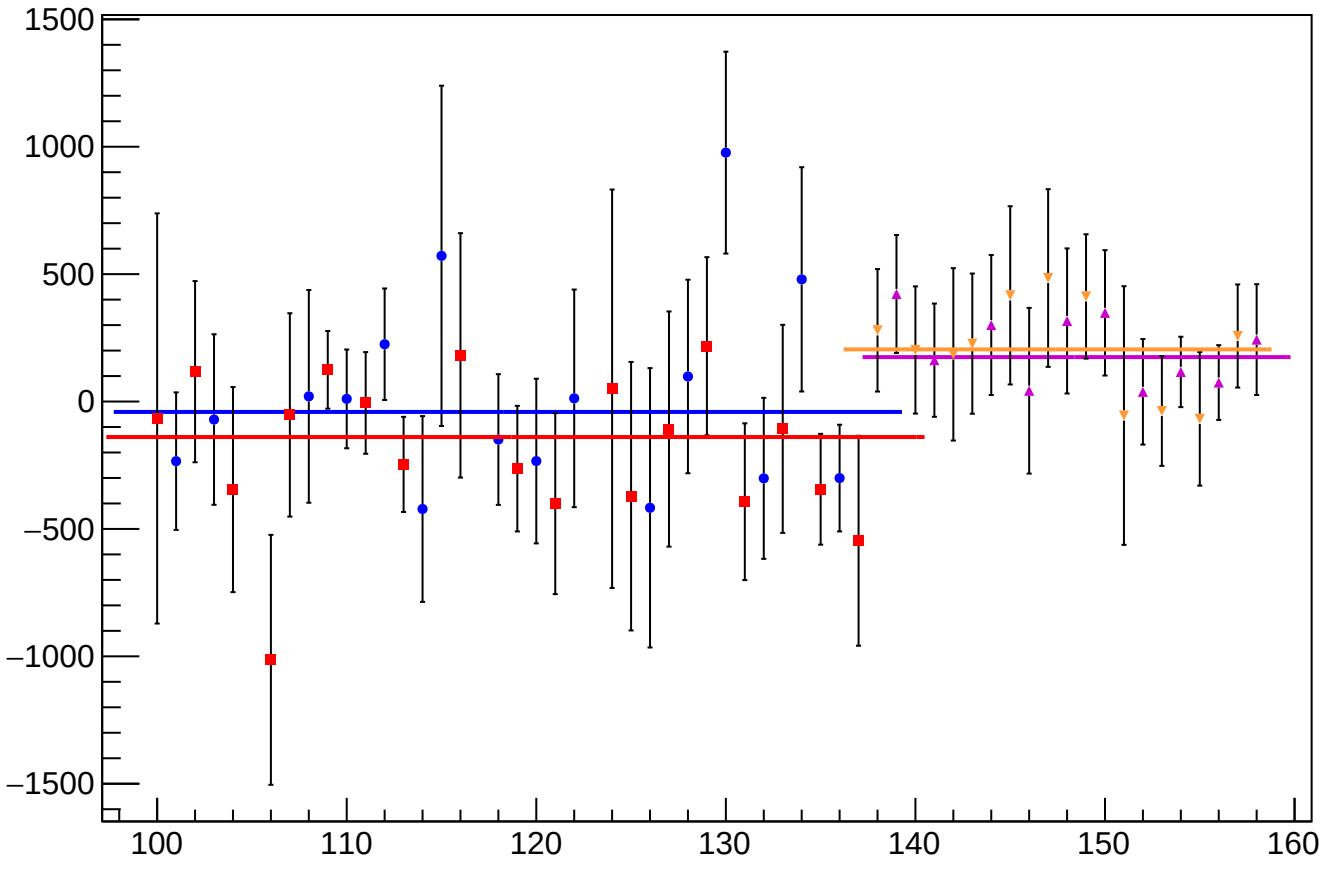
Left: 197.846+/-0.036 χ^2/NDF: 2690119.1/20

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 184.536+/-0.035 χ^2/NDF:2474526.7/25

Out: 195.184+/-0.037 χ^2/NDF:3074635.7/29

All: 189.602+/-0.025 χ^2/NDF: 5593118.9/55



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 204.668+/-80.863 χ^2/NDF:4.5/10

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 174.401+/-65.393 χ^2/NDF:3.4/9

Left: 186.369+/-50.847 χ^2/NDF: 8.0/20

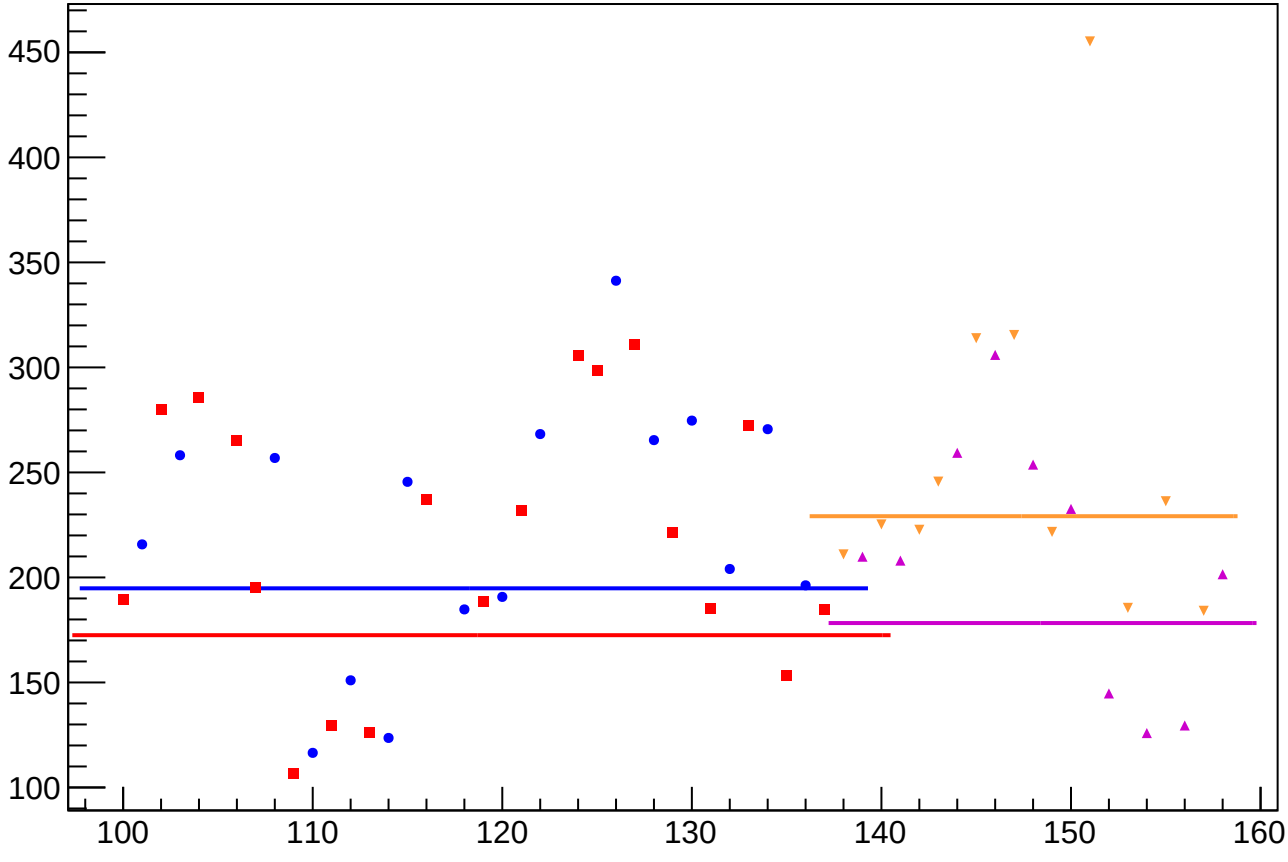
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 83.653+/-49.729 χ^2/NDF:23.4/25

Out: 4.312+/-52.249 χ^2/NDF:27.9/29

All: 45.942+/-36.022 χ^2/NDF: 52.5/55

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 229.156+/-0.057 χ^2/NDF:841013.7/10

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 178.286+/-0.046 χ^2/NDF:1377407.9/9

Left: 198.400+/-0.036 χ^2/NDF: 2696957.3/20

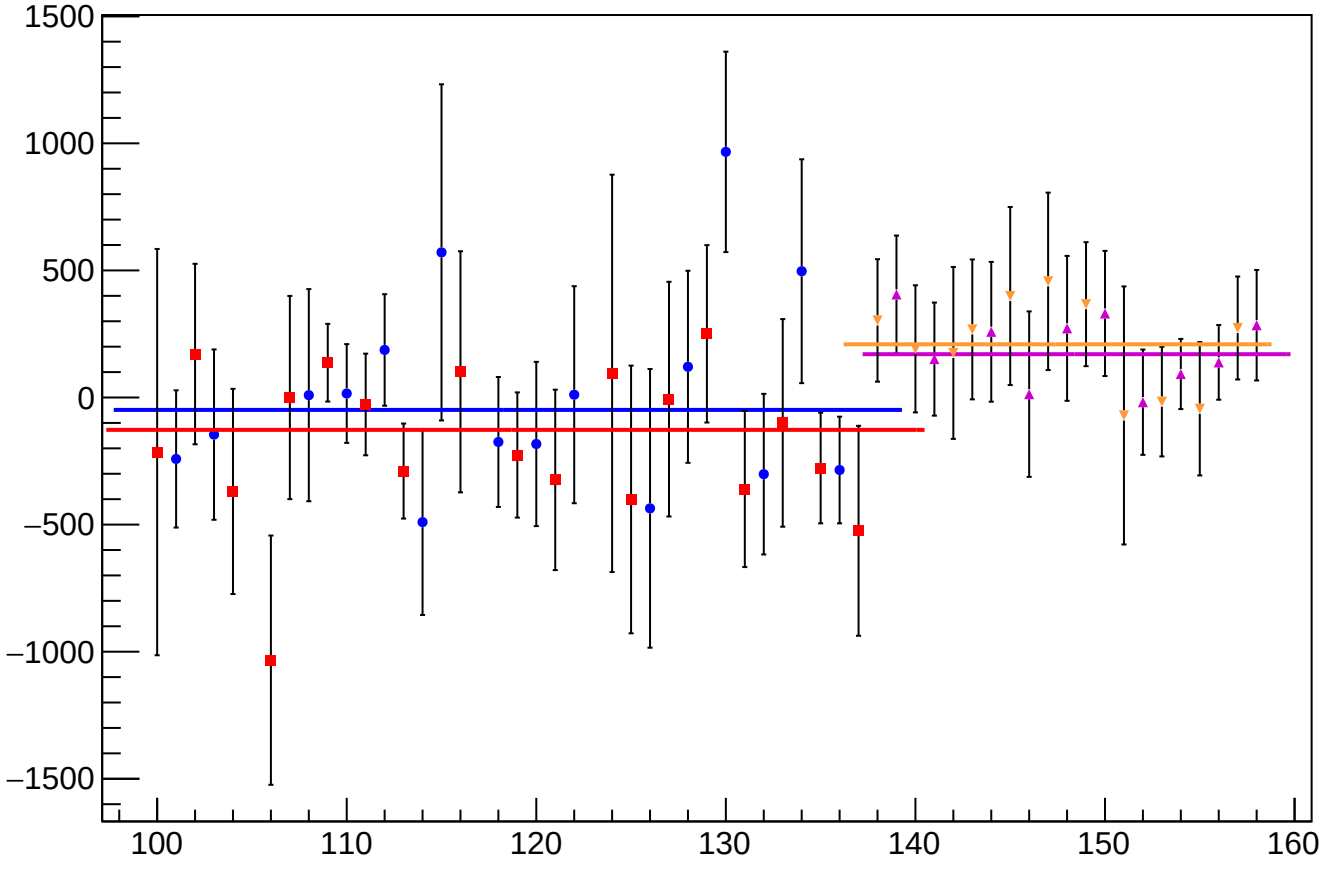
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 185.258+/-0.035 χ^2/NDF:2470417.8/25

Out: 196.158+/-0.037 χ^2/NDF:3054820.4/29

All: 190.439+/-0.025 χ^2/NDF: 5570905.1/55

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 209.241+/-80.945 χ^2/NDF:3.9/10

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 170.438+/-65.440 χ^2/NDF:3.4/9

Left: 185.775+/-50.890 χ^2/NDF: 7.4/20

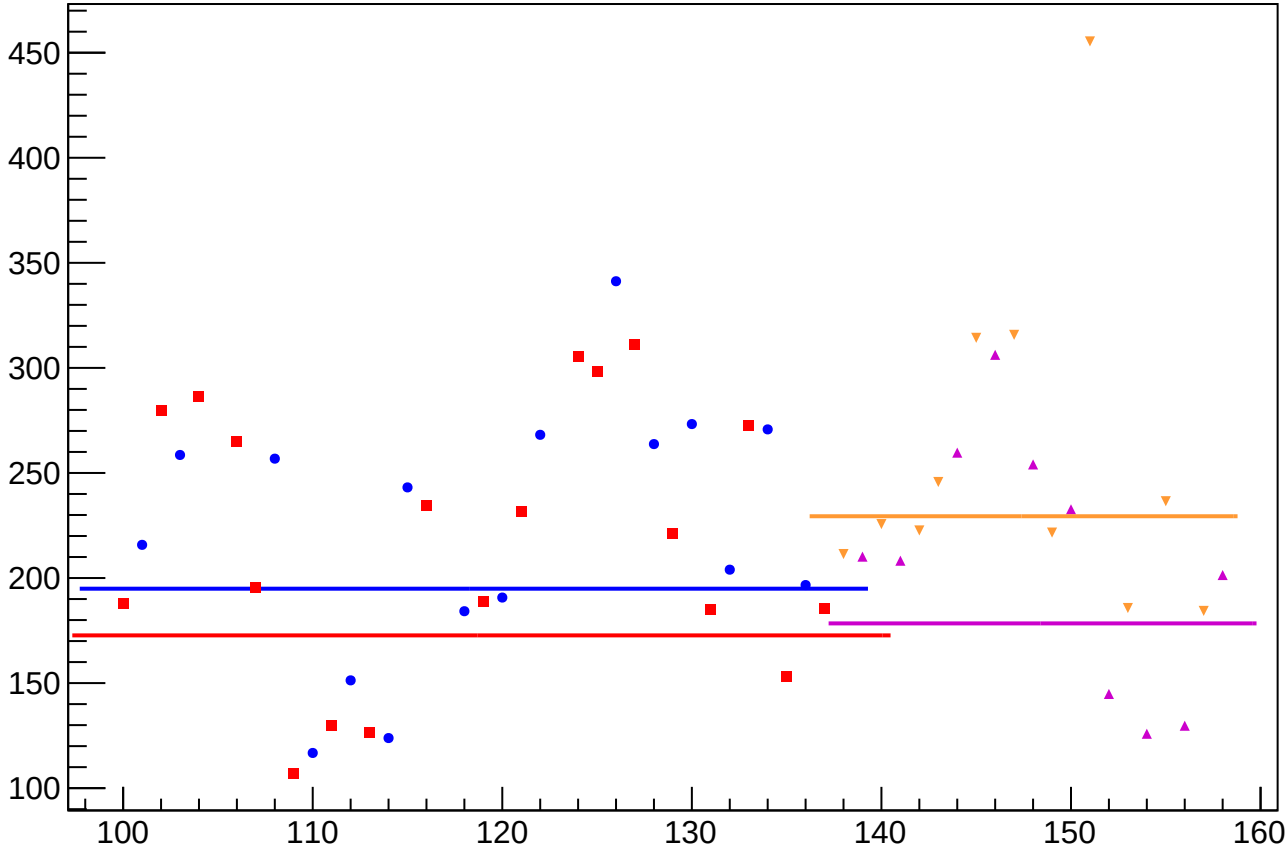
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 77.949+/-49.753 χ^2/NDF:23.6/25

Out: 13.182+/-52.292 χ^2/NDF:26.8/29

All: 47.176+/-36.045 χ^2/NDF: 51.2/55

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 229.399+/-0.057 χ^2/NDF:840050.1/10

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 178.408+/-0.046 χ^2/NDF:1378488.9/9

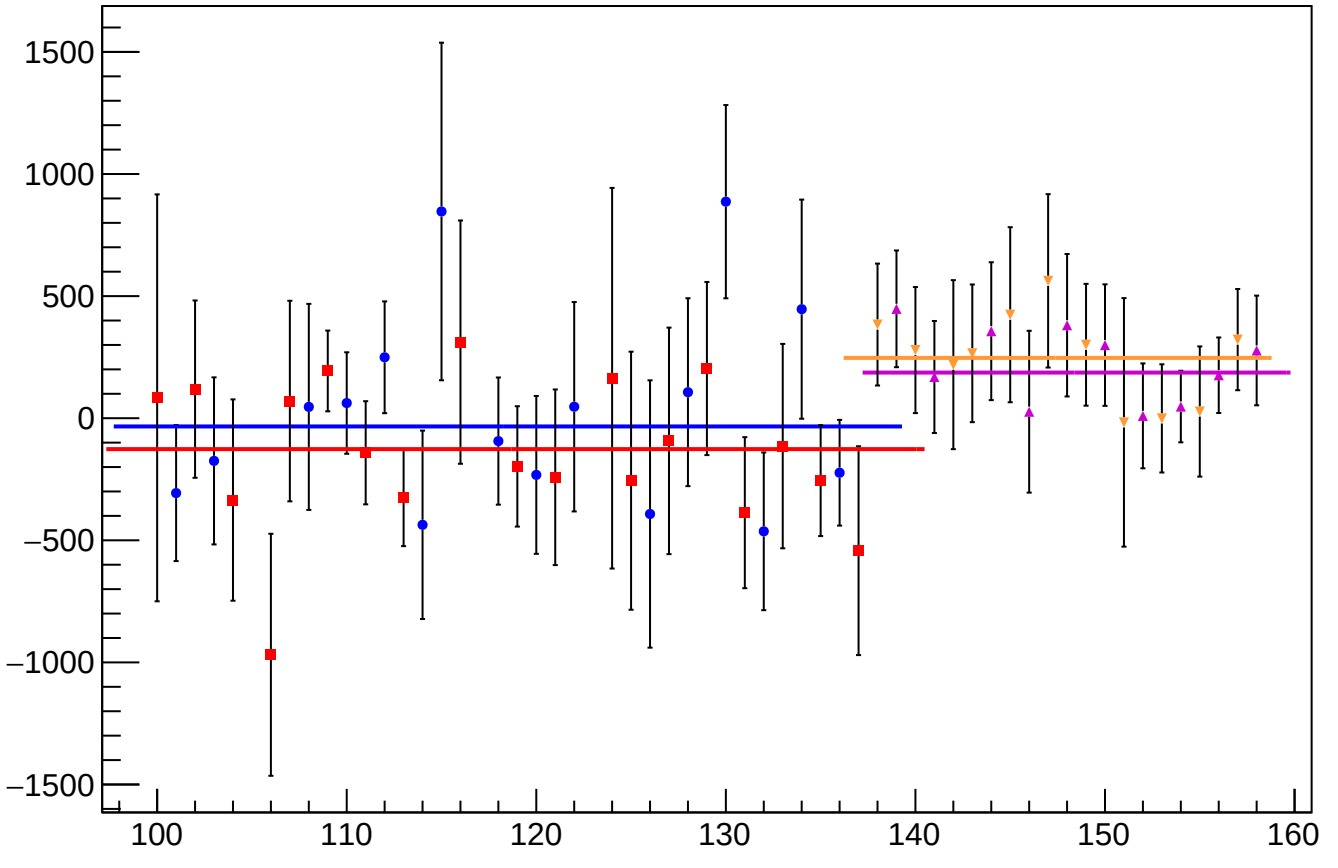
Left: 198.562+/-0.036 χ^2/NDF: 2698519.2/20

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 185.376+/-0.035 χ^2/NDF:2461140.5/25

Out: 196.365+/-0.037 χ^2/NDF:3043091.1/29

All: 190.598+/-0.025 χ^2/NDF: 5550588.5/55



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 247.053+/-82.940 χ^2/NDF:3.7/10

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 186.902+/-68.050 χ^2/NDF:4.2/9

Left: 211.103+/-52.609 χ^2/NDF: 8.2/20

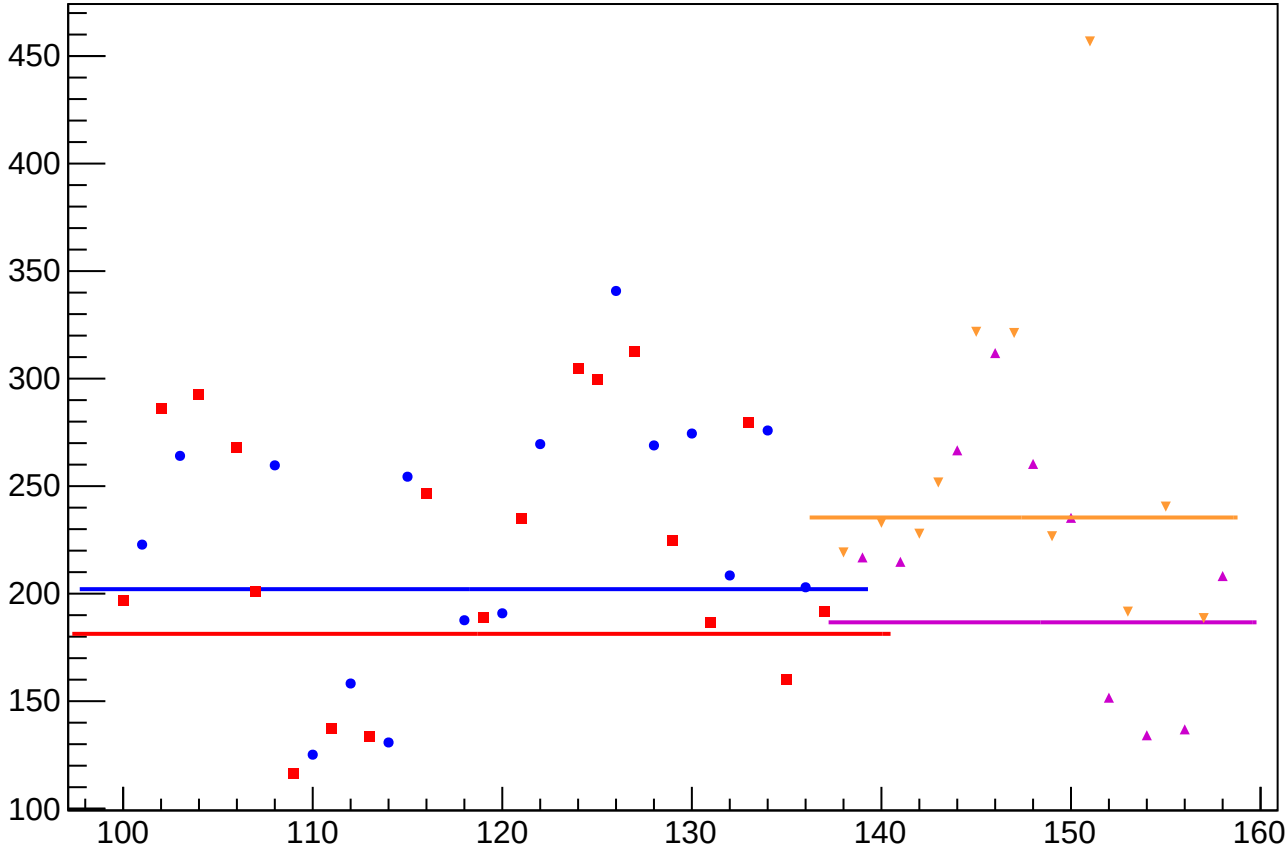
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 92.917+/-51.558 χ^2/NDF:24.4/25

Out: 32.232+/-54.072 χ^2/NDF:28.1/29

All: 64.018+/-37.314 χ^2/NDF: 53.2/55

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 235.423+/-0.059 χ^2/NDF:810795.3/10

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 186.668+/-0.048 χ^2/NDF:1247615.1/9

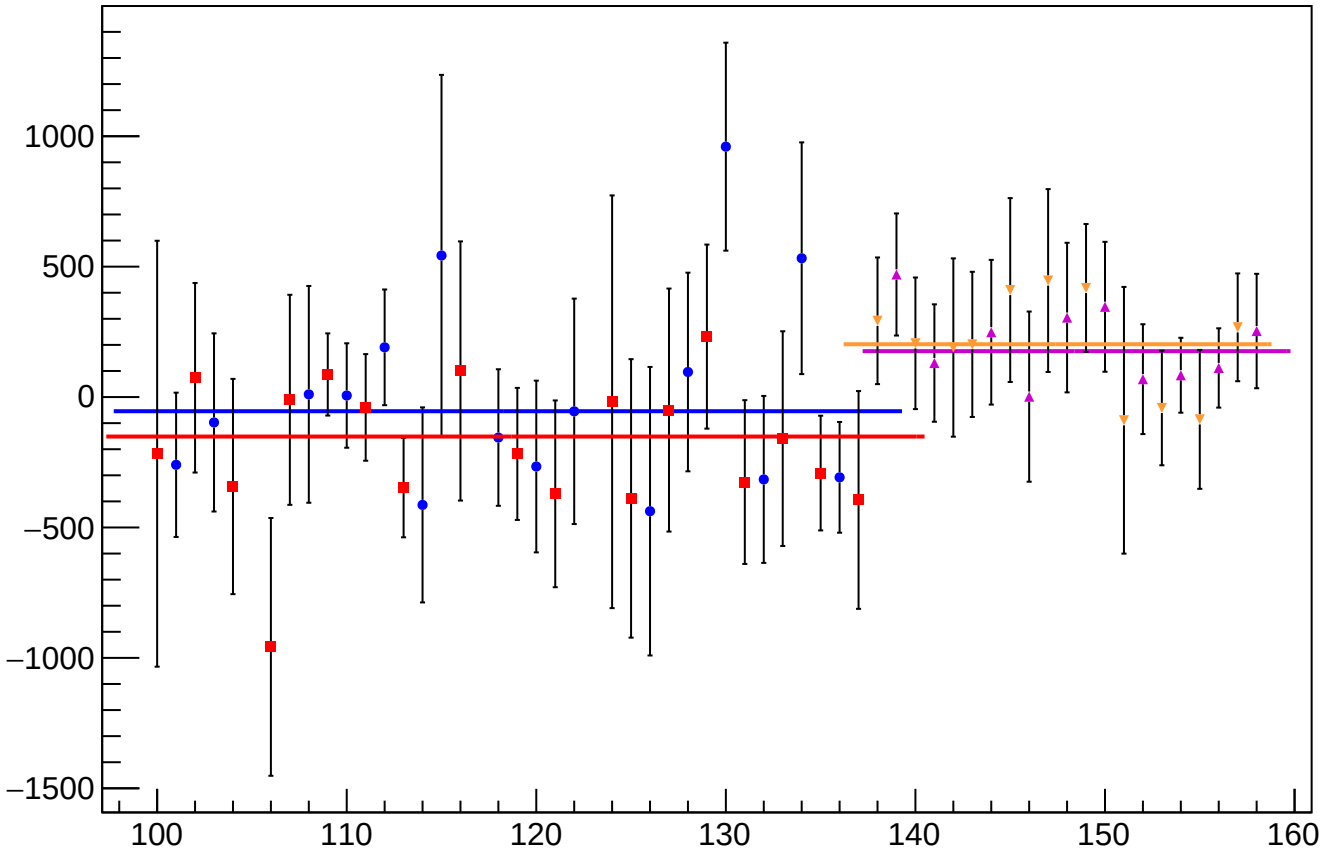
Left: 206.284+/-0.037 χ^2/NDF: 2471461.8/20

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 193.237+/-0.036 χ^2/NDF:2201630.5/25

Out: 204.311+/-0.038 χ^2/NDF:2741255.9/29

All: 198.511+/-0.026 χ^2/NDF: 4986819.4/55



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 202.484+/-81.914 χ^2/NDF:4.6/10

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 176.002+/-66.850 χ^2/NDF:3.6/9

Left: 186.589+/-51.792 χ^2/NDF: 8.3/20

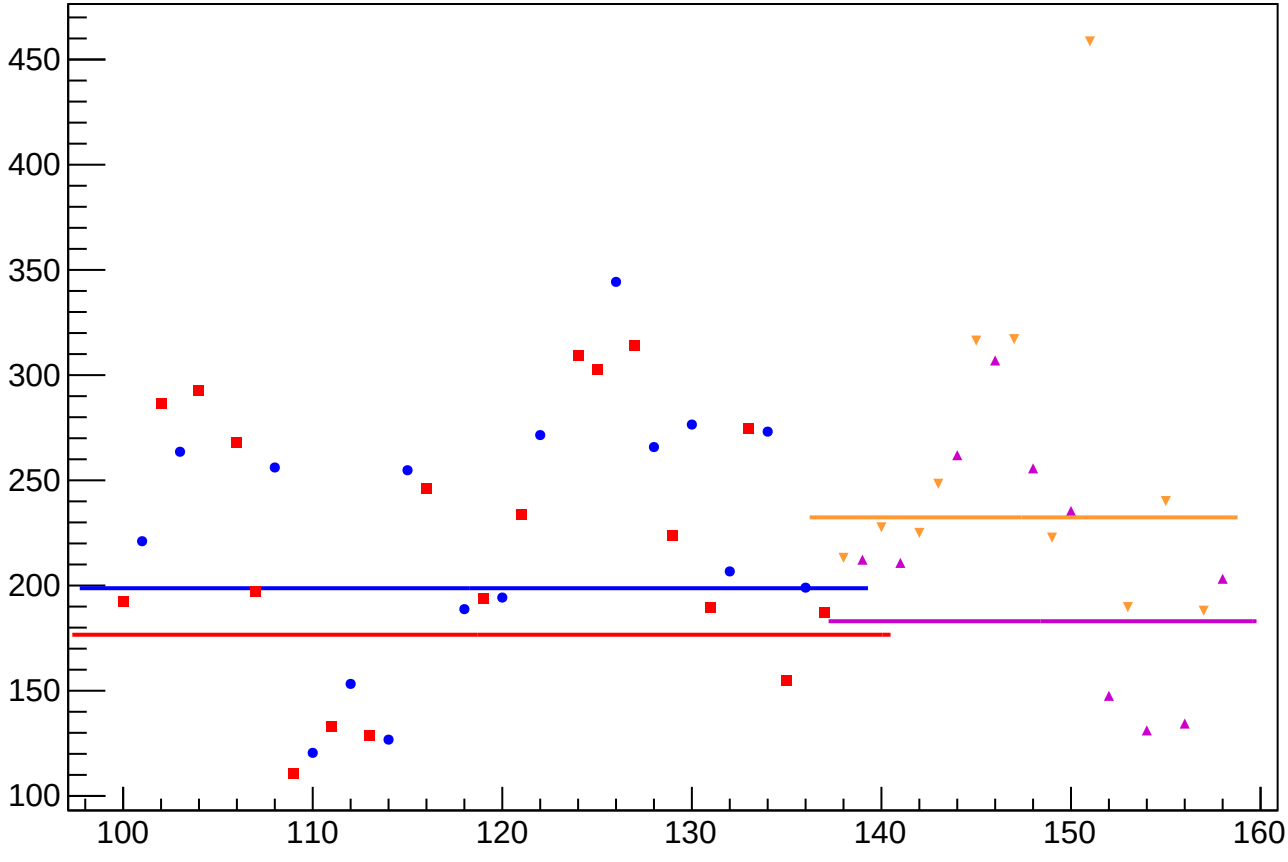
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 78.417+/-50.744 χ^2/NDF:23.7/25

Out: -2.261+/-53.173 χ^2/NDF:25.6/29

All: 39.963+/-36.710 χ^2/NDF: 50.5/55

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 232.391+/-0.058 χ^2/NDF:814989.1/10

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 183.036+/-0.047 χ^2/NDF:1268418.9/9

Left: 202.766+/-0.037 χ^2/NDF: 2519224.5/20

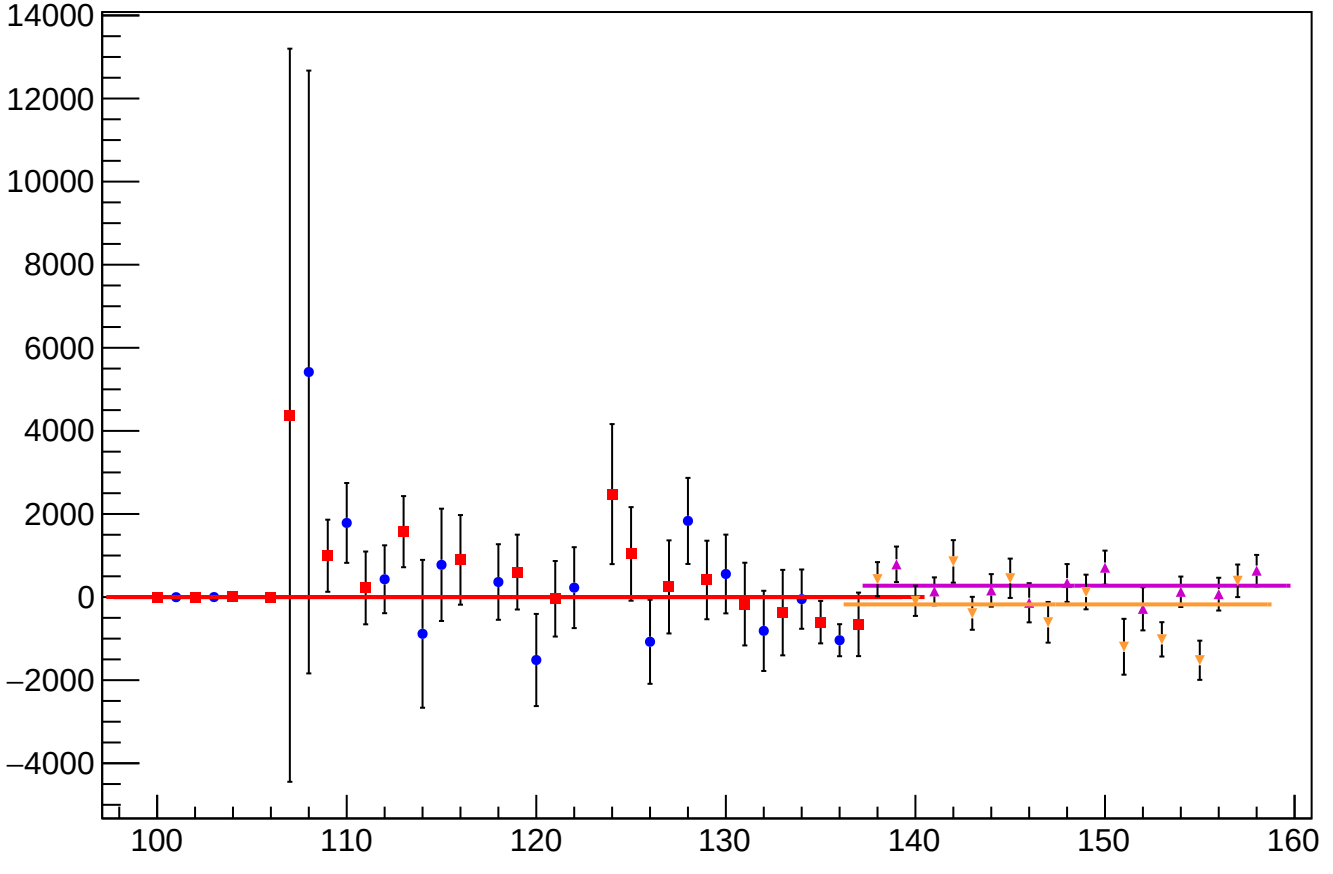
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 189.682+/-0.036 χ^2/NDF:2309135.9/25

Out: 200.121+/-0.038 χ^2/NDF:2947131.6/29

All: 194.658+/-0.026 χ^2/NDF: 5296608.3/55

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -176.376+/-132.357 χ^2/NDF:26.3/10

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 273.575+/-128.365 χ^2/NDF:6.1/9

Left: 55.487+/-92.147 χ^2/NDF: 38.4/20

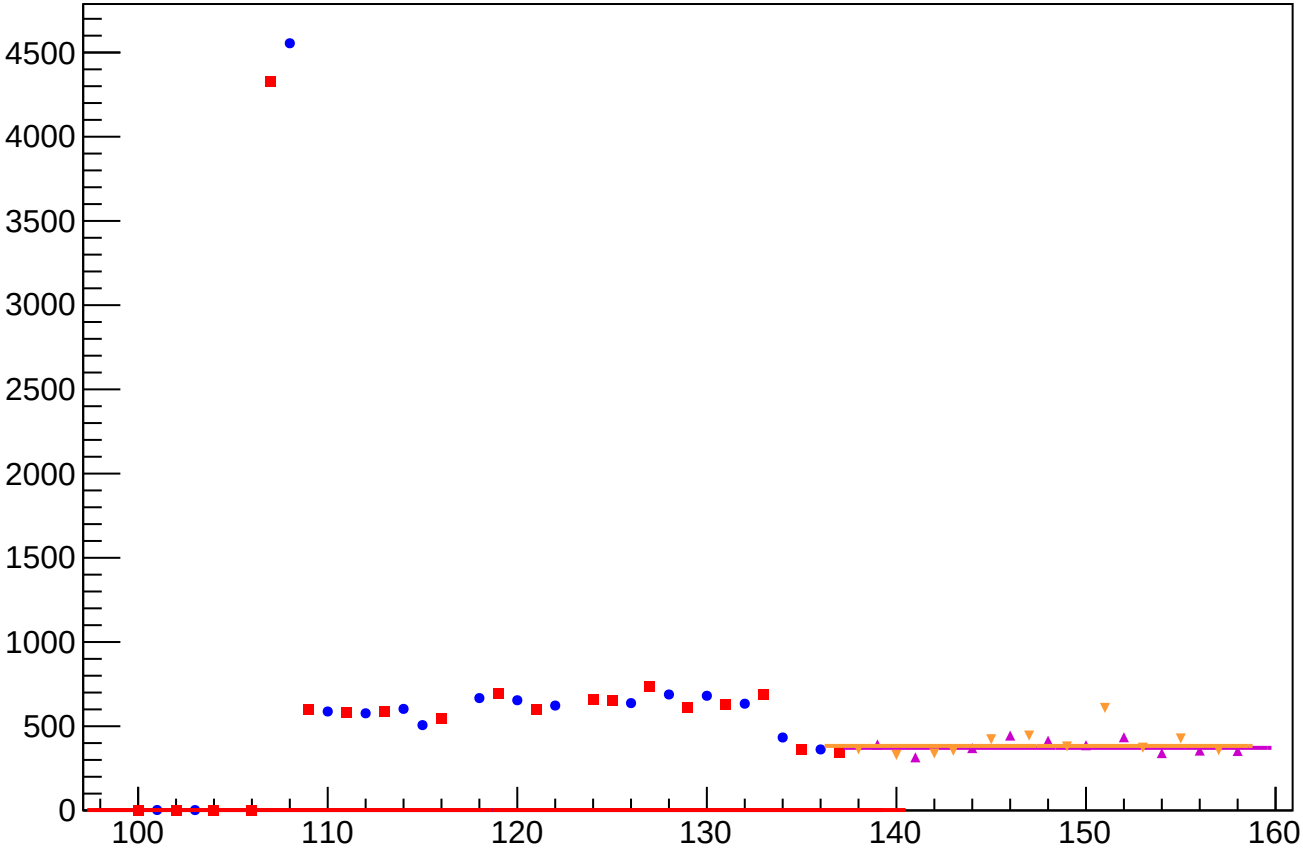
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.160+/-2.171 χ^2/NDF:30.6/25

Out: 1.336+/-2.022 χ^2/NDF:45.0/29

All: 0.176+/-1.480 χ^2/NDF: 76.3/55

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 383.228+/-0.094 χ^2/NDF:372377.9/10

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 371.671+/-0.091 χ^2/NDF:180818.9/9

Left: 377.272+/-0.065 χ^2/NDF: 561054.7/20

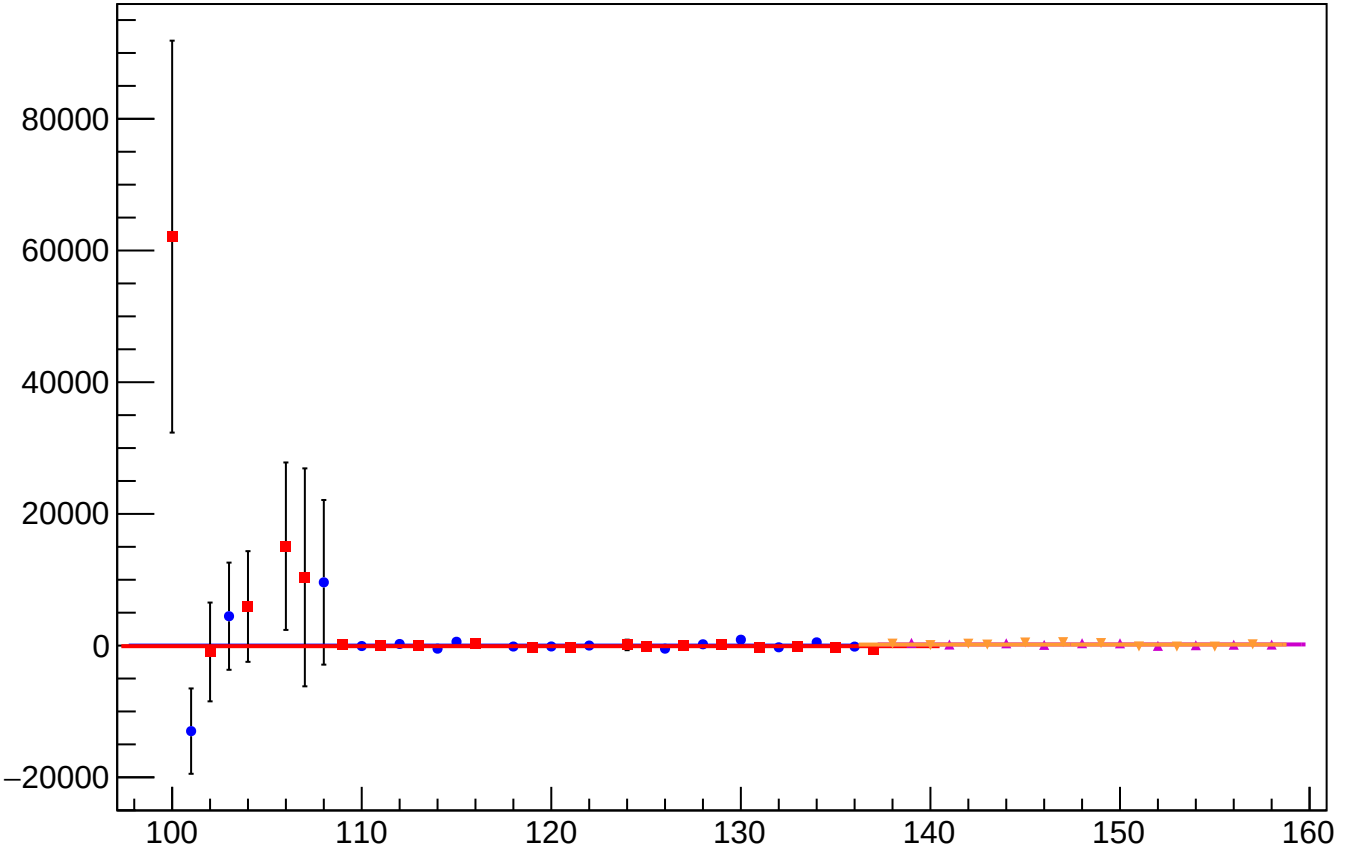
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.582+/-0.002 χ^2/NDF:28346518.6/25

Out: 2.551+/-0.001 χ^2/NDF:28466012.5/29

All: 2.566+/-0.001 χ^2/NDF: 56812752.5/55

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 159.495+/-87.583 χ^2/NDF:6.0/10

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 176.858+/-72.254 χ^2/NDF:3.7/9

Left: 169.826+/-55.735 χ^2/NDF: 9.6/20

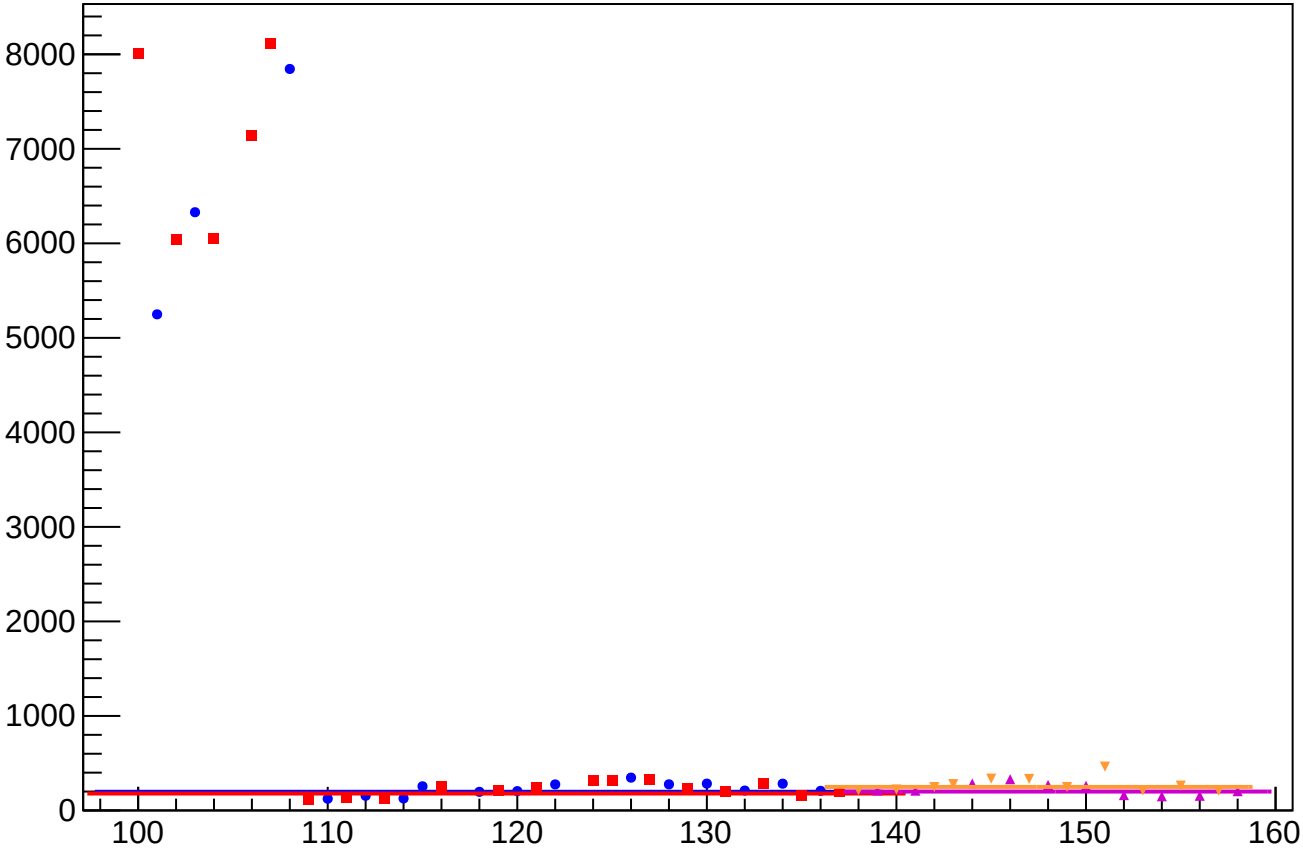
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 105.701+/-55.797 χ^2/NDF:22.9/25

Out: 26.966+/-59.705 χ^2/NDF:25.1/29

All: 68.994+/-40.766 χ^2/NDF: 48.9/55

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 249.077+/-0.062 χ^2/NDF:766793.5/10

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 199.911+/-0.051 χ^2/NDF:1019035.2/9

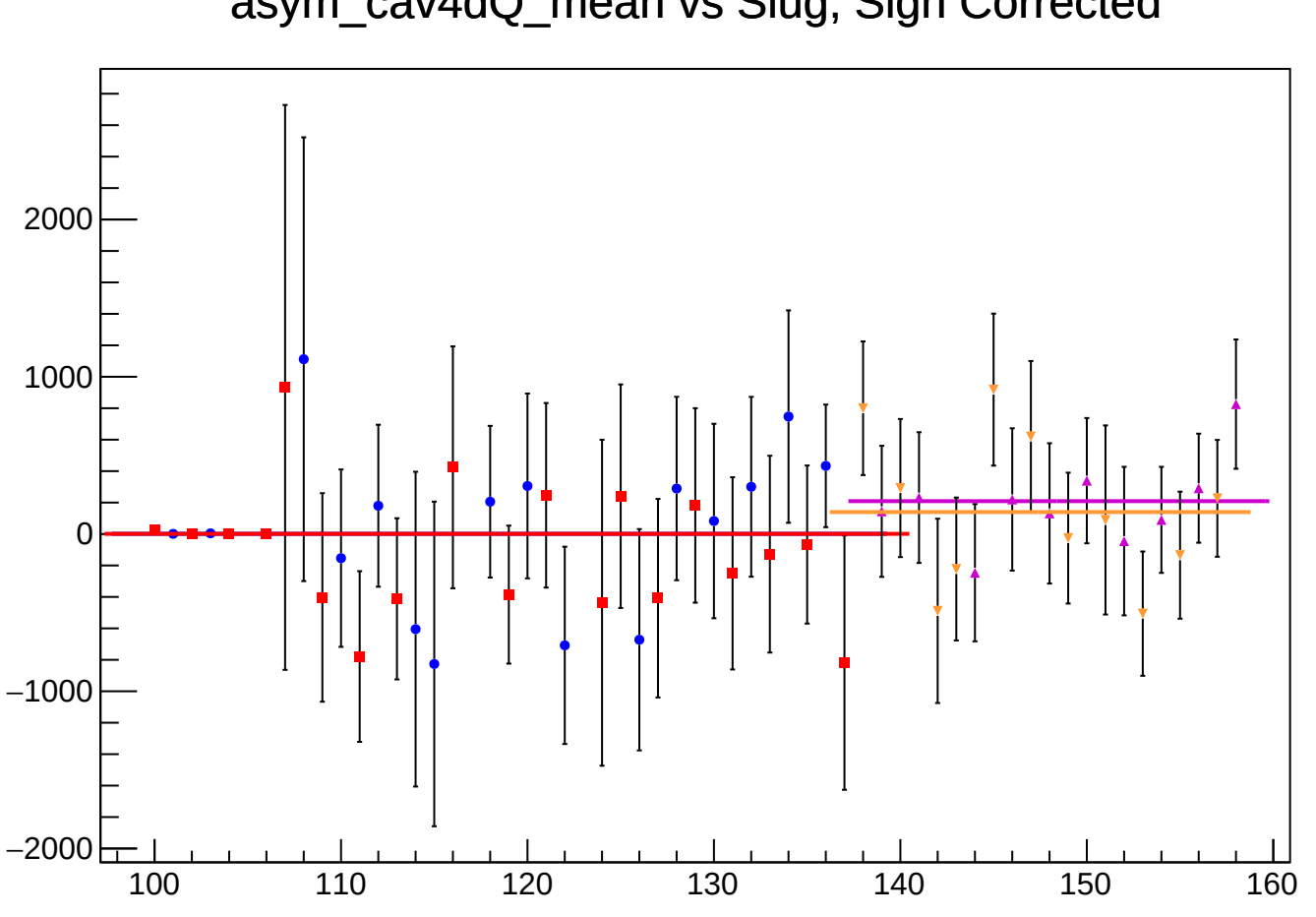
Left: 219.822+/-0.039 χ^2/NDF: 2160849.8/20

Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 198.986+/-0.039 χ^2/NDF:4977039.7/25

Out: 211.699+/-0.042 χ^2/NDF:5865713.4/29

All: 204.913+/-0.029 χ^2/NDF: 10891157.1/55



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 139.626+/-134.328 χ^2/NDF:11.3/10

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 209.082+/-128.535 χ^2/NDF:4.0/9

Left: 175.884+/-92.868 χ^2/NDF: 15.4/20

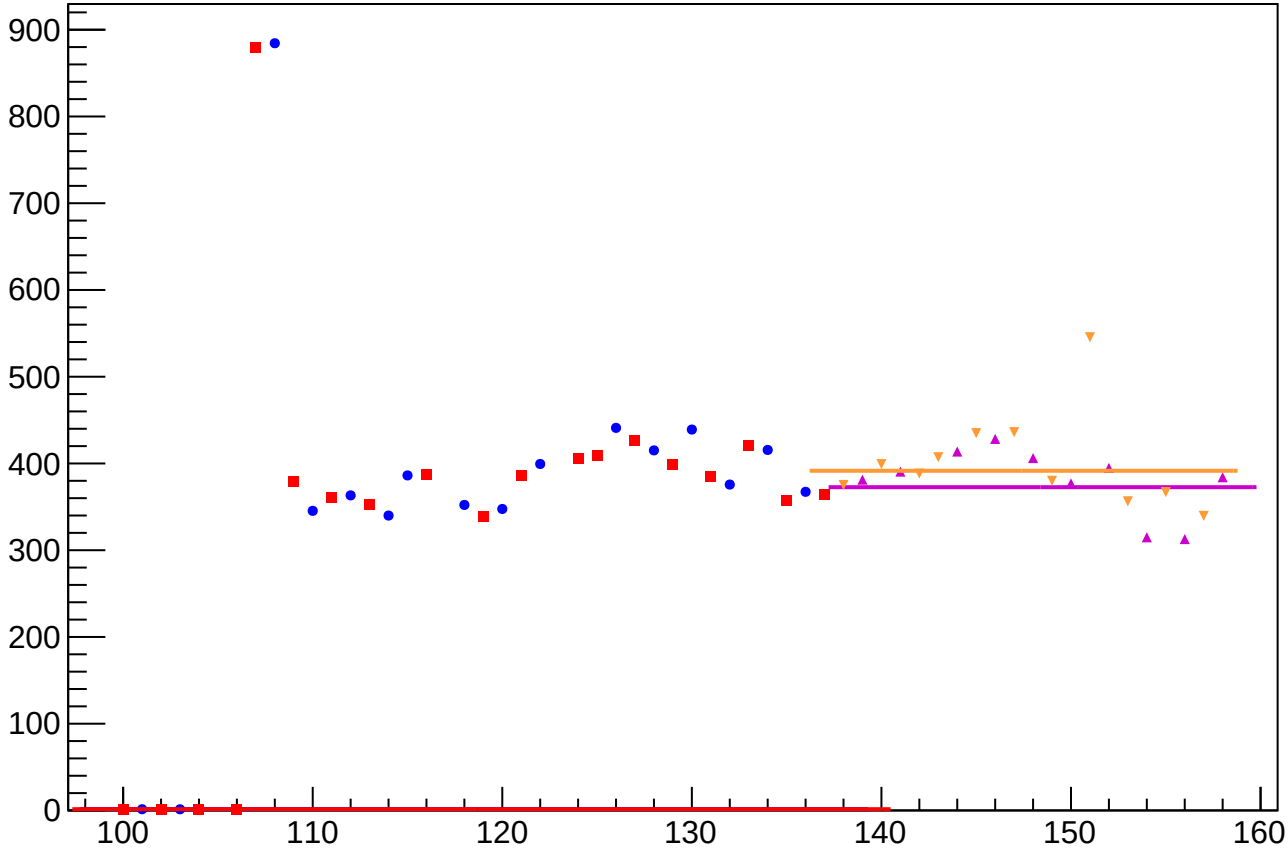
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.490+/-1.660 χ^2/NDF:14.5/25

Out: 1.111+/-1.528 χ^2/NDF:21.5/29

All: 1.285+/-1.124 χ^2/NDF: 36.0/55

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 391.583+/-0.095 χ^2/NDF:234383.5/10

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 372.663+/-0.091 χ^2/NDF:188412.1/9

Left: 381.706+/-0.066 χ^2/NDF: 443509.4/20

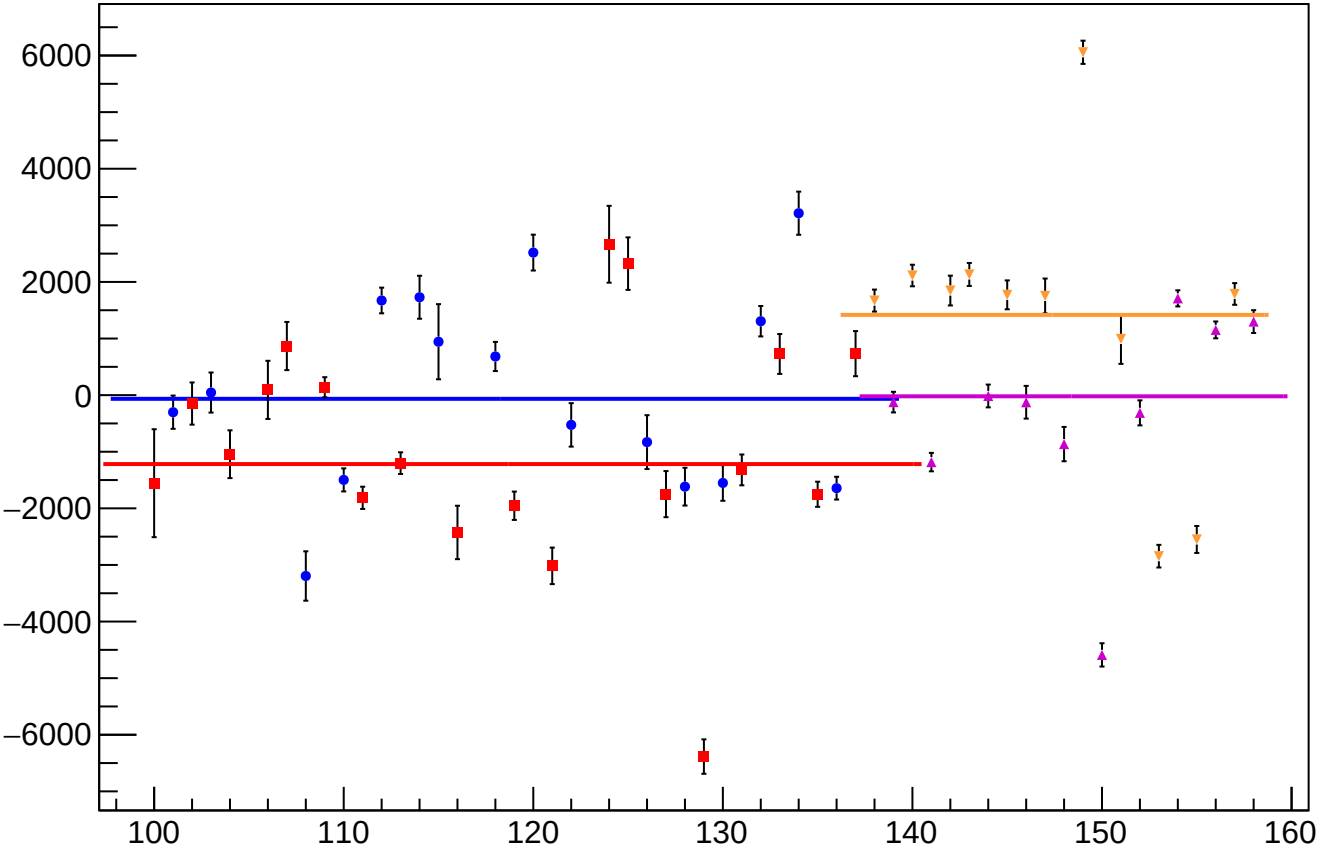
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.532+/-0.001 χ^2/NDF:28600448.6/25

Out: 1.518+/-0.001 χ^2/NDF:28371572.3/29

All: 1.524+/-0.001 χ^2/NDF: 56972103.3/55

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1417.914+/-67.834 χ^2/NDF:1280.5/10

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -20.618+/-59.912 χ^2/NDF:805.6/9

Left: 609.771+/-44.905 χ^2/NDF: 2338.8/20

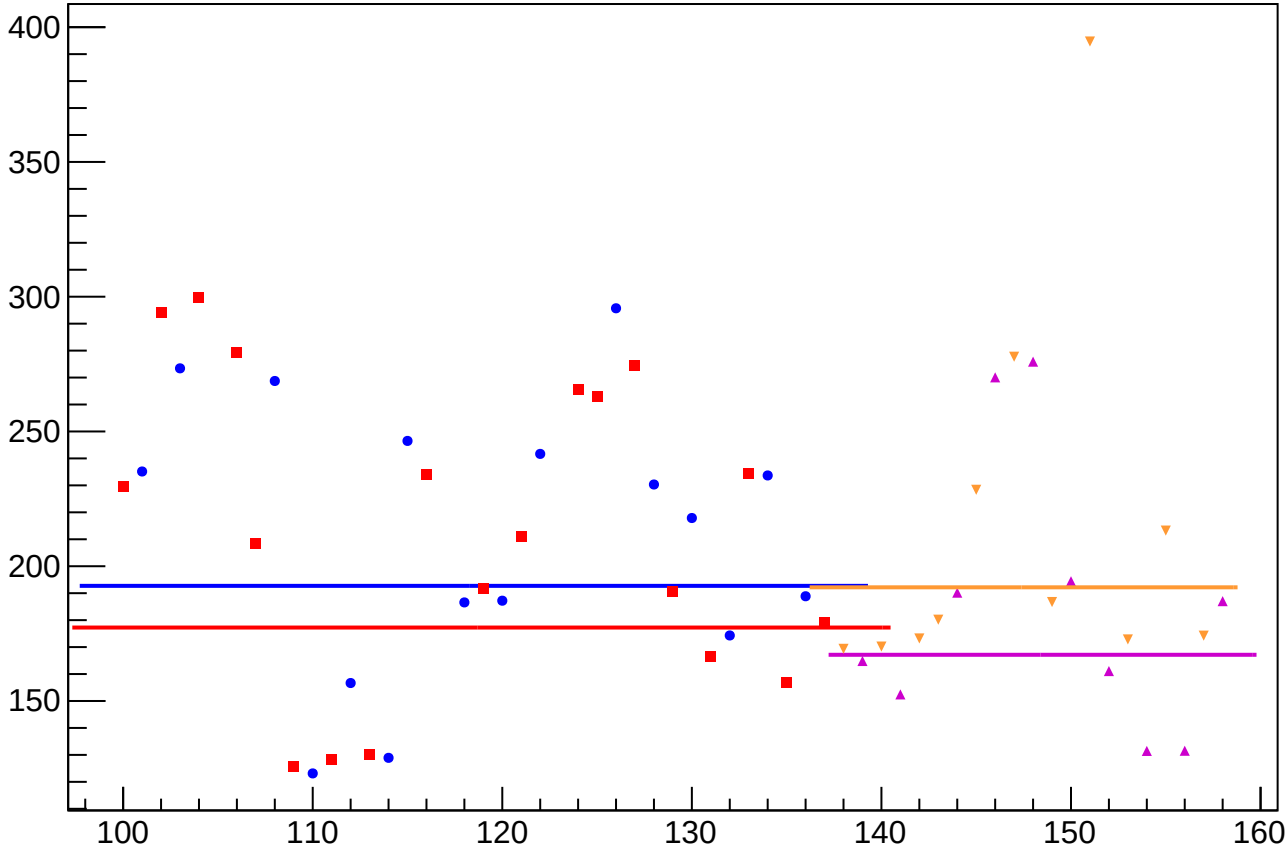
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -37.934+/-46.784 χ^2/NDF:1275.3/25

Out: 122.908+/-48.381 χ^2/NDF:2616.9/29

All: 39.790+/-33.632 χ^2/NDF: 3897.9/55

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 192.173+/-0.048 χ^2/NDF:742316.6/10

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 167.141+/-0.042 χ^2/NDF:849890.8/9

Left: 178.111+/-0.032 χ^2/NDF: 1745206.3/20

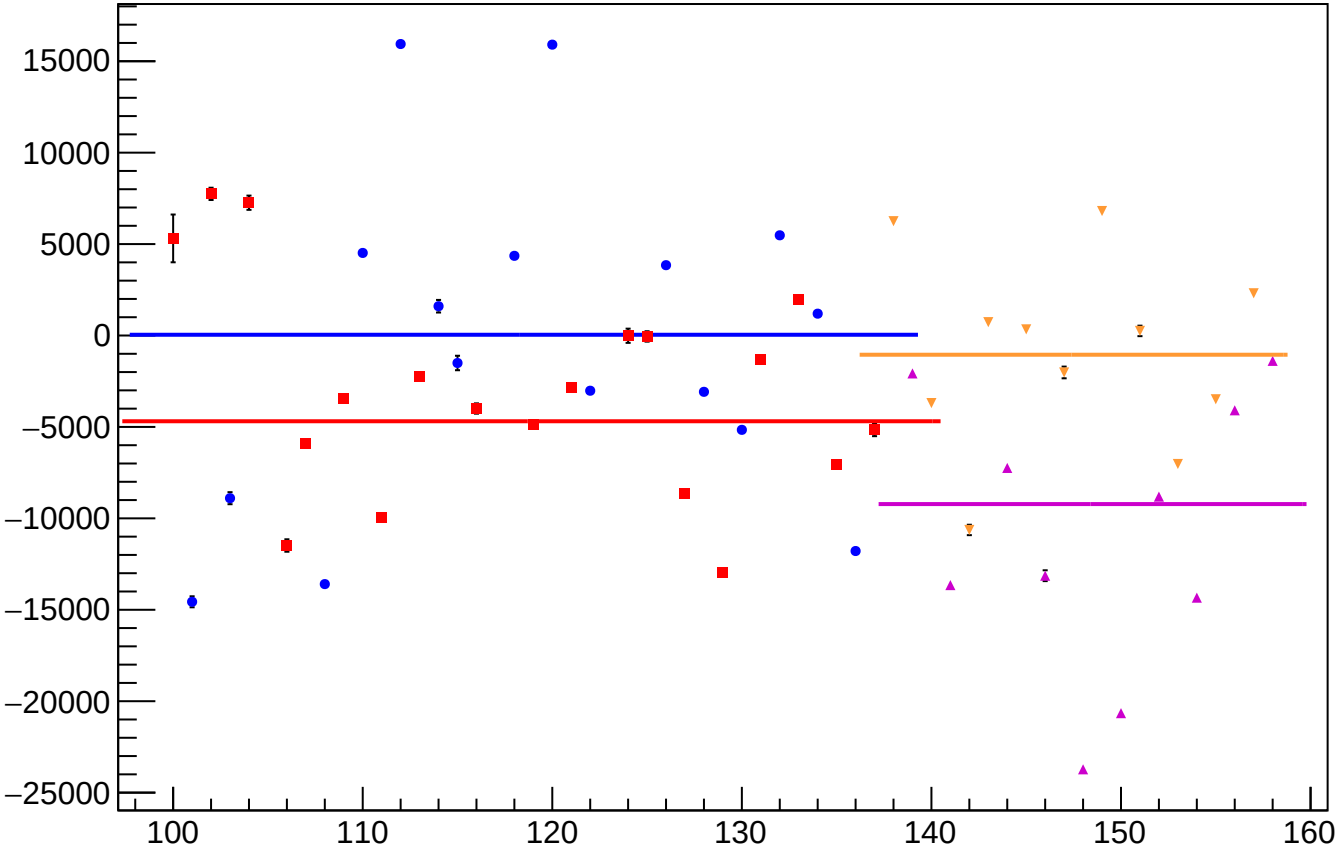
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 177.122+/-0.033 χ^2/NDF:1751279.1/25

Out: 184.842+/-0.034 χ^2/NDF:2016047.7/29

All: 180.852+/-0.024 χ^2/NDF: 3793641.1/55

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1051.393+/-60.652 χ^2/NDF:6562.3/10

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -9218.937+/-60.616 χ^2/NDF:12984.8/9

Left: -5137.647+/-42.875 χ^2/NDF: 28619.4/20

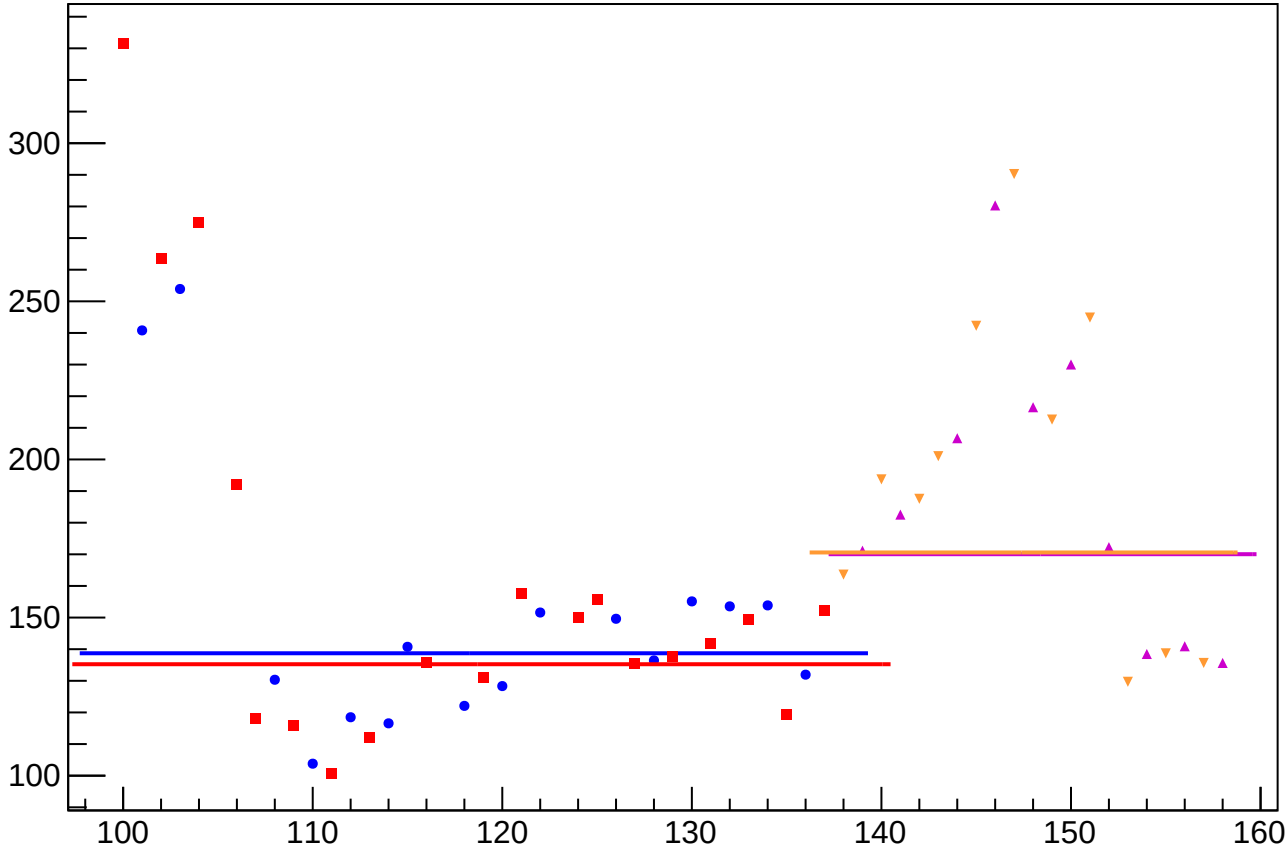
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4073.092+/-40.403 χ^2/NDF:56739.6/25

Out: -3145.114+/-39.519 χ^2/NDF:16428.7/29

All: -3598.838+/-28.252 χ^2/NDF: 73437.9/55

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 170.587+/-0.043 χ^2/NDF:1043827.7/10

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 170.038+/-0.043 χ^2/NDF:802836.4/9

Left: 170.312+/-0.030 χ^2/NDF: 1846746.2/20

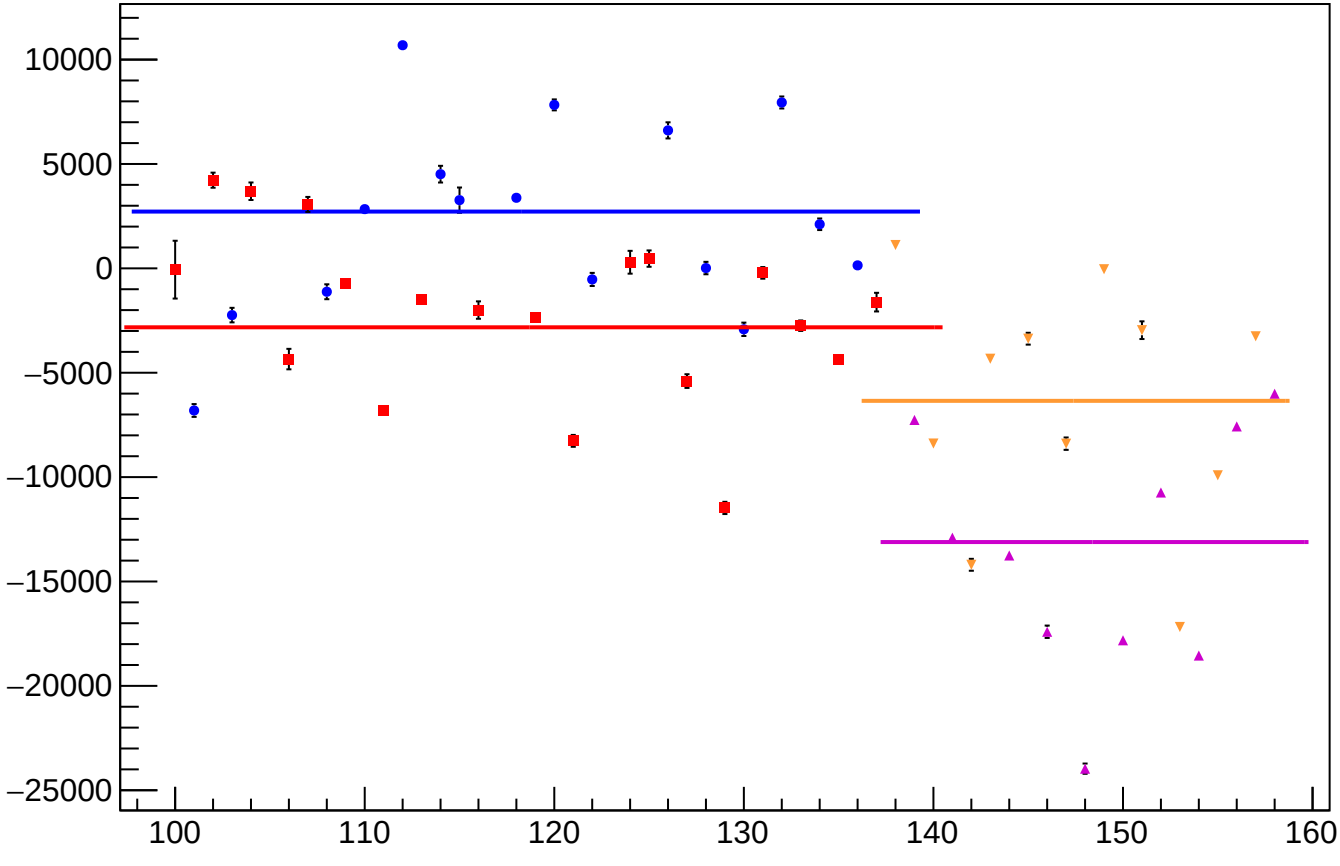
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 152.630+/-0.029 χ^2/NDF:1757468.0/25

Out: 150.249+/-0.028 χ^2/NDF:2324633.1/29

All: 151.413+/-0.020 χ^2/NDF: 4085649.3/55

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6346.781+/-71.145 χ^2/NDF:6750.5/10

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -13110.901+/-63.887 χ^2/NDF:7227.5/9

Left: -10091.322+/-47.534 χ^2/NDF: 18982.2/20

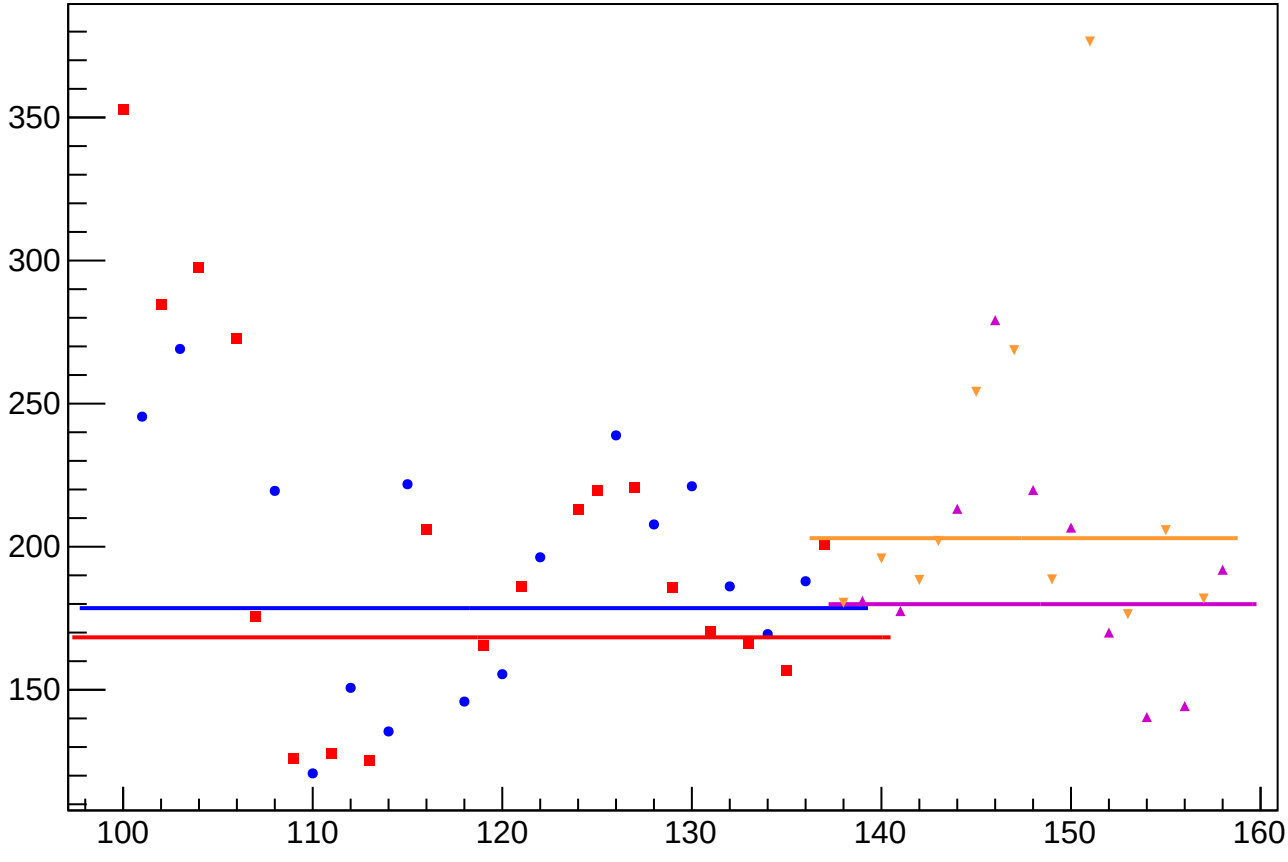
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5831.758+/-46.956 χ^2/NDF:39589.5/25

Out: -4422.514+/-47.927 χ^2/NDF:11152.7/29

All: -5141.561+/-33.541 χ^2/NDF: 51183.3/55

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 202.990+/-0.050 χ^2/NDF:596505.0/10

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 179.927+/-0.045 χ^2/NDF:592338.2/9

Left: 190.223+/-0.034 χ^2/NDF: 1305194.5/20

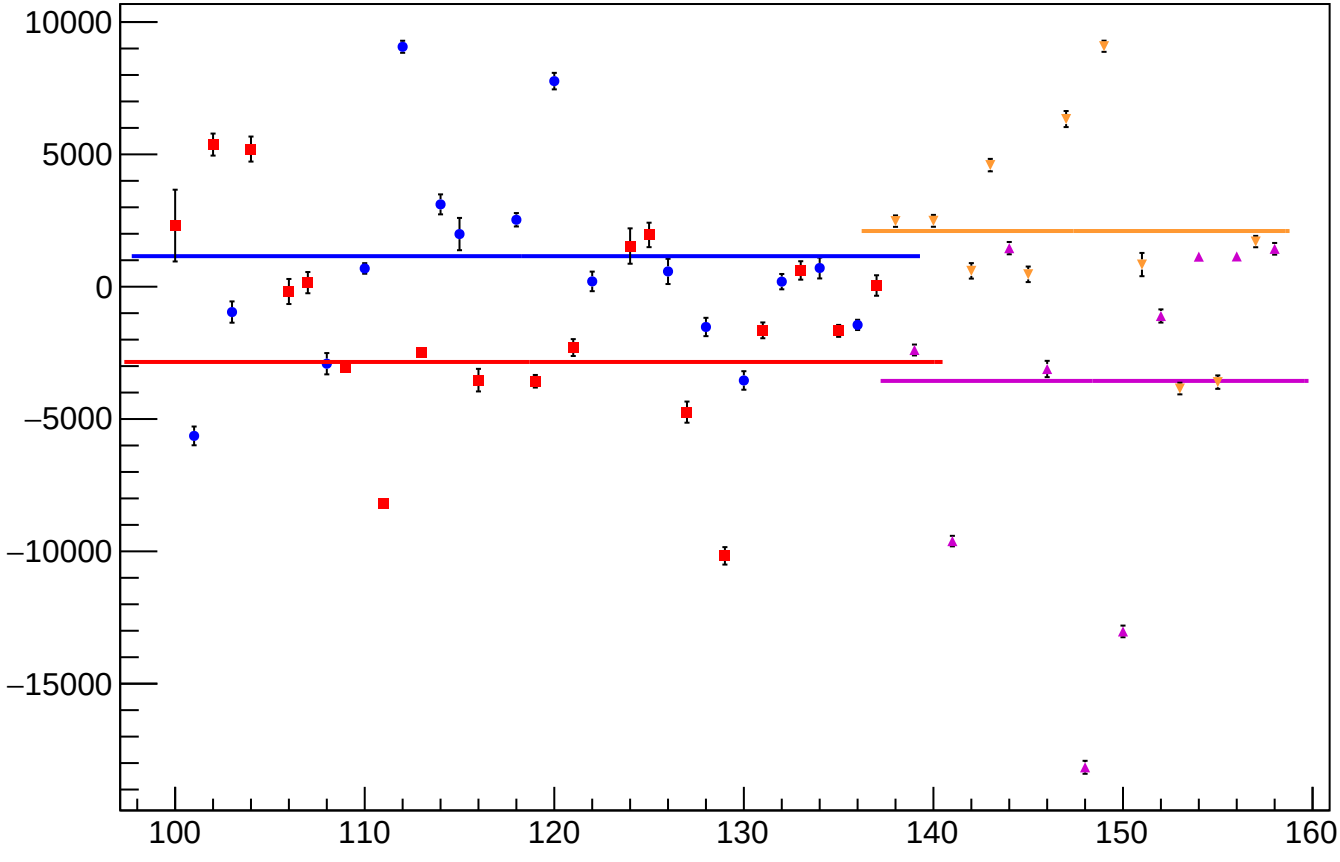
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 179.290+/-0.033 χ^2/NDF:1267337.2/25

Out: 184.062+/-0.034 χ^2/NDF:1835192.5/29

All: 181.627+/-0.024 χ^2/NDF: 3112646.9/55

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2104.168+/-74.779 χ^2/NDF:2714.0/10

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -3559.811+/-67.313 χ^2/NDF:8940.6/9

Left: -1024.621+/-50.030 χ^2/NDF: 14823.8/20

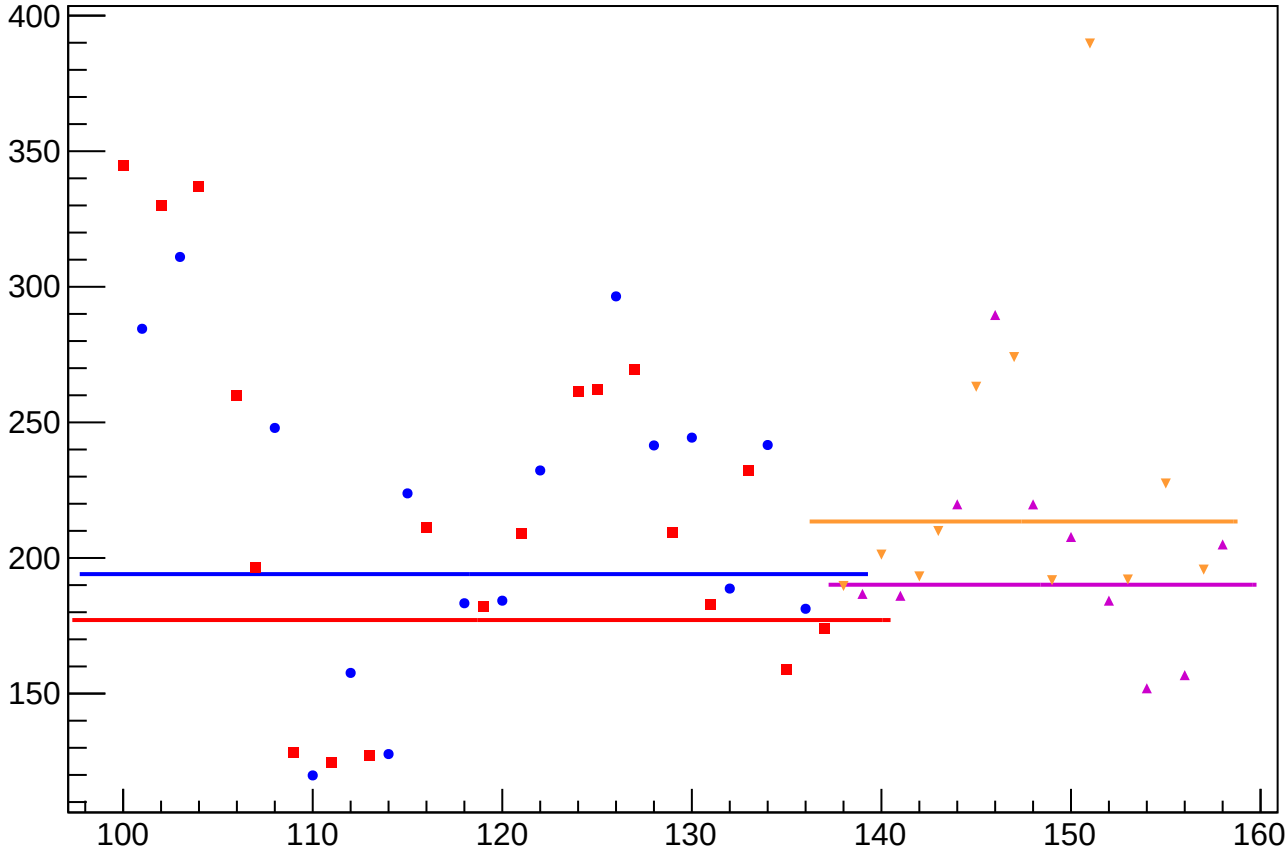
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1486.344+/-50.378 χ^2/NDF:13753.0/25

Out: -563.491+/-50.766 χ^2/NDF:7527.7/29

All: -1028.459+/-35.759 χ^2/NDF: 21447.2/55

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 213.457+/-0.053 χ^2/NDF:558570.9/10

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 190.137+/-0.048 χ^2/NDF:473246.4/9

Left: 200.575+/-0.035 χ^2/NDF: 1139252.2/20

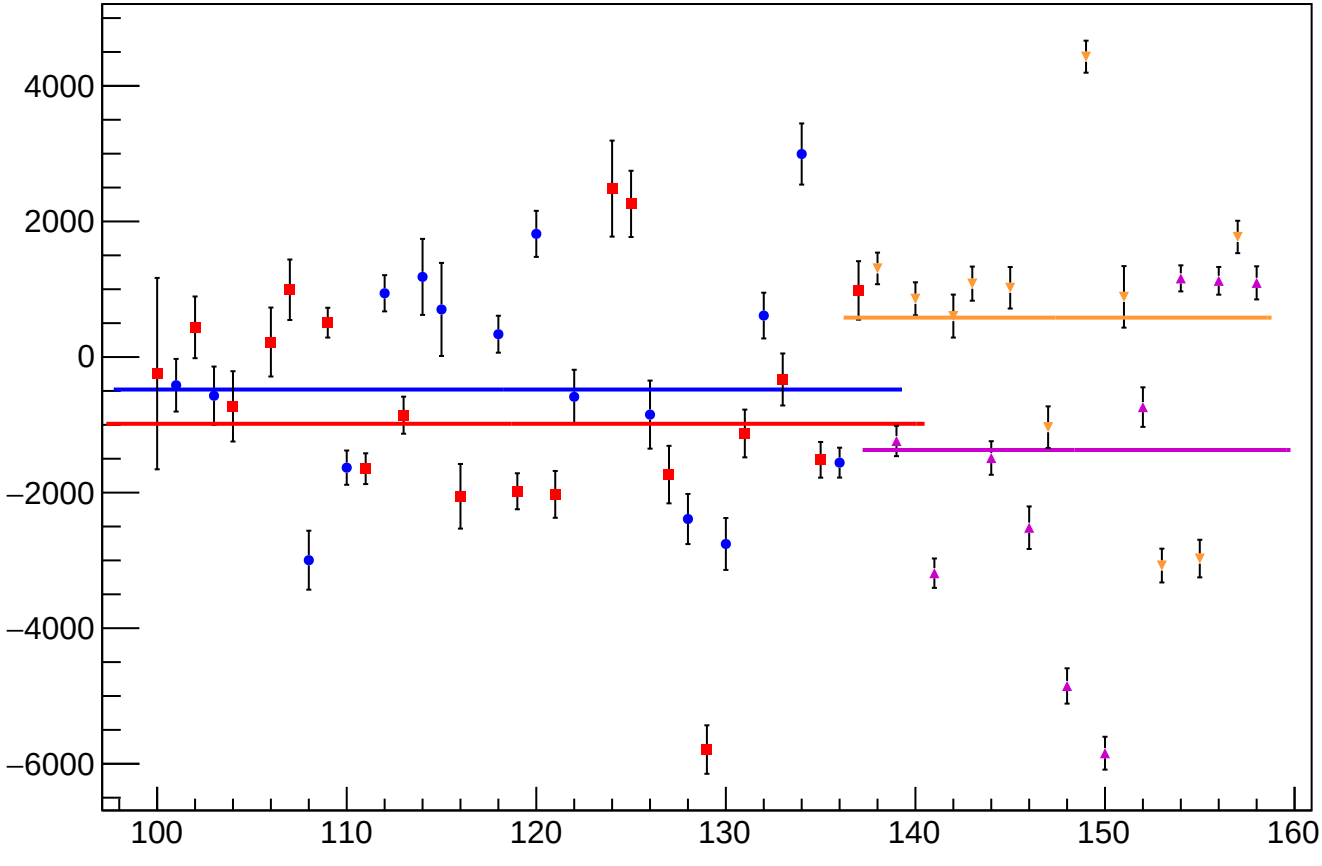
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 191.860+/-0.036 χ^2/NDF:1442009.3/25

Out: 193.864+/-0.036 χ^2/NDF:2172580.2/29

All: 192.854+/-0.025 χ^2/NDF: 3616159.6/55

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 581.403+/-81.179 χ^2/NDF:715.3/10

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -1371.372+/-74.745 χ^2/NDF:1032.4/9

Left: -475.427+/-54.987 χ^2/NDF: 2060.9/20

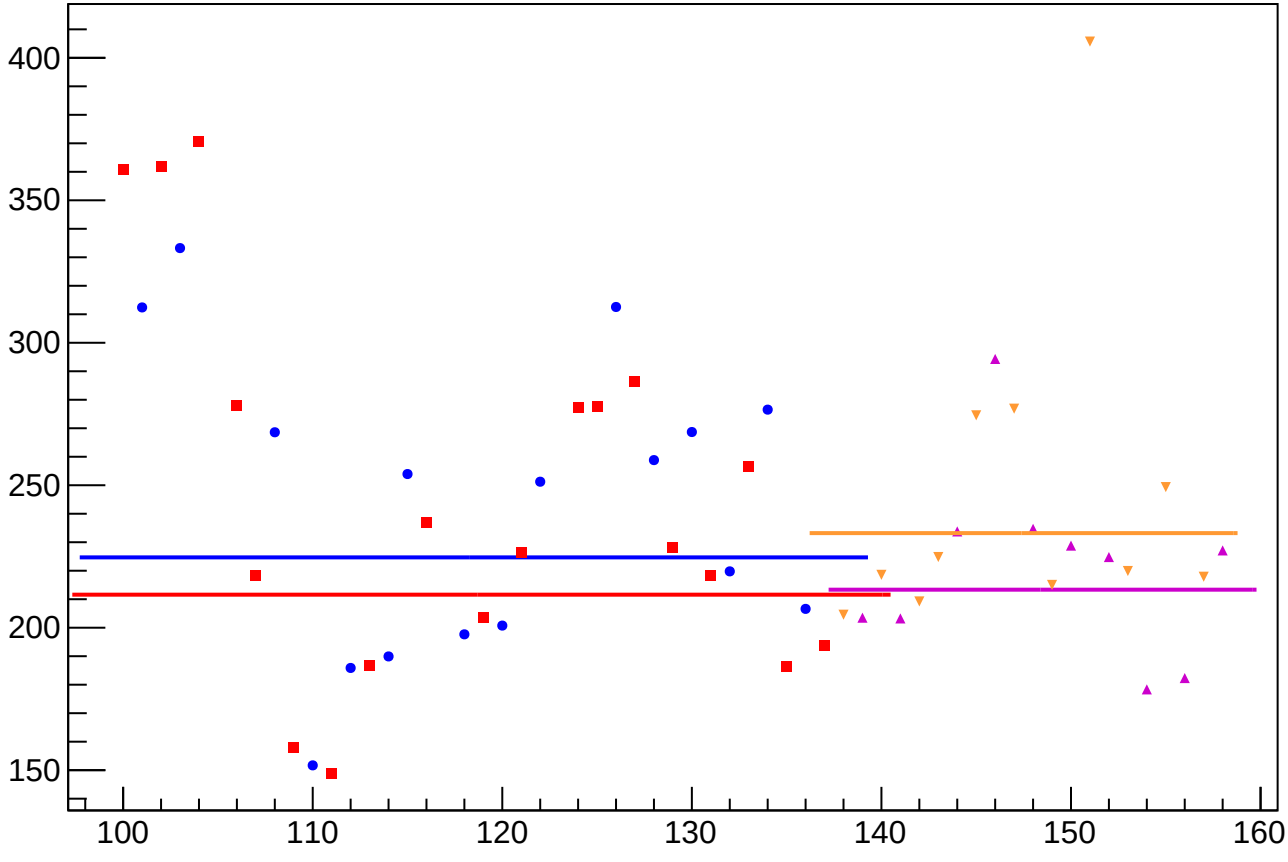
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -990.958+/-56.607 χ^2/NDF:1398.6/25

Out: -203.806+/-57.319 χ^2/NDF:1300.0/29

All: -602.303+/-40.277 χ^2/NDF: 2794.1/55

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.199+/-0.057 χ^2/NDF:449716.5/10

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 213.346+/-0.053 χ^2/NDF:298376.5/9

Left: 222.455+/-0.039 χ^2/NDF: 812827.4/20

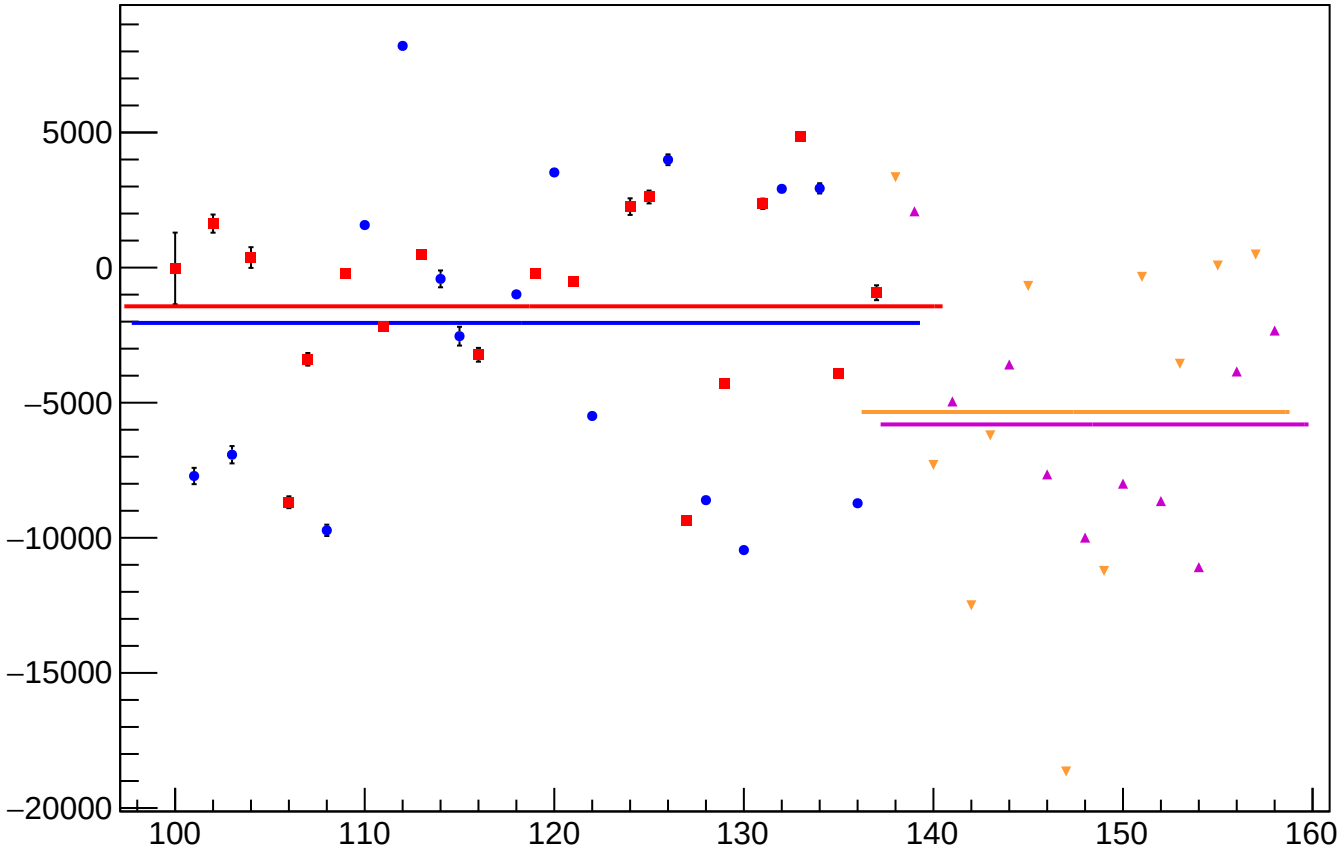
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.180+/-0.040 χ^2/NDF:971189.4/25

Out: 222.366+/-0.041 χ^2/NDF:1453646.1/29

All: 220.247+/-0.028 χ^2/NDF: 2430233.7/55

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5343.664+/-39.314 χ^2/NDF:27614.6/10

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5804.233+/-39.942 χ^2/NDF:9005.0/9

Left: -5570.301+/-28.019 χ^2/NDF: 36687.1/20

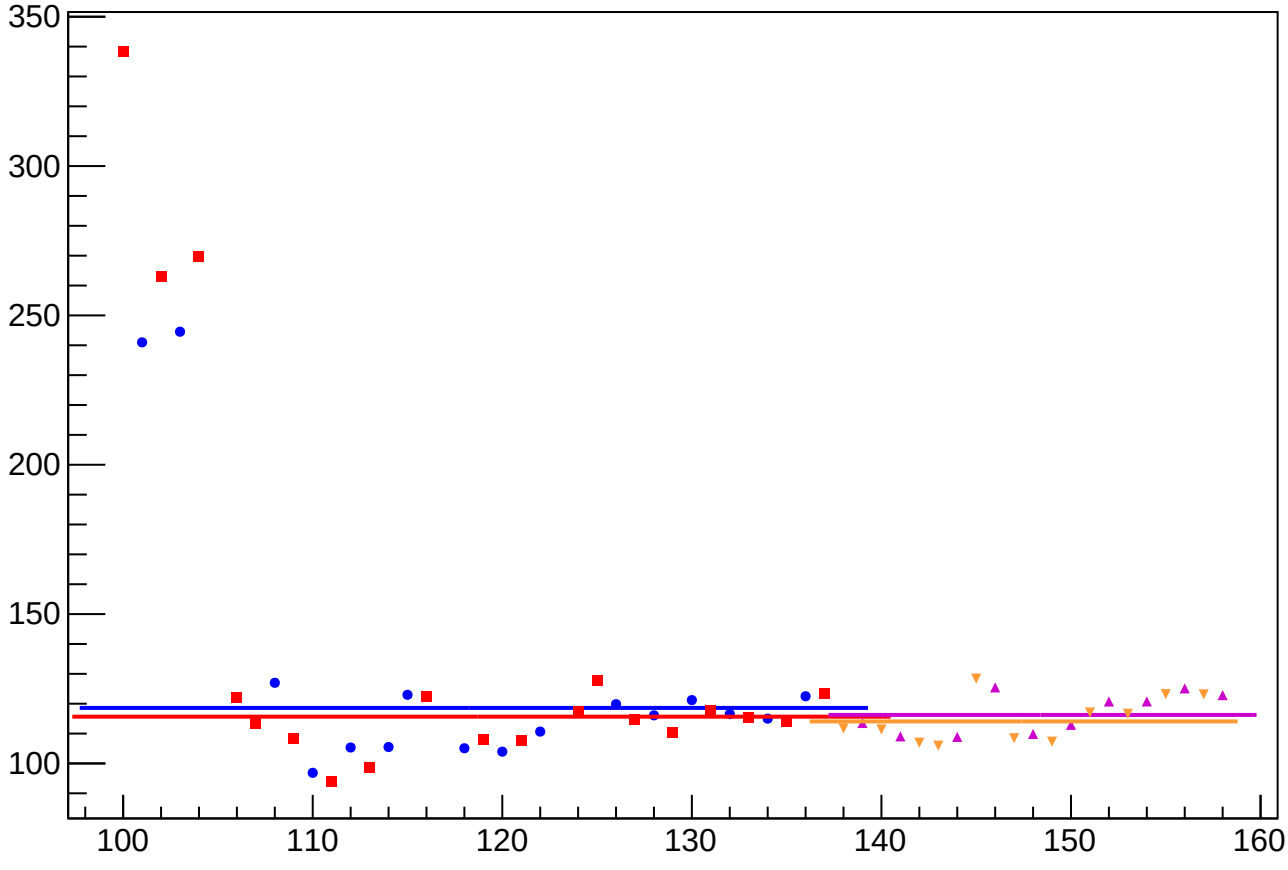
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4217.870+/-30.360 χ^2/NDF:29449.9/25

Out: -3639.201+/-29.529 χ^2/NDF:38315.0/29

All: -3920.510+/-21.168 χ^2/NDF: 67951.6/55

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 114.064+/-0.028 χ^2/NDF:64778.0/10

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 116.243+/-0.028 χ^2/NDF:50745.1/9

Left: 115.136+/-0.020 χ^2/NDF: 118547.7/20

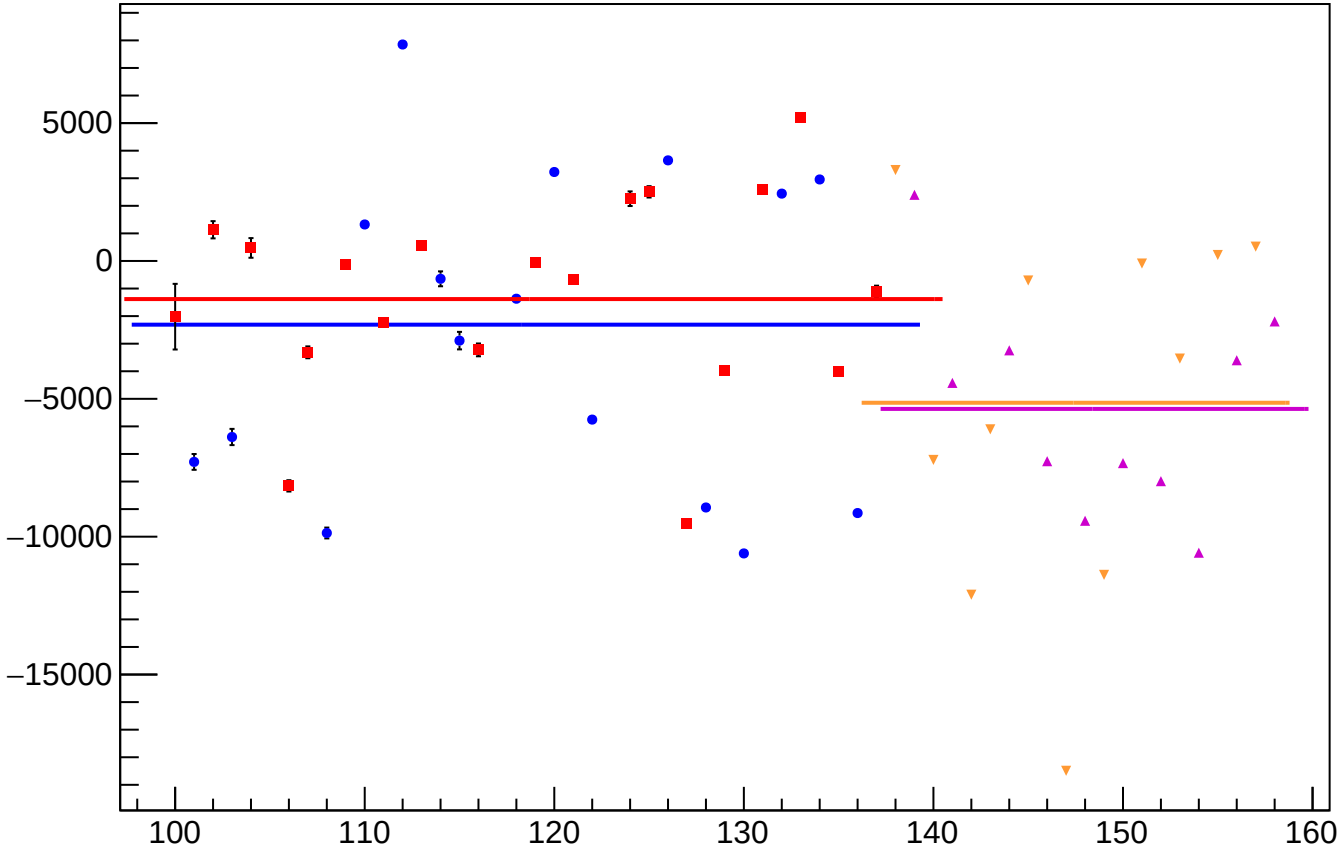
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.237+/-0.021 χ^2/NDF:787833.3/25

Out: 114.759+/-0.021 χ^2/NDF:930420.3/29

All: 115.964+/-0.015 χ^2/NDF: 1725096.5/55

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -5142.700+/-35.449 χ^2/NDF:33302.6/10

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5366.126+/-35.908 χ^2/NDF:10664.7/9

Left: -5252.975+/-25.227 χ^2/NDF: 43986.9/20

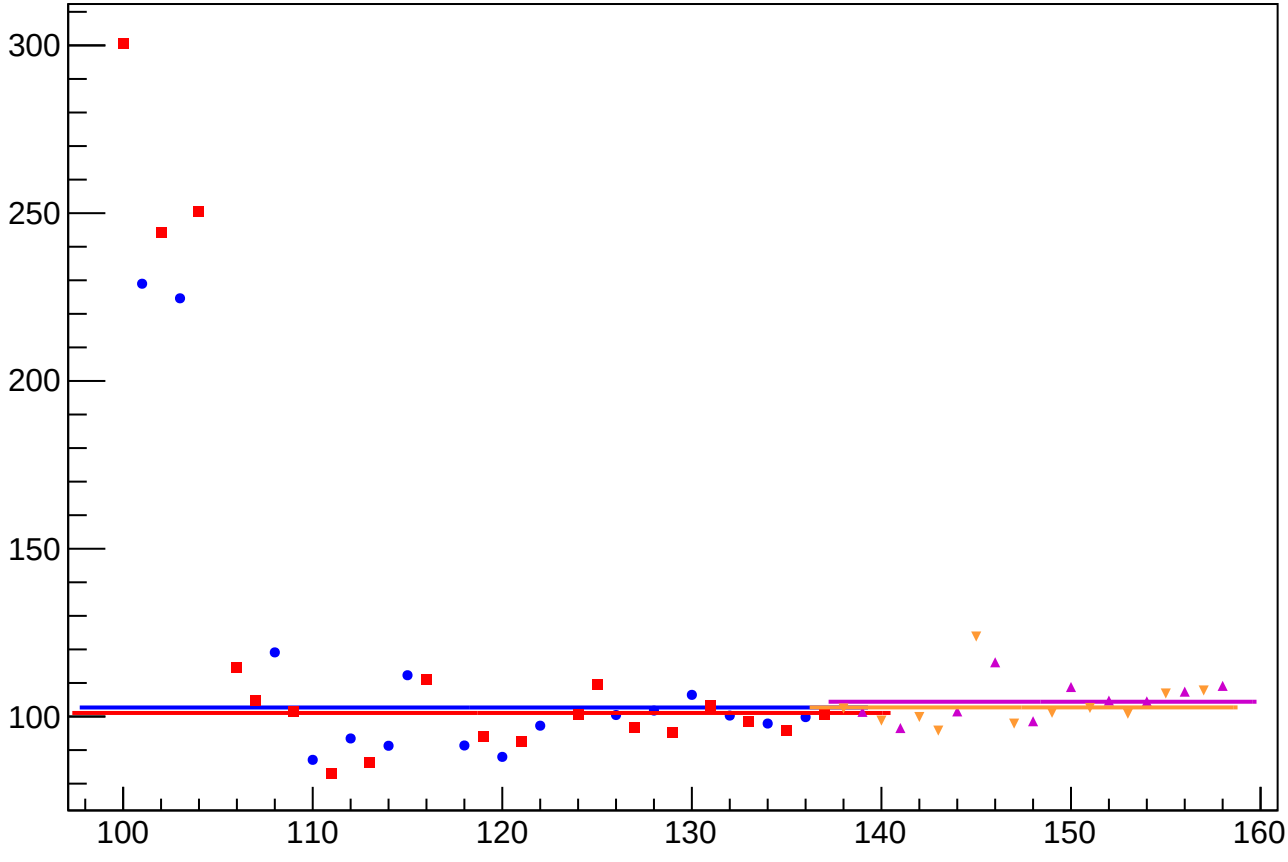
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4030.012+/-26.936 χ^2/NDF:35510.5/25

Out: -3457.655+/-26.335 χ^2/NDF:46924.1/29

All: -3737.375+/-18.831 χ^2/NDF: 82665.4/55

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 102.719+/-0.025 χ^2/NDF:67910.9/10

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 104.406+/-0.025 χ^2/NDF:45048.2/9

Left: 103.552+/-0.018 χ^2/NDF: 115196.0/20

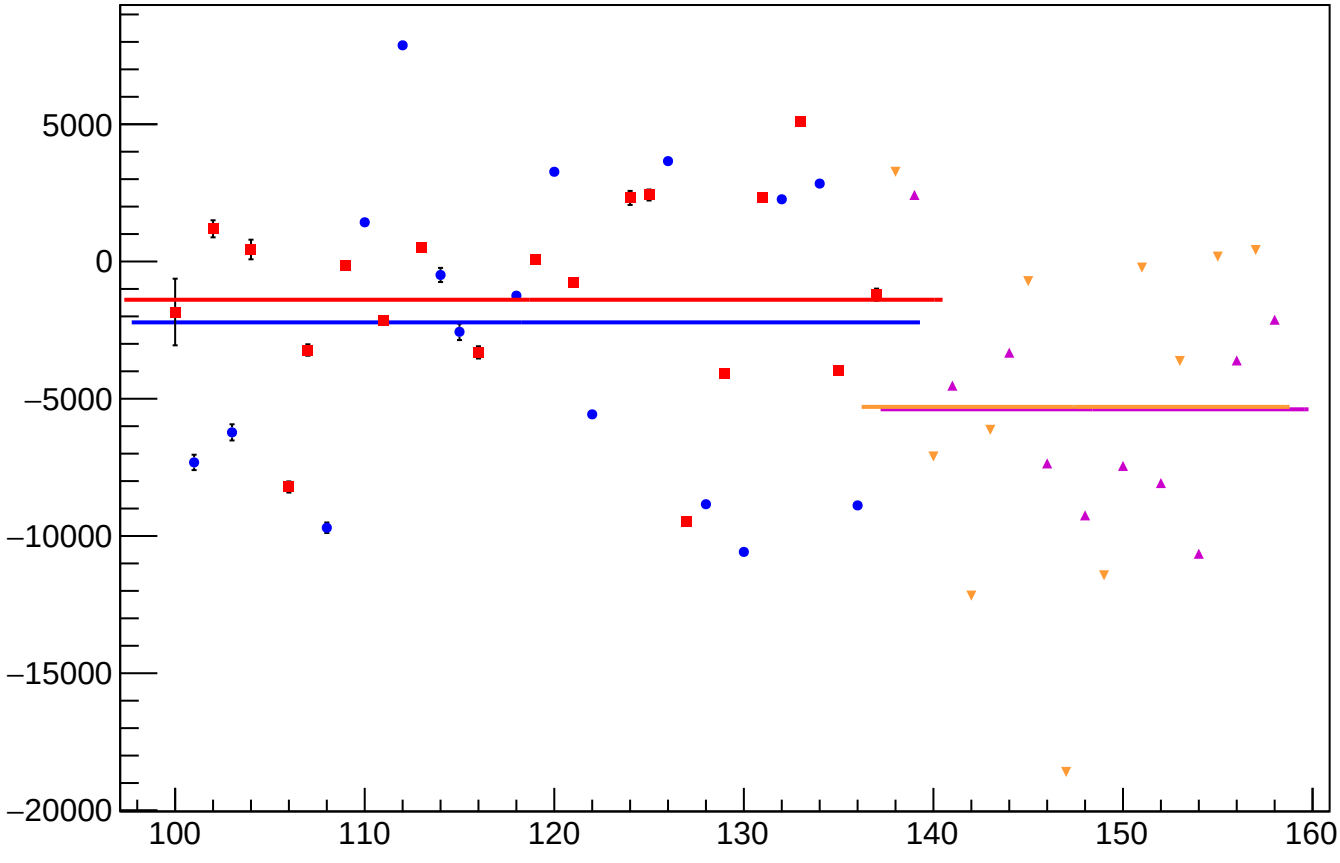
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 103.657+/-0.019 χ^2/NDF:872838.9/25

Out: 101.977+/-0.019 χ^2/NDF:1000323.5/29

All: 102.798+/-0.013 χ^2/NDF: 1877142.1/55

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -5297.179+/-34.546 χ^2/NDF:35907.4/10

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5384.997+/-35.002 χ^2/NDF:11280.8/9

Left: -5340.511+/-24.587 χ^2/NDF: 47191.4/20

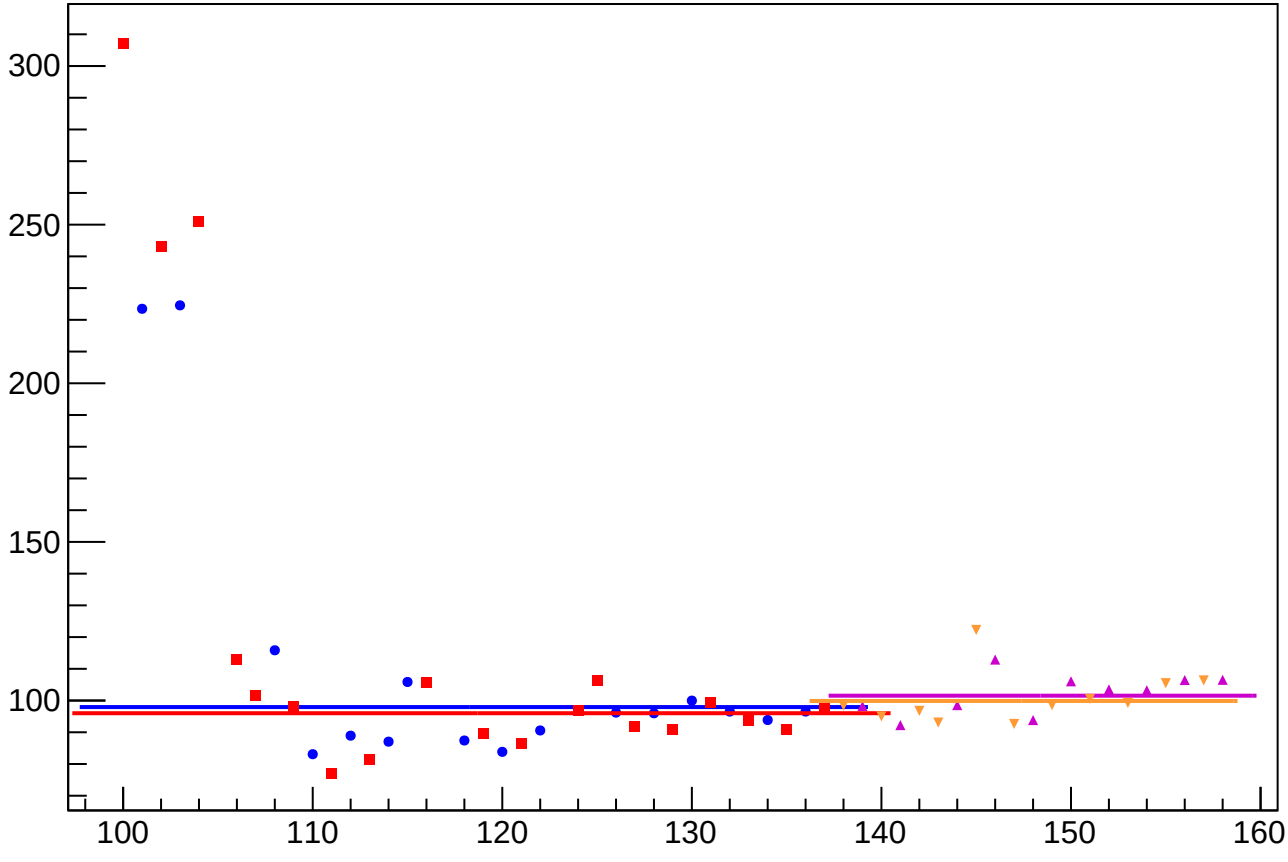
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3973.665+/-26.061 χ^2/NDF:37969.7/25

Out: -3509.293+/-25.433 χ^2/NDF:50907.7/29

All: -3735.813+/-18.202 χ^2/NDF: 89040.1/55

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 99.869+/-0.024 χ^2/NDF:86847.2/10

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 101.531+/-0.025 χ^2/NDF:60597.9/9

Left: 100.689+/-0.017 χ^2/NDF: 149727.0/20

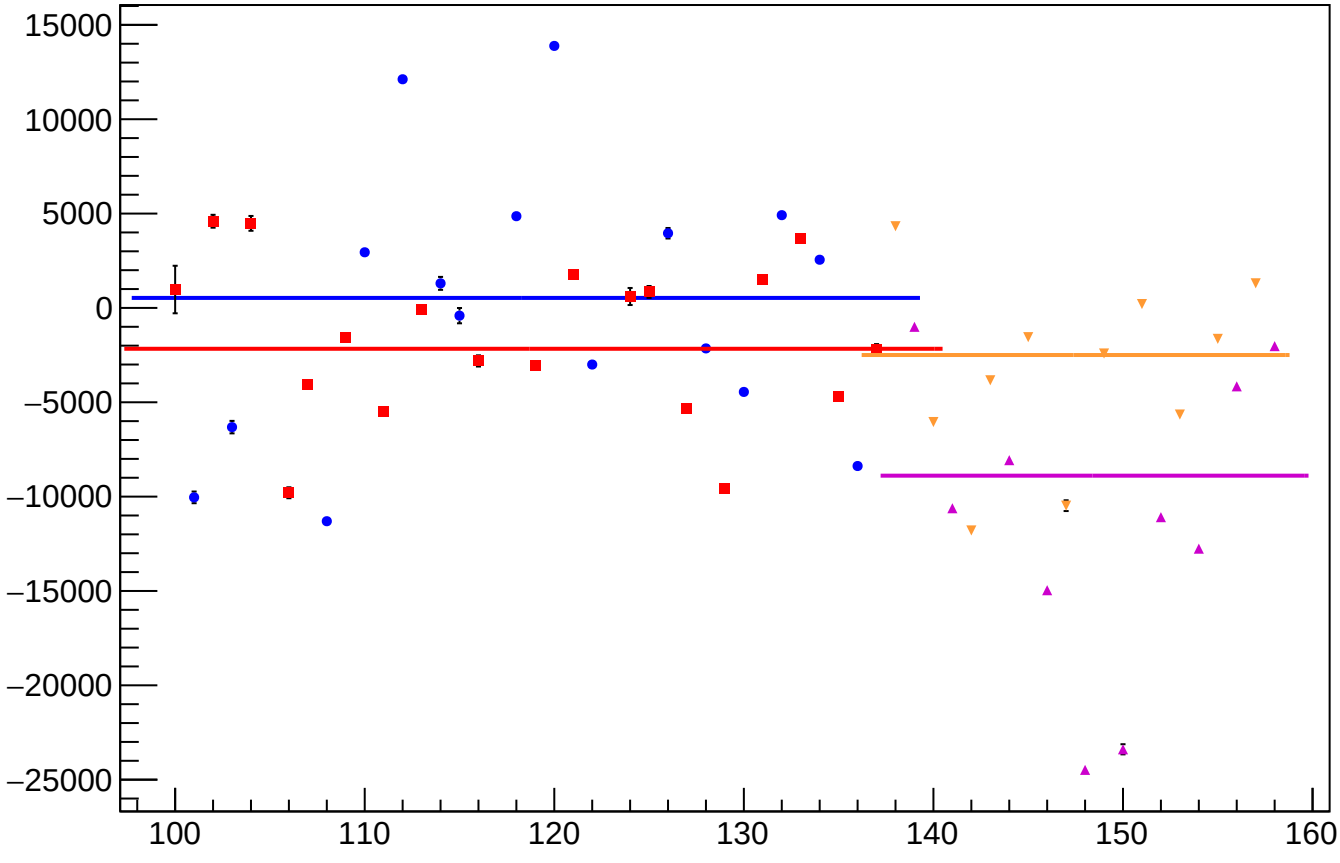
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 99.932+/-0.018 χ^2/NDF:938106.0/25

Out: 98.099+/-0.018 χ^2/NDF:1110598.1/29

All: 98.993+/-0.013 χ^2/NDF: 2053770.1/55

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2495.947+/-53.272 χ^2/NDF:6250.9/10

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -8889.537+/-54.931 χ^2/NDF:13732.4/9

Left: -5594.721+/-38.242 χ^2/NDF: 26964.7/20

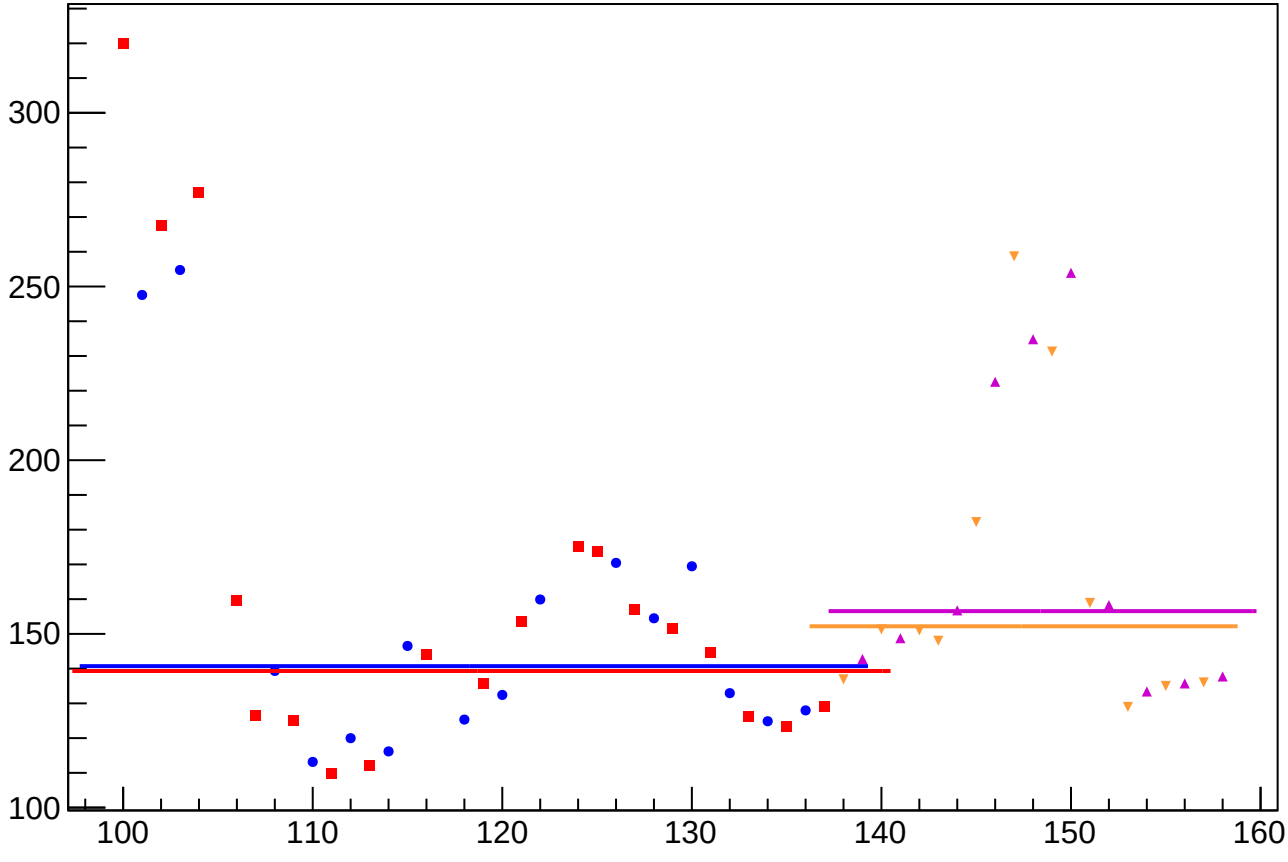
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4172.959+/-38.815 χ^2/NDF:47044.8/25

Out: -2331.049+/-37.734 χ^2/NDF:11237.3/29

All: -3226.010+/-27.056 χ^2/NDF: 59439.8/55

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 152.189+/-0.038 χ^2/NDF:641513.1/10

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 156.553+/-0.039 χ^2/NDF:740628.9/9

Left: 154.304+/-0.027 χ^2/NDF: 1388645.2/20

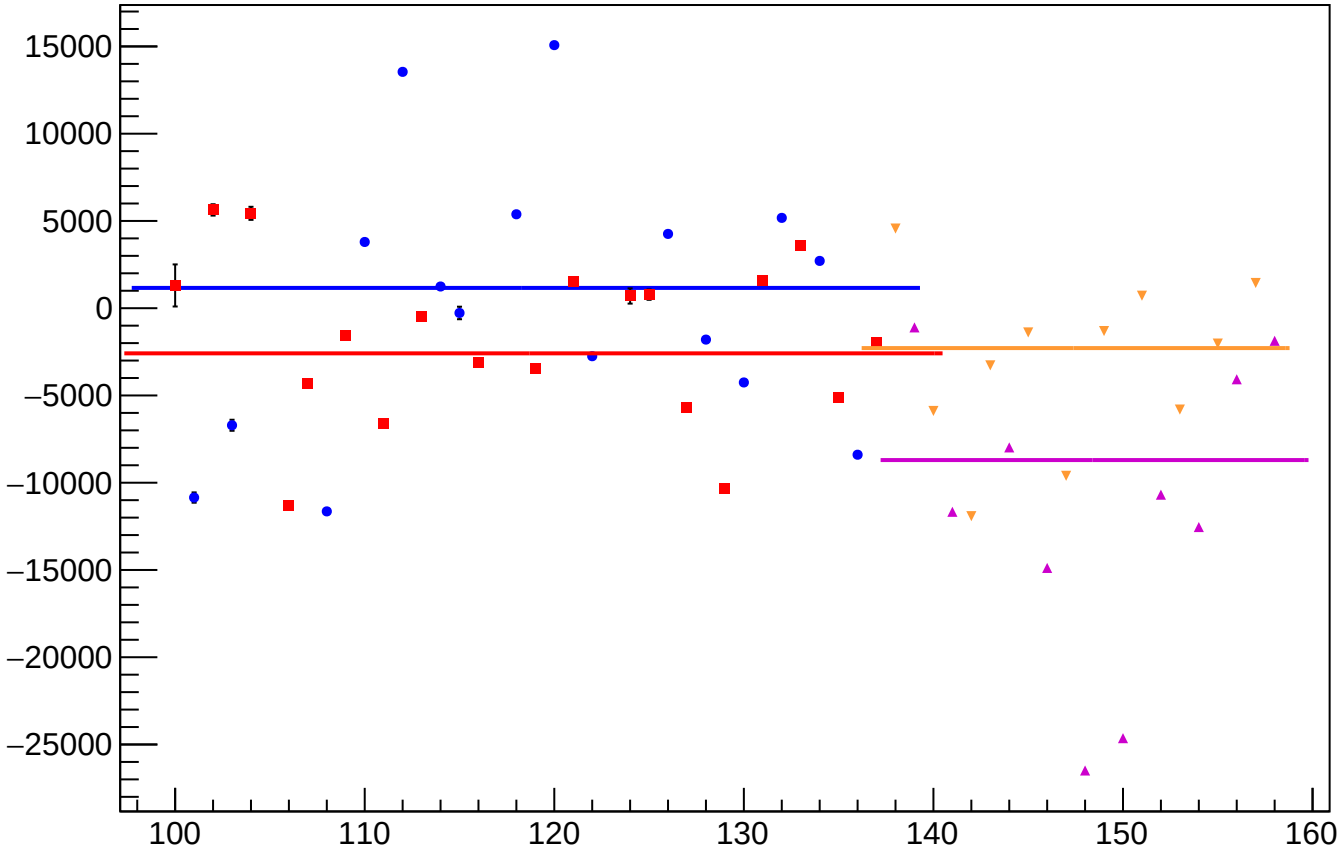
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 148.623+/-0.027 χ^2/NDF:1499488.9/25

Out: 145.776+/-0.027 χ^2/NDF:1502013.4/29

All: 147.159+/-0.019 χ^2/NDF: 3007035.2/55

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2285.349+/-46.913 χ^2/NDF:8230.9/10

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -8701.836+/-48.368 χ^2/NDF:18427.7/9

Left: -5395.636+/-33.675 χ^2/NDF: 35726.4/20

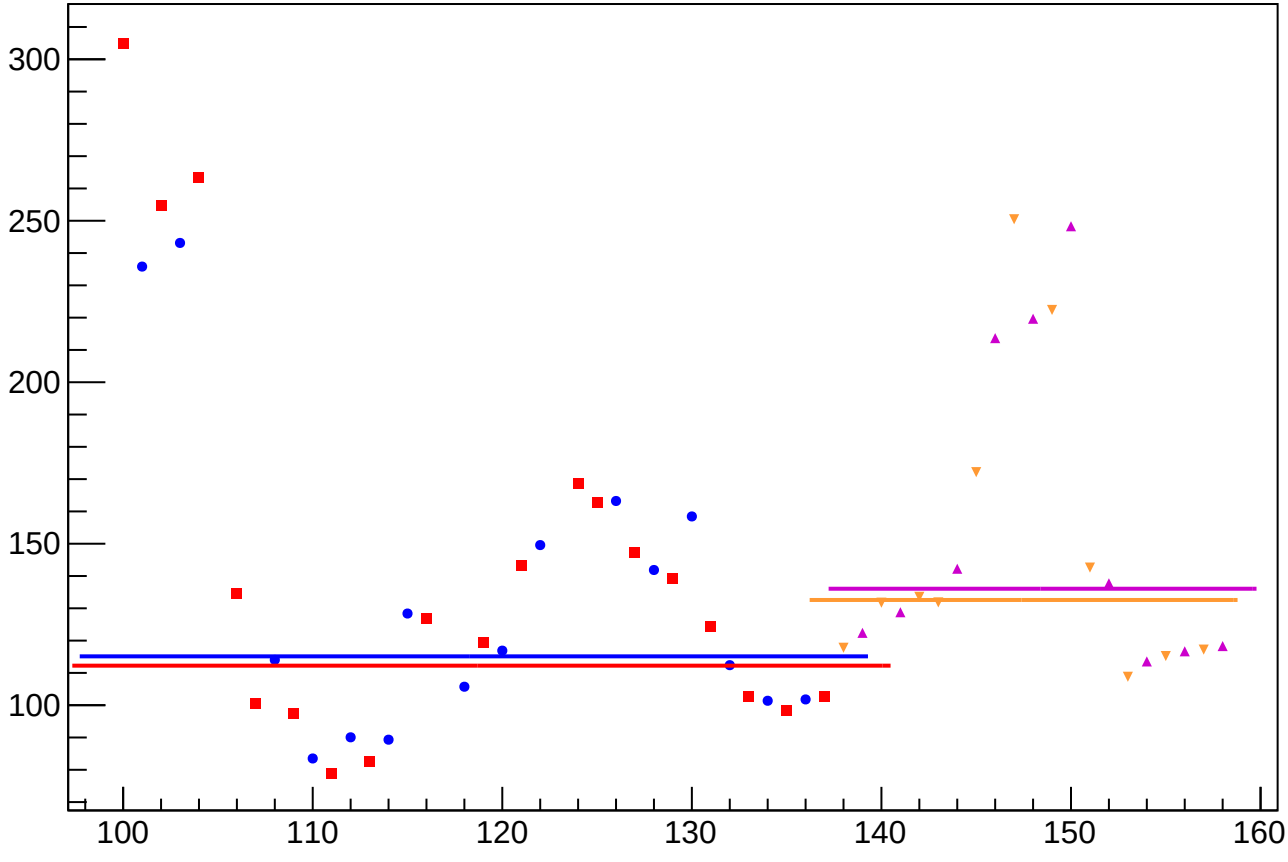
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3514.526+/-33.306 χ^2/NDF:71055.0/25

Out: -2444.829+/-32.192 χ^2/NDF:16352.4/29

All: -2961.493+/-23.147 χ^2/NDF: 87940.7/55

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 132.580+/-0.033 χ^2/NDF:892066.5/10

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 136.061+/-0.034 χ^2/NDF:1007973.5/9

Left: 134.268+/-0.024 χ^2/NDF: 1905377.9/20

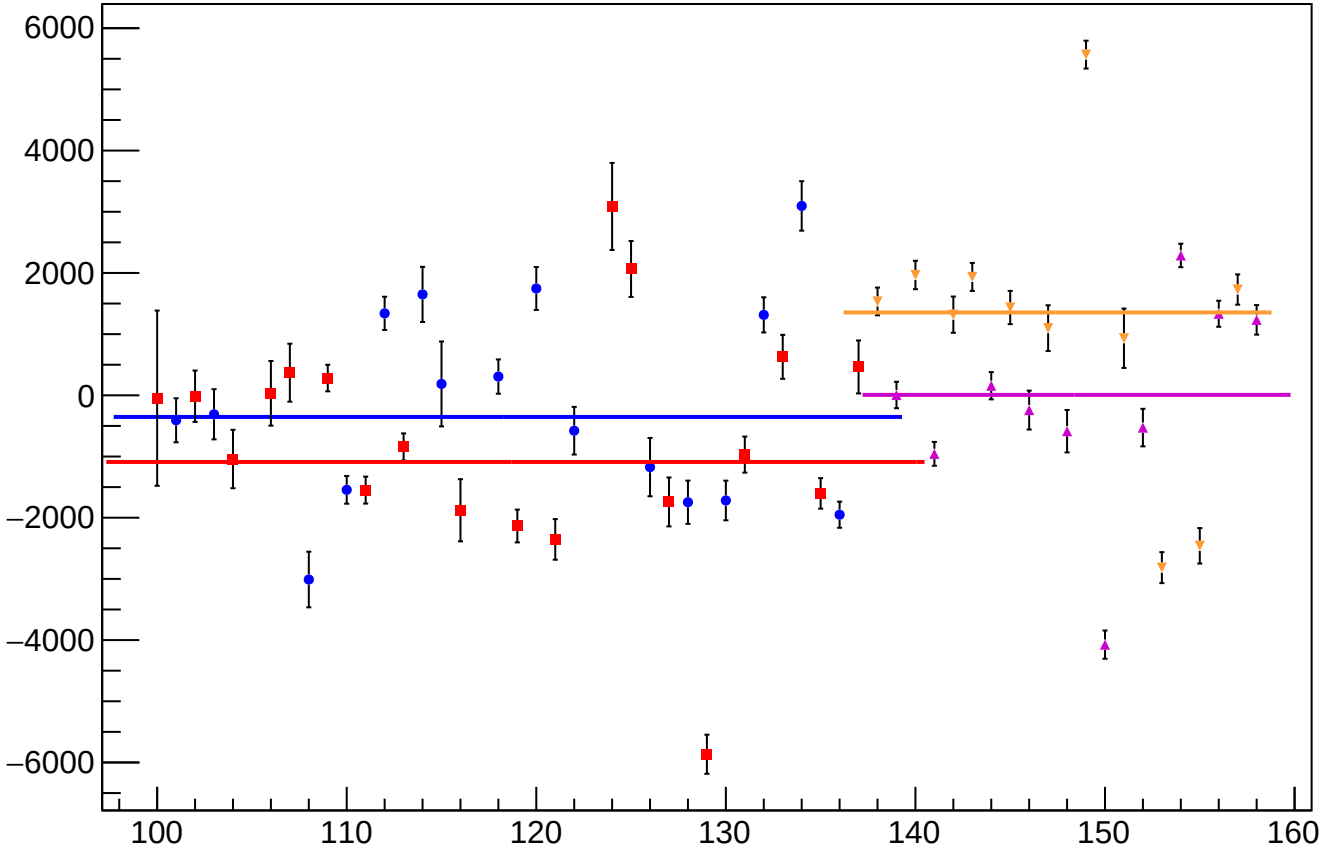
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 125.052+/-0.024 χ^2/NDF:2317998.0/25

Out: 121.819+/-0.023 χ^2/NDF:2419133.4/29

All: 123.381+/-0.016 χ^2/NDF: 4746879.9/55

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1354.445+/-79.944 χ^2/NDF:803.8/10

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 7.486+/-74.157 χ^2/NDF:550.4/9

Left: 630.450+/-54.368 χ^2/NDF: 1506.8/20

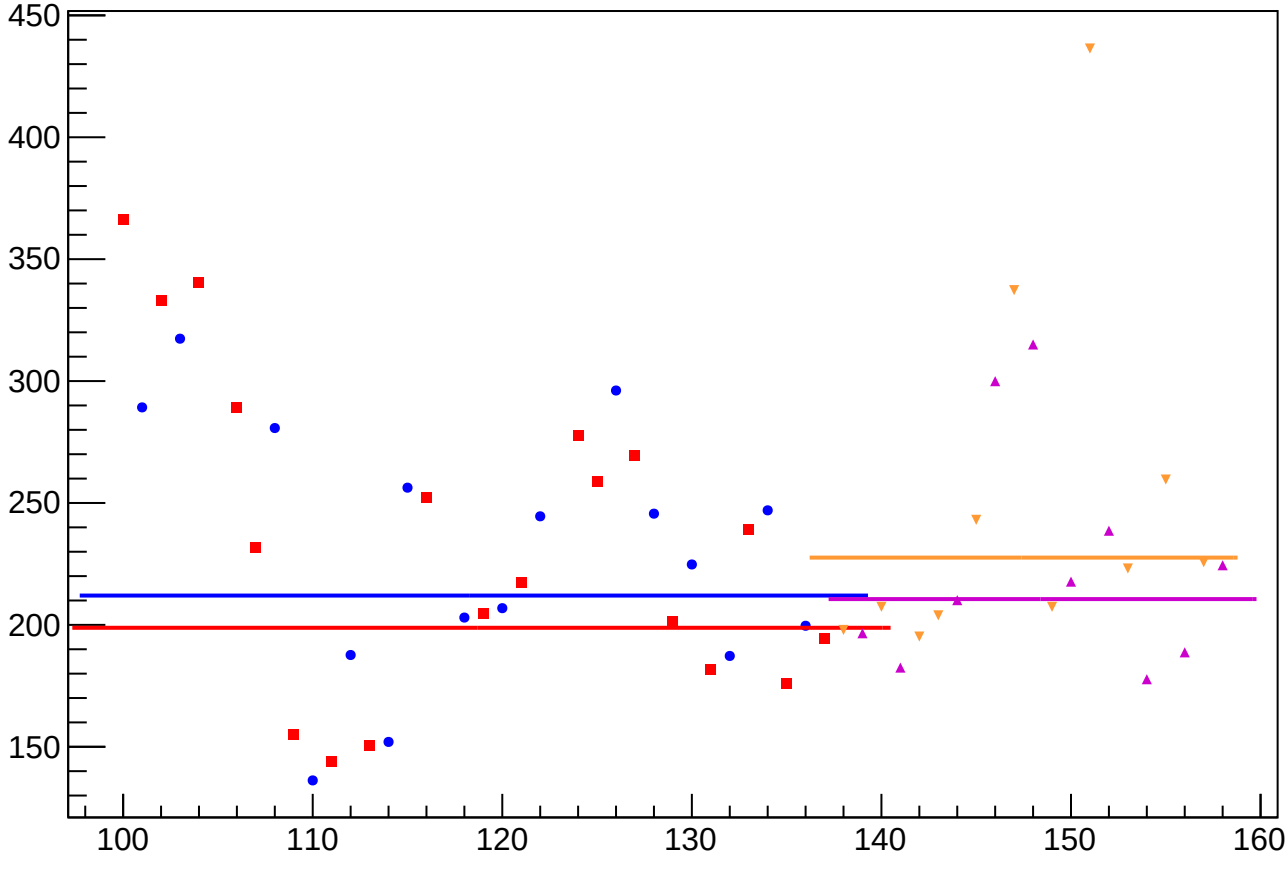
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -154.460+/-55.042 χ^2/NDF:922.8/25

Out: 78.189+/-55.250 χ^2/NDF:1738.8/29

All: -38.574+/-38.994 χ^2/NDF: 2670.5/55

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 227.594+/-0.057 χ^2/NDF:684394.4/10

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 210.581+/-0.052 χ^2/NDF:494391.6/9

Left: 218.449+/-0.038 χ^2/NDF: 1227474.6/20

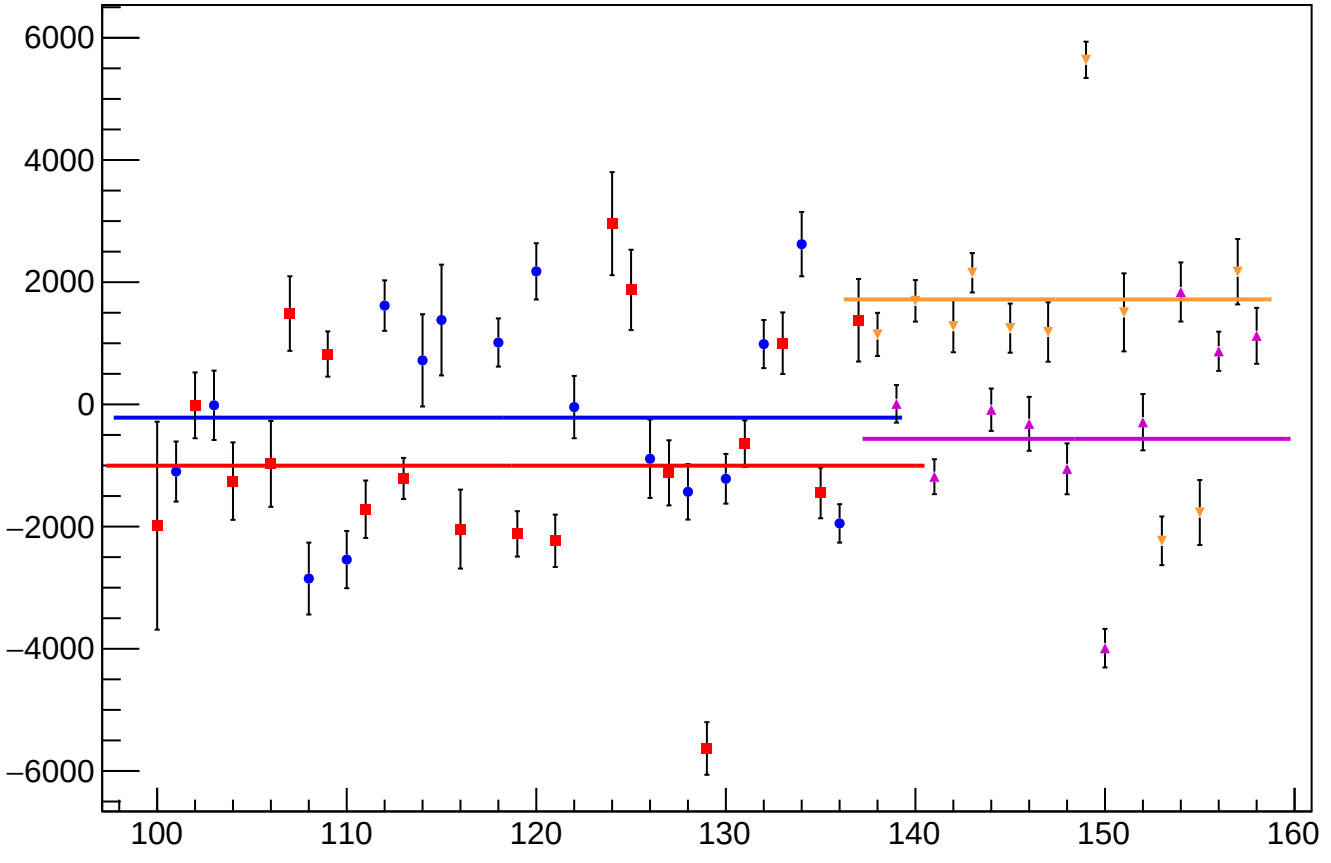
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 211.230+/-0.039 χ^2/NDF:1185091.5/25

Out: 212.558+/-0.039 χ^2/NDF:1794768.7/29

All: 211.892+/-0.028 χ^2/NDF: 2980439.6/55

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1718.408+/-120.134 χ^2/NDF:324.3/10

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -563.486+/-115.075 χ^2/NDF:188.0/9

Left: 528.409+/-83.101 χ^2/NDF: 700.5/20

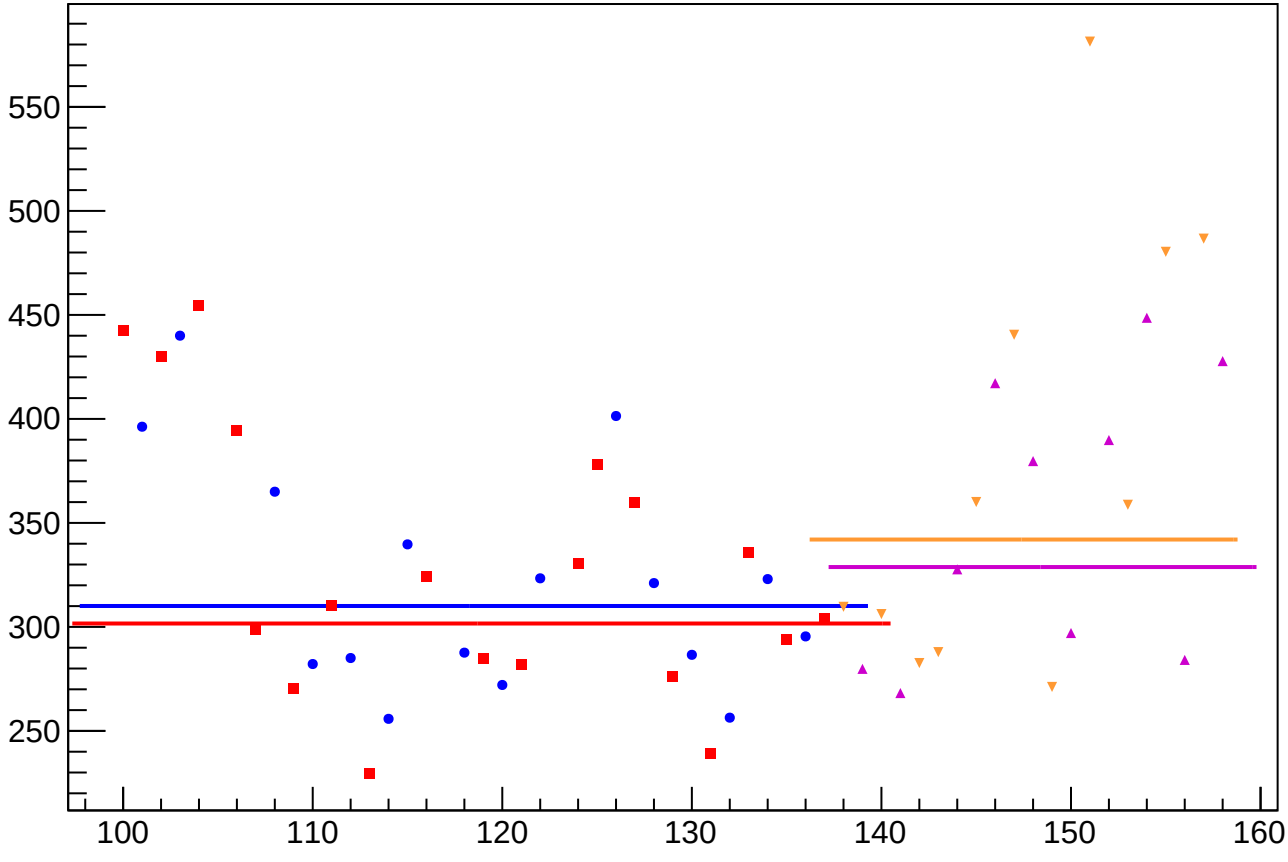
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -394.399+/-82.347 χ^2/NDF:384.6/25

Out: 275.812+/-82.352 χ^2/NDF:850.7/29

All: -59.317+/-58.230 χ^2/NDF: 1268.4/55

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 342.009+/-0.085 χ^2/NDF:900221.2/10

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 328.785+/-0.081 χ^2/NDF:561039.7/9

Left: 335.113+/-0.059 χ^2/NDF: 1473899.3/20

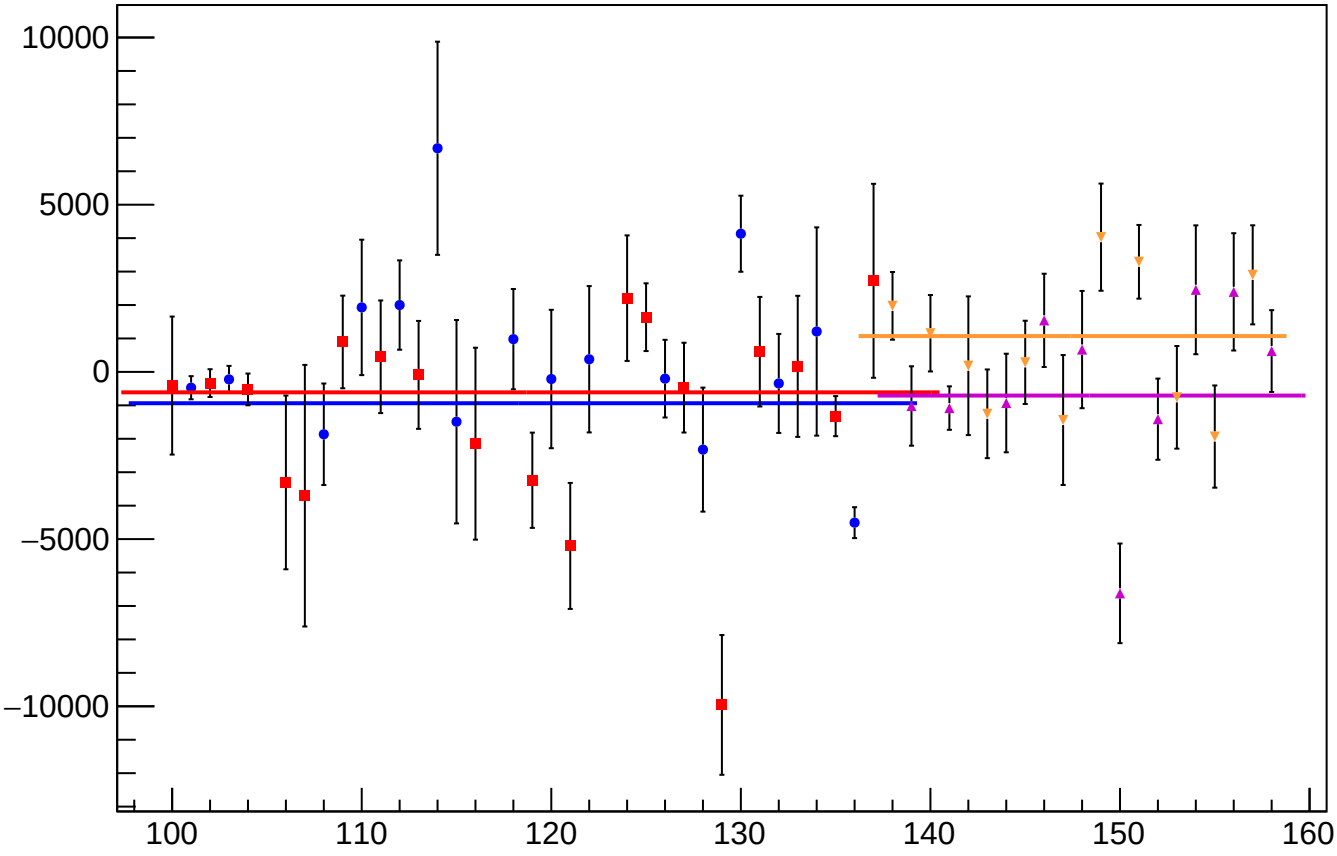
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 319.650+/-0.058 χ^2/NDF:910157.1/25

Out: 320.609+/-0.058 χ^2/NDF:1539843.3/29

All: 320.129+/-0.041 χ^2/NDF: 2450136.1/55

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1071.281+/-409.130 χ^2/NDF:20.4/10

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -707.593+/-384.364 χ^2/NDF:26.7/9

Left: 126.376+/-280.133 χ^2/NDF: 57.2/20

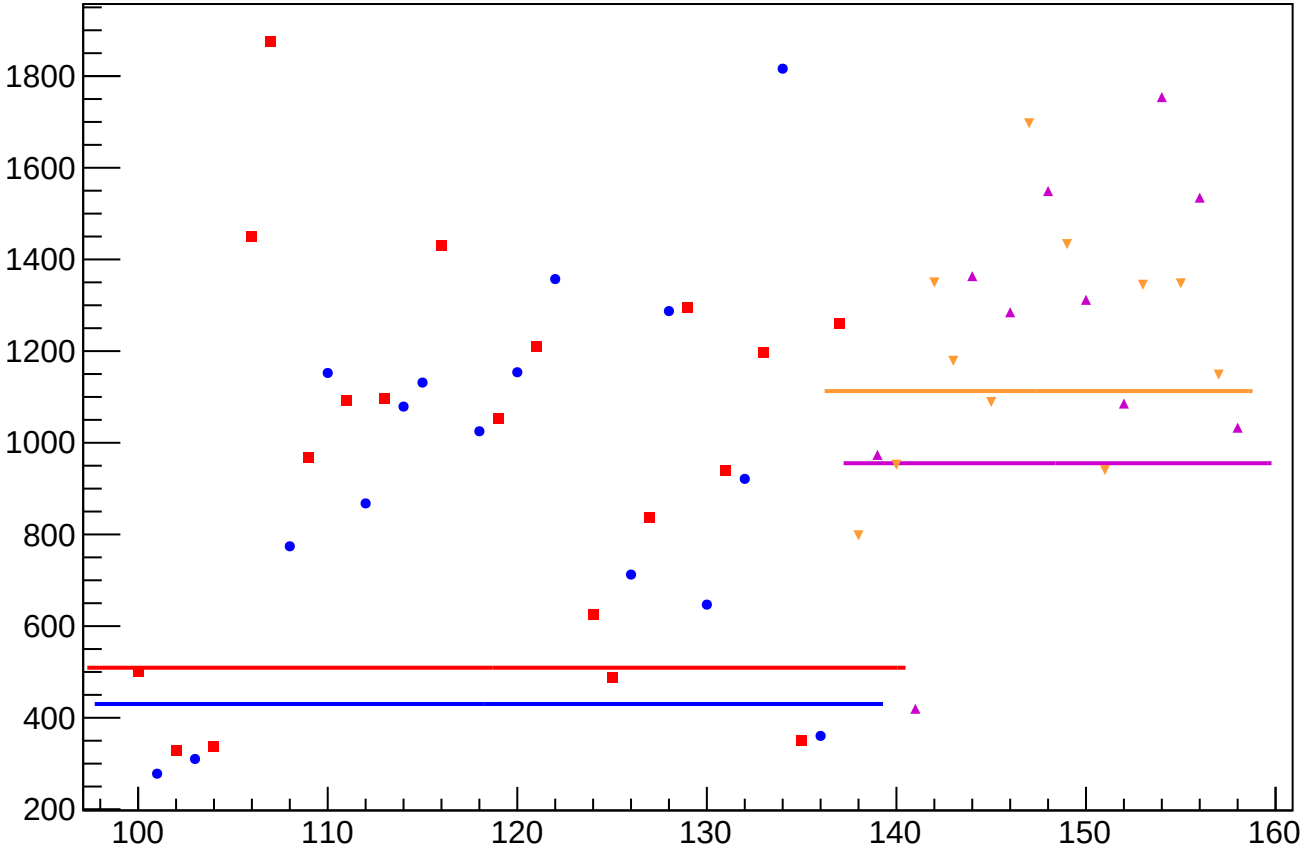
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -886.265+/-180.687 χ^2/NDF:128.2/25

Out: -199.126+/-202.563 χ^2/NDF:77.3/29

All: -581.791+/-134.838 χ^2/NDF: 211.9/55

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1112.800+/-0.289 χ^2/NDF:668654.2/10

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 955.417+/-0.272 χ^2/NDF:2560953.0/9

Left: 1029.201+/-0.198 χ^2/NDF: 3386812.3/20

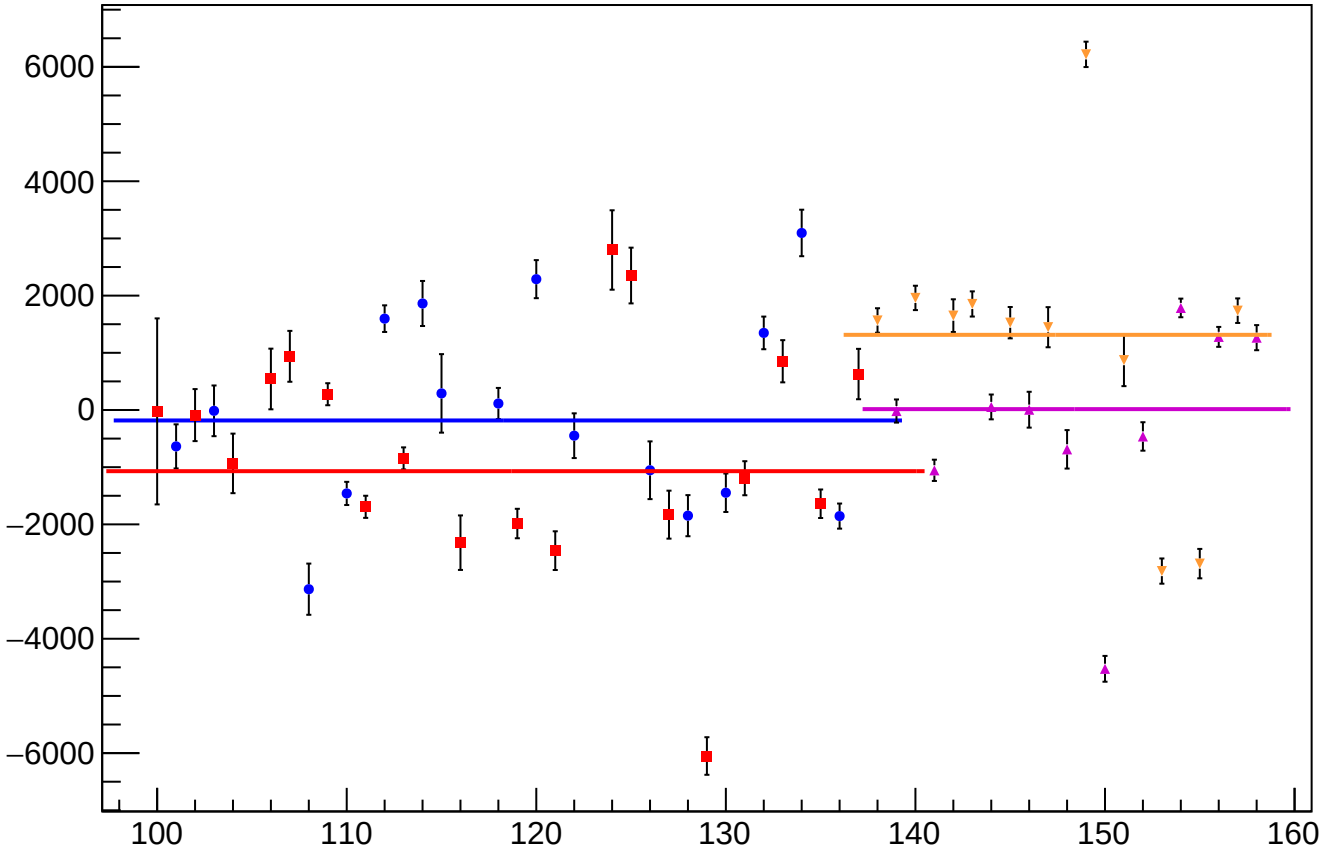
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 546.196+/-0.128 χ^2/NDF:8992968.1/25

Out: 657.188+/-0.143 χ^2/NDF:7627762.2/29

All: 595.377+/-0.095 χ^2/NDF: 16955130.1/55

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1314.276+/-74.402 χ^2/NDF:1104.7/10

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 15.208+/-67.303 χ^2/NDF:649.3/9

Left: 599.821+/-49.912 χ^2/NDF: 1921.7/20

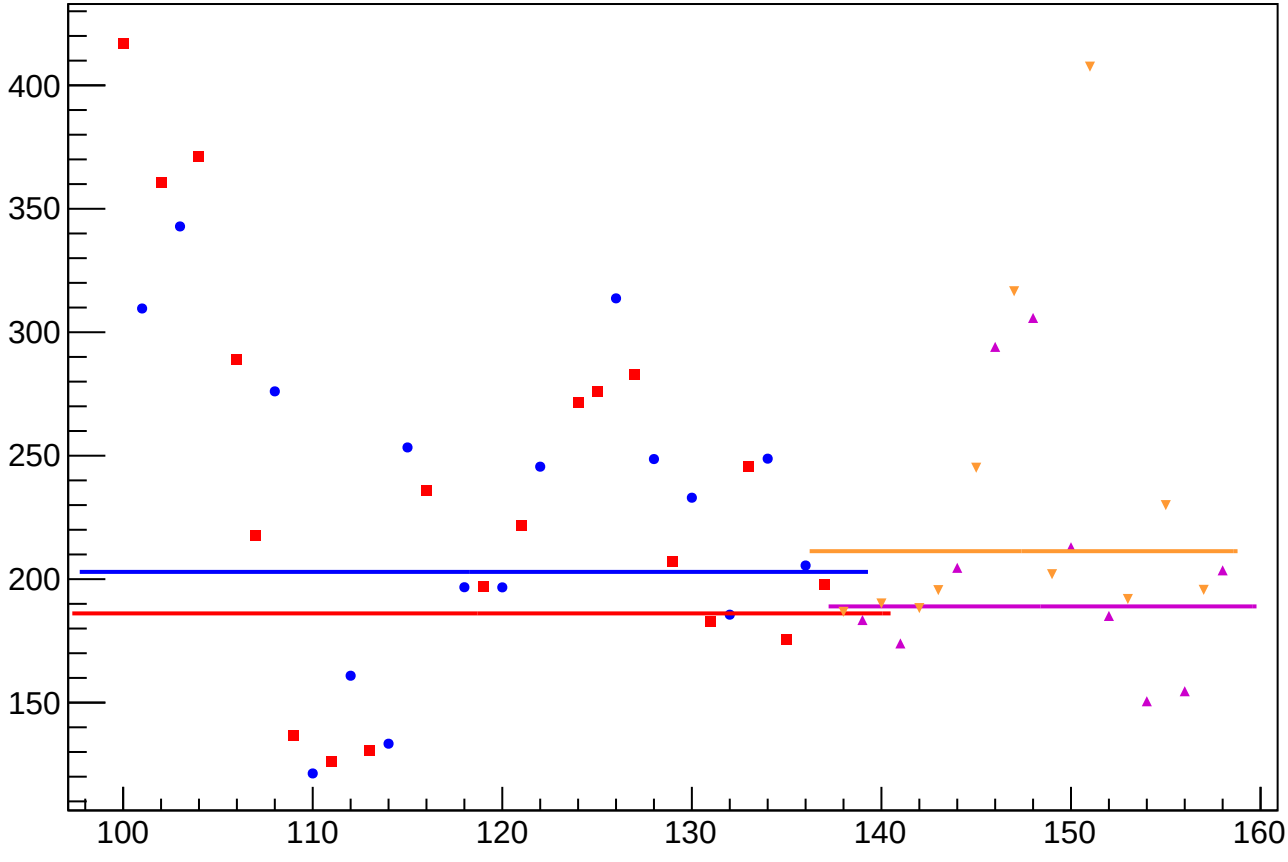
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -67.110+/-51.465 χ^2/NDF:1070.6/25

Out: 100.582+/-52.129 χ^2/NDF:2119.7/29

All: 15.660+/-36.624 χ^2/NDF: 3195.5/55

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 211.327+/-0.053 χ^2/NDF:692874.6/10

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 188.963+/-0.048 χ^2/NDF:711845.8/9

Left: 199.028+/-0.035 χ^2/NDF: 1504100.6/20

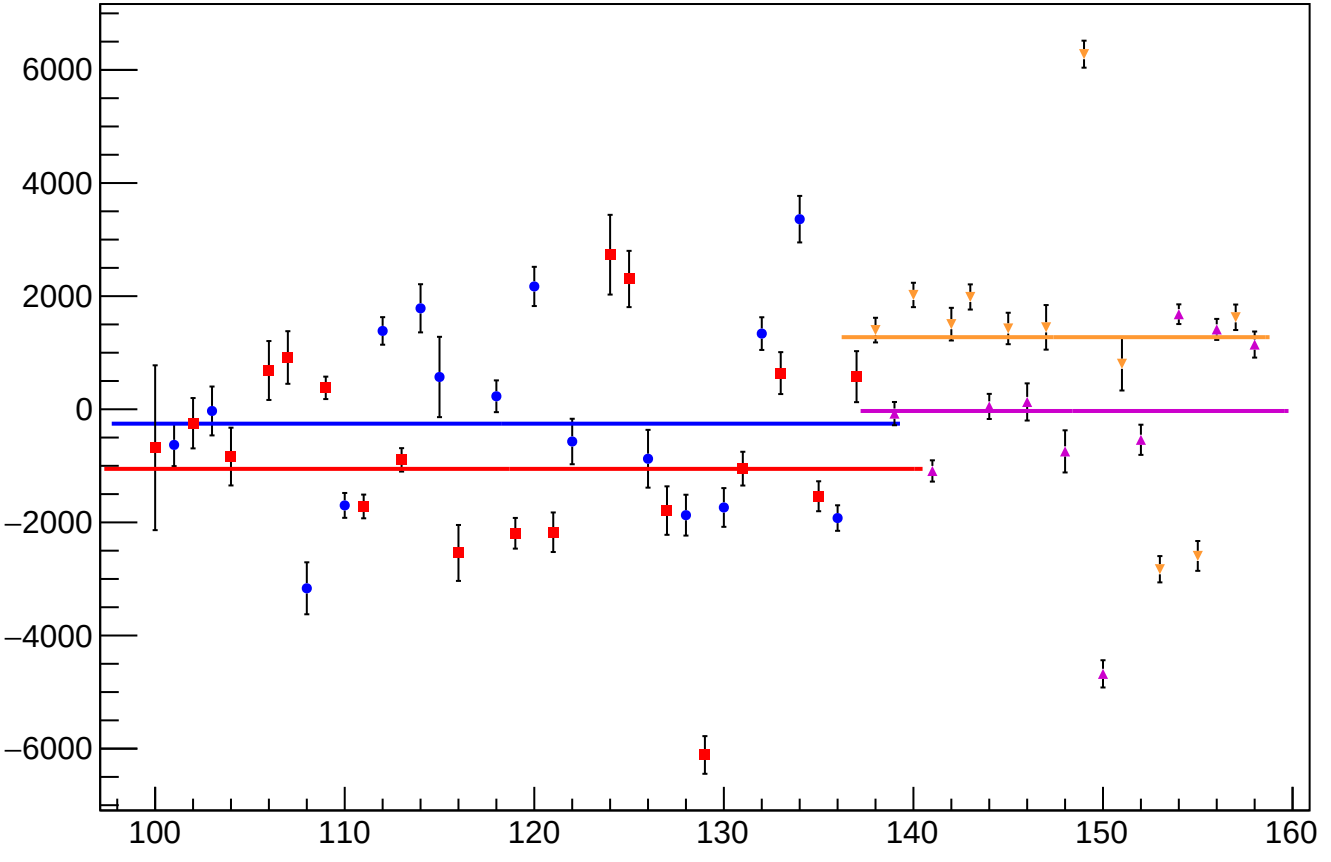
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 194.768+/-0.036 χ^2/NDF:1819530.2/25

Out: 198.499+/-0.037 χ^2/NDF:2291327.7/29

All: 196.609+/-0.026 χ^2/NDF: 4116046.0/55

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1274.936+/-77.003 χ^2/NDF:992.2/10

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -30.218+/-70.585 χ^2/NDF:594.4/9

Left: 565.714+/-52.033 χ^2/NDF: 1742.6/20

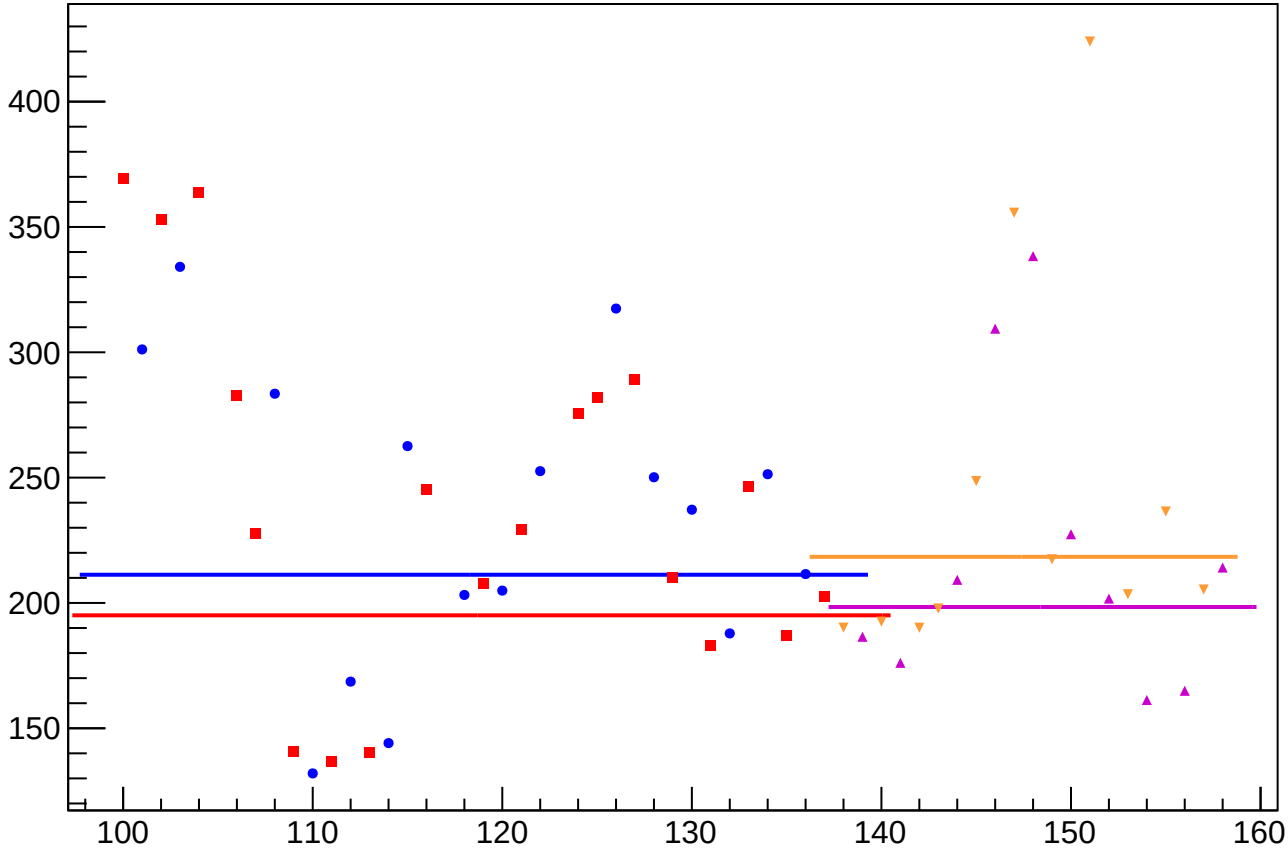
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -125.009+/-53.631 χ^2/NDF:1007.9/25

Out: 94.869+/-54.080 χ^2/NDF:1933.3/29

All: -15.987+/-38.081 χ^2/NDF: 2949.5/55

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 218.394+/-0.054 χ^2/NDF:767924.7/10

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 198.385+/-0.050 χ^2/NDF:744448.3/9

Left: 207.521+/-0.037 χ^2/NDF: 1585759.8/20

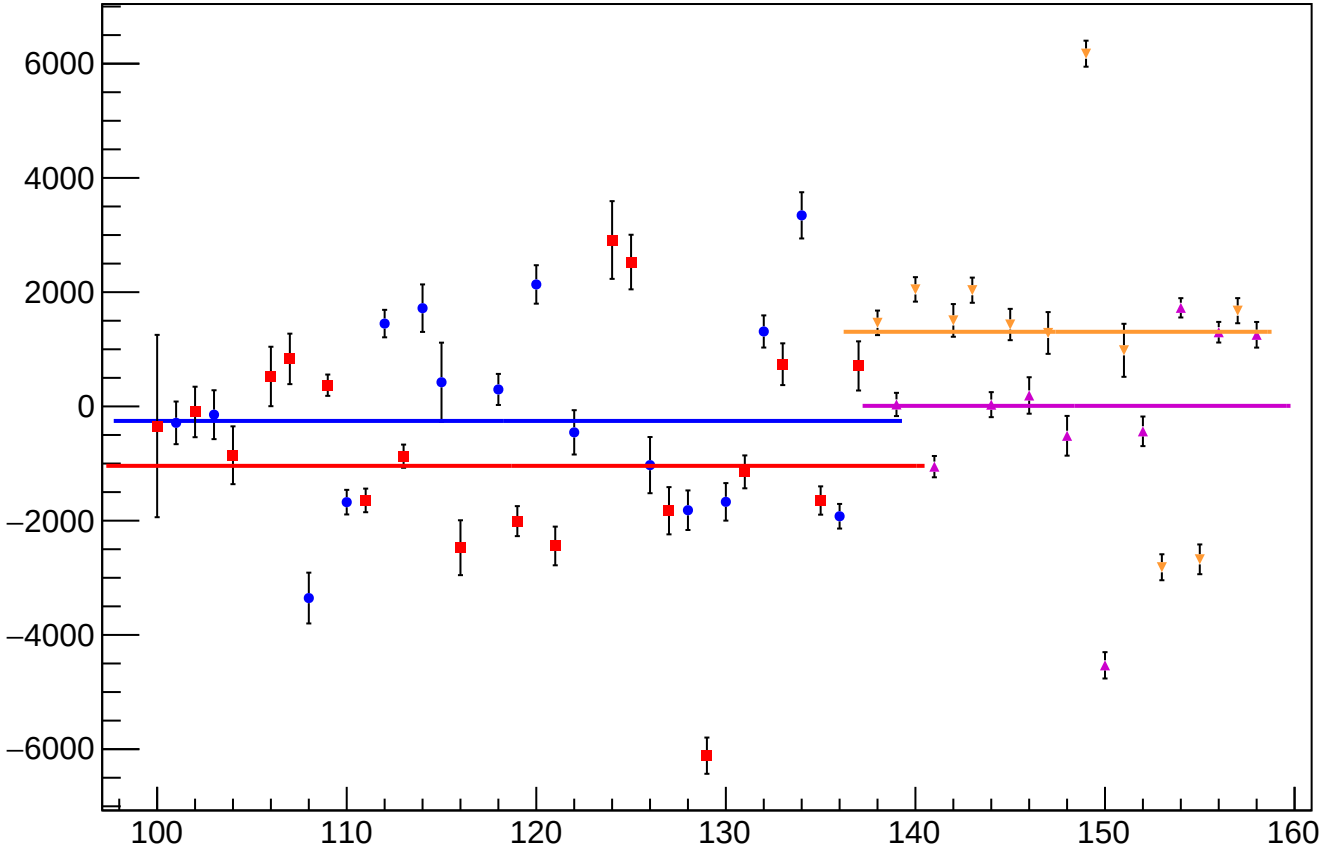
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 203.824+/-0.038 χ^2/NDF:1656912.8/25

Out: 206.570+/-0.038 χ^2/NDF:2145864.2/29

All: 205.186+/-0.027 χ^2/NDF: 3805376.4/55

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1306.364+/-75.433 χ^2/NDF:1046.4/10

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 9.866+/-68.832 χ^2/NDF:610.8/9

Left: 598.911+/-50.845 χ^2/NDF: 1818.4/20

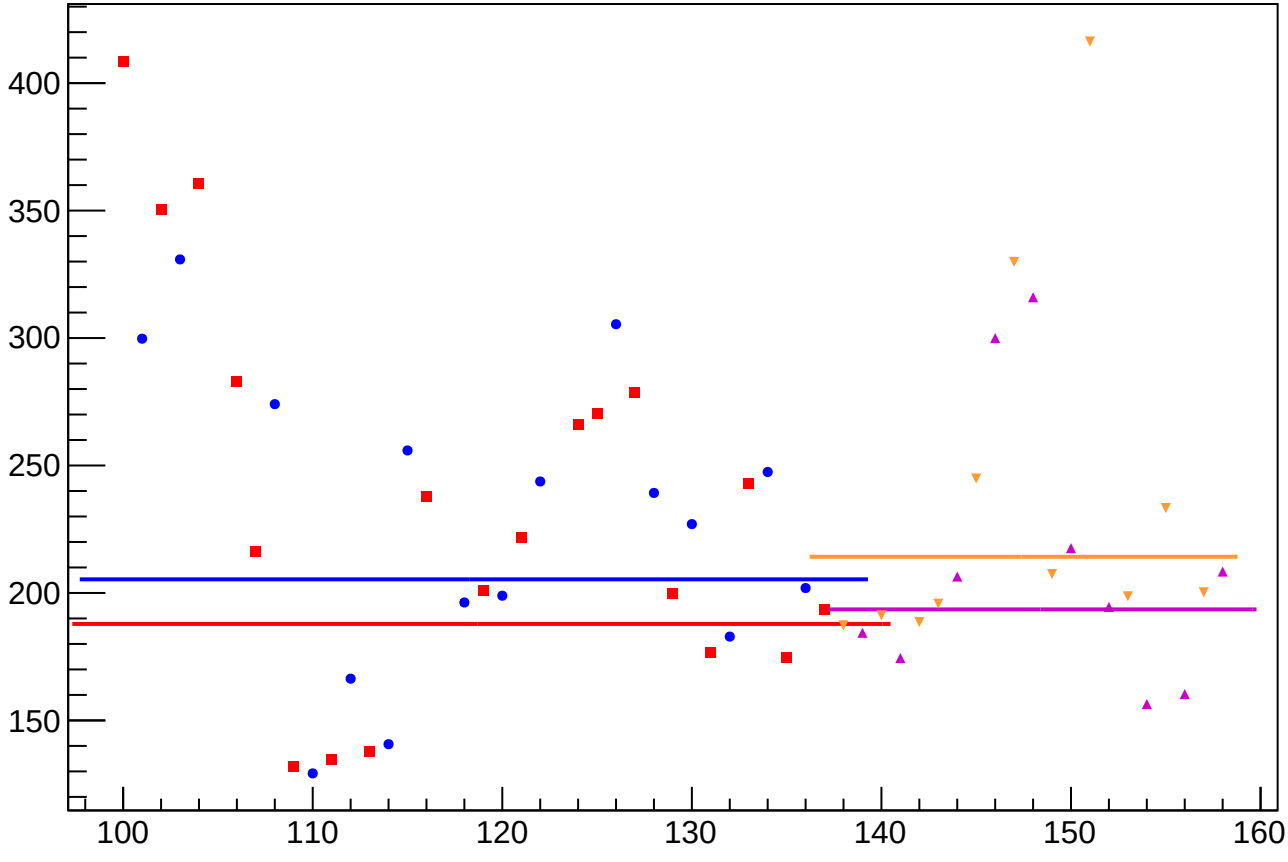
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -102.038+/-52.239 χ^2/NDF:1049.1/25

Out: 100.355+/-52.592 χ^2/NDF:2077.2/29

All: -1.524+/-37.063 χ^2/NDF: 3133.7/55

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 214.193+/-0.053 χ^2/NDF:719106.1/10

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 193.552+/-0.049 χ^2/NDF:696671.7/9

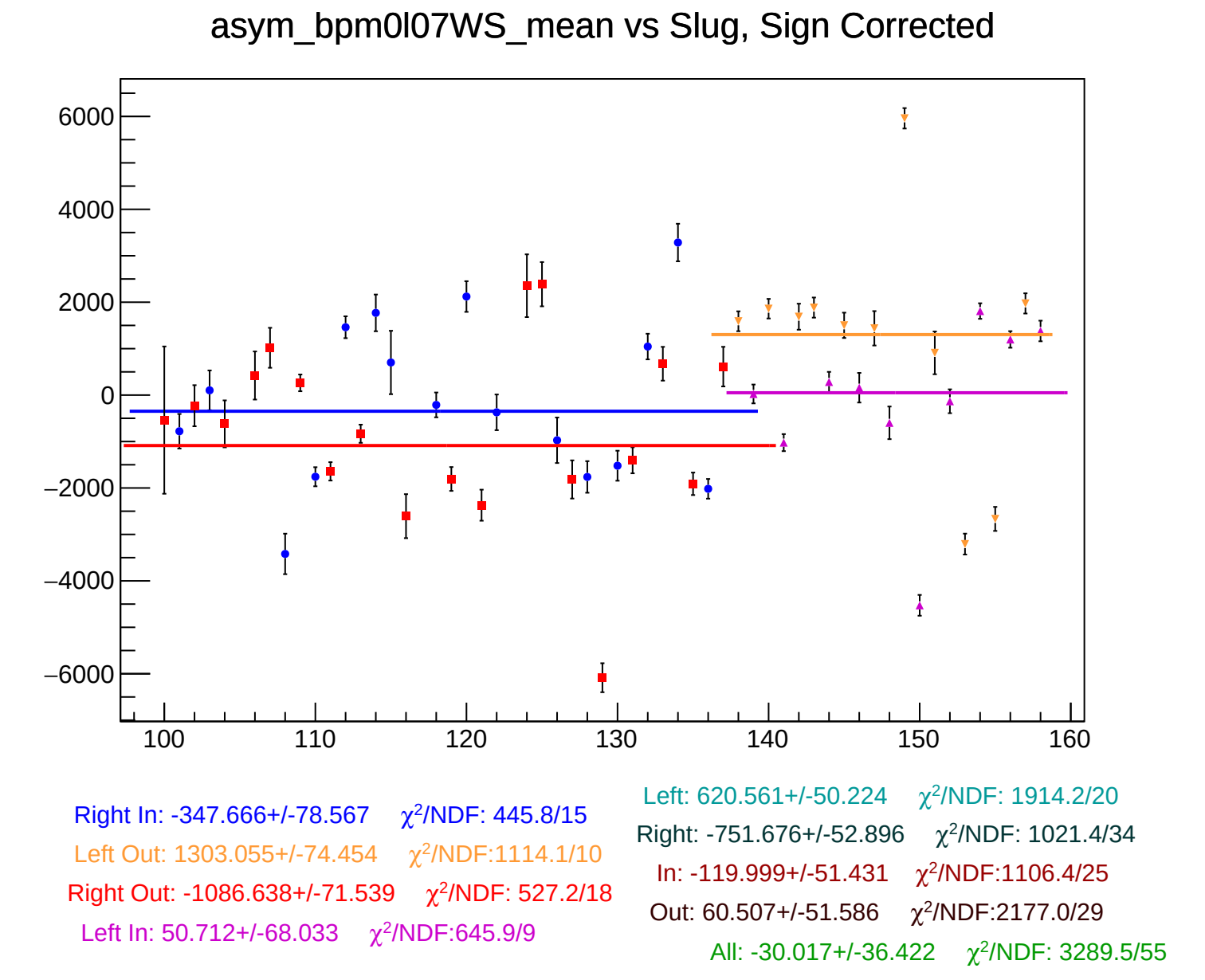
Left: 202.930+/-0.036 χ^2/NDF: 1497493.3/20

Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

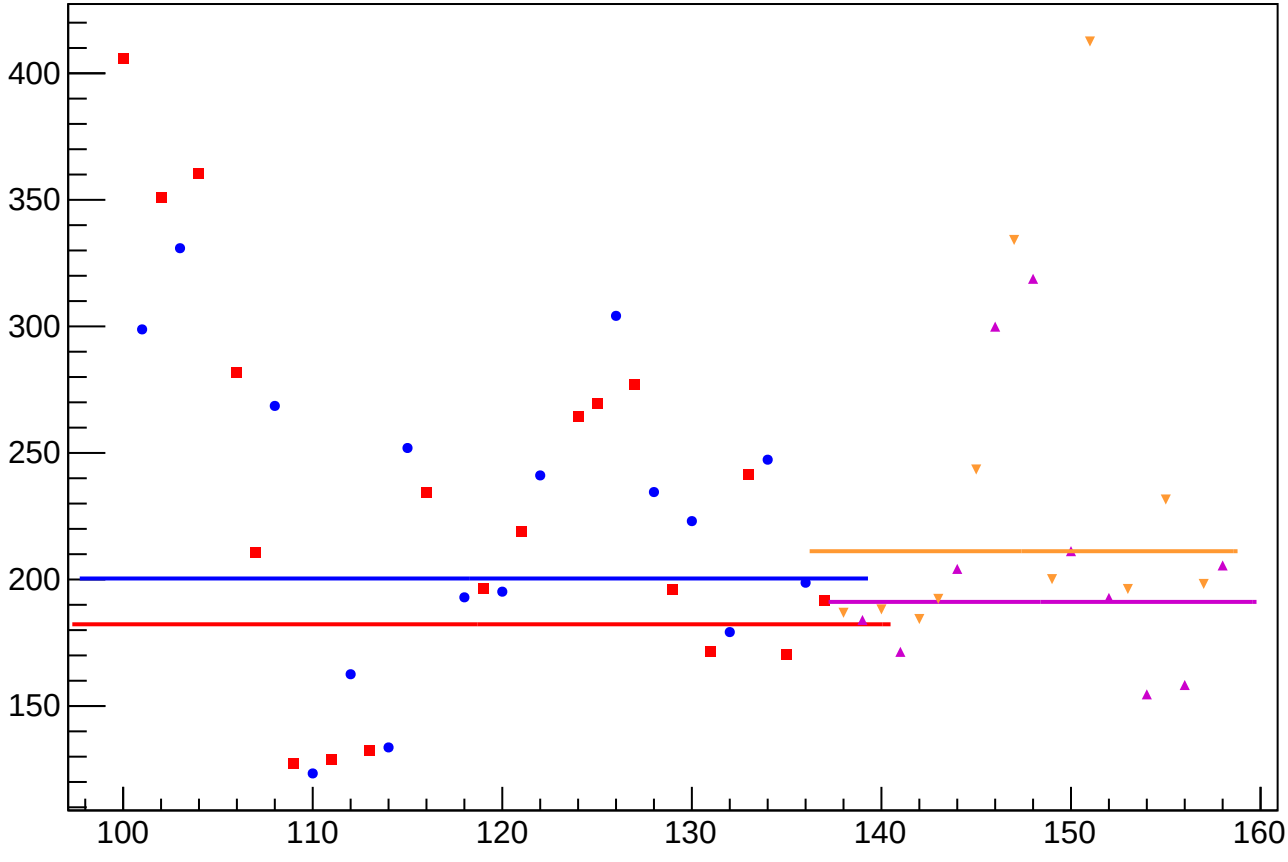
In: 198.551+/-0.037 χ^2/NDF:1598950.2/25

Out: 200.654+/-0.037 χ^2/NDF:2181519.9/29

All: 199.595+/-0.026 χ^2/NDF: 3782080.5/55


asym_bpm0l07WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -347.666+/-78.567 χ²/NDF: 445.8/15
Left Out: 1303.055+/-74.454 χ²/NDF:1114.1/10
Right Out: -1086.638+/-71.539 χ²/NDF: 527.2/18
Left In: 50.712+/-68.033 χ²/NDF:645.9/9
Left: 620.561+/-50.224 χ²/NDF: 1914.2/20
Right: -751.676+/-52.896 χ²/NDF: 1021.4/34
In: -119.999+/-51.431 χ²/NDF:1106.4/25
Out: 60.507+/-51.586 χ²/NDF:2177.0/29
All: -30.017+/-36.422 χ²/NDF: 3289.5/55

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 211.174+/-0.053 χ^2/NDF:748114.0/10

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 191.150+/-0.048 χ^2/NDF:717760.3/9

Left: 200.262+/-0.036 χ^2/NDF: 1544715.2/20

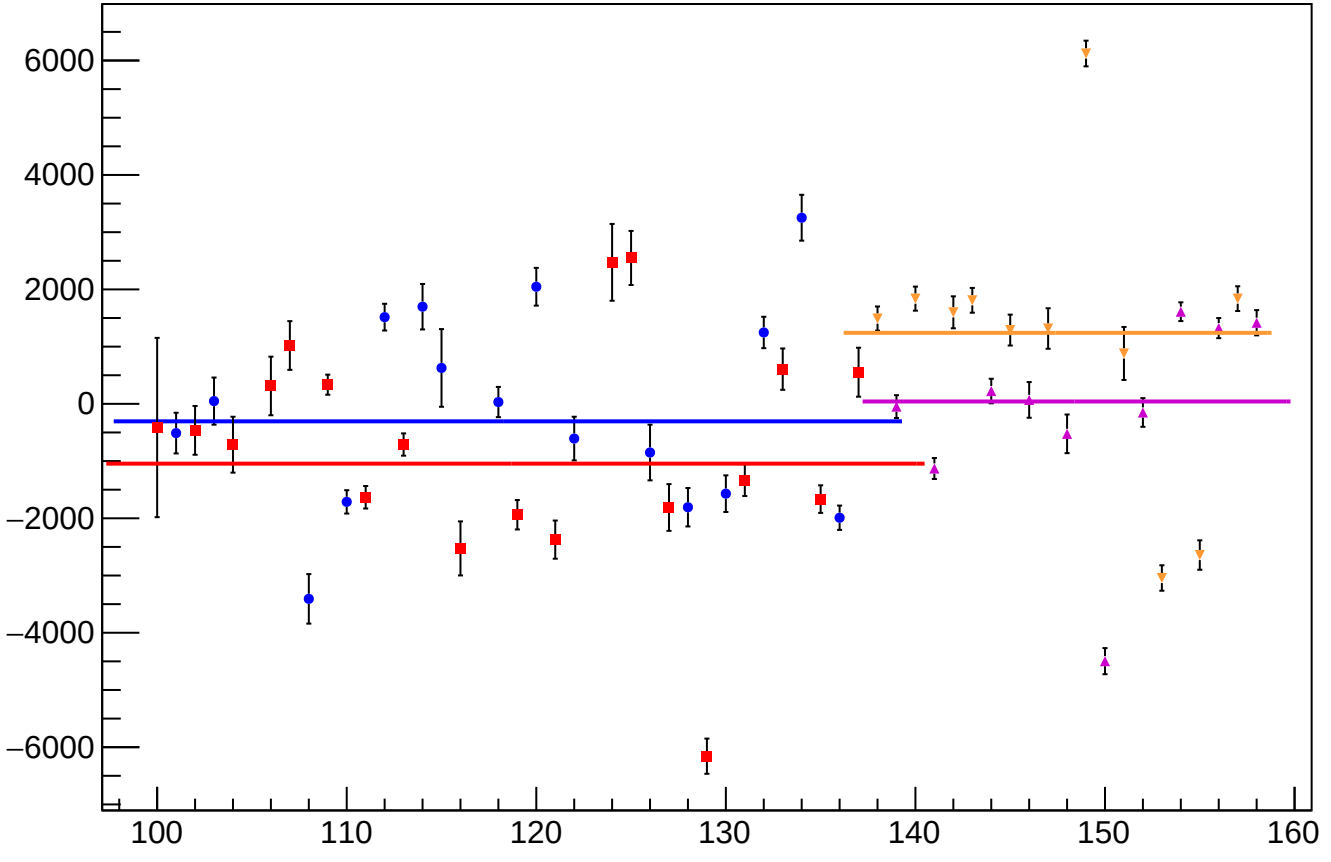
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 195.113+/-0.036 χ^2/NDF:1692600.2/25

Out: 196.162+/-0.036 χ^2/NDF:2351698.1/29

All: 195.636+/-0.026 χ^2/NDF: 4044712.8/55

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1240.927+/-74.086 χ^2/NDF:1098.7/10

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 41.532+/-67.279 χ^2/NDF:624.4/9

Left: 583.614+/-49.807 χ^2/NDF: 1866.7/20

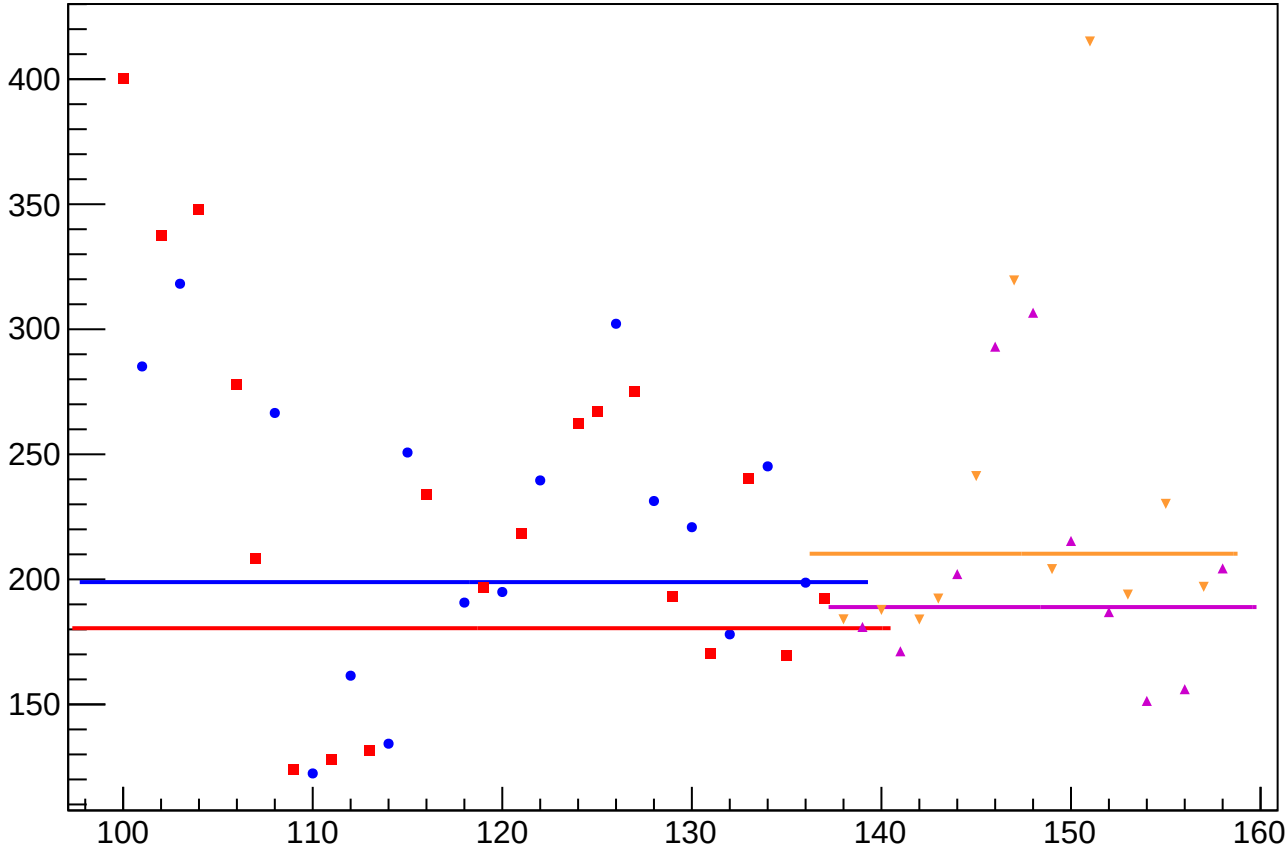
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -106.865+/-50.909 χ^2/NDF:1087.6/25

Out: 46.450+/-51.194 χ^2/NDF:2148.4/29

All: -30.636+/-36.099 χ^2/NDF: 3240.5/55

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 210.254+/-0.052 χ^2/NDF:725426.8/10

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 188.922+/-0.048 χ^2/NDF:706443.6/9

Left: 198.563+/-0.035 χ^2/NDF: 1522738.1/20

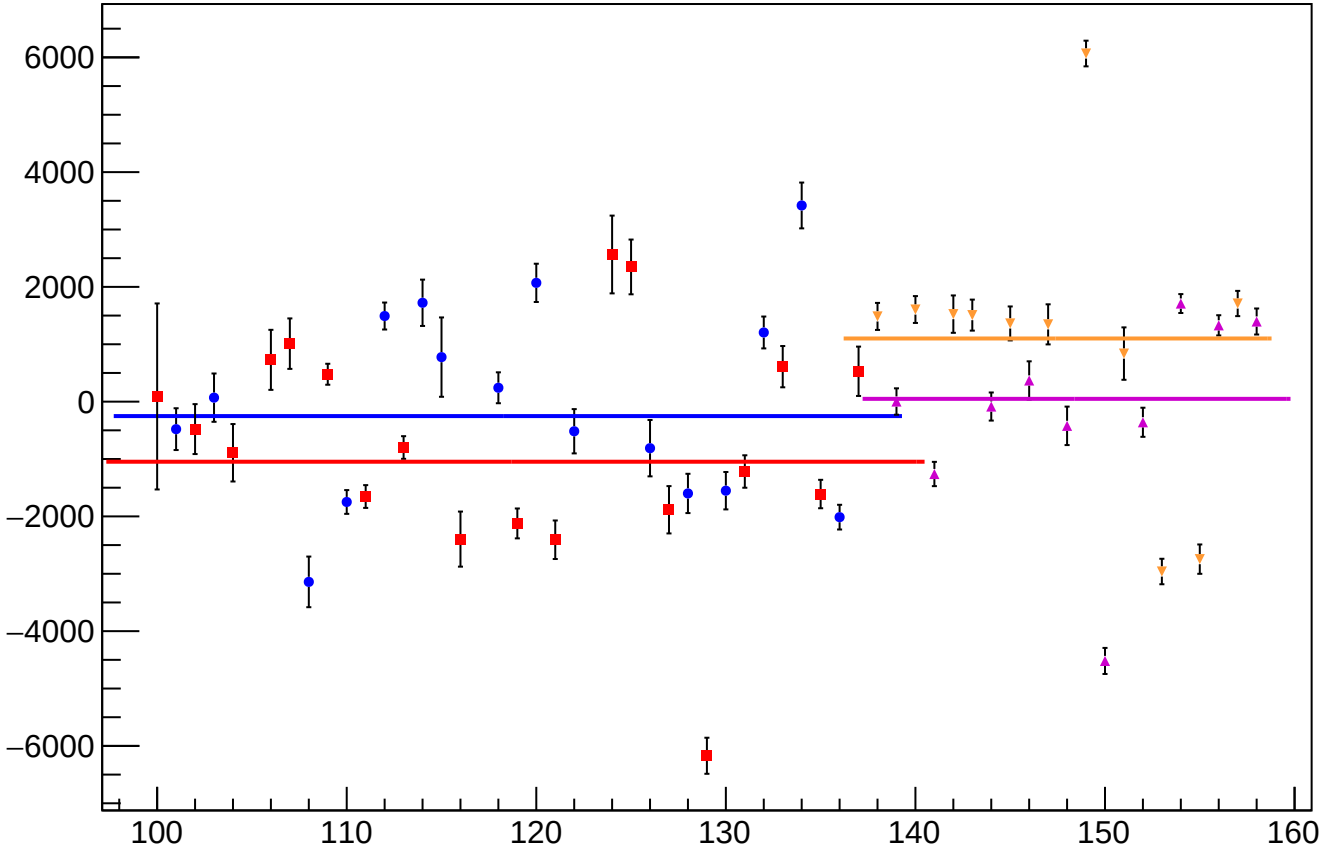
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 193.188+/-0.036 χ^2/NDF:1638020.1/25

Out: 194.693+/-0.036 χ^2/NDF:2328721.8/29

All: 193.936+/-0.026 χ^2/NDF: 3967610.9/55

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1100.732+/-79.061 χ^2/NDF:1073.3/10

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 48.673+/-70.851 χ^2/NDF:638.6/9

Left: 517.258+/-52.764 χ^2/NDF: 1810.1/20

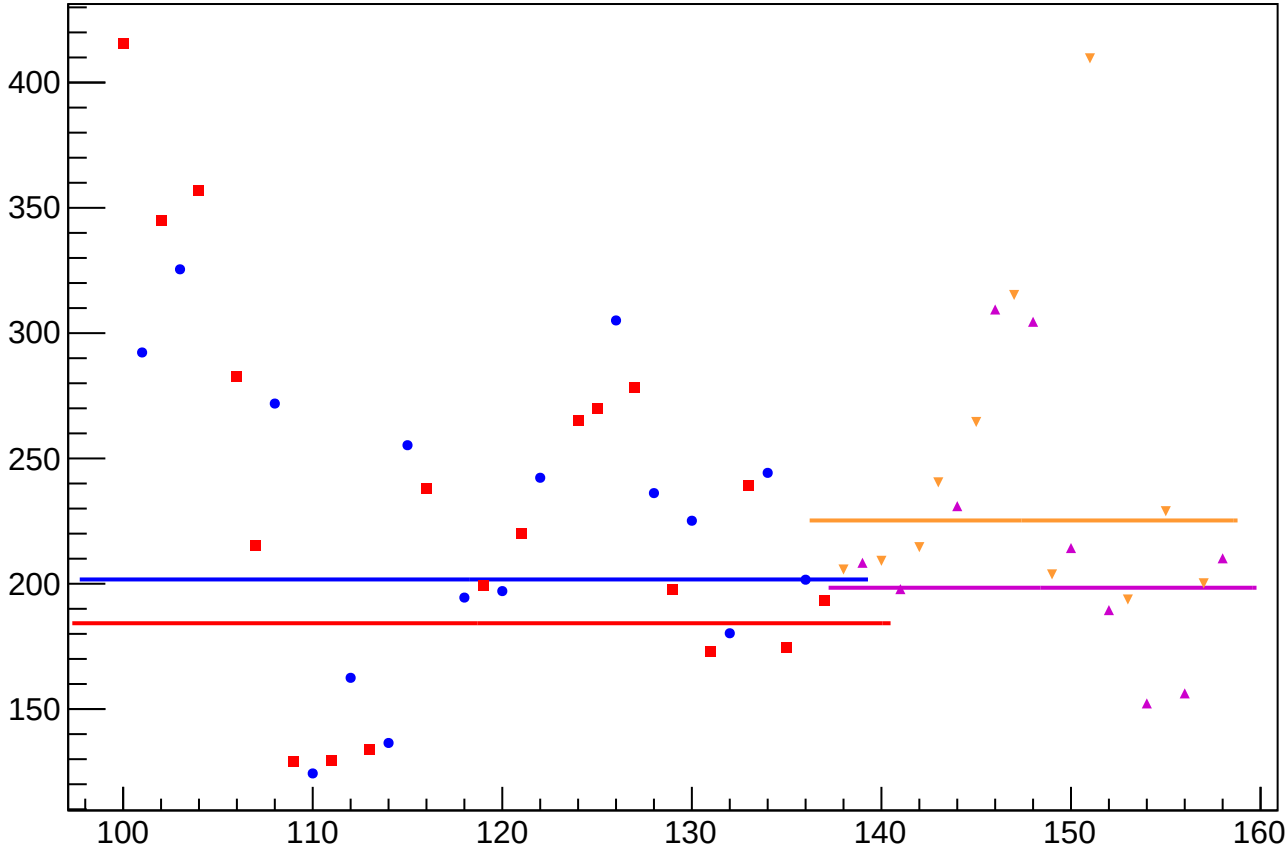
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -85.319+/-52.738 χ^2/NDF:1087.8/25

Out: -70.578+/-53.310 χ^2/NDF:2022.5/29

All: -78.028+/-37.492 χ^2/NDF: 3110.4/55

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 225.254+/-0.056 χ^2/NDF:610945.4/10

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 198.408+/-0.050 χ^2/NDF:749596.3/9

Left: 210.365+/-0.037 χ^2/NDF: 1488429.9/20

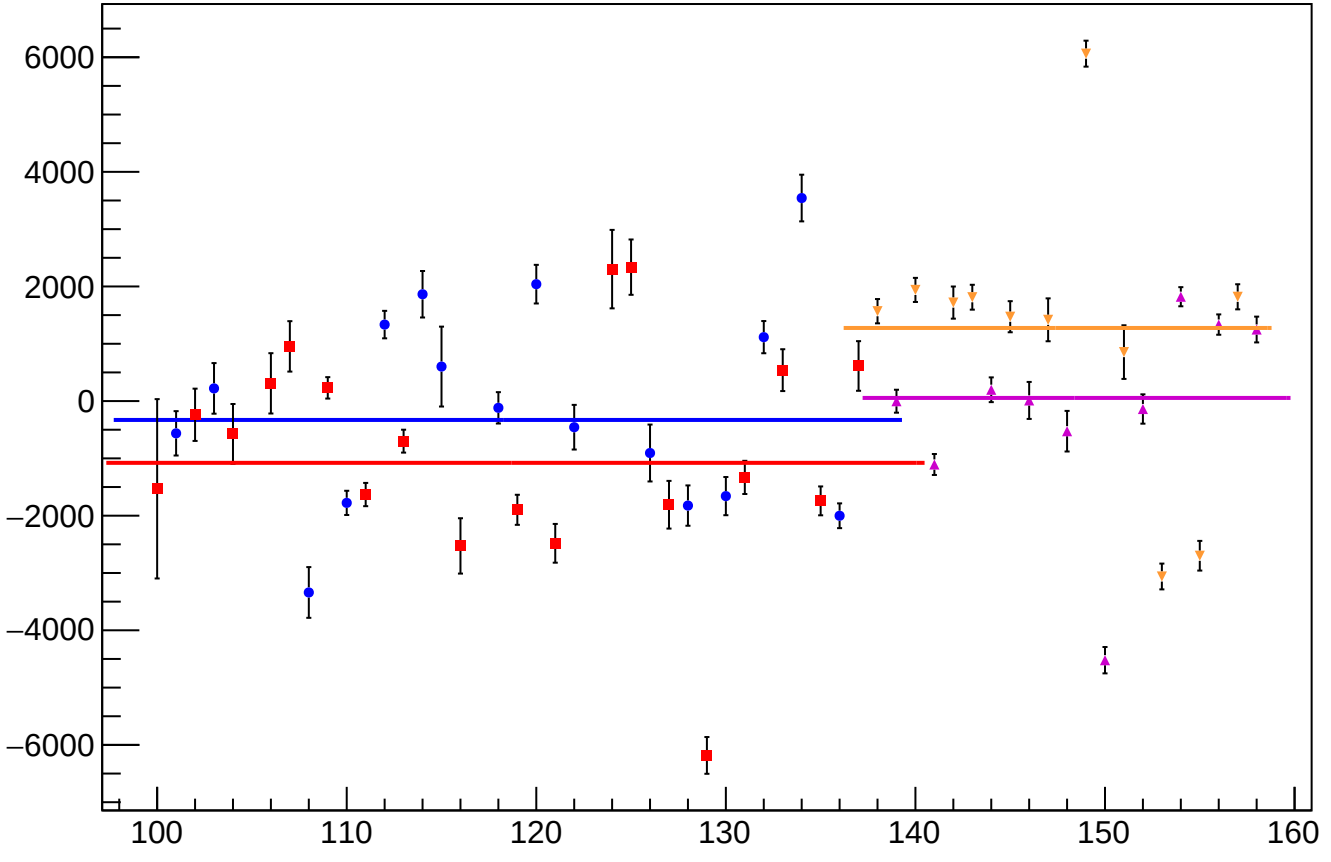
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 199.882+/-0.037 χ^2/NDF:1675747.9/25

Out: 202.889+/-0.038 χ^2/NDF:2308160.4/29

All: 201.369+/-0.027 χ^2/NDF: 3987125.1/55

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1275.793+/-74.729 χ^2/NDF:1081.1/10

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 54.864+/-68.136 χ^2/NDF:632.1/9

Left: 609.098+/-50.349 χ^2/NDF: 1859.0/20

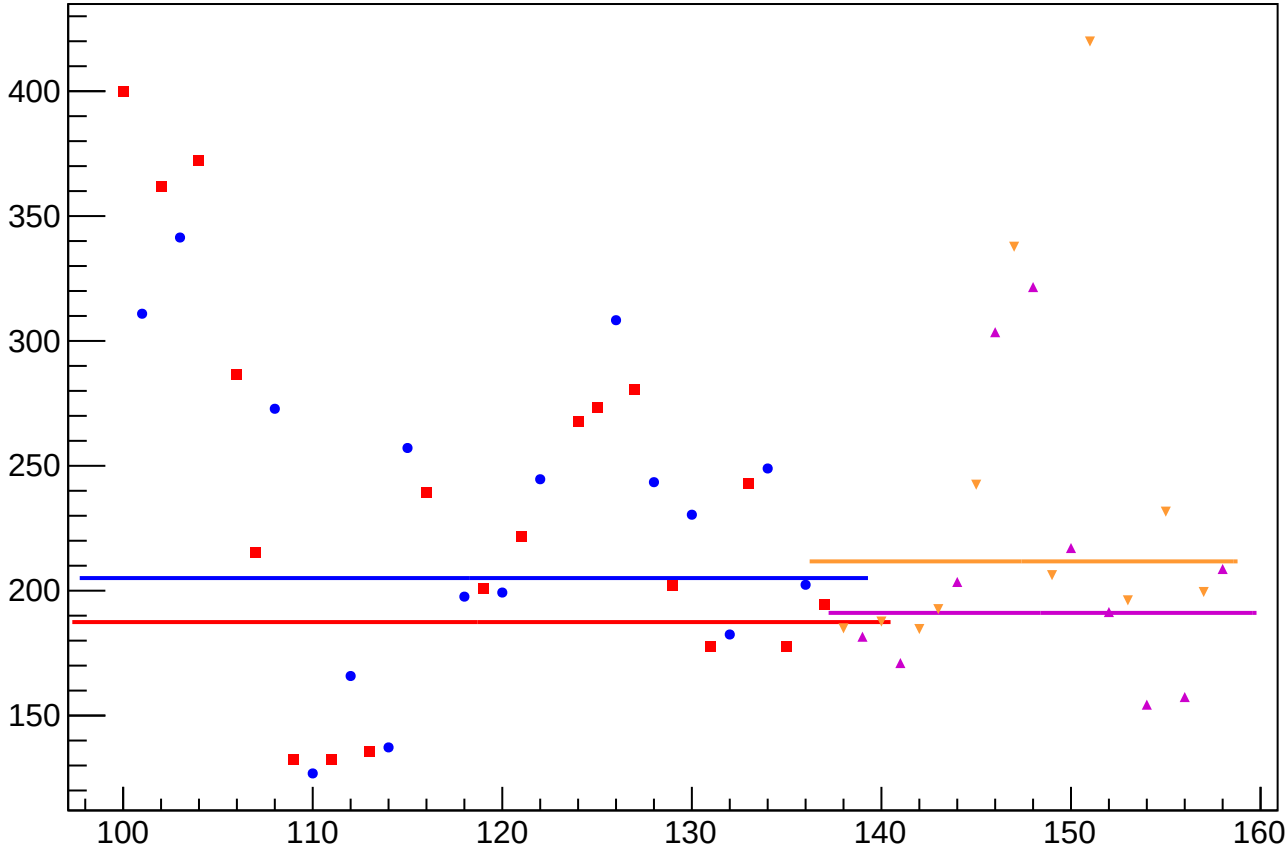
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -105.821+/-51.972 χ^2/NDF:1081.8/25

Out: 77.906+/-52.367 χ^2/NDF:2087.9/29

All: -14.654+/-36.888 χ^2/NDF: 3176.0/55

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 211.731+/-0.053 χ^2/NDF:769122.6/10

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 191.110+/-0.048 χ^2/NDF:755559.2/9

Left: 200.471+/-0.036 χ^2/NDF: 1607841.3/20

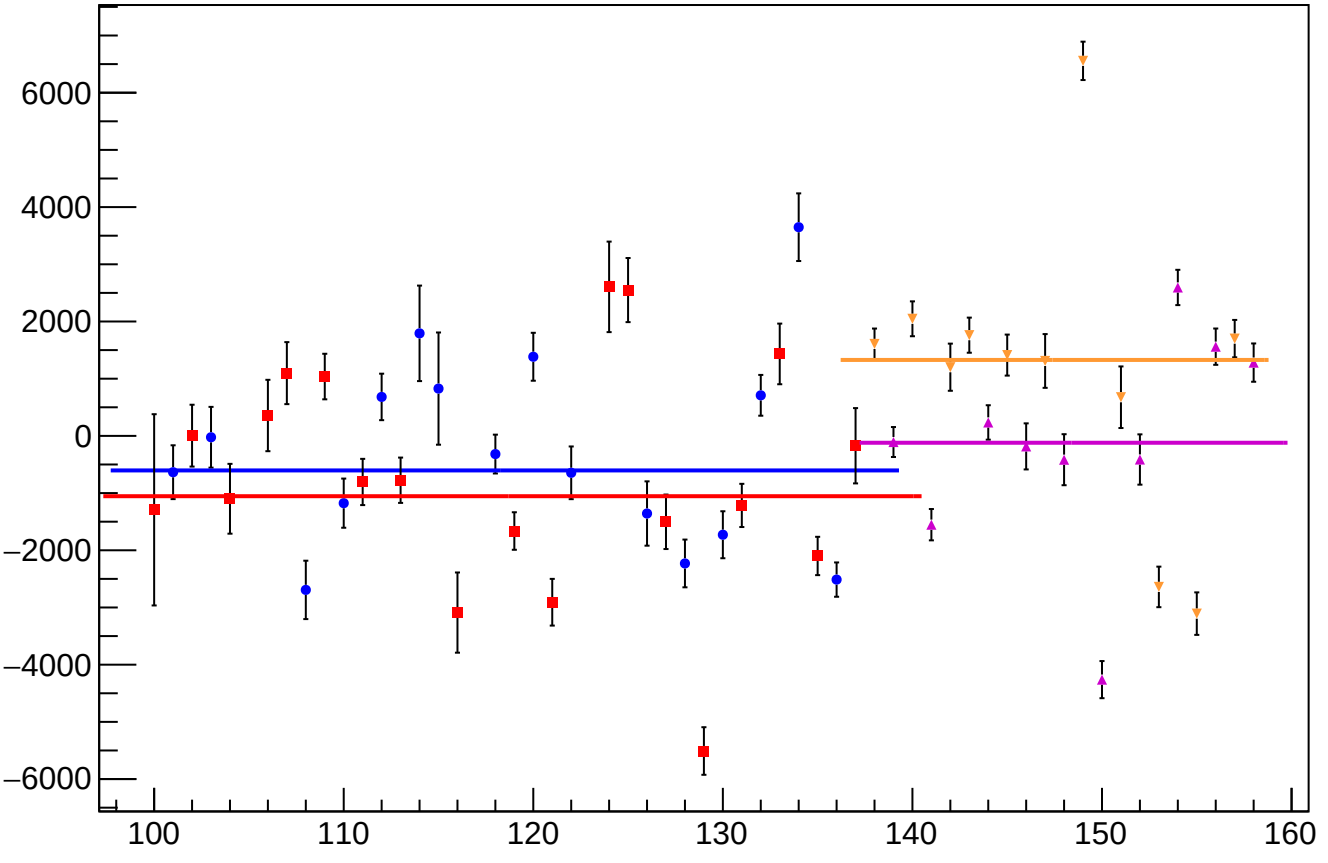
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 196.941+/-0.037 χ^2/NDF:1753635.7/25

Out: 199.364+/-0.037 χ^2/NDF:2287551.9/29

All: 198.143+/-0.026 χ^2/NDF: 4043344.9/55

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1327.858+/-105.266 χ^2/NDF:522.5/10

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -119.987+/-103.069 χ^2/NDF:315.5/9

Left: 588.668+/-73.645 χ^2/NDF: 934.5/20

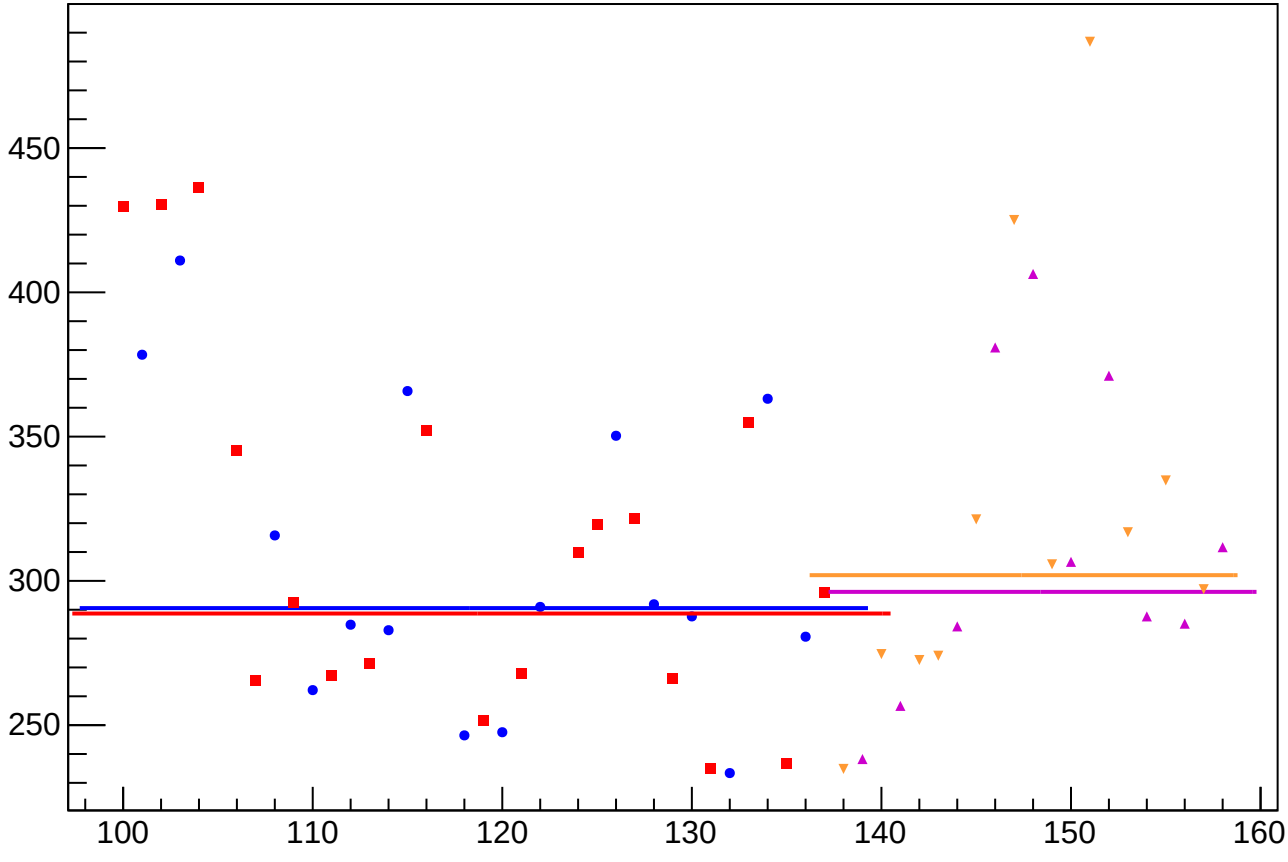
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -344.686+/-75.432 χ^2/NDF:519.3/25

Out: 170.091+/-75.472 χ^2/NDF:1069.1/29

All: -87.433+/-53.353 χ^2/NDF: 1611.6/55

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 301.980+/-0.074 χ^2/NDF:565910.7/10

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 296.192+/-0.073 χ^2/NDF:421380.5/9

Left: 299.025+/-0.052 χ^2/NDF: 990378.6/20

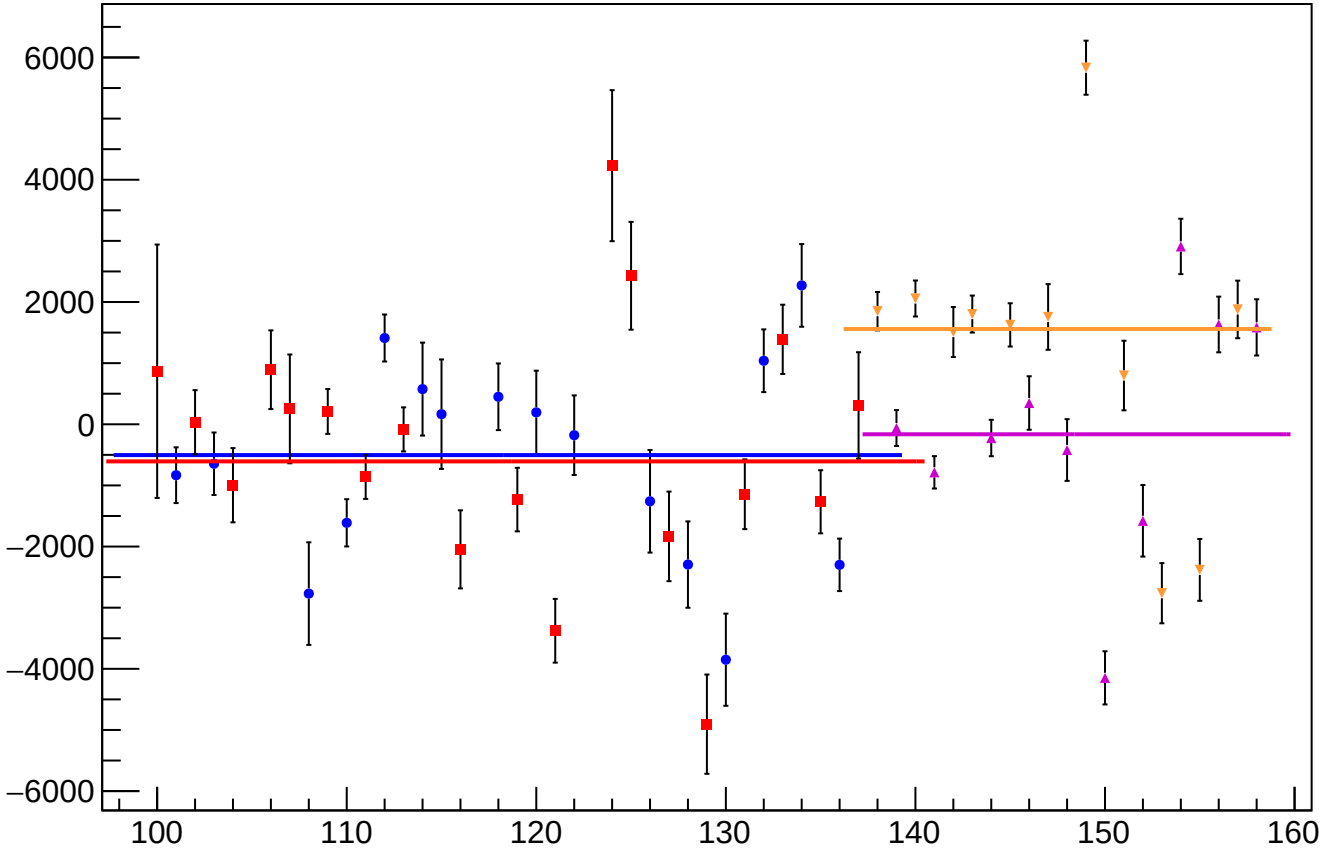
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.579+/-0.053 χ^2/NDF:783954.2/25

Out: 295.520+/-0.053 χ^2/NDF:1070506.7/29

All: 294.549+/-0.038 χ^2/NDF: 1855122.2/55

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1558.630+/-118.875 χ^2/NDF:238.0/10

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -163.768+/-120.505 χ^2/NDF:173.0/9

Left: 709.158+/-84.628 χ^2/NDF: 514.6/20

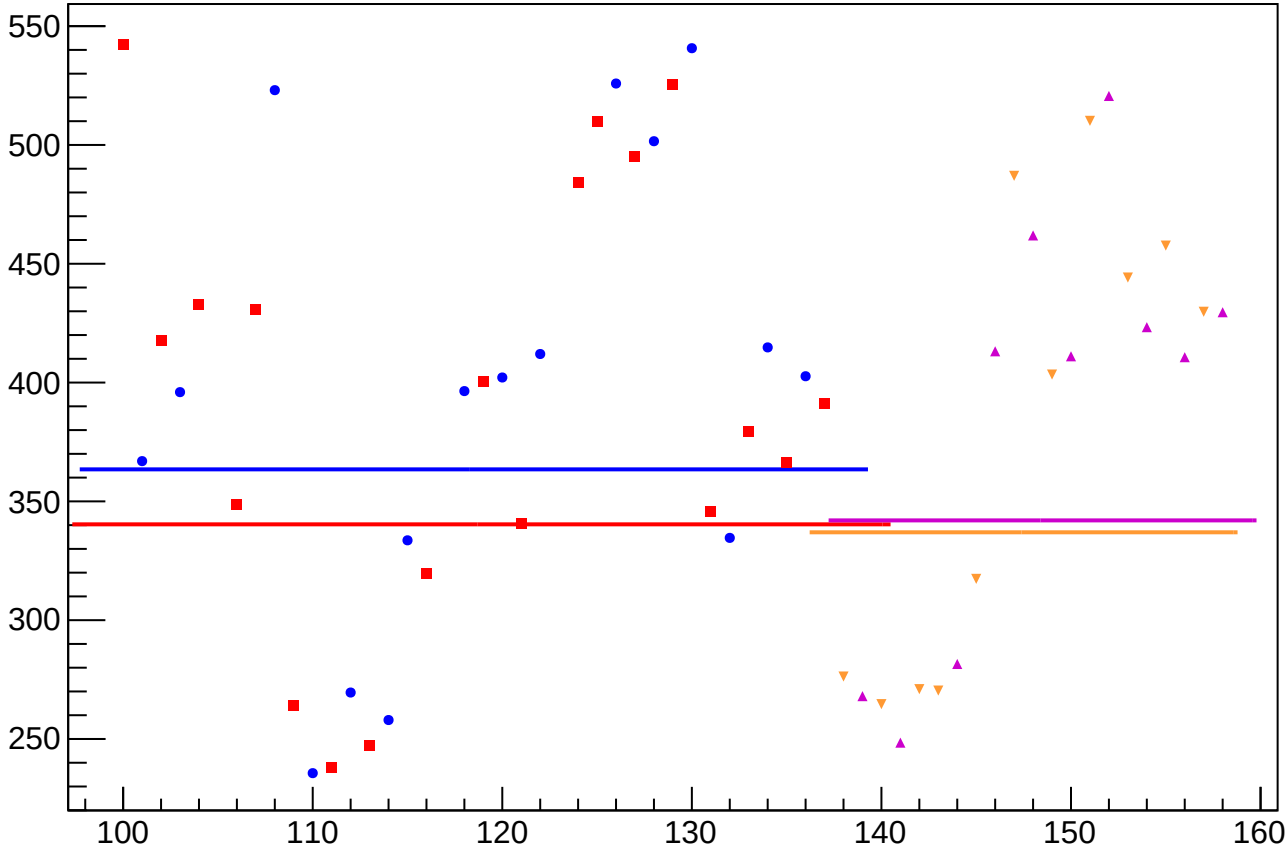
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -308.358+/-91.347 χ^2/NDF:294.7/25

Out: 569.239+/-87.607 χ^2/NDF:514.8/29

All: 148.777+/-63.228 χ^2/NDF: 857.5/55

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 336.981+/-0.084 χ^2/NDF:1023291.3/10

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 341.994+/-0.085 χ^2/NDF:1043158.4/9

Left: 339.454+/-0.060 χ^2/NDF: 2068204.0/20

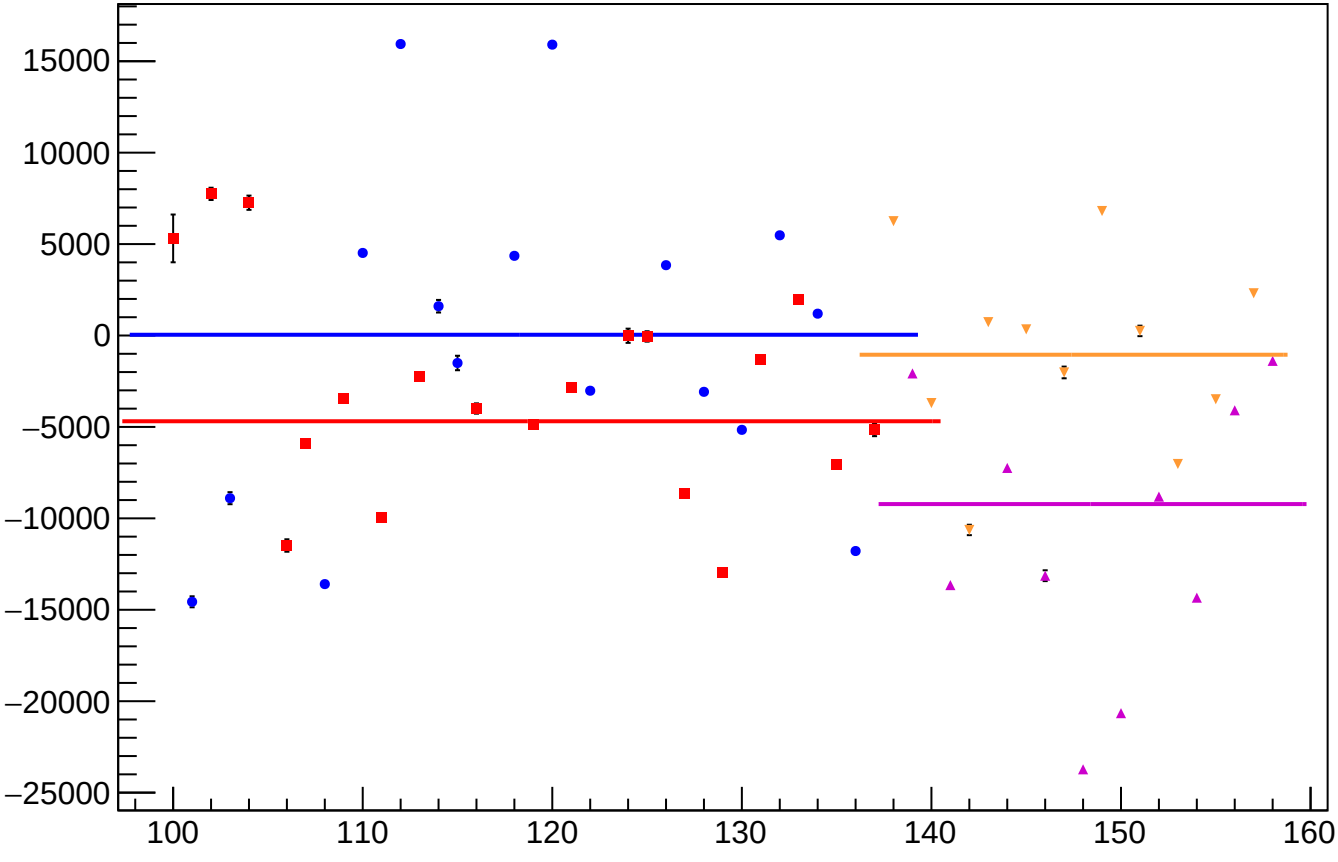
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 351.130+/-0.065 χ^2/NDF:1851074.1/25

Out: 338.512+/-0.062 χ^2/NDF:1880247.7/29

All: 344.558+/-0.045 χ^2/NDF: 3751199.4/55

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1051.393+/-60.652 χ^2/NDF:6562.3/10

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -9218.937+/-60.616 χ^2/NDF:12984.8/9

Left: -5137.647+/-42.875 χ^2/NDF: 28619.4/20

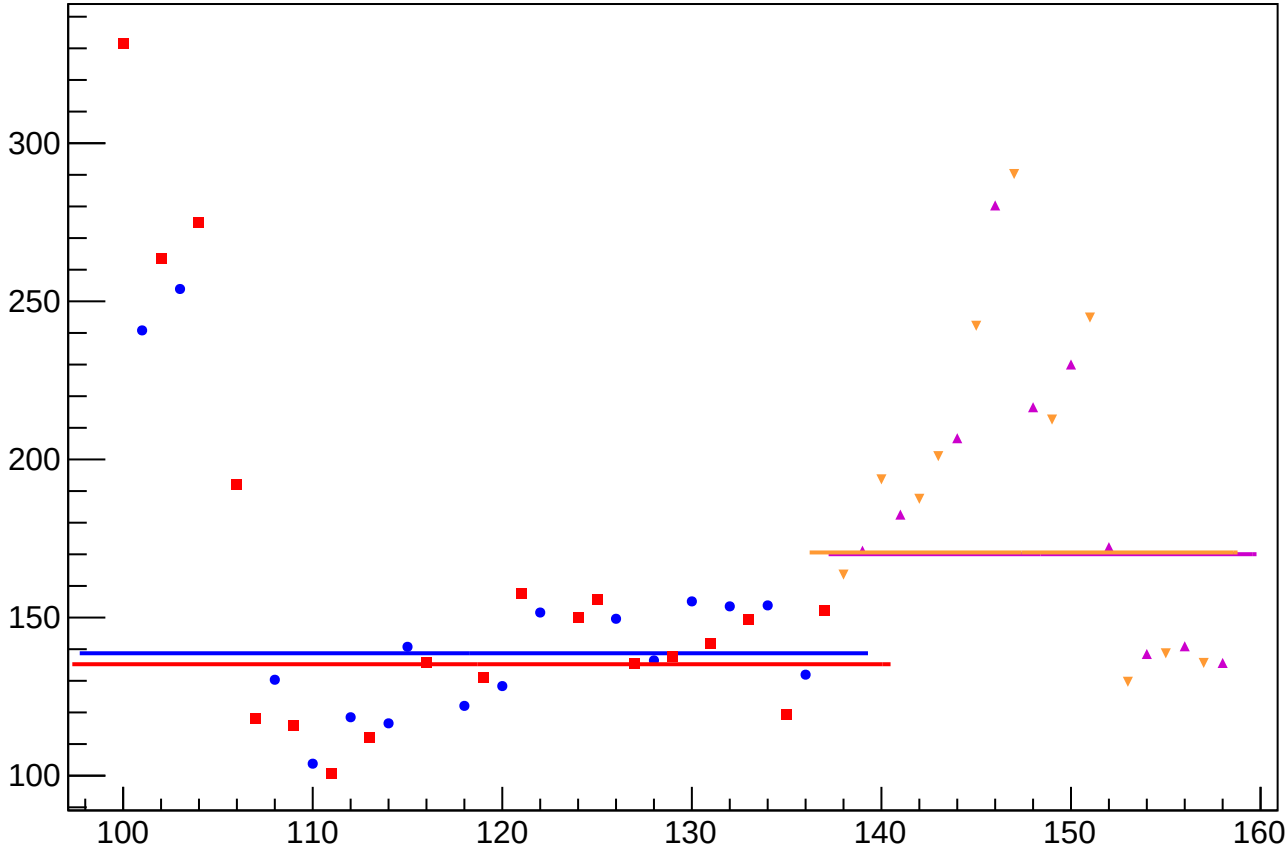
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4073.092+/-40.403 χ^2/NDF:56739.6/25

Out: -3145.114+/-39.519 χ^2/NDF:16428.7/29

All: -3598.838+/-28.252 χ^2/NDF: 73437.9/55

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 170.587+/-0.043 χ^2/NDF:1043827.7/10

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 170.038+/-0.043 χ^2/NDF:802836.4/9

Left: 170.312+/-0.030 χ^2/NDF: 1846746.2/20

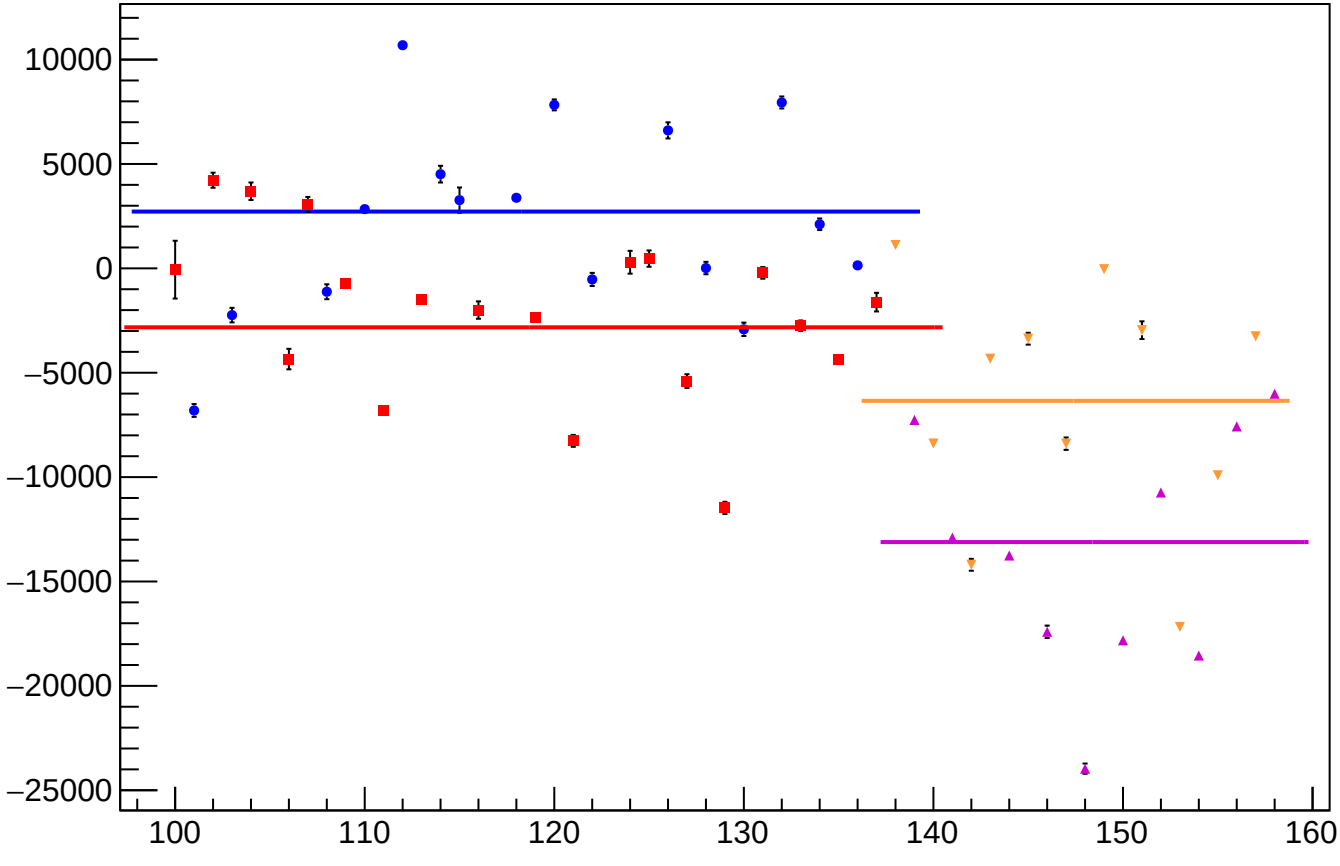
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 152.630+/-0.029 χ^2/NDF:1757468.0/25

Out: 150.249+/-0.028 χ^2/NDF:2324633.1/29

All: 151.413+/-0.020 χ^2/NDF: 4085649.3/55

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6346.781+/-71.145 χ^2/NDF:6750.5/10

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -13110.901+/-63.887 χ^2/NDF:7227.5/9

Left: -10091.322+/-47.534 χ^2/NDF: 18982.2/20

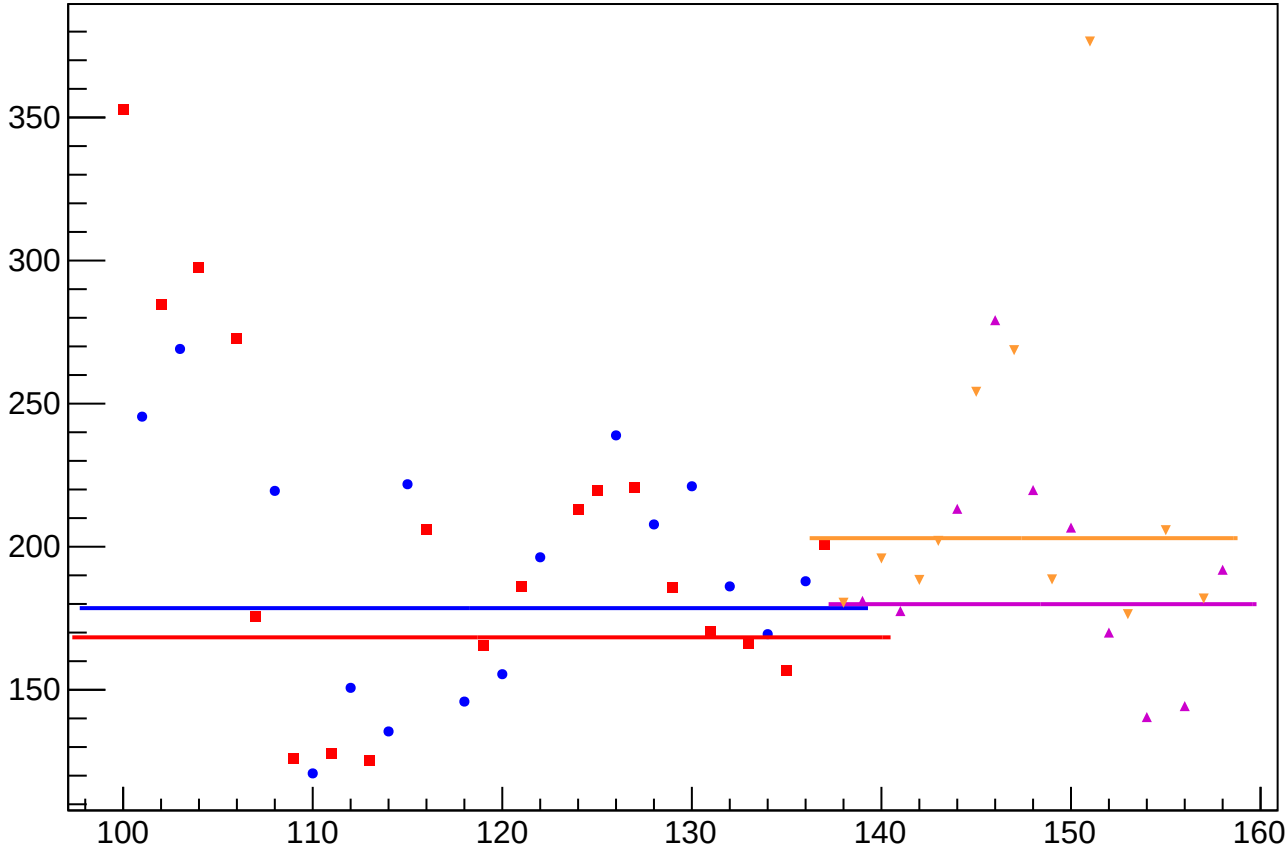
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5831.758+/-46.956 χ^2/NDF:39589.5/25

Out: -4422.514+/-47.927 χ^2/NDF:11152.7/29

All: -5141.561+/-33.541 χ^2/NDF: 51183.3/55

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 202.990+/-0.050 χ^2/NDF:596505.0/10

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 179.927+/-0.045 χ^2/NDF:592338.2/9

Left: 190.223+/-0.034 χ^2/NDF: 1305194.5/20

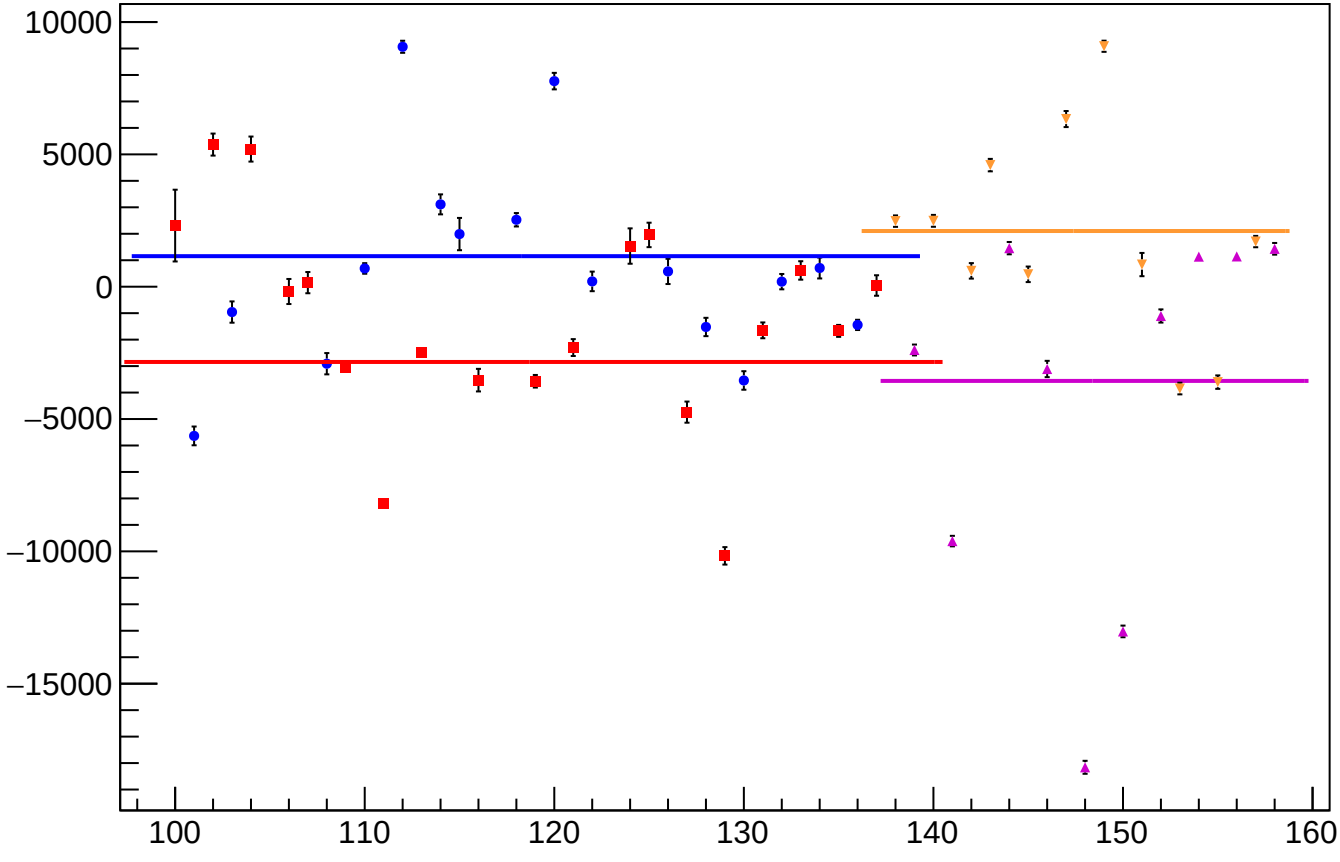
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 179.290+/-0.033 χ^2/NDF:1267337.2/25

Out: 184.062+/-0.034 χ^2/NDF:1835192.5/29

All: 181.627+/-0.024 χ^2/NDF: 3112646.9/55

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2104.168+/-74.779 χ^2/NDF:2714.0/10

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -3559.811+/-67.313 χ^2/NDF:8940.6/9

Left: -1024.621+/-50.030 χ^2/NDF: 14823.8/20

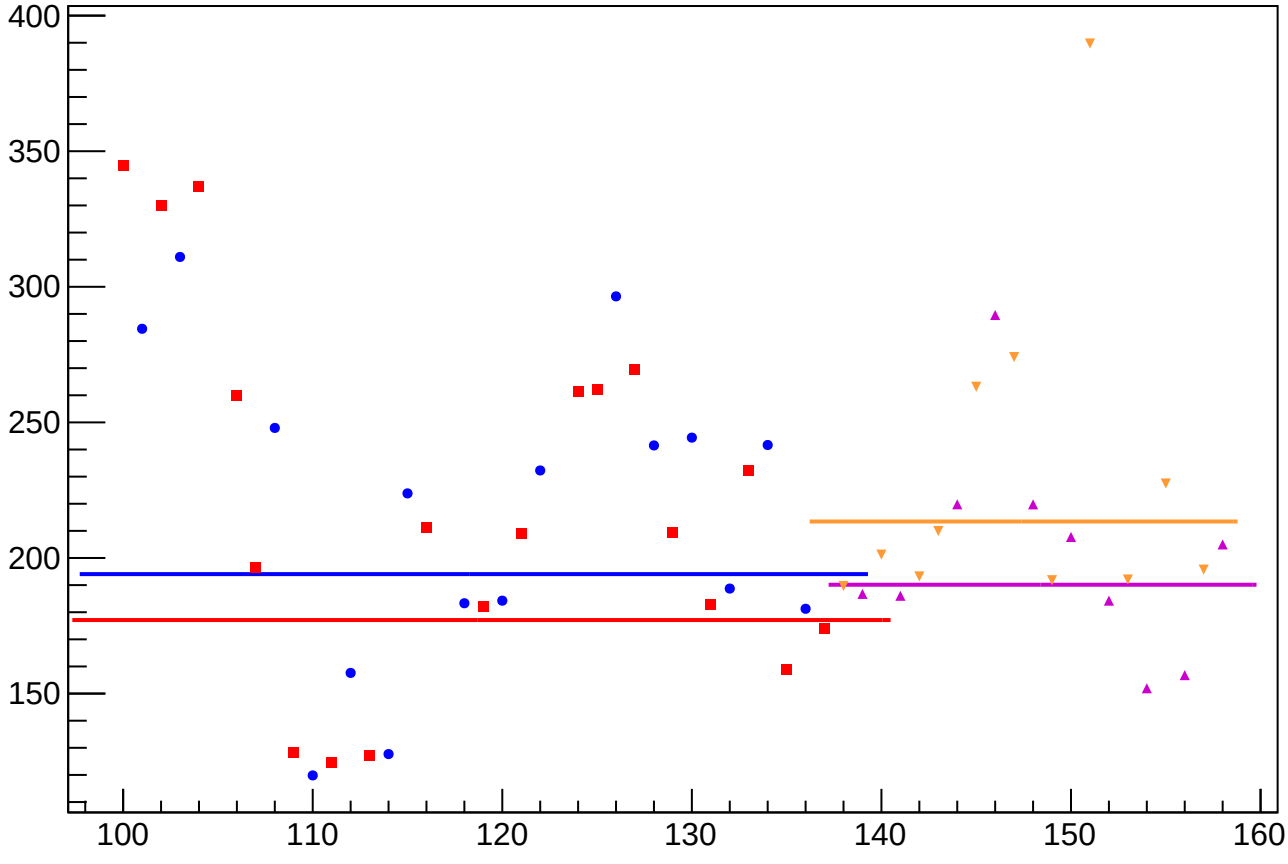
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1486.344+/-50.378 χ^2/NDF:13753.0/25

Out: -563.491+/-50.766 χ^2/NDF:7527.7/29

All: -1028.459+/-35.759 χ^2/NDF: 21447.2/55

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 213.457+/-0.053 χ^2/NDF:558570.9/10

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 190.137+/-0.048 χ^2/NDF:473246.4/9

Left: 200.575+/-0.035 χ^2/NDF: 1139252.2/20

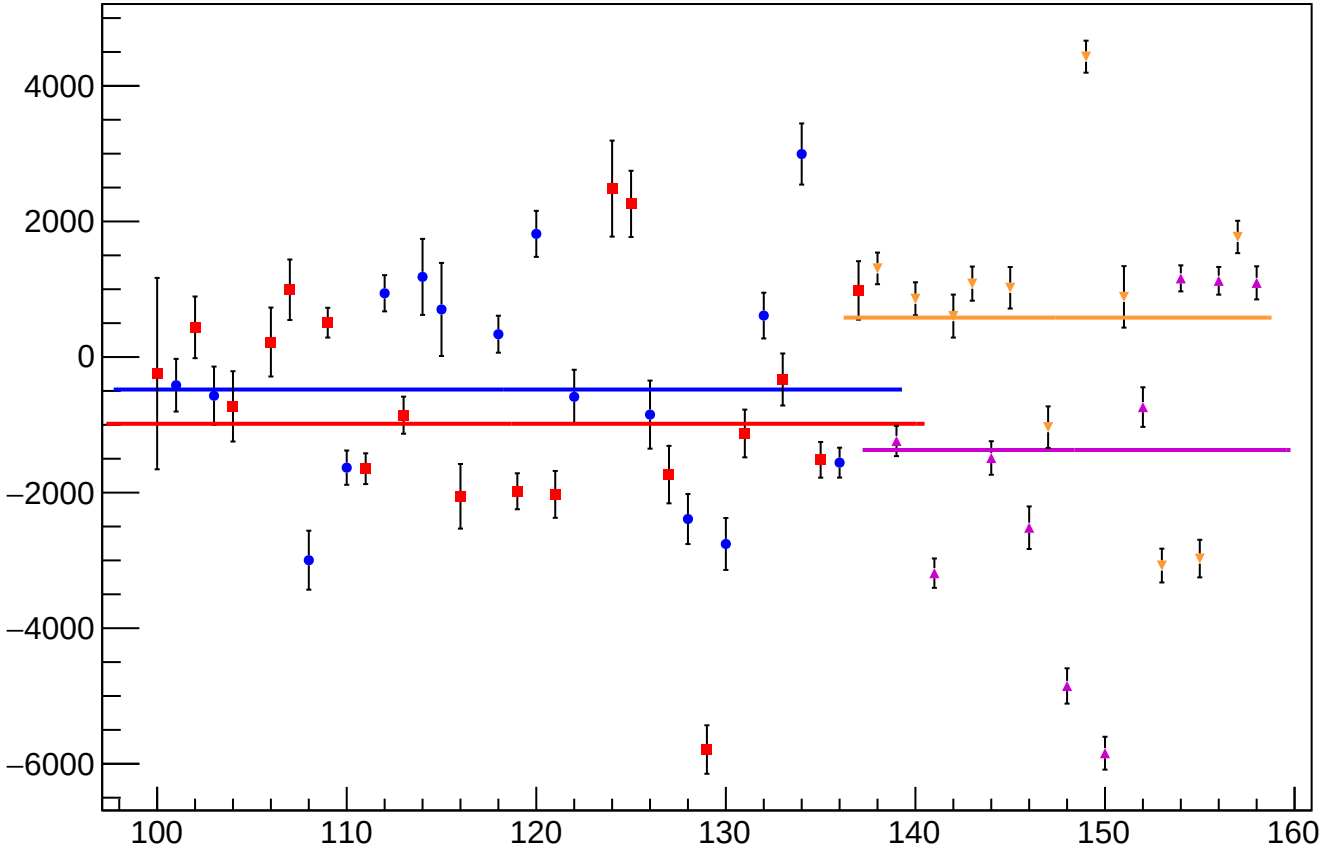
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 191.860+/-0.036 χ^2/NDF:1442009.3/25

Out: 193.864+/-0.036 χ^2/NDF:2172580.2/29

All: 192.854+/-0.025 χ^2/NDF: 3616159.6/55

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 581.403+/-81.179 χ^2/NDF:715.3/10

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -1371.372+/-74.745 χ^2/NDF:1032.4/9

Left: -475.427+/-54.987 χ^2/NDF: 2060.9/20

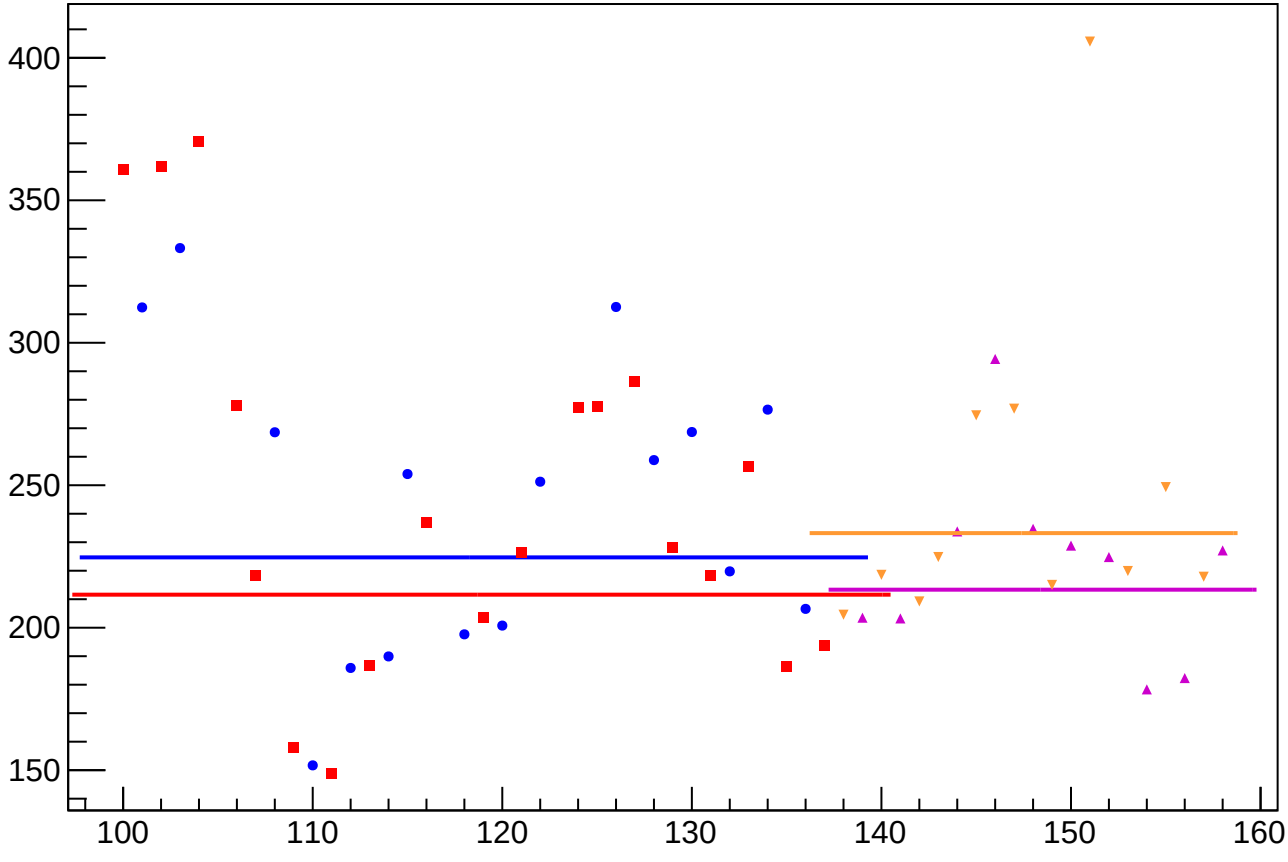
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -990.958+/-56.607 χ^2/NDF:1398.6/25

Out: -203.806+/-57.319 χ^2/NDF:1300.0/29

All: -602.303+/-40.277 χ^2/NDF: 2794.1/55

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.199+/-0.057 χ^2/NDF:449716.5/10

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 213.346+/-0.053 χ^2/NDF:298376.5/9

Left: 222.455+/-0.039 χ^2/NDF: 812827.4/20

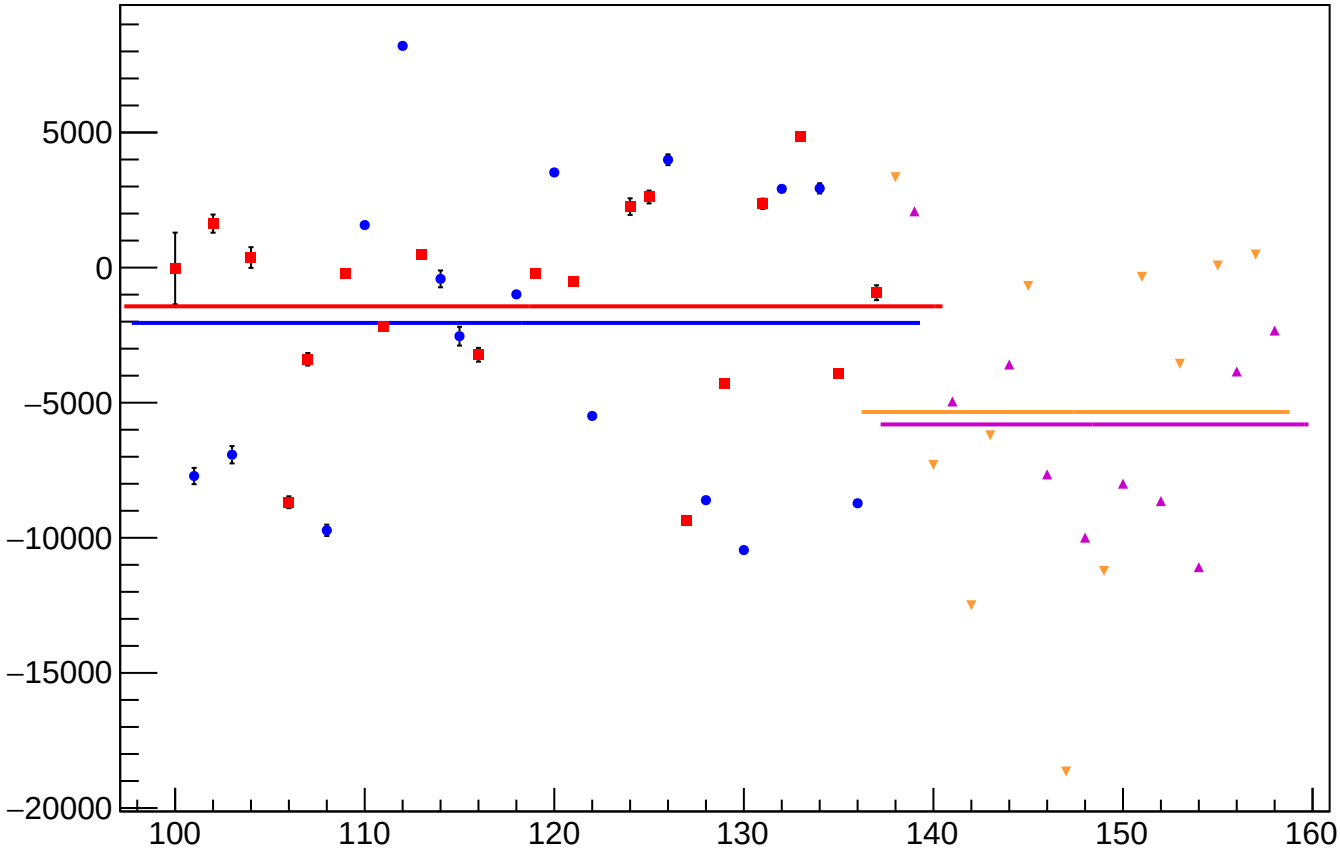
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 218.180+/-0.040 χ^2/NDF:971189.4/25

Out: 222.366+/-0.041 χ^2/NDF:1453646.1/29

All: 220.247+/-0.028 χ^2/NDF: 2430233.7/55

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5343.664+/-39.314 χ^2/NDF:27614.6/10

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5804.233+/-39.942 χ^2/NDF:9005.0/9

Left: -5570.301+/-28.019 χ^2/NDF: 36687.1/20

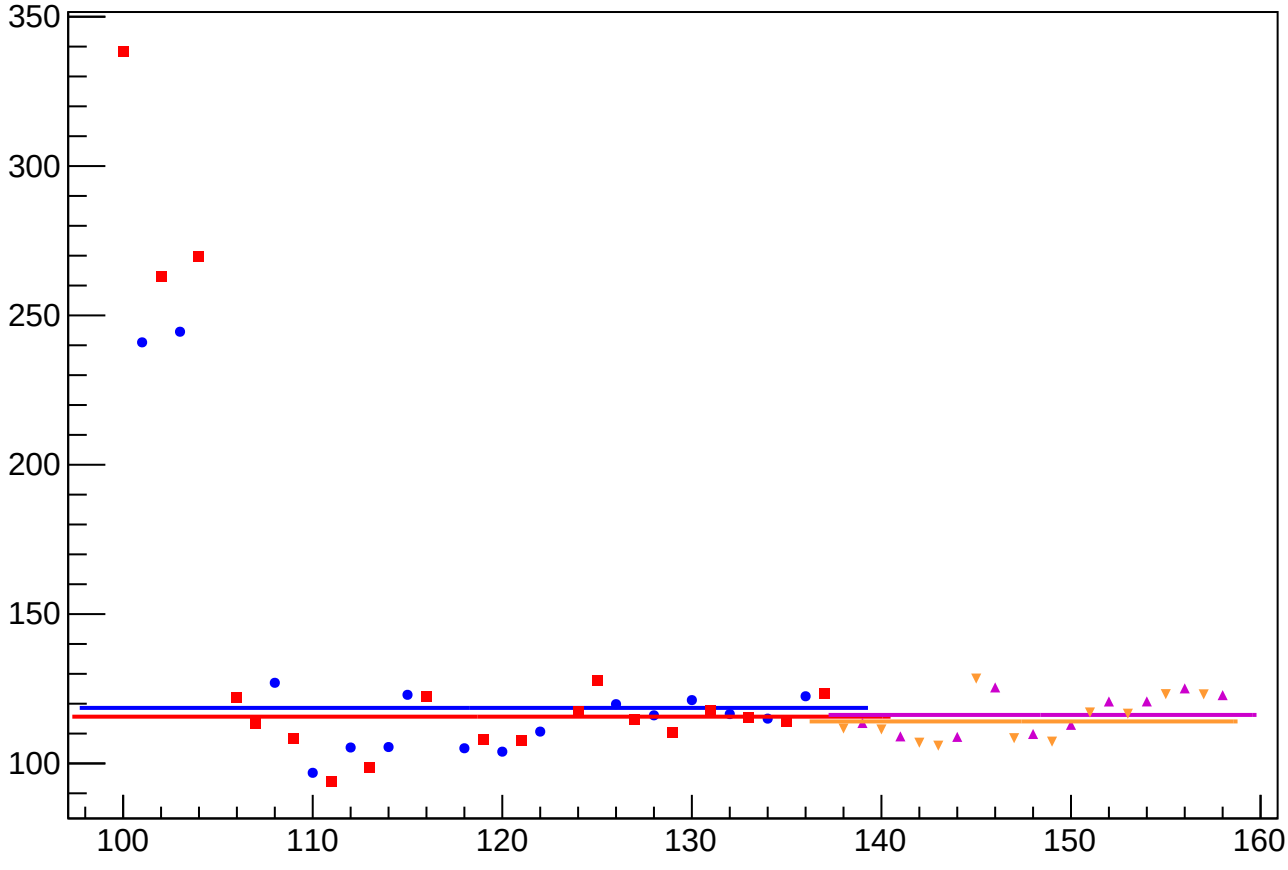
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4217.870+/-30.360 χ^2/NDF:29449.9/25

Out: -3639.201+/-29.529 χ^2/NDF:38315.0/29

All: -3920.510+/-21.168 χ^2/NDF: 67951.6/55

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 114.064+/-0.028 χ^2/NDF:64778.0/10

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 116.243+/-0.028 χ^2/NDF:50745.1/9

Left: 115.136+/-0.020 χ^2/NDF: 118547.7/20

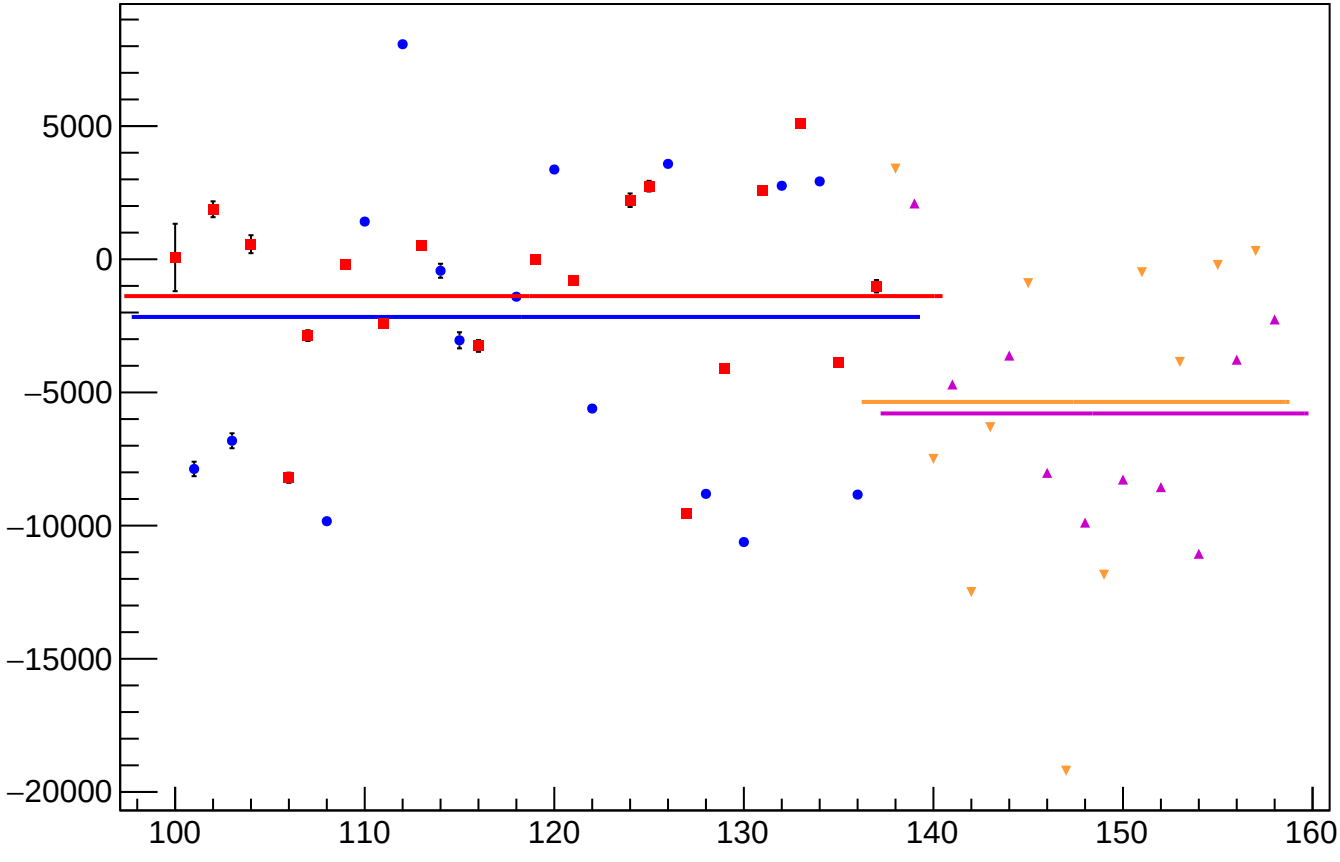
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.237+/-0.021 χ^2/NDF:787833.3/25

Out: 114.759+/-0.021 χ^2/NDF:930420.3/29

All: 115.964+/-0.015 χ^2/NDF: 1725096.5/55

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5355.876+/-35.526 χ^2/NDF:33535.8/10

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5788.860+/-36.495 χ^2/NDF:11063.5/9

Left: -5566.546+/-25.456 χ^2/NDF: 44671.6/20

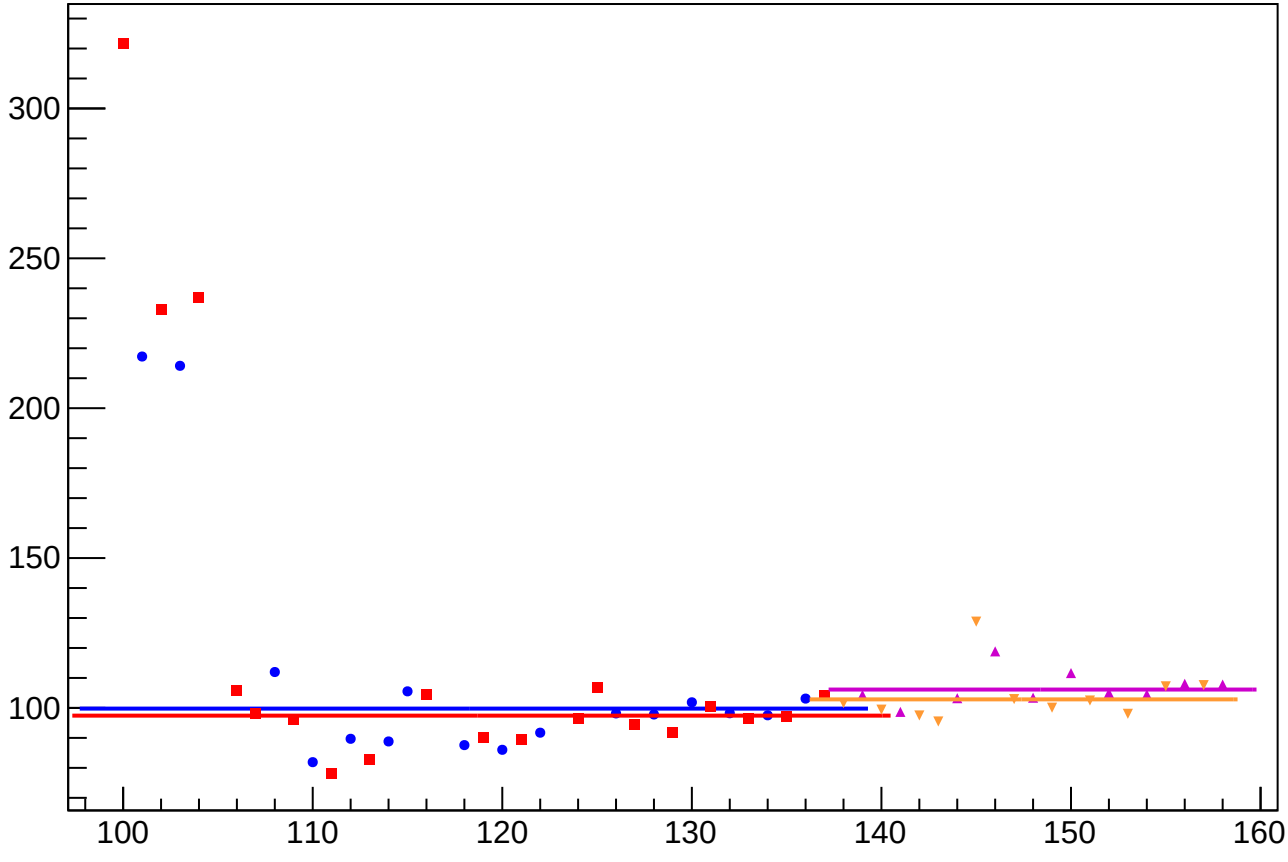
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4126.407+/-26.846 χ^2/NDF:38460.5/25

Out: -3501.727+/-25.944 χ^2/NDF:48520.6/29

All: -3803.388+/-18.656 χ^2/NDF: 87261.1/55

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.852+/-0.025 χ^2/NDF:88713.1/10

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 106.130+/-0.026 χ^2/NDF:38720.5/9

Left: 104.447+/-0.018 χ^2/NDF: 135716.7/20

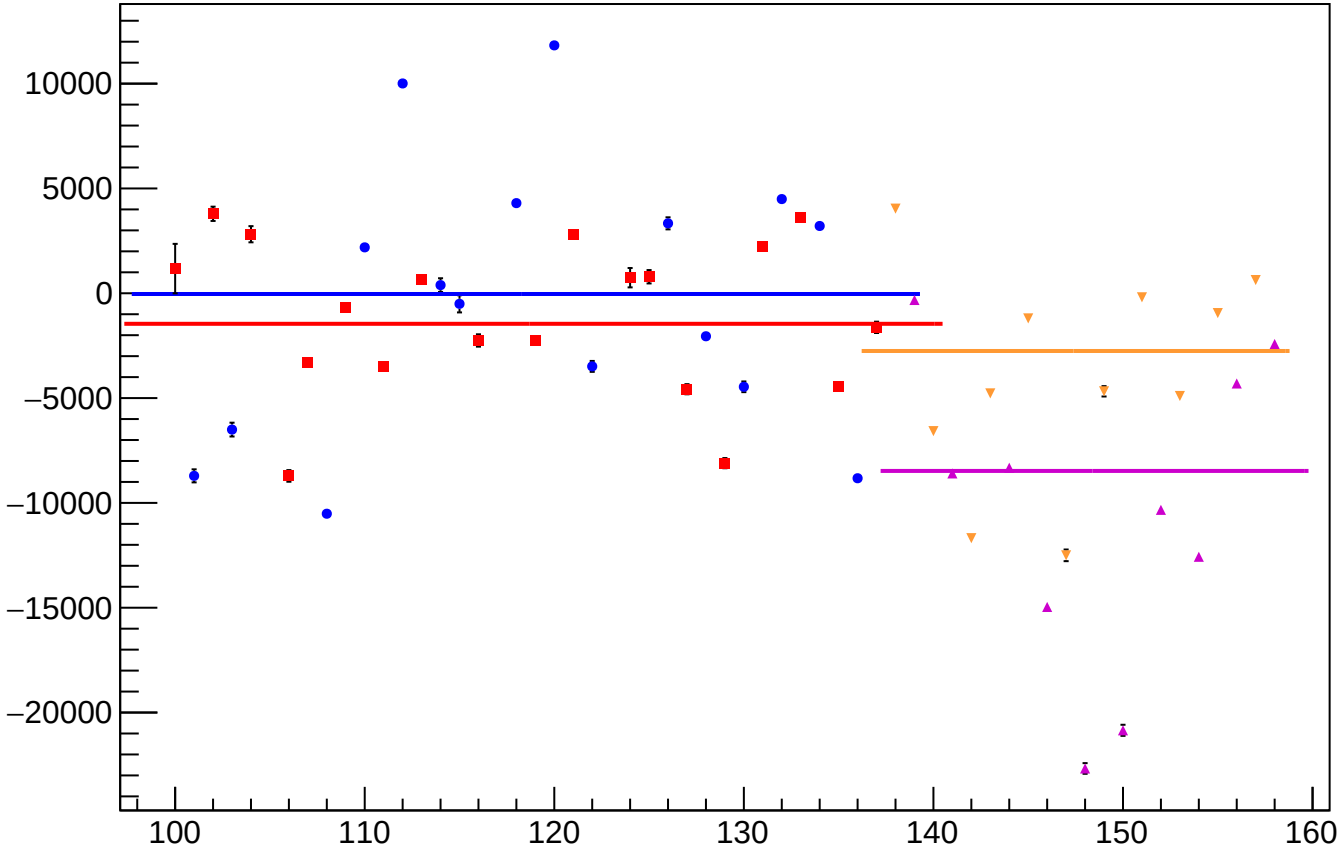
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 103.213+/-0.019 χ^2/NDF:875701.4/25

Out: 100.320+/-0.018 χ^2/NDF:1036521.8/29

All: 101.717+/-0.013 χ^2/NDF: 1924234.6/55

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2753.134+/-53.491 χ^2/NDF:6449.0/10

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -8475.051+/-55.138 χ^2/NDF:12077.6/9

Left: -5527.377+/-38.393 χ^2/NDF: 24074.5/20

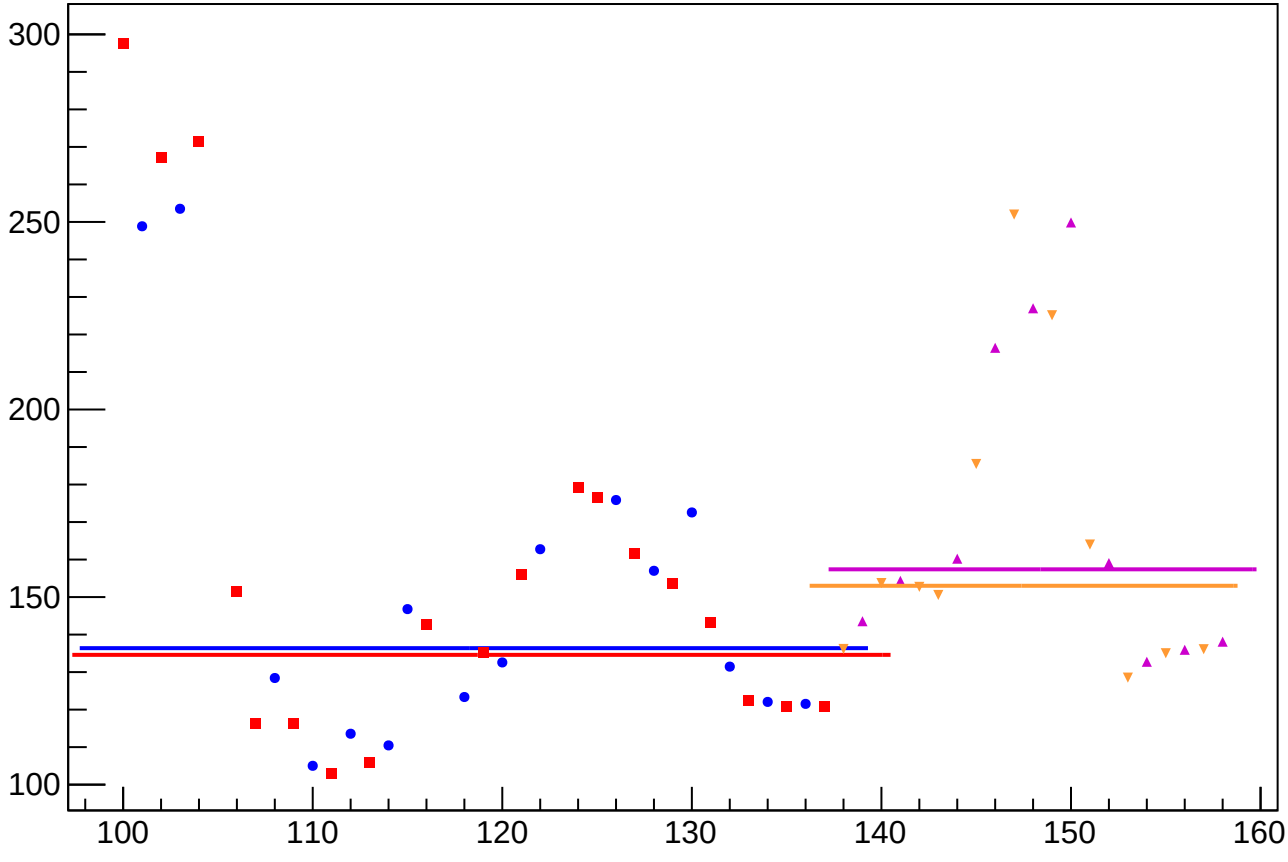
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4124.907+/-38.383 χ^2/NDF:40957.7/25

Out: -2085.902+/-37.266 χ^2/NDF:10868.3/29

All: -3075.283+/-26.737 χ^2/NDF: 53278.7/55

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 153.012+/-0.038 χ^2/NDF:617583.3/10

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 157.396+/-0.039 χ^2/NDF:677509.9/9

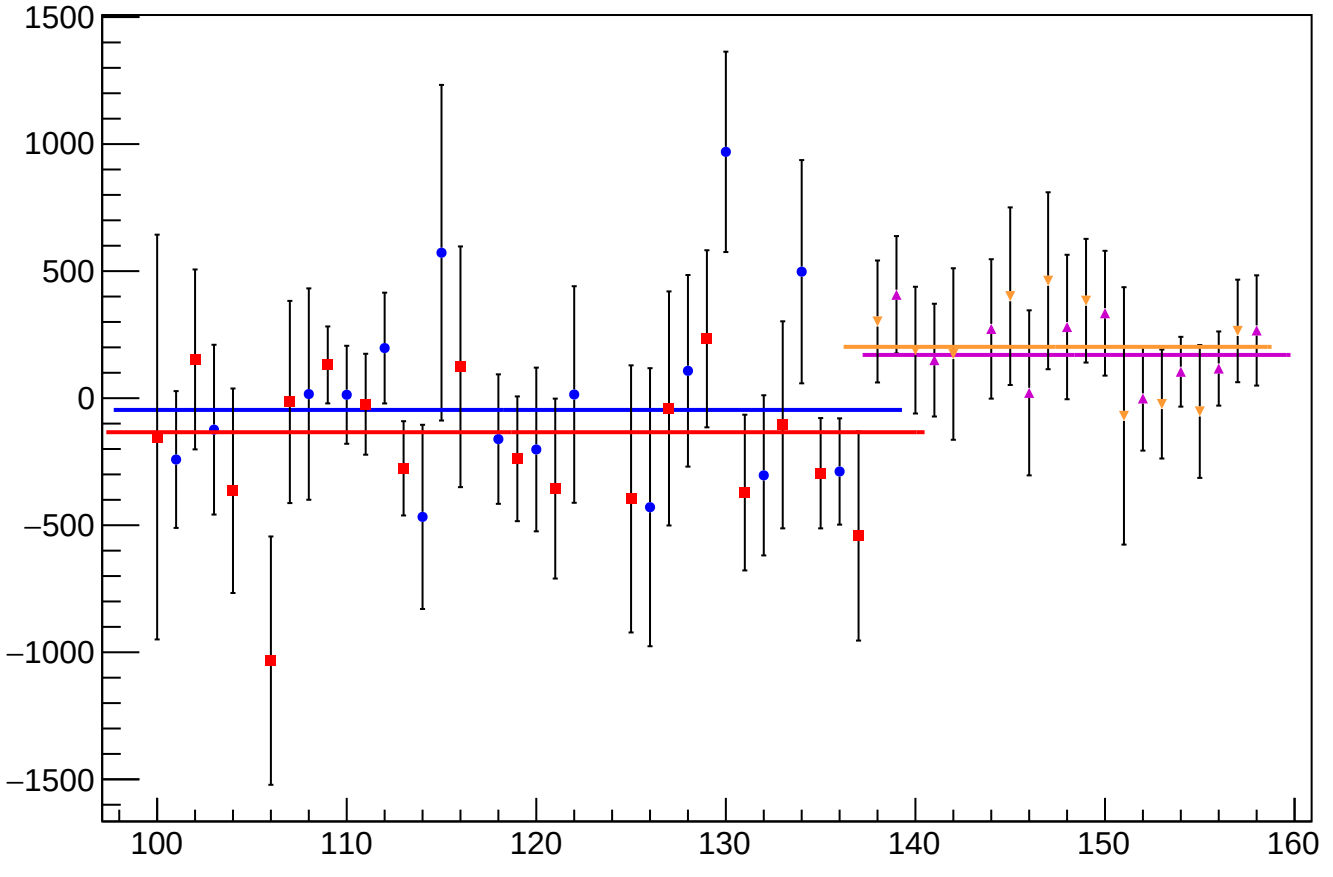
Left: 155.138+/-0.027 χ^2/NDF: 1301606.8/20

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 146.566+/-0.027 χ^2/NDF:1624075.8/25

Out: 143.536+/-0.026 χ^2/NDF:1659164.7/29

All: 145.006+/-0.019 χ^2/NDF: 3289659.6/55



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 201.983+/-84.413 χ^2/NDF:4.1/9

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 170.263+/-65.138 χ^2/NDF:3.3/9

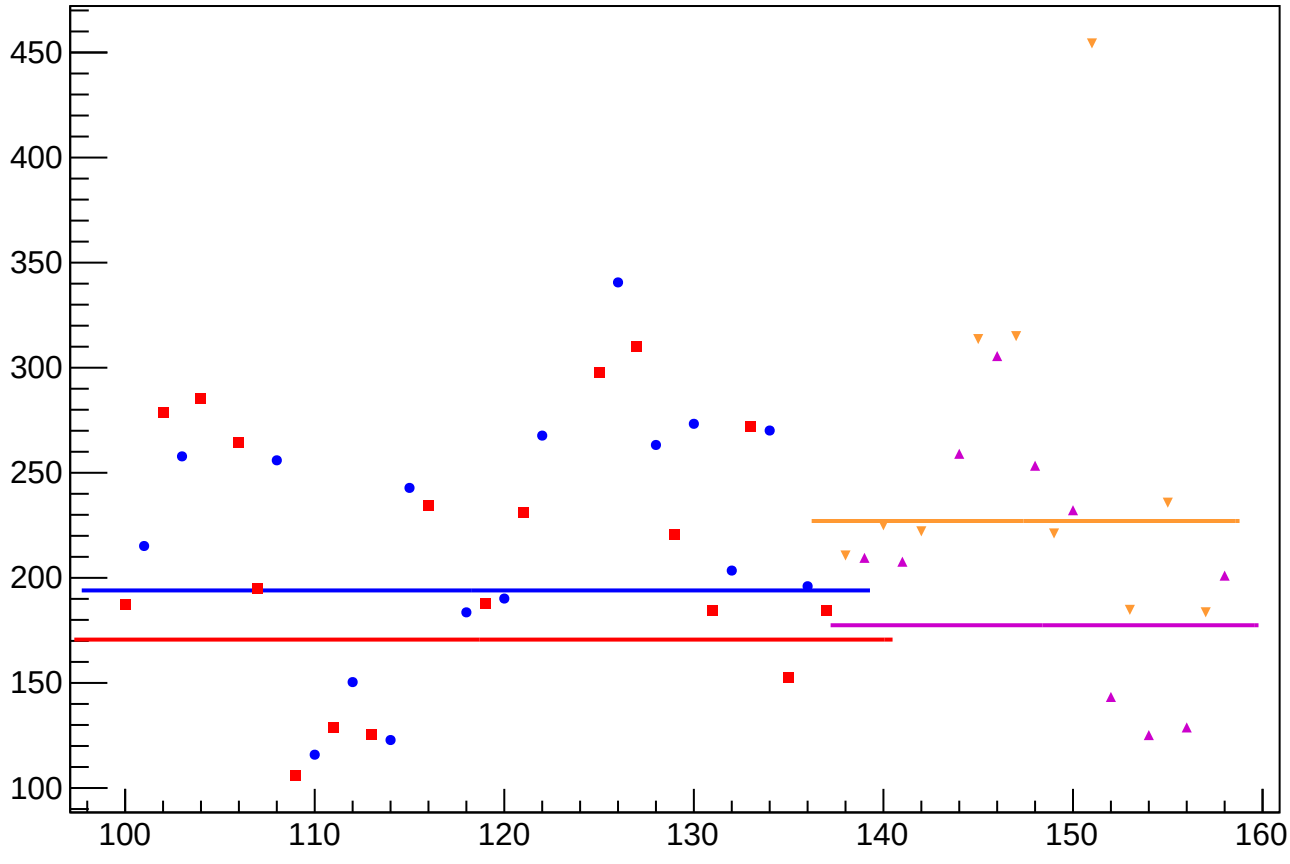
Left: 182.102+/-51.570 χ^2/NDF: 7.4/19

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 78.985+/-49.536 χ^2/NDF:23.4/25

Out: -0.749+/-53.150 χ^2/NDF:26.4/27

All: 41.921+/-36.237 χ^2/NDF: 51.0/53



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 227.058+/-0.060 χ^2/NDF:836697.6/9

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 177.452+/-0.046 χ^2/NDF:1396092.4/9

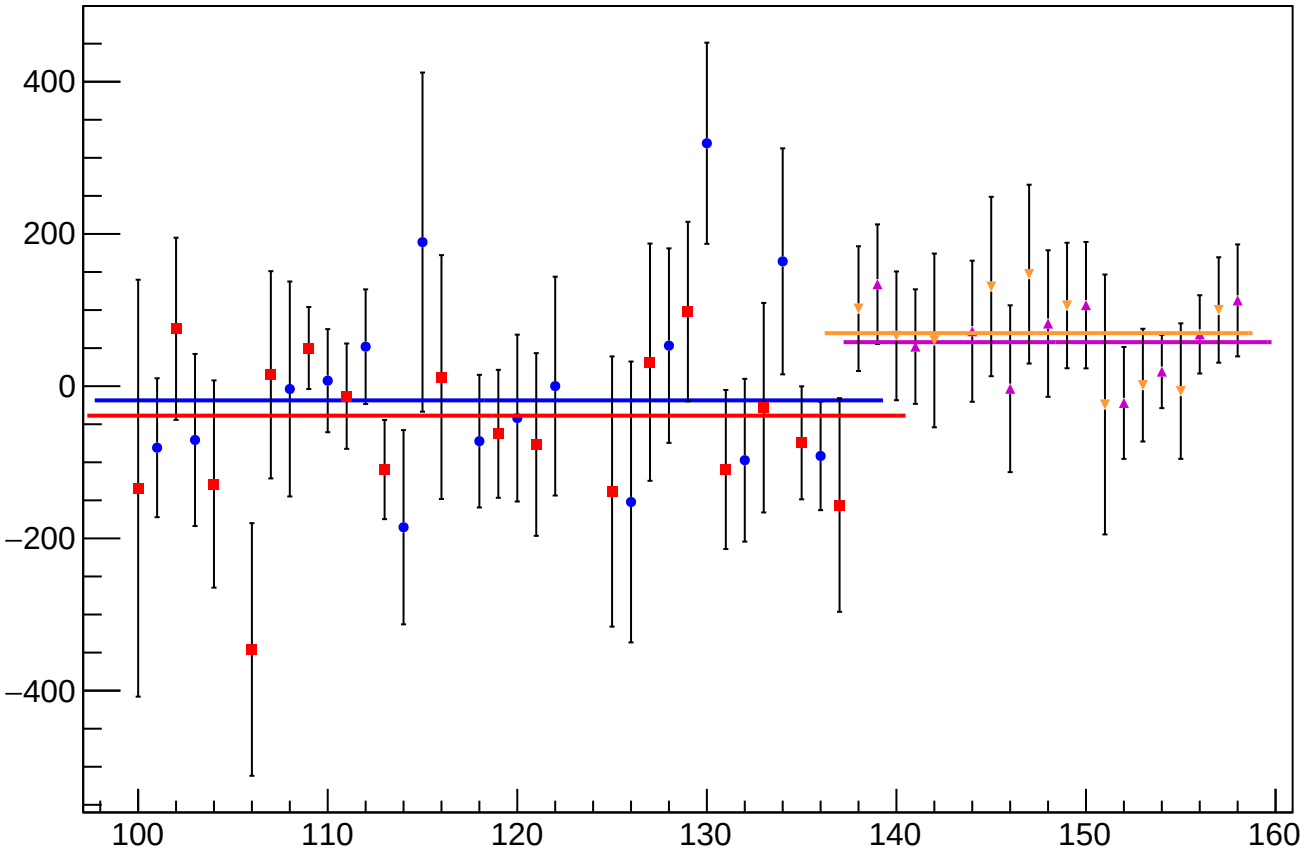
Left: 195.966+/-0.036 χ^2/NDF: 2665695.7/19

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 184.437+/-0.035 χ^2/NDF:2494219.5/25

Out: 192.997+/-0.038 χ^2/NDF:2969970.1/27

All: 188.416+/-0.026 χ^2/NDF: 5491948.5/53



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 69.686+/-28.767 χ^2/NDF:3.1/9

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 57.850+/-22.513 χ^2/NDF:4.1/9

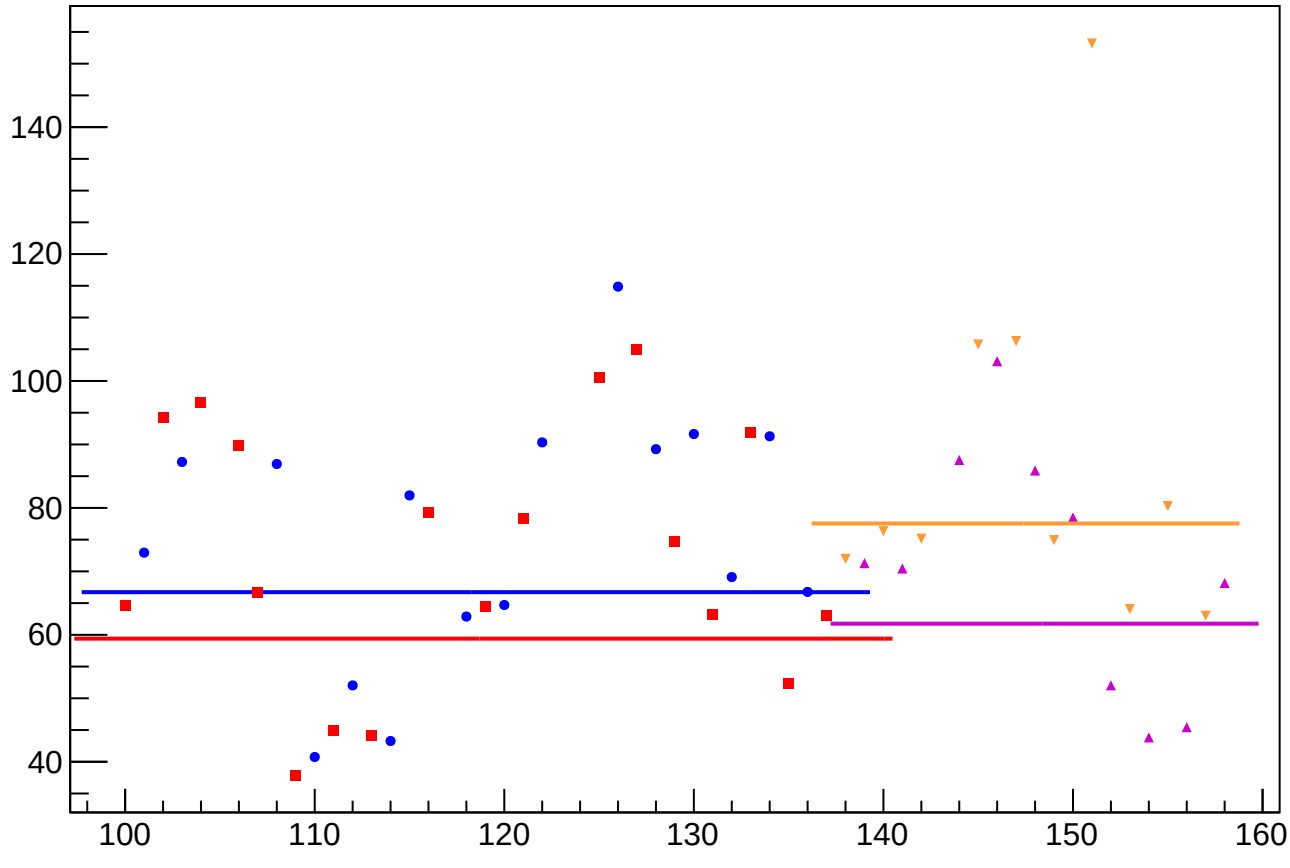
Left: 62.346+/-17.729 χ^2/NDF: 7.4/19

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 25.249+/-17.053 χ^2/NDF:24.2/25

Out: 5.007+/-18.270 χ^2/NDF:24.2/27

All: 15.824+/-12.466 χ^2/NDF: 49.1/53



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 77.547+/-0.020 χ^2/NDF:795694.1/9

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 61.760+/-0.016 χ^2/NDF:1232513.7/9

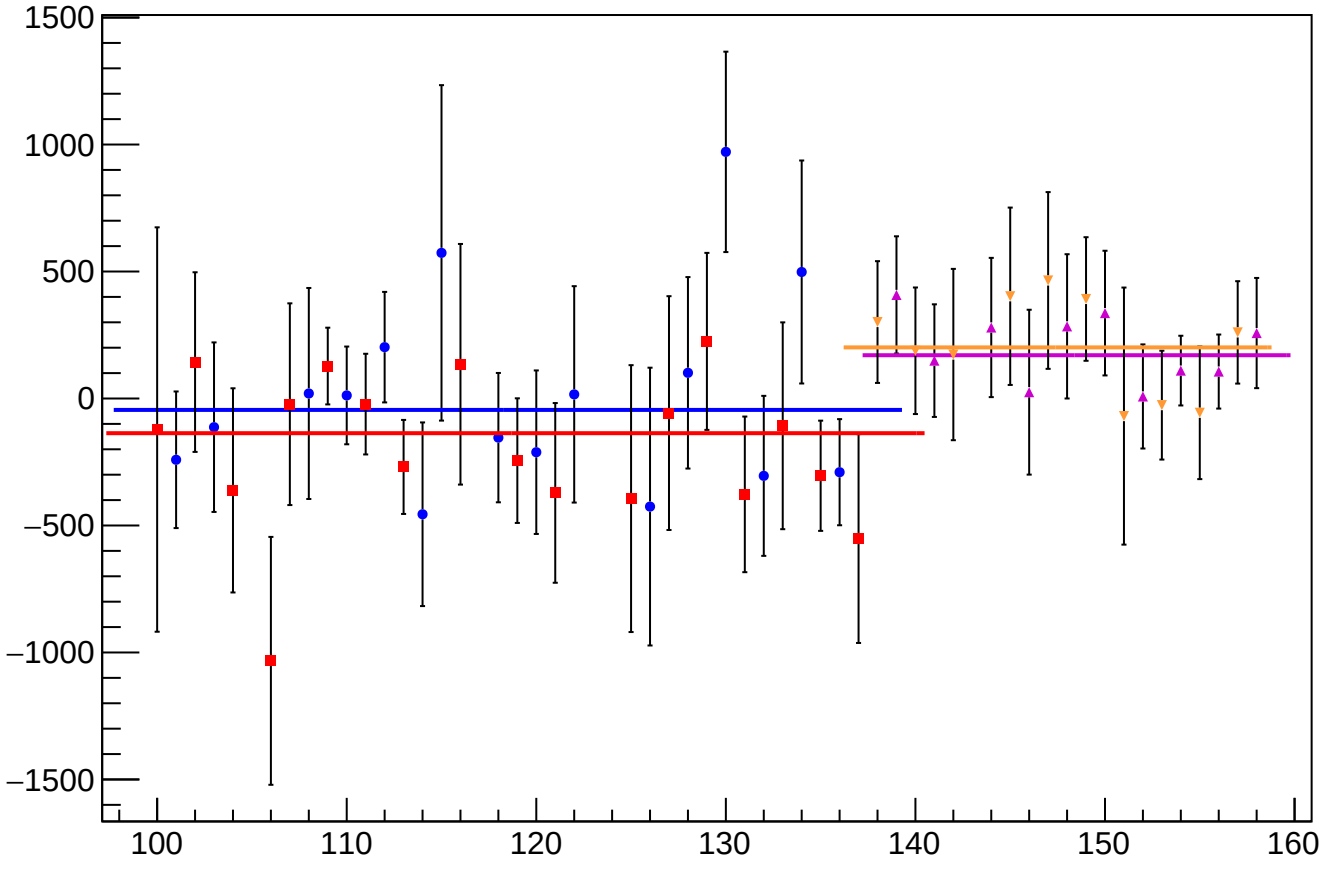
Left: 67.756+/-0.013 χ^2/NDF: 2401733.7/19

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.876+/-0.012 χ^2/NDF:2220992.7/25

Out: 66.720+/-0.013 χ^2/NDF:2715904.1/27

All: 65.200+/-0.009 χ^2/NDF: 4962789.1/53



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 201.229+/-84.341 χ^2/NDF:4.2/9

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 170.425+/-65.080 χ^2/NDF:3.2/9

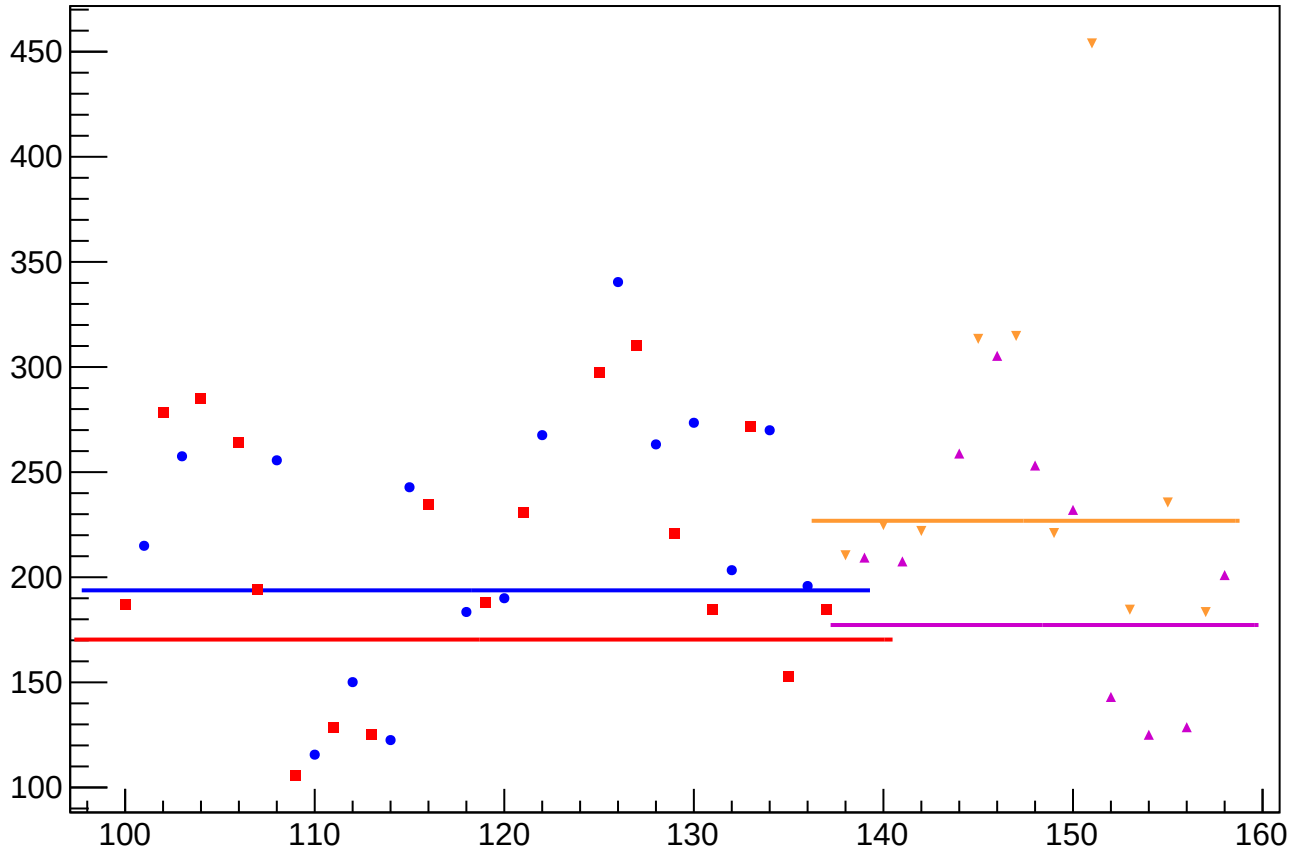
Left: 181.921+/-51.524 χ^2/NDF: 7.5/19

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 79.596+/-49.487 χ^2/NDF:23.3/25

Out: -2.733+/-53.089 χ^2/NDF:26.7/27

All: 41.319+/-36.199 χ^2/NDF: 51.3/53



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 226.857+/-0.060 χ^2/NDF:837178.8/9

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 177.281+/-0.046 χ^2/NDF:1397891.8/9

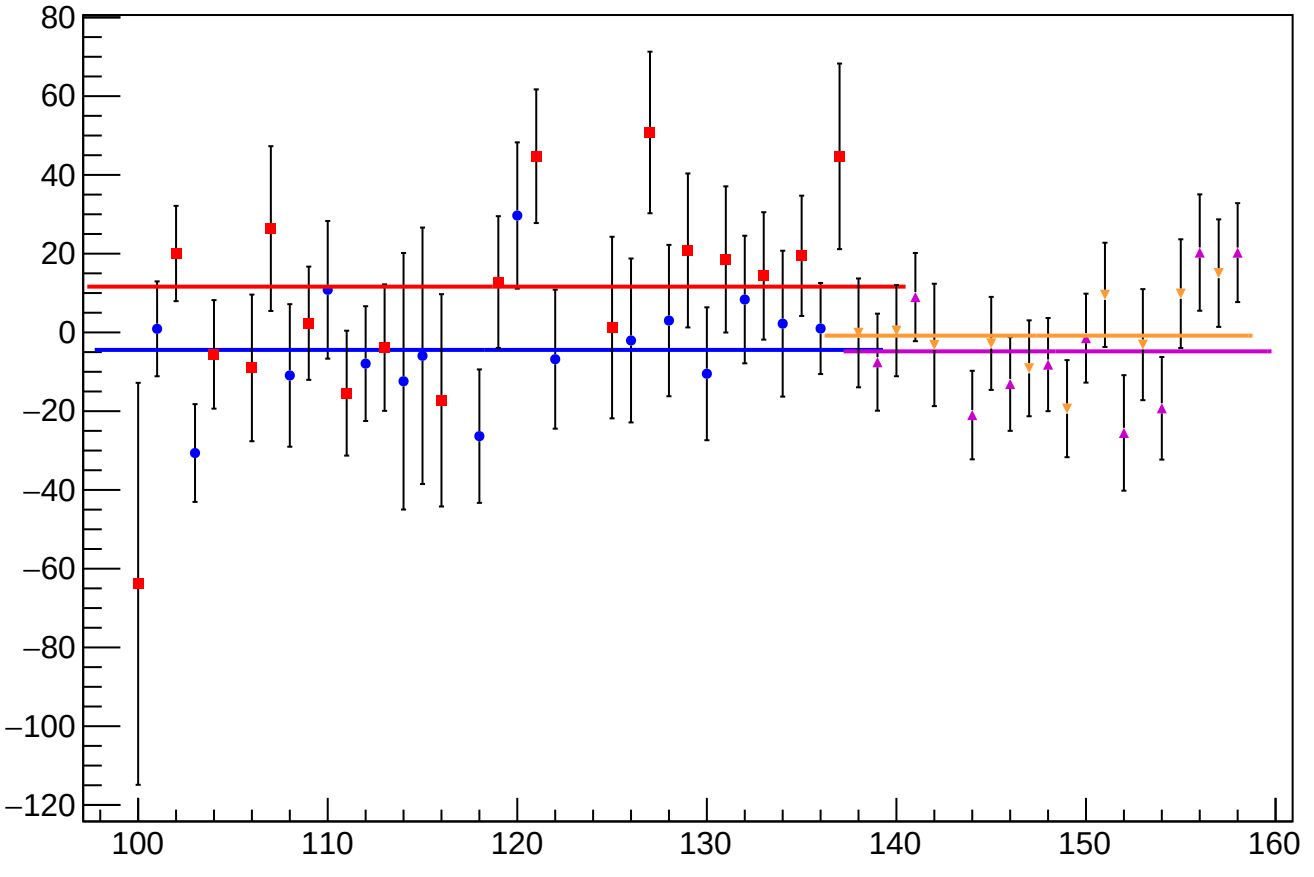
Left: 195.783+/-0.036 χ^2/NDF: 2668212.0/19

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 184.235+/-0.035 χ^2/NDF:2500125.5/25

Out: 192.744+/-0.038 χ^2/NDF:2978113.3/27

All: 188.191+/-0.026 χ^2/NDF: 5505729.1/53



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -0.819+/-4.128 χ^2/NDF:5.4/9

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -4.811+/-3.893 χ^2/NDF:14.4/9

Left: -2.932+/-2.832 χ^2/NDF: 20.3/19

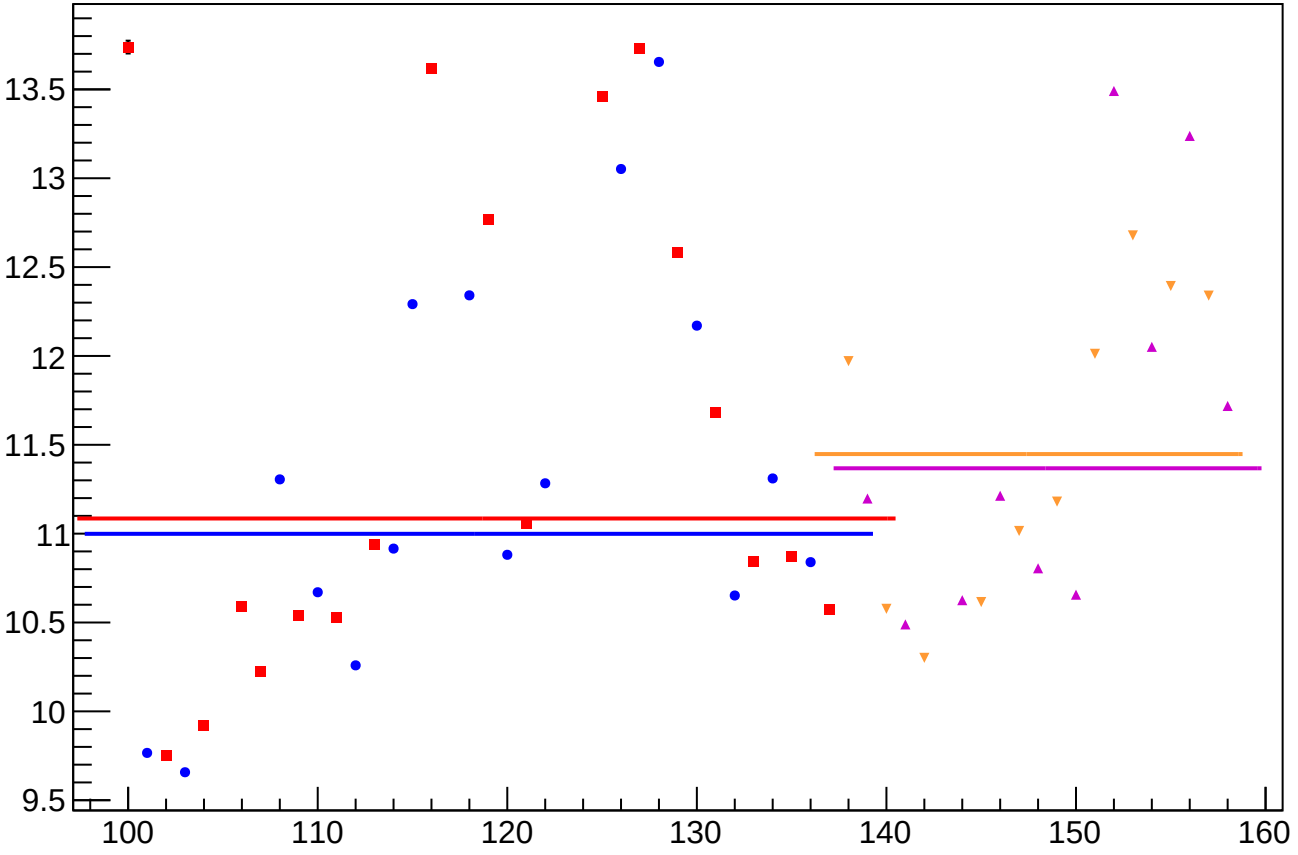
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -4.636+/-2.833 χ^2/NDF:26.4/25

Out: 5.392+/-2.922 χ^2/NDF:31.5/27

All: 0.223+/-2.034 χ^2/NDF: 64.0/53

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: 11.448+/-0.003 χ^2/NDF:75257.1/9

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.368+/-0.003 χ^2/NDF:115225.7/9

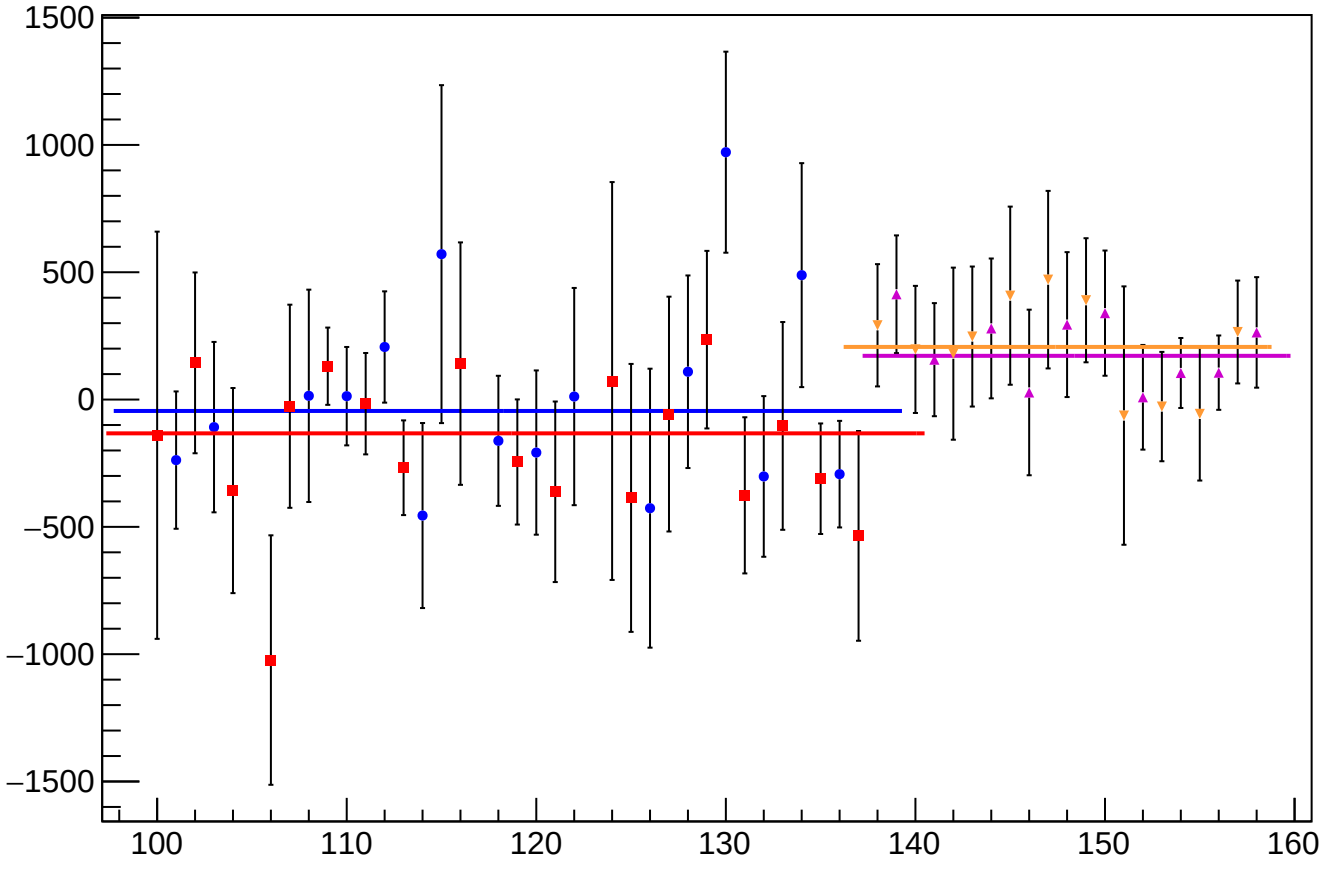
Left: 11.405+/-0.002 χ^2/NDF: 190880.6/19

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.194+/-0.002 χ^2/NDF:259827.6/25

Out: 11.267+/-0.002 χ^2/NDF:245158.2/27

All: 11.230+/-0.001 χ^2/NDF: 505621.7/53



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 206.699+/-80.767 χ^2/NDF:4.2/10

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 171.733+/-65.183 χ^2/NDF:3.4/9

Left: 185.524+/-50.725 χ^2/NDF: 7.7/20

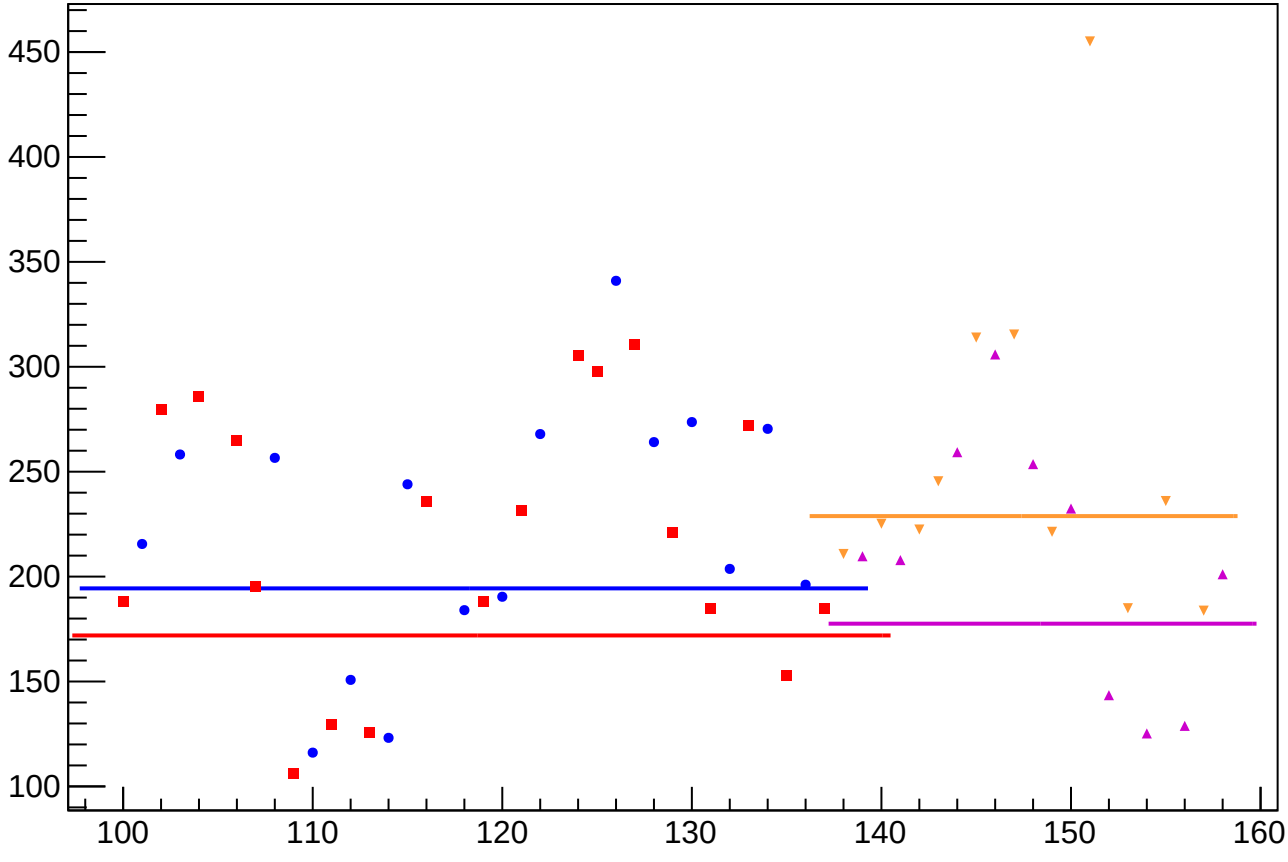
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 80.547+/-49.594 χ^2/NDF:23.4/25

Out: 8.720+/-52.139 χ^2/NDF:27.3/29

All: 46.429+/-35.934 χ^2/NDF: 51.8/55

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 228.835+/-0.057 χ^2/NDF:845553.4/10

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.560+/-0.046 χ^2/NDF:1397875.2/9

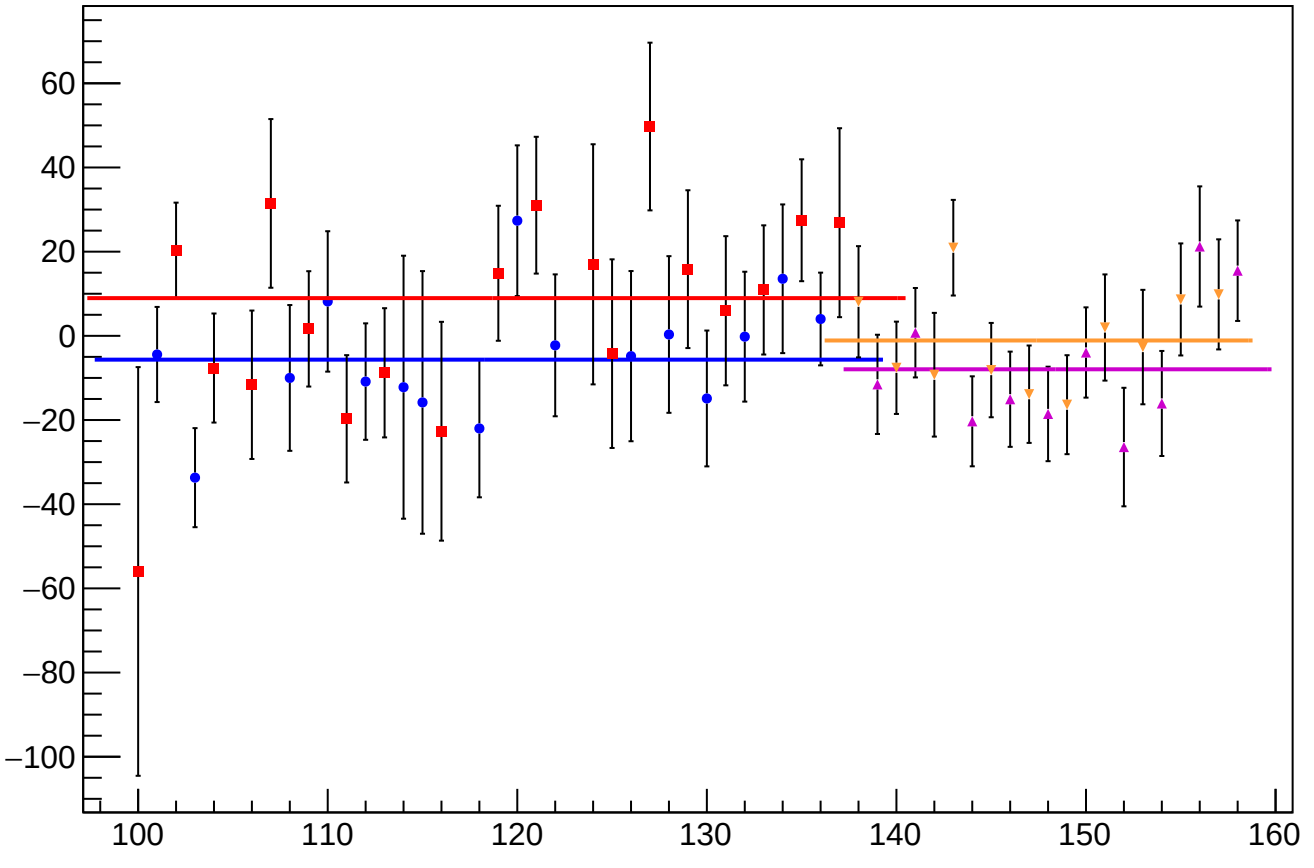
Left: 197.784+/-0.036 χ^2/NDF: 2731561.5/20

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.645+/-0.035 χ^2/NDF:2496016.1/25

Out: 195.655+/-0.037 χ^2/NDF:3075580.5/29

All: 189.875+/-0.025 χ^2/NDF: 5618414.5/55



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.103+/-3.720 χ^2/NDF:9.5/10

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -7.948+/-3.711 χ^2/NDF:13.7/9

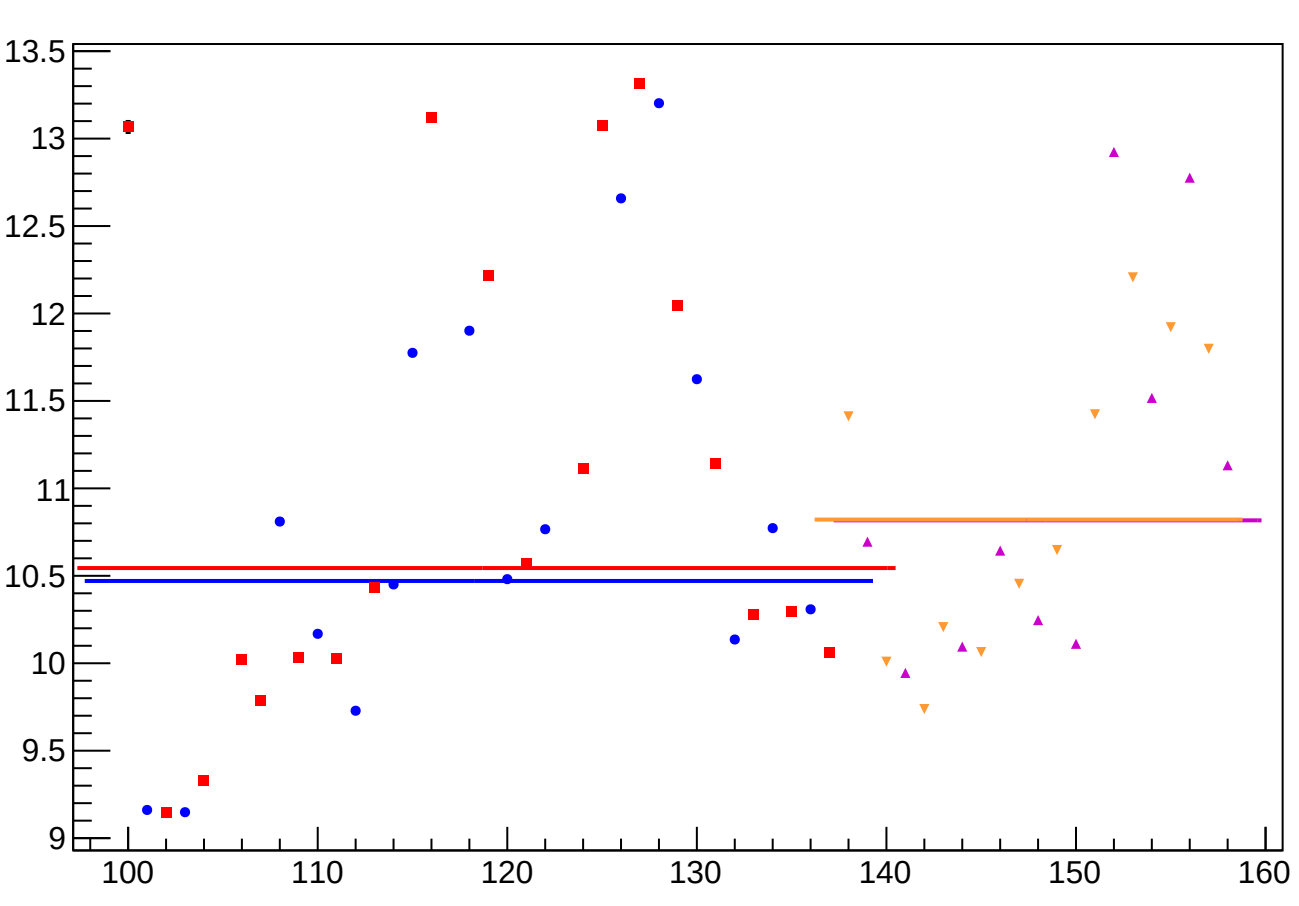
Left: -4.534+/-2.627 χ^2/NDF: 24.9/20

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -6.871+/-2.701 χ^2/NDF:27.5/25

Out: 3.690+/-2.692 χ^2/NDF:35.8/29

All: -1.573+/-1.907 χ^2/NDF: 71.0/55



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.822+/-0.003 χ^2/NDF:93418.8/10

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.817+/-0.003 χ^2/NDF:127208.4/9

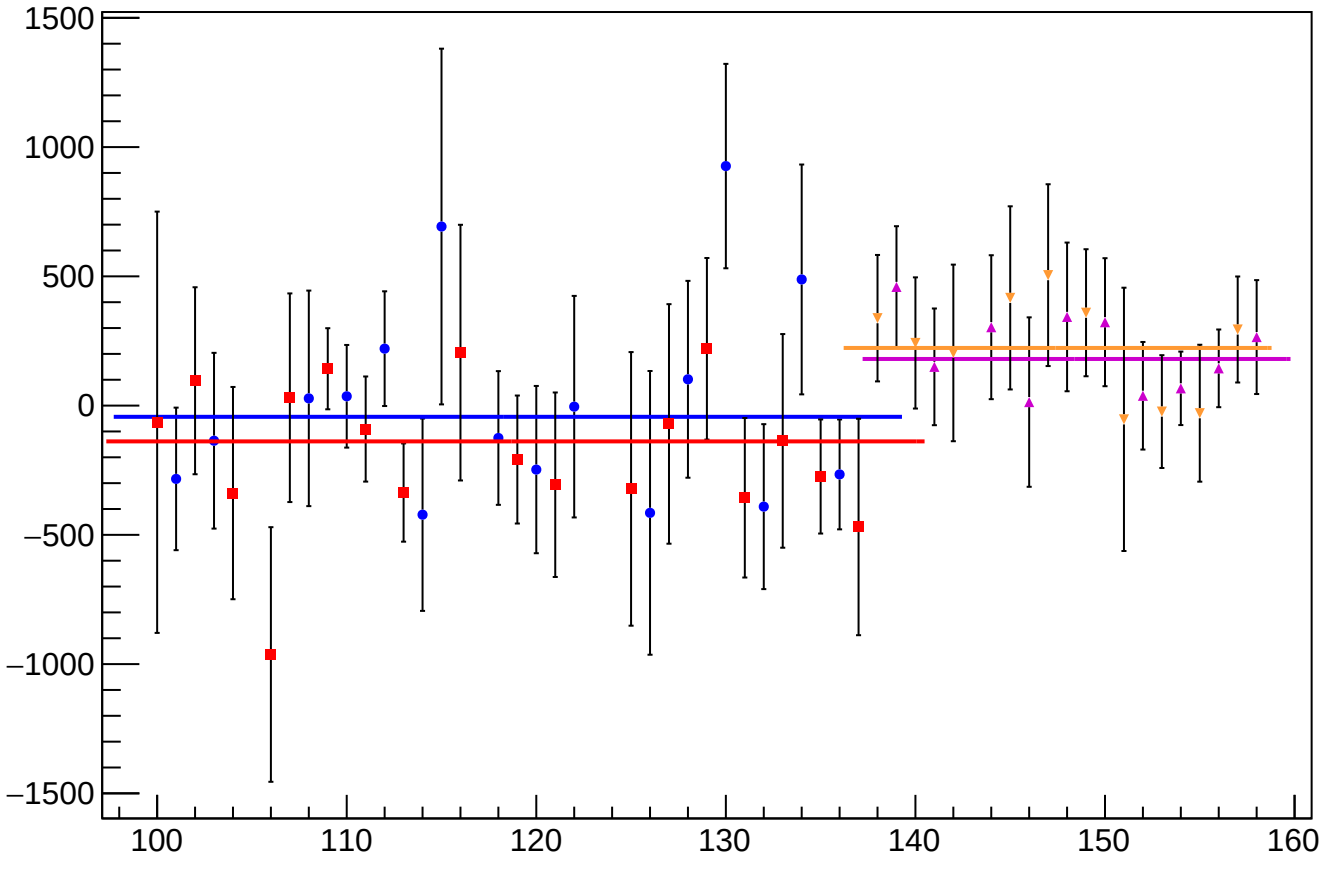
Left: 10.819+/-0.002 χ^2/NDF: 220628.6/20

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.654+/-0.002 χ^2/NDF:292776.6/25

Out: 10.690+/-0.002 χ^2/NDF:285486.9/29

All: 10.672+/-0.001 χ^2/NDF: 578434.7/55



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 223.016+/-85.641 χ^2/NDF:4.1/9

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 180.387+/-66.540 χ^2/NDF:3.8/9

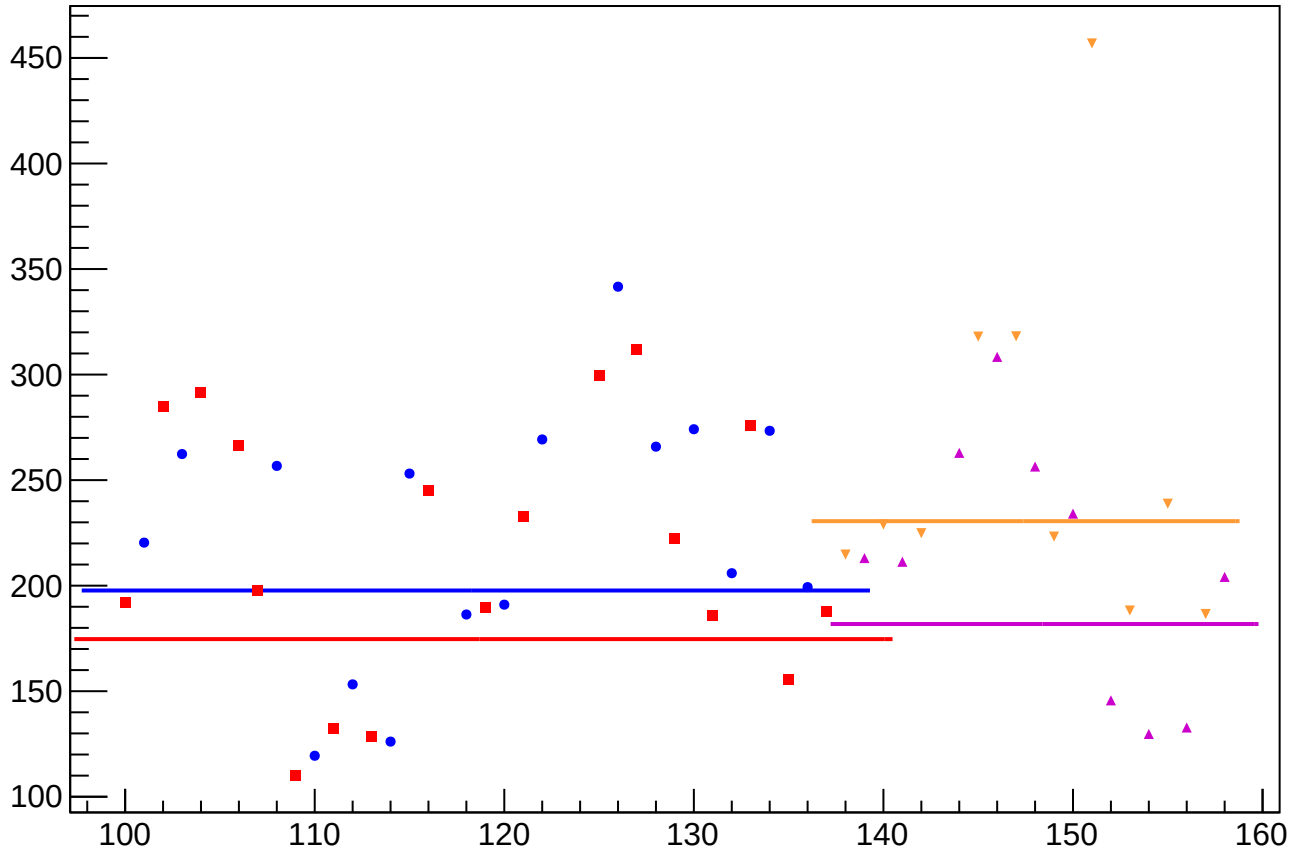
Left: 196.434+/-52.544 χ^2/NDF: 8.1/19

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 85.549+/-50.508 χ^2/NDF:24.1/25

Out: 5.904+/-54.121 χ^2/NDF:26.2/27

All: 48.473+/-36.926 χ^2/NDF: 51.5/53



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 230.559+/-0.061 χ^2/NDF:820910.5/9

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 181.829+/-0.047 χ^2/NDF:1323666.0/9

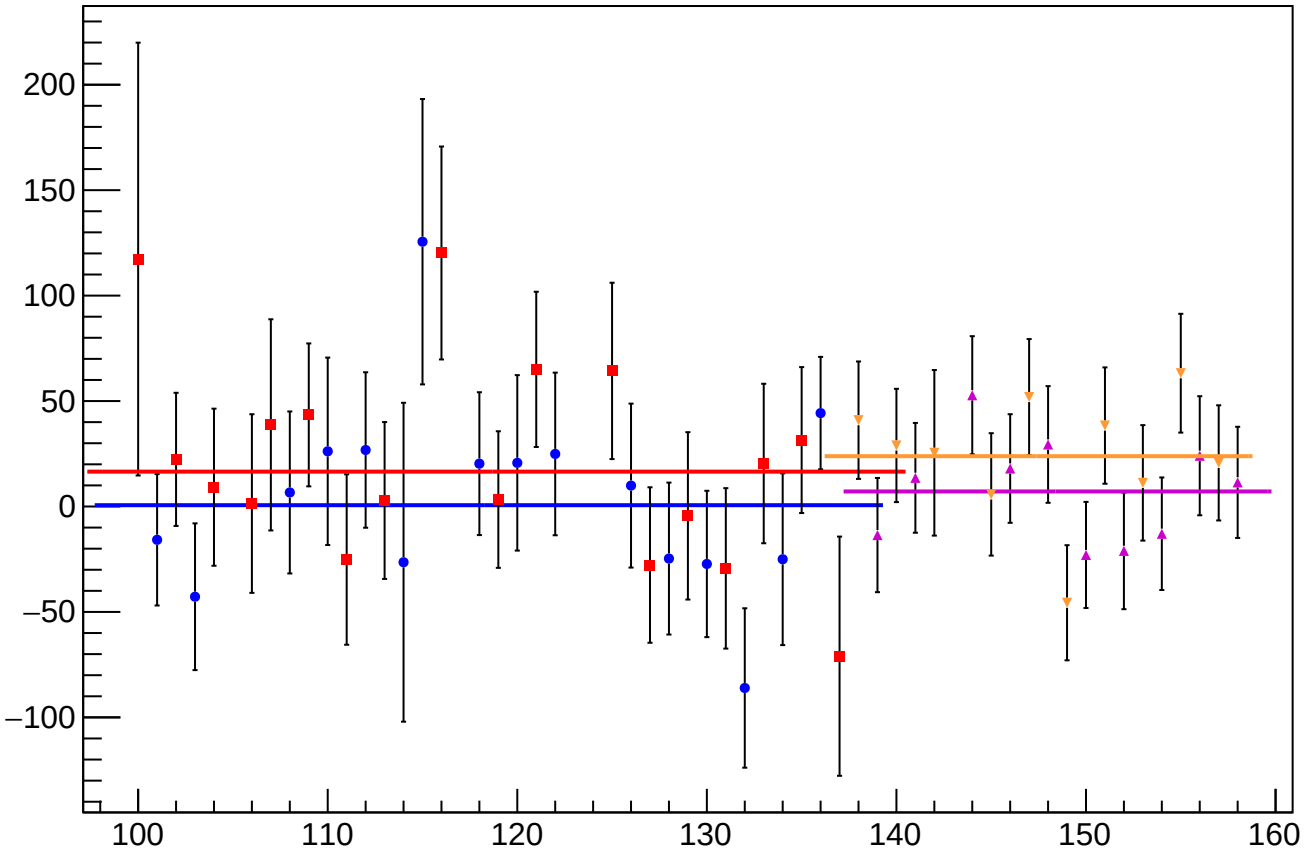
Left: 200.173+/-0.037 χ^2/NDF: 2548349.1/19

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 188.559+/-0.036 χ^2/NDF:2372256.0/25

Out: 196.995+/-0.038 χ^2/NDF:2867095.8/27

All: 192.486+/-0.026 χ^2/NDF: 5265328.3/53



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 23.856+/-8.970 χ^2/NDF:10.8/9

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 7.128+/-8.478 χ^2/NDF:7.5/9

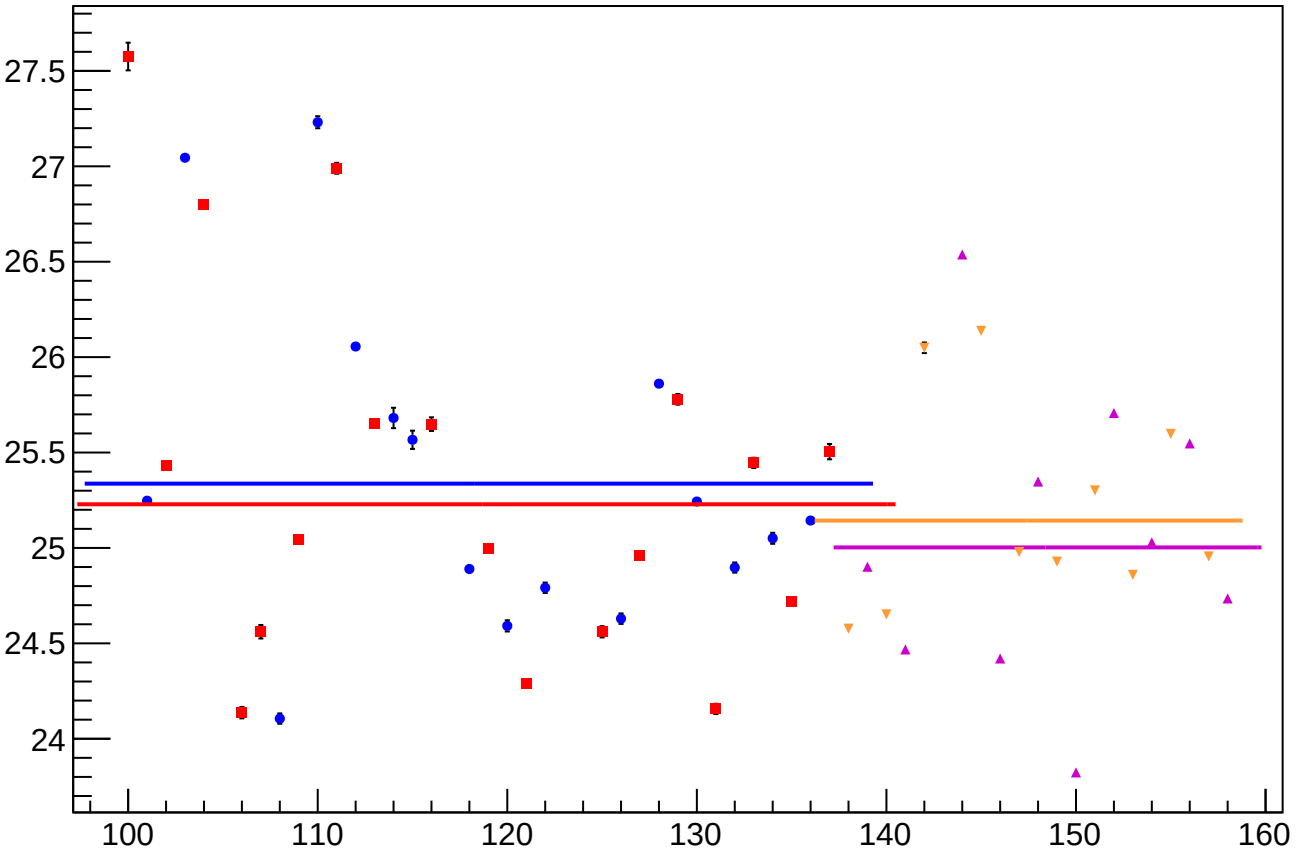
Left: 15.021+/-6.162 χ^2/NDF: 20.2/19

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 4.216+/-6.302 χ^2/NDF:24.5/25

Out: 20.330+/-6.459 χ^2/NDF:27.5/27

All: 12.075+/-4.511 χ^2/NDF: 55.2/53



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.143+/-0.006 χ^2/NDF:6001.6/9

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.003+/-0.006 χ^2/NDF:14855.9/9

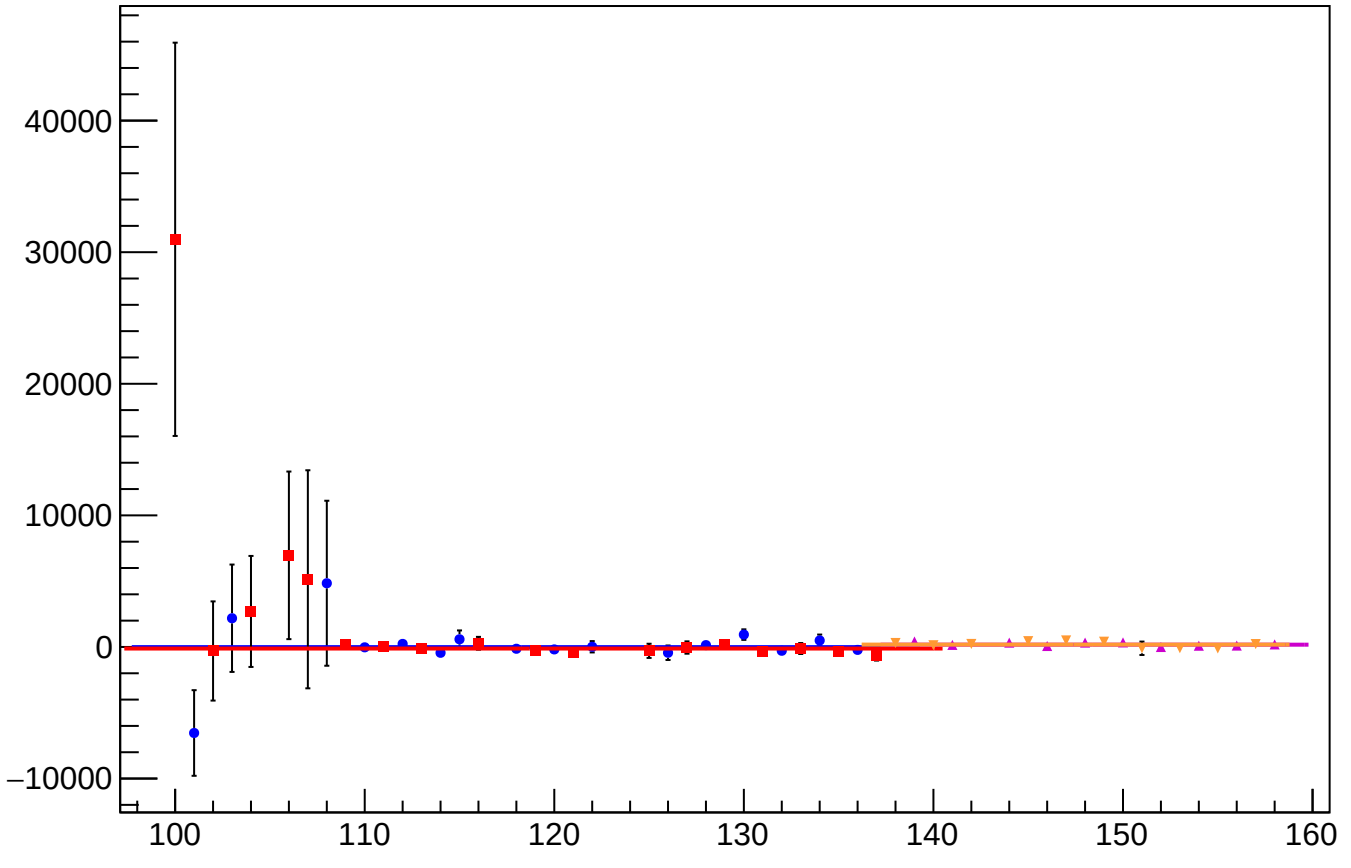
Left: 25.069+/-0.004 χ^2/NDF: 21117.3/19

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.152+/-0.004 χ^2/NDF:30562.3/25

Out: 25.185+/-0.005 χ^2/NDF:21265.0/27

All: 25.168+/-0.003 χ^2/NDF: 51852.9/53



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 179.480+/-87.191 χ^2/NDF:5.3/9

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 172.840+/-67.835 χ^2/NDF:3.4/9

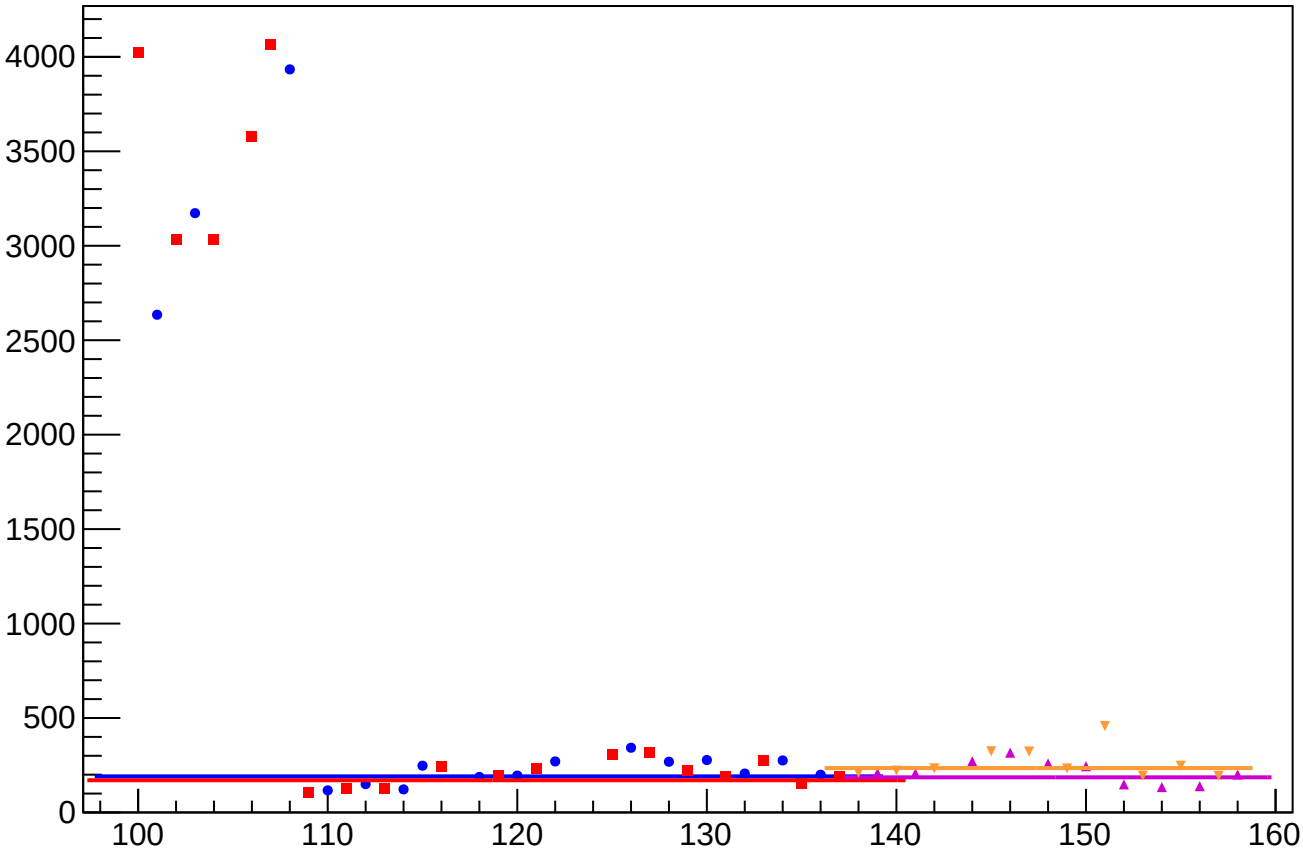
Left: 175.344+/-53.540 χ^2/NDF: 8.7/19

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 99.899+/-52.887 χ^2/NDF:24.7/25

Out: 13.605+/-58.235 χ^2/NDF:26.2/27

All: 60.896+/-39.151 χ^2/NDF: 52.1/53



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 235.024+/-0.062 χ^2/NDF:795100.2/9

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 185.958+/-0.048 χ^2/NDF:1240257.4/9

Left: 204.459+/-0.038 χ^2/NDF: 2429896.0/19

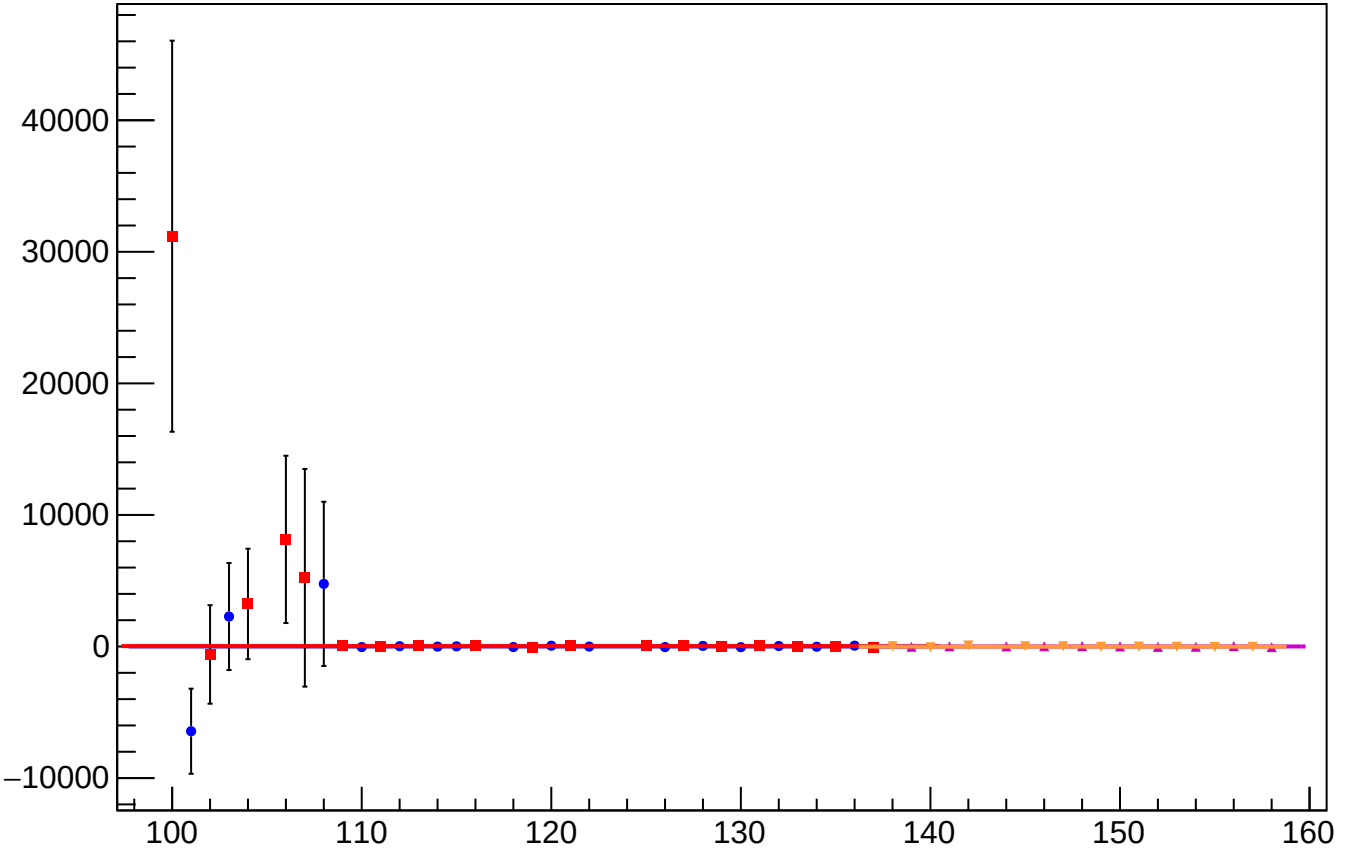
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 187.963+/-0.037 χ^2/NDF:5078663.6/25

Out: 199.280+/-0.041 χ^2/NDF:5656719.4/27

All: 193.078+/-0.028 χ^2/NDF: 10776778.9/53

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.579+/-10.618 χ^2/NDF:9.7/9

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 3.734+/-10.054 χ^2/NDF:7.1/9

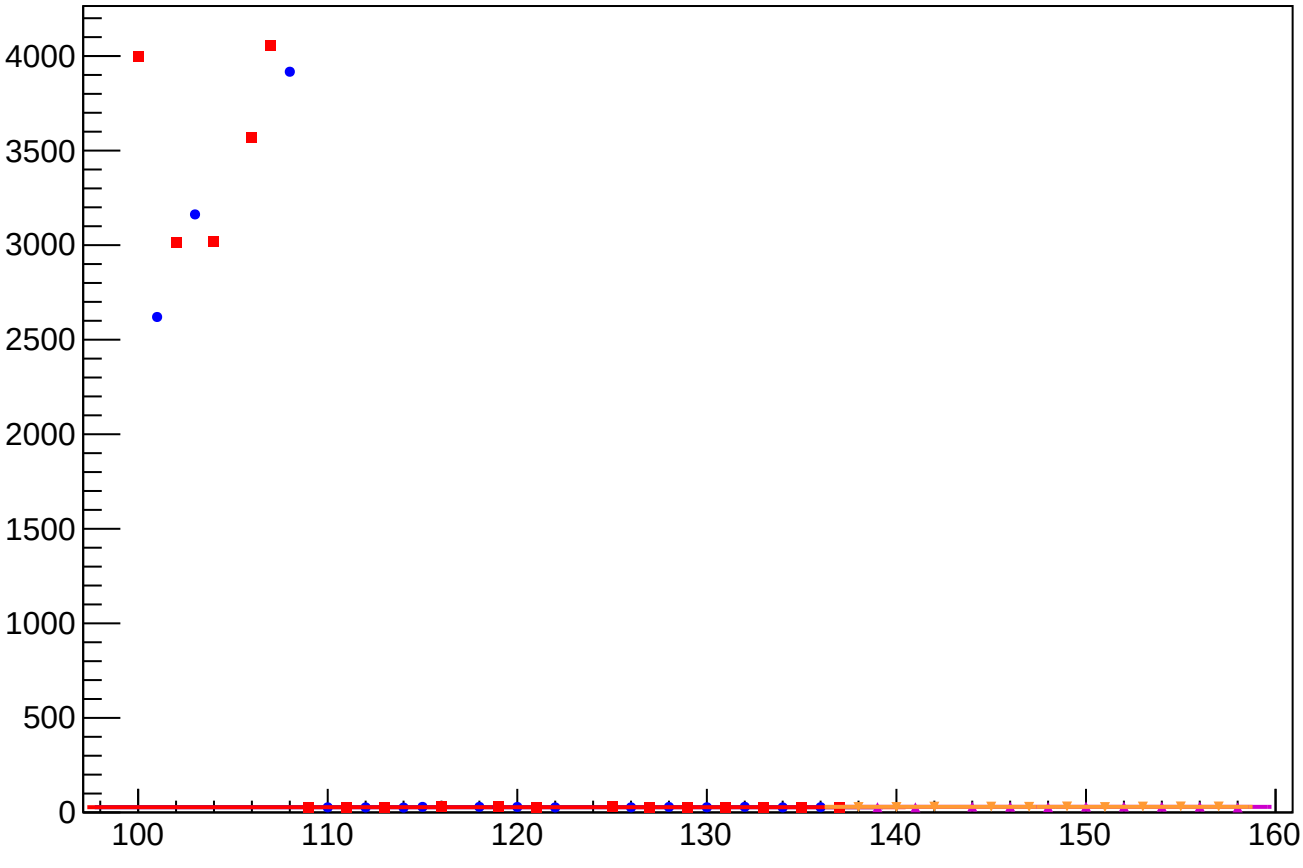
Left: -1.614+/-7.301 χ^2/NDF: 17.5/19

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 4.897+/-7.643 χ^2/NDF:25.5/25

Out: 9.117+/-7.976 χ^2/NDF:35.3/27

All: 6.917+/-5.519 χ^2/NDF: 60.9/53



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.711+/-0.008 χ^2/NDF:28118.8/9

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.565+/-0.007 χ^2/NDF:67463.7/9

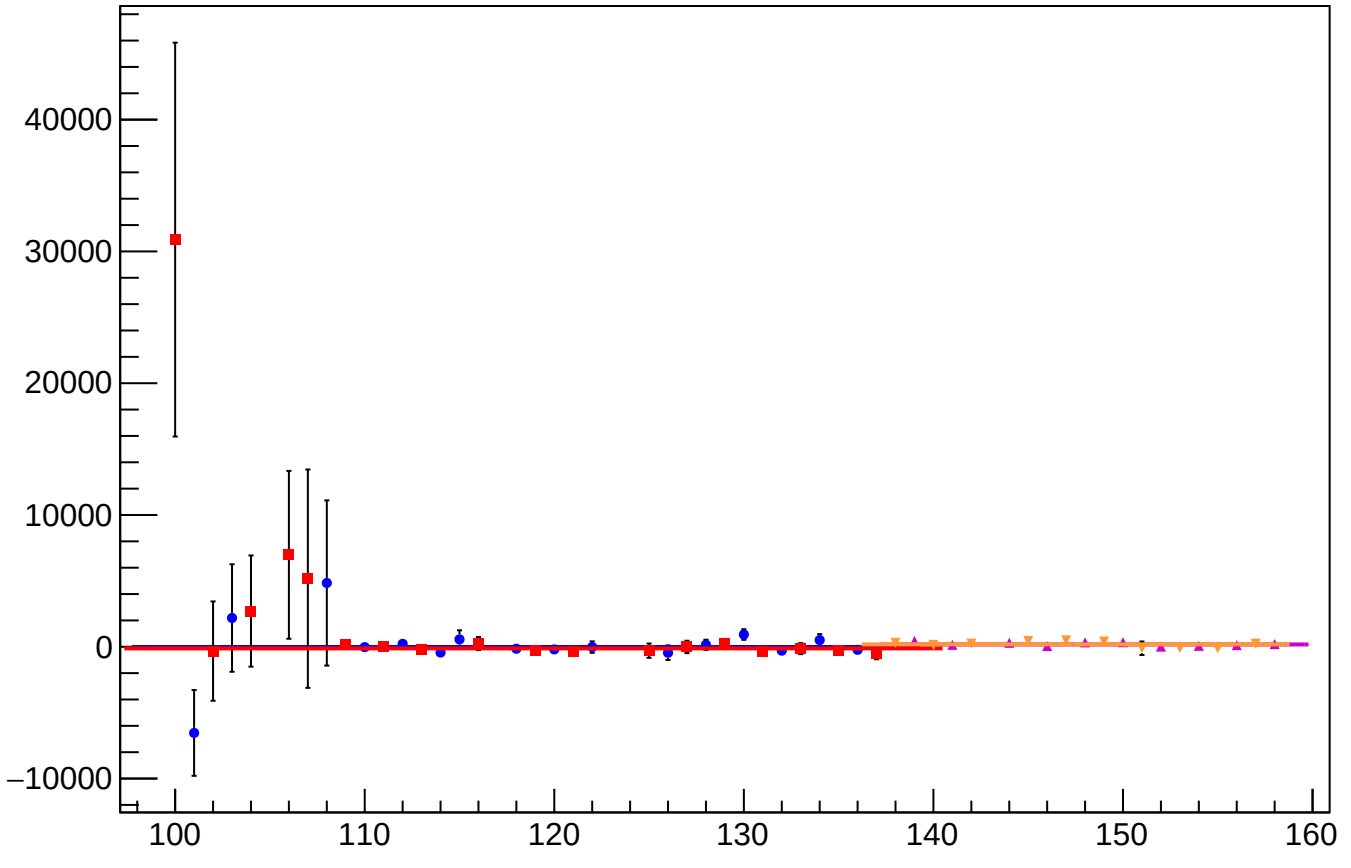
Left: 29.634+/-0.005 χ^2/NDF: 95780.9/19

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.831+/-0.005 χ^2/NDF:3358661.7/25

Out: 28.869+/-0.006 χ^2/NDF:3615392.8/27

All: 28.849+/-0.004 χ^2/NDF: 6974078.4/53



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 181.203+/-87.761 χ^2/NDF:5.3/9

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 175.294+/-68.458 χ^2/NDF:3.6/9

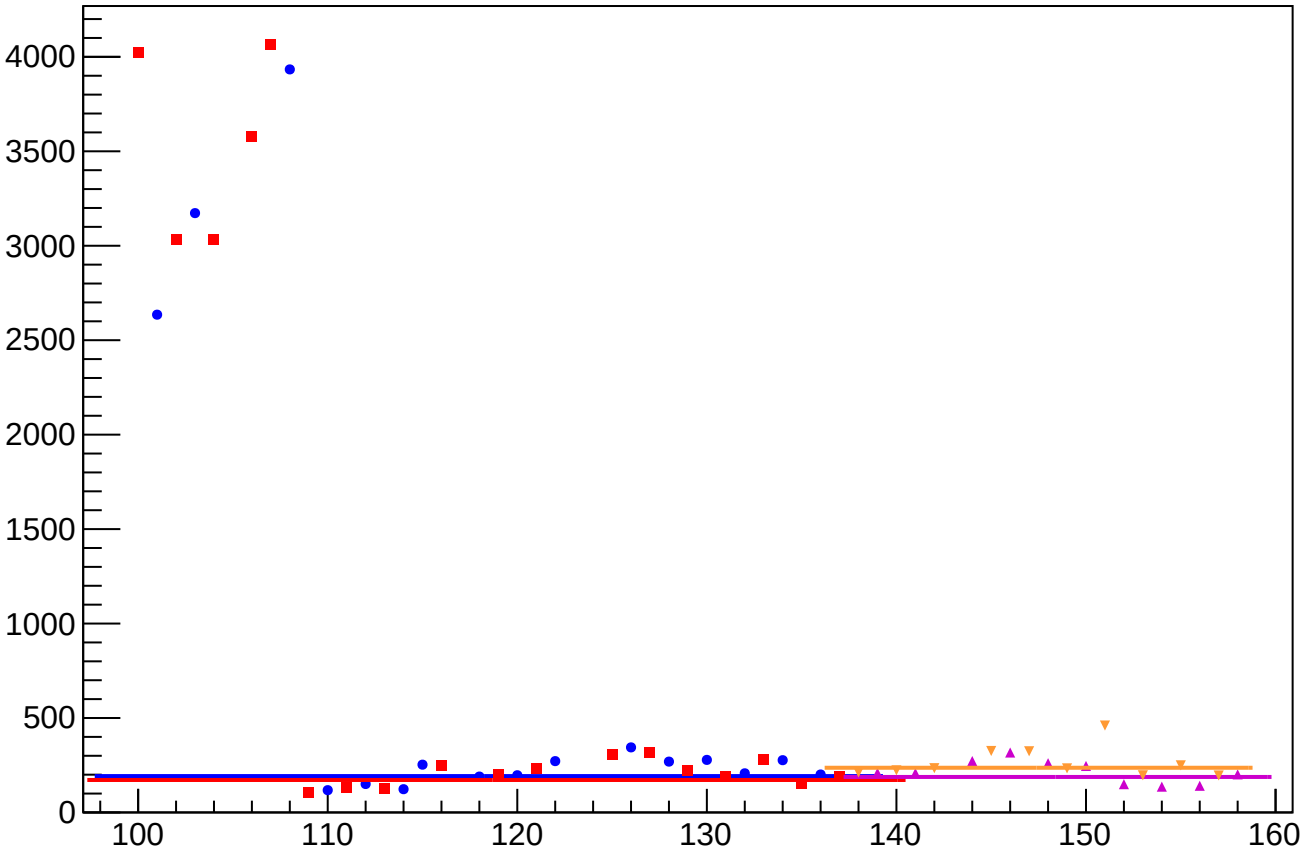
Left: 177.530+/-53.978 χ^2/NDF: 8.9/19

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 98.714+/-53.332 χ^2/NDF:25.0/25

Out: 13.672+/-58.651 χ^2/NDF:25.1/27

All: 60.224+/-39.458 χ^2/NDF: 51.2/53



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 236.648+/-0.062 χ^2/NDF:786769.2/9

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 187.919+/-0.048 χ^2/NDF:1203681.7/9

Left: 206.353+/-0.038 χ^2/NDF: 2373788.6/19

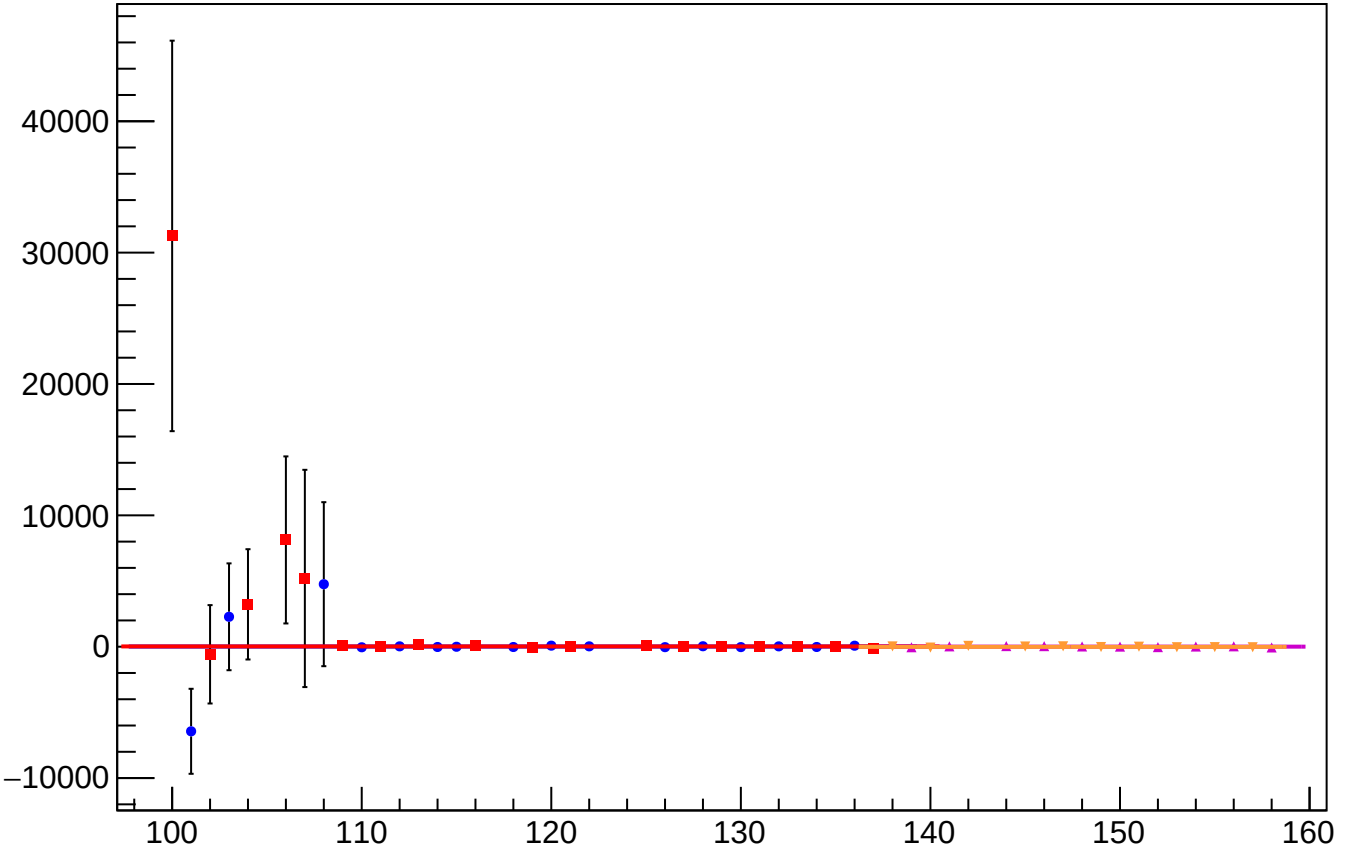
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 189.743+/-0.038 χ^2/NDF:5030083.9/25

Out: 200.818+/-0.041 χ^2/NDF:5637003.7/27

All: 194.756+/-0.028 χ^2/NDF: 10706117.2/53

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -11.724+/-11.369 χ^2/NDF:9.7/9

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 4.627+/-10.780 χ^2/NDF:10.6/9

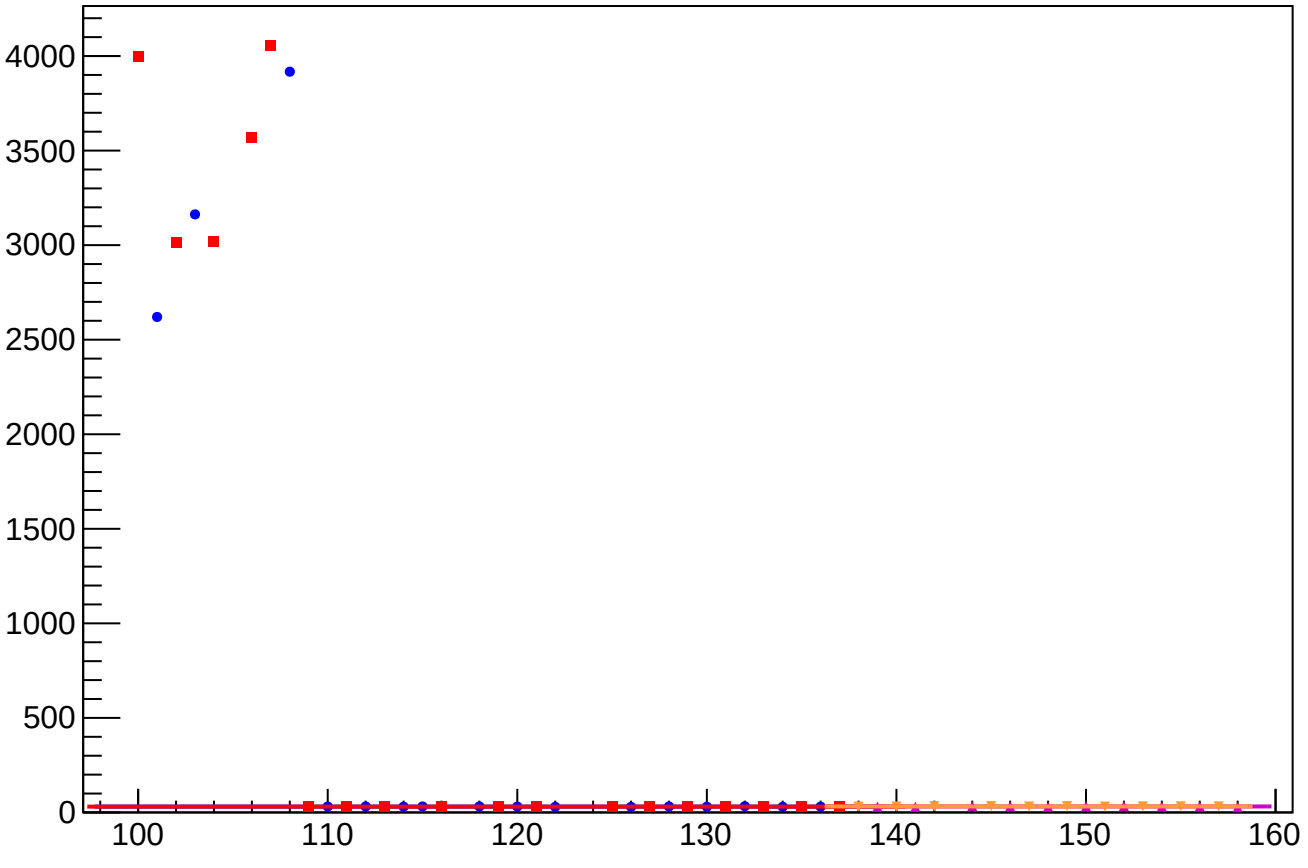
Left: -3.114+/-7.823 χ^2/NDF: 21.5/19

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 8.308+/-8.314 χ^2/NDF:26.4/25

Out: 2.374+/-8.664 χ^2/NDF:41.8/27

All: 5.463+/-5.999 χ^2/NDF: 68.4/53



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.834+/-0.008 χ^2/NDF:15277.6/9

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.715+/-0.008 χ^2/NDF:53137.5/9

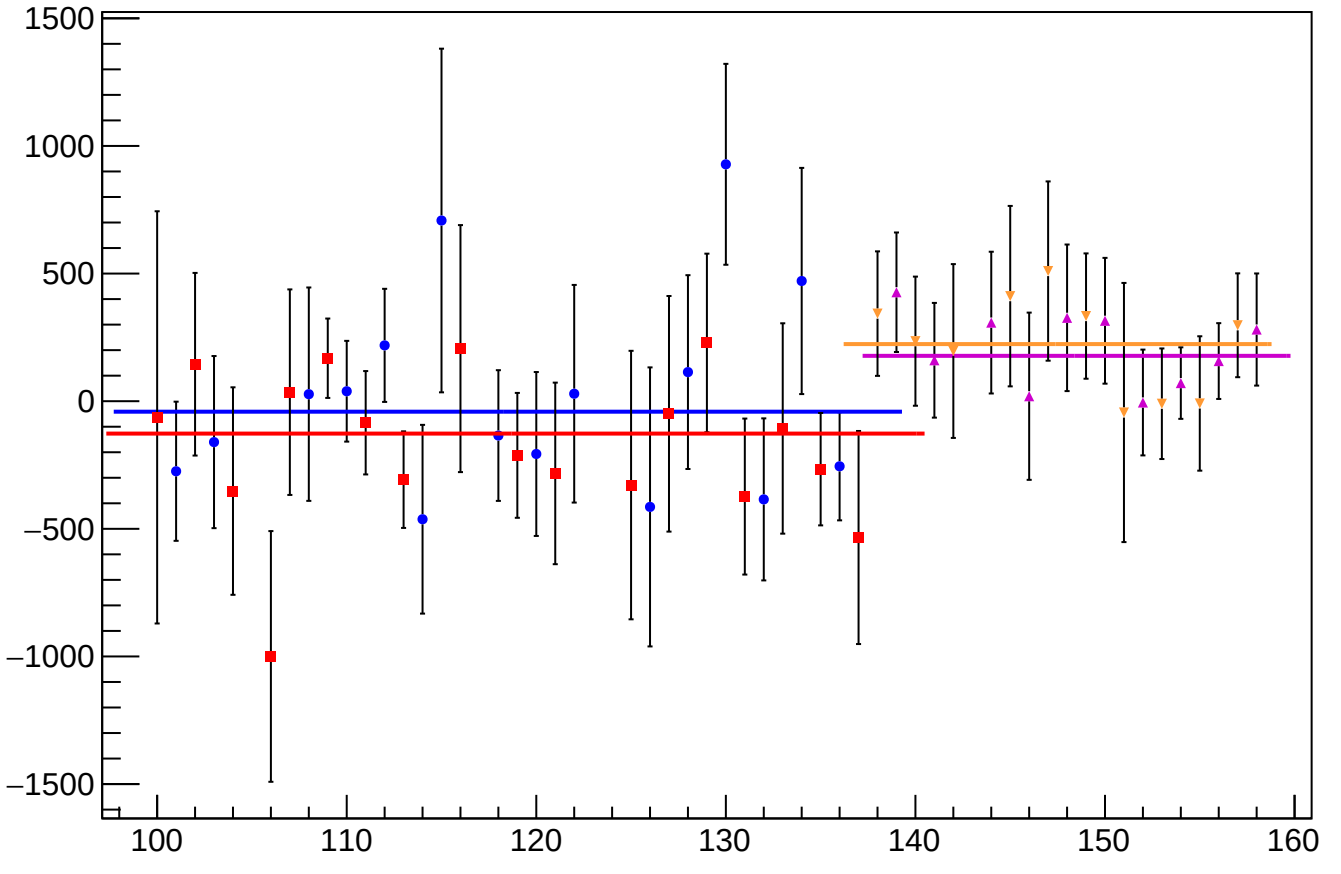
Left: 31.771+/-0.006 χ^2/NDF: 68530.3/19

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.396+/-0.006 χ^2/NDF:3310056.4/25

Out: 31.402+/-0.006 χ^2/NDF:3558112.6/27

All: 31.399+/-0.004 χ^2/NDF: 6868169.5/53



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 223.724+/-85.261 χ^2/NDF:3.7/9

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 177.698+/-66.045 χ^2/NDF:3.8/9

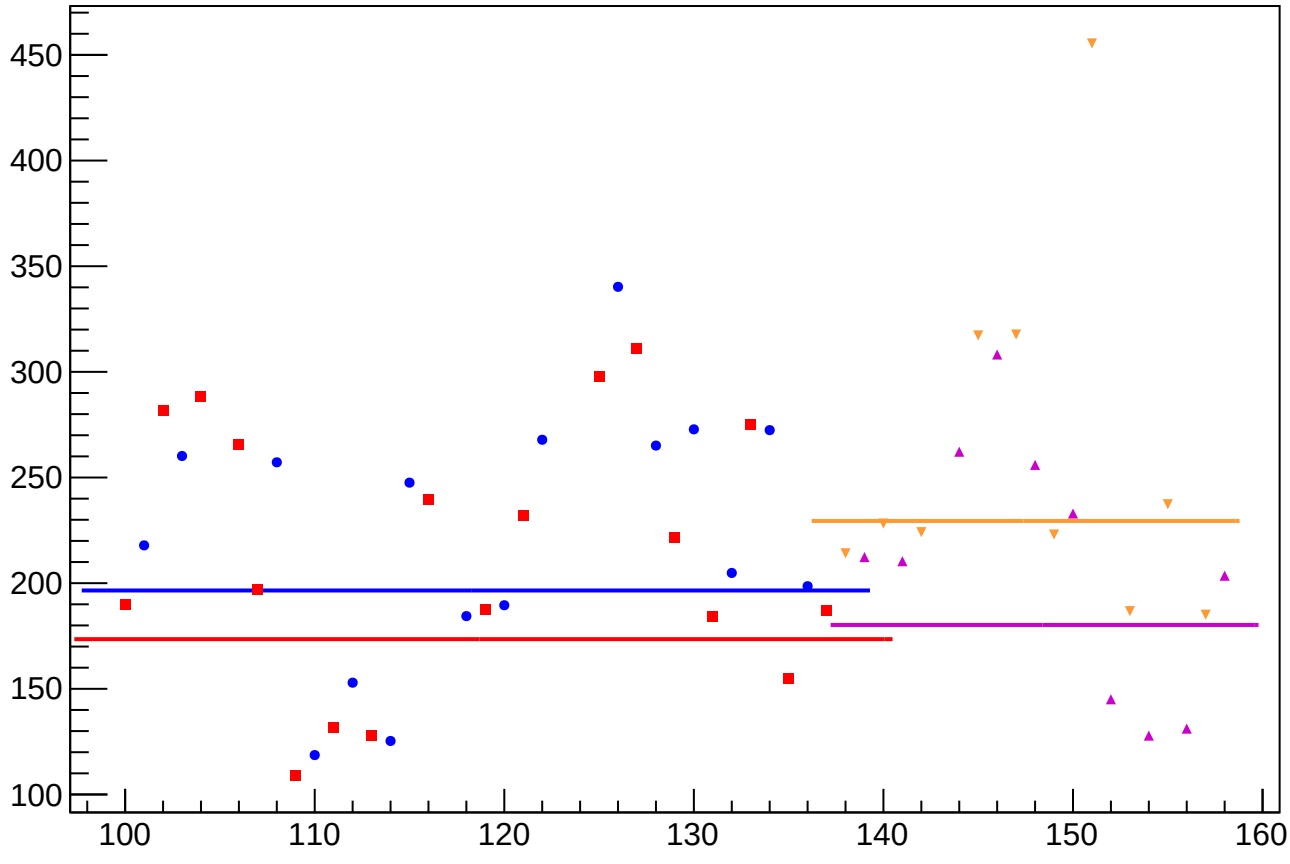
Left: 194.958+/-52.213 χ^2/NDF: 7.7/19

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 85.144+/-50.169 χ^2/NDF:24.0/25

Out: 12.789+/-53.815 χ^2/NDF:26.7/27

All: 51.500+/-36.696 χ^2/NDF: 51.7/53



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 229.439+/-0.060 χ^2/NDF:830377.7/9

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 180.222+/-0.047 χ^2/NDF:1362091.9/9

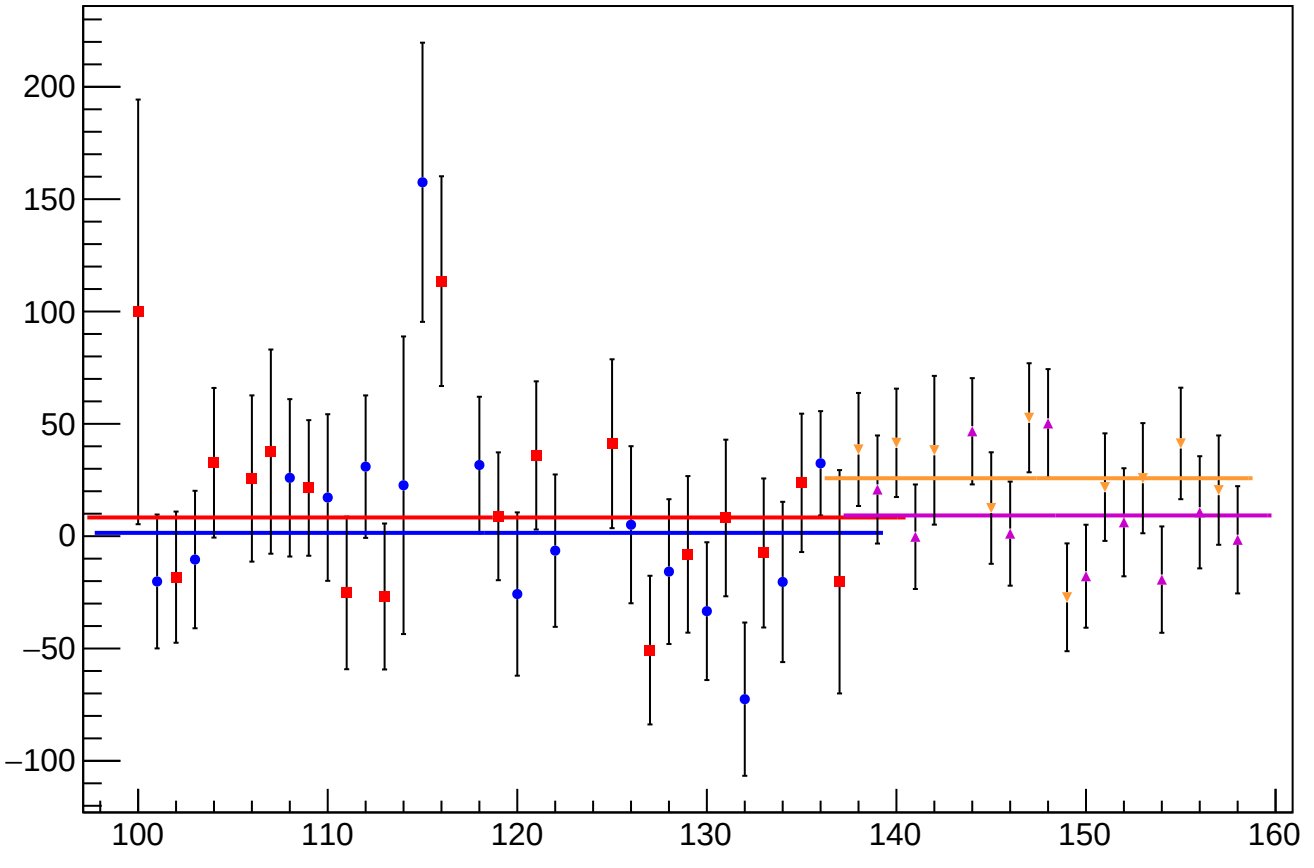
Left: 198.679+/-0.037 χ^2/NDF: 2608982.4/19

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 187.125+/-0.035 χ^2/NDF:2414521.0/25

Out: 195.791+/-0.038 χ^2/NDF:2880850.7/27

All: 191.154+/-0.026 χ^2/NDF: 5323120.6/53



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 25.796+/-7.908 χ^2/NDF:7.7/9

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 9.222+/-7.513 χ^2/NDF:9.0/9

Left: 17.085+/-5.447 χ^2/NDF: 19.0/19

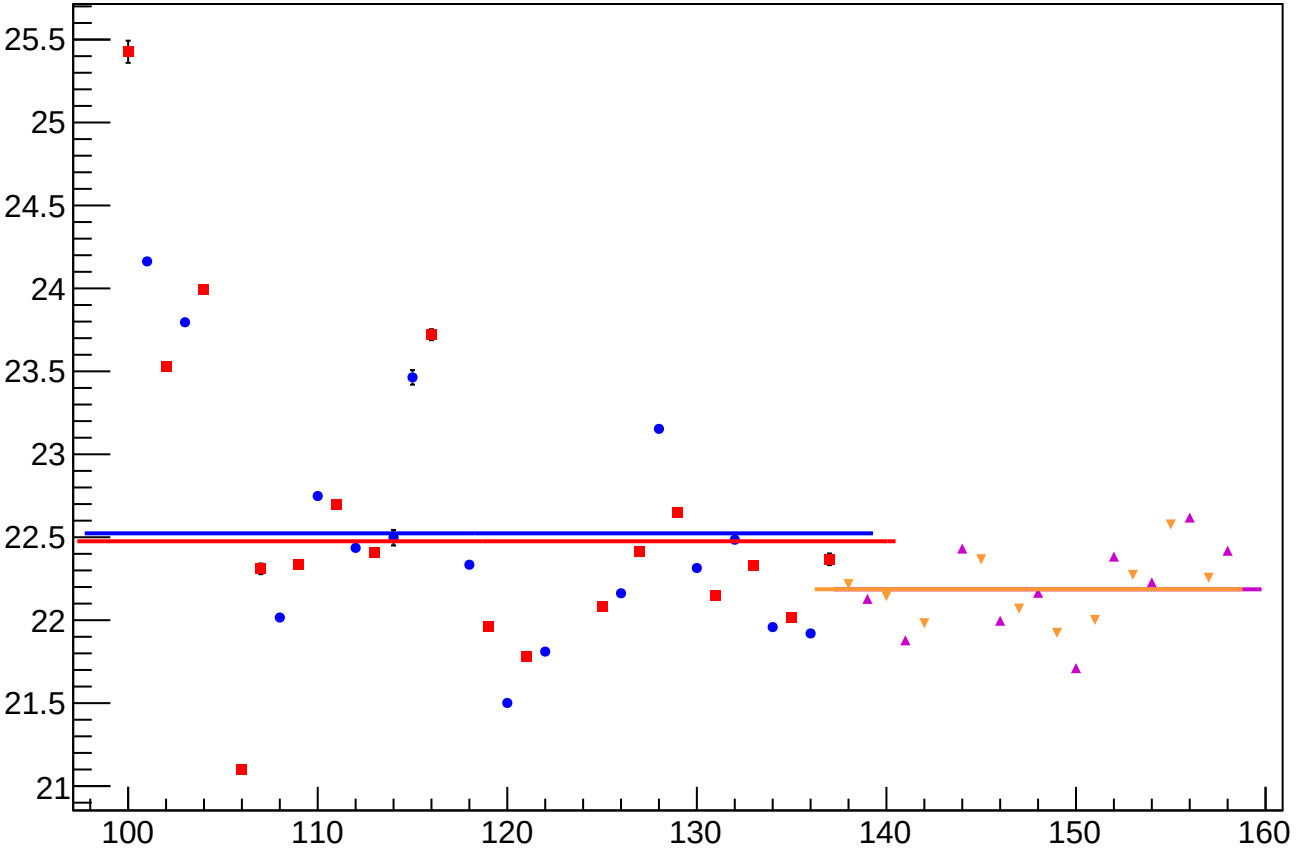
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.765+/-5.591 χ^2/NDF:28.1/25

Out: 17.470+/-5.721 χ^2/NDF:26.0/27

All: 11.484+/-3.999 χ^2/NDF: 56.3/53

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: 22.186+/-0.006 χ^2/NDF:1133.2/9

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.186+/-0.005 χ^2/NDF:2502.2/9

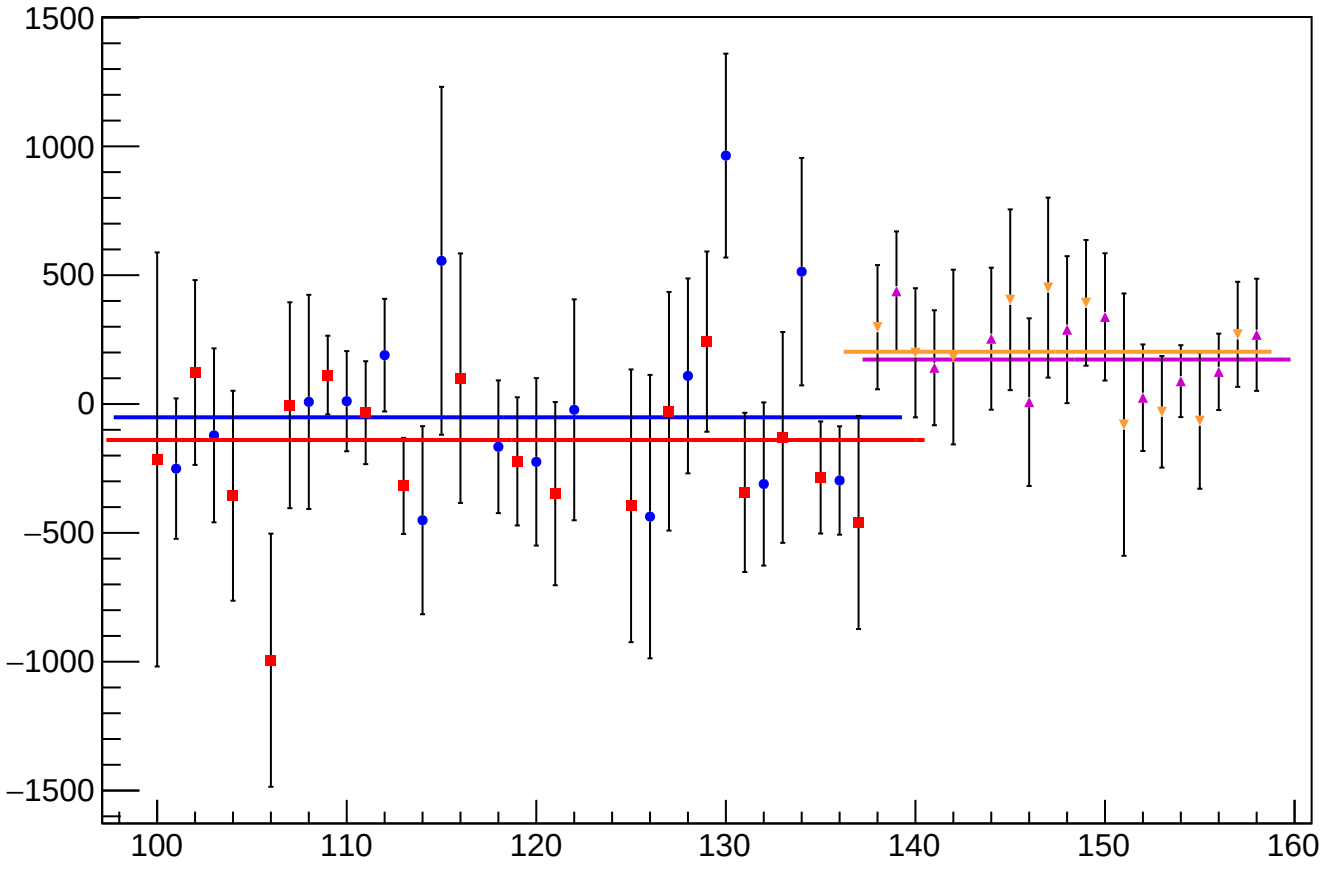
Left: 22.186+/-0.004 χ^2/NDF: 3635.4/19

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.337+/-0.004 χ^2/NDF:20250.9/25

Out: 22.324+/-0.004 χ^2/NDF:17944.7/27

All: 22.331+/-0.003 χ^2/NDF: 38200.3/53



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 202.800+/-84.942 χ^2/NDF:4.2/9

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 172.680+/-65.759 χ^2/NDF:3.5/9

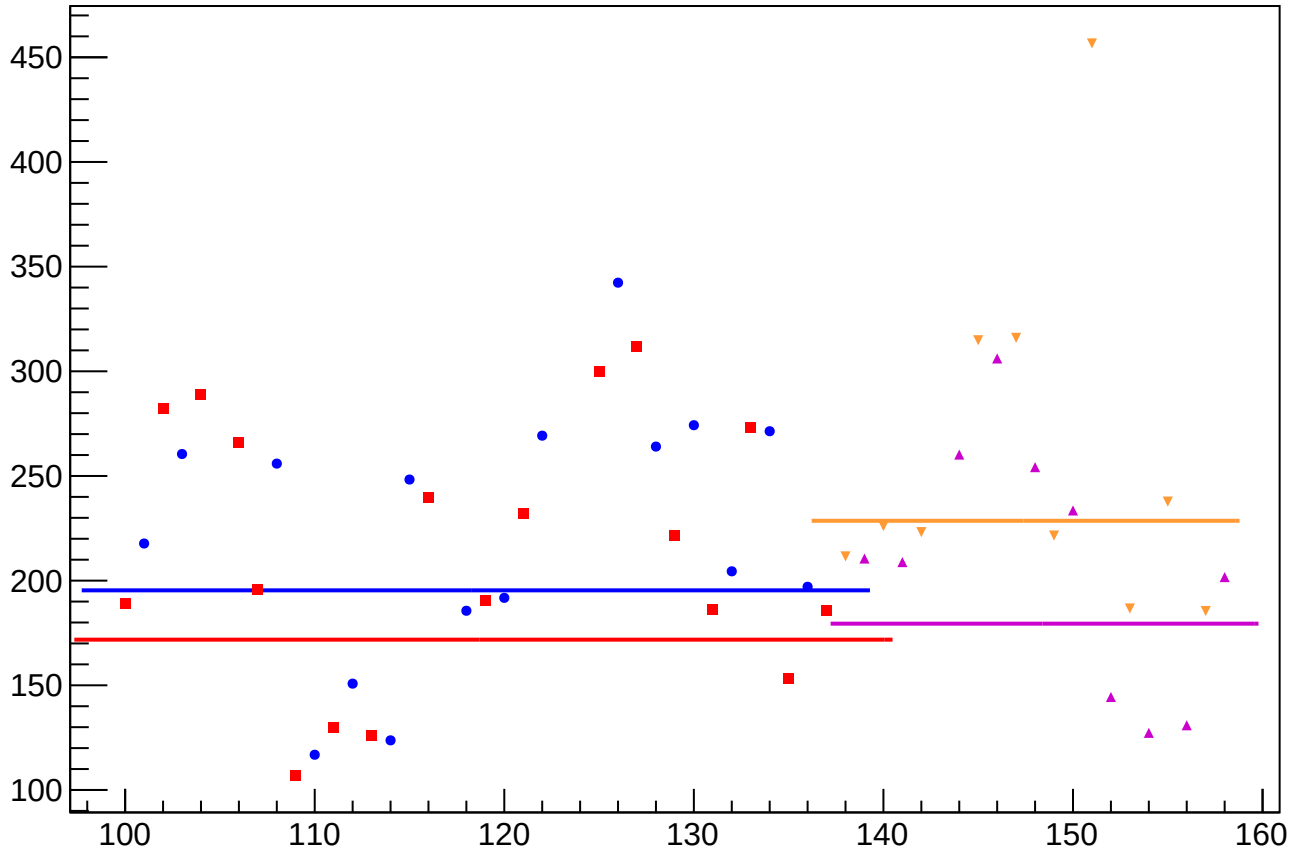
Left: 183.967+/-51.998 χ^2/NDF: 7.7/19

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 77.850+/-49.950 χ^2/NDF:23.7/25

Out: -3.715+/-53.504 χ^2/NDF:25.6/27

All: 39.866+/-36.512 χ^2/NDF: 50.5/53



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 228.588+/-0.060 χ^2/NDF:826333.3/9

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 179.444+/-0.046 χ^2/NDF:1350801.4/9

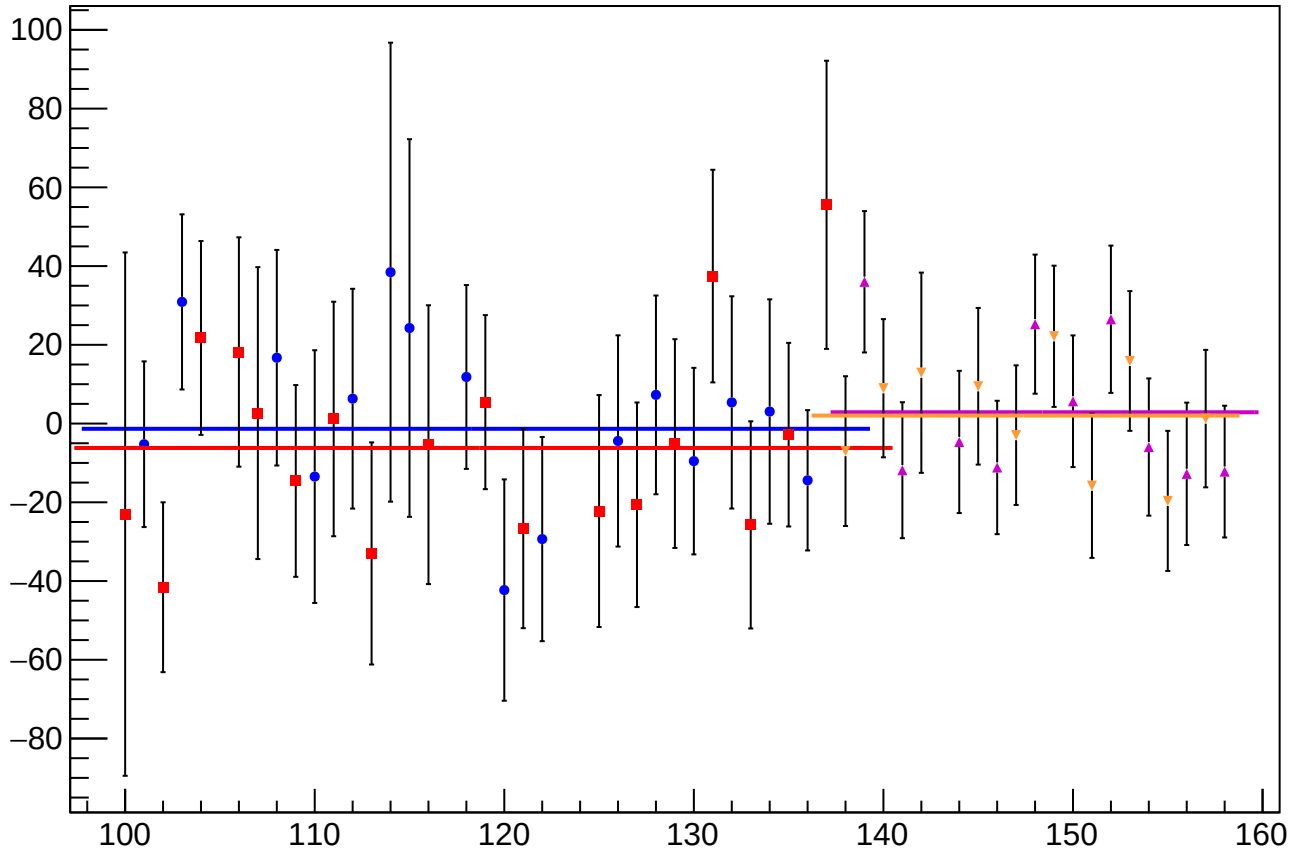
Left: 197.860+/-0.037 χ^2/NDF: 2595723.3/19

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 186.177+/-0.035 χ^2/NDF:2441802.2/25

Out: 194.334+/-0.038 χ^2/NDF:2966144.9/27

All: 189.976+/-0.026 χ^2/NDF: 5432785.9/53



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.031+/-5.876 χ^2/NDF:5.1/9

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 2.870+/-5.542 χ^2/NDF:10.0/9

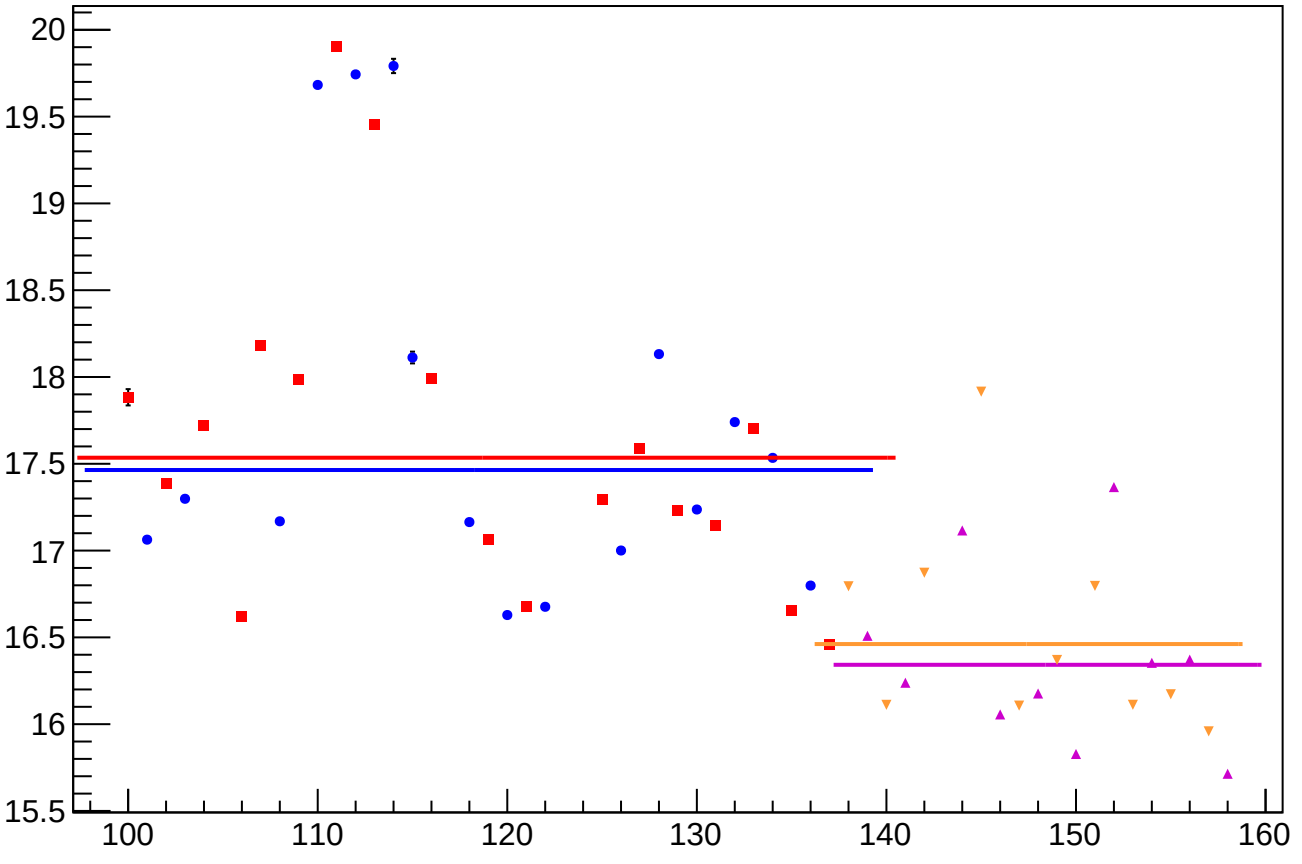
Left: 2.475+/-4.032 χ^2/NDF: 15.1/19

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 1.101+/-4.217 χ^2/NDF:18.3/25

Out: -1.685+/-4.351 χ^2/NDF:19.4/27

All: -0.248+/-3.028 χ^2/NDF: 37.9/53



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.462+/-0.004 χ^2/NDF:17098.3/9

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.342+/-0.004 χ^2/NDF:15358.8/9

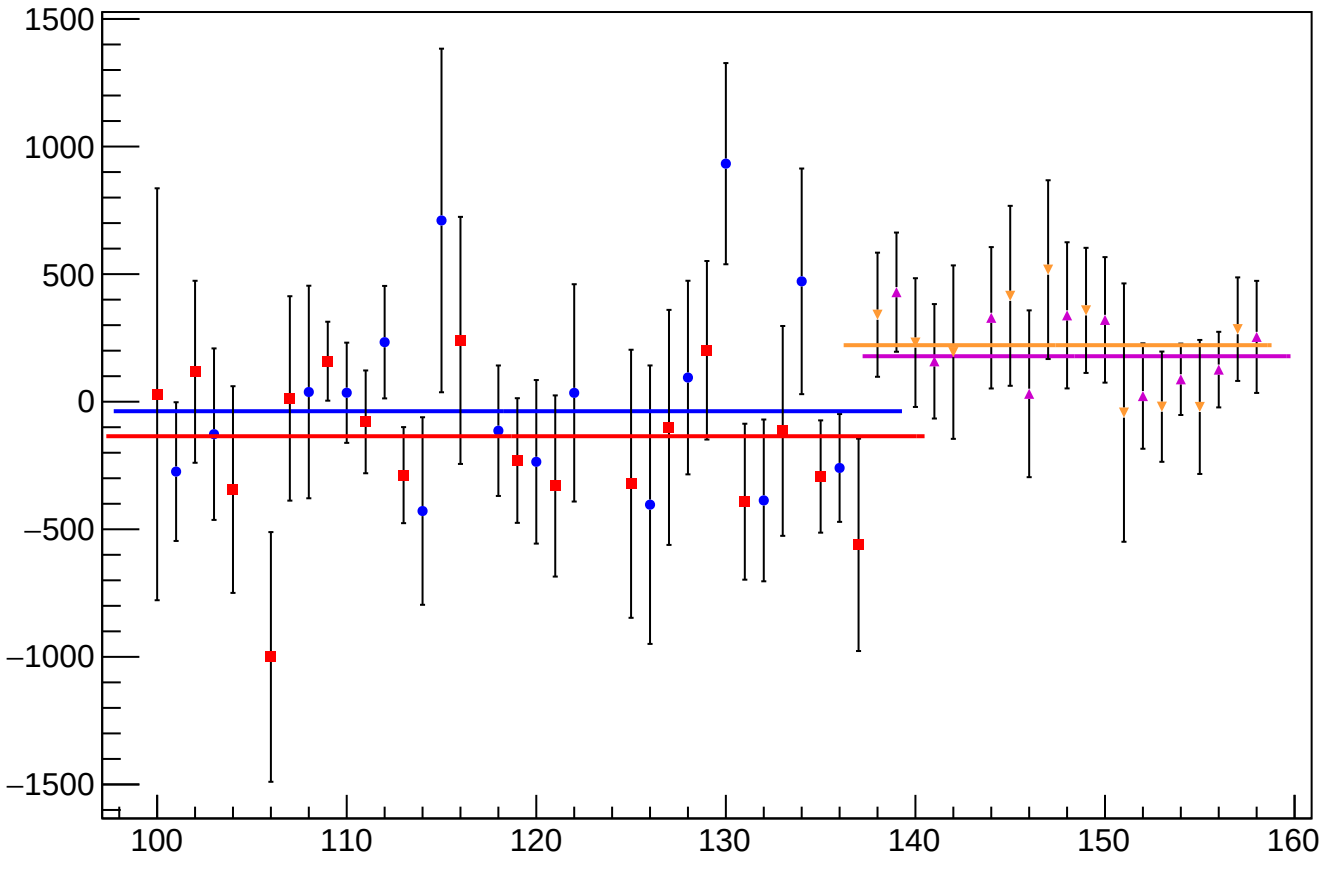
Left: 16.398+/-0.003 χ^2/NDF: 32895.1/19

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.814+/-0.003 χ^2/NDF:86535.1/25

Out: 16.947+/-0.003 χ^2/NDF:81731.1/27

All: 16.878+/-0.002 χ^2/NDF: 169215.8/53



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 221.513+/-85.061 χ^2/NDF:4.0/9

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 178.273+/-65.920 χ^2/NDF:3.5/9

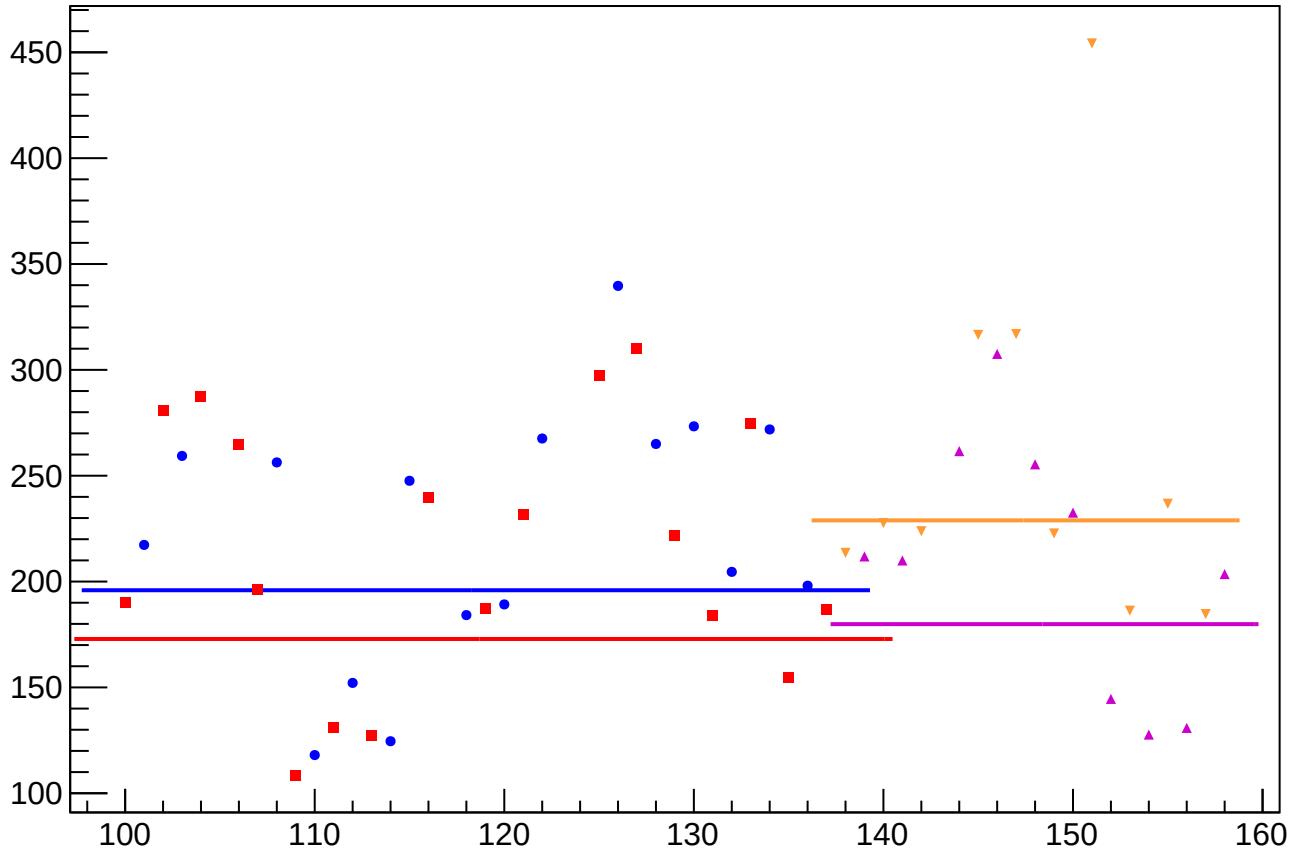
Left: 194.498+/-52.105 χ^2/NDF: 7.7/19

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 87.008+/-50.052 χ^2/NDF:23.7/25

Out: 6.711+/-53.660 χ^2/NDF:27.4/27

All: 49.649+/-36.601 χ^2/NDF: 52.3/53



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 228.898+/-0.060 χ^2/NDF:830463.1/9

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 179.884+/-0.047 χ^2/NDF:1361778.3/9

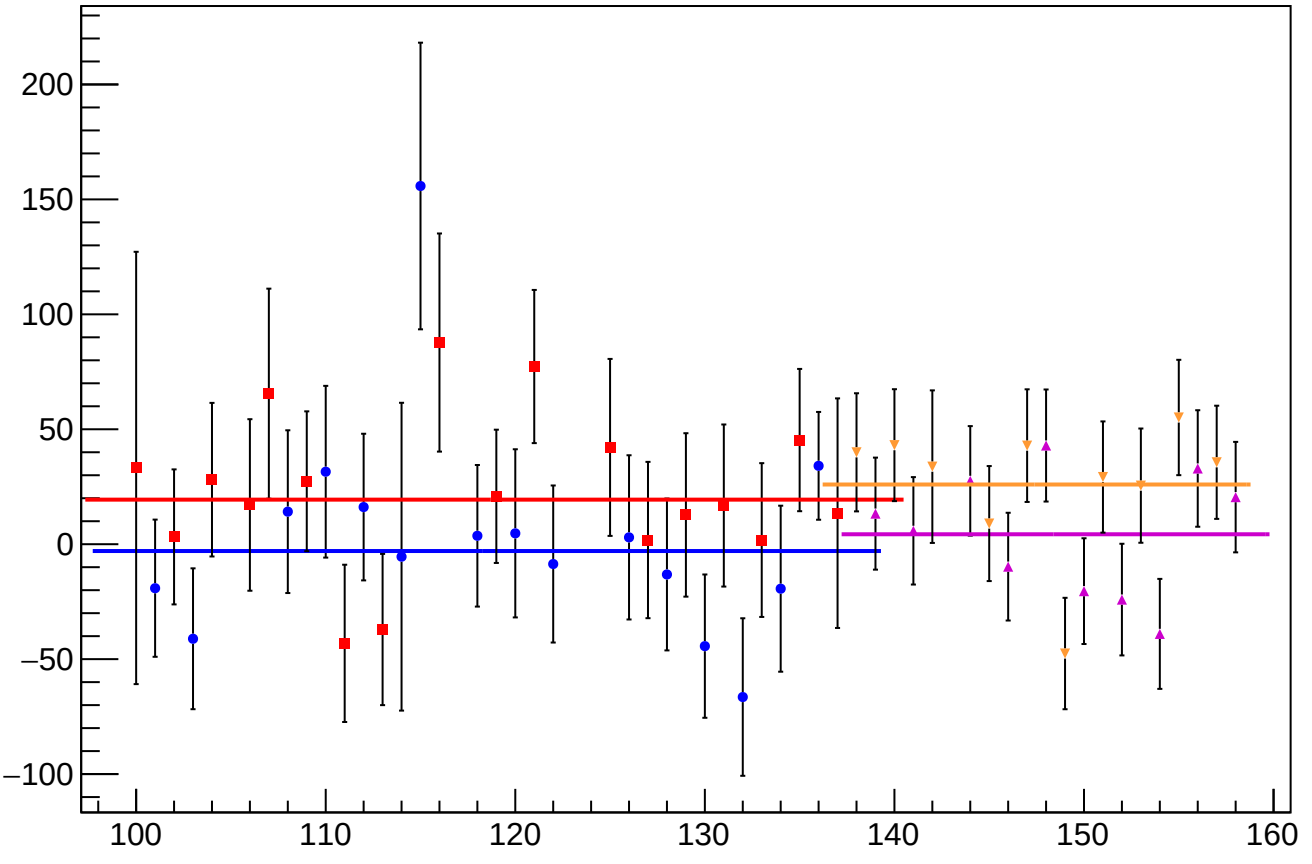
Left: 198.276+/-0.037 χ^2/NDF: 2607130.5/19

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 186.666+/-0.035 χ^2/NDF:2422782.3/25

Out: 195.169+/-0.038 χ^2/NDF:2896073.6/27

All: 190.622+/-0.026 χ^2/NDF: 5345707.2/53



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 25.972+/-7.995 χ^2/NDF:12.5/9

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 4.324+/-7.580 χ^2/NDF:11.5/9

Left: 14.572+/-5.501 χ^2/NDF: 27.9/19

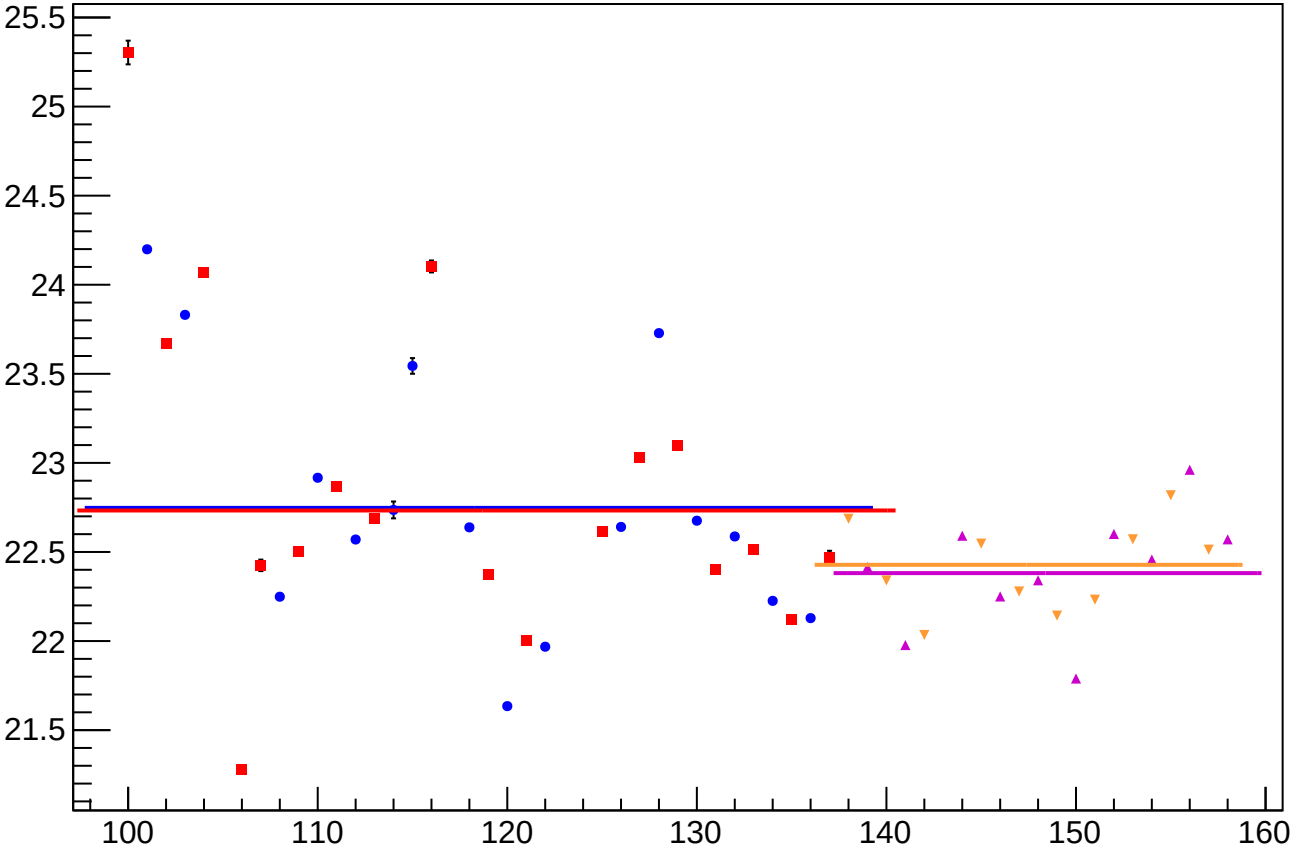
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 1.075+/-5.644 χ^2/NDF:29.8/25

Out: 22.835+/-5.785 χ^2/NDF:27.4/27

All: 11.686+/-4.040 χ^2/NDF: 64.4/53

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: 22.428+/-0.006 χ^2/NDF:1611.1/9

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.381+/-0.005 χ^2/NDF:3503.6/9

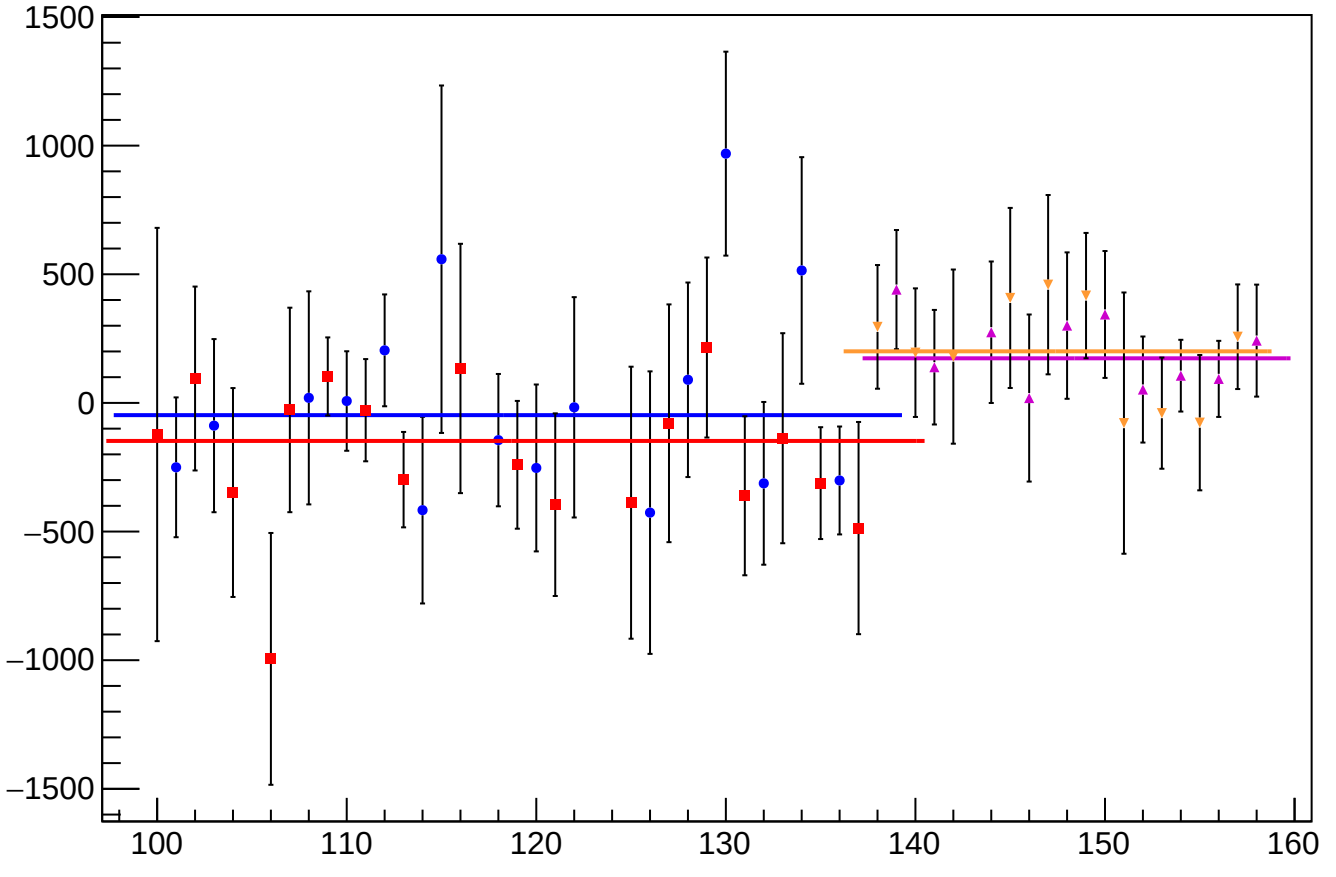
Left: 22.403+/-0.004 χ^2/NDF: 5150.4/19

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.544+/-0.004 χ^2/NDF:20206.1/25

Out: 22.573+/-0.004 χ^2/NDF:17388.0/27

All: 22.558+/-0.003 χ^2/NDF: 37619.4/53



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 200.474+/-84.742 χ^2/NDF:4.6/9

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 173.324+/-65.634 χ^2/NDF:3.4/9

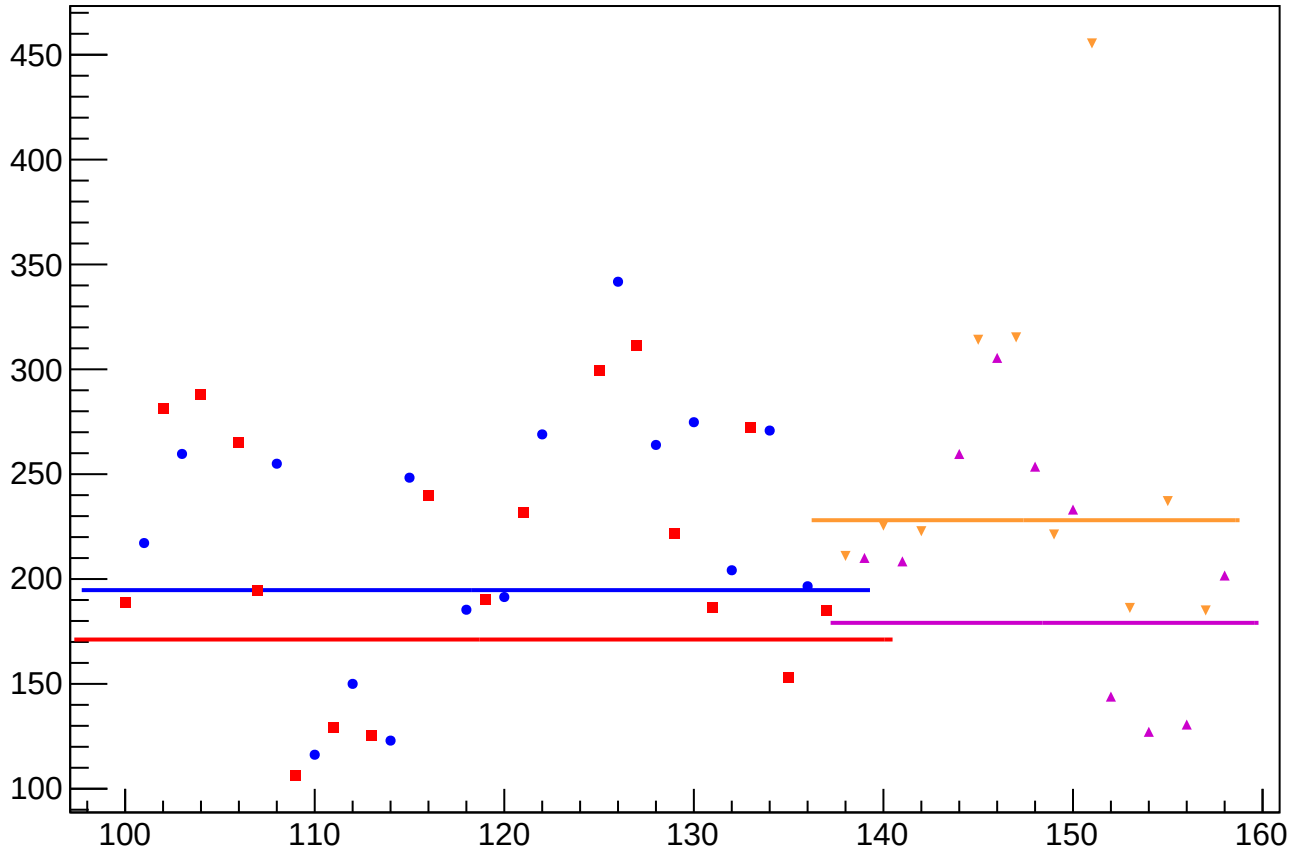
Left: 183.504+/-51.890 χ^2/NDF: 8.0/19

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 79.787+/-49.832 χ^2/NDF:23.6/25

Out: -9.786+/-53.347 χ^2/NDF:26.3/27

All: 38.048+/-36.416 χ^2/NDF: 51.4/53



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 228.050+/-0.060 χ^2/NDF:826350.4/9

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 179.108+/-0.046 χ^2/NDF:1350367.1/9

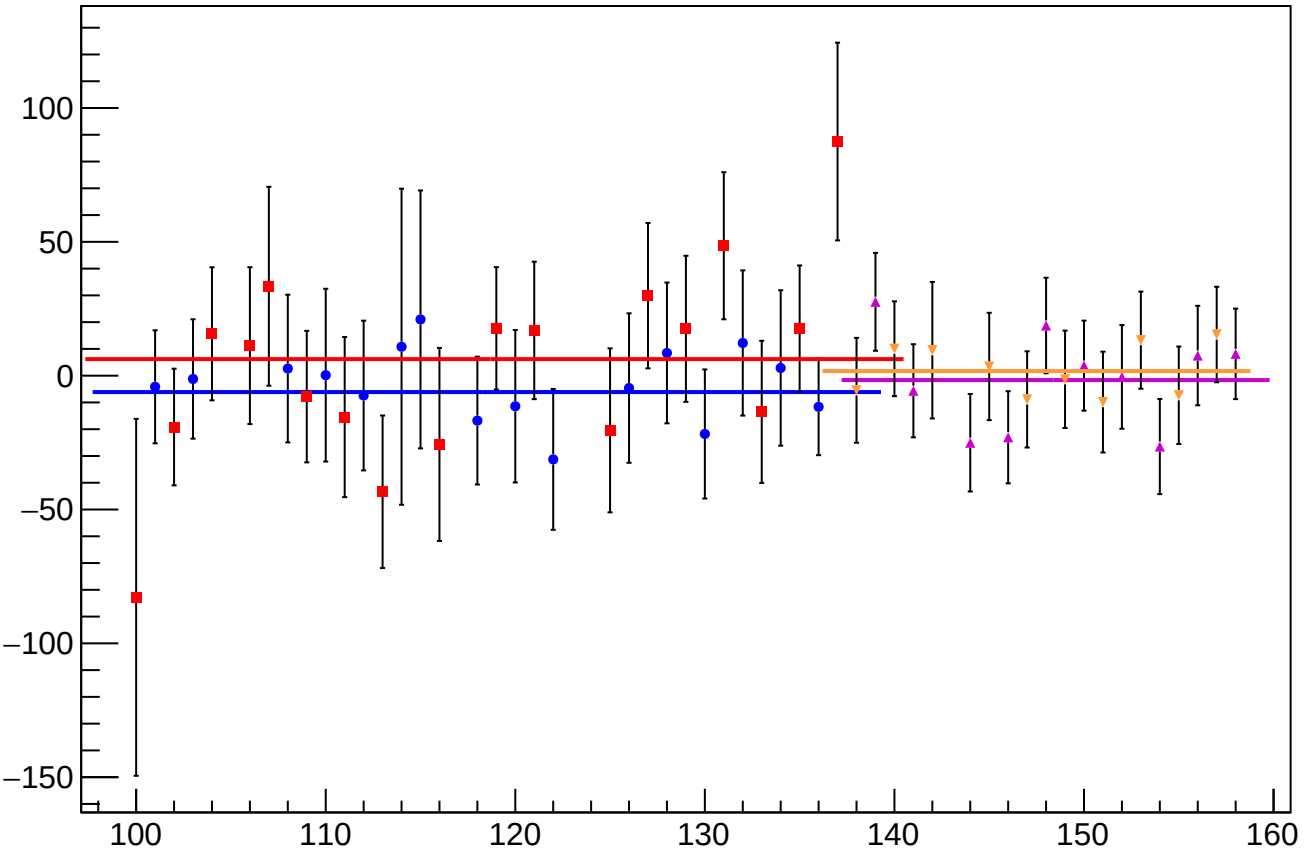
Left: 197.458+/-0.037 χ^2/NDF: 2593692.3/19

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 185.715+/-0.035 χ^2/NDF:2450511.3/25

Out: 193.703+/-0.038 χ^2/NDF:2982506.5/27

All: 189.437+/-0.026 χ^2/NDF: 5456965.0/53



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.726+/-5.981 χ^2/NDF:2.4/9

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: -1.644+/-5.627 χ^2/NDF:9.7/9

Left: -0.062+/-4.098 χ^2/NDF: 12.4/19

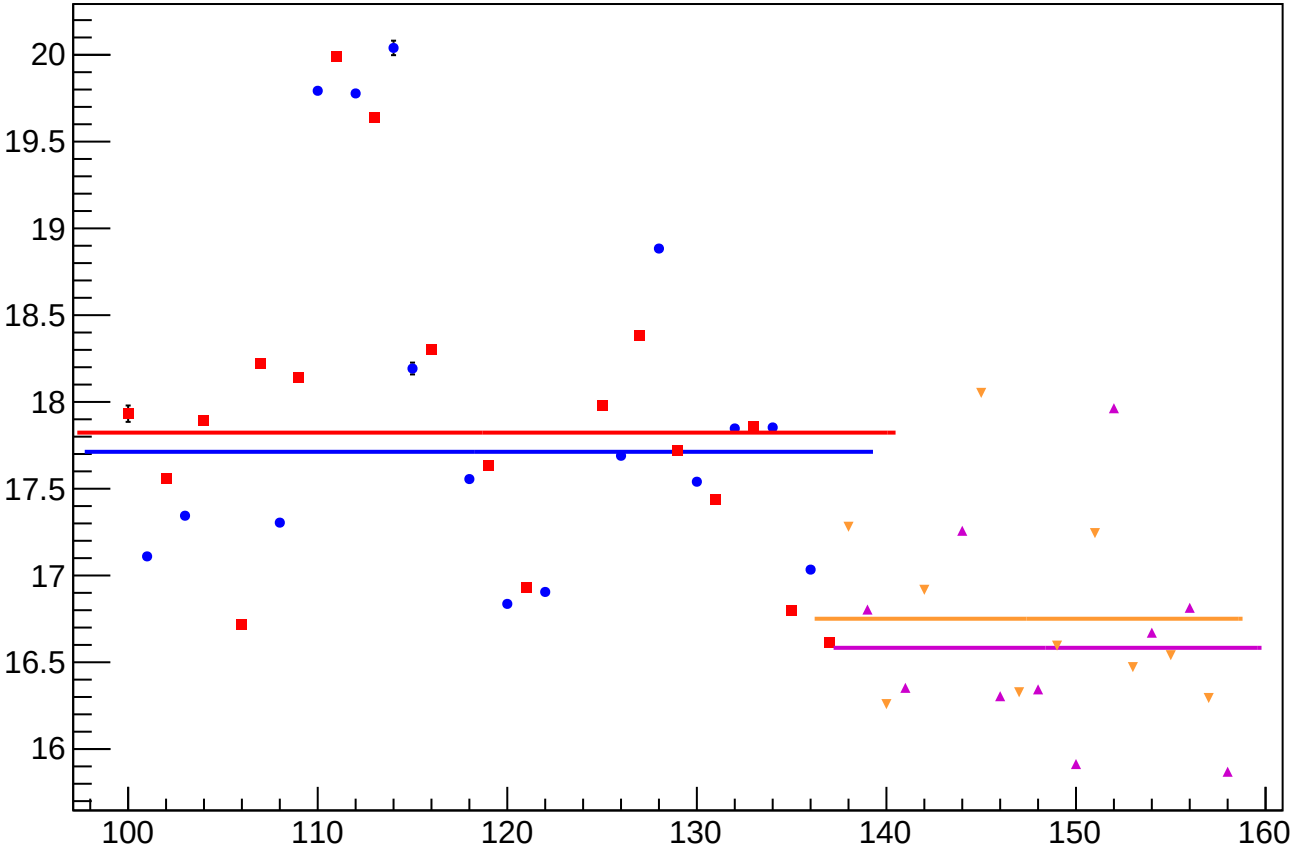
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -3.530+/-4.280 χ^2/NDF:13.1/25

Out: 3.748+/-4.426 χ^2/NDF:21.3/27

All: -0.013+/-3.077 χ^2/NDF: 35.9/53

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.751+/-0.004 χ^2/NDF:16197.2/9

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.583+/-0.004 χ^2/NDF:21523.1/9

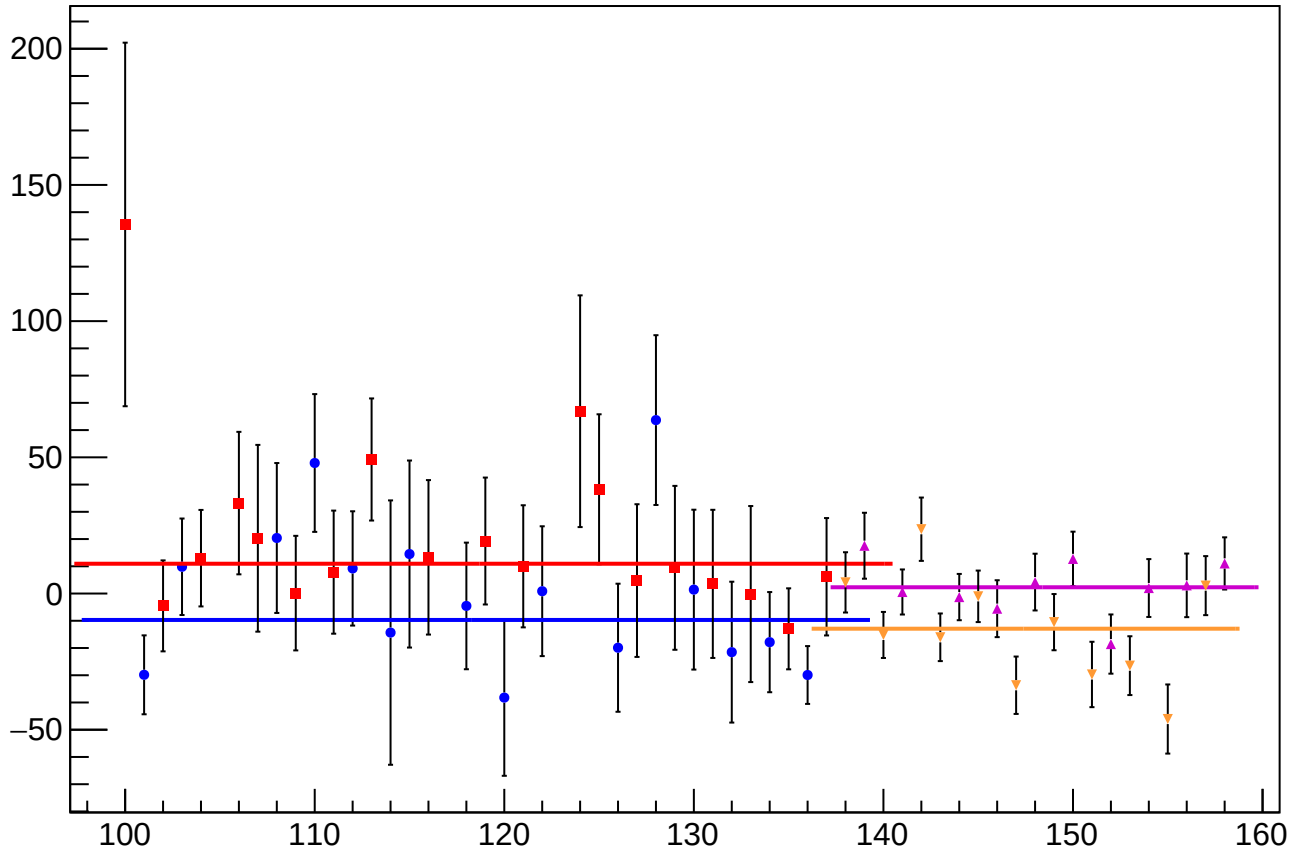
Left: 16.662+/-0.003 χ^2/NDF: 38553.3/19

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.059+/-0.003 χ^2/NDF:91466.5/25

Out: 17.236+/-0.003 χ^2/NDF:77783.7/27

All: 17.145+/-0.002 χ^2/NDF: 170898.0/53



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.913+/-3.124 χ^2/NDF:30.5/10

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 2.299+/-3.174 χ^2/NDF:8.0/9

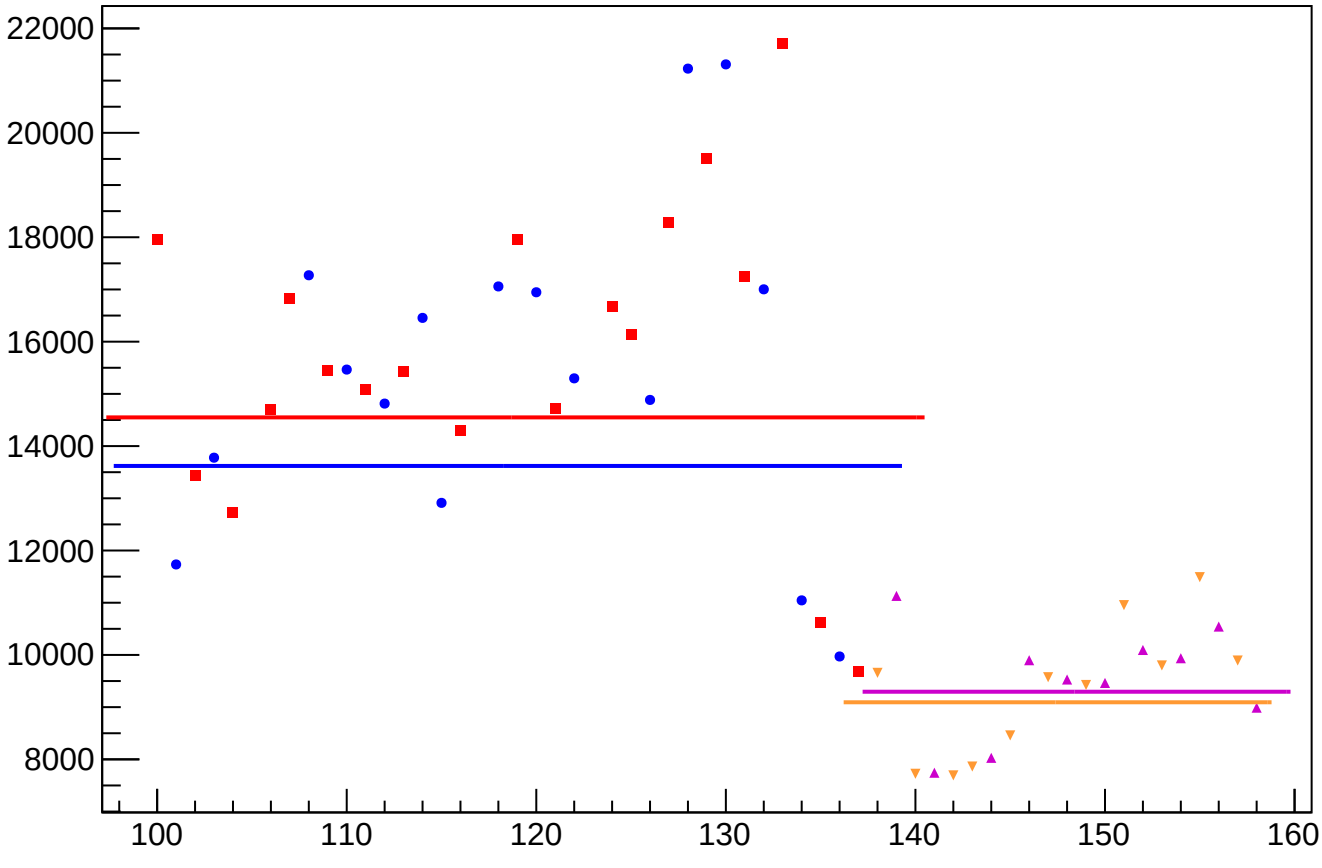
Left: -5.429+/-2.226 χ^2/NDF: 50.1/20

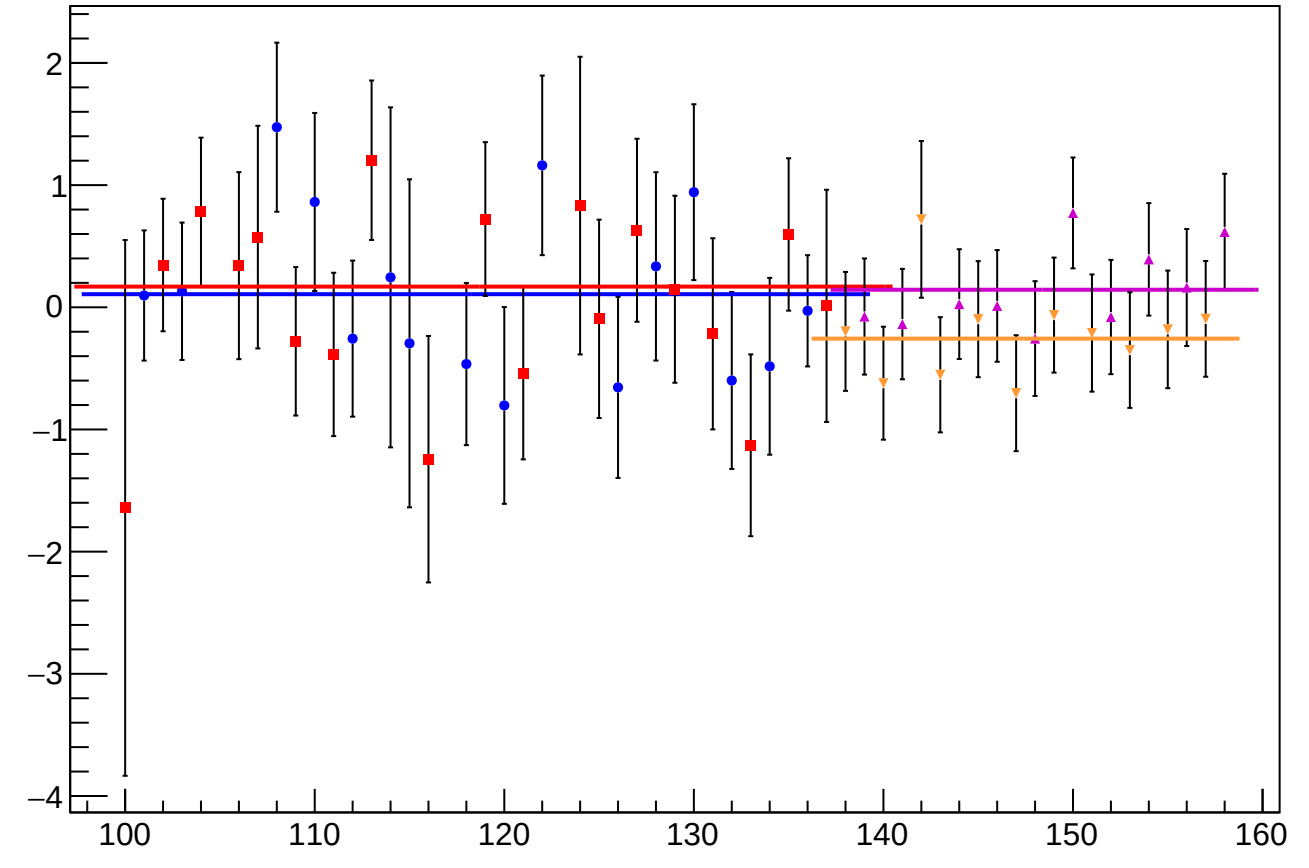
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -0.930+/-2.714 χ^2/NDF:33.9/25

Out: -6.993+/-2.708 χ^2/NDF:59.0/29

All: -3.968+/-1.917 χ^2/NDF: 95.4/55


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 9093.205+/-2.209 χ²/NDF:280370.0/10
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 9295.269+/-2.245 χ²/NDF:212026.3/9
Left: 9192.614+/-1.574 χ²/NDF: 496513.6/20
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 10458.981+/-1.919 χ²/NDF:1957962.7/25
Out: 10447.572+/-1.915 χ²/NDF:2351070.8/29
All: 10453.265+/-1.356 χ²/NDF: 4309051.2/5



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.256+/-0.146 χ^2/NDF:4.7/10

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.144+/-0.147 χ^2/NDF:4.9/9

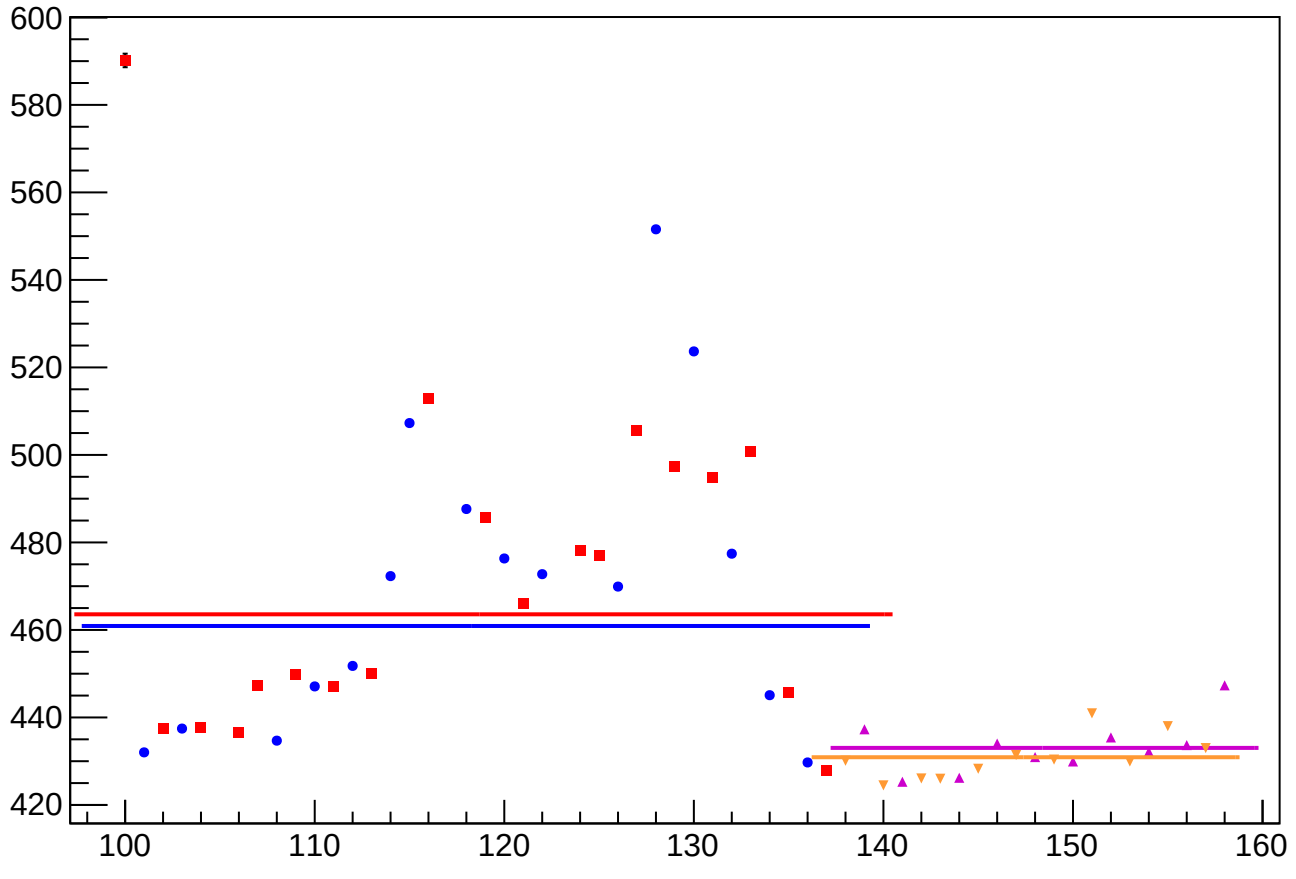
Left: -0.057+/-0.104 χ^2/NDF: 13.3/20

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.128+/-0.112 χ^2/NDF:18.6/25

Out: -0.075+/-0.111 χ^2/NDF:22.4/29

All: 0.026+/-0.079 χ^2/NDF: 42.7/55



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.906+/-0.103 χ^2/NDF:2147.2/10

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 433.042+/-0.104 χ^2/NDF:3216.0/9

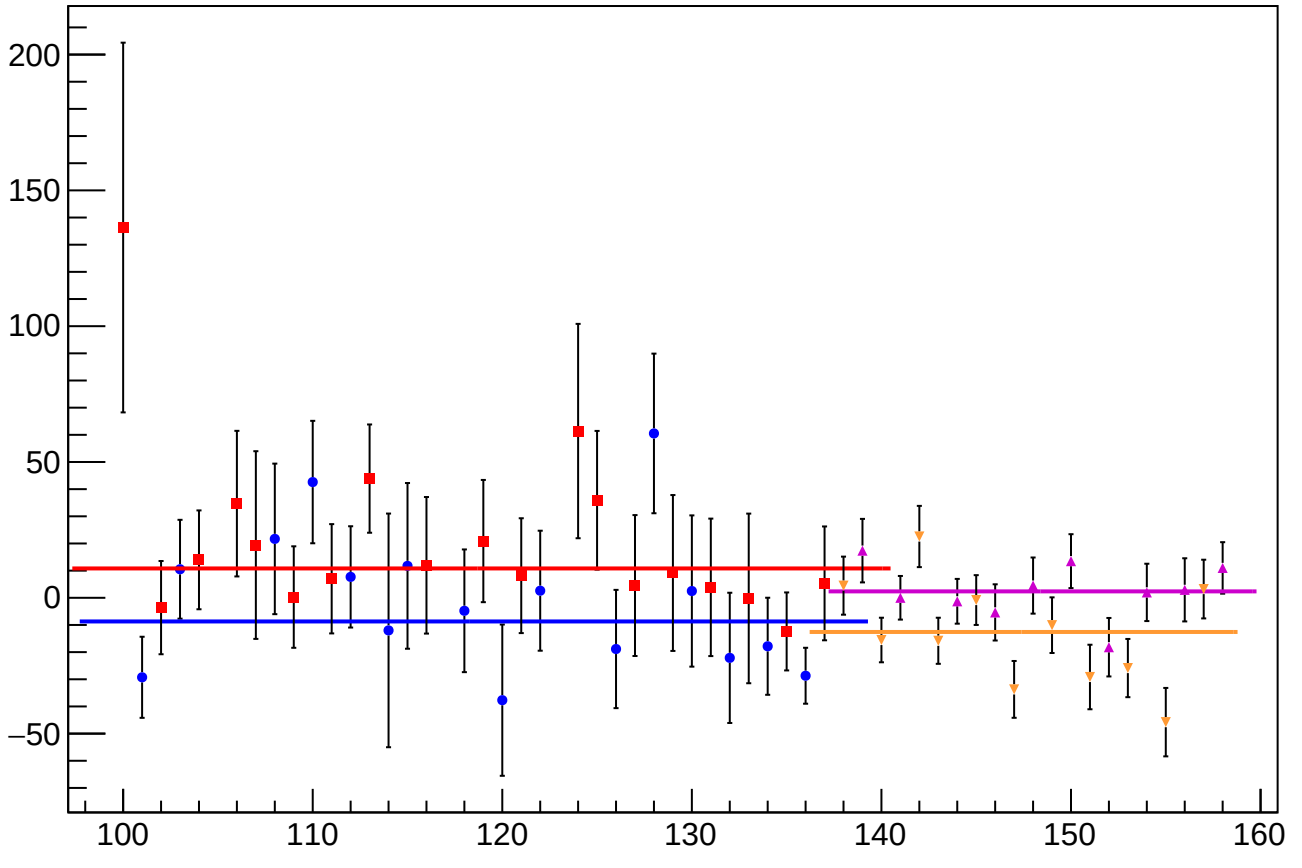
Left: 431.971+/-0.073 χ^2/NDF: 5576.1/20

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 444.792+/-0.079 χ^2/NDF:108604.5/25

Out: 444.845+/-0.078 χ^2/NDF:96943.3/29

All: 444.819+/-0.056 χ^2/NDF: 205548.0/55



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -12.578+/-3.063 χ^2/NDF:30.9/10

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 2.363+/-3.123 χ^2/NDF:8.3/9

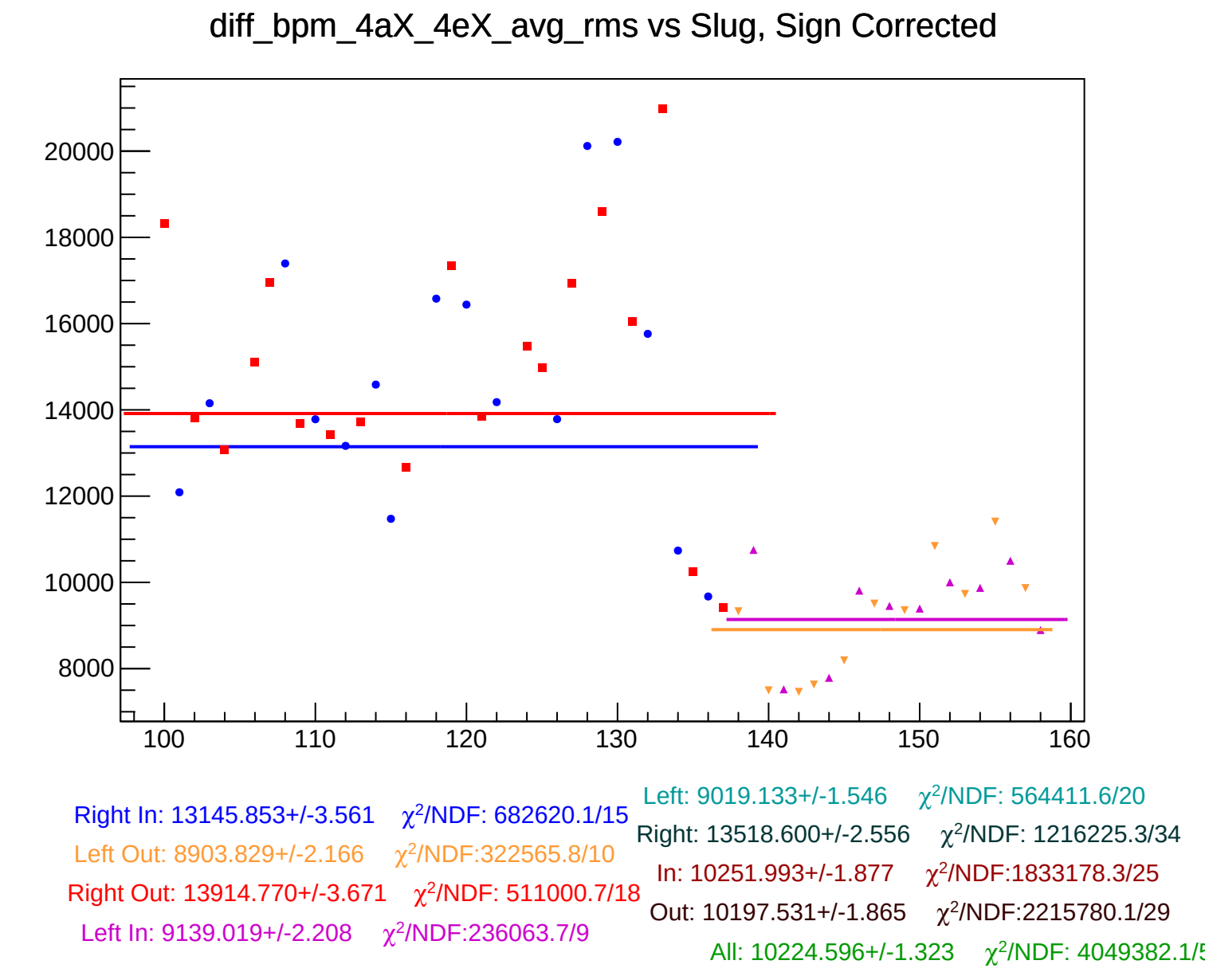
Left: -5.253+/-2.187 χ^2/NDF: 50.8/20

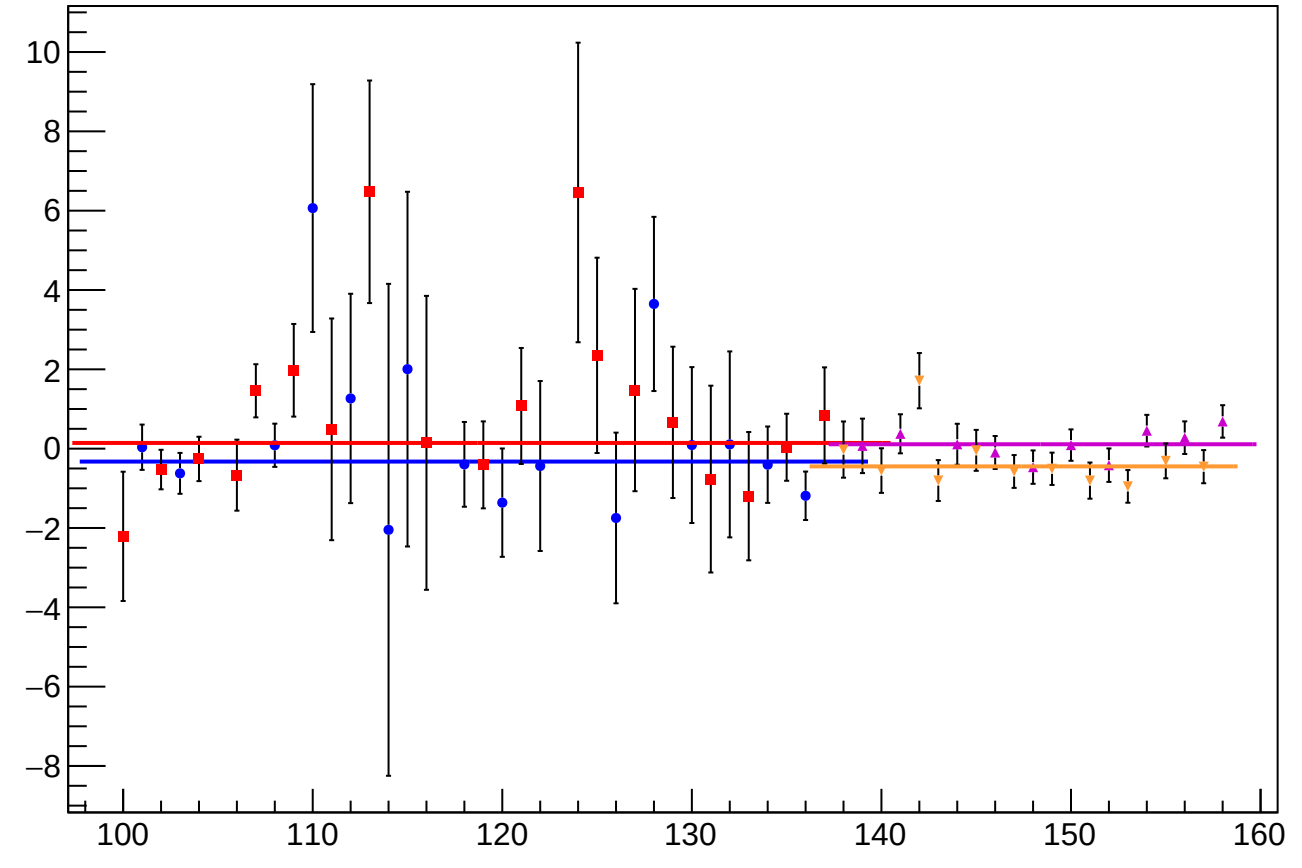
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -0.712+/-2.654 χ^2/NDF:34.0/25

Out: -6.540+/-2.638 χ^2/NDF:59.8/29

All: -3.644+/-1.871 χ^2/NDF: 96.3/55


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8903.829+/-2.166 χ²/NDF:322565.8/10
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 9139.019+/-2.208 χ²/NDF:236063.7/9
Left: 9019.133+/-1.546 χ²/NDF: 564411.6/20
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10251.993+/-1.877 χ²/NDF:1833178.3/25
Out: 10197.531+/-1.865 χ²/NDF:2215780.1/29
All: 10224.596+/-1.323 χ²/NDF: 4049382.1/5



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.447+/-0.144 χ^2/NDF:13.4/10

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.111+/-0.139 χ^2/NDF:6.9/9

Left: -0.159+/-0.100 χ^2/NDF: 28.1/20

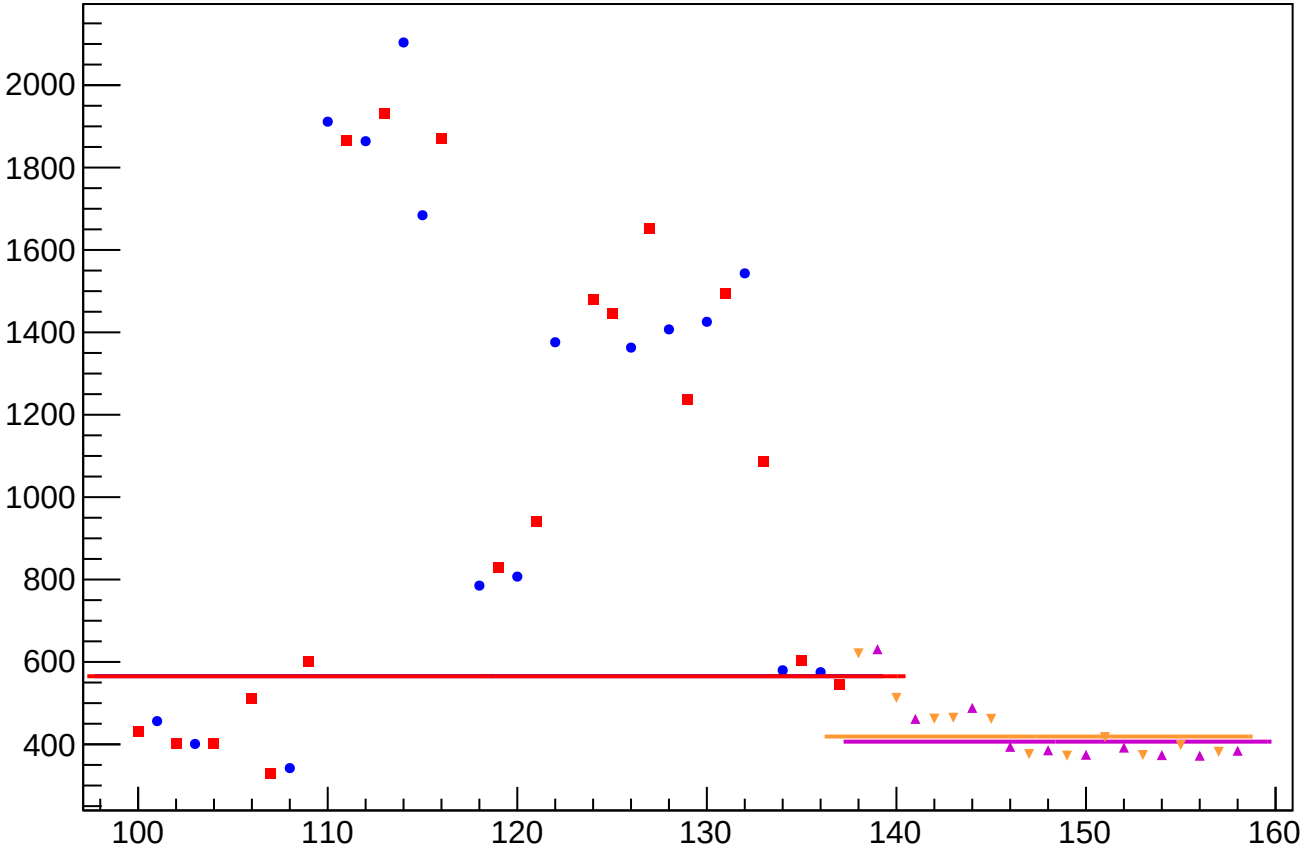
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.004+/-0.121 χ^2/NDF:21.9/25

Out: -0.295+/-0.124 χ^2/NDF:40.2/29

All: -0.142+/-0.087 χ^2/NDF: 65.1/55

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 418.865+/-0.102 χ^2/NDF:346449.2/10

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 406.511+/-0.098 χ^2/NDF:344099.1/9

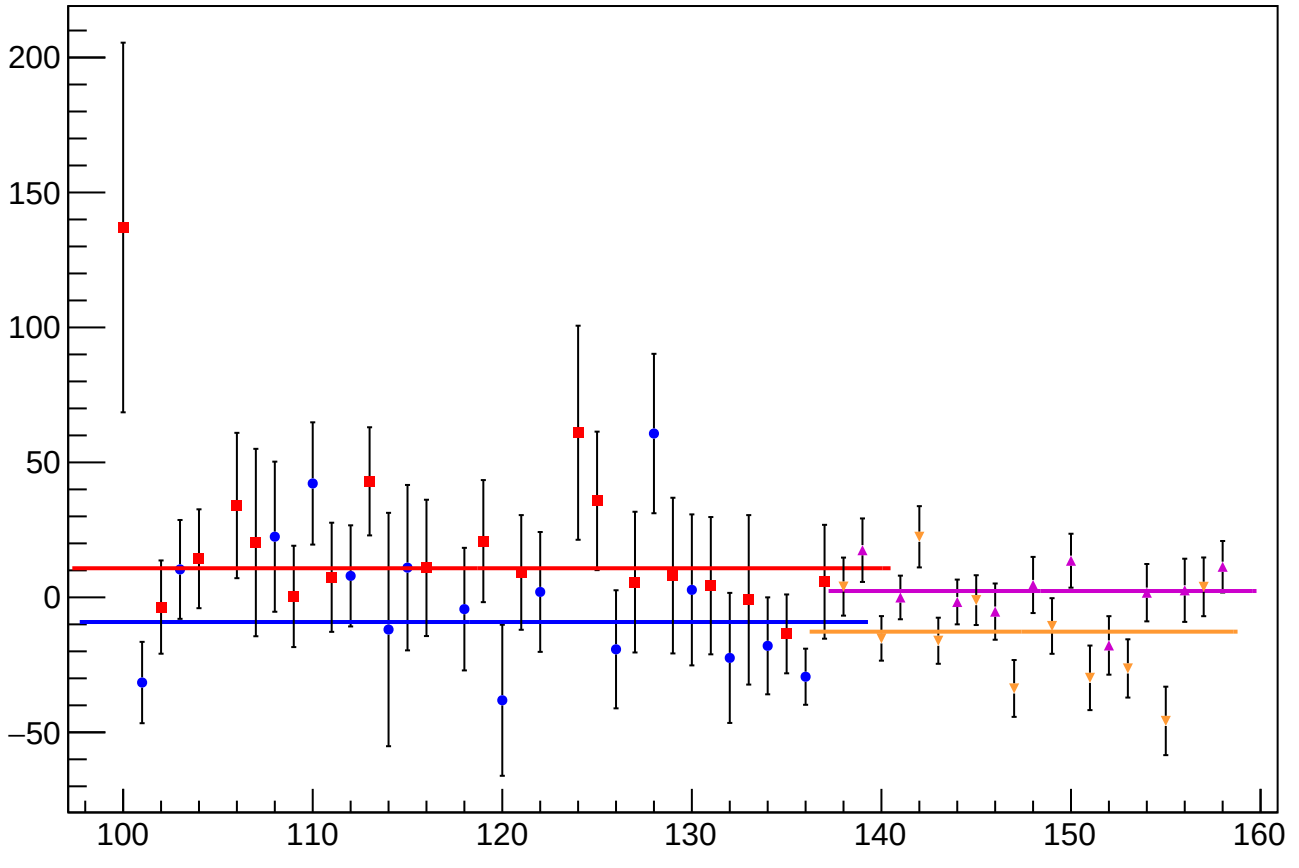
Left: 412.480+/-0.071 χ^2/NDF: 698157.7/20

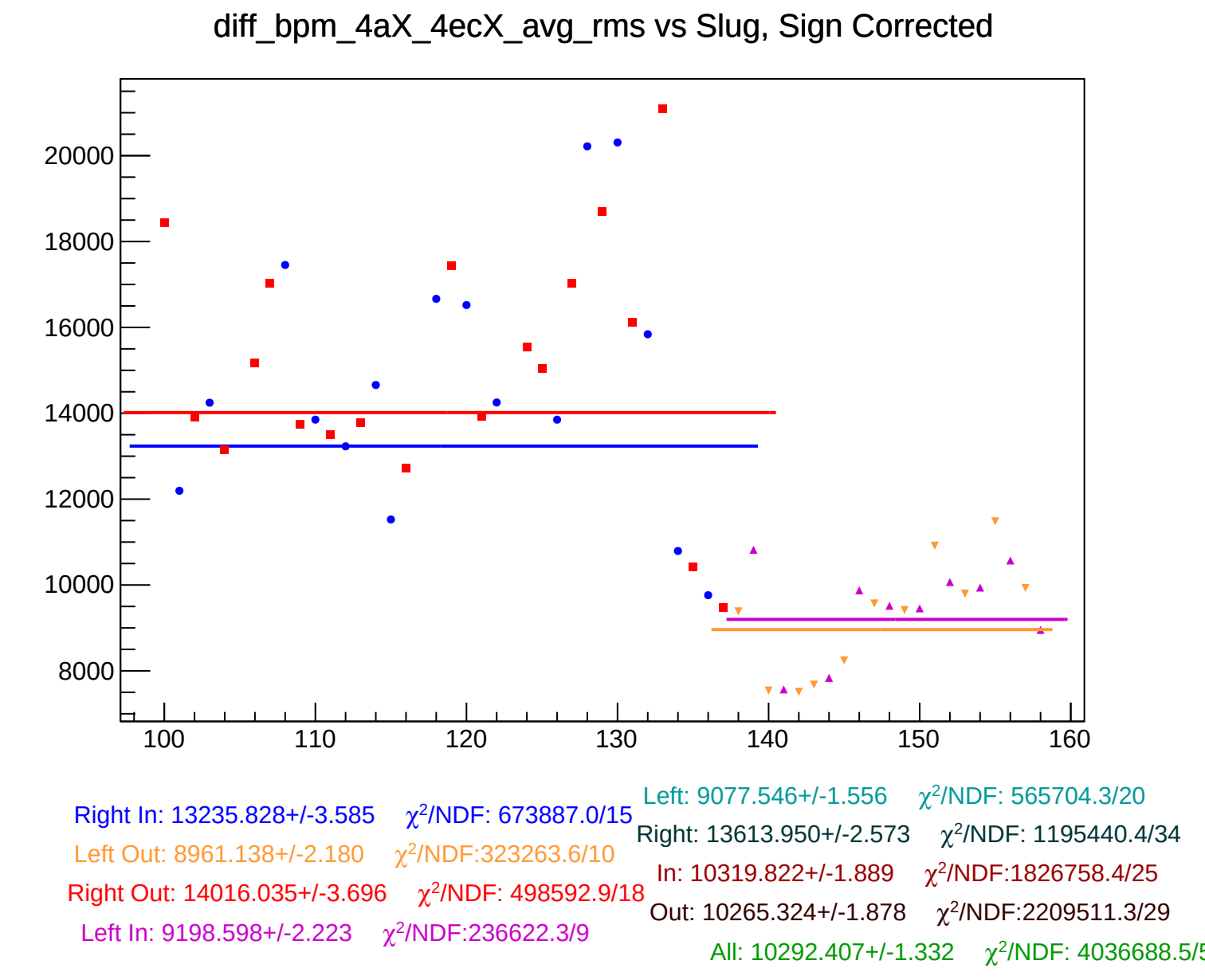
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

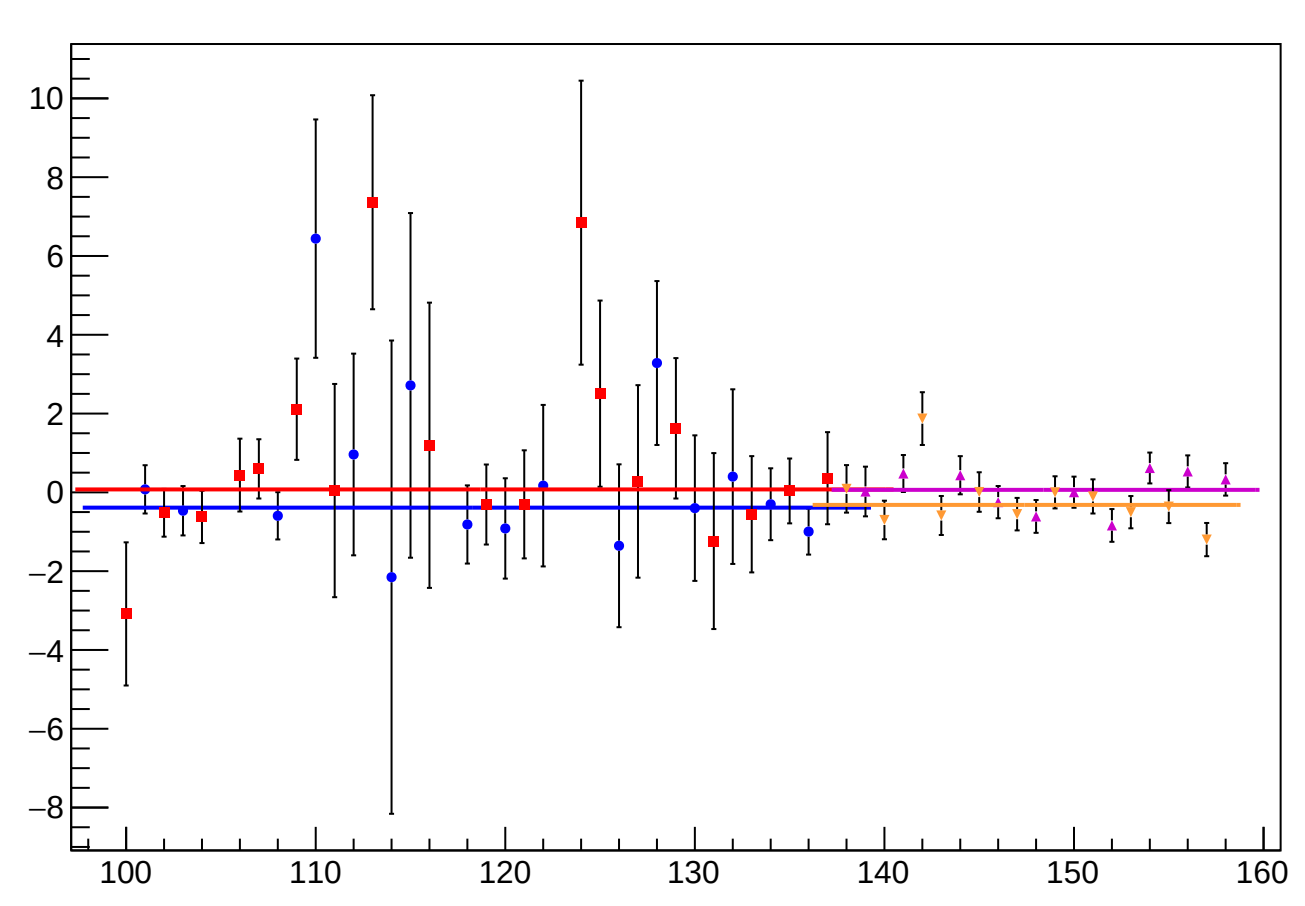
In: 445.532+/-0.086 χ^2/NDF:4435004.5/25

Out: 456.585+/-0.088 χ^2/NDF:4450594.5/29

All: 450.917+/-0.061 χ^2/NDF: 8893740.3/55


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -12.706+/-3.082 χ²/NDF:30.7/10
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 2.354+/-3.143 χ²/NDF:8.2/9
Left: -5.323+/-2.201 χ²/NDF: 50.5/20
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -0.835+/-2.671 χ²/NDF:34.6/25
Out: -6.644+/-2.655 χ²/NDF:59.3/29
All: -3.757+/-1.883 χ²/NDF: 96.3/55


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8961.138+/-2.180 χ²/NDF:323263.6/10
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9198.598+/-2.223 χ²/NDF:236622.3/9
Left: 9077.546+/-1.556 χ²/NDF: 565704.3/20
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10319.822+/-1.889 χ²/NDF:1826758.4/25
Out: 10265.324+/-1.878 χ²/NDF:2209511.3/29
All: 10292.407+/-1.332 χ²/NDF: 4036688.5/5



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.318+/-0.139 χ^2/NDF:18.2/10

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.064+/-0.136 χ^2/NDF:13.1/9

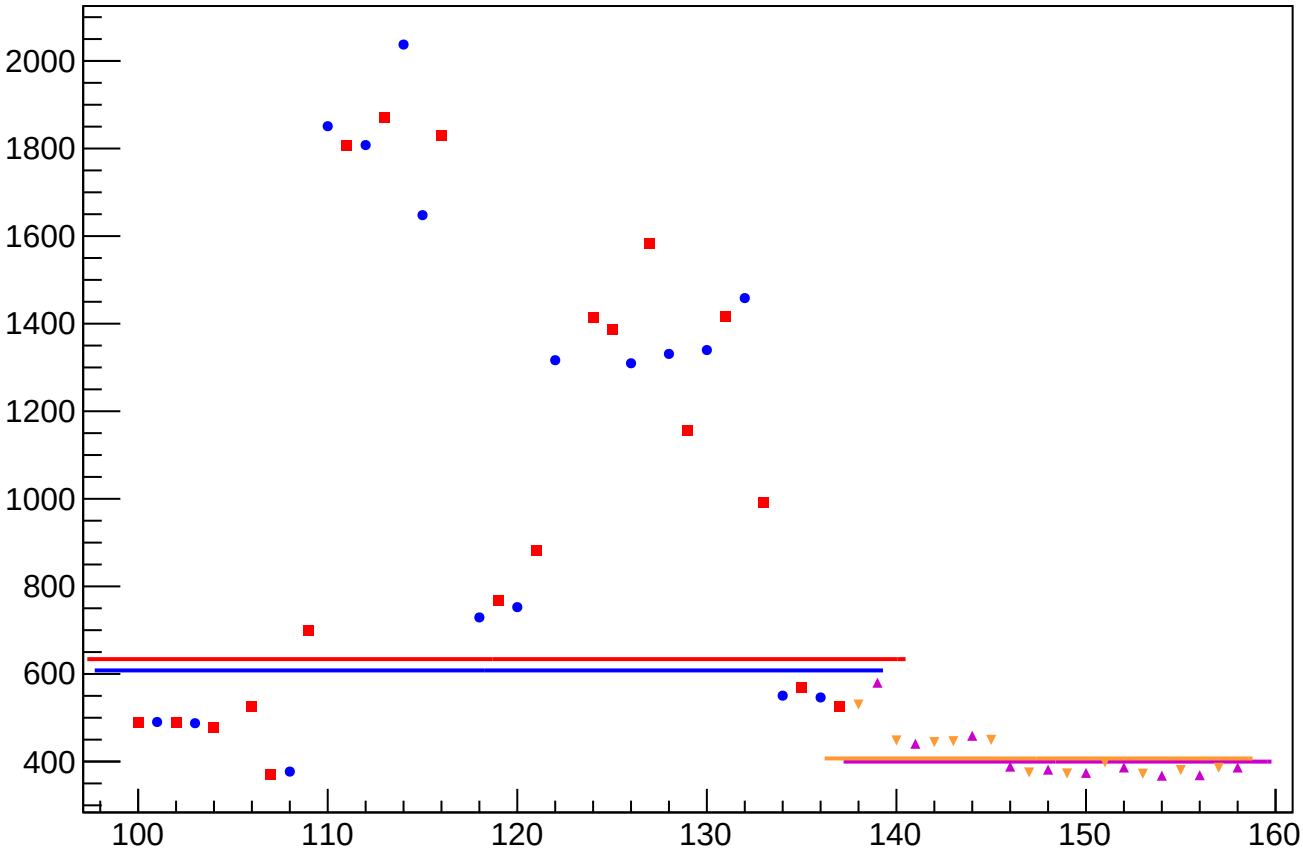
Left: -0.124+/-0.097 χ^2/NDF: 35.1/20

Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.036+/-0.120 χ^2/NDF:27.2/25

Out: -0.233+/-0.123 χ^2/NDF:41.6/29

All: -0.133+/-0.086 χ^2/NDF: 70.1/55



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 407.058+/-0.098 χ^2/NDF:185248.9/10

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 399.823+/-0.096 χ^2/NDF:251301.1/9

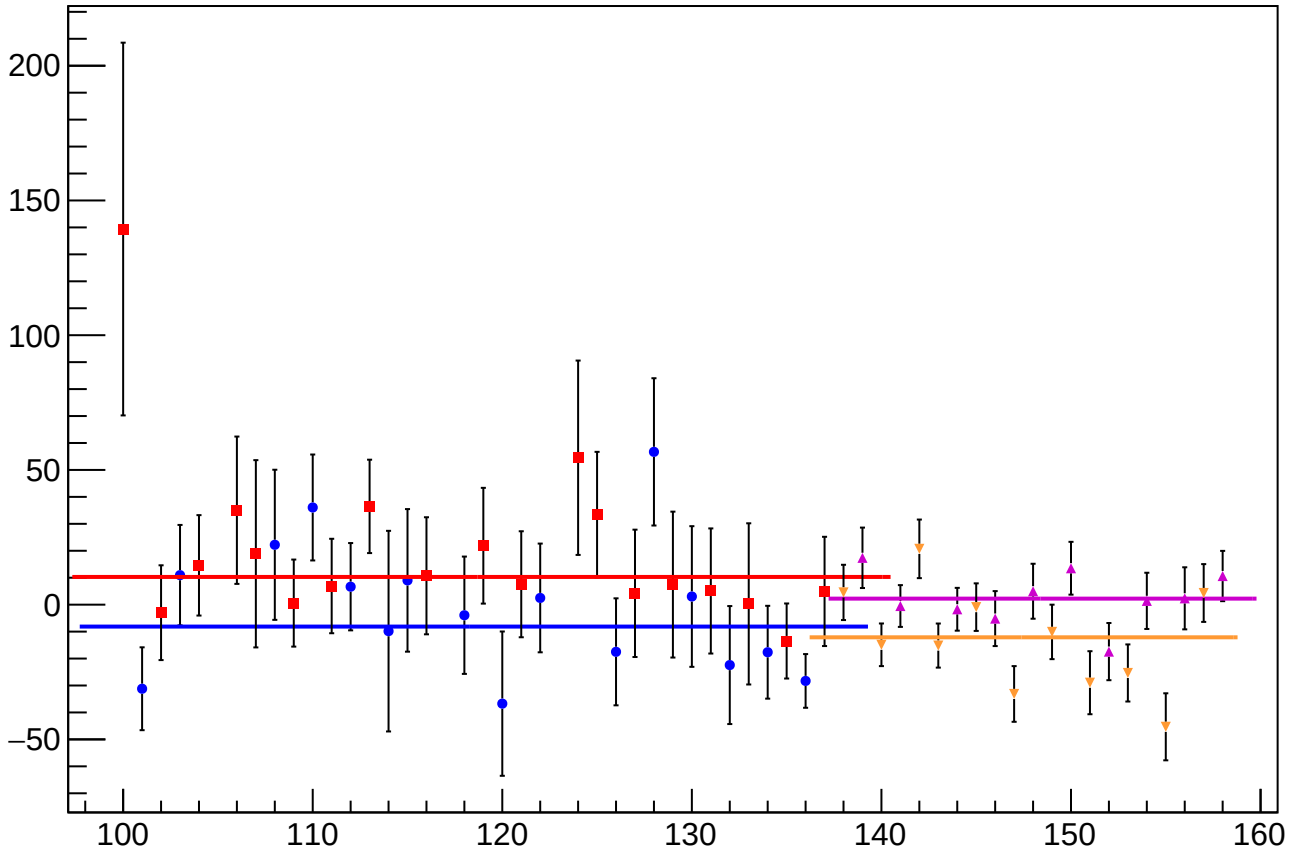
Left: 403.371+/-0.069 χ^2/NDF: 439308.3/20

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 445.969+/-0.085 χ^2/NDF:4136529.5/25

Out: 456.176+/-0.087 χ^2/NDF:4125841.4/29

All: 450.958+/-0.061 χ^2/NDF: 8269400.6/55



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -12.117+/-2.985 χ^2/NDF:30.9/10

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 2.239+/-3.054 χ^2/NDF:8.4/9

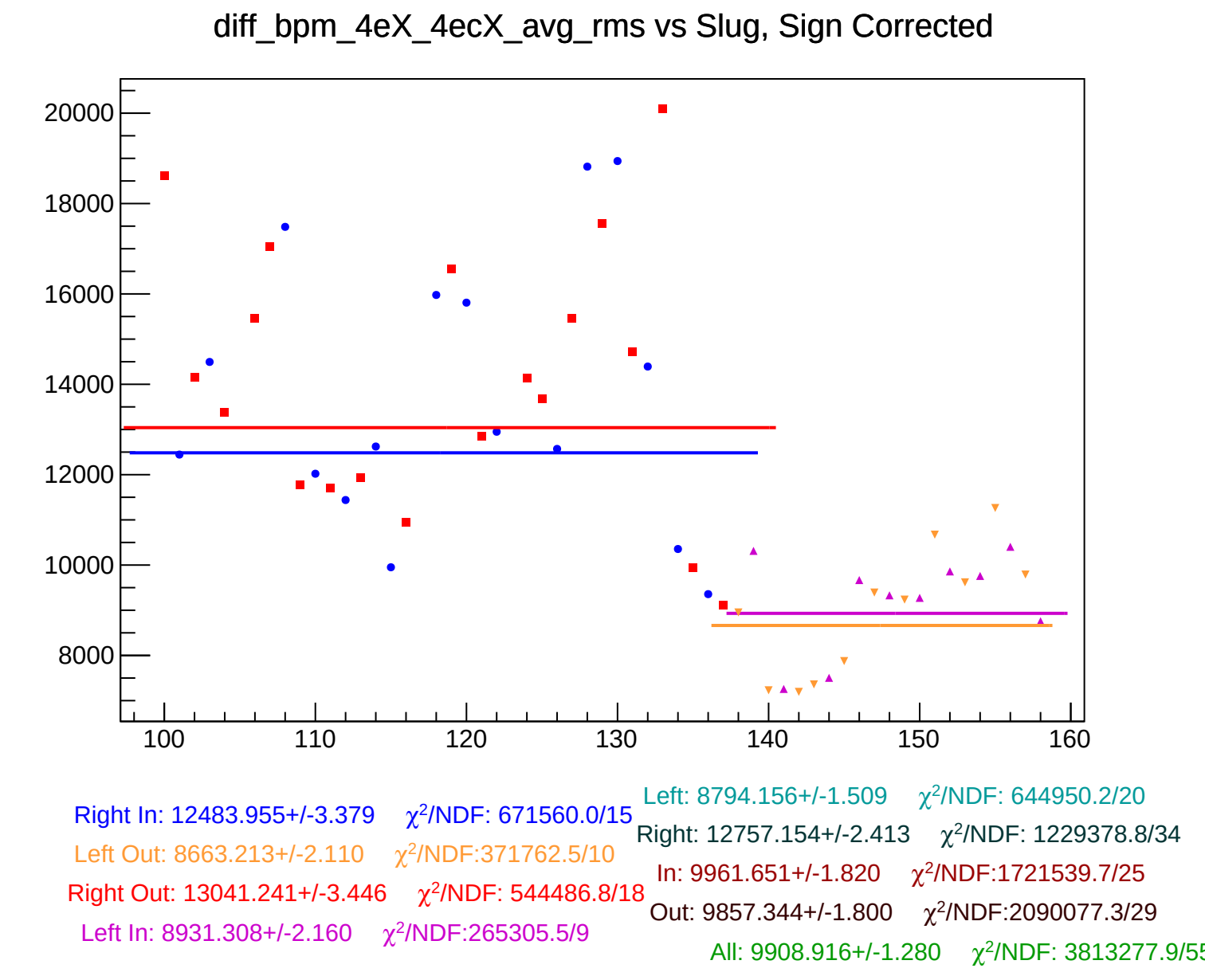
Left: -5.105+/-2.135 χ^2/NDF: 50.6/20

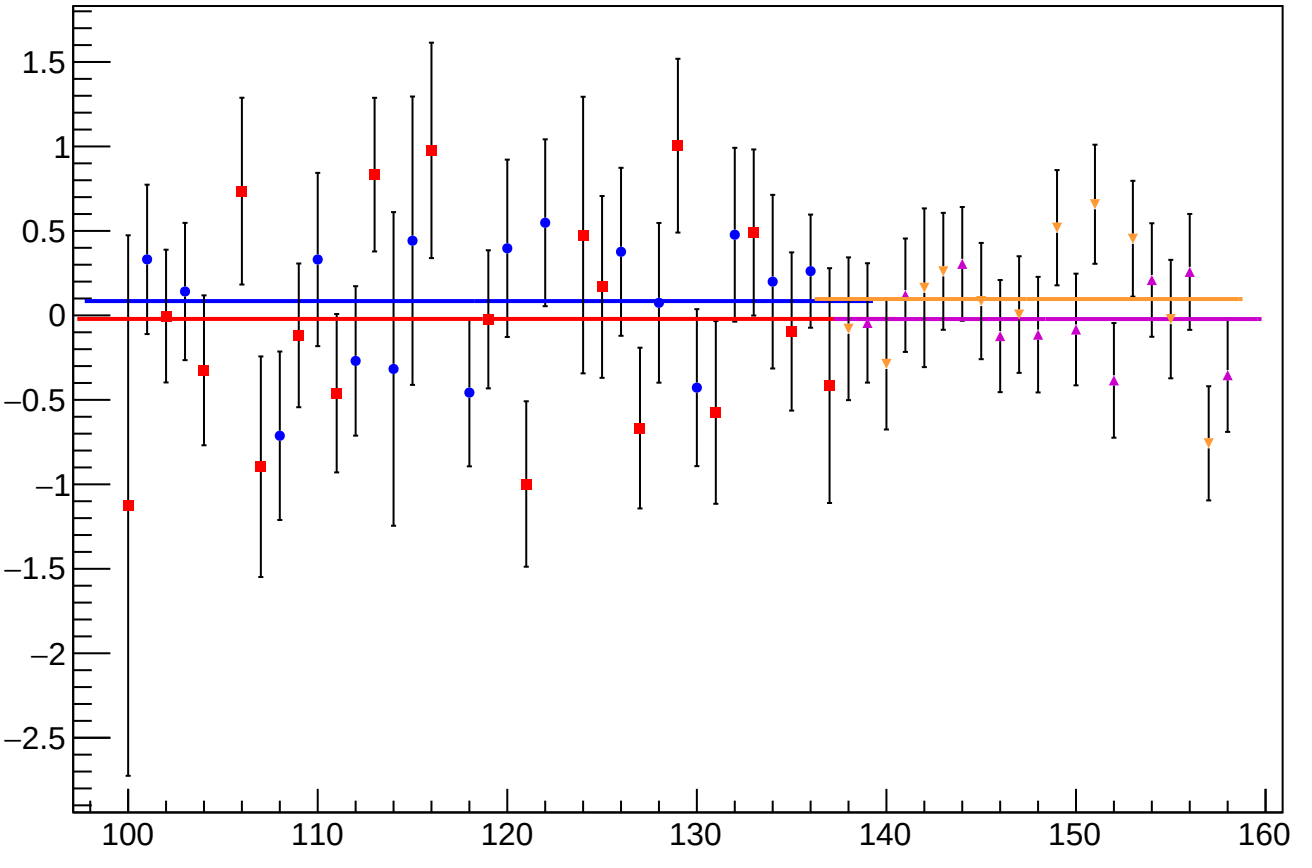
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -0.769+/-2.574 χ^2/NDF:34.8/25

Out: -6.006+/-2.545 χ^2/NDF:60.0/29

All: -3.417+/-1.810 χ^2/NDF: 96.9/55


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8663.213+/-2.110 χ²/NDF:371762.5/10
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8931.308+/-2.160 χ²/NDF:265305.5/9
Left: 8794.156+/-1.509 χ²/NDF: 644950.2/20
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9961.651+/-1.820 χ²/NDF:1721539.7/25
Out: 9857.344+/-1.800 χ²/NDF:2090077.3/29
All: 9908.916+/-1.280 χ²/NDF: 3813277.9/55



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.097+/-0.109 χ^2/NDF:13.1/10

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.022+/-0.107 χ^2/NDF:4.6/9

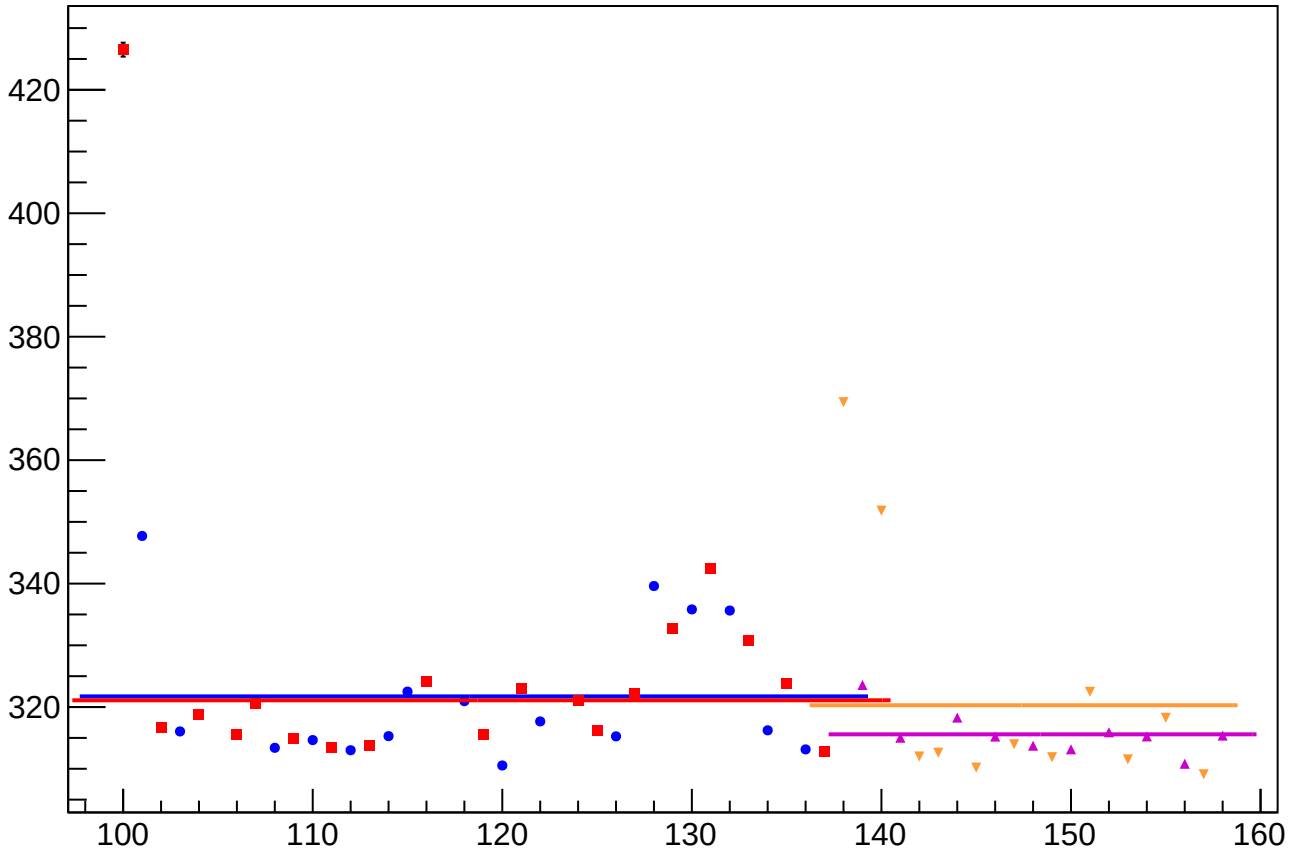
Left: 0.036+/-0.076 χ^2/NDF: 18.3/20

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.025+/-0.080 χ^2/NDF:14.4/25

Out: 0.042+/-0.080 χ^2/NDF:38.0/29

All: 0.034+/-0.057 χ^2/NDF: 52.4/55



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 320.291+/-0.077 χ^2/NDF:49075.3/10

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 315.580+/-0.076 χ^2/NDF:1719.6/9

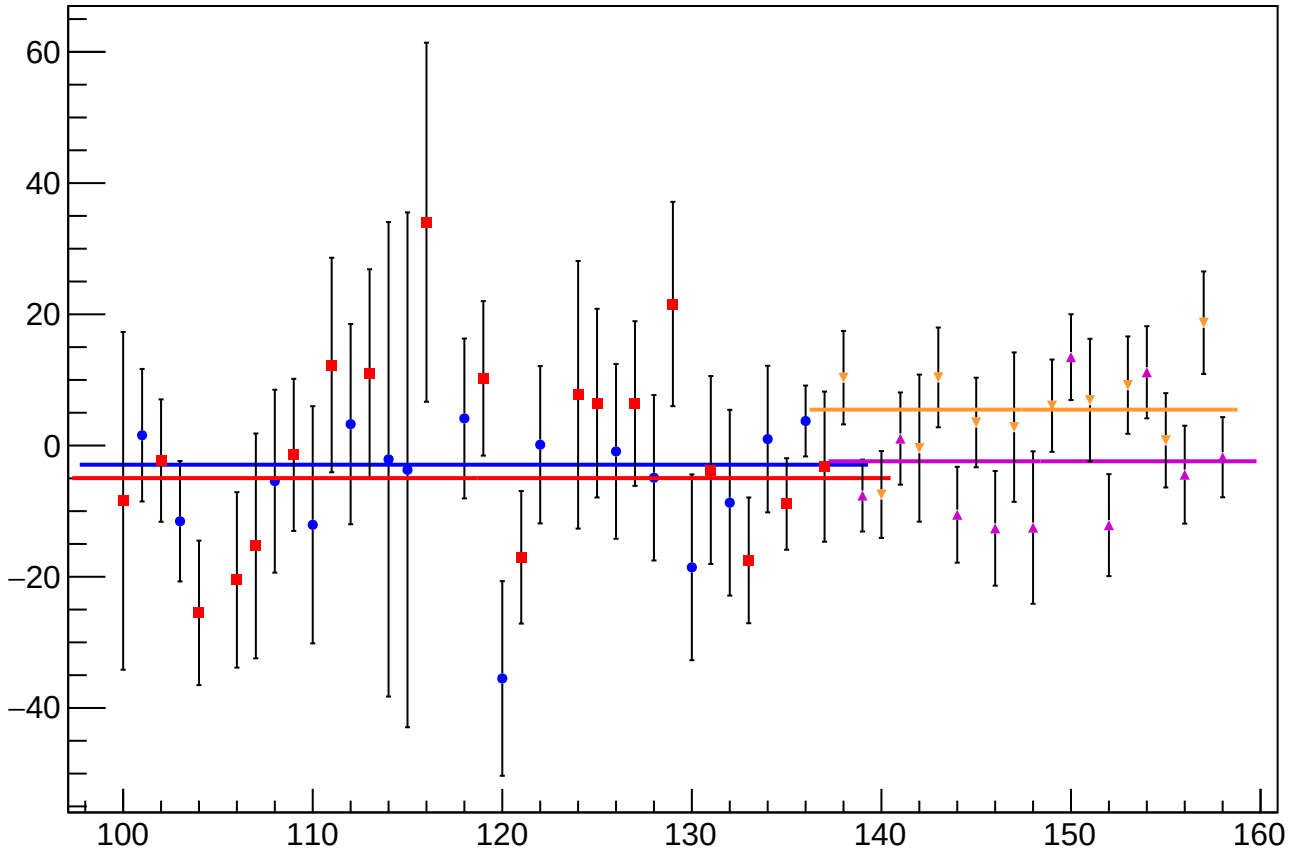
Left: 317.888+/-0.054 χ^2/NDF: 52696.1/20

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 318.297+/-0.056 χ^2/NDF:22855.1/25

Out: 320.662+/-0.057 χ^2/NDF:65704.6/29

All: 319.479+/-0.040 χ^2/NDF: 89435.0/55



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 5.472+/-2.340 χ^2/NDF:8.7/10

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -2.400+/-2.249 χ^2/NDF:15.8/9

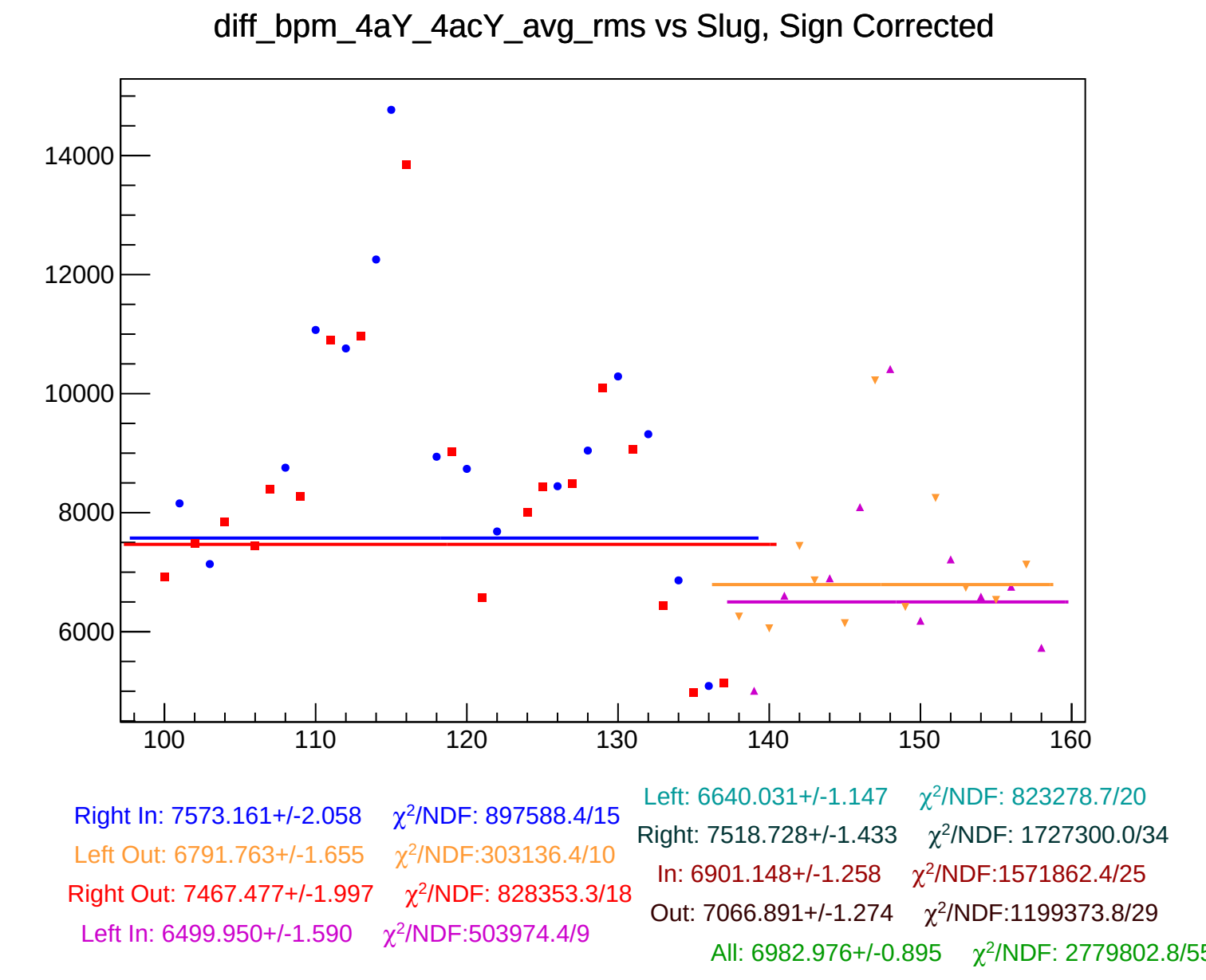
Left: 1.378+/-1.622 χ^2/NDF: 30.4/20

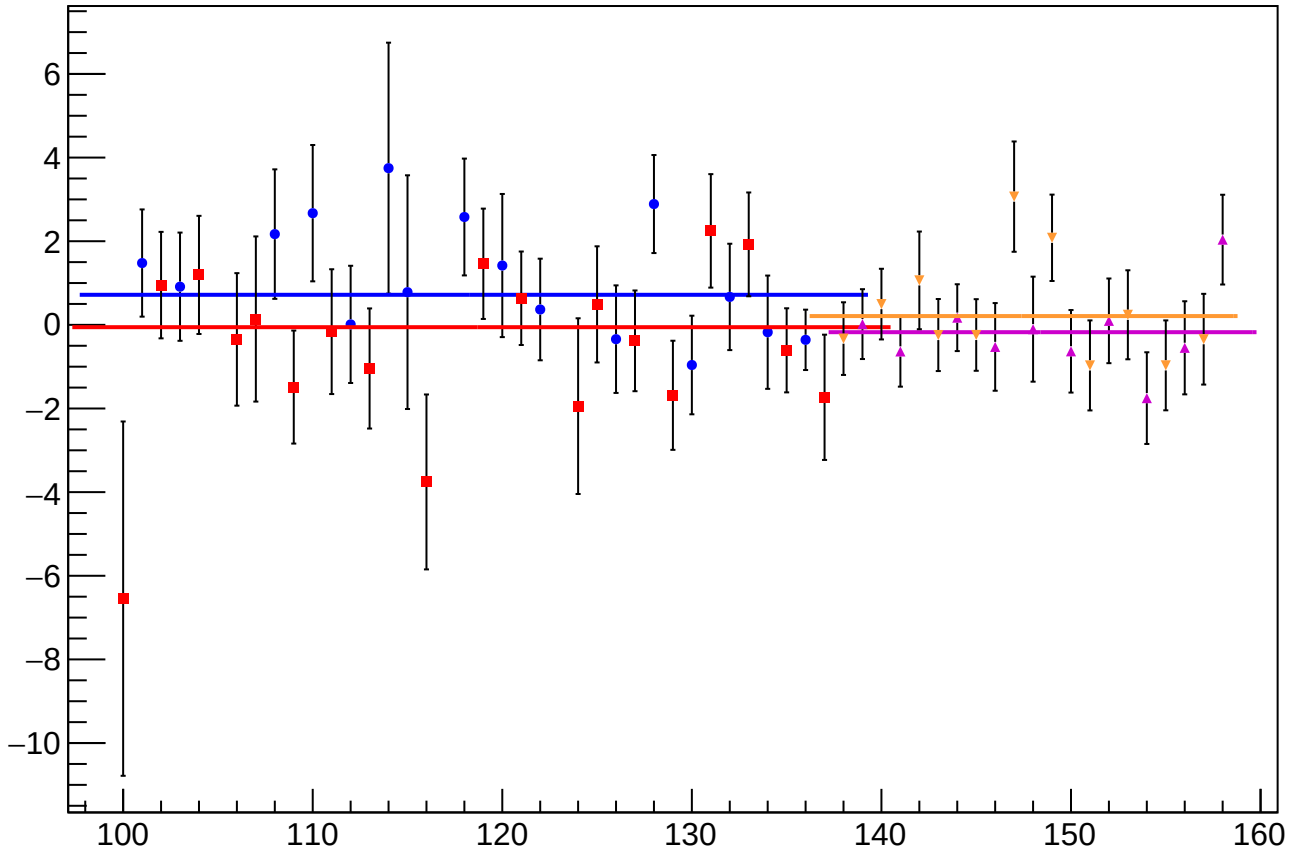
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -2.595+/-1.779 χ^2/NDF:25.7/25

Out: 1.222+/-1.802 χ^2/NDF:36.2/29

All: -0.711+/-1.266 χ^2/NDF: 64.1/55


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6791.763+/-1.655 χ²/NDF:303136.4/10
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6499.950+/-1.590 χ²/NDF:503974.4/9
Left: 6640.031+/-1.147 χ²/NDF: 823278.7/20
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6901.148+/-1.258 χ²/NDF:1571862.4/25
Out: 7066.891+/-1.274 χ²/NDF:1199373.8/29
All: 6982.976+/-0.895 χ²/NDF: 2779802.8/55



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.210+/-0.300 χ^2/NDF:12.2/10

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.175+/-0.309 χ^2/NDF:7.4/9

Left: 0.023+/-0.215 χ^2/NDF: 20.4/20

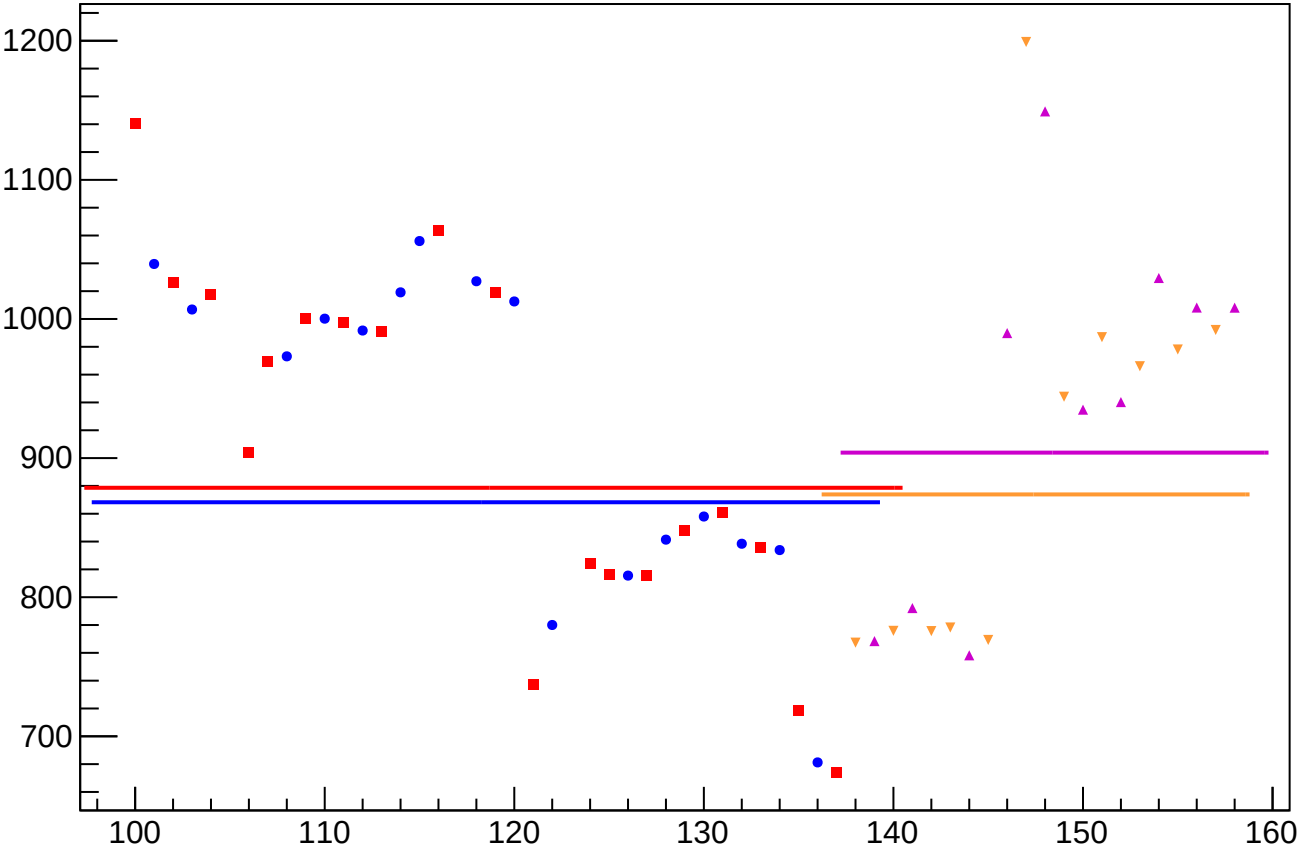
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.248+/-0.224 χ^2/NDF:26.1/25

Out: 0.087+/-0.220 χ^2/NDF:32.4/29

All: 0.166+/-0.157 χ^2/NDF: 58.8/55

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 873.884+/-0.212 χ^2/NDF:336191.2/10

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 903.931+/-0.219 χ^2/NDF:311283.1/9

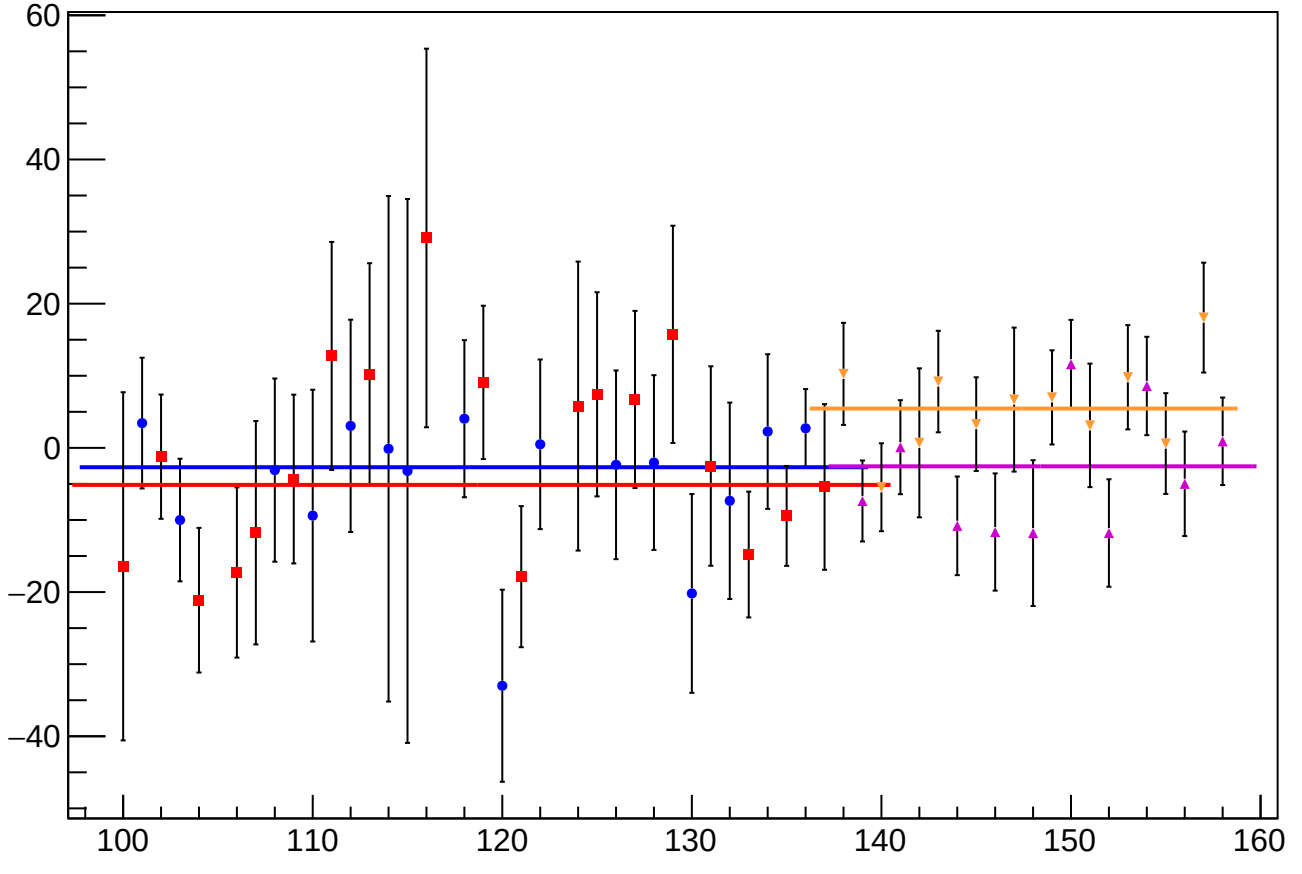
Left: 888.434+/-0.152 χ^2/NDF: 657219.6/20

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 887.034+/-0.159 χ^2/NDF:626309.5/25

Out: 876.089+/-0.155 χ^2/NDF:608956.5/29

All: 881.449+/-0.111 χ^2/NDF: 1237696.4/55



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 5.456+/-2.214 χ^2/NDF:8.0/10

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -2.560+/-2.164 χ^2/NDF:14.4/9

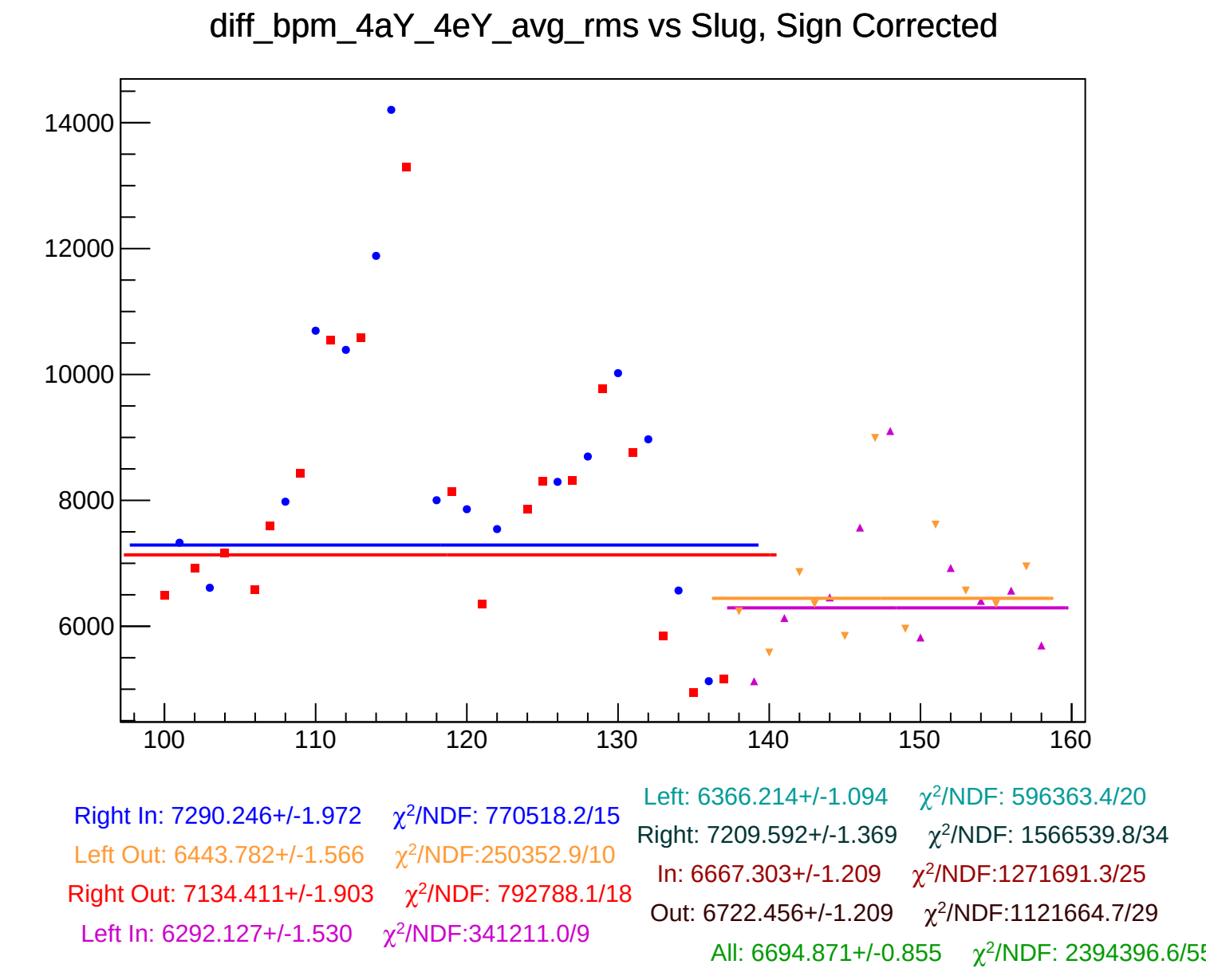
Left: 1.356+/-1.547 χ^2/NDF: 29.1/20

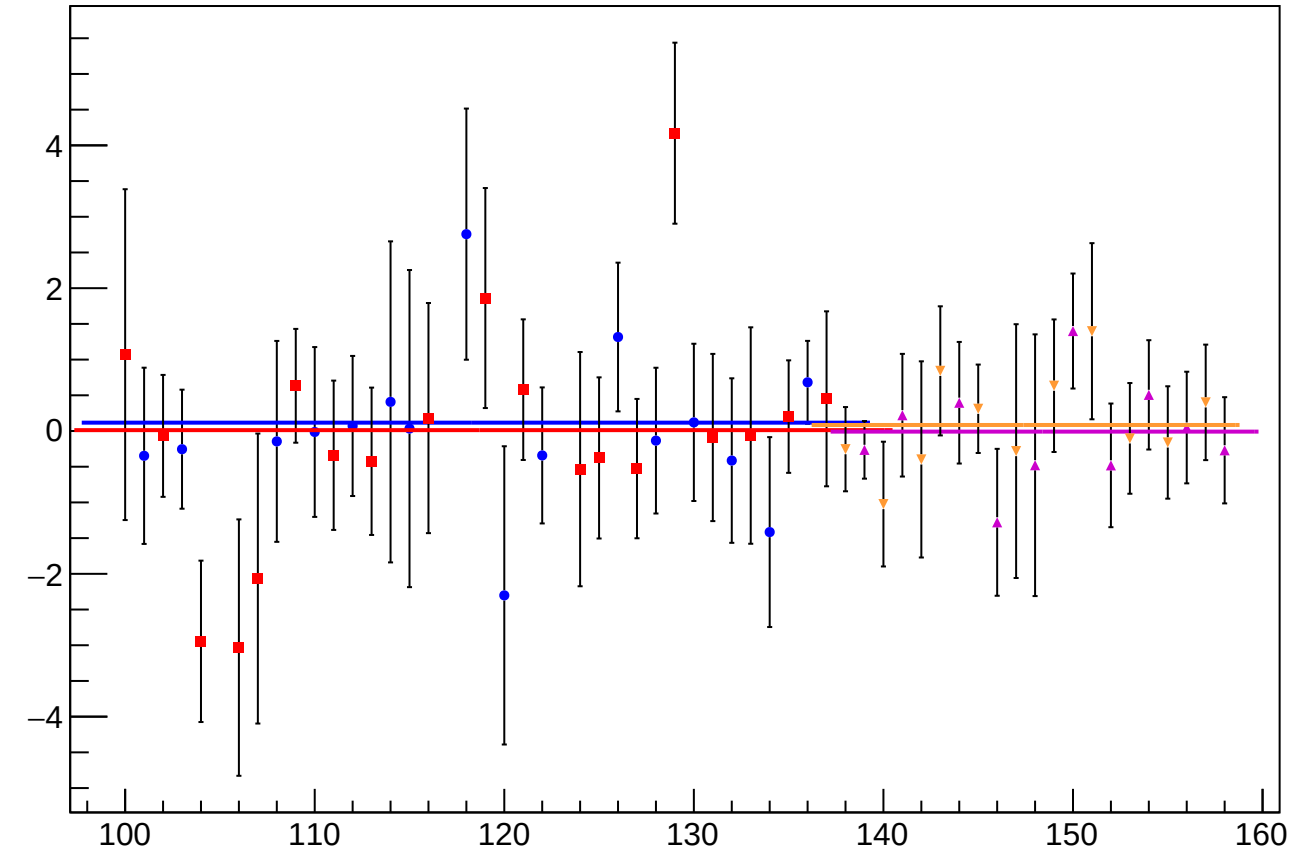
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.606+/-1.709 χ^2/NDF:24.5/25

Out: 1.182+/-1.710 χ^2/NDF:34.5/29

All: -0.713+/-1.209 χ^2/NDF: 61.4/55


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6443.782+/-1.566 χ²/NDF:250352.9/10
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6292.127+/-1.530 χ²/NDF:341211.0/9
Left: 6366.214+/-1.094 χ²/NDF: 596363.4/20
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6667.303+/-1.209 χ²/NDF:1271691.3/25
Out: 6722.456+/-1.209 χ²/NDF:1121664.7/29
All: 6694.871+/-0.855 χ²/NDF: 2394396.6/55



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.084+/-0.254 χ^2/NDF:4.7/10

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.009+/-0.235 χ^2/NDF:6.2/9

Left: 0.034+/-0.172 χ^2/NDF: 11.0/20

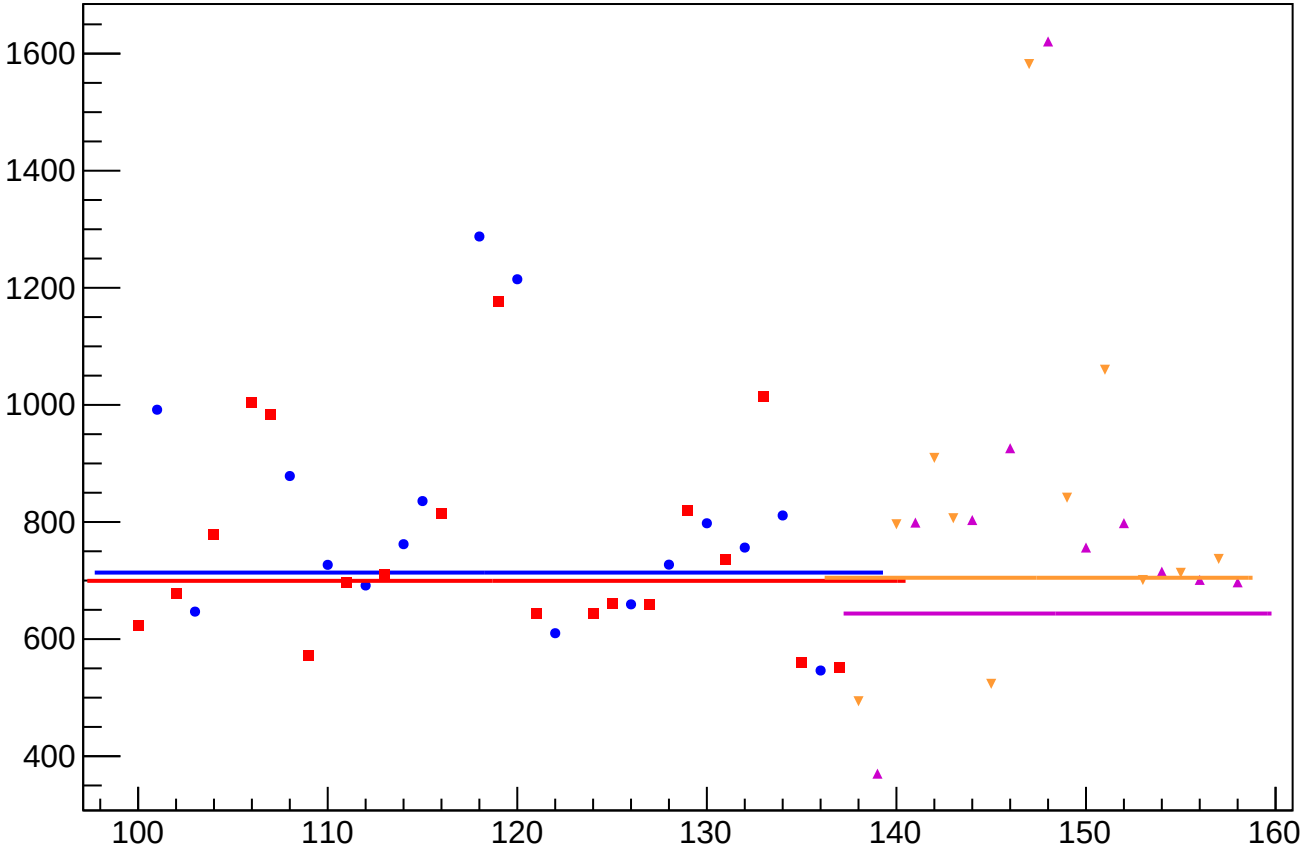
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.045+/-0.178 χ^2/NDF:14.5/25

Out: 0.050+/-0.183 χ^2/NDF:29.9/29

All: 0.047+/-0.128 χ^2/NDF: 44.4/55

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 704.768+/-0.180 χ^2/NDF:1219073.6/10

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 643.664+/-0.166 χ^2/NDF:1916215.3/9

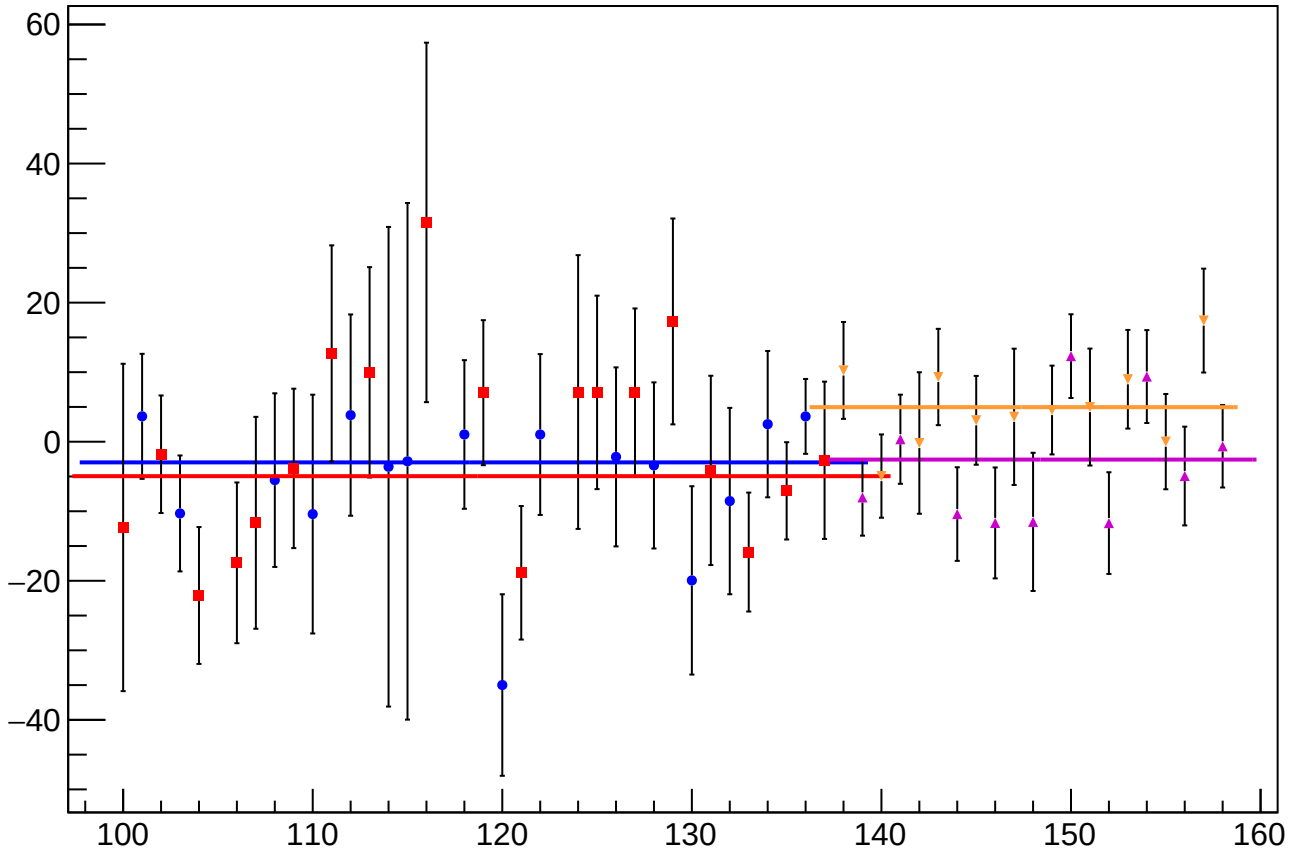
Left: 671.798+/-0.122 χ^2/NDF: 3197706.2/20

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 673.377+/-0.126 χ^2/NDF:2690997.8/25

Out: 702.228+/-0.129 χ^2/NDF:1795247.9/29

All: 687.420+/-0.090 χ^2/NDF: 4511815.5/55



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.968+/-2.173 χ^2/NDF:7.7/10

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -2.569+/-2.121 χ^2/NDF:15.7/9

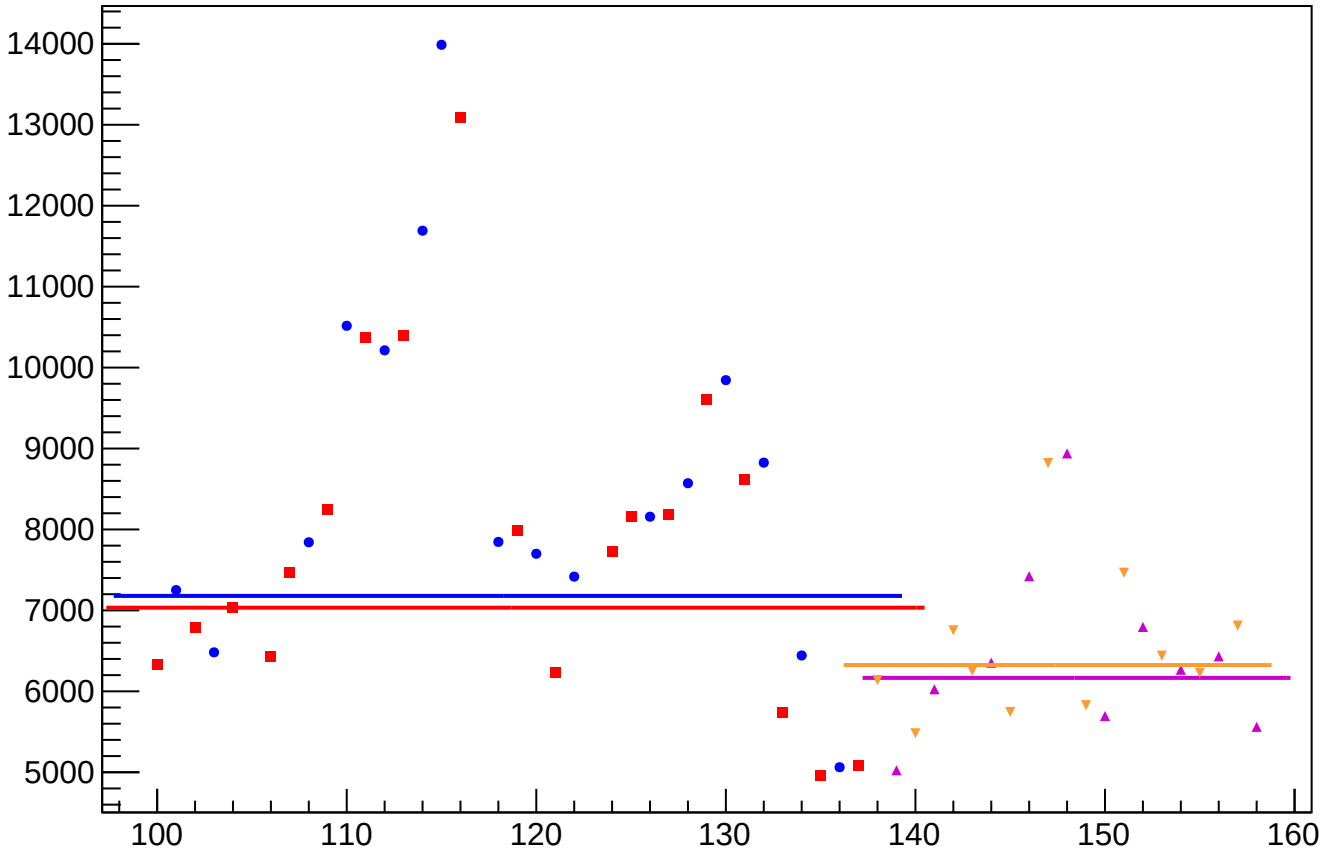
Left: 1.107+/-1.518 χ^2/NDF: 29.6/20

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.720+/-1.679 χ^2/NDF:27.3/25

Out: 0.983+/-1.681 χ^2/NDF:34.5/29

All: -0.872+/-1.188 χ^2/NDF: 64.3/55



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6324.822+/-1.537 χ^2/NDF:249432.1/10

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6166.006+/-1.500 χ^2/NDF:345126.6/9

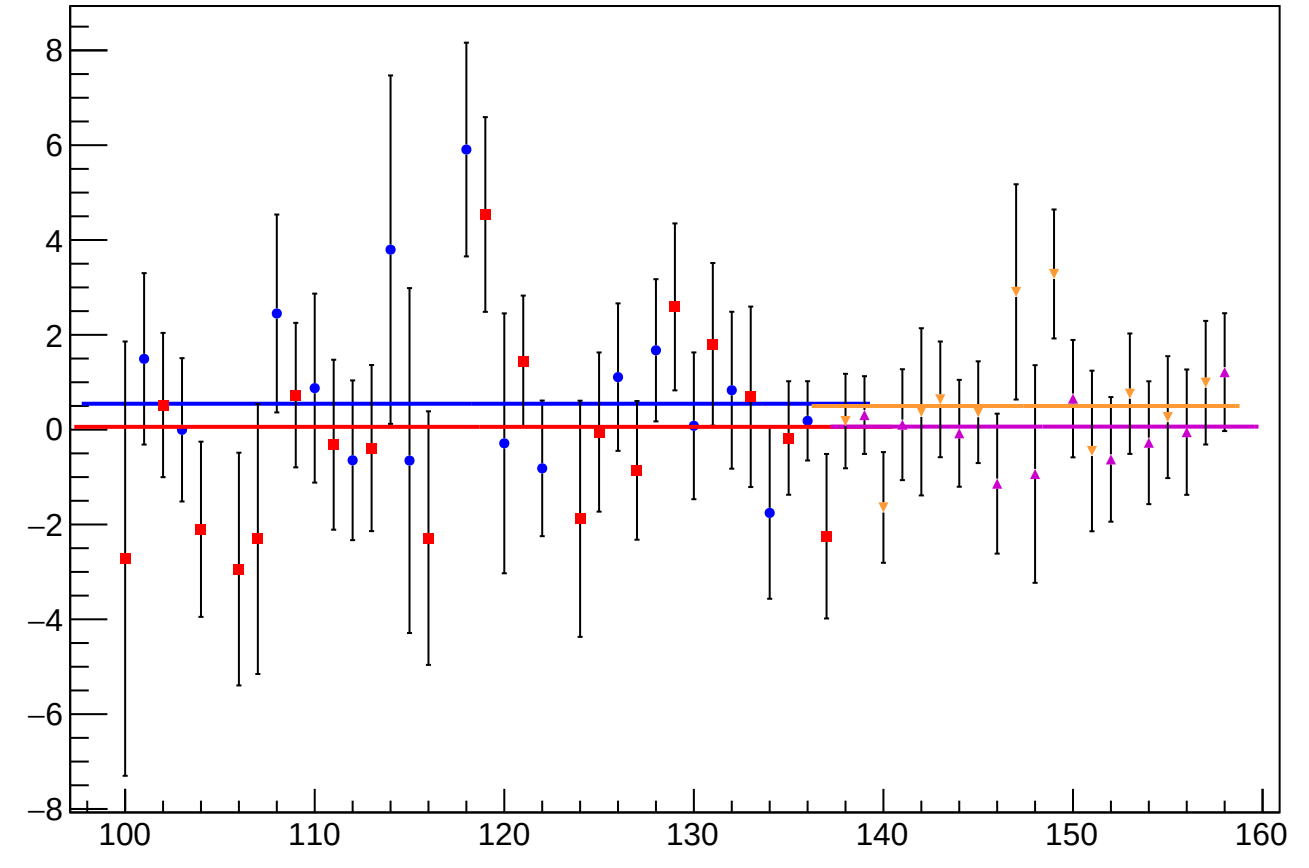
Left: 6243.475+/-1.073 χ^2/NDF: 600028.6/20

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6544.489+/-1.187 χ^2/NDF:1277504.5/25

Out: 6609.424+/-1.189 χ^2/NDF:1101219.0/29

All: 6576.904+/-0.840 χ^2/NDF: 2380217.5/55



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.499+/-0.392 χ^2/NDF:9.3/10

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.064+/-0.386 χ^2/NDF:2.4/9

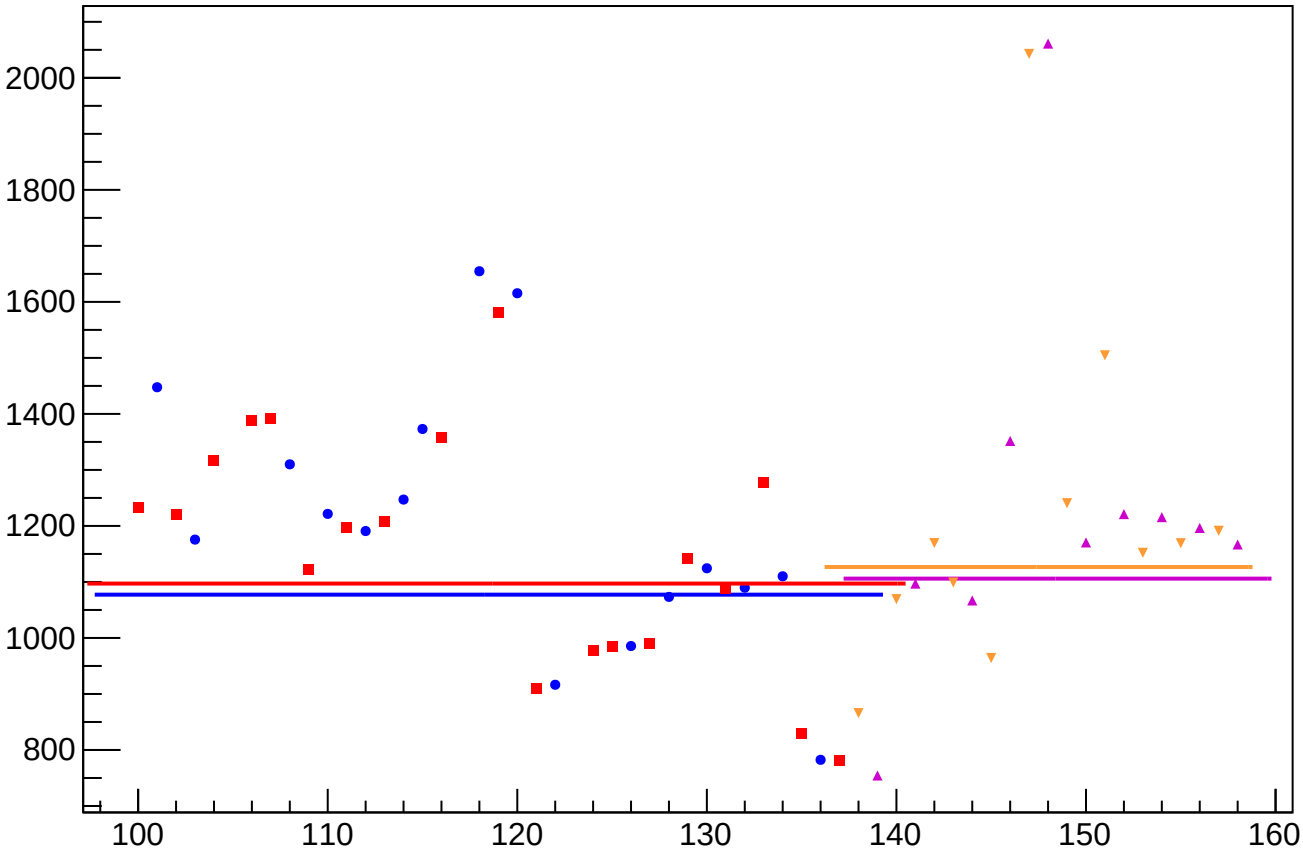
Left: 0.278+/-0.275 χ^2/NDF: 12.4/20

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.291+/-0.281 χ^2/NDF:15.1/25

Out: 0.288+/-0.283 χ^2/NDF:26.8/29

All: 0.290+/-0.200 χ^2/NDF: 41.9/55



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1126.641+/-0.277 χ^2/NDF:637149.1/10

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1105.931+/-0.273 χ^2/NDF:821206.6/9

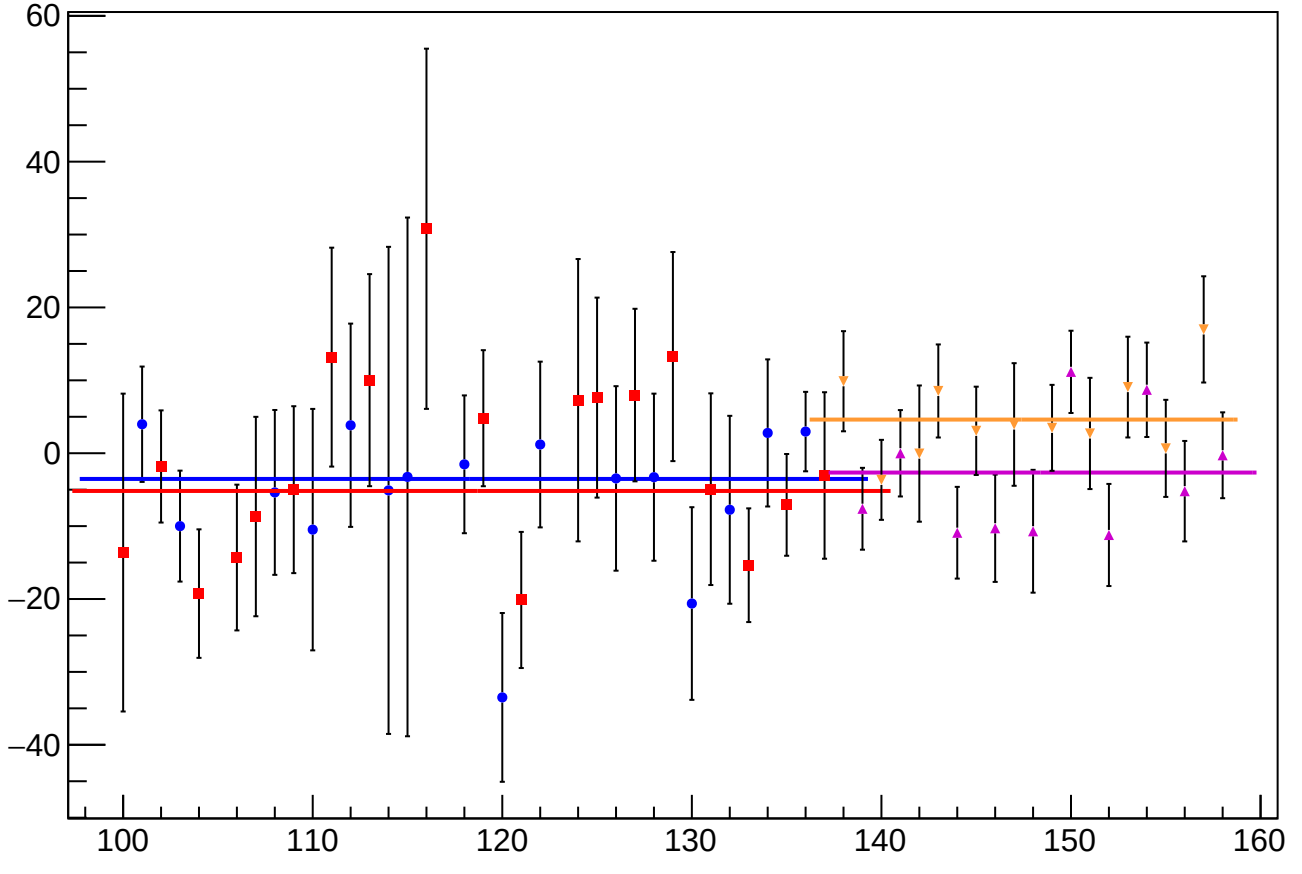
Left: 1116.127+/-0.195 χ^2/NDF: 1461186.1/20

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1092.501+/-0.199 χ^2/NDF:1472881.3/25

Out: 1112.486+/-0.200 χ^2/NDF:1126953.9/29

All: 1102.436+/-0.141 χ^2/NDF: 2604849.2/55



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.616+/-2.041 χ^2/NDF:7.3/10

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -2.653+/-2.026 χ^2/NDF:15.6/9

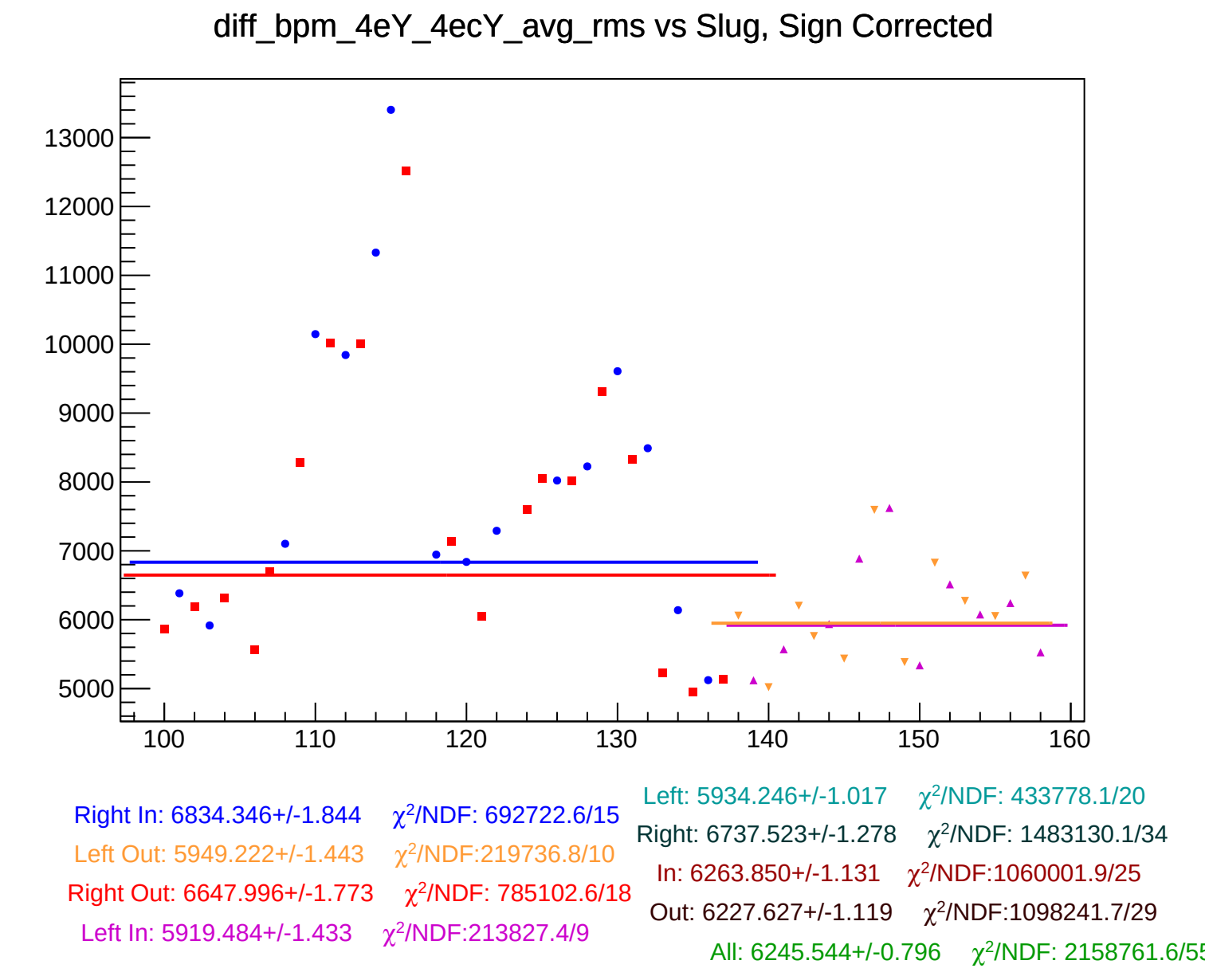
Left: 0.956+/-1.438 χ^2/NDF: 29.3/20

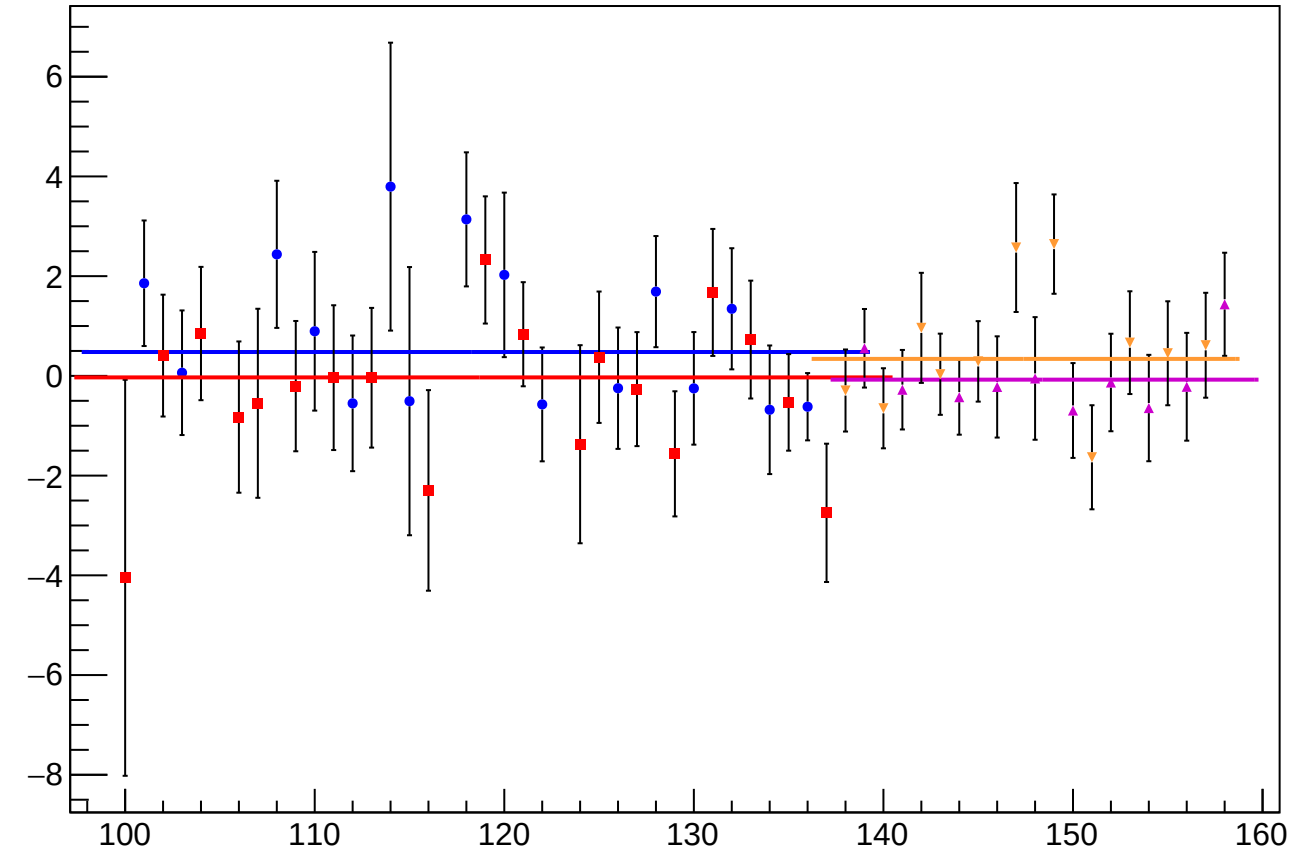
Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.982+/-1.600 χ^2/NDF:28.2/25

Out: 0.715+/-1.583 χ^2/NDF:34.7/29

All: -1.114+/-1.125 χ^2/NDF: 65.6/55


diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
Right In: 6834.346+/-1.844 χ²/NDF: 692722.6/15
Left Out: 5949.222+/-1.443 χ²/NDF:219736.8/10
Right Out: 6647.996+/-1.773 χ²/NDF: 785102.6/18
Left In: 5919.484+/-1.433 χ²/NDF:213827.4/9
Left: 5934.246+/-1.017 χ²/NDF: 433778.1/20
Right: 6737.523+/-1.278 χ²/NDF: 1483130.1/34
In: 6263.850+/-1.131 χ²/NDF:1060001.9/25
Out: 6227.627+/-1.119 χ²/NDF:1098241.7/29
All: 6245.544+/-0.796 χ²/NDF: 2158761.6/55



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.341+/-0.287 χ^2/NDF:14.7/10

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.076+/-0.296 χ^2/NDF:3.8/9

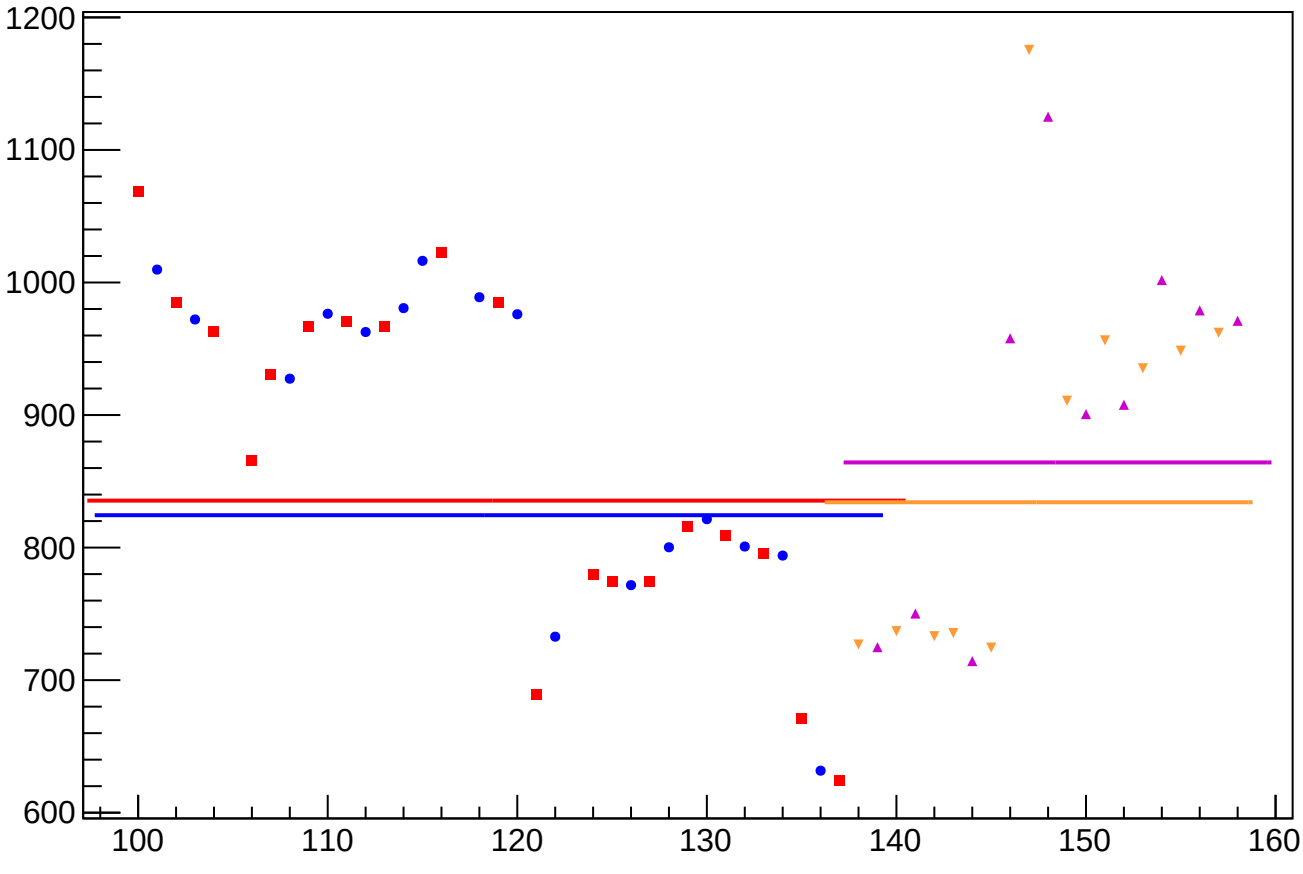
Left: 0.139+/-0.206 χ^2/NDF: 19.5/20

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.188+/-0.214 χ^2/NDF:22.2/25

Out: 0.169+/-0.210 χ^2/NDF:31.1/29

All: 0.178+/-0.150 χ^2/NDF: 53.3/55



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 834.191+/-0.203 χ^2/NDF:397823.3/10

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 864.249+/-0.209 χ^2/NDF:373788.6/9

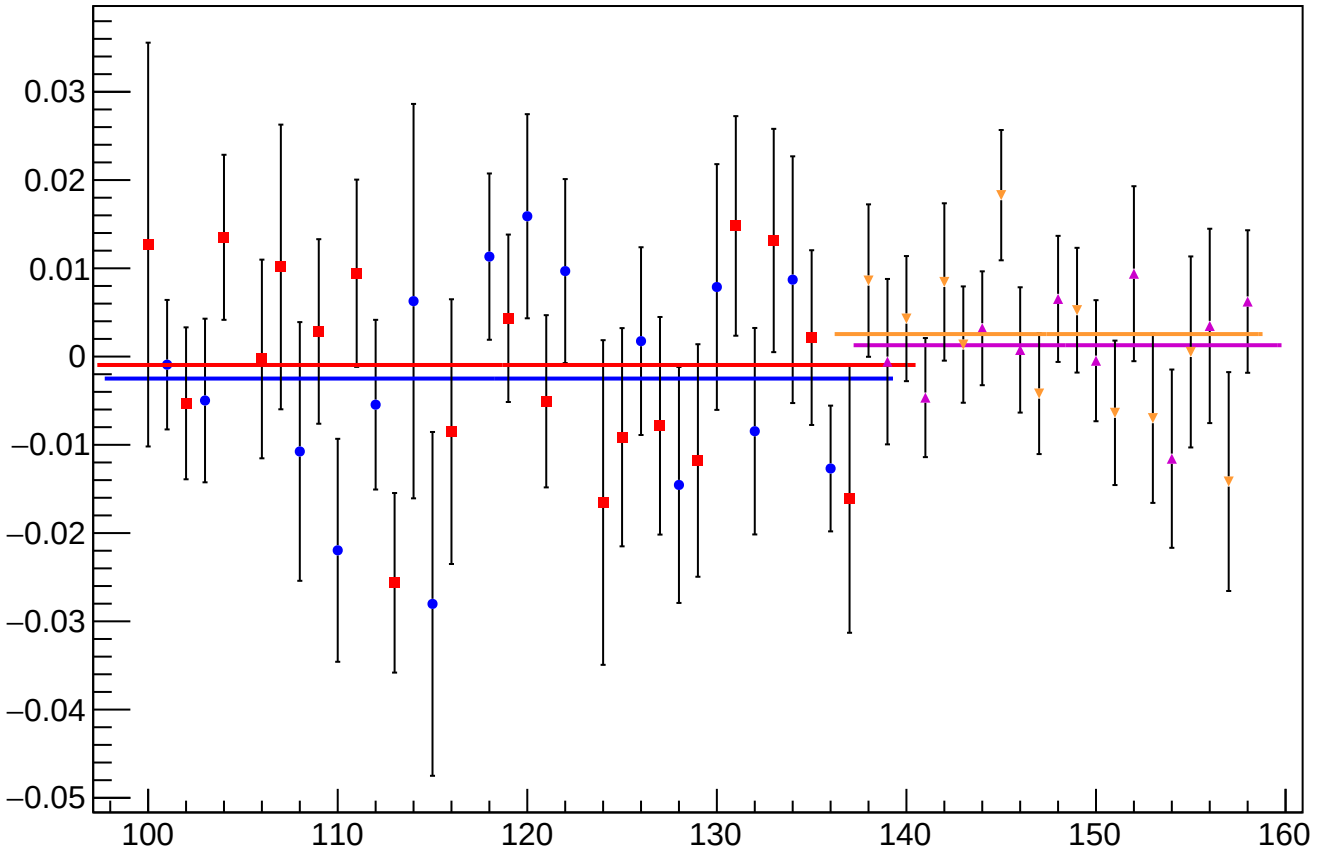
Left: 848.723+/-0.146 χ^2/NDF: 782253.2/20

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 845.299+/-0.152 χ^2/NDF:756455.4/25

Out: 834.768+/-0.148 χ^2/NDF:717142.8/29

All: 839.923+/-0.106 χ^2/NDF: 1476061.6/55



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.003+/-0.002 χ^2/NDF:10.7/10

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.002 χ^2/NDF:4.2/9

Left: 0.002+/-0.002 χ^2/NDF: 15.1/20

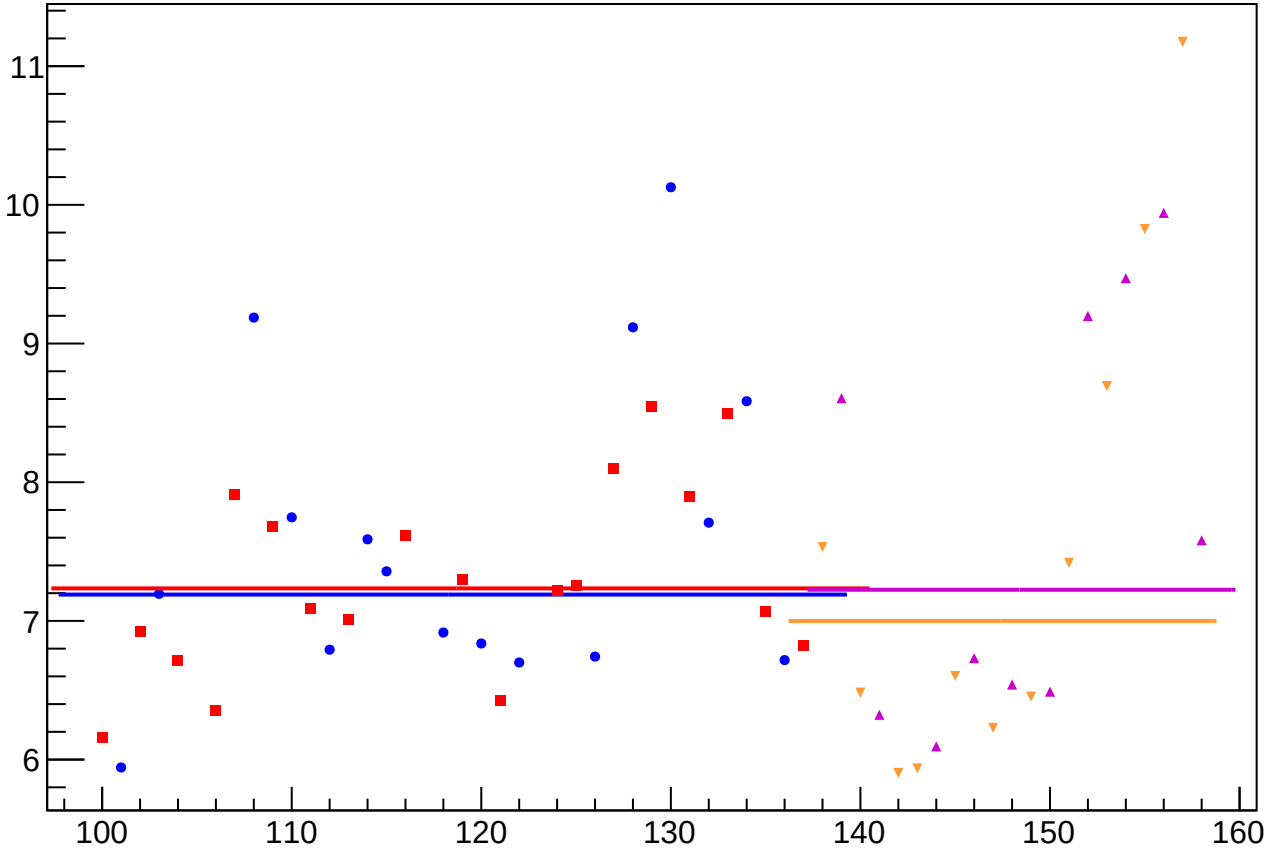
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:20.6/25

Out: 0.001+/-0.002 χ^2/NDF:28.9/29

All: 0.000+/-0.001 χ^2/NDF: 49.8/55

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.999+/-0.002 χ^2/NDF:574028.5/10

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.225+/-0.002 χ^2/NDF:495372.5/9

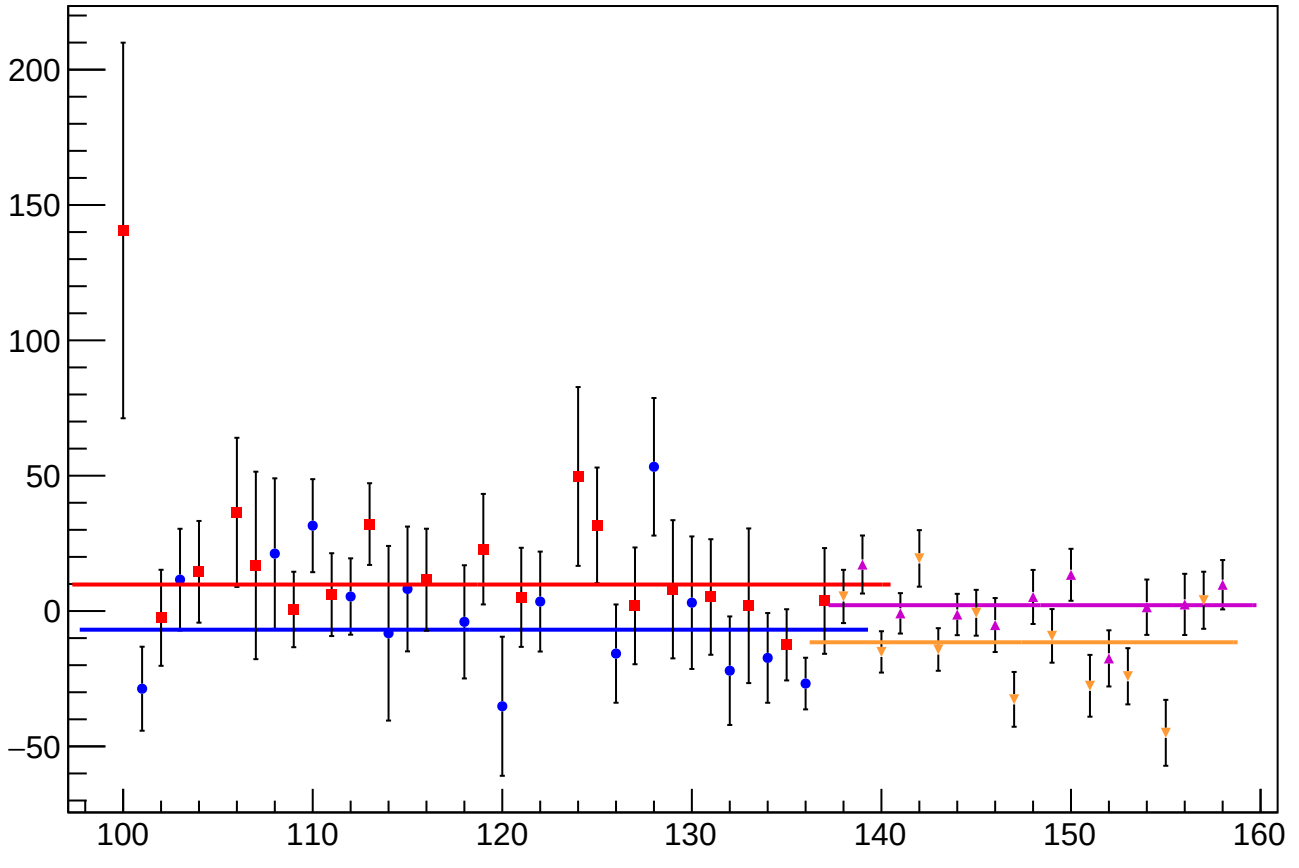
Left: 7.109+/-0.001 χ^2/NDF: 1077822.5/20

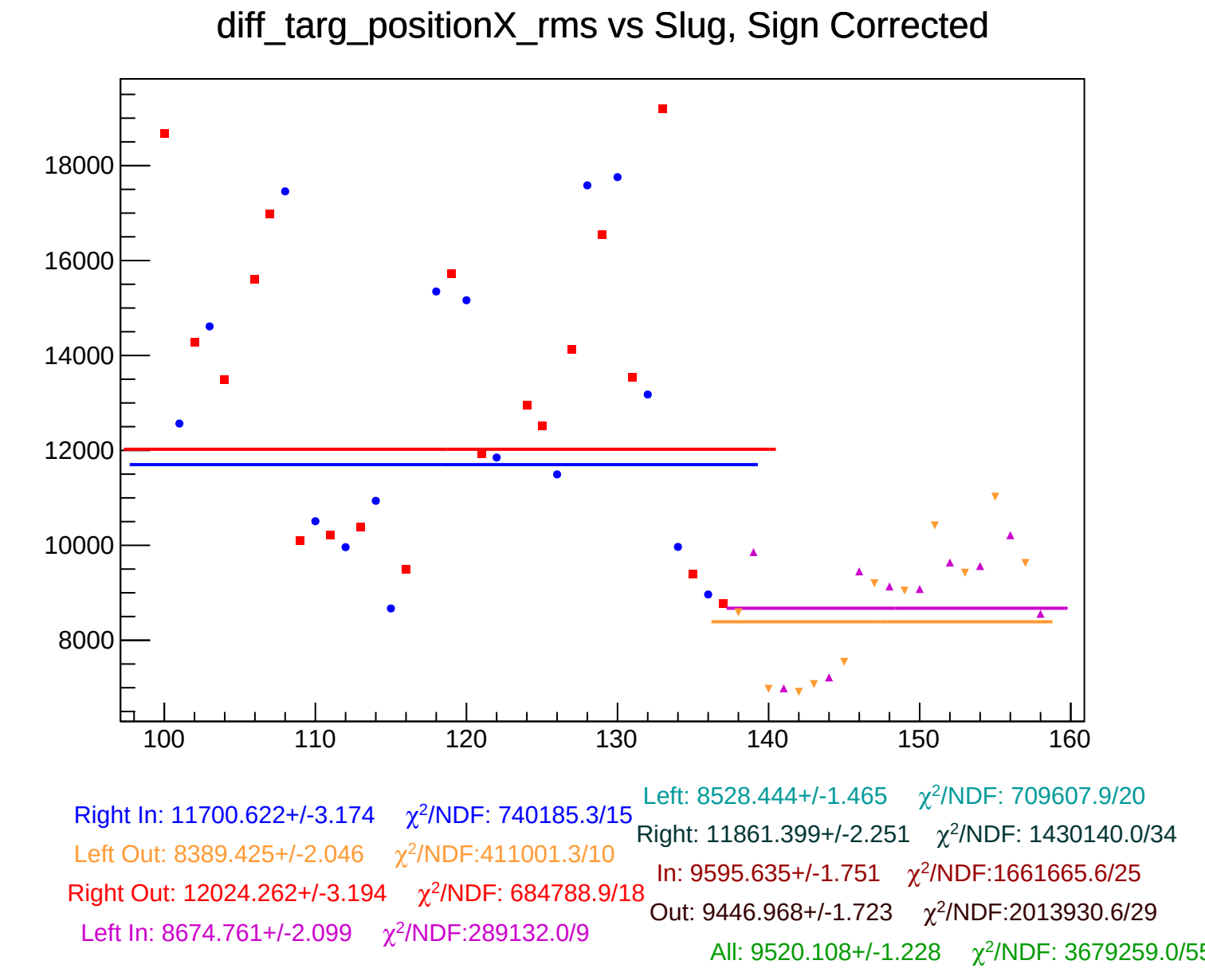
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

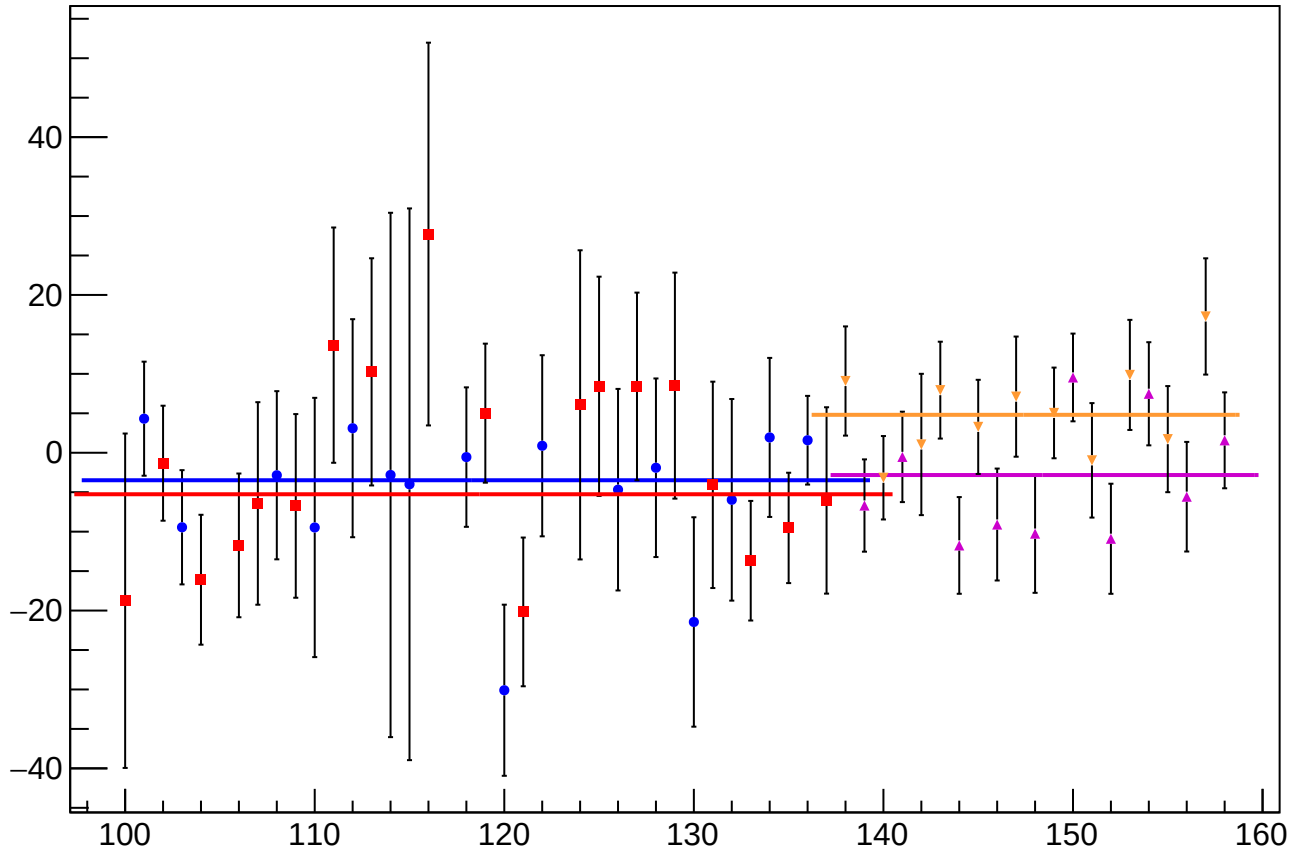
In: 7.209+/-0.001 χ^2/NDF:773192.2/25

Out: 7.106+/-0.001 χ^2/NDF:688836.6/29

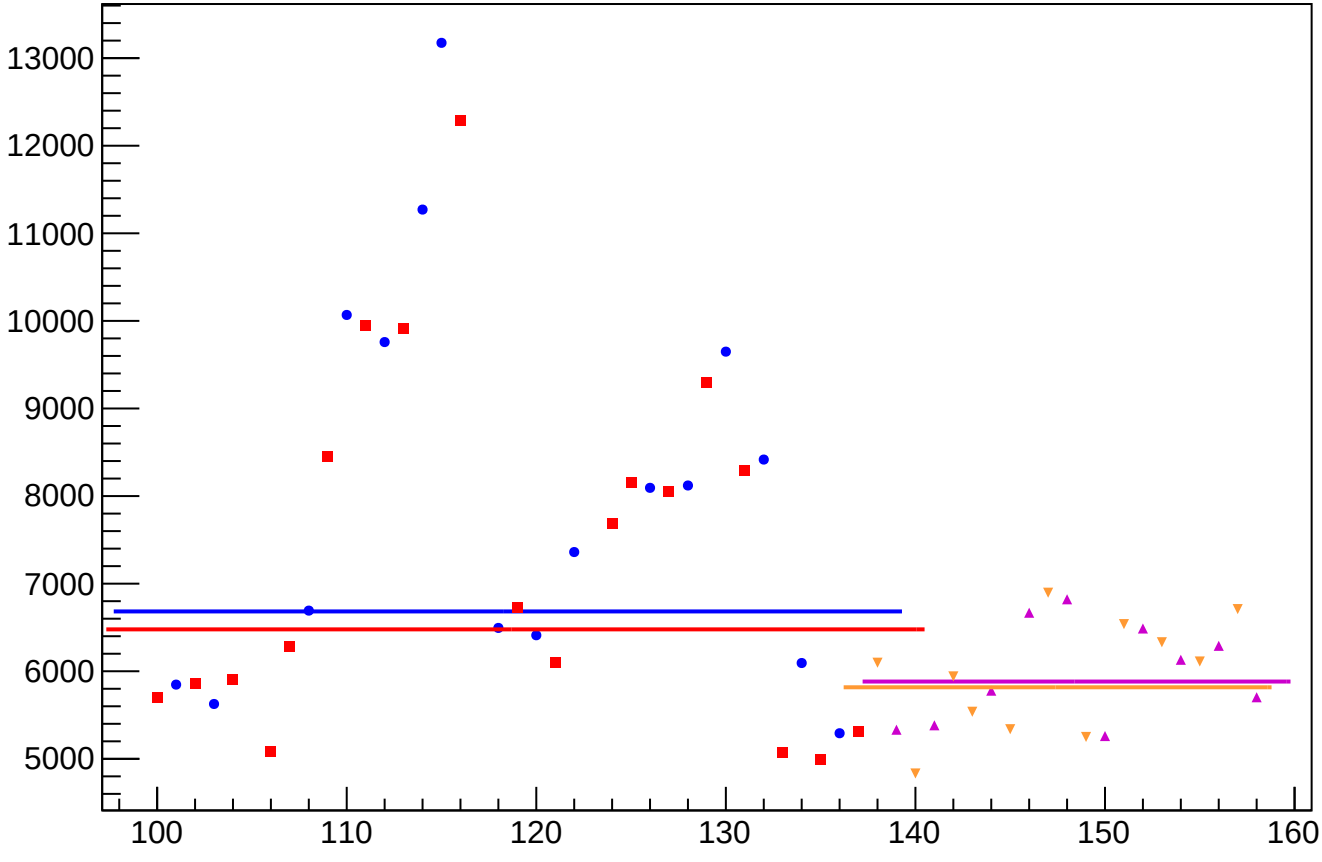
All: 7.156+/-0.001 χ^2/NDF: 1465229.4/55


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -11.544+/-2.894 χ²/NDF:31.3/10
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 2.158+/-2.969 χ²/NDF:8.6/9
Left: -4.868+/-2.072 χ²/NDF: 50.9/20
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: -0.596+/-2.476 χ²/NDF:34.5/25
Out: -5.337+/-2.437 χ²/NDF:61.1/29
All: -3.004+/-1.737 χ²/NDF: 97.4/55


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8389.425+/-2.046 χ²/NDF:411001.3/10
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8674.761+/-2.099 χ²/NDF:289132.0/9
Left: 8528.444+/-1.465 χ²/NDF: 709607.9/20
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 9595.635+/-1.751 χ²/NDF:1661665.6/25
Out: 9446.968+/-1.723 χ²/NDF:2013930.6/29
All: 9520.108+/-1.228 χ²/NDF: 3679259.0/55


diff_targ_positionY_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: -3.485+/-2.550 χ²/NDF: 11.5/15
Left Out: 4.807+/-1.994 χ²/NDF:7.5/10
Right Out: -5.259+/-2.446 χ²/NDF: 16.6/18
Left In: -2.824+/-2.008 χ²/NDF:13.9/9
Left: 1.017+/-1.415 χ²/NDF: 28.7/20
Right: -4.409+/-1.765 χ²/NDF: 28.3/34
In: -3.077+/-1.577 χ²/NDF:25.5/25
Out: 0.788+/-1.546 χ²/NDF:34.3/29
All: -1.105+/-1.104 χ²/NDF: 62.8/55

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5816.935+/-1.410 χ^2/NDF:213474.4/10

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5882.468+/-1.420 χ^2/NDF:141005.3/9

Left: 5849.484+/-1.001 χ^2/NDF: 355552.2/20

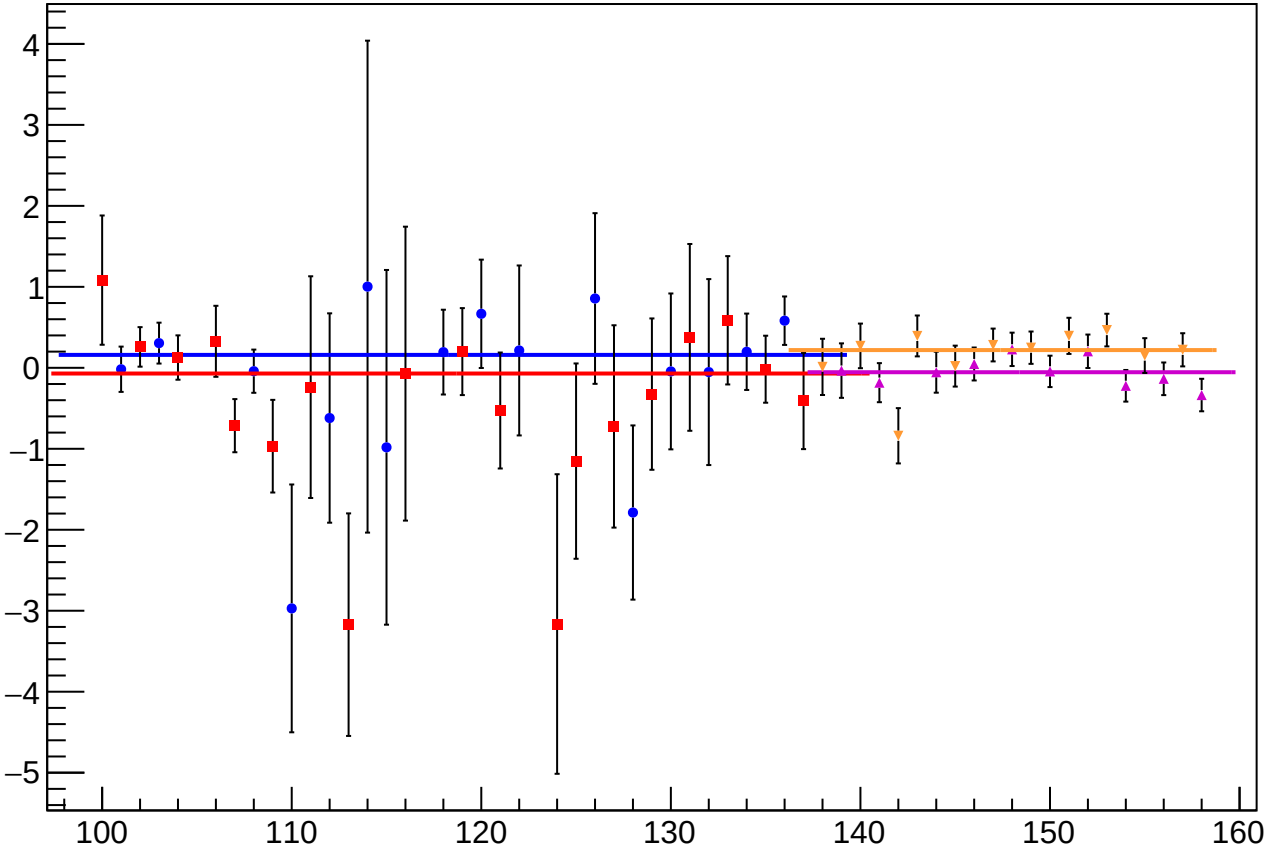
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6188.866+/-1.115 χ^2/NDF:954902.7/25

Out: 6080.940+/-1.093 χ^2/NDF:1140466.2/29

All: 6133.812+/-0.781 χ^2/NDF: 2100144.9/55

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.219+/-0.071 χ^2/NDF:13.4/10

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.054+/-0.068 χ^2/NDF:6.9/9

Left: 0.078+/-0.049 χ^2/NDF: 28.1/20

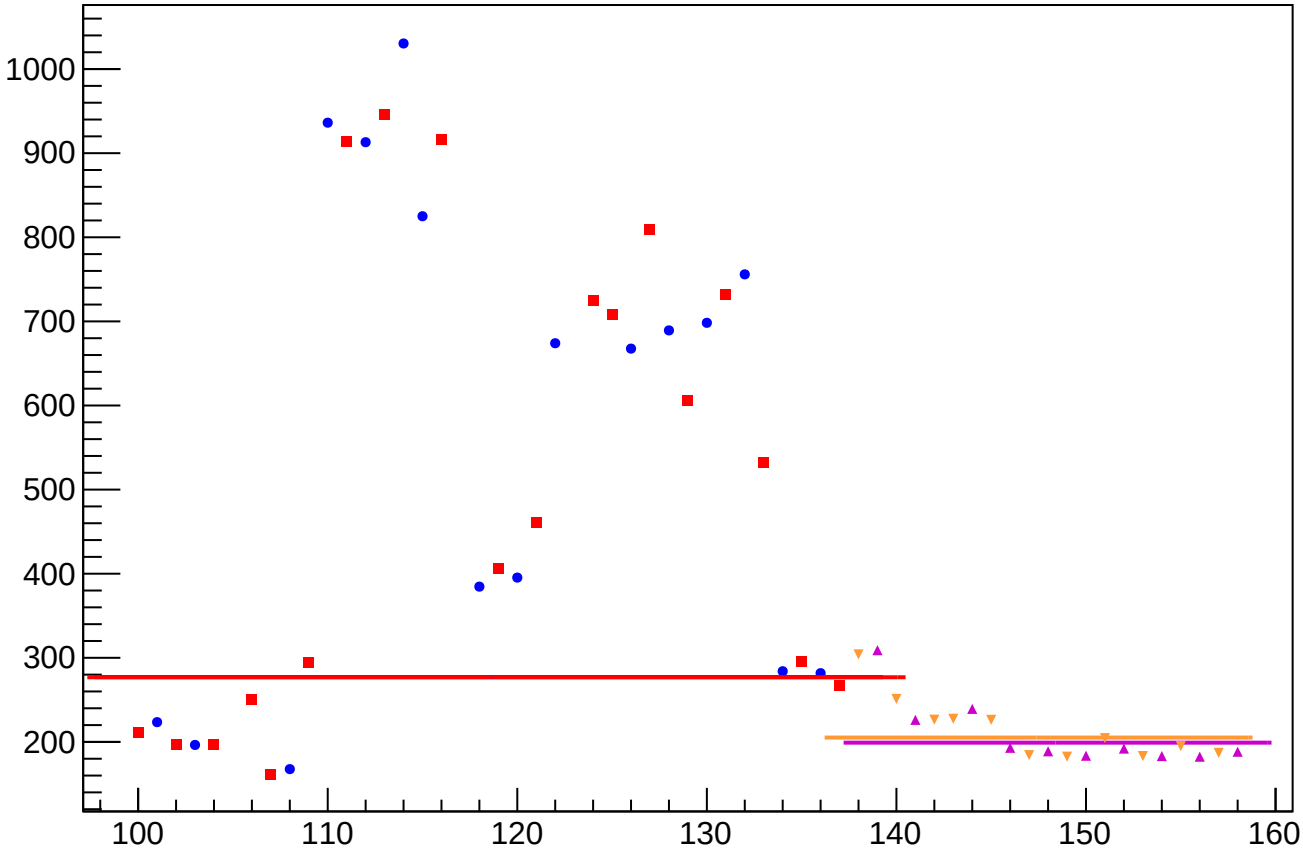
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.002+/-0.059 χ^2/NDF:21.9/25

Out: 0.144+/-0.061 χ^2/NDF:40.2/29

All: 0.069+/-0.042 χ^2/NDF: 65.1/55

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 205.175+/-0.050 χ^2/NDF:346449.2/10

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 199.124+/-0.048 χ^2/NDF:344099.1/9

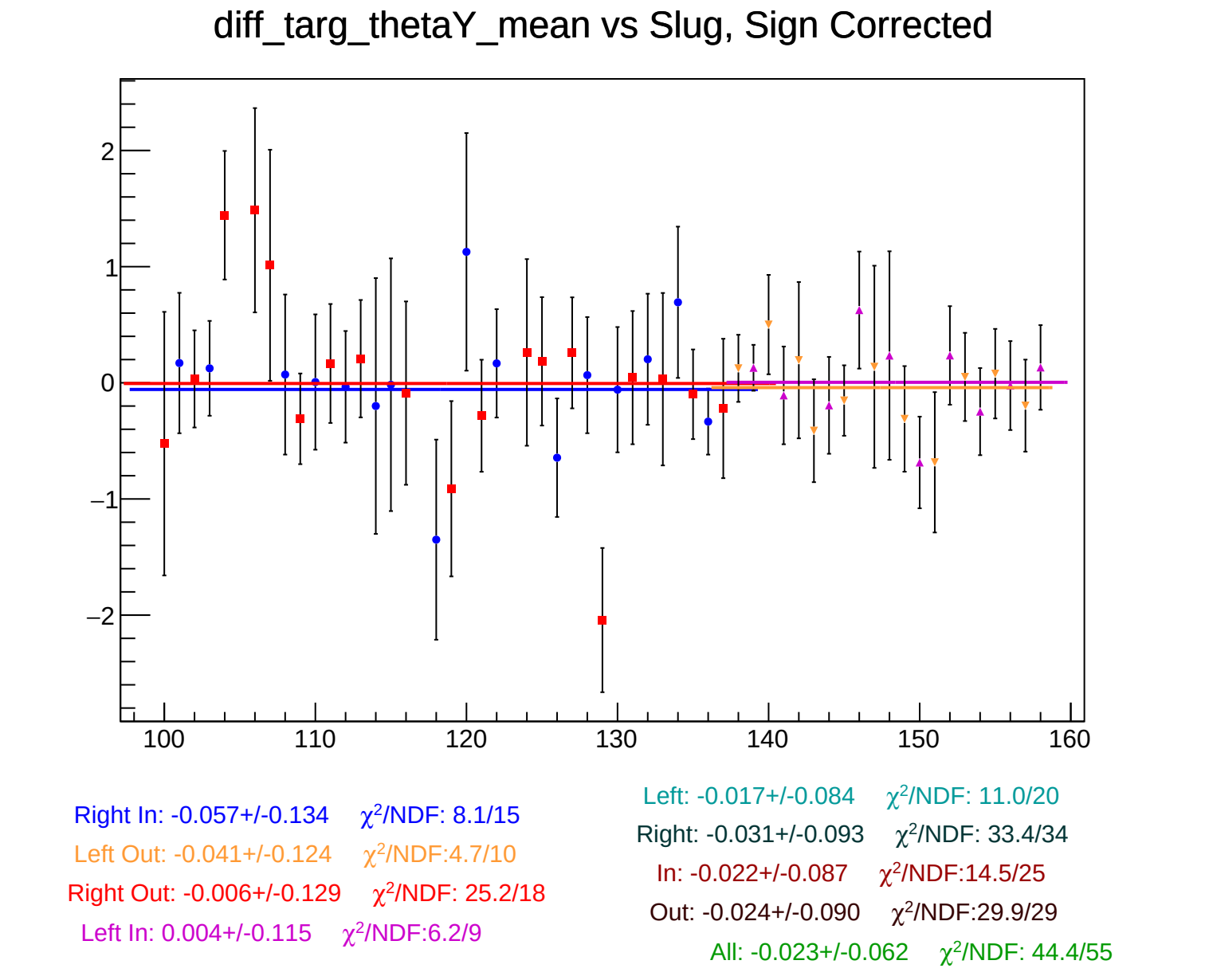
Left: 202.047+/-0.035 χ^2/NDF: 698157.7/20

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

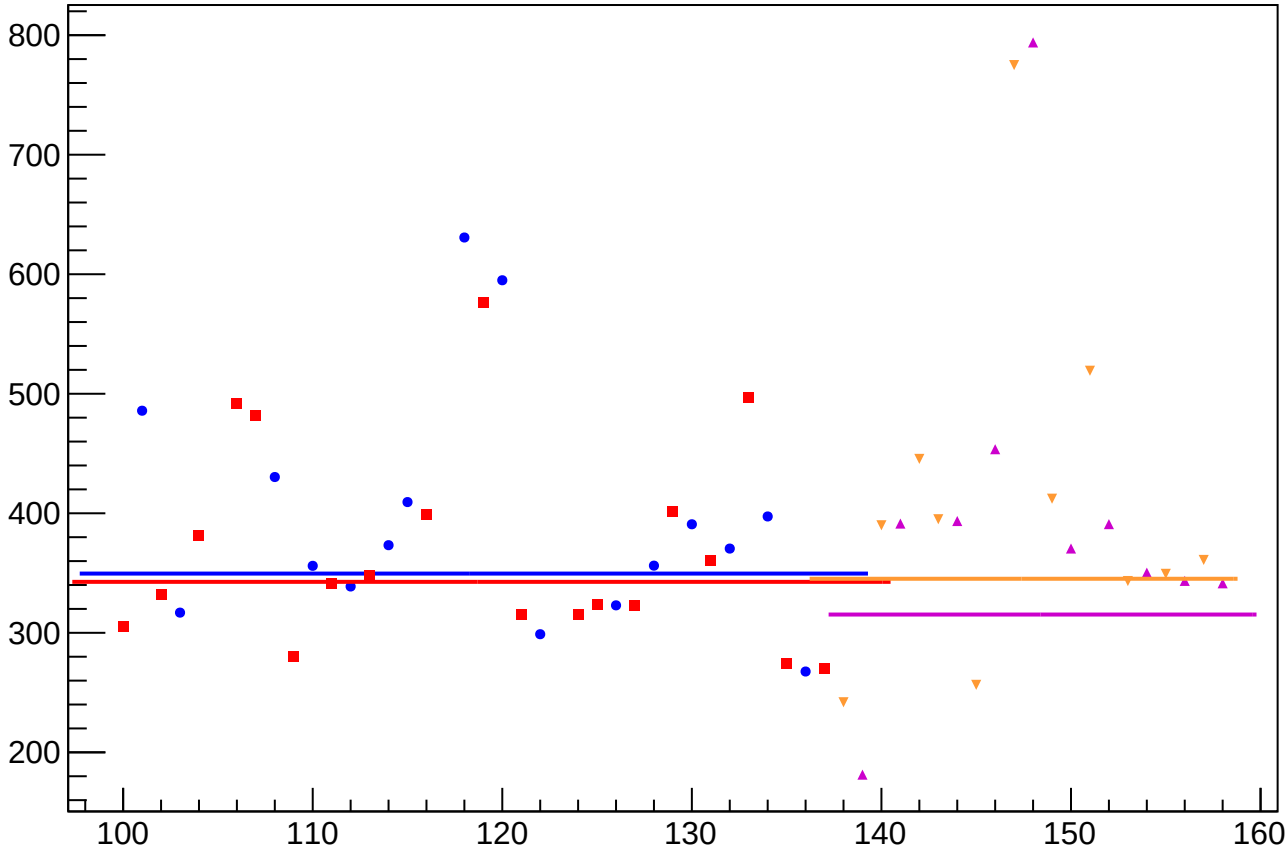
In: 218.237+/-0.042 χ^2/NDF:4435004.5/25

Out: 223.652+/-0.043 χ^2/NDF:4450594.5/29

All: 220.875+/-0.030 χ^2/NDF: 8893740.3/55


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: -0.041+/-0.124 χ²/NDF:4.7/10
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.004+/-0.115 χ²/NDF:6.2/9
Left: -0.017+/-0.084 χ²/NDF: 11.0/20
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: -0.022+/-0.087 χ²/NDF:14.5/25
Out: -0.024+/-0.090 χ²/NDF:29.9/29
All: -0.023+/-0.062 χ²/NDF: 44.4/55

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 345.221+/-0.088 χ^2/NDF:1219073.6/10

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 315.290+/-0.081 χ^2/NDF:1916215.3/9

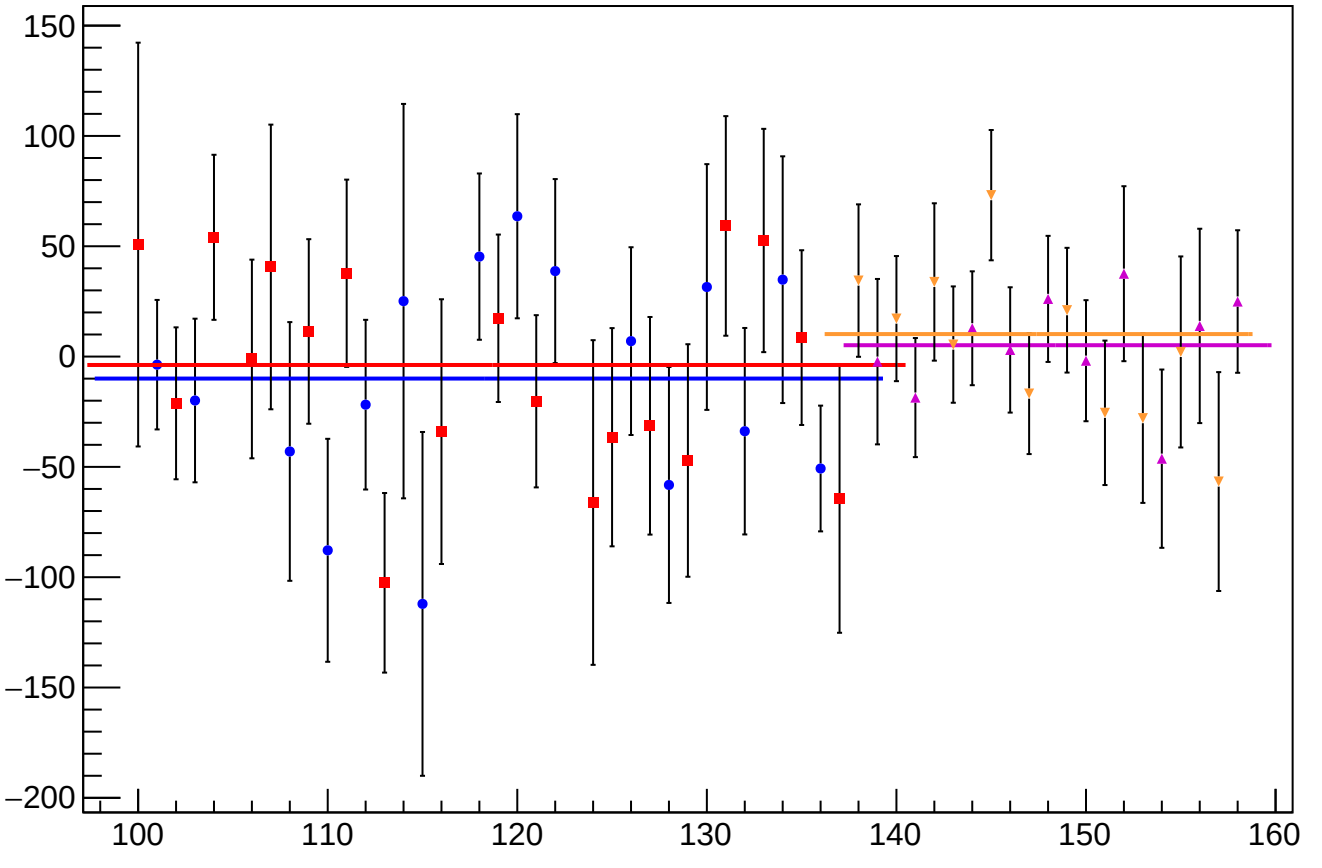
Left: 329.071+/-0.060 χ^2/NDF: 3197706.2/20

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 329.844+/-0.062 χ^2/NDF:2690997.8/25

Out: 343.977+/-0.063 χ^2/NDF:1795247.9/29

All: 336.723+/-0.044 χ^2/NDF: 4511815.5/55



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 10.194+/-9.719 χ^2/NDF:10.7/10

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.145+/-9.950 χ^2/NDF:4.2/9

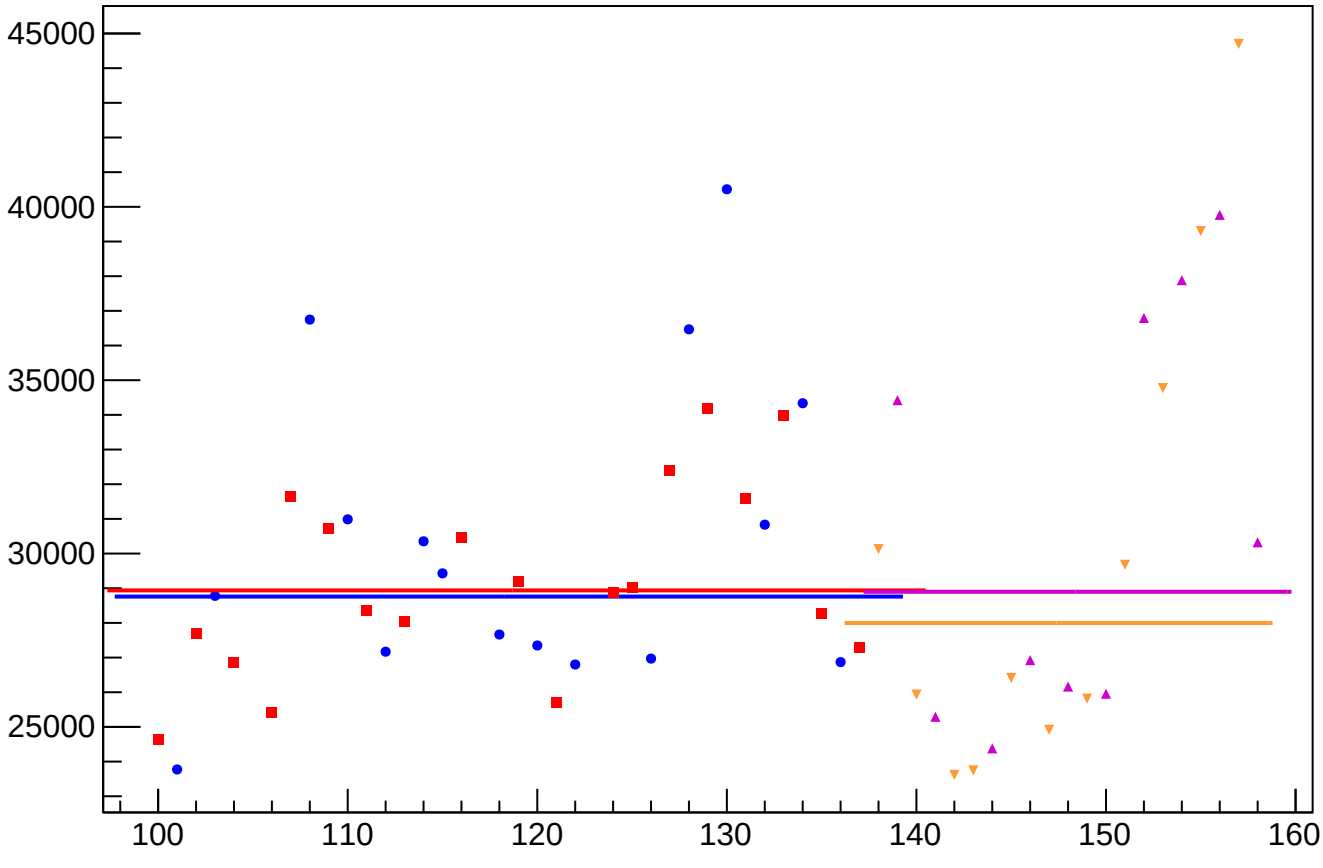
Left: 7.729+/-6.952 χ^2/NDF: 15.1/20

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.769+/-7.329 χ^2/NDF:20.6/25

Out: 3.820+/-7.175 χ^2/NDF:28.9/29

All: 1.085+/-5.127 χ^2/NDF: 49.8/55



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27996.034+/-6.872 χ^2/NDF:574028.5/10

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

Left: 28436.713+/-4.916 χ^2/NDF: 1077822.5/20

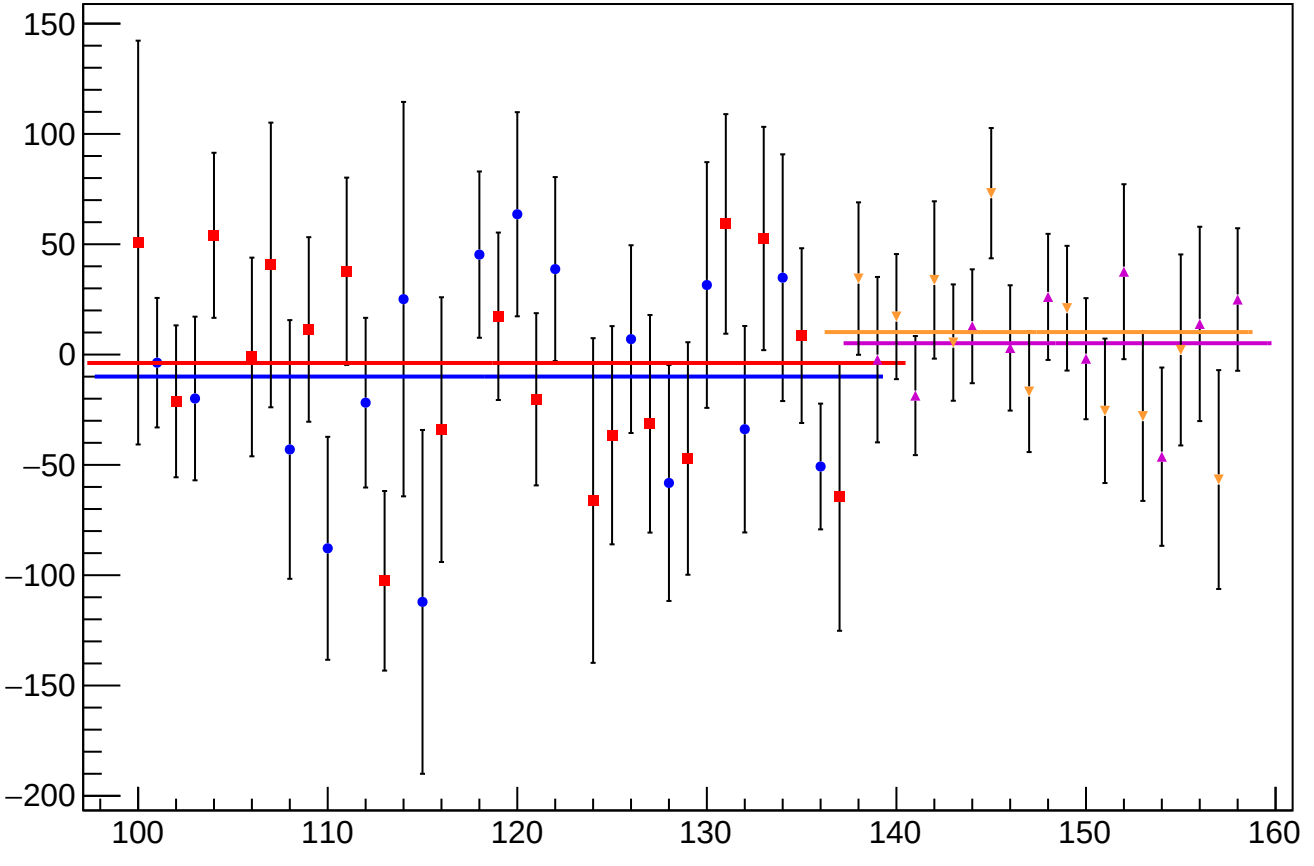
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28834.770+/-5.182 χ^2/NDF:773192.2/25

Out: 28424.482+/-5.073 χ^2/NDF:688836.6/29

All: 28625.264+/-3.625 χ^2/NDF: 1465229.4/5

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 10.194+/-9.719 χ^2/NDF:10.7/10

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.145+/-9.950 χ^2/NDF:4.2/9

Left: 7.729+/-6.952 χ^2/NDF: 15.1/20

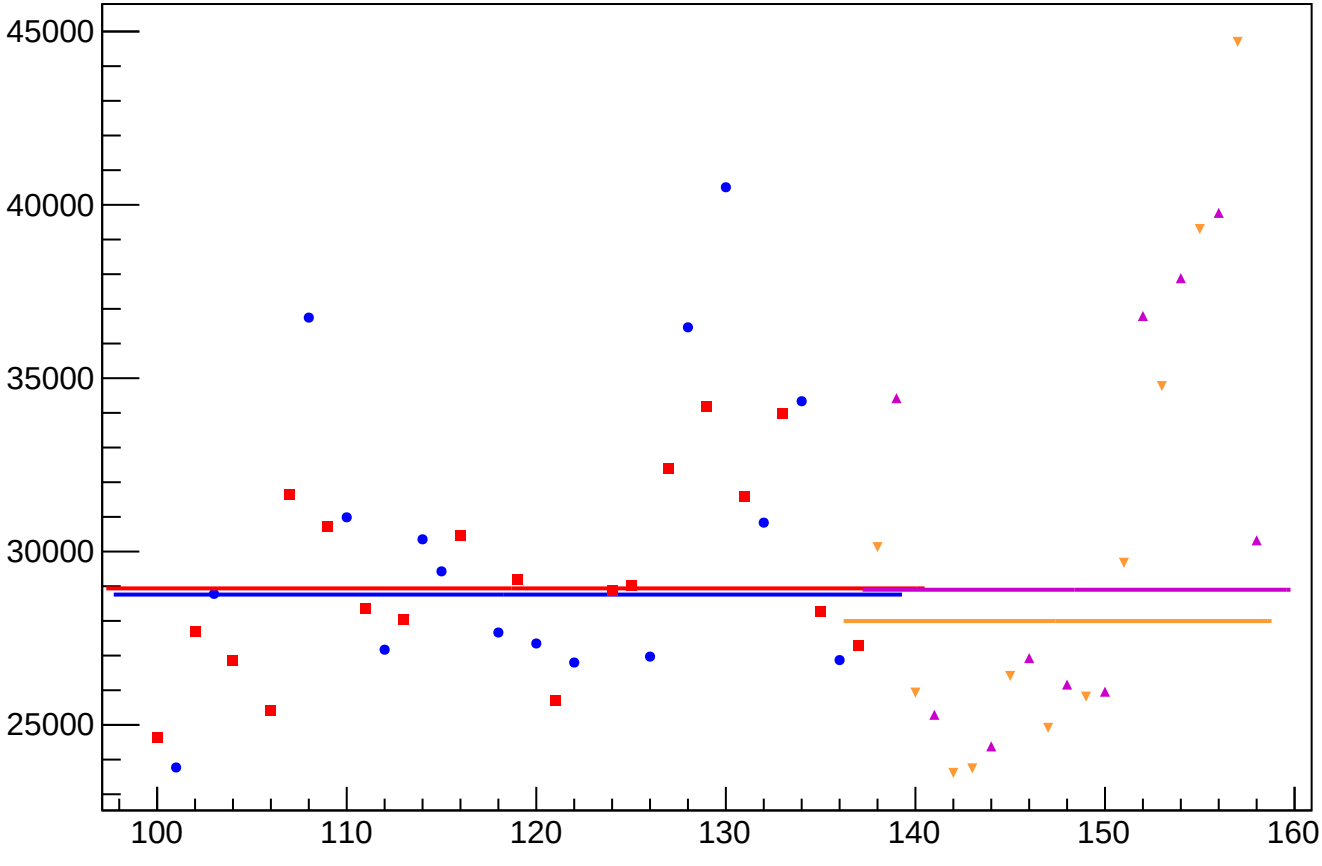
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.769+/-7.329 χ^2/NDF:20.6/25

Out: 3.820+/-7.175 χ^2/NDF:28.9/29

All: 1.085+/-5.127 χ^2/NDF: 49.8/55

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27996.034+/-6.872 χ^2/NDF:574028.5/10

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

Left: 28436.713+/-4.916 χ^2/NDF: 1077822.5/20

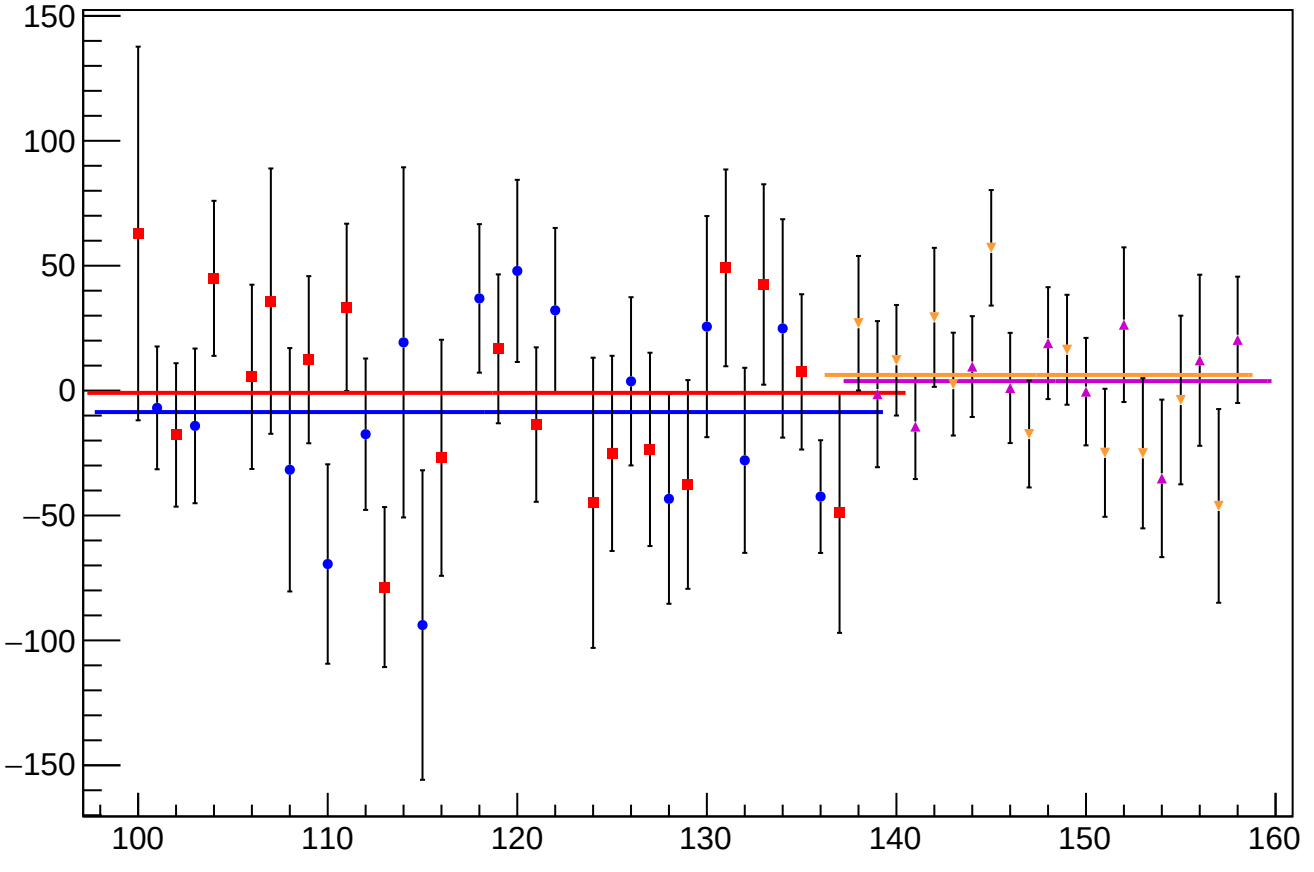
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28834.770+/-5.182 χ^2/NDF:773192.2/25

Out: 28424.482+/-5.073 χ^2/NDF:688836.6/29

All: 28625.264+/-3.625 χ^2/NDF: 1465229.4/5

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 6.272+/-7.589 χ^2/NDF:12.1/10

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 3.794+/-7.772 χ^2/NDF:3.9/9

Left: 5.062+/-5.430 χ^2/NDF: 16.1/20

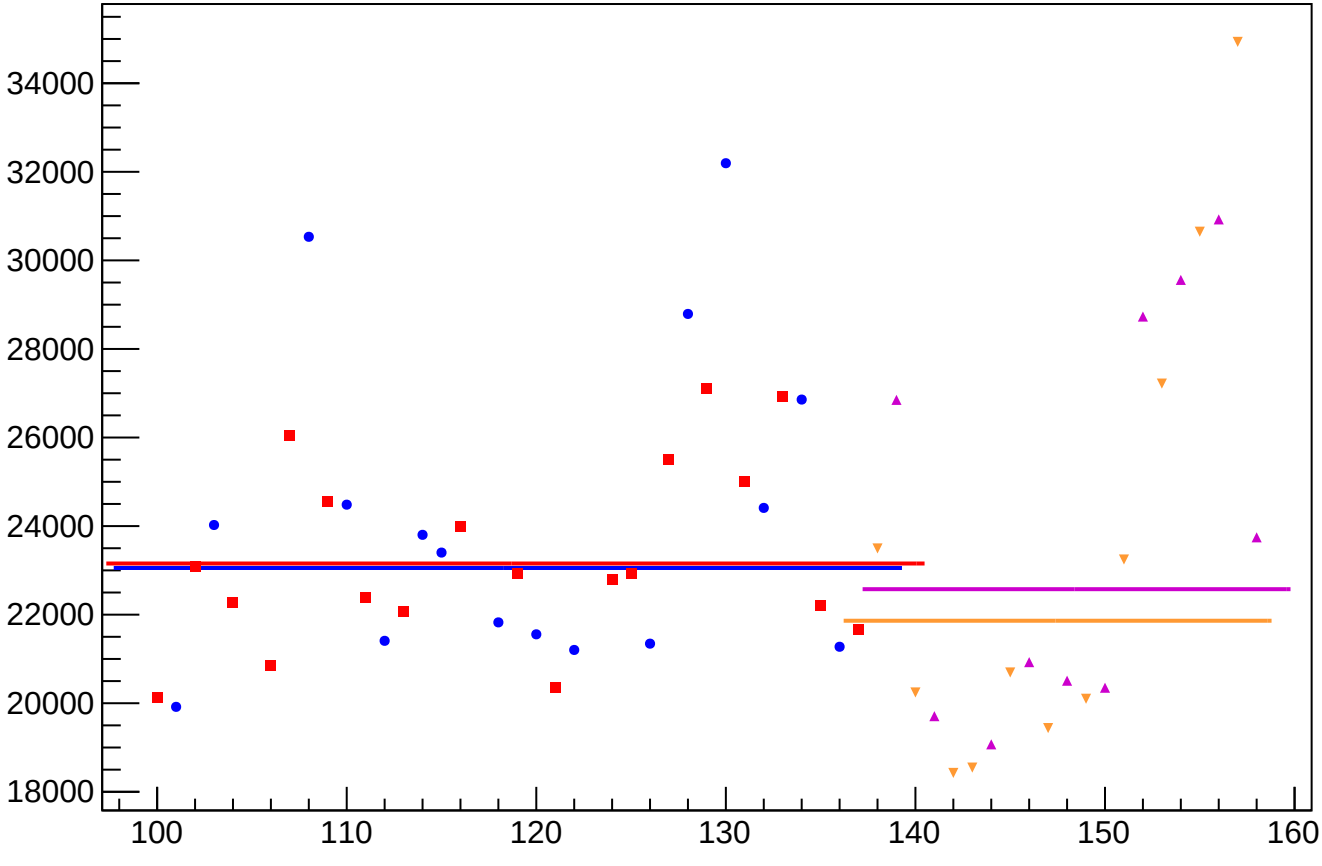
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -1.722+/-5.789 χ^2/NDF:20.6/25

Out: 3.091+/-5.663 χ^2/NDF:30.1/29

All: 0.738+/-4.048 χ^2/NDF: 51.0/55

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 21862.873+/-5.366 χ^2/NDF:576084.2/10

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 22575.425+/-5.495 χ^2/NDF:490142.4/9

Left: 22210.700+/-3.839 χ^2/NDF: 1074832.6/20

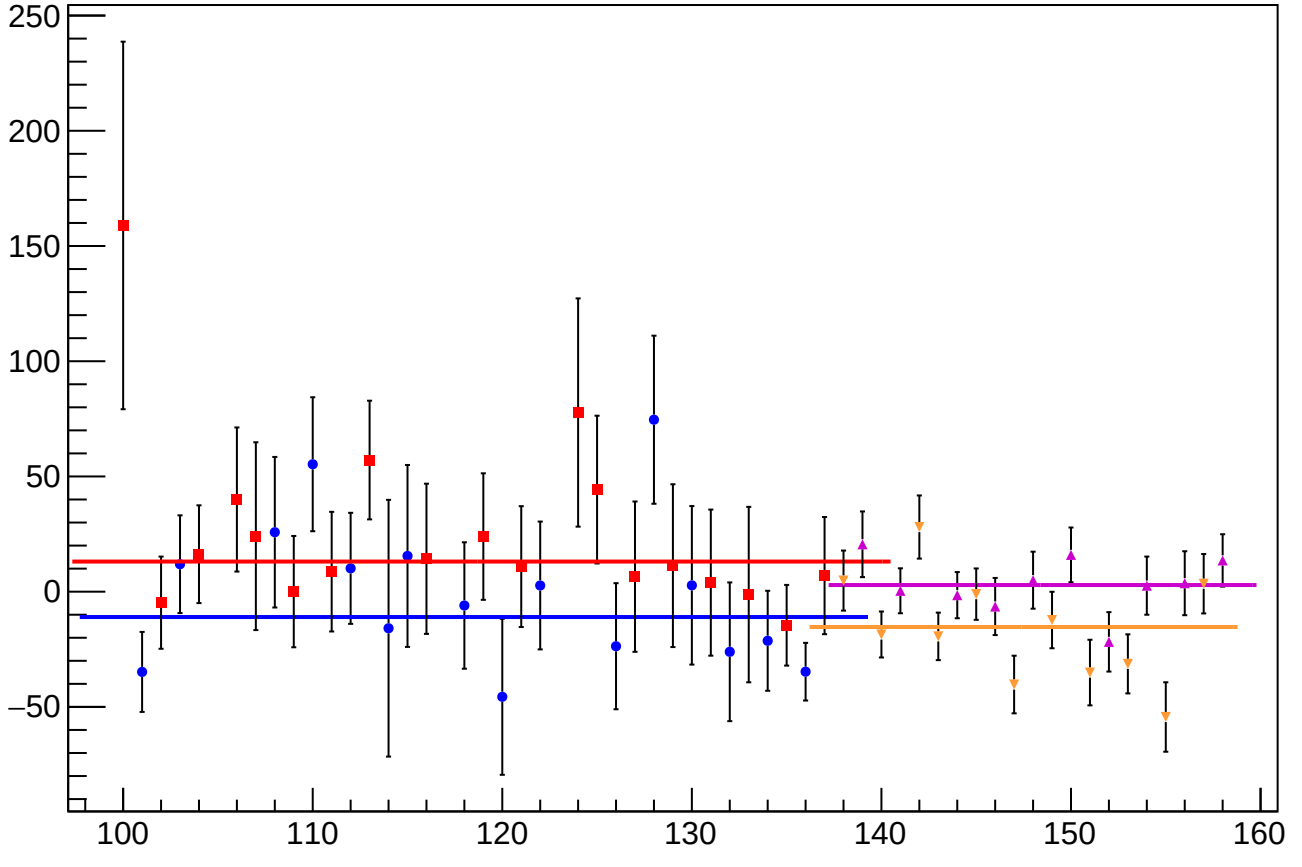
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 22788.368+/-4.094 χ^2/NDF:754961.3/25

Out: 22435.708+/-4.004 χ^2/NDF:695684.6/29

All: 22608.141+/-2.863 χ^2/NDF: 1454438.5/5

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -15.327+/-3.695 χ^2/NDF:30.7/10

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 2.882+/-3.759 χ^2/NDF:8.2/9

Left: -6.378+/-2.635 χ^2/NDF: 50.8/20

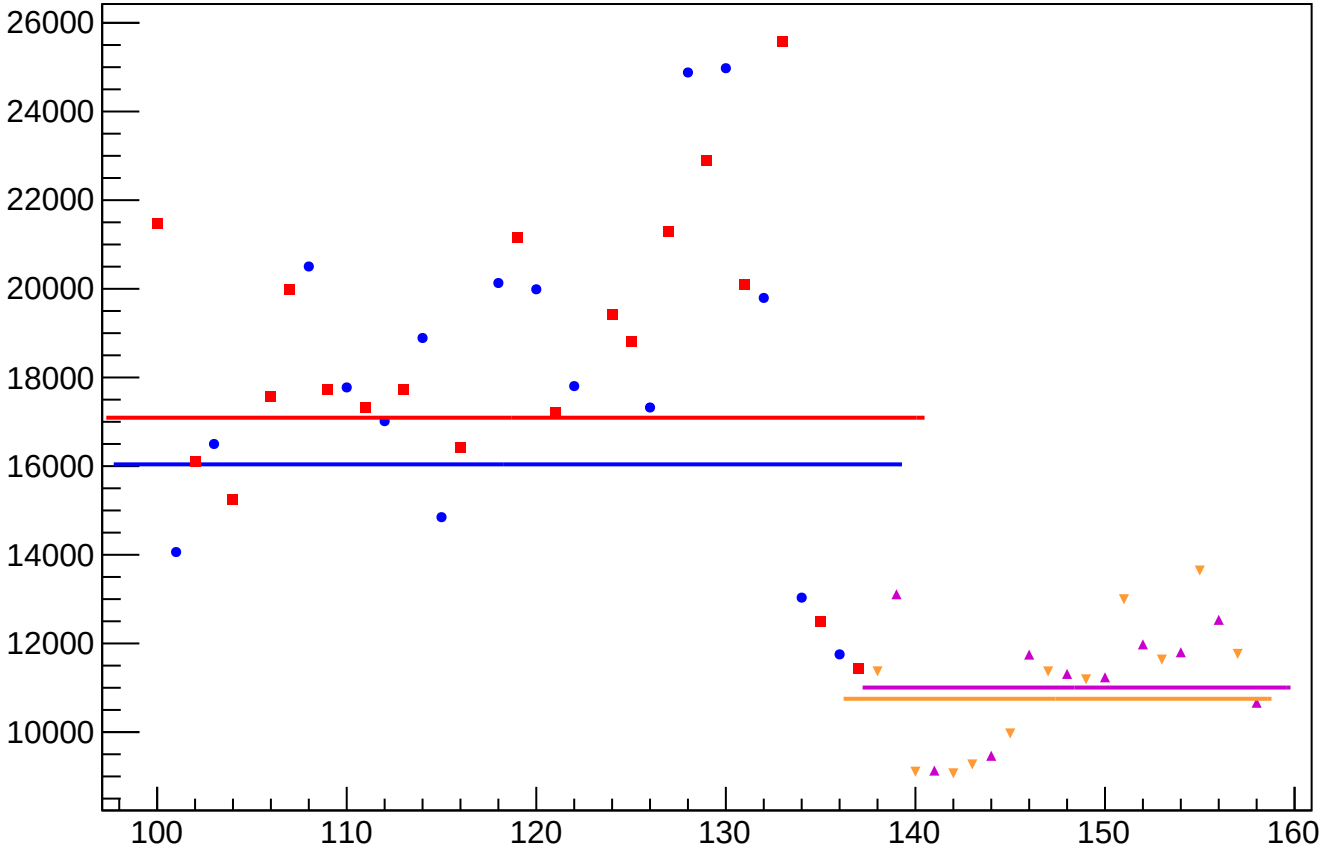
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -0.890+/-3.208 χ^2/NDF:33.9/25

Out: -8.197+/-3.198 χ^2/NDF:59.4/29

All: -4.555+/-2.265 χ^2/NDF: 95.9/55

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10752.138+/-2.613 χ^2/NDF:292903.0/10

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 11005.091+/-2.658 χ^2/NDF:219165.5/9

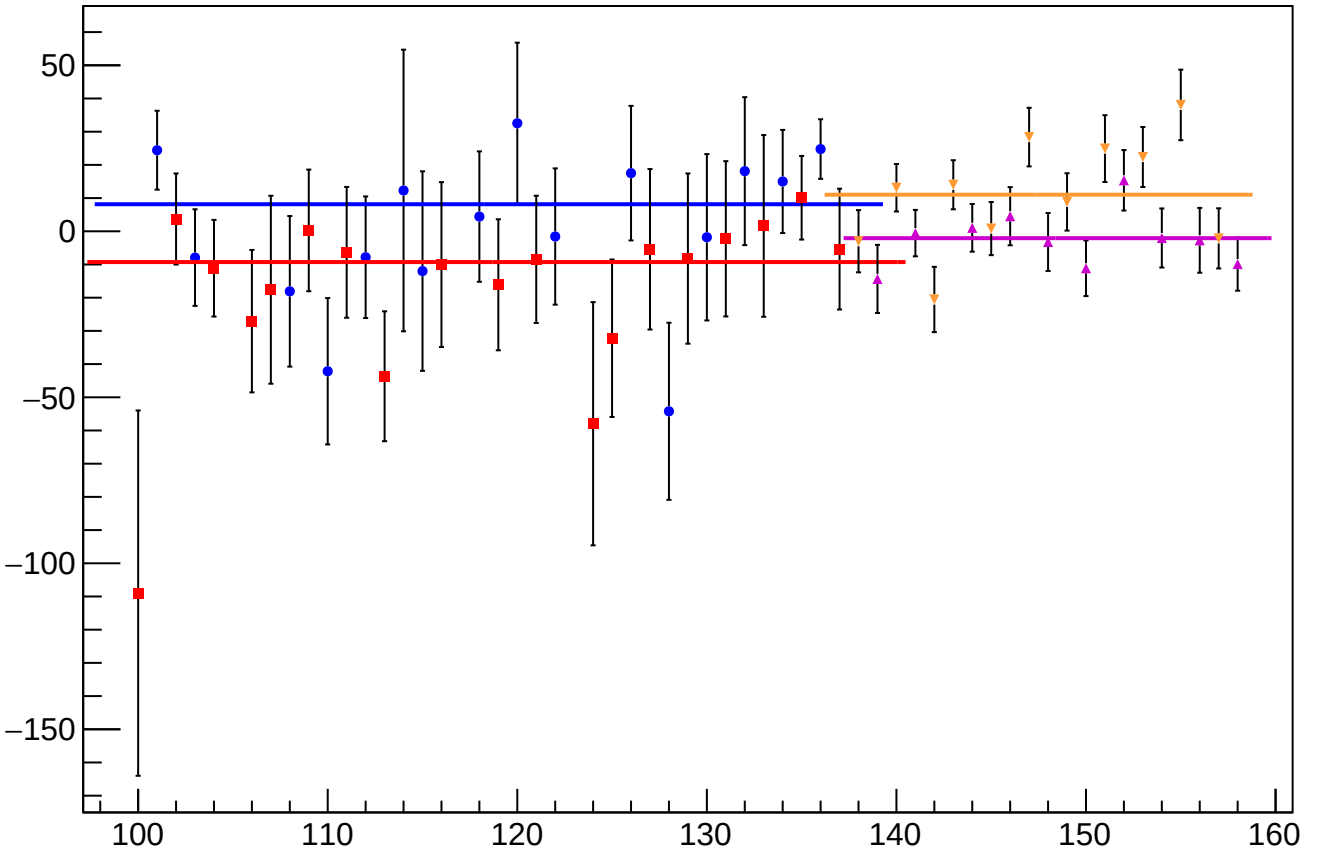
Left: 10876.448+/-1.863 χ^2/NDF: 516674.6/20

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12372.848+/-2.268 χ^2/NDF:1916653.7/25

Out: 12343.995+/-2.261 χ^2/NDF:2306882.6/29

All: 12358.376+/-1.601 χ^2/NDF: 4223617.4/5



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 11.015+/-2.630 χ^2/NDF:30.4/10

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -2.073+/-2.668 χ^2/NDF:8.0/9

Left: 4.567+/-1.873 χ^2/NDF: 50.7/20

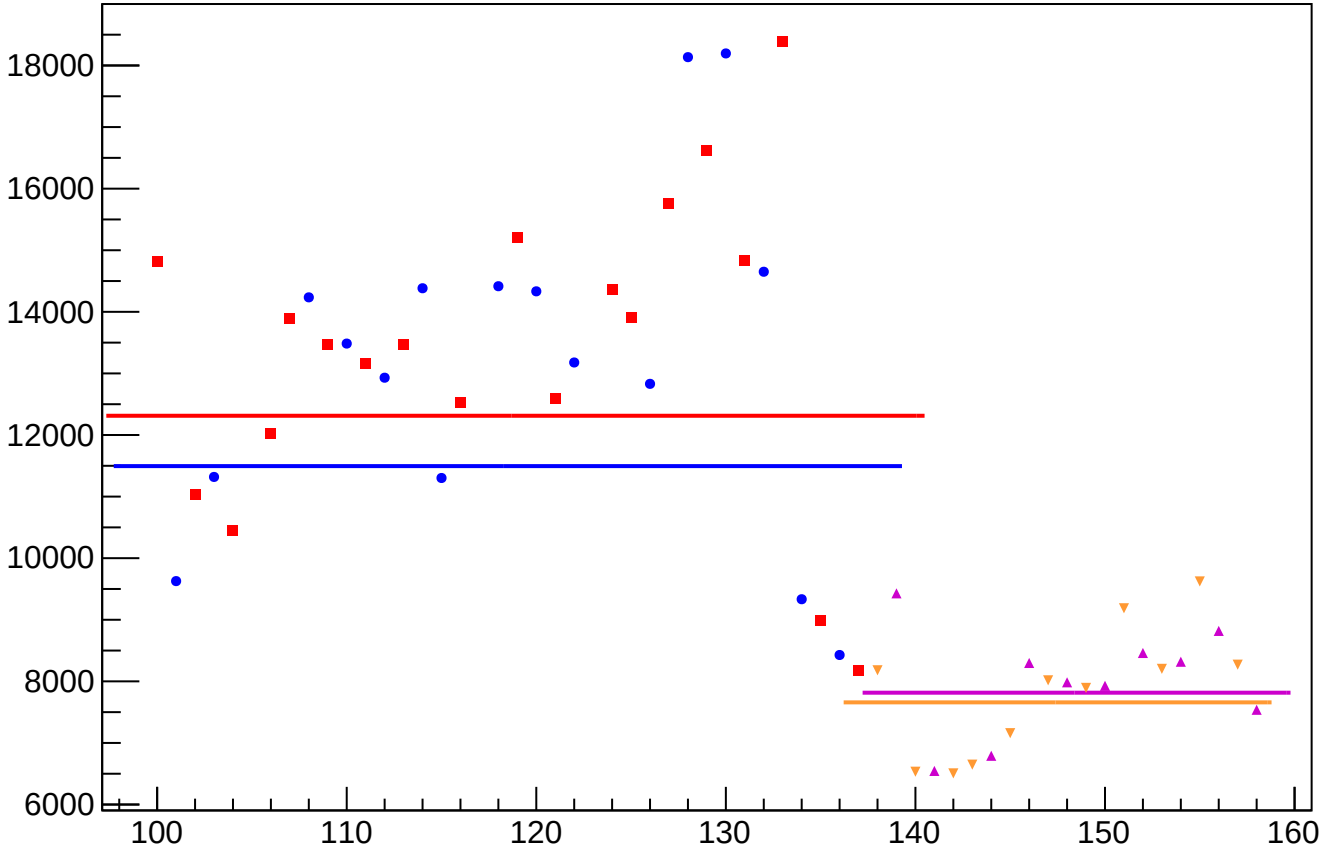
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 0.655+/-2.285 χ^2/NDF:33.7/25

Out: 6.031+/-2.284 χ^2/NDF:58.9/29

All: 3.344+/-1.615 χ^2/NDF: 95.4/55

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7658.734+/-1.859 χ^2/NDF:264075.2/10

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7815.821+/-1.887 χ^2/NDF:203261.2/9

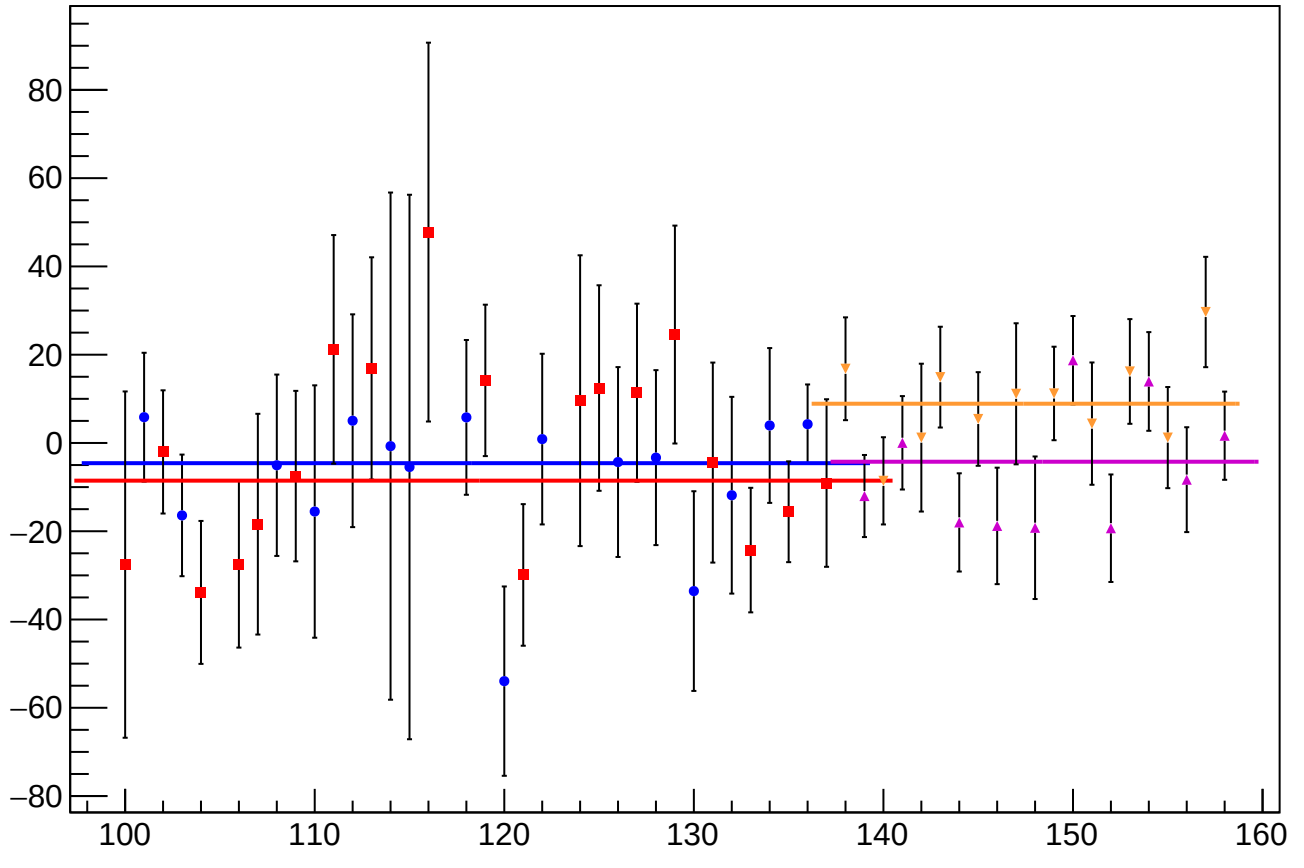
Left: 7736.126+/-1.324 χ^2/NDF: 470852.8/20

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8797.632+/-1.616 χ^2/NDF:2007891.7/25

Out: 8802.235+/-1.615 χ^2/NDF:2402098.8/29

All: 8799.934+/-1.142 χ^2/NDF: 4409994.6/55



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 8.893+/-3.606 χ^2/NDF:8.0/10

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -4.250+/-3.537 χ^2/NDF:14.4/9

Left: 2.193+/-2.525 χ^2/NDF: 29.1/20

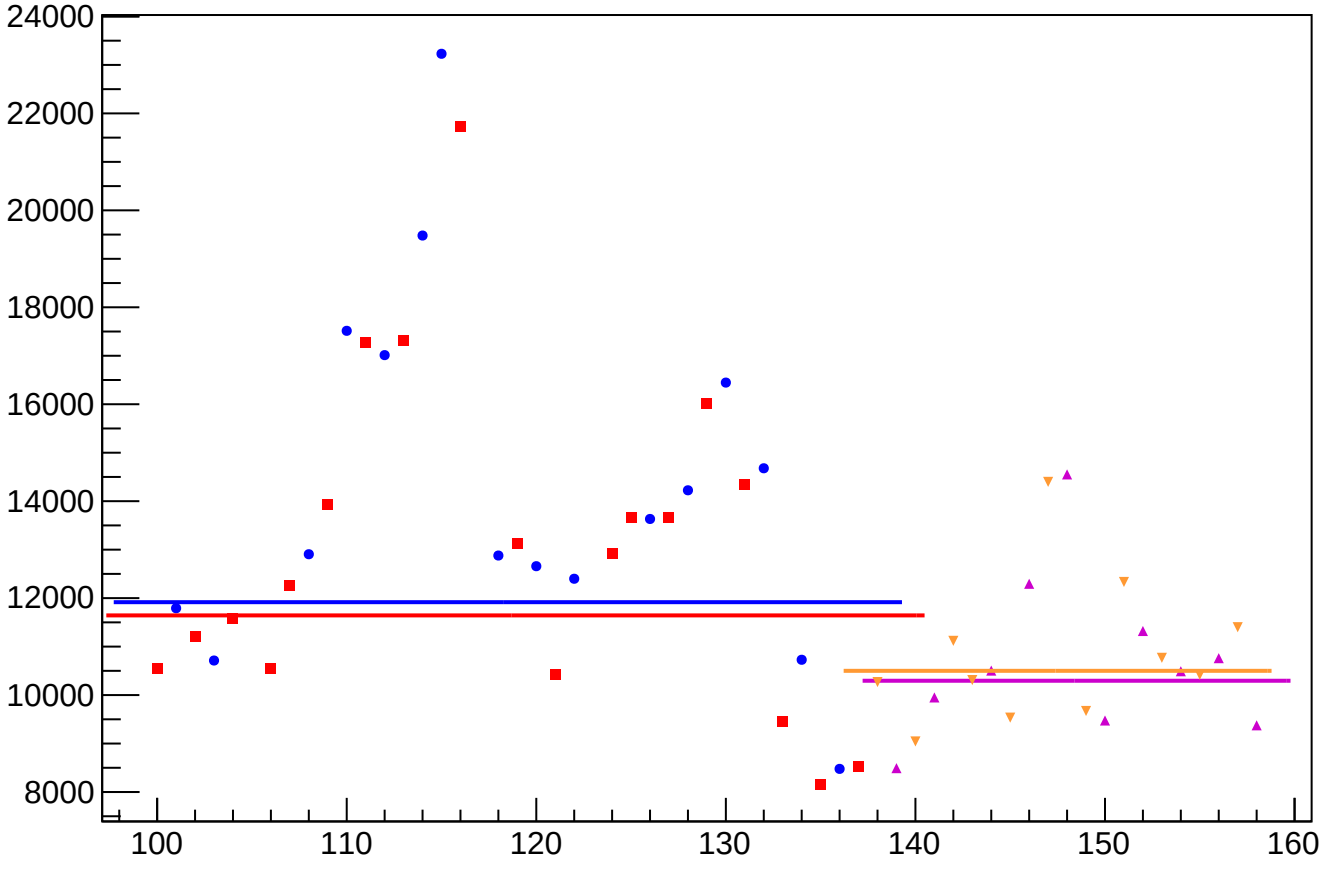
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -4.374+/-2.793 χ^2/NDF:24.6/25

Out: 1.874+/-2.787 χ^2/NDF:34.5/29

All: -1.243+/-1.973 χ^2/NDF: 61.7/55

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10500.140+/-2.550 χ^2/NDF:241849.3/10

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10295.511+/-2.501 χ^2/NDF:311178.7/9

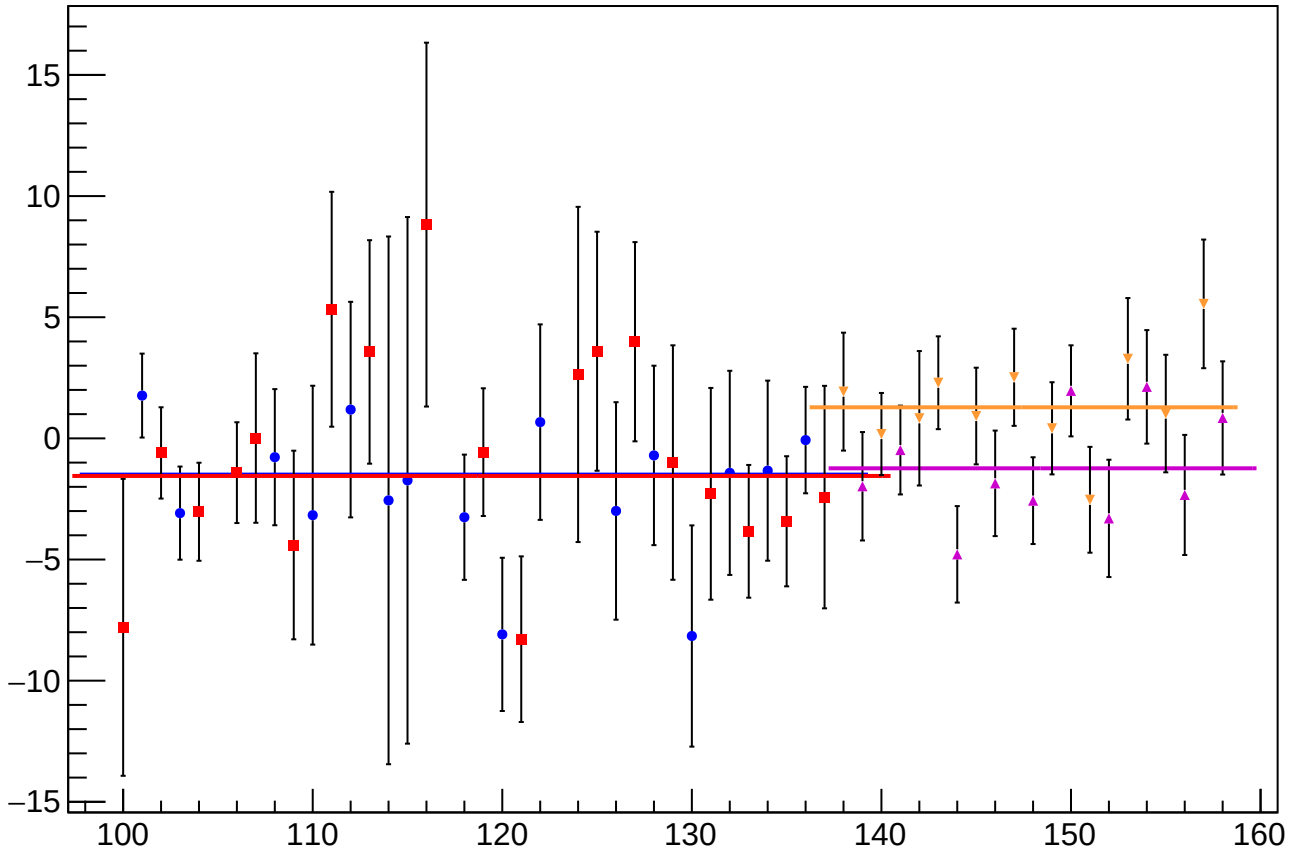
Left: 10395.835+/-1.785 χ^2/NDF: 556310.6/20

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10905.278+/-1.975 χ^2/NDF:1218991.0/25

Out: 10960.564+/-1.971 χ^2/NDF:1113180.8/29

All: 10932.982+/-1.395 χ^2/NDF: 2332564.4/5



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.283+/-0.649 χ^2/NDF:7.7/10

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.235+/-0.666 χ^2/NDF:10.8/9

Left: 0.057+/-0.465 χ^2/NDF: 25.8/20

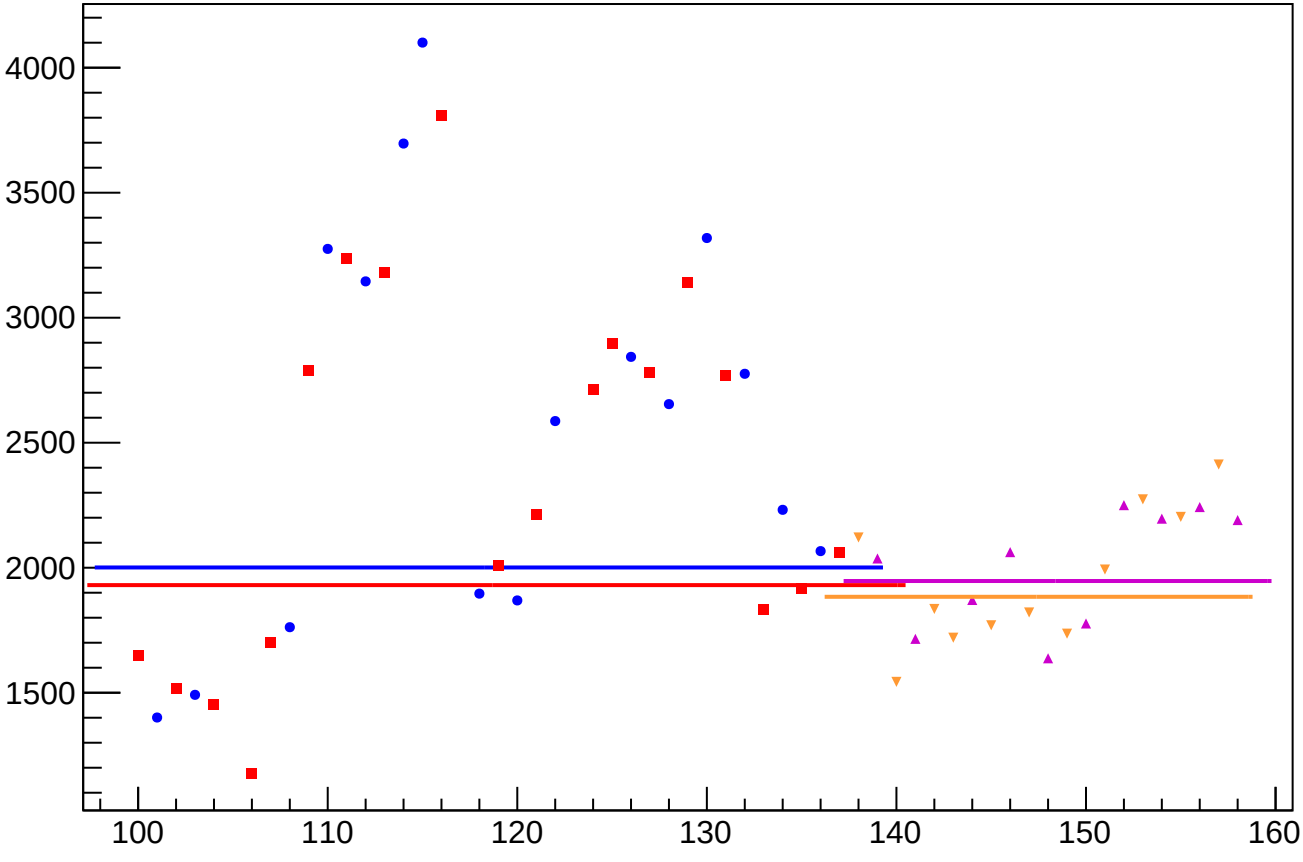
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.346+/-0.506 χ^2/NDF:23.4/25

Out: 0.060+/-0.489 χ^2/NDF:32.2/29

All: -0.619+/-0.352 χ^2/NDF: 59.6/55

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1883.718+/-0.459 χ^2/NDF:302830.7/10

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1946.843+/-0.471 χ^2/NDF:223918.9/9

Left: 1914.449+/-0.329 χ^2/NDF: 535970.4/20

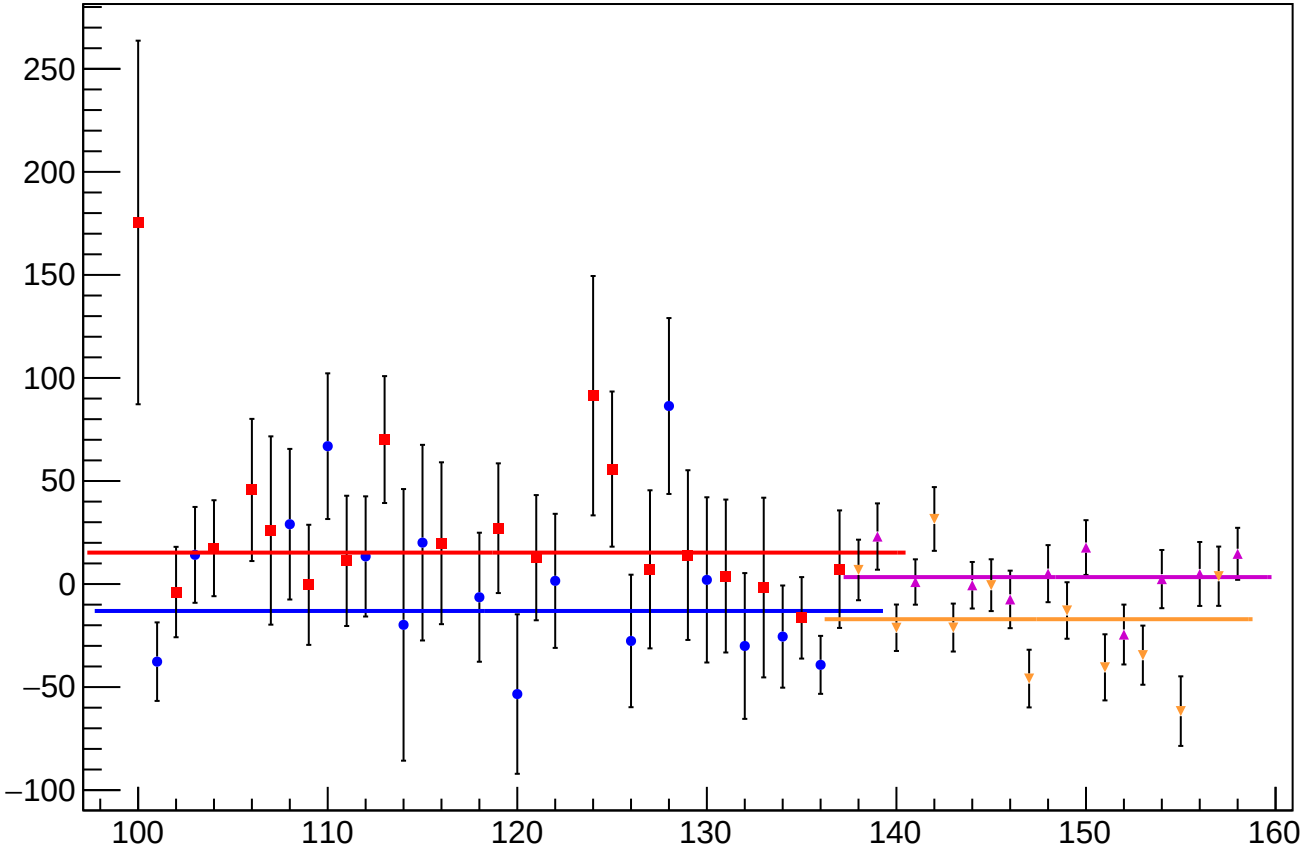
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 1969.737+/-0.358 χ^2/NDF:1419294.1/25

Out: 1903.877+/-0.346 χ^2/NDF:1710859.7/29

All: 1935.688+/-0.249 χ^2/NDF: 3147670.9/55

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -17.063+/-4.155 χ^2/NDF:31.5/10

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 3.369+/-4.220 χ^2/NDF:7.9/9

Left: -7.004+/-2.961 χ^2/NDF: 51.4/20

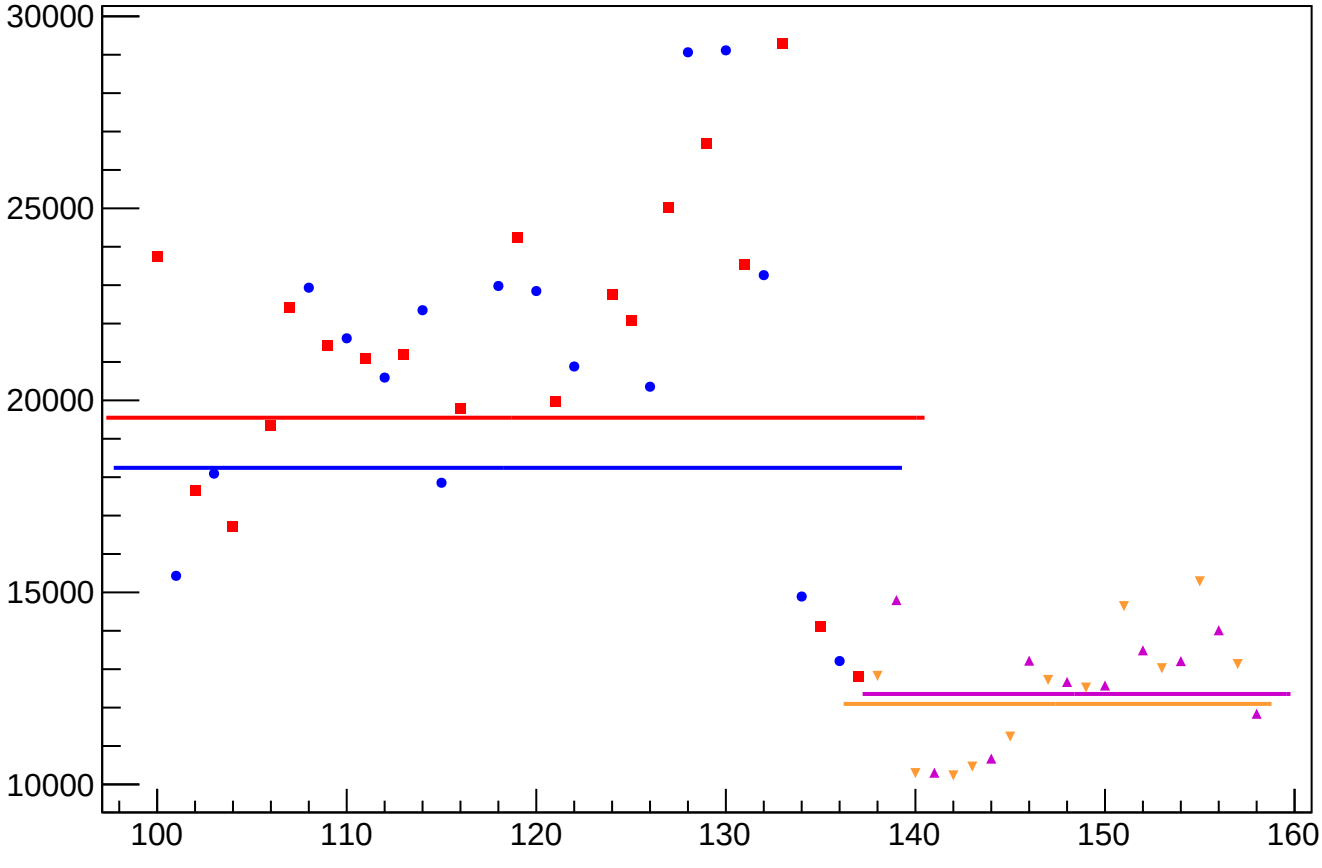
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -0.987+/-3.617 χ^2/NDF:33.8/25

Out: -9.188+/-3.614 χ^2/NDF:60.6/29

All: -5.092+/-2.557 χ^2/NDF: 97.0/55

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 12096.474+/-2.938 χ^2/NDF:280119.0/10

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12355.200+/-2.984 χ^2/NDF:215053.6/9

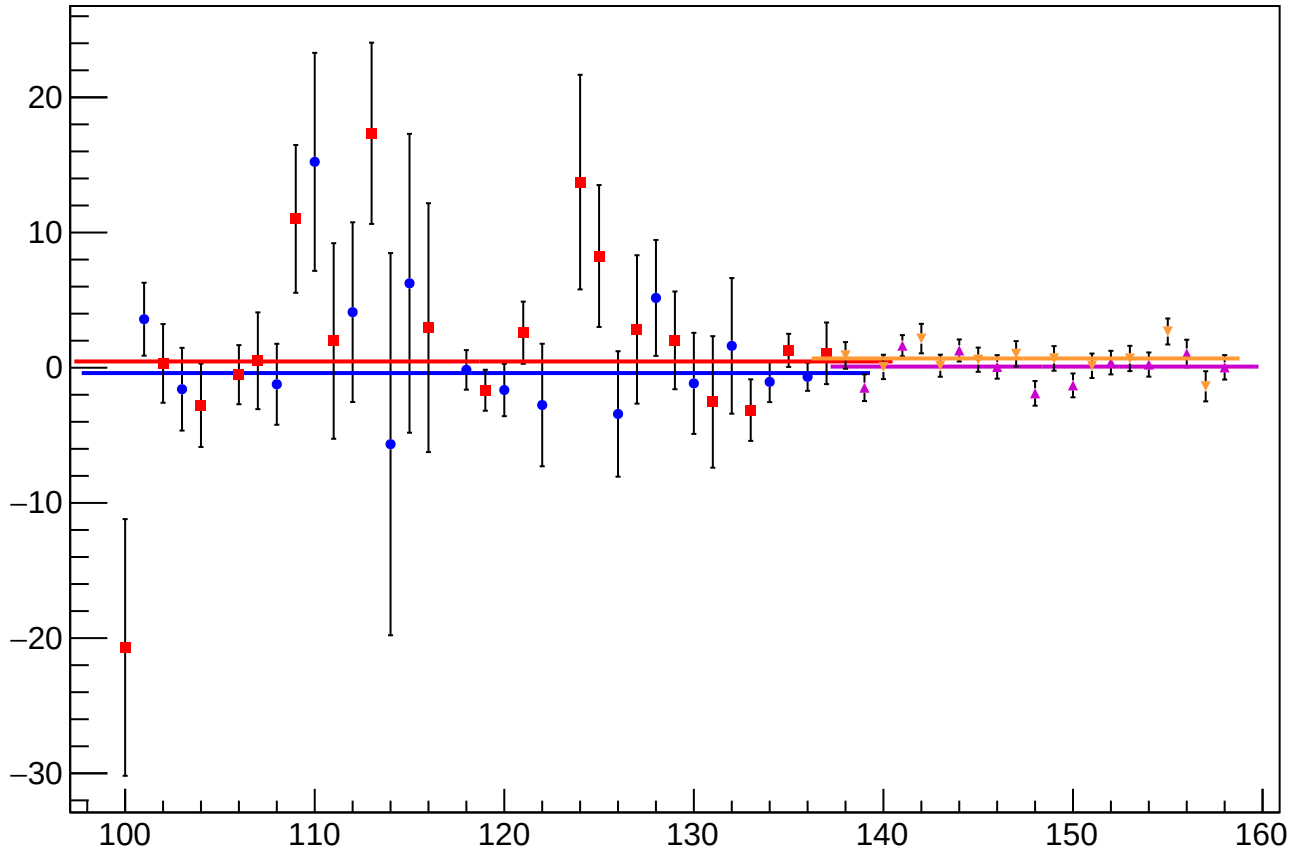
Left: 12223.849+/-2.094 χ^2/NDF: 498989.8/20

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13915.939+/-2.558 χ^2/NDF:2067101.4/25

Out: 13912.363+/-2.555 χ^2/NDF:2469212.2/29

All: 13914.149+/-1.808 χ^2/NDF: 4536314.6/5



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.686+/-0.283 χ^2/NDF:11.0/10

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.084+/-0.280 χ^2/NDF:16.8/9

Left: 0.382+/-0.199 χ^2/NDF: 30.1/20

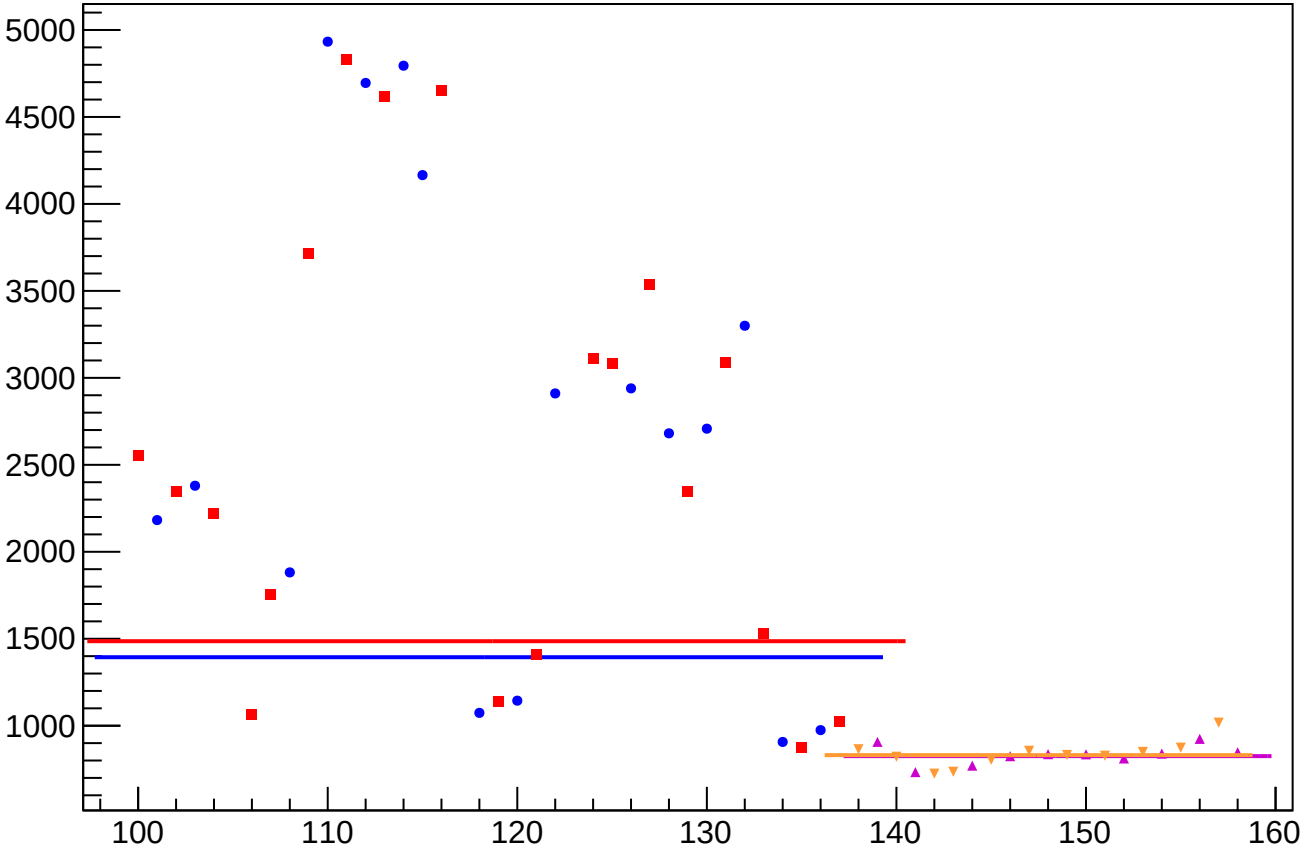
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.002+/-0.254 χ^2/NDF:27.7/25

Out: 0.649+/-0.259 χ^2/NDF:39.2/29

All: 0.318+/-0.181 χ^2/NDF: 70.1/55

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 830.994+/-0.200 χ^2/NDF:112997.2/10

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 825.243+/-0.198 χ^2/NDF:72135.9/9

Left: 828.087+/-0.141 χ^2/NDF: 185549.4/20

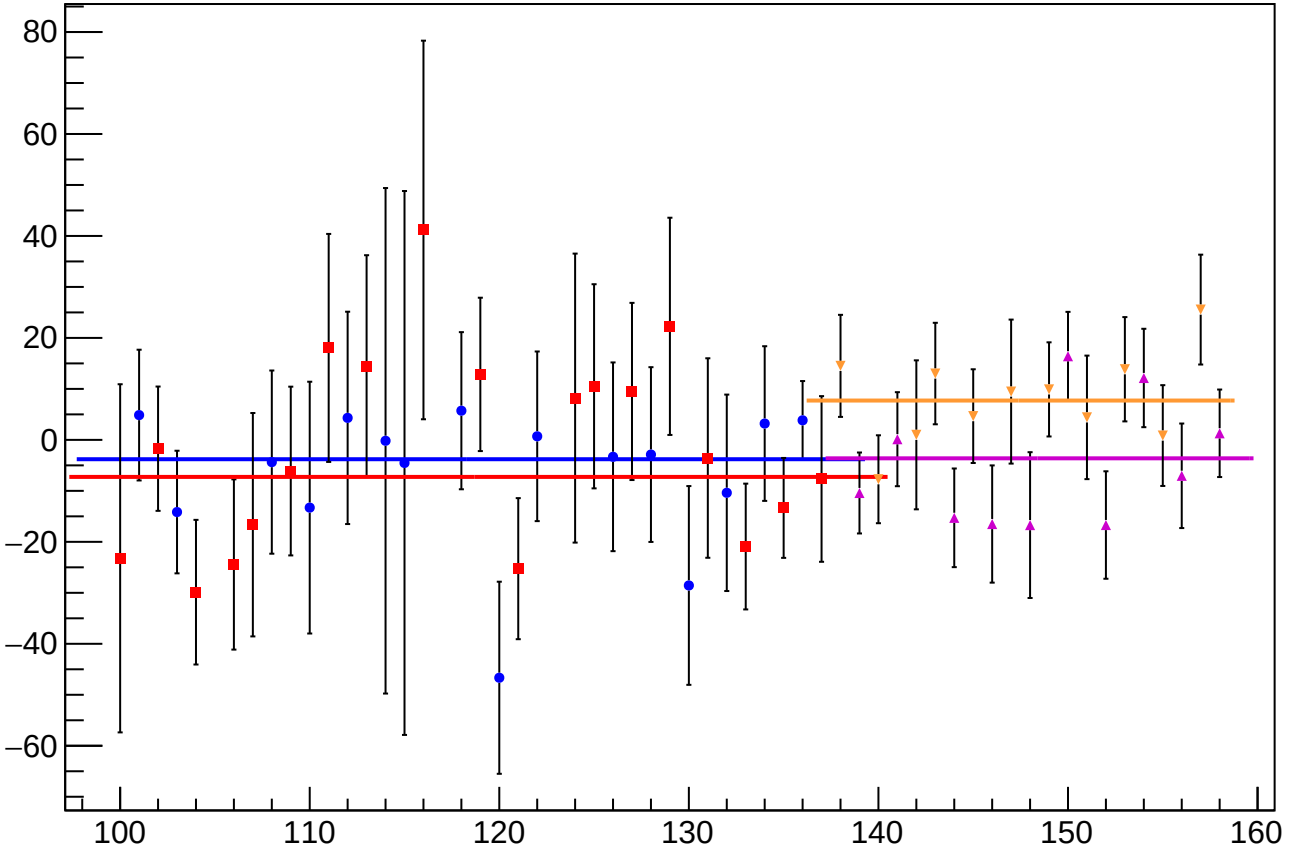
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 927.114+/-0.180 χ^2/NDF:4927230.9/25

Out: 940.142+/-0.183 χ^2/NDF:5291348.5/29

All: 933.507+/-0.128 χ^2/NDF: 10221161.0/55

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 7.715+/-3.131 χ^2/NDF:8.0/10

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -3.620+/-3.060 χ^2/NDF:14.4/9

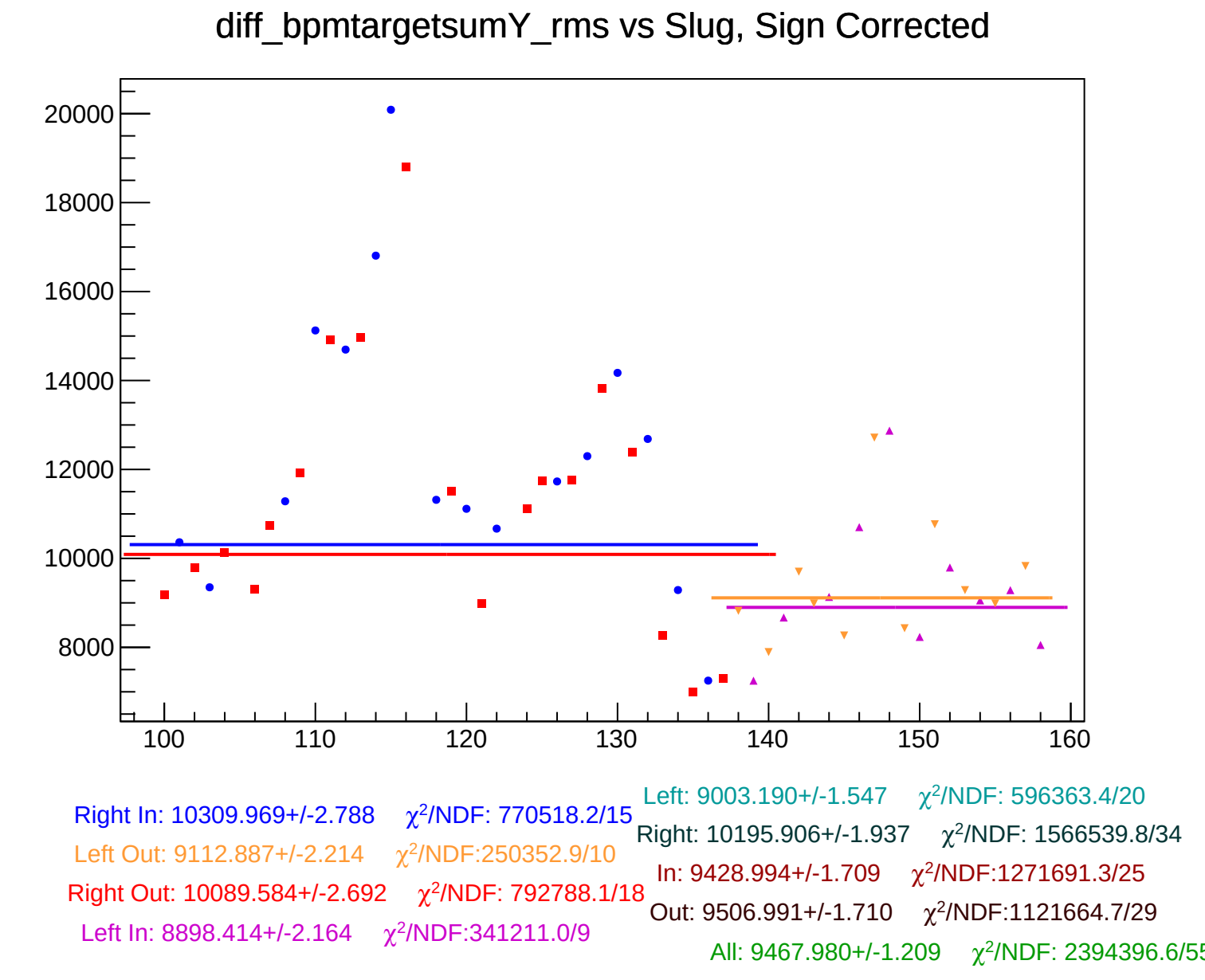
Left: 1.918+/-2.188 χ^2/NDF: 29.1/20

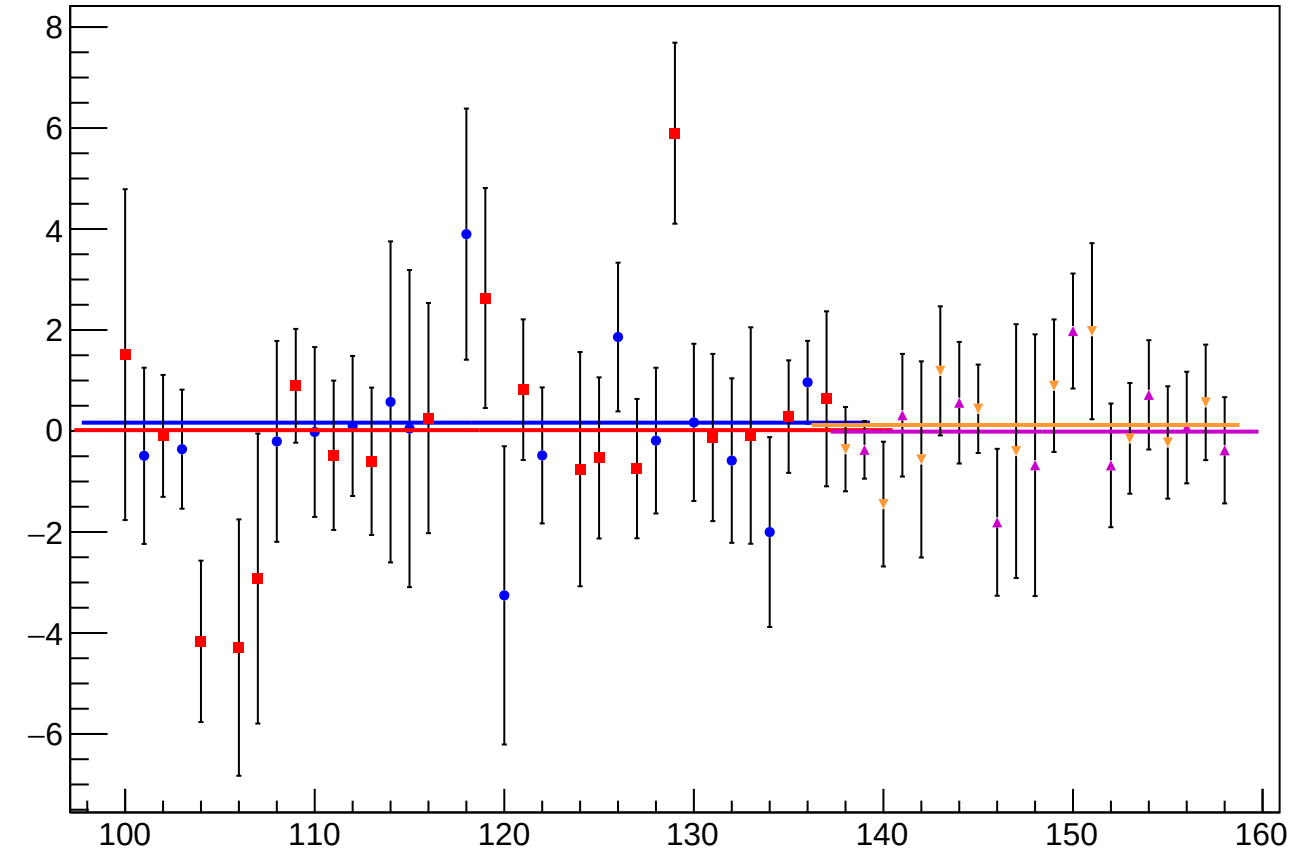
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.685+/-2.417 χ^2/NDF:24.5/25

Out: 1.671+/-2.418 χ^2/NDF:34.5/29

All: -1.008+/-1.710 χ^2/NDF: 61.4/55


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9112.887+/-2.214 χ²/NDF:250352.9/10
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 8898.414+/-2.164 χ²/NDF:341211.0/9
Left: 9003.190+/-1.547 χ²/NDF: 596363.4/20
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9428.994+/-1.709 χ²/NDF:1271691.3/25
Out: 9506.991+/-1.710 χ²/NDF:1121664.7/29
All: 9467.980+/-1.209 χ²/NDF: 2394396.6/55



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.119+/-0.359 χ^2/NDF:4.7/10

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.012+/-0.332 χ^2/NDF:6.2/9

Left: 0.048+/-0.244 χ^2/NDF: 11.0/20

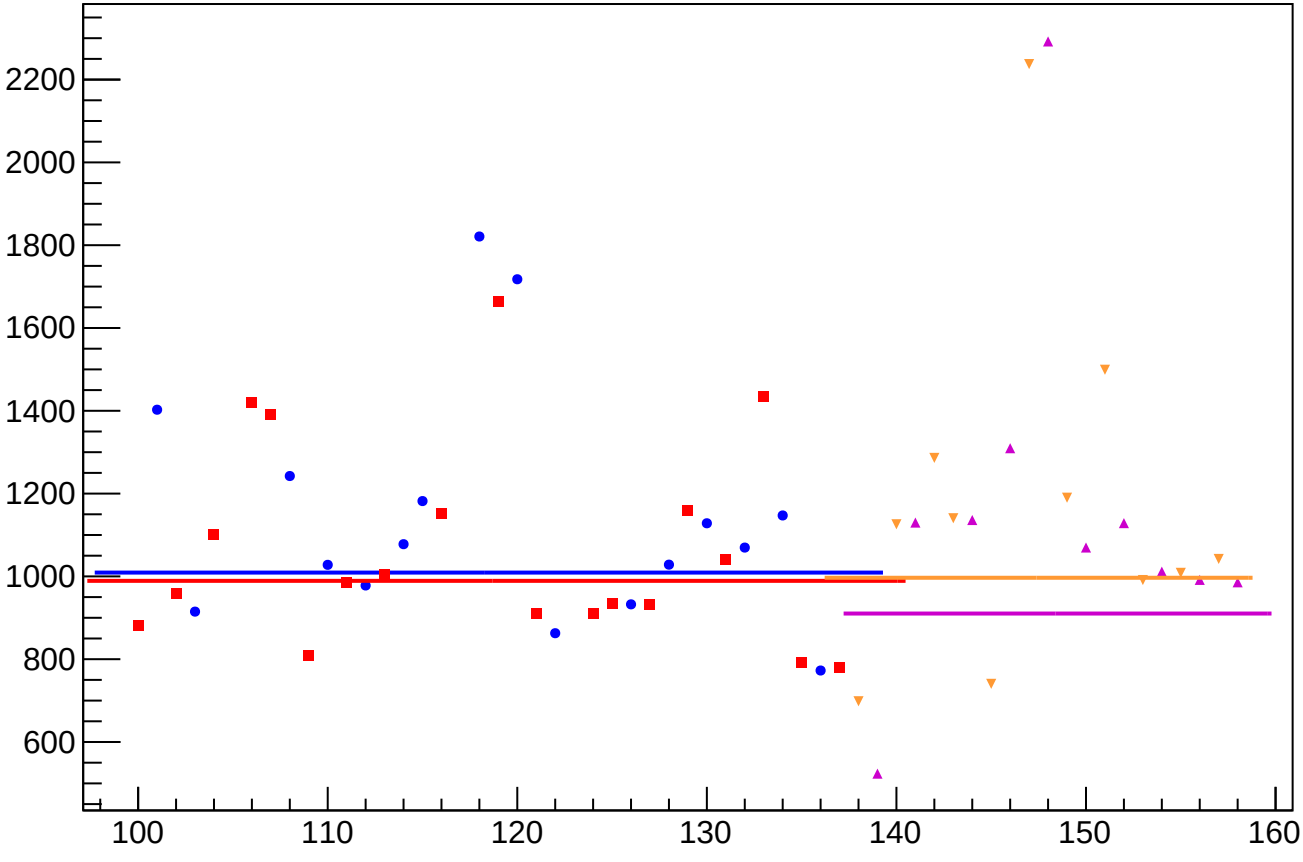
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.063+/-0.252 χ^2/NDF:14.5/25

Out: 0.070+/-0.259 χ^2/NDF:29.9/29

All: 0.067+/-0.180 χ^2/NDF: 44.4/55

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 996.693+/-0.254 χ^2/NDF:1219073.6/10

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 910.278+/-0.235 χ^2/NDF:1916215.3/9

Left: 950.066+/-0.172 χ^2/NDF: 3197706.2/20

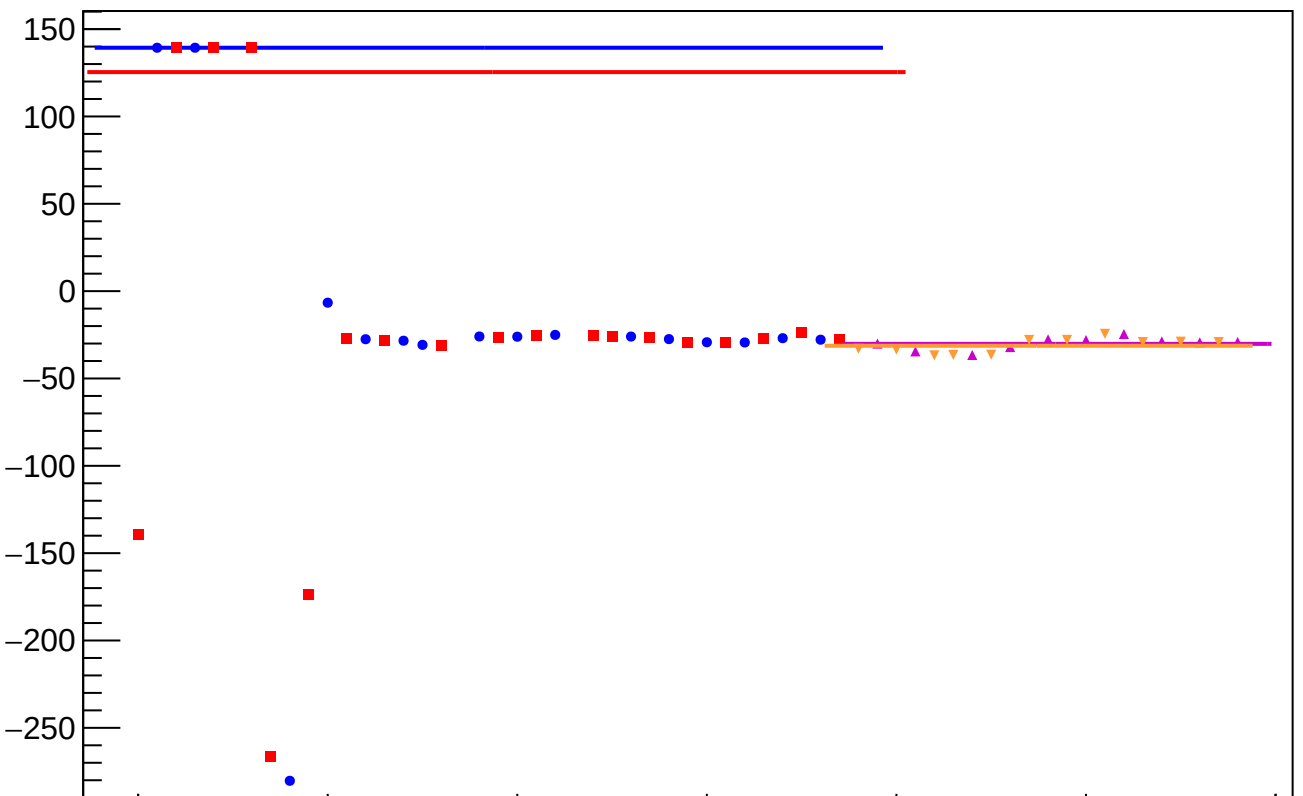
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 952.300+/-0.178 χ^2/NDF:2690997.8/25

Out: 993.101+/-0.183 χ^2/NDF:1795247.9/29

All: 972.160+/-0.128 χ^2/NDF: 4511815.5/55

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.277+/-0.000 χ^2/NDF:75318402.4/10

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -30.180+/-0.001 χ^2/NDF:52261538.0/9

Left: -30.747+/-0.000 χ^2/NDF: 130003113.9/20

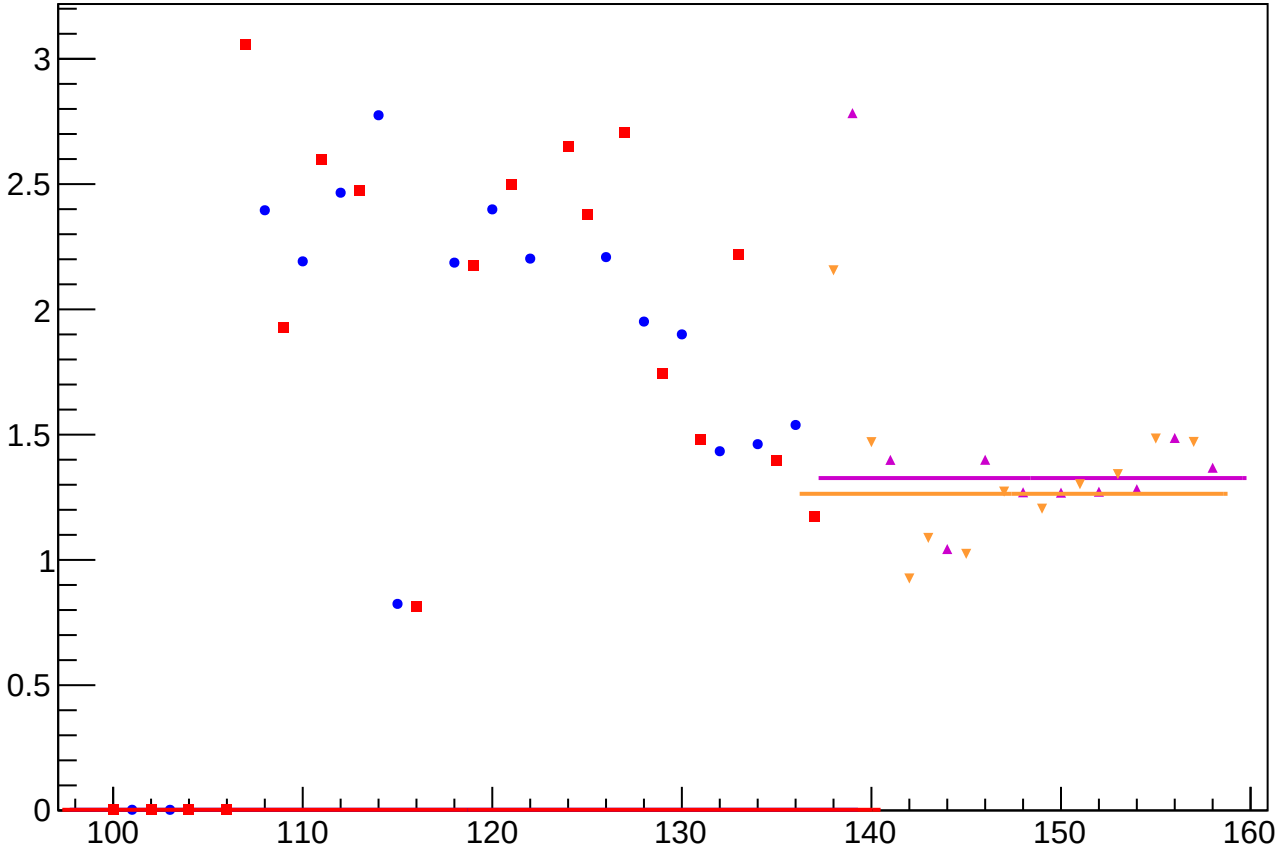
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.333+/-0.000 χ^2/NDF:159025576355.1/25

Out: 125.389+/-0.000 χ^2/NDF:774275493201552.

All: 131.815+/-0.000 χ^2/NDF: 793218170096

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.264+/-0.000 χ^2/NDF:488775.7/10

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.327+/-0.000 χ^2/NDF:583867.8/9

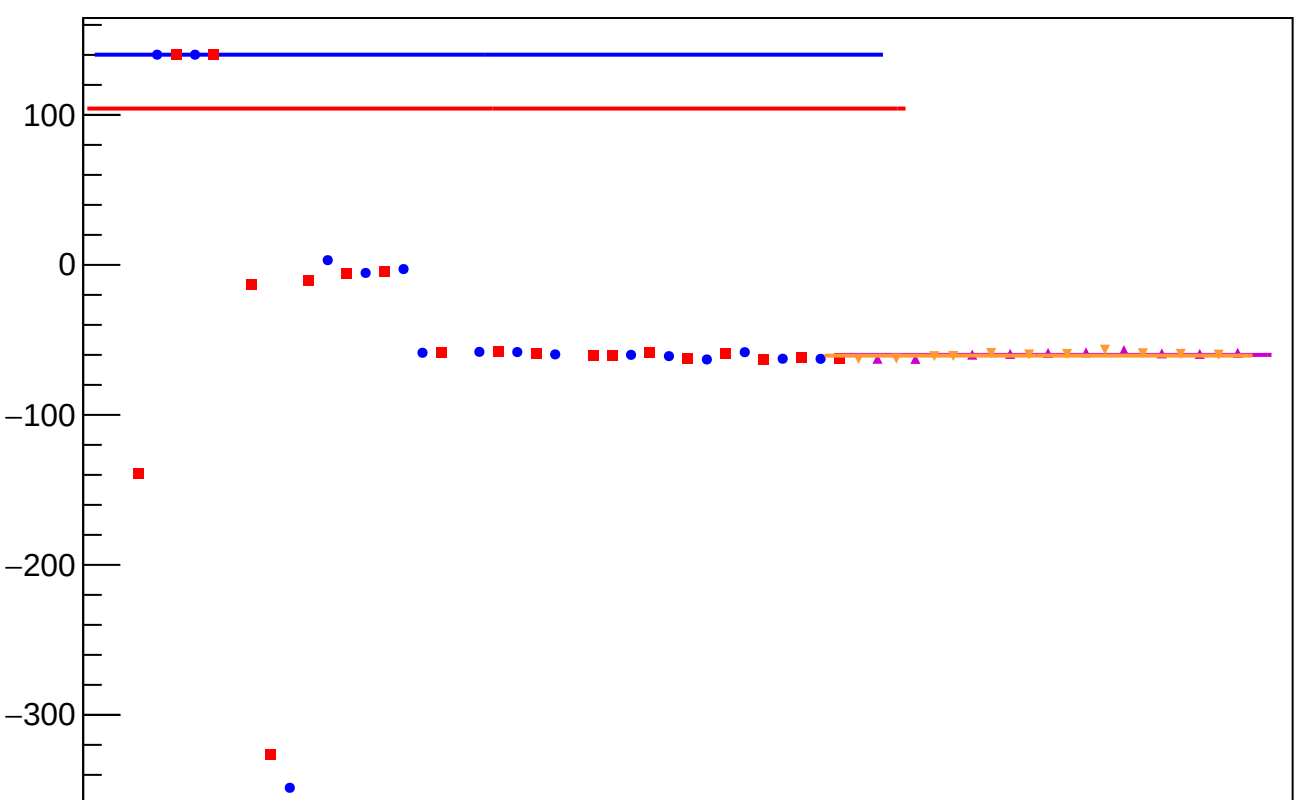
Left: 1.294+/-0.000 χ^2/NDF: 1088530.2/20

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

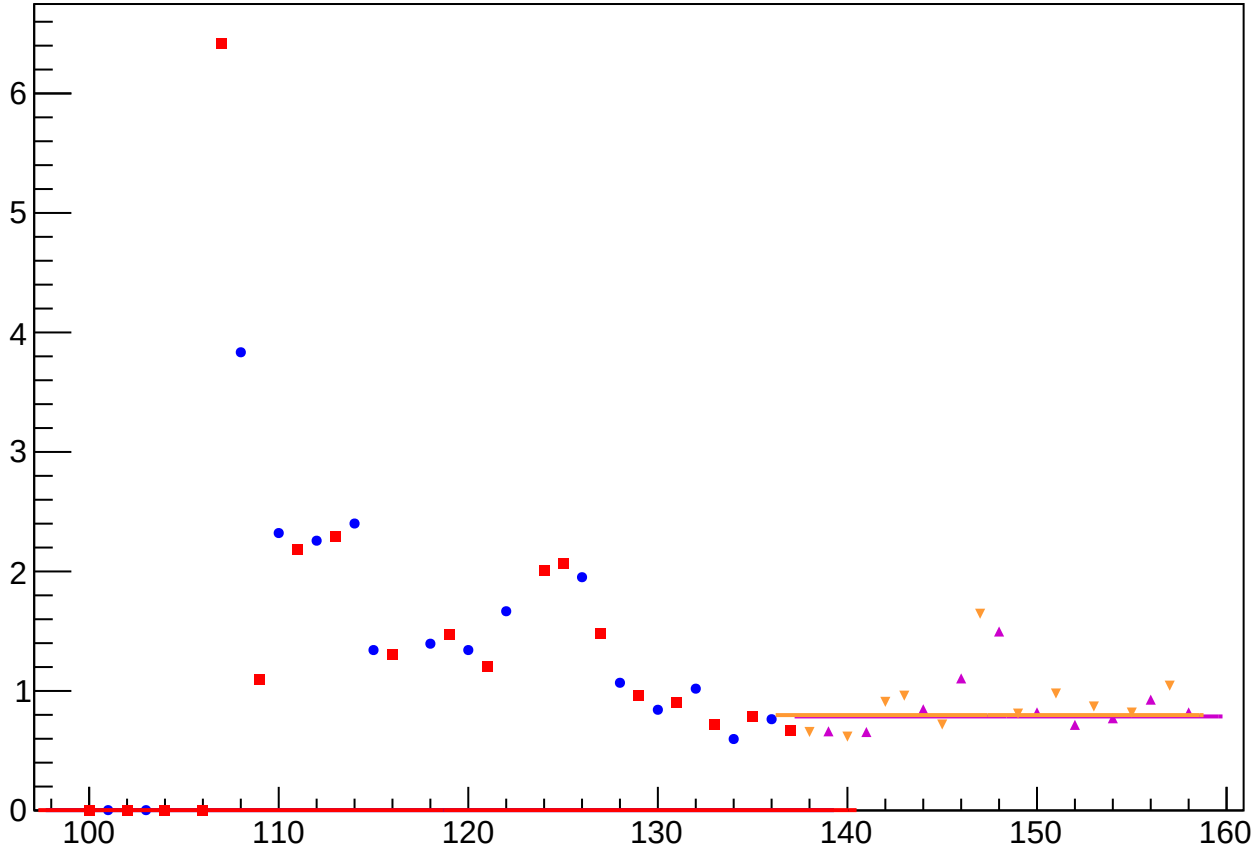
In: 0.003+/-0.000 χ^2/NDF:23800970.4/25

Out: 0.003+/-0.000 χ^2/NDF:23482316.7/29

All: 0.003+/-0.000 χ^2/NDF: 47283517.2/55


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -60.487+/-0.000 χ²/NDF:36243302.3/10
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -60.001+/-0.000 χ²/NDF:47425766.3/9
Left: -60.237+/-0.000 χ²/NDF: 84889828.8/20
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.132+/-0.000 χ²/NDF:611494781090.0/25
Out: 104.216+/-0.000 χ²/NDF:125767395968378
All: 120.822+/-0.000 χ²/NDF: 13815715663

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.798+/-0.000 χ^2/NDF:763860.5/10

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.787+/-0.000 χ^2/NDF:599593.4/9

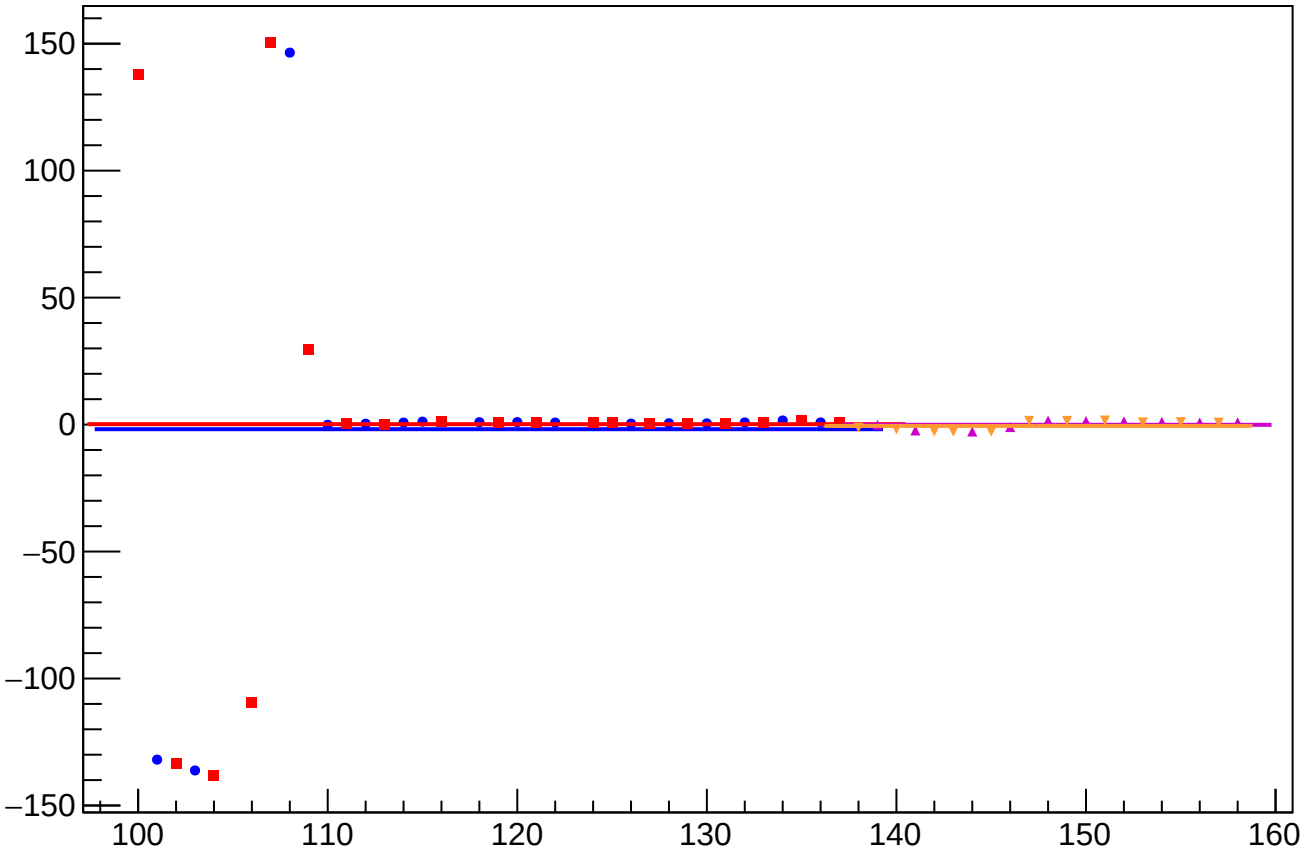
Left: 0.792+/-0.000 χ^2/NDF: 1364775.4/20

Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:24189064.4/25

Out: 0.003+/-0.000 χ^2/NDF:23716427.7/29

All: 0.003+/-0.000 χ^2/NDF: 47905813.2/55



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.527+/-0.000 χ^2/NDF:79522390.3/10

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -0.082+/-0.000 χ^2/NDF:59531170.9/9

Left: -0.311+/-0.000 χ^2/NDF: 141312898.3/20

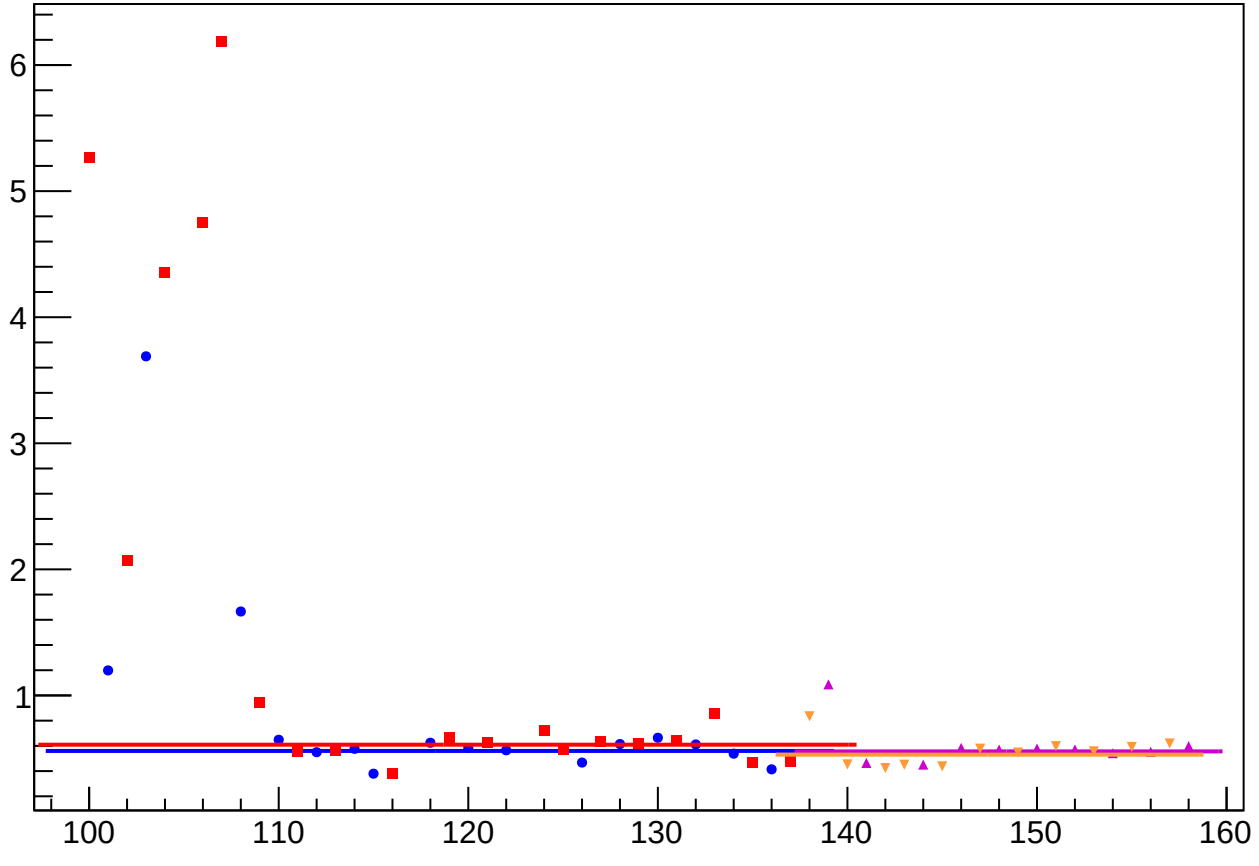
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.814+/-0.000 χ^2/NDF:9974824550.7/25

Out: -0.276+/-0.000 χ^2/NDF:3694847785.6/29

All: -0.550+/-0.000 χ^2/NDF: 13675104934.5/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.531+/-0.000 χ^2/NDF:409334.6/10

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.556+/-0.000 χ^2/NDF:535005.3/9

Left: 0.543+/-0.000 χ^2/NDF: 959300.8/20

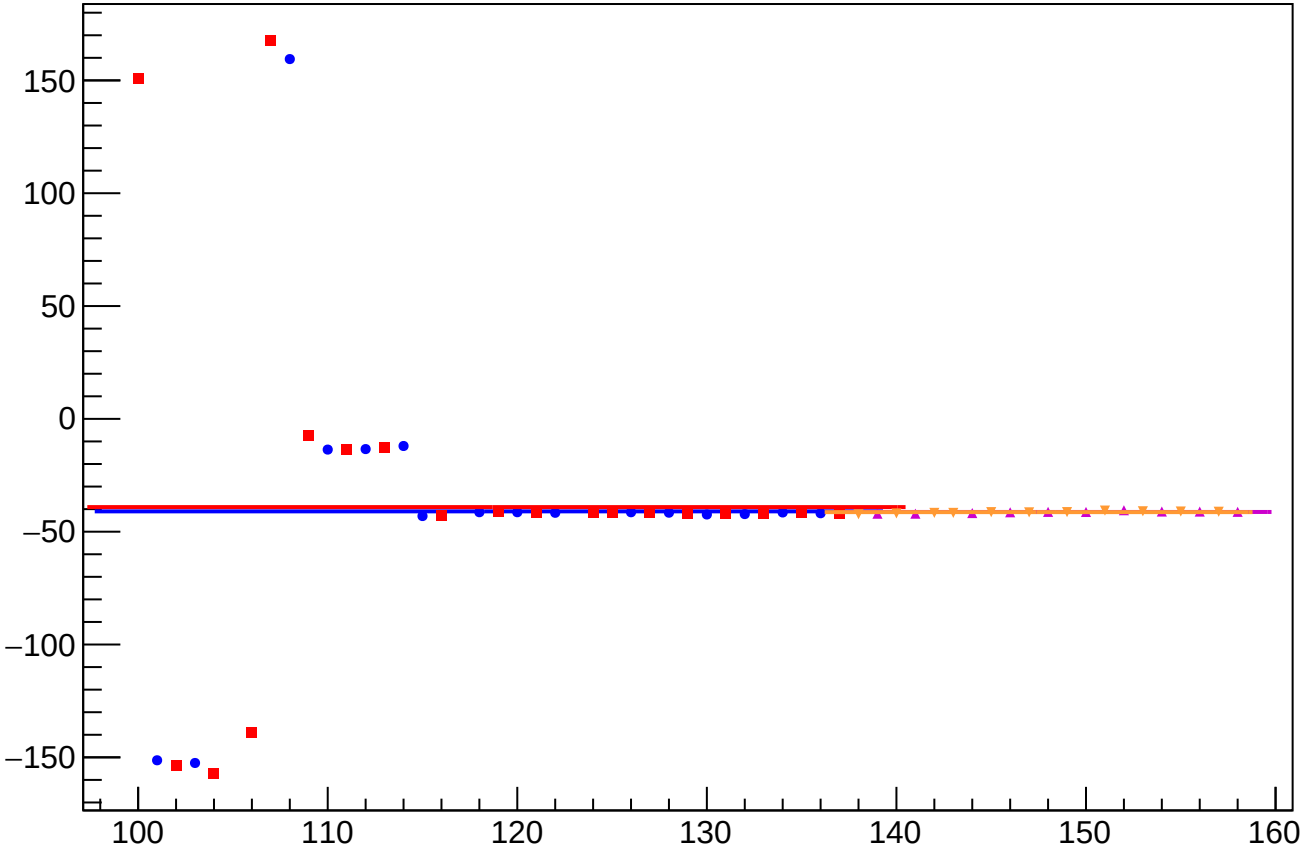
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.558+/-0.000 χ^2/NDF:2133692.1/25

Out: 0.559+/-0.000 χ^2/NDF:2991216.4/29

All: 0.558+/-0.000 χ^2/NDF: 5124984.1/55

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.324+/-0.000 χ^2/NDF:9227766.1/10

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.256+/-0.000 χ^2/NDF:12016763.8/9

Left: -41.290+/-0.000 χ^2/NDF: 21397176.2/20

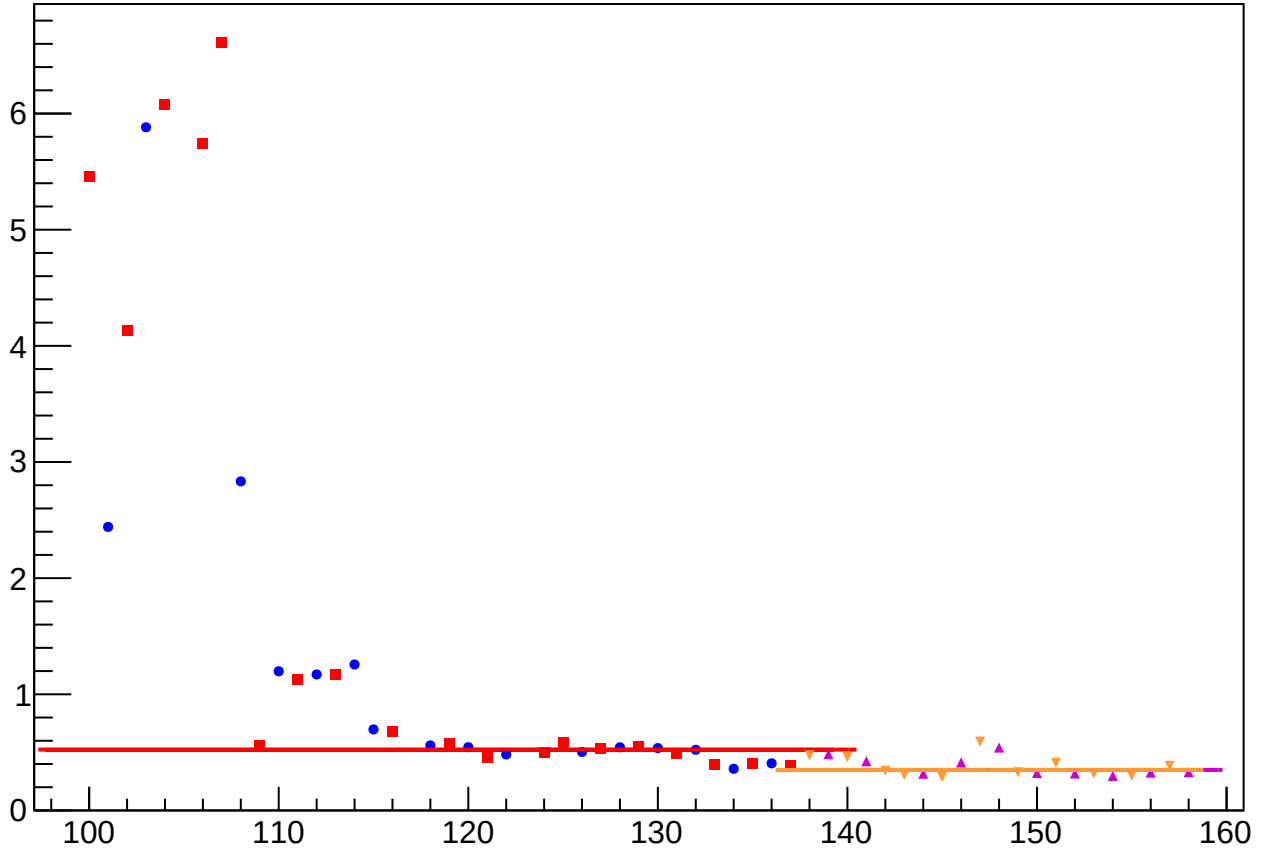
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.197+/-0.000 χ^2/NDF:3462678471.4/25

Out: -40.842+/-0.000 χ^2/NDF:2558652000.4/29

All: -41.021+/-0.000 χ^2/NDF: 6026576306.3/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.349+/-0.000 χ^2/NDF:663825.3/10

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.349+/-0.000 χ^2/NDF:515341.1/9

Left: 0.349+/-0.000 χ^2/NDF: 1179167.7/20

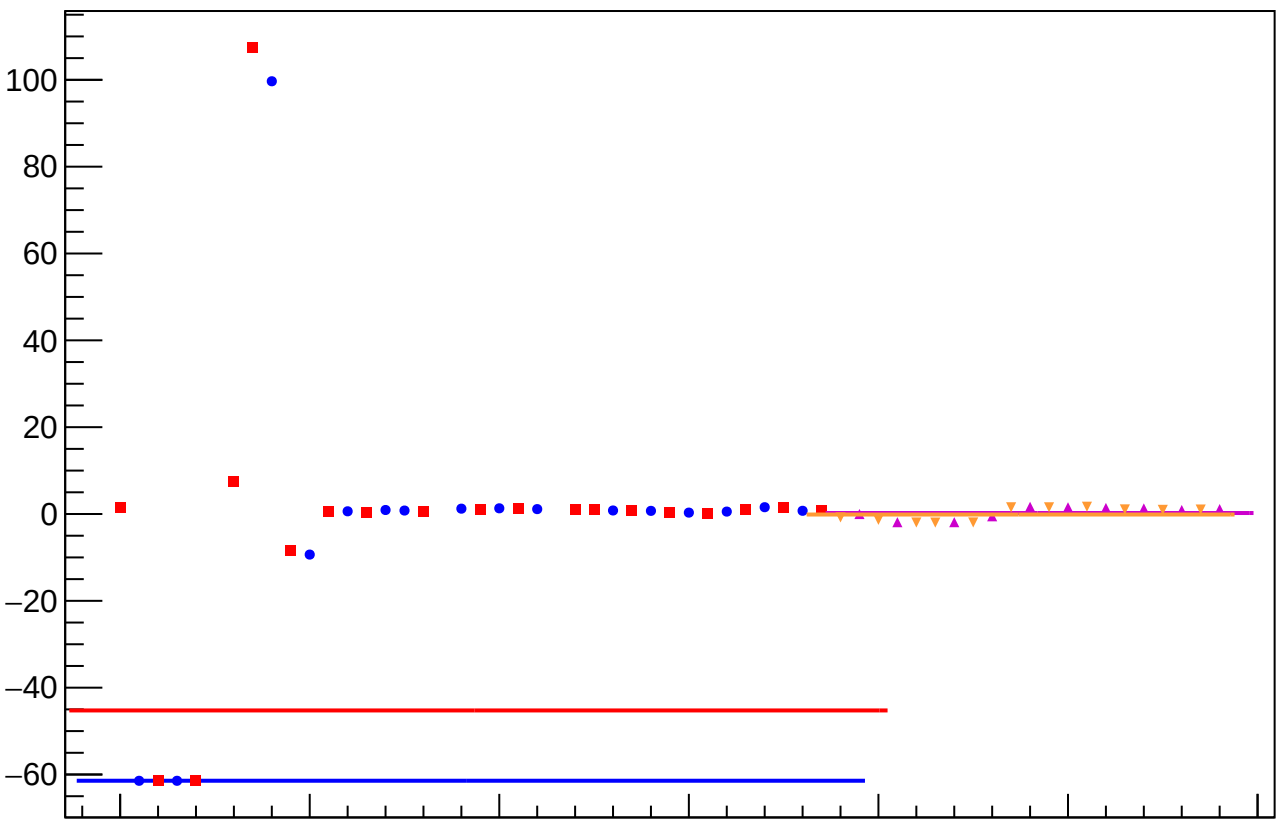
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.387+/-0.000 χ^2/NDF:4329167.1/25

Out: 0.387+/-0.000 χ^2/NDF:4790461.7/29

All: 0.387+/-0.000 χ^2/NDF: 9119630.4/55

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.120+/-0.000 χ^2/NDF:78959903.1/10

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.227+/-0.000 χ^2/NDF:63975852.0/9

Left: 0.049+/-0.000 χ^2/NDF: 144877868.7/20

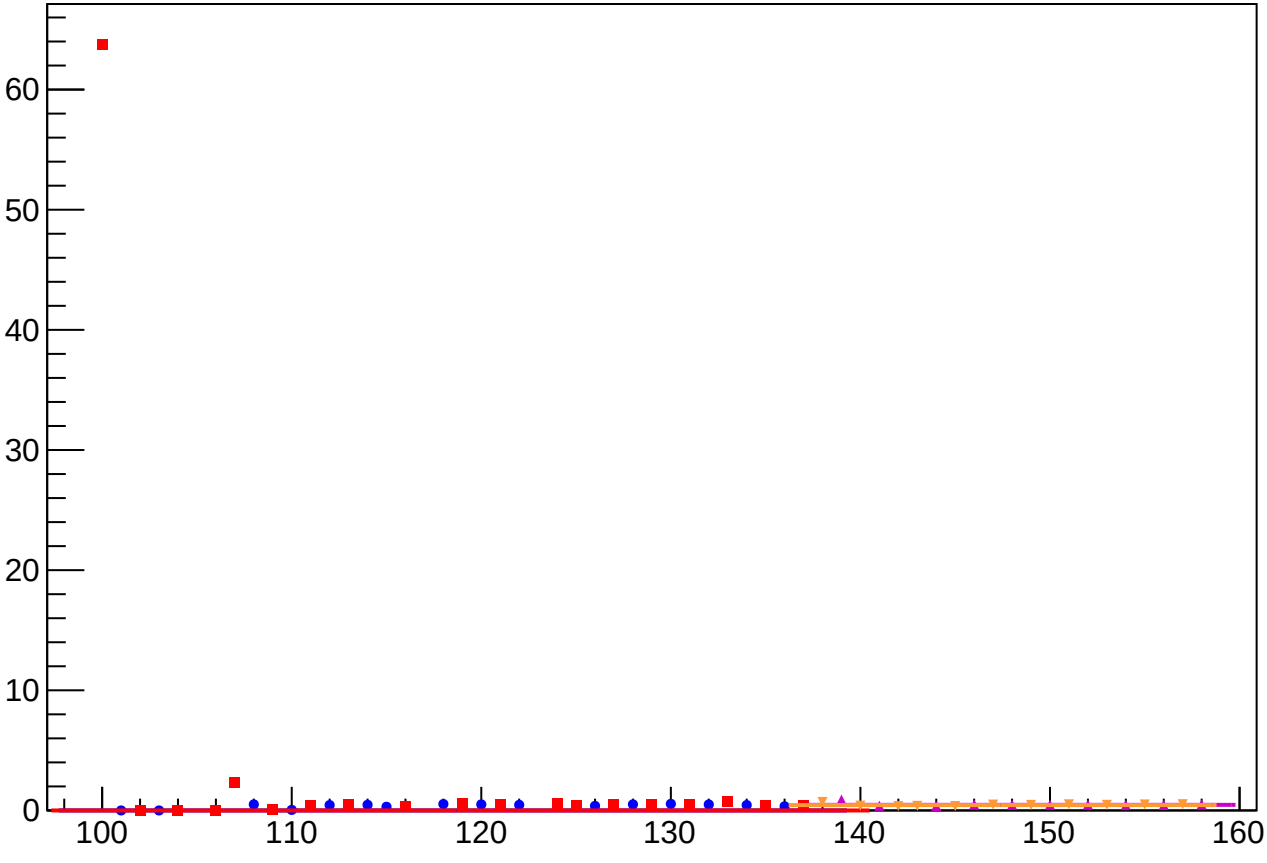
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.431+/-0.000 χ^2/NDF:393096207623.8/25

Out: -45.242+/-0.000 χ^2/NDF:357937770814040.9

All: -52.745+/-0.000 χ^2/NDF: 409301920600

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.448+/-0.000 χ^2/NDF:401407.4/10

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.467+/-0.000 χ^2/NDF:530823.0/9

Left: 0.457+/-0.000 χ^2/NDF: 943409.3/20

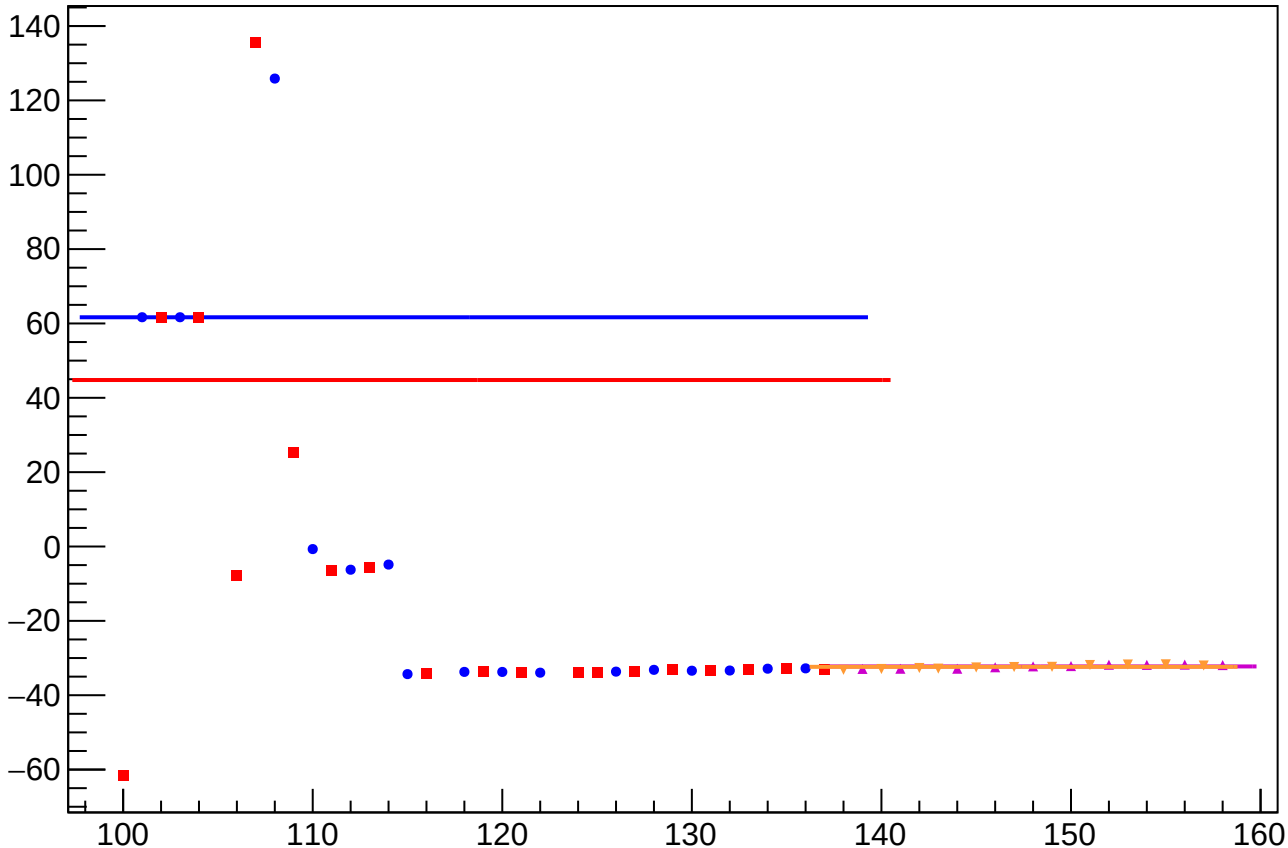
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:23309038.7/25

Out: 0.001+/-0.000 χ^2/NDF:22957276.1/29

All: 0.002+/-0.000 χ^2/NDF: 46266336.9/55

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.365+/-0.000 χ^2/NDF:21752963.8/10

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.257+/-0.000 χ^2/NDF:19913304.9/9

Left: -32.310+/-0.000 χ^2/NDF: 42198169.6/20

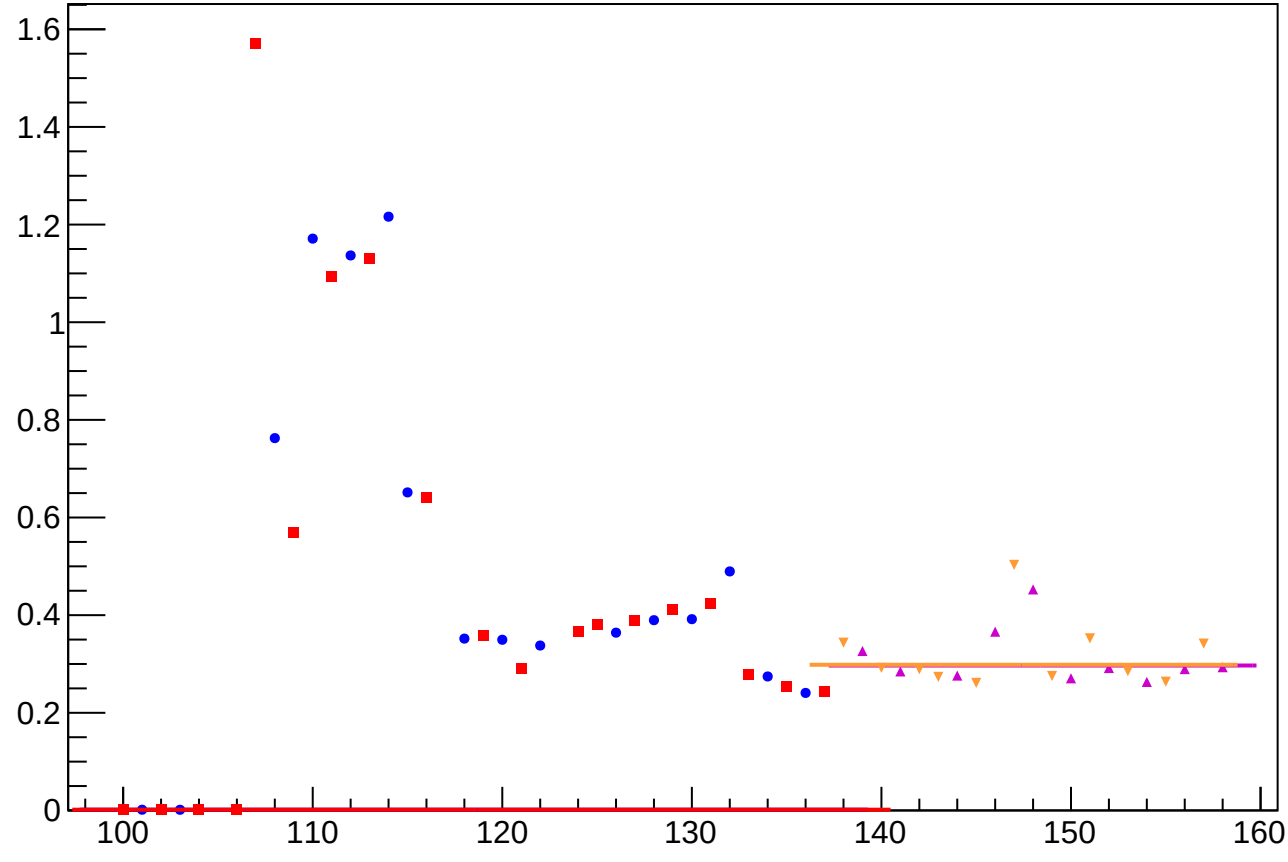
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.636+/-0.000 χ^2/NDF:1192677610334.5/25

Out: 44.767+/-0.000 χ^2/NDF:366634518570348.6

All: 52.667+/-0.000 χ^2/NDF: 418974879187

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.298+/-0.000 χ^2/NDF:440474.0/10

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.297+/-0.000 χ^2/NDF:319023.1/9

Left: 0.298+/-0.000 χ^2/NDF: 759700.4/20

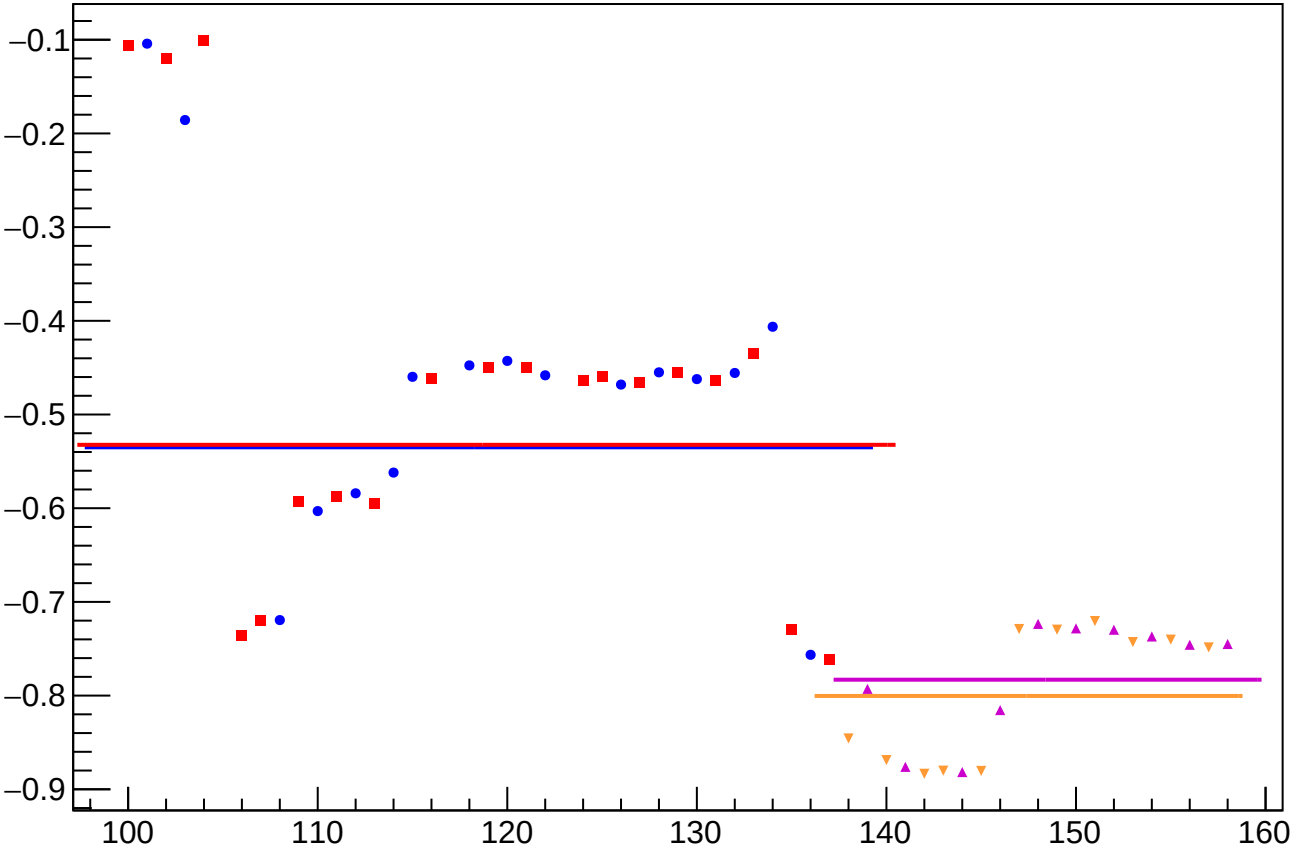
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:27625321.3/25

Out: 0.002+/-0.000 χ^2/NDF:26976972.8/29

All: 0.002+/-0.000 χ^2/NDF: 54602314.1/55

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.800+/-0.000 χ^2/NDF:88442919.4/10

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.783+/-0.000 χ^2/NDF:67475030.2/9

Left: -0.792+/-0.000 χ^2/NDF: 158516195.5/20

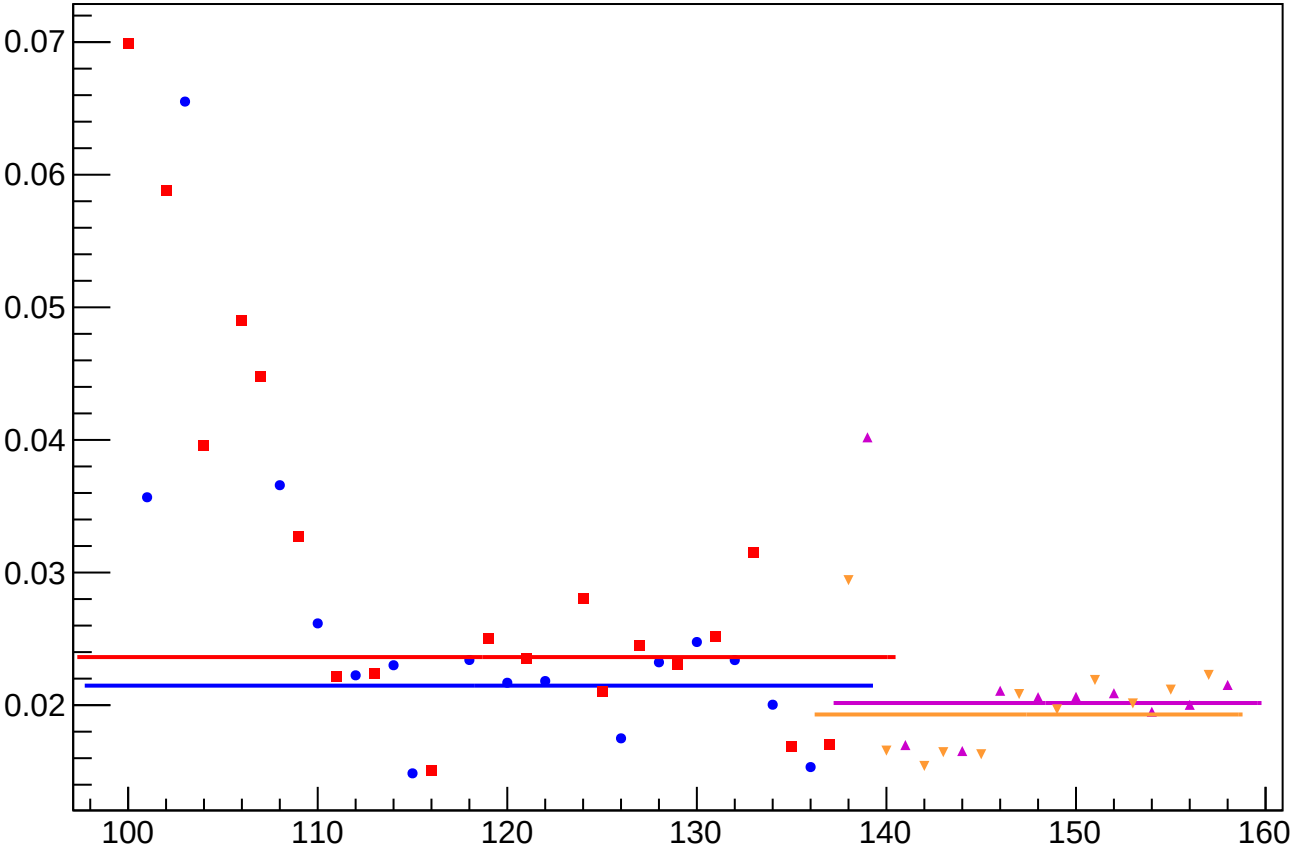
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.682+/-0.000 χ^2/NDF:791077982.8/25

Out: -0.704+/-0.000 χ^2/NDF:762263869.5/29

All: -0.693+/-0.000 χ^2/NDF: 1560365403.9/5

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:360248.0/10

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:536663.4/9

Left: 0.020+/-0.000 χ^2/NDF: 909837.9/20

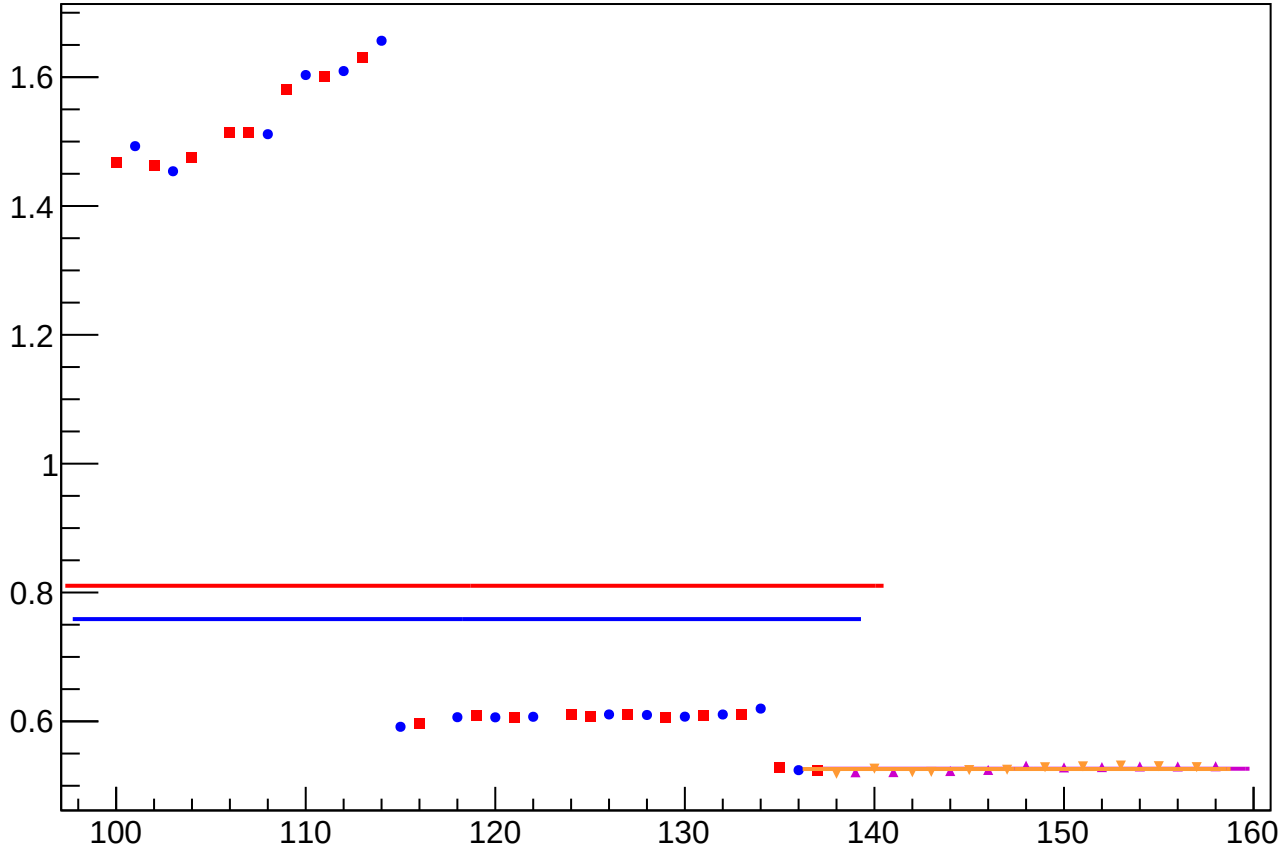
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1714242.2/25

Out: 0.021+/-0.000 χ^2/NDF:1877316.3/29

All: 0.021+/-0.000 χ^2/NDF: 3592247.8/55

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.526+/-0.000 χ^2/NDF:910494.8/10

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.526+/-0.000 χ^2/NDF:795884.6/9

Left: 0.526+/-0.000 χ^2/NDF: 1711612.2/20

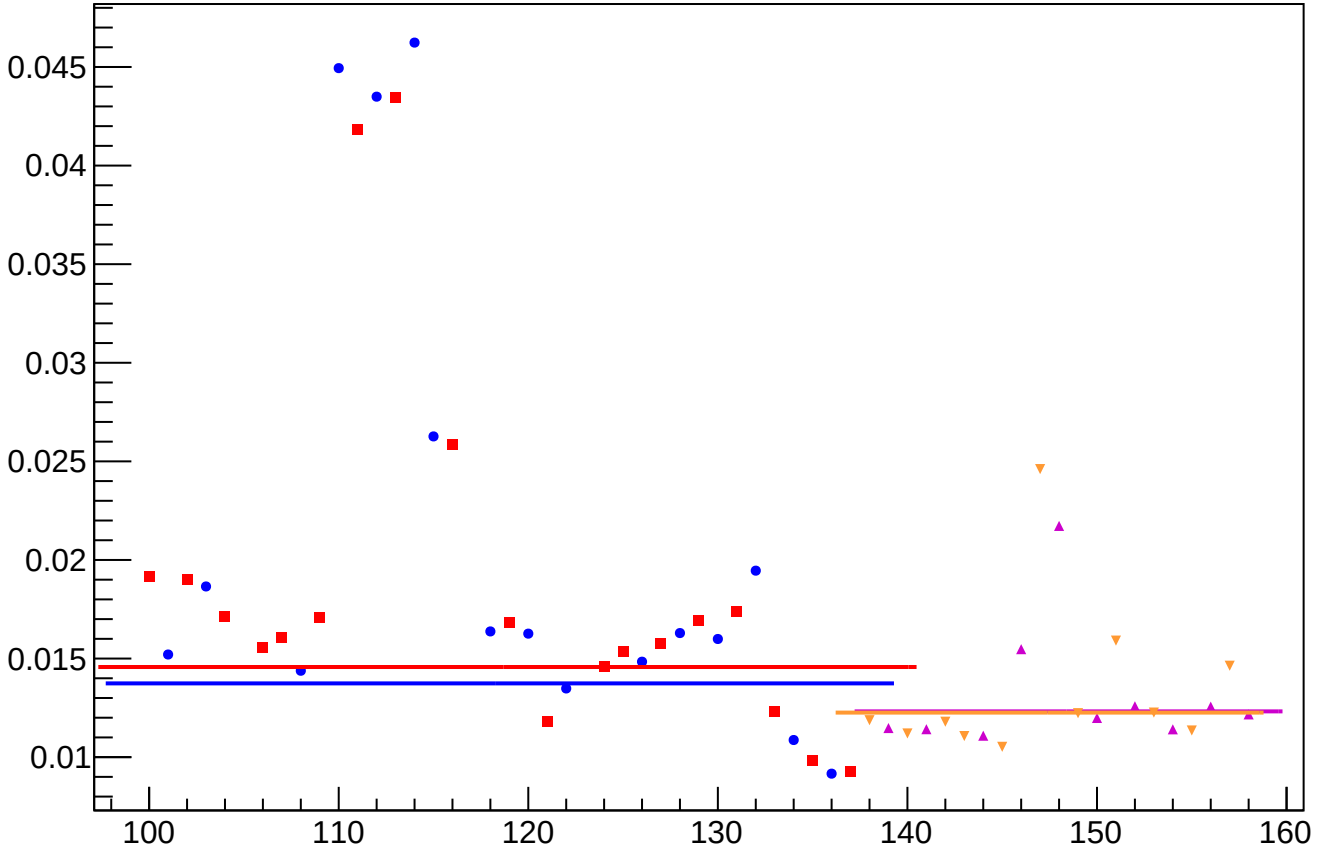
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.612+/-0.000 χ^2/NDF:5378375543.1/25

Out: 0.627+/-0.000 χ^2/NDF:6303994125.1/29

All: 0.619+/-0.000 χ^2/NDF: 11691577166.9/5

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:611588.4/10

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:416225.4/9

Left: 0.012+/-0.000 χ^2/NDF: 1028017.4/20

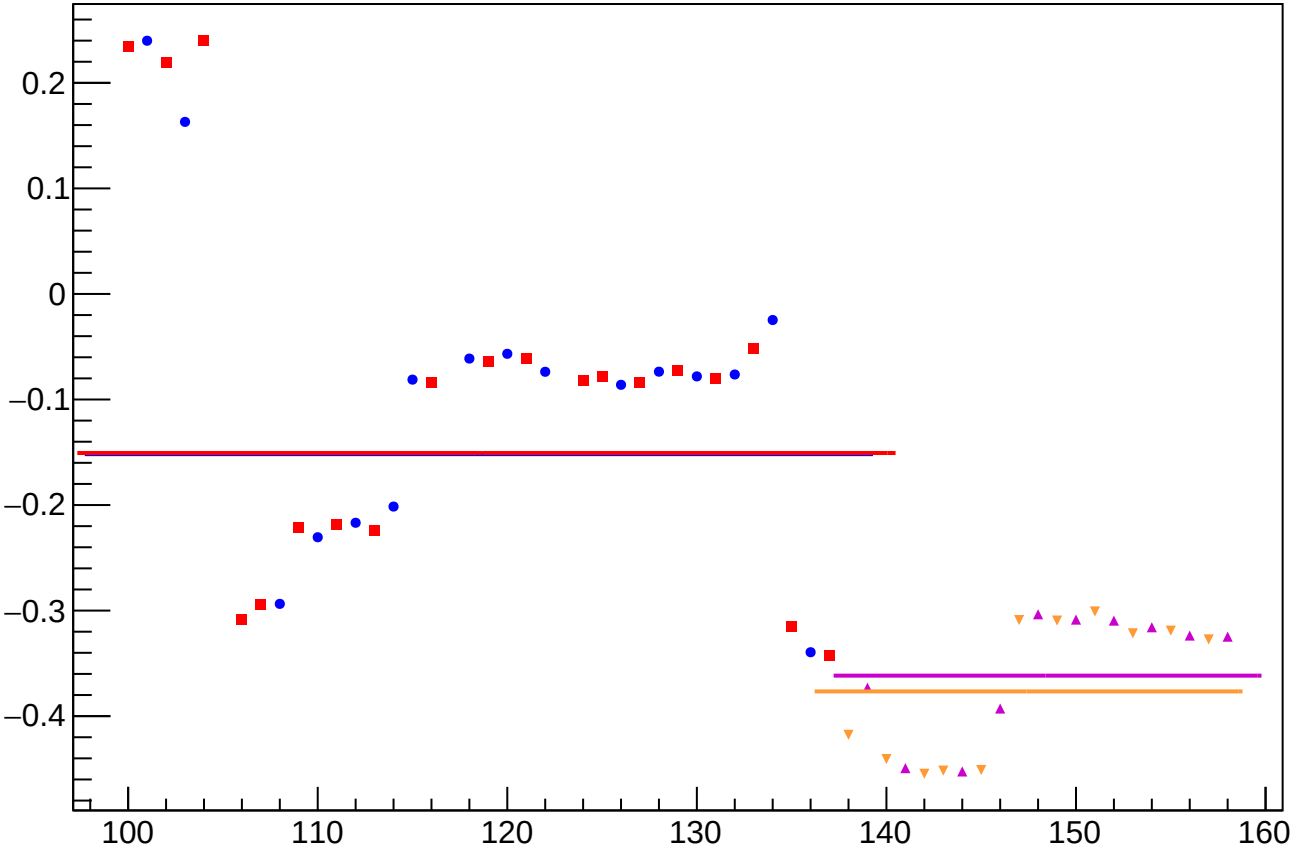
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2146158.4/25

Out: 0.013+/-0.000 χ^2/NDF:2269224.5/29

All: 0.013+/-0.000 χ^2/NDF: 4420027.3/55

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.377+/-0.000 χ^2/NDF:86734573.5/10

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.362+/-0.000 χ^2/NDF:68733707.9/9

Left: -0.369+/-0.000 χ^2/NDF: 157600112.2/20

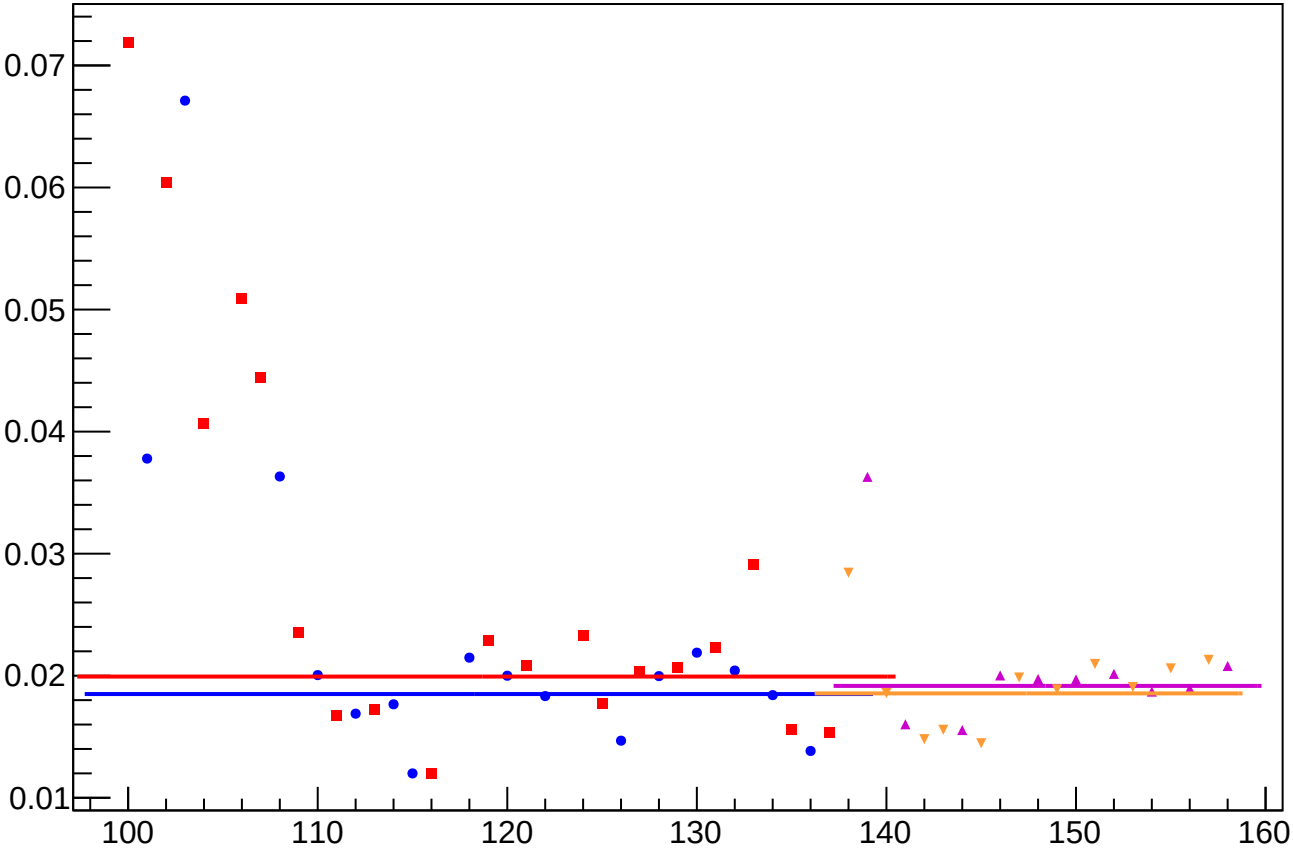
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.267+/-0.000 χ^2/NDF:717958620.5/25

Out: -0.283+/-0.000 χ^2/NDF:696545537.8/29

All: -0.275+/-0.000 χ^2/NDF: 1418968792.9/5

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:396804.8/10

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:512927.0/9

Left: 0.019+/-0.000 χ^2/NDF: 916970.0/20

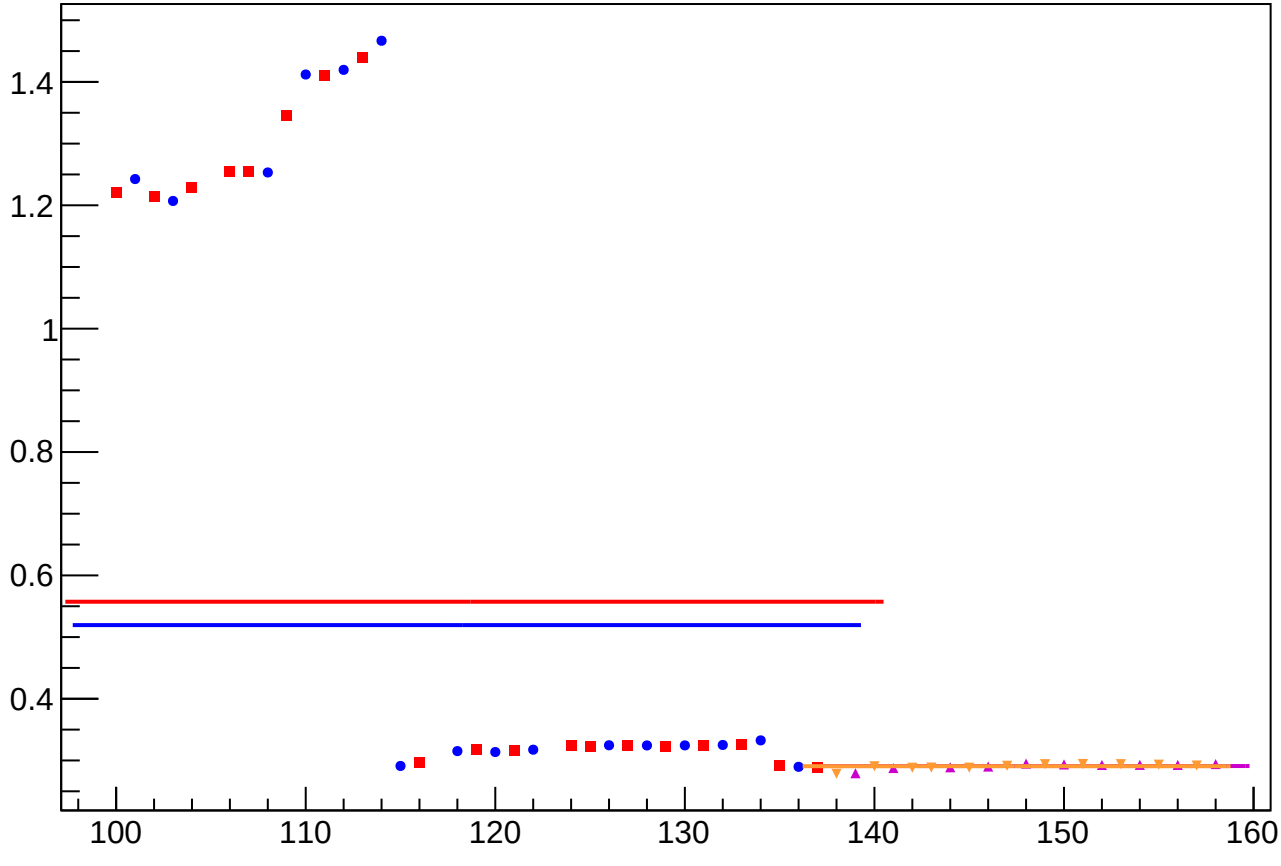
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1892843.5/25

Out: 0.019+/-0.000 χ^2/NDF:1975009.2/29

All: 0.019+/-0.000 χ^2/NDF: 3870061.4/55

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1018910.4/10

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1116844.7/9

Left: 0.291+/-0.000 χ^2/NDF: 2138179.1/20

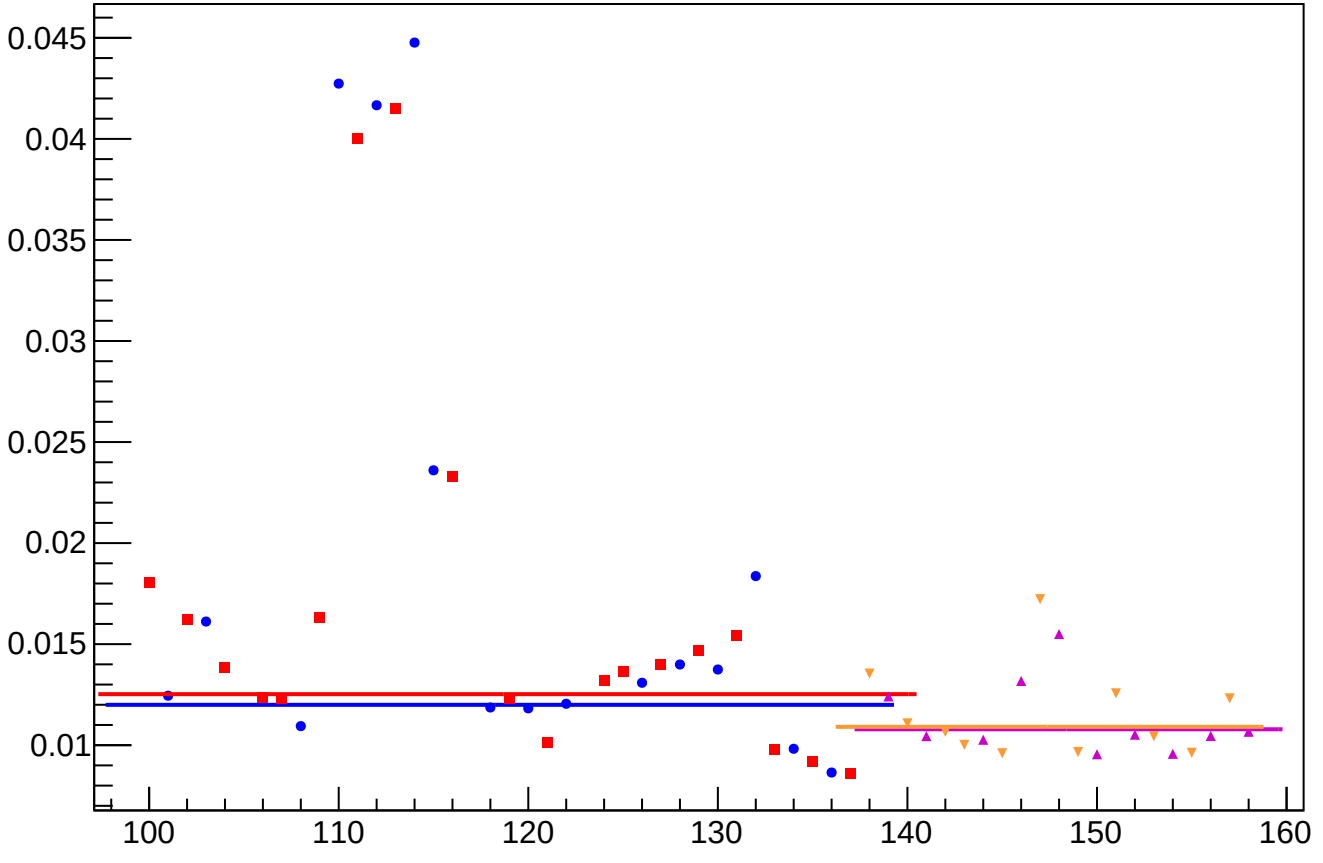
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.375+/-0.000 χ^2/NDF:7683712414.4/25

Out: 0.388+/-0.000 χ^2/NDF:8508524335.4/29

All: 0.382+/-0.000 χ^2/NDF: 16201155330.4/5

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:420058.1/10

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:295958.3/9

Left: 0.011+/-0.000 χ^2/NDF: 717029.9/20

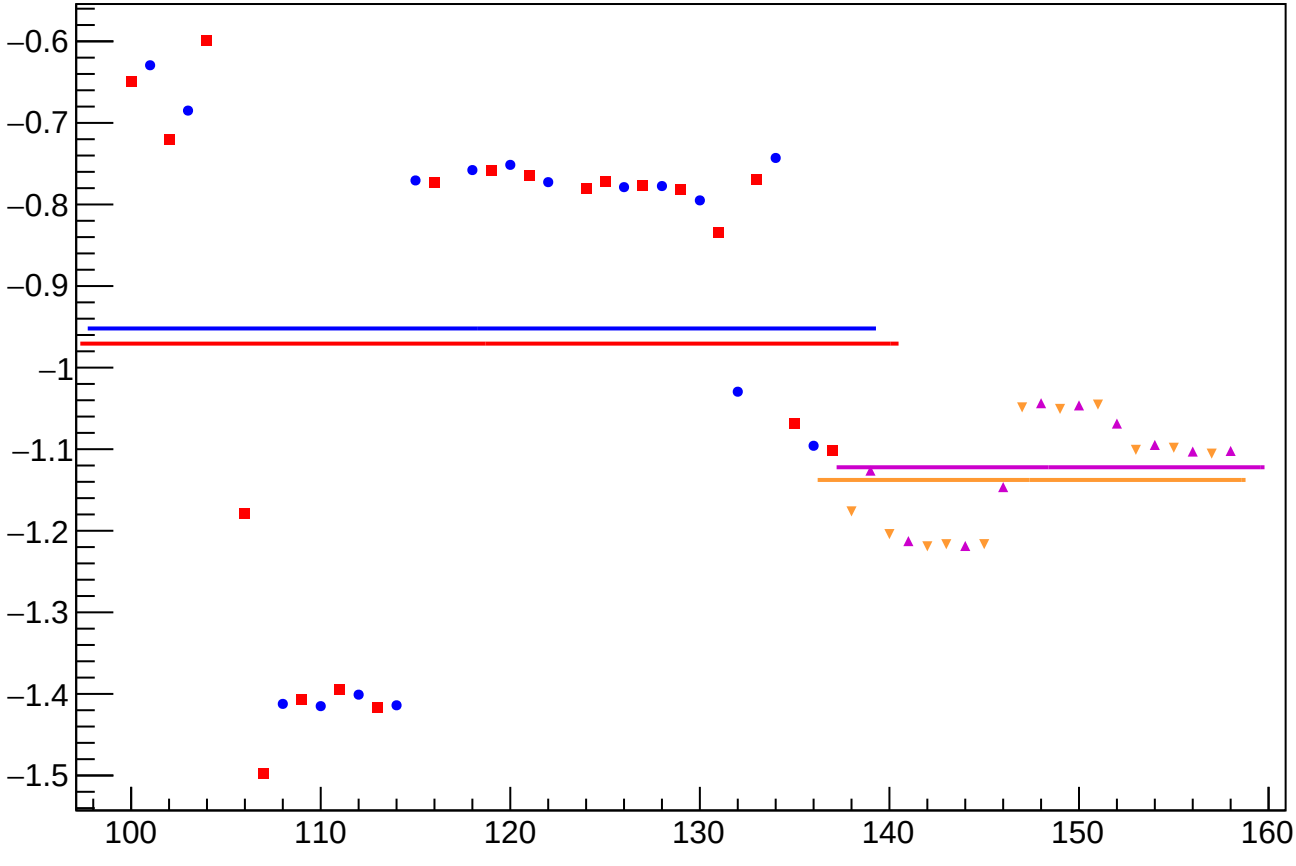
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1864062.9/25

Out: 0.011+/-0.000 χ^2/NDF:1983861.2/29

All: 0.011+/-0.000 χ^2/NDF: 3855601.8/55

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.138+/-0.000 χ^2/NDF:94238490.9/10

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.122+/-0.000 χ^2/NDF:71155736.8/9

Left: -1.130+/-0.000 χ^2/NDF: 167588362.5/20

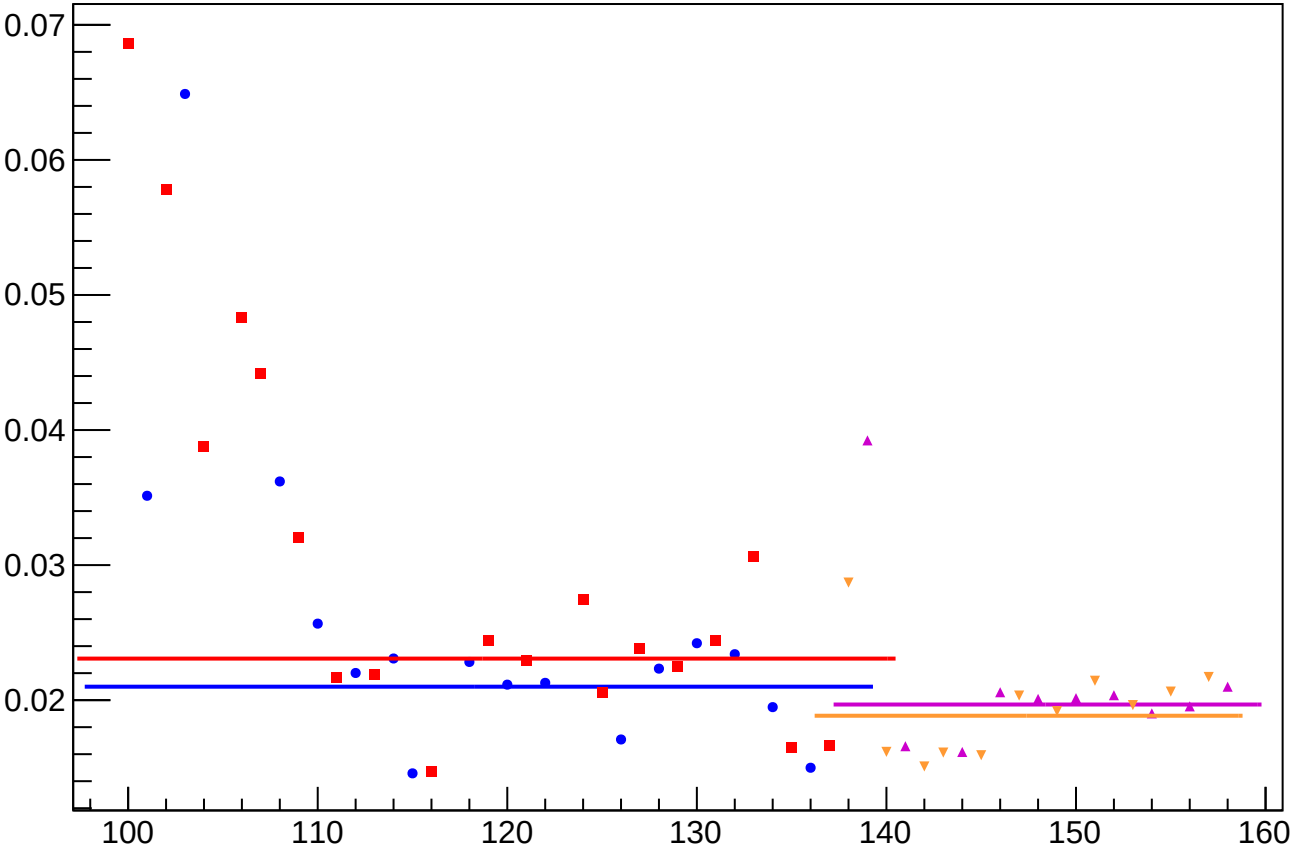
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.053+/-0.000 χ^2/NDF:978833046.1/25

Out: -1.078+/-0.000 χ^2/NDF:995681349.2/29

All: -1.065+/-0.000 χ^2/NDF: 1983669537.5/5

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:357018.9/10

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.020+/-0.000 χ^2/NDF:535591.7/9

Left: 0.019+/-0.000 χ^2/NDF: 905125.6/20

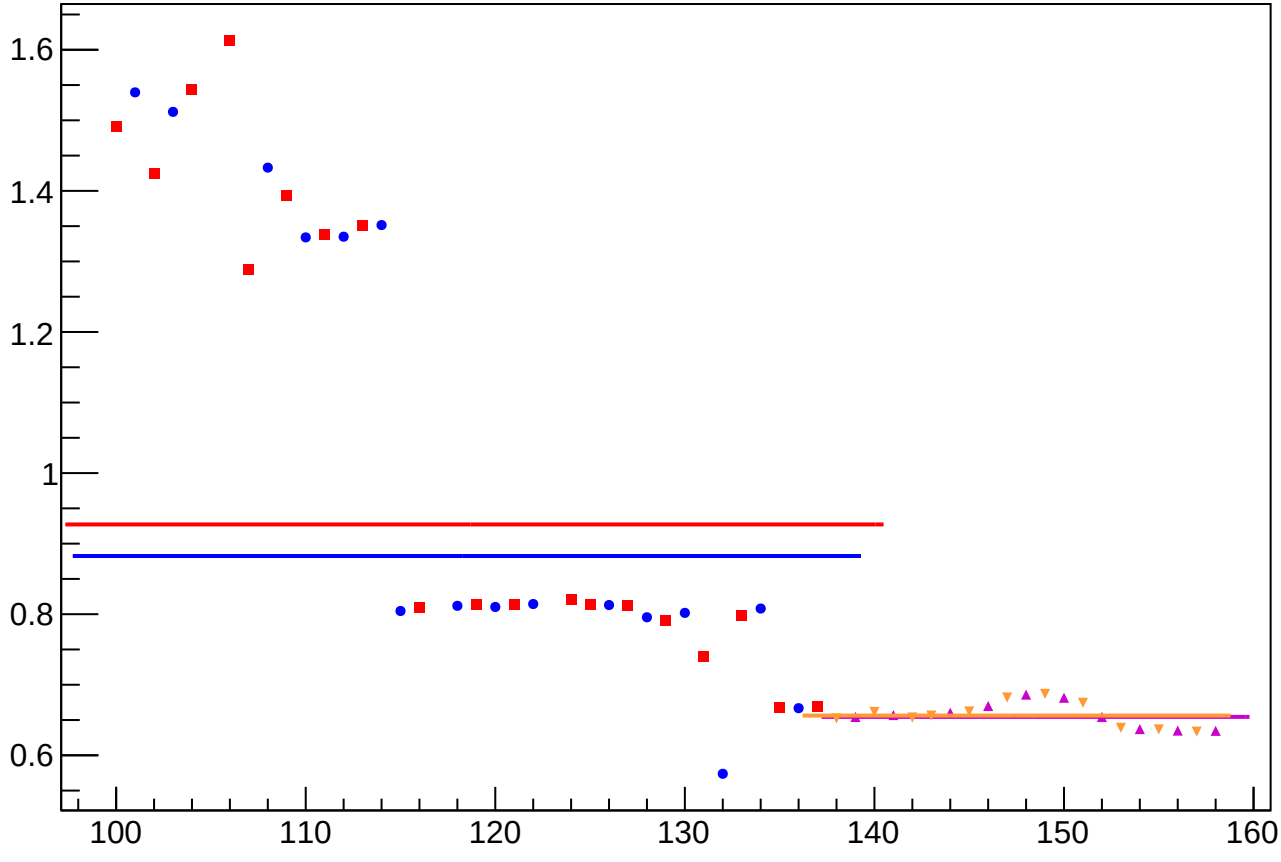
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1727661.3/25

Out: 0.020+/-0.000 χ^2/NDF:1877964.5/29

All: 0.020+/-0.000 χ^2/NDF: 3606279.5/55

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.656+/-0.000 χ^2/NDF:13495921.5/10

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.654+/-0.000 χ^2/NDF:13414226.5/9

Left: 0.655+/-0.000 χ^2/NDF: 27004970.0/20

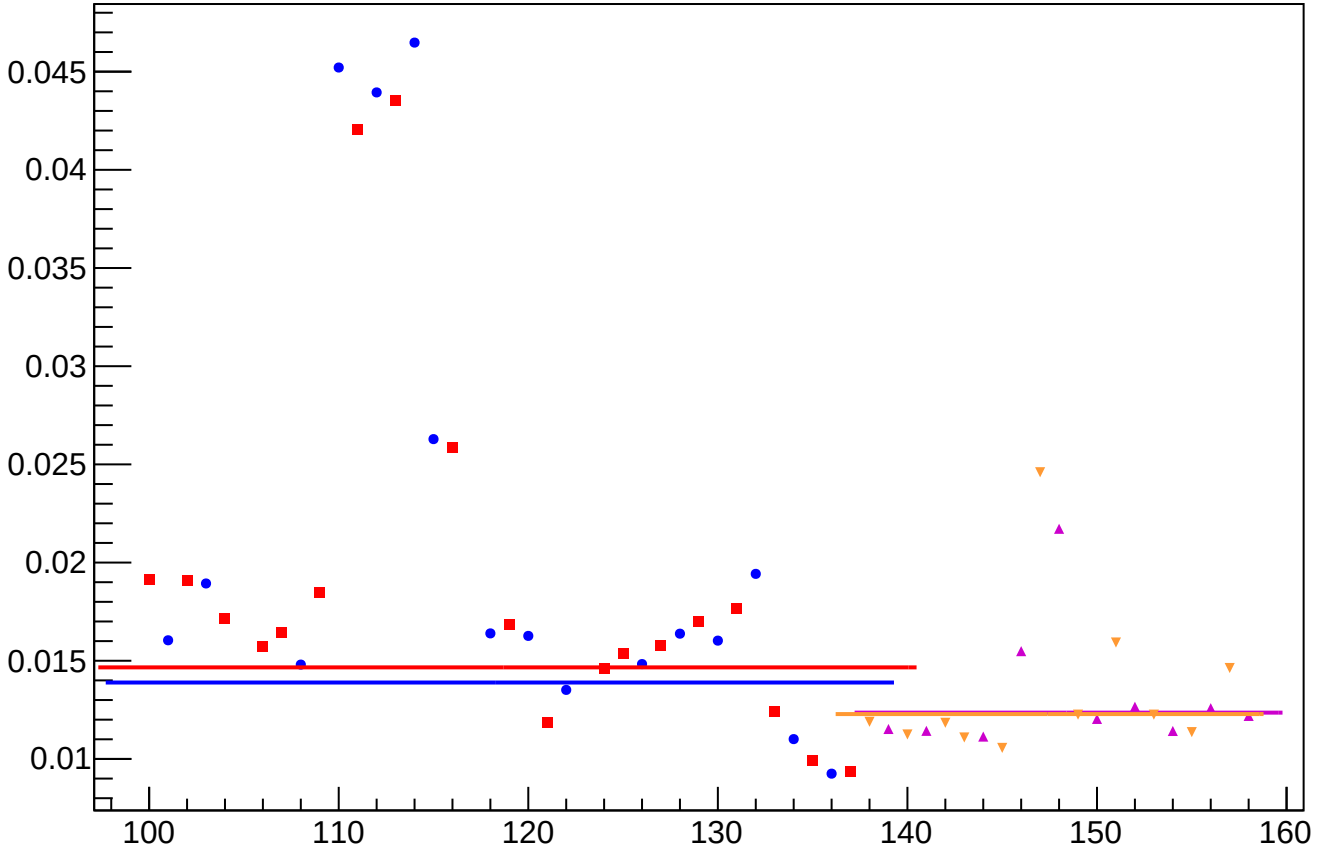
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.737+/-0.000 χ^2/NDF:3812768465.6/25

Out: 0.752+/-0.000 χ^2/NDF:4149332519.0/29

All: 0.744+/-0.000 χ^2/NDF: 7970335860.1/55

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:606338.9/10

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:412679.0/9

Left: 0.012+/-0.000 χ^2/NDF: 1019307.8/20

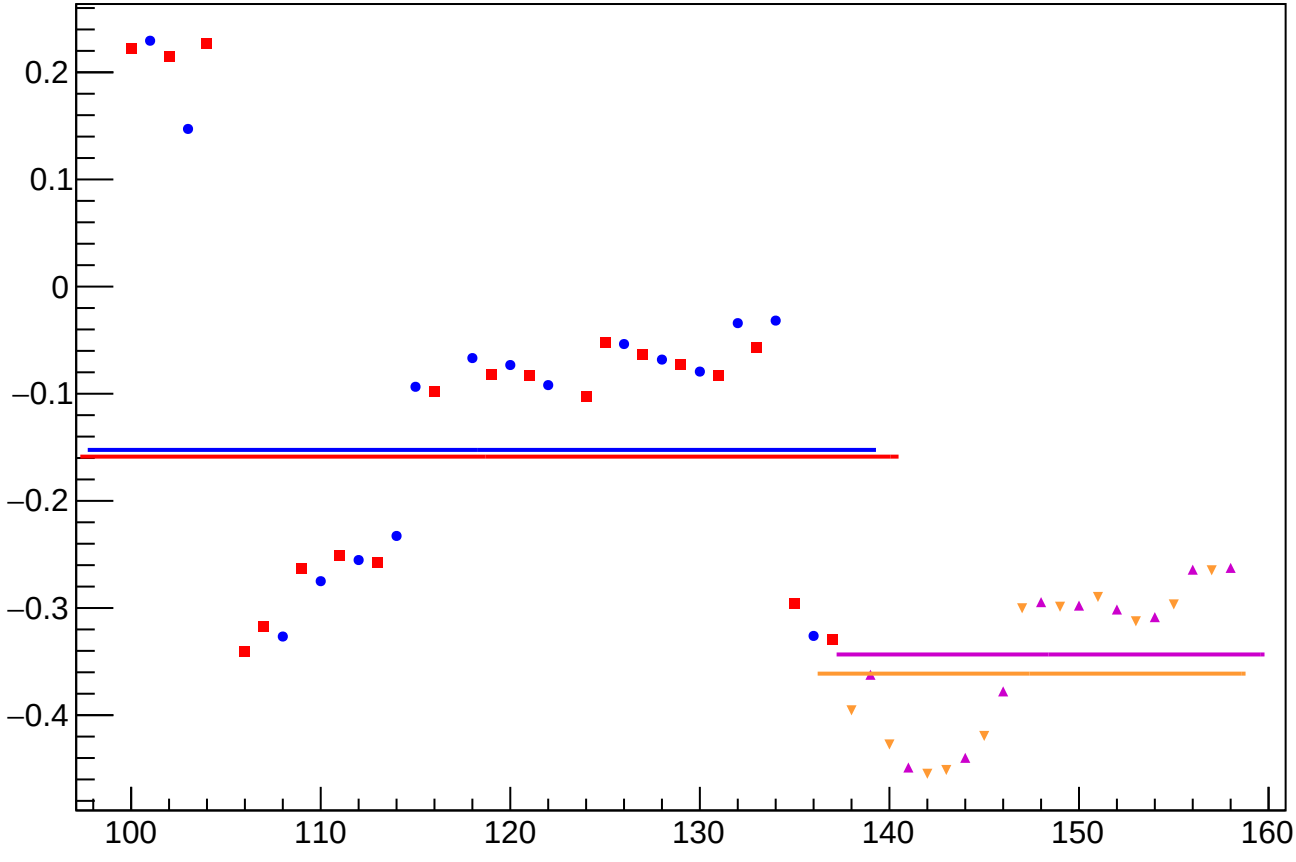
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2151171.1/25

Out: 0.013+/-0.000 χ^2/NDF:2284990.1/29

All: 0.013+/-0.000 χ^2/NDF: 4439623.5/55

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.361+/-0.000 χ^2/NDF:96904847.5/10

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.343+/-0.000 χ^2/NDF:90706463.7/9

Left: -0.353+/-0.000 χ^2/NDF: 190623650.8/20

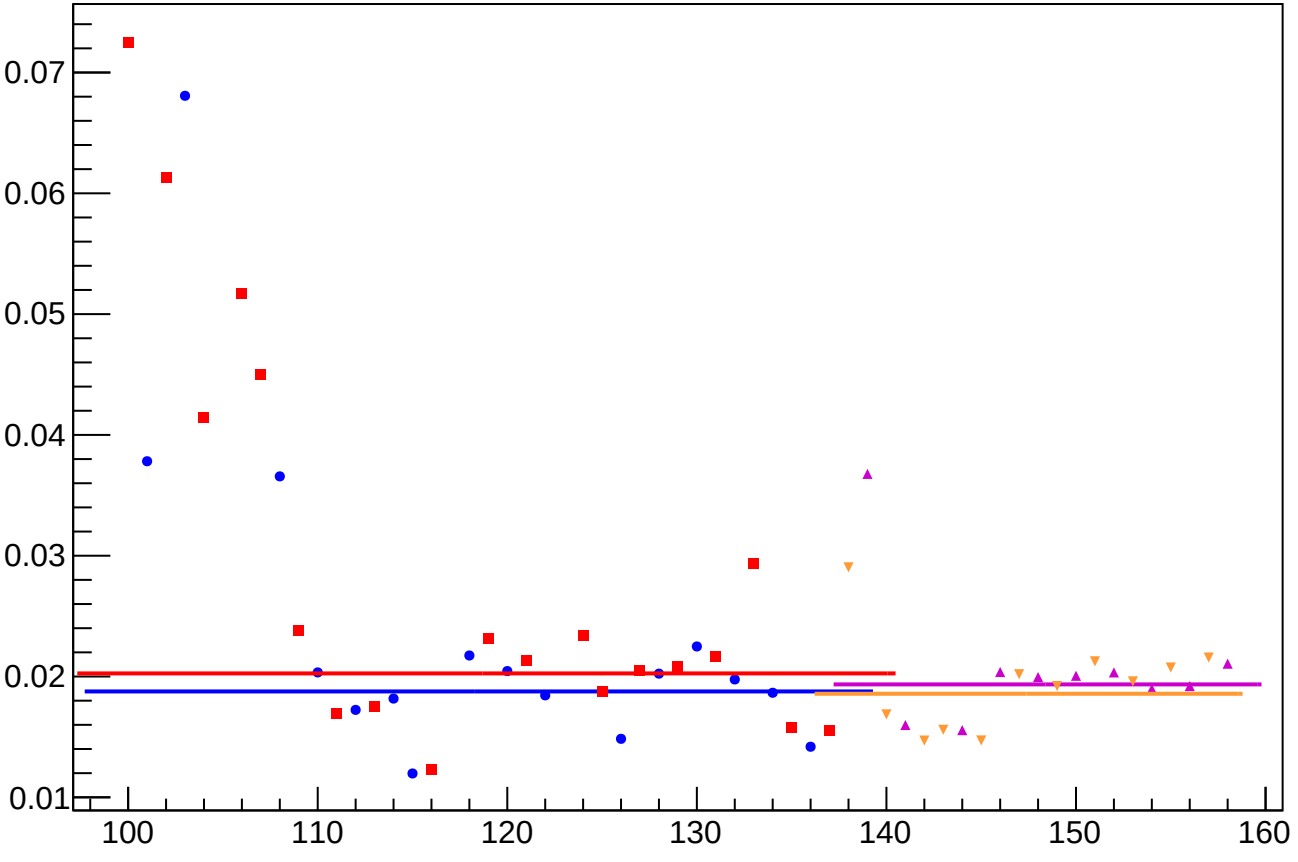
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.258+/-0.000 χ^2/NDF:665888904.5/25

Out: -0.279+/-0.000 χ^2/NDF:615016512.0/29

All: -0.268+/-0.000 χ^2/NDF: 1288308739.7/5

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:429280.5/10

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:531152.2/9

Left: 0.019+/-0.000 χ^2/NDF: 971747.3/20

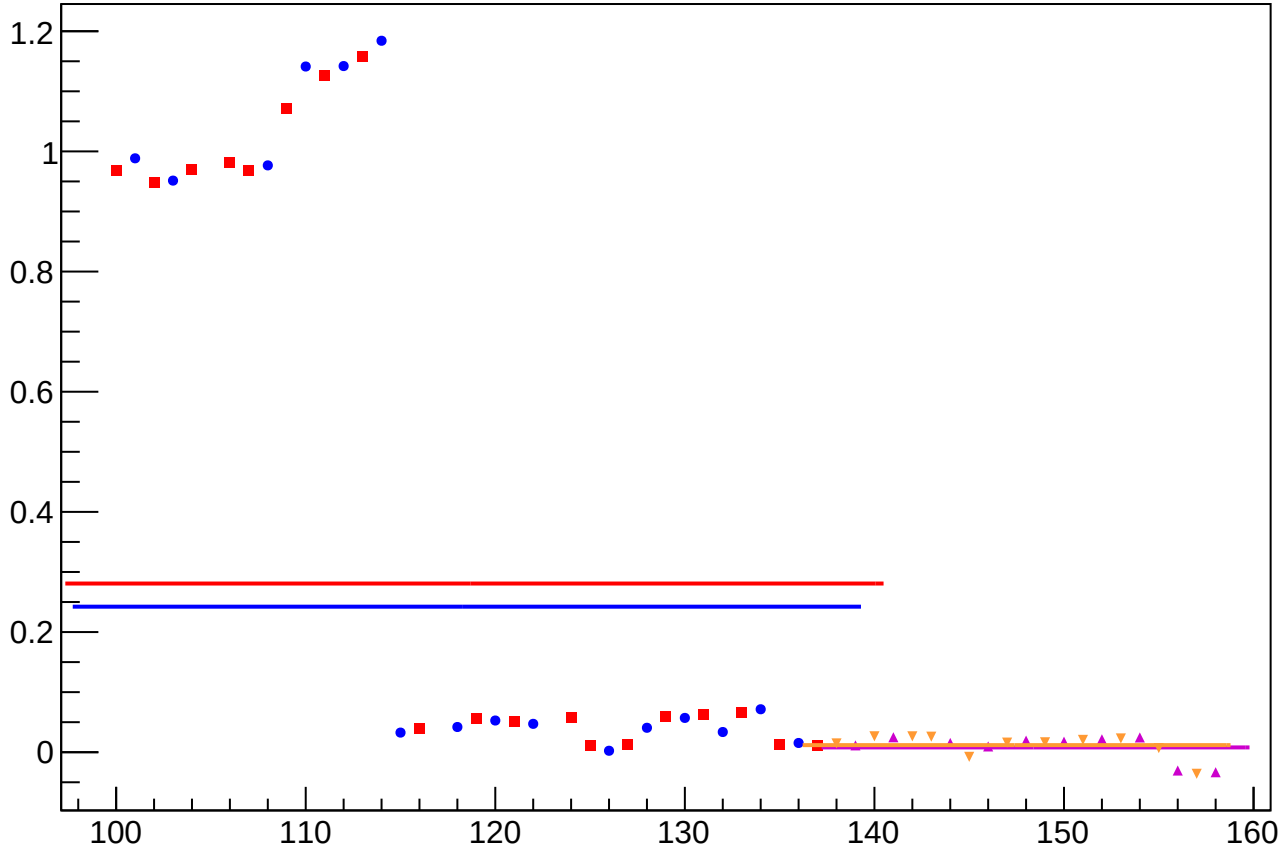
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1886170.5/25

Out: 0.019+/-0.000 χ^2/NDF:2003540.9/29

All: 0.019+/-0.000 χ^2/NDF: 3890697.8/55

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:21172671.5/10

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.008+/-0.000 χ^2/NDF:32798302.4/9

Left: 0.010+/-0.000 χ^2/NDF: 54493653.8/20

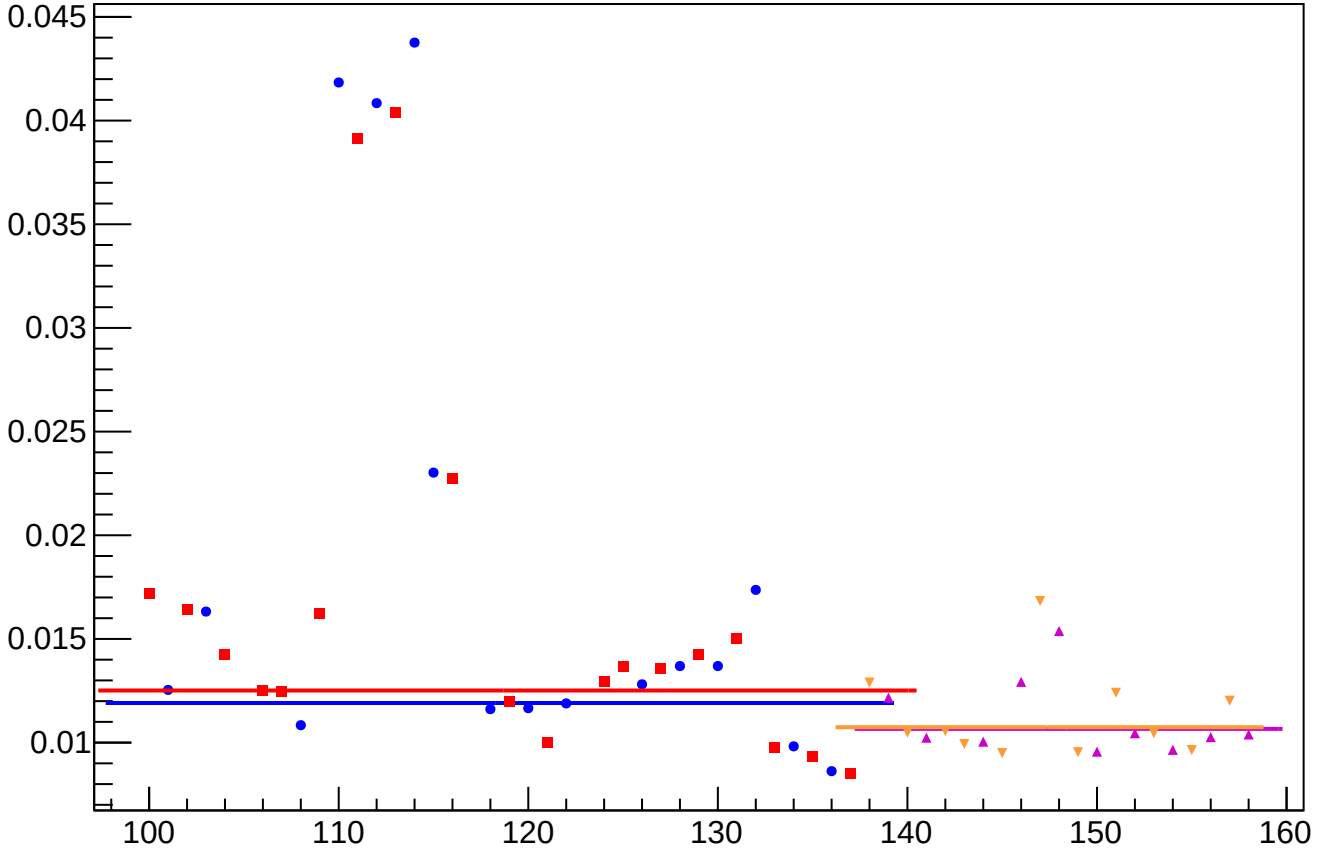
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.094+/-0.000 χ^2/NDF:8001728096.9/25

Out: 0.108+/-0.000 χ^2/NDF:8596156110.3/29

All: 0.101+/-0.000 χ^2/NDF: 16609150992.9/5

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:383065.4/10

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:281901.8/9

Left: 0.011+/-0.000 χ^2/NDF: 665431.2/20

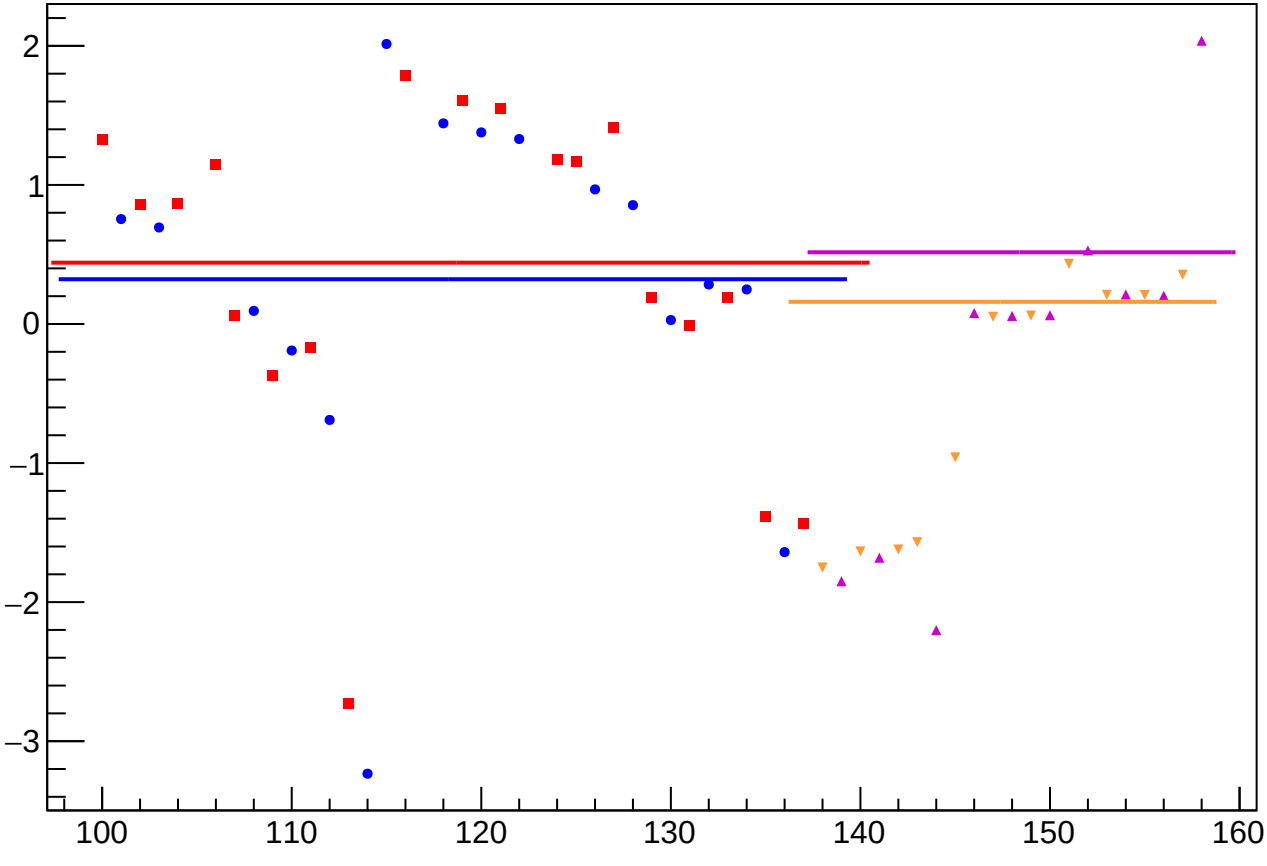
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1824222.5/25

Out: 0.011+/-0.000 χ^2/NDF:1932801.2/29

All: 0.011+/-0.000 χ^2/NDF: 3764395.2/55

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.159+/-0.000 χ^2/NDF:1715614317.3/10

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 0.516+/-0.000 χ^2/NDF:14846225212.7/9

Left: 0.362+/-0.000 χ^2/NDF: 17766735254.7/20

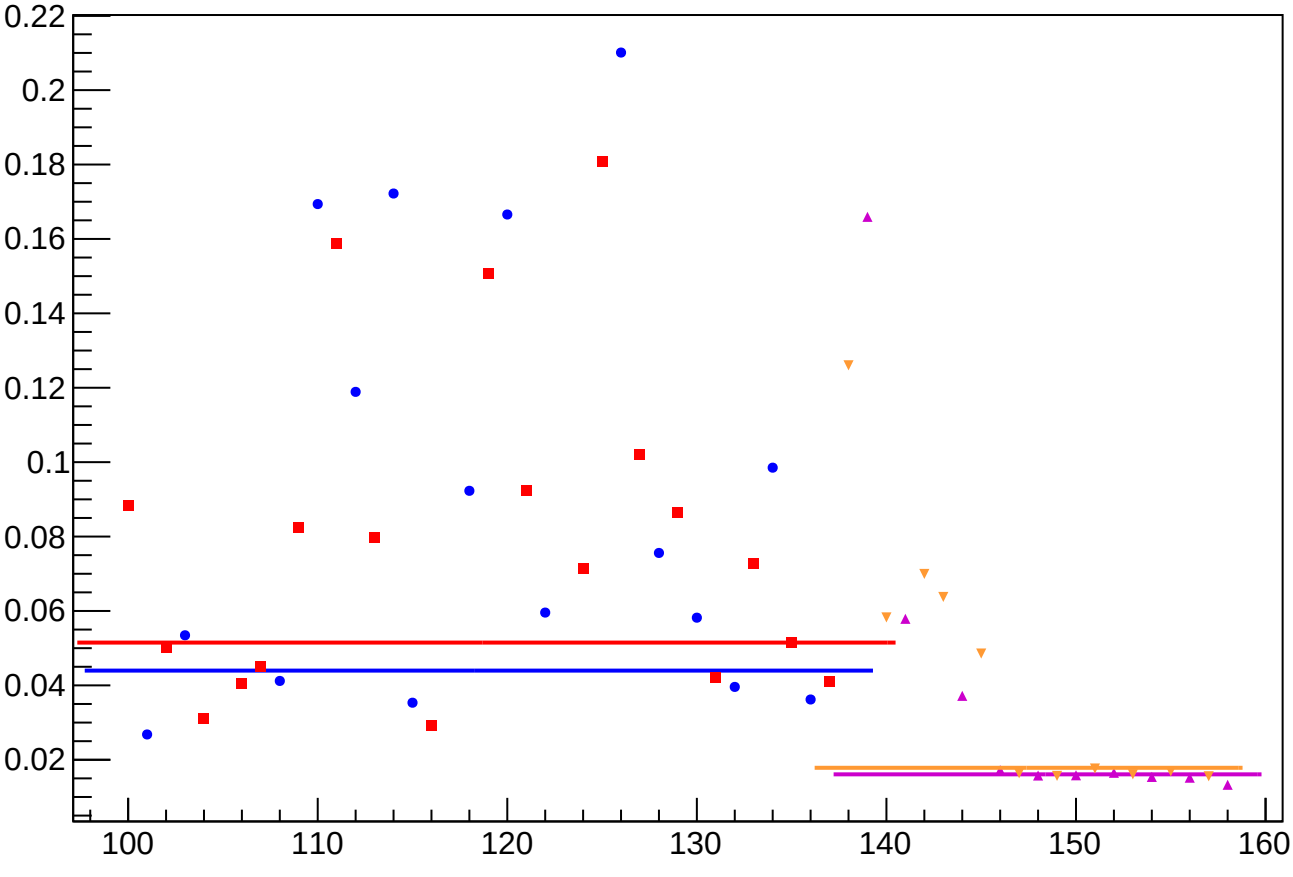
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.500+/-0.000 χ^2/NDF:16579606782.2/25

Out: 0.185+/-0.000 χ^2/NDF:3631239764.8/29

All: 0.363+/-0.000 χ^2/NDF: 21241890678.1/5

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:2677035.7/10

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.016+/-0.000 χ^2/NDF:2052148.1/9

Left: 0.017+/-0.000 χ^2/NDF: 4788033.3/20

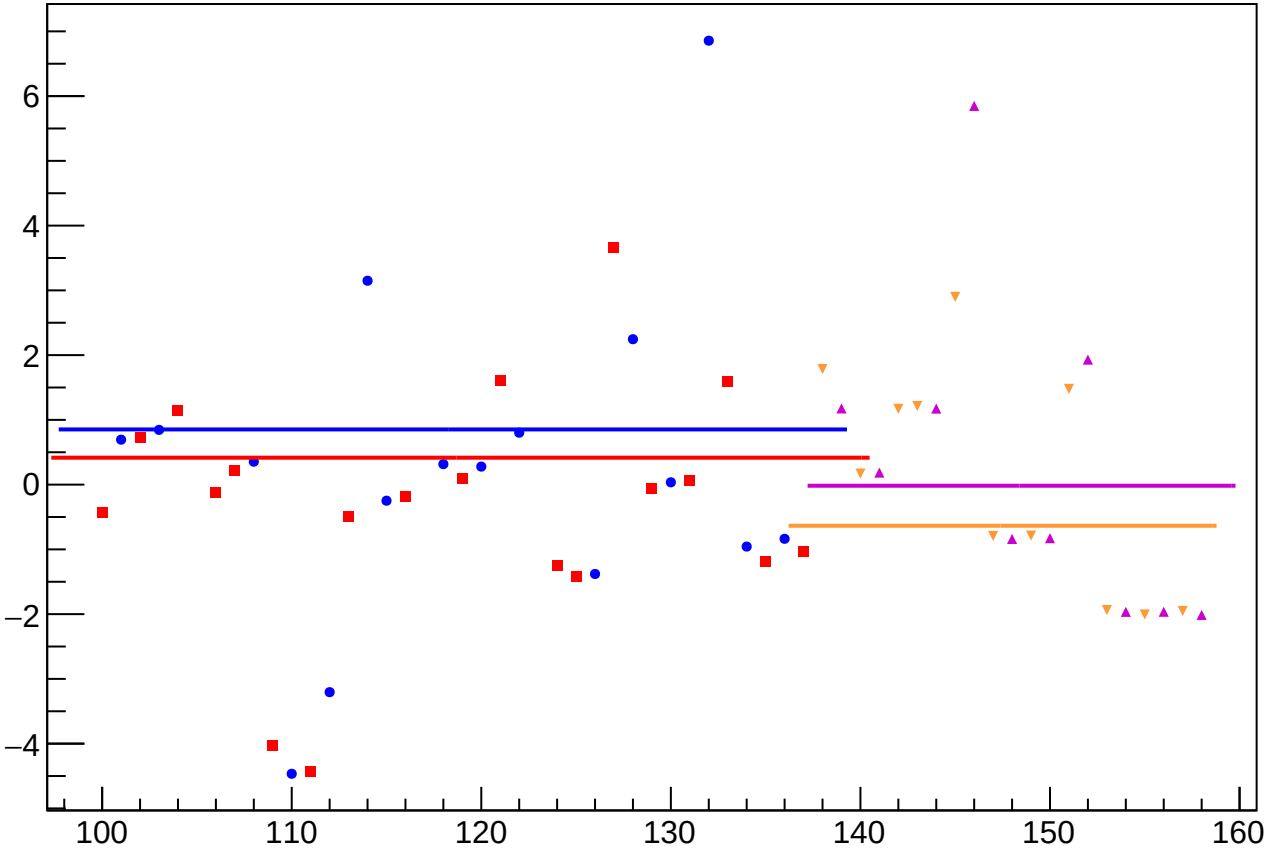
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.018+/-0.000 χ^2/NDF:7670074.0/25

Out: 0.021+/-0.000 χ^2/NDF:8439221.8/29

All: 0.019+/-0.000 χ^2/NDF: 16235454.7/55

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.635+/-0.000 χ^2/NDF:77315066623.2/10

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: -0.017+/-0.000 χ^2/NDF:234763851019.9/9

Left: -0.286+/-0.000 χ^2/NDF: 317319457990.4/20

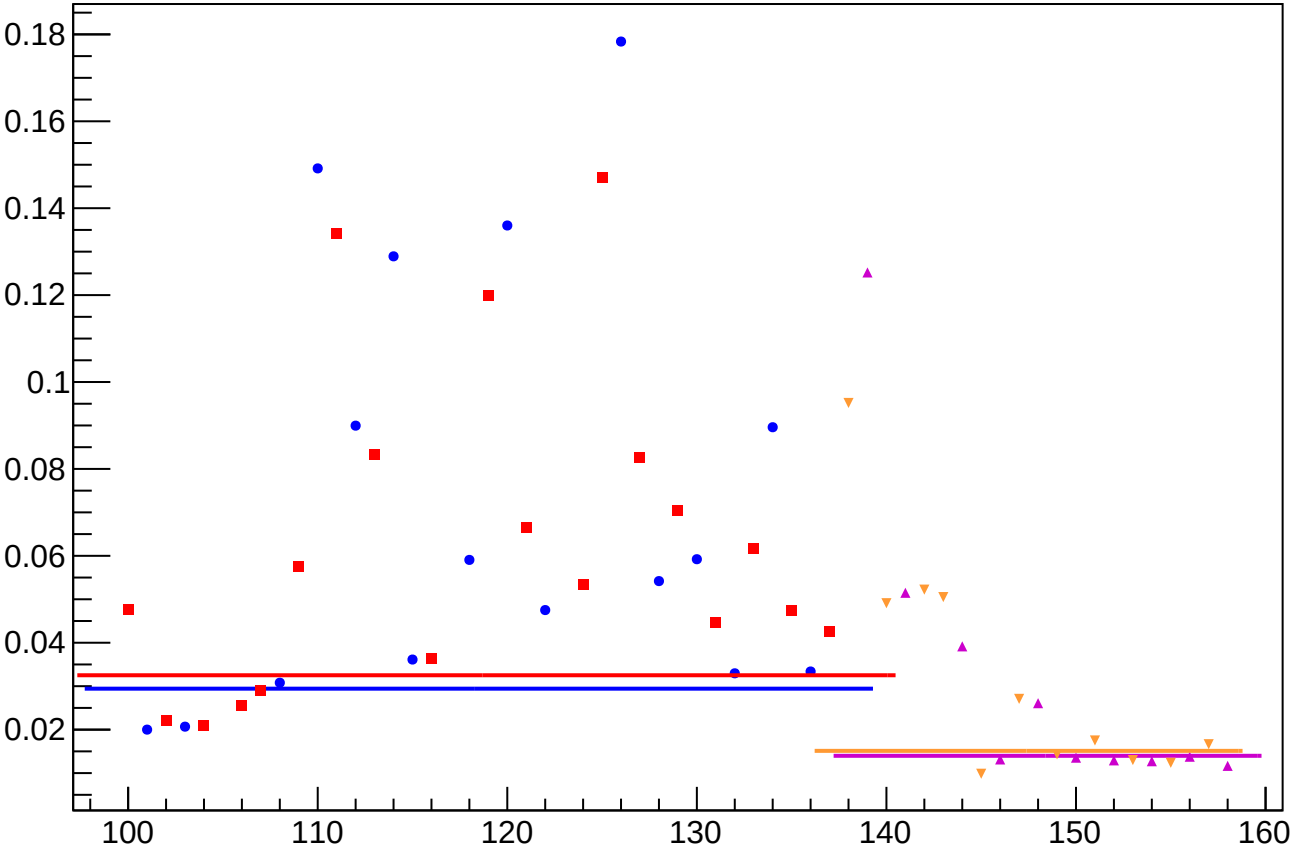
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.086+/-0.000 χ^2/NDF:249177654676.6/25

Out: -0.490+/-0.000 χ^2/NDF:86149268694.3/29

All: -0.167+/-0.000 χ^2/NDF: 340559934787.6

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.015+/-0.000 χ^2/NDF:2748577.8/10

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.014+/-0.000 χ^2/NDF:2519657.3/9

Left: 0.014+/-0.000 χ^2/NDF: 5303765.9/20

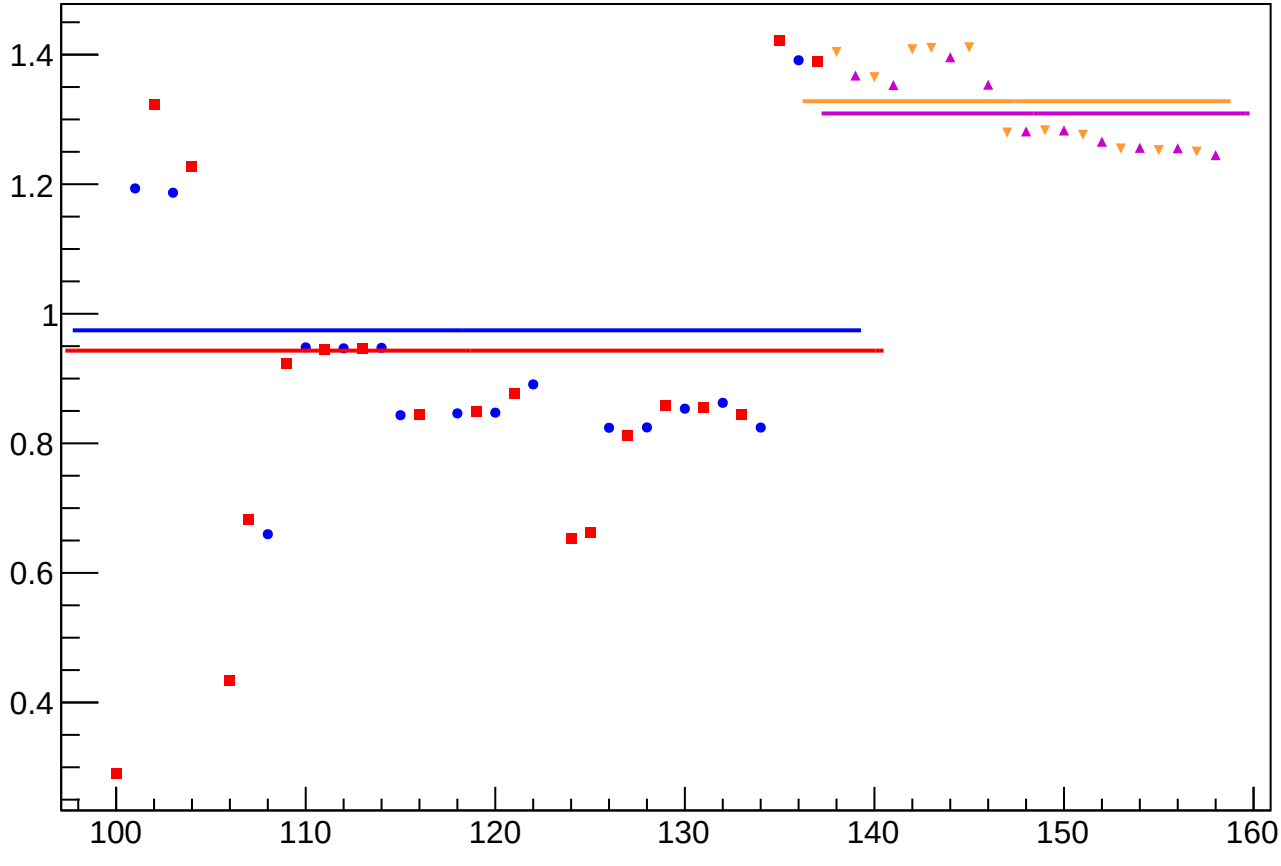
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.016+/-0.000 χ^2/NDF:7503411.0/25

Out: 0.018+/-0.000 χ^2/NDF:8099636.9/29

All: 0.017+/-0.000 χ^2/NDF: 15694984.6/55

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.328+/-0.000 χ^2/NDF:185538328.5/10

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.309+/-0.000 χ^2/NDF:119904057.8/9

Left: 1.319+/-0.000 χ^2/NDF: 313010518.8/20

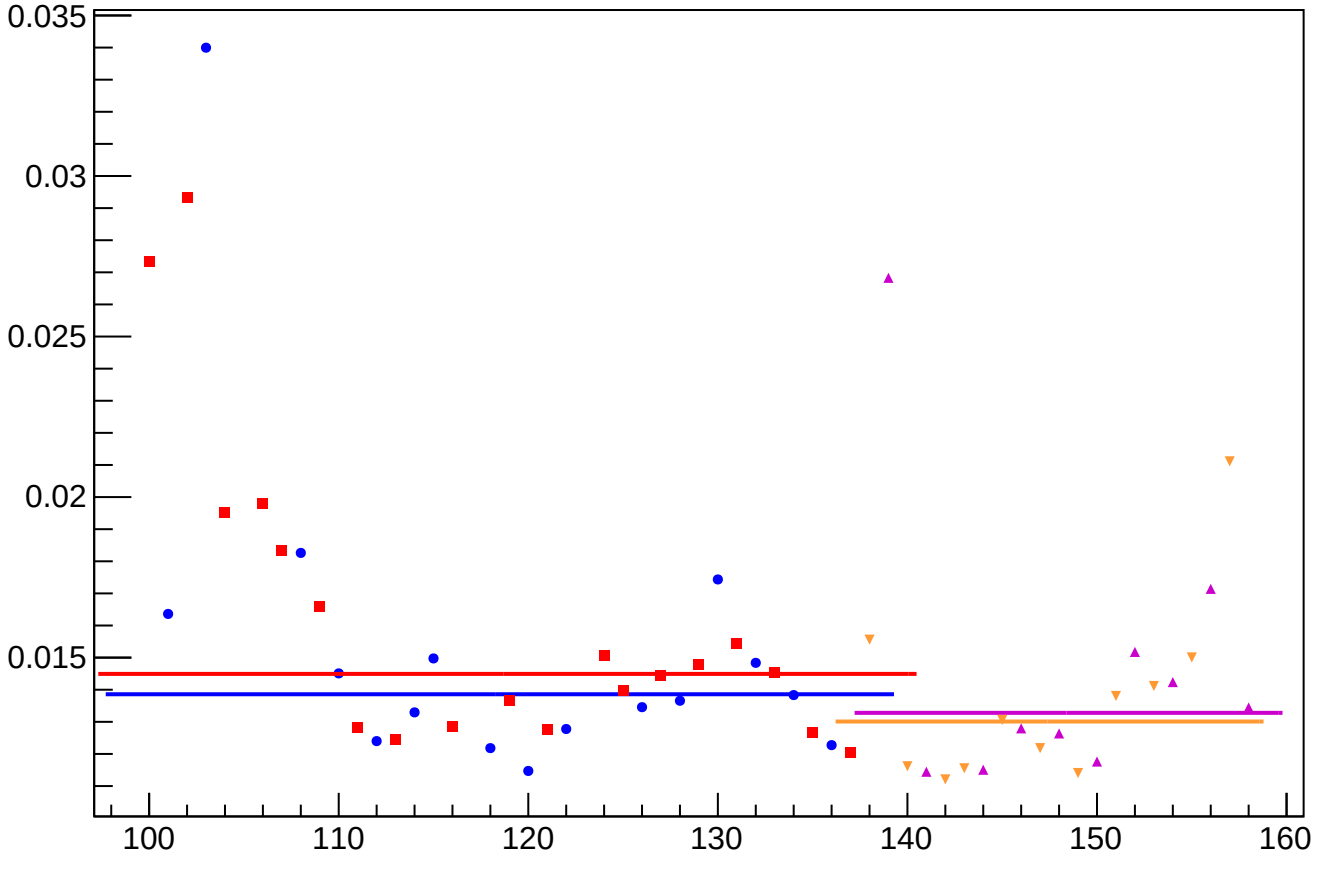
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.164+/-0.000 χ^2/NDF:3636612908.2/25

Out: 1.168+/-0.000 χ^2/NDF:4502784576.0/29

All: 1.166+/-0.000 χ^2/NDF: 8139973086.4/55

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:362973.2/10

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:625948.4/9

Left: 0.013+/-0.000 χ^2/NDF: 992047.2/20

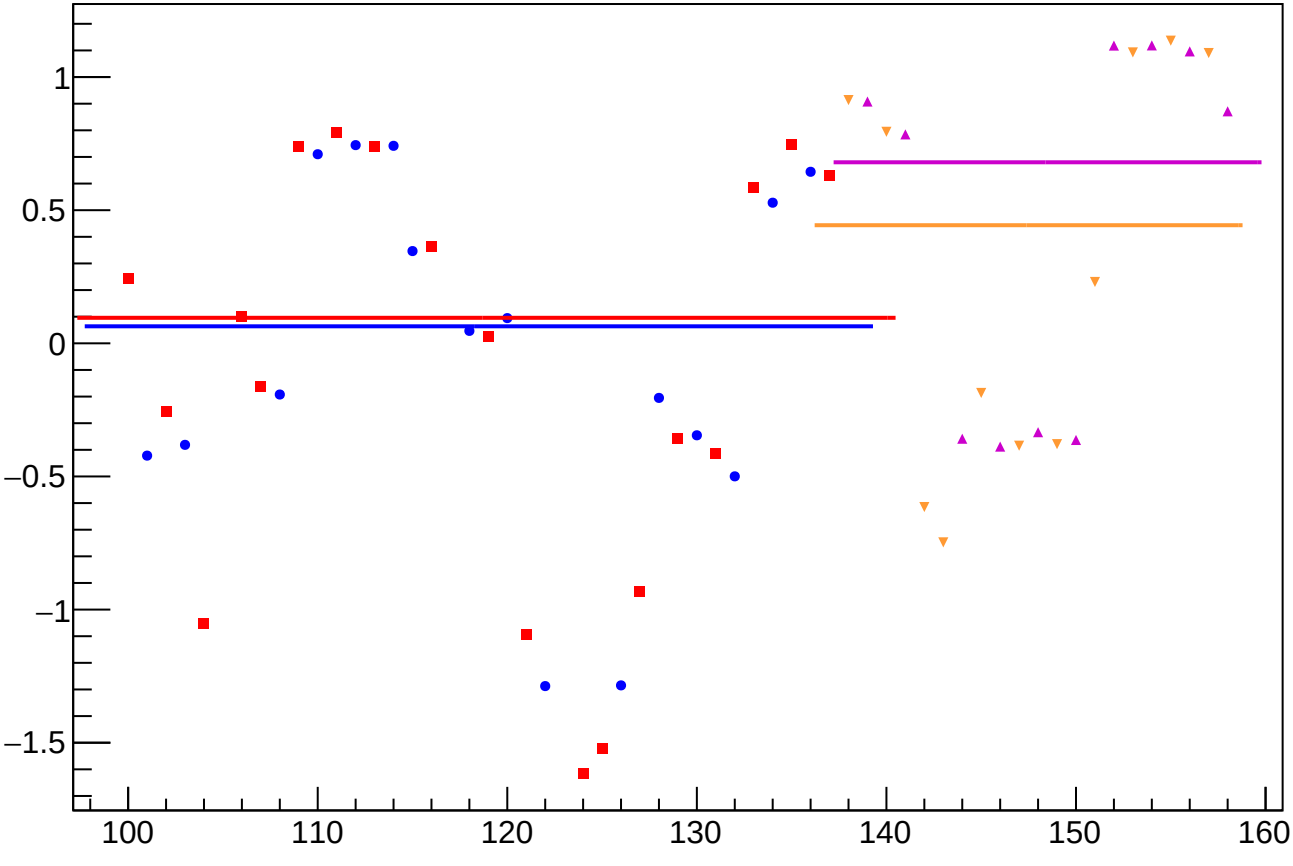
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1238246.6/25

Out: 0.014+/-0.000 χ^2/NDF:985923.2/29

All: 0.014+/-0.000 χ^2/NDF: 2224832.0/55

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.444+/-0.000 χ^2/NDF:25071347315.4/10

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.680+/-0.000 χ^2/NDF:17274051672.2/9

Left: 0.567+/-0.000 χ^2/NDF: 43992740287.8/20

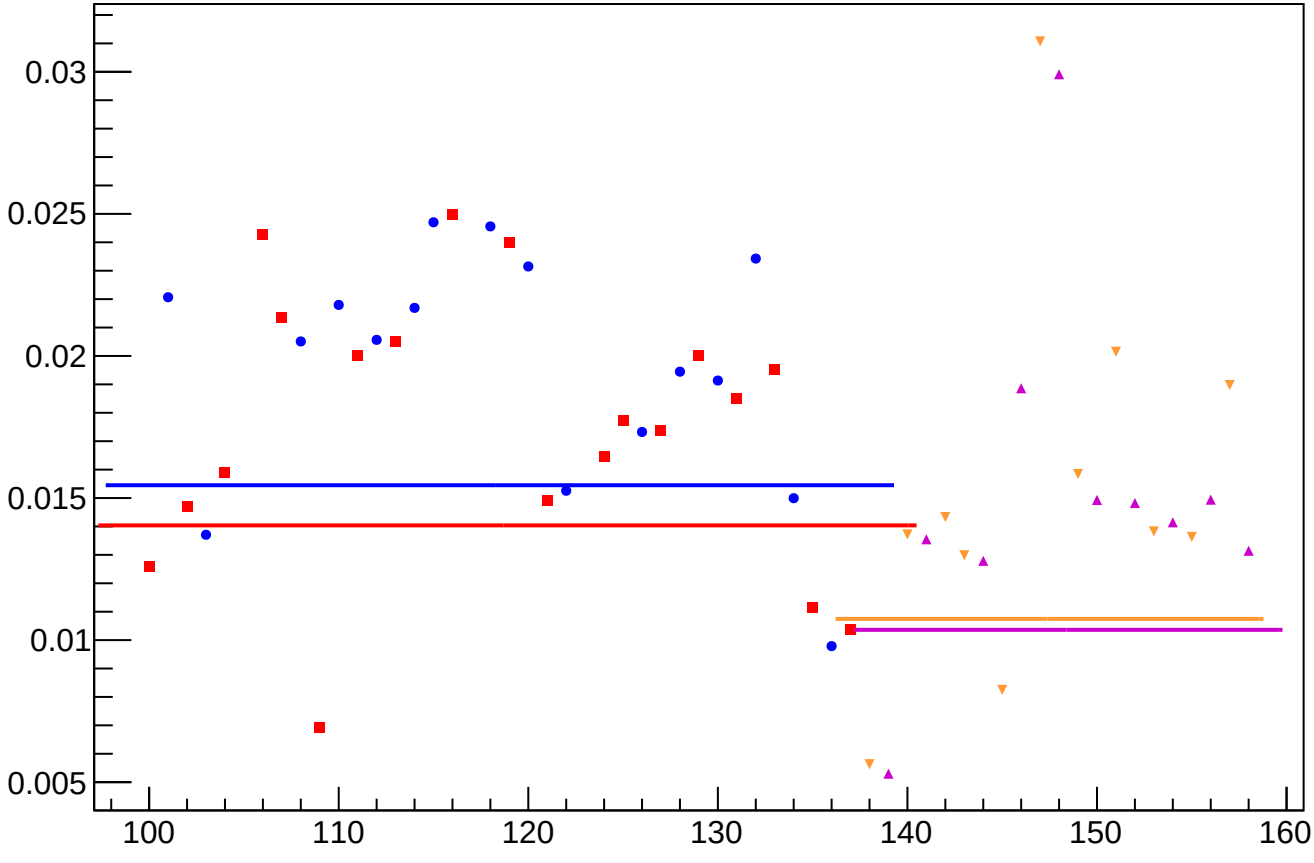
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.501+/-0.000 χ^2/NDF:35088616363.5/25

Out: 0.324+/-0.000 χ^2/NDF:45218520563.6/29

All: 0.413+/-0.000 χ^2/NDF: 81672806813.2/5

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:2925551.8/10

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.010+/-0.000 χ^2/NDF:3253741.4/9

Left: 0.011+/-0.000 χ^2/NDF: 6188059.3/20

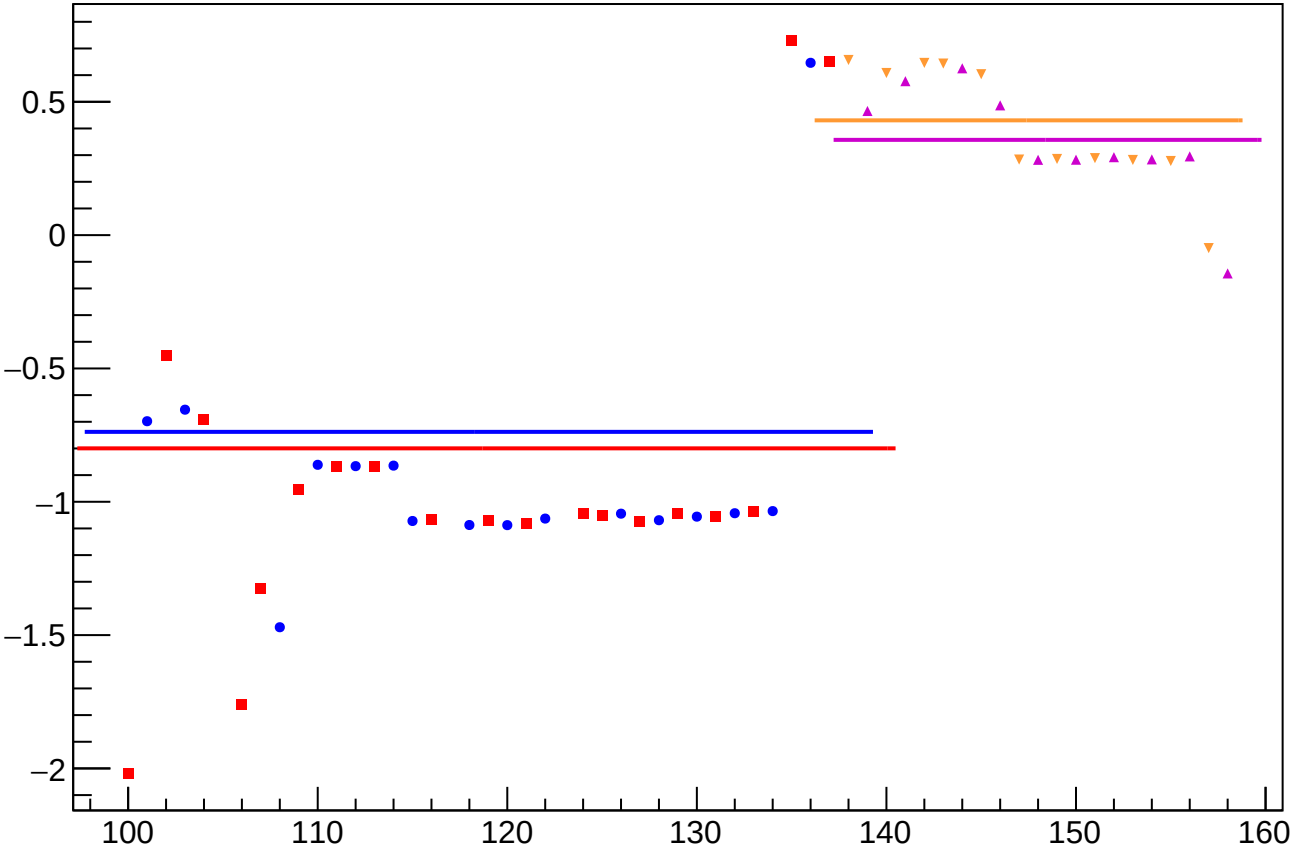
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5472918.0/25

Out: 0.012+/-0.000 χ^2/NDF:5035273.3/29

All: 0.012+/-0.000 χ^2/NDF: 10508362.4/55

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.430+/-0.000 χ^2/NDF:239498878.3/10

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.357+/-0.000 χ^2/NDF:300453898.4/9

Left: 0.394+/-0.000 χ^2/NDF: 557313807.7/20

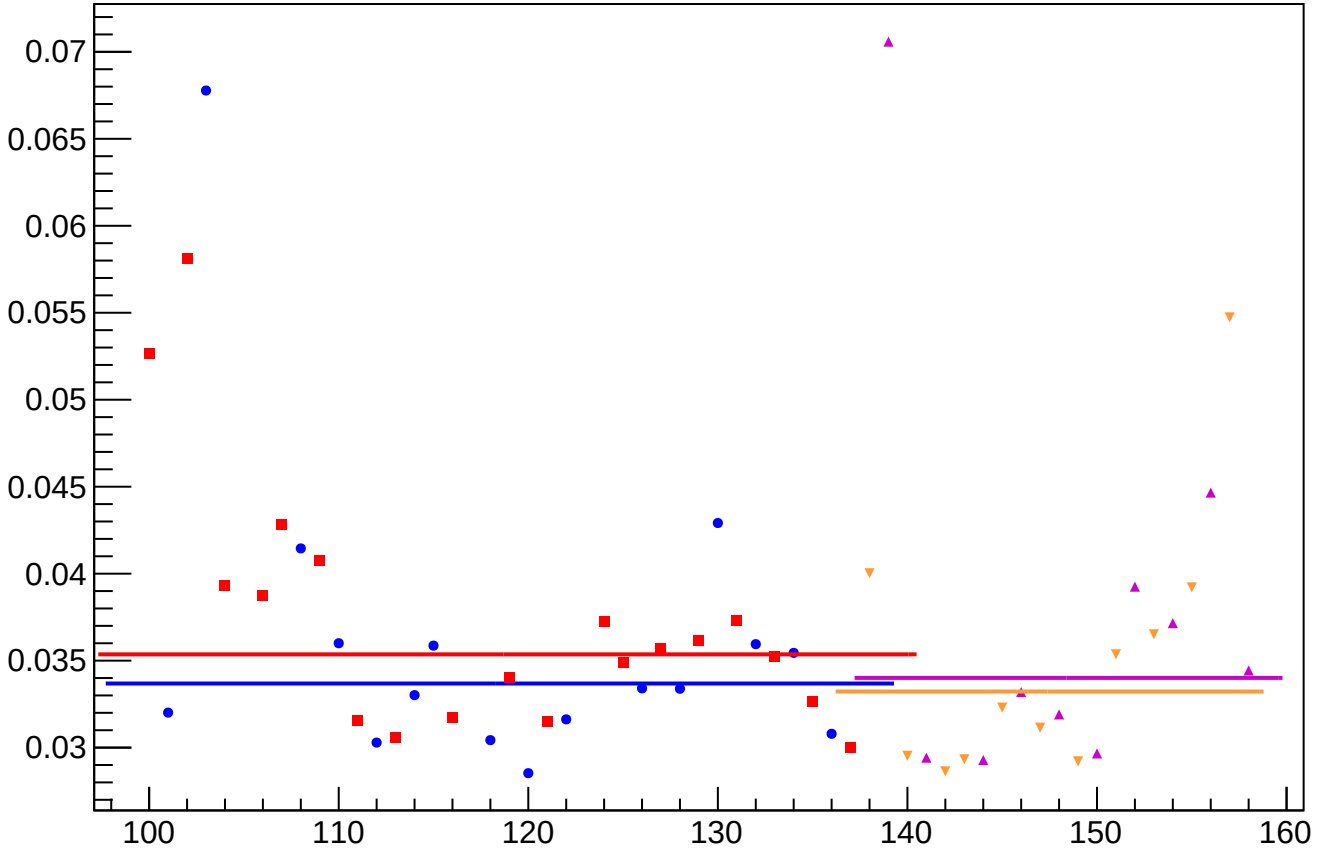
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.150+/-0.000 χ^2/NDF:5945825121.2/25

Out: -0.112+/-0.000 χ^2/NDF:6495722675.2/29

All: -0.132+/-0.000 χ^2/NDF: 12450160275.0/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.033+/-0.000 χ^2/NDF:388448.5/10

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.034+/-0.000 χ^2/NDF:672964.4/9

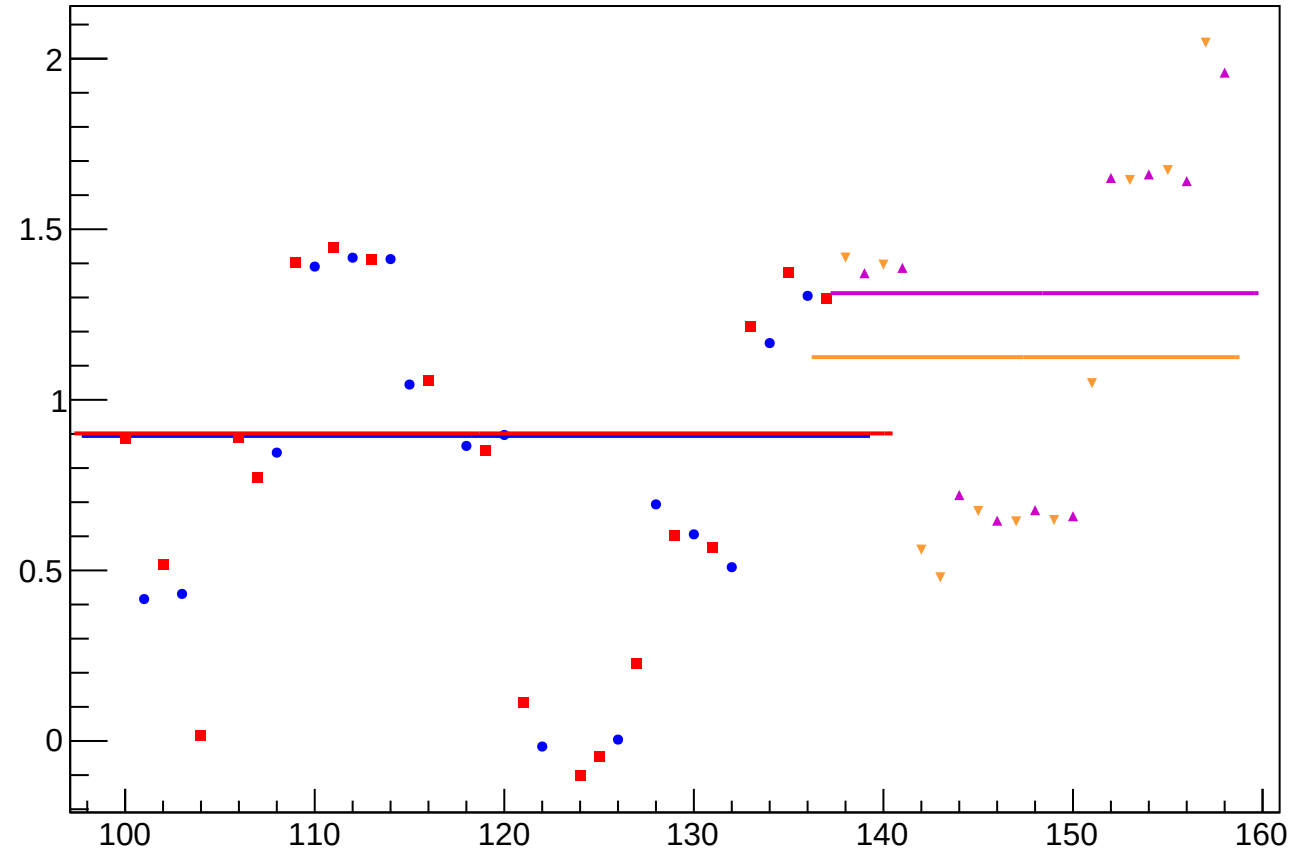
Left: 0.034+/-0.000 χ^2/NDF: 1065392.6/20

Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:1093813.4/25

Out: 0.034+/-0.000 χ^2/NDF:711200.4/29

All: 0.034+/-0.000 χ^2/NDF: 1806149.1/55



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.125+/-0.000 χ^2/NDF:22074060908.3/10

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.313+/-0.000 χ^2/NDF:18597363228.2/9

Left: 1.220+/-0.000 χ^2/NDF: 42281998864.4/20

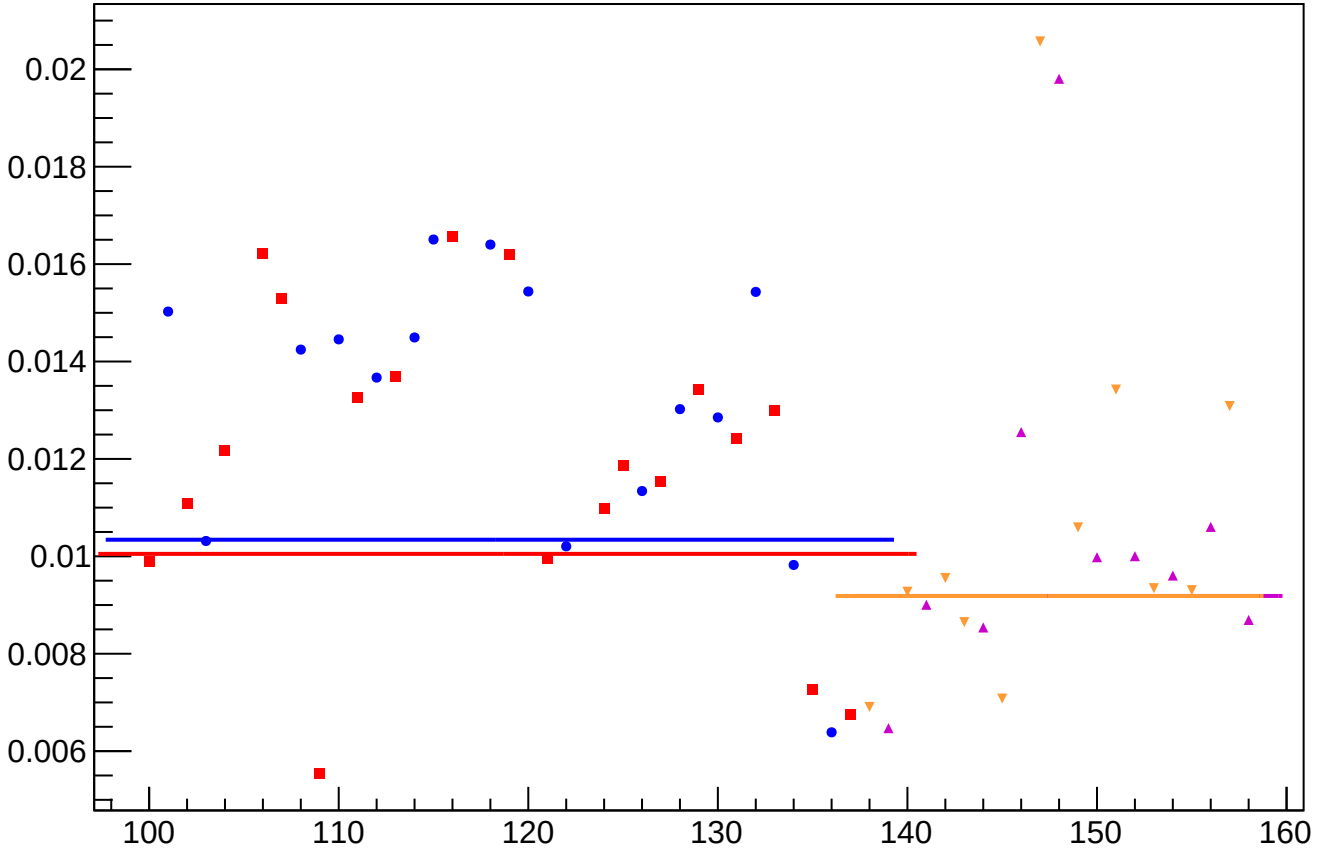
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.155+/-0.000 χ^2/NDF:37437004881.1/25

Out: 1.036+/-0.000 χ^2/NDF:41778818531.3/29

All: 1.095+/-0.000 χ^2/NDF: 80281940947.1/5

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1105859.7/10

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:909632.6/9

Left: 0.009+/-0.000 χ^2/NDF: 2015492.4/20

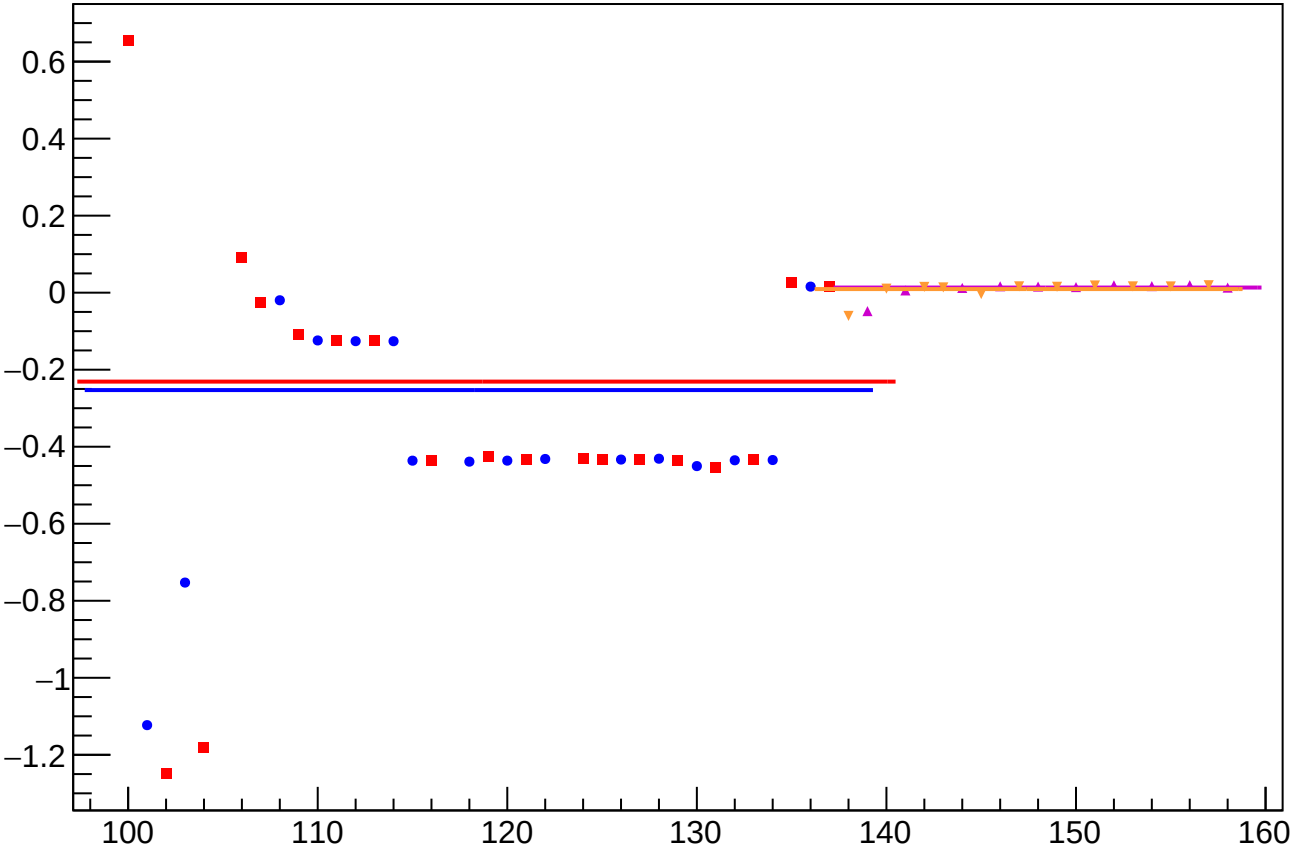
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2352865.9/25

Out: 0.010+/-0.000 χ^2/NDF:2496934.1/29

All: 0.010+/-0.000 χ^2/NDF: 4851016.4/55

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:21644497.2/10

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.013+/-0.000 χ^2/NDF:5600887.0/9

Left: 0.011+/-0.000 χ^2/NDF: 27795929.3/20

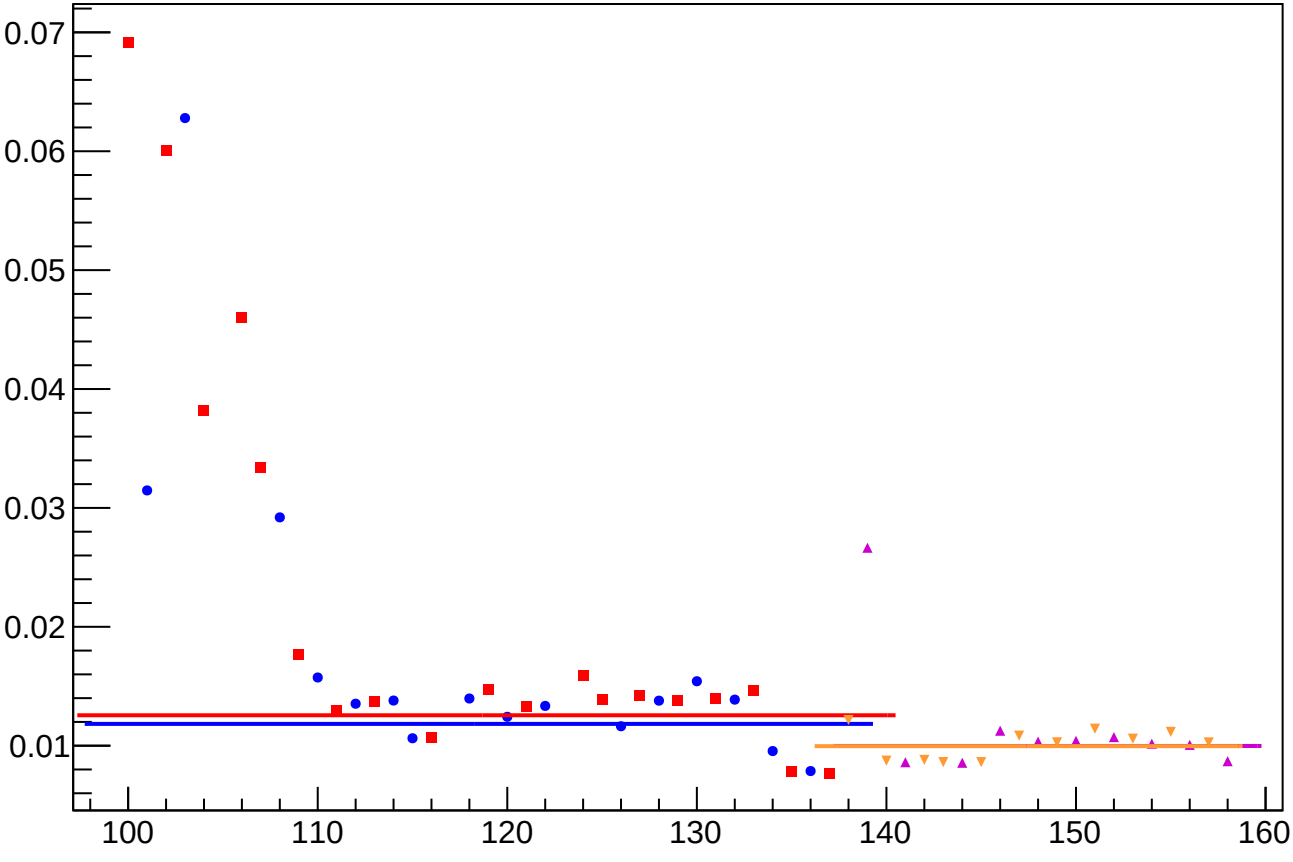
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.076+/-0.000 χ^2/NDF:3700303617.6/25

Out: -0.066+/-0.000 χ^2/NDF:3091957602.1/29

All: -0.071+/-0.000 χ^2/NDF: 6798278268.4/5

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:189115.8/10

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:787912.1/9

Left: 0.010+/-0.000 χ^2/NDF: 977048.6/20

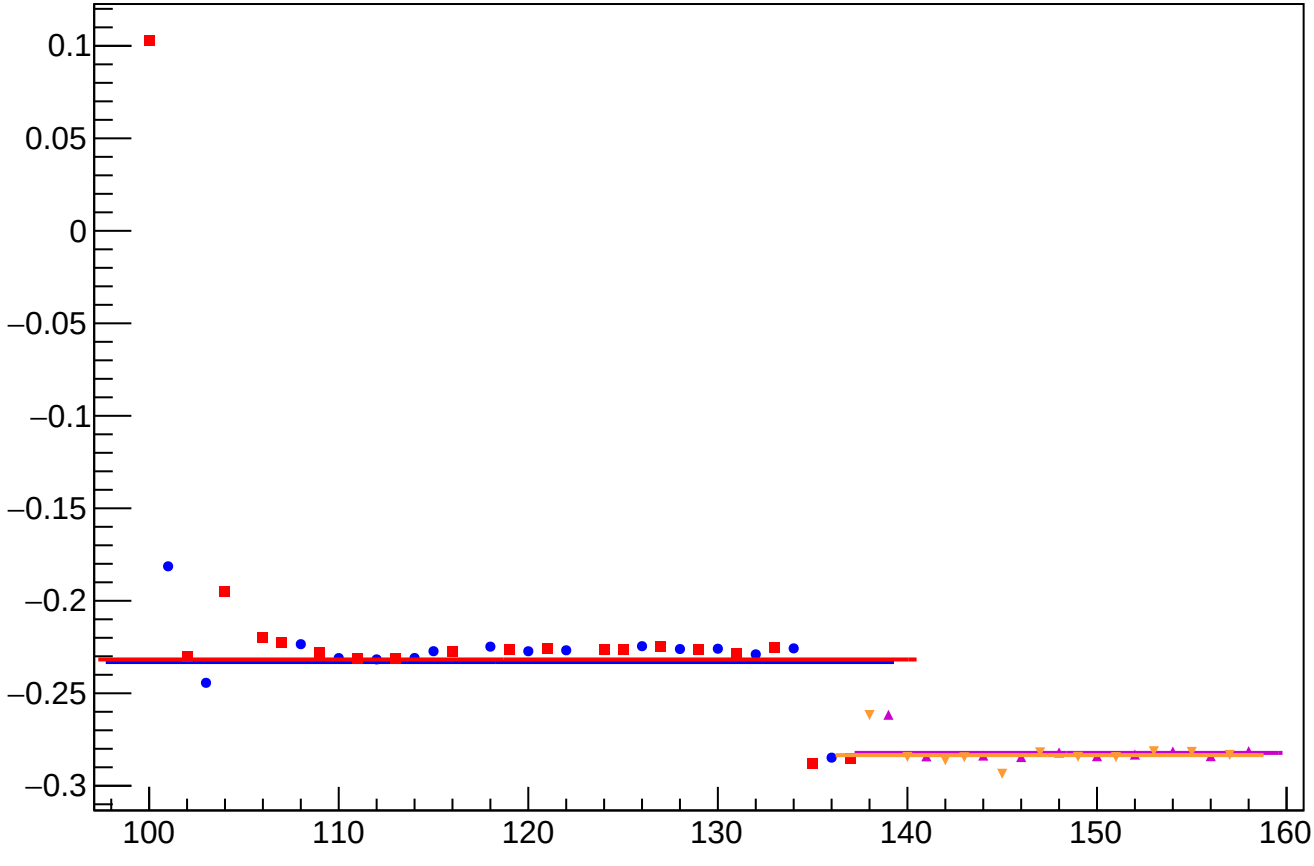
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2892871.2/25

Out: 0.011+/-0.000 χ^2/NDF:2701907.6/29

All: 0.011+/-0.000 χ^2/NDF: 5597703.4/55

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:14746682.0/10

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6267272.2/9

Left: -0.283+/-0.000 χ^2/NDF: 21242727.2/20

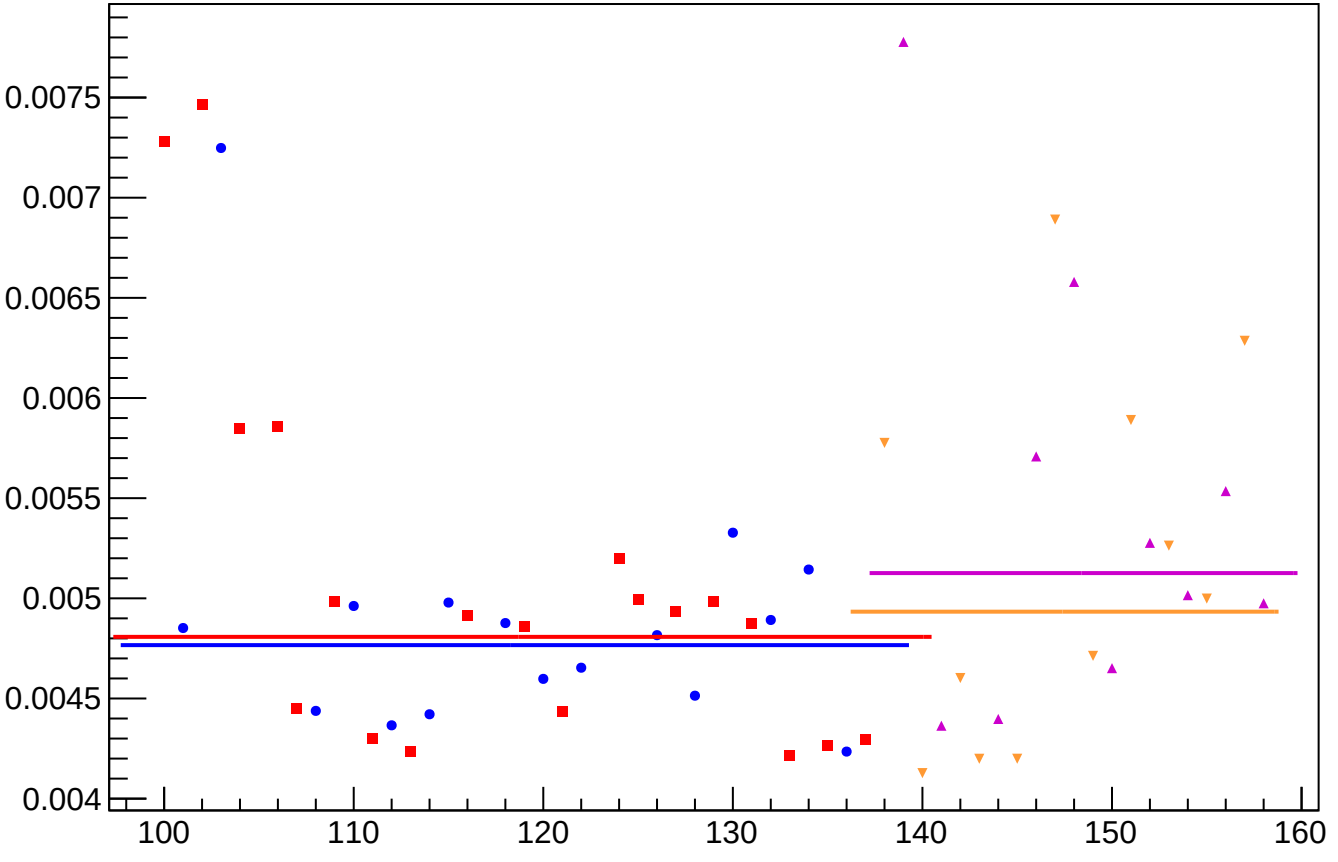
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.259+/-0.000 χ^2/NDF:559479819.9/25

Out: -0.259+/-0.000 χ^2/NDF:709433236.4/29

All: -0.259+/-0.000 χ^2/NDF: 1268945220.6/5

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:428625.3/10

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:405183.2/9

Left: 0.005+/-0.000 χ^2/NDF: 845410.1/20

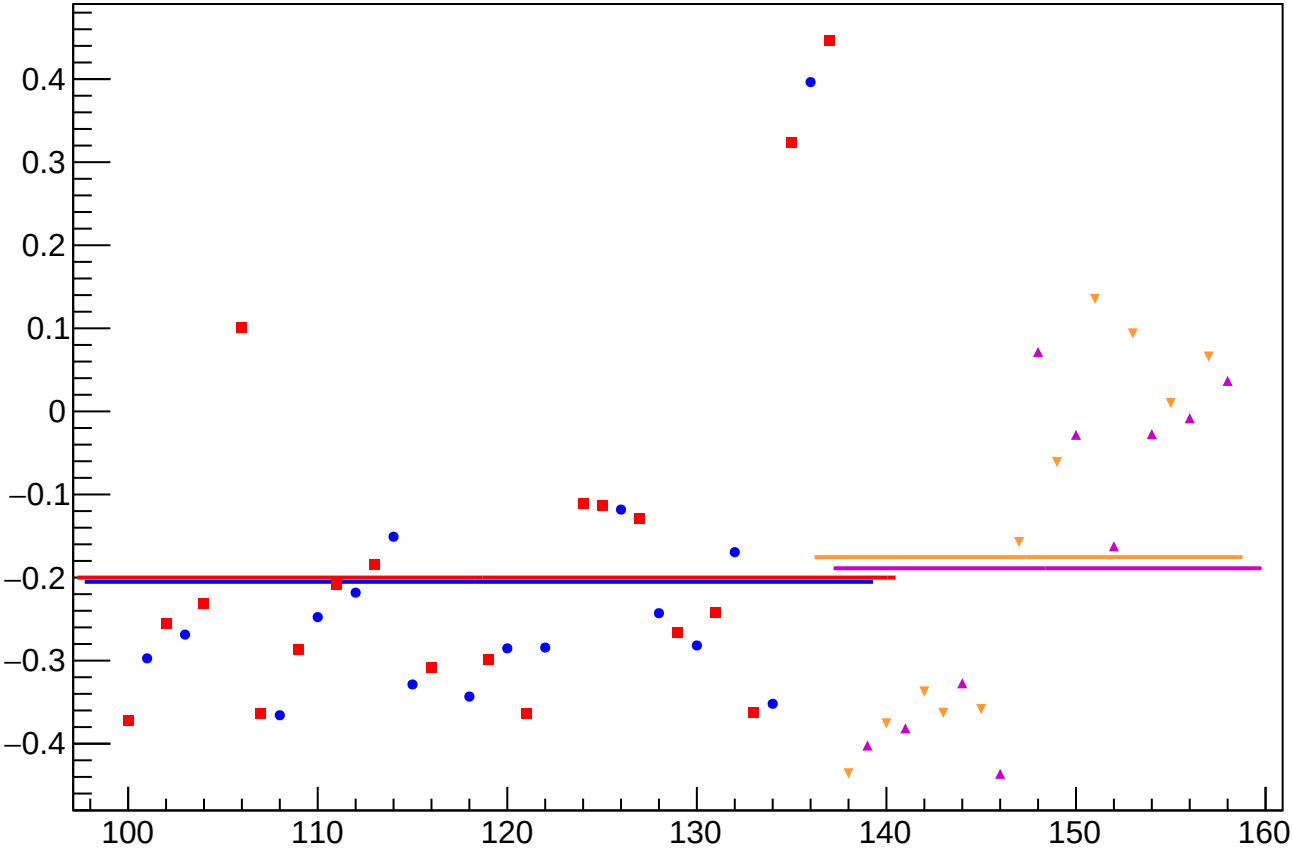
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:634926.9/25

Out: 0.005+/-0.000 χ^2/NDF:727182.4/29

All: 0.005+/-0.000 χ^2/NDF: 1365852.9/55

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.175+/-0.000 χ^2/NDF:12047499240.5/10

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.189+/-0.000 χ^2/NDF:8518550677.5/9

Left: -0.182+/-0.000 χ^2/NDF: 20589150771.0/20

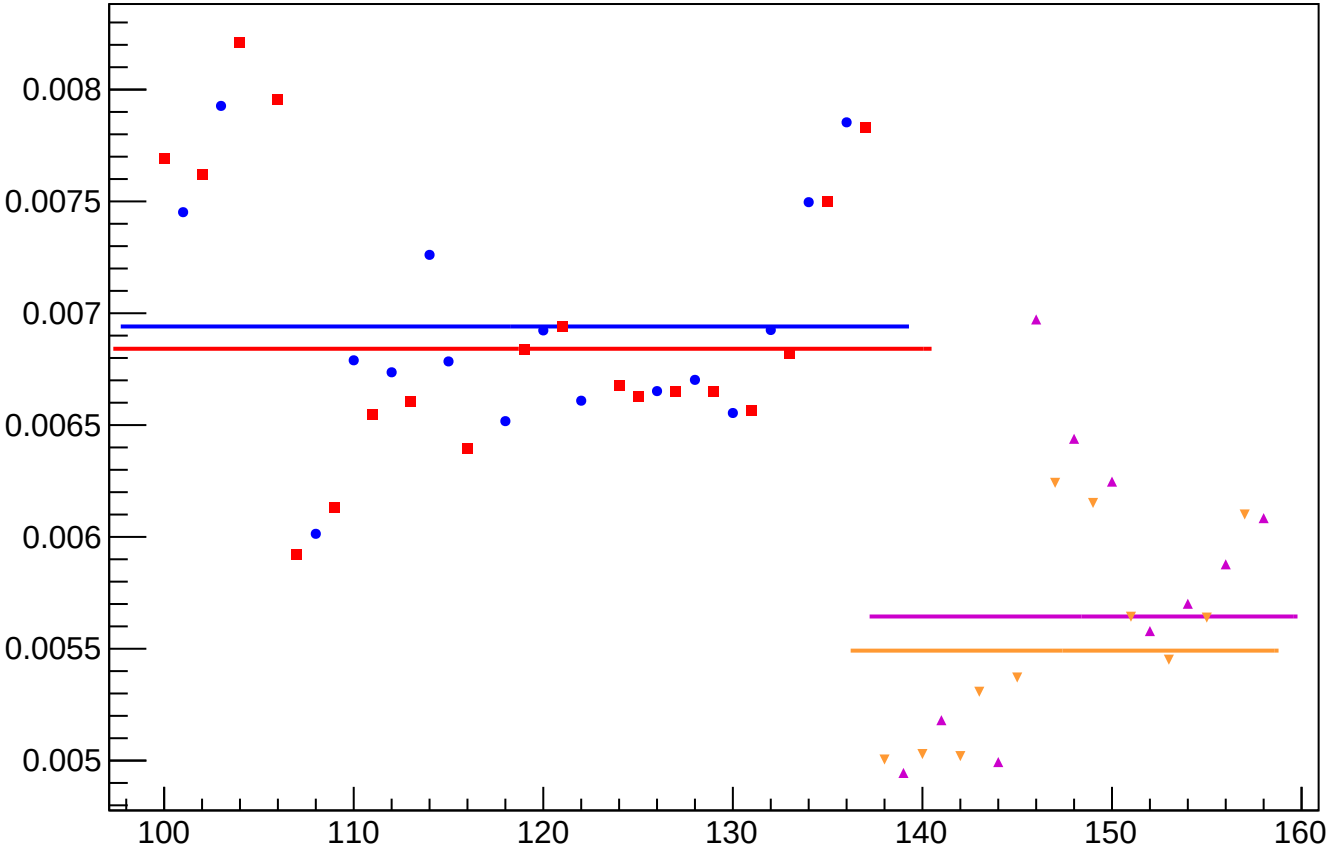
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.195+/-0.000 χ^2/NDF:14732183242.4/25

Out: -0.184+/-0.000 χ^2/NDF:17356649303.8/29

All: -0.190+/-0.000 χ^2/NDF: 32110770385.2/

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:93308.5/10

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:175472.2/9

Left: 0.006+/-0.000 χ^2/NDF: 274745.7/20

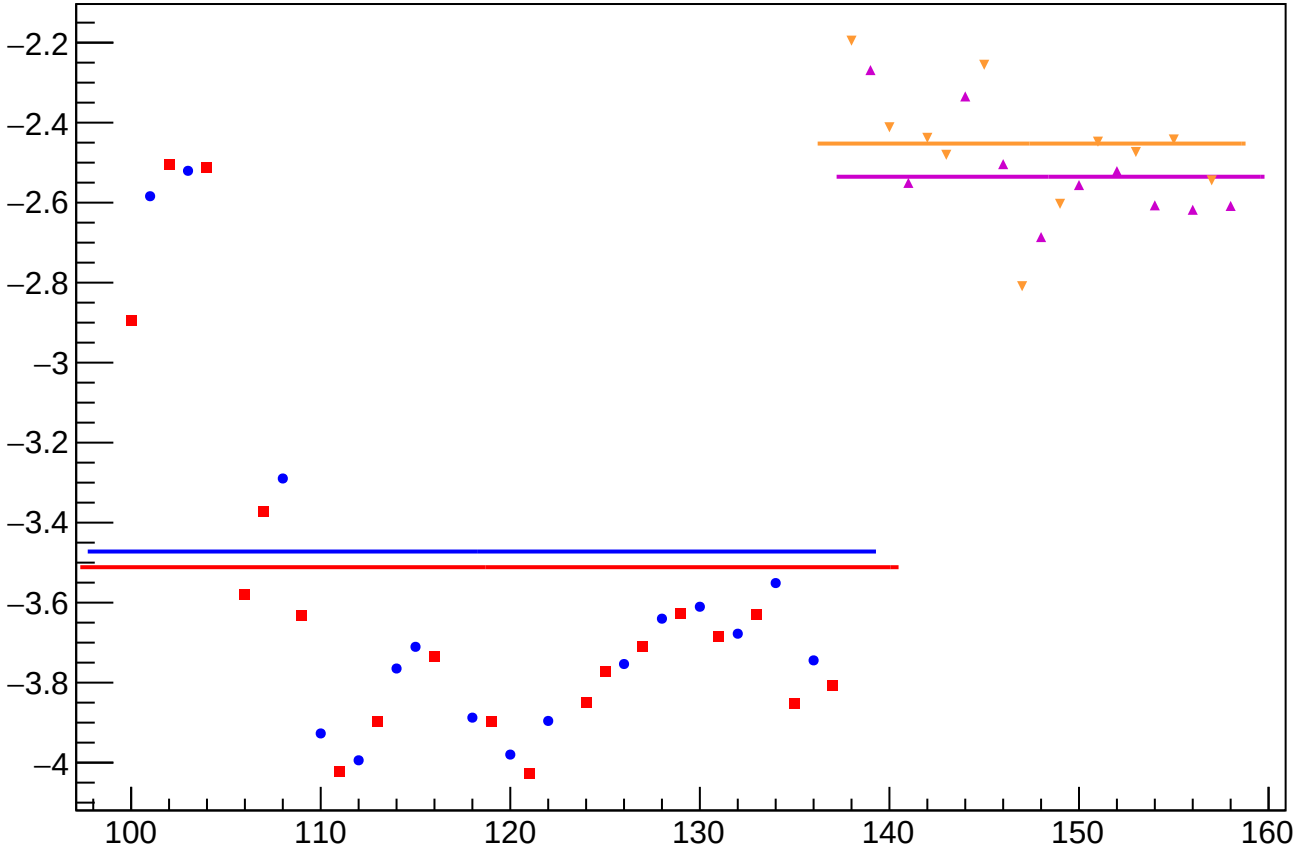
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:569673.5/25

Out: 0.006+/-0.000 χ^2/NDF:548003.5/29

All: 0.006+/-0.000 χ^2/NDF: 1125234.5/55

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.452+/-0.000 χ^2/NDF:1532430073.8/10

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.535+/-0.000 χ^2/NDF:1272814656.0/9

Left: -2.493+/-0.000 χ^2/NDF: 3138009291.7/20

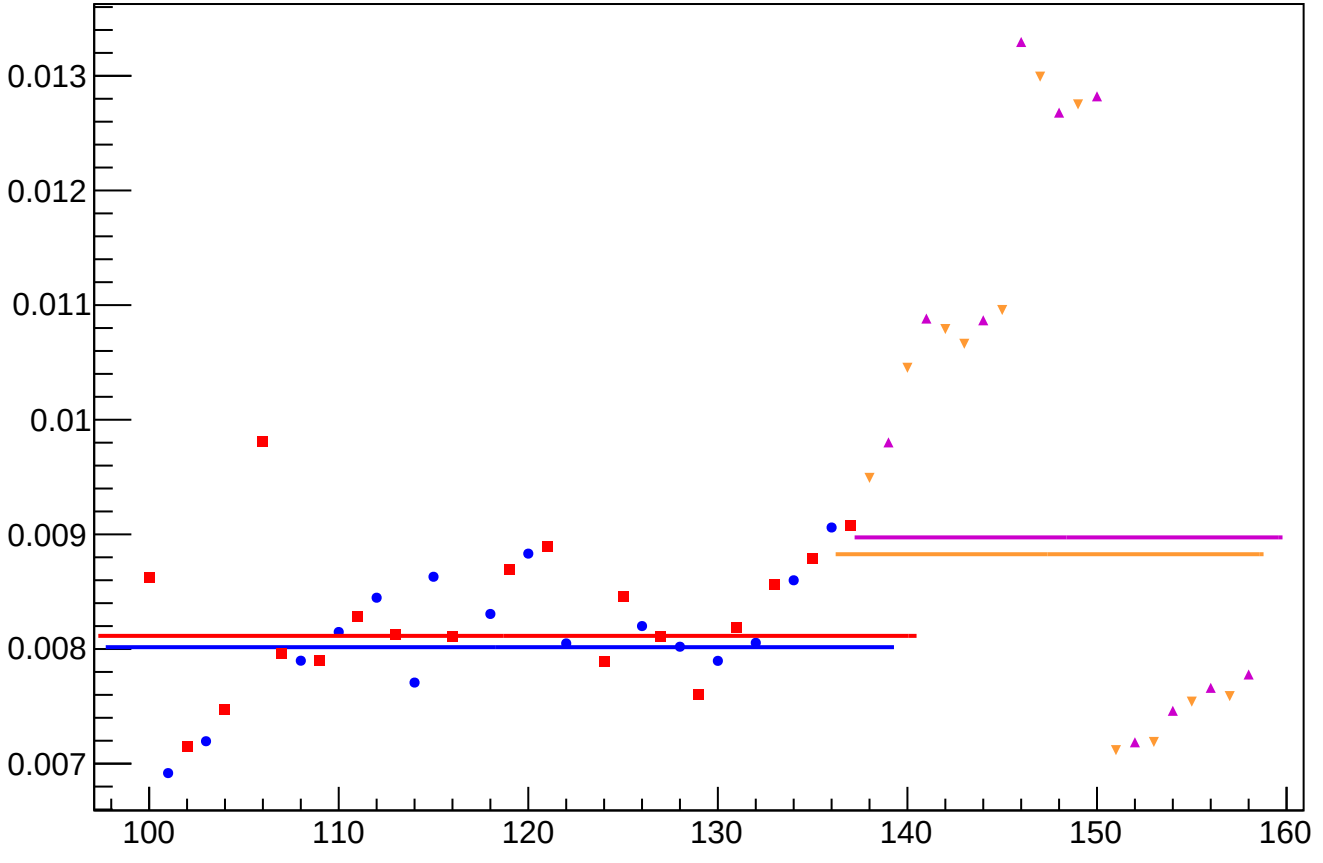
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.034+/-0.000 χ^2/NDF:75474335583.8/25

Out: -3.007+/-0.000 χ^2/NDF:88983541425.1/29

All: -3.021+/-0.000 χ^2/NDF: 164535656100.8

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:700913.1/10

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:781603.1/9

Left: 0.009+/-0.000 χ^2/NDF: 1484602.0/20

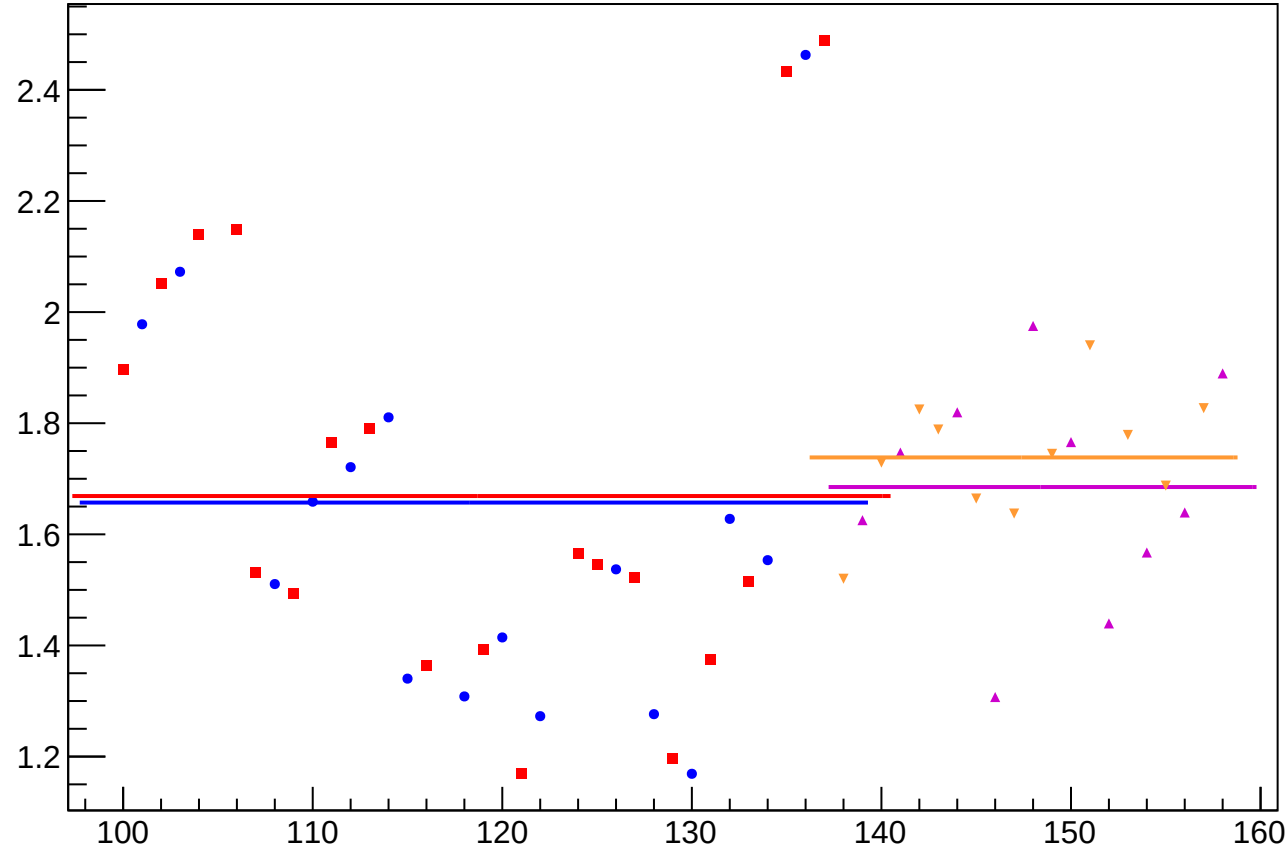
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:961029.7/25

Out: 0.008+/-0.000 χ^2/NDF:824210.4/29

All: 0.008+/-0.000 χ^2/NDF: 1785258.9/55

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.738+/-0.000 χ^2/NDF:761265544.4/10

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.685+/-0.000 χ^2/NDF:1811735897.8/9

Left: 1.713+/-0.000 χ^2/NDF: 2656773009.0/20

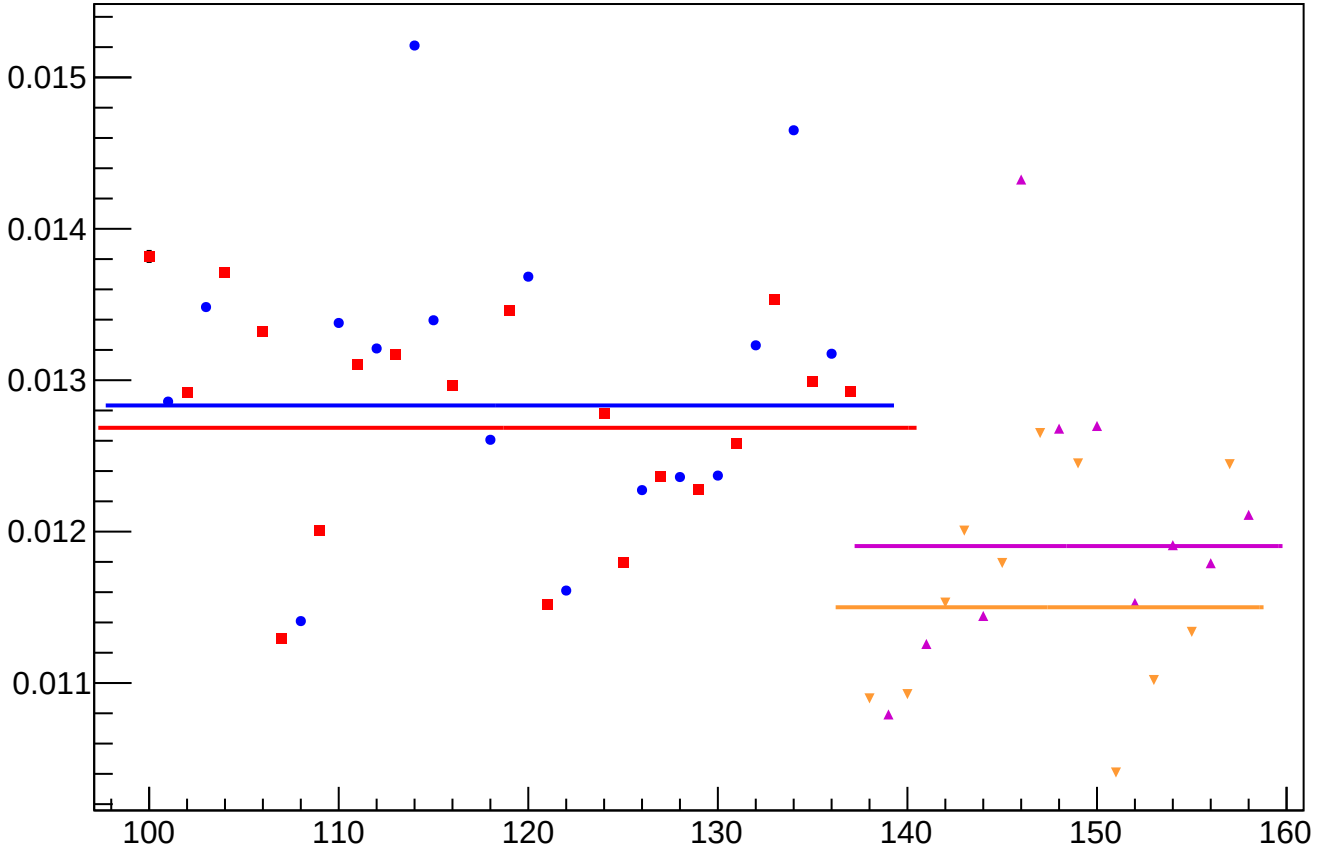
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.673+/-0.000 χ^2/NDF:8496937123.8/25

Out: 1.709+/-0.000 χ^2/NDF:7243994471.0/29

All: 1.692+/-0.000 χ^2/NDF: 15807307863.8/5

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:62804.4/10

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:85085.1/9

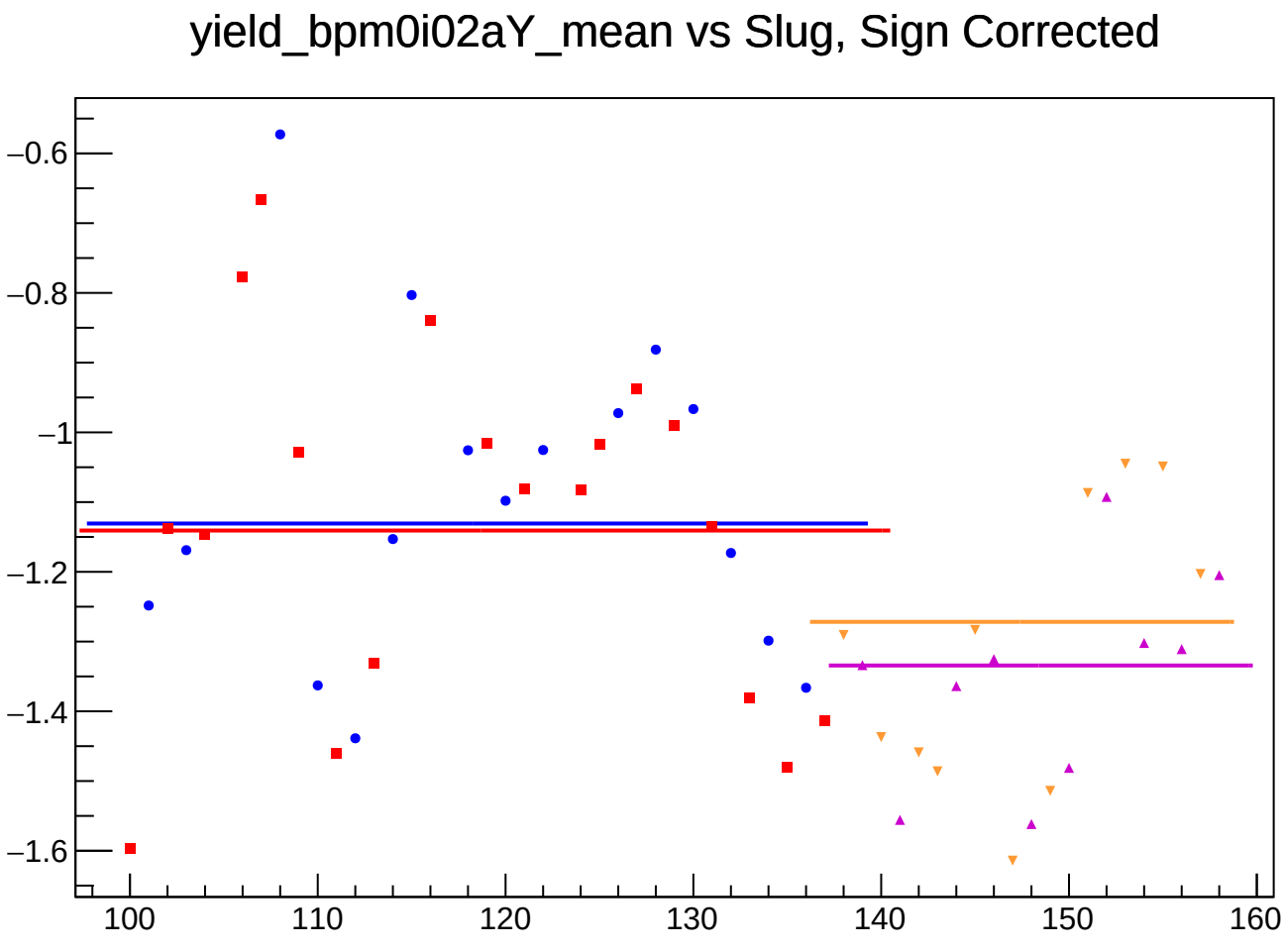
Left: 0.012+/-0.000 χ^2/NDF: 157531.1/20

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

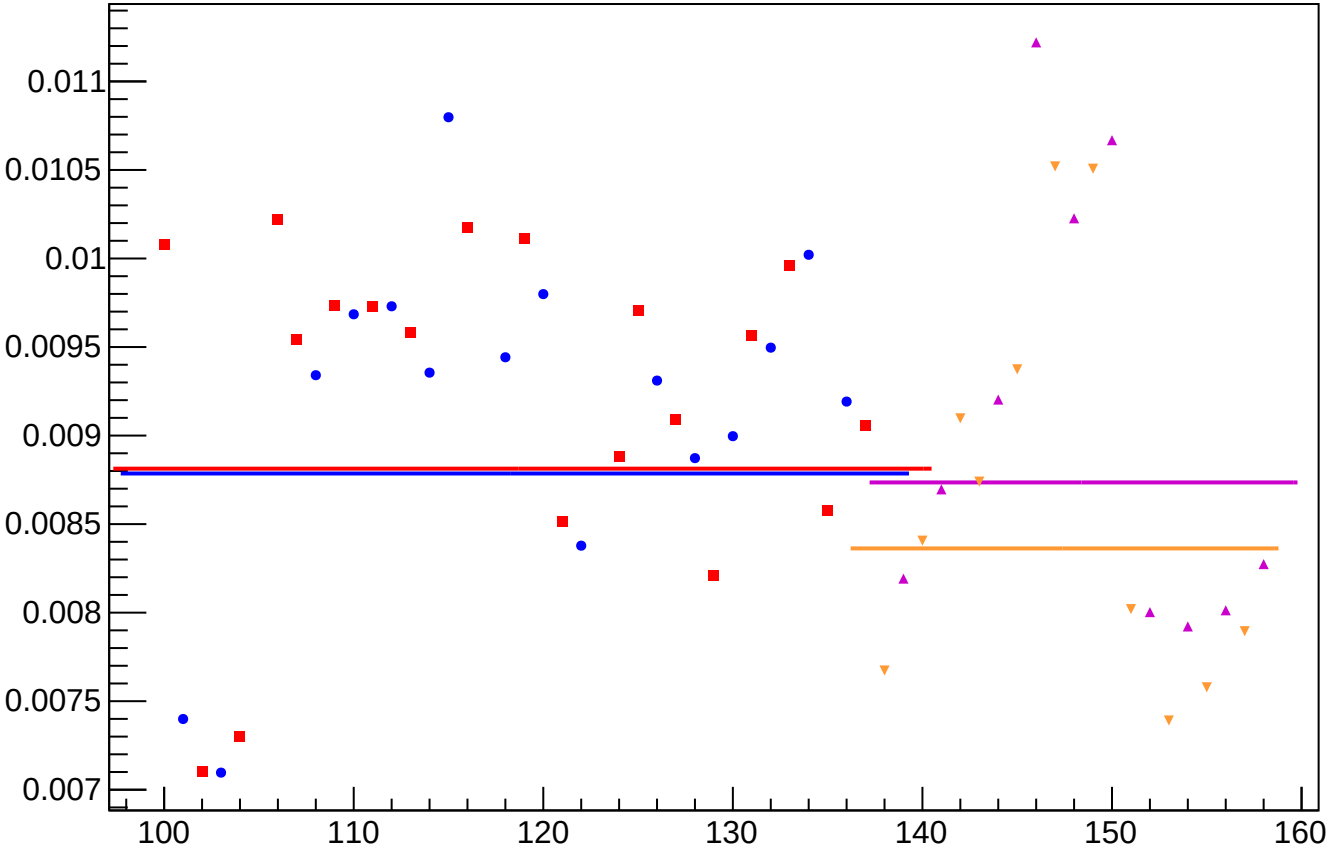
In: 0.012+/-0.000 χ^2/NDF:179606.1/25

Out: 0.012+/-0.000 χ^2/NDF:178908.2/29

All: 0.012+/-0.000 χ^2/NDF: 367893.7/55


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.272+/-0.000 χ²/NDF:3906145976.5/10
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.334+/-0.000 χ²/NDF:2004721449.3/9
Left: -1.302+/-0.000 χ²/NDF: 6120580470.7/20
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.240+/-0.000 χ²/NDF:7771429353.6/25
Out: -1.213+/-0.000 χ²/NDF:8300163506.3/29
All: -1.226+/-0.000 χ²/NDF: 16141693601.2/

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:204563.5/10

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:209355.2/9

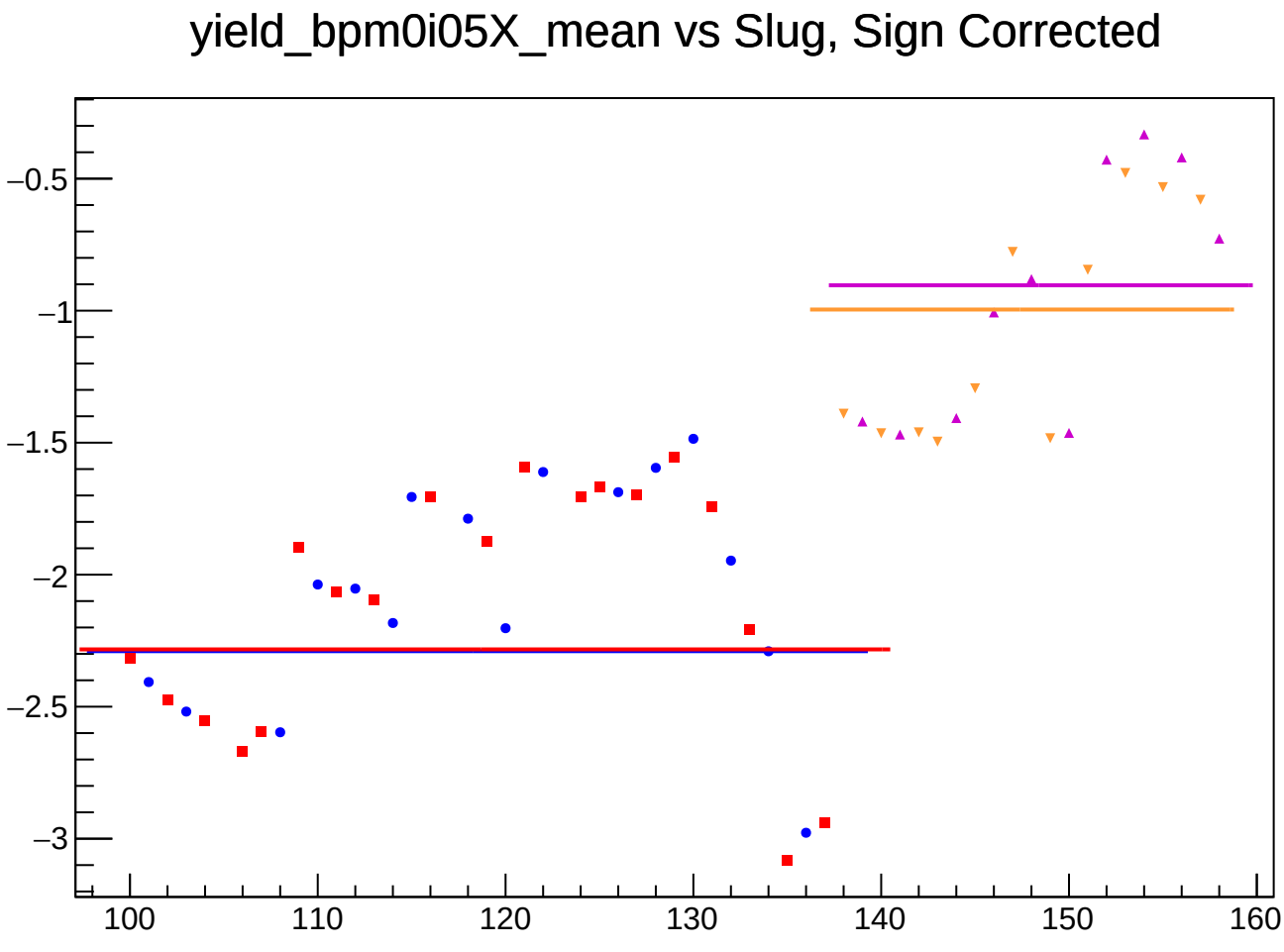
Left: 0.009+/-0.000 χ^2/NDF: 428781.7/20

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

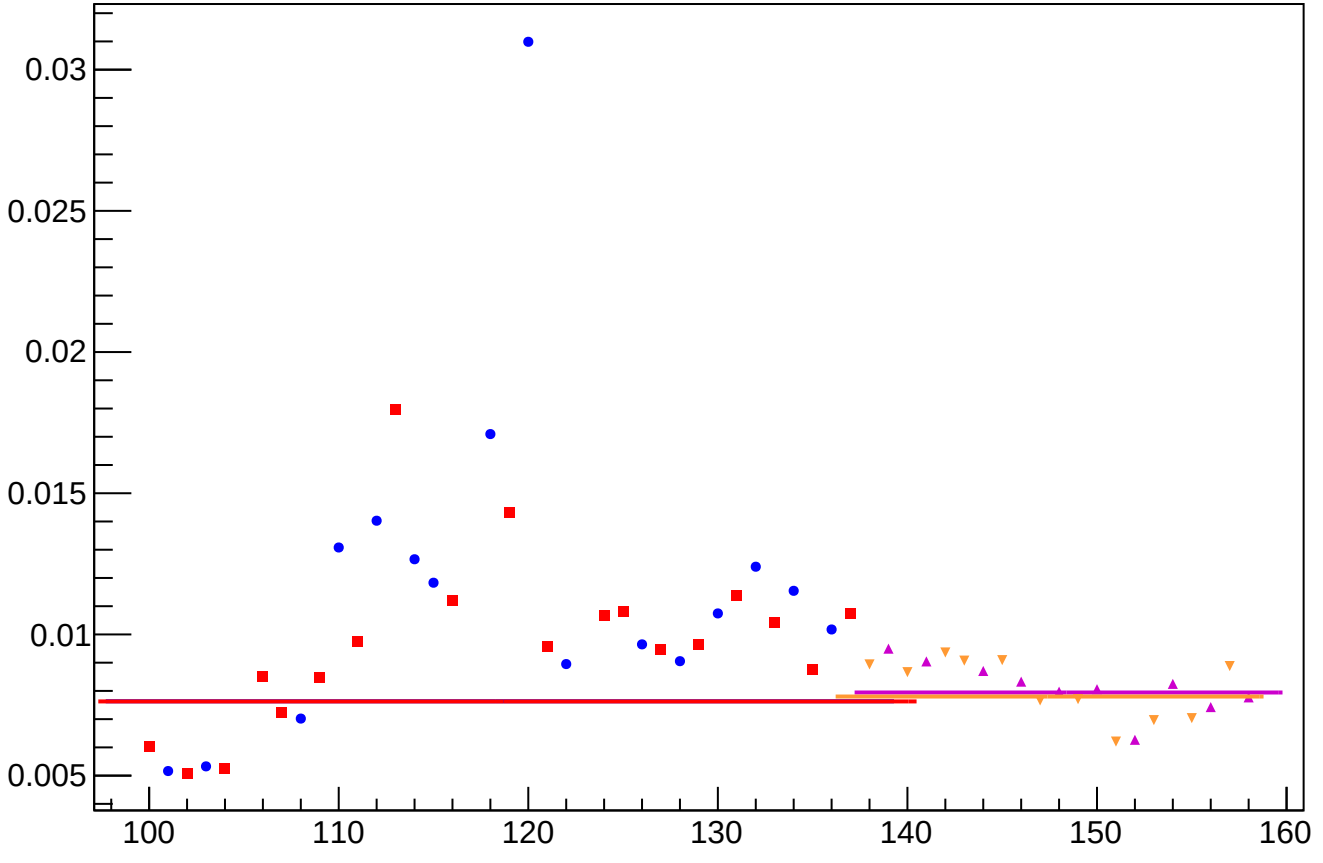
In: 0.009+/-0.000 χ^2/NDF:383076.8/25

Out: 0.009+/-0.000 χ^2/NDF:429117.9/29

All: 0.009+/-0.000 χ^2/NDF: 819688.1/55


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.996+/-0.000 χ²/NDF:19824196533.6/10
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.904+/-0.000 χ²/NDF:23182666449.6/9
Left: -0.950+/-0.000 χ²/NDF: 43514877827.9/20
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.490+/-0.000 χ²/NDF:135125019974.1/25
Out: -1.562+/-0.000 χ²/NDF:125229592414.5/29
All: -1.527+/-0.000 χ²/NDF: 260910001705.9

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:266555.8/10

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:200950.5/9

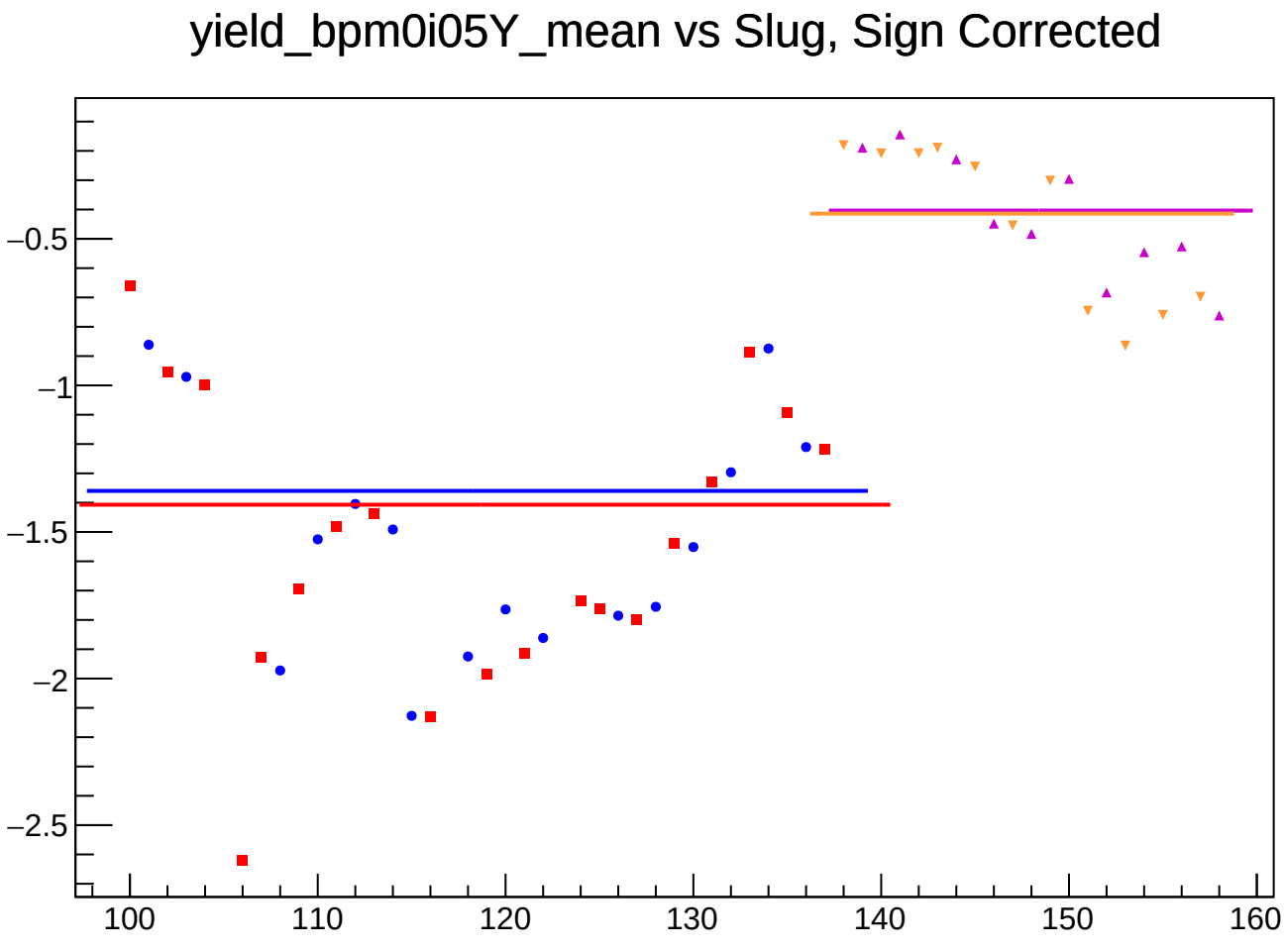
Left: 0.008+/-0.000 χ^2/NDF: 469962.5/20

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1921507.9/25

Out: 0.008+/-0.000 χ^2/NDF:1587509.4/29

All: 0.008+/-0.000 χ^2/NDF: 3510644.2/55



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.414+/-0.000 χ^2/NDF:23947969720.6/10

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.404+/-0.000 χ^2/NDF:15150349025.2/9

Left: -0.409+/-0.000 χ^2/NDF: 39118429208.3/20

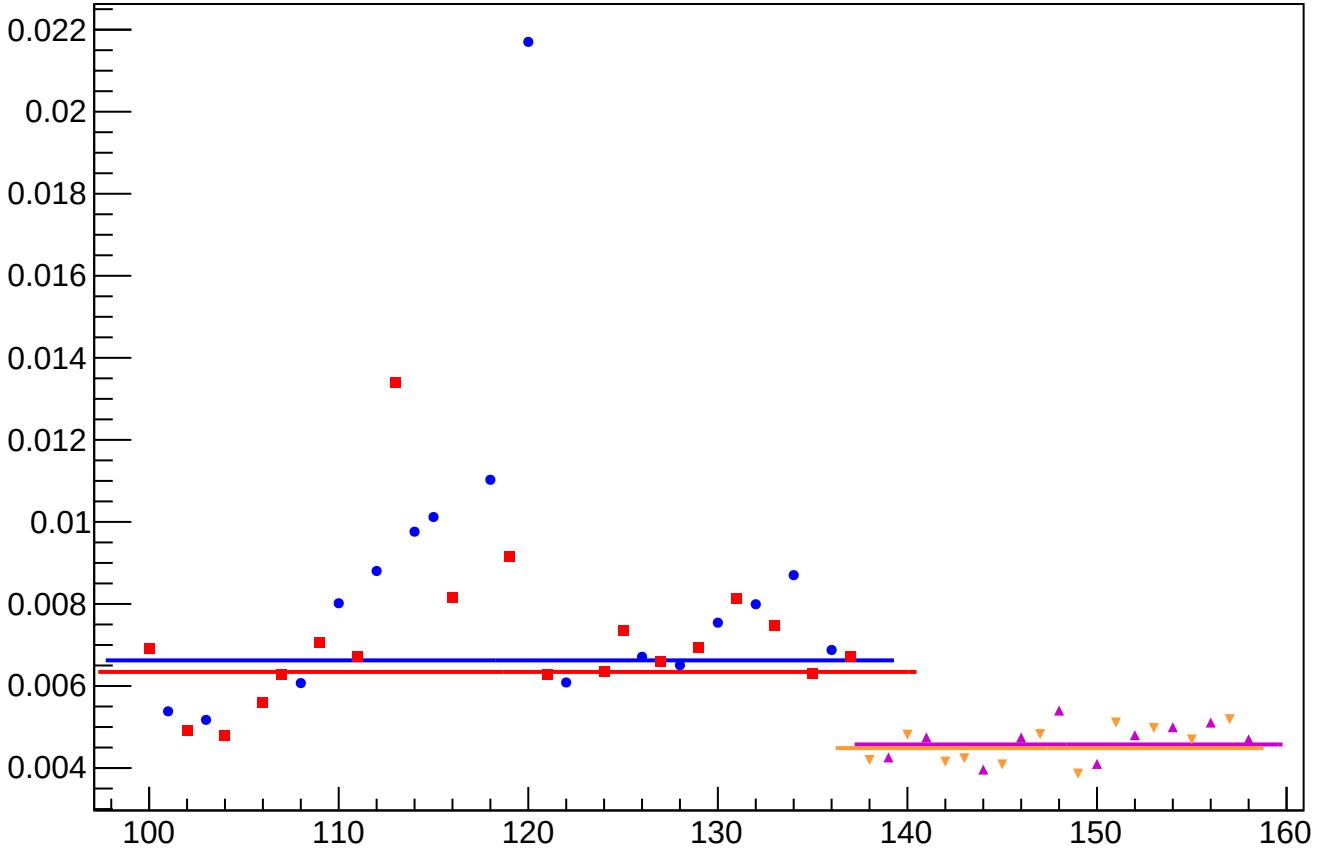
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.659+/-0.000 χ^2/NDF:125064120454.0/25

Out: -0.700+/-0.000 χ^2/NDF:160570386354.9/29

All: -0.680+/-0.000 χ^2/NDF: 286064236552.0

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:145911.0/10

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:134122.1/9

Left: 0.005+/-0.000 χ^2/NDF: 283006.2/20

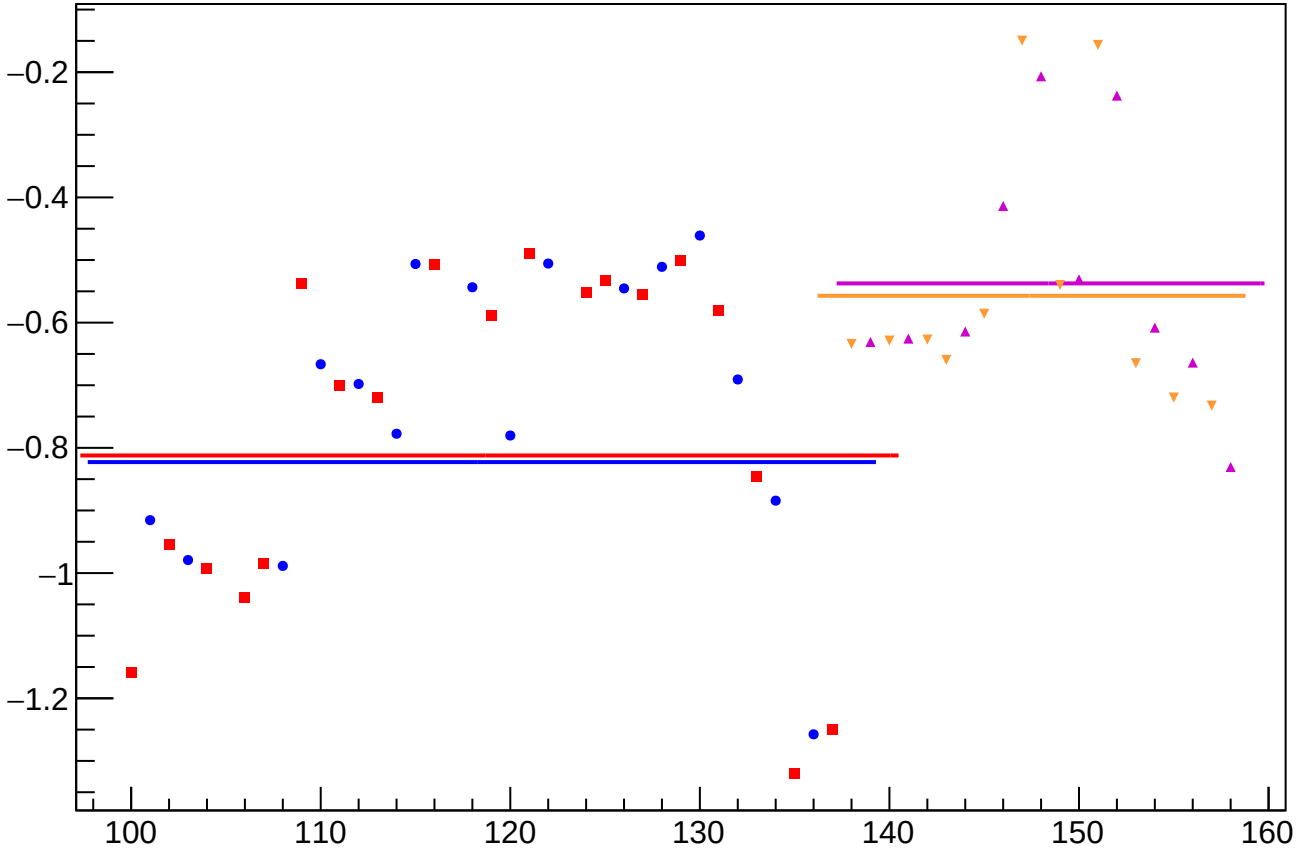
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1640703.4/25

Out: 0.005+/-0.000 χ^2/NDF:1423126.1/29

All: 0.005+/-0.000 χ^2/NDF: 3069142.6/55

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.557+/-0.000 χ^2/NDF:12474742395.1/10

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.537+/-0.000 χ^2/NDF:11785908554.3/9

Left: -0.547+/-0.000 χ^2/NDF: 24317233436.7/20

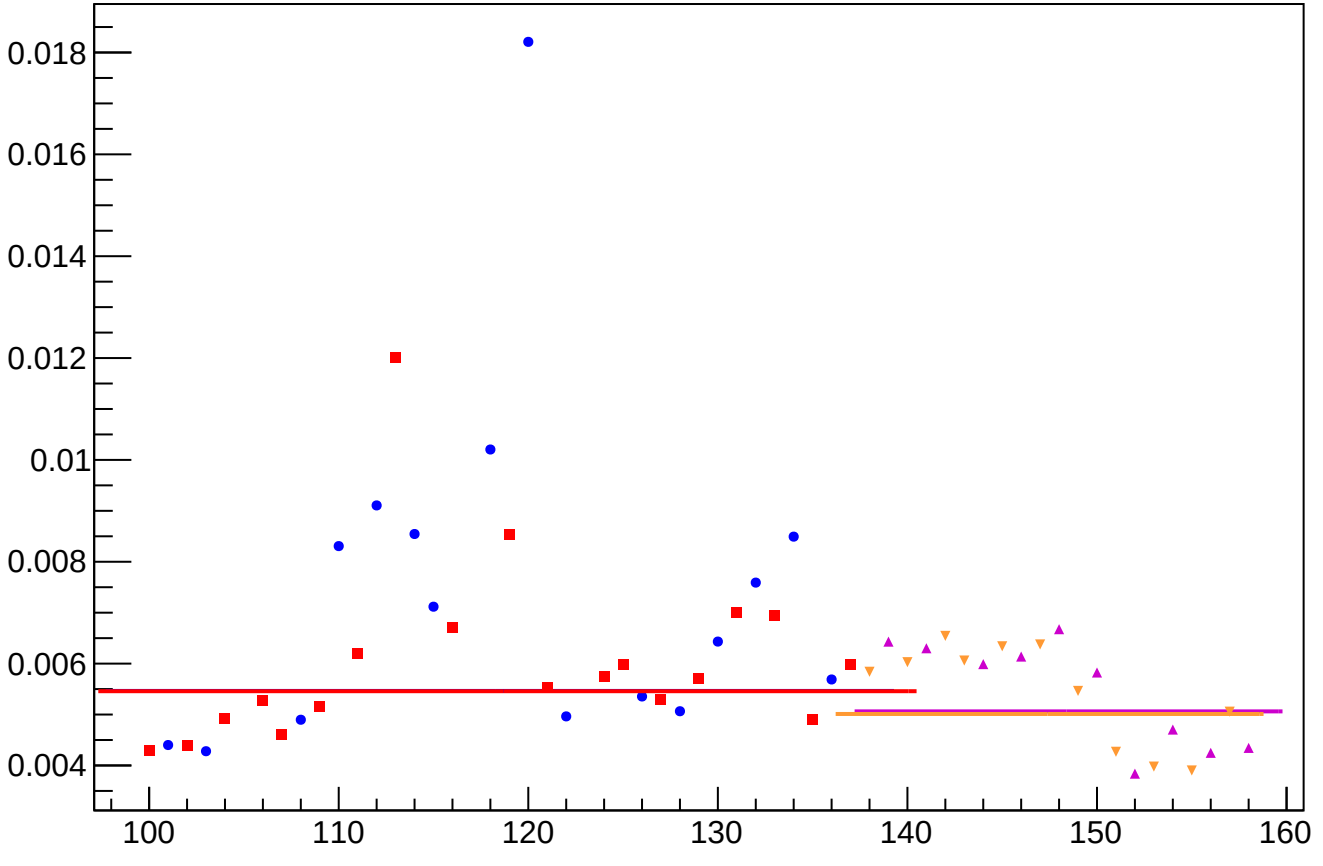
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.649+/-0.000 χ^2/NDF:33190458990.1/25

Out: -0.662+/-0.000 χ^2/NDF:35034008801.2/29

All: -0.655+/-0.000 χ^2/NDF: 68266671695.0/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:555663.7/10

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:593613.5/9

Left: 0.005+/-0.000 χ^2/NDF: 1150025.2/20

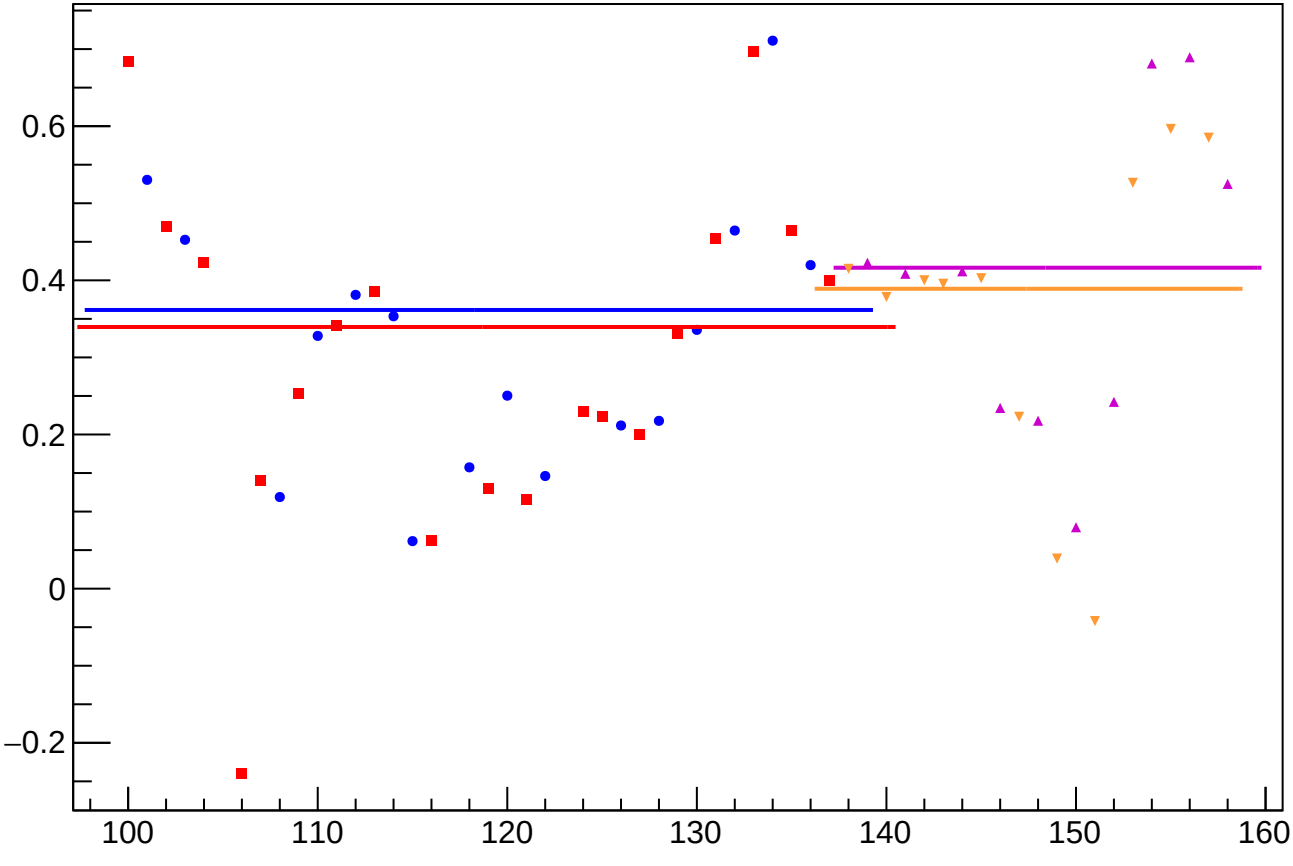
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1591382.1/25

Out: 0.005+/-0.000 χ^2/NDF:1111002.6/29

All: 0.005+/-0.000 χ^2/NDF: 2702655.4/55

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.389+/-0.000 χ^2/NDF:14685339892.8/10

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.416+/-0.000 χ^2/NDF:13393506521.9/9

Left: 0.403+/-0.000 χ^2/NDF: 28230759862.4/20

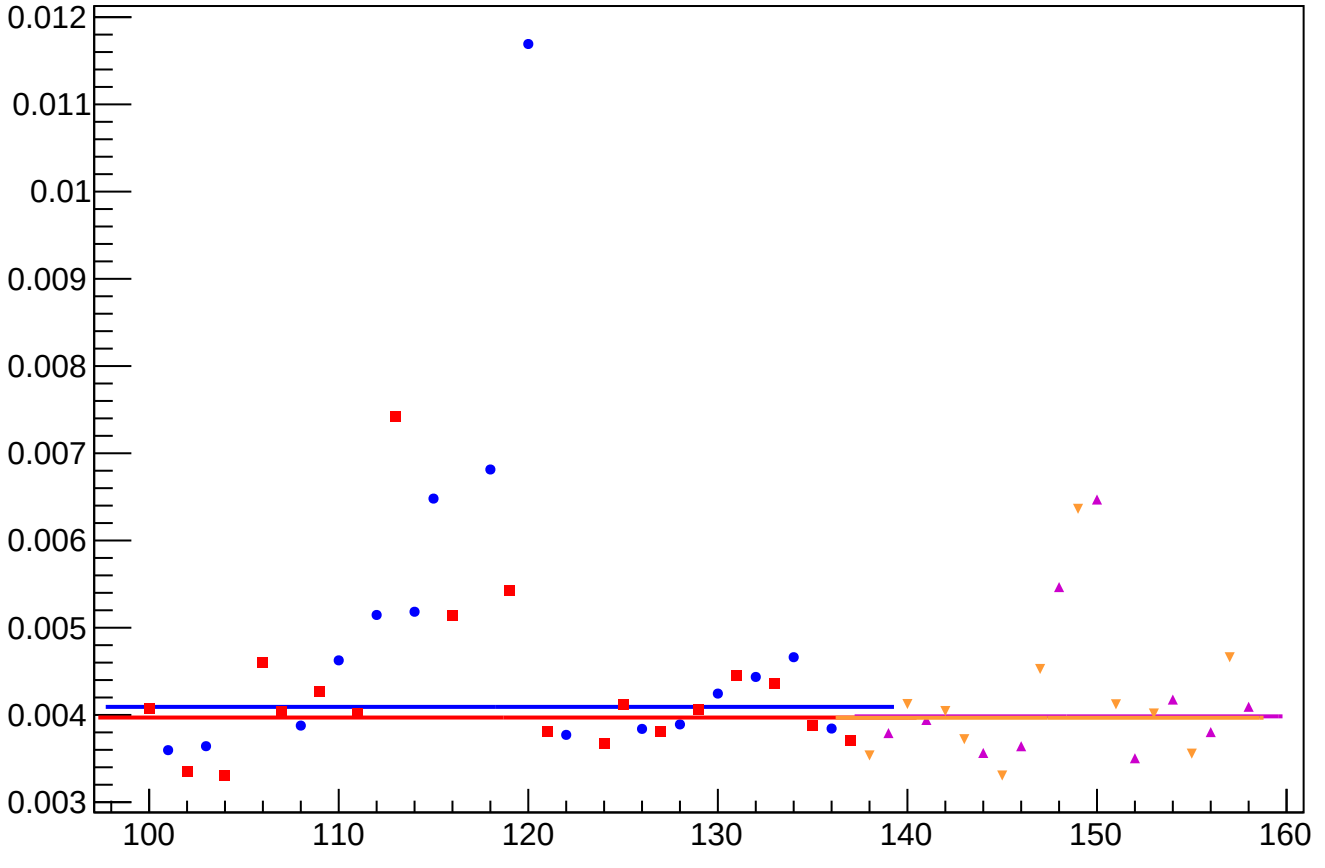
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.390+/-0.000 χ^2/NDF:22749184601.1/25

Out: 0.364+/-0.000 χ^2/NDF:27256644792.8/29

All: 0.377+/-0.000 χ^2/NDF: 50278630263.0/5

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:324959.0/10

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:364793.9/9

Left: 0.004+/-0.000 χ^2/NDF: 689859.2/20

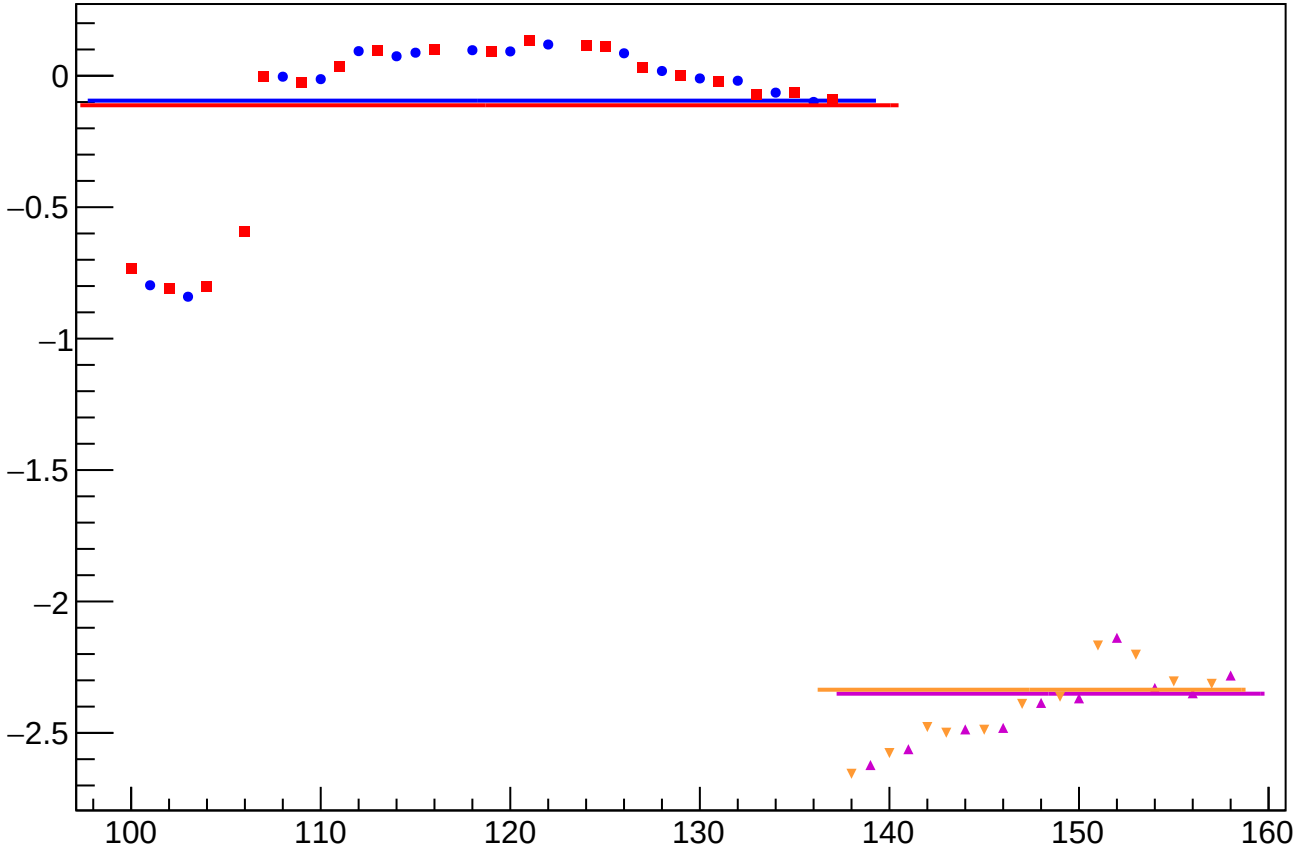
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:861091.0/25

Out: 0.004+/-0.000 χ^2/NDF:638662.8/29

All: 0.004+/-0.000 χ^2/NDF: 1503222.0/55

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.336+/-0.000 χ^2/NDF:1522223728.7/10

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.351+/-0.000 χ^2/NDF:1264564791.6/9

Left: -2.343+/-0.000 χ^2/NDF: 2794608127.6/20

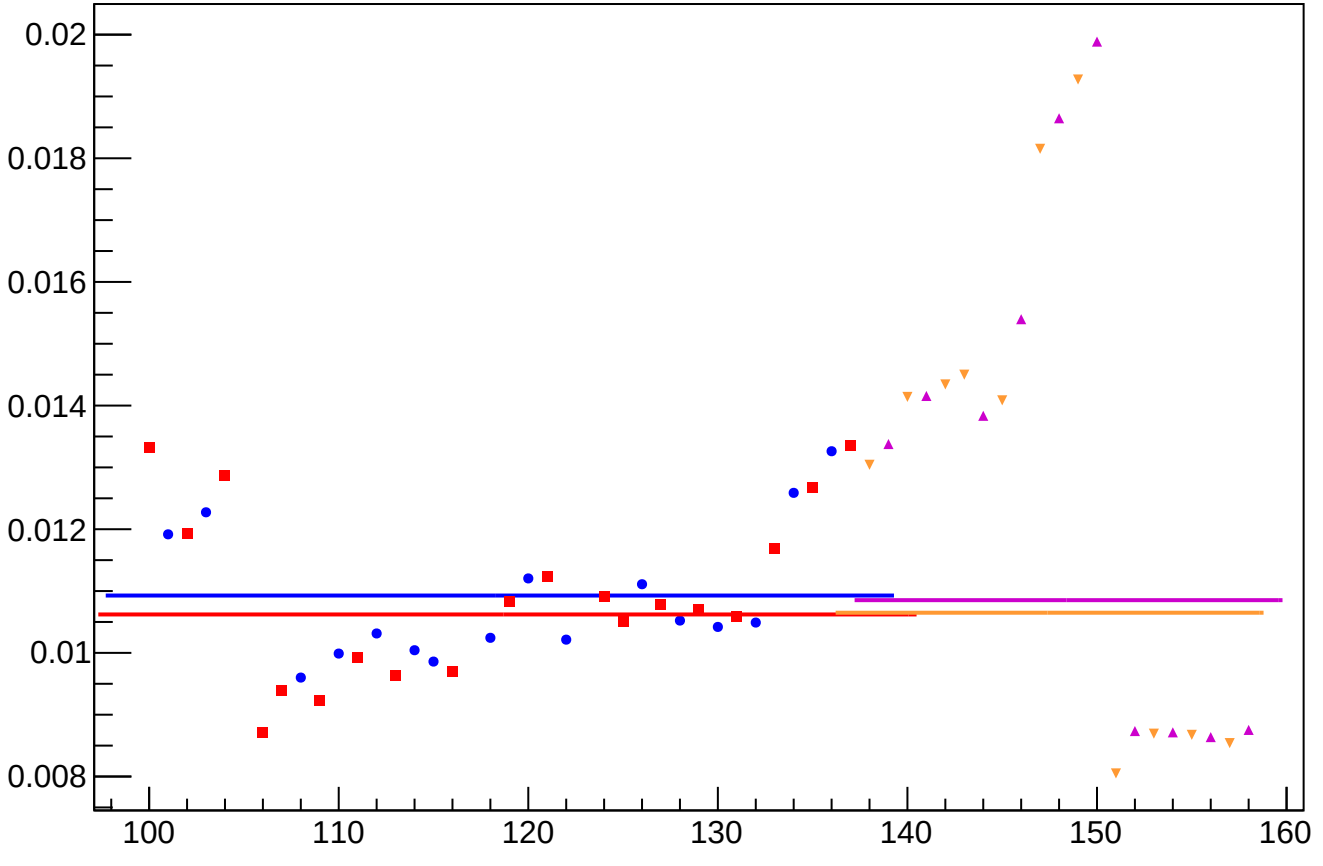
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.290+/-0.000 χ^2/NDF:167672806561.4/25

Out: -1.257+/-0.000 χ^2/NDF:173989237461.3/29

All: -1.273+/-0.000 χ^2/NDF: 341735967210.1

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:1476625.3/10

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.011+/-0.000 χ^2/NDF:1468175.3/9

Left: 0.011+/-0.000 χ^2/NDF: 2947618.2/20

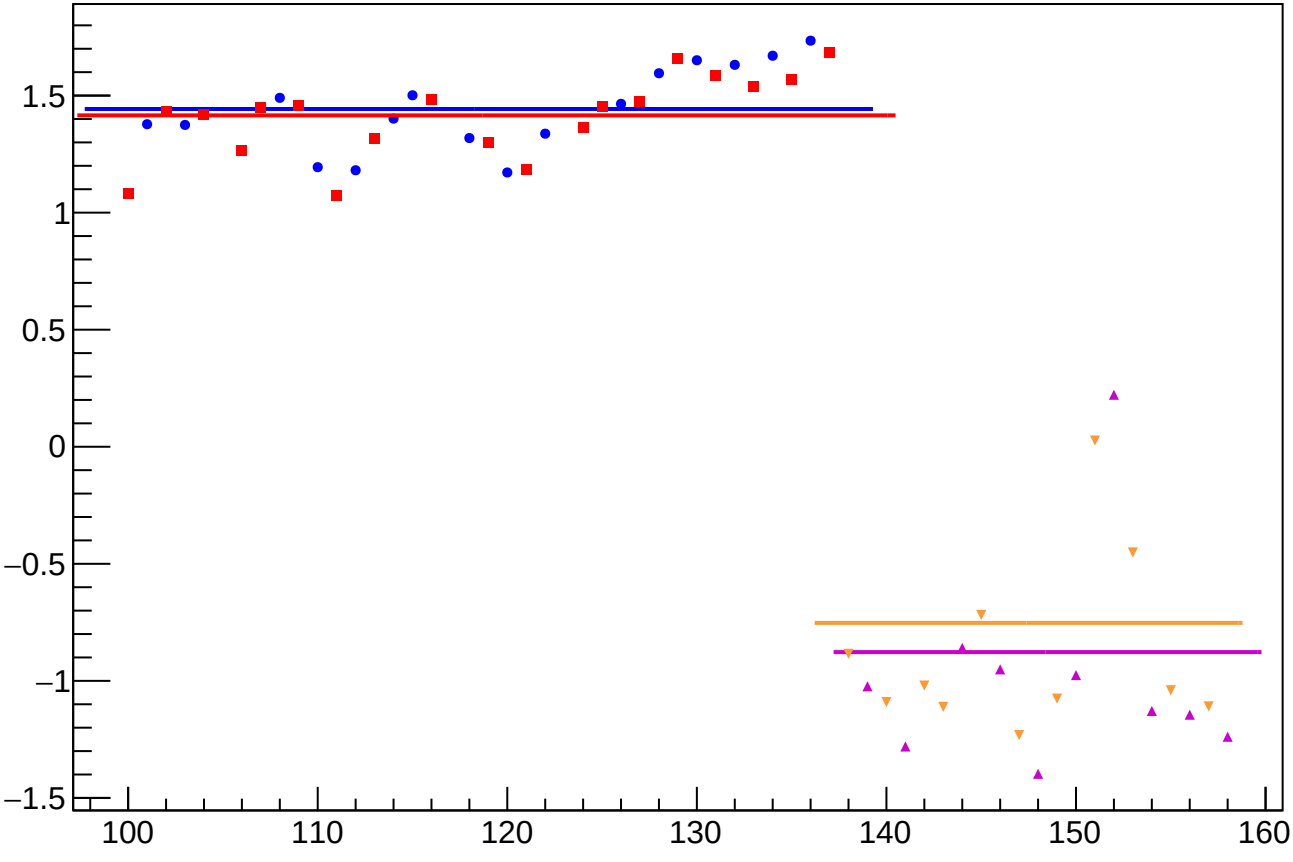
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:1605007.9/25

Out: 0.011+/-0.000 χ^2/NDF:1667204.5/29

All: 0.011+/-0.000 χ^2/NDF: 3280507.9/55

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.752+/-0.000 χ^2/NDF:24444545489.8/10

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.877+/-0.000 χ^2/NDF:37231822211.2/9

Left: -0.815+/-0.000 χ^2/NDF: 62682018632.4/20

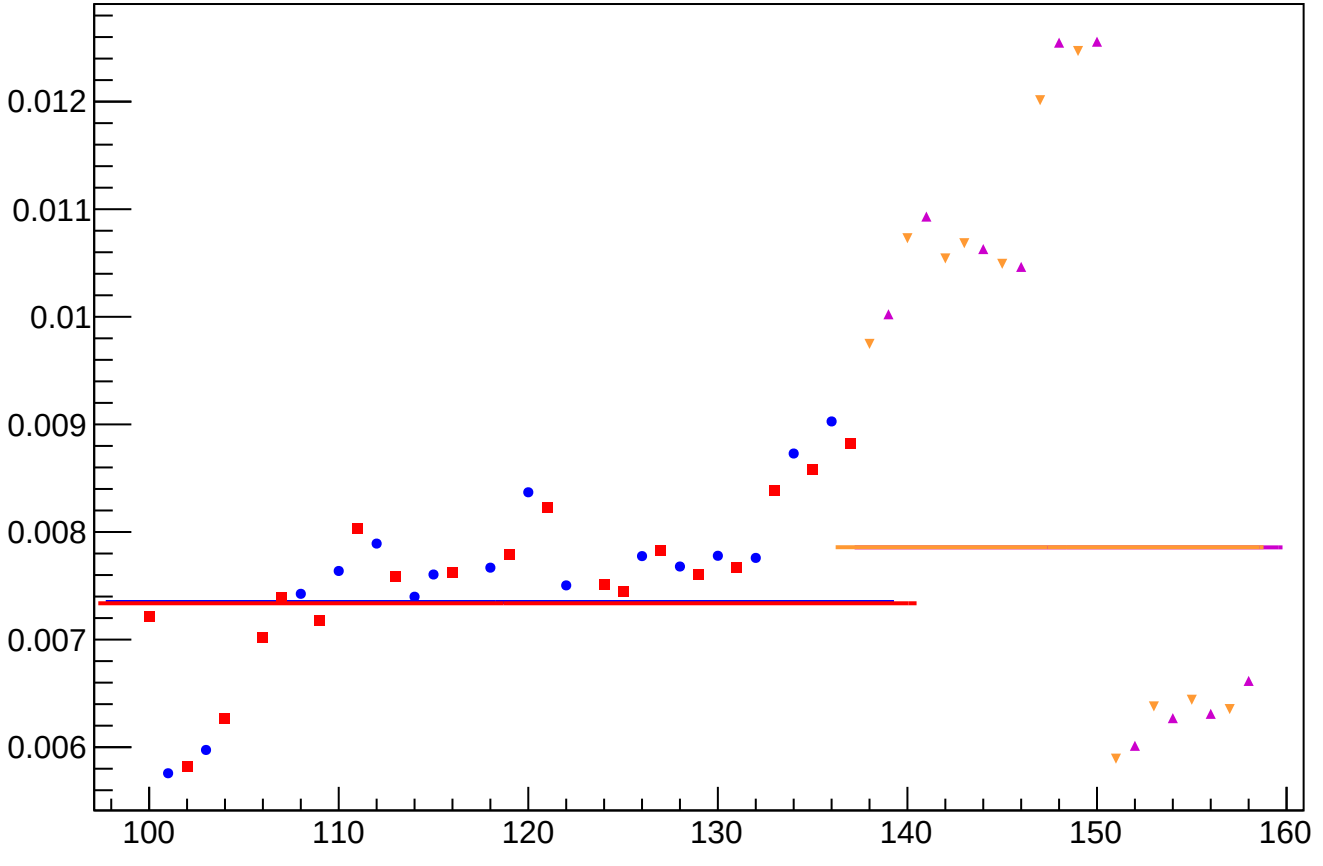
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.289+/-0.000 χ^2/NDF:391010896720.4/25

Out: 0.364+/-0.000 χ^2/NDF:339198449421.6/29

All: 0.327+/-0.000 χ^2/NDF: 730951603396.8

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:1318848.7/10

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1368412.8/9

Left: 0.008+/-0.000 χ^2/NDF: 2687261.8/20

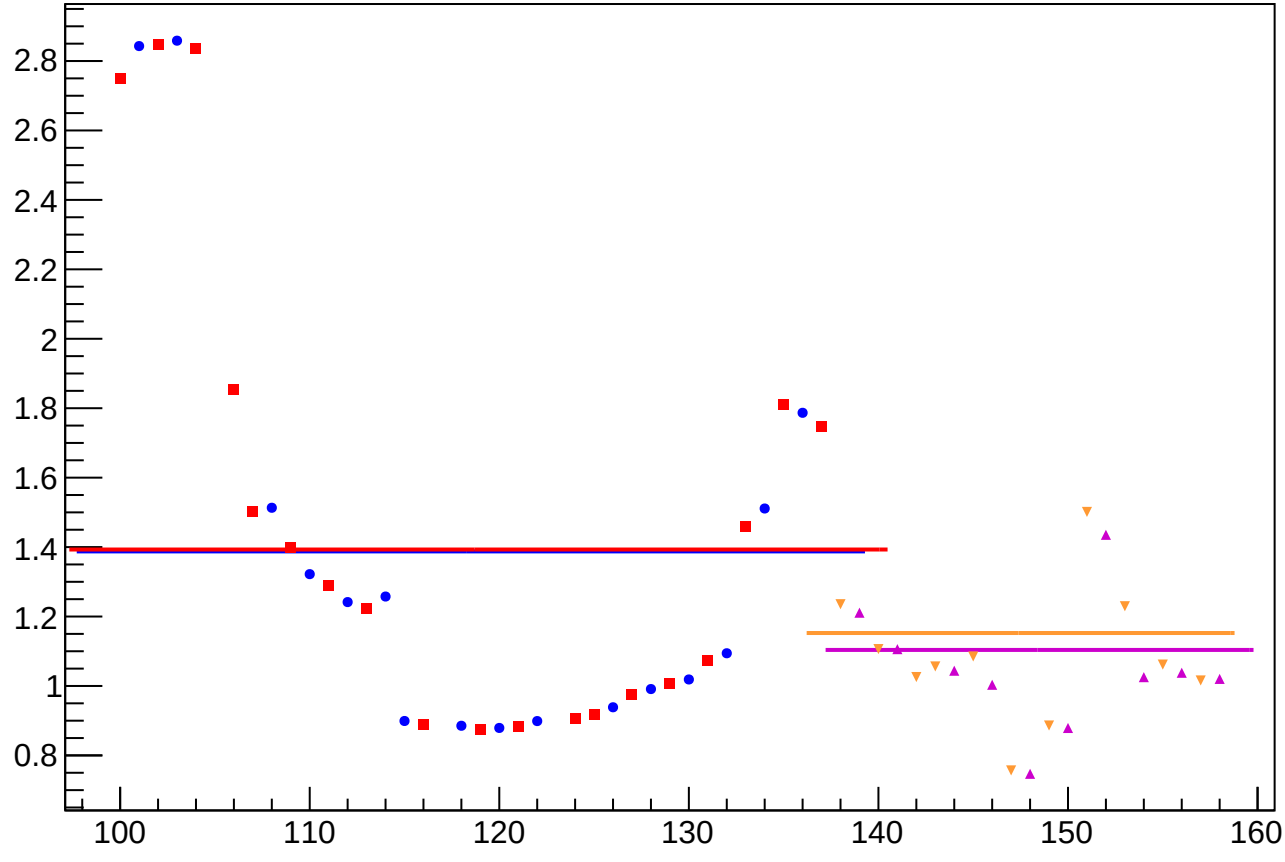
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1672809.8/25

Out: 0.008+/-0.000 χ^2/NDF:1550268.0/29

All: 0.008+/-0.000 χ^2/NDF: 3223113.5/55

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.153+/-0.000 χ^2/NDF:4962430770.0/10

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.104+/-0.000 χ^2/NDF:4137220077.4/9

Left: 1.129+/-0.000 χ^2/NDF: 9265391725.7/20

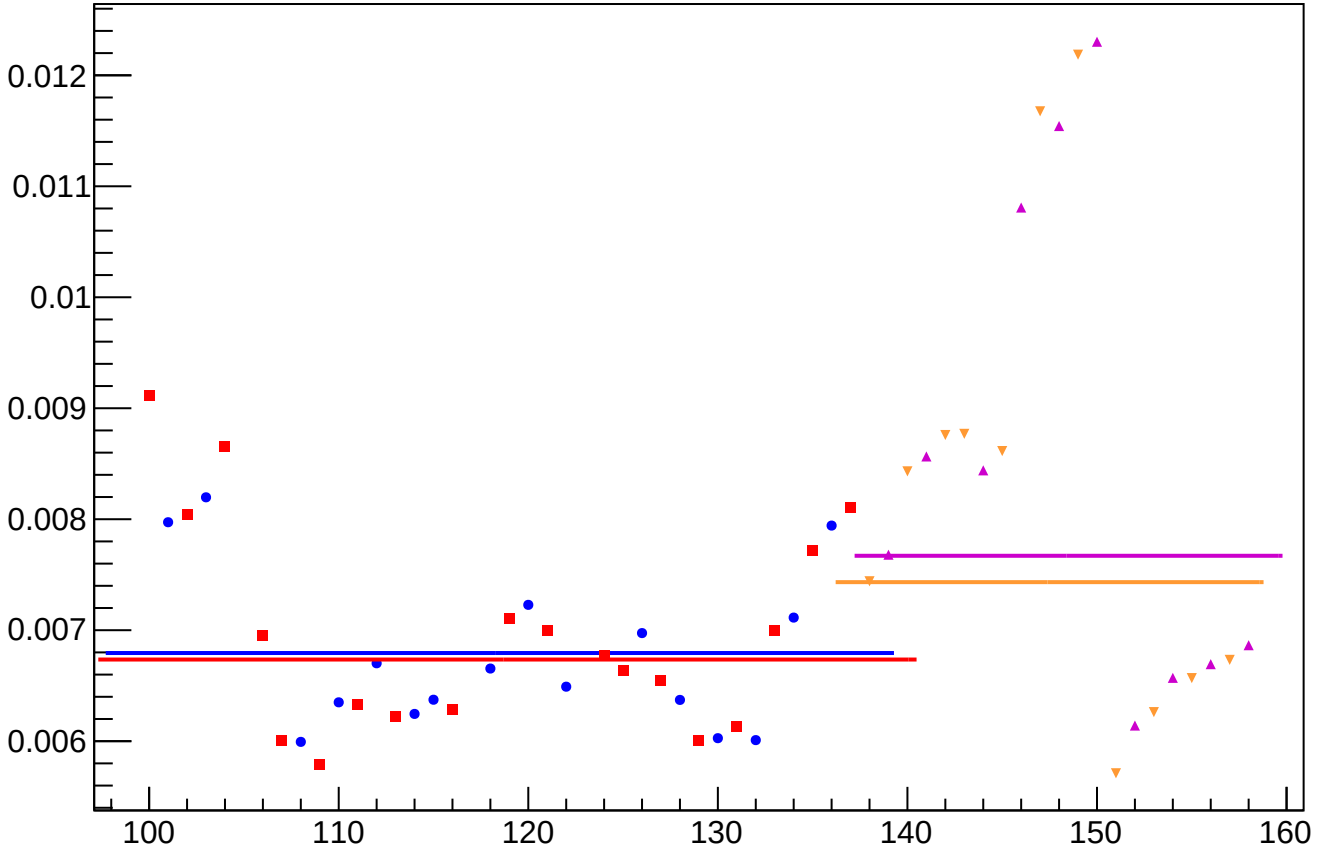
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.254+/-0.000 χ^2/NDF:68568959777.9/25

Out: 1.280+/-0.000 χ^2/NDF:64726277102.9/29

All: 1.268+/-0.000 χ^2/NDF: 133395259423.6

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:777351.5/10

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:793371.4/9

Left: 0.008+/-0.000 χ^2/NDF: 1578601.4/20

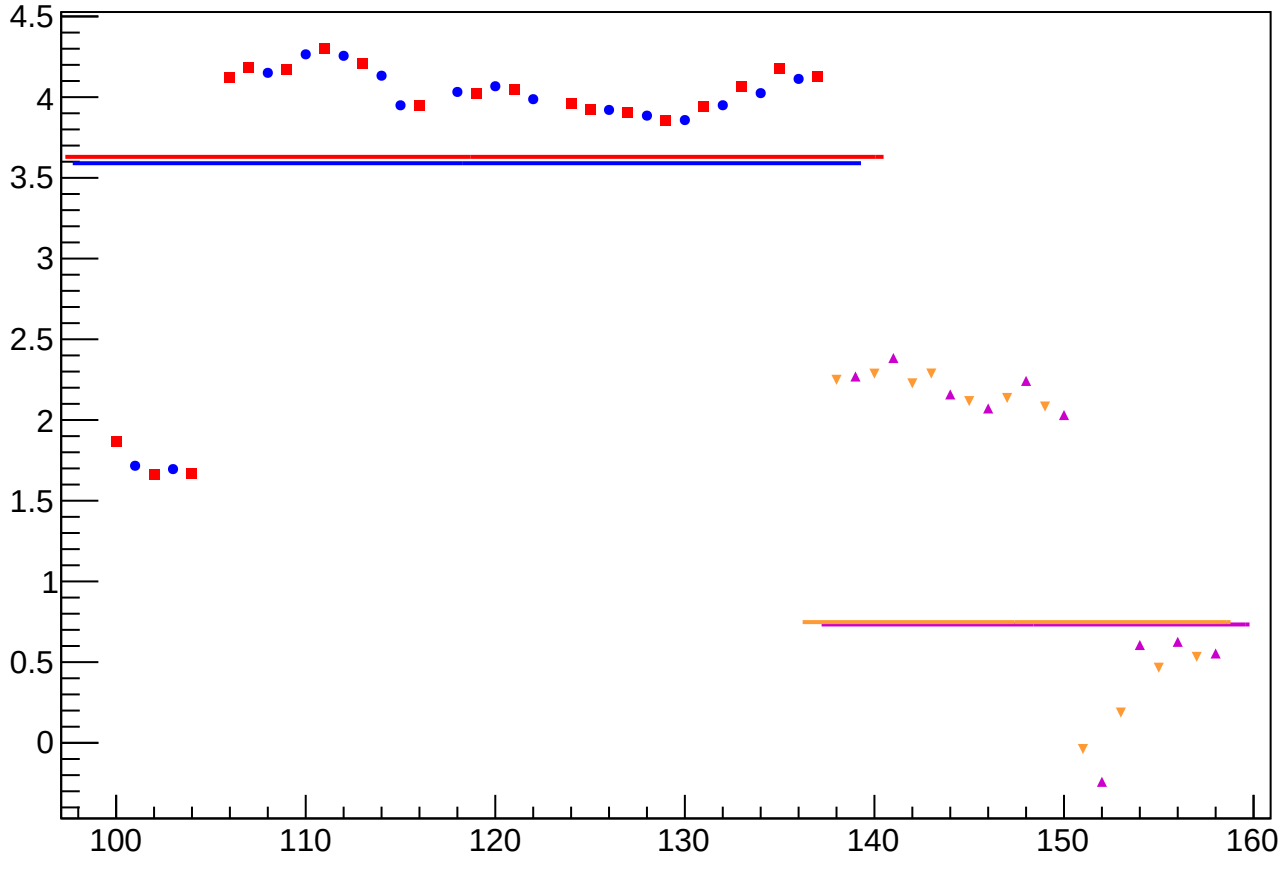
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1068774.4/25

Out: 0.007+/-0.000 χ^2/NDF:1049806.3/29

All: 0.007+/-0.000 χ^2/NDF: 2124679.4/55

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.748+/-0.000 χ^2/NDF:238694568757.3/10

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.733+/-0.000 χ^2/NDF:240778663157.5/9

Left: 0.741+/-0.000 χ^2/NDF: 479509936931.7/20

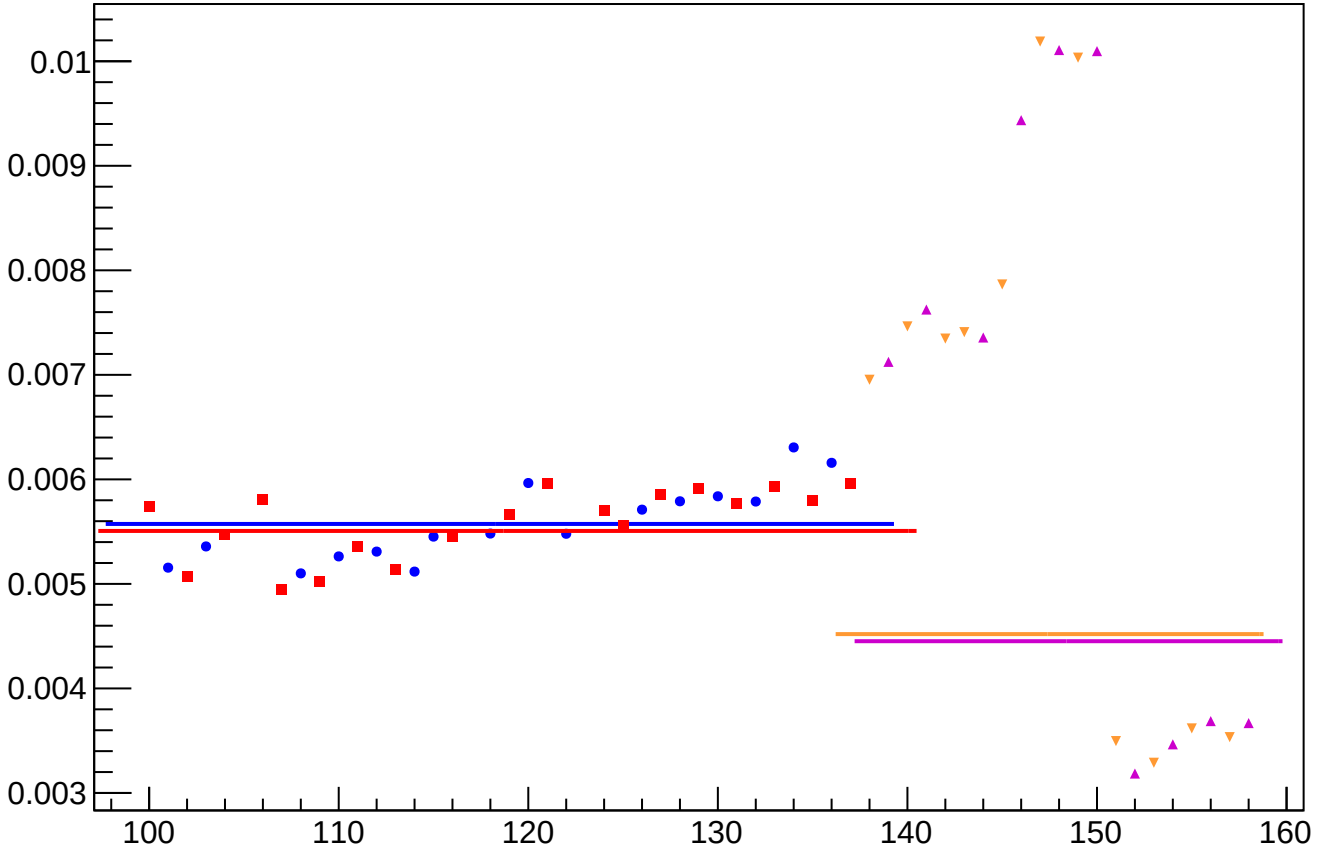
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.871+/-0.000 χ^2/NDF:1576792622966.2/25

Out: 1.950+/-0.000 χ^2/NDF:1617585137547.6/29

All: 1.910+/-0.000 χ^2/NDF: 3196177189439.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:2560988.8/10

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2782326.1/9

Left: 0.004+/-0.000 χ^2/NDF: 5344897.3/20

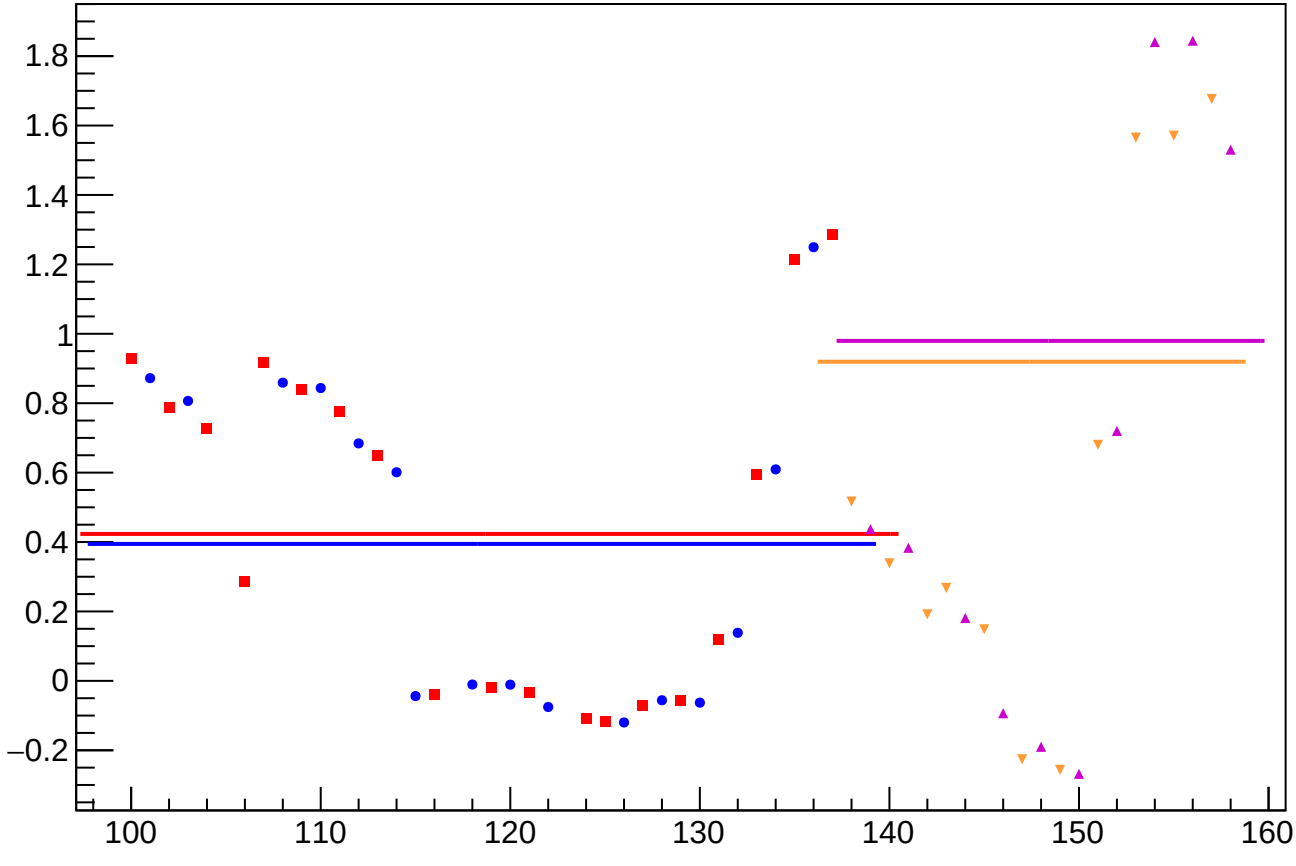
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:3190970.8/25

Out: 0.005+/-0.000 χ^2/NDF:2891934.4/29

All: 0.005+/-0.000 χ^2/NDF: 6083531.0/55

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.920+/-0.000 χ^2/NDF:25317149188.9/10

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.980+/-0.000 χ^2/NDF:32430342103.3/9

Left: 0.950+/-0.000 χ^2/NDF: 57845244696.6/20

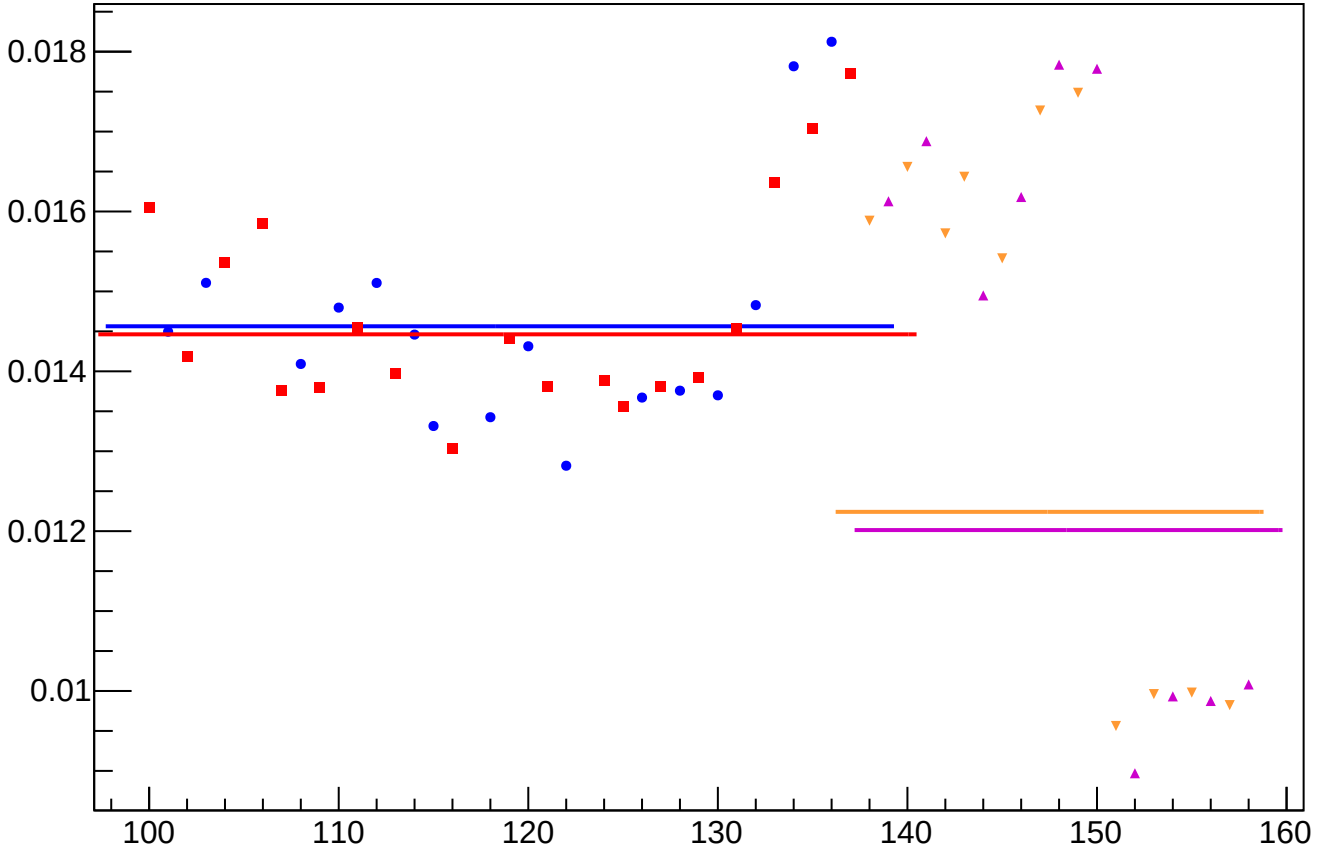
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.759+/-0.000 χ^2/NDF:46979813626.7/25

Out: 0.723+/-0.000 χ^2/NDF:37403903694.9/29

All: 0.741+/-0.000 χ^2/NDF: 84440950442.2/5

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:1087793.2/10

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.012+/-0.000 χ^2/NDF:1214691.2/9

Left: 0.012+/-0.000 χ^2/NDF: 2305304.1/20

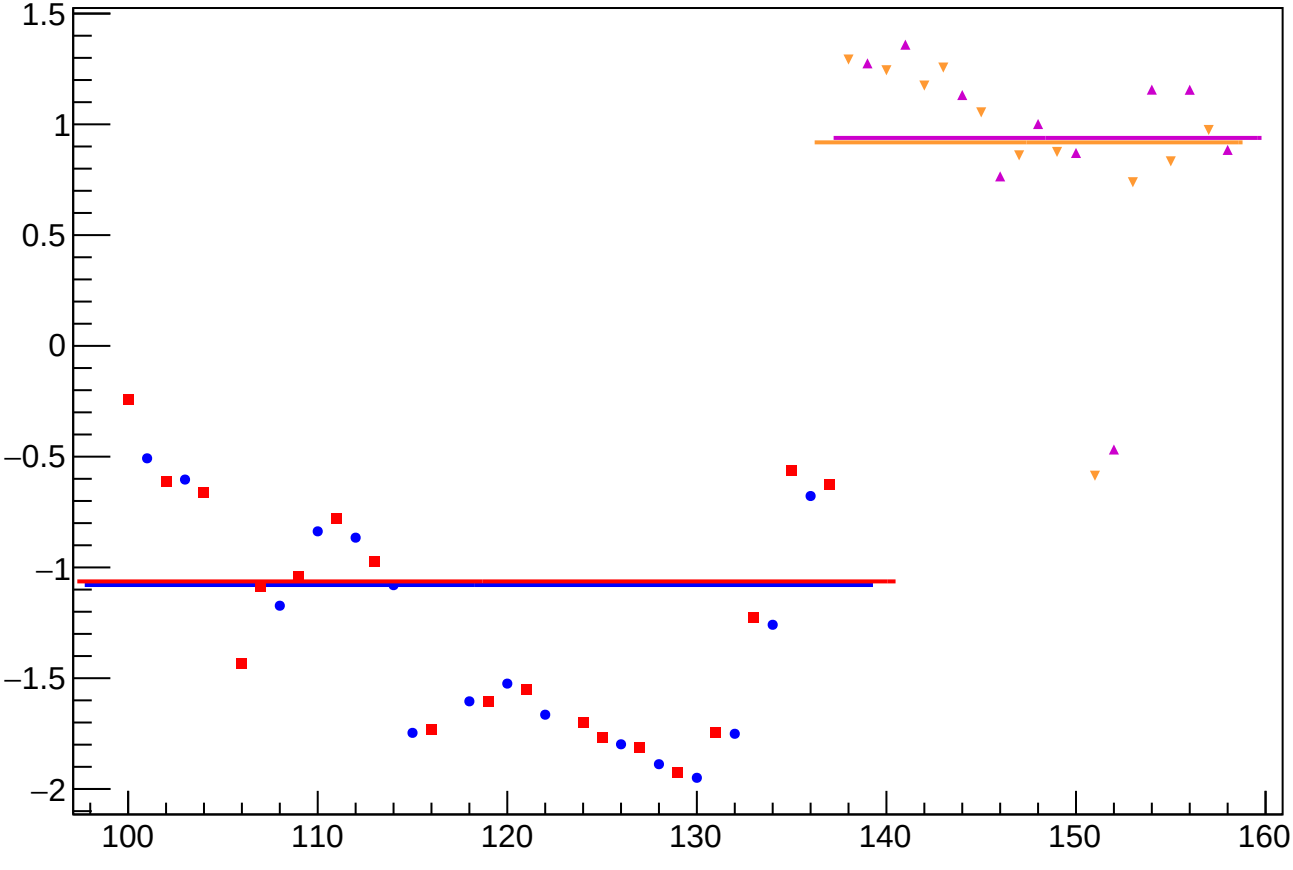
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.013+/-0.000 χ^2/NDF:1619063.2/25

Out: 0.013+/-0.000 χ^2/NDF:1372928.5/29

All: 0.013+/-0.000 χ^2/NDF: 2993882.3/55

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.919+/-0.000 χ^2/NDF:98734920446.6/10

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 0.939+/-0.000 χ^2/NDF:111247627870.8/9

Left: 0.929+/-0.000 χ^2/NDF: 210095458036.6/20

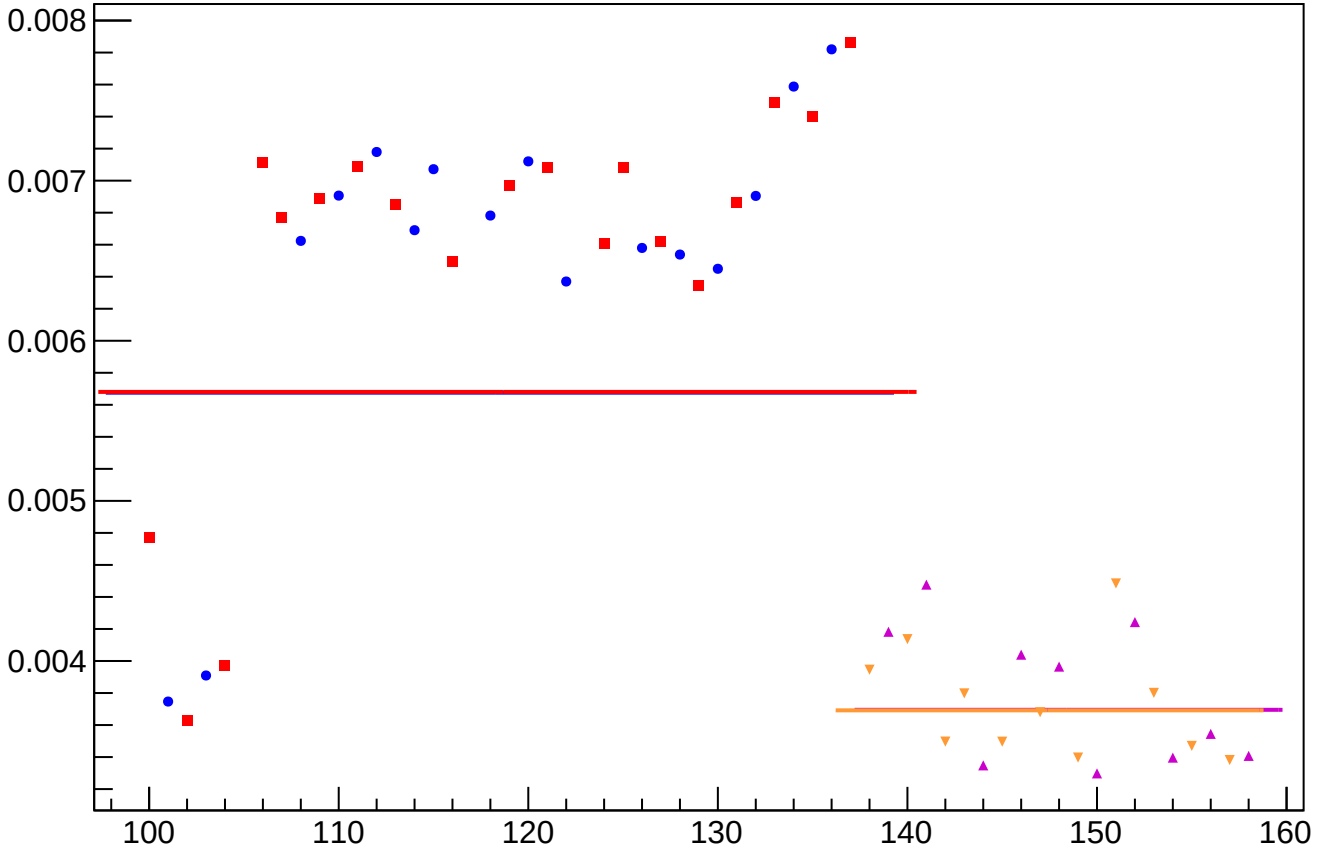
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.411+/-0.000 χ^2/NDF:765461400314.6/25

Out: 0.400+/-0.000 χ^2/NDF:727924566422.3/29

All: 0.405+/-0.000 χ^2/NDF: 1493435047394.

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:105420.6/10

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:182059.5/9

Left: 0.004+/-0.000 χ^2/NDF: 287486.3/20

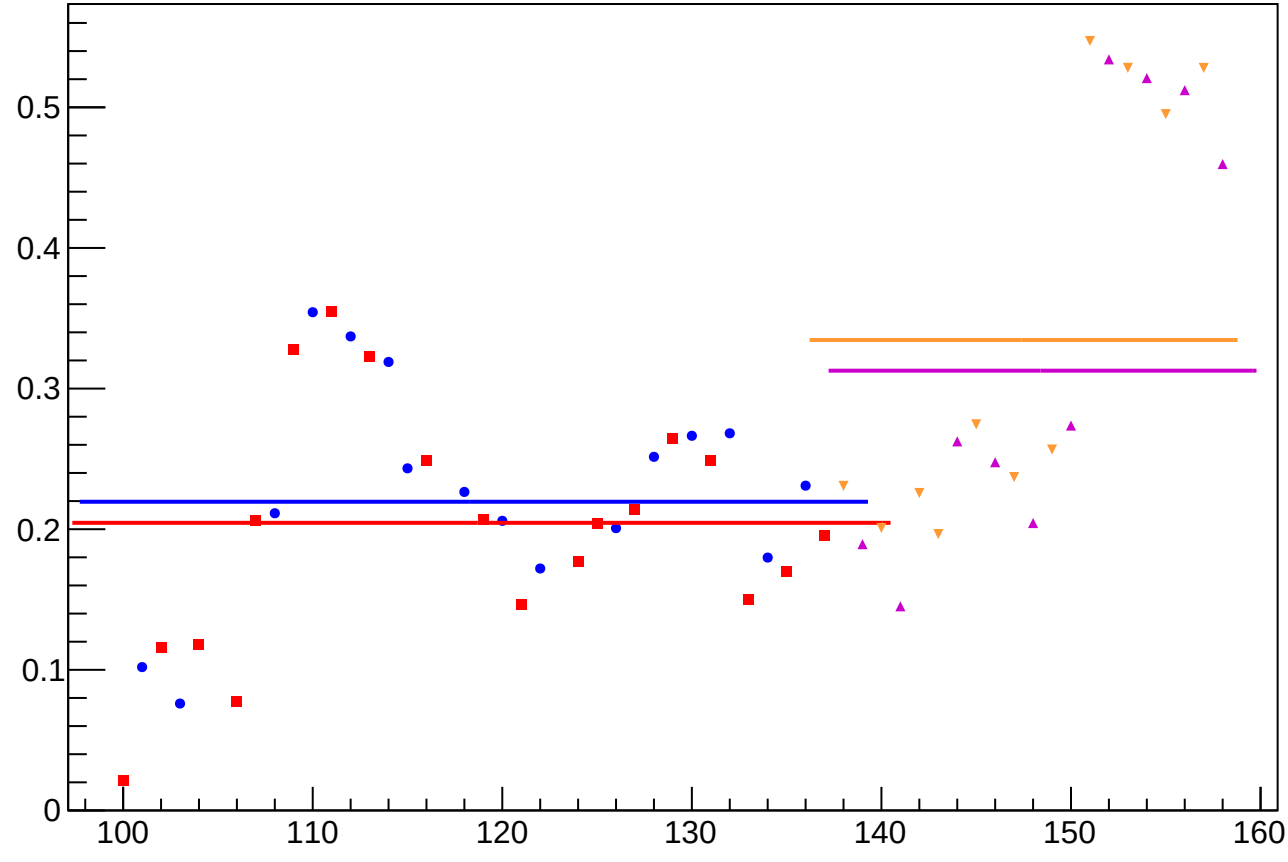
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2272391.9/25

Out: 0.004+/-0.000 χ^2/NDF:2252838.3/29

All: 0.004+/-0.000 χ^2/NDF: 4525230.3/55

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.335+/-0.000 χ^2/NDF:83614898518.3/10

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.313+/-0.000 χ^2/NDF:71896992045.5/9

Left: 0.324+/-0.000 χ^2/NDF: 156433564548.4/20

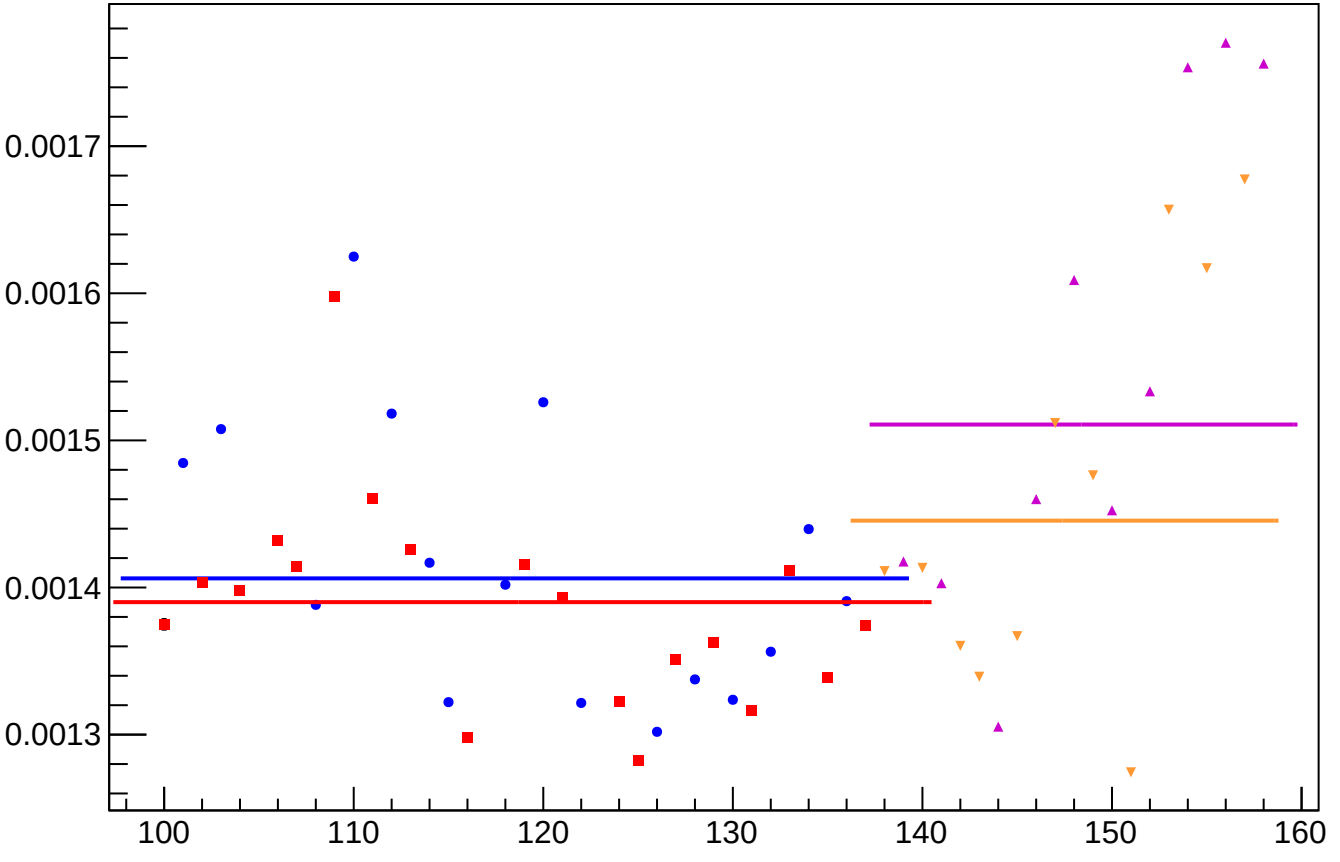
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.267+/-0.000 χ^2/NDF:104251692257.3/25

Out: 0.272+/-0.000 χ^2/NDF:139112125050.8/29

All: 0.270+/-0.000 χ^2/NDF: 243440167257.6

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:130739.1/10

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:174291.1/9

Left: 0.001+/-0.000 χ^2/NDF: 321548.0/20

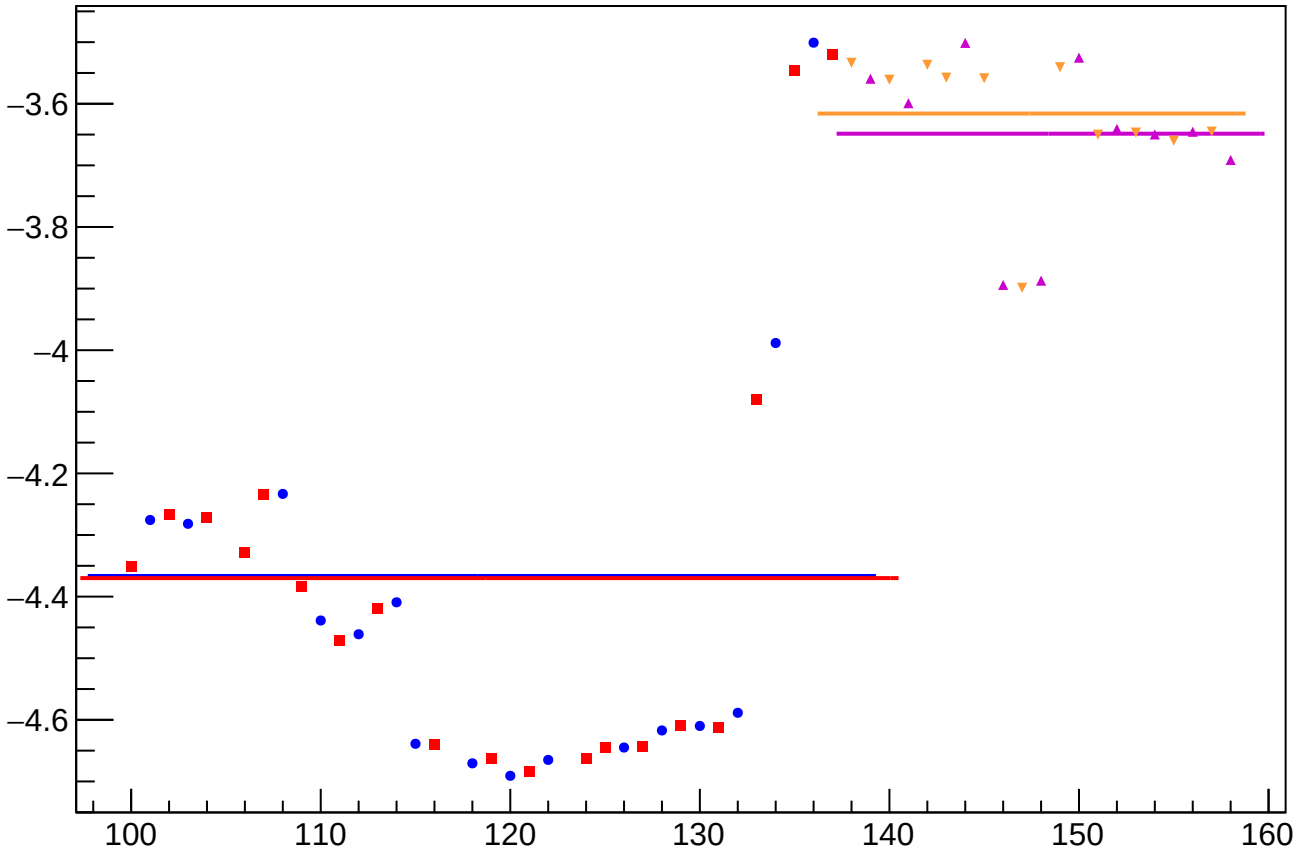
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:261831.7/25

Out: 0.001+/-0.000 χ^2/NDF:177571.2/29

All: 0.001+/-0.000 χ^2/NDF: 452094.8/55

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.616+/-0.000 χ^2/NDF:20021265533.4/10

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.649+/-0.000 χ^2/NDF:32902219724.8/9

Left: -3.632+/-0.000 χ^2/NDF: 54236935552.8/20

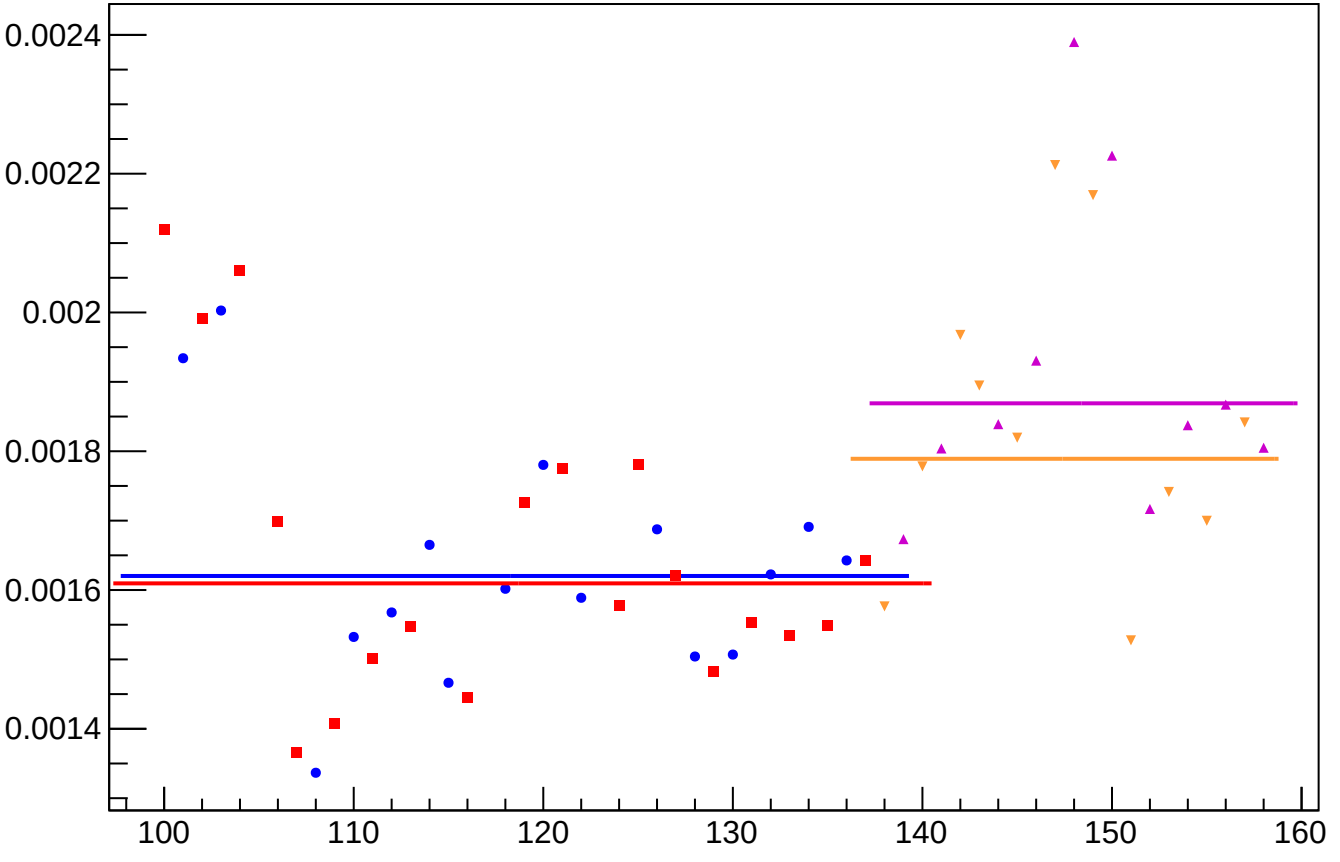
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.026+/-0.000 χ^2/NDF:1026874110511.3/25

Out: -4.006+/-0.000 χ^2/NDF:1069301506277.2/29

All: -4.016+/-0.000 χ^2/NDF: 209711547433

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:200438.9/10

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:162787.1/9

Left: 0.002+/-0.000 χ^2/NDF: 378935.9/20

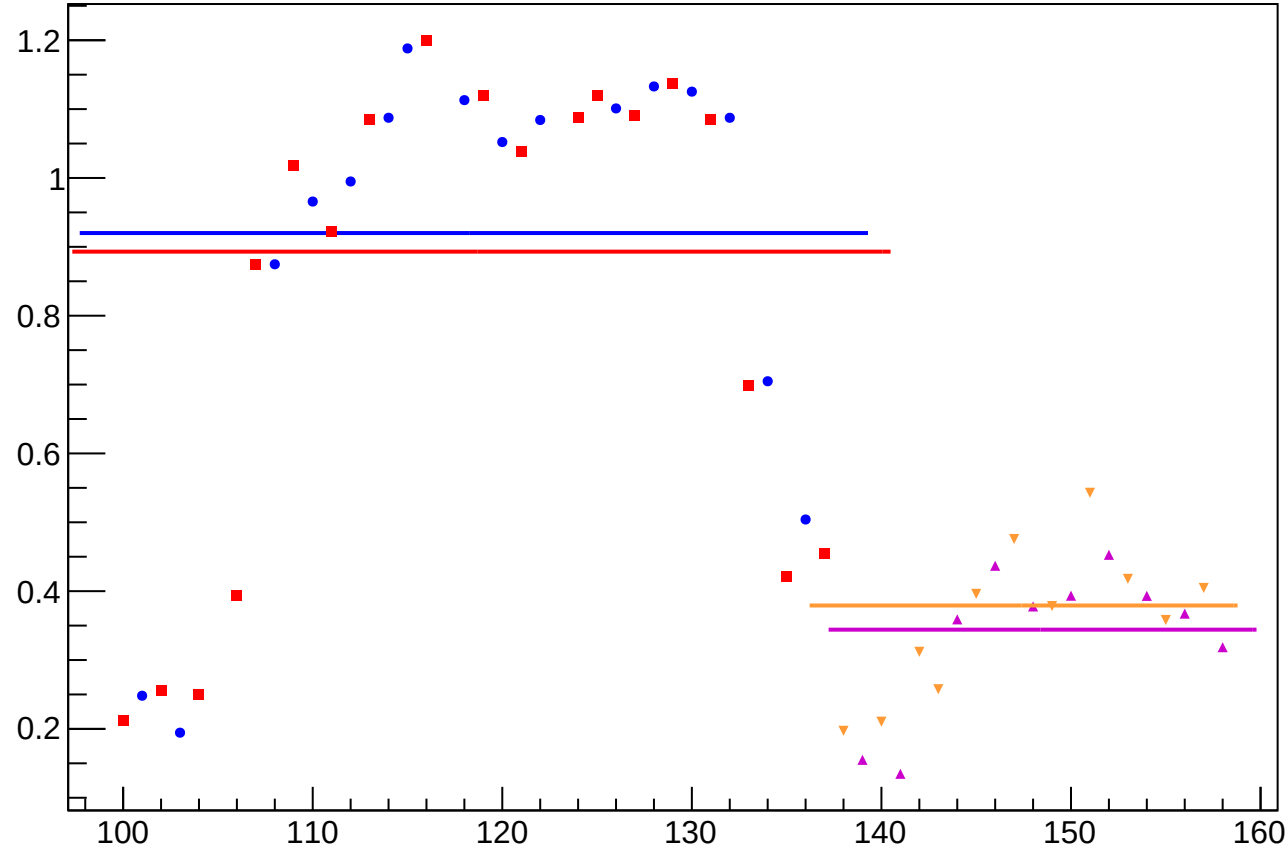
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:456968.6/25

Out: 0.002+/-0.000 χ^2/NDF:470808.8/29

All: 0.002+/-0.000 χ^2/NDF: 936963.5/55

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.379+/-0.000 χ^2/NDF:1635704708.8/10

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.344+/-0.000 χ^2/NDF:1355163885.9/9

Left: 0.362+/-0.000 χ^2/NDF: 3076401696.8/20

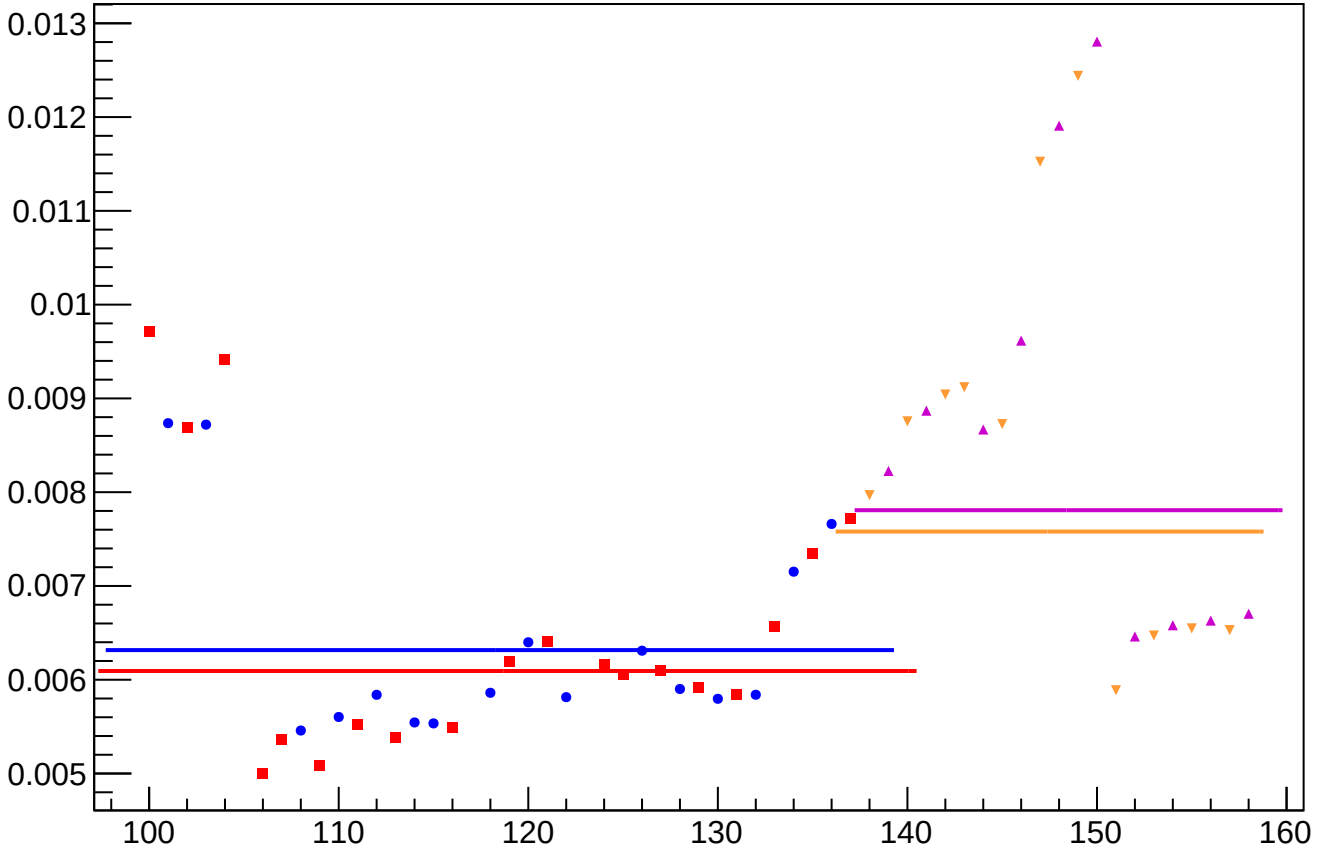
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.670+/-0.000 χ^2/NDF:41281655084.2/25

Out: 0.676+/-0.000 χ^2/NDF:41030195409.1/29

All: 0.673+/-0.000 χ^2/NDF: 82319441830.4/5

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:846649.7/10

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:813464.9/9

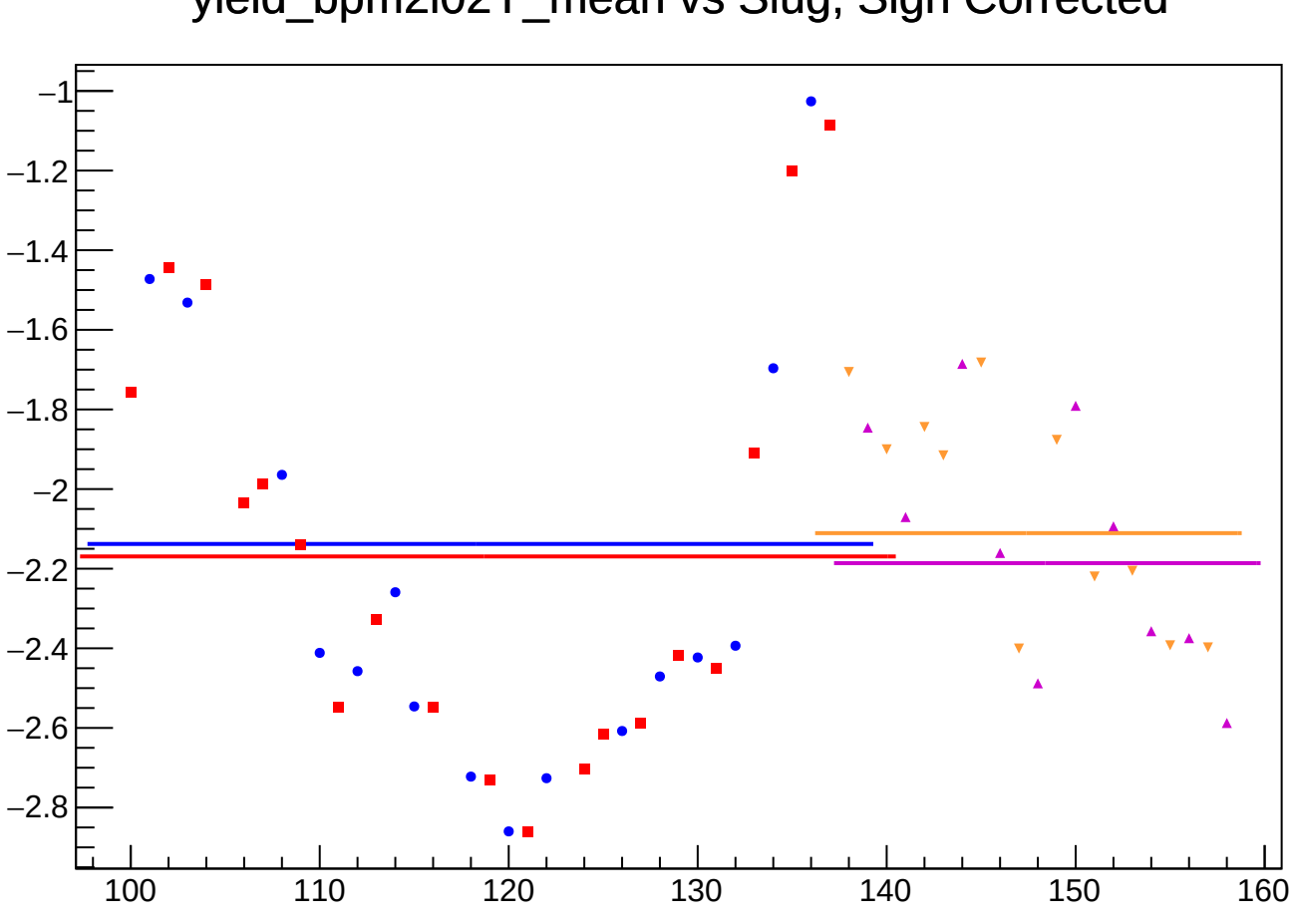
Left: 0.008+/-0.000 χ^2/NDF: 1667316.5/20

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

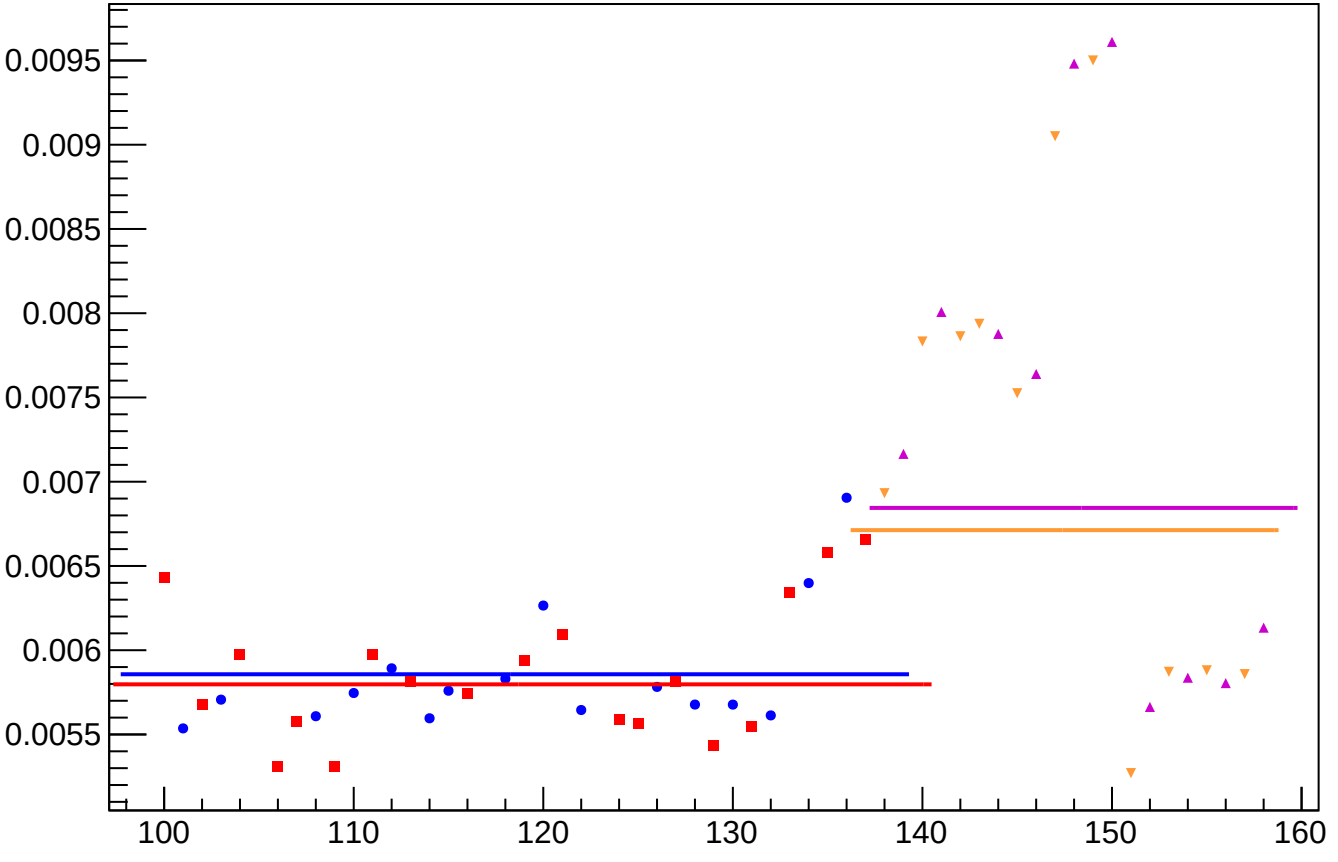
In: 0.007+/-0.000 χ^2/NDF:1489476.6/25

Out: 0.007+/-0.000 χ^2/NDF:1646894.2/29

All: 0.007+/-0.000 χ^2/NDF: 3155779.8/55


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
110
120
130
140
150
160
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.111+/-0.000 χ²/NDF:12695154615.0/10
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.186+/-0.000 χ²/NDF:13700414153.3/9
Left: -2.148+/-0.000 χ²/NDF: 26912956305.5/20
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.160+/-0.000 χ²/NDF:79591043689.7/25
Out: -2.143+/-0.000 χ²/NDF:70450927994.6/29
All: -2.151+/-0.000 χ²/NDF: 150102757046.9

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:592765.5/10

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:571329.7/9

Left: 0.007+/-0.000 χ^2/NDF: 1167268.6/20

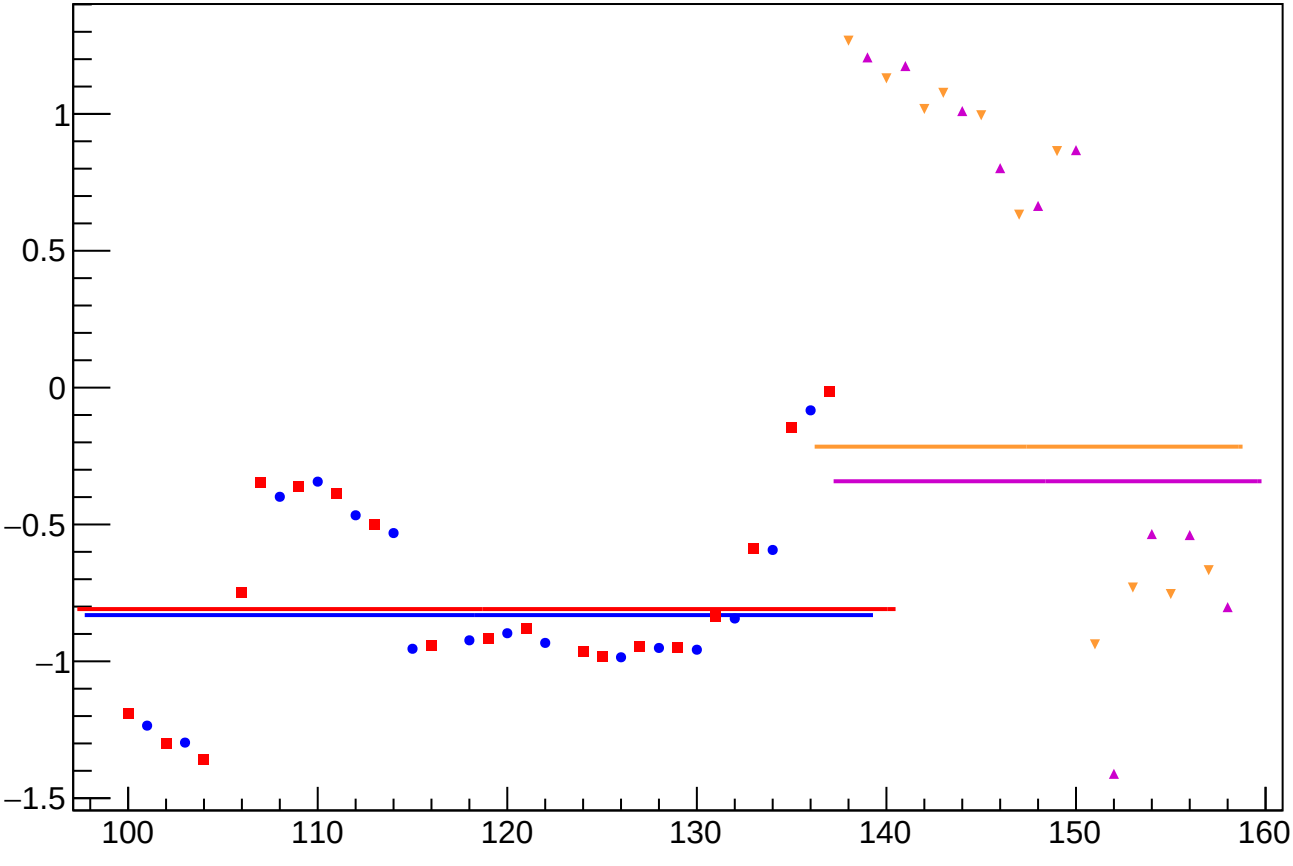
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:821656.2/25

Out: 0.006+/-0.000 χ^2/NDF:818303.8/29

All: 0.006+/-0.000 χ^2/NDF: 1643812.9/55

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.216+/-0.000 χ^2/NDF:71919579691.0/10

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.342+/-0.000 χ^2/NDF:86806991375.4/9

Left: -0.281+/-0.000 χ^2/NDF: 159569294527.8/20

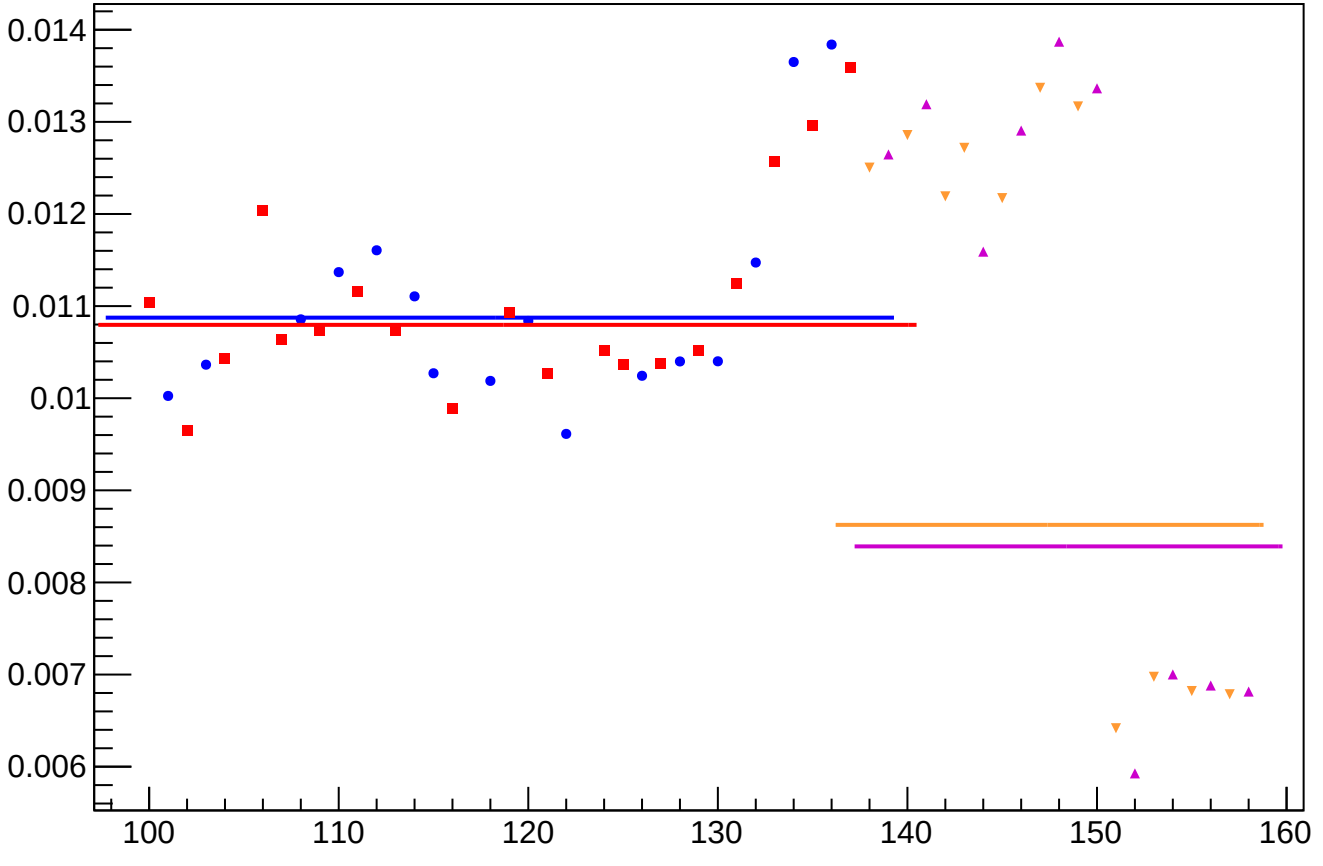
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.516+/-0.000 χ^2/NDF:103100257164.3/25

Out: -0.439+/-0.000 χ^2/NDF:93681265420.5/29

All: -0.478+/-0.000 χ^2/NDF: 197267028820.5

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:1602153.6/10

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1789011.7/9

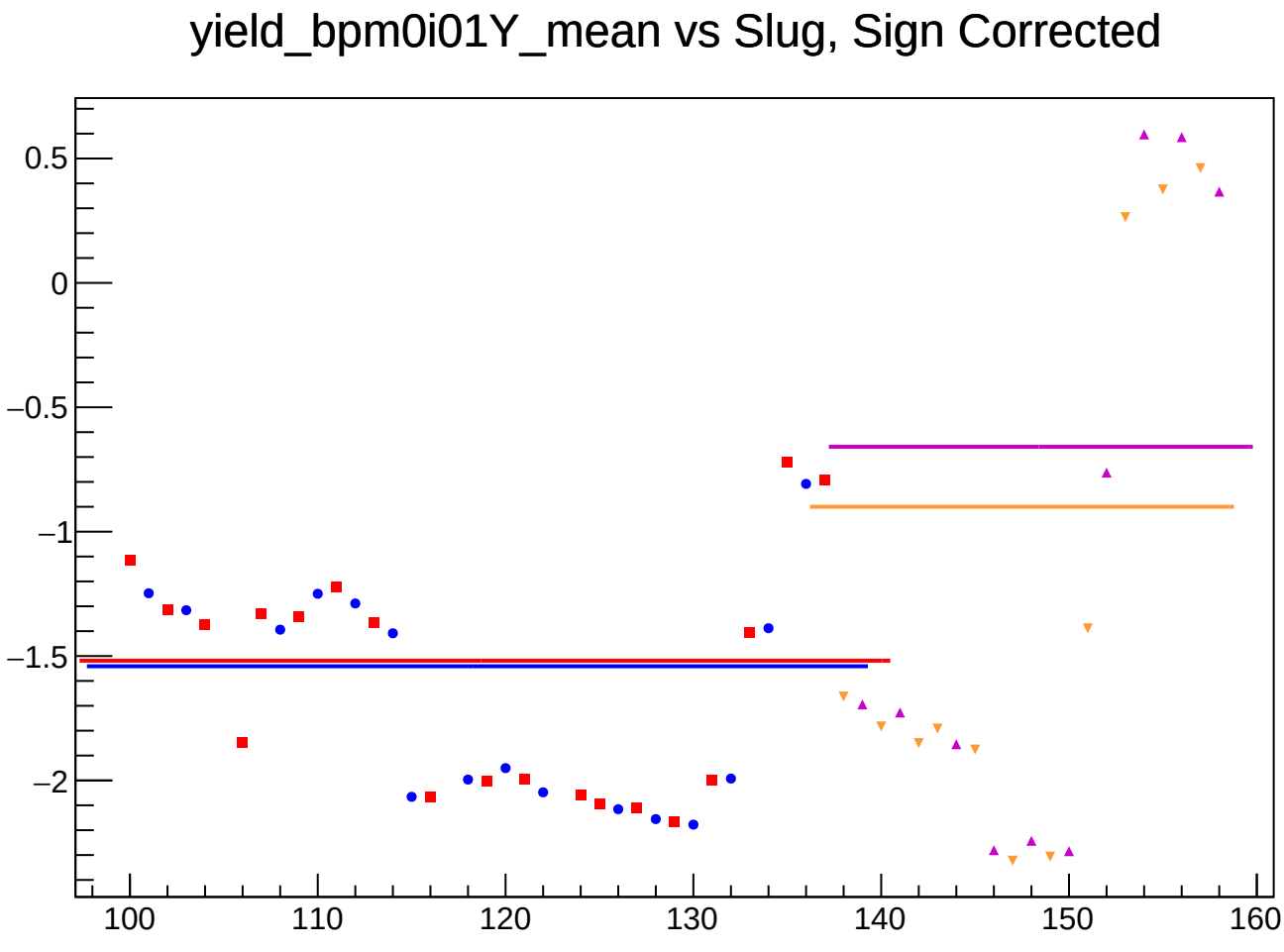
Left: 0.009+/-0.000 χ^2/NDF: 3396921.3/20

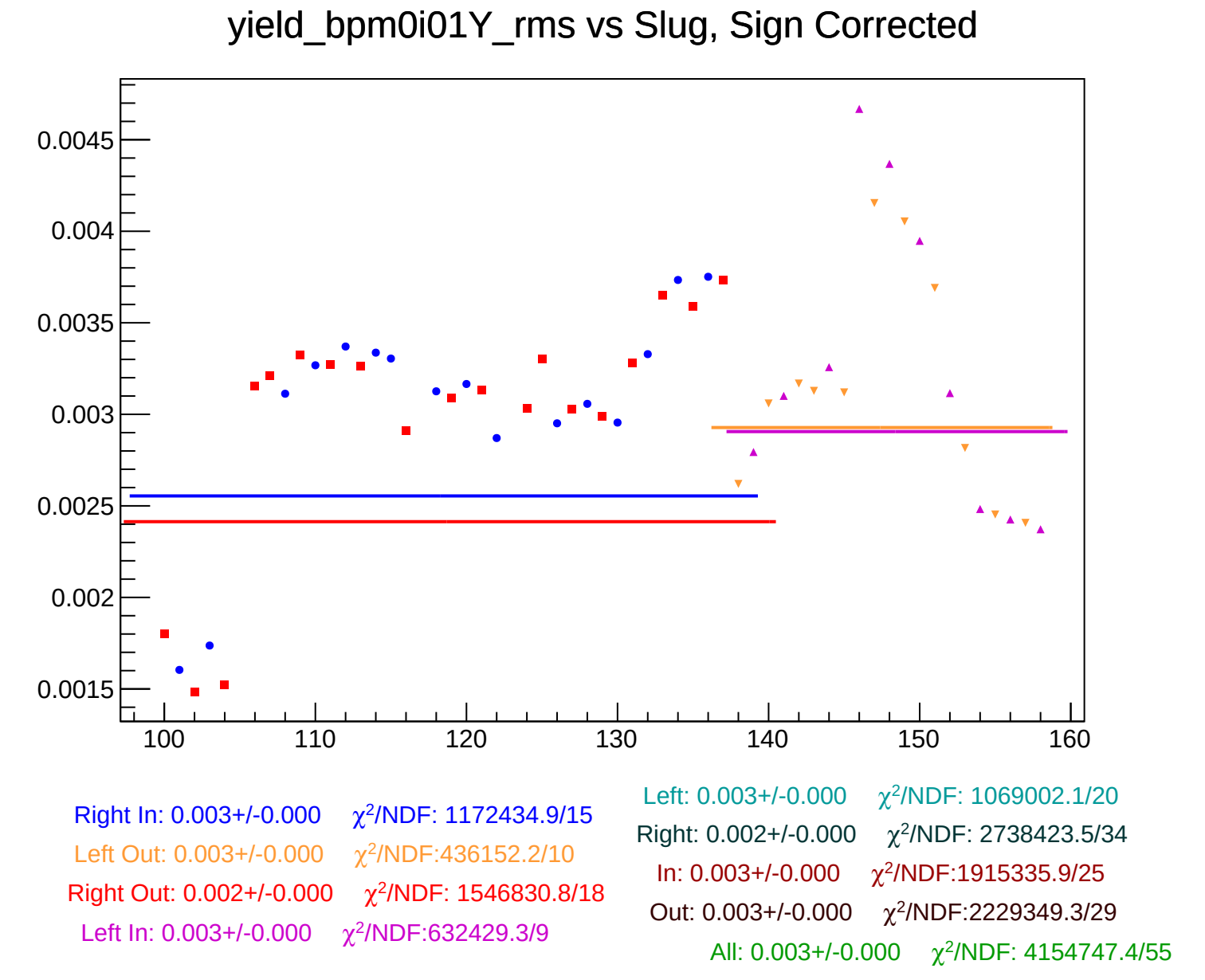
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

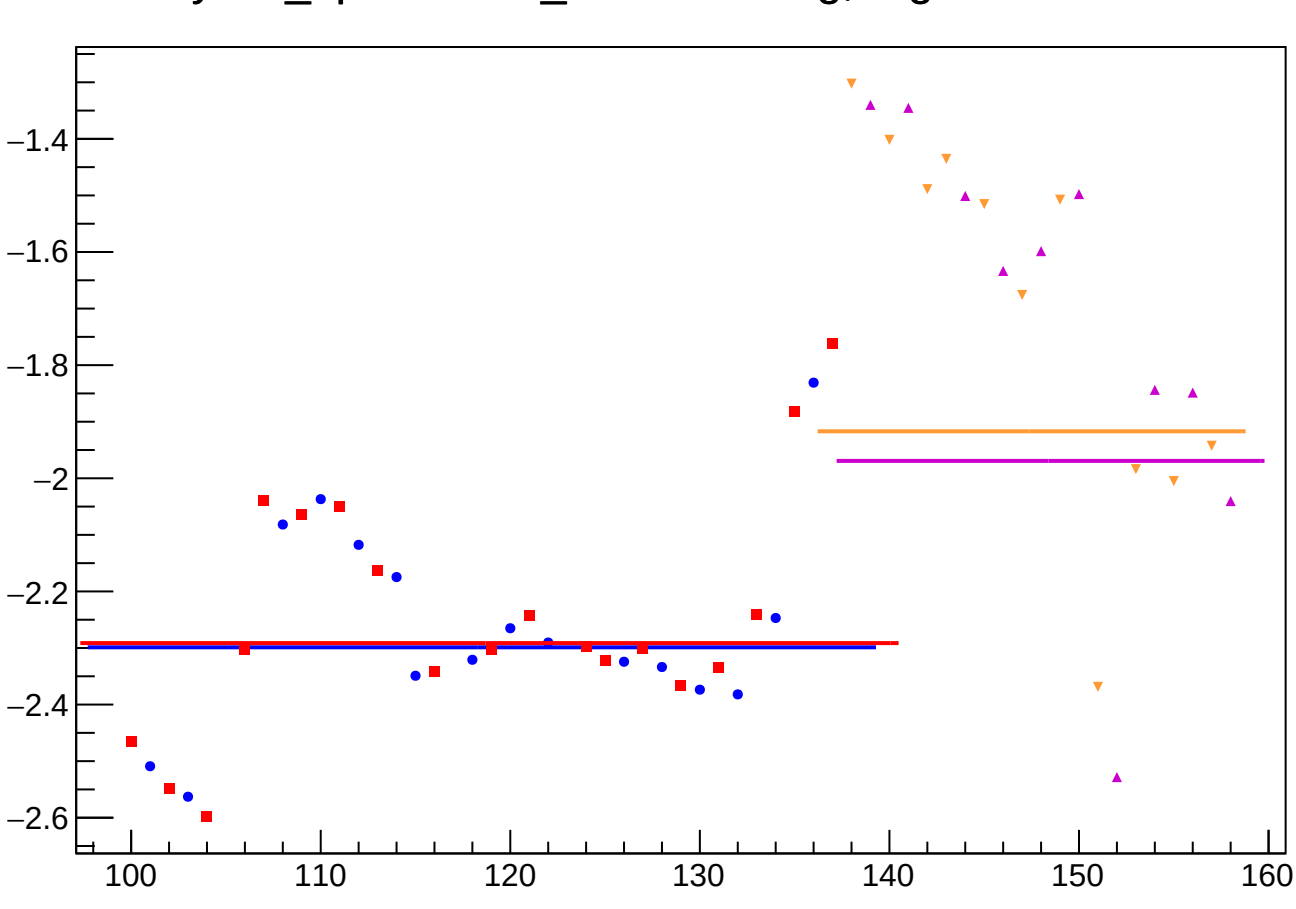
In: 0.009+/-0.000 χ^2/NDF:2420167.5/25

Out: 0.009+/-0.000 χ^2/NDF:2065789.7/29

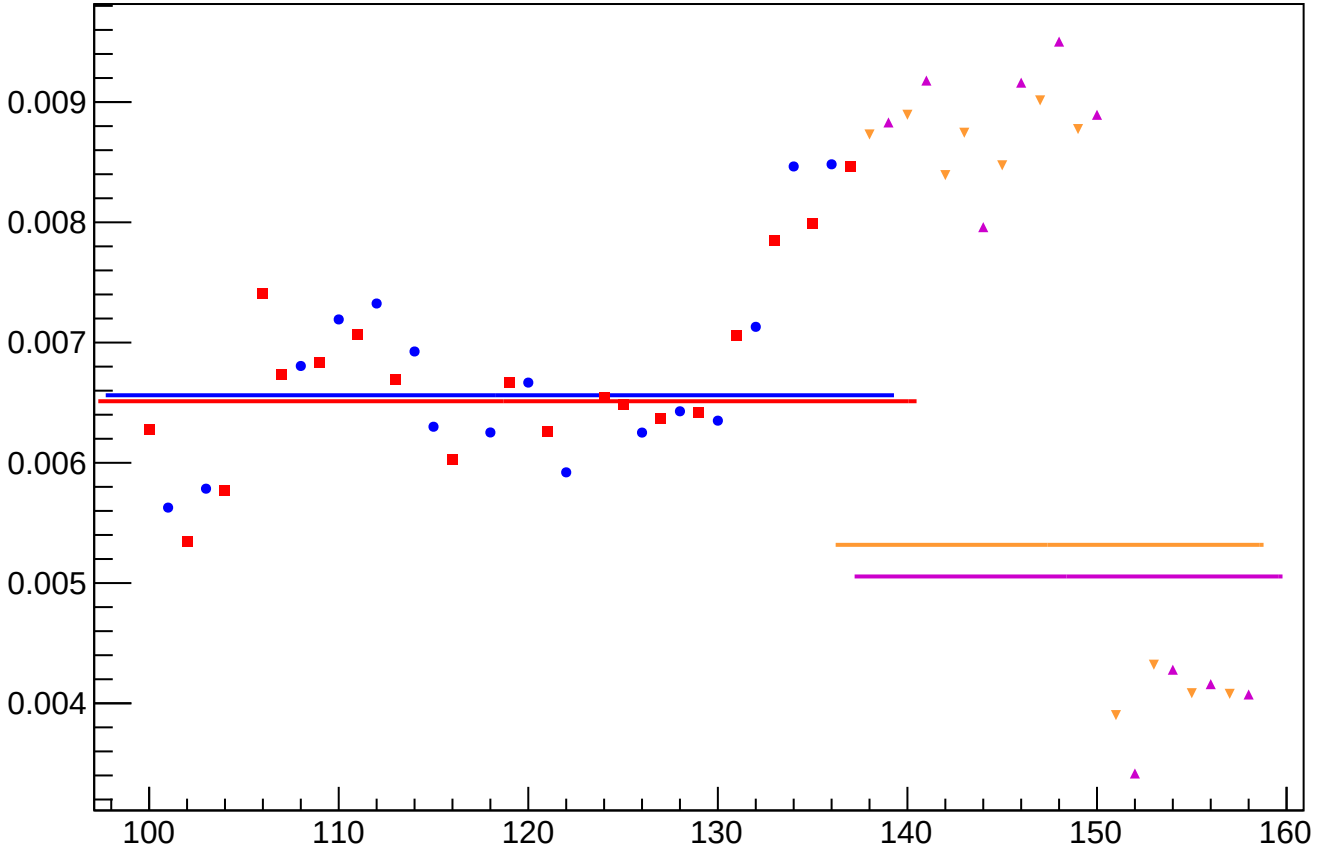
All: 0.009+/-0.000 χ^2/NDF: 4490790.3/55


yield_bpm0i01Y_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -1.541+/-0.000 χ²/NDF: 162409397922.2/15
Left Out: -0.900+/-0.000 χ²/NDF:1041002640521.7/10
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -0.659+/-0.000 χ²/NDF:1154374031813.5/9
Left: -0.779+/-0.000 χ²/NDF: 2220447794590.1/20
Right: -1.529+/-0.000 χ²/NDF: 307732116783.0/34
In: -1.116+/-0.000 χ²/NDF:1664716329150.0/25
Out: -1.235+/-0.000 χ²/NDF:1364348237455.0/29
All: -1.177+/-0.000 χ²/NDF: 3041988875774


yield_bpm0i01Y_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 1172434.9/15
Left Out: 0.003+/-0.000 χ²/NDF:436152.2/10
Right Out: 0.002+/-0.000 χ²/NDF: 1546830.8/18
Left In: 0.003+/-0.000 χ²/NDF:632429.3/9
Left: 0.003+/-0.000 χ²/NDF: 1069002.1/20
Right: 0.002+/-0.000 χ²/NDF: 2738423.5/34
In: 0.003+/-0.000 χ²/NDF:1915335.9/25
Out: 0.003+/-0.000 χ²/NDF:2229349.3/29
All: 0.003+/-0.000 χ²/NDF: 4154747.4/55


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.917+/-0.000 χ²/NDF:24461673779.9/10
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.969+/-0.000 χ²/NDF:39404741038.5/9
Left: -1.944+/-0.000 χ²/NDF: 64230253915.8/20
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.090+/-0.000 χ²/NDF:56593562894.1/25
Out: -2.065+/-0.000 χ²/NDF:45454781006.3/29
All: -2.078+/-0.000 χ²/NDF: 102178588947.2

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2149008.9/10

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2475481.6/9

Left: 0.005+/-0.000 χ^2/NDF: 4642895.4/20

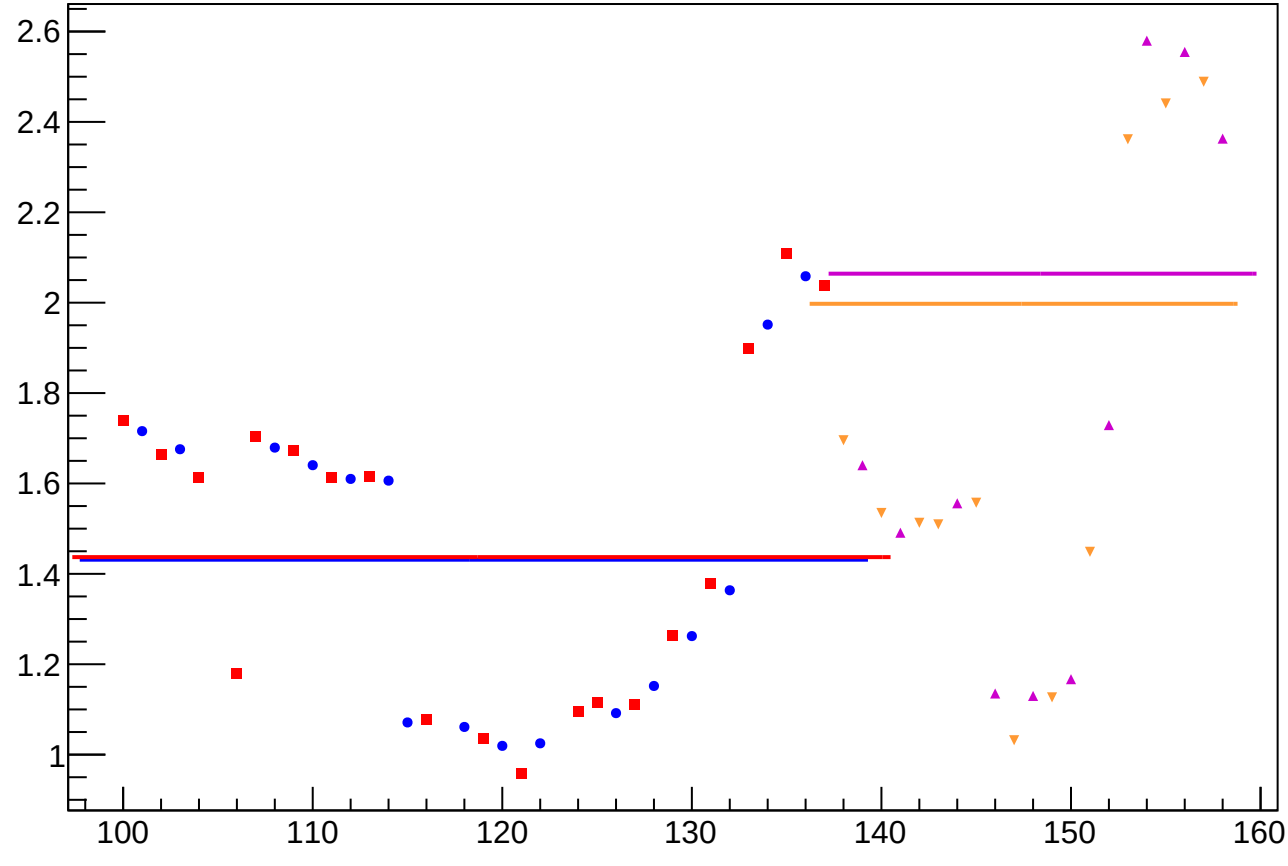
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.006+/-0.000 χ^2/NDF:3160014.4/25

Out: 0.006+/-0.000 χ^2/NDF:2622174.0/29

All: 0.006+/-0.000 χ^2/NDF: 5796828.0/55

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.998+/-0.000 χ^2/NDF:115159842926.0/10

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.064+/-0.000 χ^2/NDF:123484636167.7/9

Left: 2.031+/-0.000 χ^2/NDF: 239737453957.8/20

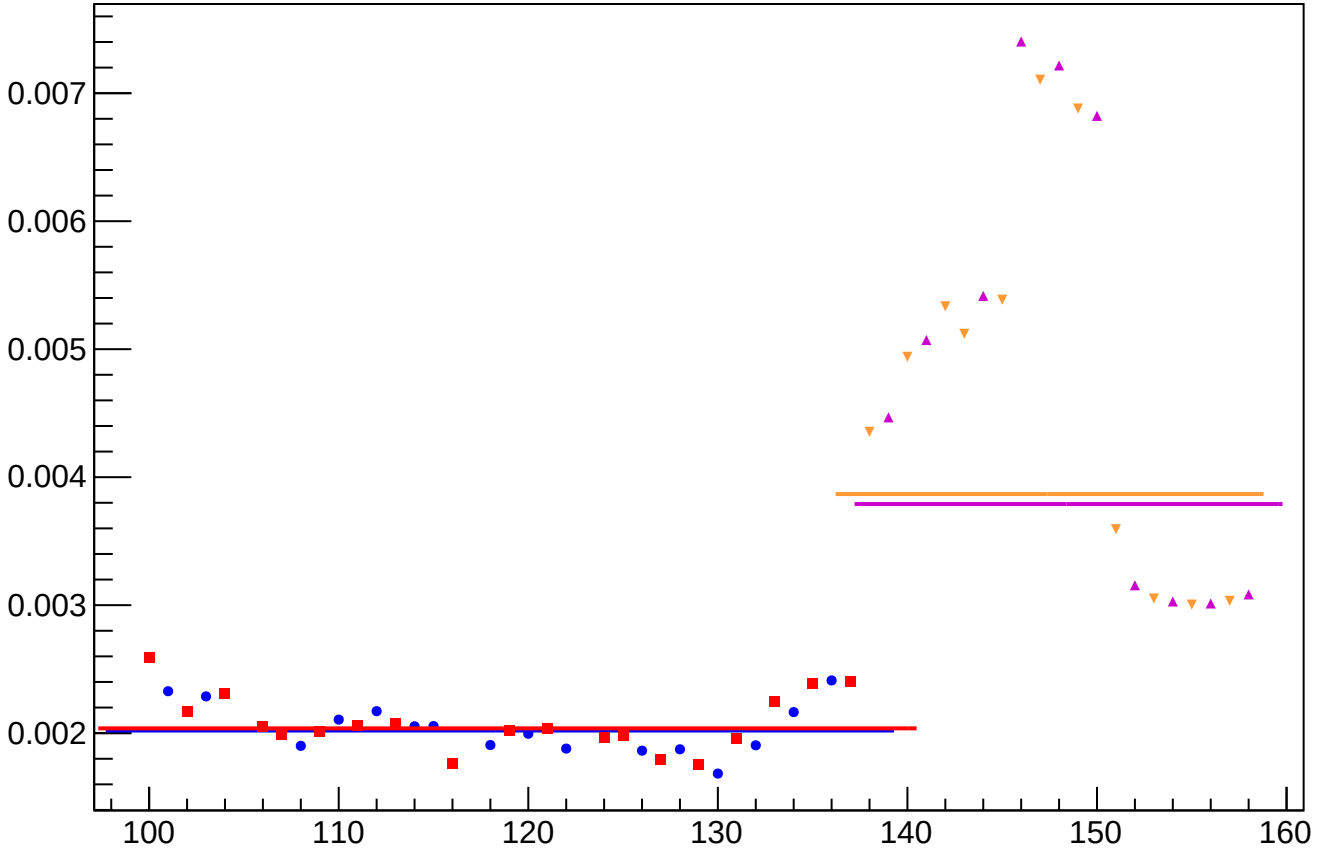
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.580+/-0.000 χ^2/NDF:465402573421.3/25

Out: 1.566+/-0.000 χ^2/NDF:414880109541.7/29

All: 1.573+/-0.000 χ^2/NDF: 880492327231.2

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:1270155.0/10

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1580224.3/9

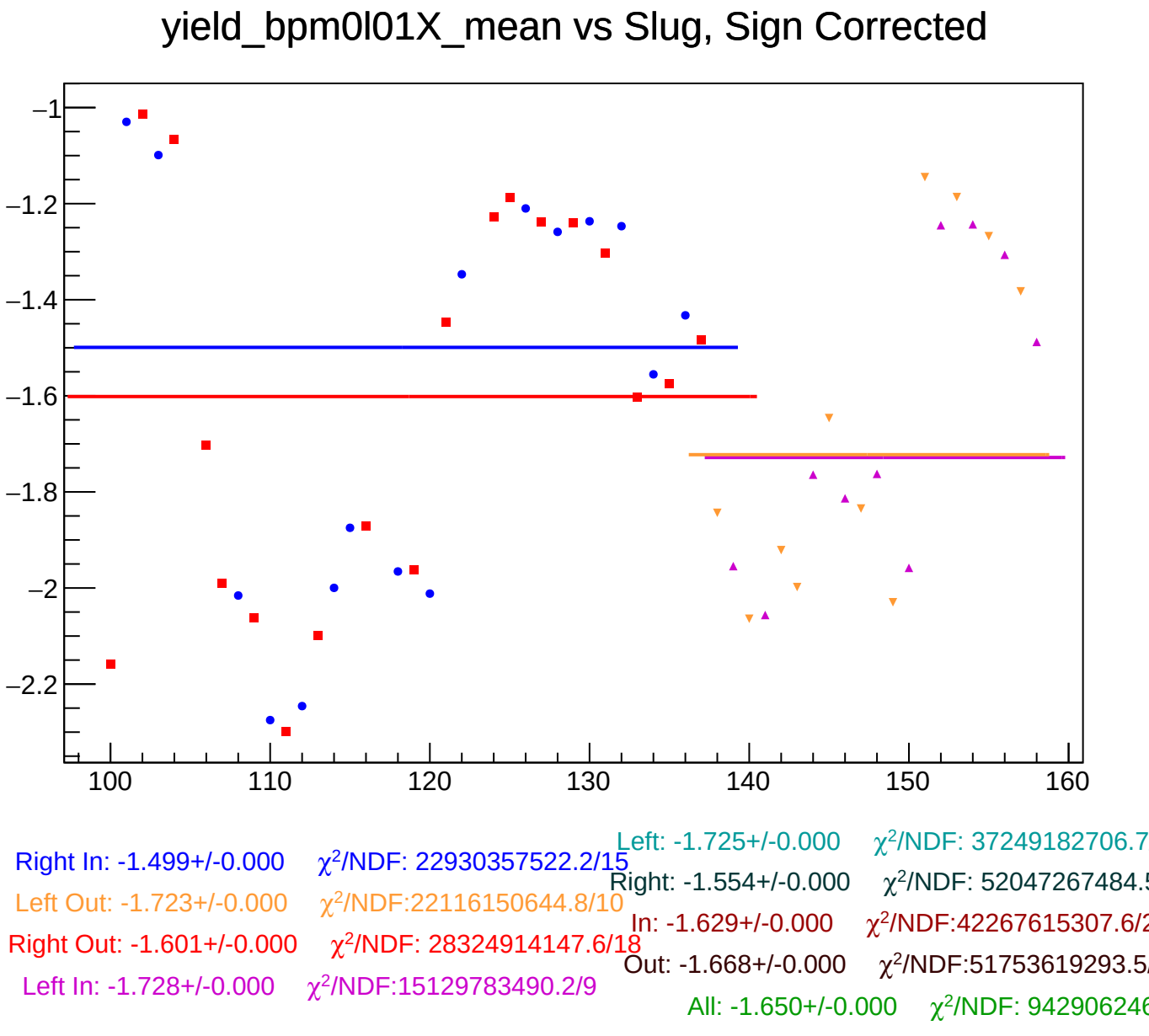
Left: 0.004+/-0.000 χ^2/NDF: 2853380.3/20

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

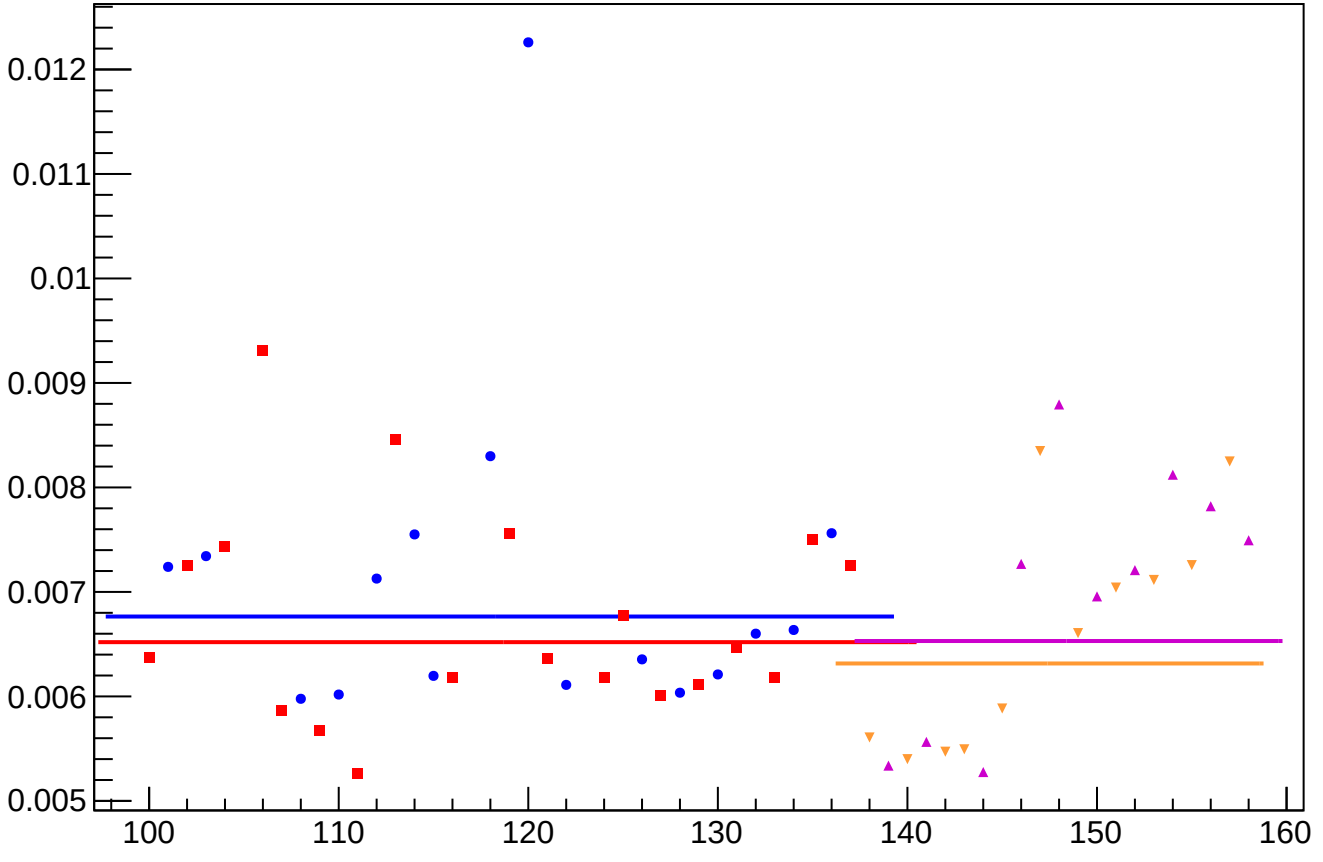
In: 0.002+/-0.000 χ^2/NDF:4123096.8/25

Out: 0.002+/-0.000 χ^2/NDF:3894556.5/29

All: 0.002+/-0.000 χ^2/NDF: 8018696.2/55


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.723+/-0.000 χ²/NDF:22116150644.8/10
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.728+/-0.000 χ²/NDF:15129783490.2/9
Left: -1.725+/-0.000 χ²/NDF: 37249182706.7/20
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.629+/-0.000 χ²/NDF:42267615307.6/25
Out: -1.668+/-0.000 χ²/NDF:51753619293.5/29
All: -1.650+/-0.000 χ²/NDF: 94290624660.6/

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:370950.3/10

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:497846.5/9

Left: 0.006+/-0.000 χ^2/NDF: 877656.7/20

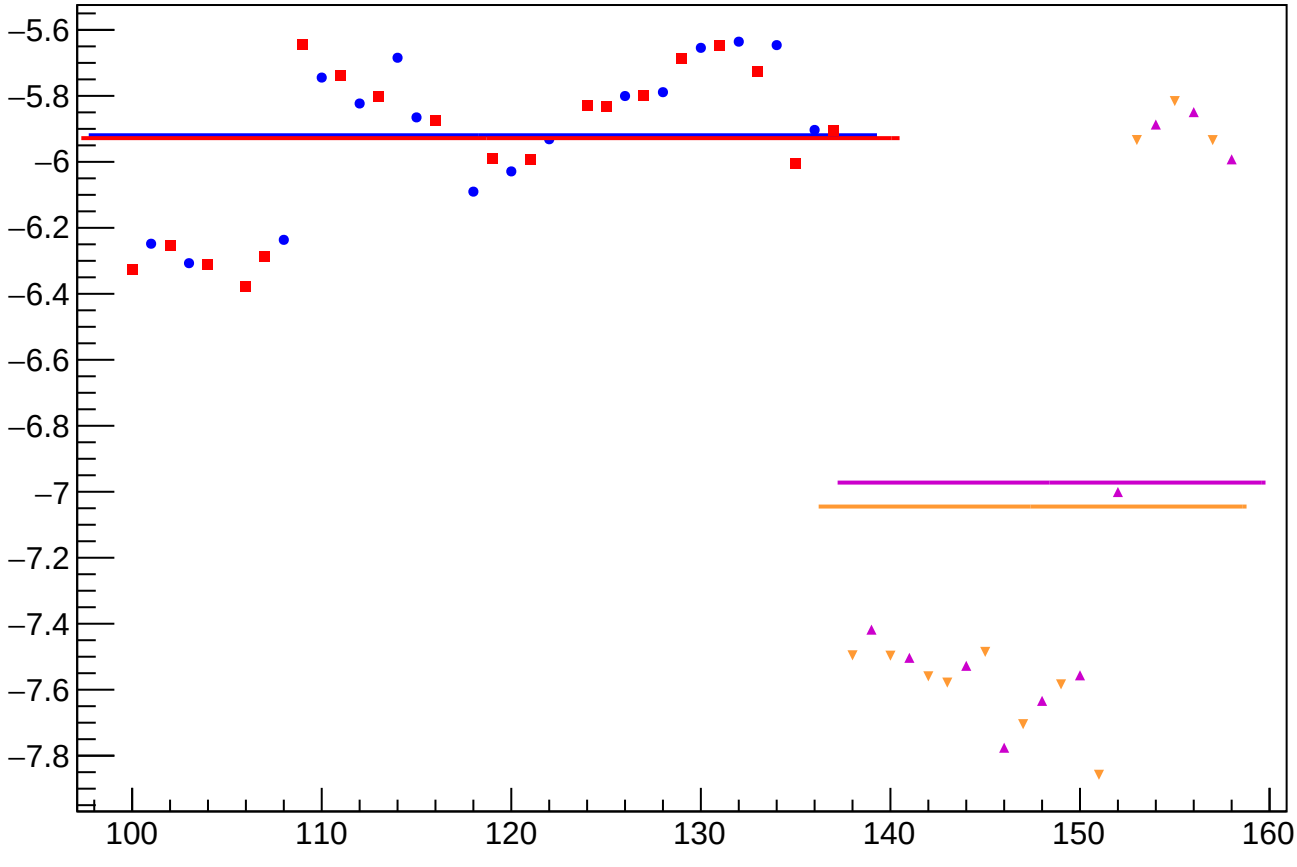
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:745216.9/25

Out: 0.006+/-0.000 χ^2/NDF:623842.9/29

All: 0.007+/-0.000 χ^2/NDF: 1386502.1/55

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.045+/-0.000 χ^2/NDF:47929206682.2/10

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.972+/-0.000 χ^2/NDF:39419316443.4/9

Left: -7.009+/-0.000 χ^2/NDF: 87537423006.8/20

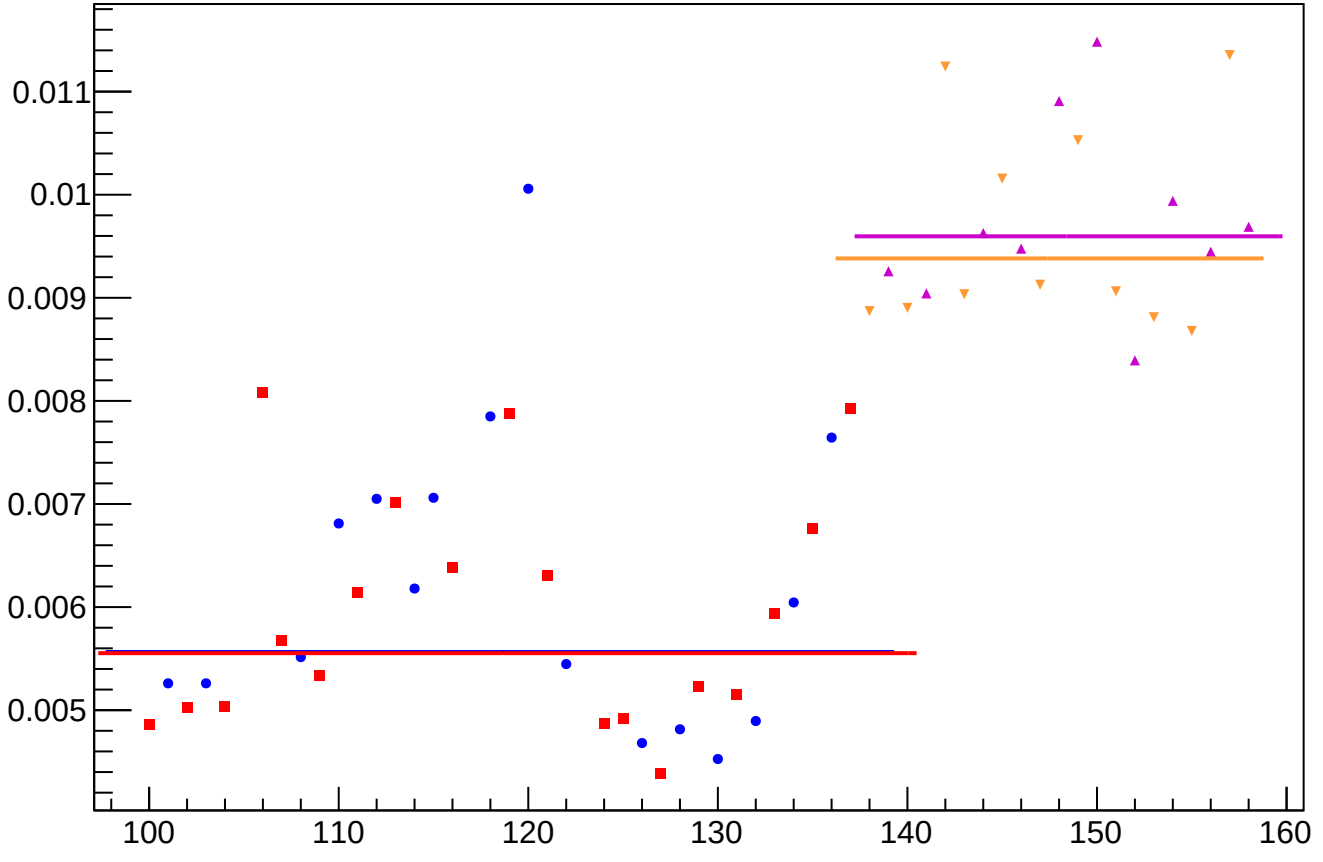
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.197+/-0.000 χ^2/NDF:109011894325.3/25

Out: -6.214+/-0.000 χ^2/NDF:127769318593.8/29

All: -6.205+/-0.000 χ^2/NDF: 236821365832.8

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:103995.2/10

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:91882.2/9

Left: 0.009+/-0.000 χ^2/NDF: 199168.1/20

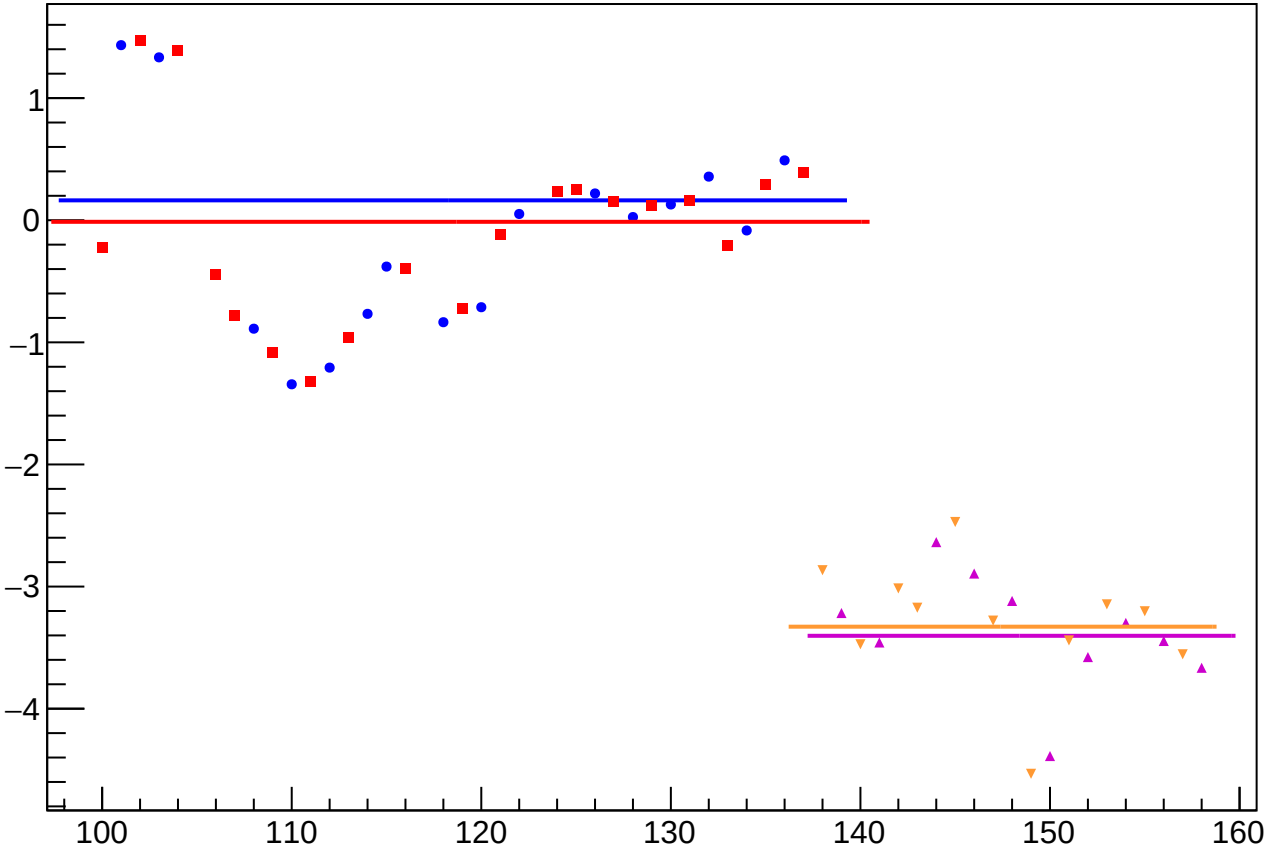
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2284456.6/25

Out: 0.007+/-0.000 χ^2/NDF:2048473.4/29

All: 0.007+/-0.000 χ^2/NDF: 4335355.7/55

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.328+/-0.000 χ^2/NDF:6486681298.7/10

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.403+/-0.000 χ^2/NDF:5005821992.3/9

Left: -3.365+/-0.000 χ^2/NDF: 11563415660.2/20

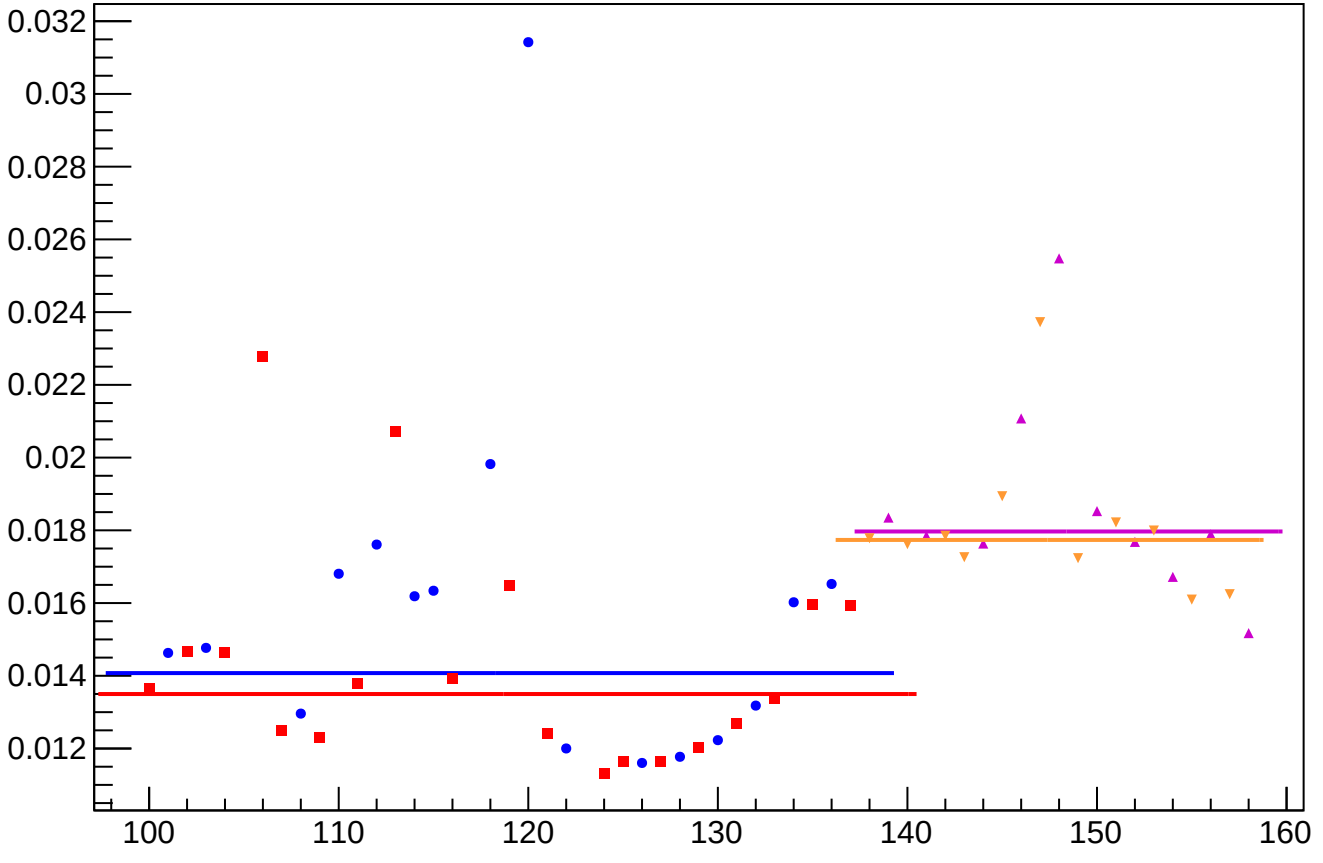
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.409+/-0.000 χ^2/NDF:201366992003.5/25

Out: -1.372+/-0.000 χ^2/NDF:196459340242.9/29

All: -1.389+/-0.000 χ^2/NDF: 397868275992.

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:135819.8/10

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:236392.8/9

Left: 0.018+/-0.000 χ^2/NDF: 373588.0/20

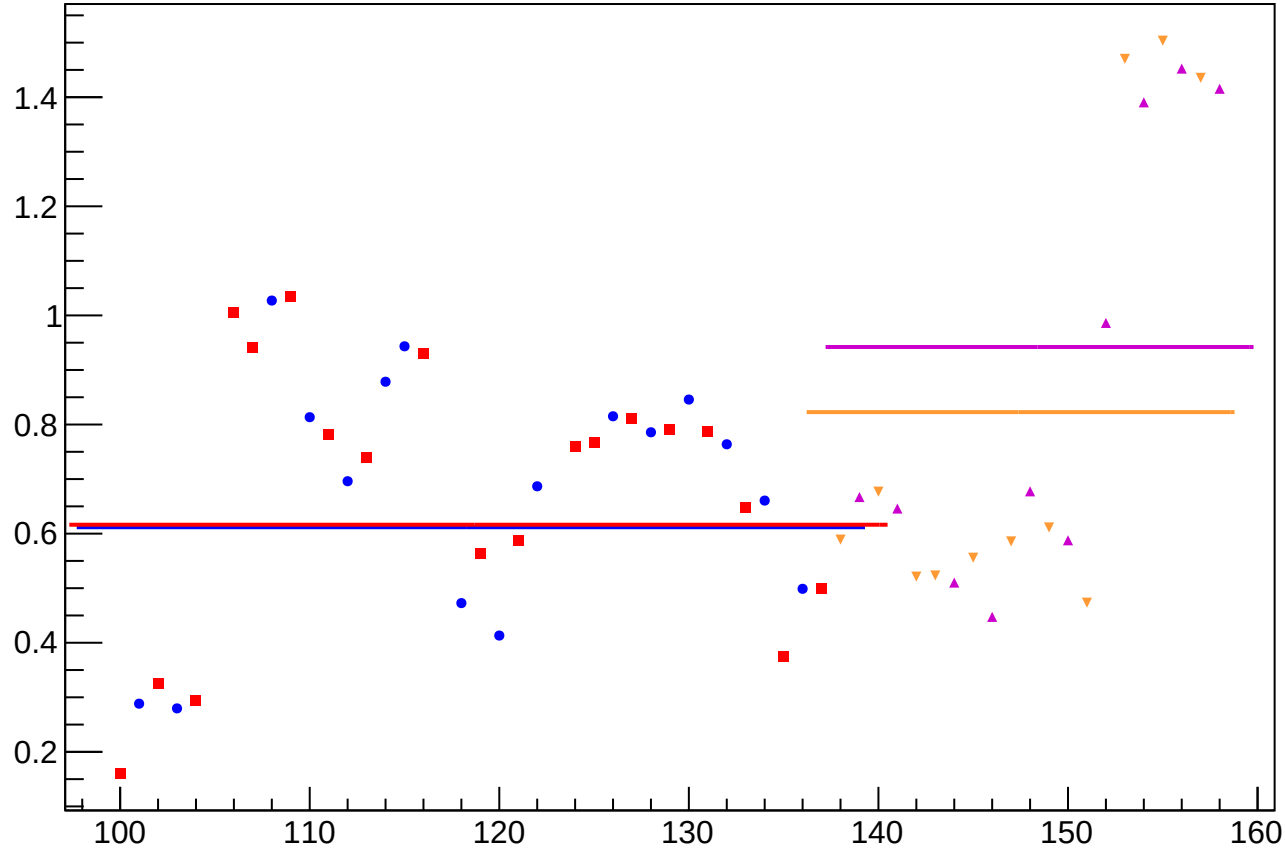
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1127358.2/25

Out: 0.015+/-0.000 χ^2/NDF:997758.0/29

All: 0.015+/-0.000 χ^2/NDF: 2143592.7/55

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.823+/-0.000 χ^2/NDF:16411858694.8/10

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.942+/-0.000 χ^2/NDF:17588959181.6/9

Left: 0.887+/-0.000 χ^2/NDF: 34770566027.1/20

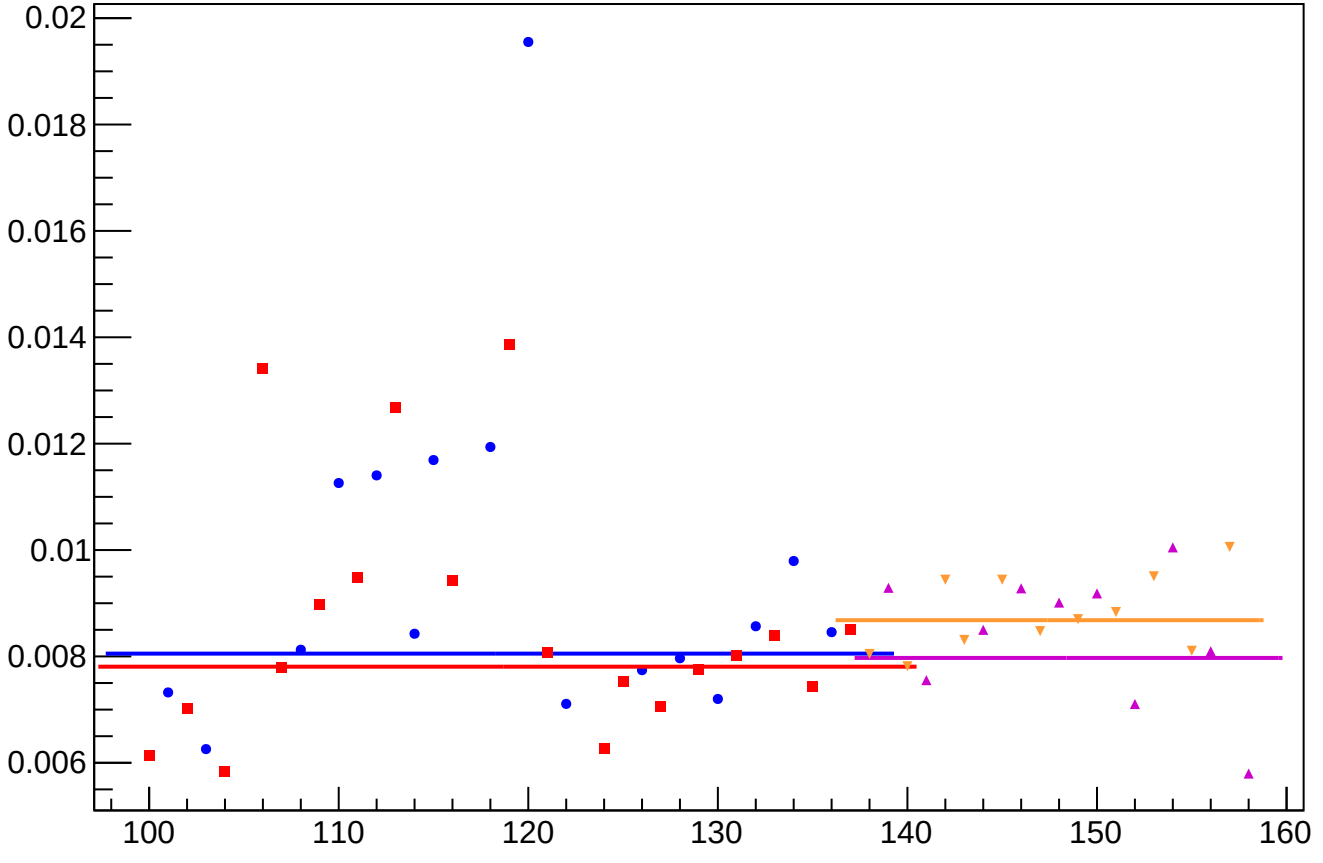
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.795+/-0.000 χ^2/NDF:28948801897.9/25

Out: 0.717+/-0.000 χ^2/NDF:25014268915.4/29

All: 0.757+/-0.000 χ^2/NDF: 54601199027.5/5

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:92040.9/10

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:430202.4/9

Left: 0.008+/-0.000 χ^2/NDF: 576680.9/20

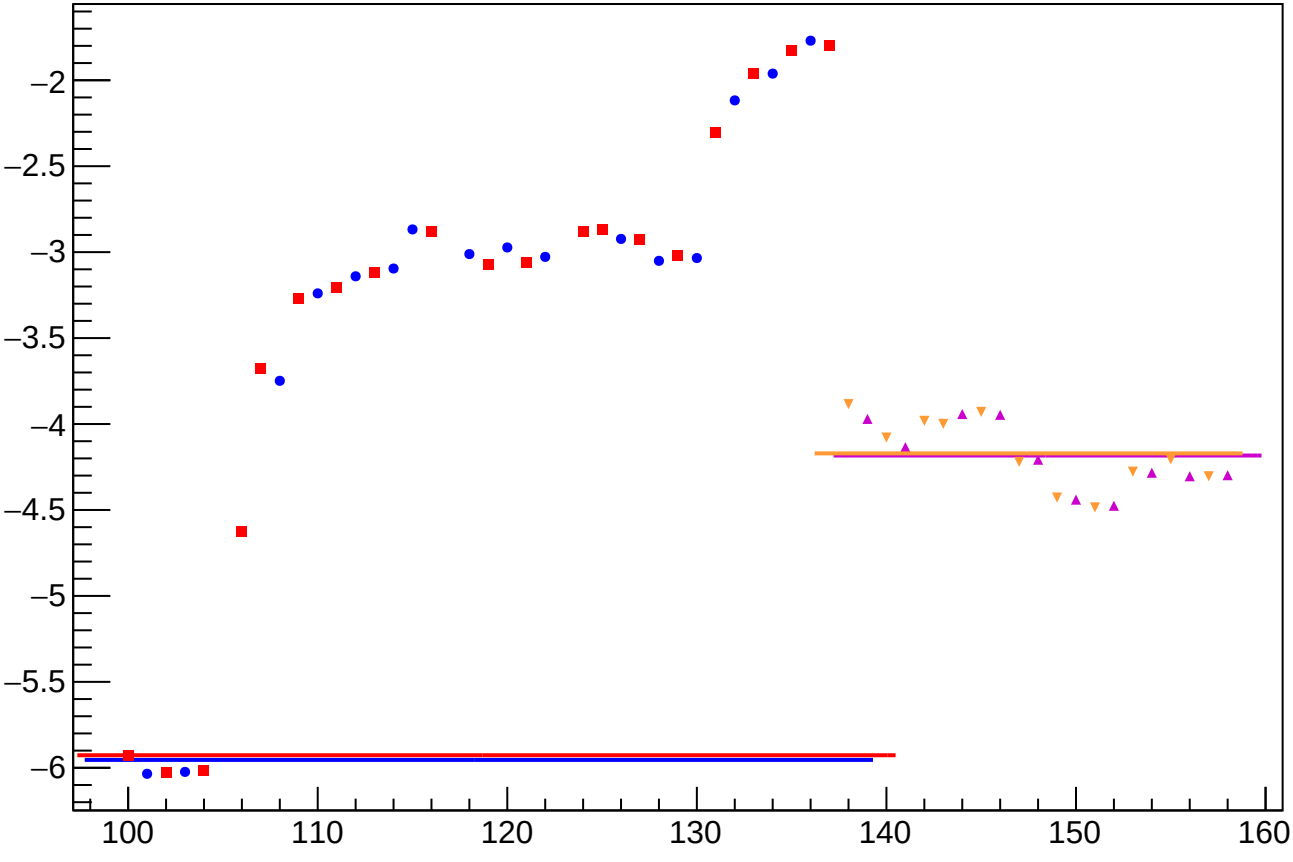
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1029202.5/25

Out: 0.008+/-0.000 χ^2/NDF:757488.6/29

All: 0.008+/-0.000 χ^2/NDF: 1797260.3/55

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.171+/-0.000 χ^2/NDF:51173929.0/10

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.183+/-0.000 χ^2/NDF:37391272.3/9

Left: -4.178+/-0.000 χ^2/NDF: 88655582.7/20

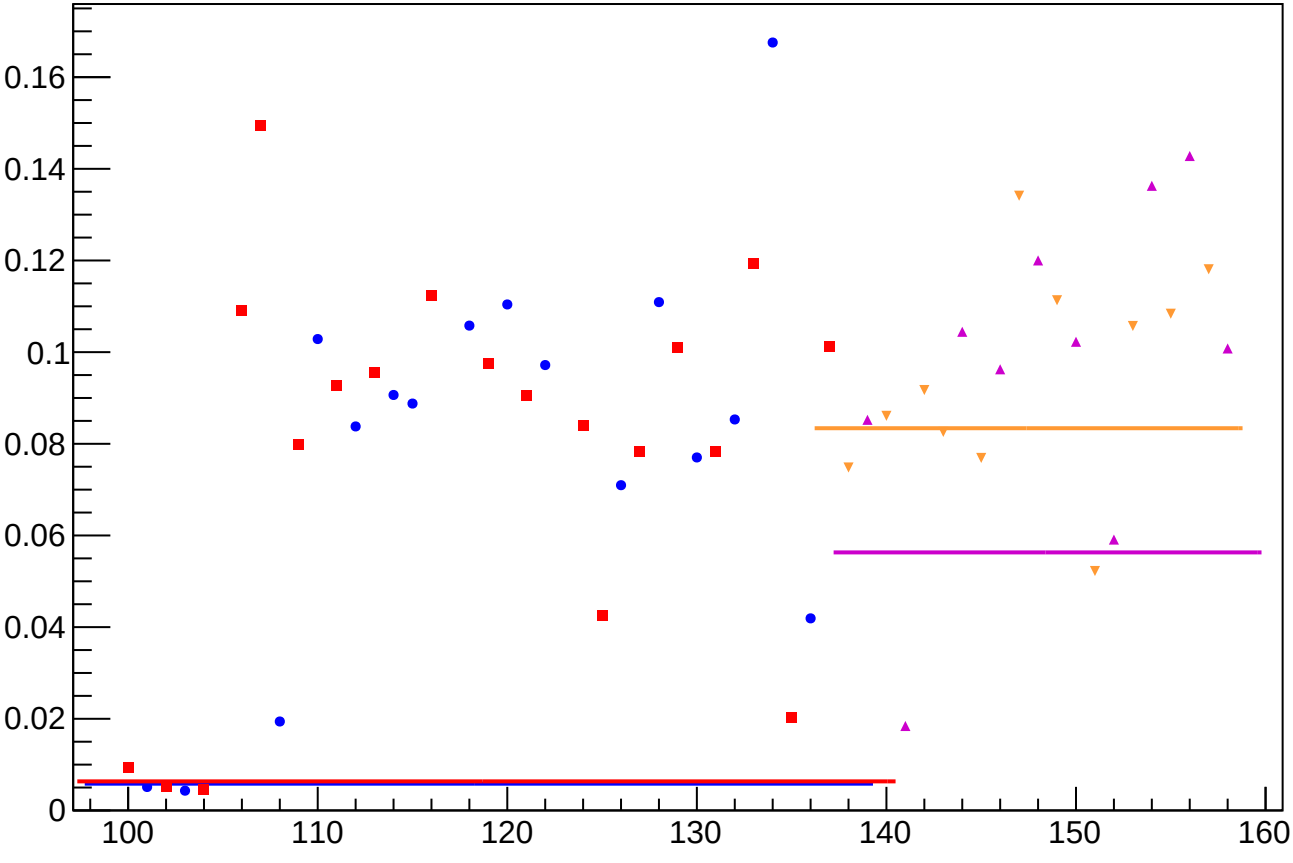
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.908+/-0.000 χ^2/NDF:17360144696.7/25

Out: -5.886+/-0.000 χ^2/NDF:17000340540.9/29

All: -5.898+/-0.000 χ^2/NDF: 34371646131.5/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.083+/-0.000 χ^2/NDF:1017557.5/10

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.056+/-0.000 χ^2/NDF:4730208.6/9

Left: 0.068+/-0.000 χ^2/NDF: 6602246.3/20

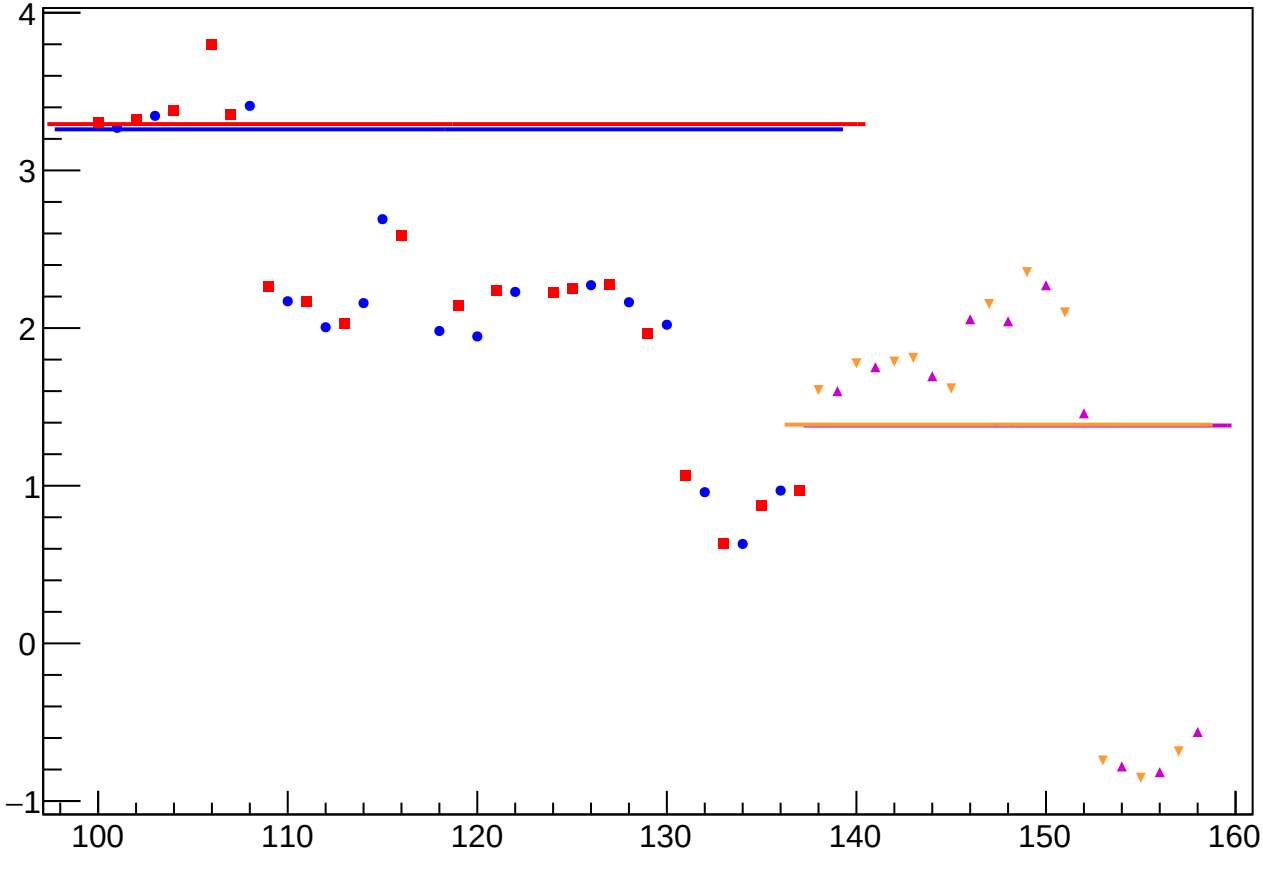
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:20289071.3/25

Out: 0.008+/-0.000 χ^2/NDF:21422662.4/29

All: 0.008+/-0.000 χ^2/NDF: 41756532.2/55

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.387+/-0.000 χ^2/NDF:972542712.6/10

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.382+/-0.000 χ^2/NDF:735253074.2/9

Left: 1.385+/-0.000 χ^2/NDF: 1707808918.3/20

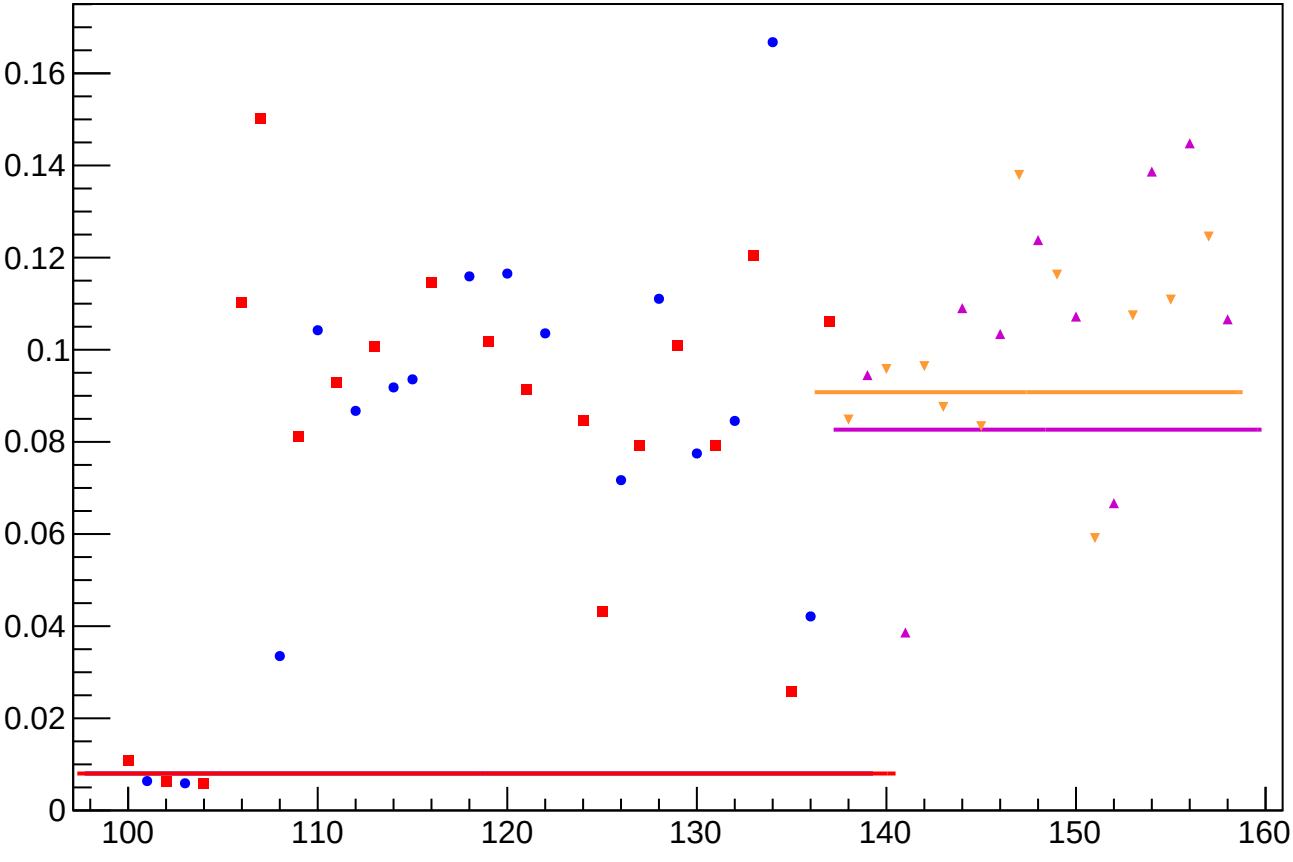
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.209+/-0.000 χ^2/NDF:6737764067.2/25

Out: 3.239+/-0.000 χ^2/NDF:7287637597.0/29

All: 3.223+/-0.000 χ^2/NDF: 14038830915.1/5

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.091+/-0.000 χ^2/NDF:806006.3/10

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.083+/-0.000 χ^2/NDF:2044300.8/9

Left: 0.087+/-0.000 χ^2/NDF: 2907926.3/20

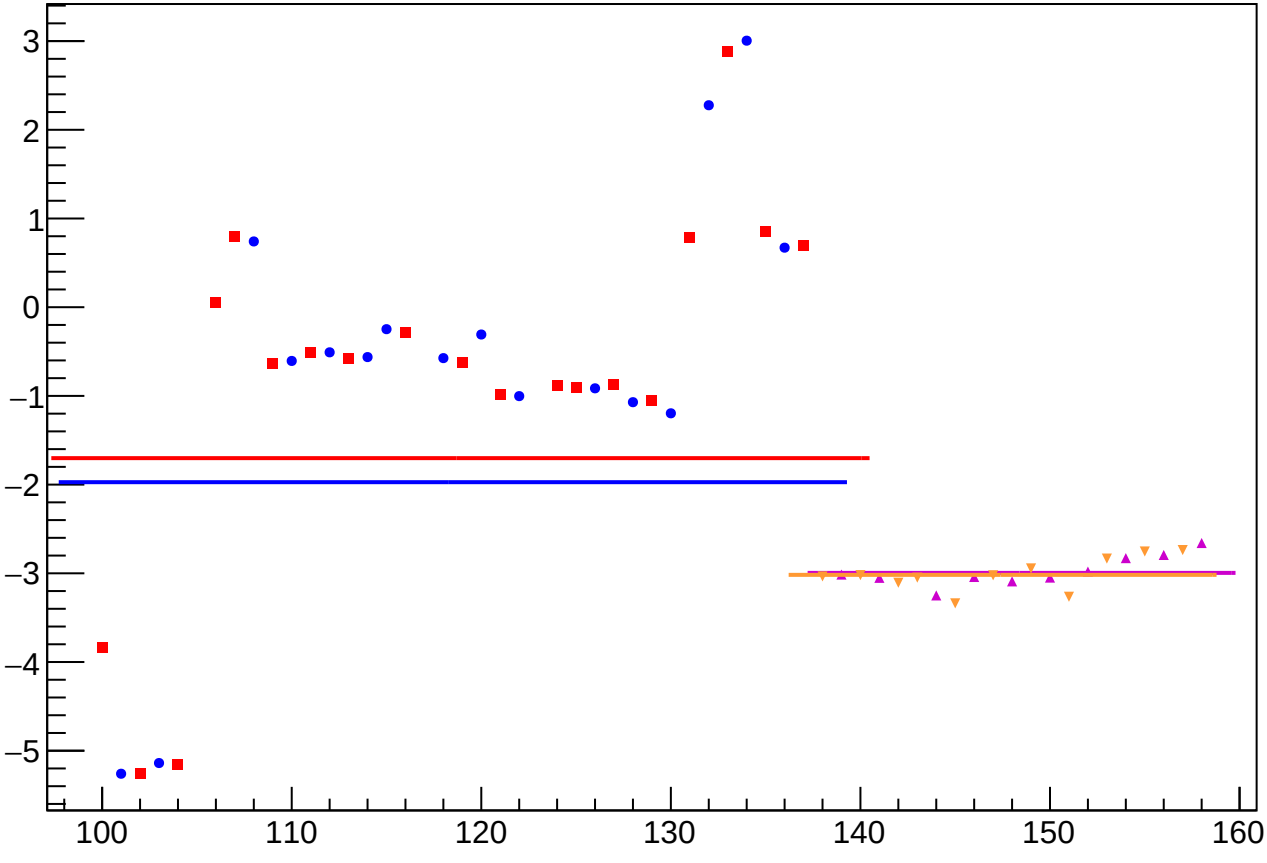
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.010+/-0.000 χ^2/NDF:19907507.4/25

Out: 0.010+/-0.000 χ^2/NDF:20928804.7/29

All: 0.010+/-0.000 χ^2/NDF: 40840057.8/55

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.017+/-0.000 χ^2/NDF:3951157653.0/10

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.995+/-0.000 χ^2/NDF:2976975390.1/9

Left: -3.006+/-0.000 χ^2/NDF: 6958141302.6/20

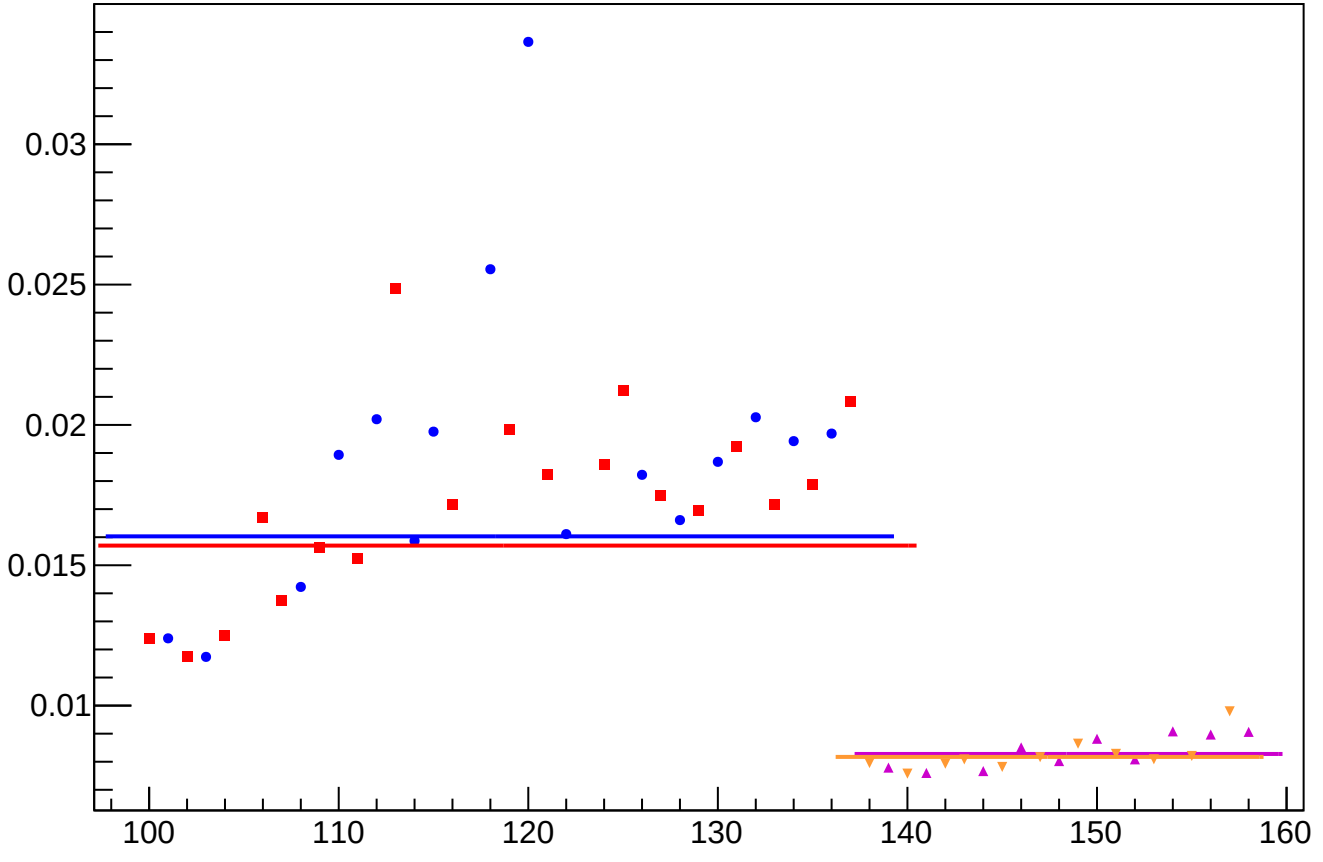
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.833+/-0.000 χ^2/NDF:184880983035.2/25

Out: -2.789+/-0.000 χ^2/NDF:209059677405.2/29

All: -2.810+/-0.000 χ^2/NDF: 394083502694.8

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:62189.3/10

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:75683.6/9

Left: 0.008+/-0.000 χ^2/NDF: 139214.8/20

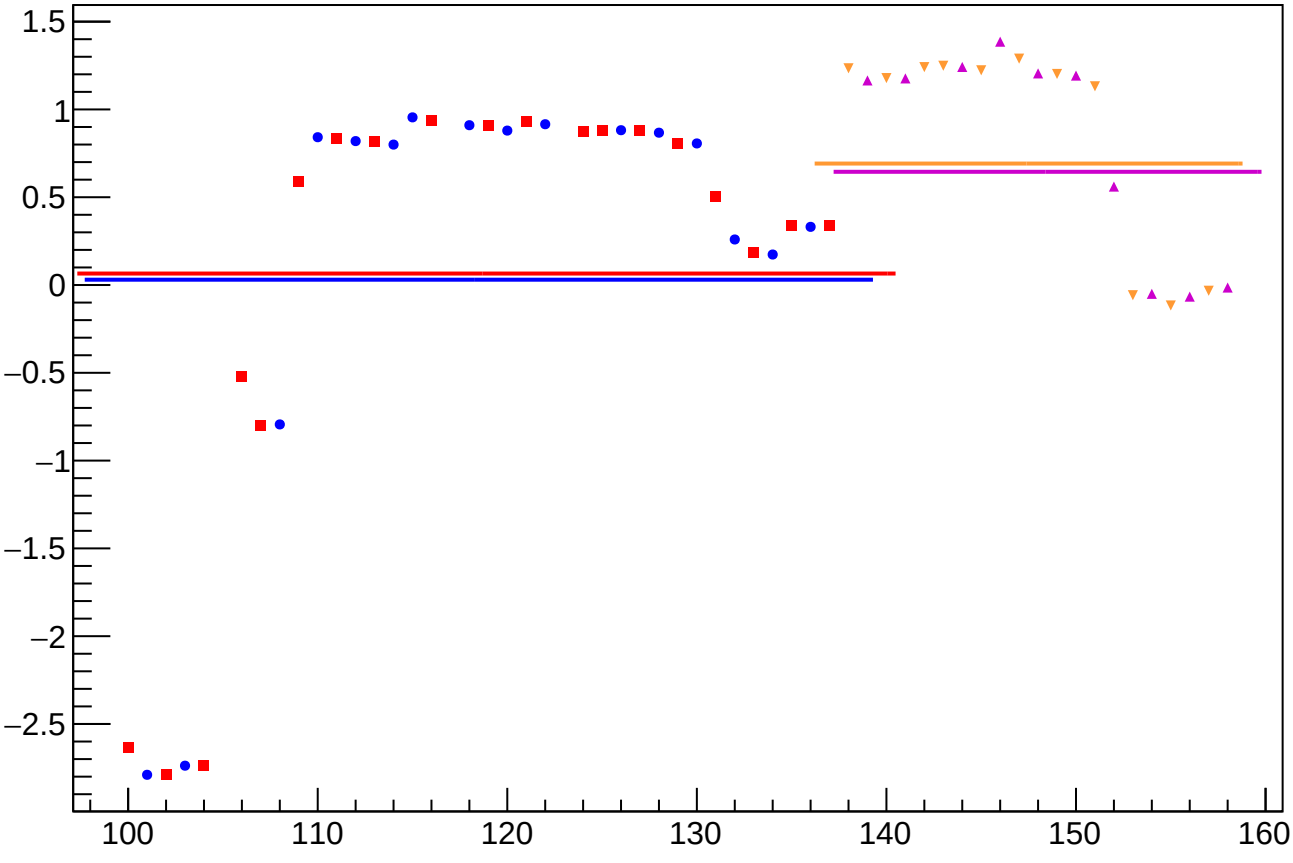
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:3103107.2/25

Out: 0.009+/-0.000 χ^2/NDF:2986812.8/29

All: 0.009+/-0.000 χ^2/NDF: 6090019.7/55

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.692+/-0.000 χ^2/NDF:54506433857.7/10

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.645+/-0.000 χ^2/NDF:47073167454.5/9

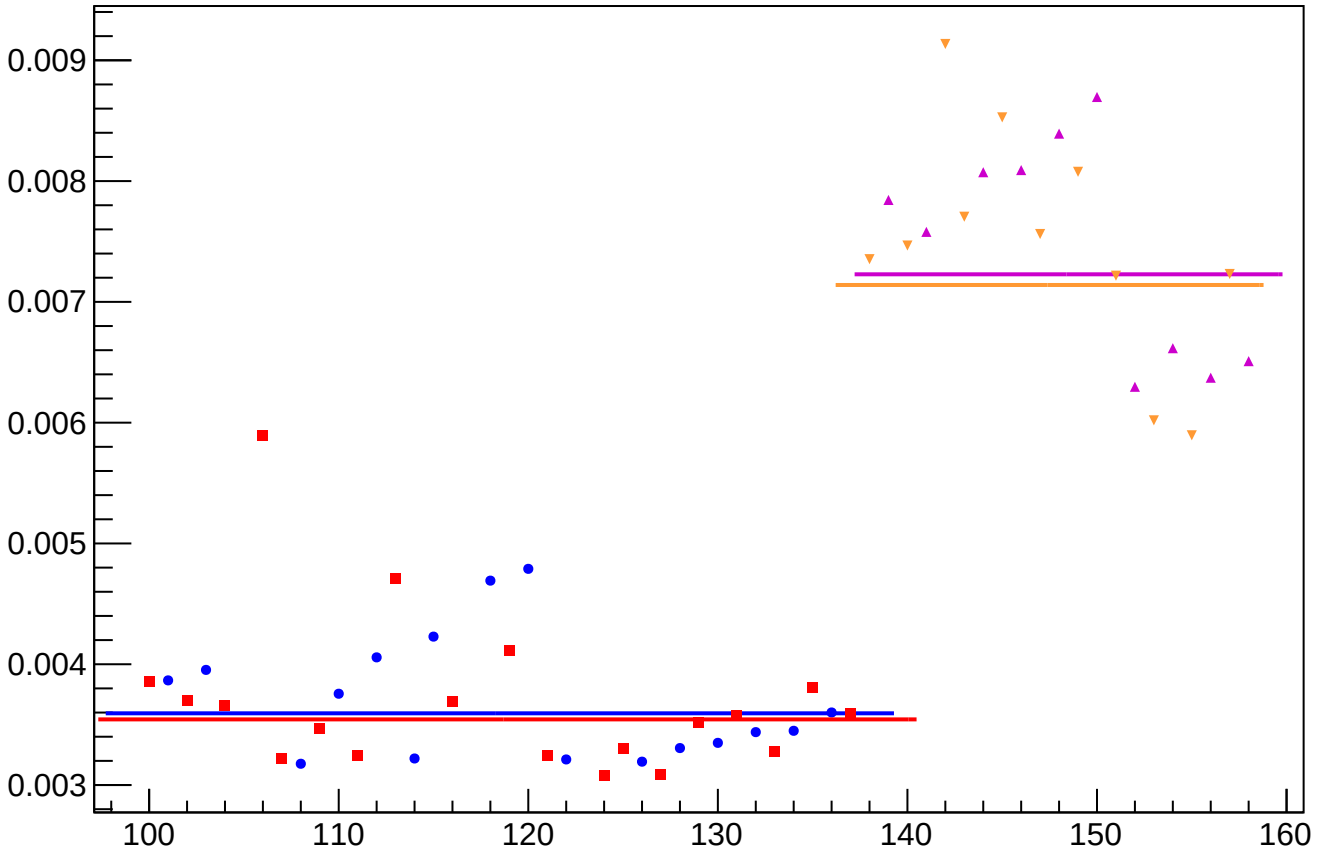
Left: 0.668+/-0.000 χ^2/NDF: 101728761993.4/20

Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.157+/-0.000 χ^2/NDF:939232309810.6/25

Out: 0.187+/-0.000 χ^2/NDF:1032755703869.9/29

All: 0.173+/-0.000 χ^2/NDF: 1972305022405.



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:217630.5/10

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:199644.3/9

Left: 0.007+/-0.000 χ^2/NDF: 418330.1/20

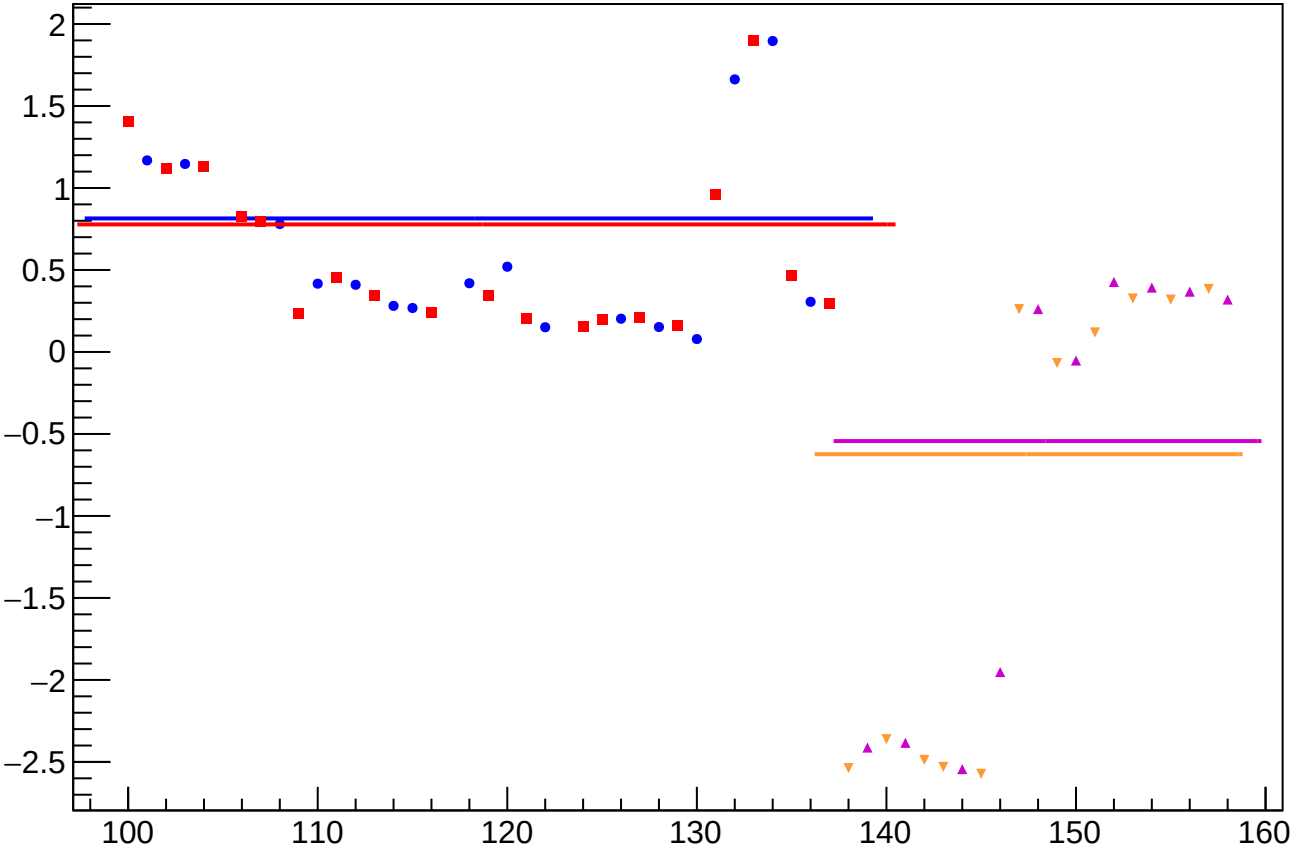
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:3212014.4/25

Out: 0.004+/-0.000 χ^2/NDF:3261911.3/29

All: 0.004+/-0.000 χ^2/NDF: 6480359.3/55

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.623+/-0.000 χ^2/NDF:298961504867.8/10

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.543+/-0.000 χ^2/NDF:273565801268.8/9

Left: -0.584+/-0.000 χ^2/NDF: 573111854504.6/20

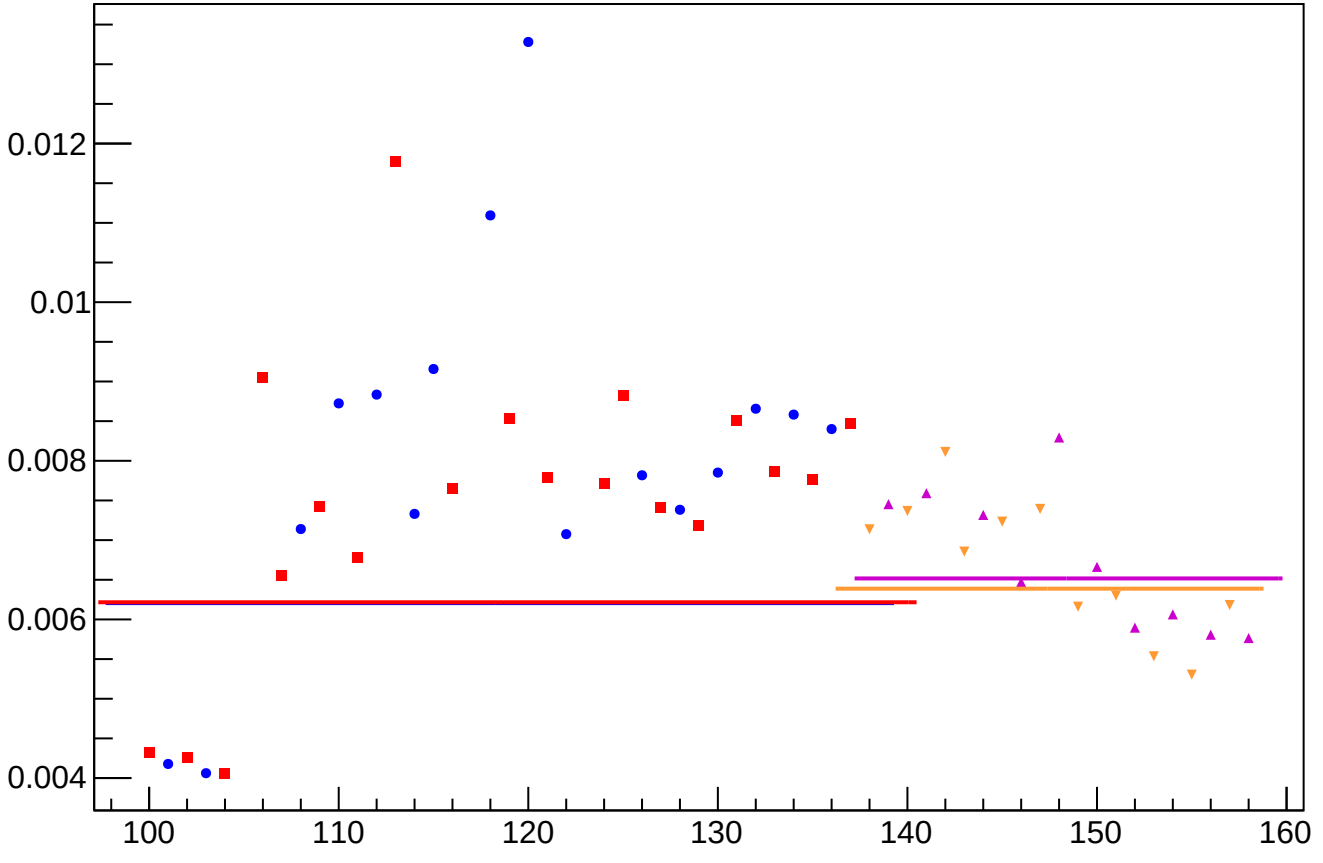
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.059+/-0.000 χ^2/NDF:456959817346.8/25

Out: 0.018+/-0.000 χ^2/NDF:499037109399.7/29

All: 0.038+/-0.000 χ^2/NDF: 956273972914.7

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:231410.1/10

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:219392.2/9

Left: 0.006+/-0.000 χ^2/NDF: 453833.9/20

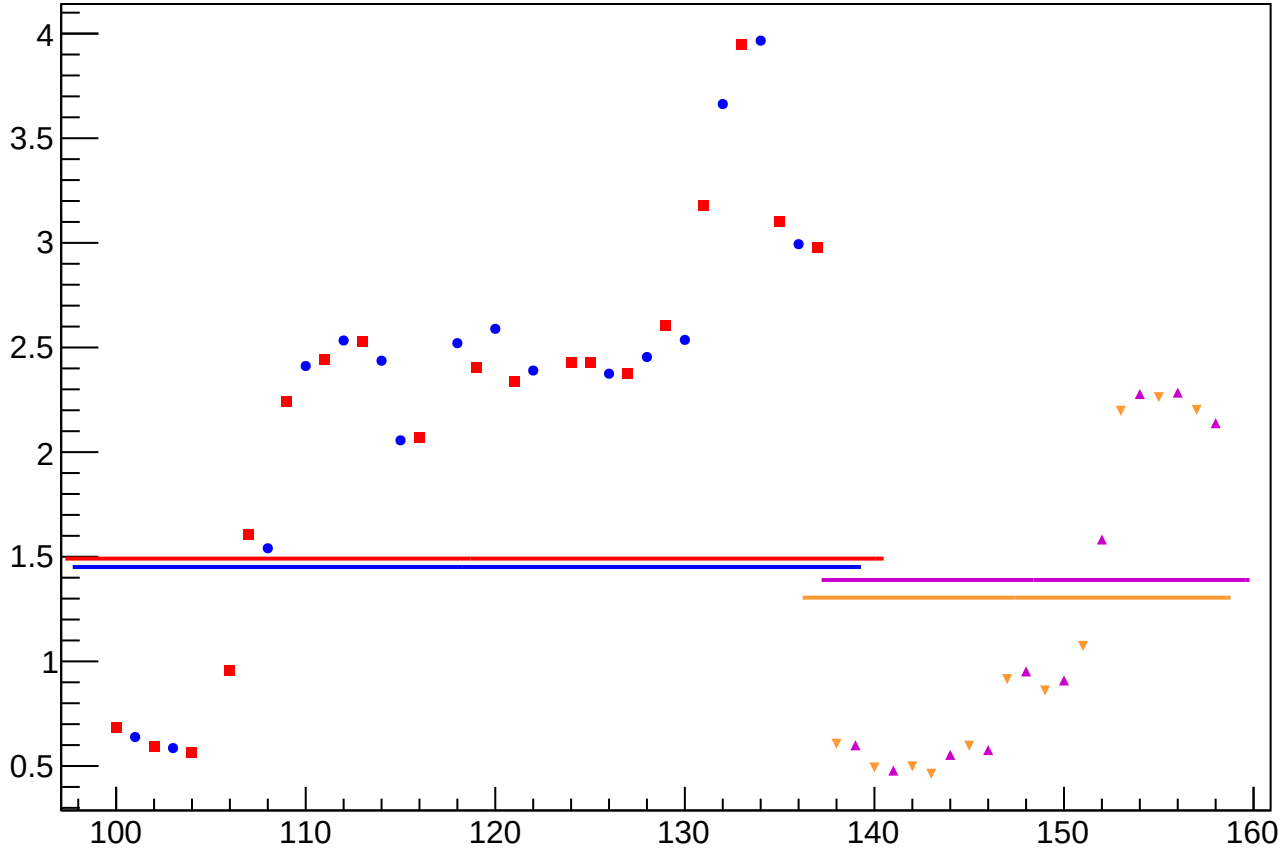
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1658780.9/25

Out: 0.006+/-0.000 χ^2/NDF:1397485.6/29

All: 0.006+/-0.000 χ^2/NDF: 3057873.5/55

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.305+/-0.000 χ^2/NDF:95817723964.0/10

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.389+/-0.000 χ^2/NDF:90901095493.4/9

Left: 1.347+/-0.000 χ^2/NDF: 187328376016.3/20

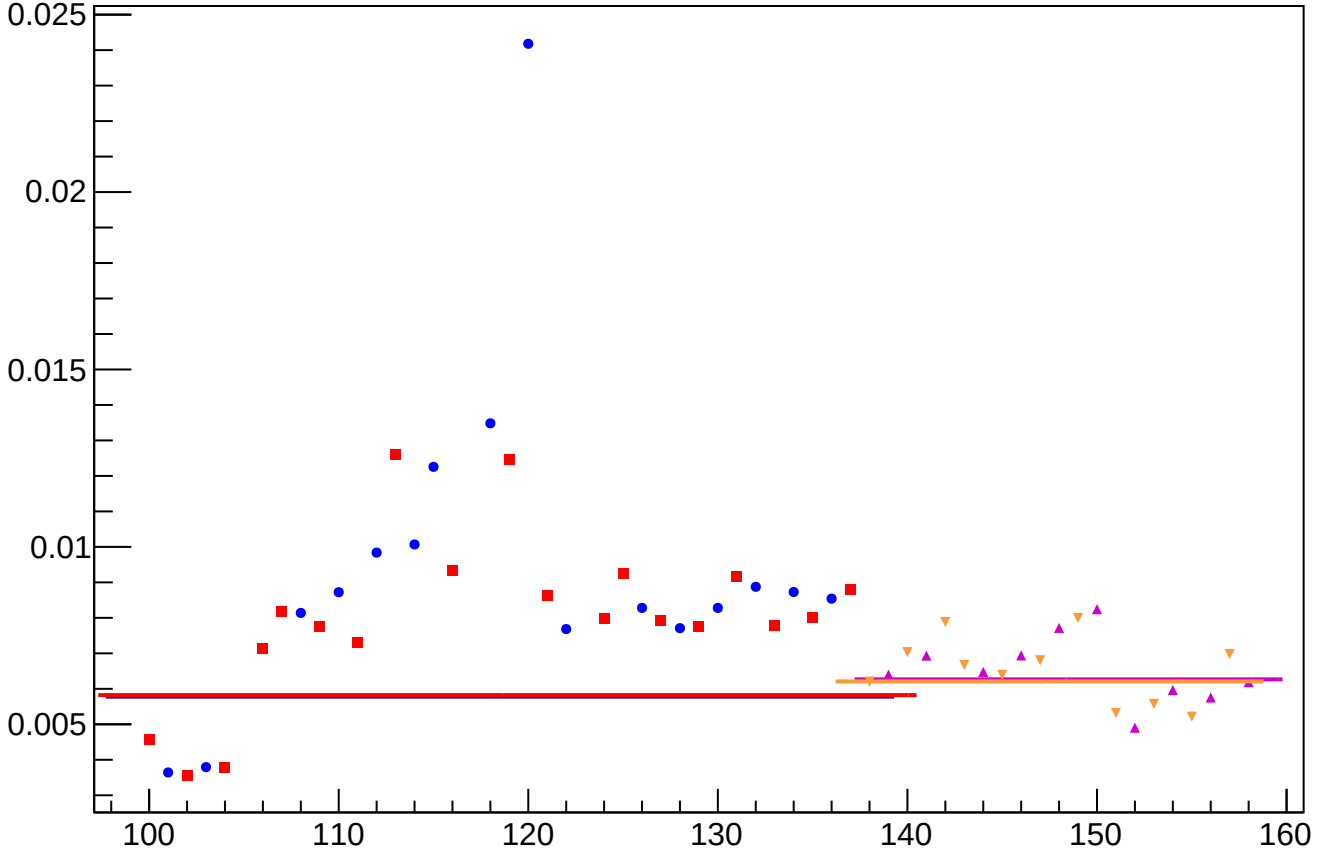
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.418+/-0.000 χ^2/NDF:260842327491.8/25

Out: 1.395+/-0.000 χ^2/NDF:285662662588.1/29

All: 1.406+/-0.000 χ^2/NDF: 546589999899.9

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:249801.0/10

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:277049.4/9

Left: 0.006+/-0.000 χ^2/NDF: 527430.4/20

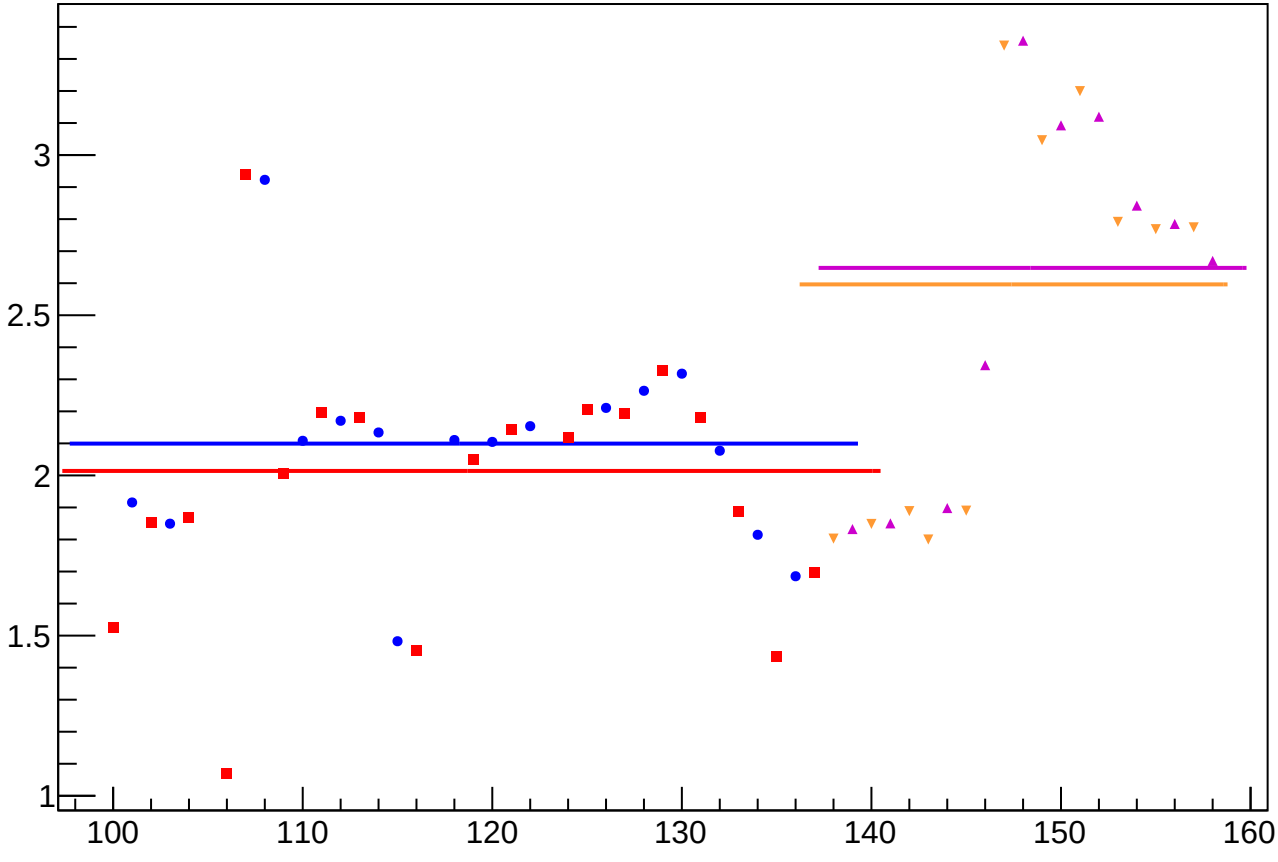
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2528660.3/25

Out: 0.006+/-0.000 χ^2/NDF:2230132.0/29

All: 0.006+/-0.000 χ^2/NDF: 4758894.0/55

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.596+/-0.000 χ^2/NDF:40218420230.1/10

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.648+/-0.000 χ^2/NDF:33237728937.8/9

Left: 2.622+/-0.000 χ^2/NDF: 73619393123.7/20

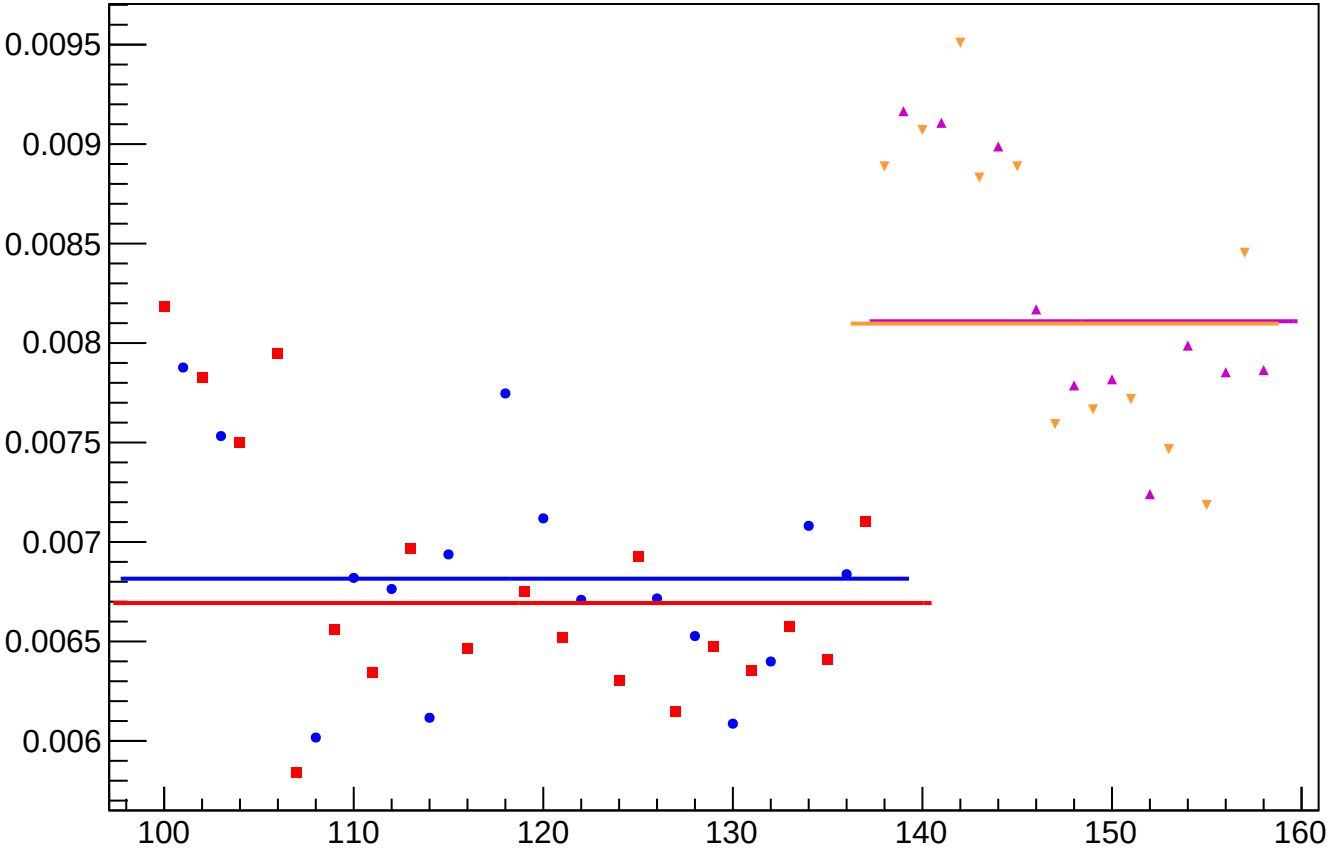
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.351+/-0.000 χ^2/NDF:67420955214.7/25

Out: 2.267+/-0.000 χ^2/NDF:83291634525.8/29

All: 2.308+/-0.000 χ^2/NDF: 151684966178.6

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:123957.8/10

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:89490.8/9

Left: 0.008+/-0.000 χ^2/NDF: 213465.6/20

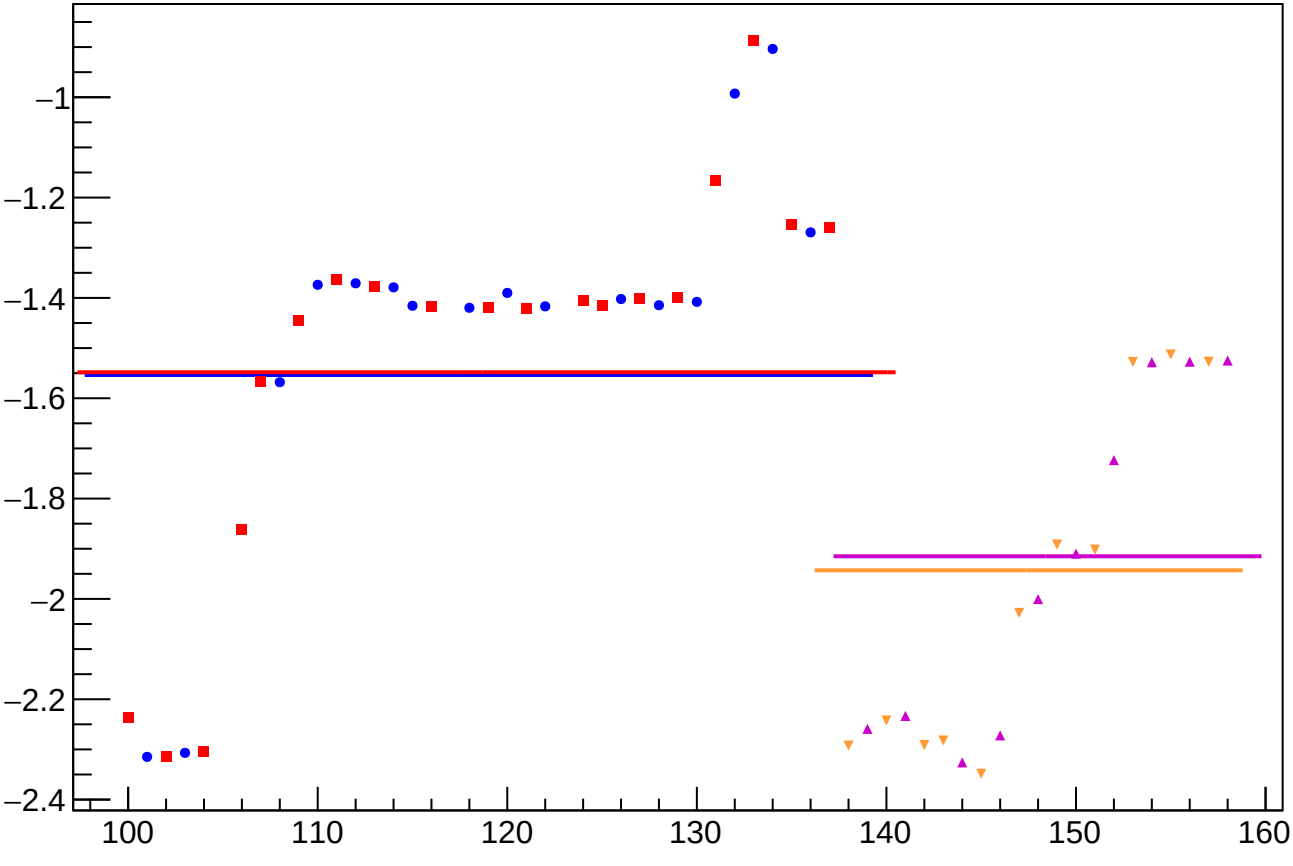
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:401727.9/25

Out: 0.007+/-0.000 χ^2/NDF:484744.6/29

All: 0.007+/-0.000 χ^2/NDF: 889555.5/55

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.943+/-0.000 χ^2/NDF:84085482380.3/10

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.915+/-0.000 χ^2/NDF:81605805181.5/9

Left: -1.929+/-0.000 χ^2/NDF: 165995362777.5/20

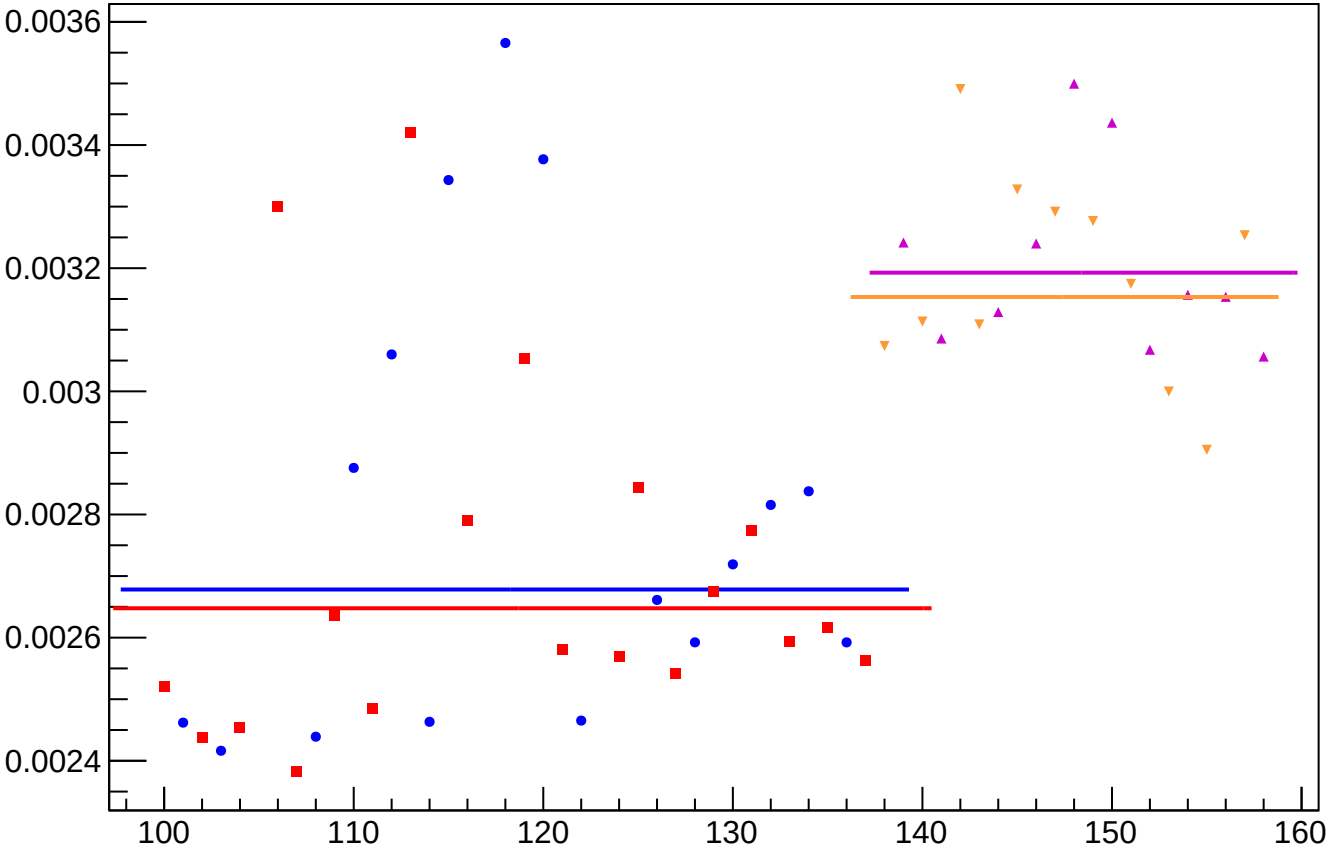
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.718+/-0.000 χ^2/NDF:312245614663.7/25

Out: -1.721+/-0.000 χ^2/NDF:327152063520.5/29

All: -1.719+/-0.000 χ^2/NDF: 639408623443.1

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:34782.3/10

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:29693.1/9

Left: 0.003+/-0.000 χ^2/NDF: 65694.6/20

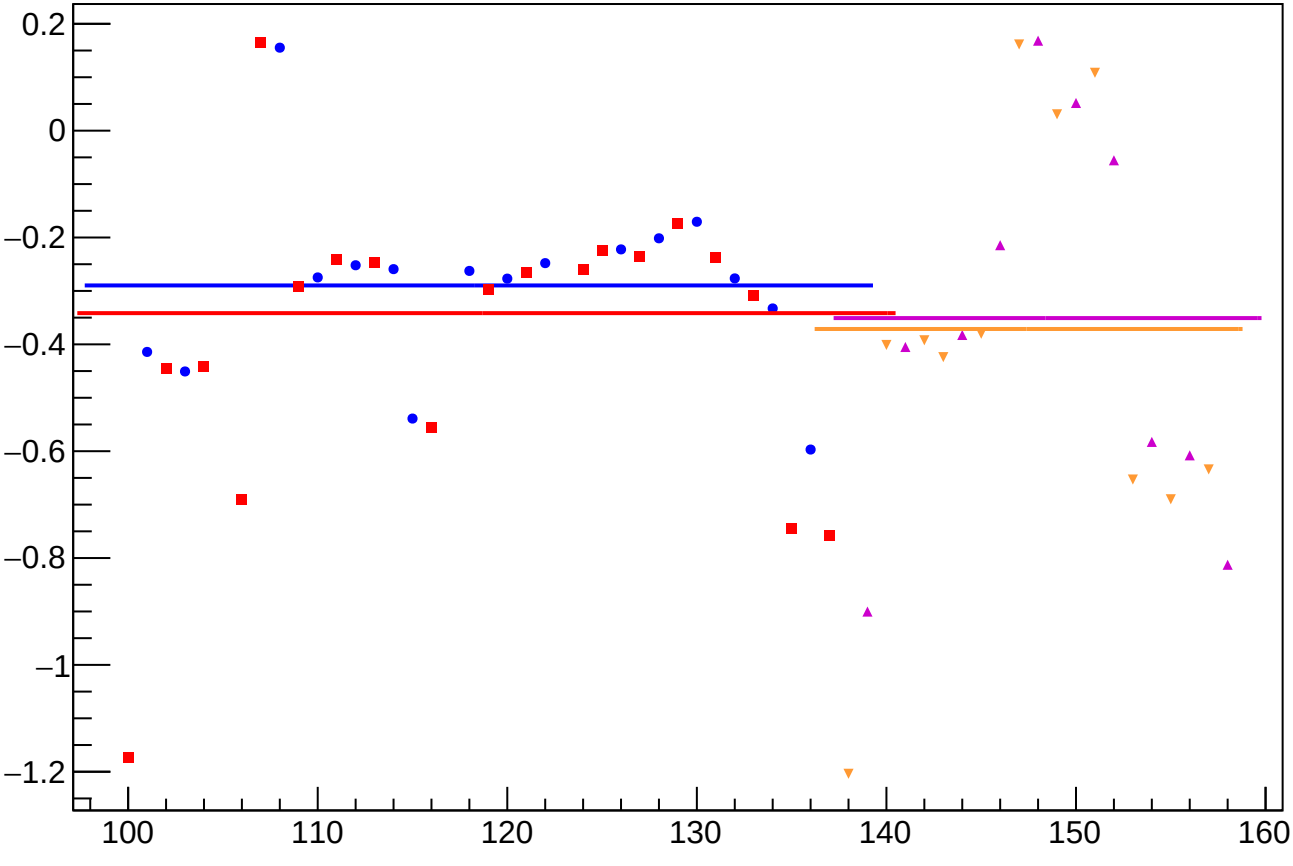
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:412498.0/25

Out: 0.003+/-0.000 χ^2/NDF:375013.1/29

All: 0.003+/-0.000 χ^2/NDF: 790666.9/55

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.371+/-0.000 χ^2/NDF:6791574733.2/10

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.351+/-0.000 χ^2/NDF:5338577210.9/9

Left: -0.361+/-0.000 χ^2/NDF: 12139439482.3/20

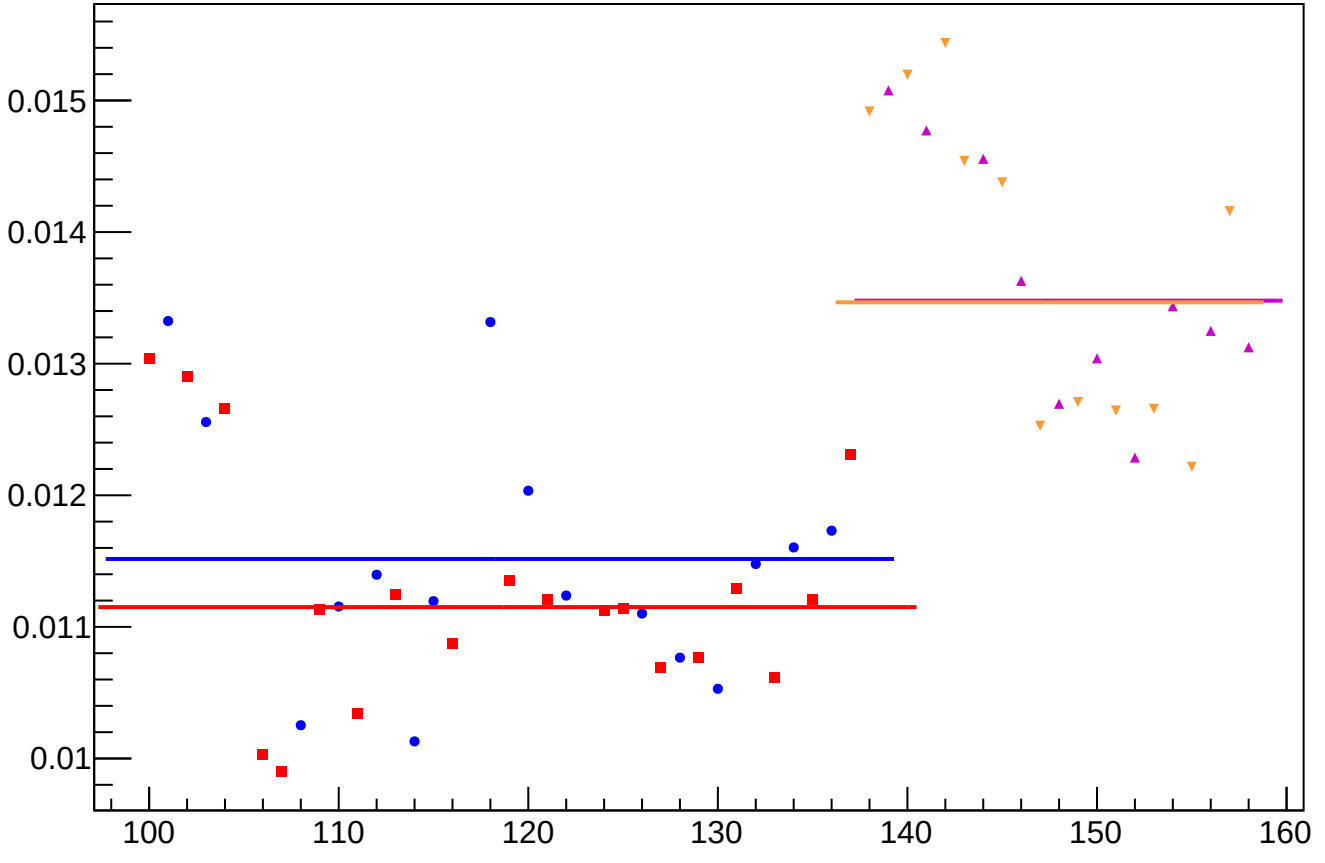
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.318+/-0.000 χ^2/NDF:7073792745.9/25

Out: -0.354+/-0.000 χ^2/NDF:9423009753.9/29

All: -0.337+/-0.000 χ^2/NDF: 16562924793.5/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:108491.6/10

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:64854.1/9

Left: 0.013+/-0.000 χ^2/NDF: 173353.0/20

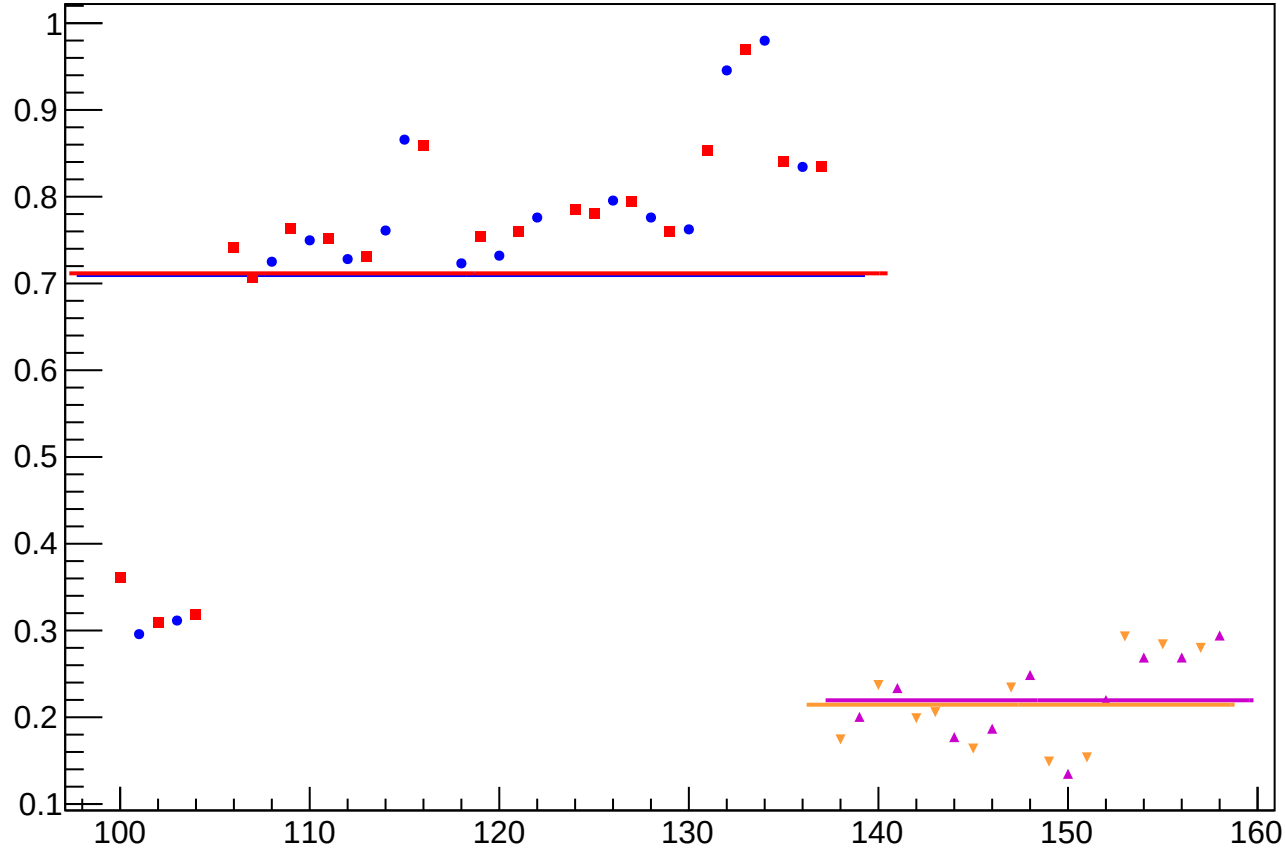
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:334903.6/25

Out: 0.012+/-0.000 χ^2/NDF:449687.8/29

All: 0.012+/-0.000 χ^2/NDF: 792001.9/55

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.214+/-0.000 χ^2/NDF:4616441311.9/10

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.220+/-0.000 χ^2/NDF:3901523341.2/9

Left: 0.217+/-0.000 χ^2/NDF: 8541154867.9/20

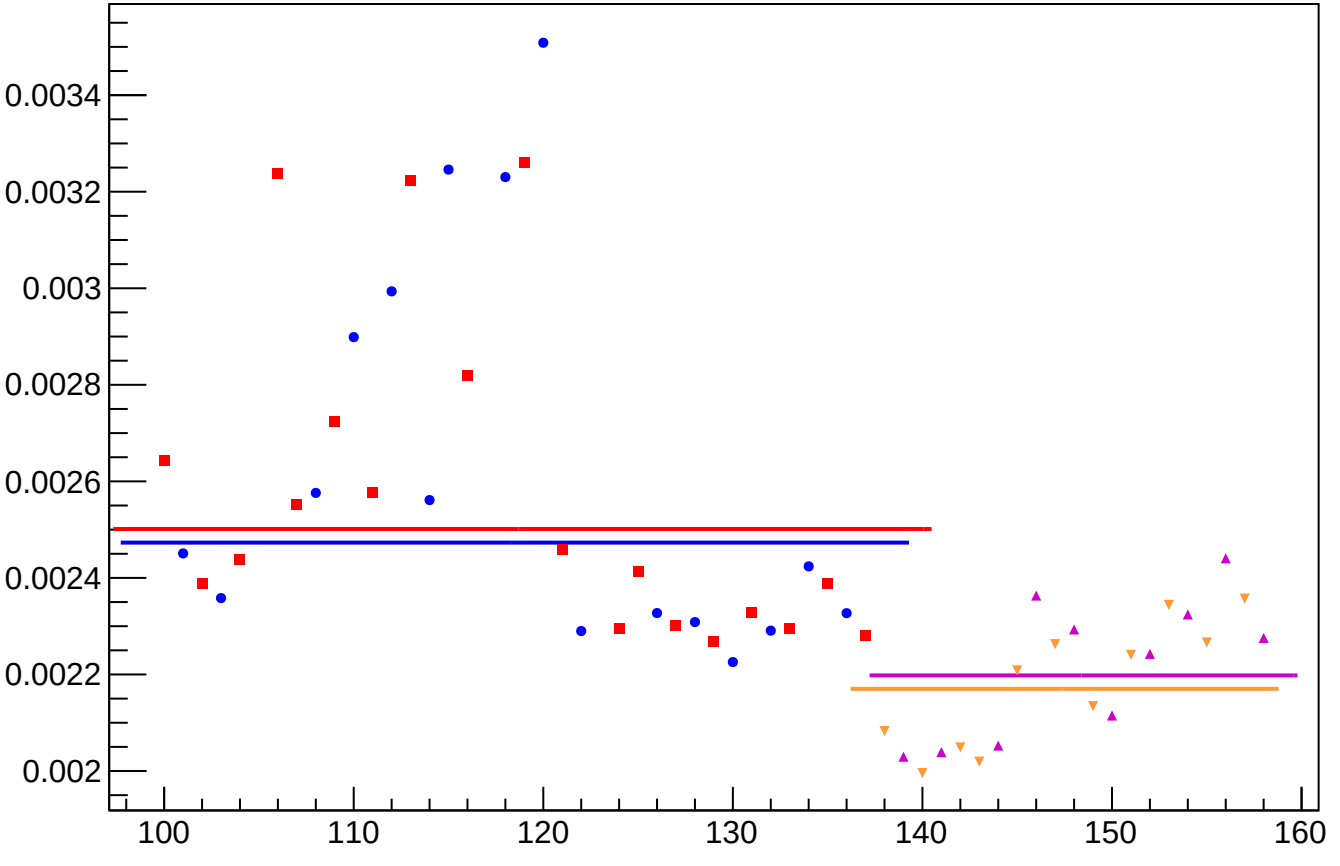
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.409+/-0.000 χ^2/NDF:217352286943.6/25

Out: 0.405+/-0.000 χ^2/NDF:220366225234.9/29

All: 0.407+/-0.000 χ^2/NDF: 437740707756.8

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:55143.2/10

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:69339.8/9

Left: 0.002+/-0.000 χ^2/NDF: 125869.7/20

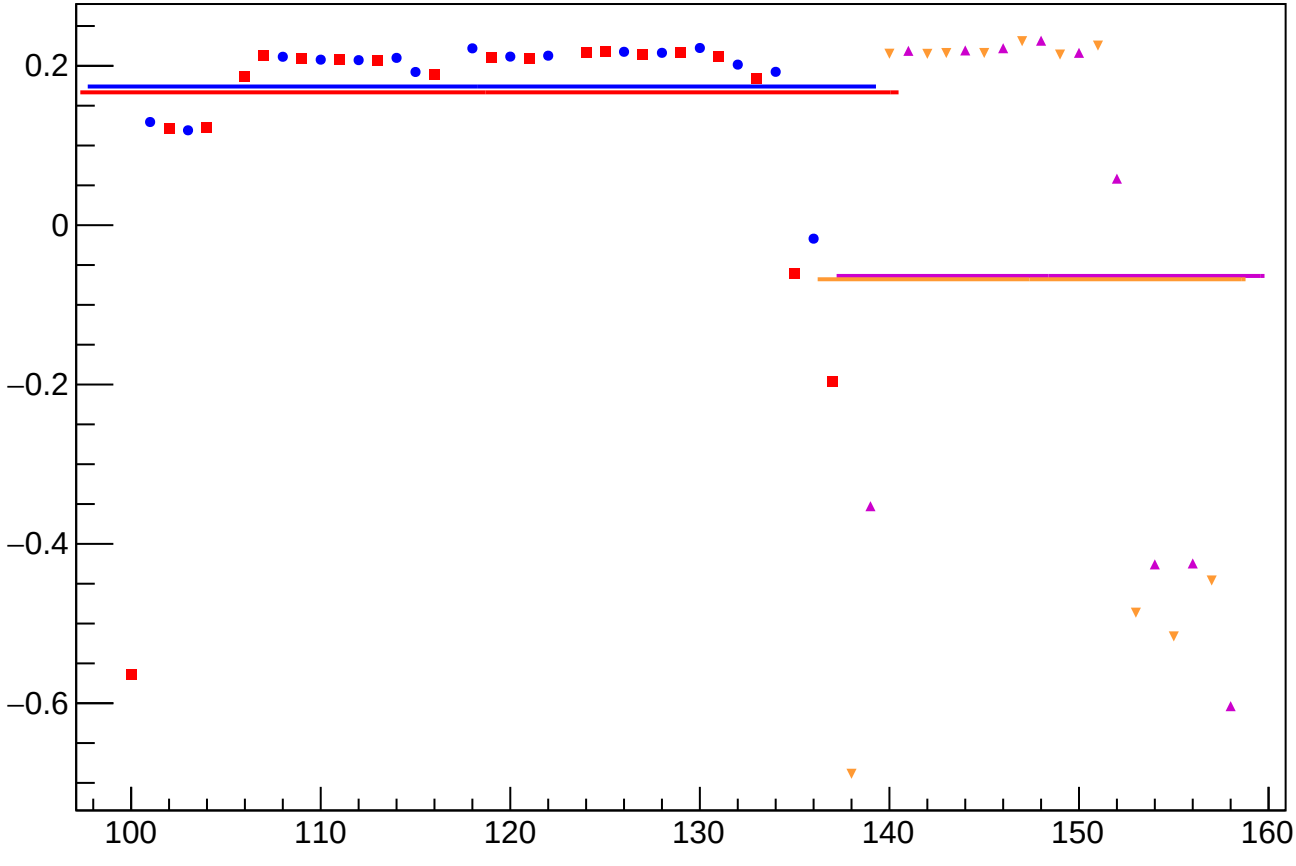
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:381021.0/25

Out: 0.002+/-0.000 χ^2/NDF:384744.6/29

All: 0.002+/-0.000 χ^2/NDF: 765917.1/55

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.068+/-0.000 χ^2/NDF:7284927173.8/10

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.064+/-0.000 χ^2/NDF:5841916280.9/9

Left: -0.066+/-0.000 χ^2/NDF: 13127319245.1/20

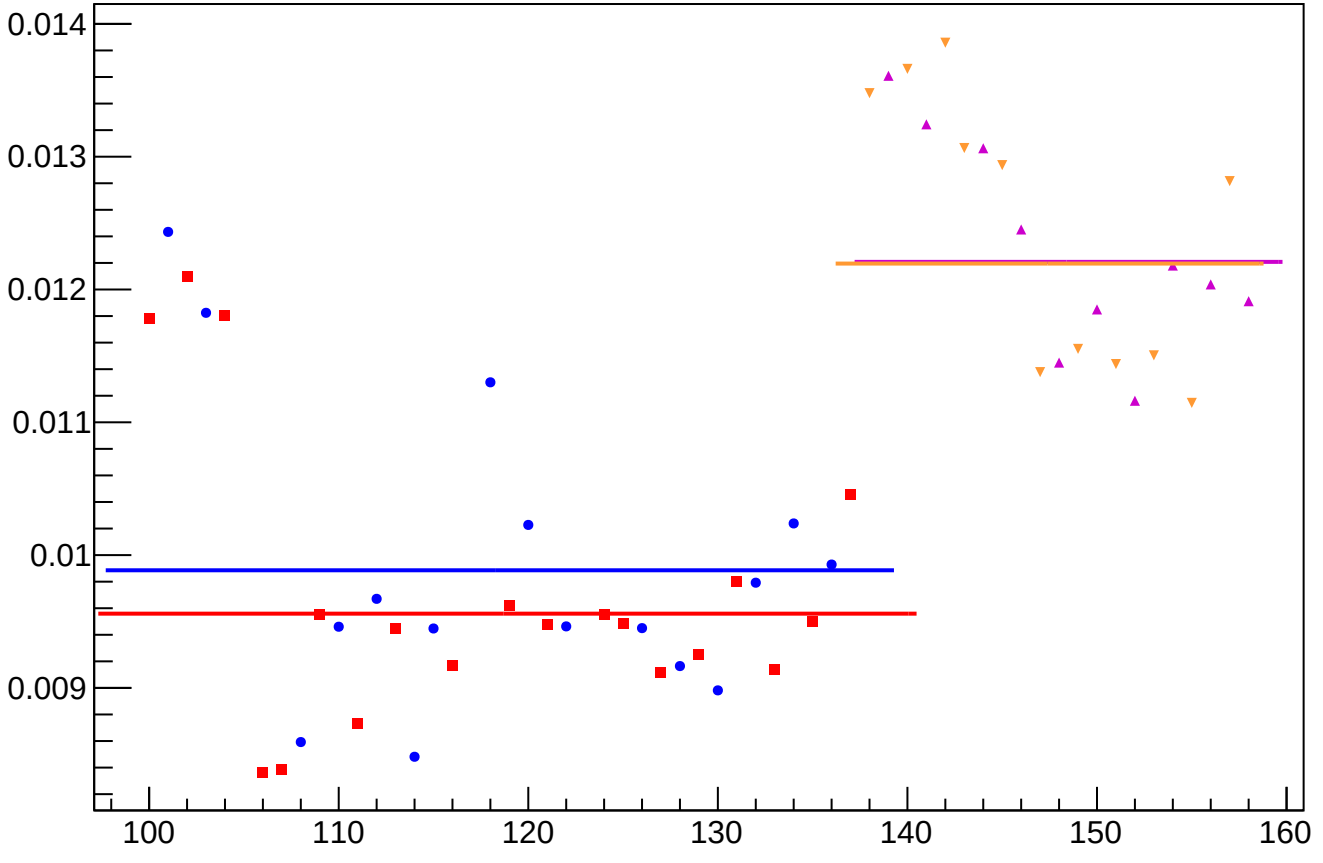
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.070+/-0.000 χ^2/NDF:7983680251.6/25

Out: 0.071+/-0.000 χ^2/NDF:9950406106.2/29

All: 0.070+/-0.000 χ^2/NDF: 17934169358.2/5

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:97248.7/10

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:59012.3/9

Left: 0.012+/-0.000 χ^2/NDF: 156270.0/20

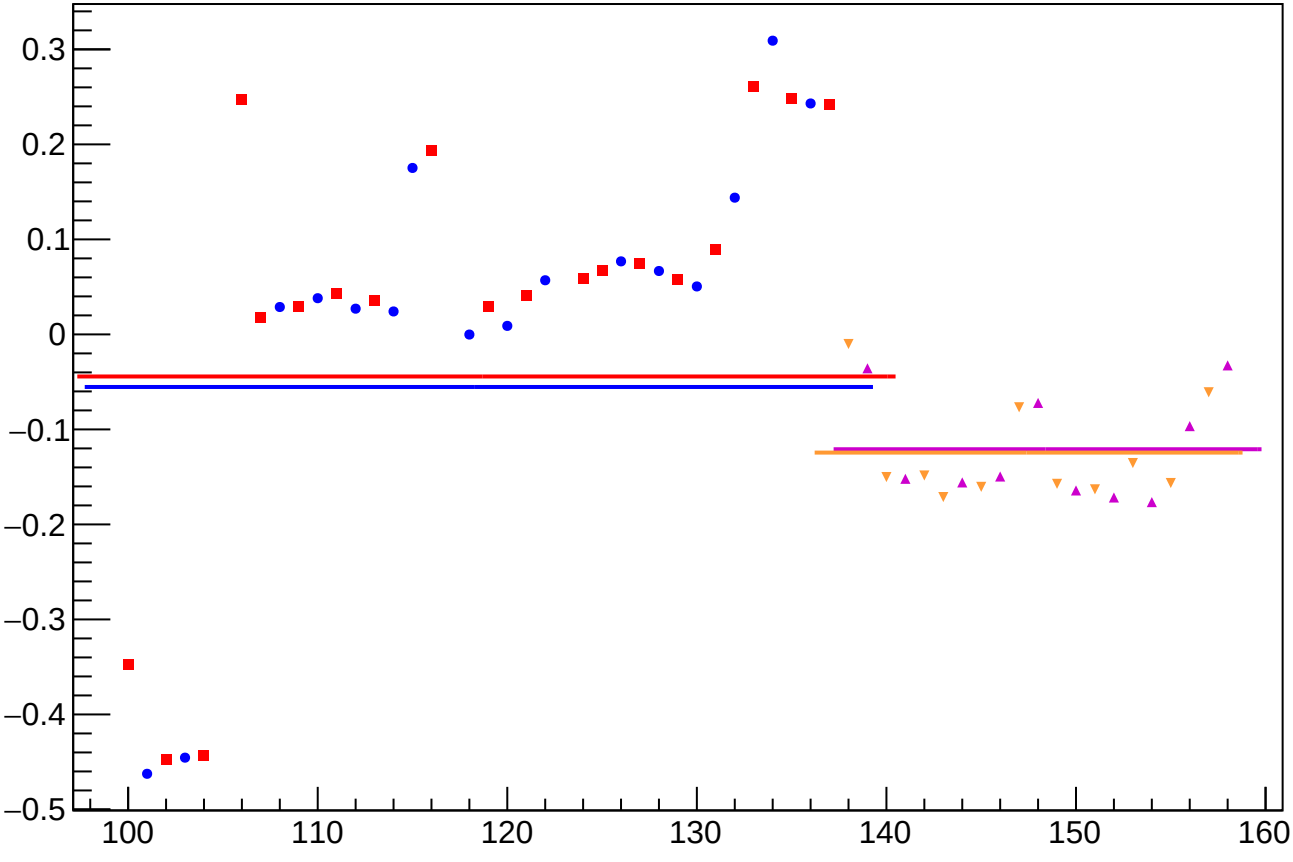
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:539523.0/25

Out: 0.011+/-0.000 χ^2/NDF:680653.9/29

All: 0.011+/-0.000 χ^2/NDF: 1229473.9/55

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.124+/-0.000 χ^2/NDF:2434139221.7/10

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.121+/-0.000 χ^2/NDF:2720777301.9/9

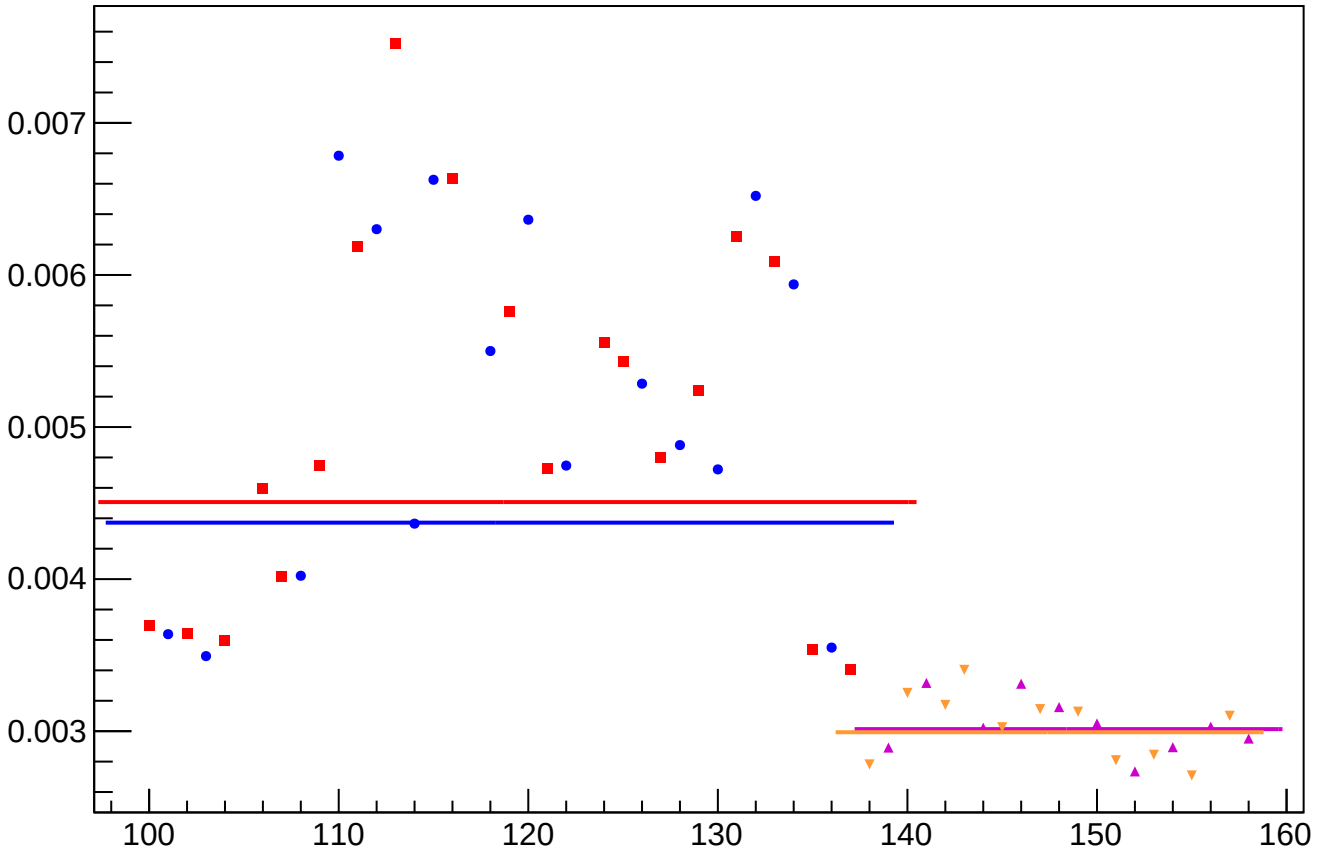
Left: -0.123+/-0.000 χ^2/NDF: 5160510412.3/20

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.104+/-0.000 χ^2/NDF:27815165017.7/25

Out: -0.104+/-0.000 χ^2/NDF:26068563189.7/29

All: -0.104+/-0.000 χ^2/NDF: 53883728342.0/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:79297.8/10

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:53146.7/9

Left: 0.003+/-0.000 χ^2/NDF: 132826.2/20

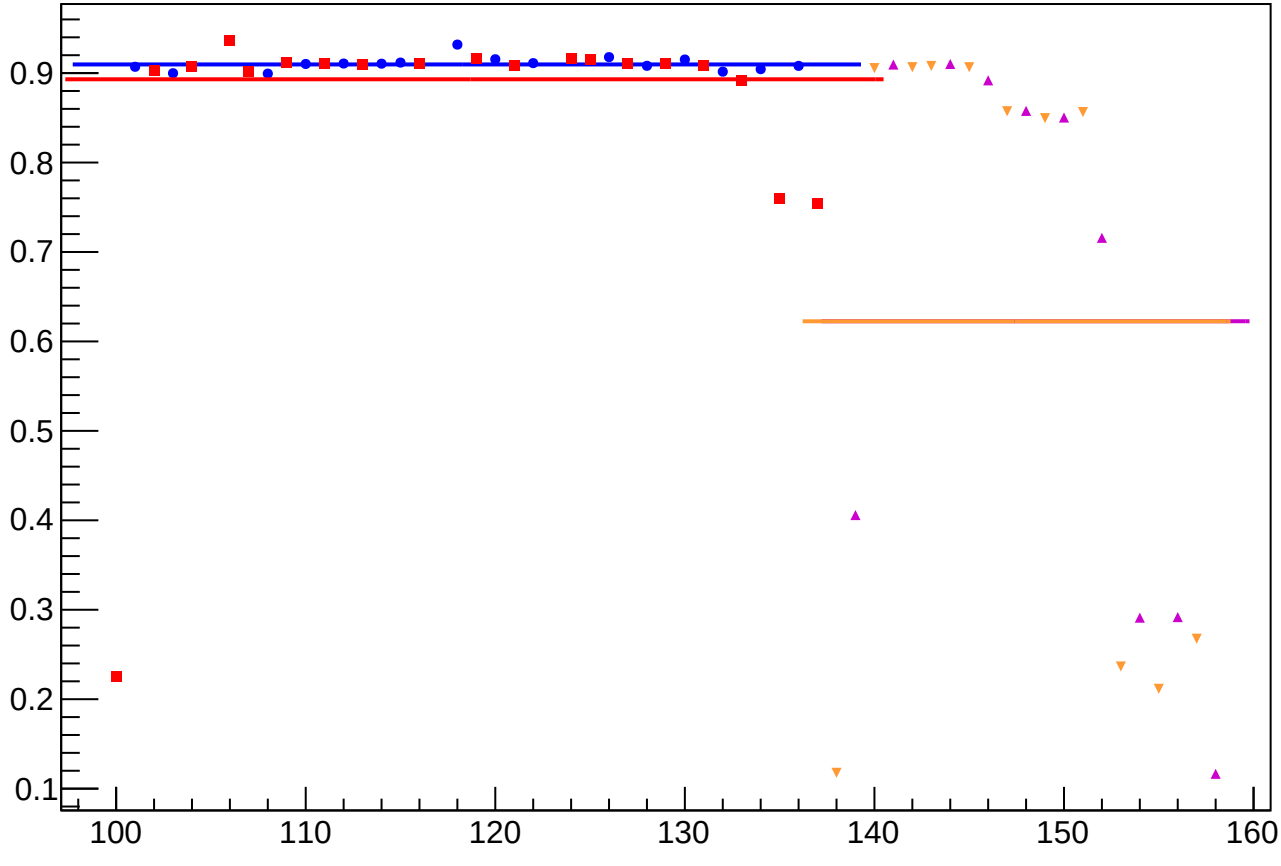
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1582558.2/25

Out: 0.003+/-0.000 χ^2/NDF:1853643.4/29

All: 0.003+/-0.000 χ^2/NDF: 3436455.8/55

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.623+/-0.000 χ^2/NDF:6137609077.8/10

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.623+/-0.000 χ^2/NDF:5141583312.8/9

Left: 0.623+/-0.000 χ^2/NDF: 11279192510.7/20

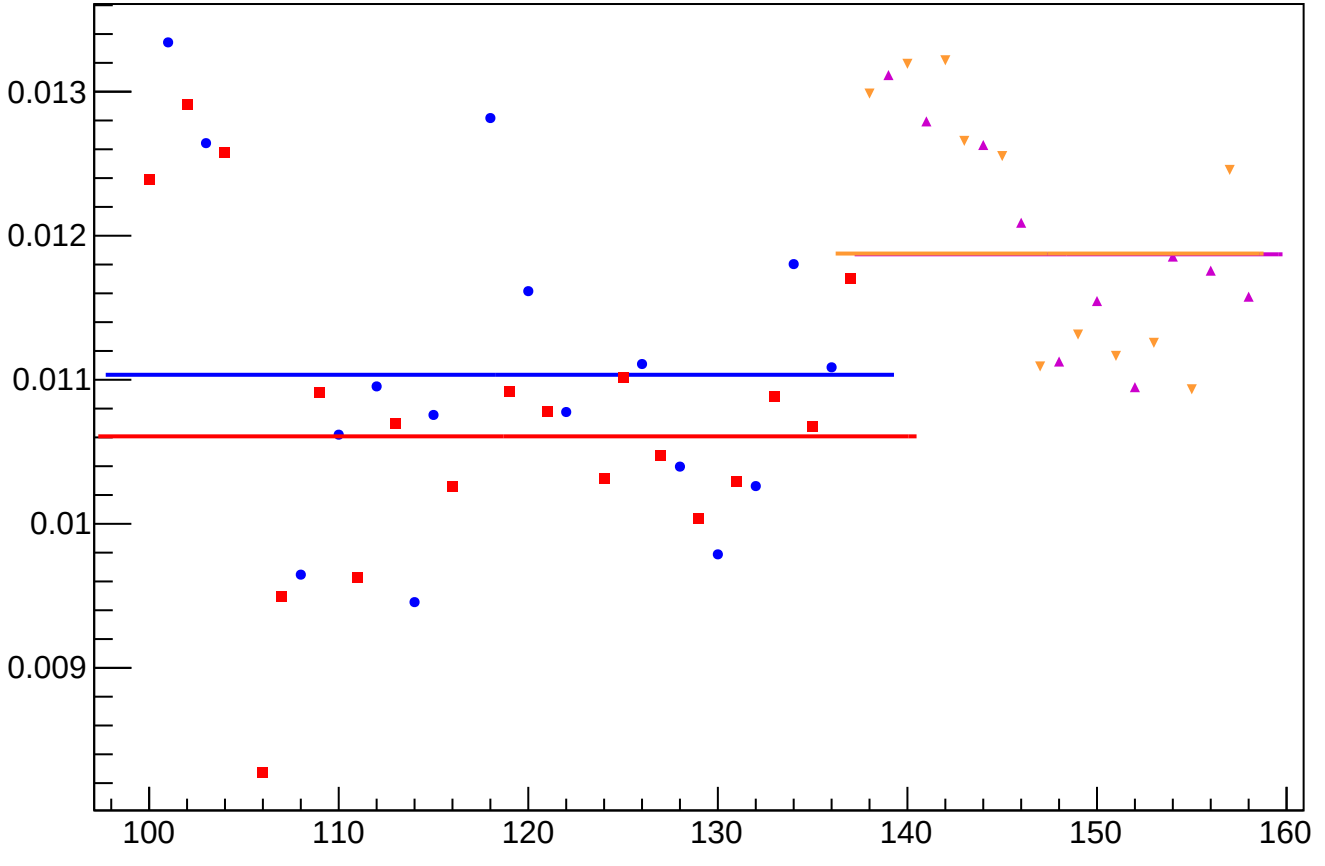
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.764+/-0.000 χ^2/NDF:7510598893.5/25

Out: 0.765+/-0.000 χ^2/NDF:8690400208.1/29

All: 0.764+/-0.000 χ^2/NDF: 16201071439.8/5

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:83034.4/10

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:51246.8/9

Left: 0.012+/-0.000 χ^2/NDF: 134282.8/20

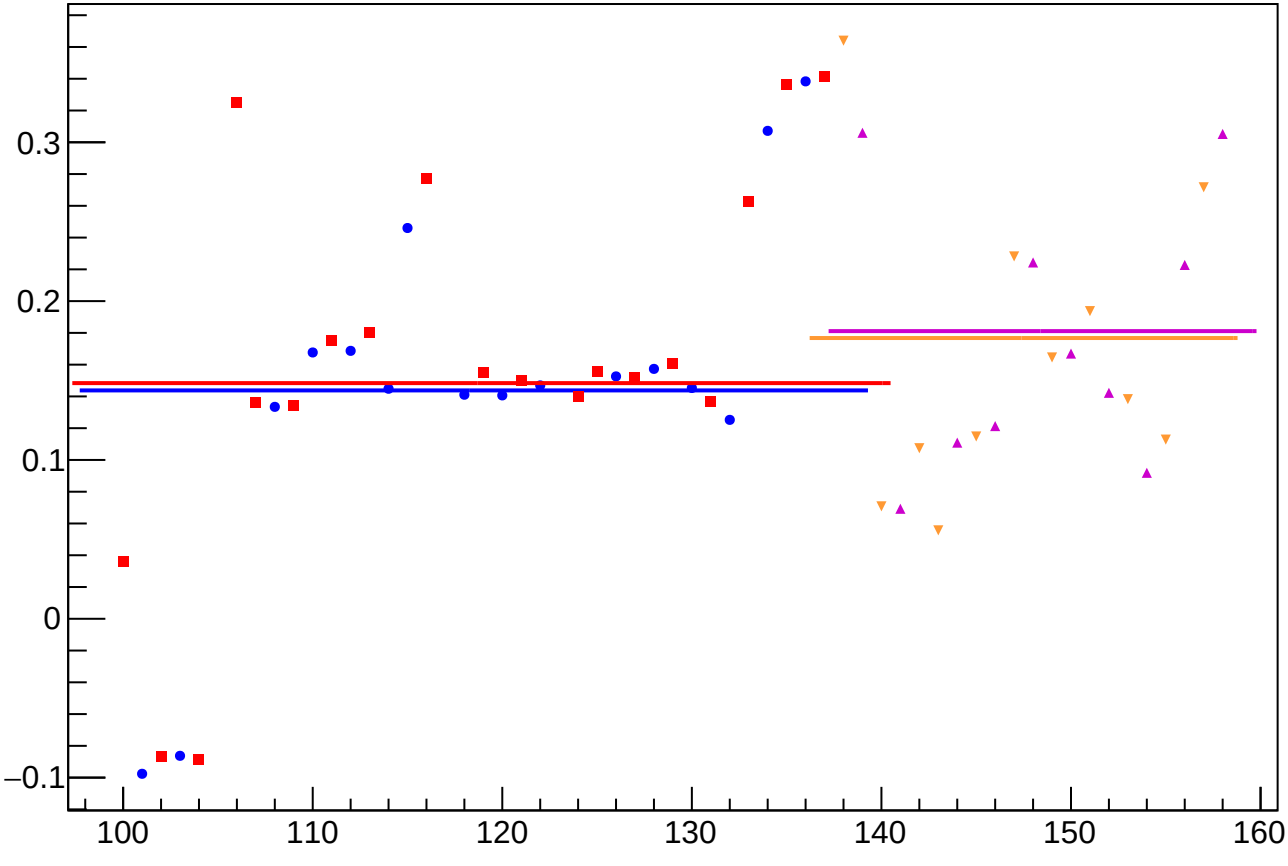
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:221754.3/25

Out: 0.011+/-0.000 χ^2/NDF:324853.3/29

All: 0.011+/-0.000 χ^2/NDF: 554044.1/55

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.177+/-0.000 χ^2/NDF:5285137955.9/10

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.181+/-0.000 χ^2/NDF:4358537488.7/9

Left: 0.179+/-0.000 χ^2/NDF: 9649963287.5/20

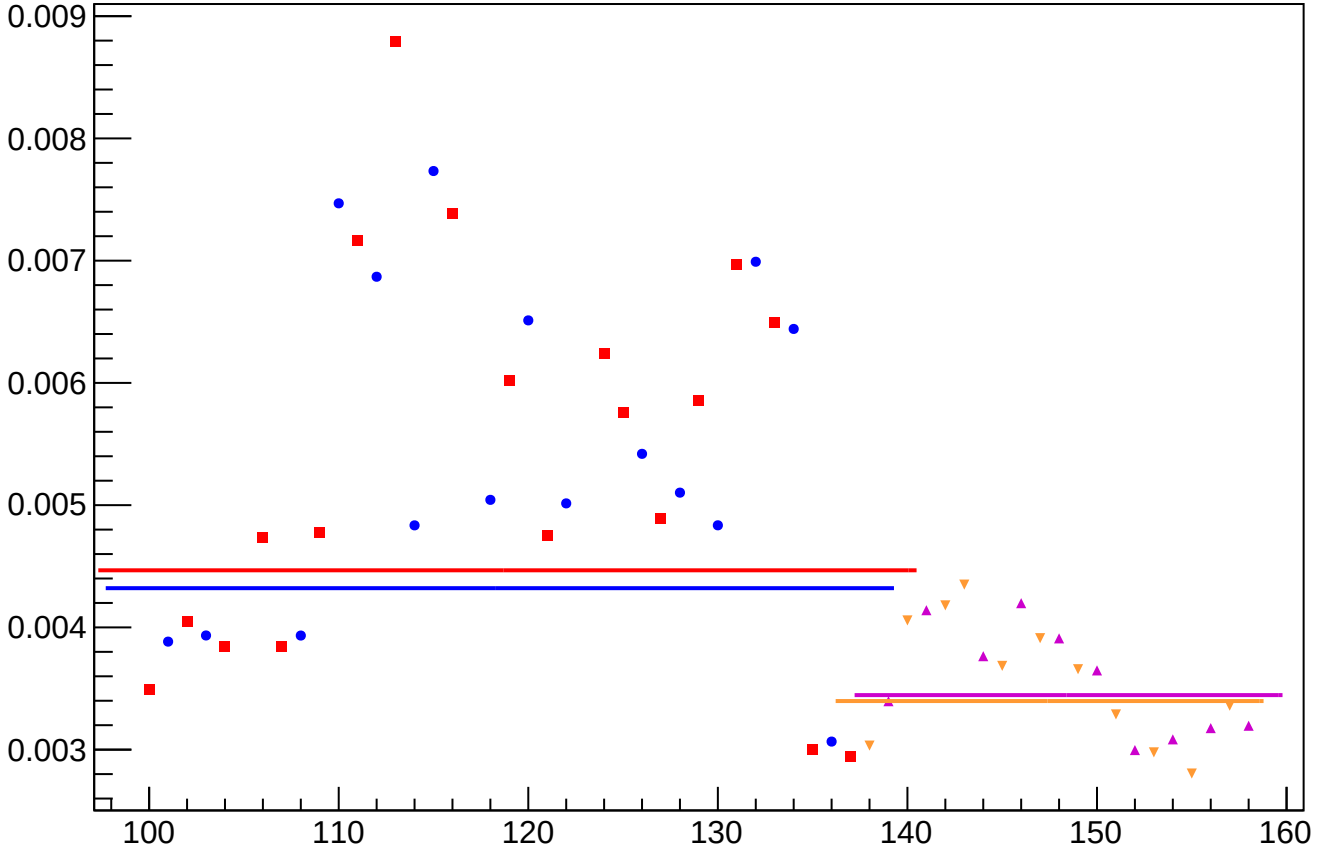
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.169+/-0.000 χ^2/NDF:12517492676.1/25

Out: 0.168+/-0.000 χ^2/NDF:12579589343.1/29

All: 0.169+/-0.000 χ^2/NDF: 25097806497.2/5

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:298618.4/10

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:209656.0/9

Left: 0.003+/-0.000 χ^2/NDF: 509842.9/20

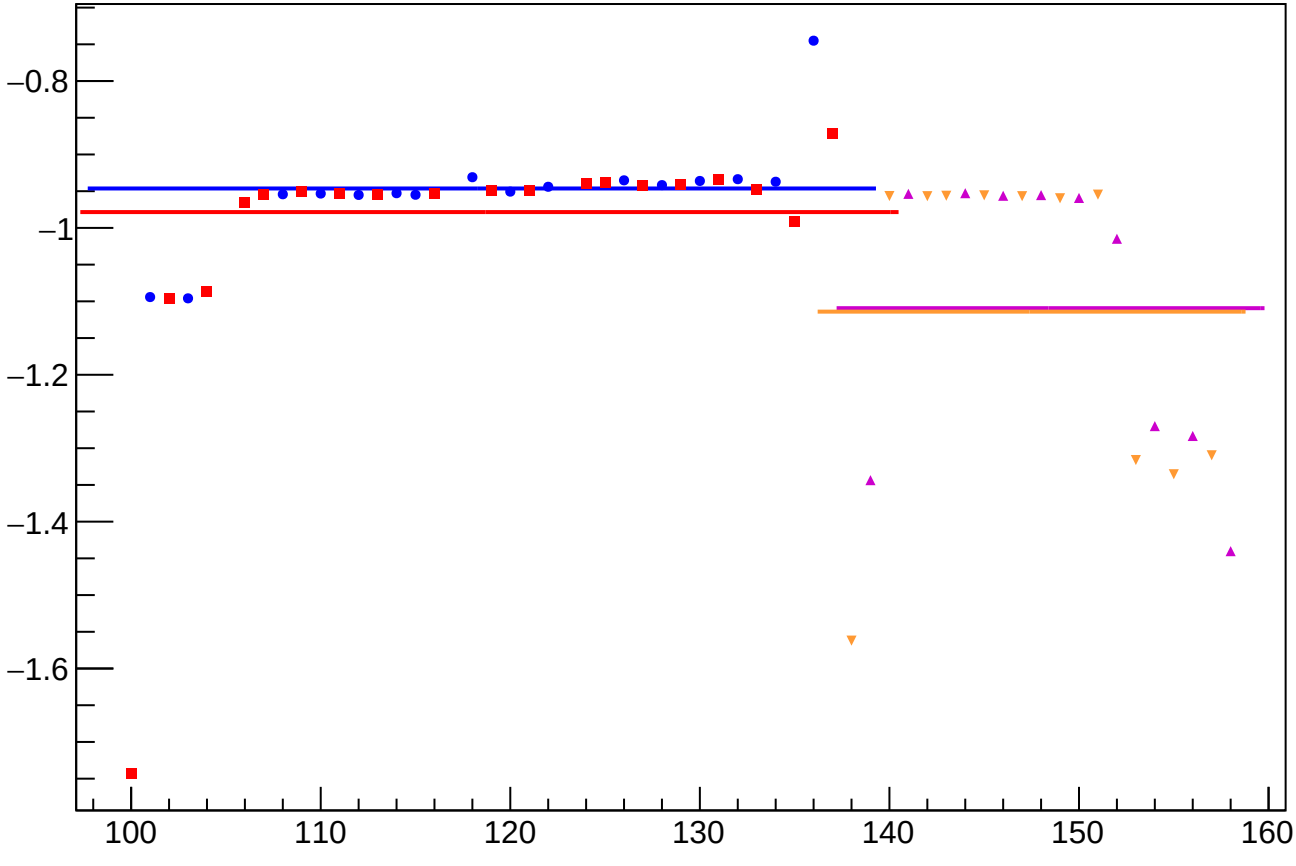
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1408185.8/25

Out: 0.004+/-0.000 χ^2/NDF:1855416.5/29

All: 0.004+/-0.000 χ^2/NDF: 3263608.8/55

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.114+/-0.000 χ^2/NDF:3197646835.0/10

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.109+/-0.000 χ^2/NDF:2567284198.1/9

Left: -1.112+/-0.000 χ^2/NDF: 5765749304.6/20

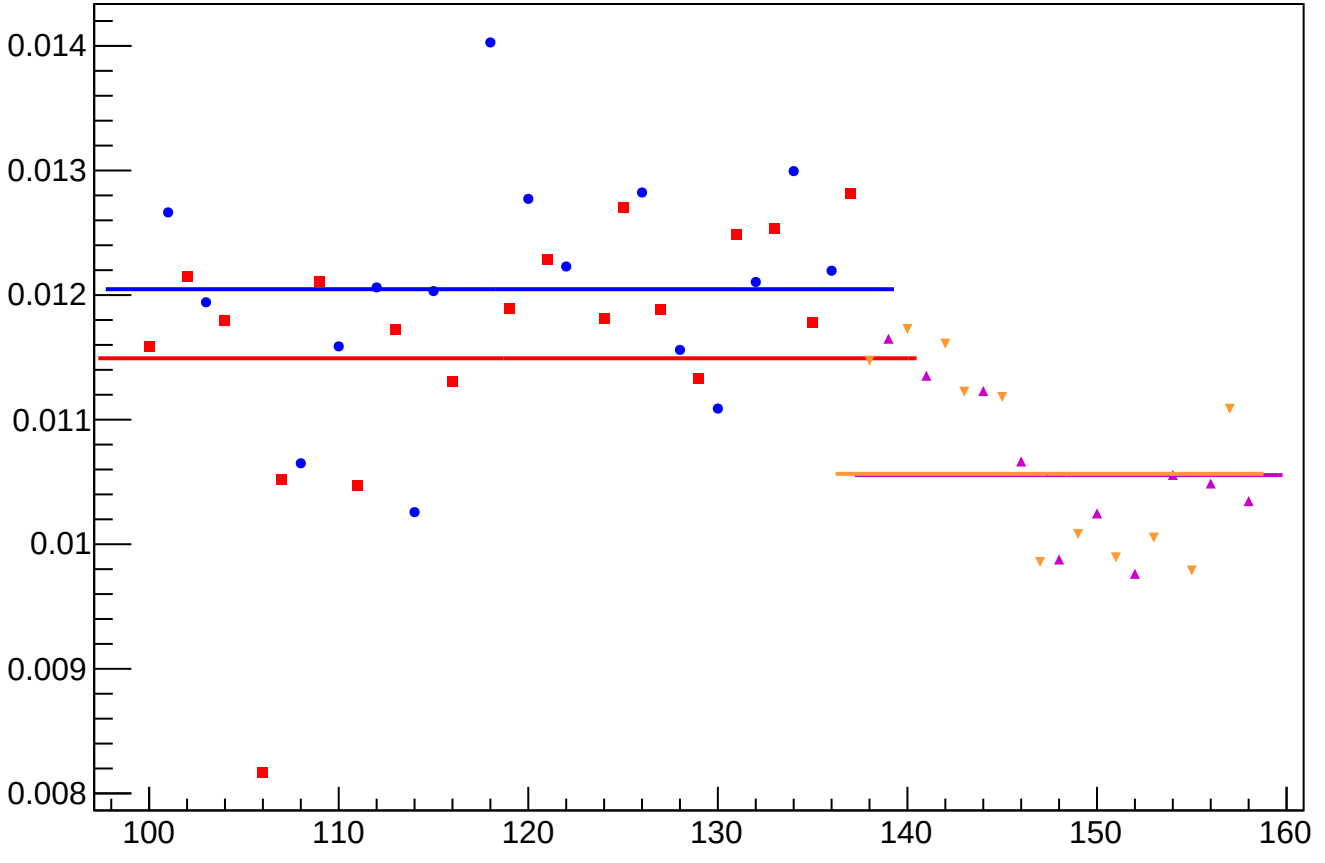
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.046+/-0.000 χ^2/NDF:3740600635.2/25

Out: -1.056+/-0.000 χ^2/NDF:4232206833.7/29

All: -1.051+/-0.000 χ^2/NDF: 7979729823.3/5

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:78057.4/10

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:49800.1/9

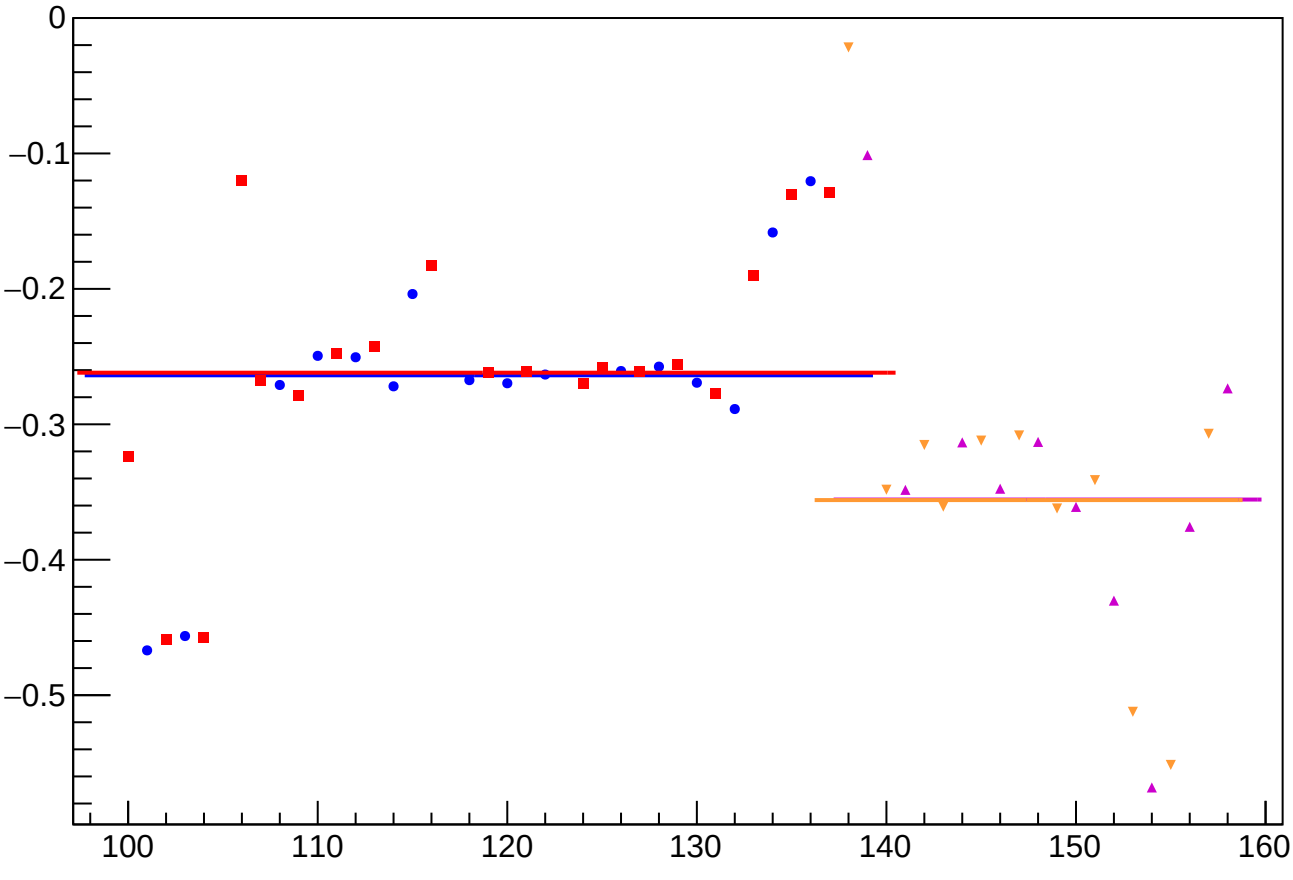
Left: 0.011+/-0.000 χ^2/NDF: 127864.7/20

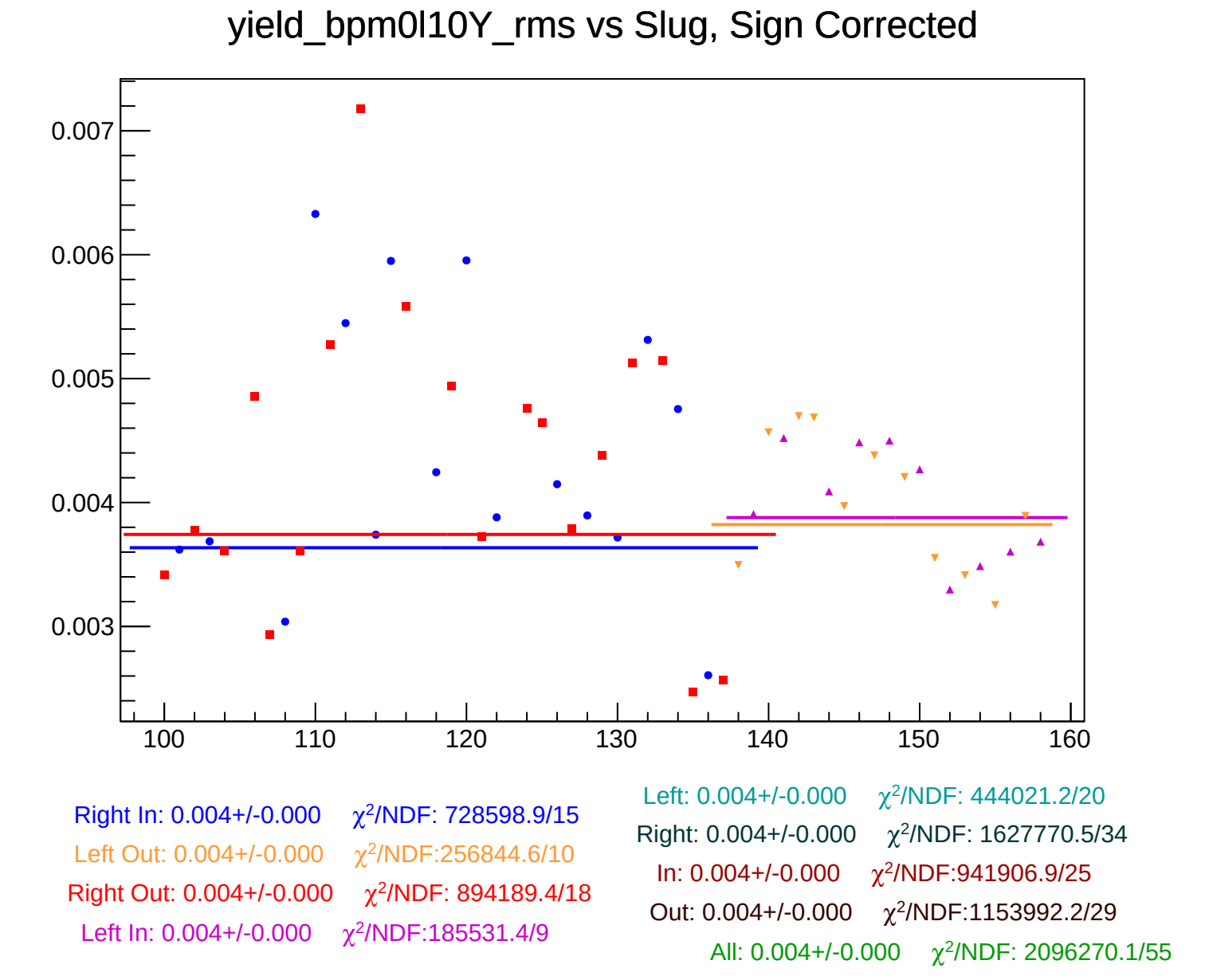
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:241087.7/25

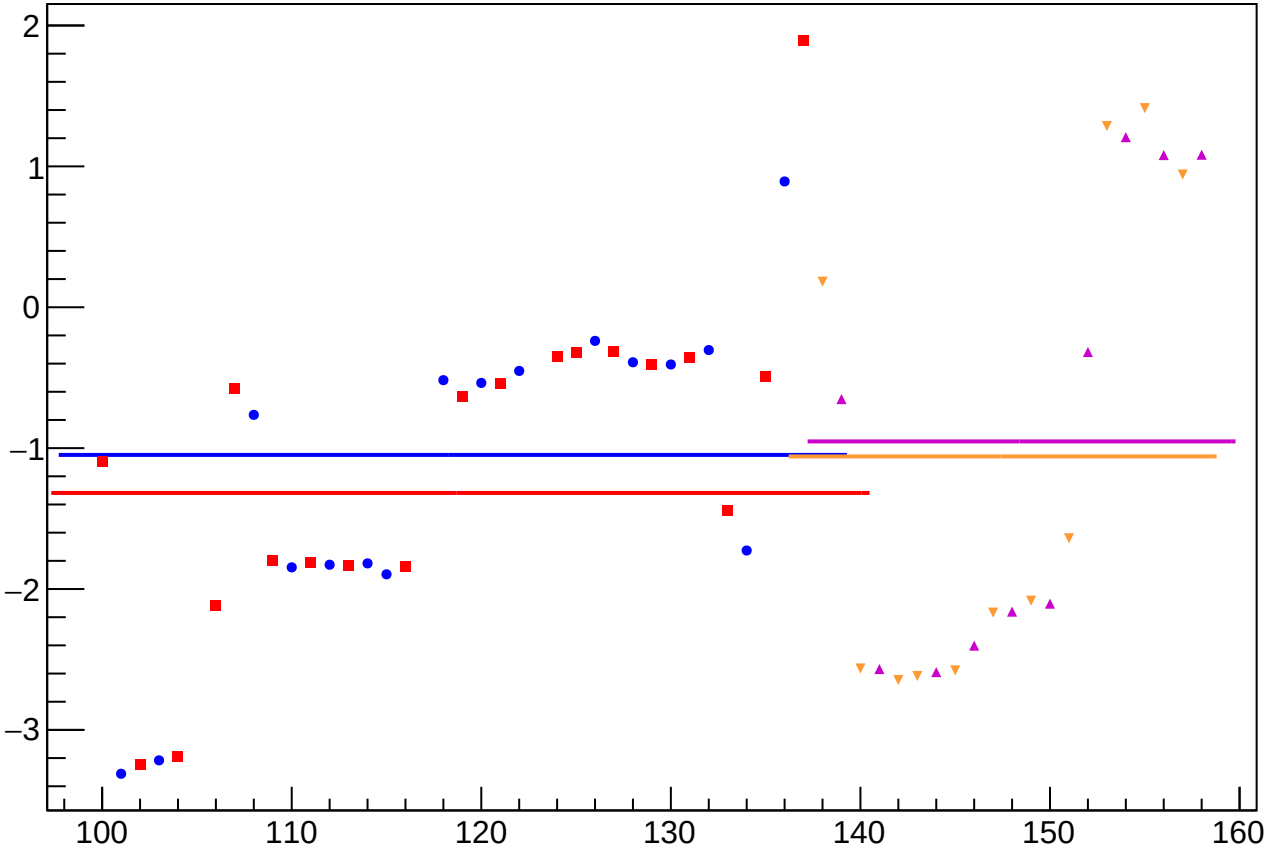
Out: 0.011+/-0.000 χ^2/NDF:283057.1/29

All: 0.011+/-0.000 χ^2/NDF: 528028.9/55


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.356+/-0.000 χ²/NDF:11123882438.9/10
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.356+/-0.000 χ²/NDF:7211998730.4/9
Left: -0.356+/-0.000 χ²/NDF: 18335920615.9/20
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.313+/-0.000 χ²/NDF:15295411896.9/25
Out: -0.313+/-0.000 χ²/NDF:18453795775.6/29
All: -0.313+/-0.000 χ²/NDF: 33749219731.2/


yield_bpm0l10Y_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
Right In: 0.004+/-0.000 χ²/NDF: 728598.9/15
Left Out: 0.004+/-0.000 χ²/NDF:256844.6/10
Right Out: 0.004+/-0.000 χ²/NDF: 894189.4/18
Left In: 0.004+/-0.000 χ²/NDF:185531.4/9
Left: 0.004+/-0.000 χ²/NDF: 444021.2/20
Right: 0.004+/-0.000 χ²/NDF: 1627770.5/34
In: 0.004+/-0.000 χ²/NDF:941906.9/25
Out: 0.004+/-0.000 χ²/NDF:1153992.2/29
All: 0.004+/-0.000 χ²/NDF: 2096270.1/55

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.059+/-0.000 χ^2/NDF:4008800456.9/10

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.952+/-0.000 χ^2/NDF:3537208731.1/9

Left: -1.006+/-0.000 χ^2/NDF: 7554534092.8/20

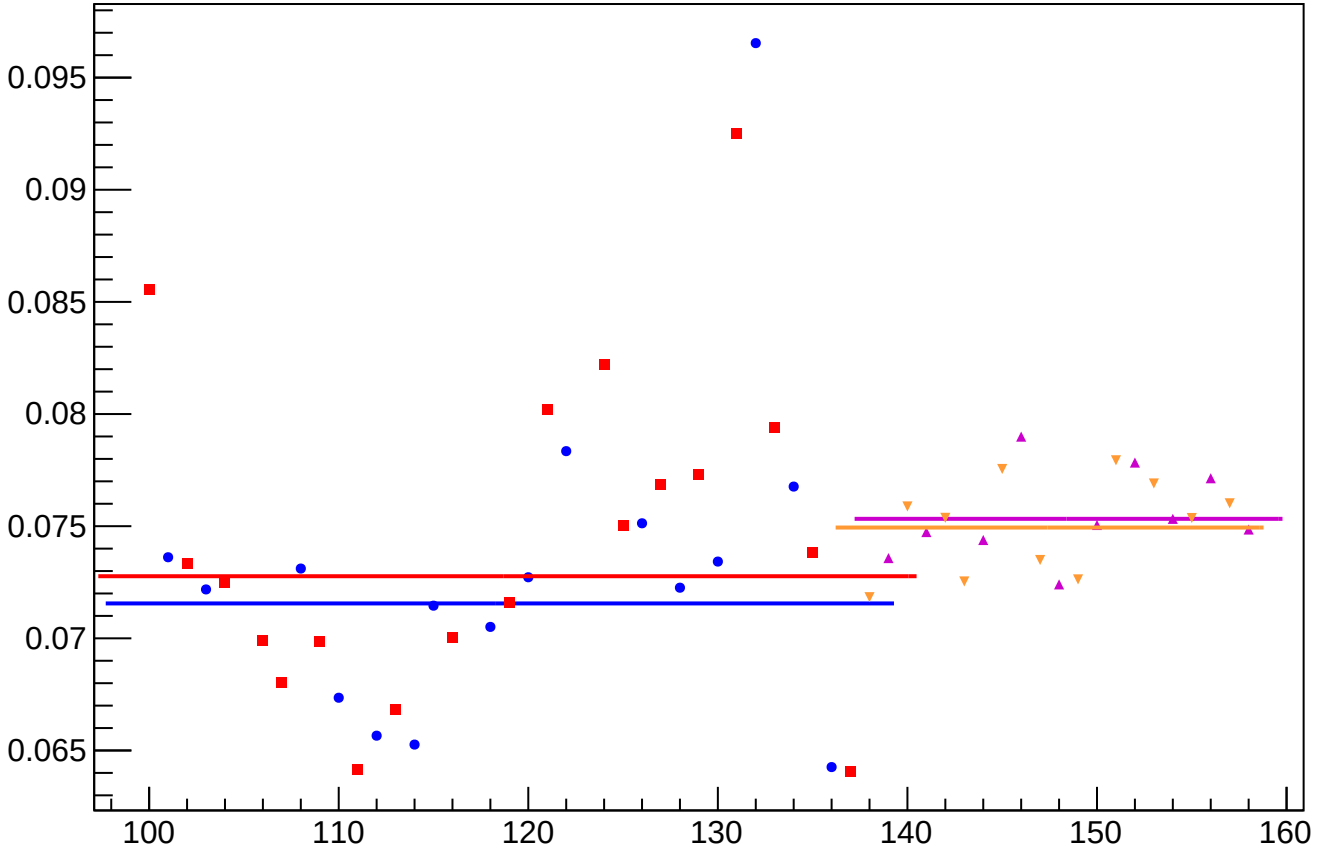
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.998+/-0.000 χ^2/NDF:5890800357.0/25

Out: -1.182+/-0.000 χ^2/NDF:5905178253.1/29

All: -1.090+/-0.000 χ^2/NDF: 11844662070.4/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:12882.9/10

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:10292.8/9

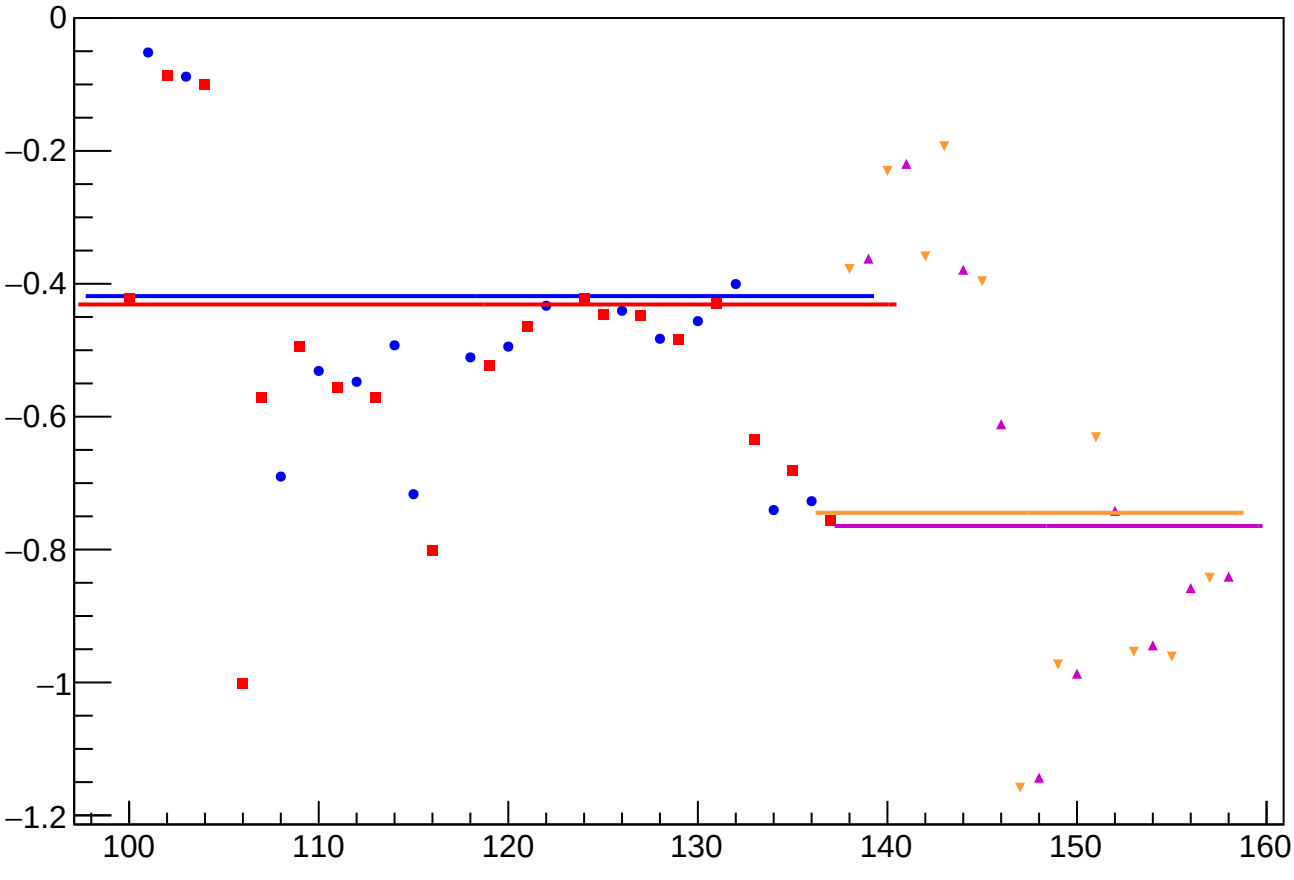
Left: 0.075+/-0.000 χ^2/NDF: 23402.1/20

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:131874.7/25

Out: 0.074+/-0.000 χ^2/NDF:116532.6/29

All: 0.074+/-0.000 χ^2/NDF: 248825.5/55



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.745+/-0.000 χ^2/NDF:12973673709.2/10

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.764+/-0.000 χ^2/NDF:9953486517.5/9

Left: -0.755+/-0.000 χ^2/NDF: 22957436119.3/20

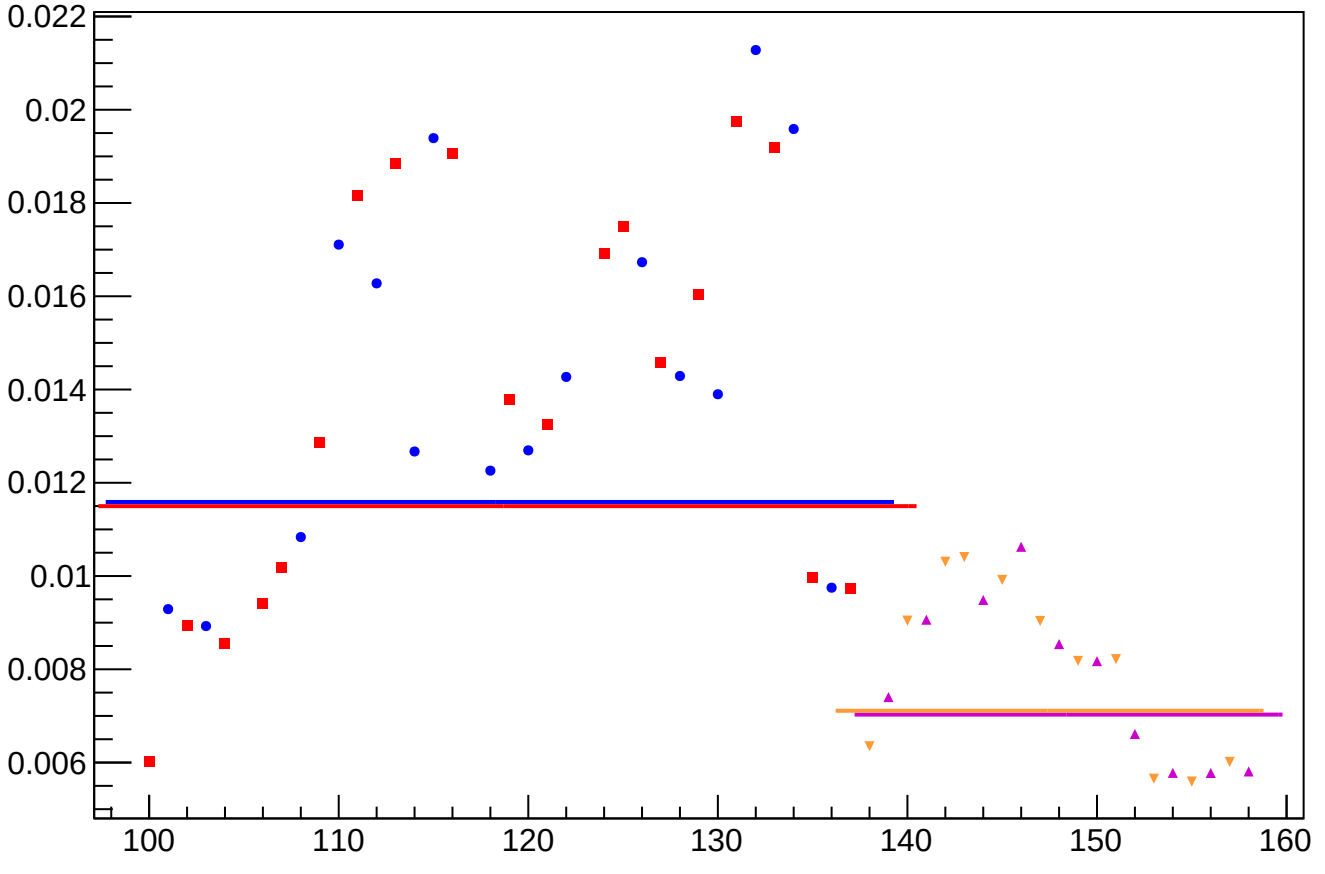
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.688+/-0.000 χ^2/NDF:17162064736.9/25

Out: -0.672+/-0.000 χ^2/NDF:19597181275.4/29

All: -0.680+/-0.000 χ^2/NDF: 36785371200.2/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:825109.9/10

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:681394.9/9

Left: 0.007+/-0.000 χ^2/NDF: 1507531.3/20

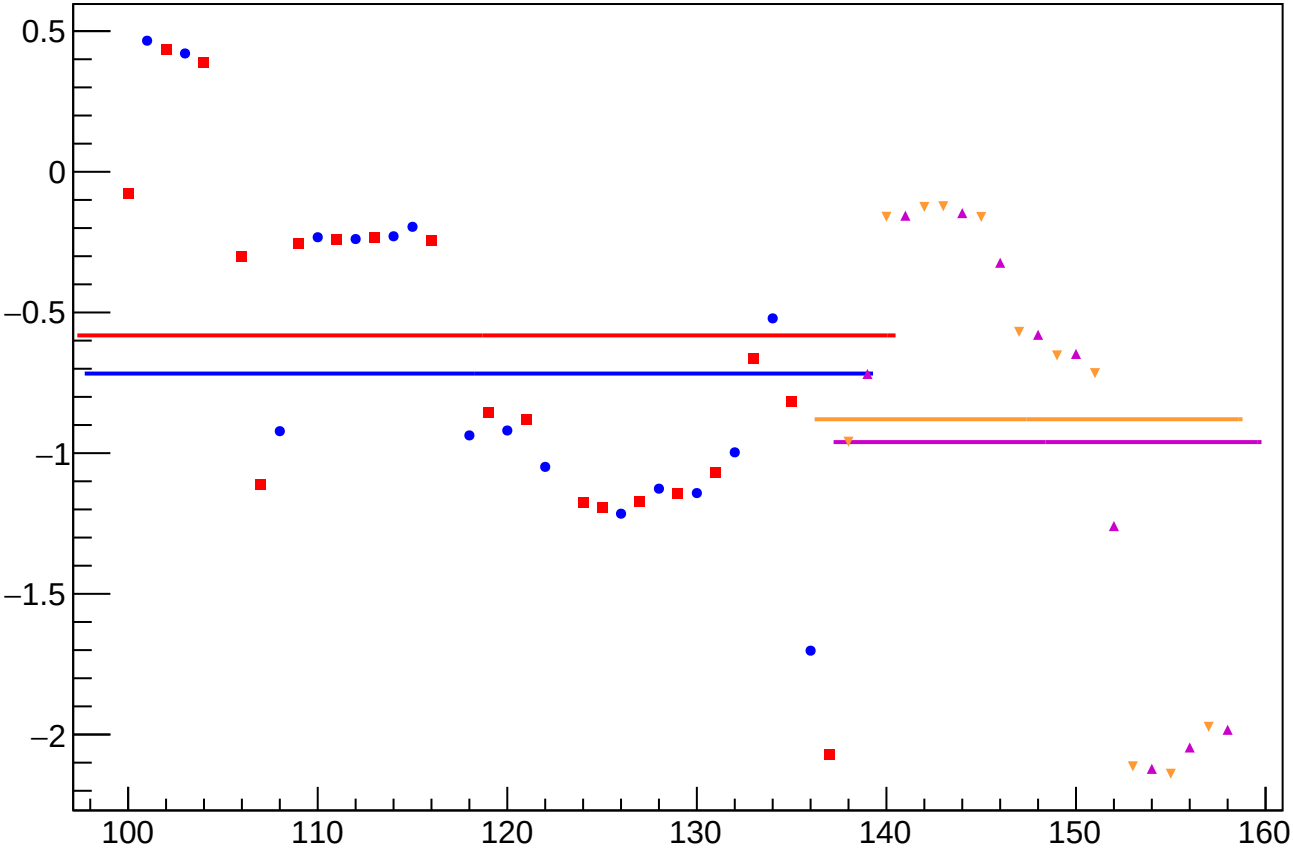
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.008+/-0.000 χ^2/NDF:2905092.4/25

Out: 0.008+/-0.000 χ^2/NDF:3332506.3/29

All: 0.008+/-0.000 χ^2/NDF: 6239321.4/55

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.880+/-0.000 χ^2/NDF:697667900.7/10

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.961+/-0.000 χ^2/NDF:657247158.5/9

Left: -0.920+/-0.000 χ^2/NDF: 1358801236.5/20

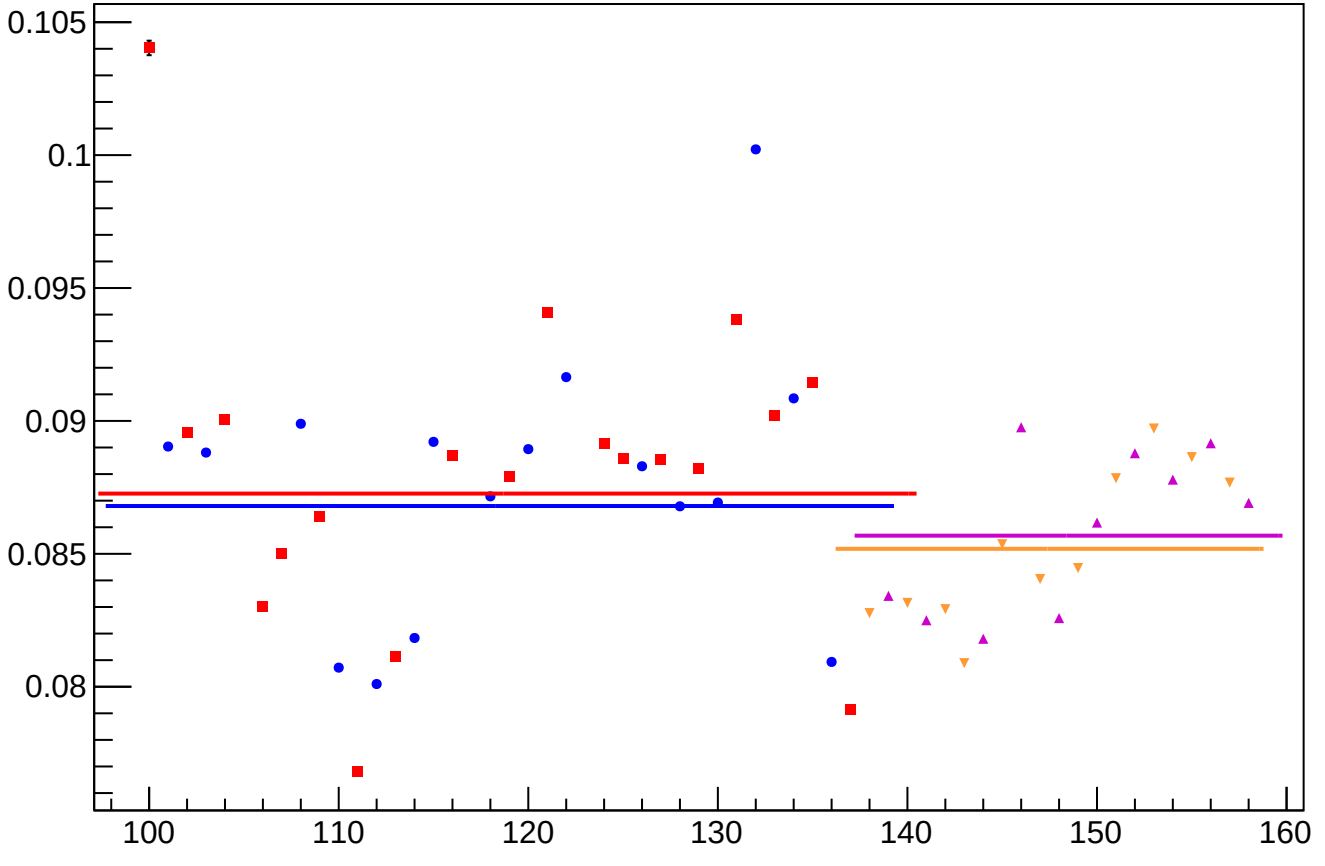
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.852+/-0.000 χ^2/NDF:1125867483.5/25

Out: -0.745+/-0.000 χ^2/NDF:1087342216.9/29

All: -0.798+/-0.000 χ^2/NDF: 2225406772.9/5

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:17489.8/10

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:19786.2/9

Left: 0.085+/-0.000 χ^2/NDF: 37566.1/20

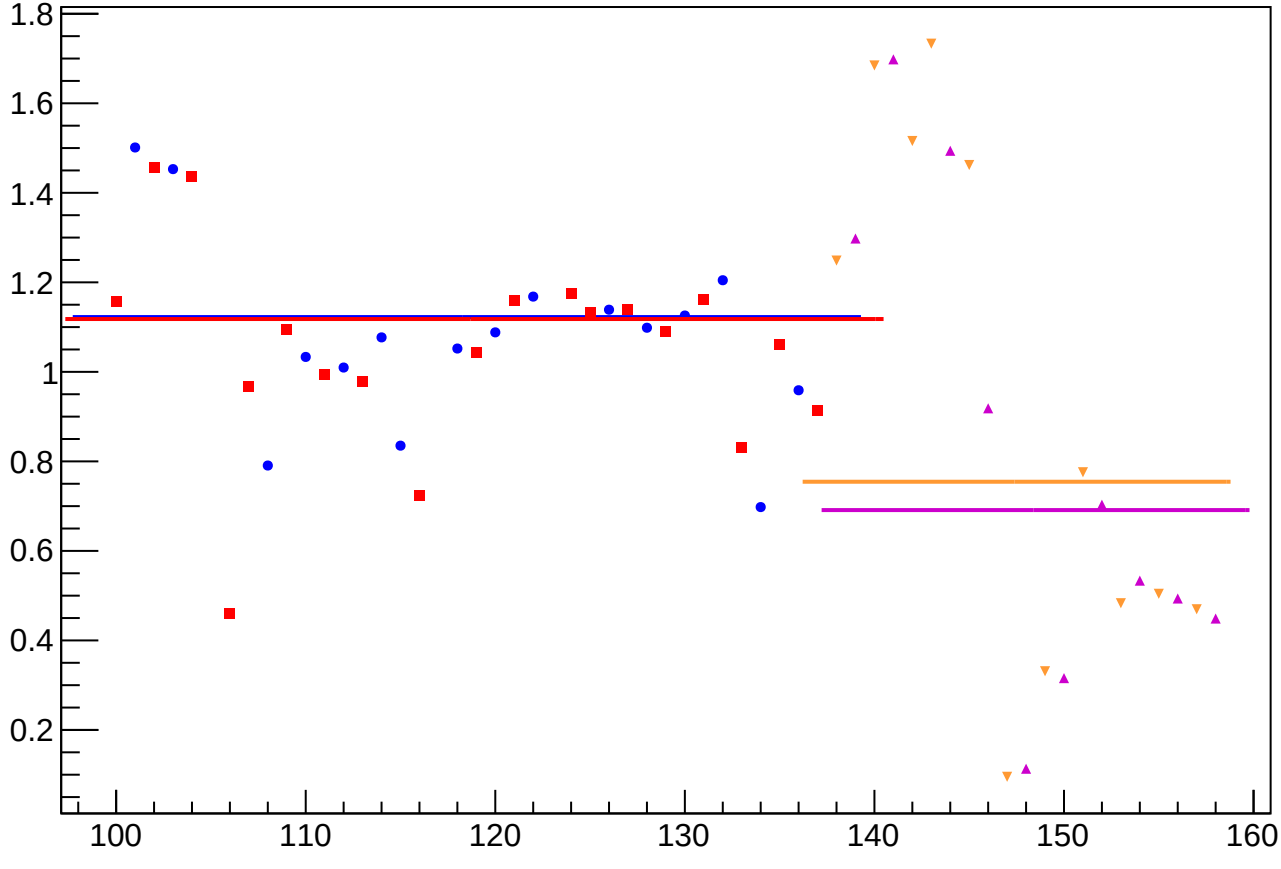
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:64669.4/25

Out: 0.086+/-0.000 χ^2/NDF:68284.8/29

All: 0.086+/-0.000 χ^2/NDF: 132961.0/55

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.755+/-0.000 χ^2/NDF:25123179069.6/10

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.691+/-0.000 χ^2/NDF:20639281889.5/9

Left: 0.722+/-0.000 χ^2/NDF: 45982171962.1/20

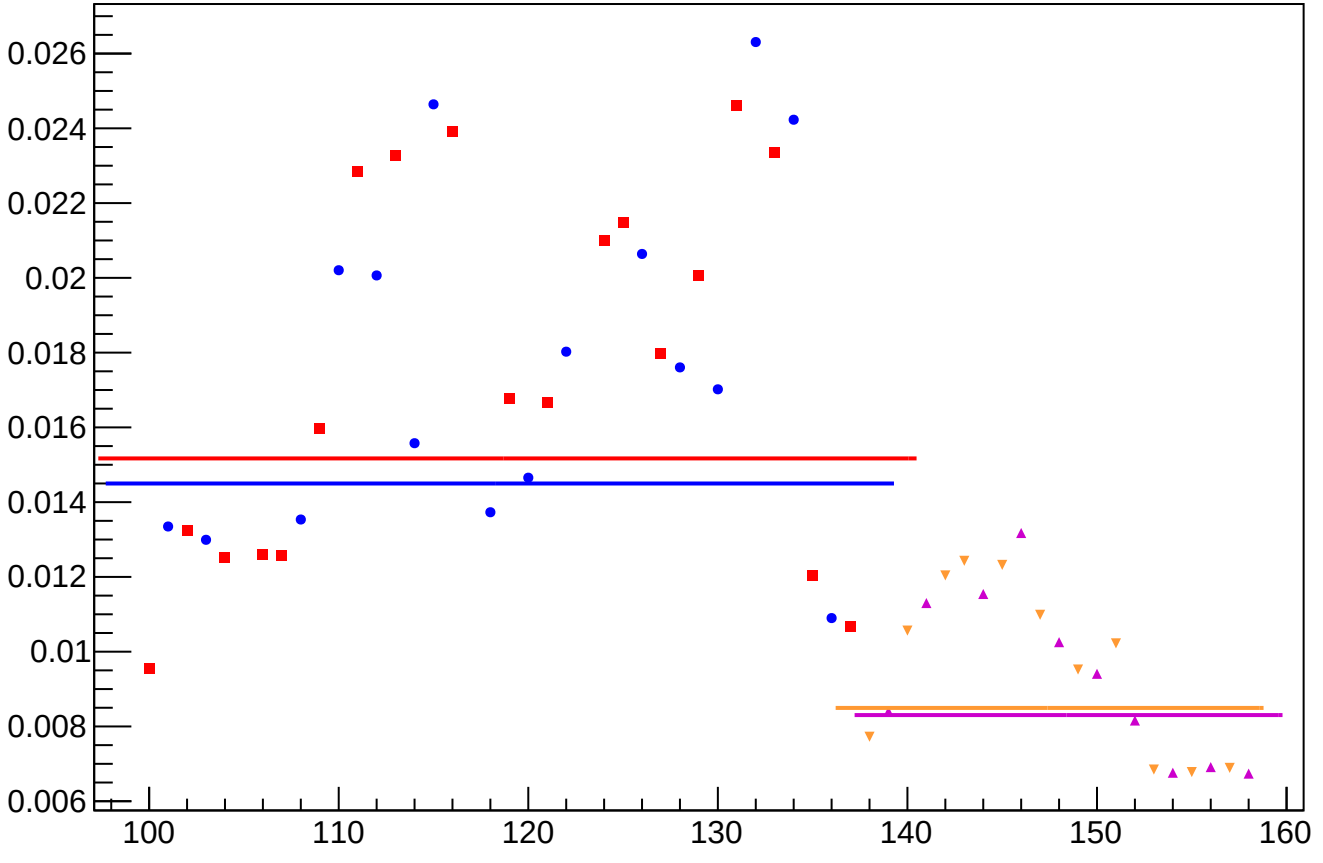
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.778+/-0.000 χ^2/NDF:26310353561.3/25

Out: 0.827+/-0.000 χ^2/NDF:29511964464.1/29

All: 0.802+/-0.000 χ^2/NDF: 55987728308.0/5

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:853162.3/10

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:773957.3/9

Left: 0.008+/-0.000 χ^2/NDF: 1631126.4/20

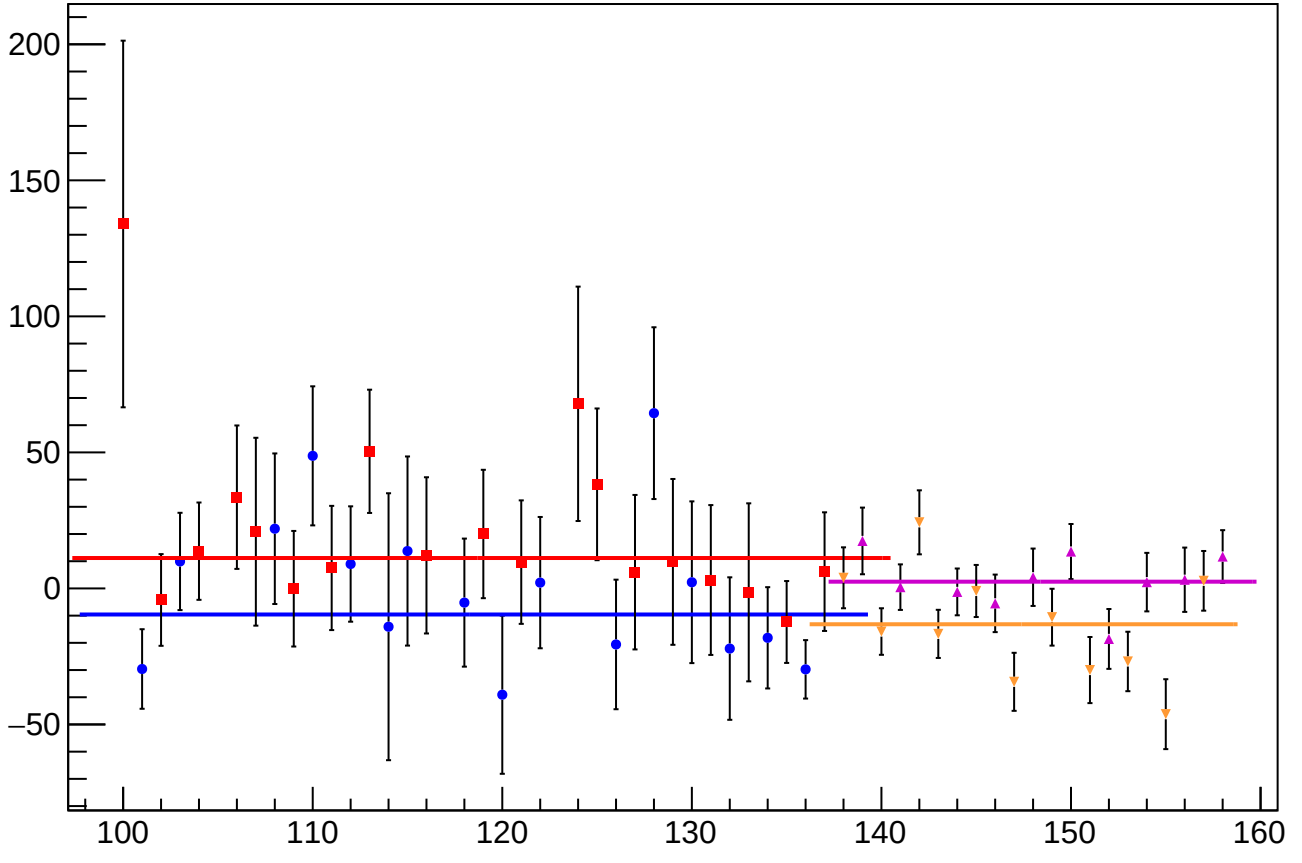
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.010+/-0.000 χ^2/NDF:3225044.2/25

Out: 0.010+/-0.000 χ^2/NDF:3617984.0/29

All: 0.010+/-0.000 χ^2/NDF: 6853571.3/55

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -13.170+/-3.162 χ^2/NDF:30.6/10

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 2.477+/-3.213 χ^2/NDF:8.1/9

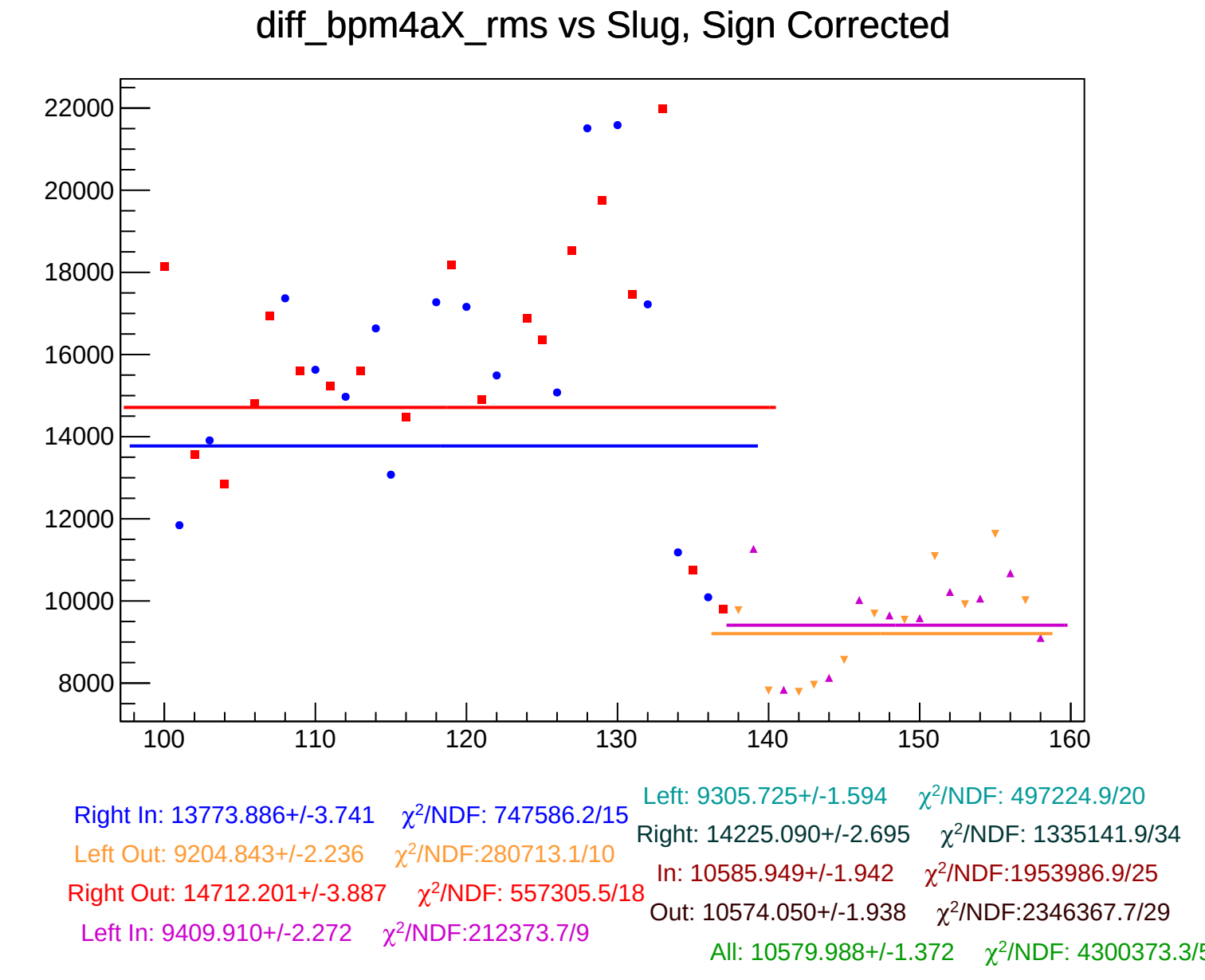
Left: -5.473+/-2.254 χ^2/NDF: 50.7/20

Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

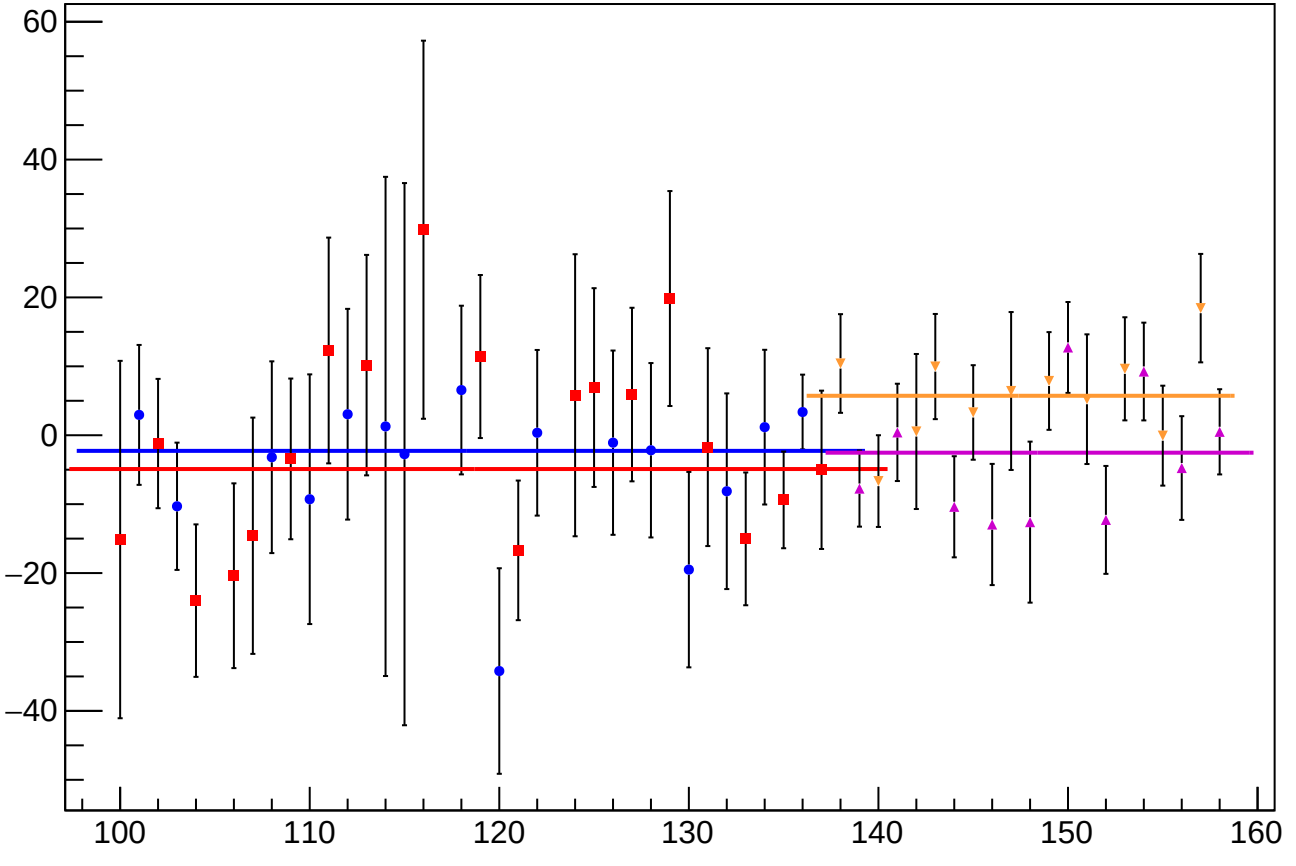
In: -0.772+/-2.747 χ^2/NDF:33.8/25

Out: -7.117+/-2.741 χ^2/NDF:59.2/29

All: -3.951+/-1.940 χ^2/NDF: 95.7/55


diff_bpm4aX_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13773.886+/-3.741 χ²/NDF: 747586.2/15
Left Out: 9204.843+/-2.236 χ²/NDF:280713.1/10
Right Out: 14712.201+/-3.887 χ²/NDF: 557305.5/18
Left In: 9409.910+/-2.272 χ²/NDF:212373.7/9
Left: 9305.725+/-1.594 χ²/NDF: 497224.9/20
Right: 14225.090+/-2.695 χ²/NDF: 1335141.9/34
In: 10585.949+/-1.942 χ²/NDF:1953986.9/25
Out: 10574.050+/-1.938 χ²/NDF:2346367.7/29
All: 10579.988+/-1.372 χ²/NDF: 4300373.3/5

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.726+/-2.355 χ^2/NDF:8.2/10

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -2.533+/-2.266 χ^2/NDF:14.4/9

Left: 1.438+/-1.633 χ^2/NDF: 28.9/20

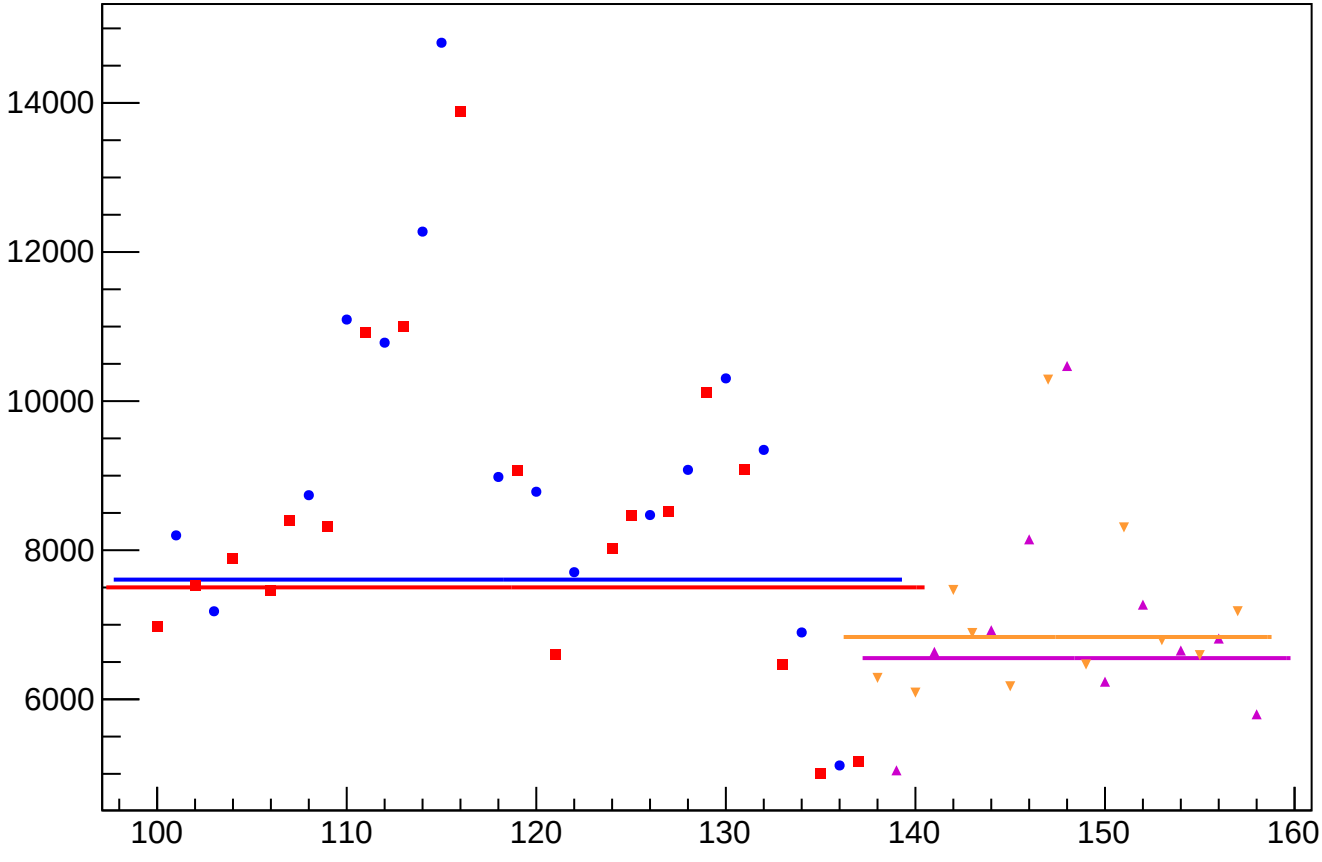
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.433+/-1.791 χ^2/NDF:23.7/25

Out: 1.387+/-1.812 χ^2/NDF:34.0/29

All: -0.545+/-1.274 χ^2/NDF: 59.9/55

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6835.891+/-1.665 χ^2/NDF:303854.1/10

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6552.503+/-1.602 χ^2/NDF:498750.8/9

Left: 6688.738+/-1.155 χ^2/NDF: 817639.1/20

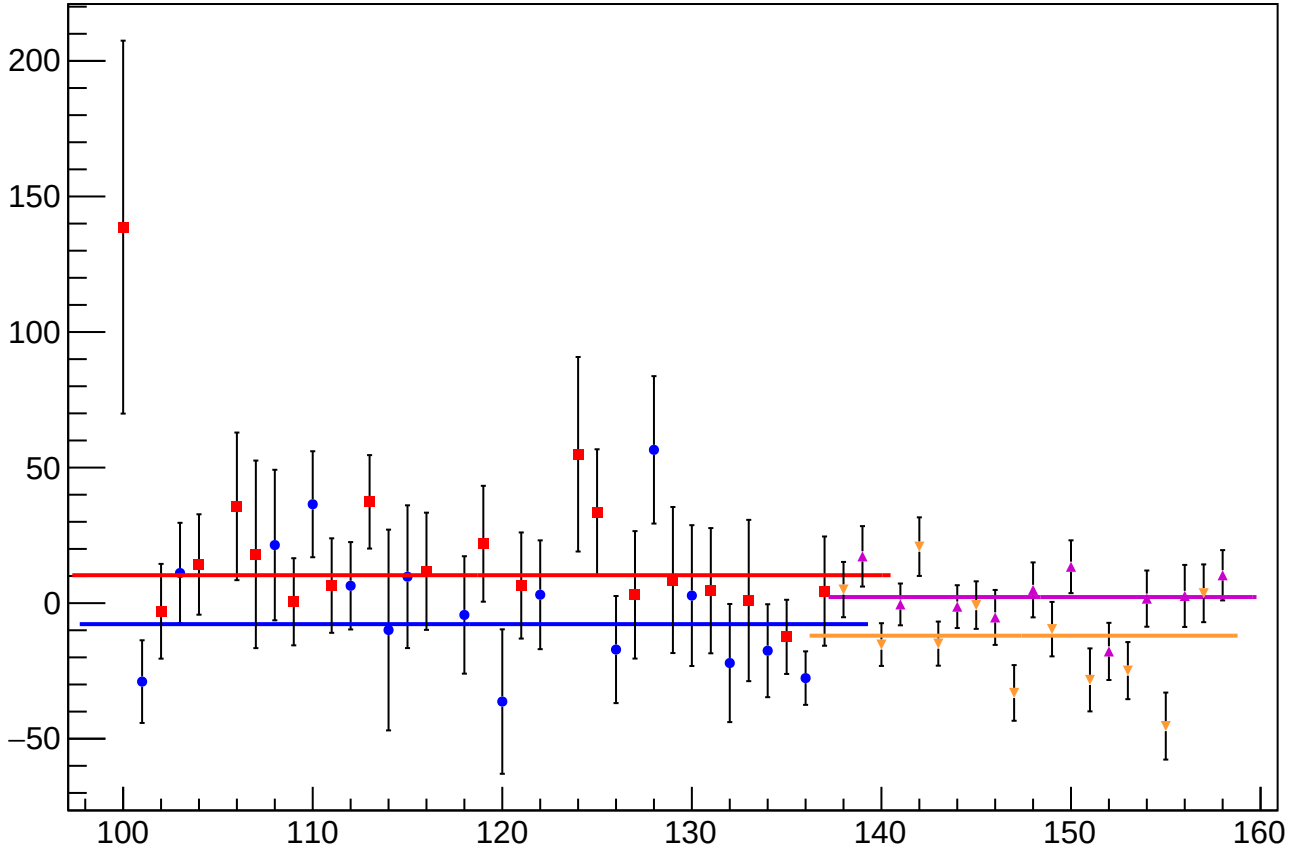
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6948.076+/-1.266 χ^2/NDF:1552480.2/25

Out: 7107.606+/-1.281 χ^2/NDF:1192615.8/29

All: 7026.906+/-0.901 χ^2/NDF: 2752938.8/55

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.998+/-2.967 χ^2/NDF:31.2/10

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 2.249+/-3.036 χ^2/NDF:8.5/9

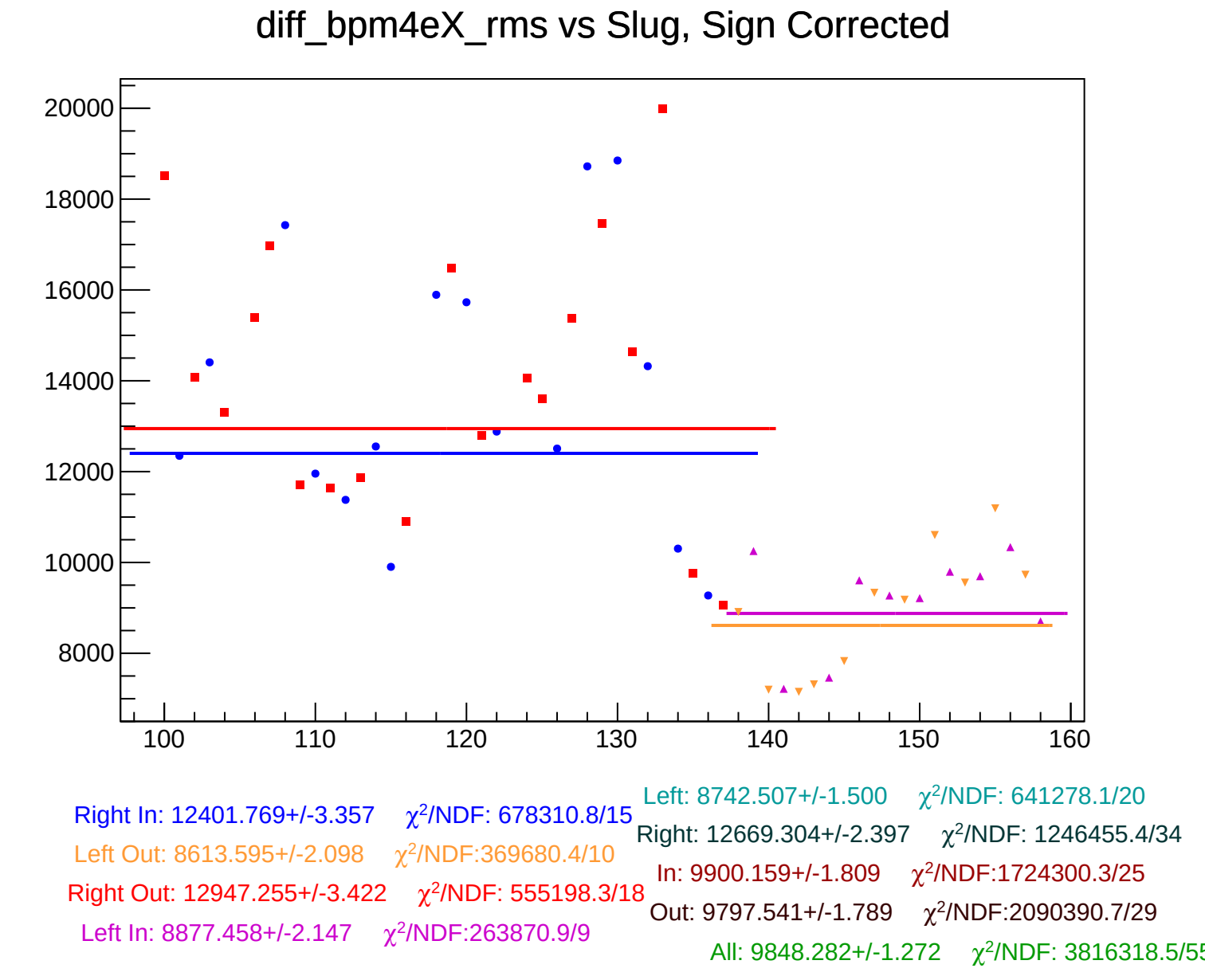
Left: -5.037+/-2.122 χ^2/NDF: 50.9/20

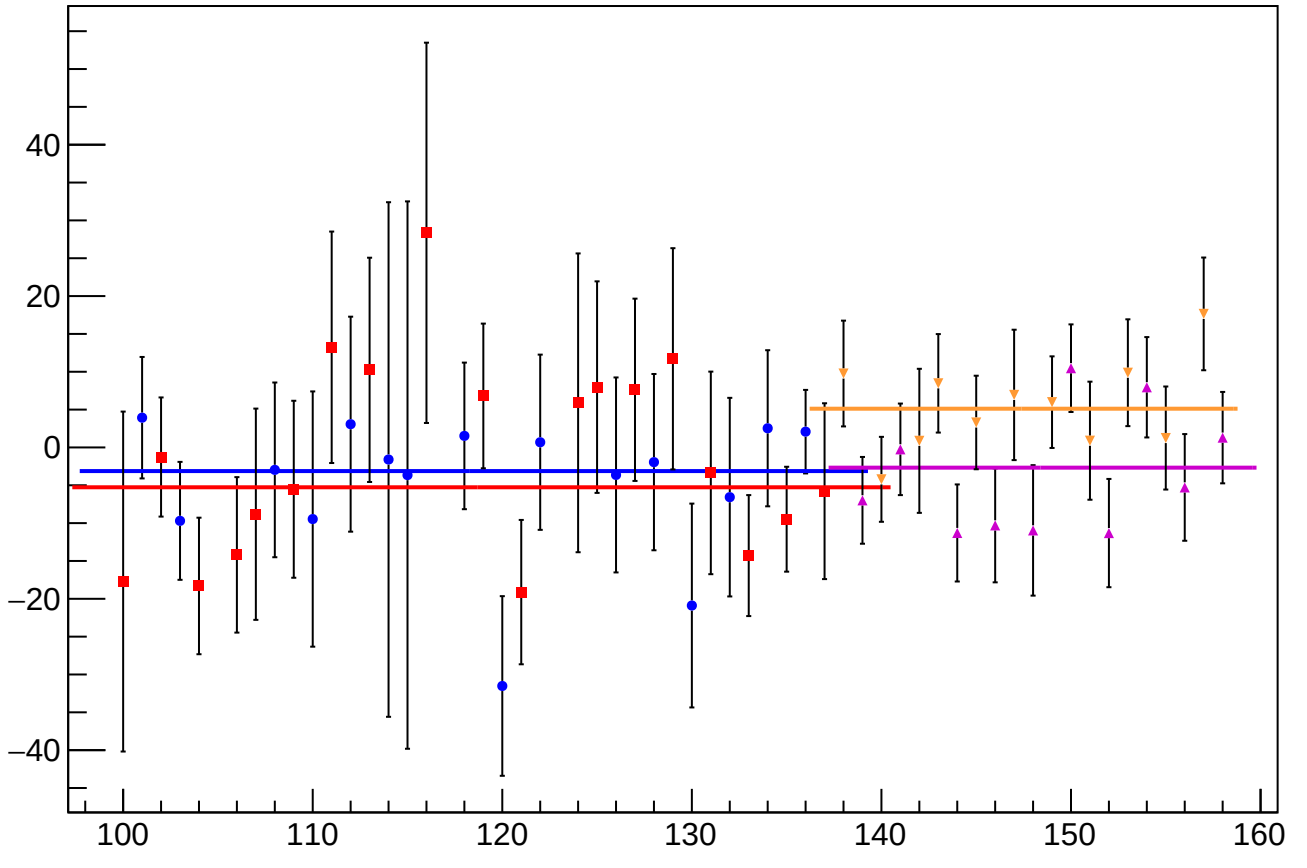
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

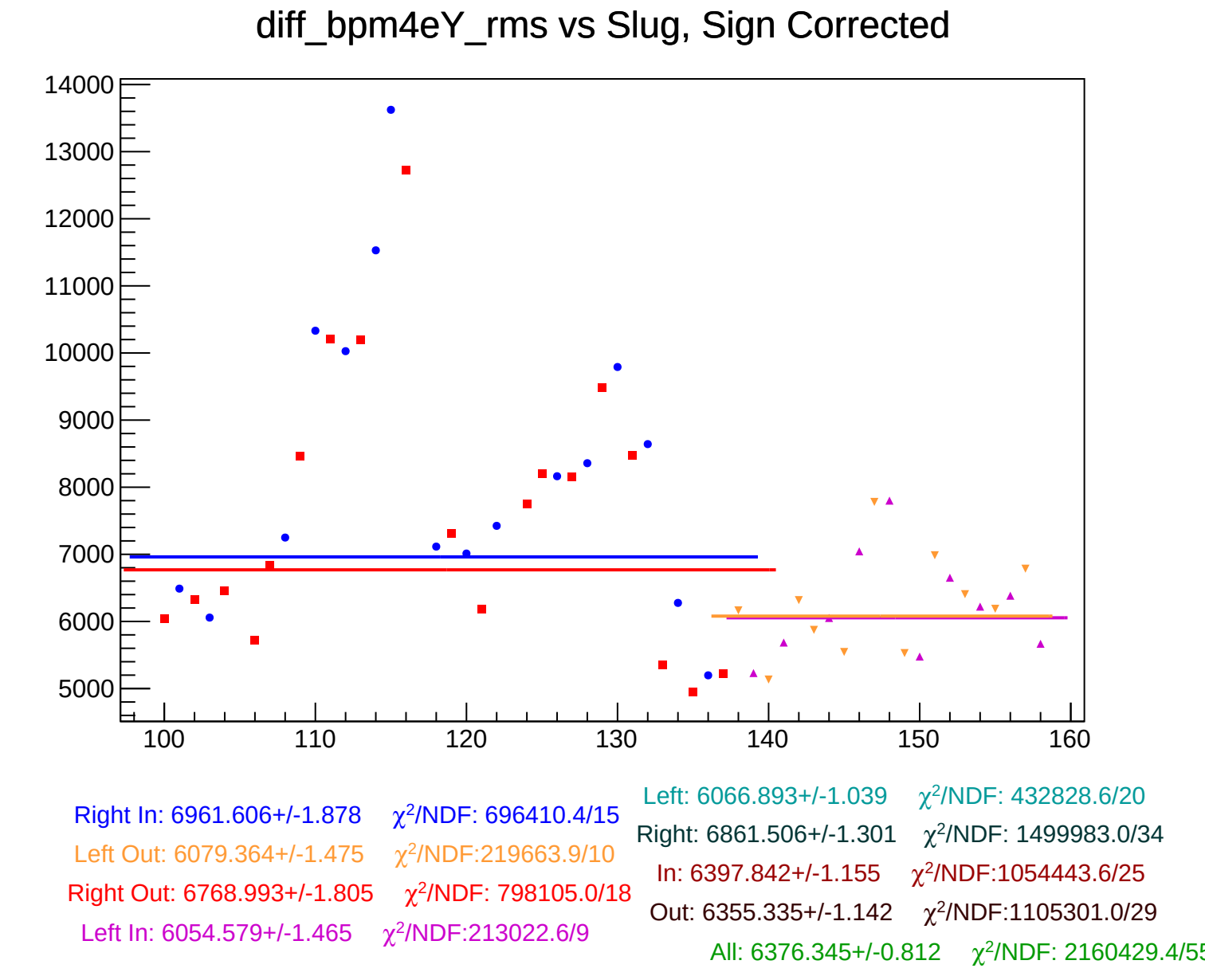
In: -0.650+/-2.558 χ^2/NDF:34.3/25

Out: -5.904+/-2.530 χ^2/NDF:60.5/29

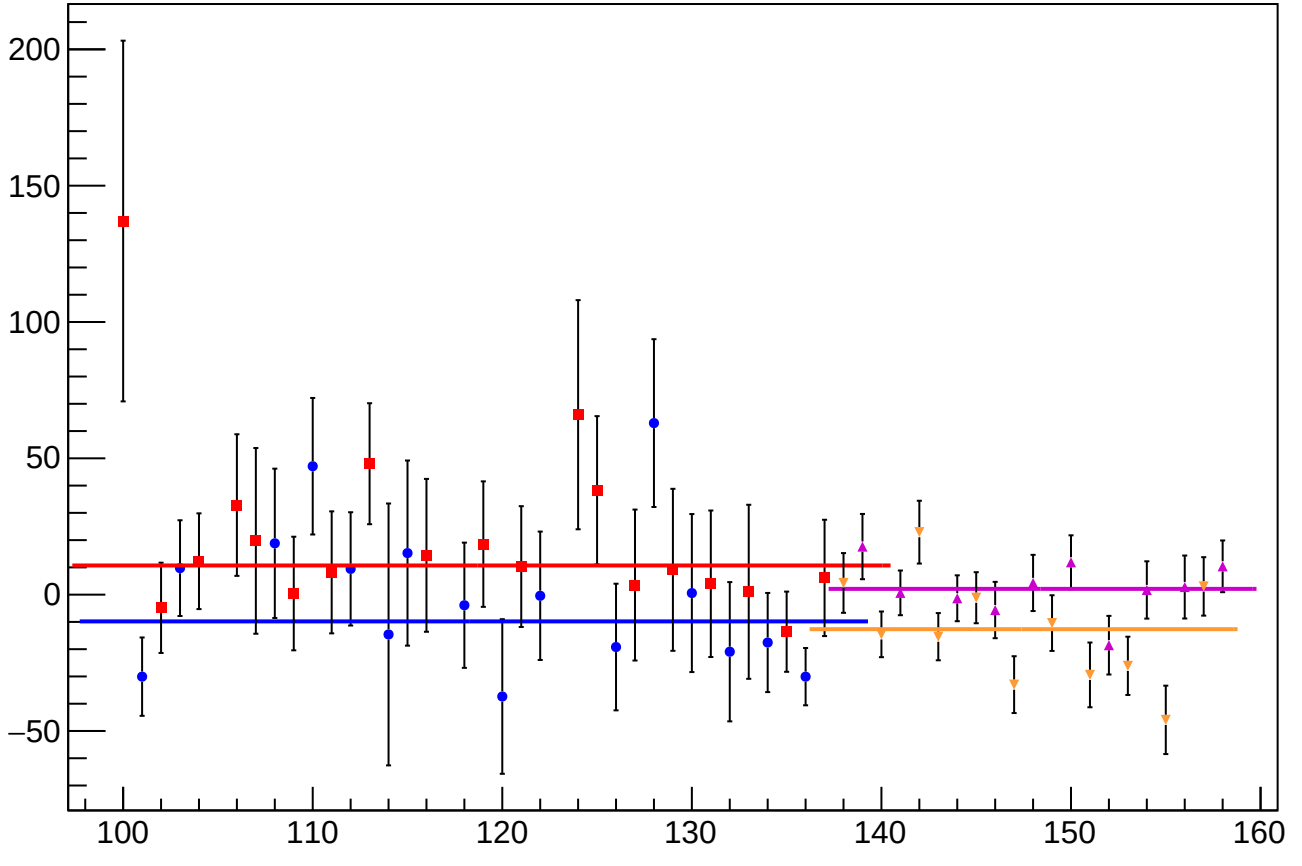
All: -3.306+/-1.799 χ^2/NDF: 96.9/55


diff_bpm4eX_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 12401.769+/-3.357 χ²/NDF: 678310.8/15
Left Out: 8613.595+/-2.098 χ²/NDF:369680.4/10
Right Out: 12947.255+/-3.422 χ²/NDF: 555198.3/18
Left In: 8877.458+/-2.147 χ²/NDF:263870.9/9
Left: 8742.507+/-1.500 χ²/NDF: 641278.1/20
Right: 12669.304+/-2.397 χ²/NDF: 1246455.4/34
In: 9900.159+/-1.809 χ²/NDF:1724300.3/25
Out: 9797.541+/-1.789 χ²/NDF:2090390.7/29
All: 9848.282+/-1.272 χ²/NDF: 3816318.5/55


diff_bpm4eY_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: -3.123+/-2.656 χ²/NDF: 10.9/15
Left Out: 5.118+/-2.085 χ²/NDF:7.7/10
Right Out: -5.265+/-2.553 χ²/NDF: 16.9/18
Left In: -2.671+/-2.072 χ²/NDF:14.2/9
Left: 1.199+/-1.470 χ²/NDF: 29.0/20
Right: -4.236+/-1.840 χ²/NDF: 28.1/34
In: -2.842+/-1.634 χ²/NDF:25.2/25
Out: 0.963+/-1.615 χ²/NDF:34.6/29
All: -0.918+/-1.149 χ²/NDF: 62.5/55


diff_bpm4eY_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
Right In: 6961.606+/-1.878 χ²/NDF: 696410.4/15
Left Out: 6079.364+/-1.475 χ²/NDF:219663.9/10
Right Out: 6768.993+/-1.805 χ²/NDF: 798105.0/18
Left In: 6054.579+/-1.465 χ²/NDF:213022.6/9
Left: 6066.893+/-1.039 χ²/NDF: 432828.6/20
Right: 6861.506+/-1.301 χ²/NDF: 1499983.0/34
In: 6397.842+/-1.155 χ²/NDF:1054443.6/25
Out: 6355.335+/-1.142 χ²/NDF:1105301.0/29
All: 6376.345+/-0.812 χ²/NDF: 2160429.4/55

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -12.662+/-3.092 χ^2/NDF:30.2/10

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 2.120+/-3.142 χ^2/NDF:7.9/9

Left: -5.388+/-2.204 χ^2/NDF: 49.4/20

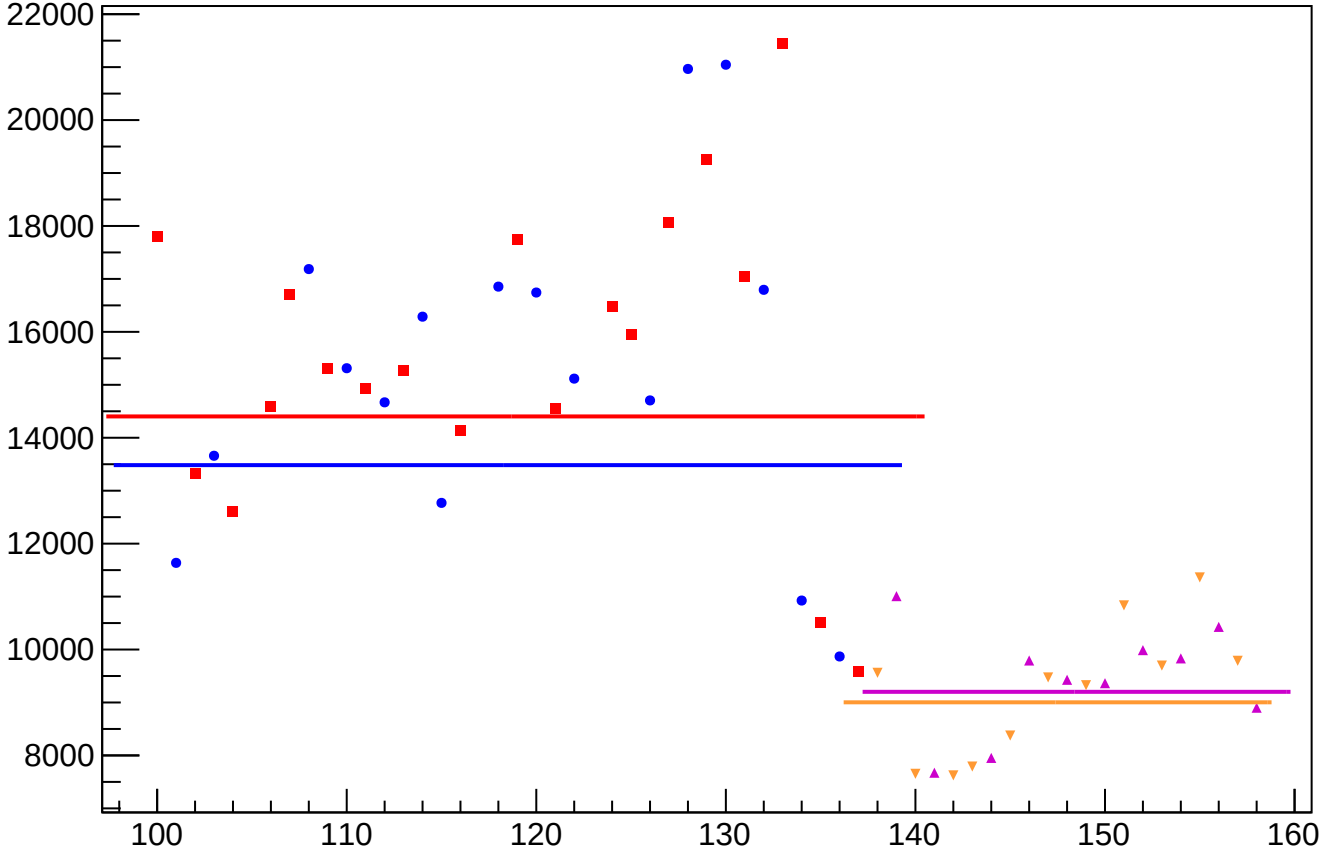
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.090+/-2.686 χ^2/NDF:33.8/25

Out: -6.861+/-2.681 χ^2/NDF:58.7/29

All: -3.981+/-1.898 χ^2/NDF: 94.9/55

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 9003.128+/-2.187 χ^2/NDF:277566.2/10

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 9201.307+/-2.222 χ^2/NDF:209678.5/9

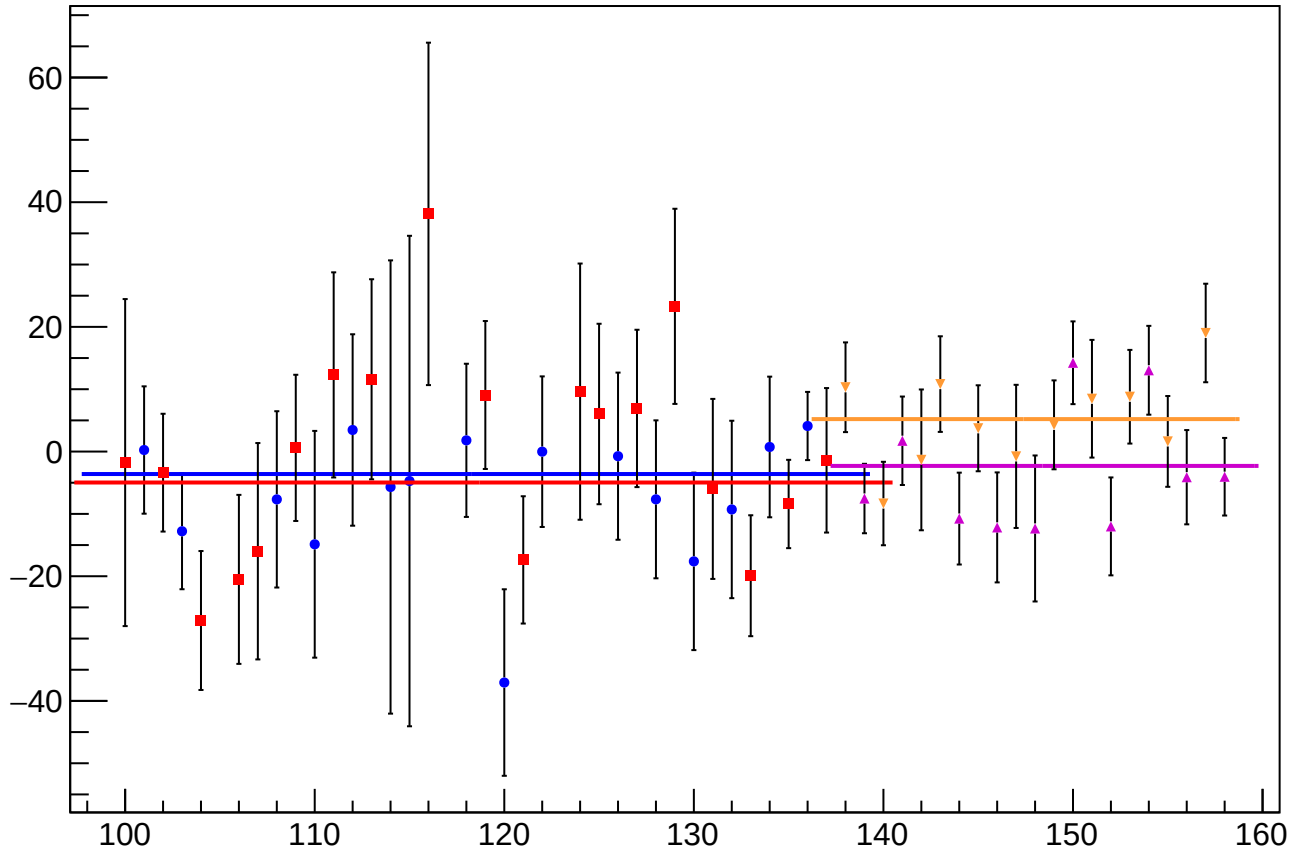
Left: 9100.642+/-1.558 χ^2/NDF: 491286.7/20

Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

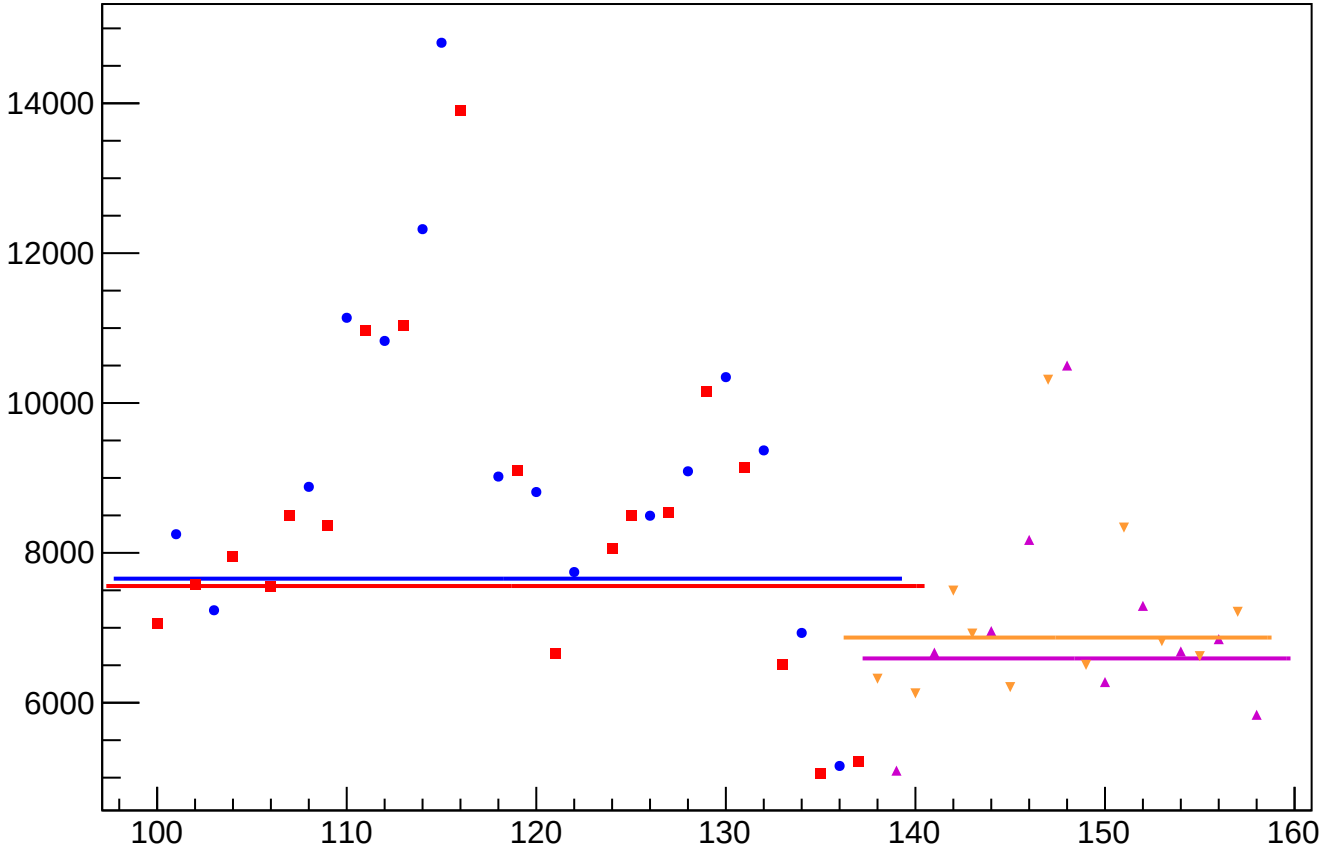
In: 10353.433+/-1.899 χ^2/NDF:1952845.6/25

Out: 10343.758+/-1.896 χ^2/NDF:2344037.2/29

All: 10348.587+/-1.342 χ^2/NDF: 4296895.8/5


diff_bpm4acY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: -3.605+/-2.940 χ²/NDF: 10.5/15
Left Out: 5.206+/-2.367 χ²/NDF:9.4/10
Right Out: -4.965+/-2.855 χ²/NDF: 21.4/18
Left In: -2.302+/-2.279 χ²/NDF:17.0/9
Left: 1.310+/-1.641 χ²/NDF: 31.7/20
Right: -4.305+/-2.048 χ²/NDF: 32.0/34
In: -2.791+/-1.801 χ²/NDF:27.6/25
Out: 1.064+/-1.822 χ²/NDF:38.3/29
All: -0.886+/-1.281 χ²/NDF: 68.2/55

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6869.793+/-1.673 χ^2/NDF:300491.4/10

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6591.185+/-1.611 χ^2/NDF:489194.9/9

Left: 6725.229+/-1.161 χ^2/NDF: 804069.9/20

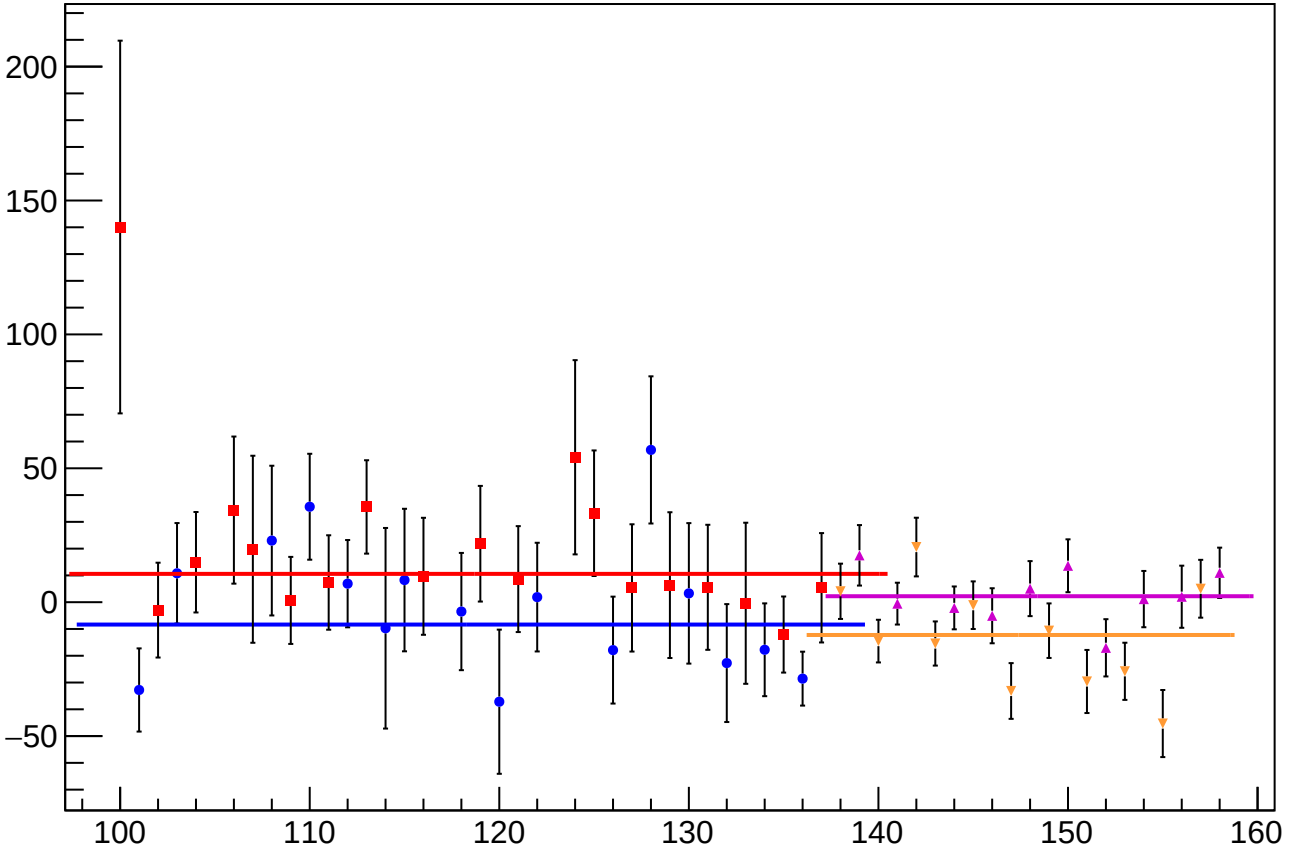
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6990.764+/-1.274 χ^2/NDF:1532813.4/25

Out: 7149.816+/-1.288 χ^2/NDF:1179123.4/29

All: 7069.368+/-0.906 χ^2/NDF: 2719645.0/55

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -12.246+/-3.007 χ^2/NDF:30.6/10

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 2.228+/-3.077 χ^2/NDF:8.3/9

Left: -5.177+/-2.150 χ^2/NDF: 50.3/20

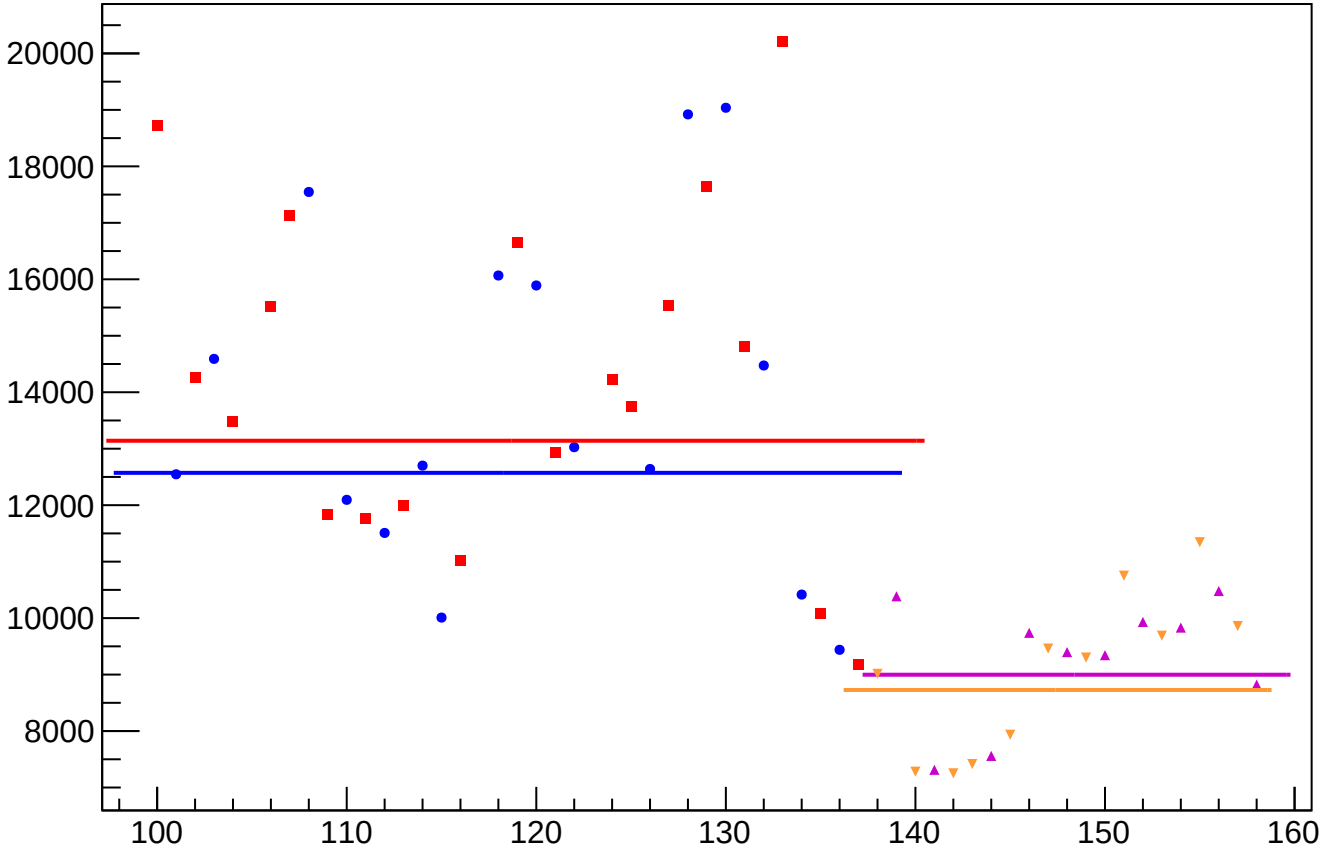
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -0.841+/-2.593 χ^2/NDF:35.0/25

Out: -6.025+/-2.564 χ^2/NDF:59.3/29

All: -3.461+/-1.823 χ^2/NDF: 96.2/55

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8727.391+/-2.126 χ^2/NDF:371235.4/10

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8997.506+/-2.176 χ^2/NDF:264993.6/9

Left: 8859.319+/-1.521 χ^2/NDF: 644113.5/20

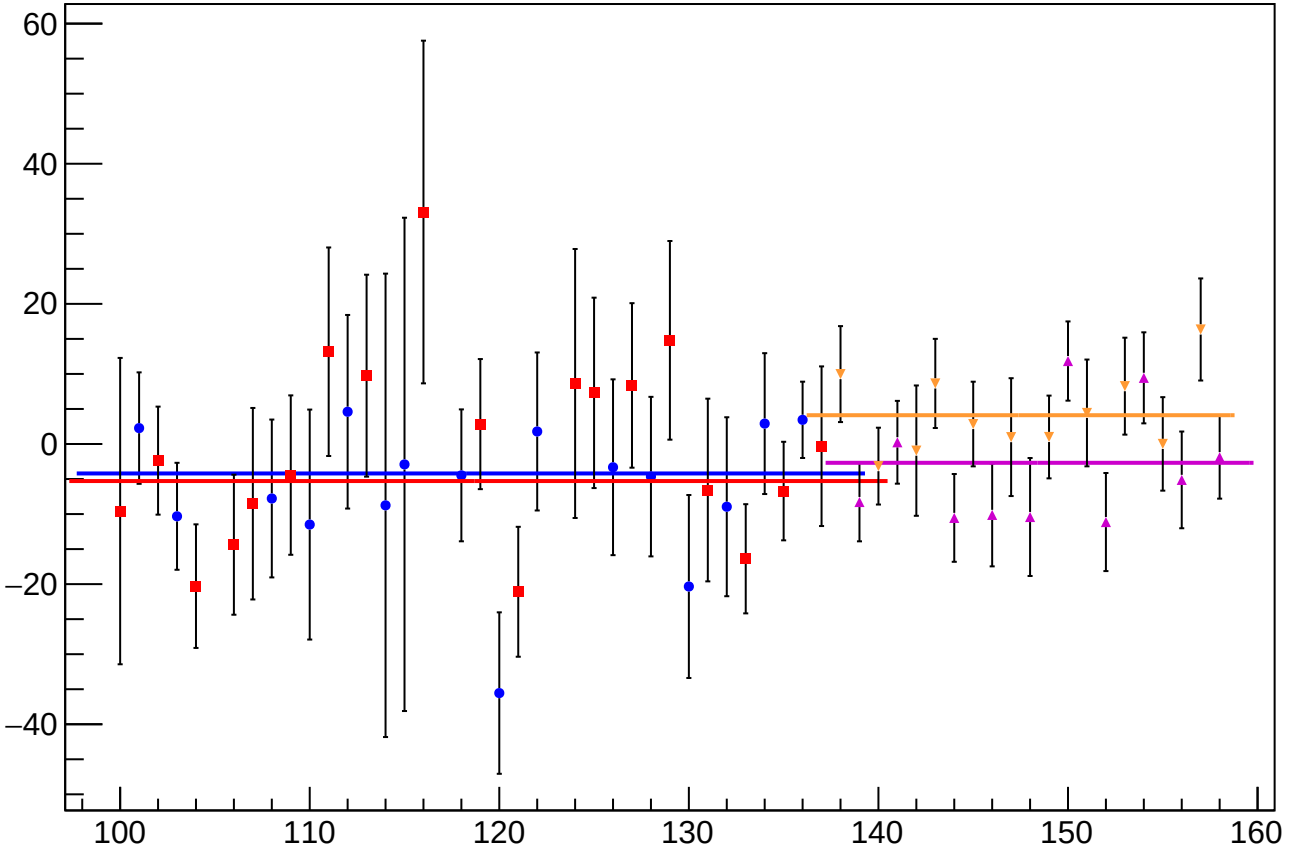
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10034.564+/-1.833 χ^2/NDF:1713170.4/25

Out: 9930.745+/-1.813 χ^2/NDF:2081114.8/29

All: 9982.082+/-1.289 χ^2/NDF: 3795906.4/55

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.109+/-2.039 χ^2/NDF:7.3/10

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -2.684+/-2.027 χ^2/NDF:16.4/9

Left: 0.691+/-1.438 χ^2/NDF: 29.3/20

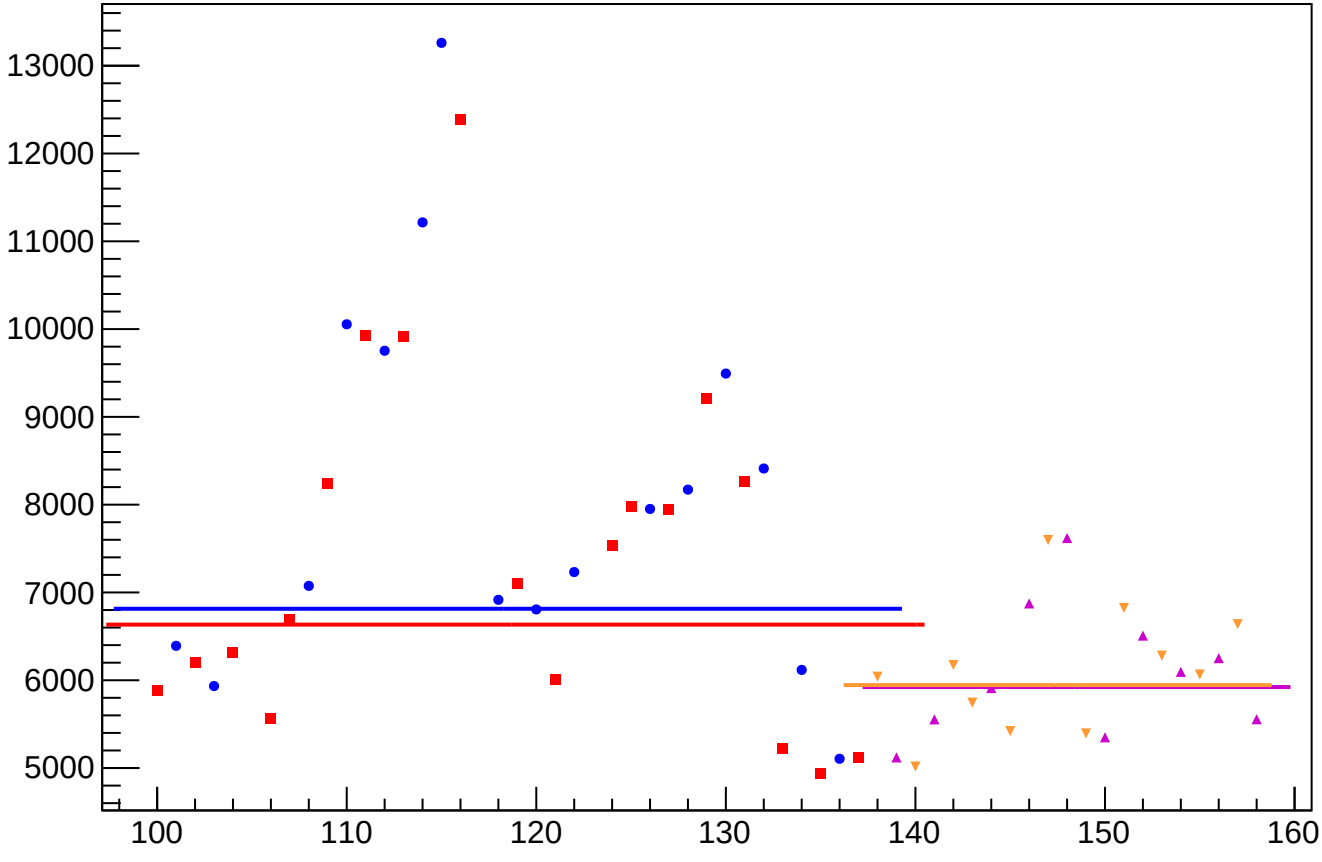
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -3.259+/-1.599 χ^2/NDF:30.4/25

Out: 0.358+/-1.581 χ^2/NDF:35.5/29

All: -1.430+/-1.124 χ^2/NDF: 68.6/55

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5944.955+/-1.442 χ^2/NDF:220654.8/10

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5922.408+/-1.433 χ^2/NDF:211616.5/9

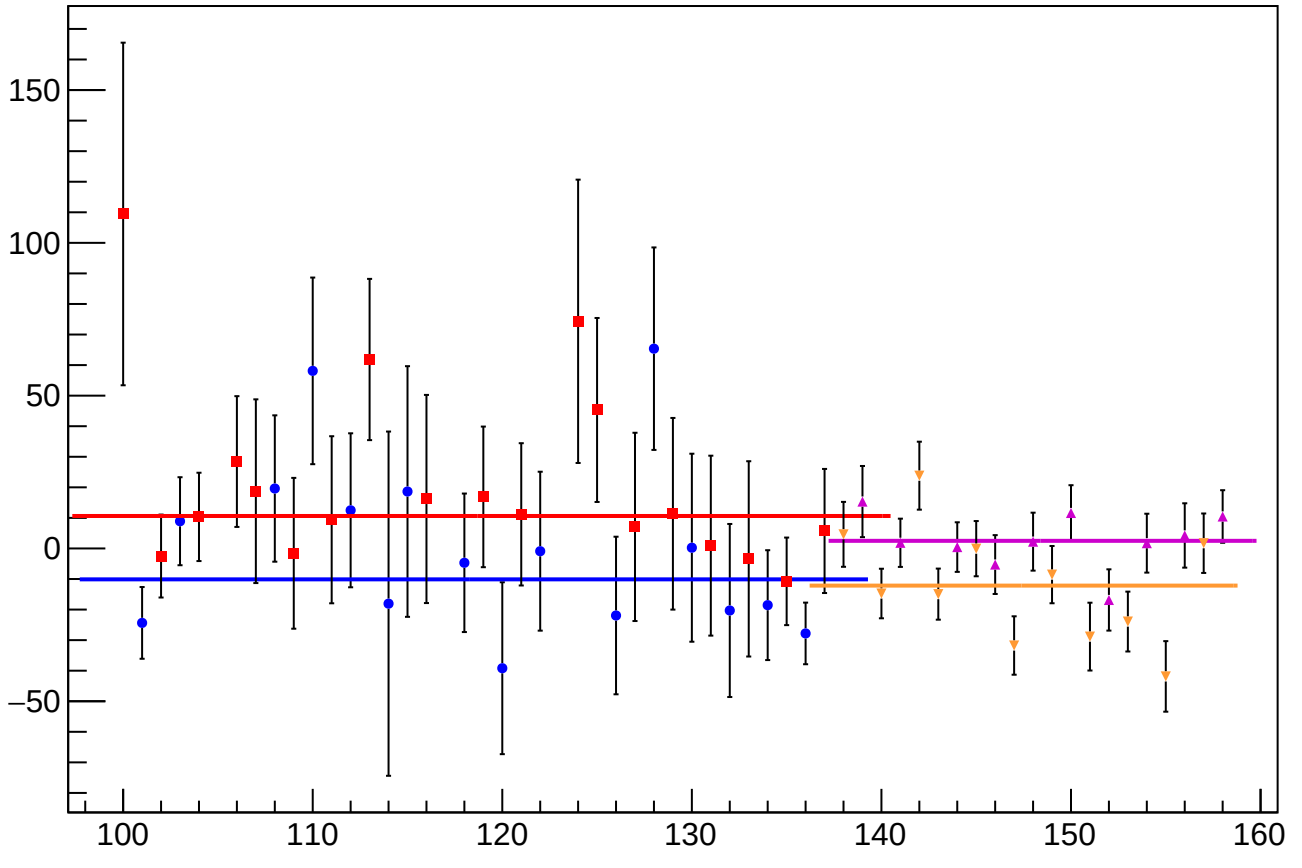
Left: 5933.613+/-1.017 χ^2/NDF: 432394.3/20

Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6259.496+/-1.130 χ^2/NDF:1032060.6/25

Out: 6219.866+/-1.118 χ^2/NDF:1075062.7/29

All: 6239.457+/-0.795 χ^2/NDF: 2107744.8/55



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -12.157+/-2.915 χ^2/NDF:31.7/10

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 2.492+/-2.938 χ^2/NDF:7.6/9

Left: -4.888+/-2.069 χ^2/NDF: 51.8/20

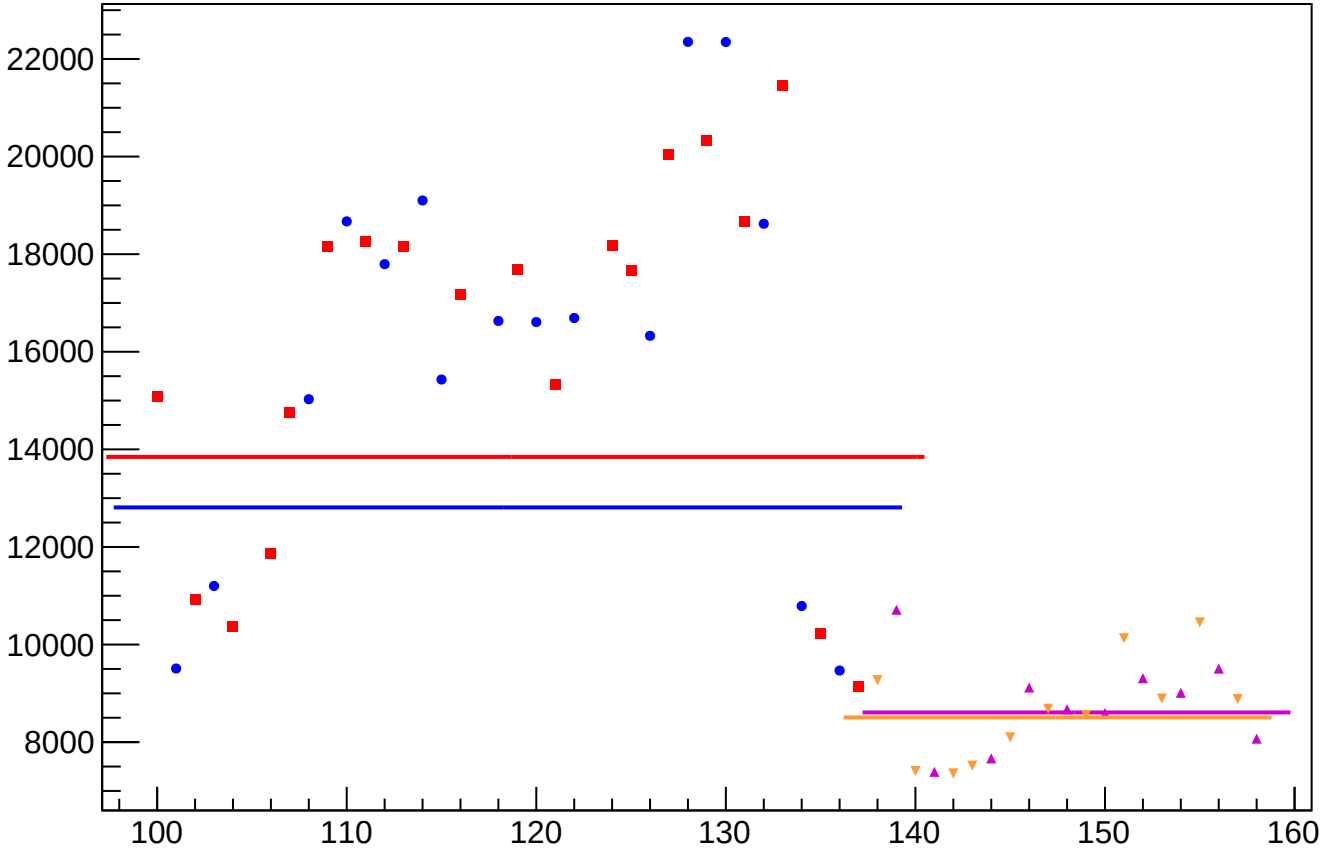
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -0.726+/-2.535 χ^2/NDF:33.5/25

Out: -6.830+/-2.552 χ^2/NDF:60.7/29

All: -3.758+/-1.798 χ^2/NDF: 97.1/55

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8506.109+/-2.061 χ^2/NDF:206845.3/10

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8608.635+/-2.077 χ^2/NDF:181152.6/9

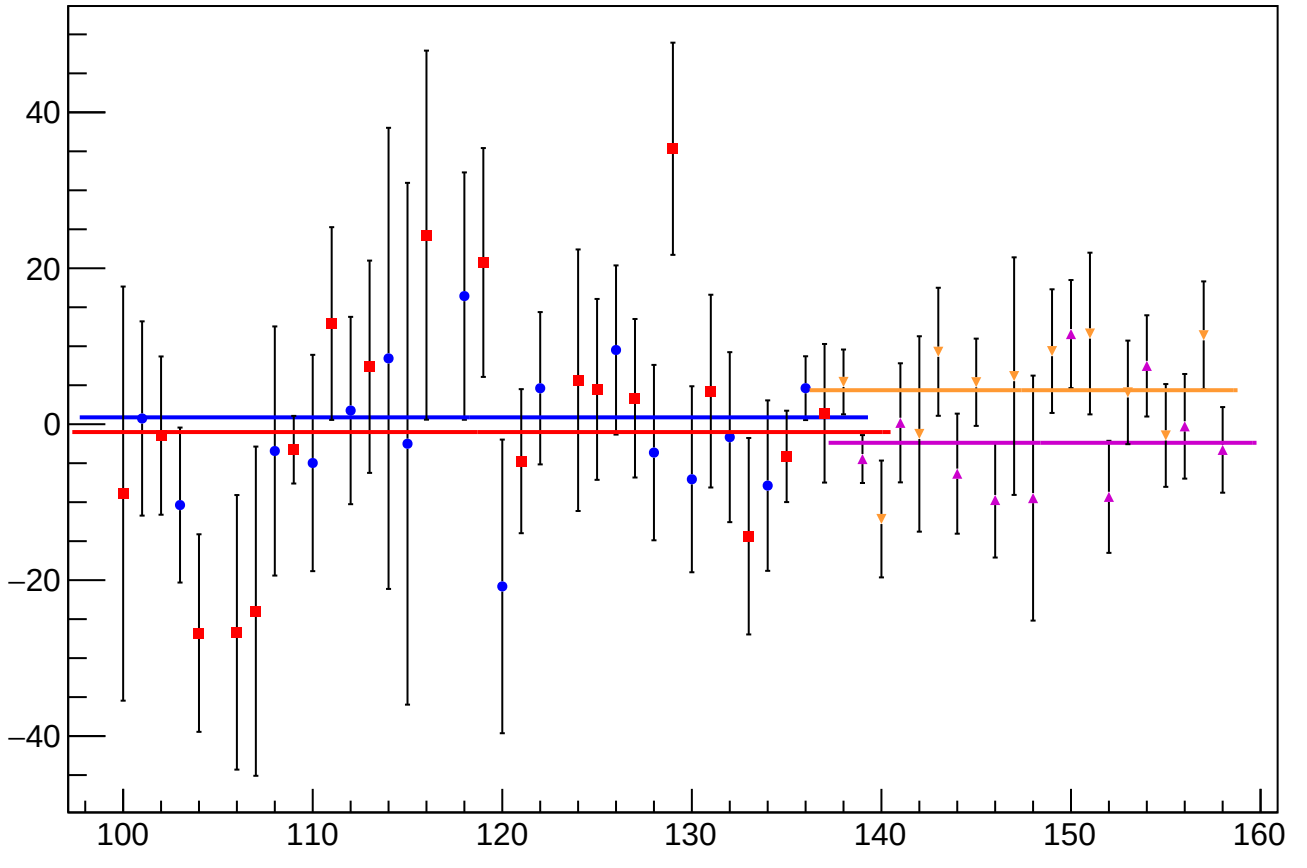
Left: 8556.980+/-1.463 χ^2/NDF: 389225.3/20

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9681.215+/-1.793 χ^2/NDF:2473787.8/25

Out: 9754.771+/-1.804 χ^2/NDF:2872406.1/29

All: 9717.752+/-1.272 χ^2/NDF: 5347030.3/55



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 4.362+/-2.108 χ^2/NDF:8.2/10

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -2.384+/-1.884 χ^2/NDF:9.4/9

Left: 0.612+/-1.405 χ^2/NDF: 23.4/20

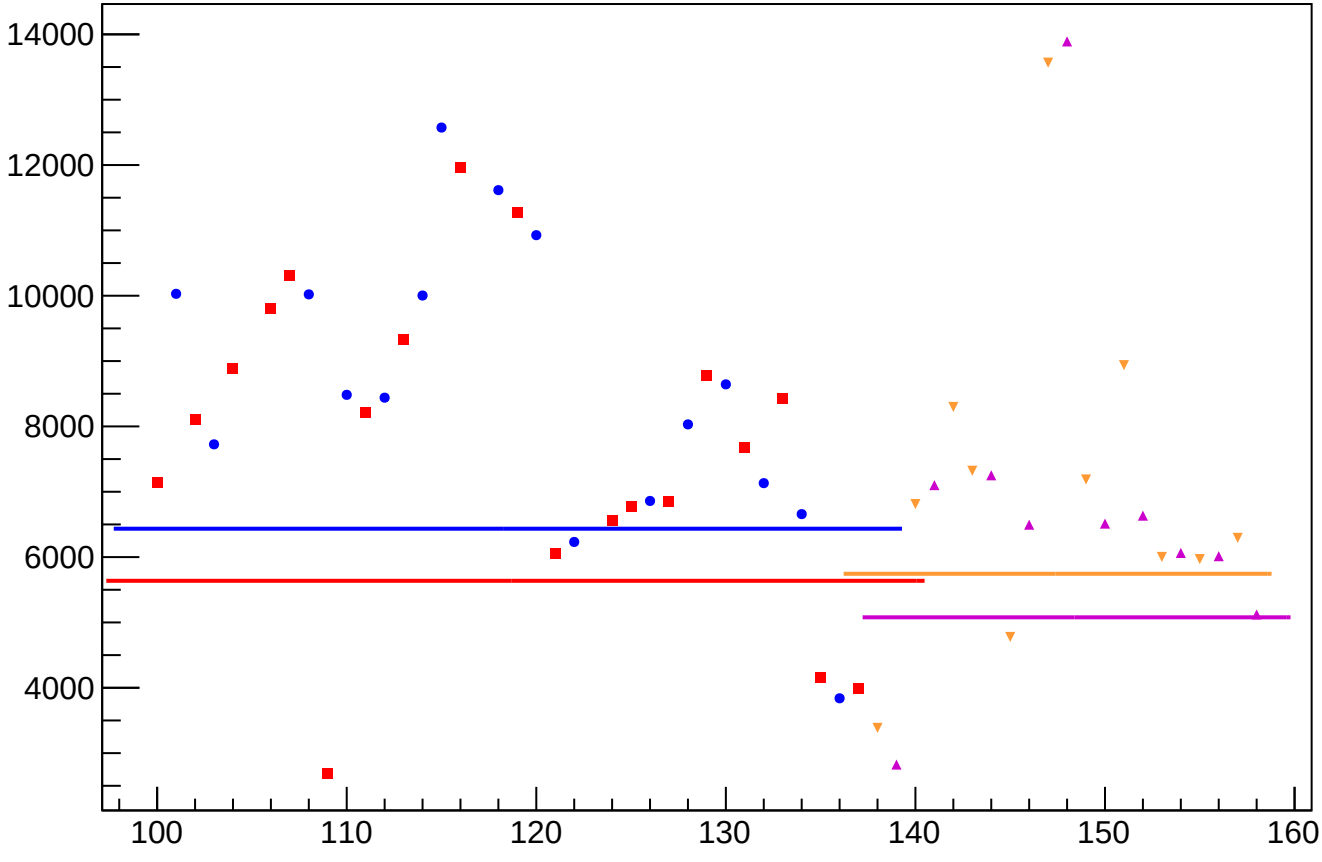
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.240+/-1.519 χ^2/NDF:17.3/25

Out: 1.927+/-1.558 χ^2/NDF:33.5/29

All: 0.303+/-1.088 χ^2/NDF: 52.9/55

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5744.736+/-1.491 χ^2/NDF:1702514.7/10

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5078.582+/-1.332 χ^2/NDF:2343070.4/9

Left: 5374.441+/-0.993 χ^2/NDF: 4156595.8/20

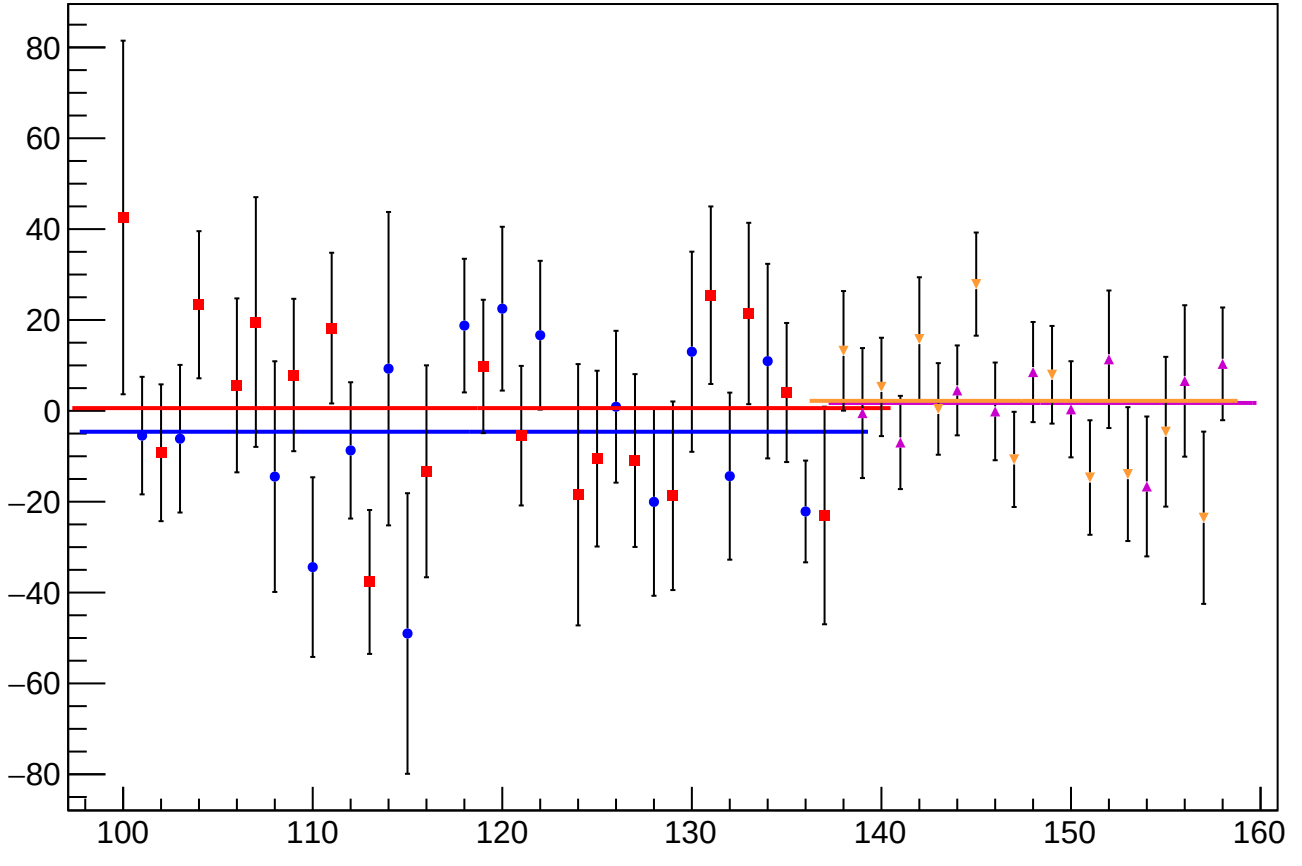
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5553.623+/-1.074 χ^2/NDF:4456497.9/25

Out: 5696.026+/-1.102 χ^2/NDF:4284882.4/29

All: 5622.996+/-0.769 χ^2/NDF: 8749945.2/55

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 2.199+/-3.716 χ^2/NDF:13.7/10

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.736+/-3.805 χ^2/NDF:3.6/9

Left: 1.973+/-2.658 χ^2/NDF: 17.4/20

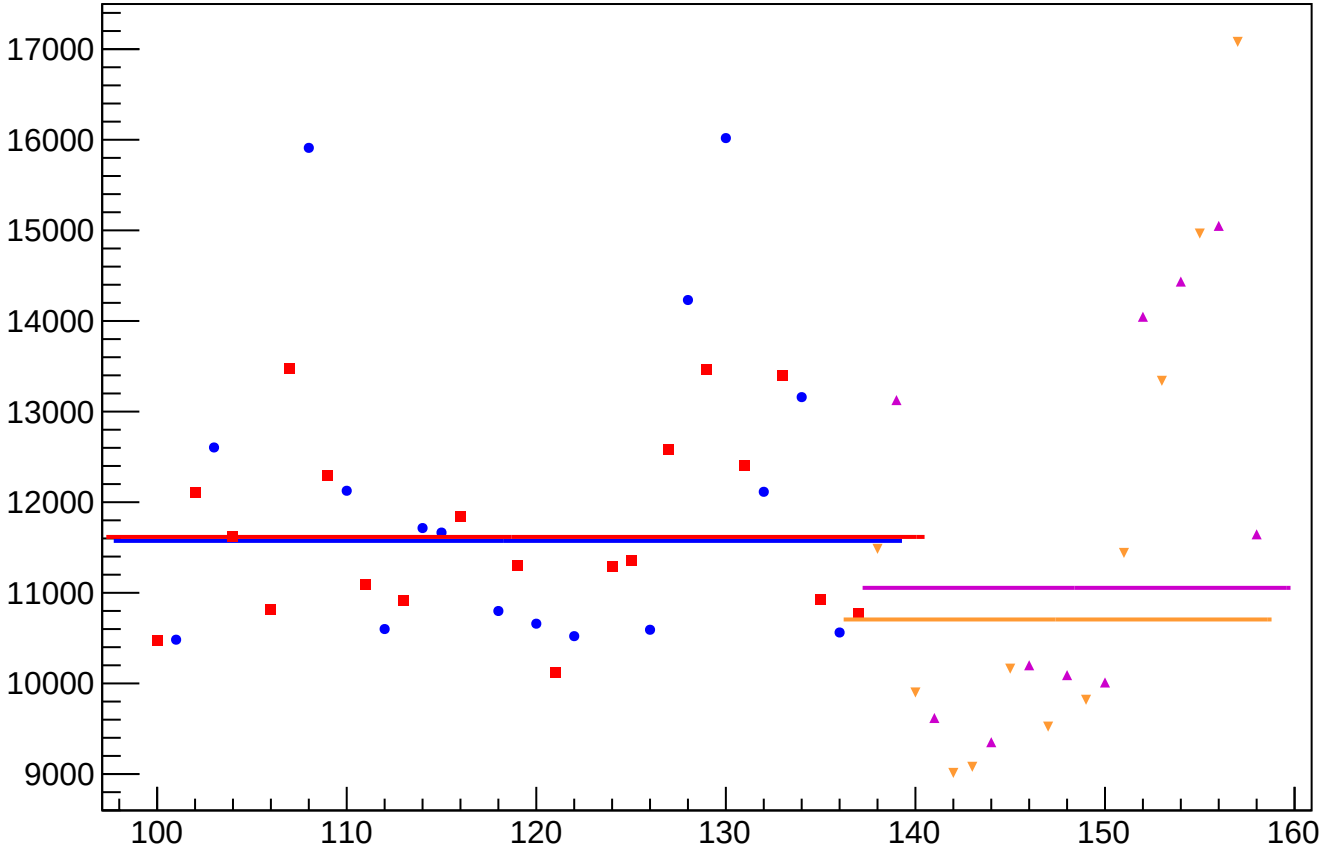
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -1.007+/-2.865 χ^2/NDF:20.6/25

Out: 1.509+/-2.802 χ^2/NDF:31.7/29

All: 0.279+/-2.003 χ^2/NDF: 52.7/55

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10705.753+/-2.627 χ^2/NDF:575077.8/10

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11054.836+/-2.690 χ^2/NDF:481742.0/9

Left: 10876.163+/-1.880 χ^2/NDF: 1065437.3/20

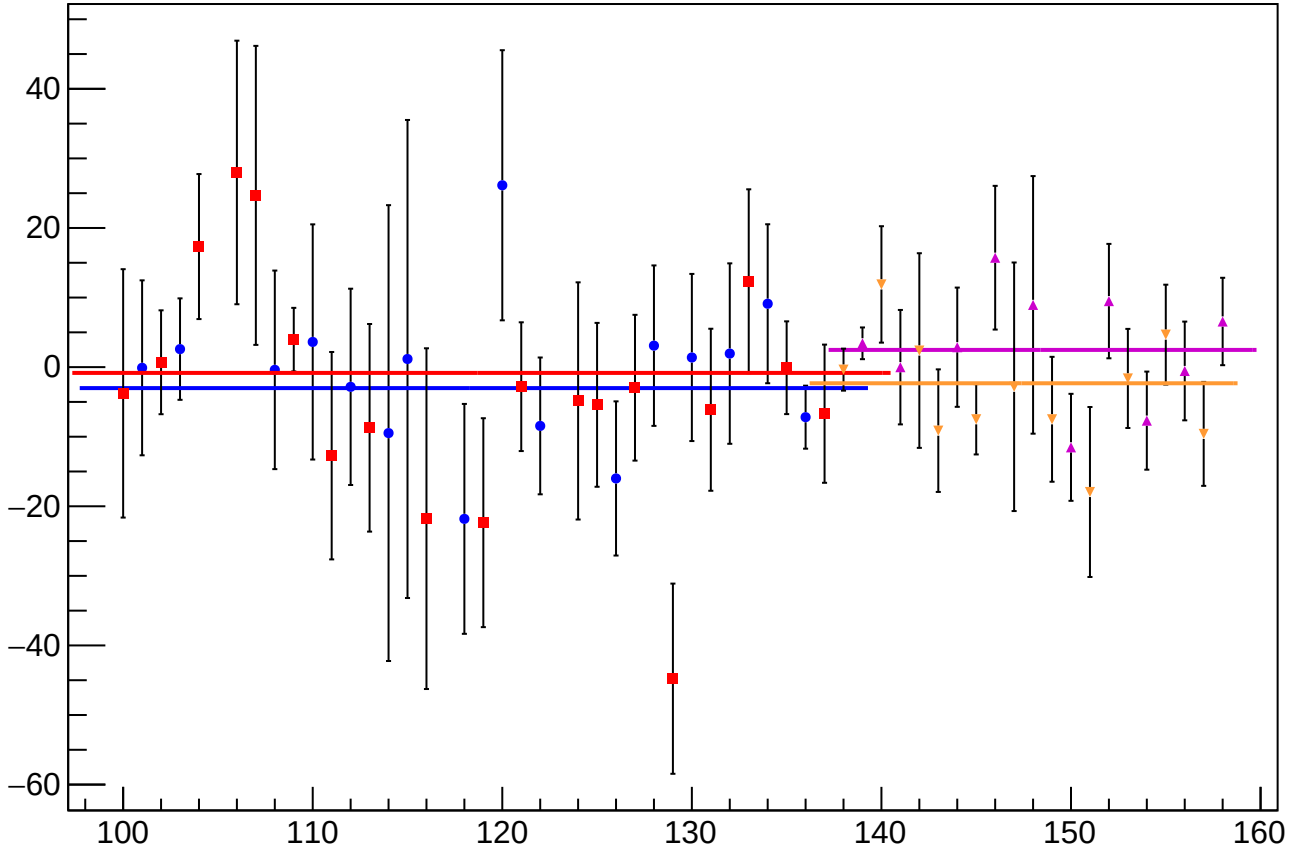
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11279.178+/-2.026 χ^2/NDF:757872.2/25

Out: 11098.694+/-1.981 χ^2/NDF:720100.8/29

All: 11186.925+/-1.417 χ^2/NDF: 1482029.5/5

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -2.320+/-1.959 χ^2/NDF:8.9/10

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 2.475+/-1.741 χ^2/NDF:8.8/9

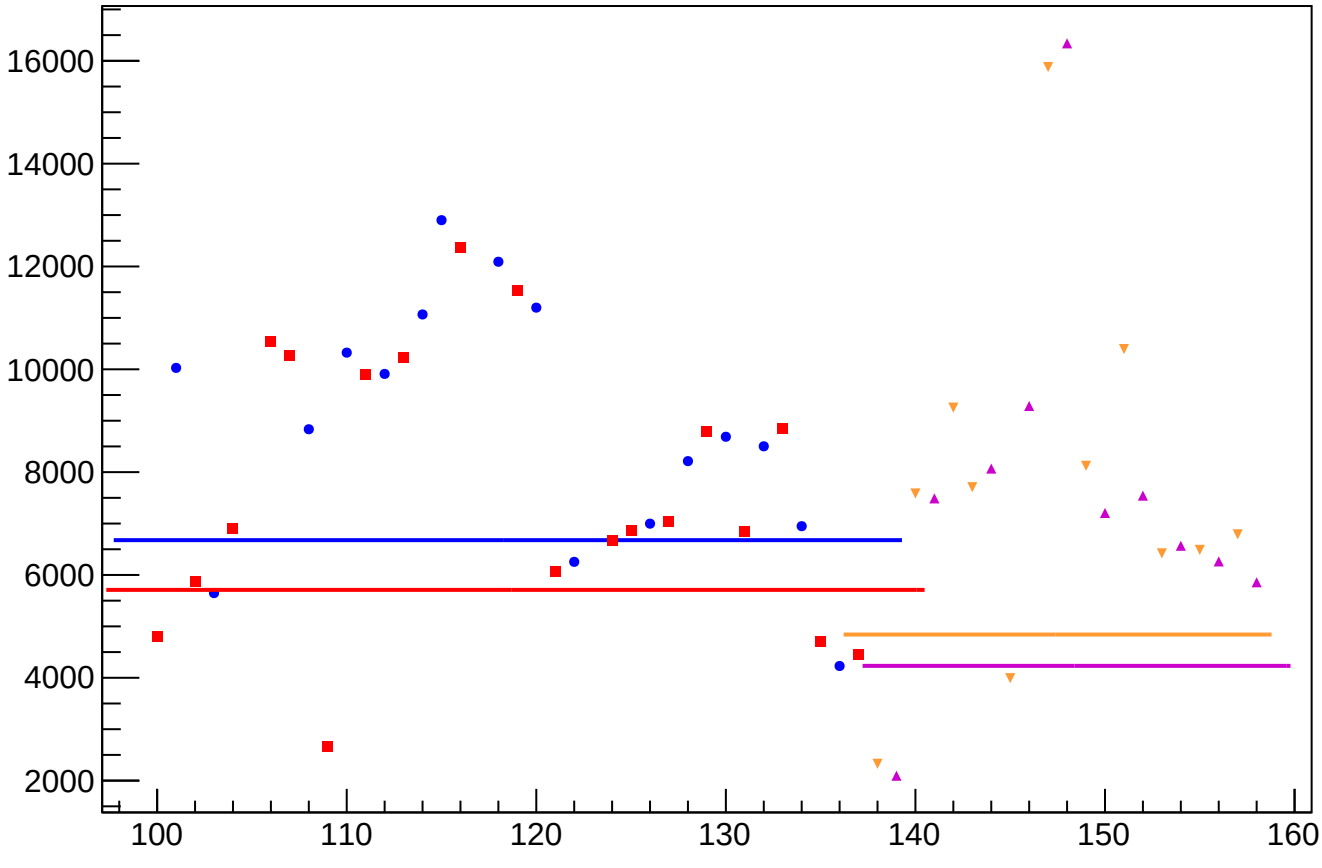
Left: 0.360+/-1.301 χ^2/NDF: 21.1/20

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.824+/-1.455 χ^2/NDF:20.4/25

Out: -1.710+/-1.505 χ^2/NDF:33.0/29

All: -0.401+/-1.046 χ^2/NDF: 54.9/55



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4841.011+/-1.385 χ^2/NDF:3853932.1/10

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4232.000+/-1.231 χ^2/NDF:4947091.9/9

Left: 4500.668+/-0.920 χ^2/NDF: 8909041.8/20

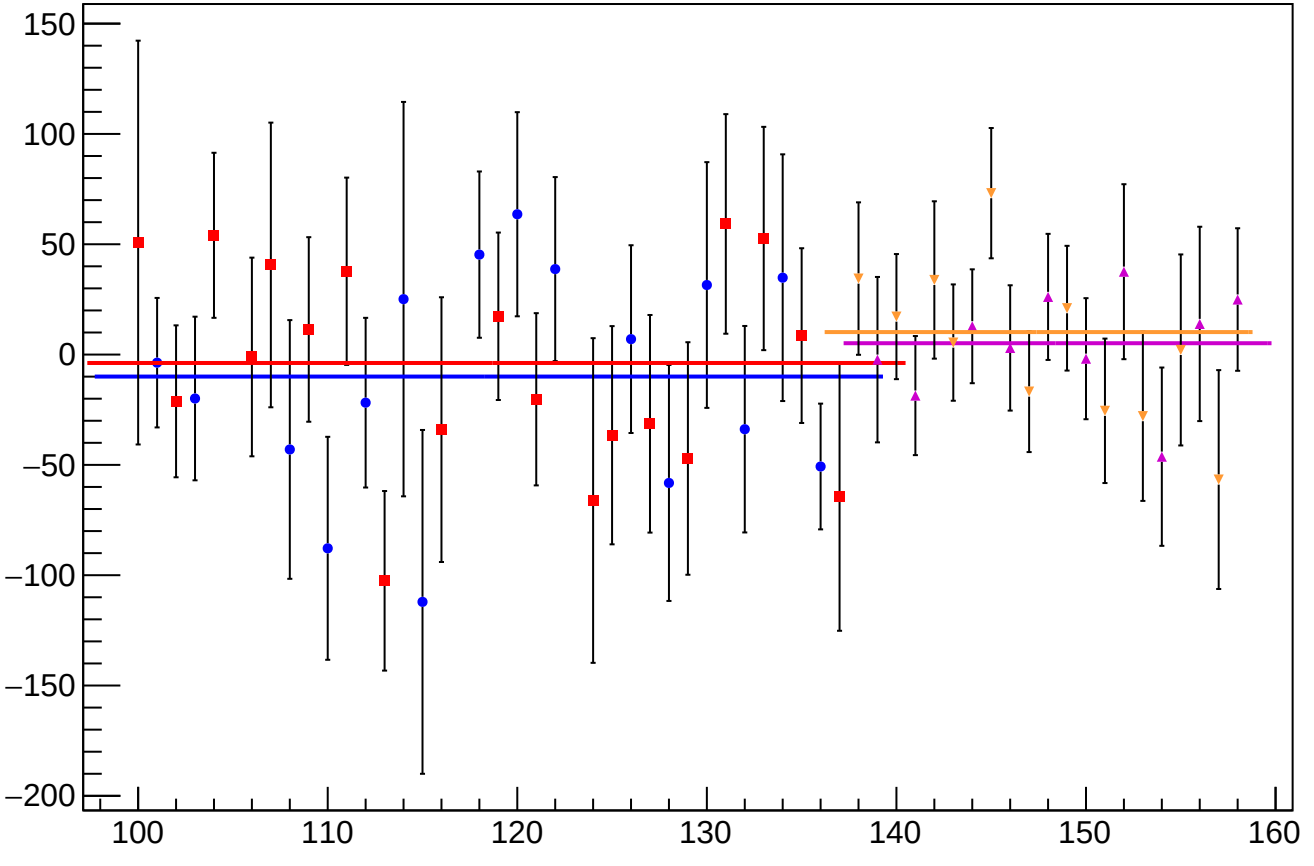
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4967.322+/-1.029 χ^2/NDF:7706811.1/25

Out: 5196.940+/-1.064 χ^2/NDF:6316125.5/29

All: 5078.277+/-0.740 χ^2/NDF: 14046990.1/5

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 10.194+/-9.719 χ^2/NDF:10.7/10

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.145+/-9.950 χ^2/NDF:4.2/9

Left: 7.729+/-6.952 χ^2/NDF: 15.1/20

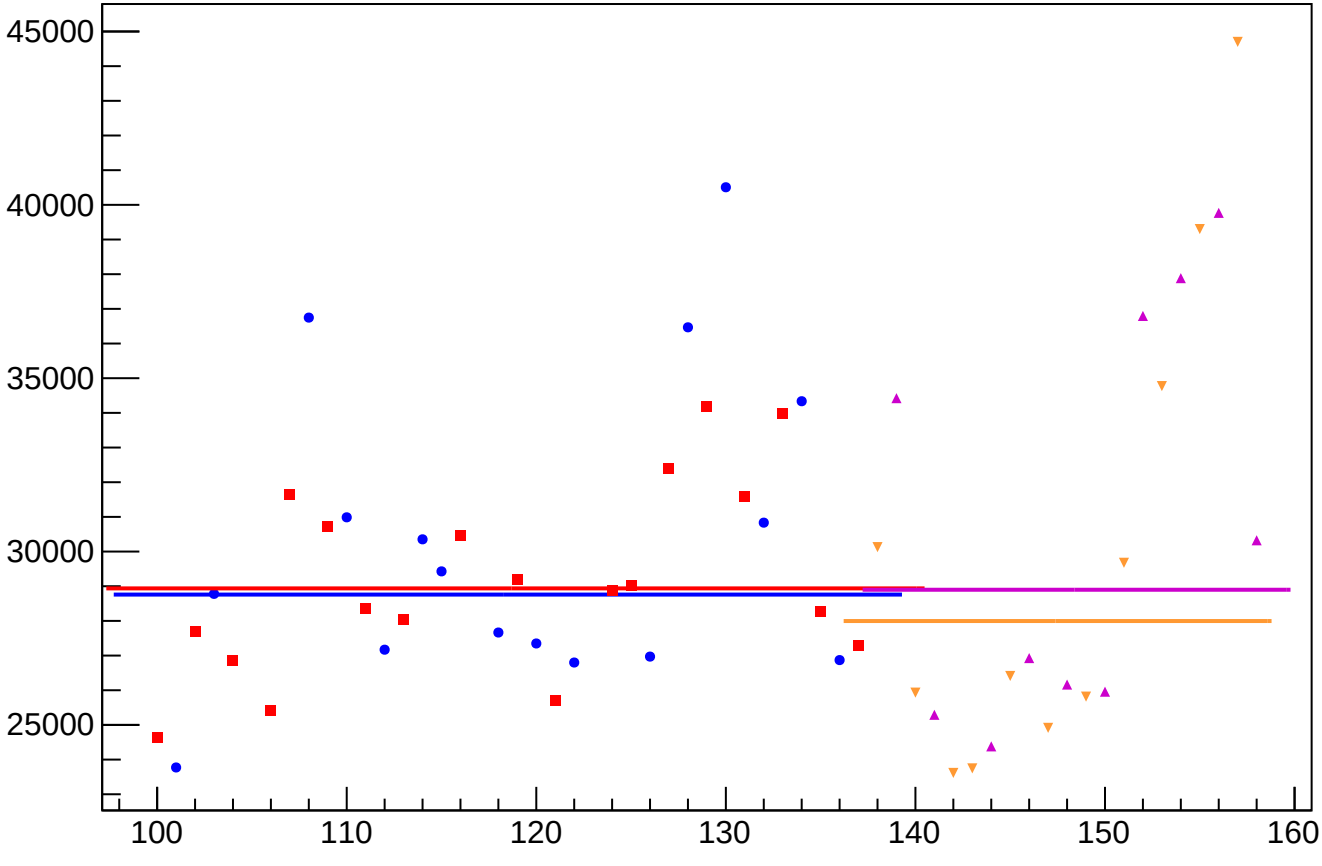
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.769+/-7.329 χ^2/NDF:20.6/25

Out: 3.820+/-7.175 χ^2/NDF:28.9/29

All: 1.085+/-5.127 χ^2/NDF: 49.8/55

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27996.034+/-6.872 χ^2/NDF:574028.5/10

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

Left: 28436.713+/-4.916 χ^2/NDF: 1077822.5/20

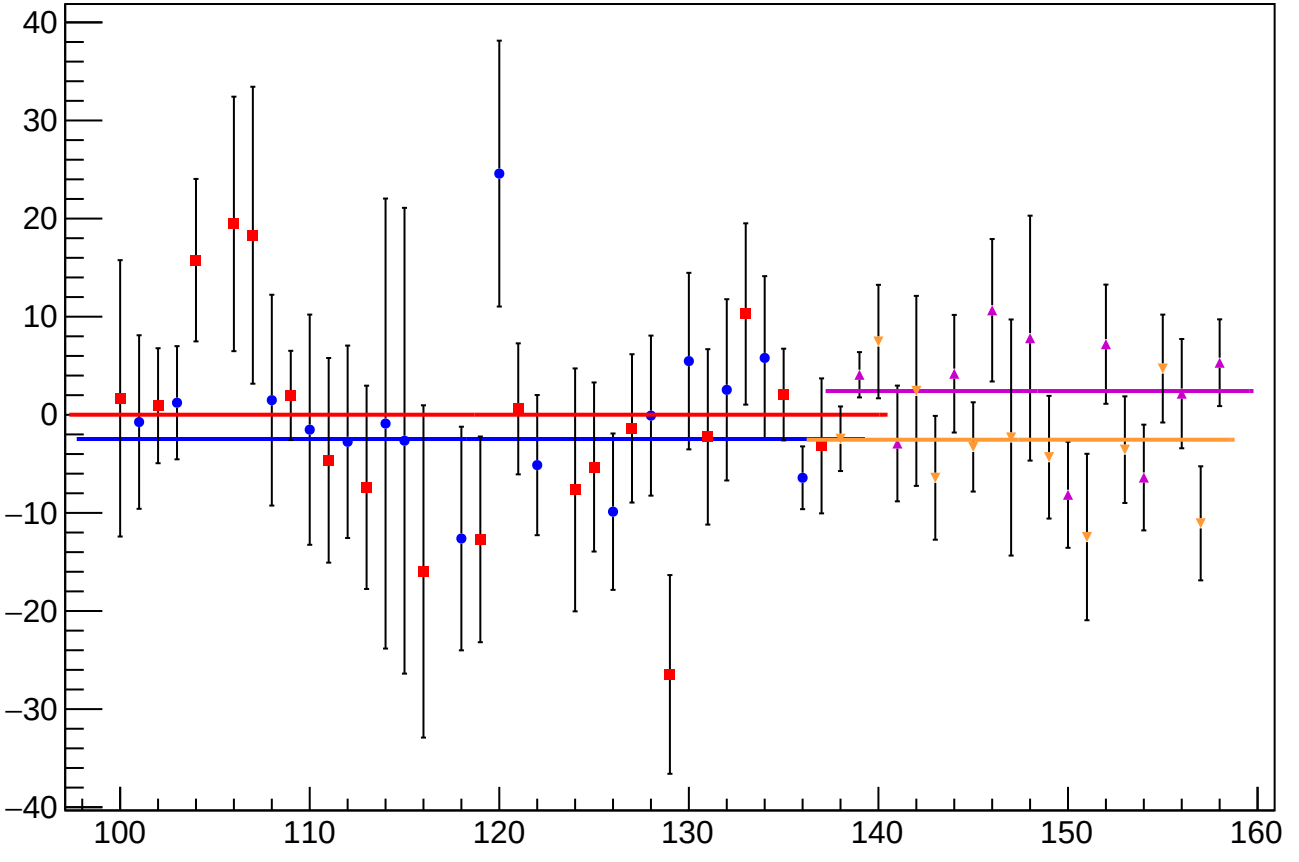
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28834.770+/-5.182 χ^2/NDF:773192.2/25

Out: 28424.482+/-5.073 χ^2/NDF:688836.6/29

All: 28625.264+/-3.625 χ^2/NDF: 1465229.4/5

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -2.540+/-1.692 χ^2/NDF:9.0/10

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.423+/-1.493 χ^2/NDF:10.4/9

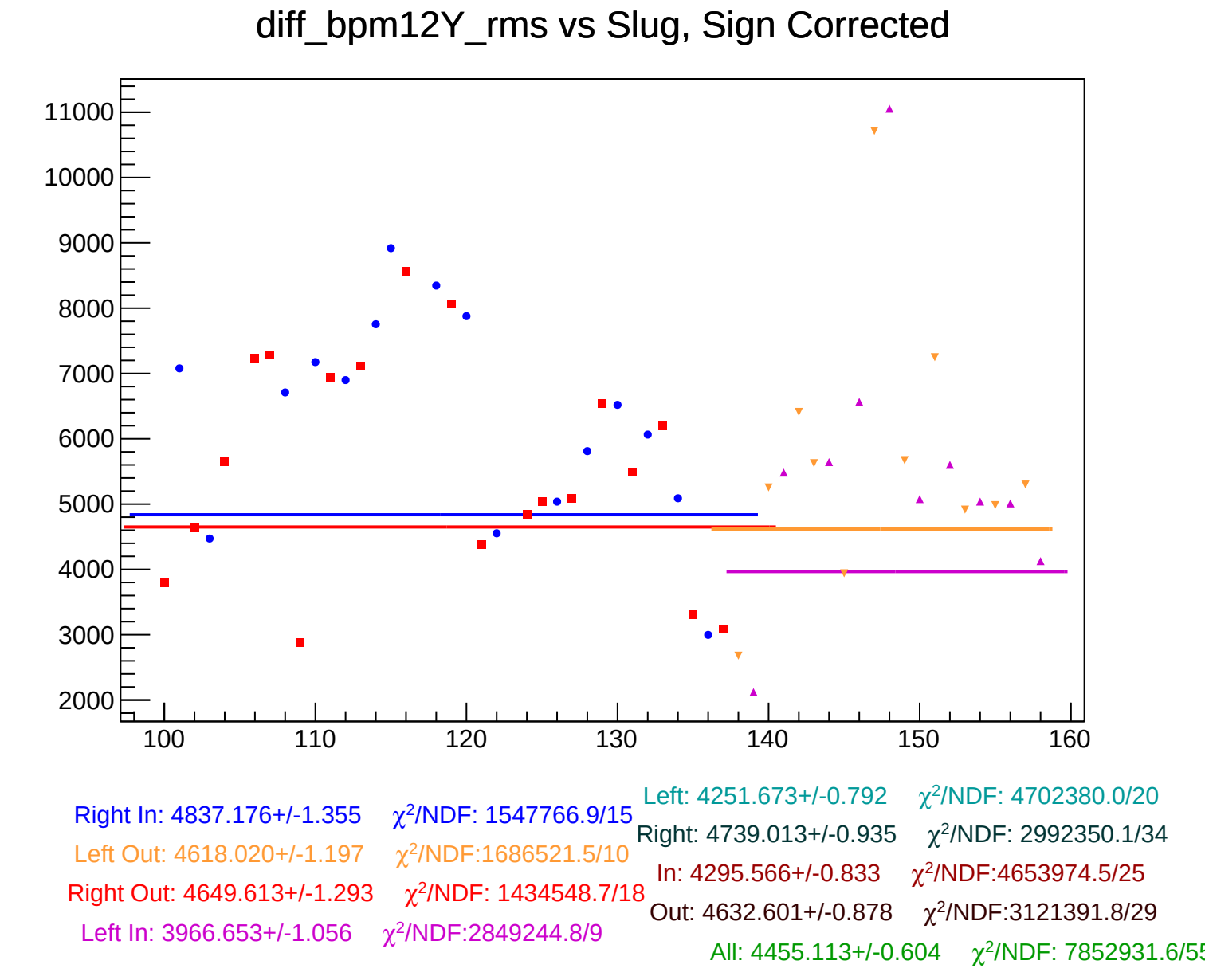
Left: 0.251+/-1.120 χ^2/NDF: 24.3/20

Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

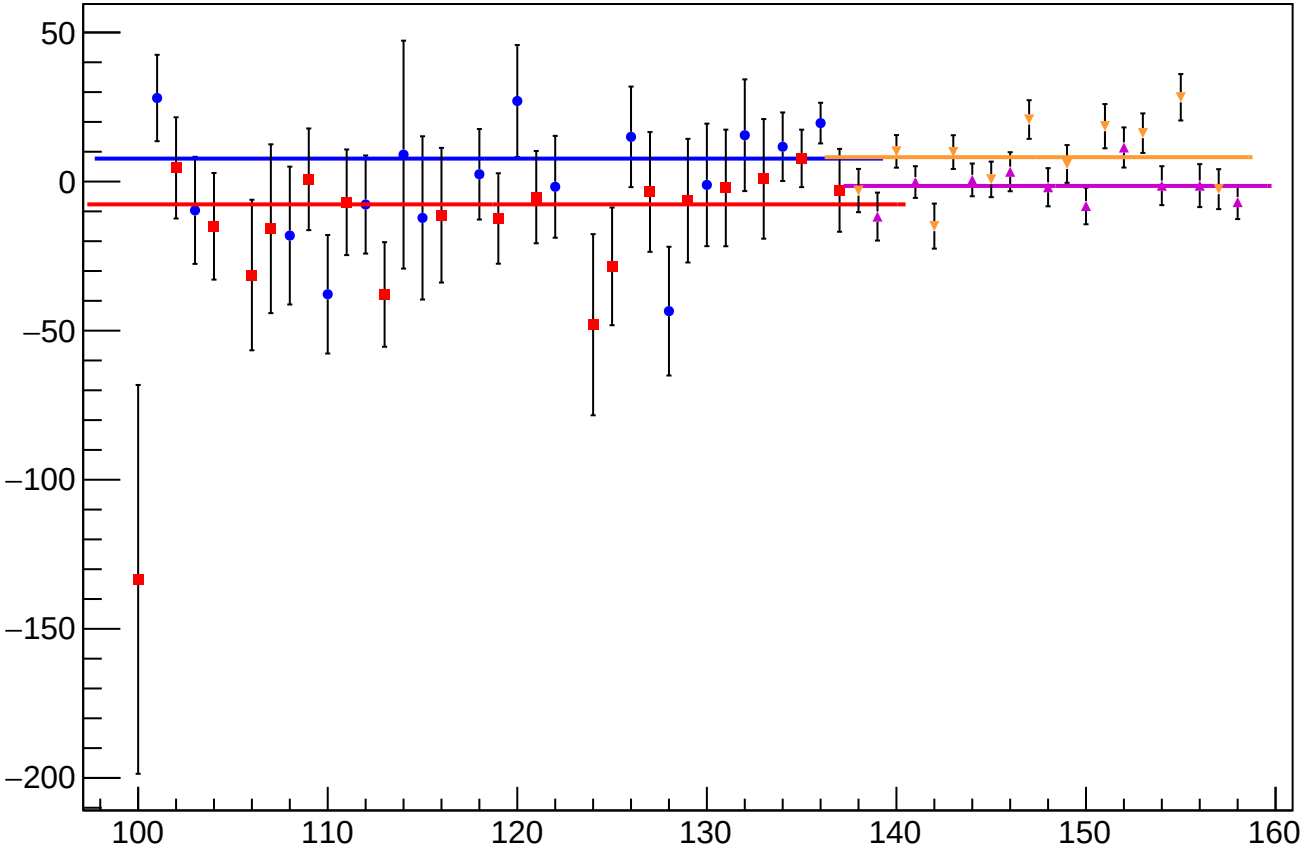
In: 0.575+/-1.178 χ^2/NDF:24.5/25

Out: -1.364+/-1.242 χ^2/NDF:30.1/29

All: -0.343+/-0.854 χ^2/NDF: 55.9/55


diff_bpm12Y_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 4837.176+/-1.355 χ²/NDF: 1547766.9/15
Left Out: 4618.020+/-1.197 χ²/NDF:1686521.5/10
Right Out: 4649.613+/-1.293 χ²/NDF: 1434548.7/18
Left In: 3966.653+/-1.056 χ²/NDF:2849244.8/9
Left: 4251.673+/-0.792 χ²/NDF: 4702380.0/20
Right: 4739.013+/-0.935 χ²/NDF: 2992350.1/34
In: 4295.566+/-0.833 χ²/NDF:4653974.5/25
Out: 4632.601+/-0.878 χ²/NDF:3121391.8/29
All: 4455.113+/-0.604 χ²/NDF: 7852931.6/55

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.174+/-1.969 χ^2/NDF:30.1/10

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -1.472+/-1.985 χ^2/NDF:8.1/9

Left: 3.390+/-1.398 χ^2/NDF: 50.1/20

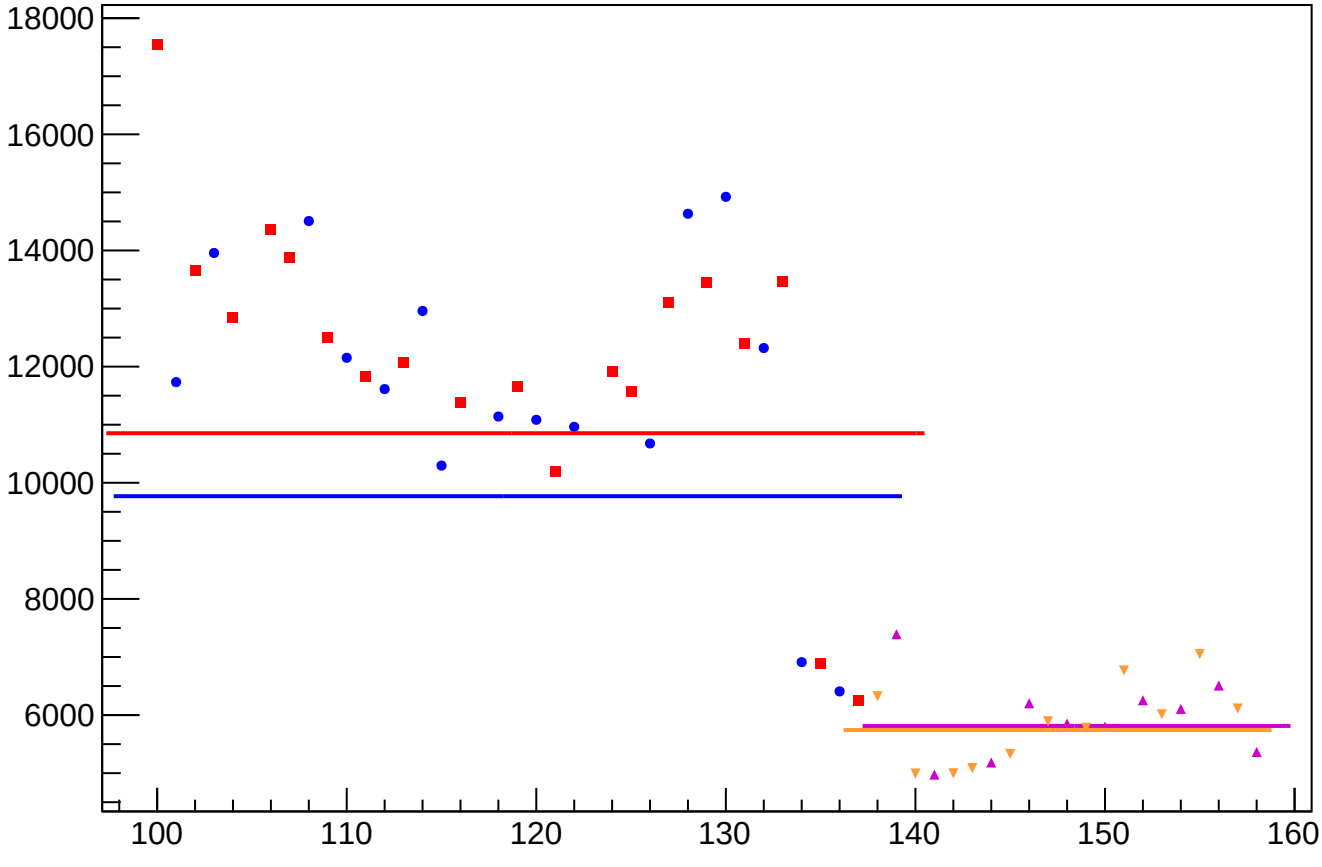
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.478+/-1.761 χ^2/NDF:34.3/25

Out: 5.208+/-1.775 χ^2/NDF:56.8/29

All: 2.825+/-1.250 χ^2/NDF: 94.7/55

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5742.275+/-1.392 χ^2/NDF:211702.6/10

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5813.152+/-1.403 χ^2/NDF:204123.2/9

Left: 5777.428+/-0.988 χ^2/NDF: 417111.3/20

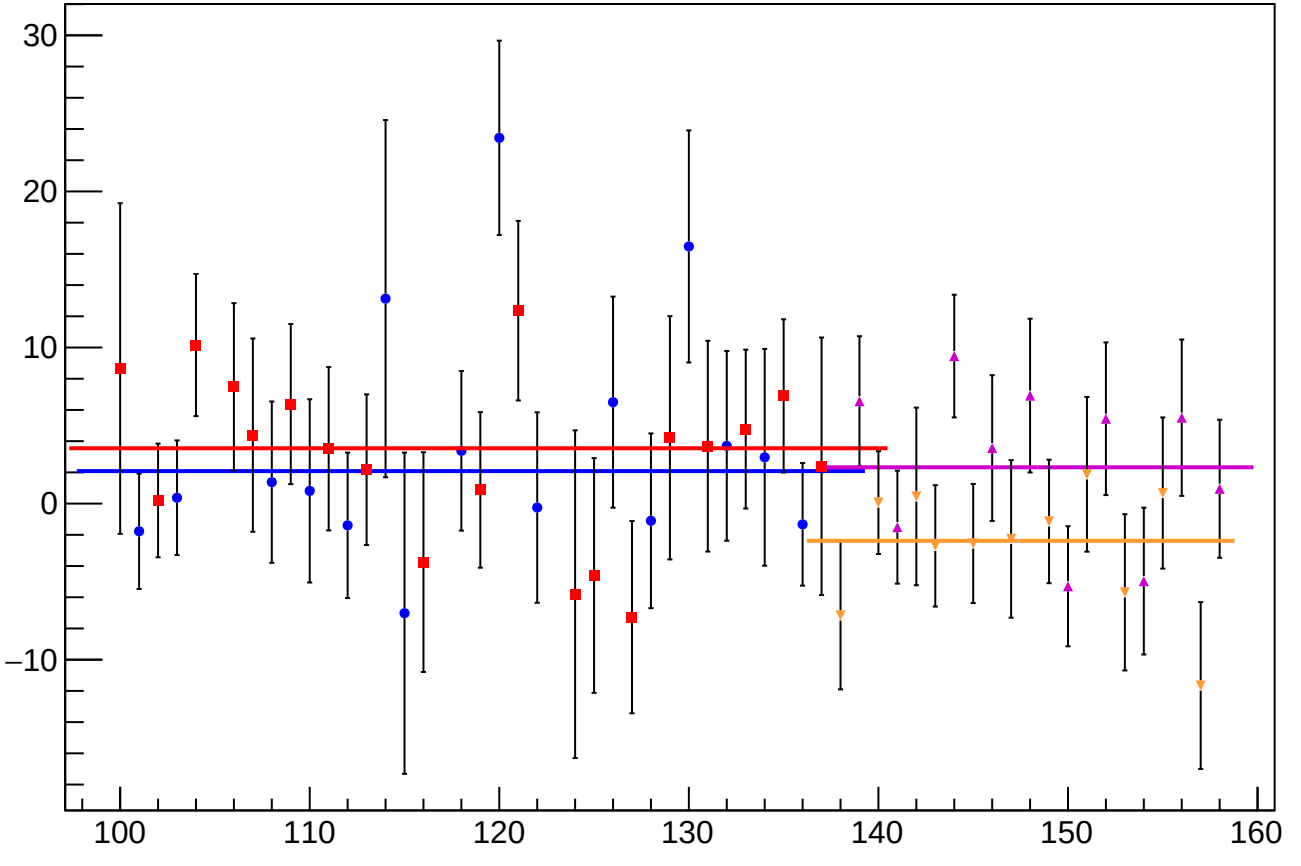
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6654.098+/-1.245 χ^2/NDF:3106635.4/25

Out: 6700.287+/-1.255 χ^2/NDF:3612238.8/29

All: 6677.015+/-0.884 χ^2/NDF: 6719556.7/55

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.385+/-1.332 χ^2/NDF:6.5/10

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 2.327+/-1.372 χ^2/NDF:13.6/9

Left: -0.099+/-0.955 χ^2/NDF: 26.2/20

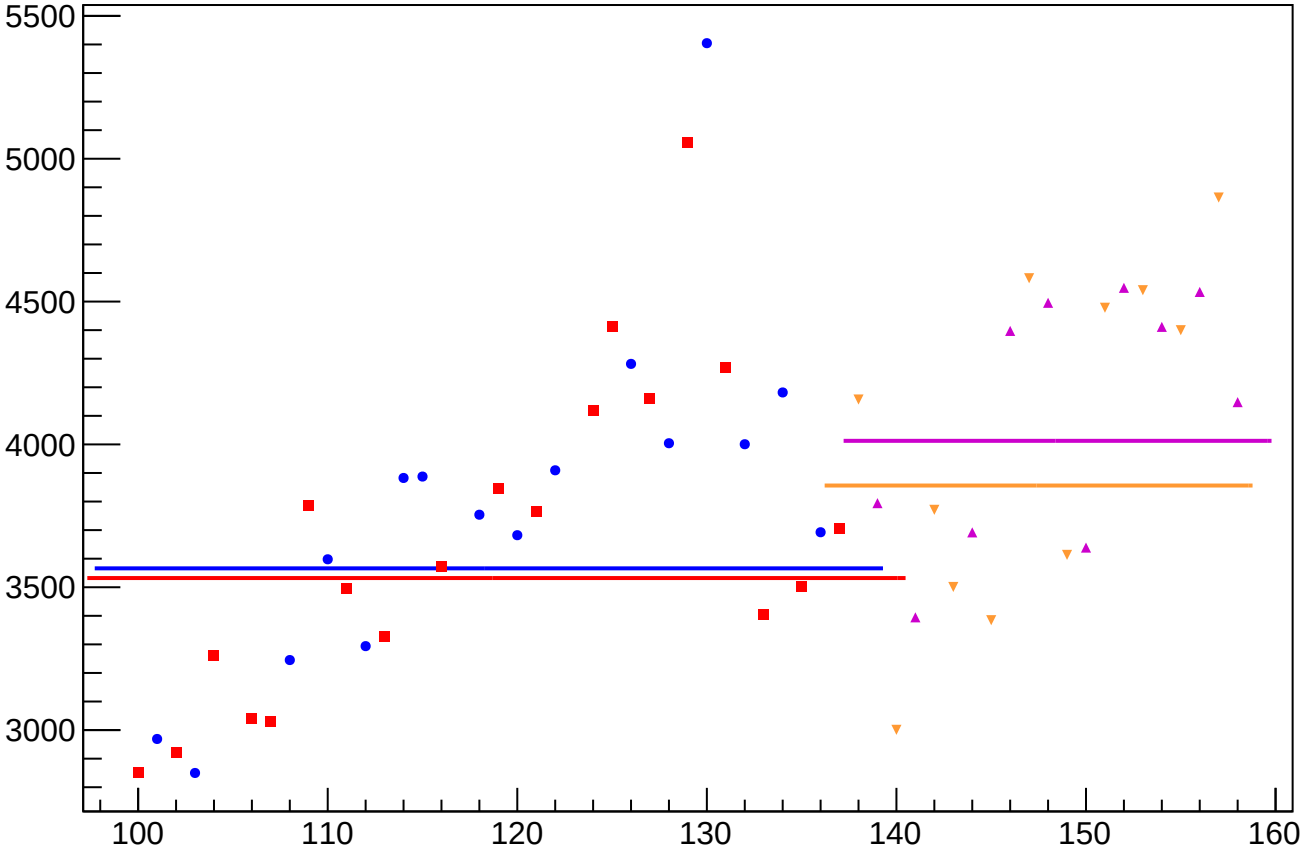
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.202+/-0.961 χ^2/NDF:34.6/25

Out: 0.642+/-0.932 χ^2/NDF:30.1/29

All: 1.398+/-0.669 χ^2/NDF: 66.0/55

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3856.080+/-0.942 χ^2/NDF:404828.5/10

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4012.520+/-0.970 χ^2/NDF:190670.2/9

Left: 3931.972+/-0.676 χ^2/NDF: 608890.6/20

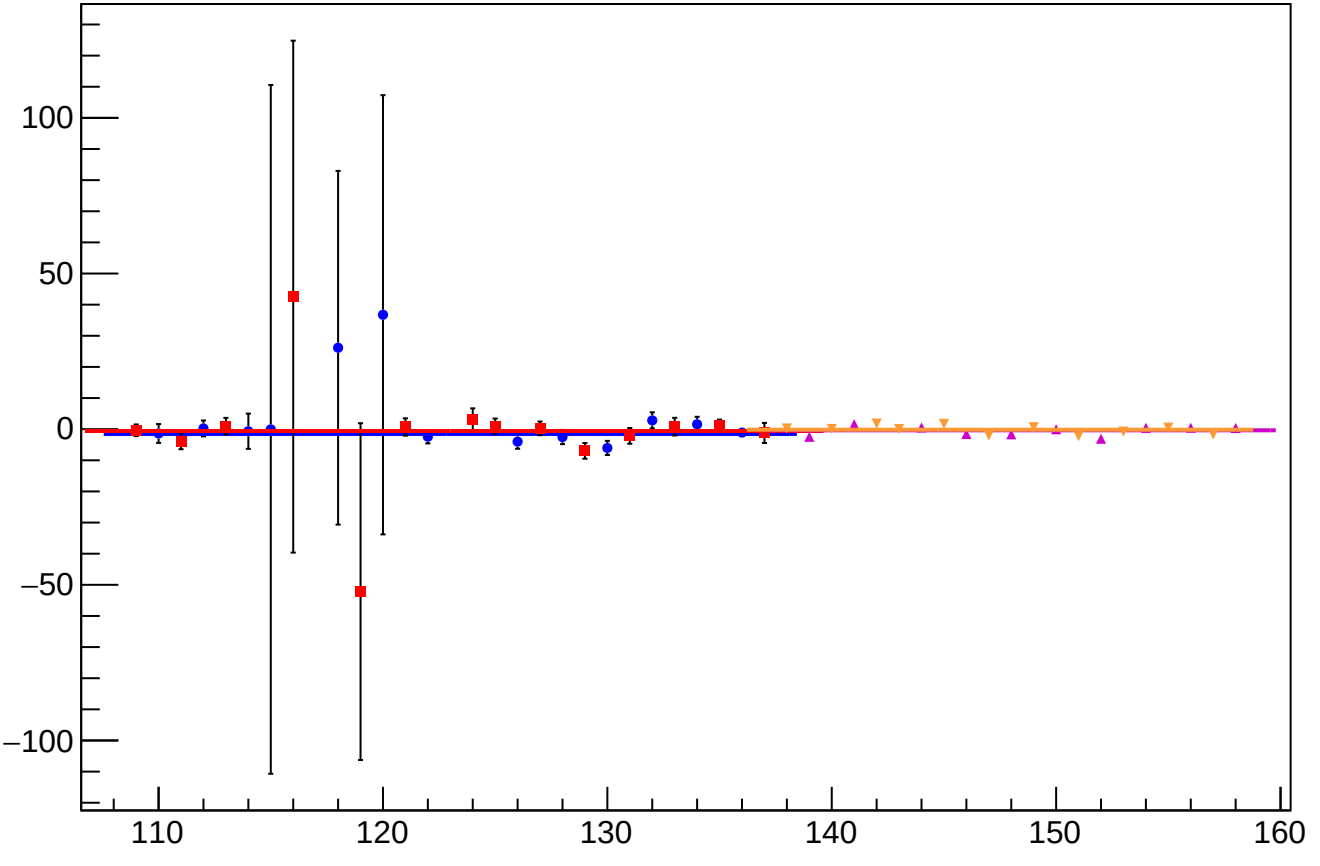
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3784.982+/-0.679 χ^2/NDF:639717.4/25

Out: 3690.767+/-0.659 χ^2/NDF:743916.2/29

All: 3736.442+/-0.473 χ^2/NDF: 1393547.4/55

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.172+/-0.346 χ^2/NDF:13.5/10

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.360+/-0.341 χ^2/NDF:18.0/9

Left: -0.267+/-0.243 χ^2/NDF: 31.6/20

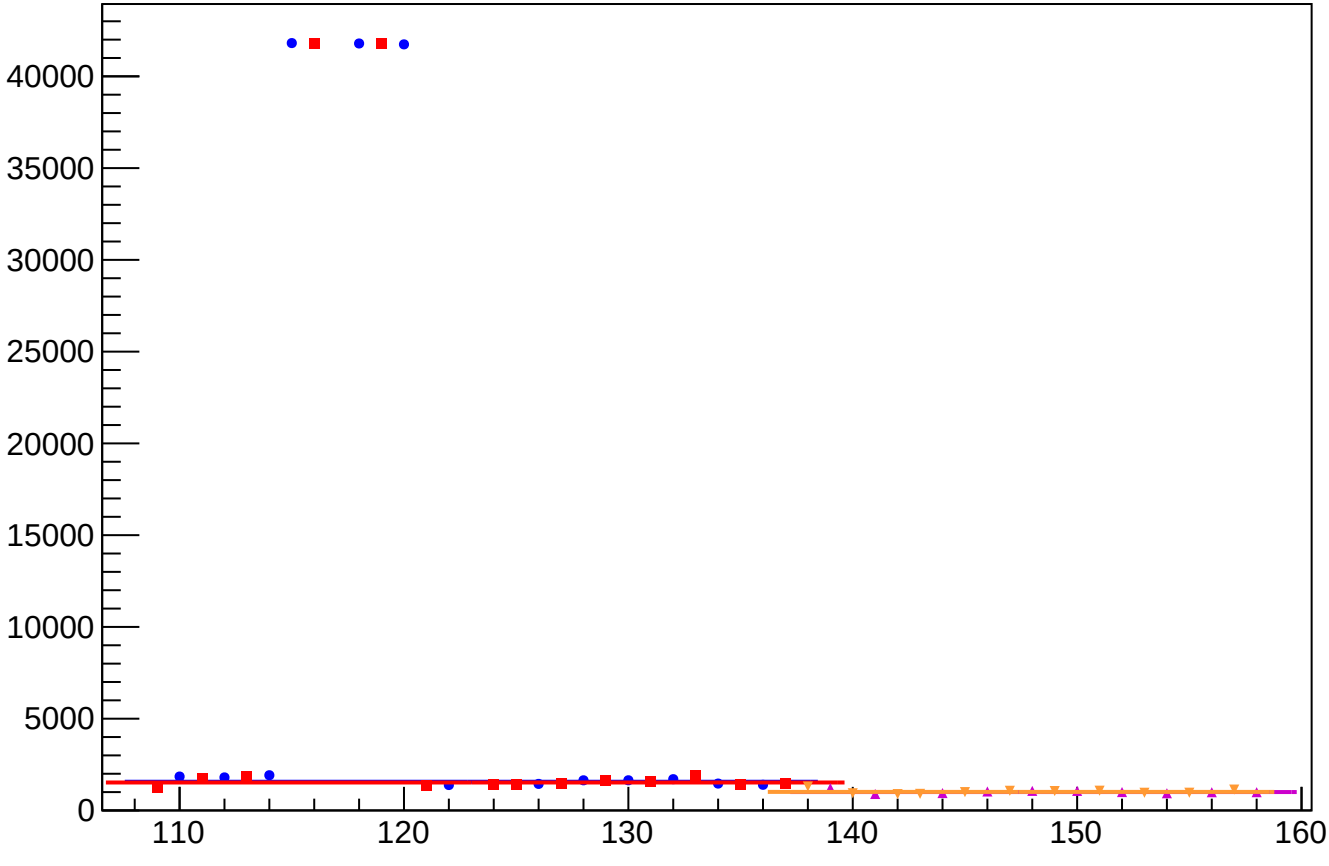
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.570+/-0.310 χ^2/NDF:31.2/22

Out: -0.250+/-0.311 χ^2/NDF:26.4/24

All: -0.411+/-0.220 χ^2/NDF: 58.1/47

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1010.978+/-0.244 χ^2/NDF:168478.6/10

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1002.864+/-0.241 χ^2/NDF:104225.7/9

Left: 1006.871+/-0.172 χ^2/NDF: 273262.0/20

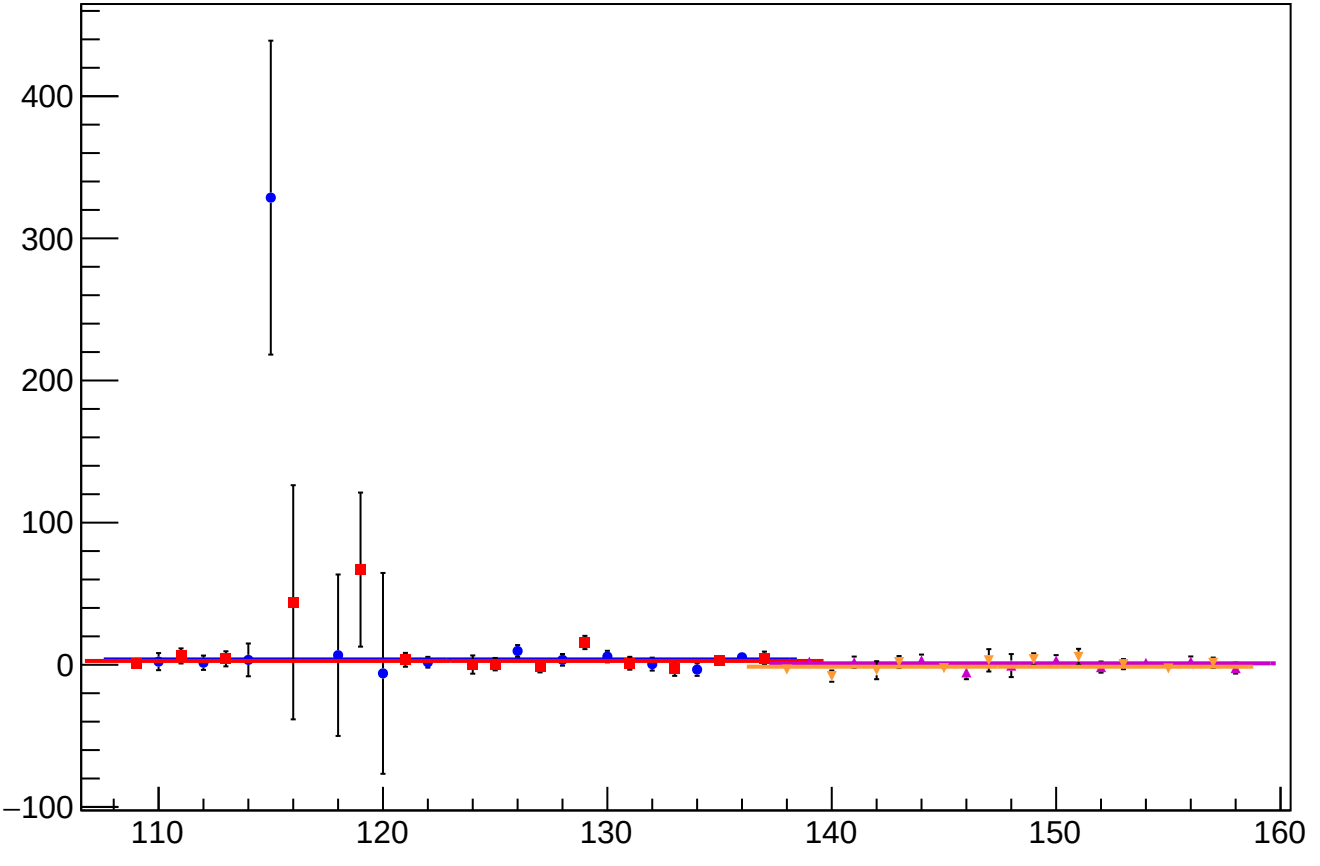
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1103.056+/-0.219 χ^2/NDF:3085943.4/22

Out: 1107.679+/-0.220 χ^2/NDF:2737663.3/24

All: 1105.354+/-0.155 χ^2/NDF: 5823828.5/47

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.356+/-1.122 χ^2/NDF:8.9/10

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 1.041+/-1.140 χ^2/NDF:4.1/9

Left: -0.177+/-0.800 χ^2/NDF: 15.3/20

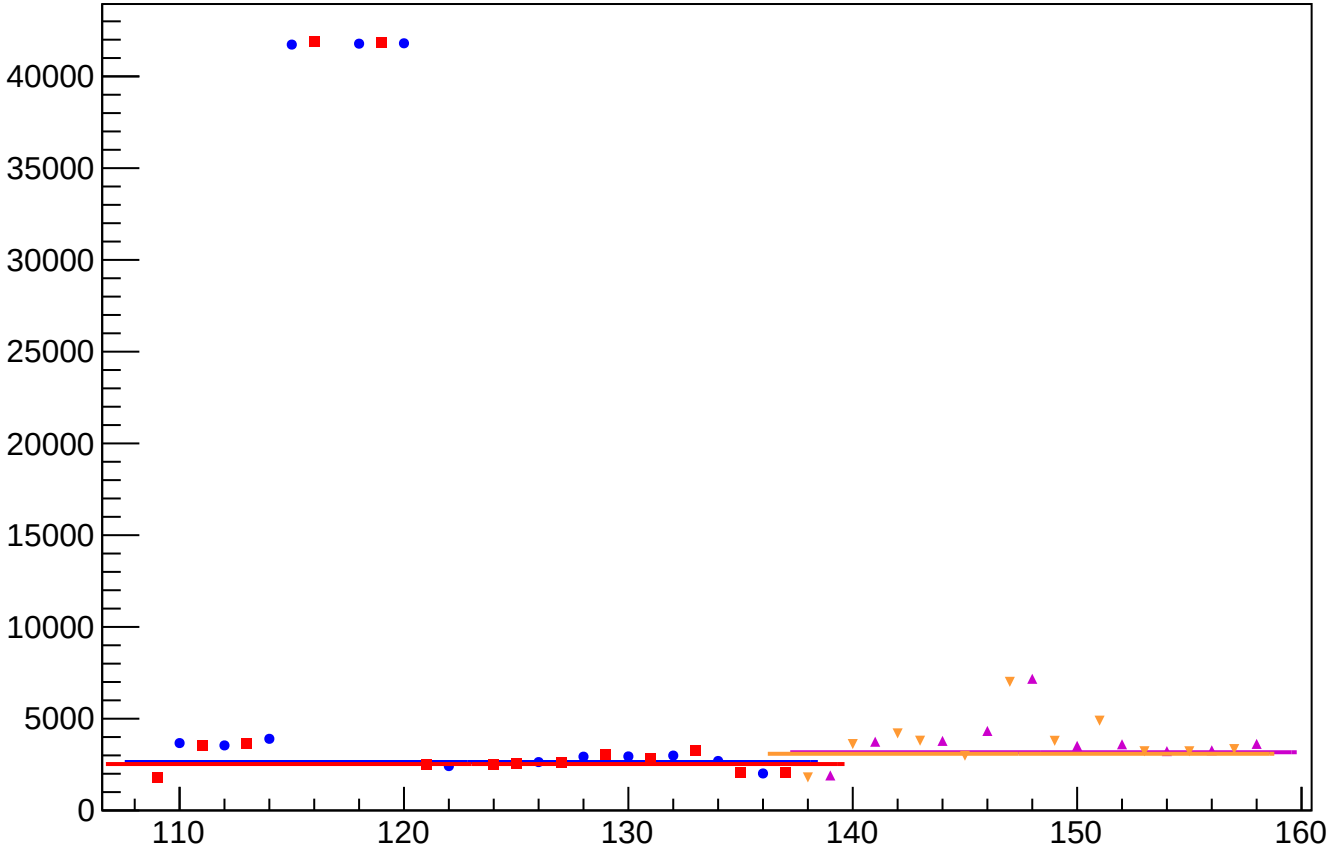
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.285+/-0.842 χ^2/NDF:21.9/22

Out: 0.521+/-0.823 χ^2/NDF:28.6/24

All: 1.383+/-0.588 χ^2/NDF: 52.7/47

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3088.270+/-0.793 χ^2/NDF:1685084.4/10

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3172.058+/-0.806 χ^2/NDF:1482207.0/9

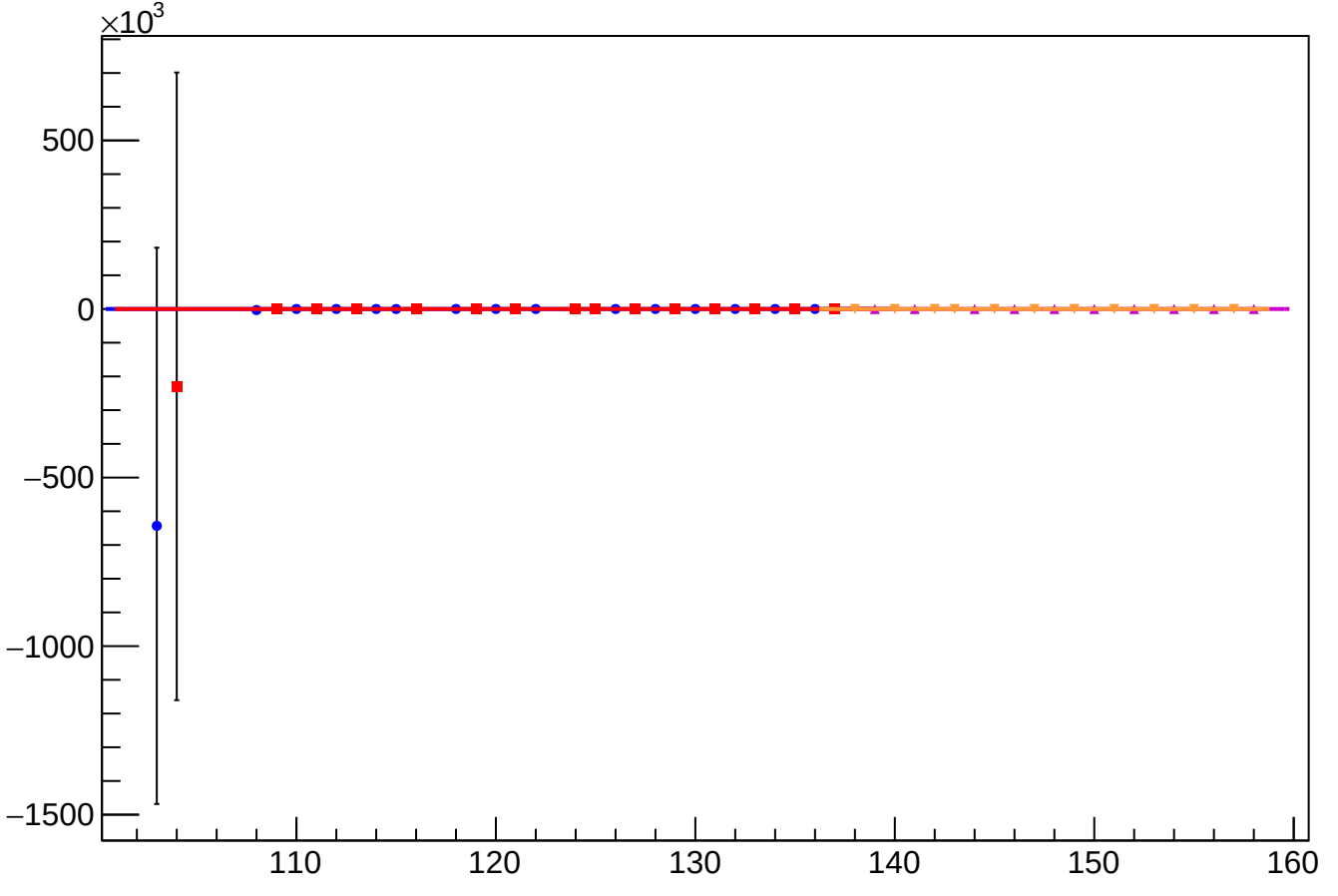
Left: 3129.488+/-0.565 χ^2/NDF: 3172779.9/20

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2930.070+/-0.595 χ^2/NDF:3853738.7/22

Out: 2829.976+/-0.582 χ^2/NDF:3864578.9/24

All: 2878.888+/-0.416 χ^2/NDF: 7732775.8/47



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.848+/-0.539 χ^2/NDF:24.3/10

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.310+/-0.543 χ^2/NDF:11.4/9

Left: -0.777+/-0.383 χ^2/NDF: 43.6/20

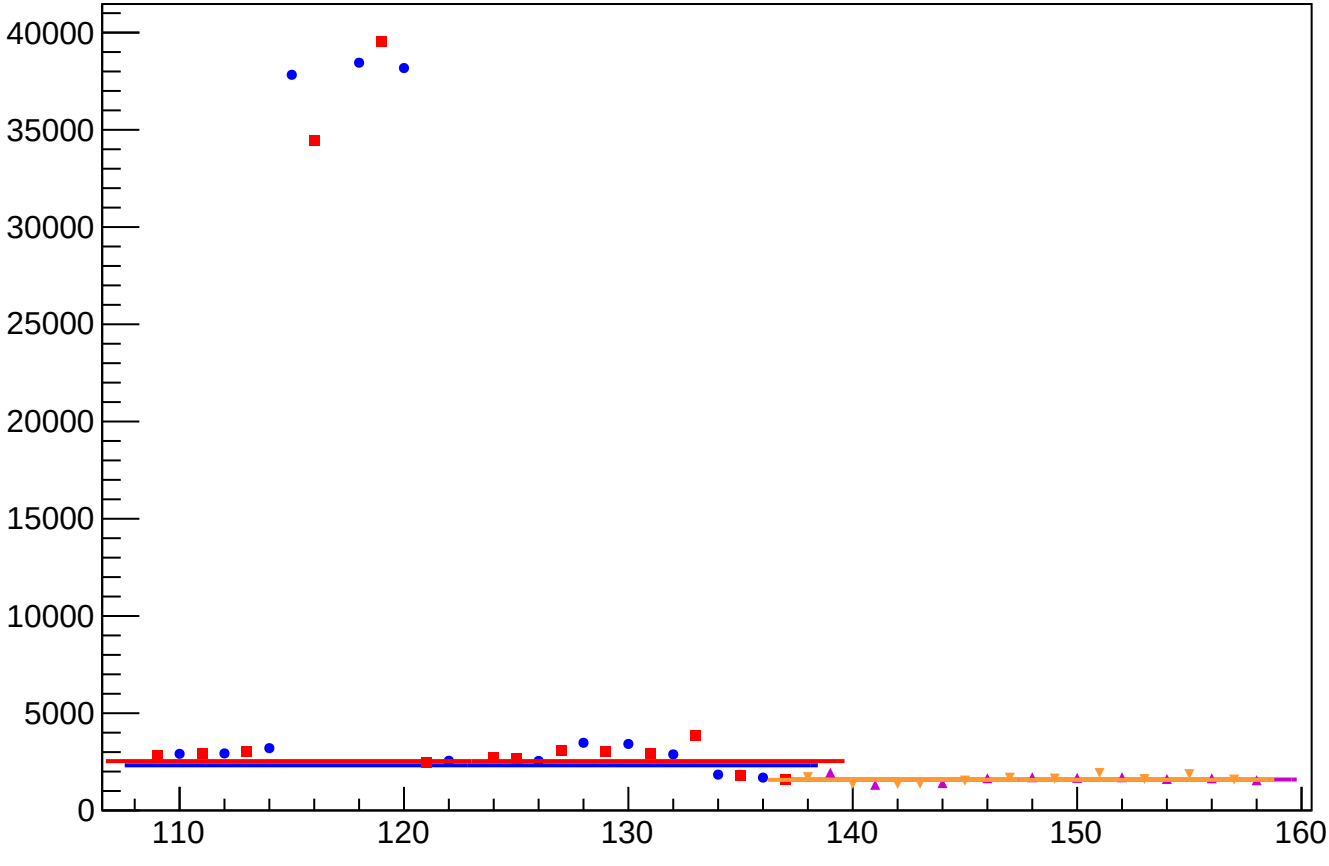
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.022+/-0.489 χ^2/NDF:31.7/24

Out: -1.101+/-0.493 χ^2/NDF:50.3/25

All: -0.535+/-0.347 χ^2/NDF: 84.6/50

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1574.123+/-0.381 χ^2/NDF:216332.1/10

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1590.515+/-0.384 χ^2/NDF:187351.4/9

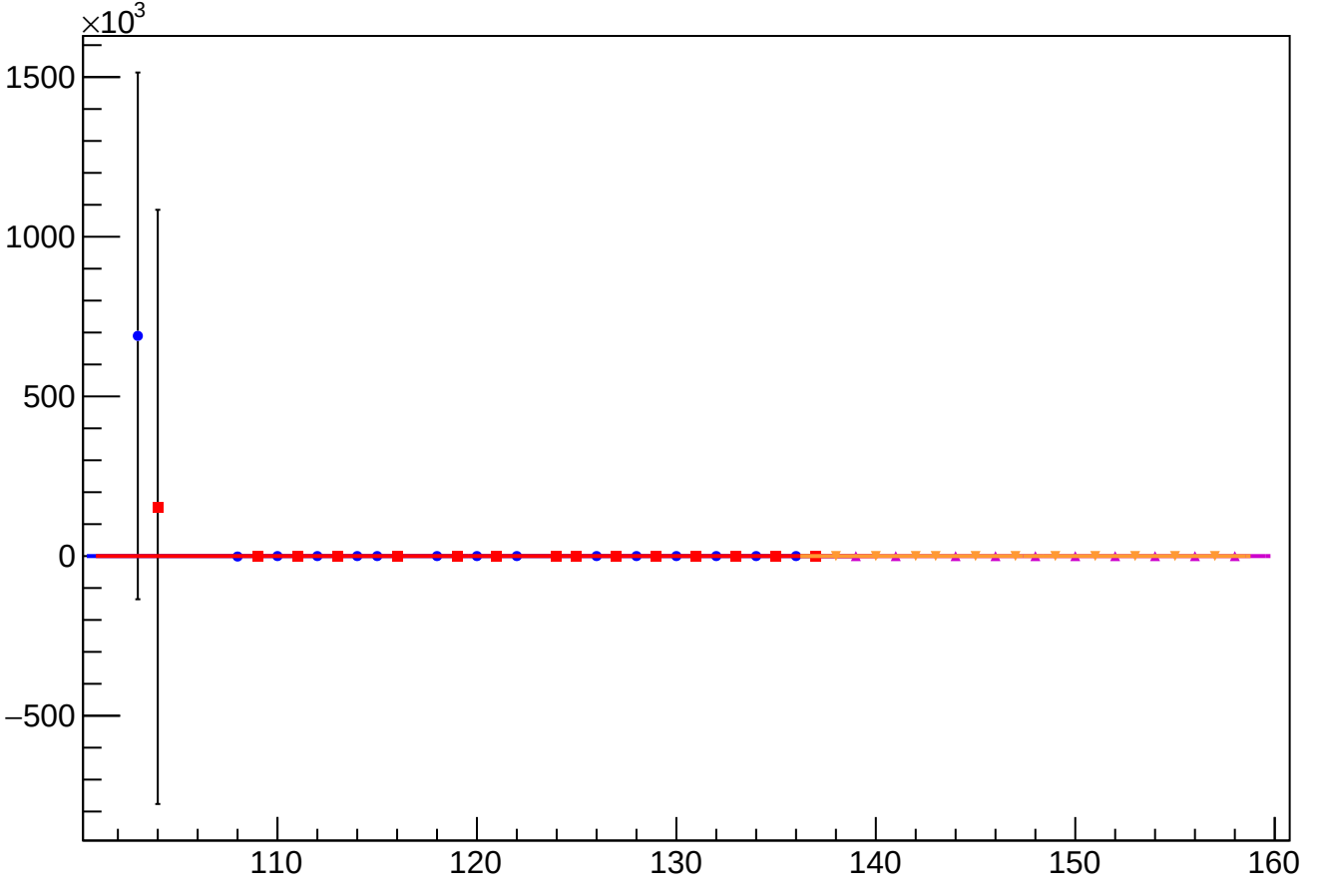
Left: 1582.260+/-0.271 χ^2/NDF: 404601.0/20

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1728.427+/-0.346 χ^2/NDF:3331341.2/22

Out: 1733.518+/-0.348 χ^2/NDF:3310827.7/24

All: 1730.954+/-0.245 χ^2/NDF: 6642276.5/47



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.258+/-0.740 χ^2/NDF:11.9/10

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.135+/-0.695 χ^2/NDF:3.9/9

Left: -0.193+/-0.506 χ^2/NDF: 15.8/20

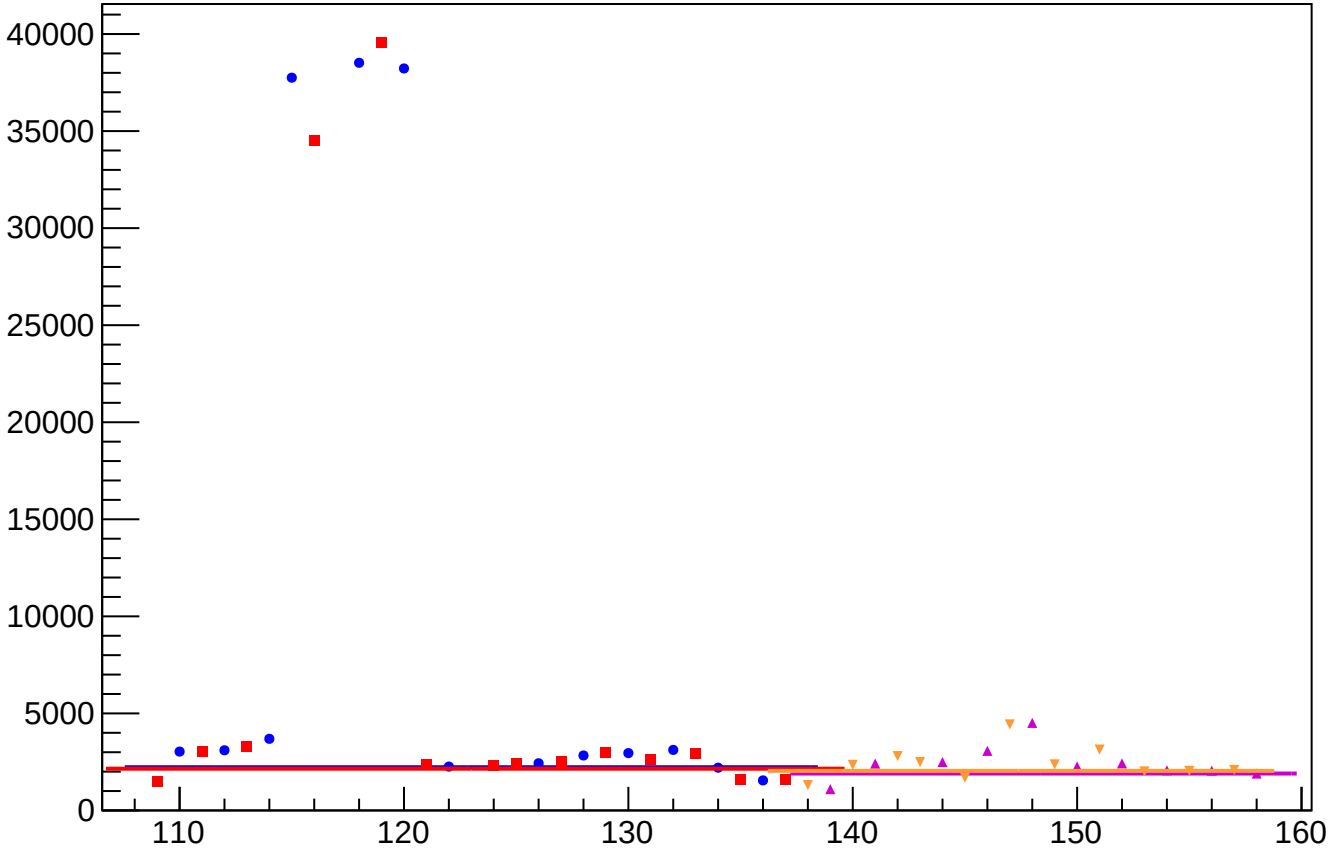
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.407+/-0.584 χ^2/NDF:11.0/24

Out: 0.454+/-0.605 χ^2/NDF:30.0/25

All: 0.430+/-0.420 χ^2/NDF: 41.0/50

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2039.444+/-0.523 χ^2/NDF:1309142.2/10

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1902.123+/-0.491 χ^2/NDF:1992145.7/9

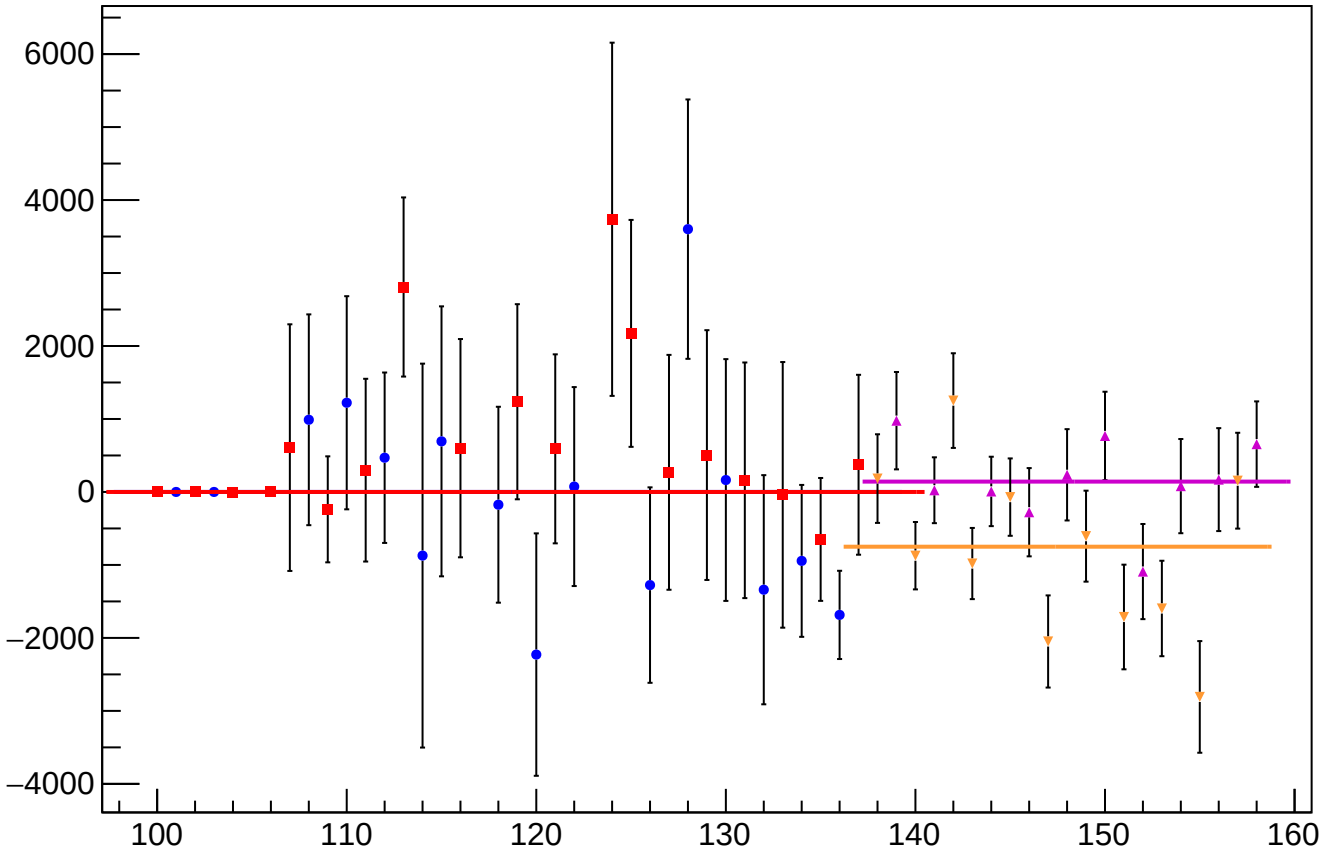
Left: 1966.531+/-0.358 χ^2/NDF: 3337900.3/20

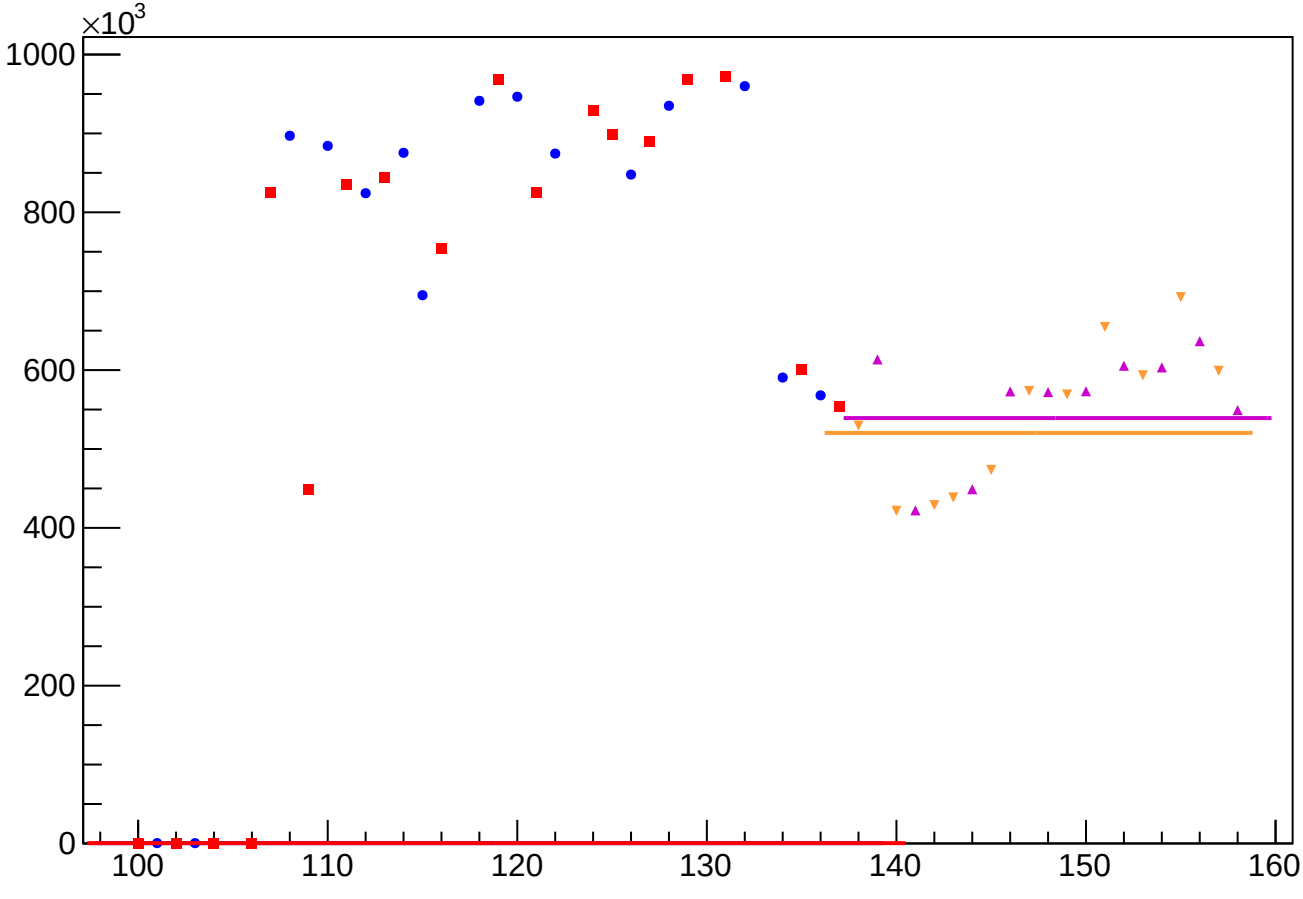
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1997.713+/-0.413 χ^2/NDF:4642964.9/22

Out: 2076.301+/-0.428 χ^2/NDF:3555478.0/24

All: 2035.616+/-0.297 χ^2/NDF: 8215915.6/47


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -750.101+/-179.794 χ²/NDF:30.7/10
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 141.793+/-184.813 χ²/NDF:7.6/9
Left: -316.430+/-128.871 χ²/NDF: 50.3/20
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:26.0/25
Out: -0.098+/-0.328 χ²/NDF:63.5/29
All: 0.064+/-0.241 χ²/NDF: 90.1/55



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 520380.806+/-127.133 χ^2/NDF:455121.7/10

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 539165.901+/-130.683 χ^2/NDF:328569.8/9

Left: 529514.790+/-91.126 χ^2/NDF: 794307.3/20

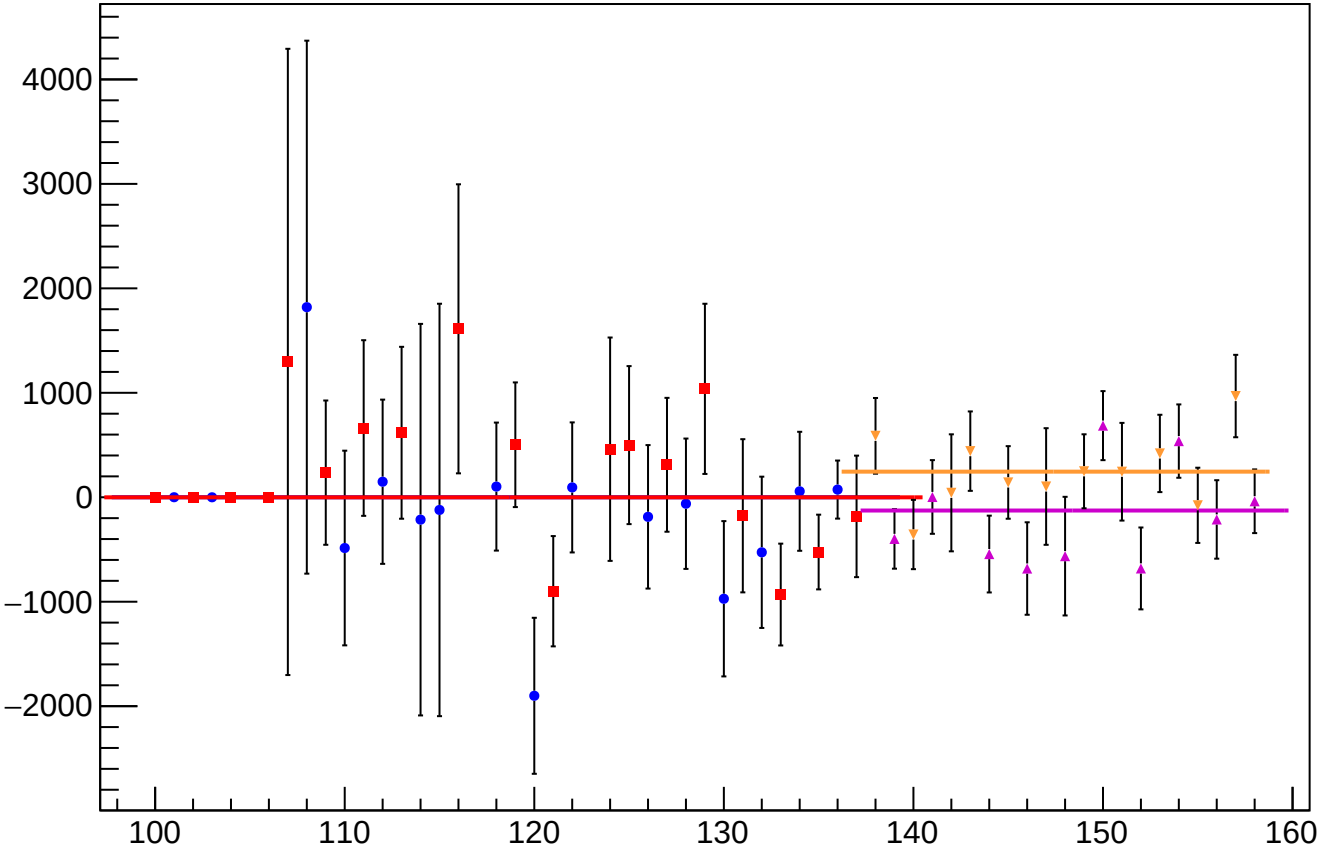
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 400.876+/-0.251 χ^2/NDF:25817092.7/24

Out: 394.968+/-0.232 χ^2/NDF:24832530.3/28

All: 397.682+/-0.170 χ^2/NDF: 50649921.5/53

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 245.222+/-117.614 χ^2/NDF:9.1/10

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -126.934+/-113.538 χ^2/NDF:16.3/9

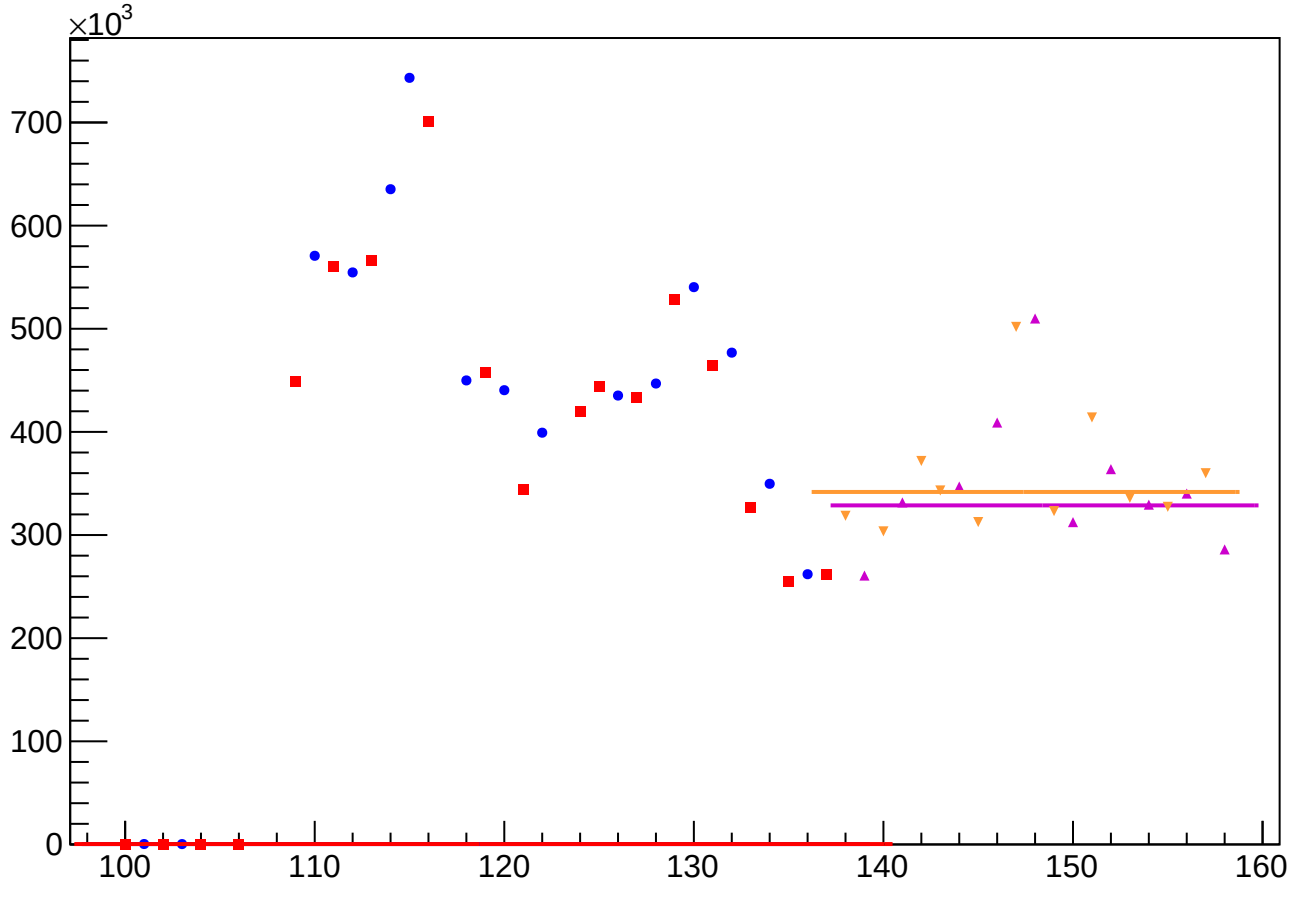
Left: 52.583+/-81.686 χ^2/NDF: 30.6/20

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:28.0/25

Out: -0.597+/-0.324 χ^2/NDF:28.5/29

All: -0.329+/-0.237 χ^2/NDF: 57.9/55



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341772.960+/-83.166 χ^2/NDF:280140.9/10

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 328743.938+/-80.291 χ^2/NDF:450331.1/9

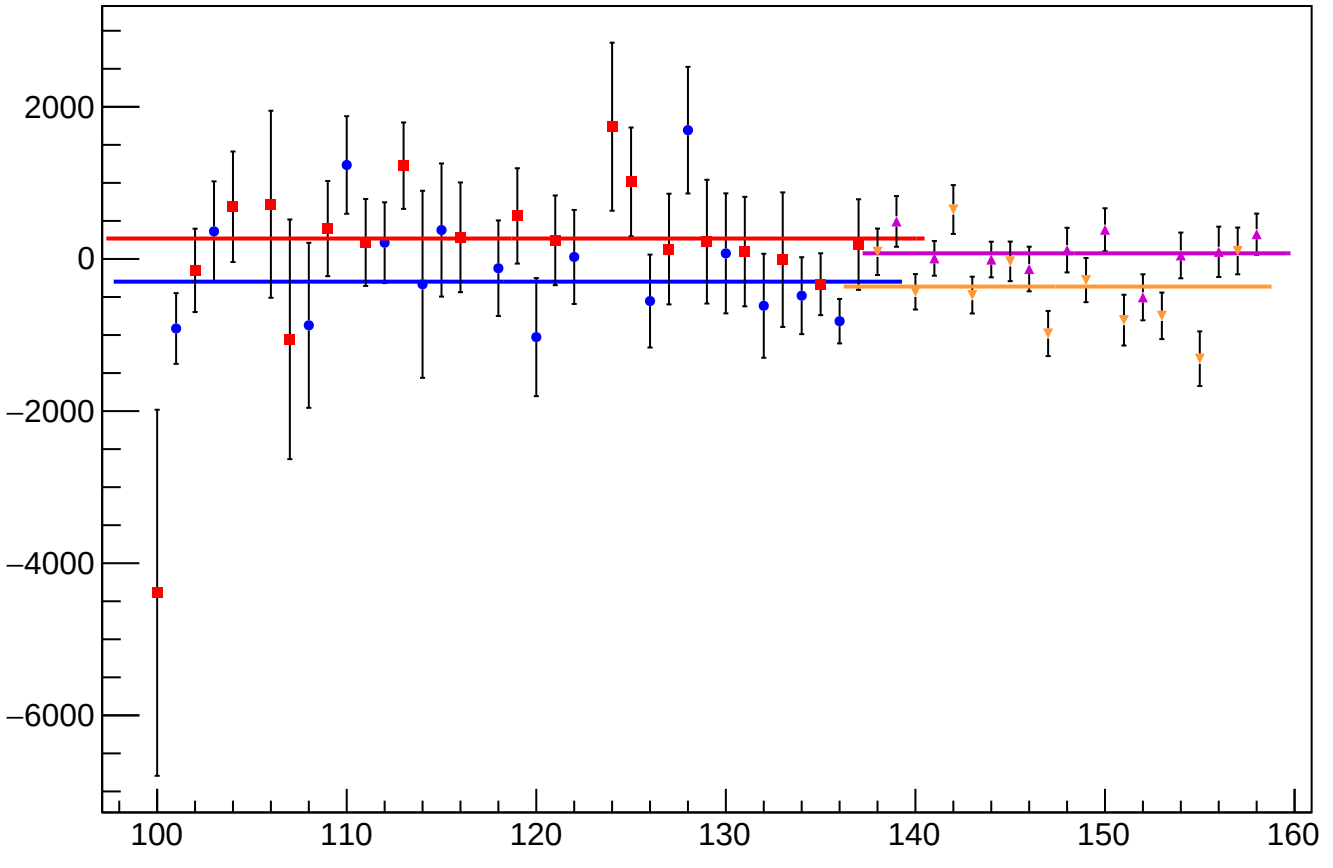
Left: 335029.412+/-57.764 χ^2/NDF: 743175.2/20

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 393.344+/-0.245 χ^2/NDF:28306674.0/24

Out: 390.572+/-0.229 χ^2/NDF:28204377.0/28

All: 391.862+/-0.167 χ^2/NDF: 56511119.3/53



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -363.041+/-87.061 χ^2/NDF:31.1/10

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 74.386+/-88.728 χ^2/NDF:8.1/9

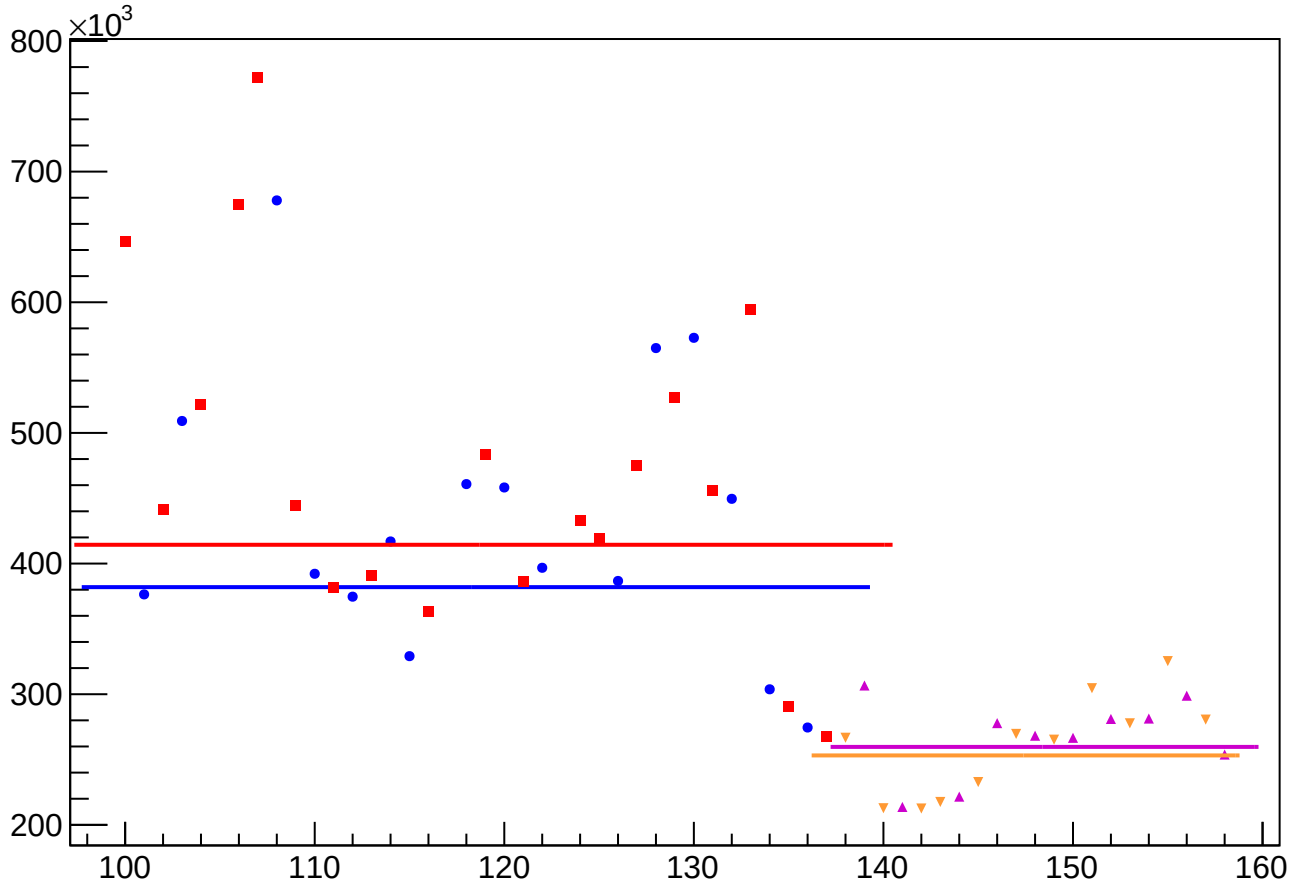
Left: -148.476+/-62.142 χ^2/NDF: 51.6/20

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -24.761+/-76.013 χ^2/NDF:33.9/25

Out: -213.815+/-76.090 χ^2/NDF:57.5/29

All: -119.193+/-53.777 χ^2/NDF: 94.5/55



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 253152.991+/-61.561 χ^2/NDF:318463.3/10

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 259678.221+/-62.740 χ^2/NDF:233490.0/9

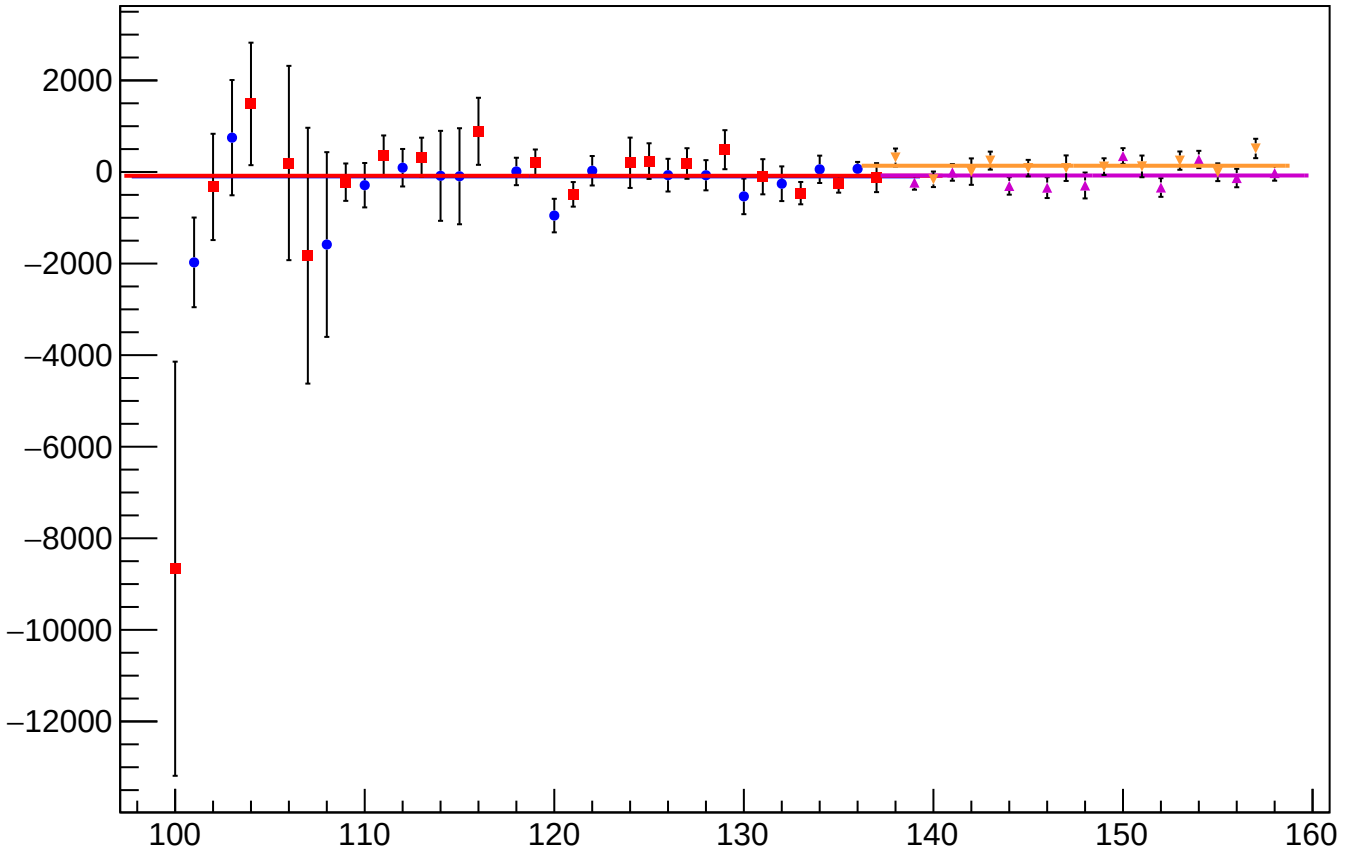
Left: 256353.729+/-43.941 χ^2/NDF: 557464.4/20

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 292203.934+/-53.752 χ^2/NDF:2080350.4/25

Out: 291210.194+/-53.807 χ^2/NDF:2697578.1/29

All: 291707.572+/-38.028 χ^2/NDF: 4778099.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 136.578+/-61.529 χ^2/NDF:8.6/10

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -76.640+/-60.005 χ^2/NDF:15.9/9

Left: 27.296+/-42.959 χ^2/NDF: 30.6/20

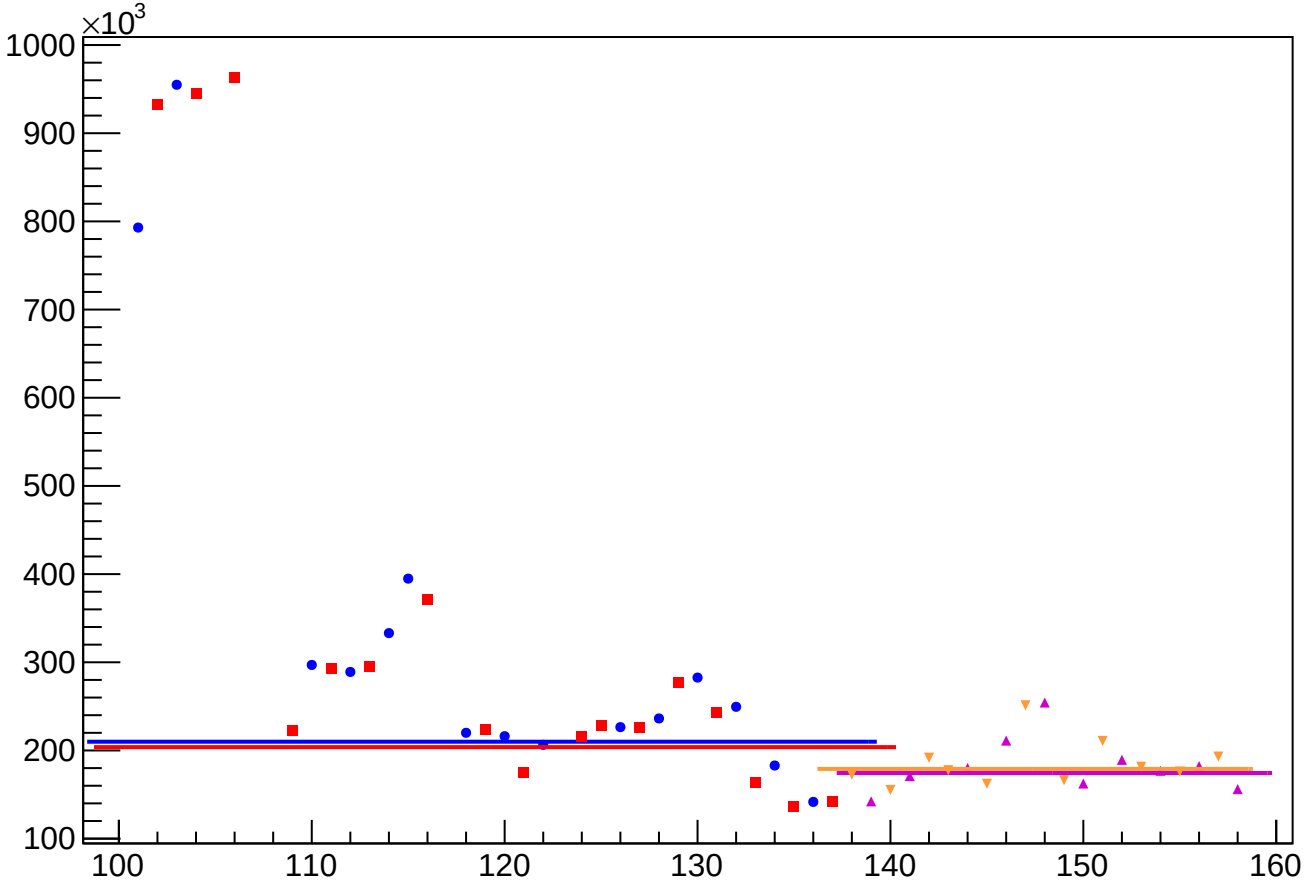
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -82.712+/-49.624 χ^2/NDF:29.6/25

Out: 63.804+/-50.296 χ^2/NDF:31.9/29

All: -10.439+/-35.325 χ^2/NDF: 65.8/55

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179093.688+/-43.508 χ^2/NDF:252013.4/10

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 174458.157+/-42.430 χ^2/NDF:348208.8/9

Left: 176717.800+/-30.377 χ^2/NDF: 606040.4/20

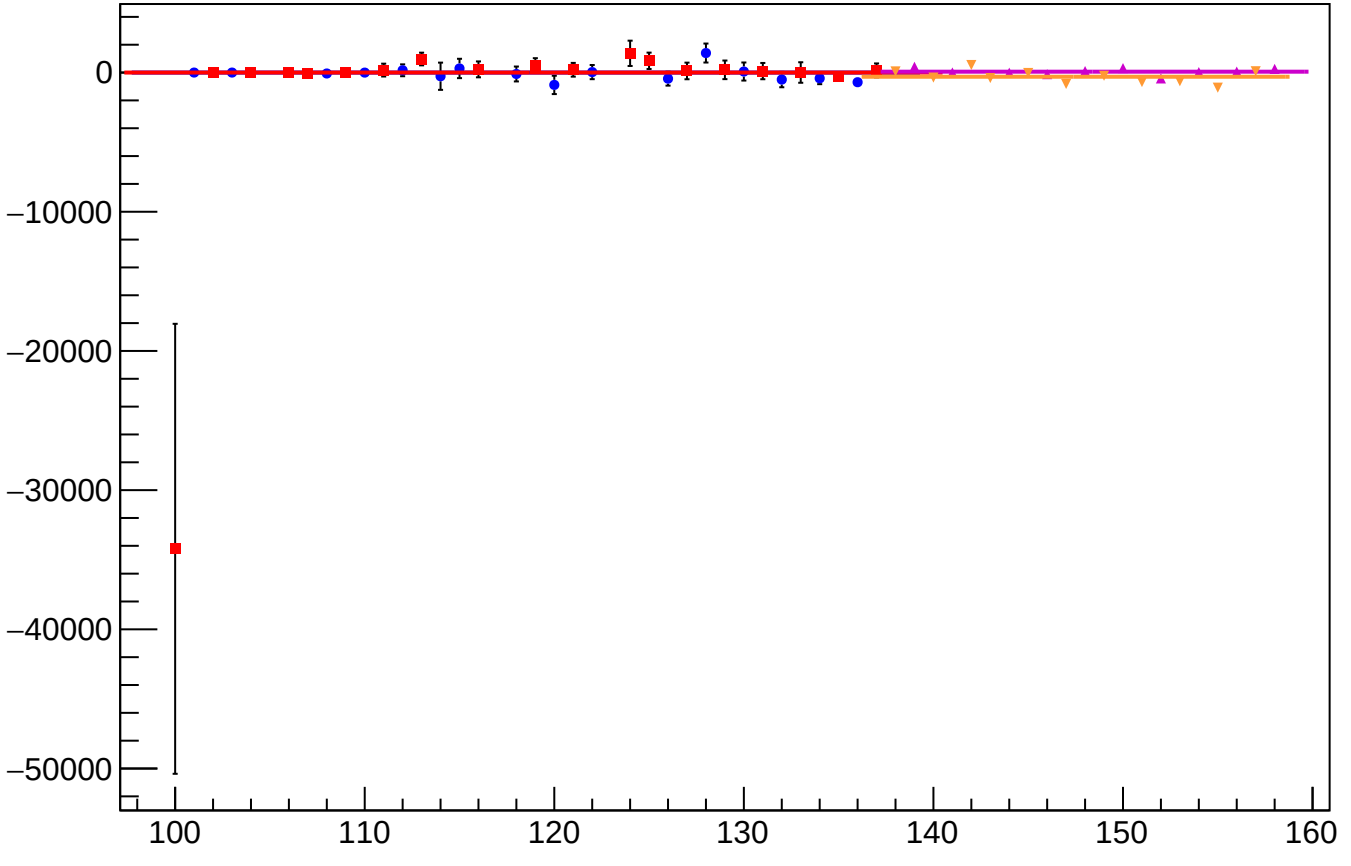
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185643.066+/-35.109 χ^2/NDF:2528477.9/24

Out: 187262.086+/-35.594 χ^2/NDF:2429075.6/27

All: 186441.470+/-24.995 χ^2/NDF: 4958602.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -300.142+/-72.764 χ^2/NDF:31.2/10

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 62.742+/-74.274 χ^2/NDF:8.0/9

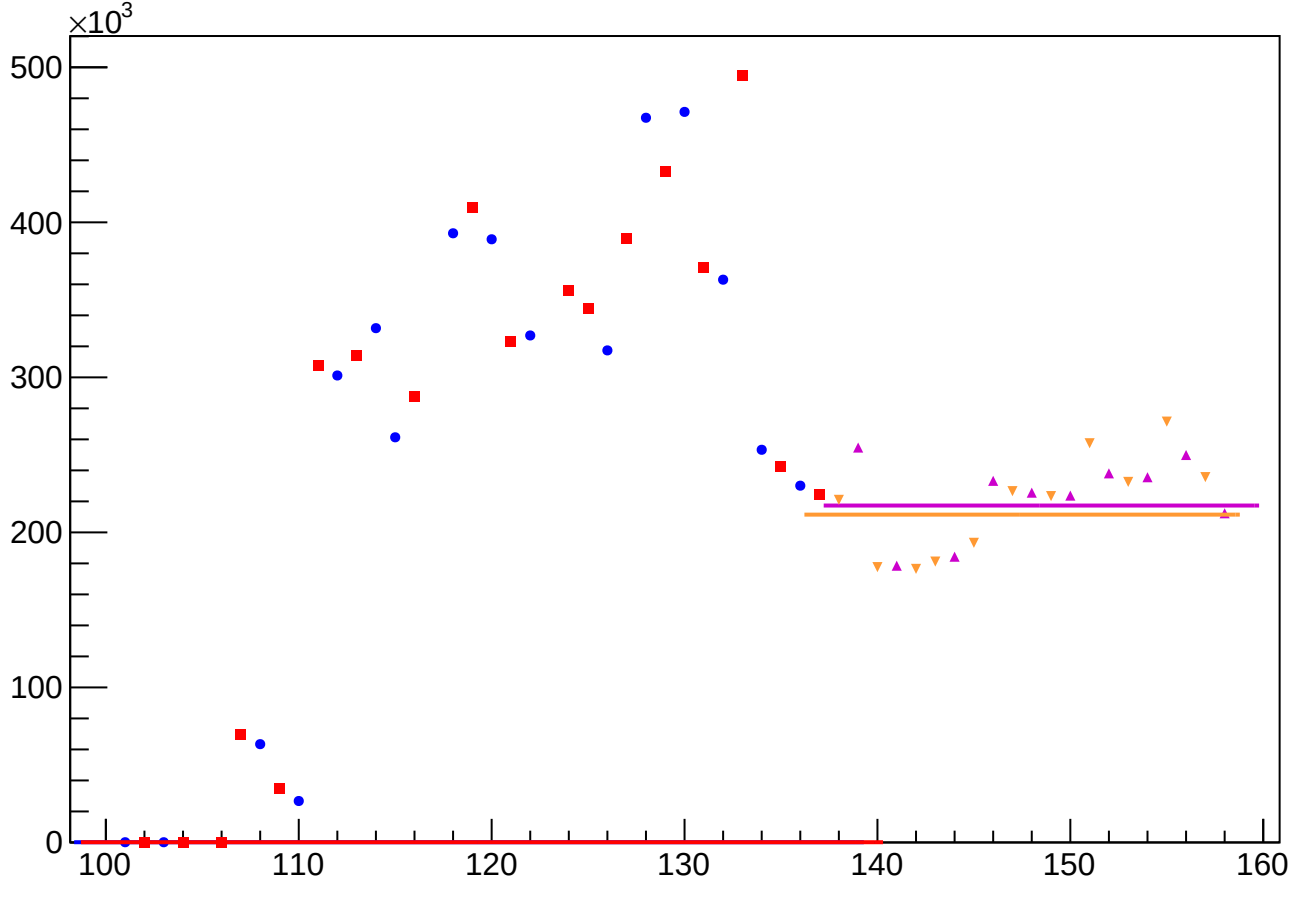
Left: -122.427+/-51.977 χ^2/NDF: 51.3/20

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:26.8/25

Out: 0.354+/-0.160 χ^2/NDF:64.7/29

All: 0.174+/-0.117 χ^2/NDF: 94.3/55



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 211460.144+/-51.452 χ^2/NDF:333945.1/10

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 217325.570+/-52.520 χ^2/NDF:241133.6/9

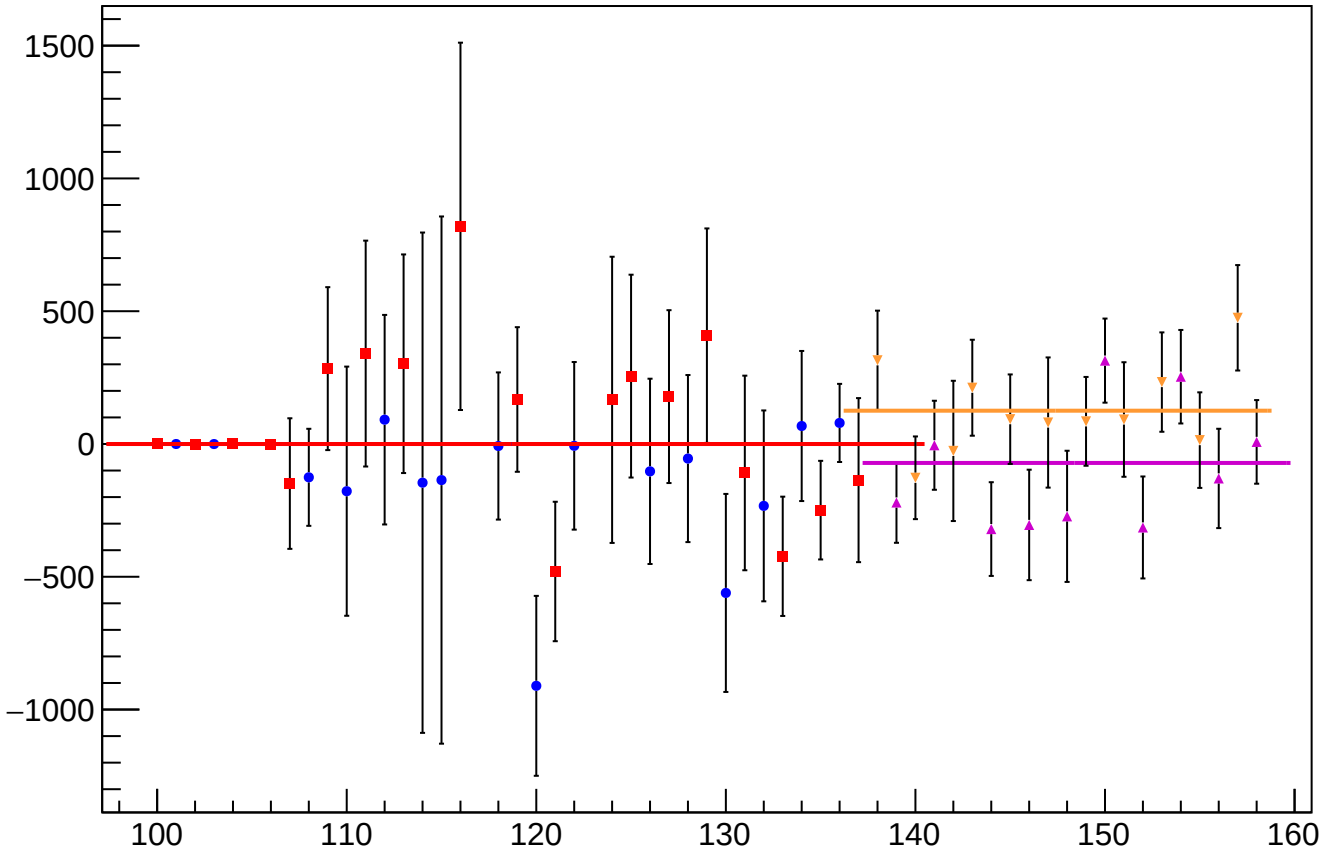
Left: 214332.620+/-36.754 χ^2/NDF: 581443.0/20

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.260+/-0.122 χ^2/NDF:28642420.6/25

Out: 150.402+/-0.113 χ^2/NDF:28489758.0/28

All: 150.336+/-0.083 χ^2/NDF: 57132179.4/54



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 125.364+/-56.907 χ^2/NDF:8.2/10

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -71.394+/-56.004 χ^2/NDF:16.3/9

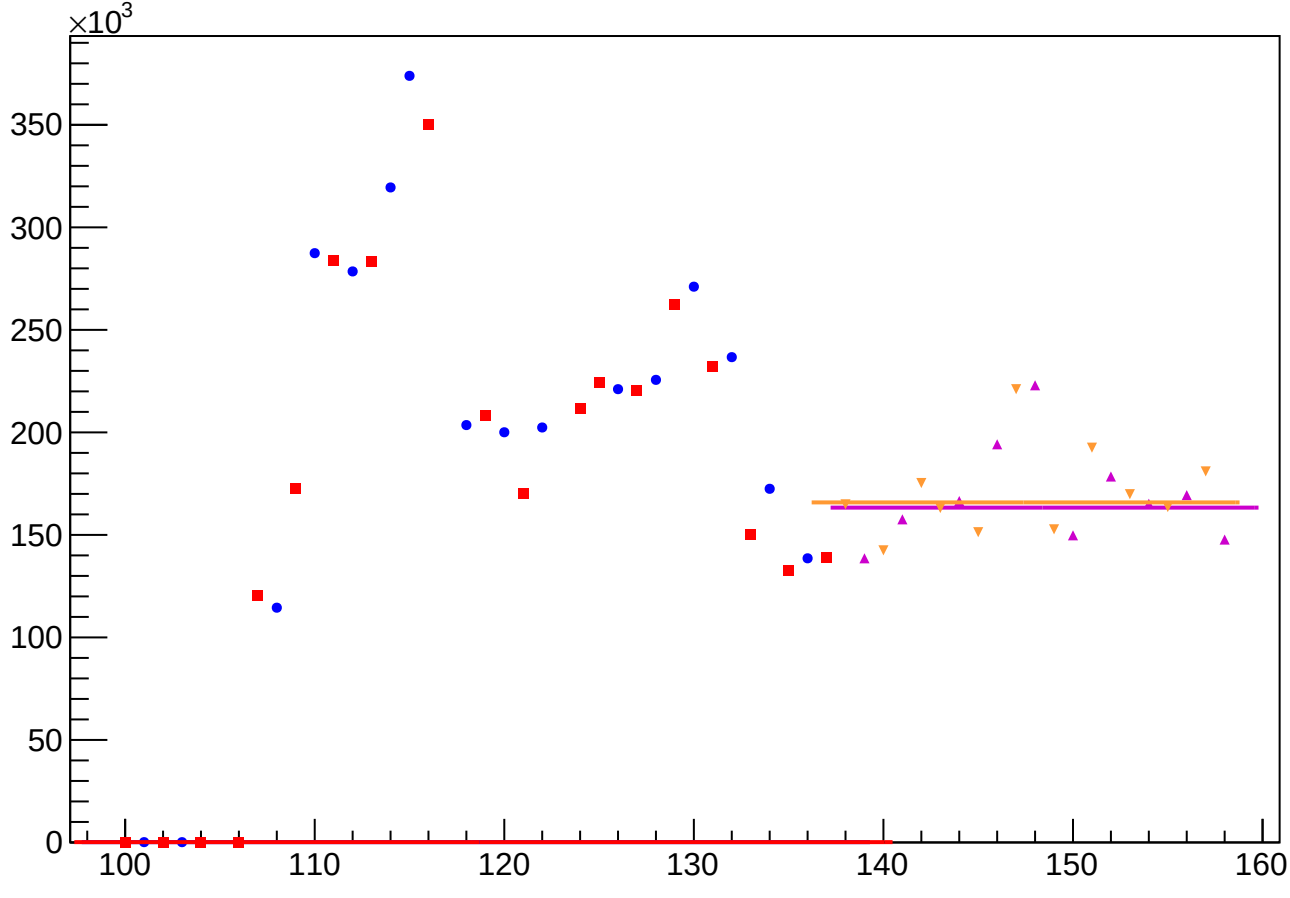
Left: 25.411+/-39.916 χ^2/NDF: 30.6/20

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:29.1/25

Out: -0.125+/-0.166 χ^2/NDF:28.3/29

All: -0.099+/-0.121 χ^2/NDF: 57.5/55



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 165851.101+/-40.239 χ^2/NDF:220342.9/10

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 163304.608+/-39.601 χ^2/NDF:265832.1/9

Left: 164557.482+/-28.225 χ^2/NDF: 488209.5/20

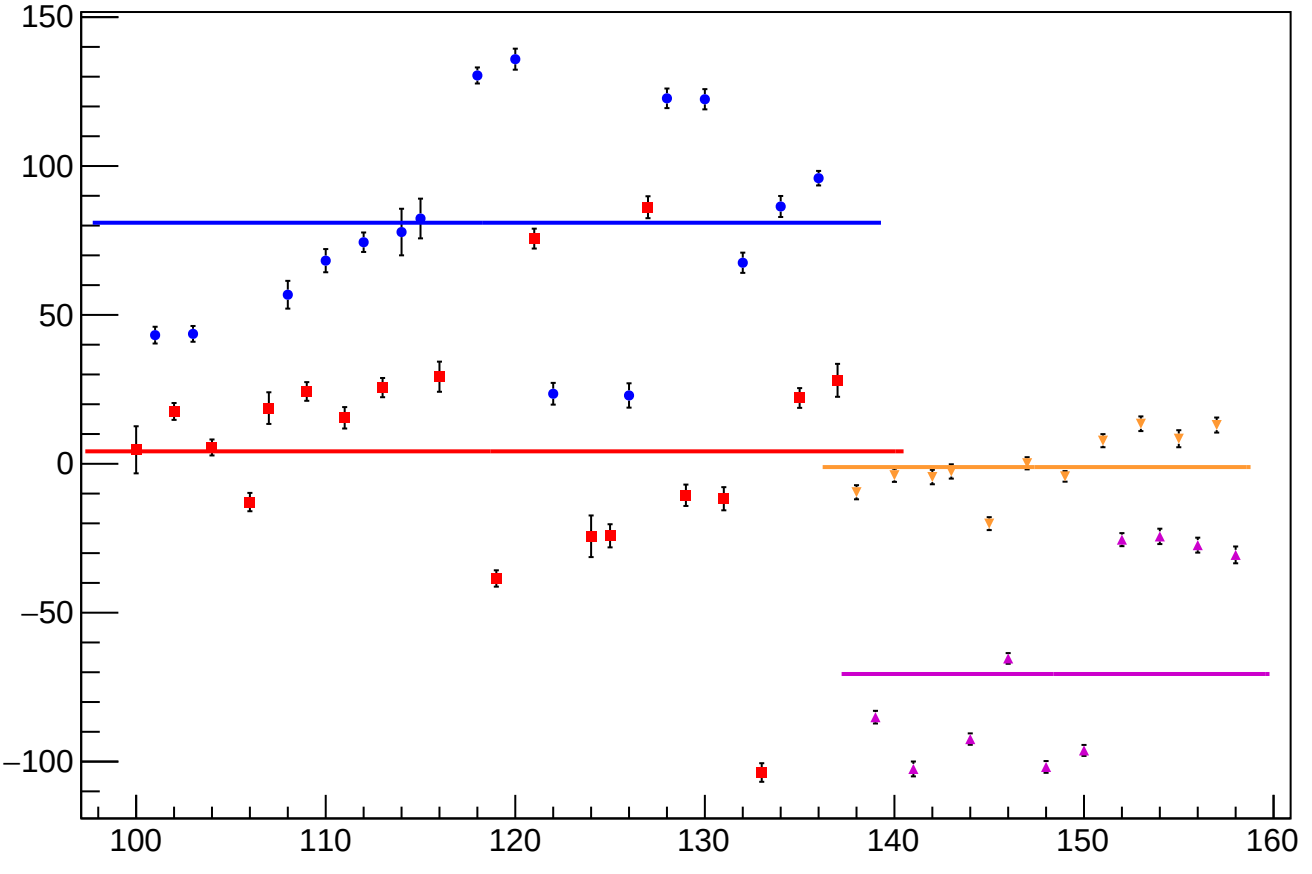
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.094+/-0.125 χ^2/NDF:29144219.9/25

Out: 157.576+/-0.118 χ^2/NDF:28506744.0/29

All: 156.412+/-0.086 χ^2/NDF: 57651172.2/55

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -1.100+/-0.684 χ^2/NDF:189.8/10

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -70.585+/-0.681 χ^2/NDF:2031.2/9

Left: -35.999+/-0.483 χ^2/NDF: 7404.1/20

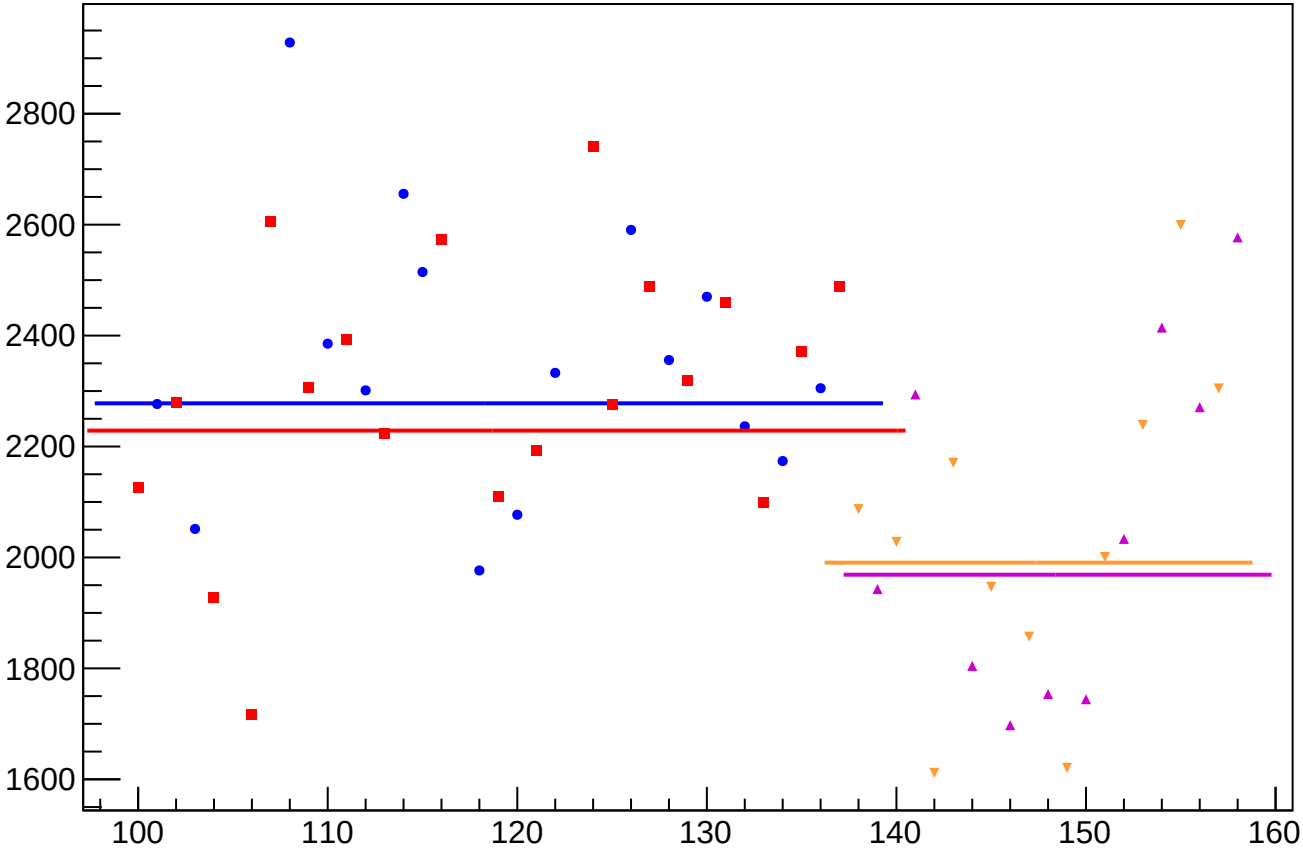
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -11.472+/-0.532 χ^2/NDF:23165.2/25

Out: 1.067+/-0.525 χ^2/NDF:2934.0/29

All: -5.125+/-0.374 χ^2/NDF: 26380.6/55

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1990.627+/-0.484 χ^2/NDF:301303.1/10

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1968.921+/-0.481 χ^2/NDF:330988.9/9

Left: 1979.725+/-0.341 χ^2/NDF: 633303.7/20

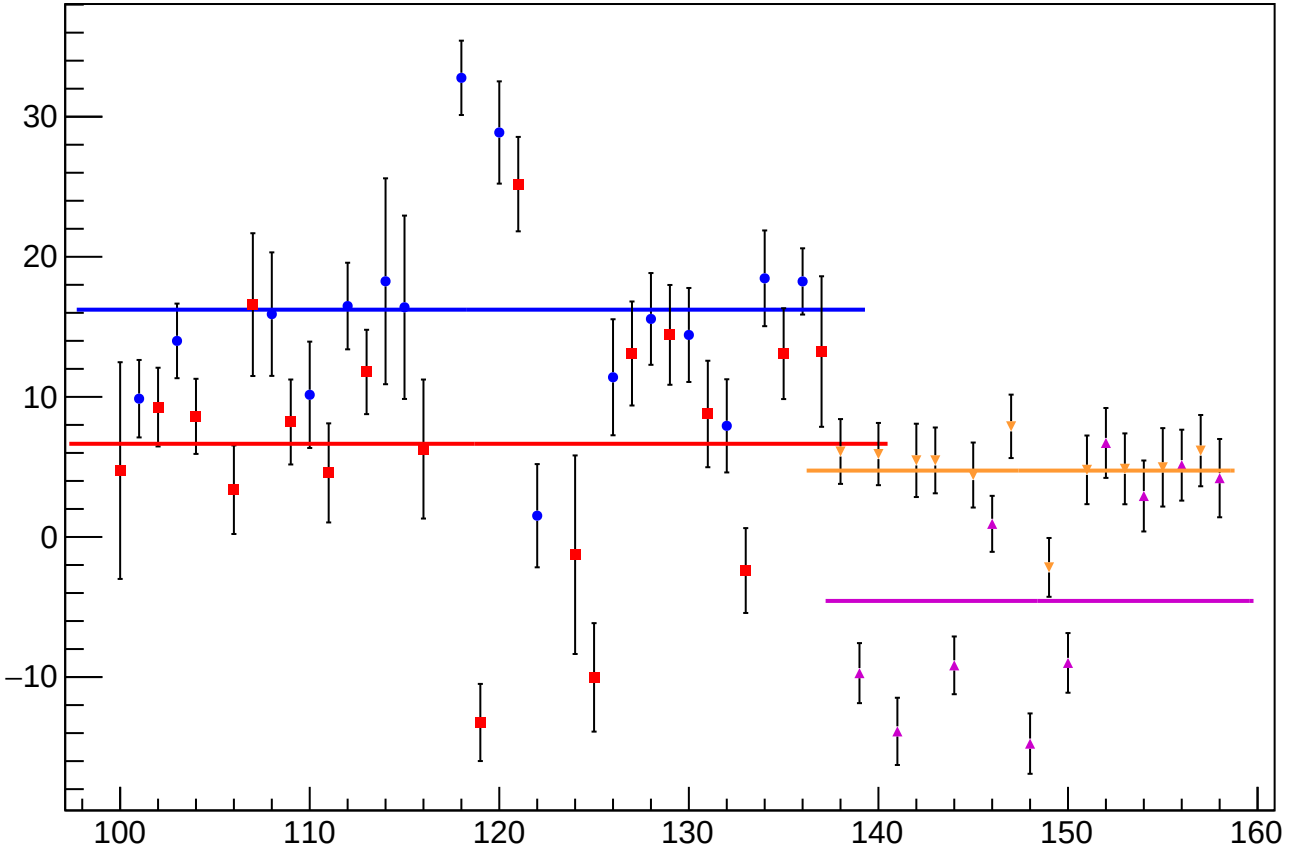
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2089.435+/-0.376 χ^2/NDF:607360.7/25

Out: 2088.291+/-0.371 χ^2/NDF:551829.0/29

All: 2088.856+/-0.264 χ^2/NDF: 1159194.4/55

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.739+/-0.720 χ^2/NDF:13.9/10

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -4.564+/-0.723 χ^2/NDF:113.7/9

Left: 0.107+/-0.510 χ^2/NDF: 210.8/20

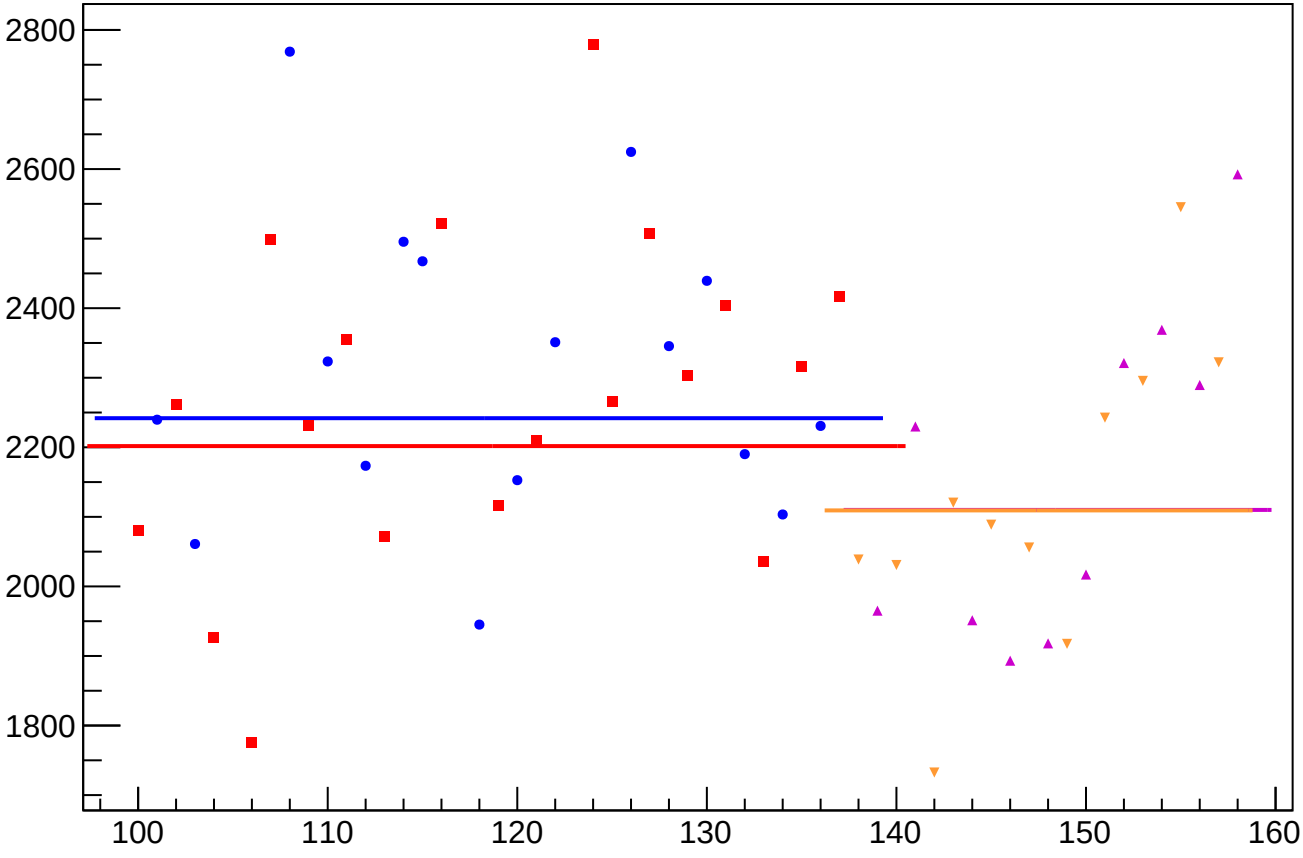
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.310+/-0.547 χ^2/NDF:551.4/25

Out: 5.584+/-0.538 χ^2/NDF:151.6/29

All: 4.958+/-0.384 χ^2/NDF: 705.7/55

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2109.284+/-0.509 χ^2/NDF:143118.6/10

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2109.980+/-0.511 χ^2/NDF:174092.1/9

Left: 2109.631+/-0.361 χ^2/NDF: 317211.6/20

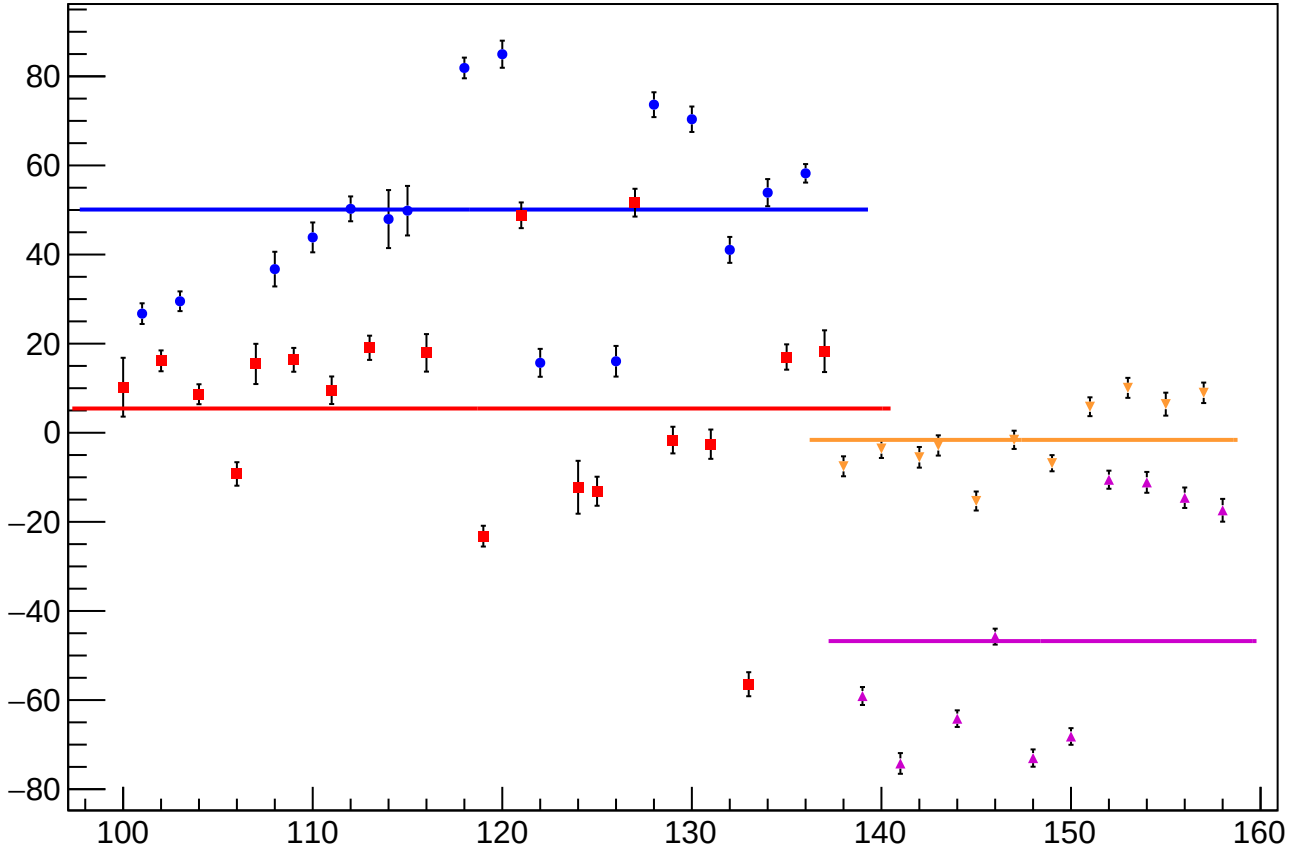
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2166.272+/-0.387 χ^2/NDF:304766.0/25

Out: 2150.124+/-0.380 χ^2/NDF:287573.1/29

All: 2158.059+/-0.271 χ^2/NDF: 593224.8/55

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -1.600+/-0.655 χ^2/NDF:131.1/10

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -46.761+/-0.652 χ^2/NDF:1457.0/9

Left: -24.288+/-0.462 χ^2/NDF: 3974.1/20

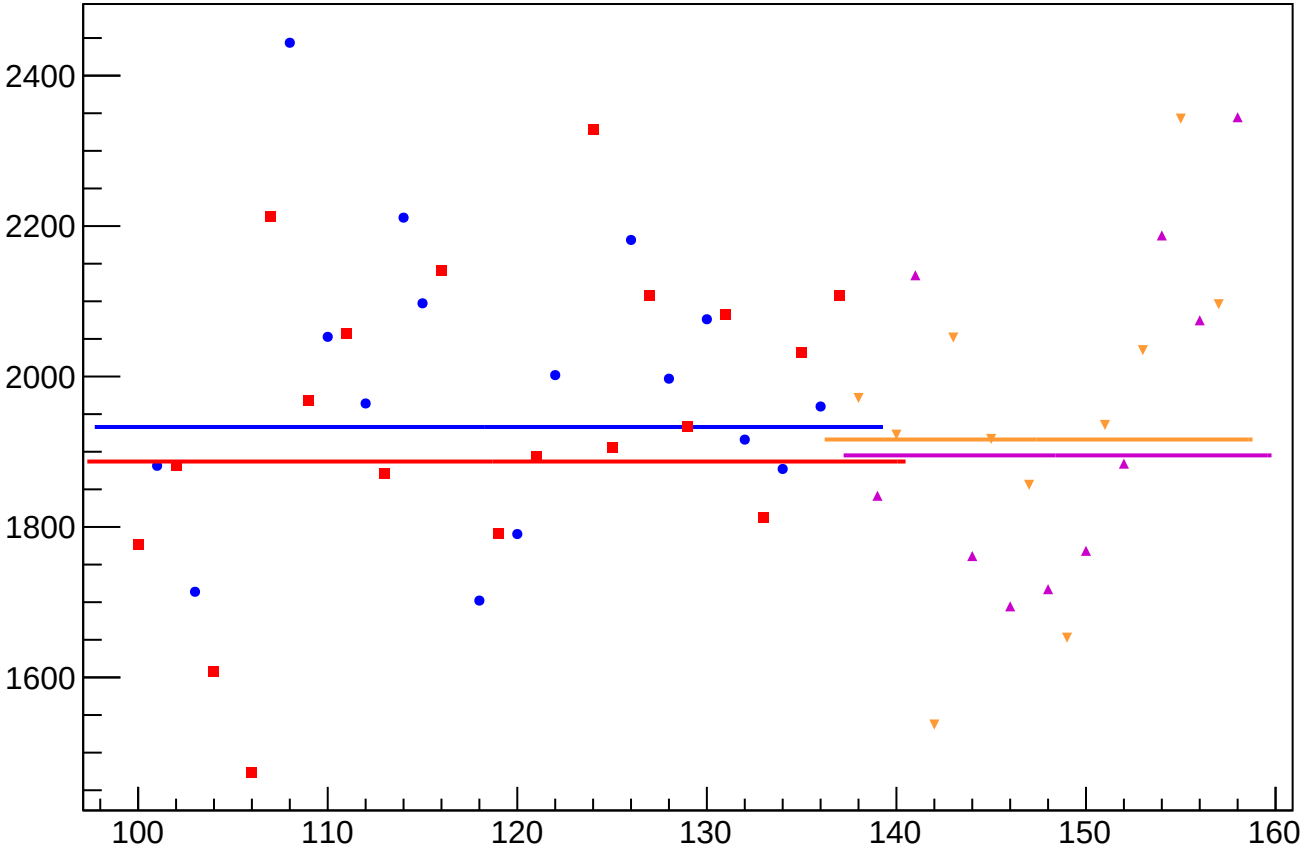
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.246+/-0.484 χ^2/NDF:12255.1/25

Out: 1.719+/-0.477 χ^2/NDF:1497.1/29

All: -0.725+/-0.340 χ^2/NDF: 13805.6/55

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1916.268+/-0.463 χ^2/NDF:178490.5/10

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1895.172+/-0.461 χ^2/NDF:189433.9/9

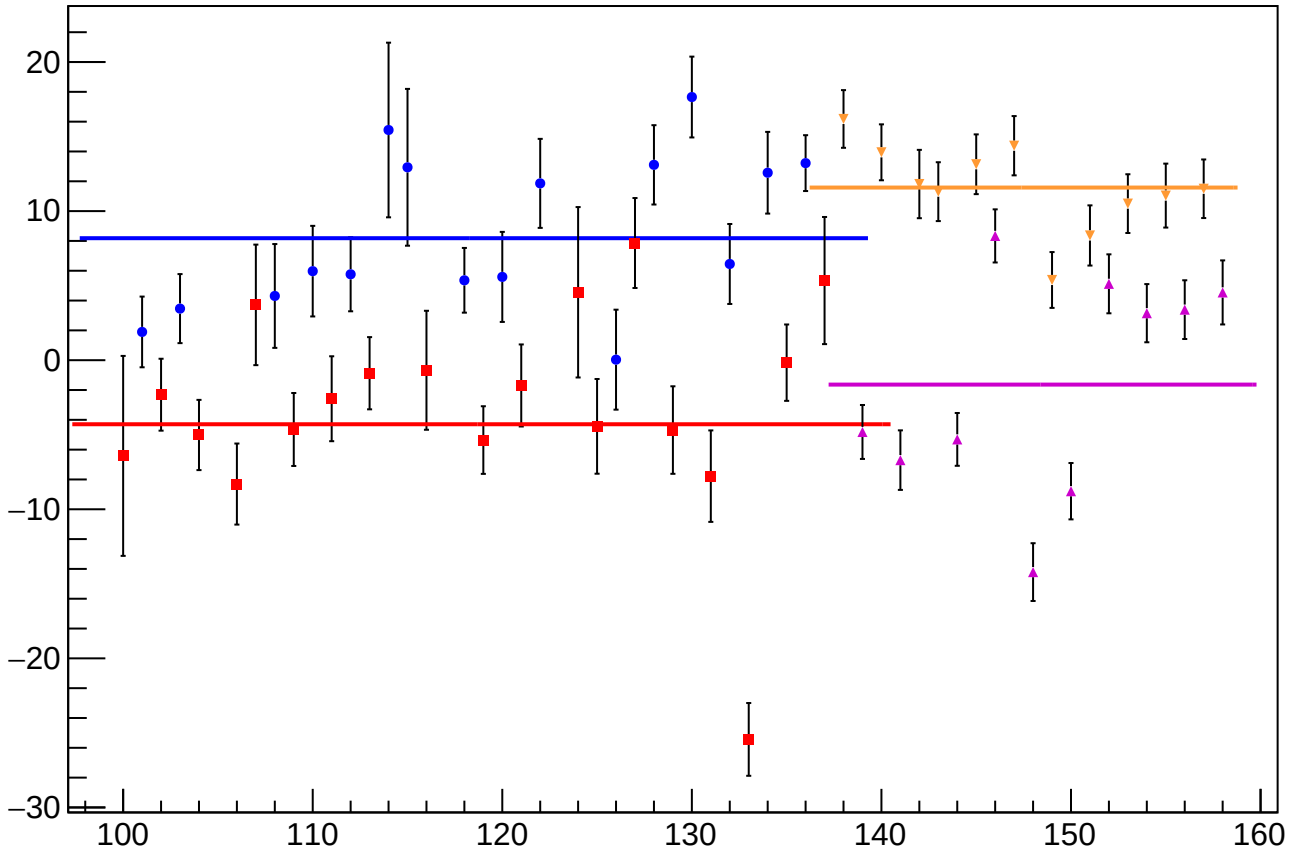
Left: 1905.669+/-0.327 χ^2/NDF: 368965.8/20

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1912.123+/-0.342 χ^2/NDF:298408.9/25

Out: 1902.481+/-0.337 χ^2/NDF:330116.1/29

All: 1907.227+/-0.240 χ^2/NDF: 628928.0/55



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.580+/-0.601 χ^2/NDF:23.7/10

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -1.637+/-0.605 χ^2/NDF:134.1/9

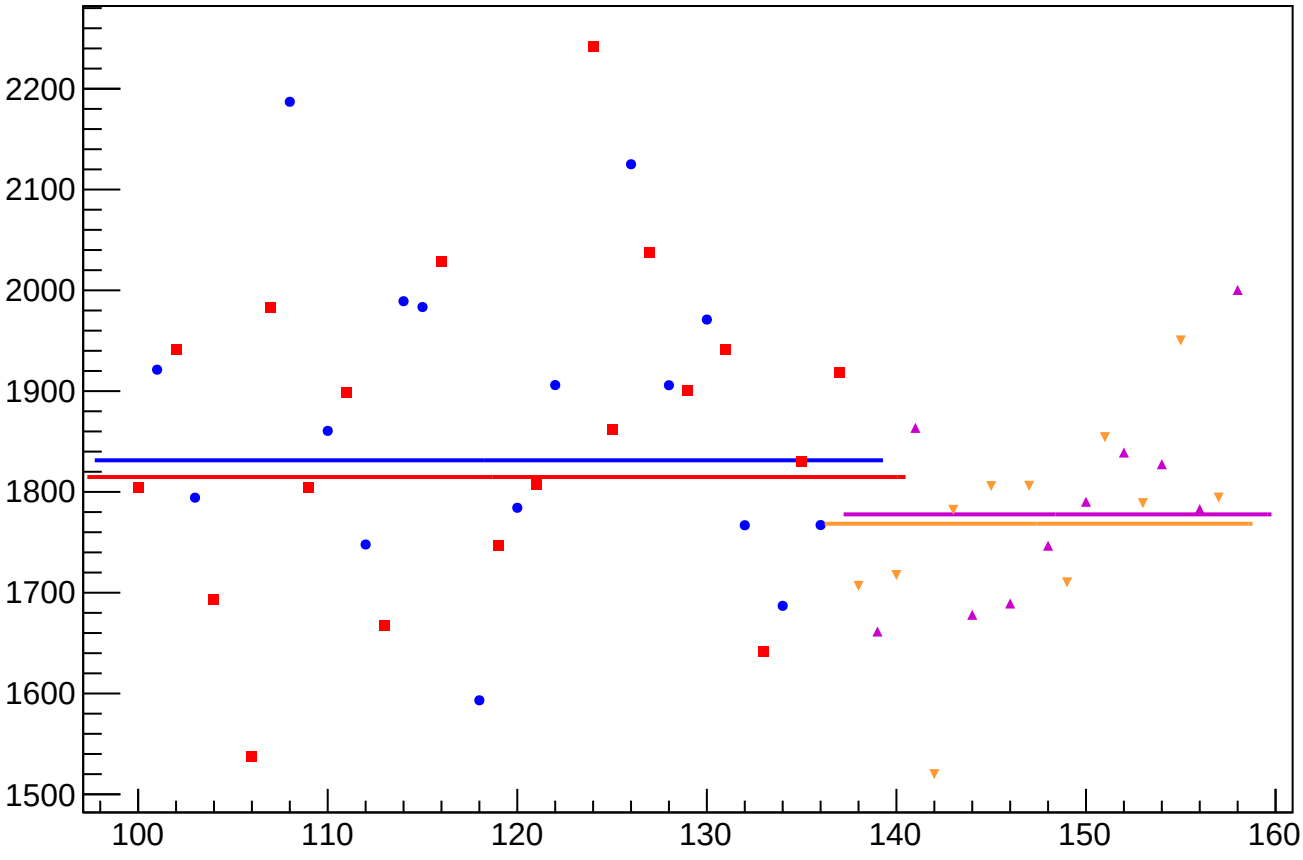
Left: 5.015+/-0.427 χ^2/NDF: 397.8/20

Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.679+/-0.453 χ^2/NDF:301.7/25

Out: 4.443+/-0.446 χ^2/NDF:451.0/29

All: 3.575+/-0.318 χ^2/NDF: 760.4/55



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1768.449+/-0.425 χ^2/NDF:49011.9/10

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1777.730+/-0.428 χ^2/NDF:48519.8/9

Left: 1773.059+/-0.302 χ^2/NDF: 97768.3/20

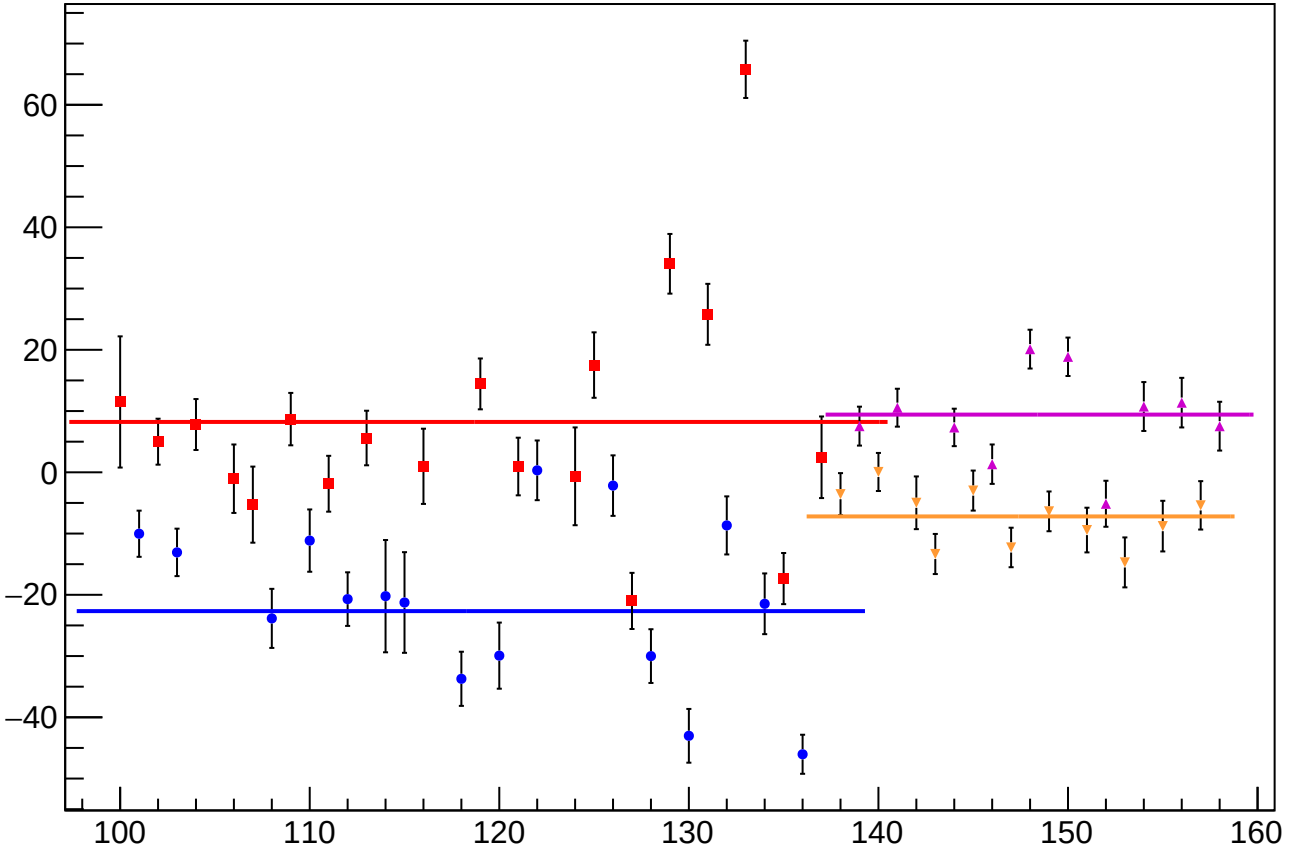
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1801.302+/-0.320 χ^2/NDF:142338.7/25

Out: 1789.274+/-0.315 χ^2/NDF:145085.6/29

All: 1795.194+/-0.225 χ^2/NDF: 288139.8/55

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.204+/-1.067 χ^2/NDF:18.7/10

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.421+/-1.075 χ^2/NDF:43.3/9

Left: 1.050+/-0.757 χ^2/NDF: 182.5/20

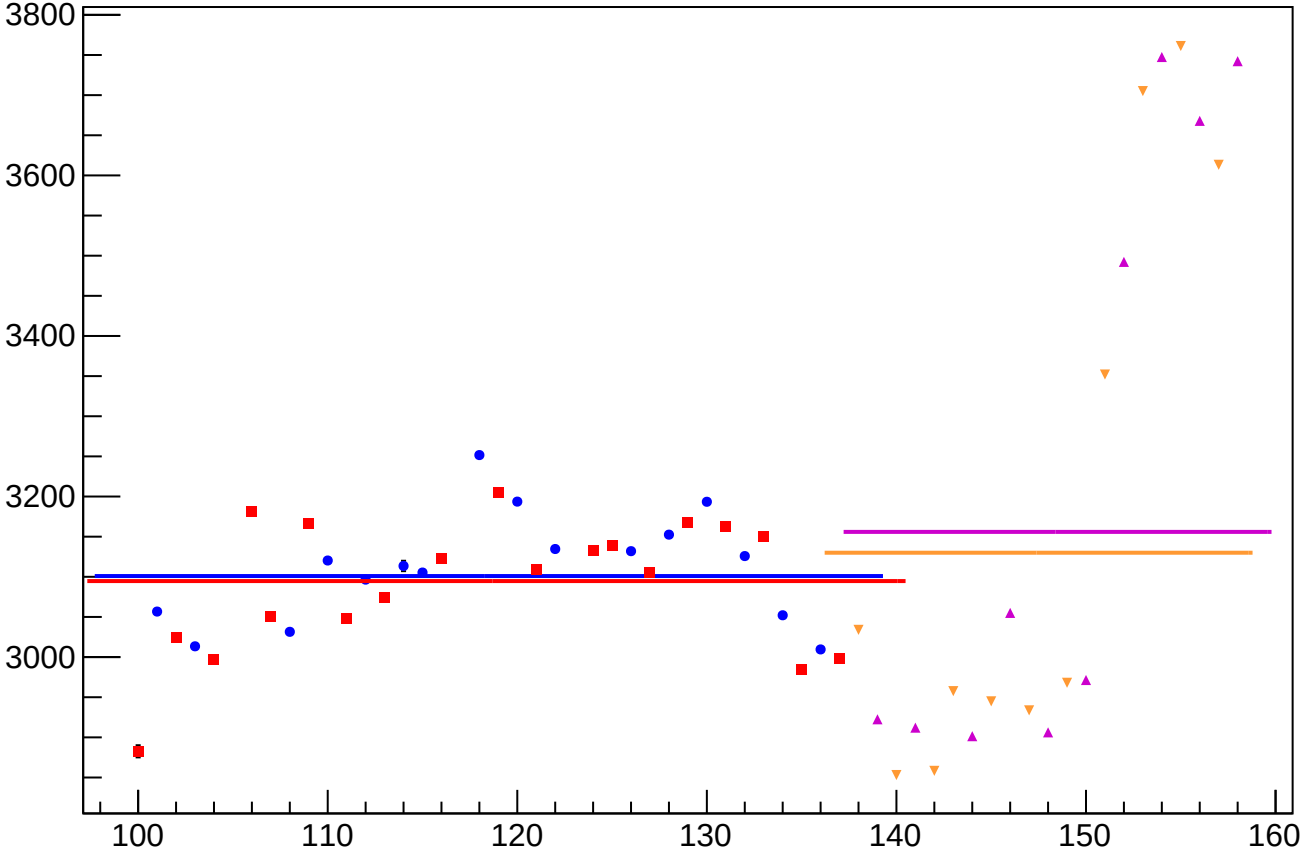
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -5.510+/-0.786 χ^2/NDF:615.2/25

Out: 0.077+/-0.775 χ^2/NDF:412.1/29

All: -2.679+/-0.552 χ^2/NDF: 1053.0/55

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3130.010+/-0.755 χ^2/NDF:173508.2/10

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3155.952+/-0.760 χ^2/NDF:193609.1/9

Left: 3142.890+/-0.535 χ^2/NDF: 367704.0/20

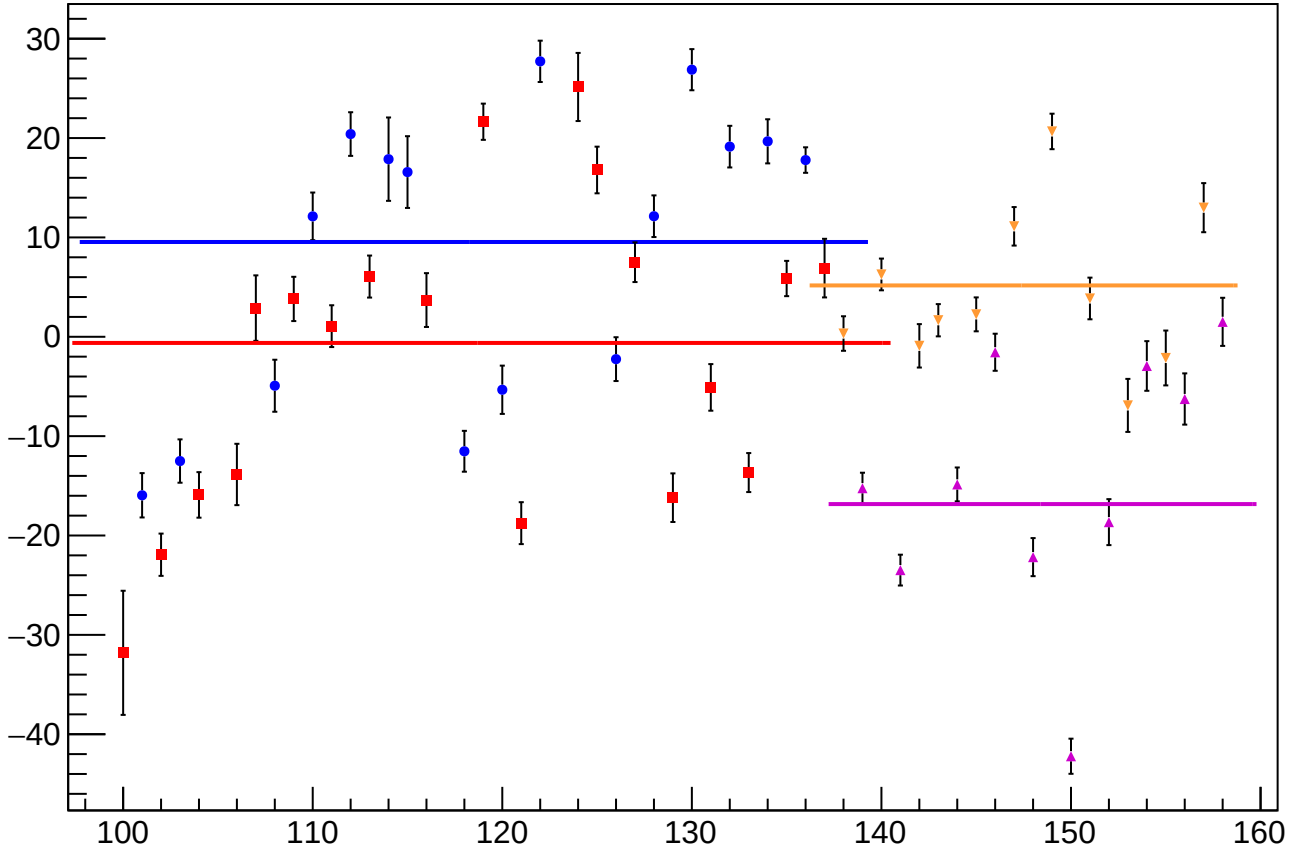
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3130.352+/-0.556 χ^2/NDF:203941.4/25

Out: 3113.340+/-0.548 χ^2/NDF:183126.7/29

All: 3121.733+/-0.390 χ^2/NDF: 387543.0/55

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.168+/-0.587 χ^2/NDF:146.2/10

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -16.837+/-0.606 χ^2/NDF:407.5/9

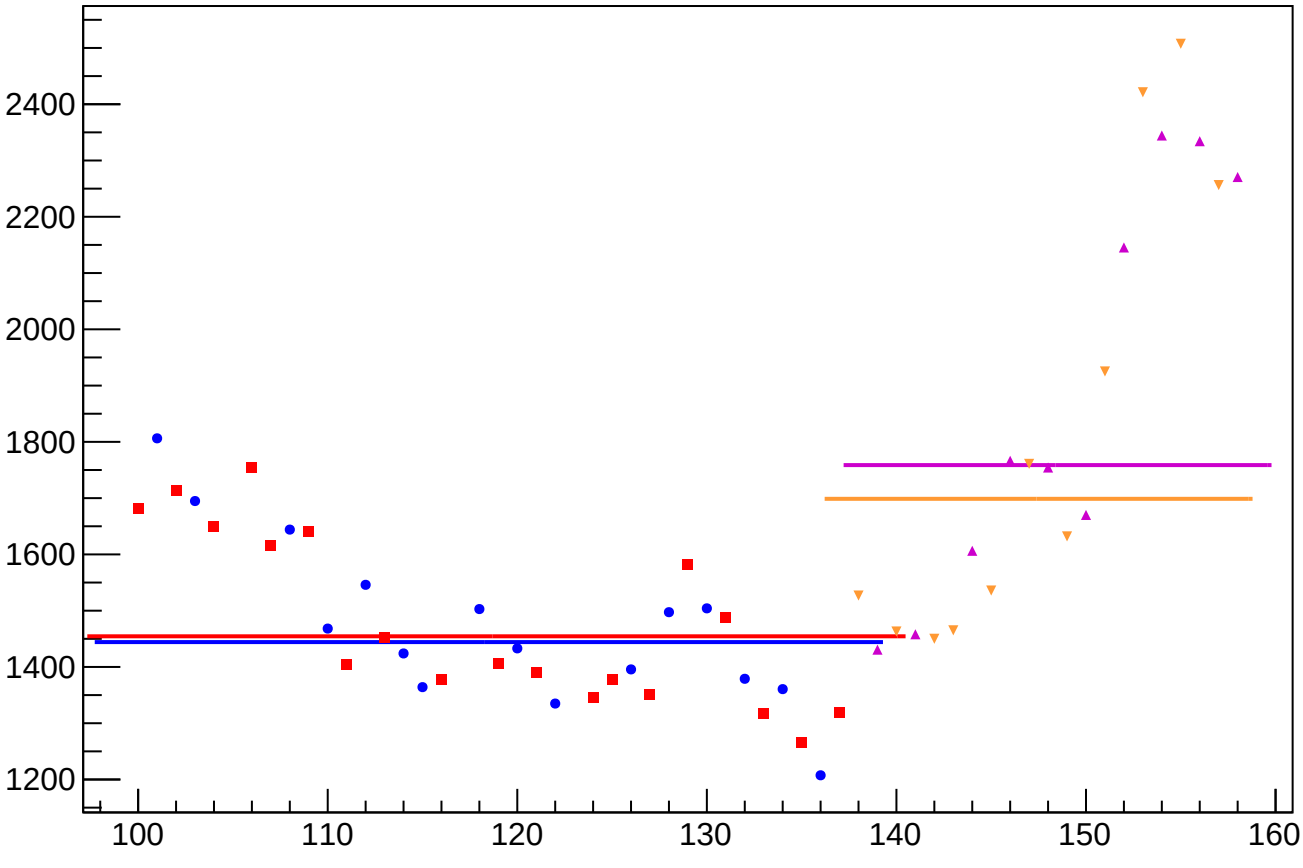
Left: -5.487+/-0.422 χ^2/NDF: 1233.2/20

Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.159+/-0.404 χ^2/NDF:2159.5/25

Out: 2.000+/-0.395 χ^2/NDF:865.1/29

All: -0.035+/-0.282 χ^2/NDF: 3078.8/55



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1698.788+/-0.415 χ^2/NDF:597001.3/10

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1758.720+/-0.429 χ^2/NDF:539789.1/9

Left: 1727.806+/-0.298 χ^2/NDF: 1146870.3/20

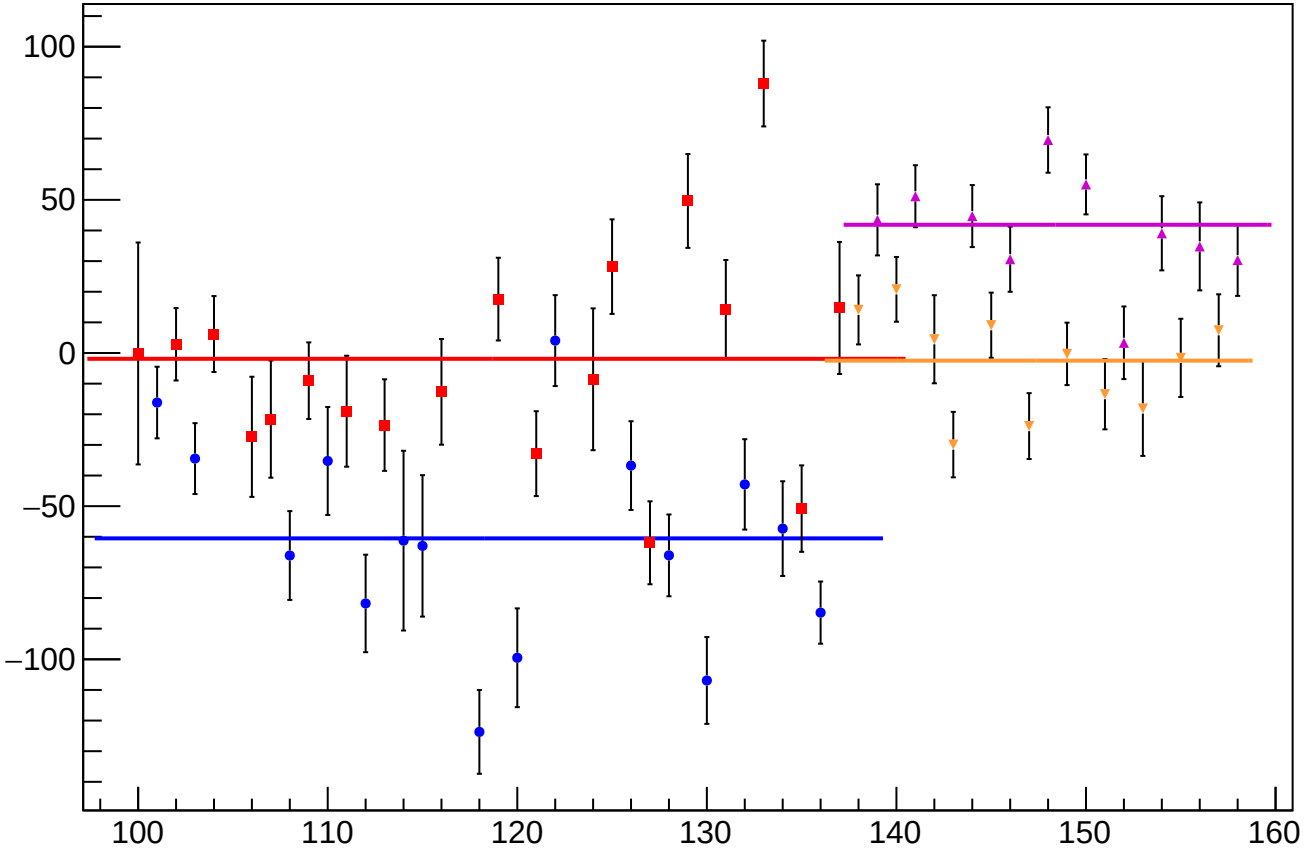
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1583.696+/-0.286 χ^2/NDF:1019451.0/25

Out: 1565.041+/-0.279 χ^2/NDF:929167.9/29

All: 1574.168+/-0.200 χ^2/NDF: 1950799.5/55

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -2.492+/-3.477 χ^2/NDF:21.7/10

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 41.870+/-3.512 χ^2/NDF:22.4/9

Left: 19.468+/-2.471 χ^2/NDF: 124.6/20

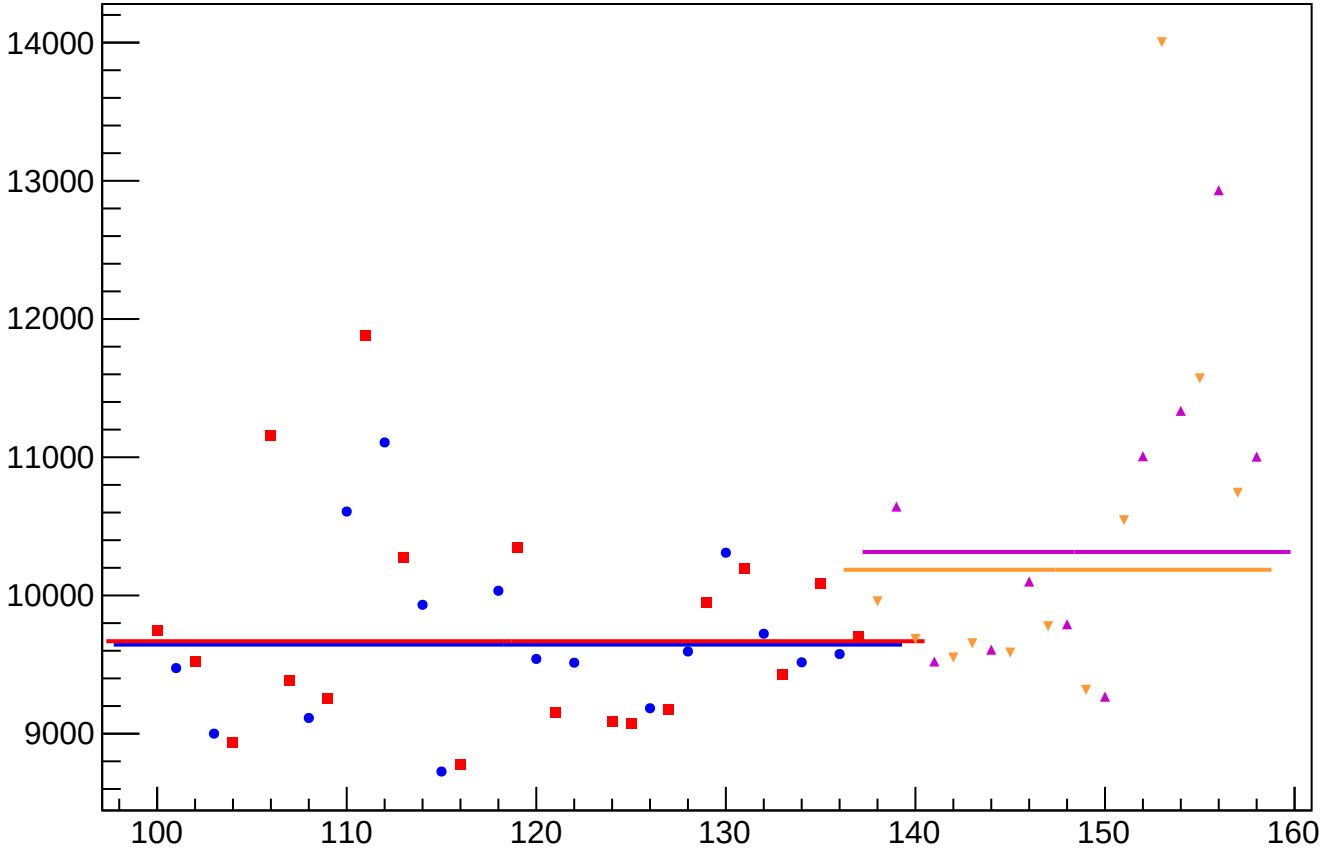
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -8.113+/-2.513 χ^2/NDF:527.6/25

Out: -2.198+/-2.482 χ^2/NDF:125.5/29

All: -5.119+/-1.766 χ^2/NDF: 655.9/55

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10185.937+/-2.459 χ^2/NDF:189763.5/10

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10314.886+/-2.484 χ^2/NDF:146534.8/9

Left: 10249.770+/-1.747 χ^2/NDF: 337659.6/20

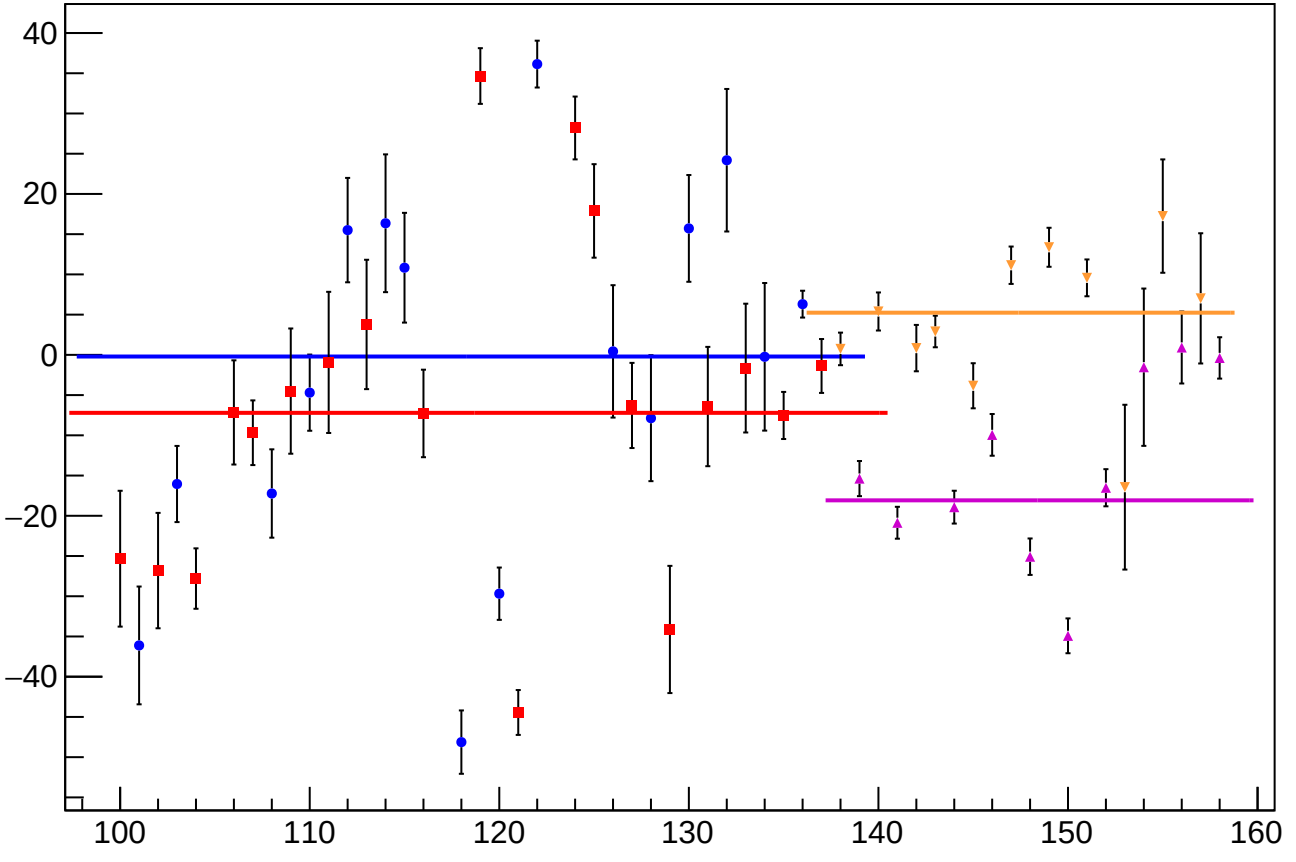
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9987.564+/-1.777 χ^2/NDF:226218.2/25

Out: 9932.347+/-1.755 χ^2/NDF:291316.4/29

All: 9959.613+/-1.249 χ^2/NDF: 518023.6/55

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.242+/-0.811 χ^2/NDF:47.9/10

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -18.081+/-0.776 χ^2/NDF:152.3/9

Left: -6.931+/-0.561 χ^2/NDF: 632.2/20

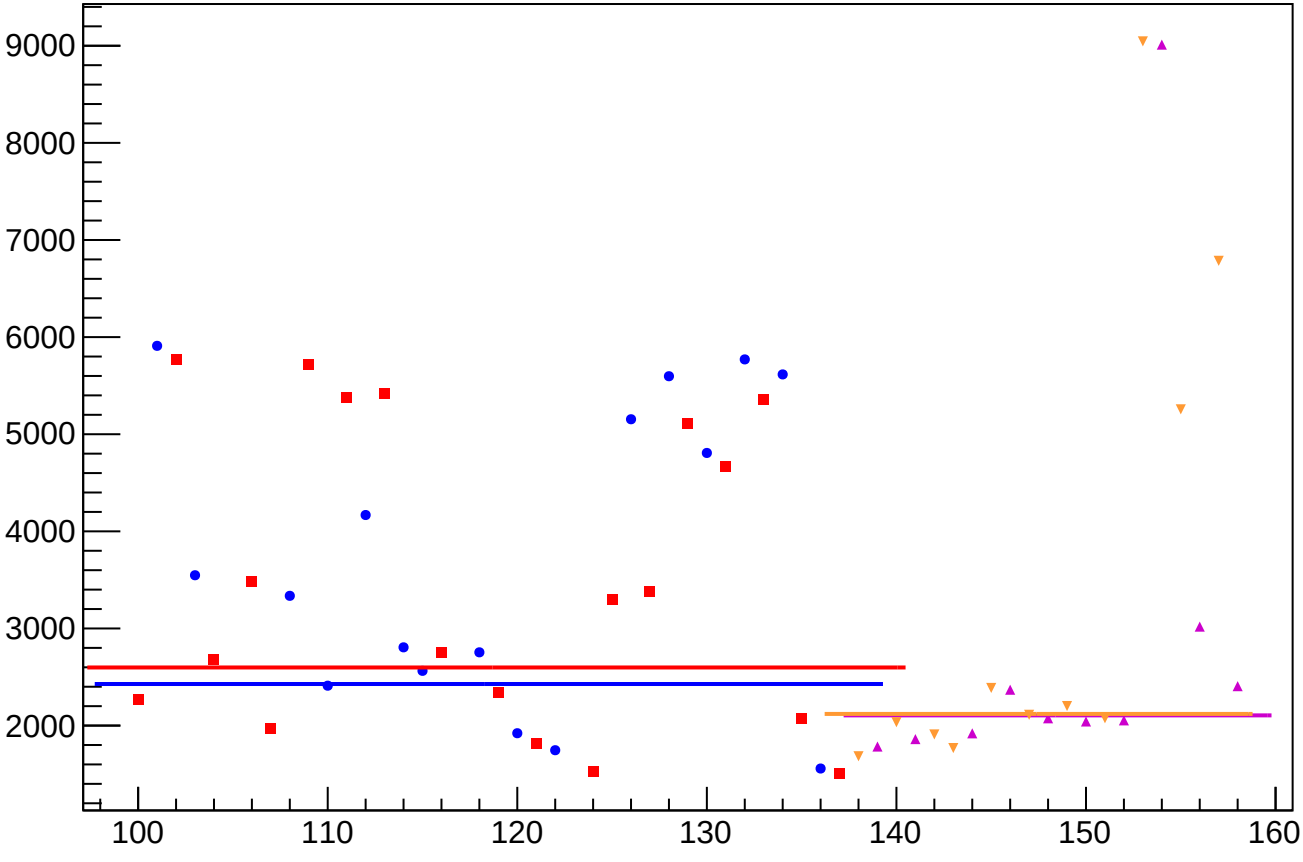
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -11.731+/-0.623 χ^2/NDF:814.5/25

Out: 0.722+/-0.647 χ^2/NDF:619.2/29

All: -5.739+/-0.449 χ^2/NDF: 1625.9/55

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2120.053+/-0.573 χ^2/NDF:2167133.0/10

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2105.106+/-0.549 χ^2/NDF:1222740.0/9

Left: 2112.252+/-0.396 χ^2/NDF: 3390227.8/20

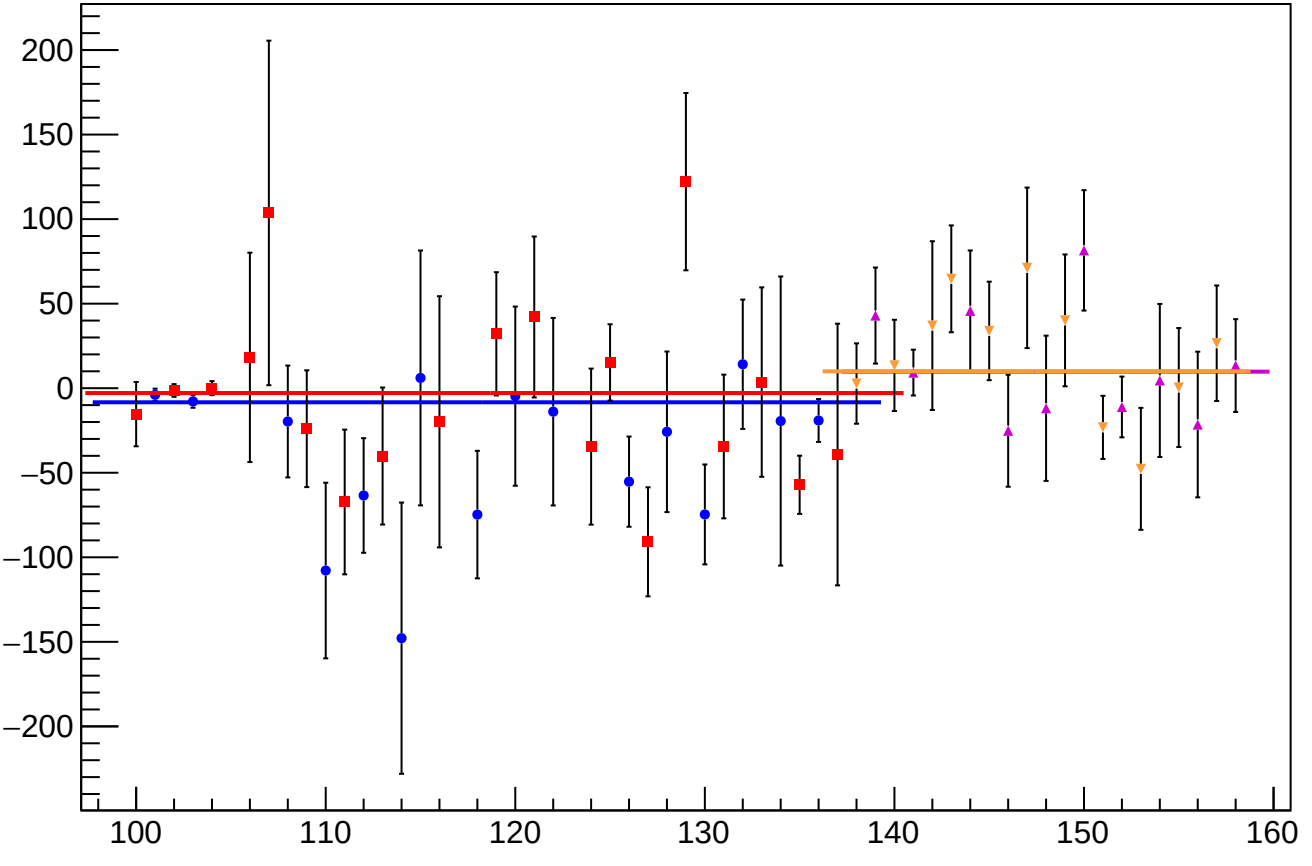
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2219.841+/-0.441 χ^2/NDF:4161168.2/25

Out: 2293.741+/-0.457 χ^2/NDF:4934819.9/29

All: 2255.399+/-0.317 χ^2/NDF: 9109525.9/55

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 9.979+/-9.080 χ^2/NDF:12.3/10

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 9.785+/-8.121 χ^2/NDF:9.7/9

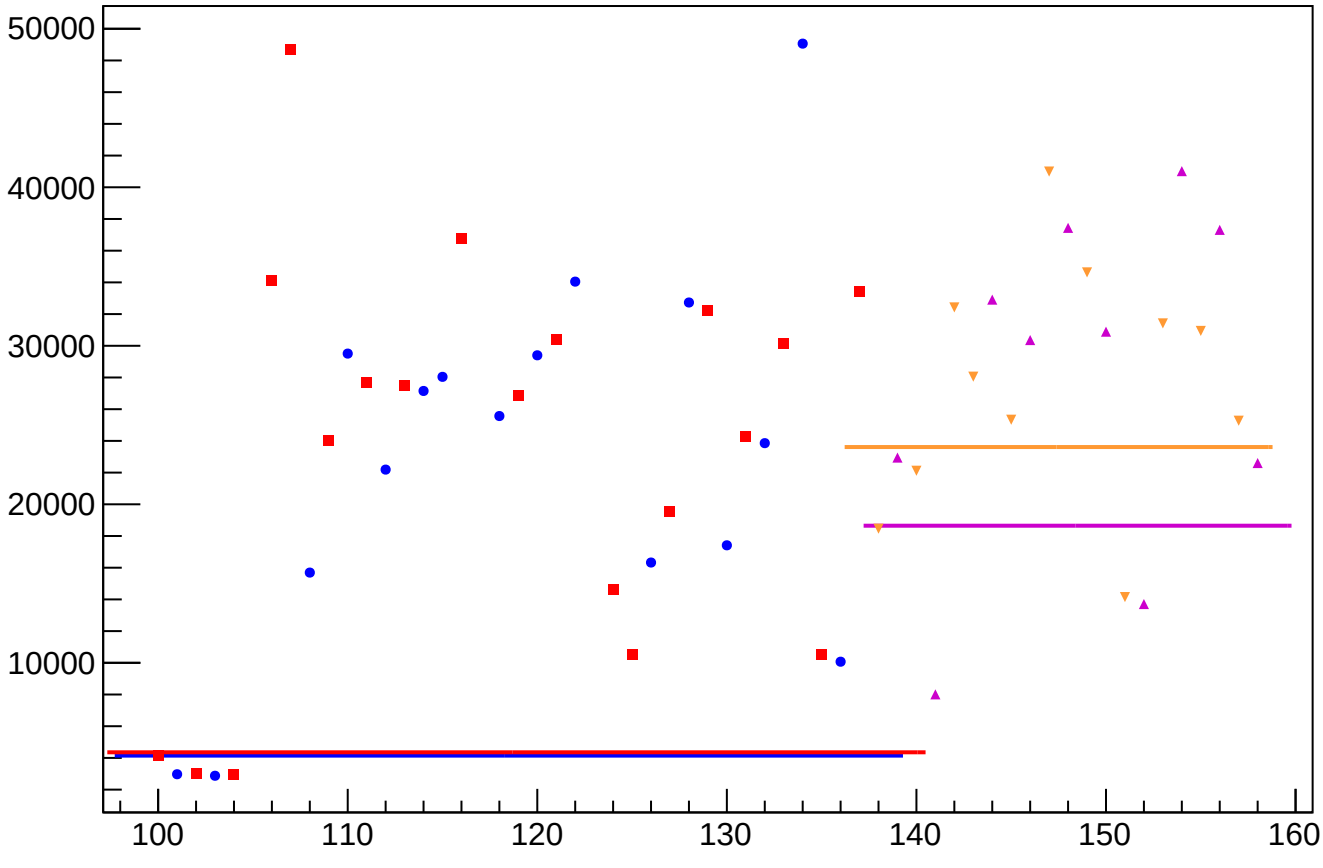
Left: 9.872+/-6.053 χ^2/NDF: 22.1/20

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.765+/-2.389 χ^2/NDF:37.7/25

Out: -1.848+/-2.535 χ^2/NDF:46.8/29

All: -4.452+/-1.738 χ^2/NDF: 86.5/55



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 23612.098+/-6.420 χ^2/NDF:1335537.1/10

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 18649.426+/-5.742 χ^2/NDF:3523744.3/9

Left: 20854.863+/-4.280 χ^2/NDF: 5191215.3/20

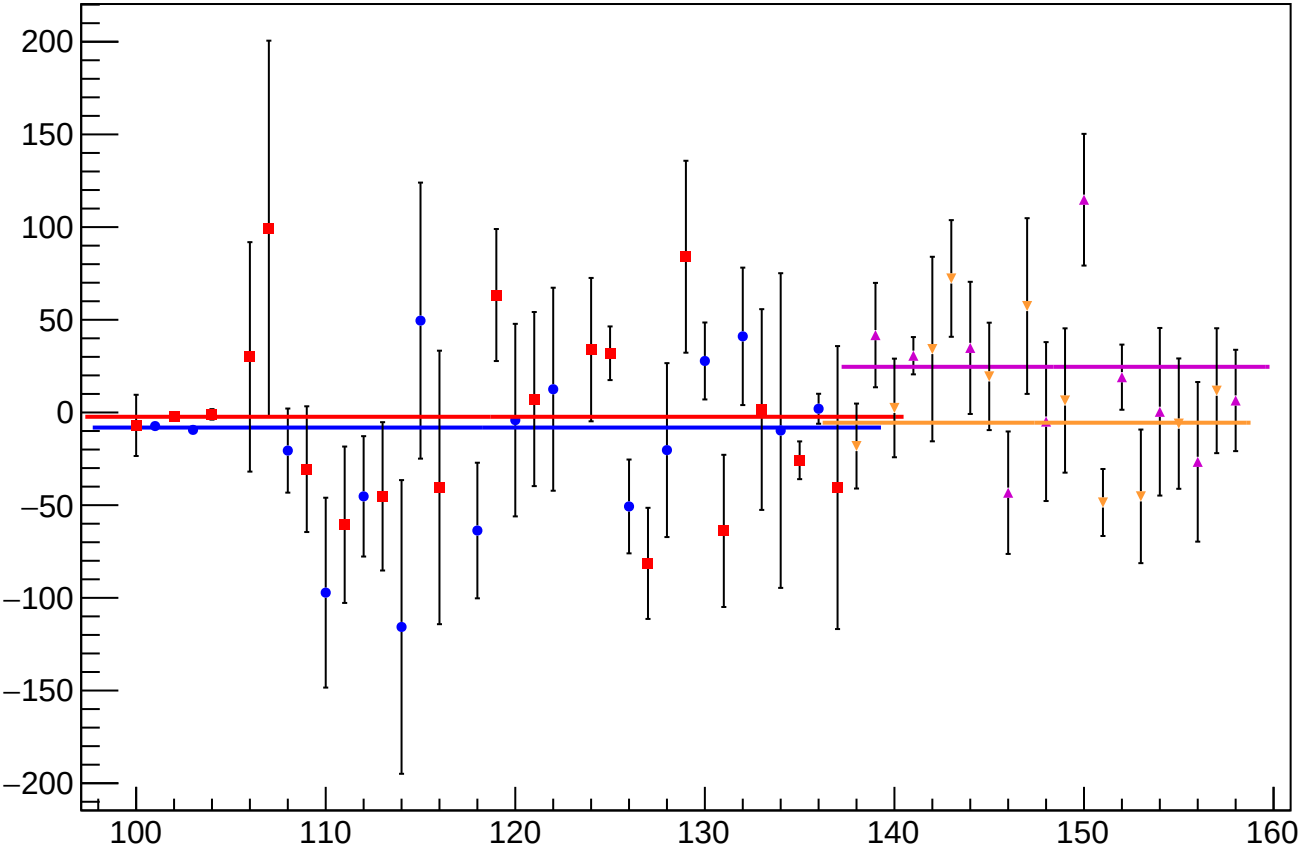
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5400.797+/-1.689 χ^2/NDF:16188288.0/25

Out: 5855.046+/-1.792 χ^2/NDF:17255689.0/29

All: 5614.477+/-1.229 χ^2/NDF: 33477996.8/5

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -5.521+/-8.926 χ^2/NDF:16.9/10

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 24.631+/-7.110 χ^2/NDF:14.2/9

Left: 12.926+/-5.562 χ^2/NDF: 38.1/20

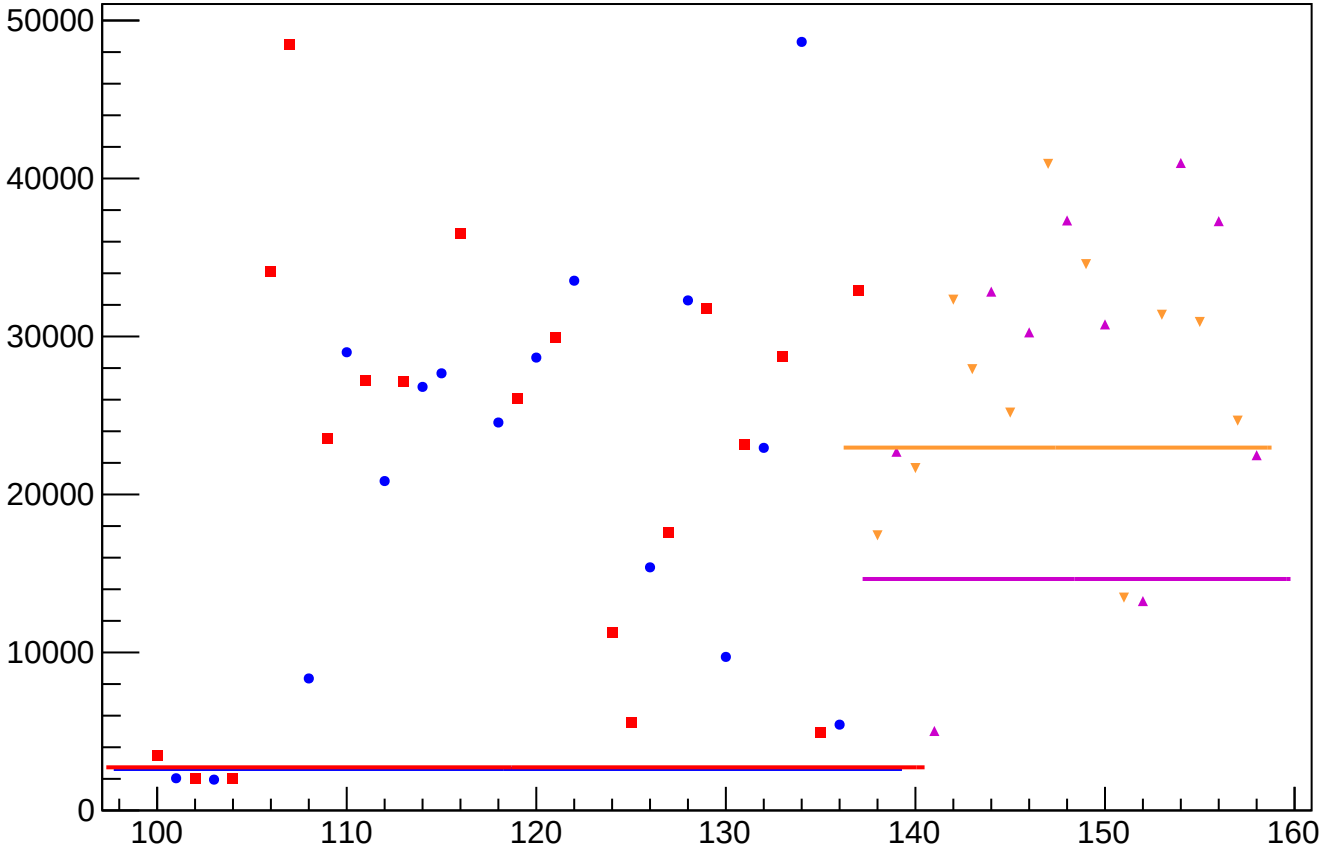
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.320+/-1.672 χ^2/NDF:53.4/25

Out: -2.453+/-1.785 χ^2/NDF:50.1/29

All: -4.512+/-1.220 χ^2/NDF: 105.9/55

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22967.058+/-6.312 χ^2/NDF:1488135.7/10

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 14650.334+/-5.028 χ^2/NDF:5339261.9/9

Left: 17878.851+/-3.933 χ^2/NDF: 7889593.4/20

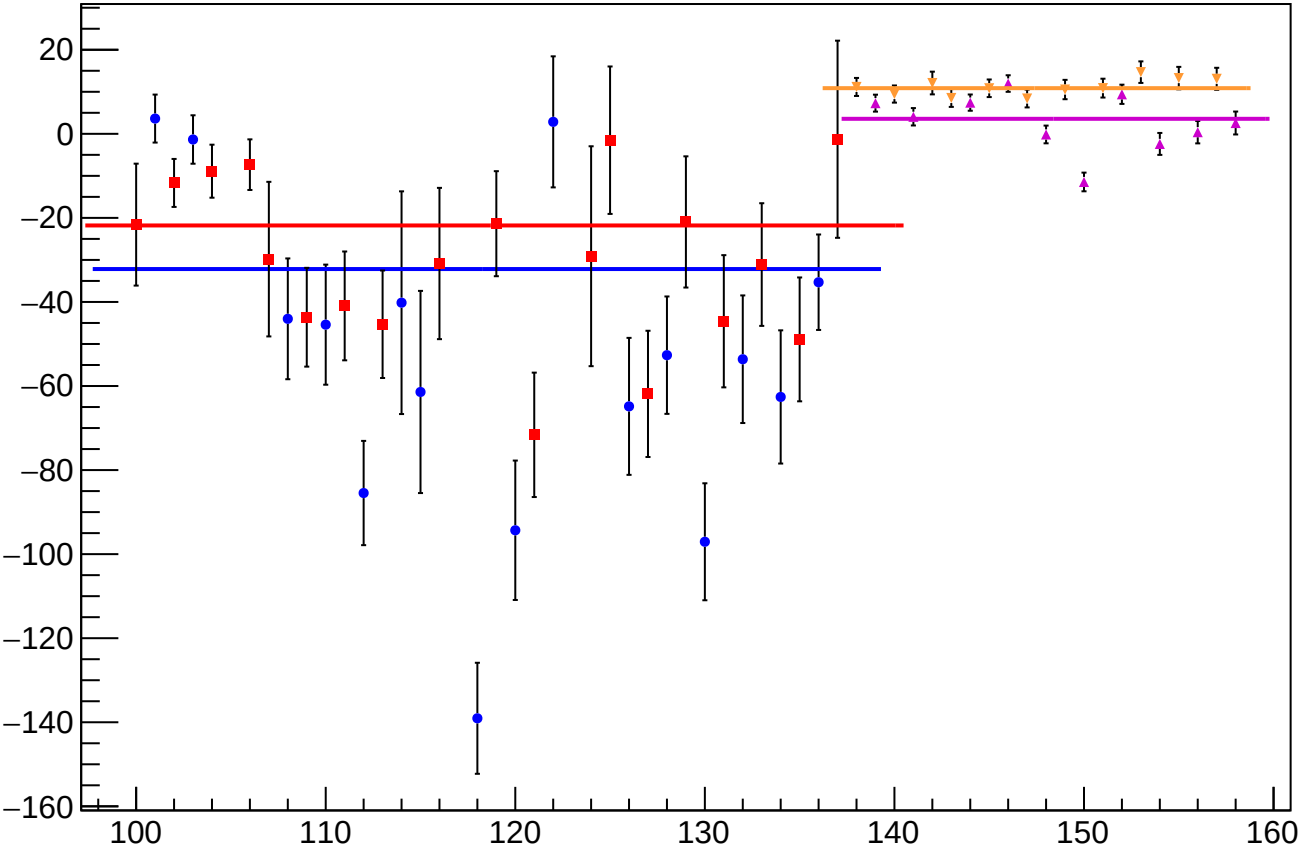
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3291.413+/-1.182 χ^2/NDF:17523107.1/25

Out: 3539.356+/-1.262 χ^2/NDF:19342624.0/29

All: 3407.308+/-0.863 χ^2/NDF: 36886285.4/5

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.863+/-0.691 χ^2/NDF:7.0/10

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.572+/-0.699 χ^2/NDF:87.7/9

Left: 7.260+/-0.492 χ^2/NDF: 149.8/20

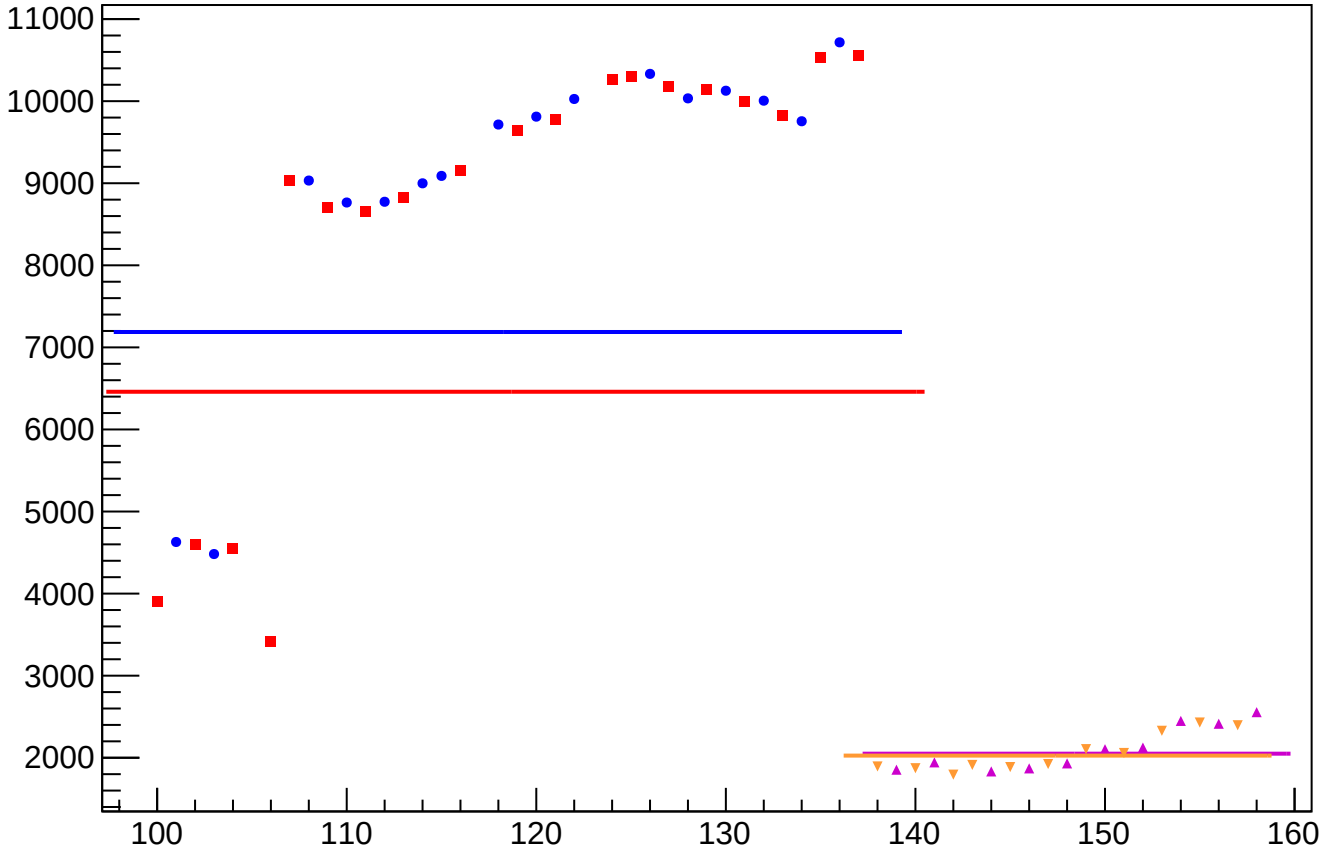
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.532+/-0.679 χ^2/NDF:444.7/25

Out: 8.640+/-0.667 χ^2/NDF:208.1/29

All: 5.148+/-0.476 χ^2/NDF: 708.6/55

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2026.208+/-0.489 χ^2/NDF:168985.1/10

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2049.610+/-0.494 χ^2/NDF:228195.7/9

Left: 2037.771+/-0.348 χ^2/NDF: 398314.0/20

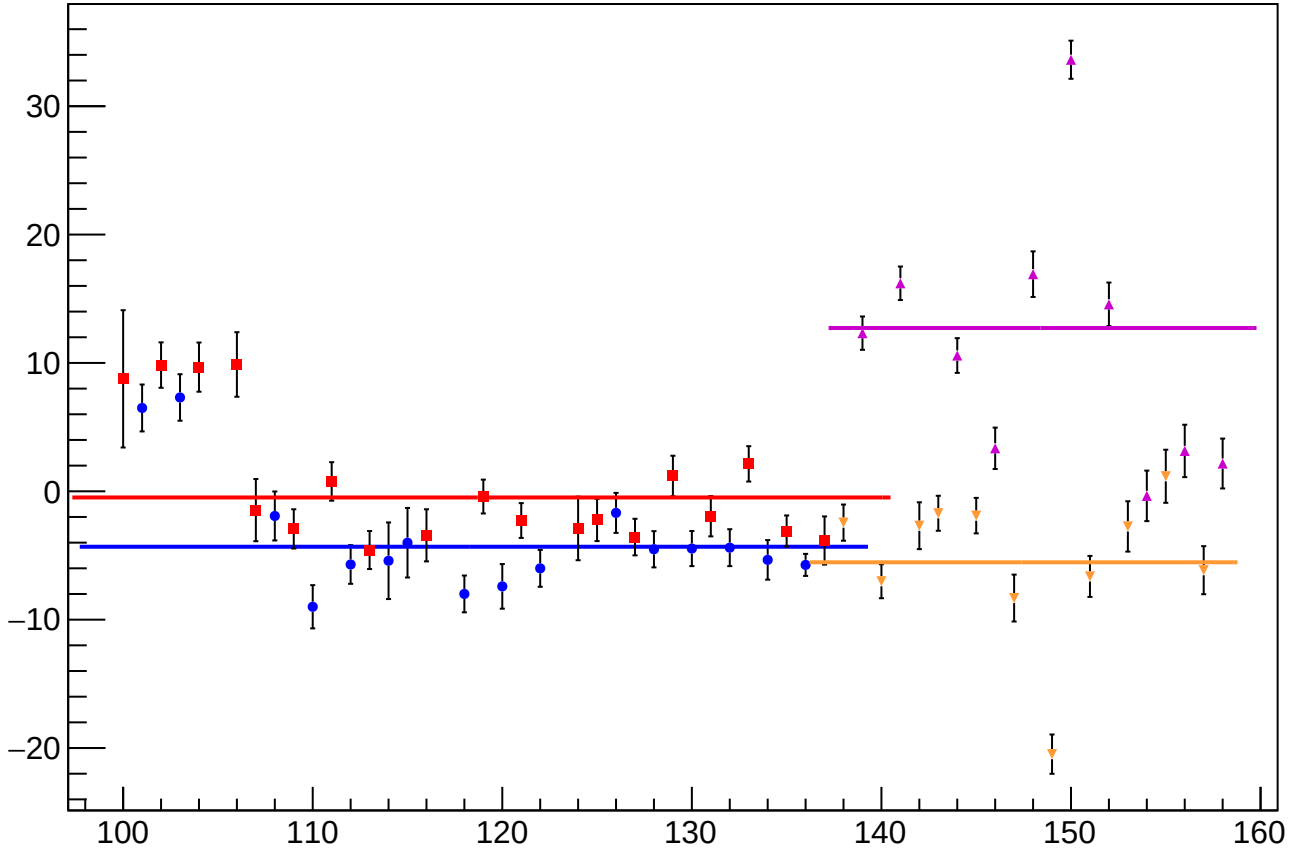
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2342.908+/-0.480 χ^2/NDF:8098422.4/25

Out: 2327.886+/-0.472 χ^2/NDF:8046346.3/29

All: 2335.265+/-0.336 χ^2/NDF: 16145266.8/5

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.529+/-0.480 χ^2/NDF:134.0/10

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 12.721+/-0.500 χ^2/NDF:343.9/9

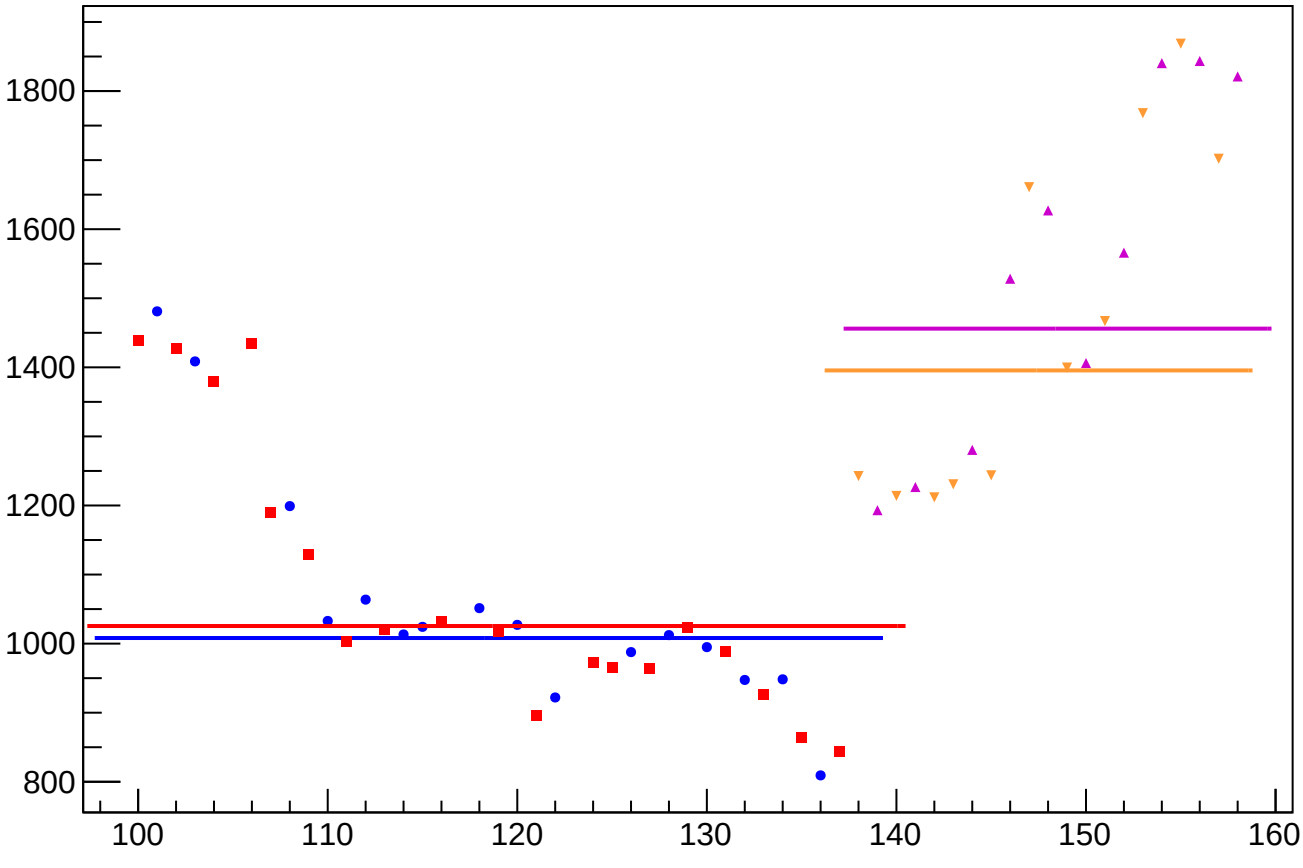
Left: 3.222+/-0.347 χ^2/NDF: 1170.2/20

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.908+/-0.303 χ^2/NDF:1183.4/25

Out: -2.416+/-0.297 χ^2/NDF:319.3/29

All: -0.291+/-0.212 χ^2/NDF: 1606.7/55



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1395.532+/-0.340 χ^2/NDF:411627.6/10

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1456.037+/-0.354 χ^2/NDF:429756.2/9

Left: 1424.546+/-0.245 χ^2/NDF: 856602.0/20

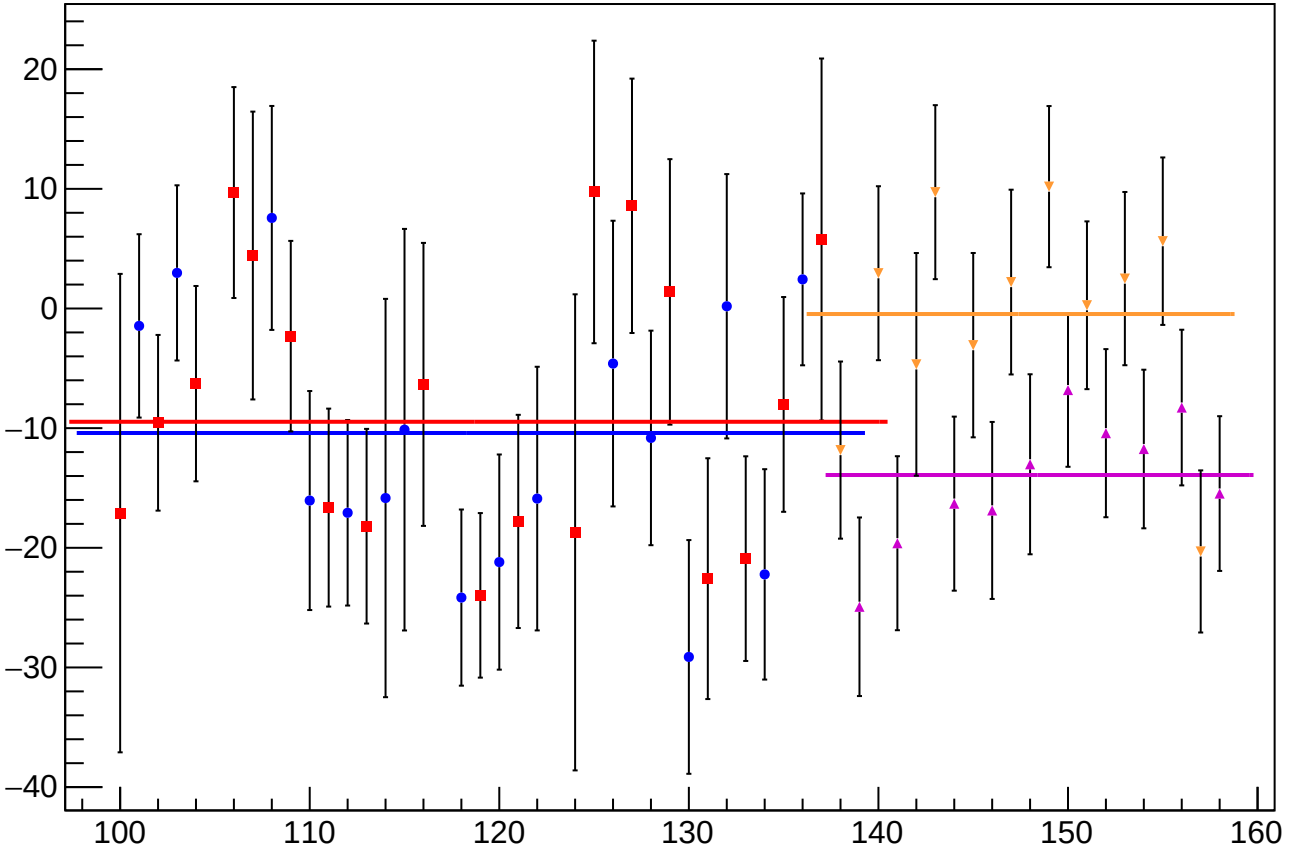
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1171.801+/-0.214 χ^2/NDF:1825451.6/25

Out: 1167.317+/-0.210 χ^2/NDF:1489713.0/29

All: 1169.521+/-0.150 χ^2/NDF: 3315388.0/55

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.461+/-2.209 χ^2/NDF:17.0/10

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -13.916+/-2.200 χ^2/NDF:5.5/9

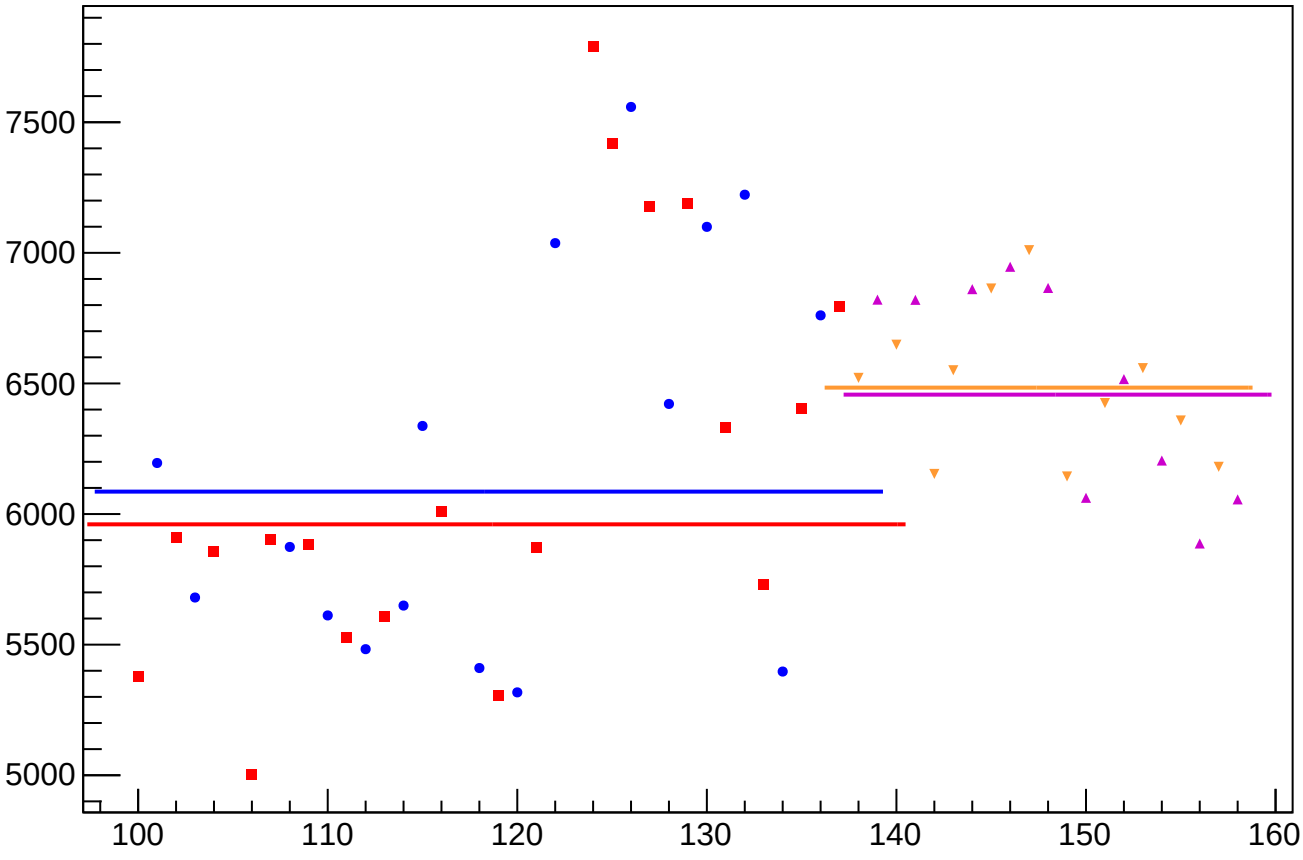
Left: -7.216+/-1.559 χ^2/NDF: 41.1/20

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.222+/-1.583 χ^2/NDF:31.3/25

Out: -5.001+/-1.556 χ^2/NDF:50.7/29

All: -8.548+/-1.110 χ^2/NDF: 92.6/55



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6484.011+/-1.562 χ^2/NDF:28010.5/10

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6457.150+/-1.556 χ^2/NDF:64227.7/9

Left: 6470.526+/-1.102 χ^2/NDF: 92386.6/20

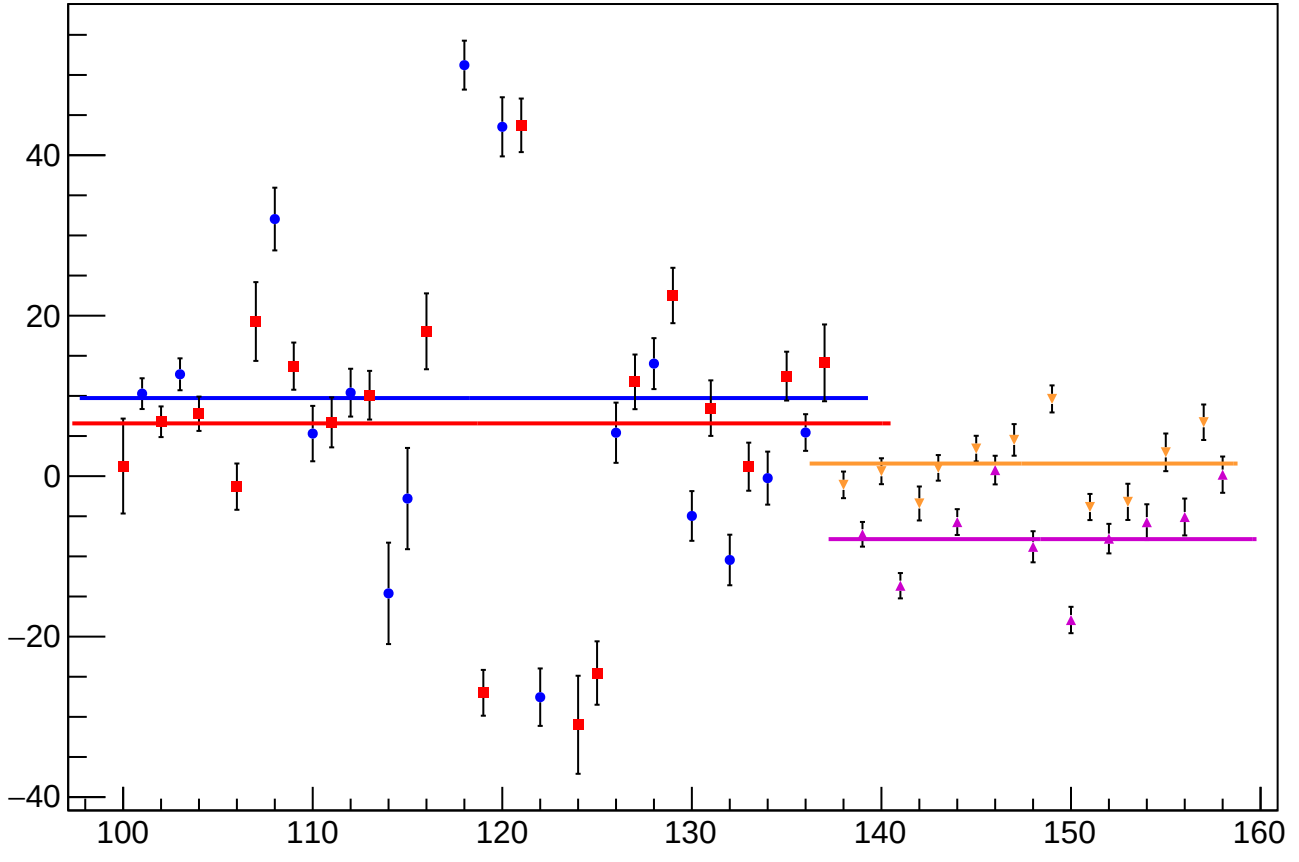
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6278.138+/-1.119 χ^2/NDF:270809.8/25

Out: 6220.162+/-1.100 χ^2/NDF:247385.6/29

All: 6248.640+/-0.785 χ^2/NDF: 519560.0/55

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.570+/-0.549 χ^2/NDF:56.3/10

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -7.848+/-0.573 χ^2/NDF:91.5/9

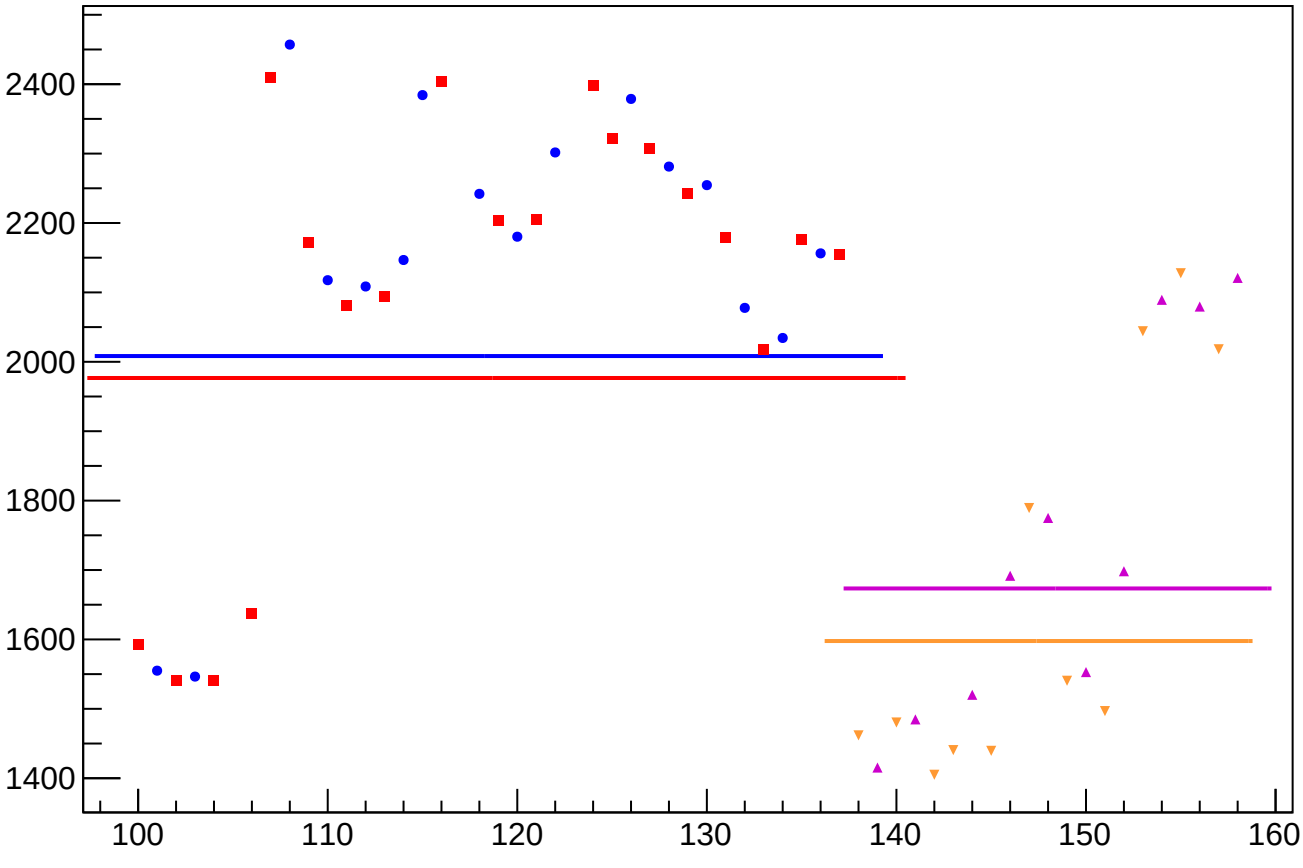
Left: -2.931+/-0.396 χ^2/NDF: 288.7/20

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.416+/-0.457 χ^2/NDF:947.8/25

Out: 3.375+/-0.439 χ^2/NDF:510.1/29

All: 1.076+/-0.316 χ^2/NDF: 1515.2/55



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1597.687+/-0.388 χ^2/NDF:360999.6/10

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1673.427+/-0.405 χ^2/NDF:330220.5/9

Left: 1633.879+/-0.280 χ^2/NDF: 709440.2/20

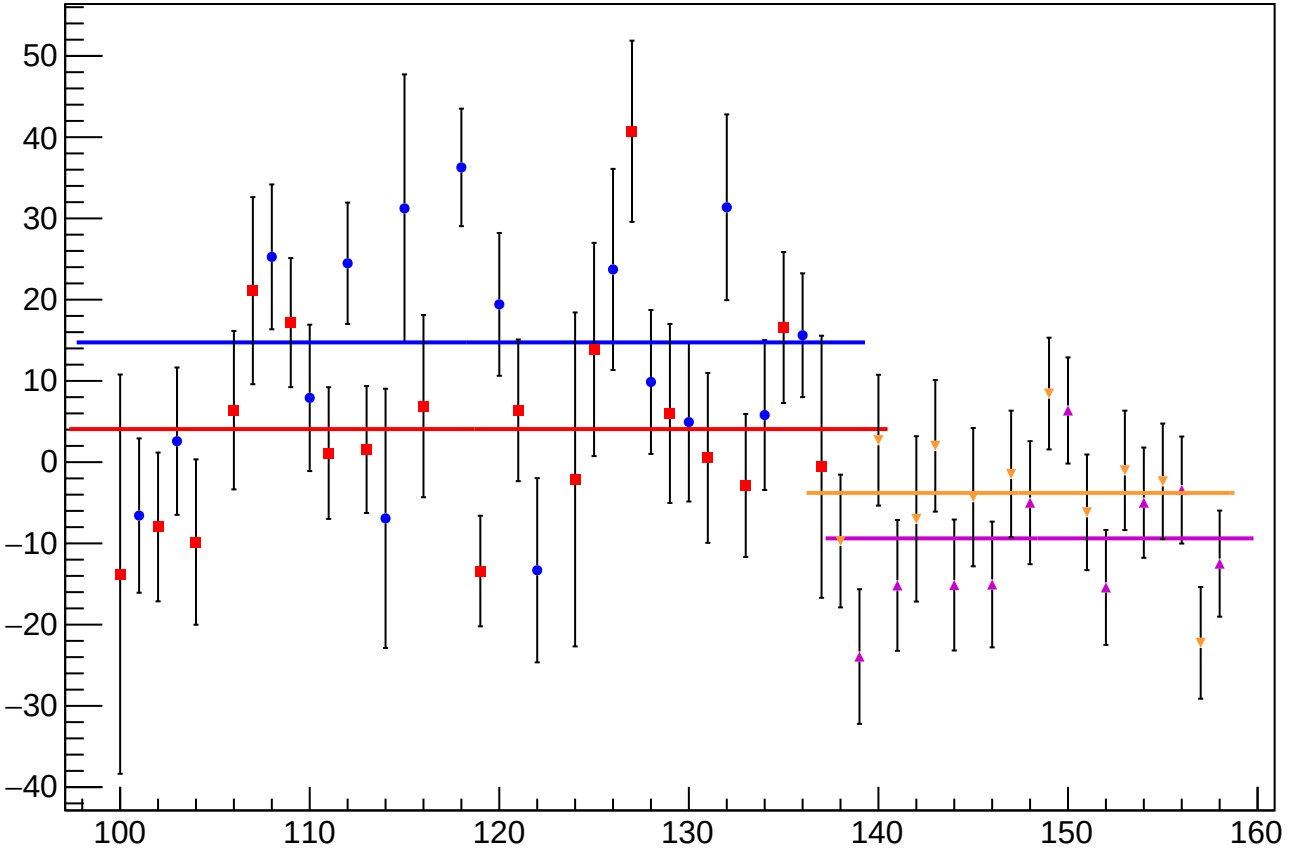
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1795.941+/-0.323 χ^2/NDF:924159.6/25

Out: 1734.376+/-0.310 χ^2/NDF:1070704.8/29

All: 1763.920+/-0.224 χ^2/NDF: 2013774.0/55

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -3.786+/-2.319 χ^2/NDF:12.6/10

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -9.383+/-2.287 χ^2/NDF:13.0/9

Left: -6.624+/-1.628 χ^2/NDF: 28.5/20

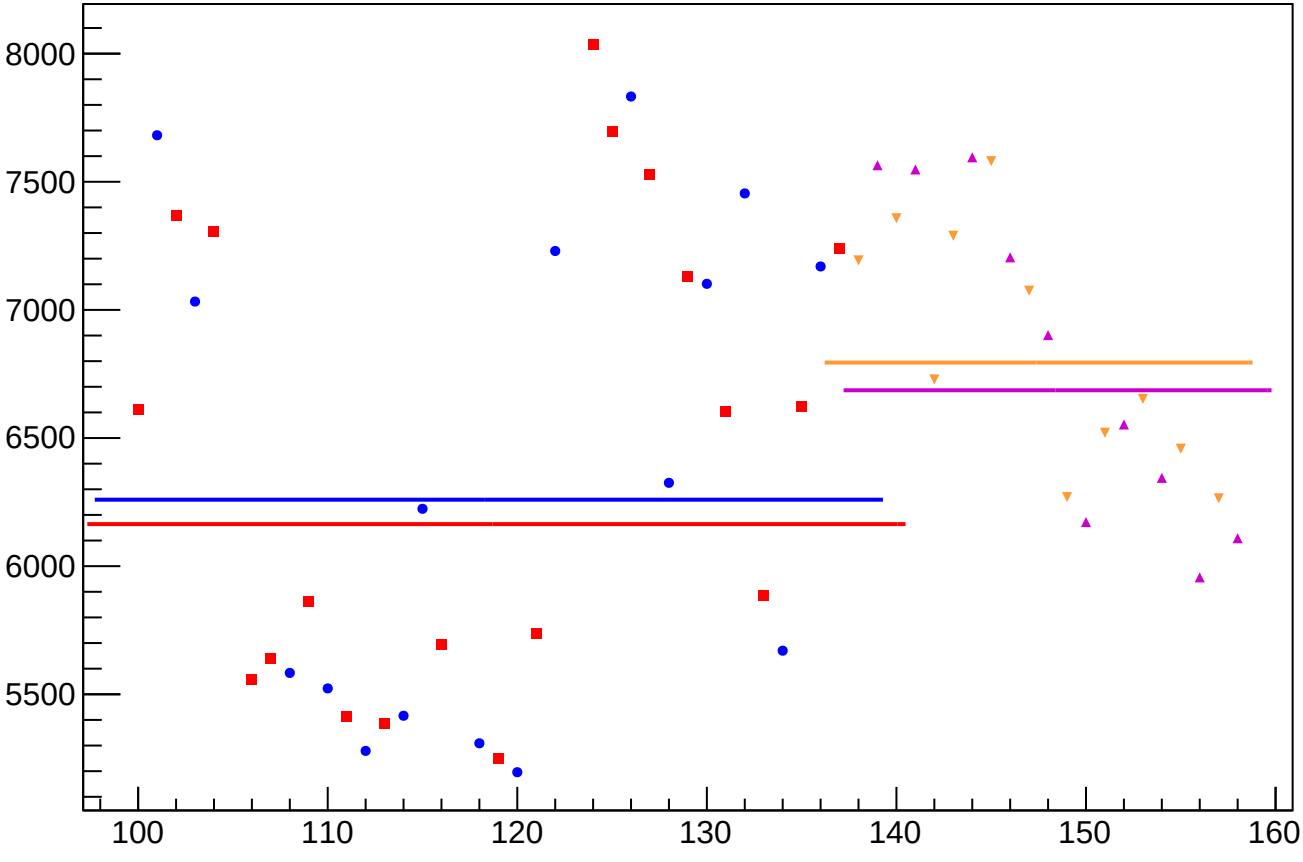
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 2.312+/-1.642 χ^2/NDF:100.4/25

Out: 0.220+/-1.624 χ^2/NDF:48.6/29

All: 1.255+/-1.154 χ^2/NDF: 149.8/55

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6794.622+/-1.640 χ^2/NDF:73464.3/10

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6686.406+/-1.617 χ^2/NDF:139809.5/9

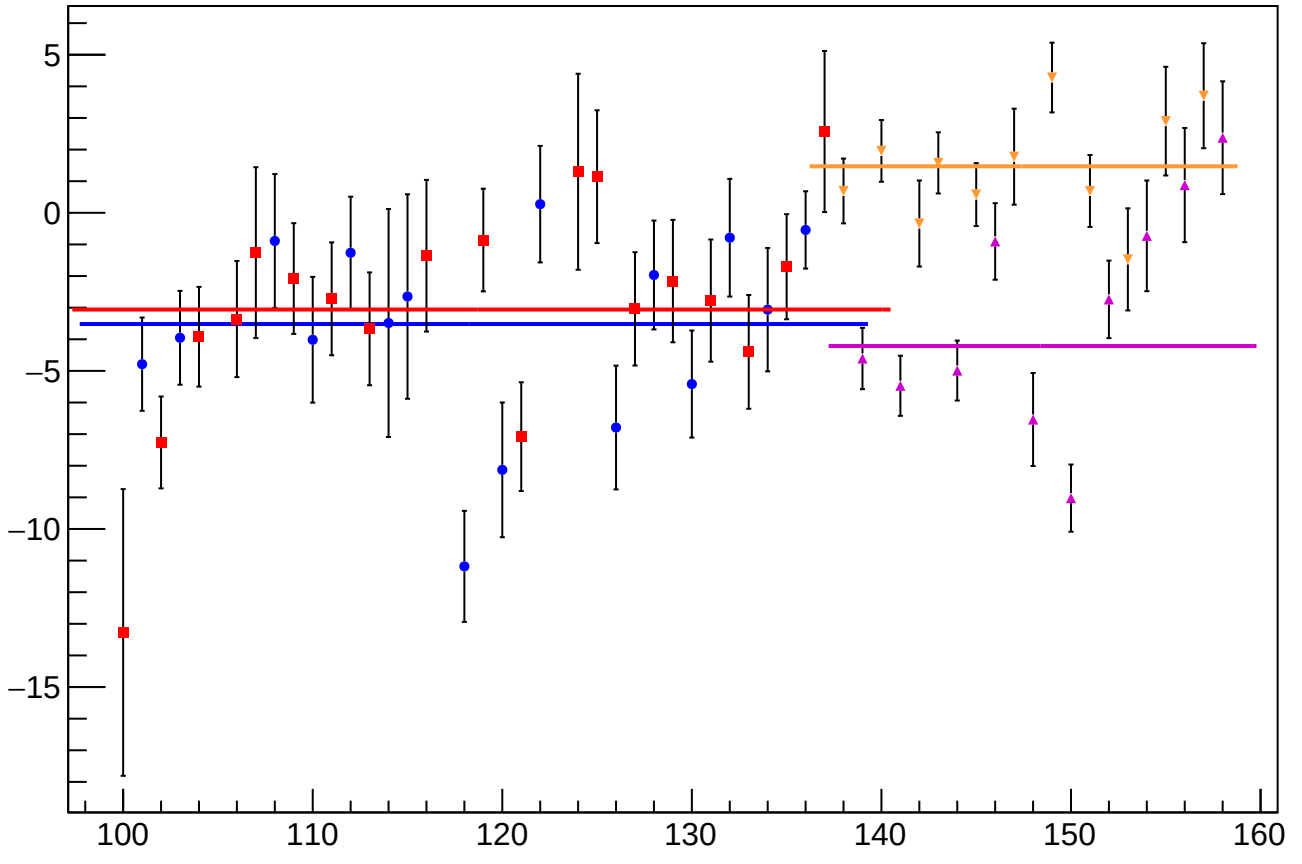
Left: 6739.760+/-1.151 χ^2/NDF: 215481.4/20

Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6479.391+/-1.161 χ^2/NDF:482212.6/25

Out: 6473.143+/-1.148 χ^2/NDF:413889.4/29

All: 6476.232+/-0.816 χ^2/NDF: 896116.6/55



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.472+/-0.360 χ^2/NDF:16.2/10

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -4.213+/-0.380 χ^2/NDF:60.0/9

Left: -1.214+/-0.261 χ^2/NDF: 194.4/20

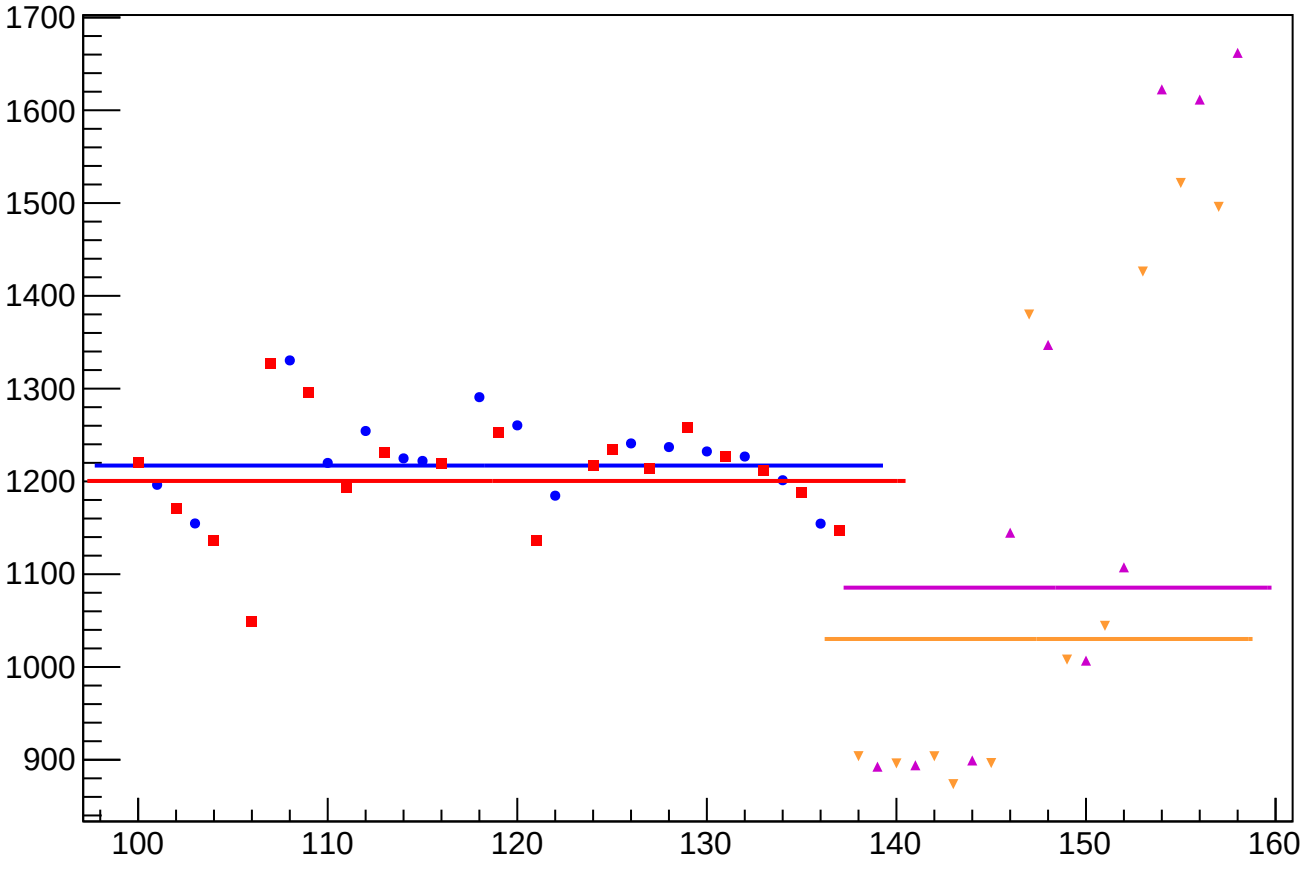
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.926+/-0.291 χ^2/NDF:106.5/25

Out: -0.351+/-0.278 χ^2/NDF:114.9/29

All: -2.057+/-0.201 χ^2/NDF: 300.3/55

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1030.186+/-0.254 χ^2/NDF:722180.5/10

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1085.503+/-0.269 χ^2/NDF:883795.5/9

Left: 1056.318+/-0.185 χ^2/NDF: 1628335.5/20

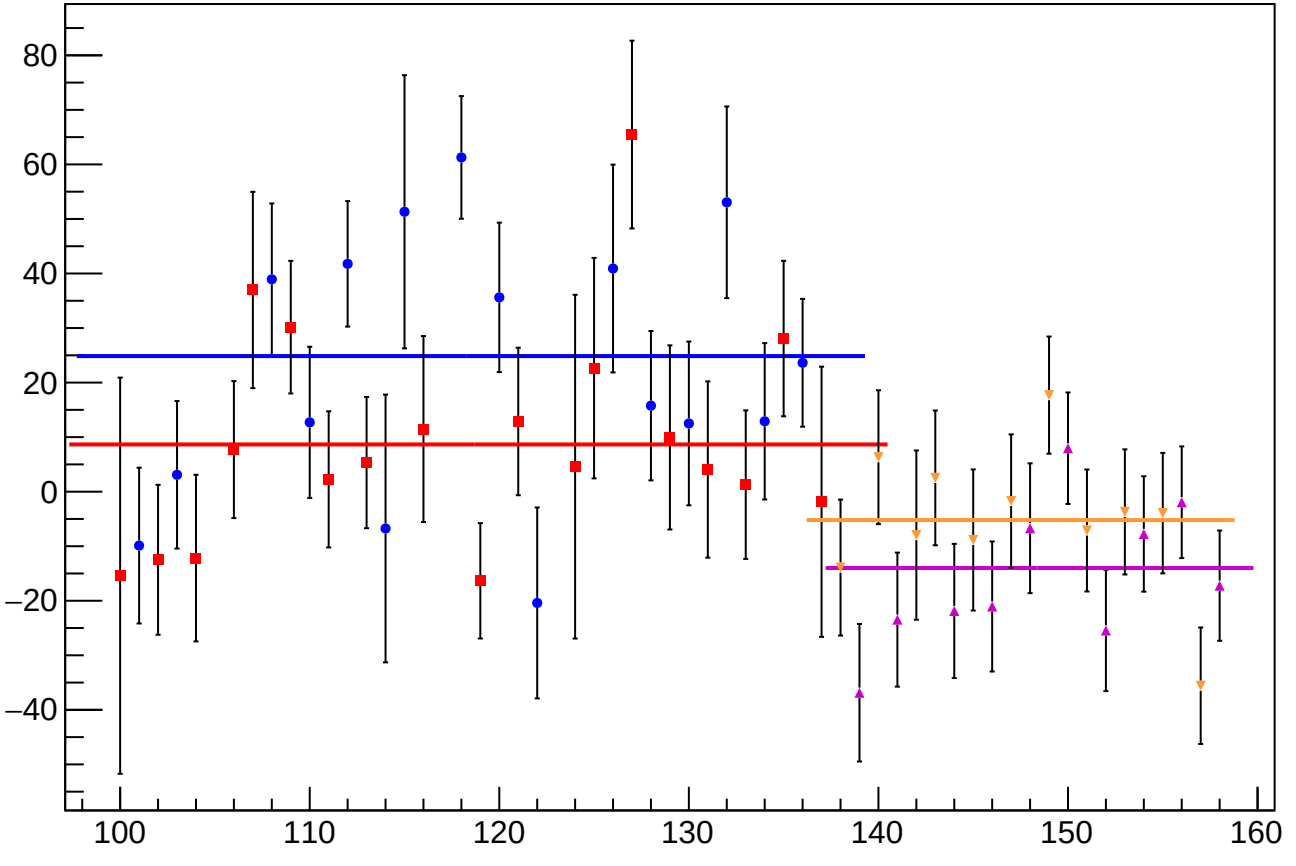
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1139.939+/-0.206 χ^2/NDF:1004693.2/25

Out: 1098.693+/-0.197 χ^2/NDF:940306.5/29

All: 1118.376+/-0.142 χ^2/NDF: 1966007.3/55

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -5.209+/-3.588 χ^2/NDF:14.7/10

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -13.992+/-3.546 χ^2/NDF:12.5/9

Left: -9.652+/-2.522 χ^2/NDF: 30.2/20

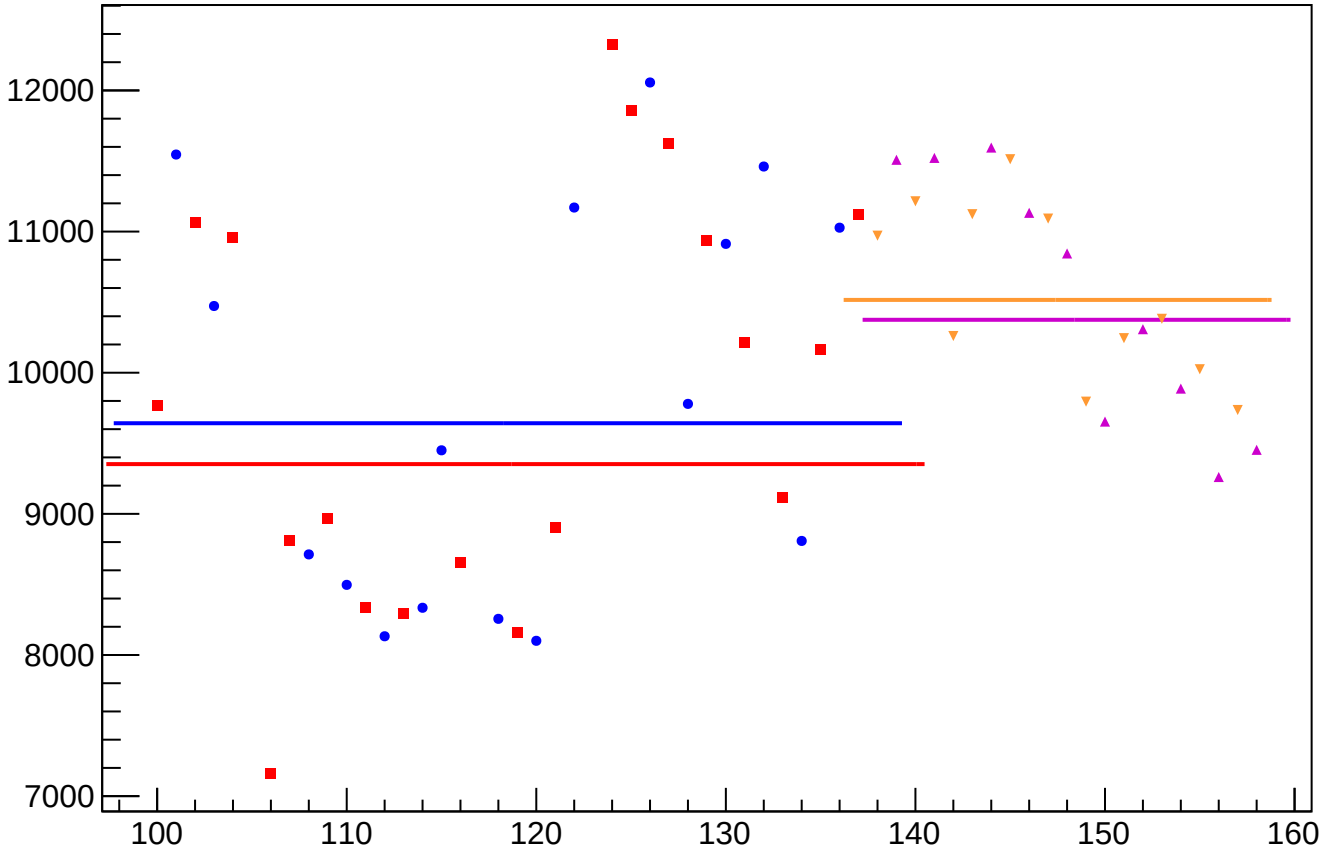
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 4.989+/-2.536 χ^2/NDF:109.3/25

Out: 1.988+/-2.488 χ^2/NDF:52.5/29

All: 3.460+/-1.776 χ^2/NDF: 162.6/55

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10515.836+/-2.537 χ^2/NDF:55936.9/10

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 10374.942+/-2.507 χ^2/NDF:119052.5/9

Left: 10444.564+/-1.783 χ^2/NDF: 176549.8/20

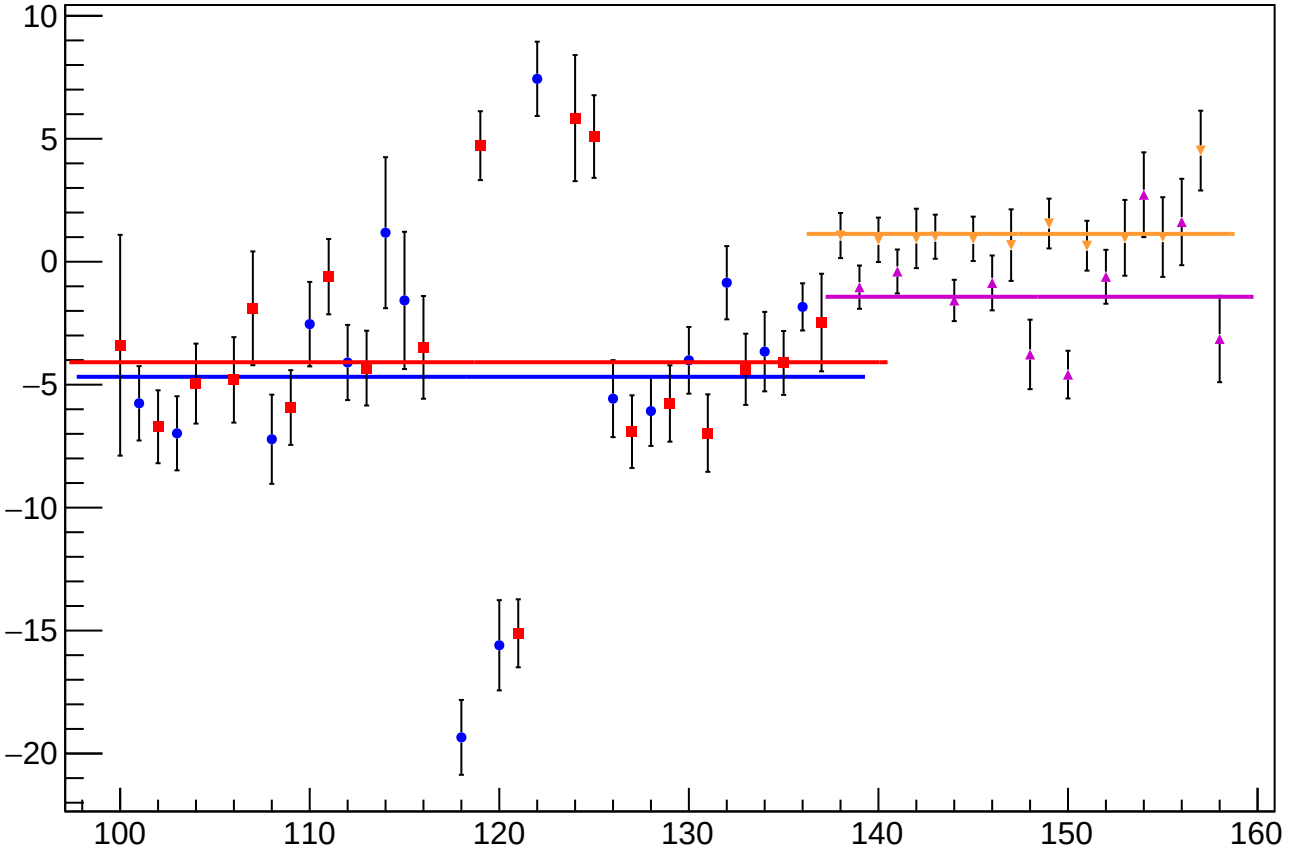
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10016.903+/-1.793 χ^2/NDF:440450.9/25

Out: 9912.057+/-1.759 χ^2/NDF:466862.1/29

All: 9963.485+/-1.256 χ^2/NDF: 909054.9/55

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.133+/-0.330 χ^2/NDF:5.0/10

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.426+/-0.350 χ^2/NDF:25.5/9

Left: -0.070+/-0.240 χ^2/NDF: 58.8/20

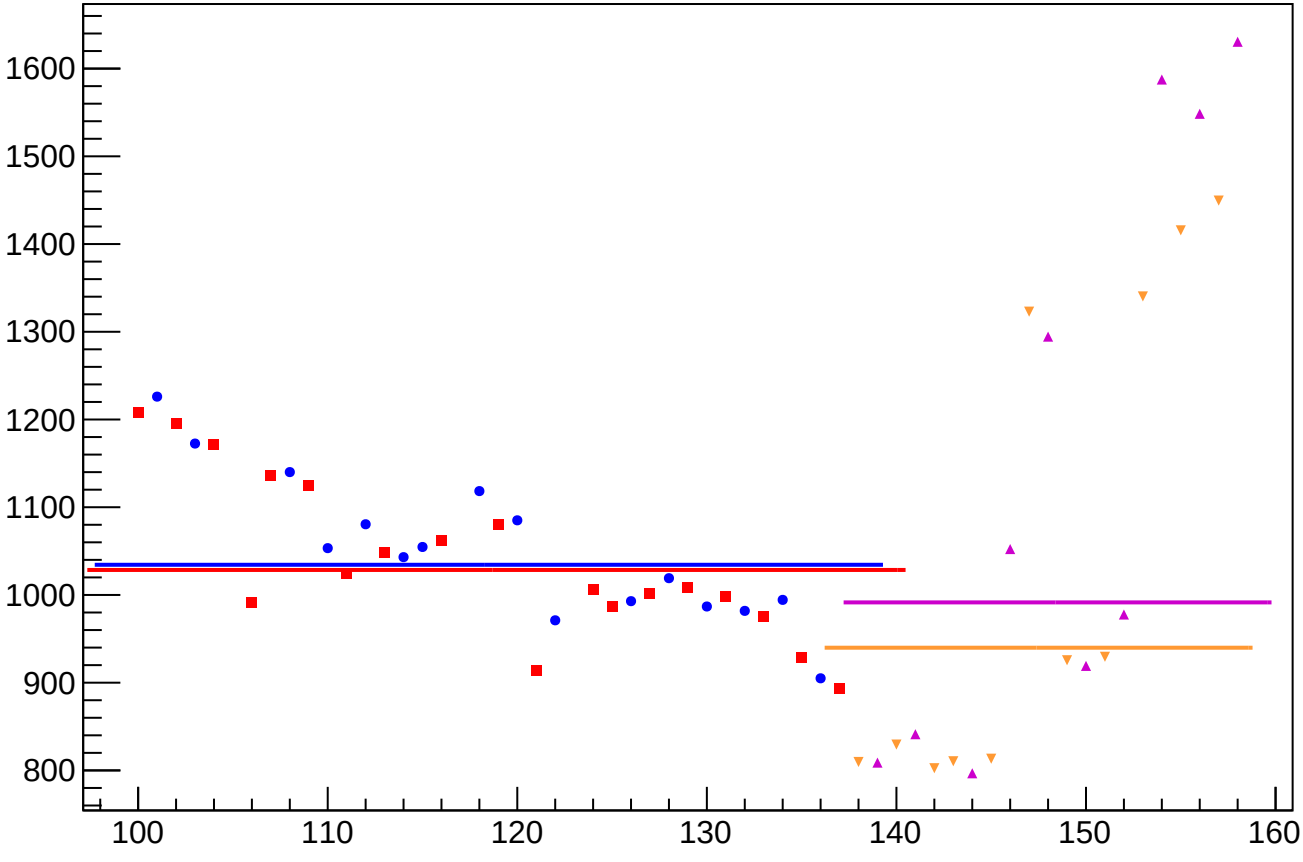
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.897+/-0.259 χ^2/NDF:285.7/25

Out: -1.137+/-0.248 χ^2/NDF:281.8/29

All: -1.978+/-0.179 χ^2/NDF: 591.5/55

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 939.870+/-0.233 χ^2/NDF:821083.5/10

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 991.518+/-0.248 χ^2/NDF:1064406.6/9

Left: 964.158+/-0.170 χ^2/NDF: 1908506.1/20

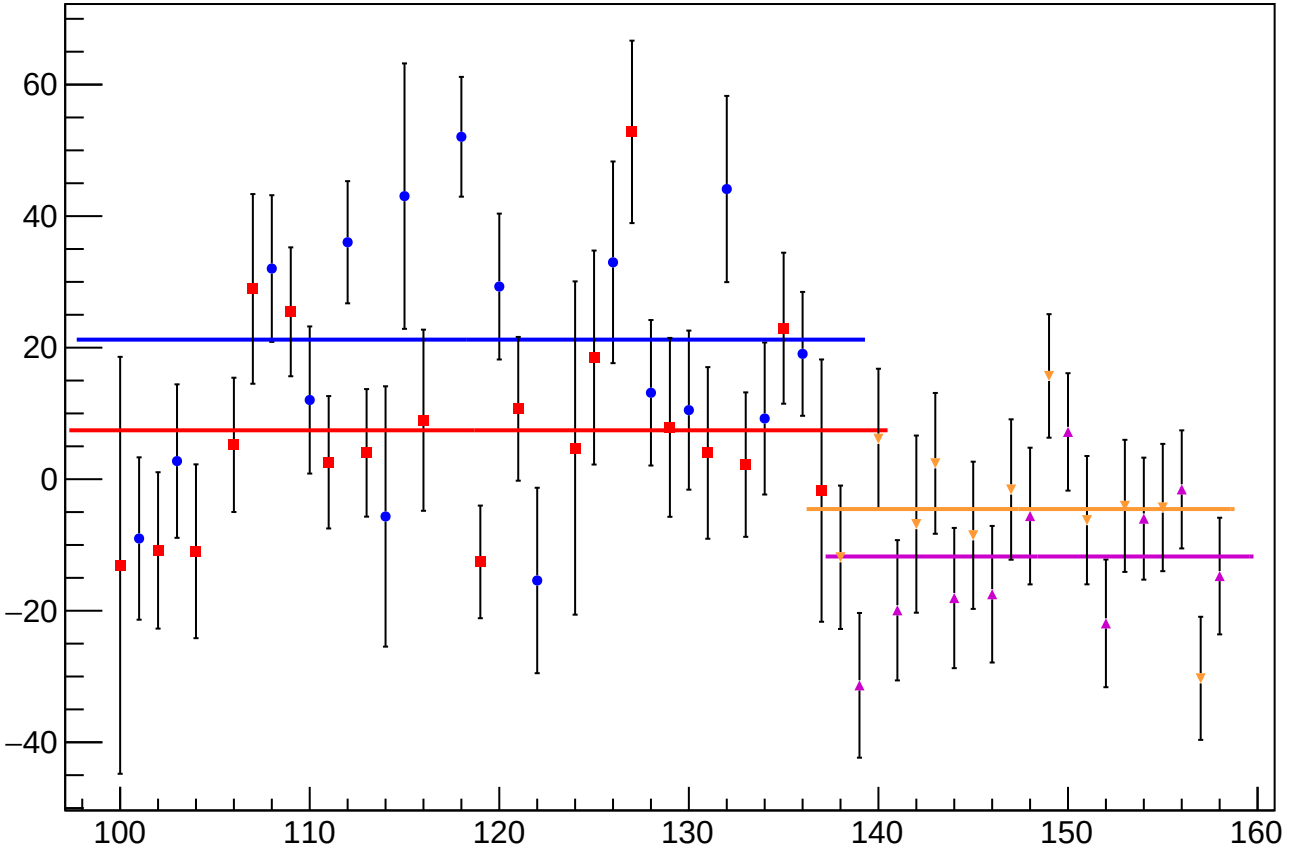
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1010.904+/-0.183 χ^2/NDF:1191227.3/25

Out: 978.411+/-0.176 χ^2/NDF:985382.8/29

All: 993.942+/-0.127 χ^2/NDF: 2192994.0/55

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -4.540+/-3.130 χ^2/NDF:14.4/10

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -11.751+/-3.096 χ^2/NDF:12.2/9

Left: -8.184+/-2.201 χ^2/NDF: 29.2/20

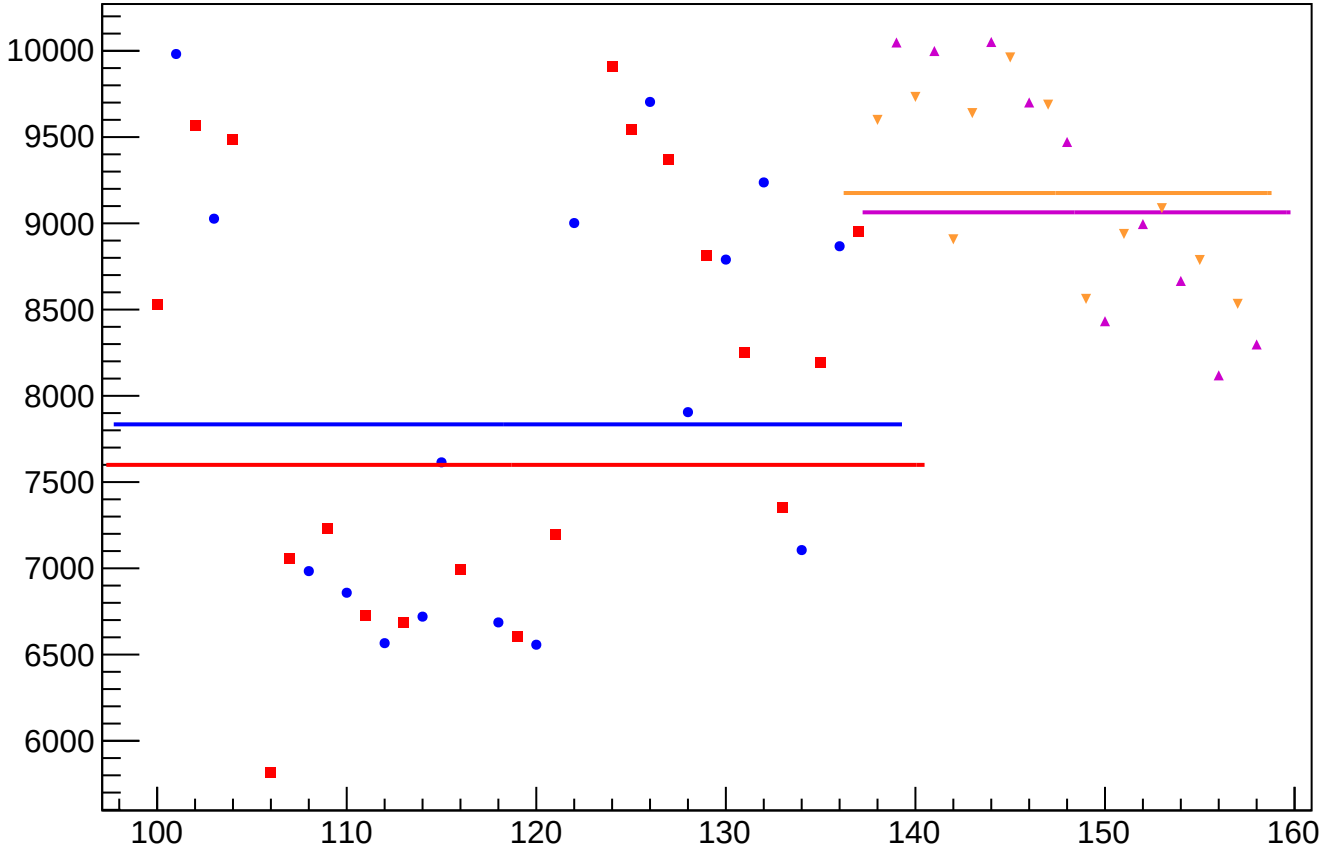
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 5.524+/-2.137 χ^2/NDF:111.6/25

Out: 2.090+/-2.091 χ^2/NDF:52.3/29

All: 3.770+/-1.494 χ^2/NDF: 165.2/55

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9175.771+/-2.213 χ^2/NDF:50034.9/10

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 9063.778+/-2.190 χ^2/NDF:110026.8/9

Left: 9119.176+/-1.556 χ^2/NDF: 161355.9/20

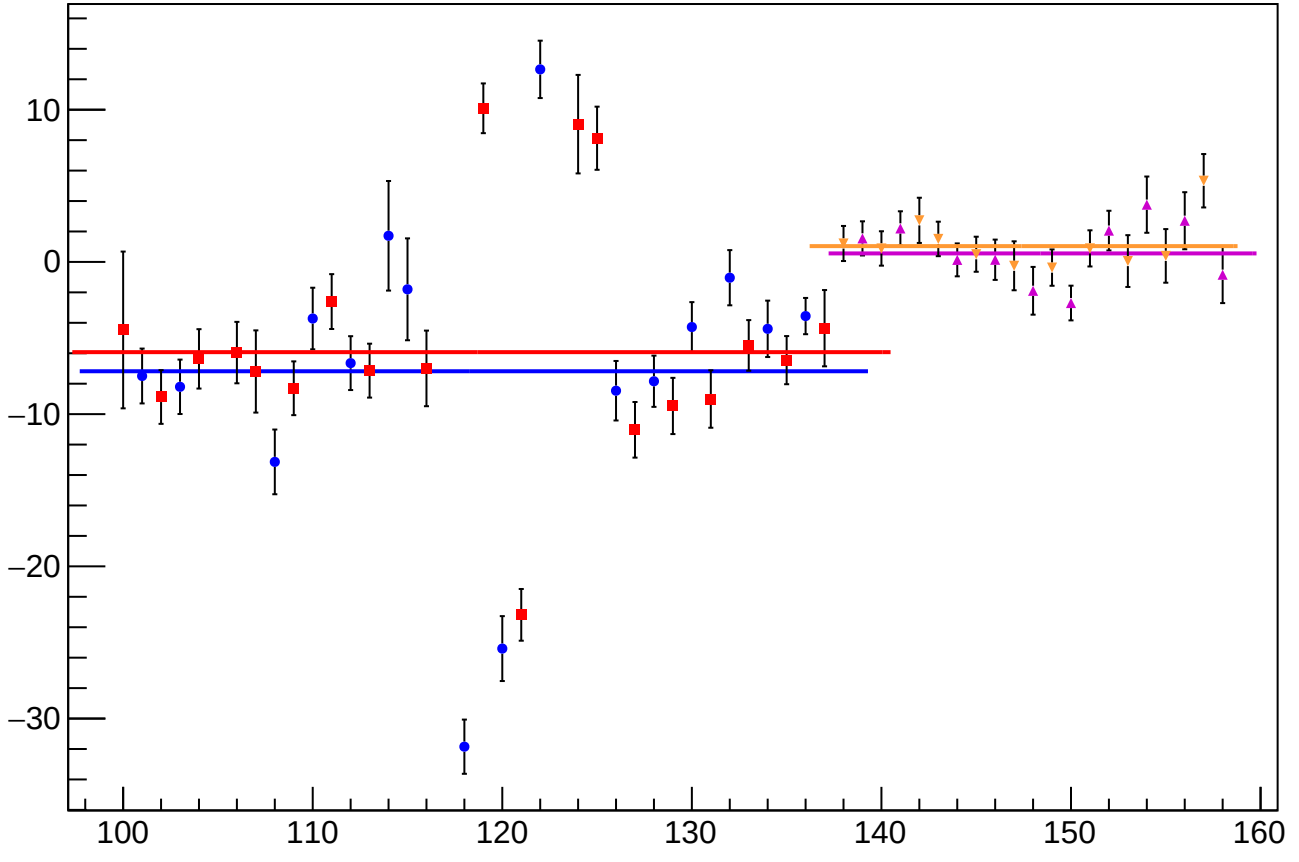
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8419.818+/-1.511 χ^2/NDF:593225.1/25

Out: 8303.247+/-1.479 χ^2/NDF:675100.6/29

All: 8360.278+/-1.057 χ^2/NDF: 1271366.6/55

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.038+/-0.398 χ^2/NDF:10.2/10

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.559+/-0.421 χ^2/NDF:20.0/9

Left: 0.812+/-0.289 χ^2/NDF: 30.9/20

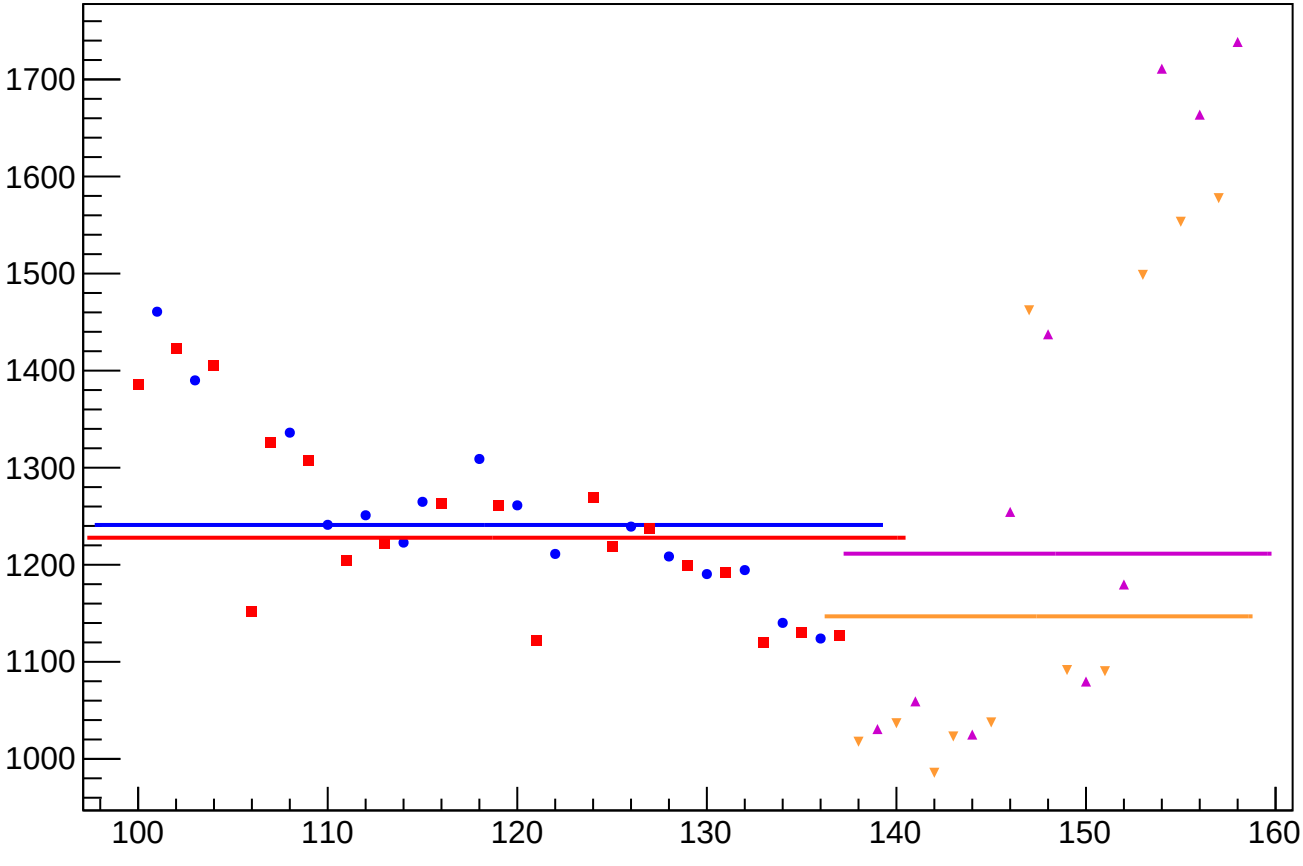
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -2.952+/-0.311 χ^2/NDF:595.4/25

Out: -2.026+/-0.298 χ^2/NDF:435.3/29

All: -2.469+/-0.215 χ^2/NDF: 1035.4/55

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1146.866+/-0.281 χ^2/NDF:507774.8/10

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1211.420+/-0.298 χ^2/NDF:641455.2/9

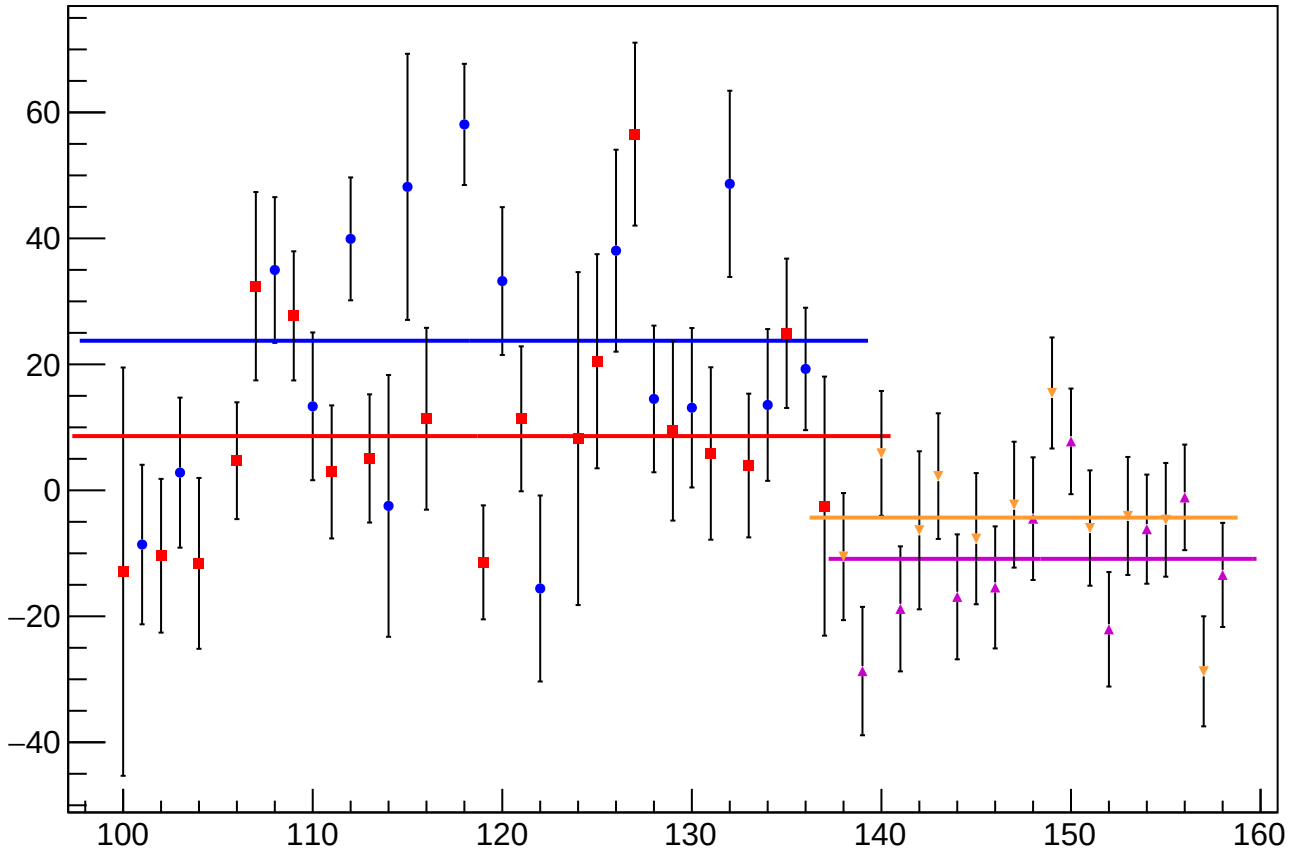
Left: 1177.317+/-0.205 χ^2/NDF: 1174046.5/20

Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1224.839+/-0.220 χ^2/NDF:726584.5/25

Out: 1182.494+/-0.211 χ^2/NDF:626545.1/29

All: 1202.731+/-0.152 χ^2/NDF: 1372442.9/55



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -4.331+/-2.921 χ^2/NDF:14.9/10

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -10.877+/-2.891 χ^2/NDF:12.9/9

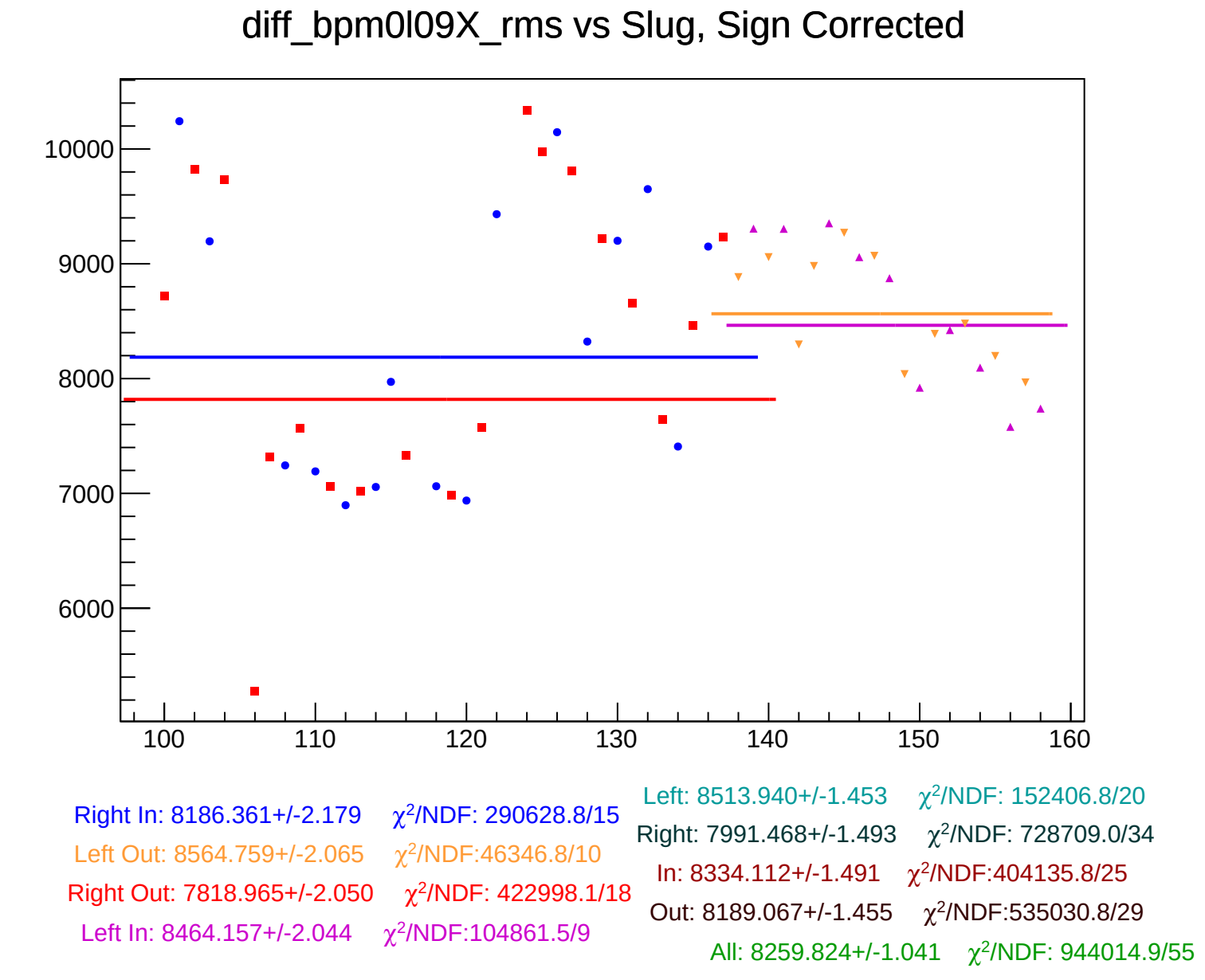
Left: -7.638+/-2.055 χ^2/NDF: 30.4/20

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

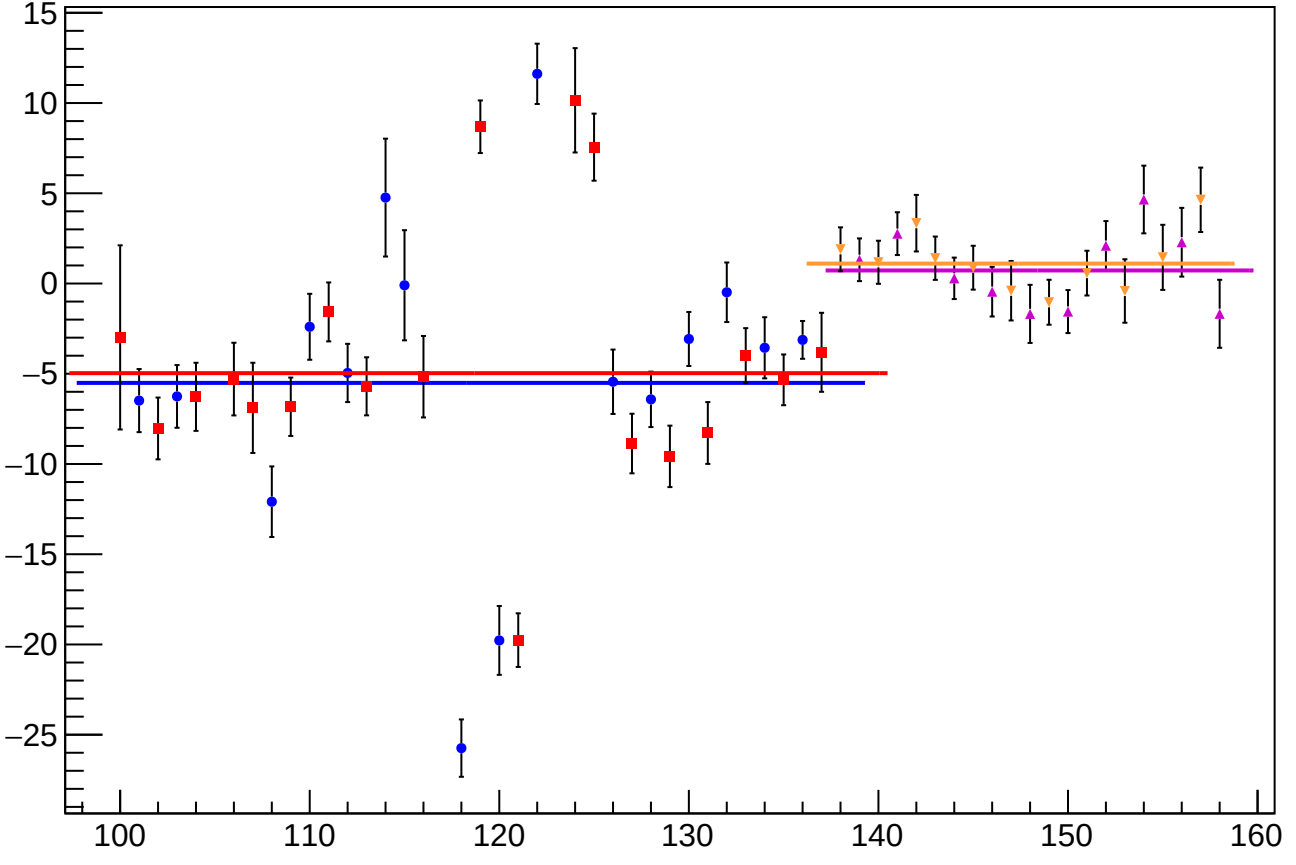
In: 5.333+/-2.108 χ^2/NDF:123.5/25

Out: 2.188+/-2.058 χ^2/NDF:55.3/29

All: 3.722+/-1.473 χ^2/NDF: 179.9/55


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8564.759+/-2.065 χ²/NDF:46346.8/10
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8464.157+/-2.044 χ²/NDF:104861.5/9
Left: 8513.940+/-1.453 χ²/NDF: 152406.8/20
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8334.112+/-1.491 χ²/NDF:404135.8/25
Out: 8189.067+/-1.455 χ²/NDF:535030.8/29
All: 8259.824+/-1.041 χ²/NDF: 944014.9/55

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.104+/-0.416 χ^2/NDF:11.3/10

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.723+/-0.439 χ^2/NDF:17.7/9

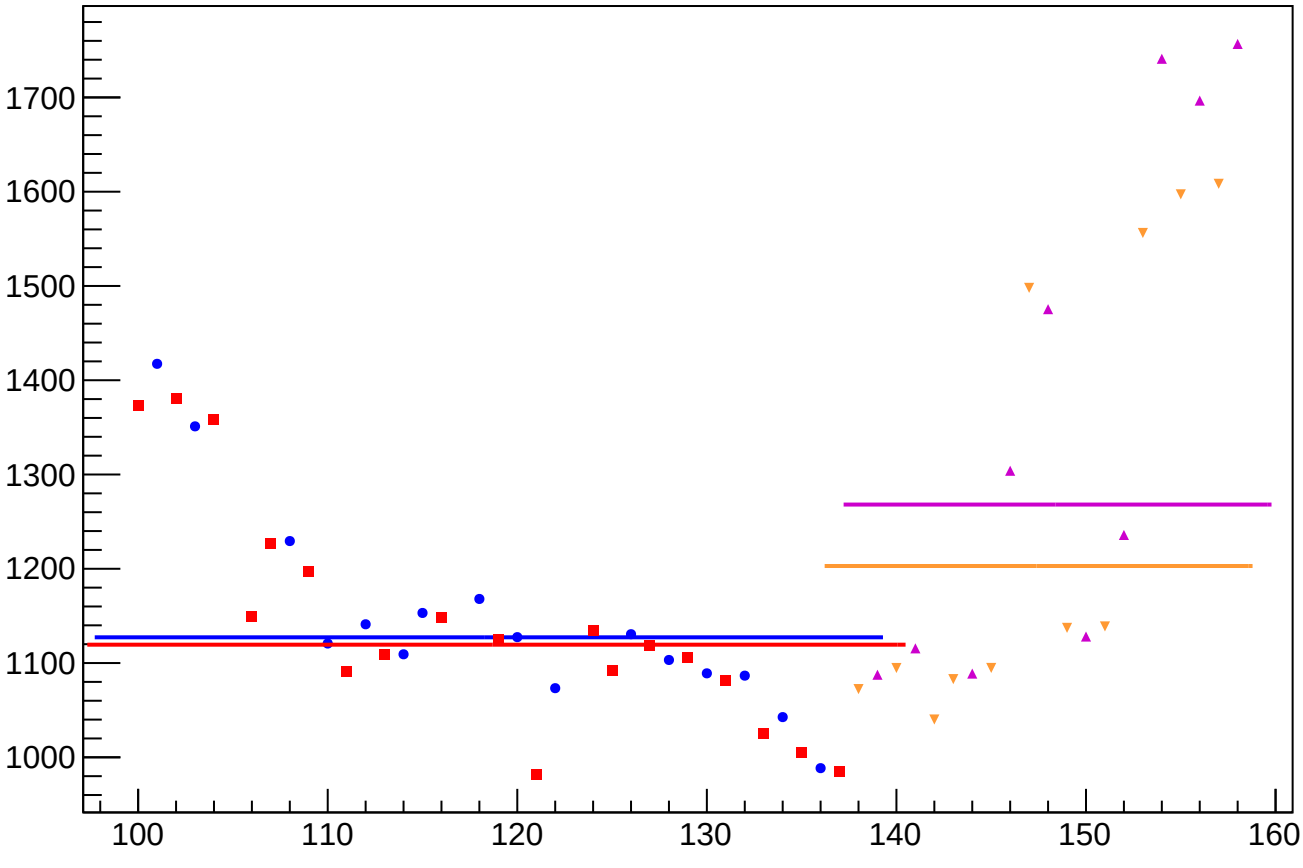
Left: 0.924+/-0.302 χ^2/NDF: 29.3/20

Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.525+/-0.304 χ^2/NDF:492.3/25

Out: -1.975+/-0.292 χ^2/NDF:406.4/29

All: -2.239+/-0.211 χ^2/NDF: 900.4/55



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1202.933+/-0.294 χ^2/NDF:451682.4/10

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1268.116+/-0.311 χ^2/NDF:554494.2/9

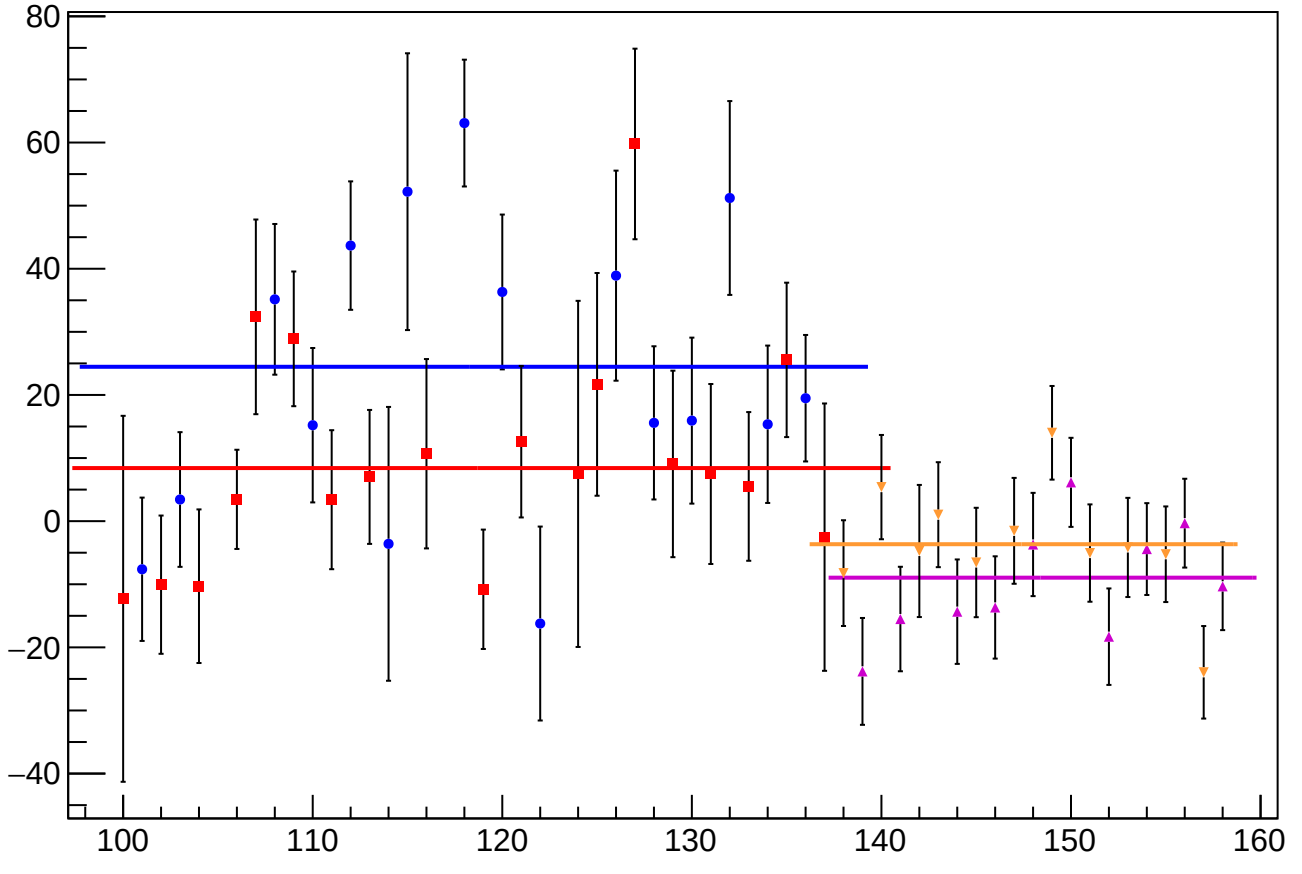
Left: 1233.775+/-0.214 χ^2/NDF: 1029376.8/20

Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1194.691+/-0.215 χ^2/NDF:802280.7/25

Out: 1160.601+/-0.207 χ^2/NDF:633190.4/29

All: 1176.979+/-0.149 χ^2/NDF: 1448545.9/55



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -3.652+/-2.446 χ^2/NDF:15.4/10

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.956+/-2.423 χ^2/NDF:12.9/9

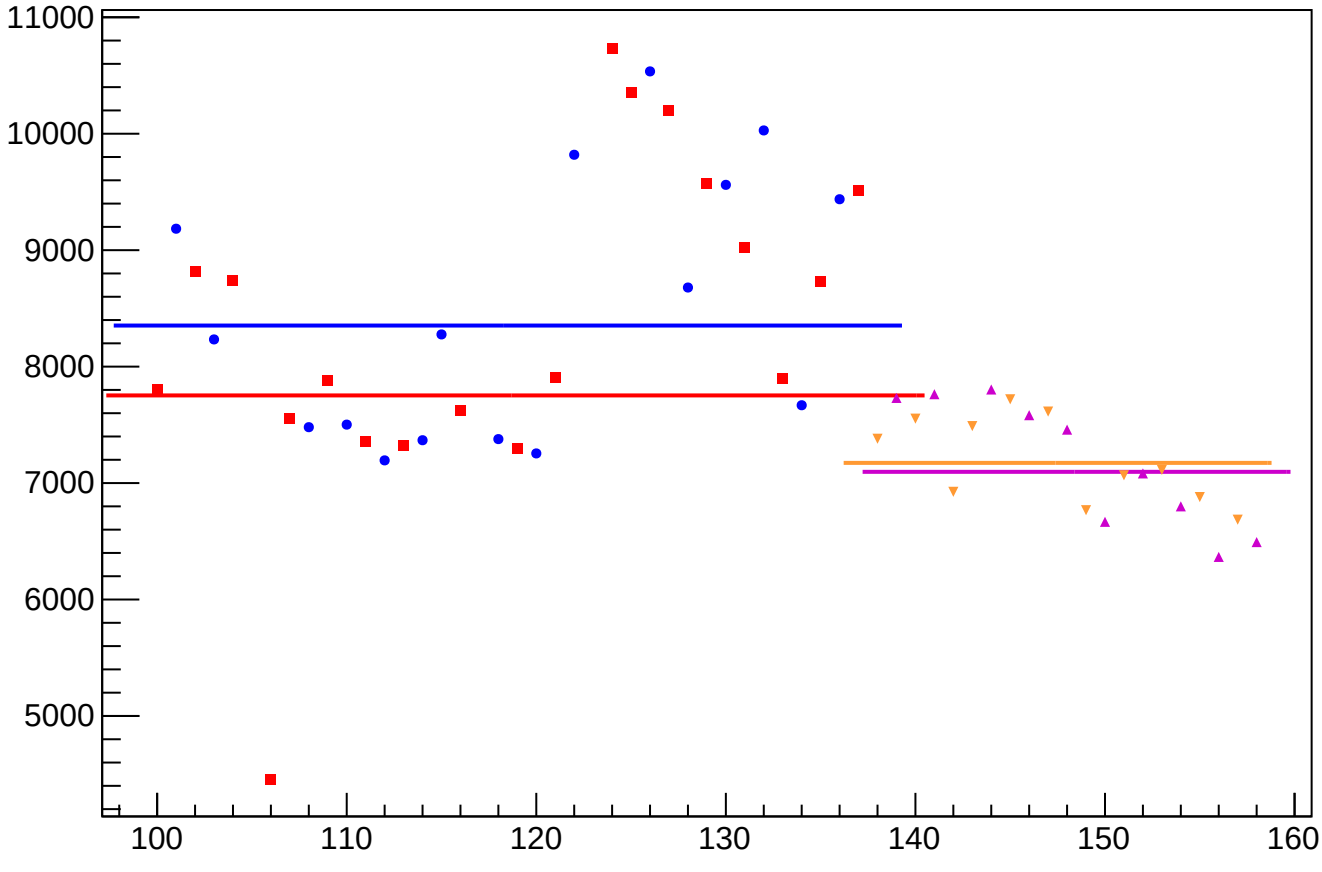
Left: -6.329+/-1.721 χ^2/NDF: 30.7/20

Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 3.536+/-1.917 χ^2/NDF:132.3/25

Out: 1.381+/-1.867 χ^2/NDF:56.7/29

All: 2.430+/-1.338 χ^2/NDF: 189.7/55



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7173.389+/-1.729 χ^2/NDF:41261.2/10

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7096.495+/-1.713 χ^2/NDF:97322.9/9

Left: 7134.581+/-1.217 χ^2/NDF: 139581.8/20

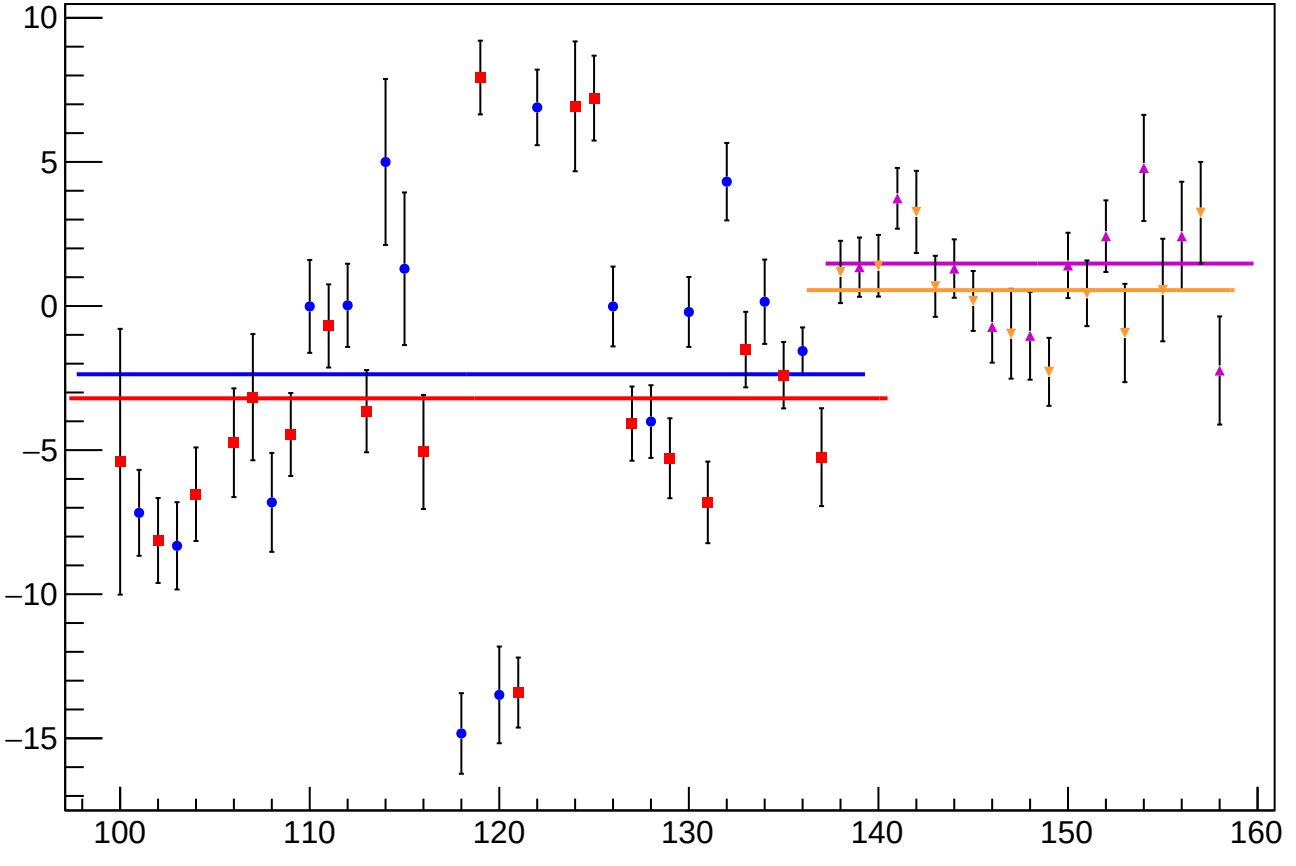
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7566.066+/-1.356 χ^2/NDF:518701.8/25

Out: 7415.047+/-1.320 χ^2/NDF:676136.8/29

All: 7488.555+/-0.946 χ^2/NDF: 1201206.8/55

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.551+/-0.380 χ^2/NDF:14.5/10

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.474+/-0.402 χ^2/NDF:18.5/9

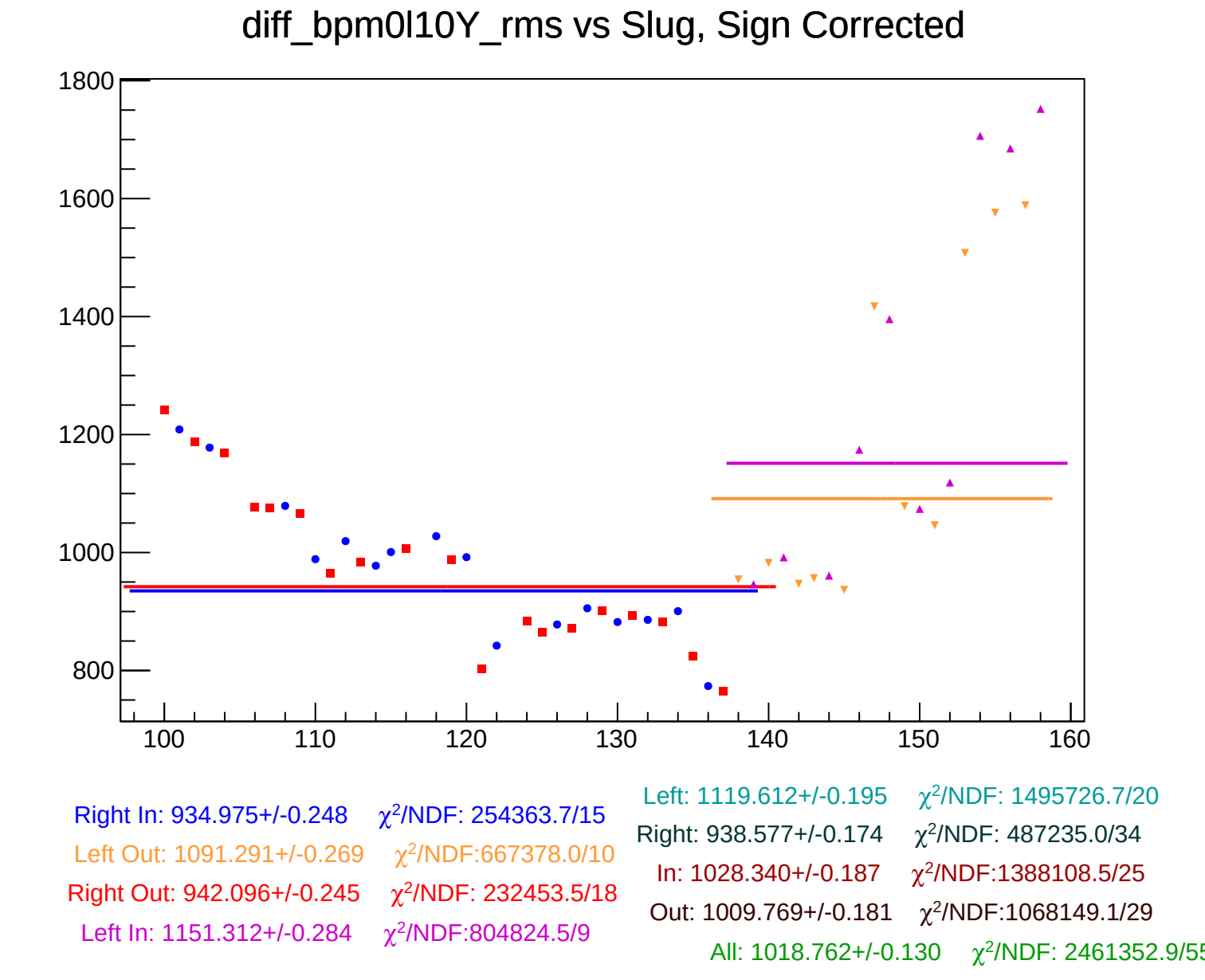
Left: 0.986+/-0.276 χ^2/NDF: 35.8/20

Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

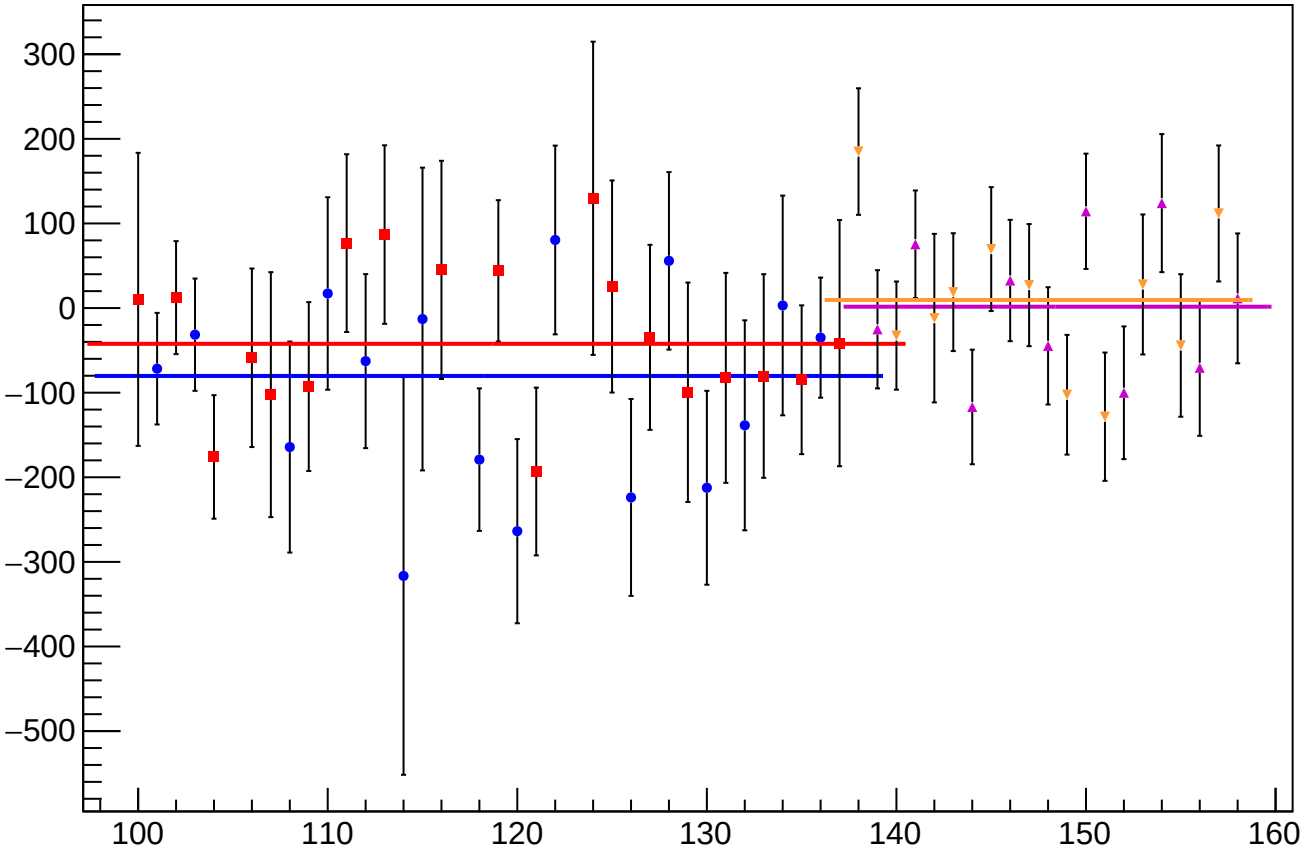
In: -0.710+/-0.264 χ^2/NDF:325.9/25

Out: -1.500+/-0.256 χ^2/NDF:318.3/29

All: -1.117+/-0.184 χ^2/NDF: 648.9/55


diff_bpm0l10Y_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 934.975+/-0.248 χ²/NDF: 254363.7/15
Left Out: 1091.291+/-0.269 χ²/NDF:667378.0/10
Right Out: 942.096+/-0.245 χ²/NDF: 232453.5/18
Left In: 1151.312+/-0.284 χ²/NDF:804824.5/9
Left: 1119.612+/-0.195 χ²/NDF: 1495726.7/20
Right: 938.577+/-0.174 χ²/NDF: 487235.0/34
In: 1028.340+/-0.187 χ²/NDF:1388108.5/25
Out: 1009.769+/-0.181 χ²/NDF:1068149.1/29
All: 1018.762+/-0.130 χ²/NDF: 2461352.9/55

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 9.527+/-22.795 χ^2/NDF:14.6/10

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 1.610+/-22.789 χ^2/NDF:12.7/9

Left: 5.567+/-16.116 χ^2/NDF: 27.4/20

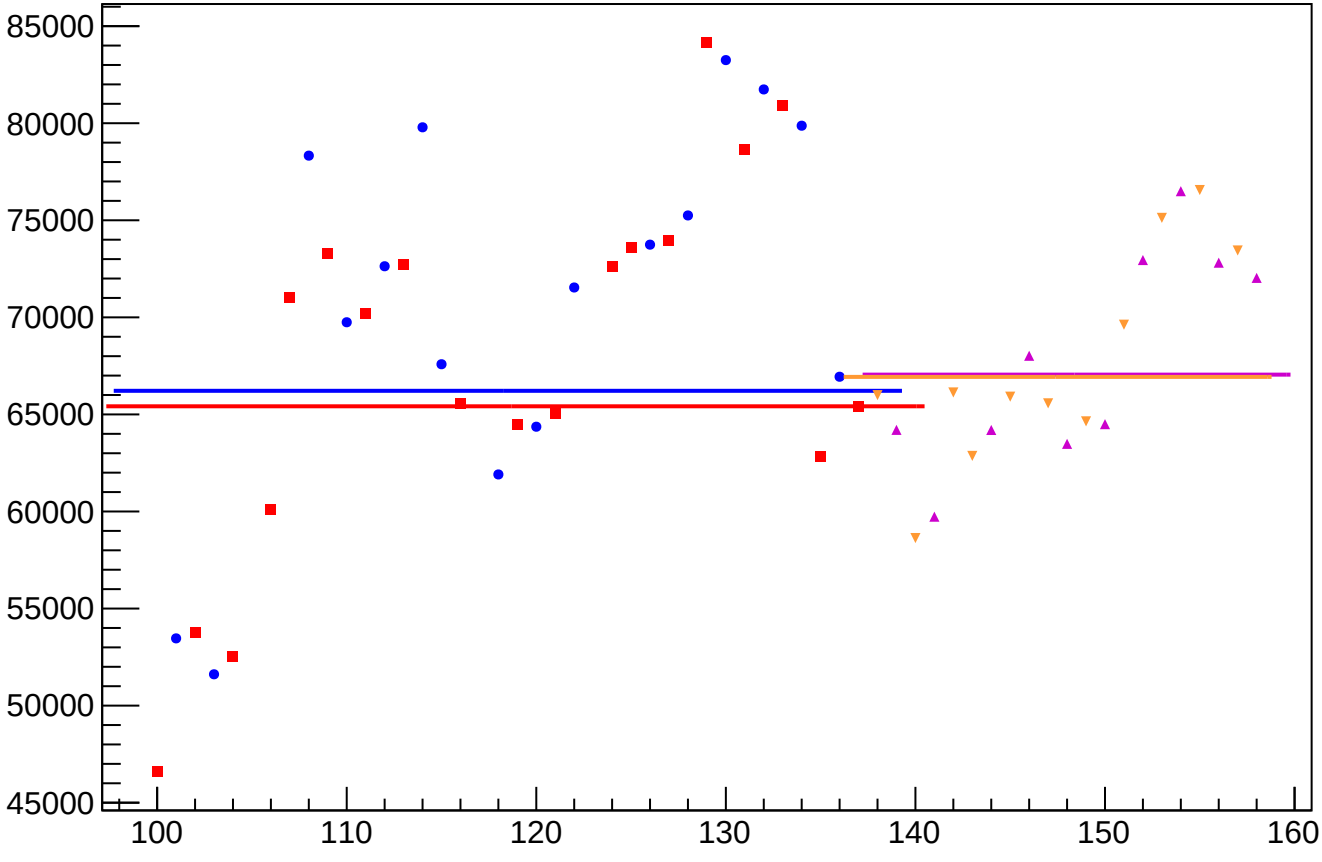
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -35.689+/-16.814 χ^2/NDF:33.4/25

Out: -14.880+/-16.575 χ^2/NDF:30.0/29

All: -25.136+/-11.804 χ^2/NDF: 64.2/55

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 66933.194+/-16.118 χ^2/NDF:105585.4/10

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 67049.422+/-16.114 χ^2/NDF:98679.0/9

Left: 66991.323+/-11.396 χ^2/NDF: 204290.5/20

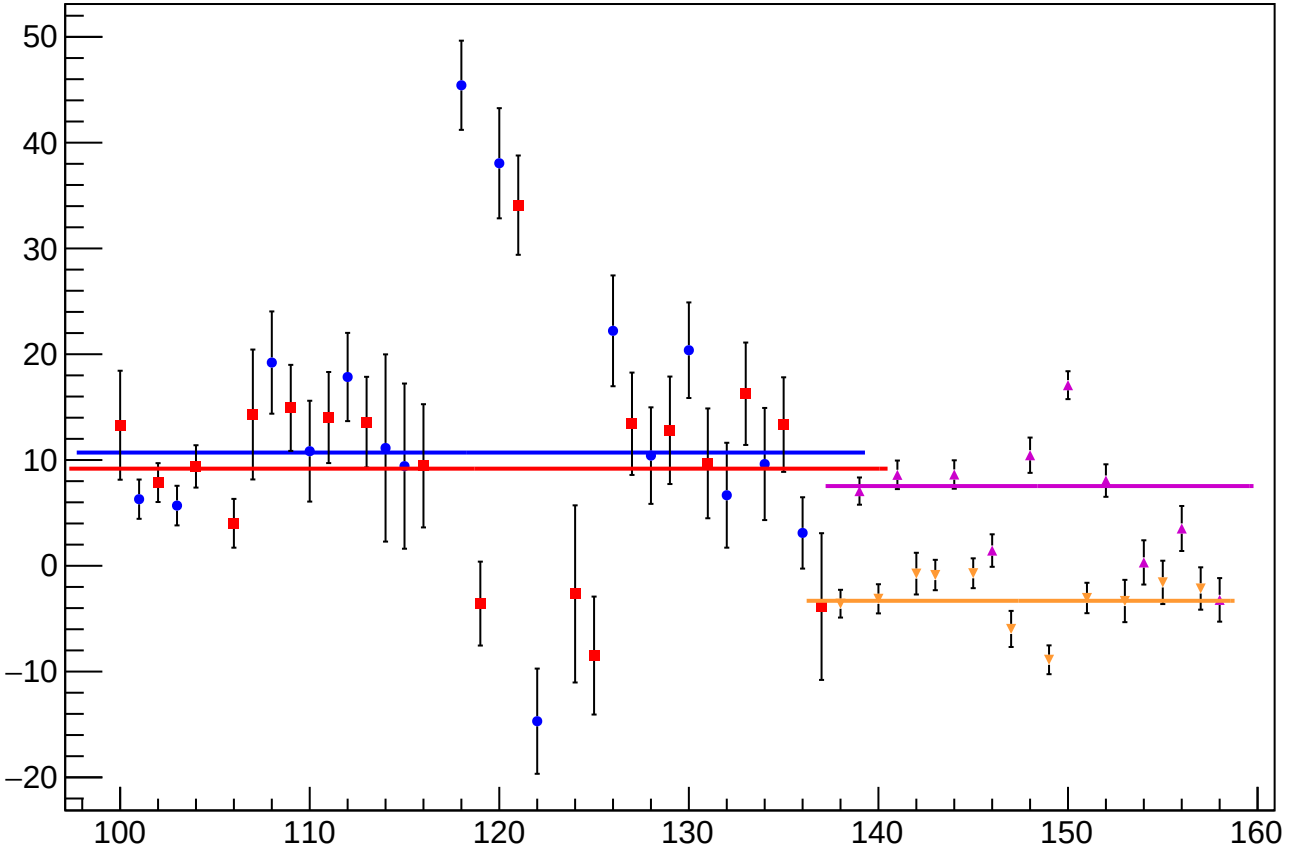
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 66669.734+/-11.889 χ^2/NDF:438275.1/25

Out: 66219.379+/-11.720 χ^2/NDF:414303.0/29

All: 66441.335+/-8.347 χ^2/NDF: 853305.8/55

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.310+/-0.474 χ^2/NDF:28.3/10

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 7.537+/-0.489 χ^2/NDF:115.4/9

Left: 1.936+/-0.340 χ^2/NDF: 397.3/20

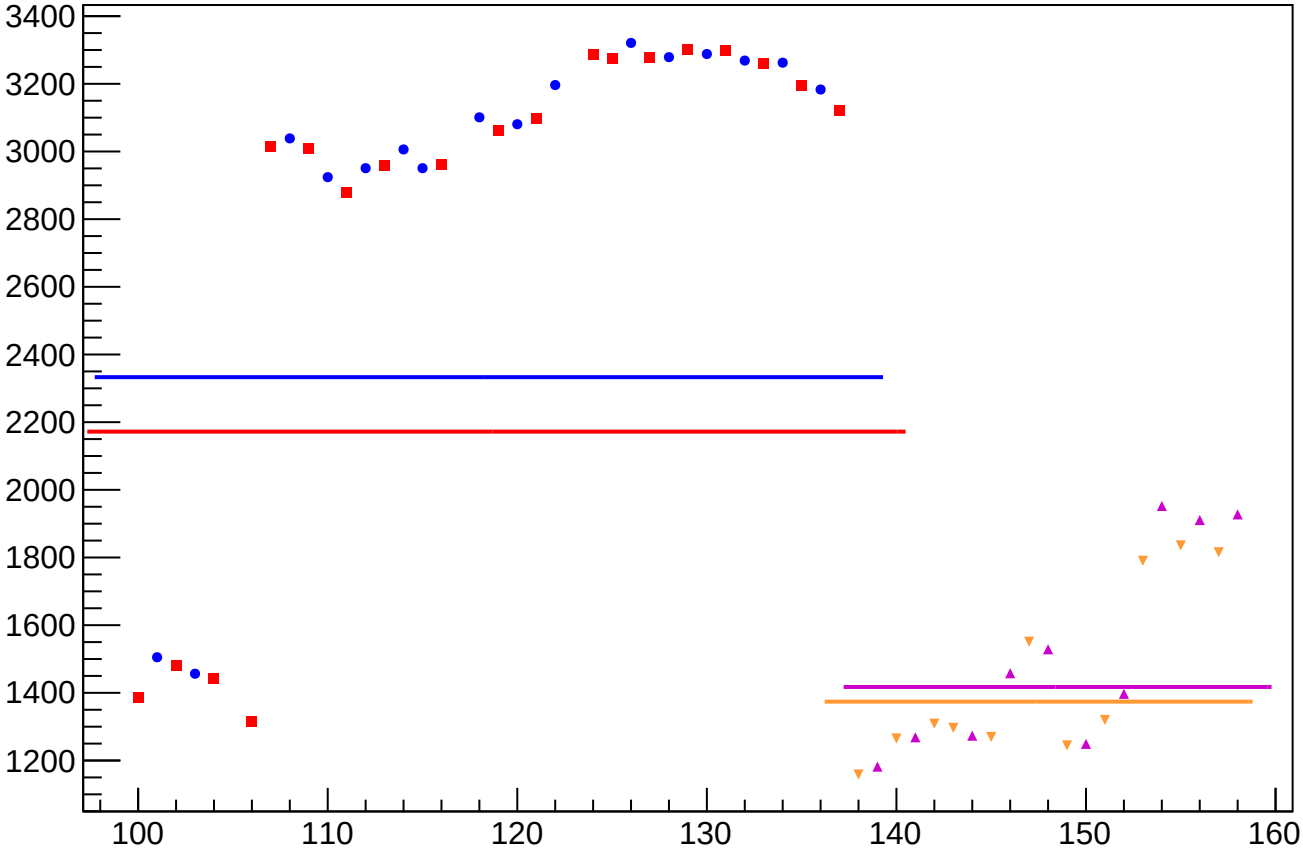
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 8.235+/-0.432 χ^2/NDF:280.1/25

Out: -0.350+/-0.414 χ^2/NDF:262.7/29

All: 3.756+/-0.299 χ^2/NDF: 748.7/55

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1374.009+/-0.335 χ^2/NDF:413155.2/10

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1417.354+/-0.346 χ^2/NDF:518295.7/9

Left: 1394.970+/-0.241 χ^2/NDF: 939549.7/20

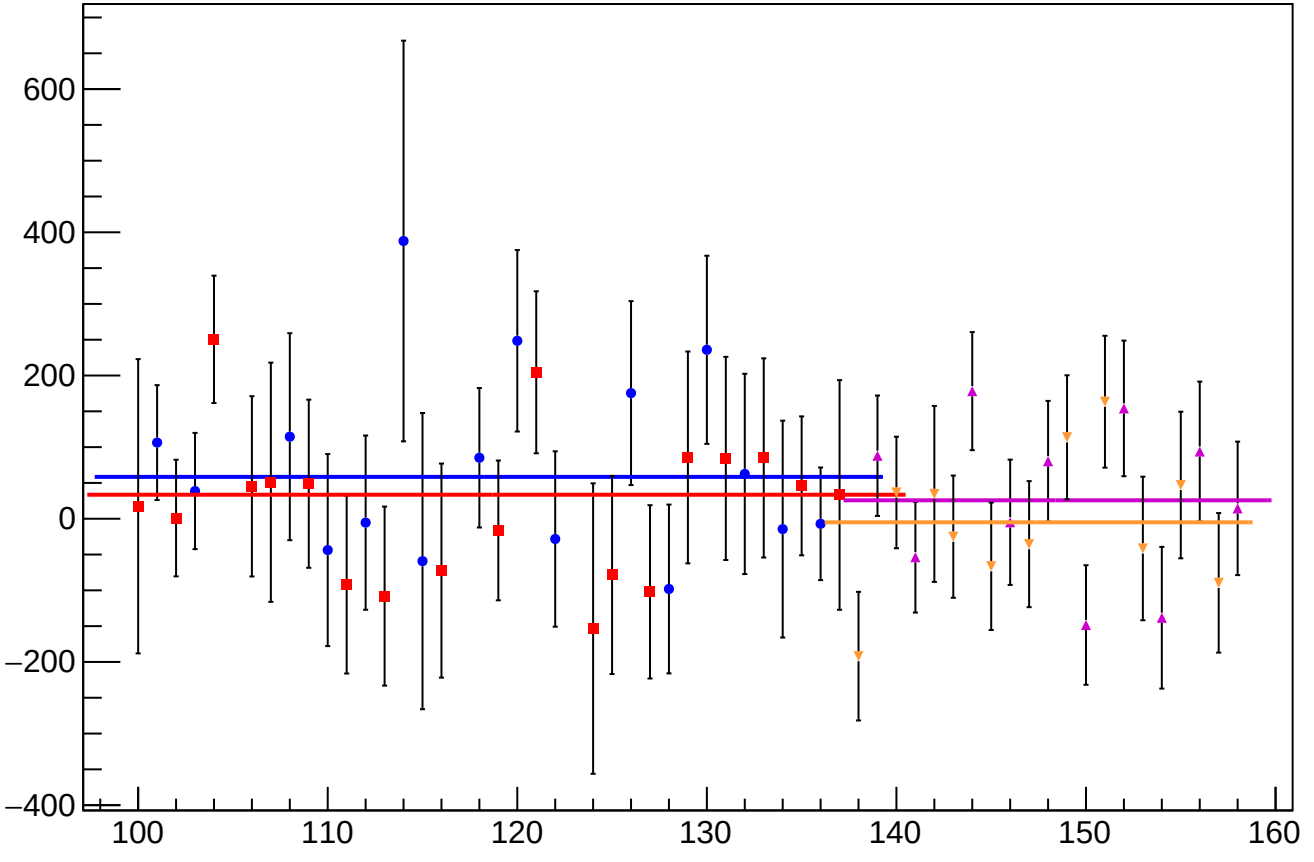
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1619.185+/-0.306 χ^2/NDF:3712367.5/25

Out: 1563.061+/-0.293 χ^2/NDF:3742216.8/29

All: 1589.902+/-0.211 χ^2/NDF: 7472181.5/55

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -4.978+/-27.743 χ^2/NDF:11.7/10

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 25.740+/-27.687 χ^2/NDF:15.0/9

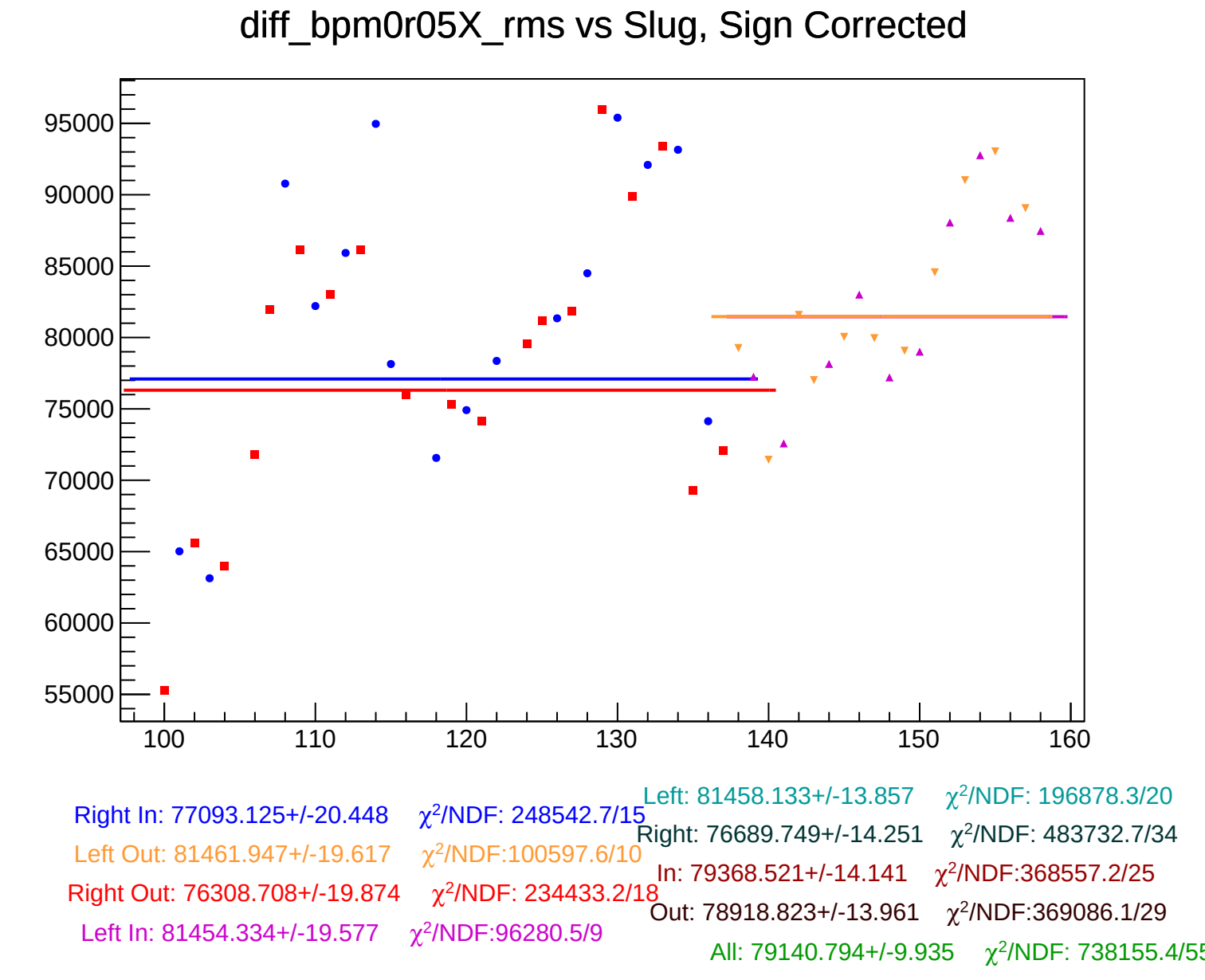
Left: 10.412+/-19.597 χ^2/NDF: 27.4/20

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

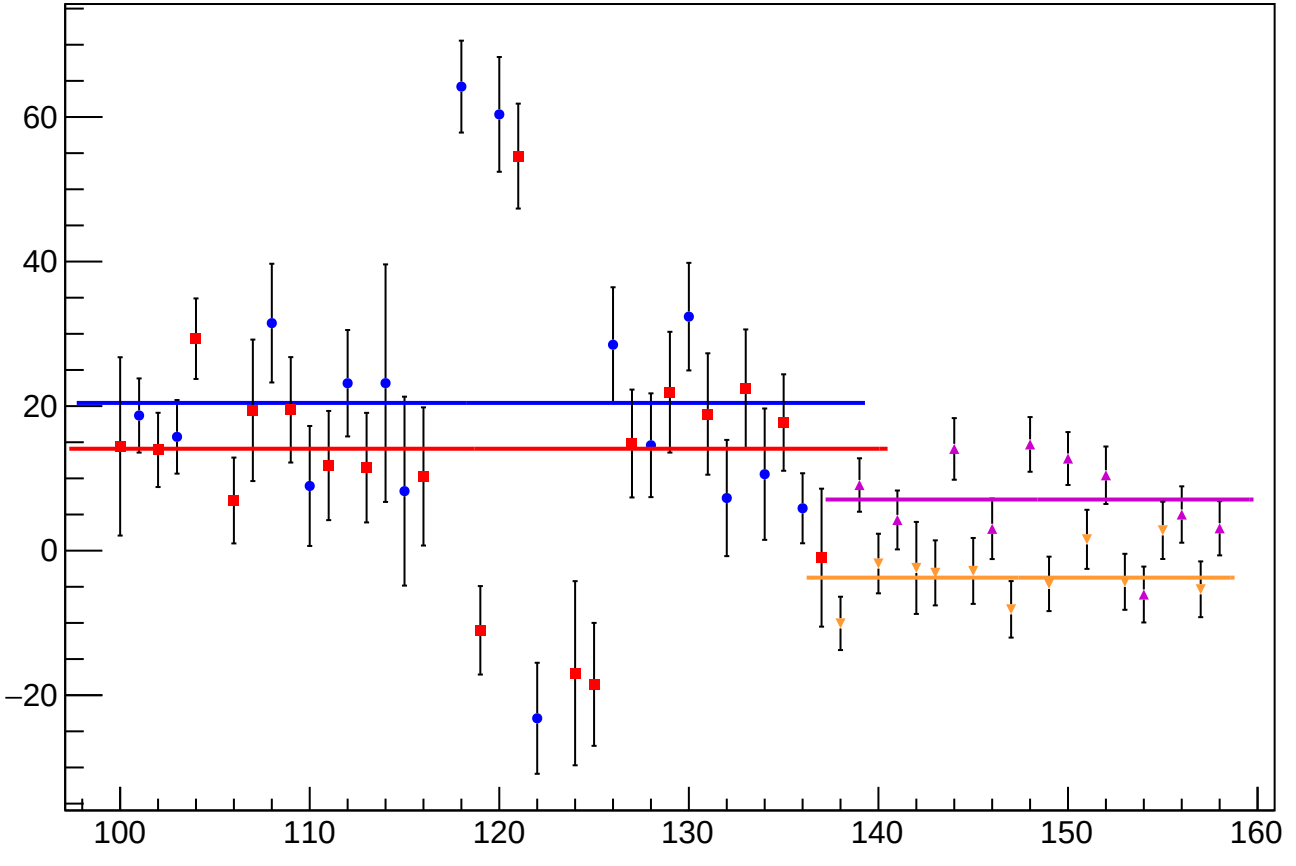
In: 41.382+/-19.998 χ^2/NDF:27.0/25

Out: 14.021+/-19.744 χ^2/NDF:27.4/29

All: 27.526+/-14.050 χ^2/NDF: 55.3/55


diff_bpm0r05X_rms vs Slug, Sign Corrected
95000
90000
85000
80000
75000
70000
65000
60000
55000
100
110
120
130
140
150
160
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 81461.947+/-19.617 χ²/NDF:100597.6/10
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 81454.334+/-19.577 χ²/NDF:96280.5/9
Left: 81458.133+/-13.857 χ²/NDF: 196878.3/20
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 79368.521+/-14.141 χ²/NDF:368557.2/25
Out: 78918.823+/-13.961 χ²/NDF:369086.1/29
All: 79140.794+/-9.935 χ²/NDF: 738155.4/55

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.735+/-1.243 χ^2/NDF:9.2/10

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 7.075+/-1.234 χ^2/NDF:24.6/9

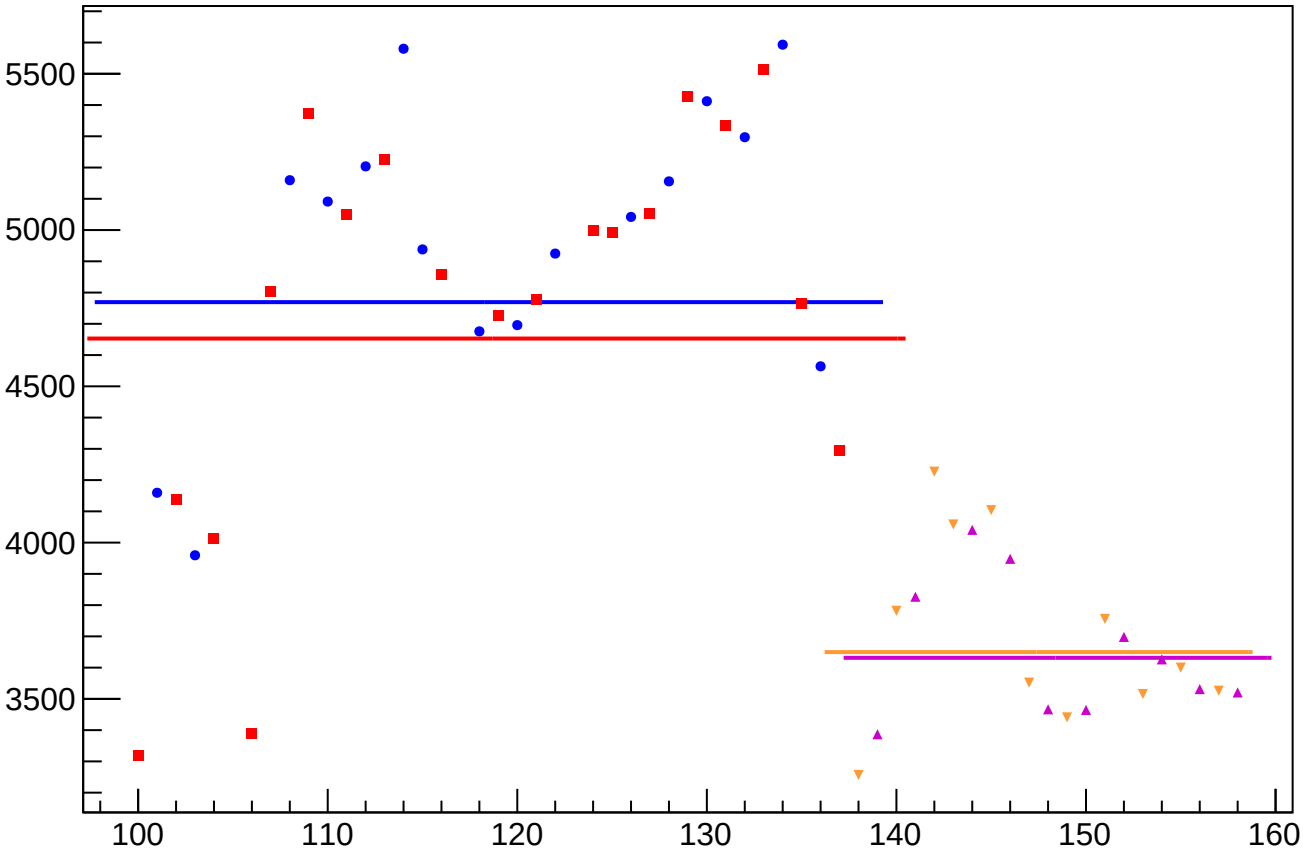
Left: 1.708+/-0.876 χ^2/NDF: 71.9/20

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 11.406+/-1.014 χ^2/NDF:190.4/25

Out: 2.412+/-1.006 χ^2/NDF:164.0/29

All: 6.872+/-0.714 χ^2/NDF: 394.0/55



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3649.672+/-0.879 χ^2/NDF:91017.0/10

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3631.405+/-0.872 χ^2/NDF:54823.4/9

Left: 3640.473+/-0.619 χ^2/NDF: 146058.1/20

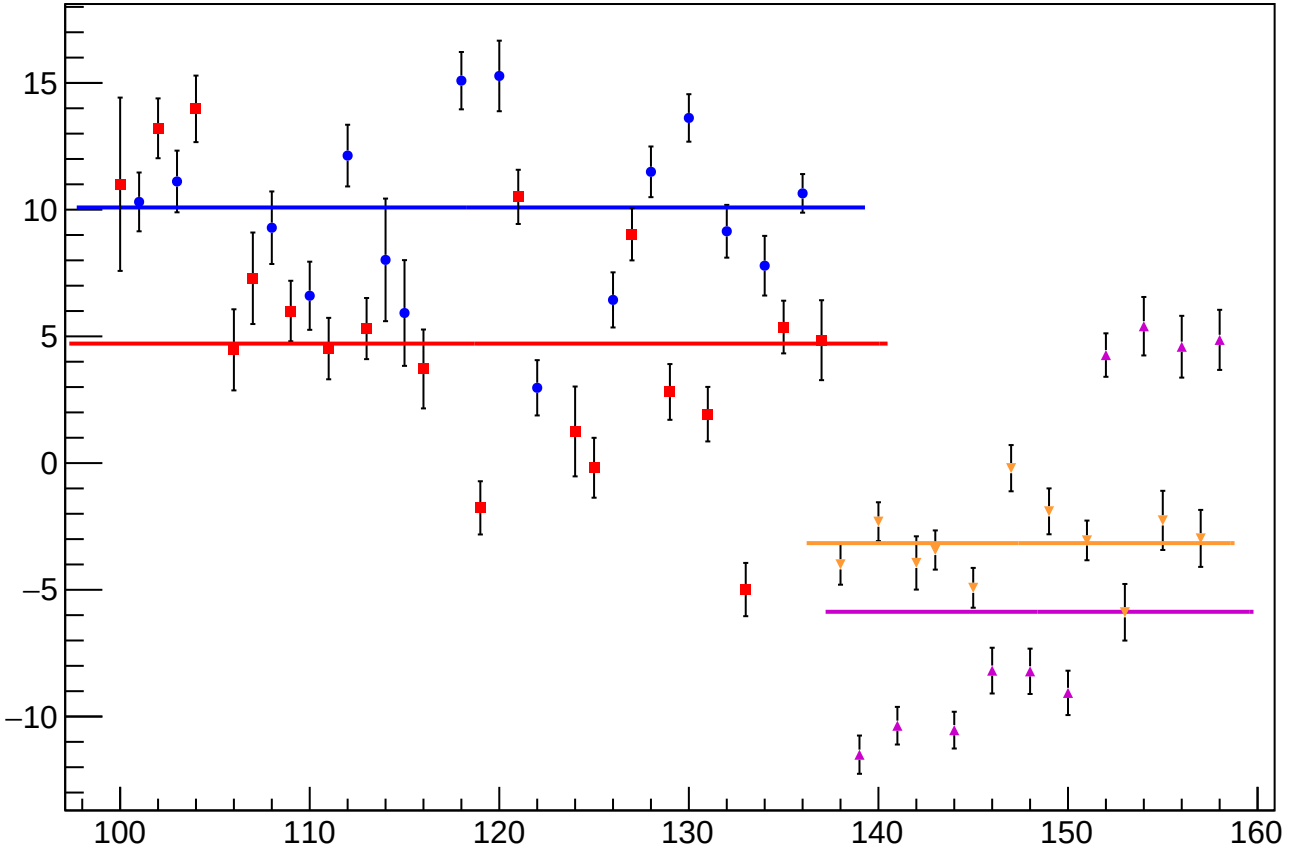
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4000.153+/-0.717 χ^2/NDF:757837.3/25

Out: 3995.422+/-0.711 χ^2/NDF:805425.9/29

All: 3997.768+/-0.505 χ^2/NDF: 1563285.0/55

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.158+/-0.269 χ^2/NDF:27.1/10

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -5.867+/-0.280 χ^2/NDF:551.1/9

Left: -4.457+/-0.194 χ^2/NDF: 626.9/20

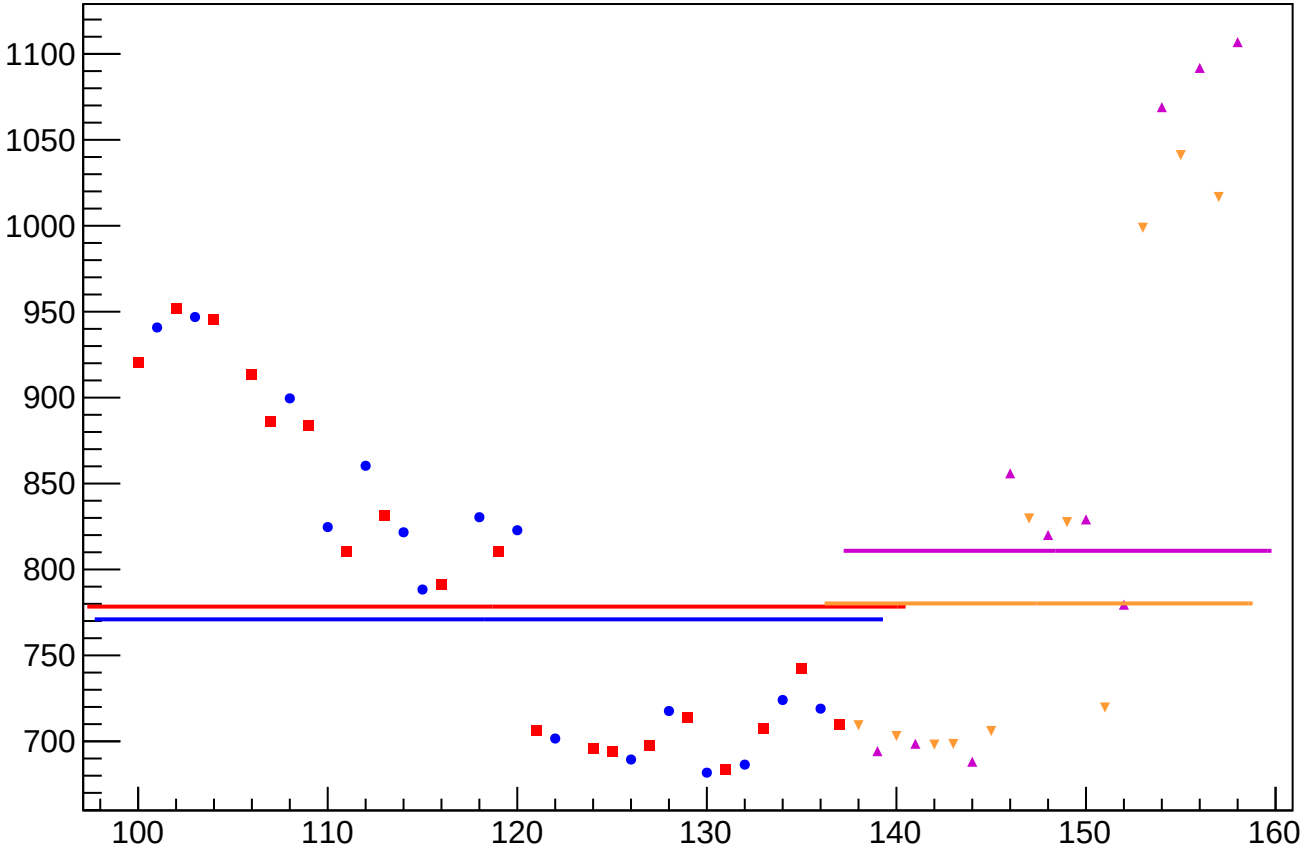
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.876+/-0.201 χ^2/NDF:2250.1/25

Out: 0.539+/-0.196 χ^2/NDF:739.8/29

All: 1.191+/-0.140 χ^2/NDF: 3012.6/55

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 780.227+/-0.190 χ^2/NDF:376716.8/10

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 810.859+/-0.198 χ^2/NDF:490517.1/9

Left: 794.920+/-0.137 χ^2/NDF: 879683.8/20

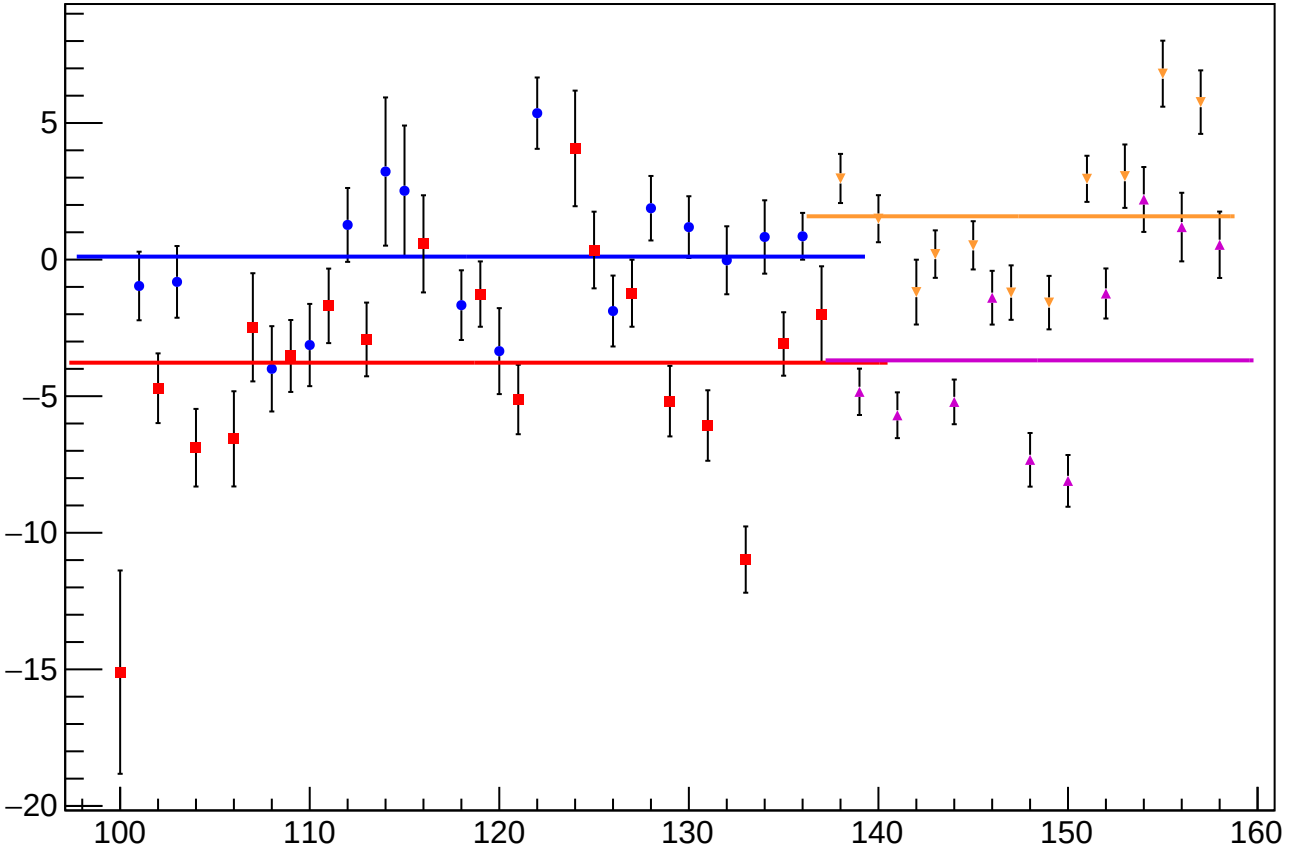
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 791.499+/-0.142 χ^2/NDF:703118.6/25

Out: 779.366+/-0.138 χ^2/NDF:573304.6/29

All: 785.277+/-0.099 χ^2/NDF: 1280163.7/55

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.585+/-0.295 χ^2/NDF:65.9/10

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -3.689+/-0.306 χ^2/NDF:110.9/9

Left: -0.956+/-0.212 χ^2/NDF: 331.1/20

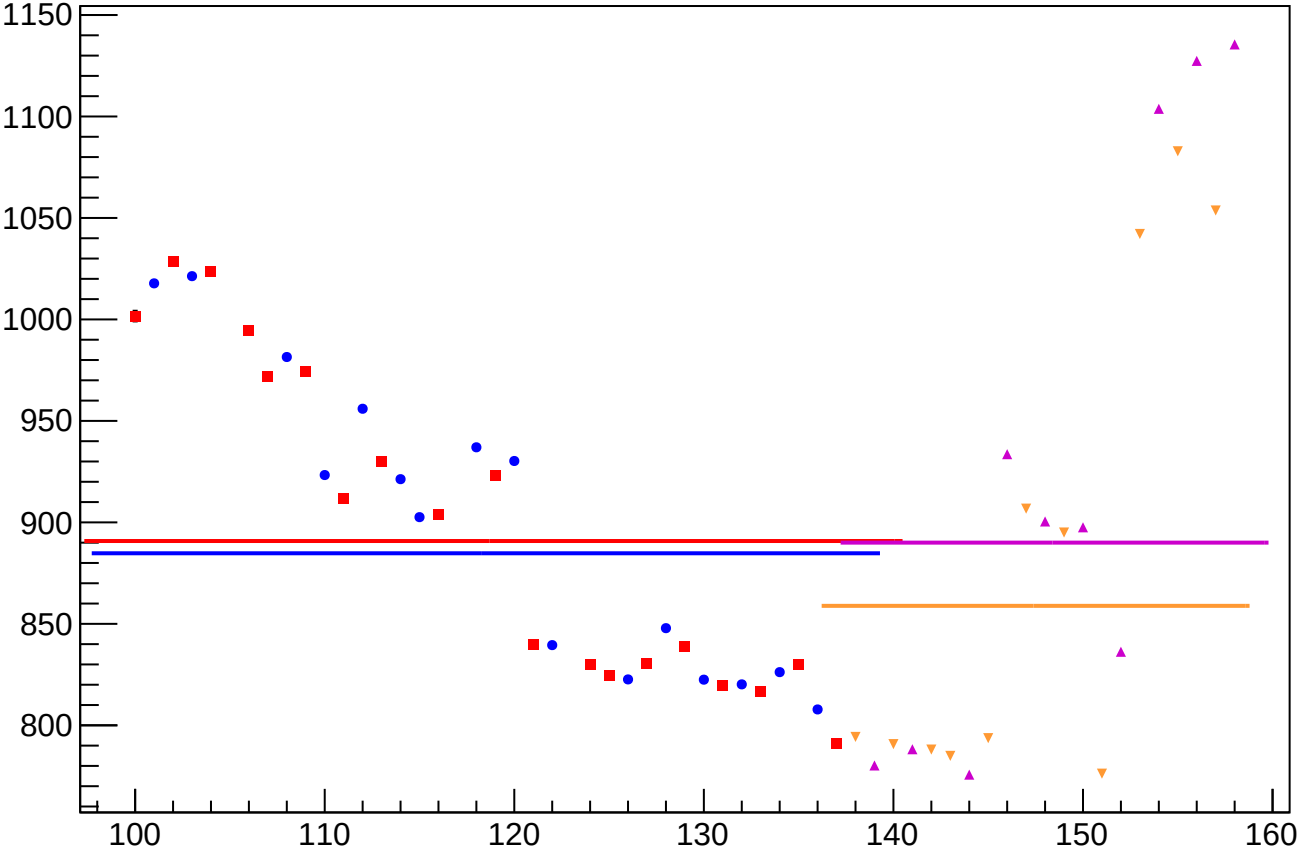
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.935+/-0.224 χ^2/NDF:227.6/25

Out: -0.824+/-0.219 χ^2/NDF:314.2/29

All: -1.365+/-0.157 χ^2/NDF: 554.3/55

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 858.871+/-0.208 χ^2/NDF:256577.0/10

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 890.021+/-0.216 χ^2/NDF:331272.1/9

Left: 873.876+/-0.150 χ^2/NDF: 598618.5/20

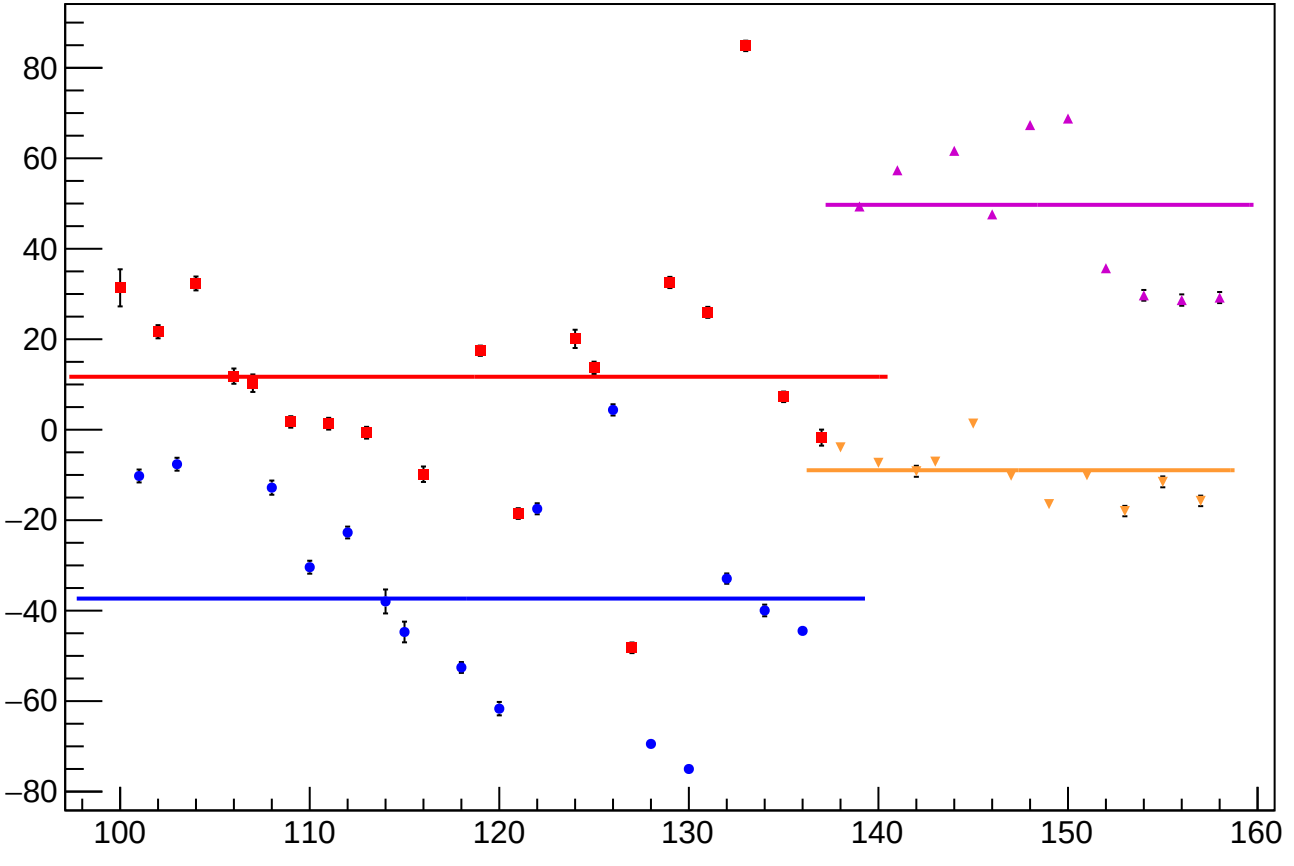
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 887.598+/-0.159 χ^2/NDF:436038.7/25

Out: 873.230+/-0.155 χ^2/NDF:374908.6/29

All: 880.232+/-0.111 χ^2/NDF: 815158.1/55

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.960+/-0.300 χ^2/NDF:323.0/10

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 49.714+/-0.313 χ^2/NDF:1995.8/9

Left: 19.102+/-0.216 χ^2/NDF: 20669.6/20

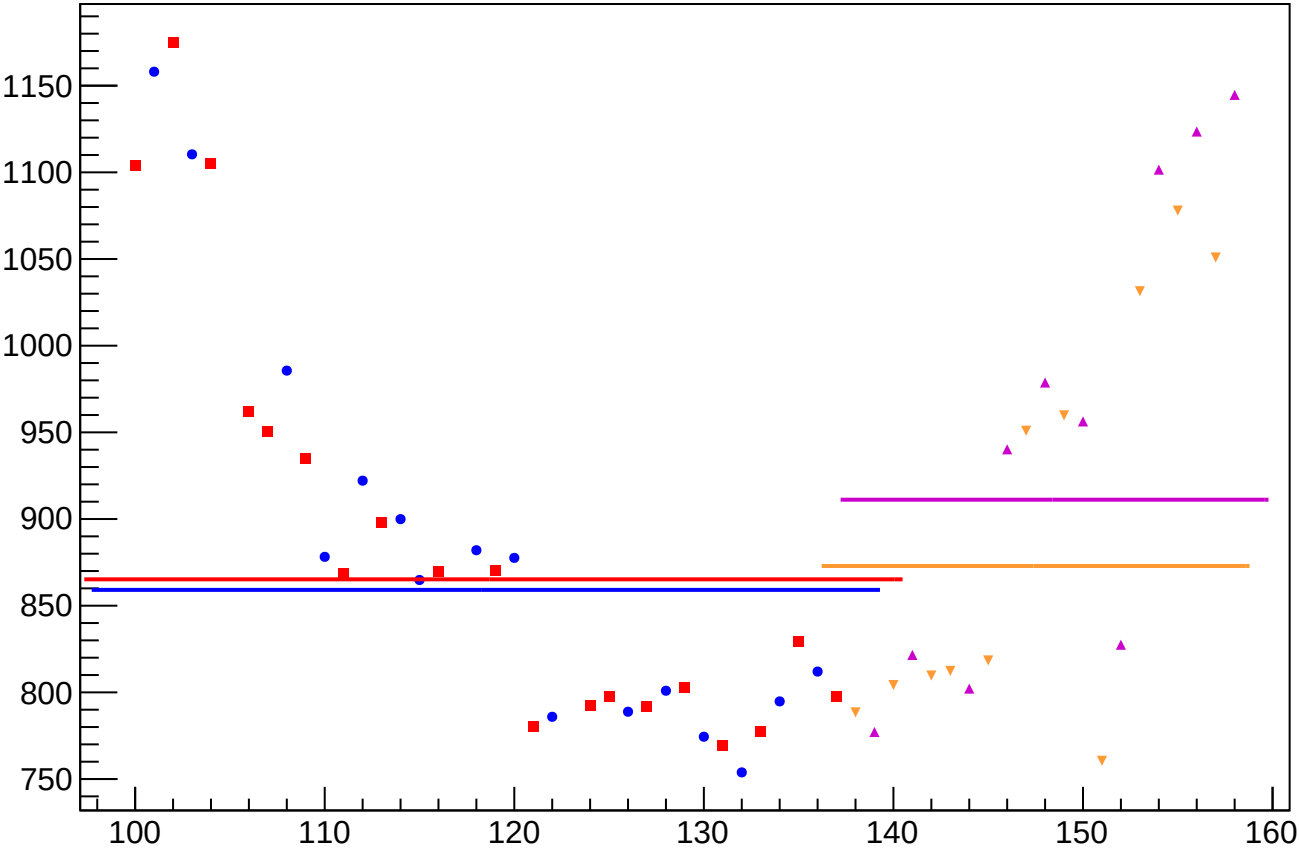
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 7.410+/-0.224 χ^2/NDF:44802.5/25

Out: 0.759+/-0.218 χ^2/NDF:11025.1/29

All: 3.990+/-0.156 χ^2/NDF: 56279.8/55

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 872.918+/-0.212 χ^2/NDF:256367.2/10

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 911.151+/-0.221 χ^2/NDF:316936.2/9

Left: 891.204+/-0.153 χ^2/NDF: 588887.5/20

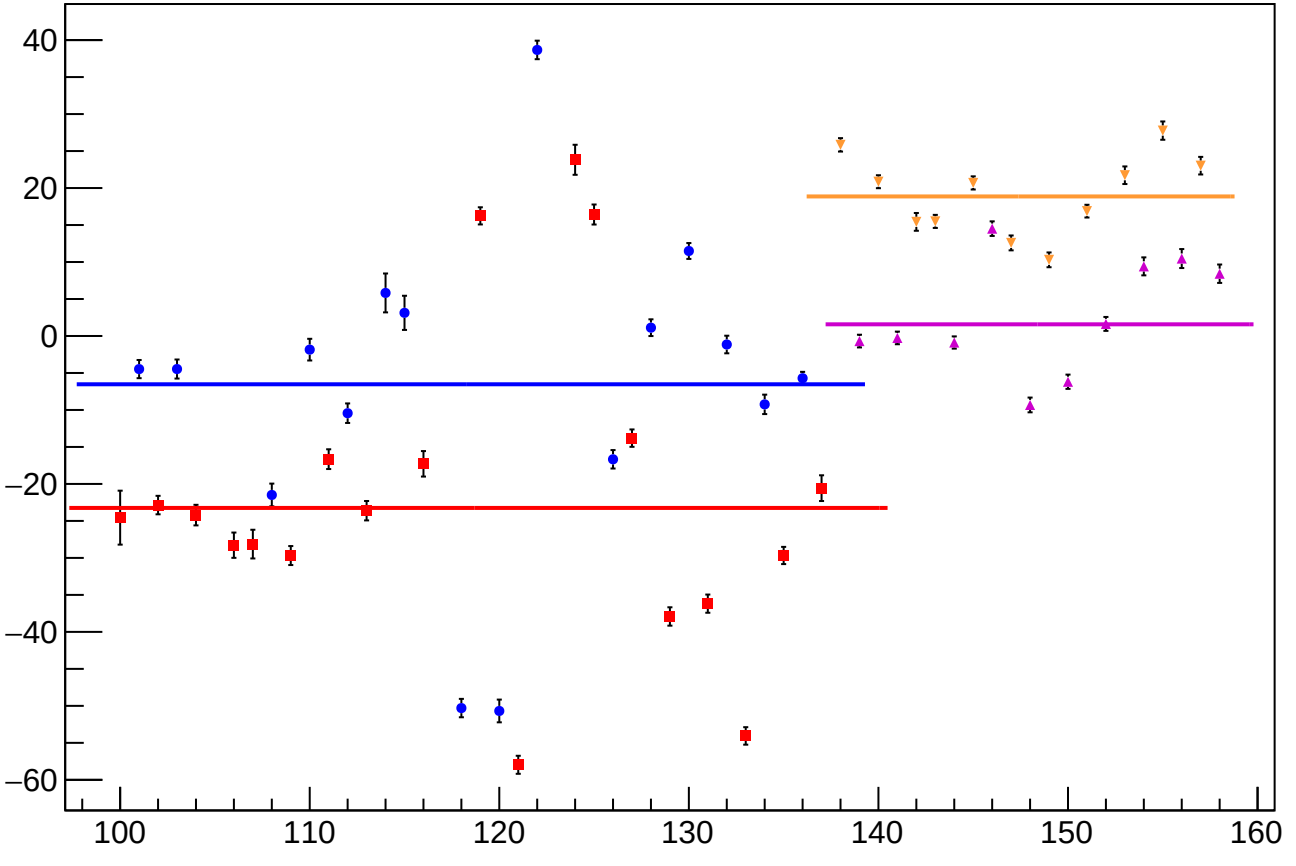
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 885.867+/-0.159 χ^2/NDF:572526.1/25

Out: 869.295+/-0.154 χ^2/NDF:480658.6/29

All: 877.346+/-0.111 χ^2/NDF: 1058798.9/55

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.864+/-0.299 χ^2/NDF:278.9/10

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 1.578+/-0.311 χ^2/NDF:496.3/9

Left: 10.544+/-0.216 χ^2/NDF: 2379.8/20

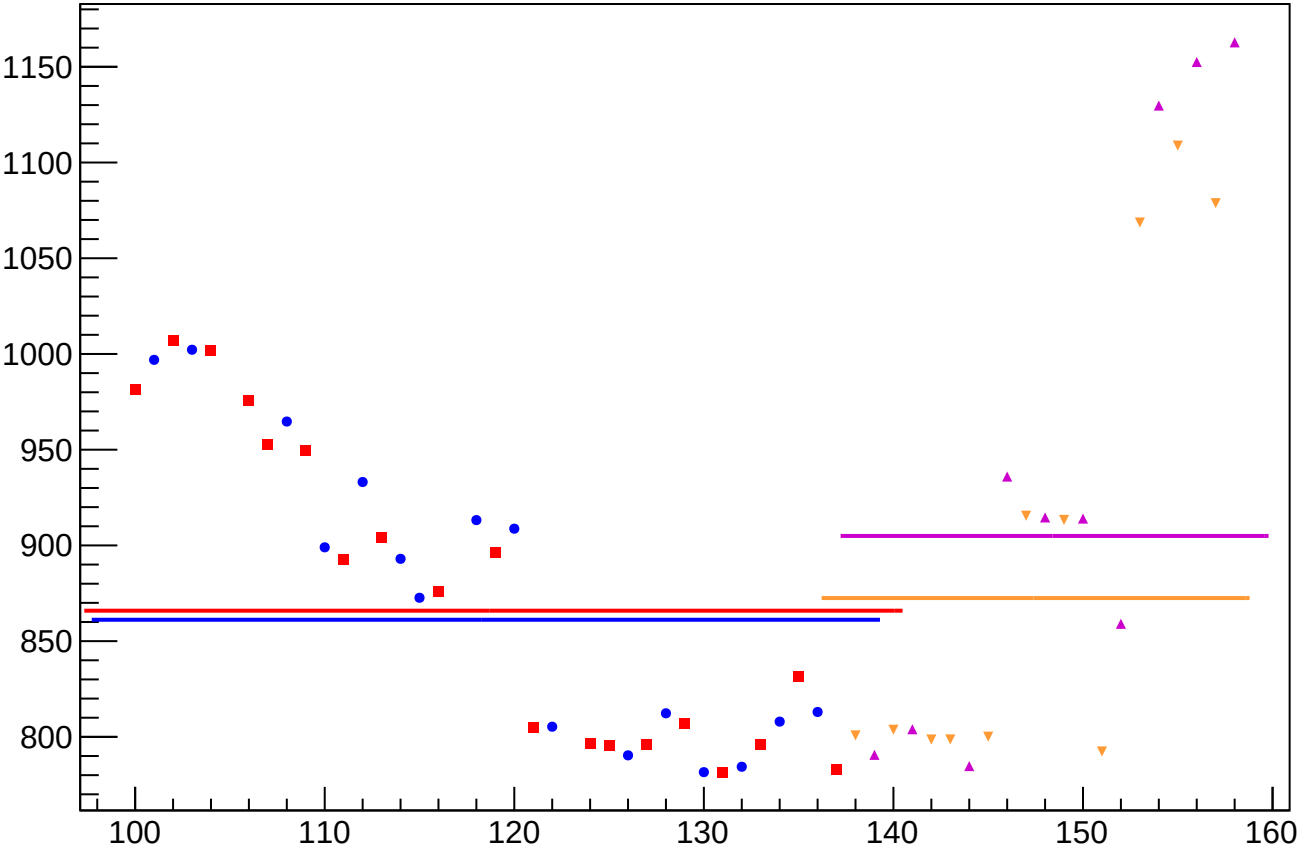
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -2.342+/-0.223 χ^2/NDF:4771.4/25

Out: -0.987+/-0.218 χ^2/NDF:14073.9/29

All: -1.647+/-0.156 χ^2/NDF: 18864.2/55

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 872.505+/-0.212 χ^2/NDF:271326.5/10

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 904.952+/-0.220 χ^2/NDF:341491.4/9

Left: 888.123+/-0.152 χ^2/NDF: 624124.1/20

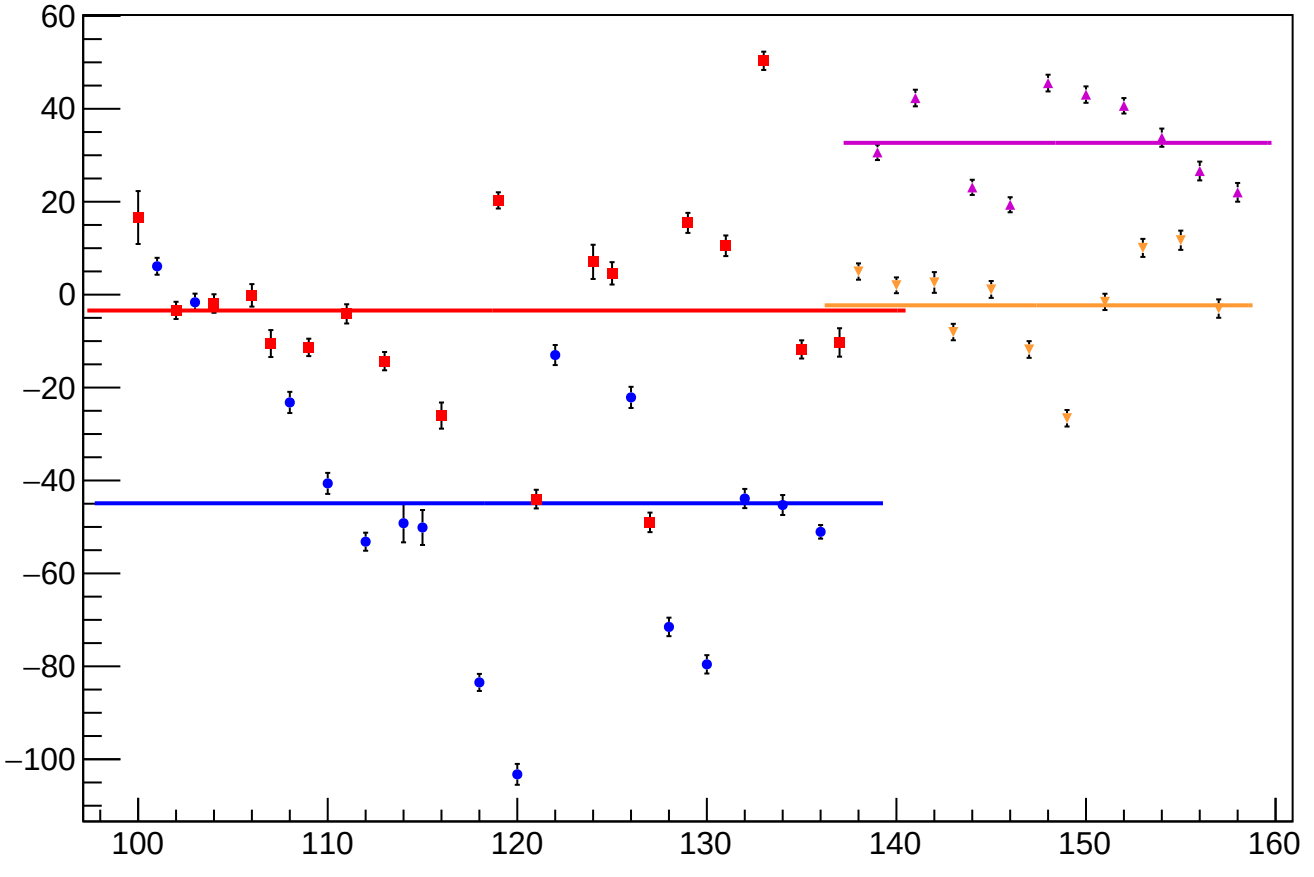
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 883.781+/-0.158 χ^2/NDF:474213.4/25

Out: 869.395+/-0.154 χ^2/NDF:390202.5/29

All: 876.402+/-0.110 χ^2/NDF: 868671.6/55

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.296+/-0.559 χ^2/NDF:344.3/10

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 32.674+/-0.562 χ^2/NDF:278.3/9

Left: 15.107+/-0.396 χ^2/NDF: 2570.5/20

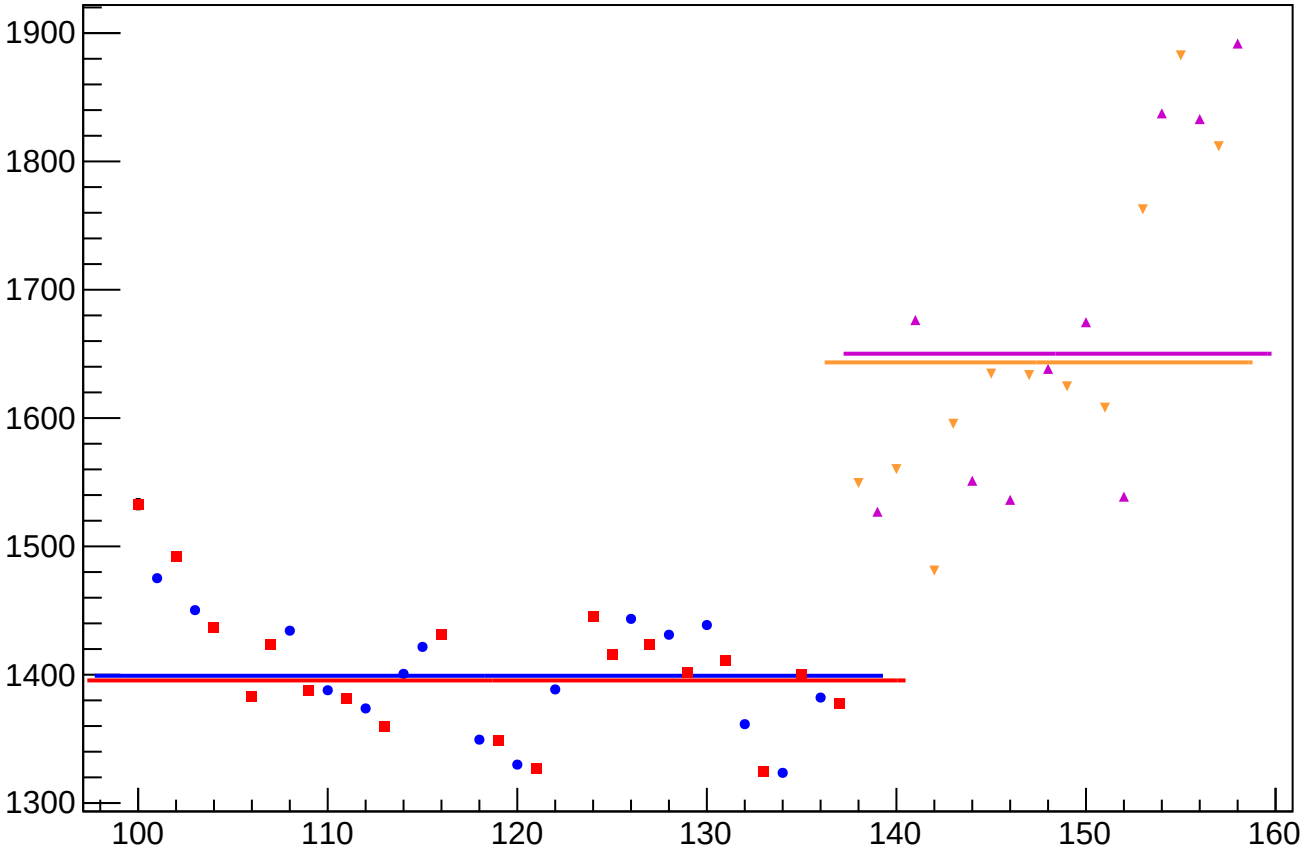
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -9.100+/-0.382 χ^2/NDF:13932.5/25

Out: -2.908+/-0.376 χ^2/NDF:2448.6/29

All: -5.962+/-0.268 χ^2/NDF: 16514.5/55

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1643.390+/-0.395 χ^2/NDF:72431.1/10

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1650.157+/-0.397 χ^2/NDF:101413.3/9

Left: 1646.758+/-0.280 χ^2/NDF: 173990.3/20

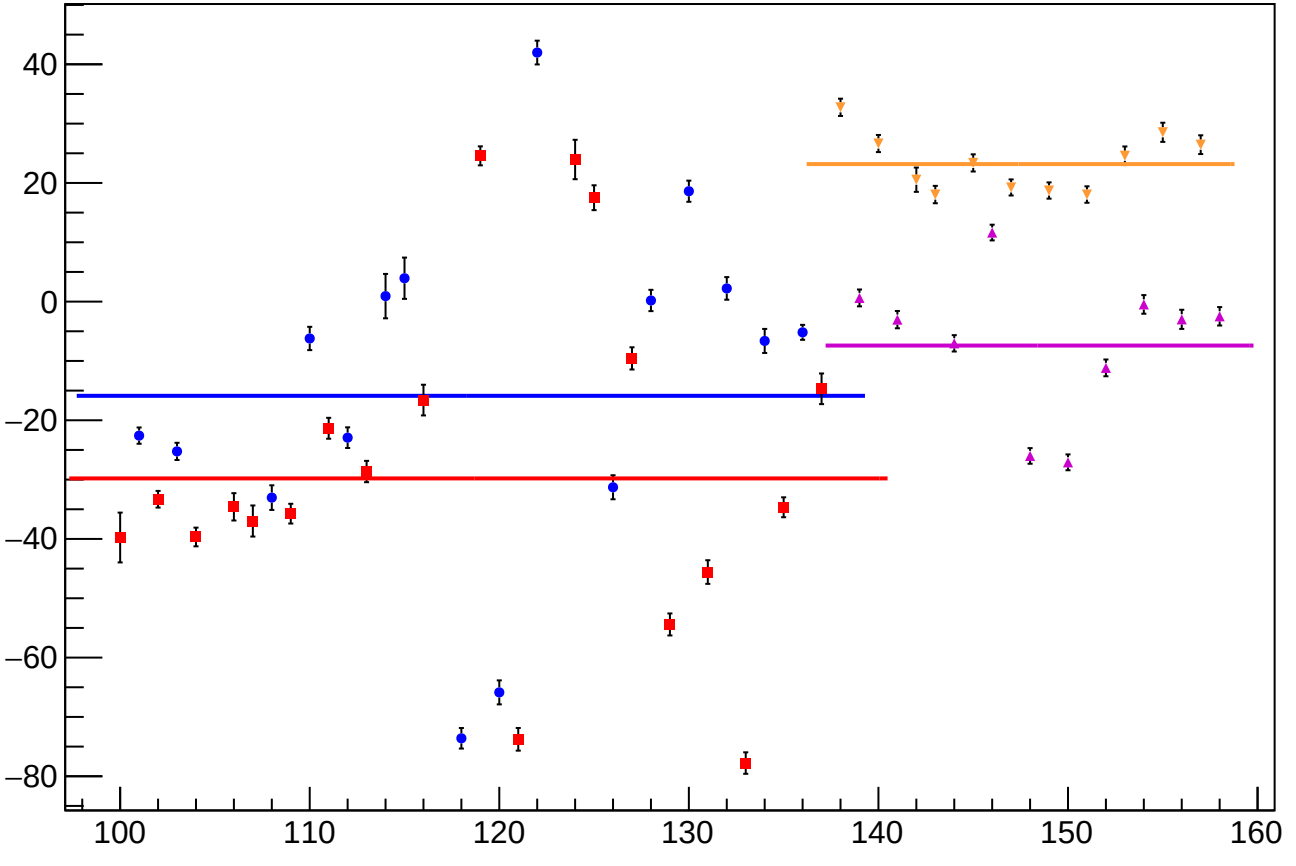
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1515.010+/-0.270 χ^2/NDF:331383.8/25

Out: 1507.941+/-0.266 χ^2/NDF:303580.6/29

All: 1511.428+/-0.189 χ^2/NDF: 635312.3/55

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.180+/-0.451 χ^2/NDF:111.8/10

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -7.406+/-0.452 χ^2/NDF:708.4/9

Left: 7.915+/-0.319 χ^2/NDF: 3118.9/20

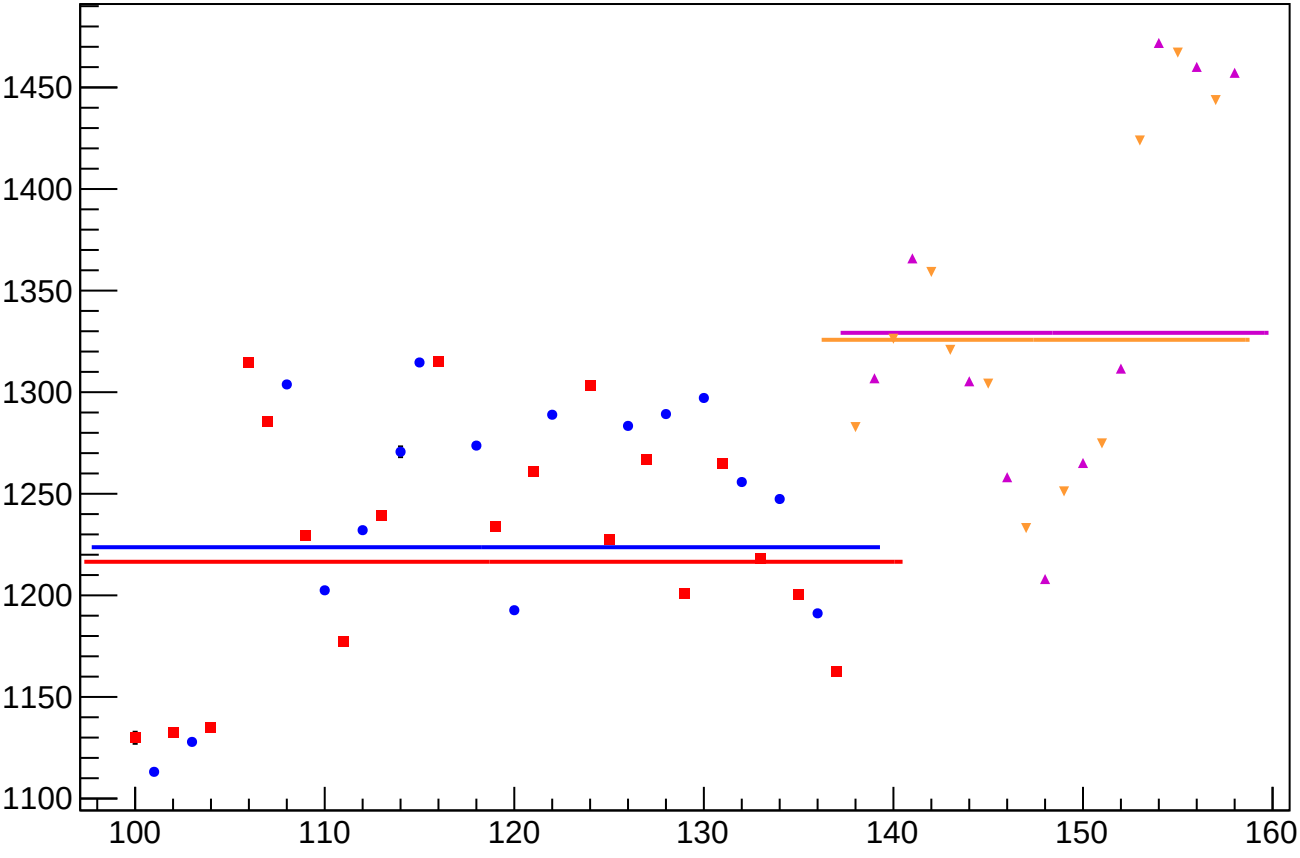
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -11.607+/-0.321 χ^2/NDF:4360.8/25

Out: -3.684+/-0.316 χ^2/NDF:10800.5/29

All: -7.594+/-0.225 χ^2/NDF: 15470.7/55

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1325.790+/-0.319 χ^2/NDF:55065.4/10

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1329.222+/-0.319 χ^2/NDF:73262.1/9

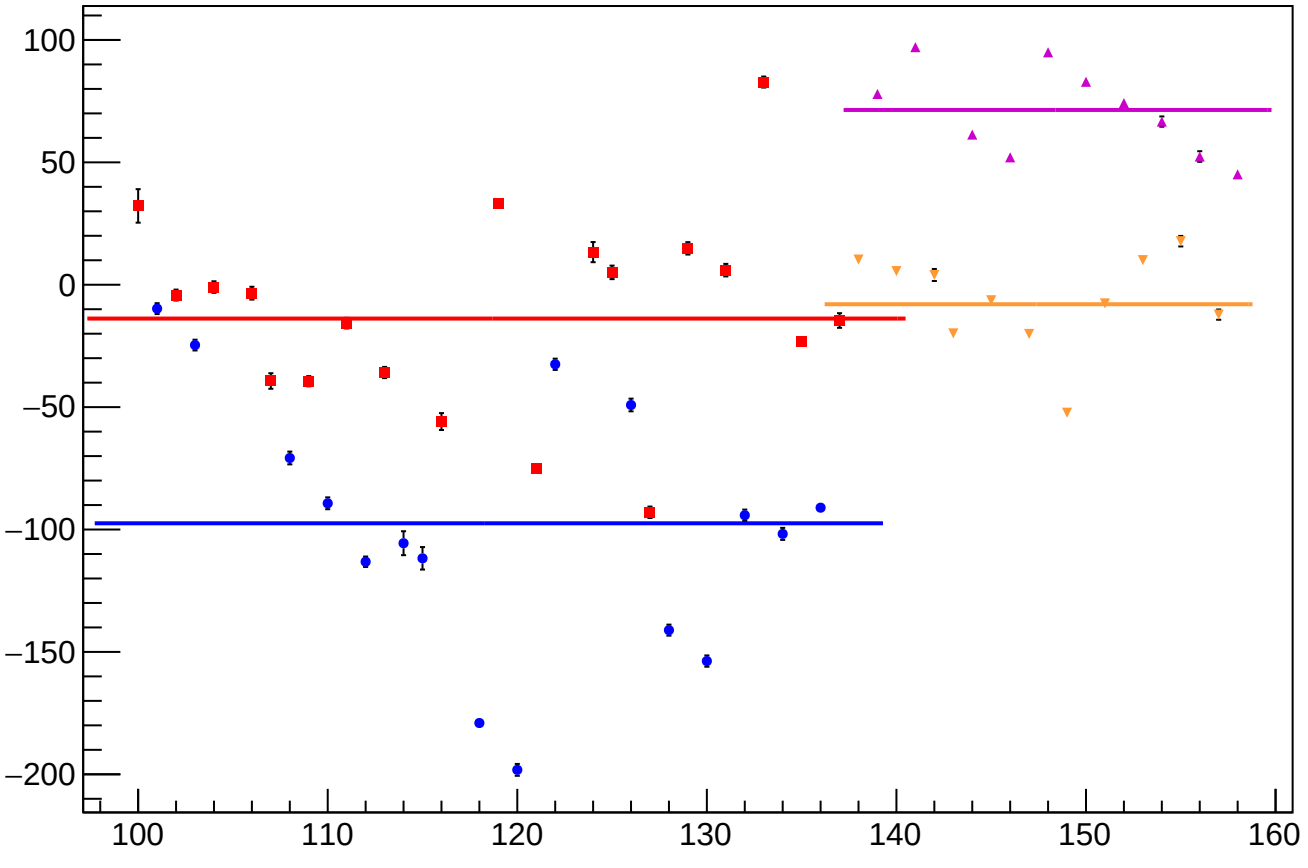
Left: 1327.503+/-0.226 χ^2/NDF: 128385.4/20

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1276.896+/-0.227 χ^2/NDF:168314.0/25

Out: 1270.390+/-0.224 χ^2/NDF:144047.3/29

All: 1273.600+/-0.159 χ^2/NDF: 312778.6/55



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.964+/-0.575 χ^2/NDF:1114.0/10

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 71.406+/-0.579 χ^2/NDF:858.8/9

Left: 31.398+/-0.408 χ^2/NDF: 11431.6/20

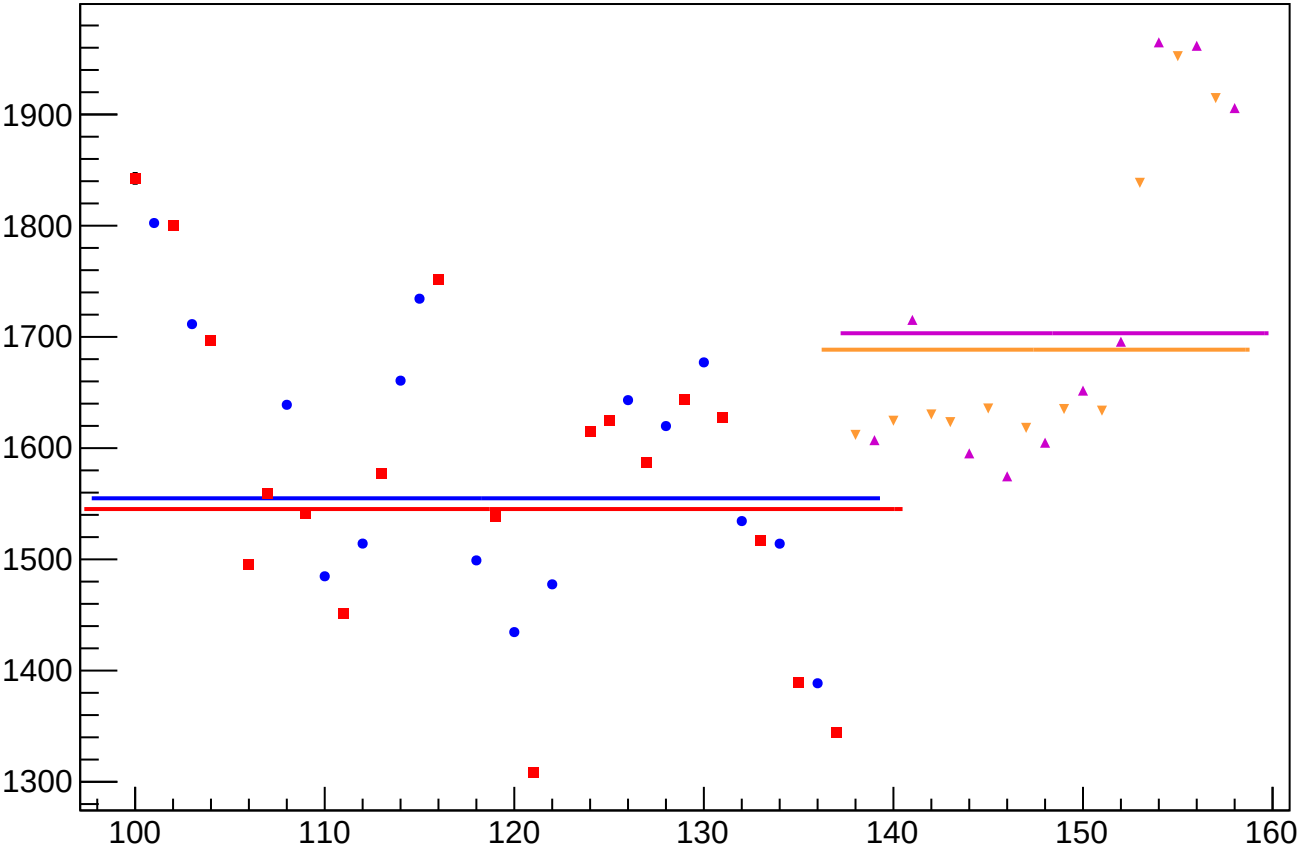
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -13.022+/-0.410 χ^2/NDF:51626.1/25

Out: -10.936+/-0.403 χ^2/NDF:6518.9/29

All: -11.963+/-0.287 χ^2/NDF: 58158.1/55

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1688.519+/-0.406 χ^2/NDF:82823.6/10

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1703.292+/-0.410 χ^2/NDF:114014.2/9

Left: 1695.845+/-0.289 χ^2/NDF: 197493.3/20

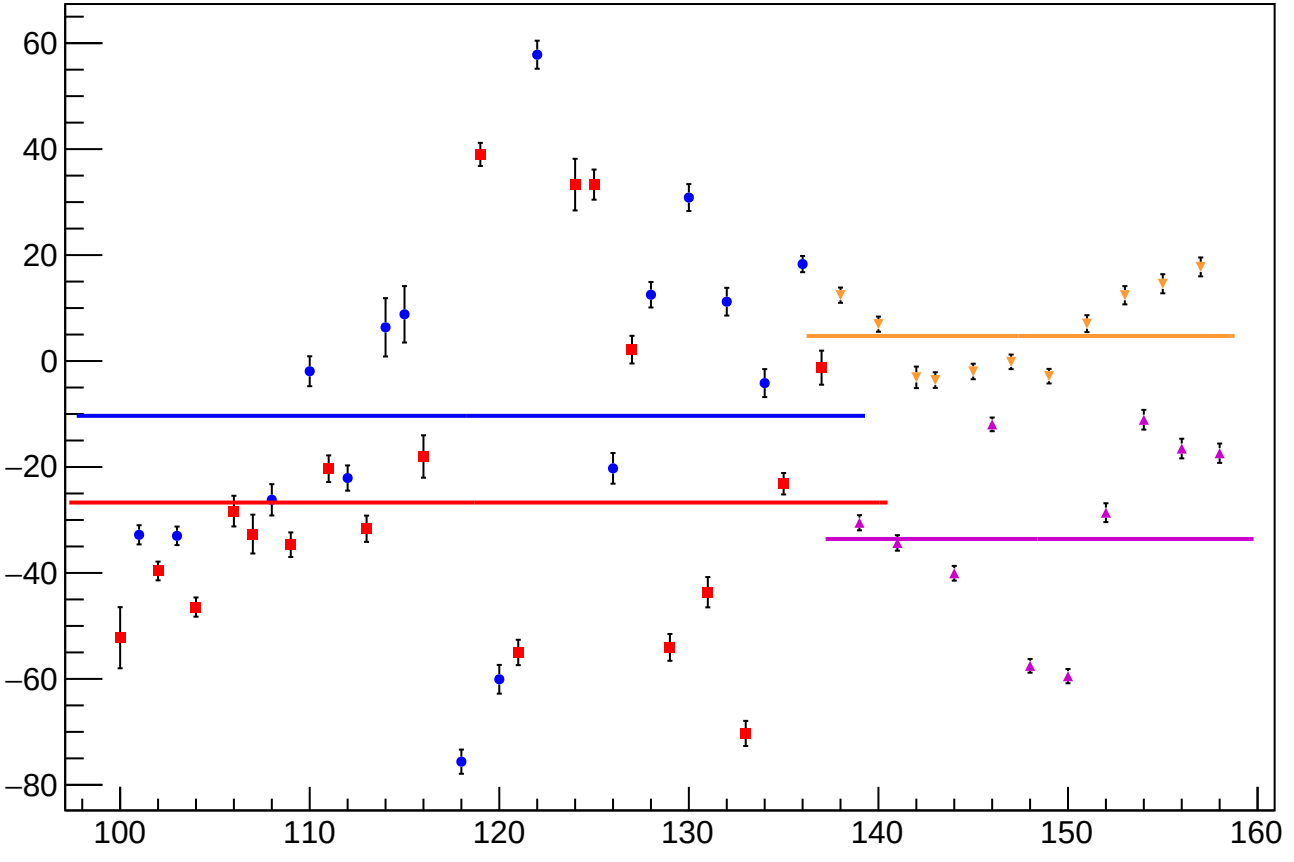
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1629.102+/-0.290 χ^2/NDF:267517.7/25

Out: 1615.743+/-0.285 χ^2/NDF:254753.3/29

All: 1622.315+/-0.203 χ^2/NDF: 523351.3/55

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 4.731+/-0.469 χ^2/NDF:246.9/10

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -33.586+/-0.476 χ^2/NDF:1336.2/9

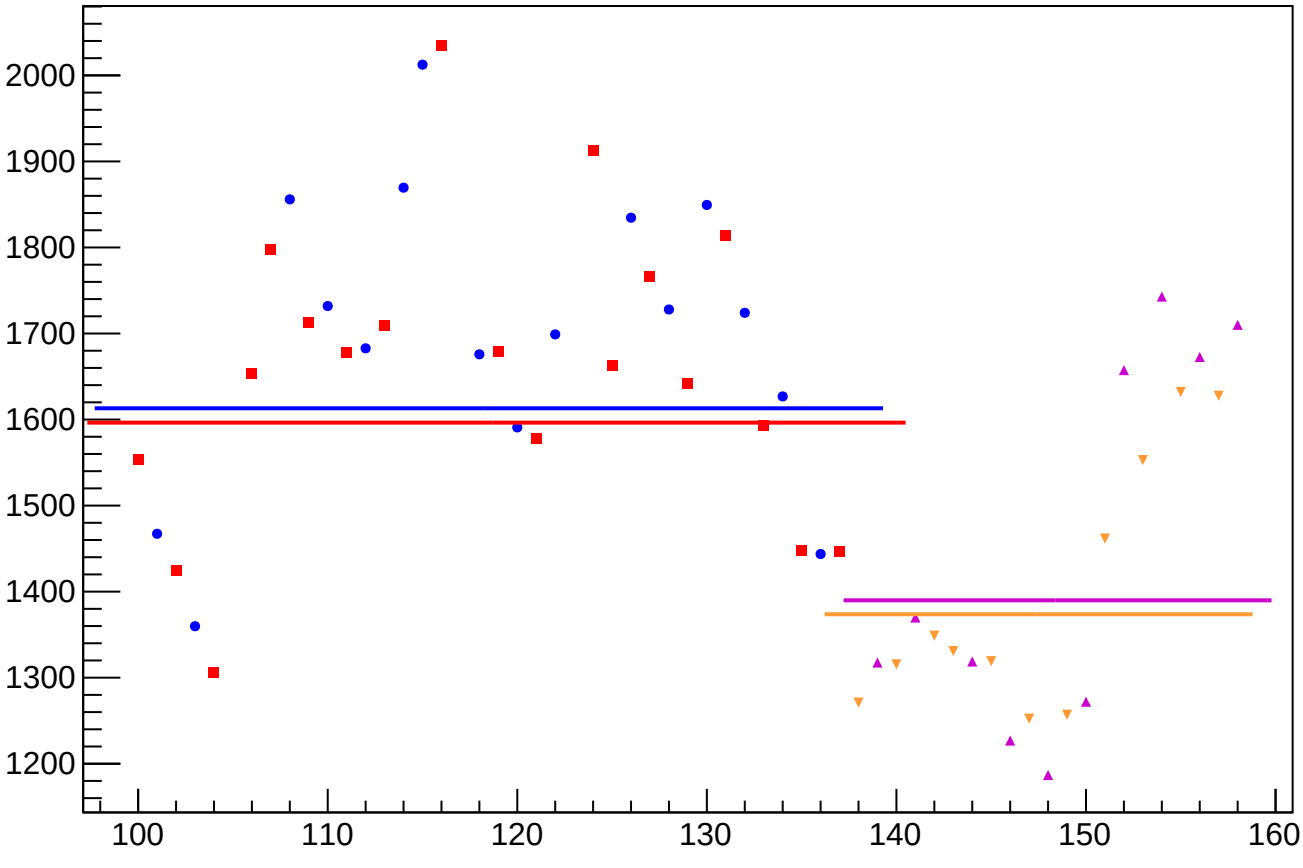
Left: -14.144+/-0.334 χ^2/NDF: 4870.2/20

Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -24.665+/-0.374 χ^2/NDF:5258.1/25

Out: -7.538+/-0.366 χ^2/NDF:4540.7/29

All: -15.930+/-0.262 χ^2/NDF: 10870.2/55



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1373.727+/-0.332 χ^2/NDF:157614.6/10

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1389.894+/-0.337 χ^2/NDF:332036.0/9

Left: 1381.691+/-0.236 χ^2/NDF: 490821.1/20

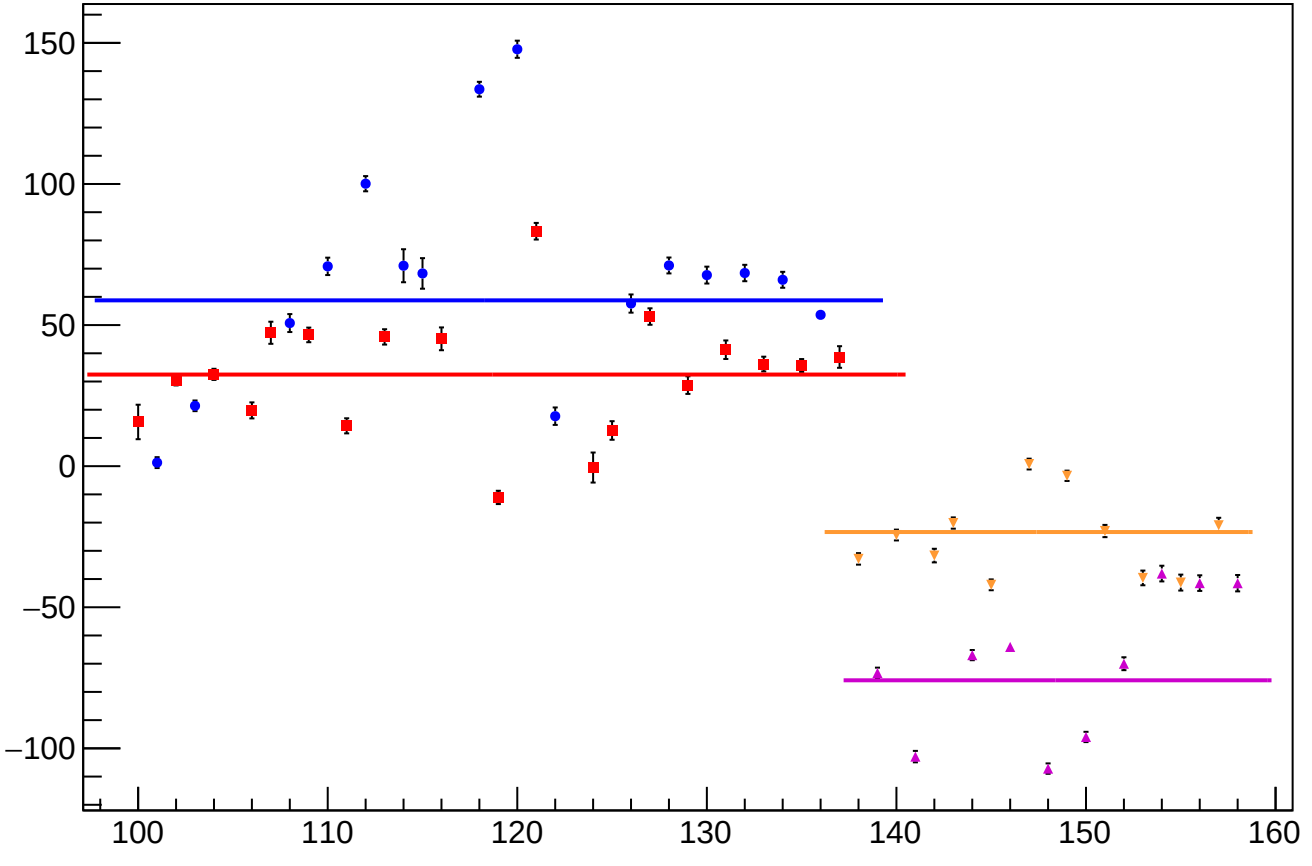
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1475.571+/-0.264 χ^2/NDF:655506.5/25

Out: 1460.634+/-0.259 χ^2/NDF:494276.1/29

All: 1467.953+/-0.185 χ^2/NDF: 1151412.5/55

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -23.337+/-0.645 χ^2/NDF:488.2/10

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -75.884+/-0.657 χ^2/NDF:1145.2/9

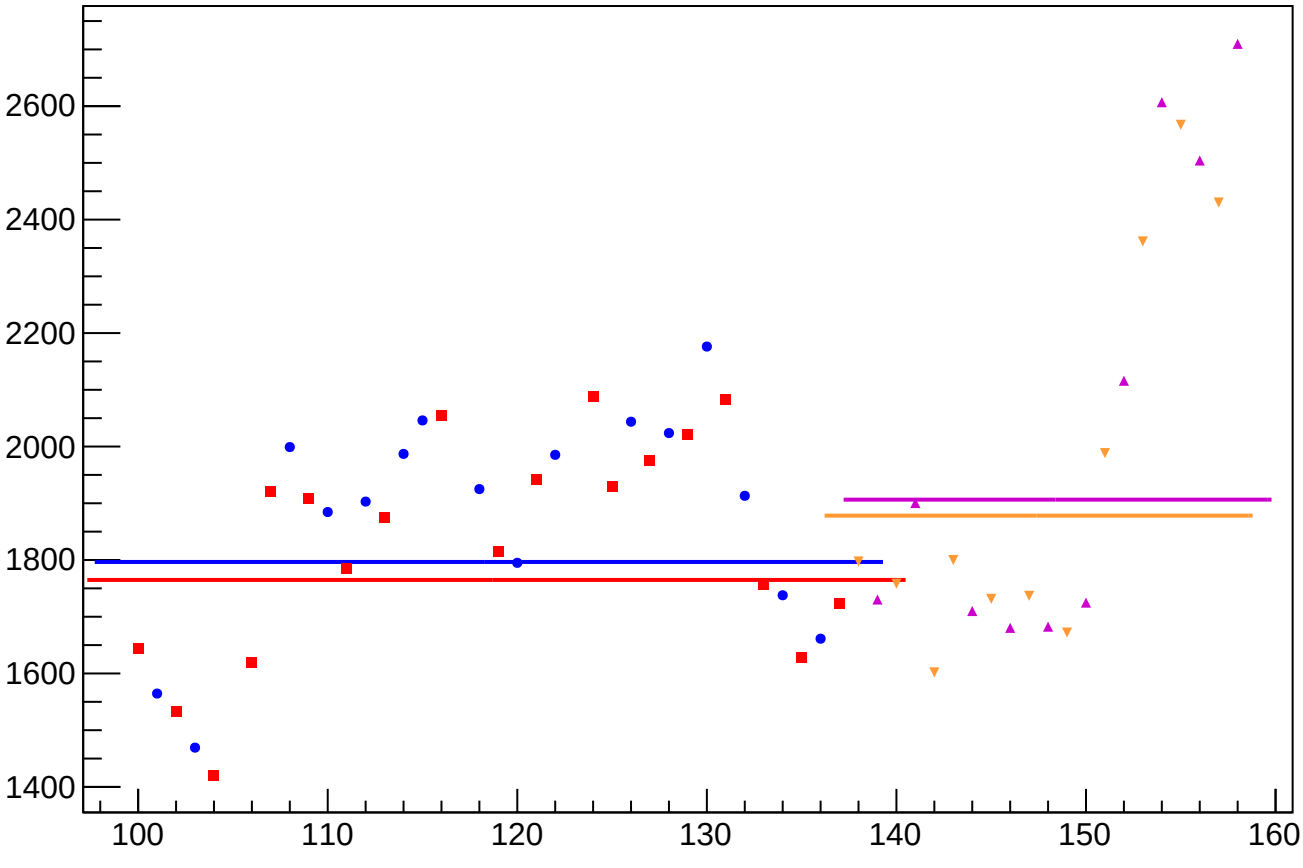
Left: -49.128+/-0.460 χ^2/NDF: 4889.2/20

Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -10.111+/-0.470 χ^2/NDF:25096.2/25

Out: 4.424+/-0.457 χ^2/NDF:5140.7/29

All: -2.646+/-0.328 χ^2/NDF: 30728.1/55



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1878.223+/-0.456 χ^2/NDF:367049.8/10

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1906.399+/-0.465 χ^2/NDF:513205.7/9

Left: 1892.052+/-0.326 χ^2/NDF: 882127.5/20

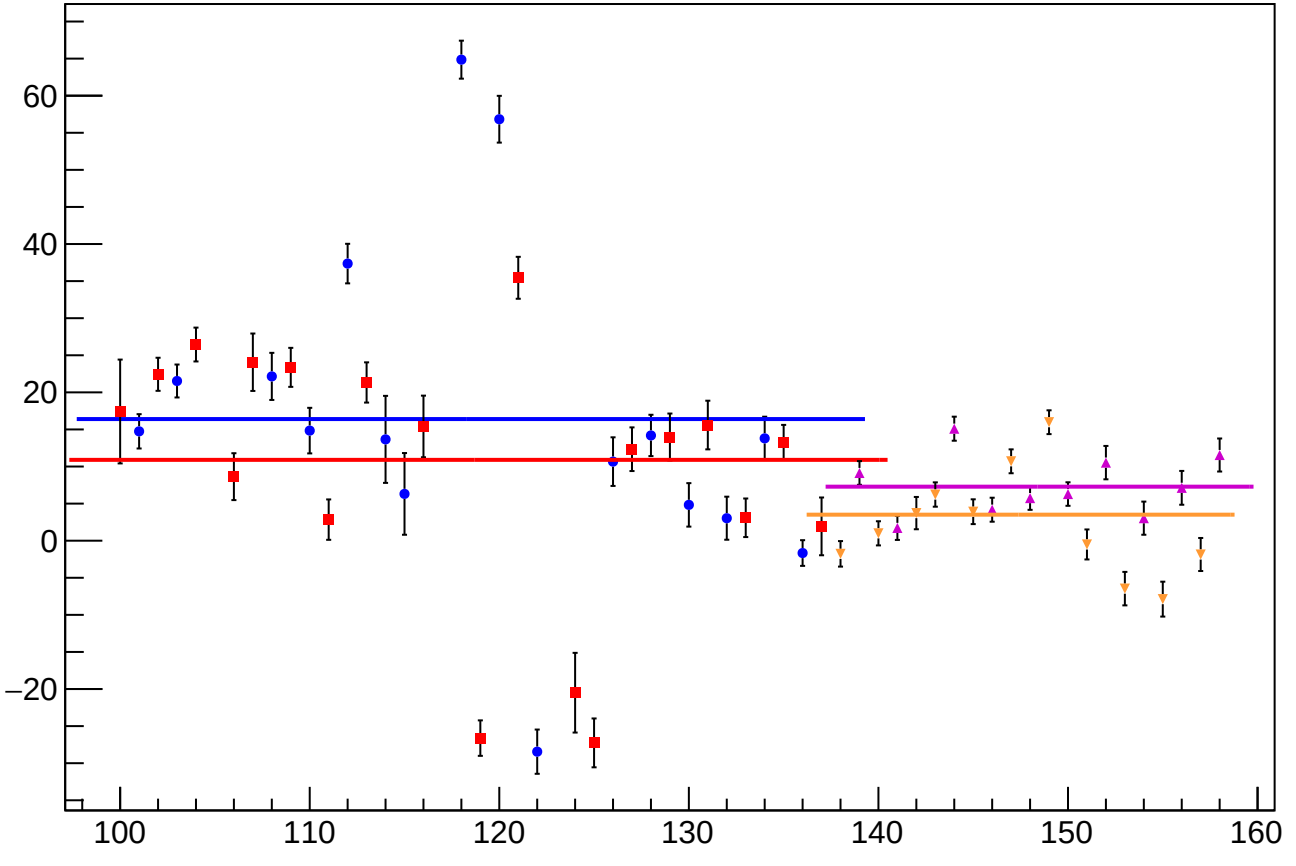
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1852.741+/-0.332 χ^2/NDF:733674.5/25

Out: 1821.827+/-0.323 χ^2/NDF:587755.0/29

All: 1836.863+/-0.232 χ^2/NDF: 1325873.9/55

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.508+/-0.554 χ^2/NDF:147.6/10

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.285+/-0.566 χ^2/NDF:50.8/9

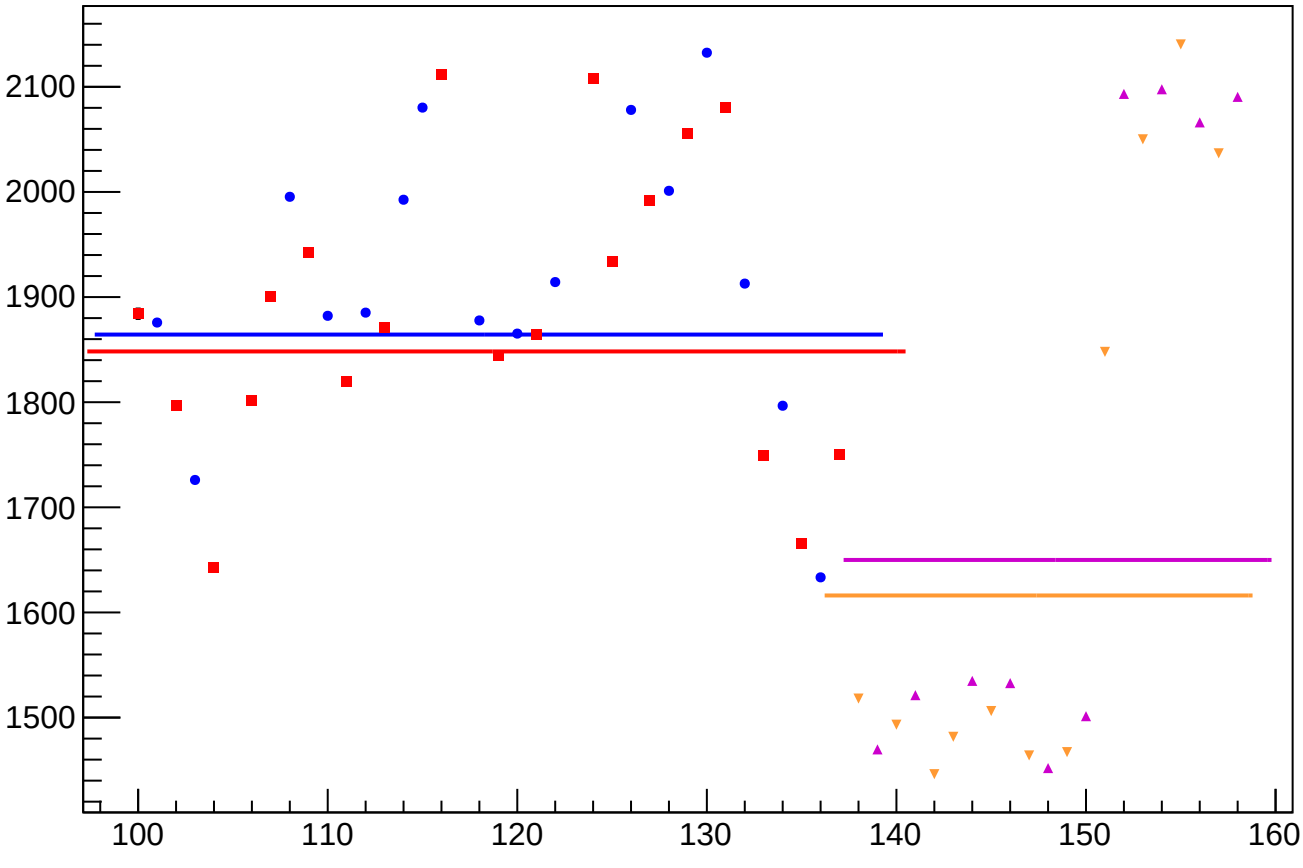
Left: 5.359+/-0.396 χ^2/NDF: 221.1/20

Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 10.918+/-0.439 χ^2/NDF:1127.2/25

Out: 6.480+/-0.429 χ^2/NDF:860.7/29

All: 8.648+/-0.307 χ^2/NDF: 2040.3/55



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1616.151+/-0.392 χ^2/NDF:357978.7/10

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1649.943+/-0.400 χ^2/NDF:410250.7/9

Left: 1632.706+/-0.280 χ^2/NDF: 771868.4/20

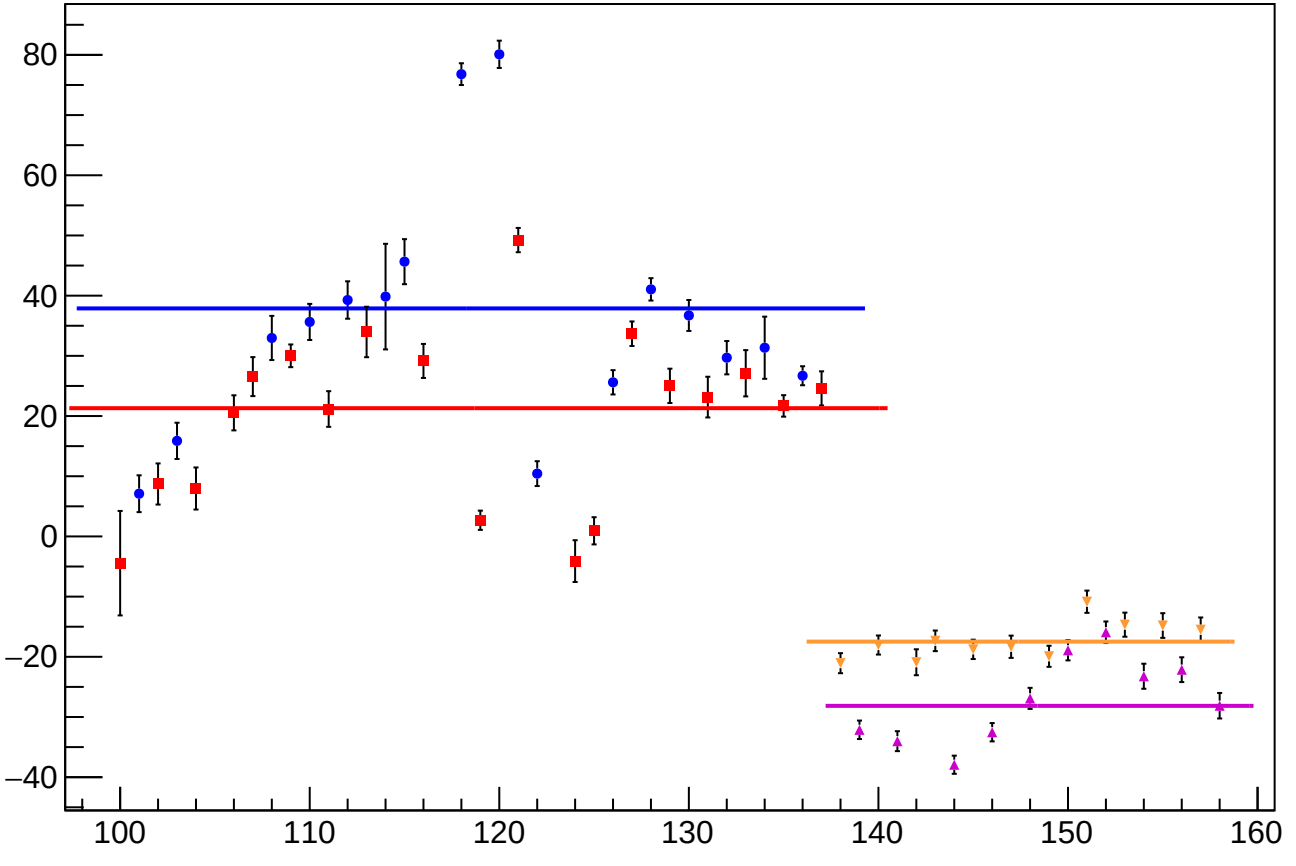
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1735.402+/-0.310 χ^2/NDF:608026.0/25

Out: 1709.475+/-0.303 χ^2/NDF:573851.9/29

All: 1722.140+/-0.217 χ^2/NDF: 1185449.8/55

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.476+/-0.547 χ^2/NDF:27.5/10

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -28.147+/-0.547 χ^2/NDF:160.9/9

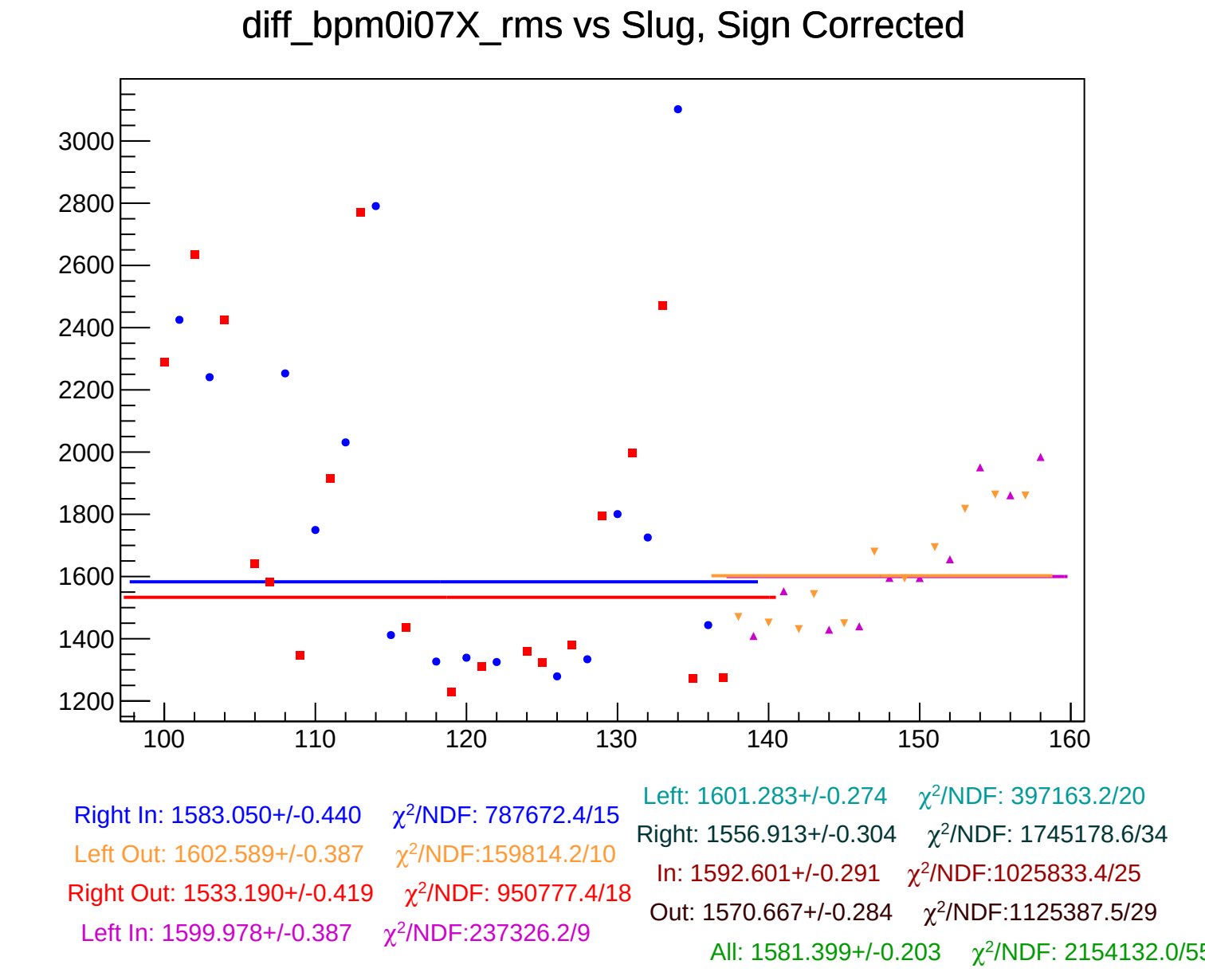
Left: -22.814+/-0.387 χ^2/NDF: 378.7/20

Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

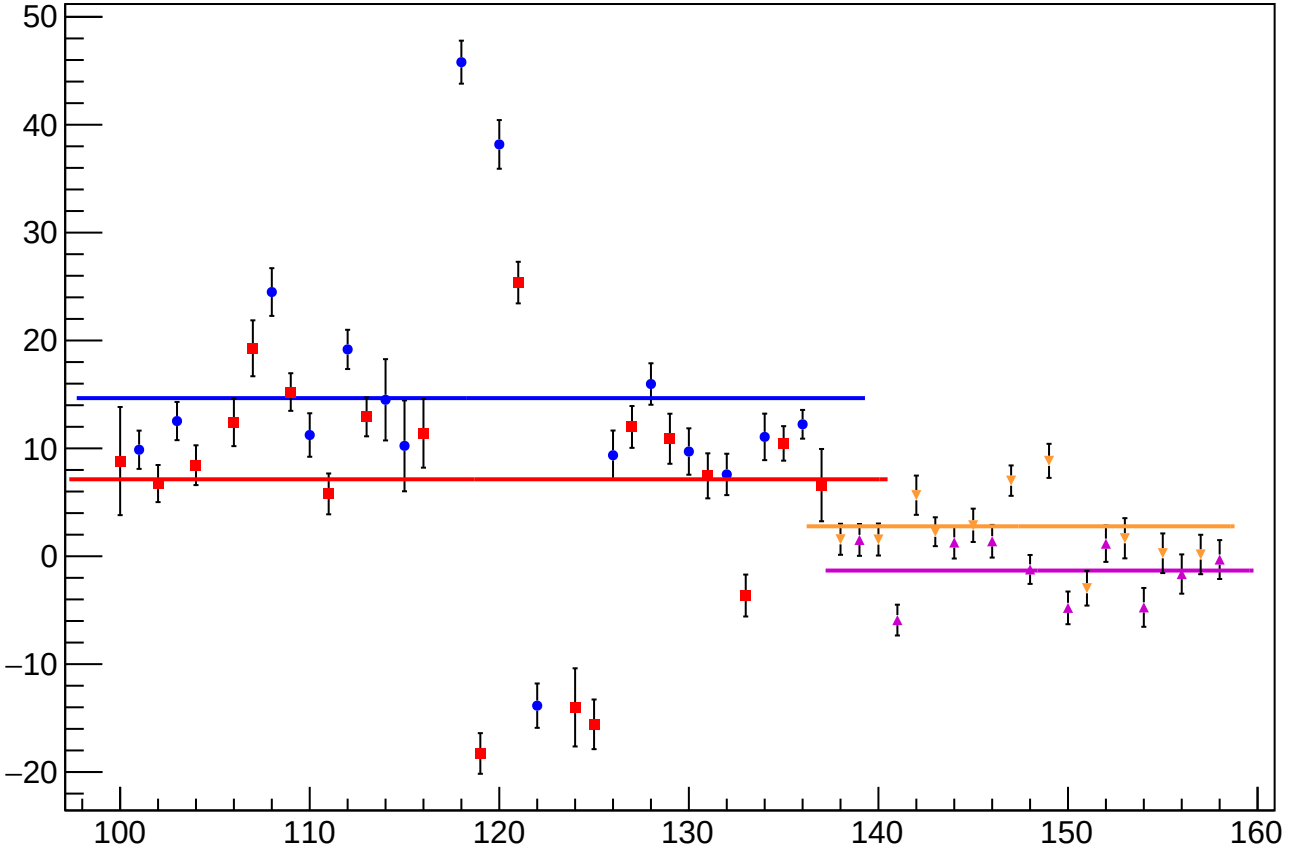
In: 0.628+/-0.411 χ^2/NDF:7760.9/25

Out: 0.363+/-0.402 χ^2/NDF:2920.3/29

All: 0.493+/-0.287 χ^2/NDF: 10681.4/55


diff_bpm0i07X_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
Right In: 1583.050+/-0.440 χ²/NDF: 787672.4/15
Left Out: 1602.589+/-0.387 χ²/NDF:159814.2/10
Right Out: 1533.190+/-0.419 χ²/NDF: 950777.4/18
Left In: 1599.978+/-0.387 χ²/NDF:237326.2/9
Left: 1601.283+/-0.274 χ²/NDF: 397163.2/20
Right: 1556.913+/-0.304 χ²/NDF: 1745178.6/34
In: 1592.601+/-0.291 χ²/NDF:1025833.4/25
Out: 1570.667+/-0.284 χ²/NDF:1125387.5/29
All: 1581.399+/-0.203 χ²/NDF: 2154132.0/55

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.777+/-0.477 χ^2/NDF:44.8/10

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.324+/-0.494 χ^2/NDF:31.7/9

Left: 0.797+/-0.343 χ^2/NDF: 112.2/20

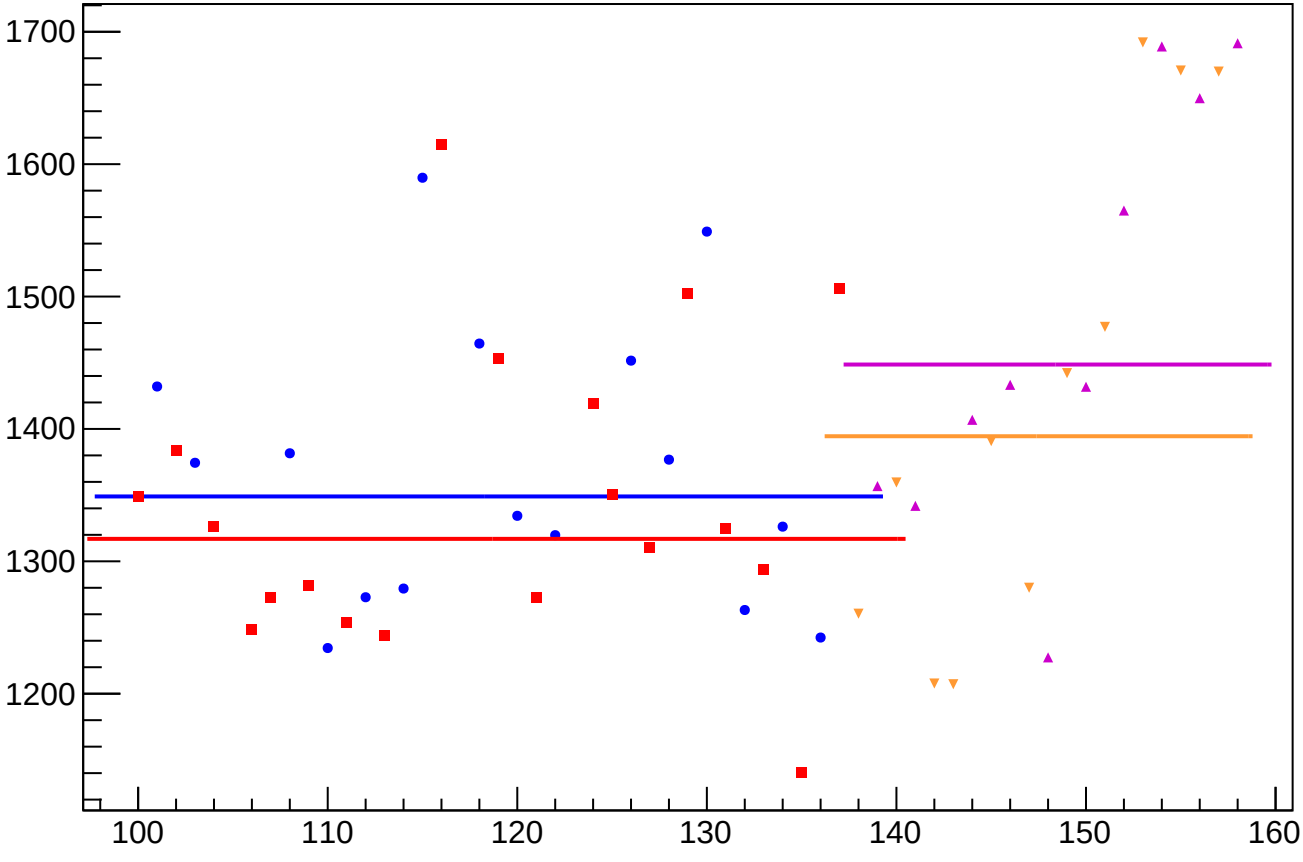
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 6.496+/-0.353 χ^2/NDF:1159.0/25

Out: 4.928+/-0.339 χ^2/NDF:595.4/29

All: 5.682+/-0.245 χ^2/NDF: 1764.6/55

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1394.483+/-0.337 χ^2/NDF:240709.7/10

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1448.644+/-0.349 χ^2/NDF:181232.6/9

Left: 1420.630+/-0.243 χ^2/NDF: 434385.1/20

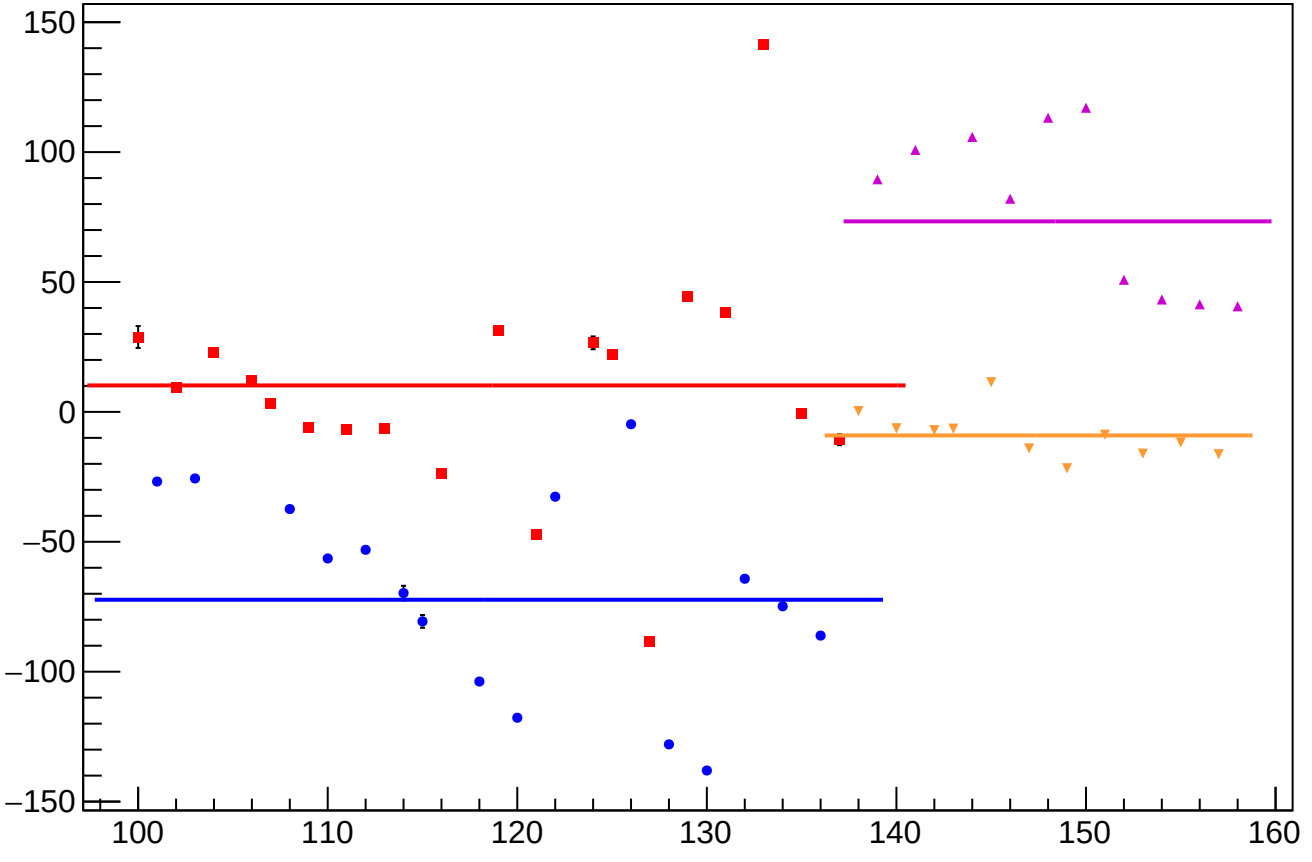
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1399.885+/-0.250 χ^2/NDF:289459.5/25

Out: 1356.213+/-0.240 χ^2/NDF:353651.1/29

All: 1377.203+/-0.173 χ^2/NDF: 659018.1/55

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -9.066+/-0.299 χ^2/NDF:767.7/10

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 73.337+/-0.305 χ^2/NDF:9279.9/9

Left: 31.294+/-0.213 χ^2/NDF: 47364.6/20

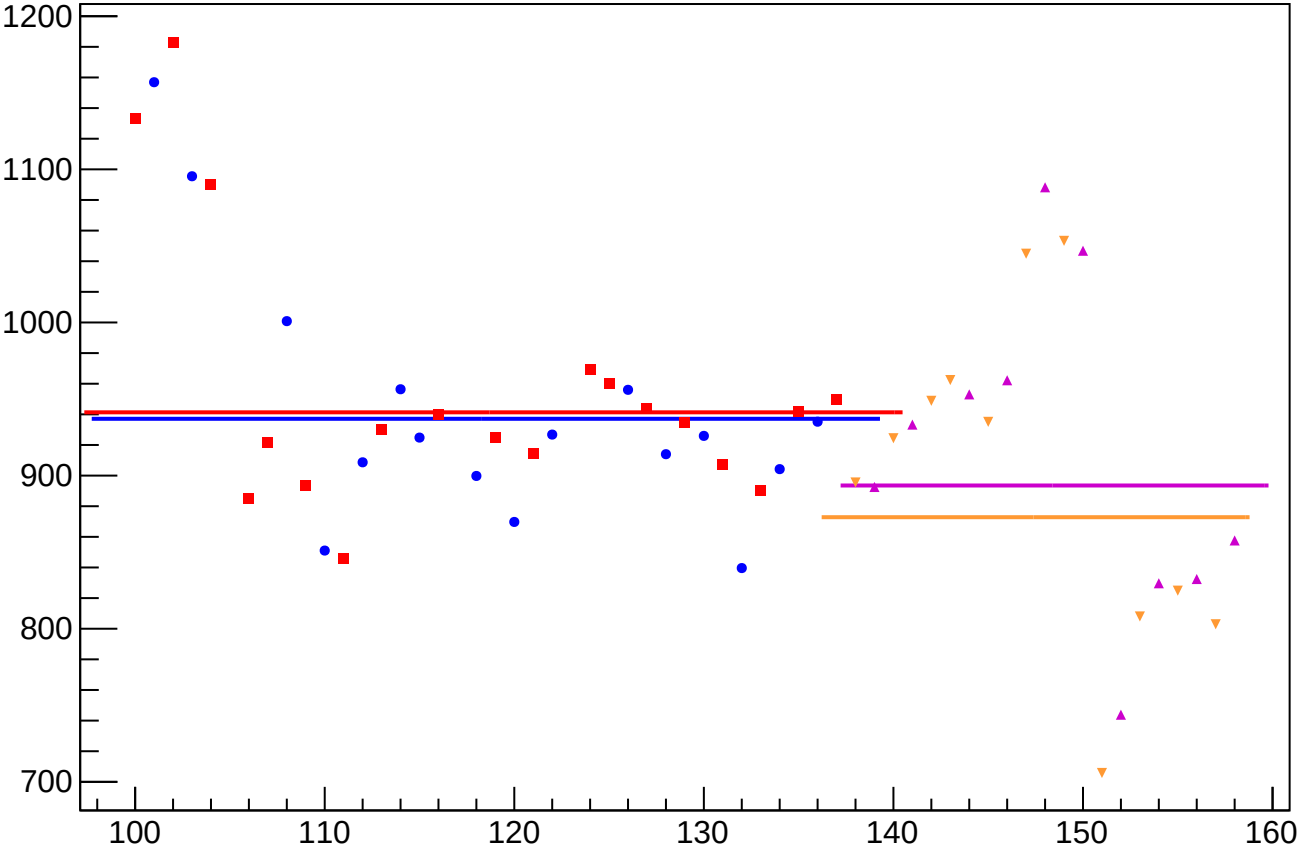
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 10.436+/-0.230 χ^2/NDF:120110.6/25

Out: -0.809+/-0.226 χ^2/NDF:21597.4/29

All: 4.714+/-0.161 χ^2/NDF: 142928.0/55

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 872.831+/-0.211 χ^2/NDF:250527.9/10

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 893.540+/-0.215 χ^2/NDF:203542.7/9

Left: 882.974+/-0.151 χ^2/NDF: 458784.6/20

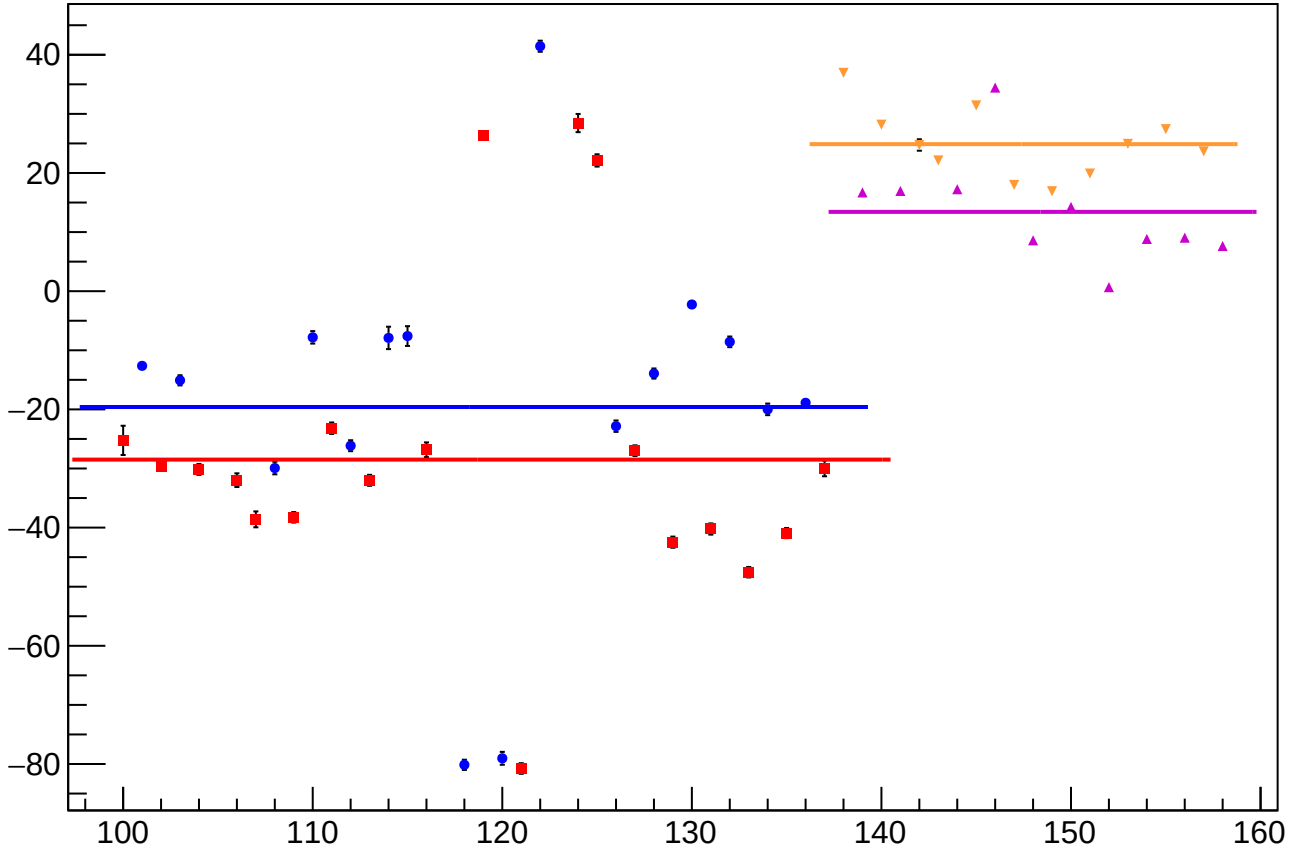
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 912.352+/-0.162 χ^2/NDF:325855.1/25

Out: 902.202+/-0.160 χ^2/NDF:396703.9/29

All: 907.187+/-0.114 χ^2/NDF: 724547.0/55

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.880+/-0.222 χ^2/NDF:674.5/10

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 13.421+/-0.229 χ^2/NDF:1486.1/9

Left: 19.328+/-0.160 χ^2/NDF: 3448.8/20

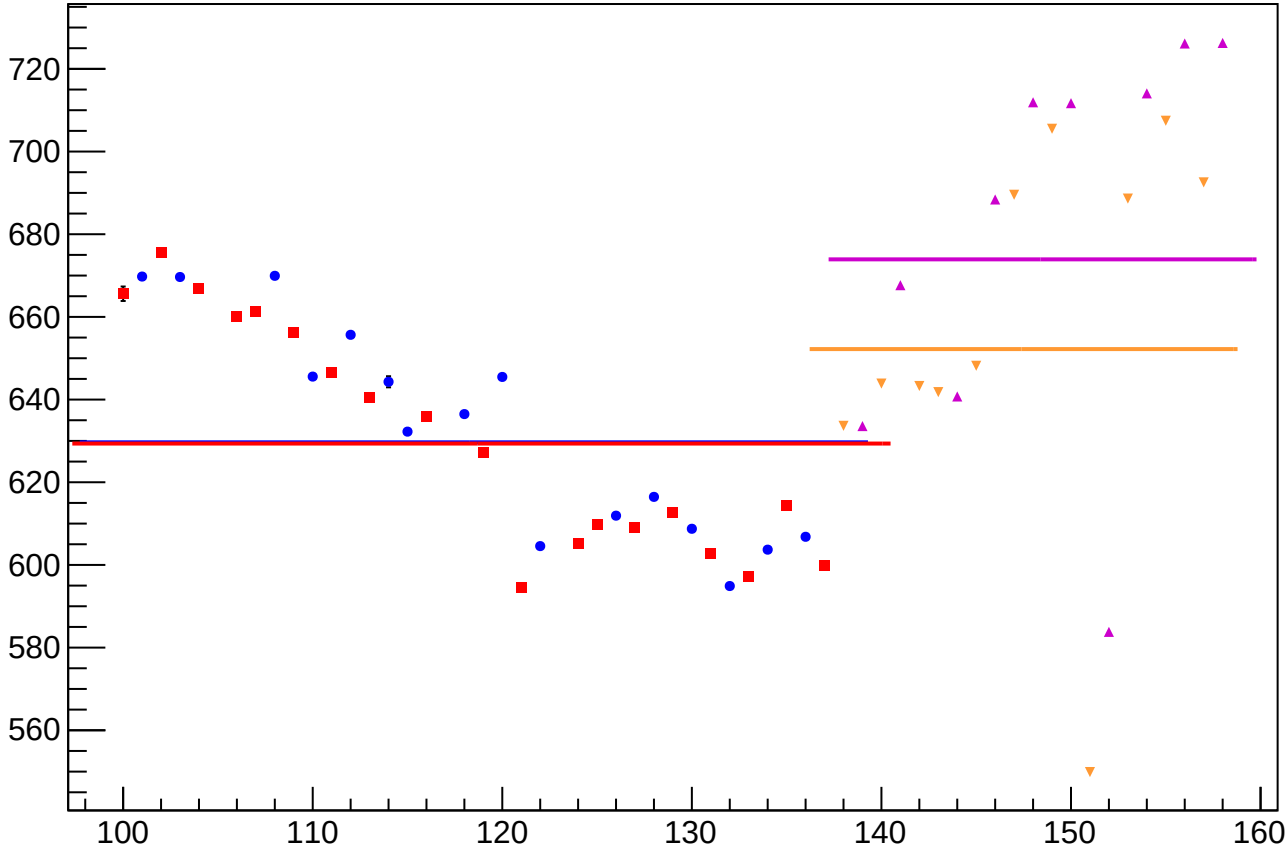
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -2.744+/-0.164 χ^2/NDF:24813.7/25

Out: -0.927+/-0.160 χ^2/NDF:41541.4/29

All: -1.812+/-0.114 χ^2/NDF: 66418.2/55

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 652.214+/-0.157 χ^2/NDF:95316.8/10

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 673.919+/-0.162 χ^2/NDF:85961.2/9

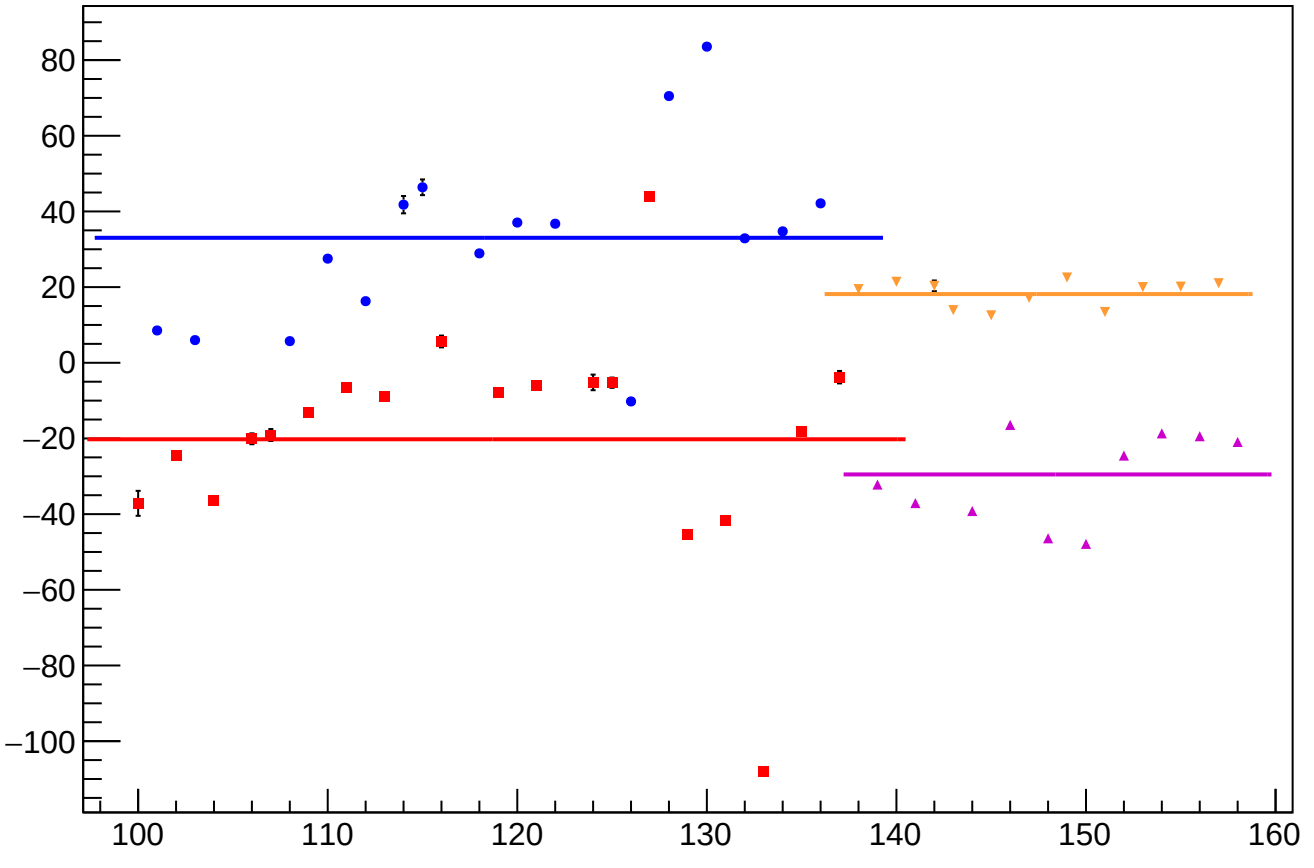
Left: 662.730+/-0.113 χ^2/NDF: 190522.3/20

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 652.251+/-0.116 χ^2/NDF:147780.0/25

Out: 641.165+/-0.113 χ^2/NDF:132335.6/29

All: 646.569+/-0.081 χ^2/NDF: 284813.2/55



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.162+/-0.323 χ^2/NDF:112.7/10

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -29.506+/-0.326 χ^2/NDF:1106.0/9

Left: -5.434+/-0.230 χ^2/NDF: 12002.7/20

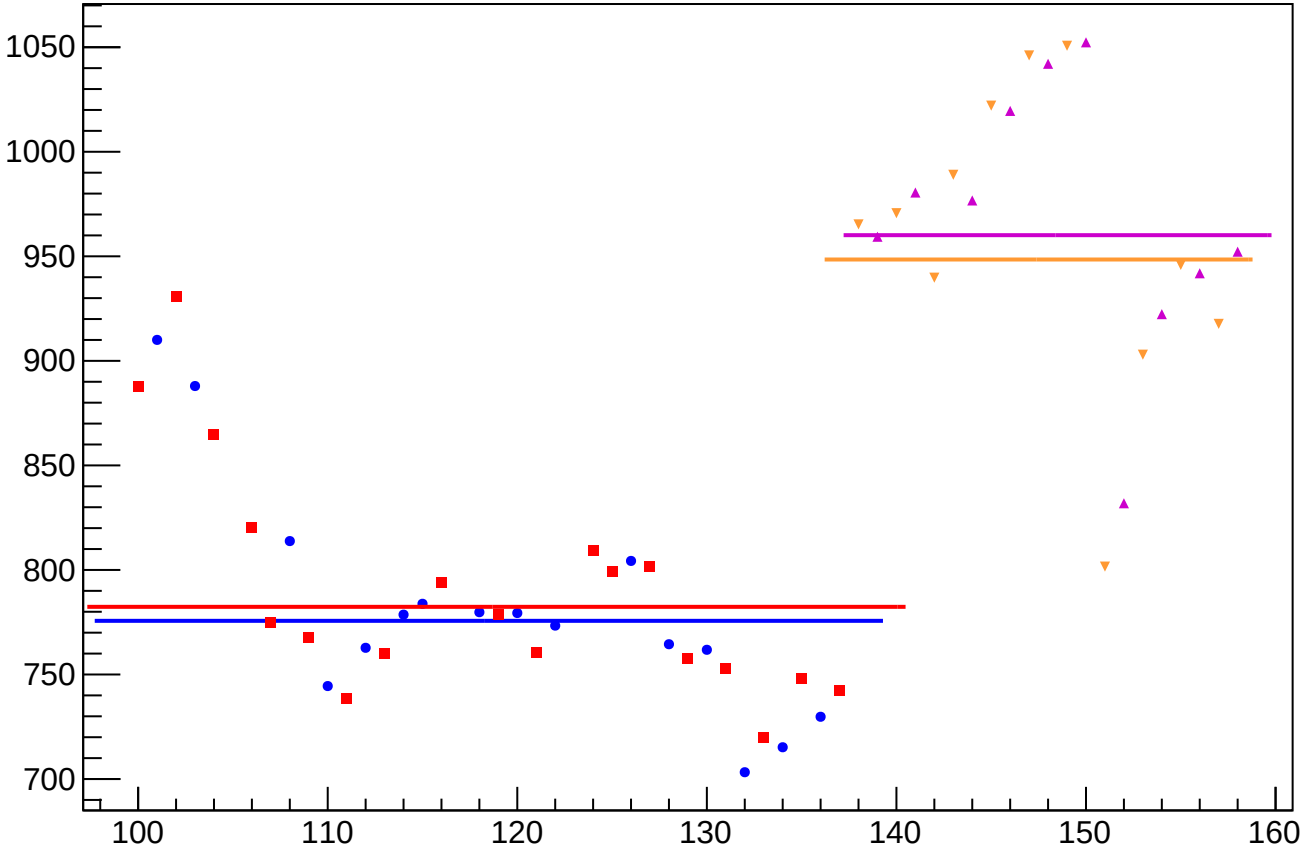
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 5.541+/-0.216 χ^2/NDF:28404.9/25

Out: -3.350+/-0.214 χ^2/NDF:19897.7/29

All: 1.051+/-0.152 χ^2/NDF: 49156.1/55

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 948.475+/-0.228 χ^2/NDF:105530.4/10

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 960.113+/-0.231 χ^2/NDF:76137.8/9

Left: 954.236+/-0.162 χ^2/NDF: 182953.8/20

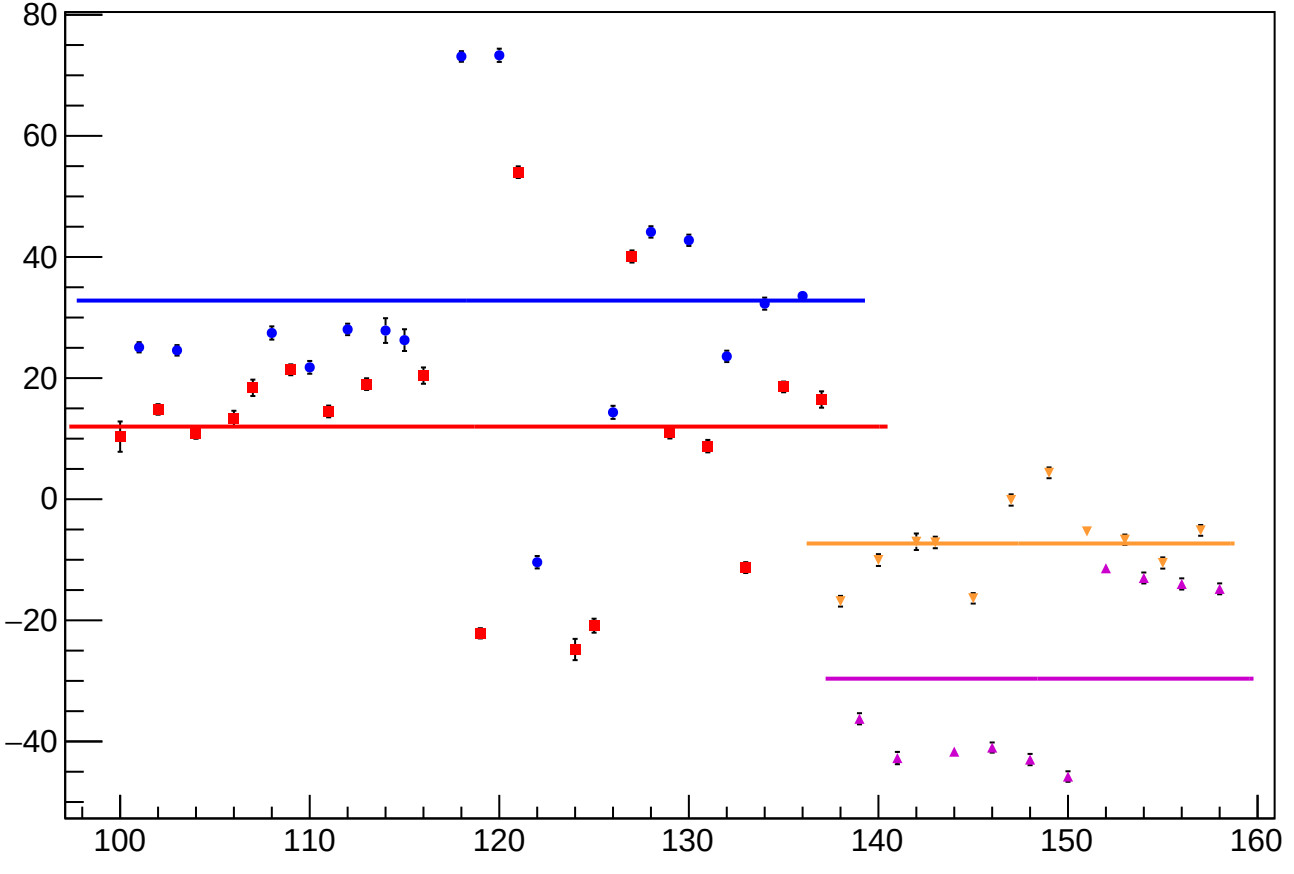
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 856.746+/-0.153 χ^2/NDF:509153.7/25

Out: 855.361+/-0.151 χ^2/NDF:466702.7/29

All: 856.047+/-0.108 χ^2/NDF: 975897.8/55

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.312+/-0.271 χ^2/NDF:491.7/10

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -29.632+/-0.276 χ^2/NDF:2711.8/9

Left: -18.275+/-0.193 χ^2/NDF: 6532.2/20

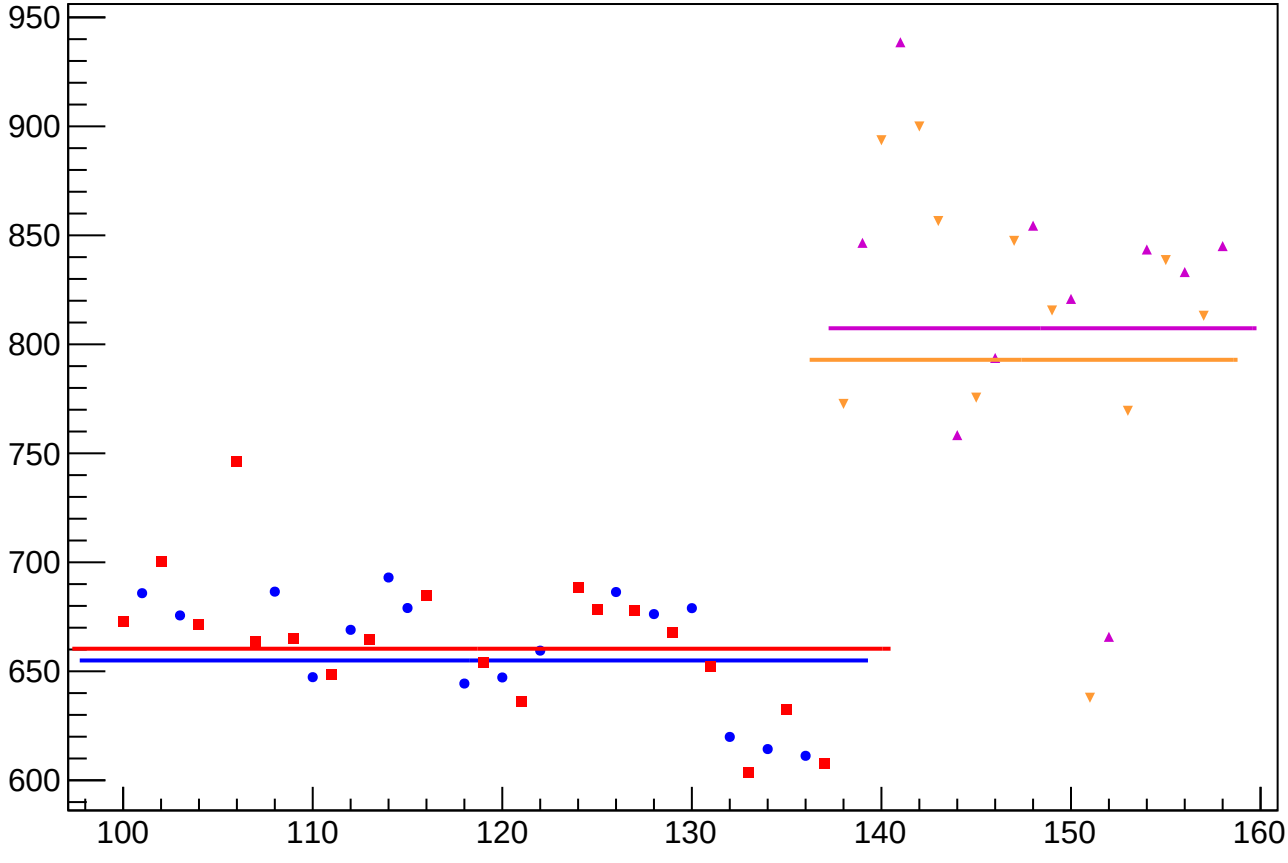
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 5.471+/-0.183 χ^2/NDF:37749.1/25

Out: 3.468+/-0.180 χ^2/NDF:9882.4/29

All: 4.456+/-0.128 χ^2/NDF: 47692.5/55

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 792.904+/-0.192 χ^2/NDF:159787.1/10

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 807.373+/-0.195 χ^2/NDF:135351.6/9

Left: 800.010+/-0.137 χ^2/NDF: 297936.3/20

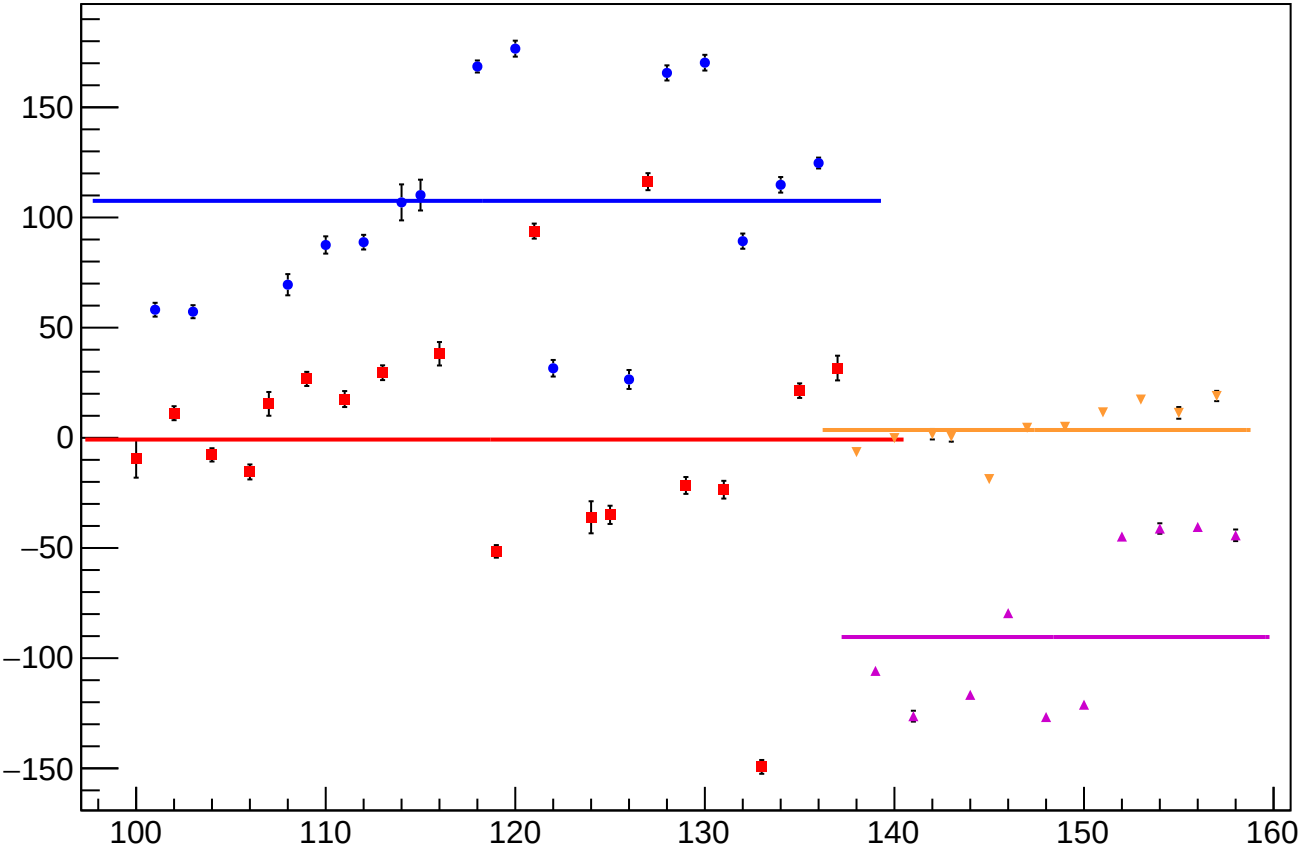
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 721.688+/-0.129 χ^2/NDF:505026.8/25

Out: 718.893+/-0.127 χ^2/NDF:457109.2/29

All: 720.272+/-0.091 χ^2/NDF: 962373.5/55

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 3.554+/-0.634 χ^2/NDF:259.7/10

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -90.402+/-0.632 χ^2/NDF:2961.6/9

Left: -43.565+/-0.448 χ^2/NDF: 14233.0/20

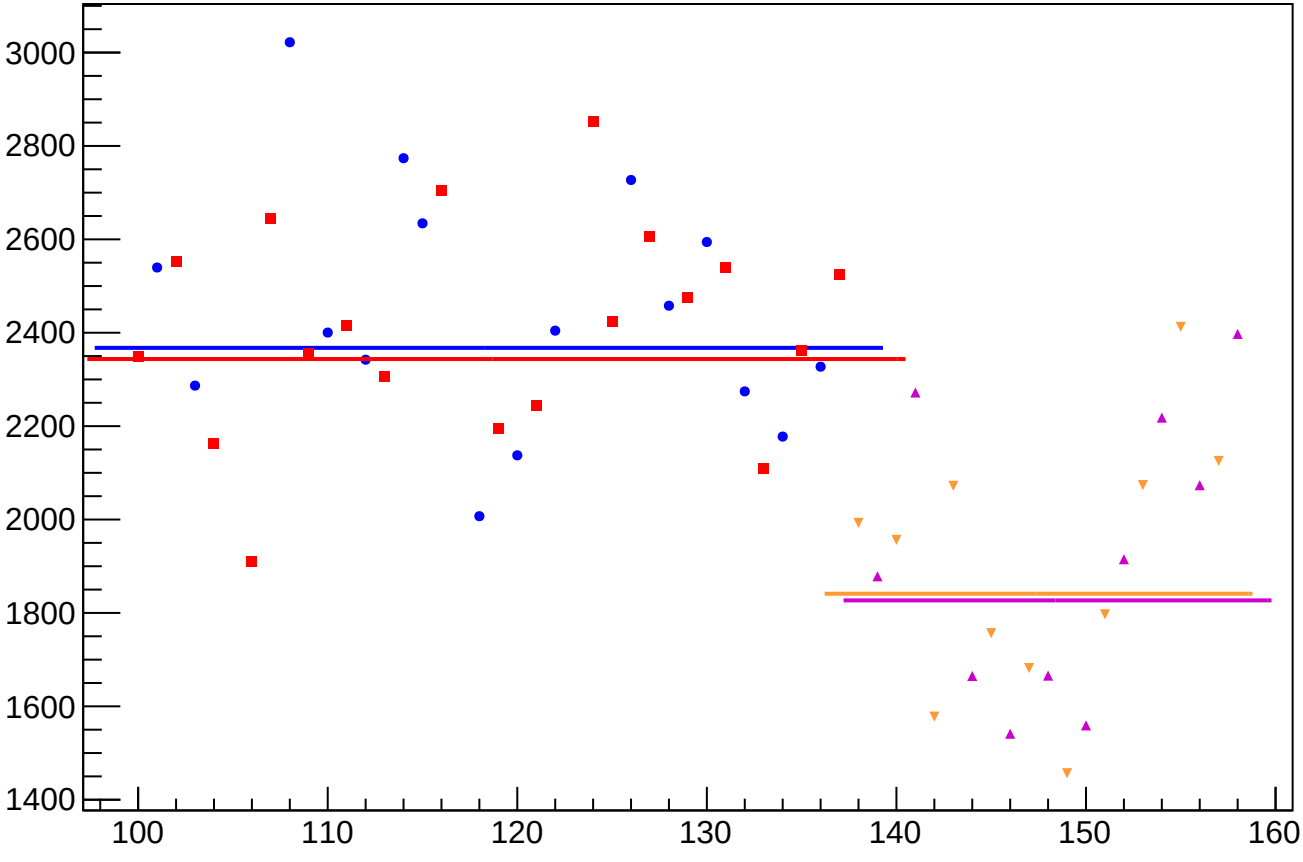
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -23.558+/-0.514 χ^2/NDF:39027.5/25

Out: 2.027+/-0.511 χ^2/NDF:5040.1/29

All: -10.667+/-0.362 χ^2/NDF: 45313.7/55

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1841.168+/-0.448 χ^2/NDF:337515.0/10

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1826.853+/-0.447 χ^2/NDF:387859.8/9

Left: 1833.989+/-0.317 χ^2/NDF: 725885.9/20

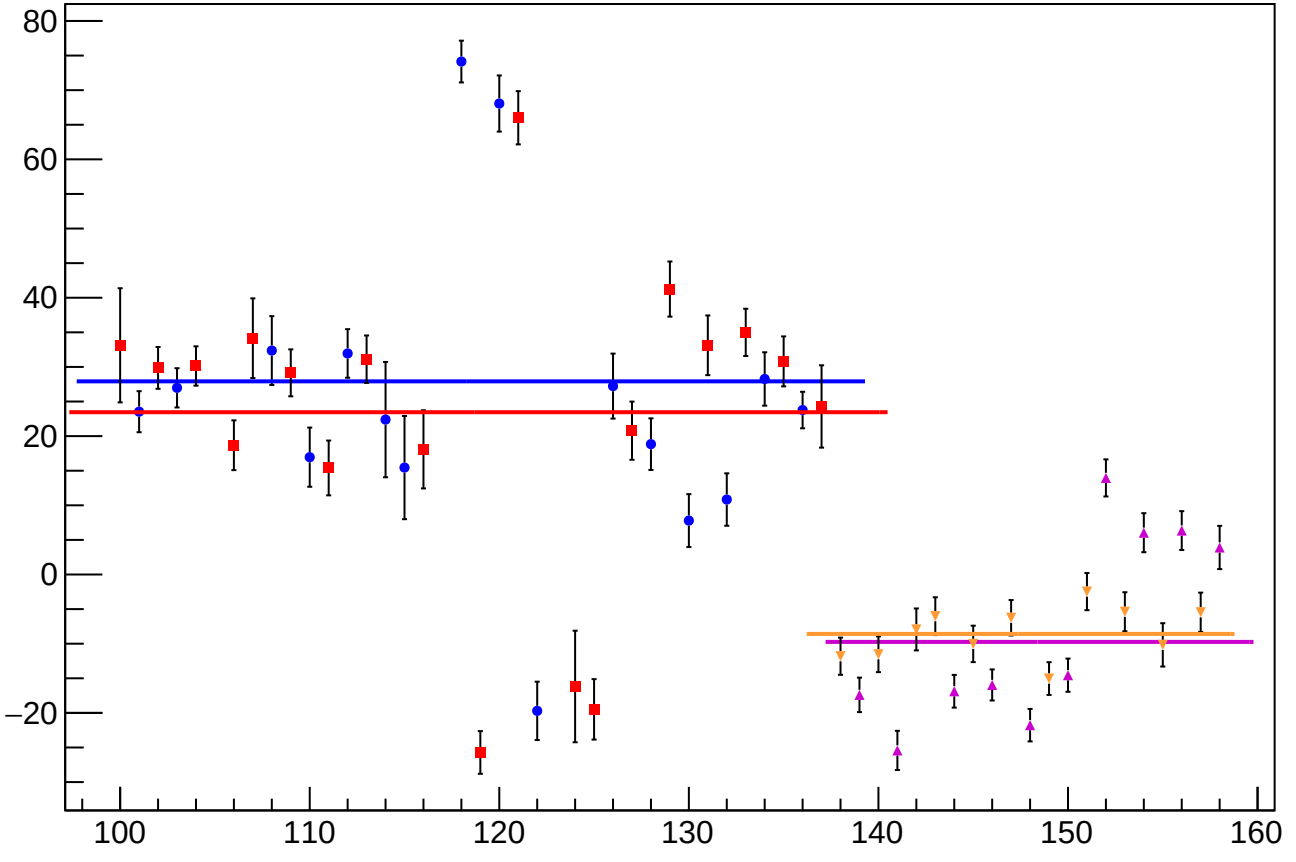
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2009.465+/-0.364 χ^2/NDF:1008842.2/25

Out: 2017.921+/-0.361 χ^2/NDF:891665.6/29

All: 2013.726+/-0.256 χ^2/NDF: 1900780.0/55

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.588+/-0.817 χ^2/NDF:20.2/10

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -9.740+/-0.813 χ^2/NDF:248.7/9

Left: -9.167+/-0.576 χ^2/NDF: 269.9/20

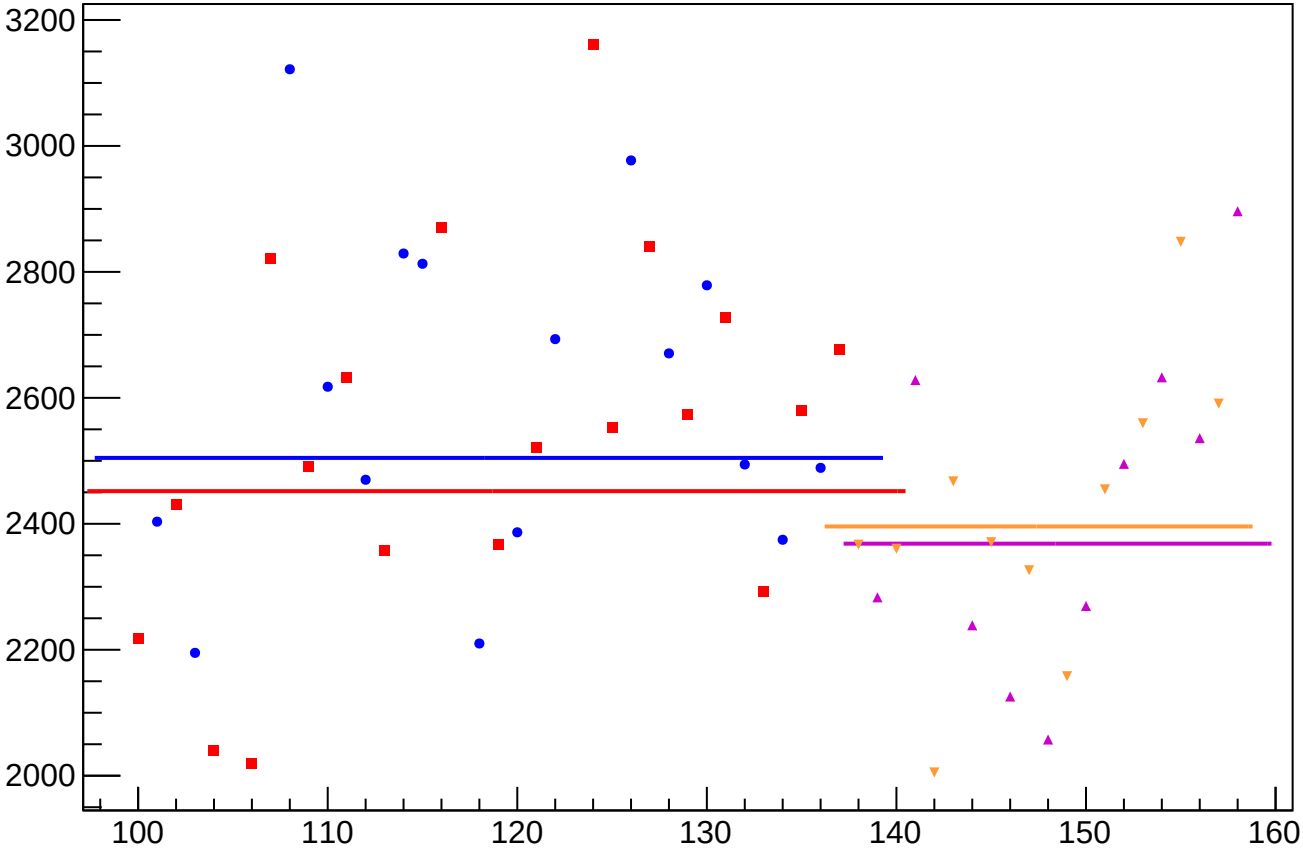
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.435+/-0.614 χ^2/NDF:1701.2/25

Out: 5.848+/-0.606 χ^2/NDF:1280.7/29

All: 6.138+/-0.431 χ^2/NDF: 2982.4/55

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2395.791+/-0.578 χ^2/NDF:115884.9/10

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2368.487+/-0.575 χ^2/NDF:173382.8/9

Left: 2382.066+/-0.408 χ^2/NDF: 290389.9/20

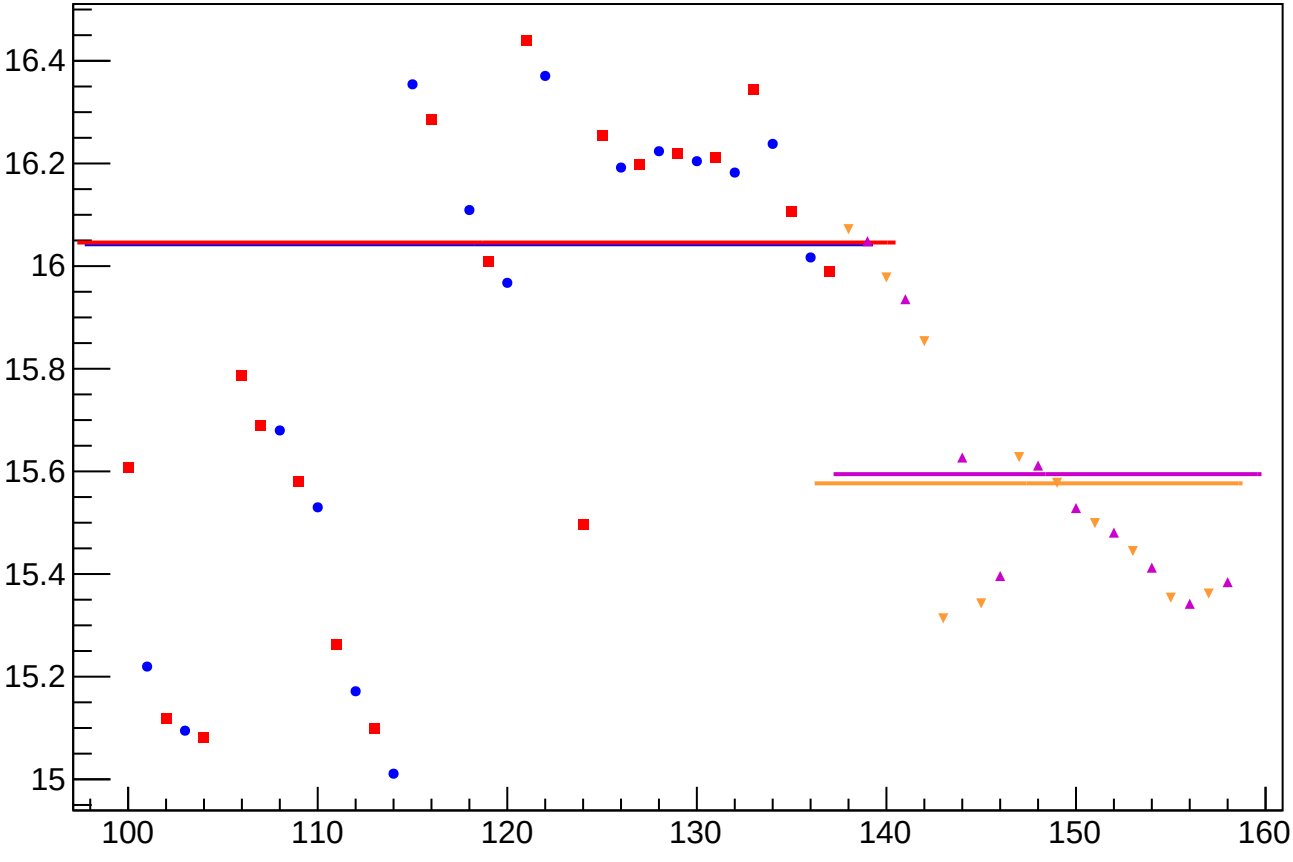
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2426.976+/-0.434 χ^2/NDF:324088.7/25

Out: 2421.058+/-0.428 χ^2/NDF:273365.7/29

All: 2423.978+/-0.305 χ^2/NDF: 597548.5/55

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.577+/-0.000 χ^2/NDF:5331183445.3/10

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.595+/-0.000 χ^2/NDF:3668860775.5/9

Left: 15.585+/-0.000 χ^2/NDF: 9010845313.5/20

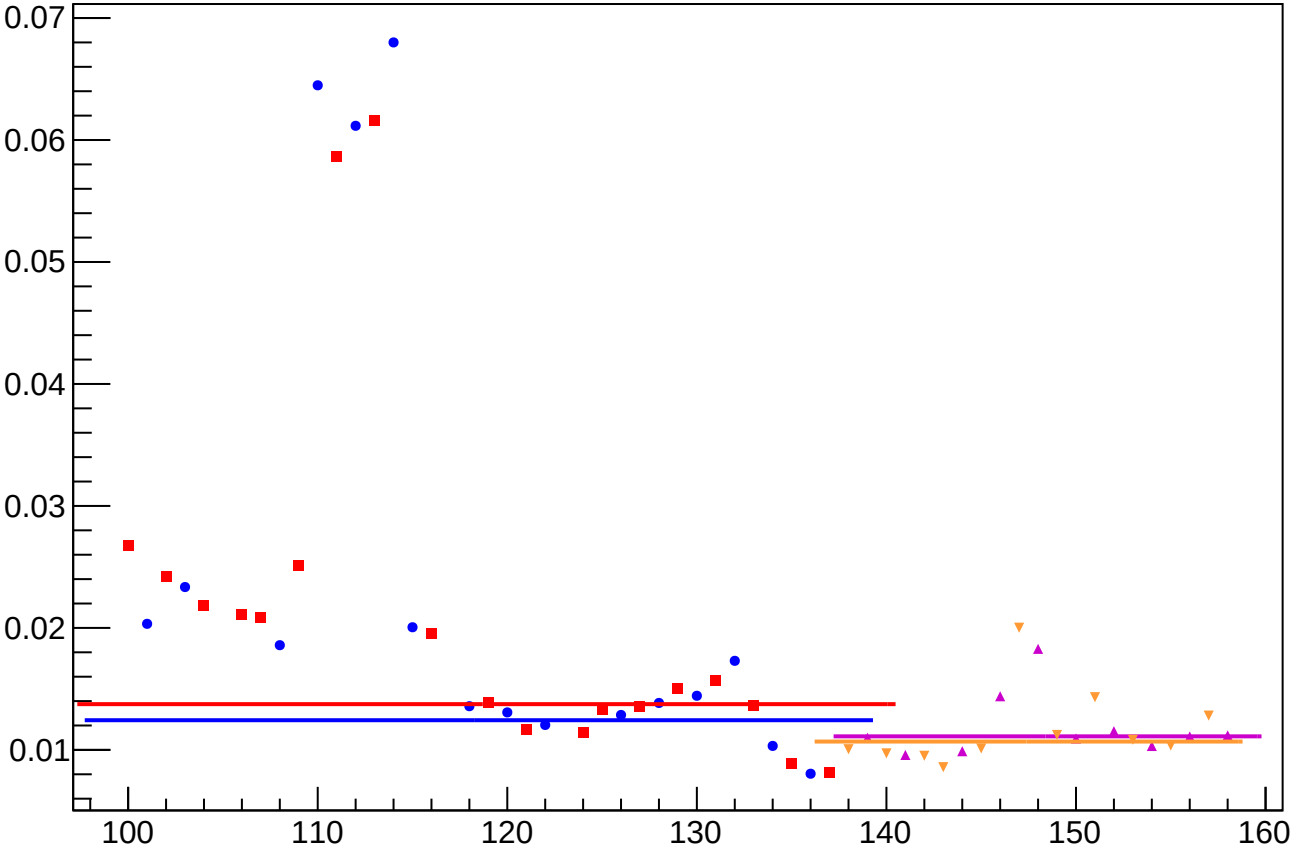
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.753+/-0.000 χ^2/NDF:11130370042.7/25

Out: 15.719+/-0.000 χ^2/NDF:13500847206.2/29

All: 15.736+/-0.000 χ^2/NDF: 24689105615.5

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:626812.3/10

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:408175.8/9

Left: 0.011+/-0.000 χ^2/NDF: 1047208.9/20

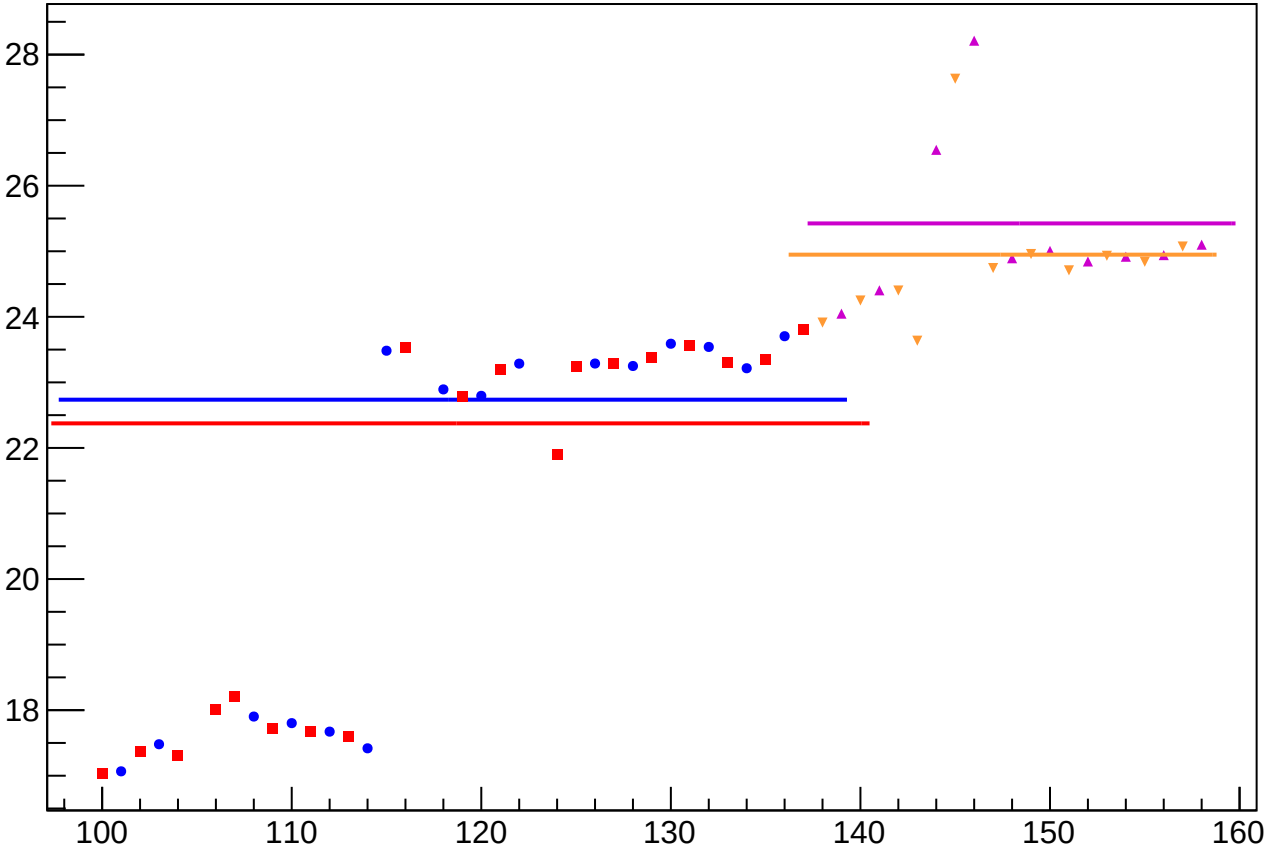
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2805565.2/25

Out: 0.012+/-0.000 χ^2/NDF:3251901.7/29

All: 0.012+/-0.000 χ^2/NDF: 6057592.0/55

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.948+/-0.000 χ^2/NDF:763839501.3/10

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.425+/-0.000 χ^2/NDF:679286627.4/9

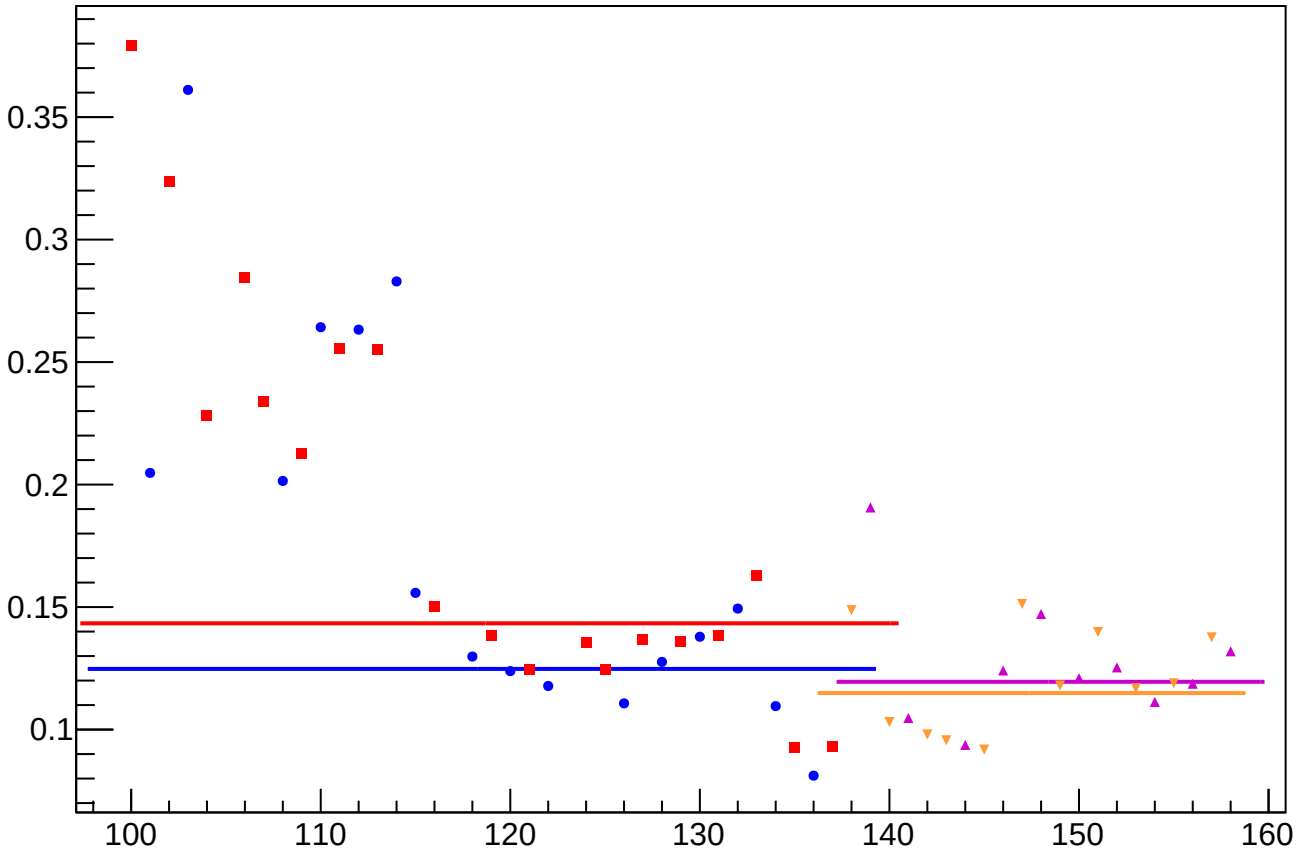
Left: 25.180+/-0.000 χ^2/NDF: 1503439609.4/20

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.352+/-0.000 χ^2/NDF:3392369480.6/25

Out: 24.077+/-0.000 χ^2/NDF:3203931238.6/29

All: 24.217+/-0.000 χ^2/NDF: 6628124545.1/5



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.115+/-0.000 χ^2/NDF:423934.0/10

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.119+/-0.000 χ^2/NDF:456638.5/9

Left: 0.117+/-0.000 χ^2/NDF: 891798.0/20

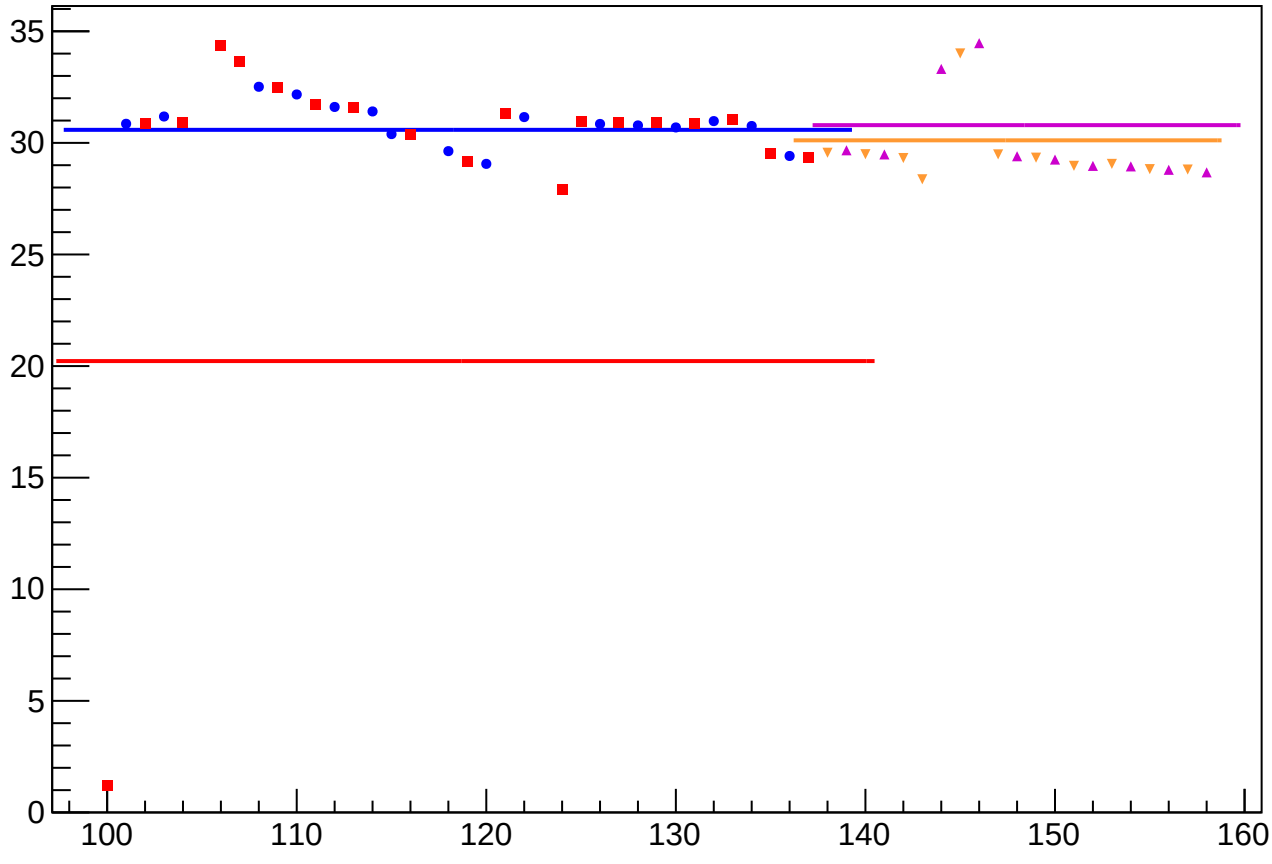
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.122+/-0.000 χ^2/NDF:2217909.4/25

Out: 0.125+/-0.000 χ^2/NDF:2293718.8/29

All: 0.123+/-0.000 χ^2/NDF: 4518918.1/55

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.114+/-0.000 χ^2/NDF:5514788538.3/10

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.795+/-0.000 χ^2/NDF:7815056384.5/9

Left: 30.469+/-0.000 χ^2/NDF: 13653948050.3/20

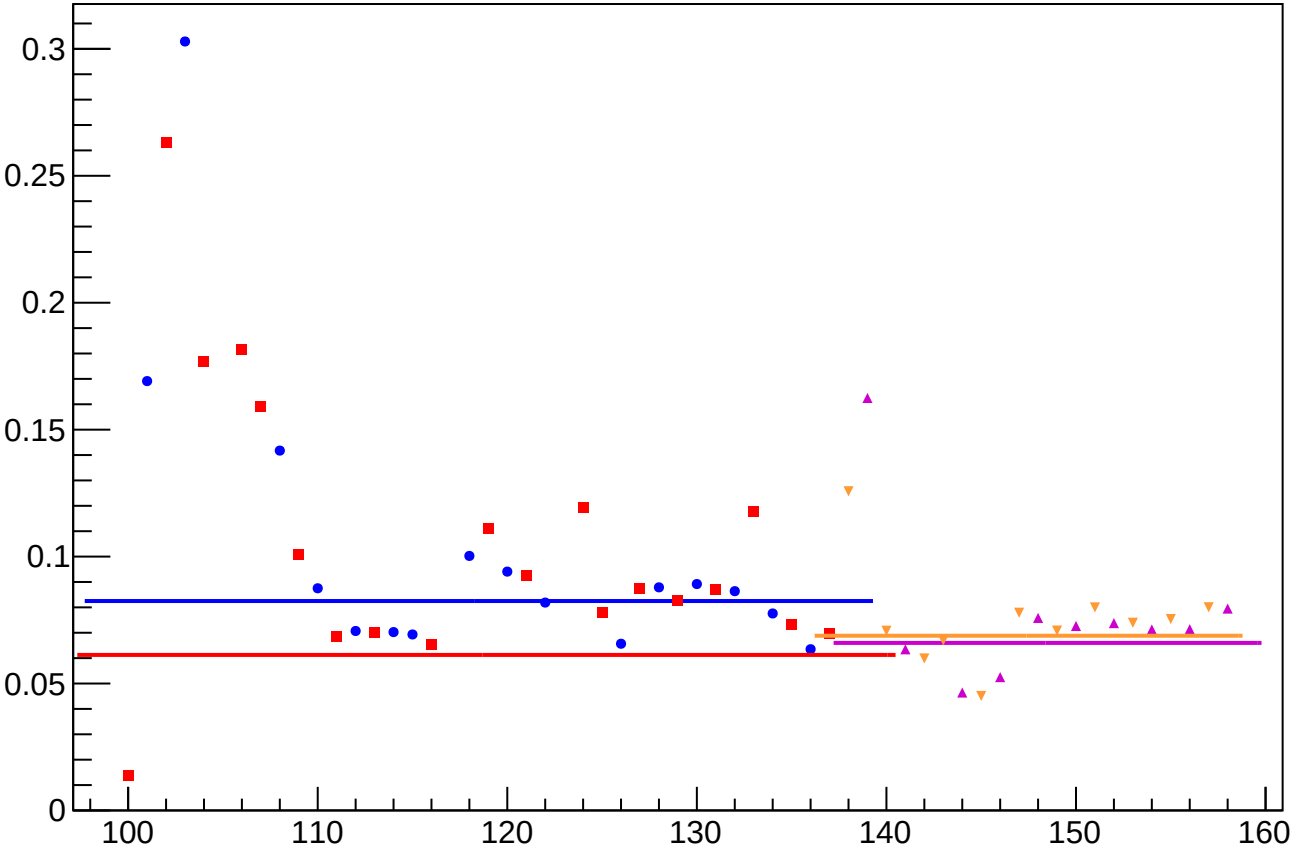
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.722+/-0.000 χ^2/NDF:8489698853.3/25

Out: 25.681+/-0.000 χ^2/NDF:285504322179.8/29

All: 28.098+/-0.000 χ^2/NDF: 323573404267.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:685381.2/10

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.066+/-0.000 χ^2/NDF:996288.0/9

Left: 0.067+/-0.000 χ^2/NDF: 1692834.7/20

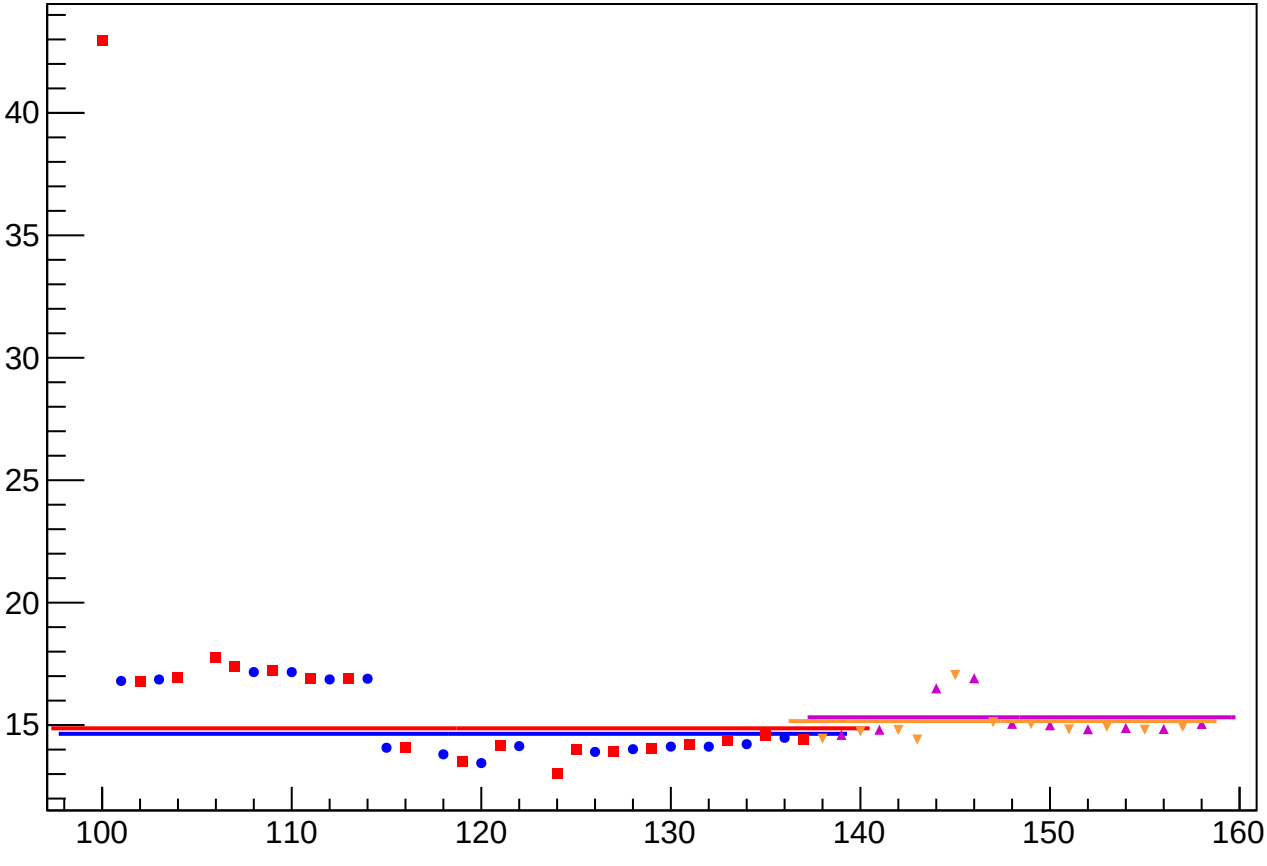
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.072+/-0.000 χ^2/NDF:2533313.6/25

Out: 0.065+/-0.000 χ^2/NDF:4768329.6/29

All: 0.068+/-0.000 χ^2/NDF: 7393248.5/55

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.163+/-0.000 χ^2/NDF:990785914.4/10

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.319+/-0.000 χ^2/NDF:871785673.7/9

Left: 15.242+/-0.000 χ^2/NDF: 1880707567.6/20

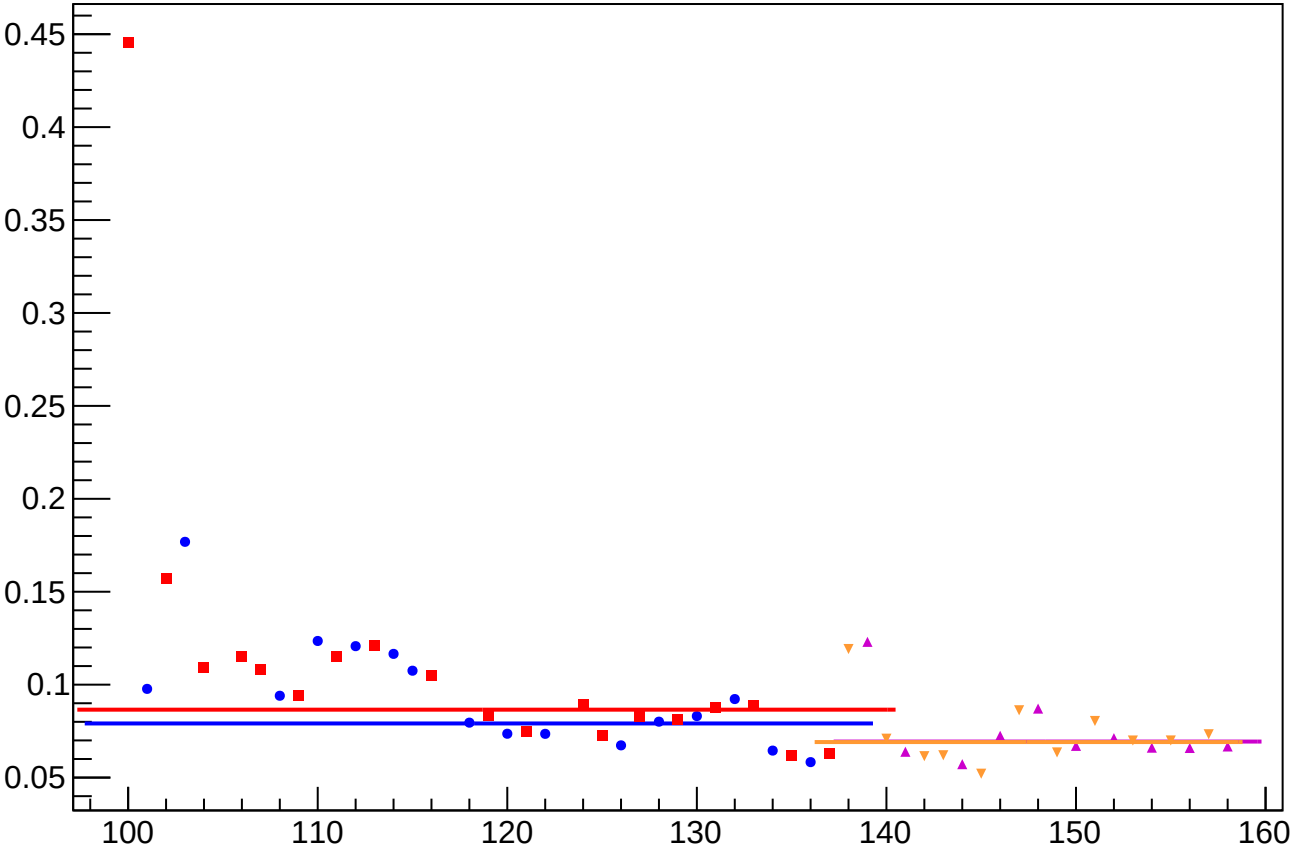
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.060+/-0.000 χ^2/NDF:2328609540.1/25

Out: 15.057+/-0.000 χ^2/NDF:2766419511.4/29

All: 15.058+/-0.000 χ^2/NDF: 5095038214.2/5

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:514898.4/10

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:461659.4/9

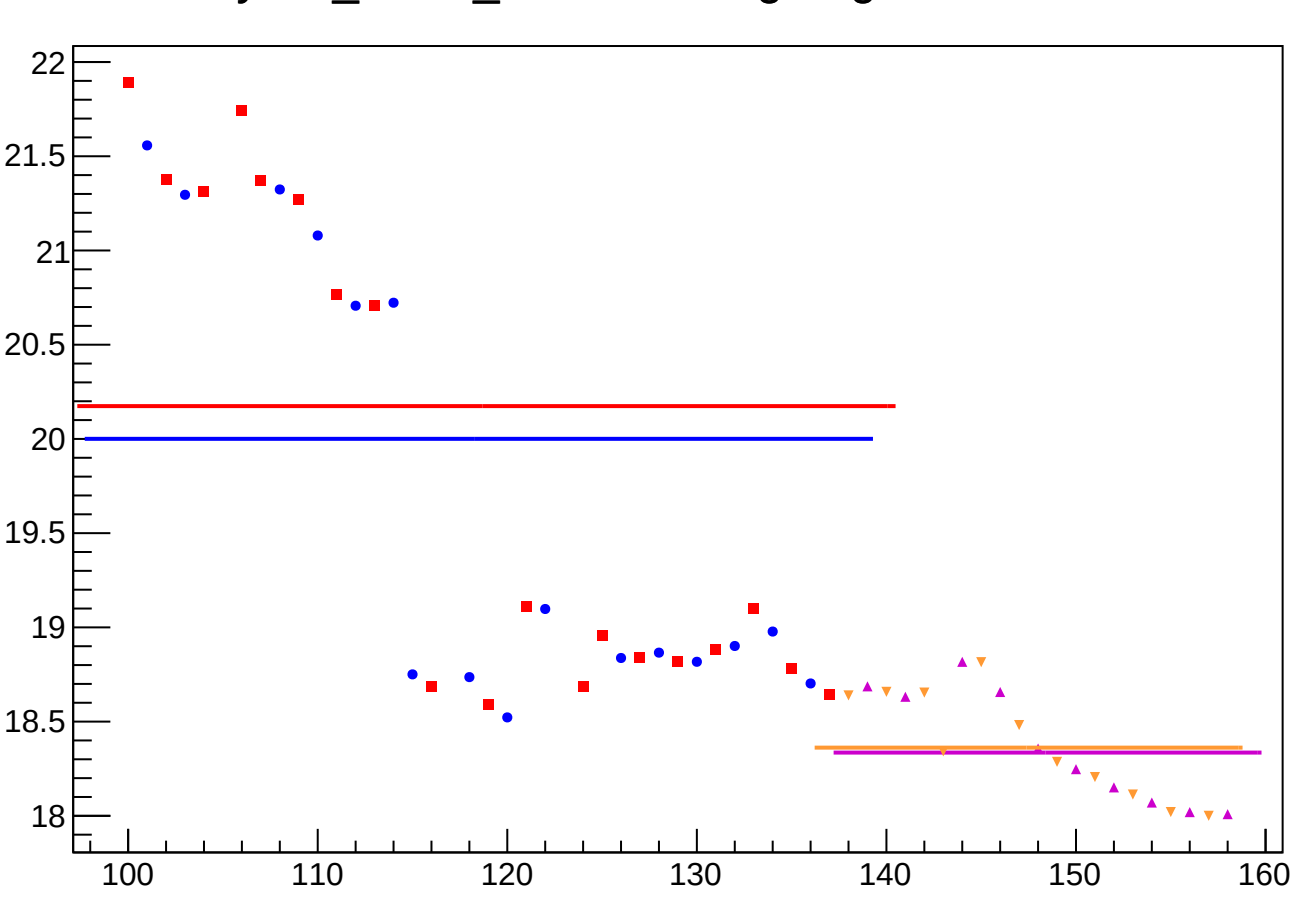
Left: 0.069+/-0.000 χ^2/NDF: 976659.1/20

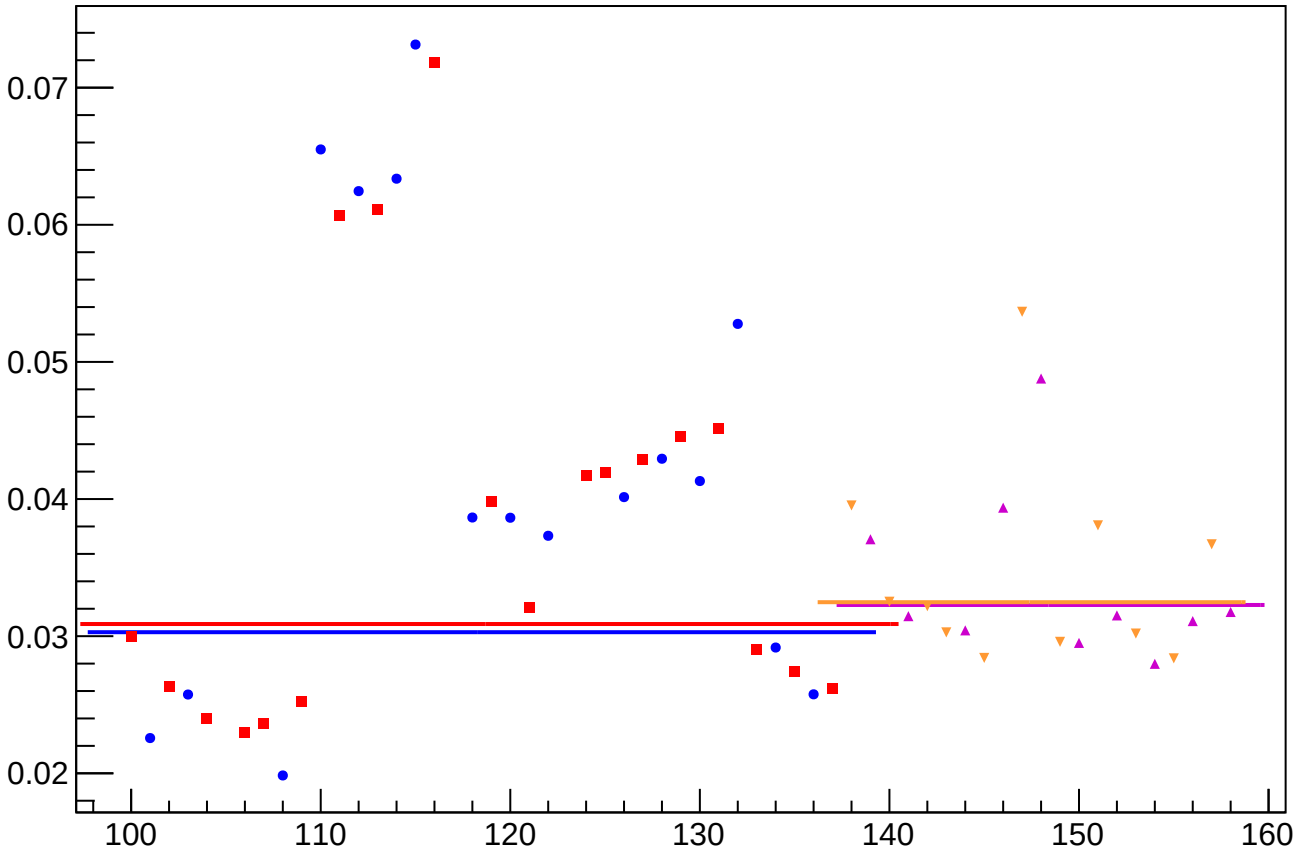
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.073+/-0.000 χ^2/NDF:1489620.0/25

Out: 0.075+/-0.000 χ^2/NDF:1627752.8/29

All: 0.074+/-0.000 χ^2/NDF: 3129304.7/55


yield_sam5_mean vs Slug, Sign Corrected
22
21.5
21
20.5
20
19.5
19
18.5
18
100
110
120
130
140
150
160
Right In: 20.001+/-0.000 χ²/NDF: 10878846617.7/15
Left Out: 18.362+/-0.000 χ²/NDF:601632563.0/10
Right Out: 20.174+/-0.000 χ²/NDF: 10426322430.8/18
Left In: 18.336+/-0.000 χ²/NDF:702936820.9/9
Left: 18.349+/-0.000 χ²/NDF: 1307243848.1/20
Right: 20.087+/-0.000 χ²/NDF: 21403297693.7/34
In: 19.089+/-0.000 χ²/NDF:21443495090.6/25
Out: 19.197+/-0.000 χ²/NDF:22575466876.6/29
All: 19.143+/-0.000 χ²/NDF: 44101584449.3



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:448968.9/10

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:328529.4/9

Left: 0.032+/-0.000 χ^2/NDF: 777815.6/20

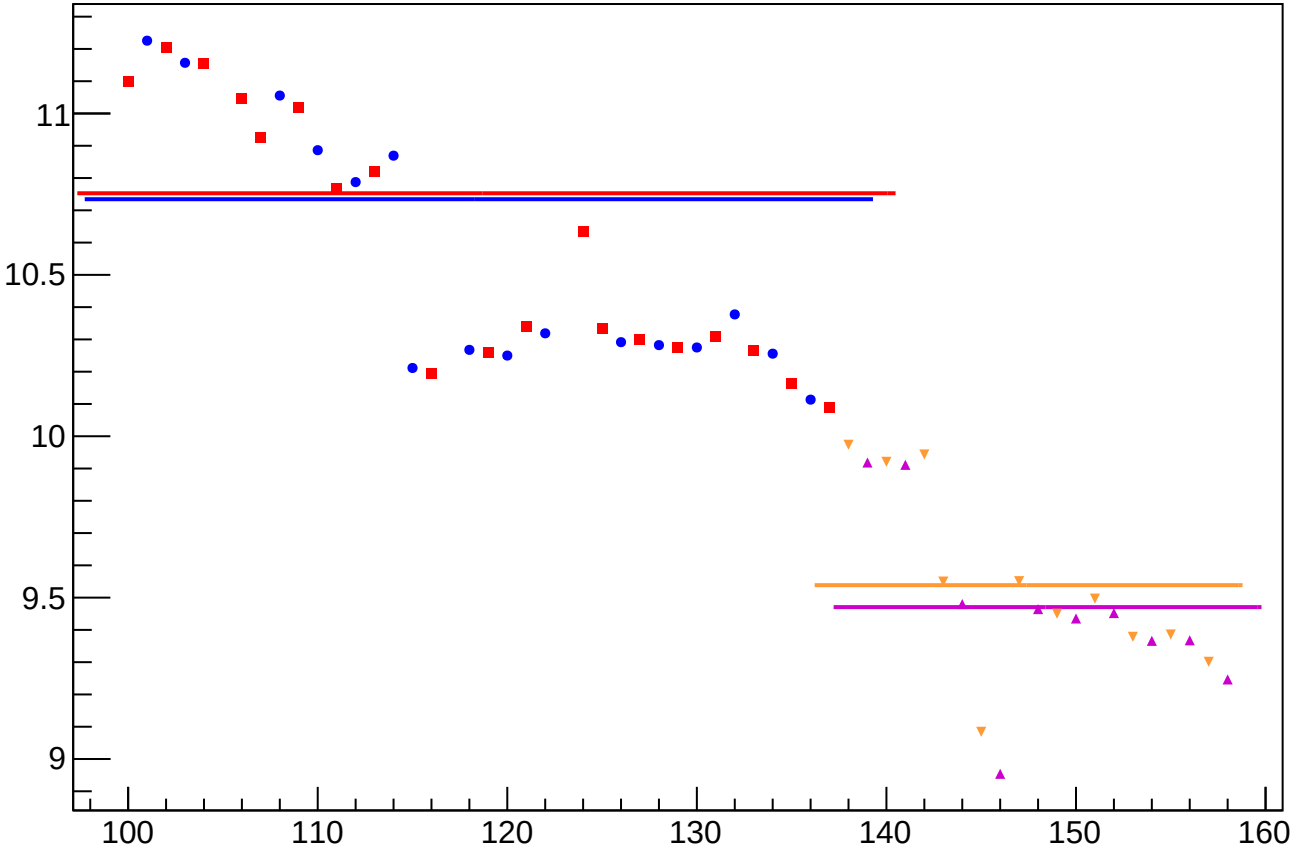
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1803952.1/25

Out: 0.032+/-0.000 χ^2/NDF:1671507.8/29

All: 0.032+/-0.000 χ^2/NDF: 3477388.5/55

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.539+/-0.000 χ^2/NDF:1415333331.7/10

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.471+/-0.000 χ^2/NDF:1168253881.9/9

Left: 9.506+/-0.000 χ^2/NDF: 2628098969.7/20

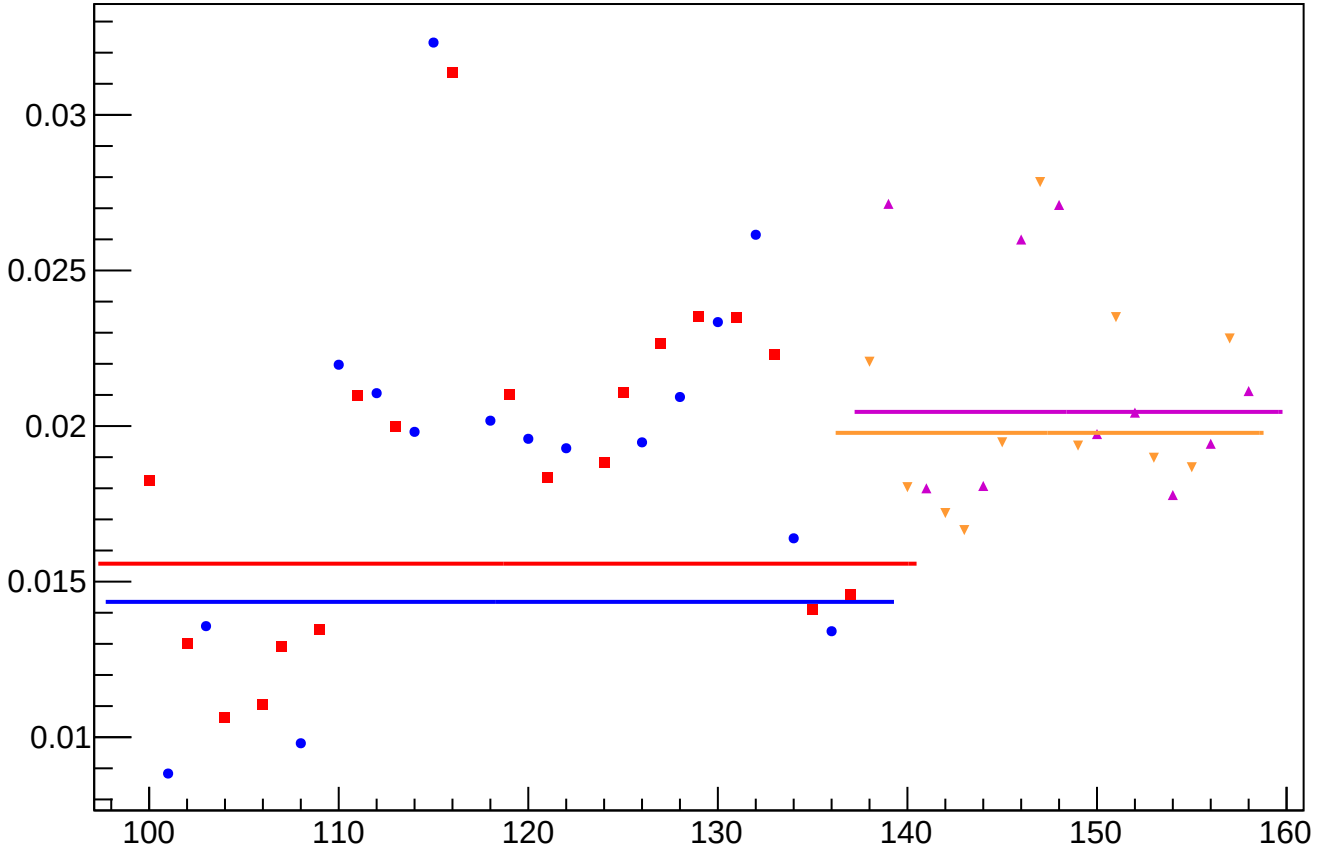
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.224+/-0.000 χ^2/NDF:24874015922.5/25

Out: 10.222+/-0.000 χ^2/NDF:22188043160.8/29

All: 10.223+/-0.000 χ^2/NDF: 47062090718.5

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:305880.6/10

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:371551.0/9

Left: 0.020+/-0.000 χ^2/NDF: 686166.5/20

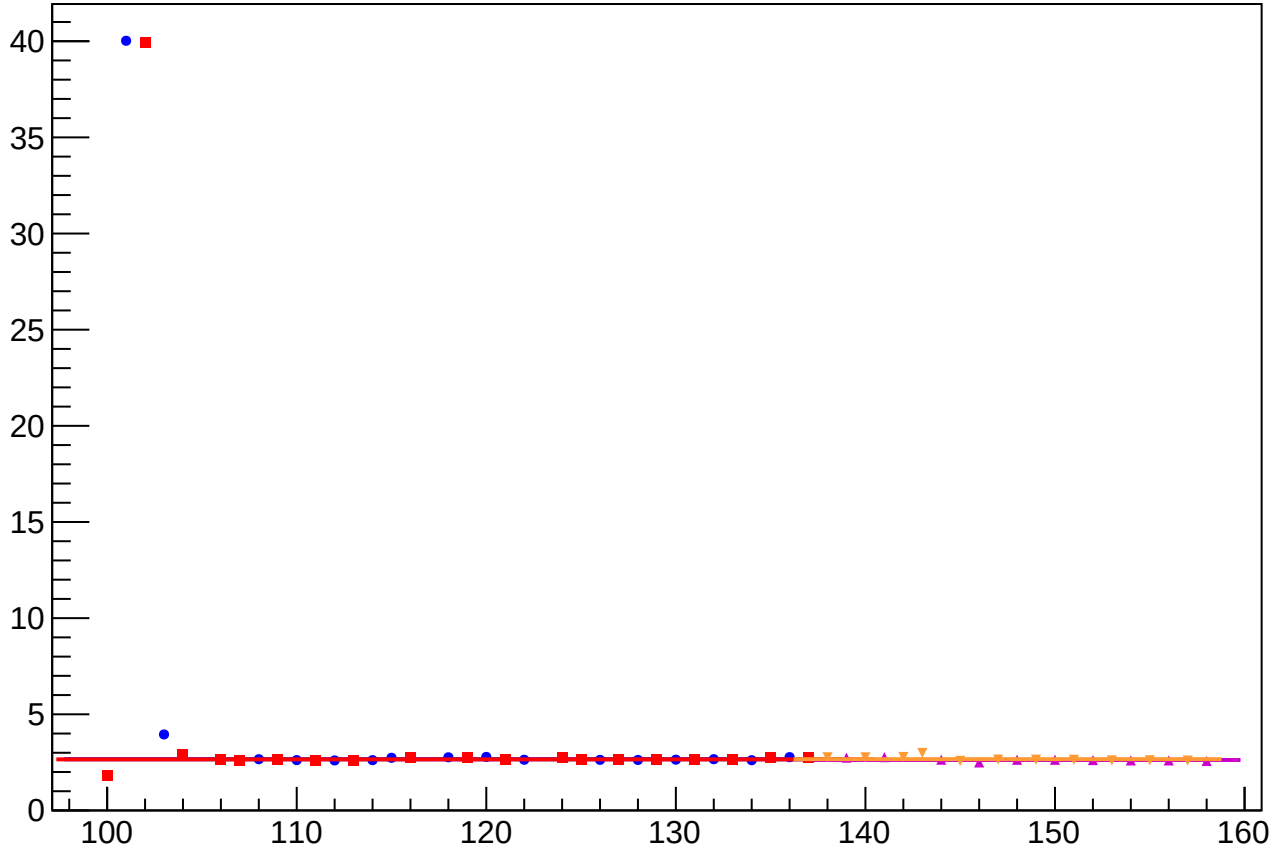
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2685487.2/25

Out: 0.017+/-0.000 χ^2/NDF:1771864.6/29

All: 0.017+/-0.000 χ^2/NDF: 4473638.6/55

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.667+/-0.000 χ^2/NDF:17017755498.7/10

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.623+/-0.000 χ^2/NDF:7914118182.0/9

Left: 2.644+/-0.000 χ^2/NDF: 26199008689.5/20

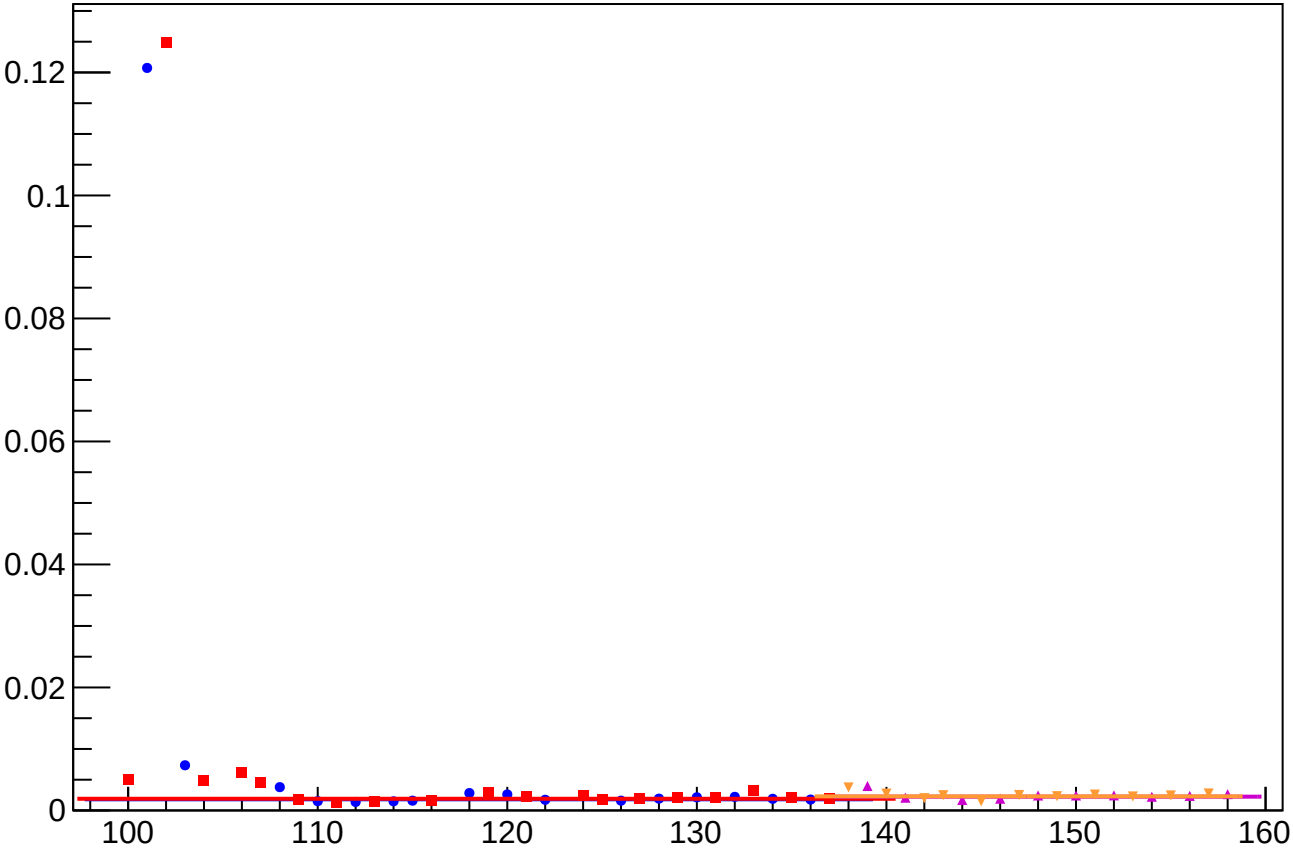
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.644+/-0.000 χ^2/NDF:76906145987.7/25

Out: 2.661+/-0.000 χ^2/NDF:82147743640.2/29

All: 2.653+/-0.000 χ^2/NDF: 159477078791.8

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:700430.2/10

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:566292.3/9

Left: 0.002+/-0.000 χ^2/NDF: 1269871.0/20

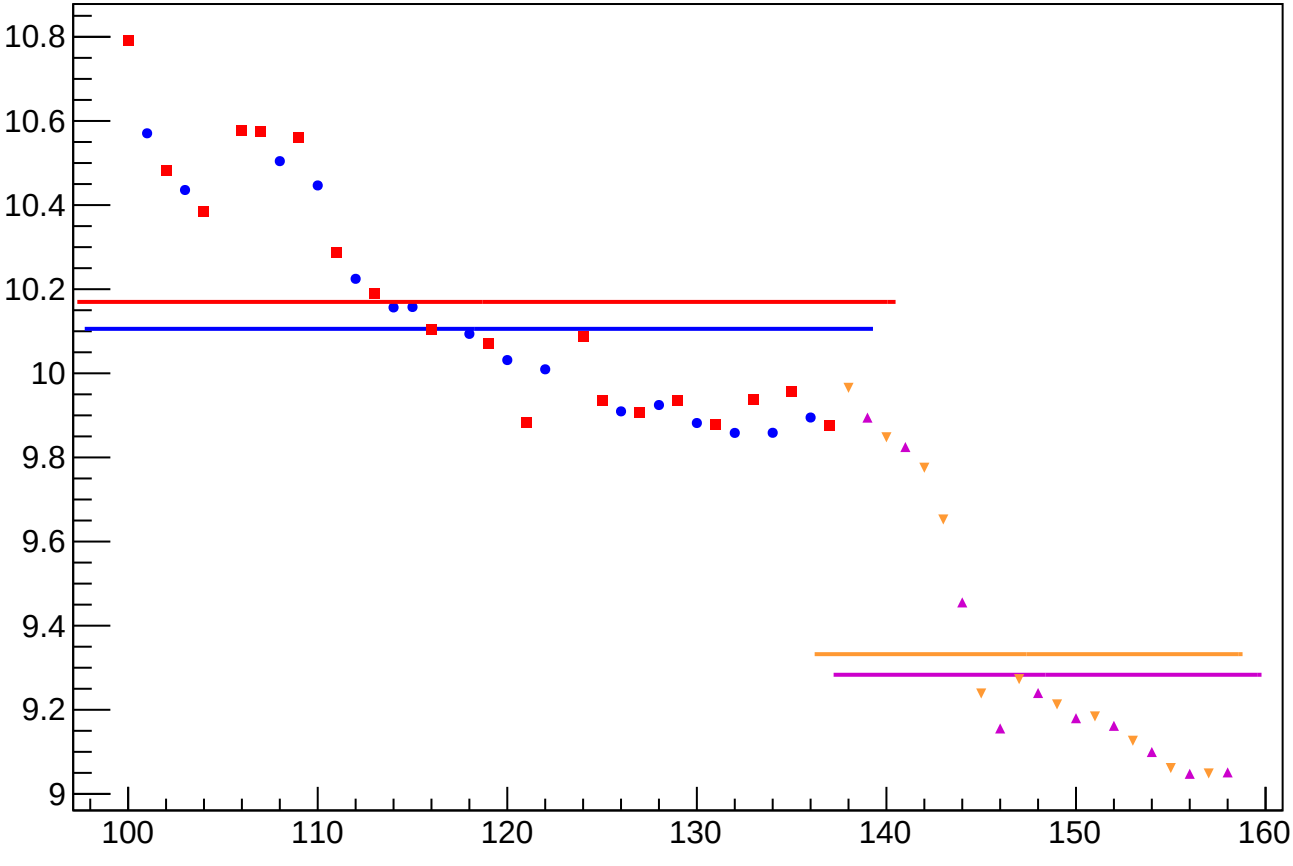
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2647788.6/25

Out: 0.002+/-0.000 χ^2/NDF:3432177.2/29

All: 0.002+/-0.000 χ^2/NDF: 6090937.1/55

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.332+/-0.000 χ^2/NDF:12760161193.3/10

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.283+/-0.000 χ^2/NDF:11754720972.2/9

Left: 9.308+/-0.000 χ^2/NDF: 24716293172.3/20

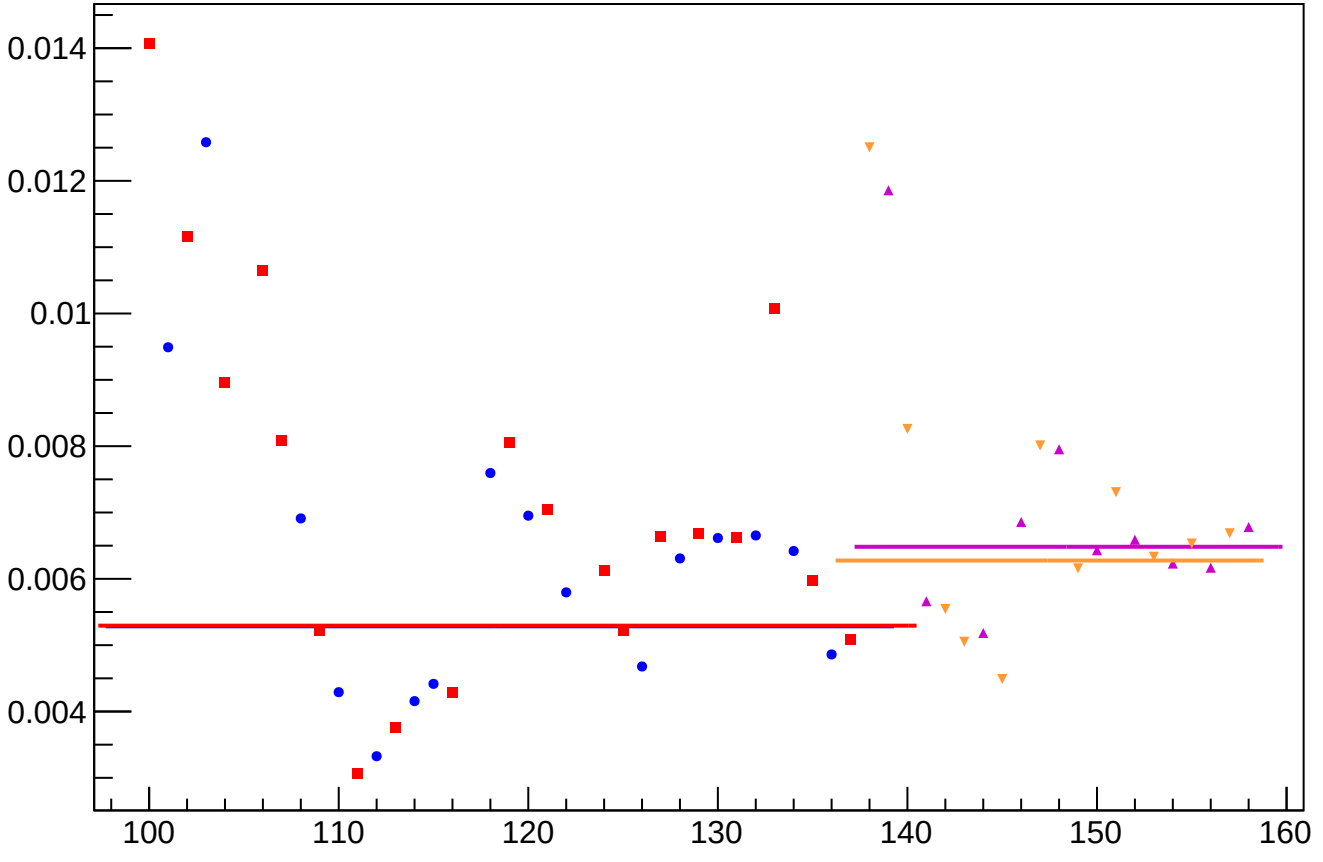
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.726+/-0.000 χ^2/NDF:81337747140.6/25

Out: 9.782+/-0.000 χ^2/NDF:85815716951.7/29

All: 9.754+/-0.000 χ^2/NDF: 167730493546.0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:789564.1/10

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:495582.5/9

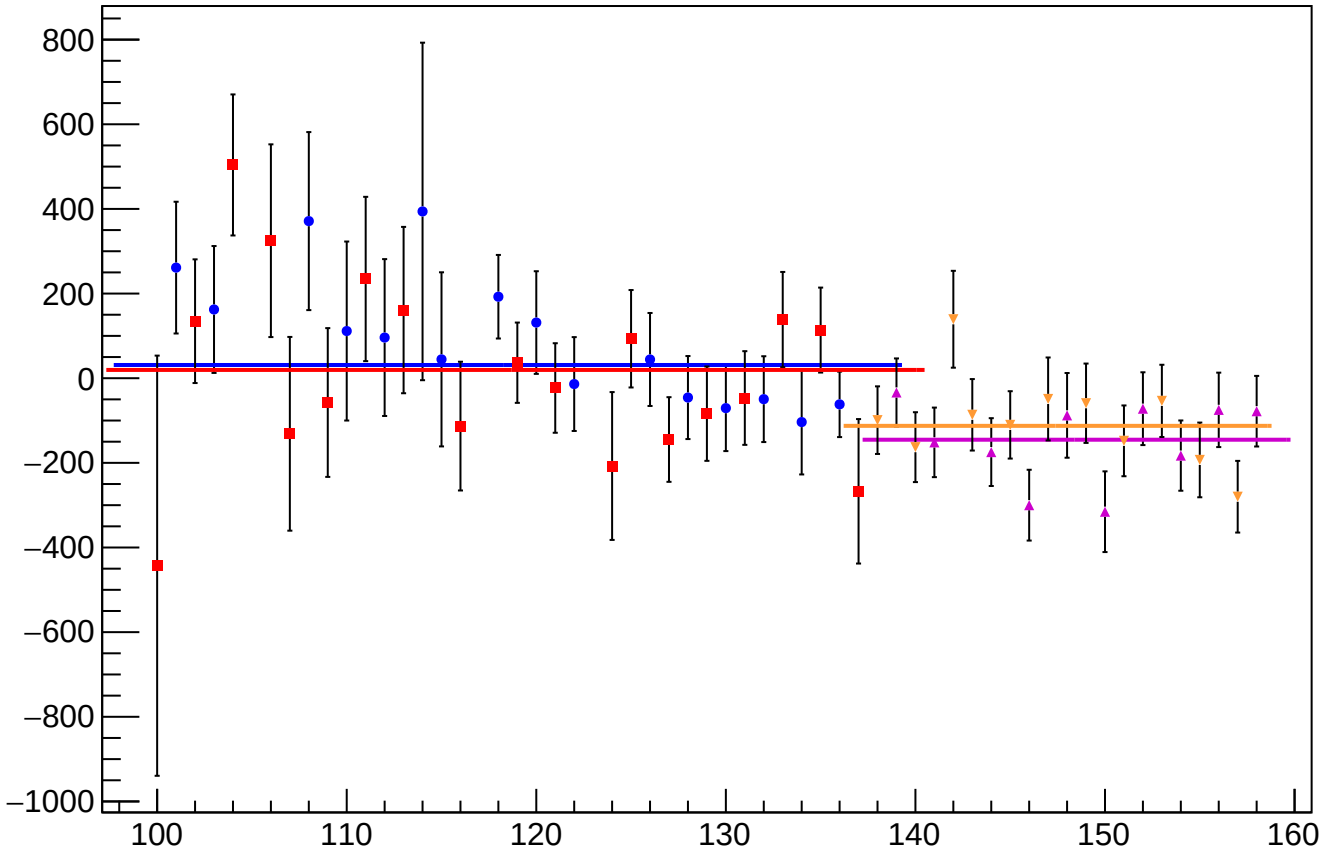
Left: 0.006+/-0.000 χ^2/NDF: 1292360.8/20

Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2026653.1/25

Out: 0.006+/-0.000 χ^2/NDF:2757607.7/29

All: 0.006+/-0.000 χ^2/NDF: 4787190.7/55



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -112.549+/-26.315 χ^2/NDF:11.5/10

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -145.332+/-27.070 χ^2/NDF:11.2/9

Left: -128.477+/-18.869 χ^2/NDF: 23.5/20

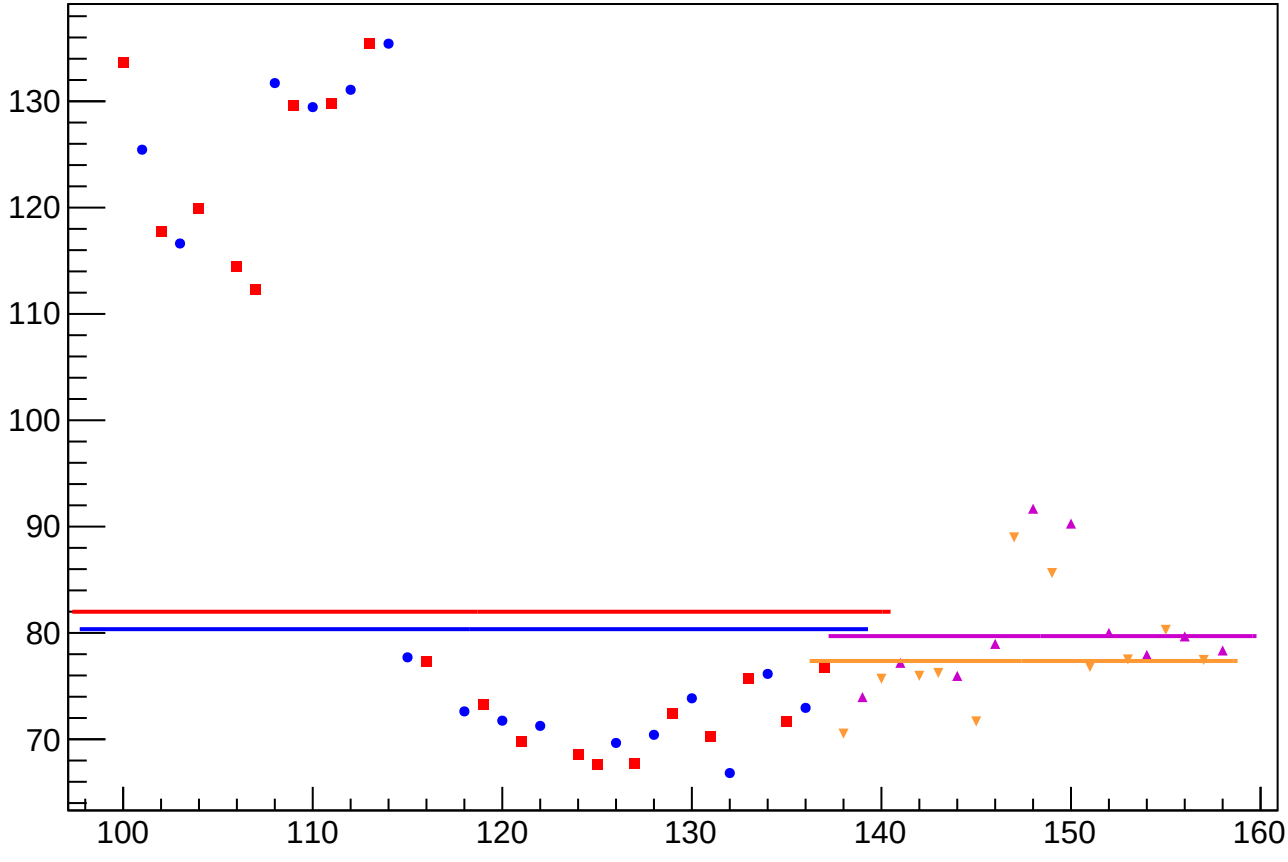
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -68.337+/-20.329 χ^2/NDF:44.9/25

Out: -57.337+/-20.078 χ^2/NDF:47.9/29

All: -62.768+/-14.285 χ^2/NDF: 92.9/55

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.363+/-0.019 χ^2/NDF:72294.6/10

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

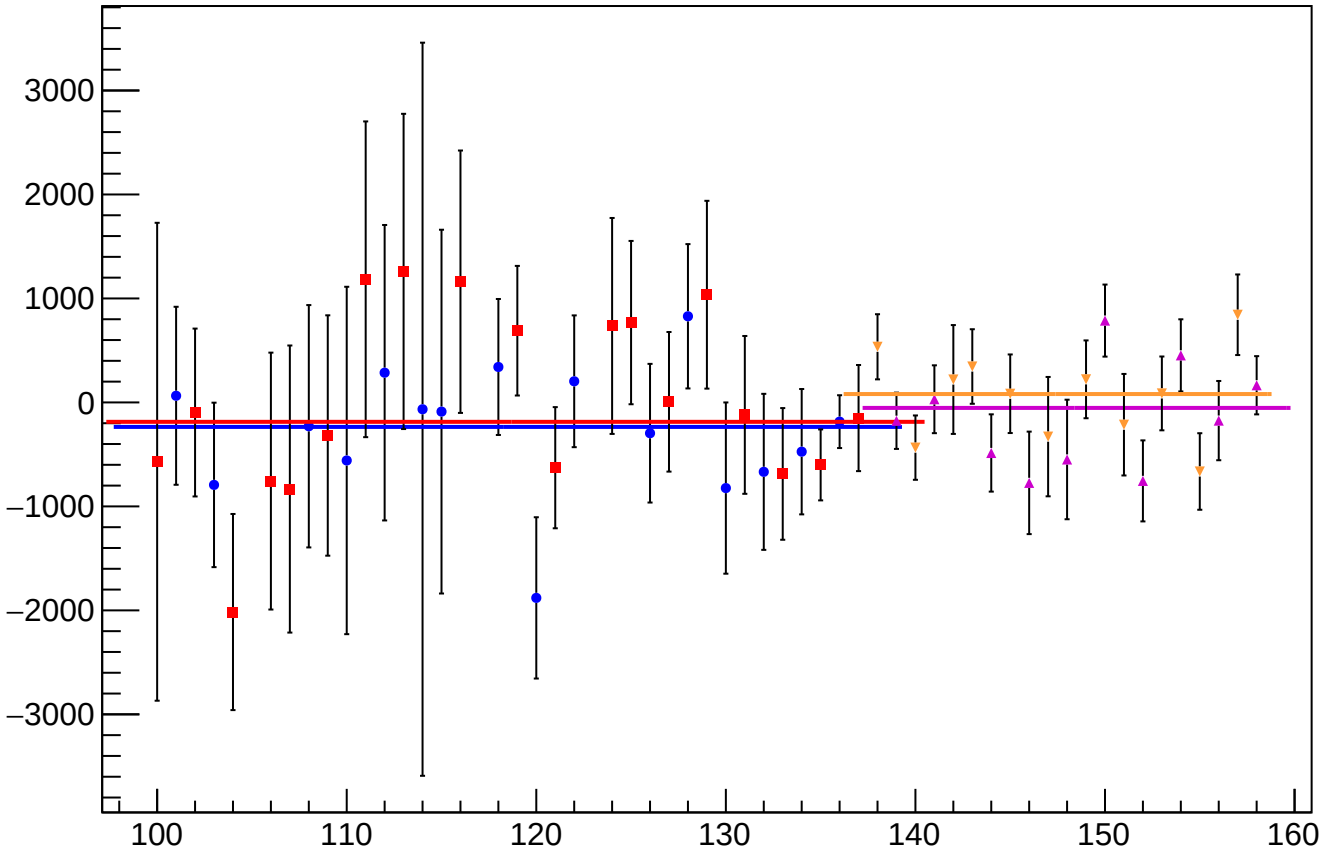
Left: 78.500+/-0.013 χ^2/NDF: 151278.2/20

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.986+/-0.014 χ^2/NDF:911853.4/25

Out: 79.298+/-0.014 χ^2/NDF:1030498.6/29

All: 79.638+/-0.010 χ^2/NDF: 1943512.8/55



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 80.566+/-115.153 χ^2/NDF:14.5/10

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -52.773+/-111.606 χ^2/NDF:16.5/9

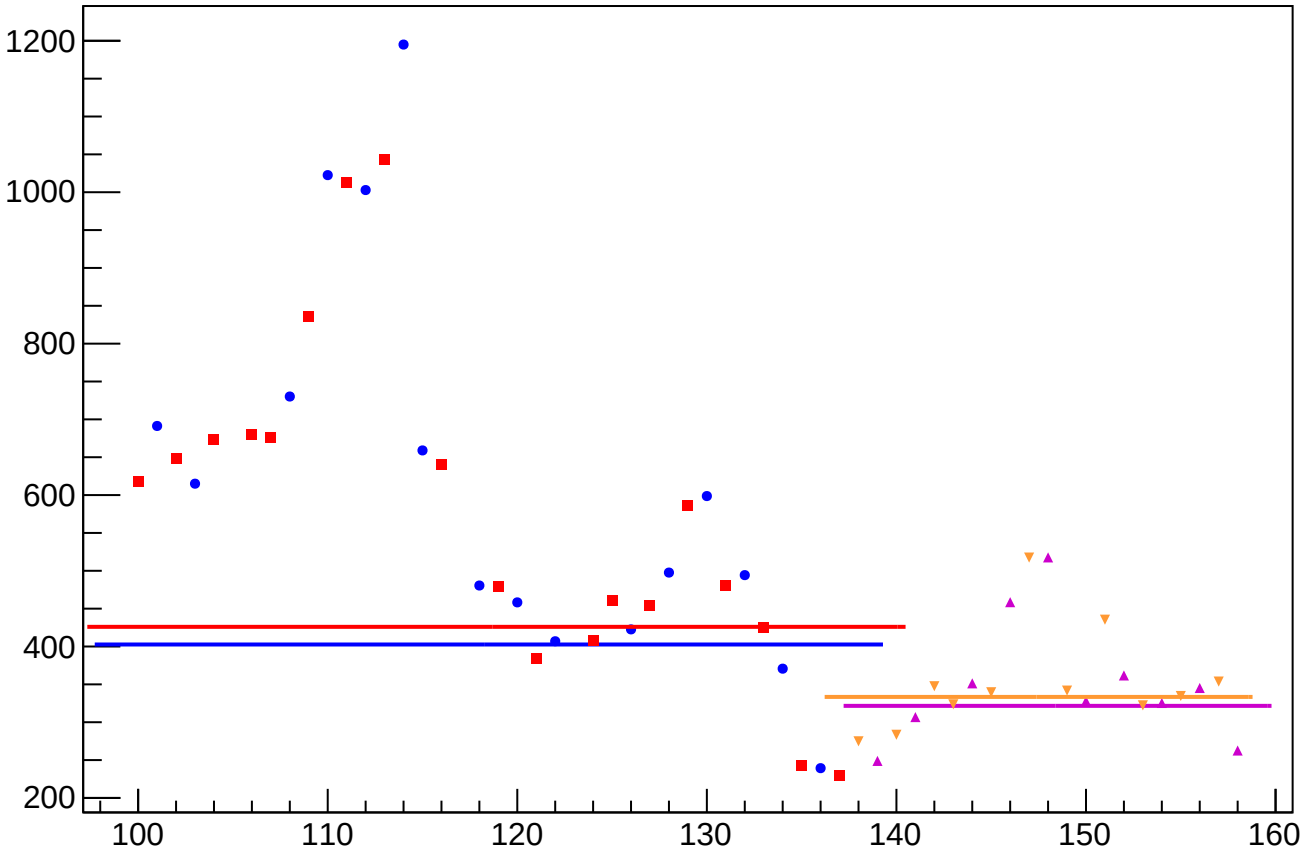
Left: 11.811+/-80.142 χ^2/NDF: 31.6/20

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -110.731+/-92.226 χ^2/NDF:27.3/25

Out: -3.202+/-95.409 χ^2/NDF:32.1/29

All: -58.790+/-66.310 χ^2/NDF: 60.0/55



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 333.424+/-0.081 χ^2/NDF:427097.2/10

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 321.618+/-0.079 χ^2/NDF:666783.2/9

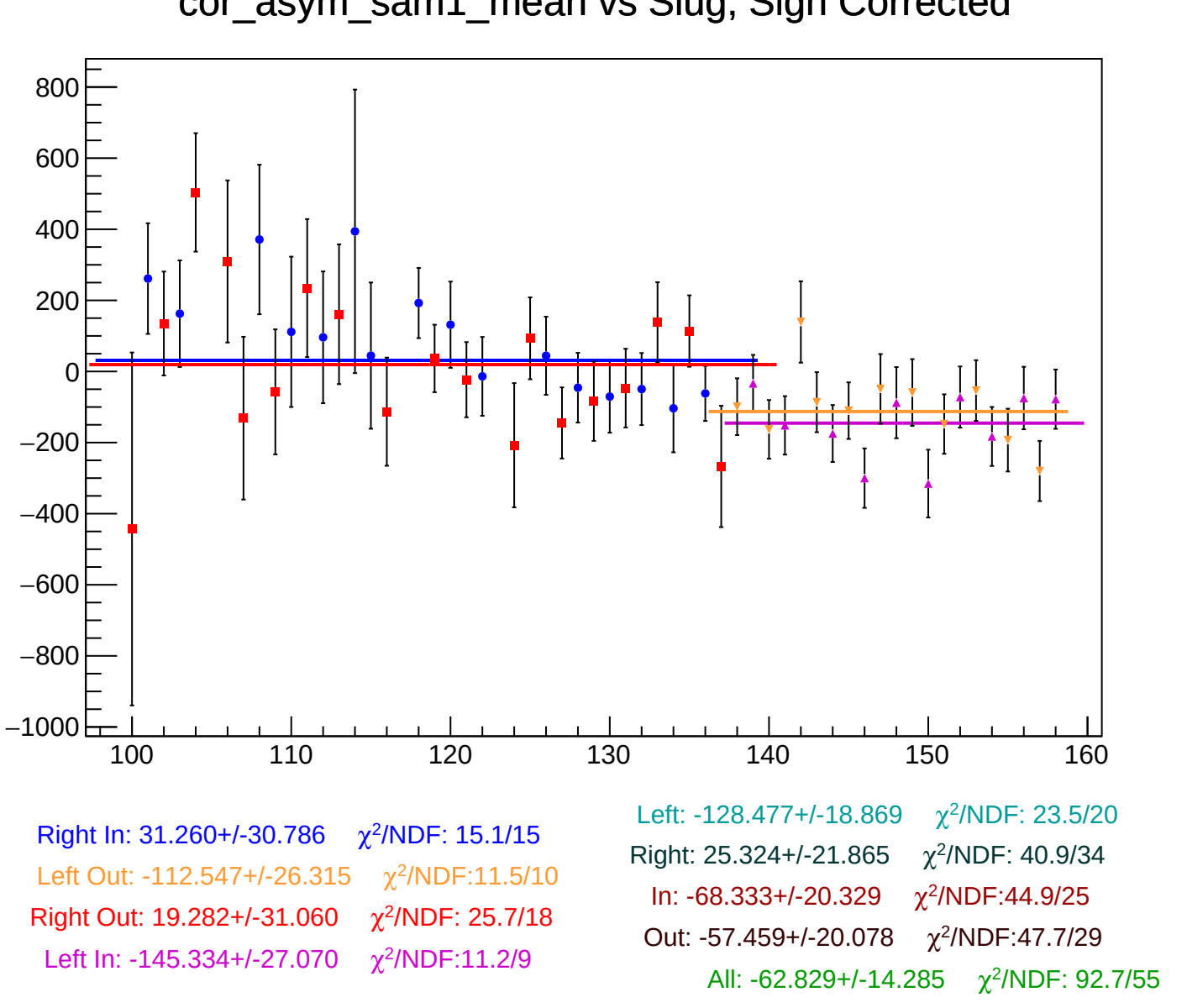
Left: 327.337+/-0.057 χ^2/NDF: 1104720.1/20

Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

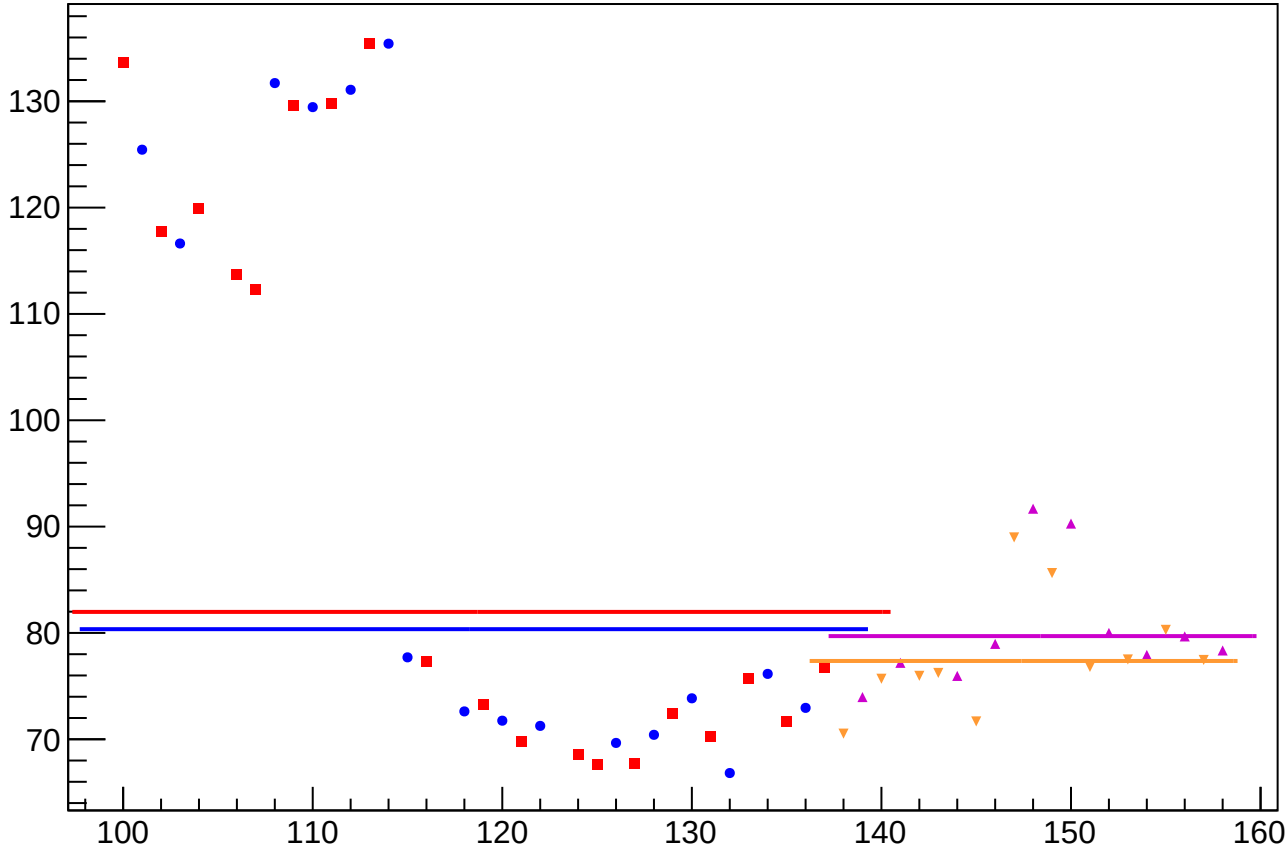
In: 347.320+/-0.065 χ^2/NDF:3361305.6/25

Out: 362.443+/-0.067 χ^2/NDF:3200979.2/29

All: 354.625+/-0.047 χ^2/NDF: 6588260.4/55


cor_asym_sam1_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 31.260+/-30.786 χ²/NDF: 15.1/15
Left Out: -112.547+/-26.315 χ²/NDF:11.5/10
Right Out: 19.282+/-31.060 χ²/NDF: 25.7/18
Left In: -145.334+/-27.070 χ²/NDF:11.2/9
Left: -128.477+/-18.869 χ²/NDF: 23.5/20
Right: 25.324+/-21.865 χ²/NDF: 40.9/34
In: -68.333+/-20.329 χ²/NDF:44.9/25
Out: -57.459+/-20.078 χ²/NDF:47.7/29
All: -62.829+/-14.285 χ²/NDF: 92.7/55

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.363+/-0.019 χ^2/NDF:72294.6/10

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

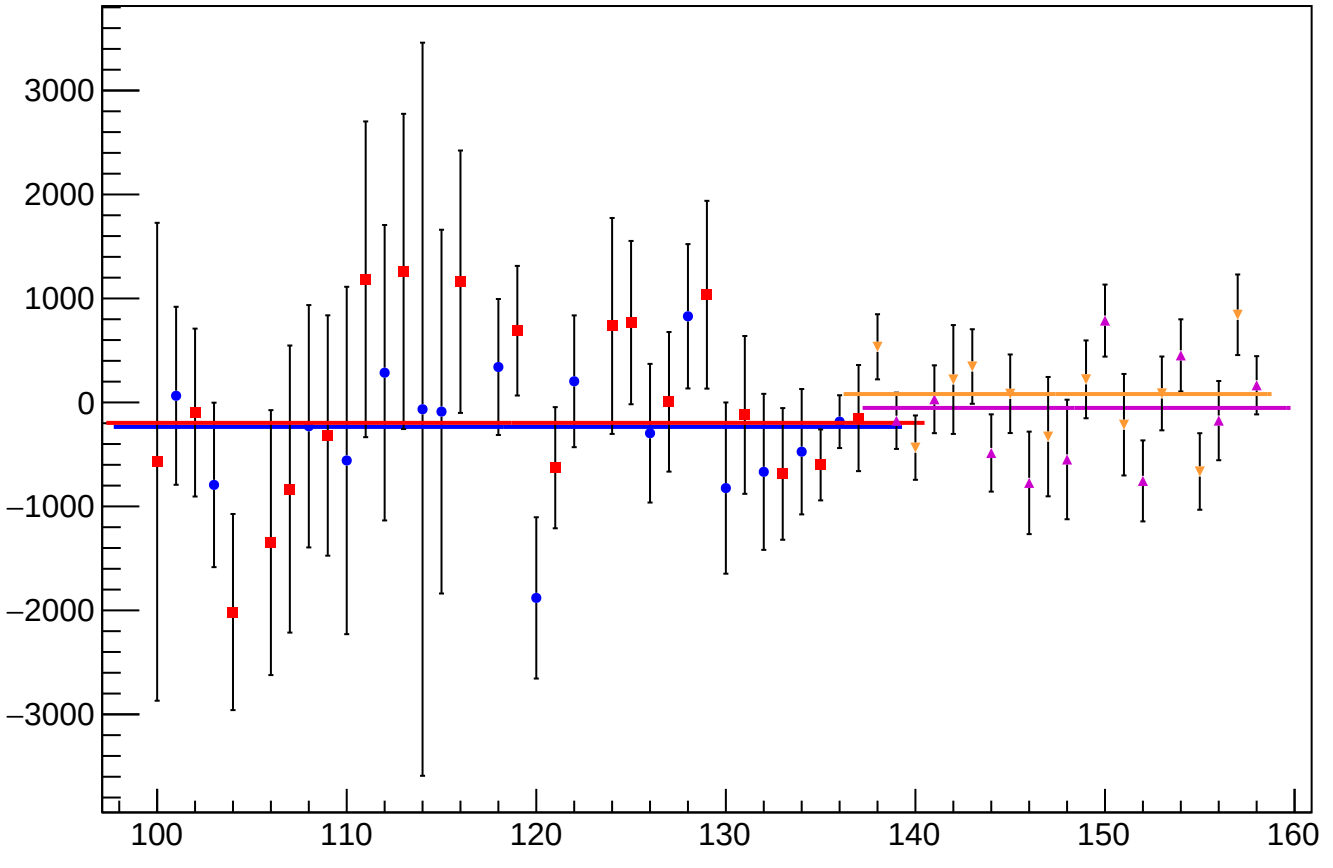
Left: 78.500+/-0.013 χ^2/NDF: 151278.2/20

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.986+/-0.014 χ^2/NDF:911853.6/25

Out: 79.292+/-0.014 χ^2/NDF:1028458.7/29

All: 79.635+/-0.010 χ^2/NDF: 1941494.6/55



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 80.565+/-115.153 χ^2/NDF:14.5/10

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -52.777+/-111.606 χ^2/NDF:16.5/9

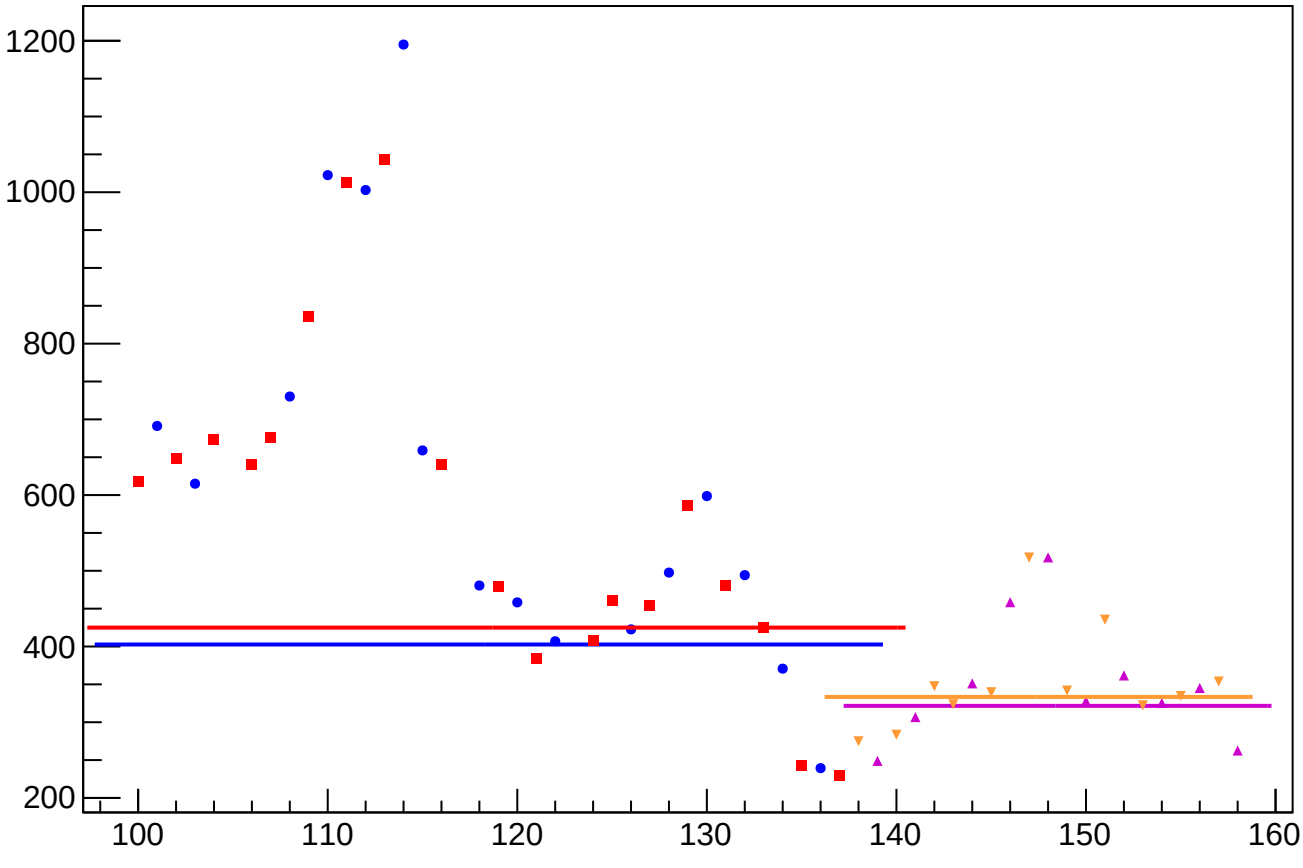
Left: 11.809+/-80.142 χ^2/NDF: 31.6/20

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -110.733+/-92.226 χ^2/NDF:27.3/25

Out: -6.257+/-95.426 χ^2/NDF:32.9/29

All: -60.277+/-66.316 χ^2/NDF: 60.8/55



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 333.424+/-0.081 χ^2/NDF:427102.8/10

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 321.619+/-0.079 χ^2/NDF:666783.4/9

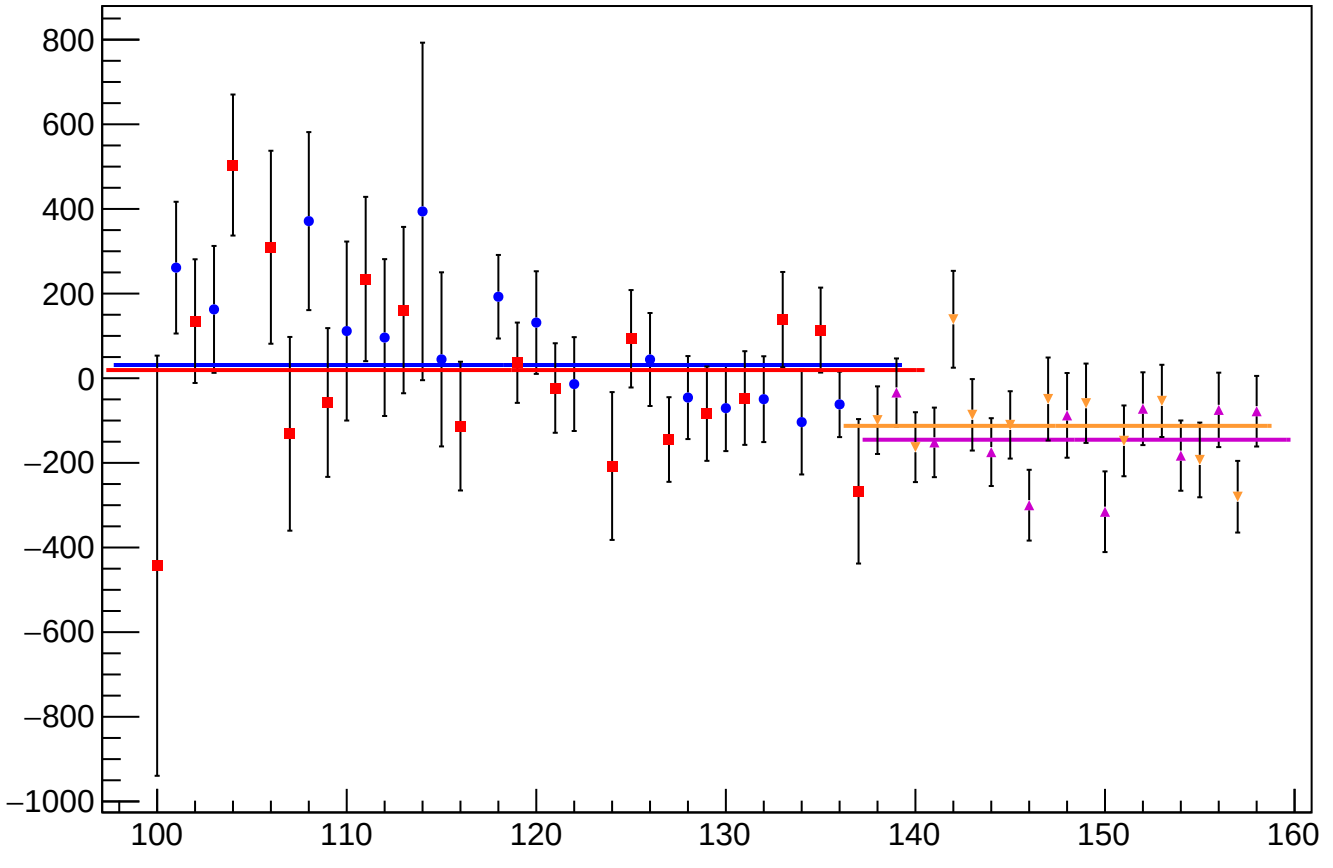
Left: 327.337+/-0.057 χ^2/NDF: 1104725.2/20

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 347.320+/-0.065 χ^2/NDF:3361300.6/25

Out: 362.109+/-0.067 χ^2/NDF:3164271.3/29

All: 354.462+/-0.047 χ^2/NDF: 6550408.1/55



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -112.547+/-26.315 χ^2/NDF:11.5/10

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -145.334+/-27.070 χ^2/NDF:11.2/9

Left: -128.477+/-18.869 χ^2/NDF: 23.5/20

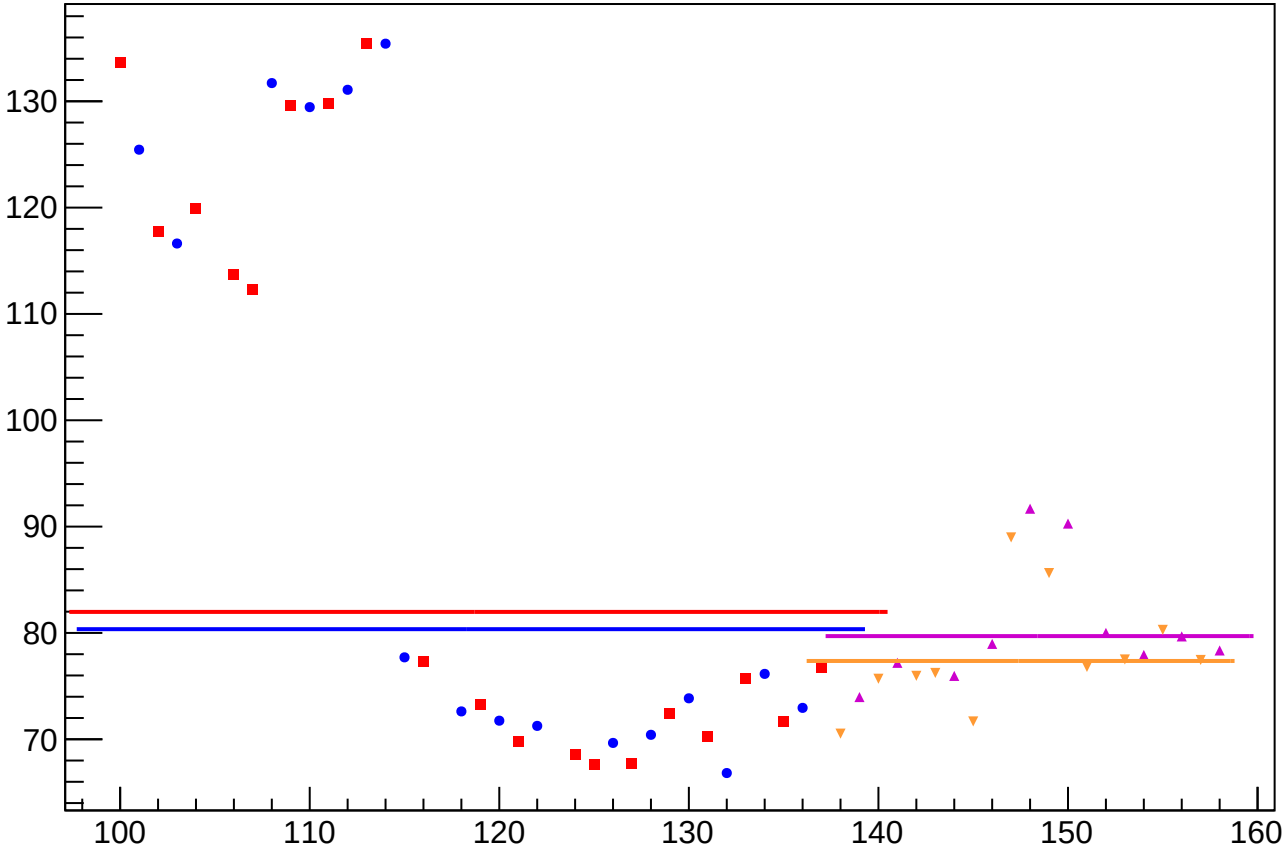
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -68.333+/-20.329 χ^2/NDF:44.9/25

Out: -57.459+/-20.078 χ^2/NDF:47.7/29

All: -62.829+/-14.285 χ^2/NDF: 92.7/55

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.363+/-0.019 χ^2/NDF:72294.6/10

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

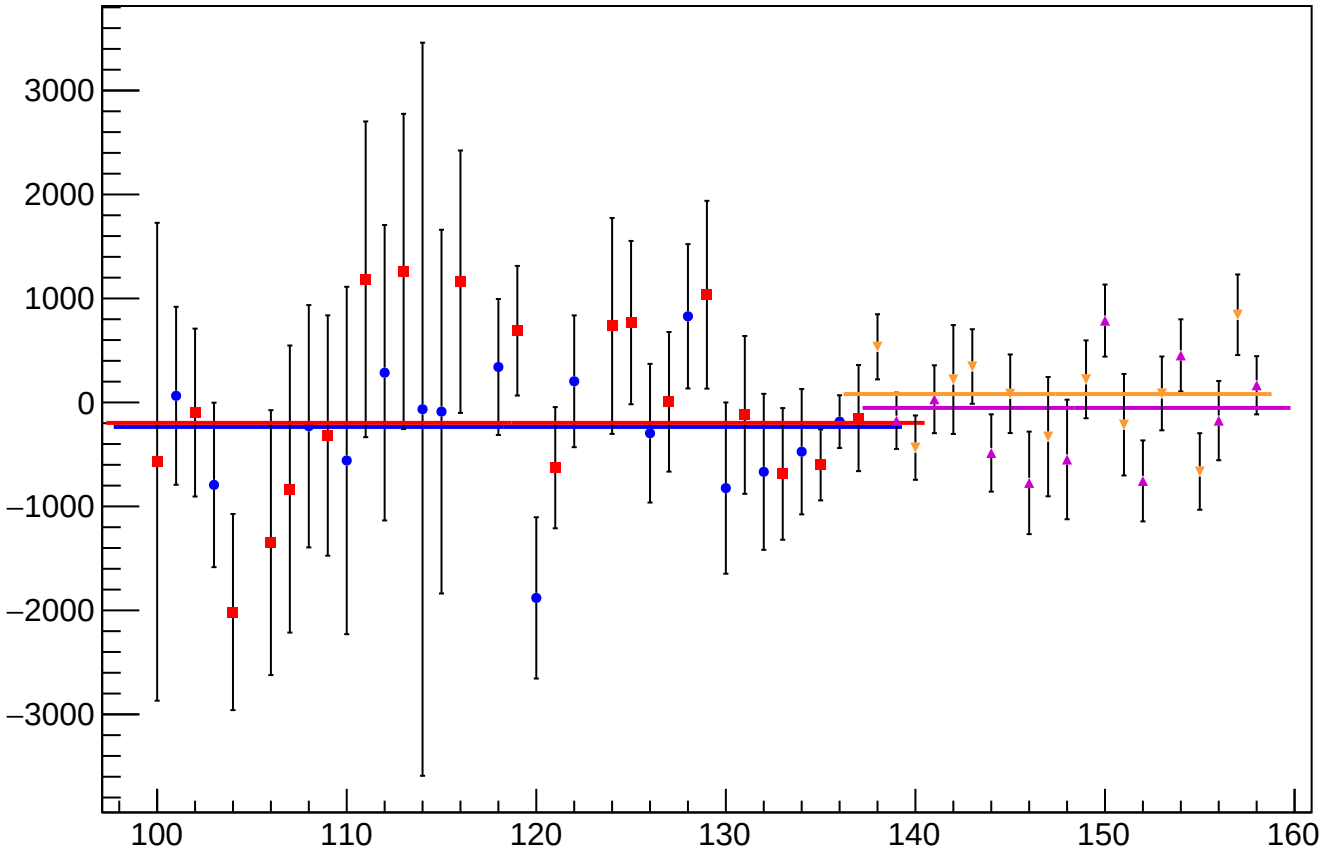
Left: 78.500+/-0.013 χ^2/NDF: 151278.2/20

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.986+/-0.014 χ^2/NDF:911853.6/25

Out: 79.292+/-0.014 χ^2/NDF:1028458.7/29

All: 79.635+/-0.010 χ^2/NDF: 1941494.6/55



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 80.565+/-115.153 χ^2/NDF:14.5/10

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -52.777+/-111.606 χ^2/NDF:16.5/9

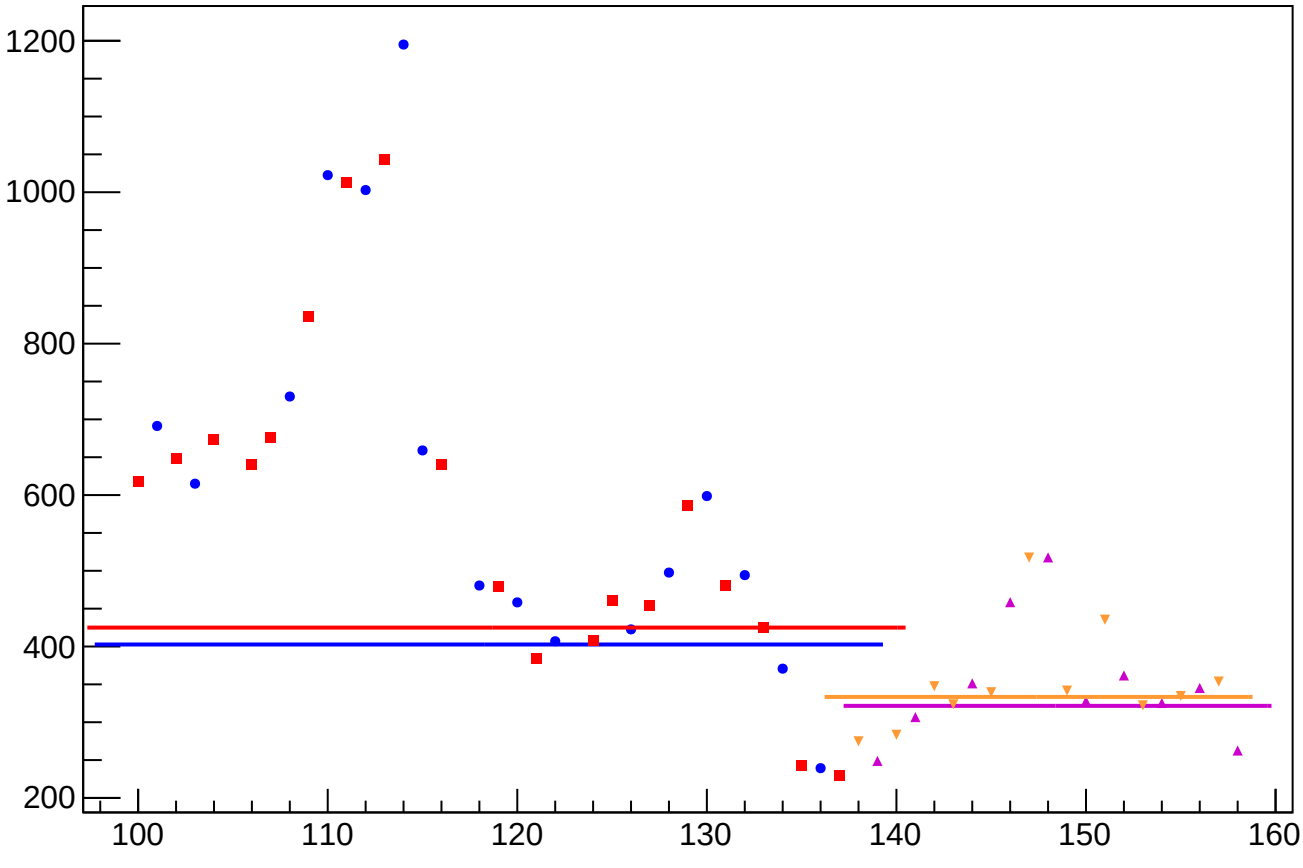
Left: 11.809+/-80.142 χ^2/NDF: 31.6/20

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -110.733+/-92.226 χ^2/NDF:27.3/25

Out: -6.257+/-95.426 χ^2/NDF:32.9/29

All: -60.277+/-66.316 χ^2/NDF: 60.8/55



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 333.424+/-0.081 χ^2/NDF:427102.8/10

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 321.619+/-0.079 χ^2/NDF:666783.4/9

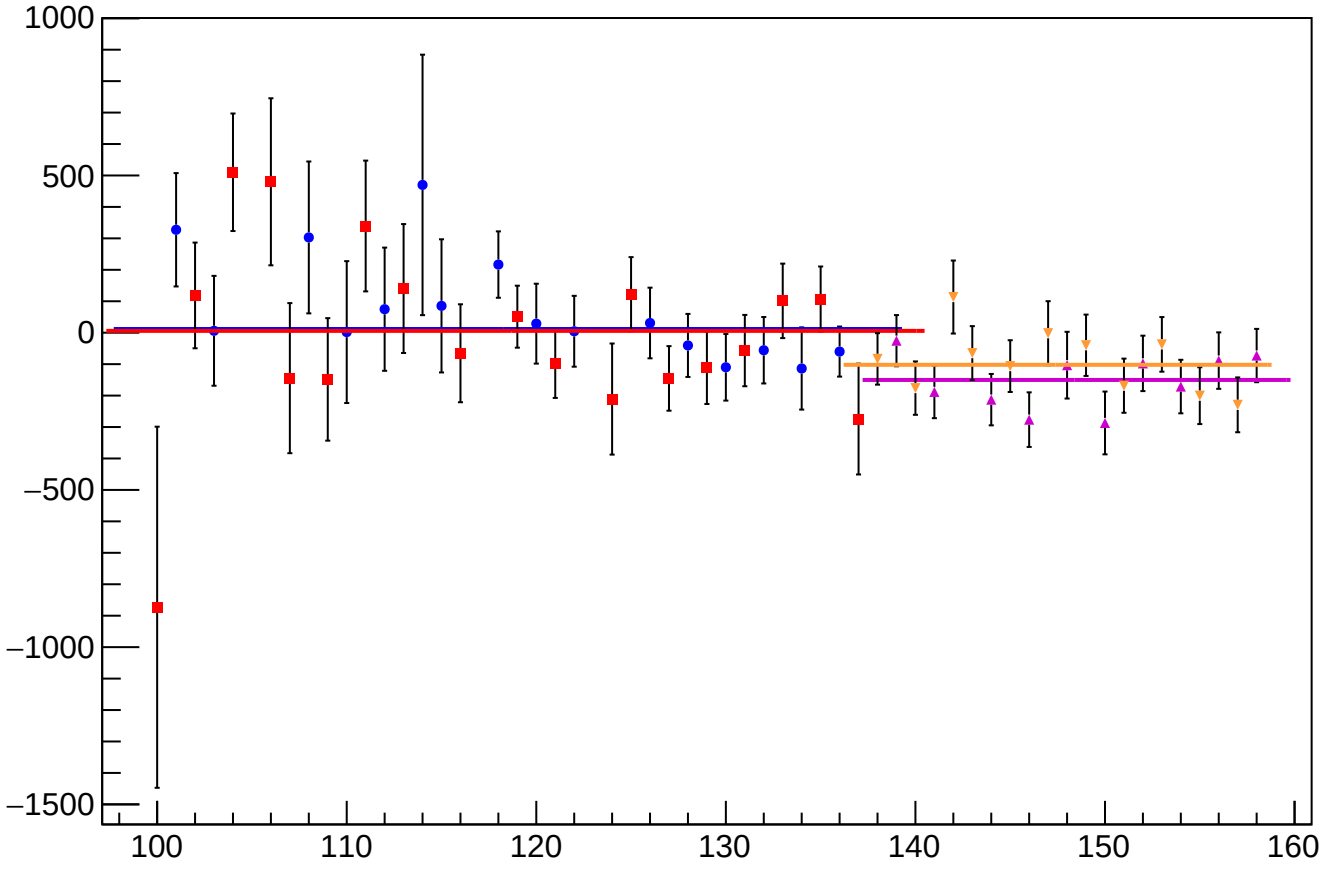
Left: 327.337+/-0.057 χ^2/NDF: 1104725.2/20

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 347.320+/-0.065 χ^2/NDF:3361300.6/25

Out: 362.109+/-0.067 χ^2/NDF:3164271.3/29

All: 354.462+/-0.047 χ^2/NDF: 6550408.1/55



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -102.097+/-27.032 χ^2/NDF:10.3/10

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -150.256+/-27.783 χ^2/NDF:9.1/9

Left: -125.517+/-19.374 χ^2/NDF: 20.9/20

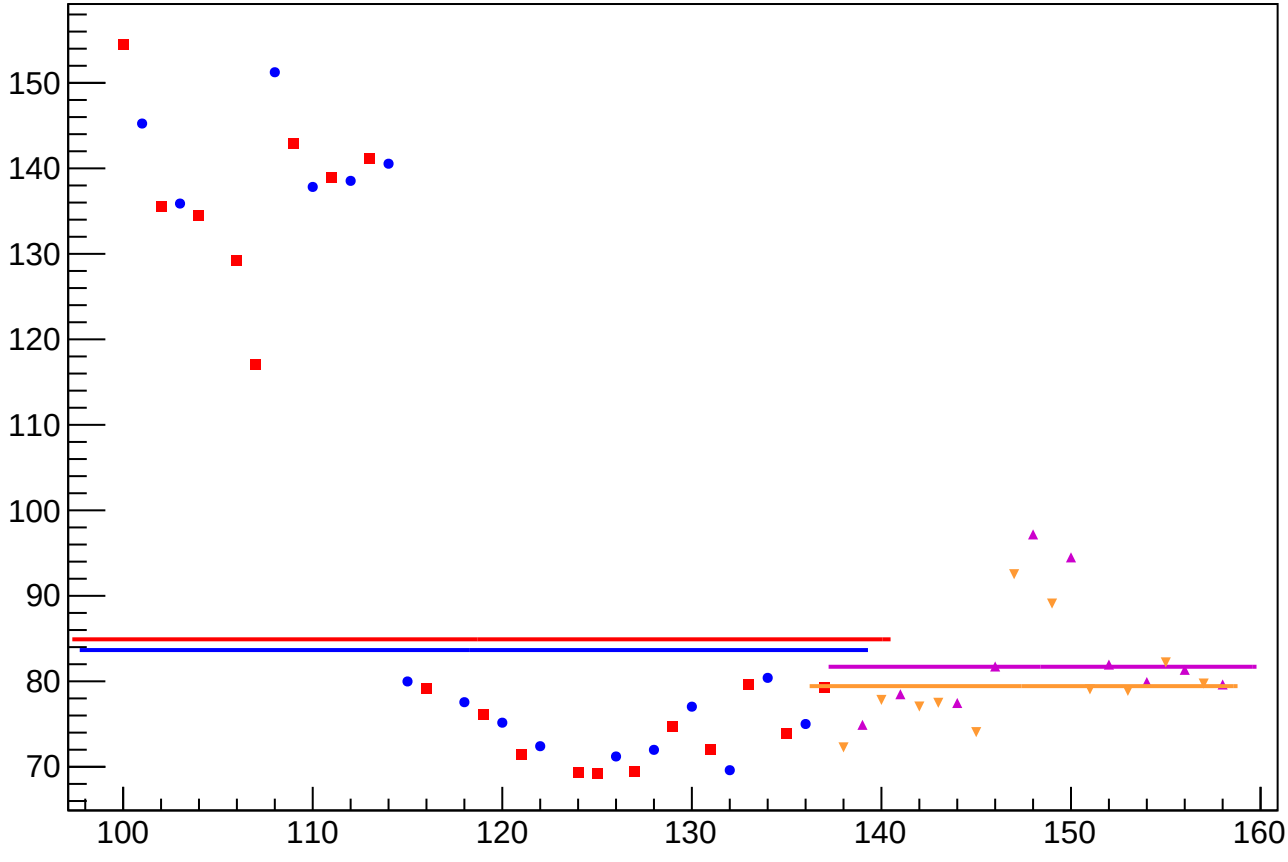
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -81.400+/-21.062 χ^2/NDF:37.0/25

Out: -57.879+/-20.768 χ^2/NDF:45.6/29

All: -69.474+/-14.788 χ^2/NDF: 83.3/55

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.436+/-0.019 χ^2/NDF:81096.3/10

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.704+/-0.020 χ^2/NDF:99813.4/9

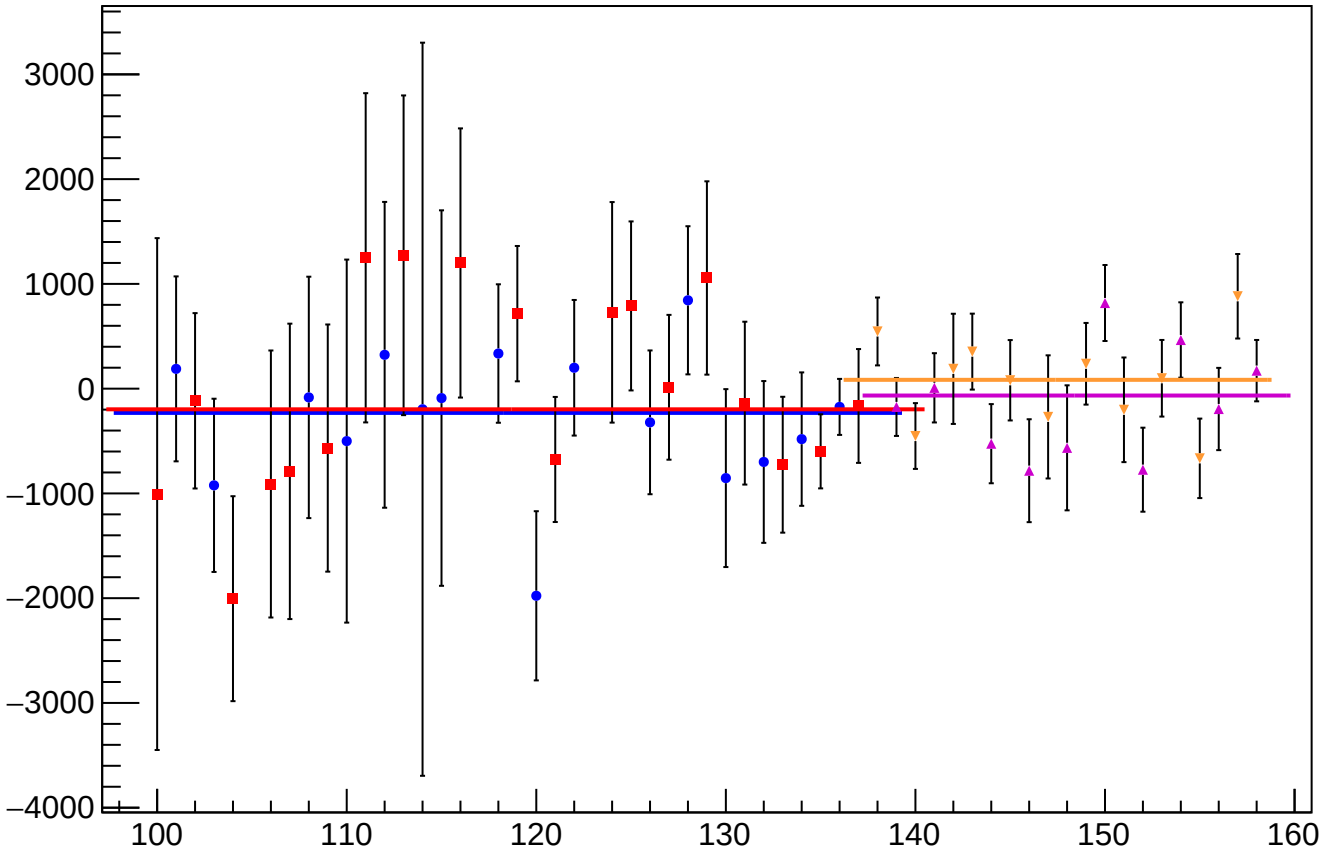
Left: 80.539+/-0.014 χ^2/NDF: 187753.7/20

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.535+/-0.015 χ^2/NDF:1138811.1/25

Out: 81.680+/-0.015 χ^2/NDF:1236402.4/29

All: 82.102+/-0.010 χ^2/NDF: 2376881.1/55



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 84.257+/-118.059 χ^2/NDF:14.2/10

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -65.630+/-114.803 χ^2/NDF:16.5/9

Left: 7.218+/-82.305 χ^2/NDF: 31.5/20

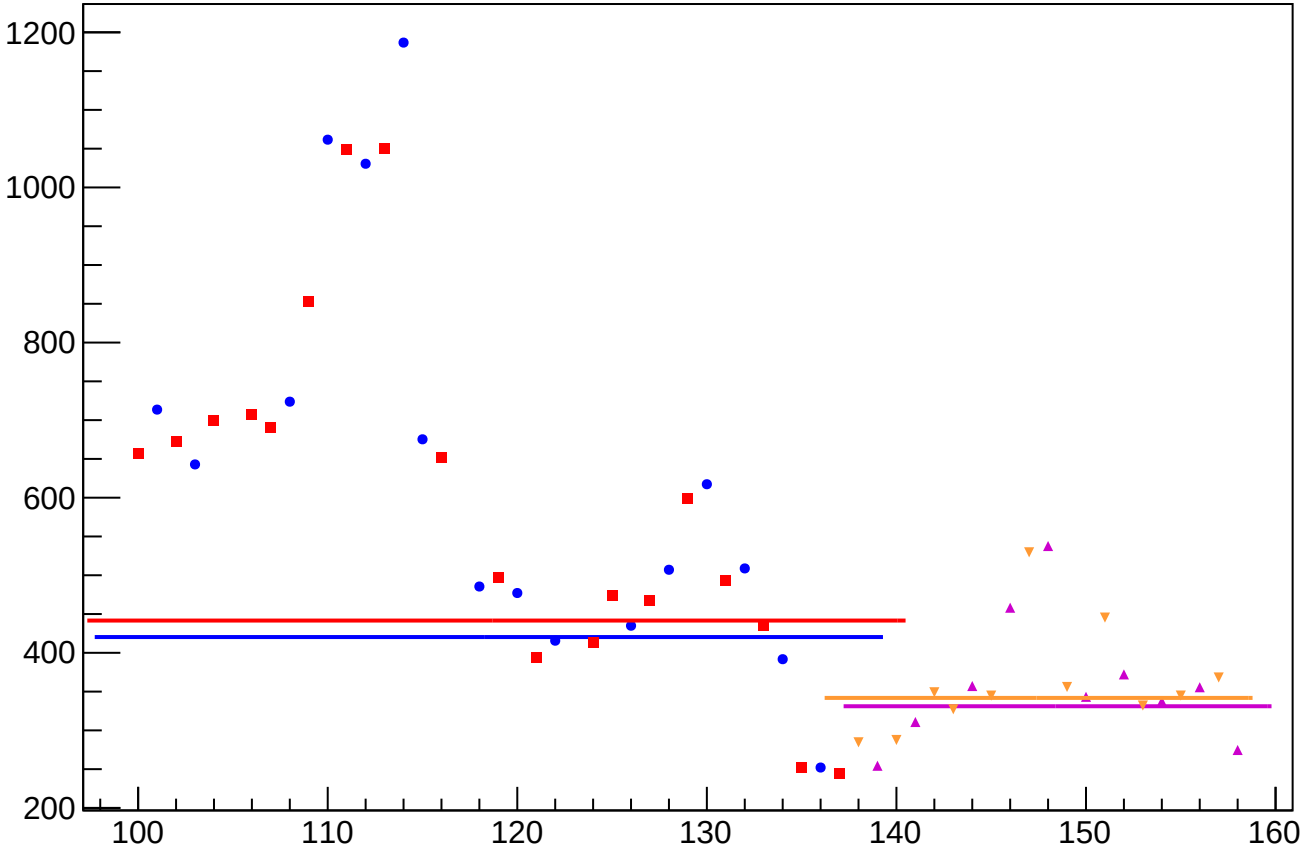
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -117.497+/-95.164 χ^2/NDF:27.6/25

Out: -3.026+/-98.060 χ^2/NDF:31.9/29

All: -61.977+/-68.292 χ^2/NDF: 60.1/55

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 341.868+/-0.083 χ^2/NDF:428583.7/10

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 331.114+/-0.081 χ^2/NDF:650193.6/9

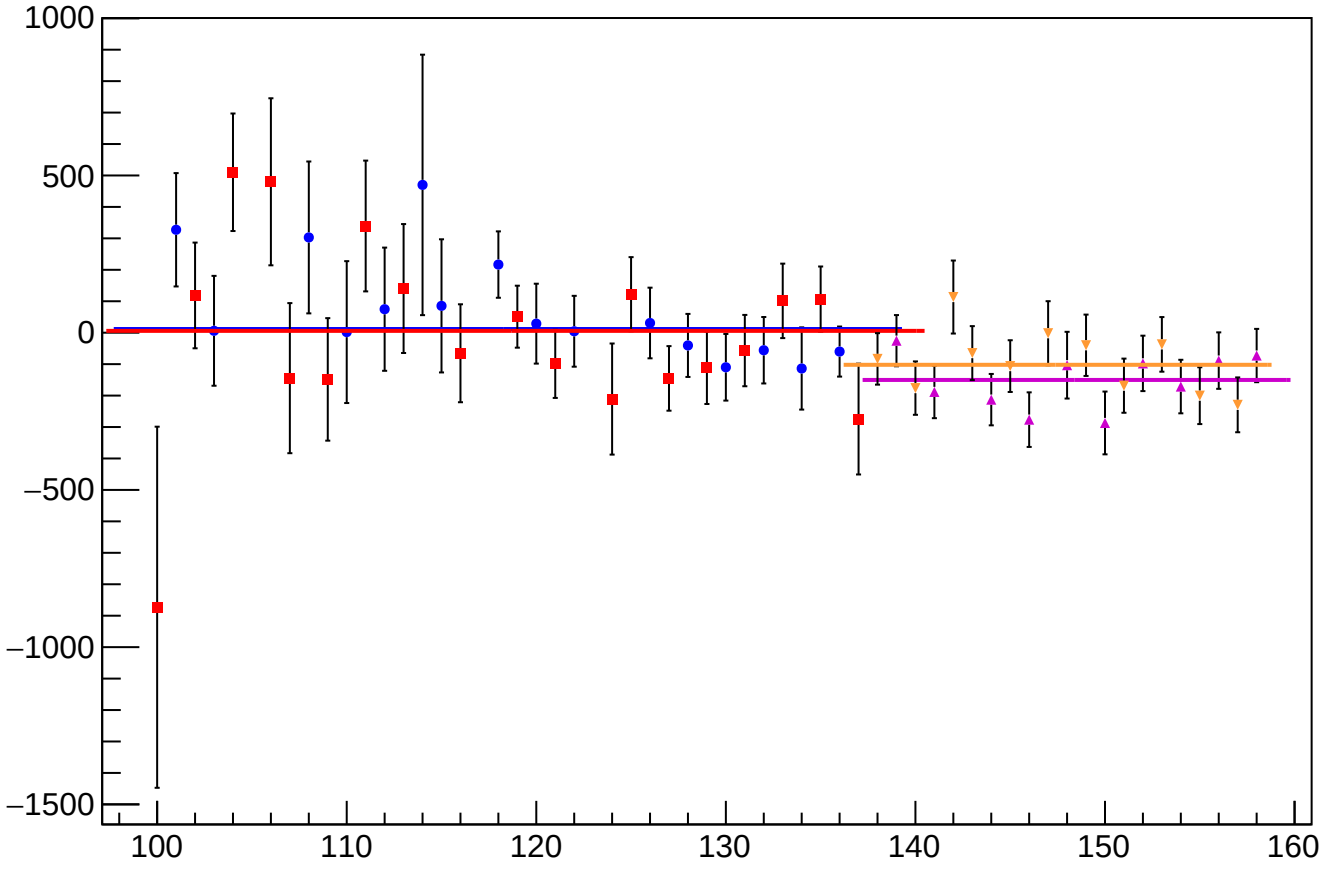
Left: 336.341+/-0.058 χ^2/NDF: 1087306.8/20

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 359.027+/-0.067 χ^2/NDF:3282698.4/25

Out: 372.795+/-0.069 χ^2/NDF:3178746.3/29

All: 365.705+/-0.048 χ^2/NDF: 6481748.1/55



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -102.096+/-27.032 χ^2/NDF:10.3/10

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -150.256+/-27.783 χ^2/NDF:9.1/9

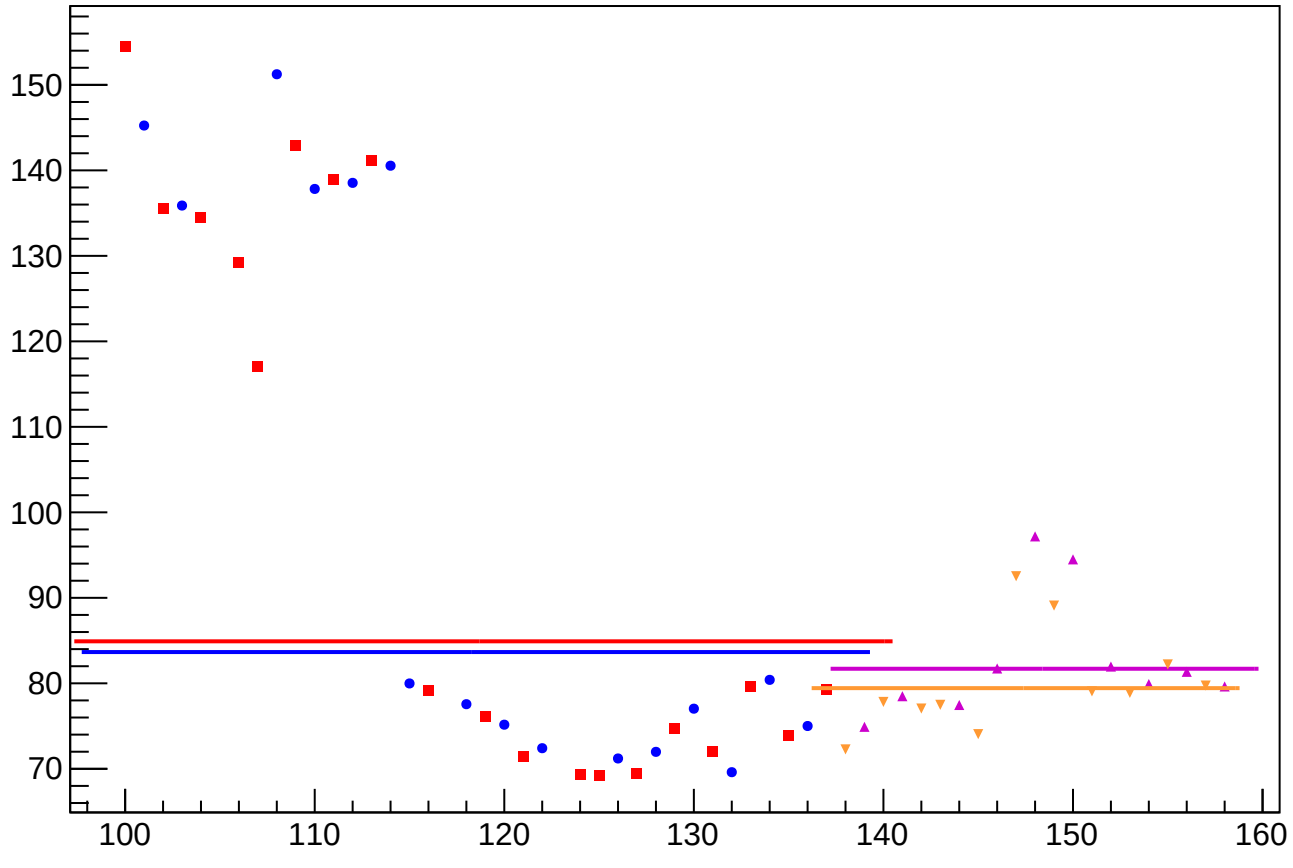
Left: -125.517+/-19.374 χ^2/NDF: 20.9/20

Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -81.399+/-21.062 χ^2/NDF:37.0/25

Out: -57.879+/-20.768 χ^2/NDF:45.6/29

All: -69.474+/-14.788 χ^2/NDF: 83.3/55



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.436+/-0.019 χ^2/NDF:81095.9/10

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.704+/-0.020 χ^2/NDF:99812.7/9

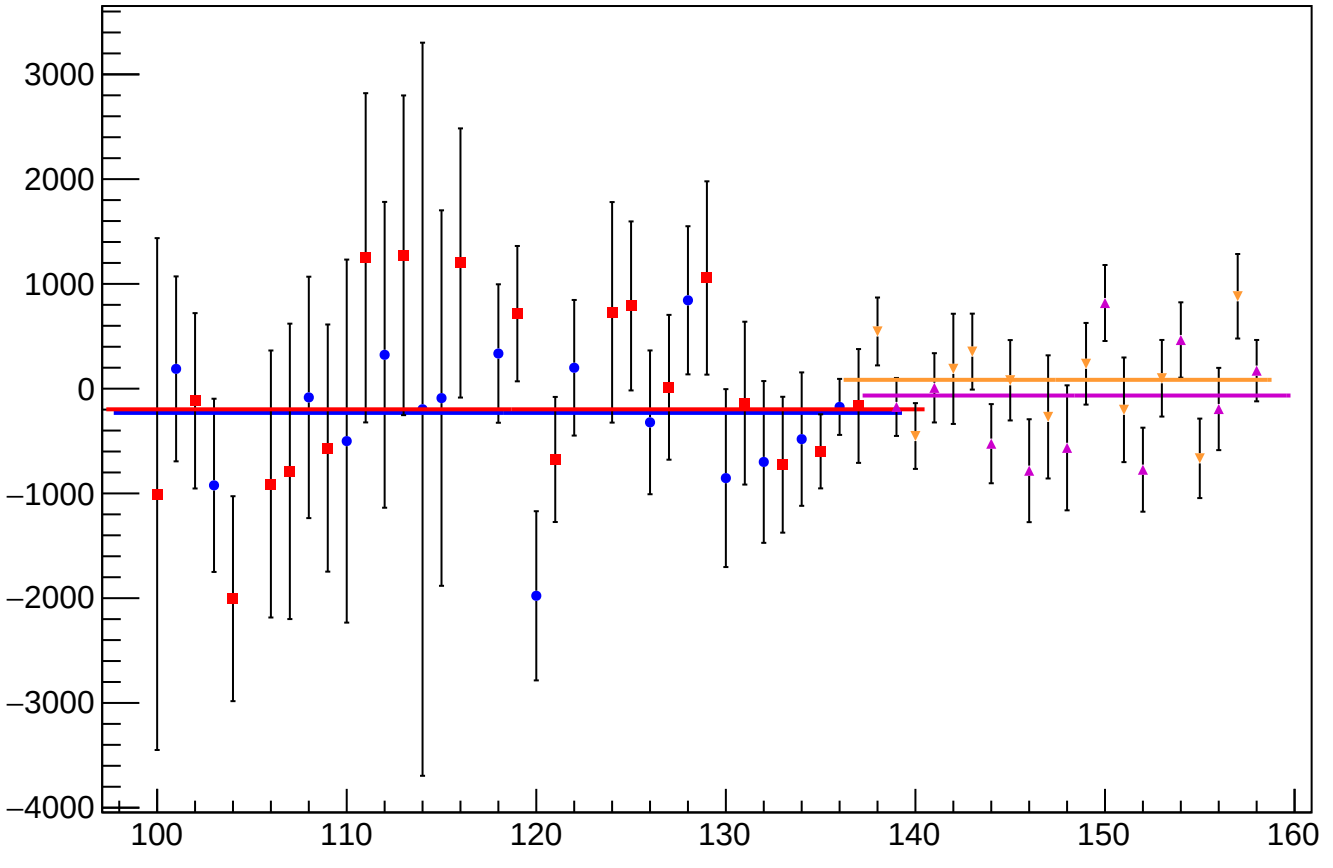
Left: 80.539+/-0.014 χ^2/NDF: 187752.5/20

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.535+/-0.015 χ^2/NDF:1138809.6/25

Out: 81.680+/-0.015 χ^2/NDF:1236400.0/29

All: 82.102+/-0.010 χ^2/NDF: 2376877.2/55



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 84.257+/-118.059 χ^2/NDF:14.2/10

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -65.630+/-114.803 χ^2/NDF:16.5/9

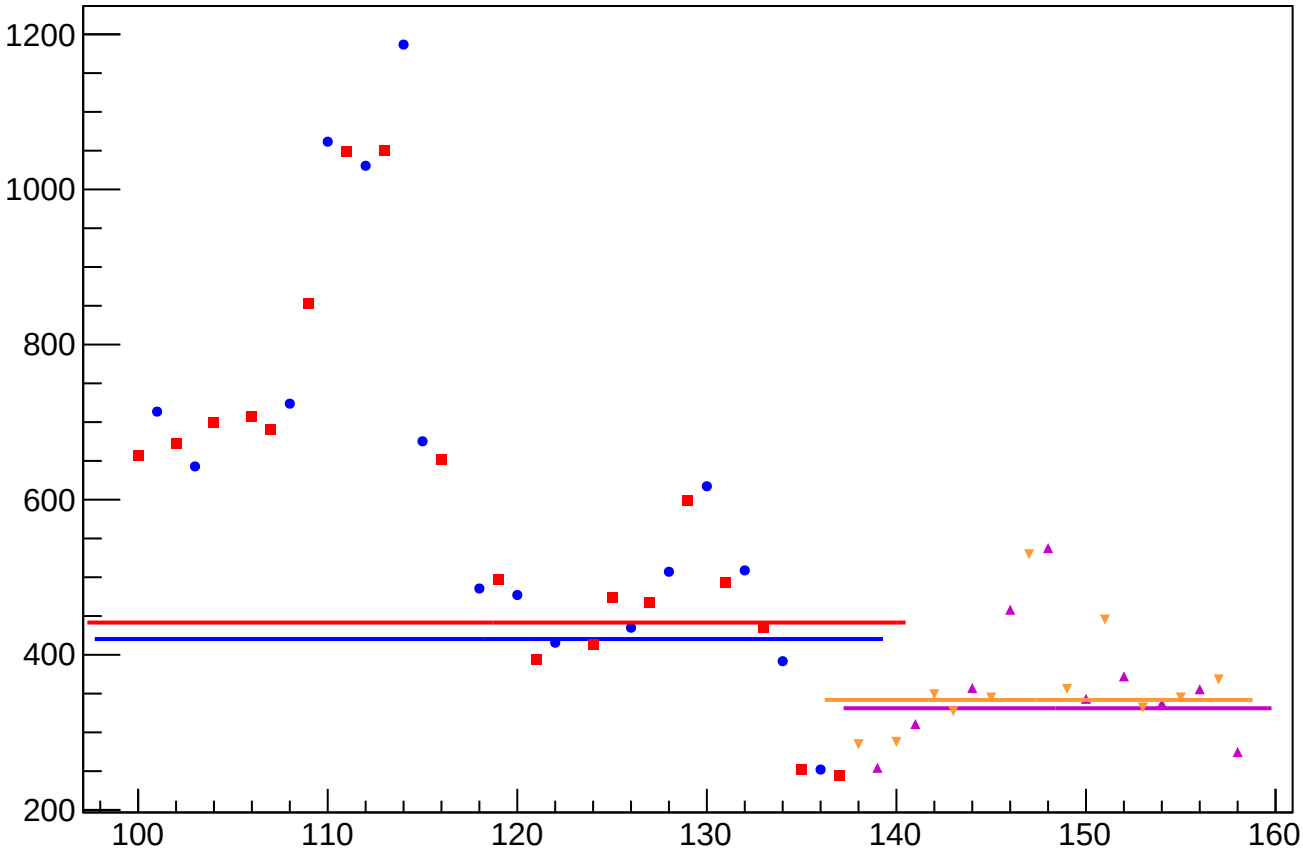
Left: 7.218+/-82.305 χ^2/NDF: 31.5/20

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -117.496+/-95.164 χ^2/NDF:27.6/25

Out: -3.026+/-98.060 χ^2/NDF:31.9/29

All: -61.977+/-68.292 χ^2/NDF: 60.1/55



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 341.868+/-0.083 χ^2/NDF:428583.8/10

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 331.114+/-0.081 χ^2/NDF:650195.3/9

Left: 336.340+/-0.058 χ^2/NDF: 1087308.8/20

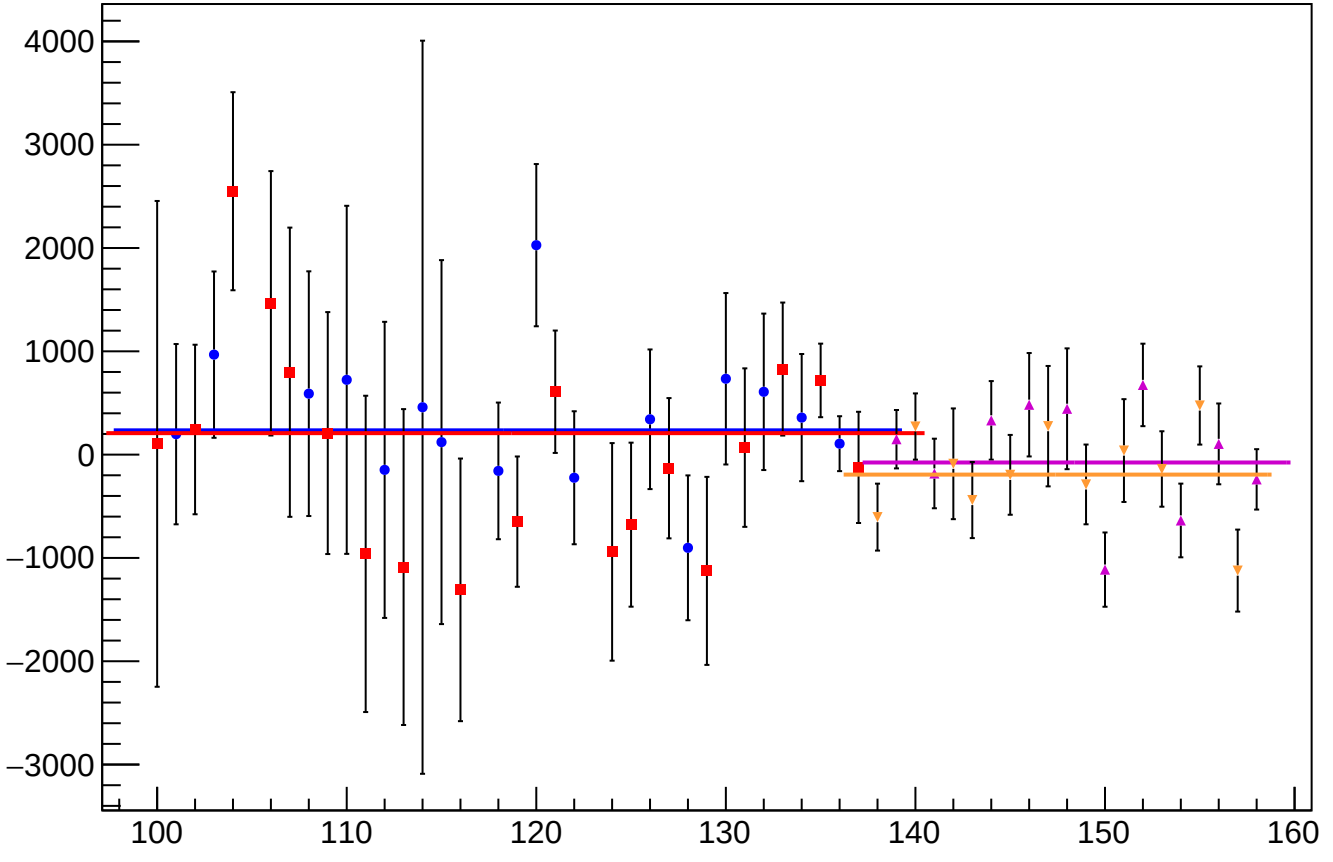
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 359.027+/-0.067 χ^2/NDF:3282701.9/25

Out: 372.794+/-0.069 χ^2/NDF:3178748.0/29

All: 365.704+/-0.048 χ^2/NDF: 6481753.3/55

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -193.325+/-118.403 χ^2/NDF:13.8/10

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -76.174+/-115.252 χ^2/NDF:18.8/9

Left: -133.170+/-82.587 χ^2/NDF: 33.0/20

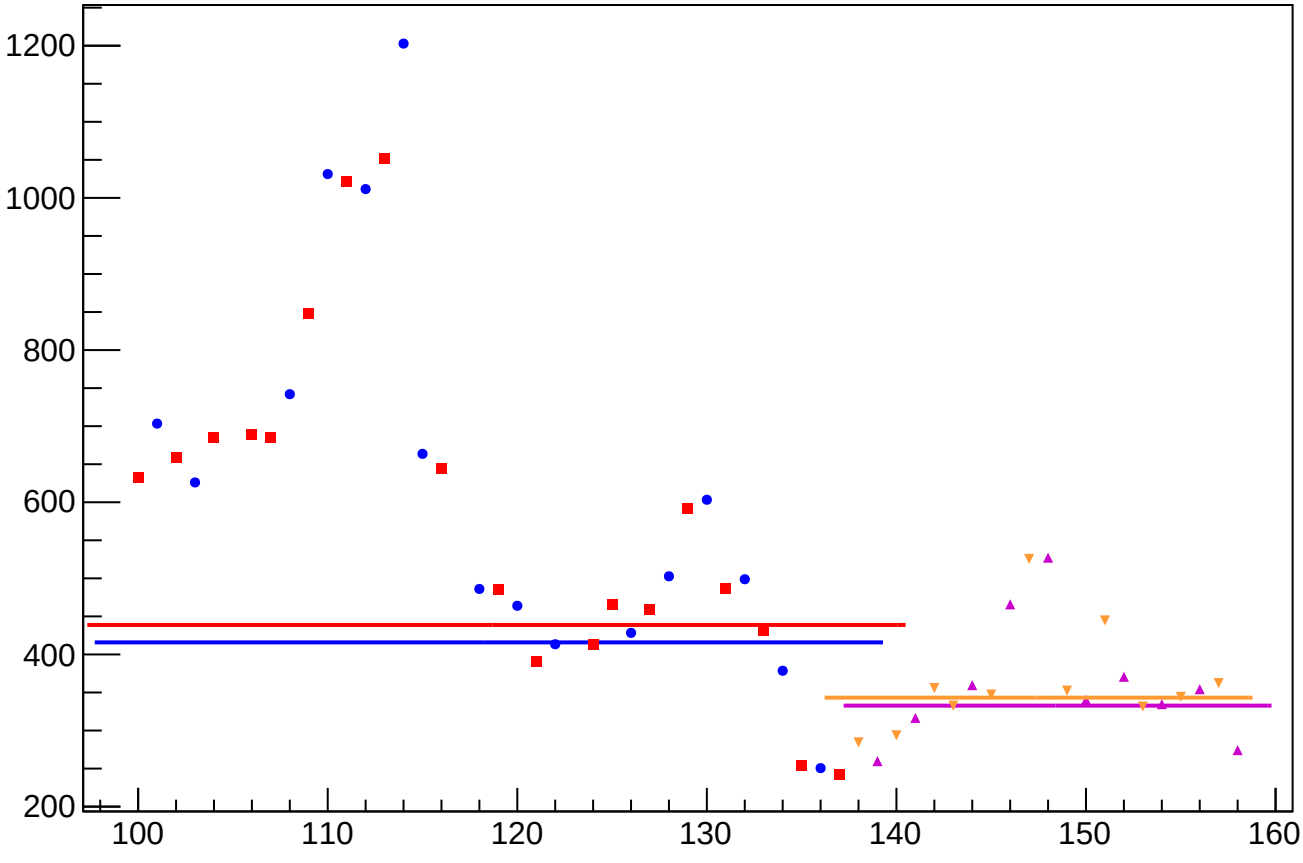
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 23.265+/-95.074 χ^2/NDF:31.8/25

Out: -67.039+/-98.016 χ^2/NDF:37.7/29

All: -20.511+/-68.244 χ^2/NDF: 70.0/55

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 343.224+/-0.084 χ^2/NDF:403331.6/10

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 332.729+/-0.081 χ^2/NDF:615743.3/9

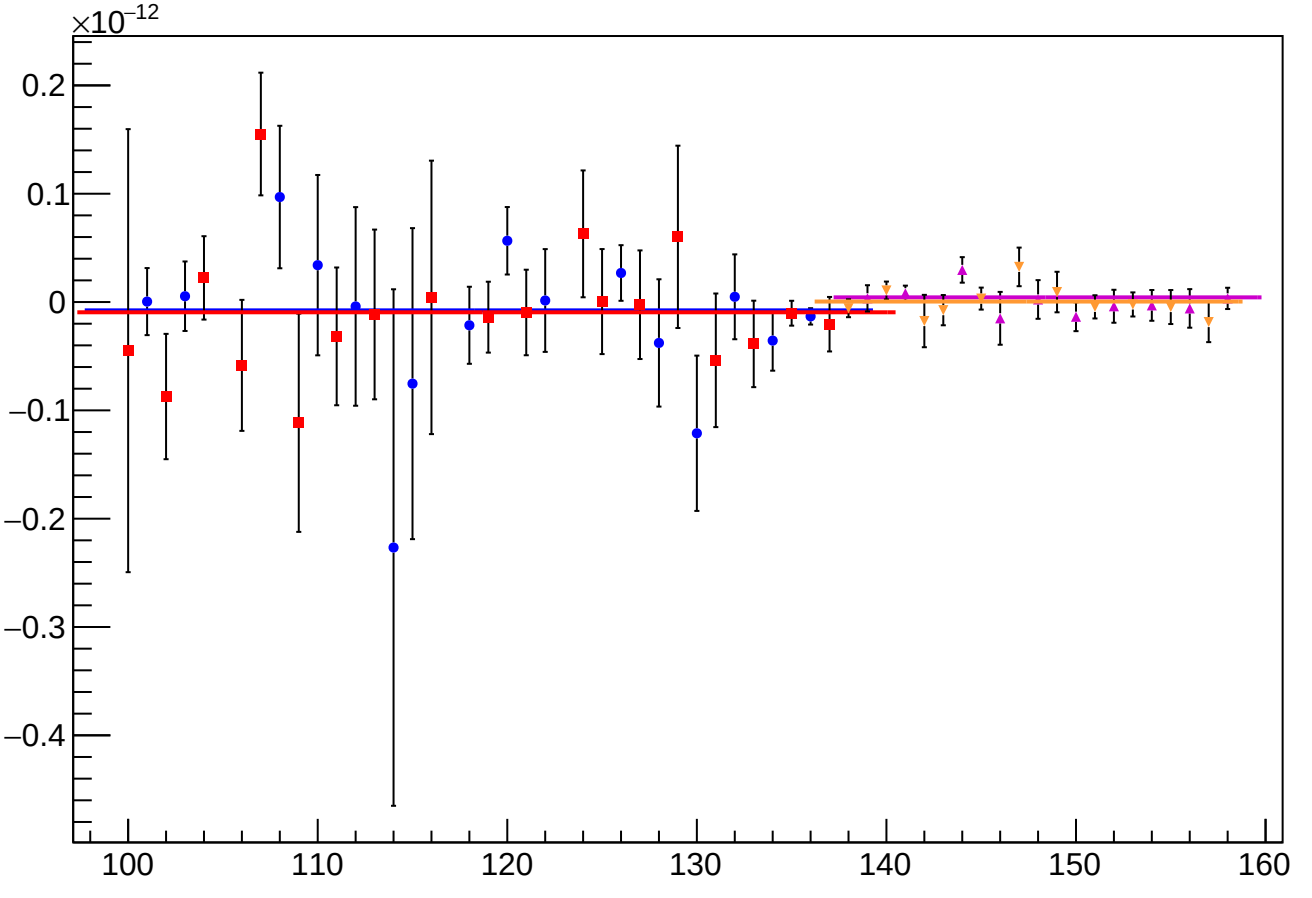
Left: 337.835+/-0.058 χ^2/NDF: 1027143.5/20

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 359.283+/-0.067 χ^2/NDF:3171988.8/25

Out: 373.295+/-0.069 χ^2/NDF:3048016.8/29

All: 366.076+/-0.048 χ^2/NDF: 6241065.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/9

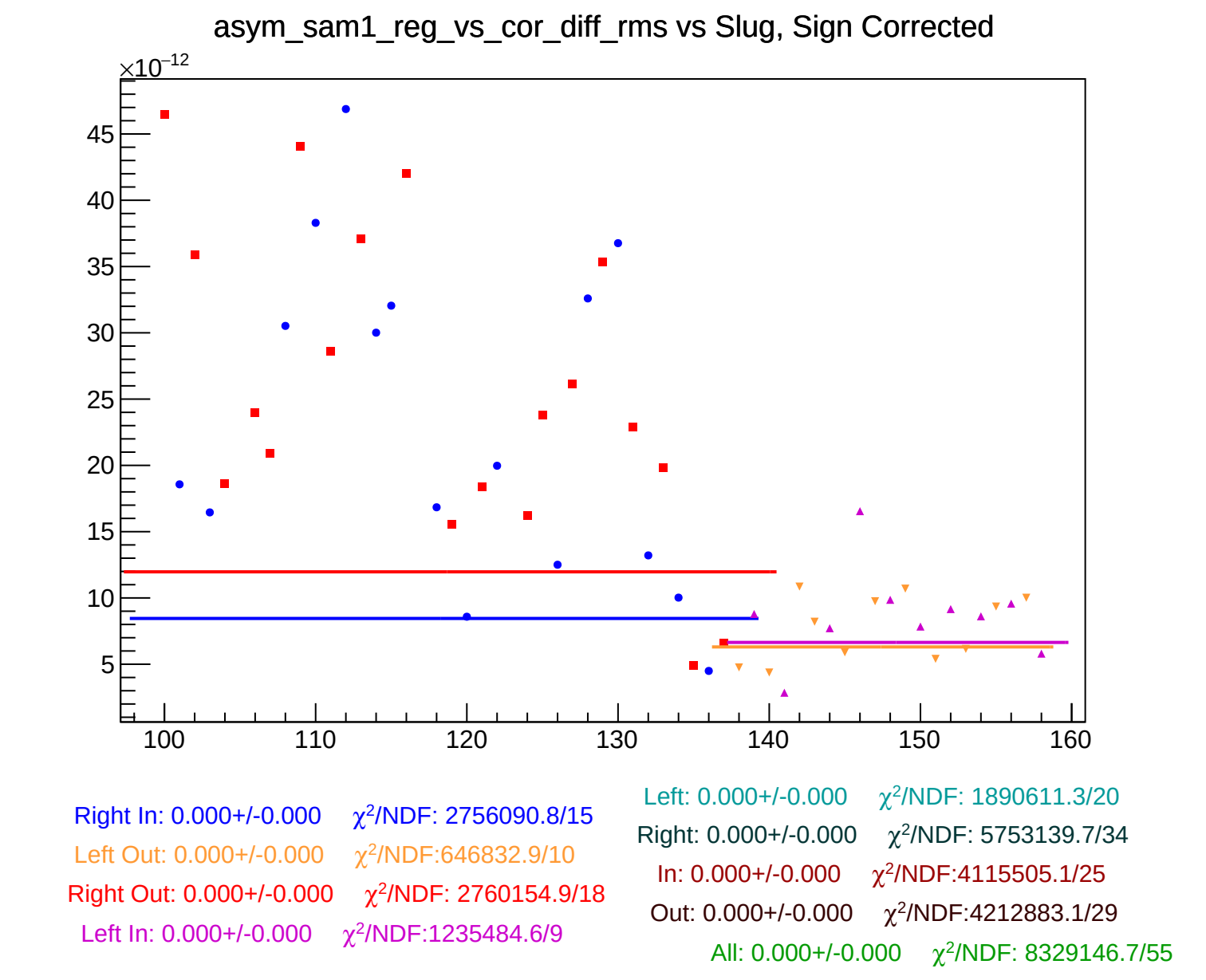
Left: 0.000+/-0.000 χ^2/NDF: 16.7/20

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.8/25

Out: -0.000+/-0.000 χ^2/NDF:25.5/29

All: -0.000+/-0.000 χ^2/NDF: 51.4/55


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
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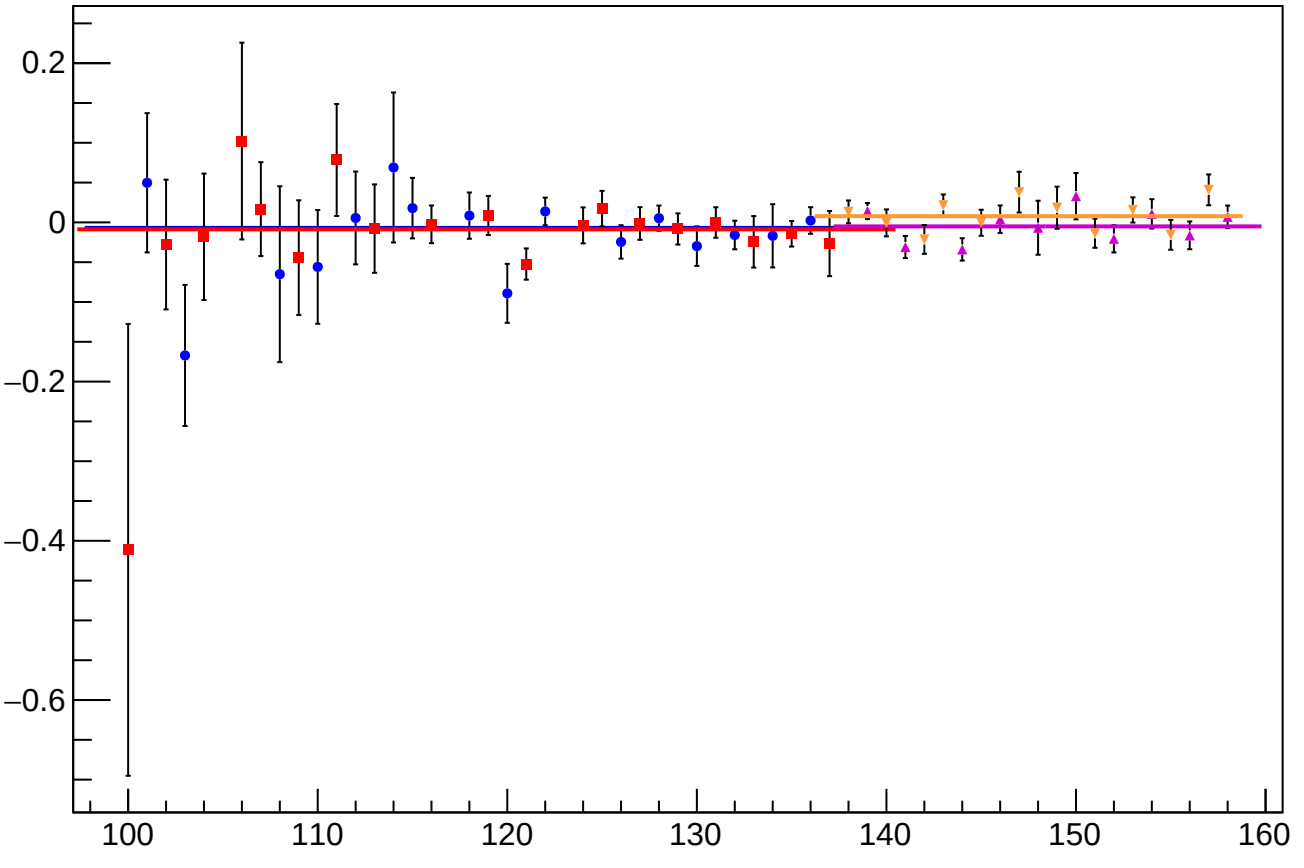
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:646832.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1235484.6/9
Left: 0.000+/-0.000 χ²/NDF: 1890611.3/20
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4115505.1/25
Out: 0.000+/-0.000 χ²/NDF:4212883.1/29
All: 0.000+/-0.000 χ²/NDF: 8329146.7/55



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.005+/-0.005 χ^2/NDF:16.1/9

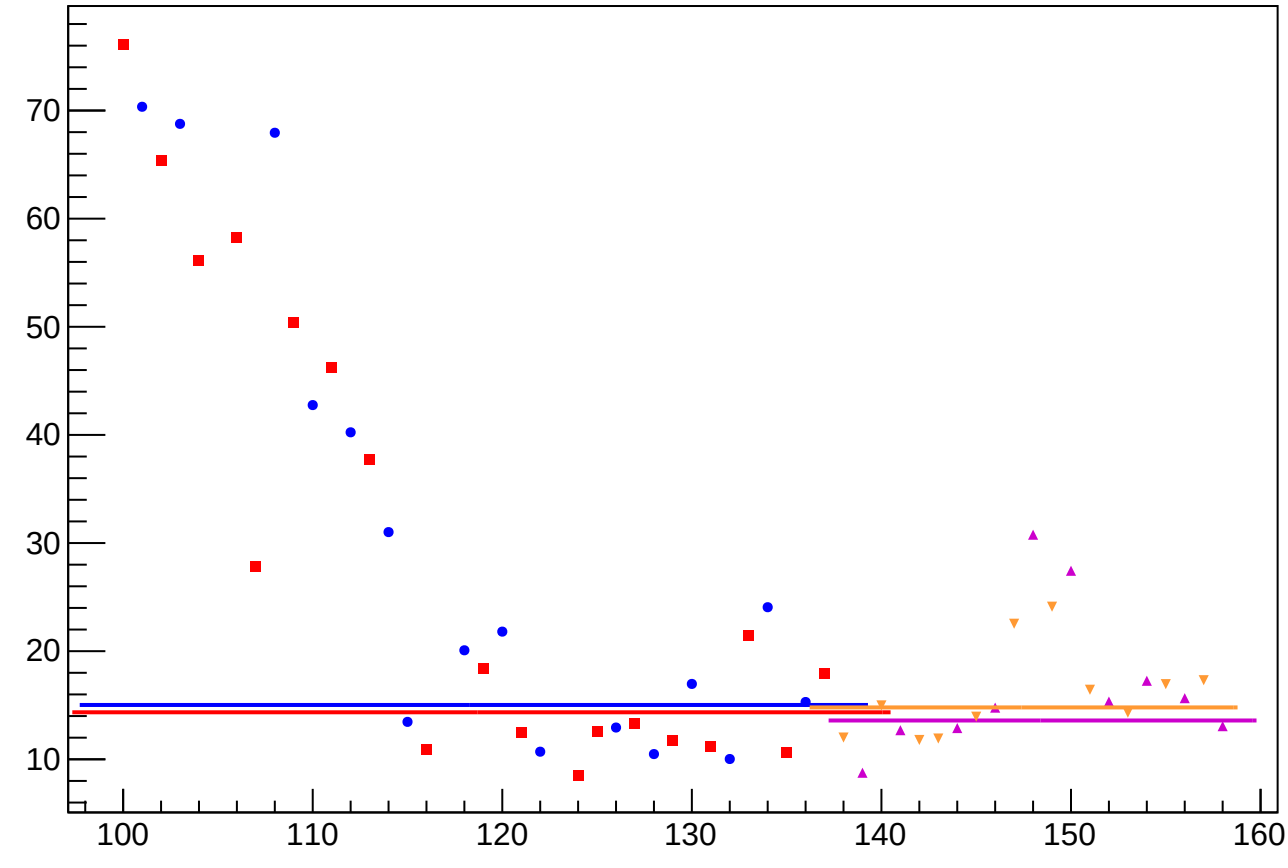
Left: 0.001+/-0.004 χ^2/NDF: 31.1/20

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:31.1/25

Out: 0.001+/-0.004 χ^2/NDF:28.5/29

All: -0.002+/-0.003 χ^2/NDF: 61.0/55



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.798+/-0.004 χ^2/NDF:734478.5/10

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581578.4/9

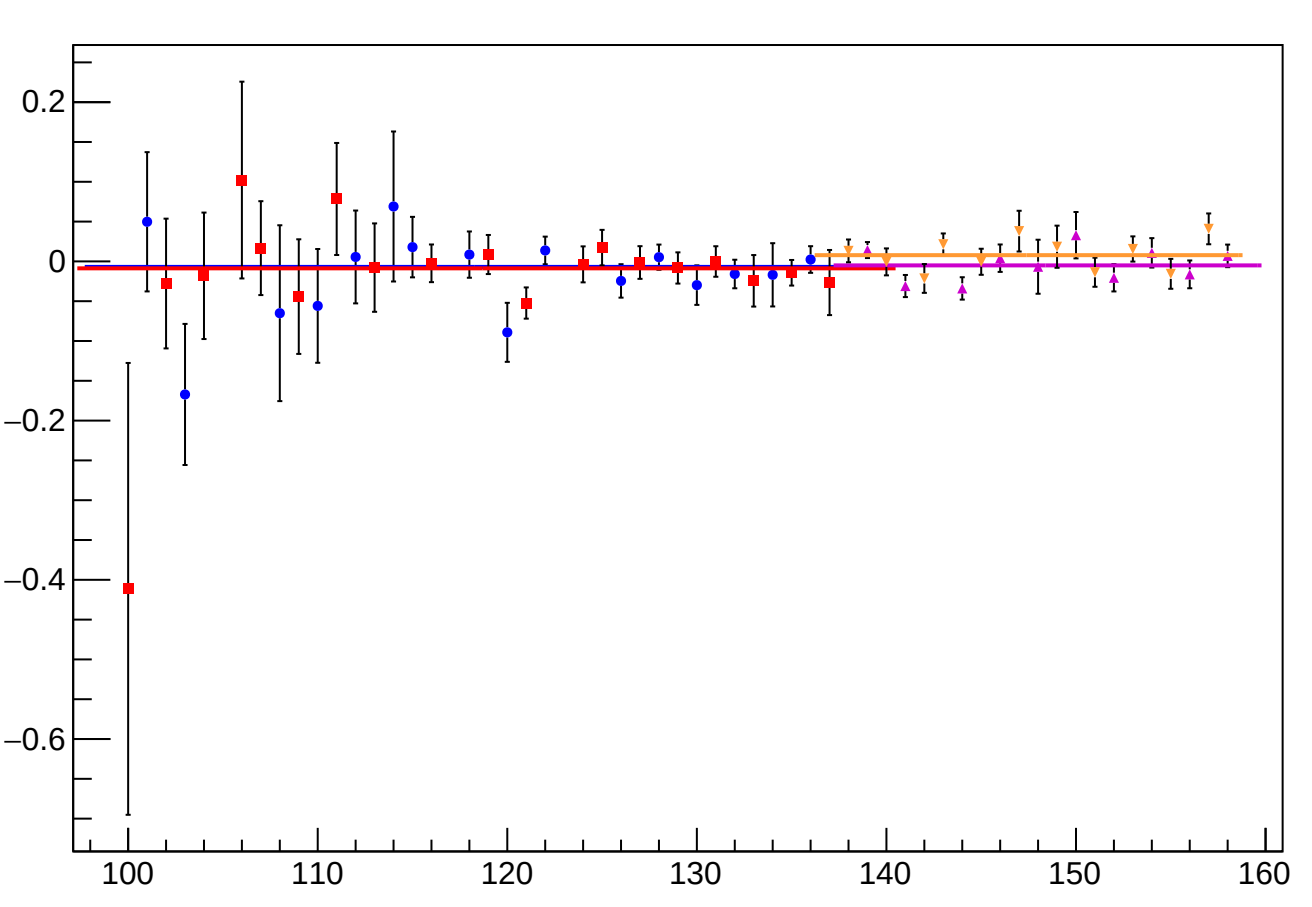
Left: 14.161+/-0.003 χ^2/NDF: 2371521.3/20

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.099+/-0.003 χ^2/NDF:5078554.7/25

Out: 14.616+/-0.003 χ^2/NDF:4369406.1/29

All: 14.354+/-0.002 χ^2/NDF: 9464370.7/55



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.005+/-0.005 χ^2/NDF:16.1/9

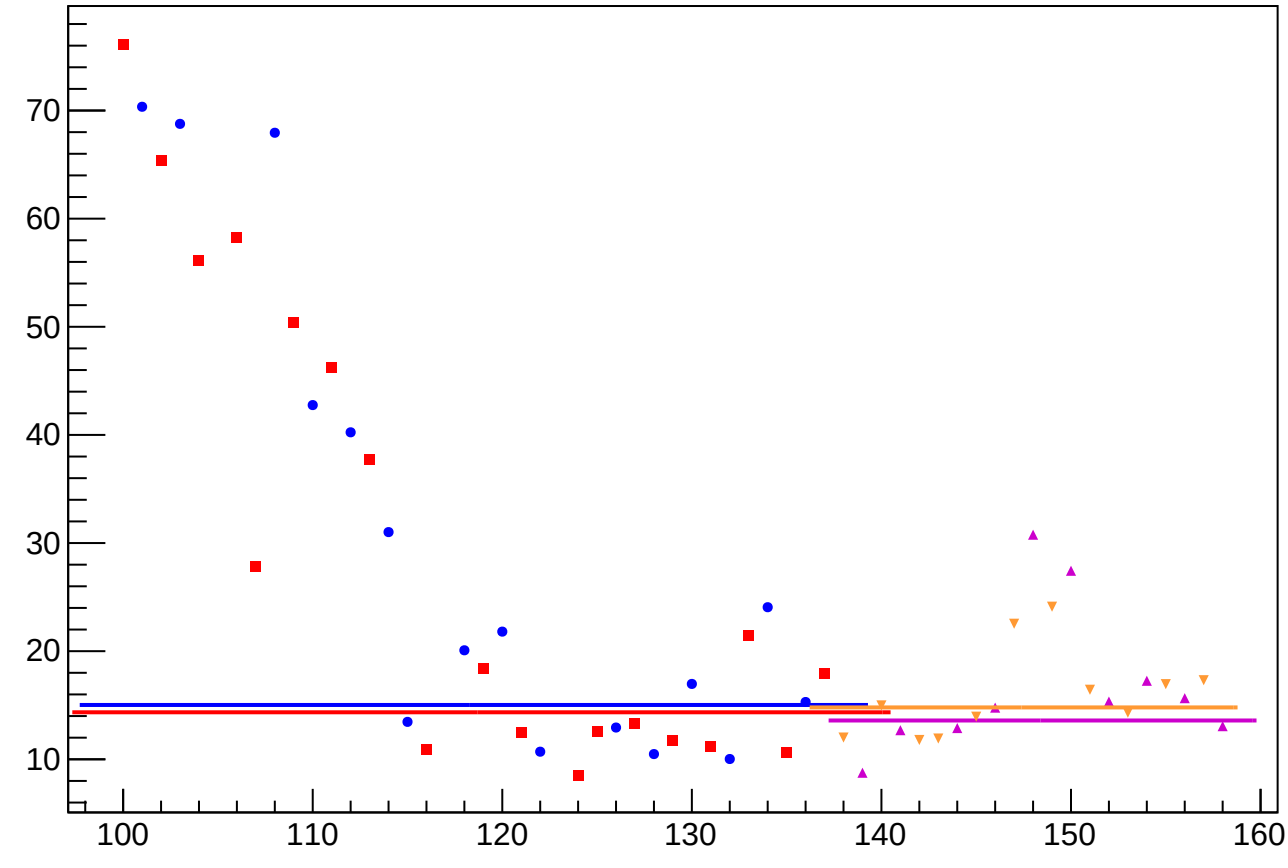
Left: 0.001+/-0.004 χ^2/NDF: 31.1/20

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:31.1/25

Out: 0.001+/-0.004 χ^2/NDF:28.5/29

All: -0.002+/-0.003 χ^2/NDF: 61.0/55



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.798+/-0.004 χ^2/NDF:734478.5/10

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581578.4/9

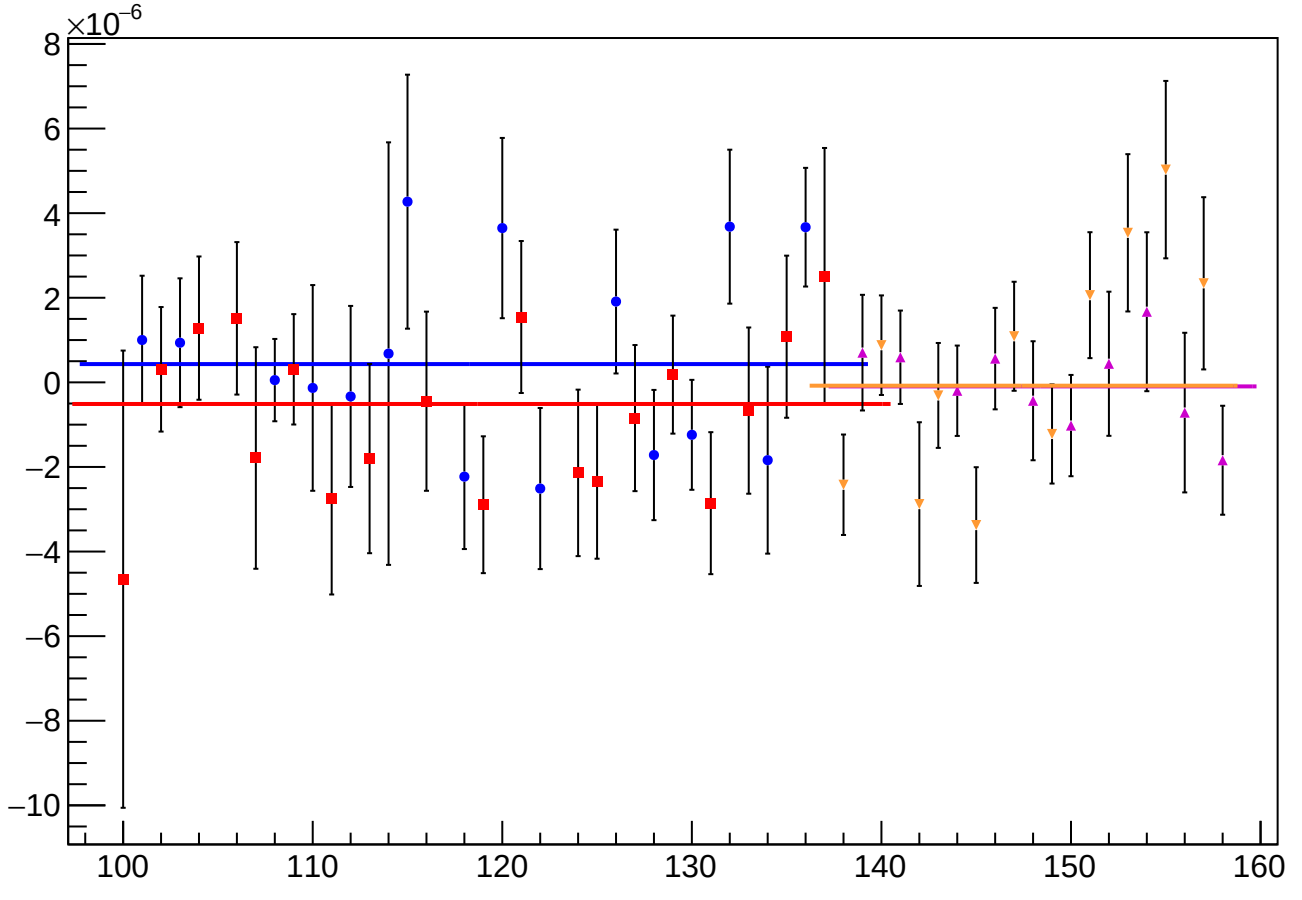
Left: 14.161+/-0.003 χ^2/NDF: 2371521.3/20

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.099+/-0.003 χ^2/NDF:5078554.7/25

Out: 14.616+/-0.003 χ^2/NDF:4369406.1/29

All: 14.354+/-0.002 χ^2/NDF: 9464370.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/9

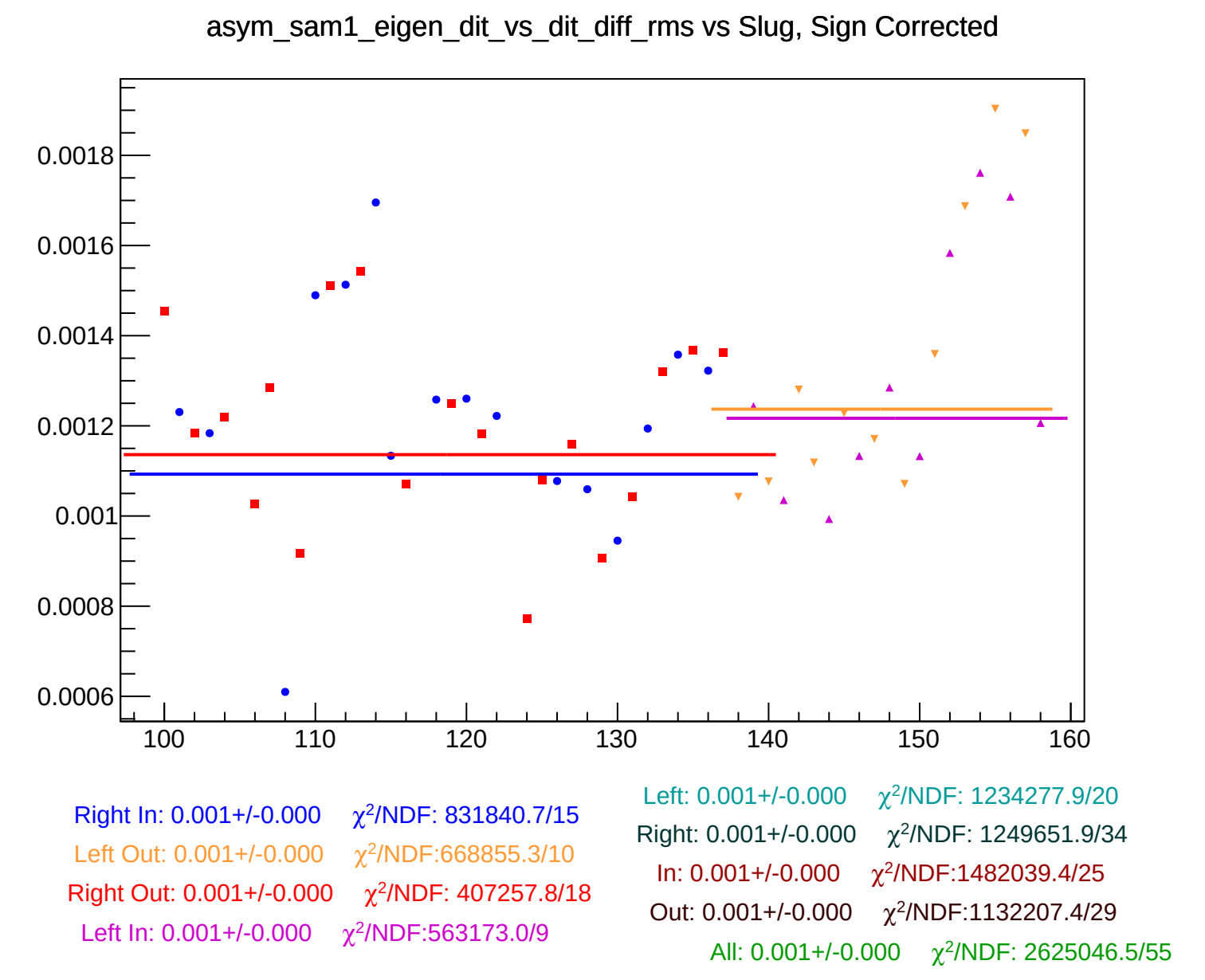
Left: -0.000+/-0.000 χ^2/NDF: 32.1/20

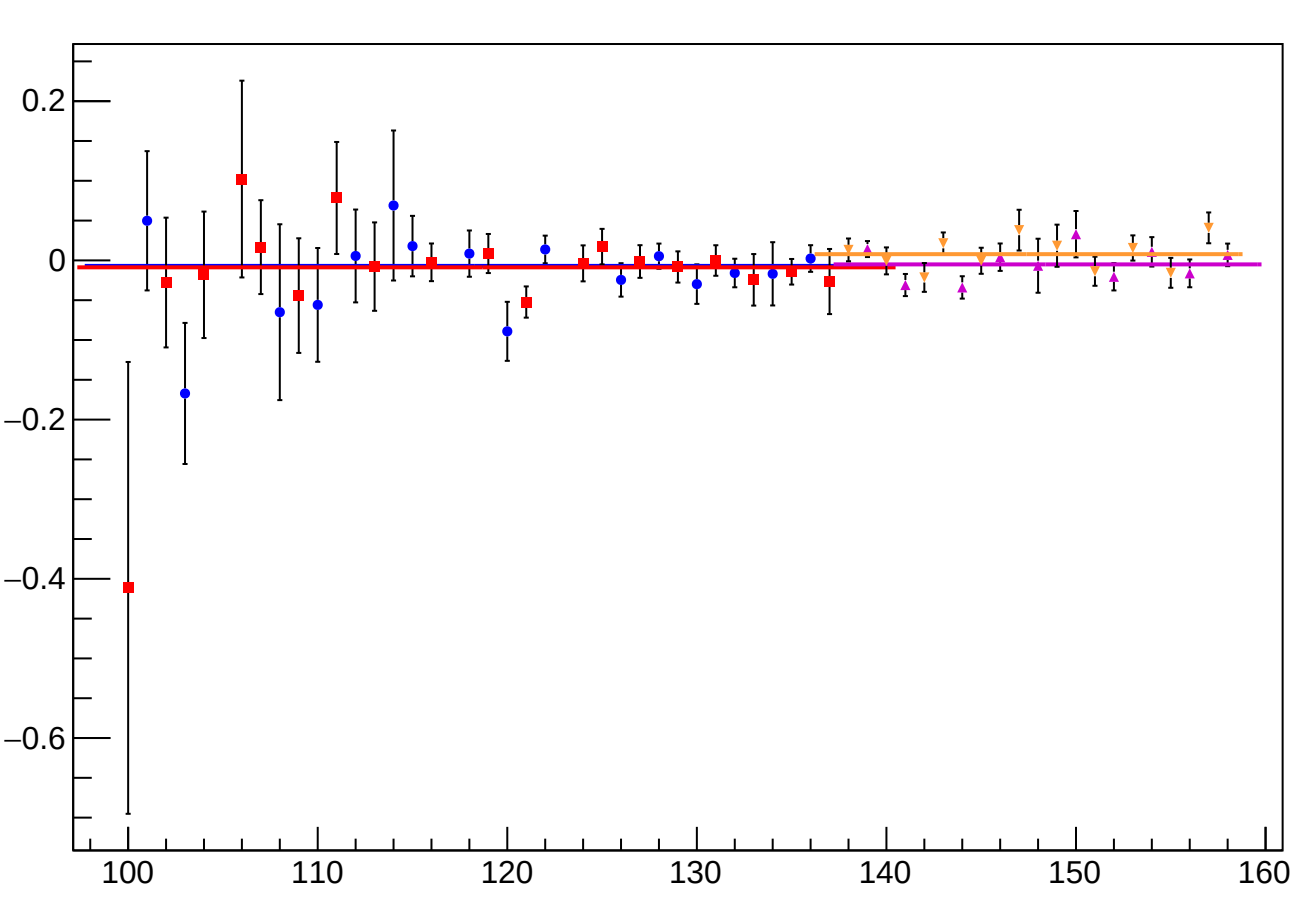
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:28.6/25

Out: -0.000+/-0.000 χ^2/NDF:42.3/29

All: -0.000+/-0.000 χ^2/NDF: 72.1/55


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:668855.3/10
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:563173.0/9
Left: 0.001+/-0.000 χ²/NDF: 1234277.9/20
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1482039.4/25
Out: 0.001+/-0.000 χ²/NDF:1132207.4/29
All: 0.001+/-0.000 χ²/NDF: 2625046.5/55



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.005+/-0.005 χ^2/NDF:16.1/9

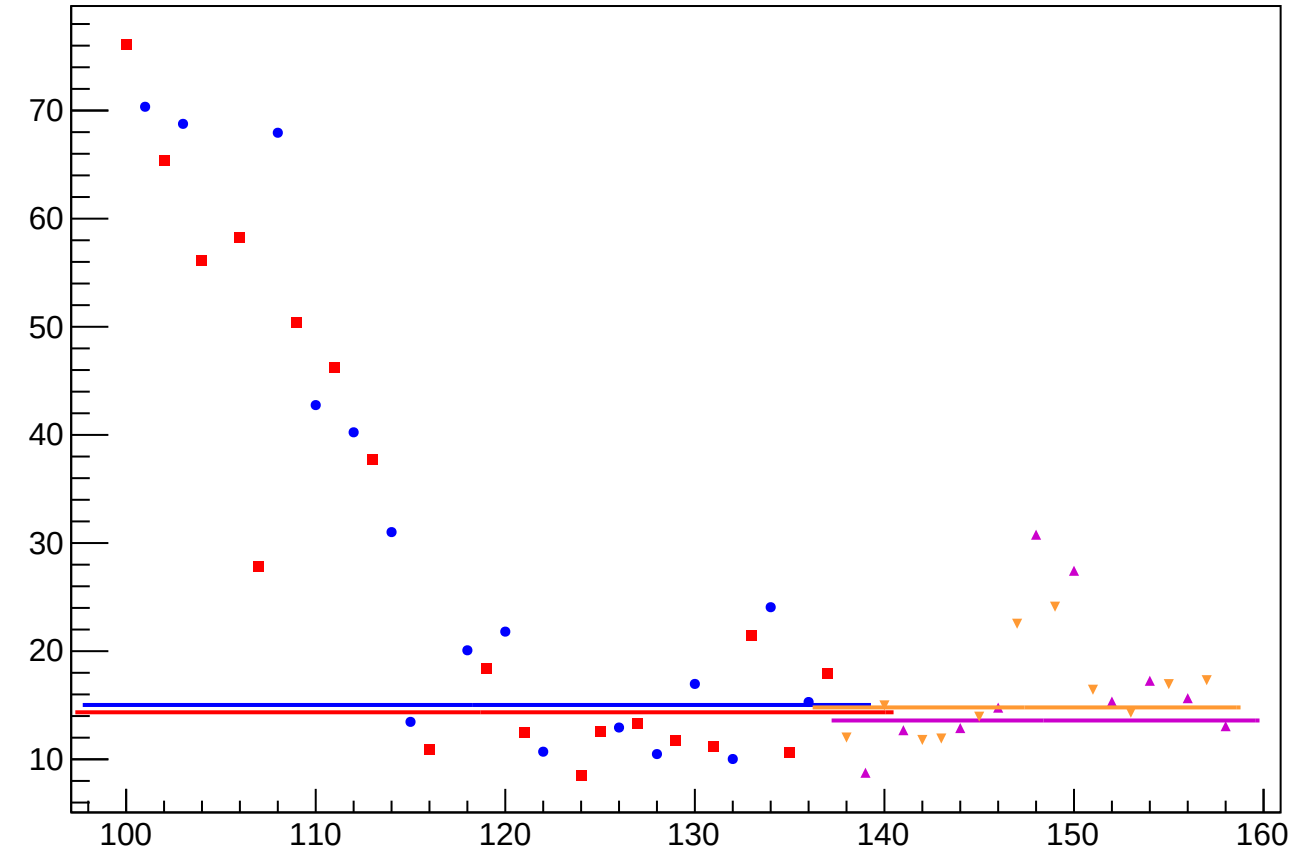
Left: 0.001+/-0.004 χ^2/NDF: 31.1/20

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:31.1/25

Out: 0.001+/-0.004 χ^2/NDF:28.5/29

All: -0.002+/-0.003 χ^2/NDF: 61.0/55



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.798+/-0.004 χ^2/NDF:734480.9/10

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581619.7/9

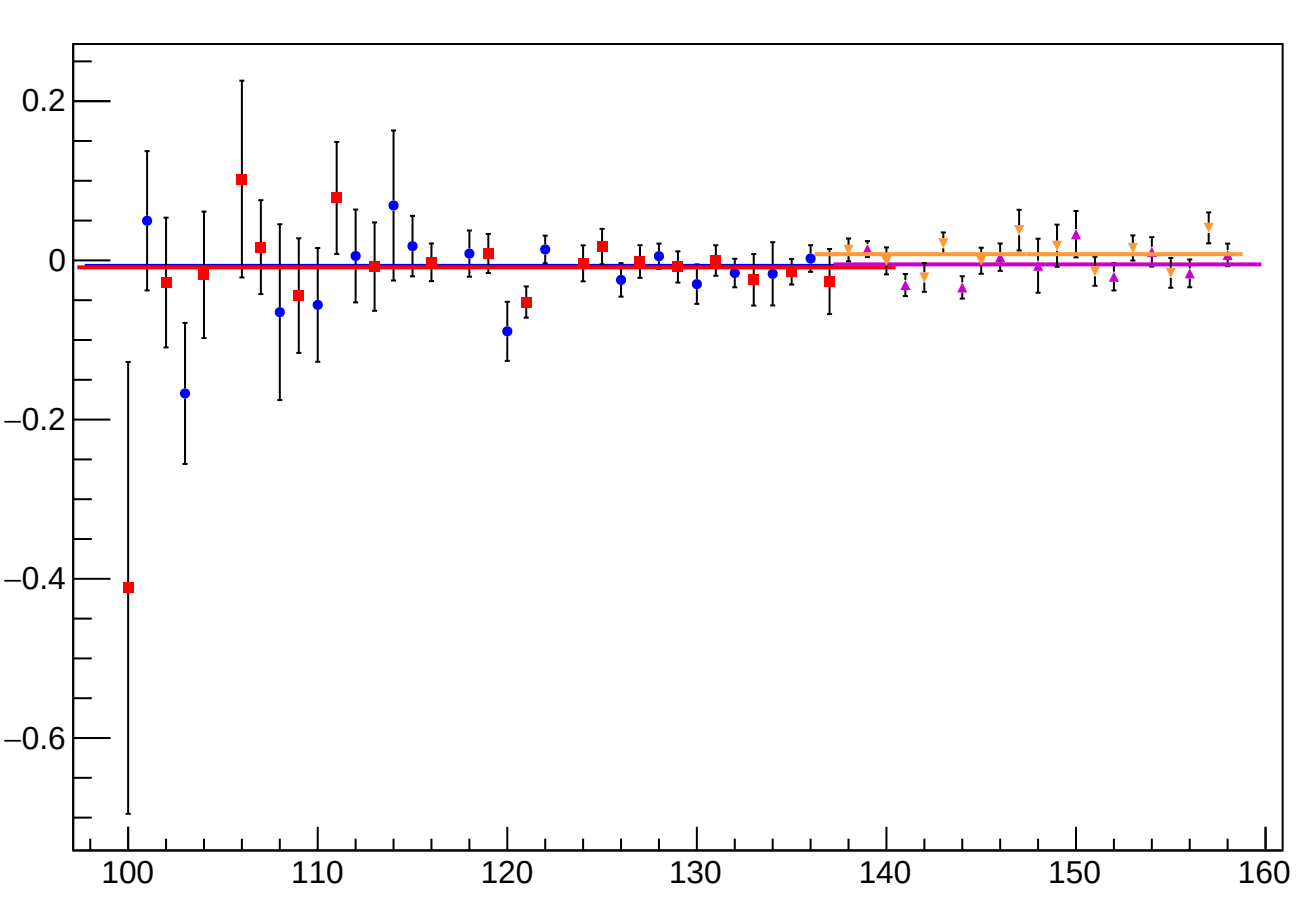
Left: 14.161+/-0.003 χ^2/NDF: 2371577.9/20

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.099+/-0.003 χ^2/NDF:5078603.7/25

Out: 14.616+/-0.003 χ^2/NDF:4369403.7/29

All: 14.354+/-0.002 χ^2/NDF: 9464424.0/55



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.005+/-0.005 χ^2/NDF:16.1/9

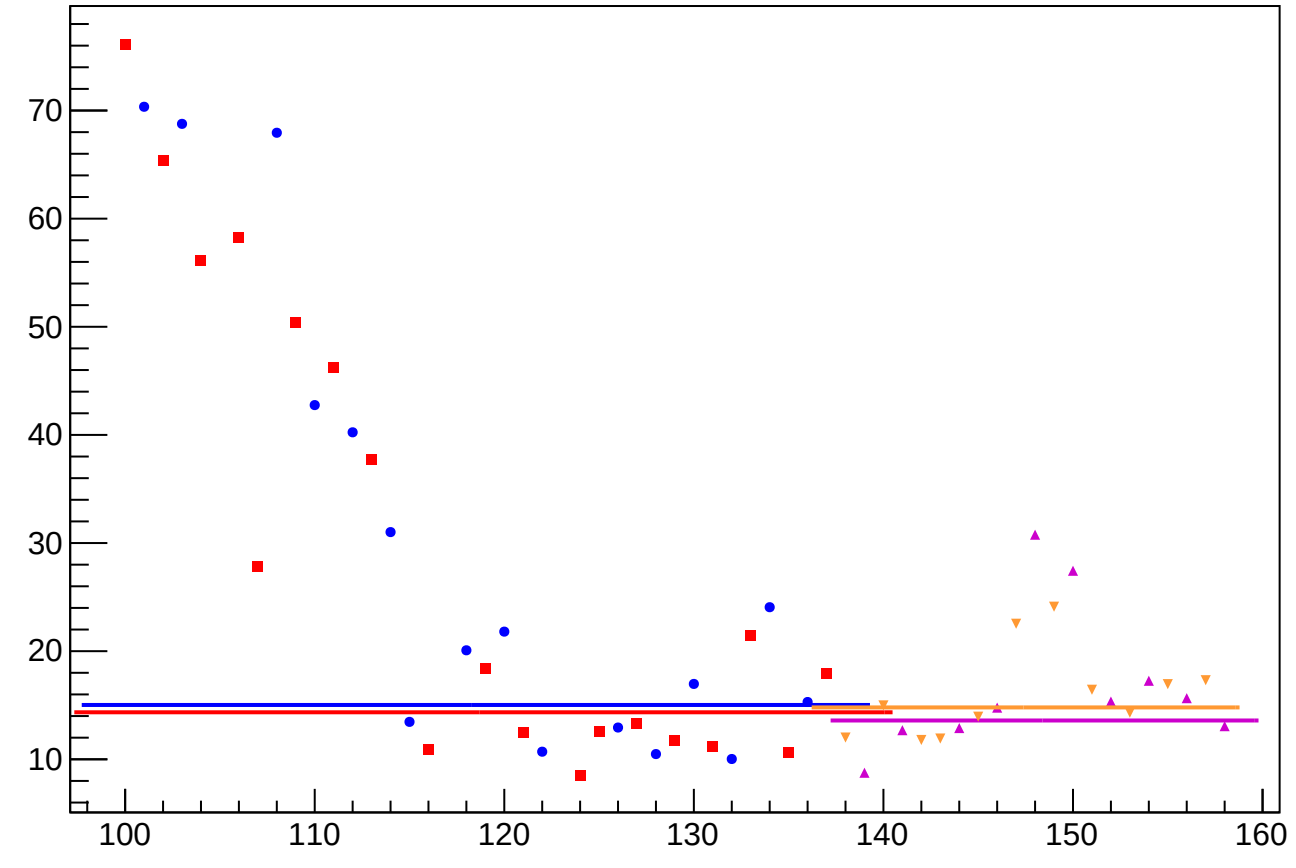
Left: 0.001+/-0.004 χ^2/NDF: 31.1/20

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:31.1/25

Out: 0.001+/-0.004 χ^2/NDF:28.5/29

All: -0.002+/-0.003 χ^2/NDF: 61.0/55



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.798+/-0.004 χ^2/NDF:734480.9/10

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581619.7/9

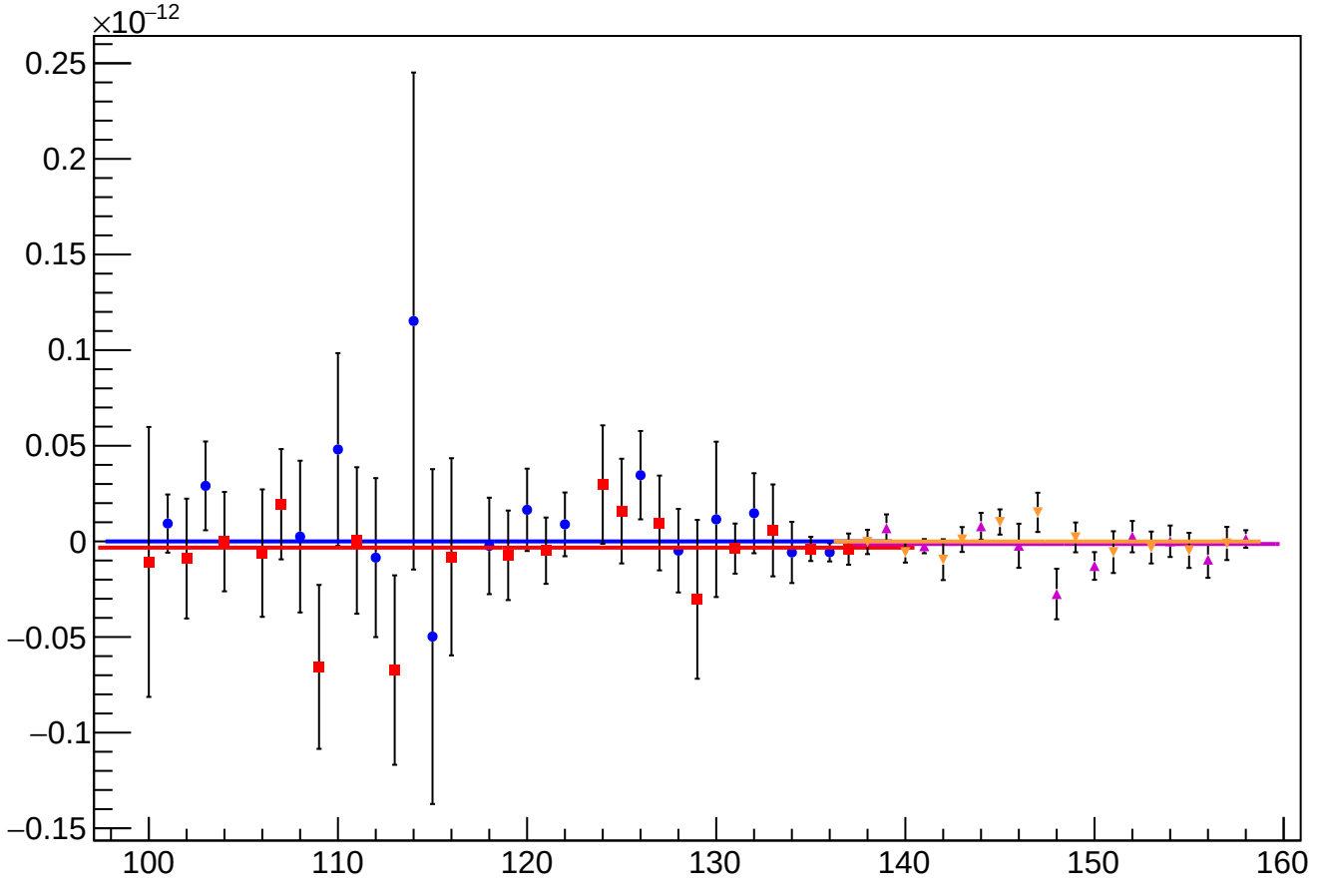
Left: 14.161+/-0.003 χ^2/NDF: 2371577.9/20

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.099+/-0.003 χ^2/NDF:5078603.7/25

Out: 14.616+/-0.003 χ^2/NDF:4369403.7/29

All: 14.354+/-0.002 χ^2/NDF: 9464424.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/9

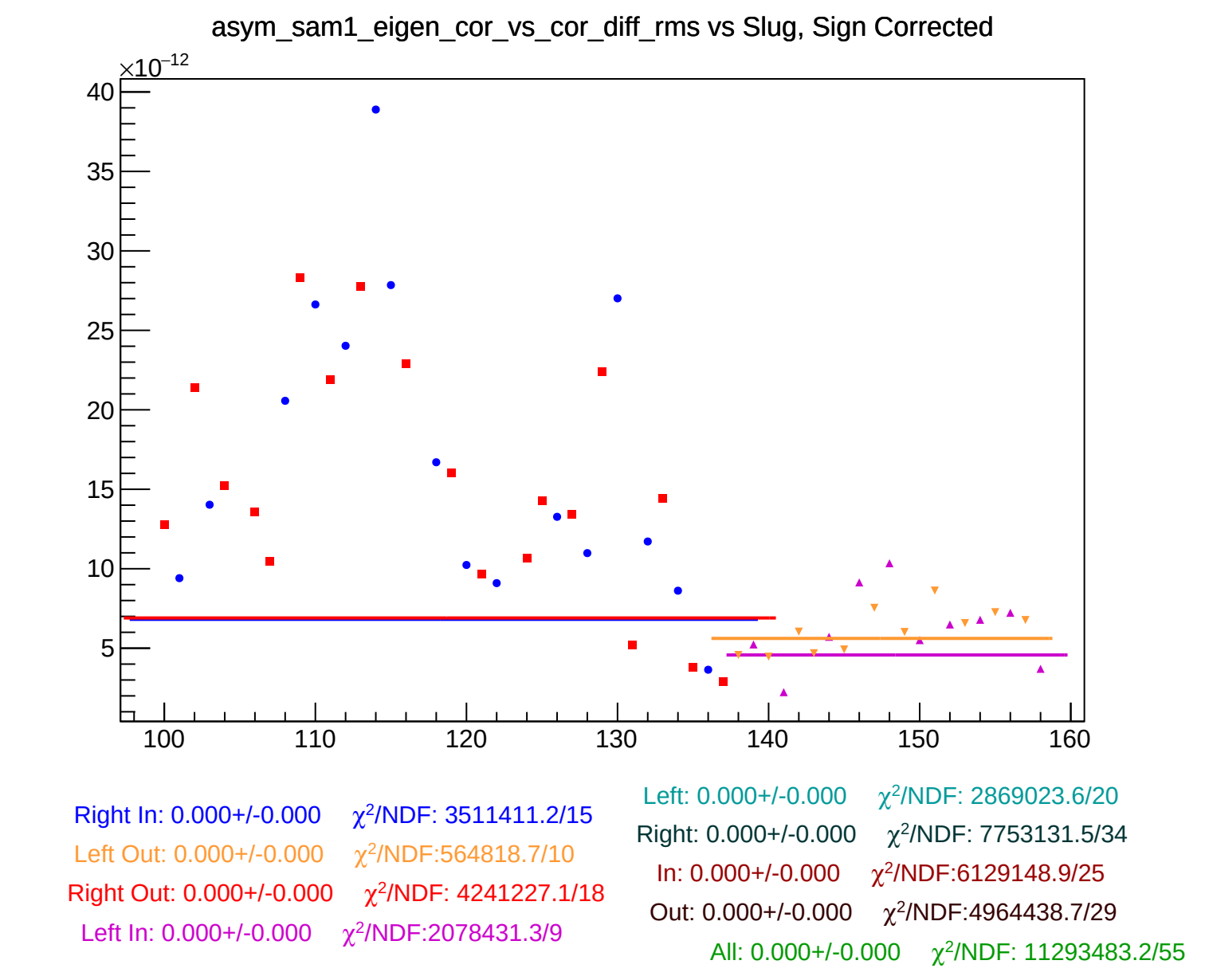
Left: -0.000+/-0.000 χ^2/NDF: 18.3/20

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

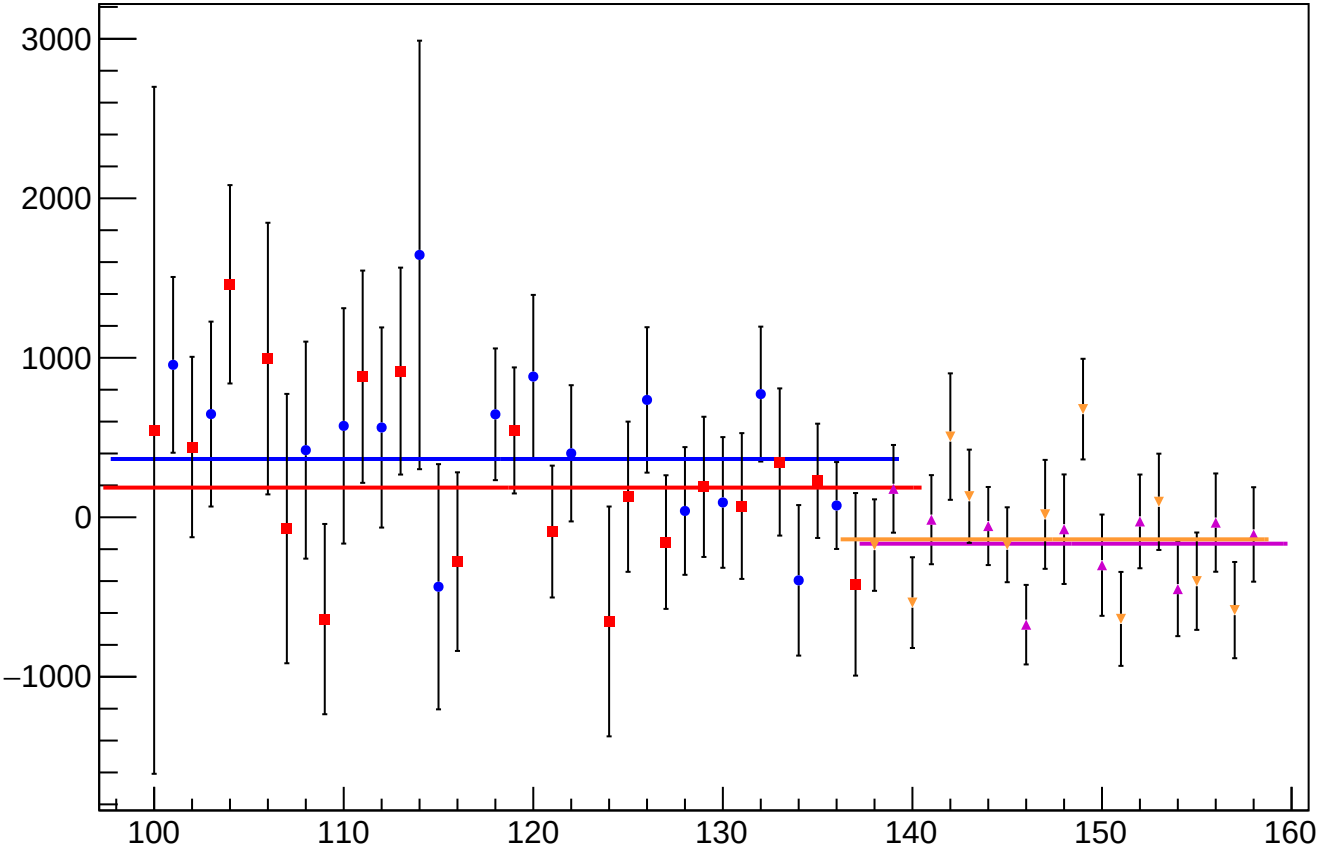
In: -0.000+/-0.000 χ^2/NDF:20.3/25

Out: -0.000+/-0.000 χ^2/NDF:14.7/29

All: -0.000+/-0.000 χ^2/NDF: 35.0/55


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:564818.7/10
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2078431.3/9
Left: 0.000+/-0.000 χ²/NDF: 2869023.6/20
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6129148.9/25
Out: 0.000+/-0.000 χ²/NDF:4964438.7/29
All: 0.000+/-0.000 χ²/NDF: 11293483.2/55

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -138.238+/-89.972 χ^2/NDF:18.8/10

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -165.564+/-90.465 χ^2/NDF:7.8/9

Left: -151.826+/-63.793 χ^2/NDF: 26.6/20

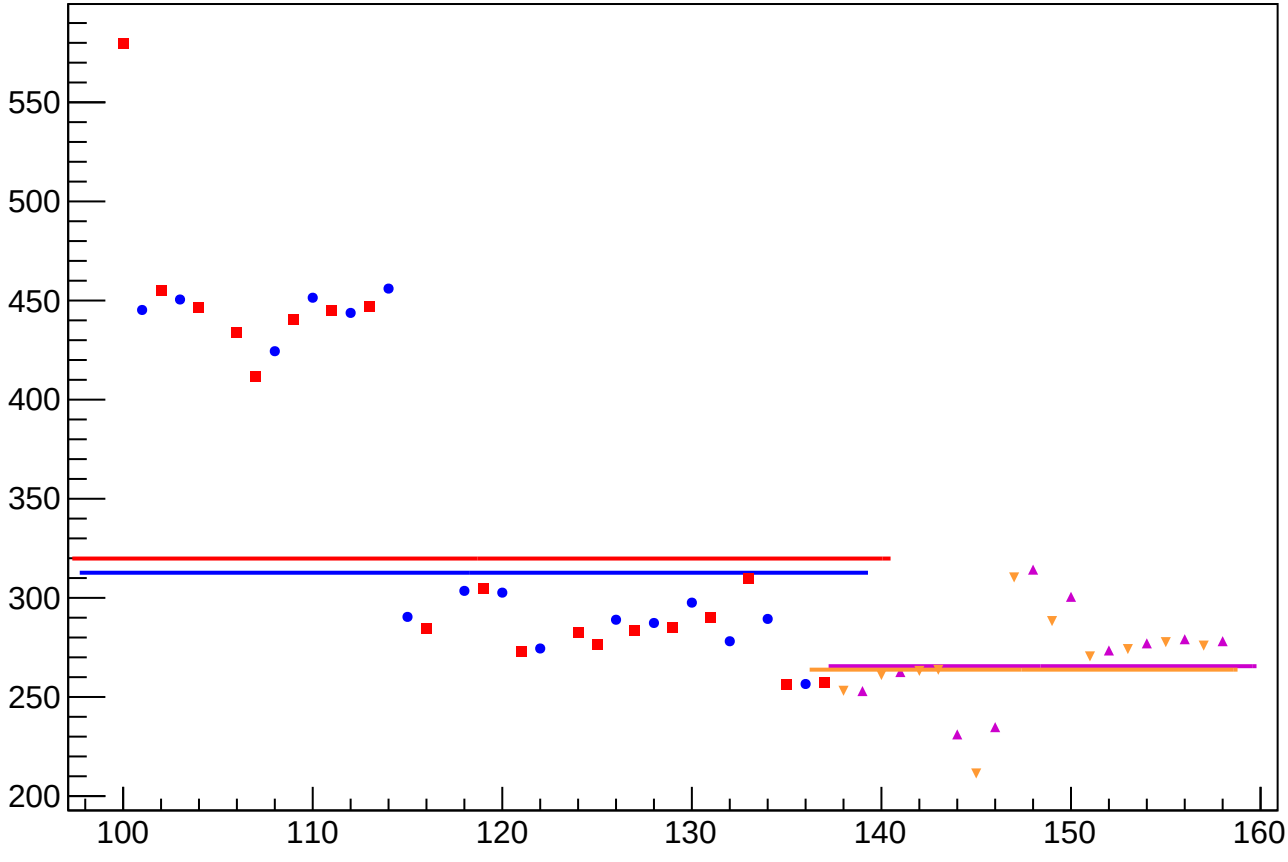
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 29.220+/-71.990 χ^2/NDF:32.0/25

Out: -21.742+/-72.026 χ^2/NDF:38.4/29

All: 3.752+/-50.917 χ^2/NDF: 70.6/55

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 263.790+/-0.064 χ^2/NDF:162296.6/10

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

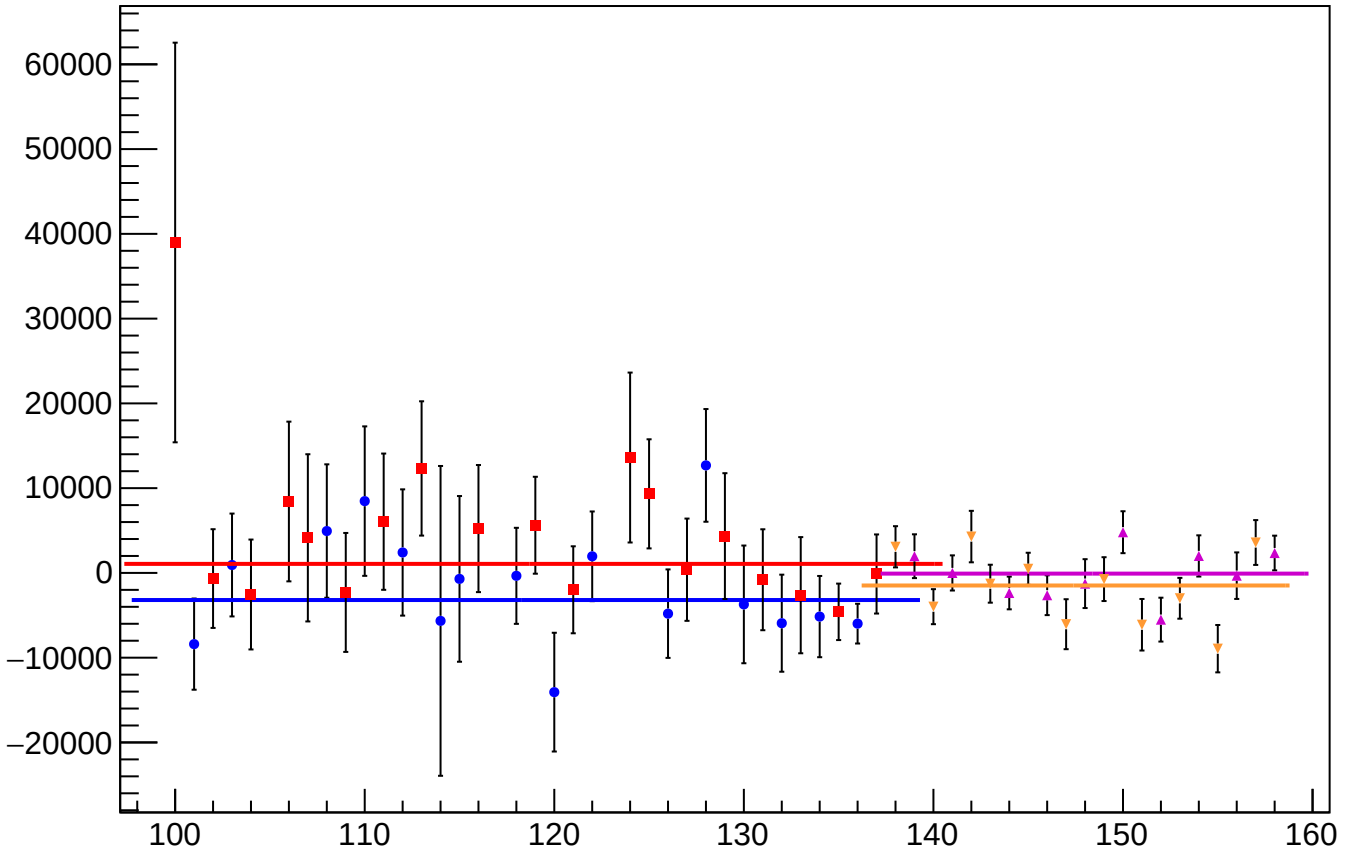
Left: 264.657+/-0.045 χ^2/NDF: 313520.0/20

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 282.826+/-0.051 χ^2/NDF:952295.9/25

Out: 283.920+/-0.051 χ^2/NDF:1138938.7/29

All: 283.373+/-0.036 χ^2/NDF: 2091465.4/55



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1483.436+/-743.927 χ^2/NDF:25.7/10

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -82.998+/-744.151 χ^2/NDF:13.8/9

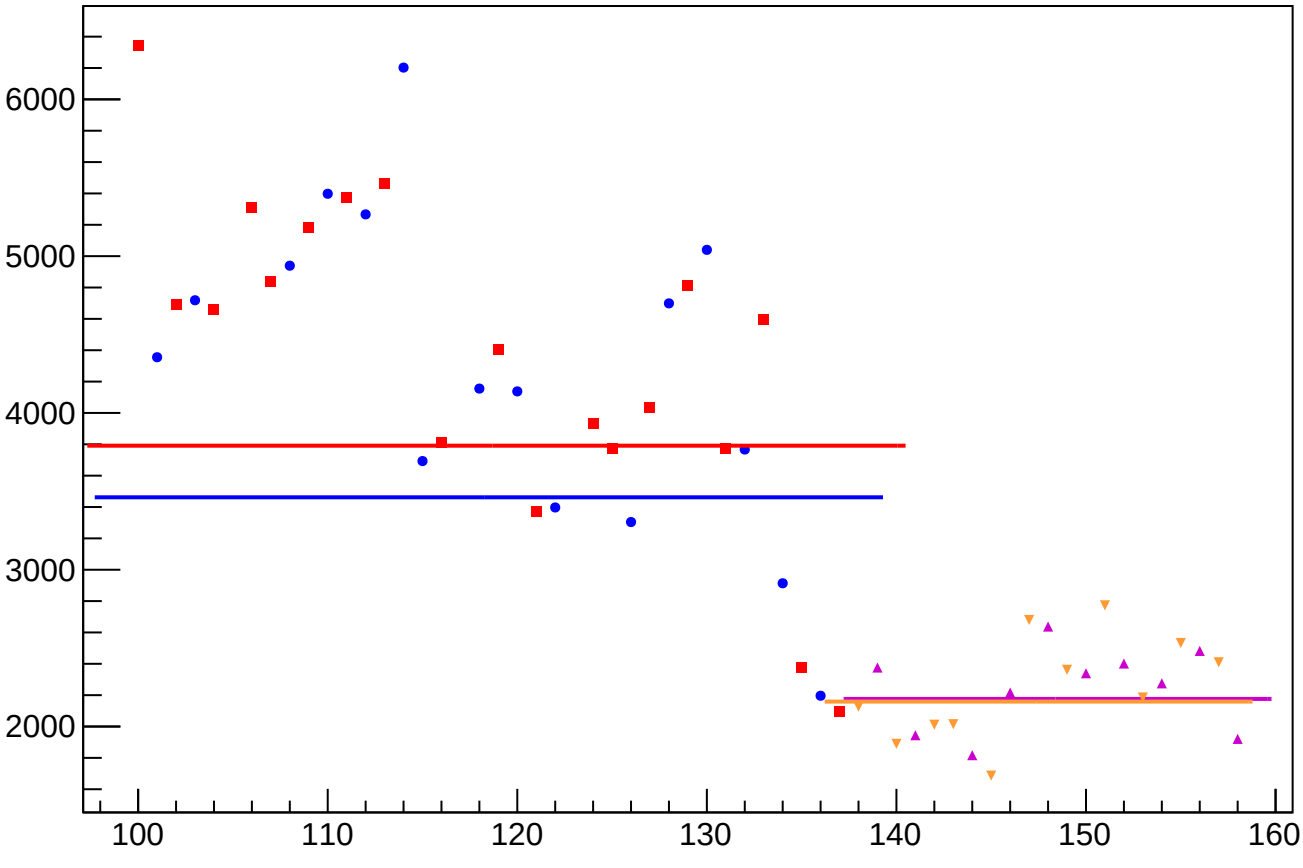
Left: -783.428+/-526.115 χ^2/NDF: 41.3/20

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -805.950+/-652.128 χ^2/NDF:34.0/25

Out: -948.320+/-661.259 χ^2/NDF:42.5/29

All: -876.146+/-464.319 χ^2/NDF: 76.6/55



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2158.976+/-0.526 χ^2/NDF:381707.6/10

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2176.030+/-0.526 χ^2/NDF:241108.6/9

Left: 2167.500+/-0.372 χ^2/NDF: 623341.6/20

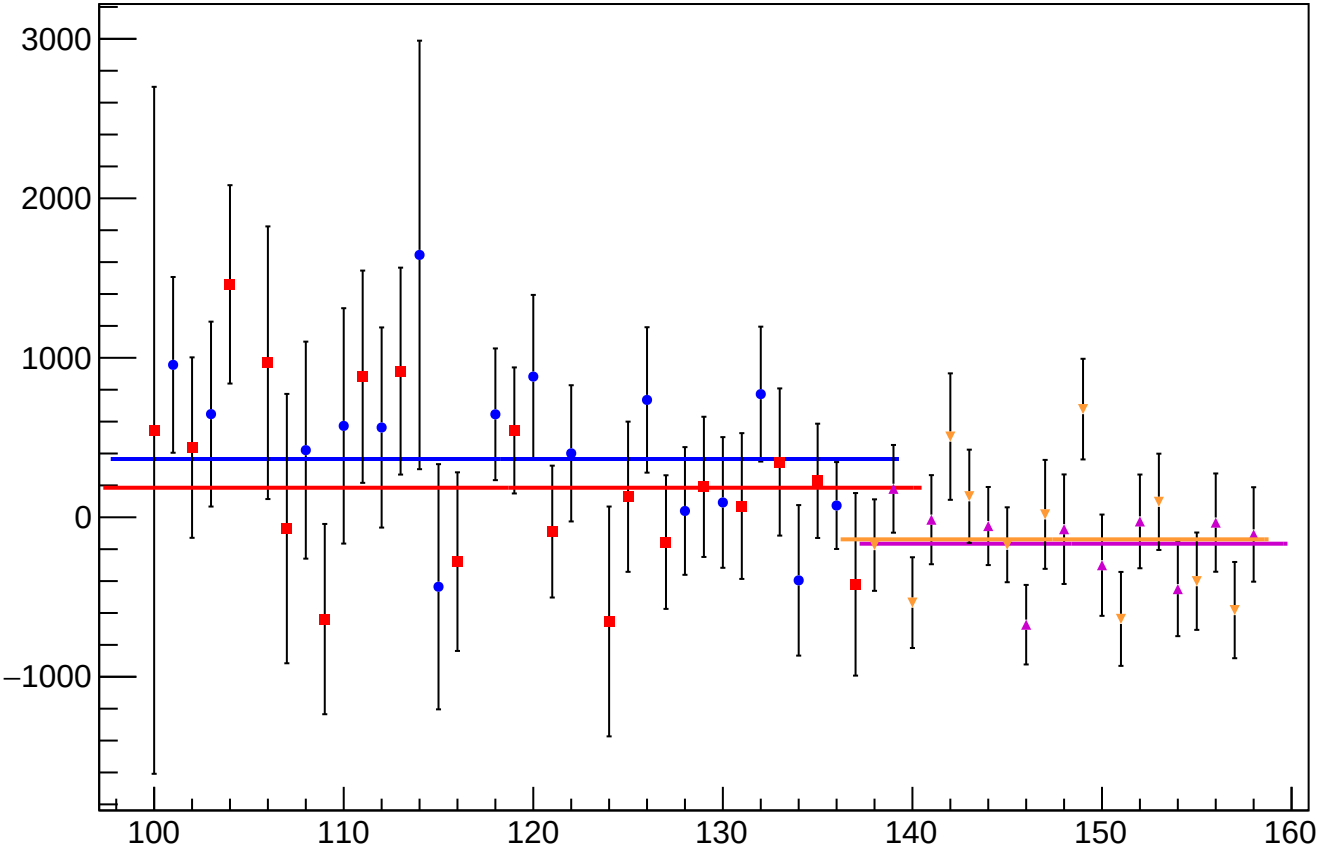
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2474.400+/-0.461 χ^2/NDF:2936383.7/25

Out: 2501.582+/-0.468 χ^2/NDF:3558370.8/29

All: 2487.802+/-0.328 χ^2/NDF: 6496467.8/55

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -138.225+/-89.972 χ^2/NDF:18.8/10

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -165.558+/-90.465 χ^2/NDF:7.8/9

Left: -151.817+/-63.793 χ^2/NDF: 26.6/20

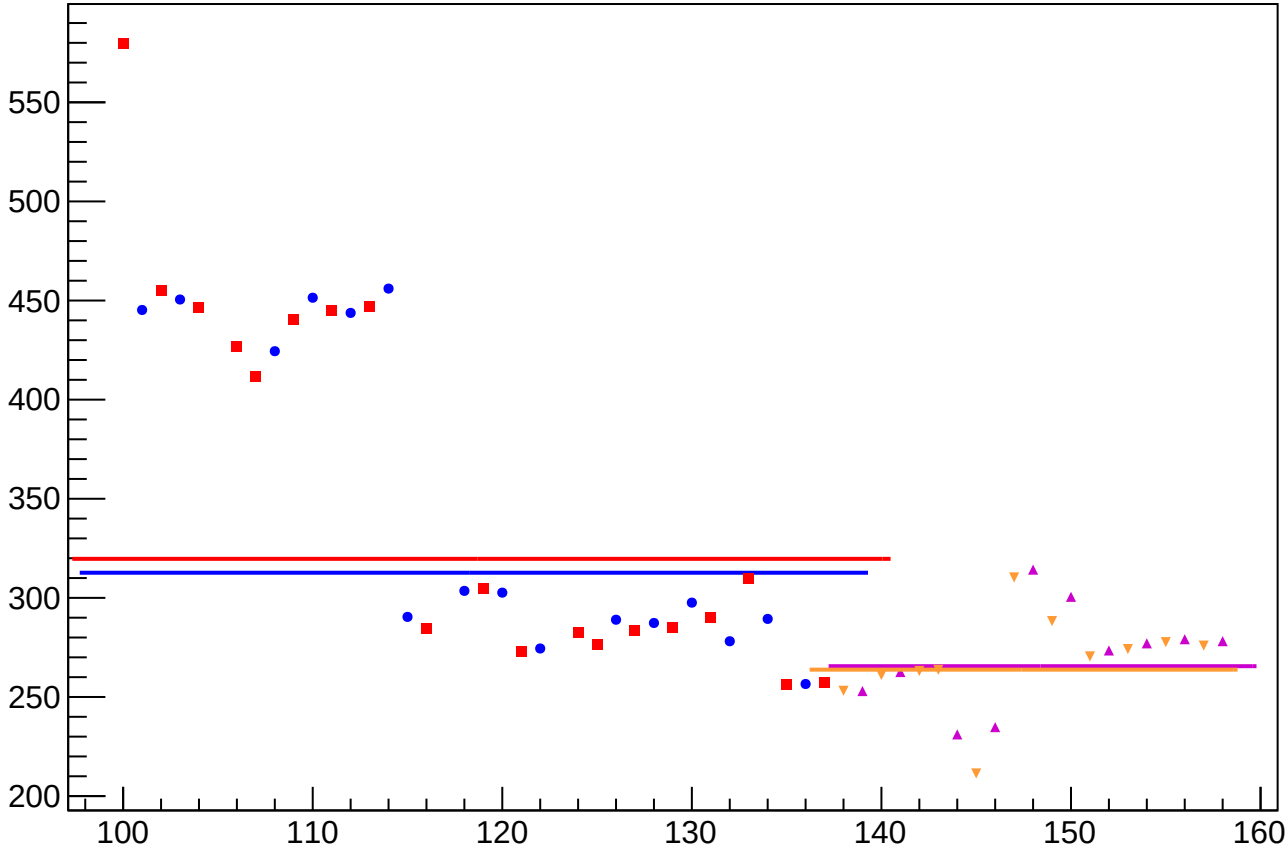
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 29.217+/-71.990 χ^2/NDF:32.0/25

Out: -22.038+/-72.028 χ^2/NDF:38.3/29

All: 3.603+/-50.918 χ^2/NDF: 70.6/55

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 263.790+/-0.064 χ^2/NDF:162296.6/10

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

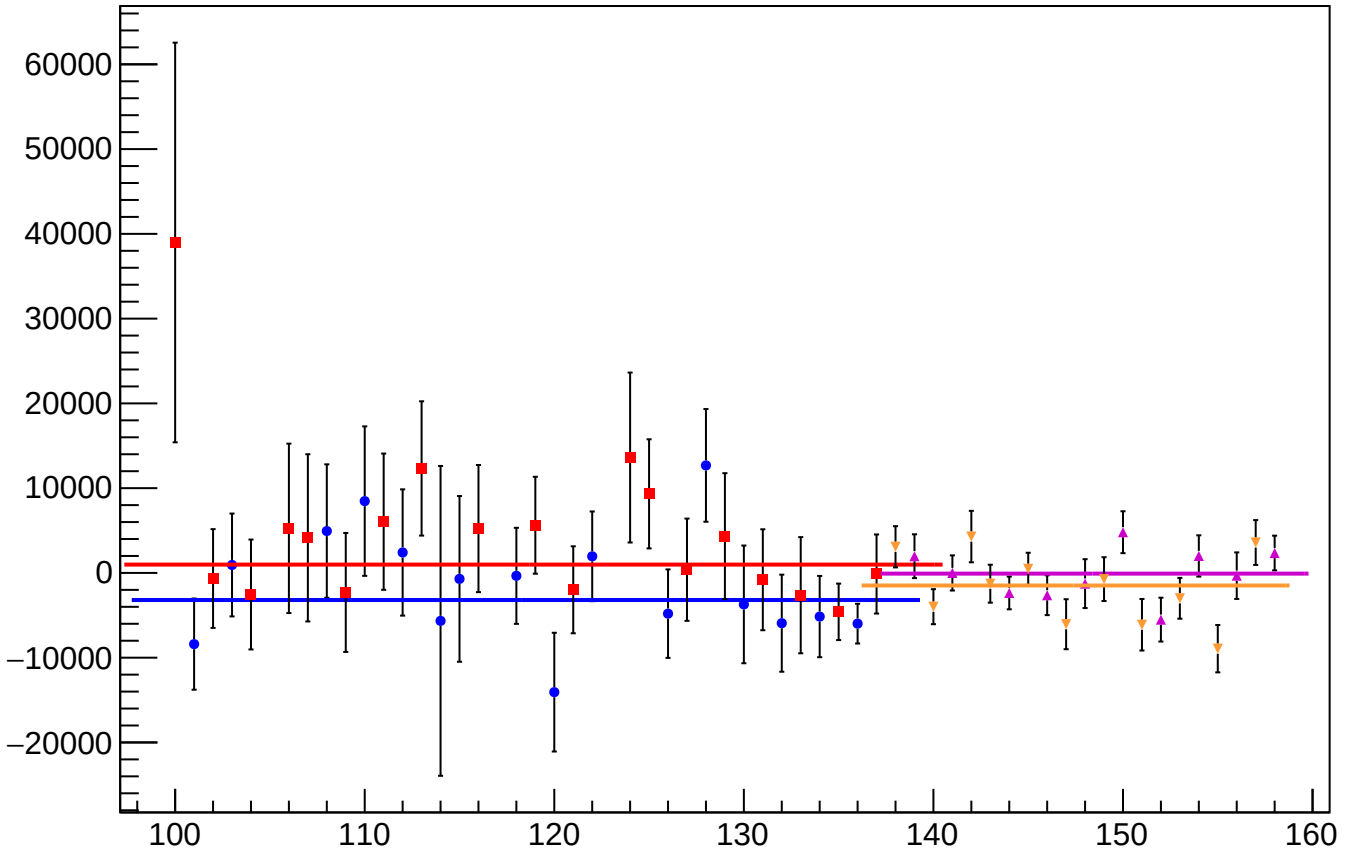
Left: 264.657+/-0.045 χ^2/NDF: 313520.1/20

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.826+/-0.051 χ^2/NDF:952297.5/25

Out: 283.864+/-0.051 χ^2/NDF:1133270.3/29

All: 283.345+/-0.036 χ^2/NDF: 2085775.7/55



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1483.430+/-743.927 χ^2/NDF:25.7/10

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -82.989+/-744.151 χ^2/NDF:13.8/9

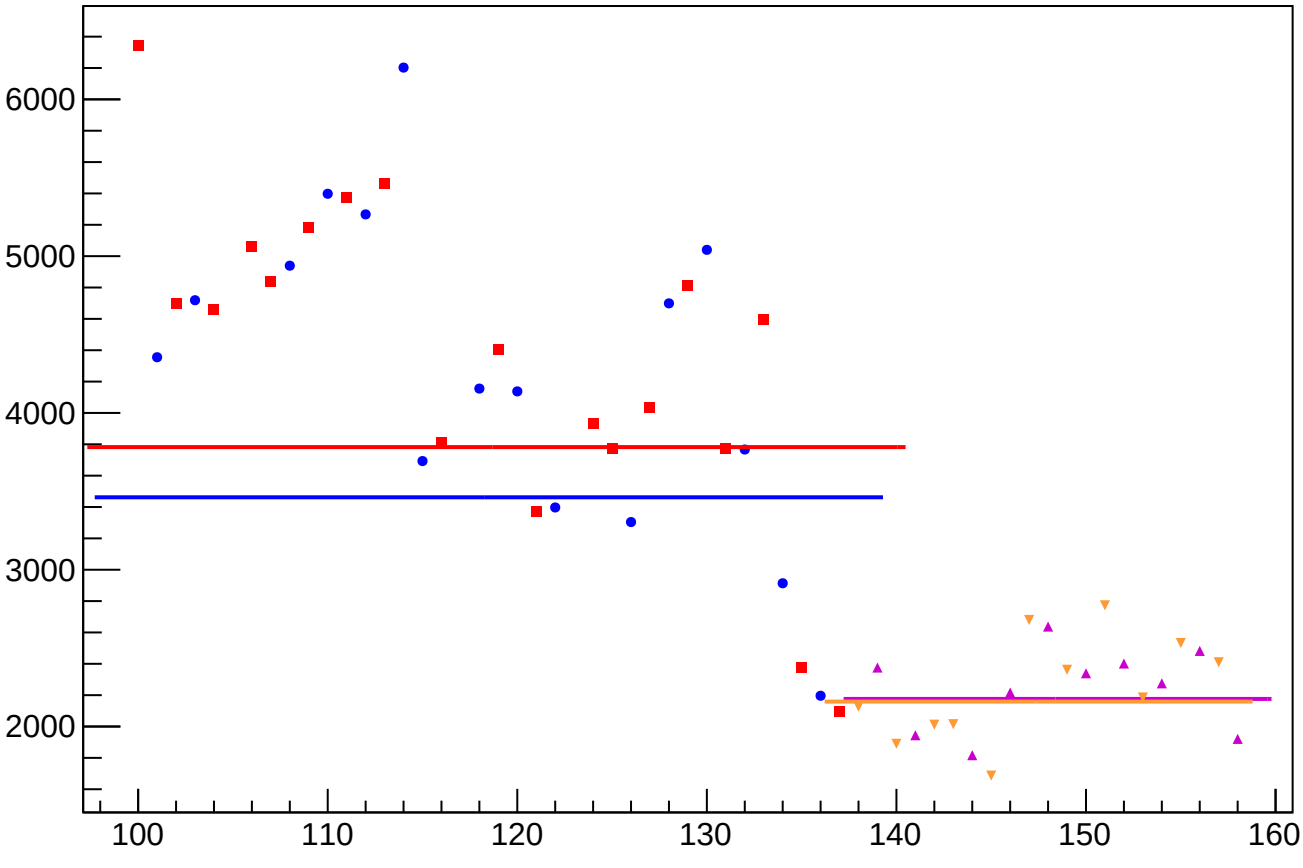
Left: -783.421+/-526.115 χ^2/NDF: 41.3/20

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -805.926+/-652.128 χ^2/NDF:34.0/25

Out: -967.254+/-661.445 χ^2/NDF:41.9/29

All: -885.446+/-464.383 χ^2/NDF: 76.0/55



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2158.975+/-0.526 χ^2/NDF:381709.1/10

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2176.031+/-0.526 χ^2/NDF:241108.7/9

Left: 2167.500+/-0.372 χ^2/NDF: 623343.3/20

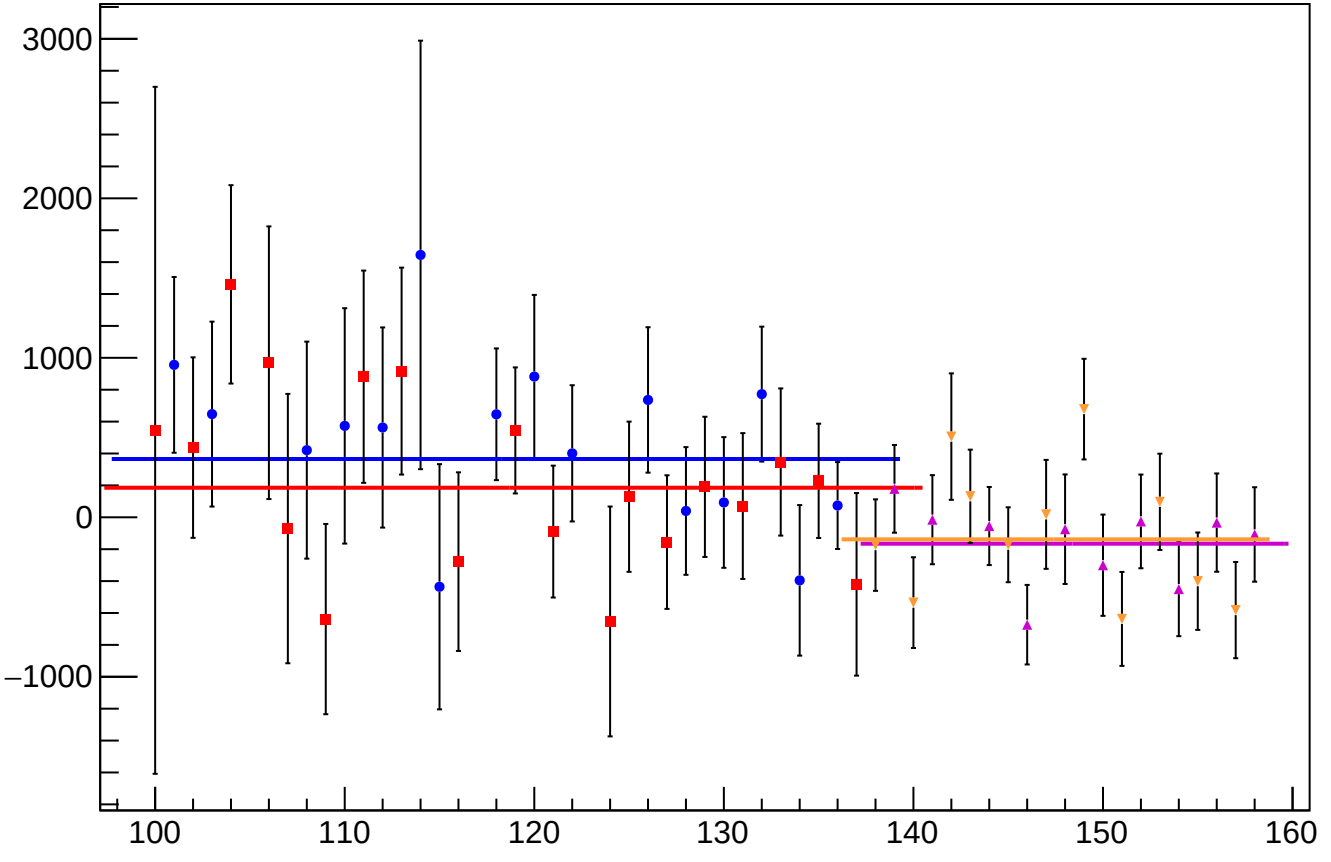
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2474.400+/-0.461 χ^2/NDF:2936404.1/25

Out: 2498.964+/-0.468 χ^2/NDF:3512422.9/29

All: 2486.508+/-0.328 χ^2/NDF: 6450225.7/55

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -138.225+/-89.972 χ^2/NDF:18.8/10

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -165.558+/-90.465 χ^2/NDF:7.8/9

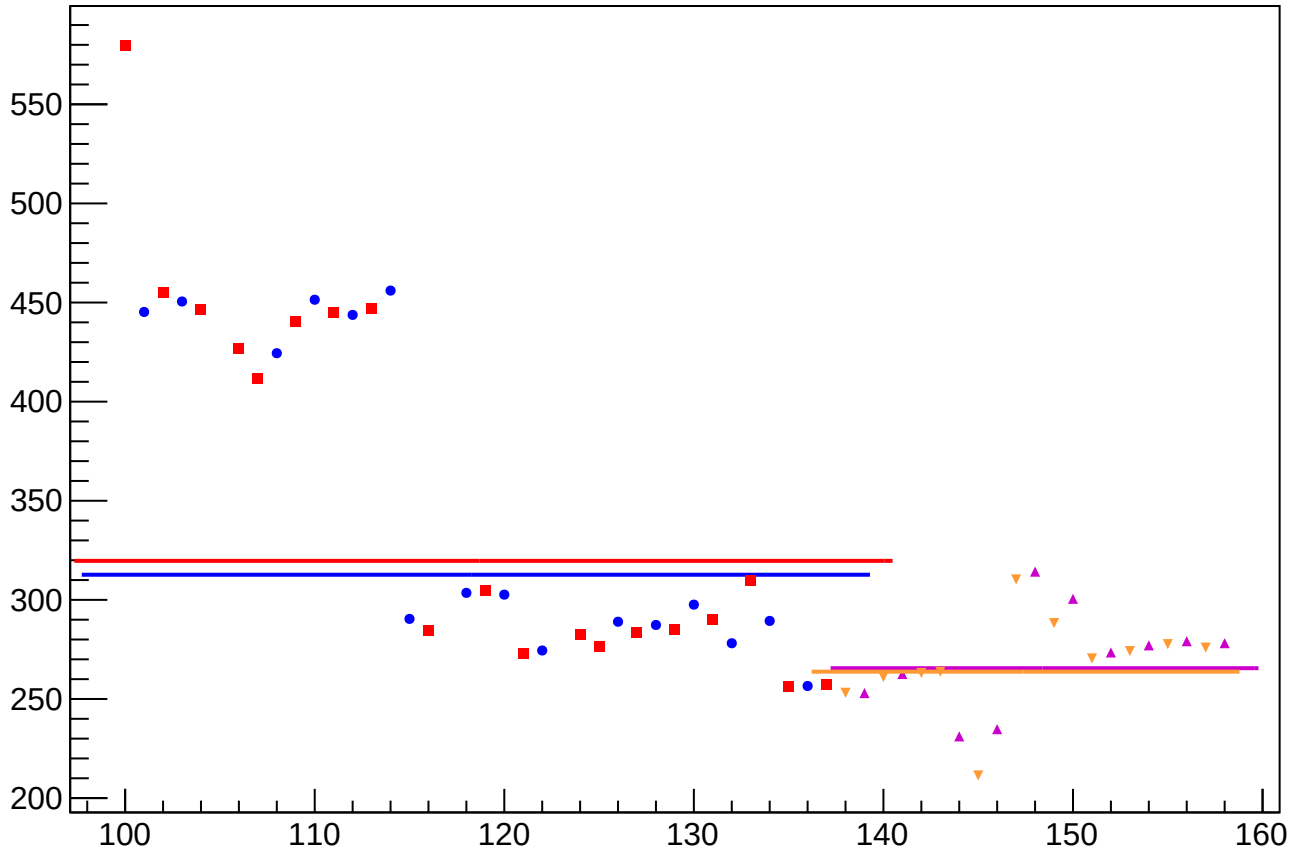
Left: -151.817+/-63.793 χ^2/NDF: 26.6/20

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 29.217+/-71.990 χ^2/NDF:32.0/25

Out: -22.038+/-72.028 χ^2/NDF:38.3/29

All: 3.603+/-50.918 χ^2/NDF: 70.6/55



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 263.790+/-0.064 χ^2/NDF:162296.6/10

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

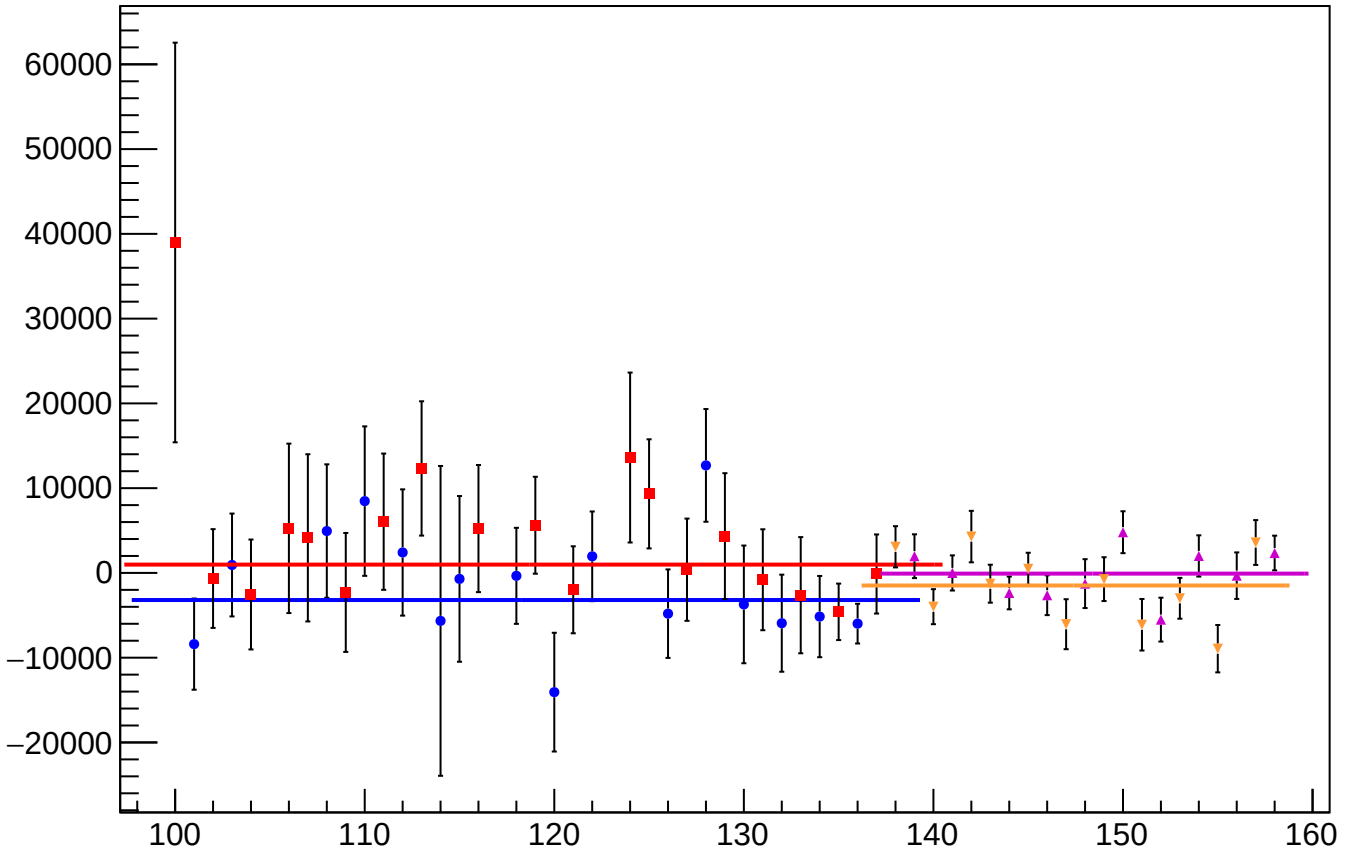
Left: 264.657+/-0.045 χ^2/NDF: 313520.1/20

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.826+/-0.051 χ^2/NDF:952297.5/25

Out: 283.864+/-0.051 χ^2/NDF:1133270.3/29

All: 283.345+/-0.036 χ^2/NDF: 2085775.7/55



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1483.430+/-743.927 χ^2/NDF:25.7/10

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -82.989+/-744.151 χ^2/NDF:13.8/9

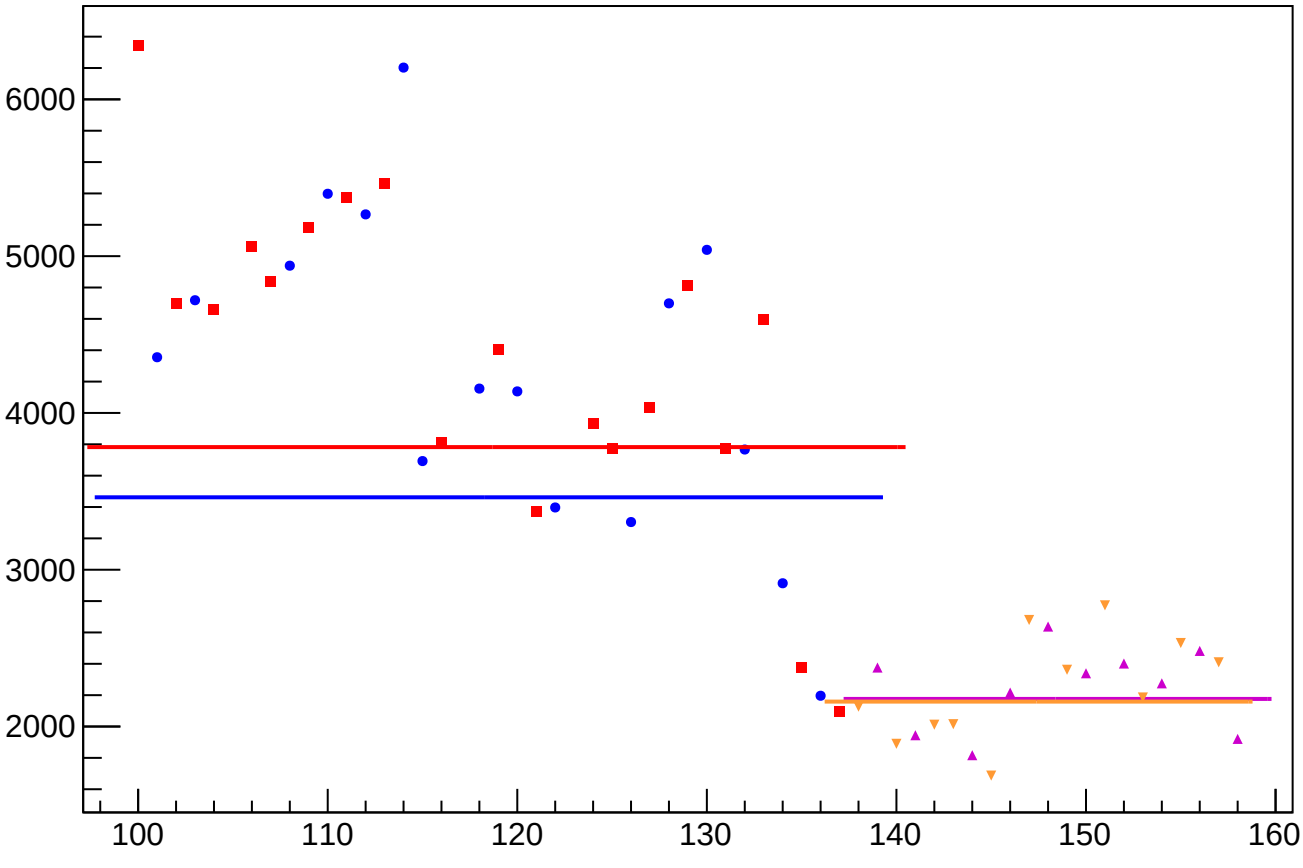
Left: -783.421+/-526.115 χ^2/NDF: 41.3/20

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -805.926+/-652.128 χ^2/NDF:34.0/25

Out: -967.254+/-661.445 χ^2/NDF:41.9/29

All: -885.446+/-464.383 χ^2/NDF: 76.0/55



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2158.975+/-0.526 χ^2/NDF:381709.1/10

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2176.031+/-0.526 χ^2/NDF:241108.7/9

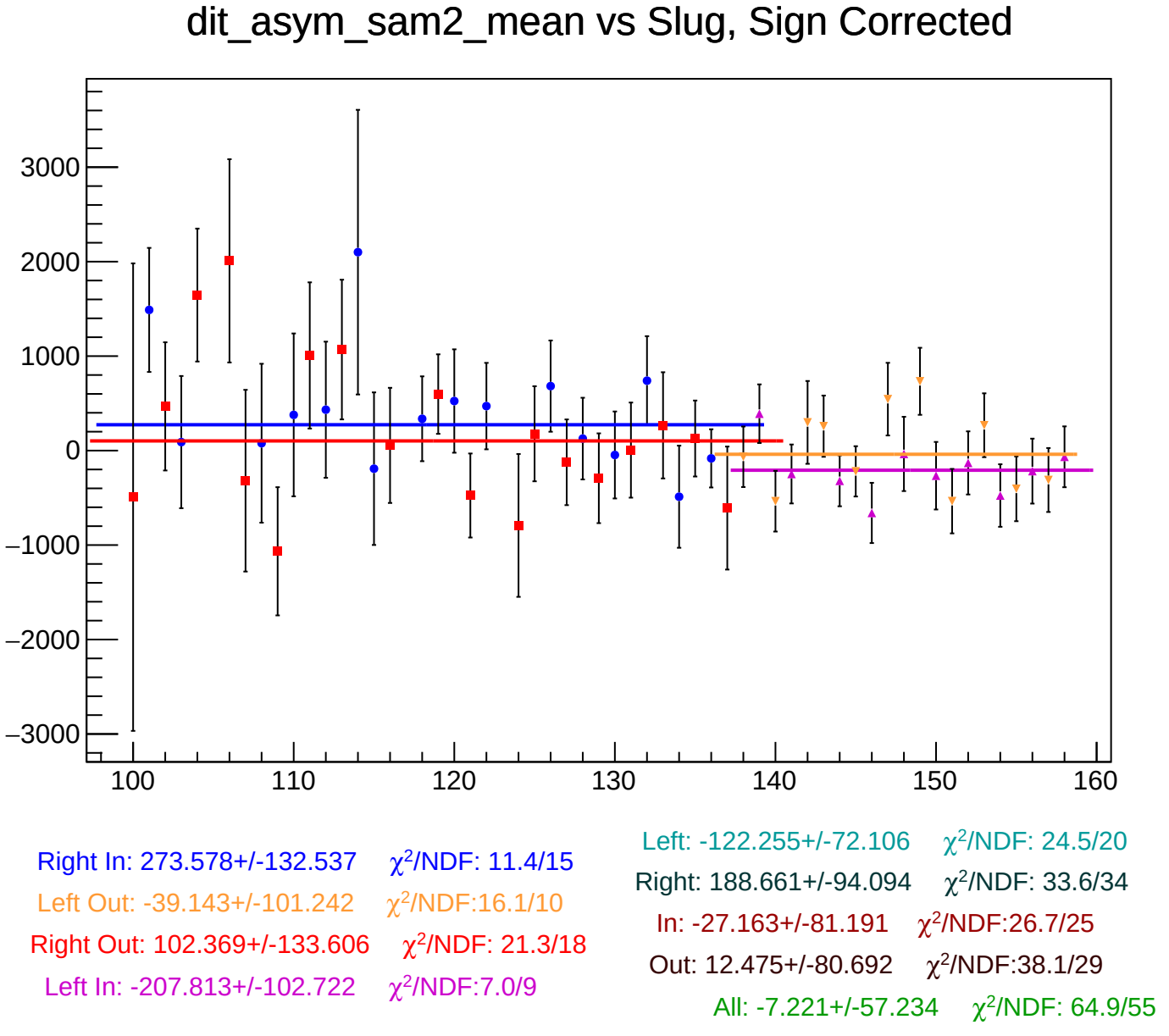
Left: 2167.500+/-0.372 χ^2/NDF: 623343.3/20

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

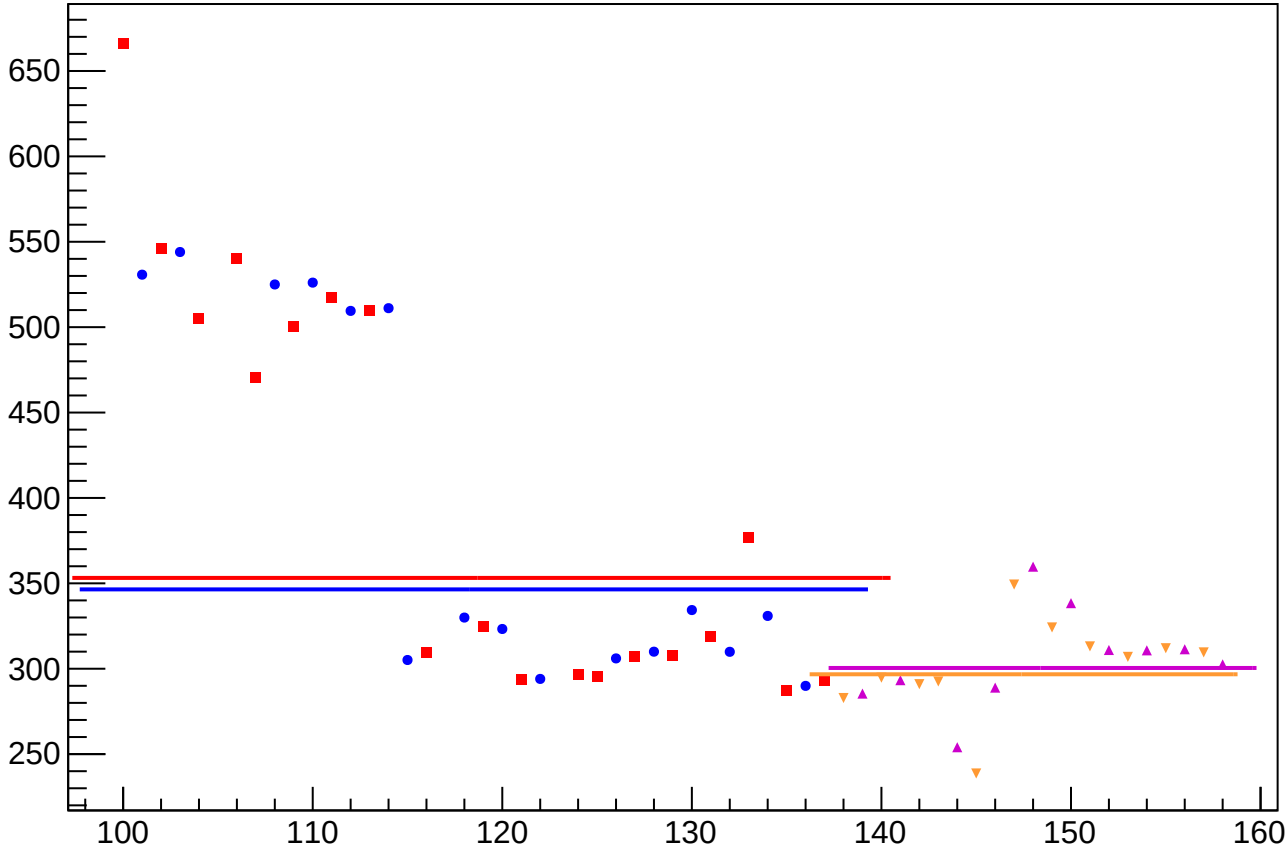
In: 2474.400+/-0.461 χ^2/NDF:2936404.1/25

Out: 2498.964+/-0.468 χ^2/NDF:3512422.9/29

All: 2486.508+/-0.328 χ^2/NDF: 6450225.7/55


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: 273.578+/-132.537 χ²/NDF: 11.4/15
Left Out: -39.143+/-101.242 χ²/NDF:16.1/10
Right Out: 102.369+/-133.606 χ²/NDF: 21.3/18
Left In: -207.813+/-102.722 χ²/NDF:7.0/9
Left: -122.255+/-72.106 χ²/NDF: 24.5/20
Right: 188.661+/-94.094 χ²/NDF: 33.6/34
In: -27.163+/-81.191 χ²/NDF:26.7/25
Out: 12.475+/-80.692 χ²/NDF:38.1/29
All: -7.221+/-57.234 χ²/NDF: 64.9/55

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 296.746+/-0.072 χ^2/NDF:162312.2/10

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 300.445+/-0.073 χ^2/NDF:141859.4/9

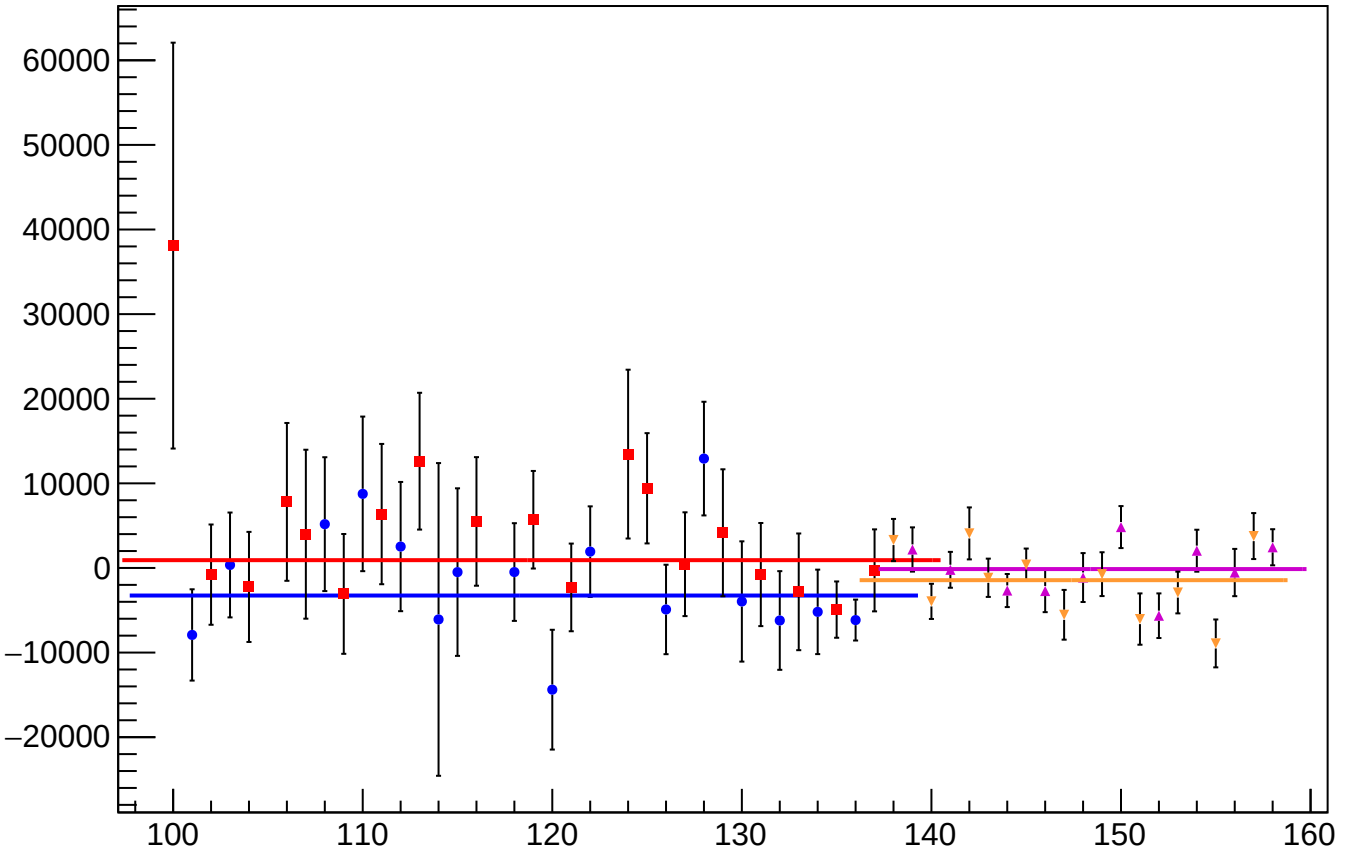
Left: 298.569+/-0.051 χ^2/NDF: 305487.2/20

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 317.711+/-0.057 χ^2/NDF:1061195.6/25

Out: 317.330+/-0.057 χ^2/NDF:1255329.1/29

All: 317.519+/-0.040 χ^2/NDF: 2316546.9/55



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1443.615+/-751.825 χ^2/NDF:24.6/10

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -131.155+/-760.982 χ^2/NDF:14.3/9

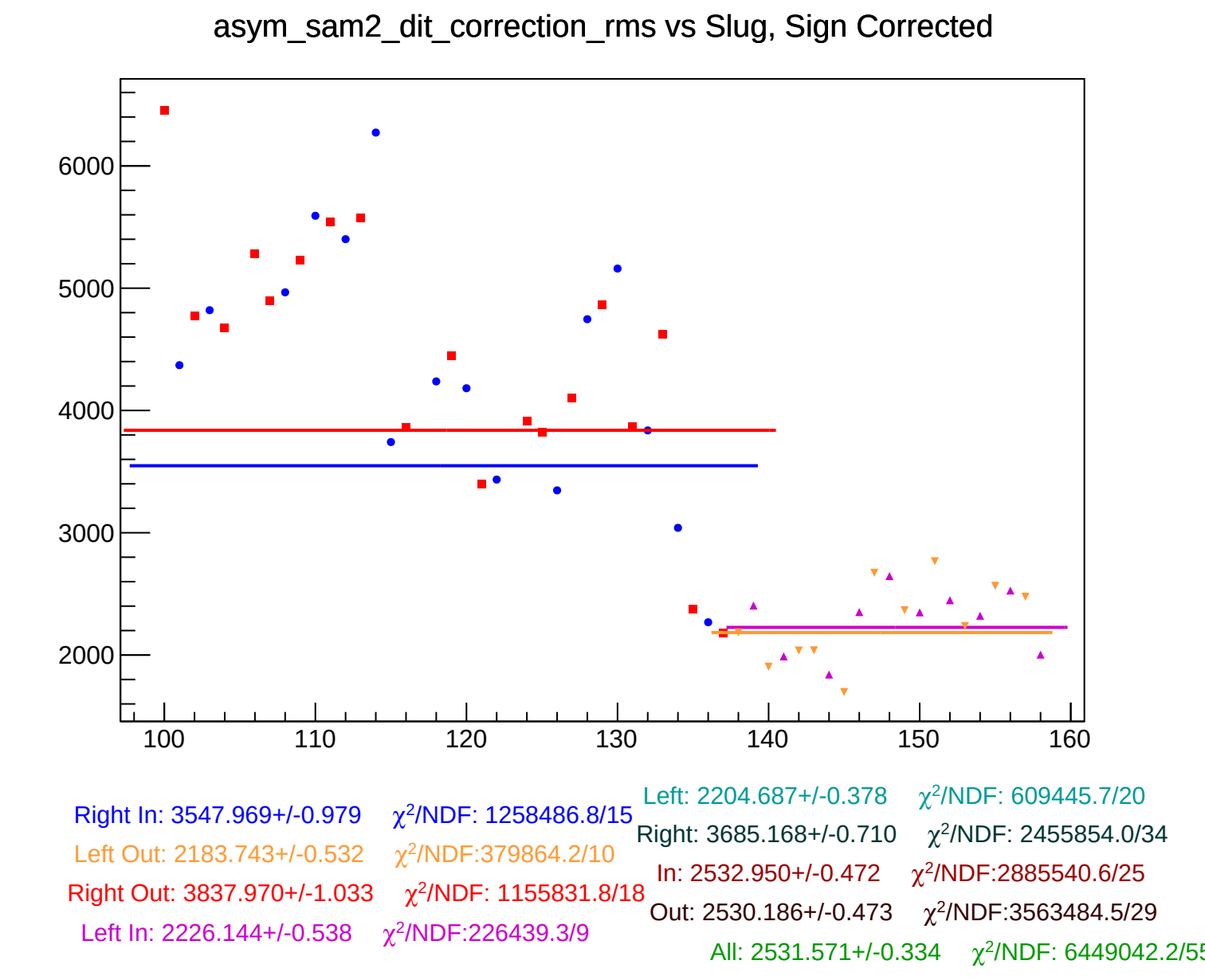
Left: -795.329+/-534.829 χ^2/NDF: 40.4/20

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

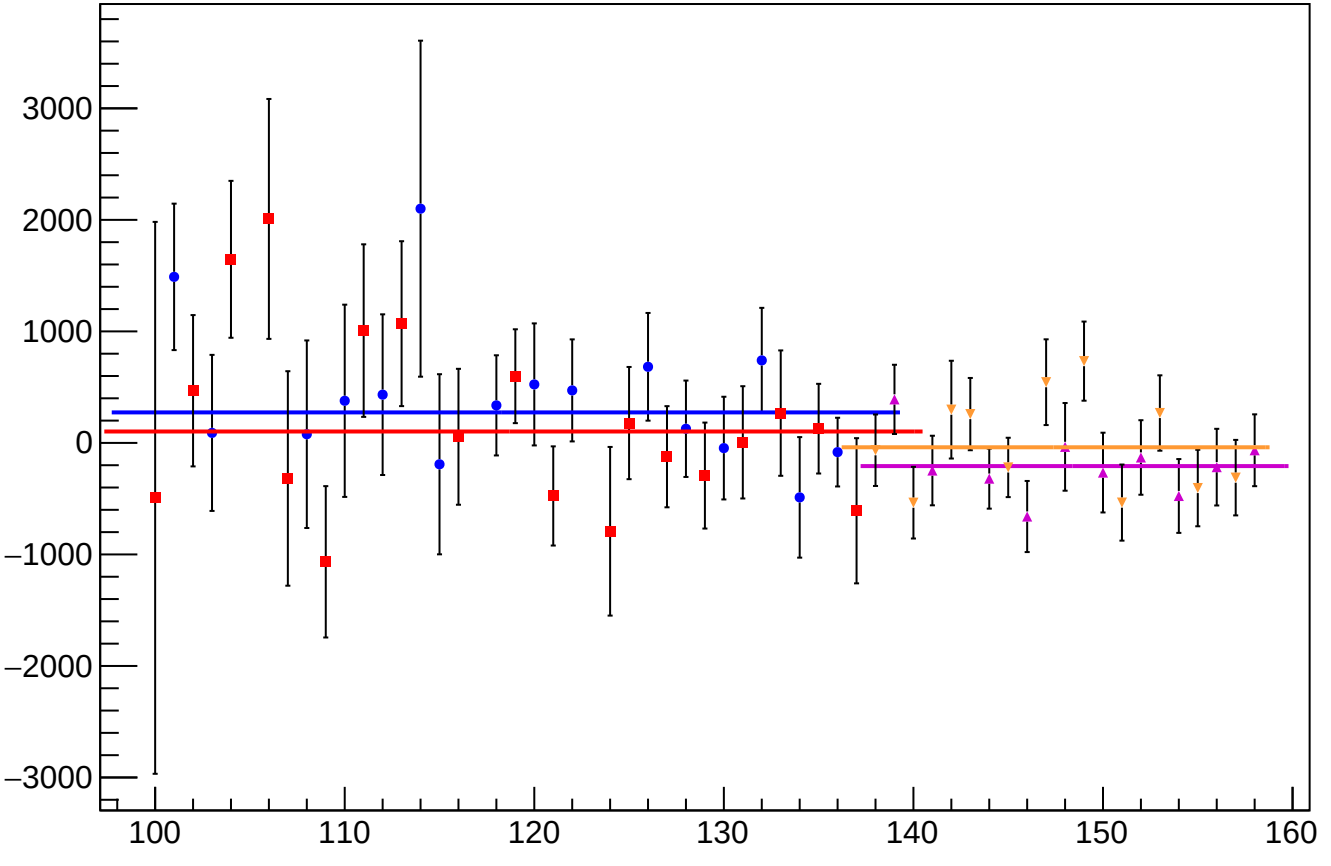
In: -857.114+/-666.845 χ^2/NDF:34.2/25

Out: -948.355+/-668.478 χ^2/NDF:41.3/29

All: -902.623+/-472.107 χ^2/NDF: 75.5/55


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3547.969+/-0.979 χ²/NDF: 1258486.8/15
Left Out: 2183.743+/-0.532 χ²/NDF:379864.2/10
Right Out: 3837.970+/-1.033 χ²/NDF: 1155831.8/18
Left In: 2226.144+/-0.538 χ²/NDF:226439.3/9
Left: 2204.687+/-0.378 χ²/NDF: 609445.7/20
Right: 3685.168+/-0.710 χ²/NDF: 2455854.0/34
In: 2532.950+/-0.472 χ²/NDF:2885540.6/25
Out: 2530.186+/-0.473 χ²/NDF:3563484.5/29
All: 2531.571+/-0.334 χ²/NDF: 6449042.2/55

eigen_dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -39.147+/-101.242 χ^2/NDF:16.1/10

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -207.816+/-102.722 χ^2/NDF:7.0/9

Left: -122.258+/-72.106 χ^2/NDF: 24.5/20

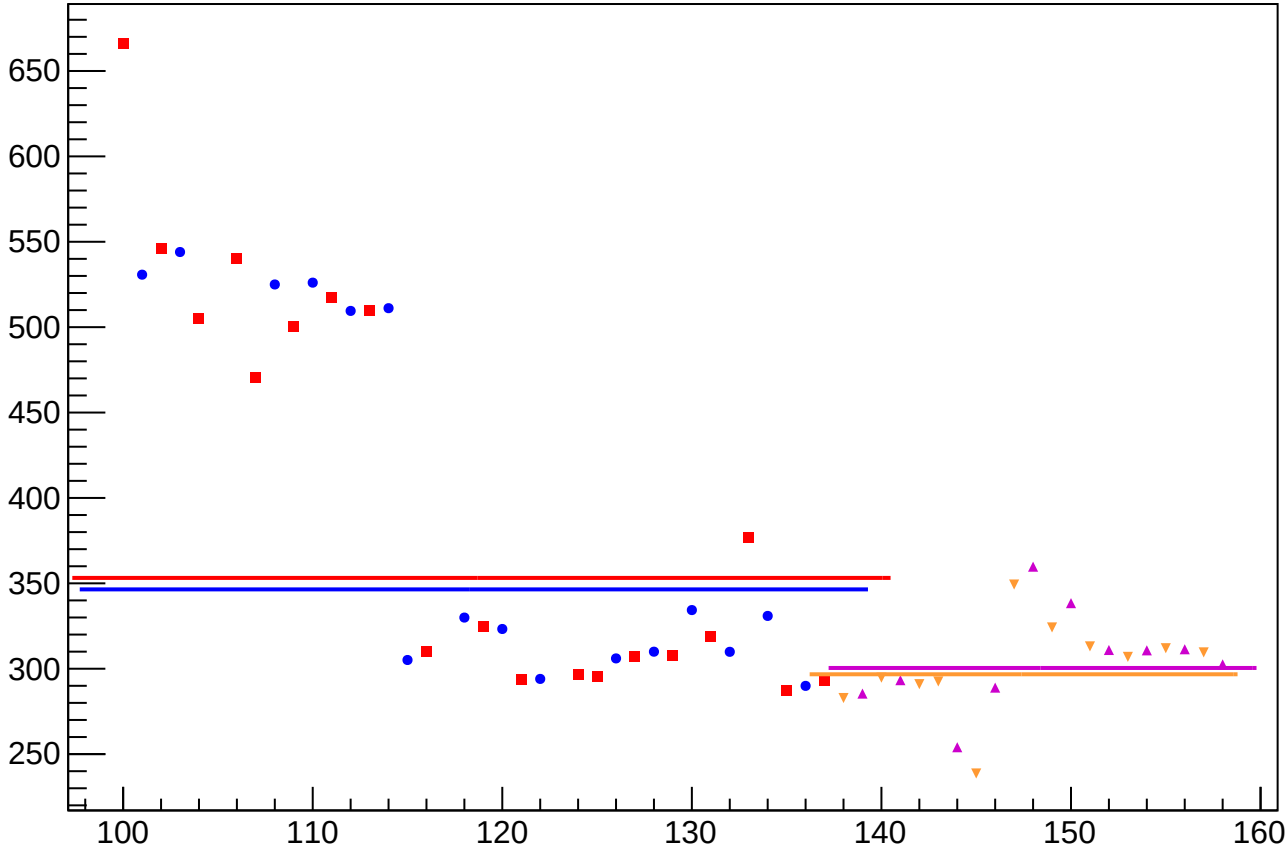
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -27.161+/-81.191 χ^2/NDF:26.7/25

Out: 12.473+/-80.692 χ^2/NDF:38.1/29

All: -7.222+/-57.233 χ^2/NDF: 64.9/55

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 296.746+/-0.072 χ^2/NDF:162315.7/10

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 300.445+/-0.073 χ^2/NDF:141861.0/9

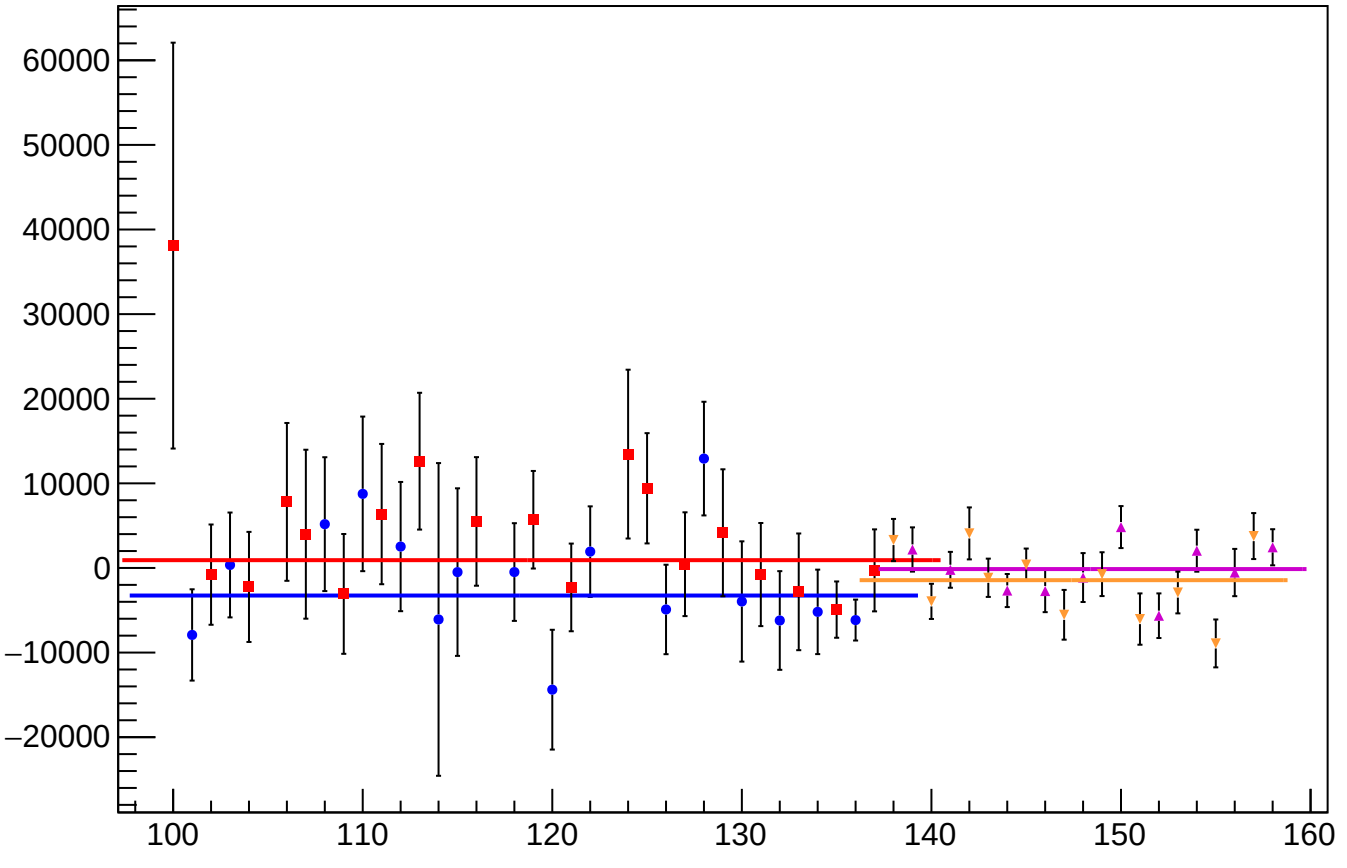
Left: 298.569+/-0.051 χ^2/NDF: 305492.2/20

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 317.711+/-0.057 χ^2/NDF:1061176.7/25

Out: 317.330+/-0.057 χ^2/NDF:1255311.1/29

All: 317.519+/-0.040 χ^2/NDF: 2316509.9/55



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1443.616+/-751.825 χ^2/NDF:24.6/10

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -131.154+/-760.982 χ^2/NDF:14.3/9

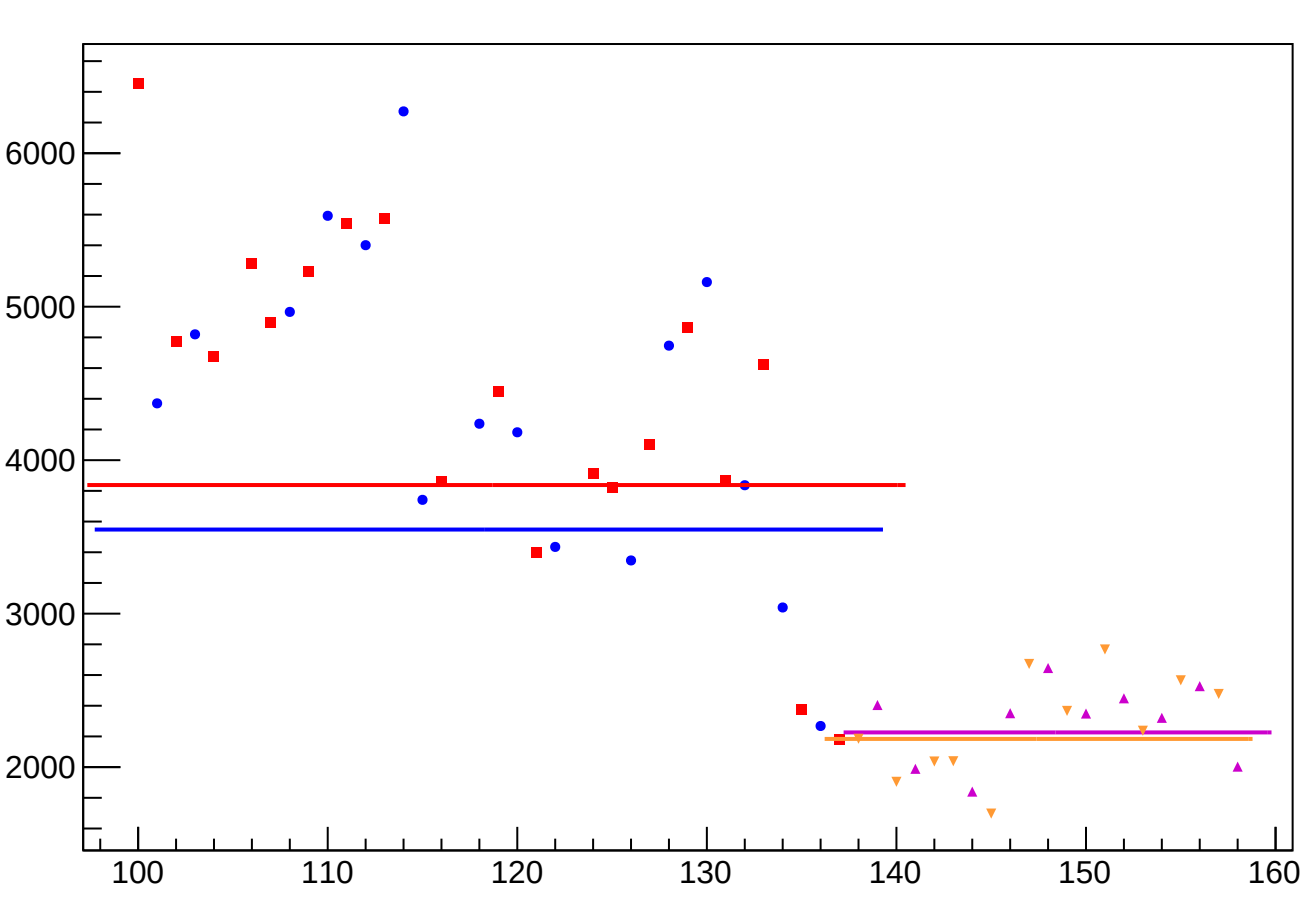
Left: -795.329+/-534.829 χ^2/NDF: 40.4/20

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -857.113+/-666.844 χ^2/NDF:34.2/25

Out: -948.354+/-668.478 χ^2/NDF:41.3/29

All: -902.622+/-472.107 χ^2/NDF: 75.5/55



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2183.742+/-0.532 χ^2/NDF:379870.7/10

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2226.144+/-0.538 χ^2/NDF:226440.8/9

Left: 2204.686+/-0.378 χ^2/NDF: 609453.8/20

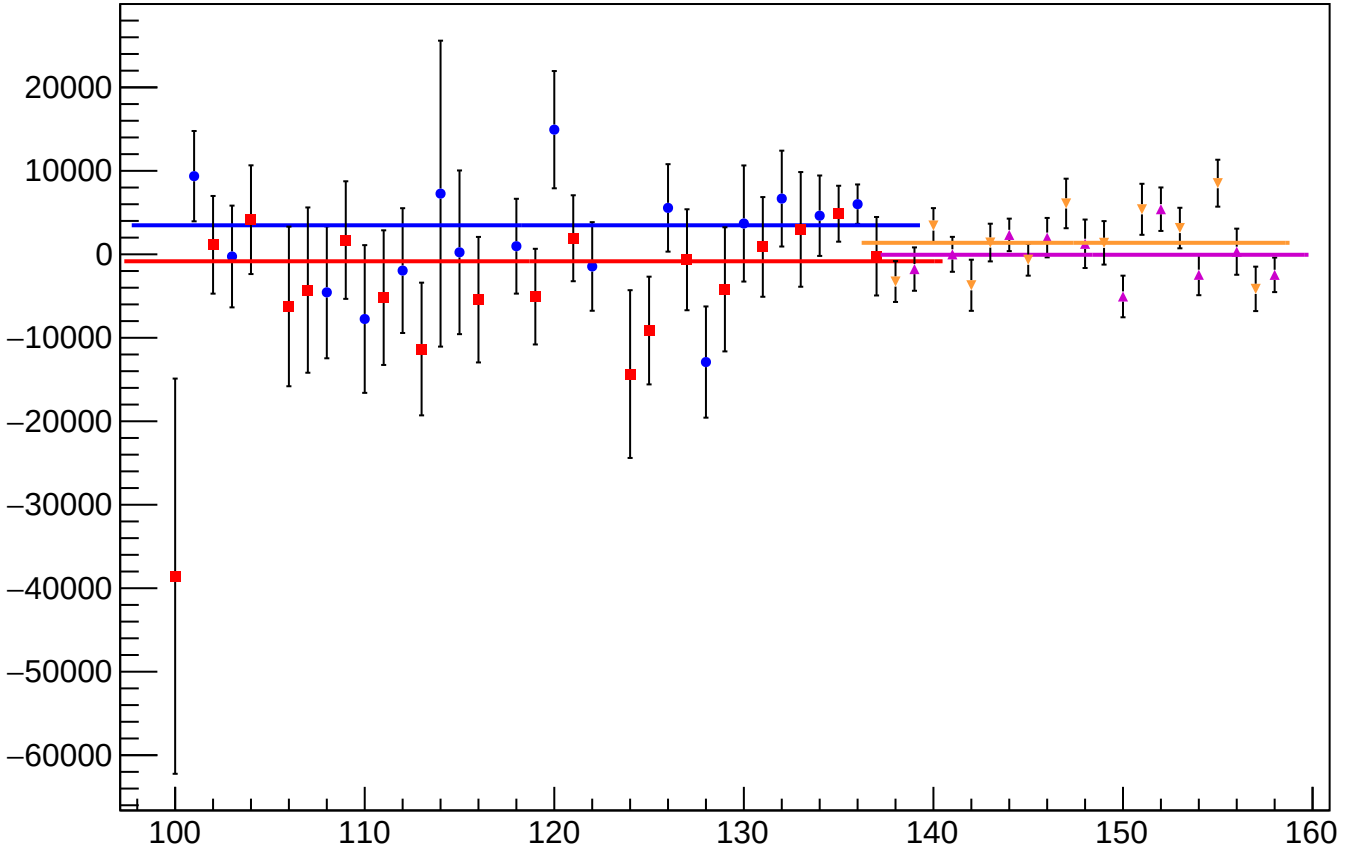
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2532.949+/-0.472 χ^2/NDF:2885525.8/25

Out: 2530.185+/-0.473 χ^2/NDF:3563477.8/29

All: 2531.570+/-0.334 χ^2/NDF: 6449020.7/55

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1378.970+/-749.648 χ^2/NDF:24.0/10

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -54.529+/-749.942 χ^2/NDF:13.6/9

Left: 662.501+/-530.185 χ^2/NDF: 39.4/20

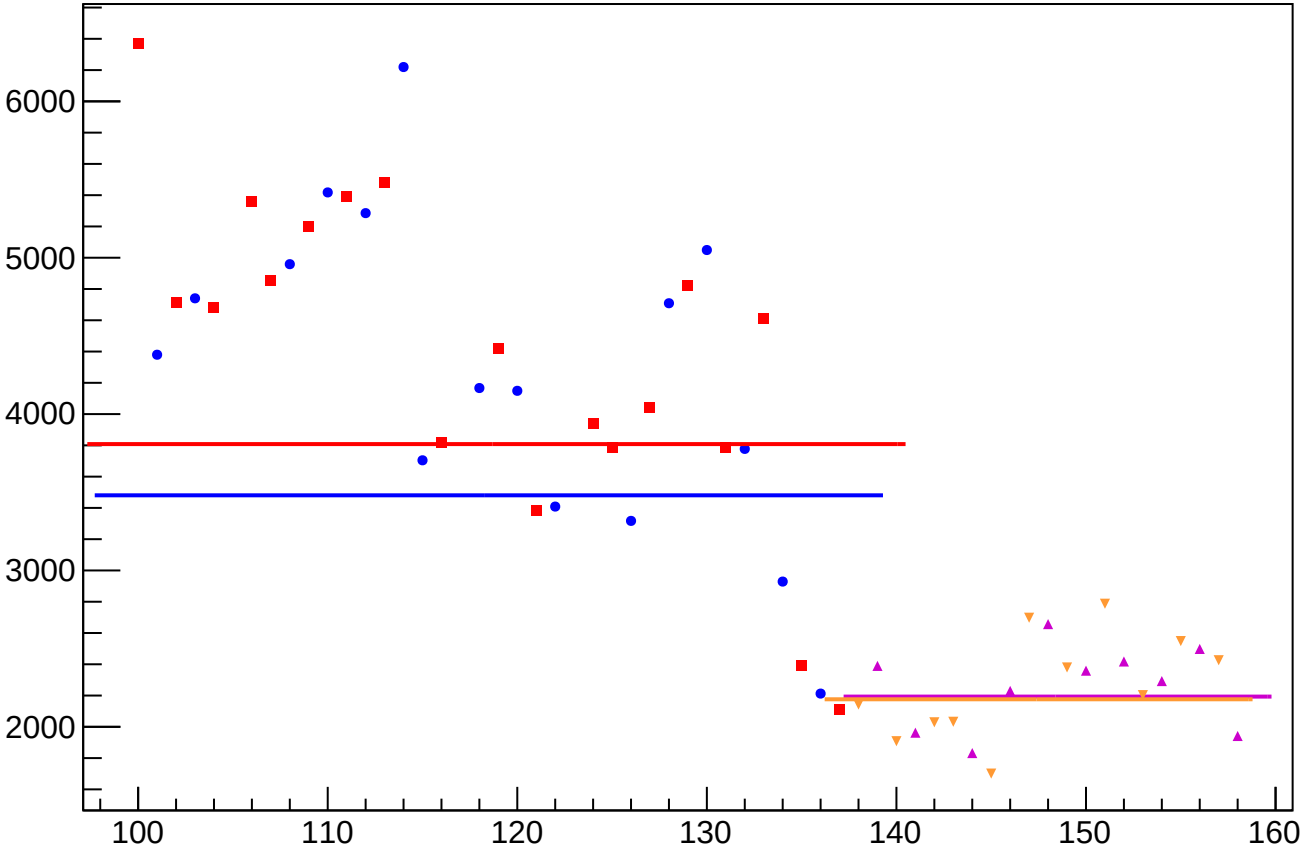
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 768.913+/-656.755 χ^2/NDF:35.1/25

Out: 912.346+/-665.883 χ^2/NDF:39.9/29

All: 839.639+/-467.590 χ^2/NDF: 75.0/55

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2176.096+/-0.530 χ^2/NDF:376939.4/10

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2193.326+/-0.530 χ^2/NDF:237071.1/9

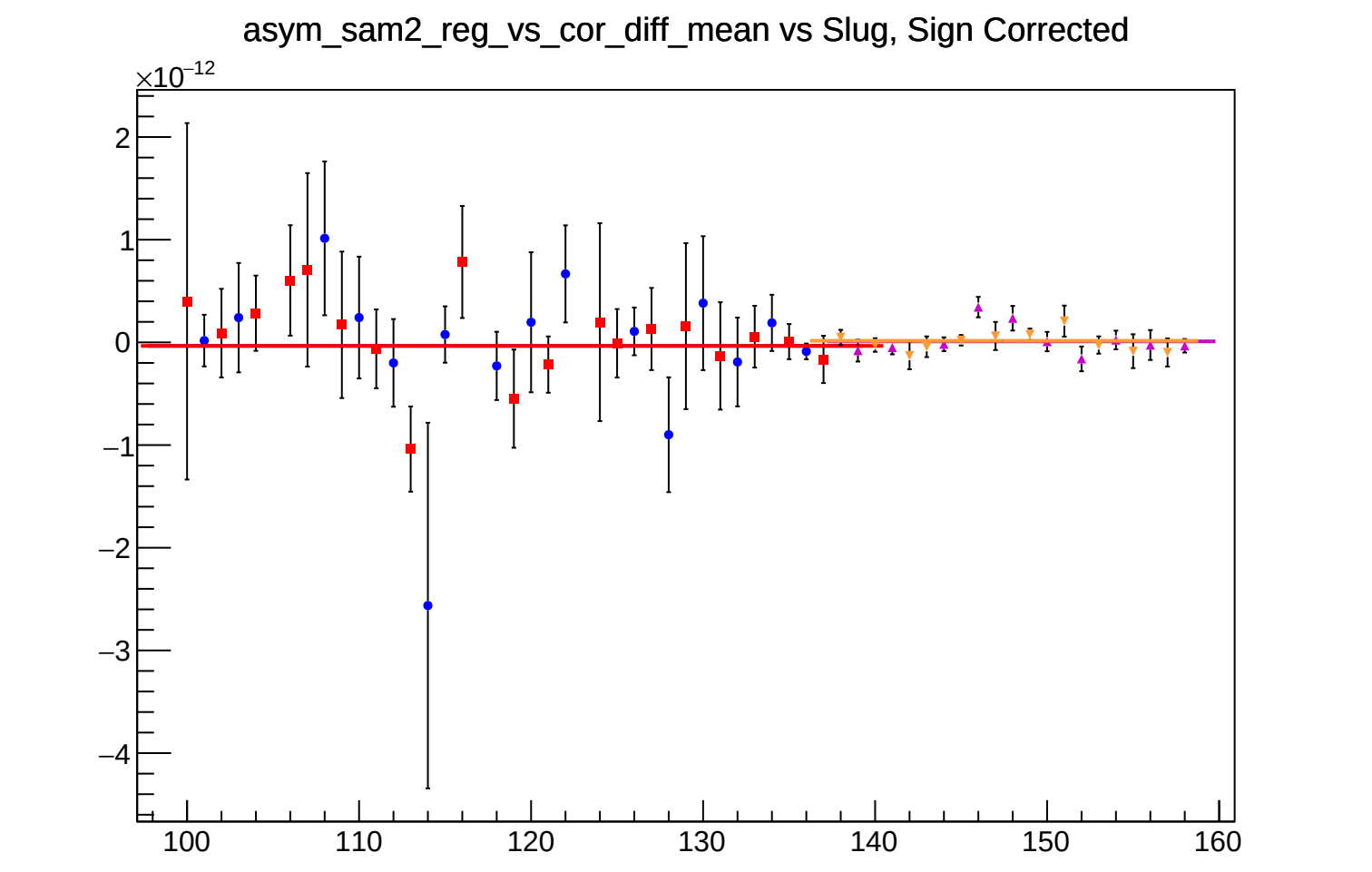
Left: 2184.707+/-0.375 χ^2/NDF: 614538.6/20

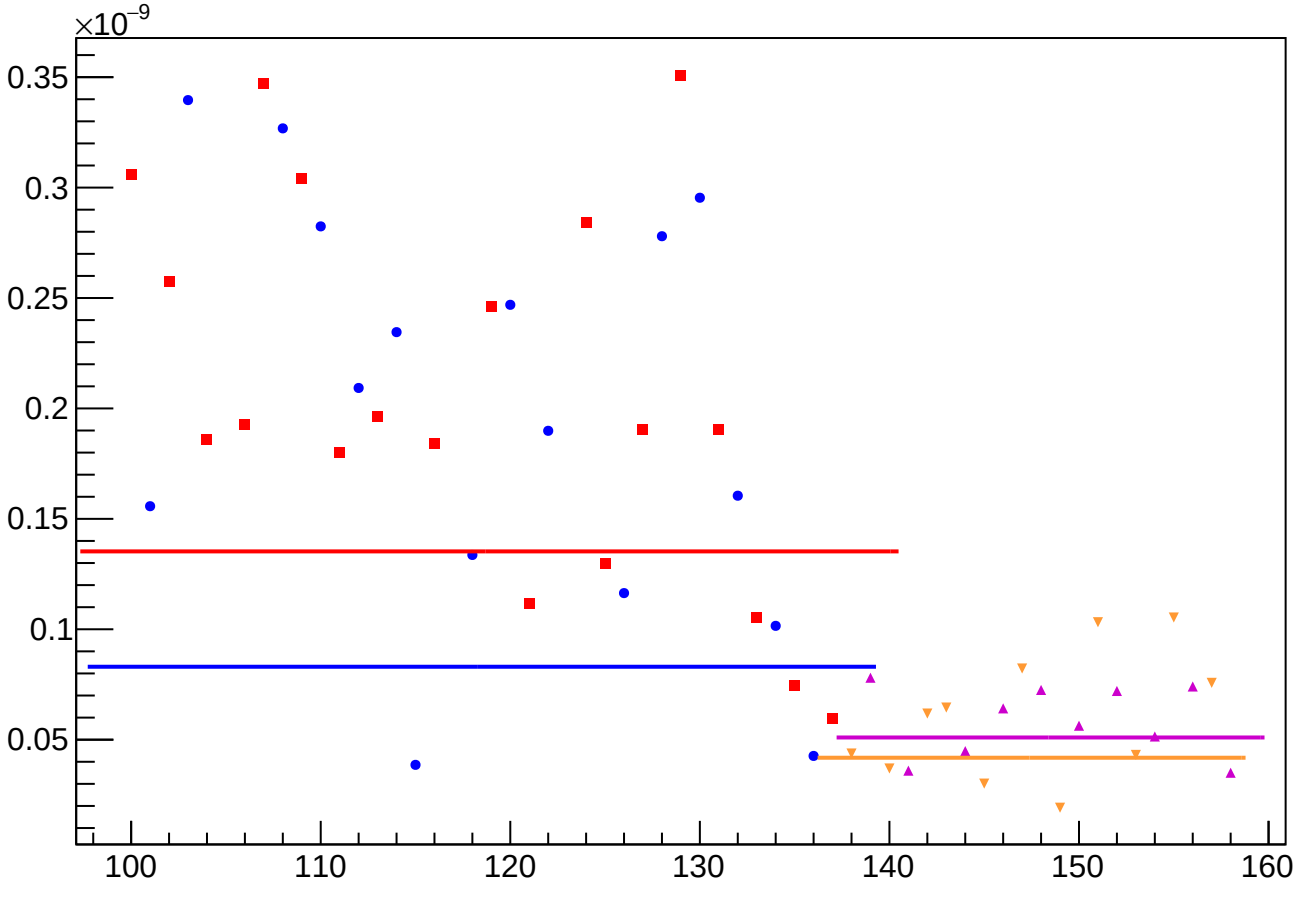
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2493.352+/-0.464 χ^2/NDF:2907091.7/25

Out: 2520.449+/-0.471 χ^2/NDF:3524617.7/29

All: 2506.714+/-0.331 χ^2/NDF: 6433388.2/55


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.4/10
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:19.0/9
Left: 0.000+/-0.000 χ²/NDF: 25.5/20
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:31.4/25
Out: 0.000+/-0.000 χ²/NDF:20.2/29
All: 0.000+/-0.000 χ²/NDF: 51.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1517912.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:581616.7/9

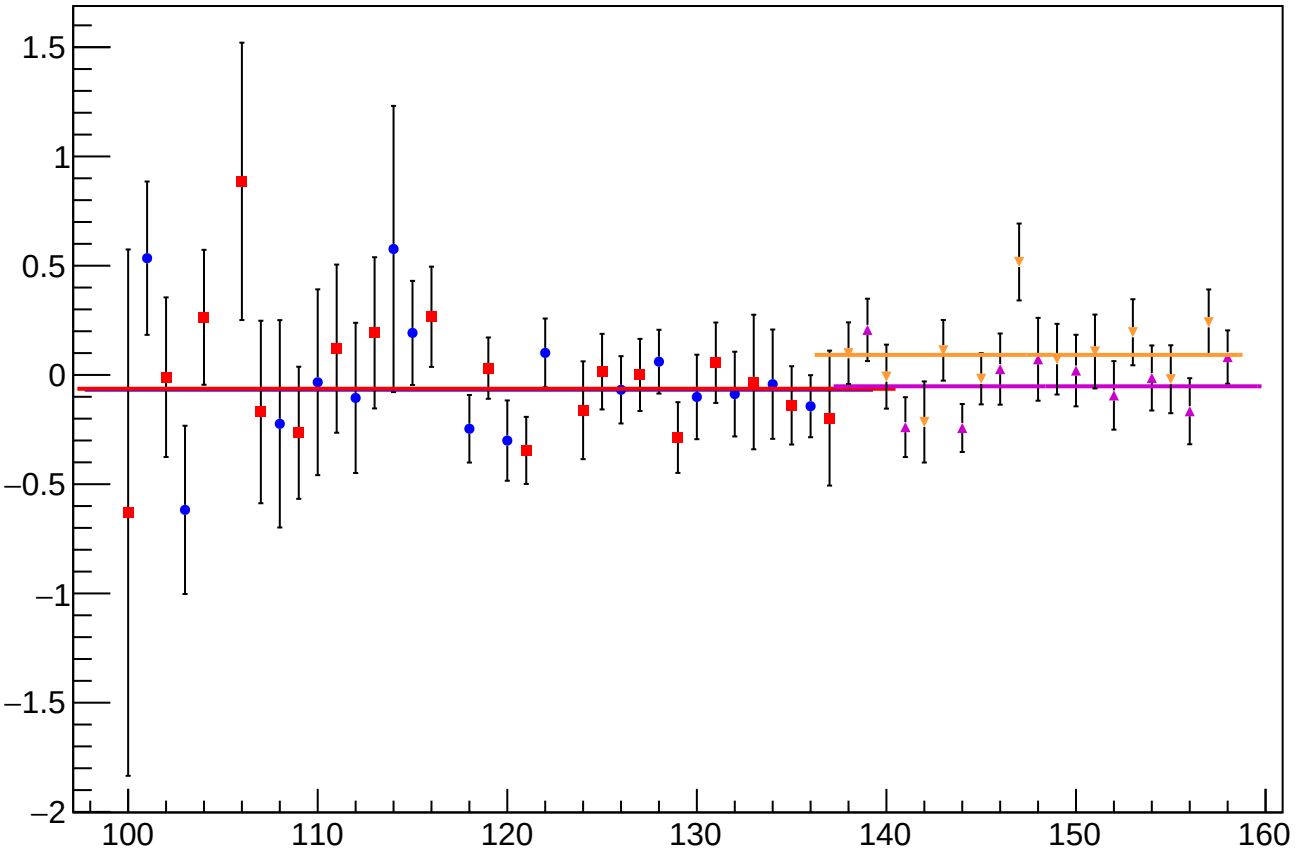
Left: 0.000+/-0.000 χ^2/NDF: 2219452.9/20

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3745106.9/25

Out: 0.000+/-0.000 χ^2/NDF:5151380.7/29

All: 0.000+/-0.000 χ^2/NDF: 8984358.6/55



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.052+/-0.045 χ^2/NDF:10.9/9

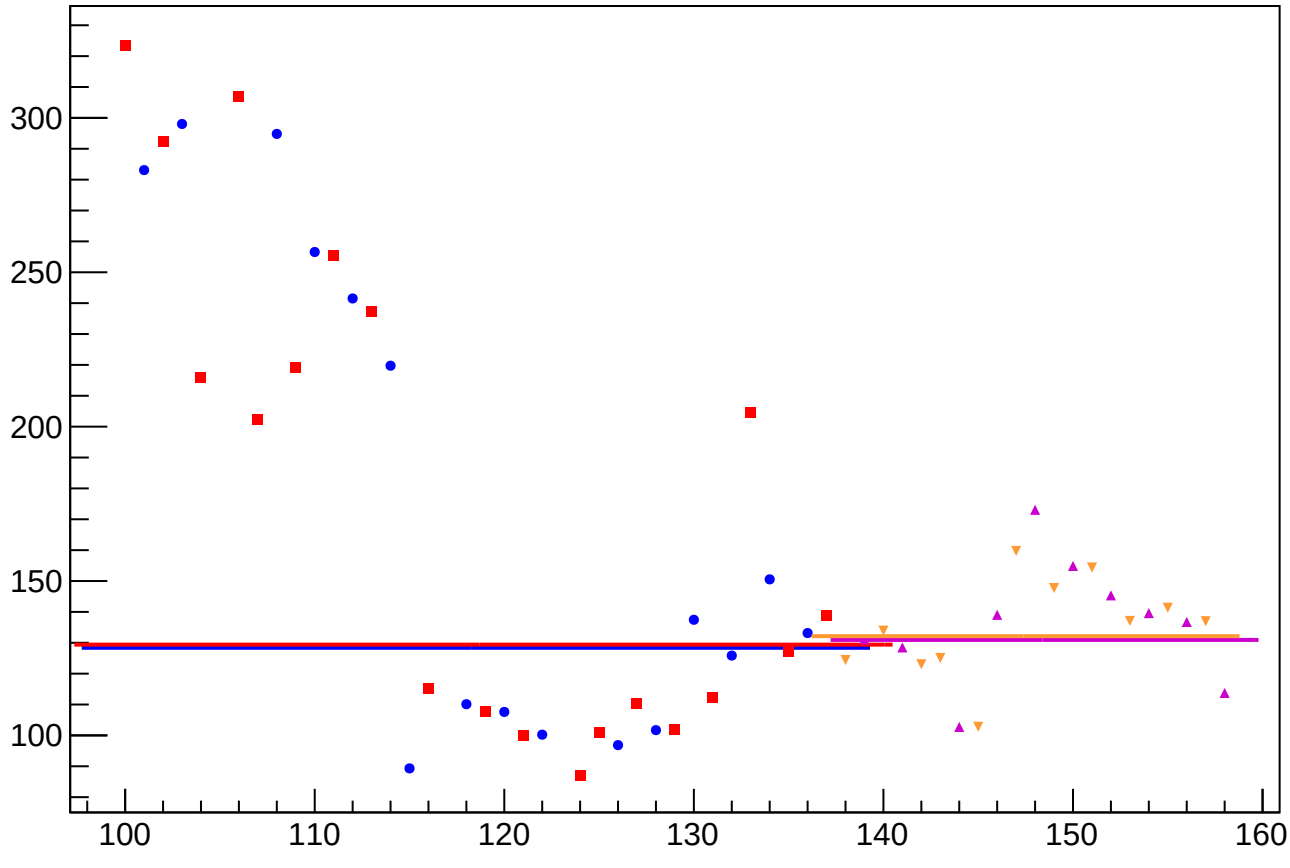
Left: 0.020+/-0.032 χ^2/NDF: 27.9/20

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.059+/-0.034 χ^2/NDF:23.4/25

Out: 0.024+/-0.034 χ^2/NDF:31.1/29

All: -0.017+/-0.024 χ^2/NDF: 57.4/55



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 132.144+/-0.032 χ^2/NDF:255289.7/10

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.922+/-0.032 χ^2/NDF:345314.6/9

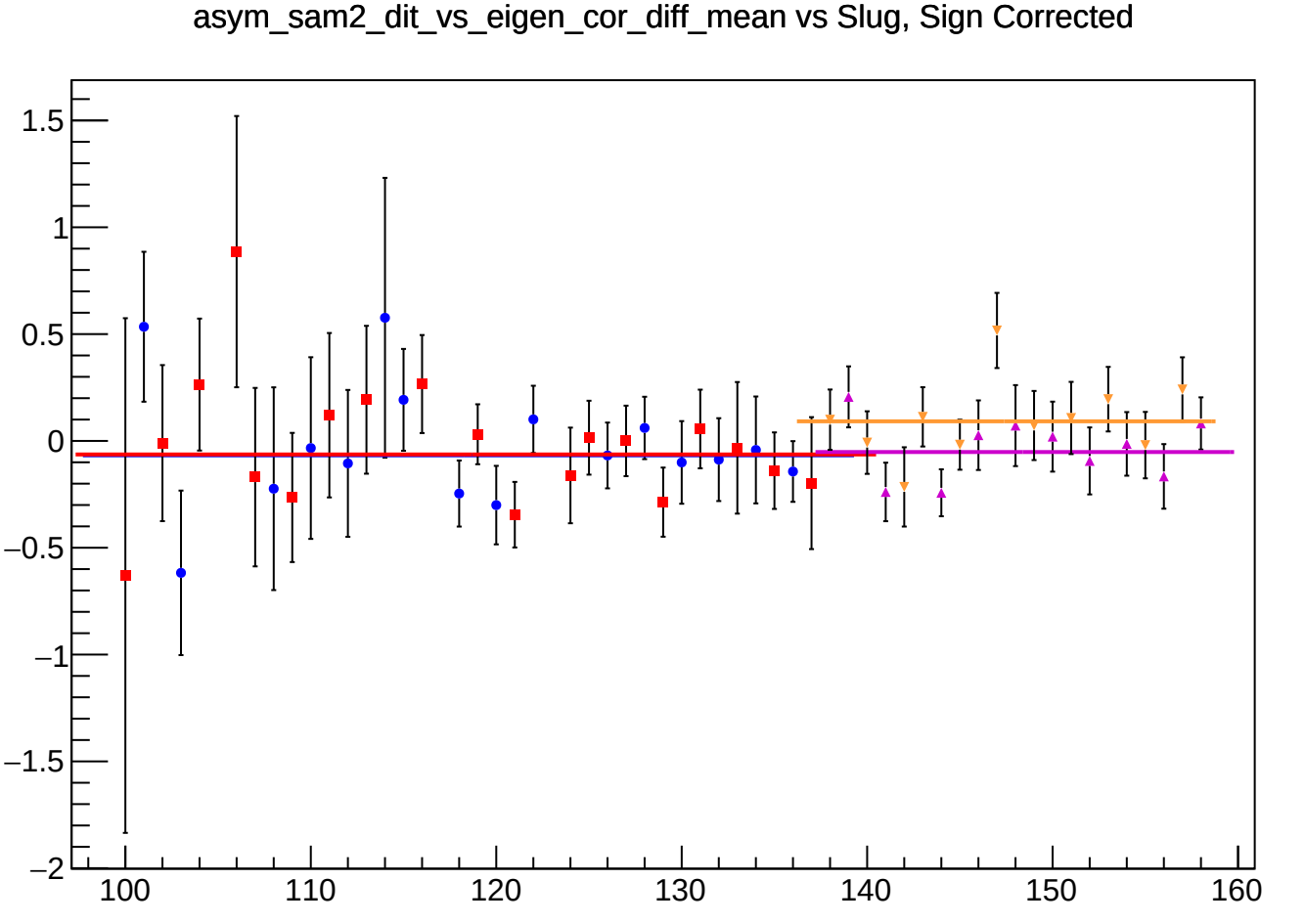
Left: 131.534+/-0.023 χ^2/NDF: 601328.4/20

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.817+/-0.024 χ^2/NDF:2153119.4/25

Out: 130.947+/-0.024 χ^2/NDF:2146751.6/29

All: 130.383+/-0.017 χ^2/NDF: 4300969.8/55



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.052+/-0.045 χ^2/NDF:10.9/9

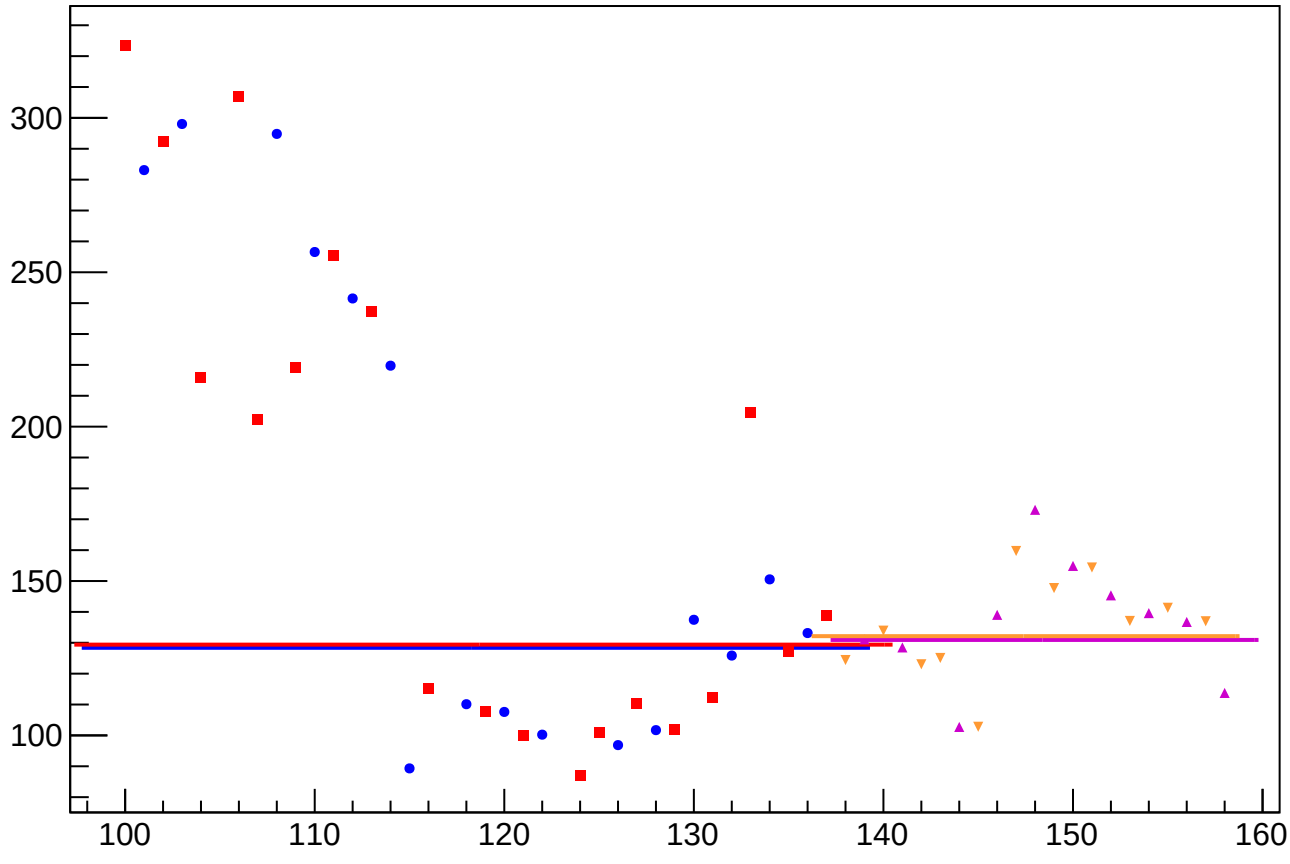
Left: 0.020+/-0.032 χ^2/NDF: 27.9/20

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.059+/-0.034 χ^2/NDF:23.4/25

Out: 0.024+/-0.034 χ^2/NDF:31.1/29

All: -0.017+/-0.024 χ^2/NDF: 57.4/55



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 132.144+/-0.032 χ^2/NDF:255289.7/10

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.922+/-0.032 χ^2/NDF:345314.6/9

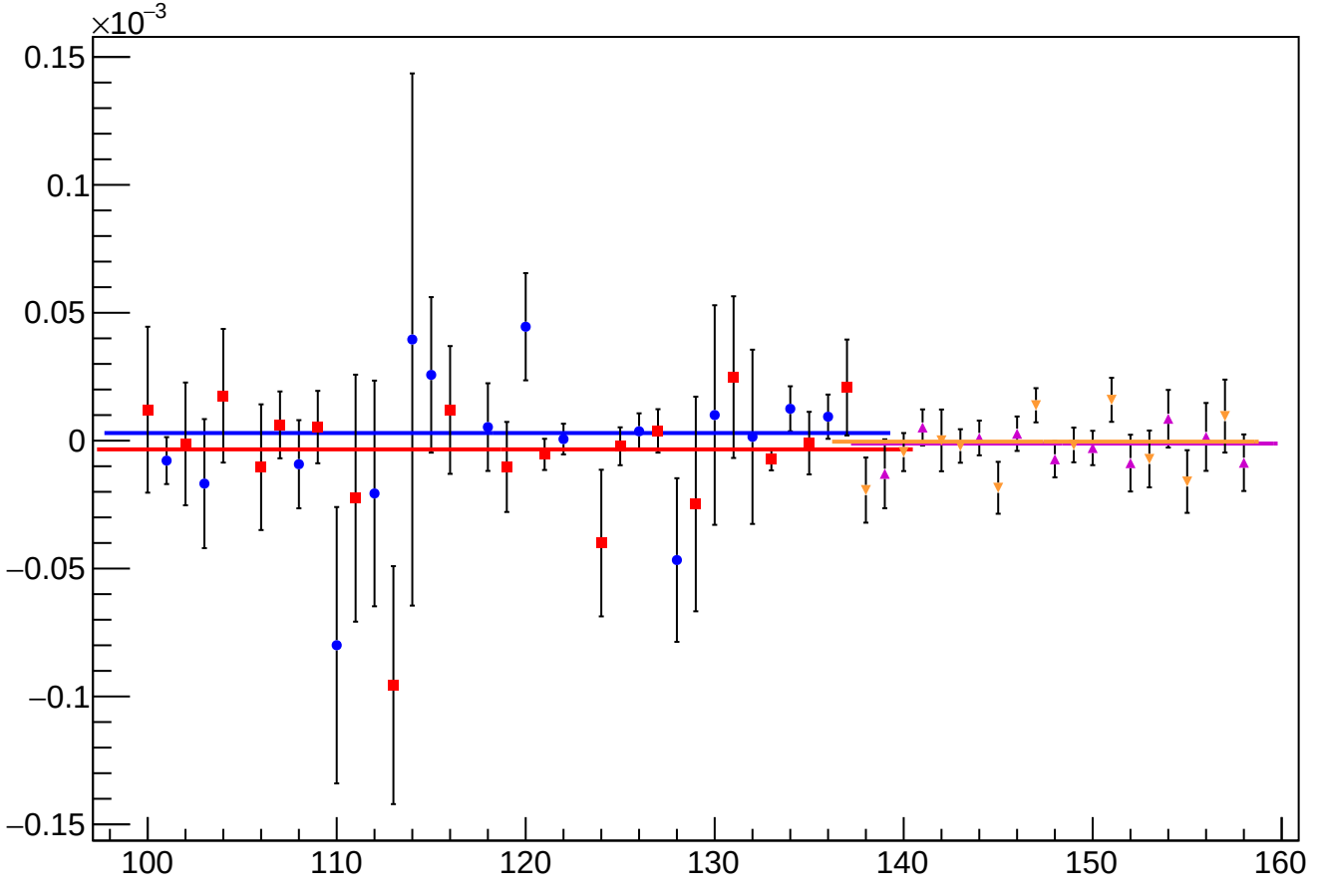
Left: 131.534+/-0.023 χ^2/NDF: 601328.4/20

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.817+/-0.024 χ^2/NDF:2153119.4/25

Out: 130.947+/-0.024 χ^2/NDF:2146751.6/29

All: 130.383+/-0.017 χ^2/NDF: 4300969.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/9

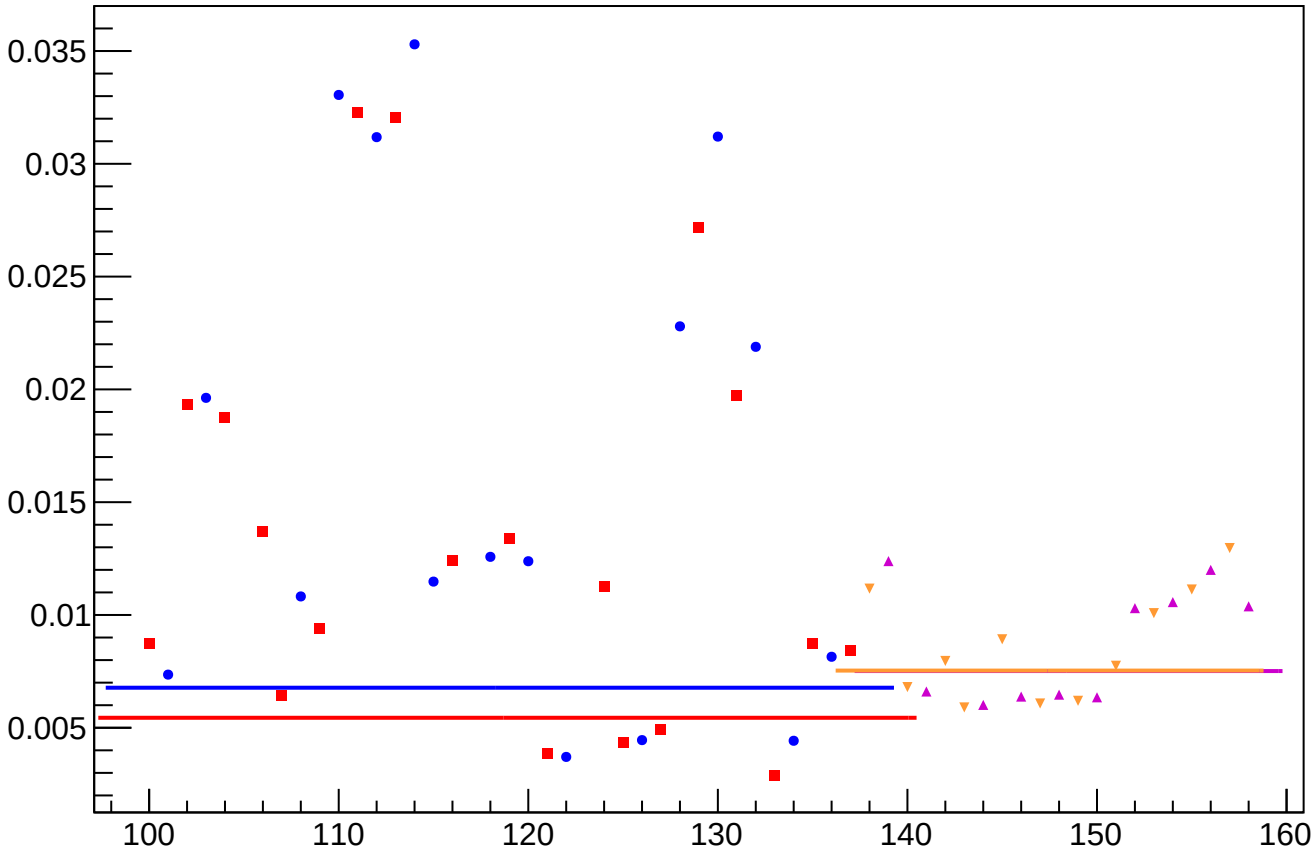
Left: -0.000+/-0.000 χ^2/NDF: 21.0/20

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:19.6/25

Out: -0.000+/-0.000 χ^2/NDF:29.6/29

All: -0.000+/-0.000 χ^2/NDF: 50.1/55



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1088533.6/10

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1189567.0/9

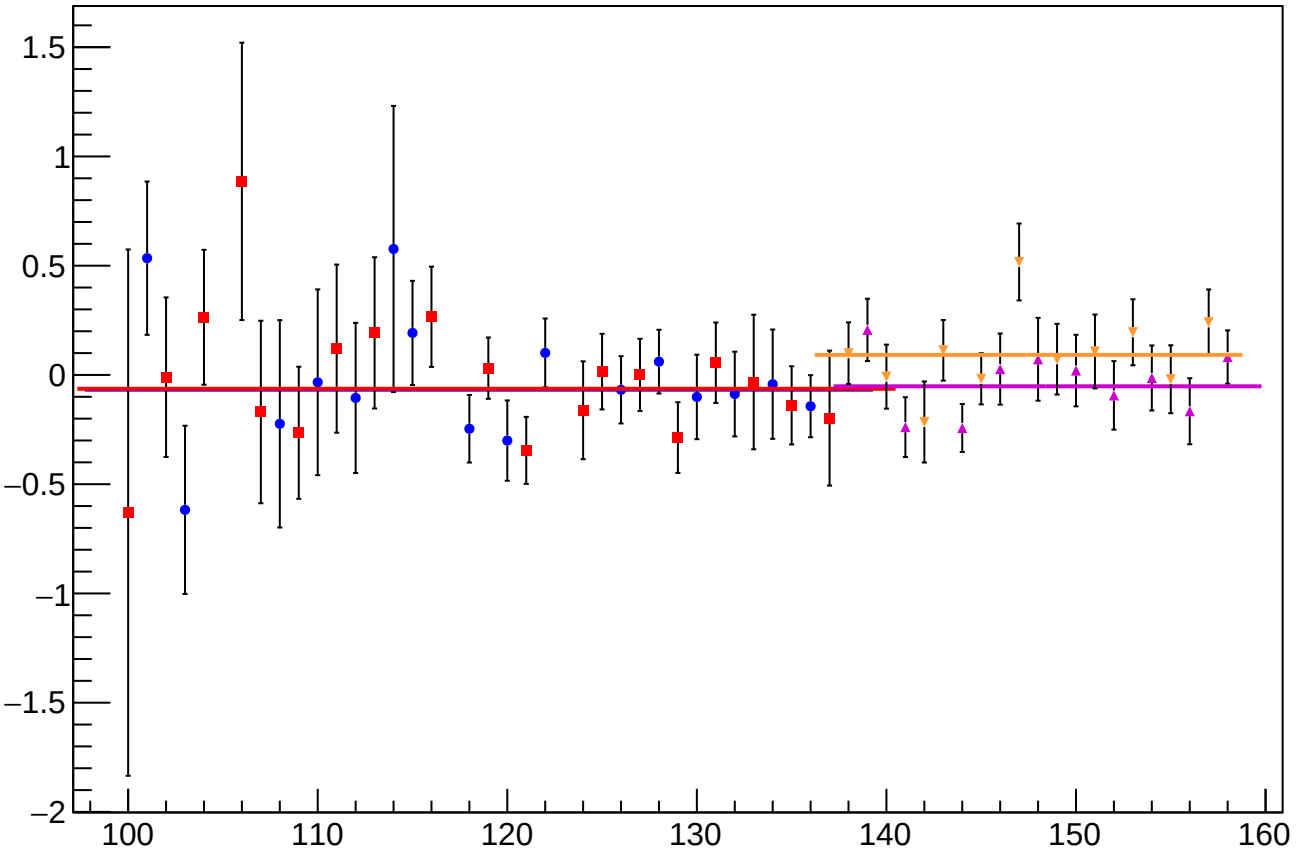
Left: 0.008+/-0.000 χ^2/NDF: 2278162.3/20

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:6026235.1/25

Out: 0.006+/-0.000 χ^2/NDF:7294940.2/29

All: 0.007+/-0.000 χ^2/NDF: 13466872.7/55



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.052+/-0.045 χ^2/NDF:10.9/9

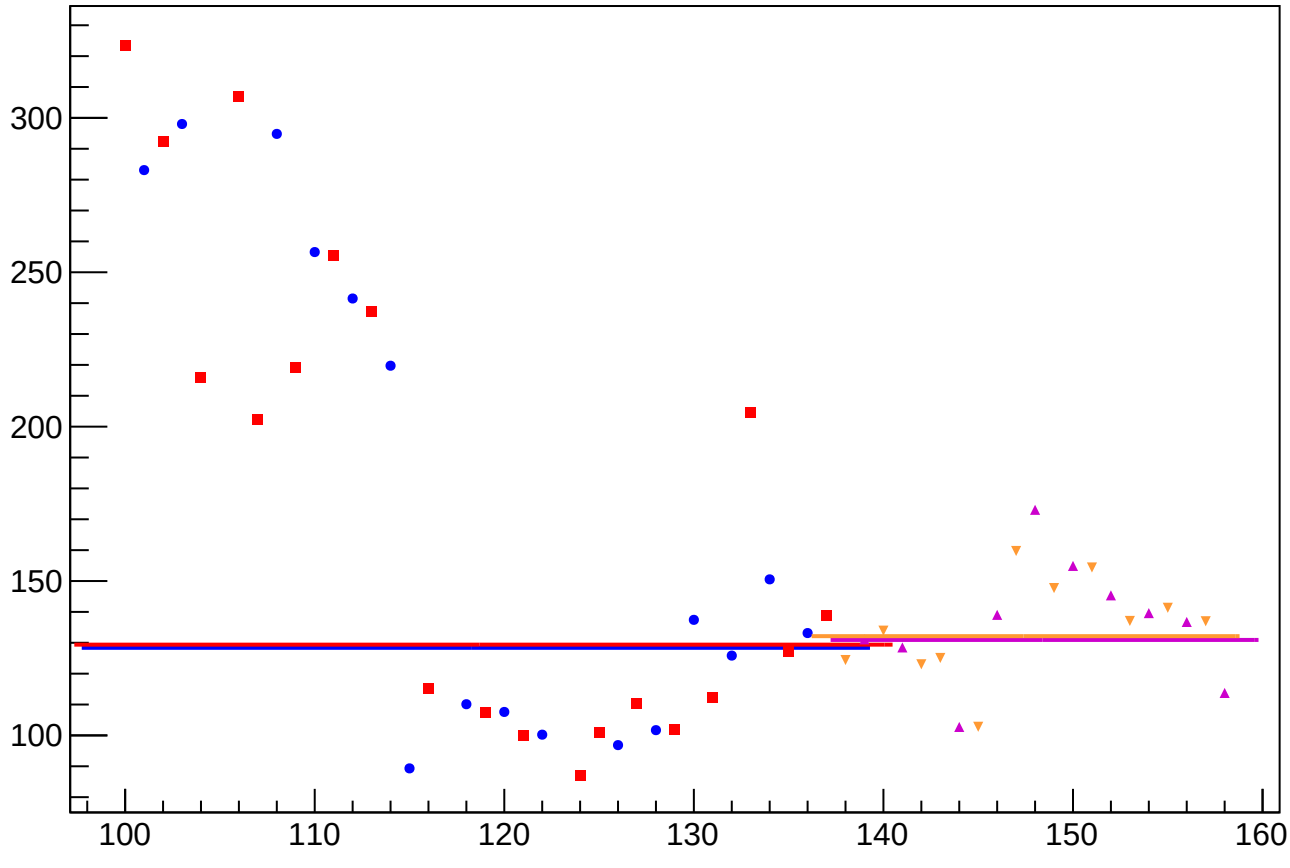
Left: 0.020+/-0.032 χ^2/NDF: 27.9/20

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.059+/-0.034 χ^2/NDF:23.4/25

Out: 0.024+/-0.034 χ^2/NDF:31.1/29

All: -0.017+/-0.024 χ^2/NDF: 57.4/55



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 132.144+/-0.032 χ^2/NDF:255310.5/10

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.922+/-0.032 χ^2/NDF:345329.8/9

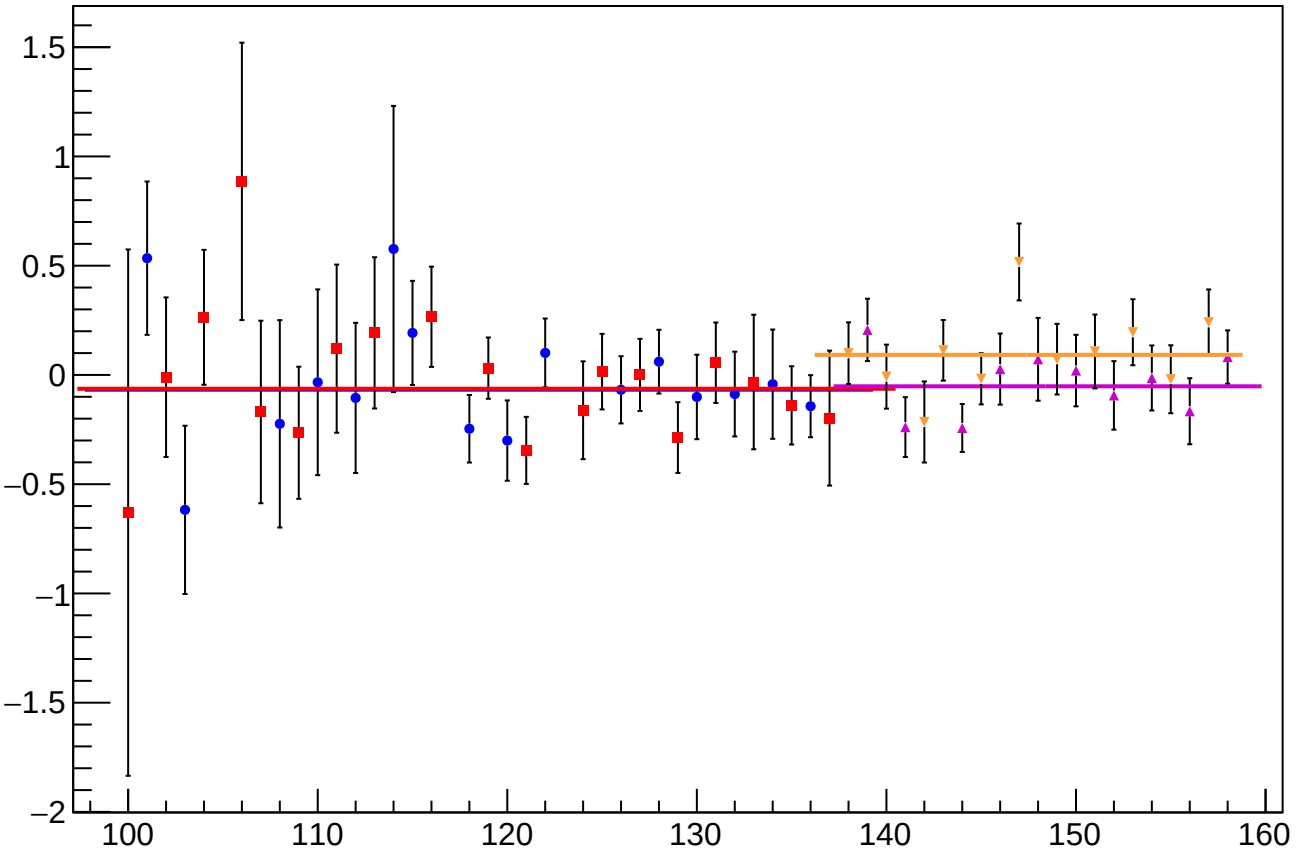
Left: 131.534+/-0.023 χ^2/NDF: 601365.0/20

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.815+/-0.024 χ^2/NDF:2153088.6/25

Out: 130.946+/-0.024 χ^2/NDF:2146781.6/29

All: 130.382+/-0.017 χ^2/NDF: 4300969.4/55



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.052+/-0.045 χ^2/NDF:10.9/9

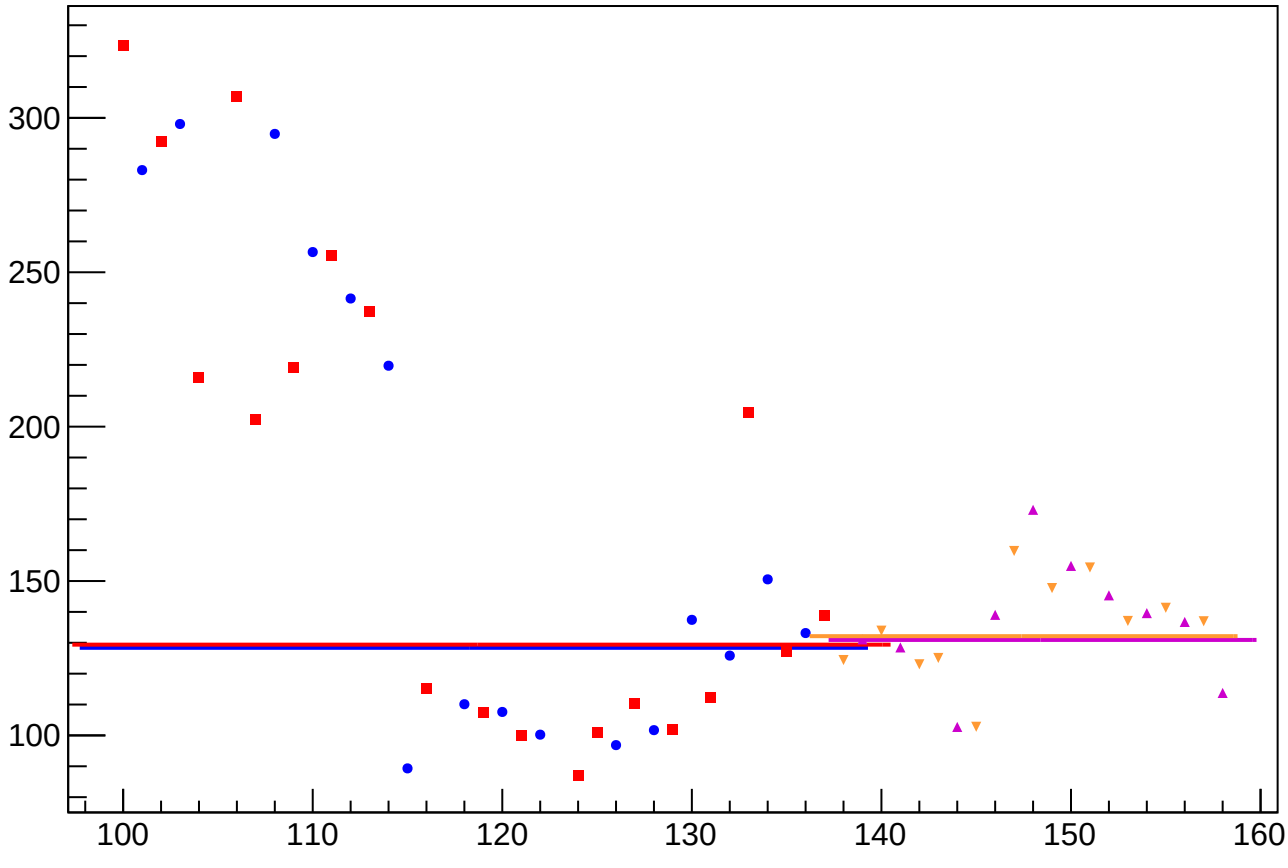
Left: 0.020+/-0.032 χ^2/NDF: 27.9/20

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.059+/-0.034 χ^2/NDF:23.4/25

Out: 0.024+/-0.034 χ^2/NDF:31.1/29

All: -0.017+/-0.024 χ^2/NDF: 57.4/55



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 132.144+/-0.032 χ^2/NDF:255310.5/10

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.922+/-0.032 χ^2/NDF:345329.8/9

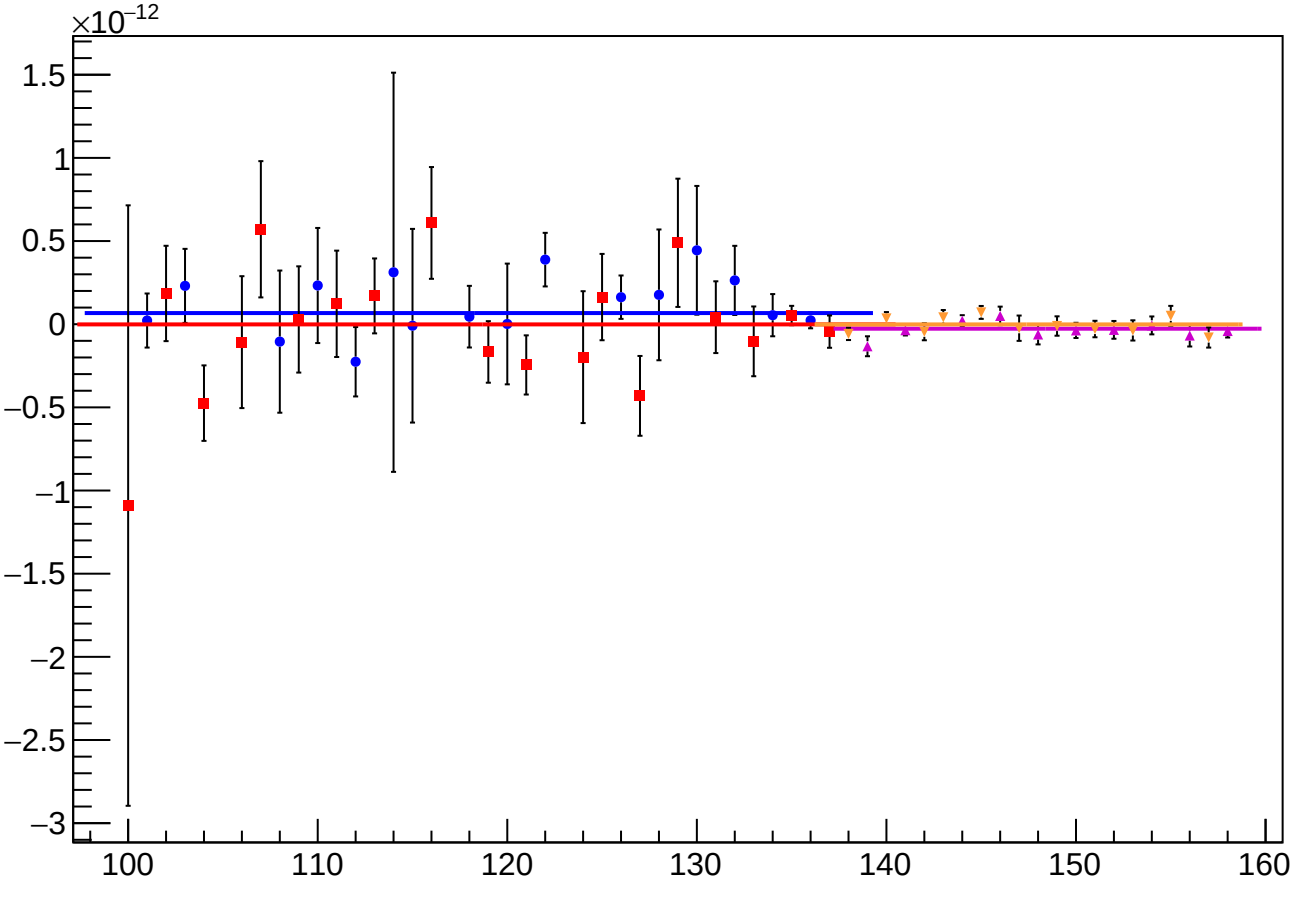
Left: 131.534+/-0.023 χ^2/NDF: 601365.0/20

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.815+/-0.024 χ^2/NDF:2153088.6/25

Out: 130.946+/-0.024 χ^2/NDF:2146781.6/29

All: 130.382+/-0.017 χ^2/NDF: 4300969.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/9

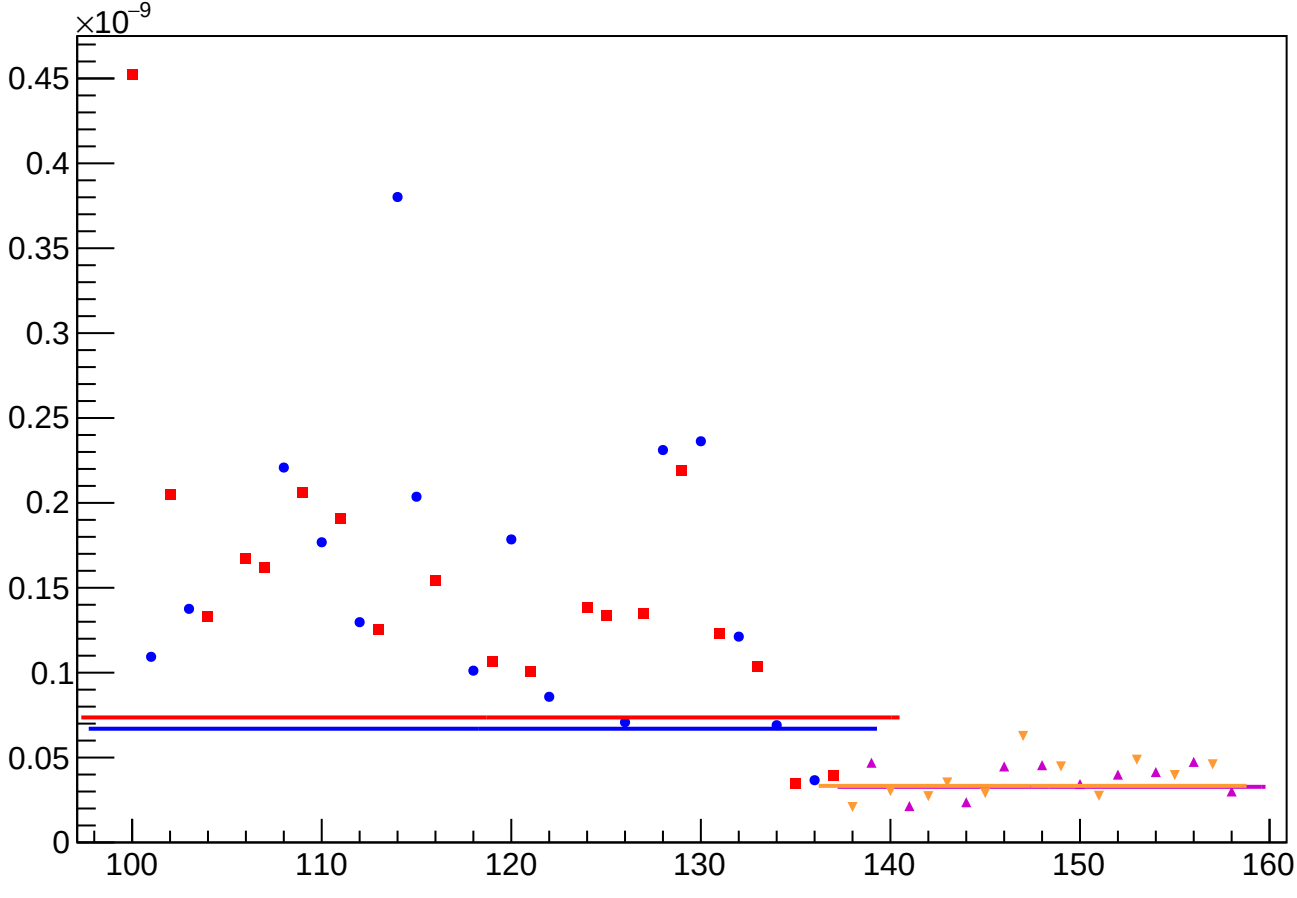
Left: -0.000+/-0.000 χ^2/NDF: 21.3/20

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:24.3/25

Out: -0.000+/-0.000 χ^2/NDF:32.3/29

All: -0.000+/-0.000 χ^2/NDF: 57.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:940238.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:898099.5/9

Left: 0.000+/-0.000 χ^2/NDF: 1839891.0/20

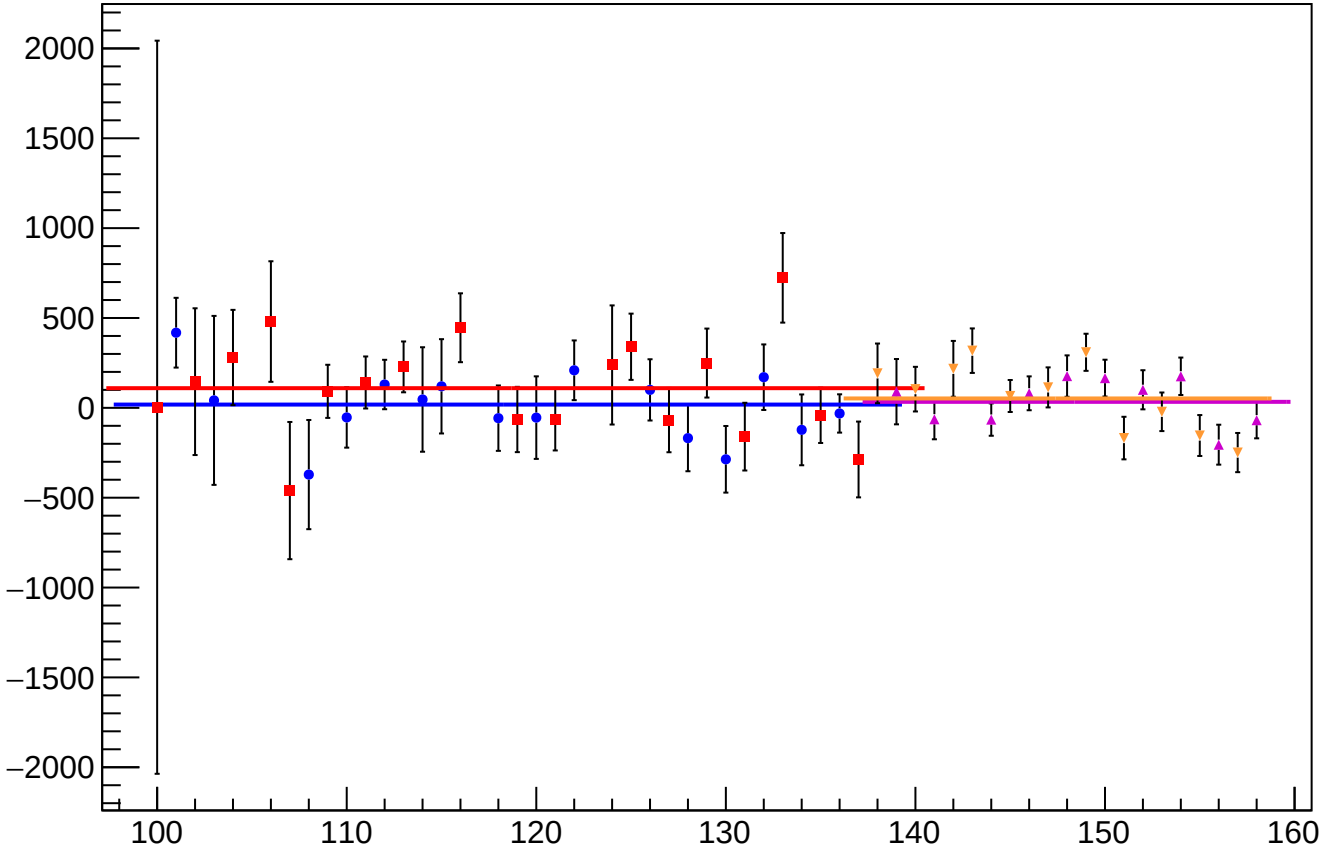
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5627830.3/25

Out: 0.000+/-0.000 χ^2/NDF:6432902.7/29

All: 0.000+/-0.000 χ^2/NDF: 12063839.6/55

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.265+/-34.759 χ^2/NDF:28.0/10

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 33.424+/-33.850 χ^2/NDF:13.4/9

Left: 42.594+/-24.251 χ^2/NDF: 41.5/20

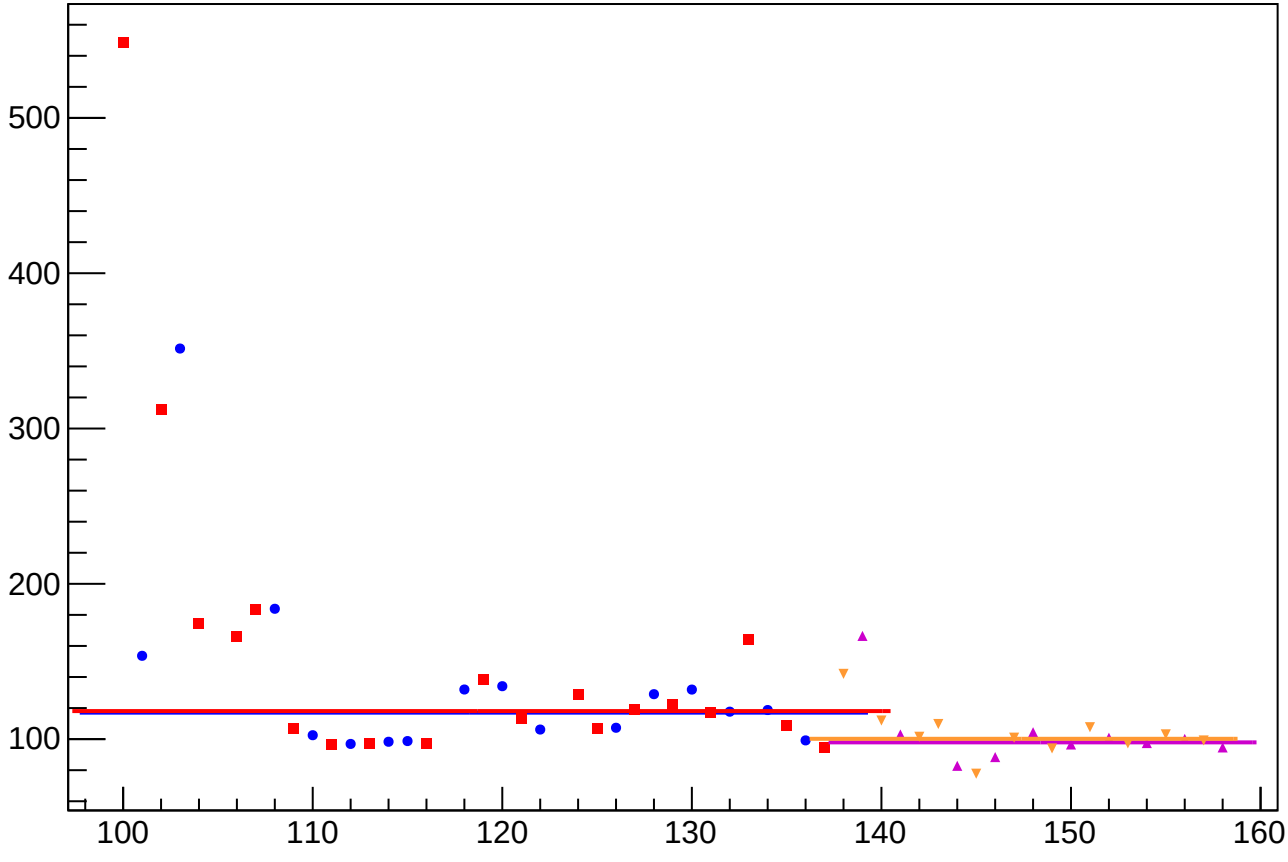
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 28.033+/-27.202 χ^2/NDF:27.3/25

Out: 73.144+/-27.694 χ^2/NDF:54.5/29

All: 50.184+/-19.406 χ^2/NDF: 83.1/55

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.213+/-0.025 χ^2/NDF:302432.3/10

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

Left: 99.031+/-0.017 χ^2/NDF: 683255.3/20

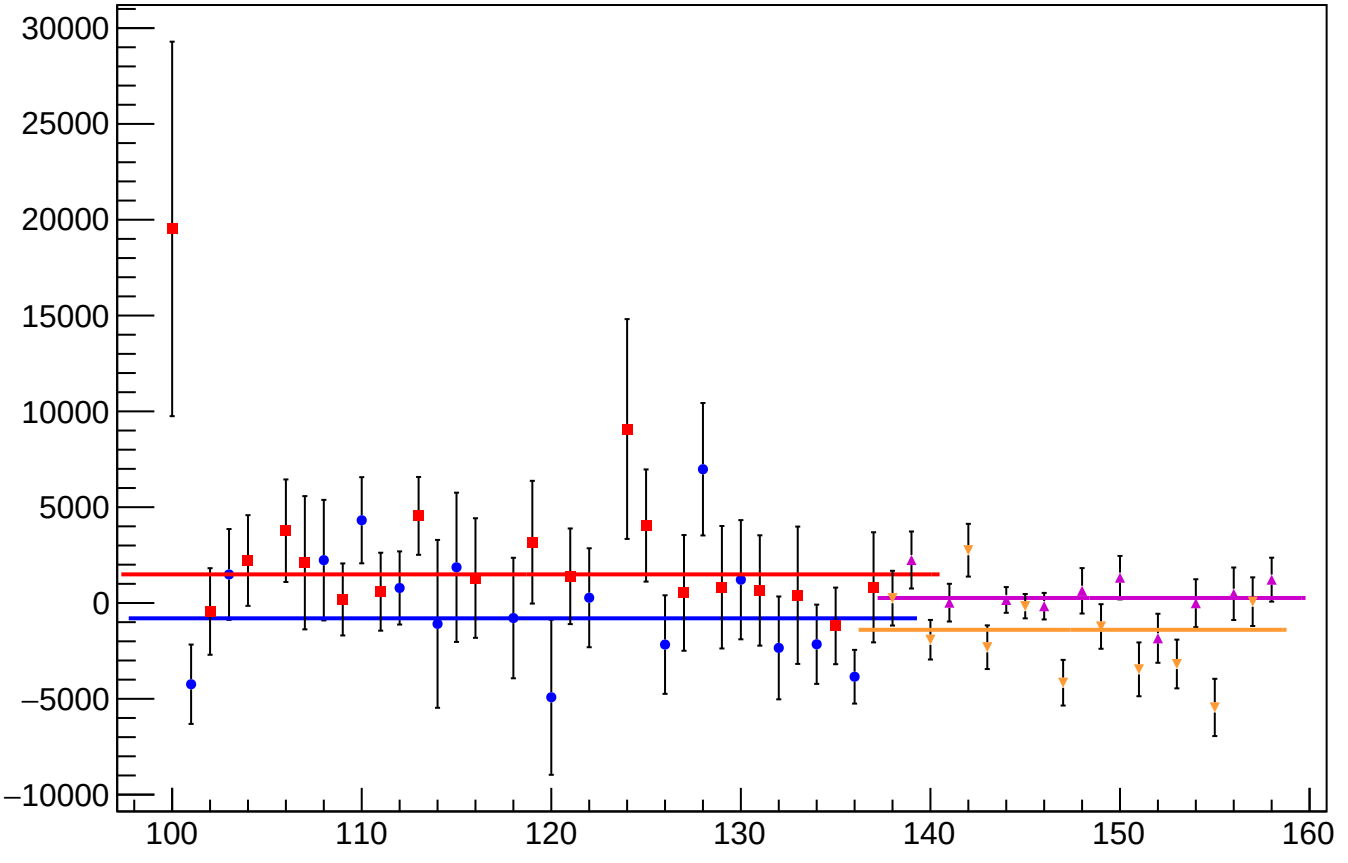
Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 104.694+/-0.019 χ^2/NDF:1461529.5/25

Out: 106.730+/-0.020 χ^2/NDF:1485690.1/29

All: 105.694+/-0.014 χ^2/NDF: 2952722.9/55

asym_sam3_reg_correction_mean vs Slug, Sign Corrected



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1398.614+/-336.265 χ^2/NDF:33.3/10

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 262.047+/-319.138 χ^2/NDF:6.7/9

Left: -524.918+/-231.483 χ^2/NDF: 52.8/20

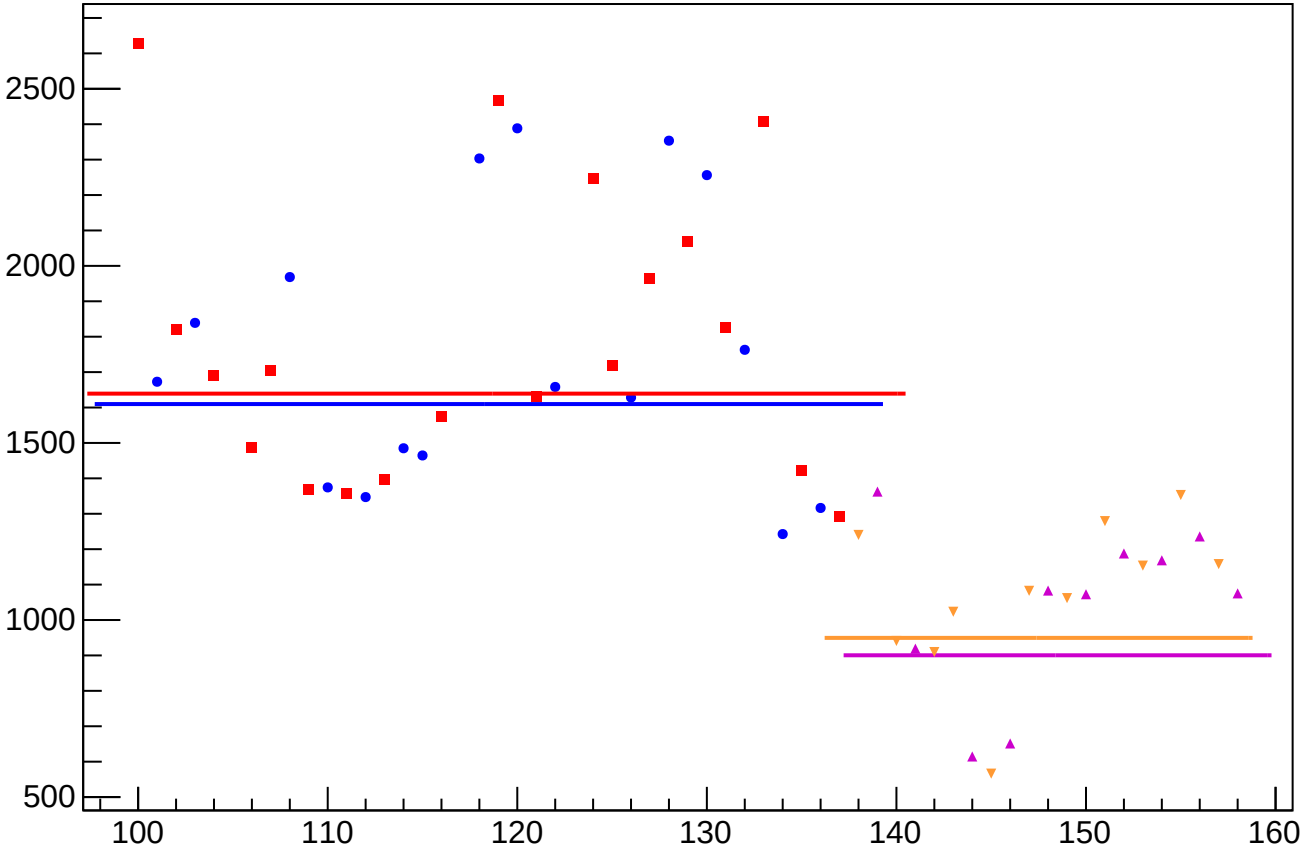
Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 37.495+/-283.368 χ^2/NDF:32.5/25

Out: -729.711+/-294.831 χ^2/NDF:63.3/29

All: -330.904+/-204.304 χ^2/NDF: 99.3/55

asym_sam3_reg_correction_rms vs Slug, Sign Corrected



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 949.551+/-0.238 χ^2/NDF:1226628.6/10

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 900.400+/-0.226 χ^2/NDF:1267639.5/9

Left: 923.692+/-0.164 χ^2/NDF: 2516748.1/20

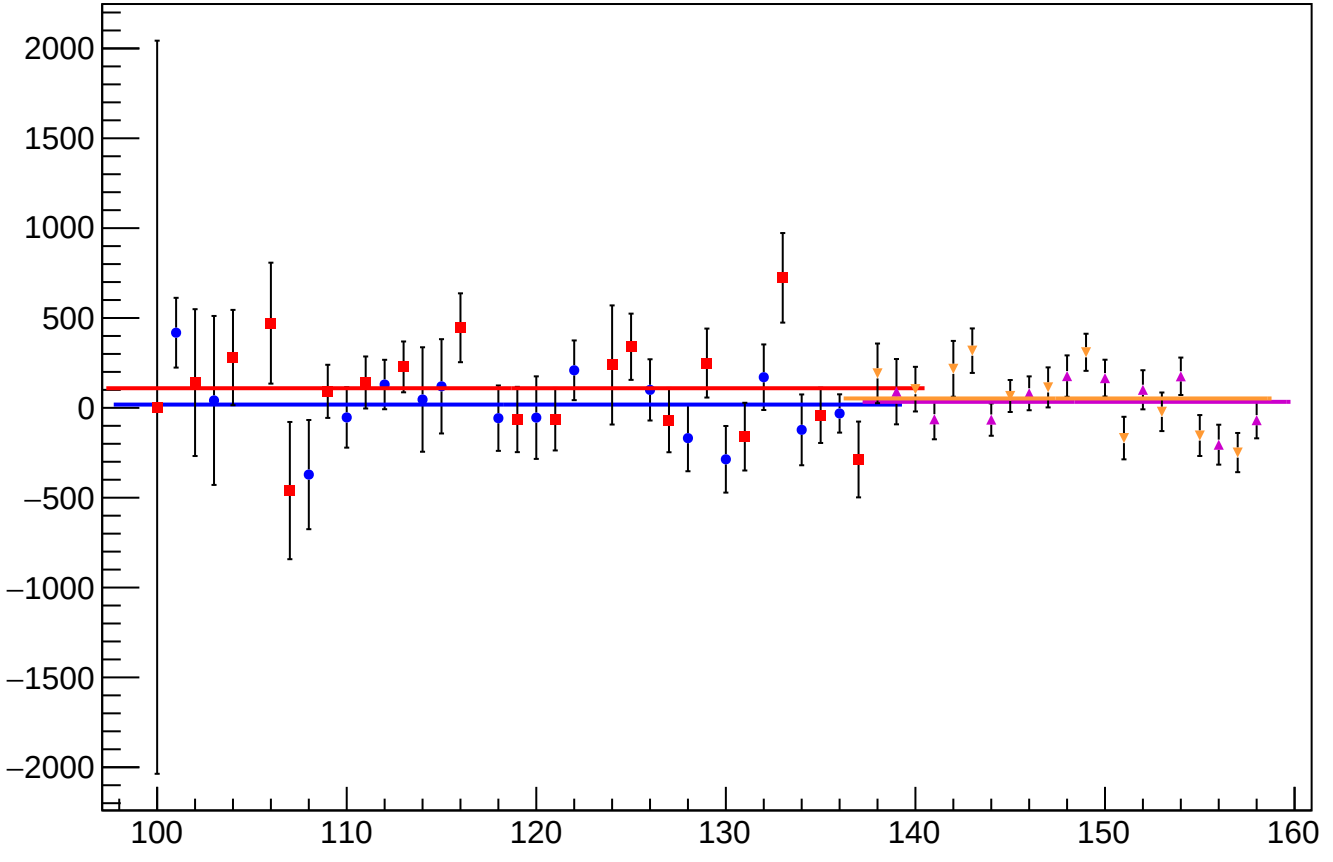
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1050.509+/-0.200 χ^2/NDF:3977790.5/25

Out: 1109.044+/-0.208 χ^2/NDF:3692454.7/29

All: 1078.617+/-0.144 χ^2/NDF: 7711223.5/55

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.270+/-34.759 χ^2/NDF:28.0/10

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 33.430+/-33.850 χ^2/NDF:13.4/9

Left: 42.600+/-24.251 χ^2/NDF: 41.5/20

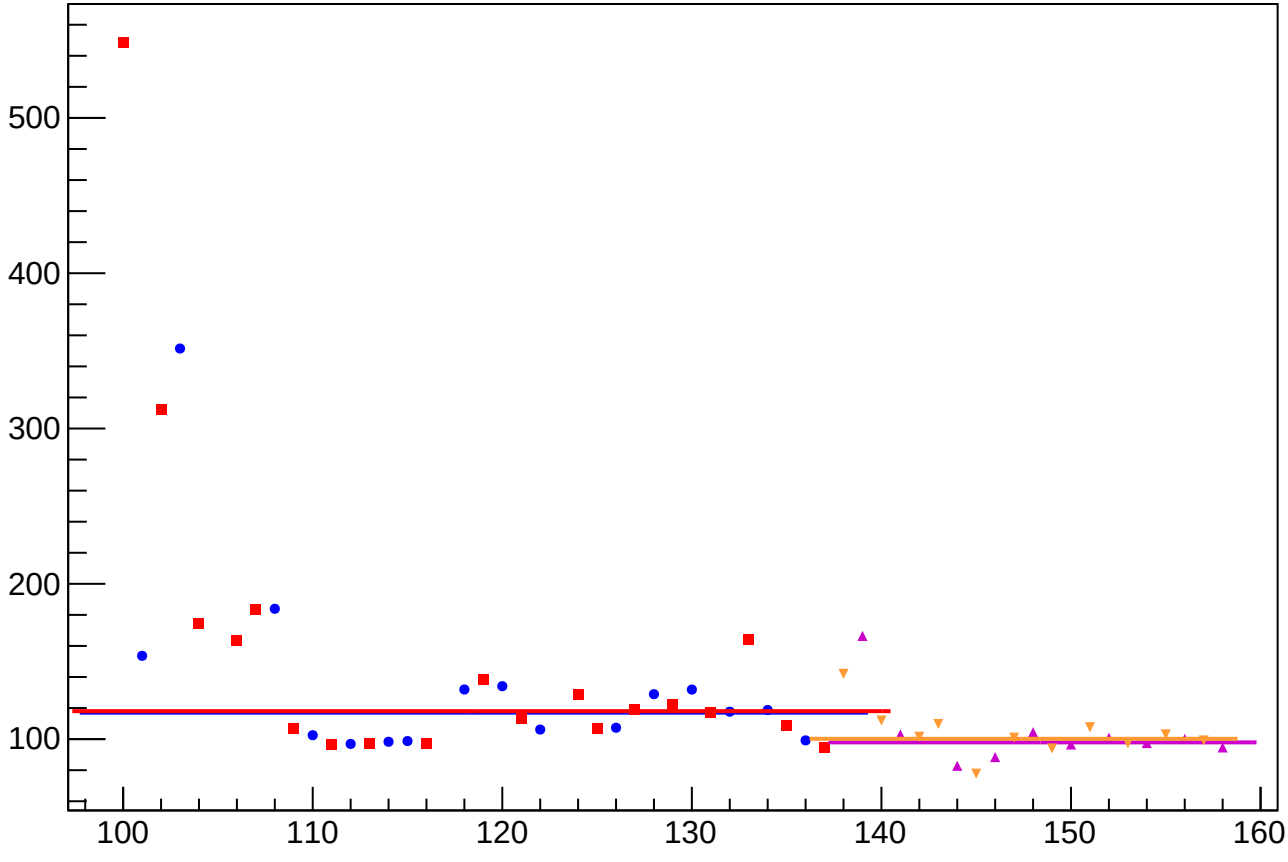
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 28.032+/-27.202 χ^2/NDF:27.3/25

Out: 73.042+/-27.694 χ^2/NDF:54.4/29

All: 50.133+/-19.406 χ^2/NDF: 83.0/55

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.213+/-0.025 χ^2/NDF:302432.3/10

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

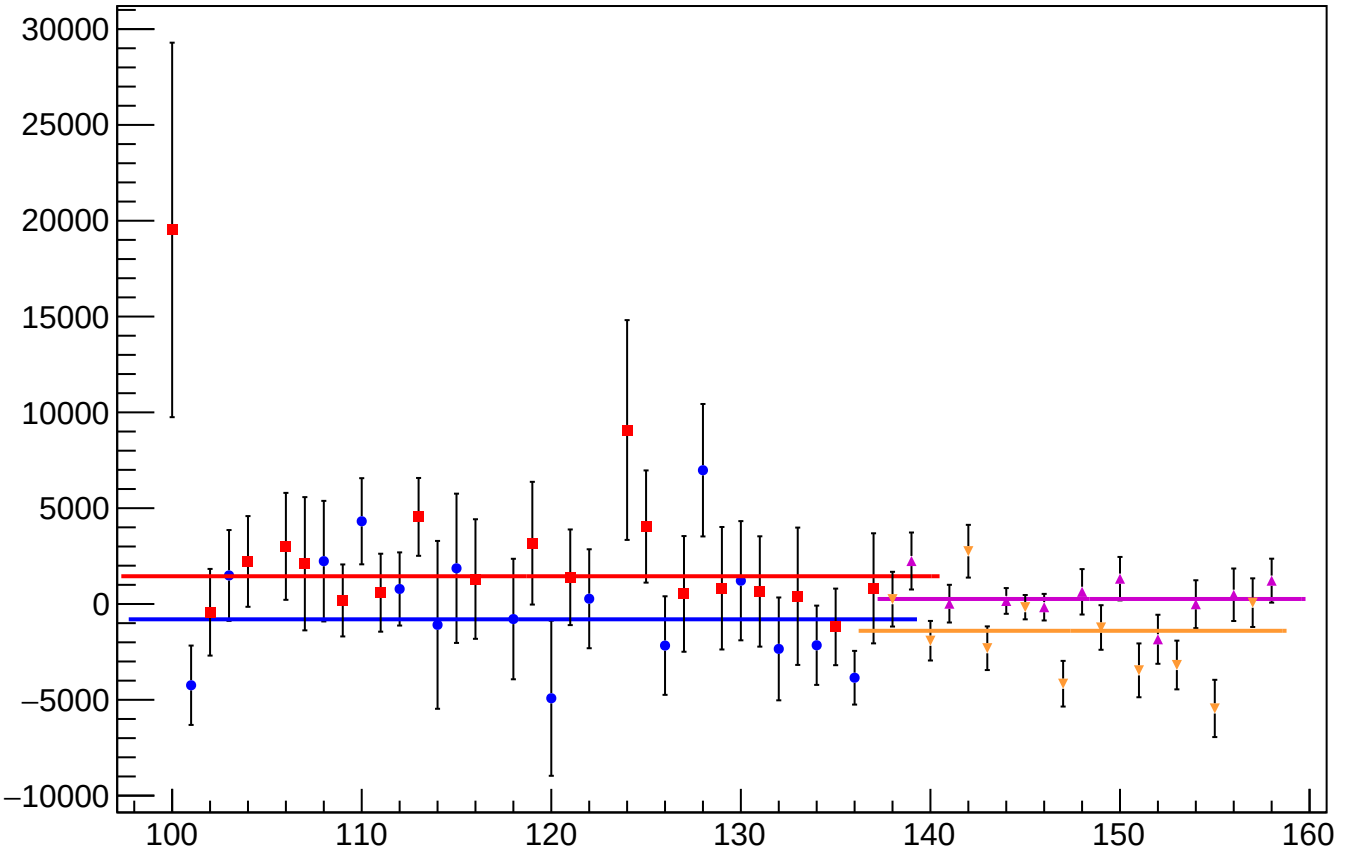
Left: 99.031+/-0.017 χ^2/NDF: 683255.3/20

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 104.694+/-0.019 χ^2/NDF:1461531.4/25

Out: 106.711+/-0.020 χ^2/NDF:1480364.2/29

All: 105.684+/-0.014 χ^2/NDF: 2947294.1/55



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1398.606+/-336.265 χ^2/NDF:33.3/10

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 262.053+/-319.138 χ^2/NDF:6.7/9

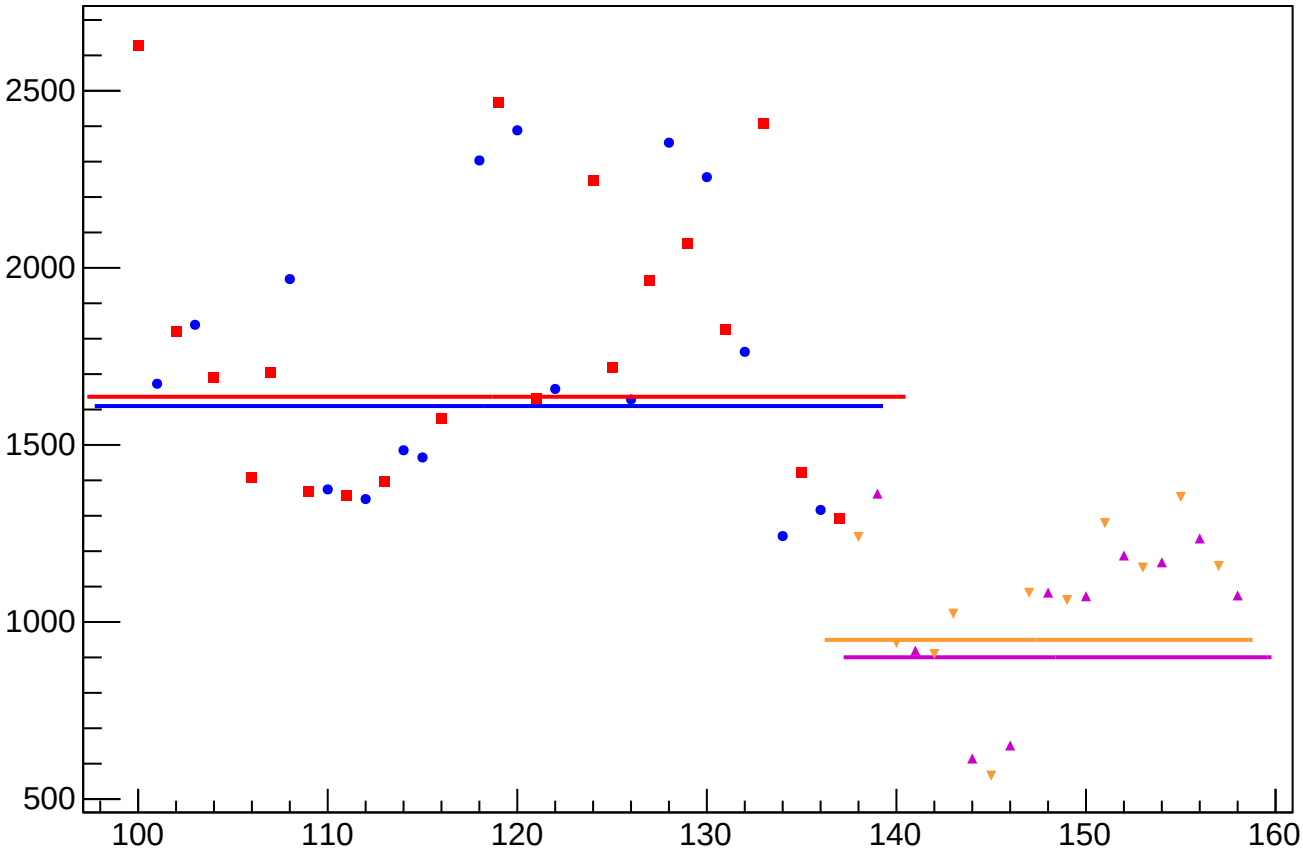
Left: -524.911+/-231.483 χ^2/NDF: 52.8/20

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 37.506+/-283.368 χ^2/NDF:32.5/25

Out: -742.437+/-294.980 χ^2/NDF:62.3/29

All: -336.812+/-204.353 χ^2/NDF: 98.4/55



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 949.550+/-0.238 χ^2/NDF:1226629.7/10

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 900.400+/-0.226 χ^2/NDF:1267641.8/9

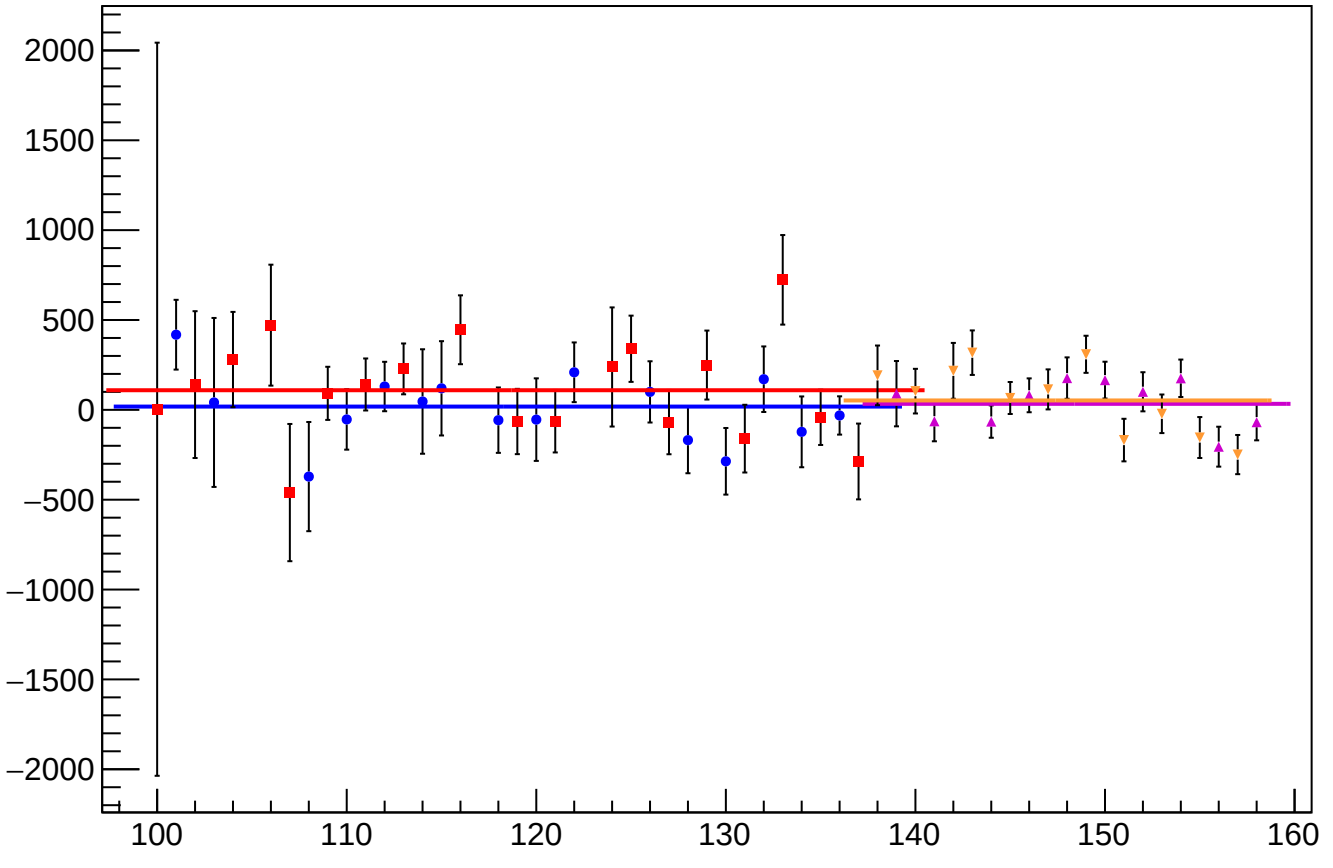
Left: 923.692+/-0.164 χ^2/NDF: 2516751.5/20

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1050.509+/-0.200 χ^2/NDF:3977854.5/25

Out: 1107.770+/-0.209 χ^2/NDF:3675608.5/29

All: 1077.990+/-0.144 χ^2/NDF: 7692656.4/55



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.270+/-34.759 χ^2/NDF:28.0/10

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 33.430+/-33.850 χ^2/NDF:13.4/9

Left: 42.600+/-24.251 χ^2/NDF: 41.5/20

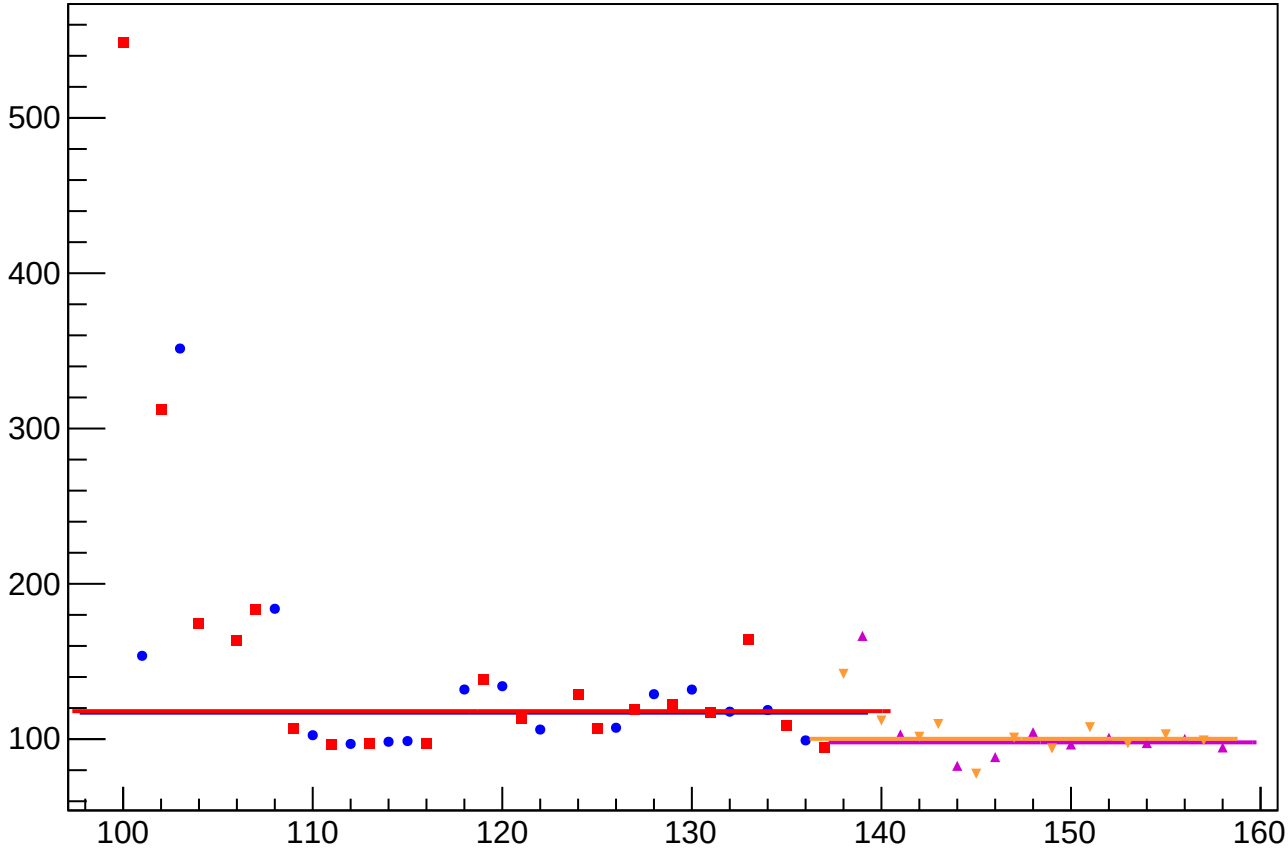
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 28.032+/-27.202 χ^2/NDF:27.3/25

Out: 73.042+/-27.694 χ^2/NDF:54.4/29

All: 50.133+/-19.406 χ^2/NDF: 83.0/55

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.213+/-0.025 χ^2/NDF:302432.3/10

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

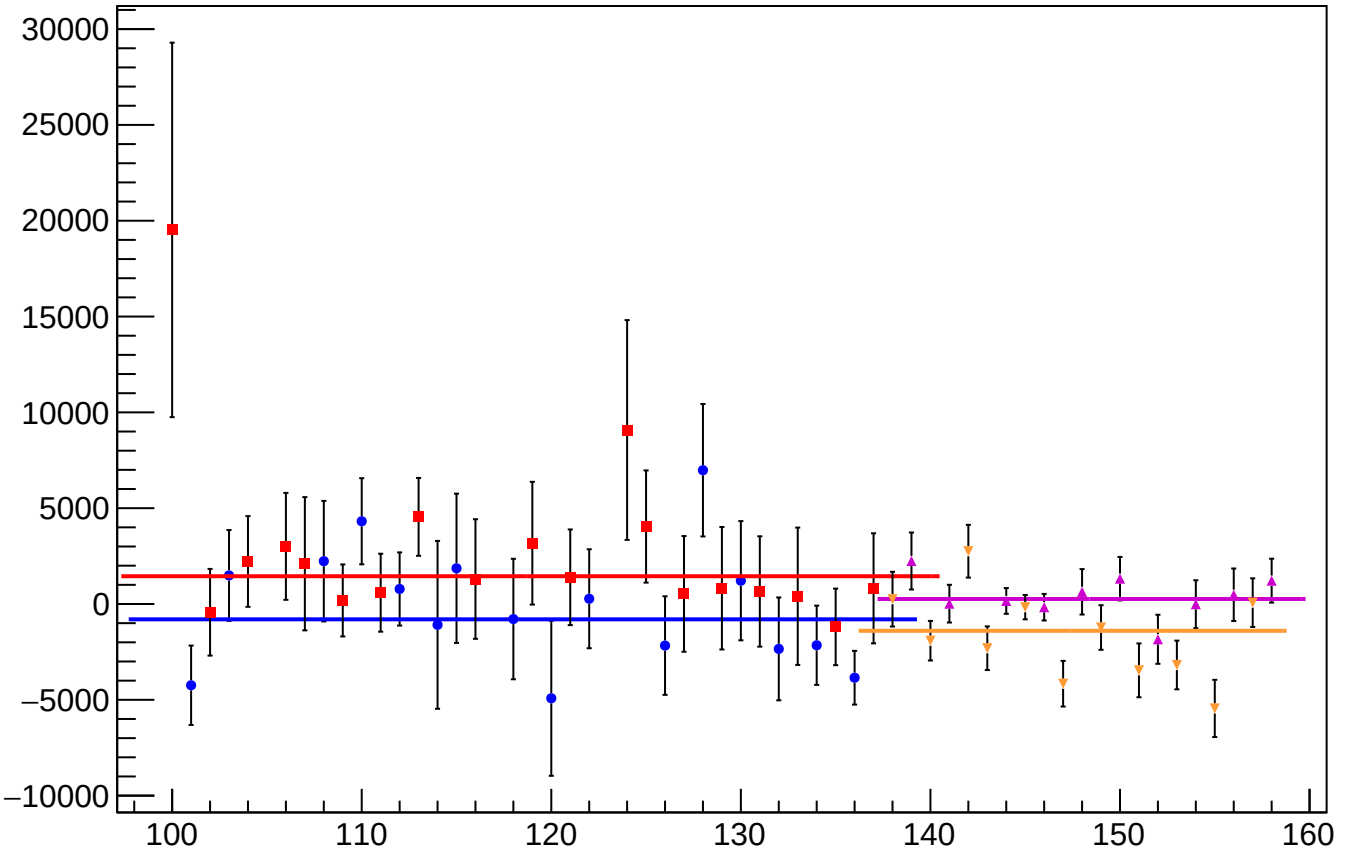
Left: 99.031+/-0.017 χ^2/NDF: 683255.3/20

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 104.694+/-0.019 χ^2/NDF:1461531.4/25

Out: 106.711+/-0.020 χ^2/NDF:1480364.2/29

All: 105.684+/-0.014 χ^2/NDF: 2947294.1/55



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1398.606+/-336.265 χ^2/NDF:33.3/10

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 262.053+/-319.138 χ^2/NDF:6.7/9

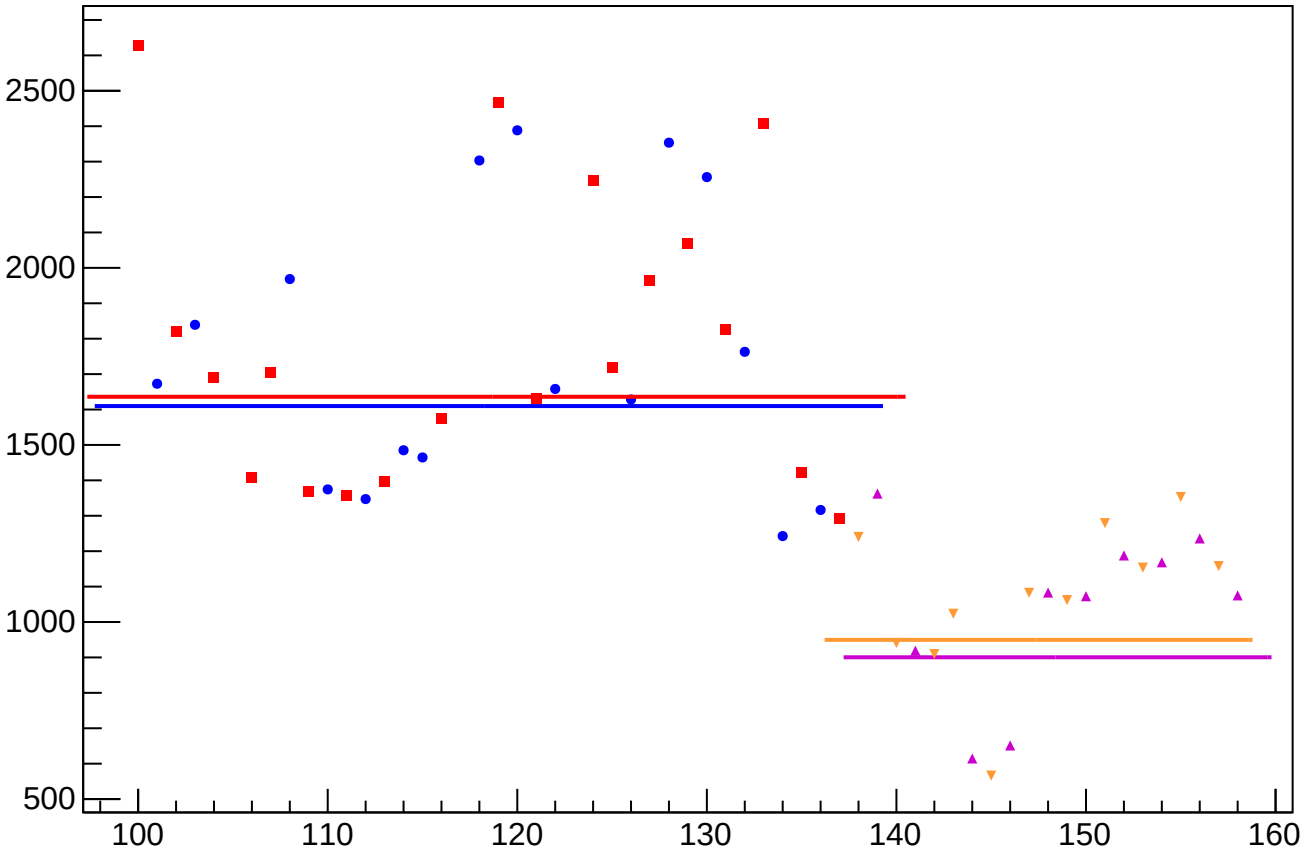
Left: -524.911+/-231.483 χ^2/NDF: 52.8/20

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 37.506+/-283.368 χ^2/NDF:32.5/25

Out: -742.437+/-294.980 χ^2/NDF:62.3/29

All: -336.812+/-204.353 χ^2/NDF: 98.4/55



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 949.550+/-0.238 χ^2/NDF:1226629.7/10

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 900.400+/-0.226 χ^2/NDF:1267641.8/9

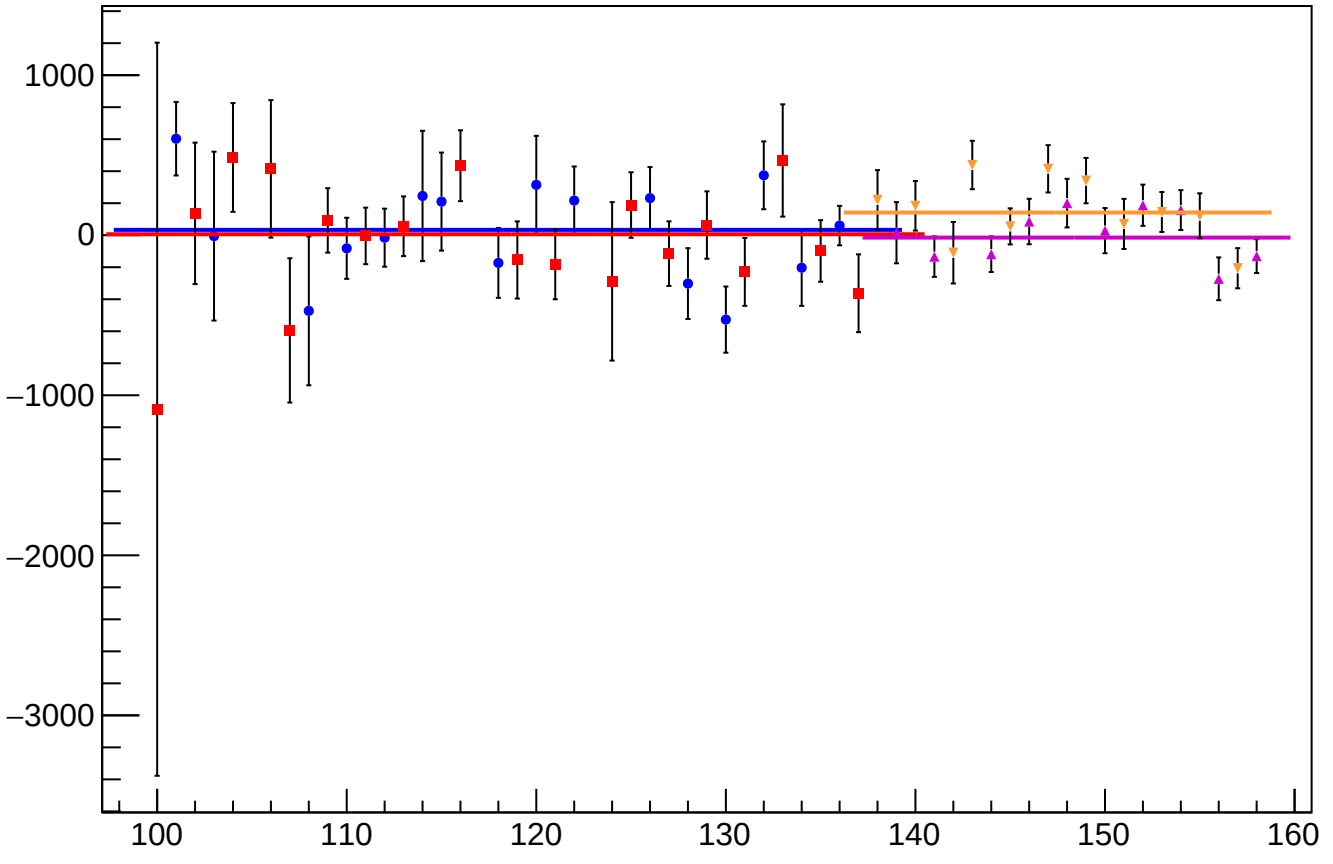
Left: 923.692+/-0.164 χ^2/NDF: 2516751.5/20

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1050.509+/-0.200 χ^2/NDF:3977854.5/25

Out: 1107.770+/-0.209 χ^2/NDF:3675608.5/29

All: 1077.990+/-0.144 χ^2/NDF: 7692656.4/55



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 141.756+/-43.236 χ^2/NDF:19.7/10

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: -14.883+/-41.384 χ^2/NDF:13.7/9

Left: 60.010+/-29.896 χ^2/NDF: 40.2/20

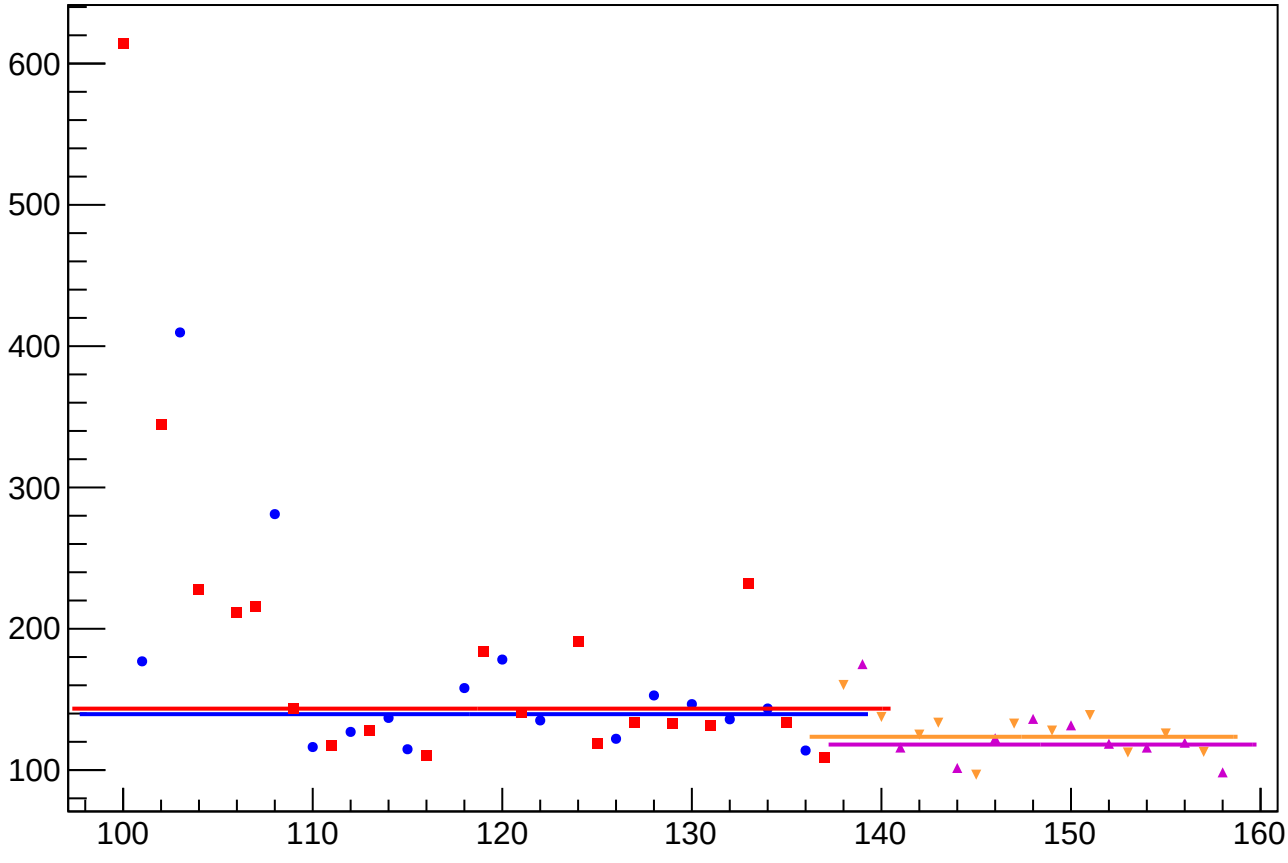
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 2.634+/-33.048 χ^2/NDF:39.3/25

Out: 91.197+/-34.243 χ^2/NDF:40.7/29

All: 45.344+/-23.780 χ^2/NDF: 83.5/55

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 123.570+/-0.031 χ^2/NDF:275991.0/10

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 118.058+/-0.029 χ^2/NDF:341534.2/9

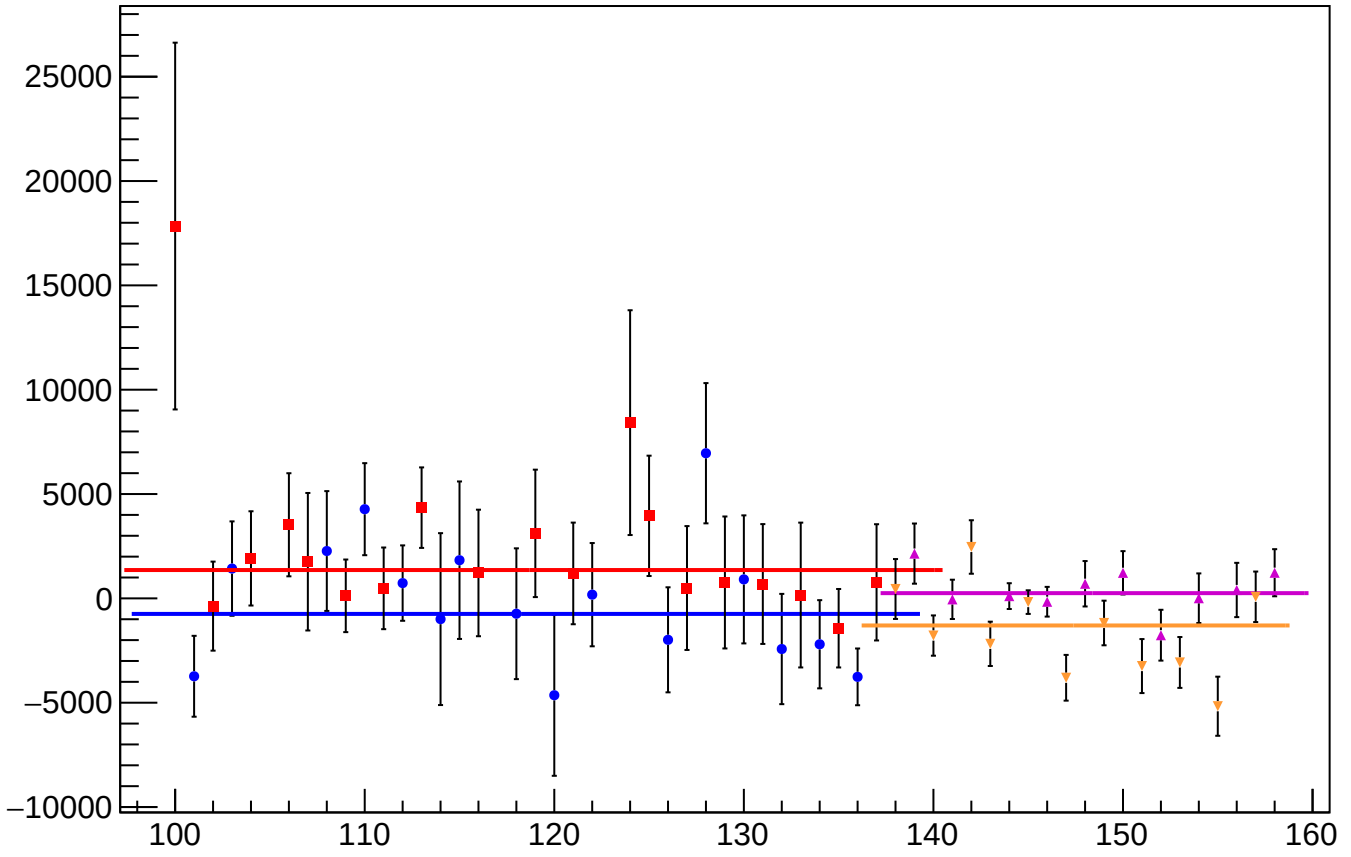
Left: 120.693+/-0.021 χ^2/NDF: 634493.1/20

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 125.850+/-0.023 χ^2/NDF:1513987.6/25

Out: 130.991+/-0.024 χ^2/NDF:1550722.7/29

All: 128.329+/-0.017 χ^2/NDF: 3088050.0/55



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1298.250+/-311.078 χ^2/NDF:33.3/10

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 250.828+/-305.294 χ^2/NDF:6.8/9

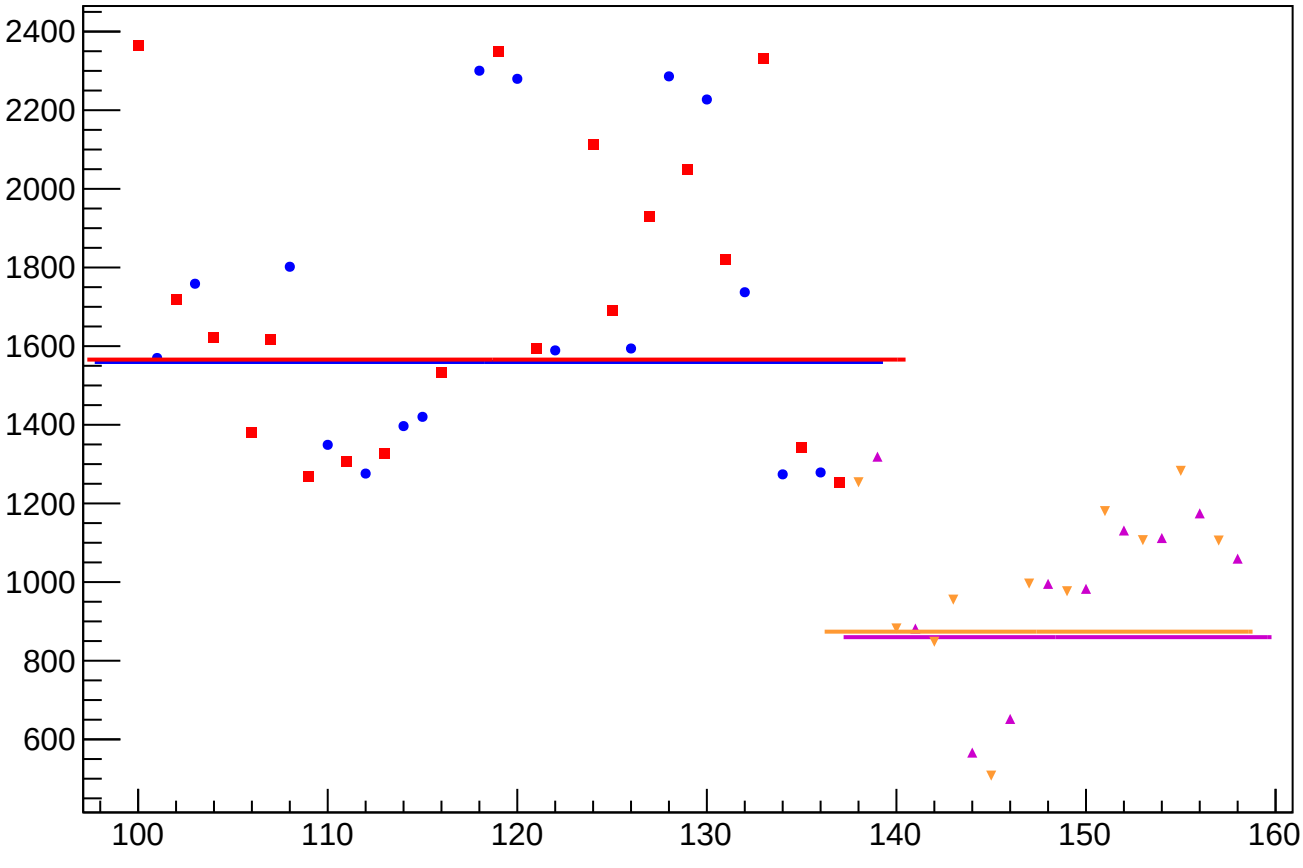
Left: -509.176+/-217.891 χ^2/NDF: 52.8/20

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 43.806+/-271.702 χ^2/NDF:32.5/25

Out: -714.009+/-274.743 χ^2/NDF:62.9/29

All: -330.883+/-193.189 χ^2/NDF: 99.2/55



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 873.925+/-0.220 χ^2/NDF:1458015.3/10

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 859.924+/-0.216 χ^2/NDF:1253628.8/9

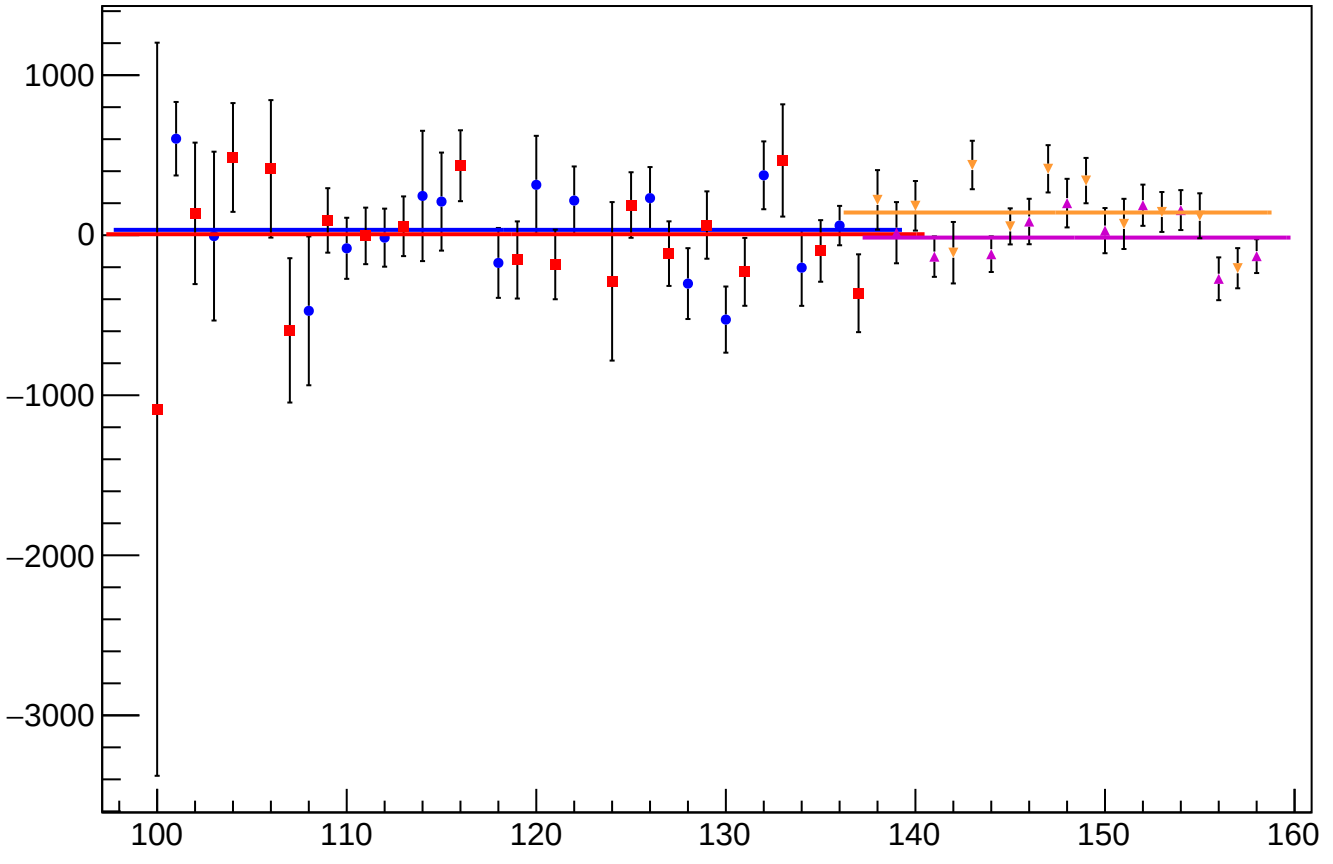
Left: 866.793+/-0.154 χ^2/NDF: 2713707.9/20

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1005.453+/-0.192 χ^2/NDF:4043217.5/25

Out: 1026.111+/-0.194 χ^2/NDF:4198079.7/29

All: 1015.667+/-0.137 χ^2/NDF: 8247013.8/55



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 141.759+/-43.236 χ^2/NDF:19.7/10

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -14.884+/-41.384 χ^2/NDF:13.7/9

Left: 60.011+/-29.896 χ^2/NDF: 40.2/20

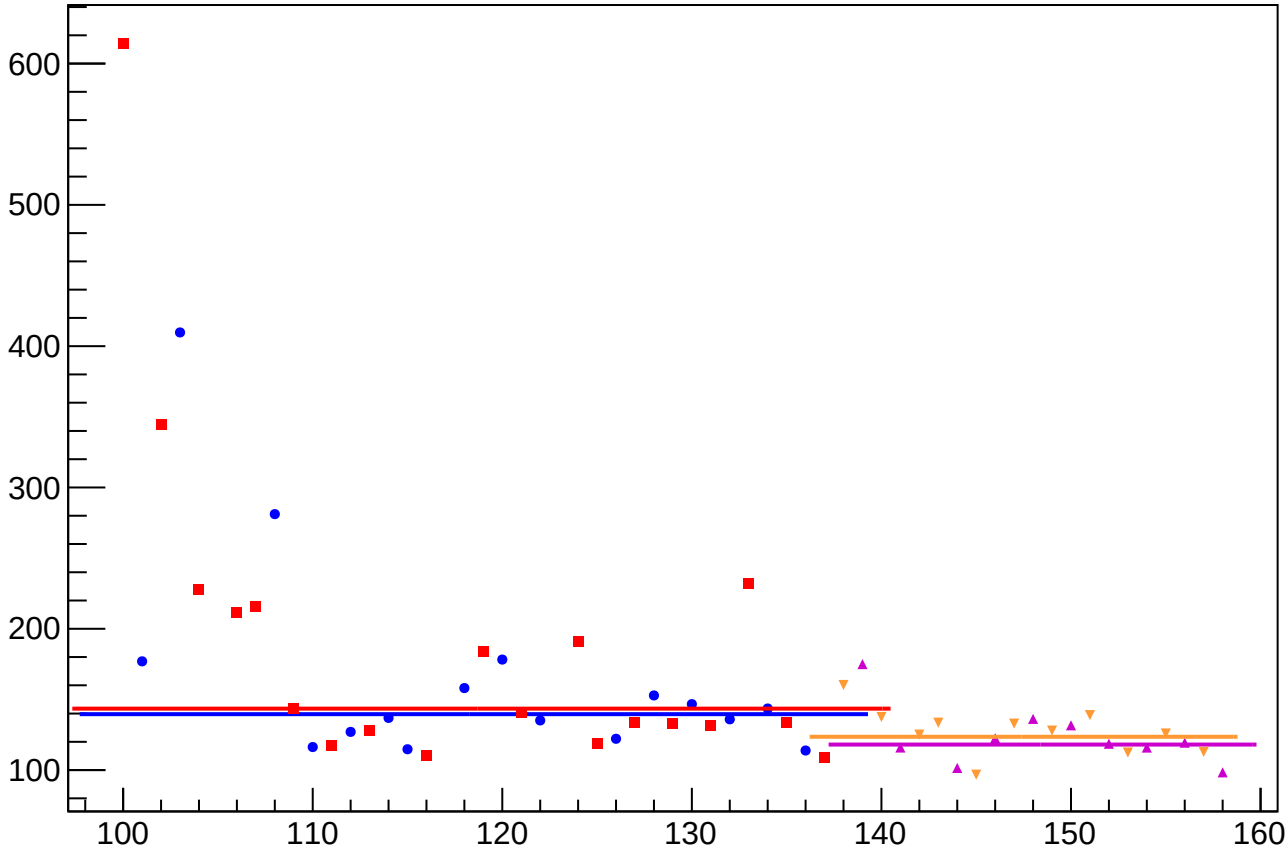
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 2.633+/-33.049 χ^2/NDF:39.3/25

Out: 91.197+/-34.243 χ^2/NDF:40.7/29

All: 45.343+/-23.780 χ^2/NDF: 83.5/55

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 123.571+/-0.031 χ^2/NDF:275995.4/10

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 118.058+/-0.029 χ^2/NDF:341536.7/9

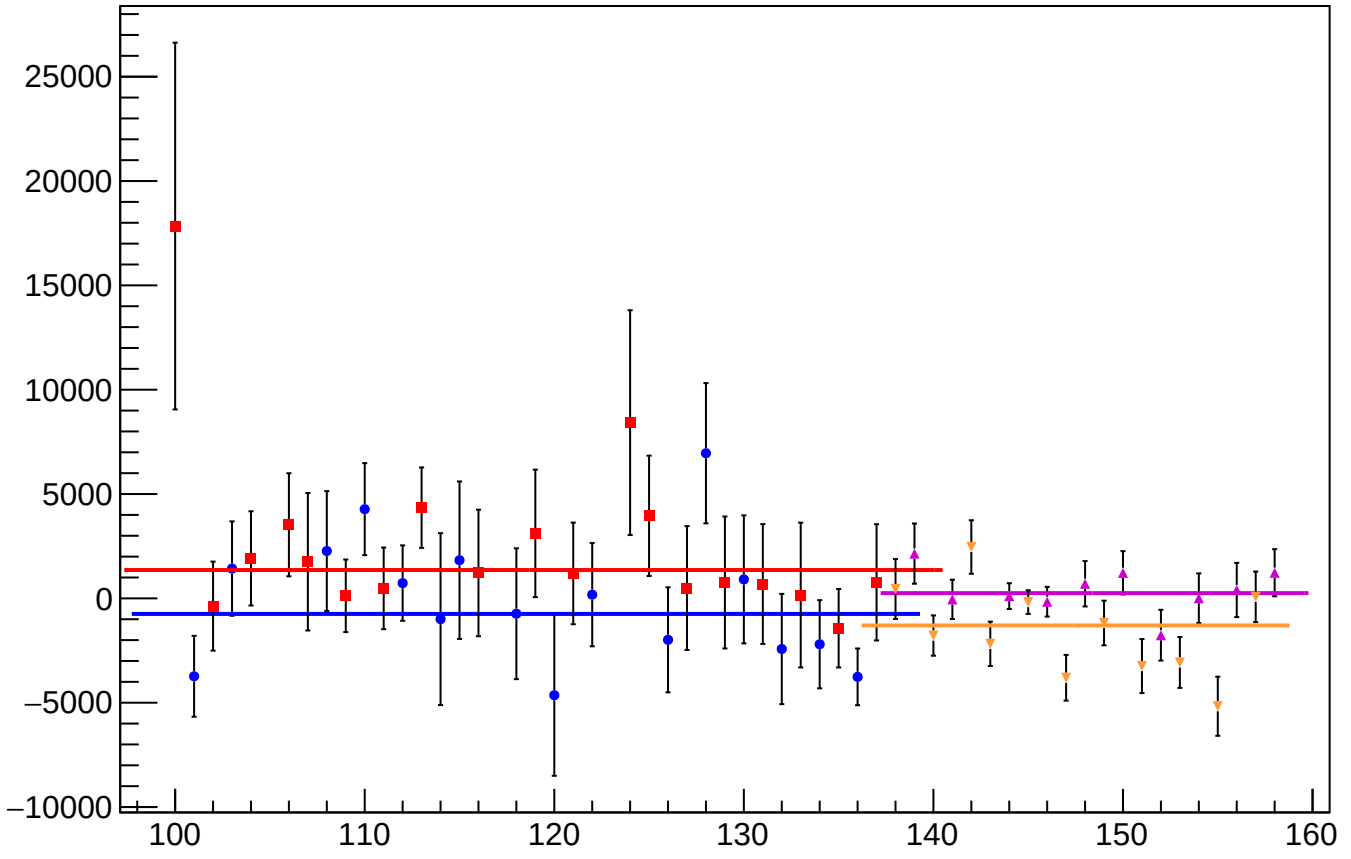
Left: 120.694+/-0.021 χ^2/NDF: 634501.4/20

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 125.850+/-0.023 χ^2/NDF:1513985.5/25

Out: 130.991+/-0.024 χ^2/NDF:1550726.0/29

All: 128.330+/-0.017 χ^2/NDF: 3088053.2/55



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1298.251+/-311.077 χ^2/NDF:33.3/10

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 250.827+/-305.293 χ^2/NDF:6.8/9

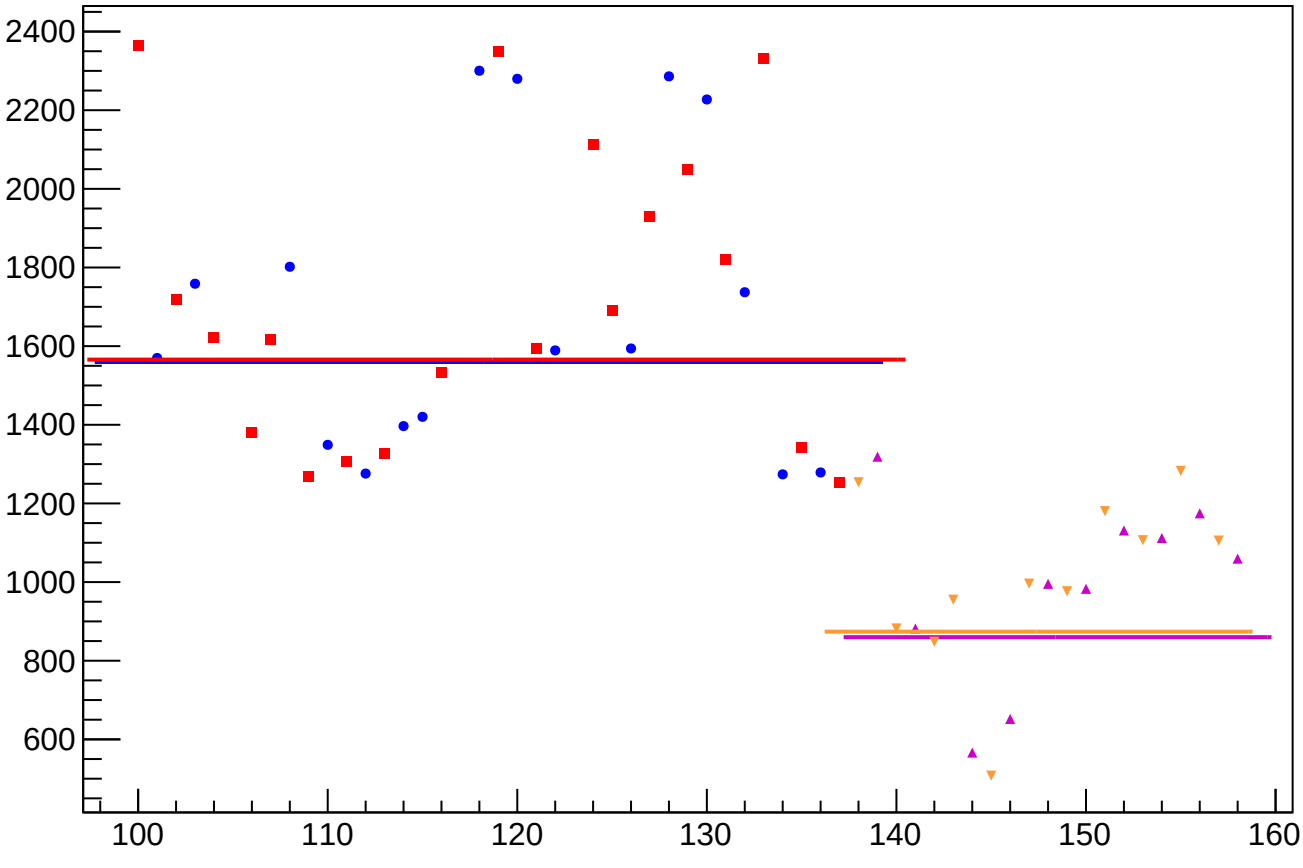
Left: -509.177+/-217.891 χ^2/NDF: 52.8/20

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 43.806+/-271.701 χ^2/NDF:32.5/25

Out: -714.010+/-274.743 χ^2/NDF:62.9/29

All: -330.884+/-193.188 χ^2/NDF: 99.2/55



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 873.924+/-0.220 χ^2/NDF:1458012.2/10

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 859.923+/-0.216 χ^2/NDF:1253626.0/9

Left: 866.792+/-0.154 χ^2/NDF: 2713701.9/20

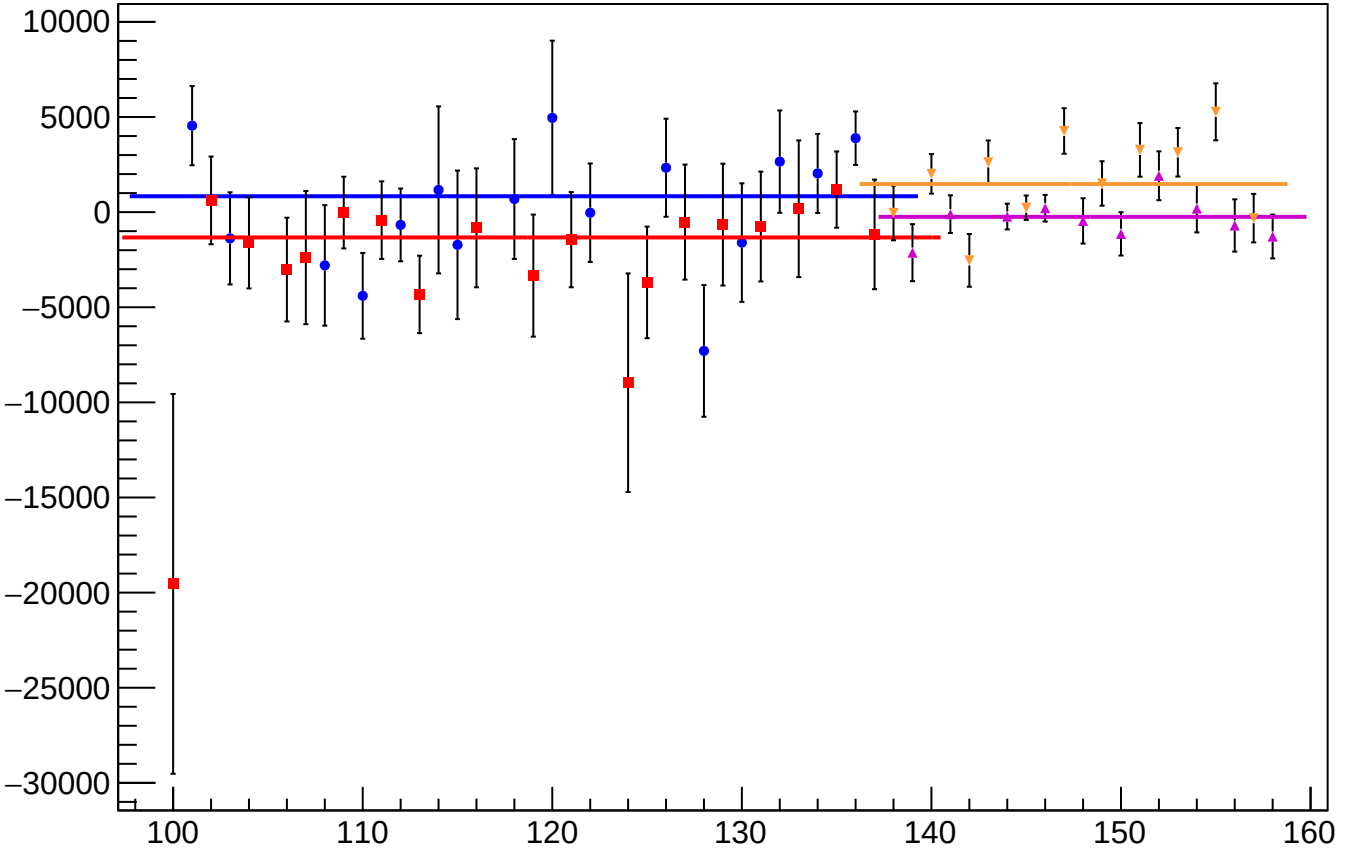
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1005.452+/-0.192 χ^2/NDF:4043216.0/25

Out: 1026.110+/-0.194 χ^2/NDF:4198073.5/29

All: 1015.666+/-0.137 χ^2/NDF: 8247006.0/55

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1477.511+/-338.489 χ^2/NDF:31.7/10

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -248.805+/-321.368 χ^2/NDF:6.5/9

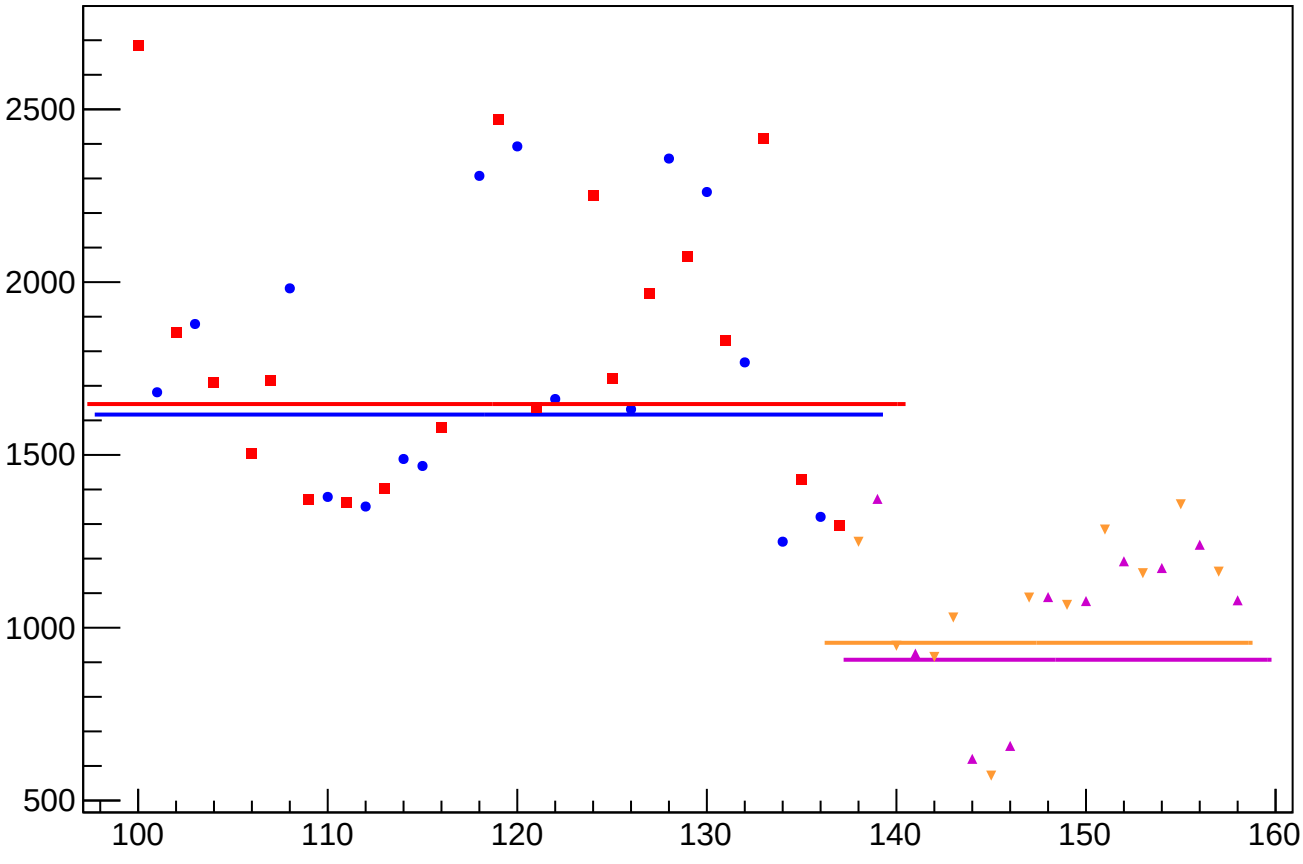
Left: 569.592+/-233.059 χ^2/NDF: 51.9/20

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -18.464+/-285.198 χ^2/NDF:33.8/25

Out: 827.198+/-296.700 χ^2/NDF:59.7/29

All: 387.658+/-205.612 χ^2/NDF: 97.8/55



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 956.418+/-0.239 χ^2/NDF:1204698.8/10

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 907.324+/-0.227 χ^2/NDF:1245836.2/9

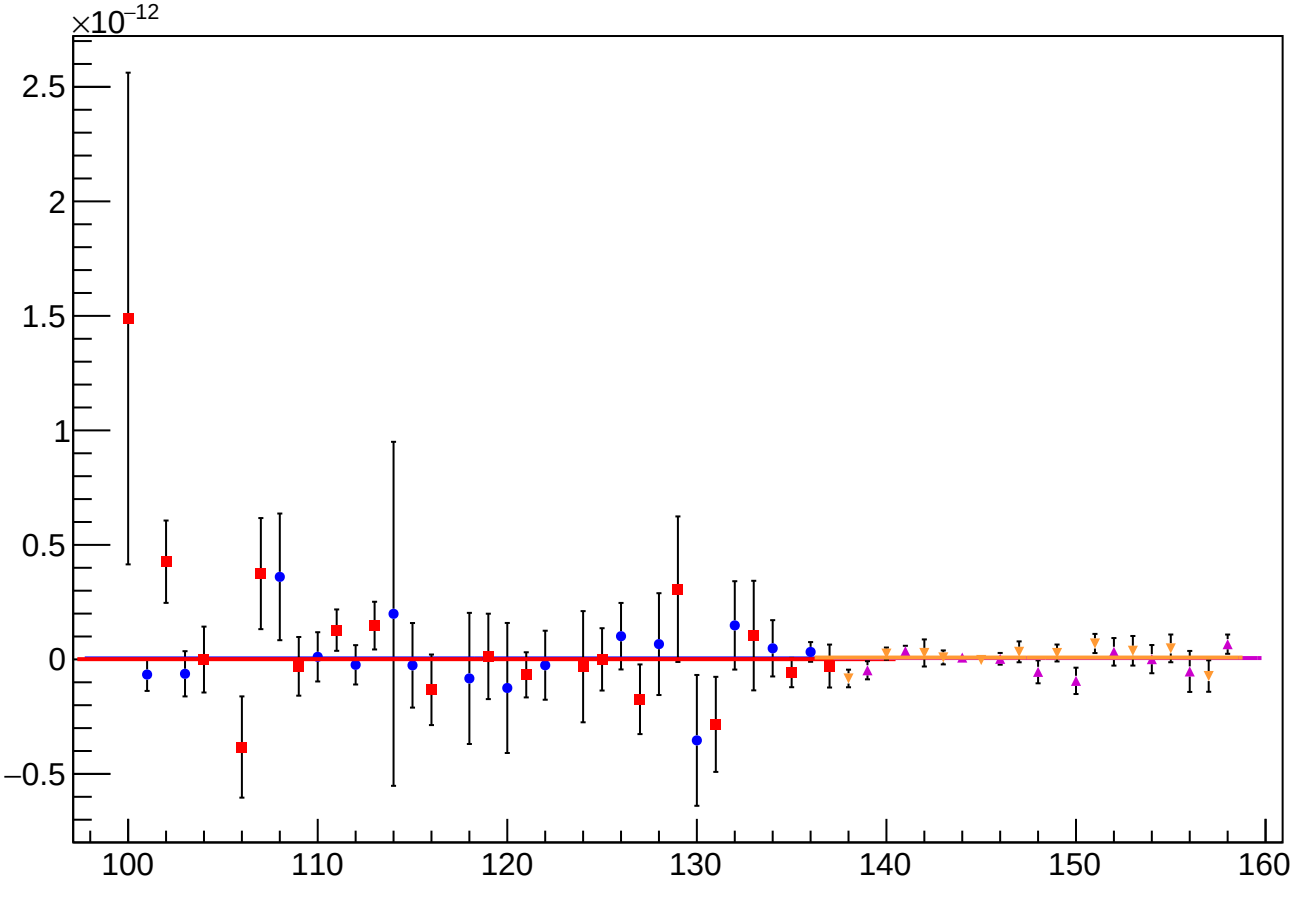
Left: 930.598+/-0.165 χ^2/NDF: 2472661.8/20

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1058.041+/-0.202 χ^2/NDF:3938844.3/25

Out: 1116.458+/-0.210 χ^2/NDF:3658434.2/29

All: 1086.095+/-0.145 χ^2/NDF: 7637576.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/9

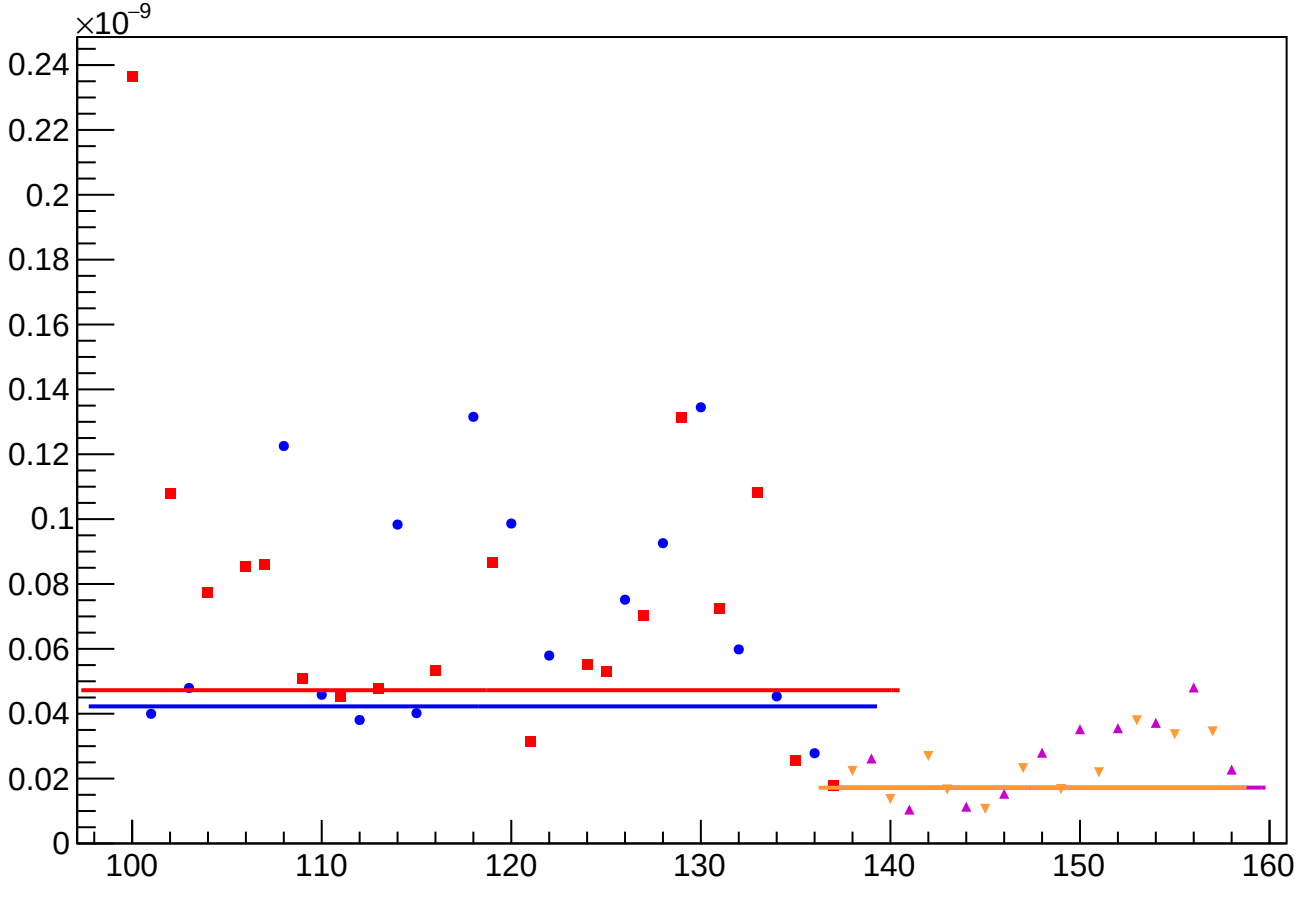
Left: 0.000+/-0.000 χ^2/NDF: 21.9/20

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:17.4/25

Out: 0.000+/-0.000 χ^2/NDF:34.8/29

All: 0.000+/-0.000 χ^2/NDF: 52.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:919570.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1443910.1/9

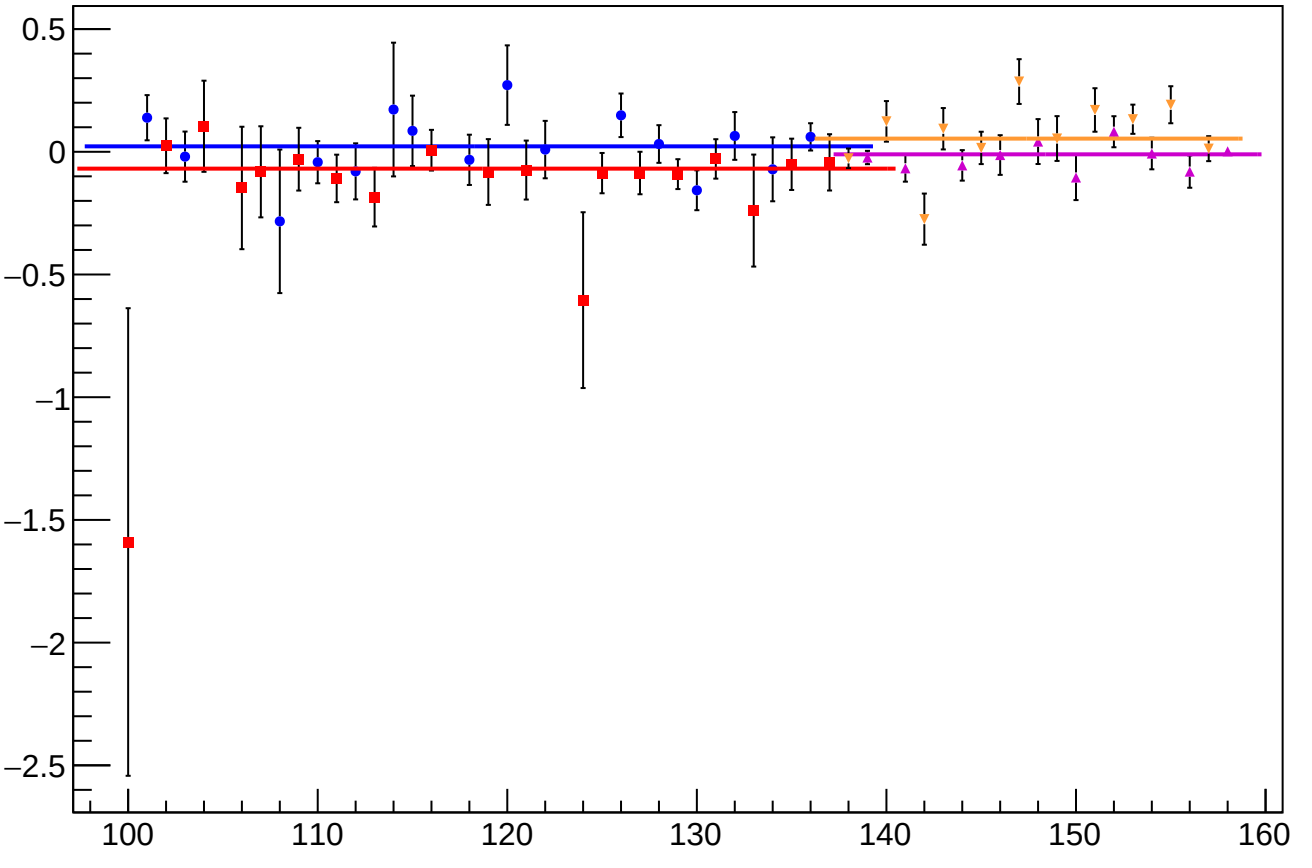
Left: 0.000+/-0.000 χ^2/NDF: 2363487.5/20

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:4060201.4/25

Out: 0.000+/-0.000 χ^2/NDF:4083314.9/29

All: 0.000+/-0.000 χ^2/NDF: 8143529.8/55



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.012 χ^2/NDF:7.1/9

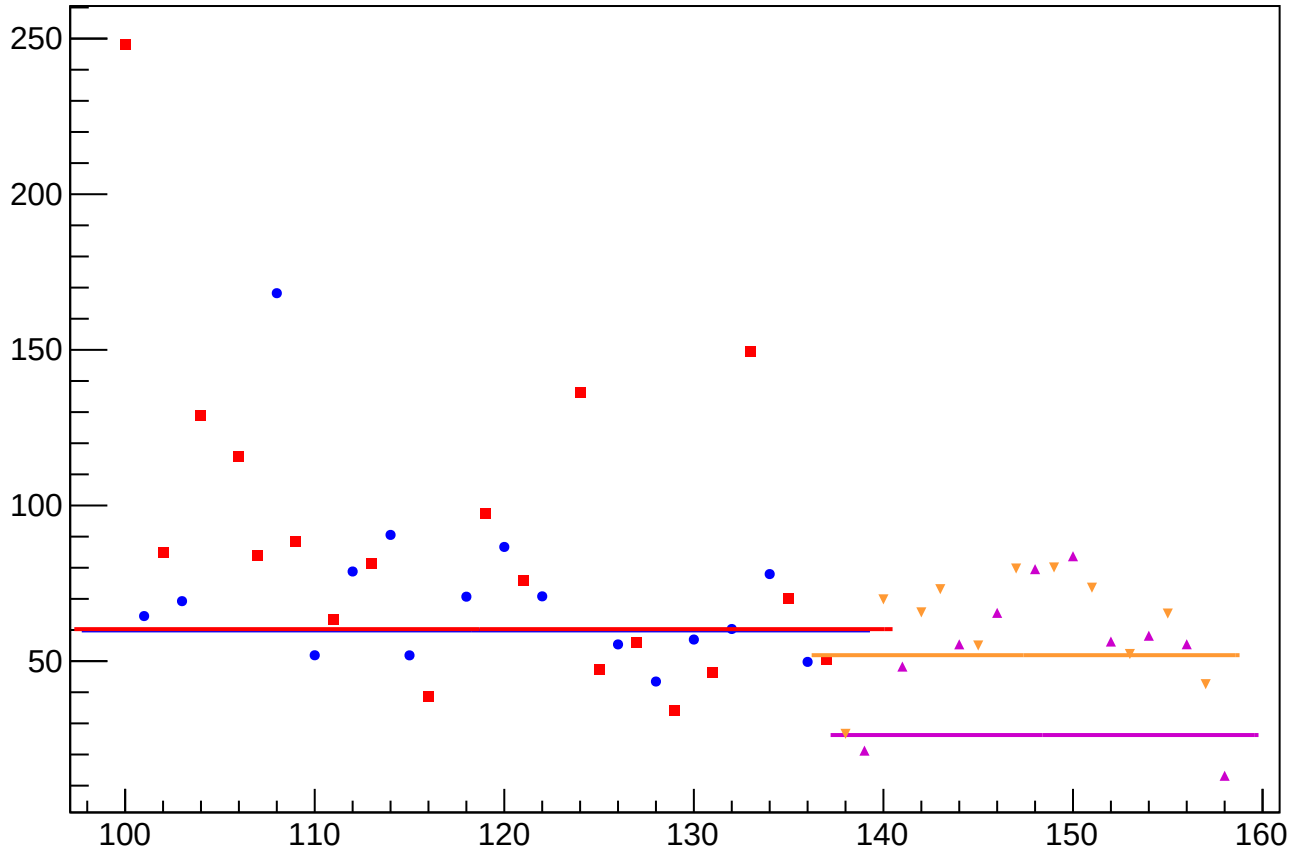
Left: 0.007+/-0.010 χ^2/NDF: 43.7/20

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.004+/-0.011 χ^2/NDF:24.0/25

Out: 0.006+/-0.016 χ^2/NDF:53.1/29

All: -0.001+/-0.009 χ^2/NDF: 77.4/55



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 51.912+/-0.014 χ^2/NDF:1691816.3/10

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 26.256+/-0.009 χ^2/NDF:5387567.8/9

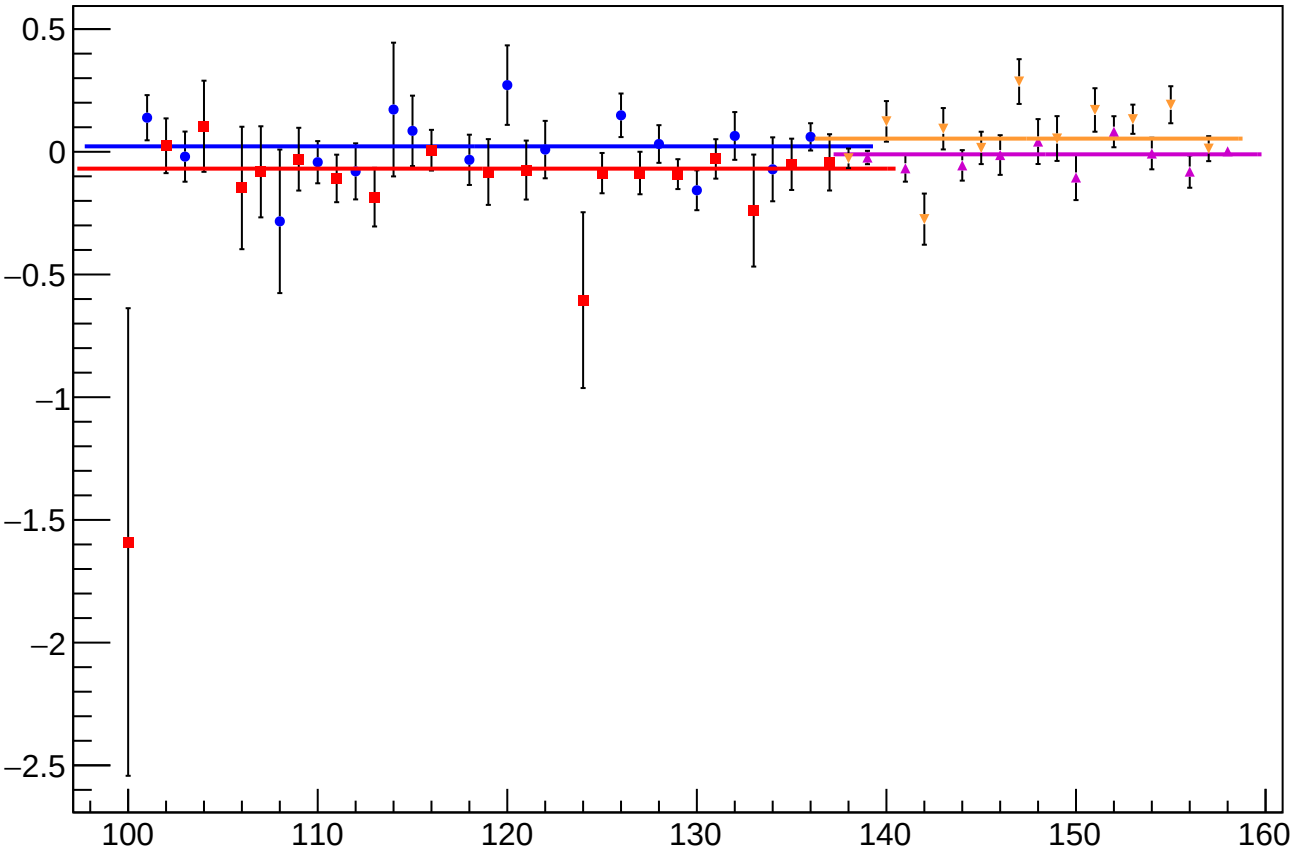
Left: 33.031+/-0.007 χ^2/NDF: 9454535.2/20

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 32.770+/-0.008 χ^2/NDF:9078435.4/25

Out: 55.172+/-0.011 χ^2/NDF:3802727.8/29

All: 39.974+/-0.006 χ^2/NDF: 15616162.2/55



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.012 χ^2/NDF:7.1/9

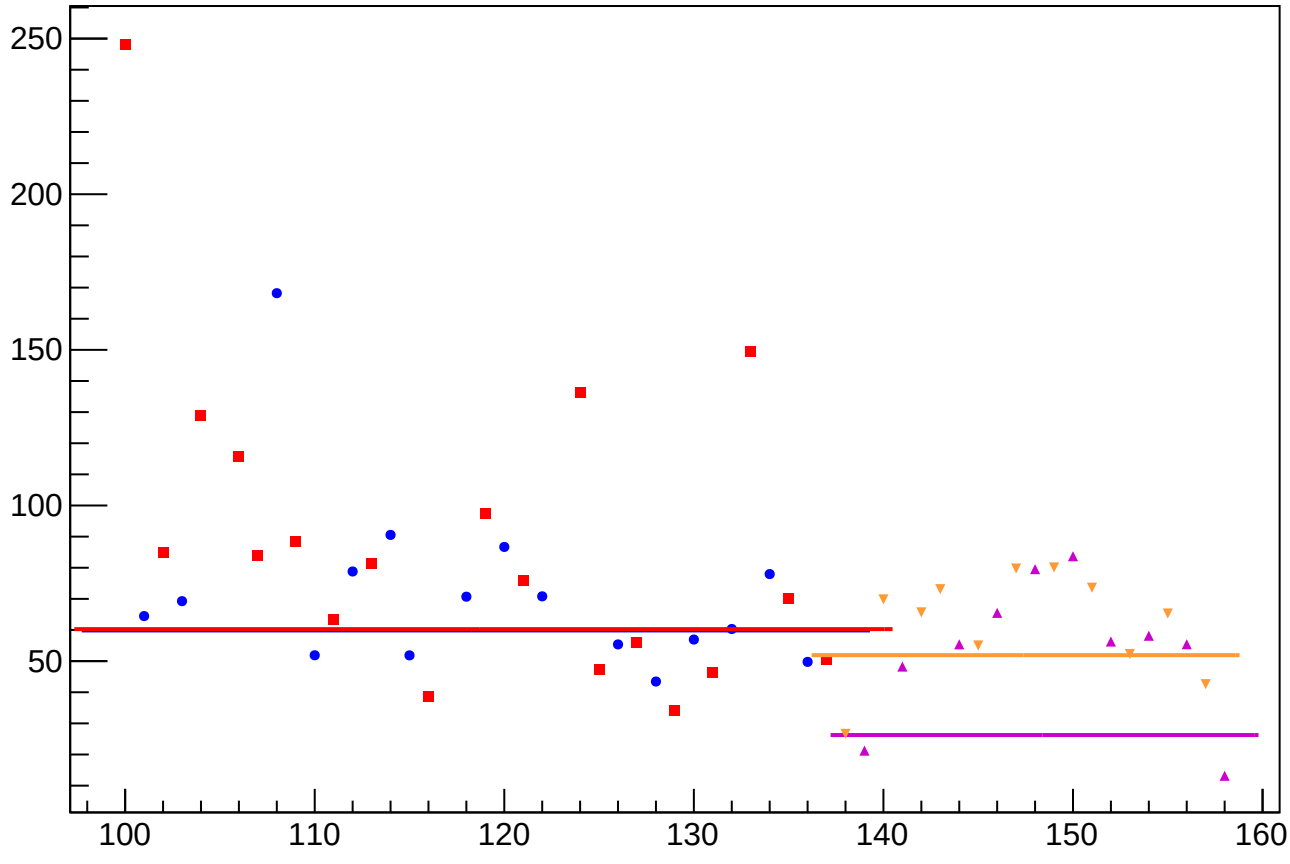
Left: 0.007+/-0.010 χ^2/NDF: 43.7/20

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.004+/-0.011 χ^2/NDF:24.0/25

Out: 0.006+/-0.016 χ^2/NDF:53.1/29

All: -0.001+/-0.009 χ^2/NDF: 77.4/55



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 51.912+/-0.014 χ^2/NDF:1691816.3/10

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 26.256+/-0.009 χ^2/NDF:5387567.8/9

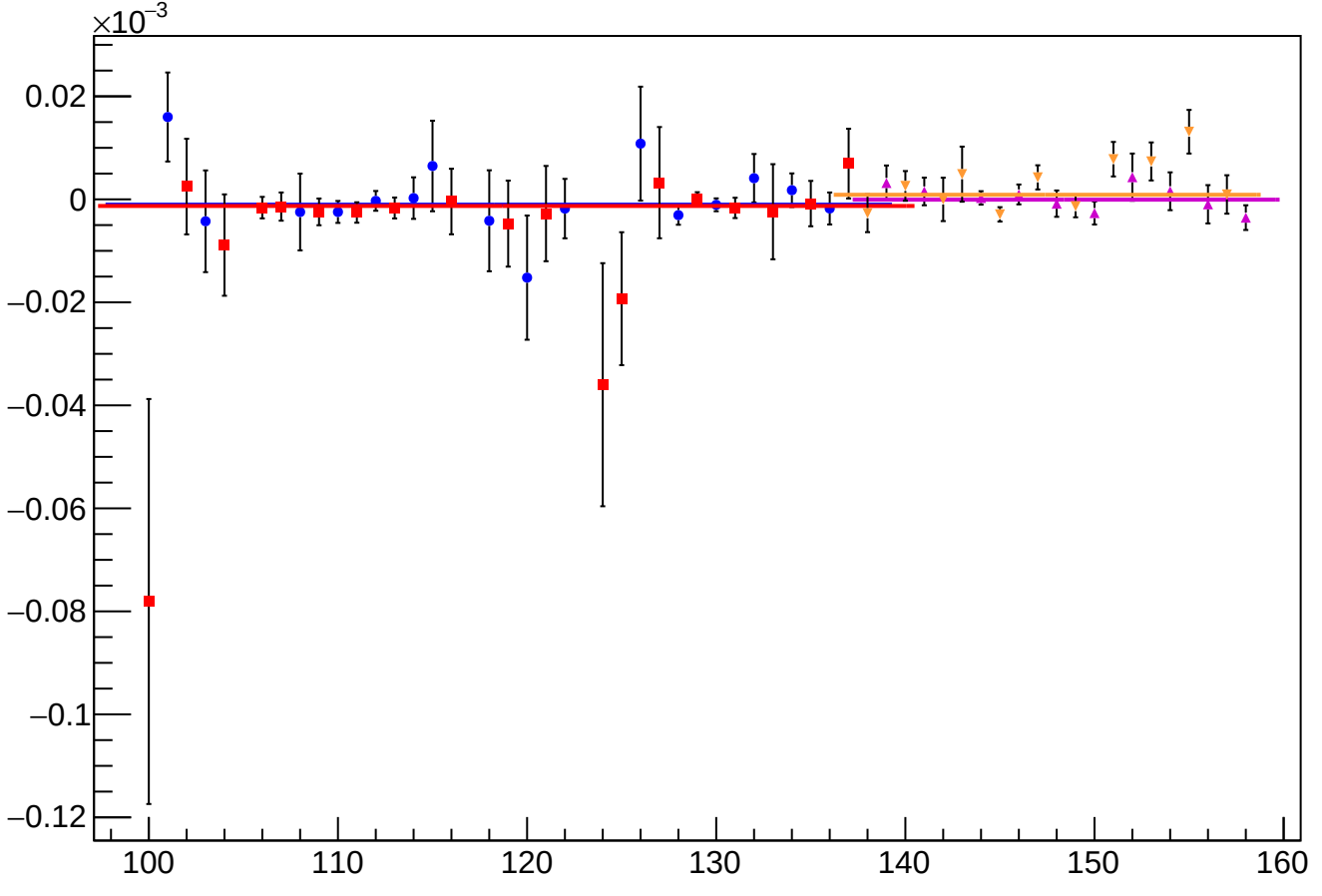
Left: 33.031+/-0.007 χ^2/NDF: 9454535.2/20

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 32.770+/-0.008 χ^2/NDF:9078435.4/25

Out: 55.172+/-0.011 χ^2/NDF:3802727.8/29

All: 39.974+/-0.006 χ^2/NDF: 15616162.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

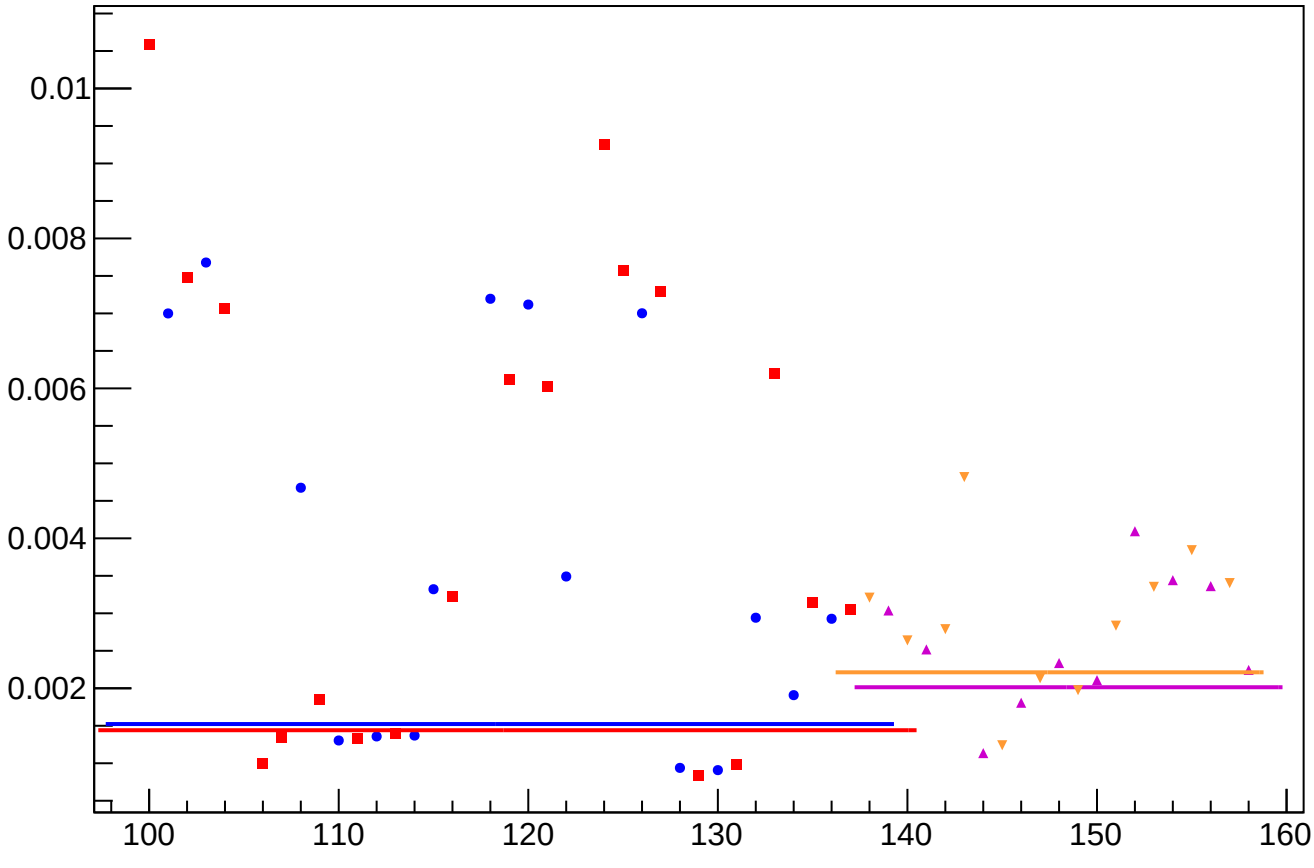
Left: 0.000+/-0.000 χ^2/NDF: 35.2/20

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:18.5/25

Out: -0.000+/-0.000 χ^2/NDF:44.6/29

All: -0.000+/-0.000 χ^2/NDF: 63.2/55



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2456478.3/10

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2212405.4/9

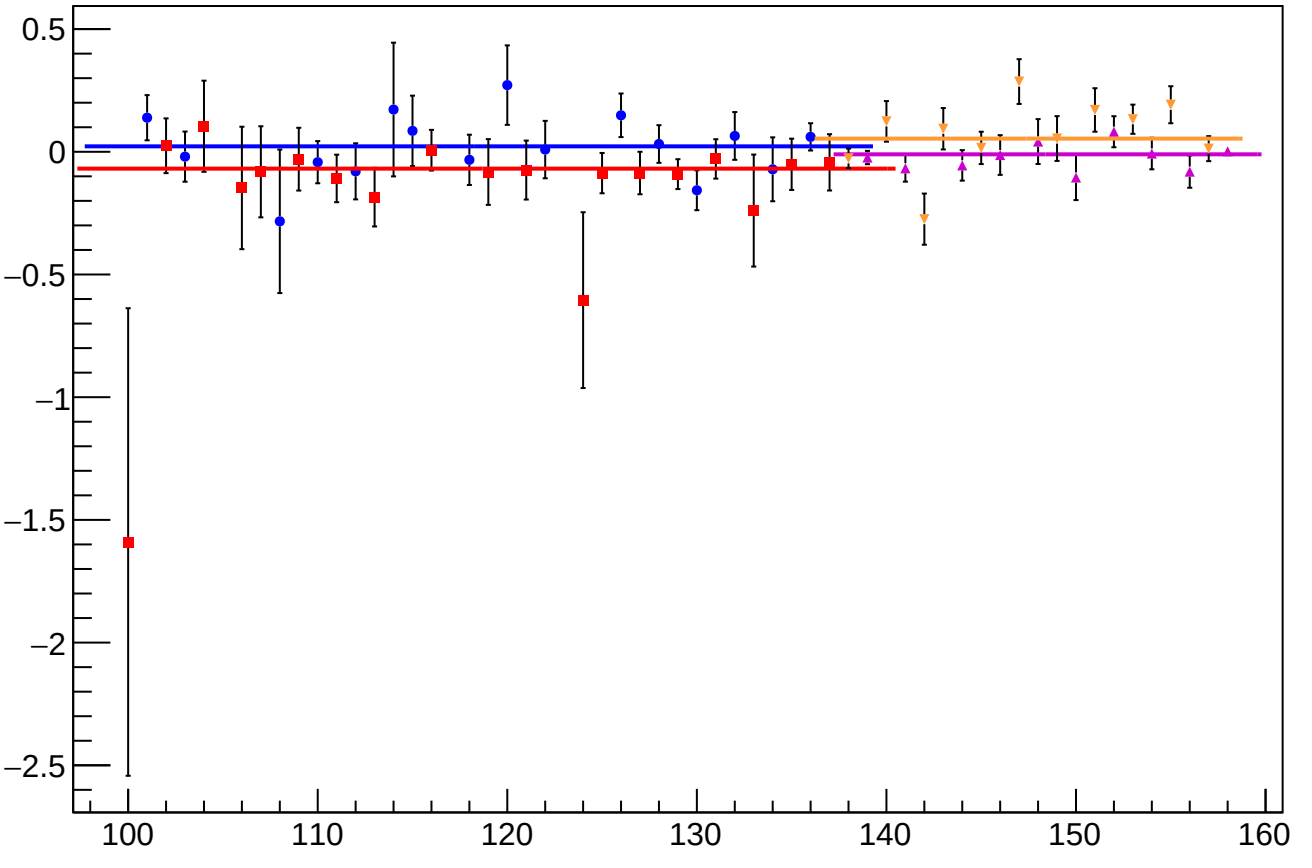
Left: 0.002+/-0.000 χ^2/NDF: 4733424.2/20

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:7833411.6/25

Out: 0.002+/-0.000 χ^2/NDF:9272006.4/29

All: 0.002+/-0.000 χ^2/NDF: 17105423.0/55



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.012 χ^2/NDF:7.1/9

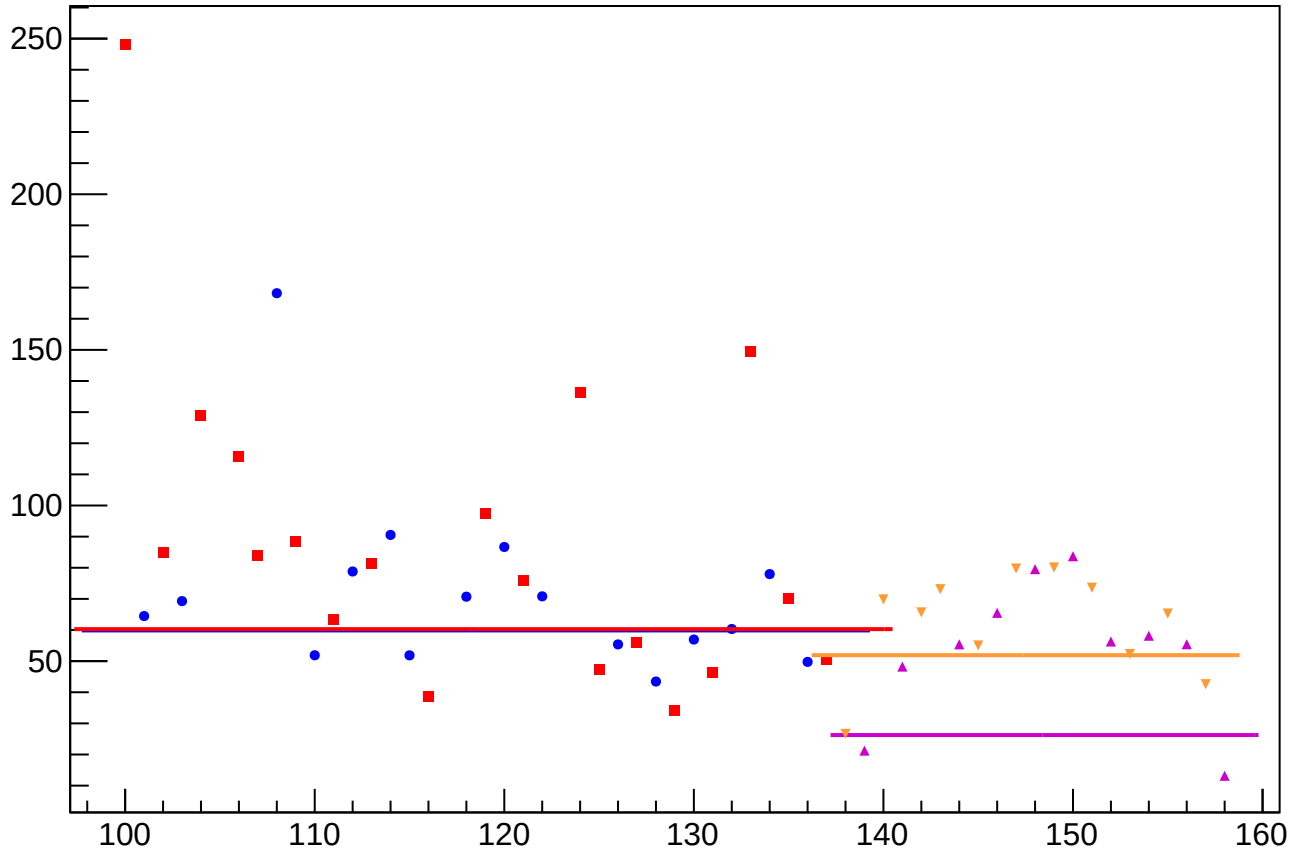
Left: 0.007+/-0.010 χ^2/NDF: 43.7/20

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.004+/-0.011 χ^2/NDF:24.0/25

Out: 0.006+/-0.016 χ^2/NDF:53.1/29

All: -0.001+/-0.009 χ^2/NDF: 77.4/55



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 51.913+/-0.014 χ^2/NDF:1692124.0/10

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.253+/-0.009 χ^2/NDF:5388463.8/9

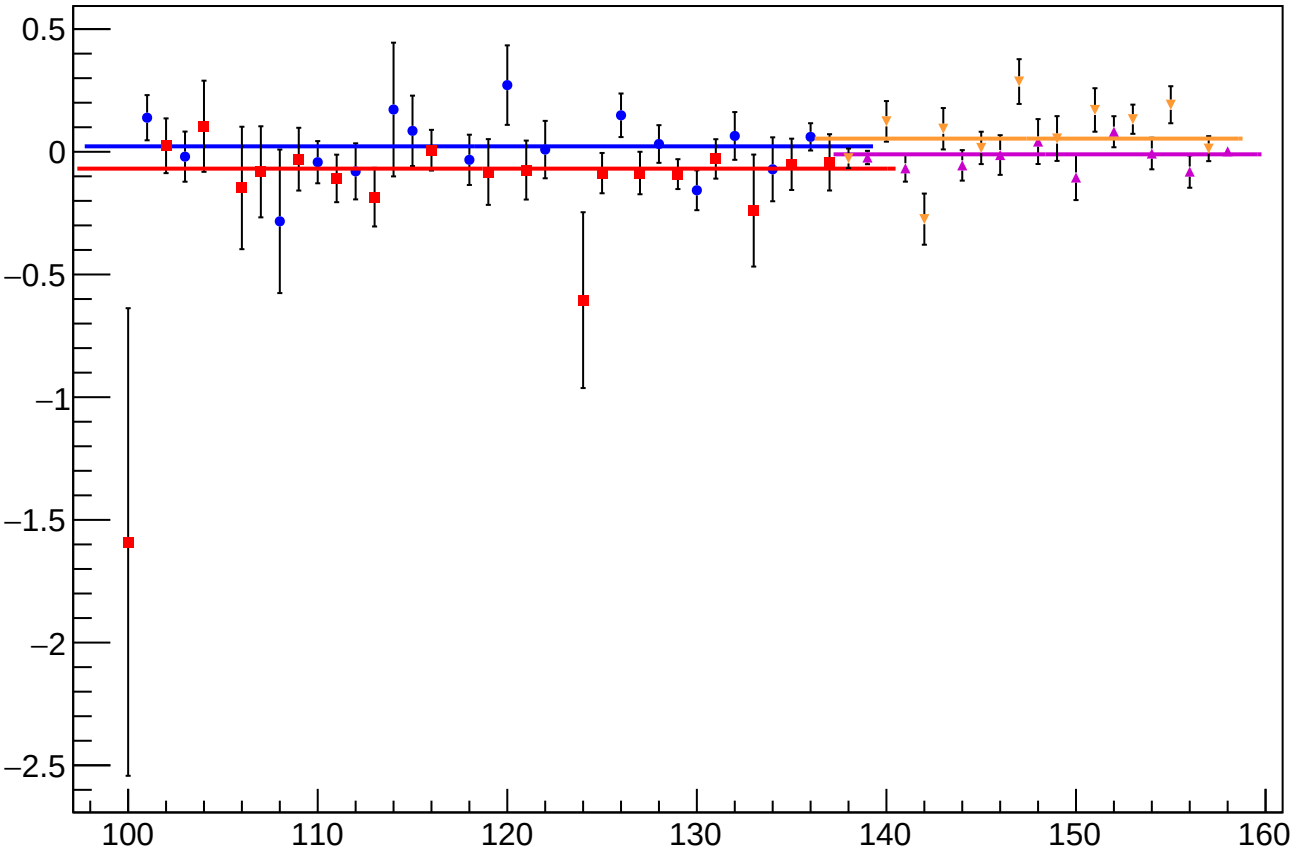
Left: 33.028+/-0.007 χ^2/NDF: 9456352.1/20

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 32.767+/-0.008 χ^2/NDF:9080061.5/25

Out: 55.172+/-0.011 χ^2/NDF:3803119.8/29

All: 39.971+/-0.006 χ^2/NDF: 15619045.0/55



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.012 χ^2/NDF:7.1/9

Left: 0.007+/-0.010 χ^2/NDF: 43.7/20

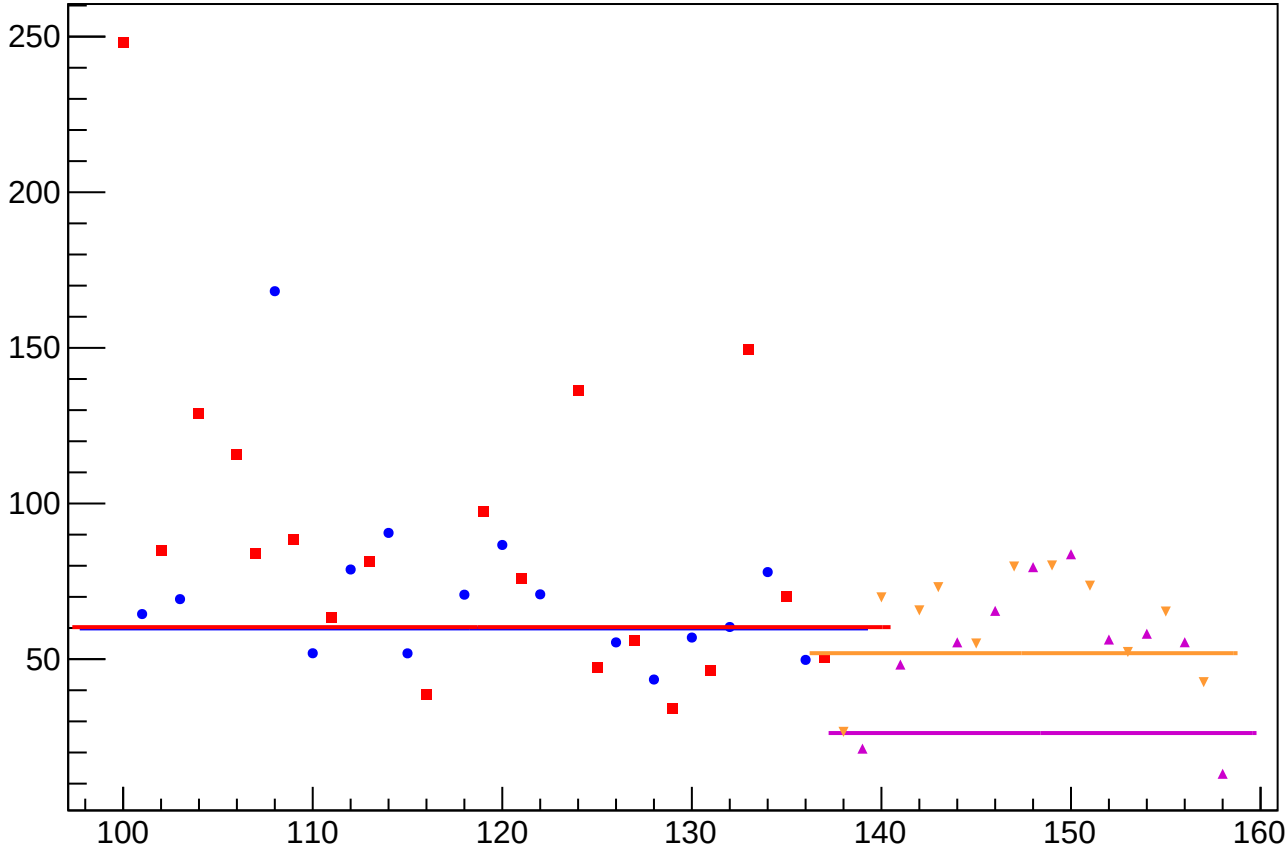
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.004+/-0.011 χ^2/NDF:24.0/25

Out: 0.006+/-0.016 χ^2/NDF:53.1/29

All: -0.001+/-0.009 χ^2/NDF: 77.4/55

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: 51.913+/-0.014 χ^2/NDF:1692124.0/10

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.253+/-0.009 χ^2/NDF:5388463.8/9

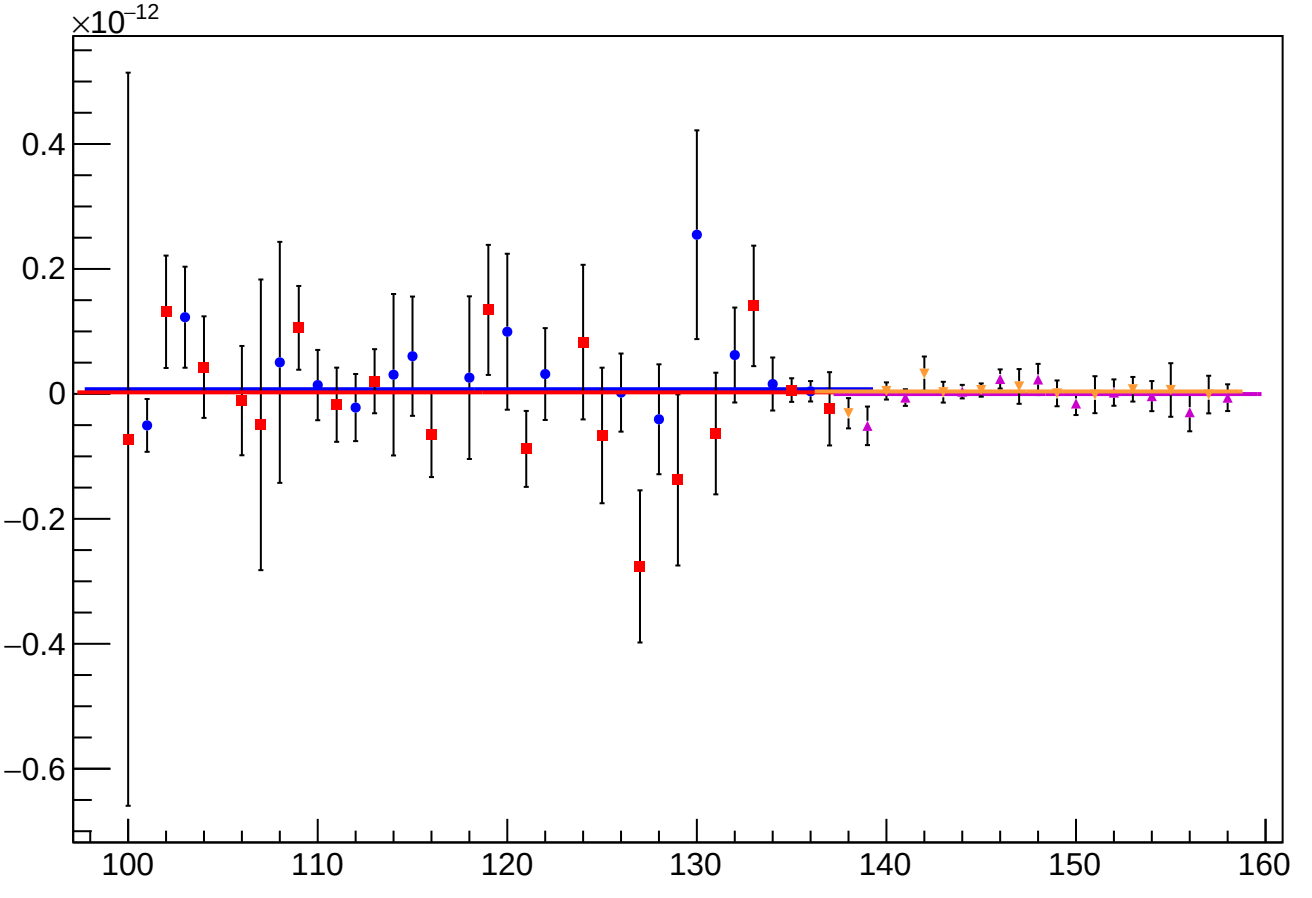
Left: 33.028+/-0.007 χ^2/NDF: 9456352.1/20

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 32.767+/-0.008 χ^2/NDF:9080061.5/25

Out: 55.172+/-0.011 χ^2/NDF:3803119.8/29

All: 39.971+/-0.006 χ^2/NDF: 15619045.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/9

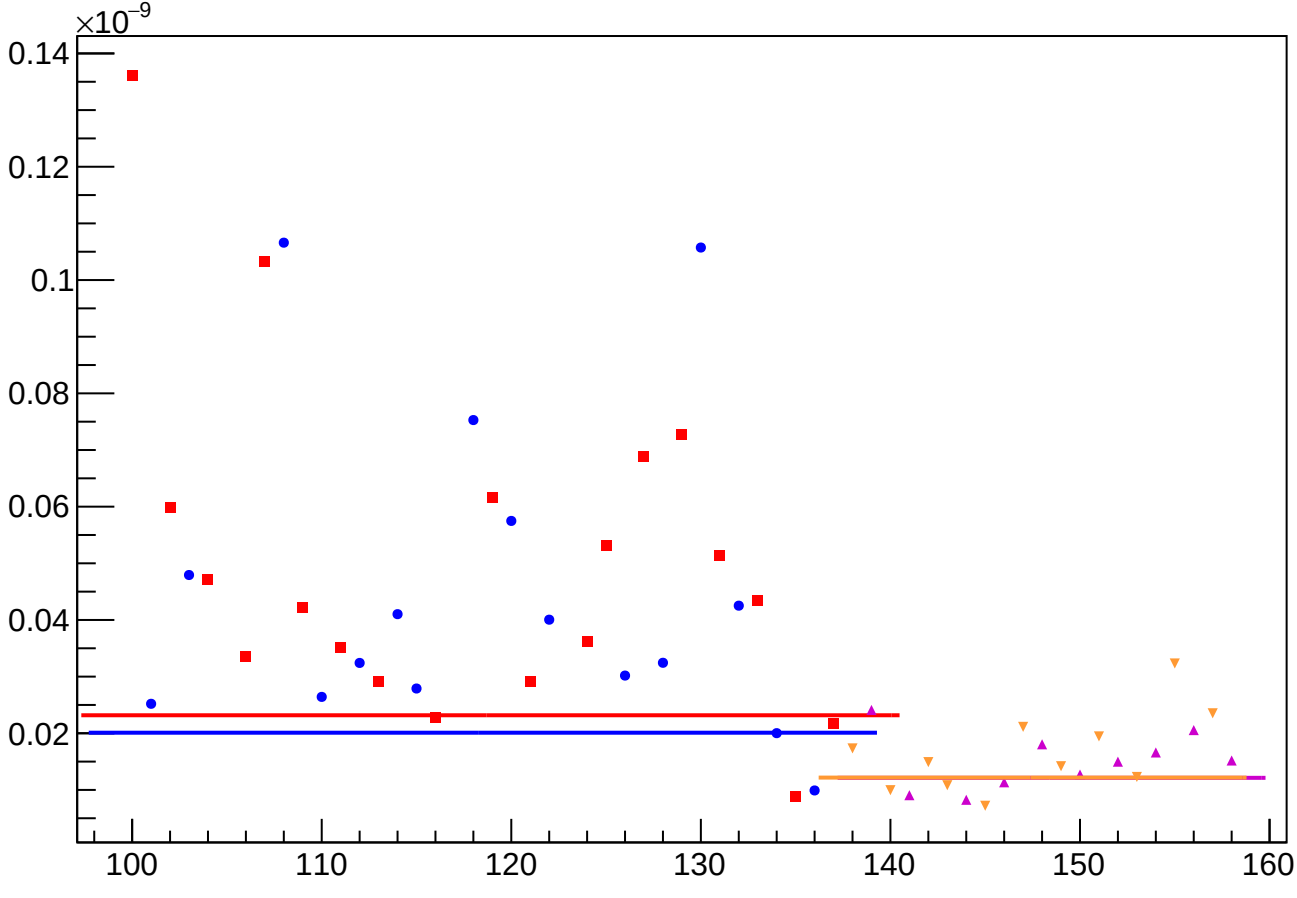
Left: 0.000+/-0.000 χ^2/NDF: 11.7/20

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:16.8/25

Out: 0.000+/-0.000 χ^2/NDF:23.1/29

All: 0.000+/-0.000 χ^2/NDF: 40.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1687441.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1081720.0/9

Left: 0.000+/-0.000 χ^2/NDF: 2769217.4/20

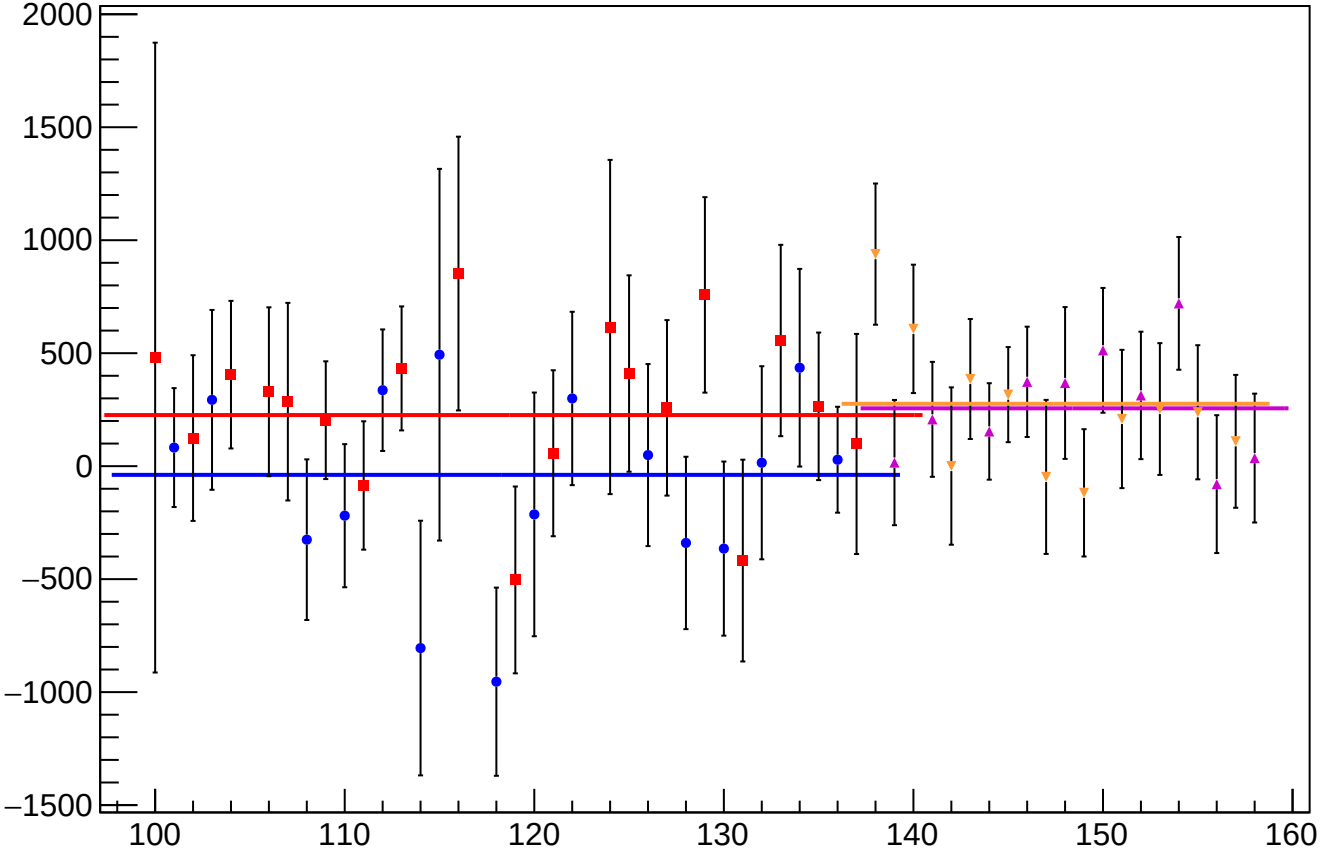
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4909813.3/25

Out: 0.000+/-0.000 χ^2/NDF:6336749.1/29

All: 0.000+/-0.000 χ^2/NDF: 11250433.3/55

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 276.047+/-86.322 χ^2/NDF:9.9/10

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 255.880+/-85.636 χ^2/NDF:6.6/9

Left: 265.883+/-60.795 χ^2/NDF: 16.5/20

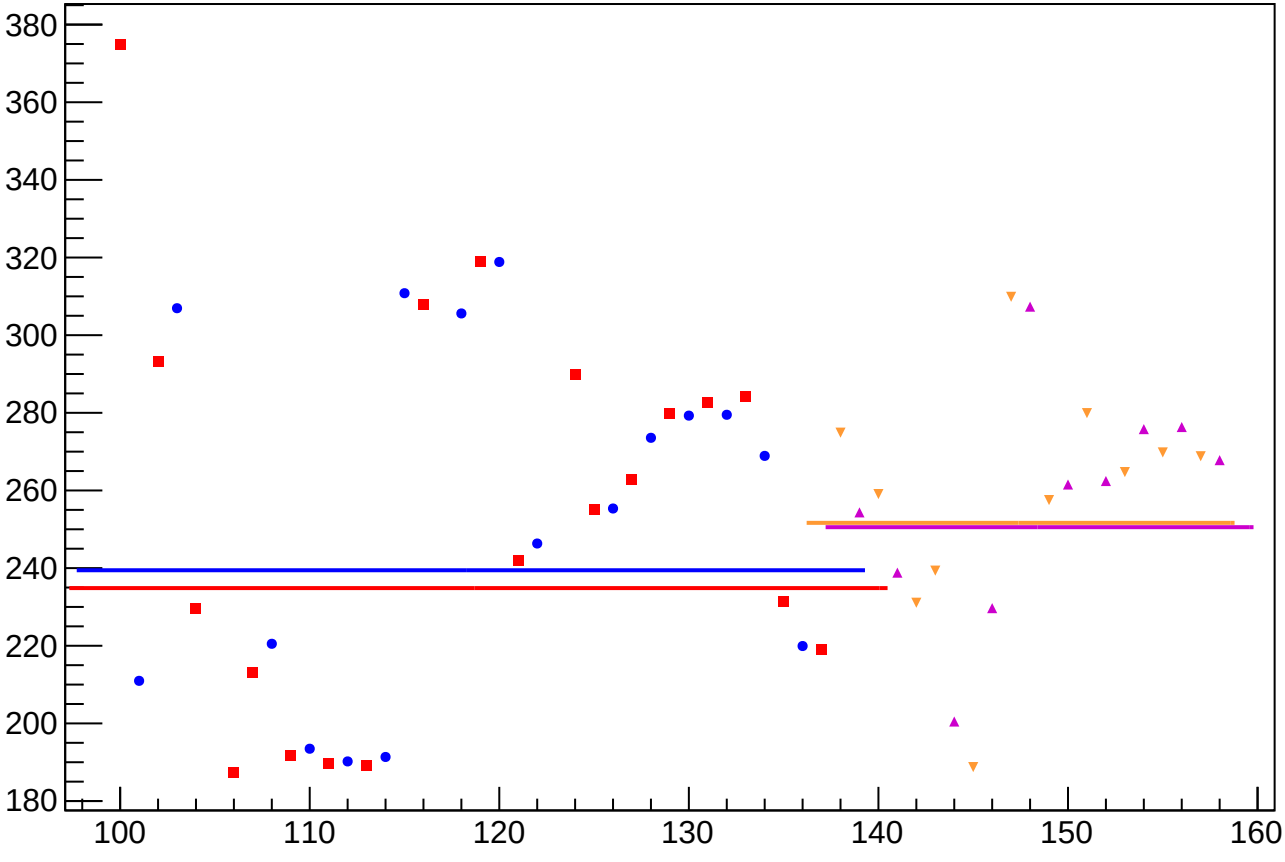
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 117.007+/-62.241 χ^2/NDF:26.6/25

Out: 251.561+/-61.592 χ^2/NDF:21.5/29

All: 184.989+/-43.780 χ^2/NDF: 50.5/55

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 251.662+/-0.061 χ^2/NDF:296947.4/10

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 250.544+/-0.061 χ^2/NDF:229480.5/9

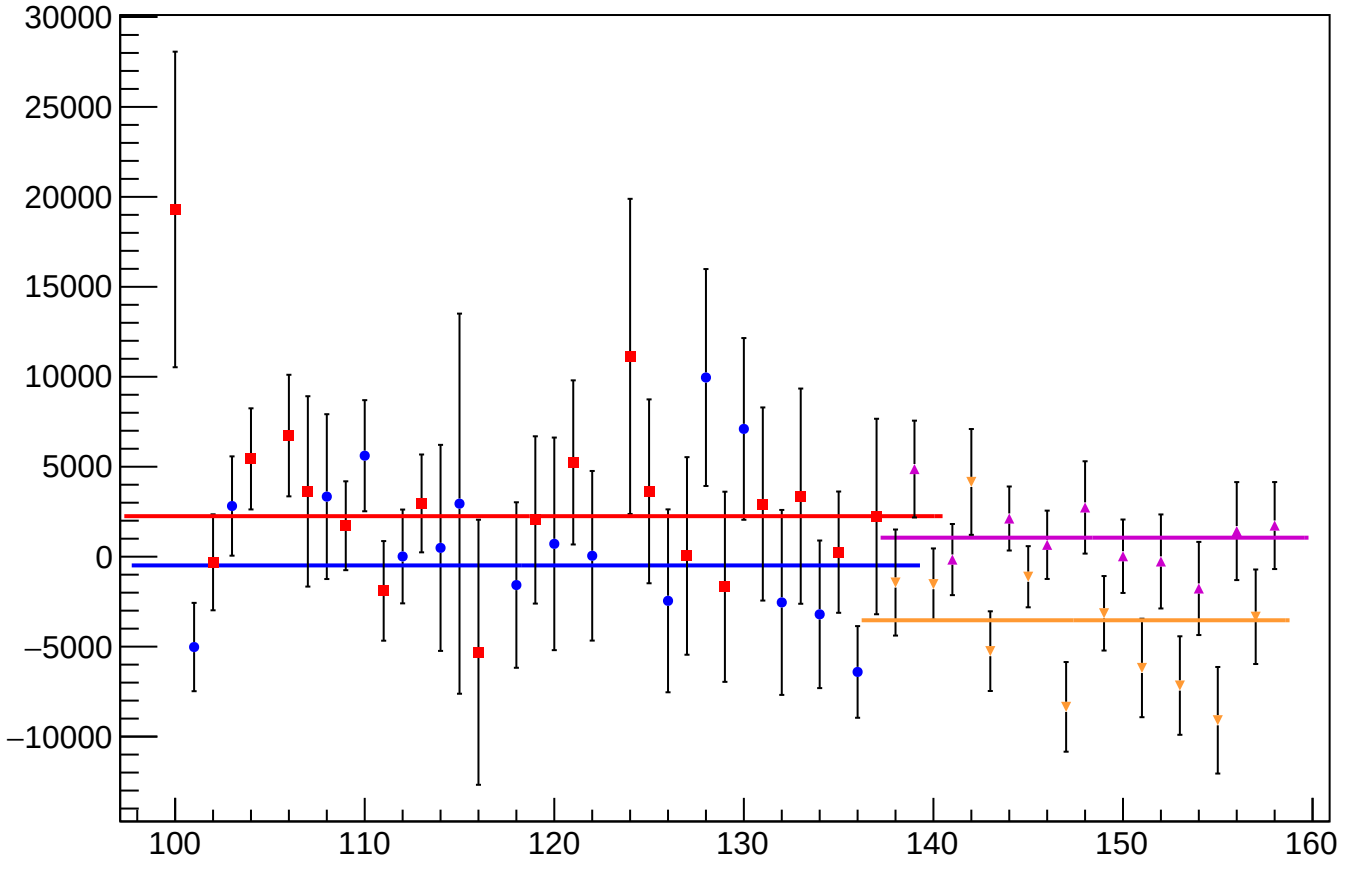
Left: 251.099+/-0.043 χ^2/NDF: 526596.9/20

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 245.310+/-0.044 χ^2/NDF:646274.4/25

Out: 243.411+/-0.044 χ^2/NDF:815882.3/29

All: 244.351+/-0.031 χ^2/NDF: 1463097.3/55



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3534.565+/-715.321 χ^2/NDF:21.0/10

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1056.096+/-710.586 χ^2/NDF:5.0/9

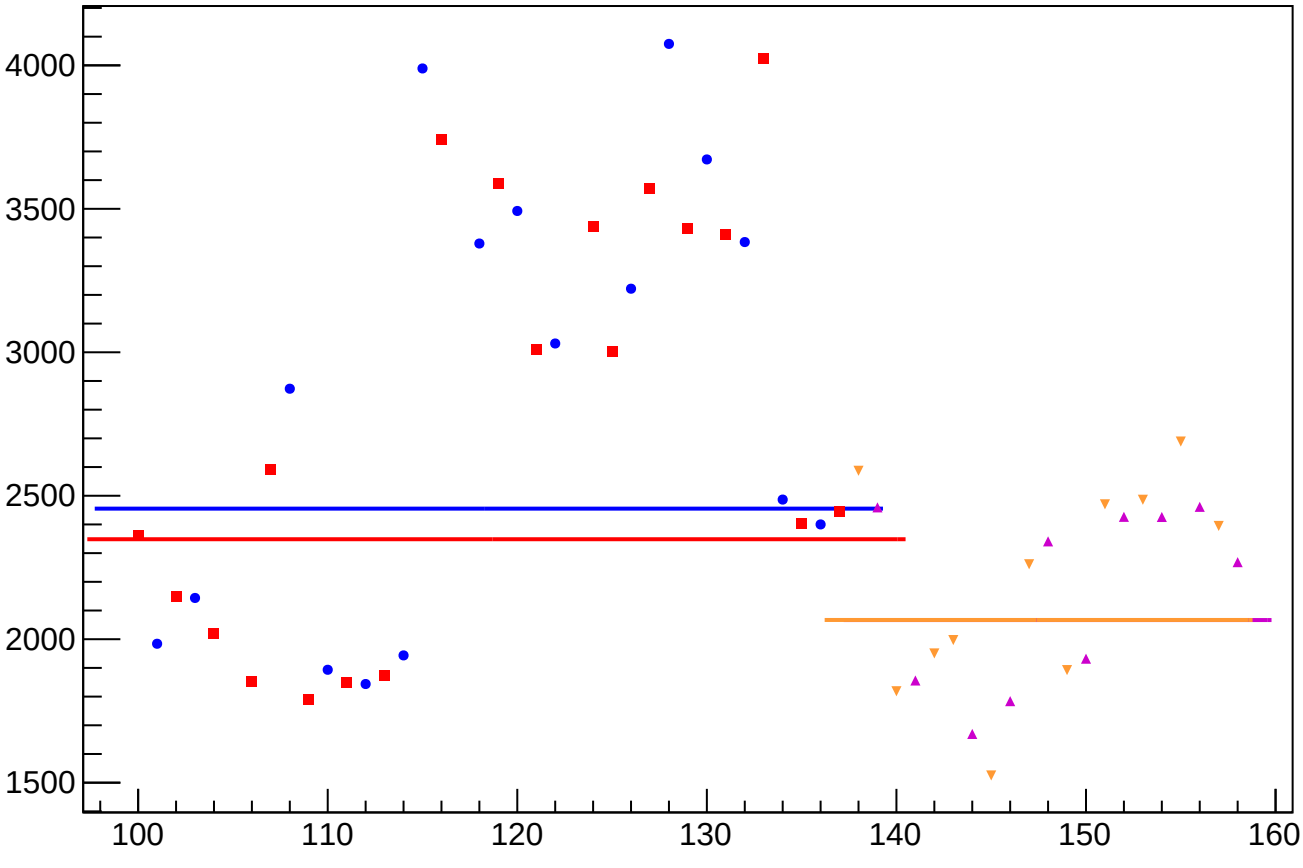
Left: -1223.990+/-504.126 χ^2/NDF: 46.7/20

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 500.973+/-568.471 χ^2/NDF:27.8/25

Out: -1276.493+/-558.577 χ^2/NDF:60.4/29

All: -403.363+/-398.426 χ^2/NDF: 93.2/55



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2067.083+/-0.506 χ^2/NDF:537818.3/10

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2066.802+/-0.502 χ^2/NDF:372976.2/9

Left: 2066.942+/-0.356 χ^2/NDF: 910794.6/20

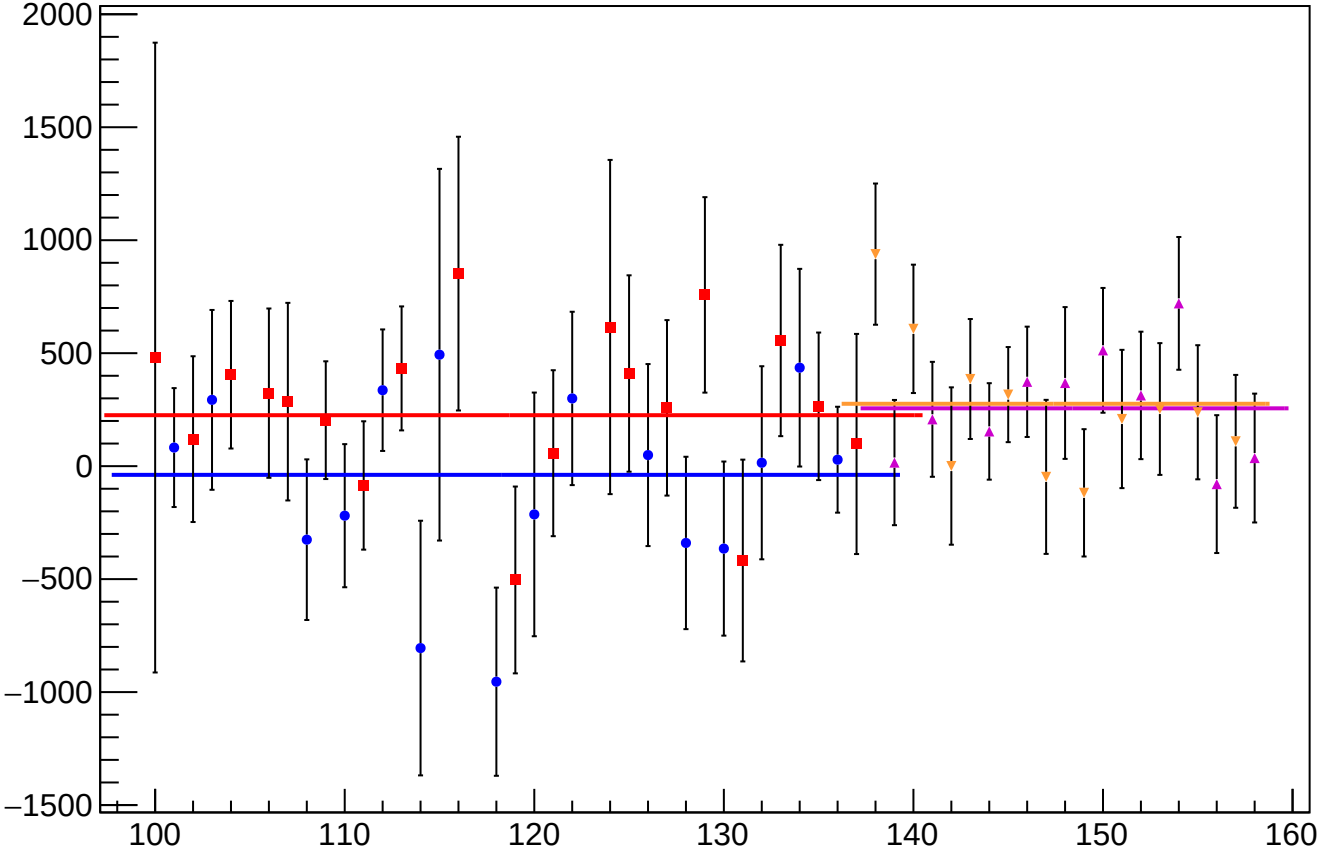
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2206.588+/-0.402 χ^2/NDF:1482361.4/25

Out: 2176.881+/-0.395 χ^2/NDF:1710989.5/29

All: 2191.474+/-0.282 χ^2/NDF: 3196129.9/55

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 276.057+/-86.322 χ^2/NDF:9.9/10

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 255.886+/-85.636 χ^2/NDF:6.6/9

Left: 265.891+/-60.795 χ^2/NDF: 16.5/20

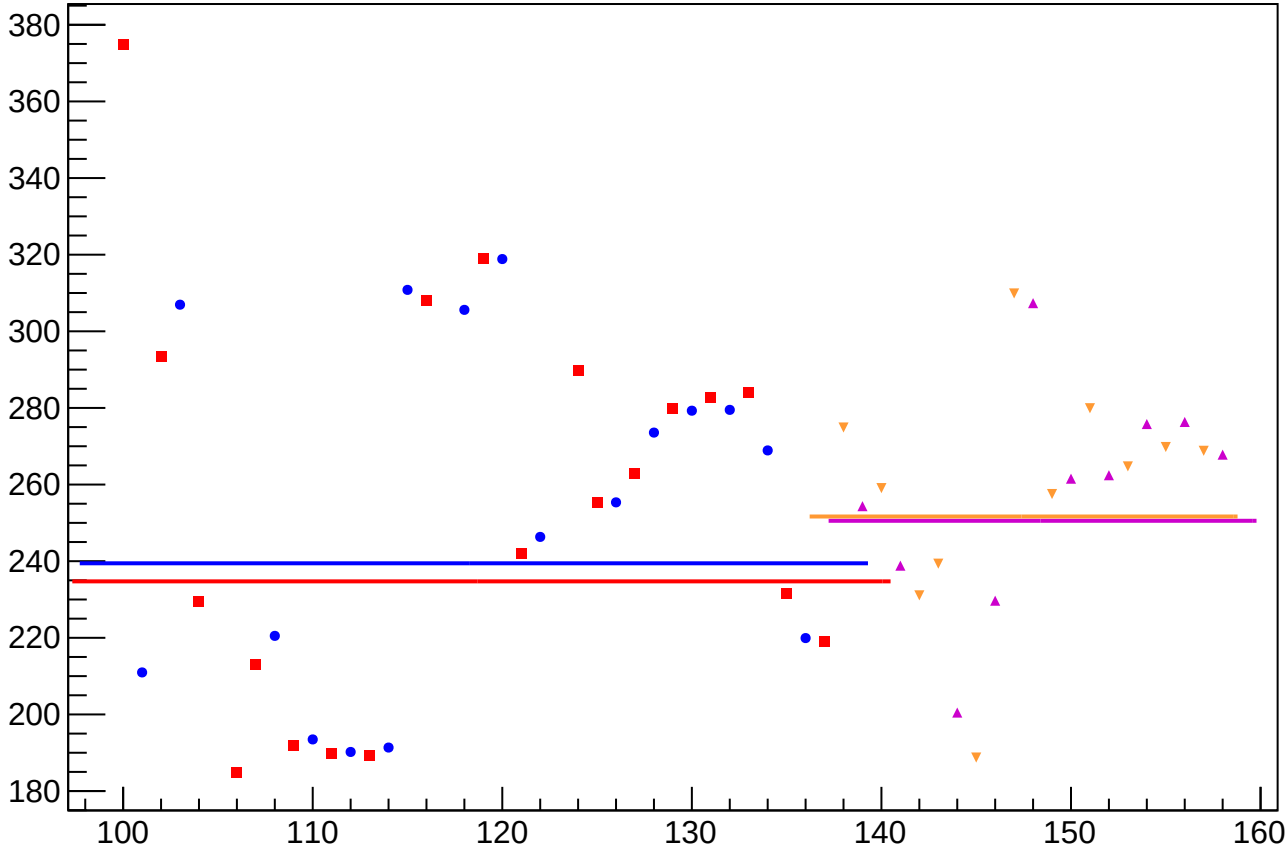
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 117.000+/-62.241 χ^2/NDF:26.6/25

Out: 251.250+/-61.597 χ^2/NDF:21.5/29

All: 184.823+/-43.781 χ^2/NDF: 50.5/55

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.662+/-0.061 χ^2/NDF:296947.4/10

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 250.544+/-0.061 χ^2/NDF:229480.6/9

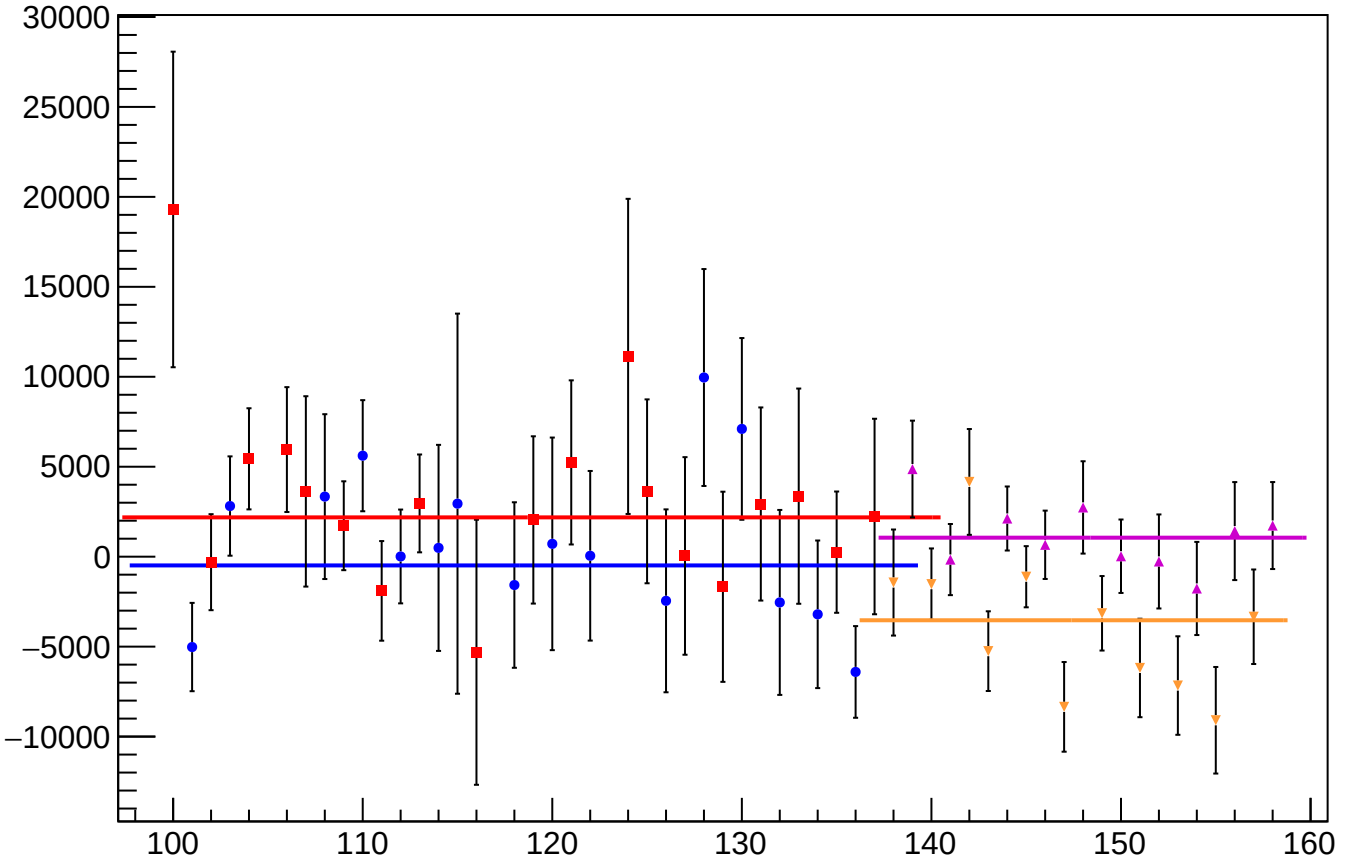
Left: 251.099+/-0.043 χ^2/NDF: 526596.9/20

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 245.310+/-0.044 χ^2/NDF:646276.7/25

Out: 243.353+/-0.044 χ^2/NDF:819940.4/29

All: 244.321+/-0.031 χ^2/NDF: 1467216.4/55



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3534.555+/-715.321 χ^2/NDF:21.0/10

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1056.112+/-710.586 χ^2/NDF:5.0/9

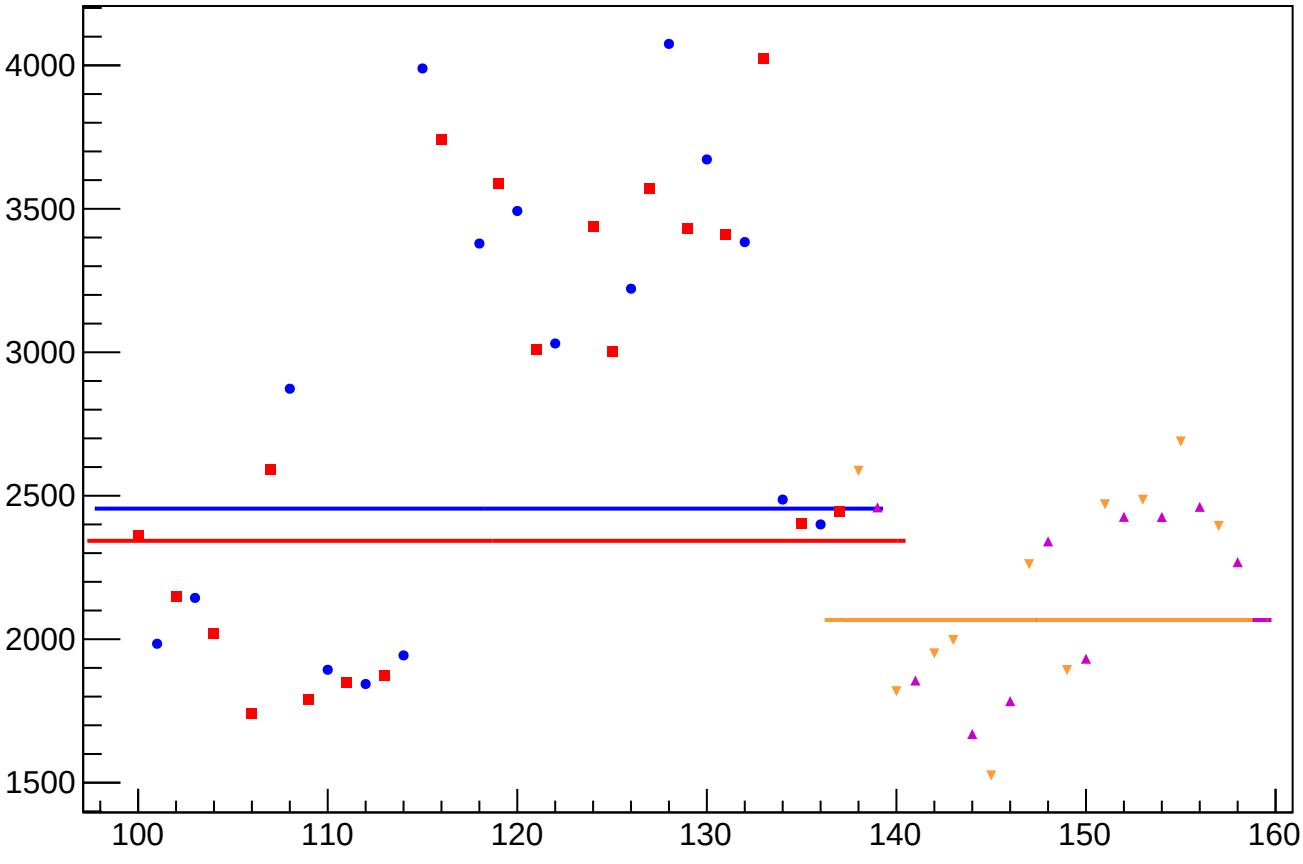
Left: -1223.978+/-504.126 χ^2/NDF: 46.7/20

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 500.929+/-568.473 χ^2/NDF:27.8/25

Out: -1307.800+/-558.988 χ^2/NDF:59.1/29

All: -418.650+/-398.576 χ^2/NDF: 92.1/55



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2067.083+/-0.506 χ^2/NDF:537820.7/10

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2066.803+/-0.502 χ^2/NDF:372973.8/9

Left: 2066.942+/-0.356 χ^2/NDF: 910794.7/20

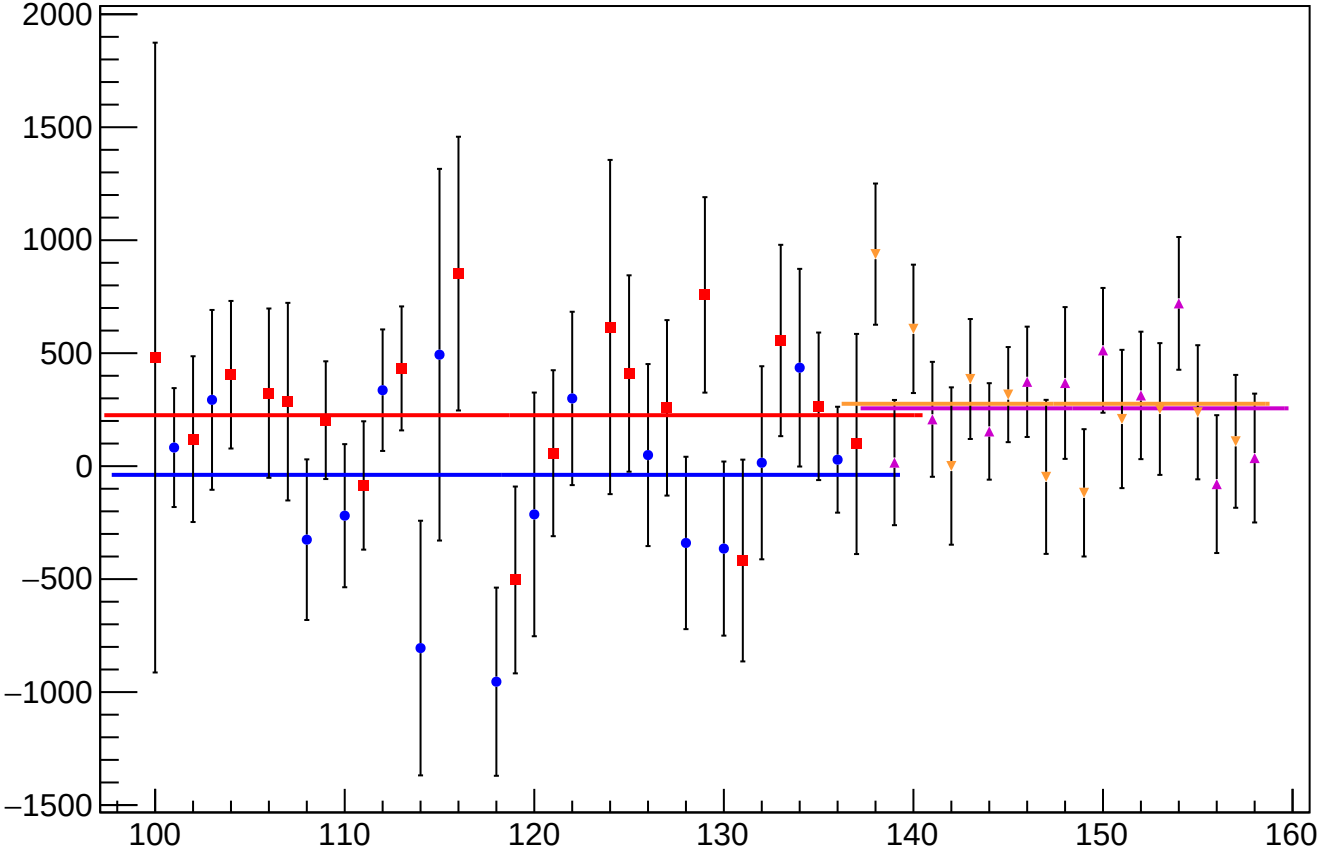
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2206.596+/-0.402 χ^2/NDF:1482351.3/25

Out: 2174.489+/-0.395 χ^2/NDF:1724024.2/29

All: 2190.273+/-0.282 χ^2/NDF: 3209619.0/55

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 276.057+/-86.322 χ^2/NDF:9.9/10

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 255.886+/-85.636 χ^2/NDF:6.6/9

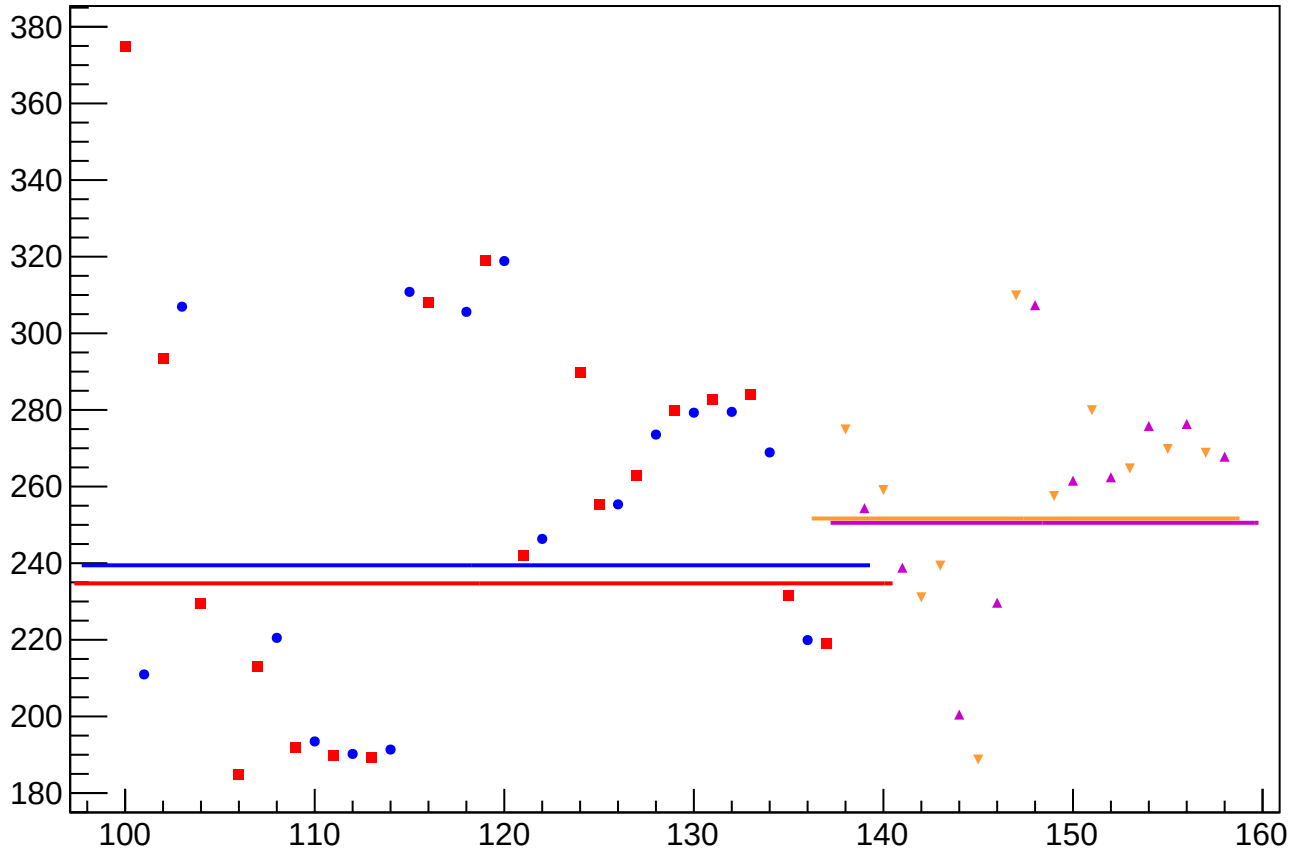
Left: 265.891+/-60.795 χ^2/NDF: 16.5/20

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 117.000+/-62.241 χ^2/NDF:26.6/25

Out: 251.250+/-61.597 χ^2/NDF:21.5/29

All: 184.823+/-43.781 χ^2/NDF: 50.5/55



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.662+/-0.061 χ^2/NDF:296947.4/10

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 250.544+/-0.061 χ^2/NDF:229480.6/9

Left: 251.099+/-0.043 χ^2/NDF: 526596.9/20

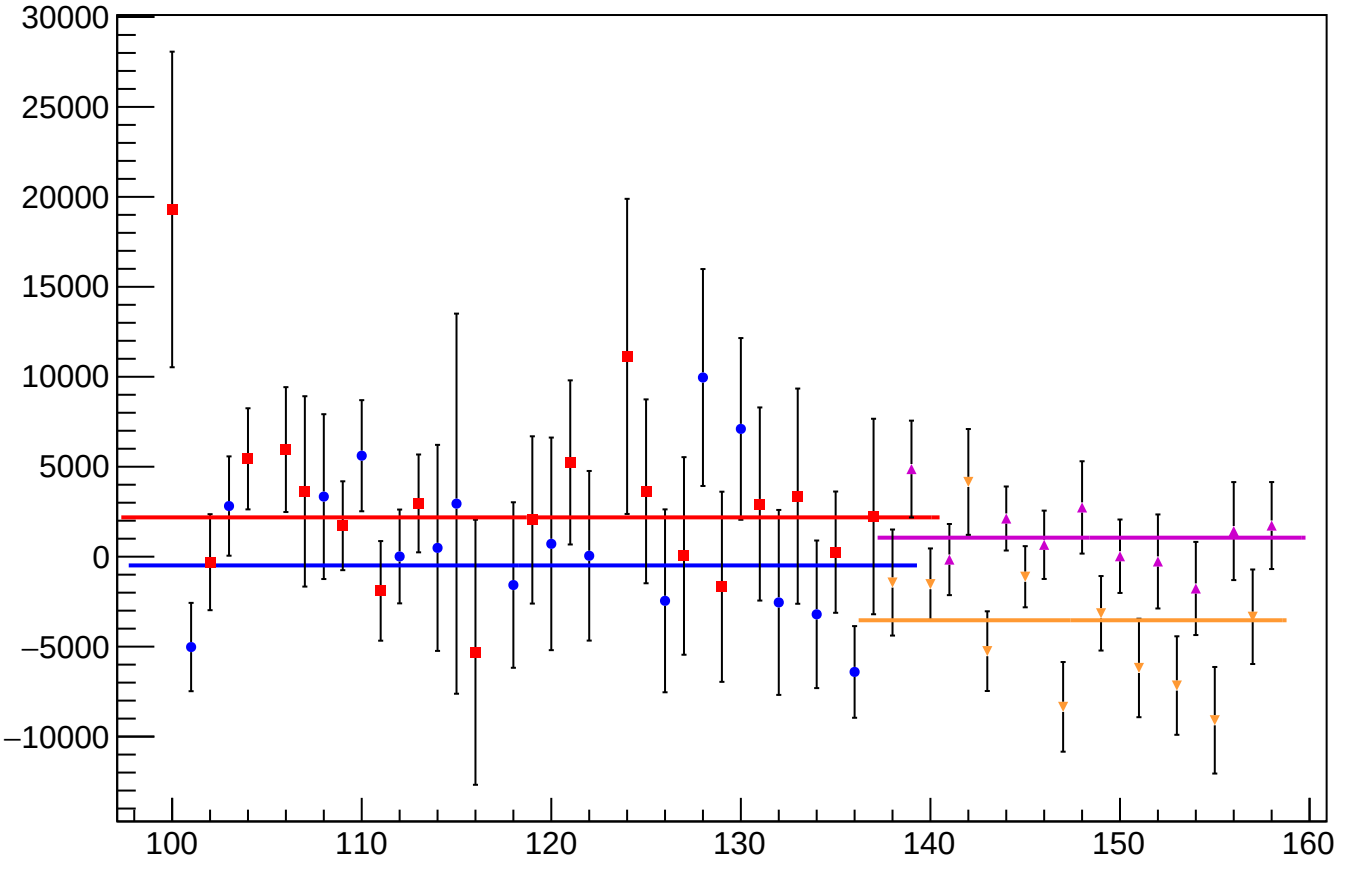
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 245.310+/-0.044 χ^2/NDF:646276.7/25

Out: 243.353+/-0.044 χ^2/NDF:819940.4/29

All: 244.321+/-0.031 χ^2/NDF: 1467216.4/55

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3534.555+/-715.321 χ^2/NDF:21.0/10

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1056.112+/-710.586 χ^2/NDF:5.0/9

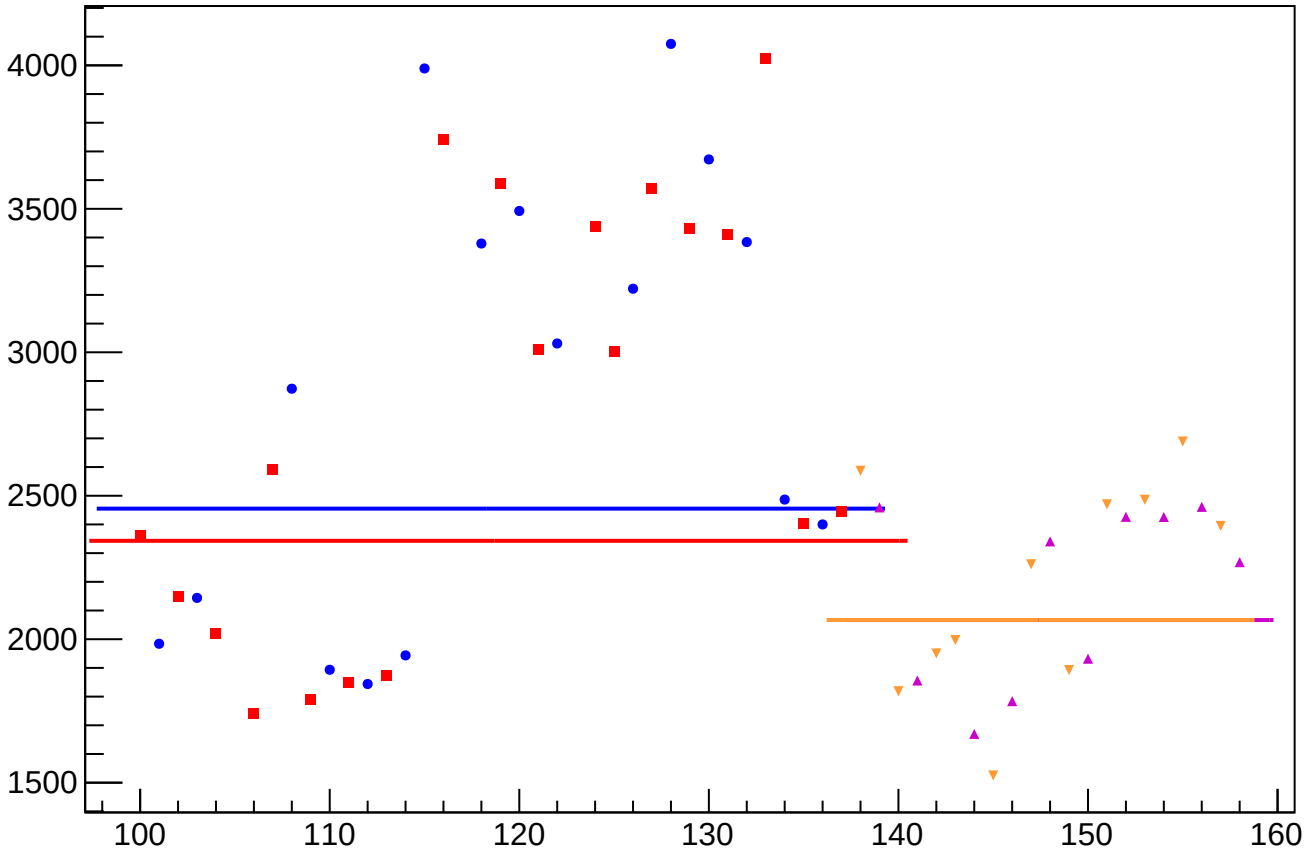
Left: -1223.978+/-504.126 χ^2/NDF: 46.7/20

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 500.929+/-568.473 χ^2/NDF:27.8/25

Out: -1307.800+/-558.988 χ^2/NDF:59.1/29

All: -418.650+/-398.576 χ^2/NDF: 92.1/55



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2067.083+/-0.506 χ^2/NDF:537820.7/10

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2066.803+/-0.502 χ^2/NDF:372973.8/9

Left: 2066.942+/-0.356 χ^2/NDF: 910794.7/20

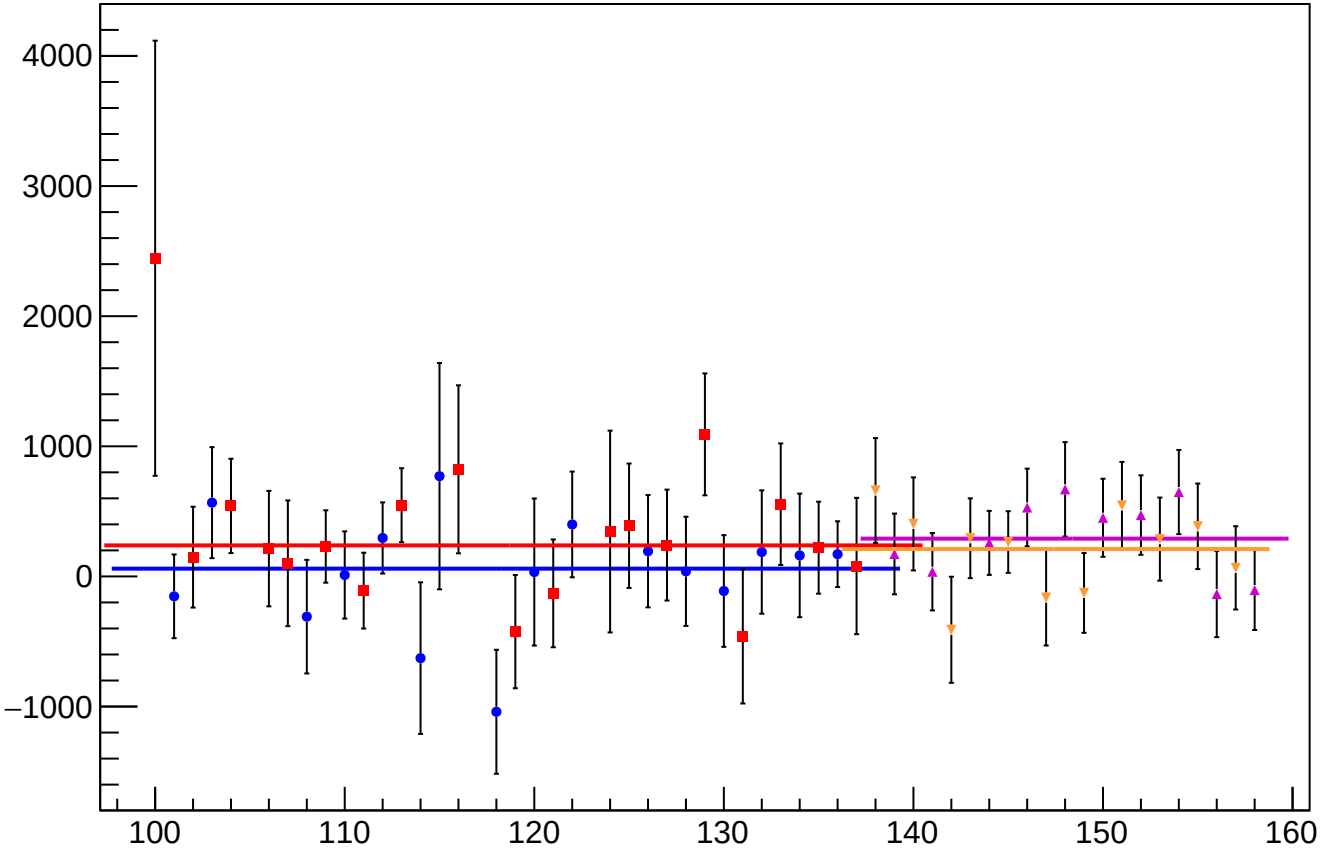
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2206.596+/-0.402 χ^2/NDF:1482351.3/25

Out: 2174.489+/-0.395 χ^2/NDF:1724024.2/29

All: 2190.273+/-0.282 χ^2/NDF: 3209619.0/55

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 210.554+/-97.962 χ^2/NDF:7.8/10

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 290.426+/-96.180 χ^2/NDF:7.8/9

Left: 251.223+/-68.631 χ^2/NDF: 15.9/20

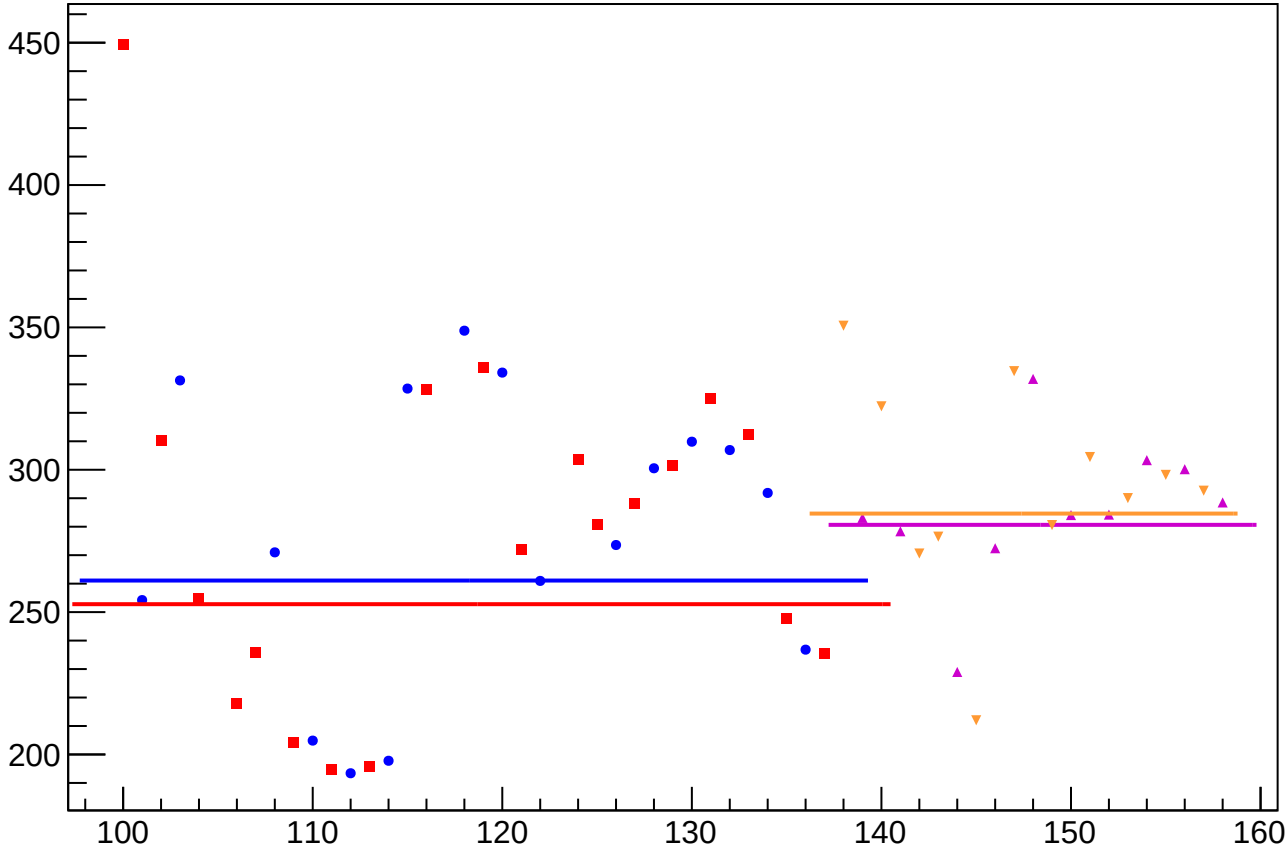
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 178.676+/-69.063 χ^2/NDF:22.6/25

Out: 224.955+/-68.221 χ^2/NDF:22.7/29

All: 202.099+/-48.534 χ^2/NDF: 45.5/55

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 284.607+/-0.069 χ^2/NDF:317023.4/10

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 280.649+/-0.068 χ^2/NDF:148487.0/9

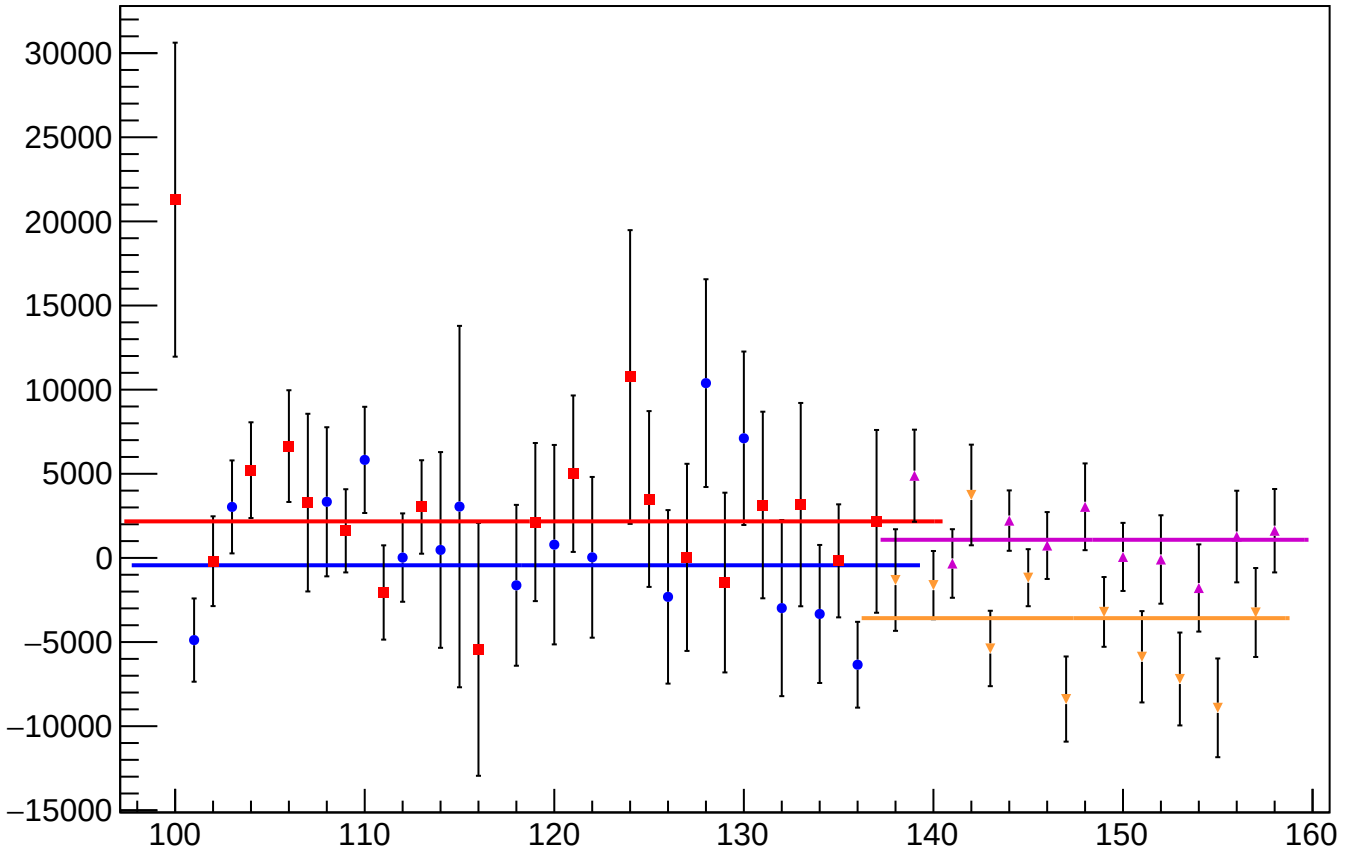
Left: 282.592+/-0.049 χ^2/NDF: 467172.3/20

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 271.174+/-0.049 χ^2/NDF:651219.1/25

Out: 268.219+/-0.048 χ^2/NDF:962988.8/29

All: 269.678+/-0.034 χ^2/NDF: 1616061.4/55



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3578.931+/-720.344 χ^2/NDF:19.5/10

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1078.401+/-720.965 χ^2/NDF:5.2/9

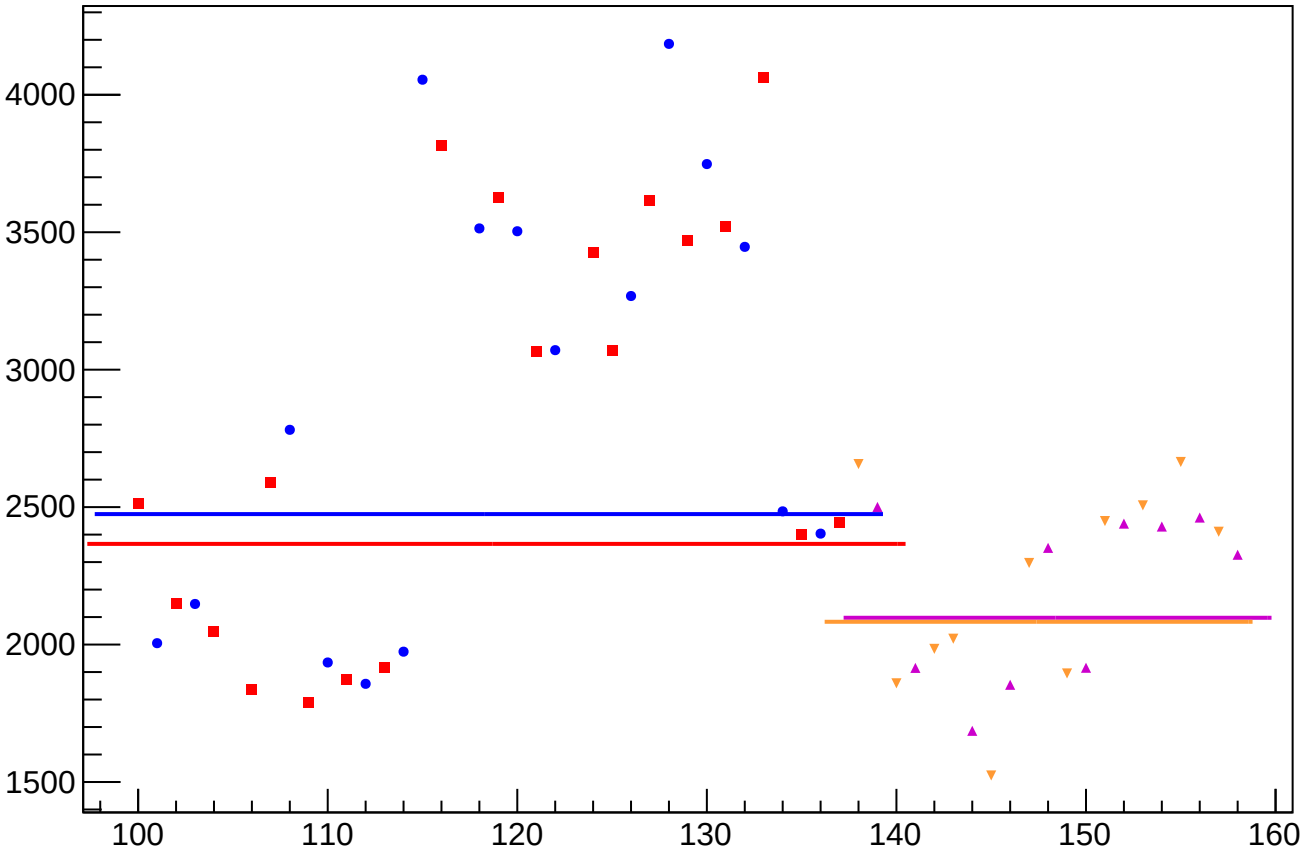
Left: -1252.271+/-509.579 χ^2/NDF: 45.6/20

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 528.463+/-575.435 χ^2/NDF:28.0/25

Out: -1336.673+/-562.658 χ^2/NDF:58.4/29

All: -425.042+/-402.300 χ^2/NDF: 91.7/55



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2082.883+/-0.509 χ^2/NDF:541395.8/10

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2097.473+/-0.510 χ^2/NDF:349860.4/9

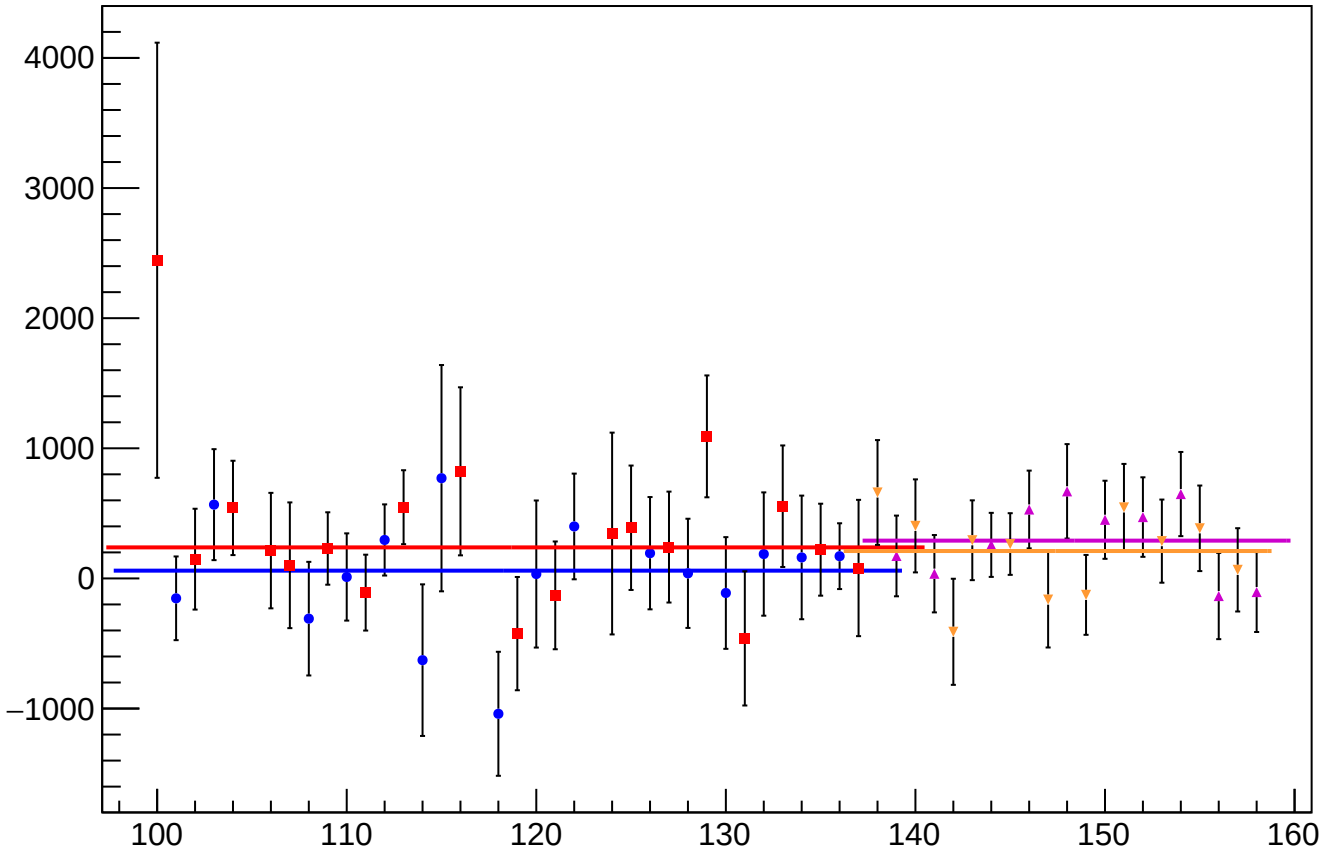
Left: 2090.172+/-0.360 χ^2/NDF: 891666.1/20

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2234.364+/-0.407 χ^2/NDF:1464762.4/25

Out: 2193.353+/-0.398 χ^2/NDF:1739214.1/29

All: 2213.398+/-0.284 χ^2/NDF: 3209170.0/55



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 210.556+/-97.962 χ^2/NDF:7.8/10

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 290.427+/-96.181 χ^2/NDF:7.8/9

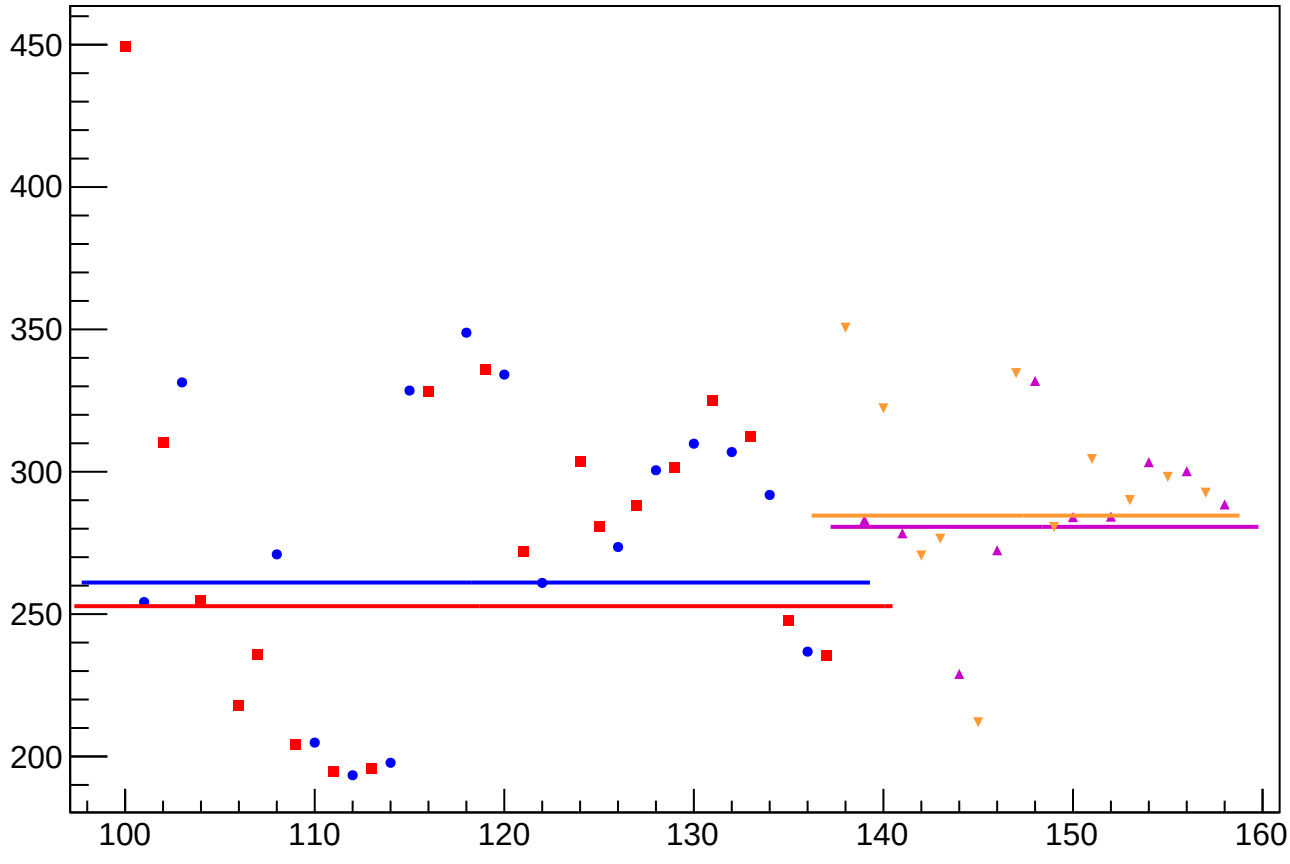
Left: 251.224+/-68.631 χ^2/NDF: 15.9/20

Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 178.679+/-69.063 χ^2/NDF:22.6/25

Out: 224.956+/-68.221 χ^2/NDF:22.7/29

All: 202.101+/-48.534 χ^2/NDF: 45.5/55



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 284.607+/-0.069 χ^2/NDF:317018.7/10

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 280.650+/-0.068 χ^2/NDF:148485.3/9

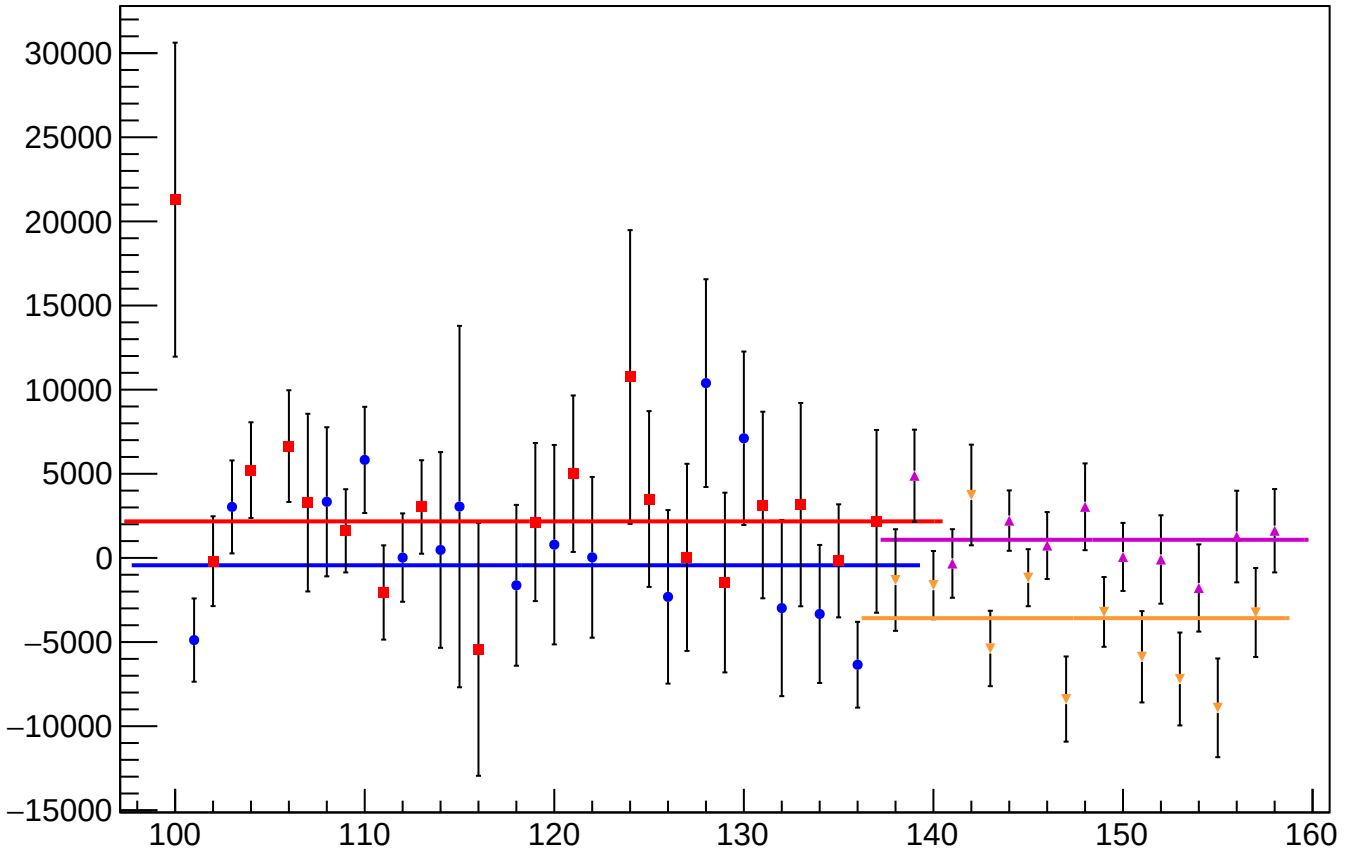
Left: 282.592+/-0.049 χ^2/NDF: 467165.9/20

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 271.174+/-0.049 χ^2/NDF:651222.1/25

Out: 268.219+/-0.048 χ^2/NDF:962990.9/29

All: 269.679+/-0.034 χ^2/NDF: 1616066.5/55



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3578.926+/-720.343 χ^2/NDF:19.5/10

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1078.400+/-720.964 χ^2/NDF:5.2/9

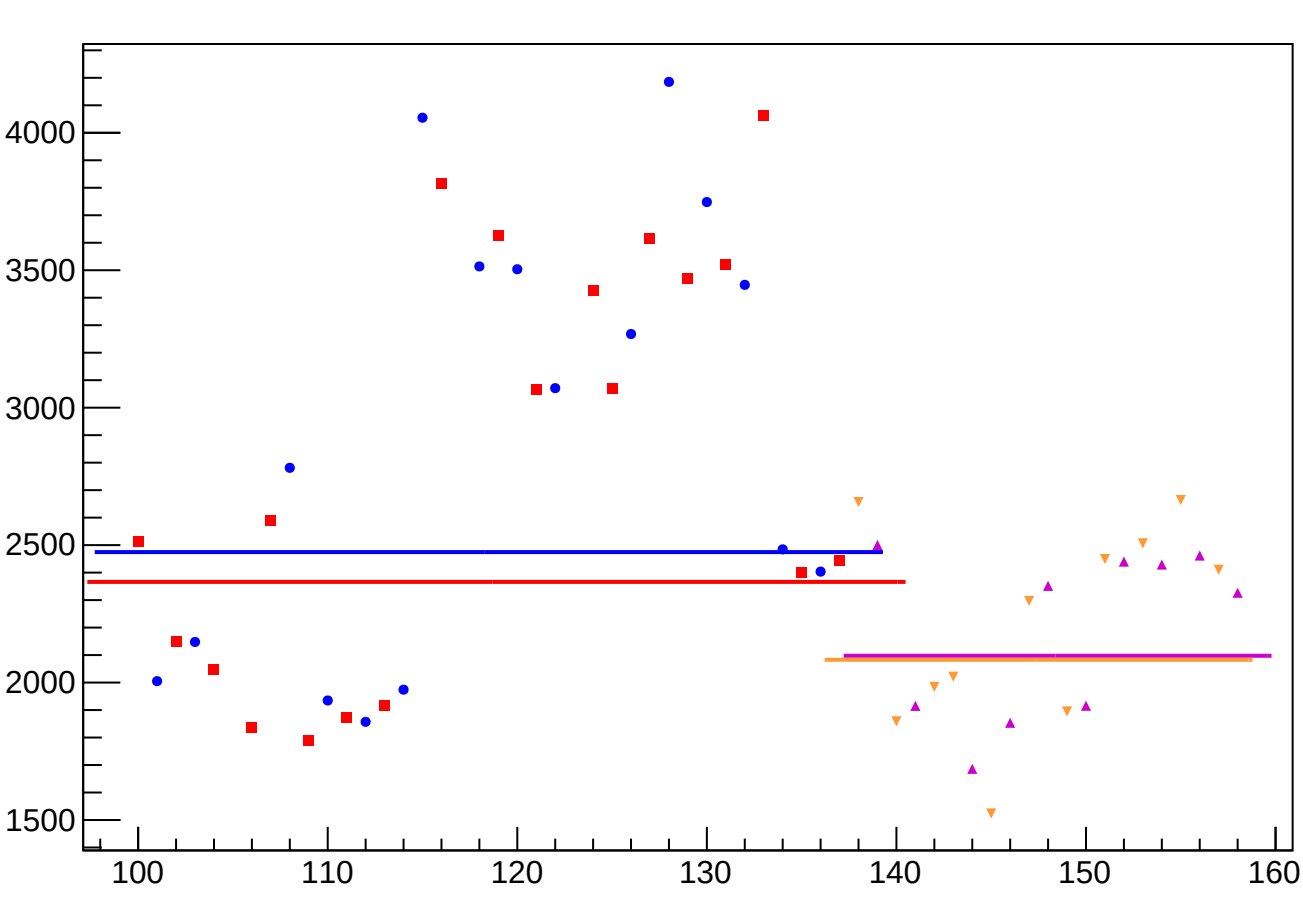
Left: -1252.271+/-509.579 χ^2/NDF: 45.6/20

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 528.462+/-575.434 χ^2/NDF:28.0/25

Out: -1336.672+/-562.657 χ^2/NDF:58.4/29

All: -425.041+/-402.300 χ^2/NDF: 91.7/55



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2082.881+/-0.509 χ^2/NDF:541398.8/10

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2097.472+/-0.510 χ^2/NDF:349858.6/9

Left: 2090.170+/-0.360 χ^2/NDF: 891667.4/20

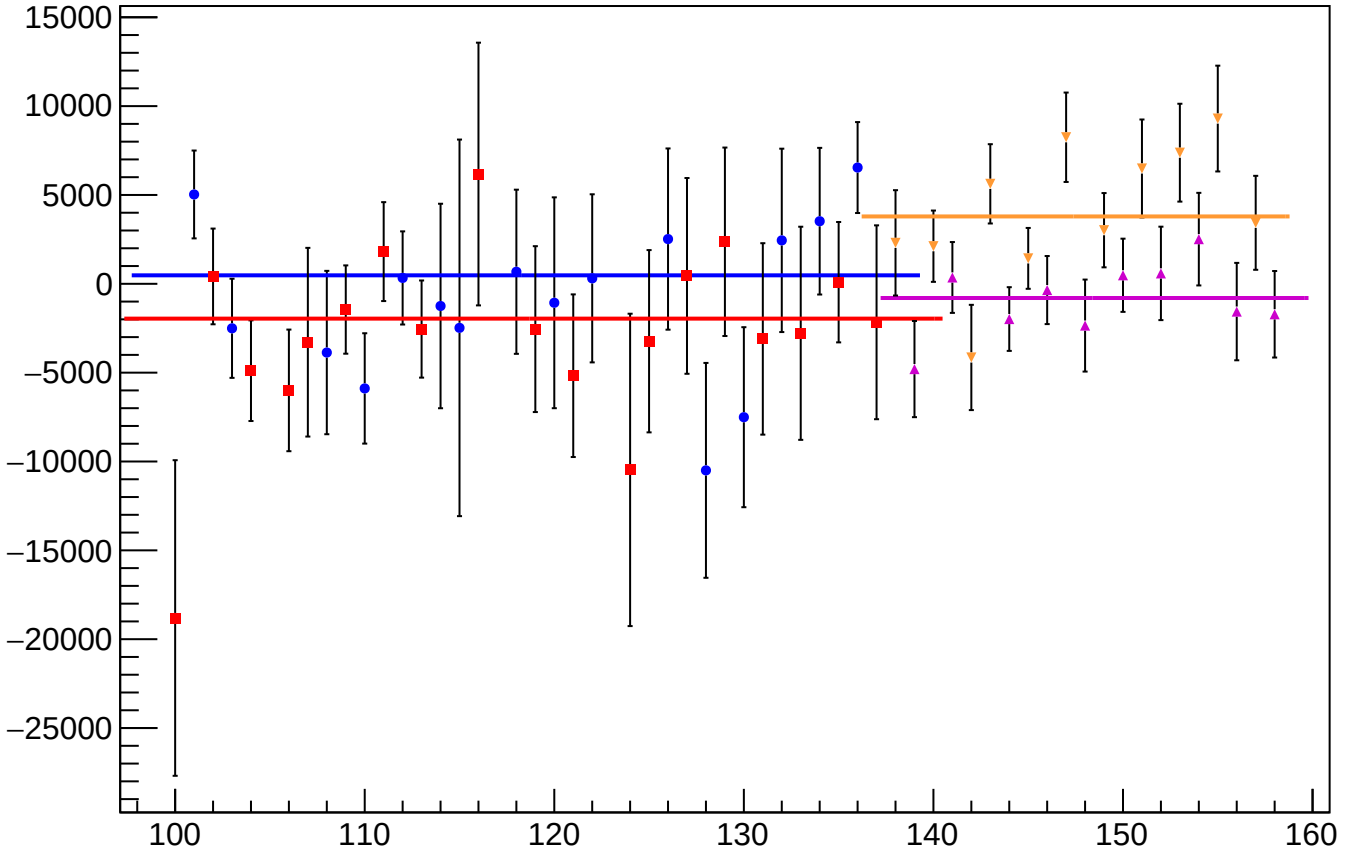
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2234.363+/-0.407 χ^2/NDF:1464763.5/25

Out: 2193.351+/-0.398 χ^2/NDF:1739220.1/29

All: 2213.397+/-0.284 χ^2/NDF: 3209177.4/55

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3791.166+/-720.862 χ^2/NDF:20.1/10

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -798.888+/-715.971 χ^2/NDF:5.9/9

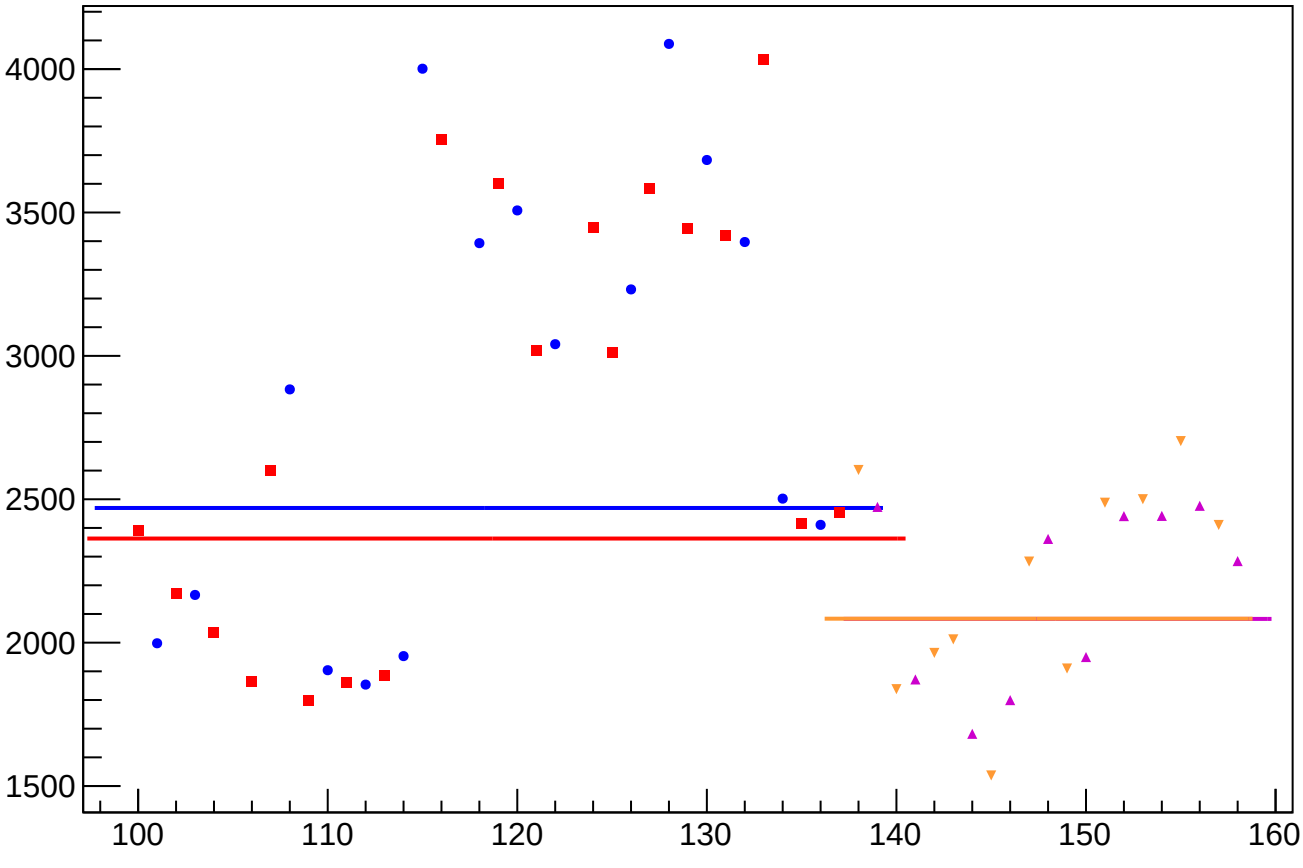
Left: 1480.514+/-507.988 χ^2/NDF: 46.4/20

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -338.309+/-572.371 χ^2/NDF:29.1/25

Out: 1542.824+/-562.563 χ^2/NDF:57.8/29

All: 618.513+/-401.215 χ^2/NDF: 92.4/55



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2083.554+/-0.510 χ^2/NDF:532536.1/10

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2082.786+/-0.506 χ^2/NDF:369628.7/9

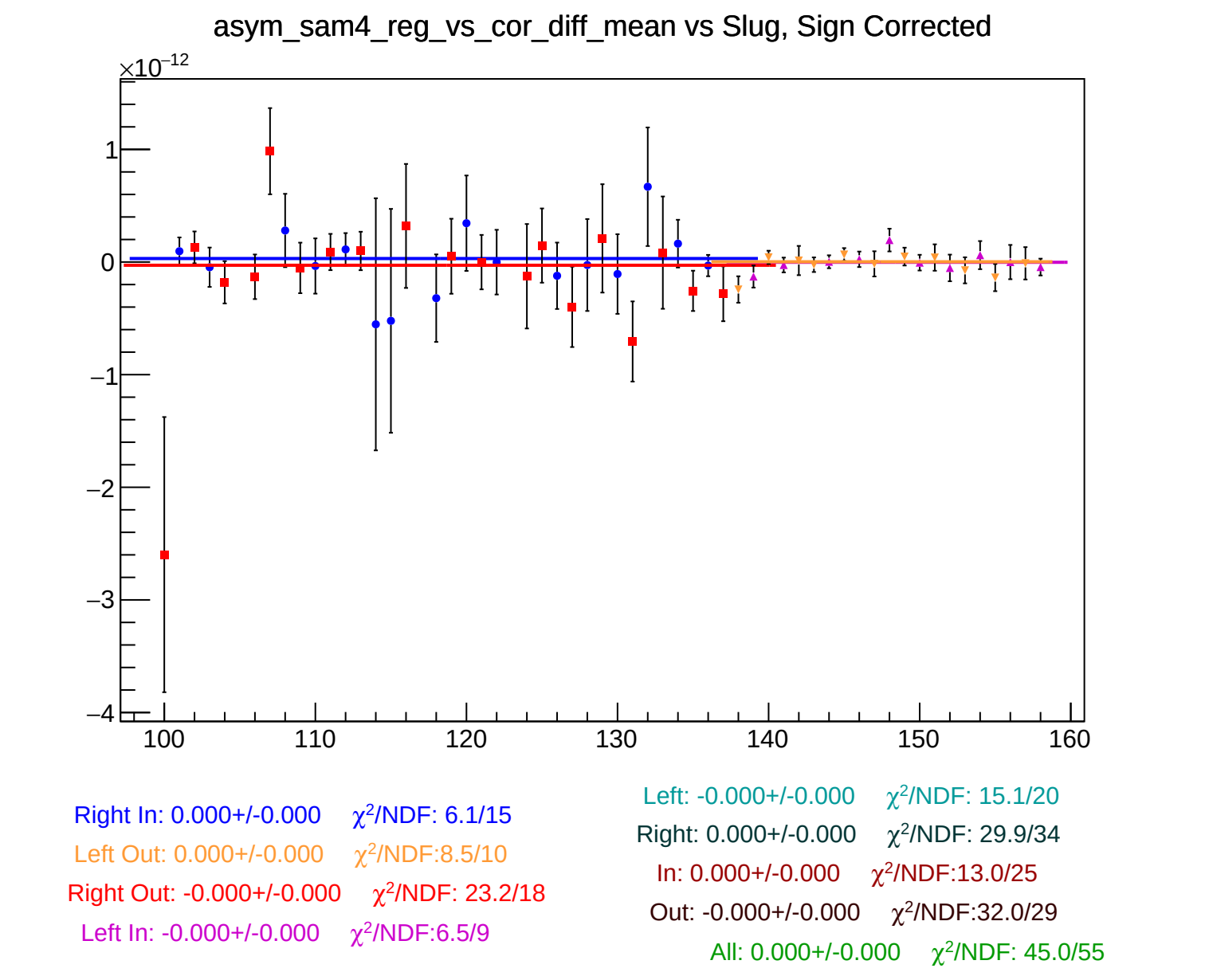
Left: 2083.167+/-0.359 χ^2/NDF: 902166.0/20

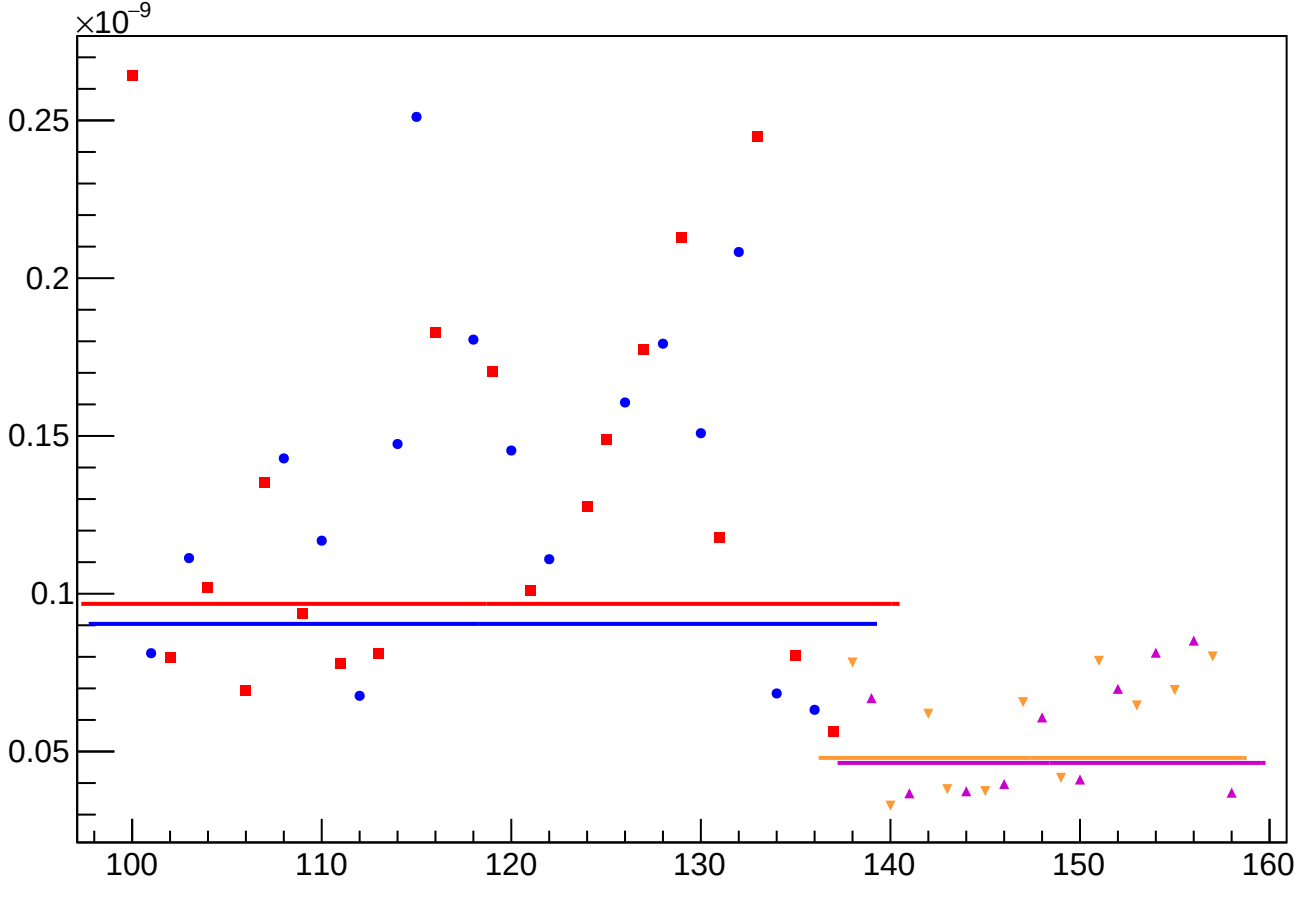
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2222.404+/-0.405 χ^2/NDF:1466537.8/25

Out: 2192.830+/-0.398 χ^2/NDF:1693432.2/29

All: 2207.361+/-0.284 χ^2/NDF: 3162685.8/55


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:8.5/10
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: -0.000+/-0.000 χ²/NDF:6.5/9
Left: -0.000+/-0.000 χ²/NDF: 15.1/20
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: 0.000+/-0.000 χ²/NDF:13.0/25
Out: -0.000+/-0.000 χ²/NDF:32.0/29
All: 0.000+/-0.000 χ²/NDF: 45.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:807468.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:647777.5/9

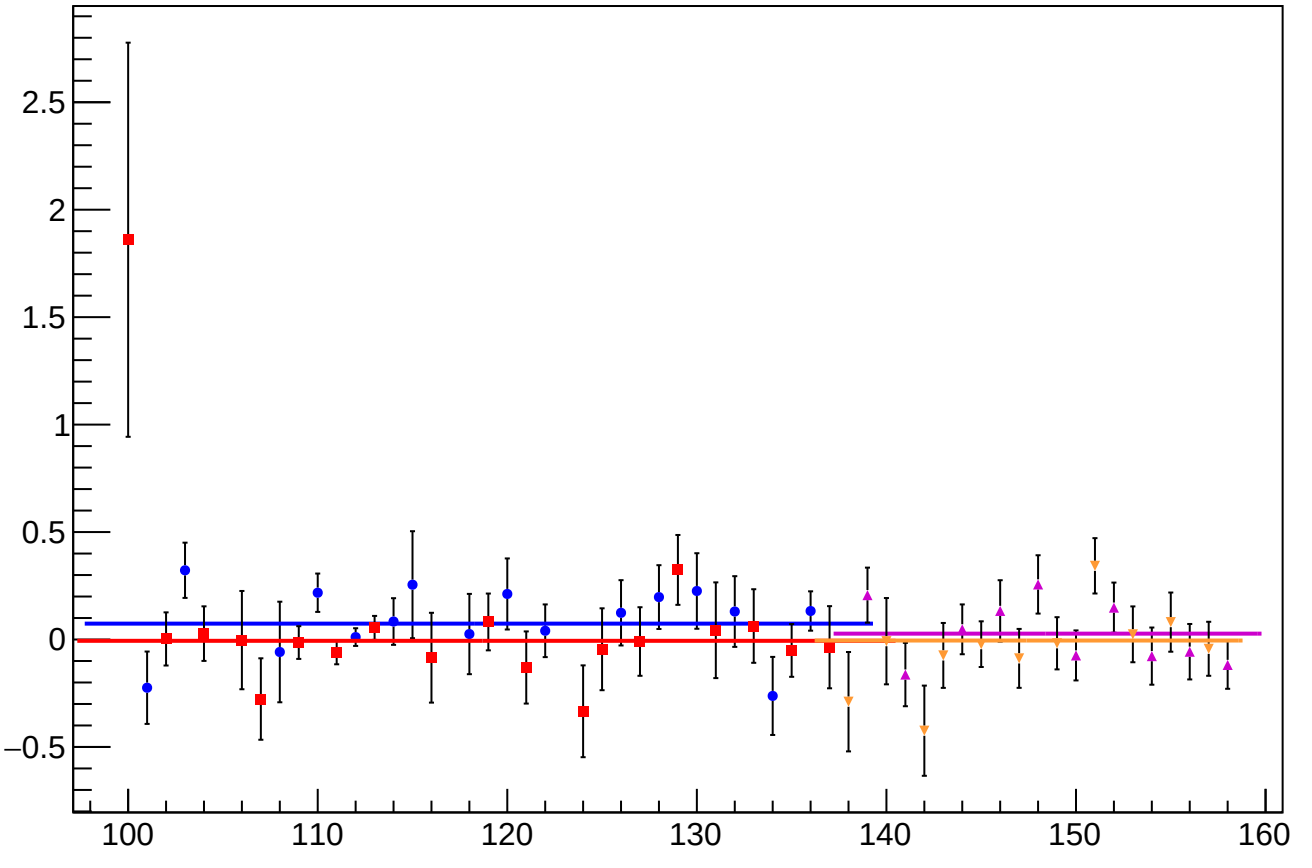
Left: 0.000+/-0.000 χ^2/NDF: 1459005.0/20

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2708401.0/25

Out: 0.000+/-0.000 χ^2/NDF:2910071.4/29

All: 0.000+/-0.000 χ^2/NDF: 5624547.1/55



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.027+/-0.040 χ^2/NDF:11.6/9

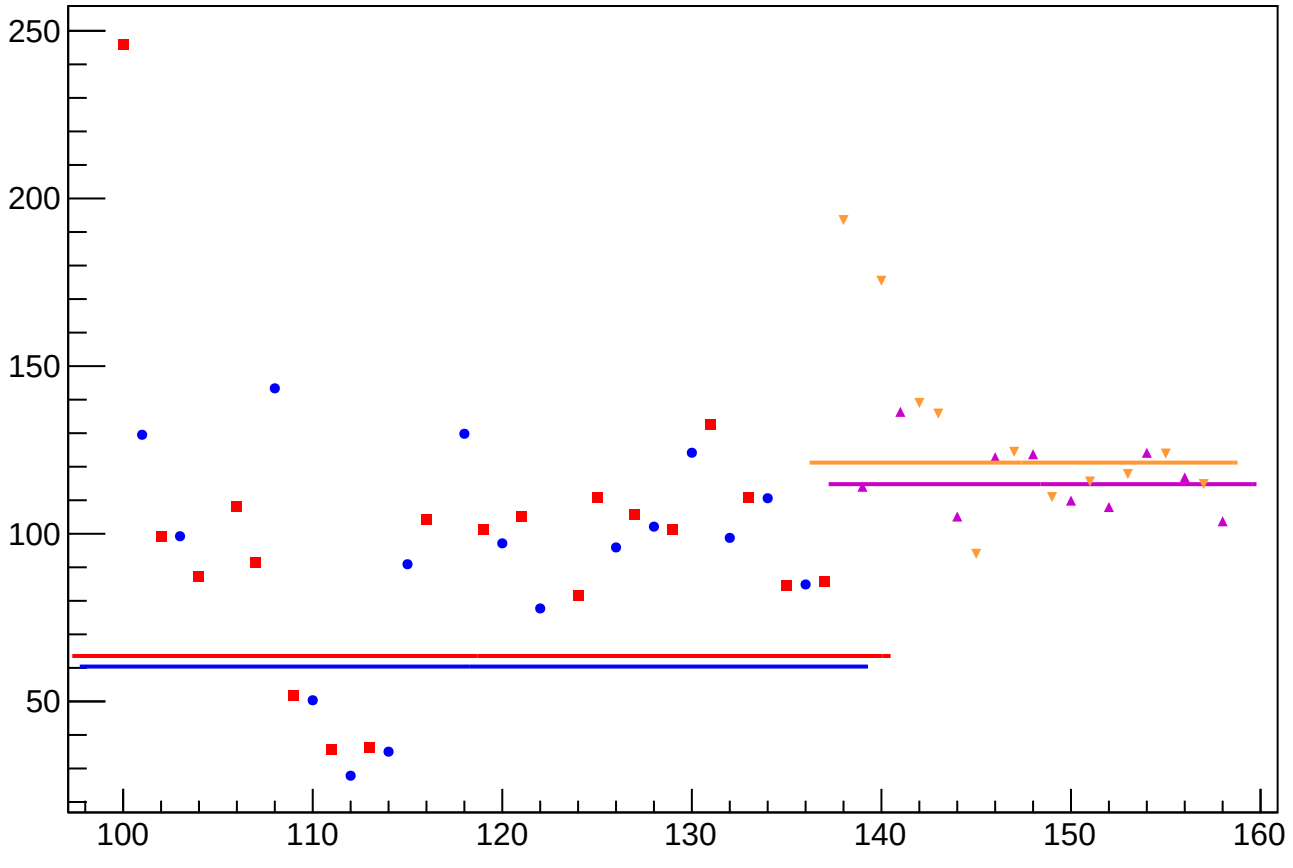
Left: 0.012+/-0.029 χ^2/NDF: 25.9/20

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.059+/-0.022 χ^2/NDF:31.6/25

Out: -0.006+/-0.023 χ^2/NDF:30.4/29

All: 0.027+/-0.016 χ^2/NDF: 66.1/55



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.225+/-0.030 χ^2/NDF:532260.1/10

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.797+/-0.028 χ^2/NDF:112366.8/9

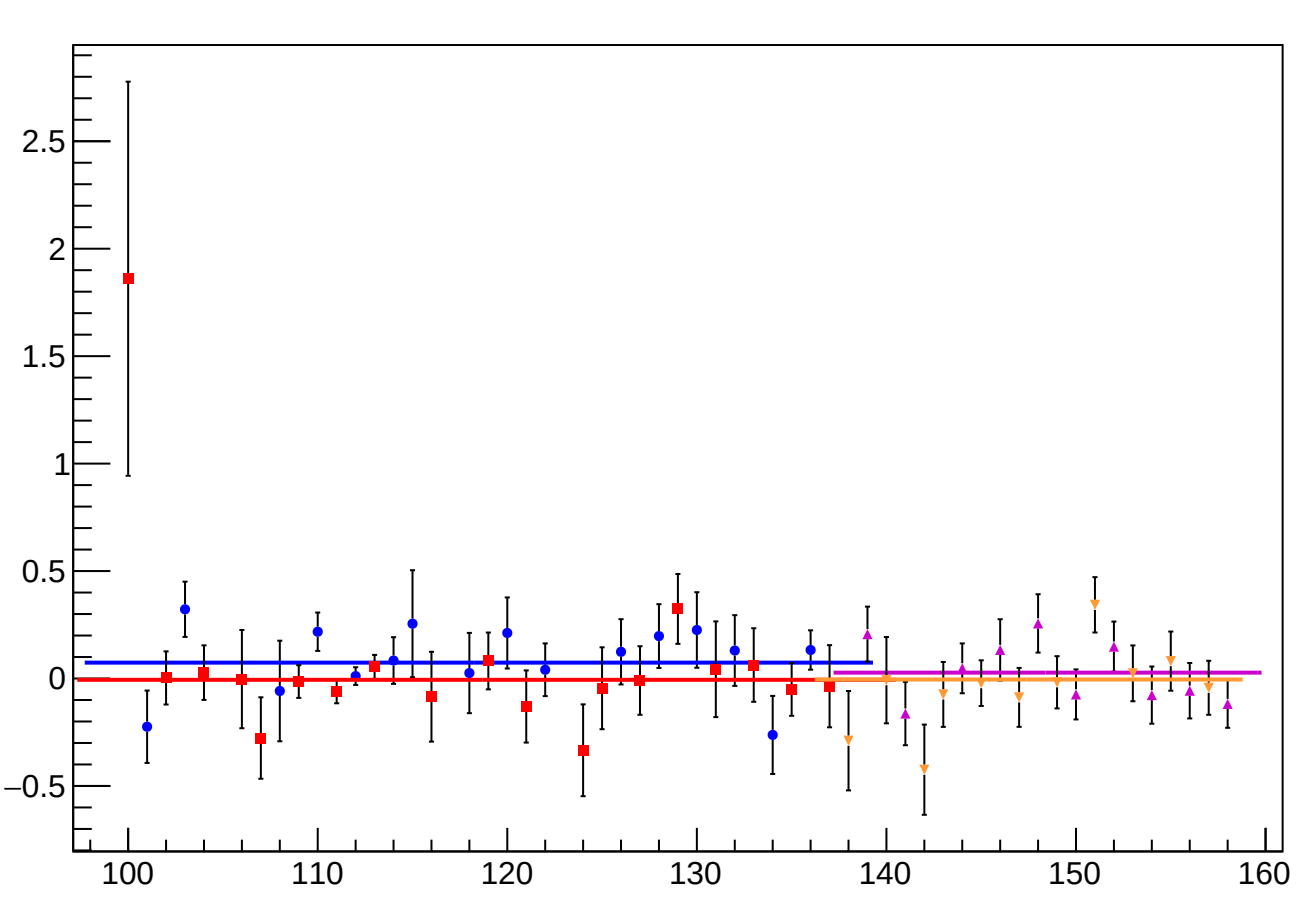
Left: 117.808+/-0.021 χ^2/NDF: 669014.7/20

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 77.528+/-0.016 χ^2/NDF:6204098.3/25

Out: 80.020+/-0.016 χ^2/NDF:5825277.6/29

All: 78.756+/-0.011 χ^2/NDF: 12041624.4/55



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.027+/-0.040 χ^2/NDF:11.6/9

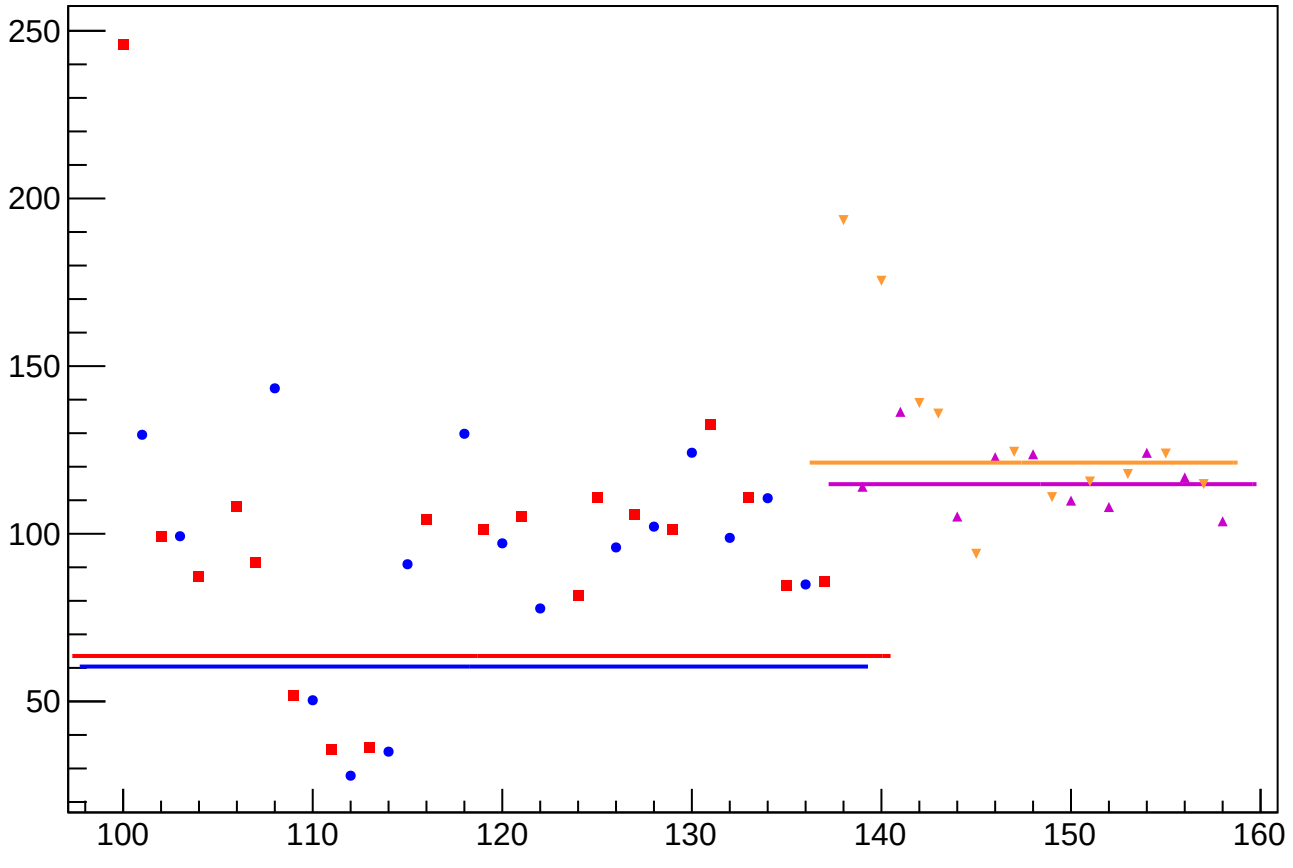
Left: 0.012+/-0.029 χ^2/NDF: 25.9/20

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.059+/-0.022 χ^2/NDF:31.6/25

Out: -0.006+/-0.023 χ^2/NDF:30.4/29

All: 0.027+/-0.016 χ^2/NDF: 66.1/55



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.225+/-0.030 χ^2/NDF:532260.1/10

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.797+/-0.028 χ^2/NDF:112366.8/9

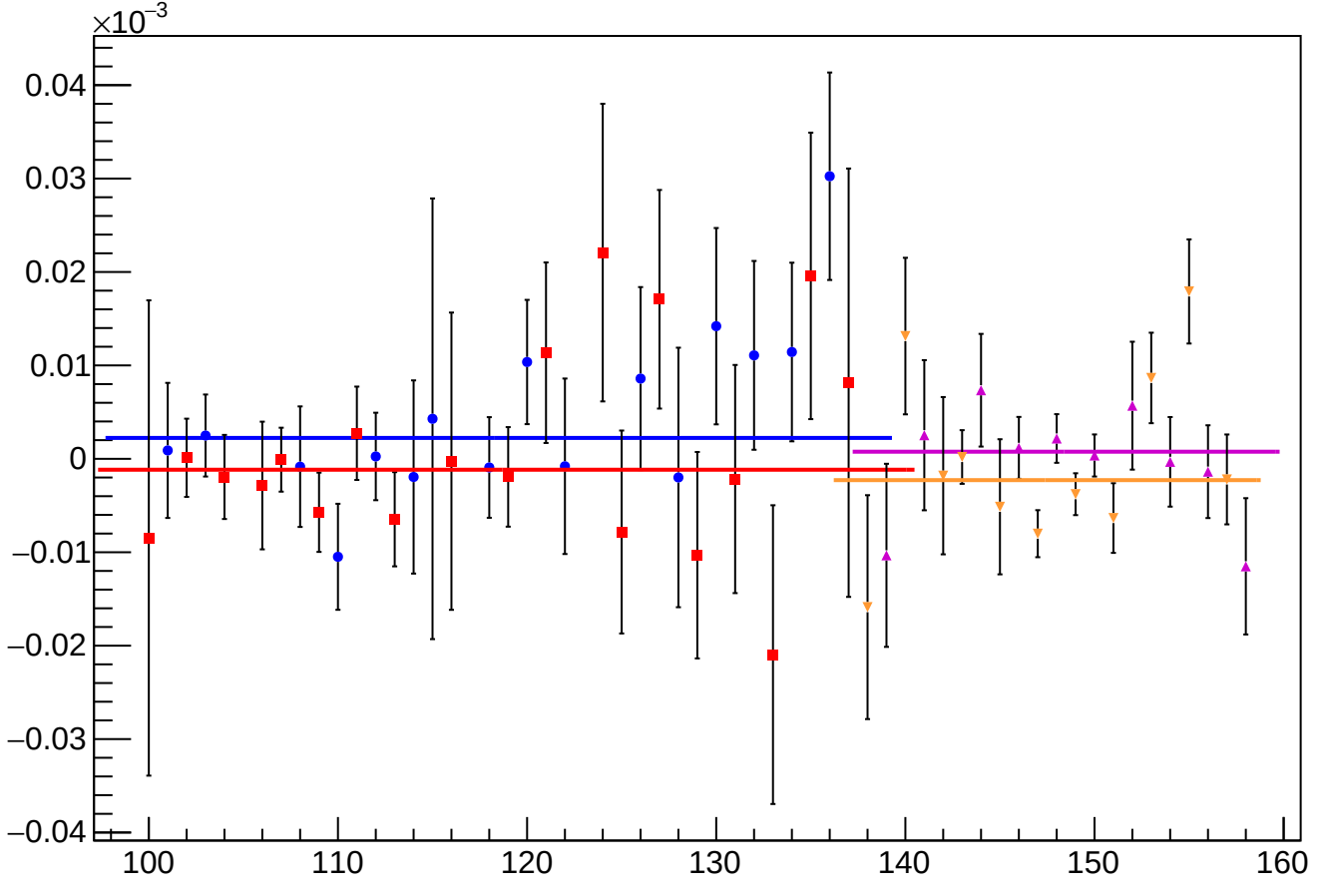
Left: 117.808+/-0.021 χ^2/NDF: 669014.7/20

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 77.528+/-0.016 χ^2/NDF:6204098.3/25

Out: 80.020+/-0.016 χ^2/NDF:5825277.6/29

All: 78.756+/-0.011 χ^2/NDF: 12041624.4/55



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

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/9

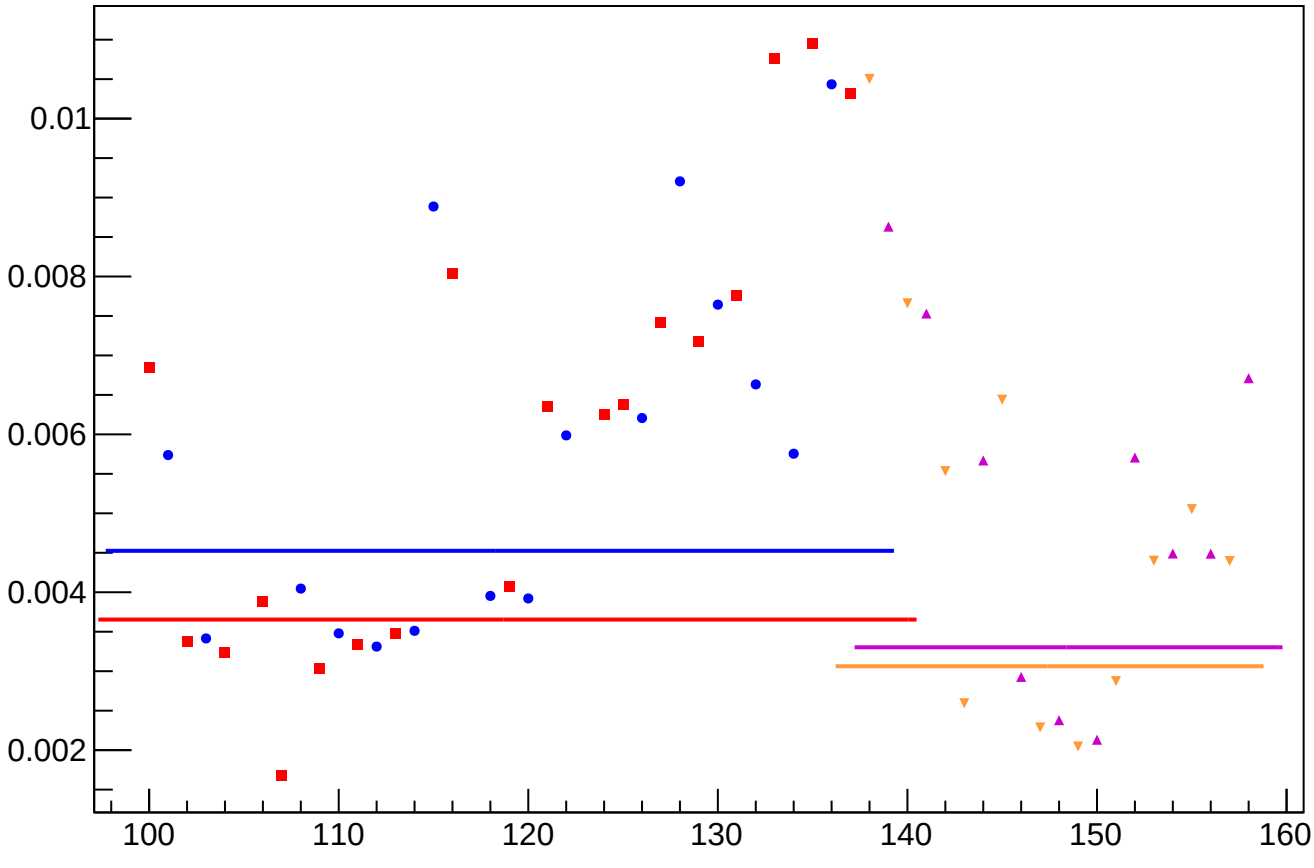
Left: -0.000+/-0.000 χ^2/NDF: 40.1/20

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:24.3/25

Out: -0.000+/-0.000 χ^2/NDF:45.1/29

All: -0.000+/-0.000 χ^2/NDF: 74.4/55



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:3202236.5/10

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:3191707.8/9

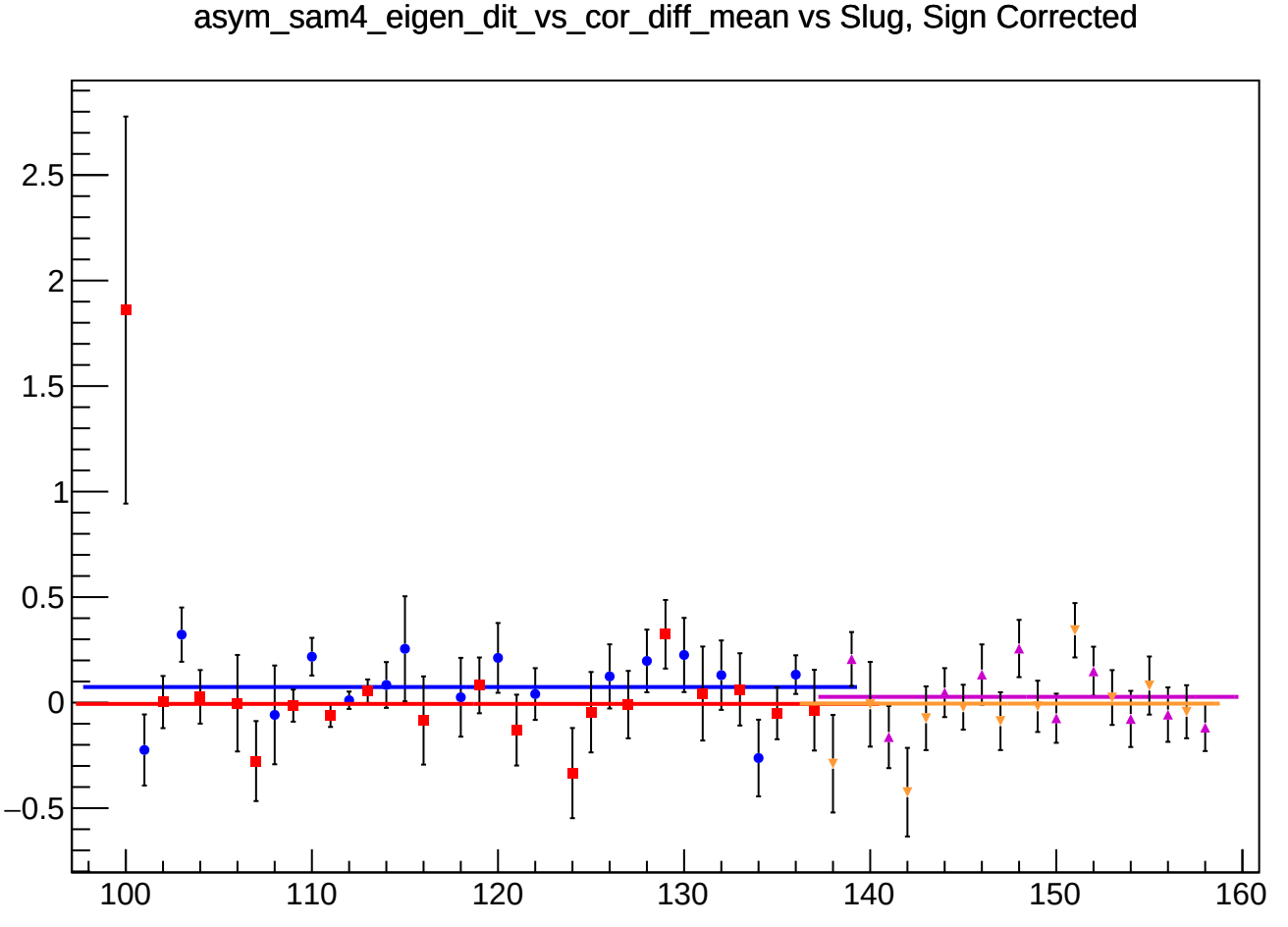
Left: 0.003+/-0.000 χ^2/NDF: 6432314.2/20

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:5521363.0/25

Out: 0.003+/-0.000 χ^2/NDF:6328222.2/29

All: 0.003+/-0.000 χ^2/NDF: 12031645.2/55



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.027+/-0.040 χ^2/NDF:11.7/9

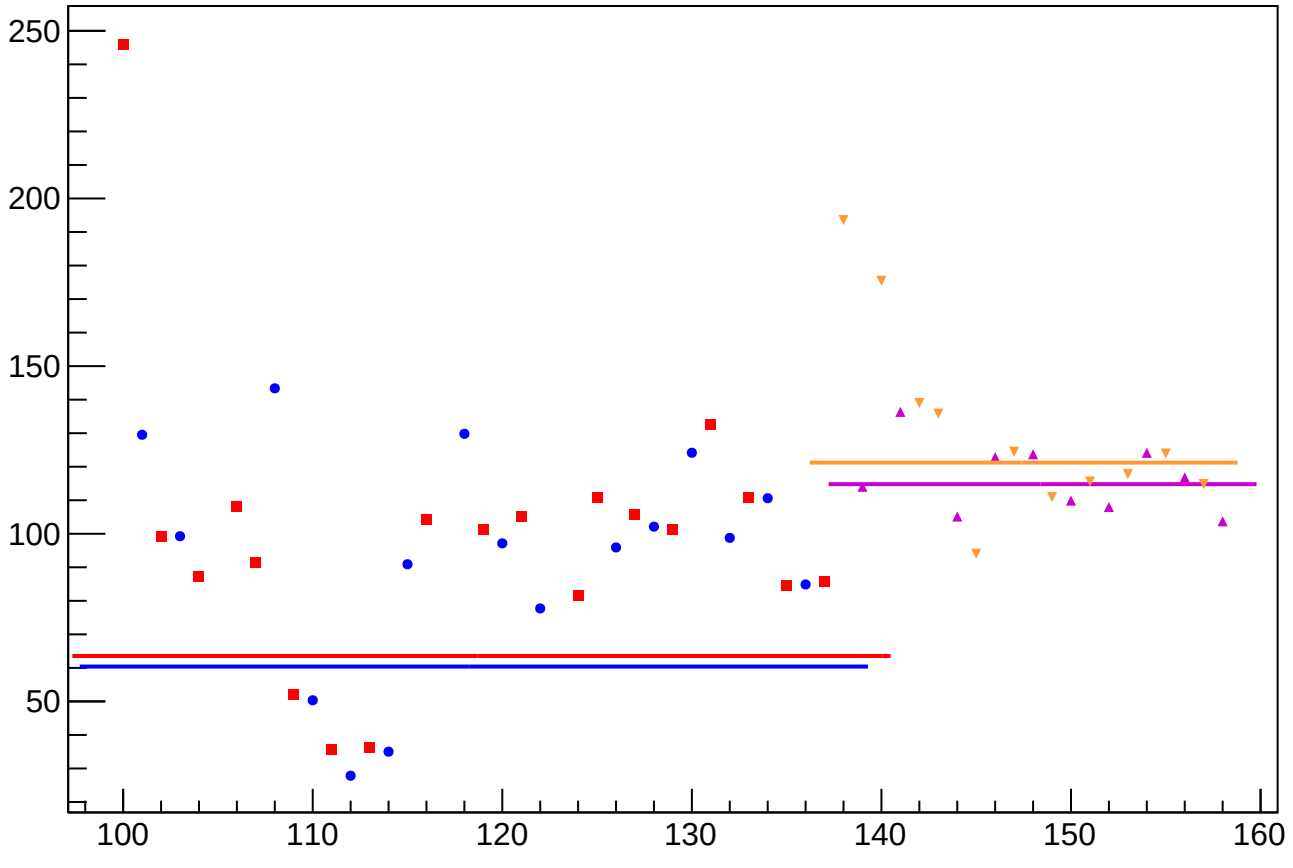
Left: 0.012+/-0.029 χ^2/NDF: 25.9/20

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.059+/-0.022 χ^2/NDF:31.6/25

Out: -0.006+/-0.023 χ^2/NDF:30.4/29

All: 0.027+/-0.016 χ^2/NDF: 66.1/55



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.227+/-0.030 χ^2/NDF:532234.3/10

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.798+/-0.028 χ^2/NDF:112365.4/9

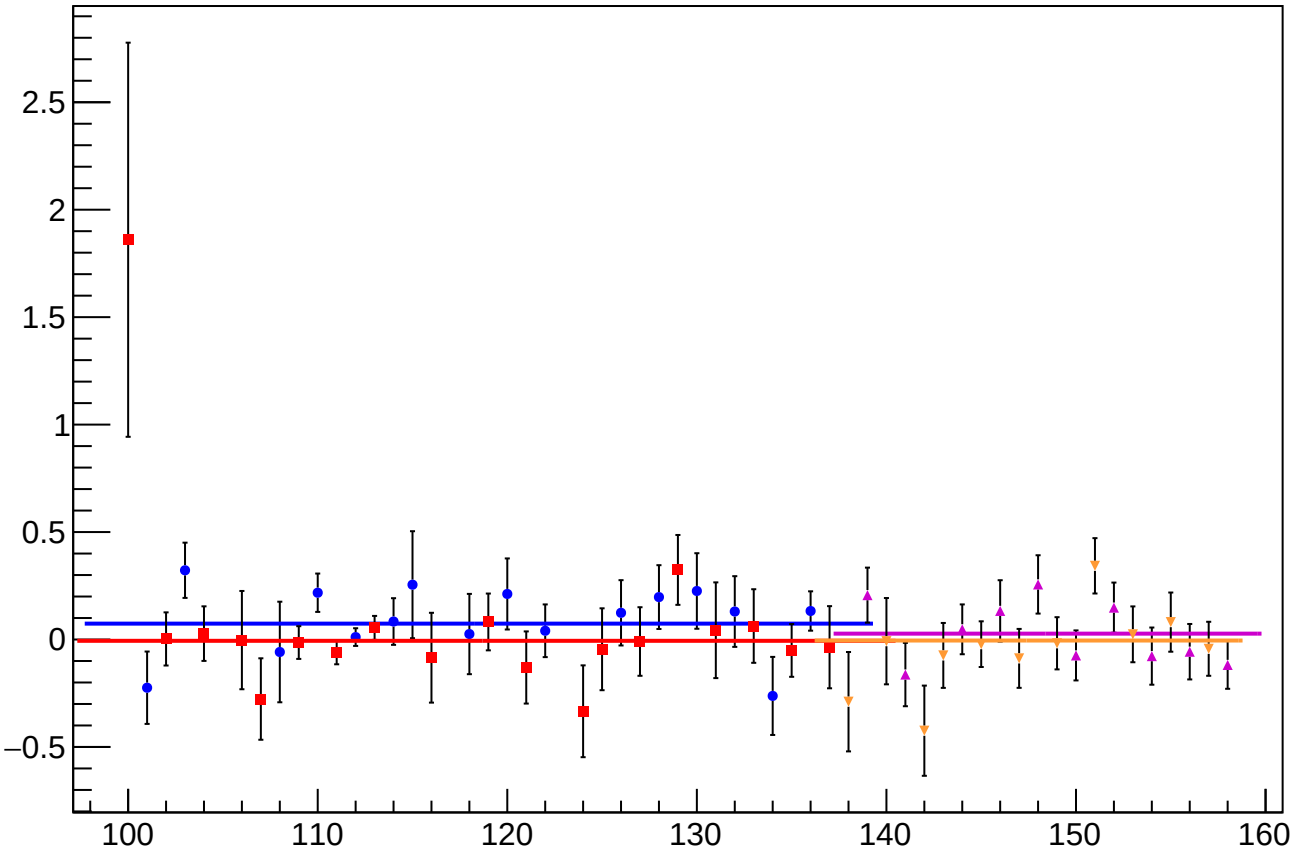
Left: 117.810+/-0.021 χ^2/NDF: 668988.0/20

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 77.526+/-0.016 χ^2/NDF:6204667.4/25

Out: 80.018+/-0.016 χ^2/NDF:5825800.0/29

All: 78.754+/-0.011 χ^2/NDF: 12042718.6/55



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.027+/-0.040 χ^2/NDF:11.7/9

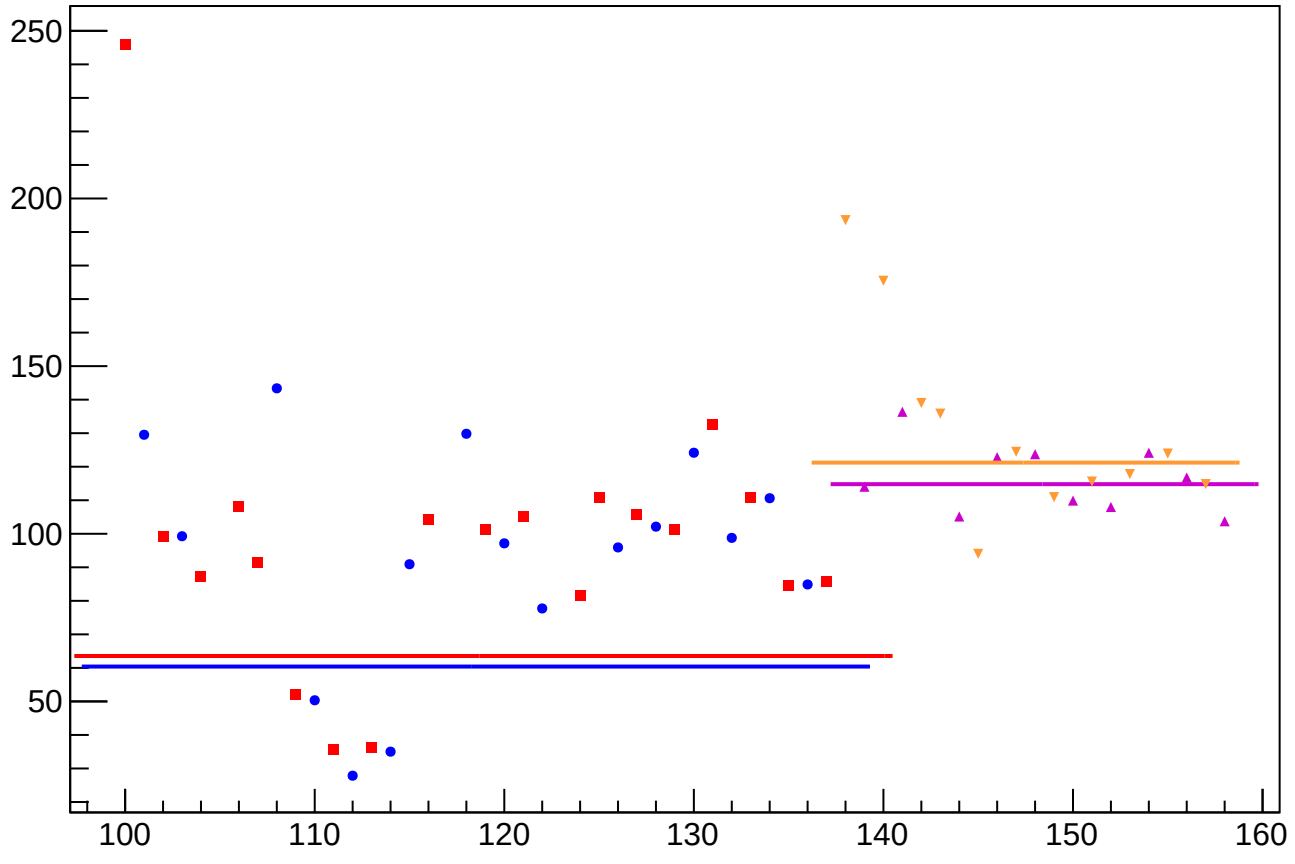
Left: 0.012+/-0.029 χ^2/NDF: 25.9/20

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.059+/-0.022 χ^2/NDF:31.6/25

Out: -0.006+/-0.023 χ^2/NDF:30.4/29

All: 0.027+/-0.016 χ^2/NDF: 66.1/55



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.227+/-0.030 χ^2/NDF:532234.3/10

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.798+/-0.028 χ^2/NDF:112365.4/9

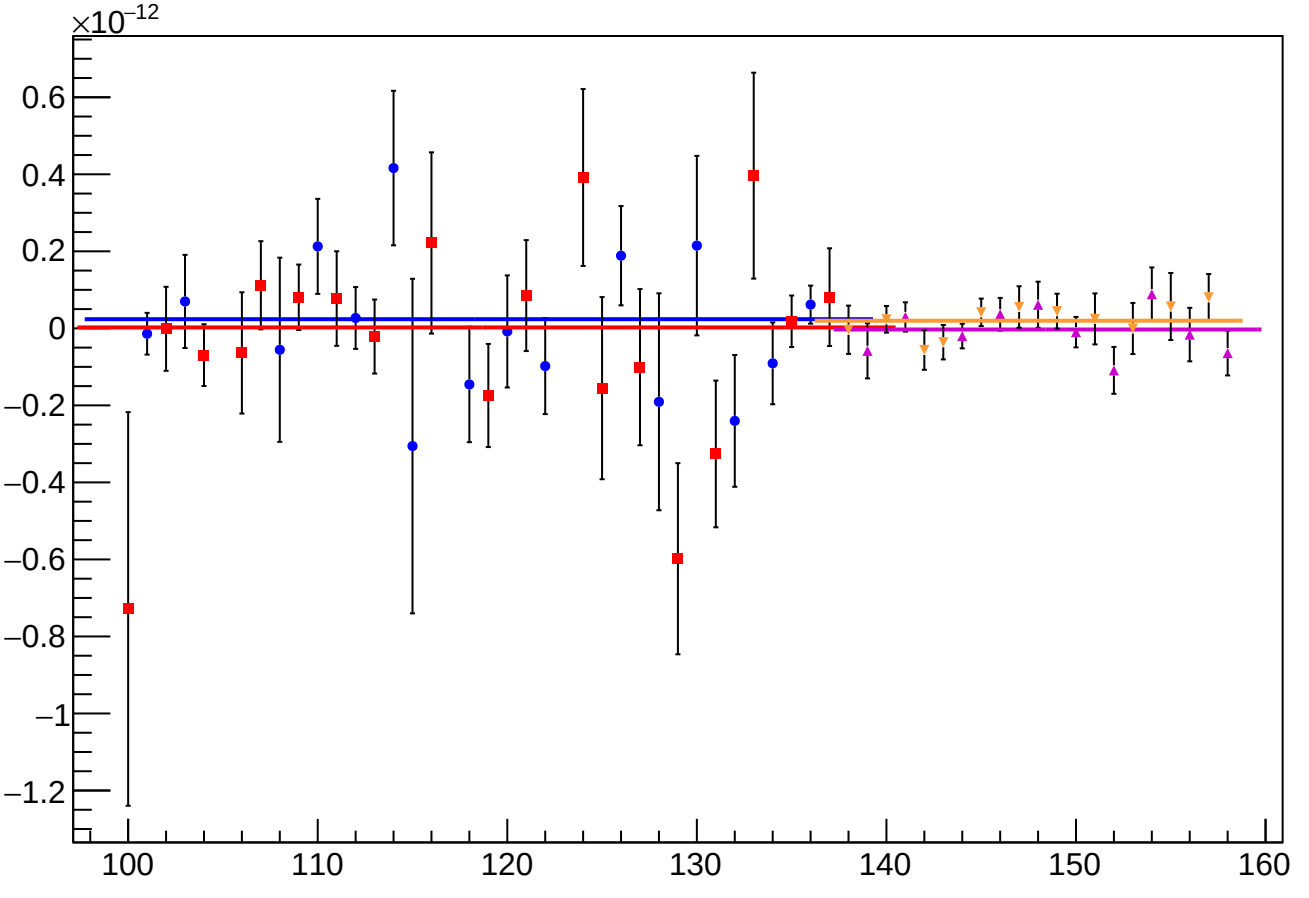
Left: 117.810+/-0.021 χ^2/NDF: 668988.0/20

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 77.526+/-0.016 χ^2/NDF:6204667.4/25

Out: 80.018+/-0.016 χ^2/NDF:5825800.0/29

All: 78.754+/-0.011 χ^2/NDF: 12042718.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/9

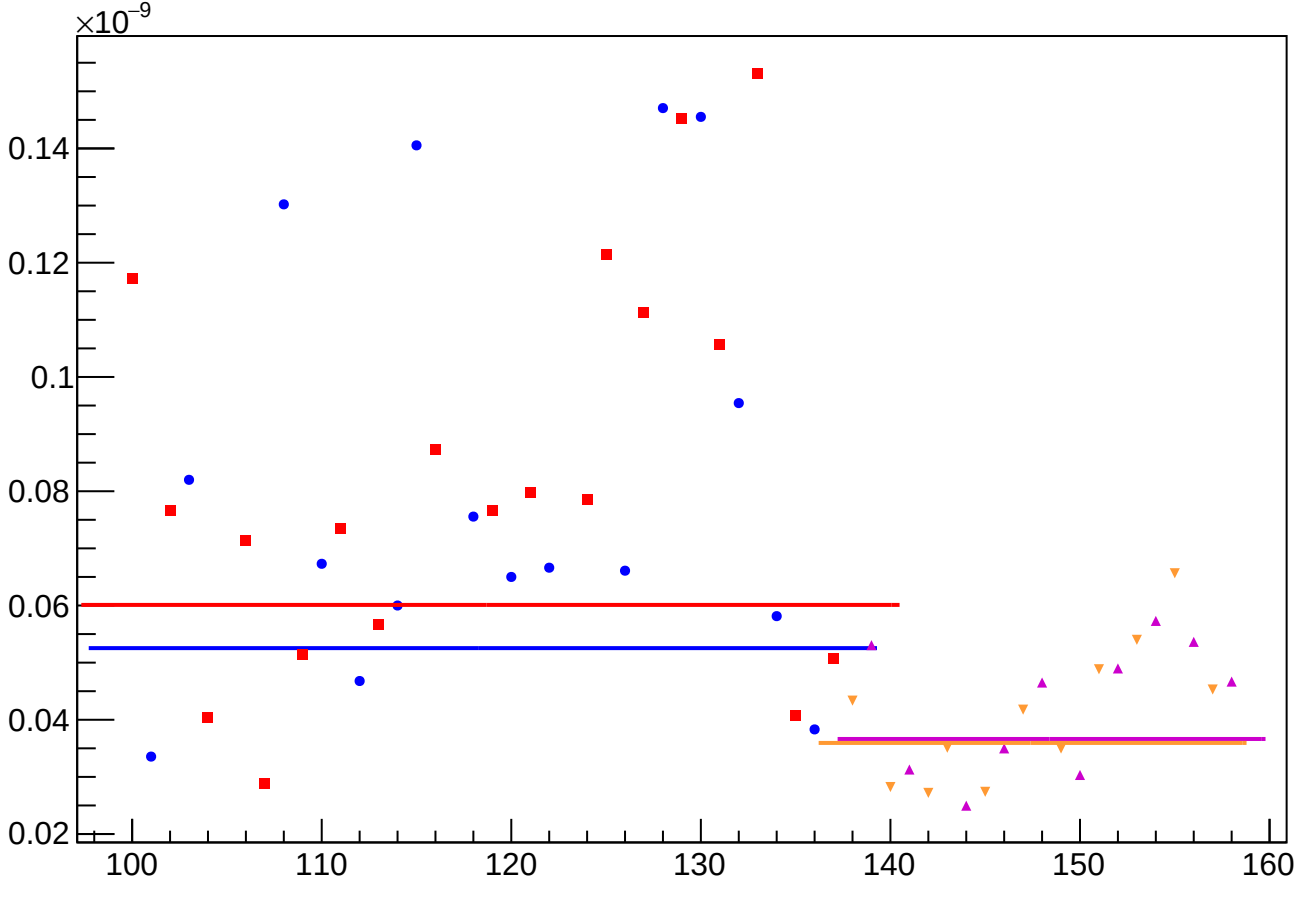
Left: 0.000+/-0.000 χ^2/NDF: 17.0/20

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:27.2/25

Out: 0.000+/-0.000 χ^2/NDF:29.8/29

All: 0.000+/-0.000 χ^2/NDF: 57.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:829841.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:959393.3/9

Left: 0.000+/-0.000 χ^2/NDF: 1791337.0/20

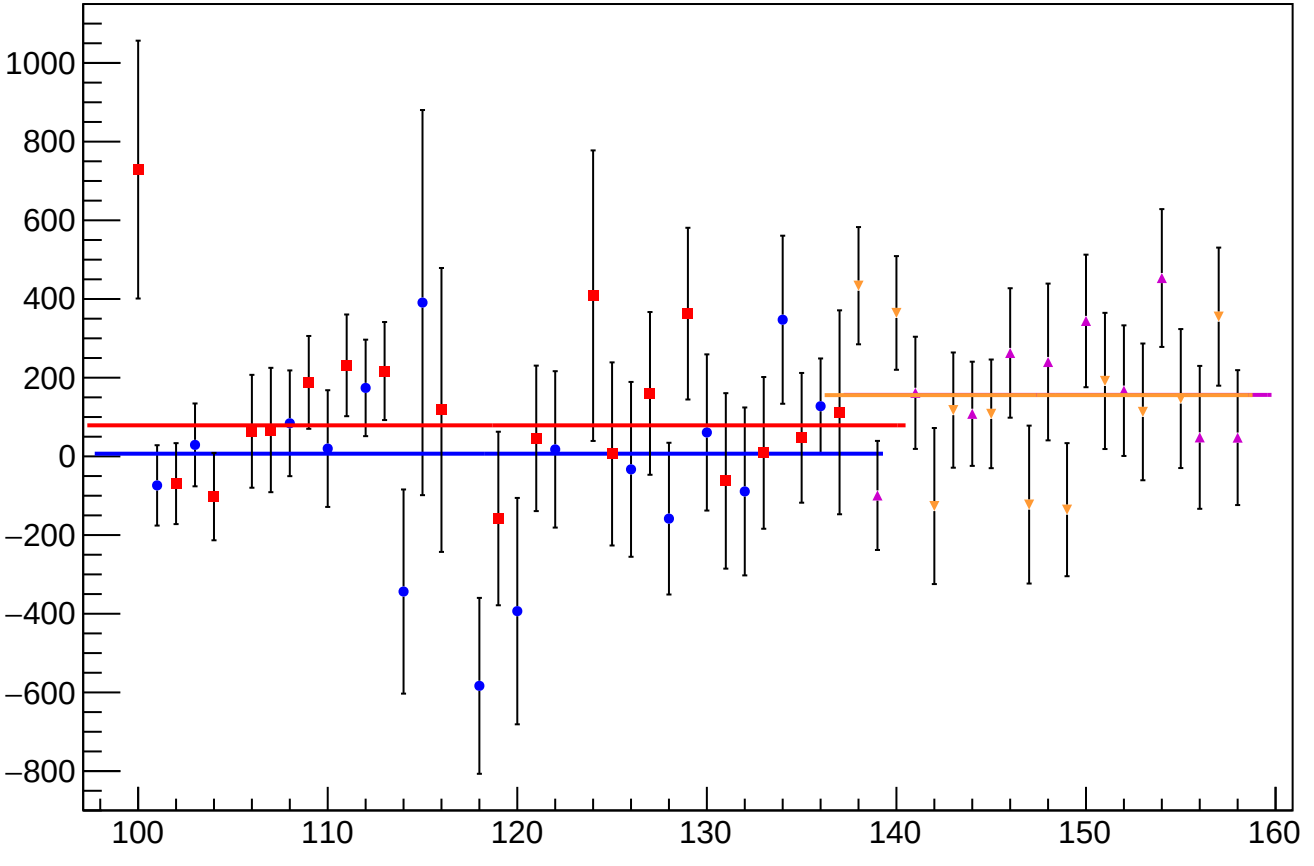
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3159656.9/25

Out: 0.000+/-0.000 χ^2/NDF:3472083.1/29

All: 0.000+/-0.000 χ^2/NDF: 6632764.5/55

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 155.681+/-49.493 χ^2/NDF:14.1/10

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 156.265+/-50.711 χ^2/NDF:9.0/9

Left: 155.966+/-35.419 χ^2/NDF: 23.1/20

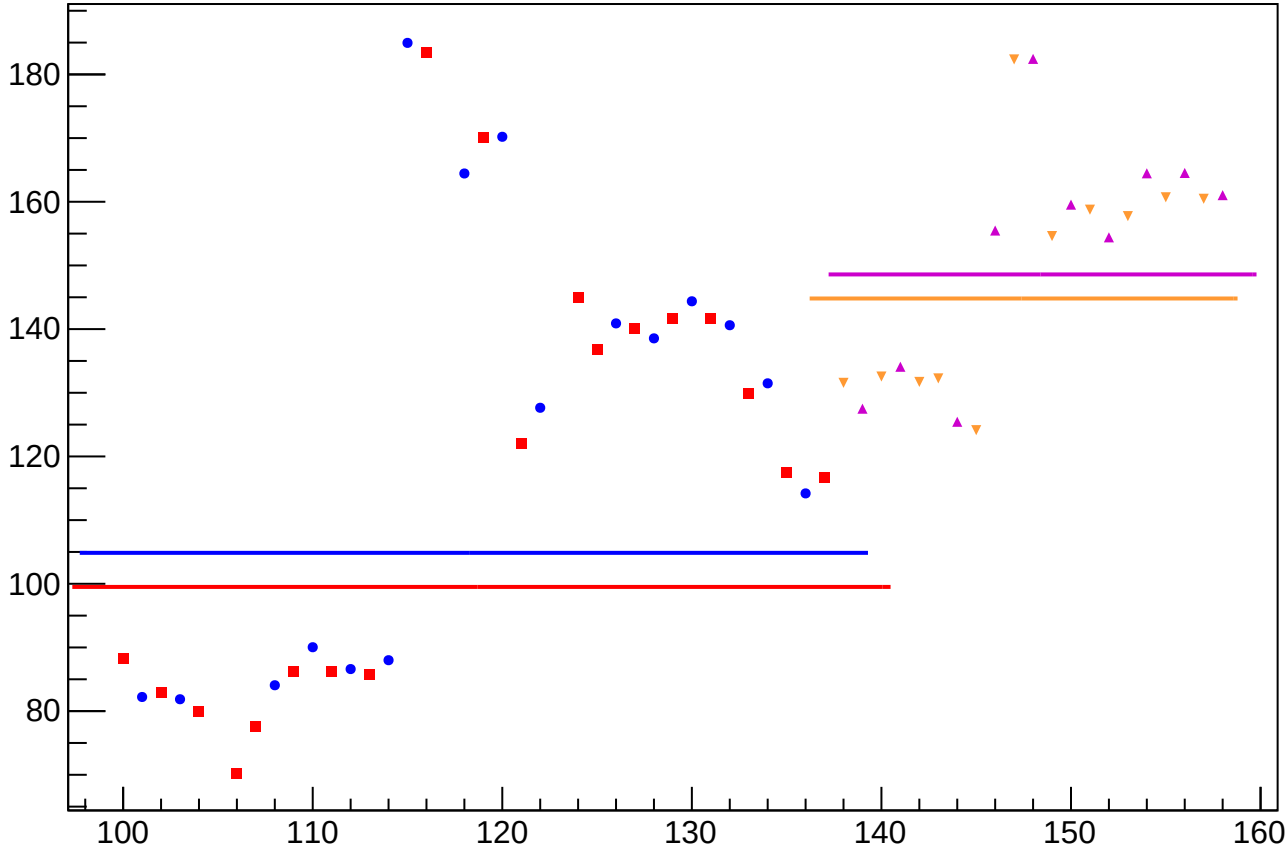
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 64.755+/-31.576 χ^2/NDF:33.1/25

Out: 107.276+/-30.094 χ^2/NDF:32.3/29

All: 87.037+/-21.785 χ^2/NDF: 66.3/55

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 144.808+/-0.035 χ^2/NDF:231400.6/10

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

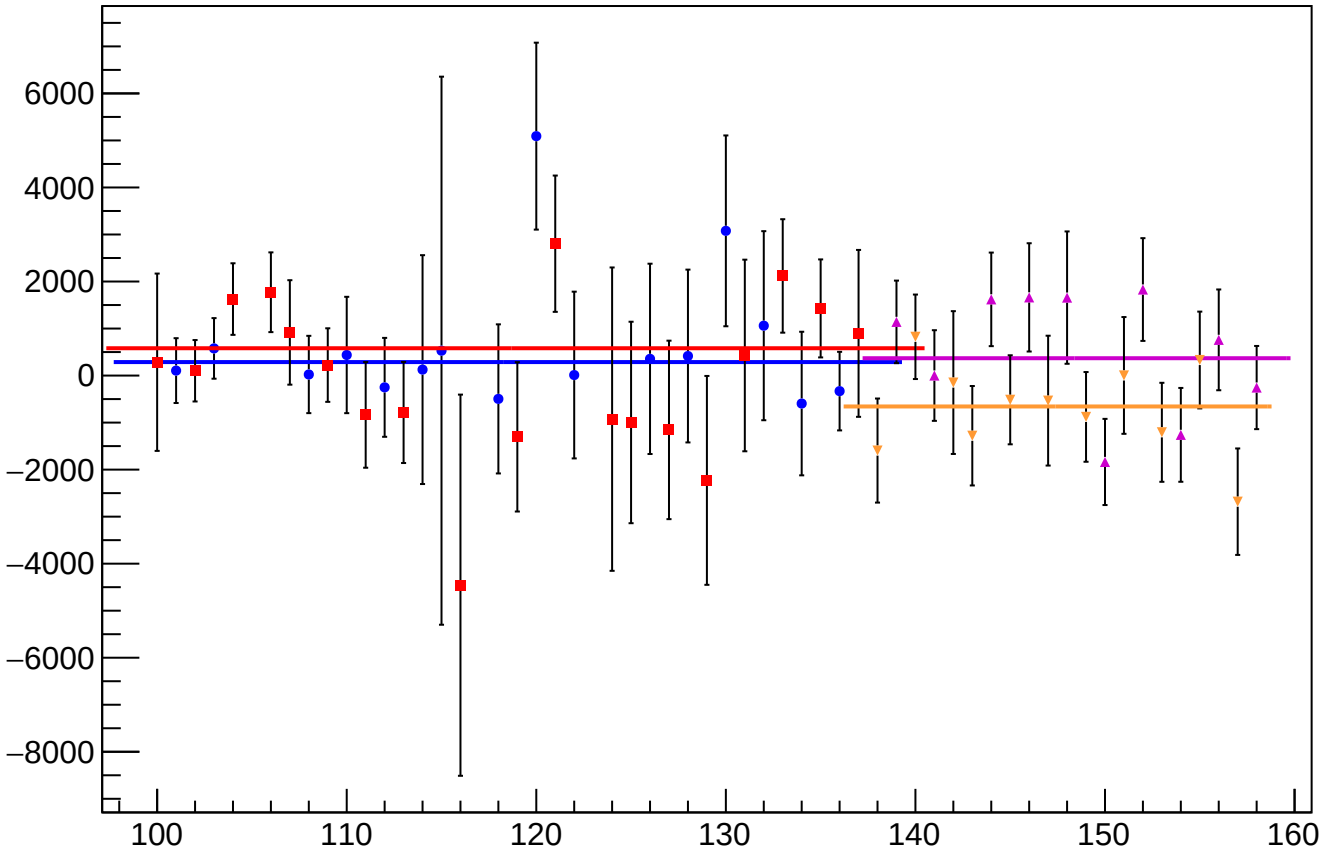
Left: 146.652+/-0.025 χ^2/NDF: 479720.9/20

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 121.813+/-0.022 χ^2/NDF:2084406.2/25

Out: 116.256+/-0.021 χ^2/NDF:2326496.0/29

All: 118.901+/-0.015 χ^2/NDF: 4443369.1/55



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -657.145+/-326.187 χ^2/NDF:8.7/10

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 368.970+/-318.996 χ^2/NDF:15.5/9

Left: -132.652+/-228.064 χ^2/NDF: 29.2/20

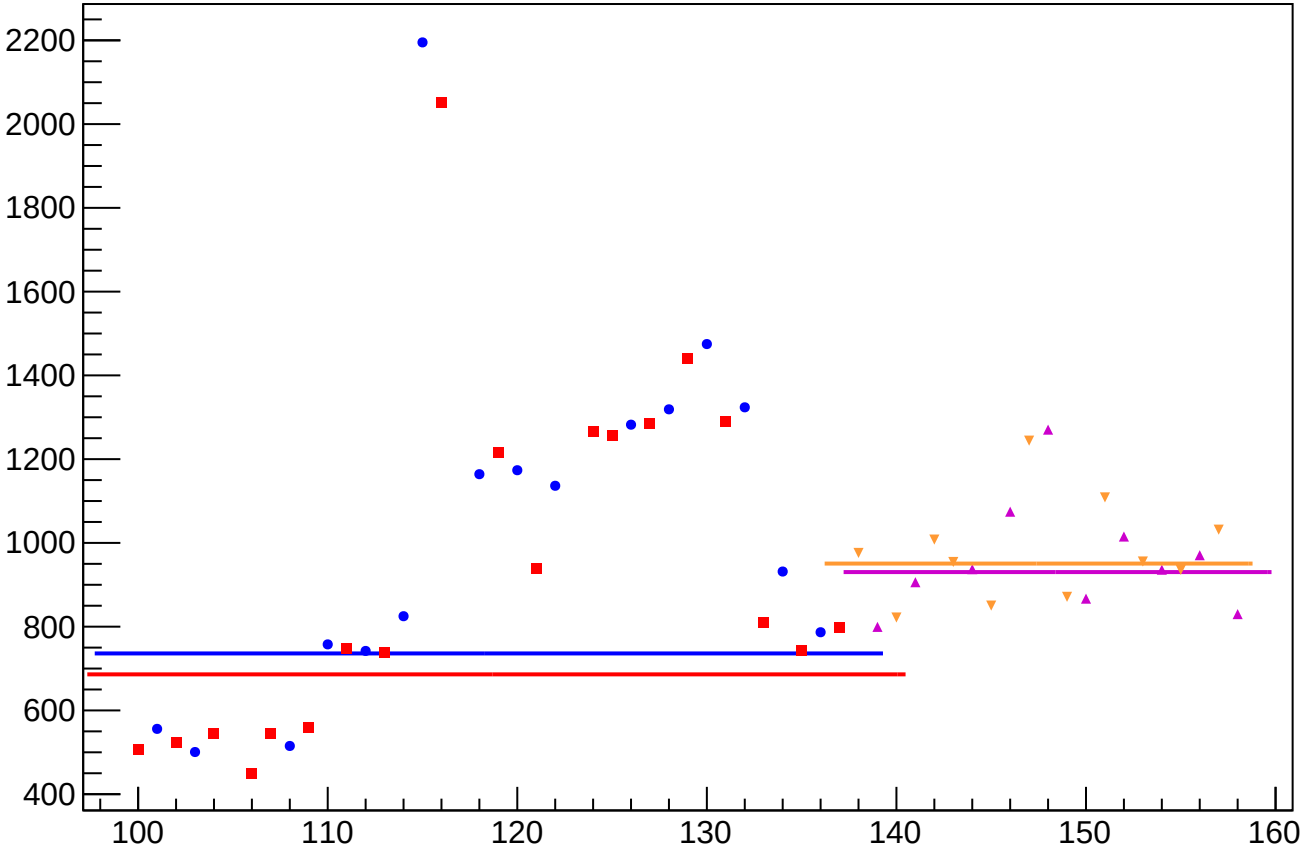
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 324.529+/-215.977 χ^2/NDF:25.2/25

Out: 78.215+/-207.887 χ^2/NDF:36.0/29

All: 196.672+/-149.777 χ^2/NDF: 61.9/55

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 950.651+/-0.231 χ^2/NDF:214826.9/10

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 930.337+/-0.226 χ^2/NDF:244312.0/9

Left: 940.268+/-0.161 χ^2/NDF: 463103.7/20

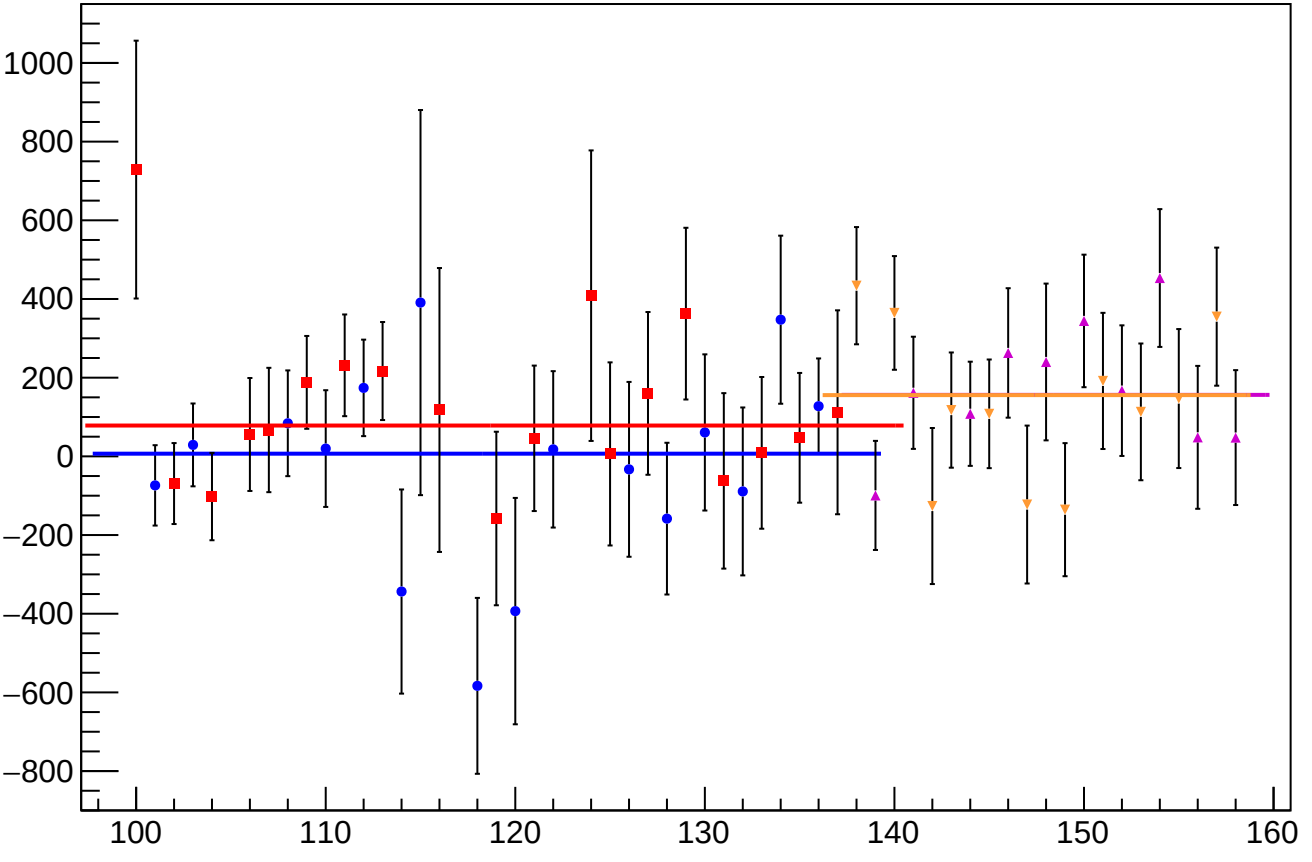
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 825.130+/-0.153 χ^2/NDF:2490483.8/25

Out: 793.561+/-0.147 χ^2/NDF:2815166.5/29

All: 808.743+/-0.106 χ^2/NDF: 5327830.3/55

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 155.679+/-49.493 χ^2/NDF:14.1/10

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 156.266+/-50.711 χ^2/NDF:9.0/9

Left: 155.965+/-35.419 χ^2/NDF: 23.1/20

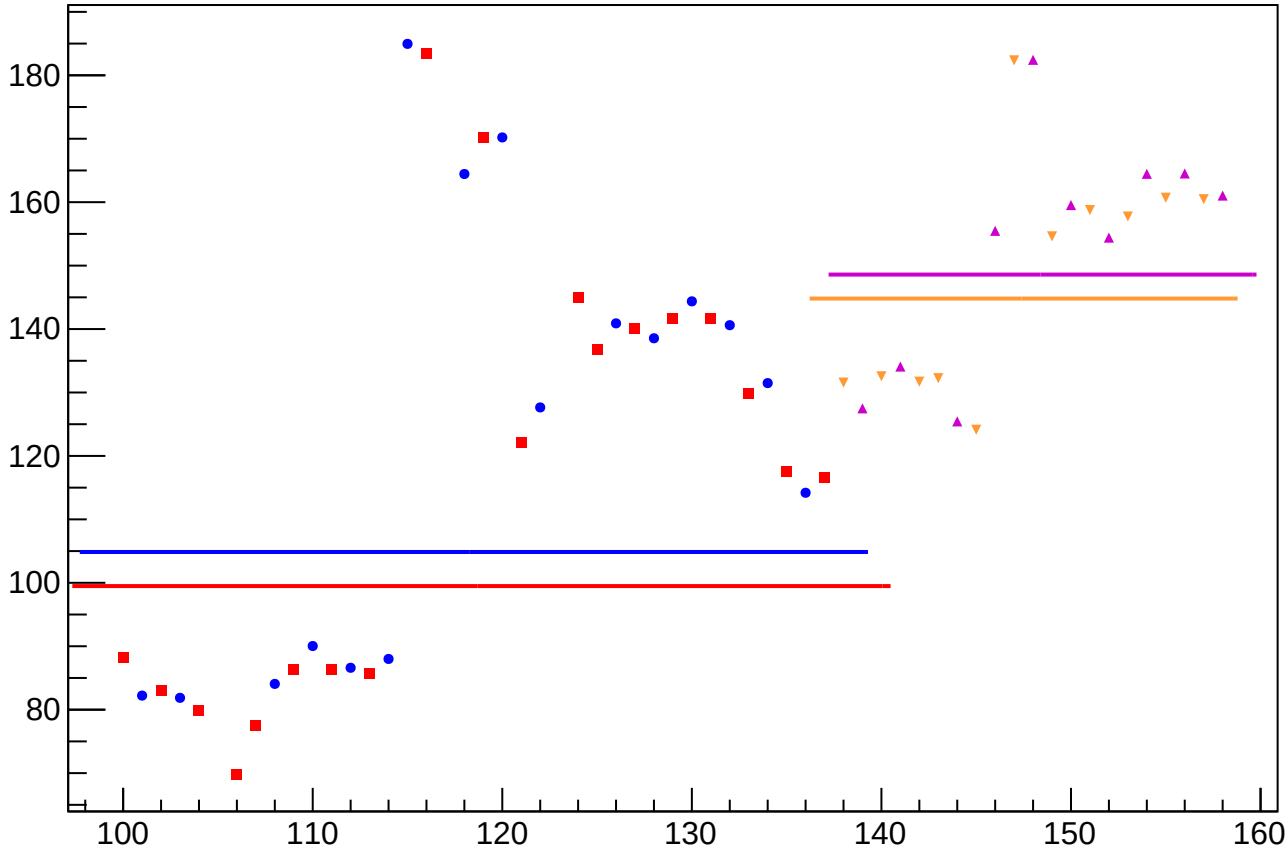
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 64.749+/-31.576 χ^2/NDF:33.1/25

Out: 106.940+/-30.095 χ^2/NDF:32.3/29

All: 86.857+/-21.785 χ^2/NDF: 66.3/55

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 144.808+/-0.035 χ^2/NDF:231400.6/10

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

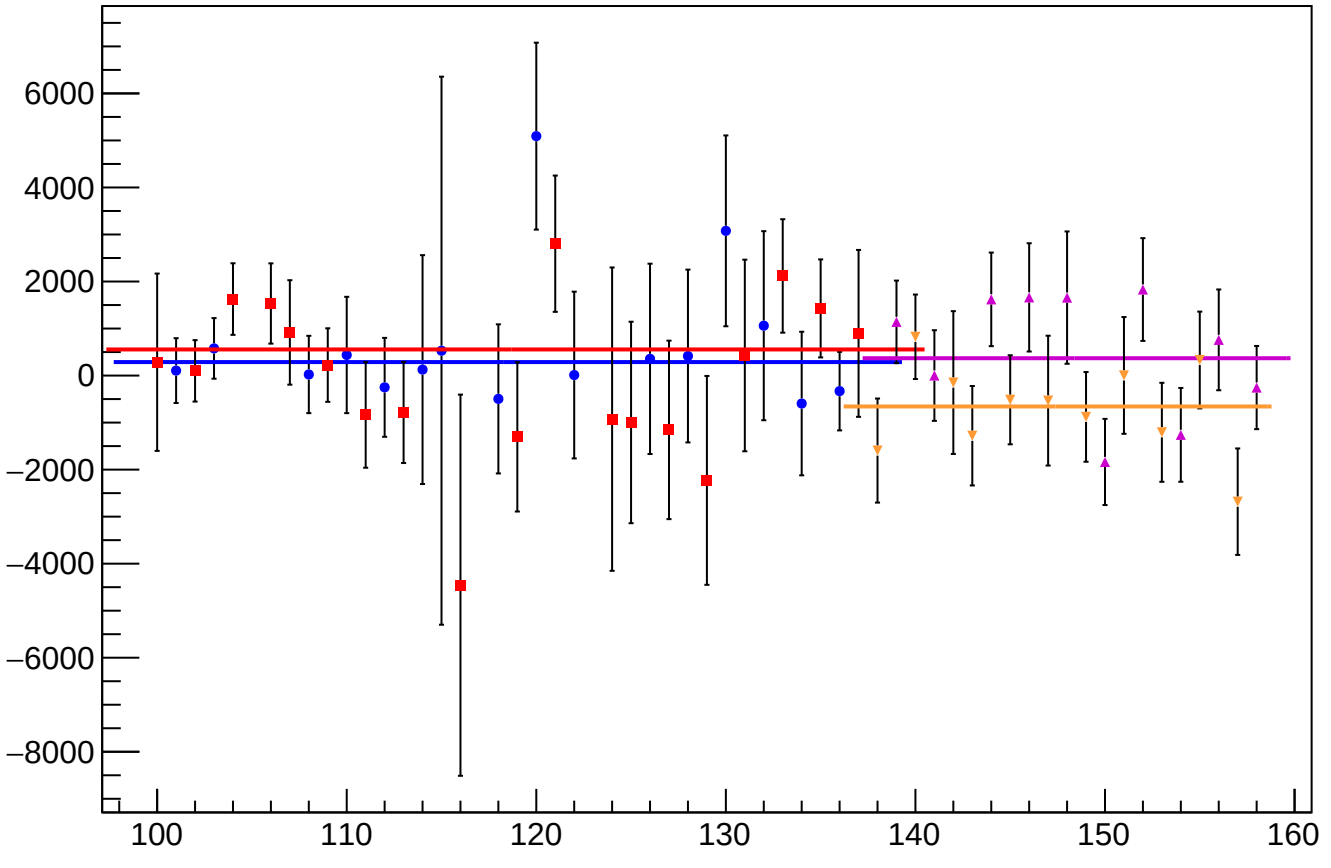
Left: 146.652+/-0.025 χ^2/NDF: 479720.9/20

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 121.813+/-0.022 χ^2/NDF:2084404.8/25

Out: 116.242+/-0.021 χ^2/NDF:2329741.6/29

All: 118.894+/-0.015 χ^2/NDF: 4446770.6/55



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -657.142+/-326.187 χ^2/NDF:8.7/10

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 368.967+/-318.996 χ^2/NDF:15.5/9

Left: -132.652+/-228.064 χ^2/NDF: 29.2/20

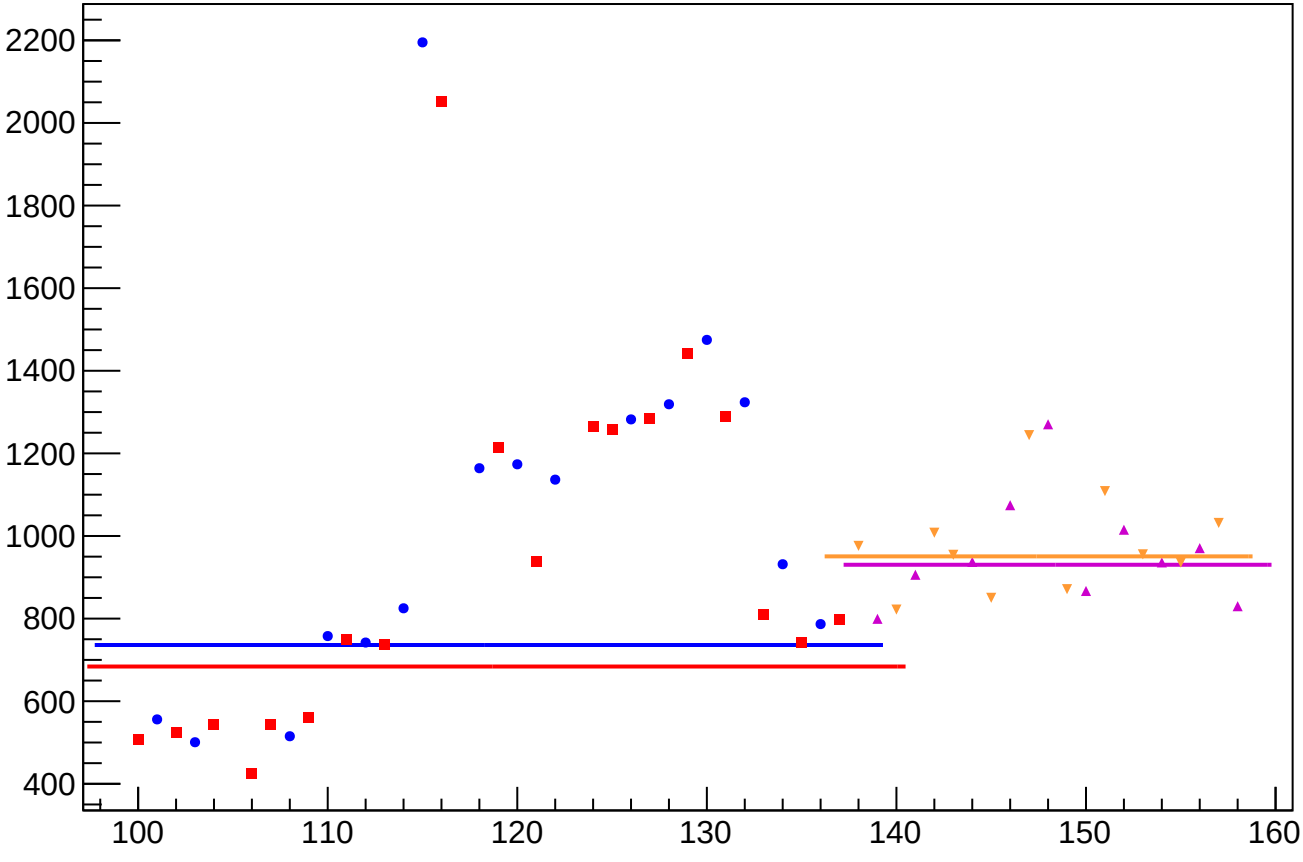
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 324.529+/-215.977 χ^2/NDF:25.2/25

Out: 62.521+/-207.969 χ^2/NDF:34.9/29

All: 188.577+/-149.807 χ^2/NDF: 60.9/55

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 950.652+/-0.231 χ^2/NDF:214826.9/10

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 930.338+/-0.226 χ^2/NDF:244311.5/9

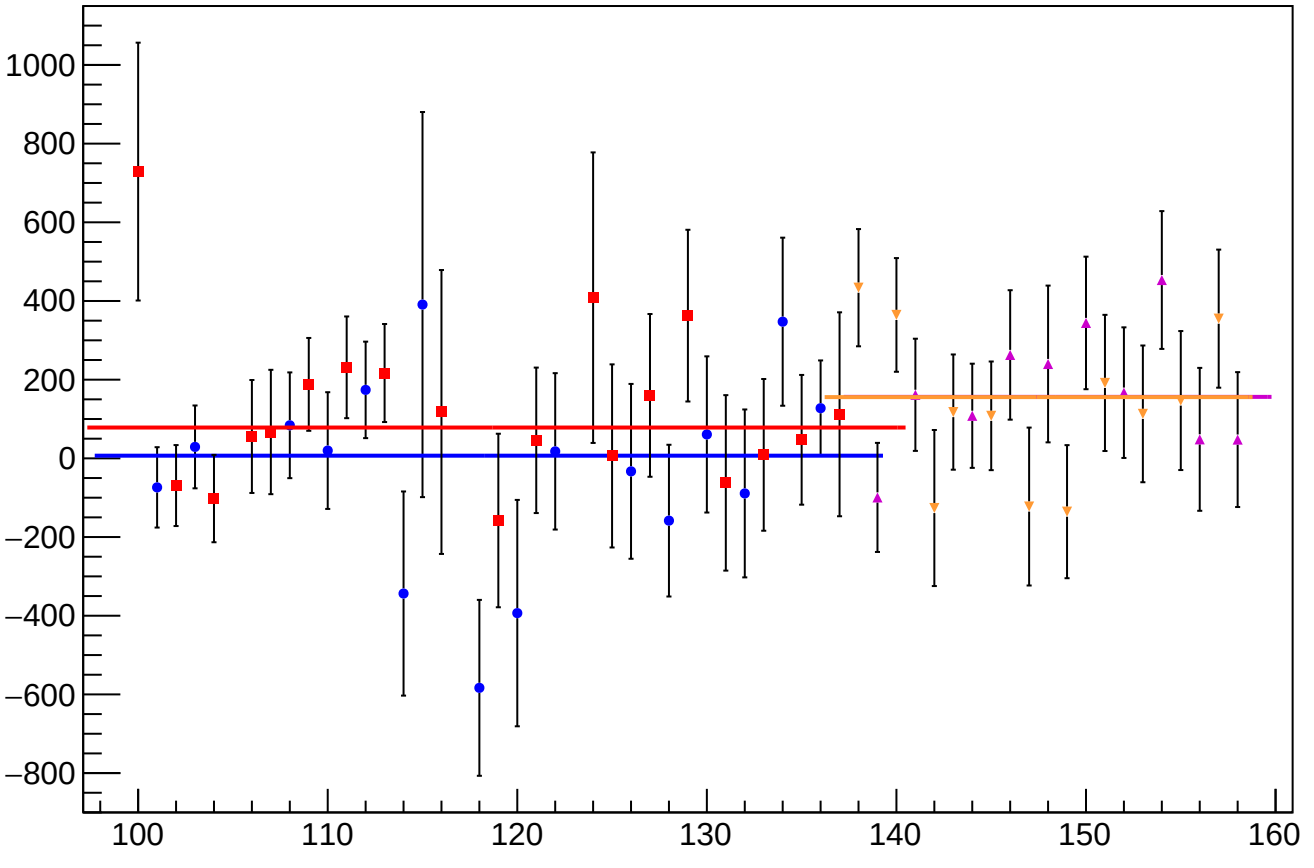
Left: 940.268+/-0.161 χ^2/NDF: 463103.3/20

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 825.130+/-0.153 χ^2/NDF:2490488.2/25

Out: 792.383+/-0.147 χ^2/NDF:2858583.9/29

All: 808.138+/-0.106 χ^2/NDF: 5372929.3/55



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 155.679+/-49.493 χ^2/NDF:14.1/10

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 156.266+/-50.711 χ^2/NDF:9.0/9

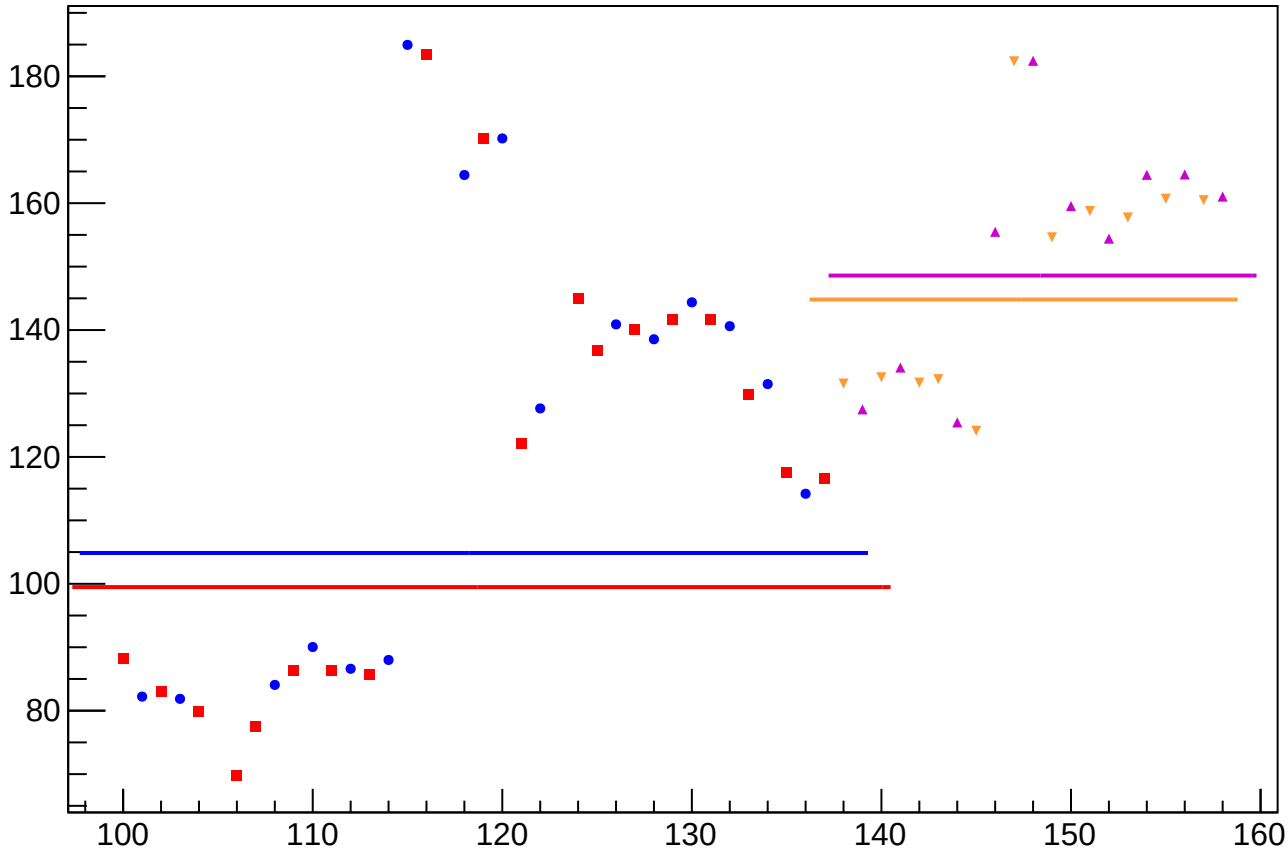
Left: 155.965+/-35.419 χ^2/NDF: 23.1/20

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 64.749+/-31.576 χ^2/NDF:33.1/25

Out: 106.940+/-30.095 χ^2/NDF:32.3/29

All: 86.857+/-21.785 χ^2/NDF: 66.3/55



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 144.808+/-0.035 χ^2/NDF:231400.6/10

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

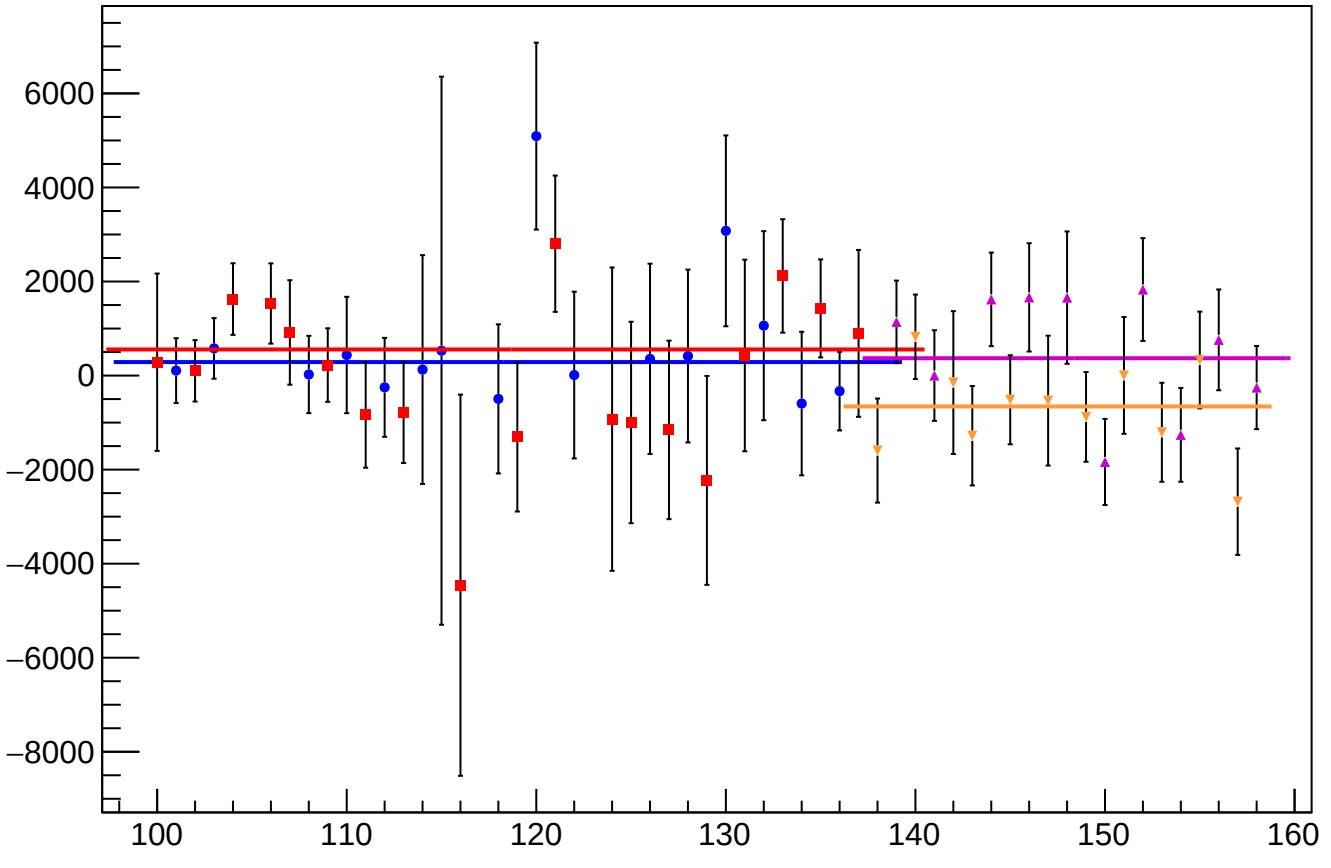
Left: 146.652+/-0.025 χ^2/NDF: 479720.9/20

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 121.813+/-0.022 χ^2/NDF:2084404.8/25

Out: 116.242+/-0.021 χ^2/NDF:2329741.6/29

All: 118.894+/-0.015 χ^2/NDF: 4446770.6/55



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -657.142+/-326.187 χ^2/NDF:8.7/10

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 368.967+/-318.996 χ^2/NDF:15.5/9

Left: -132.652+/-228.064 χ^2/NDF: 29.2/20

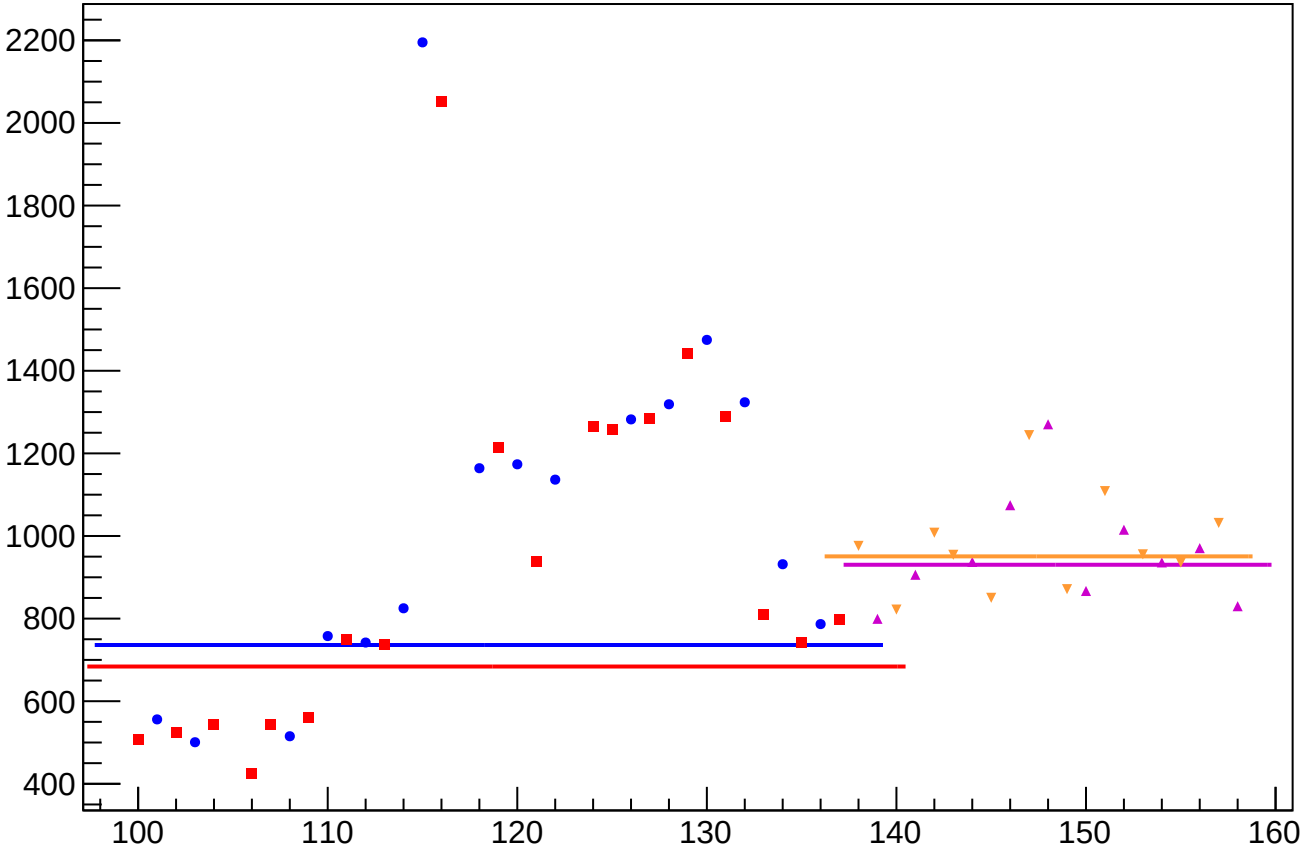
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 324.529+/-215.977 χ^2/NDF:25.2/25

Out: 62.521+/-207.969 χ^2/NDF:34.9/29

All: 188.577+/-149.807 χ^2/NDF: 60.9/55

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 950.652+/-0.231 χ^2/NDF:214826.9/10

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 930.338+/-0.226 χ^2/NDF:244311.5/9

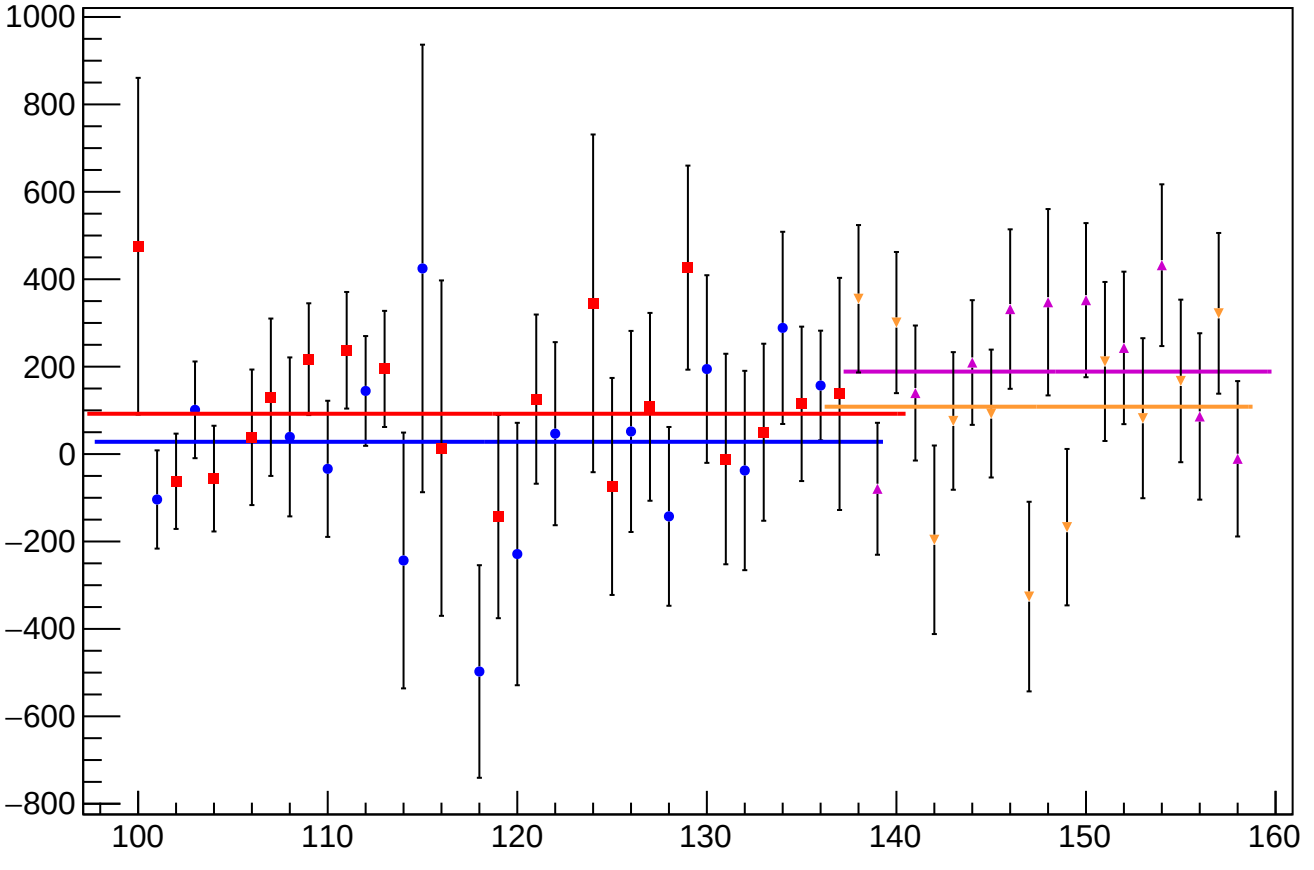
Left: 940.268+/-0.161 χ^2/NDF: 463103.3/20

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 825.130+/-0.153 χ^2/NDF:2490488.2/25

Out: 792.383+/-0.147 χ^2/NDF:2858583.9/29

All: 808.138+/-0.106 χ^2/NDF: 5372929.3/55



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 108.382+/-53.216 χ^2/NDF:13.8/10

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 188.684+/-54.194 χ^2/NDF:8.7/9

Left: 147.802+/-37.970 χ^2/NDF: 23.6/20

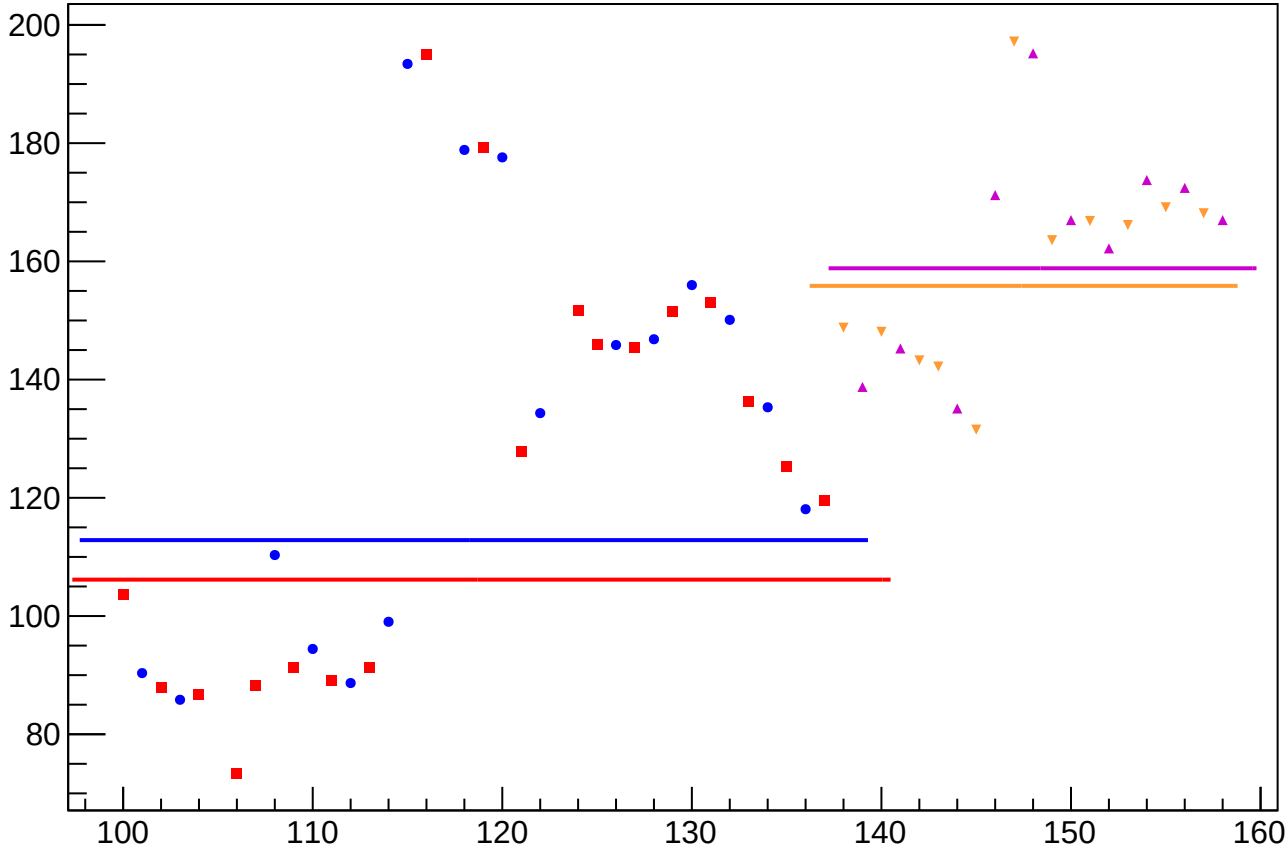
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 90.911+/-33.894 χ^2/NDF:27.6/25

Out: 98.172+/-32.248 χ^2/NDF:25.6/29

All: 94.722+/-23.363 χ^2/NDF: 53.2/55

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 155.858+/-0.038 χ^2/NDF:194382.3/10

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 158.830+/-0.038 χ^2/NDF:205924.8/9

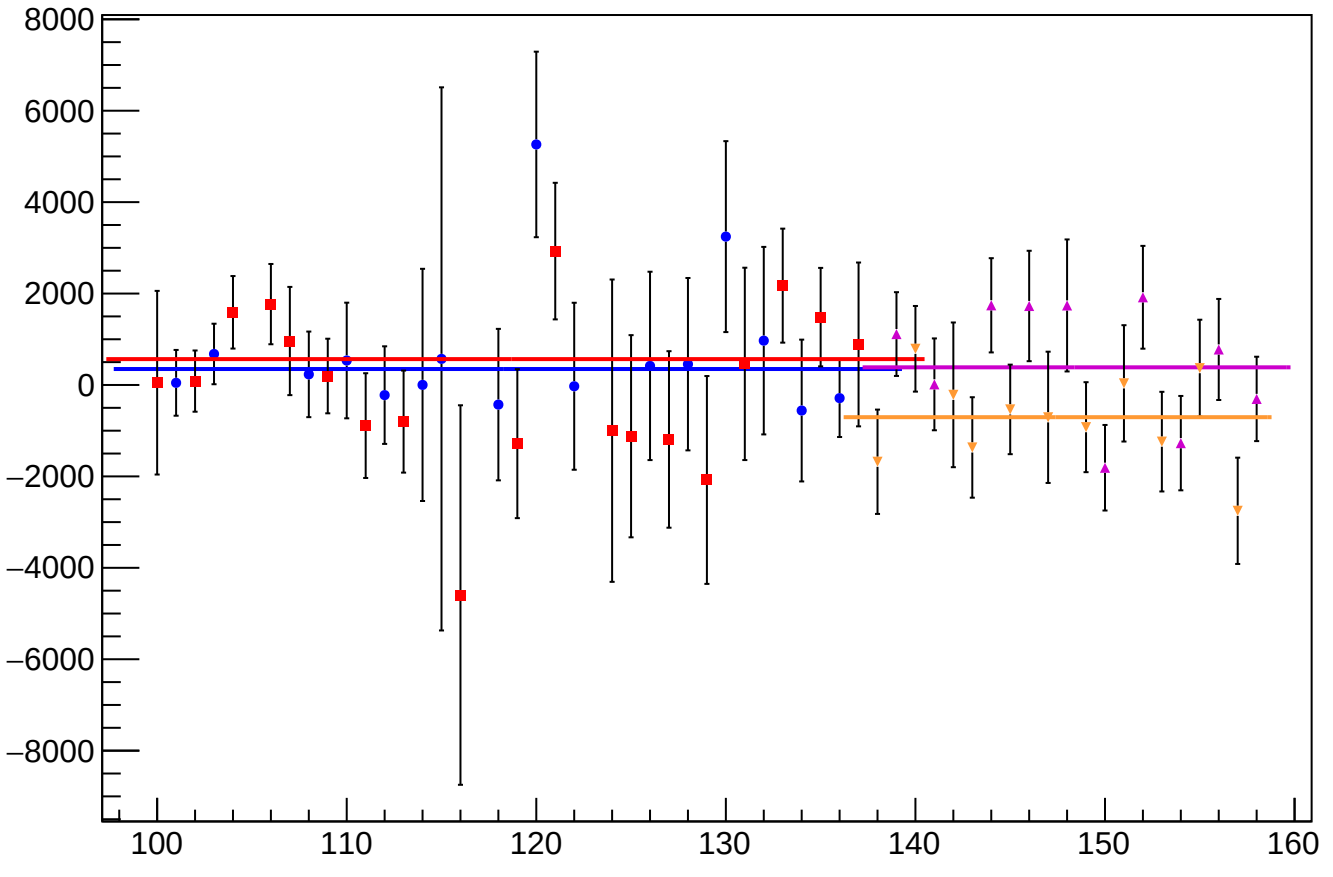
Left: 157.317+/-0.027 χ^2/NDF: 403368.6/20

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 130.831+/-0.024 χ^2/NDF:1954961.6/25

Out: 124.409+/-0.023 χ^2/NDF:2300376.7/29

All: 127.460+/-0.017 χ^2/NDF: 4293026.8/55



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -704.617+/-337.411 χ^2/NDF:8.5/10

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 386.205+/-330.576 χ^2/NDF:15.2/9

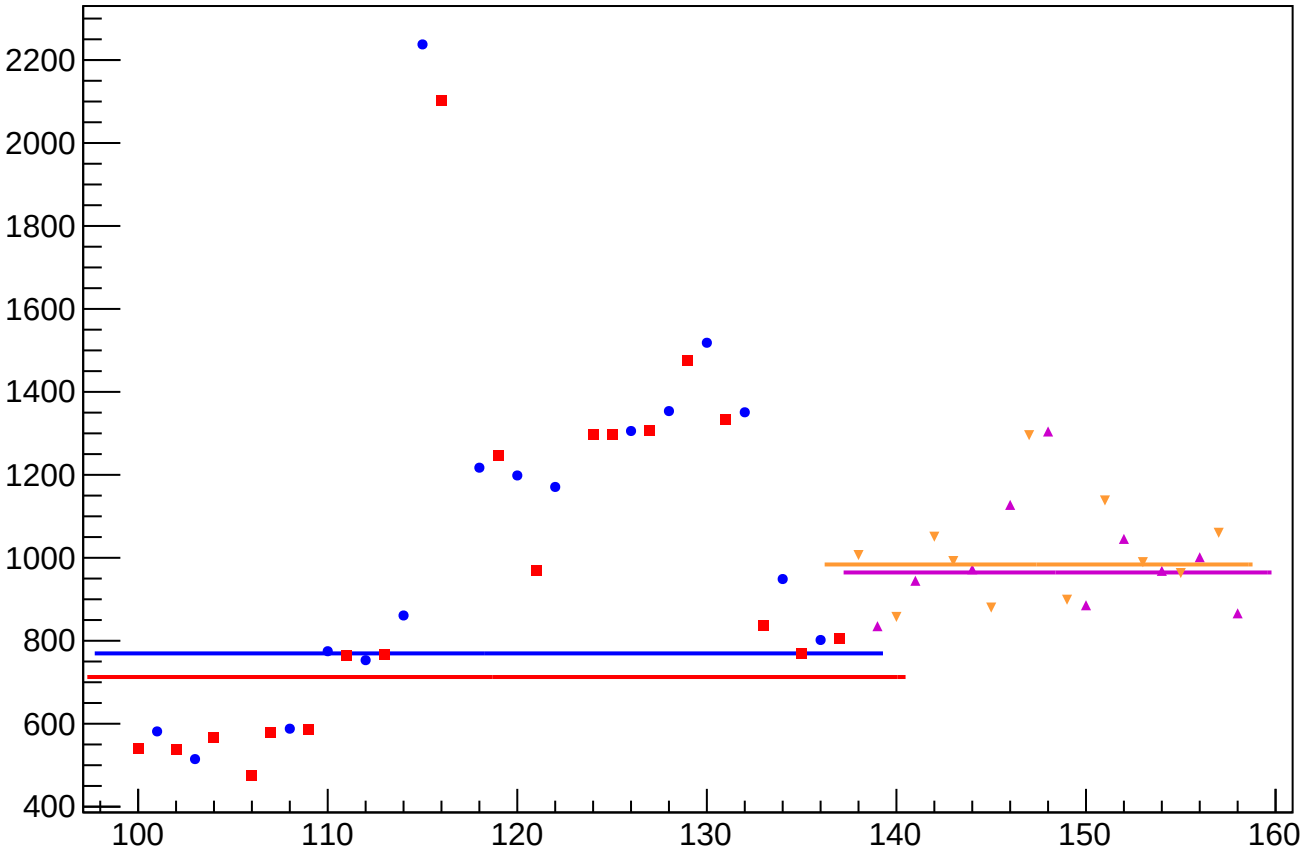
Left: -148.045+/-236.132 χ^2/NDF: 29.1/20

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 366.188+/-224.295 χ^2/NDF:25.1/25

Out: 49.560+/-215.114 χ^2/NDF:35.2/29

All: 201.261+/-155.253 χ^2/NDF: 61.3/55



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 983.937+/-0.239 χ^2/NDF:211442.4/10

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 964.662+/-0.234 χ^2/NDF:237664.4/9

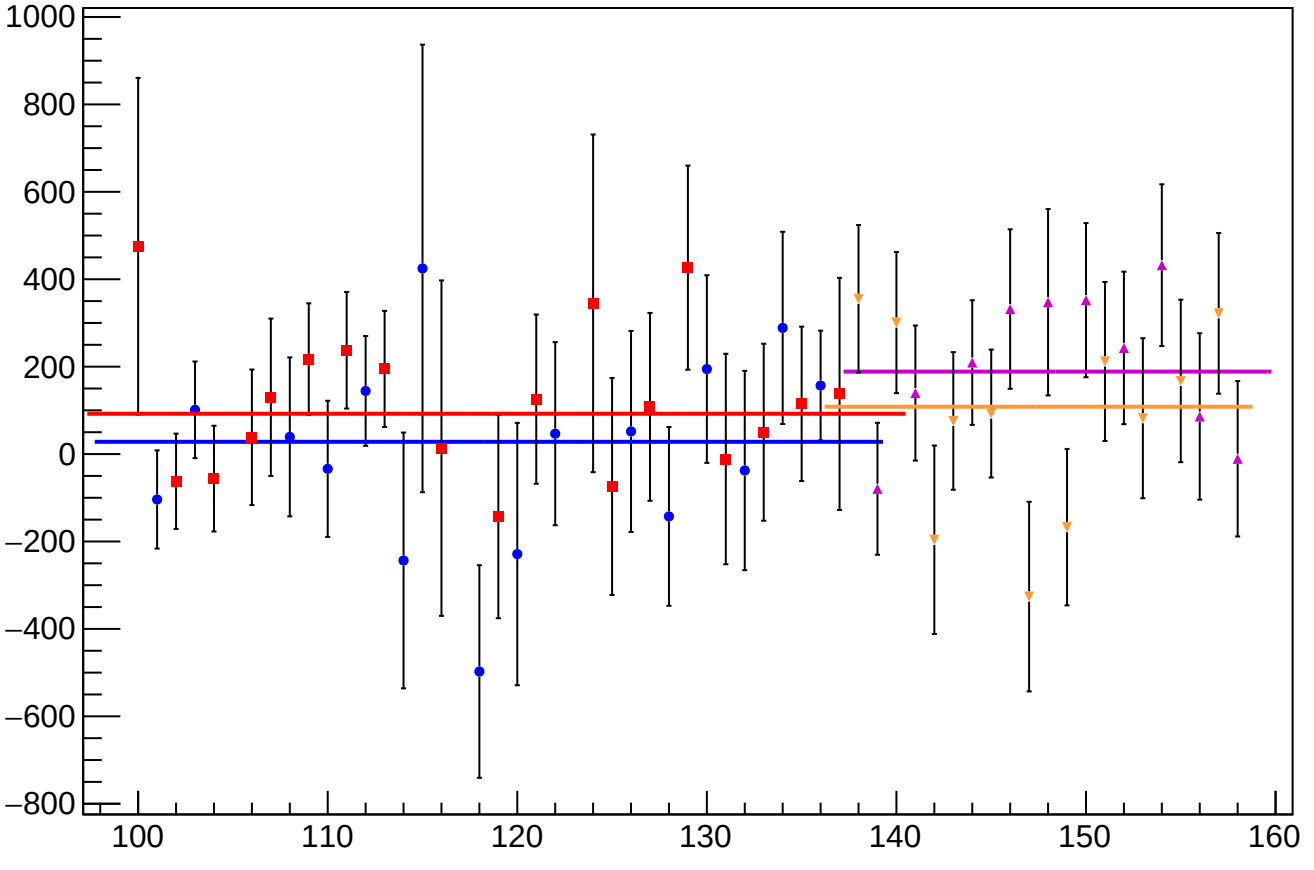
Left: 974.103+/-0.167 χ^2/NDF: 452436.9/20

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 859.375+/-0.159 χ^2/NDF:2353550.6/25

Out: 822.905+/-0.152 χ^2/NDF:2746185.5/29

All: 840.378+/-0.110 χ^2/NDF: 5127279.7/55



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 108.382+/-53.216 χ^2/NDF:13.8/10

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 188.685+/-54.194 χ^2/NDF:8.7/9

Left: 147.802+/-37.970 χ^2/NDF: 23.6/20

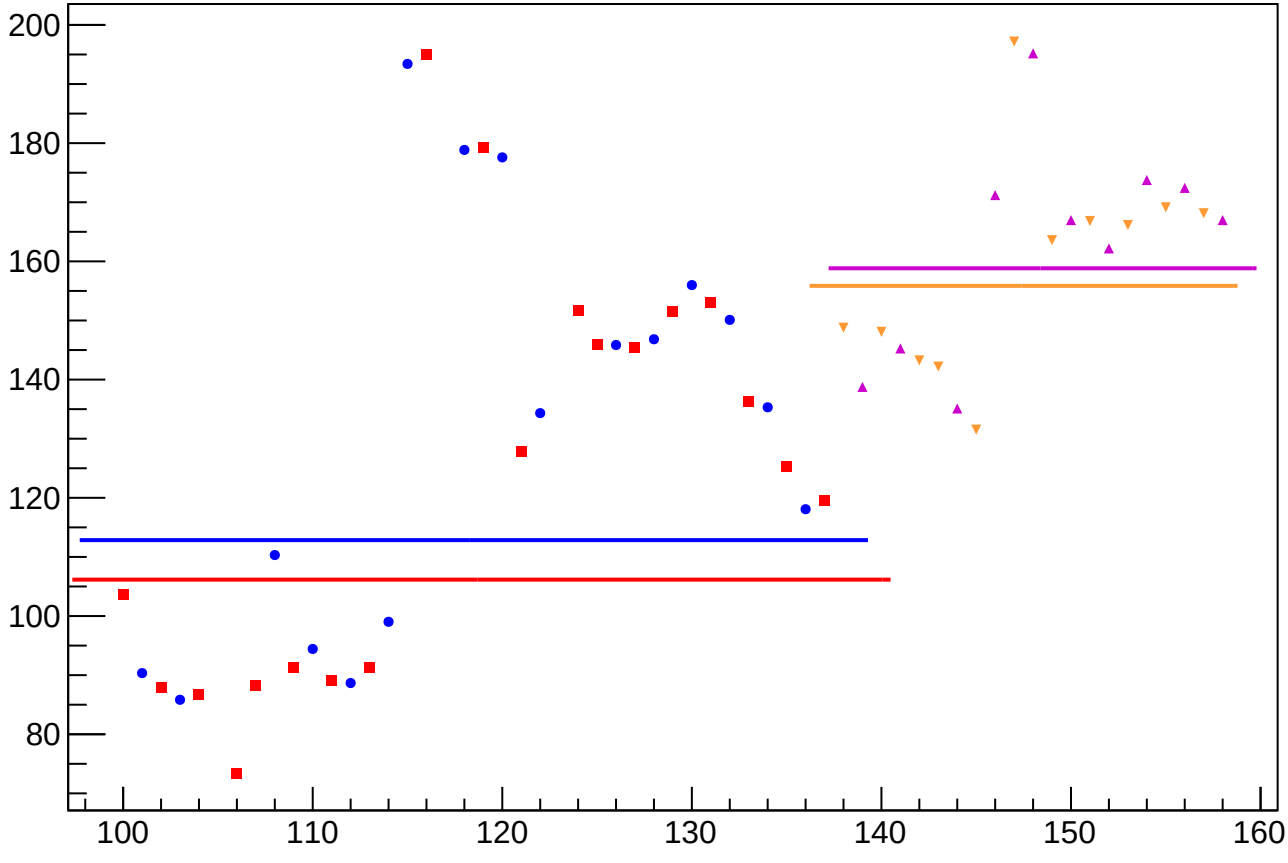
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 90.910+/-33.894 χ^2/NDF:27.6/25

Out: 98.172+/-32.248 χ^2/NDF:25.6/29

All: 94.722+/-23.363 χ^2/NDF: 53.2/55

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 155.858+/-0.038 χ^2/NDF:194384.7/10

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 158.830+/-0.038 χ^2/NDF:205922.7/9

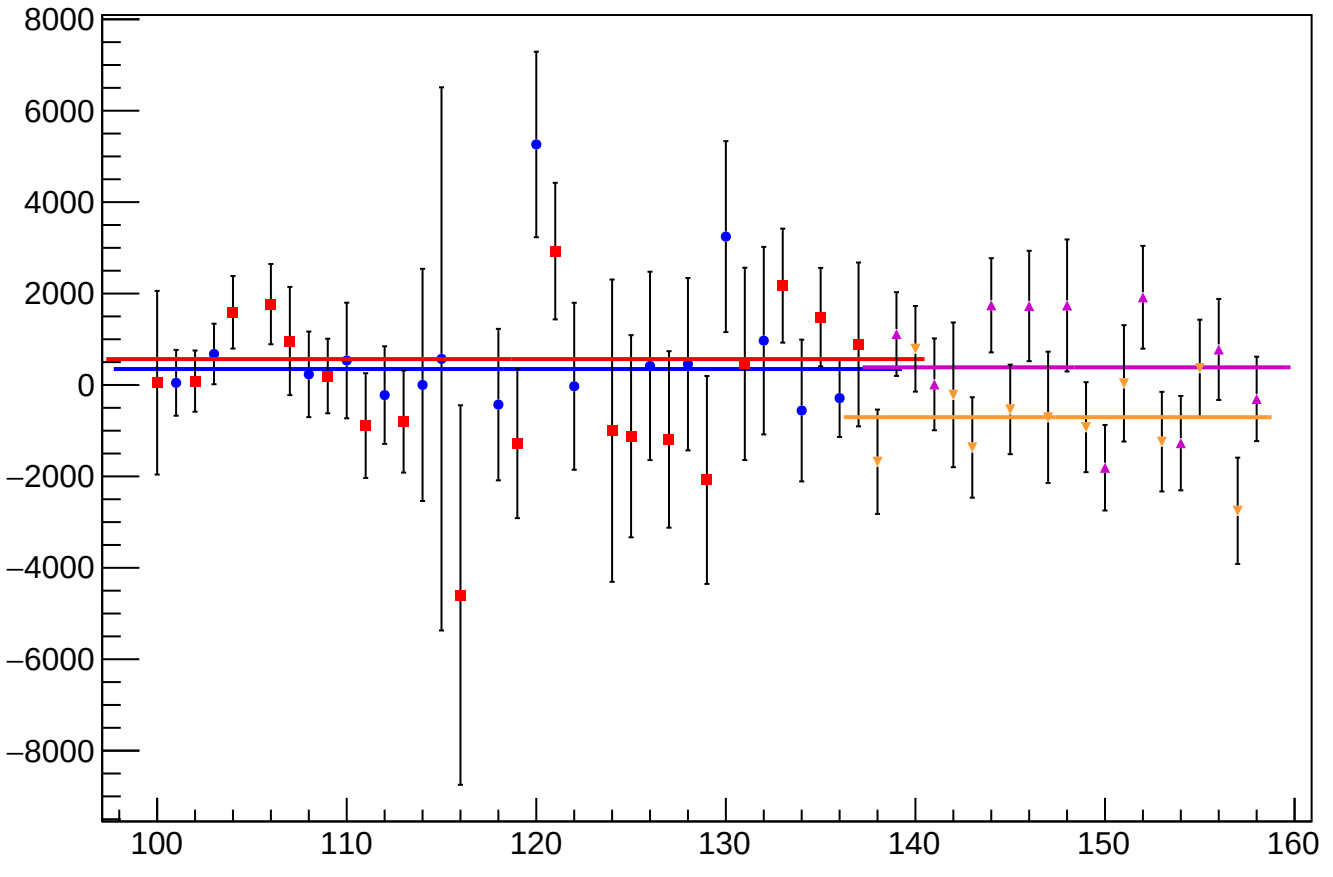
Left: 157.317+/-0.027 χ^2/NDF: 403369.2/20

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 130.831+/-0.024 χ^2/NDF:1954979.4/25

Out: 124.409+/-0.023 χ^2/NDF:2300389.5/29

All: 127.460+/-0.017 χ^2/NDF: 4293057.2/55



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -704.618+/-337.412 χ^2/NDF:8.5/10

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 386.207+/-330.577 χ^2/NDF:15.2/9

Left: -148.045+/-236.133 χ^2/NDF: 29.1/20

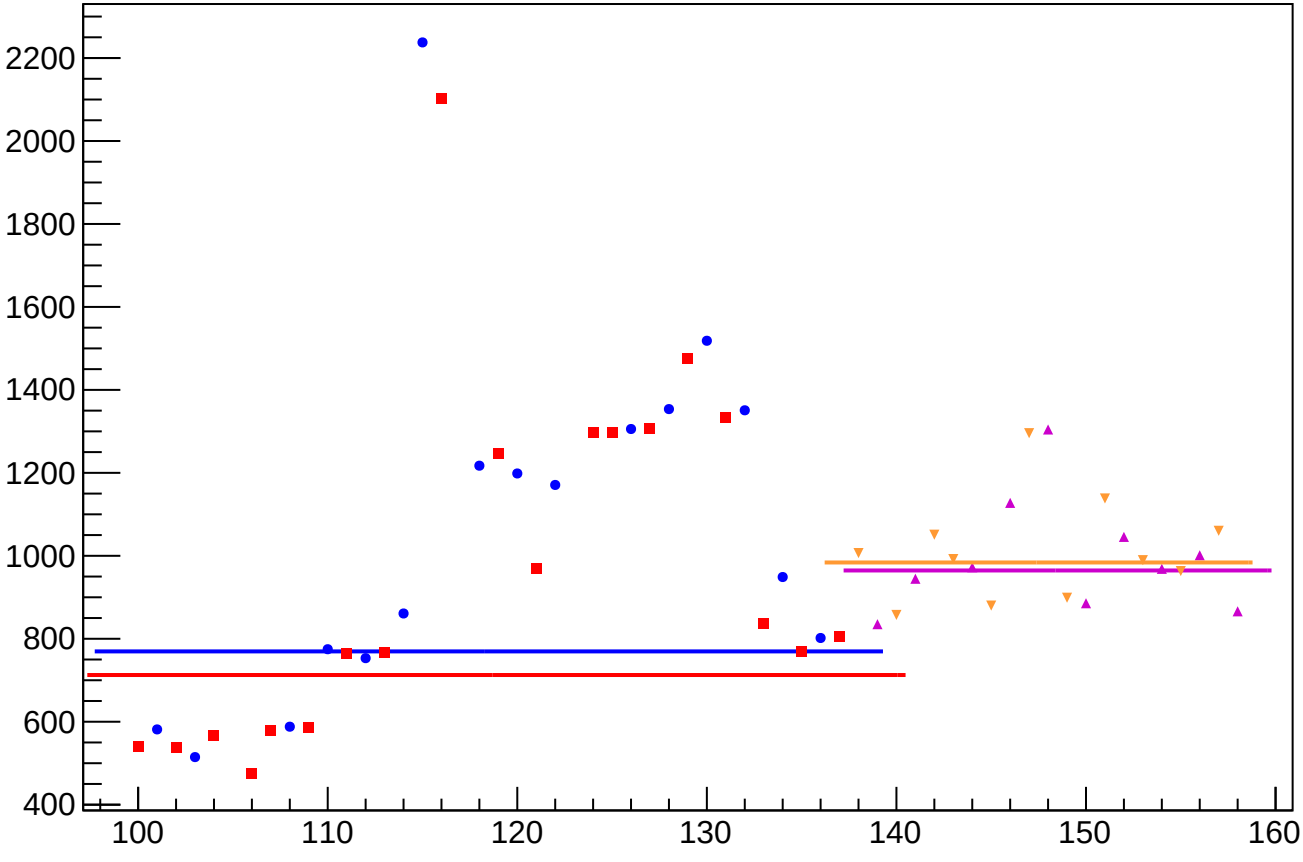
Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 366.188+/-224.295 χ^2/NDF:25.1/25

Out: 49.562+/-215.114 χ^2/NDF:35.2/29

All: 201.263+/-155.253 χ^2/NDF: 61.3/55

asym_sam5_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 983.940+/-0.239 χ^2/NDF:211442.4/10

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 964.664+/-0.234 χ^2/NDF:237665.8/9

Left: 974.105+/-0.167 χ^2/NDF: 452438.5/20

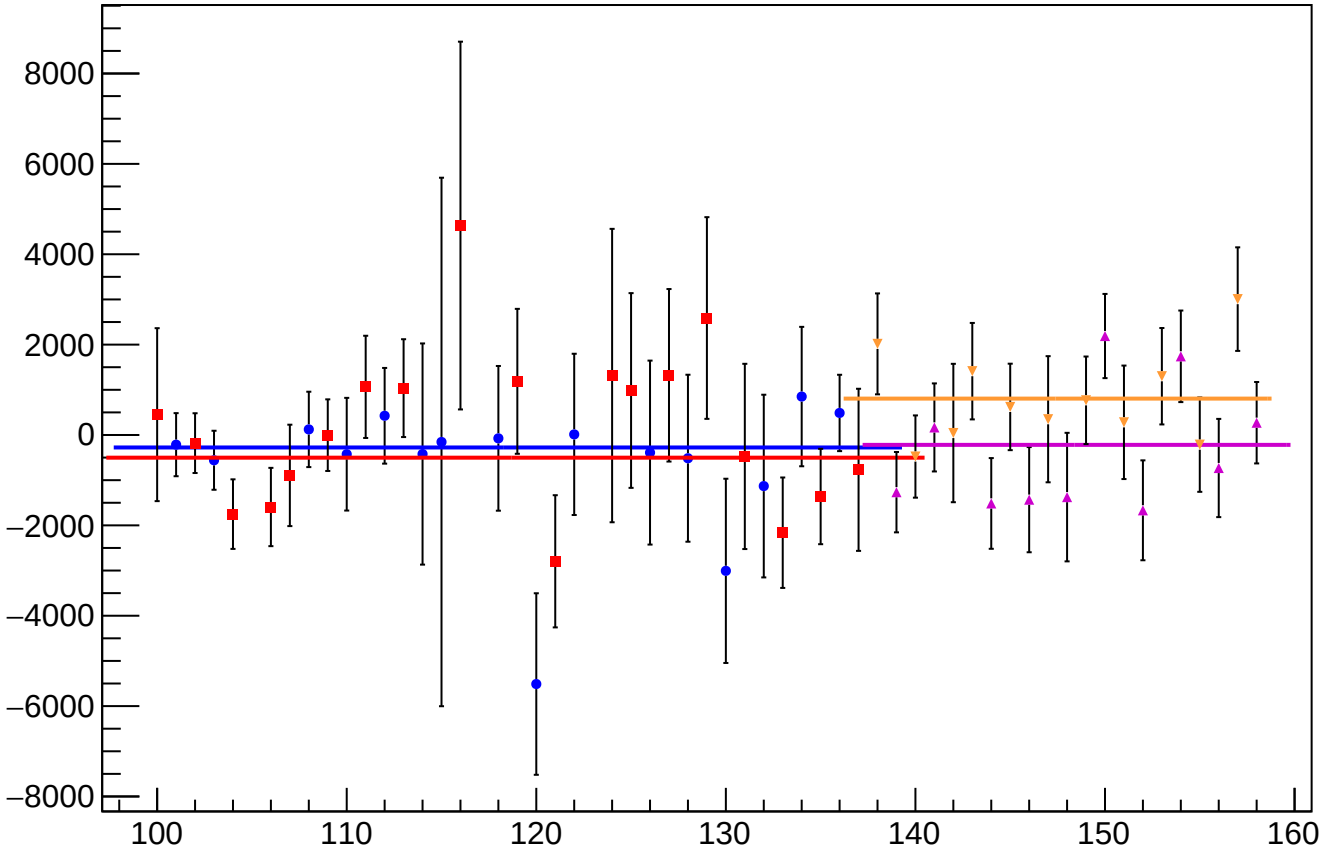
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 859.375+/-0.159 χ^2/NDF:2353560.1/25

Out: 822.905+/-0.152 χ^2/NDF:2746196.4/29

All: 840.378+/-0.110 χ^2/NDF: 5127300.3/55

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 805.273+/-330.152 χ^2/NDF:8.9/10

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -218.694+/-323.333 χ^2/NDF:17.6/9

Left: 282.606+/-231.004 χ^2/NDF: 31.4/20

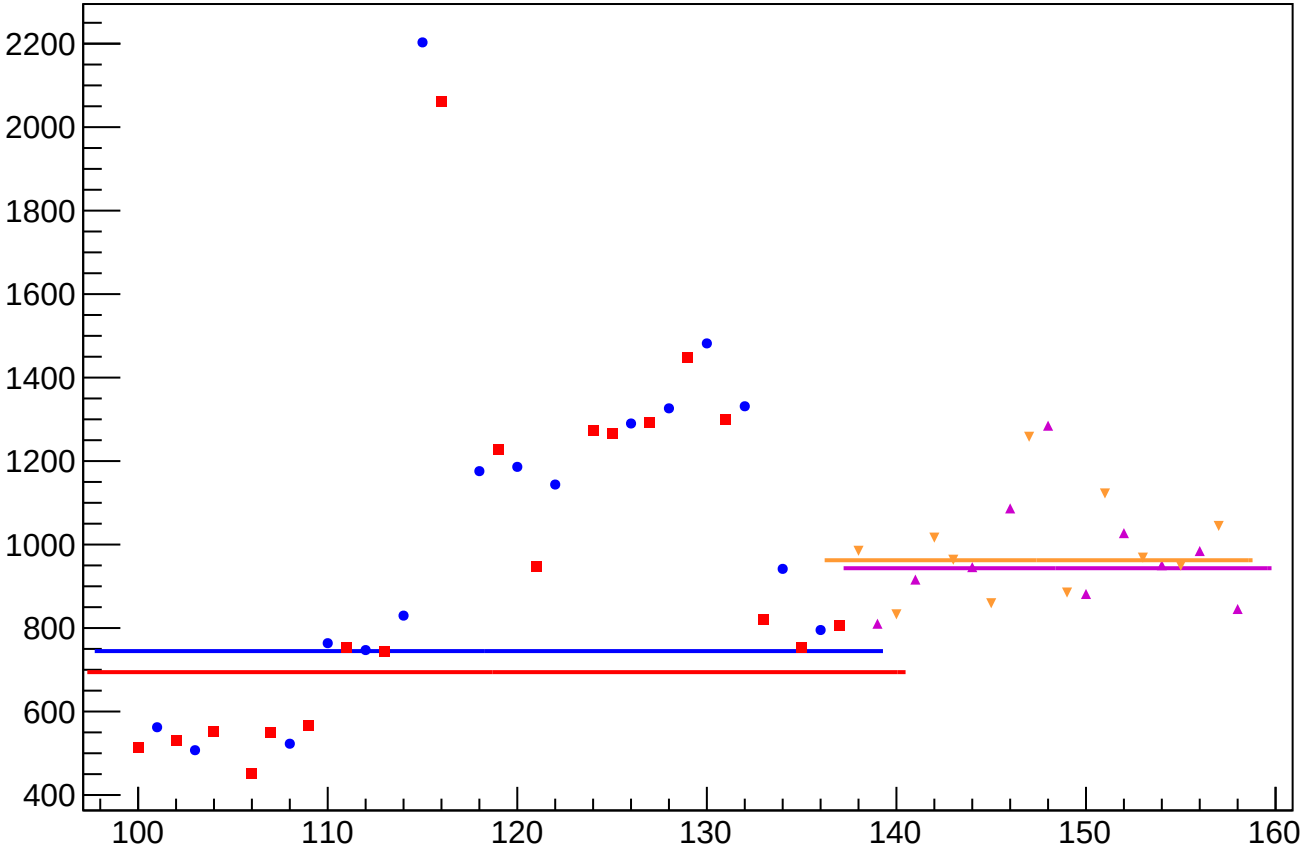
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -249.911+/-218.612 χ^2/NDF:28.7/25

Out: 28.856+/-210.385 χ^2/NDF:38.7/29

All: -105.184+/-151.590 χ^2/NDF: 68.2/55

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 962.439+/-0.233 χ^2/NDF:212783.2/10

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 943.309+/-0.229 χ^2/NDF:238667.1/9

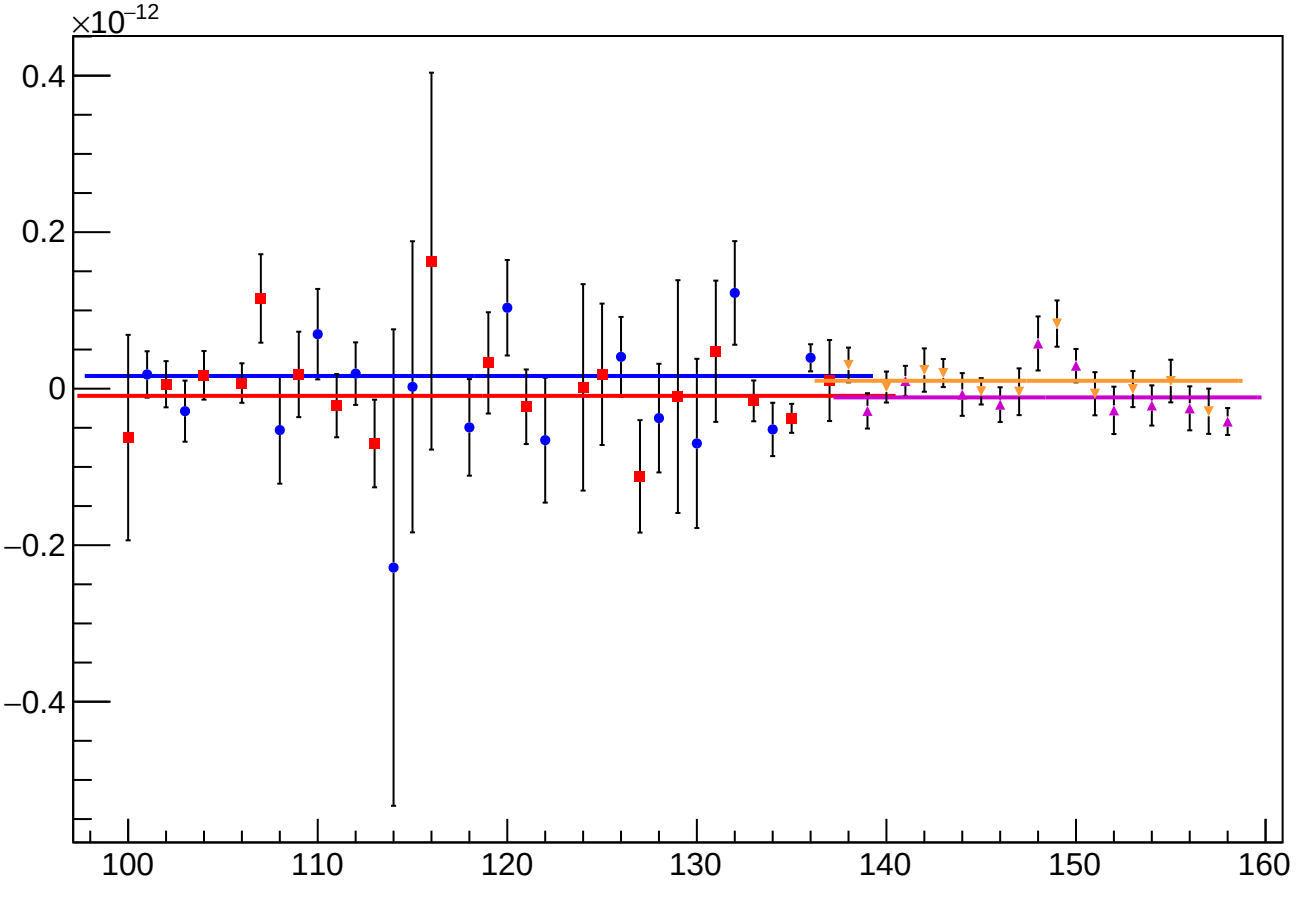
Left: 952.675+/-0.163 χ^2/NDF: 454878.0/20

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 835.537+/-0.155 χ^2/NDF:2470534.1/25

Out: 803.212+/-0.149 χ^2/NDF:2799778.6/29

All: 818.755+/-0.107 χ^2/NDF: 5293014.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/9

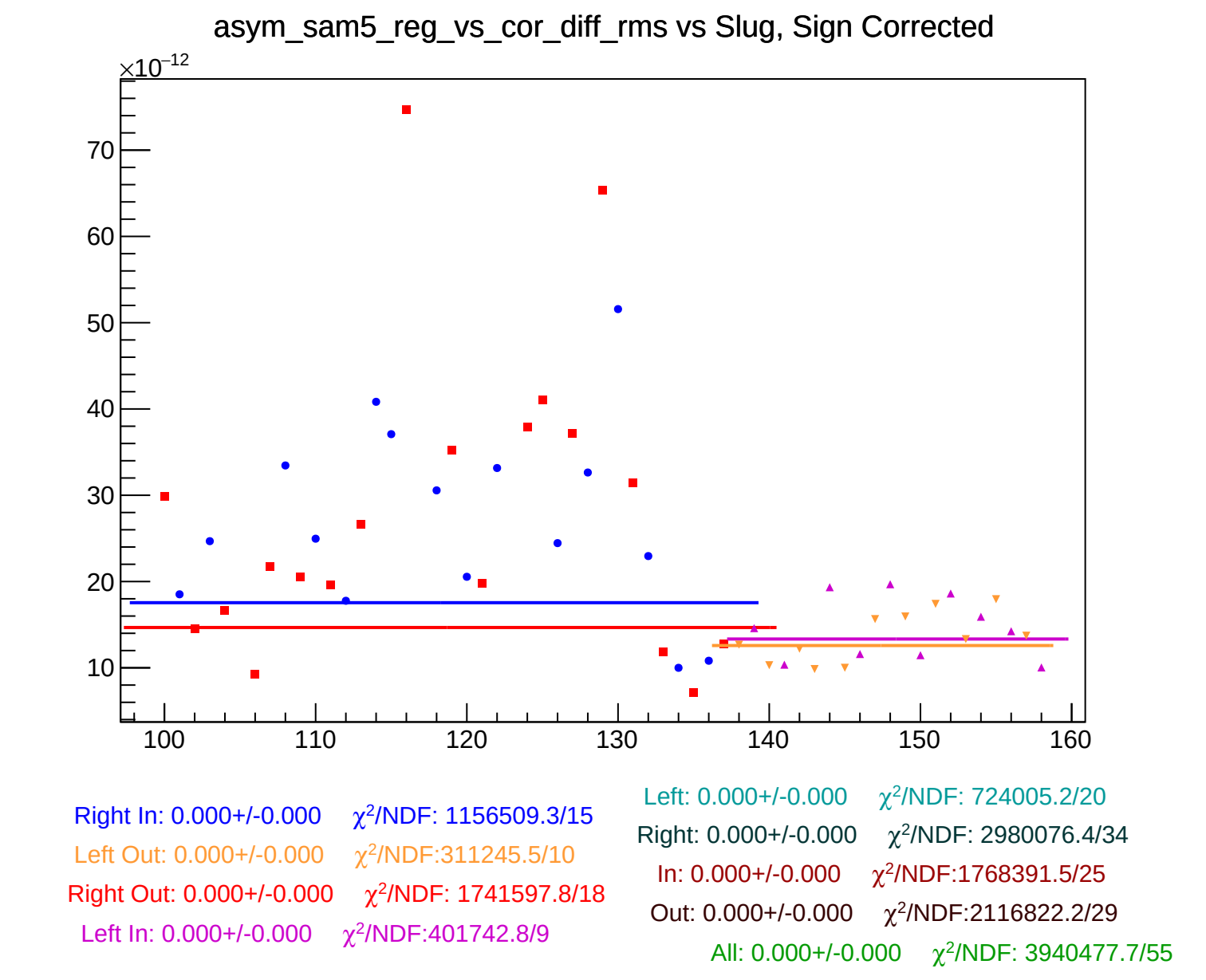
Left: 0.000+/-0.000 χ^2/NDF: 28.7/20

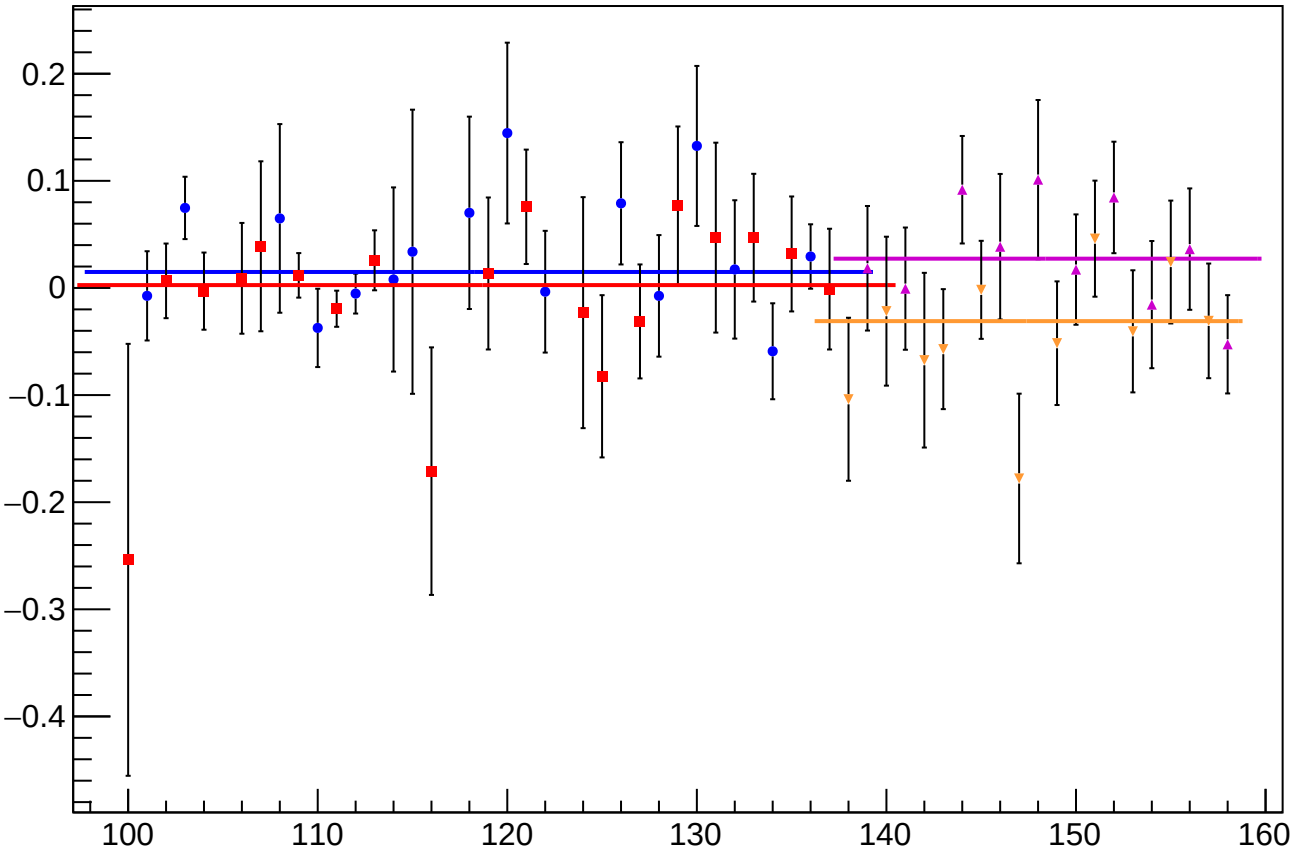
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:35.8/25

Out: 0.000+/-0.000 χ^2/NDF:27.7/29

All: 0.000+/-0.000 χ^2/NDF: 64.0/55


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:311245.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:401742.8/9
Left: 0.000+/-0.000 χ²/NDF: 724005.2/20
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1768391.5/25
Out: 0.000+/-0.000 χ²/NDF:2116822.2/29
All: 0.000+/-0.000 χ²/NDF: 3940477.7/55



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.018 χ^2/NDF:8.3/10

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.027+/-0.018 χ^2/NDF:7.7/9

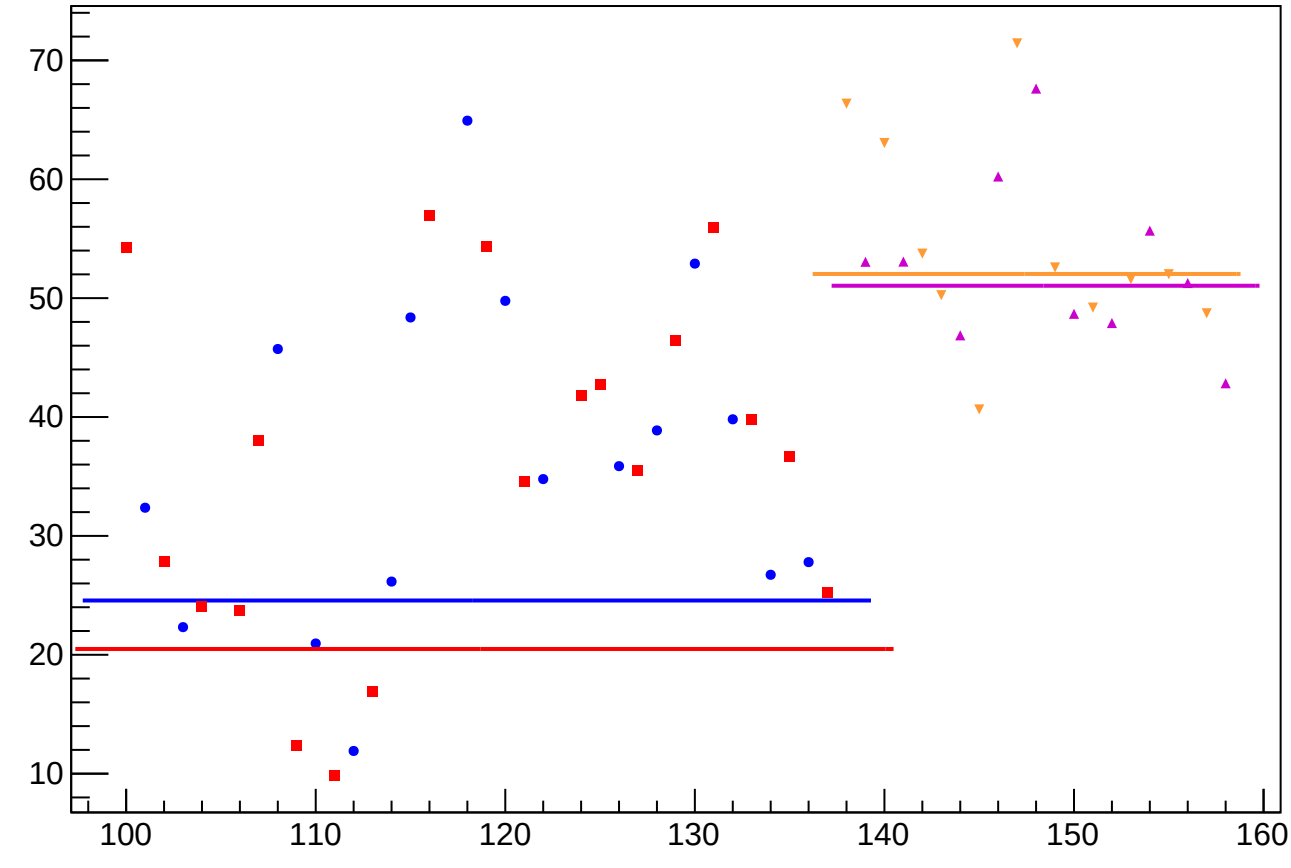
Left: -0.001+/-0.013 χ^2/NDF: 21.4/20

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.009 χ^2/NDF:25.9/25

Out: -0.004+/-0.008 χ^2/NDF:23.5/29

All: 0.006+/-0.006 χ^2/NDF: 52.8/55



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381445.2/10

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.043+/-0.012 χ^2/NDF:242524.5/9

Left: 51.528+/-0.009 χ^2/NDF: 627064.7/20

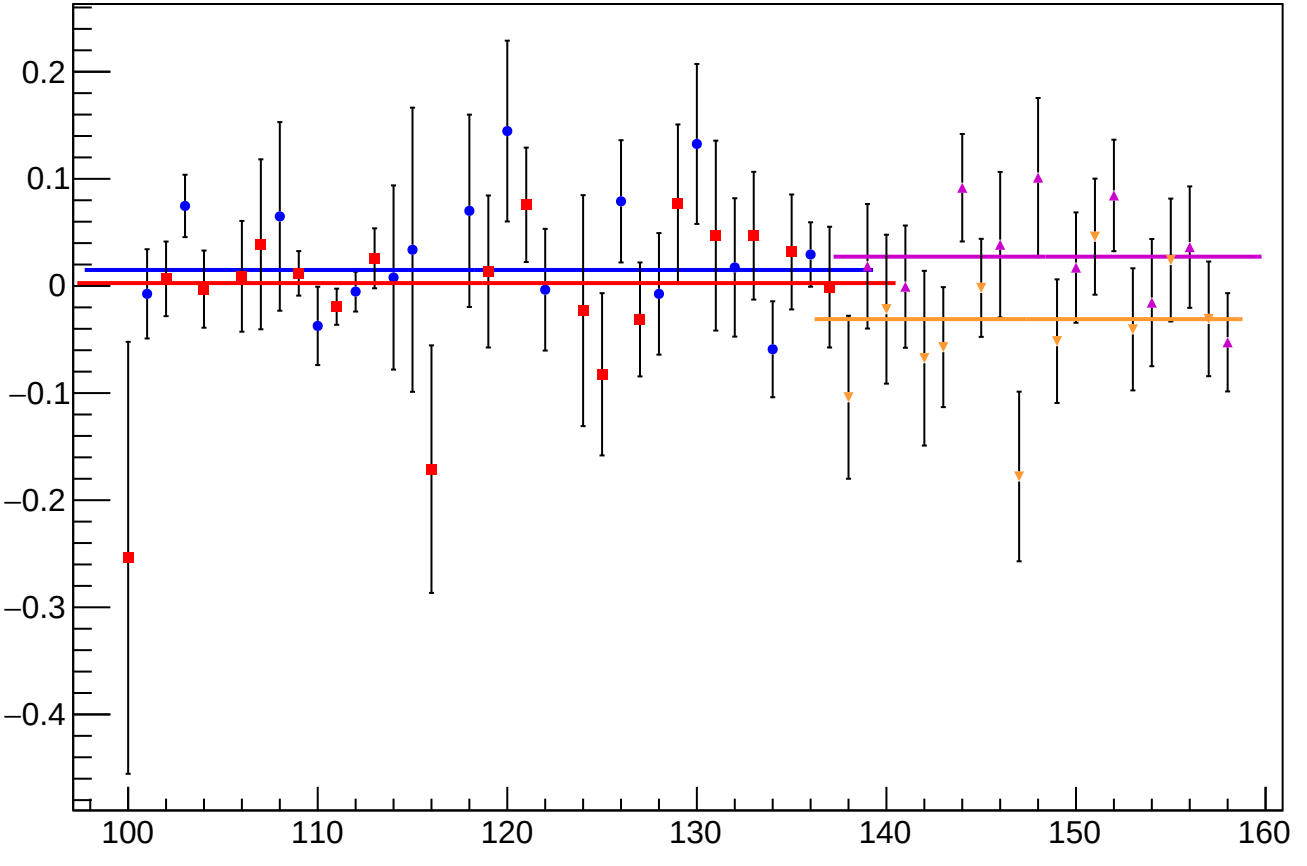
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 31.578+/-0.006 χ^2/NDF:6039568.7/25

Out: 27.053+/-0.006 χ^2/NDF:8831707.4/29

All: 29.089+/-0.004 χ^2/NDF: 15144599.9/55

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: -0.031+/-0.018 χ^2/NDF:8.3/10

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.027+/-0.018 χ^2/NDF:7.7/9

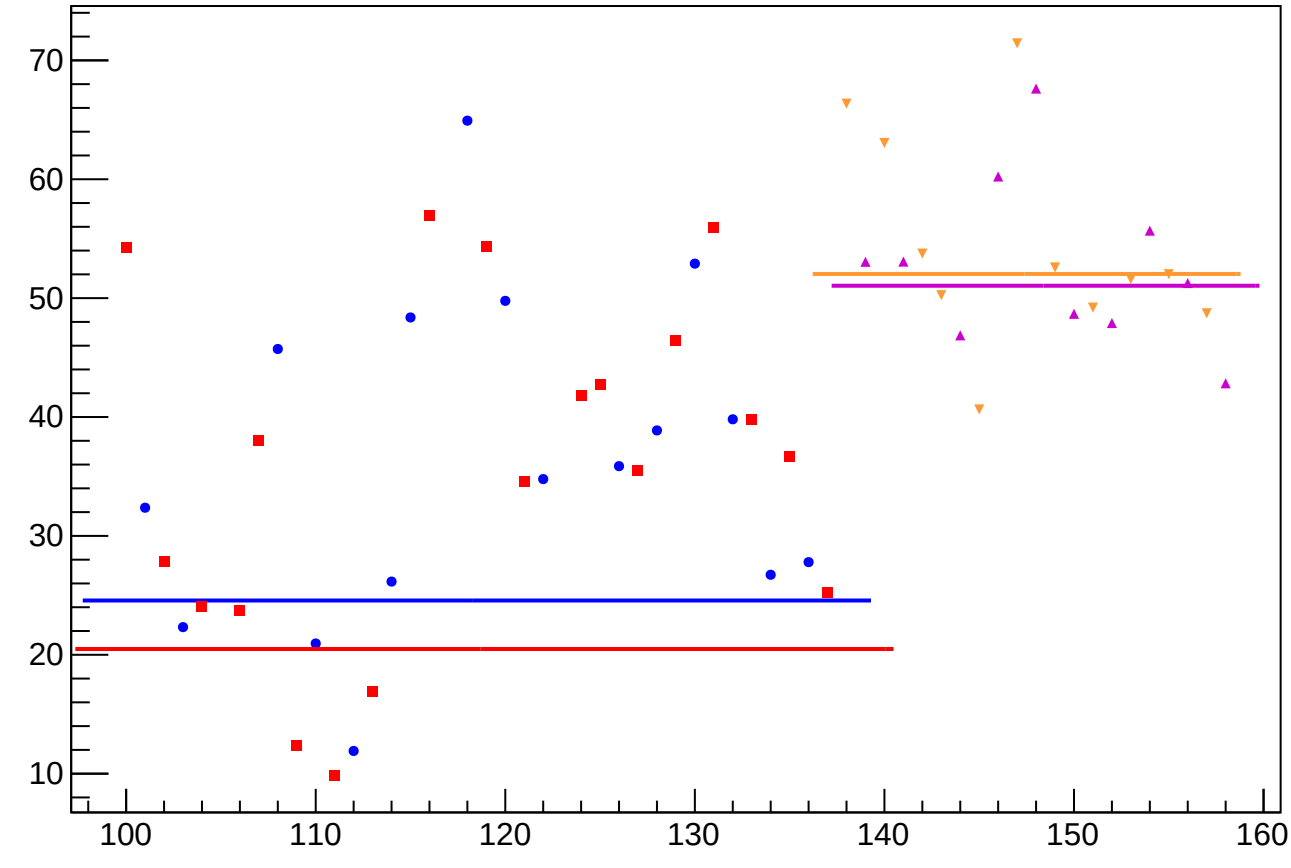
Left: -0.001+/-0.013 χ^2/NDF: 21.4/20

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.009 χ^2/NDF:25.9/25

Out: -0.004+/-0.008 χ^2/NDF:23.5/29

All: 0.006+/-0.006 χ^2/NDF: 52.8/55



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381445.2/10

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.043+/-0.012 χ^2/NDF:242524.5/9

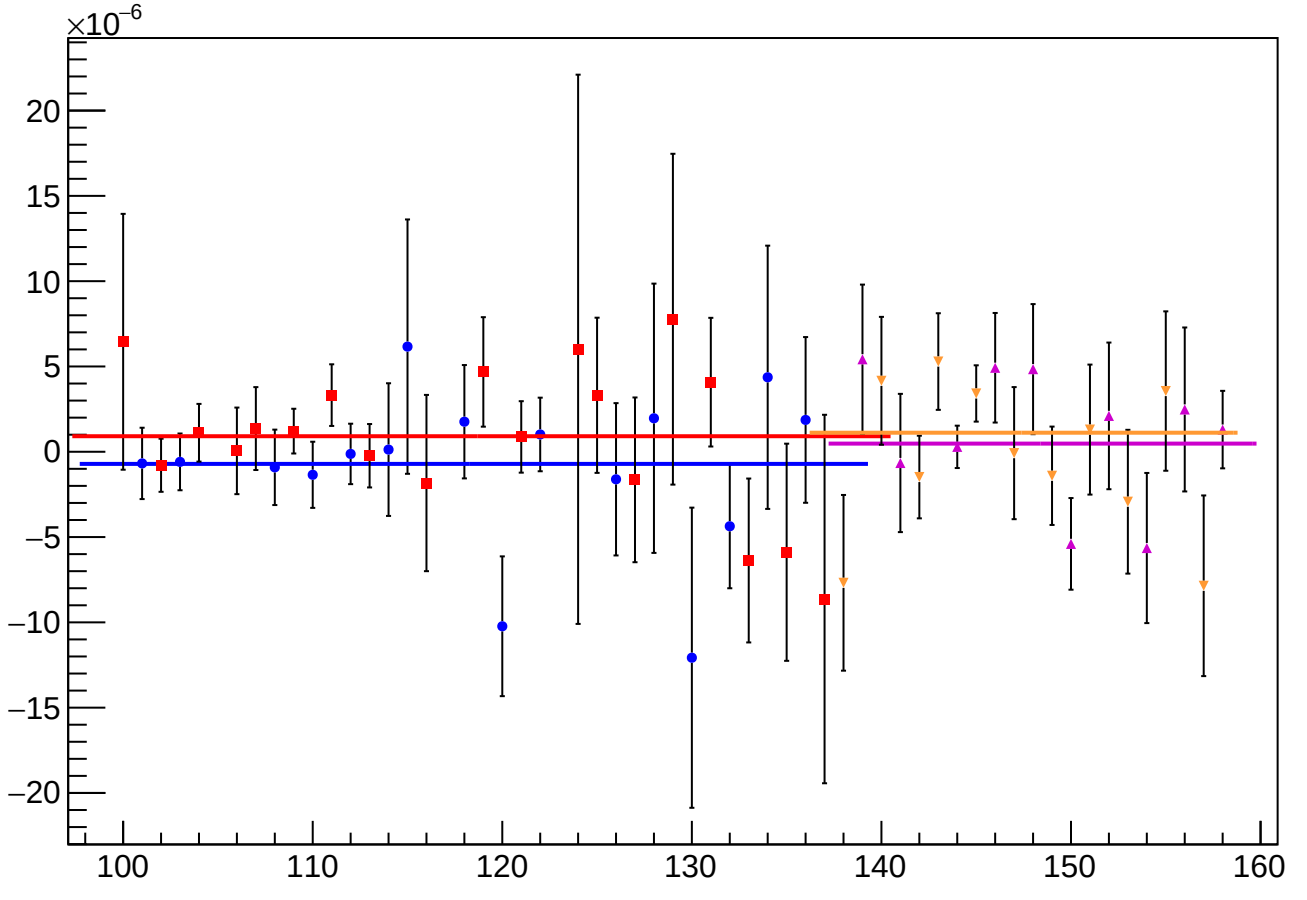
Left: 51.528+/-0.009 χ^2/NDF: 627064.7/20

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 31.578+/-0.006 χ^2/NDF:6039568.7/25

Out: 27.053+/-0.006 χ^2/NDF:8831707.4/29

All: 29.089+/-0.004 χ^2/NDF: 15144599.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/9

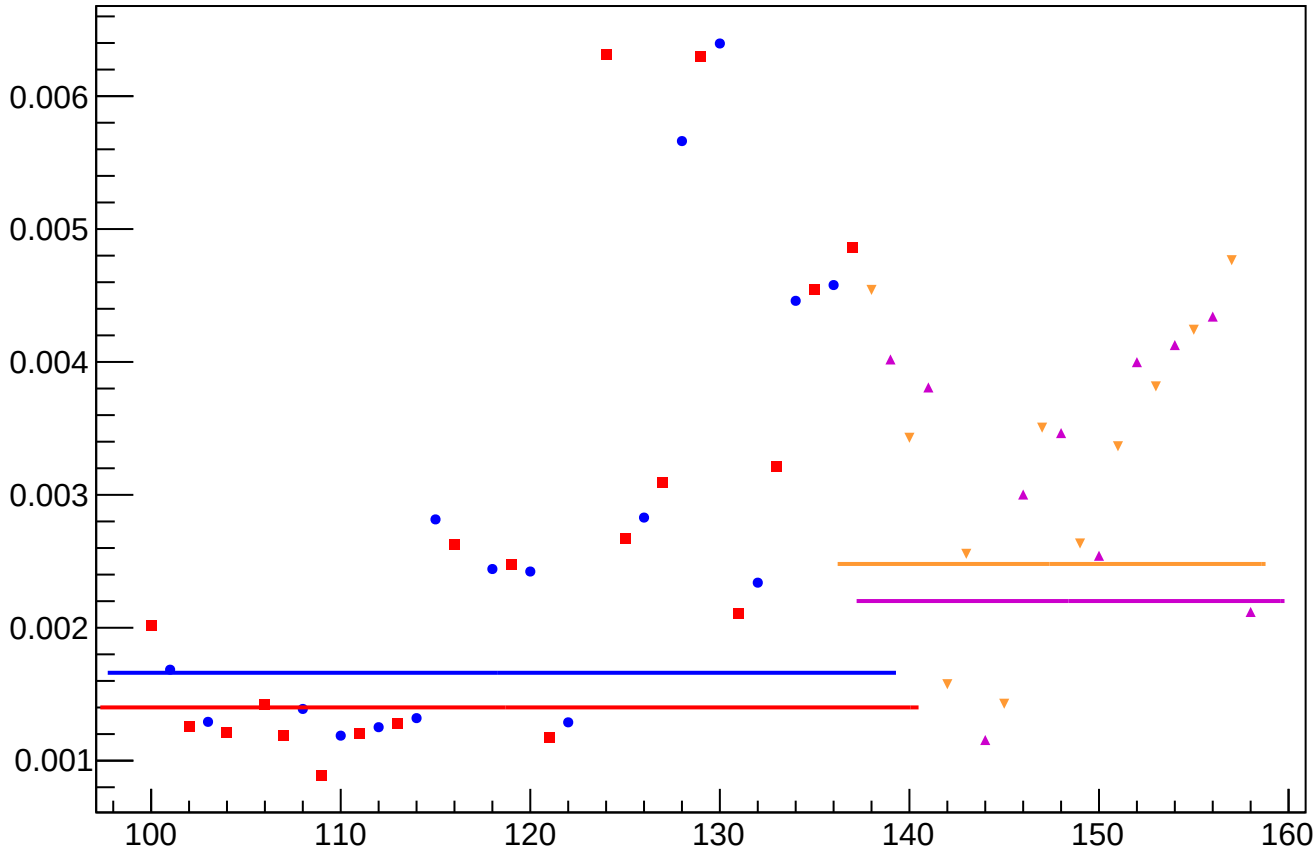
Left: 0.000+/-0.000 χ^2/NDF: 25.8/20

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:24.2/25

Out: 0.000+/-0.000 χ^2/NDF:25.7/29

All: 0.000+/-0.000 χ^2/NDF: 52.6/55



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2653704.7/10

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:3586137.0/9

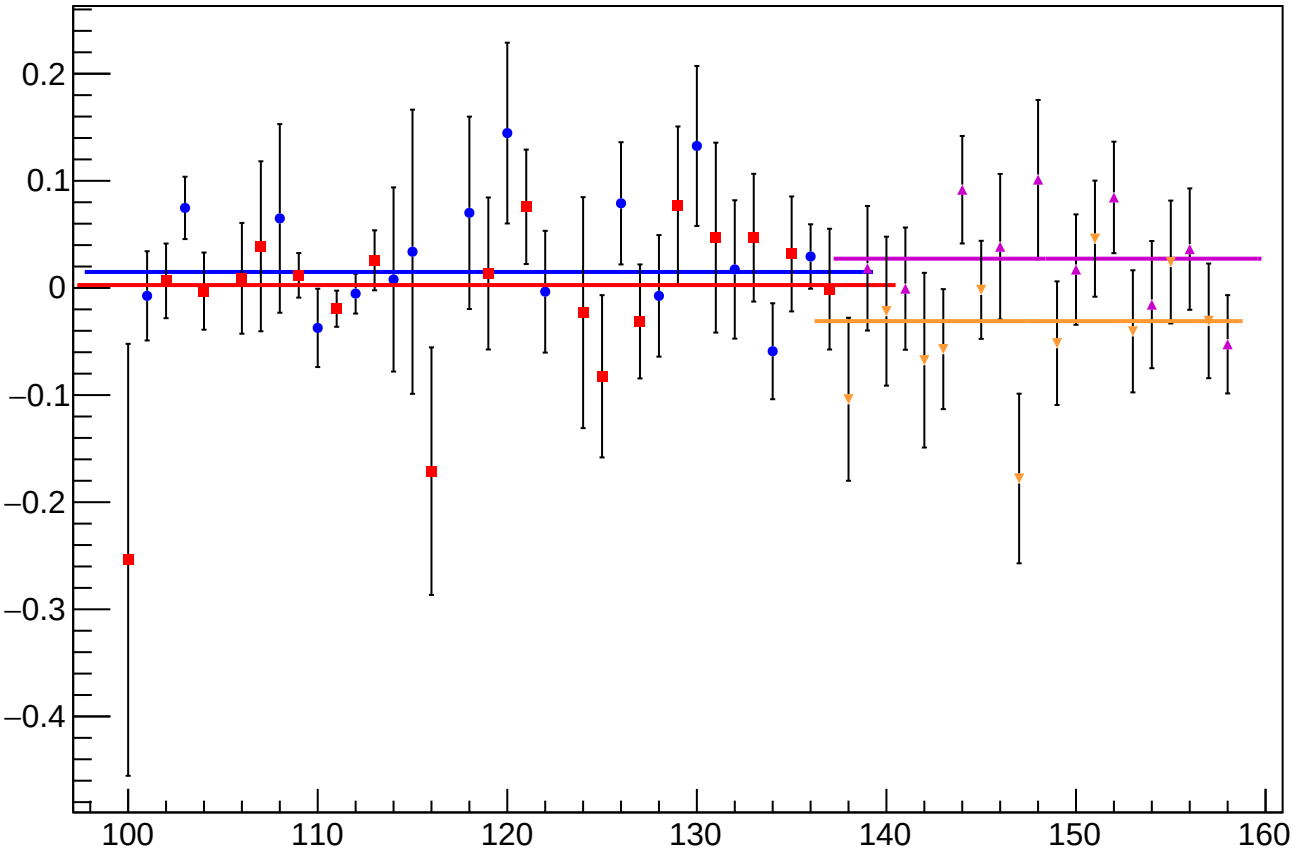
Left: 0.002+/-0.000 χ^2/NDF: 6339094.9/20

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:7014163.7/25

Out: 0.002+/-0.000 χ^2/NDF:7505173.0/29

All: 0.002+/-0.000 χ^2/NDF: 14628991.9/55



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.018 χ^2/NDF:8.3/10

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.027+/-0.018 χ^2/NDF:7.7/9

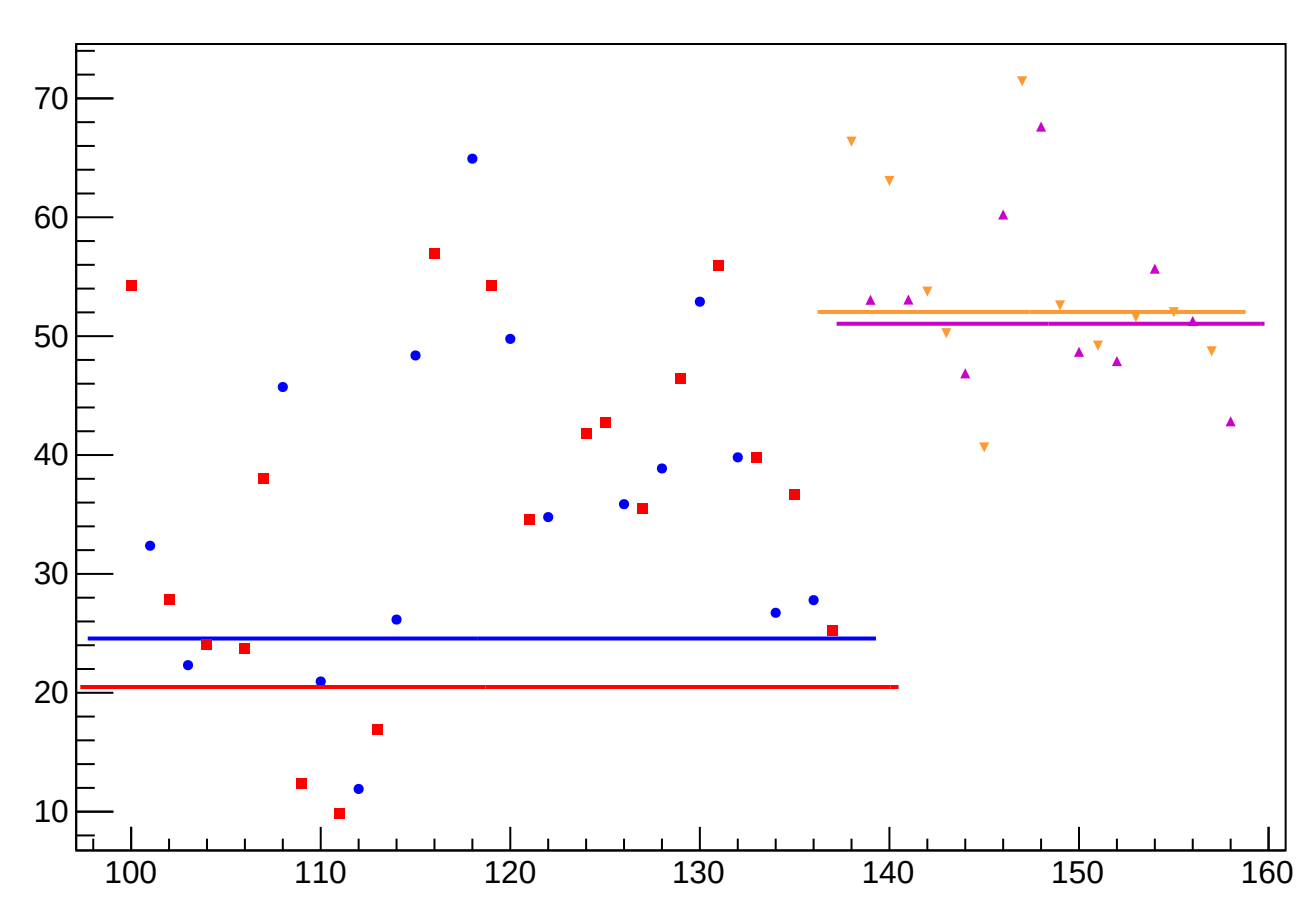
Left: -0.001+/-0.013 χ^2/NDF: 21.4/20

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.009 χ^2/NDF:25.9/25

Out: -0.004+/-0.008 χ^2/NDF:23.5/29

All: 0.006+/-0.006 χ^2/NDF: 52.8/55



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381500.4/10

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.043+/-0.012 χ^2/NDF:242591.7/9

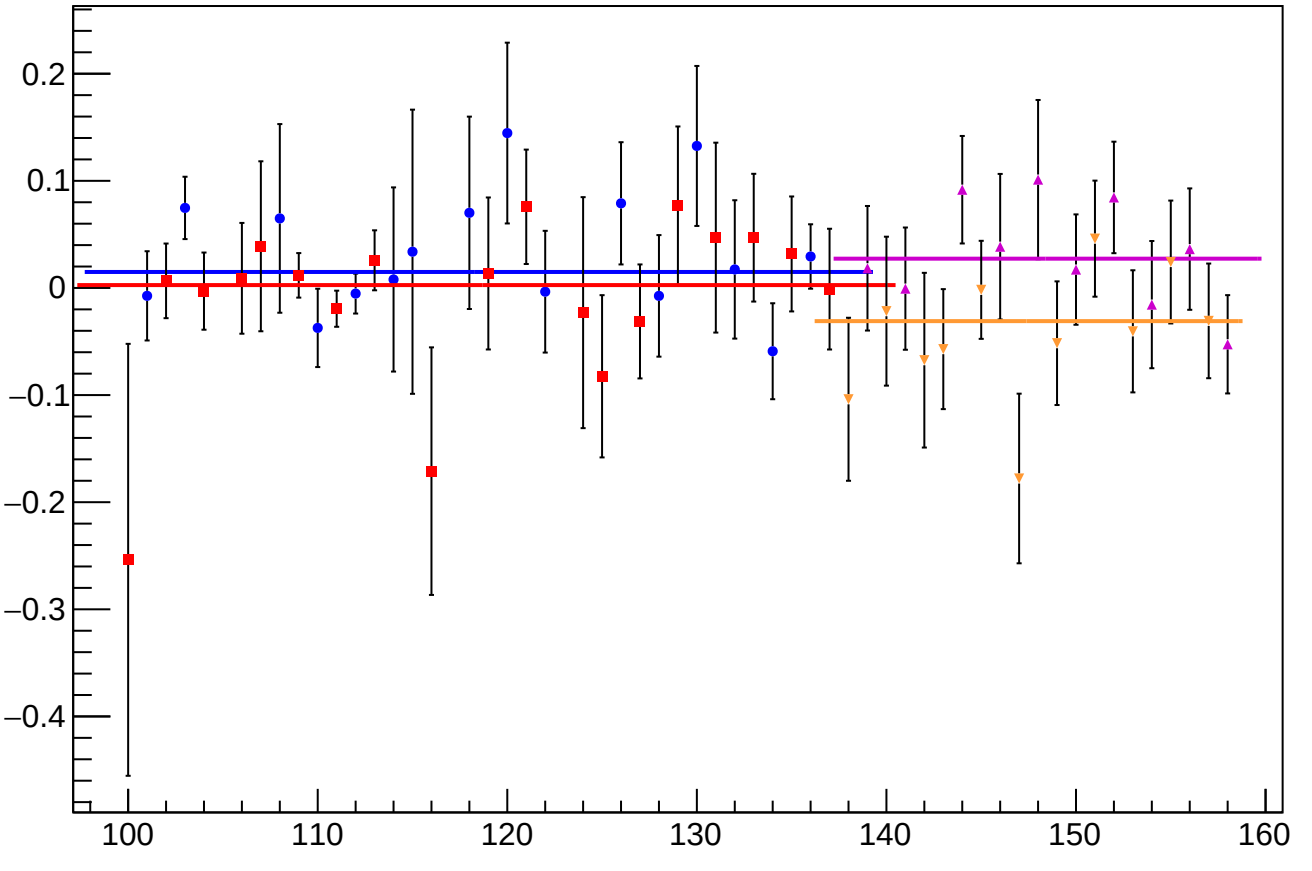
Left: 51.529+/-0.009 χ^2/NDF: 627187.4/20

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 31.577+/-0.006 χ^2/NDF:6039779.0/25

Out: 27.052+/-0.006 χ^2/NDF:8832000.9/29

All: 29.088+/-0.004 χ^2/NDF: 15145121.5/55



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.018 χ^2/NDF:8.3/10

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.027+/-0.018 χ^2/NDF:7.7/9

Left: -0.001+/-0.013 χ^2/NDF: 21.4/20

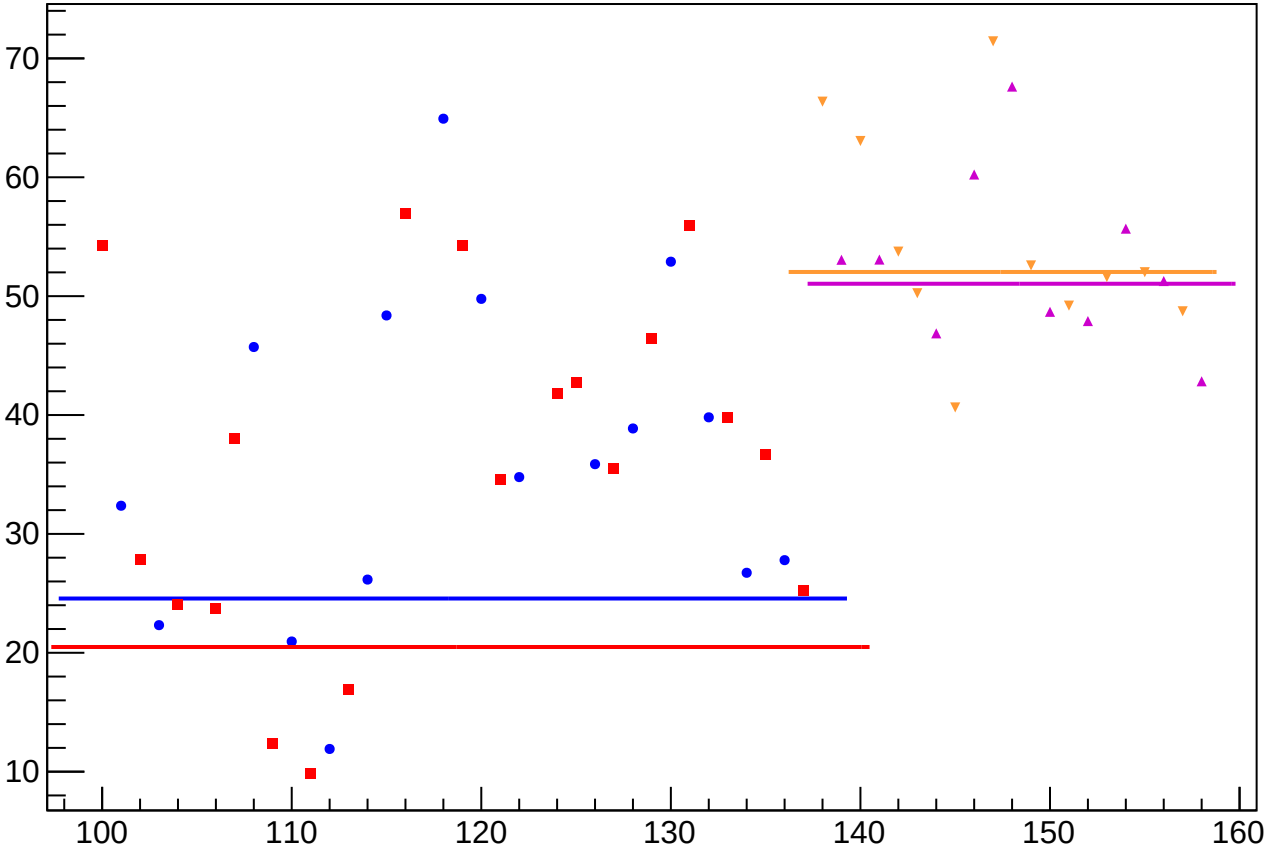
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.009 χ^2/NDF:25.9/25

Out: -0.004+/-0.008 χ^2/NDF:23.5/29

All: 0.006+/-0.006 χ^2/NDF: 52.8/55

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381500.4/10

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.043+/-0.012 χ^2/NDF:242591.7/9

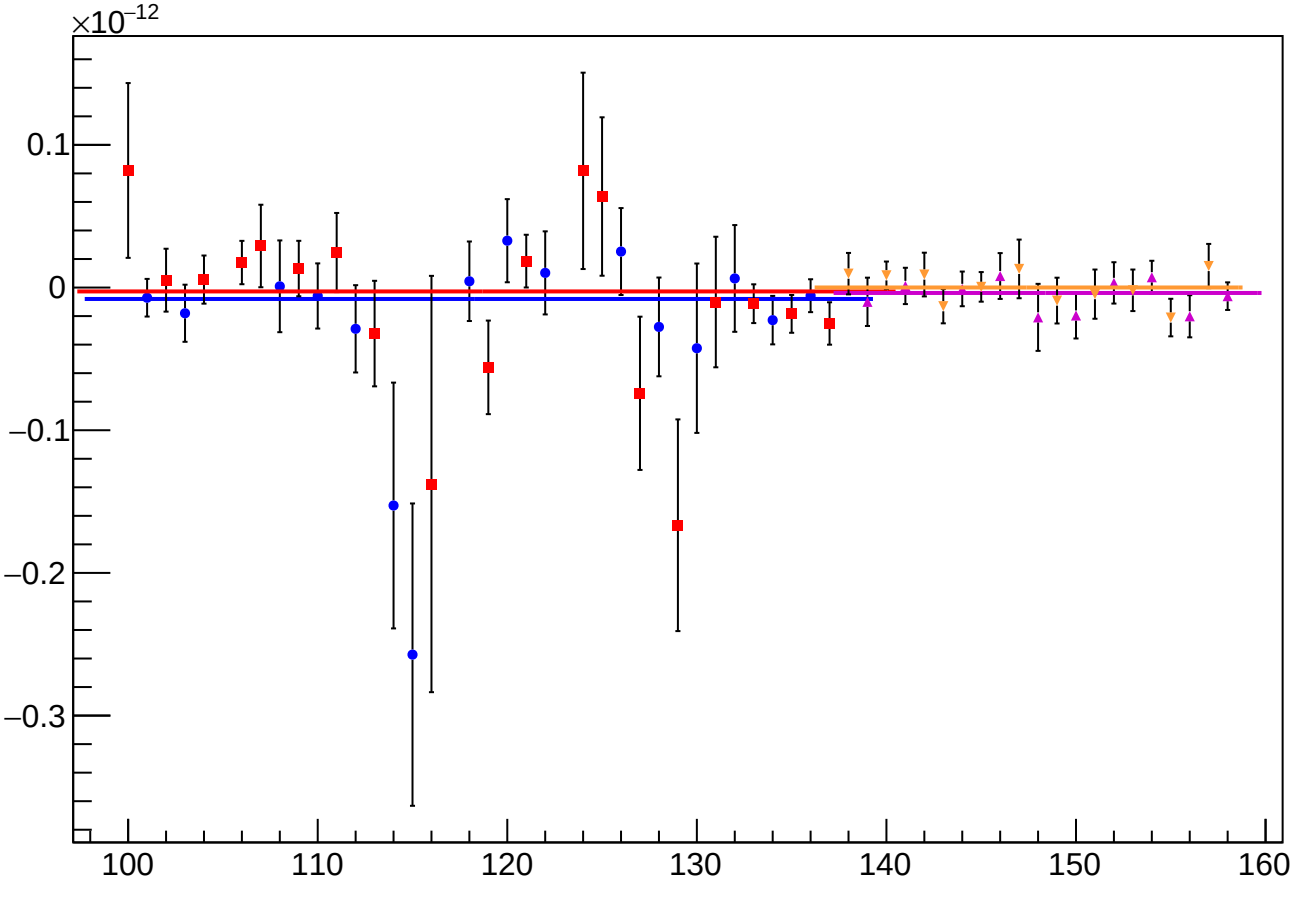
Left: 51.529+/-0.009 χ^2/NDF: 627187.4/20

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 31.577+/-0.006 χ^2/NDF:6039779.0/25

Out: 27.052+/-0.006 χ^2/NDF:8832000.9/29

All: 29.088+/-0.004 χ^2/NDF: 15145121.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/9

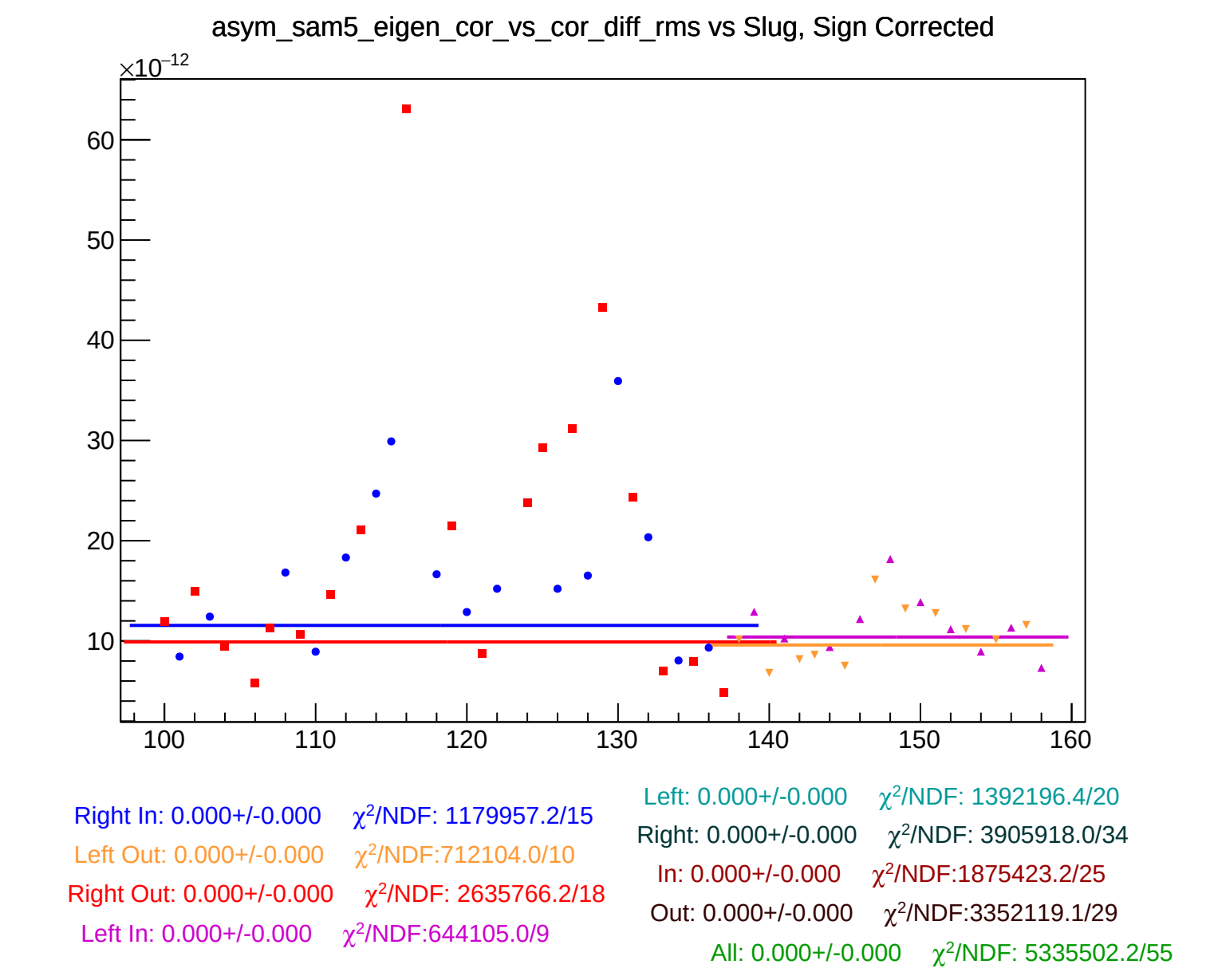
Left: -0.000+/-0.000 χ^2/NDF: 12.3/20

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

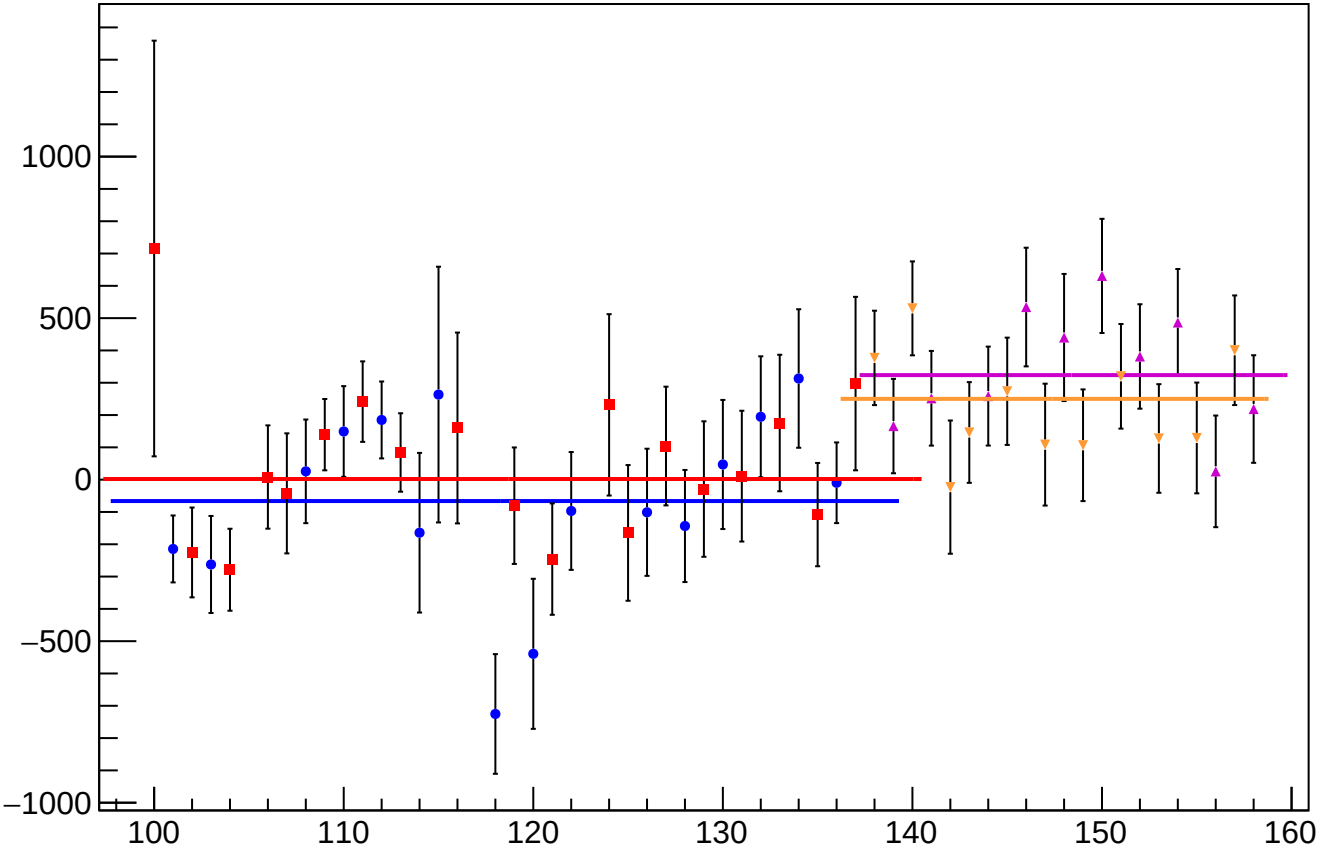
In: -0.000+/-0.000 χ^2/NDF:19.7/25

Out: -0.000+/-0.000 χ^2/NDF:33.4/29

All: -0.000+/-0.000 χ^2/NDF: 53.9/55


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:712104.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:644105.0/9
Left: 0.000+/-0.000 χ²/NDF: 1392196.4/20
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1875423.2/25
Out: 0.000+/-0.000 χ²/NDF:3352119.1/29
All: 0.000+/-0.000 χ²/NDF: 5335502.2/55

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 250.096+/-50.068 χ^2/NDF:9.9/10

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 323.642+/-52.140 χ^2/NDF:10.7/9

Left: 285.379+/-36.114 χ^2/NDF: 21.7/20

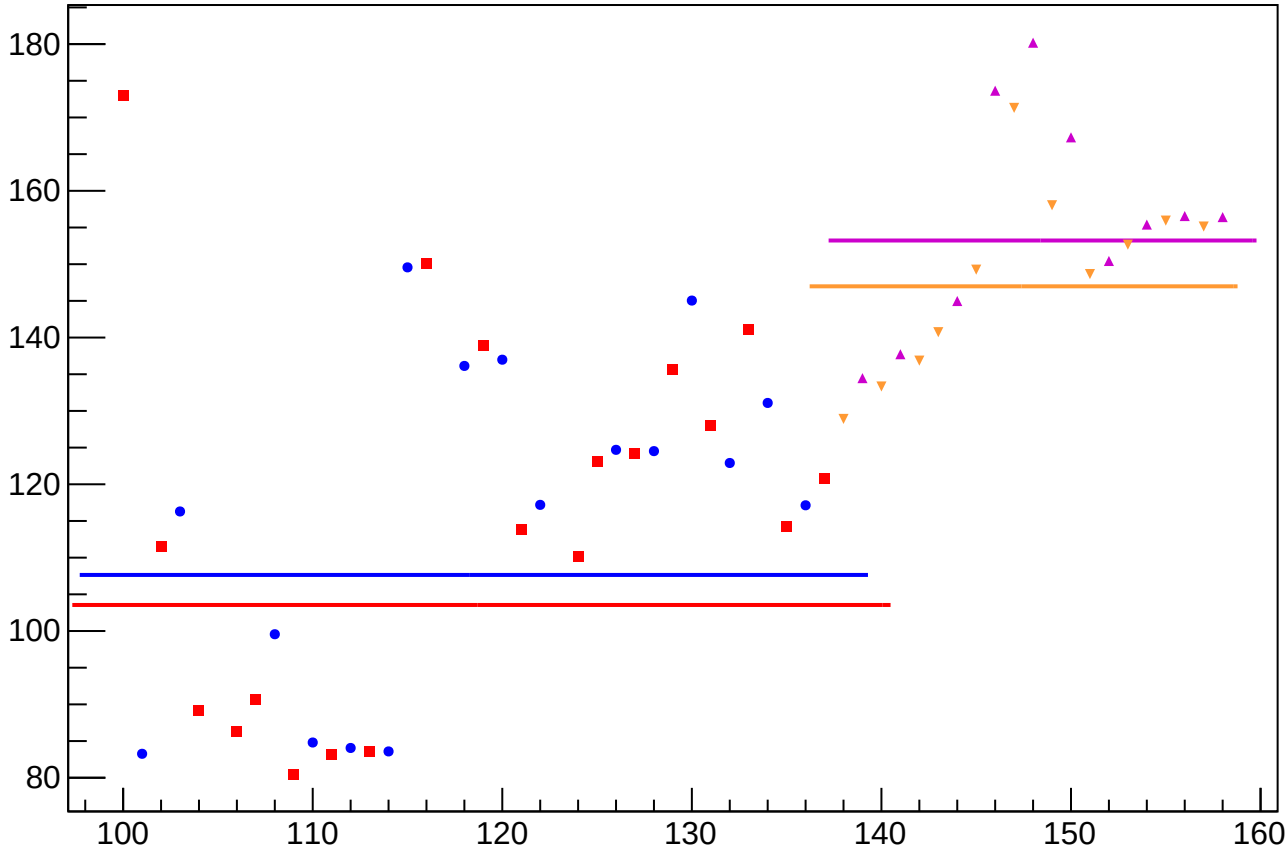
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 82.451+/-32.199 χ^2/NDF:79.7/25

Out: 95.298+/-30.702 χ^2/NDF:46.4/29

All: 89.180+/-22.220 χ^2/NDF: 126.2/55

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 146.983+/-0.035 χ^2/NDF:110637.4/10

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

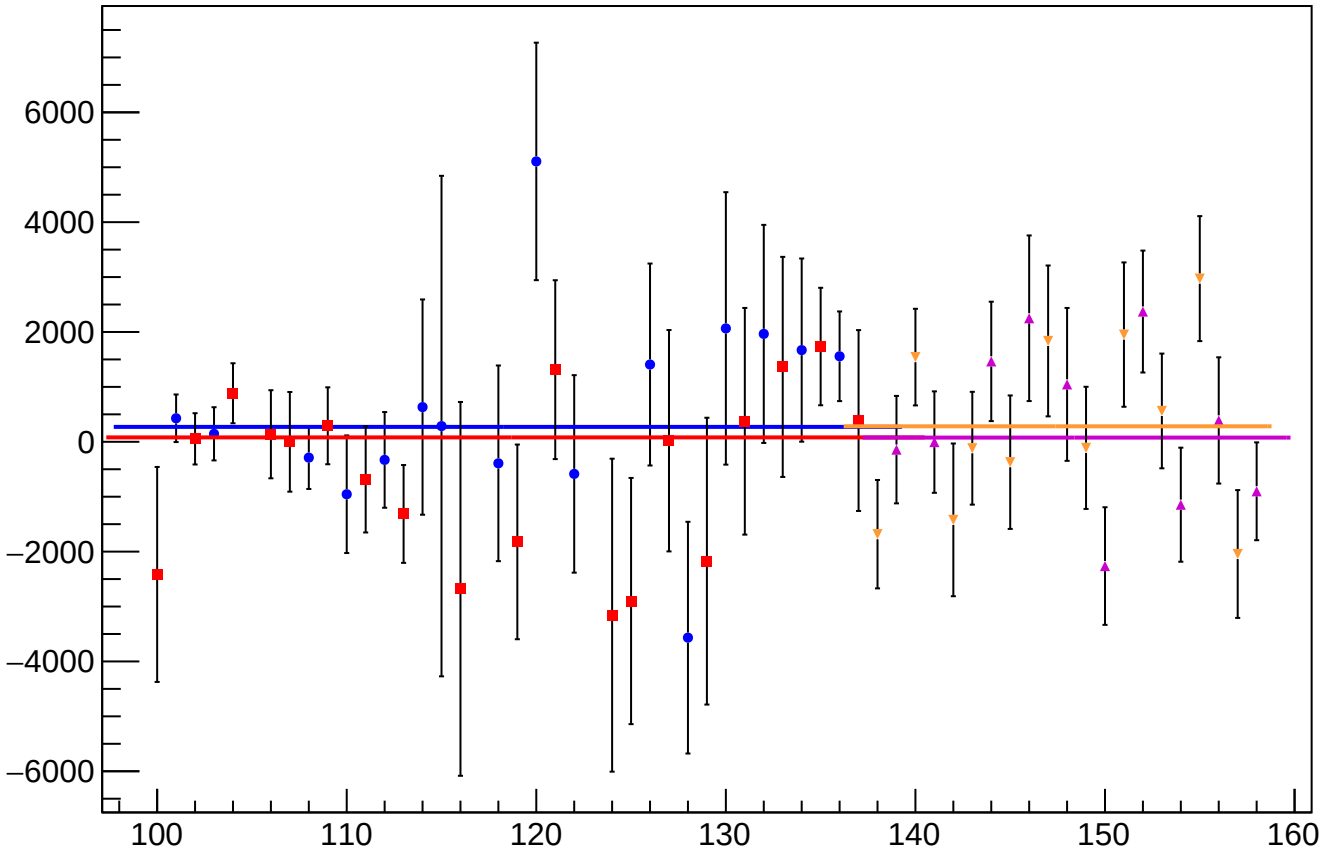
Left: 149.980+/-0.026 χ^2/NDF: 264039.5/20

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 125.028+/-0.023 χ^2/NDF:1617038.3/25

Out: 119.881+/-0.022 χ^2/NDF:1667126.8/29

All: 122.332+/-0.016 χ^2/NDF: 3310934.6/55



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 282.055+/-337.039 χ^2/NDF:20.6/10

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 76.386+/-340.122 χ^2/NDF:16.0/9

Left: 180.157+/-239.405 χ^2/NDF: 36.8/20

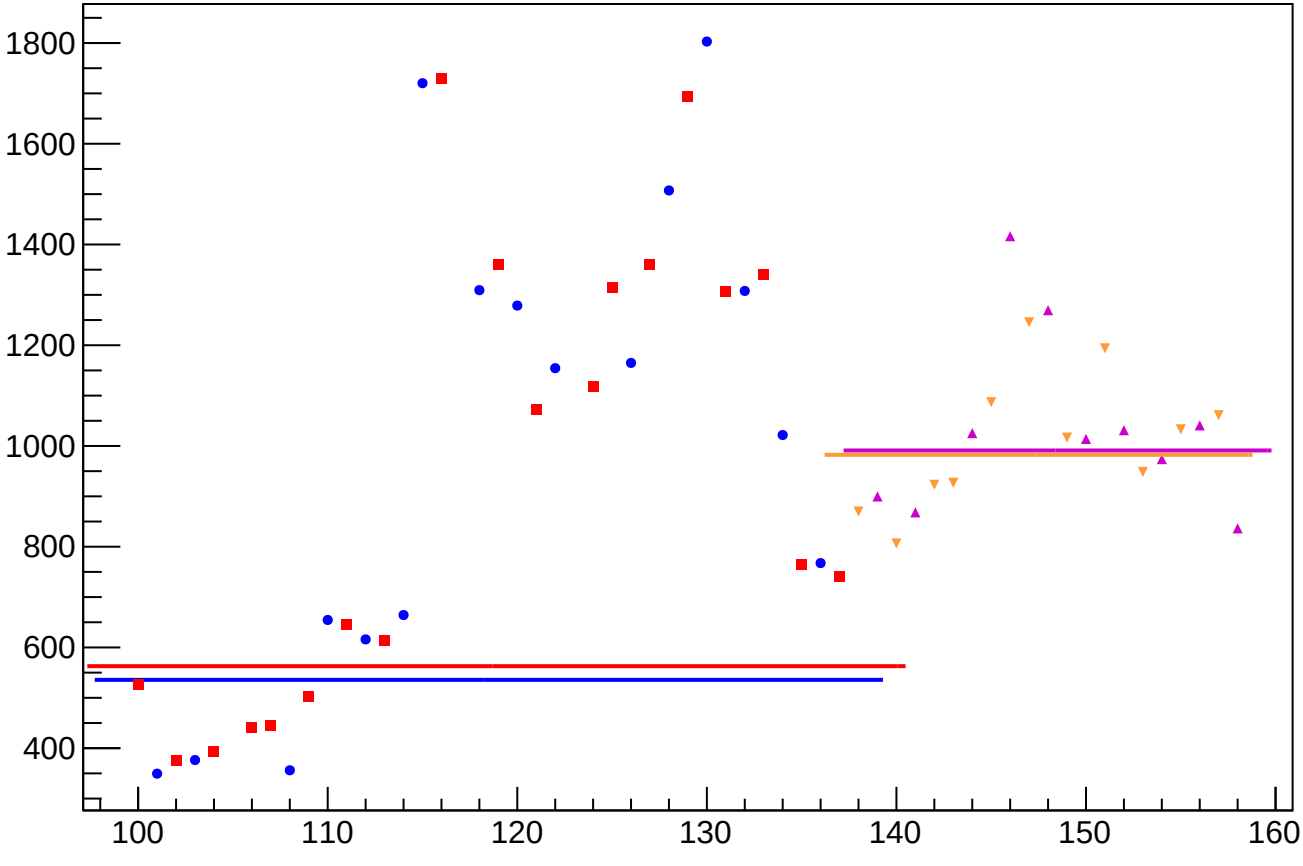
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 210.036+/-190.903 χ^2/NDF:32.7/25

Out: 145.082+/-191.188 χ^2/NDF:36.9/29

All: 177.608+/-135.089 χ^2/NDF: 69.6/55

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 982.424+/-0.238 χ^2/NDF:272501.5/10

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 991.074+/-0.241 χ^2/NDF:362122.1/9

Left: 986.709+/-0.169 χ^2/NDF: 635276.2/20

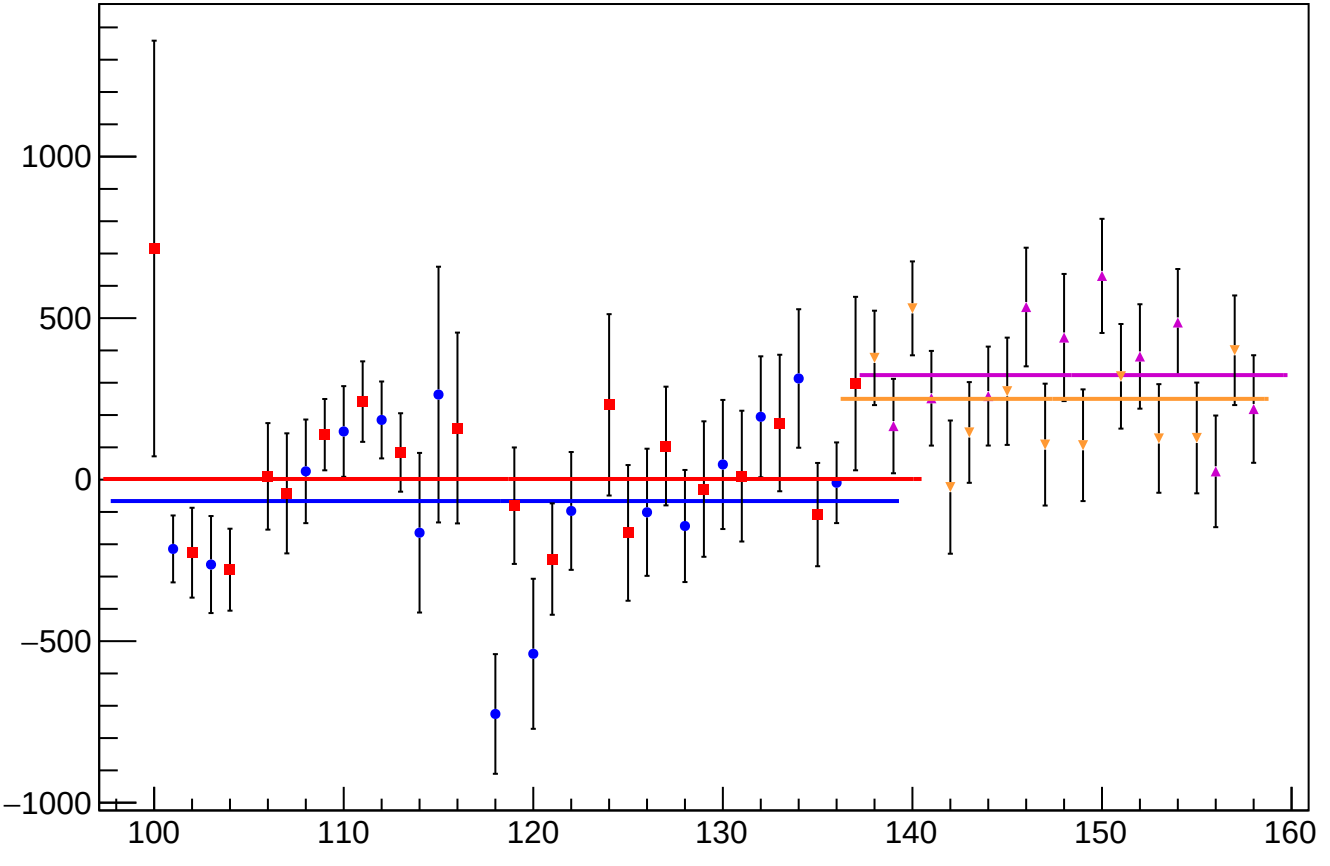
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 679.146+/-0.135 χ^2/NDF:6450350.5/25

Out: 697.858+/-0.135 χ^2/NDF:5485694.5/29

All: 688.488+/-0.096 χ^2/NDF: 11945638.2/55

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 250.093+/-50.068 χ^2/NDF:9.9/10

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 323.643+/-52.140 χ^2/NDF:10.7/9

Left: 285.378+/-36.114 χ^2/NDF: 21.7/20

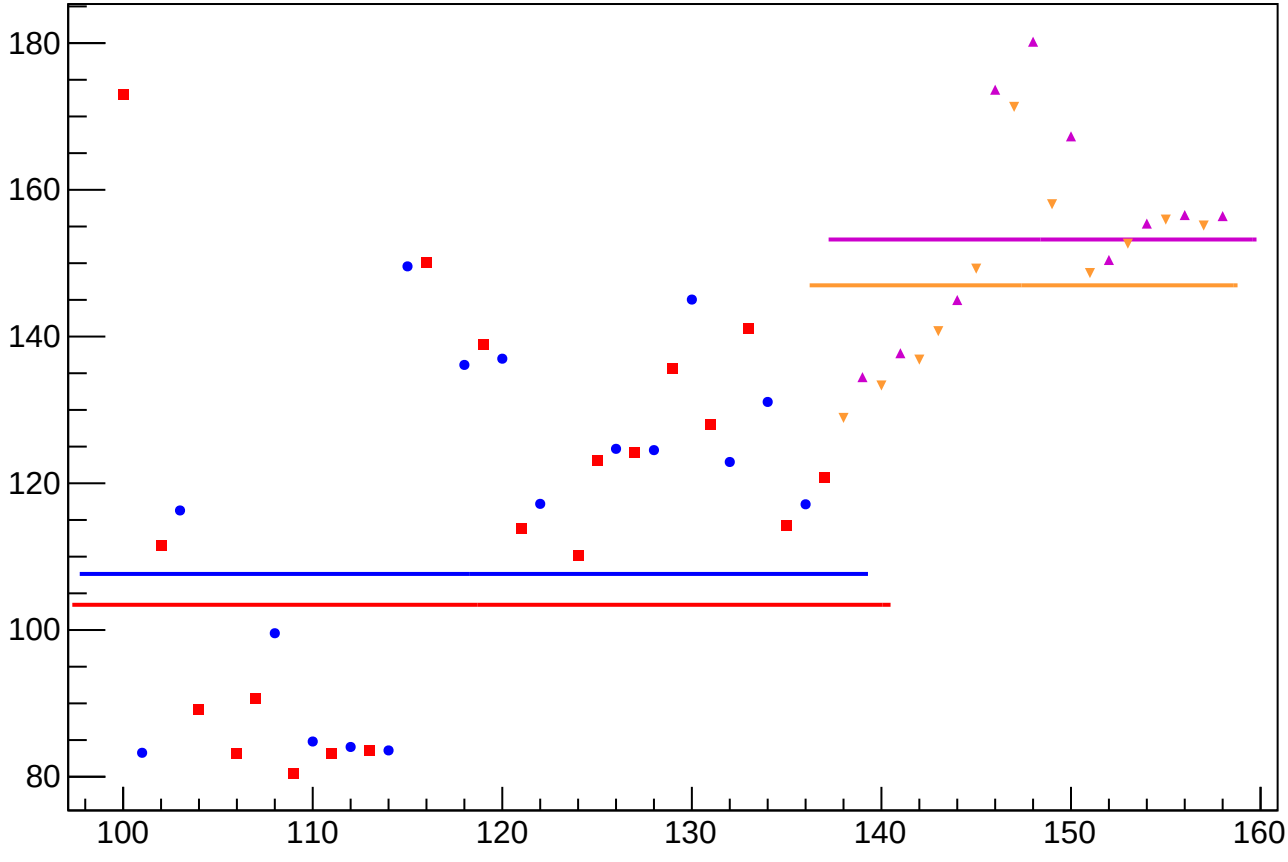
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 82.436+/-32.199 χ^2/NDF:79.7/25

Out: 95.535+/-30.736 χ^2/NDF:46.4/29

All: 89.289+/-22.233 χ^2/NDF: 126.2/55

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.983+/-0.035 χ^2/NDF:110637.4/10

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

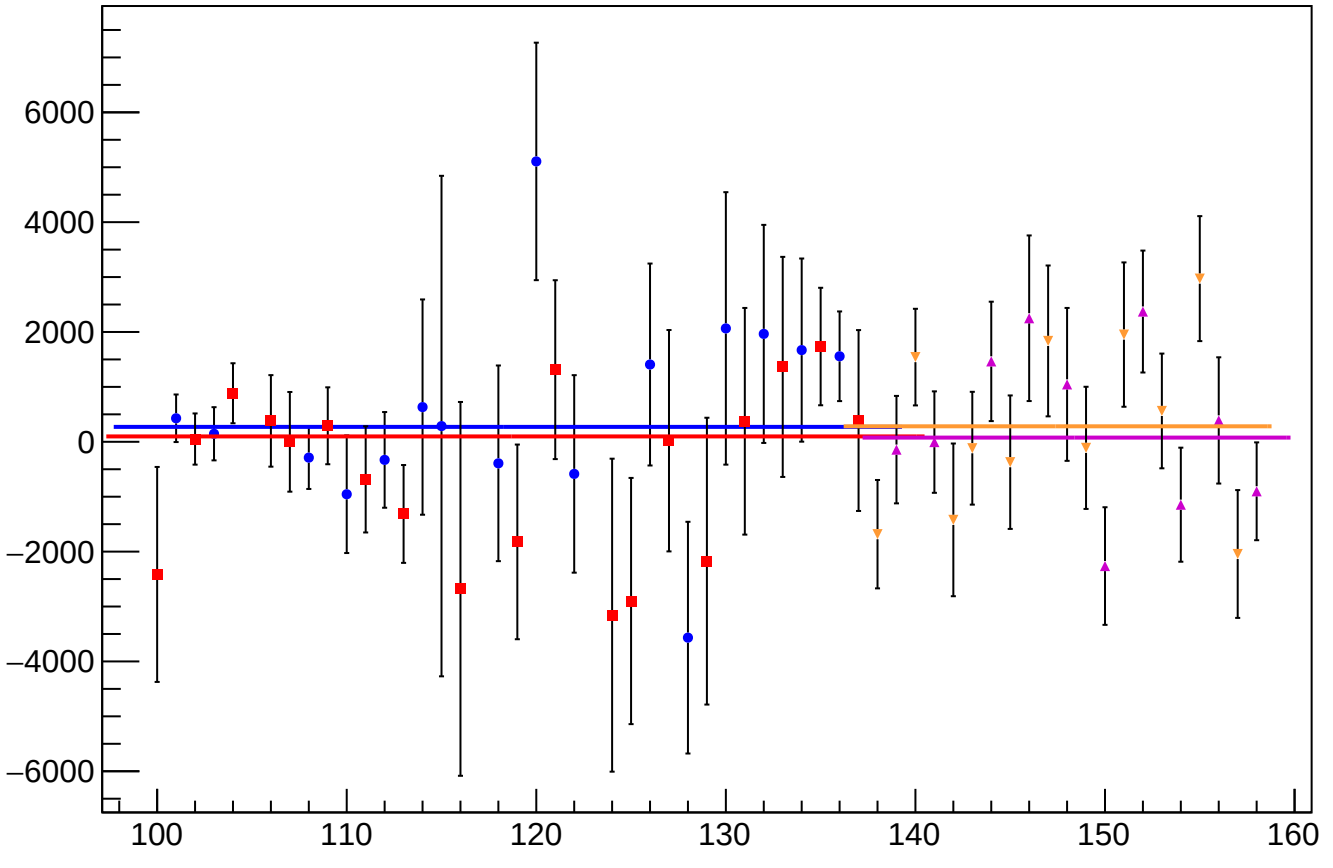
Left: 149.980+/-0.026 χ^2/NDF: 264039.5/20

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 125.028+/-0.023 χ^2/NDF:1617037.1/25

Out: 119.848+/-0.022 χ^2/NDF:1678103.3/29

All: 122.318+/-0.016 χ^2/NDF: 3322226.2/55



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 282.065+/-337.039 χ^2/NDF:20.6/10

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 76.381+/-340.122 χ^2/NDF:16.0/9

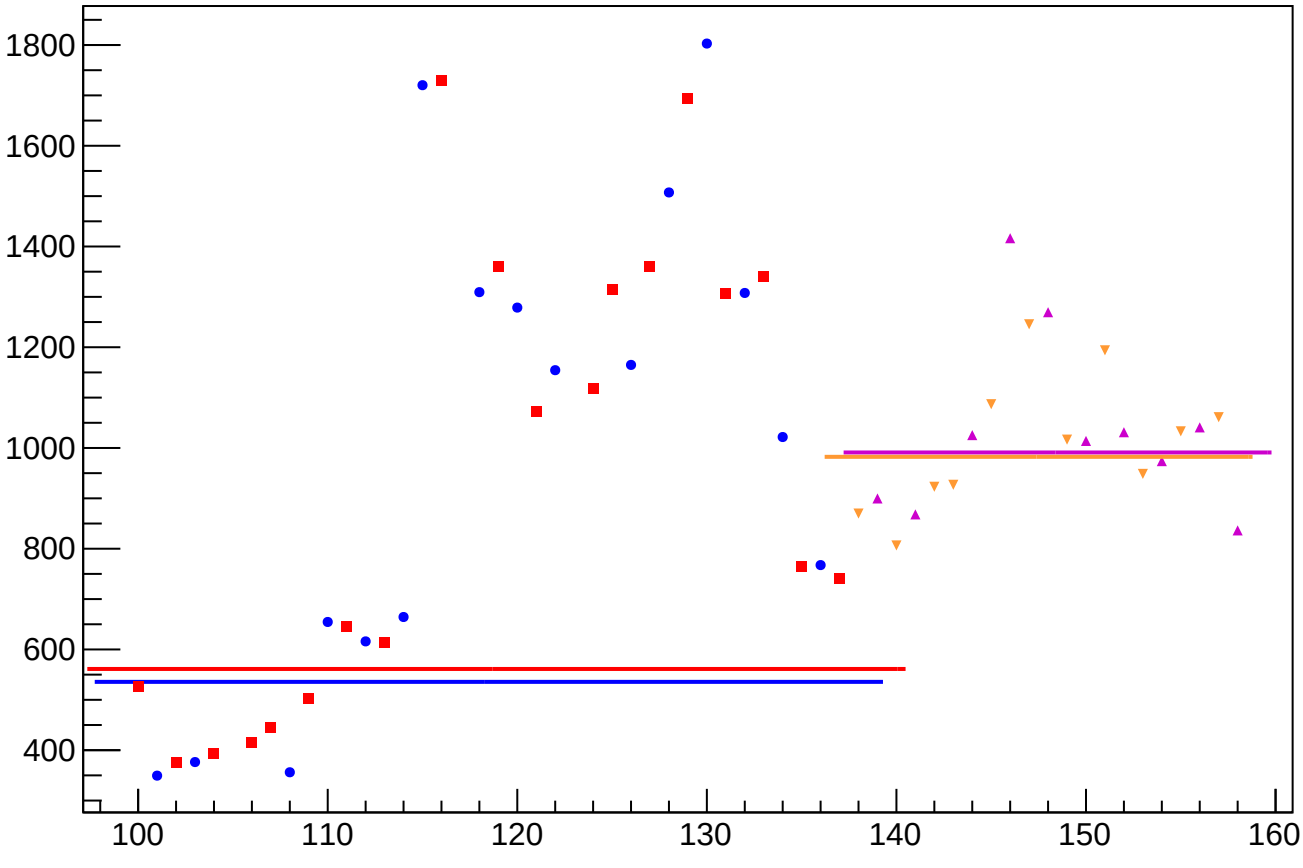
Left: 180.160+/-239.405 χ^2/NDF: 36.8/20

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 210.133+/-190.899 χ^2/NDF:32.7/25

Out: 157.342+/-191.538 χ^2/NDF:37.0/29

All: 183.826+/-135.211 χ^2/NDF: 69.7/55



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 982.424+/-0.238 χ^2/NDF:272502.1/10

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 991.074+/-0.241 χ^2/NDF:362121.5/9

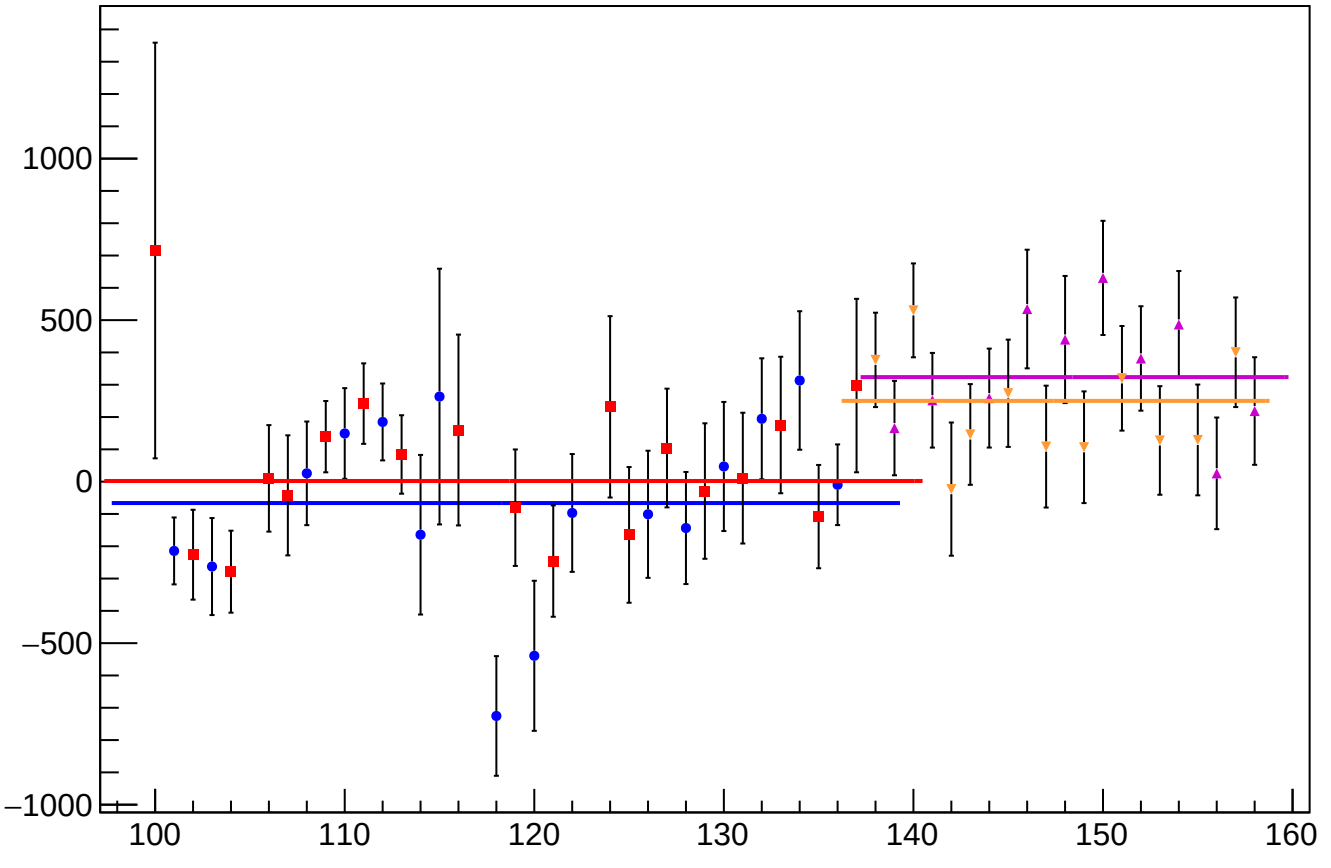
Left: 986.710+/-0.169 χ^2/NDF: 635276.3/20

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 679.125+/-0.135 χ^2/NDF:6450833.9/25

Out: 697.286+/-0.135 χ^2/NDF:5517562.2/29

All: 688.175+/-0.096 χ^2/NDF: 11977415.9/55



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 250.093+/-50.068 χ^2/NDF:9.9/10

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 323.643+/-52.140 χ^2/NDF:10.7/9

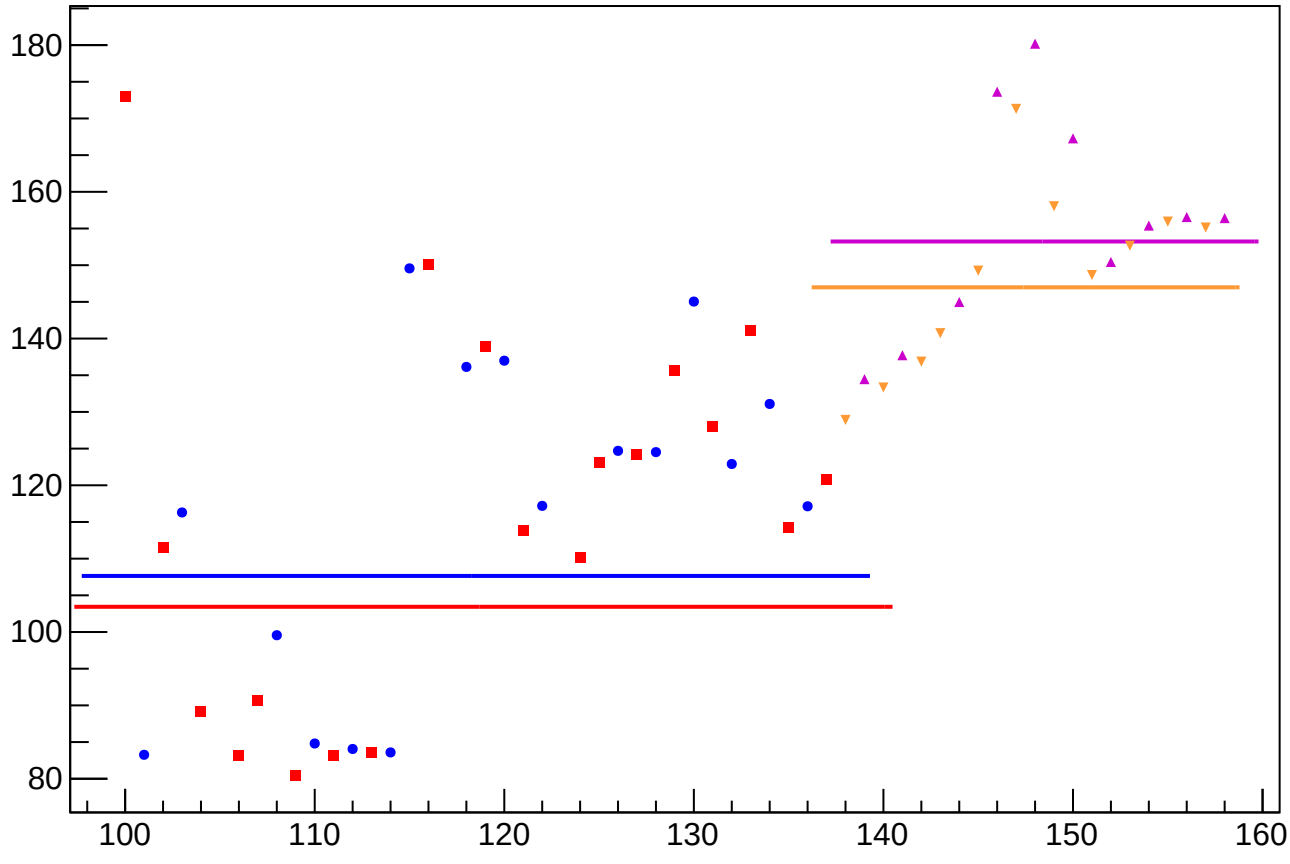
Left: 285.378+/-36.114 χ^2/NDF: 21.7/20

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 82.436+/-32.199 χ^2/NDF:79.7/25

Out: 95.535+/-30.736 χ^2/NDF:46.4/29

All: 89.289+/-22.233 χ^2/NDF: 126.2/55



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.983+/-0.035 χ^2/NDF:110637.4/10

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

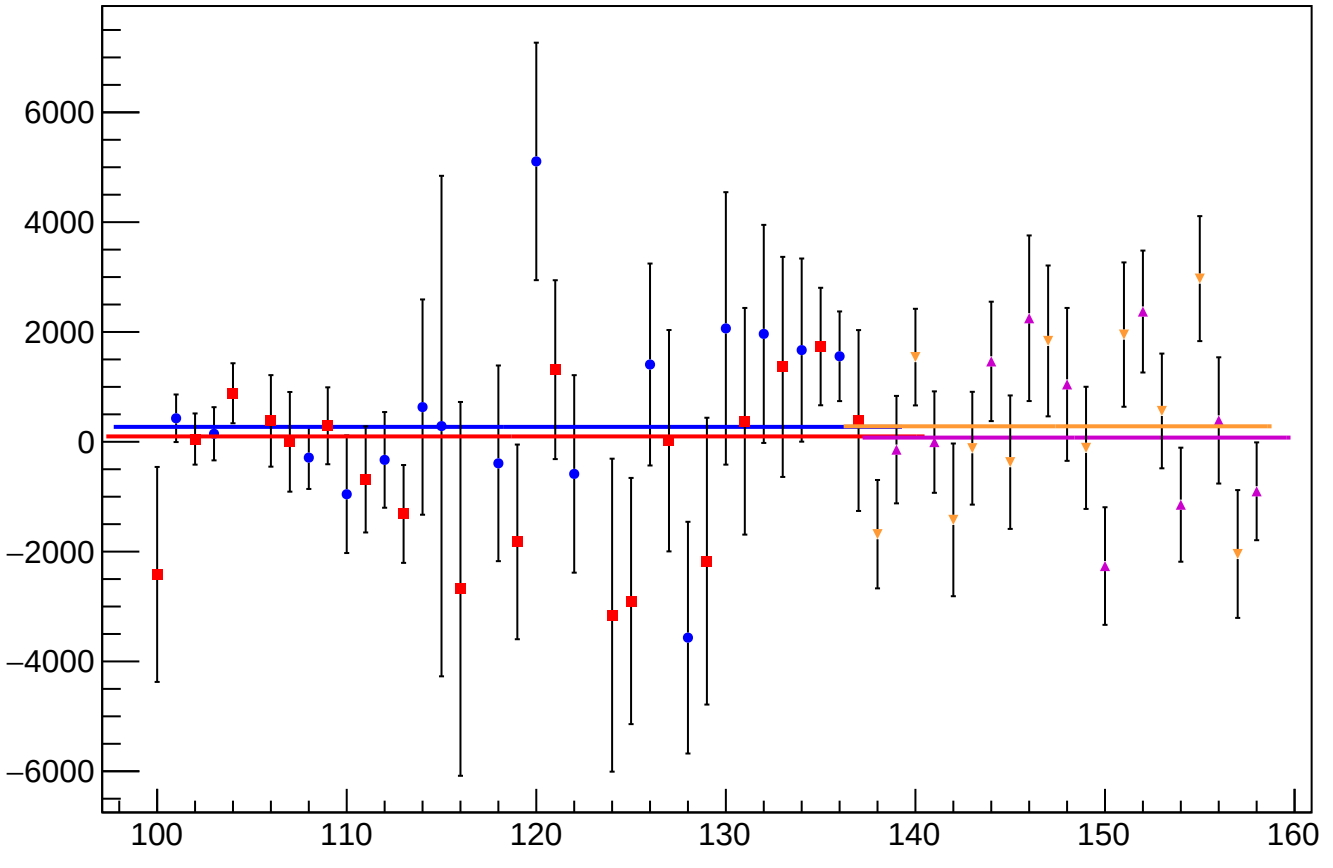
Left: 149.980+/-0.026 χ^2/NDF: 264039.5/20

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 125.028+/-0.023 χ^2/NDF:1617037.1/25

Out: 119.848+/-0.022 χ^2/NDF:1678103.3/29

All: 122.318+/-0.016 χ^2/NDF: 3322226.2/55



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 282.065+/-337.039 χ^2/NDF:20.6/10

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 76.381+/-340.122 χ^2/NDF:16.0/9

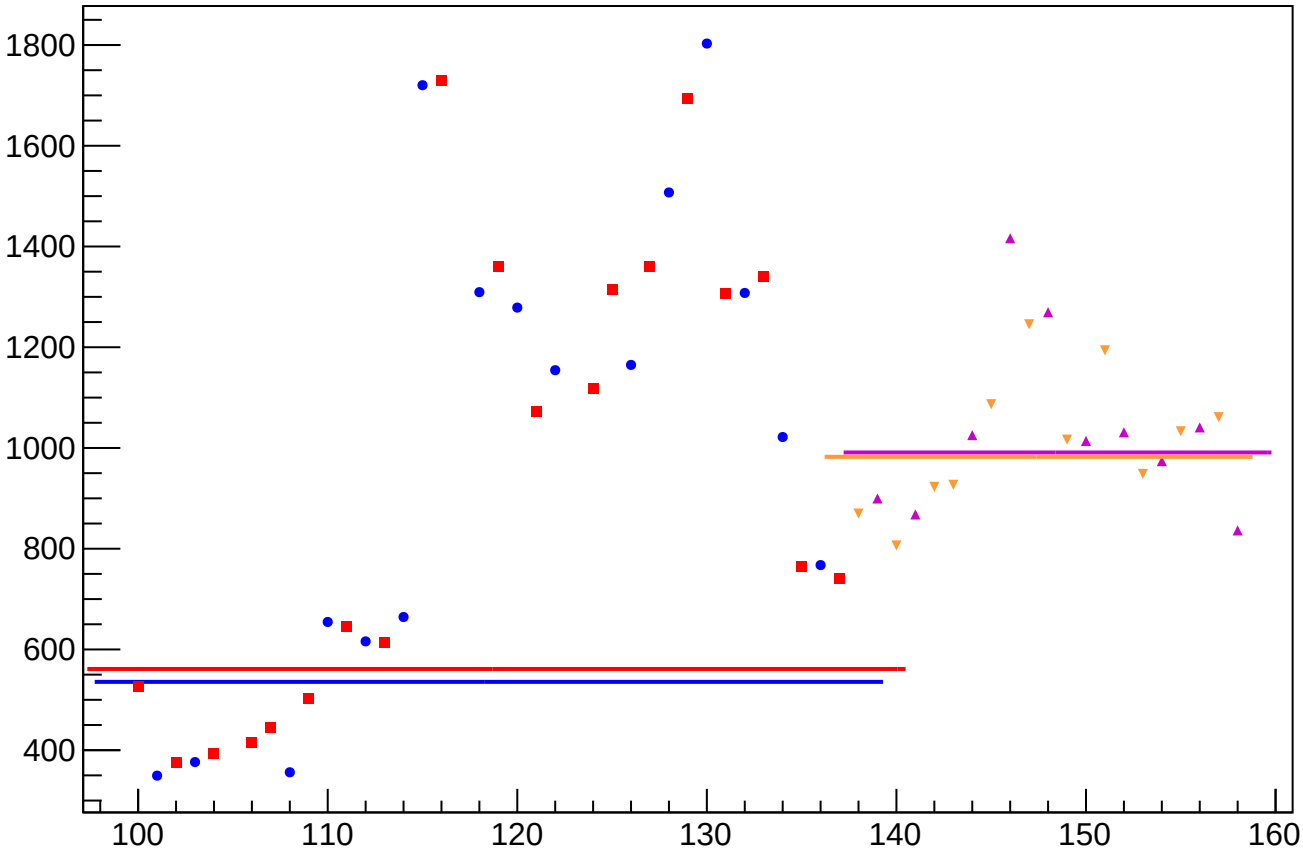
Left: 180.160+/-239.405 χ^2/NDF: 36.8/20

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 210.133+/-190.899 χ^2/NDF:32.7/25

Out: 157.342+/-191.538 χ^2/NDF:37.0/29

All: 183.826+/-135.211 χ^2/NDF: 69.7/55



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 982.424+/-0.238 χ^2/NDF:272502.1/10

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 991.074+/-0.241 χ^2/NDF:362121.5/9

Left: 986.710+/-0.169 χ^2/NDF: 635276.3/20

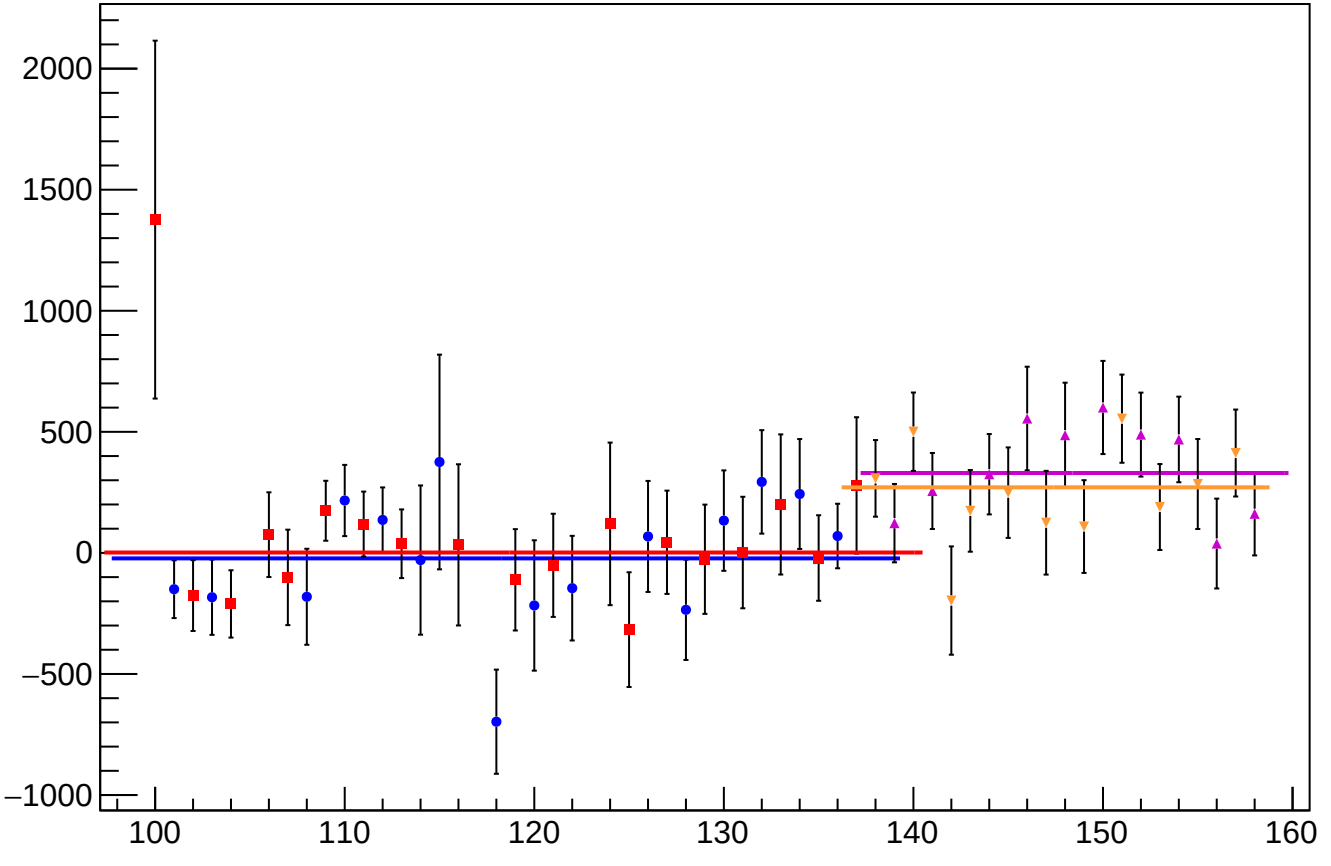
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 679.125+/-0.135 χ^2/NDF:6450833.9/25

Out: 697.286+/-0.135 χ^2/NDF:5517562.2/29

All: 688.175+/-0.096 χ^2/NDF: 11977415.9/55

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 270.843+/-54.820 χ^2/NDF:11.2/10

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 330.012+/-56.498 χ^2/NDF:10.3/9

Left: 299.535+/-39.343 χ^2/NDF: 22.1/20

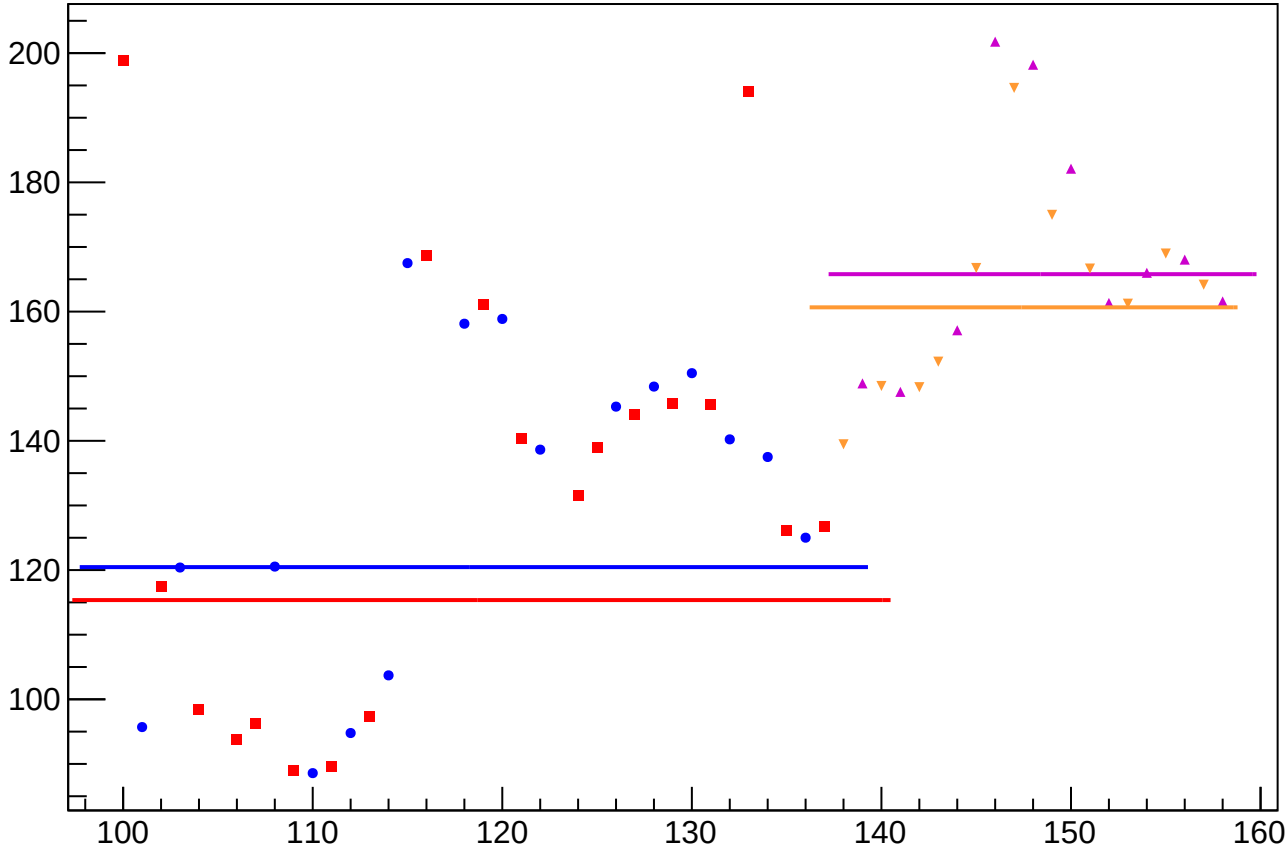
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 117.581+/-35.629 χ^2/NDF:58.0/25

Out: 105.813+/-34.106 χ^2/NDF:40.3/29

All: 111.440+/-24.637 χ^2/NDF: 98.4/55

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 160.658+/-0.039 χ^2/NDF:128758.8/10

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 165.792+/-0.040 χ^2/NDF:172673.0/9

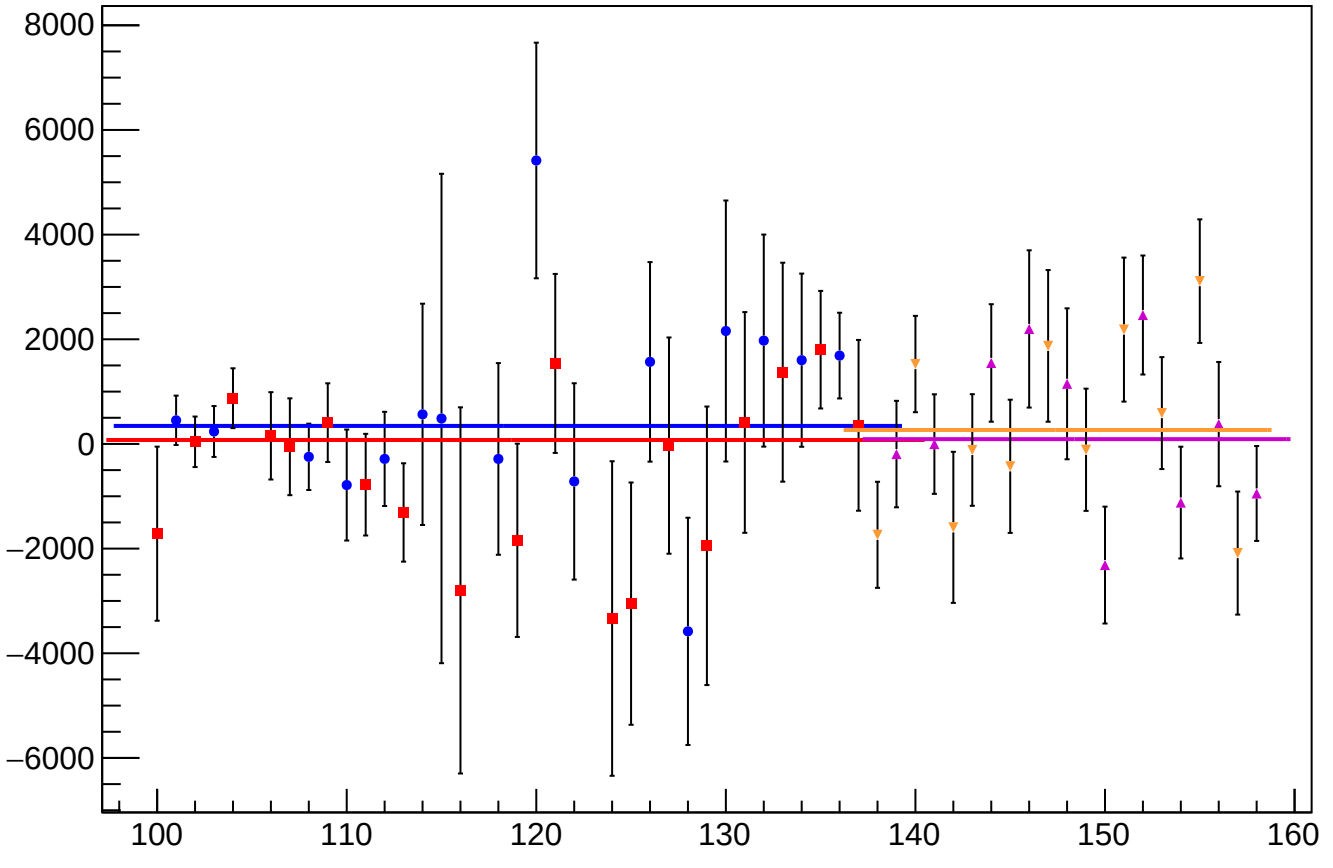
Left: 163.148+/-0.028 χ^2/NDF: 309938.0/20

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 138.487+/-0.025 χ^2/NDF:1478585.6/25

Out: 132.891+/-0.024 χ^2/NDF:1733117.8/29

All: 135.567+/-0.017 χ^2/NDF: 3237445.2/55



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 266.842+/-349.578 χ^2/NDF:21.0/10

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 91.506+/-349.939 χ^2/NDF:15.9/9

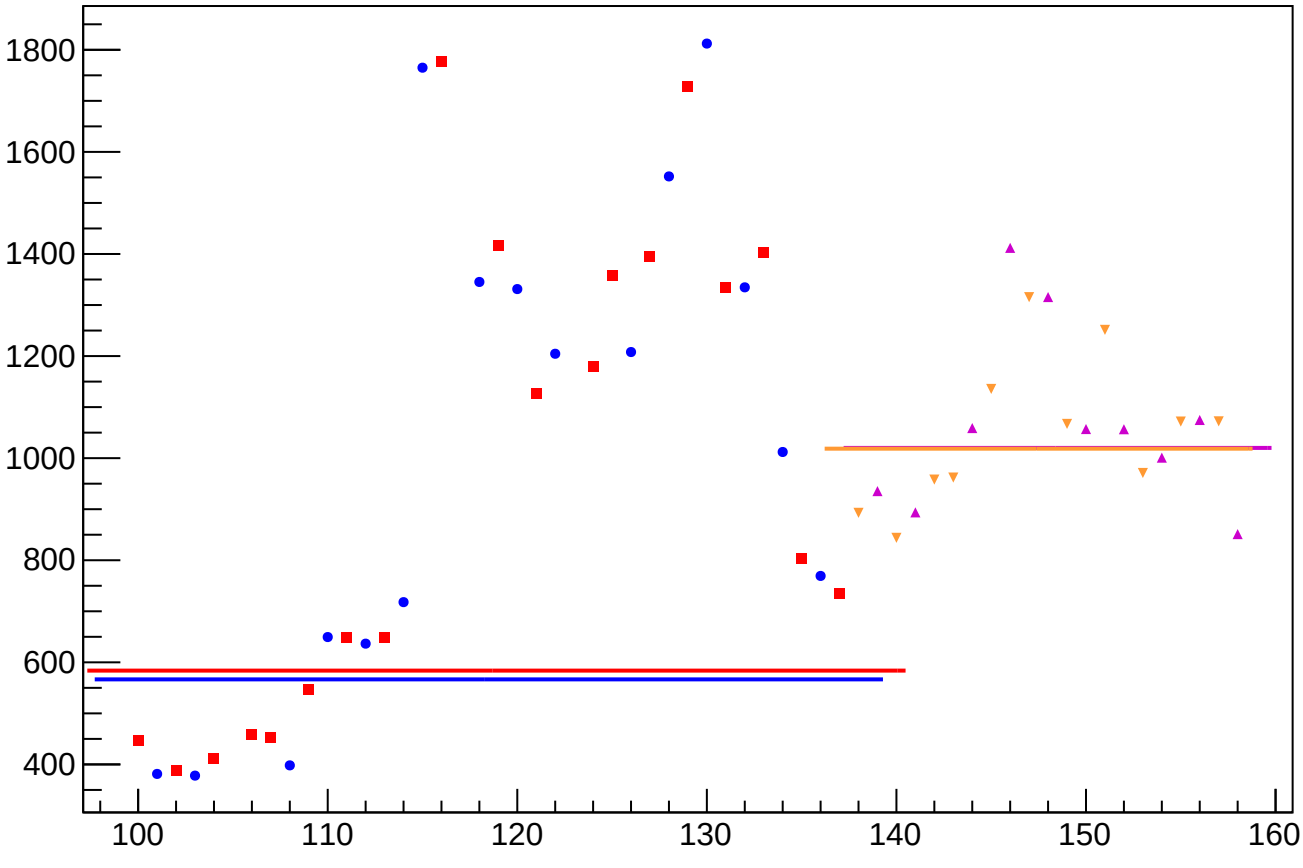
Left: 179.264+/-247.316 χ^2/NDF: 37.1/20

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 262.823+/-198.780 χ^2/NDF:32.5/25

Out: 136.918+/-198.127 χ^2/NDF:36.5/29

All: 199.663+/-140.327 χ^2/NDF: 69.2/55



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1018.586+/-0.247 χ^2/NDF:285554.0/10

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1020.073+/-0.247 χ^2/NDF:350024.2/9

Left: 1019.329+/-0.175 χ^2/NDF: 635596.3/20

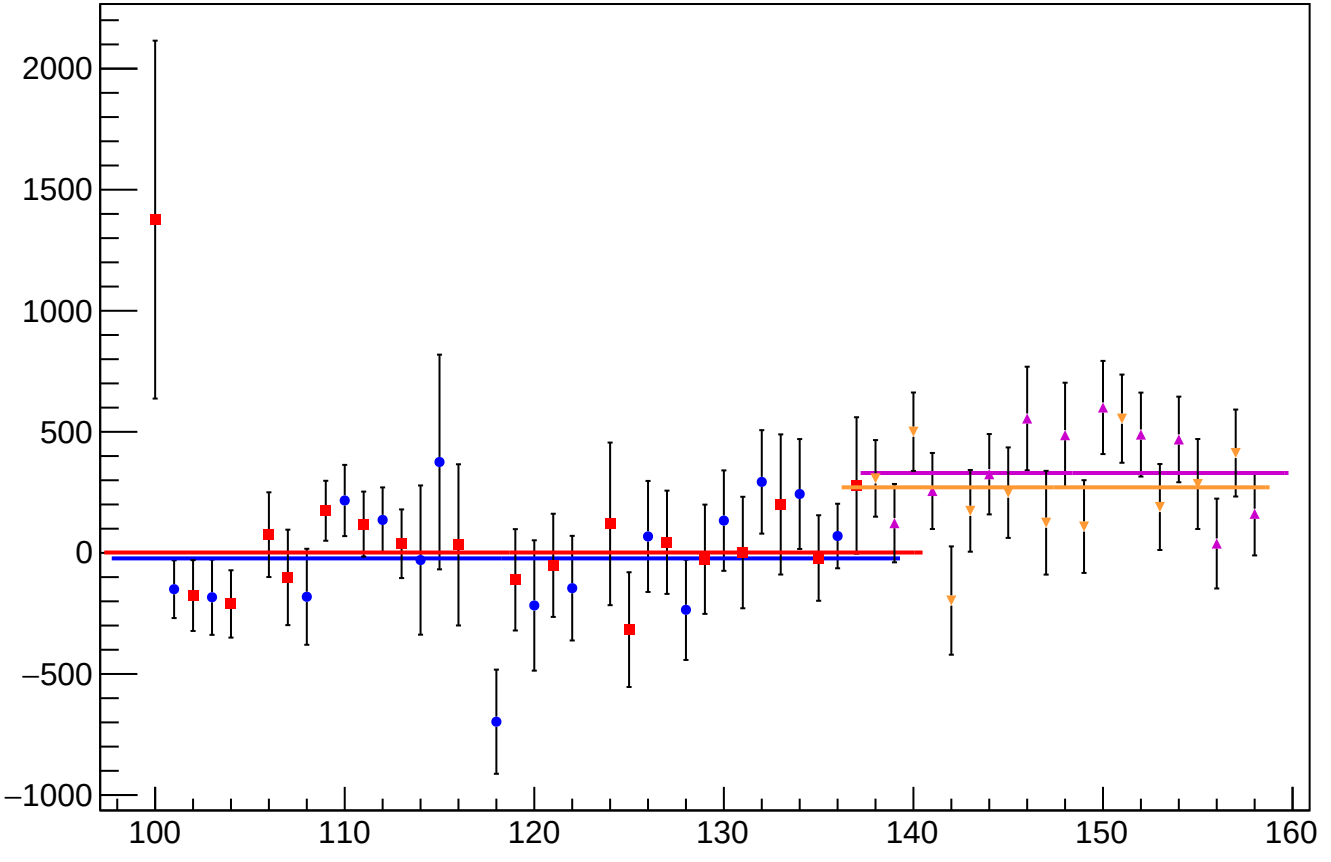
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 712.926+/-0.141 χ^2/NDF:6057252.9/25

Out: 723.457+/-0.140 χ^2/NDF:5493150.5/29

All: 718.209+/-0.099 χ^2/NDF: 11553219.3/55

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 270.844+/-54.820 χ^2/NDF:11.2/10

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 330.012+/-56.498 χ^2/NDF:10.3/9

Left: 299.536+/-39.343 χ^2/NDF: 22.1/20

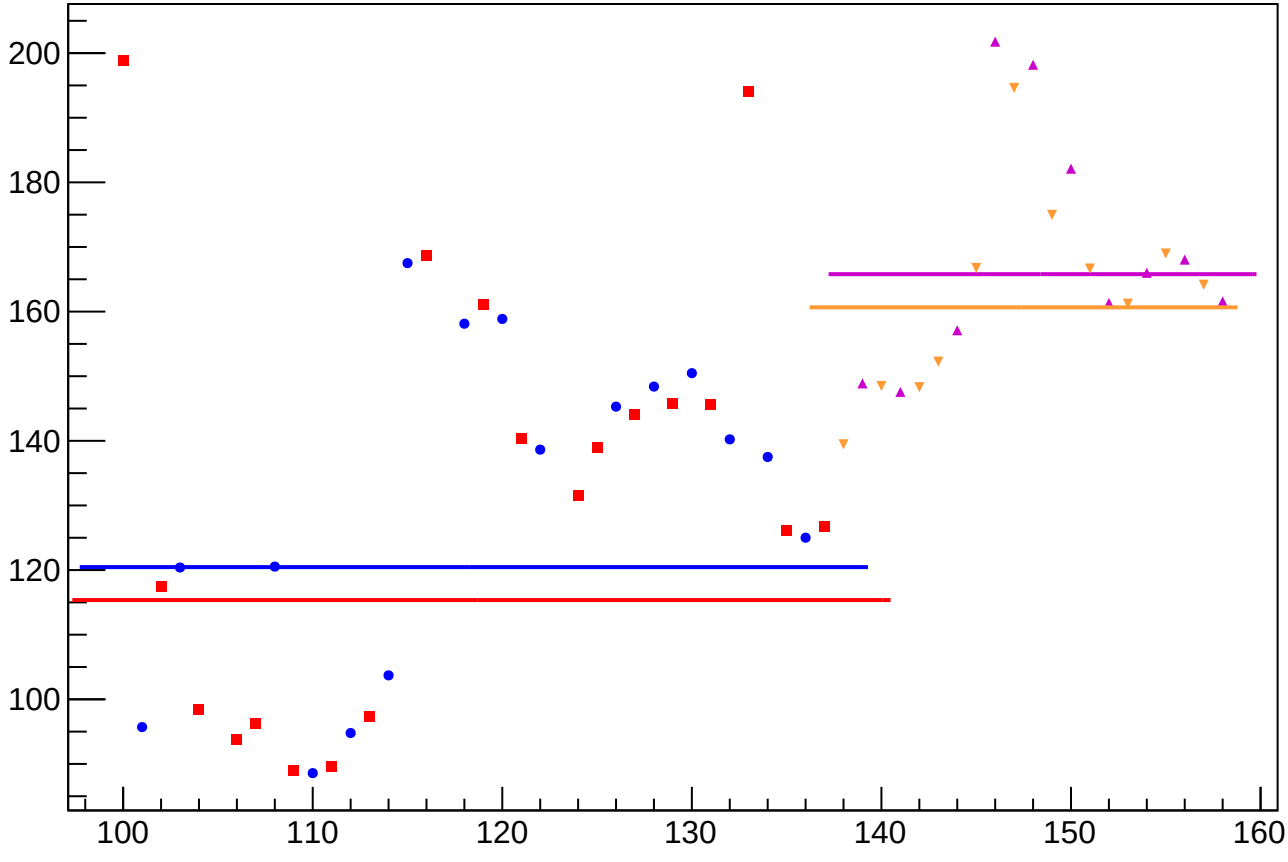
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 117.579+/-35.629 χ^2/NDF:58.0/25

Out: 105.814+/-34.106 χ^2/NDF:40.3/29

All: 111.440+/-24.637 χ^2/NDF: 98.4/55

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 160.658+/-0.039 χ^2/NDF:128757.9/10

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 165.792+/-0.040 χ^2/NDF:172673.4/9

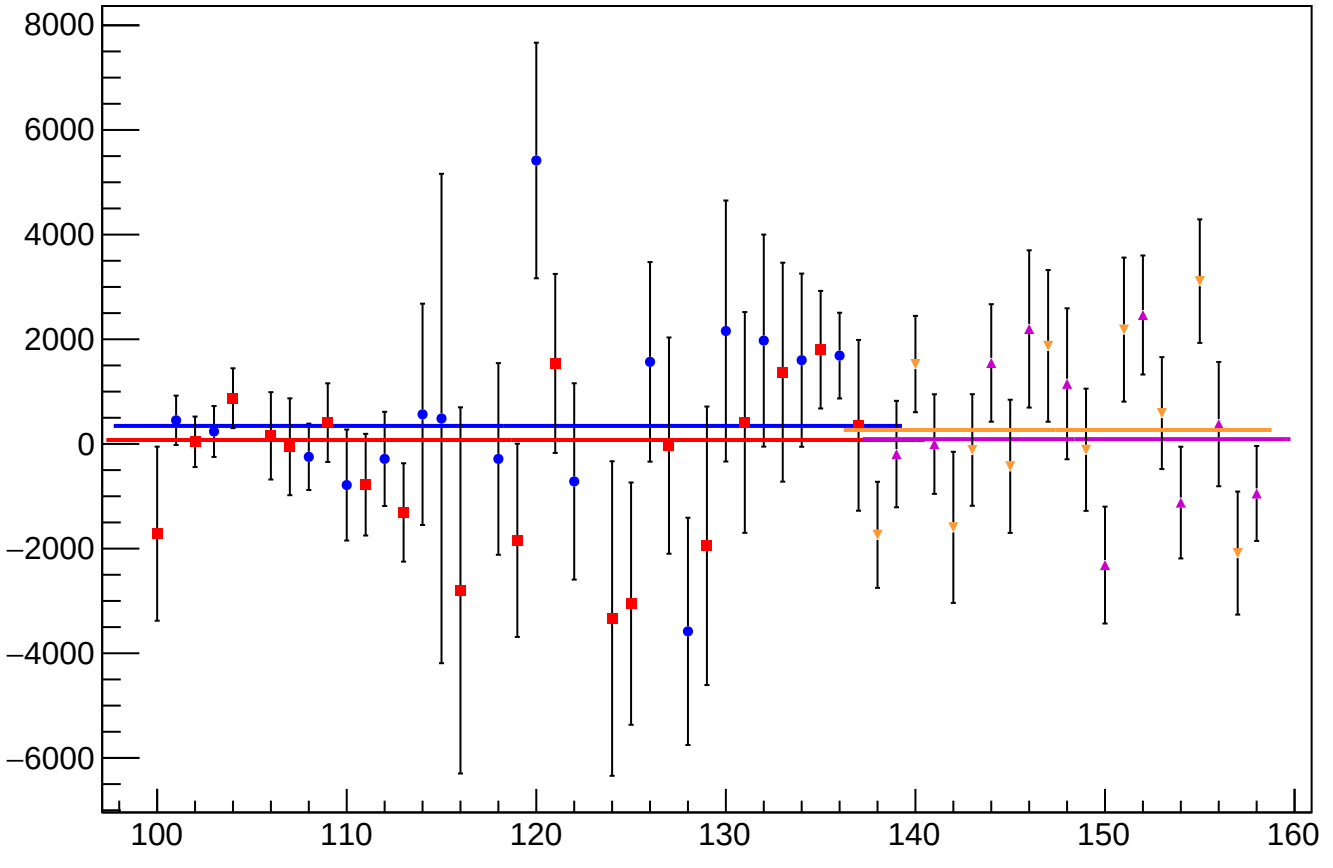
Left: 163.147+/-0.028 χ^2/NDF: 309937.8/20

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 138.486+/-0.025 χ^2/NDF:1478595.2/25

Out: 132.891+/-0.024 χ^2/NDF:1733118.0/29

All: 135.567+/-0.017 χ^2/NDF: 3237454.6/55



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 266.844+/-349.578 χ^2/NDF:21.0/10

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 91.505+/-349.939 χ^2/NDF:15.9/9

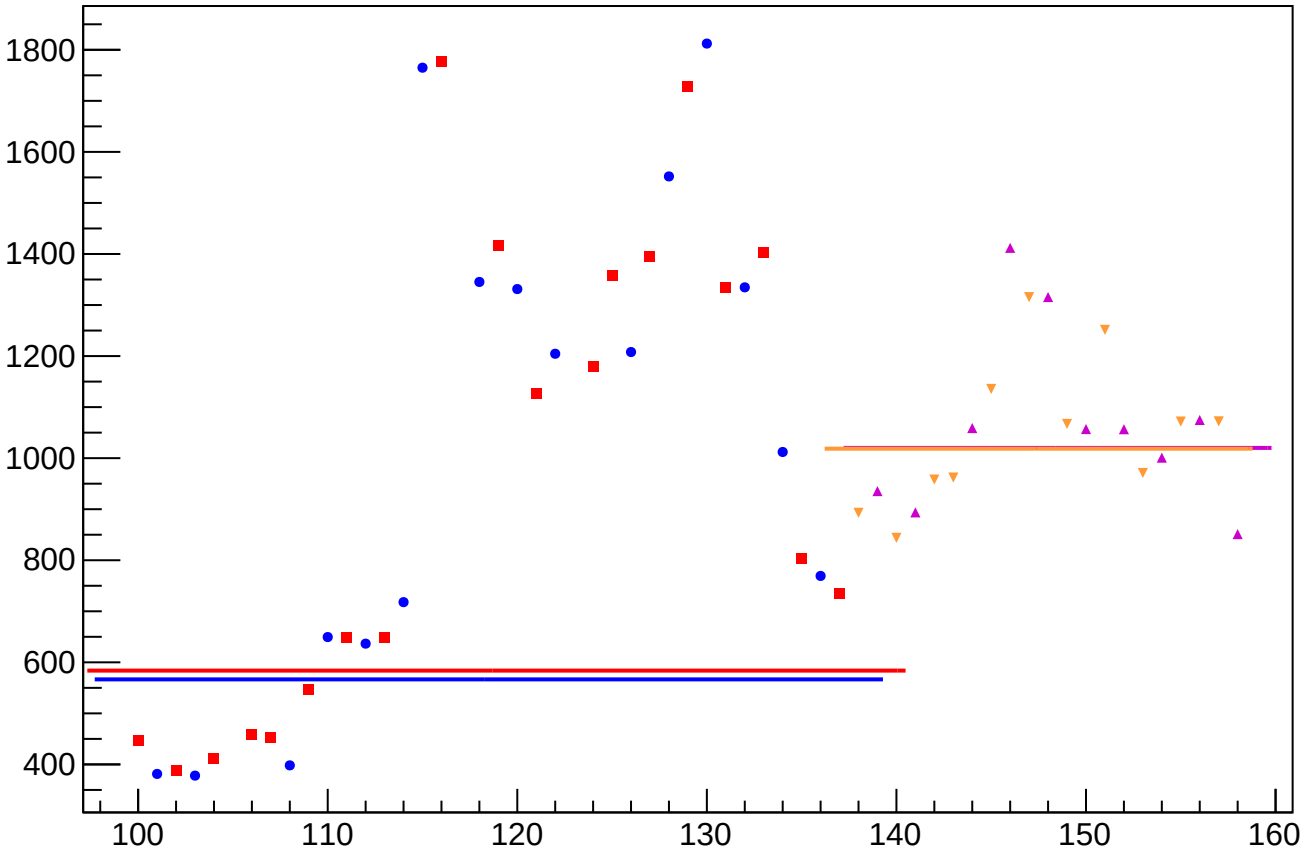
Left: 179.265+/-247.316 χ^2/NDF: 37.1/20

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 262.822+/-198.780 χ^2/NDF:32.5/25

Out: 136.919+/-198.127 χ^2/NDF:36.5/29

All: 199.663+/-140.327 χ^2/NDF: 69.2/55



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1018.586+/-0.247 χ^2/NDF:285555.0/10

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1020.073+/-0.247 χ^2/NDF:350026.9/9

Left: 1019.329+/-0.175 χ^2/NDF: 635600.0/20

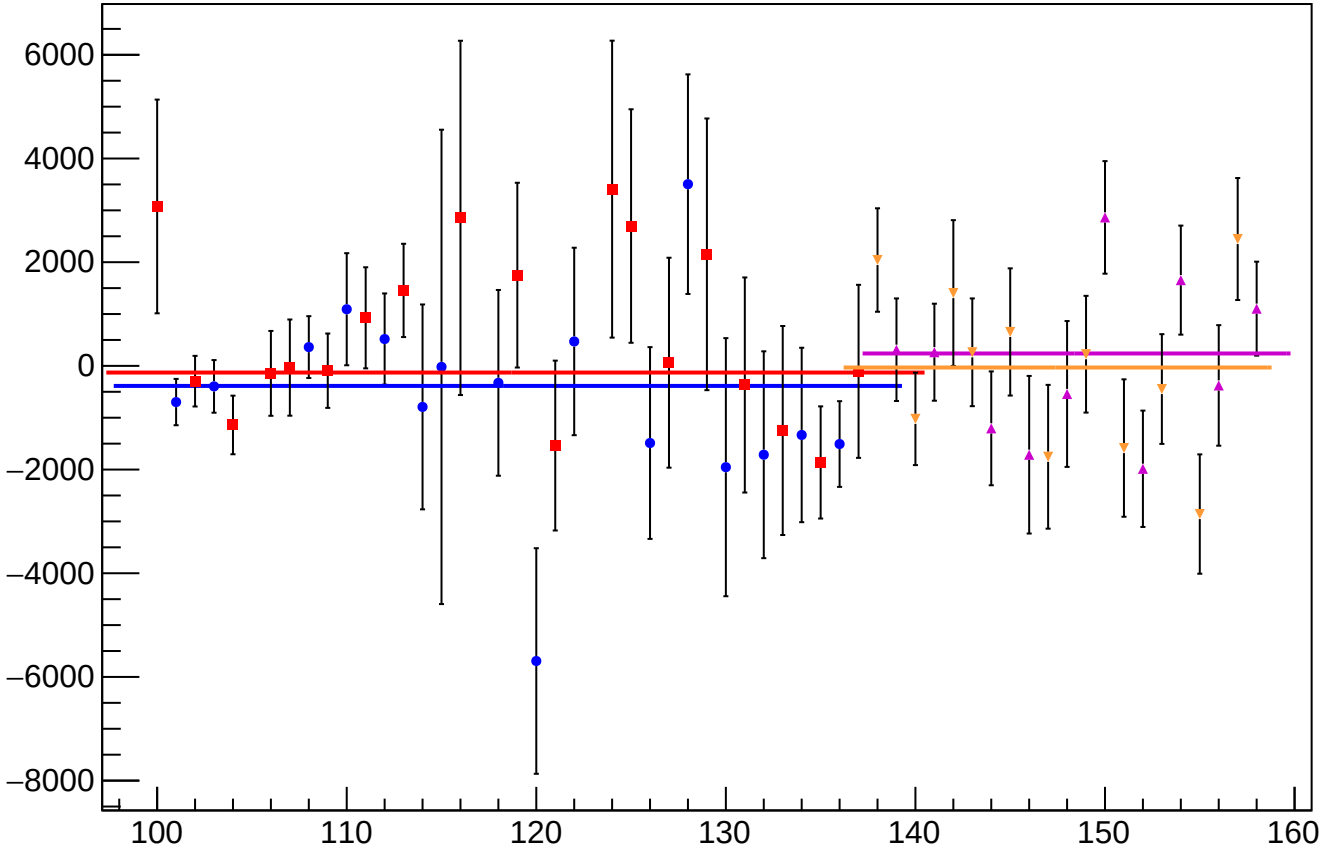
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 712.925+/-0.141 χ^2/NDF:6057266.7/25

Out: 723.456+/-0.140 χ^2/NDF:5493157.0/29

All: 718.208+/-0.099 χ^2/NDF: 11553239.7/55

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -31.502+/-340.883 χ^2/NDF:20.6/10

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 239.281+/-344.317 χ^2/NDF:16.5/9

Left: 102.532+/-242.246 χ^2/NDF: 37.4/20

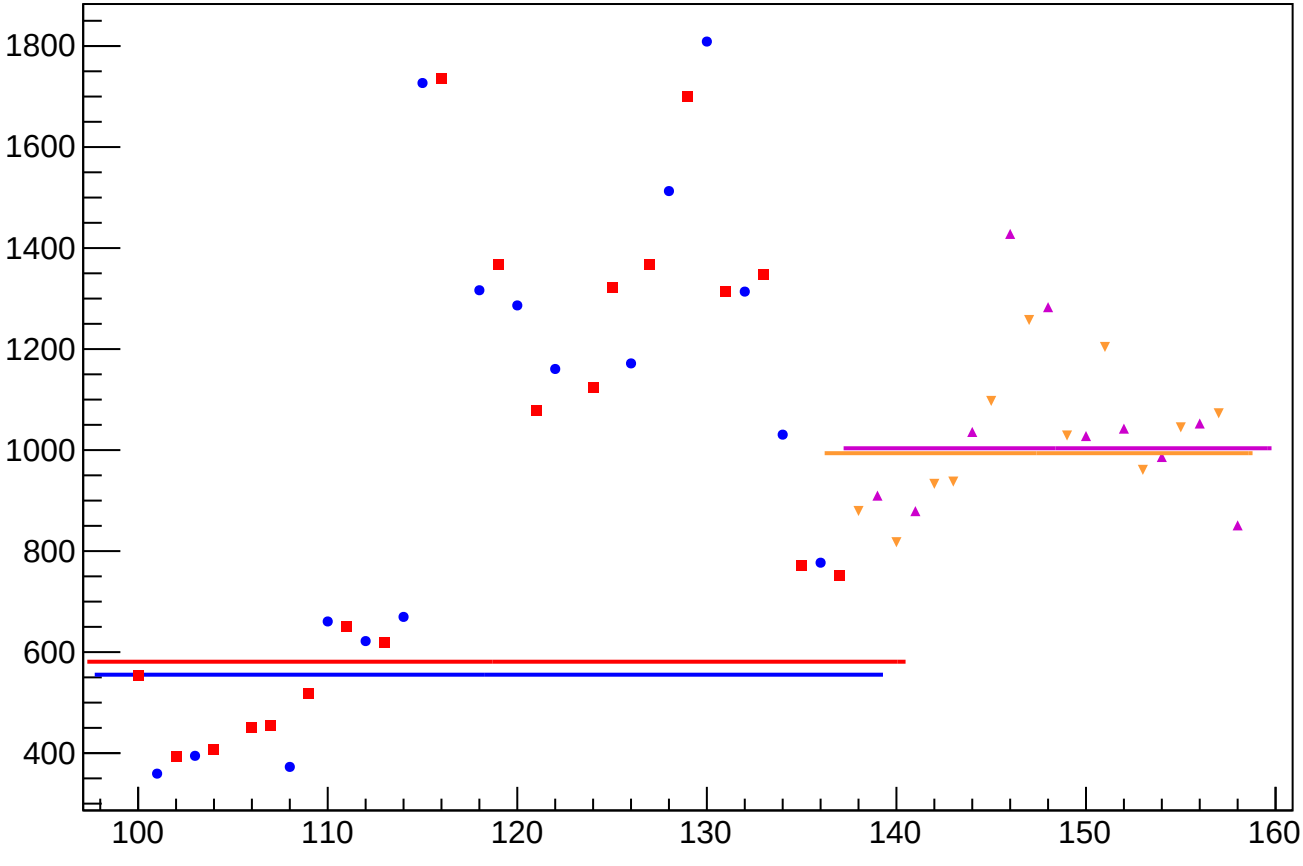
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -184.739+/-195.516 χ^2/NDF:36.7/25

Out: -96.725+/-195.276 χ^2/NDF:40.0/29

All: -140.678+/-138.166 χ^2/NDF: 76.8/55

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 993.863+/-0.241 χ^2/NDF:267752.5/10

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1003.623+/-0.243 χ^2/NDF:354128.5/9

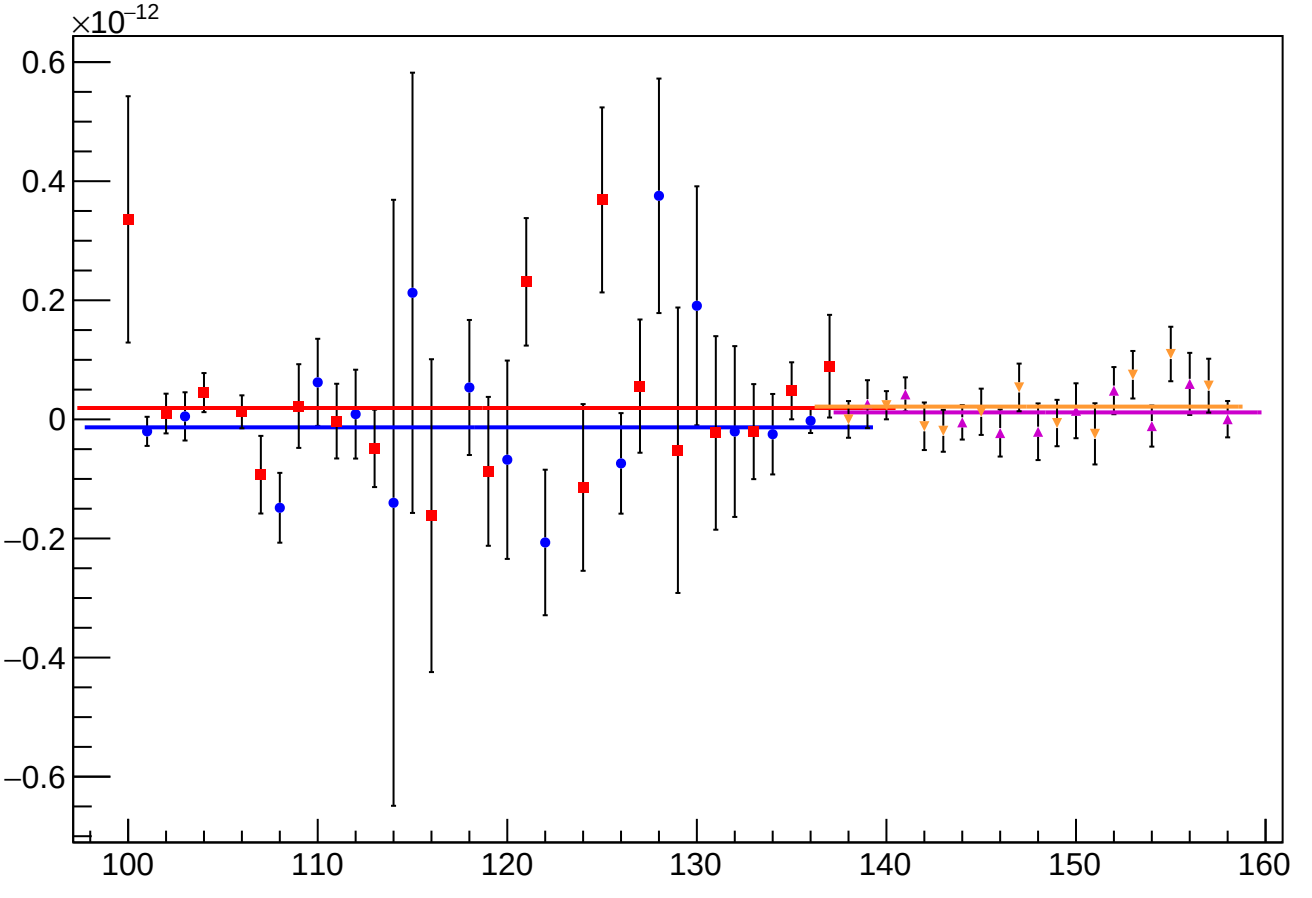
Left: 998.694+/-0.171 χ^2/NDF: 622692.4/20

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 699.851+/-0.138 χ^2/NDF:6134167.7/25

Out: 716.483+/-0.138 χ^2/NDF:5222403.1/29

All: 708.177+/-0.098 χ^2/NDF: 11363815.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/9

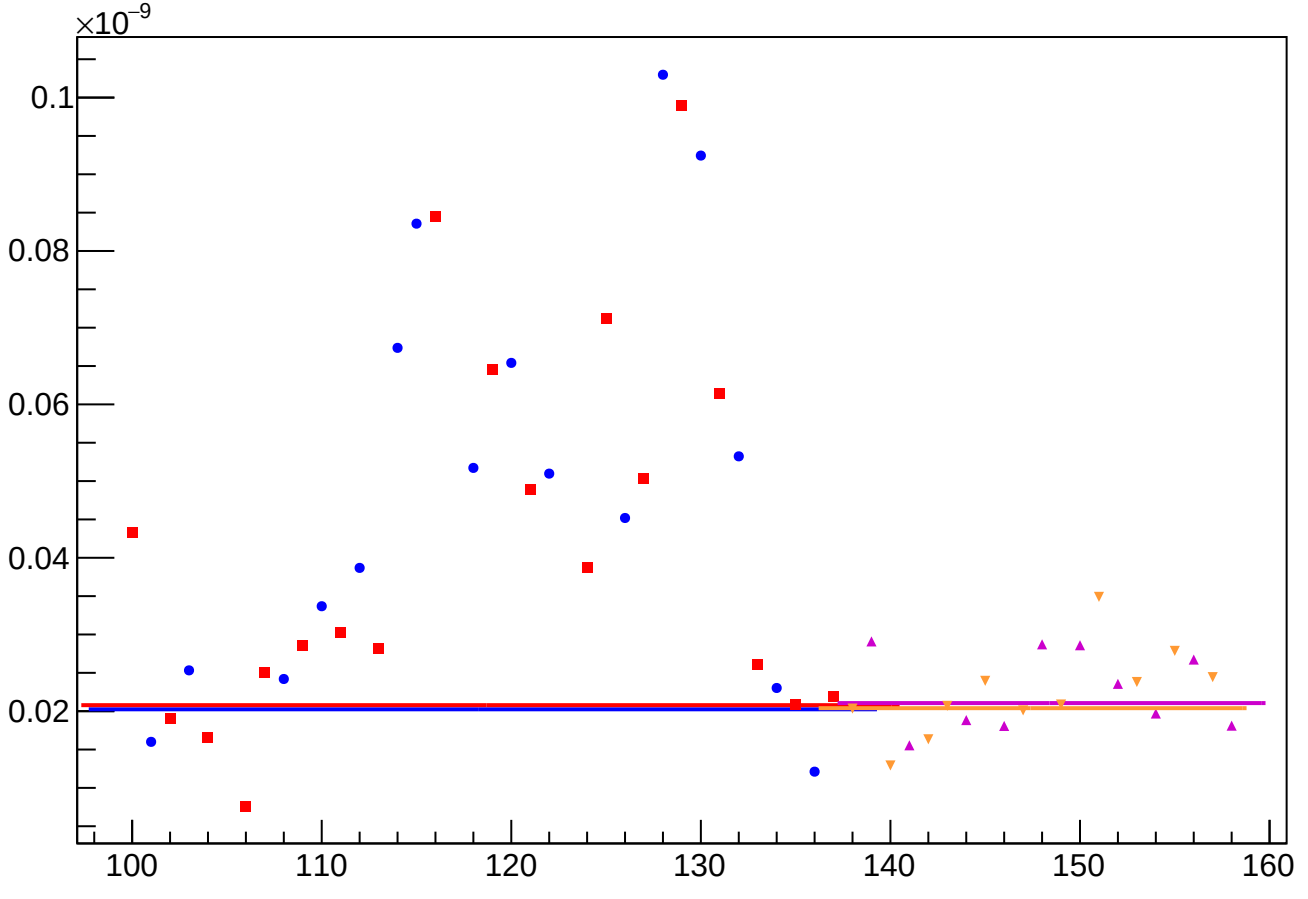
Left: 0.000+/-0.000 χ^2/NDF: 16.1/20

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:23.1/25

Out: 0.000+/-0.000 χ^2/NDF:30.5/29

All: 0.000+/-0.000 χ^2/NDF: 56.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:480279.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:336090.1/9

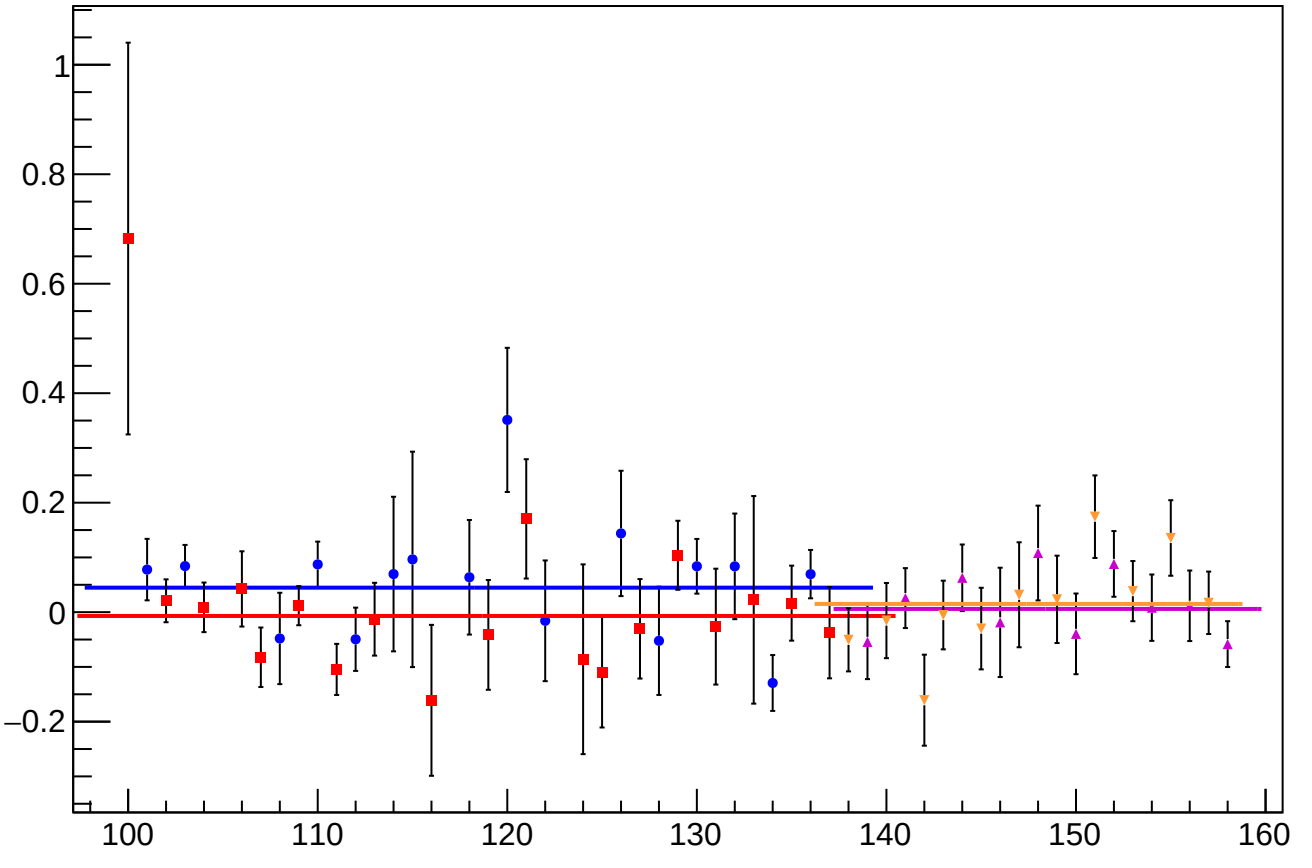
Left: 0.000+/-0.000 χ^2/NDF: 819824.0/20

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2345150.3/25

Out: 0.000+/-0.000 χ^2/NDF:2337148.7/29

All: 0.000+/-0.000 χ^2/NDF: 4682608.3/55



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.020 χ^2/NDF:14.2/10

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.006+/-0.020 χ^2/NDF:7.9/9

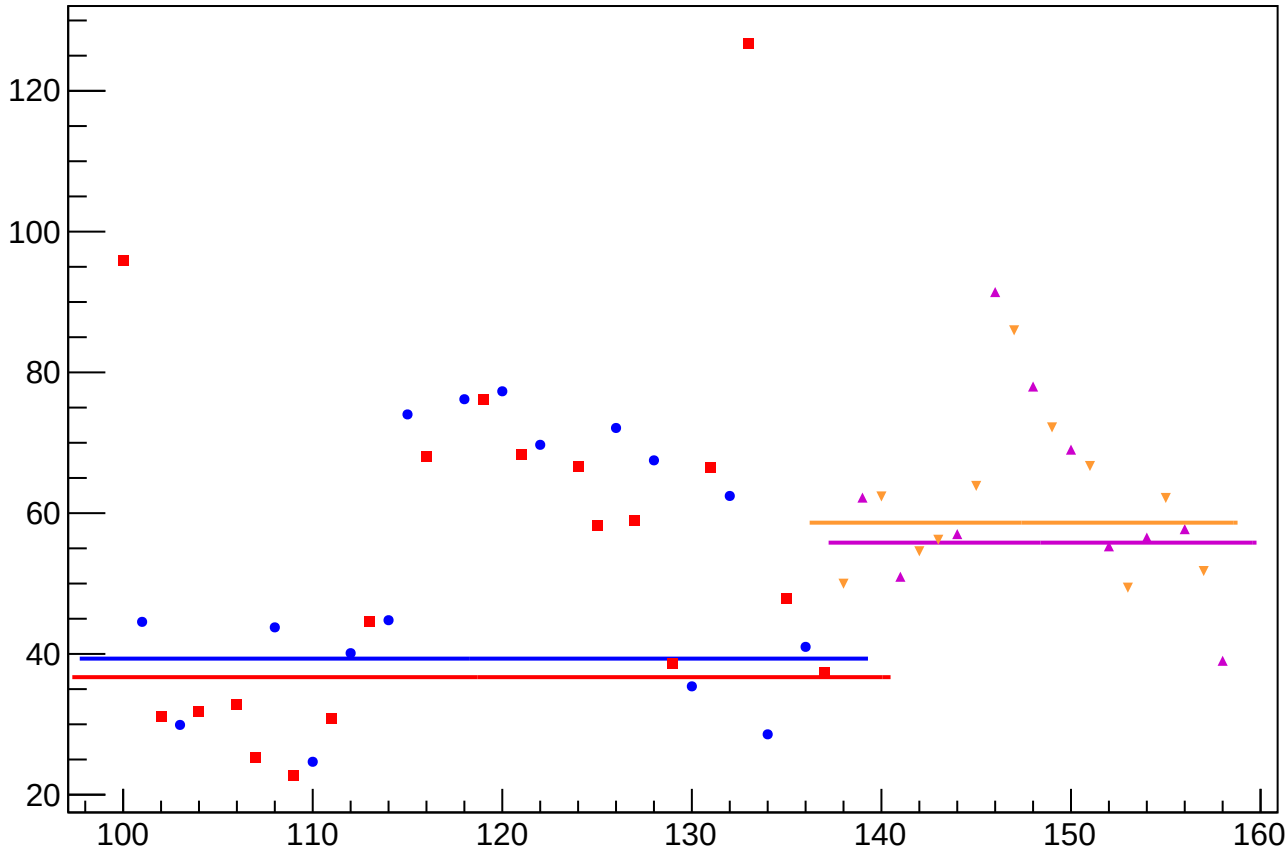
Left: 0.010+/-0.014 χ^2/NDF: 22.1/20

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.029+/-0.012 χ^2/NDF:36.8/25

Out: 0.001+/-0.012 χ^2/NDF:35.1/29

All: 0.015+/-0.009 χ^2/NDF: 74.6/55



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 58.649+/-0.014 χ^2/NDF:402081.8/10

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.810+/-0.014 χ^2/NDF:807659.8/9

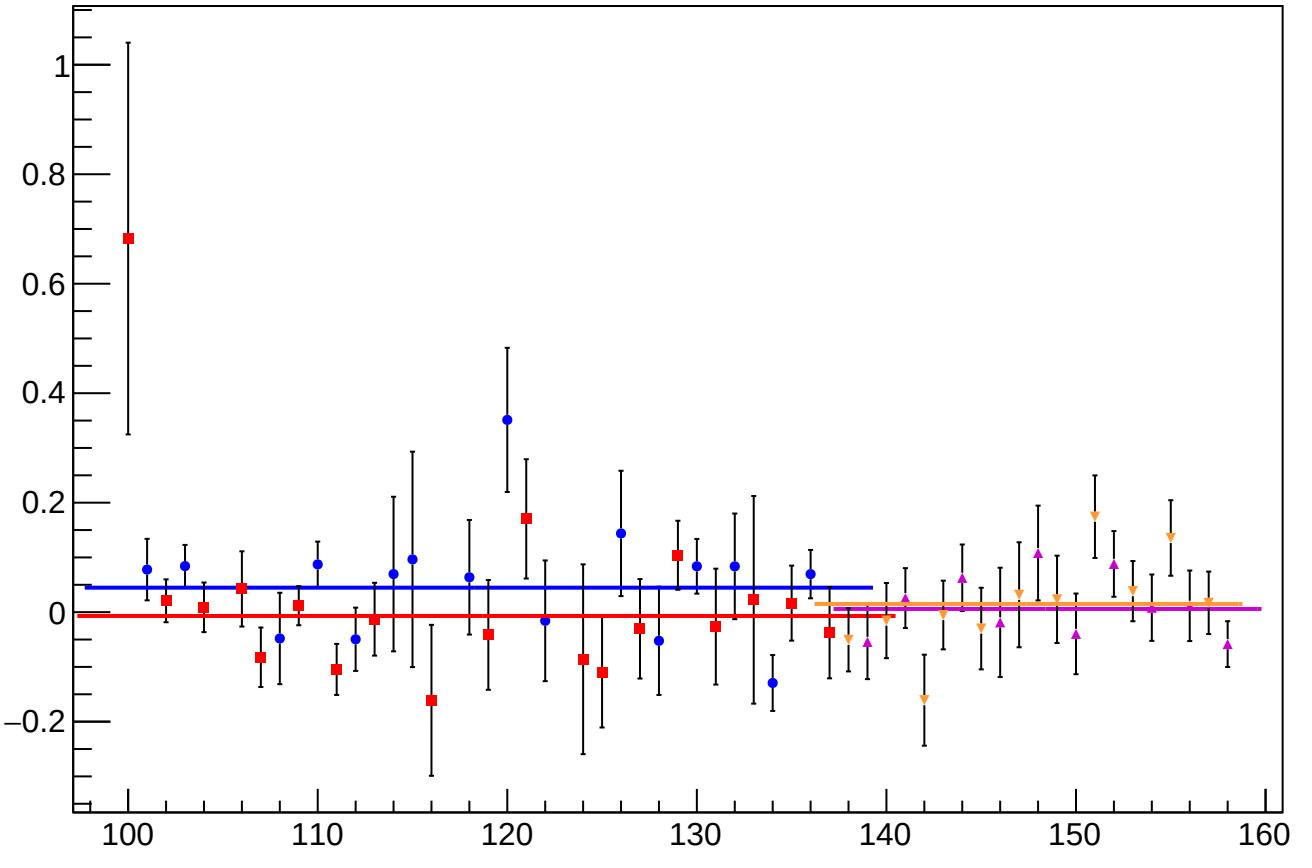
Left: 57.167+/-0.010 χ^2/NDF: 1229776.3/20

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.928+/-0.009 χ^2/NDF:3220589.4/25

Out: 44.430+/-0.009 χ^2/NDF:3984989.2/29

All: 45.164+/-0.006 χ^2/NDF: 7220454.7/55



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.020 χ^2/NDF:14.2/10

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.006+/-0.020 χ^2/NDF:7.9/9

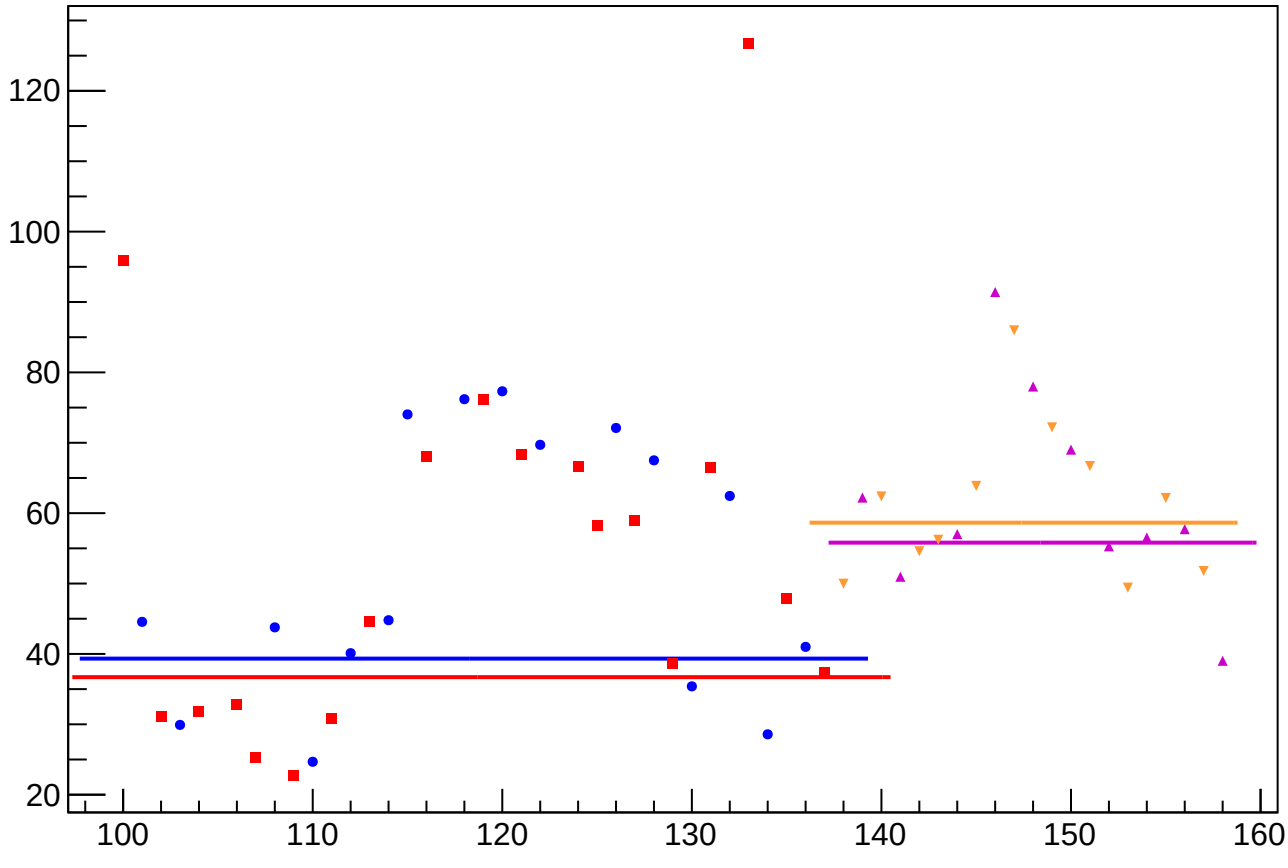
Left: 0.010+/-0.014 χ^2/NDF: 22.1/20

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.029+/-0.012 χ^2/NDF:36.8/25

Out: 0.001+/-0.012 χ^2/NDF:35.1/29

All: 0.015+/-0.009 χ^2/NDF: 74.6/55



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 58.649+/-0.014 χ^2/NDF:402081.8/10

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.810+/-0.014 χ^2/NDF:807659.8/9

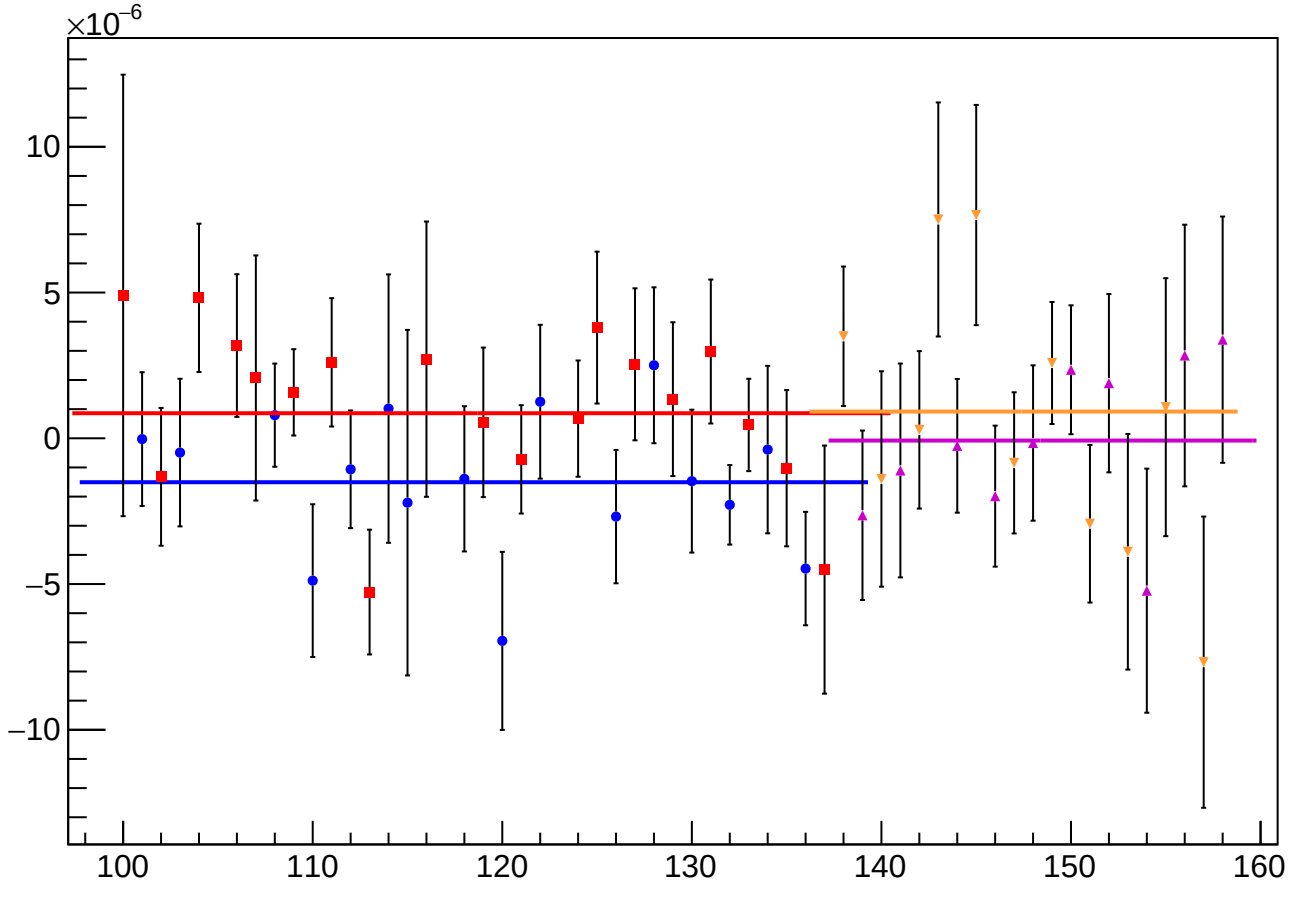
Left: 57.167+/-0.010 χ^2/NDF: 1229776.3/20

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.928+/-0.009 χ^2/NDF:3220589.4/25

Out: 44.430+/-0.009 χ^2/NDF:3984989.2/29

All: 45.164+/-0.006 χ^2/NDF: 7220454.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/9

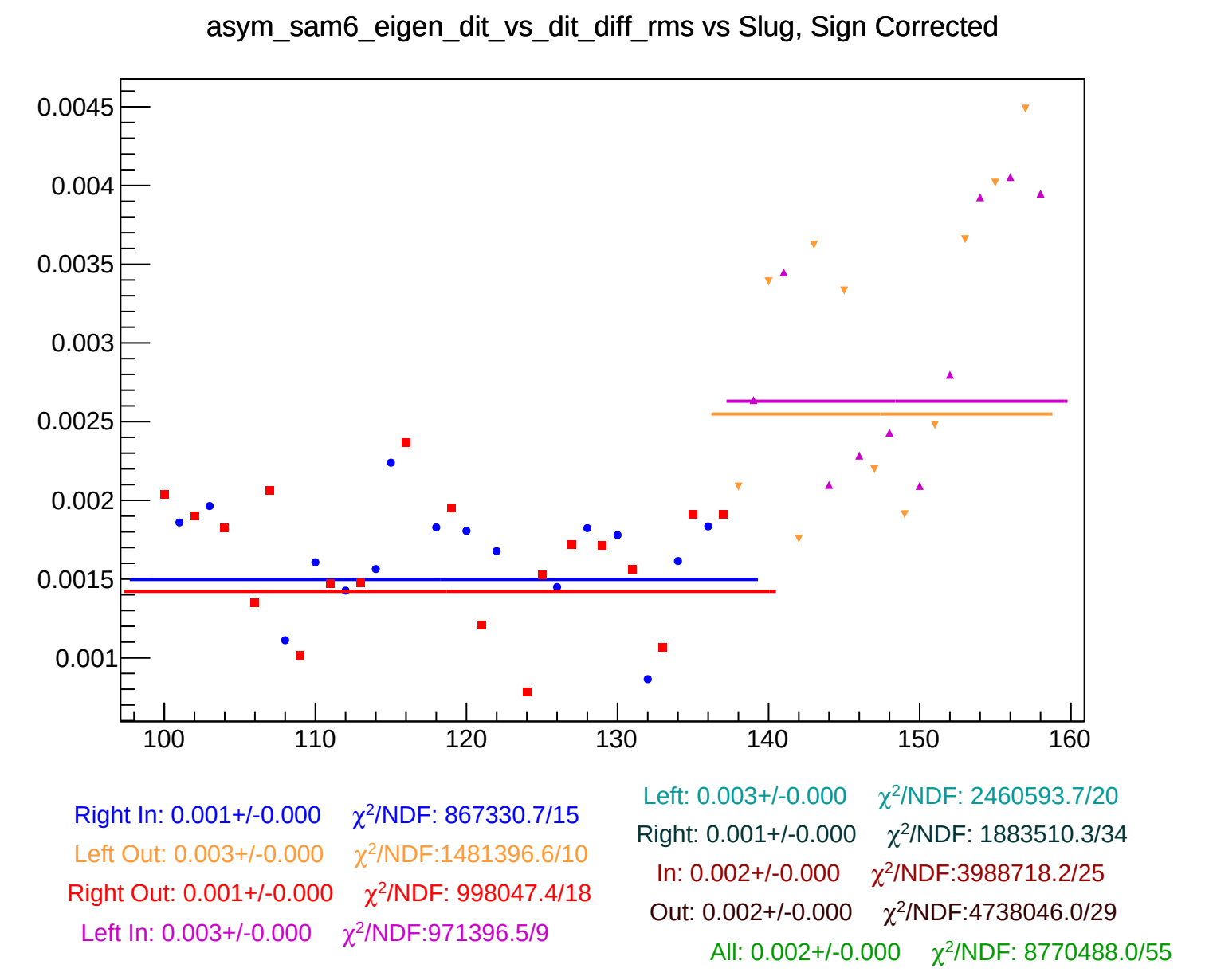
Left: 0.000+/-0.000 χ^2/NDF: 21.4/20

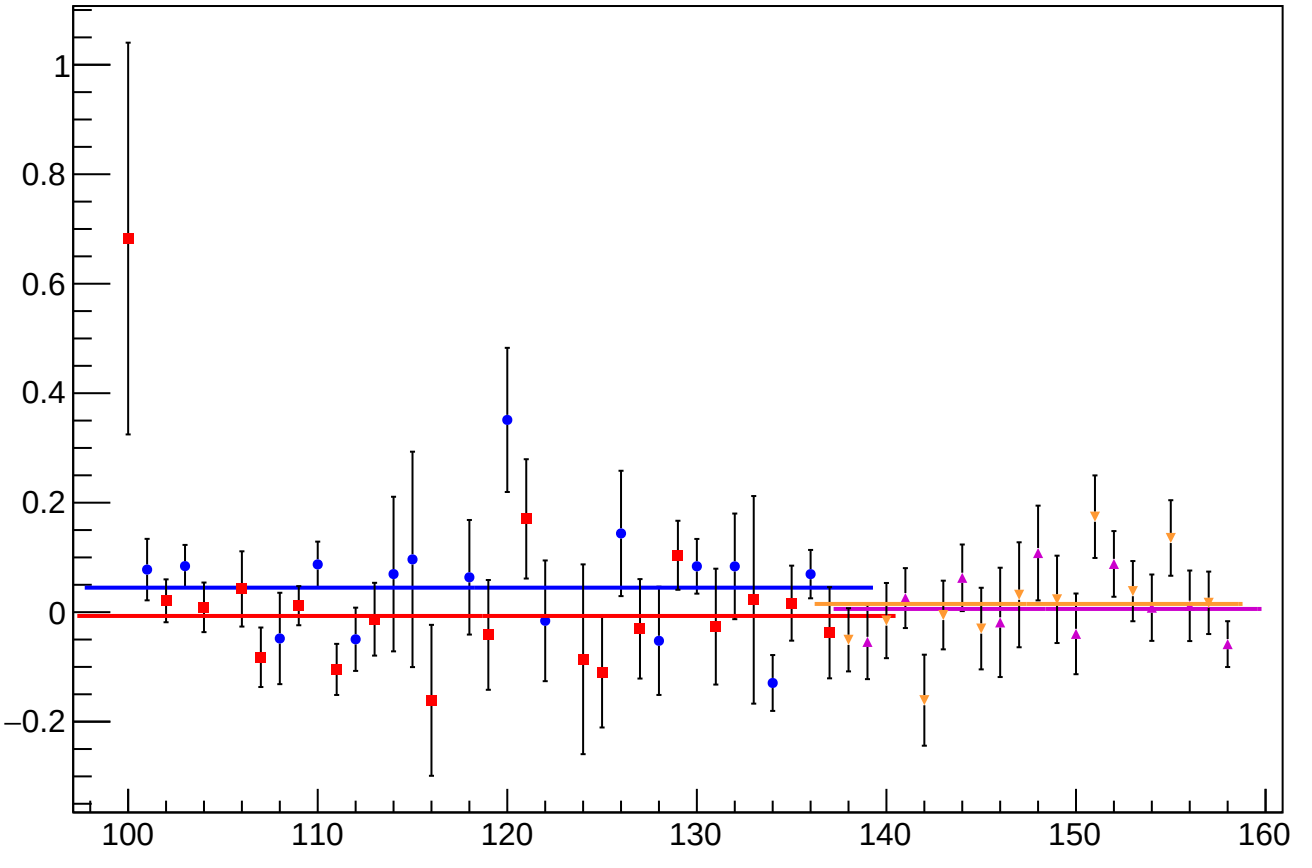
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:21.3/25

Out: 0.000+/-0.000 χ^2/NDF:34.2/29

All: -0.000+/-0.000 χ^2/NDF: 64.0/55


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1481396.6/10
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:971396.5/9
Left: 0.003+/-0.000 χ²/NDF: 2460593.7/20
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:3988718.2/25
Out: 0.002+/-0.000 χ²/NDF:4738046.0/29
All: 0.002+/-0.000 χ²/NDF: 8770488.0/55



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.020 χ^2/NDF:14.2/10

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.006+/-0.020 χ^2/NDF:7.9/9

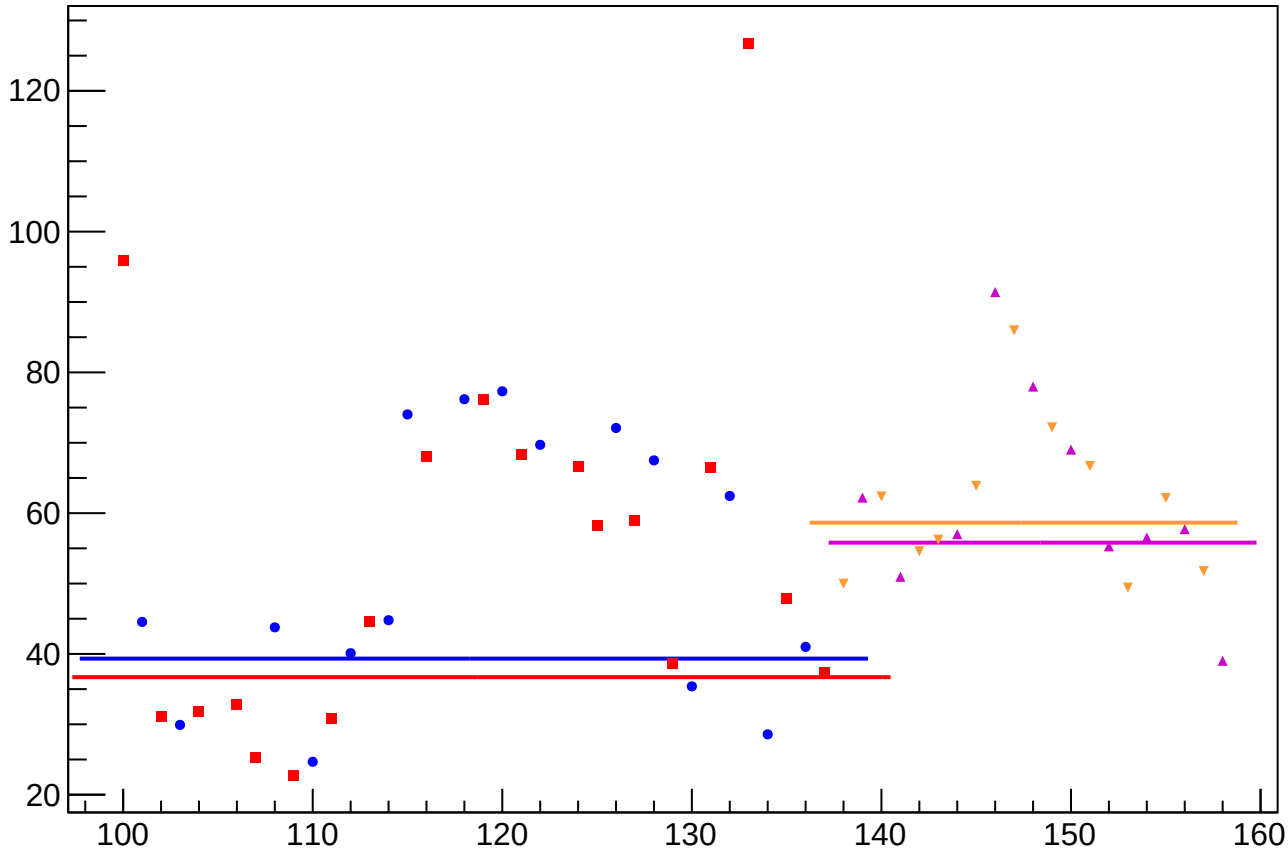
Left: 0.010+/-0.014 χ^2/NDF: 22.1/20

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.029+/-0.012 χ^2/NDF:36.8/25

Out: 0.001+/-0.012 χ^2/NDF:35.1/29

All: 0.015+/-0.009 χ^2/NDF: 74.6/55



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 58.649+/-0.014 χ^2/NDF:402073.8/10

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.809+/-0.014 χ^2/NDF:807773.7/9

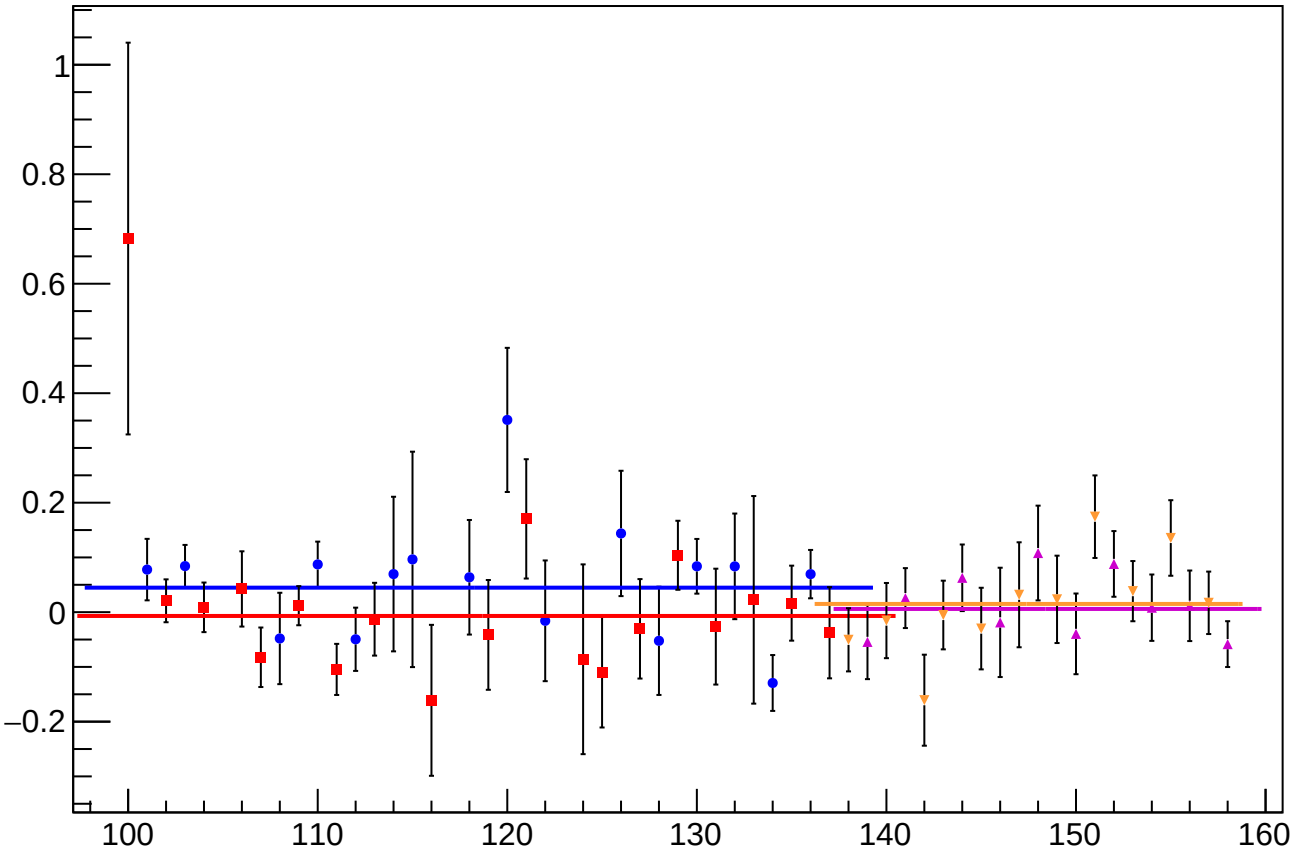
Left: 57.166+/-0.010 χ^2/NDF: 1229891.5/20

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.927+/-0.009 χ^2/NDF:3220680.7/25

Out: 44.429+/-0.009 χ^2/NDF:3984955.7/29

All: 45.163+/-0.006 χ^2/NDF: 7220504.6/55



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.020 χ^2/NDF:14.2/10

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.006+/-0.020 χ^2/NDF:7.9/9

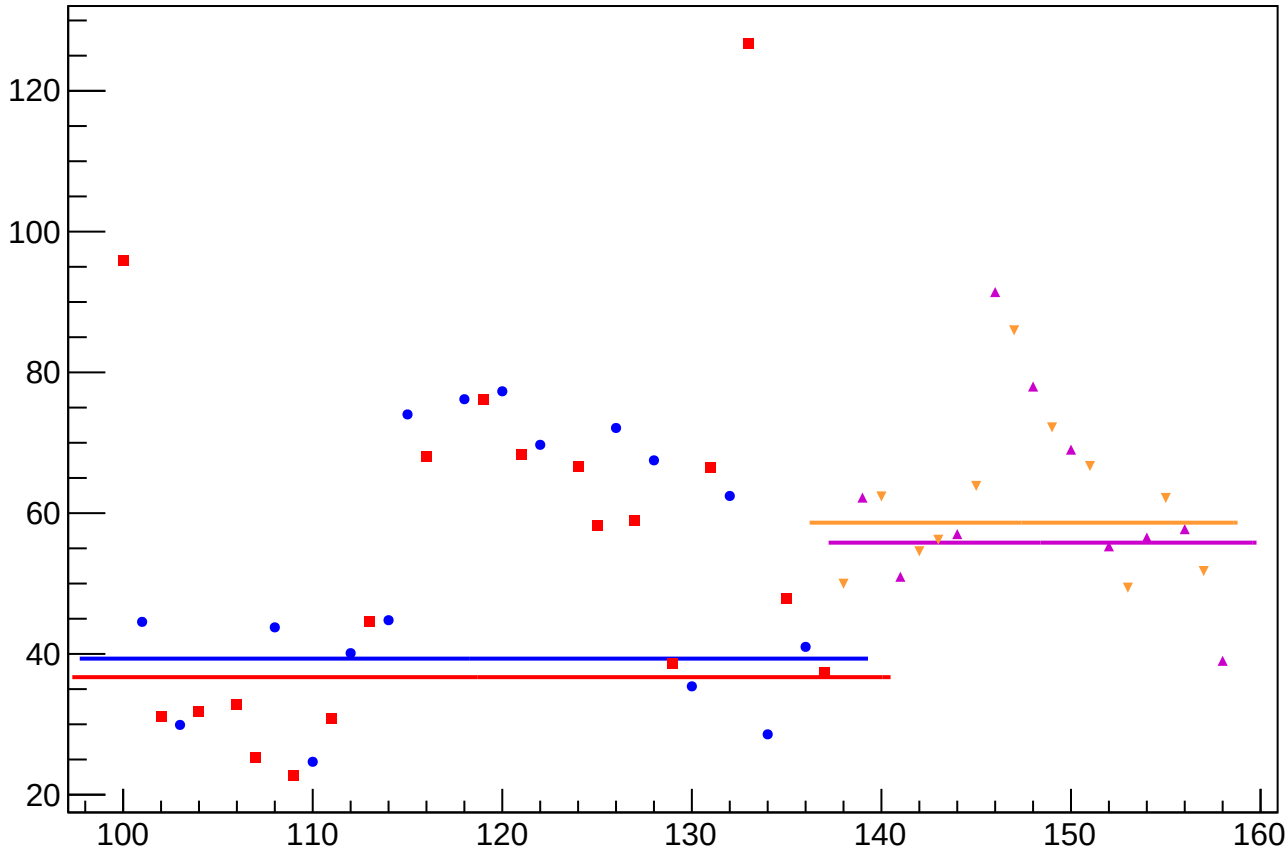
Left: 0.010+/-0.014 χ^2/NDF: 22.1/20

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.029+/-0.012 χ^2/NDF:36.8/25

Out: 0.001+/-0.012 χ^2/NDF:35.1/29

All: 0.015+/-0.009 χ^2/NDF: 74.6/55



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 58.649+/-0.014 χ^2/NDF:402073.8/10

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.809+/-0.014 χ^2/NDF:807773.7/9

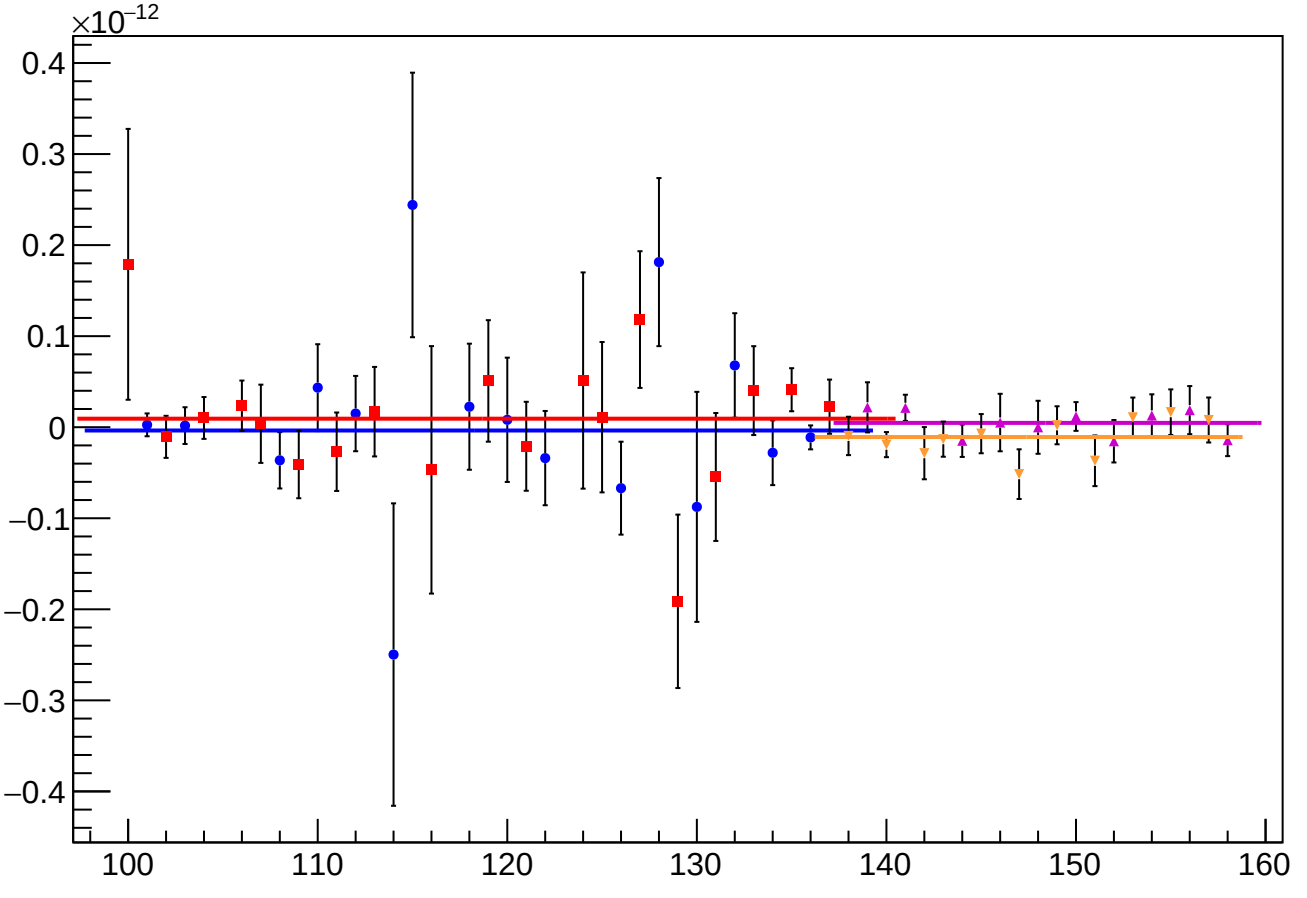
Left: 57.166+/-0.010 χ^2/NDF: 1229891.5/20

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.927+/-0.009 χ^2/NDF:3220680.7/25

Out: 44.429+/-0.009 χ^2/NDF:3984955.7/29

All: 45.163+/-0.006 χ^2/NDF: 7220504.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/9

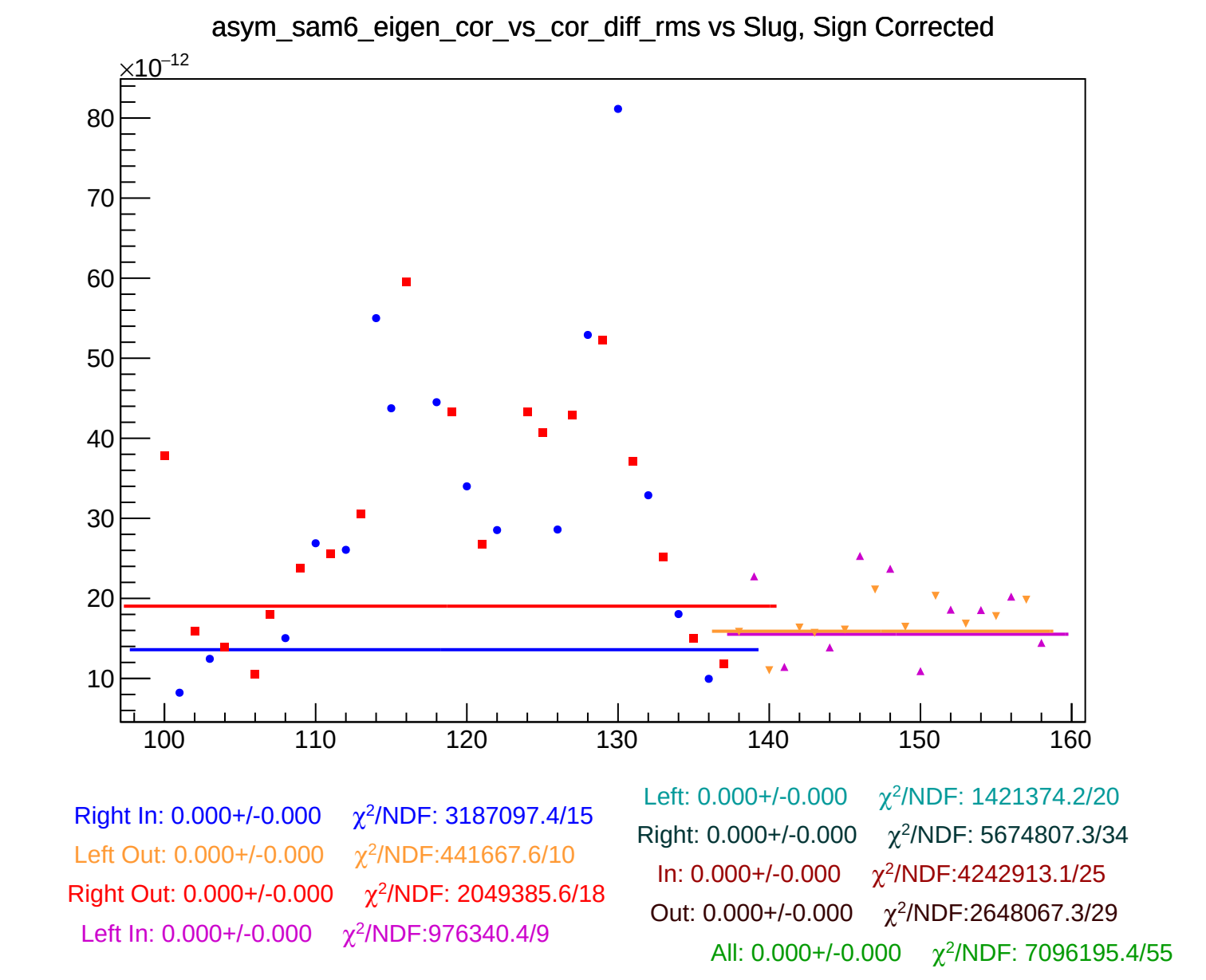
Left: -0.000+/-0.000 χ^2/NDF: 15.4/20

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

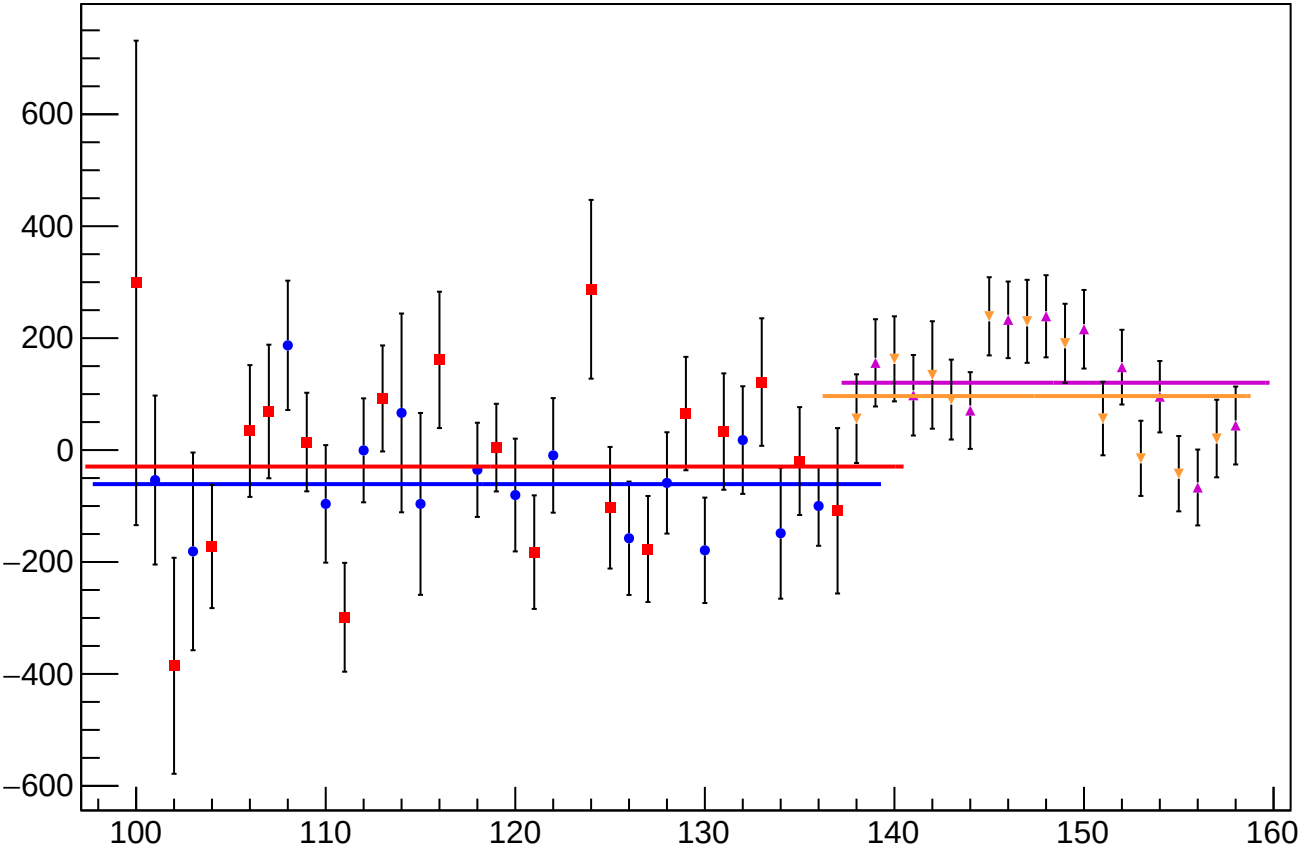
In: 0.000+/-0.000 χ^2/NDF:22.8/25

Out: -0.000+/-0.000 χ^2/NDF:26.0/29

All: -0.000+/-0.000 χ^2/NDF: 49.3/55


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:441667.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:976340.4/9
Left: 0.000+/-0.000 χ²/NDF: 1421374.2/20
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4242913.1/25
Out: 0.000+/-0.000 χ²/NDF:2648067.3/29
All: 0.000+/-0.000 χ²/NDF: 7096195.4/55

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 96.500+/-21.786 χ^2/NDF:18.9/10

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 120.310+/-21.996 χ^2/NDF:17.2/9

Left: 108.291+/-15.479 χ^2/NDF: 36.7/20

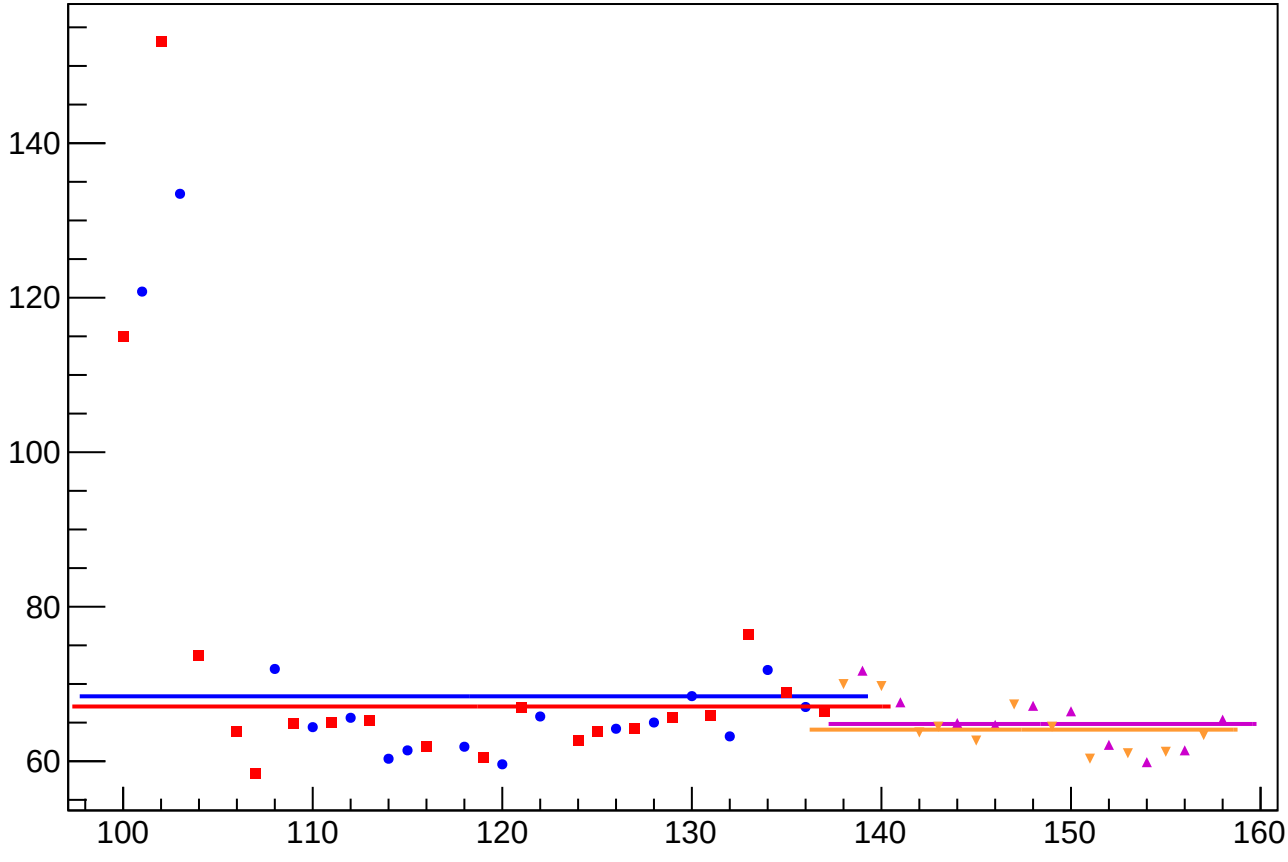
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 44.922+/-16.807 χ^2/NDF:56.0/25

Out: 42.396+/-16.454 χ^2/NDF:64.5/29

All: 43.632+/-11.758 χ^2/NDF: 120.5/55

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.090+/-0.015 χ^2/NDF:41420.6/10

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

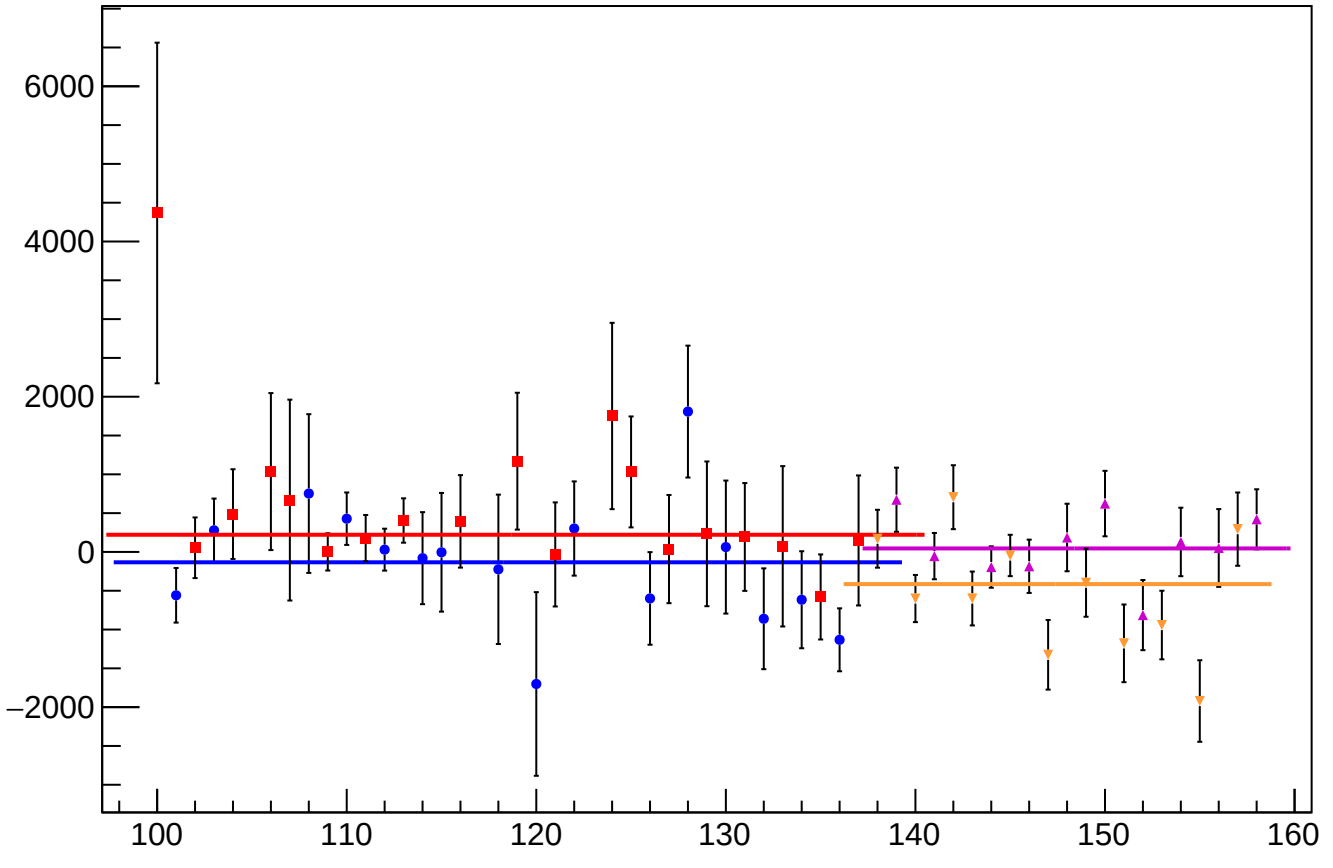
Left: 64.453+/-0.011 χ^2/NDF: 84896.4/20

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 66.314+/-0.012 χ^2/NDF:633940.1/25

Out: 65.377+/-0.012 χ^2/NDF:539485.2/29

All: 65.835+/-0.008 χ^2/NDF: 1176600.5/55



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -414.423+/-116.483 χ^2/NDF:30.8/10

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 45.088+/-118.464 χ^2/NDF:10.2/9

Left: -188.541+/-83.058 χ^2/NDF: 48.7/20

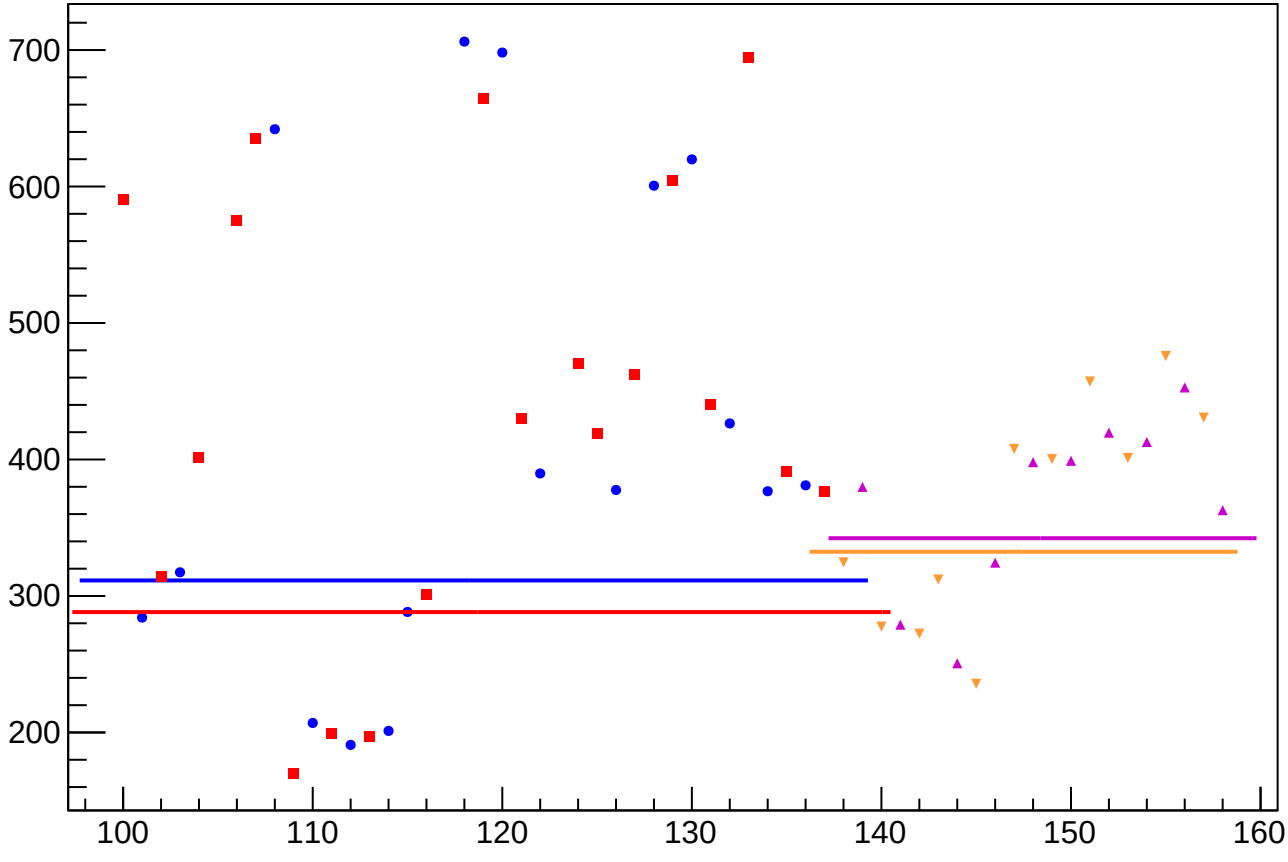
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -38.816+/-86.277 χ^2/NDF:33.8/25

Out: -100.075+/-82.822 χ^2/NDF:58.0/29

All: -70.697+/-59.748 χ^2/NDF: 92.1/55

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 332.420+/-0.082 χ^2/NDF:891947.2/10

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 342.320+/-0.084 χ^2/NDF:629732.4/9

Left: 337.286+/-0.059 χ^2/NDF: 1528781.5/20

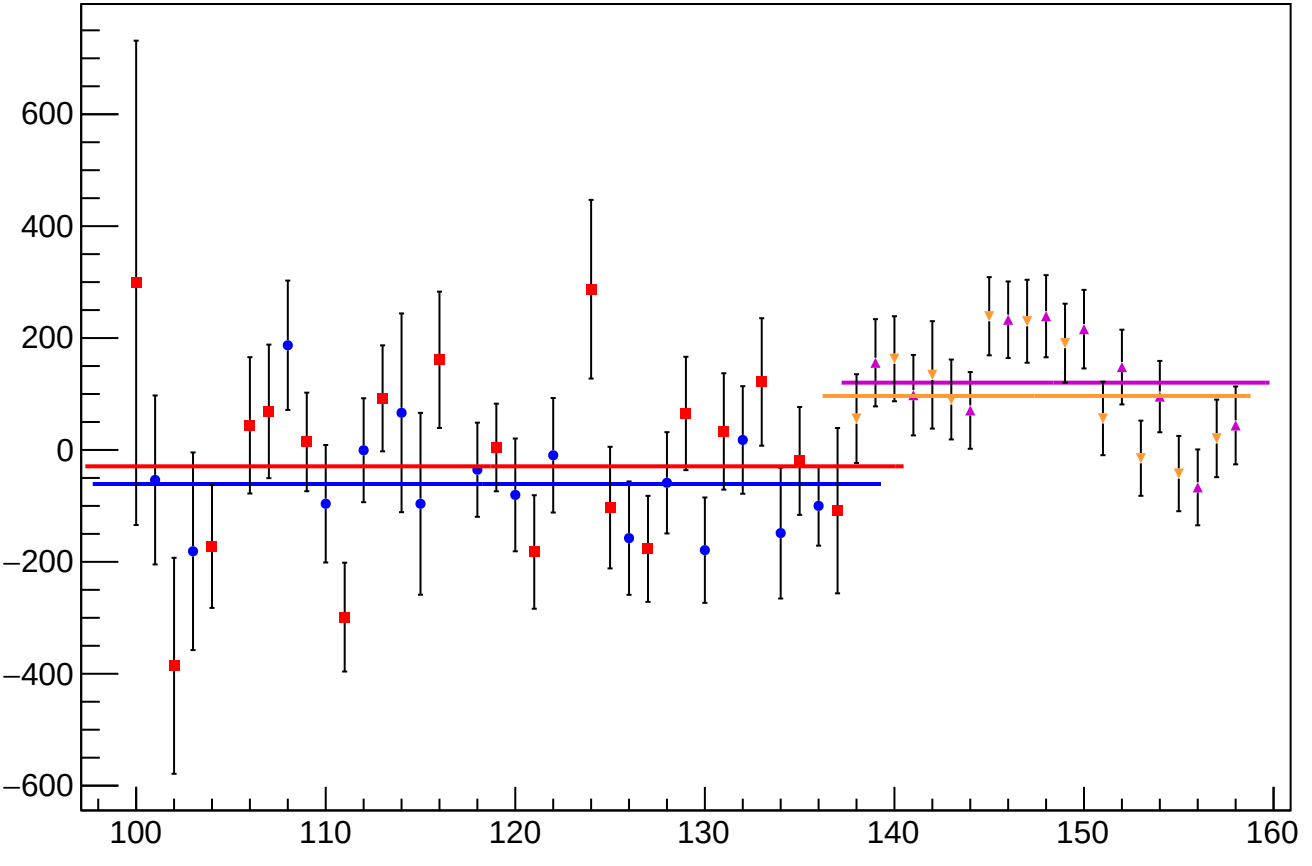
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 327.794+/-0.061 χ^2/NDF:2817566.9/25

Out: 310.557+/-0.059 χ^2/NDF:3749810.7/29

All: 318.824+/-0.042 χ^2/NDF: 6608920.1/55

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 96.501+/-21.786 χ^2/NDF:18.9/10

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 120.311+/-21.996 χ^2/NDF:17.2/9

Left: 108.292+/-15.479 χ^2/NDF: 36.7/20

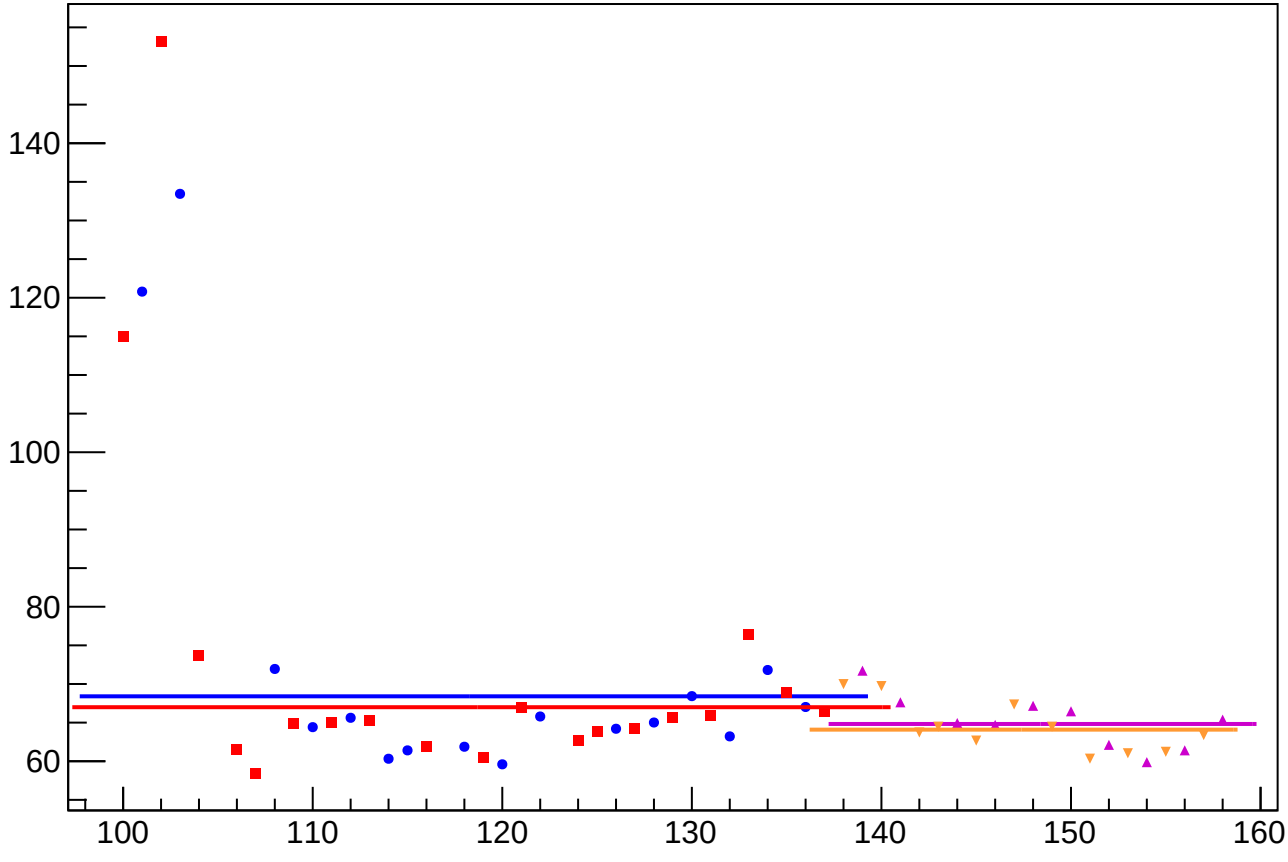
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 44.921+/-16.807 χ^2/NDF:56.0/25

Out: 42.589+/-16.465 χ^2/NDF:64.5/29

All: 43.731+/-11.762 χ^2/NDF: 120.5/55

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.090+/-0.015 χ^2/NDF:41420.6/10

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

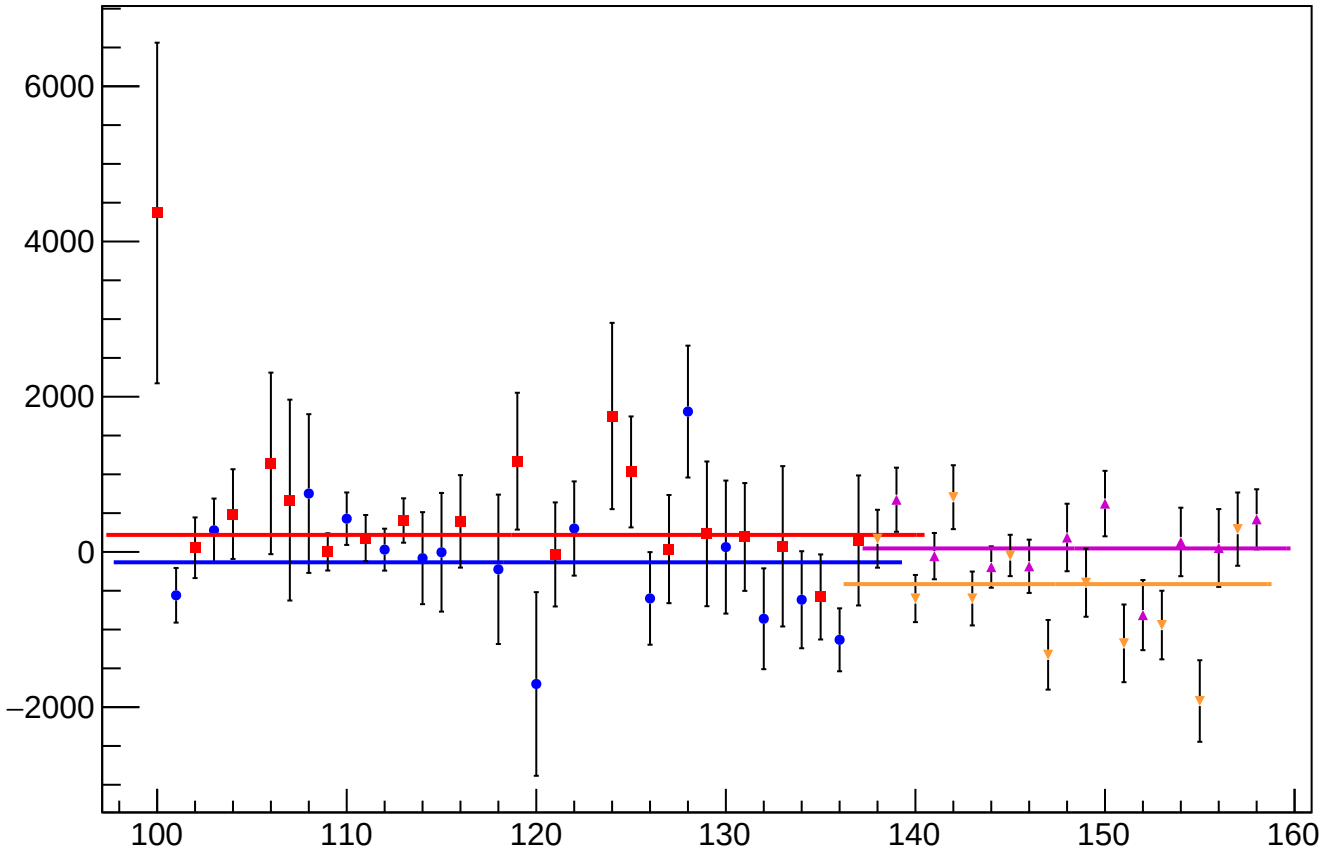
Left: 64.453+/-0.011 χ^2/NDF: 84896.4/20

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.314+/-0.012 χ^2/NDF:633940.4/25

Out: 65.335+/-0.012 χ^2/NDF:541158.4/29

All: 65.814+/-0.008 χ^2/NDF: 1178557.7/55



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -414.420+/-116.483 χ^2/NDF:30.8/10

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 45.085+/-118.464 χ^2/NDF:10.2/9

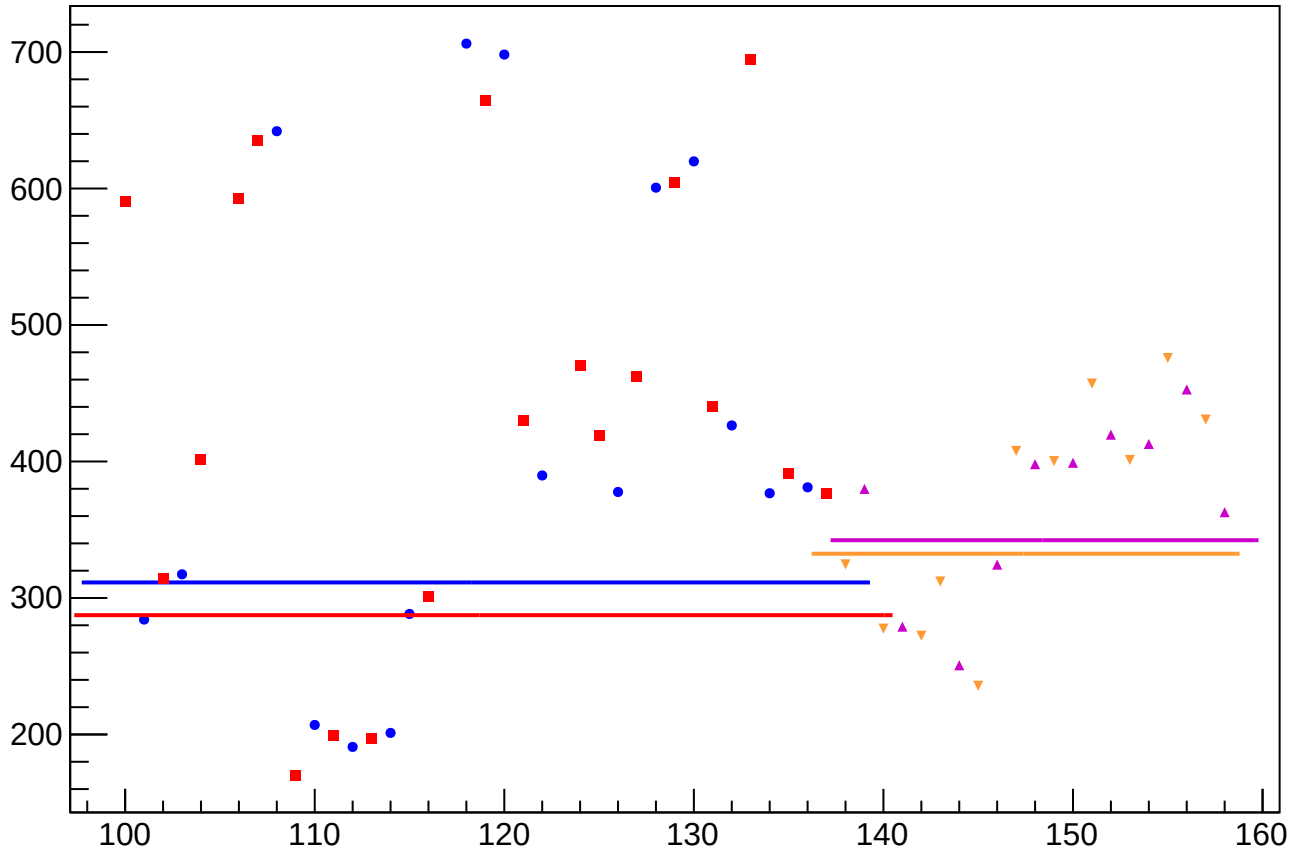
Left: -188.541+/-83.058 χ^2/NDF: 48.7/20

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -38.816+/-86.277 χ^2/NDF:33.8/25

Out: -101.475+/-82.893 χ^2/NDF:57.9/29

All: -71.398+/-59.775 χ^2/NDF: 92.0/55



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 332.419+/-0.082 χ^2/NDF:891952.5/10

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.320+/-0.084 χ^2/NDF:629729.6/9

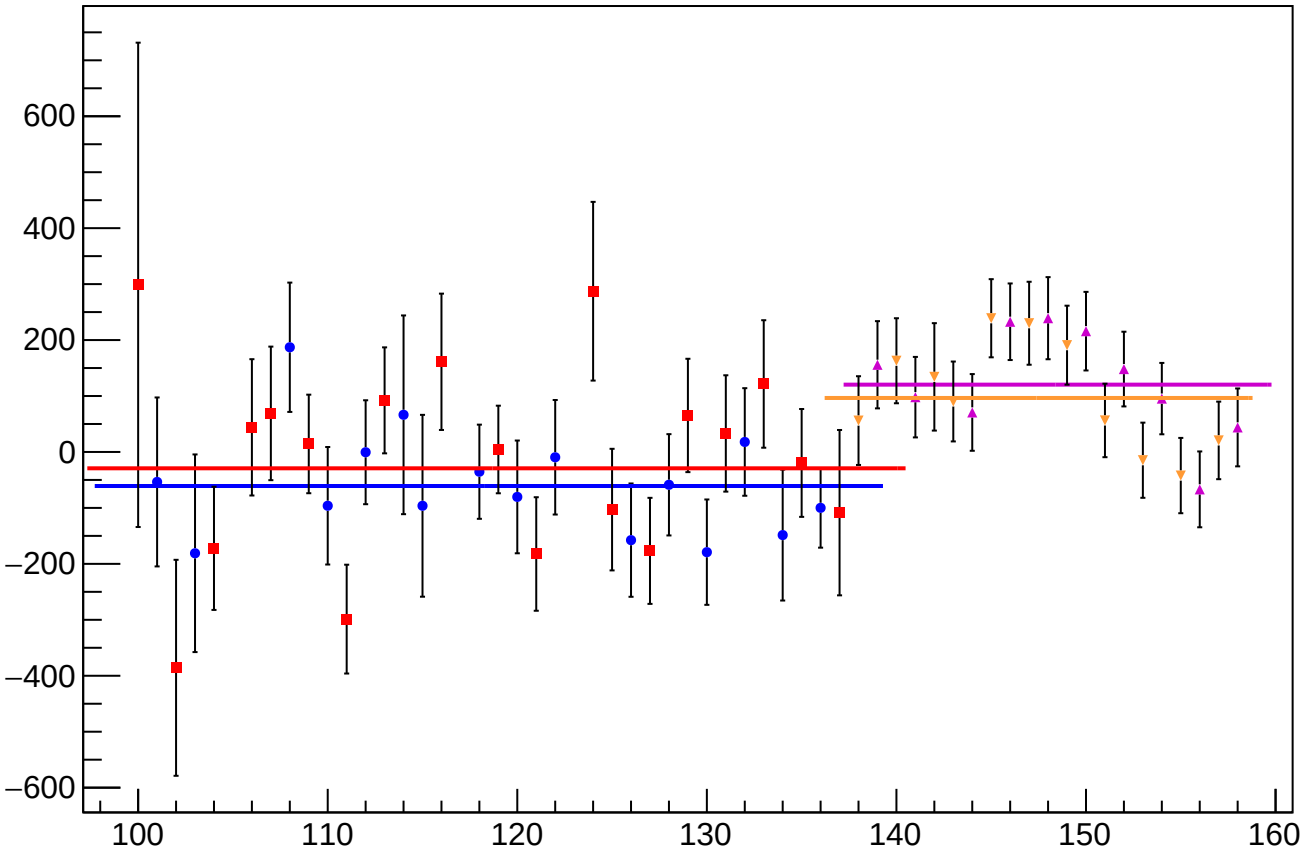
Left: 337.286+/-0.059 χ^2/NDF: 1528784.7/20

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 327.795+/-0.061 χ^2/NDF:2817558.3/25

Out: 310.205+/-0.059 χ^2/NDF:3729578.9/29

All: 318.648+/-0.042 χ^2/NDF: 6590363.6/55



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 96.501+/-21.786 χ^2/NDF:18.9/10

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 120.311+/-21.996 χ^2/NDF:17.2/9

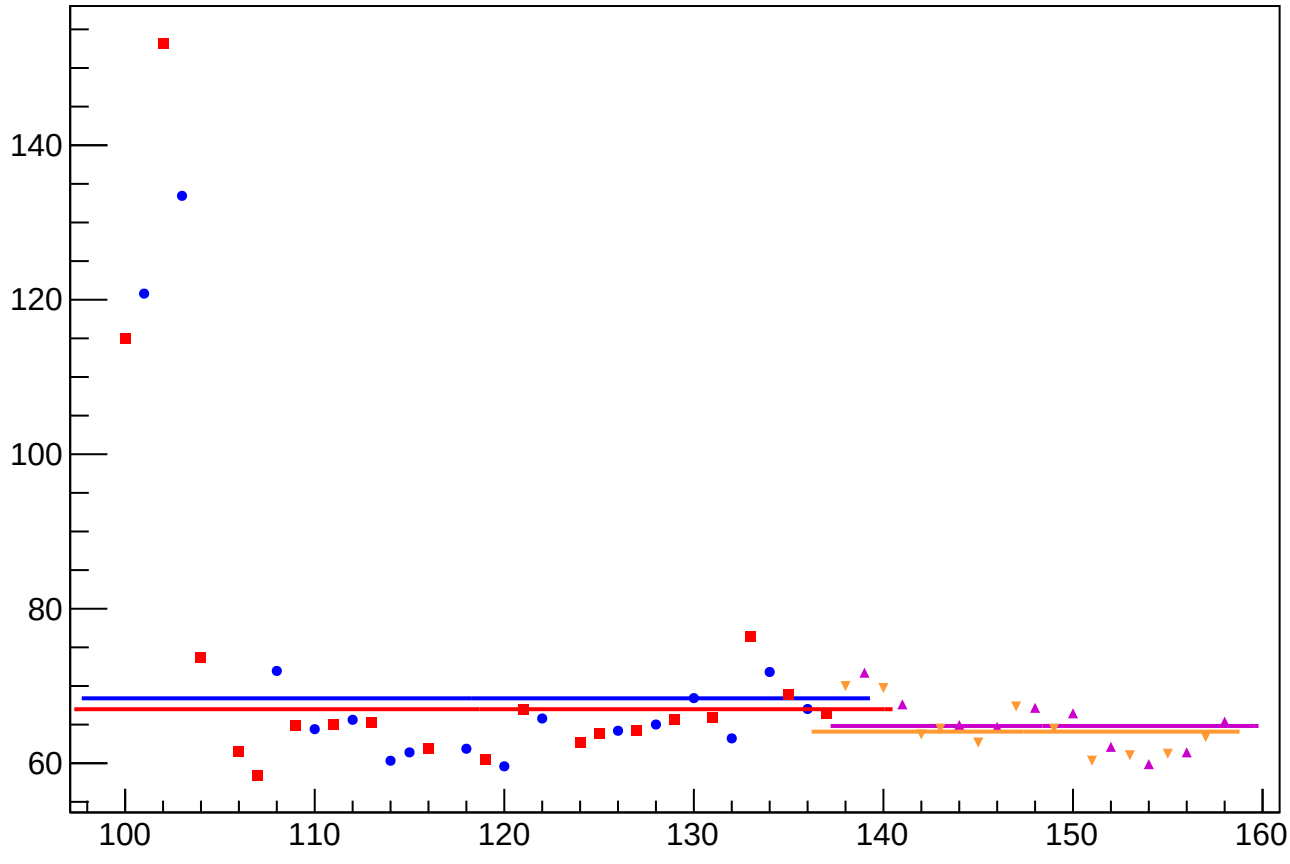
Left: 108.292+/-15.479 χ^2/NDF: 36.7/20

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 44.921+/-16.807 χ^2/NDF:56.0/25

Out: 42.589+/-16.465 χ^2/NDF:64.5/29

All: 43.731+/-11.762 χ^2/NDF: 120.5/55



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.090+/-0.015 χ^2/NDF:41420.6/10

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

Left: 64.453+/-0.011 χ^2/NDF: 84896.4/20

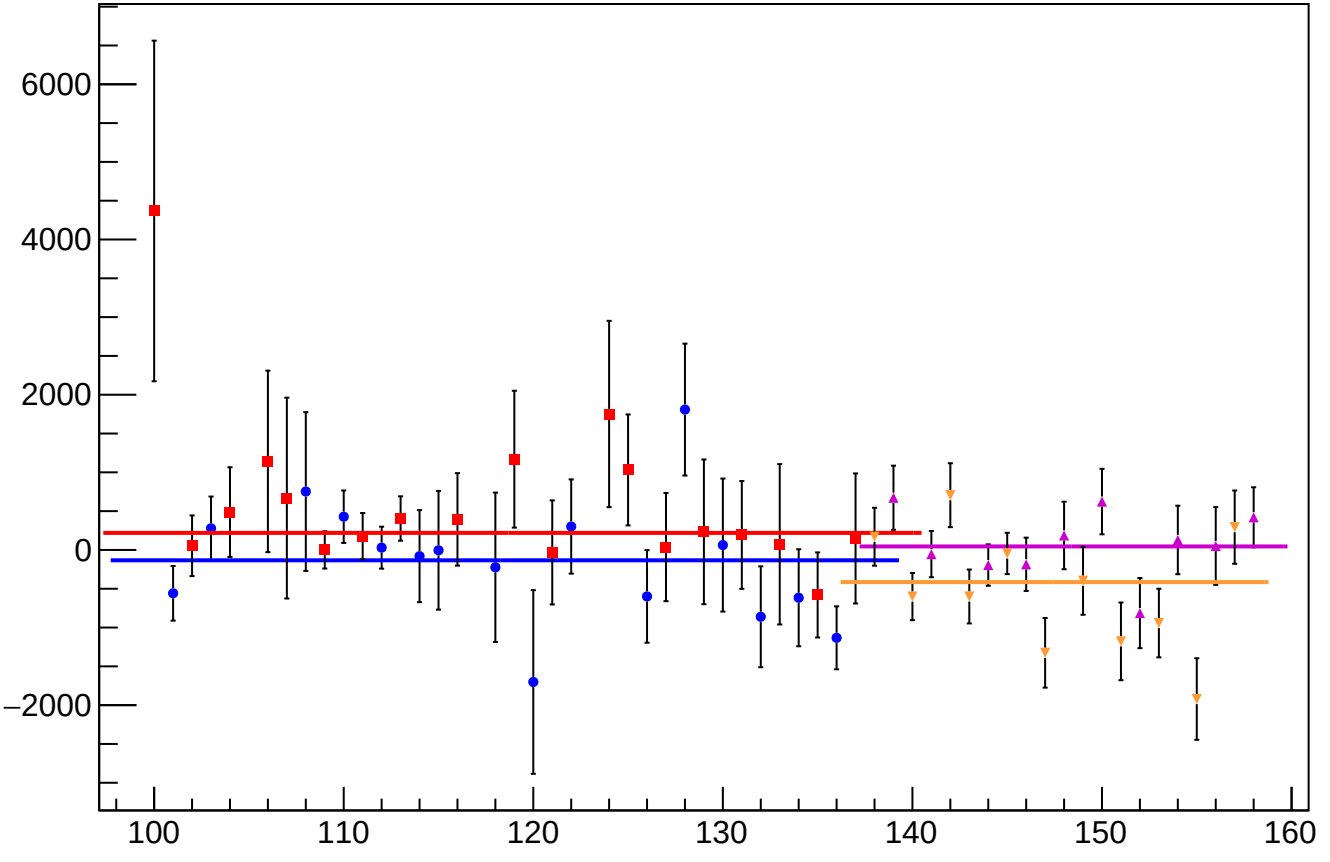
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.314+/-0.012 χ^2/NDF:633940.4/25

Out: 65.335+/-0.012 χ^2/NDF:541158.4/29

All: 65.814+/-0.008 χ^2/NDF: 1178557.7/55

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -414.420+/-116.483 χ^2/NDF:30.8/10

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 45.085+/-118.464 χ^2/NDF:10.2/9

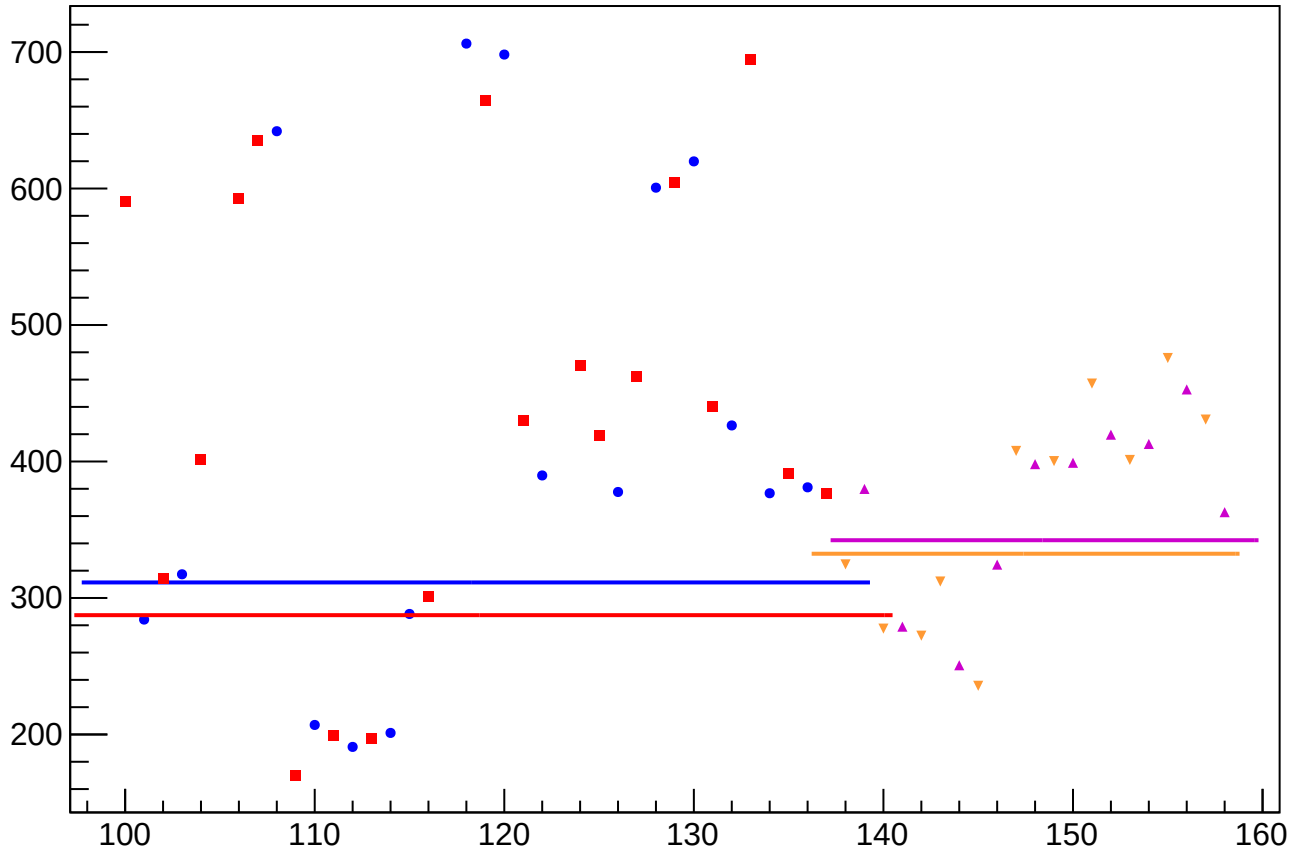
Left: -188.541+/-83.058 χ^2/NDF: 48.7/20

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -38.816+/-86.277 χ^2/NDF:33.8/25

Out: -101.475+/-82.893 χ^2/NDF:57.9/29

All: -71.398+/-59.775 χ^2/NDF: 92.0/55



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 332.419+/-0.082 χ^2/NDF:891952.5/10

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.320+/-0.084 χ^2/NDF:629729.6/9

Left: 337.286+/-0.059 χ^2/NDF: 1528784.7/20

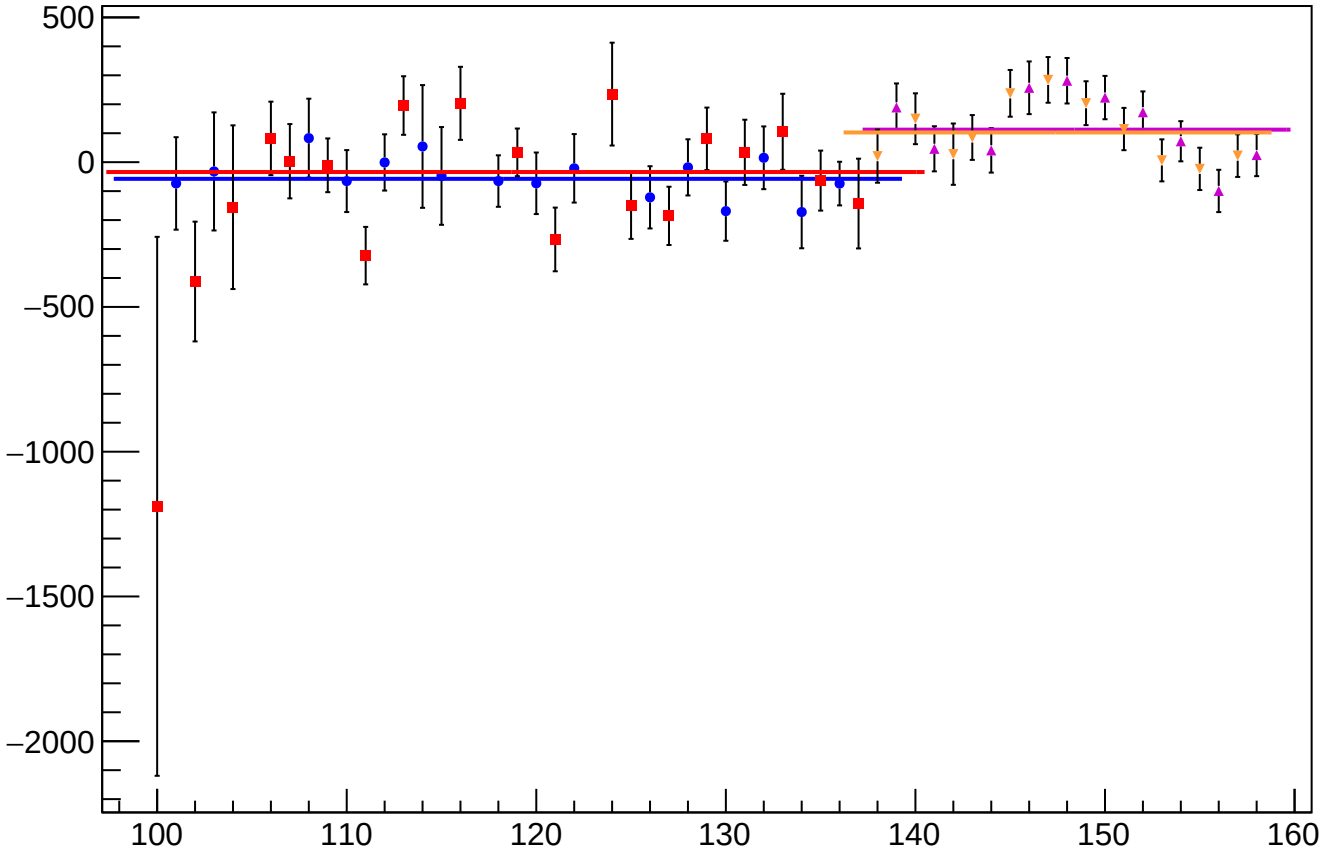
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 327.795+/-0.061 χ^2/NDF:2817558.3/25

Out: 310.205+/-0.059 χ^2/NDF:3729578.9/29

All: 318.648+/-0.042 χ^2/NDF: 6590363.6/55

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 102.605+/-23.958 χ^2/NDF:17.4/10

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 112.339+/-24.122 χ^2/NDF:22.7/9

Left: 107.439+/-16.998 χ^2/NDF: 40.2/20

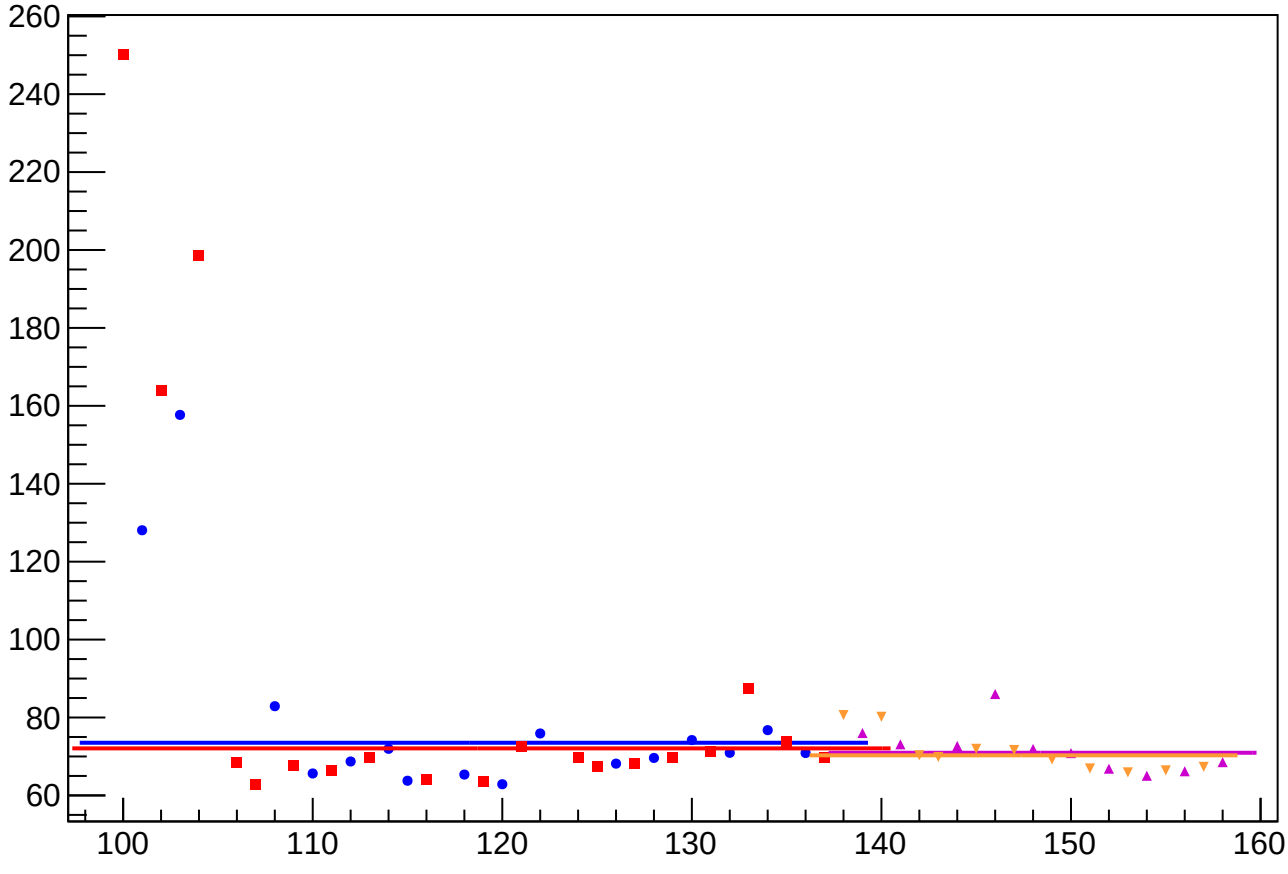
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 40.230+/-18.299 χ^2/NDF:48.6/25

Out: 43.399+/-18.035 χ^2/NDF:68.7/29

All: 41.838+/-12.845 χ^2/NDF: 117.3/55

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.292+/-0.017 χ^2/NDF:73014.6/10

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.950+/-0.017 χ^2/NDF:96928.4/9

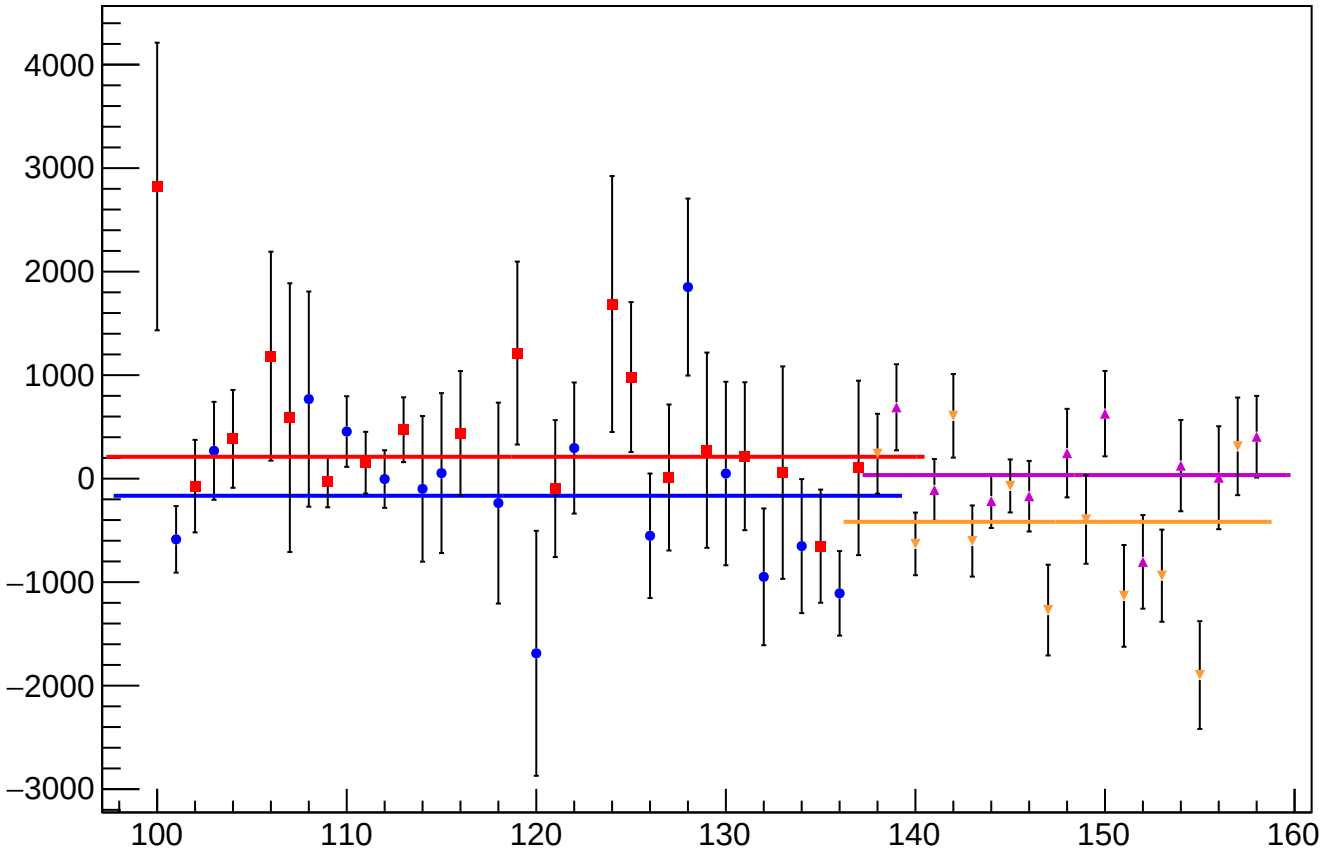
Left: 70.619+/-0.012 χ^2/NDF: 170691.4/20

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 72.041+/-0.013 χ^2/NDF:763405.7/25

Out: 71.064+/-0.013 χ^2/NDF:1036302.0/29

All: 71.545+/-0.009 χ^2/NDF: 1802594.6/55



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -417.341+/-115.087 χ^2/NDF:29.7/10

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 34.895+/-117.697 χ^2/NDF:10.7/9

Left: -196.293+/-82.286 χ^2/NDF: 47.9/20

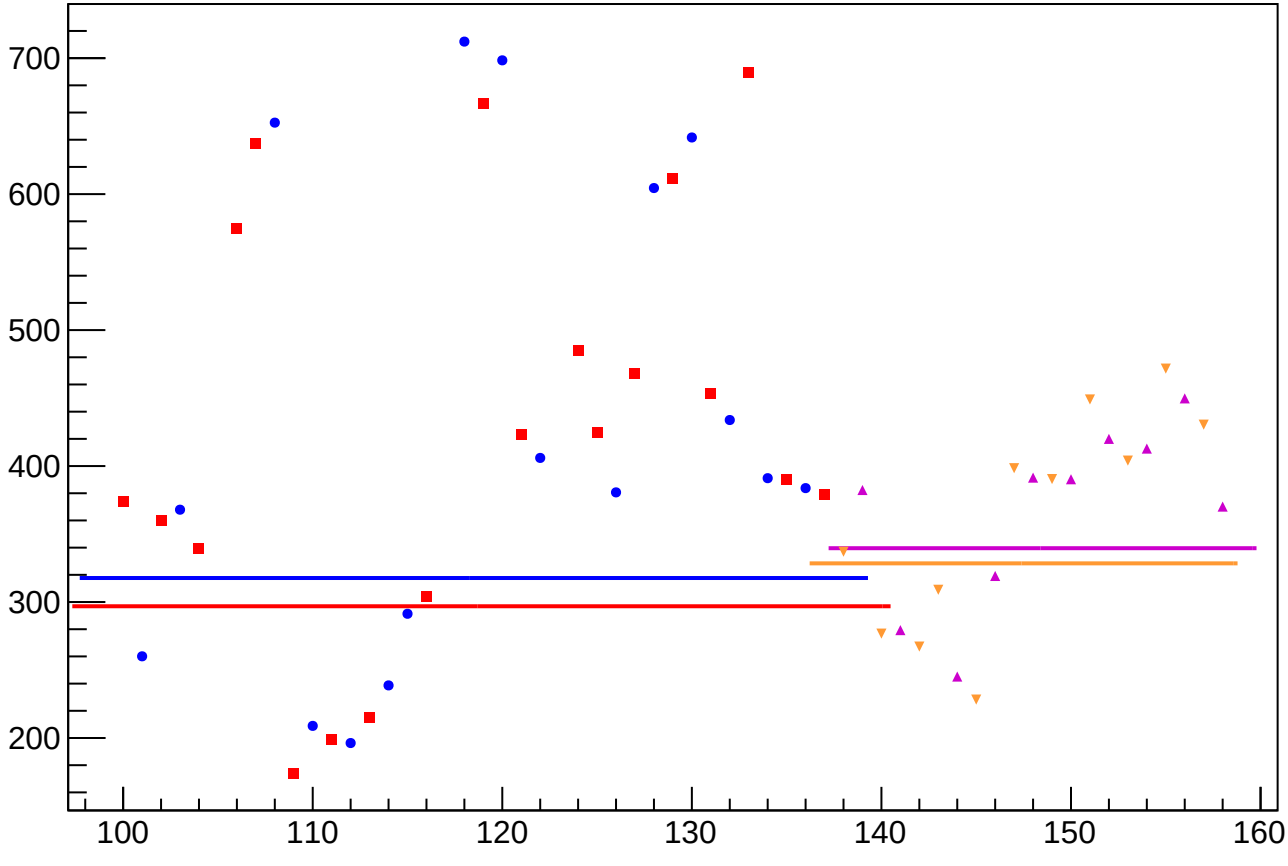
Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -56.575+/-86.774 χ^2/NDF:34.6/25

Out: -116.447+/-83.102 χ^2/NDF:57.6/29

All: -87.804+/-60.018 χ^2/NDF: 92.5/55

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 328.439+/-0.081 χ^2/NDF:932968.9/10

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 339.587+/-0.083 χ^2/NDF:660376.9/9

Left: 333.888+/-0.058 χ^2/NDF: 1602519.5/20

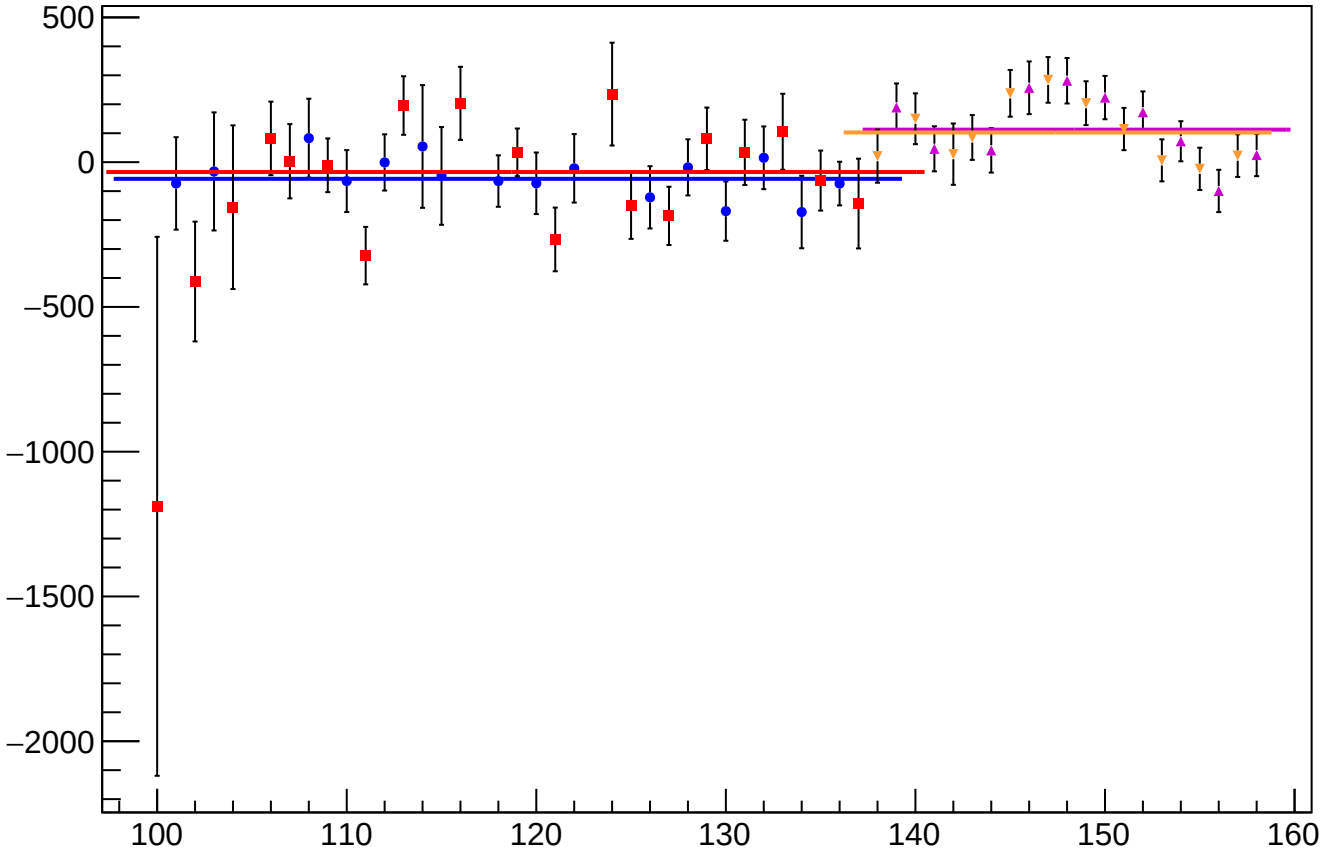
Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 329.580+/-0.061 χ^2/NDF:2828244.2/25

Out: 313.338+/-0.059 χ^2/NDF:3545949.4/29

All: 321.109+/-0.042 χ^2/NDF: 6410742.9/55

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 102.605+/-23.958 χ^2/NDF:17.4/10

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 112.339+/-24.122 χ^2/NDF:22.7/9

Left: 107.439+/-16.998 χ^2/NDF: 40.2/20

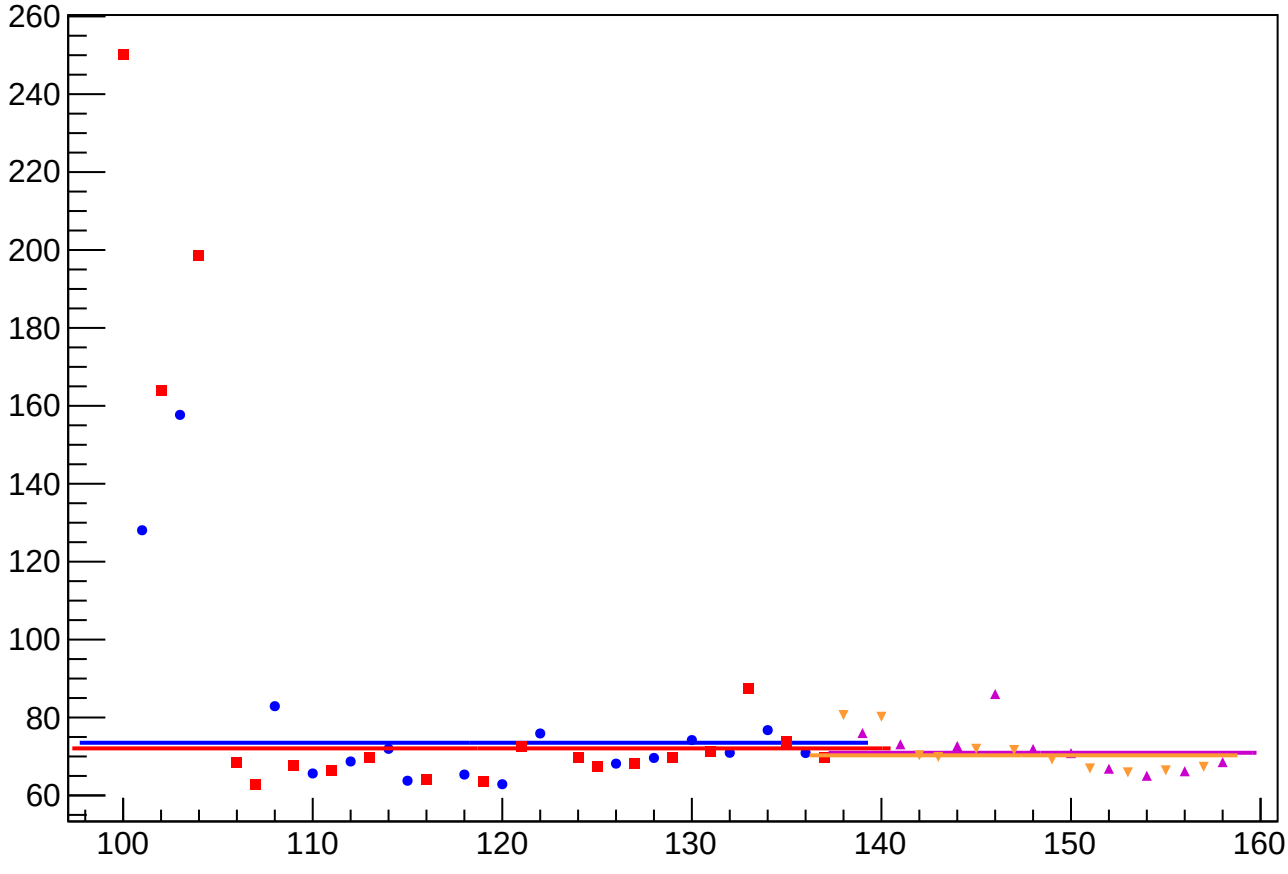
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 40.230+/-18.299 χ^2/NDF:48.6/25

Out: 43.398+/-18.035 χ^2/NDF:68.7/29

All: 41.837+/-12.845 χ^2/NDF: 117.3/55

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.292+/-0.017 χ^2/NDF:73014.2/10

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.950+/-0.017 χ^2/NDF:96928.9/9

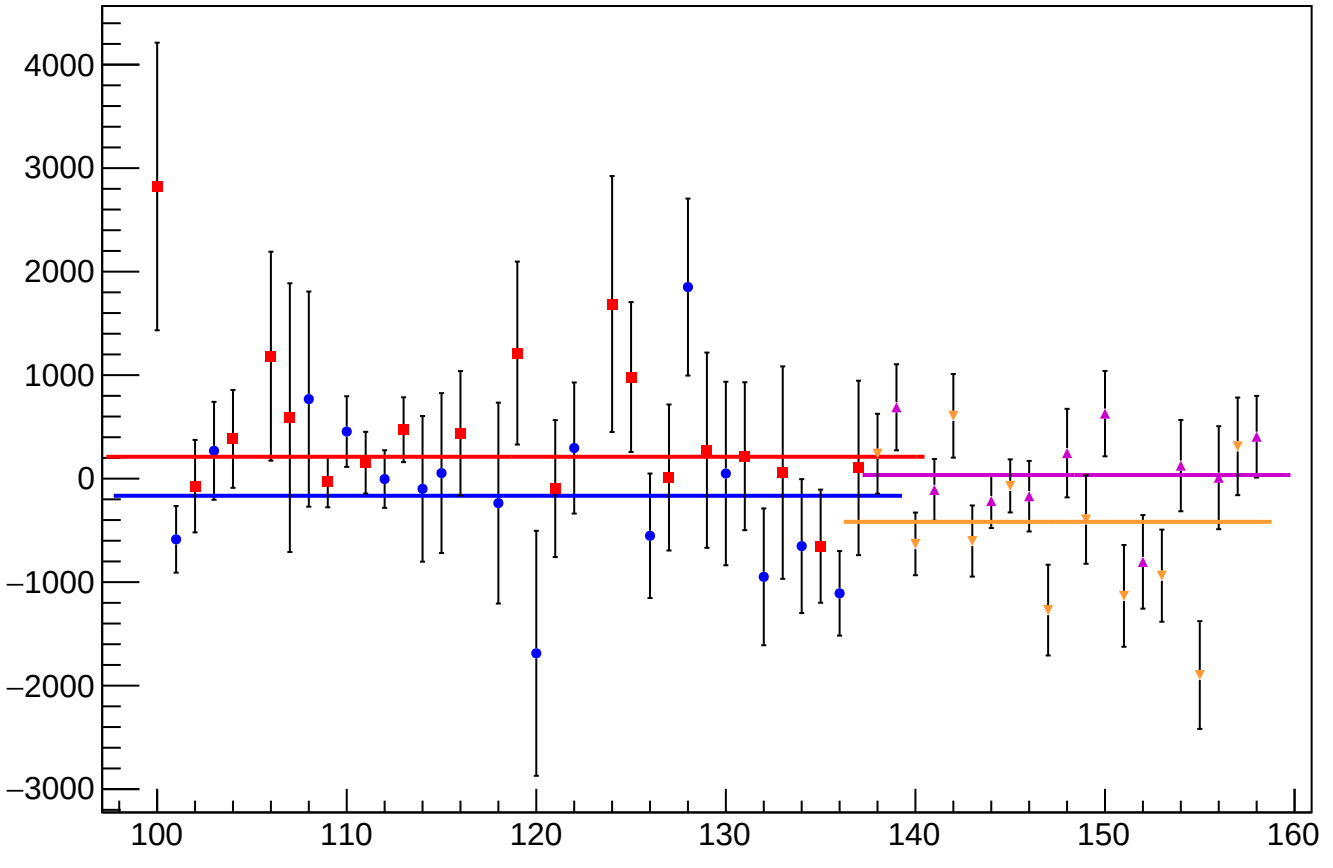
Left: 70.619+/-0.012 χ^2/NDF: 170691.4/20

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 72.040+/-0.013 χ^2/NDF:763406.8/25

Out: 71.064+/-0.013 χ^2/NDF:1036302.2/29

All: 71.545+/-0.009 χ^2/NDF: 1802595.8/55



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -417.341+/-115.087 χ^2/NDF:29.7/10

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 34.895+/-117.697 χ^2/NDF:10.7/9

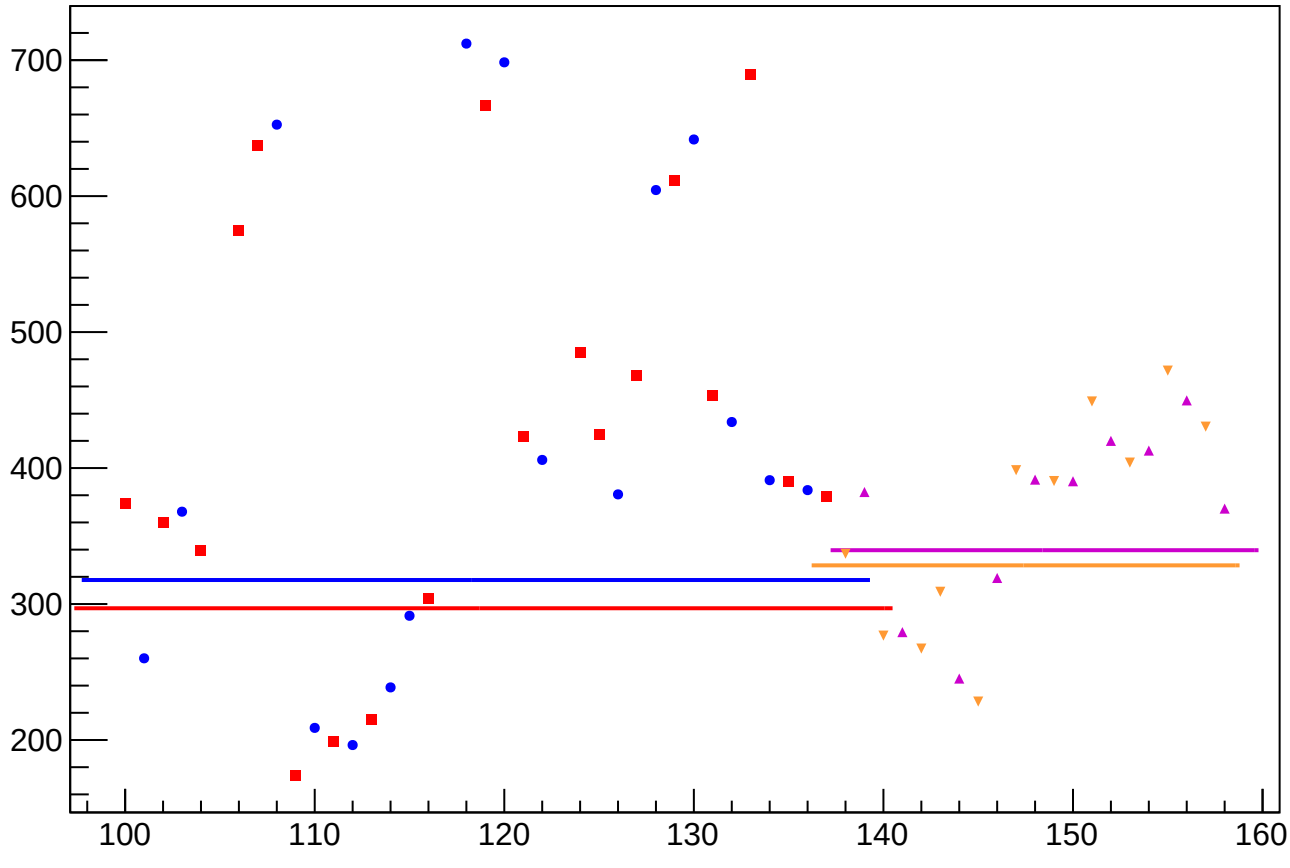
Left: -196.293+/-82.286 χ^2/NDF: 47.9/20

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -56.575+/-86.773 χ^2/NDF:34.6/25

Out: -116.447+/-83.102 χ^2/NDF:57.6/29

All: -87.804+/-60.018 χ^2/NDF: 92.5/55



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 328.438+/-0.081 χ^2/NDF:932980.3/10

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 339.587+/-0.083 χ^2/NDF:660383.1/9

Left: 333.888+/-0.058 χ^2/NDF: 1602537.4/20

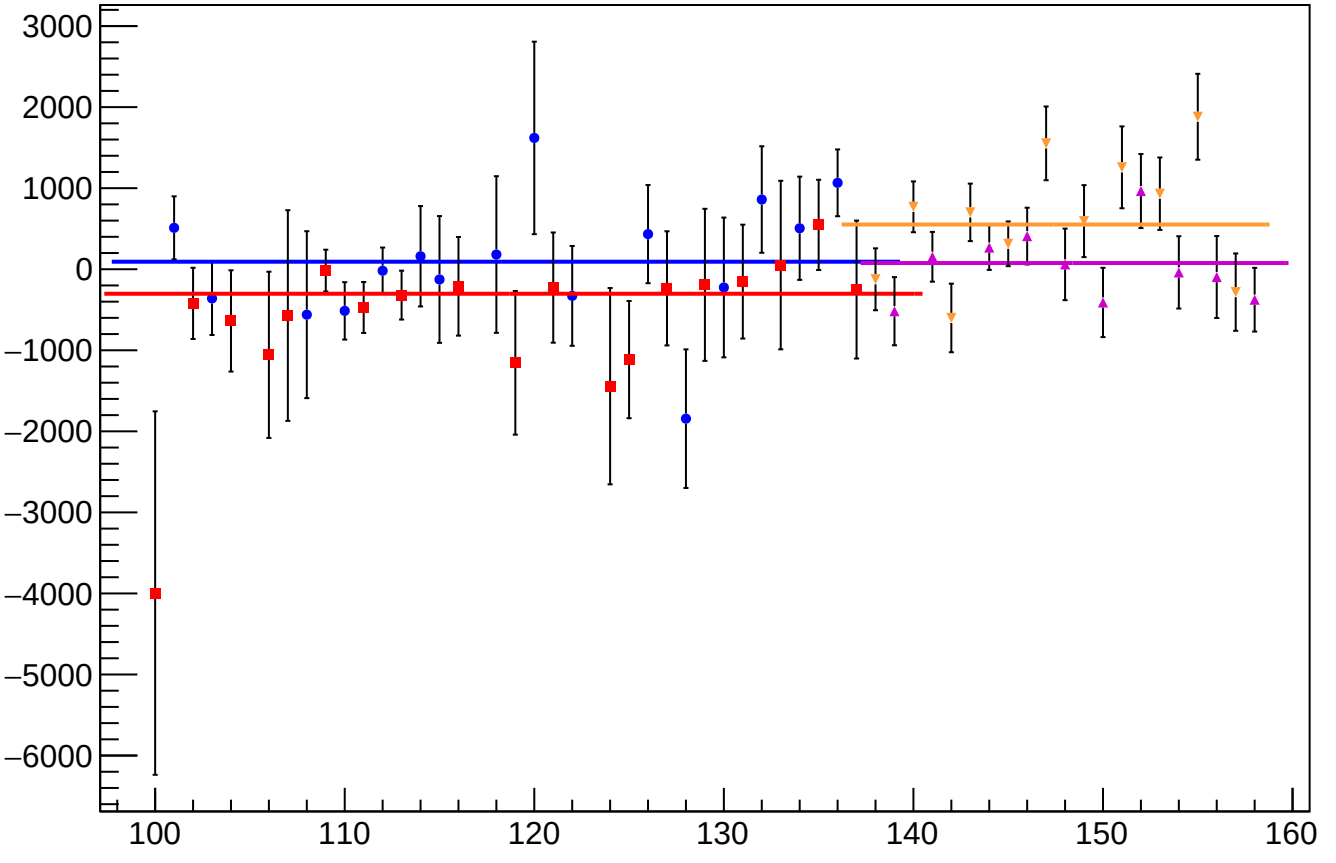
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 329.579+/-0.061 χ^2/NDF:2828288.7/25

Out: 313.337+/-0.059 χ^2/NDF:3545977.0/29

All: 321.107+/-0.042 χ^2/NDF: 6410813.9/55

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 551.758+/-119.116 χ^2/NDF:28.8/10

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 76.521+/-120.950 χ^2/NDF:10.0/9

Left: 317.770+/-84.869 χ^2/NDF: 46.7/20

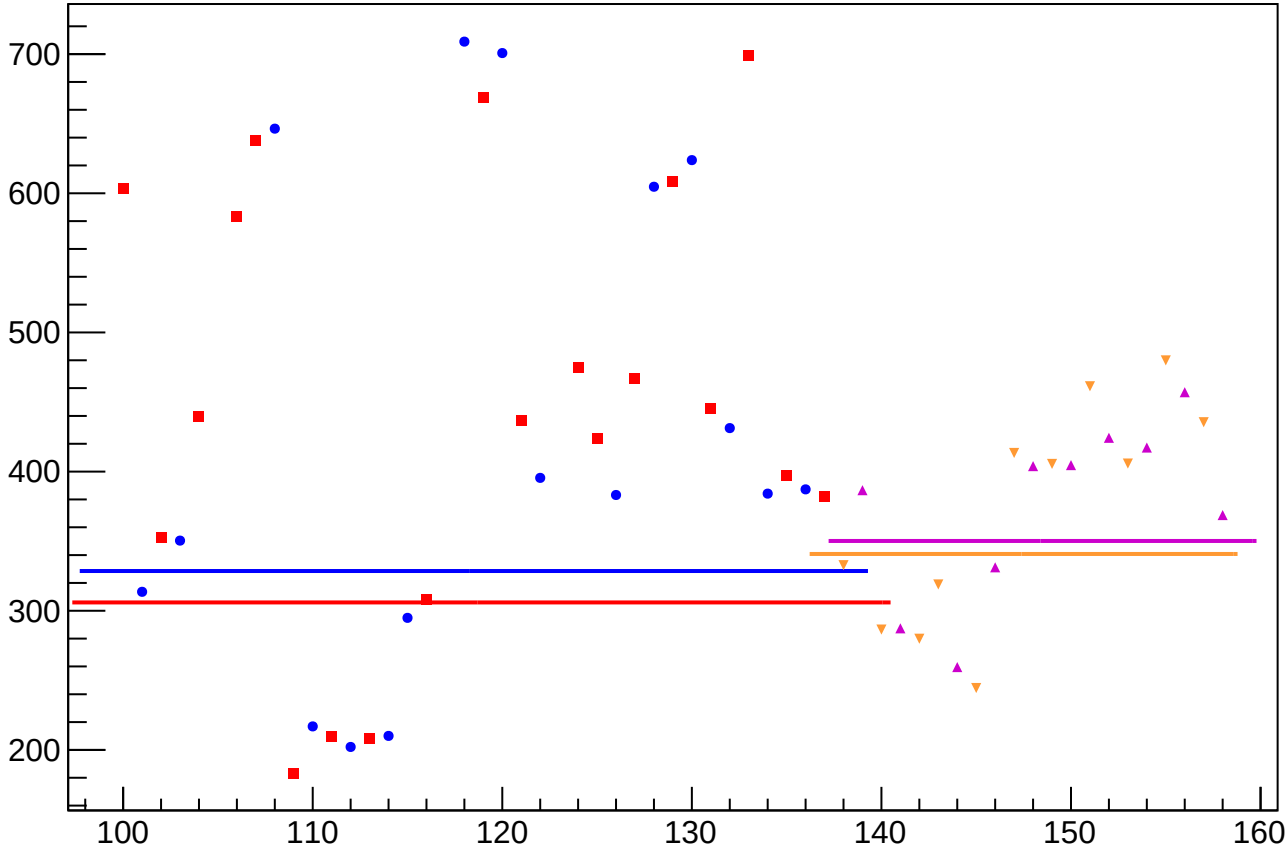
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 83.957+/-89.153 χ^2/NDF:30.9/25

Out: 141.606+/-85.875 χ^2/NDF:64.3/29

All: 113.861+/-61.849 χ^2/NDF: 95.4/55

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 340.814+/-0.084 χ^2/NDF:819844.6/10

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 350.160+/-0.086 χ^2/NDF:574407.1/9

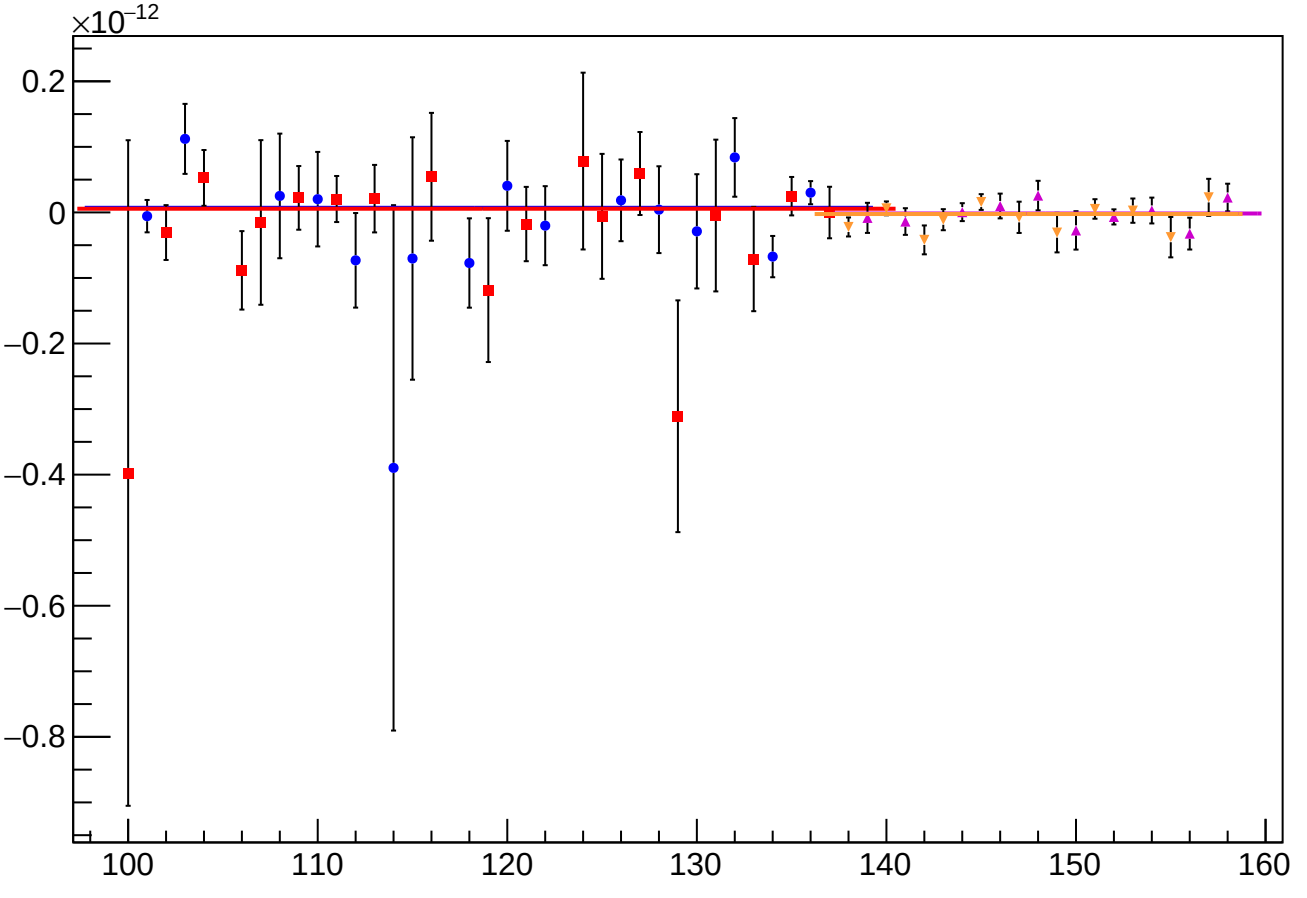
Left: 345.416+/-0.060 χ^2/NDF: 1400314.2/20

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 340.299+/-0.063 χ^2/NDF:2562393.1/25

Out: 324.089+/-0.061 χ^2/NDF:3429412.6/29

All: 331.890+/-0.044 χ^2/NDF: 6026104.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

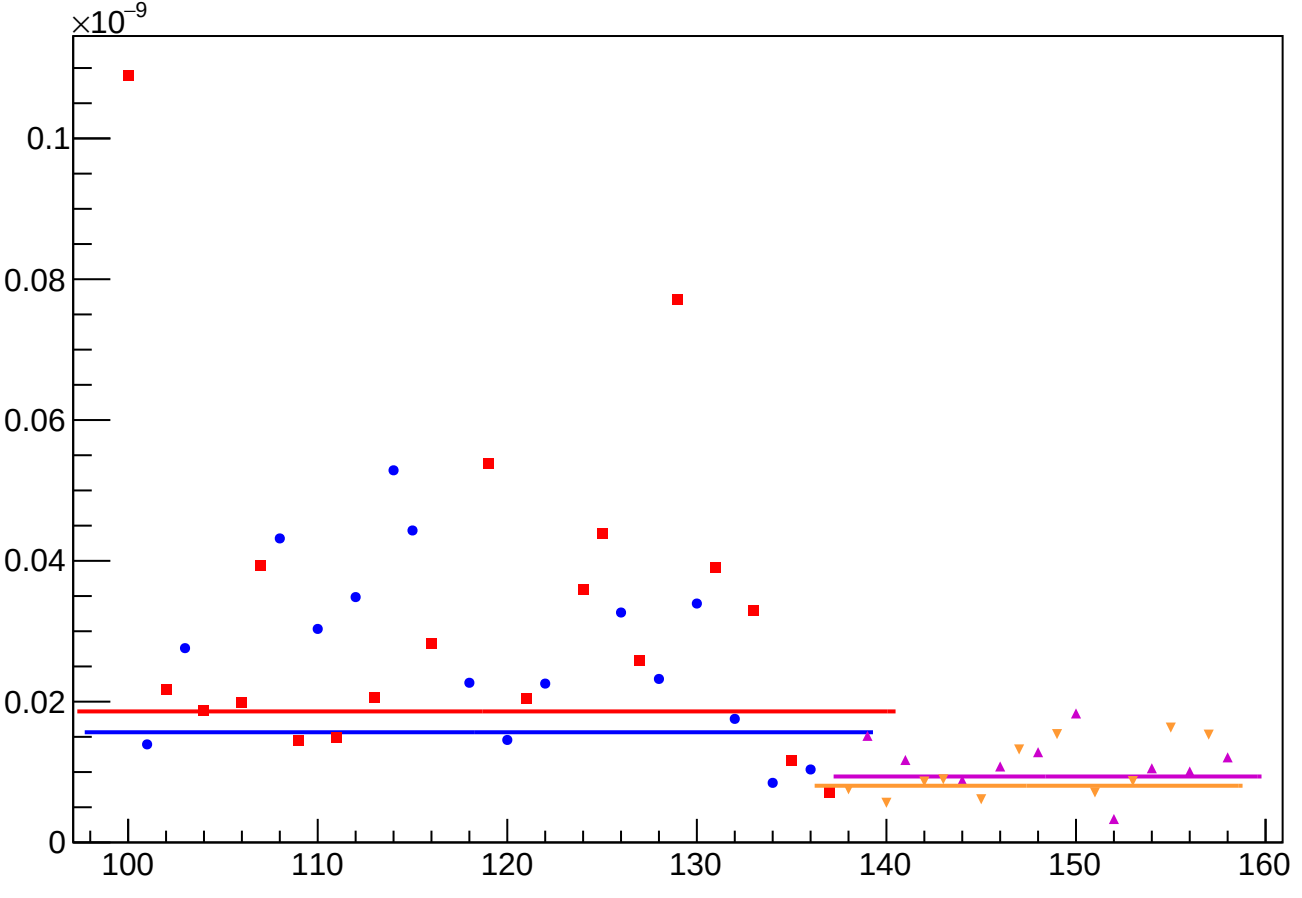
Left: -0.000+/-0.000 χ^2/NDF: 18.0/20

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:24.5/25

Out: -0.000+/-0.000 χ^2/NDF:24.9/29

All: -0.000+/-0.000 χ^2/NDF: 49.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:664417.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:990927.2/9

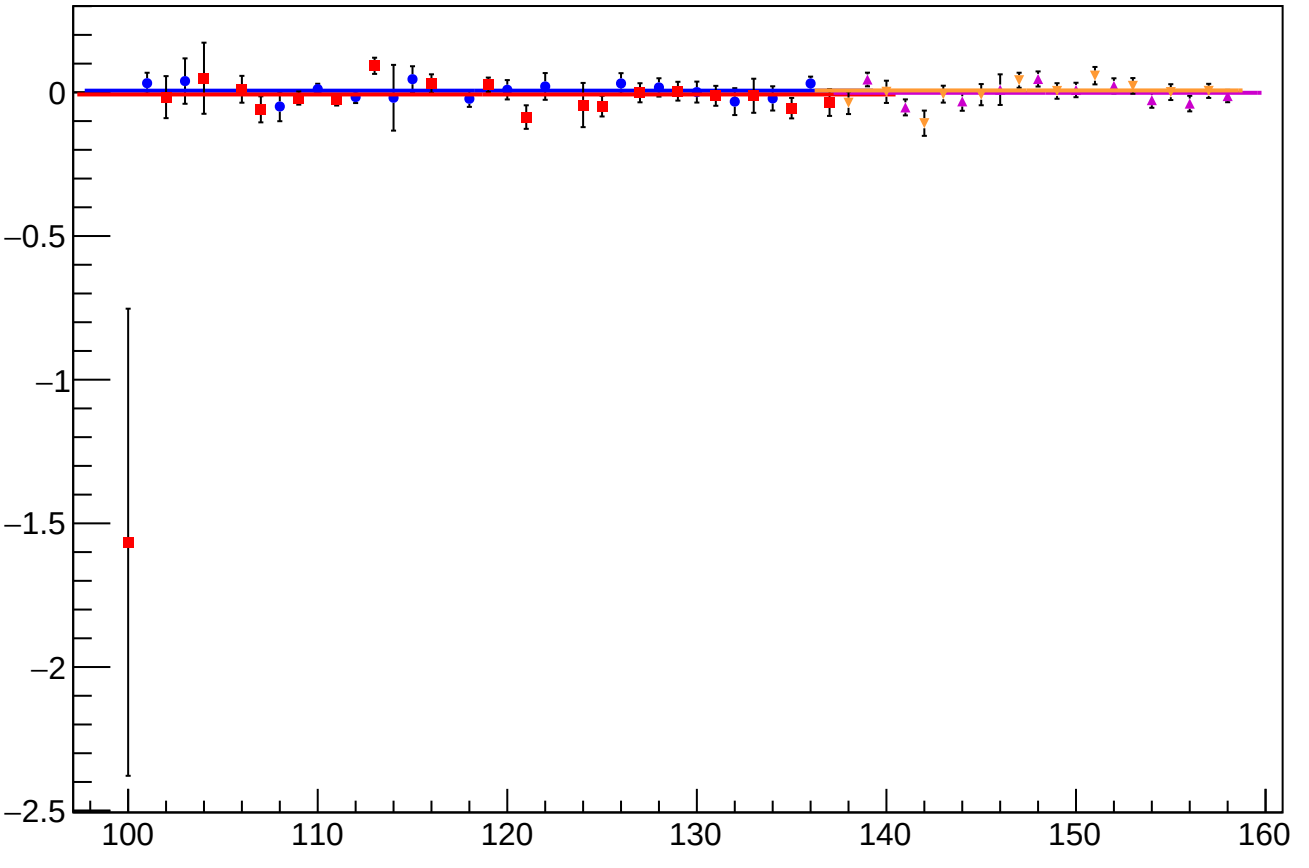
Left: 0.000+/-0.000 χ^2/NDF: 1713608.1/20

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2669236.4/25

Out: 0.000+/-0.000 χ^2/NDF:3064642.6/29

All: 0.000+/-0.000 χ^2/NDF: 5801200.7/55



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.009 χ^2/NDF:15.4/9

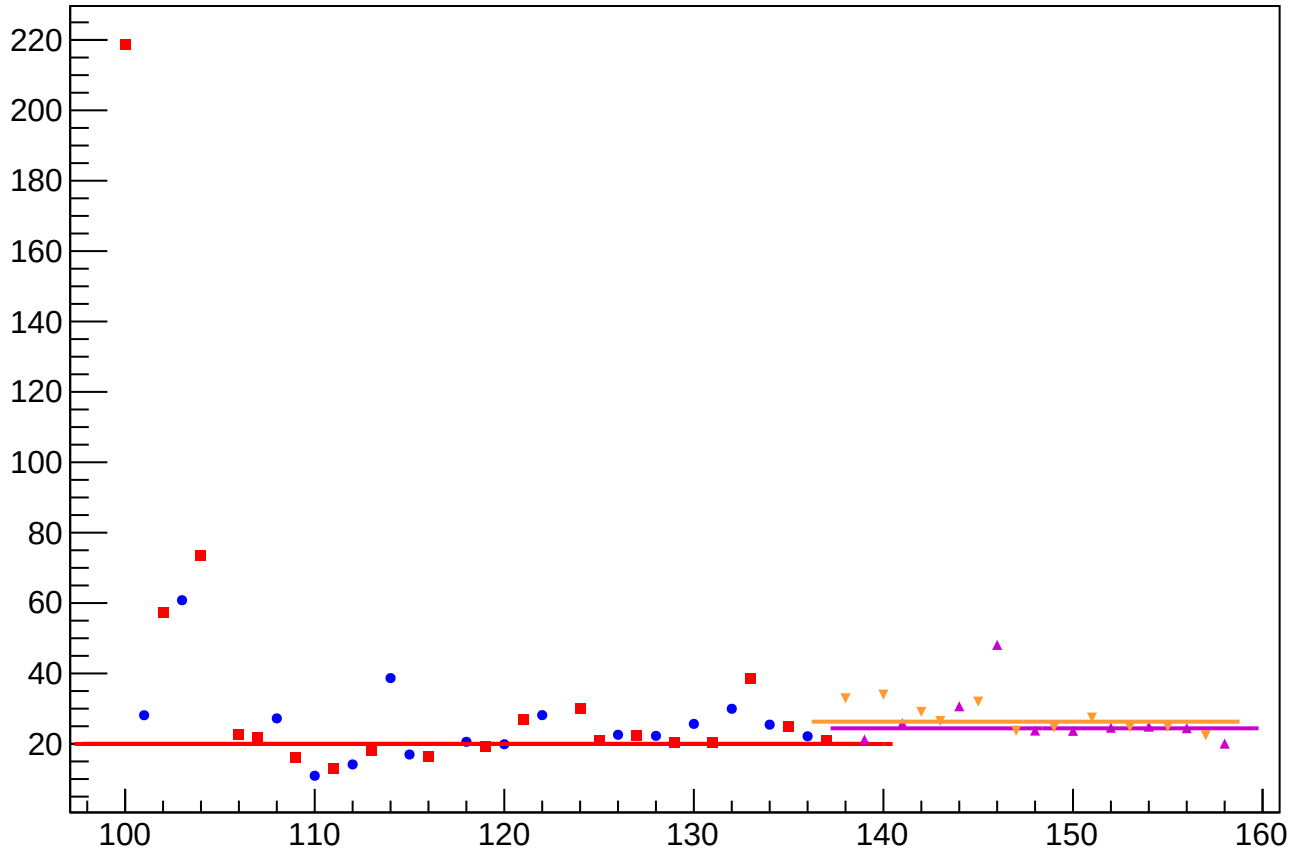
Left: 0.002+/-0.006 χ^2/NDF: 29.2/20

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:23.7/25

Out: -0.001+/-0.006 χ^2/NDF:44.5/29

All: 0.001+/-0.004 χ^2/NDF: 68.3/55



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.305+/-0.006 χ^2/NDF:281659.0/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.404+/-0.006 χ^2/NDF:594586.4/9

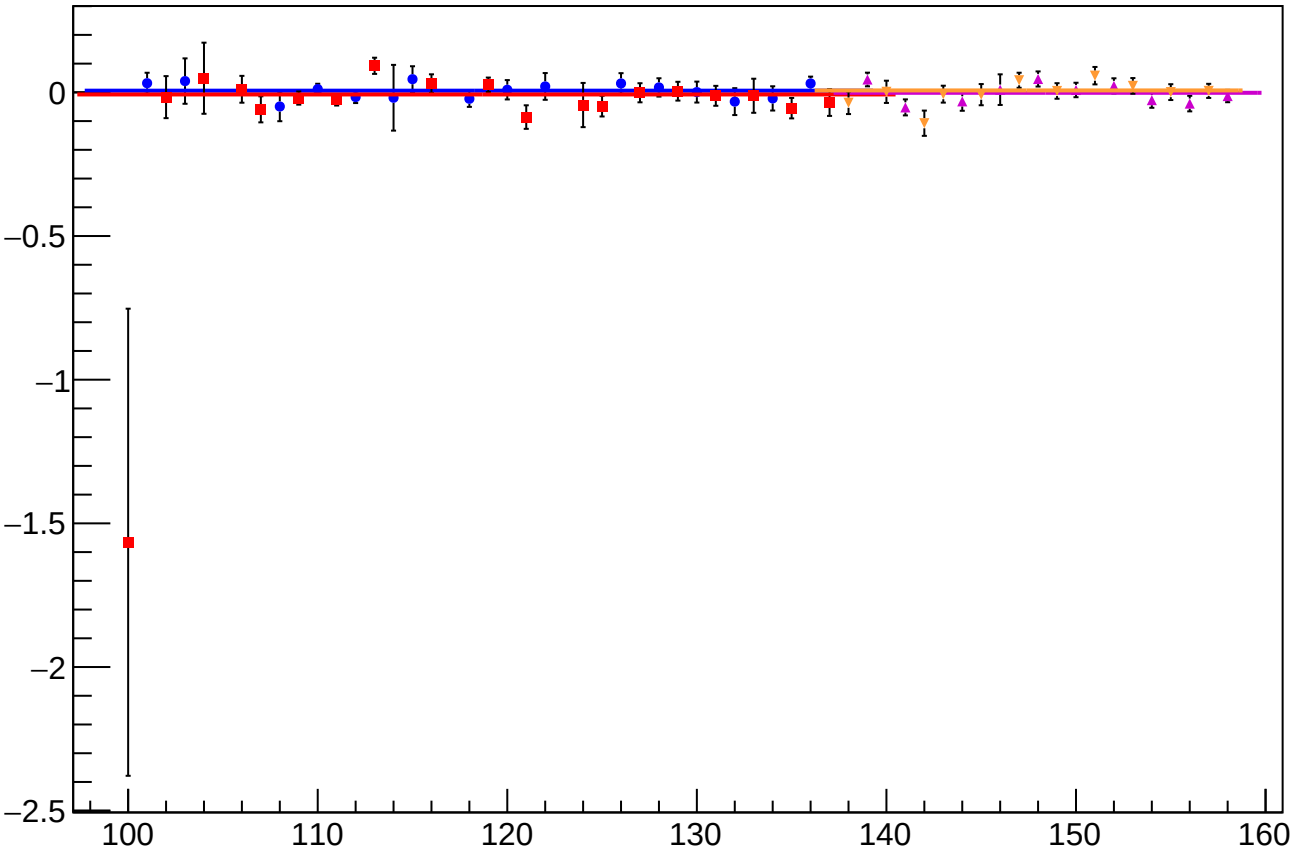
Left: 25.288+/-0.004 χ^2/NDF: 922404.5/20

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.106+/-0.004 χ^2/NDF:2513934.0/25

Out: 22.747+/-0.004 χ^2/NDF:2537414.9/29

All: 22.417+/-0.003 χ^2/NDF: 5062831.6/55



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.009 χ^2/NDF:15.4/9

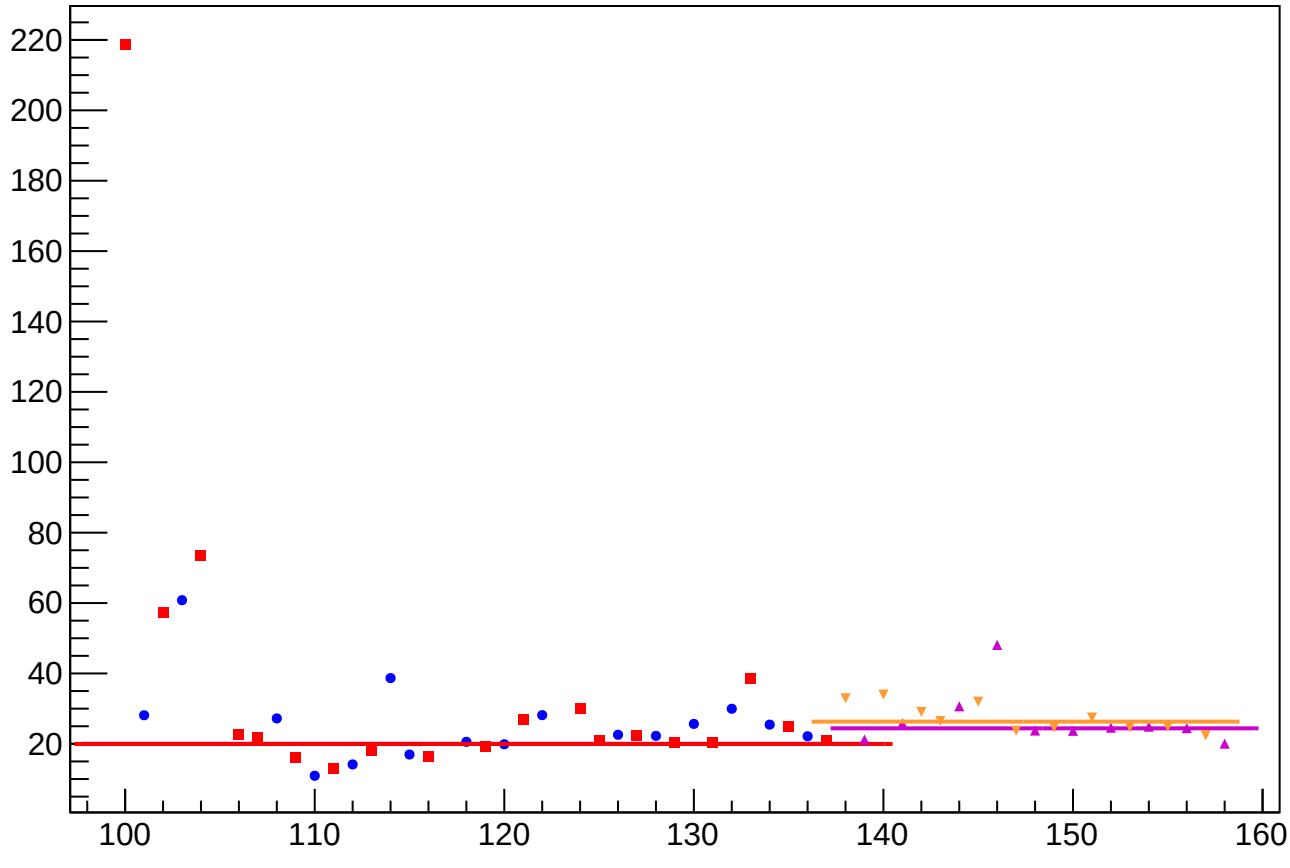
Left: 0.002+/-0.006 χ^2/NDF: 29.2/20

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:23.7/25

Out: -0.001+/-0.006 χ^2/NDF:44.5/29

All: 0.001+/-0.004 χ^2/NDF: 68.3/55



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.305+/-0.006 χ^2/NDF:281659.0/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.404+/-0.006 χ^2/NDF:594586.4/9

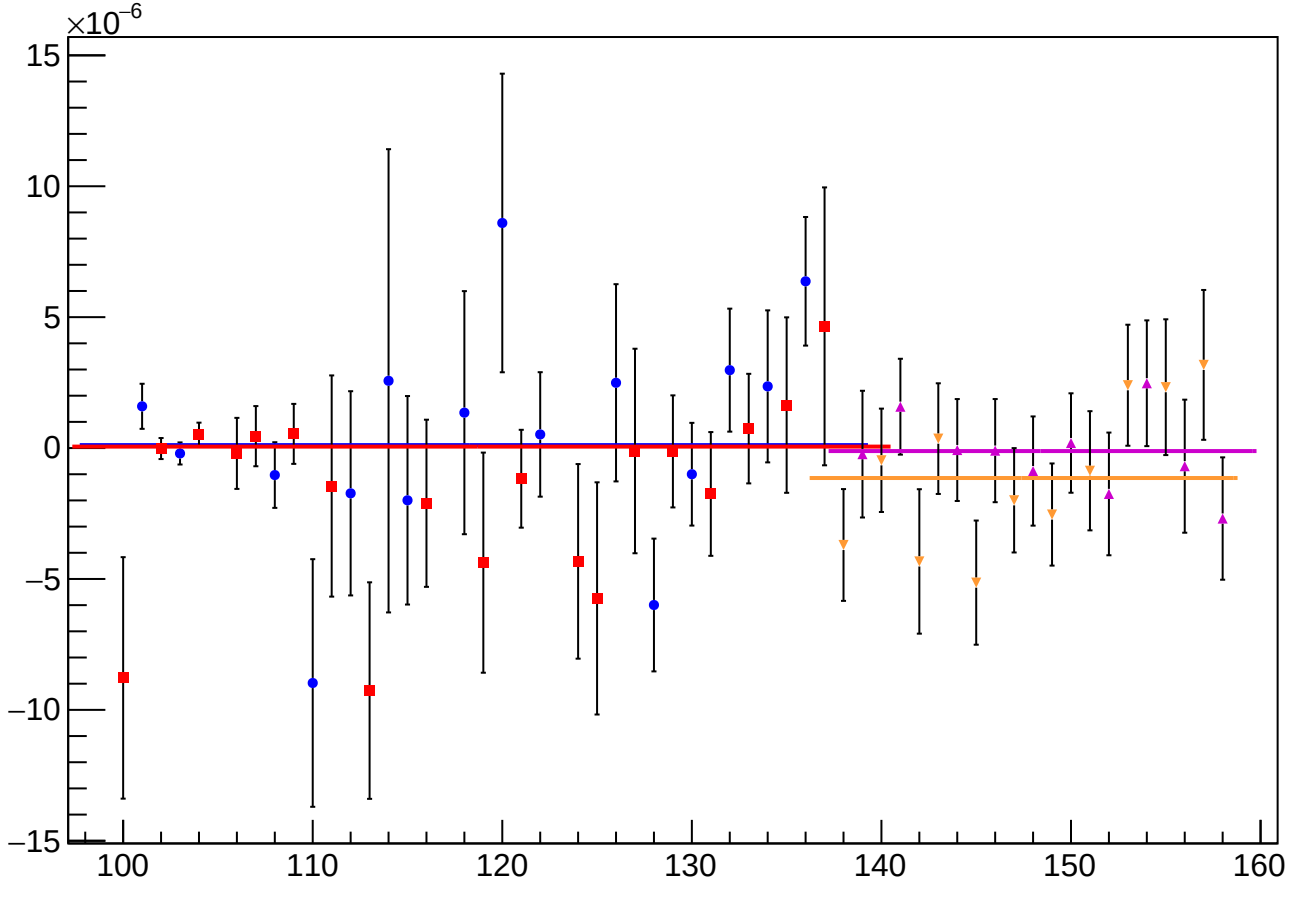
Left: 25.288+/-0.004 χ^2/NDF: 922404.5/20

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.106+/-0.004 χ^2/NDF:2513934.0/25

Out: 22.747+/-0.004 χ^2/NDF:2537414.9/29

All: 22.417+/-0.003 χ^2/NDF: 5062831.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/9

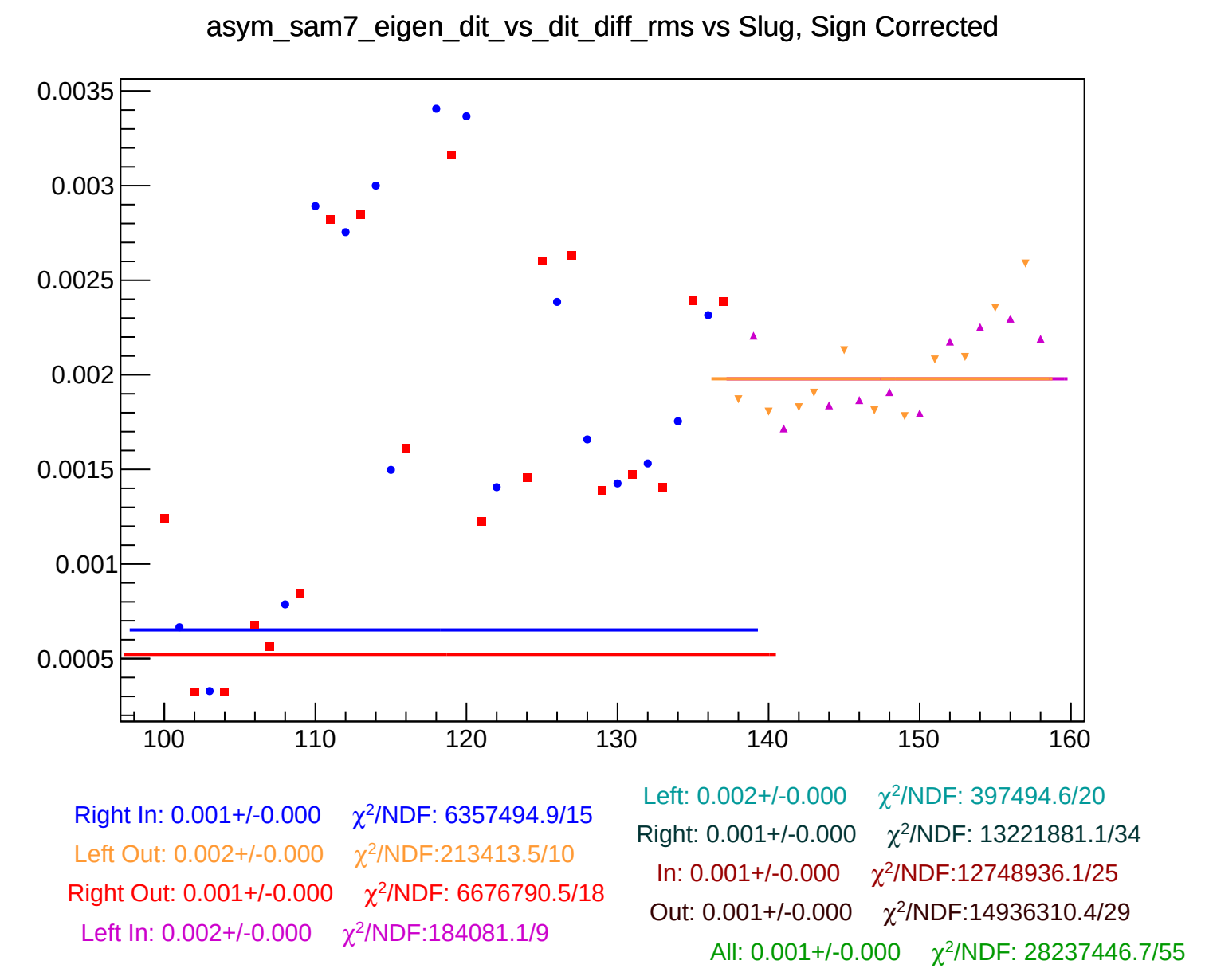
Left: -0.000+/-0.000 χ^2/NDF: 18.5/20

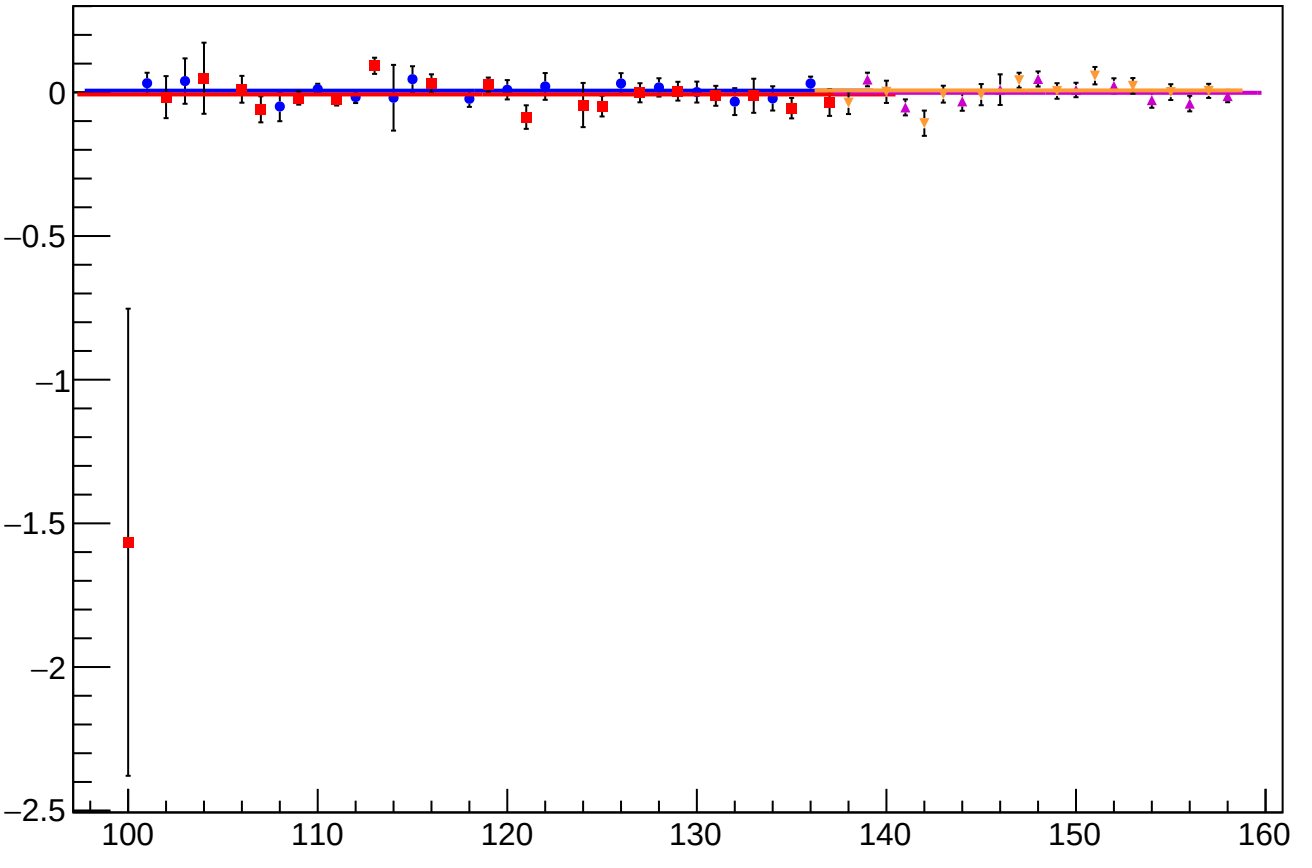
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:30.1/25

Out: -0.000+/-0.000 χ^2/NDF:33.2/29

All: -0.000+/-0.000 χ^2/NDF: 63.5/55


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
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:213413.5/10
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:184081.1/9
Left: 0.002+/-0.000 χ²/NDF: 397494.6/20
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:12748936.1/25
Out: 0.001+/-0.000 χ²/NDF:14936310.4/29
All: 0.001+/-0.000 χ²/NDF: 28237446.7/55



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.009 χ^2/NDF:15.4/9

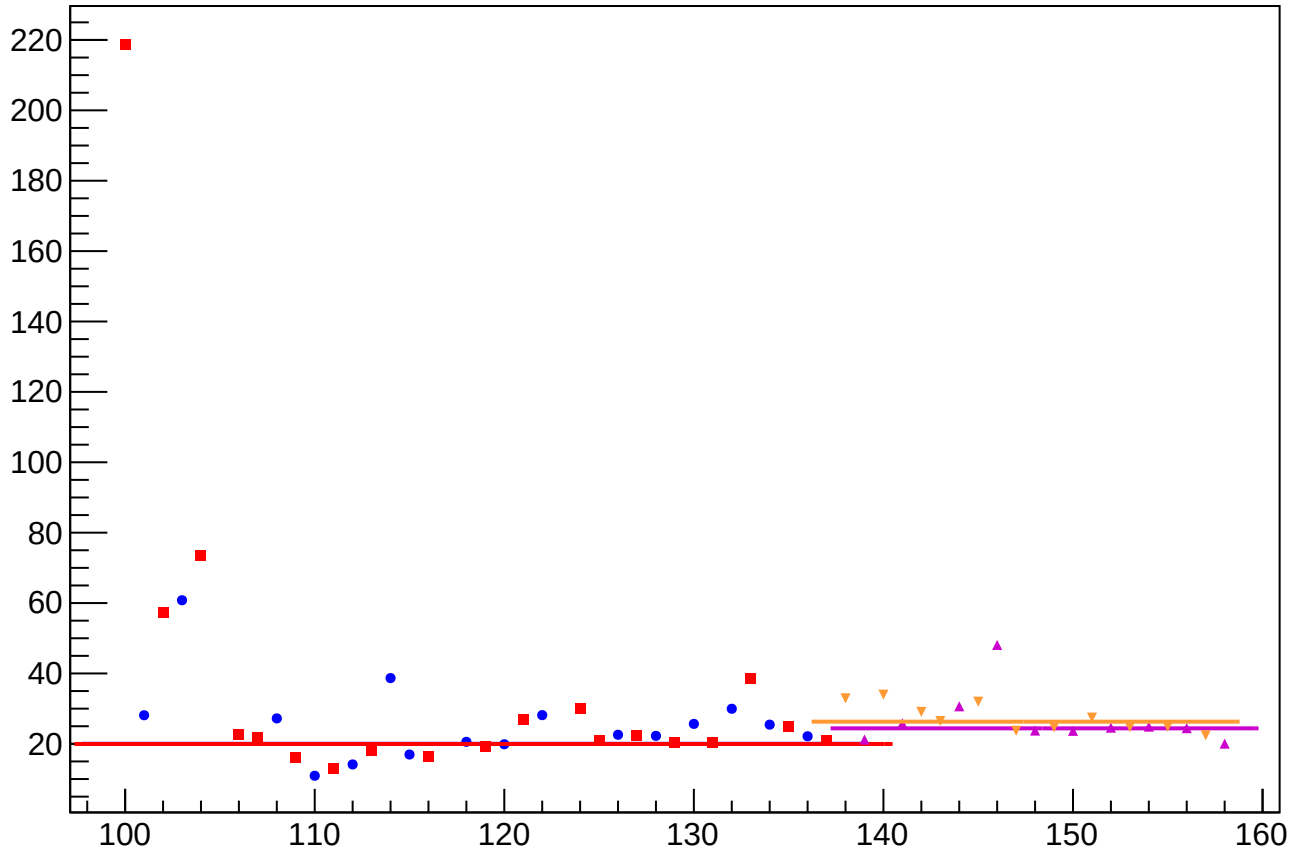
Left: 0.002+/-0.006 χ^2/NDF: 29.2/20

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:23.7/25

Out: -0.001+/-0.006 χ^2/NDF:44.5/29

All: 0.001+/-0.004 χ^2/NDF: 68.3/55



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.305+/-0.006 χ^2/NDF:281670.1/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.404+/-0.006 χ^2/NDF:594605.5/9

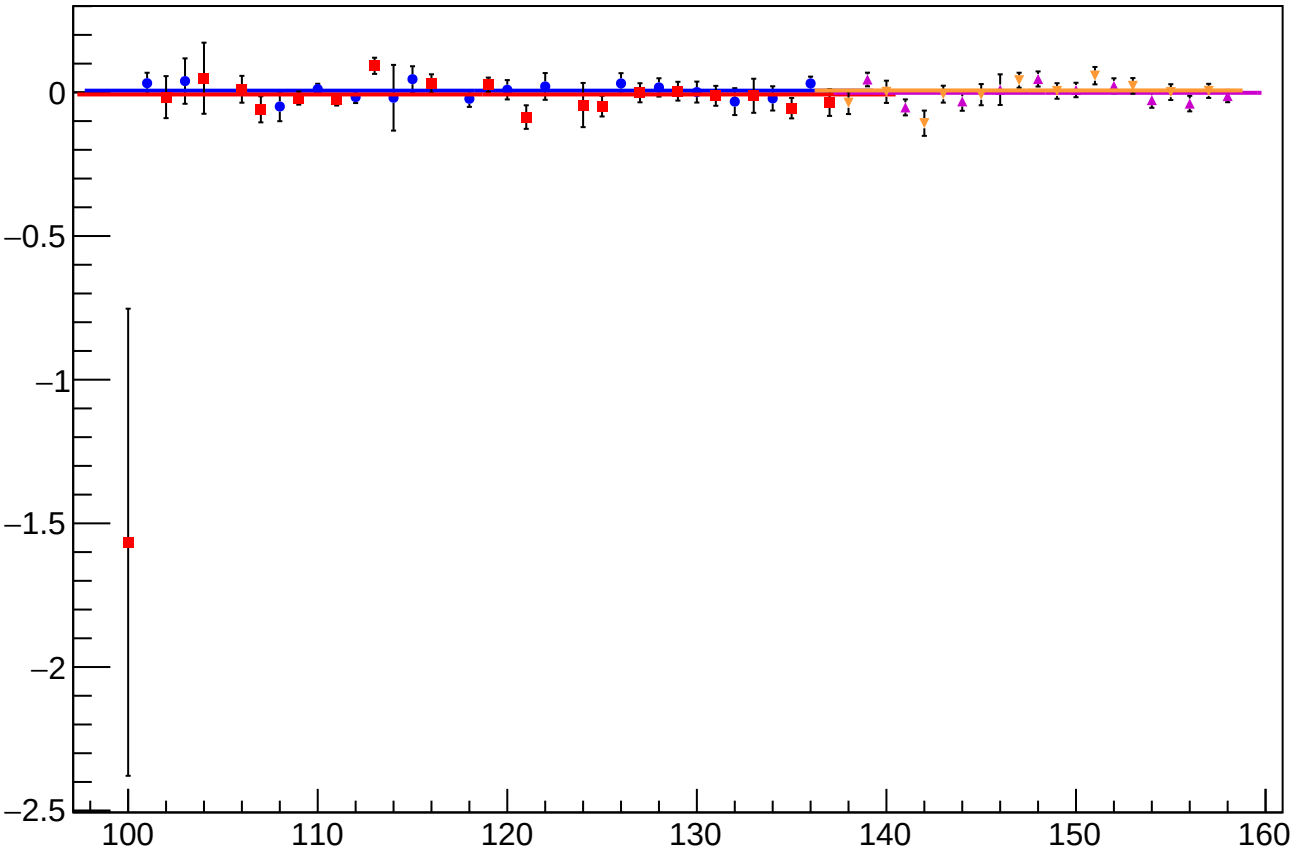
Left: 25.288+/-0.004 χ^2/NDF: 922440.4/20

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.106+/-0.004 χ^2/NDF:2513710.7/25

Out: 22.747+/-0.004 χ^2/NDF:2537350.3/29

All: 22.418+/-0.003 χ^2/NDF: 5062538.1/55



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.009 χ^2/NDF:15.4/9

Left: 0.002+/-0.006 χ^2/NDF: 29.2/20

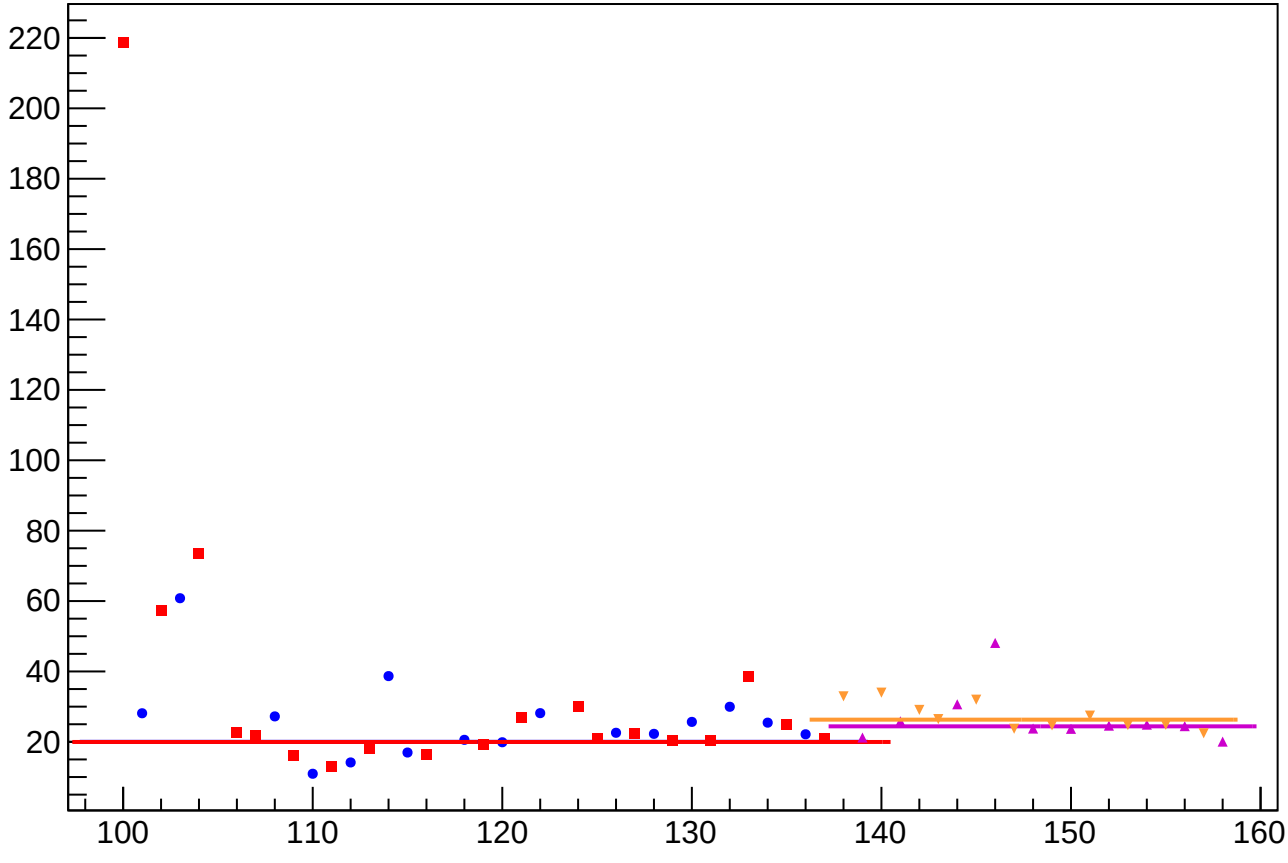
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:23.7/25

Out: -0.001+/-0.006 χ^2/NDF:44.5/29

All: 0.001+/-0.004 χ^2/NDF: 68.3/55

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: 26.305+/-0.006 χ^2/NDF:281670.1/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.404+/-0.006 χ^2/NDF:594605.5/9

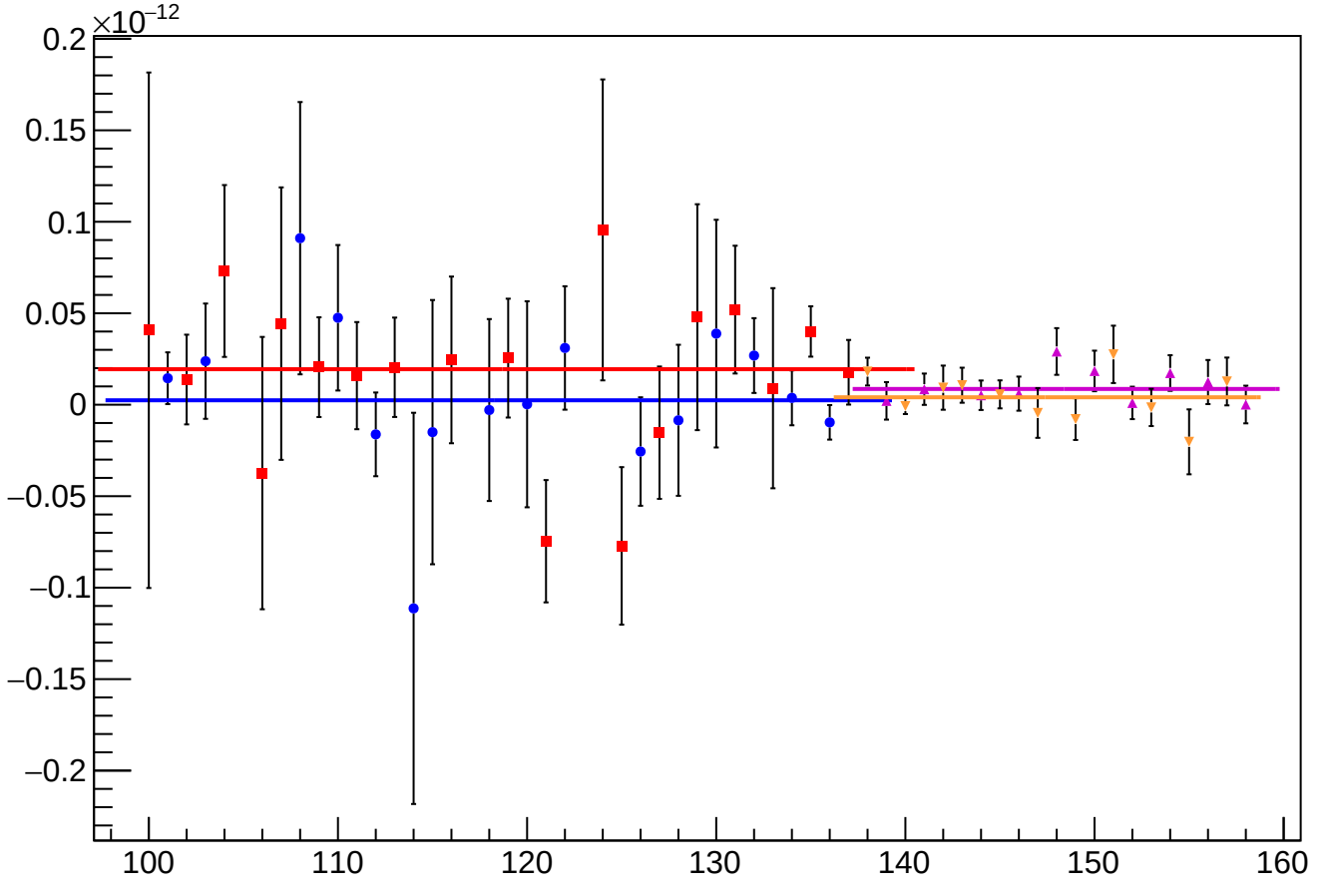
Left: 25.288+/-0.004 χ^2/NDF: 922440.4/20

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.106+/-0.004 χ^2/NDF:2513710.7/25

Out: 22.747+/-0.004 χ^2/NDF:2537350.3/29

All: 22.418+/-0.003 χ^2/NDF: 5062538.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

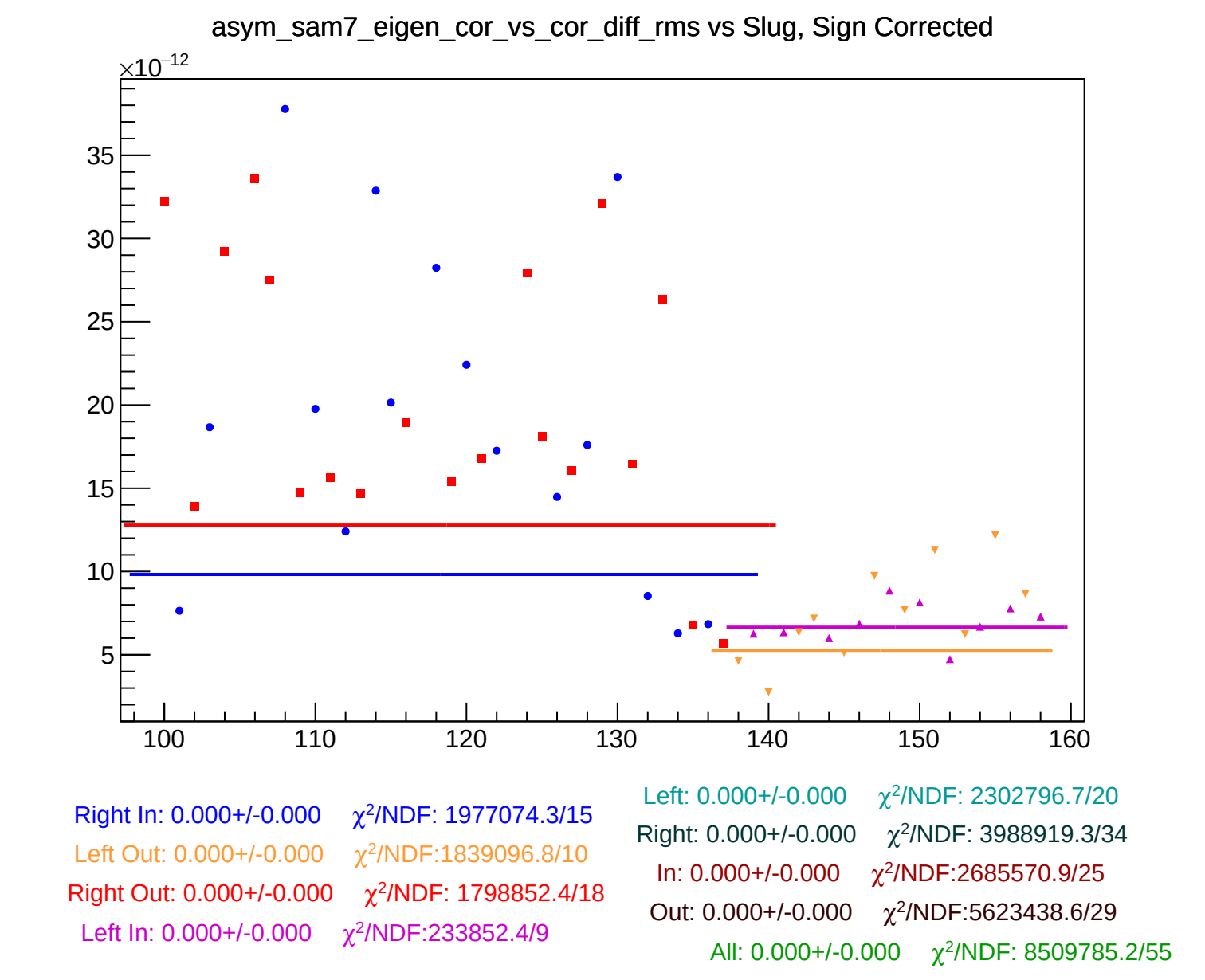
Left: 0.000+/-0.000 χ^2/NDF: 19.3/20

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

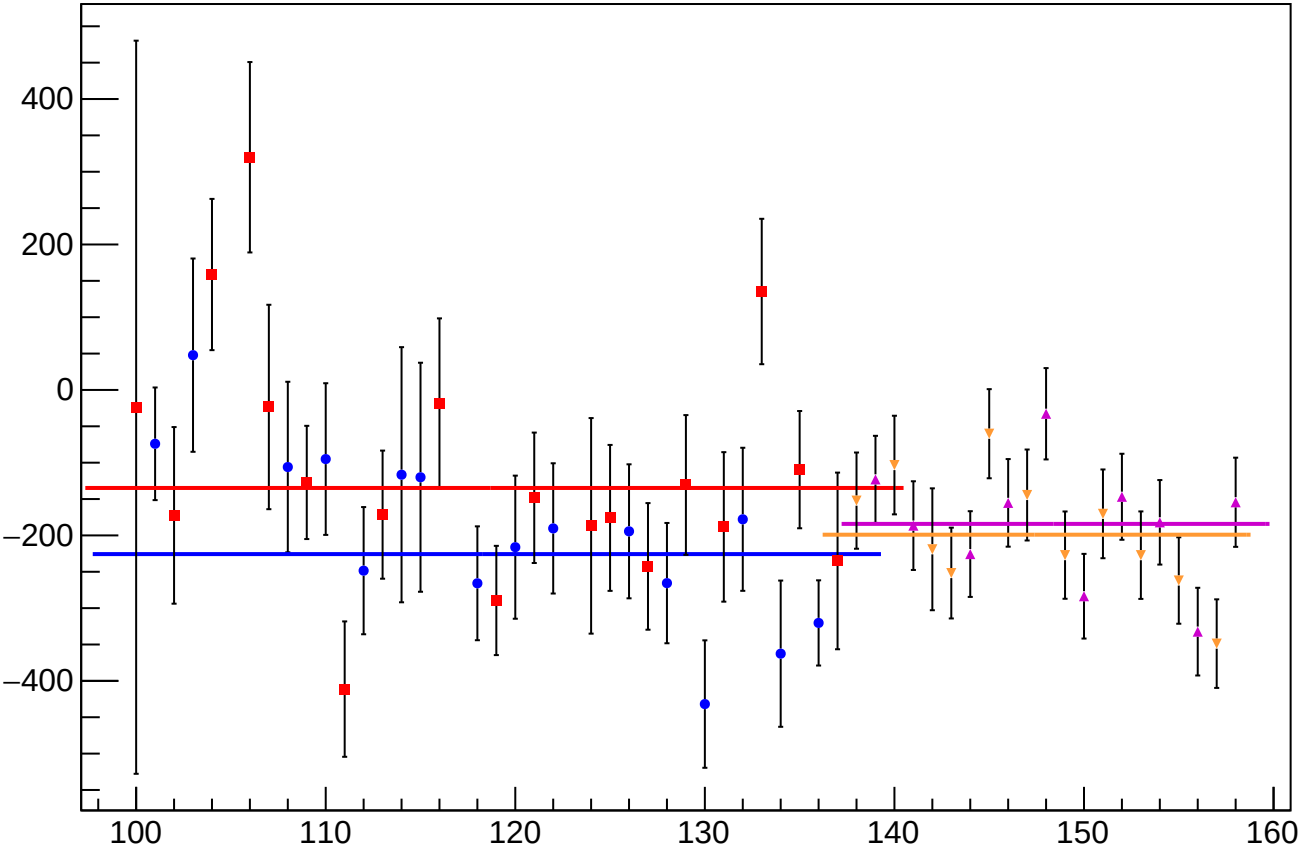
In: 0.000+/-0.000 χ^2/NDF:18.1/25

Out: 0.000+/-0.000 χ^2/NDF:36.1/29

All: 0.000+/-0.000 χ^2/NDF: 54.3/55


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1839096.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:233852.4/9
Left: 0.000+/-0.000 χ²/NDF: 2302796.7/20
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2685570.9/25
Out: 0.000+/-0.000 χ²/NDF:5623438.6/29
All: 0.000+/-0.000 χ²/NDF: 8509785.2/55

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.022+/-19.095 χ^2/NDF:17.0/10

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -184.174+/-18.954 χ^2/NDF:17.2/9

Left: -191.543+/-13.452 χ^2/NDF: 34.5/20

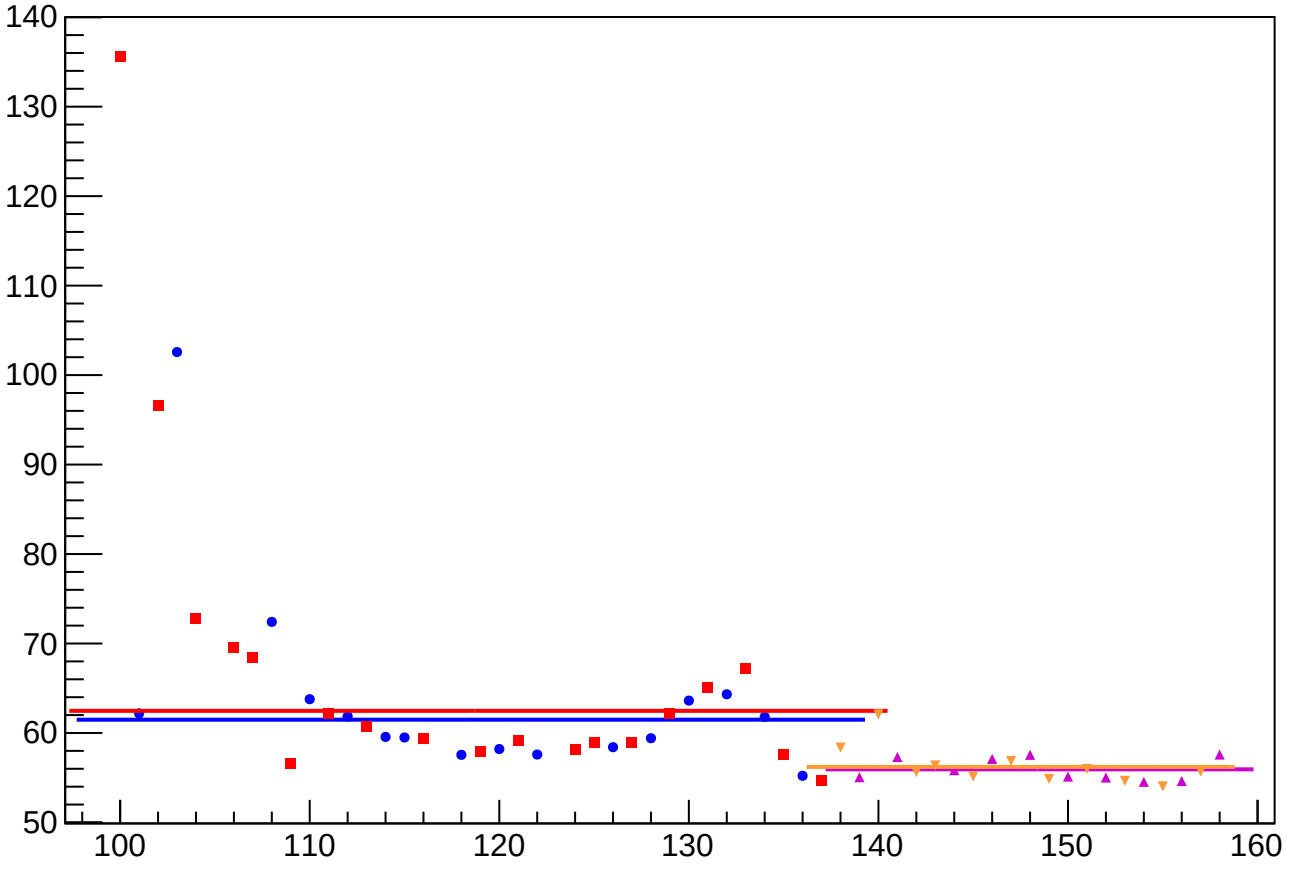
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -200.864+/-14.658 χ^2/NDF:41.7/25

Out: -173.060+/-14.741 χ^2/NDF:66.8/29

All: -187.041+/-10.394 χ^2/NDF: 110.3/55

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.205+/-0.014 χ^2/NDF:23288.6/10

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

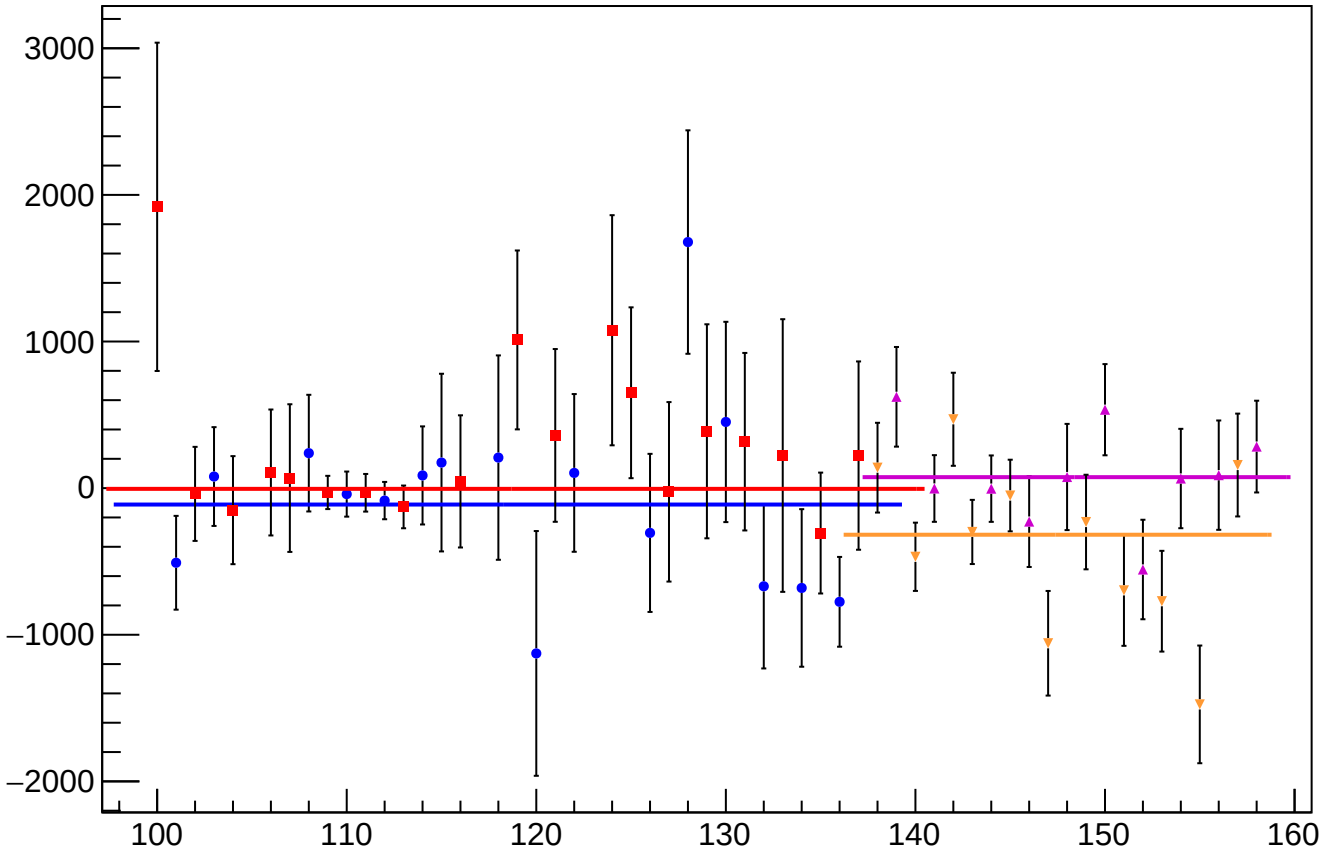
Left: 56.070+/-0.010 χ^2/NDF: 31436.5/20

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.168+/-0.010 χ^2/NDF:327516.8/25

Out: 58.739+/-0.010 χ^2/NDF:391574.1/29

All: 58.452+/-0.007 χ^2/NDF: 720599.6/55



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -317.763+/-89.820 χ^2/NDF:27.3/10

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 74.931+/-95.053 χ^2/NDF:9.9/9

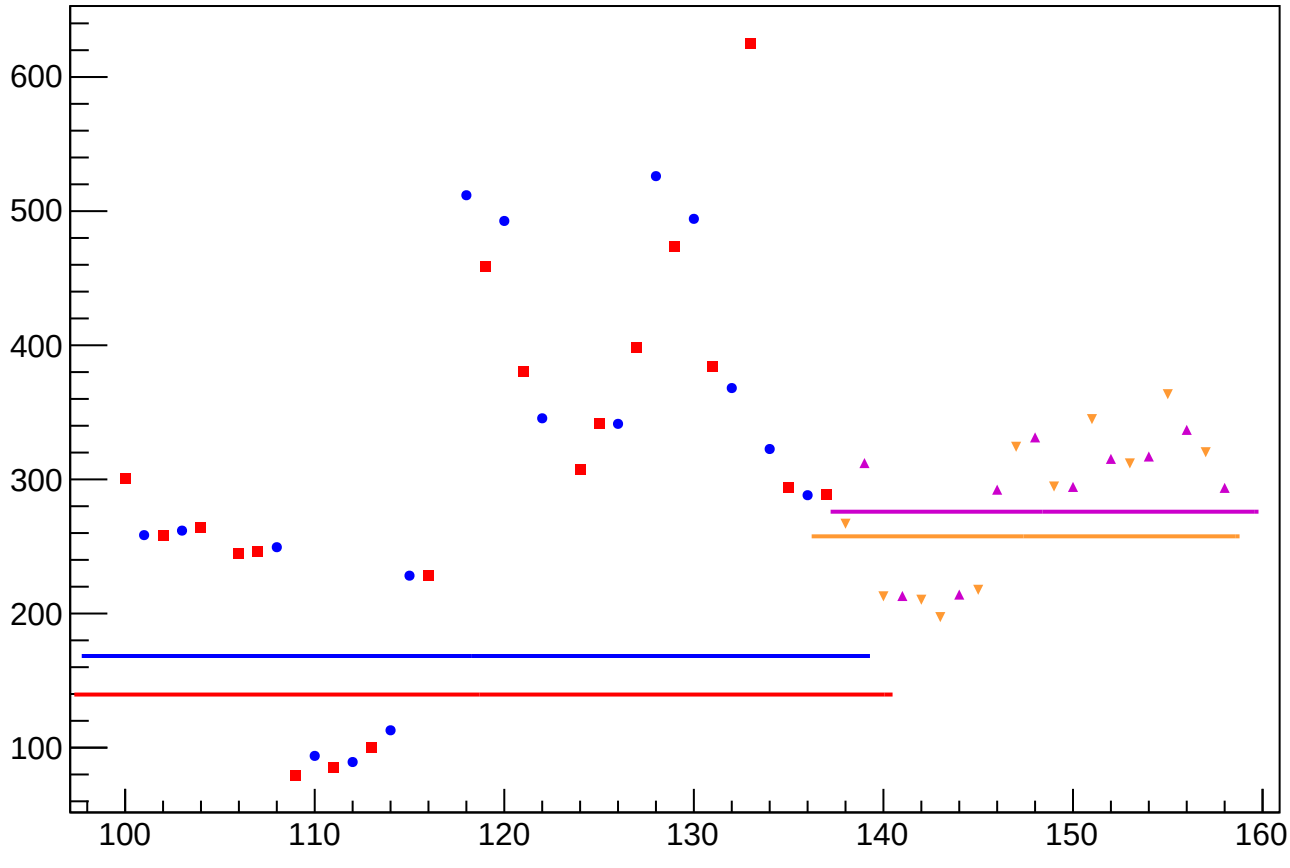
Left: -132.522+/-65.284 χ^2/NDF: 46.2/20

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -38.782+/-59.460 χ^2/NDF:30.7/25

Out: -110.102+/-52.086 χ^2/NDF:47.0/29

All: -79.136+/-39.179 χ^2/NDF: 78.5/55



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.549+/-0.064 χ^2/NDF:781500.9/10

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 275.912+/-0.067 χ^2/NDF:500332.0/9

Left: 266.211+/-0.046 χ^2/NDF: 1321268.0/20

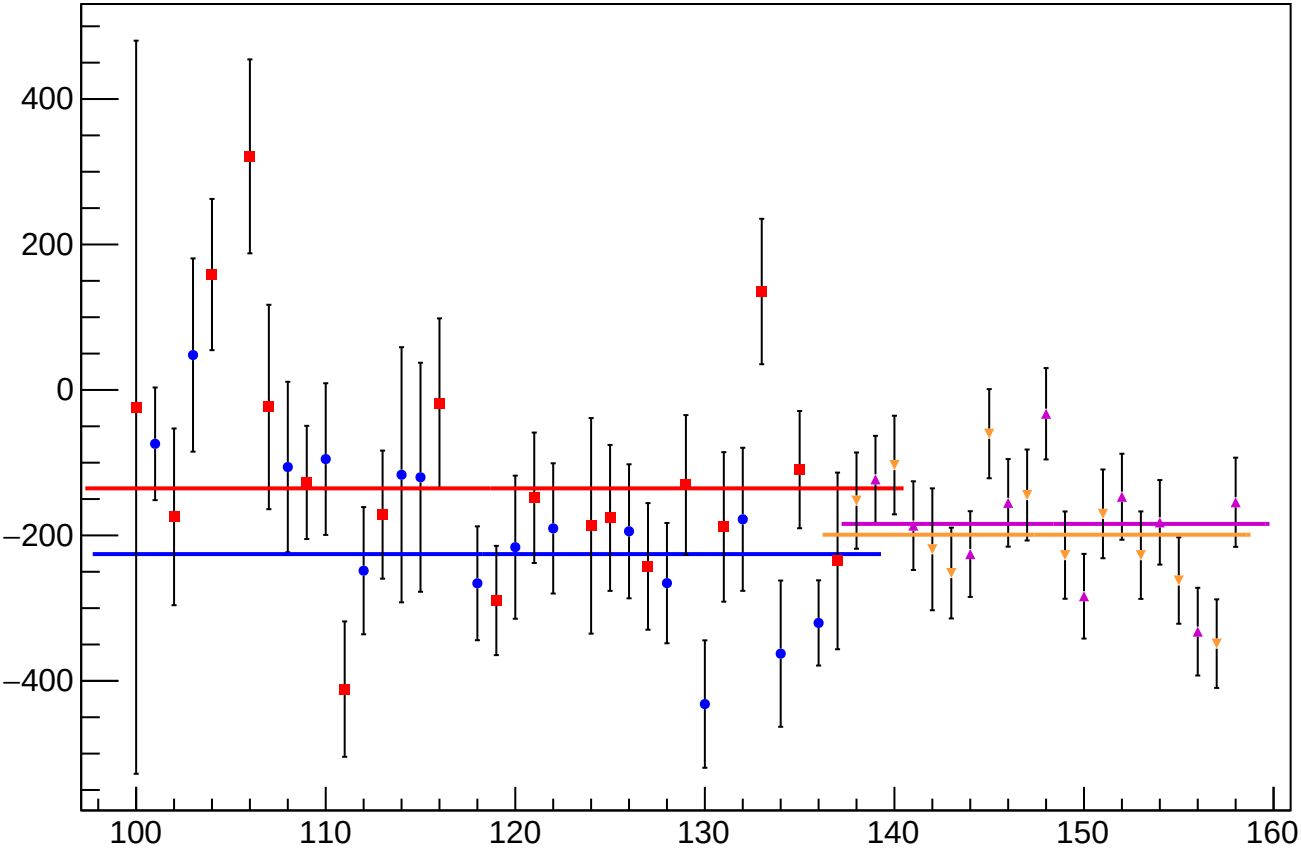
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 210.428+/-0.042 χ^2/NDF:6603870.7/25

Out: 179.258+/-0.037 χ^2/NDF:8224979.9/29

All: 192.791+/-0.028 χ^2/NDF: 15139818.7/55

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.021+/-19.095 χ^2/NDF:17.0/10

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -184.174+/-18.954 χ^2/NDF:17.2/9

Left: -191.543+/-13.452 χ^2/NDF: 34.5/20

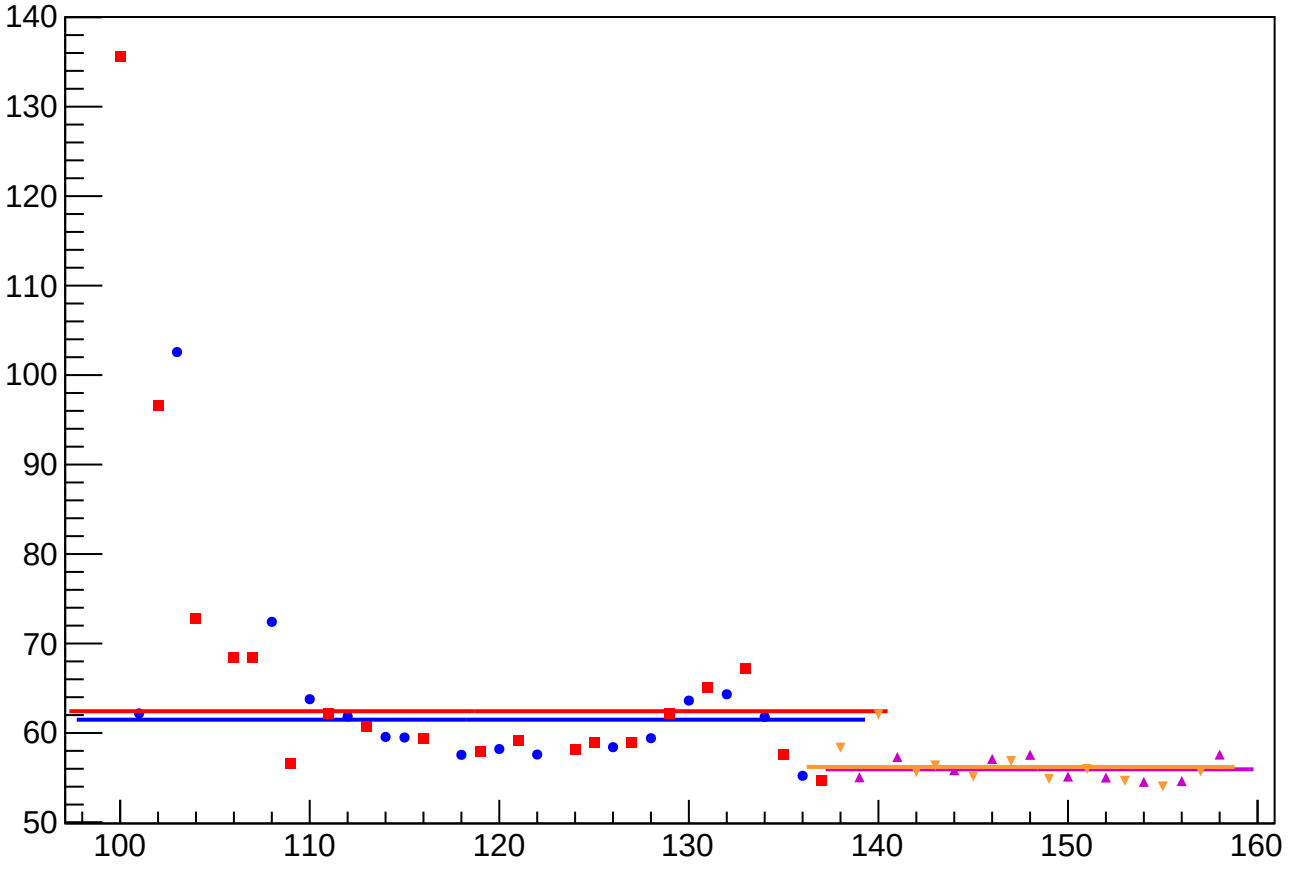
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.864+/-14.658 χ^2/NDF:41.7/25

Out: -173.299+/-14.745 χ^2/NDF:66.4/29

All: -187.163+/-10.395 χ^2/NDF: 109.9/55

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.205+/-0.014 χ^2/NDF:23288.6/10

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

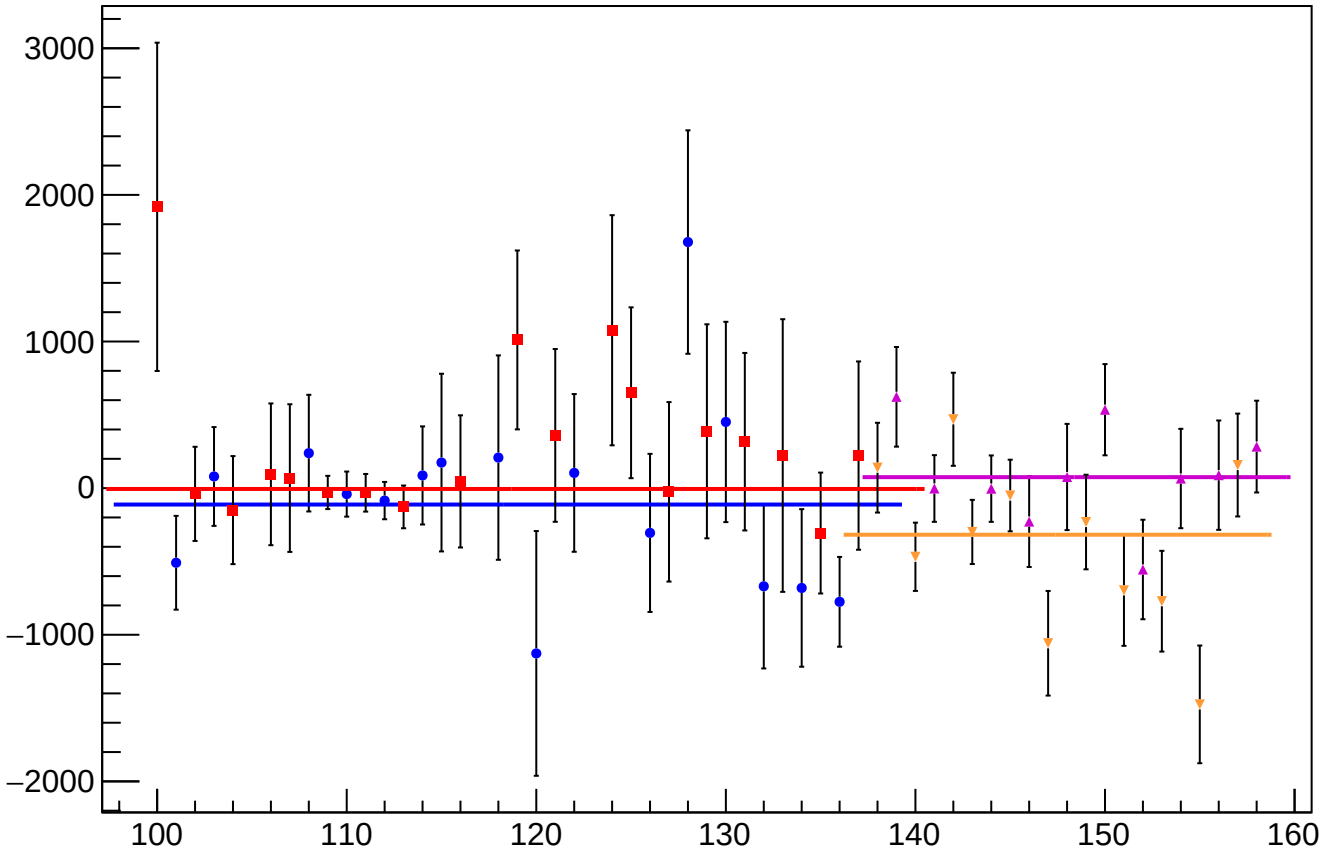
Left: 56.070+/-0.010 χ^2/NDF: 31436.5/20

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.168+/-0.010 χ^2/NDF:327519.5/25

Out: 58.719+/-0.010 χ^2/NDF:388582.3/29

All: 58.442+/-0.007 χ^2/NDF: 717510.6/55



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -317.761+/-89.820 χ^2/NDF:27.3/10

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 74.928+/-95.053 χ^2/NDF:9.9/9

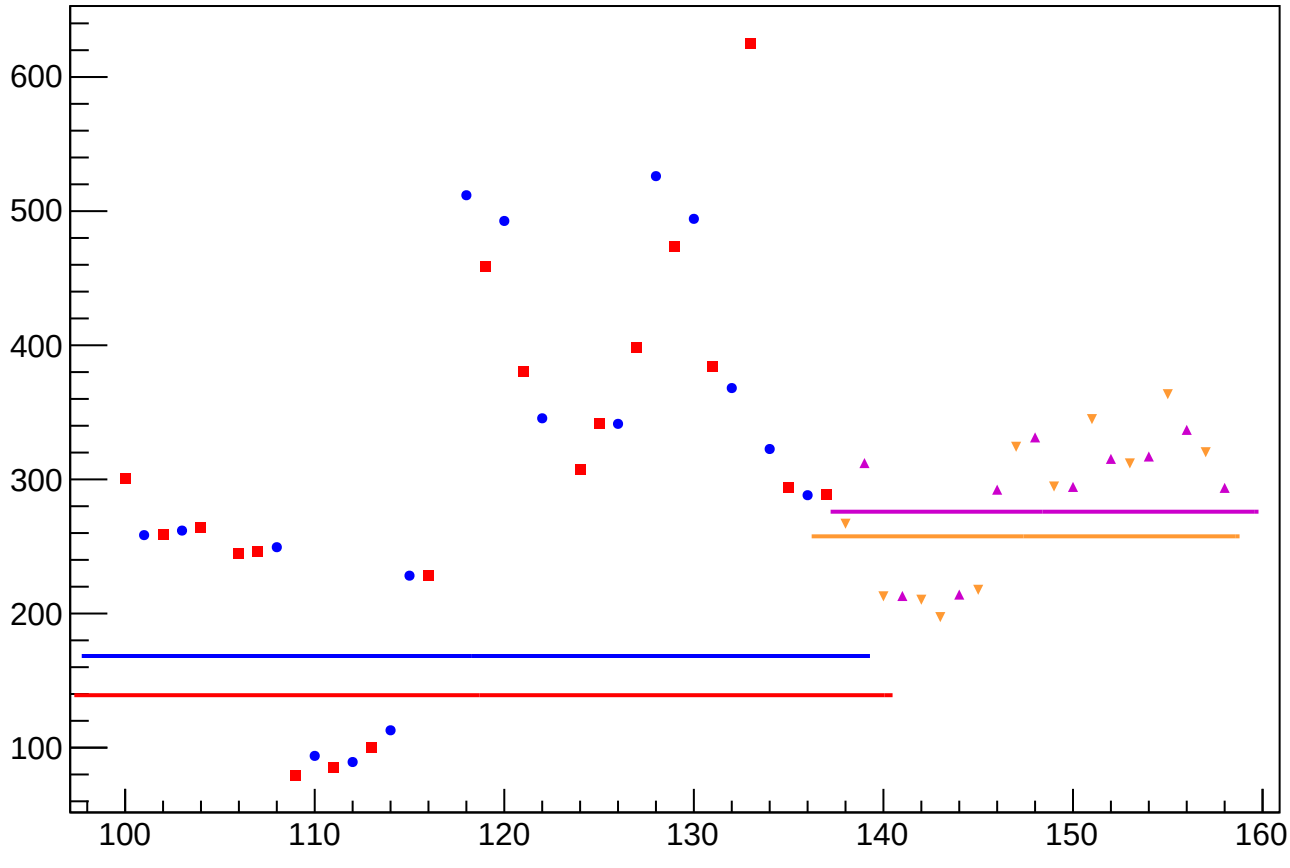
Left: -132.522+/-65.284 χ^2/NDF: 46.2/20

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -38.771+/-59.460 χ^2/NDF:30.7/25

Out: -110.912+/-52.168 χ^2/NDF:46.9/29

All: -79.535+/-39.214 χ^2/NDF: 78.4/55



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.064 χ^2/NDF:781506.4/10

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 275.912+/-0.067 χ^2/NDF:500331.3/9

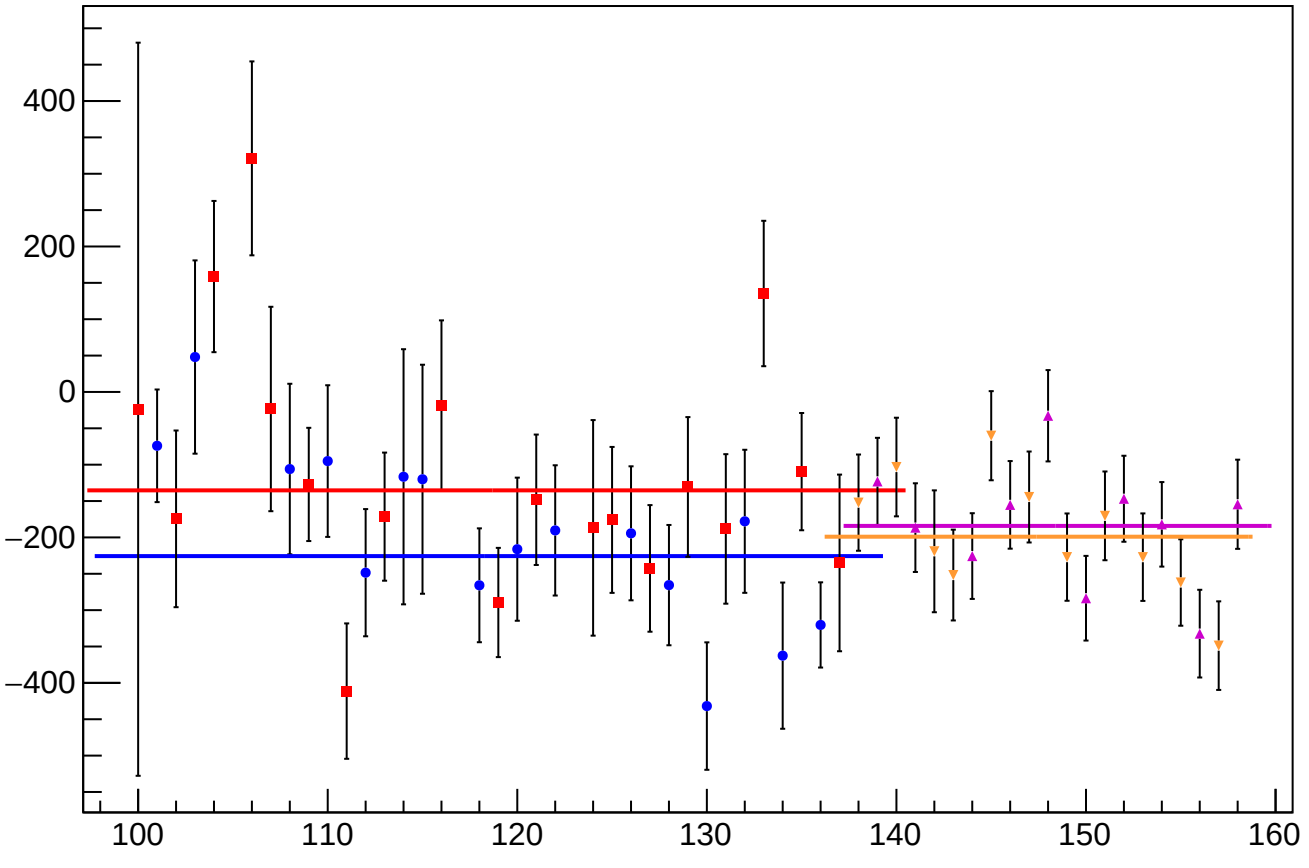
Left: 266.211+/-0.046 χ^2/NDF: 1321273.7/20

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 210.428+/-0.042 χ^2/NDF:6603911.0/25

Out: 179.060+/-0.037 χ^2/NDF:8216158.8/29

All: 192.703+/-0.028 χ^2/NDF: 15134591.5/55



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.021+/-19.095 χ^2/NDF:17.0/10

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -184.174+/-18.954 χ^2/NDF:17.2/9

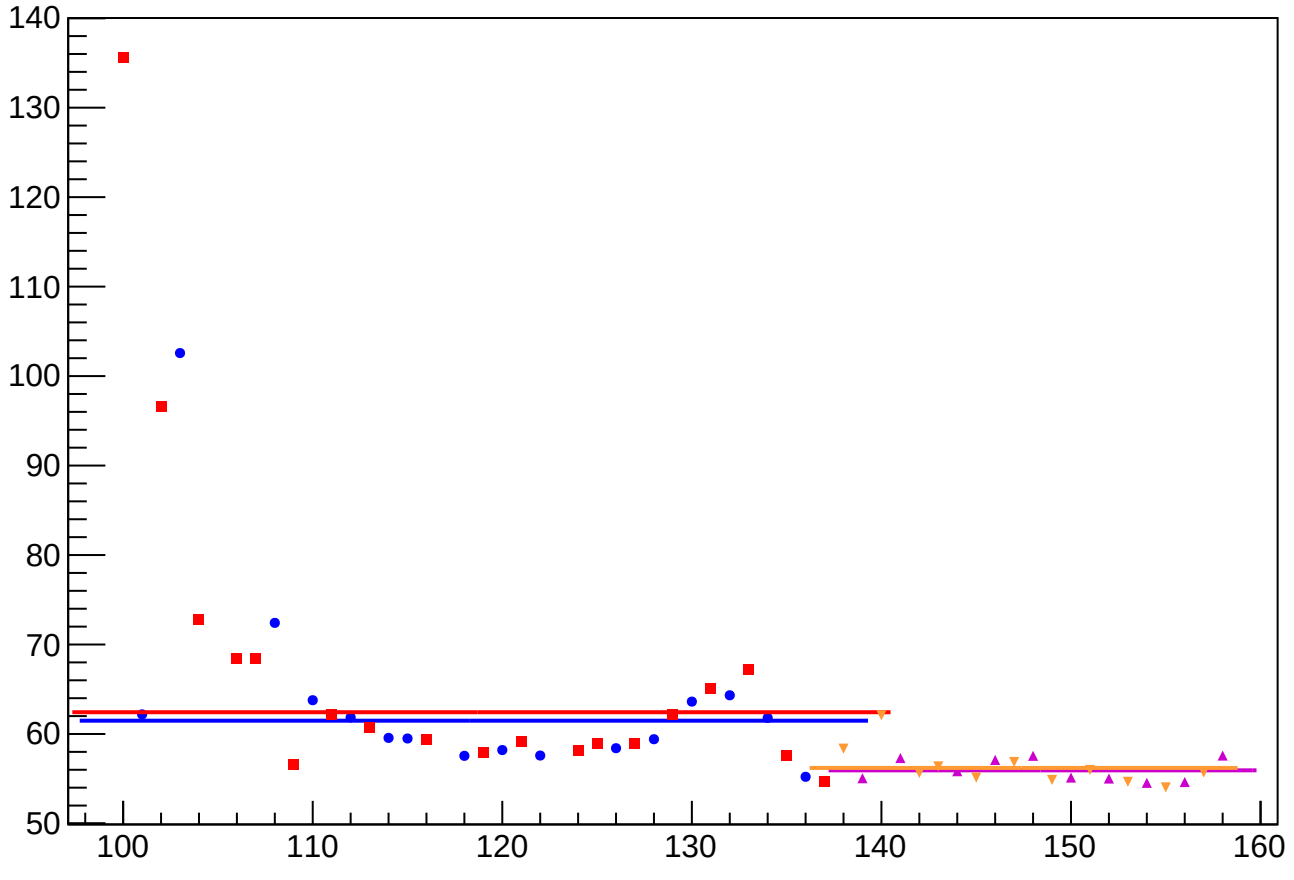
Left: -191.543+/-13.452 χ^2/NDF: 34.5/20

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.864+/-14.658 χ^2/NDF:41.7/25

Out: -173.299+/-14.745 χ^2/NDF:66.4/29

All: -187.163+/-10.395 χ^2/NDF: 109.9/55



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.205+/-0.014 χ^2/NDF:23288.6/10

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

Left: 56.070+/-0.010 χ^2/NDF: 31436.5/20

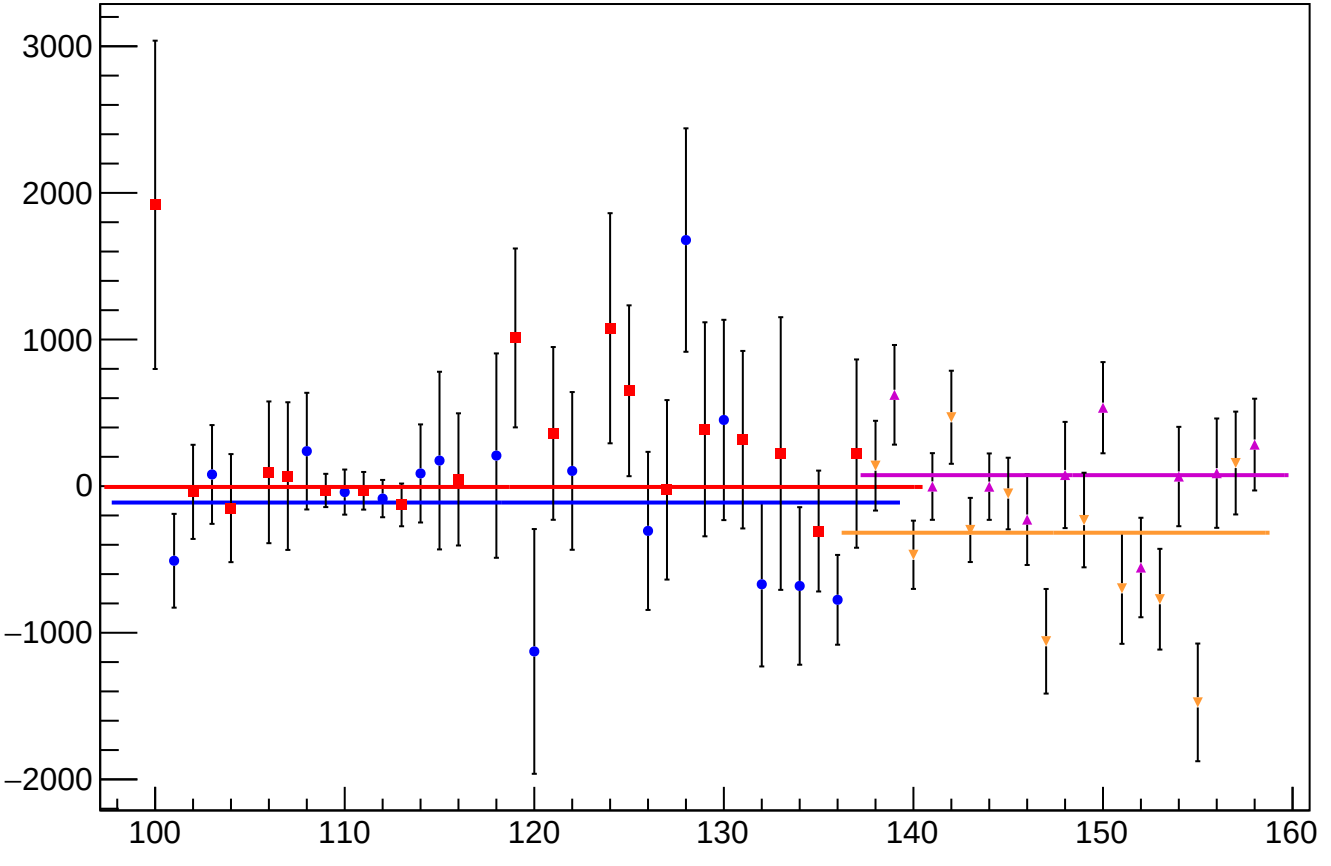
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.168+/-0.010 χ^2/NDF:327519.5/25

Out: 58.719+/-0.010 χ^2/NDF:388582.3/29

All: 58.442+/-0.007 χ^2/NDF: 717510.6/55

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -317.761+/-89.820 χ^2/NDF:27.3/10

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 74.928+/-95.053 χ^2/NDF:9.9/9

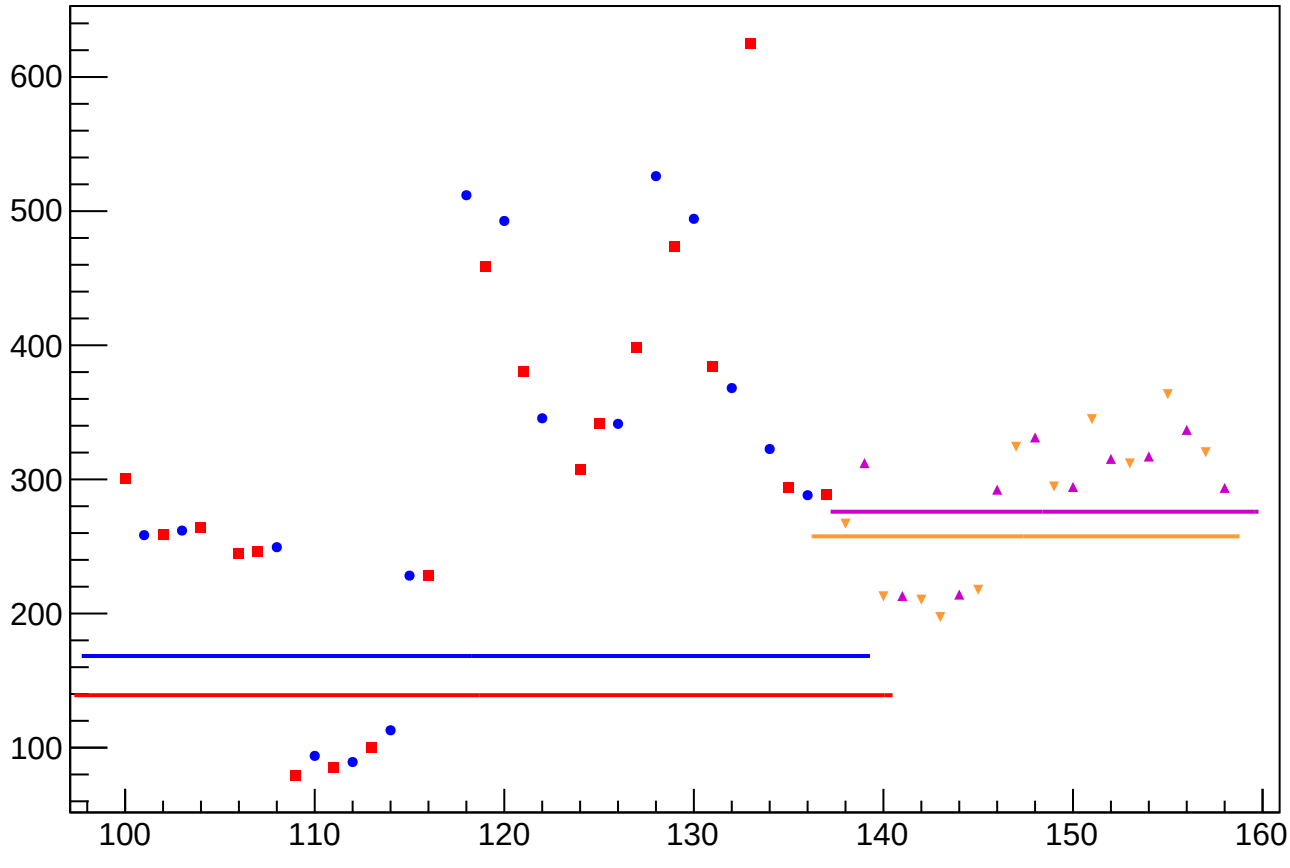
Left: -132.522+/-65.284 χ^2/NDF: 46.2/20

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -38.771+/-59.460 χ^2/NDF:30.7/25

Out: -110.912+/-52.168 χ^2/NDF:46.9/29

All: -79.535+/-39.214 χ^2/NDF: 78.4/55



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.064 χ^2/NDF:781506.4/10

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 275.912+/-0.067 χ^2/NDF:500331.3/9

Left: 266.211+/-0.046 χ^2/NDF: 1321273.7/20

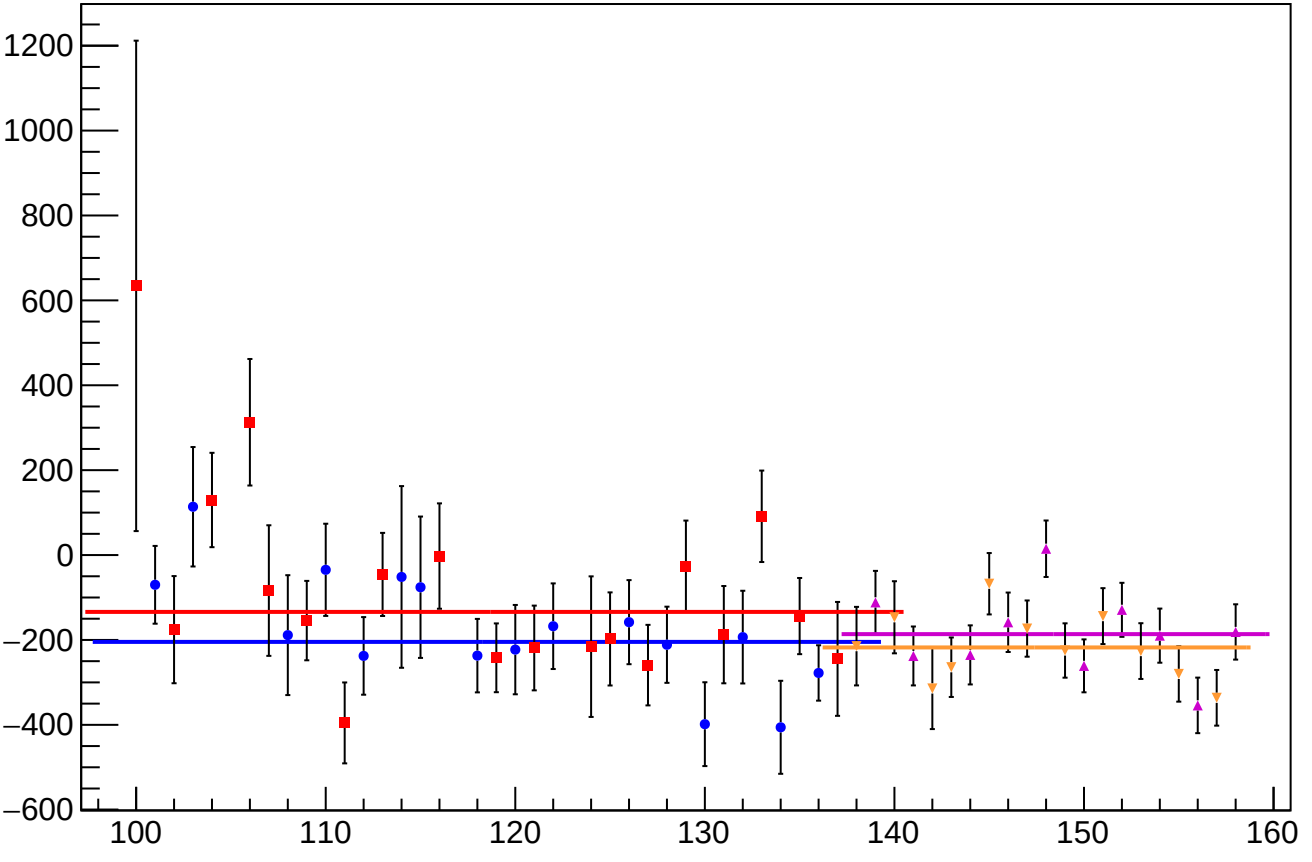
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 210.428+/-0.042 χ^2/NDF:6603911.0/25

Out: 179.060+/-0.037 χ^2/NDF:8216158.8/29

All: 192.703+/-0.028 χ^2/NDF: 15134591.5/55

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -217.647+/-21.512 χ^2/NDF:12.4/10

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -186.279+/-21.104 χ^2/NDF:20.2/9

Left: -201.663+/-15.065 χ^2/NDF: 33.7/20

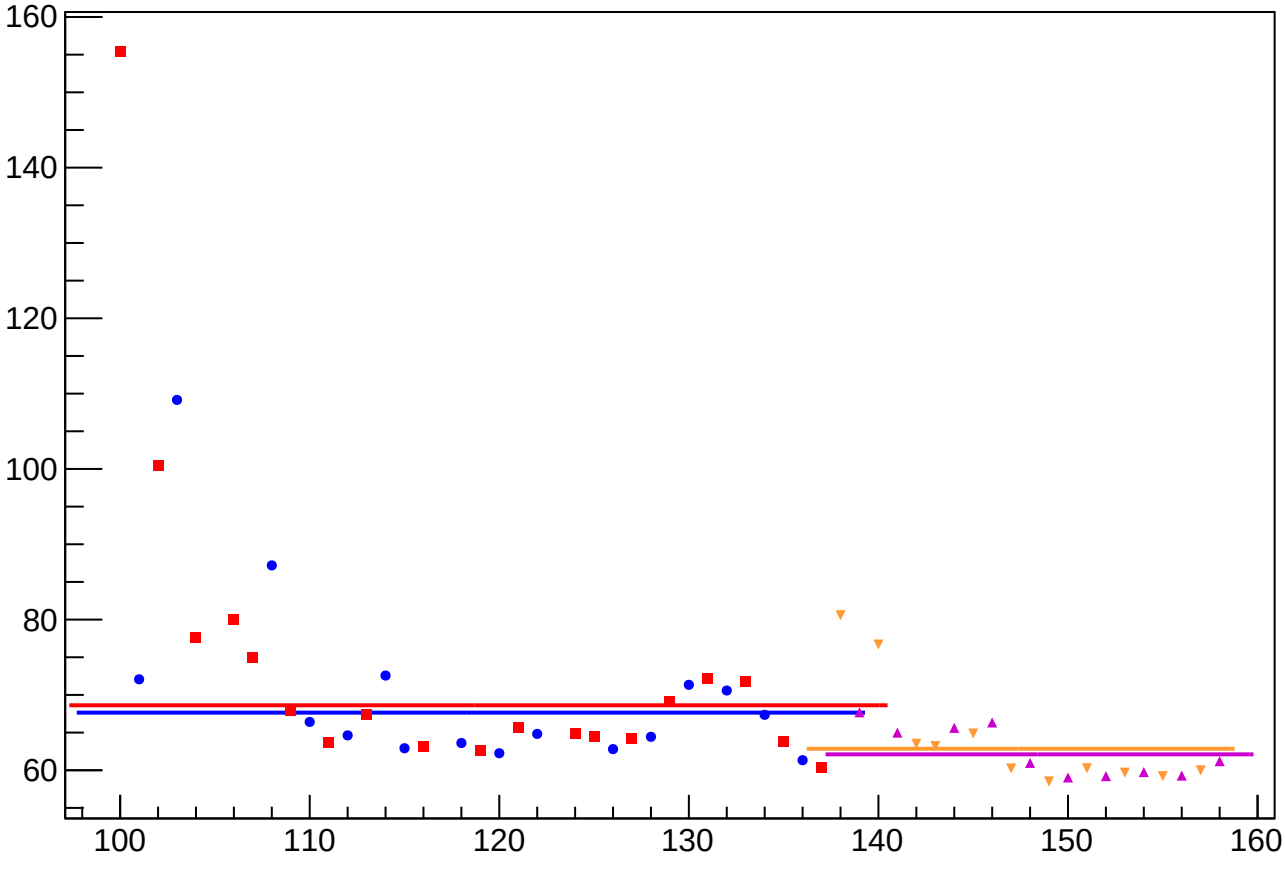
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -193.709+/-16.264 χ^2/NDF:40.5/25

Out: -182.811+/-16.438 χ^2/NDF:55.9/29

All: -188.318+/-11.562 χ^2/NDF: 96.7/55

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.855+/-0.015 χ^2/NDF:158283.7/10

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 62.110+/-0.015 χ^2/NDF:43567.9/9

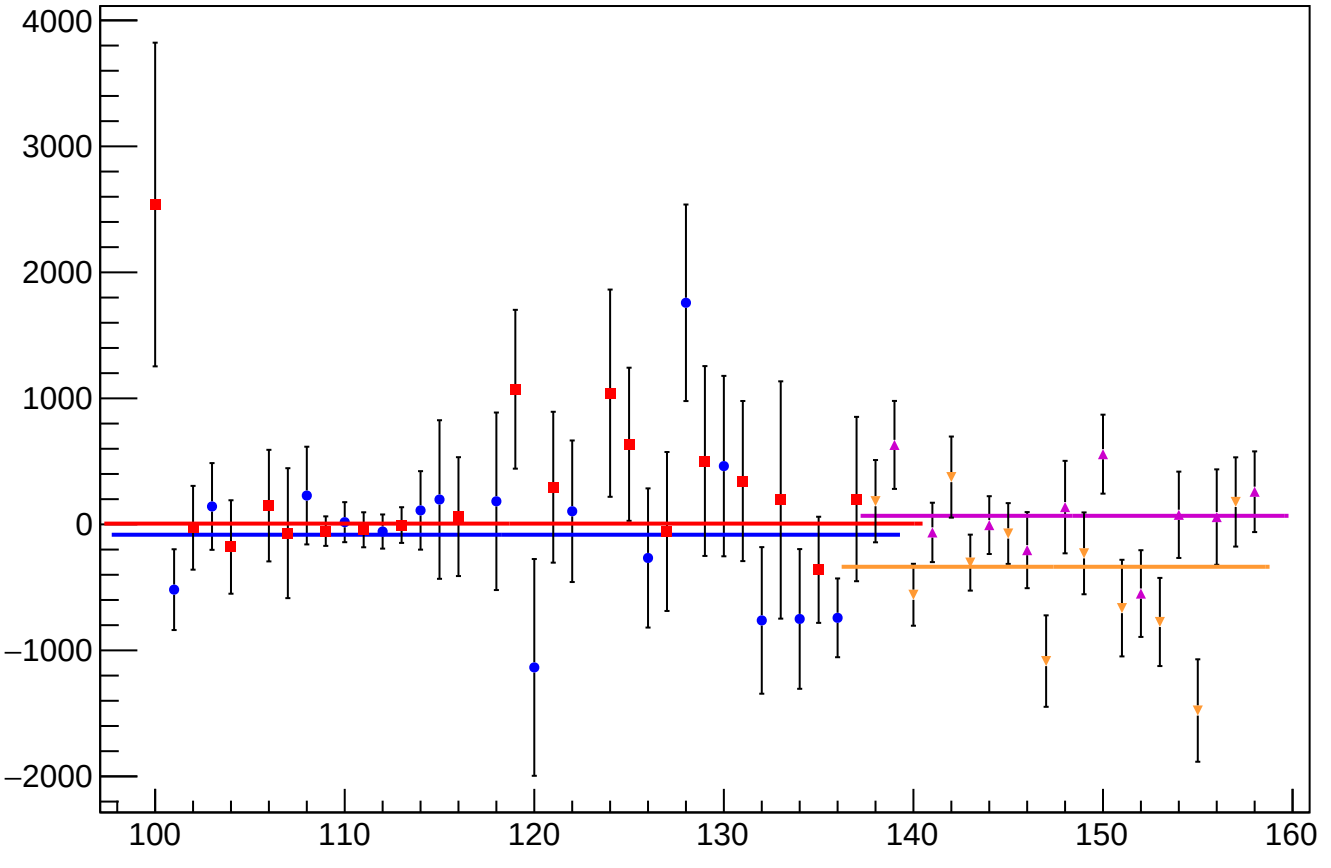
Left: 62.476+/-0.011 χ^2/NDF: 203075.9/20

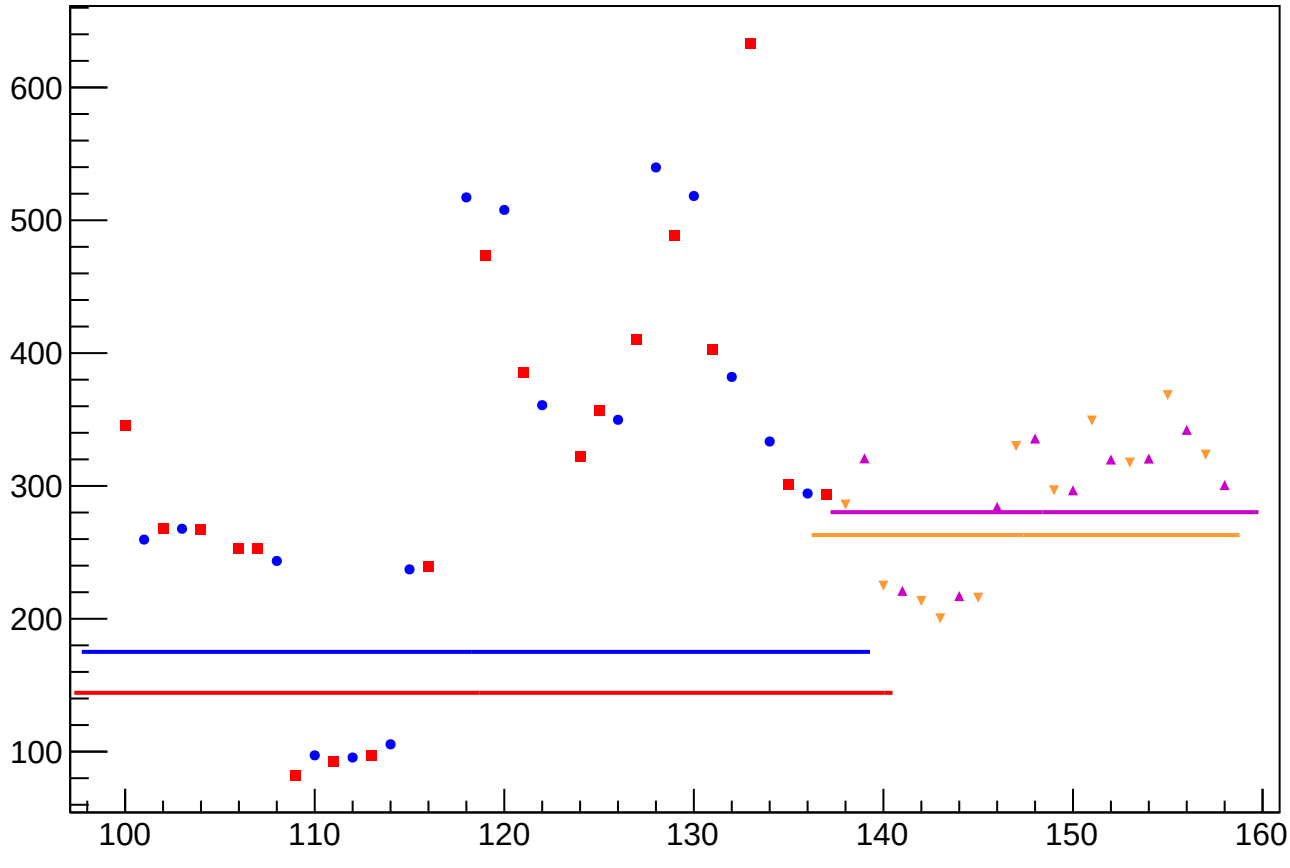
Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.359+/-0.012 χ^2/NDF:363151.7/25

Out: 65.256+/-0.012 χ^2/NDF:466285.9/29

All: 64.802+/-0.008 χ^2/NDF: 832447.9/55


asym_sam8_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -336.538+/-91.618 χ²/NDF:26.1/10
Right Out: 6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 67.953+/-96.467 χ²/NDF:9.9/9
Left: -144.714+/-66.432 χ²/NDF: 45.2/20
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: -22.237+/-60.970 χ²/NDF:30.5/25
Out: -110.777+/-53.504 χ²/NDF:47.4/29
All: -72.257+/-40.215 χ²/NDF: 79.1/55



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 263.038+/-0.065 χ^2/NDF:773611.8/10

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 280.265+/-0.068 χ^2/NDF:472333.3/9

Left: 271.208+/-0.047 χ^2/NDF: 1279477.9/20

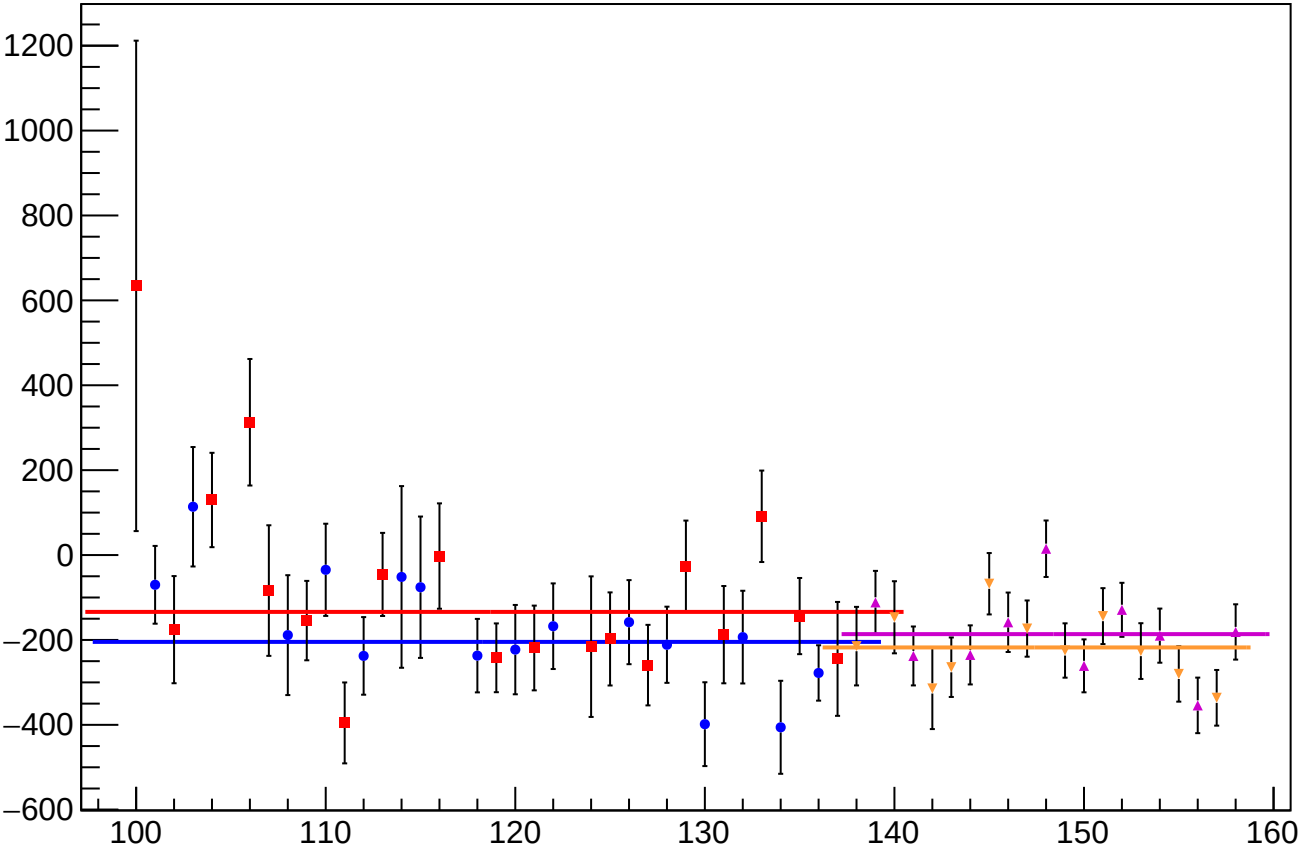
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 217.109+/-0.043 χ^2/NDF:6328875.7/25

Out: 184.779+/-0.038 χ^2/NDF:8120601.2/29

All: 198.844+/-0.028 χ^2/NDF: 14767175.0/55

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -217.646+/-21.512 χ^2/NDF:12.4/10

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -186.279+/-21.104 χ^2/NDF:20.2/9

Left: -201.663+/-15.065 χ^2/NDF: 33.7/20

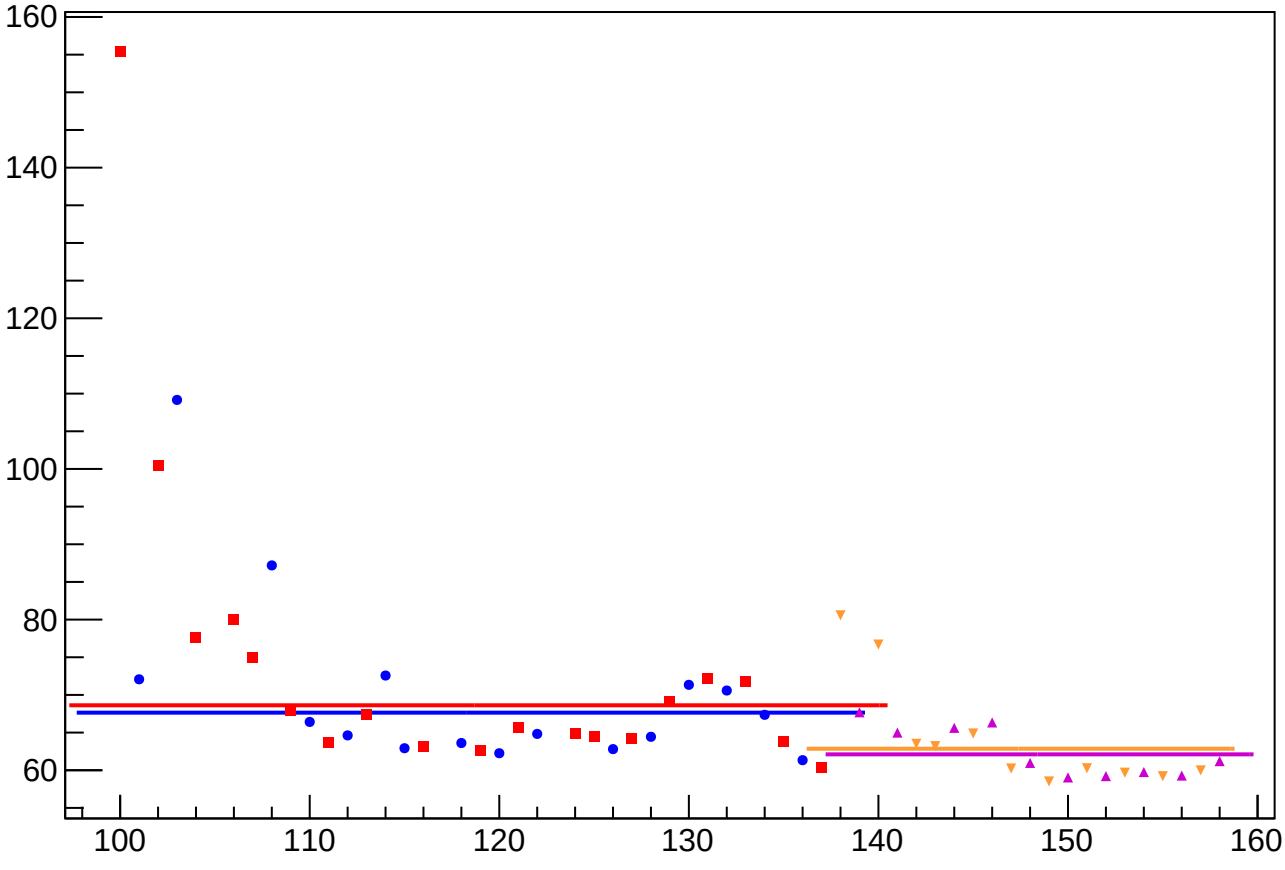
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -193.709+/-16.264 χ^2/NDF:40.5/25

Out: -182.811+/-16.438 χ^2/NDF:55.9/29

All: -188.318+/-11.562 χ^2/NDF: 96.7/55

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.856+/-0.015 χ^2/NDF:158282.6/10

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 62.110+/-0.015 χ^2/NDF:43568.6/9

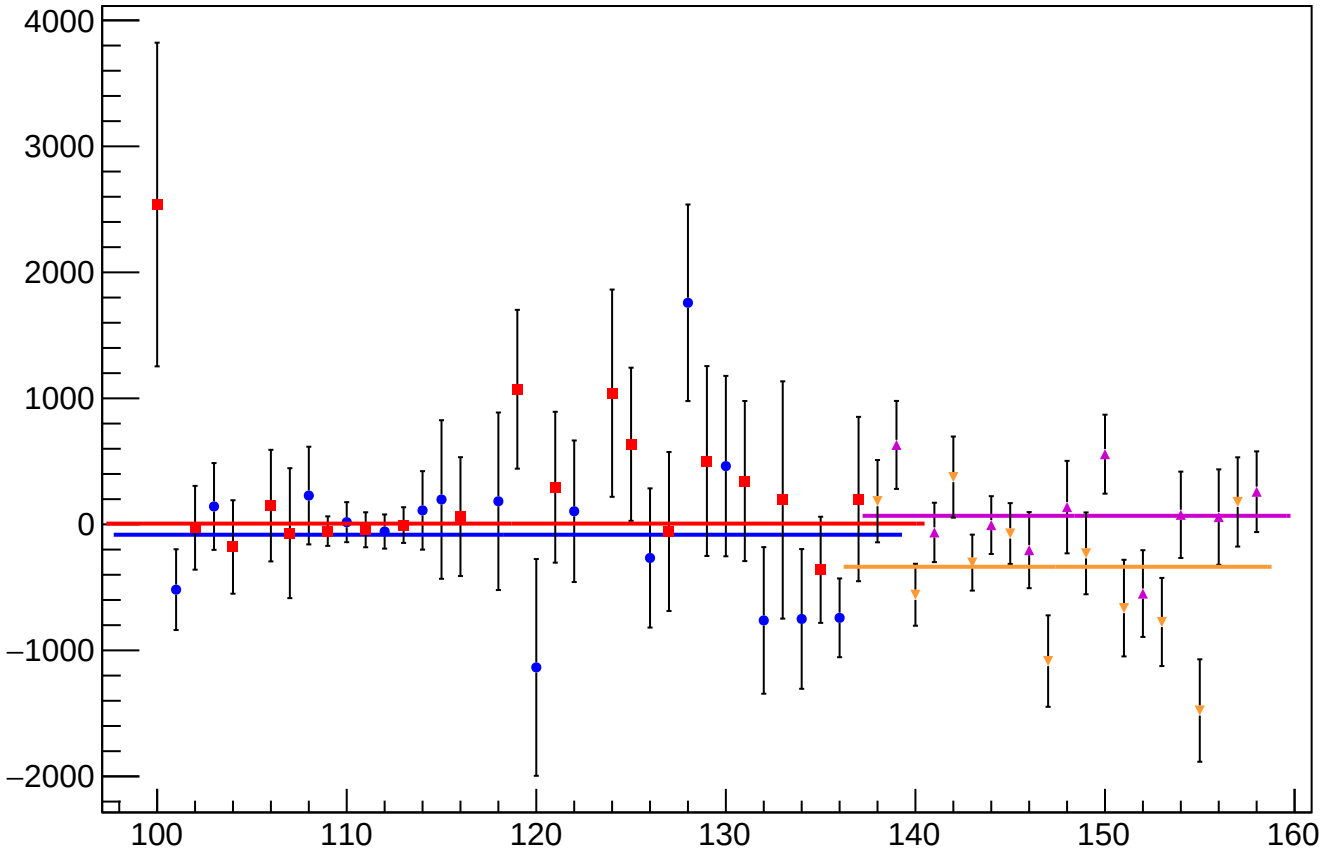
Left: 62.476+/-0.011 χ^2/NDF: 203075.5/20

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.358+/-0.012 χ^2/NDF:363146.8/25

Out: 65.256+/-0.012 χ^2/NDF:466280.6/29

All: 64.802+/-0.008 χ^2/NDF: 832437.7/55



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -336.537+/-91.617 χ^2/NDF:26.1/10

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 67.953+/-96.467 χ^2/NDF:9.9/9

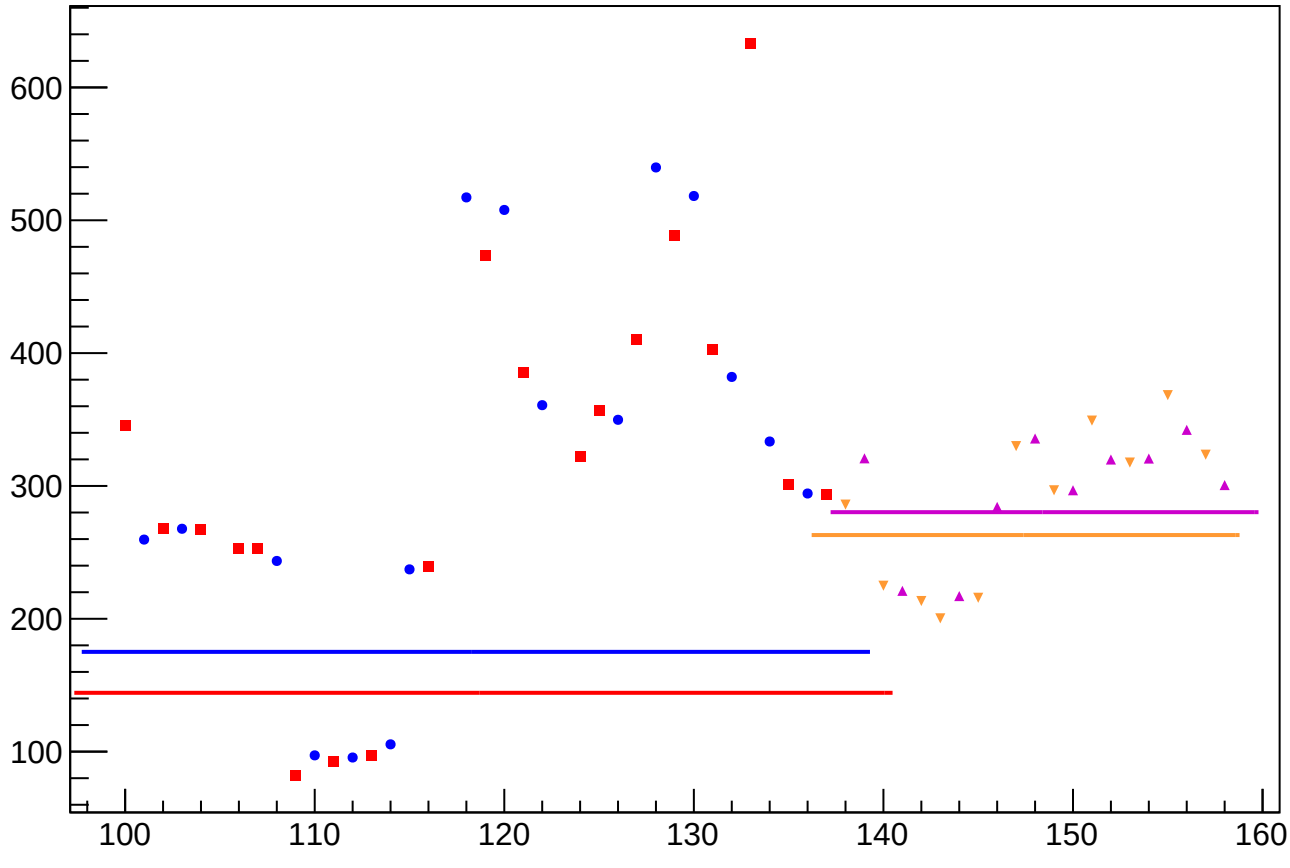
Left: -144.714+/-66.431 χ^2/NDF: 45.2/20

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -22.236+/-60.969 χ^2/NDF:30.5/25

Out: -110.778+/-53.503 χ^2/NDF:47.4/29

All: -72.258+/-40.215 χ^2/NDF: 79.1/55



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 263.037+/-0.065 χ^2/NDF:773619.4/10

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 280.264+/-0.068 χ^2/NDF:472334.3/9

Left: 271.207+/-0.047 χ^2/NDF: 1279487.5/20

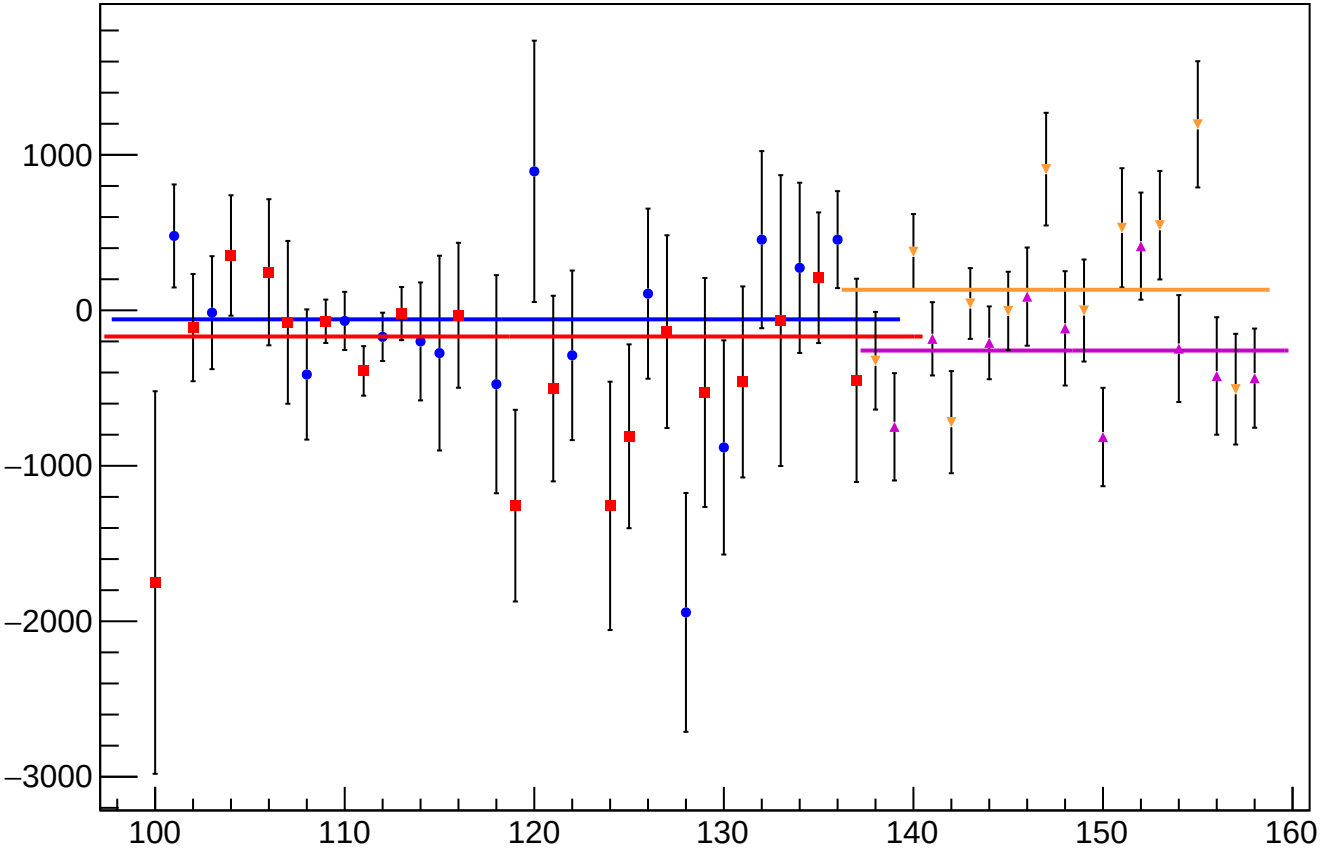
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 217.107+/-0.043 χ^2/NDF:6328924.0/25

Out: 184.778+/-0.038 χ^2/NDF:8120574.0/29

All: 198.843+/-0.028 χ^2/NDF: 14767182.3/55

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 132.172+/-92.343 χ^2/NDF:27.6/10

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -258.644+/-97.235 χ^2/NDF:10.9/9

Left: -53.157+/-66.959 χ^2/NDF: 47.0/20

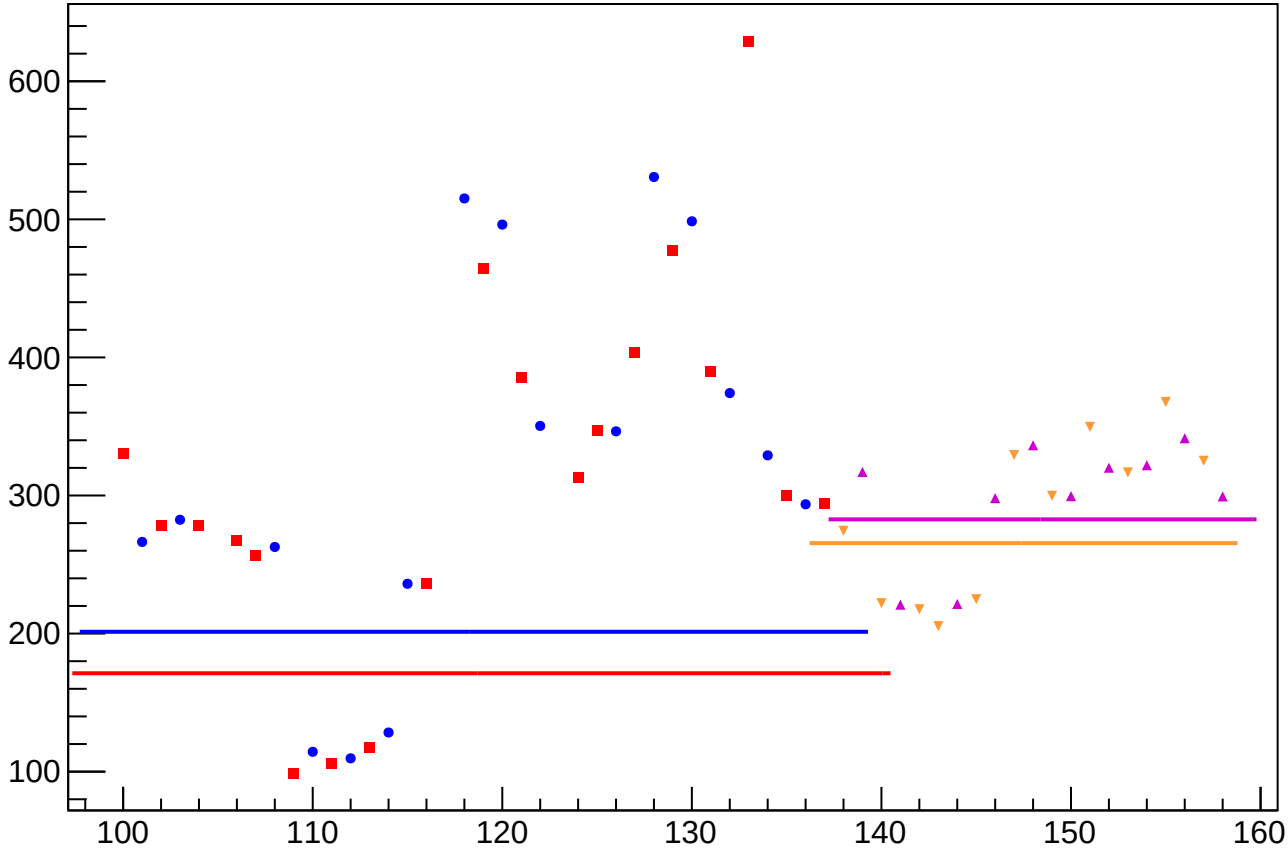
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -147.068+/-64.791 χ^2/NDF:30.7/25

Out: -49.660+/-58.029 χ^2/NDF:49.5/29

All: -93.017+/-43.226 χ^2/NDF: 81.5/55

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 265.486+/-0.065 χ^2/NDF:706126.3/10

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 282.716+/-0.069 χ^2/NDF:450386.0/9

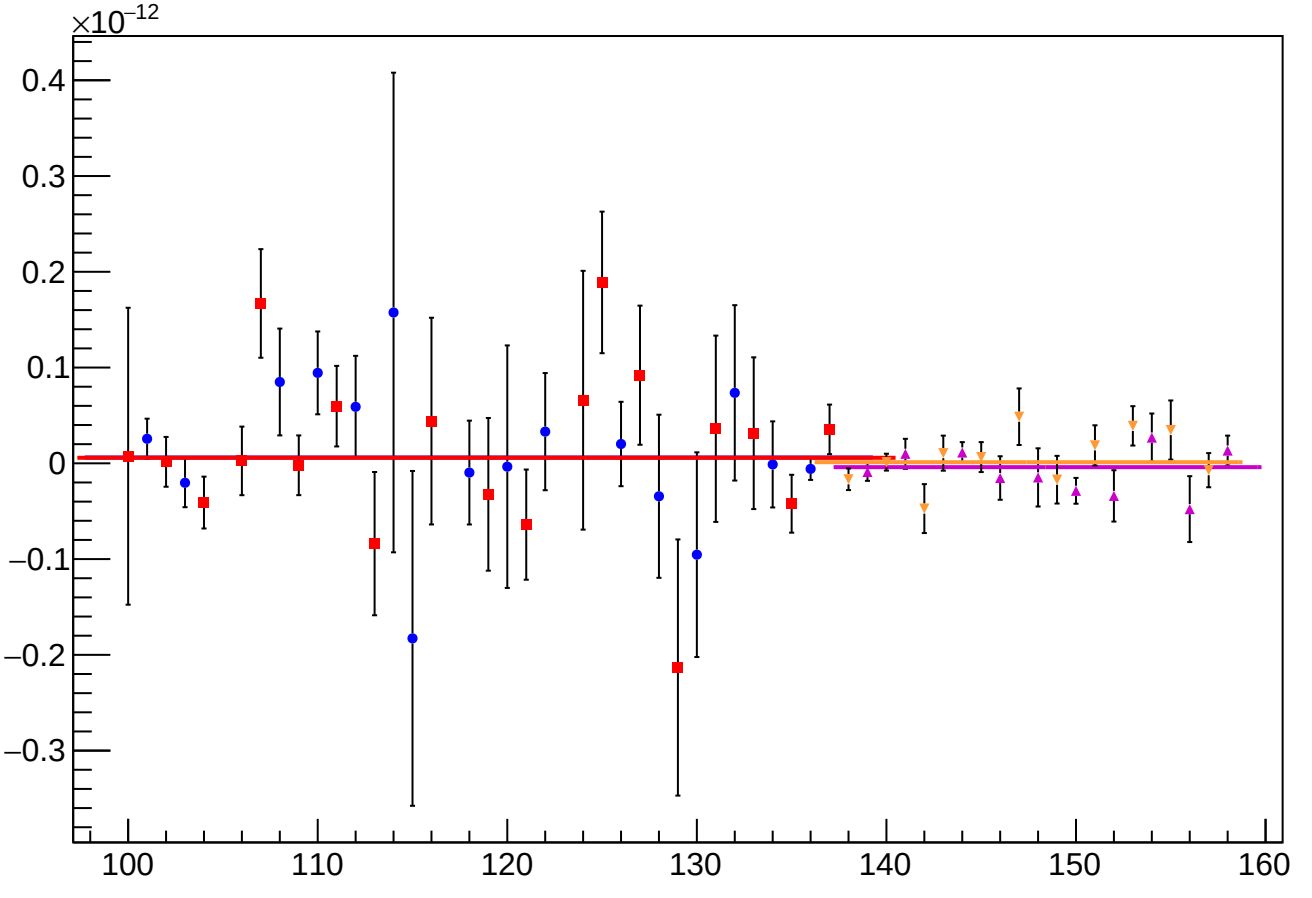
Left: 273.656+/-0.047 χ^2/NDF: 1189533.1/20

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 237.449+/-0.046 χ^2/NDF:4802177.9/25

Out: 208.464+/-0.041 χ^2/NDF:6158967.1/29

All: 221.365+/-0.031 χ^2/NDF: 11183253.2/55



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/9

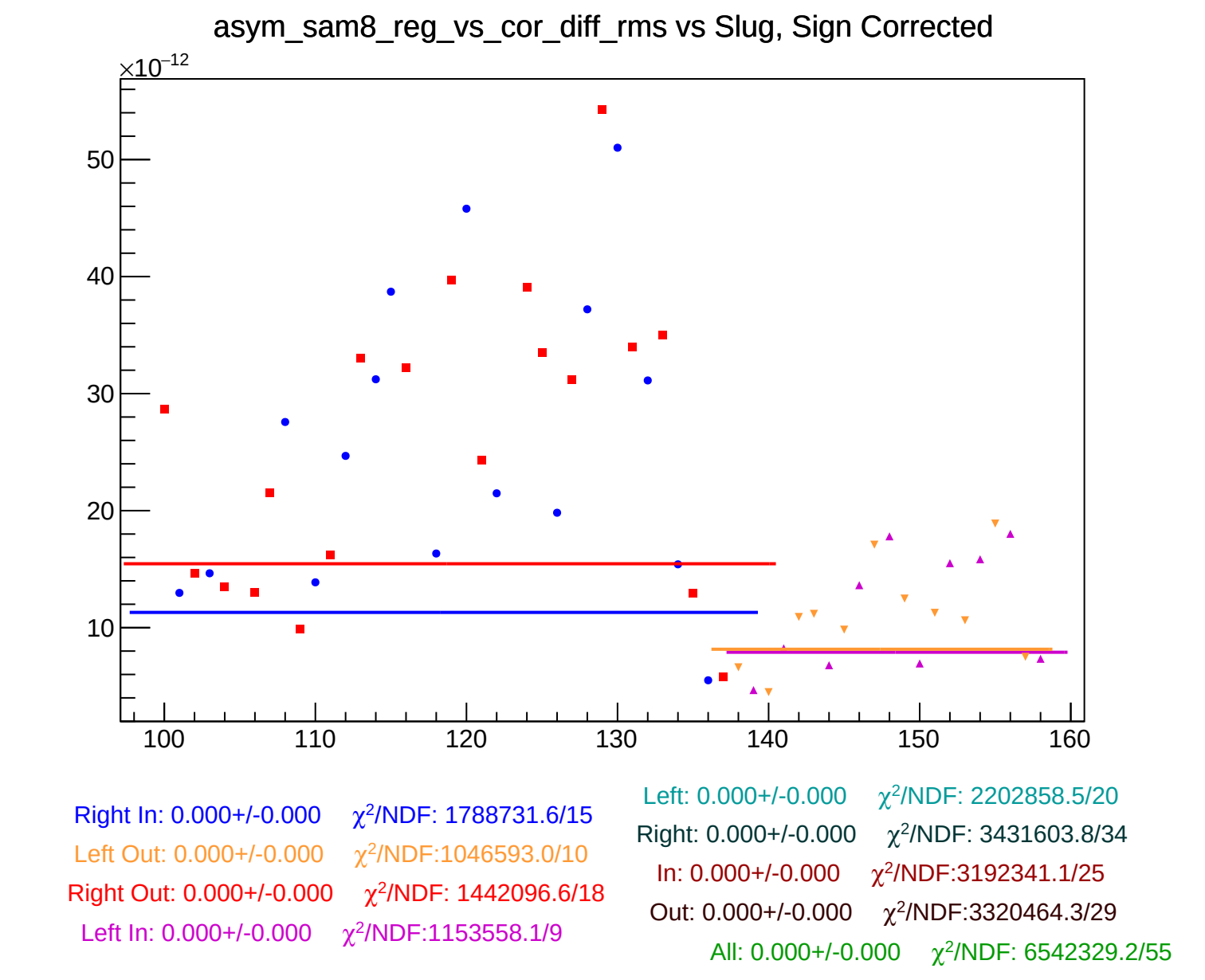
Left: -0.000+/-0.000 χ^2/NDF: 28.1/20

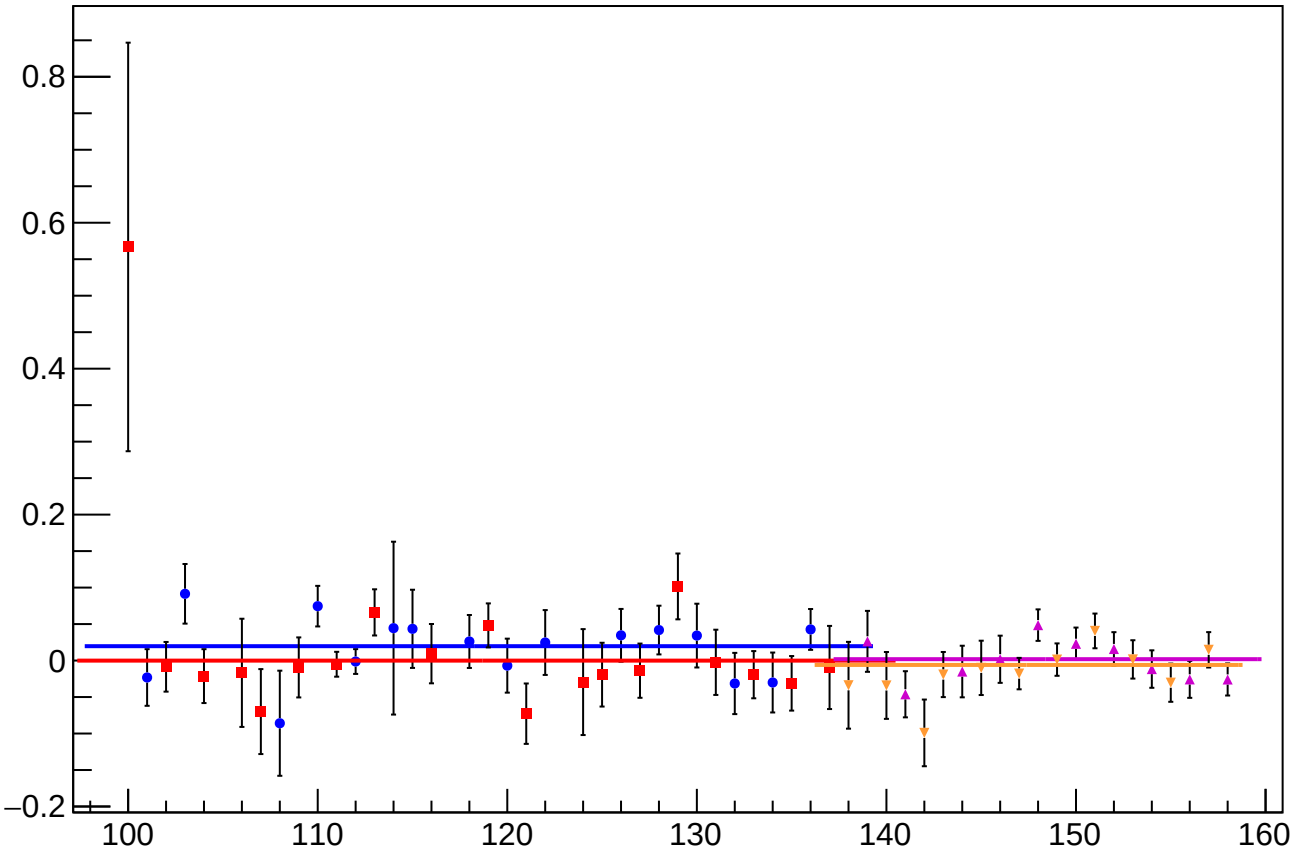
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:27.3/25

Out: 0.000+/-0.000 χ^2/NDF:45.8/29

All: 0.000+/-0.000 χ^2/NDF: 73.4/55


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1046593.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1153558.1/9
Left: 0.000+/-0.000 χ²/NDF: 2202858.5/20
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3192341.1/25
Out: 0.000+/-0.000 χ²/NDF:3320464.3/29
All: 0.000+/-0.000 χ²/NDF: 6542329.2/55



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.008 χ^2/NDF:11.9/9

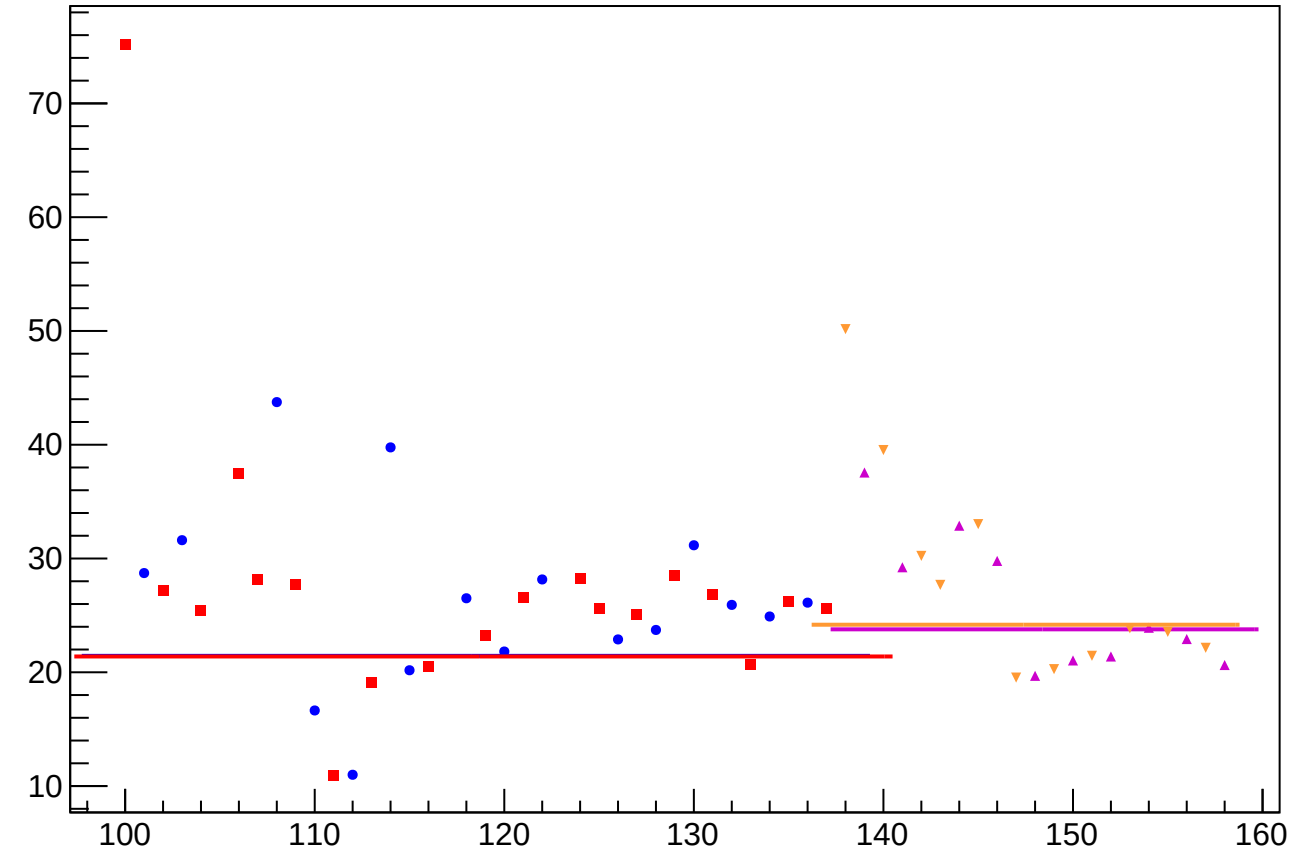
Left: -0.002+/-0.006 χ^2/NDF: 23.2/20

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:31.1/25

Out: -0.003+/-0.006 χ^2/NDF:34.0/29

All: 0.004+/-0.004 χ^2/NDF: 67.6/55



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.180+/-0.006 χ^2/NDF:976460.8/10

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.775+/-0.006 χ^2/NDF:645761.1/9

Left: 23.971+/-0.004 χ^2/NDF: 1624534.1/20

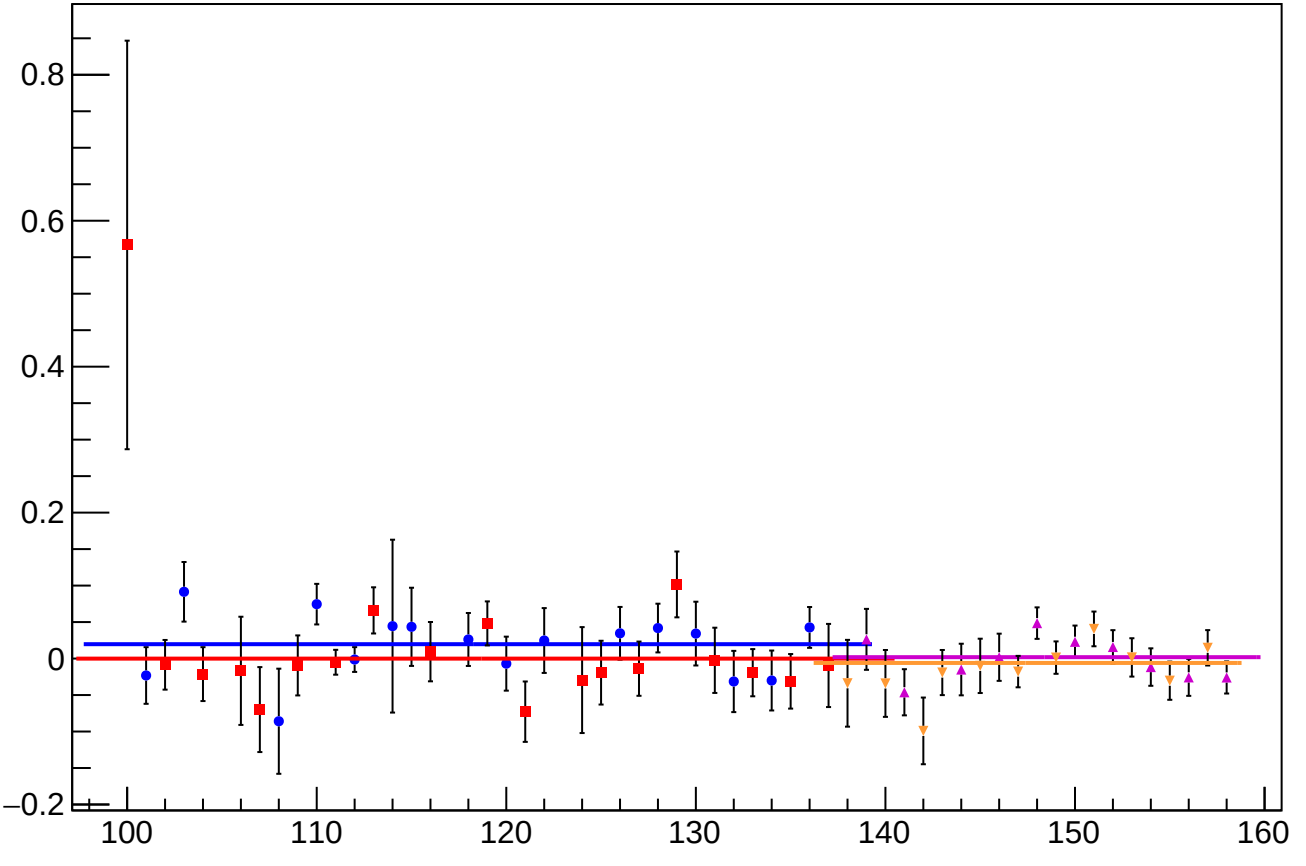
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.662+/-0.004 χ^2/NDF:2261797.8/25

Out: 22.772+/-0.004 χ^2/NDF:2395050.7/29

All: 22.717+/-0.003 χ^2/NDF: 4657180.2/55

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.008 χ^2/NDF:11.9/9

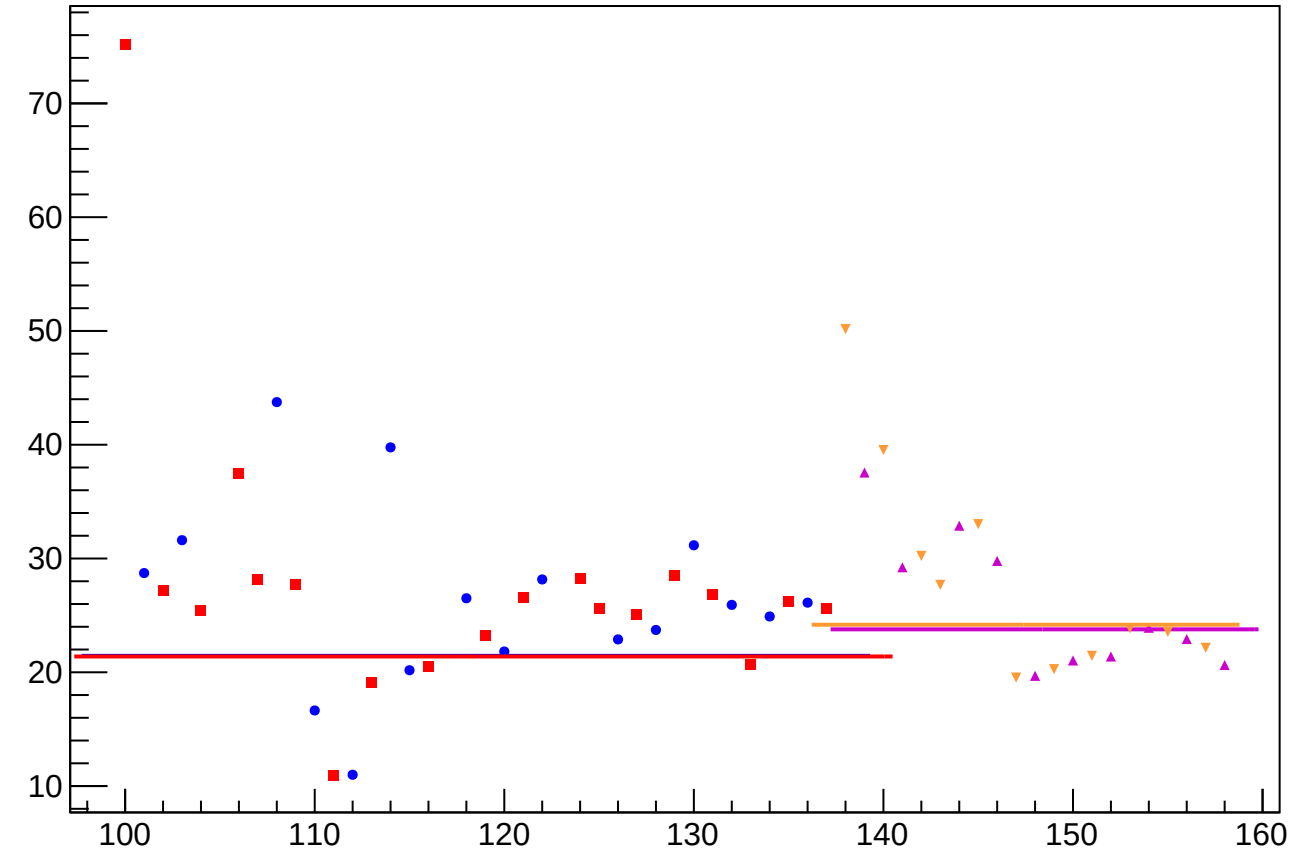
Left: -0.002+/-0.006 χ^2/NDF: 23.2/20

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:31.1/25

Out: -0.003+/-0.006 χ^2/NDF:34.0/29

All: 0.004+/-0.004 χ^2/NDF: 67.6/55



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.180+/-0.006 χ^2/NDF:976460.8/10

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.775+/-0.006 χ^2/NDF:645761.1/9

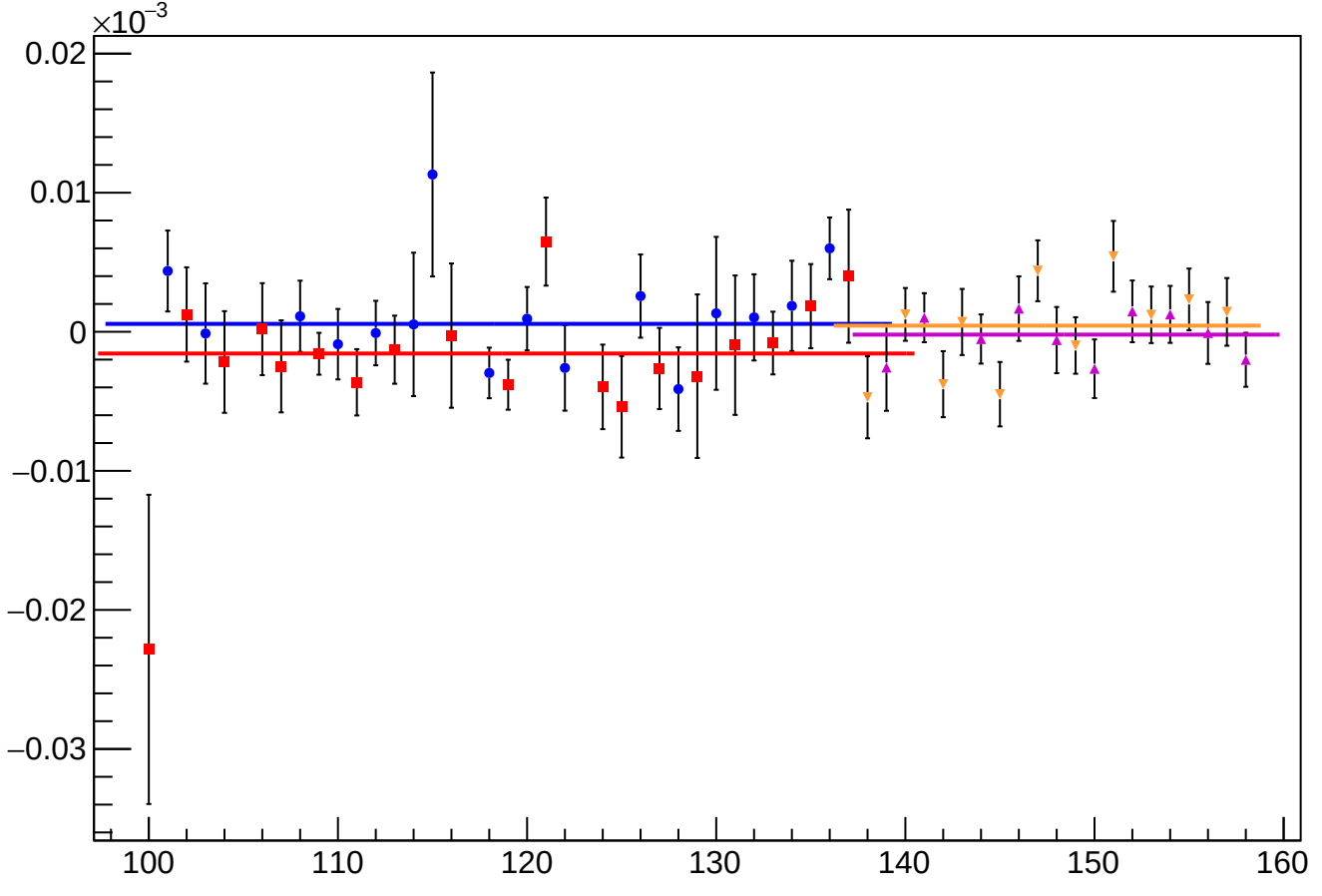
Left: 23.971+/-0.004 χ^2/NDF: 1624534.1/20

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.662+/-0.004 χ^2/NDF:2261797.8/25

Out: 22.772+/-0.004 χ^2/NDF:2395050.7/29

All: 22.717+/-0.003 χ^2/NDF: 4657180.2/55



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

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/9

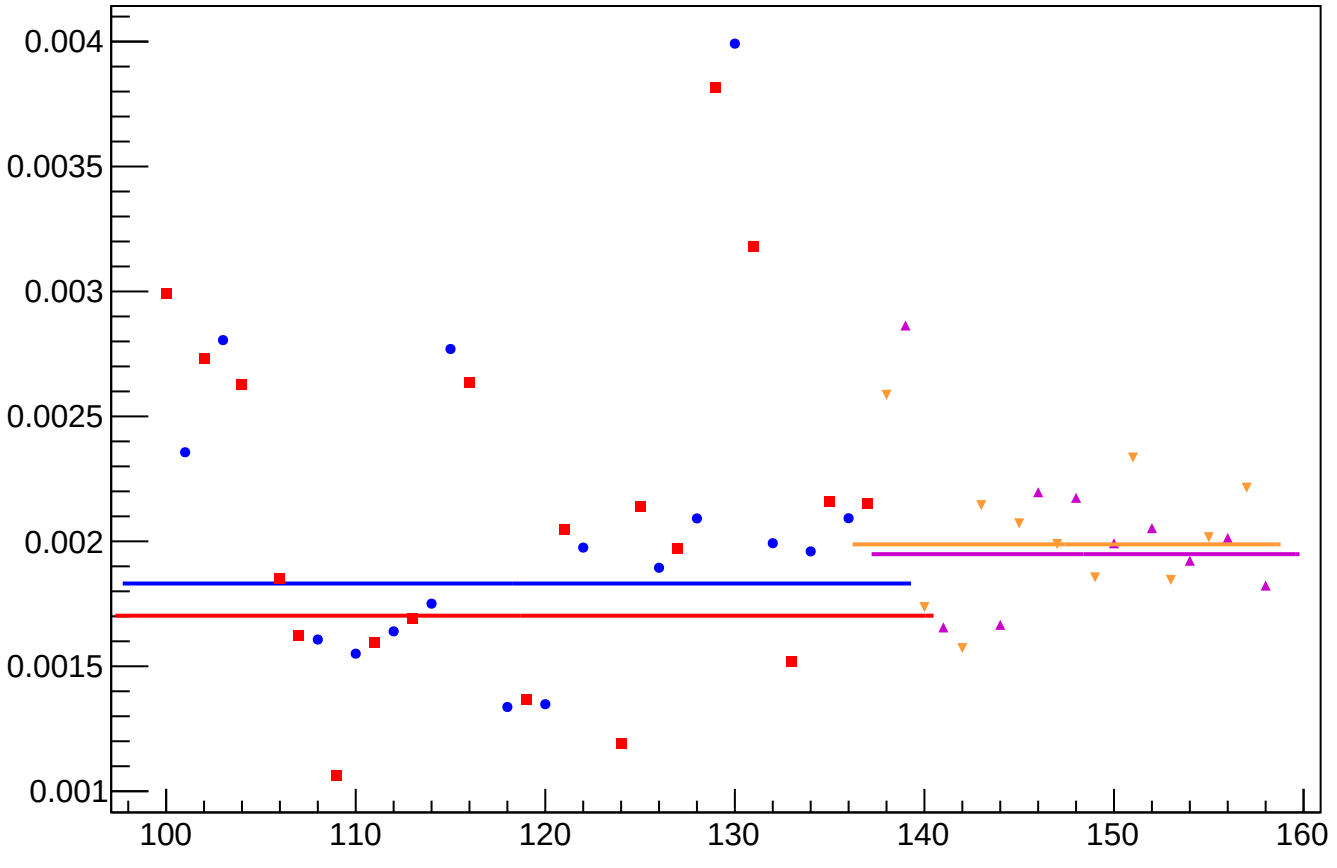
Left: 0.000+/-0.000 χ^2/NDF: 25.1/20

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:24.0/25

Out: -0.000+/-0.000 χ^2/NDF:42.3/29

All: -0.000+/-0.000 χ^2/NDF: 67.5/55



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:263084.8/10

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:335527.0/9

Left: 0.002+/-0.000 χ^2/NDF: 602005.4/20

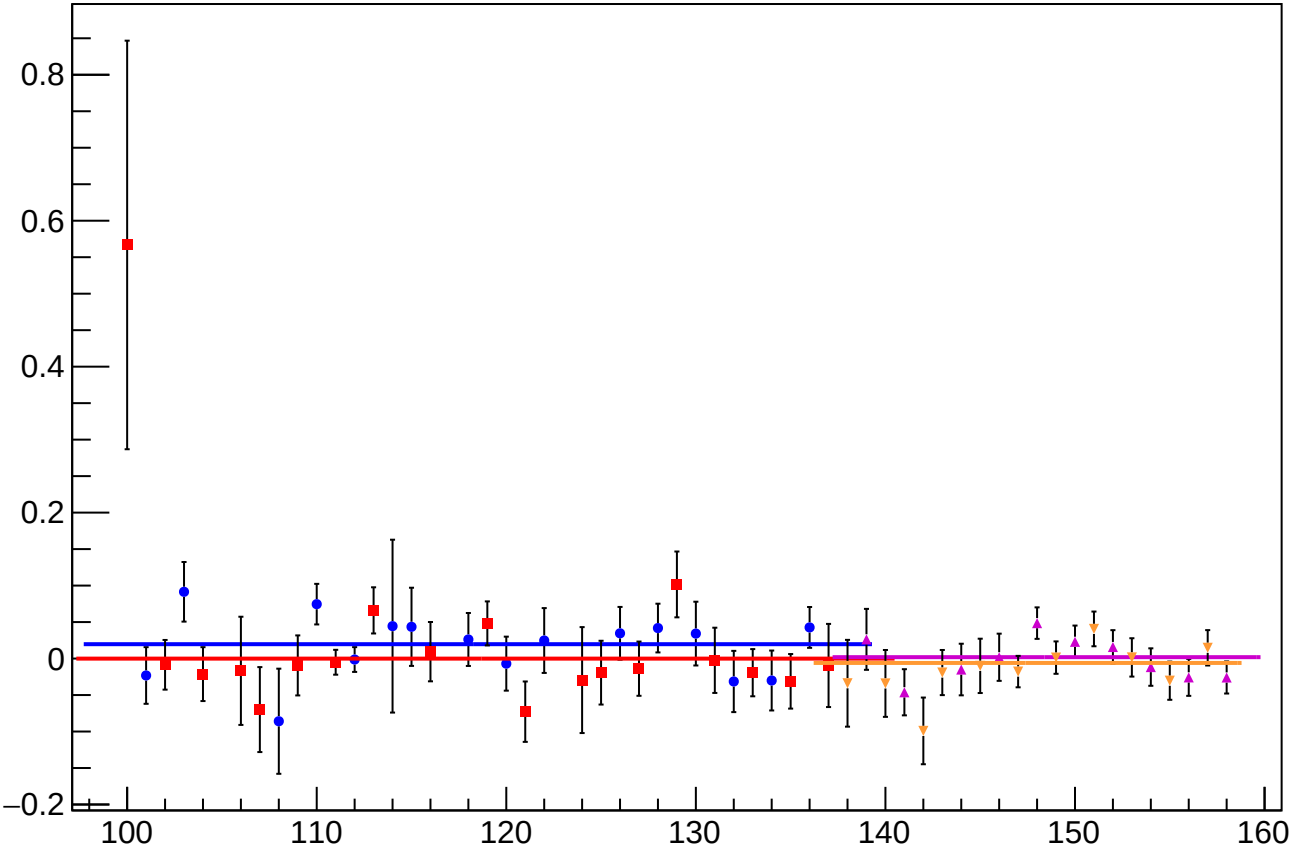
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1265119.7/25

Out: 0.002+/-0.000 χ^2/NDF:1922500.8/29

All: 0.002+/-0.000 χ^2/NDF: 3199729.4/55

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.008 χ^2/NDF:11.9/9

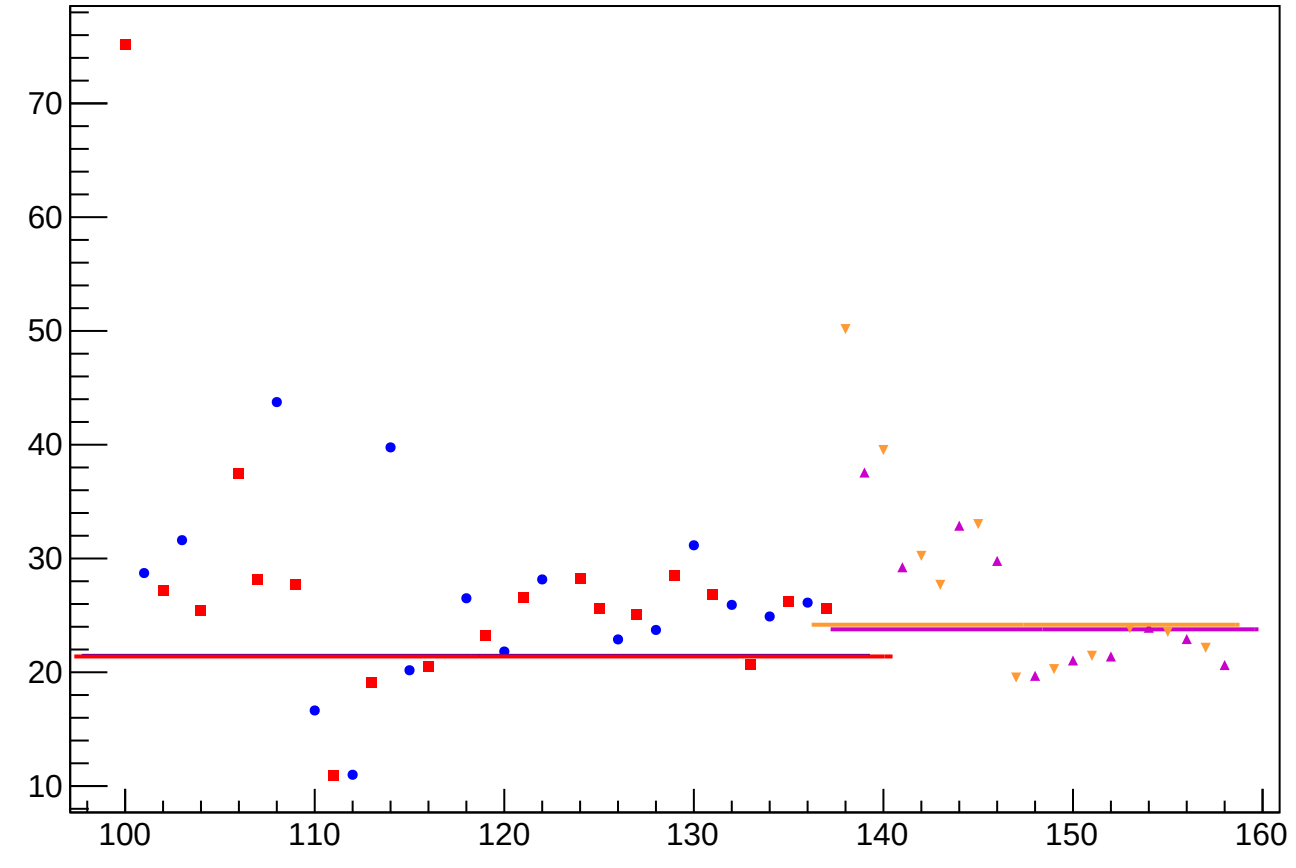
Left: -0.002+/-0.006 χ^2/NDF: 23.2/20

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:31.1/25

Out: -0.003+/-0.006 χ^2/NDF:34.0/29

All: 0.004+/-0.004 χ^2/NDF: 67.6/55



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.181+/-0.006 χ^2/NDF:976452.9/10

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.775+/-0.006 χ^2/NDF:645763.5/9

Left: 23.971+/-0.004 χ^2/NDF: 1624529.3/20

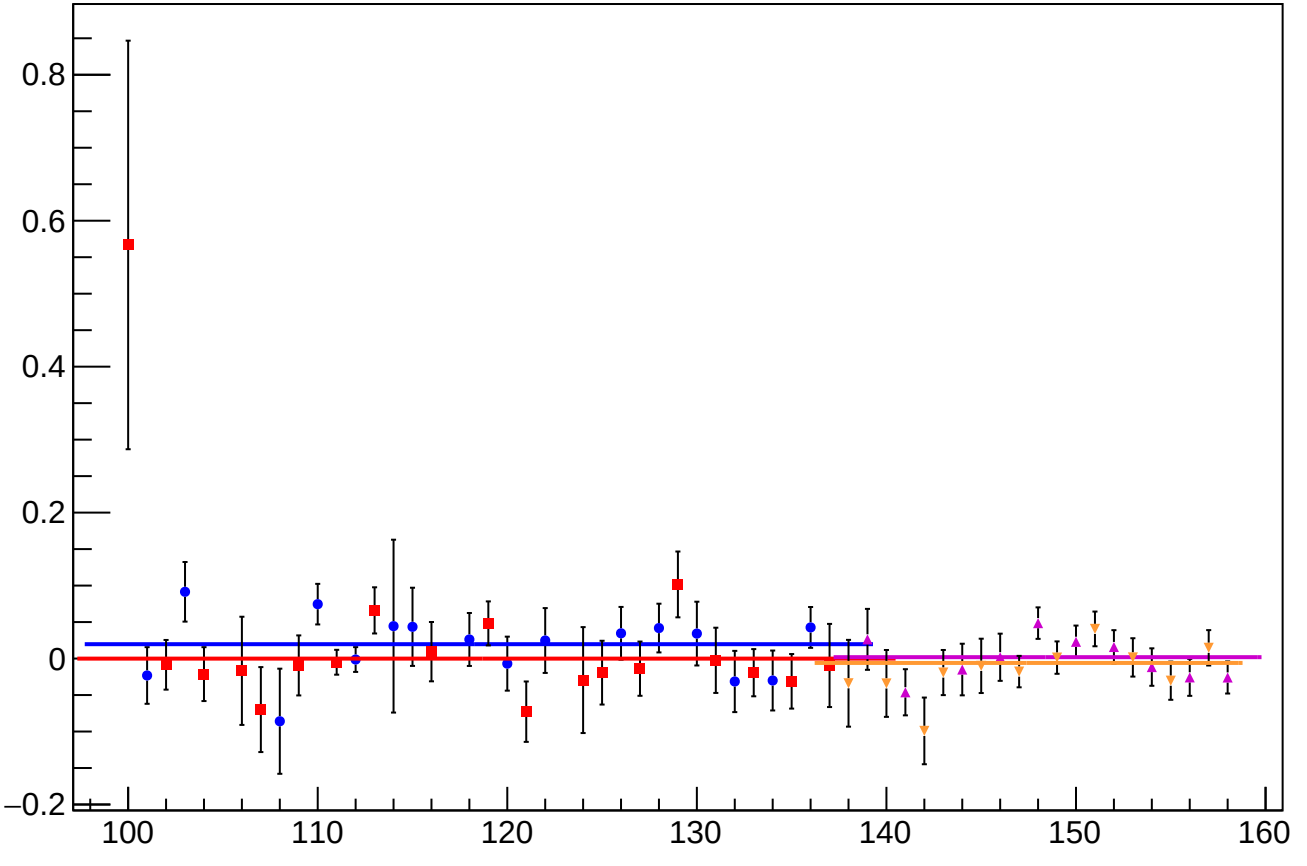
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.662+/-0.004 χ^2/NDF:2262001.8/25

Out: 22.772+/-0.004 χ^2/NDF:2395233.3/29

All: 22.717+/-0.003 χ^2/NDF: 4657567.0/55

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: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.002+/-0.008 χ^2/NDF:11.9/9

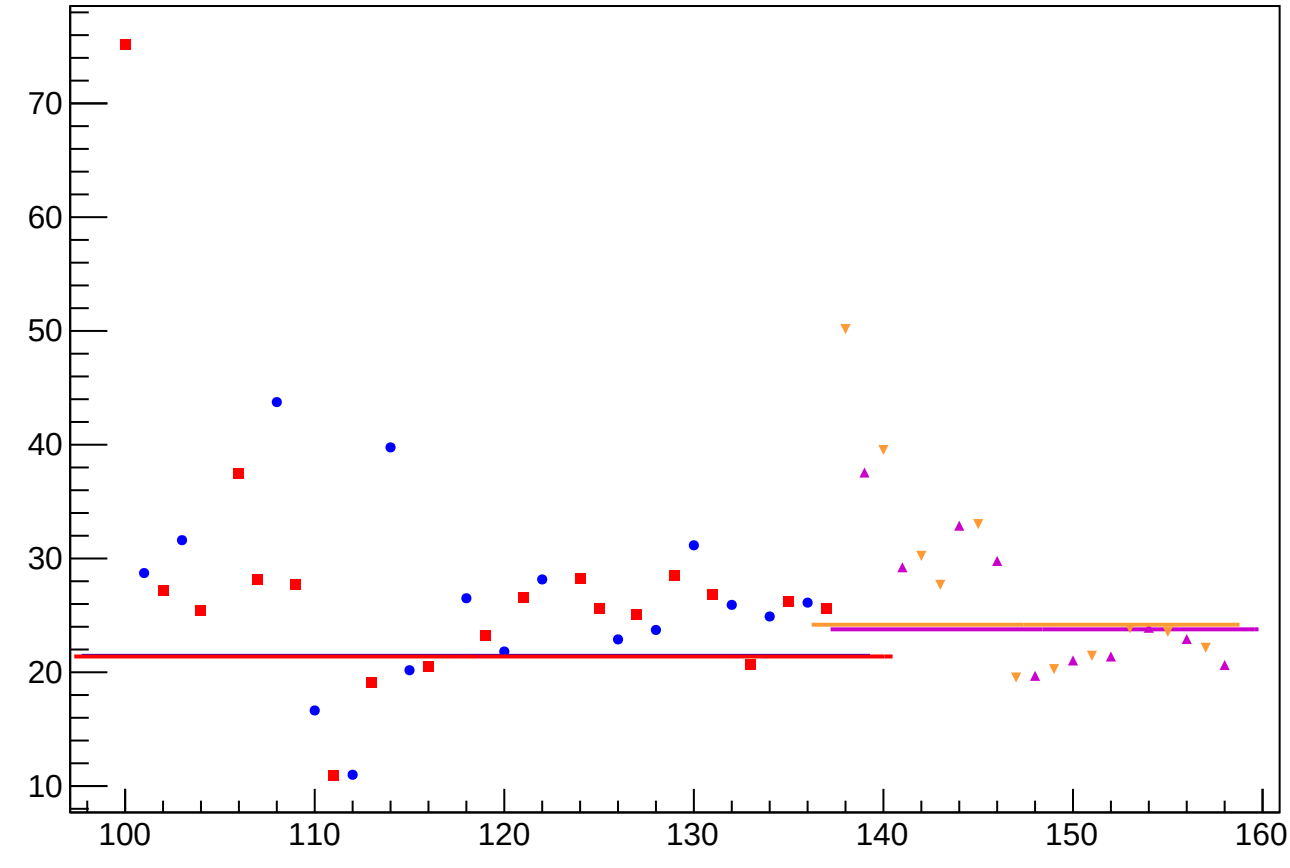
Left: -0.002+/-0.006 χ^2/NDF: 23.2/20

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.006 χ^2/NDF:31.1/25

Out: -0.003+/-0.006 χ^2/NDF:34.0/29

All: 0.004+/-0.004 χ^2/NDF: 67.6/55



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.181+/-0.006 χ^2/NDF:976452.9/10

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.775+/-0.006 χ^2/NDF:645763.5/9

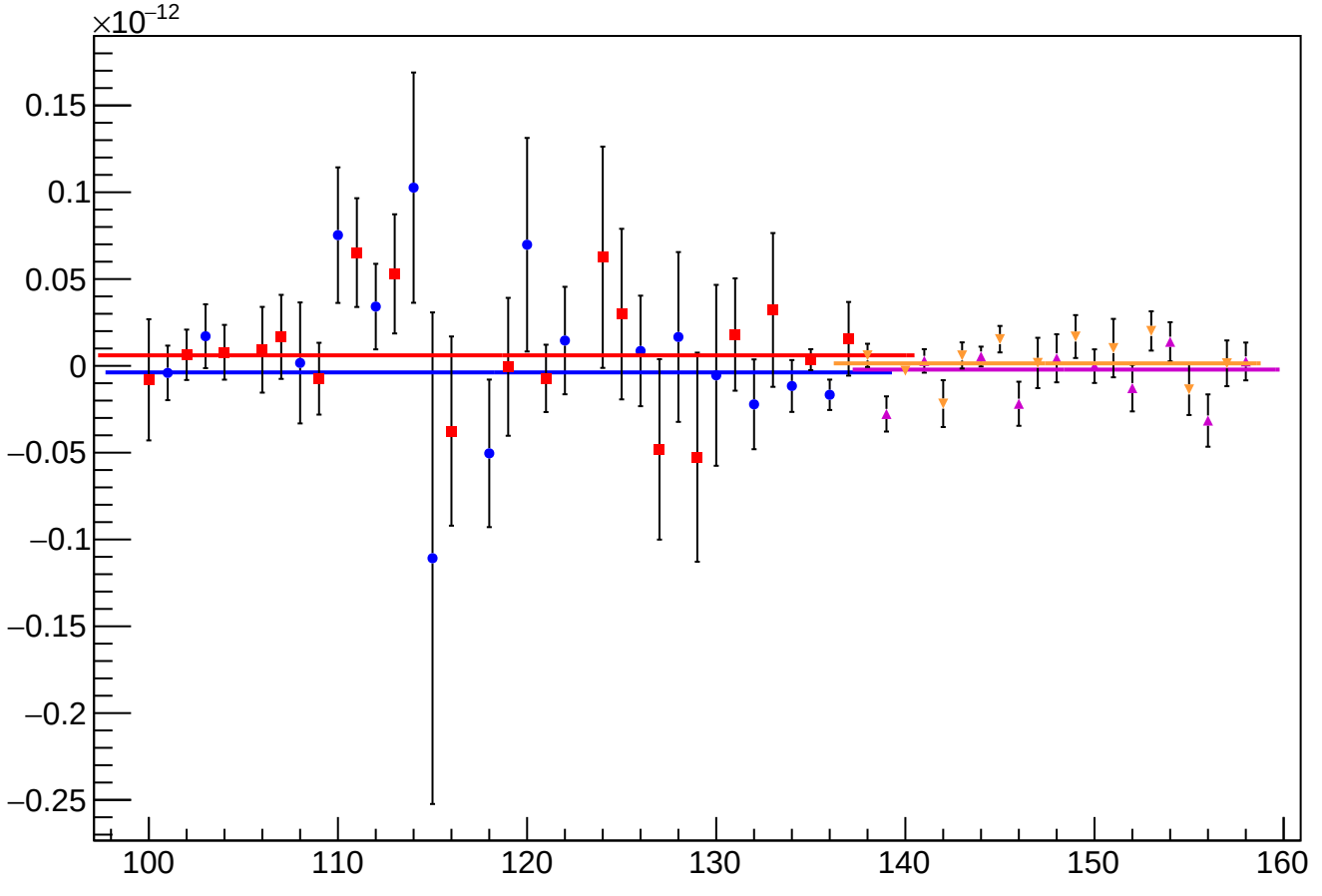
Left: 23.971+/-0.004 χ^2/NDF: 1624529.3/20

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.662+/-0.004 χ^2/NDF:2262001.8/25

Out: 22.772+/-0.004 χ^2/NDF:2395233.3/29

All: 22.717+/-0.003 χ^2/NDF: 4657567.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/9

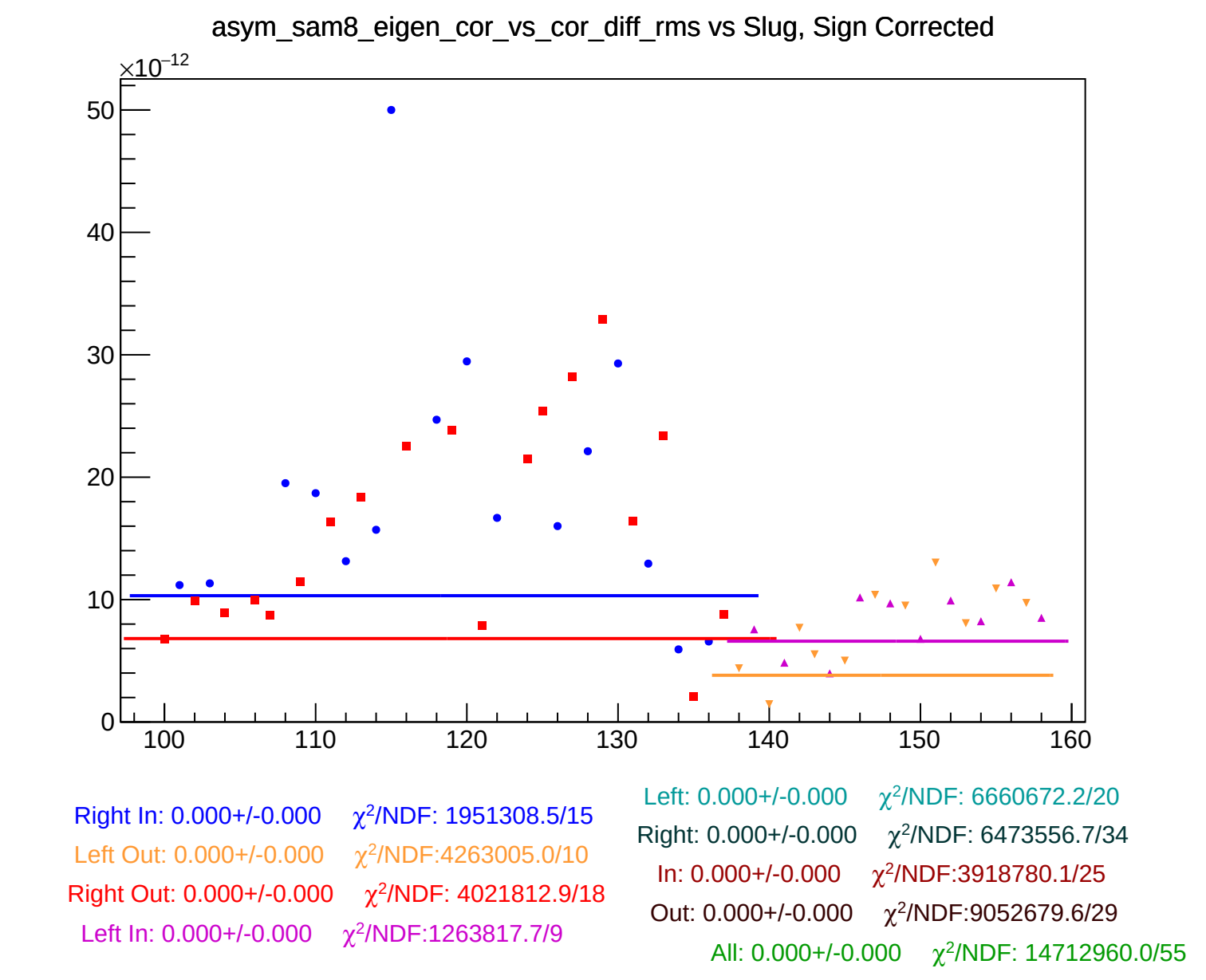
Left: 0.000+/-0.000 χ^2/NDF: 33.7/20

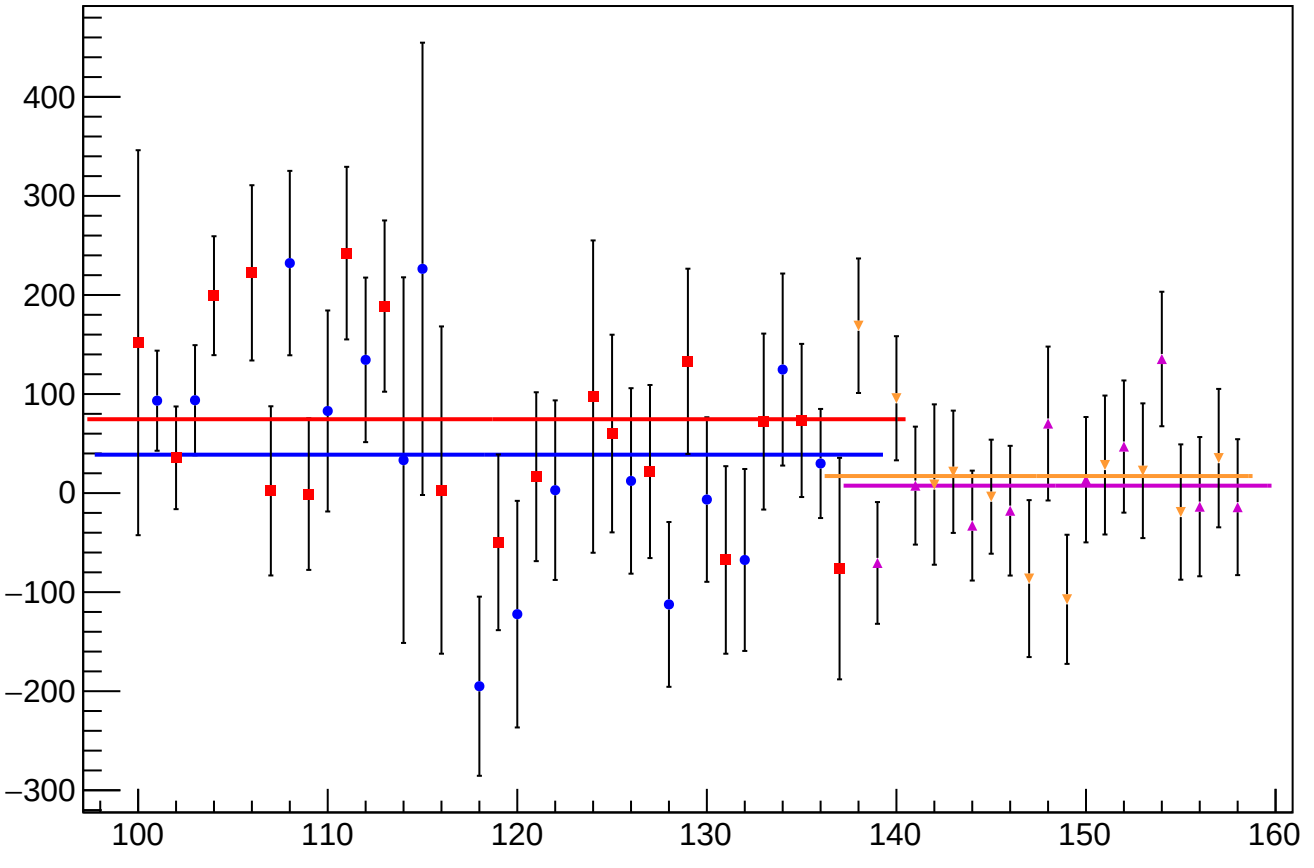
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:35.2/25

Out: 0.000+/-0.000 χ^2/NDF:27.1/29

All: 0.000+/-0.000 χ^2/NDF: 64.5/55


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4263005.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1263817.7/9
Left: 0.000+/-0.000 χ²/NDF: 6660672.2/20
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3918780.1/25
Out: 0.000+/-0.000 χ²/NDF:9052679.6/29
All: 0.000+/-0.000 χ²/NDF: 14712960.0/55



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.215+/-20.321 χ^2/NDF:12.4/10

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 7.493+/-20.513 χ^2/NDF:7.0/9

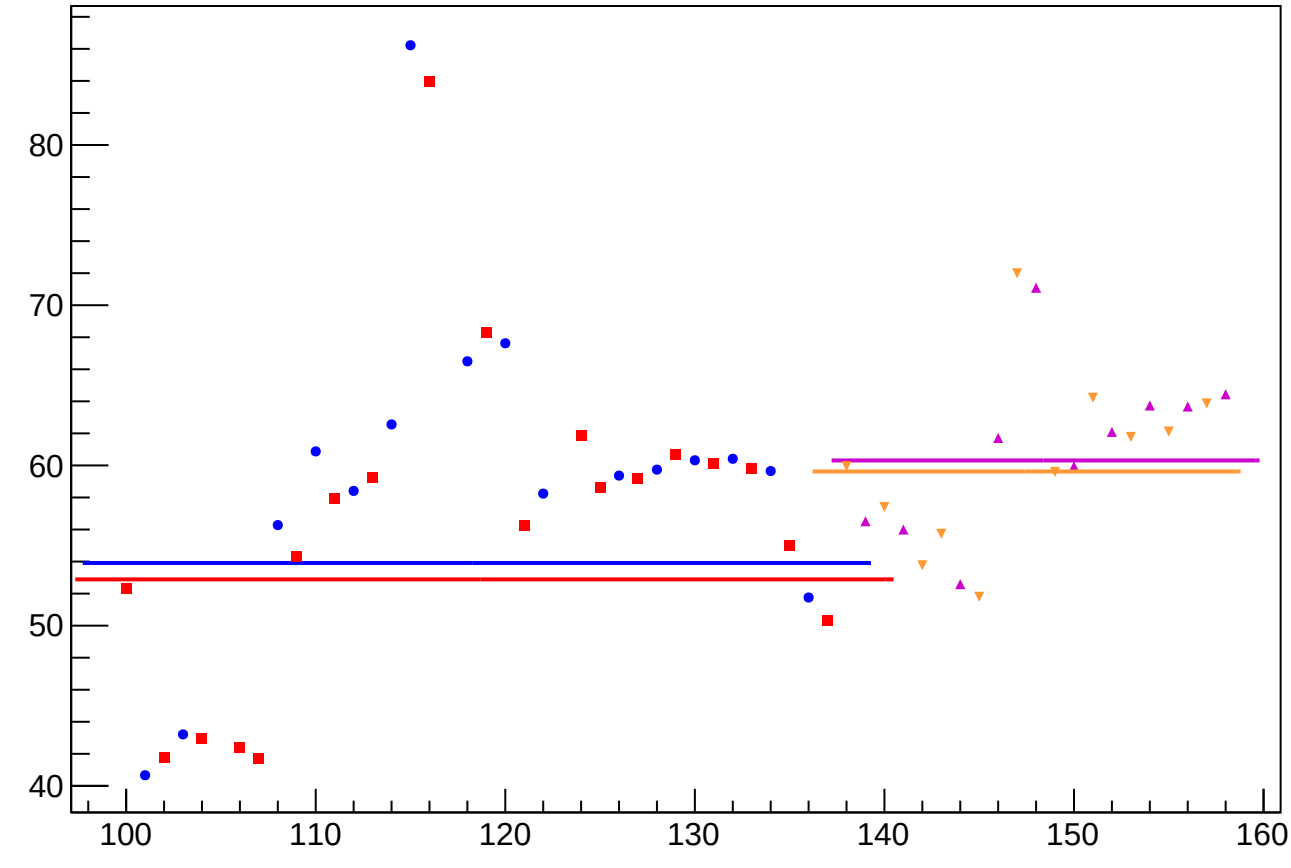
Left: 12.399+/-14.437 χ^2/NDF: 19.6/20

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 23.214+/-14.469 χ^2/NDF:31.5/25

Out: 46.640+/-14.182 χ^2/NDF:39.0/29

All: 35.162+/-10.128 χ^2/NDF: 71.8/55



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 59.622+/-0.014 χ^2/NDF:127272.8/10

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

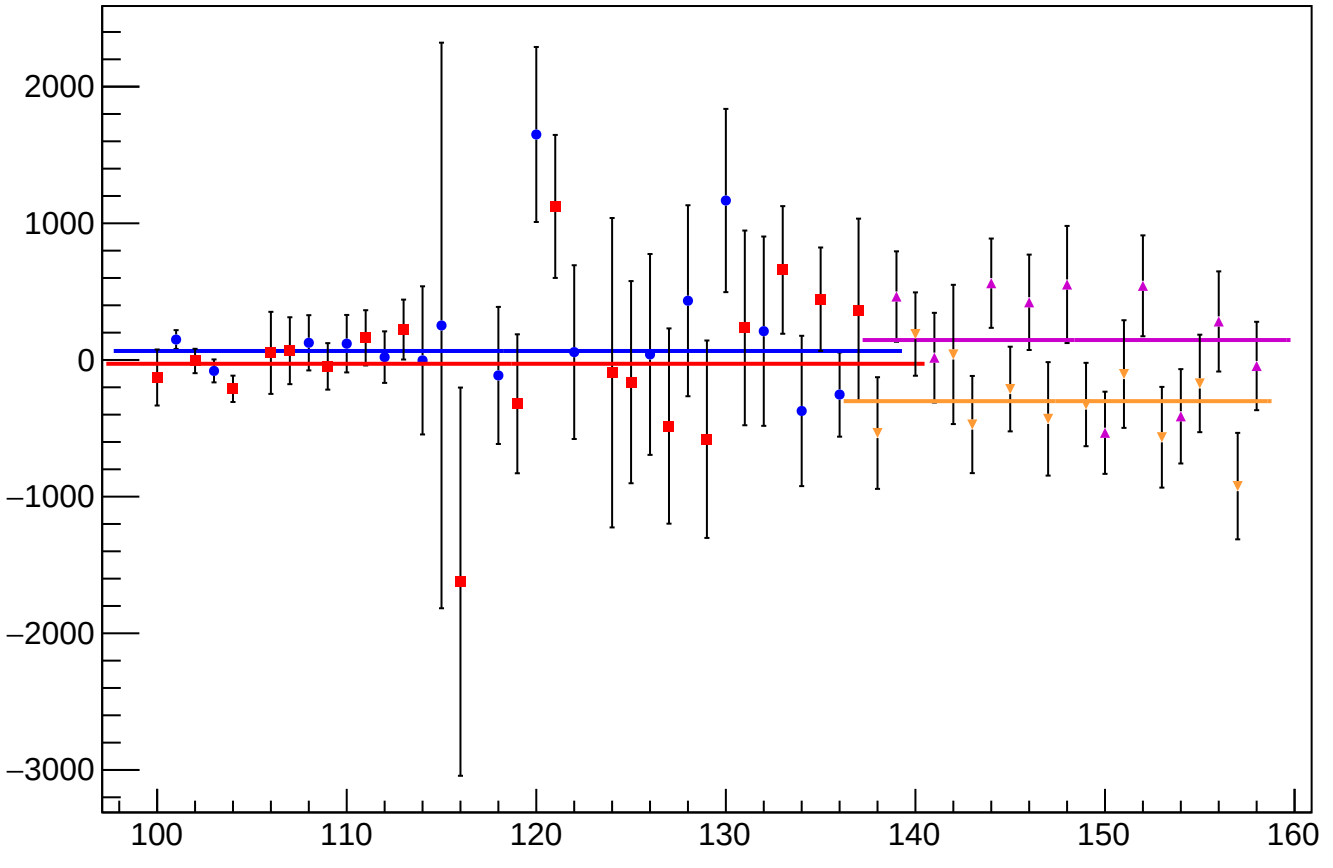
Left: 59.963+/-0.010 χ^2/NDF: 243105.5/20

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 57.096+/-0.010 χ^2/NDF:605744.9/25

Out: 56.168+/-0.010 χ^2/NDF:665121.2/29

All: 56.623+/-0.007 χ^2/NDF: 1275061.2/55



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -301.269+/-109.279 χ^2/NDF:7.2/10

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 145.929+/-108.299 χ^2/NDF:13.6/9

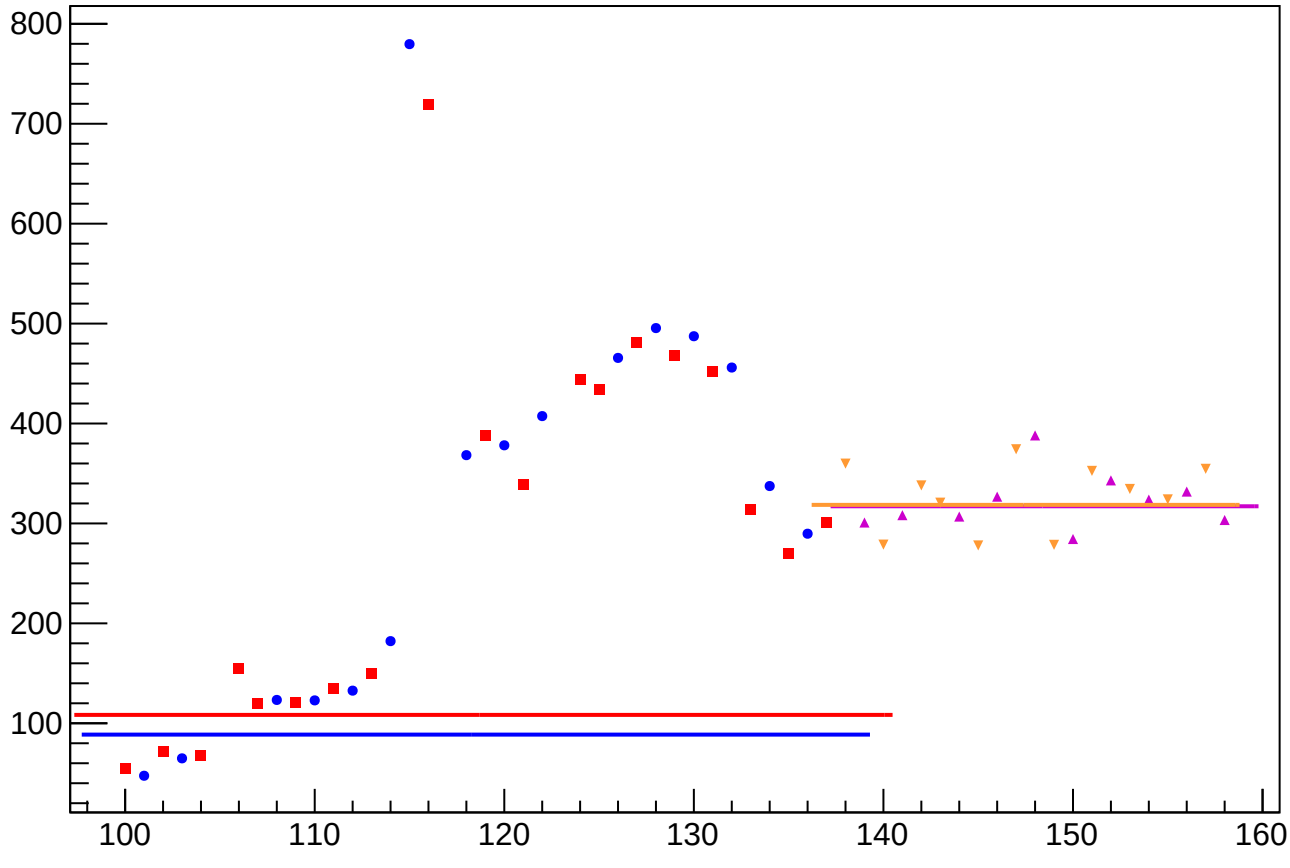
Left: -75.655+/-76.923 χ^2/NDF: 29.3/20

Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 78.308+/-42.711 χ^2/NDF:29.7/25

Out: -75.637+/-45.686 χ^2/NDF:30.4/29

All: 6.509+/-31.200 χ^2/NDF: 66.2/55



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 318.572+/-0.077 χ^2/NDF:198427.5/10

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 317.171+/-0.077 χ^2/NDF:105727.1/9

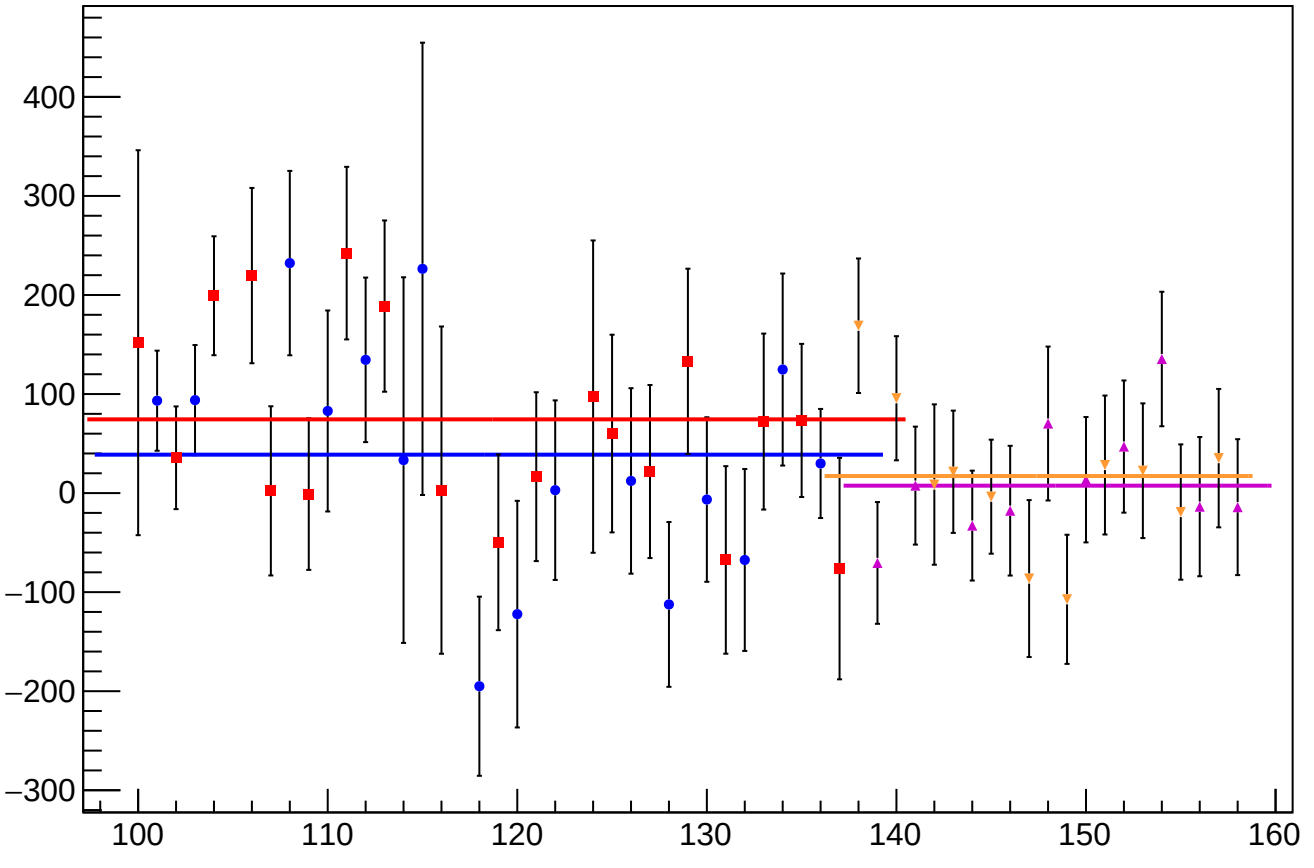
Left: 317.865+/-0.054 χ^2/NDF: 304320.5/20

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 124.200+/-0.030 χ^2/NDF:14273230.0/25

Out: 145.121+/-0.032 χ^2/NDF:11667003.4/29

All: 133.958+/-0.022 χ^2/NDF: 26164024.9/55



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.215+/-20.321 χ^2/NDF:12.4/10

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 7.493+/-20.513 χ^2/NDF:7.0/9

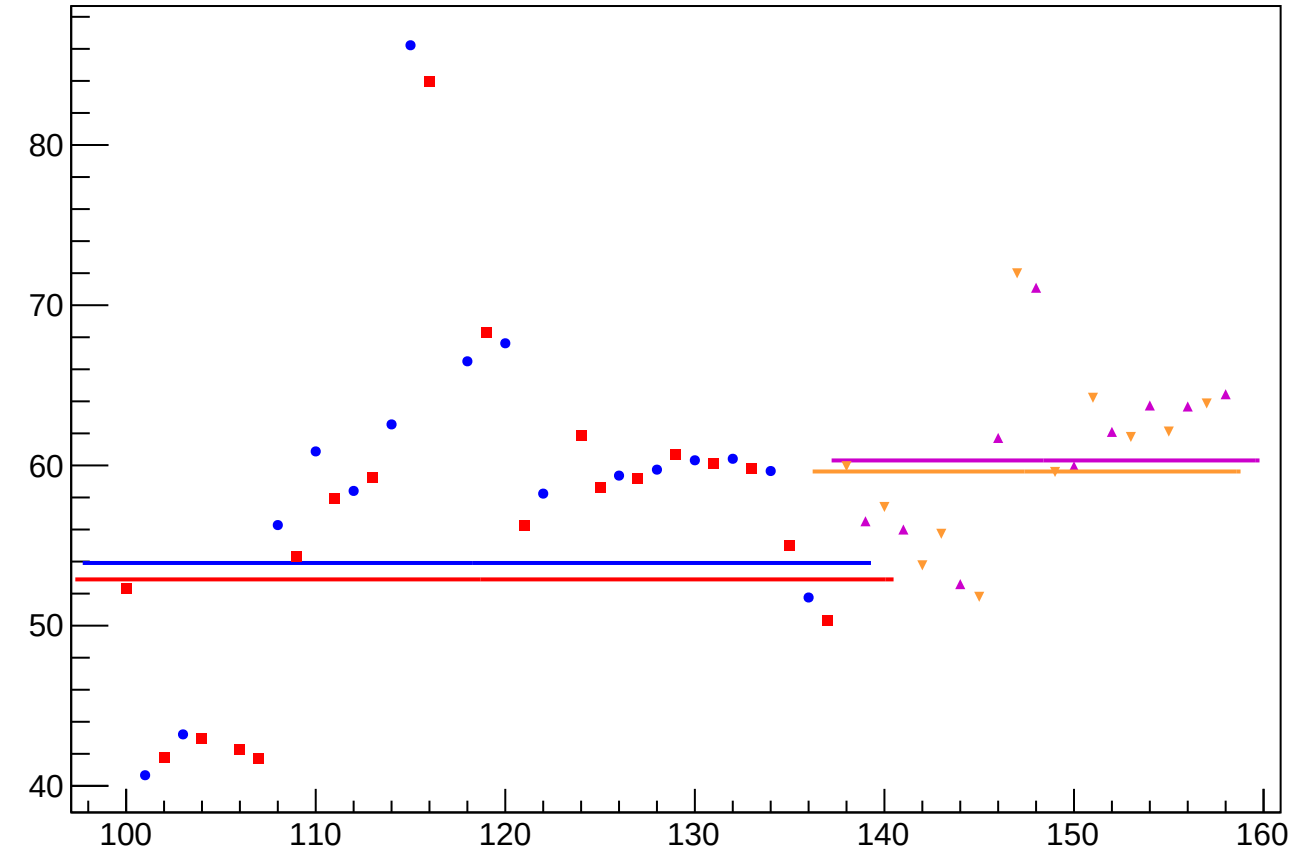
Left: 12.399+/-14.437 χ^2/NDF: 19.6/20

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 23.219+/-14.469 χ^2/NDF:31.5/25

Out: 46.568+/-14.183 χ^2/NDF:38.9/29

All: 35.127+/-10.128 χ^2/NDF: 71.7/55



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.622+/-0.014 χ^2/NDF:127272.8/10

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

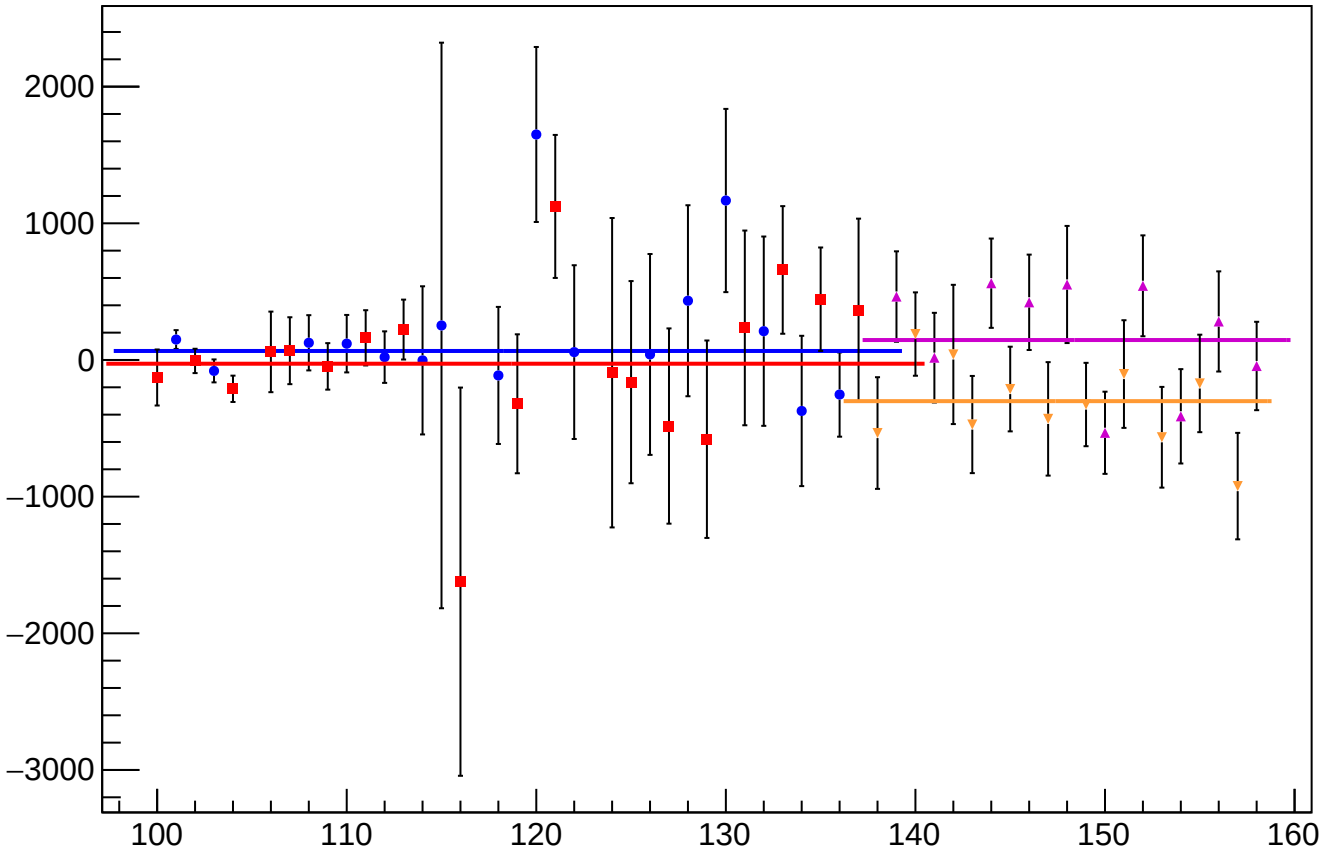
Left: 59.963+/-0.010 χ^2/NDF: 243105.5/20

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.096+/-0.010 χ^2/NDF:605744.1/25

Out: 56.167+/-0.010 χ^2/NDF:665496.0/29

All: 56.622+/-0.007 χ^2/NDF: 1275443.3/55



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -301.270+/-109.279 χ^2/NDF:7.2/10

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 145.927+/-108.298 χ^2/NDF:13.6/9

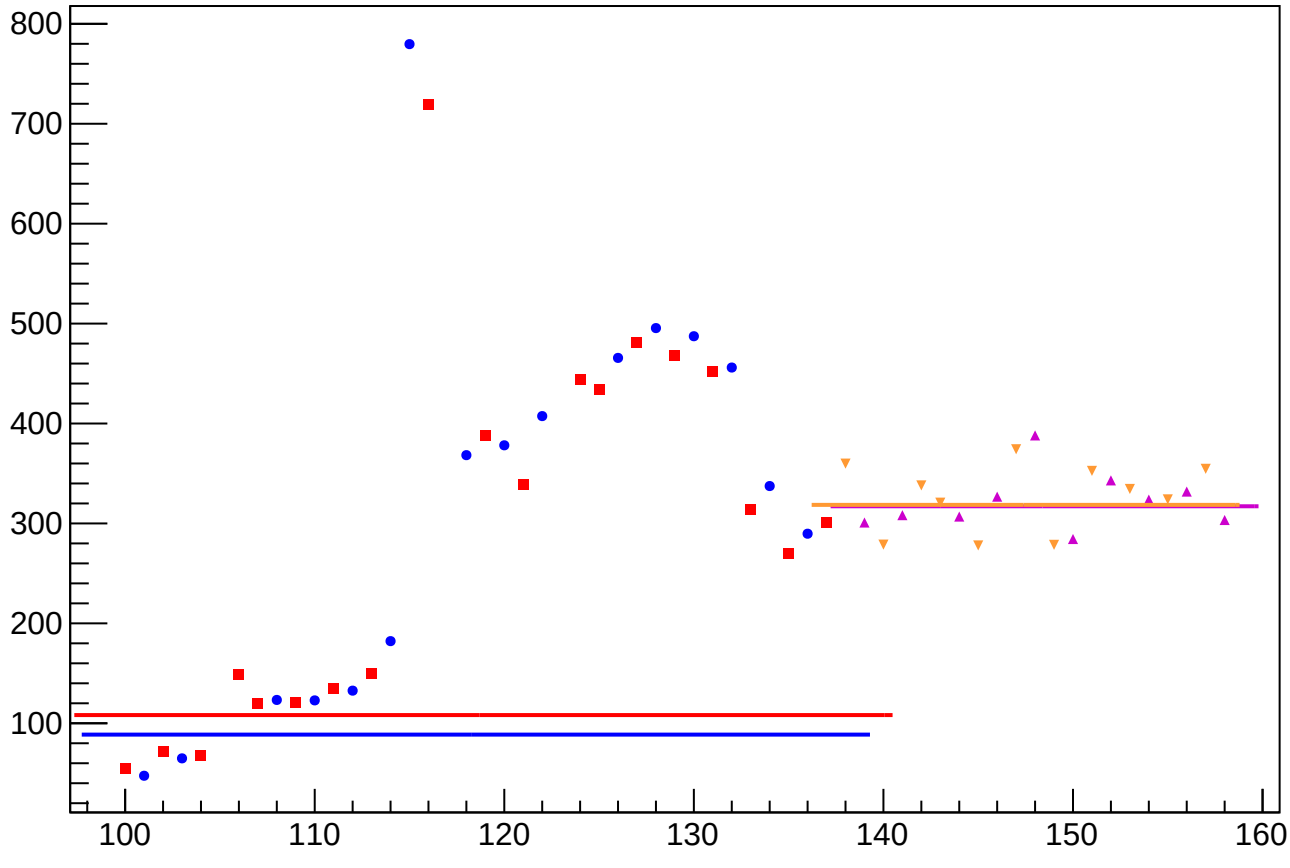
Left: -75.656+/-76.923 χ^2/NDF: 29.3/20

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 78.310+/-42.710 χ^2/NDF:29.7/25

Out: -75.204+/-45.653 χ^2/NDF:30.4/29

All: 6.661+/-31.189 χ^2/NDF: 66.2/55



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 318.572+/-0.077 χ^2/NDF:198427.7/10

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 317.170+/-0.077 χ^2/NDF:105728.1/9

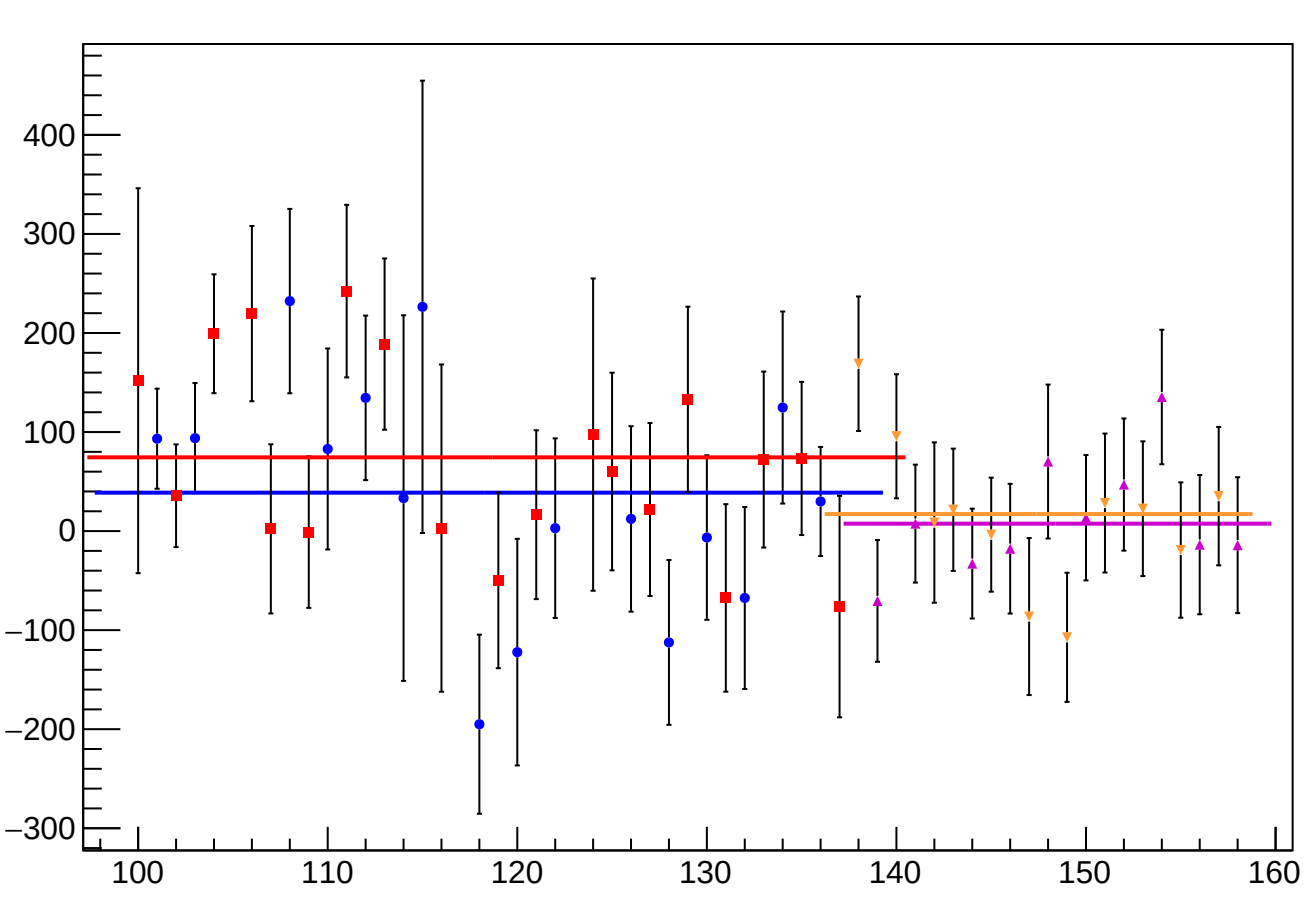
Left: 317.865+/-0.054 χ^2/NDF: 304321.8/20

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 124.197+/-0.030 χ^2/NDF:14273520.5/25

Out: 144.922+/-0.032 χ^2/NDF:11671225.2/29

All: 133.870+/-0.022 χ^2/NDF: 26164542.4/55



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.215+/-20.321 χ^2/NDF:12.4/10

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 7.493+/-20.513 χ^2/NDF:7.0/9

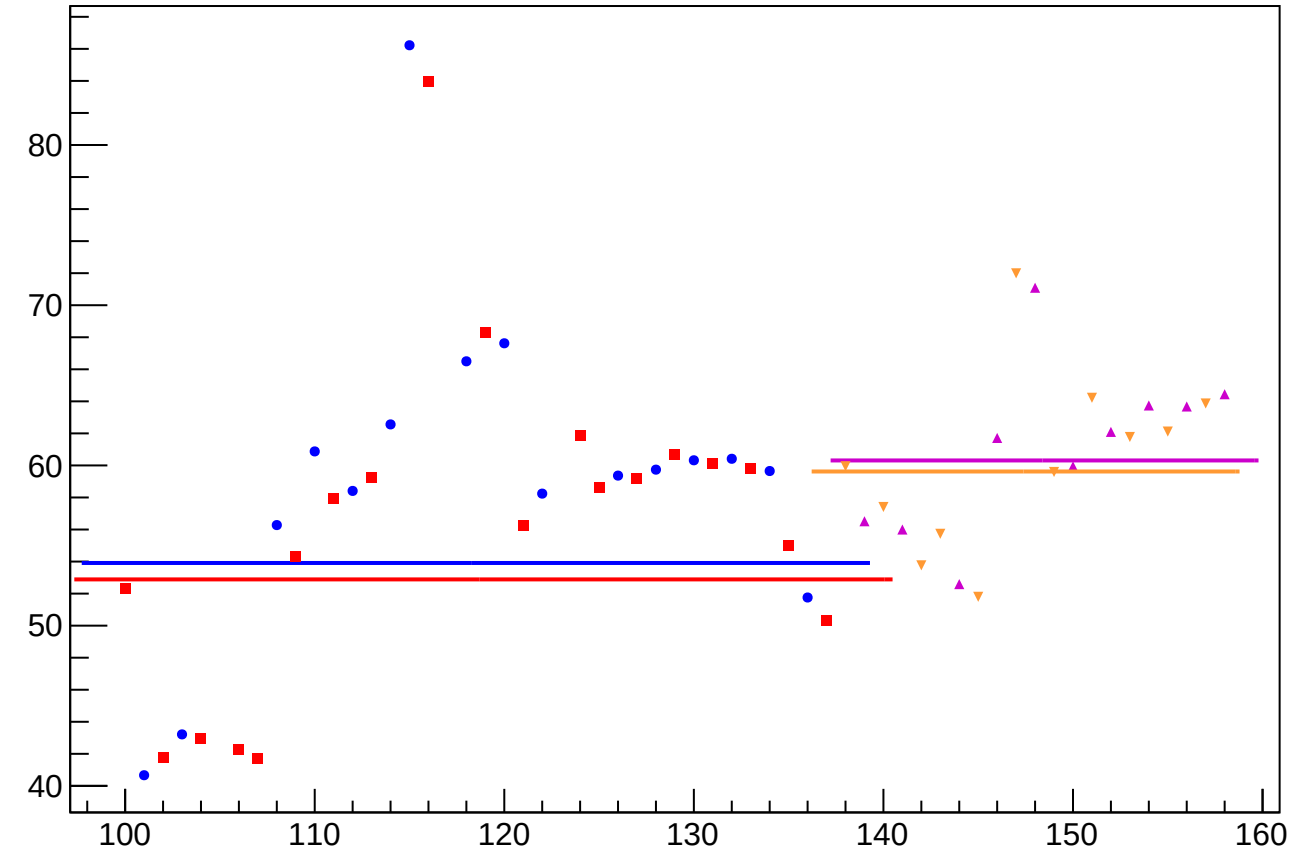
Left: 12.399+/-14.437 χ^2/NDF: 19.6/20

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 23.219+/-14.469 χ^2/NDF:31.5/25

Out: 46.568+/-14.183 χ^2/NDF:38.9/29

All: 35.127+/-10.128 χ^2/NDF: 71.7/55



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.622+/-0.014 χ^2/NDF:127272.8/10

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

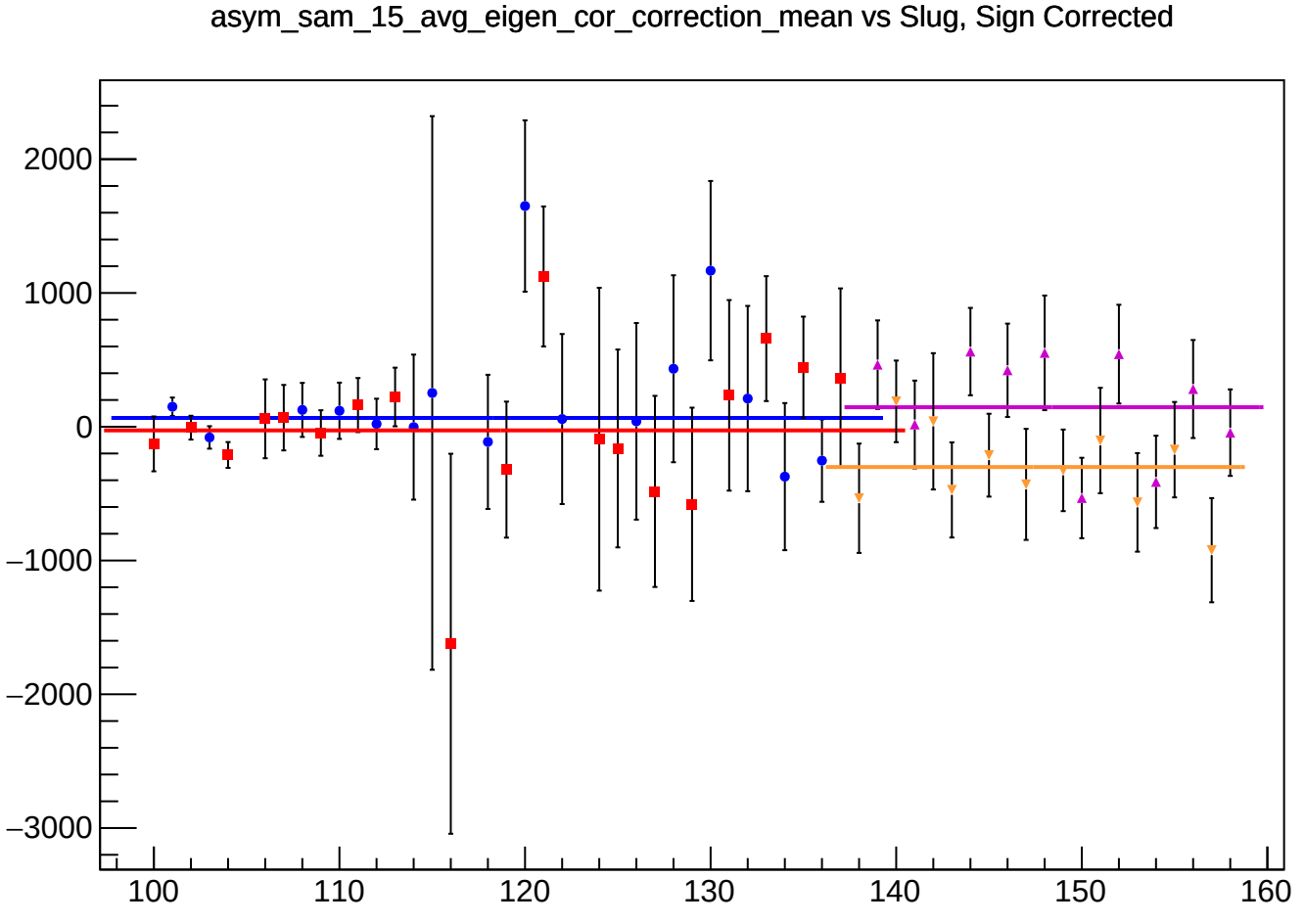
Left: 59.963+/-0.010 χ^2/NDF: 243105.5/20

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.096+/-0.010 χ^2/NDF:605744.1/25

Out: 56.167+/-0.010 χ^2/NDF:665496.0/29

All: 56.622+/-0.007 χ^2/NDF: 1275443.3/55



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -301.270+/-109.279 χ^2/NDF:7.2/10

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 145.927+/-108.298 χ^2/NDF:13.6/9

Left: -75.656+/-76.923 χ^2/NDF: 29.3/20

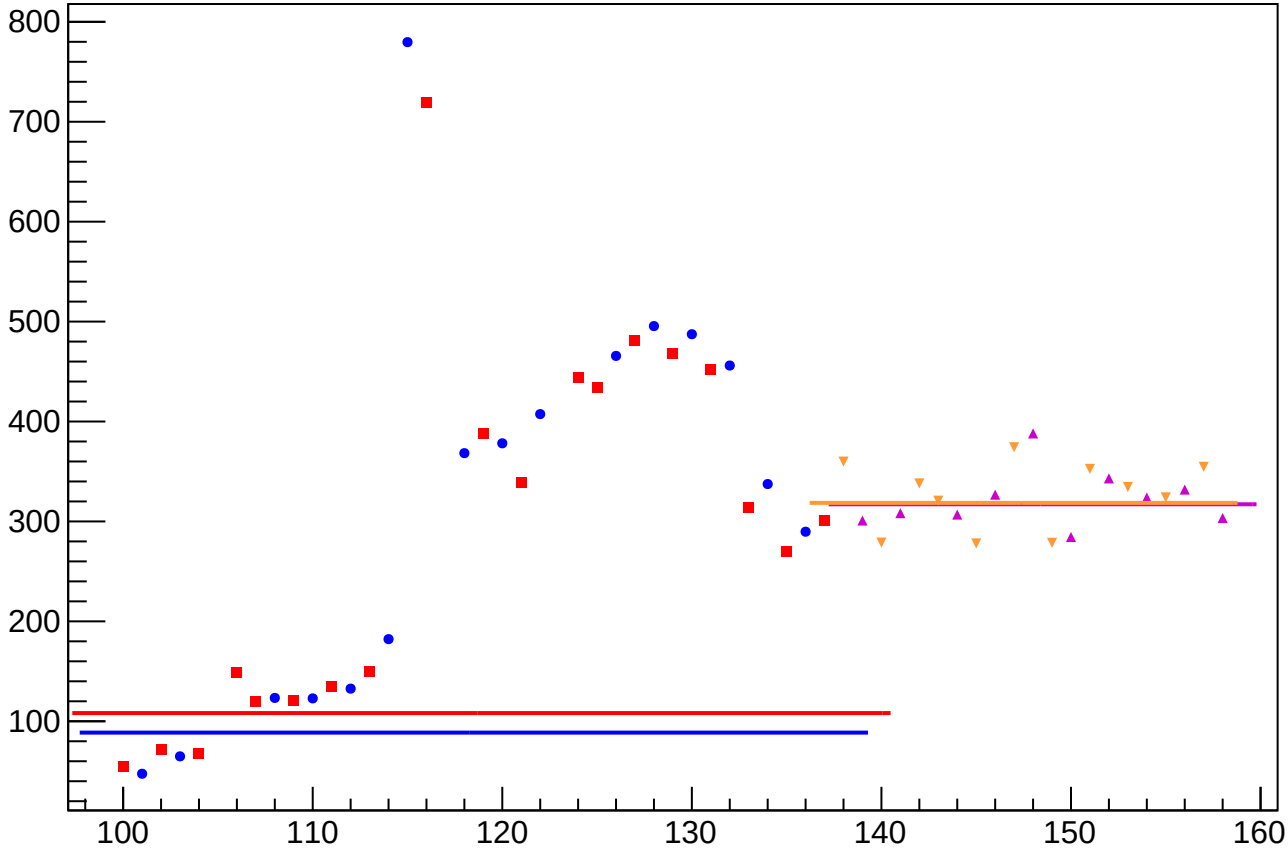
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 78.310+/-42.710 χ^2/NDF:29.7/25

Out: -75.204+/-45.653 χ^2/NDF:30.4/29

All: 6.661+/-31.189 χ^2/NDF: 66.2/55

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: 318.572+/-0.077 χ^2/NDF:198427.7/10

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 317.170+/-0.077 χ^2/NDF:105728.1/9

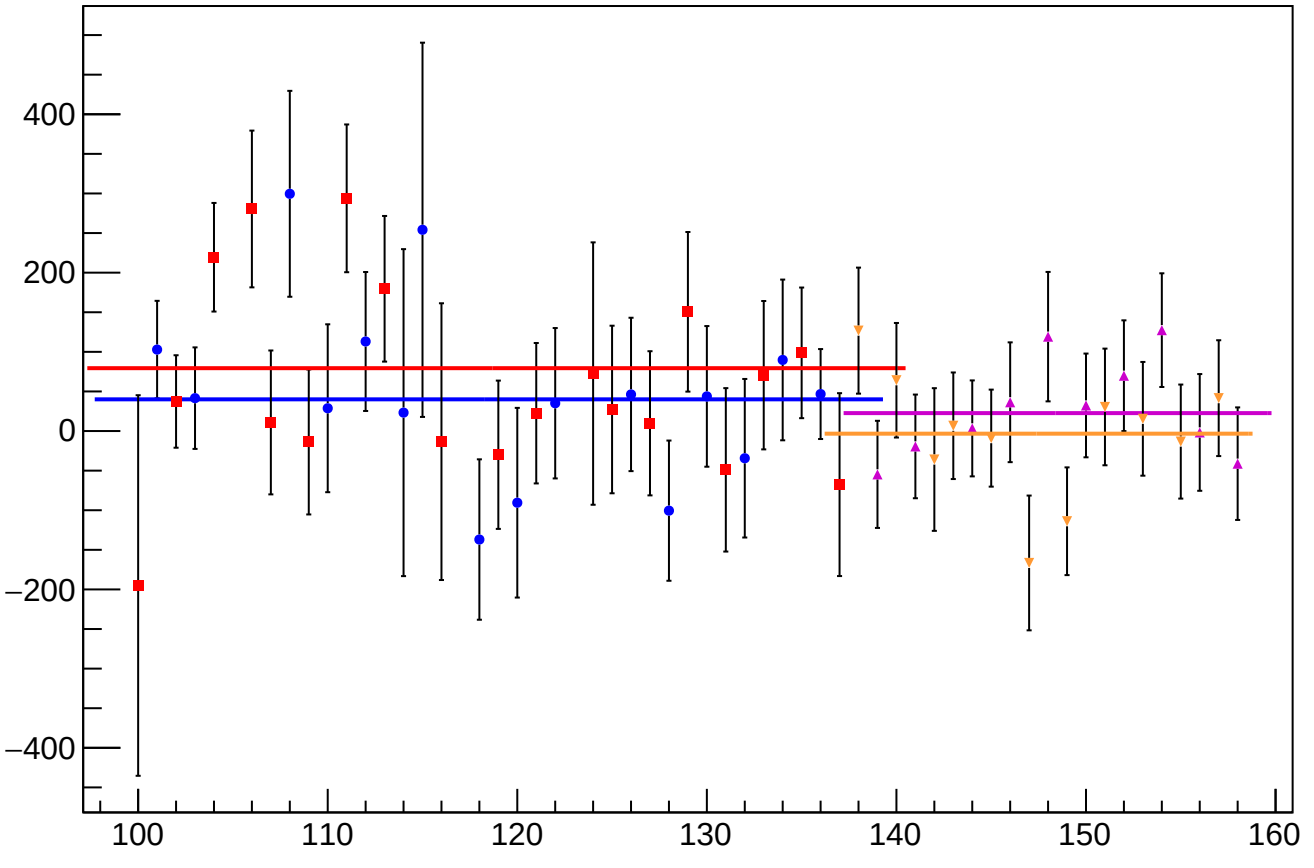
Left: 317.865+/-0.054 χ^2/NDF: 304321.8/20

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 124.197+/-0.030 χ^2/NDF:14273520.5/25

Out: 144.922+/-0.032 χ^2/NDF:11671225.2/29

All: 133.870+/-0.022 χ^2/NDF: 26164542.4/55



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -3.324+/-21.969 χ^2/NDF:10.7/10

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 22.637+/-22.018 χ^2/NDF:6.8/9

Left: 9.628+/-15.552 χ^2/NDF: 18.2/20

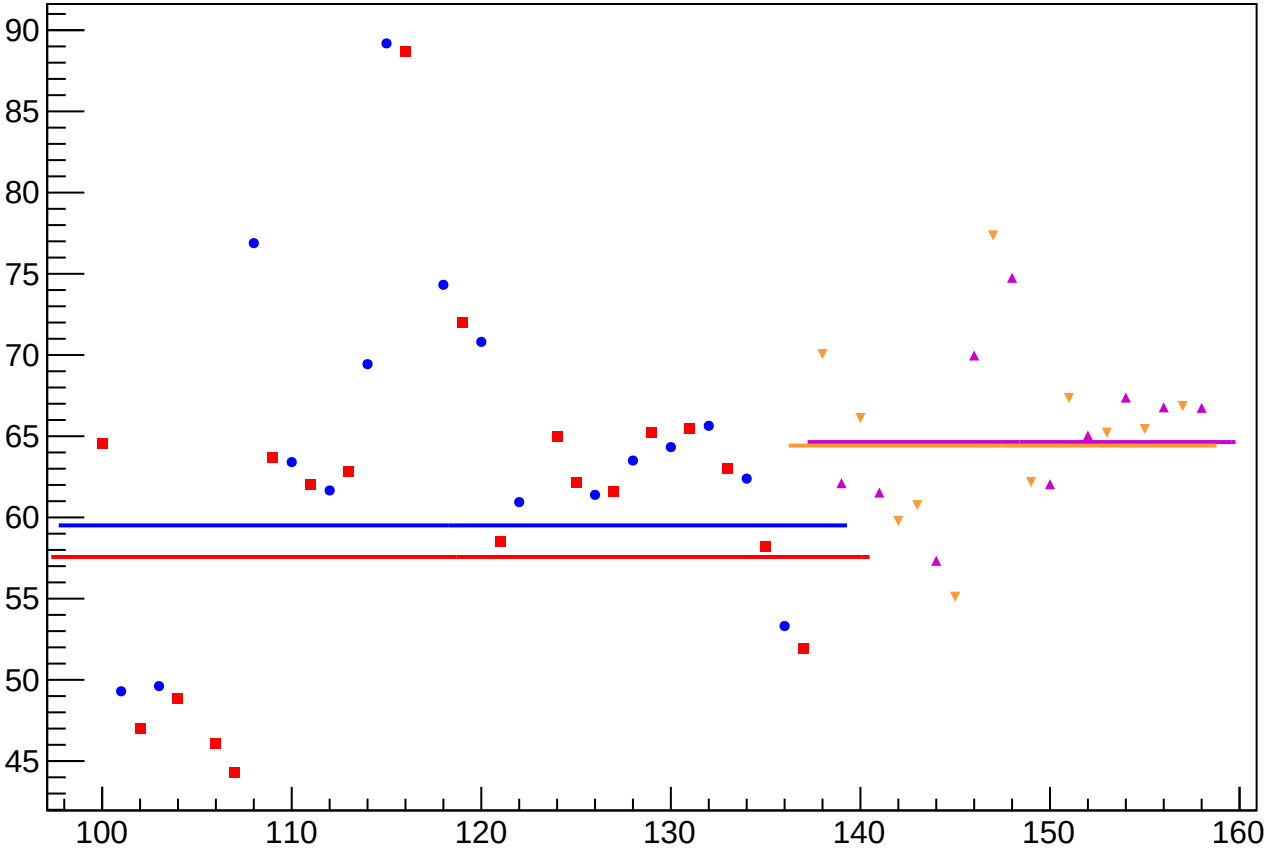
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 31.140+/-15.742 χ^2/NDF:21.2/25

Out: 38.771+/-15.394 χ^2/NDF:42.7/29

All: 35.041+/-11.006 χ^2/NDF: 64.1/55

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.423+/-0.016 χ^2/NDF:122992.2/10

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 64.640+/-0.016 χ^2/NDF:86549.8/9

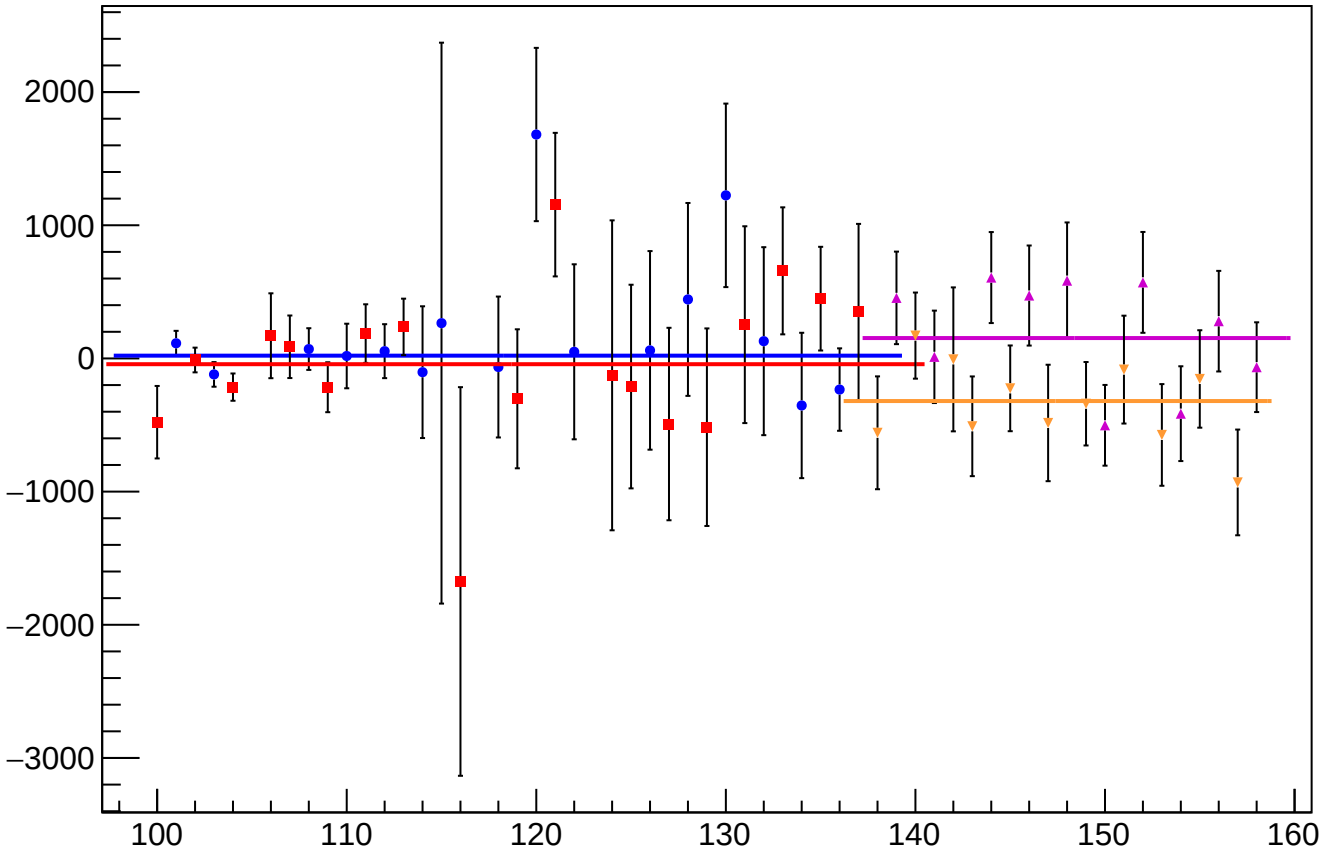
Left: 64.531+/-0.011 χ^2/NDF: 209638.7/20

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 62.131+/-0.011 χ^2/NDF:422836.6/25

Out: 60.933+/-0.011 χ^2/NDF:569533.1/29

All: 61.519+/-0.008 χ^2/NDF: 998290.8/55



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -319.982+/-113.558 χ^2/NDF:6.8/10

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 153.021+/-112.474 χ^2/NDF:13.4/9

Left: -81.210+/-79.912 χ^2/NDF: 28.9/20

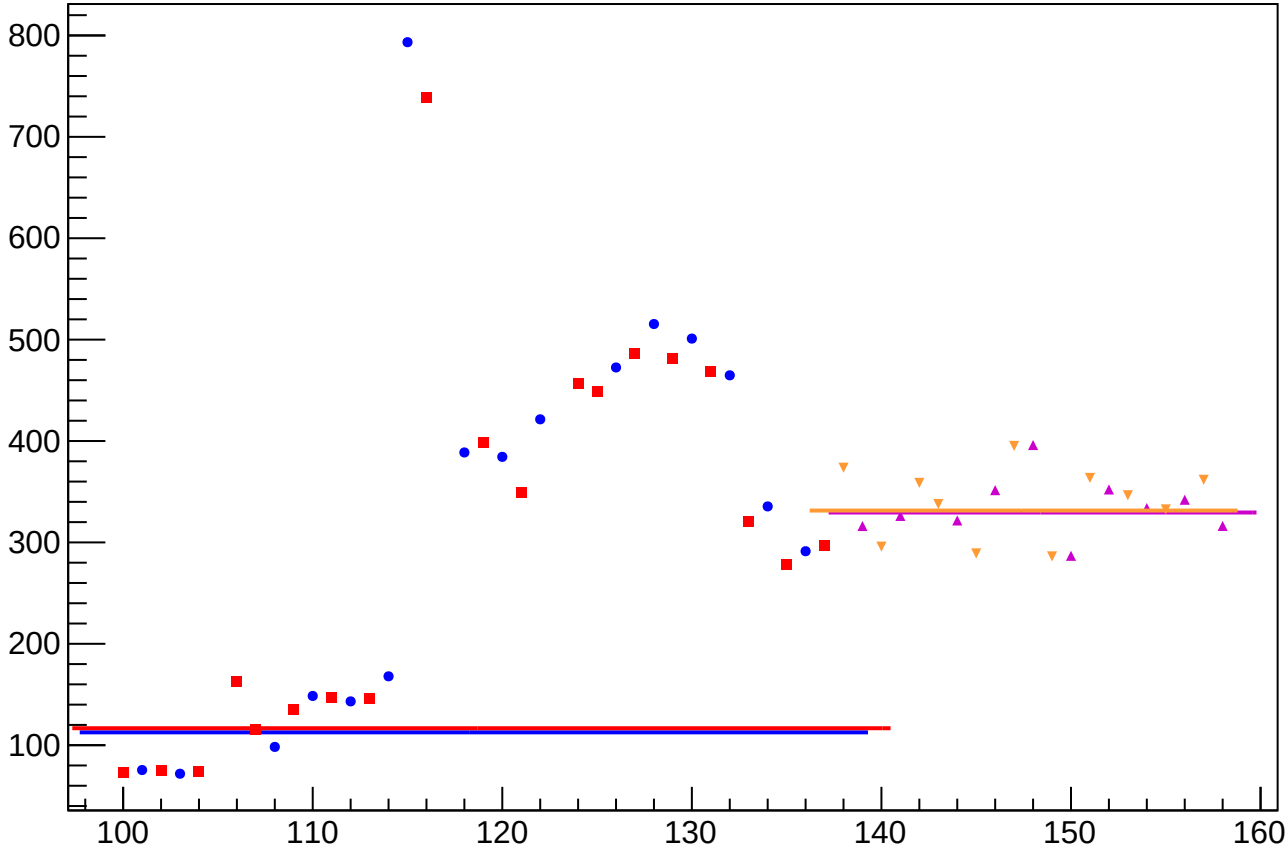
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 45.292+/-48.376 χ^2/NDF:29.1/25

Out: -93.080+/-48.183 χ^2/NDF:33.2/29

All: -24.170+/-34.138 χ^2/NDF: 66.4/55

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 331.424+/-0.080 χ^2/NDF:196000.7/10

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 329.496+/-0.080 χ^2/NDF:109966.3/9

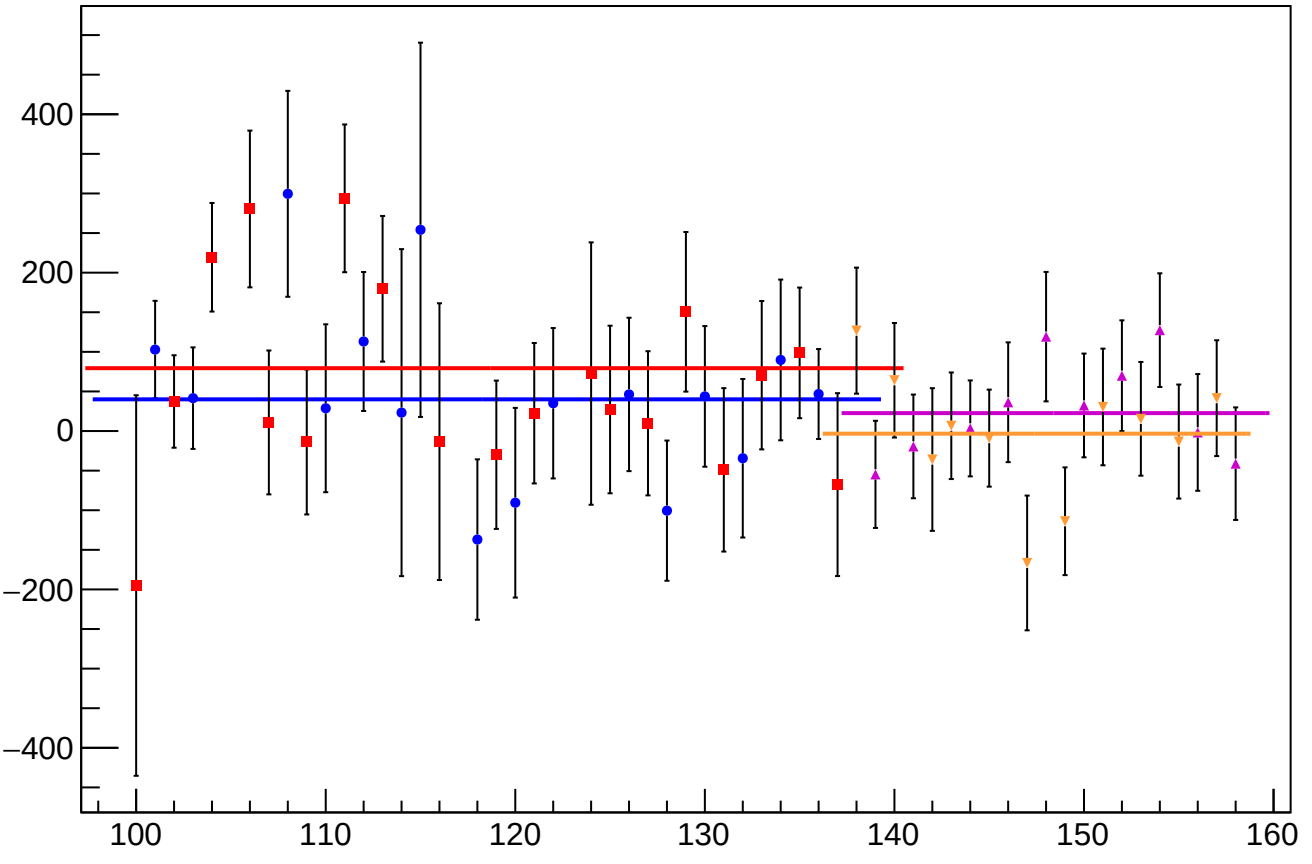
Left: 330.451+/-0.057 χ^2/NDF: 306258.0/20

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 152.779+/-0.034 χ^2/NDF:11767539.3/25

Out: 155.384+/-0.034 χ^2/NDF:11199010.4/29

All: 154.087+/-0.024 χ^2/NDF: 22969460.0/55



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -3.324+/-21.969 χ^2/NDF:10.7/10

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 22.638+/-22.018 χ^2/NDF:6.8/9

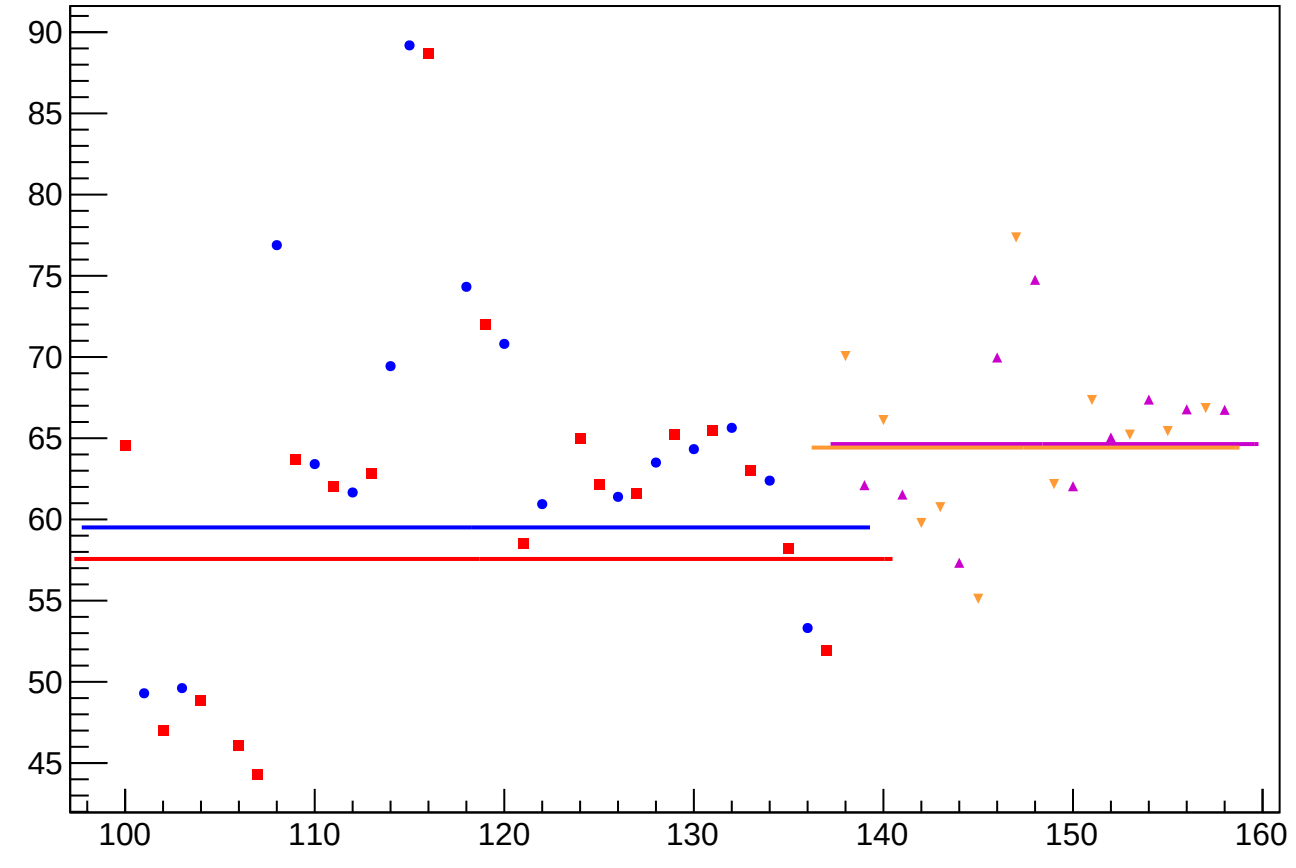
Left: 9.628+/-15.552 χ^2/NDF: 18.2/20

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 31.140+/-15.742 χ^2/NDF:21.2/25

Out: 38.771+/-15.394 χ^2/NDF:42.7/29

All: 35.041+/-11.006 χ^2/NDF: 64.1/55



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.424+/-0.016 χ^2/NDF:122995.4/10

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 64.640+/-0.016 χ^2/NDF:86549.1/9

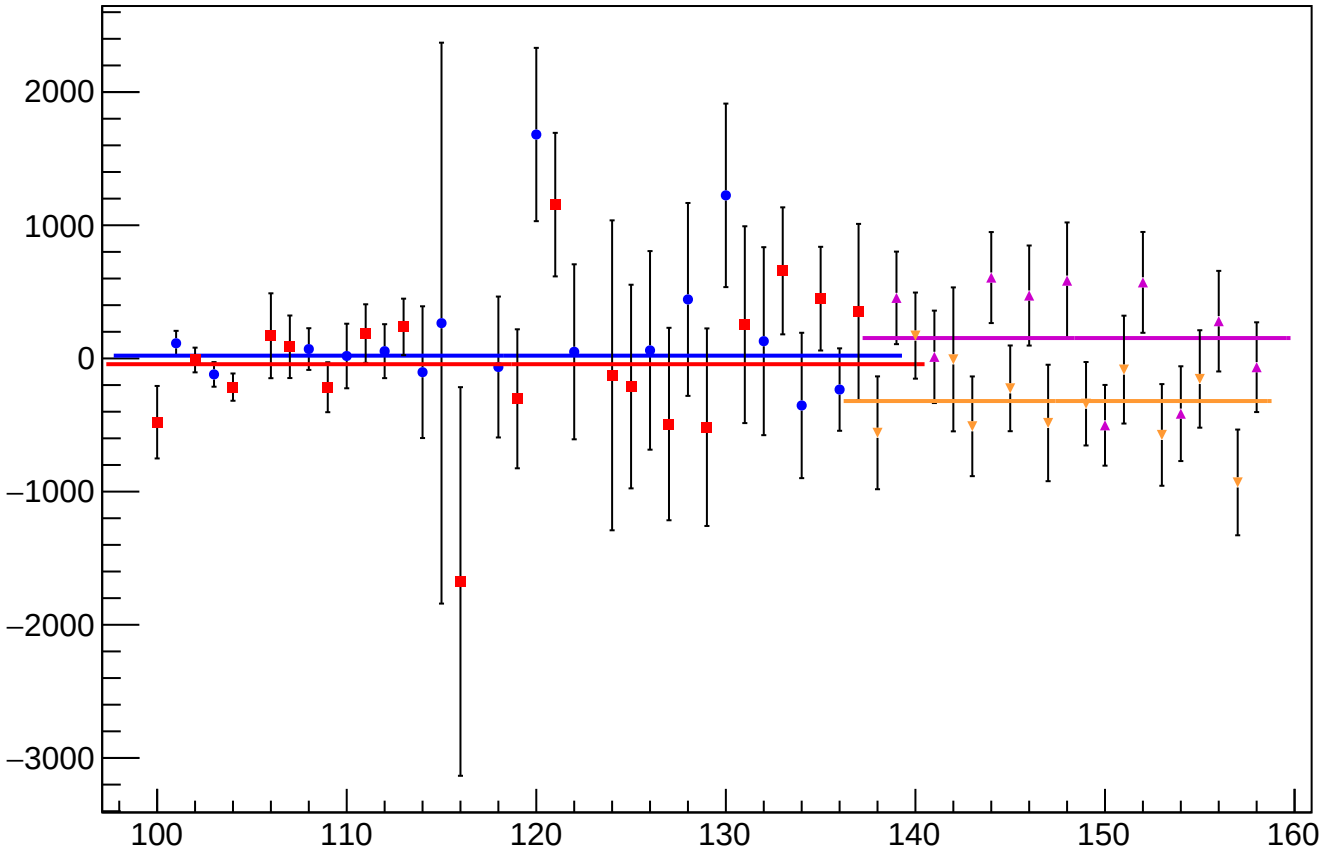
Left: 64.531+/-0.011 χ^2/NDF: 209641.2/20

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 62.131+/-0.011 χ^2/NDF:422839.3/25

Out: 60.933+/-0.011 χ^2/NDF:569539.4/29

All: 61.519+/-0.008 χ^2/NDF: 998300.0/55



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -319.982+/-113.559 χ^2/NDF:6.8/10

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 153.021+/-112.474 χ^2/NDF:13.4/9

Left: -81.210+/-79.912 χ^2/NDF: 28.9/20

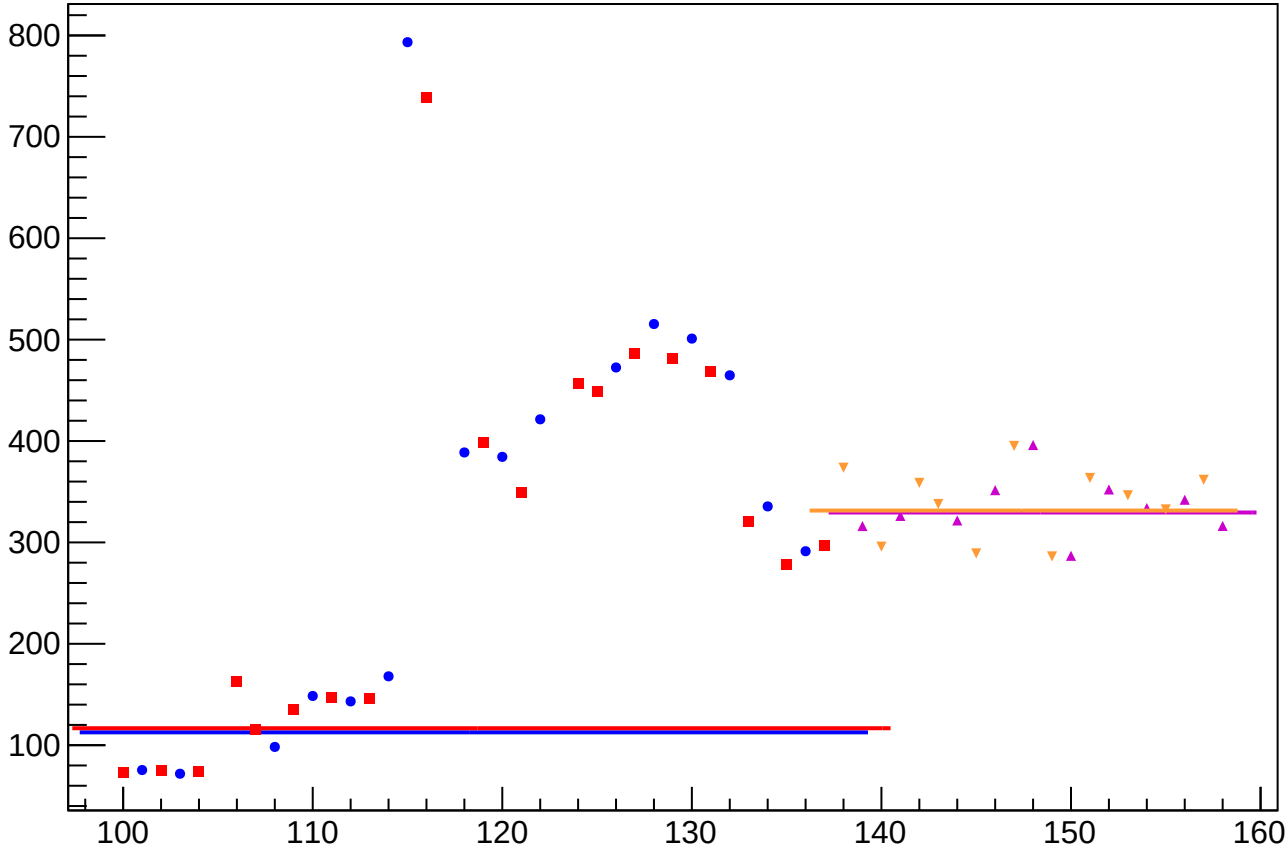
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 45.292+/-48.375 χ^2/NDF:29.1/25

Out: -93.080+/-48.183 χ^2/NDF:33.2/29

All: -24.170+/-34.138 χ^2/NDF: 66.4/55

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 331.425+/-0.080 χ^2/NDF:196001.3/10

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 329.497+/-0.080 χ^2/NDF:109966.5/9

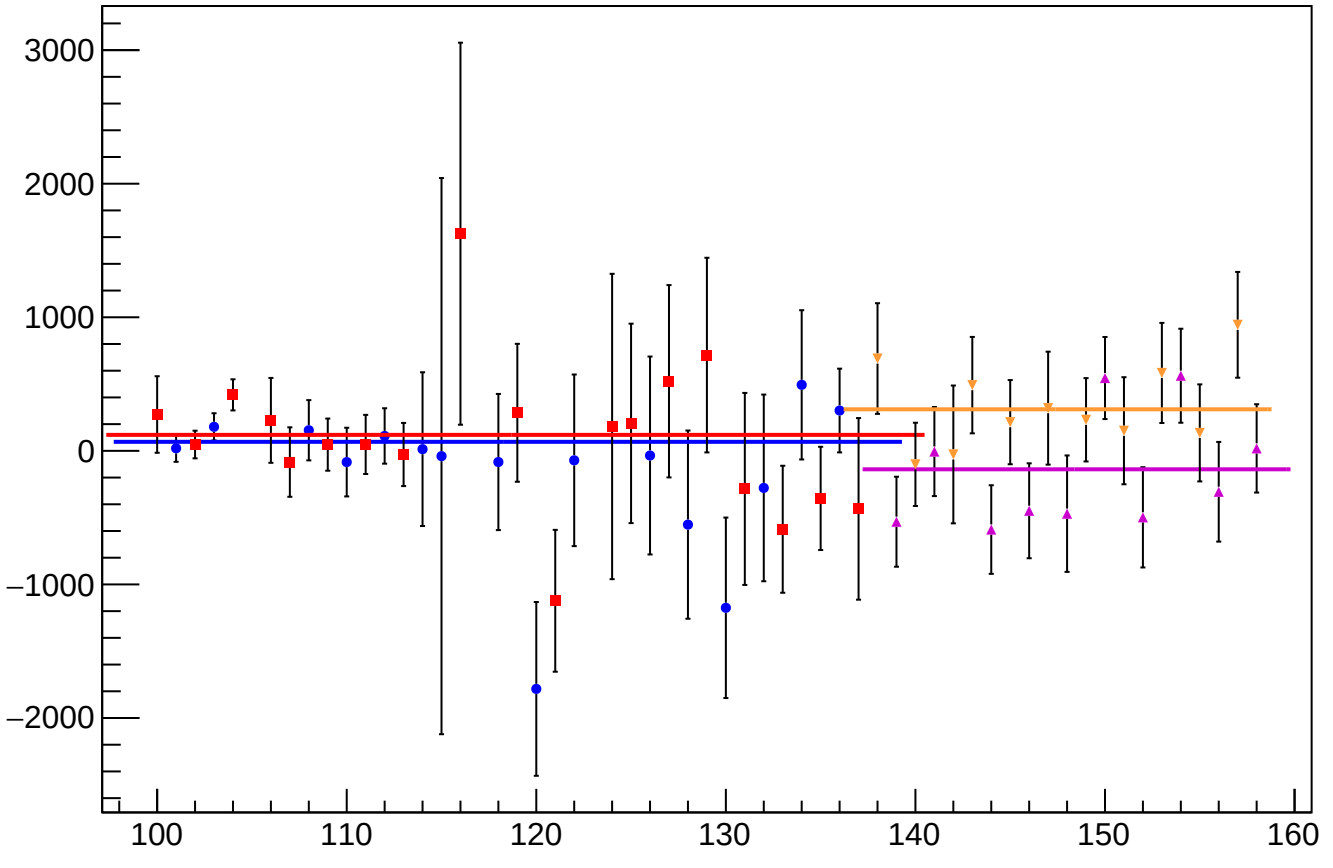
Left: 330.452+/-0.057 χ^2/NDF: 306258.9/20

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 152.779+/-0.034 χ^2/NDF:11767577.0/25

Out: 155.384+/-0.034 χ^2/NDF:11199063.7/29

All: 154.087+/-0.024 χ^2/NDF: 22969550.7/55



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 311.015+/-111.250 χ^2/NDF:6.9/10

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -138.164+/-110.314 χ^2/NDF:15.0/9

Left: 84.528+/-78.332 χ^2/NDF: 30.1/20

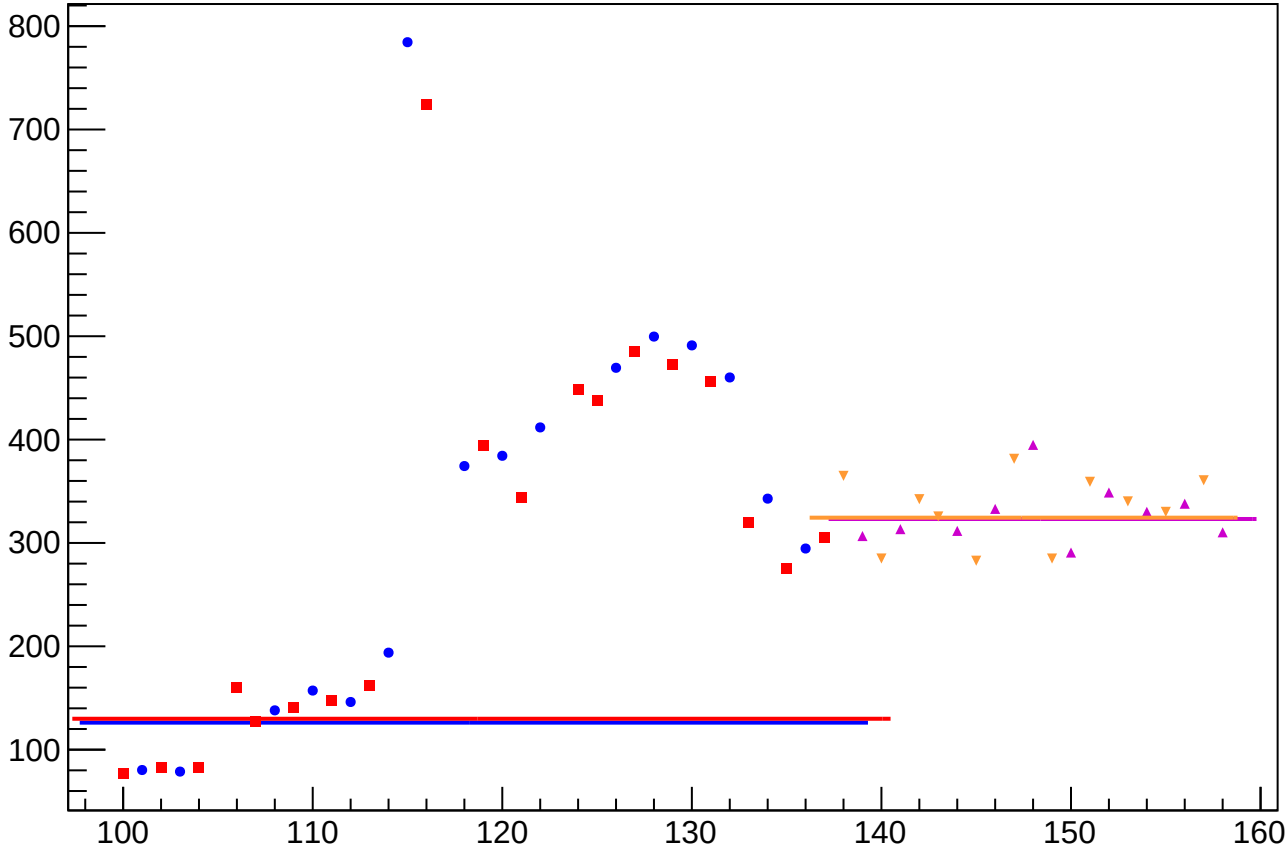
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 21.645+/-52.142 χ^2/NDF:33.4/25

Out: 160.471+/-51.389 χ^2/NDF:30.4/29

All: 92.067+/-36.601 χ^2/NDF: 67.4/55

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 324.457+/-0.079 χ^2/NDF:192656.6/10

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 323.180+/-0.078 χ^2/NDF:103196.4/9

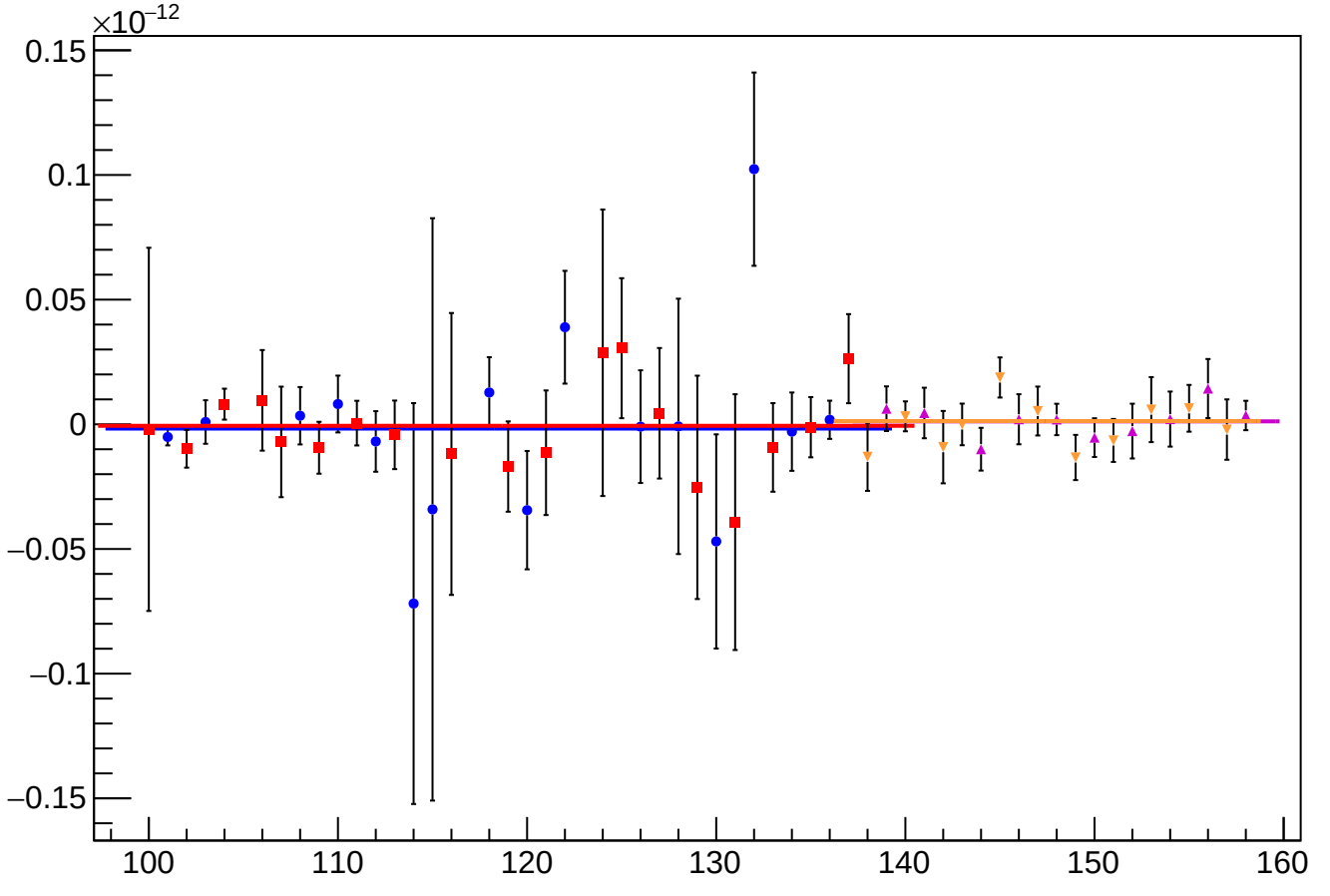
Left: 323.813+/-0.055 χ^2/NDF: 295986.0/20

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 170.173+/-0.037 χ^2/NDF:10277892.6/25

Out: 171.425+/-0.036 χ^2/NDF:9651270.9/29

All: 170.808+/-0.026 χ^2/NDF: 19929748.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/9

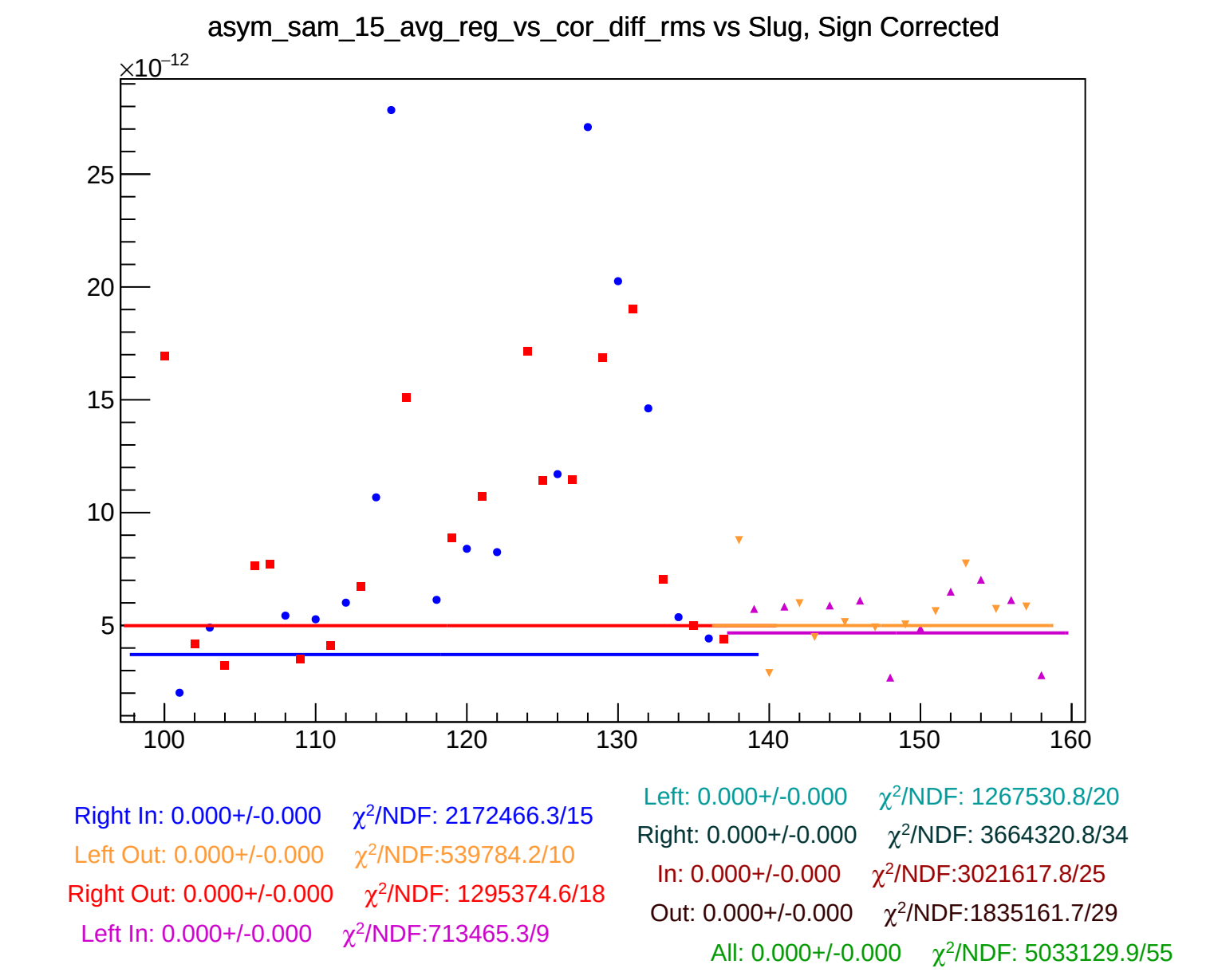
Left: 0.000+/-0.000 χ^2/NDF: 14.9/20

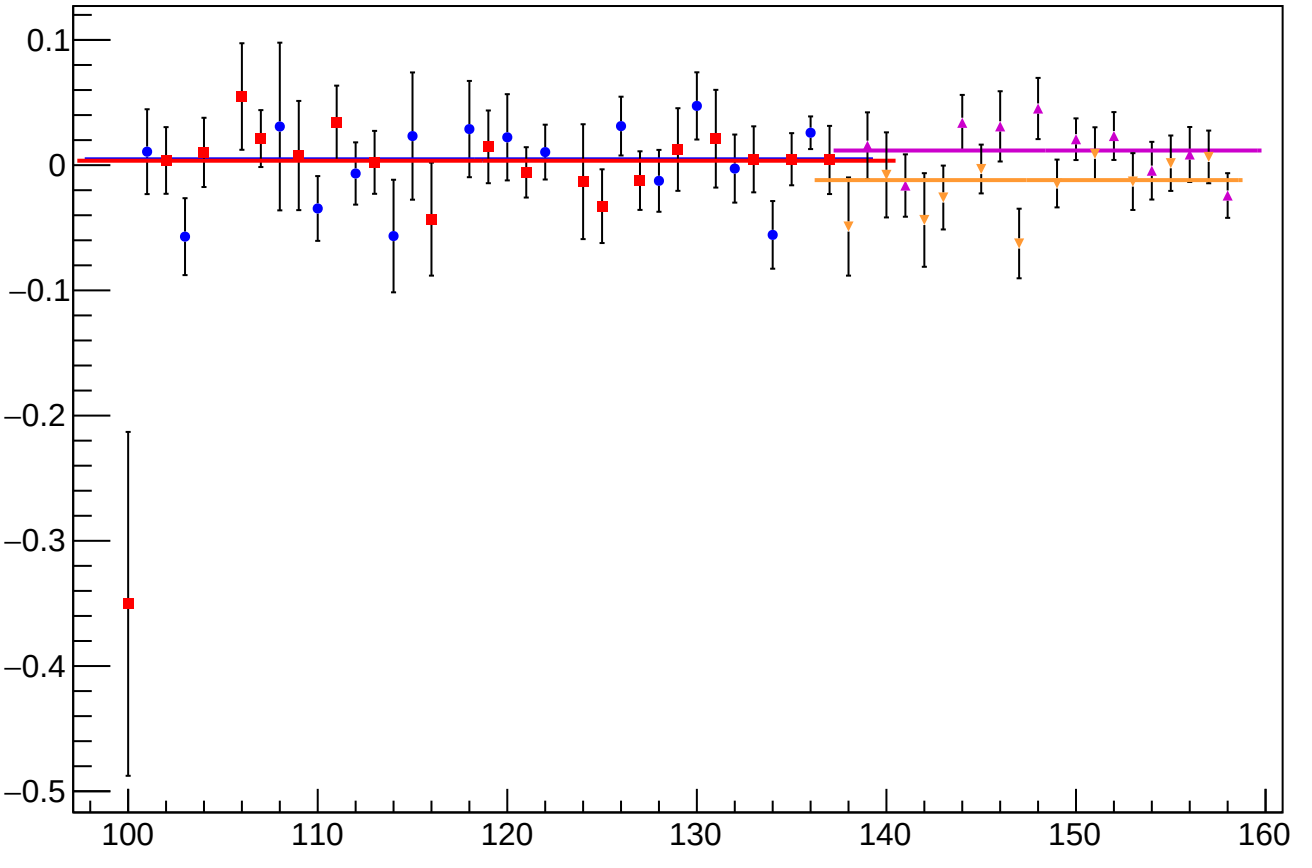
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:22.8/25

Out: 0.000+/-0.000 χ^2/NDF:21.3/29

All: 0.000+/-0.000 χ^2/NDF: 44.1/55


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:539784.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:713465.3/9
Left: 0.000+/-0.000 χ²/NDF: 1267530.8/20
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3021617.8/25
Out: 0.000+/-0.000 χ²/NDF:1835161.7/29
All: 0.000+/-0.000 χ²/NDF: 5033129.9/55



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.012+/-0.007 χ^2/NDF:9.9/9

Left: 0.001+/-0.005 χ^2/NDF: 23.1/20

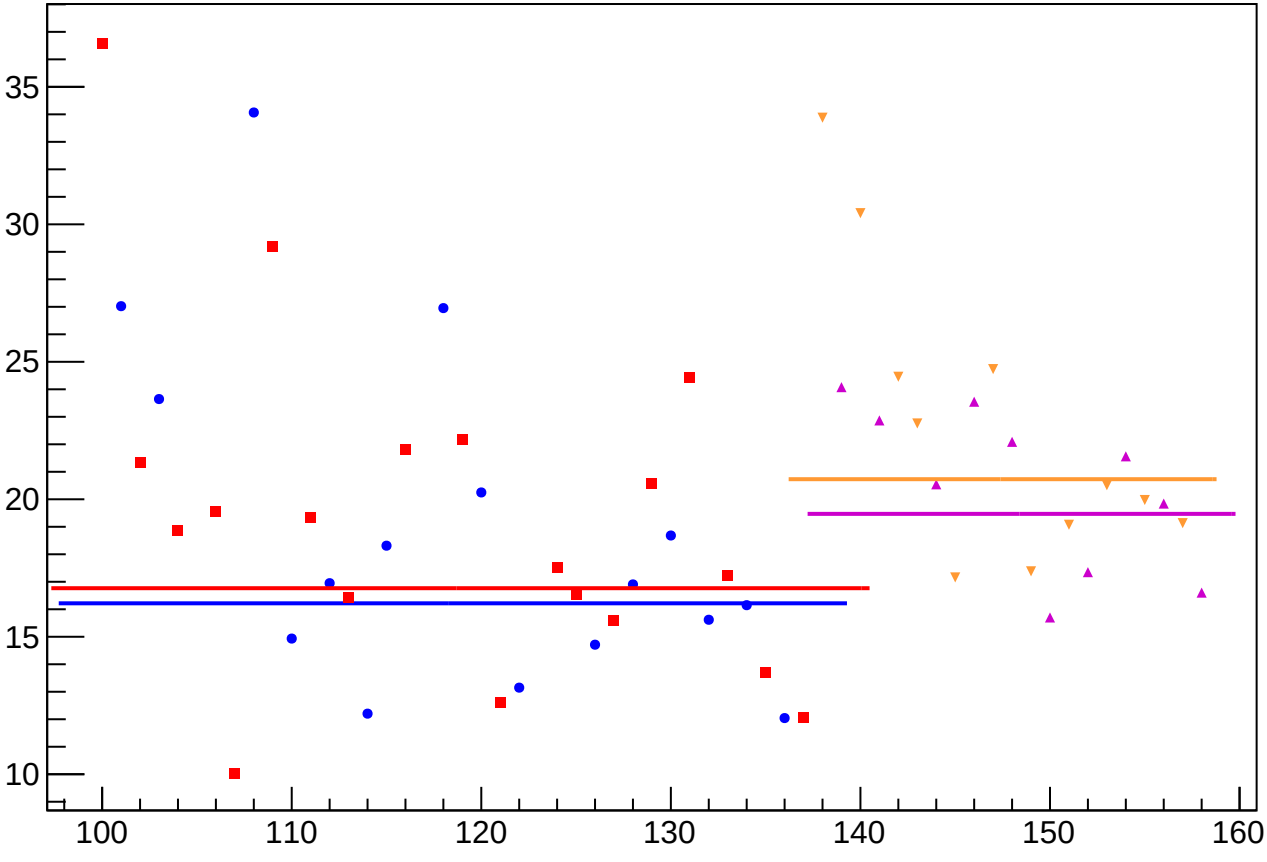
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.008+/-0.005 χ^2/NDF:31.9/25

Out: -0.003+/-0.005 χ^2/NDF:23.7/29

All: 0.002+/-0.003 χ^2/NDF: 58.4/55

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.731+/-0.005 χ^2/NDF:616372.4/10

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.470+/-0.005 χ^2/NDF:362806.8/9

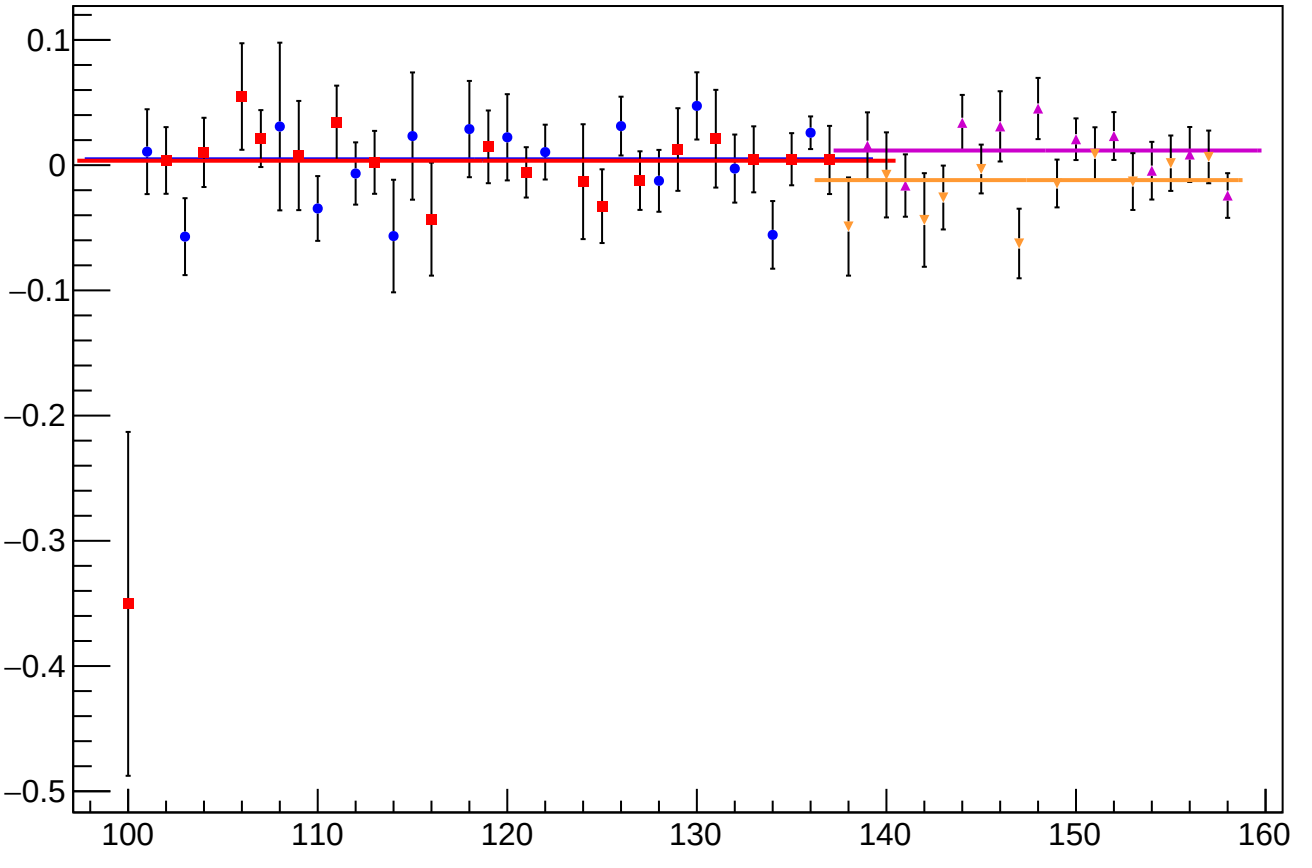
Left: 20.061+/-0.004 χ^2/NDF: 1011148.0/20

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.779+/-0.003 χ^2/NDF:1542491.9/25

Out: 18.566+/-0.003 χ^2/NDF:1808017.6/29

All: 18.159+/-0.002 χ^2/NDF: 3377205.0/55



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.012+/-0.007 χ^2/NDF:9.9/9

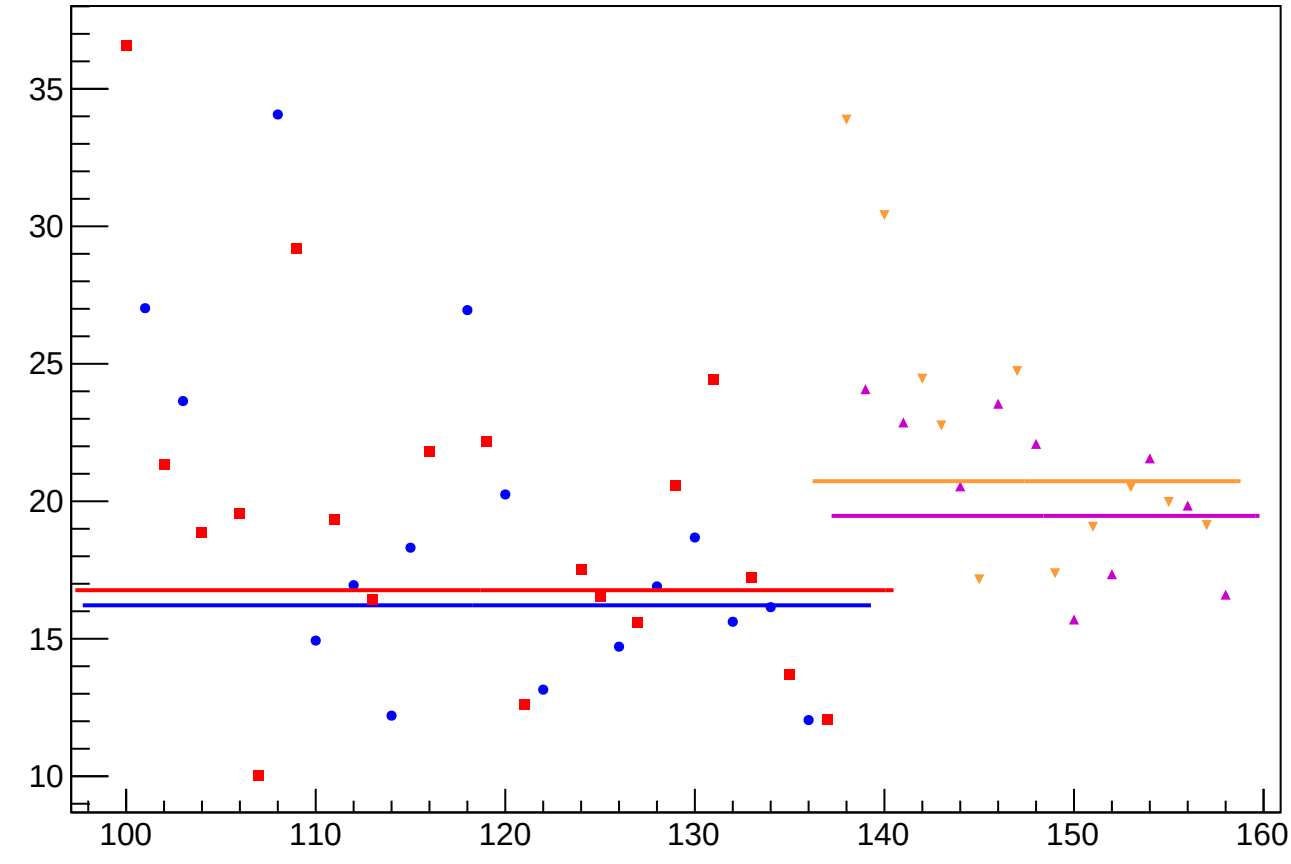
Left: 0.001+/-0.005 χ^2/NDF: 23.1/20

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.008+/-0.005 χ^2/NDF:31.9/25

Out: -0.003+/-0.005 χ^2/NDF:23.7/29

All: 0.002+/-0.003 χ^2/NDF: 58.4/55



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.731+/-0.005 χ^2/NDF:616372.4/10

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.470+/-0.005 χ^2/NDF:362806.8/9

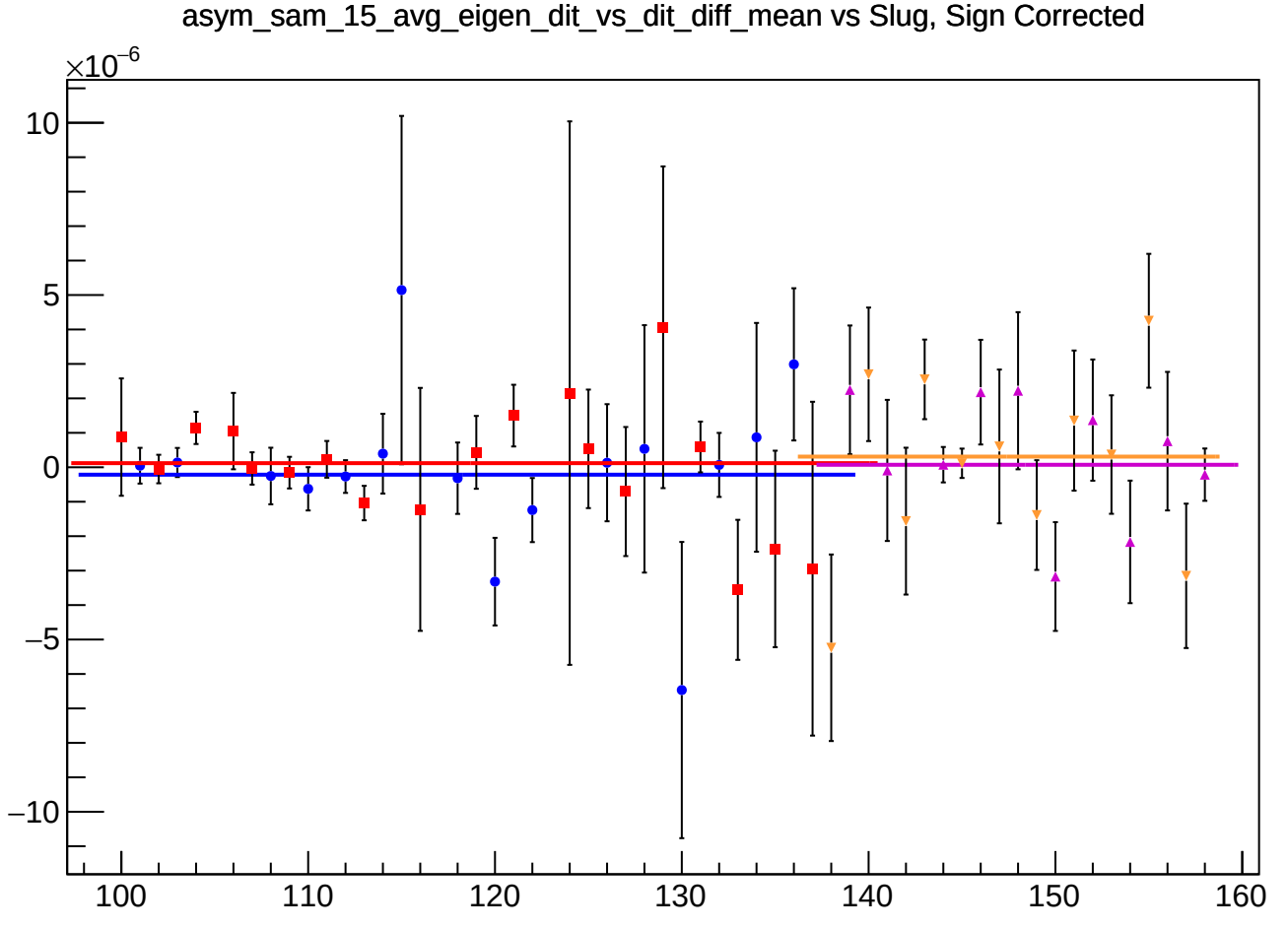
Left: 20.061+/-0.004 χ^2/NDF: 1011148.0/20

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.779+/-0.003 χ^2/NDF:1542491.9/25

Out: 18.566+/-0.003 χ^2/NDF:1808017.6/29

All: 18.159+/-0.002 χ^2/NDF: 3377205.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

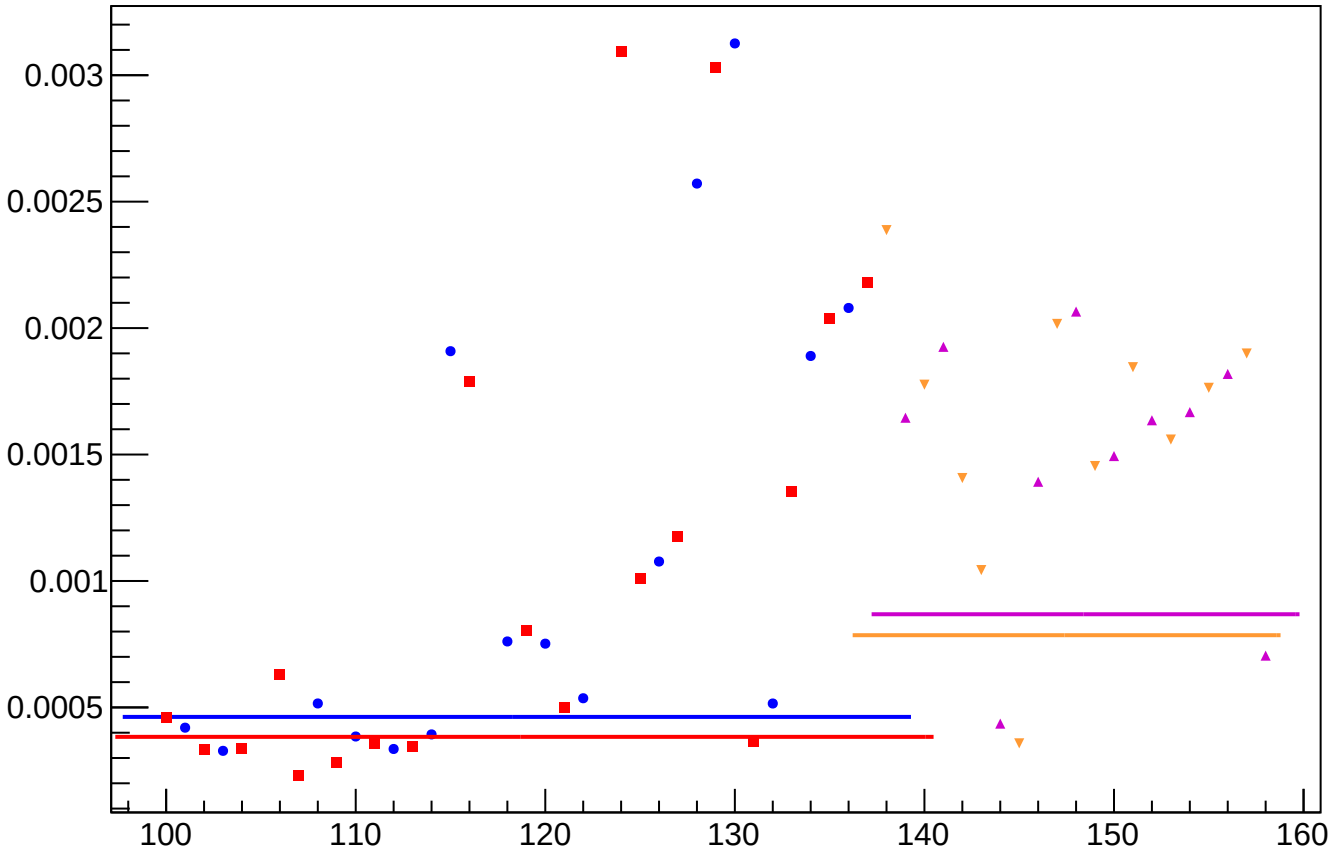
Left: 0.000+/-0.000 χ^2/NDF: 29.7/20

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:25.8/25

Out: 0.000+/-0.000 χ^2/NDF:39.2/29

All: 0.000+/-0.000 χ^2/NDF: 66.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6487062.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4719108.0/9

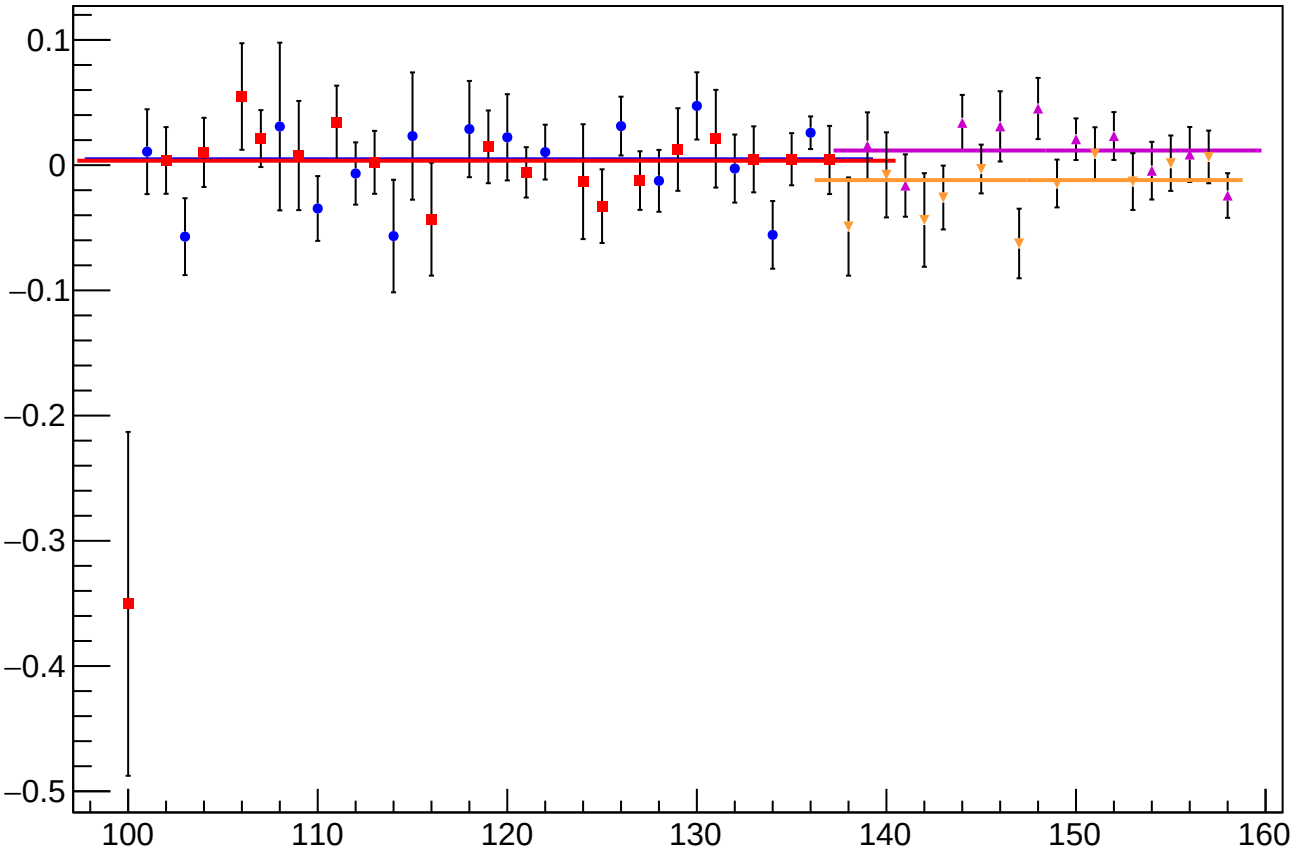
Left: 0.001+/-0.000 χ^2/NDF: 11262697.2/20

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:10686313.6/25

Out: 0.000+/-0.000 χ^2/NDF:12745348.8/29

All: 0.001+/-0.000 χ^2/NDF: 23796117.8/55



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.012+/-0.007 χ^2/NDF:9.9/9

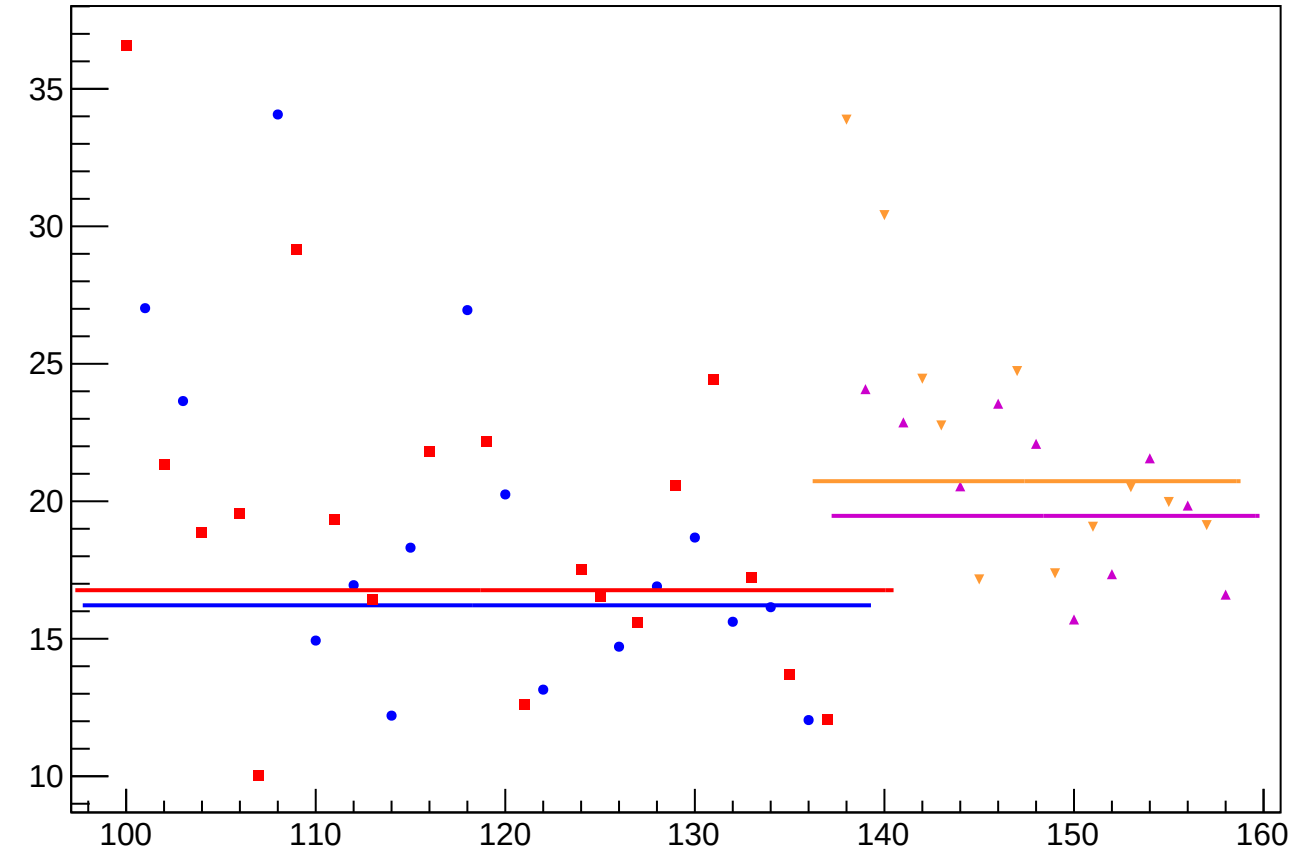
Left: 0.001+/-0.005 χ^2/NDF: 23.1/20

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.008+/-0.005 χ^2/NDF:31.9/25

Out: -0.003+/-0.005 χ^2/NDF:23.7/29

All: 0.002+/-0.003 χ^2/NDF: 58.4/55



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.731+/-0.005 χ^2/NDF:616418.8/10

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.470+/-0.005 χ^2/NDF:362910.1/9

Left: 20.061+/-0.004 χ^2/NDF: 1011303.9/20

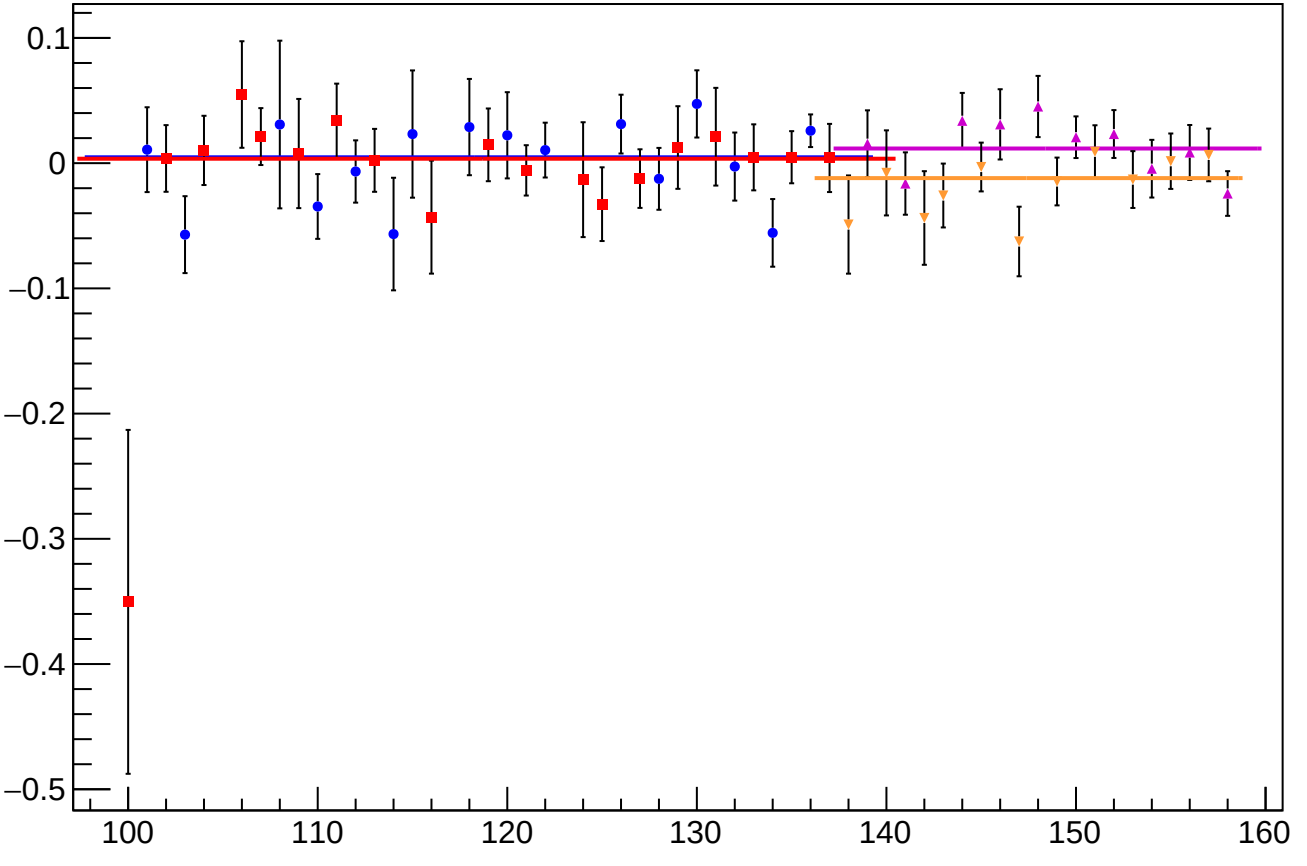
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.779+/-0.003 χ^2/NDF:1542595.2/25

Out: 18.566+/-0.003 χ^2/NDF:1808119.2/29

All: 18.159+/-0.002 χ^2/NDF: 3377411.5/55

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: -0.012+/-0.007 χ^2/NDF:7.6/10

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.012+/-0.007 χ^2/NDF:9.9/9

Left: 0.001+/-0.005 χ^2/NDF: 23.1/20

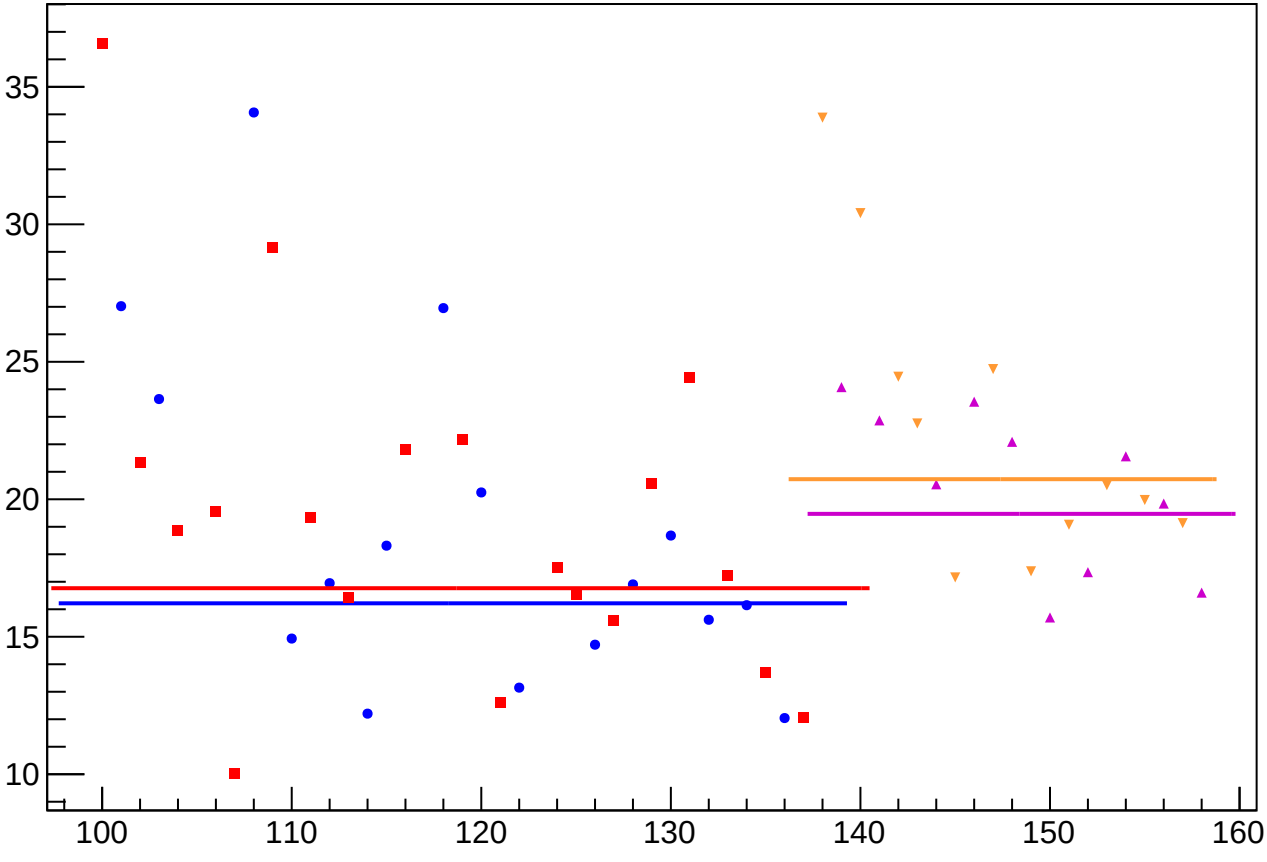
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.008+/-0.005 χ^2/NDF:31.9/25

Out: -0.003+/-0.005 χ^2/NDF:23.7/29

All: 0.002+/-0.003 χ^2/NDF: 58.4/55

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: 20.731+/-0.005 χ^2/NDF:616418.8/10

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.470+/-0.005 χ^2/NDF:362910.1/9

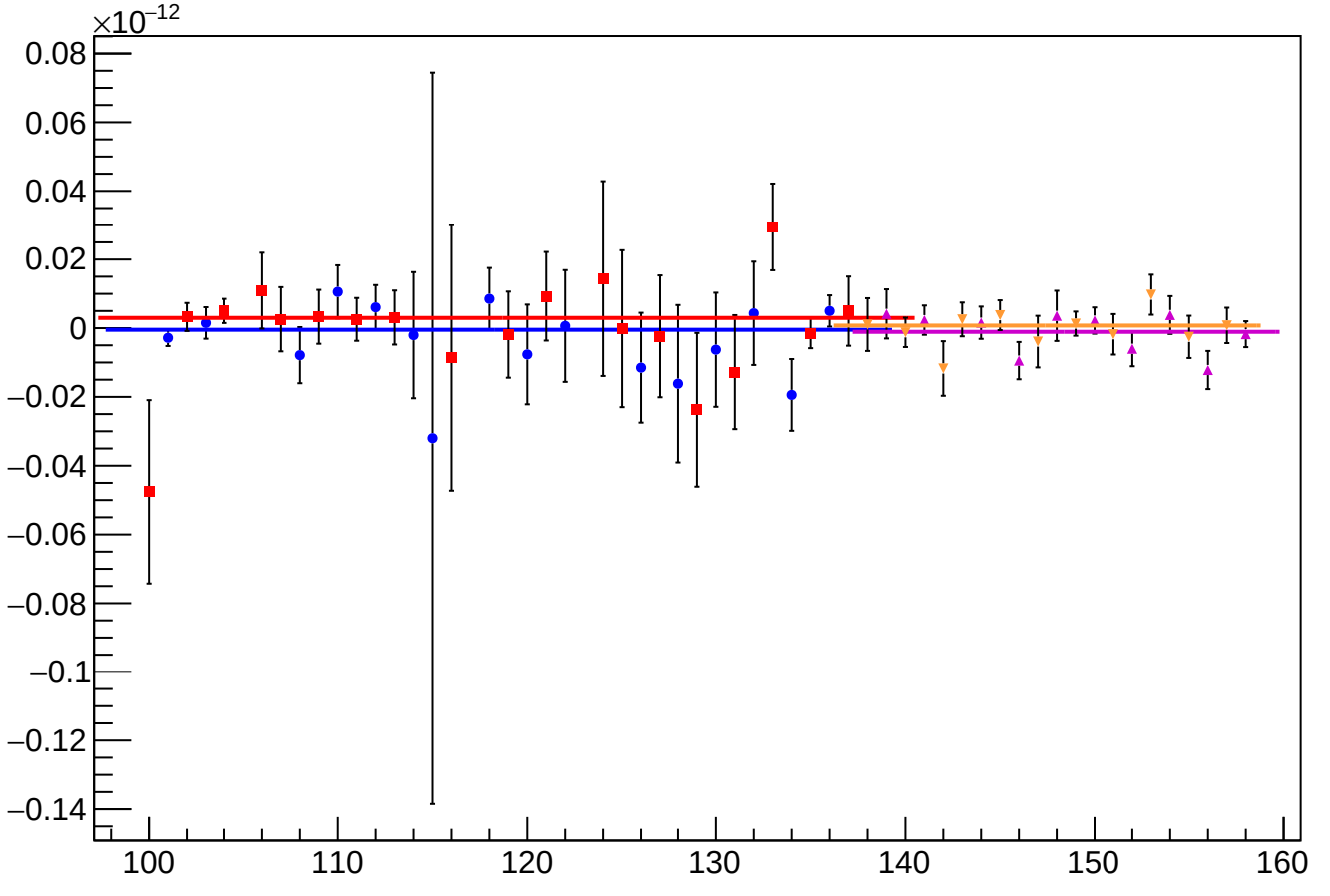
Left: 20.061+/-0.004 χ^2/NDF: 1011303.9/20

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.779+/-0.003 χ^2/NDF:1542595.2/25

Out: 18.566+/-0.003 χ^2/NDF:1808119.2/29

All: 18.159+/-0.002 χ^2/NDF: 3377411.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

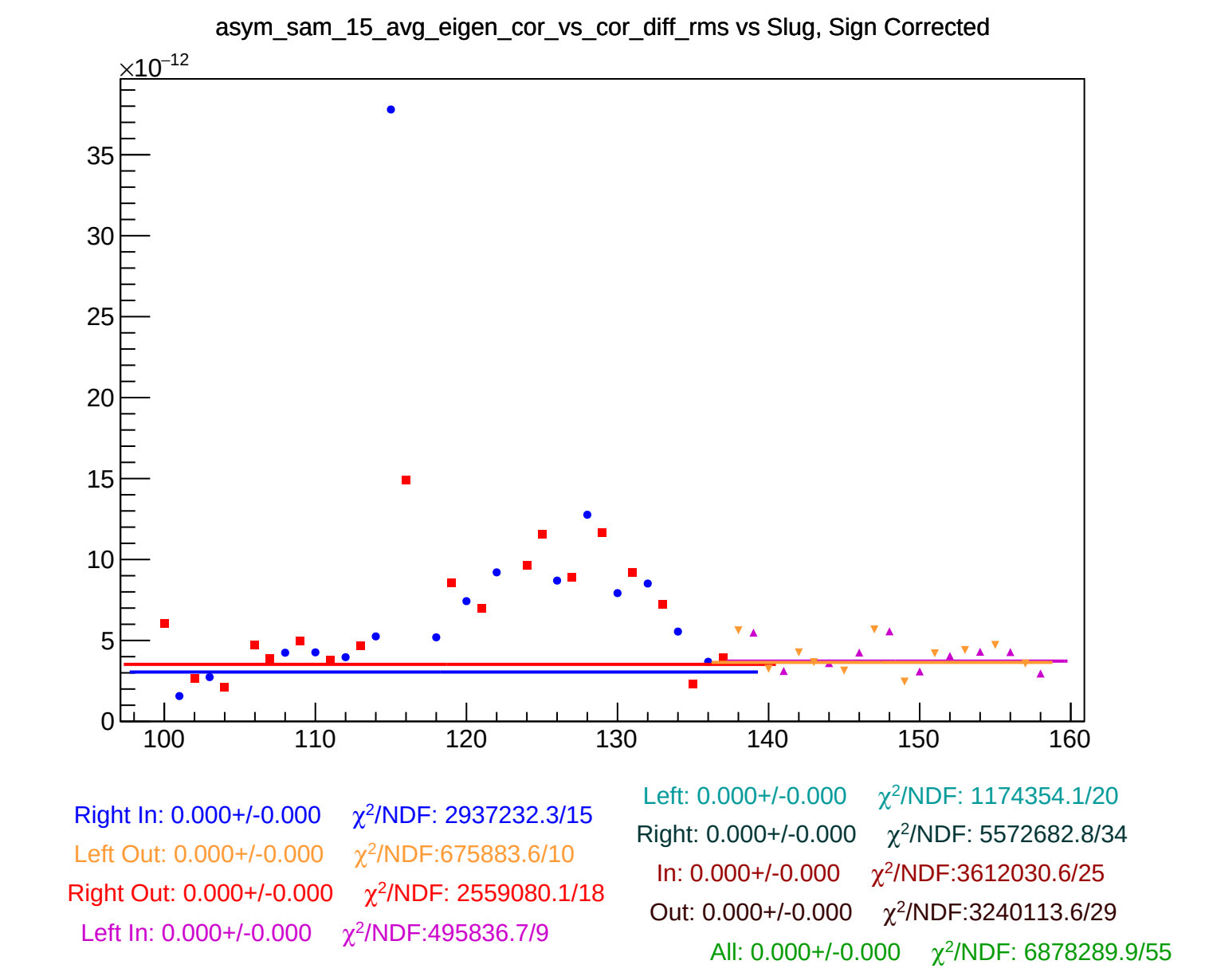
Left: -0.000+/-0.000 χ^2/NDF: 18.0/20

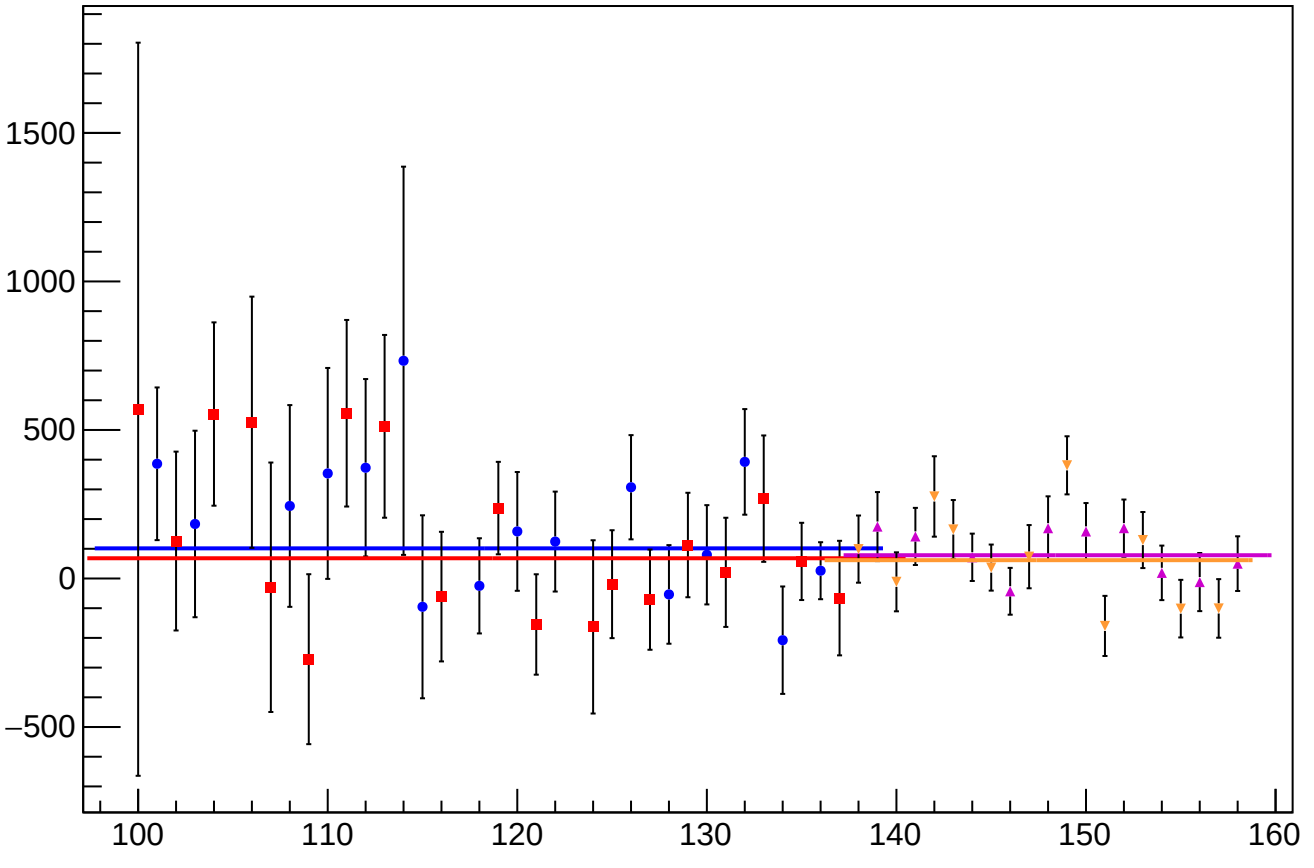
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:23.2/25

Out: 0.000+/-0.000 χ^2/NDF:20.5/29

All: 0.000+/-0.000 χ^2/NDF: 46.0/55


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:675883.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:495836.7/9
Left: 0.000+/-0.000 χ²/NDF: 1174354.1/20
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:3612030.6/25
Out: 0.000+/-0.000 χ²/NDF:3240113.6/29
All: 0.000+/-0.000 χ²/NDF: 6878289.9/55



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 61.646+/-29.957 χ^2/NDF:25.9/10

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 78.321+/-29.538 χ^2/NDF:7.2/9

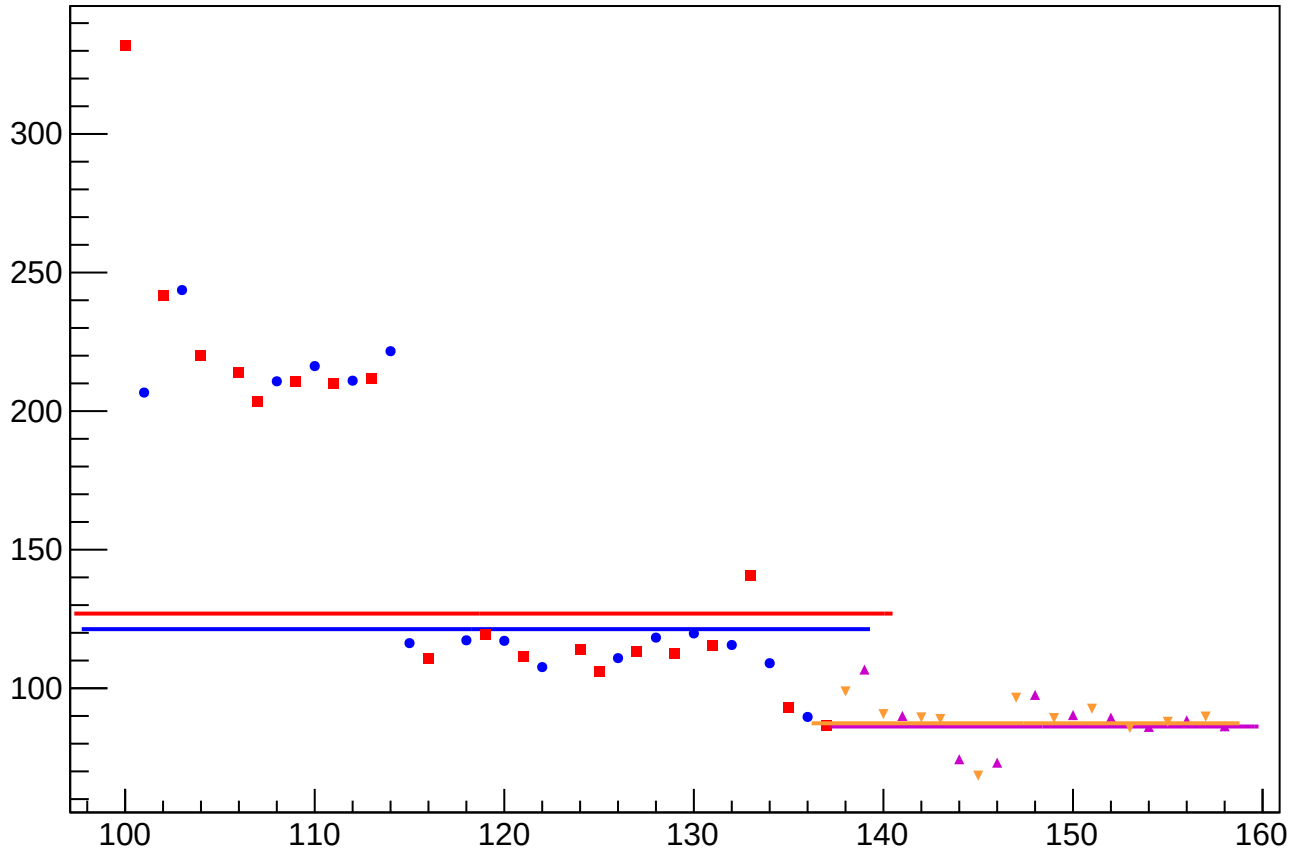
Left: 70.101+/-21.033 χ^2/NDF: 33.2/20

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 84.748+/-25.103 χ^2/NDF:20.7/25

Out: 63.387+/-25.605 χ^2/NDF:42.0/29

All: 74.279+/-17.925 χ^2/NDF: 63.1/55



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.358+/-0.021 χ^2/NDF:165651.2/10

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

Left: 86.767+/-0.015 χ^2/NDF: 361218.4/20

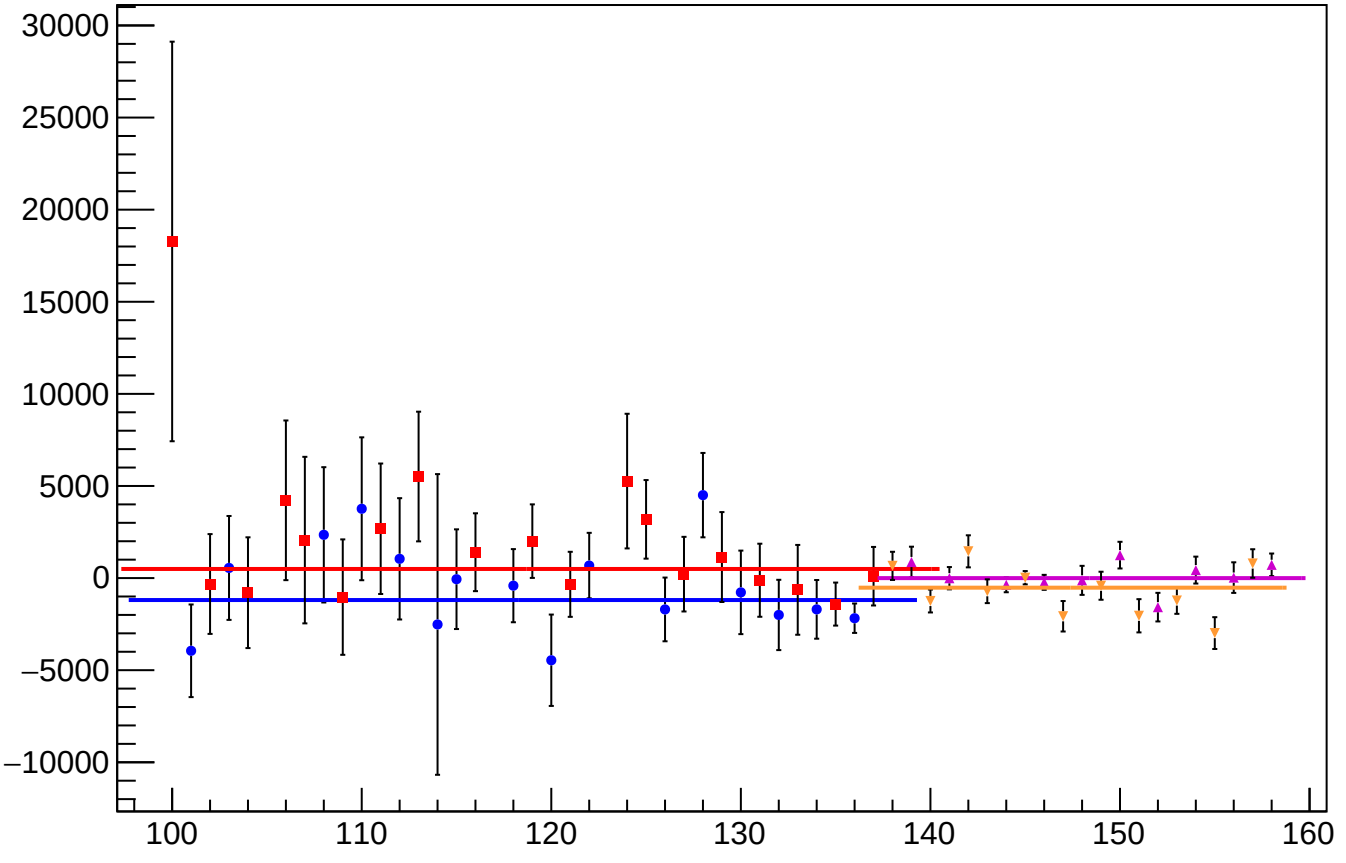
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 95.951+/-0.018 χ^2/NDF:2266582.8/25

Out: 98.024+/-0.018 χ^2/NDF:2578277.2/29

All: 96.967+/-0.013 χ^2/NDF: 4851547.8/55

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: -521.182+/-200.080 χ^2/NDF:29.5/10

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -2.310+/-190.764 χ^2/NDF:11.1/9

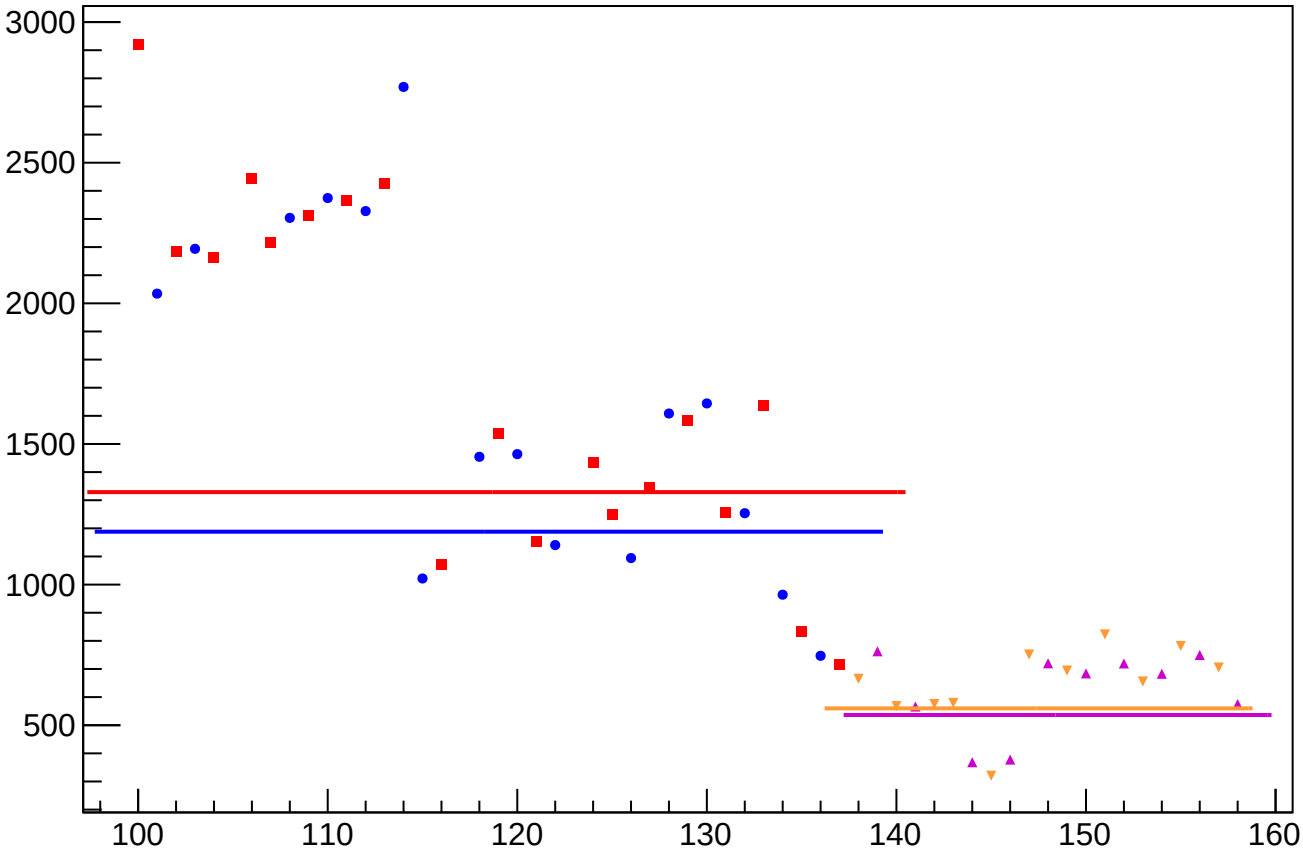
Left: -249.387+/-138.067 χ^2/NDF: 44.2/20

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -165.250+/-177.222 χ^2/NDF:32.3/25

Out: -390.955+/-186.815 χ^2/NDF:46.7/29

All: -272.159+/-128.572 χ^2/NDF: 79.8/55



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 559.918+/-0.141 χ^2/NDF:1491449.4/10

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 536.407+/-0.135 χ^2/NDF:1326004.7/9

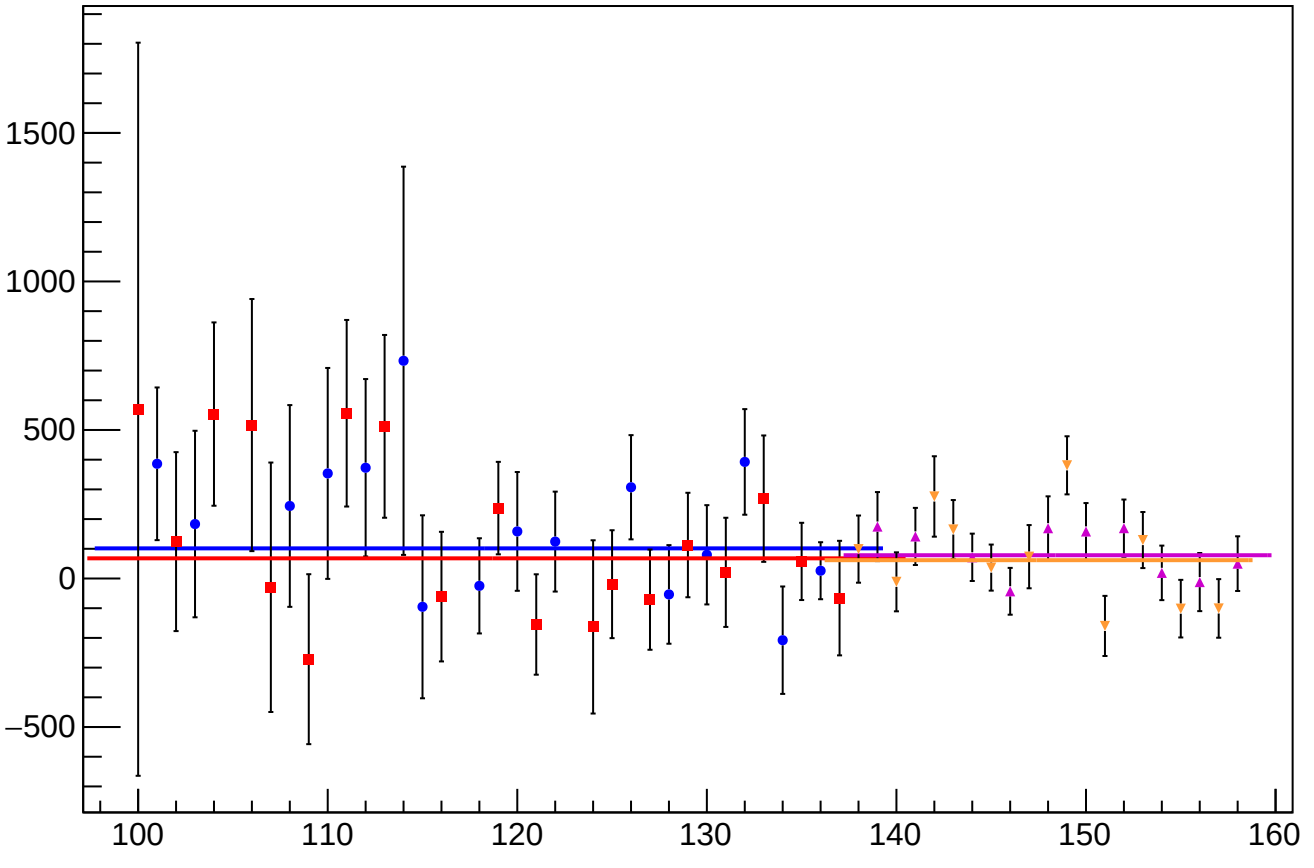
Left: 547.603+/-0.098 χ^2/NDF: 2831919.7/20

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 625.646+/-0.125 χ^2/NDF:6566676.5/25

Out: 658.491+/-0.132 χ^2/NDF:7235816.5/29

All: 641.204+/-0.091 χ^2/NDF: 13835031.5/55



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 61.652+/-29.957 χ^2/NDF:25.9/10

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 78.323+/-29.538 χ^2/NDF:7.2/9

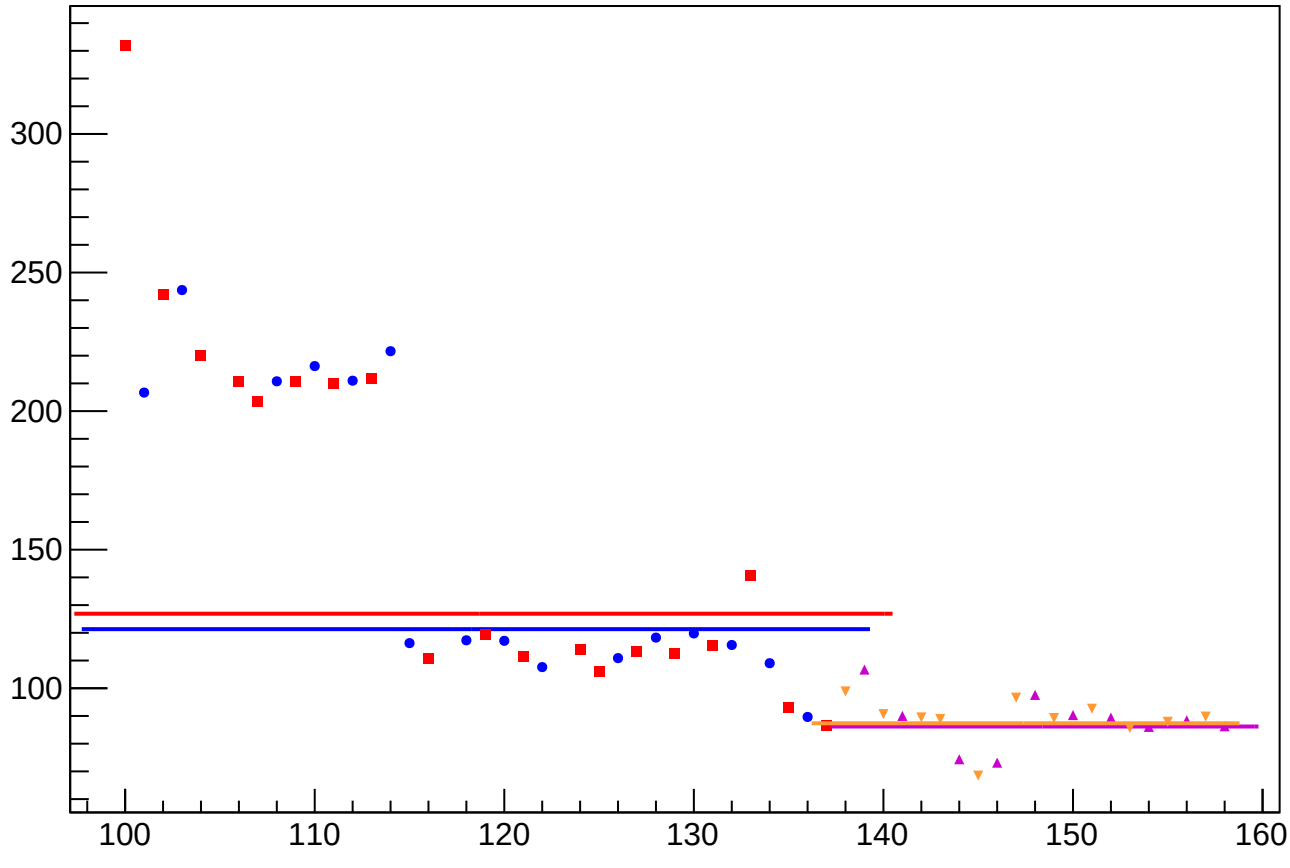
Left: 70.105+/-21.033 χ^2/NDF: 33.2/20

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 84.746+/-25.103 χ^2/NDF:20.7/25

Out: 63.330+/-25.605 χ^2/NDF:42.0/29

All: 74.250+/-17.925 χ^2/NDF: 63.0/55



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.358+/-0.021 χ^2/NDF:165651.2/10

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

Left: 86.767+/-0.015 χ^2/NDF: 361218.4/20

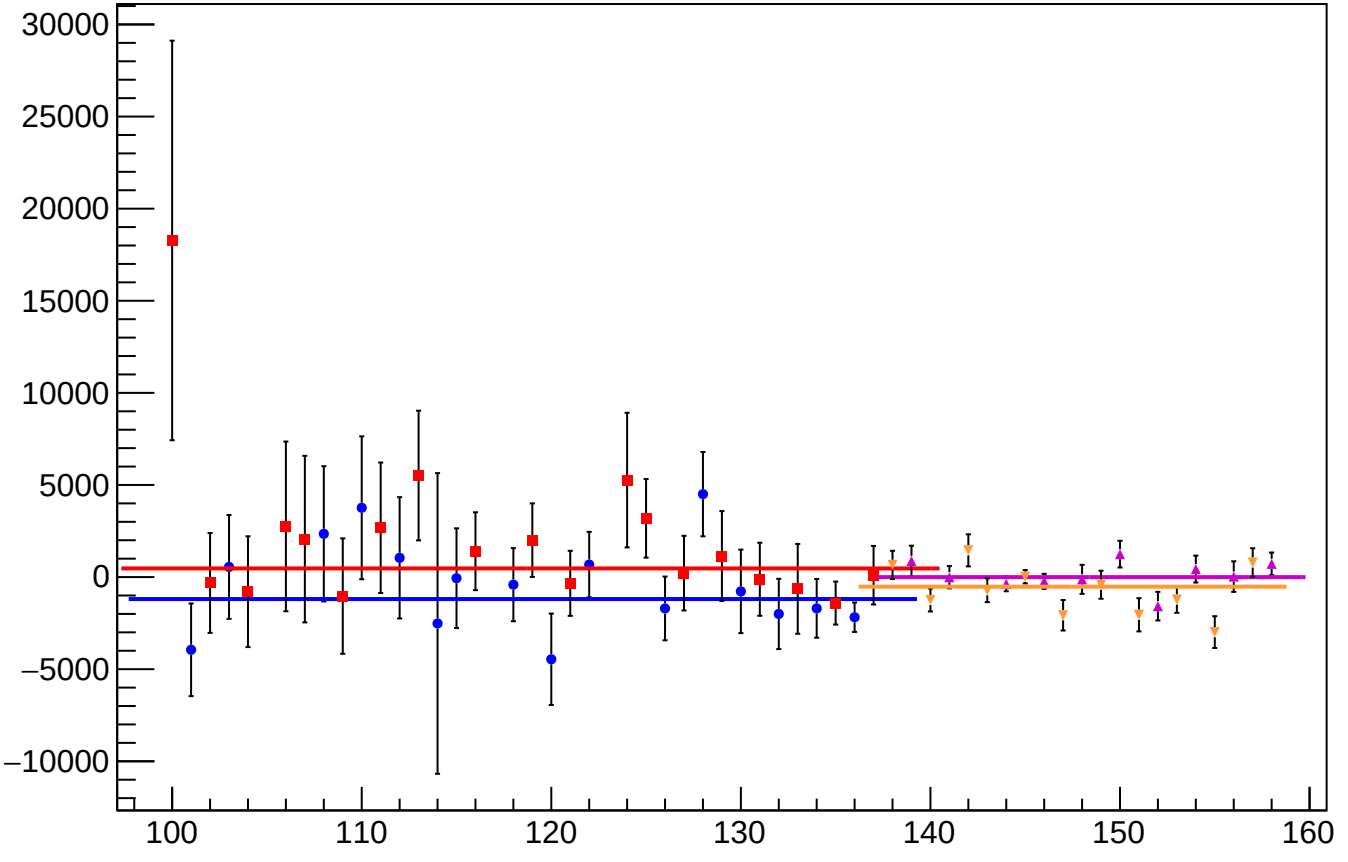
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 95.951+/-0.018 χ^2/NDF:2266585.1/25

Out: 98.010+/-0.018 χ^2/NDF:2569701.8/29

All: 96.960+/-0.013 χ^2/NDF: 4842881.6/55

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -521.174+/-200.079 χ^2/NDF:29.5/10

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -2.307+/-190.764 χ^2/NDF:11.1/9

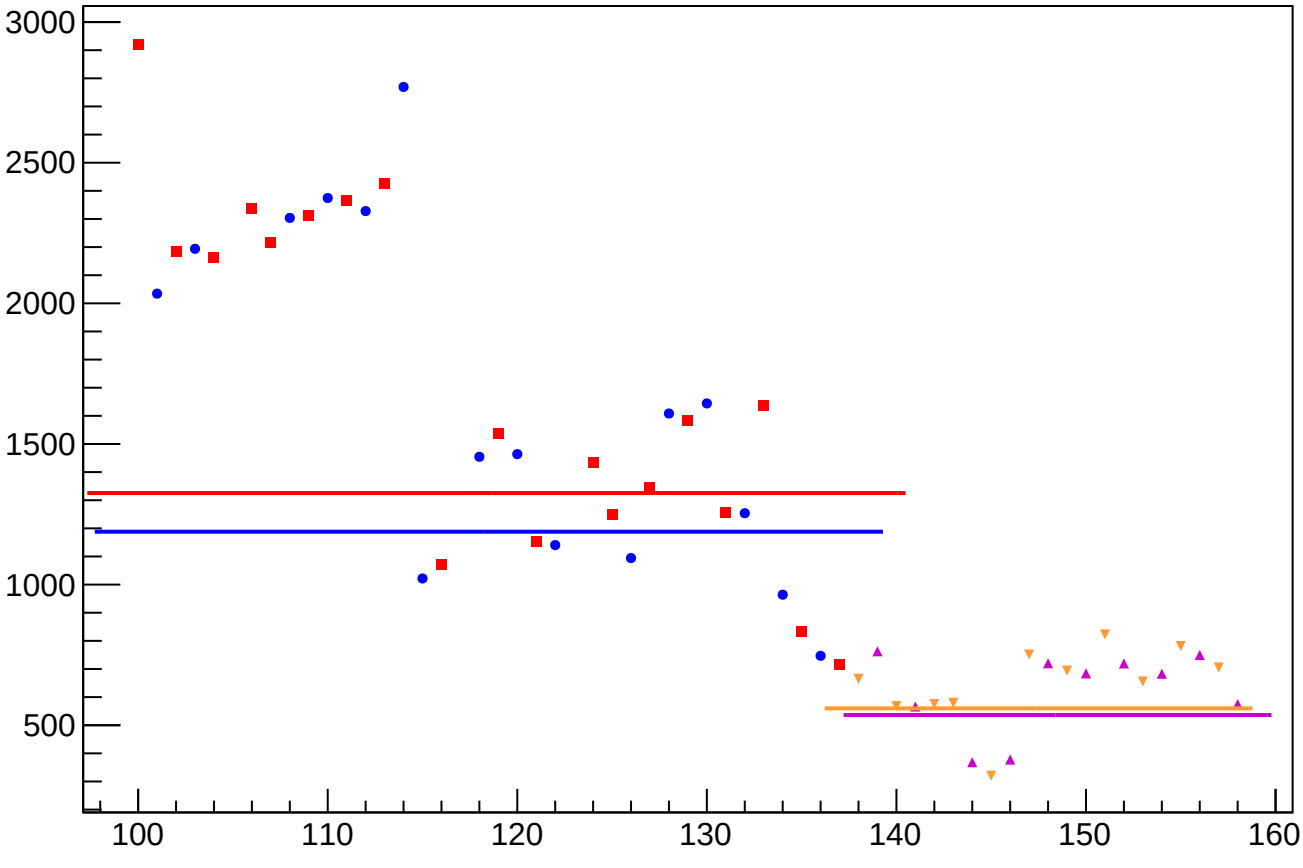
Left: -249.382+/-138.066 χ^2/NDF: 44.2/20

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -165.244+/-177.222 χ^2/NDF:32.3/25

Out: -394.330+/-186.835 χ^2/NDF:46.1/29

All: -273.742+/-128.579 χ^2/NDF: 79.2/55



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 559.917+/-0.141 χ^2/NDF:1491458.5/10

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 536.407+/-0.135 χ^2/NDF:1326005.6/9

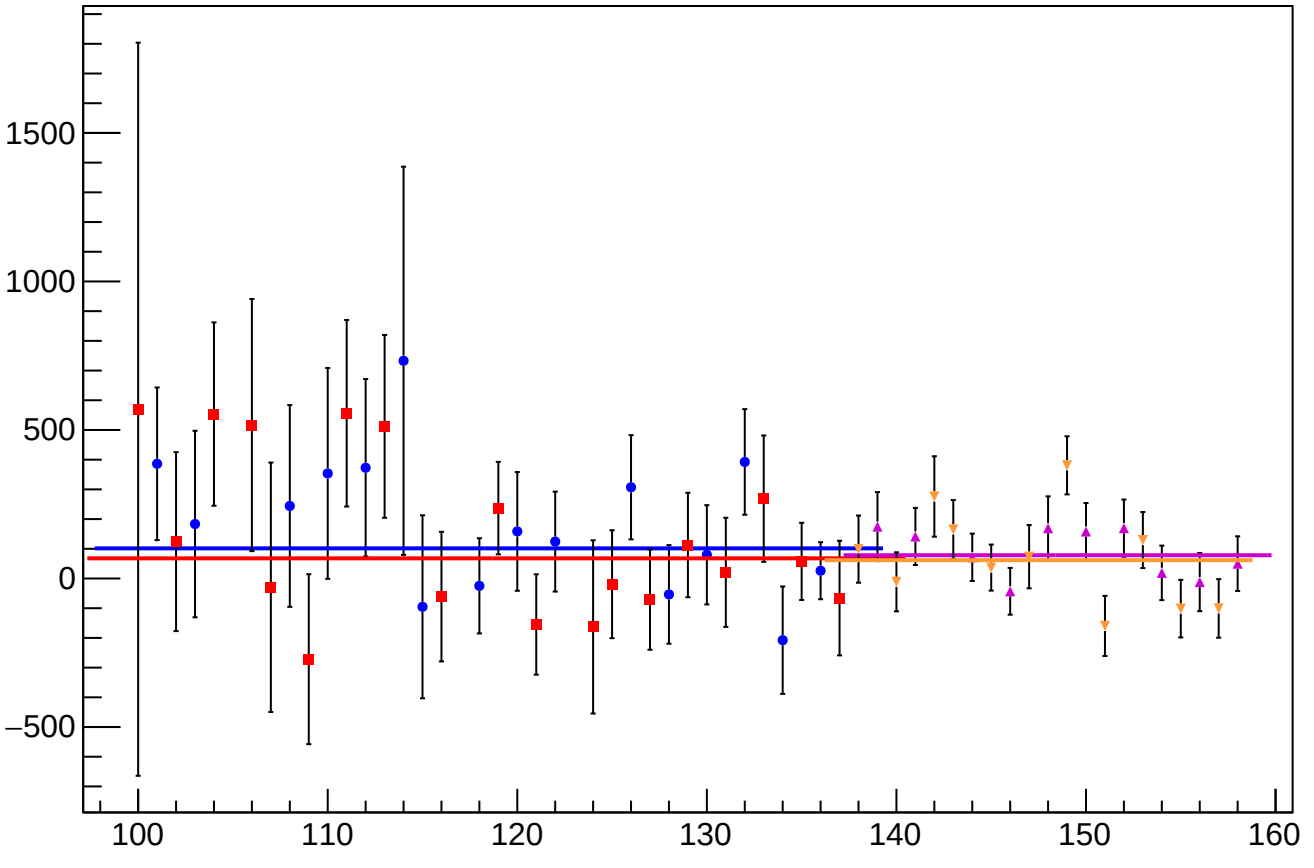
Left: 547.602+/-0.098 χ^2/NDF: 2831929.1/20

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 625.646+/-0.125 χ^2/NDF:6566699.8/25

Out: 657.926+/-0.132 χ^2/NDF:7161486.9/29

All: 640.934+/-0.091 χ^2/NDF: 13759613.8/55



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 61.652+/-29.957 χ^2/NDF:25.9/10

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 78.323+/-29.538 χ^2/NDF:7.2/9

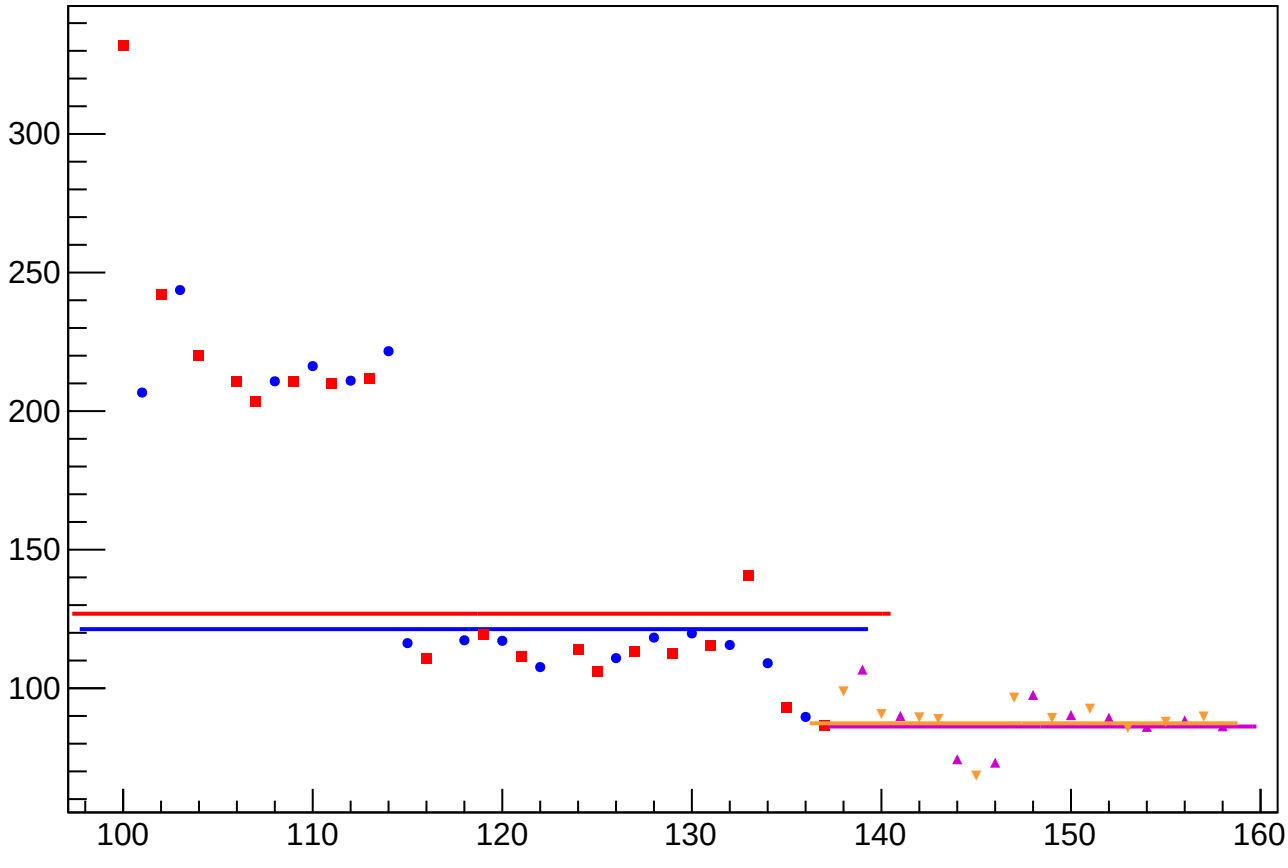
Left: 70.105+/-21.033 χ^2/NDF: 33.2/20

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 84.746+/-25.103 χ^2/NDF:20.7/25

Out: 63.330+/-25.605 χ^2/NDF:42.0/29

All: 74.250+/-17.925 χ^2/NDF: 63.0/55



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.358+/-0.021 χ^2/NDF:165651.2/10

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

Left: 86.767+/-0.015 χ^2/NDF: 361218.4/20

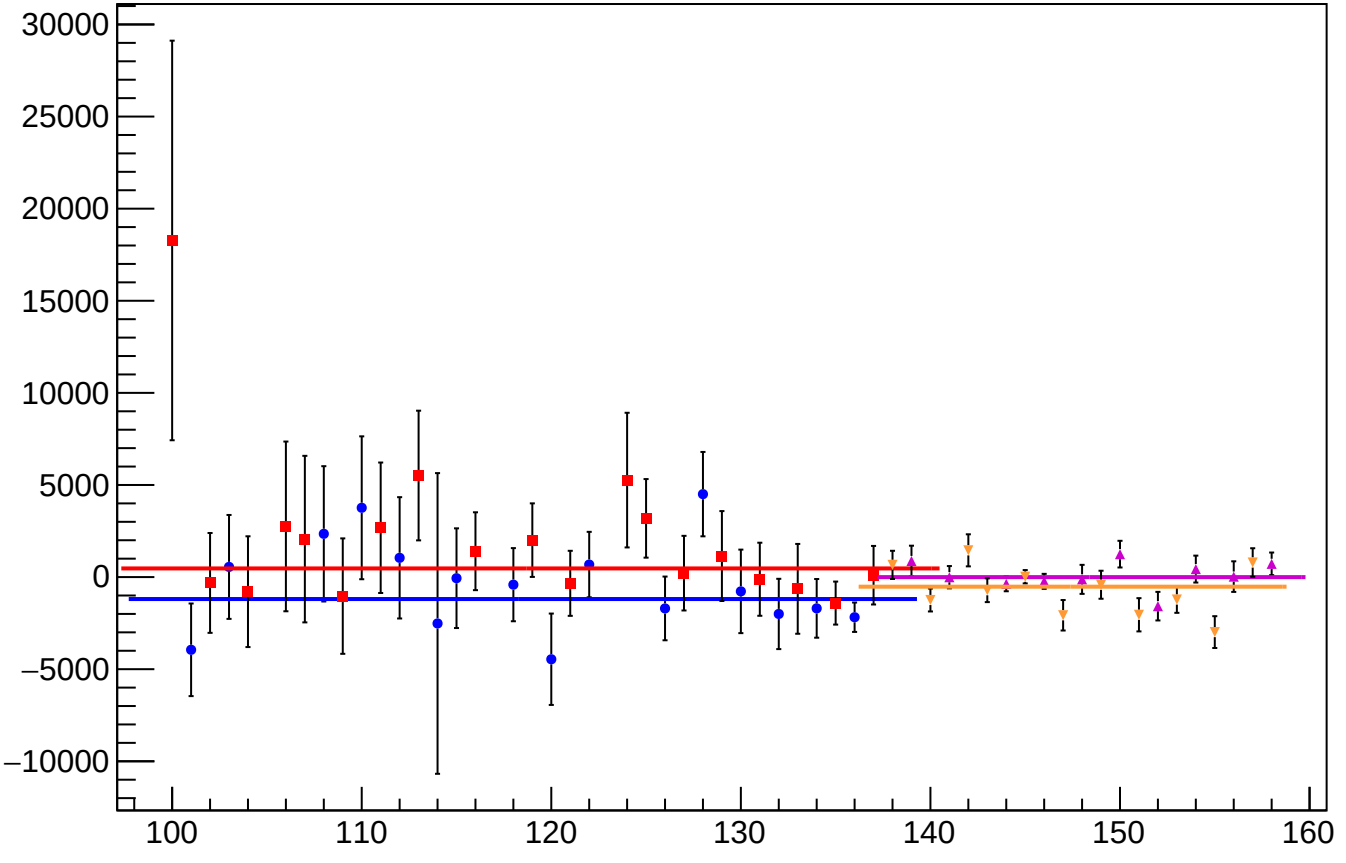
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 95.951+/-0.018 χ^2/NDF:2266585.1/25

Out: 98.010+/-0.018 χ^2/NDF:2569701.8/29

All: 96.960+/-0.013 χ^2/NDF: 4842881.6/55

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: -521.174+/-200.079 χ^2/NDF:29.5/10

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -2.307+/-190.764 χ^2/NDF:11.1/9

Left: -249.382+/-138.066 χ^2/NDF: 44.2/20

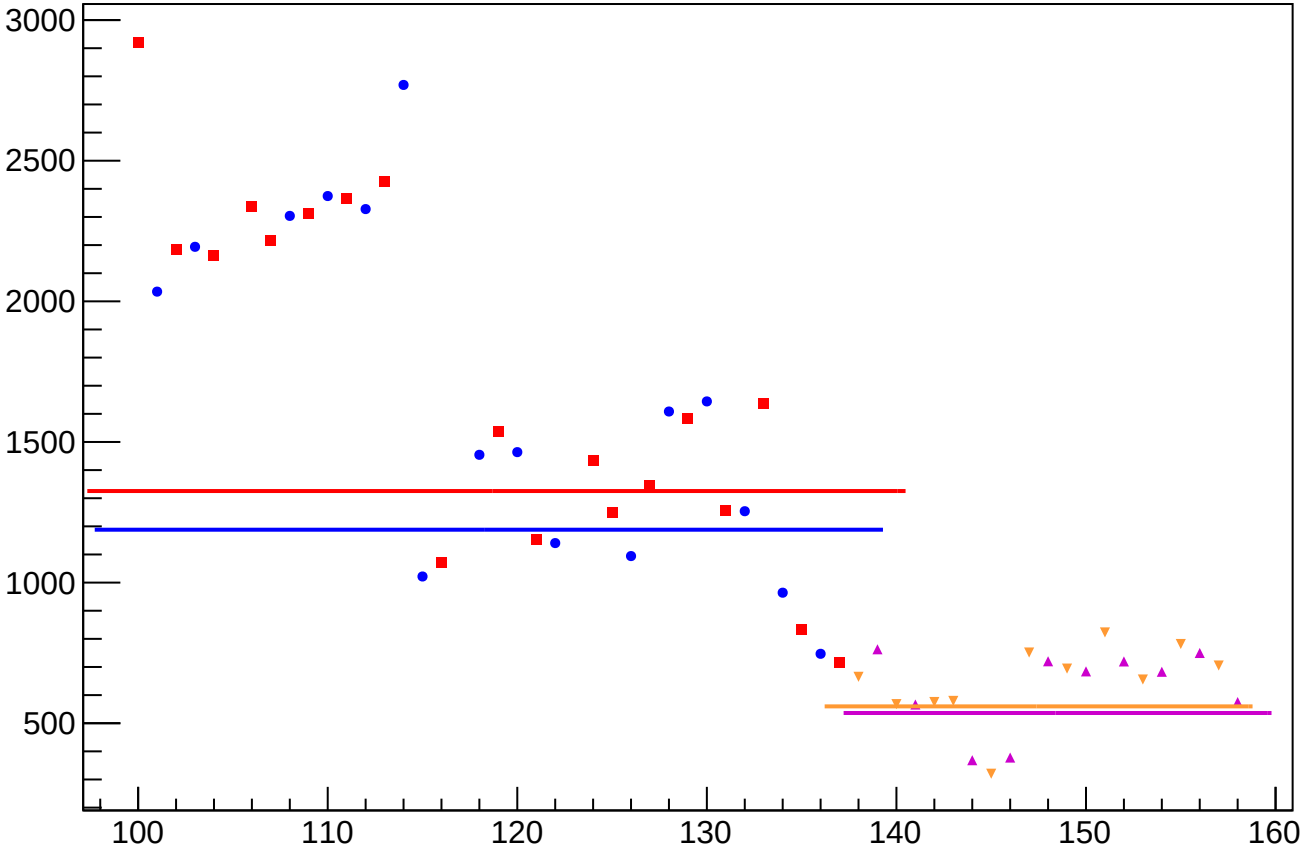
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -165.244+/-177.222 χ^2/NDF:32.3/25

Out: -394.330+/-186.835 χ^2/NDF:46.1/29

All: -273.742+/-128.579 χ^2/NDF: 79.2/55

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 559.917+/-0.141 χ^2/NDF:1491458.5/10

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 536.407+/-0.135 χ^2/NDF:1326005.6/9

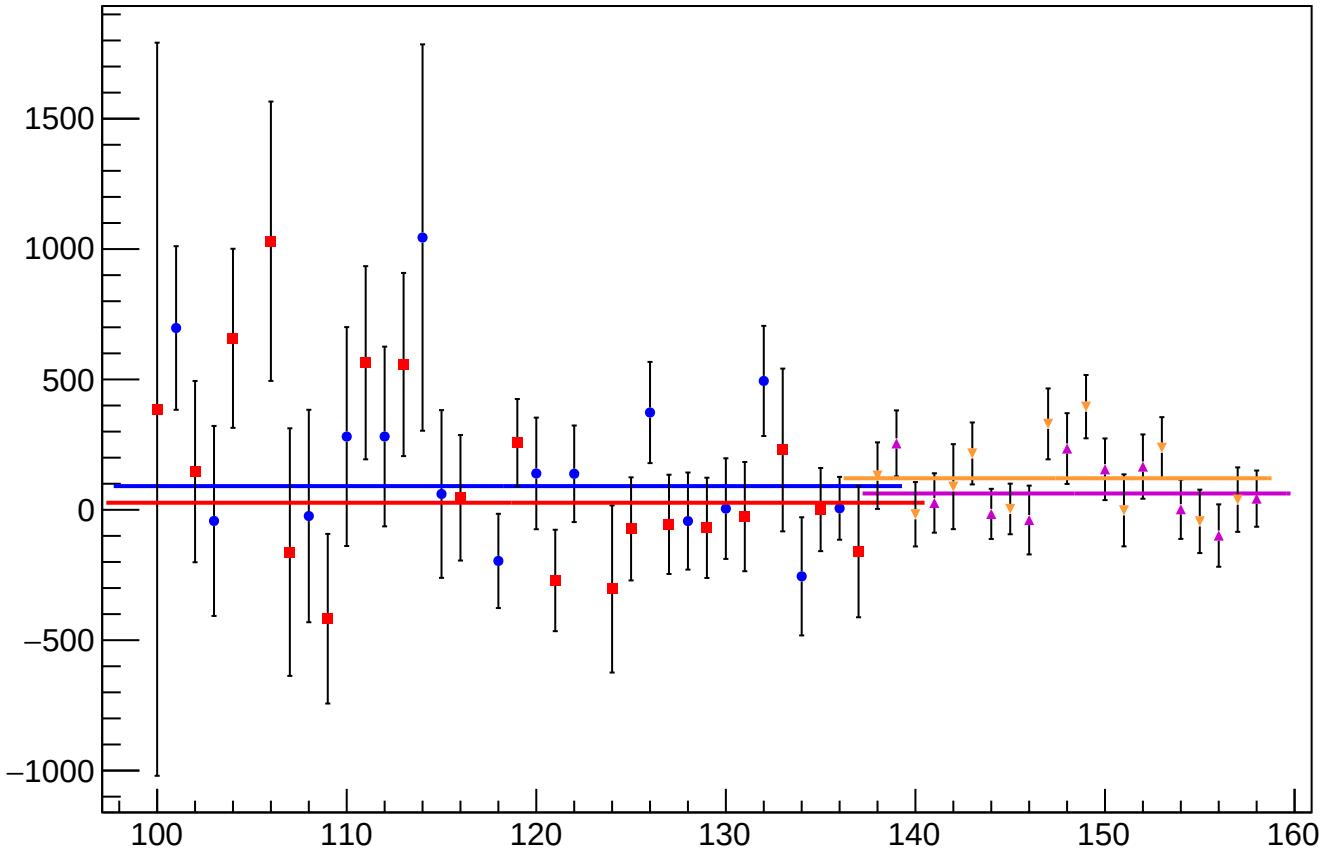
Left: 547.602+/-0.098 χ^2/NDF: 2831929.1/20

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 625.646+/-0.125 χ^2/NDF:6566699.8/25

Out: 657.926+/-0.132 χ^2/NDF:7161486.9/29

All: 640.934+/-0.091 χ^2/NDF: 13759613.8/55



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 120.977+/-37.213 χ^2/NDF:15.0/10

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 62.661+/-37.019 χ^2/NDF:8.7/9

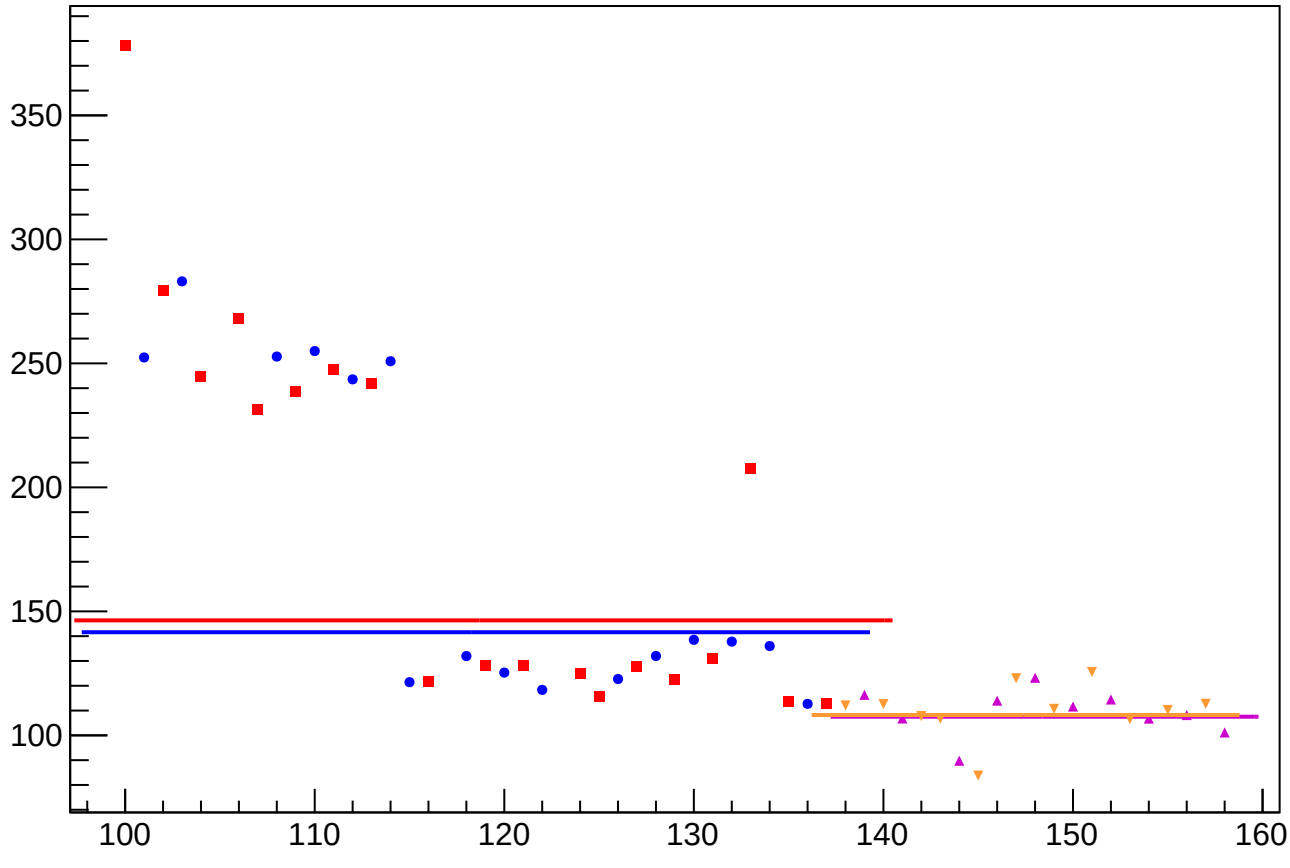
Left: 91.667+/-26.245 χ^2/NDF: 24.9/20

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 71.345+/-30.808 χ^2/NDF:27.0/25

Out: 92.954+/-31.163 χ^2/NDF:37.4/29

All: 82.025+/-21.909 χ^2/NDF: 64.6/55



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 108.208+/-0.026 χ^2/NDF:191677.4/10

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 107.525+/-0.026 χ^2/NDF:125380.0/9

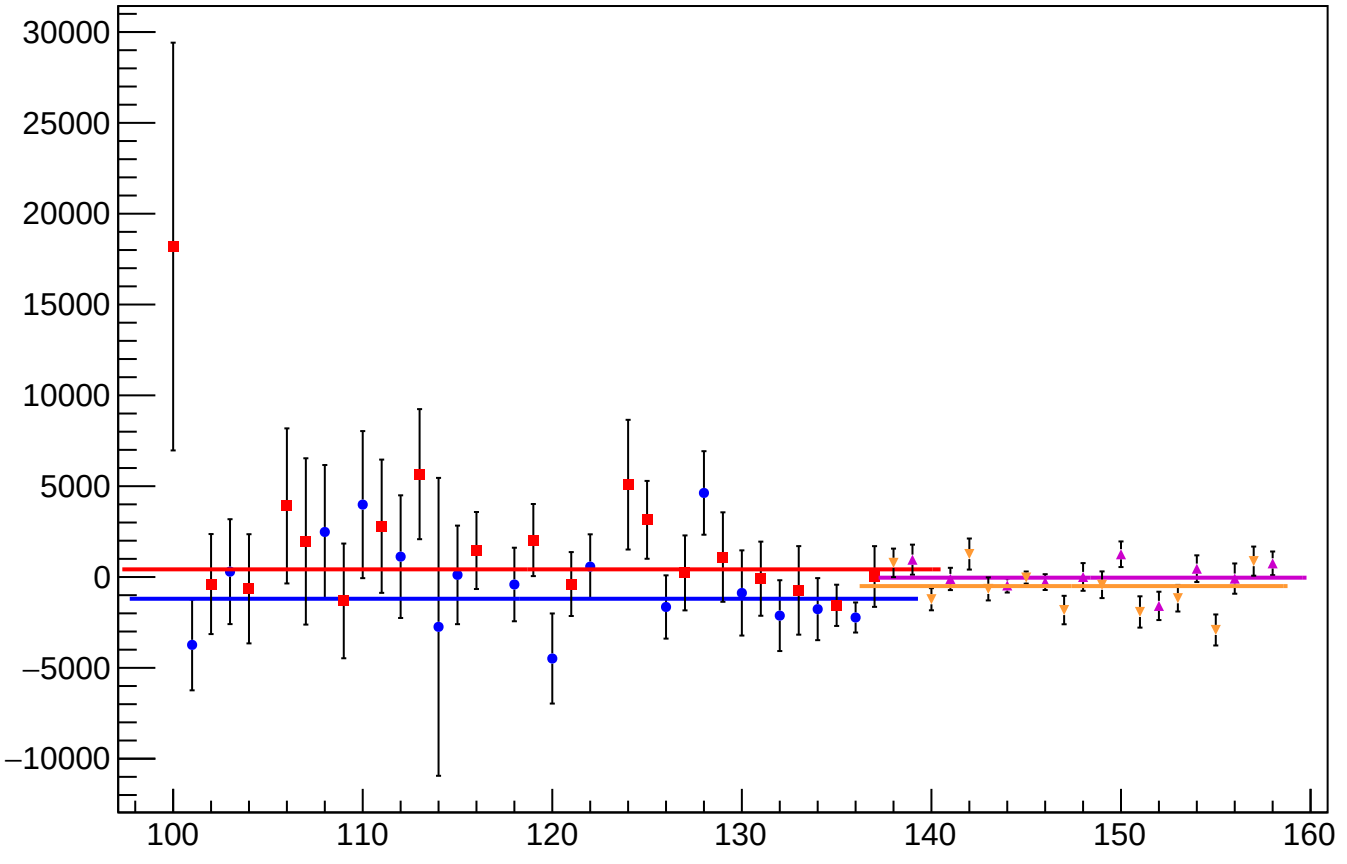
Left: 107.865+/-0.019 χ^2/NDF: 317396.1/20

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 117.996+/-0.022 χ^2/NDF:1908251.8/25

Out: 119.608+/-0.022 χ^2/NDF:2333610.4/29

All: 118.793+/-0.015 χ^2/NDF: 4244569.0/55



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -499.355+/-193.315 χ^2/NDF:27.7/10

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: -36.360+/-192.592 χ^2/NDF:12.2/9

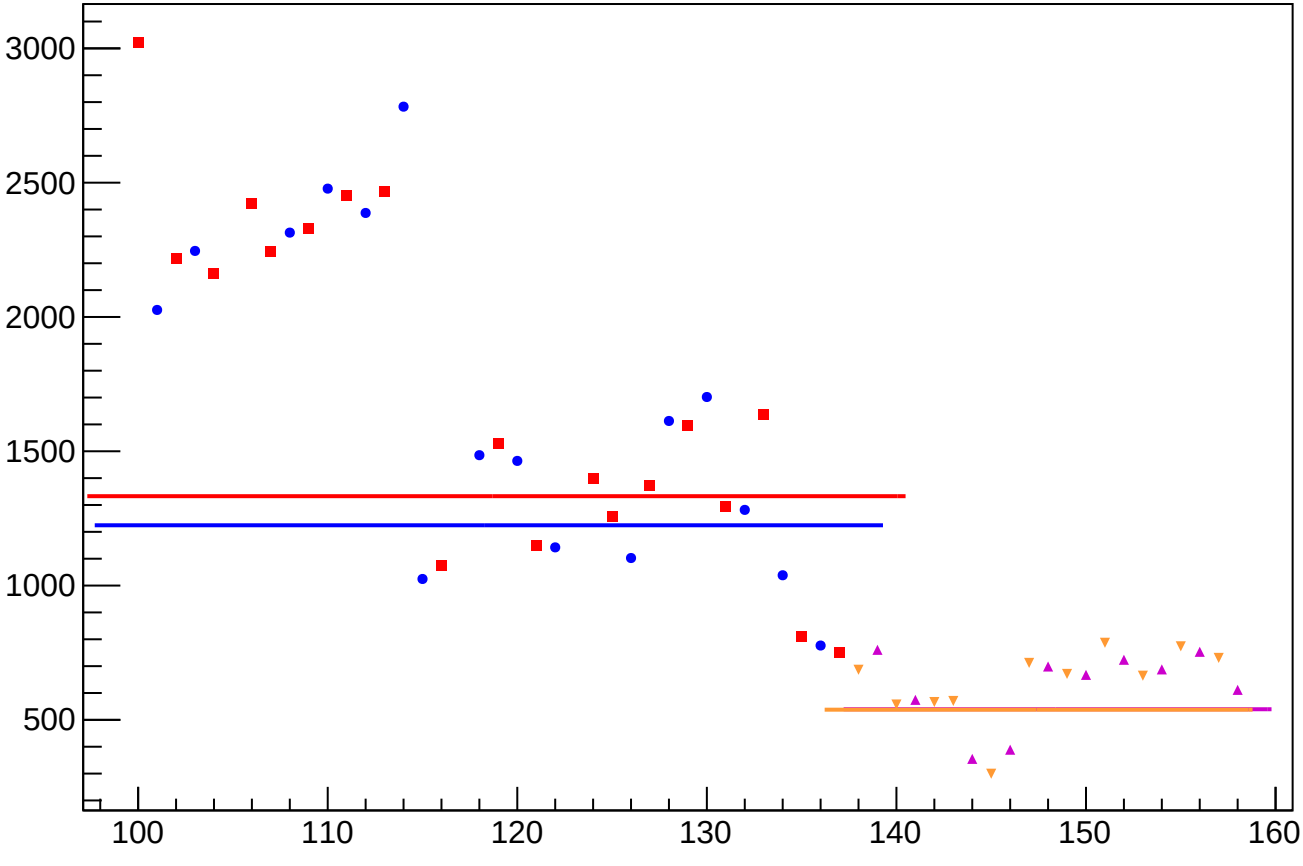
Left: -266.990+/-136.438 χ^2/NDF: 42.7/20

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -190.865+/-179.311 χ^2/NDF:33.0/25

Out: -388.898+/-181.359 χ^2/NDF:44.7/29

All: -288.757+/-127.510 χ^2/NDF: 78.3/55



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 537.917+/-0.137 χ^2/NDF:1760184.1/10

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 539.533+/-0.136 χ^2/NDF:1337780.6/9

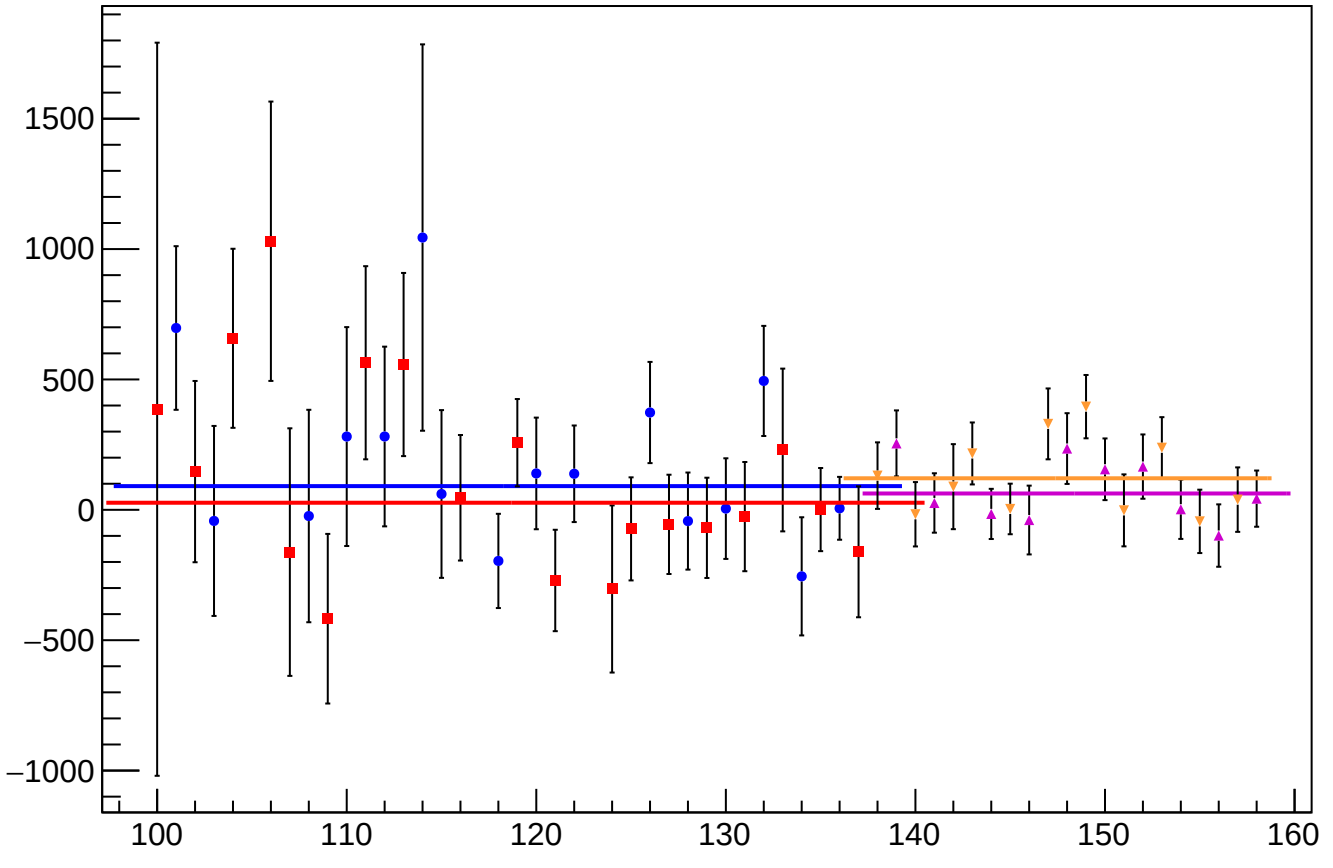
Left: 538.728+/-0.096 χ^2/NDF: 3098035.0/20

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 630.739+/-0.127 χ^2/NDF:6665577.0/25

Out: 633.194+/-0.128 χ^2/NDF:7808043.9/29

All: 631.953+/-0.090 χ^2/NDF: 14473806.2/55



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 120.976+/-37.213 χ^2/NDF:15.0/10

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 62.660+/-37.019 χ^2/NDF:8.7/9

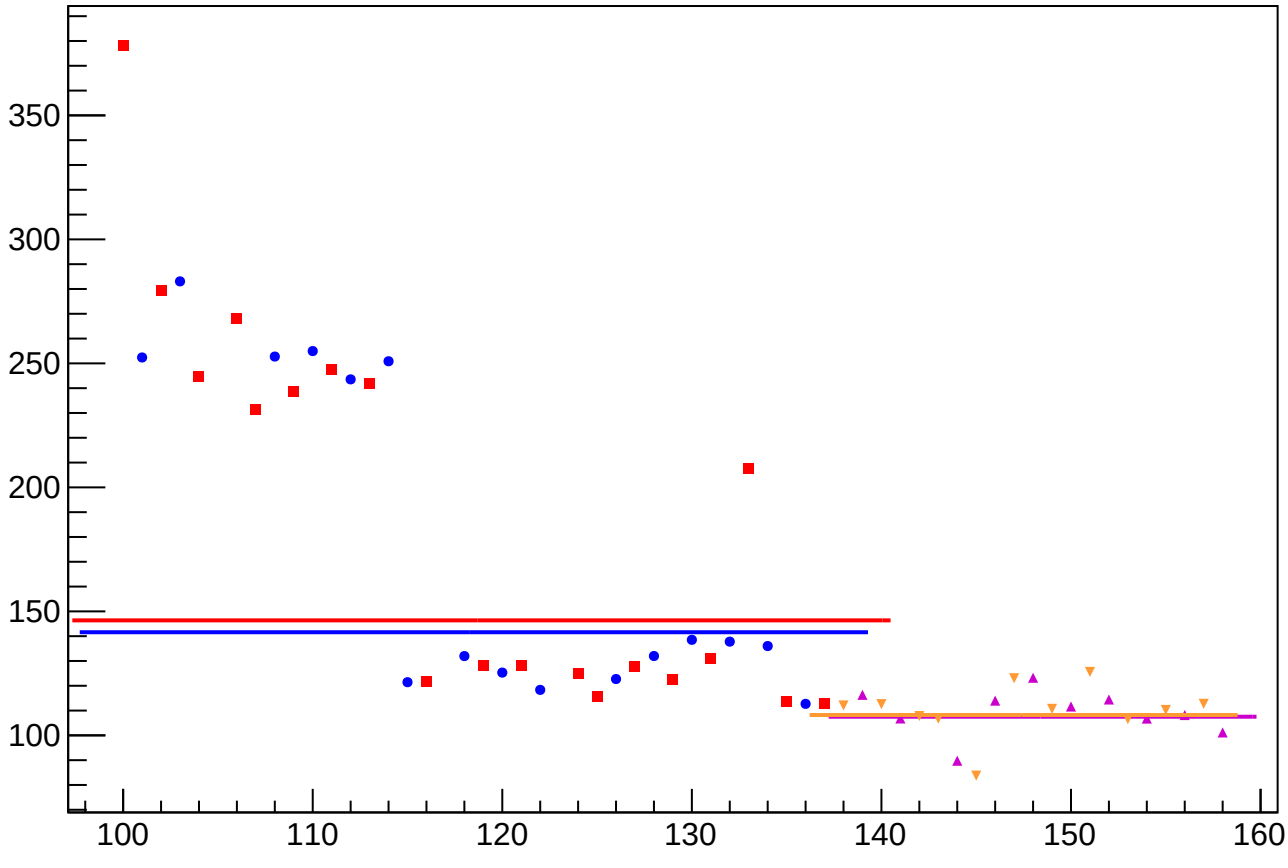
Left: 91.665+/-26.245 χ^2/NDF: 24.9/20

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 71.345+/-30.808 χ^2/NDF:27.0/25

Out: 92.952+/-31.163 χ^2/NDF:37.4/29

All: 82.025+/-21.909 χ^2/NDF: 64.6/55



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 108.209+/-0.026 χ^2/NDF:191669.3/10

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.525+/-0.026 χ^2/NDF:125378.7/9

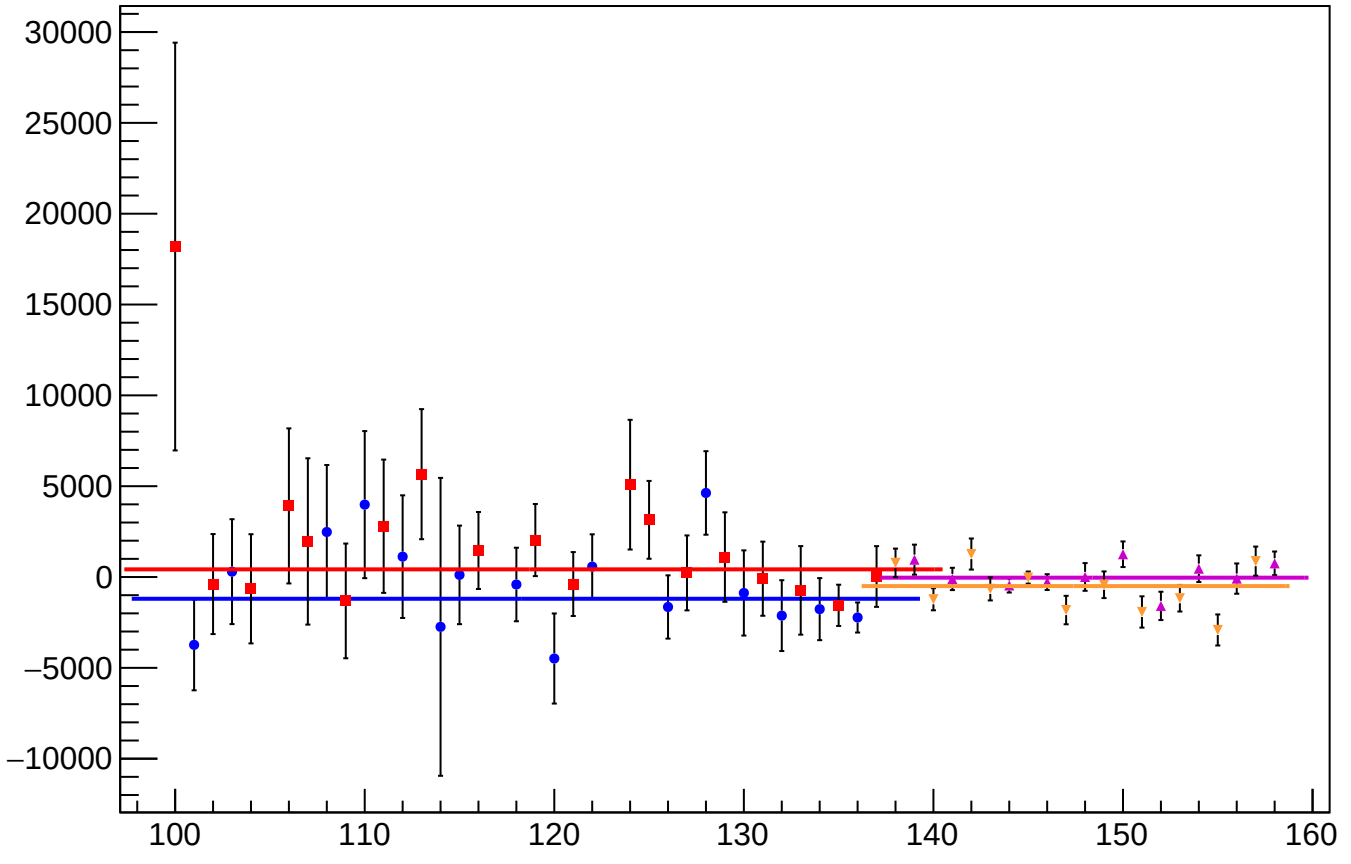
Left: 107.865+/-0.019 χ^2/NDF: 317386.8/20

Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 117.996+/-0.022 χ^2/NDF:1908207.0/25

Out: 119.608+/-0.022 χ^2/NDF:2333563.5/29

All: 118.793+/-0.015 χ^2/NDF: 4244477.9/55



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -499.354+/-193.314 χ^2/NDF:27.7/10

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -36.360+/-192.591 χ^2/NDF:12.2/9

Left: -266.990+/-136.438 χ^2/NDF: 42.7/20

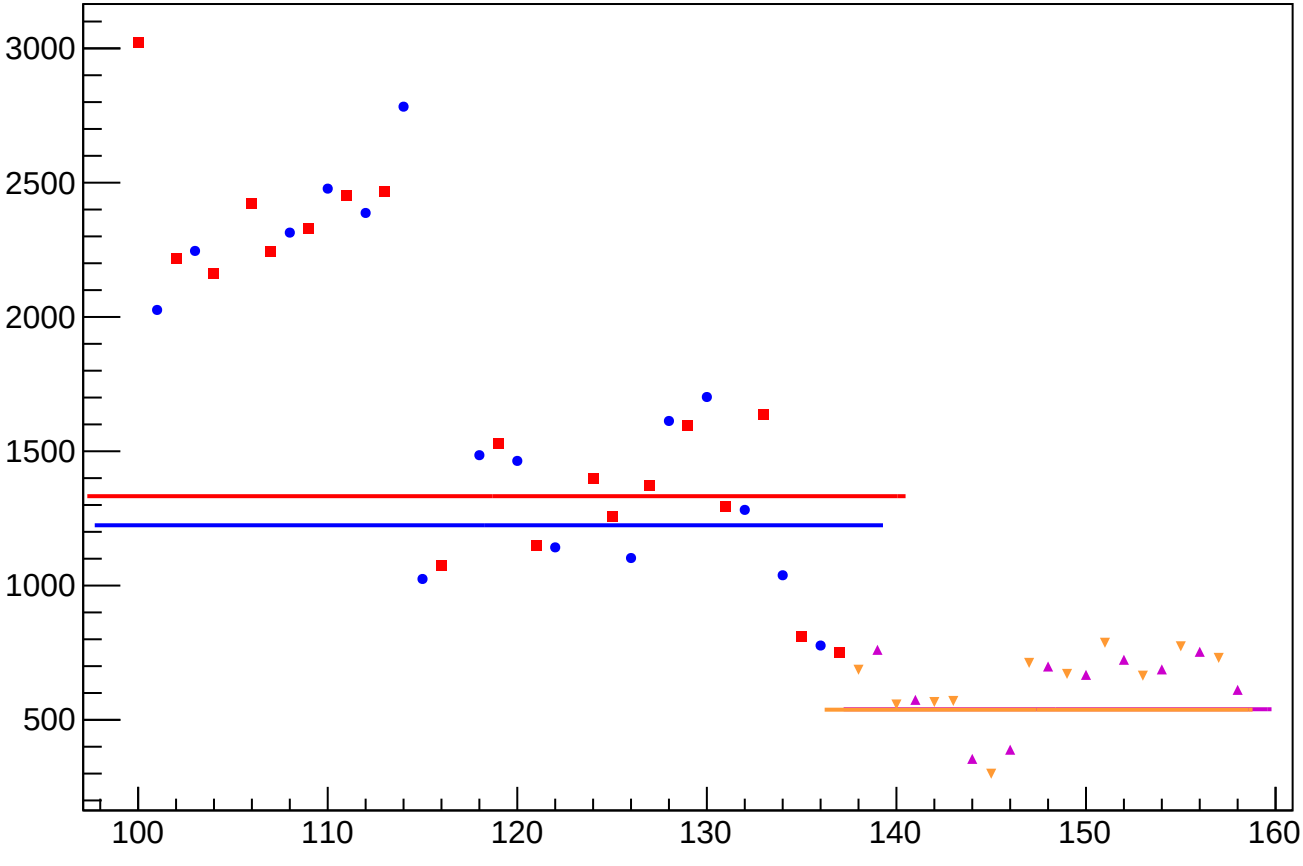
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -190.865+/-179.311 χ^2/NDF:33.0/25

Out: -388.897+/-181.359 χ^2/NDF:44.7/29

All: -288.756+/-127.510 χ^2/NDF: 78.3/55

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 537.915+/-0.137 χ^2/NDF:1760229.4/10

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 539.532+/-0.136 χ^2/NDF:1337797.5/9

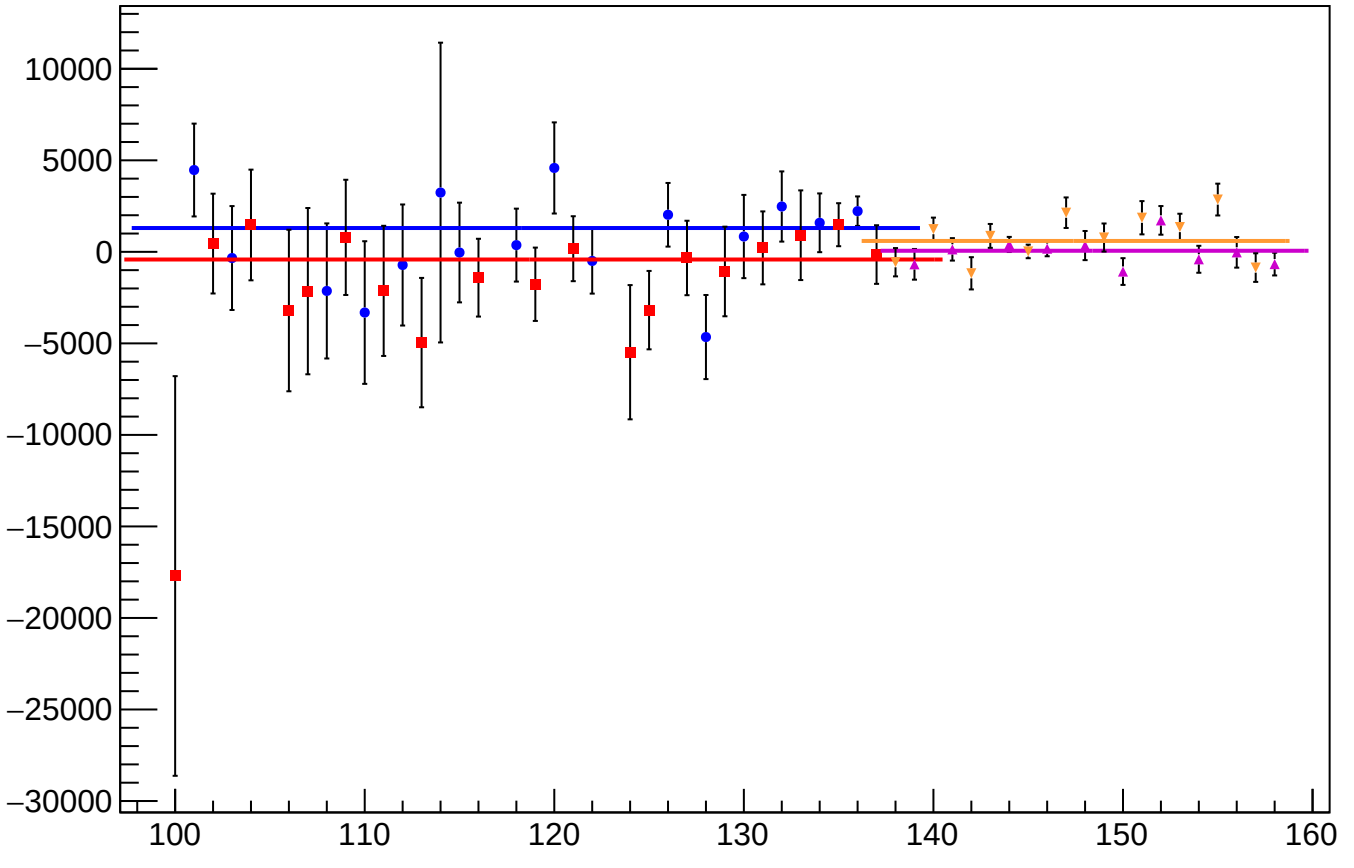
Left: 538.727+/-0.096 χ^2/NDF: 3098097.1/20

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 630.738+/-0.127 χ^2/NDF:6665587.3/25

Out: 633.191+/-0.128 χ^2/NDF:7808098.1/29

All: 631.951+/-0.090 χ^2/NDF: 14473870.5/55



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 595.139+/-202.921 χ^2/NDF:26.6/10

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 59.271+/-193.626 χ^2/NDF:10.4/9

Left: 314.652+/-140.085 χ^2/NDF: 40.7/20

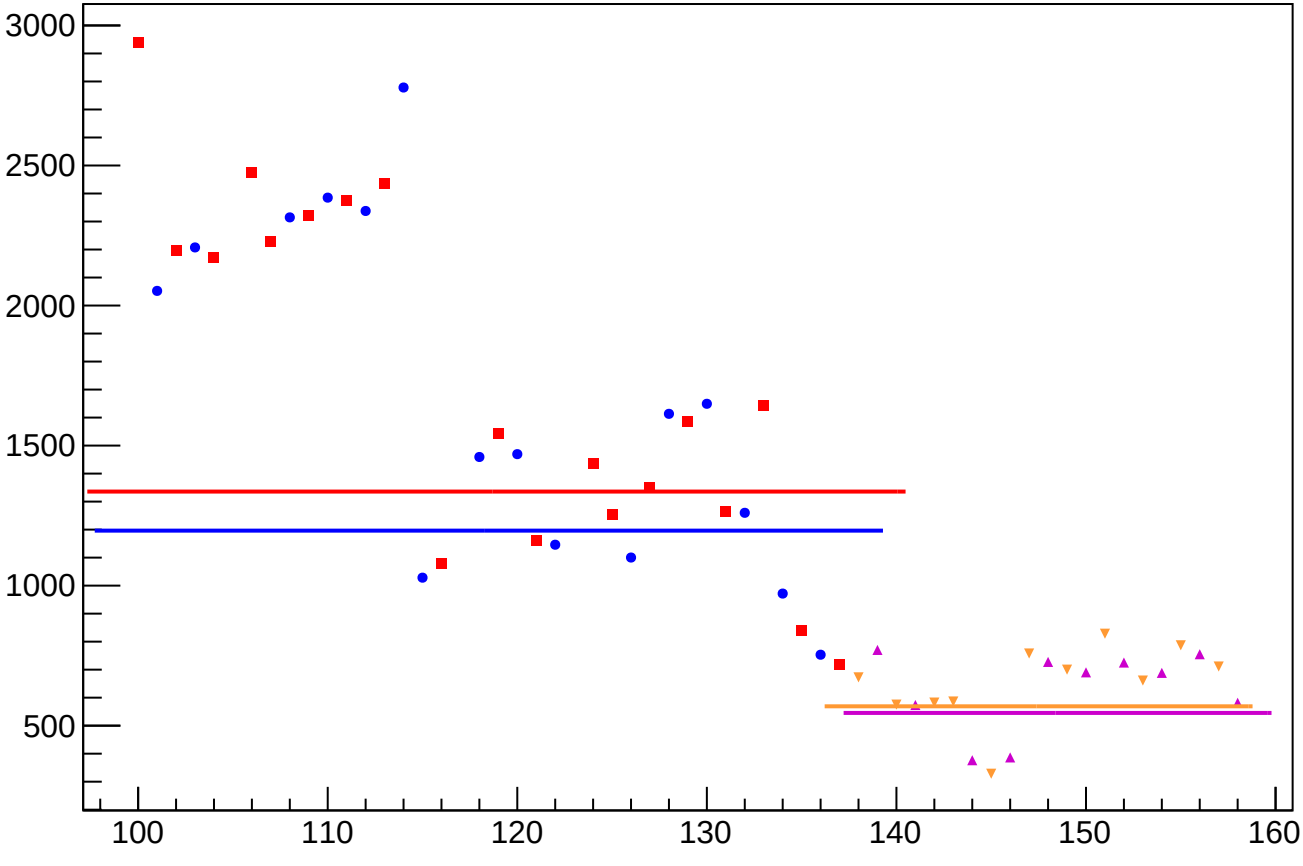
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 231.923+/-179.669 χ^2/NDF:32.6/25

Out: 463.206+/-189.252 χ^2/NDF:42.9/29

All: 341.561+/-130.301 χ^2/NDF: 76.3/55

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 569.085+/-0.143 χ^2/NDF:1426671.3/10

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 545.477+/-0.137 χ^2/NDF:1271063.6/9

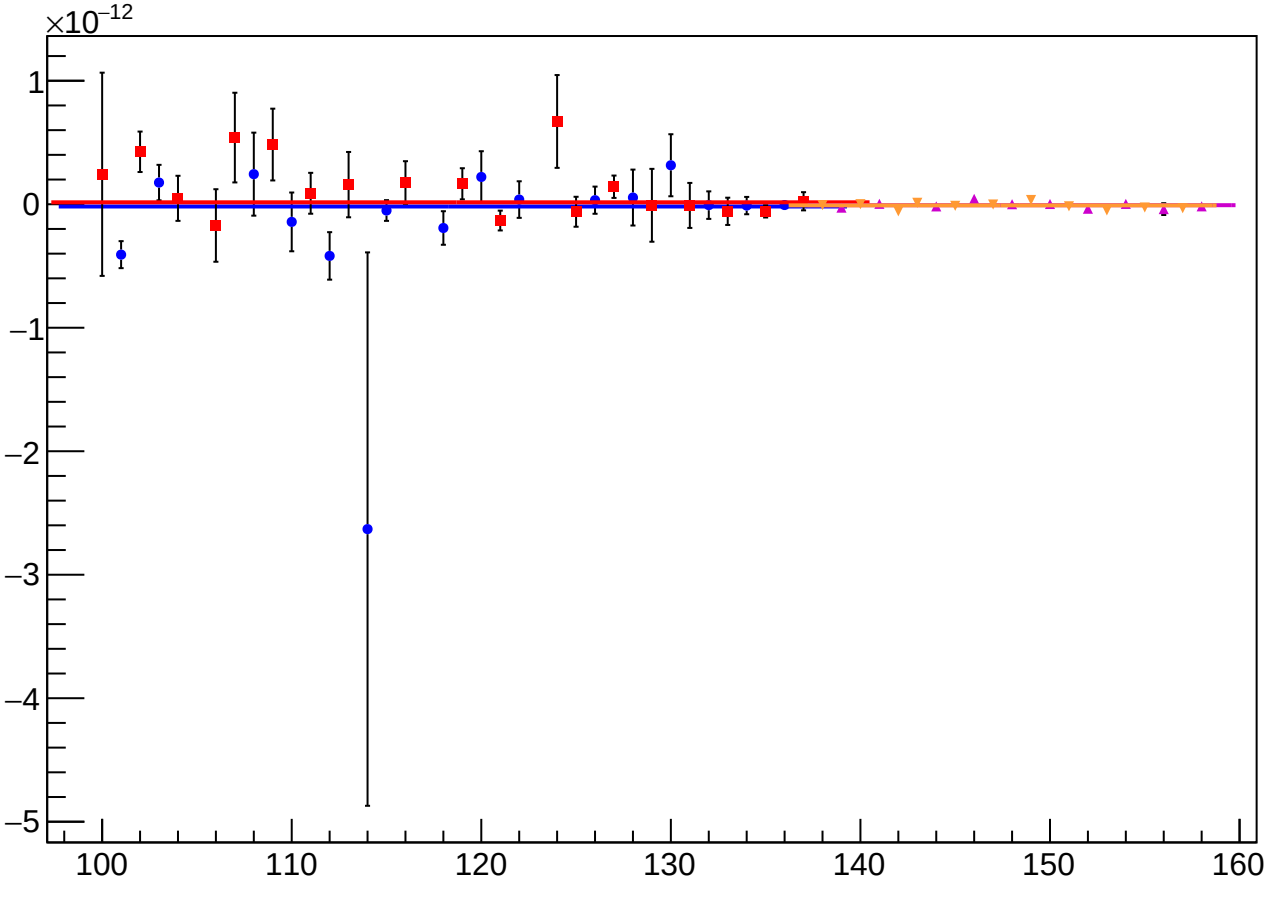
Left: 556.728+/-0.099 χ^2/NDF: 2711903.9/20

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 635.931+/-0.127 χ^2/NDF:6443454.2/25

Out: 668.901+/-0.134 χ^2/NDF:7095365.5/29

All: 651.560+/-0.092 χ^2/NDF: 13570746.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/9

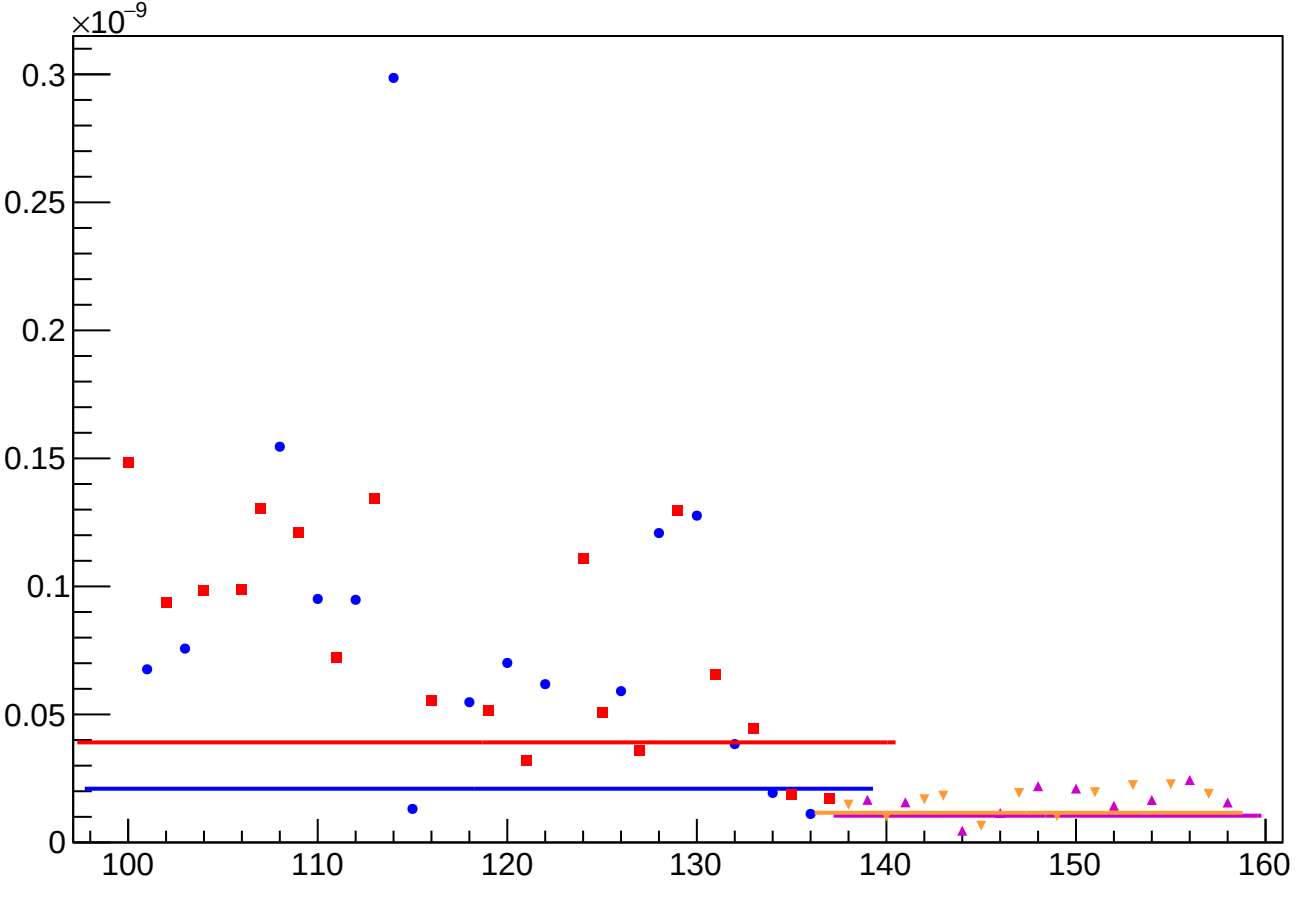
Left: -0.000+/-0.000 χ^2/NDF: 19.8/20

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:38.6/25

Out: -0.000+/-0.000 χ^2/NDF:34.6/29

All: -0.000+/-0.000 χ^2/NDF: 73.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1305458.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1732431.6/9

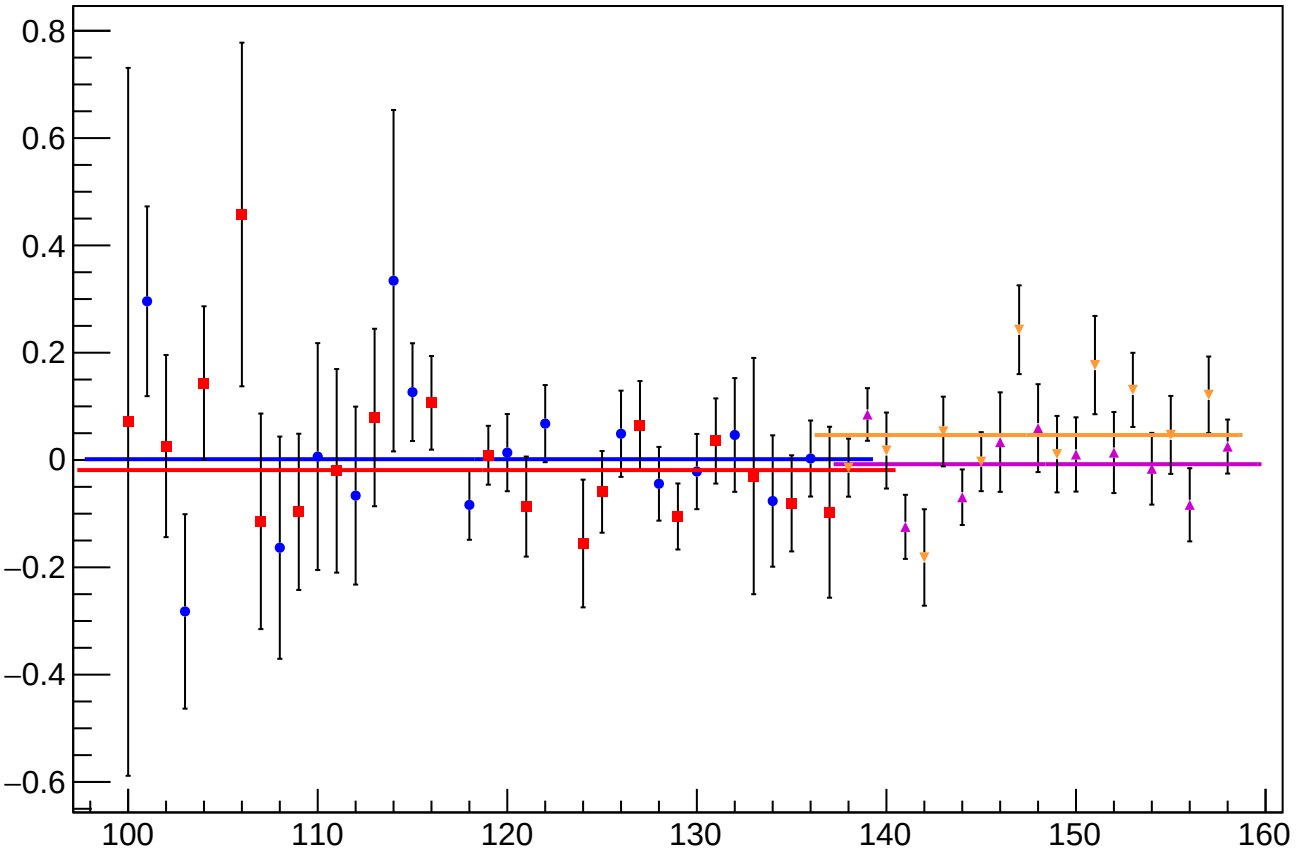
Left: 0.000+/-0.000 χ^2/NDF: 3066528.3/20

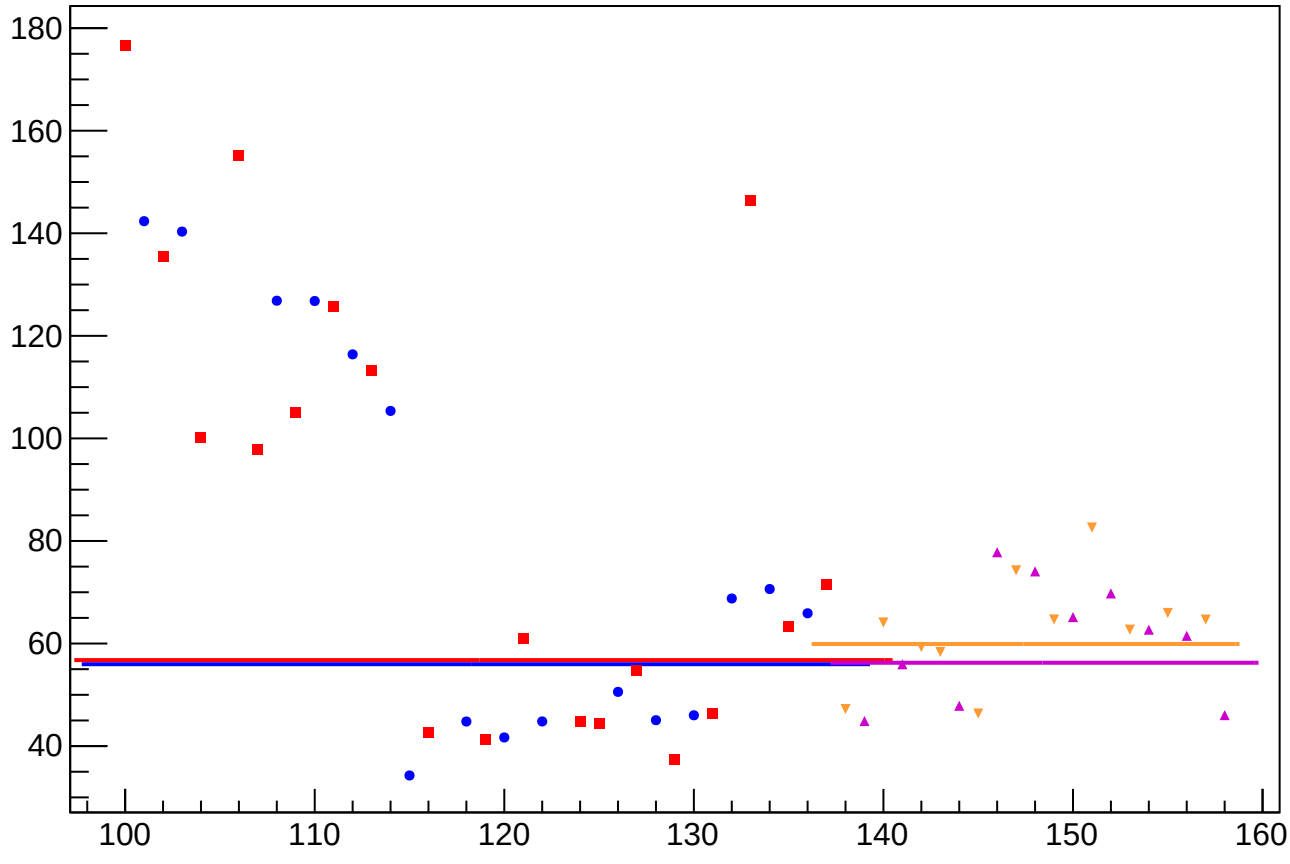
Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5727860.9/25

Out: 0.000+/-0.000 χ^2/NDF:5249866.9/29

All: 0.000+/-0.000 χ^2/NDF: 11029345.5/55


asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.047+/-0.021 χ²/NDF:19.2/10
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.008+/-0.020 χ²/NDF:11.5/9
Left: 0.018+/-0.014 χ²/NDF: 34.3/20
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.004+/-0.015 χ²/NDF:24.7/25
Out: 0.018+/-0.016 χ²/NDF:36.6/29
All: 0.007+/-0.011 χ²/NDF: 62.3/55



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.906+/-0.015 χ^2/NDF:458293.6/10

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.253+/-0.014 χ^2/NDF:572692.3/9

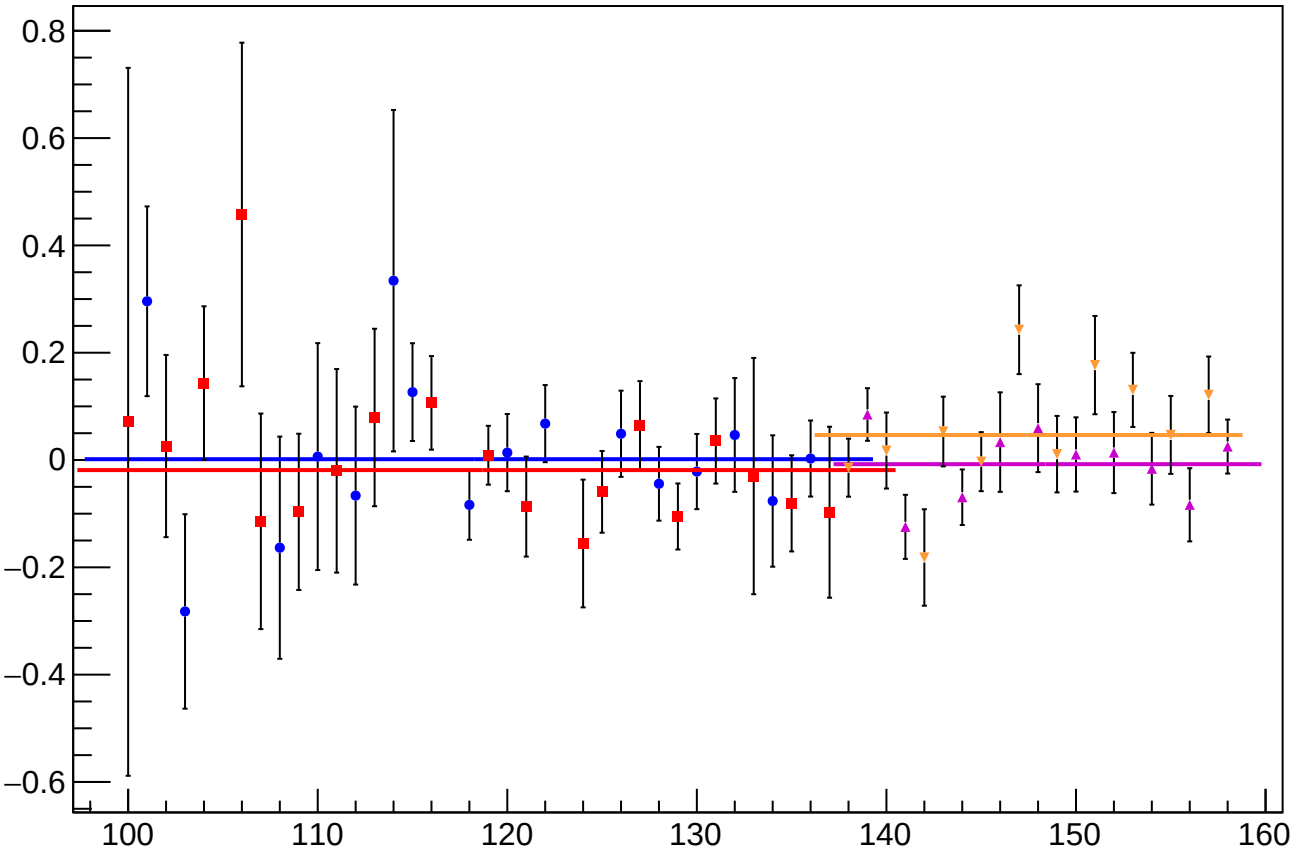
Left: 57.981+/-0.010 χ^2/NDF: 1063198.8/20

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.134+/-0.011 χ^2/NDF:2752694.3/25

Out: 58.523+/-0.011 χ^2/NDF:3031388.2/29

All: 57.289+/-0.008 χ^2/NDF: 5808221.6/55



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.047+/-0.021 χ^2/NDF:19.2/10

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.008+/-0.020 χ^2/NDF:11.5/9

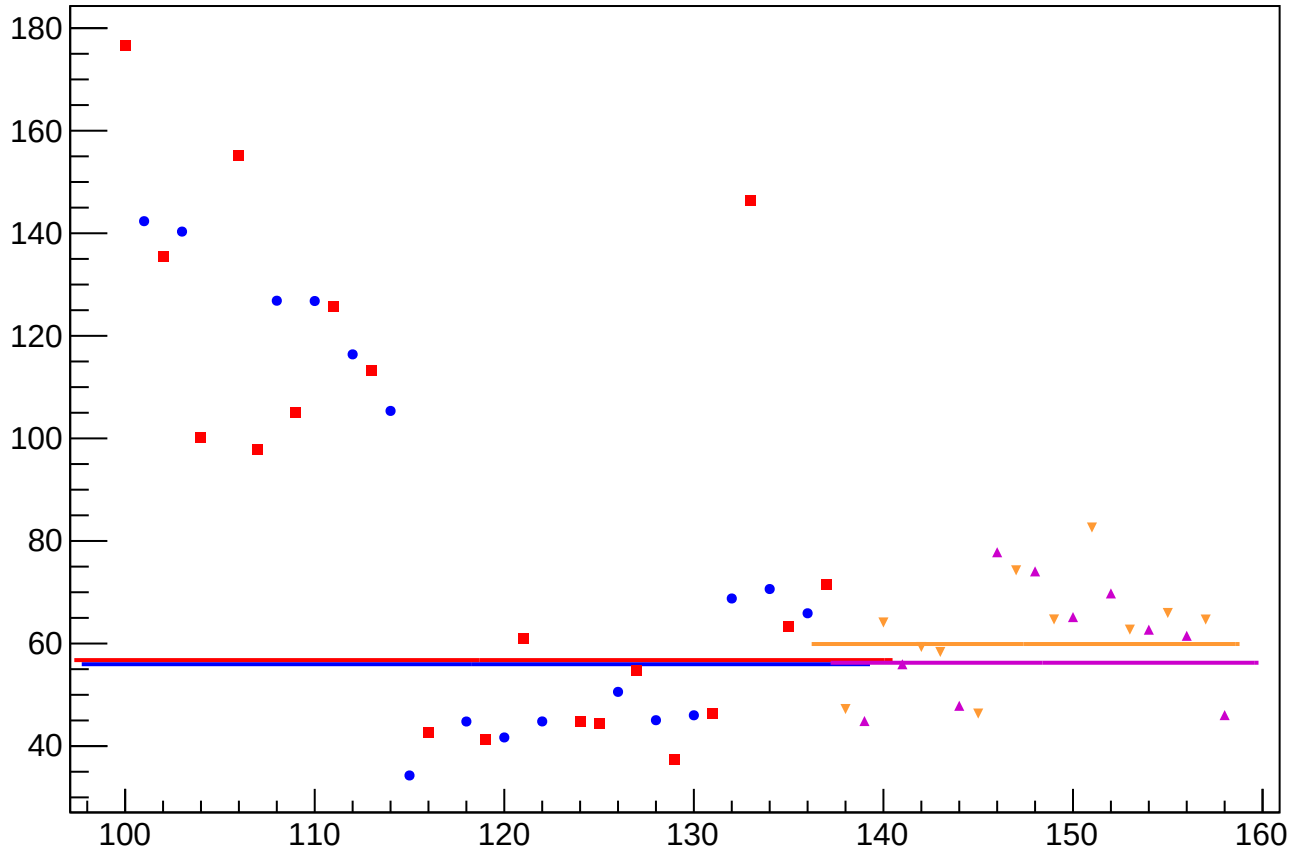
Left: 0.018+/-0.014 χ^2/NDF: 34.3/20

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.015 χ^2/NDF:24.7/25

Out: 0.018+/-0.016 χ^2/NDF:36.6/29

All: 0.007+/-0.011 χ^2/NDF: 62.3/55



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.906+/-0.015 χ^2/NDF:458293.6/10

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.253+/-0.014 χ^2/NDF:572692.3/9

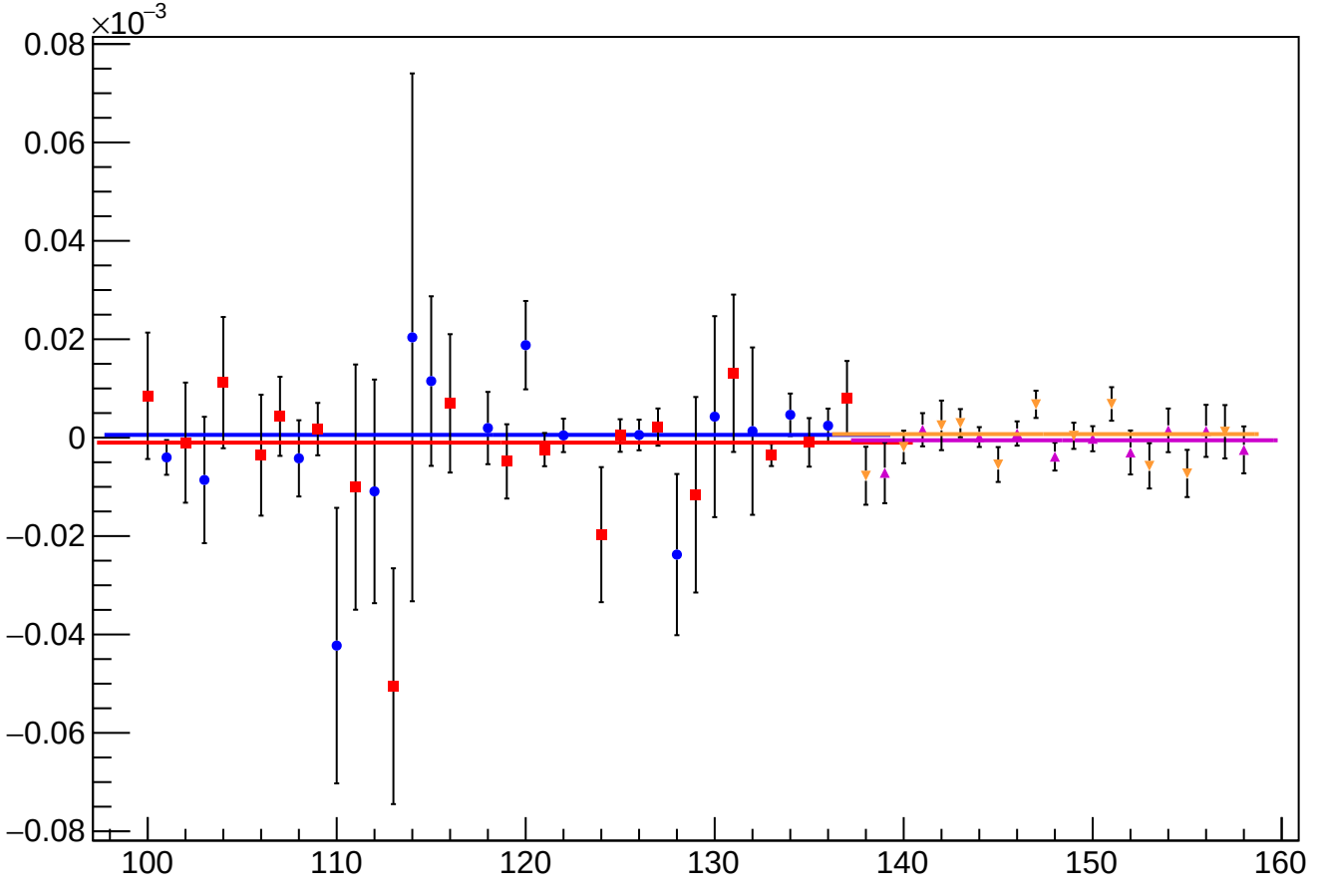
Left: 57.981+/-0.010 χ^2/NDF: 1063198.8/20

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.134+/-0.011 χ^2/NDF:2752694.3/25

Out: 58.523+/-0.011 χ^2/NDF:3031388.2/29

All: 57.289+/-0.008 χ^2/NDF: 5808221.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/9

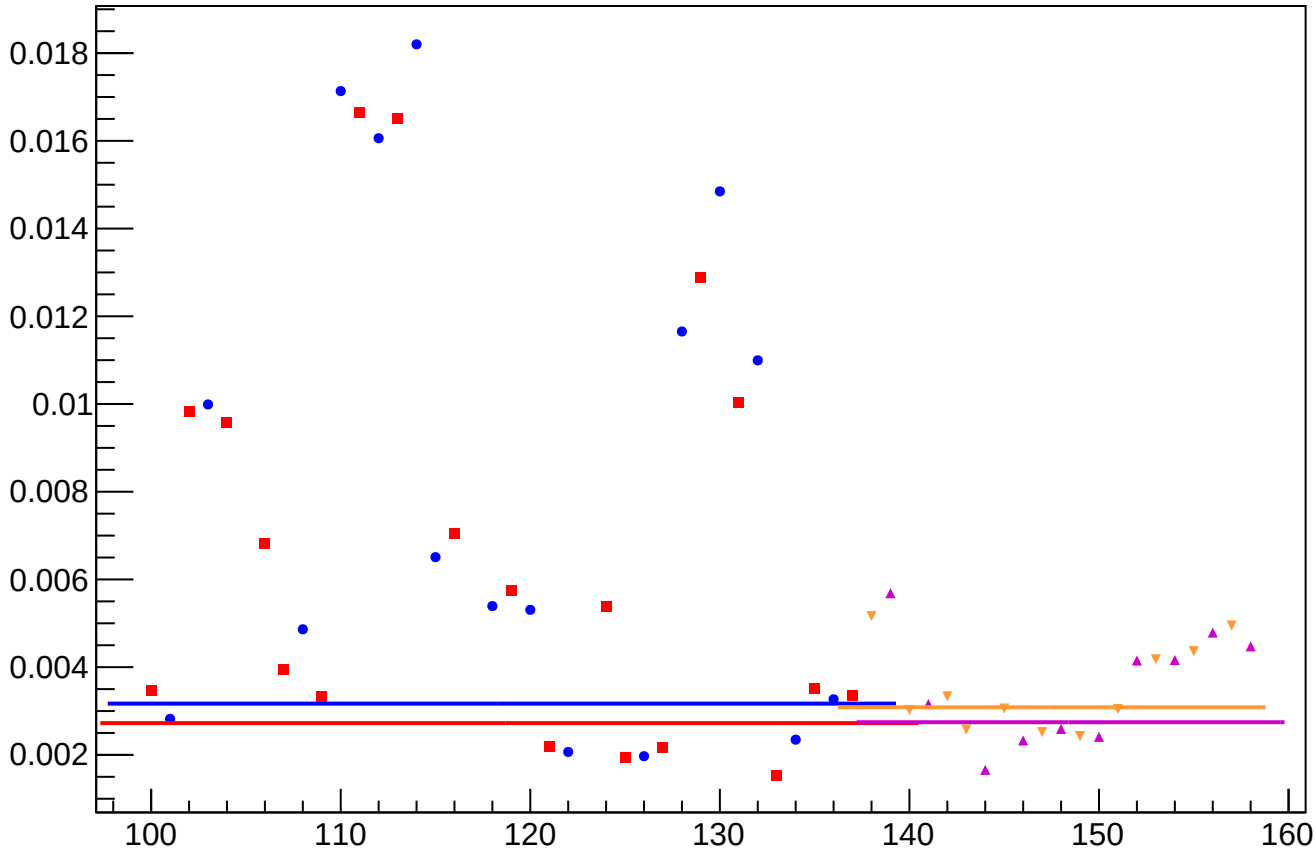
Left: 0.000+/-0.000 χ^2/NDF: 24.1/20

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:17.9/25

Out: -0.000+/-0.000 χ^2/NDF:34.1/29

All: -0.000+/-0.000 χ^2/NDF: 52.0/55



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1015514.8/10

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2125027.1/9

Left: 0.003+/-0.000 χ^2/NDF: 3245803.9/20

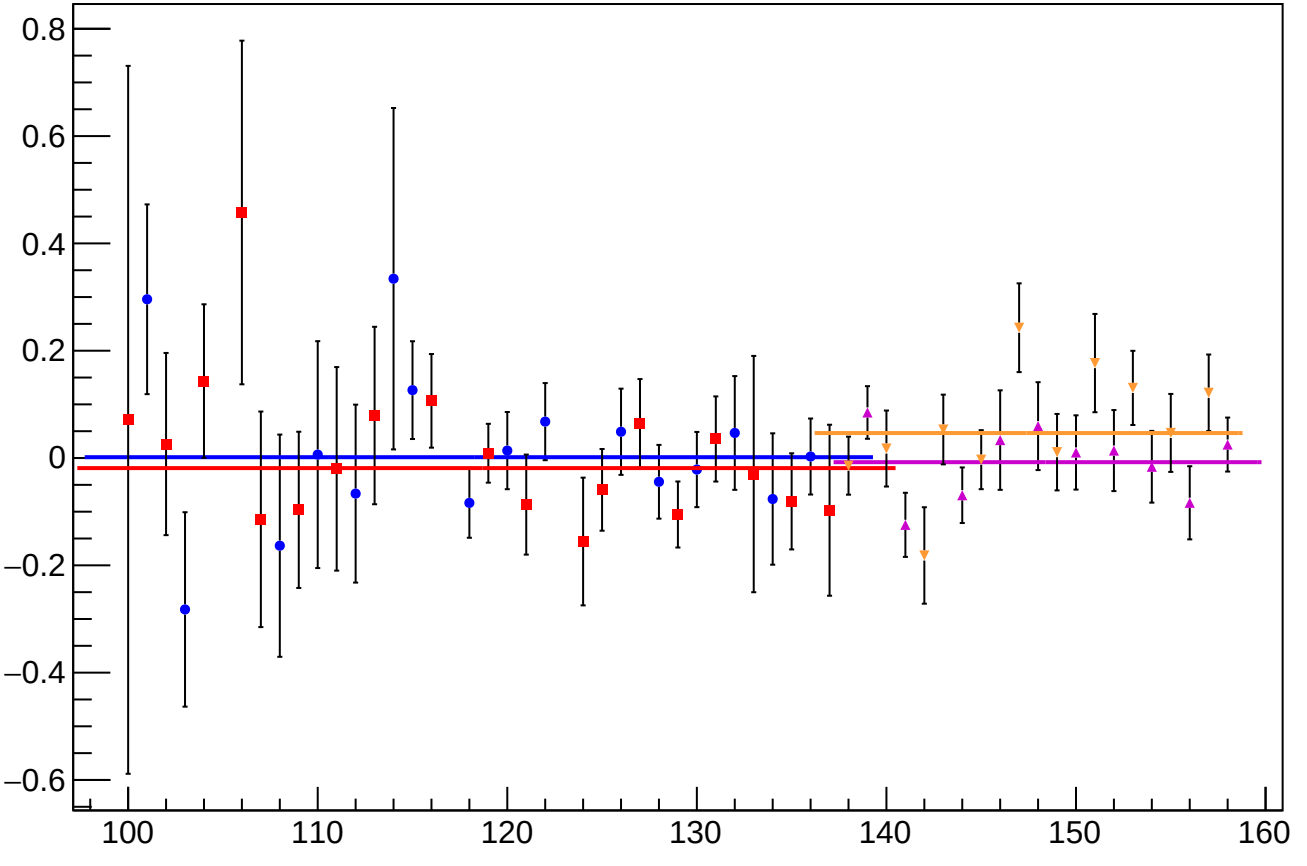
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:6786224.6/25

Out: 0.003+/-0.000 χ^2/NDF:6261091.0/29

All: 0.003+/-0.000 χ^2/NDF: 13050952.8/55

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: 0.047+/-0.021 χ^2/NDF:19.2/10

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.008+/-0.020 χ^2/NDF:11.5/9

Left: 0.018+/-0.014 χ^2/NDF: 34.3/20

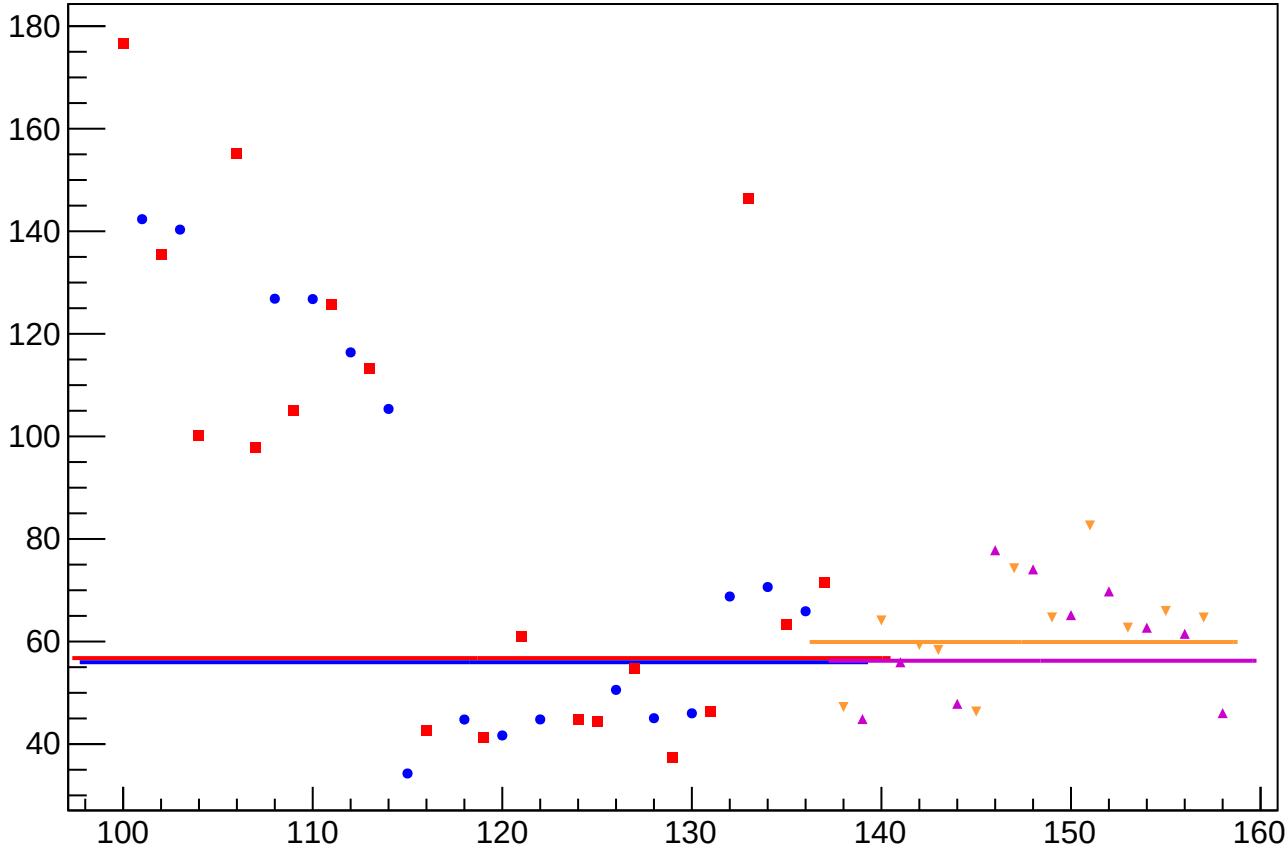
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.015 χ^2/NDF:24.7/25

Out: 0.018+/-0.016 χ^2/NDF:36.6/29

All: 0.007+/-0.011 χ^2/NDF: 62.3/55

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.907+/-0.015 χ^2/NDF:458282.9/10

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.254+/-0.014 χ^2/NDF:572691.7/9

Left: 57.981+/-0.010 χ^2/NDF: 1063189.8/20

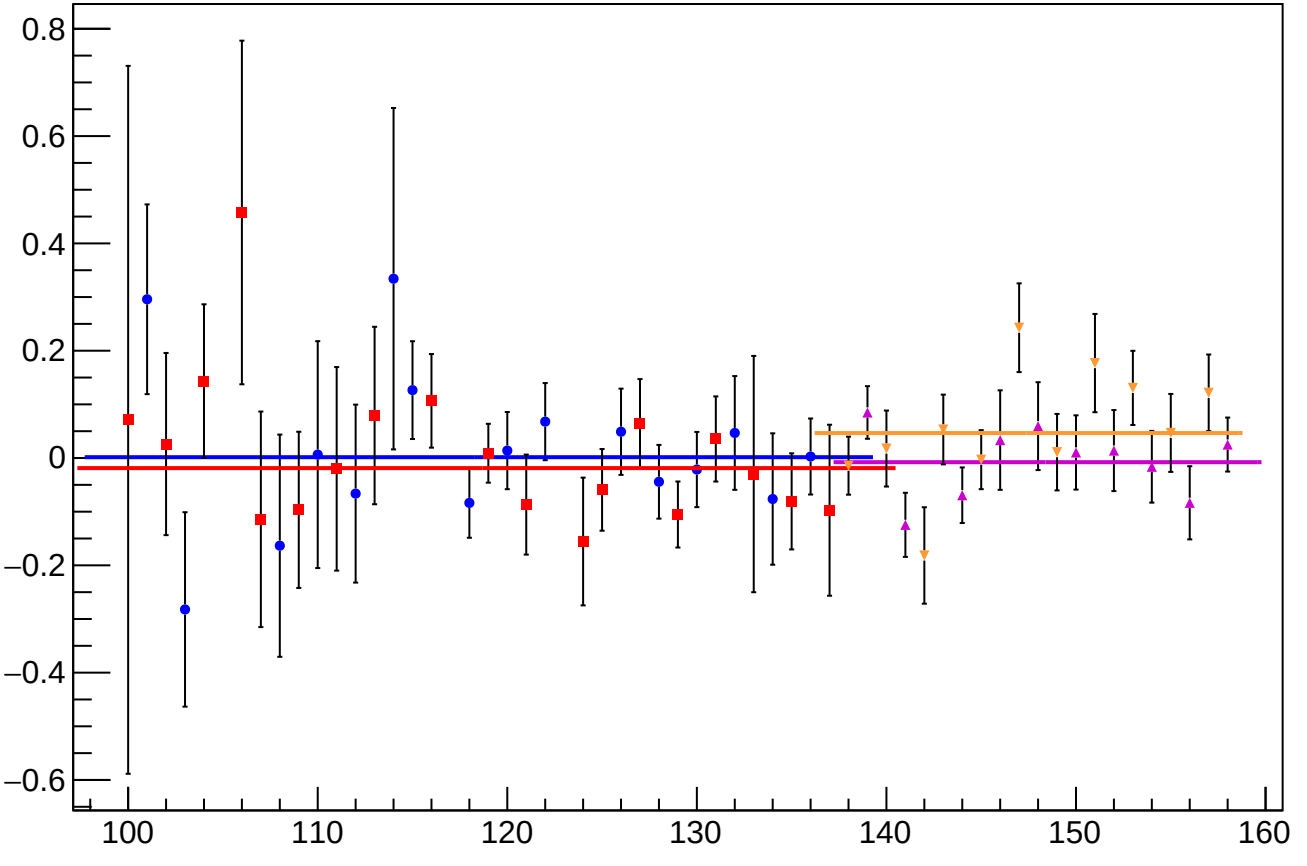
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.135+/-0.011 χ^2/NDF:2752622.9/25

Out: 58.523+/-0.011 χ^2/NDF:3031336.7/29

All: 57.290+/-0.008 χ^2/NDF: 5808097.6/55

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.047+/-0.021 χ^2/NDF:19.2/10

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.008+/-0.020 χ^2/NDF:11.5/9

Left: 0.018+/-0.014 χ^2/NDF: 34.3/20

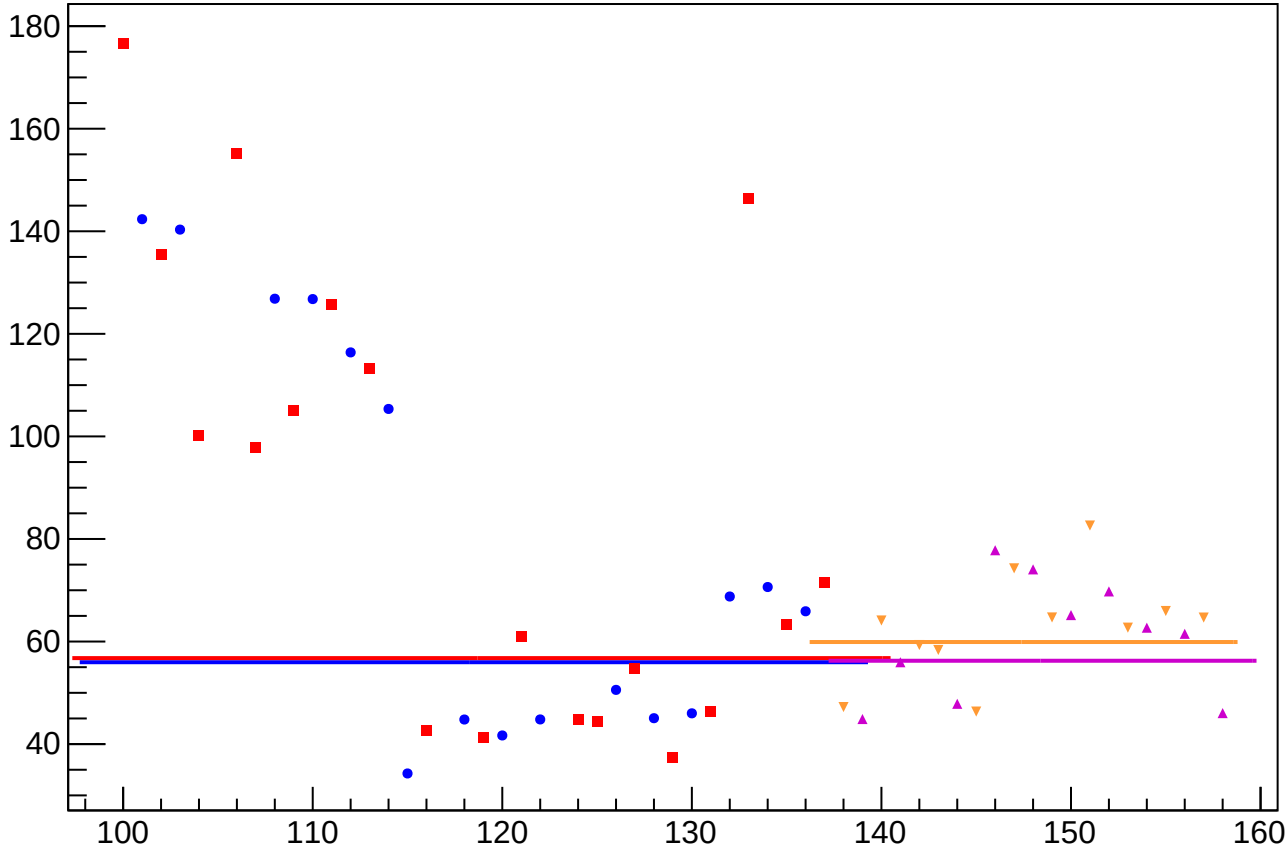
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.015 χ^2/NDF:24.7/25

Out: 0.018+/-0.016 χ^2/NDF:36.6/29

All: 0.007+/-0.011 χ^2/NDF: 62.3/55

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: 59.907+/-0.015 χ^2/NDF:458282.9/10

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.254+/-0.014 χ^2/NDF:572691.7/9

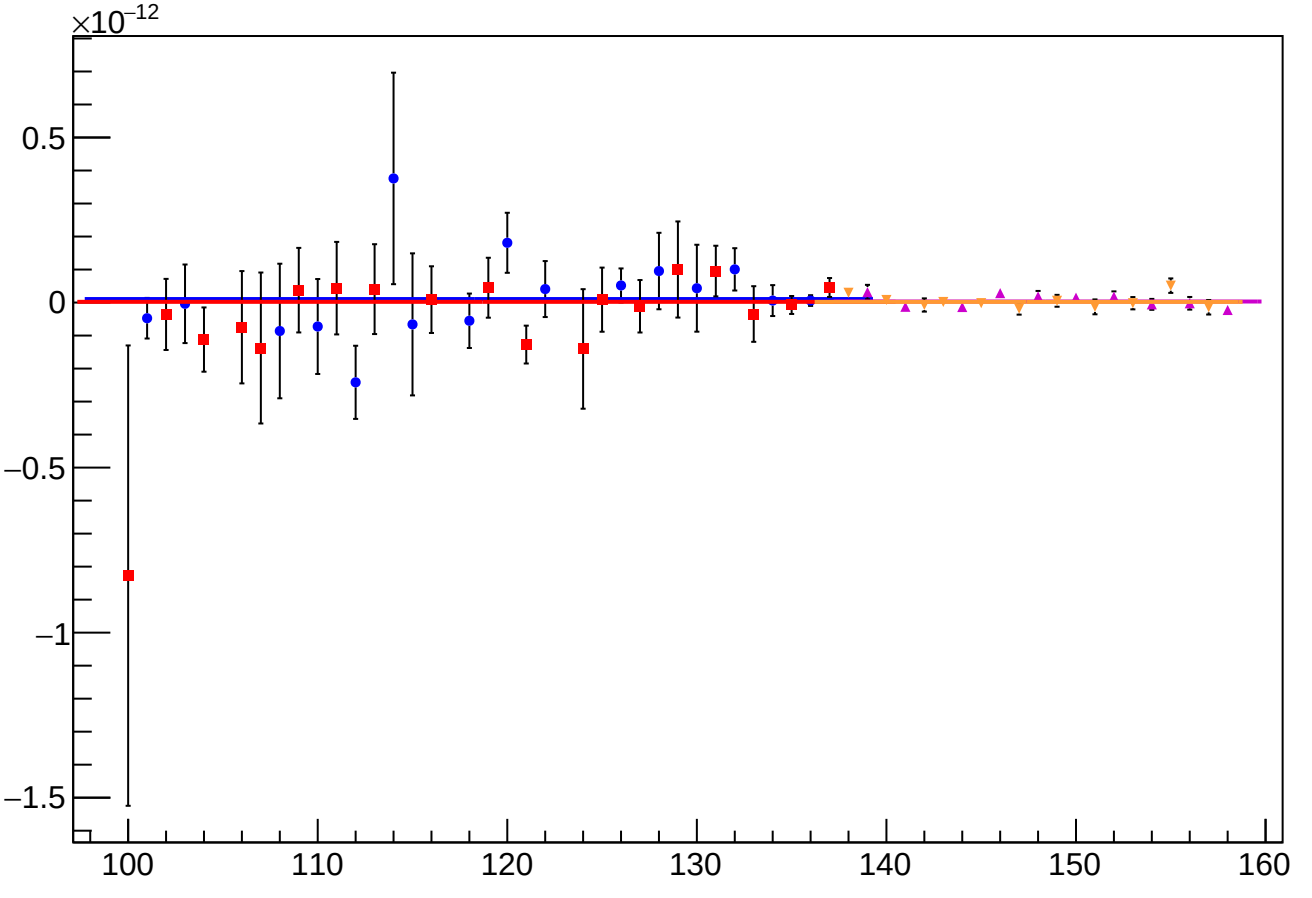
Left: 57.981+/-0.010 χ^2/NDF: 1063189.8/20

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.135+/-0.011 χ^2/NDF:2752622.9/25

Out: 58.523+/-0.011 χ^2/NDF:3031336.7/29

All: 57.290+/-0.008 χ^2/NDF: 5808097.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/9

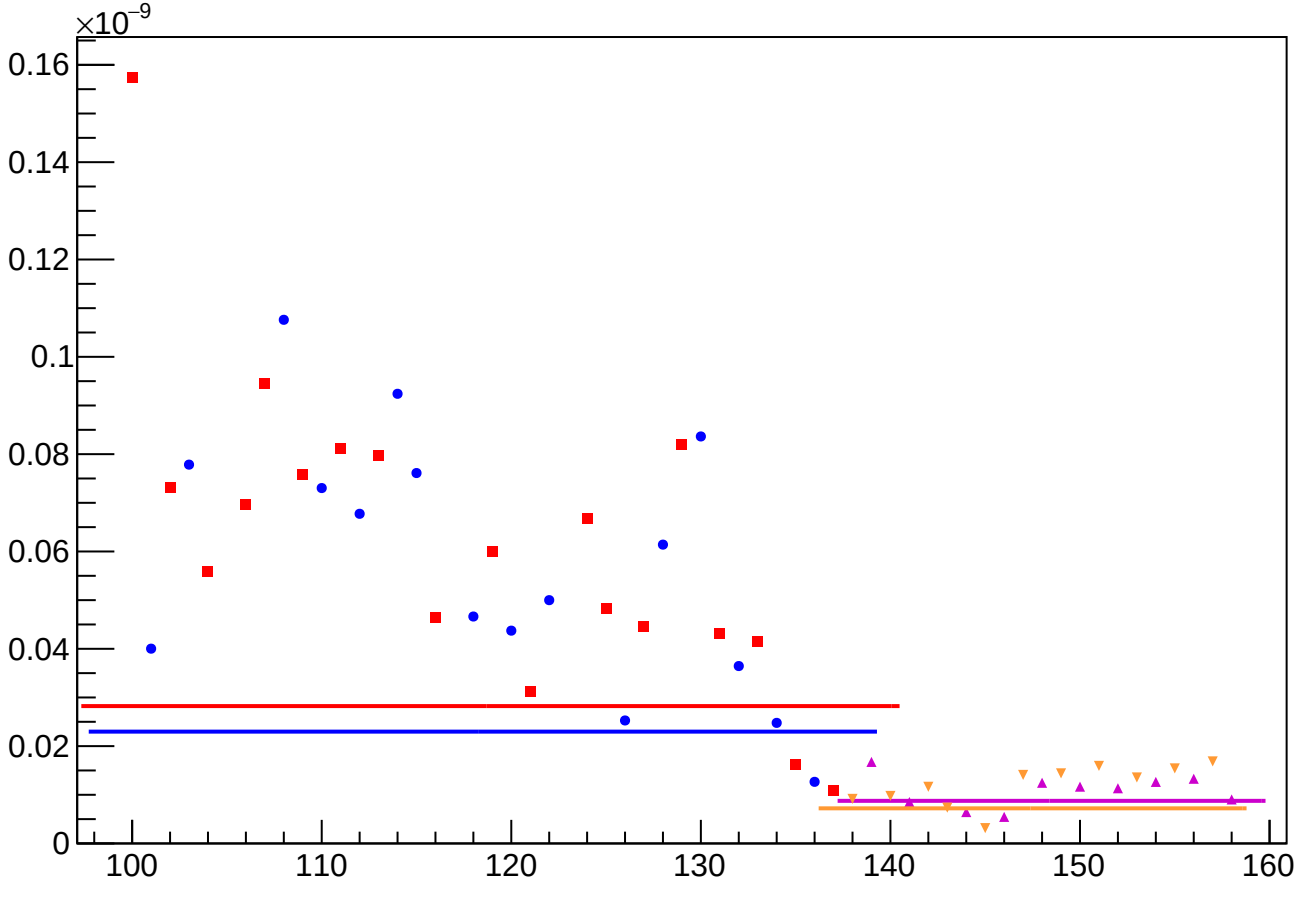
Left: 0.000+/-0.000 χ^2/NDF: 37.4/20

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:40.6/25

Out: 0.000+/-0.000 χ^2/NDF:27.0/29

All: 0.000+/-0.000 χ^2/NDF: 67.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3305998.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1185818.3/9

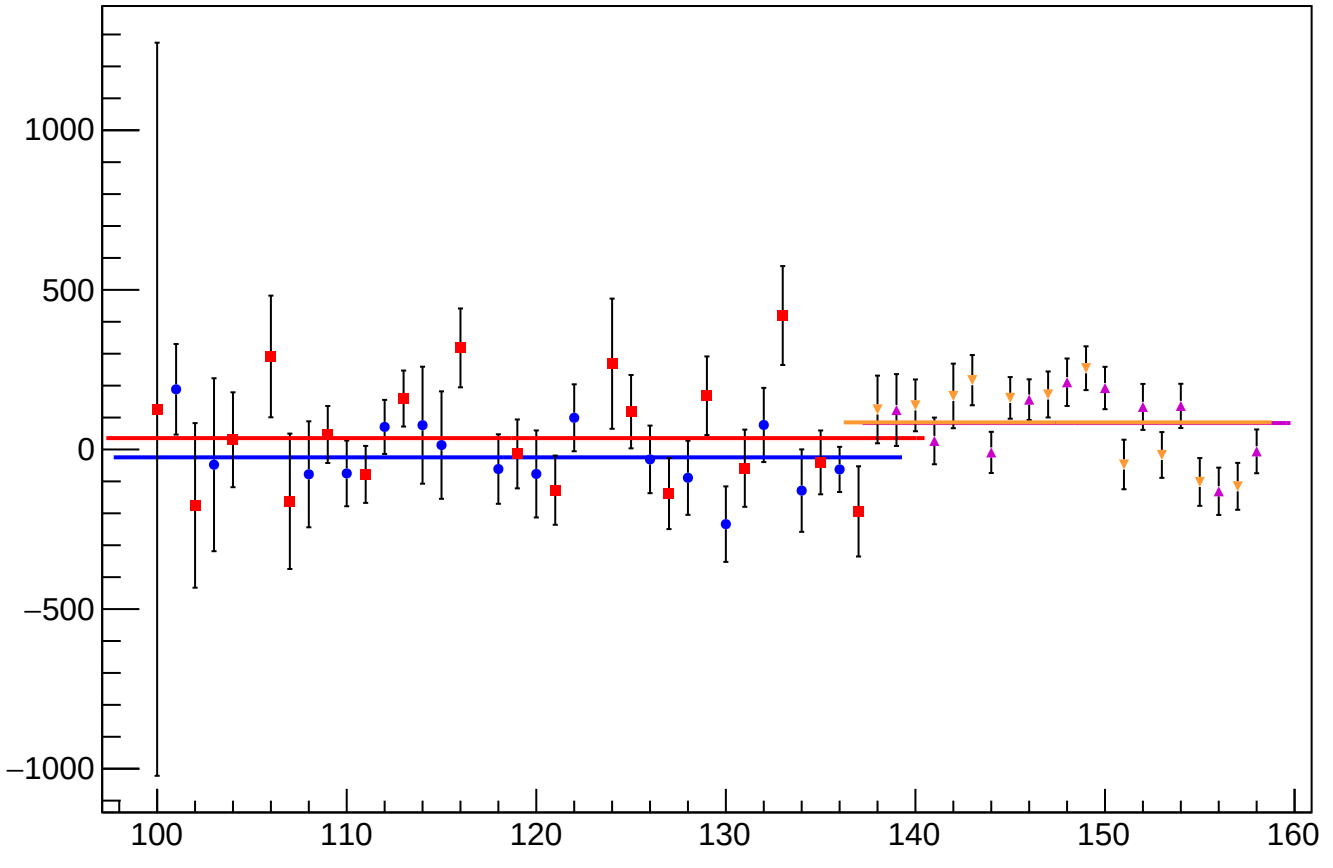
Left: 0.000+/-0.000 χ^2/NDF: 4659188.4/20

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7122907.9/25

Out: 0.000+/-0.000 χ^2/NDF:10614574.8/29

All: 0.000+/-0.000 χ^2/NDF: 17950643.8/55



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 84.865+/-23.156 χ^2/NDF:31.6/10

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 82.763+/-22.603 χ^2/NDF:20.9/9

Left: 83.788+/-16.174 χ^2/NDF: 52.5/20

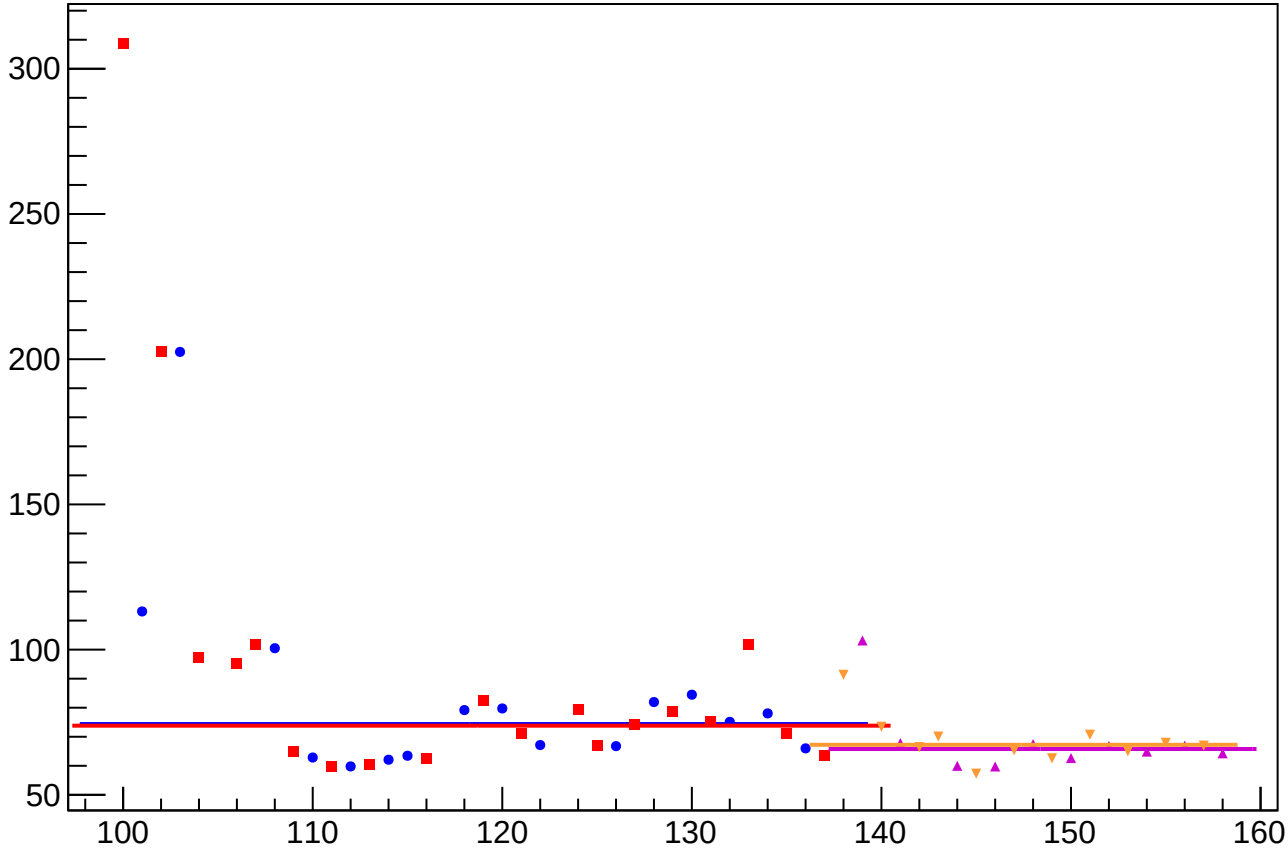
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 42.025+/-17.807 χ^2/NDF:40.4/25

Out: 65.230+/-17.960 χ^2/NDF:63.5/29

All: 53.528+/-12.645 χ^2/NDF: 104.8/55

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.229+/-0.016 χ^2/NDF:180929.0/10

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.779+/-0.016 χ^2/NDF:263866.6/9

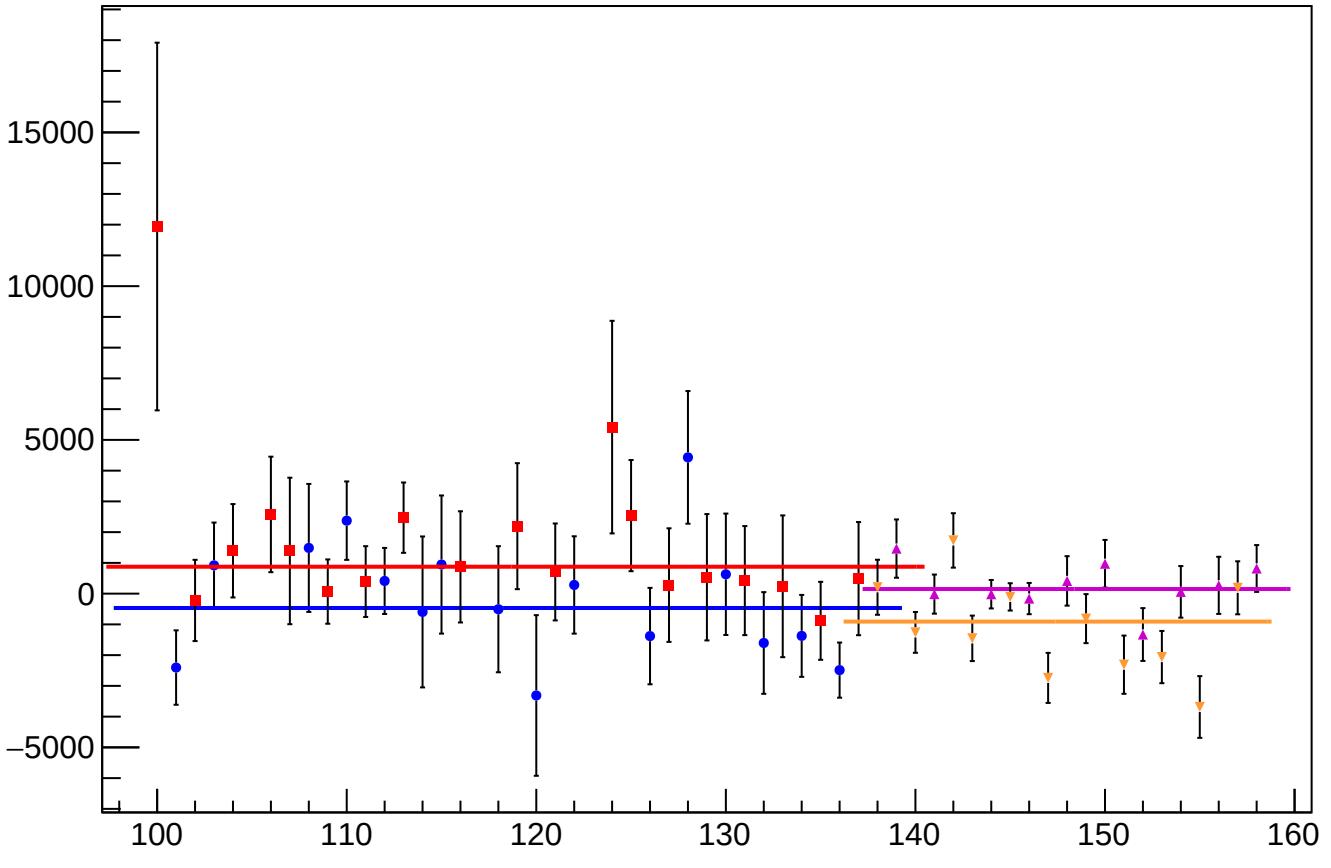
Left: 66.486+/-0.011 χ^2/NDF: 448814.6/20

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 69.037+/-0.013 χ^2/NDF:1201032.1/25

Out: 69.853+/-0.013 χ^2/NDF:1177331.1/29

All: 69.442+/-0.009 χ^2/NDF: 2380444.1/55



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -909.274+/-225.763 χ^2/NDF:32.9/10

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 150.107+/-218.210 χ^2/NDF:7.5/9

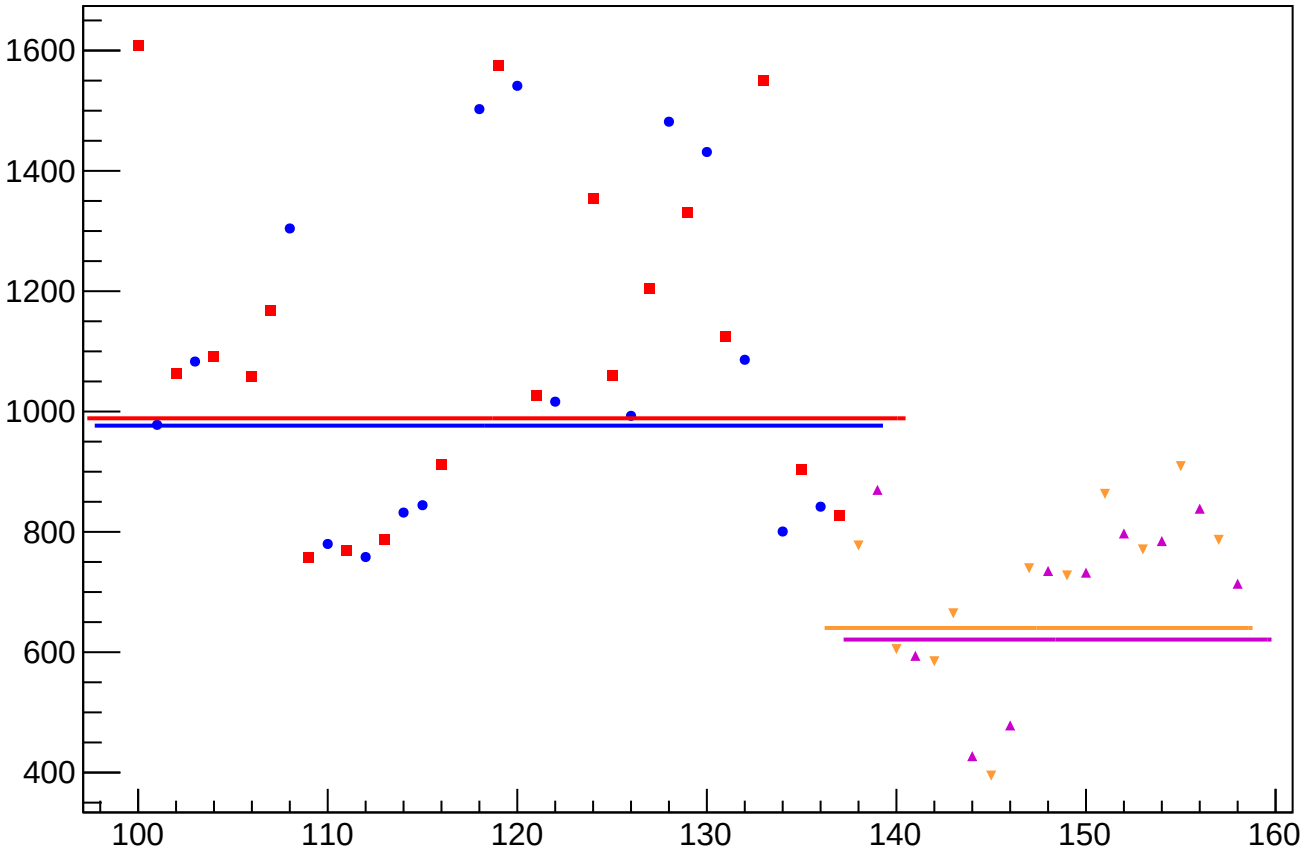
Left: -361.567+/-156.900 χ^2/NDF: 51.8/20

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -5.852+/-188.607 χ^2/NDF:33.2/25

Out: -429.349+/-193.034 χ^2/NDF:62.8/29

All: -212.688+/-134.904 χ^2/NDF: 98.5/55



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 640.298+/-0.160 χ^2/NDF:1086392.8/10

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 621.022+/-0.154 χ^2/NDF:1030677.9/9

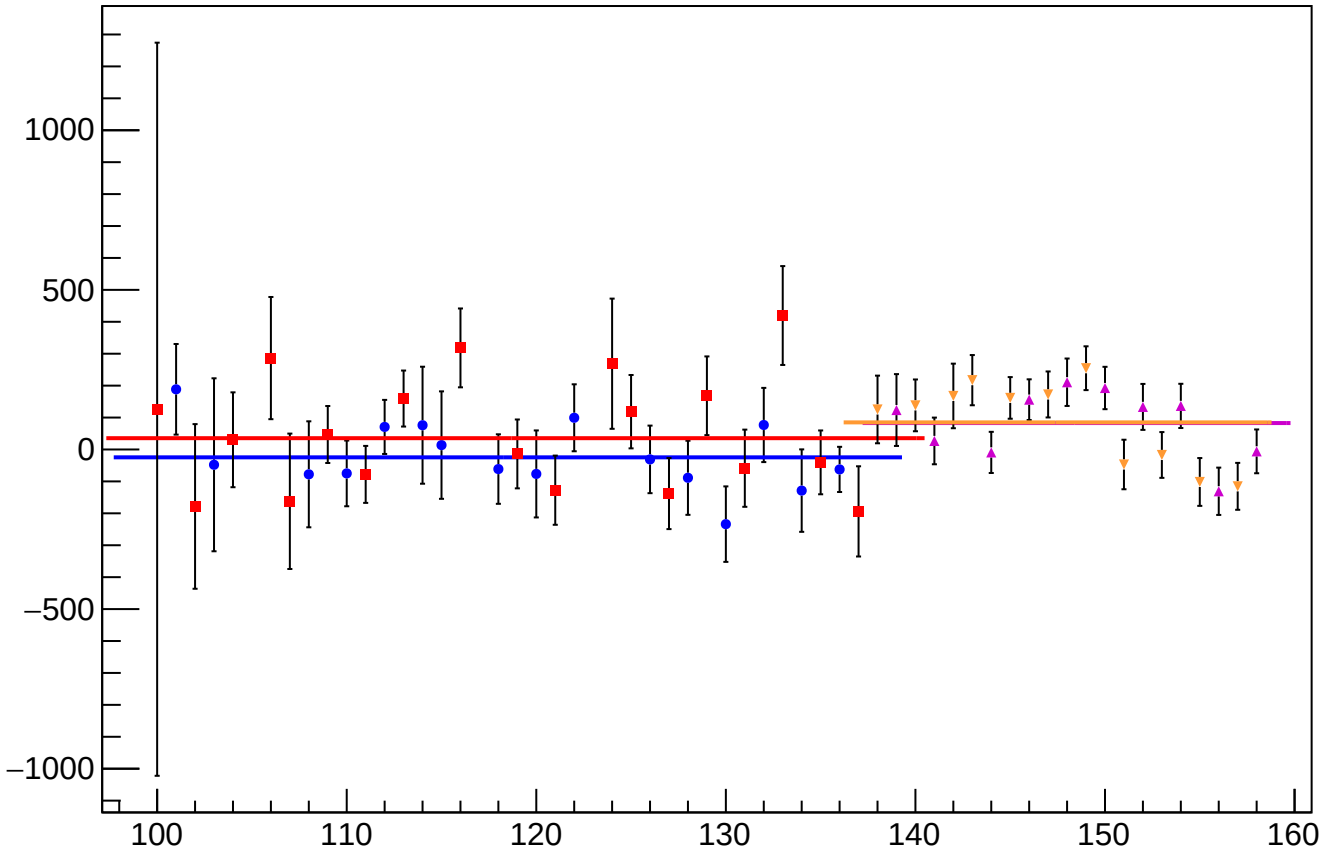
Left: 630.332+/-0.111 χ^2/NDF: 2124608.4/20

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 710.951+/-0.133 χ^2/NDF:3110332.0/25

Out: 734.008+/-0.136 χ^2/NDF:3083453.4/29

All: 722.212+/-0.095 χ^2/NDF: 6208383.6/55



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 84.868+/-23.156 χ^2/NDF:31.6/10

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 82.766+/-22.603 χ^2/NDF:20.9/9

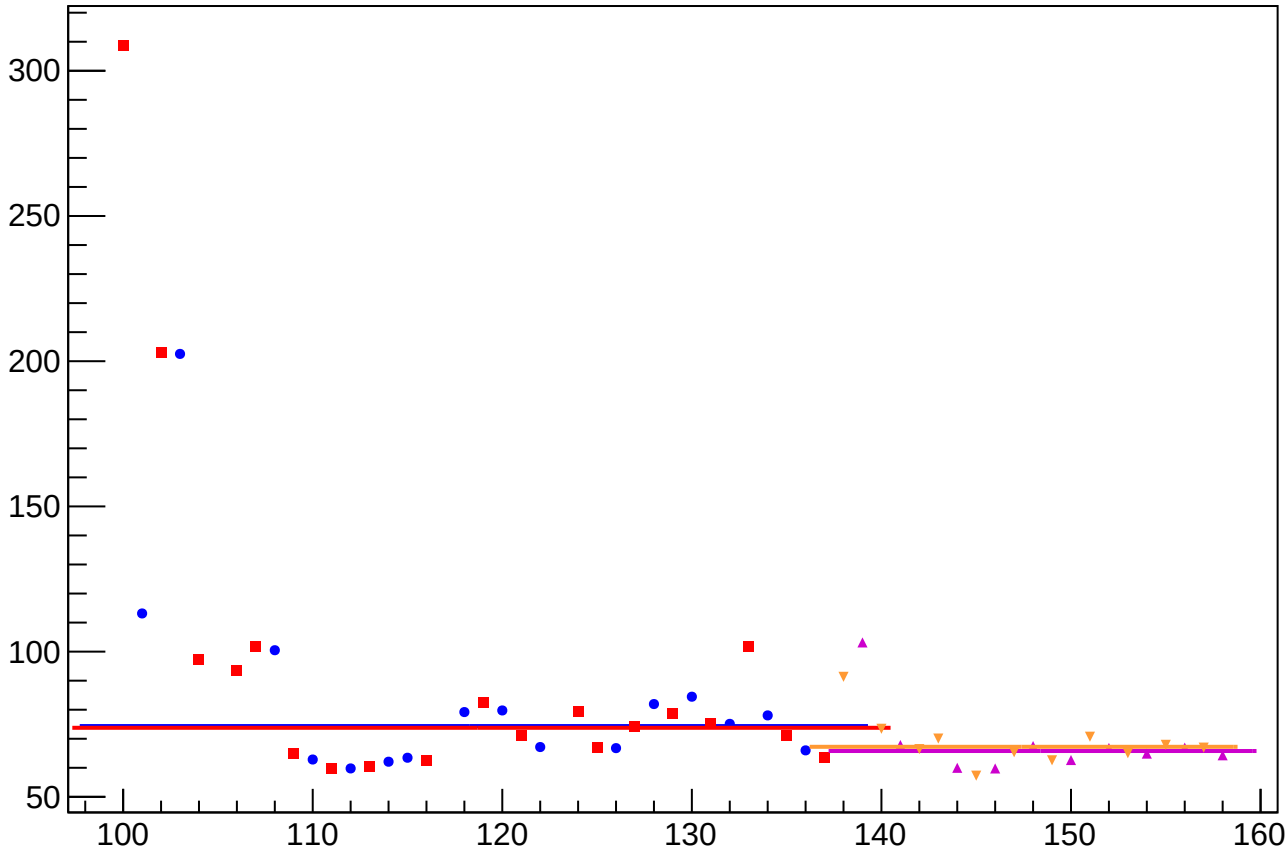
Left: 83.791+/-16.174 χ^2/NDF: 52.5/20

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 42.024+/-17.807 χ^2/NDF:40.4/25

Out: 65.155+/-17.961 χ^2/NDF:63.5/29

All: 53.490+/-12.646 χ^2/NDF: 104.7/55



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.229+/-0.016 χ^2/NDF:180929.0/10

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.779+/-0.016 χ^2/NDF:263866.5/9

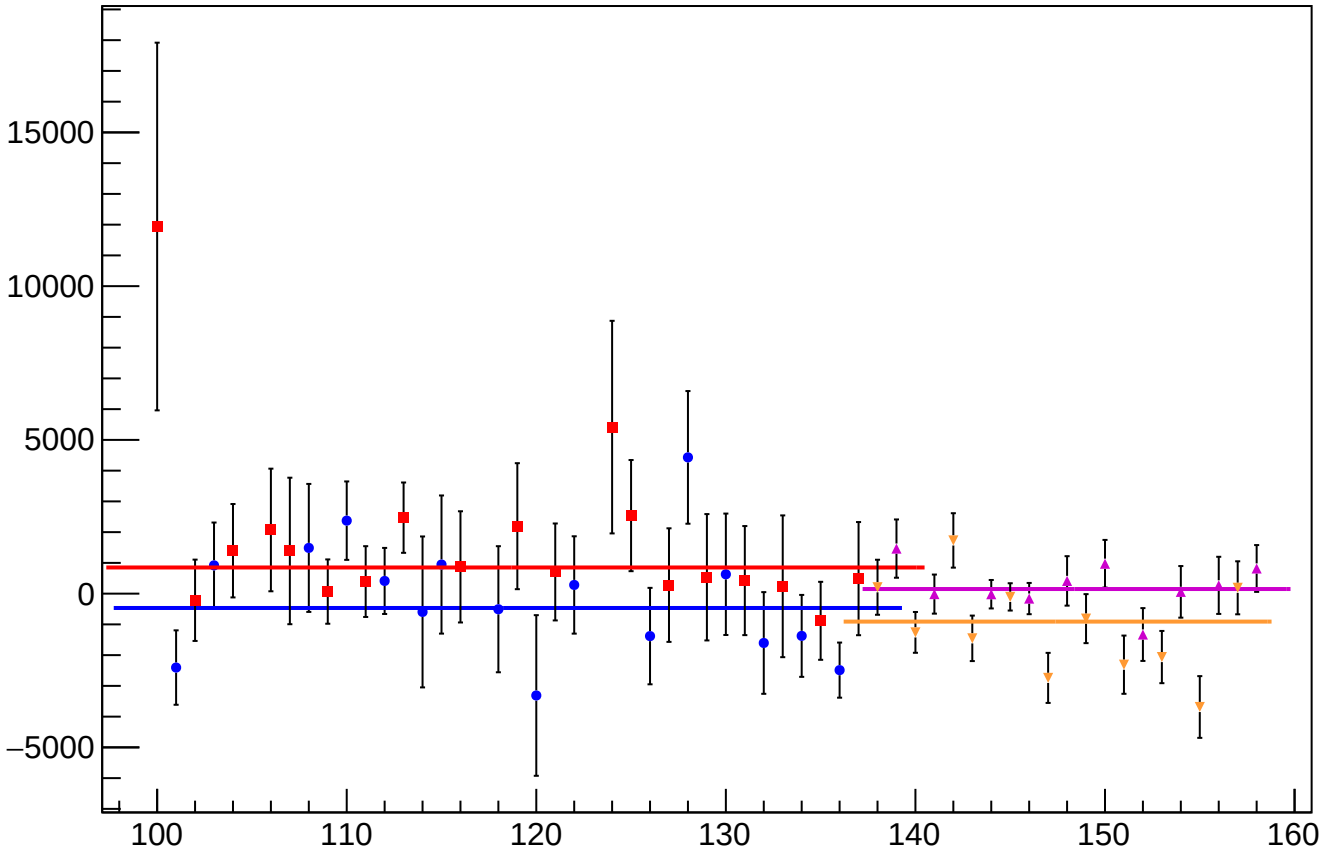
Left: 66.486+/-0.011 χ^2/NDF: 448814.6/20

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.037+/-0.013 χ^2/NDF:1201034.1/25

Out: 69.836+/-0.013 χ^2/NDF:1172721.4/29

All: 69.433+/-0.009 χ^2/NDF: 2375750.6/55



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -909.269+/-225.763 χ^2/NDF:32.9/10

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 150.109+/-218.210 χ^2/NDF:7.5/9

Left: -361.563+/-156.900 χ^2/NDF: 51.8/20

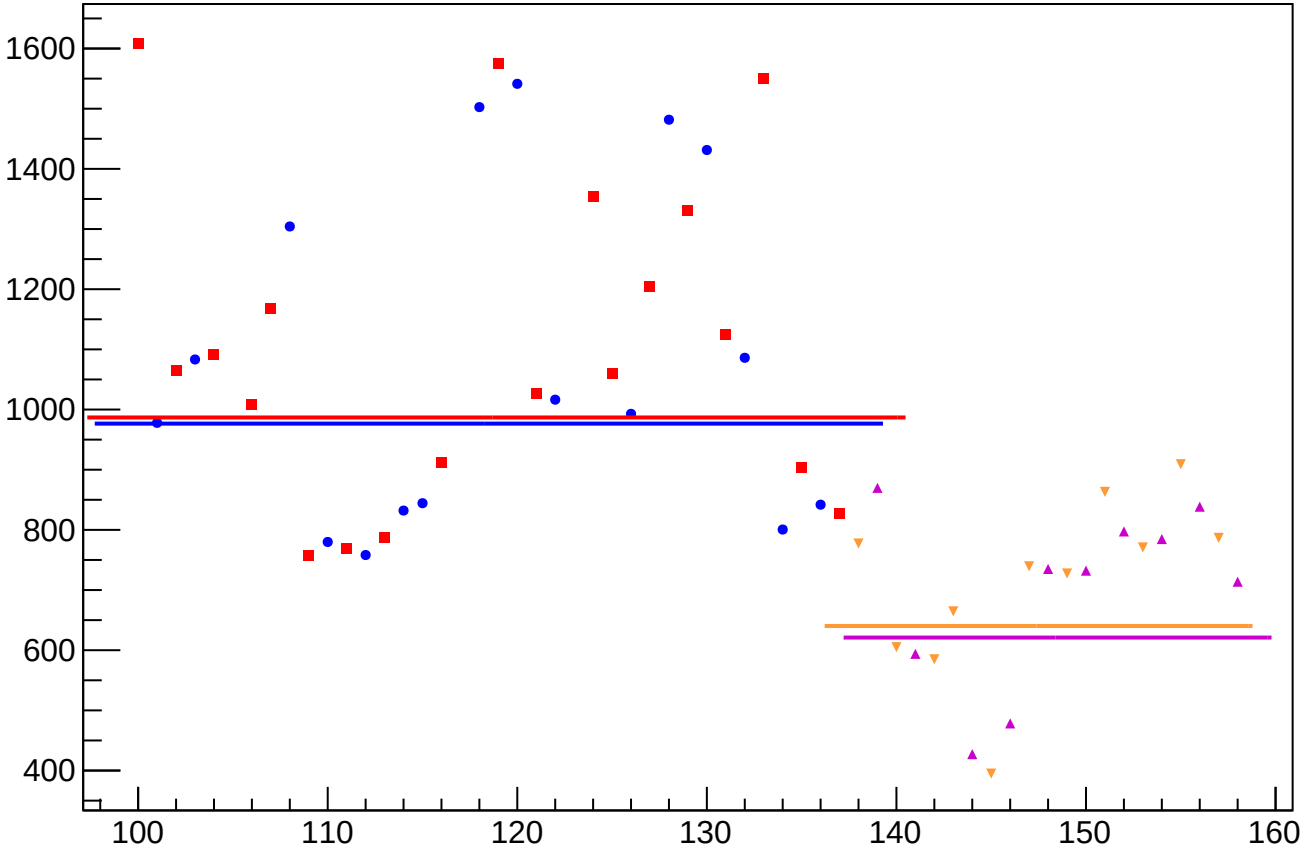
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -5.845+/-188.608 χ^2/NDF:33.2/25

Out: -437.543+/-193.153 χ^2/NDF:61.8/29

All: -216.555+/-134.944 χ^2/NDF: 97.6/55

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 640.297+/-0.160 χ^2/NDF:1086393.2/10

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 621.022+/-0.154 χ^2/NDF:1030678.9/9

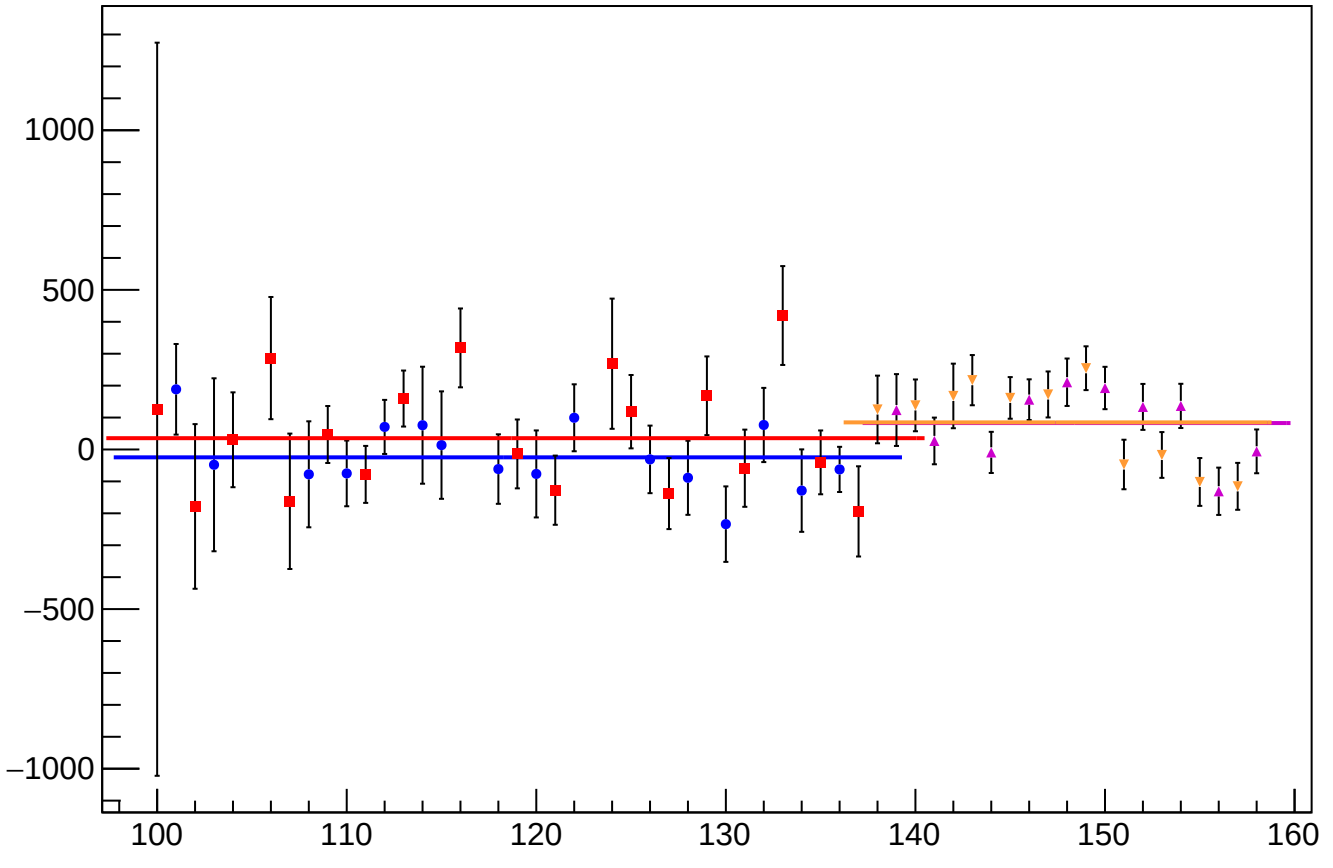
Left: 630.332+/-0.111 χ^2/NDF: 2124609.7/20

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 710.951+/-0.133 χ^2/NDF:3110387.1/25

Out: 733.174+/-0.137 χ^2/NDF:3062603.4/29

All: 721.798+/-0.095 χ^2/NDF: 6186543.2/55



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 84.868+/-23.156 χ^2/NDF:31.6/10

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 82.766+/-22.603 χ^2/NDF:20.9/9

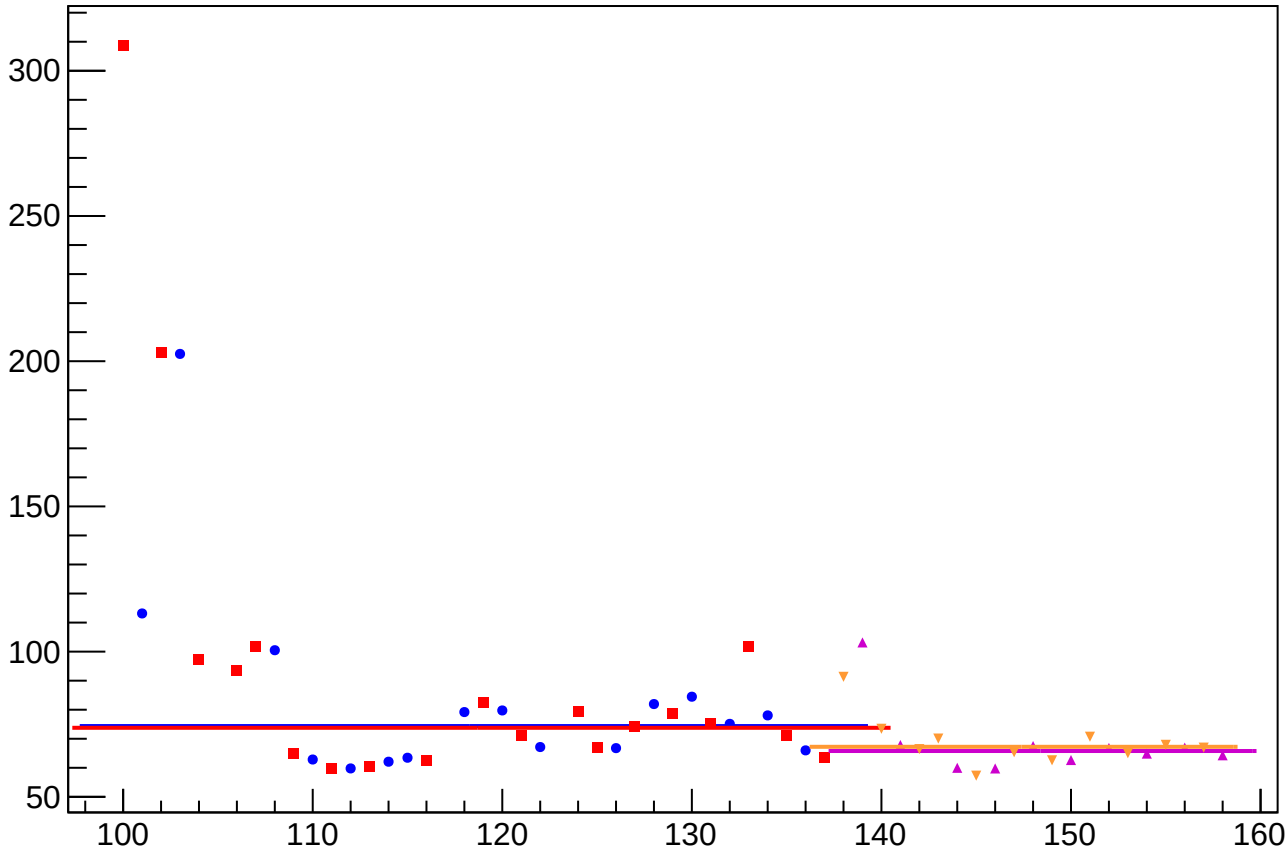
Left: 83.791+/-16.174 χ^2/NDF: 52.5/20

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 42.024+/-17.807 χ^2/NDF:40.4/25

Out: 65.155+/-17.961 χ^2/NDF:63.5/29

All: 53.490+/-12.646 χ^2/NDF: 104.7/55



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.229+/-0.016 χ^2/NDF:180929.0/10

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.779+/-0.016 χ^2/NDF:263866.5/9

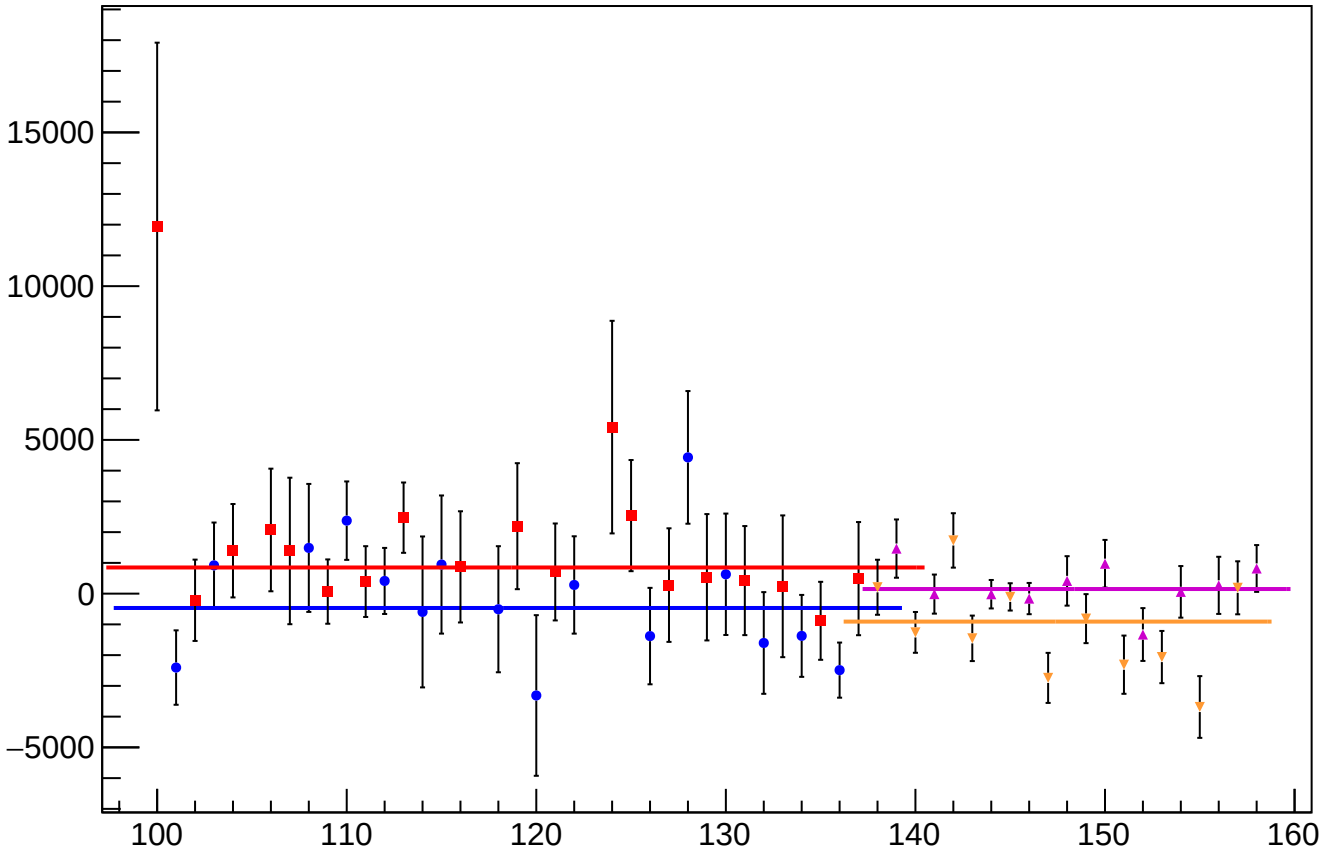
Left: 66.486+/-0.011 χ^2/NDF: 448814.6/20

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.037+/-0.013 χ^2/NDF:1201034.1/25

Out: 69.836+/-0.013 χ^2/NDF:1172721.4/29

All: 69.433+/-0.009 χ^2/NDF: 2375750.6/55



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -909.269+/-225.763 χ^2/NDF:32.9/10

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 150.109+/-218.210 χ^2/NDF:7.5/9

Left: -361.563+/-156.900 χ^2/NDF: 51.8/20

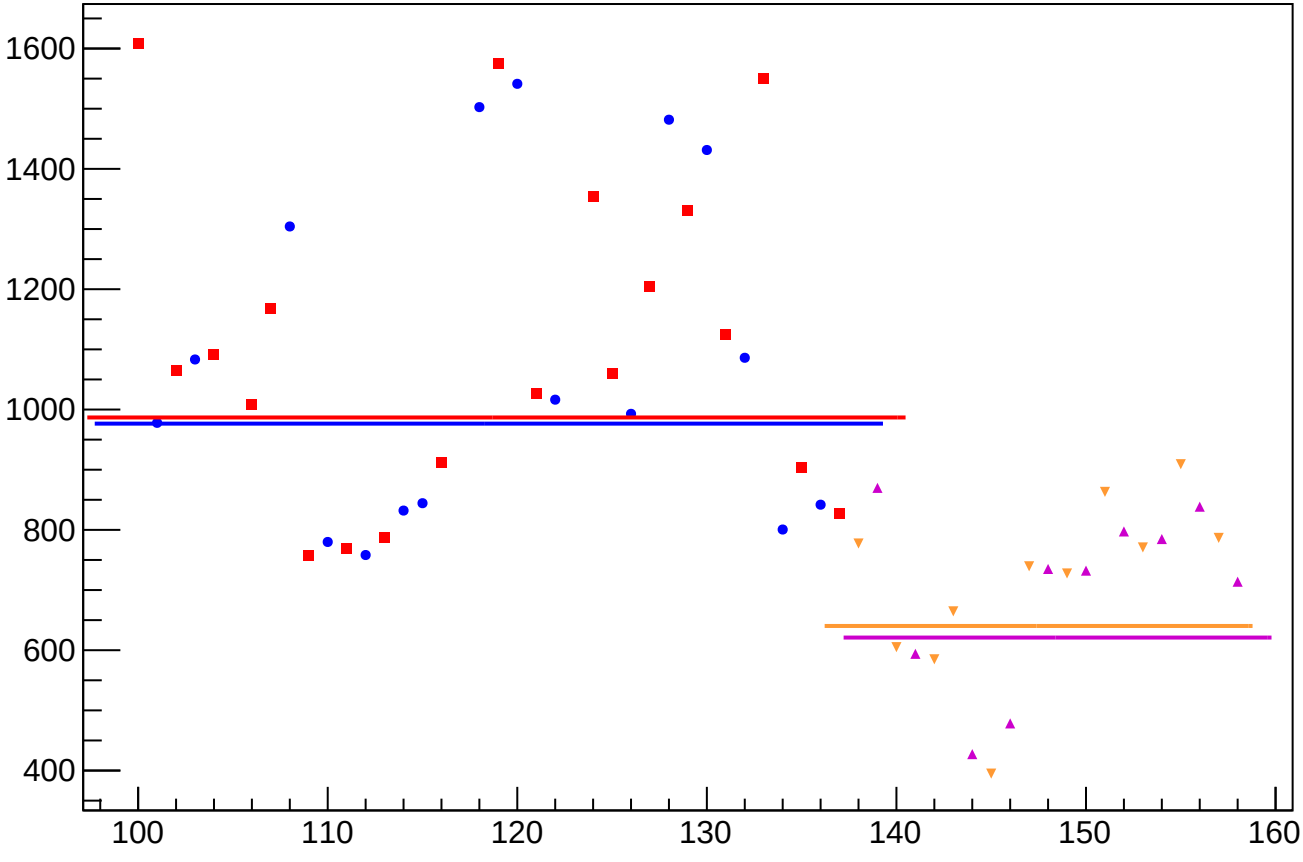
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -5.845+/-188.608 χ^2/NDF:33.2/25

Out: -437.543+/-193.153 χ^2/NDF:61.8/29

All: -216.555+/-134.944 χ^2/NDF: 97.6/55

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 640.297+/-0.160 χ^2/NDF:1086393.2/10

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 621.022+/-0.154 χ^2/NDF:1030678.9/9

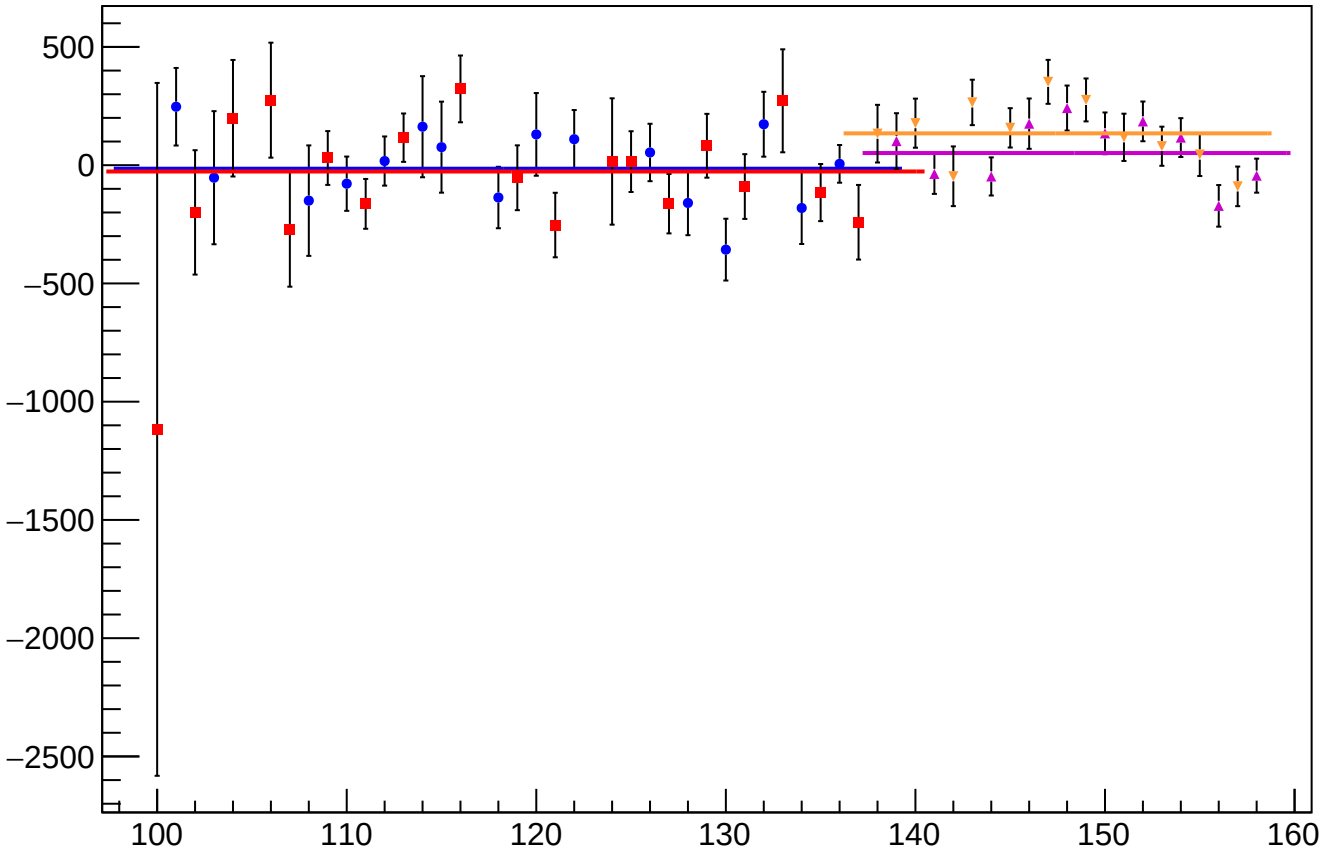
Left: 630.332+/-0.111 χ^2/NDF: 2124609.7/20

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 710.951+/-0.133 χ^2/NDF:3110387.1/25

Out: 733.174+/-0.137 χ^2/NDF:3062603.4/29

All: 721.798+/-0.095 χ^2/NDF: 6186543.2/55



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 134.580+/-28.594 χ^2/NDF:20.7/10

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 51.388+/-27.678 χ^2/NDF:20.4/9

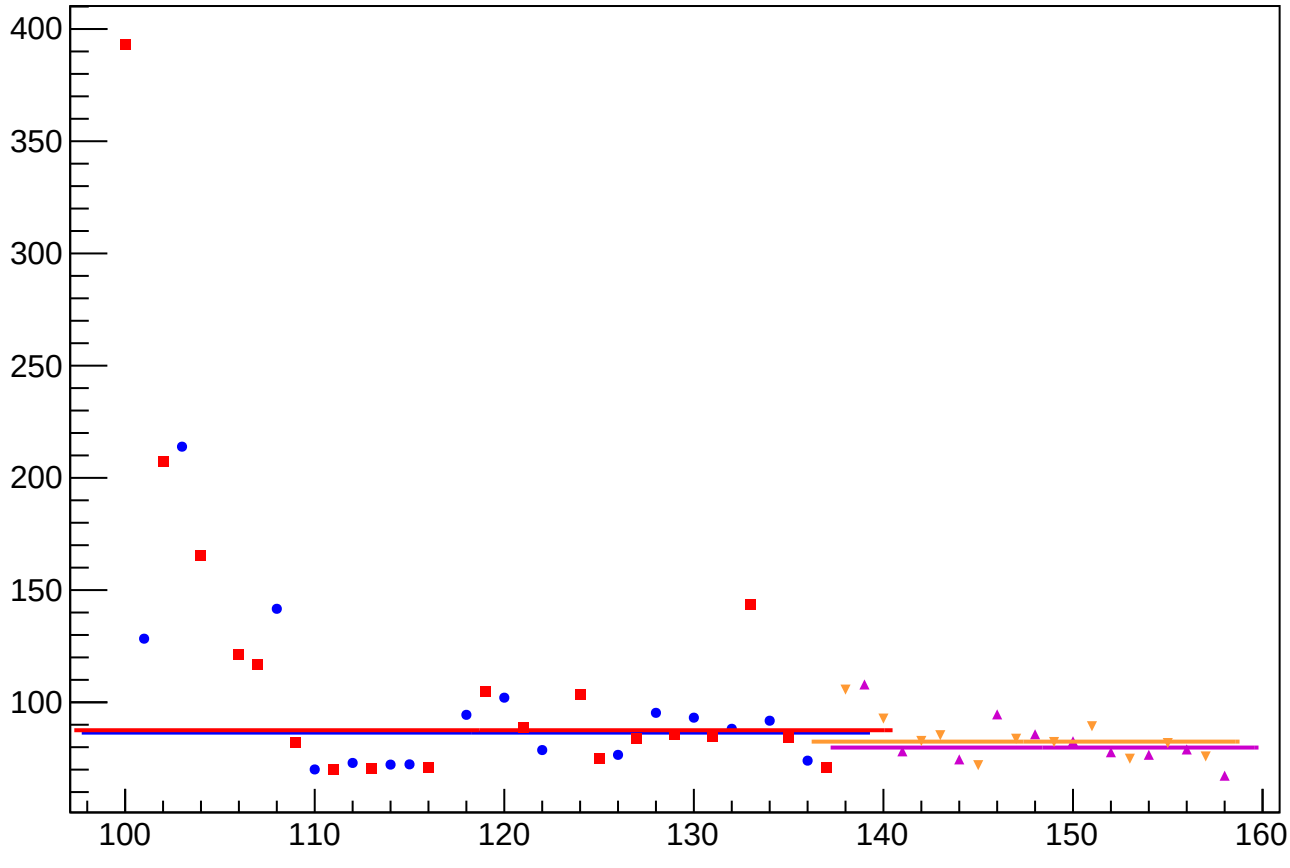
Left: 91.631+/-19.887 χ^2/NDF: 45.5/20

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 24.722+/-21.404 χ^2/NDF:41.0/25

Out: 67.952+/-21.903 χ^2/NDF:57.4/29

All: 45.839+/-15.309 χ^2/NDF: 100.4/55



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 82.479+/-0.020 χ^2/NDF:164687.1/10

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 79.833+/-0.020 χ^2/NDF:236560.8/9

Left: 81.113+/-0.014 χ^2/NDF: 410088.7/20

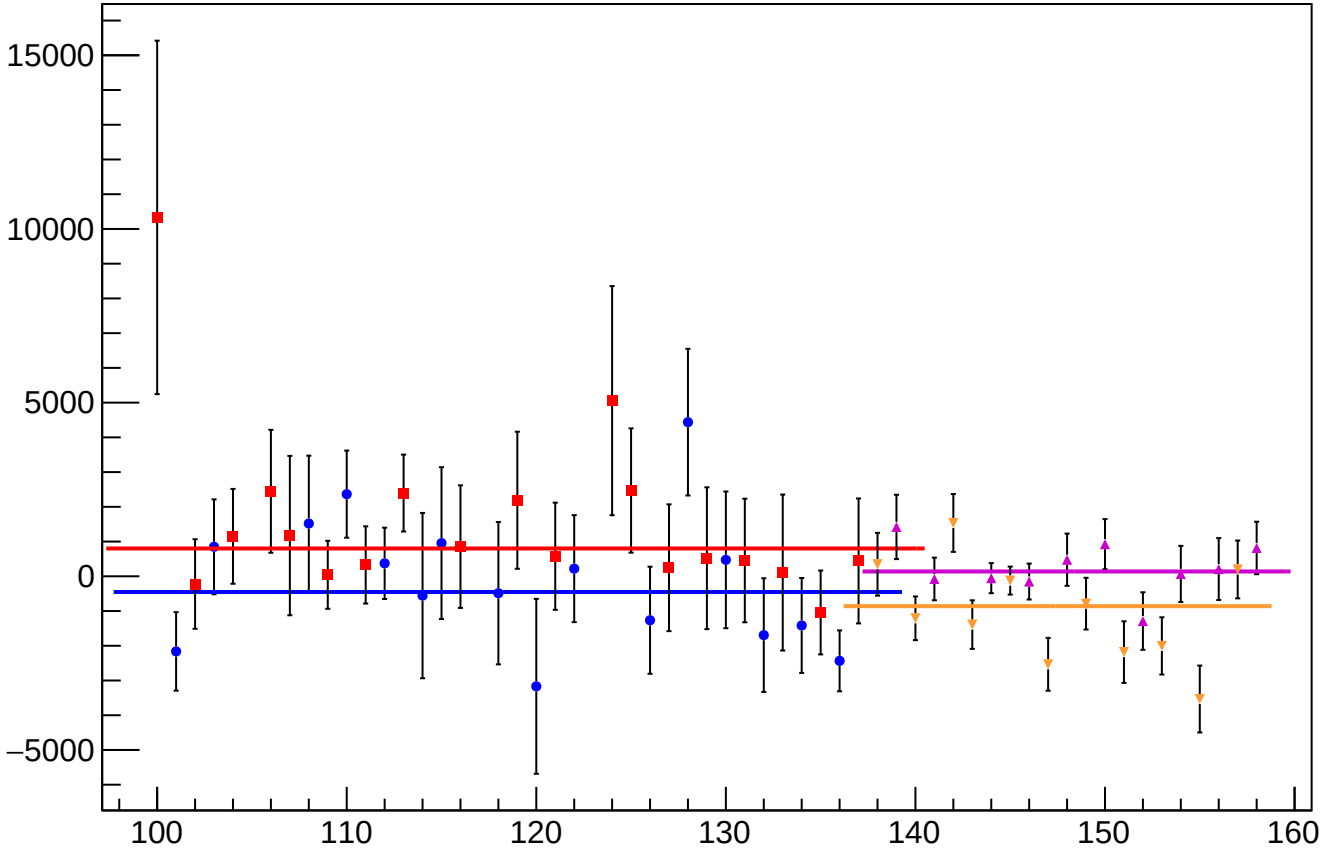
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 82.509+/-0.015 χ^2/NDF:1139305.7/25

Out: 84.576+/-0.015 χ^2/NDF:1320520.4/29

All: 83.519+/-0.011 χ^2/NDF: 2468944.7/55

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -859.693+/-212.270 χ^2/NDF:32.6/10

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 139.025+/-210.396 χ^2/NDF:7.7/9

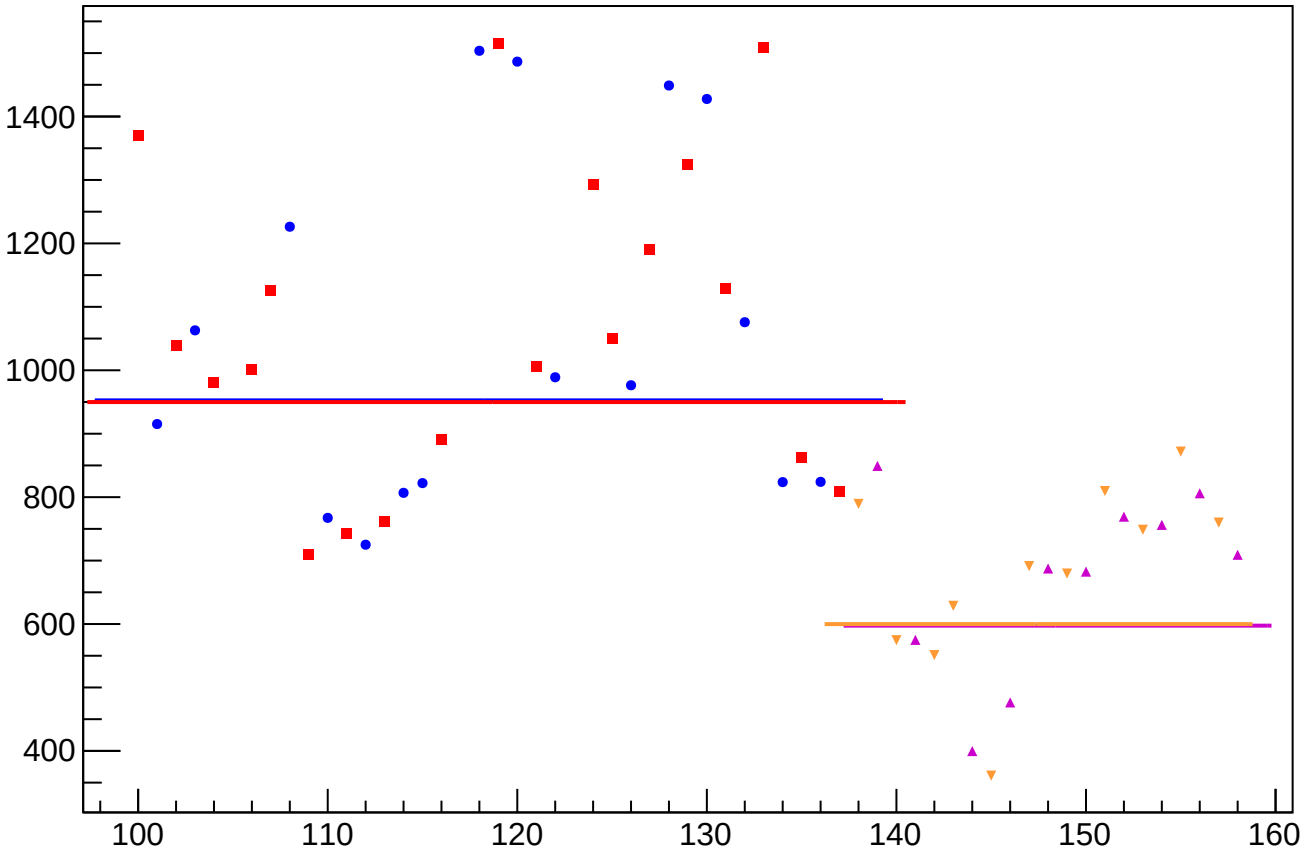
Left: -355.907+/-149.431 χ^2/NDF: 51.5/20

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -7.857+/-182.356 χ^2/NDF:33.4/25

Out: -427.422+/-182.569 χ^2/NDF:62.1/29

All: -217.395+/-129.020 χ^2/NDF: 98.2/55



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 599.853+/-0.150 χ^2/NDF:1265414.9/10

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 597.443+/-0.149 χ^2/NDF:1050878.2/9

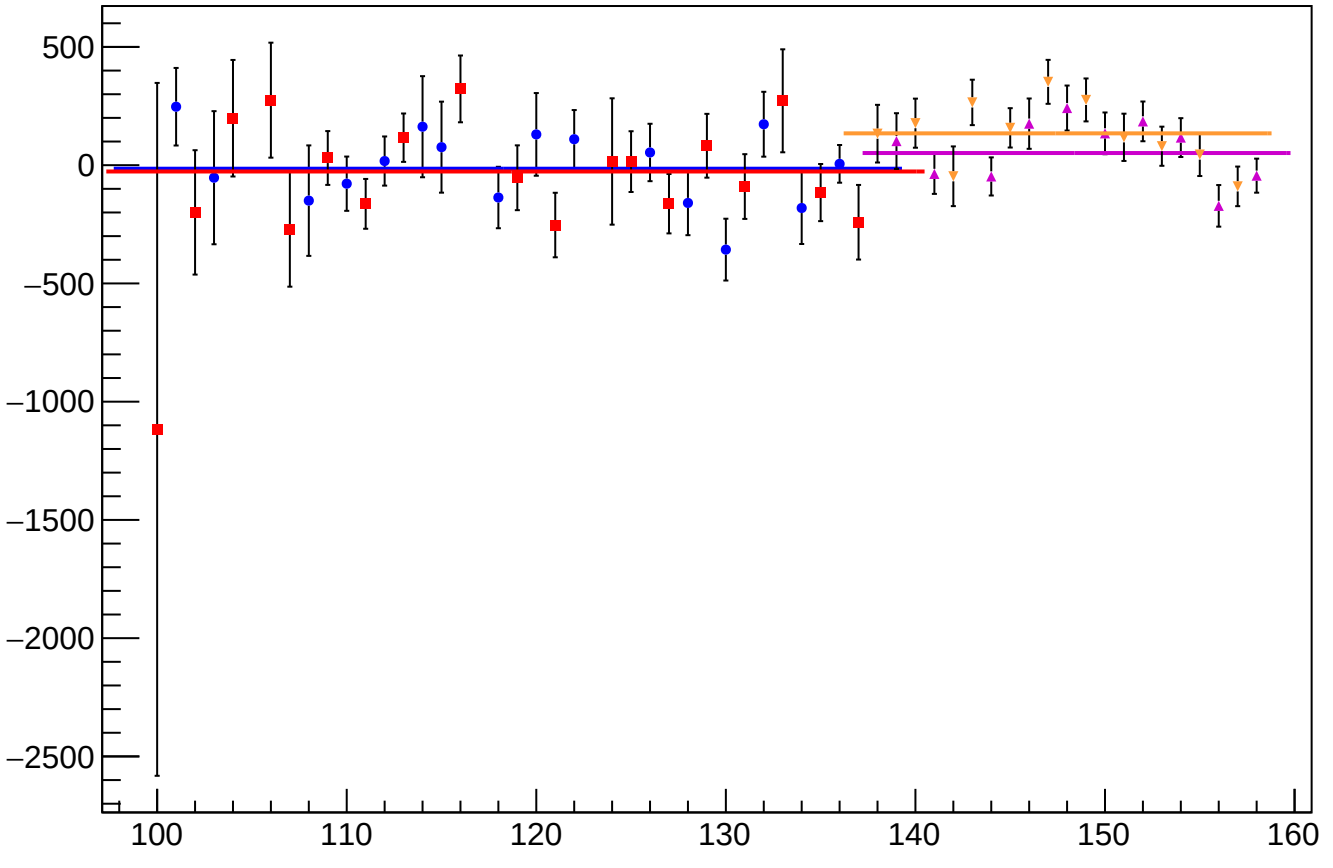
Left: 598.637+/-0.106 χ^2/NDF: 2316423.1/20

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 685.787+/-0.129 χ^2/NDF:3214622.8/25

Out: 690.955+/-0.129 χ^2/NDF:3432554.1/29

All: 688.368+/-0.091 χ^2/NDF: 6647979.0/55



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 134.582+/-28.594 χ^2/NDF:20.7/10

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 51.388+/-27.678 χ^2/NDF:20.4/9

Left: 91.631+/-19.888 χ^2/NDF: 45.5/20

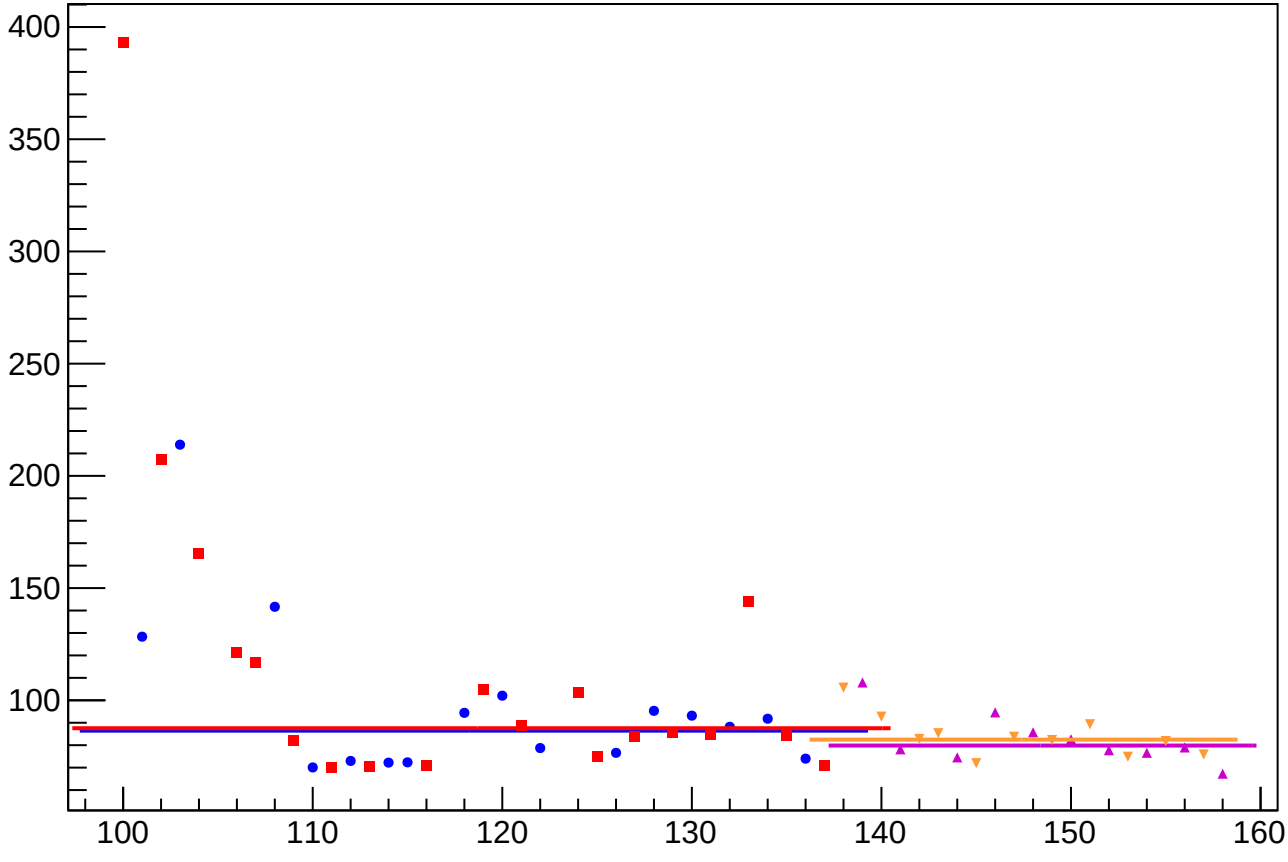
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 24.721+/-21.405 χ^2/NDF:41.0/25

Out: 67.952+/-21.903 χ^2/NDF:57.4/29

All: 45.839+/-15.309 χ^2/NDF: 100.4/55

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 82.480+/-0.020 χ^2/NDF:164684.3/10

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 79.834+/-0.020 χ^2/NDF:236560.0/9

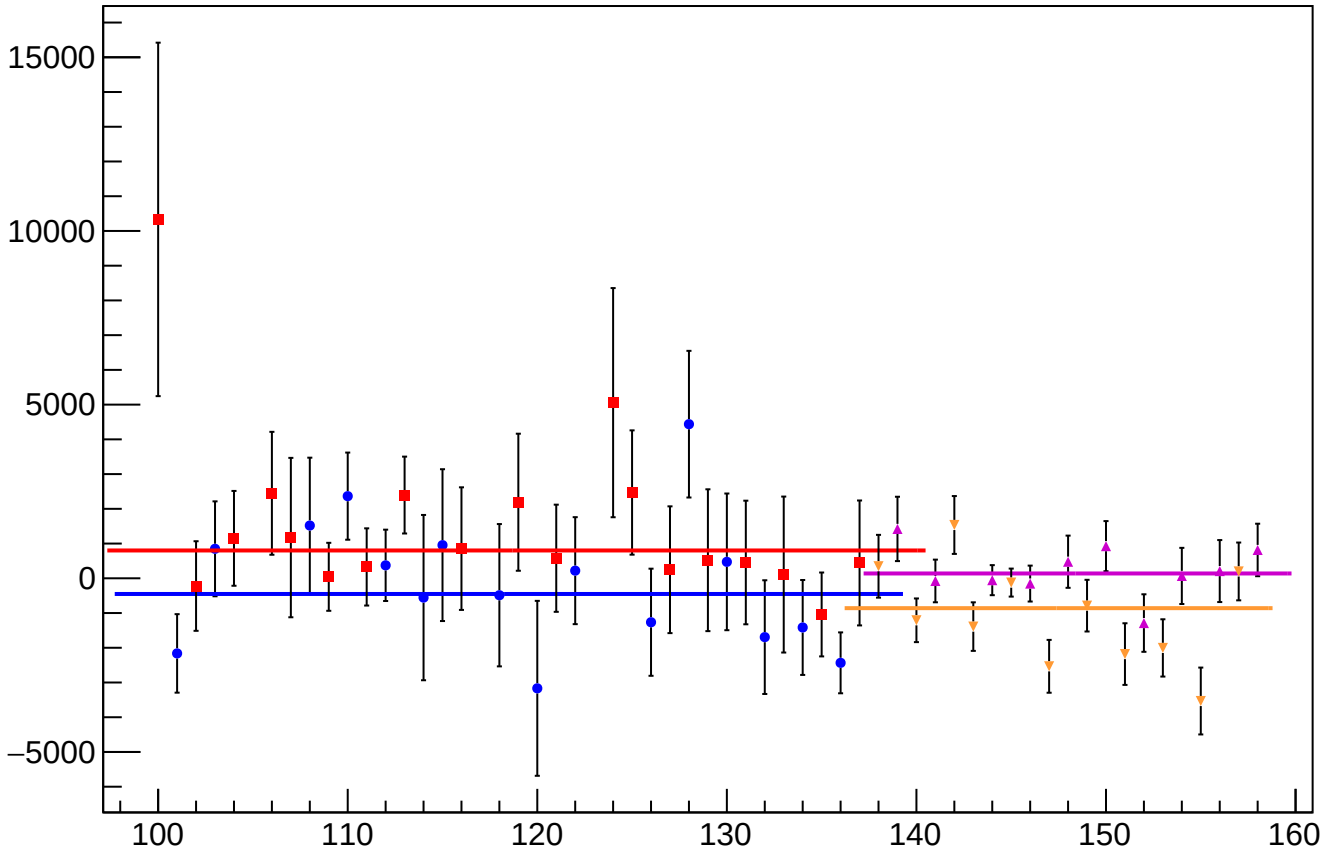
Left: 81.114+/-0.014 χ^2/NDF: 410086.2/20

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 82.509+/-0.015 χ^2/NDF:1139296.6/25

Out: 84.577+/-0.015 χ^2/NDF:1320514.5/29

All: 83.519+/-0.011 χ^2/NDF: 2468930.8/55



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -859.694+/-212.269 χ^2/NDF:32.6/10

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 139.024+/-210.396 χ^2/NDF:7.7/9

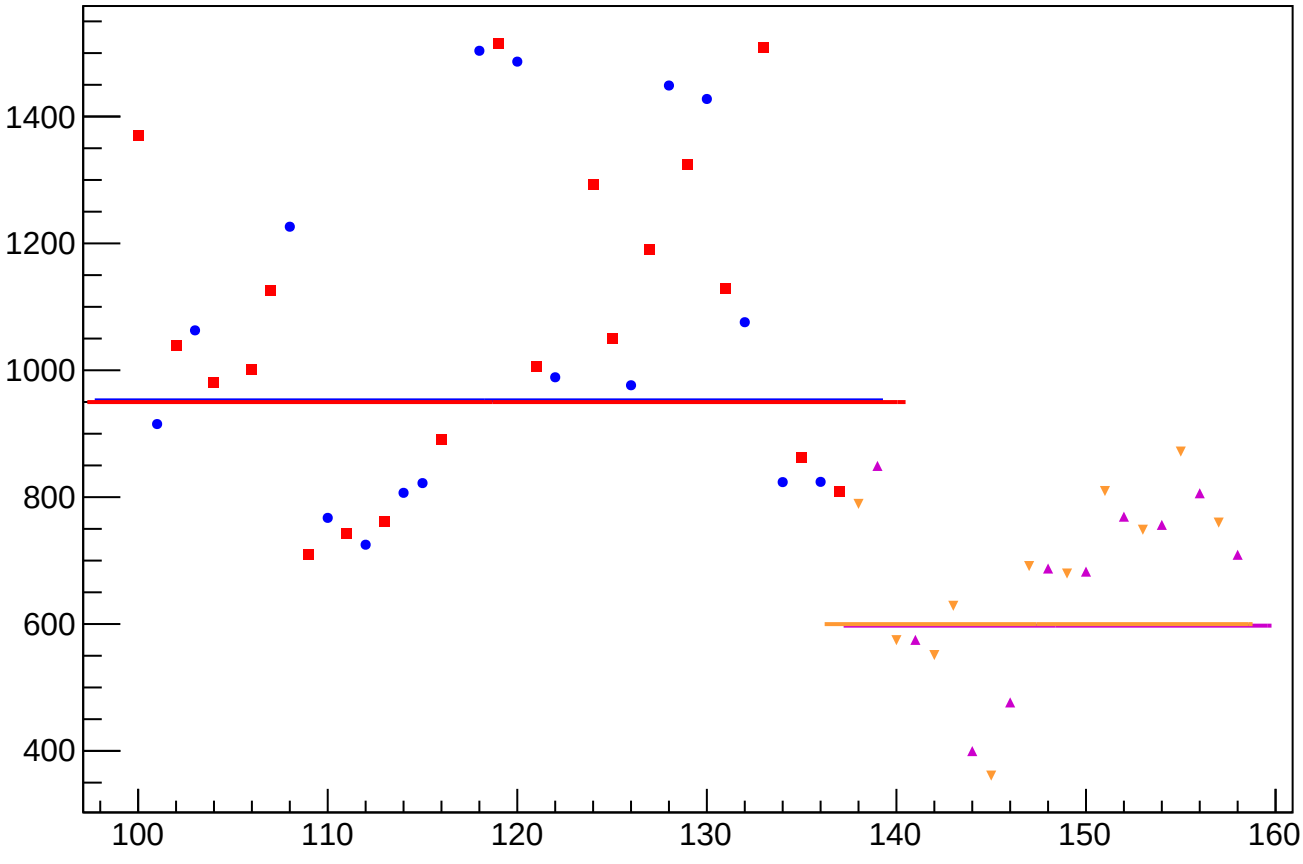
Left: -355.908+/-149.430 χ^2/NDF: 51.5/20

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -7.857+/-182.356 χ^2/NDF:33.4/25

Out: -427.422+/-182.569 χ^2/NDF:62.1/29

All: -217.395+/-129.020 χ^2/NDF: 98.2/55



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 599.852+/-0.150 χ^2/NDF:1265416.1/10

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 597.443+/-0.149 χ^2/NDF:1050877.7/9

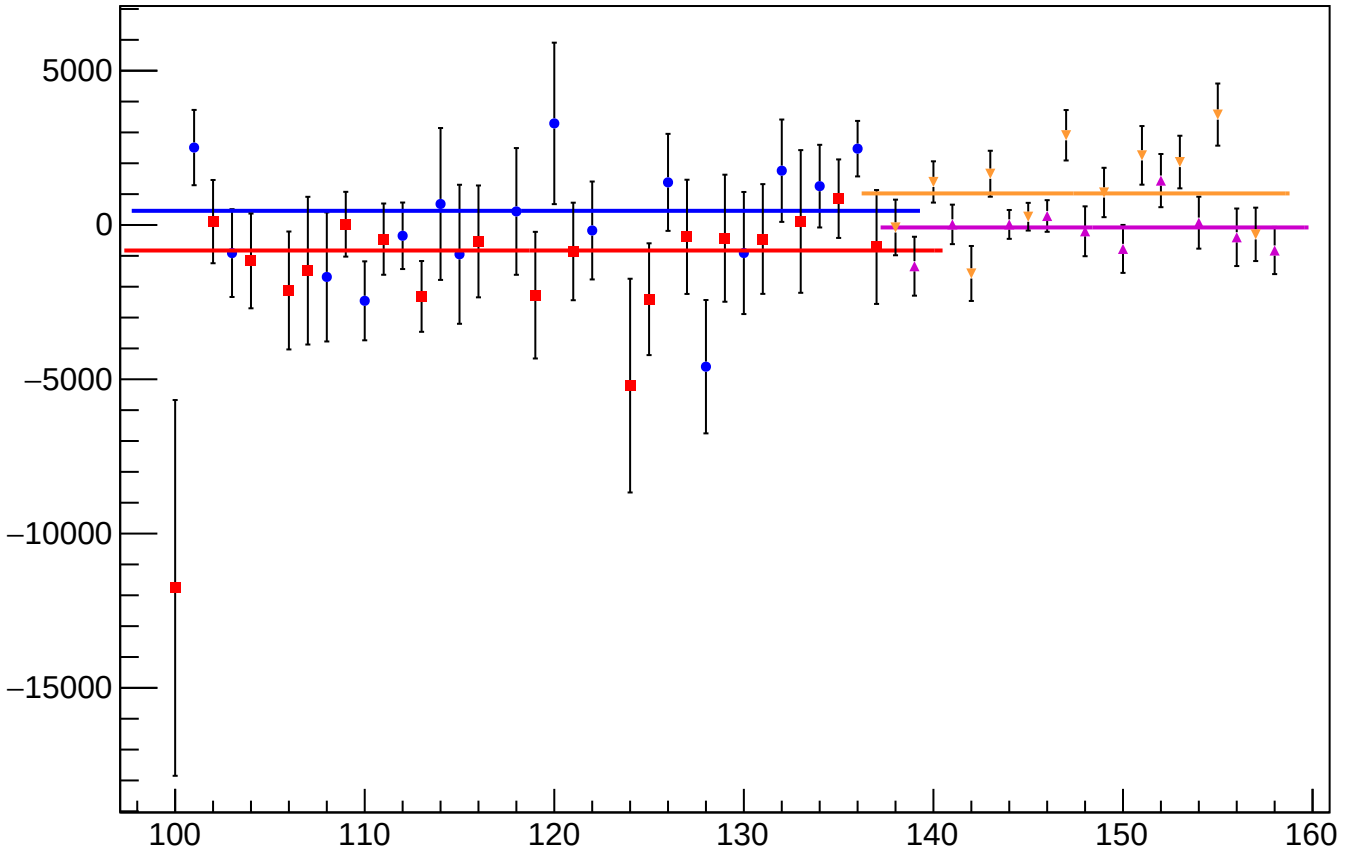
Left: 598.637+/-0.106 χ^2/NDF: 2316423.8/20

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 685.786+/-0.129 χ^2/NDF:3214619.9/25

Out: 690.954+/-0.129 χ^2/NDF:3432550.9/29

All: 688.367+/-0.091 χ^2/NDF: 6647972.9/55



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1022.961+/-227.269 χ^2/NDF:31.1/10

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -79.452+/-219.670 χ^2/NDF:7.4/9

Left: 453.016+/-157.948 χ^2/NDF: 50.6/20

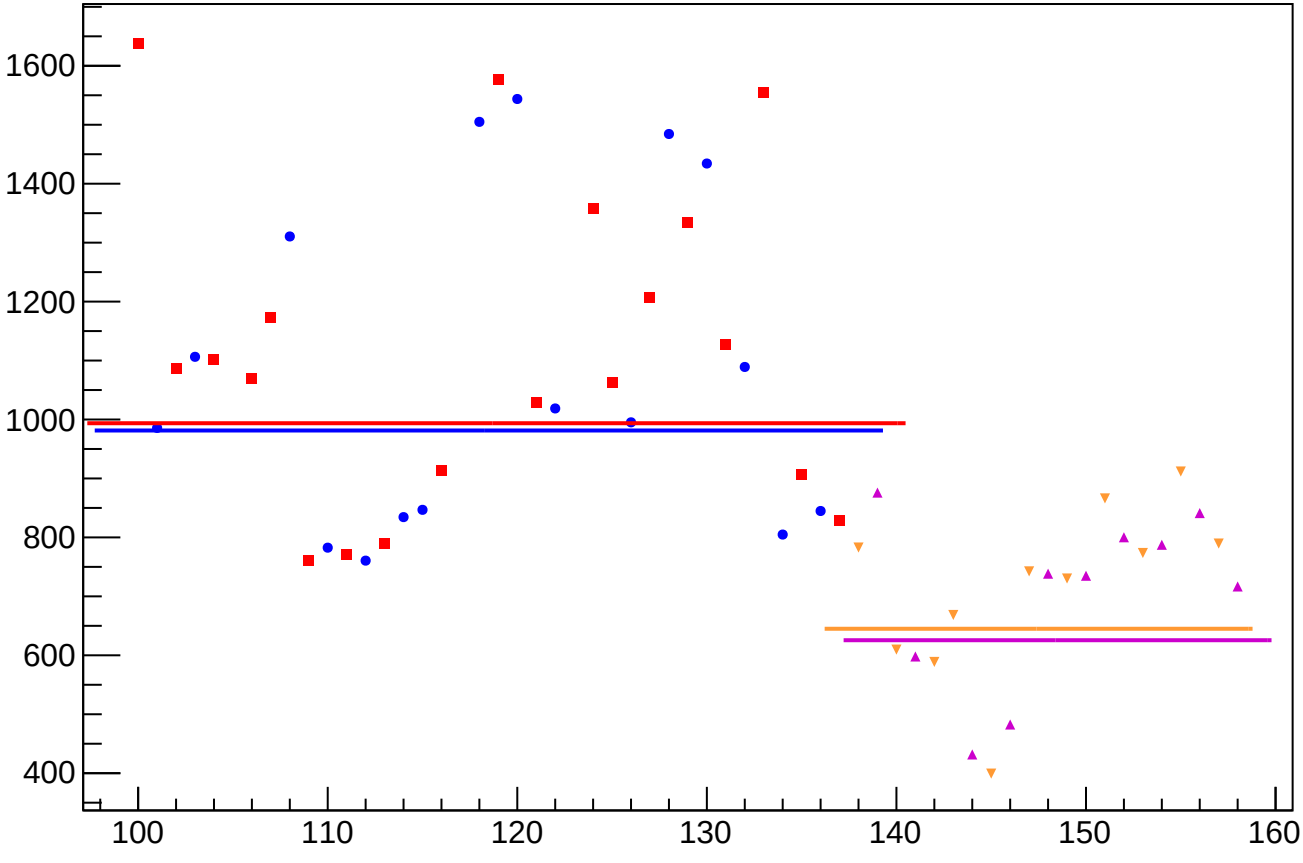
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 57.128+/-189.784 χ^2/NDF:33.4/25

Out: 524.663+/-194.255 χ^2/NDF:60.6/29

All: 285.453+/-135.751 χ^2/NDF: 97.0/55

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 645.022+/-0.161 χ^2/NDF:1062561.3/10

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 625.585+/-0.155 χ^2/NDF:1010459.0/9

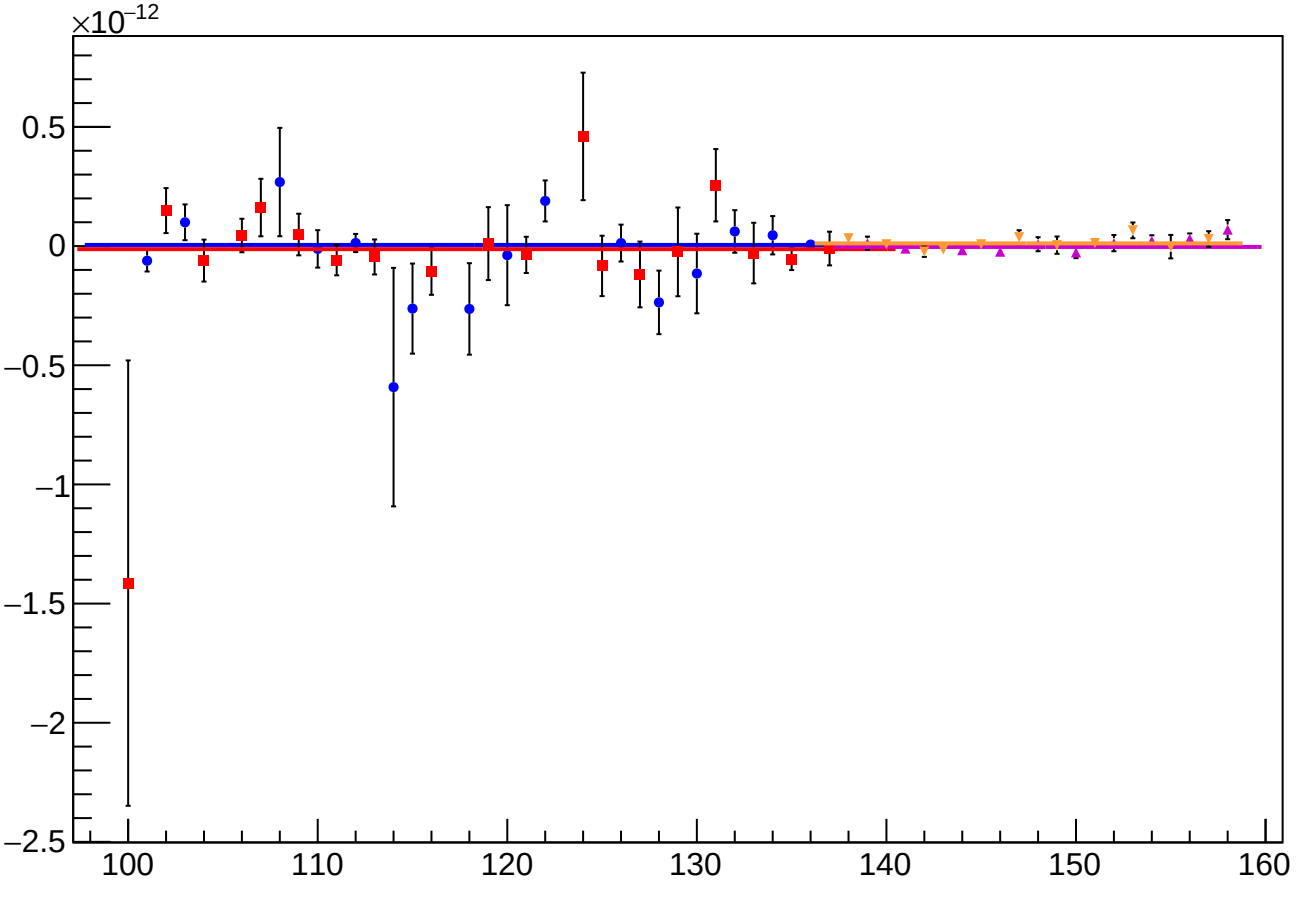
Left: 634.973+/-0.112 χ^2/NDF: 2080583.3/20

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 715.803+/-0.134 χ^2/NDF:3078360.7/25

Out: 738.960+/-0.137 χ^2/NDF:3050582.8/29

All: 727.112+/-0.096 χ^2/NDF: 6143485.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.2/9

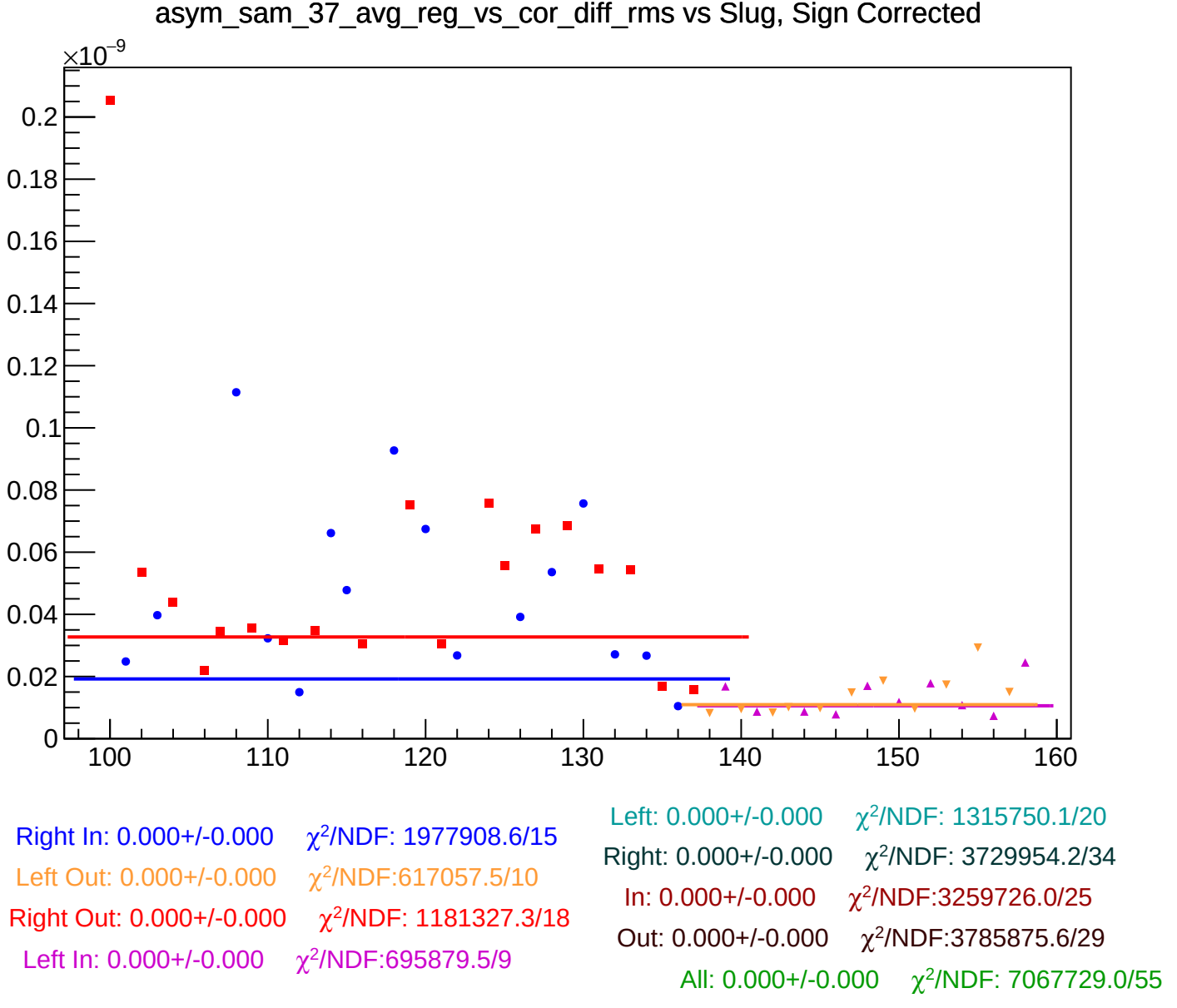
Left: 0.000+/-0.000 χ^2/NDF: 23.1/20

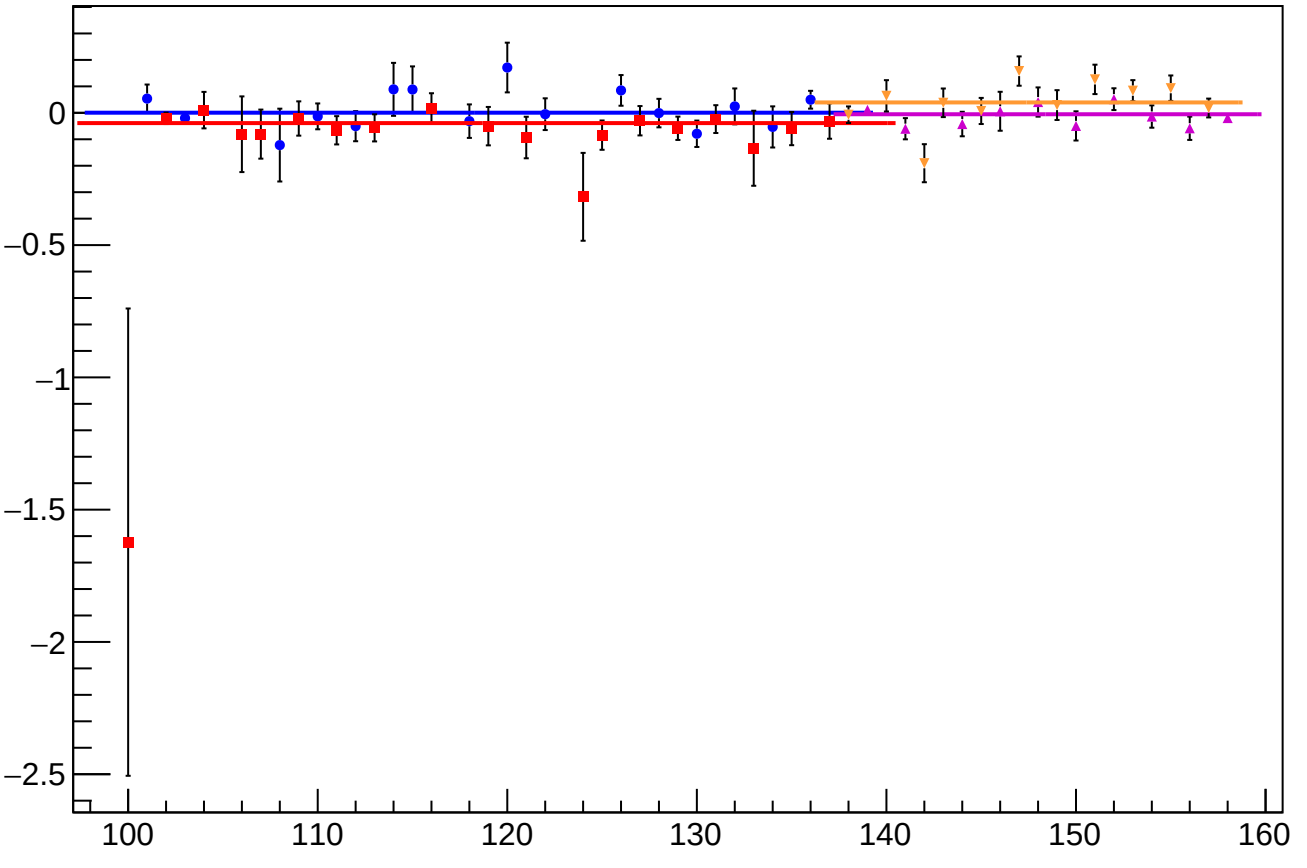
Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:31.1/25

Out: 0.000+/-0.000 χ^2/NDF:29.2/29

All: 0.000+/-0.000 χ^2/NDF: 61.9/55


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:617057.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:695879.5/9
Left: 0.000+/-0.000 χ²/NDF: 1315750.1/20
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:3259726.0/25
Out: 0.000+/-0.000 χ²/NDF:3785875.6/29
All: 0.000+/-0.000 χ²/NDF: 7067729.0/55



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.009 χ^2/NDF:9.4/9

Left: 0.008+/-0.008 χ^2/NDF: 39.5/20

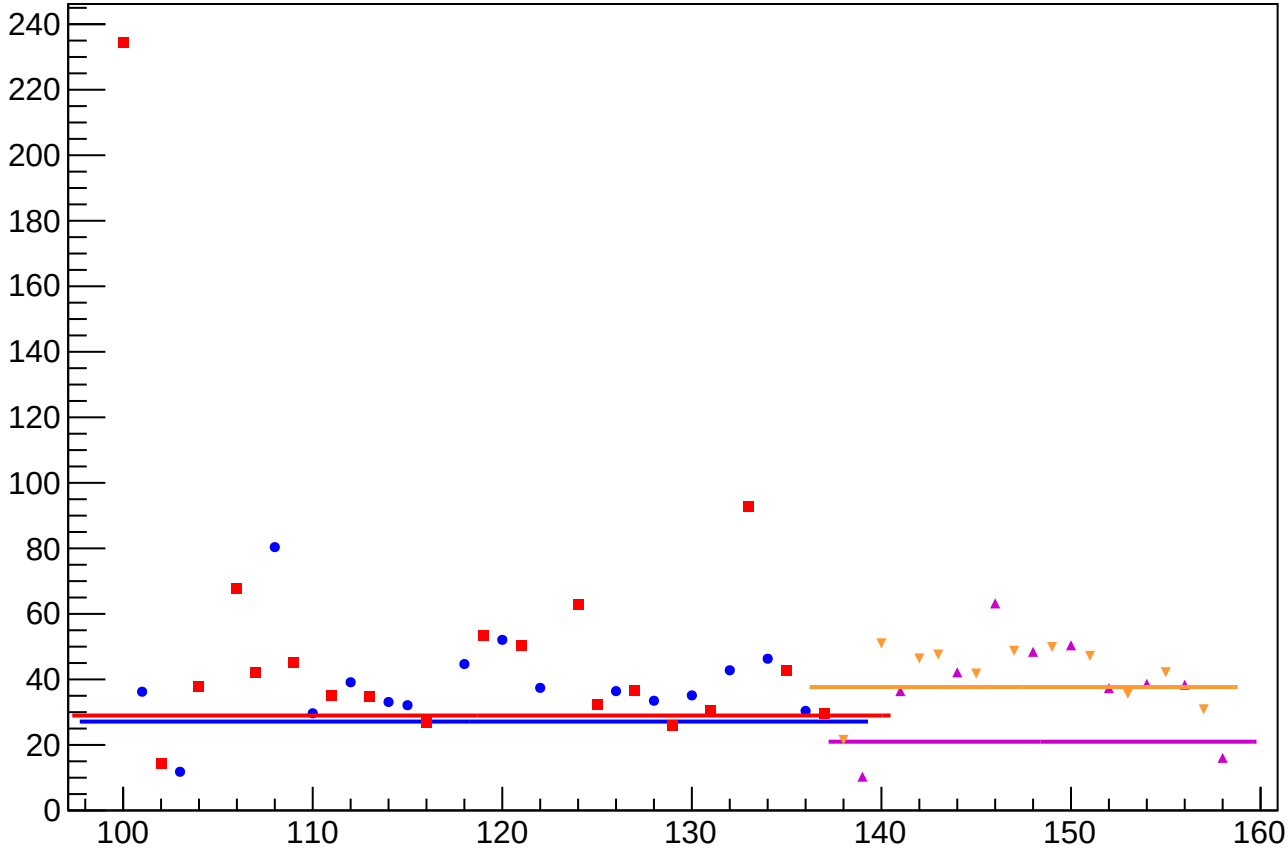
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.007 χ^2/NDF:26.1/25

Out: -0.004+/-0.009 χ^2/NDF:51.0/29

All: -0.004+/-0.006 χ^2/NDF: 77.1/55

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 37.671+/-0.010 χ^2/NDF:1068660.8/10

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.990+/-0.006 χ^2/NDF:4826145.2/9

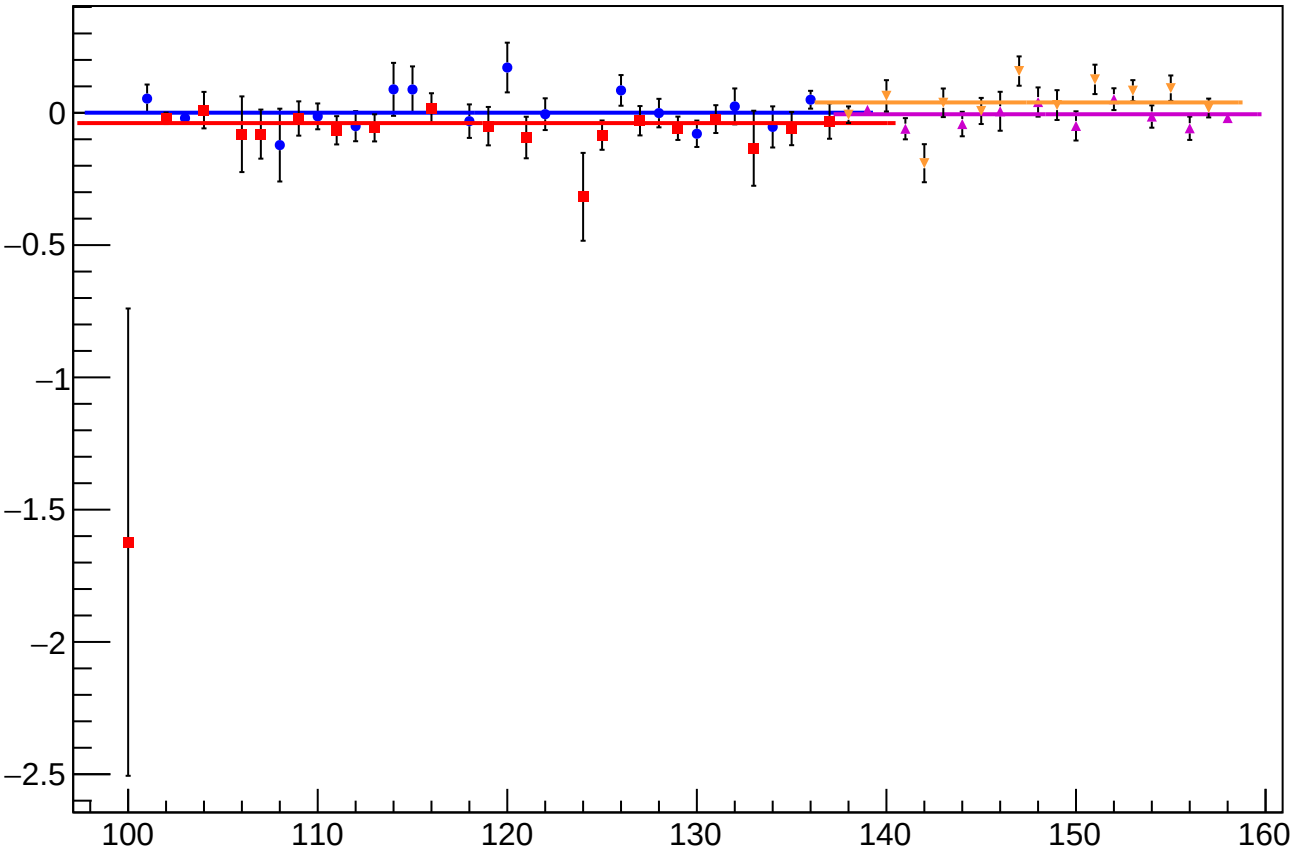
Left: 25.867+/-0.005 χ^2/NDF: 7887787.0/20

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.203+/-0.005 χ^2/NDF:7574229.8/25

Out: 32.864+/-0.007 χ^2/NDF:3947835.0/29

All: 26.792+/-0.004 χ^2/NDF: 12850444.4/55



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.009 χ^2/NDF:9.4/9

Left: 0.008+/-0.008 χ^2/NDF: 39.5/20

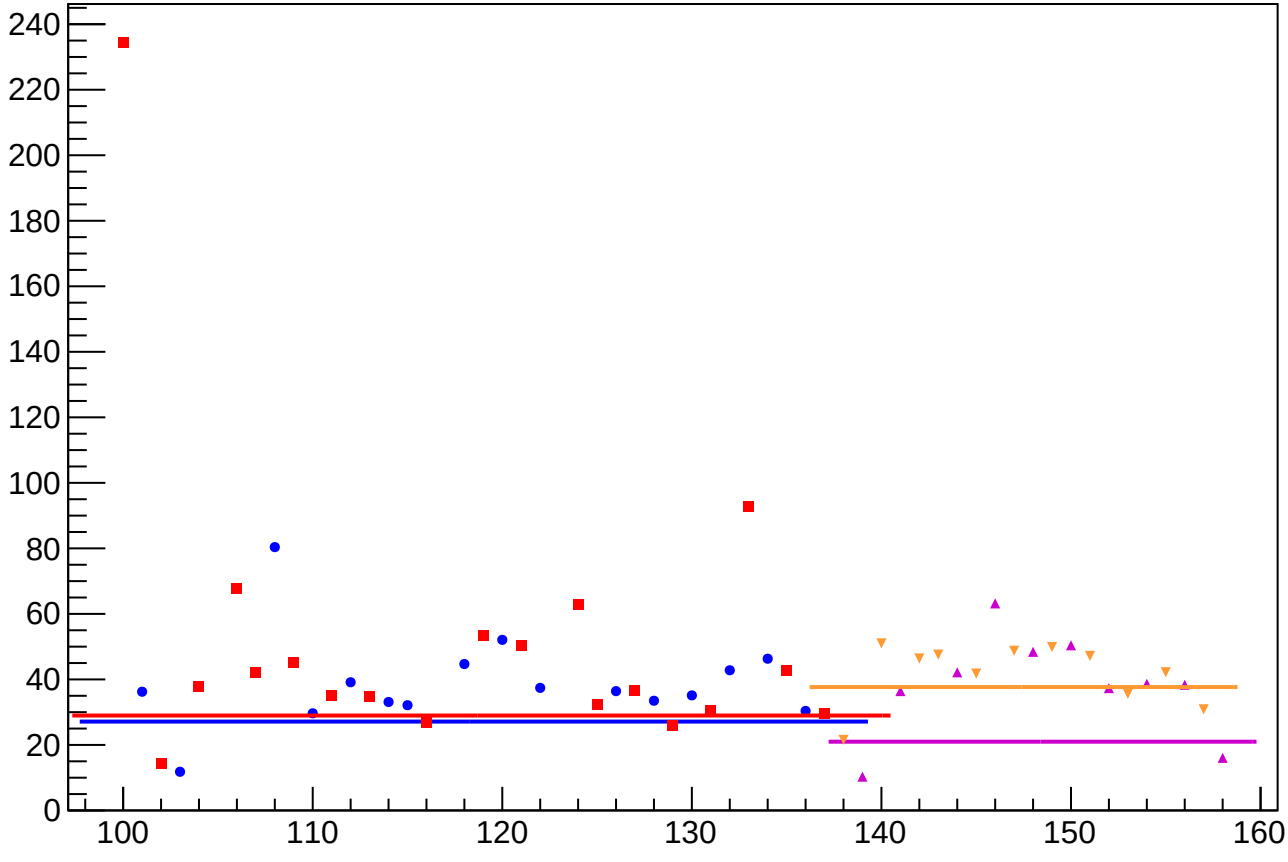
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.007 χ^2/NDF:26.1/25

Out: -0.004+/-0.009 χ^2/NDF:51.0/29

All: -0.004+/-0.006 χ^2/NDF: 77.1/55

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 37.671+/-0.010 χ^2/NDF:1068660.8/10

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.990+/-0.006 χ^2/NDF:4826145.2/9

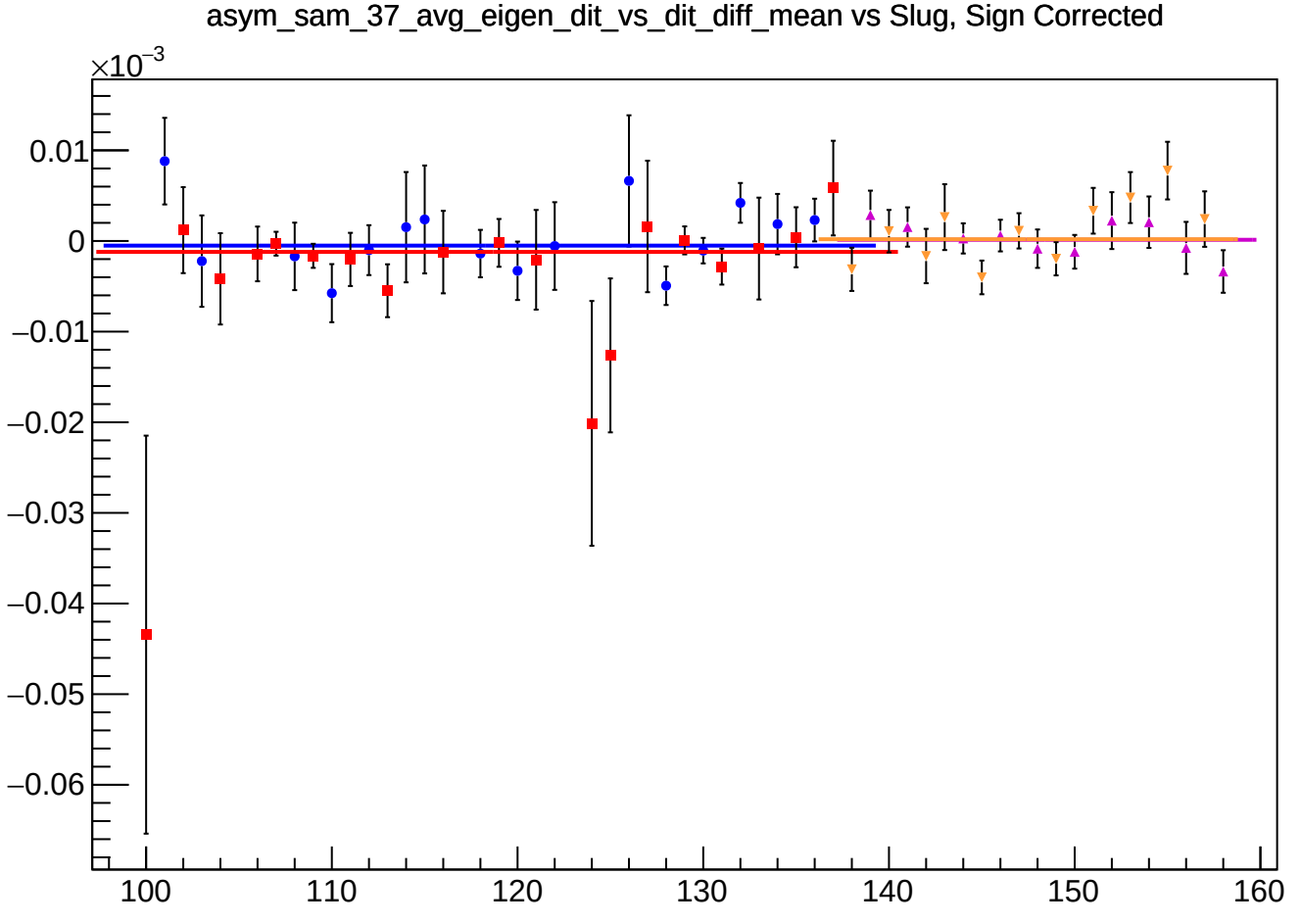
Left: 25.867+/-0.005 χ^2/NDF: 7887787.0/20

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.203+/-0.005 χ^2/NDF:7574229.8/25

Out: 32.864+/-0.007 χ^2/NDF:3947835.0/29

All: 26.792+/-0.004 χ^2/NDF: 12850444.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/9

Left: 0.000+/-0.000 χ^2/NDF: 25.6/20

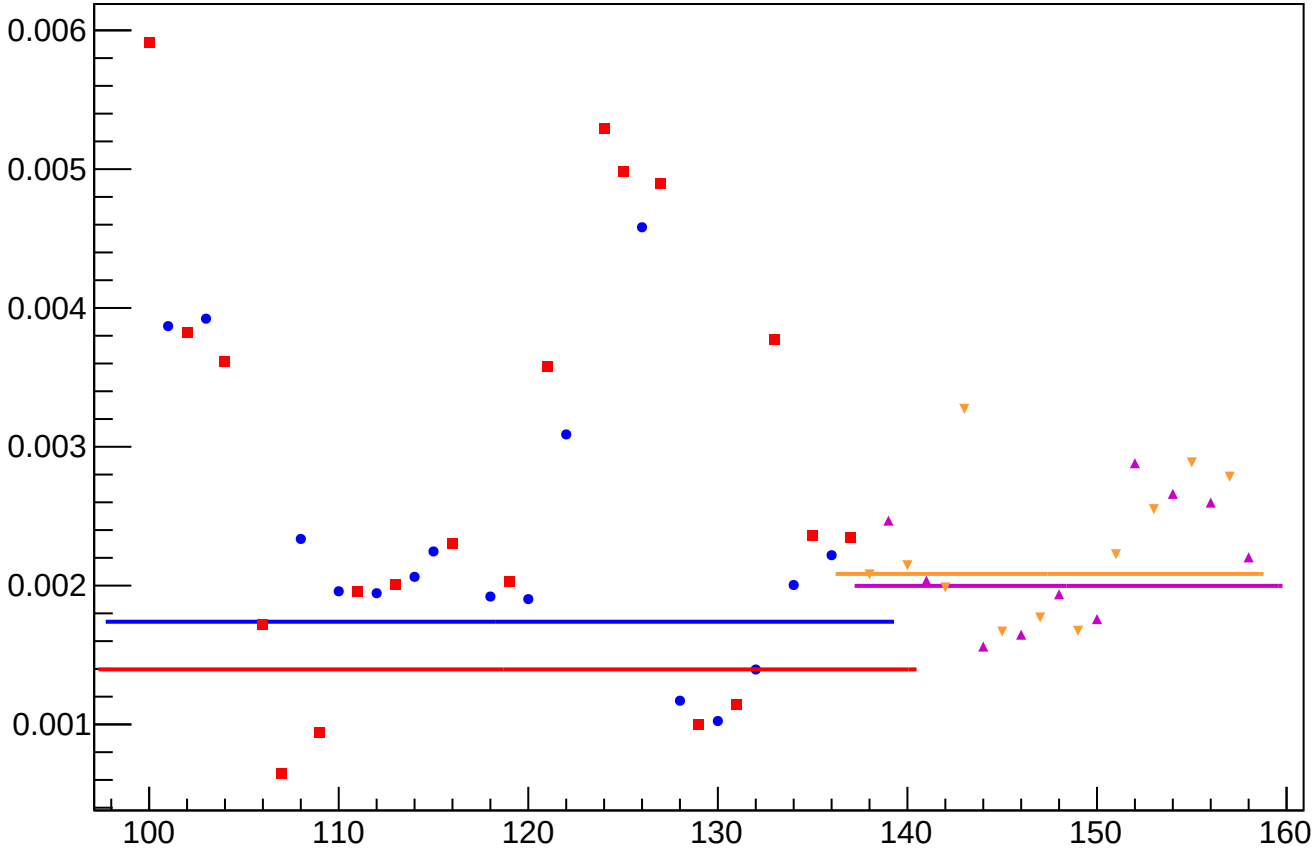
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:25.9/25

Out: -0.000+/-0.000 χ^2/NDF:36.9/29

All: -0.000+/-0.000 χ^2/NDF: 63.2/55

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:763300.1/10

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:686212.4/9

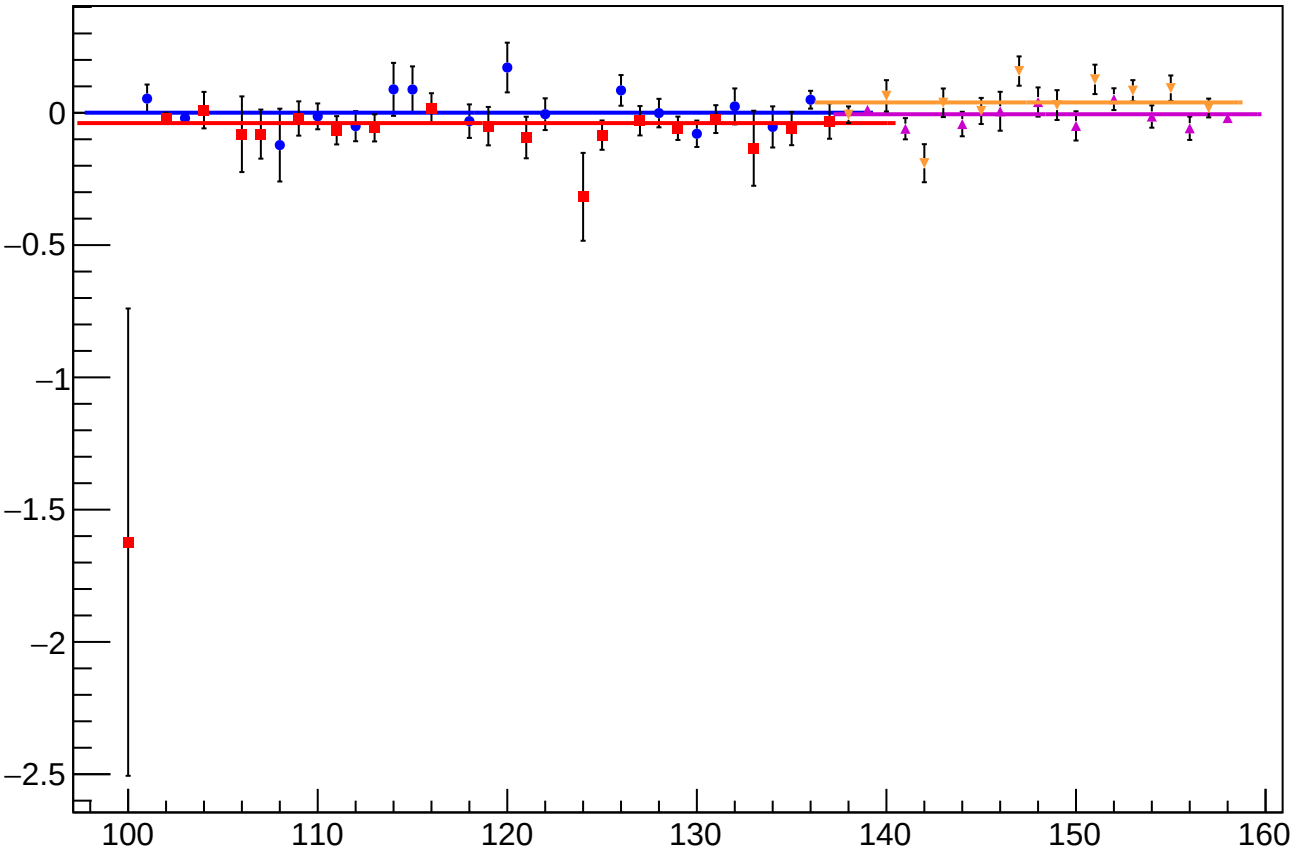
Left: 0.002+/-0.000 χ^2/NDF: 1464229.7/20

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2967256.0/25

Out: 0.002+/-0.000 χ^2/NDF:6132757.2/29

All: 0.002+/-0.000 χ^2/NDF: 9258038.7/55



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.009 χ^2/NDF:9.4/9

Left: 0.008+/-0.008 χ^2/NDF: 39.5/20

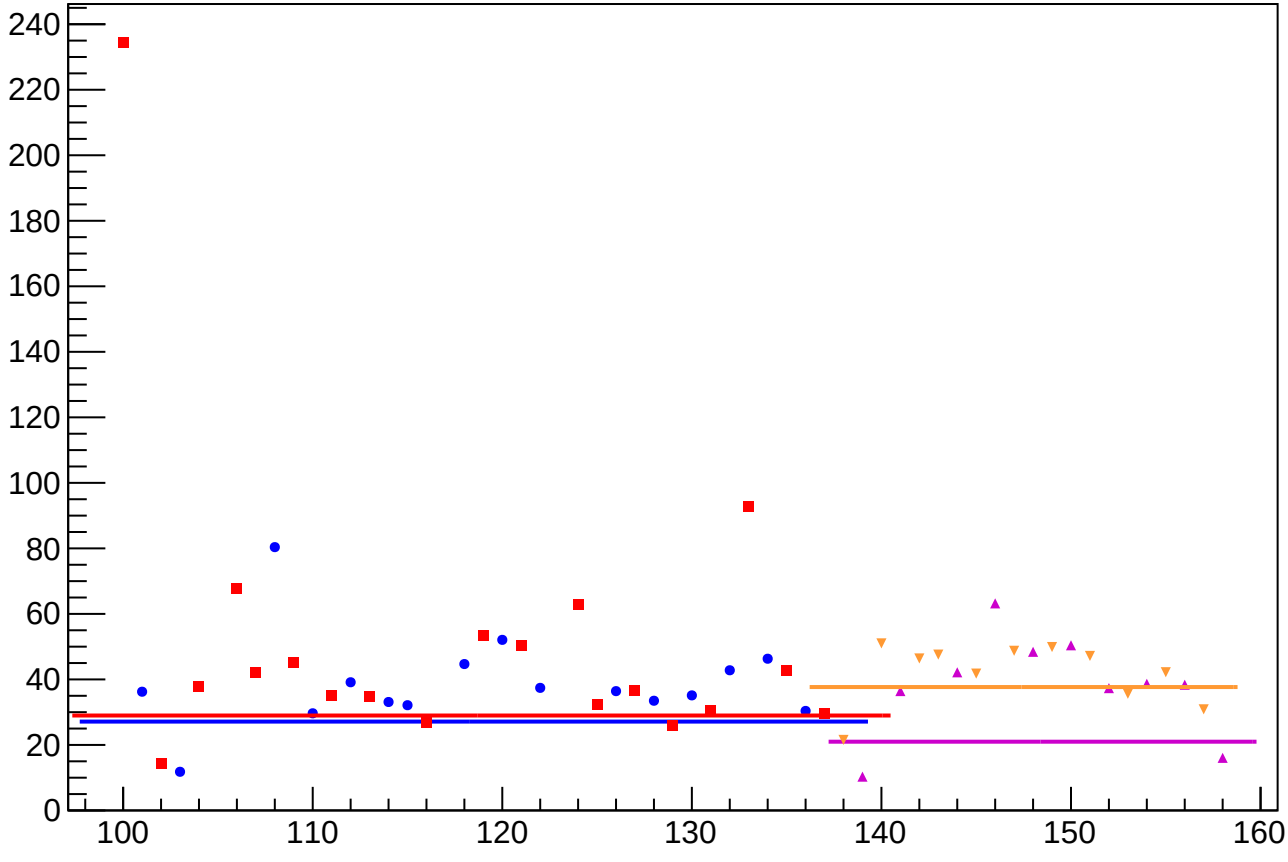
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.007 χ^2/NDF:26.1/25

Out: -0.004+/-0.009 χ^2/NDF:51.0/29

All: -0.004+/-0.006 χ^2/NDF: 77.1/55

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: 37.670+/-0.010 χ^2/NDF:1069037.1/10

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.988+/-0.006 χ^2/NDF:4826857.6/9

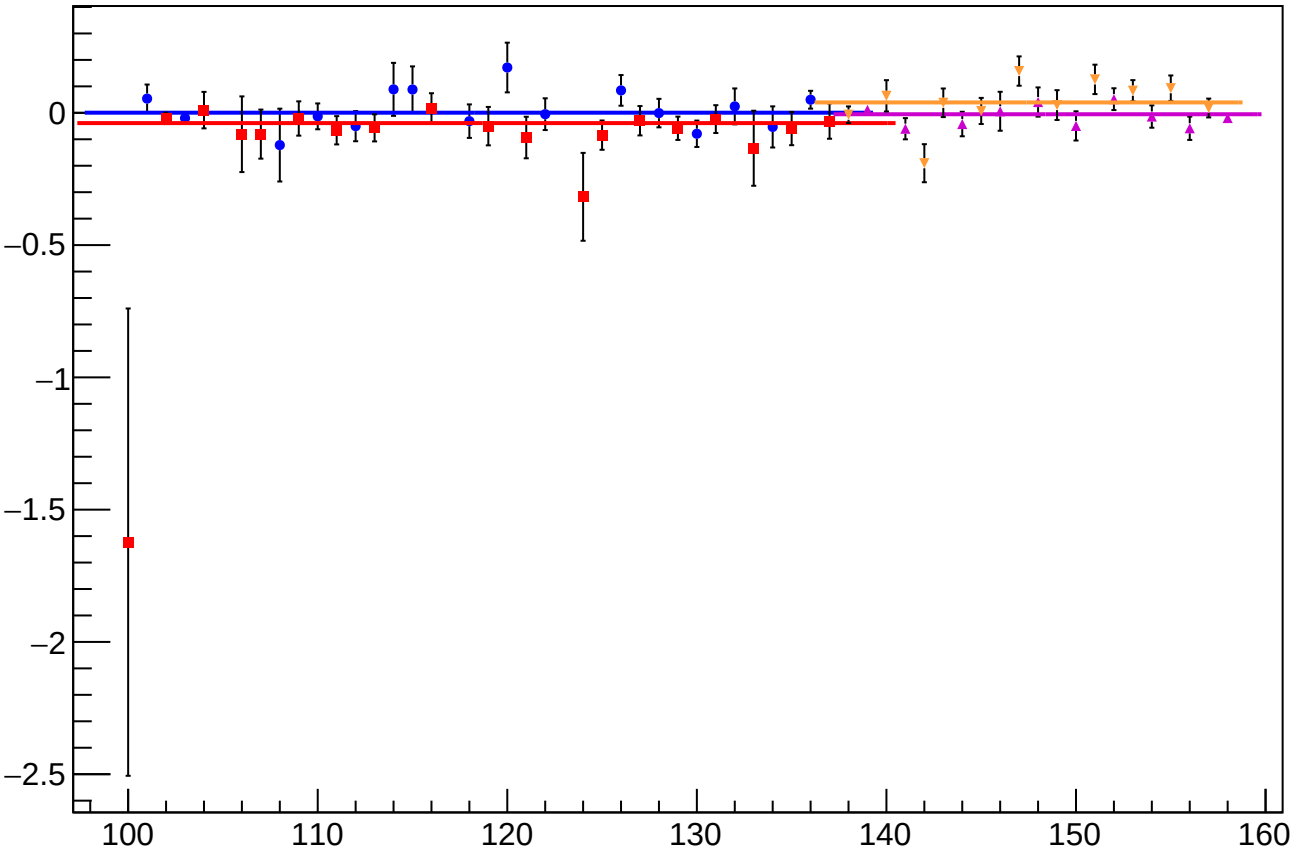
Left: 25.865+/-0.005 χ^2/NDF: 7889210.2/20

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.202+/-0.005 χ^2/NDF:7575402.6/25

Out: 32.865+/-0.007 χ^2/NDF:3947268.1/29

All: 26.791+/-0.004 χ^2/NDF: 12851857.1/55



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.005+/-0.009 χ^2/NDF:9.4/9

Left: 0.008+/-0.008 χ^2/NDF: 39.5/20

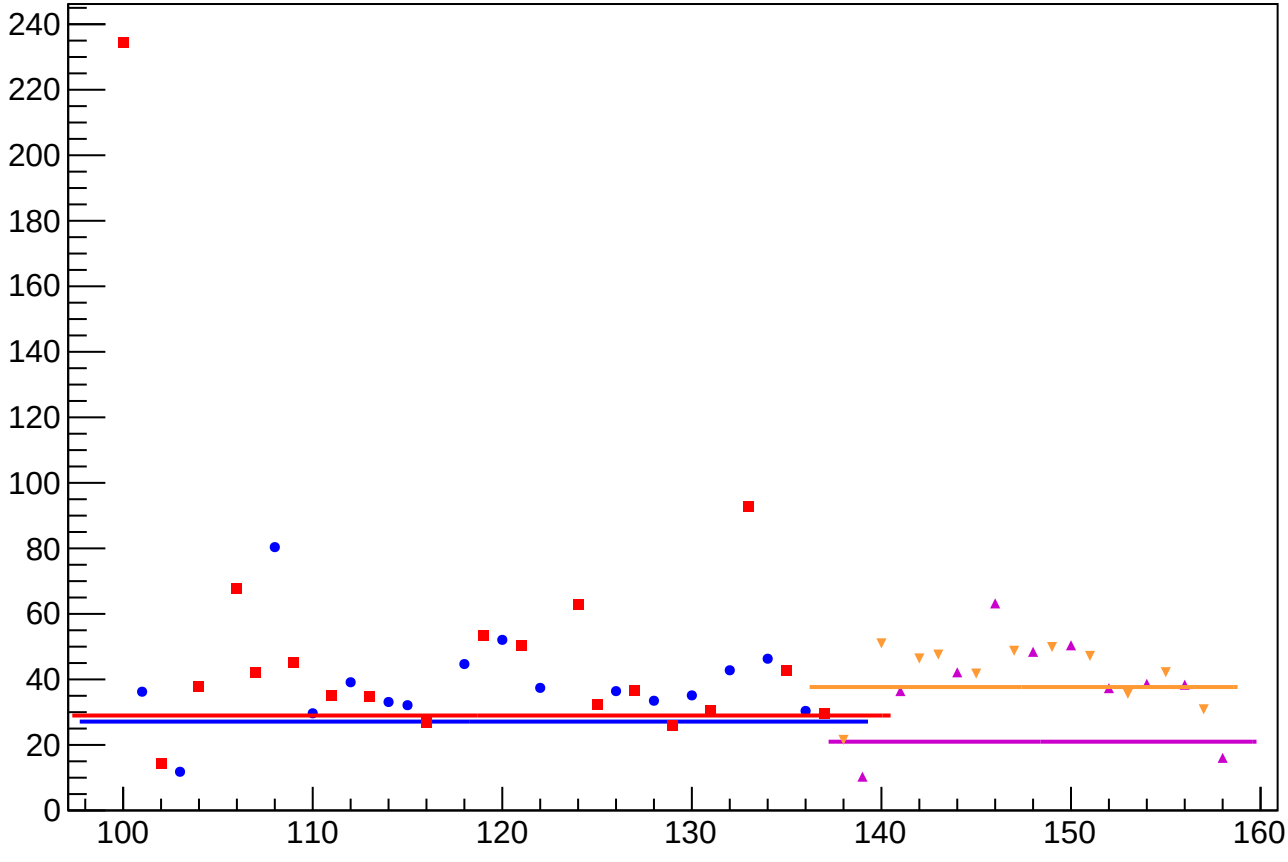
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.007 χ^2/NDF:26.1/25

Out: -0.004+/-0.009 χ^2/NDF:51.0/29

All: -0.004+/-0.006 χ^2/NDF: 77.1/55

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: 37.670+/-0.010 χ^2/NDF:1069037.1/10

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.988+/-0.006 χ^2/NDF:4826857.6/9

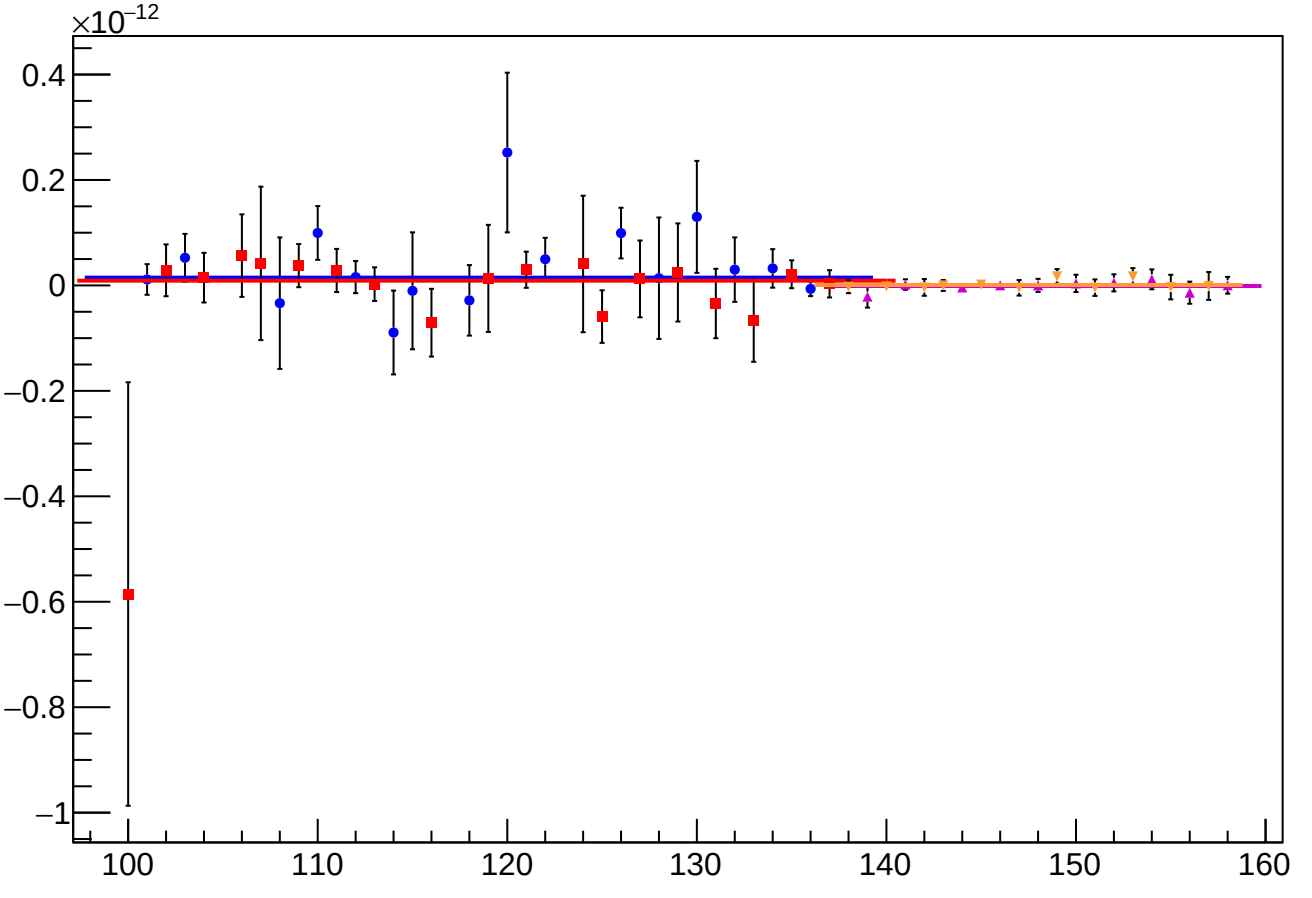
Left: 25.865+/-0.005 χ^2/NDF: 7889210.2/20

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.202+/-0.005 χ^2/NDF:7575402.6/25

Out: 32.865+/-0.007 χ^2/NDF:3947268.1/29

All: 26.791+/-0.004 χ^2/NDF: 12851857.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/9

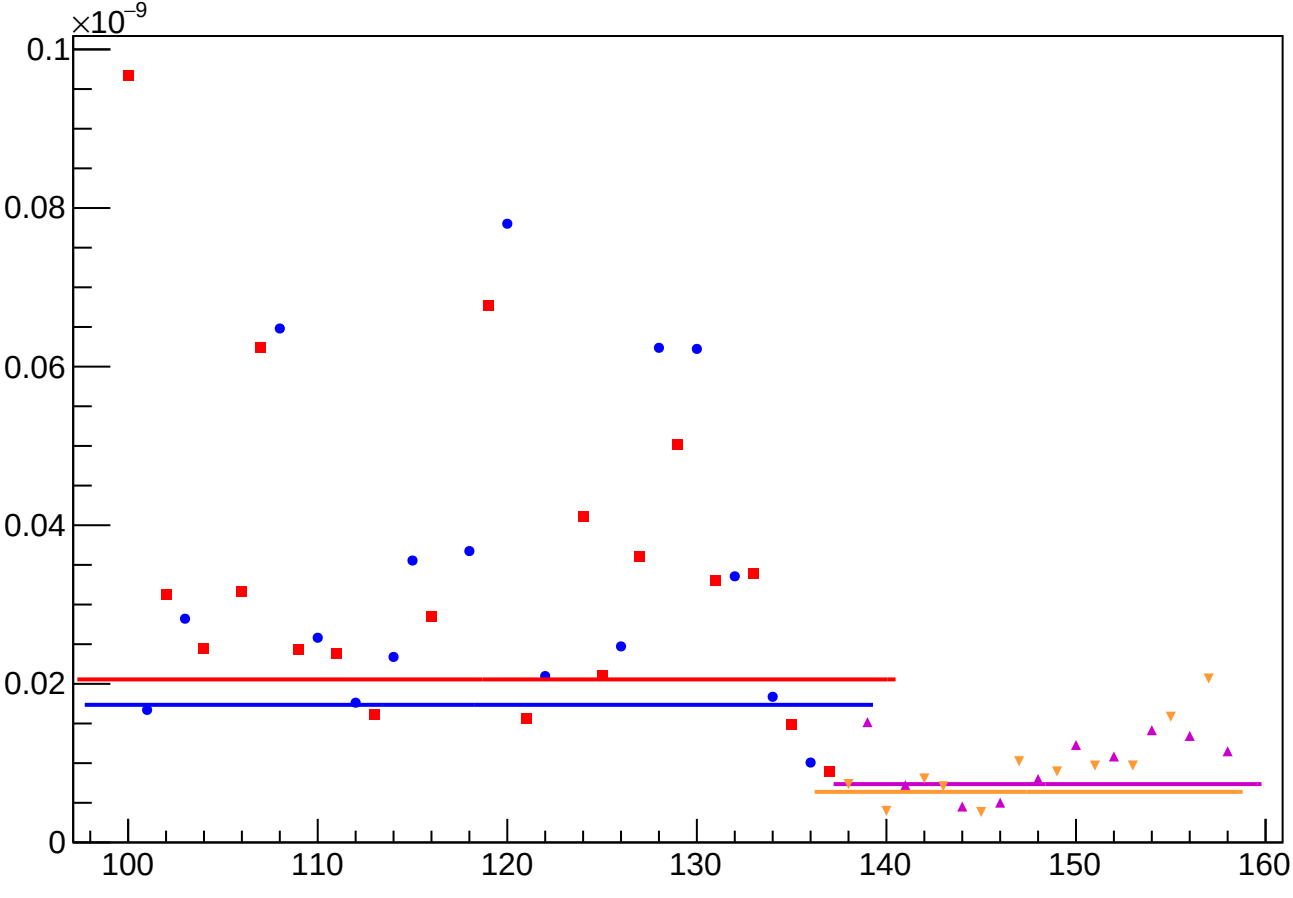
Left: -0.000+/-0.000 χ^2/NDF: 5.5/20

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:20.7/25

Out: 0.000+/-0.000 χ^2/NDF:12.7/29

All: 0.000+/-0.000 χ^2/NDF: 33.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1917739.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1663273.6/9

Left: 0.000+/-0.000 χ^2/NDF: 3657983.7/20

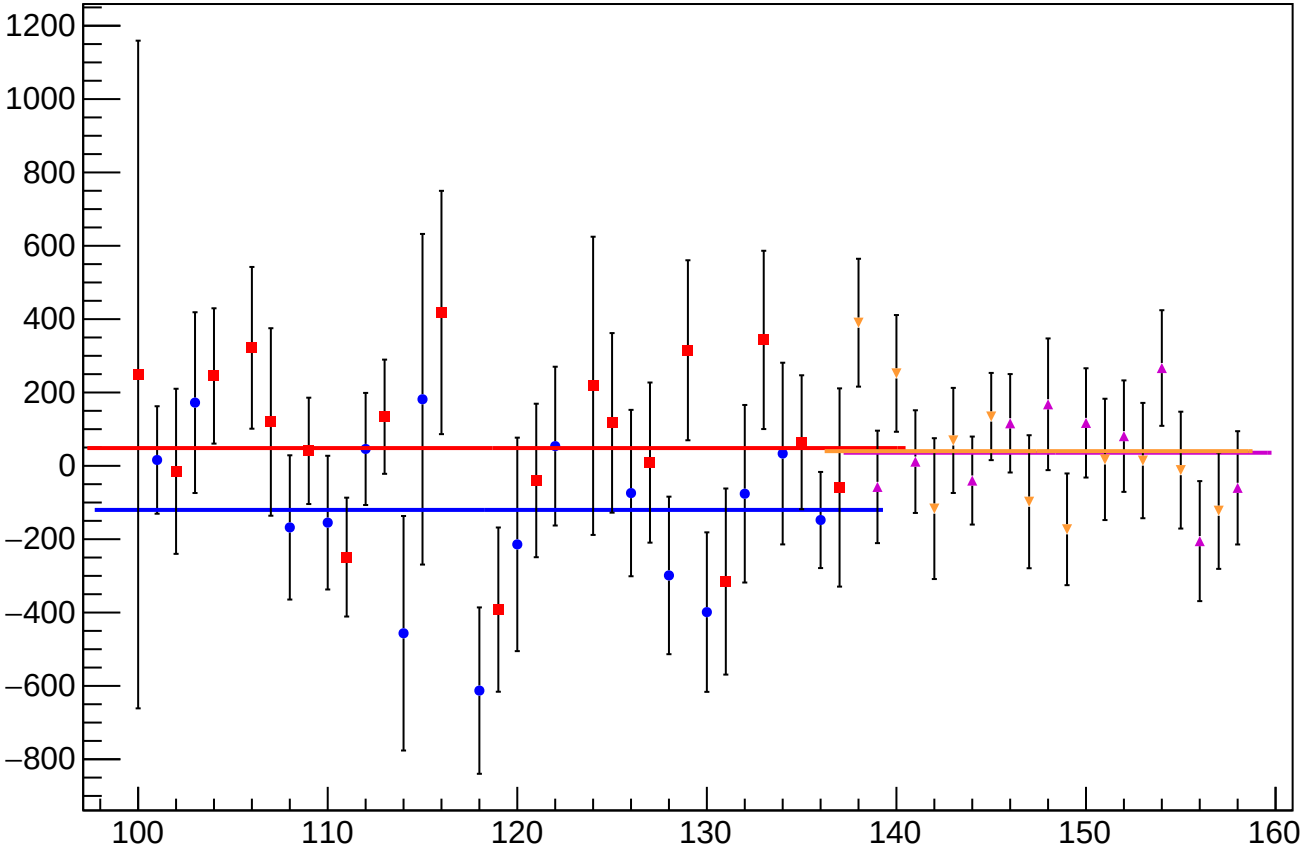
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:6048346.3/25

Out: 0.000+/-0.000 χ^2/NDF:6970101.2/29

All: 0.000+/-0.000 χ^2/NDF: 13116703.6/55

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 40.071+/-47.211 χ^2/NDF:10.9/10

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 35.737+/-46.754 χ^2/NDF:6.8/9

Left: 37.883+/-33.220 χ^2/NDF: 17.7/20

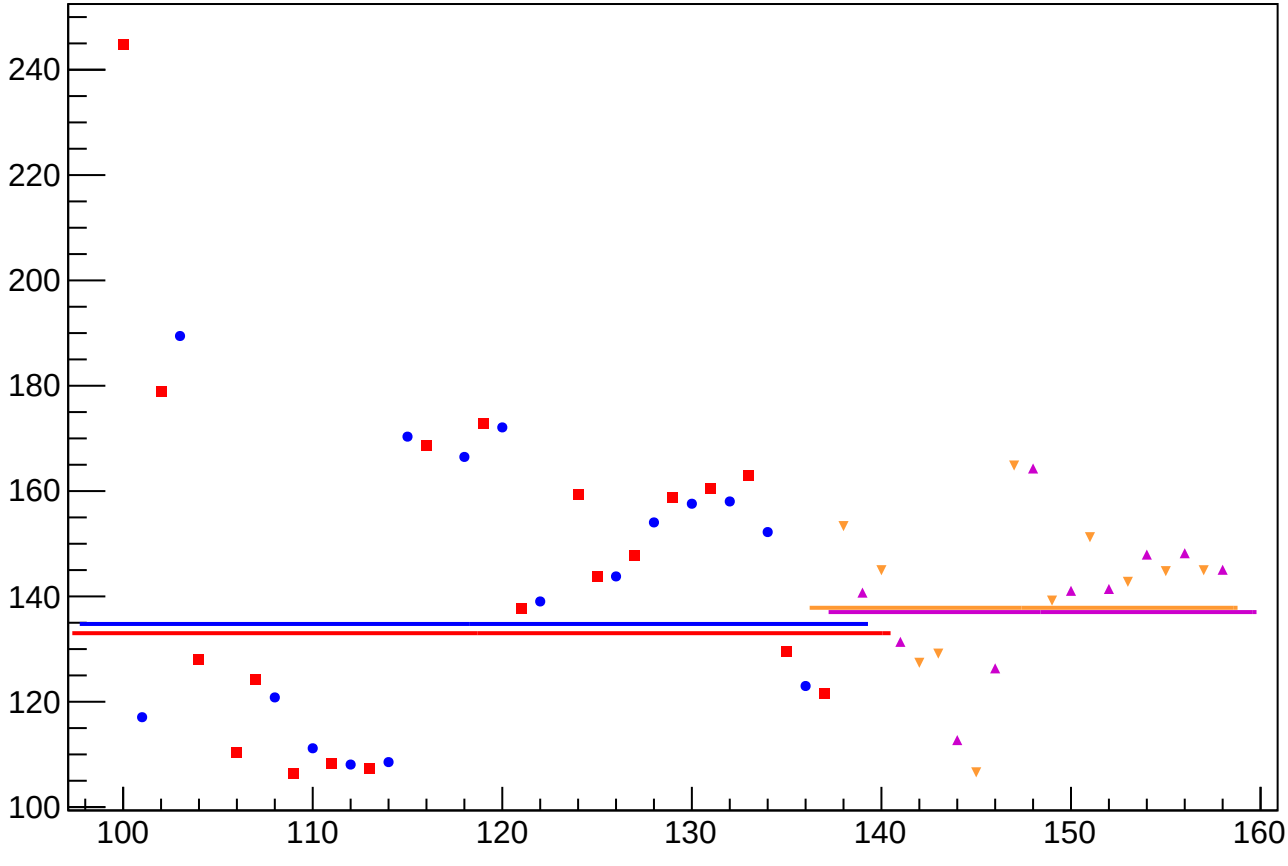
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -35.296+/-34.495 χ^2/NDF:25.3/25

Out: 44.027+/-34.298 χ^2/NDF:27.9/29

All: 4.594+/-24.322 χ^2/NDF: 55.8/55

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 137.843+/-0.033 χ^2/NDF:238728.0/10

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

Left: 137.431+/-0.023 χ^2/NDF: 411778.4/20

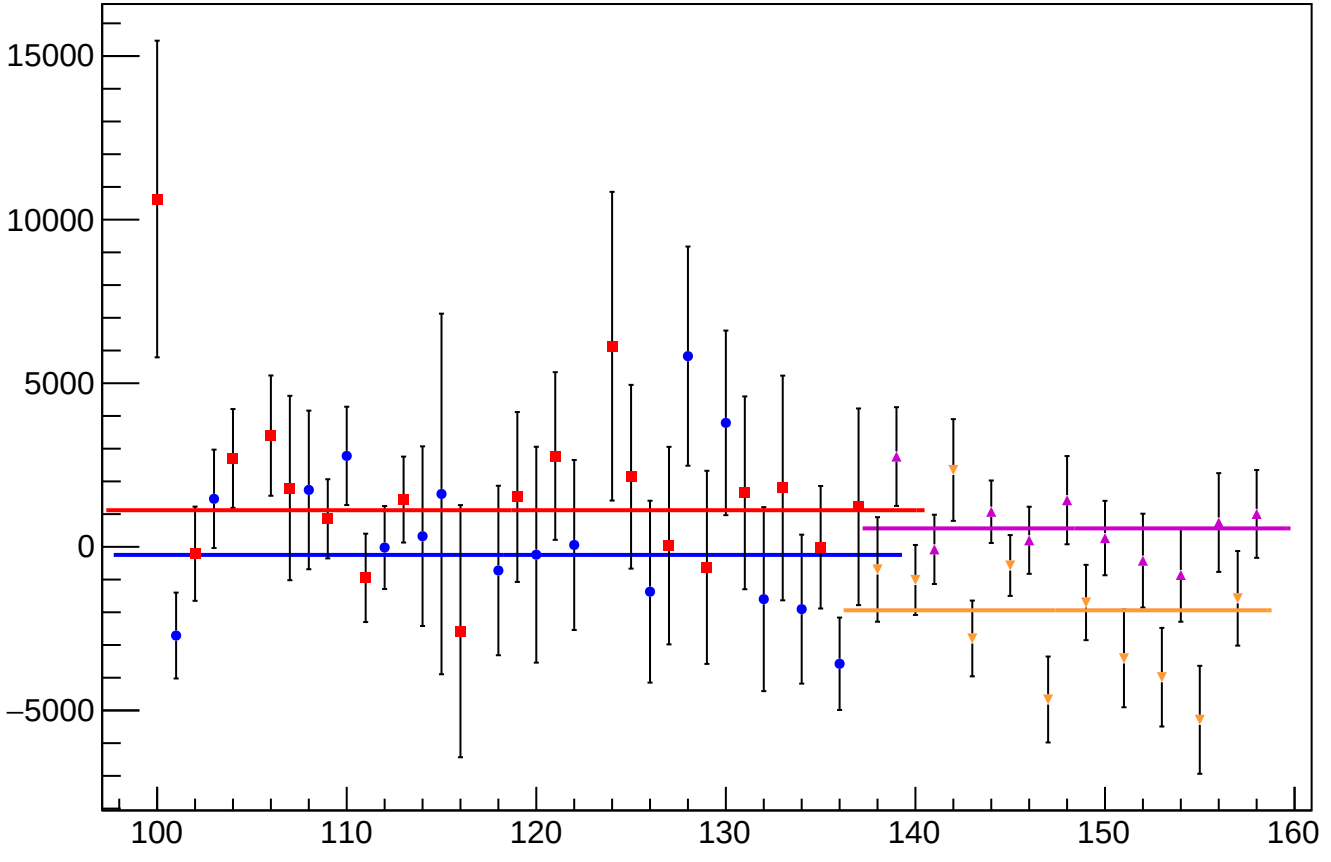
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 135.999+/-0.024 χ^2/NDF:591647.8/25

Out: 135.565+/-0.024 χ^2/NDF:744304.2/29

All: 135.781+/-0.017 χ^2/NDF: 1336111.0/55

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1939.352+/-387.730 χ^2/NDF:23.0/10

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 563.805+/-387.166 χ^2/NDF:5.0/9

Left: -685.951+/-273.967 χ^2/NDF: 48.9/20

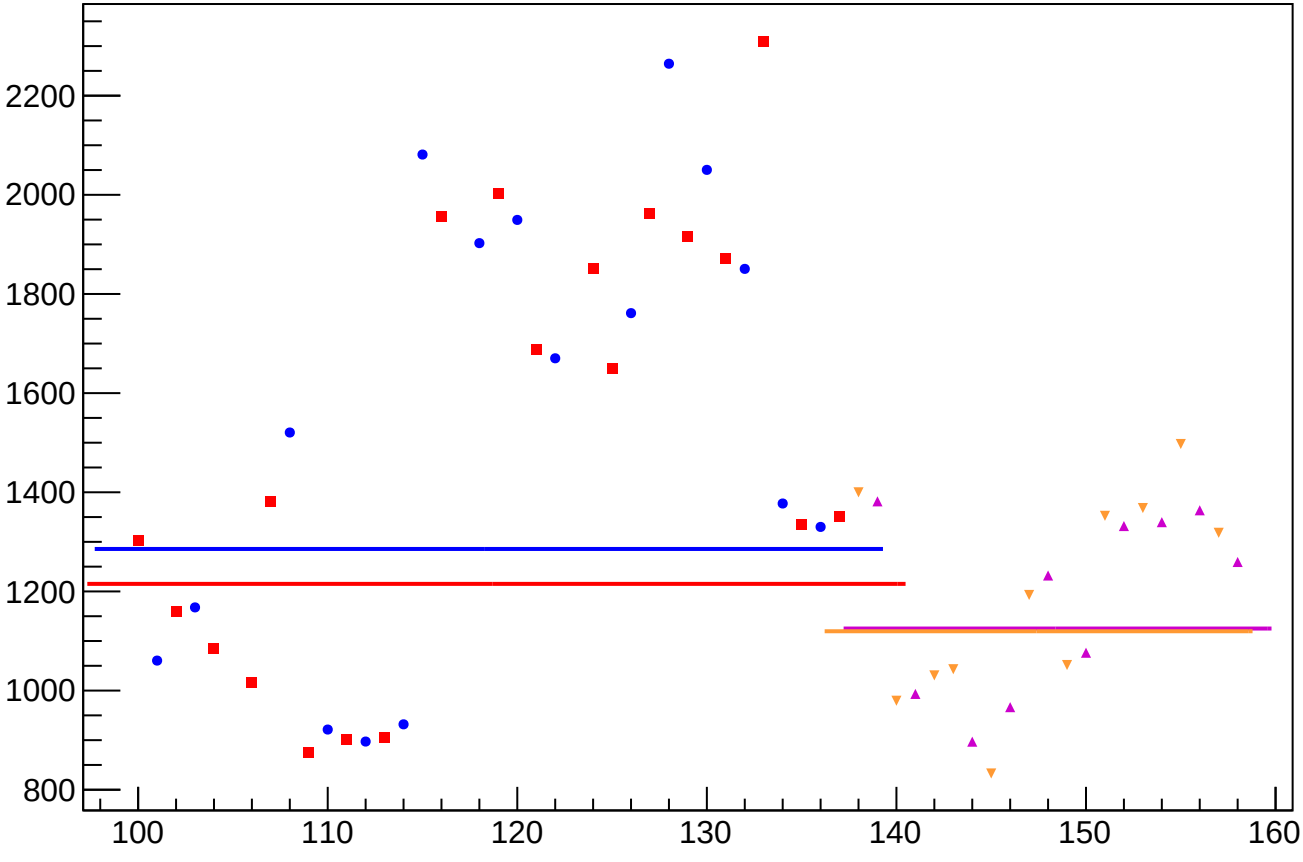
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 261.195+/-306.444 χ^2/NDF:28.2/25

Out: -695.645+/-298.677 χ^2/NDF:61.7/29

All: -229.505+/-213.890 χ^2/NDF: 94.9/55

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1119.666+/-0.274 χ^2/NDF:560443.2/10

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1125.151+/-0.274 χ^2/NDF:423661.5/9

Left: 1122.412+/-0.194 χ^2/NDF: 984305.1/20

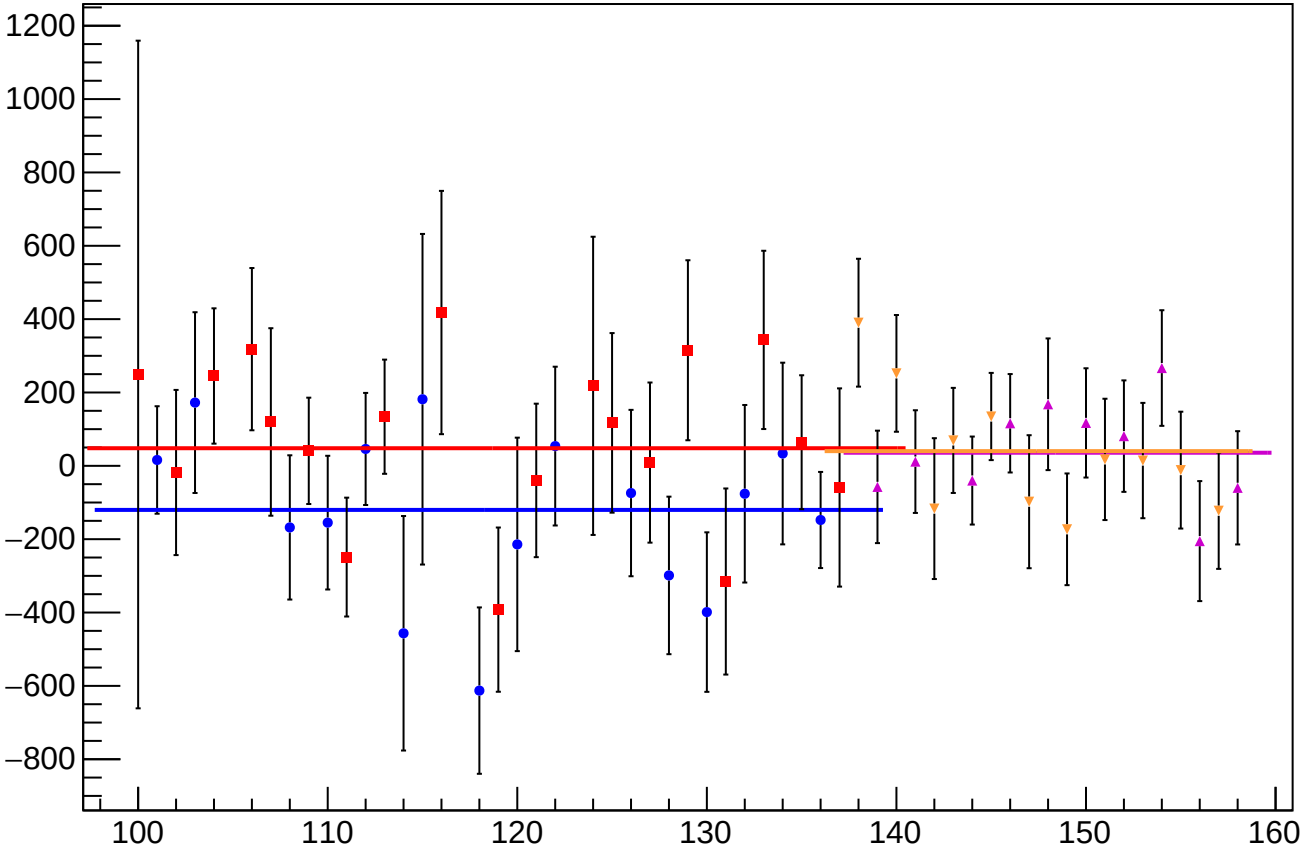
Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1185.107+/-0.217 χ^2/NDF:1722506.5/25

Out: 1158.526+/-0.211 χ^2/NDF:1996141.3/29

All: 1171.475+/-0.151 χ^2/NDF: 3726364.9/55

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 40.076+/-47.211 χ^2/NDF:10.9/10

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 35.740+/-46.754 χ^2/NDF:6.8/9

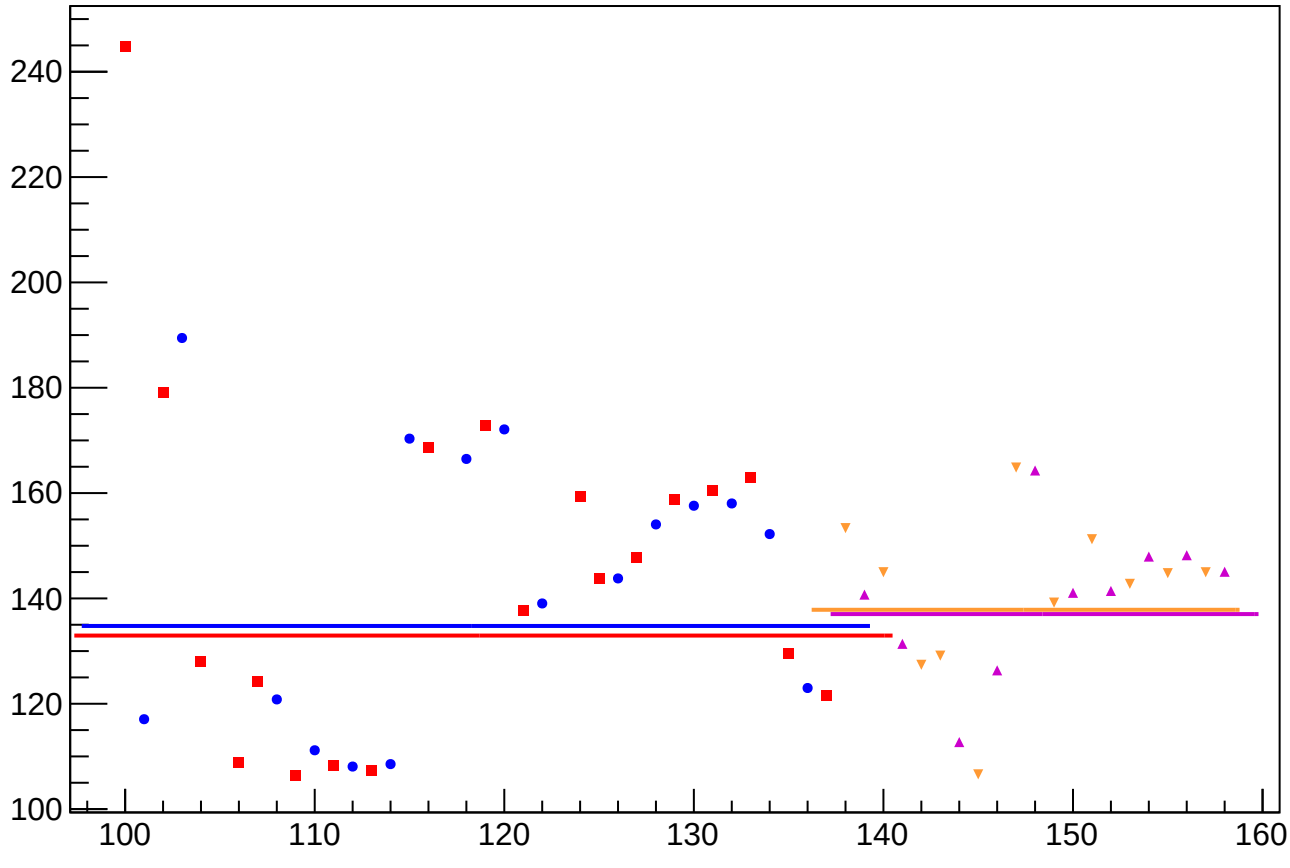
Left: 37.887+/-33.220 χ^2/NDF: 17.7/20

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -35.299+/-34.495 χ^2/NDF:25.3/25

Out: 43.823+/-34.301 χ^2/NDF:27.9/29

All: 4.486+/-24.323 χ^2/NDF: 55.8/55



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.843+/-0.033 χ^2/NDF:238728.0/10

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

Left: 137.431+/-0.023 χ^2/NDF: 411778.4/20

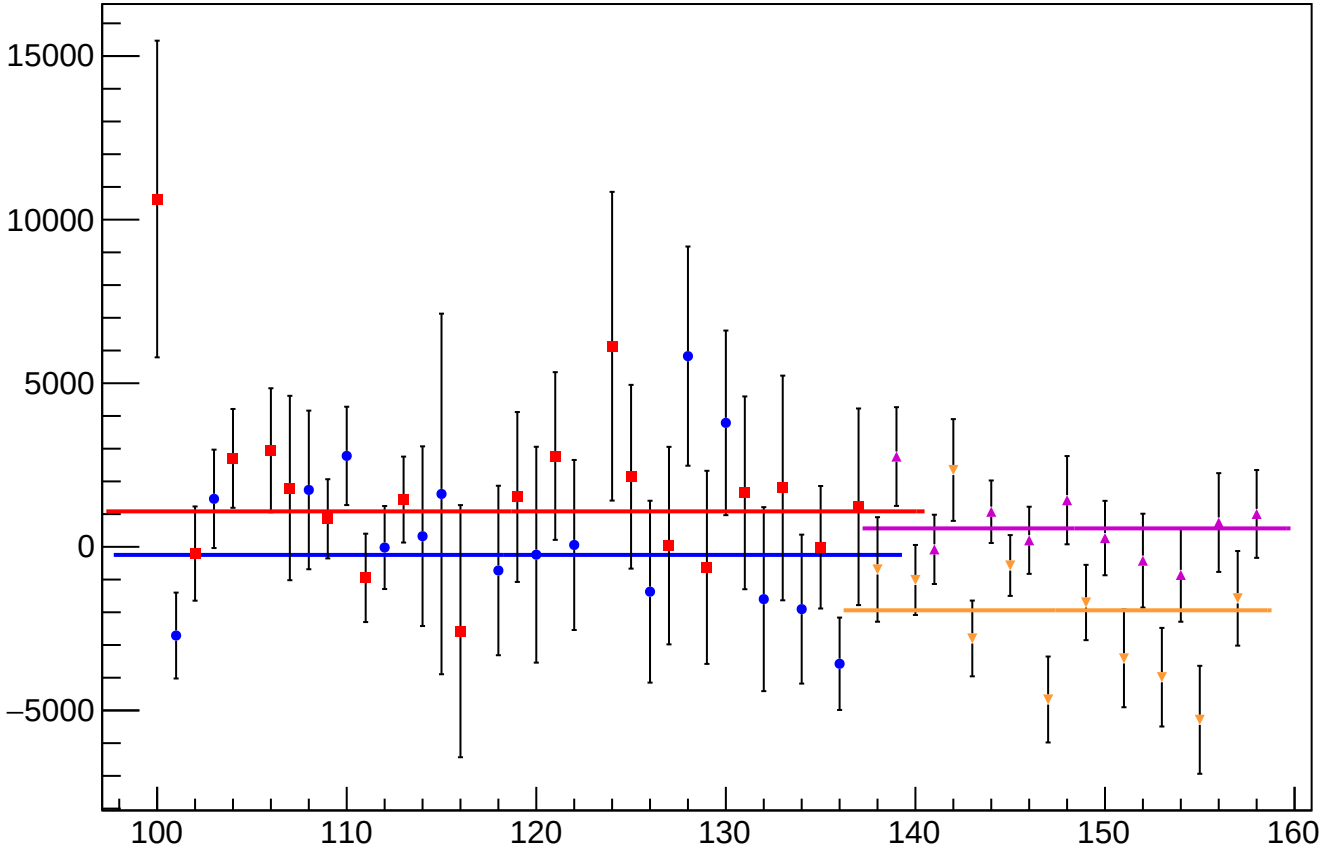
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 135.999+/-0.024 χ^2/NDF:591650.8/25

Out: 135.531+/-0.024 χ^2/NDF:747733.9/29

All: 135.764+/-0.017 χ^2/NDF: 1339569.5/55

asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1939.345+/-387.730 χ^2/NDF:23.0/10

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 563.814+/-387.166 χ^2/NDF:5.0/9

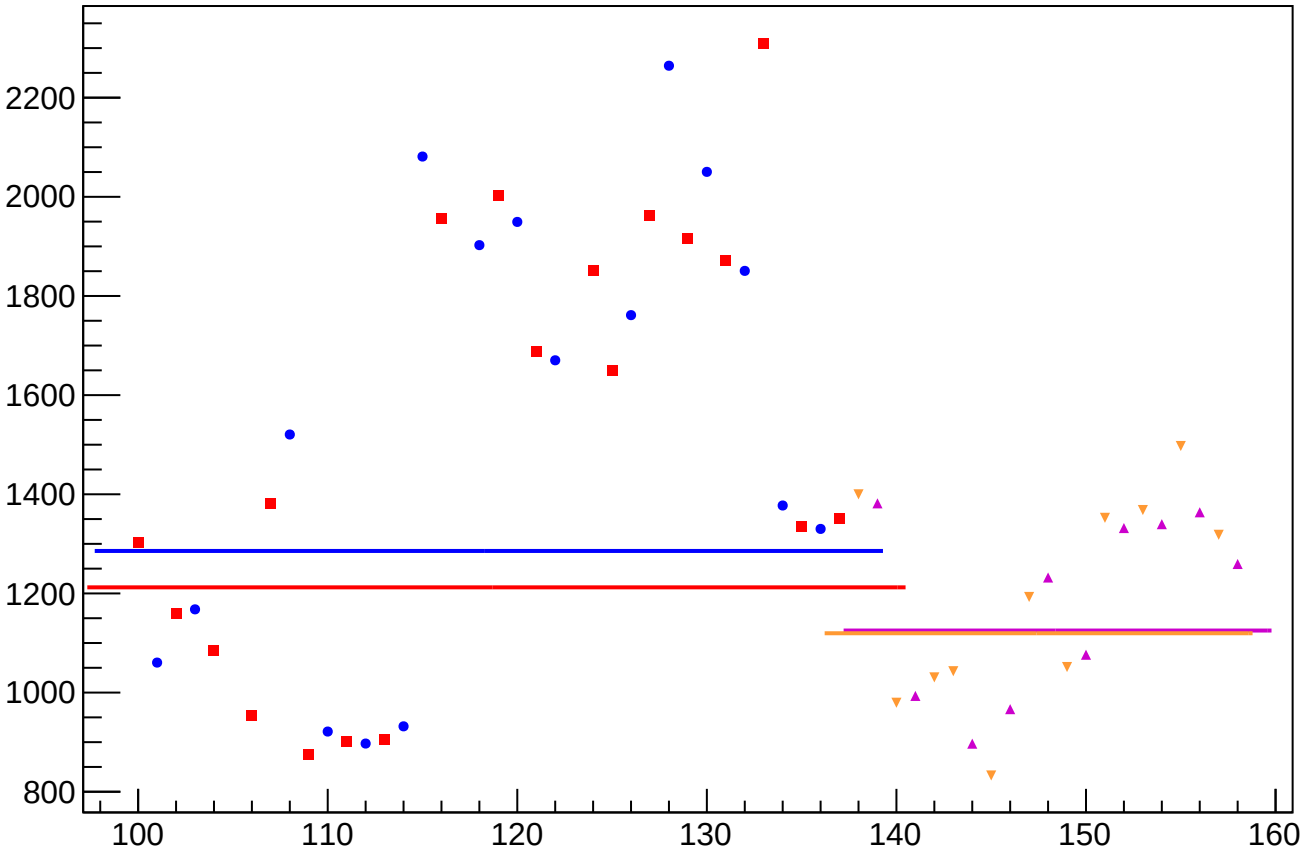
Left: -685.944+/-273.967 χ^2/NDF: 48.9/20

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 261.178+/-306.445 χ^2/NDF:28.2/25

Out: -712.878+/-298.916 χ^2/NDF:60.5/29

All: -237.963+/-213.978 χ^2/NDF: 93.9/55



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1119.666+/-0.274 χ^2/NDF:560445.7/10

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1125.151+/-0.274 χ^2/NDF:423659.2/9

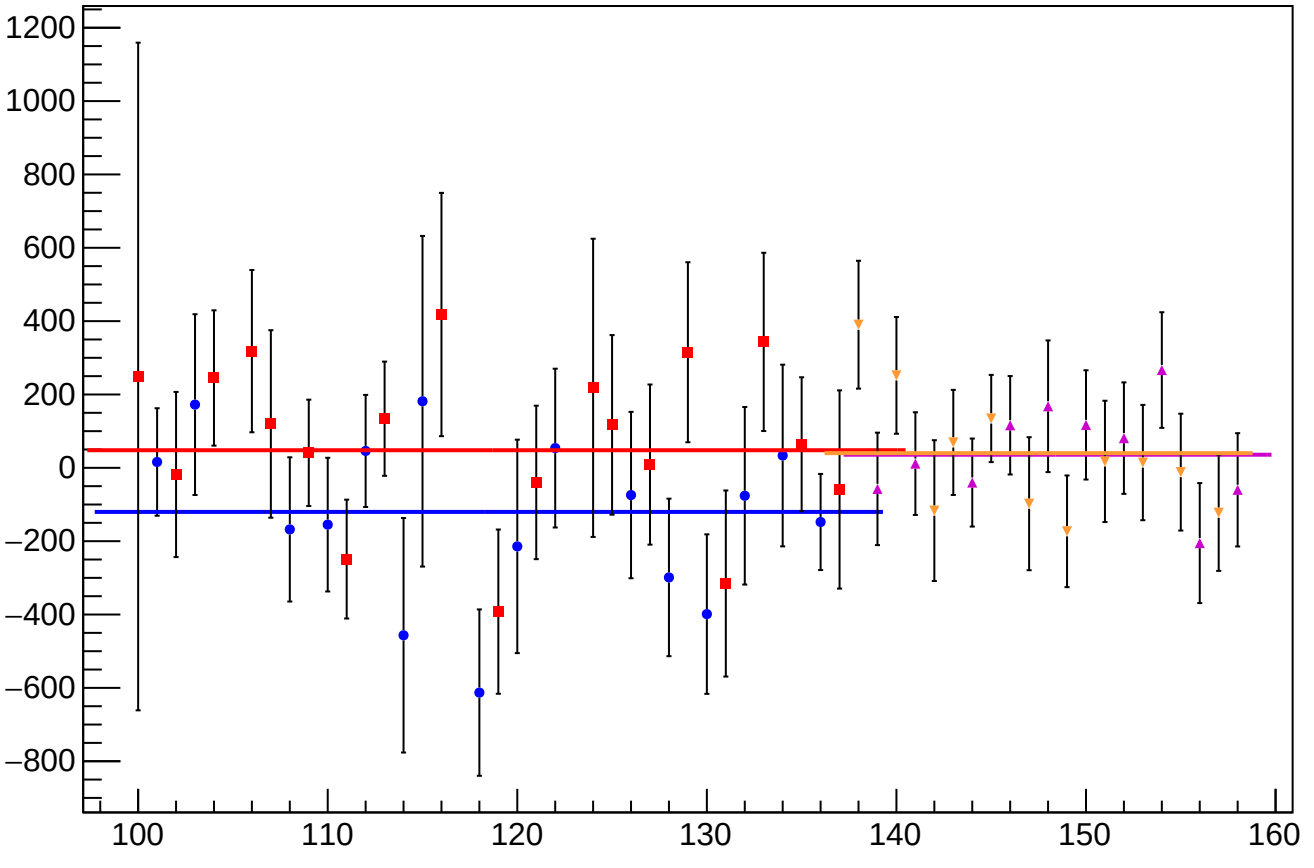
Left: 1122.413+/-0.194 χ^2/NDF: 984305.4/20

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1185.111+/-0.217 χ^2/NDF:1722498.8/25

Out: 1157.233+/-0.211 χ^2/NDF:2007366.1/29

All: 1170.826+/-0.151 χ^2/NDF: 3738346.7/55



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 40.076+/-47.211 χ^2/NDF:10.9/10

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 35.740+/-46.754 χ^2/NDF:6.8/9

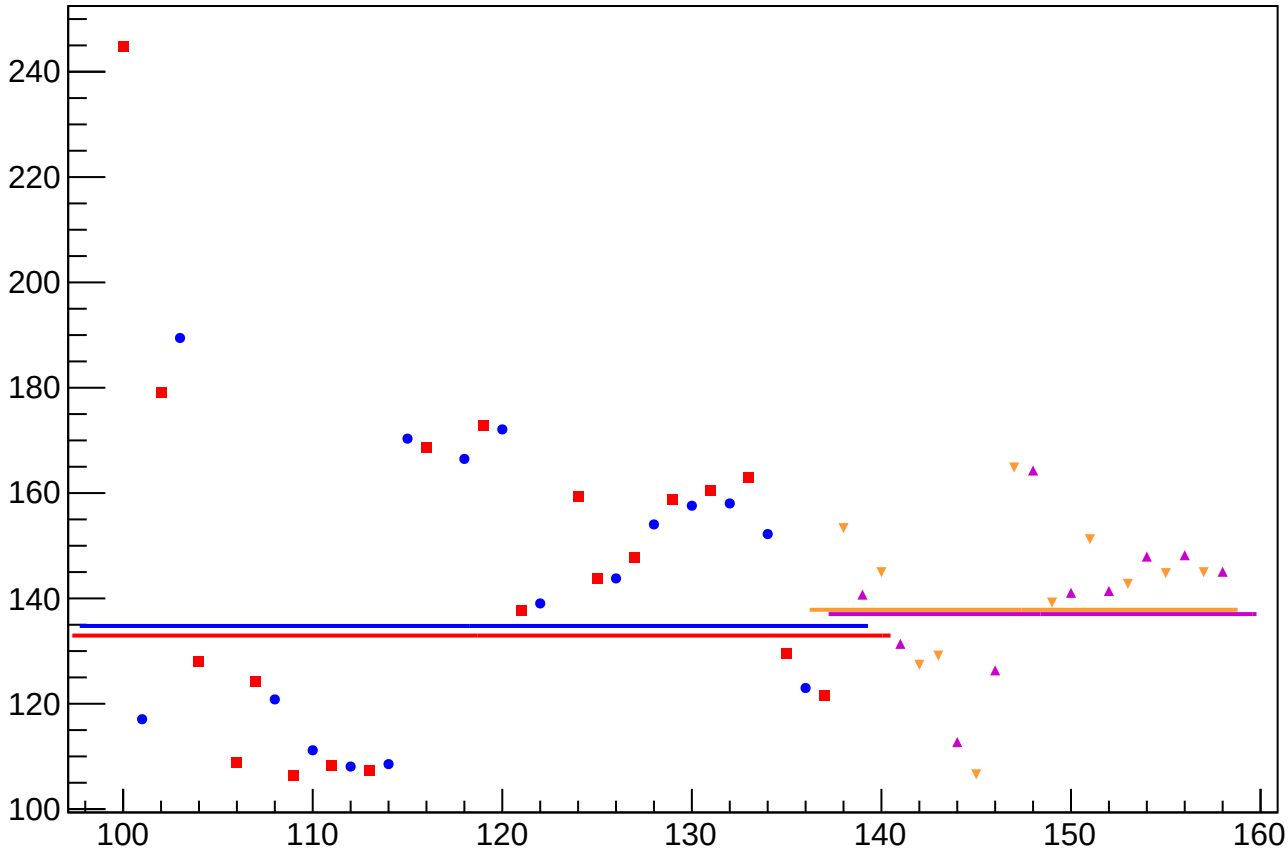
Left: 37.887+/-33.220 χ^2/NDF: 17.7/20

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -35.299+/-34.495 χ^2/NDF:25.3/25

Out: 43.823+/-34.301 χ^2/NDF:27.9/29

All: 4.486+/-24.323 χ^2/NDF: 55.8/55



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.843+/-0.033 χ^2/NDF:238728.0/10

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

Left: 137.431+/-0.023 χ^2/NDF: 411778.4/20

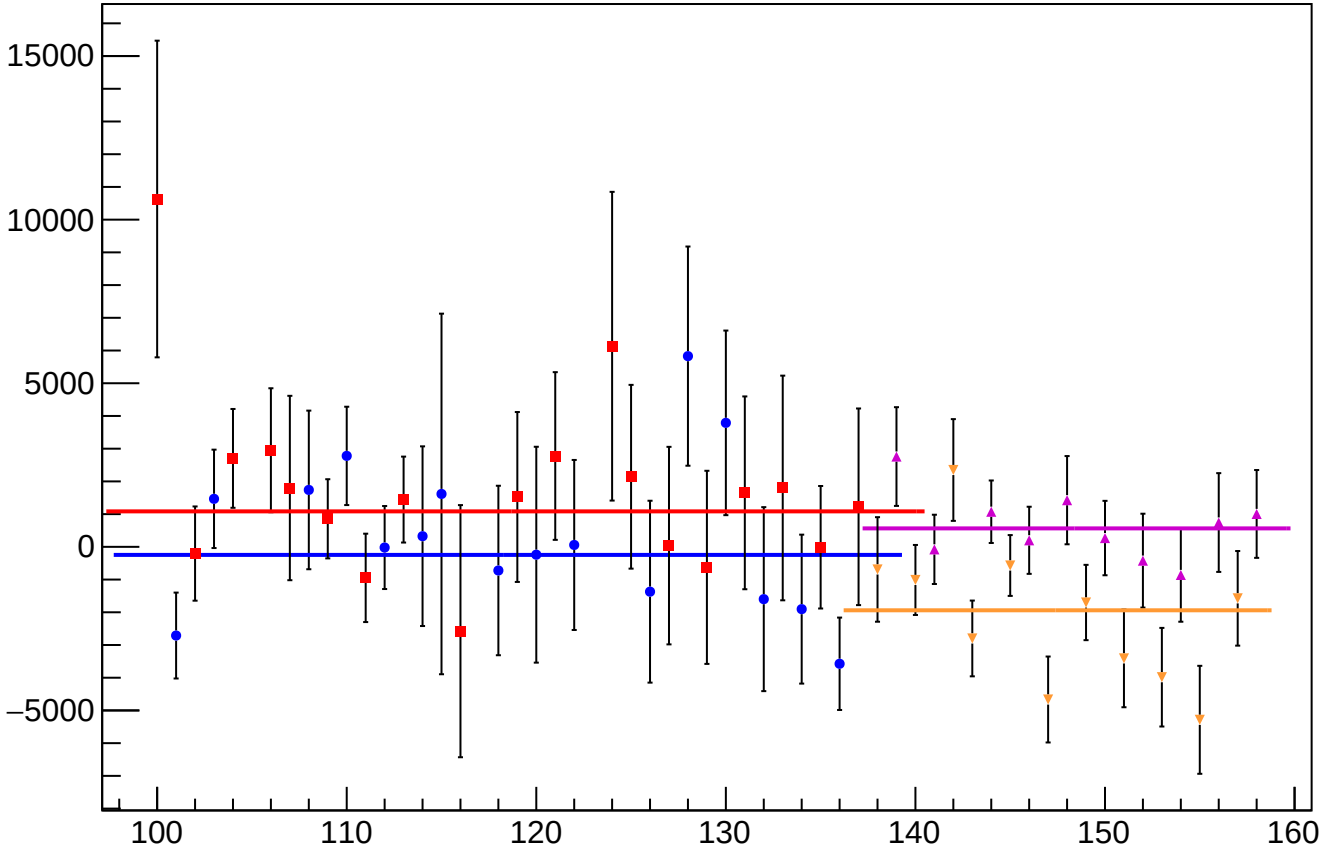
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 135.999+/-0.024 χ^2/NDF:591650.8/25

Out: 135.531+/-0.024 χ^2/NDF:747733.9/29

All: 135.764+/-0.017 χ^2/NDF: 1339569.5/55

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: -1939.345+/-387.730 χ^2/NDF:23.0/10

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 563.814+/-387.166 χ^2/NDF:5.0/9

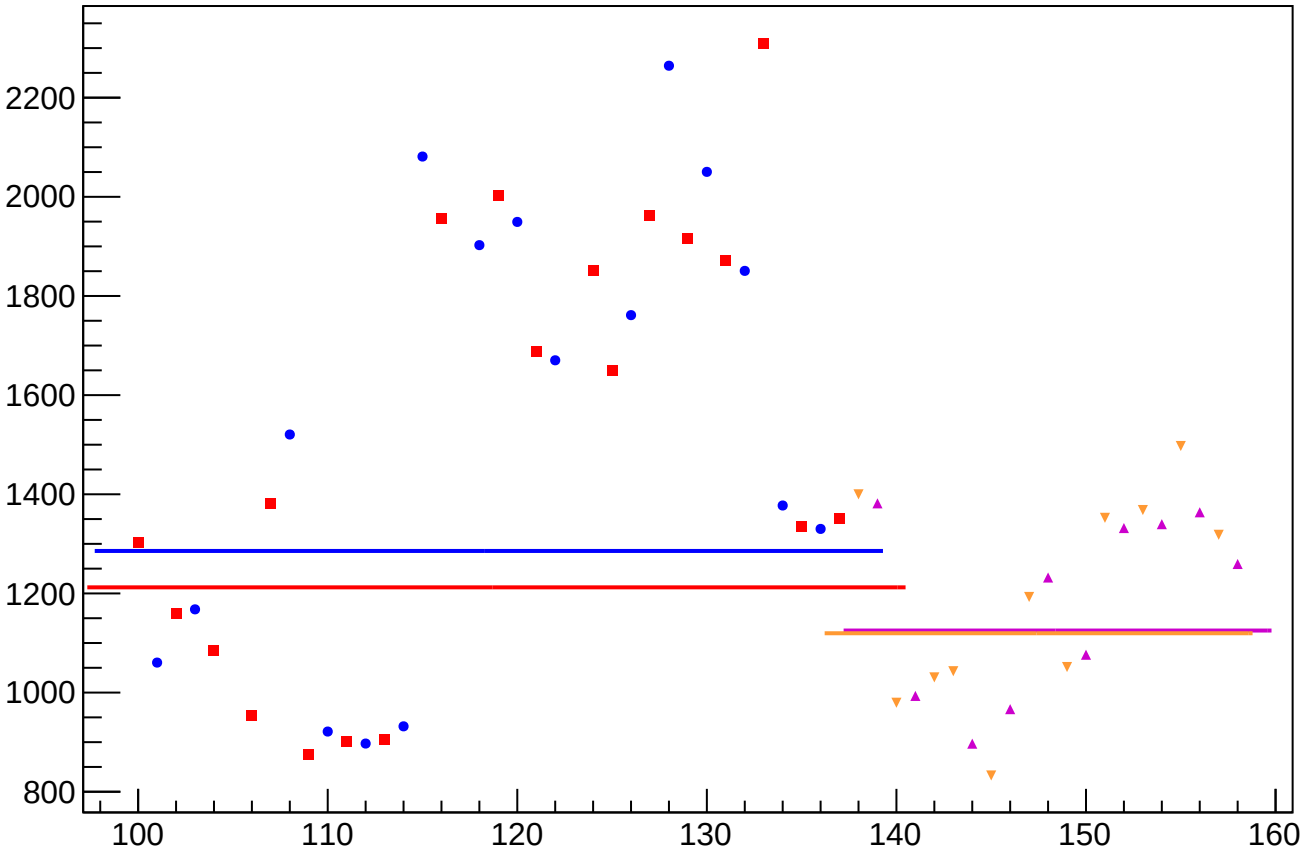
Left: -685.944+/-273.967 χ^2/NDF: 48.9/20

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 261.178+/-306.445 χ^2/NDF:28.2/25

Out: -712.878+/-298.916 χ^2/NDF:60.5/29

All: -237.963+/-213.978 χ^2/NDF: 93.9/55



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1119.666+/-0.274 χ^2/NDF:560445.7/10

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1125.151+/-0.274 χ^2/NDF:423659.2/9

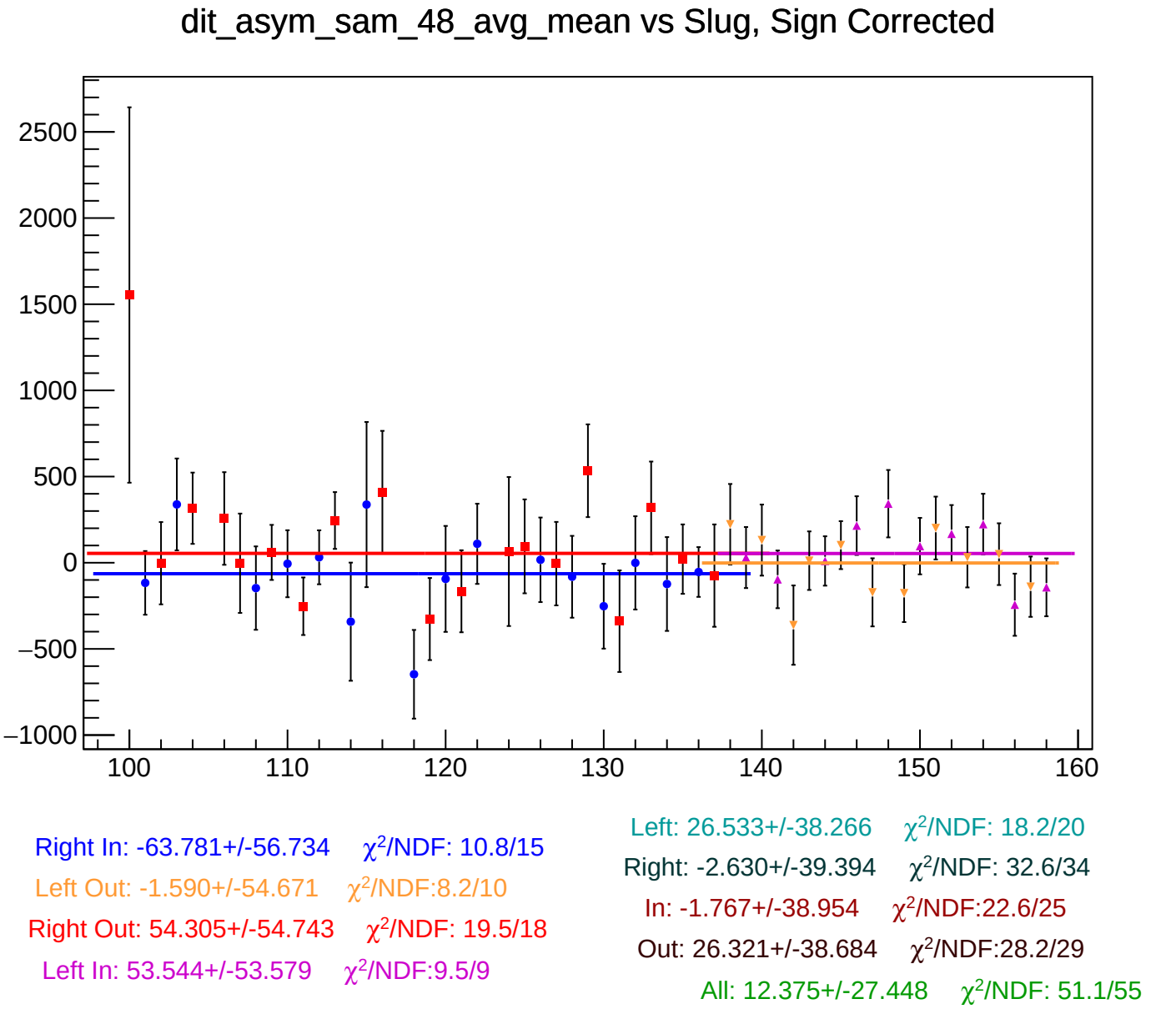
Left: 1122.413+/-0.194 χ^2/NDF: 984305.4/20

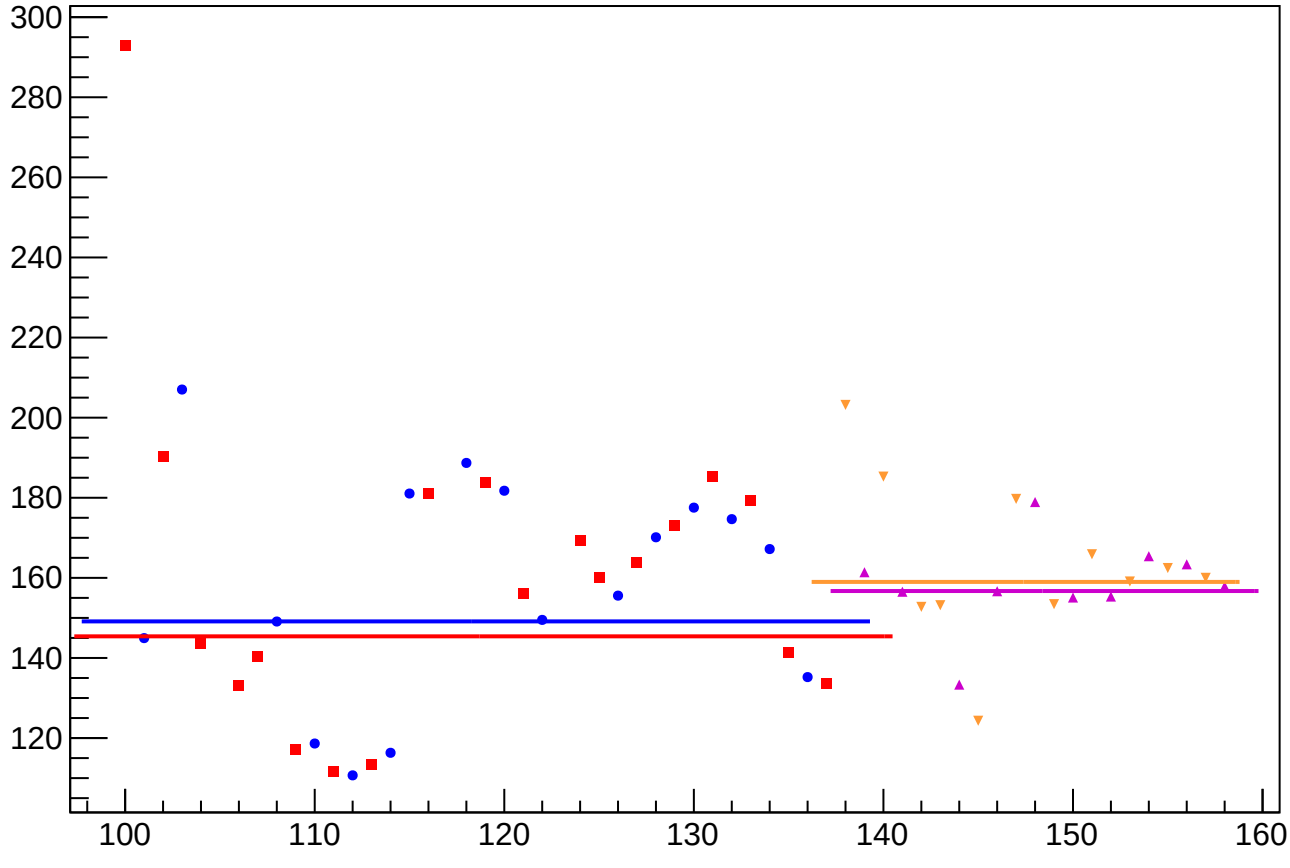
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1185.111+/-0.217 χ^2/NDF:1722498.8/25

Out: 1157.233+/-0.211 χ^2/NDF:2007366.1/29

All: 1170.826+/-0.151 χ^2/NDF: 3738346.7/55


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: -1.590+/-54.671 χ²/NDF:8.2/10
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 53.544+/-53.579 χ²/NDF:9.5/9
Left: 26.533+/-38.266 χ²/NDF: 18.2/20
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: -1.767+/-38.954 χ²/NDF:22.6/25
Out: 26.321+/-38.684 χ²/NDF:28.2/29
All: 12.375+/-27.448 χ²/NDF: 51.1/55



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.989+/-0.039 χ^2/NDF:259786.8/10

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 156.713+/-0.038 χ^2/NDF:88466.1/9

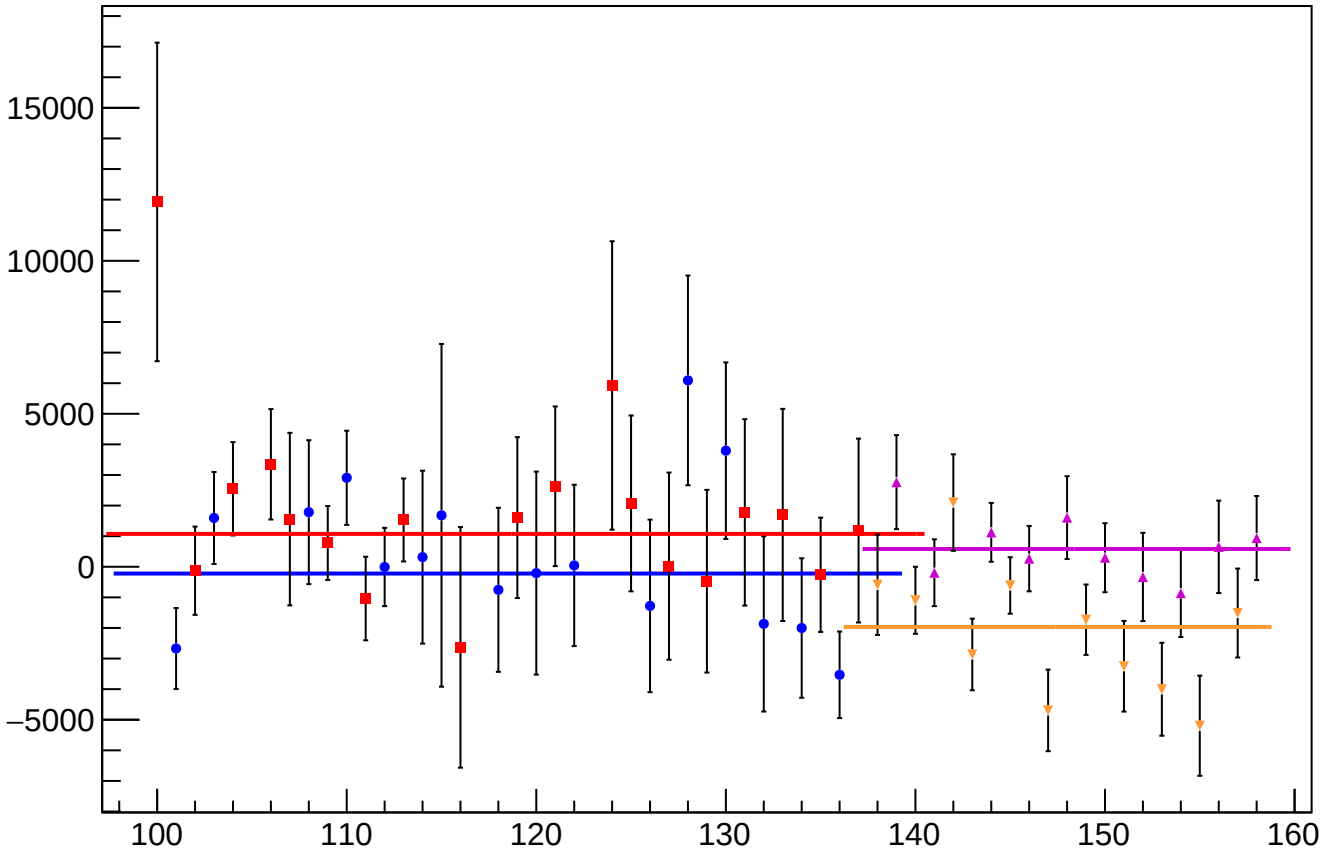
Left: 157.828+/-0.027 χ^2/NDF: 350021.2/20

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 153.138+/-0.028 χ^2/NDF:558355.3/25

Out: 152.203+/-0.027 χ^2/NDF:847318.9/29

All: 152.668+/-0.019 χ^2/NDF: 1406254.7/55



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1968.111+/-390.288 χ^2/NDF:21.5/10

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 580.819+/-392.431 χ^2/NDF:5.1/9

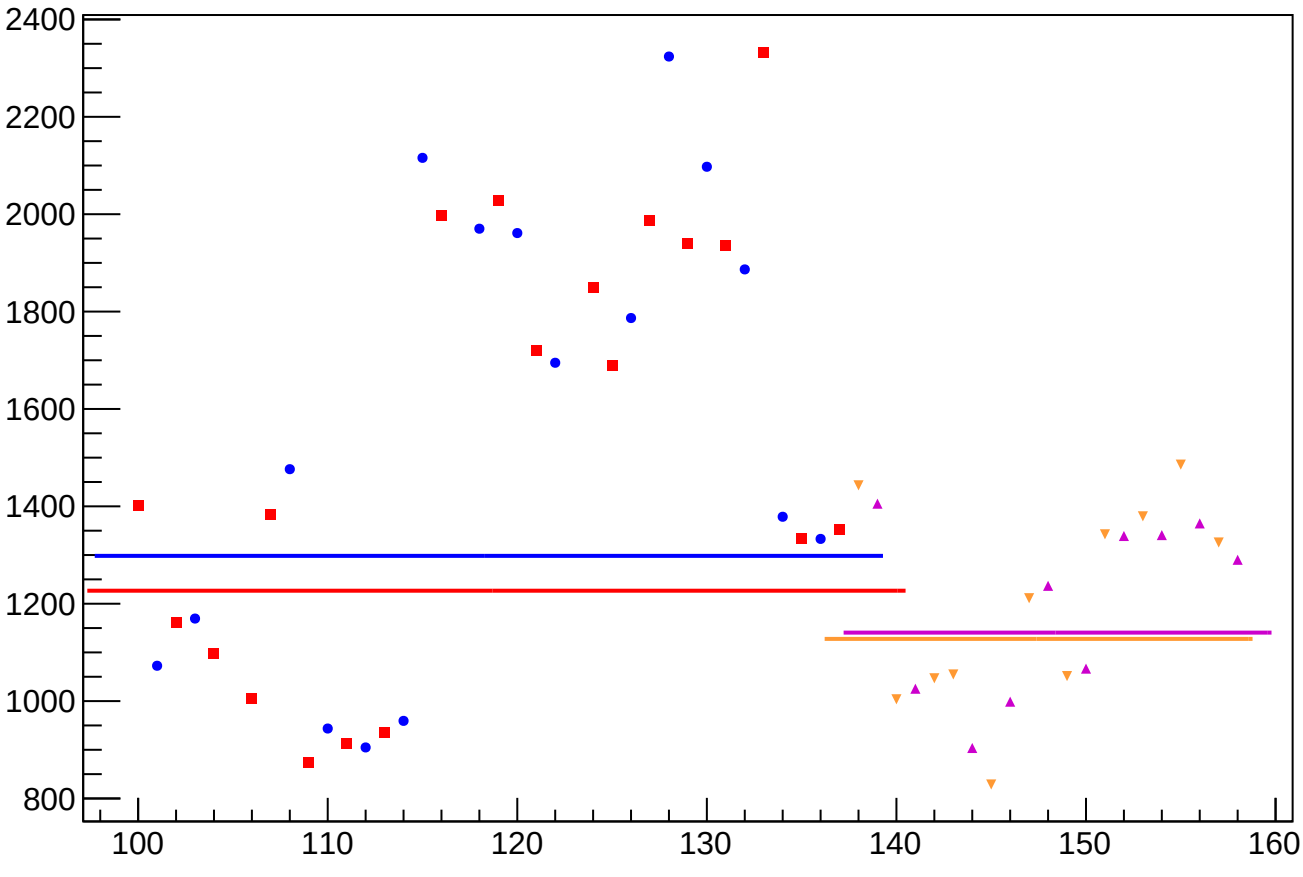
Left: -700.623+/-276.730 χ^2/NDF: 47.8/20

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 279.732+/-310.146 χ^2/NDF:28.5/25

Out: -735.124+/-300.991 χ^2/NDF:59.7/29

All: -242.896+/-215.997 χ^2/NDF: 93.7/55



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1127.755+/-0.276 χ^2/NDF:568826.5/10

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1140.670+/-0.277 χ^2/NDF:402203.0/9

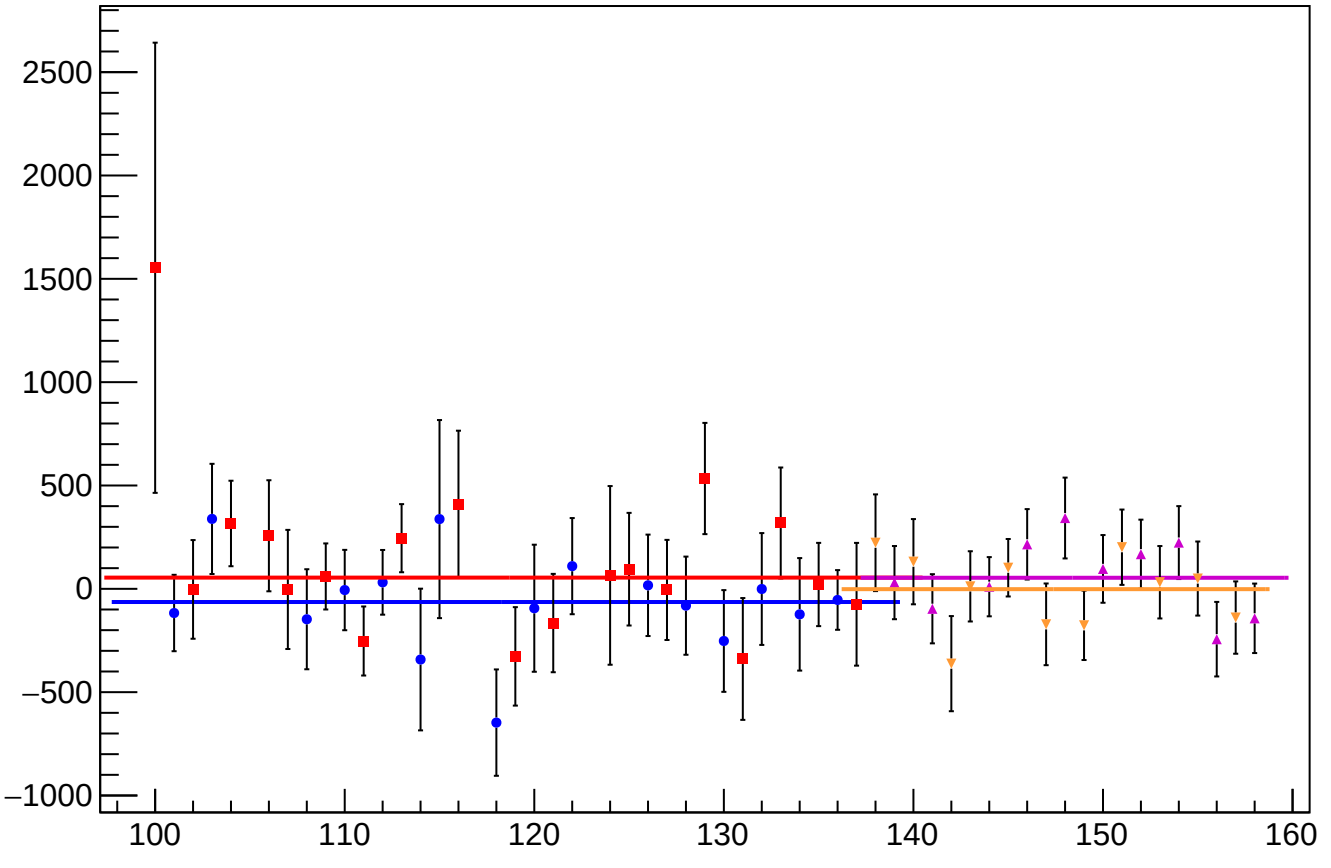
Left: 1134.177+/-0.196 χ^2/NDF: 972118.6/20

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1199.840+/-0.219 χ^2/NDF:1705450.2/25

Out: 1167.864+/-0.213 χ^2/NDF:2025470.1/29

All: 1183.373+/-0.153 χ^2/NDF: 3741868.7/55



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -1.589+/-54.671 χ^2/NDF:8.2/10

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 53.544+/-53.579 χ^2/NDF:9.5/9

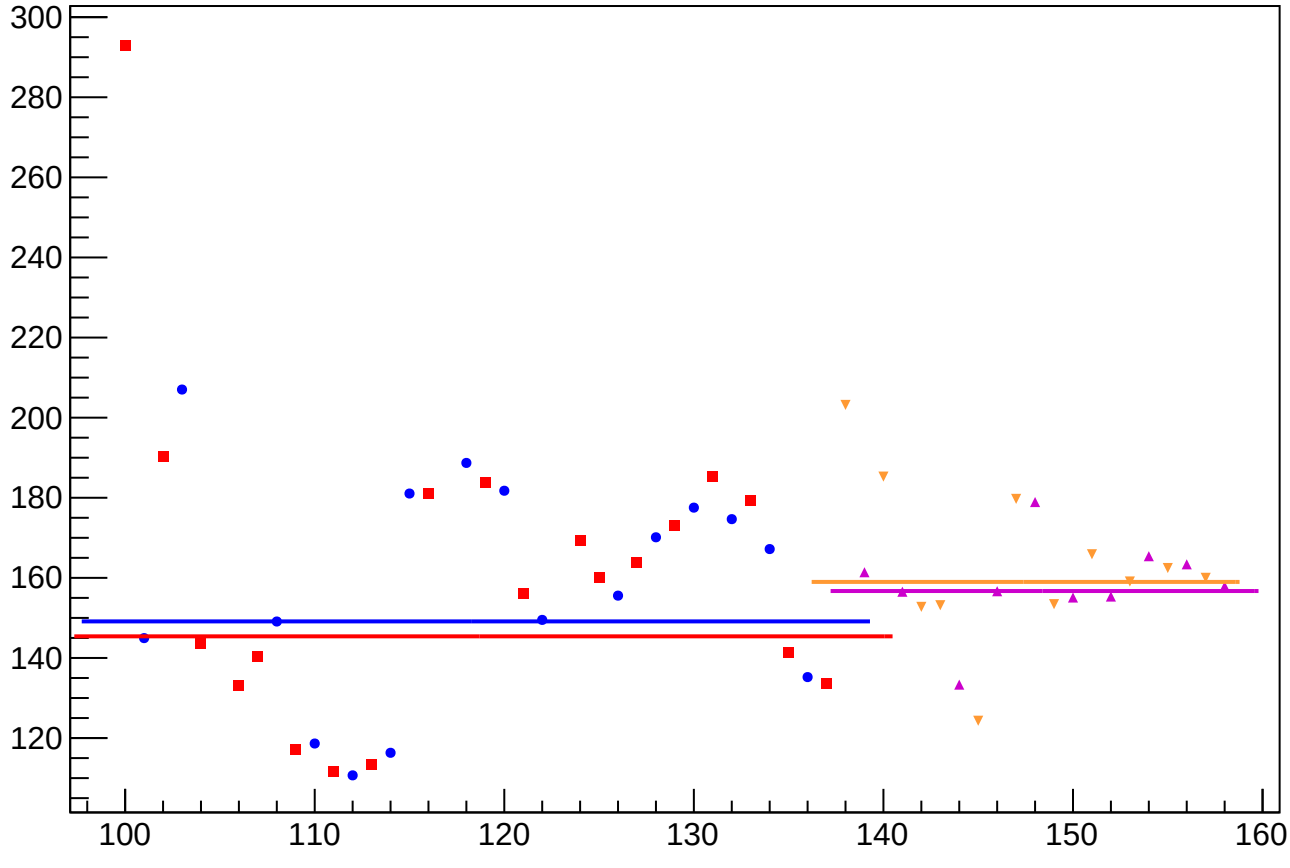
Left: 26.534+/-38.267 χ^2/NDF: 18.2/20

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -1.765+/-38.954 χ^2/NDF:22.6/25

Out: 26.321+/-38.684 χ^2/NDF:28.2/29

All: 12.376+/-27.448 χ^2/NDF: 51.1/55



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.990+/-0.039 χ^2/NDF:259780.8/10

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 156.714+/-0.038 χ^2/NDF:88464.6/9

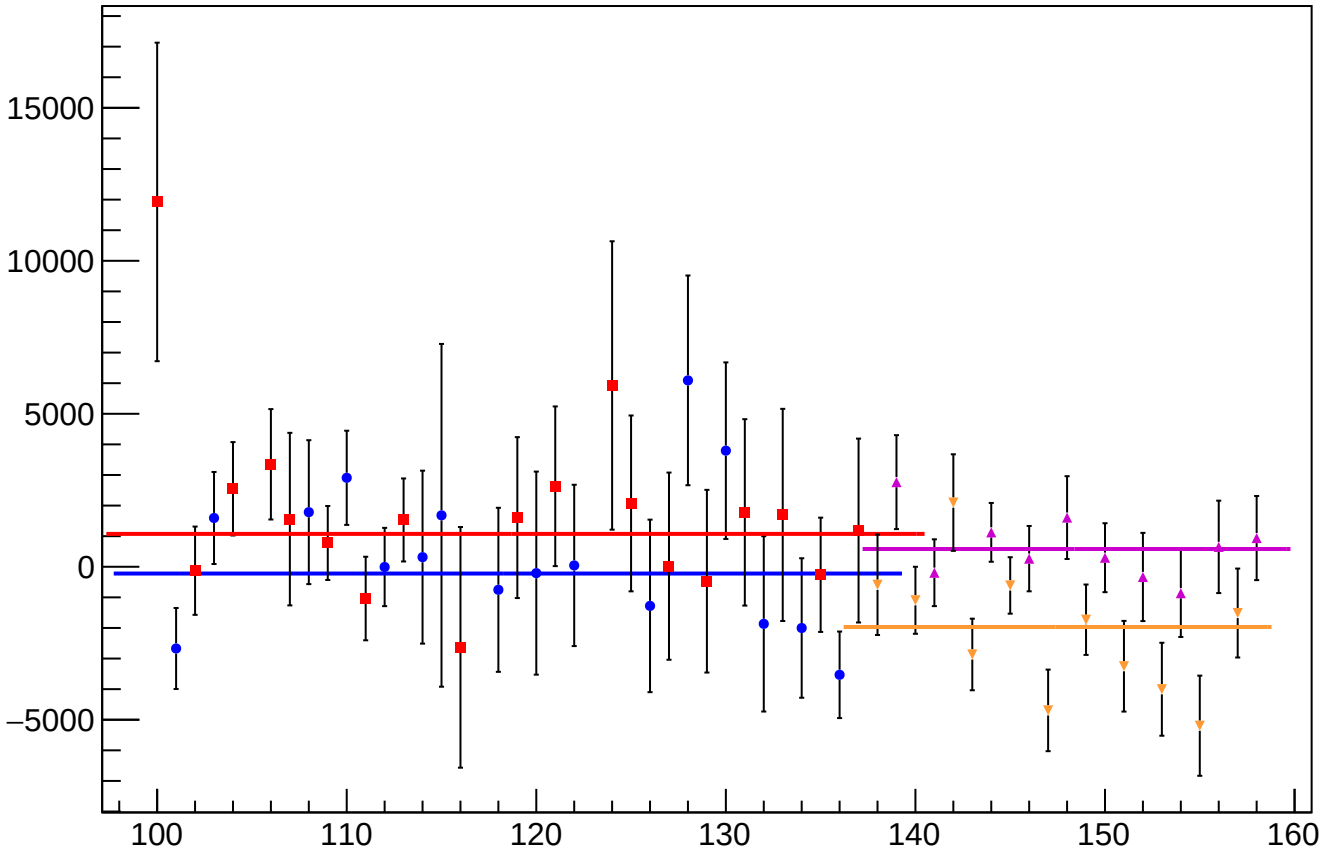
Left: 157.829+/-0.027 χ^2/NDF: 350013.8/20

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 153.139+/-0.028 χ^2/NDF:558357.2/25

Out: 152.203+/-0.027 χ^2/NDF:847319.4/29

All: 152.668+/-0.019 χ^2/NDF: 1406257.1/55



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1968.109+/-390.288 χ^2/NDF:21.5/10

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 580.818+/-392.430 χ^2/NDF:5.1/9

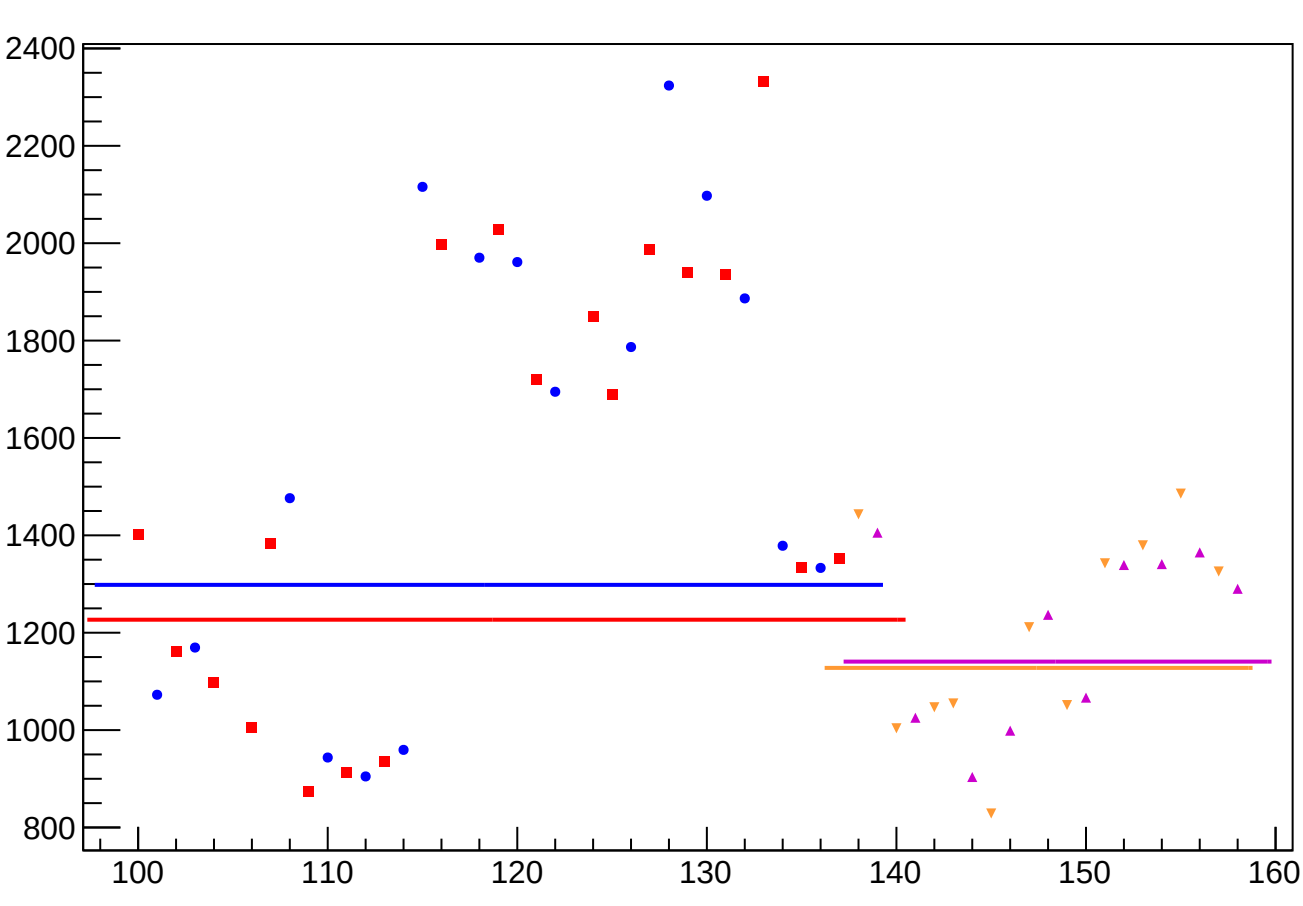
Left: -700.623+/-276.730 χ^2/NDF: 47.8/20

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 279.731+/-310.146 χ^2/NDF:28.5/25

Out: -735.124+/-300.990 χ^2/NDF:59.7/29

All: -242.896+/-215.997 χ^2/NDF: 93.7/55



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1127.753+/-0.276 χ^2/NDF:568829.2/10

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1140.669+/-0.277 χ^2/NDF:402201.7/9

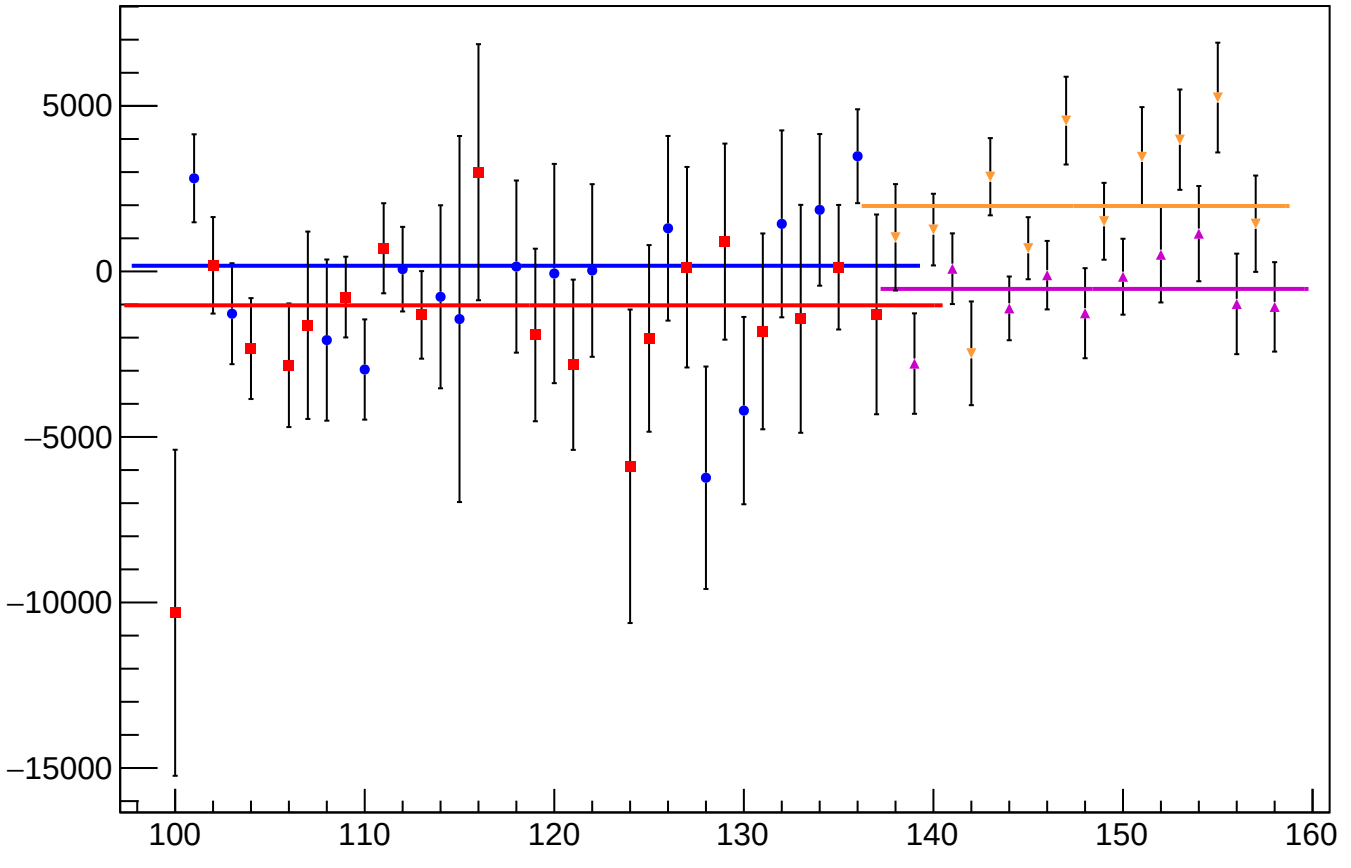
Left: 1134.176+/-0.196 χ^2/NDF: 972120.1/20

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1199.839+/-0.219 χ^2/NDF:1705452.6/25

Out: 1167.862+/-0.213 χ^2/NDF:2025476.0/29

All: 1183.372+/-0.153 χ^2/NDF: 3741877.3/55



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1976.697+/-390.822 χ^2/NDF:22.0/10

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -528.120+/-390.132 χ^2/NDF:5.6/9

Left: 722.078+/-276.109 χ^2/NDF: 48.1/20

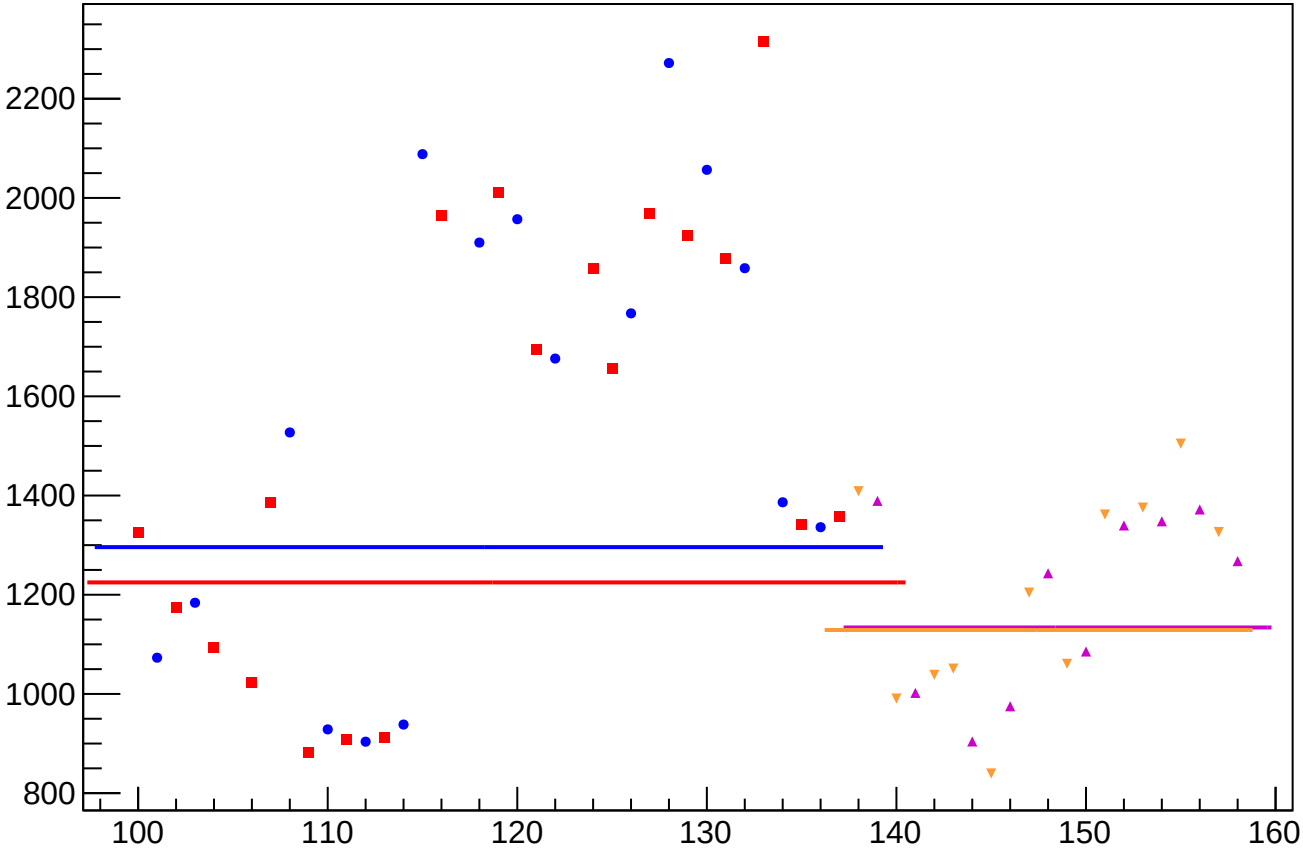
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -266.888+/-308.765 χ^2/NDF:29.4/25

Out: 756.340+/-301.026 χ^2/NDF:57.5/29

All: 257.710+/-215.542 χ^2/NDF: 92.5/55

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1128.902+/-0.276 χ^2/NDF:553261.4/10

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1134.002+/-0.276 χ^2/NDF:418344.5/9

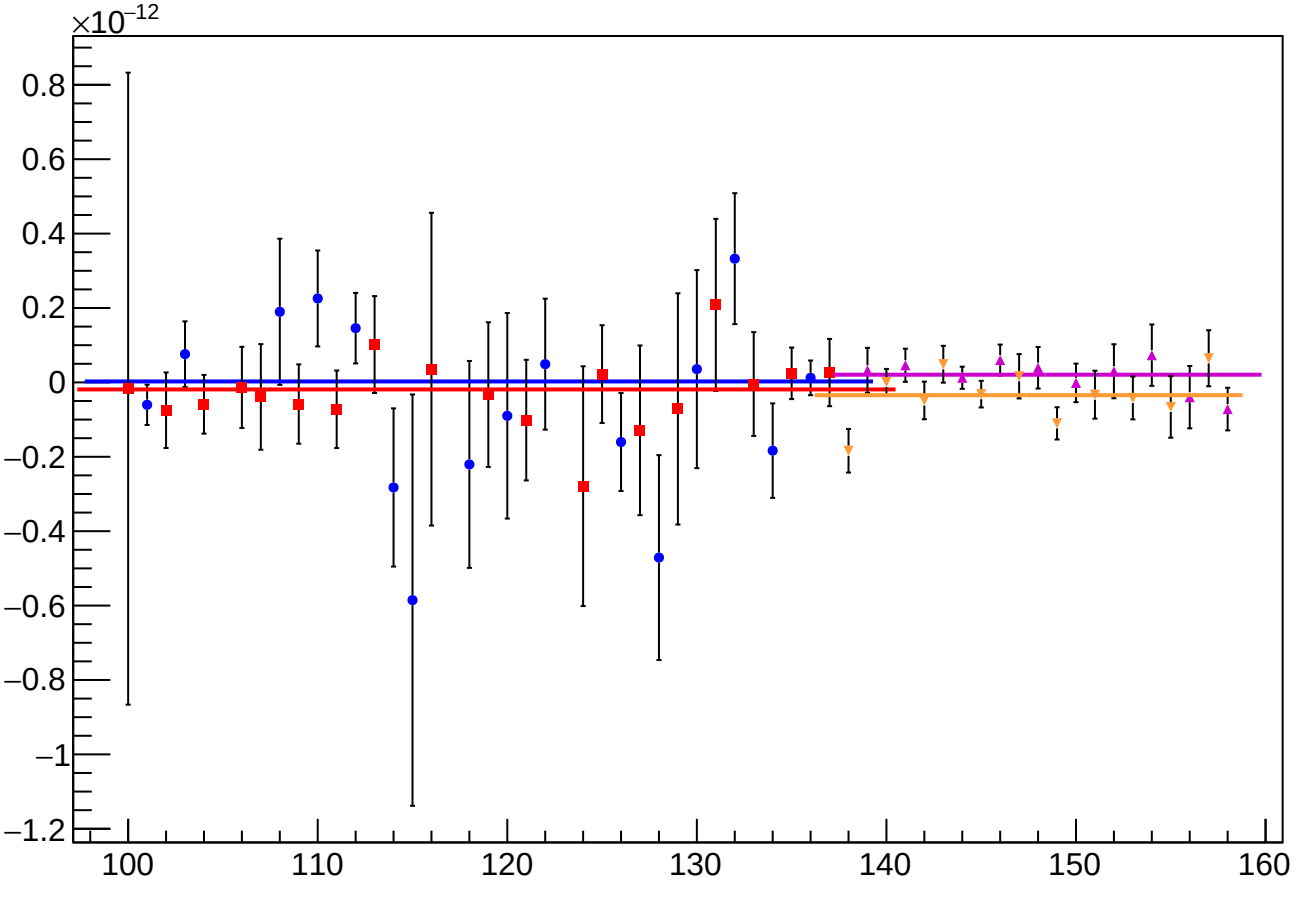
Left: 1131.456+/-0.195 χ^2/NDF: 971776.6/20

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1194.524+/-0.218 χ^2/NDF:1701353.6/25

Out: 1167.936+/-0.213 χ^2/NDF:1973598.3/29

All: 1180.893+/-0.152 χ^2/NDF: 3682555.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

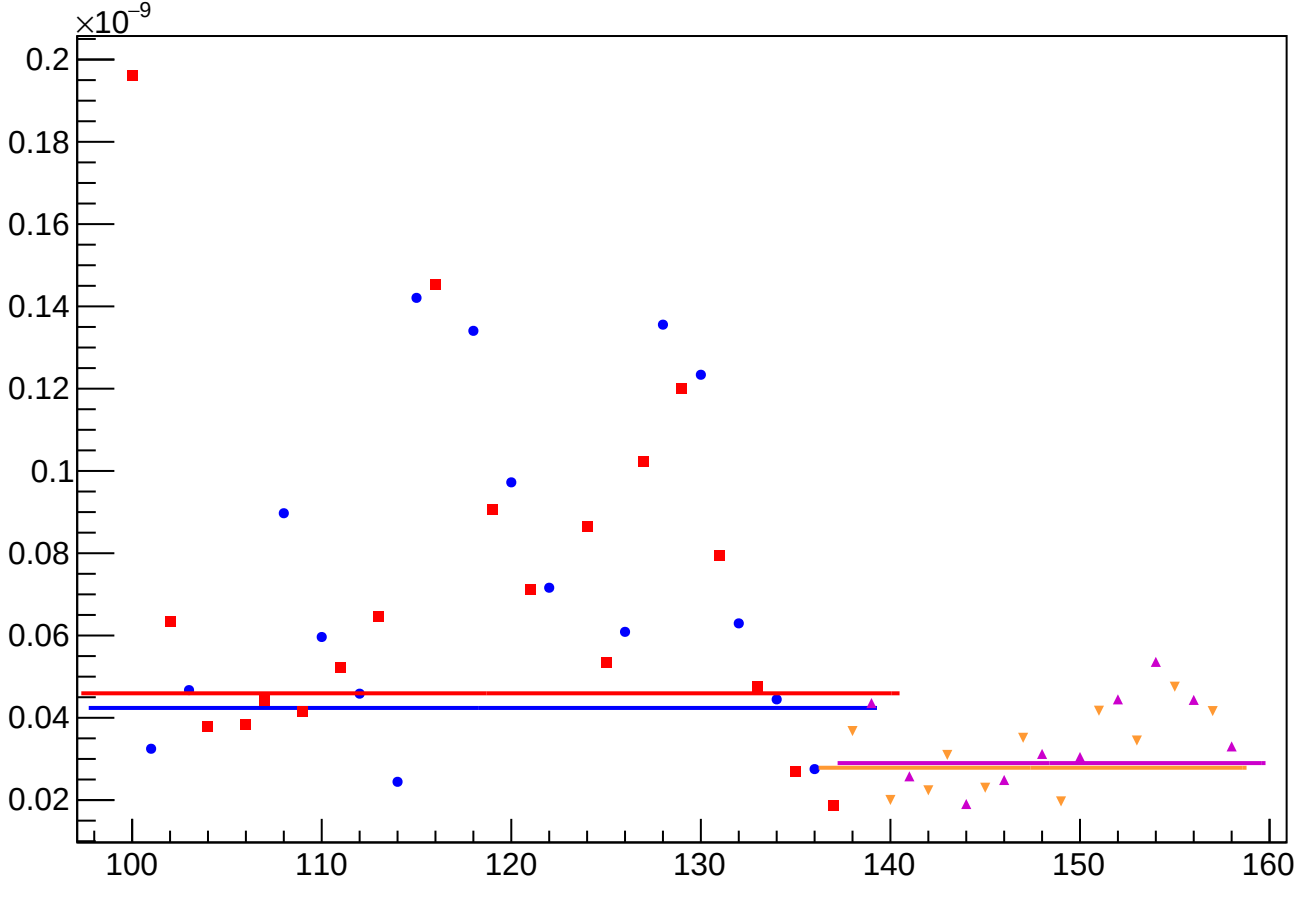
Left: -0.000+/-0.000 χ^2/NDF: 27.5/20

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:27.7/25

Out: -0.000+/-0.000 χ^2/NDF:21.0/29

All: -0.000+/-0.000 χ^2/NDF: 54.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:612816.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:720150.5/9

Left: 0.000+/-0.000 χ^2/NDF: 1338263.5/20

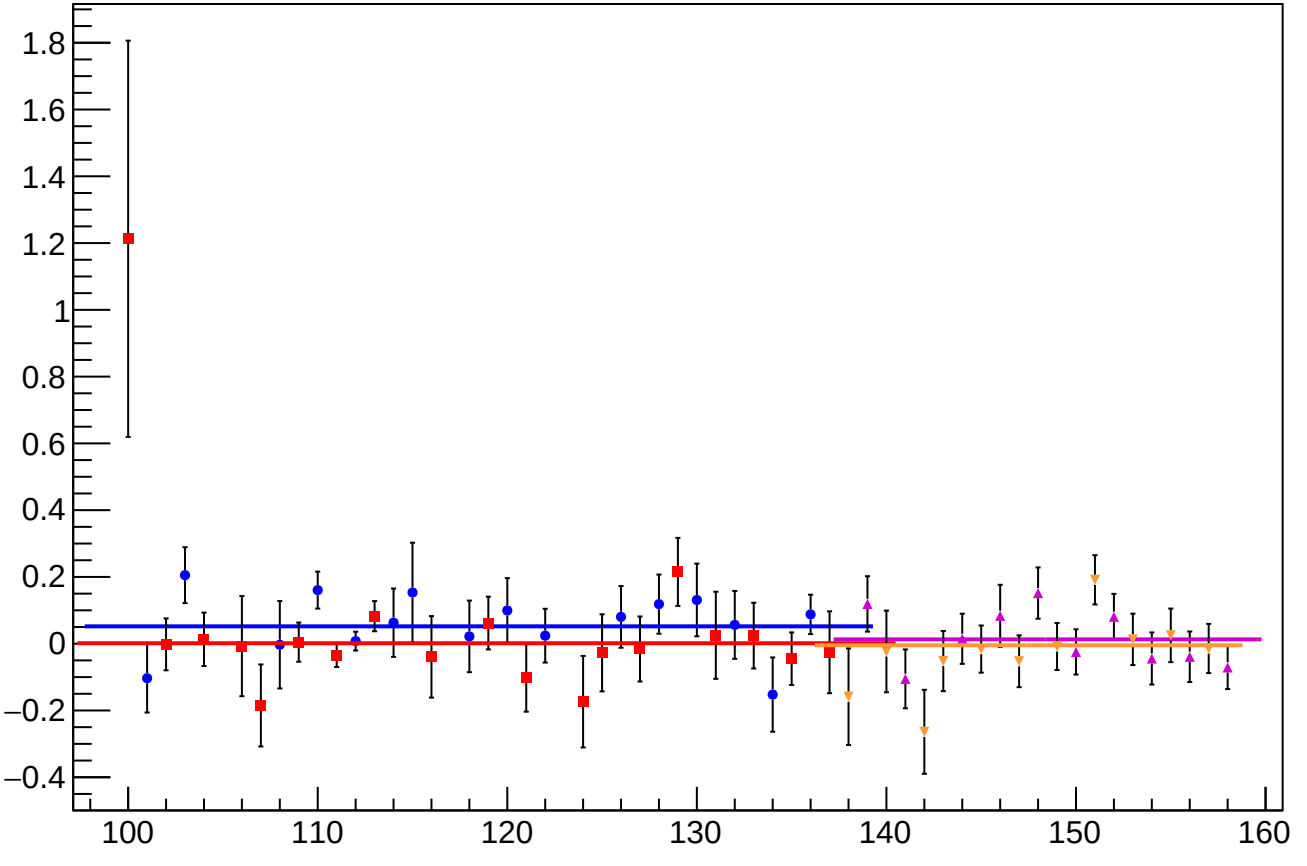
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2431017.9/25

Out: 0.000+/-0.000 χ^2/NDF:2346487.5/29

All: 0.000+/-0.000 χ^2/NDF: 4780167.9/55

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.013+/-0.024 χ^2/NDF:11.2/9

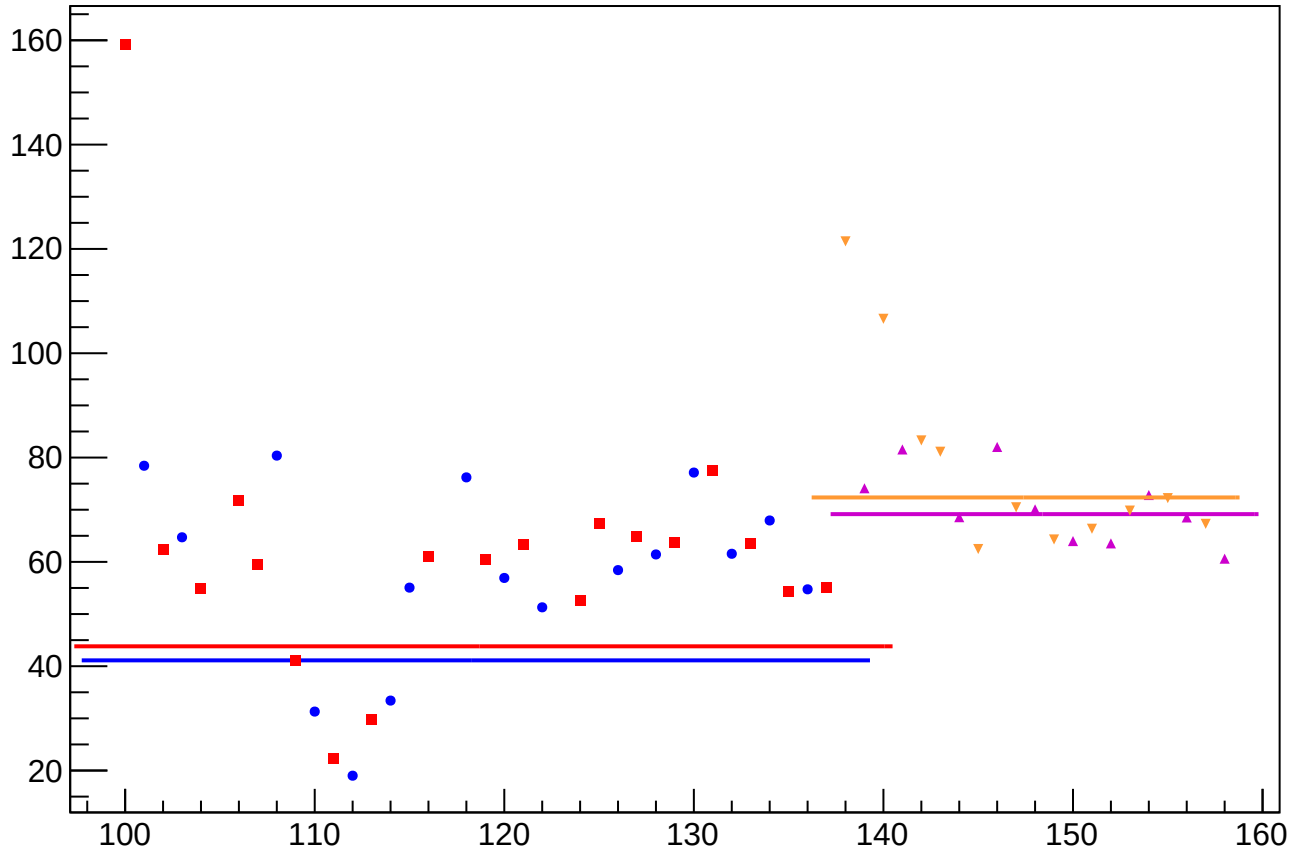
Left: 0.005+/-0.017 χ^2/NDF: 24.9/20

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.038+/-0.014 χ^2/NDF:30.9/25

Out: -0.001+/-0.015 χ^2/NDF:32.6/29

All: 0.019+/-0.010 χ^2/NDF: 67.2/55



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.354+/-0.018 χ^2/NDF:512489.6/10

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.155+/-0.017 χ^2/NDF:149667.9/9

Left: 70.666+/-0.012 χ^2/NDF: 679013.4/20

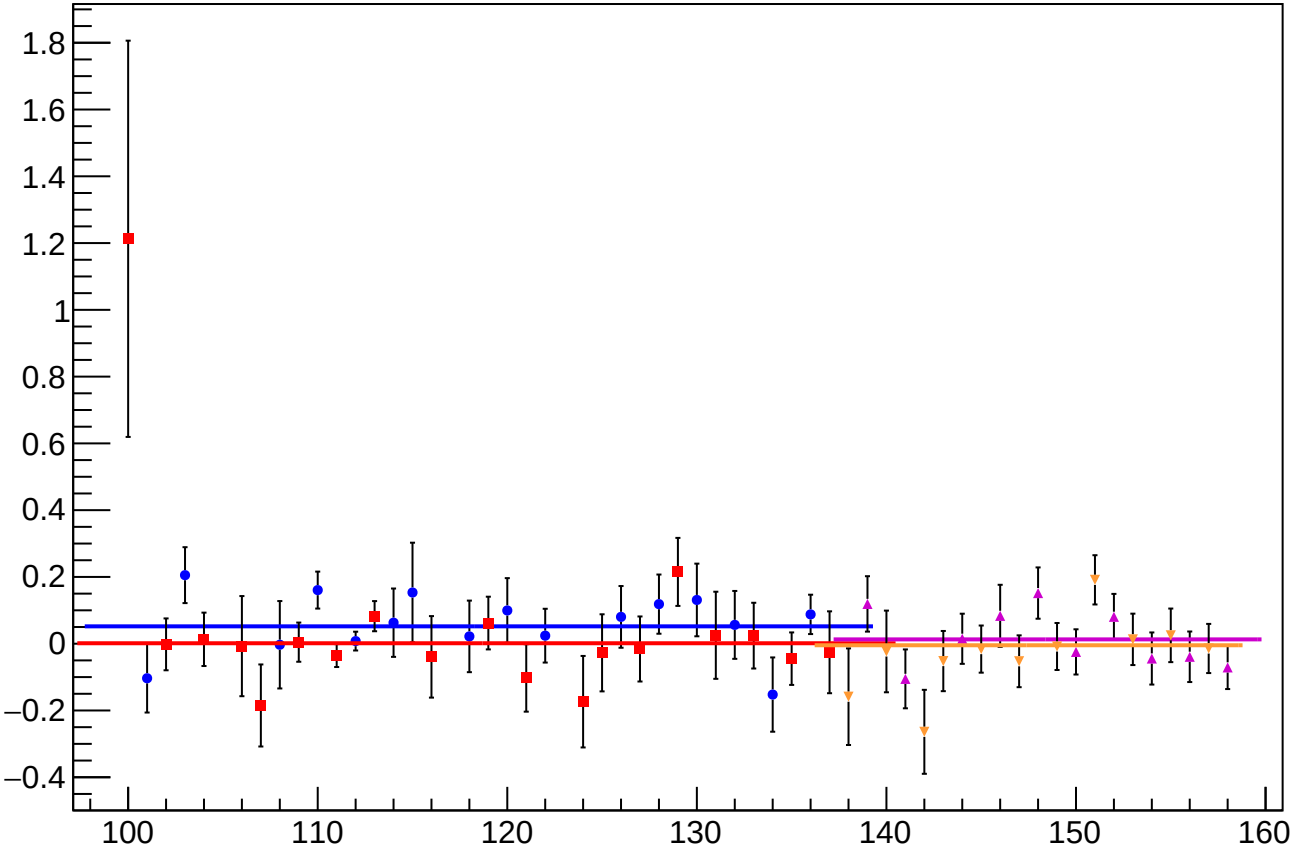
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 51.076+/-0.010 χ^2/NDF:4842339.0/25

Out: 53.350+/-0.010 χ^2/NDF:4254689.8/29

All: 52.185+/-0.007 χ^2/NDF: 9121796.6/55

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.013+/-0.024 χ^2/NDF:11.2/9

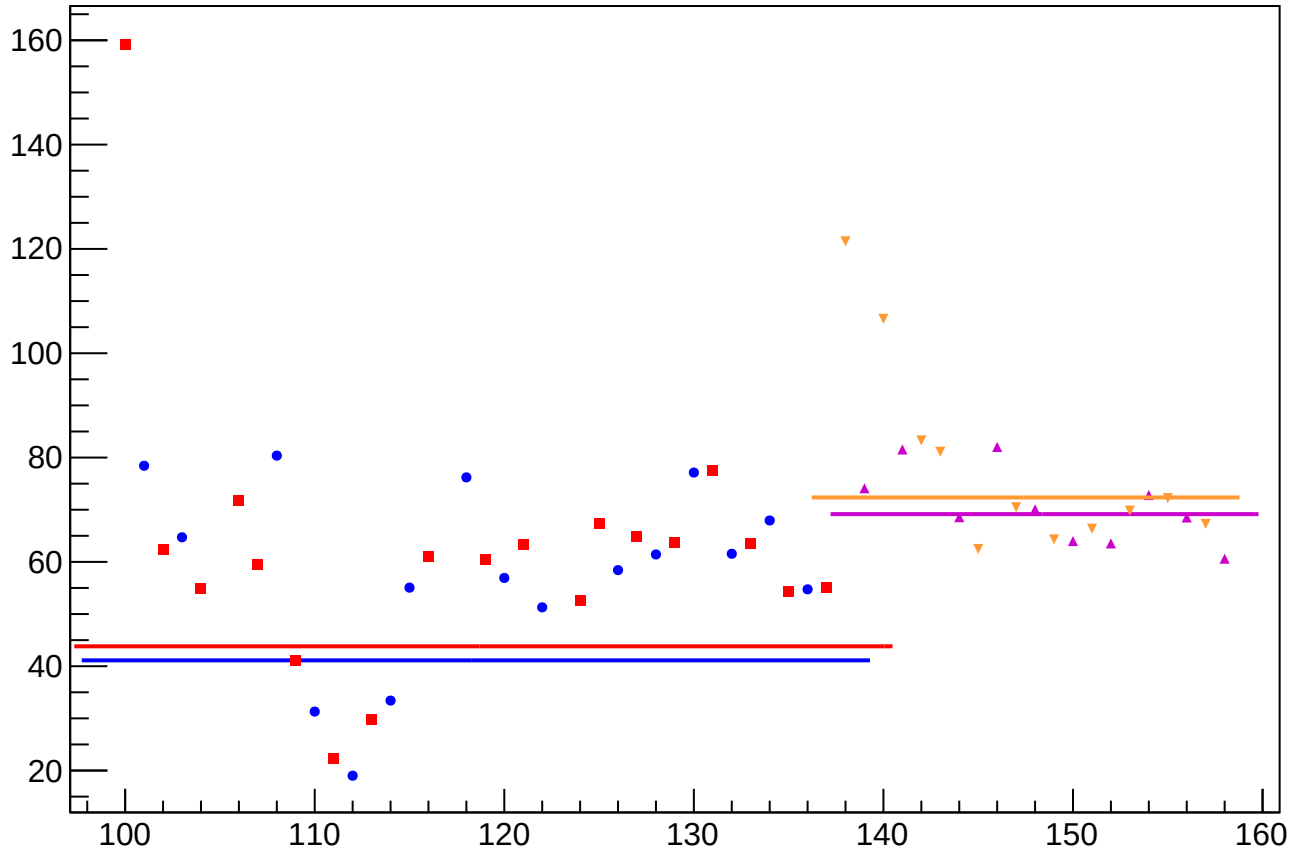
Left: 0.005+/-0.017 χ^2/NDF: 24.9/20

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.038+/-0.014 χ^2/NDF:30.9/25

Out: -0.001+/-0.015 χ^2/NDF:32.6/29

All: 0.019+/-0.010 χ^2/NDF: 67.2/55



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.354+/-0.018 χ^2/NDF:512489.6/10

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.155+/-0.017 χ^2/NDF:149667.9/9

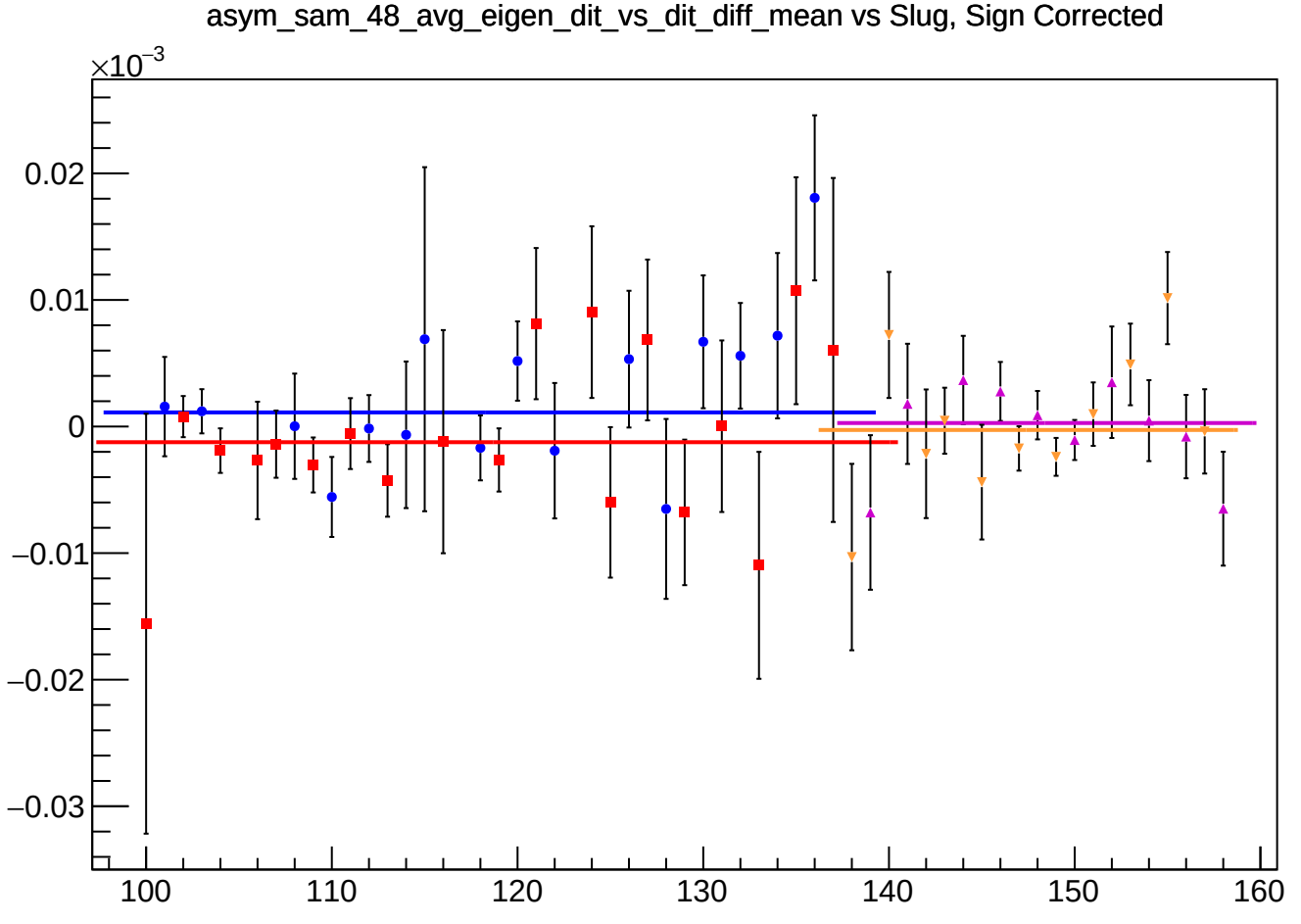
Left: 70.666+/-0.012 χ^2/NDF: 679013.4/20

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 51.076+/-0.010 χ^2/NDF:4842339.0/25

Out: 53.350+/-0.010 χ^2/NDF:4254689.8/29

All: 52.185+/-0.007 χ^2/NDF: 9121796.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/9

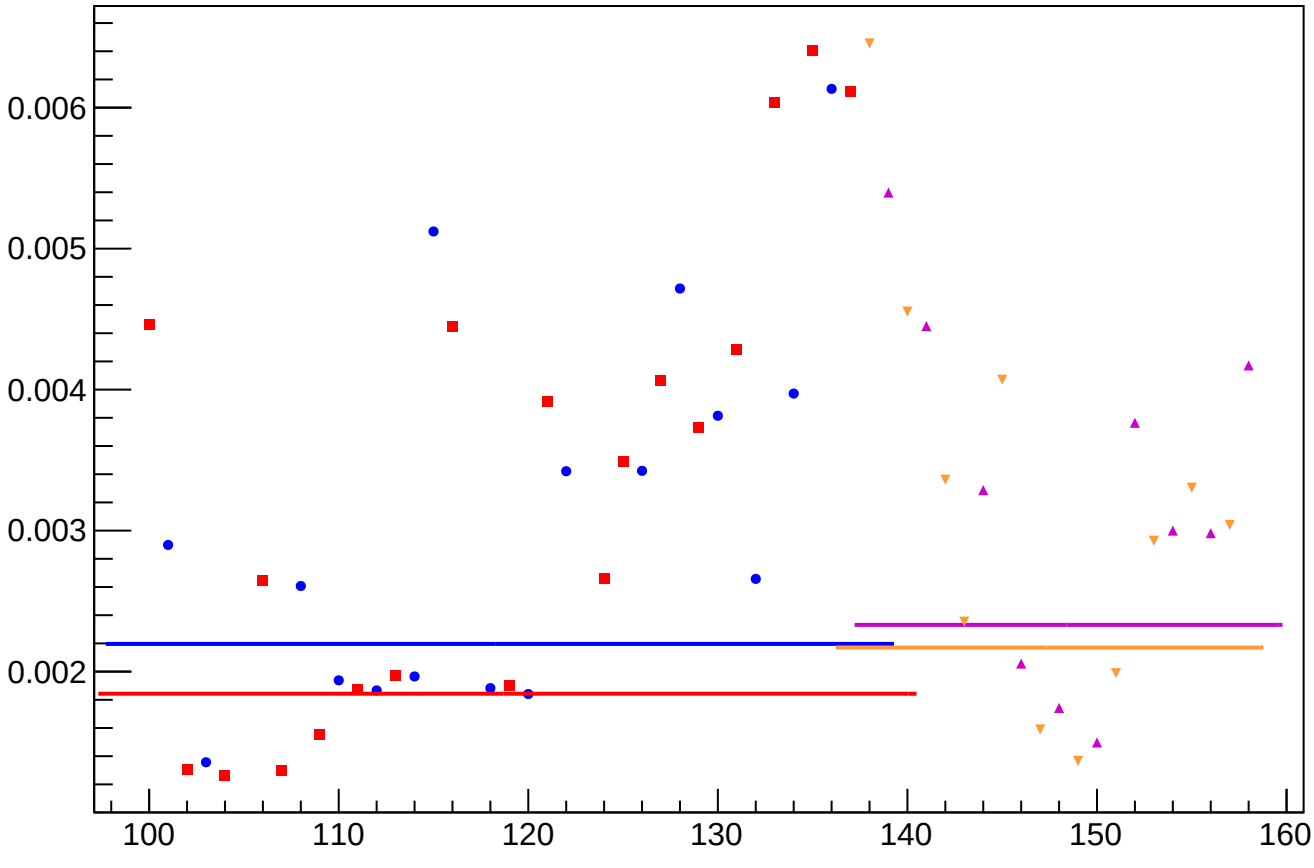
Left: -0.000+/-0.000 χ^2/NDF: 26.4/20

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:27.6/25

Out: -0.000+/-0.000 χ^2/NDF:35.6/29

All: -0.000+/-0.000 χ^2/NDF: 66.2/55



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2854923.9/10

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2537469.5/9

Left: 0.002+/-0.000 χ^2/NDF: 5428350.4/20

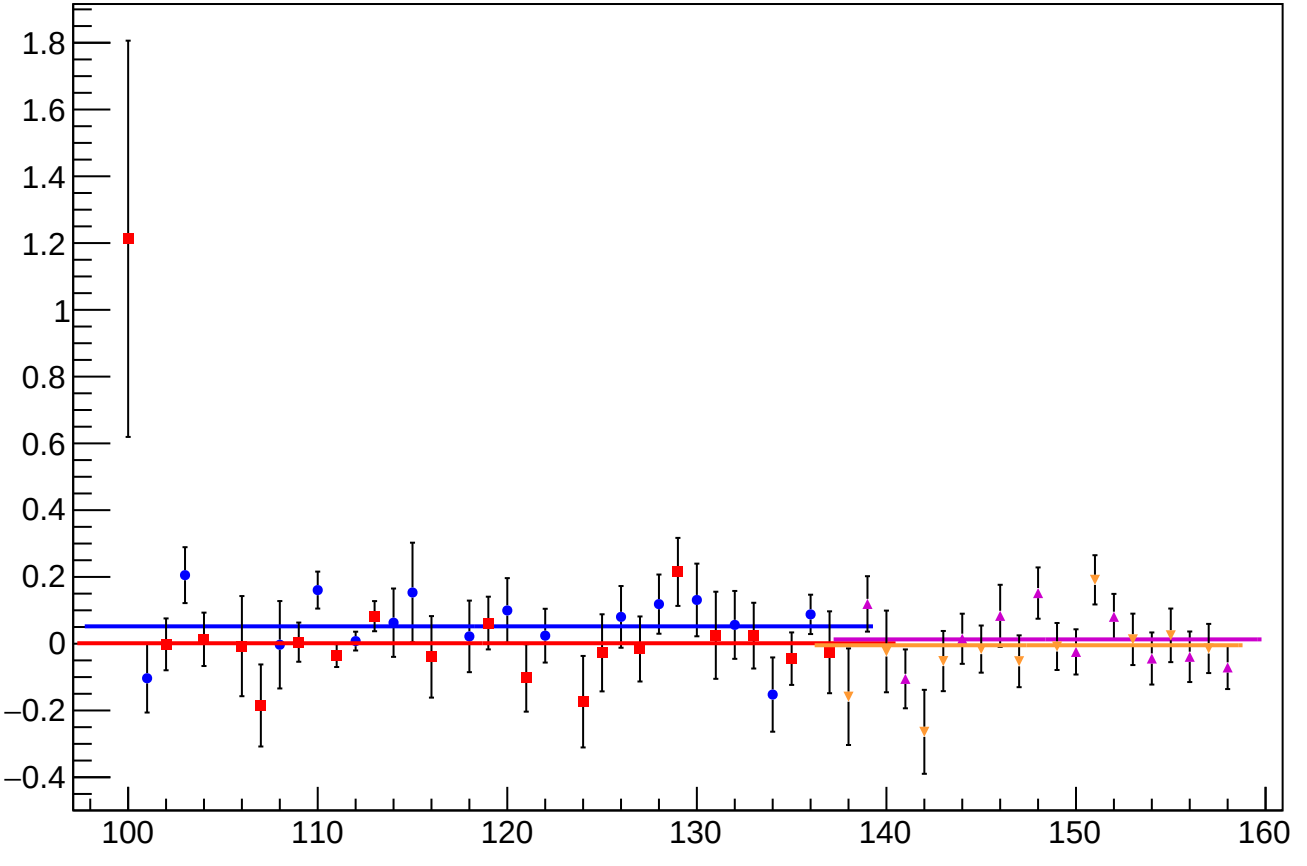
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:4853301.9/25

Out: 0.002+/-0.000 χ^2/NDF:6163220.2/29

All: 0.002+/-0.000 χ^2/NDF: 11223399.3/55

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: -0.005+/-0.025 χ^2/NDF:13.4/10

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.013+/-0.024 χ^2/NDF:11.2/9

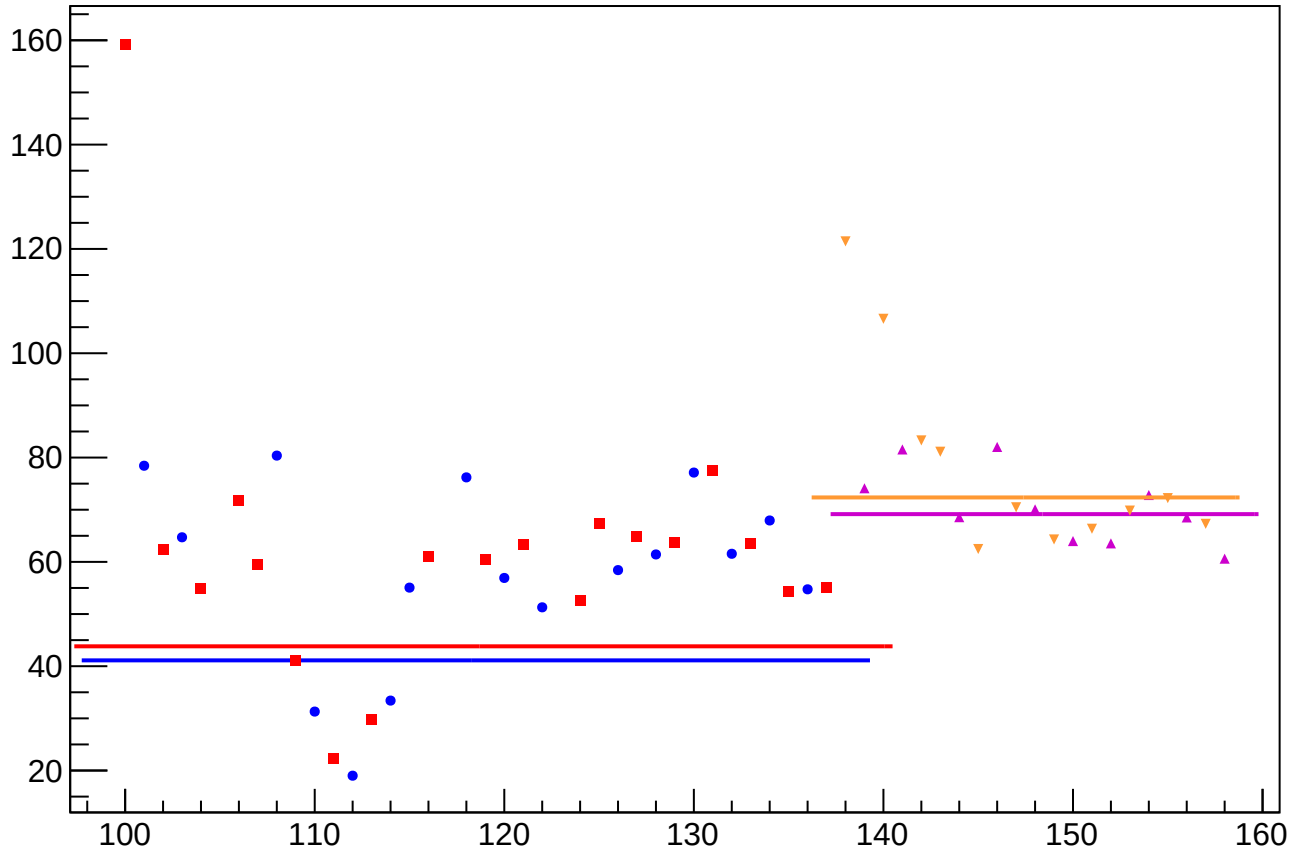
Left: 0.005+/-0.017 χ^2/NDF: 24.9/20

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.038+/-0.014 χ^2/NDF:30.9/25

Out: -0.001+/-0.015 χ^2/NDF:32.6/29

All: 0.019+/-0.010 χ^2/NDF: 67.2/55



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.355+/-0.018 χ^2/NDF:512464.9/10

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.156+/-0.017 χ^2/NDF:149666.9/9

Left: 70.667+/-0.012 χ^2/NDF: 678989.0/20

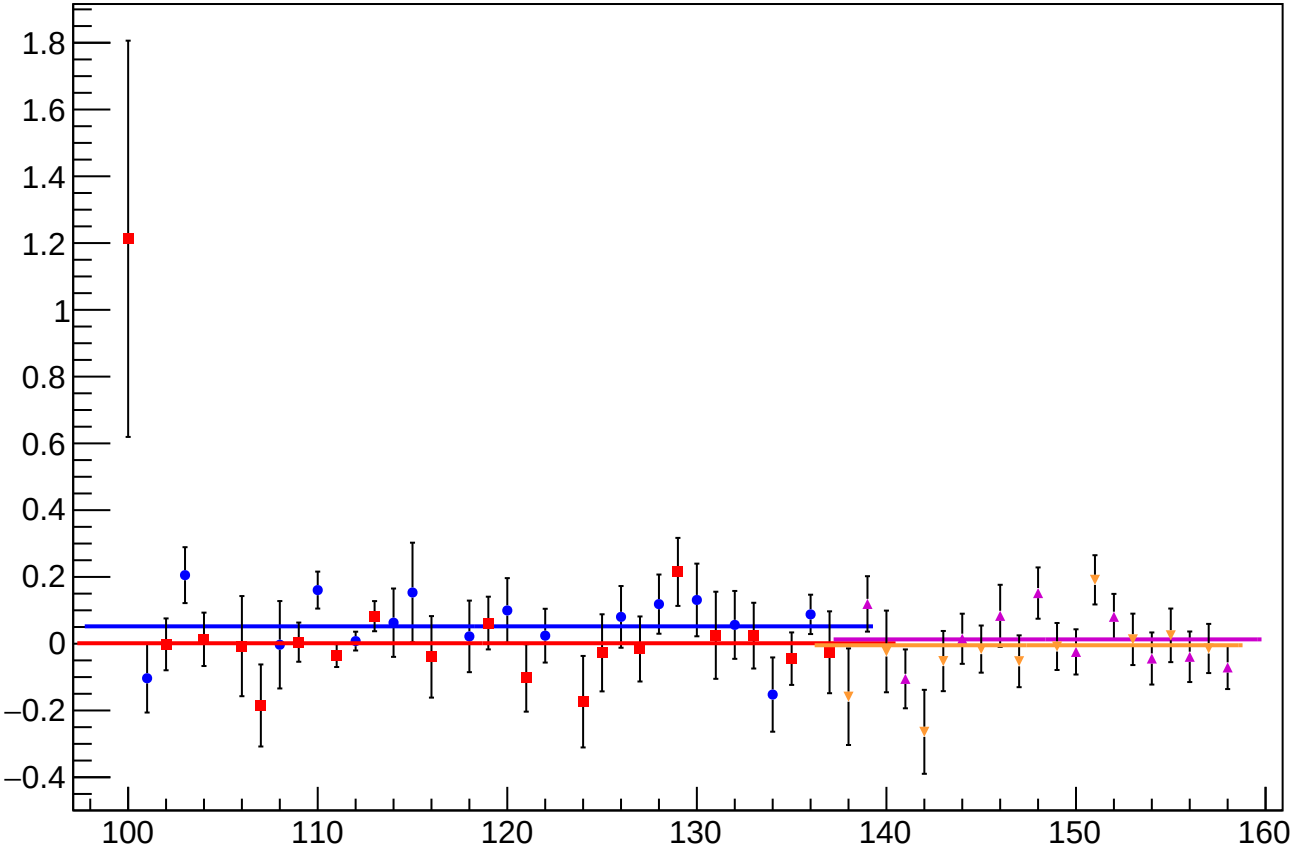
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 51.075+/-0.010 χ^2/NDF:4842706.7/25

Out: 53.350+/-0.010 χ^2/NDF:4255043.9/29

All: 52.184+/-0.007 χ^2/NDF: 9122519.4/55

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: -0.005+/-0.025 χ^2/NDF:13.4/10

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.013+/-0.024 χ^2/NDF:11.2/9

Left: 0.005+/-0.017 χ^2/NDF: 24.9/20

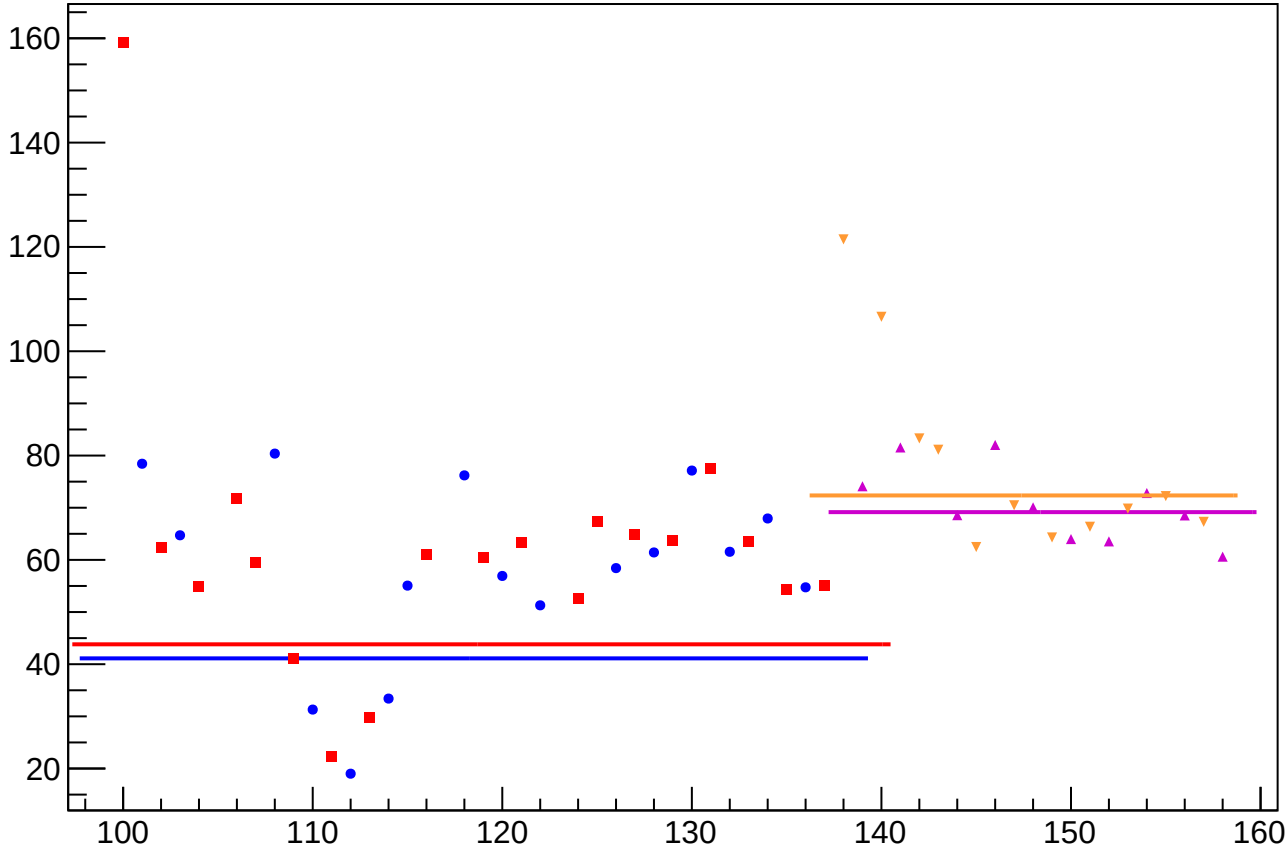
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.038+/-0.014 χ^2/NDF:30.9/25

Out: -0.001+/-0.015 χ^2/NDF:32.6/29

All: 0.019+/-0.010 χ^2/NDF: 67.2/55

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: 72.355+/-0.018 χ^2/NDF:512464.9/10

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.156+/-0.017 χ^2/NDF:149666.9/9

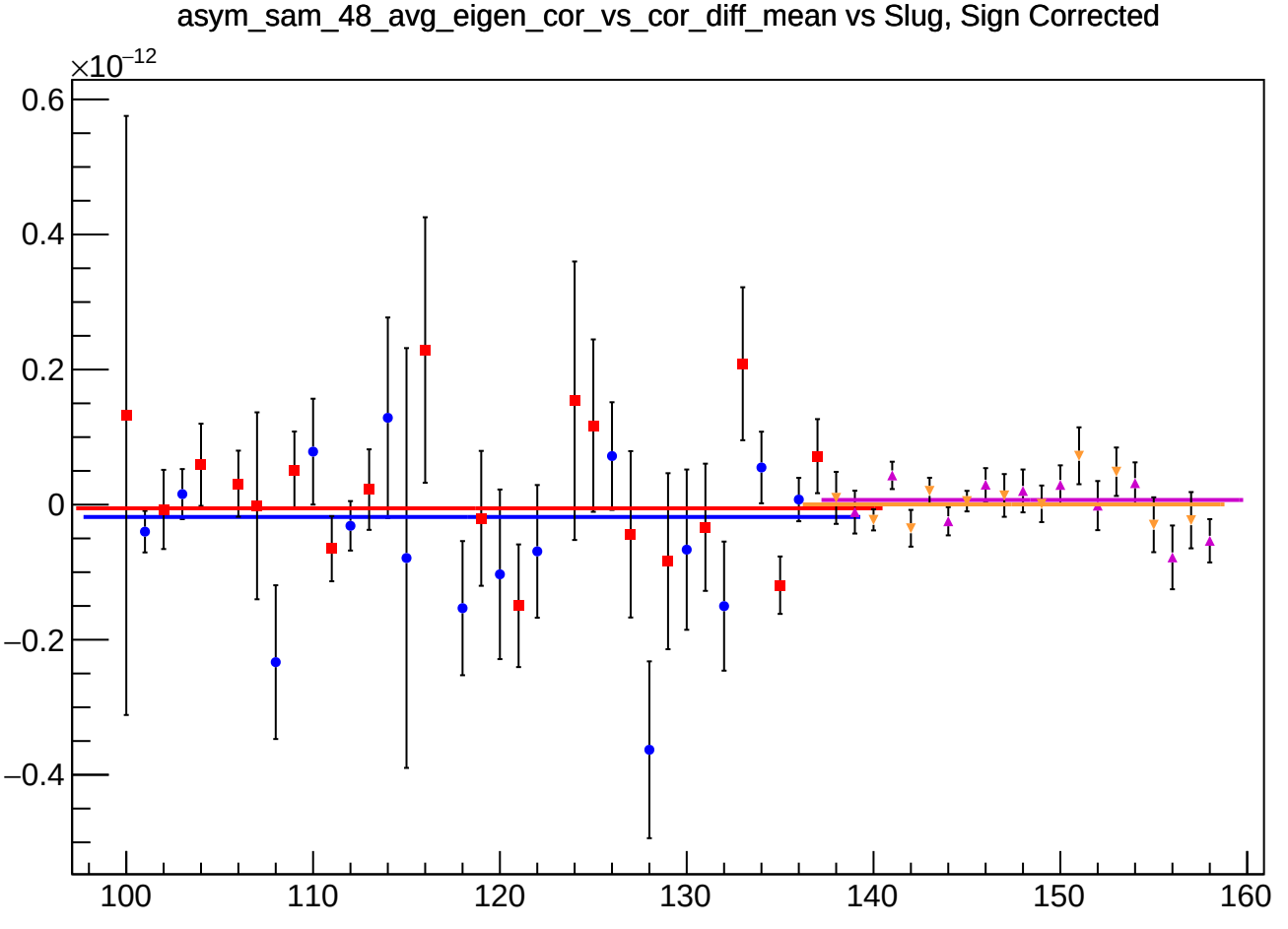
Left: 70.667+/-0.012 χ^2/NDF: 678989.0/20

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 51.075+/-0.010 χ^2/NDF:4842706.7/25

Out: 53.350+/-0.010 χ^2/NDF:4255043.9/29

All: 52.184+/-0.007 χ^2/NDF: 9122519.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/9

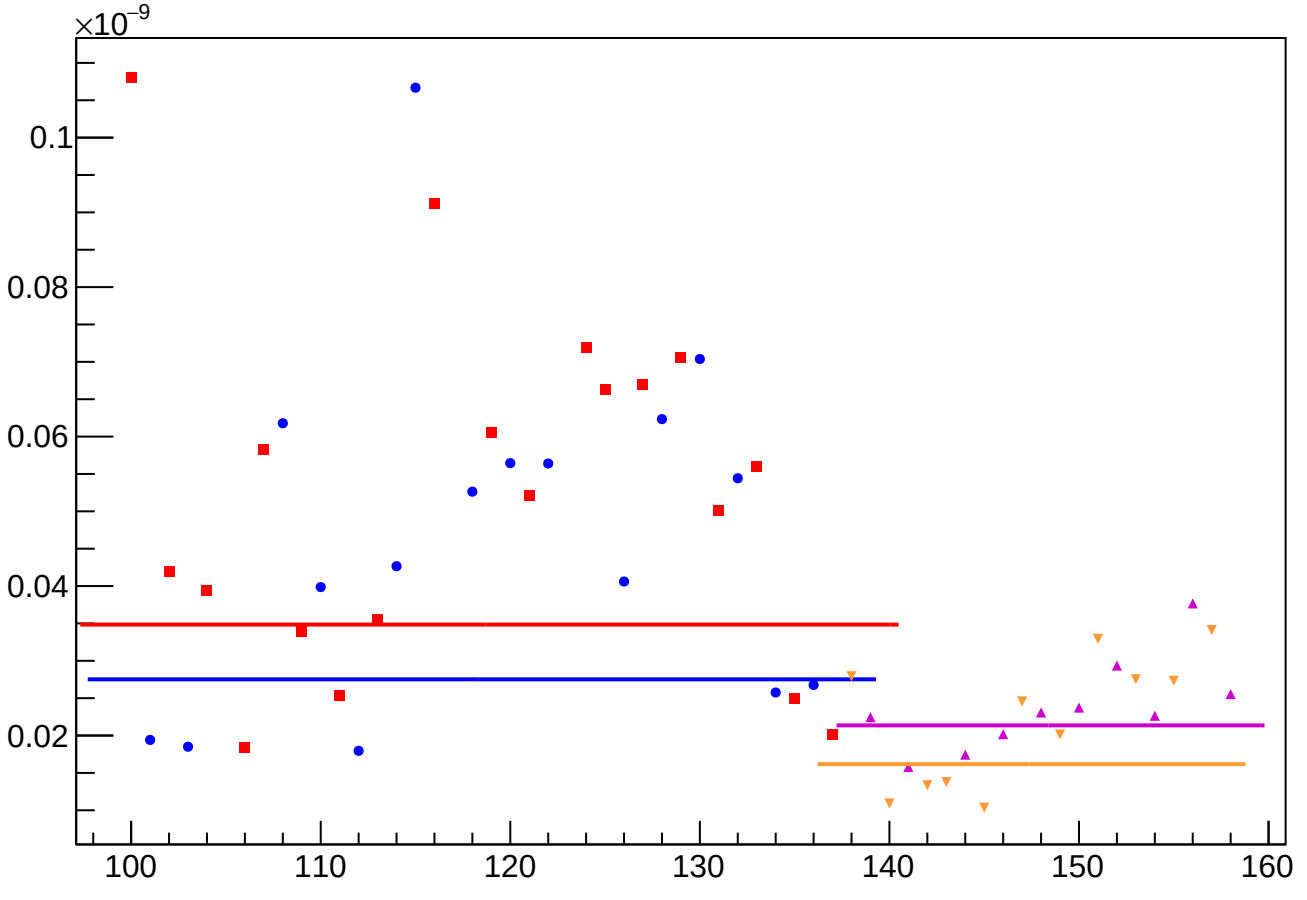
Left: 0.000+/-0.000 χ^2/NDF: 26.1/20

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:40.1/25

Out: -0.000+/-0.000 χ^2/NDF:34.3/29

All: -0.000+/-0.000 χ^2/NDF: 74.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1983304.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:621696.2/9

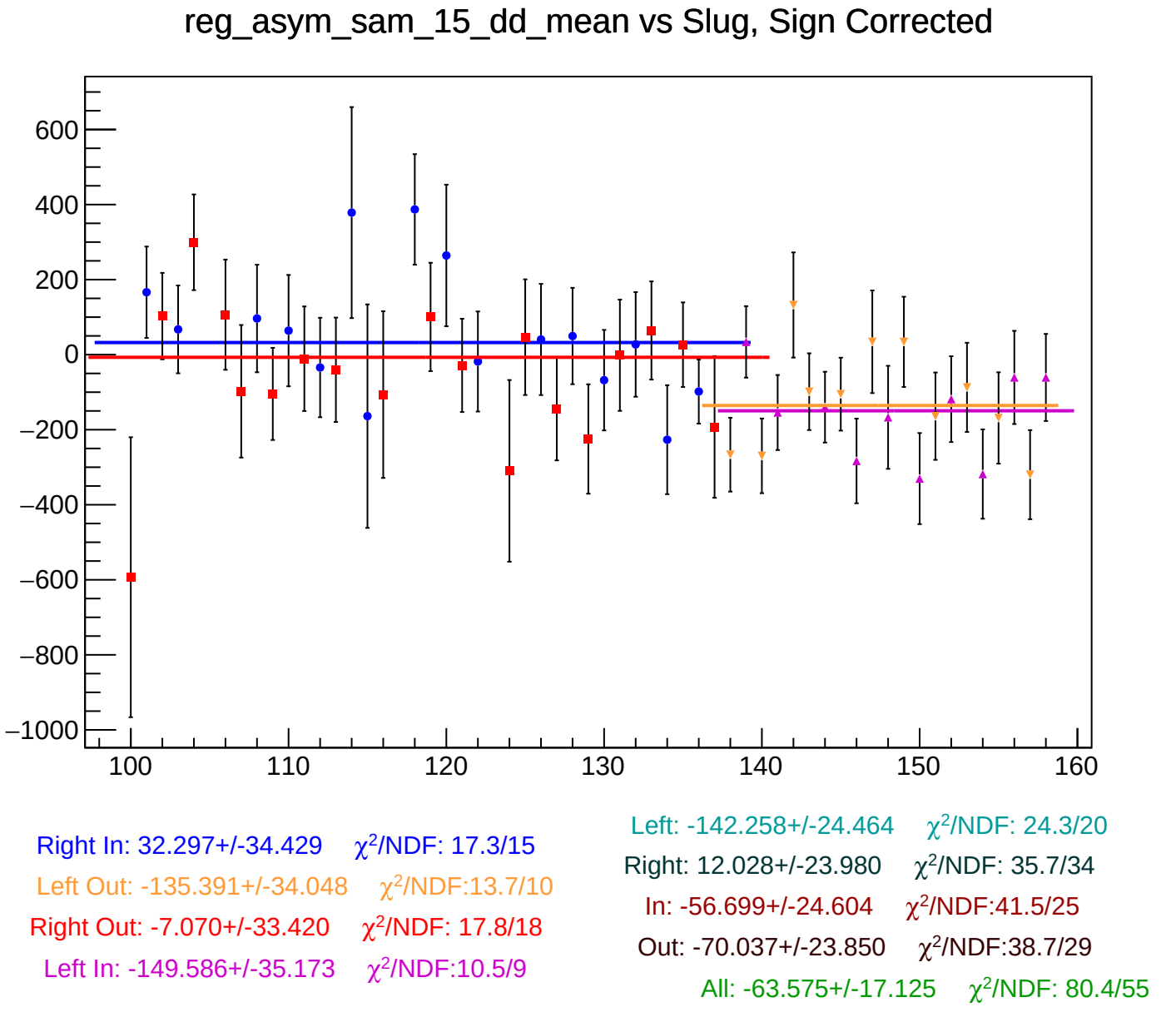
Left: 0.000+/-0.000 χ^2/NDF: 3007051.7/20

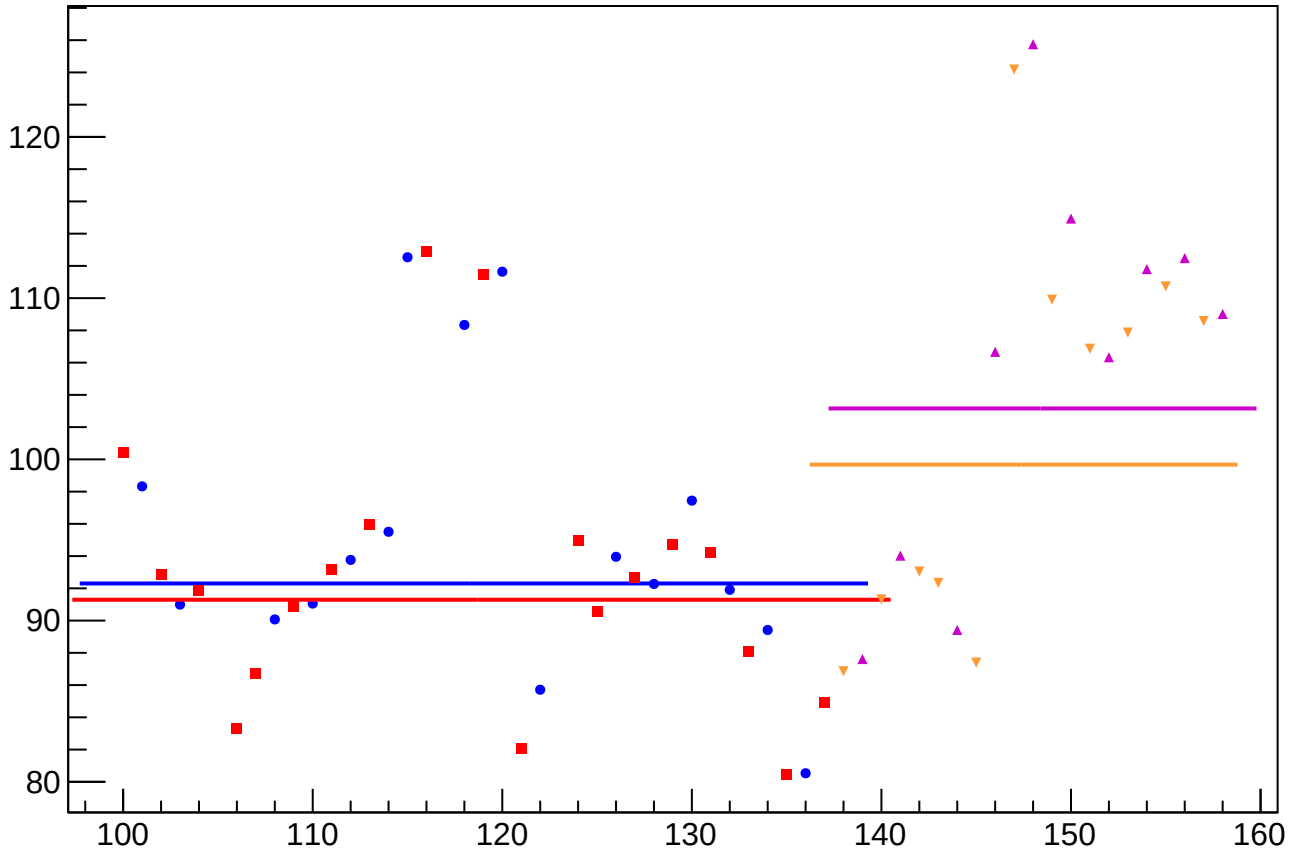
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2687177.9/25

Out: 0.000+/-0.000 χ^2/NDF:5746209.3/29

All: 0.000+/-0.000 χ^2/NDF: 8708001.3/55


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 32.297+/-34.429 χ²/NDF: 17.3/15
Left Out: -135.391+/-34.048 χ²/NDF:13.7/10
Right Out: -7.070+/-33.420 χ²/NDF: 17.8/18
Left In: -149.586+/-35.173 χ²/NDF:10.5/9
Left: -142.258+/-24.464 χ²/NDF: 24.3/20
Right: 12.028+/-23.980 χ²/NDF: 35.7/34
In: -56.699+/-24.604 χ²/NDF:41.5/25
Out: -70.037+/-23.850 χ²/NDF:38.7/29
All: -63.575+/-17.125 χ²/NDF: 80.4/55



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 99.673+/-0.024 χ^2/NDF:218460.9/10

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

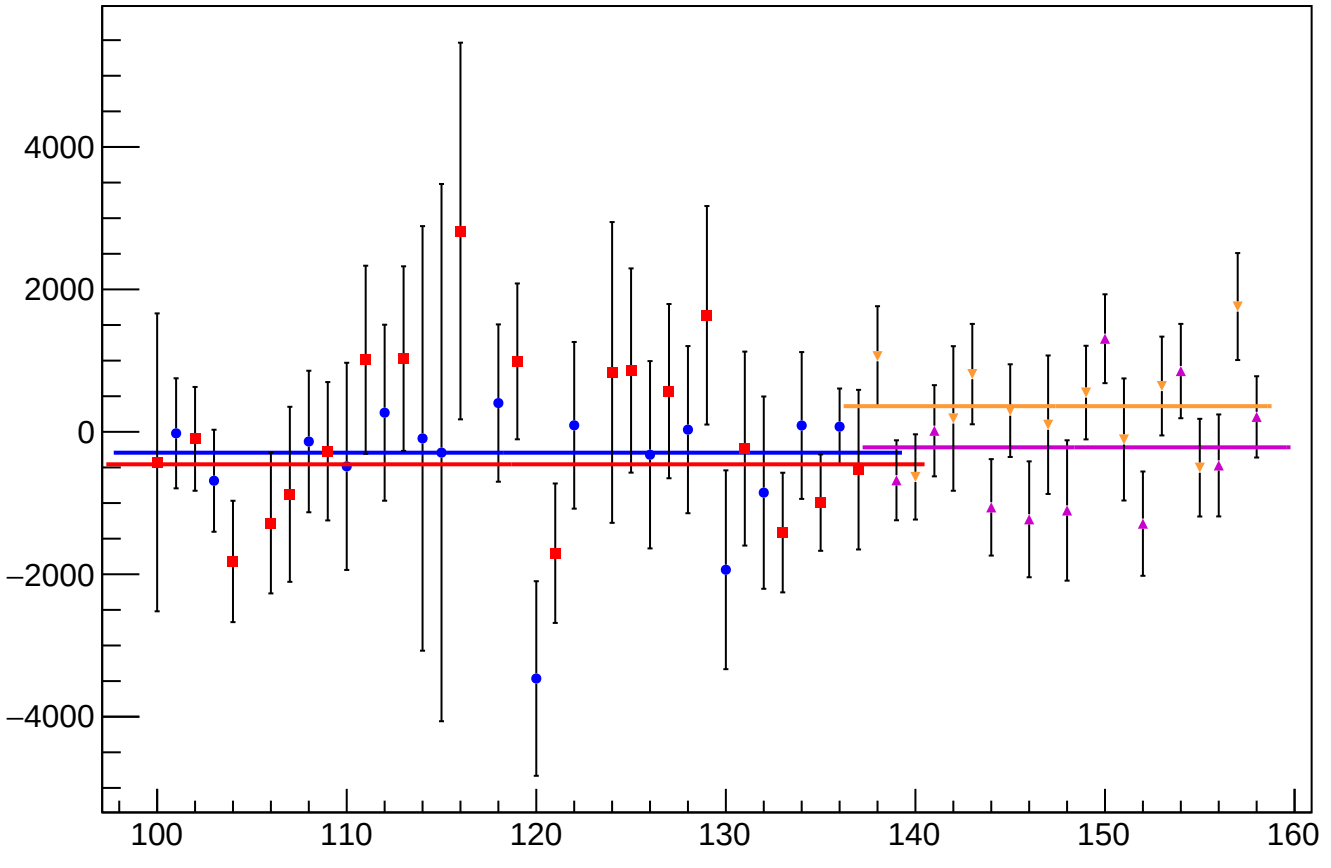
Left: 101.358+/-0.017 χ^2/NDF: 444313.8/20

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 97.614+/-0.017 χ^2/NDF:420065.0/25

Out: 95.405+/-0.017 χ^2/NDF:385253.8/29

All: 96.475+/-0.012 χ^2/NDF: 813625.3/55



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 360.353+/-218.877 χ^2/NDF:9.9/10

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -217.569+/-212.890 χ^2/NDF:16.1/9

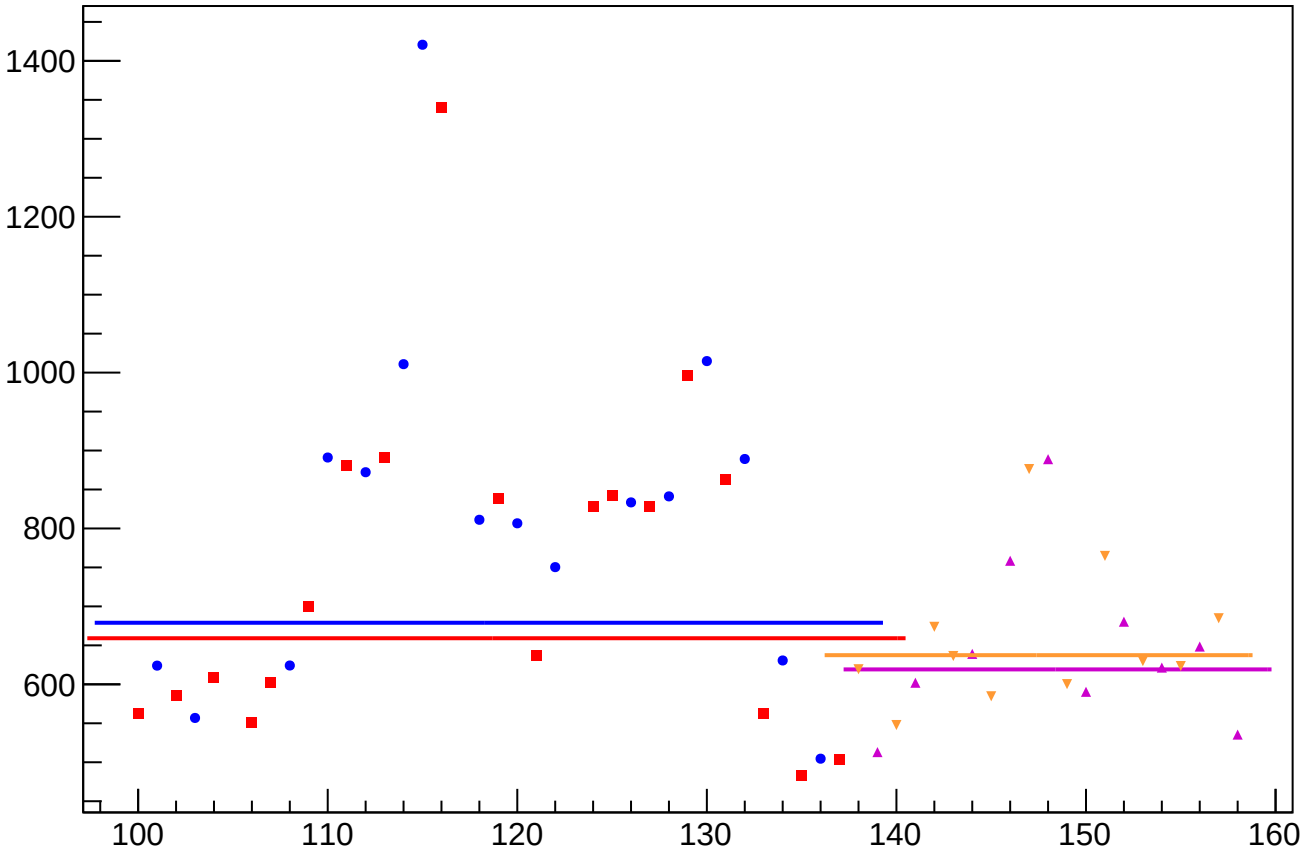
Left: 63.380+/-152.608 χ^2/NDF: 29.6/20

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -247.789+/-164.639 χ^2/NDF:25.0/25

Out: 4.136+/-164.312 χ^2/NDF:32.8/29

All: -121.576+/-116.301 χ^2/NDF: 59.0/55



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 637.408+/-0.155 χ^2/NDF:242139.0/10

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 619.138+/-0.151 χ^2/NDF:347671.3/9

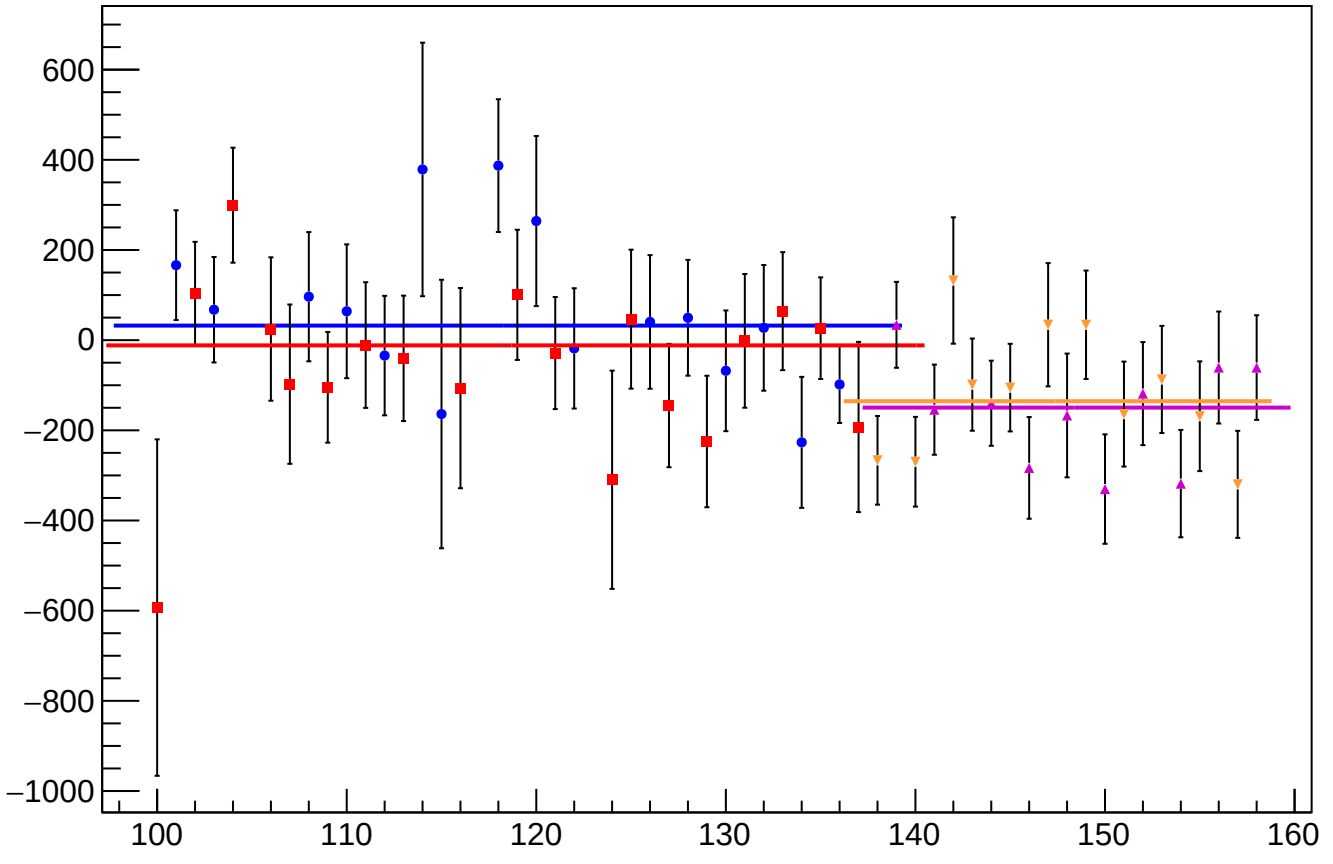
Left: 628.020+/-0.108 χ^2/NDF: 596970.4/20

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 643.200+/-0.116 χ^2/NDF:1179218.0/25

Out: 646.890+/-0.116 χ^2/NDF:1046616.8/29

All: 645.048+/-0.082 χ^2/NDF: 2226338.2/55



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -135.389+/-34.048 χ^2/NDF:13.7/10

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -149.588+/-35.173 χ^2/NDF:10.5/9

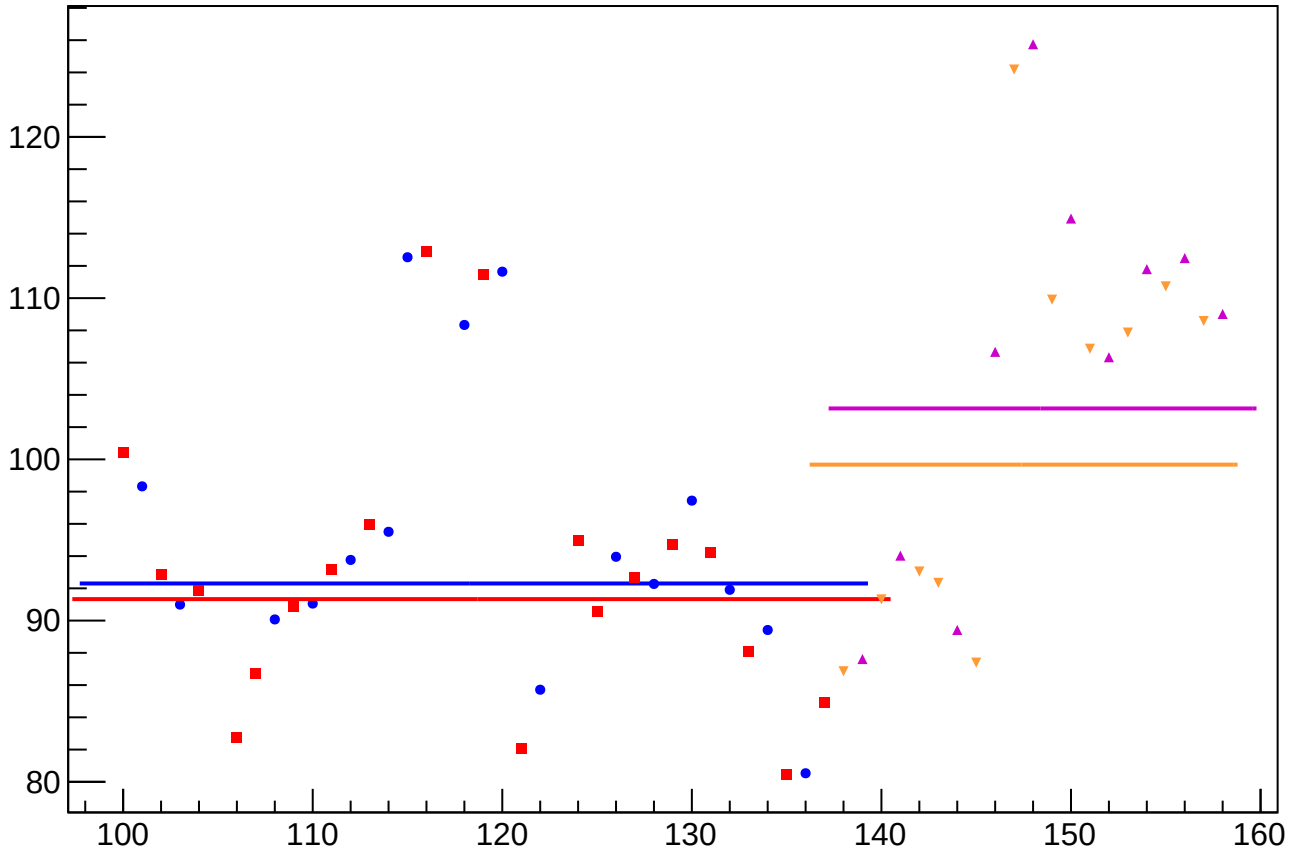
Left: -142.258+/-24.464 χ^2/NDF: 24.3/20

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -56.692+/-24.604 χ^2/NDF:41.5/25

Out: -72.568+/-23.897 χ^2/NDF:37.6/29

All: -64.862+/-17.142 χ^2/NDF: 79.3/55



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 99.673+/-0.024 χ^2/NDF:218460.9/10

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

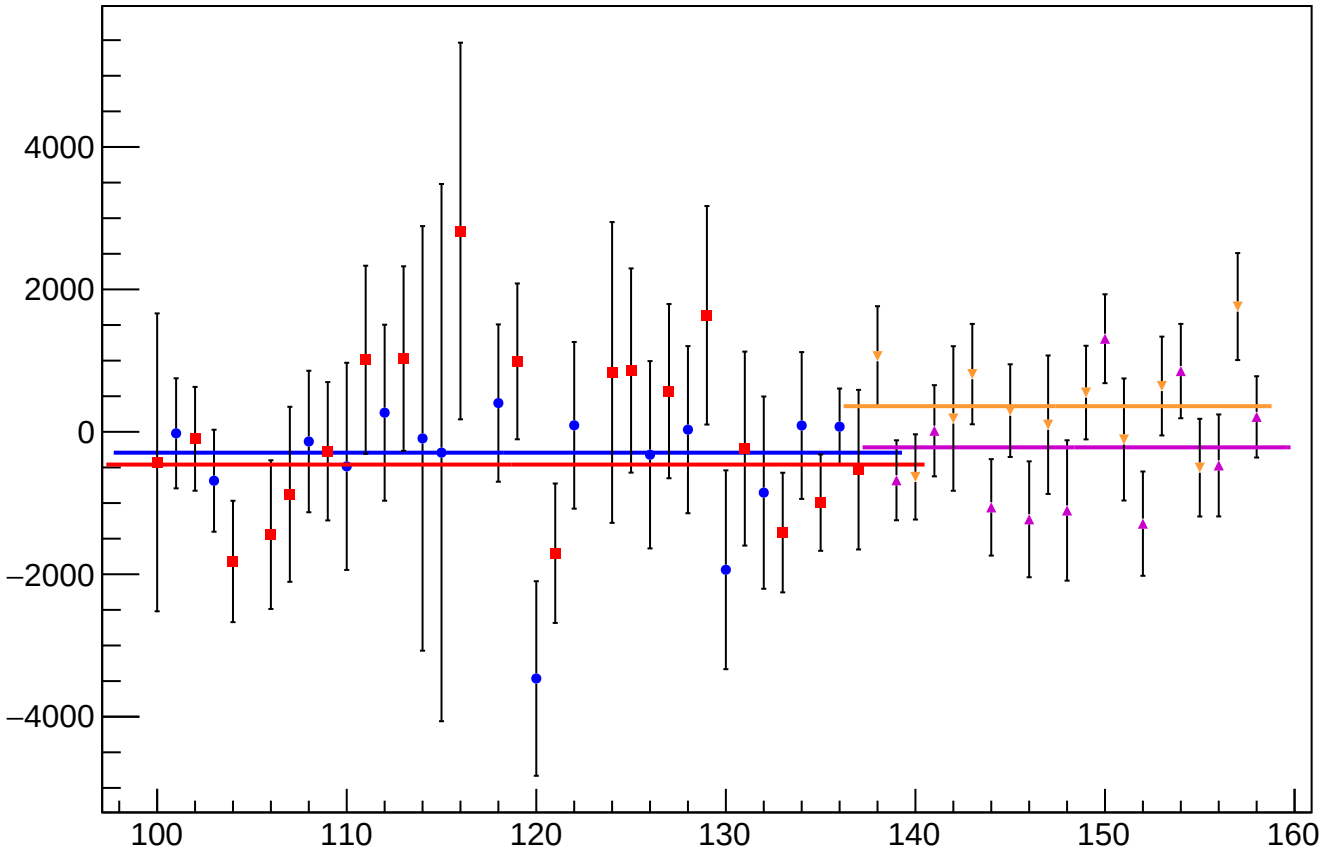
Left: 101.358+/-0.017 χ^2/NDF: 444313.8/20

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 97.614+/-0.017 χ^2/NDF:420065.0/25

Out: 95.441+/-0.017 χ^2/NDF:384282.0/29

All: 96.496+/-0.012 χ^2/NDF: 812372.9/55



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 360.351+/-218.877 χ^2/NDF:9.9/10

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -217.569+/-212.890 χ^2/NDF:16.1/9

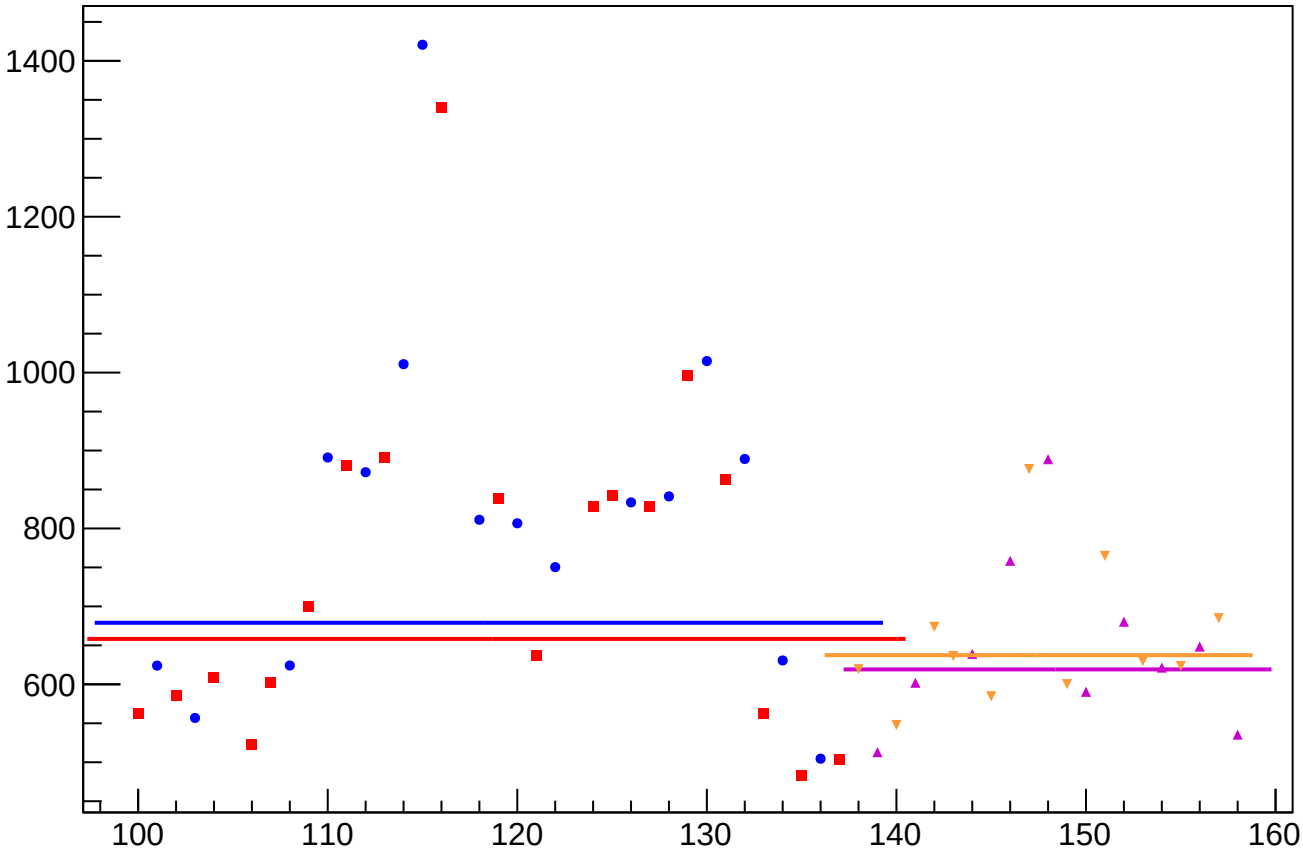
Left: 63.379+/-152.609 χ^2/NDF: 29.6/20

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -247.788+/-164.639 χ^2/NDF:25.0/25

Out: 3.828+/-164.549 χ^2/NDF:33.0/29

All: -121.911+/-116.386 χ^2/NDF: 59.2/55



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 637.408+/-0.155 χ^2/NDF:242139.6/10

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 619.139+/-0.151 χ^2/NDF:347670.3/9

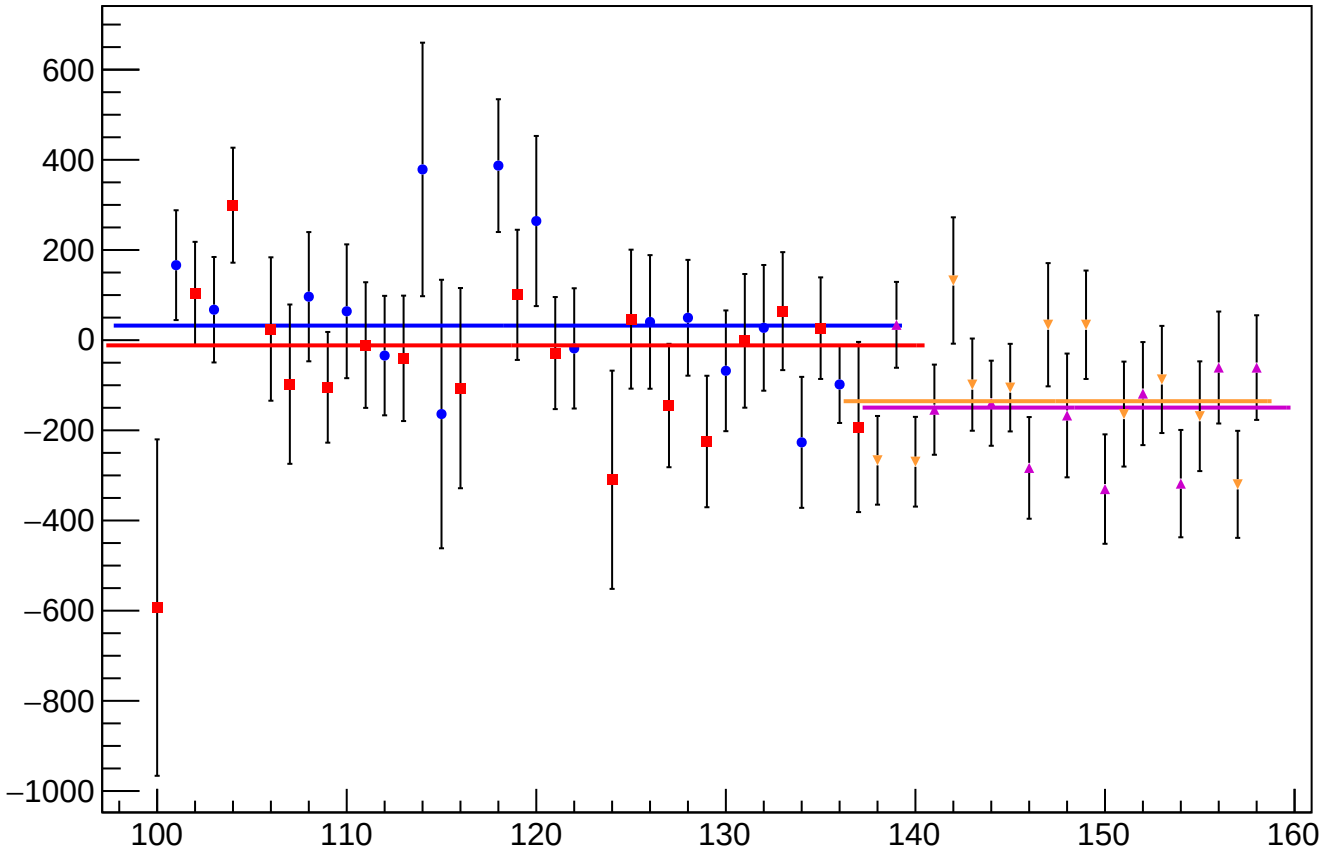
Left: 628.020+/-0.108 χ^2/NDF: 596970.0/20

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 643.200+/-0.116 χ^2/NDF:1179217.8/25

Out: 646.475+/-0.116 χ^2/NDF:1055931.9/29

All: 644.838+/-0.082 χ^2/NDF: 2235545.8/55



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -135.389+/-34.048 χ^2/NDF:13.7/10

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -149.588+/-35.173 χ^2/NDF:10.5/9

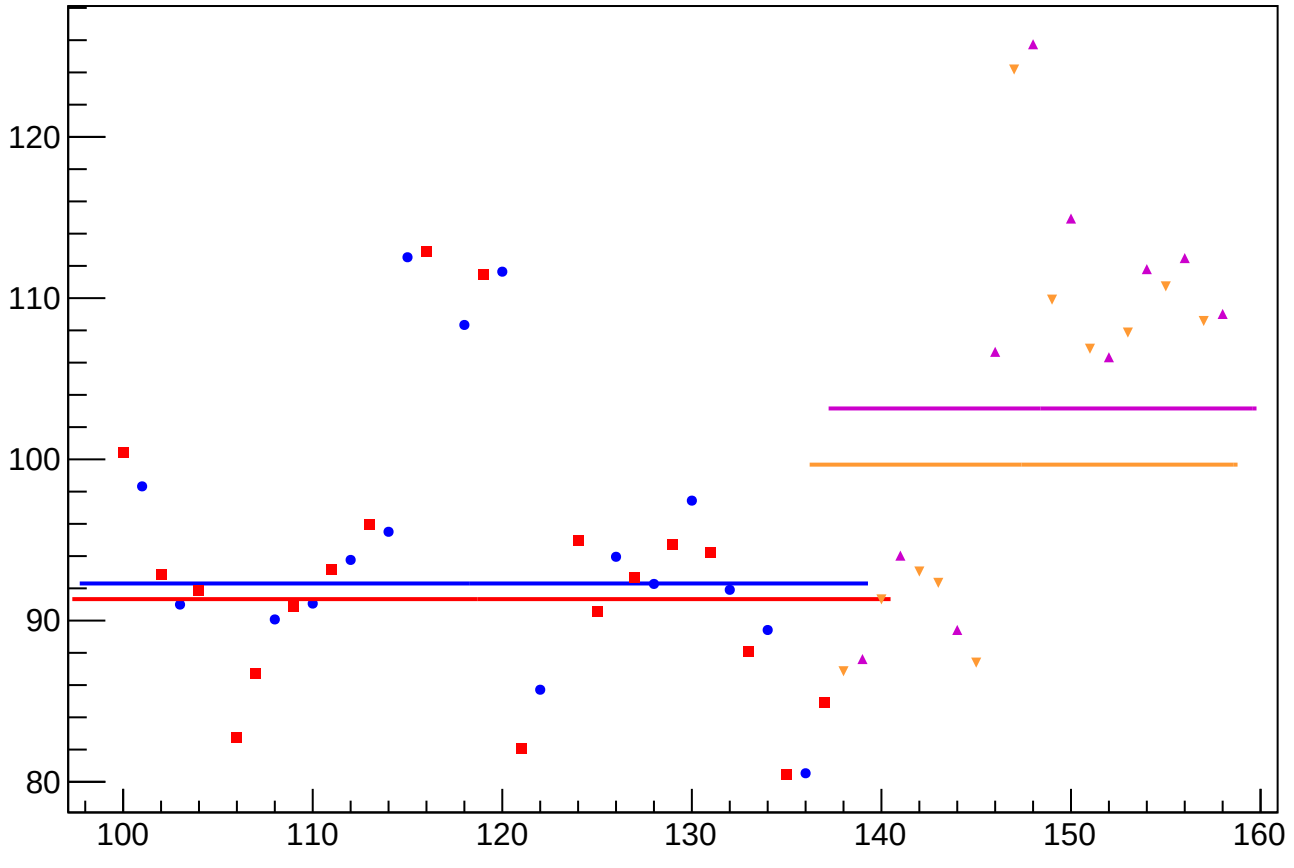
Left: -142.258+/-24.464 χ^2/NDF: 24.3/20

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -56.692+/-24.604 χ^2/NDF:41.5/25

Out: -72.568+/-23.897 χ^2/NDF:37.6/29

All: -64.862+/-17.142 χ^2/NDF: 79.3/55



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 99.673+/-0.024 χ^2/NDF:218460.9/10

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

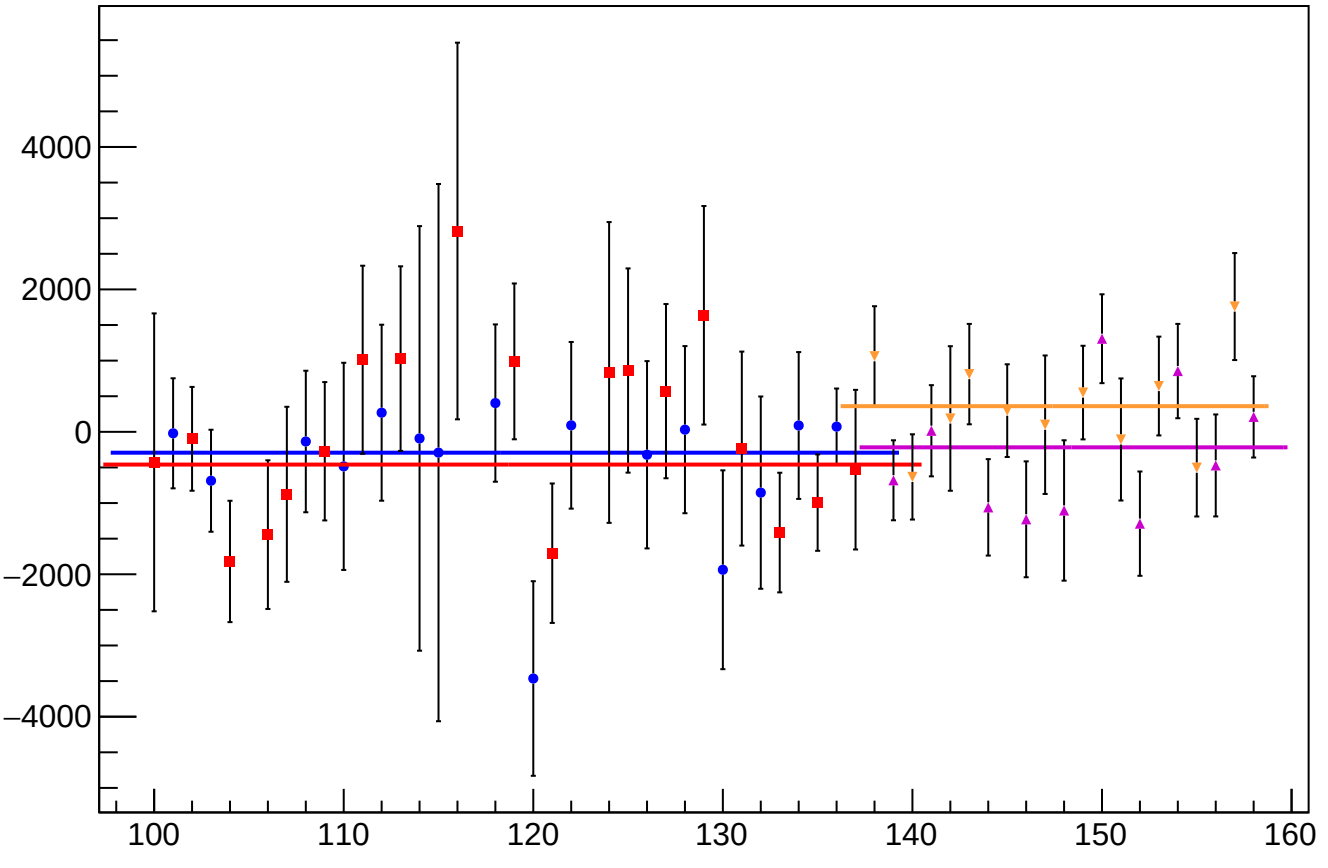
Left: 101.358+/-0.017 χ^2/NDF: 444313.8/20

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 97.614+/-0.017 χ^2/NDF:420065.0/25

Out: 95.441+/-0.017 χ^2/NDF:384282.0/29

All: 96.496+/-0.012 χ^2/NDF: 812372.9/55



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 360.351+/-218.877 χ^2/NDF:9.9/10

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -217.569+/-212.890 χ^2/NDF:16.1/9

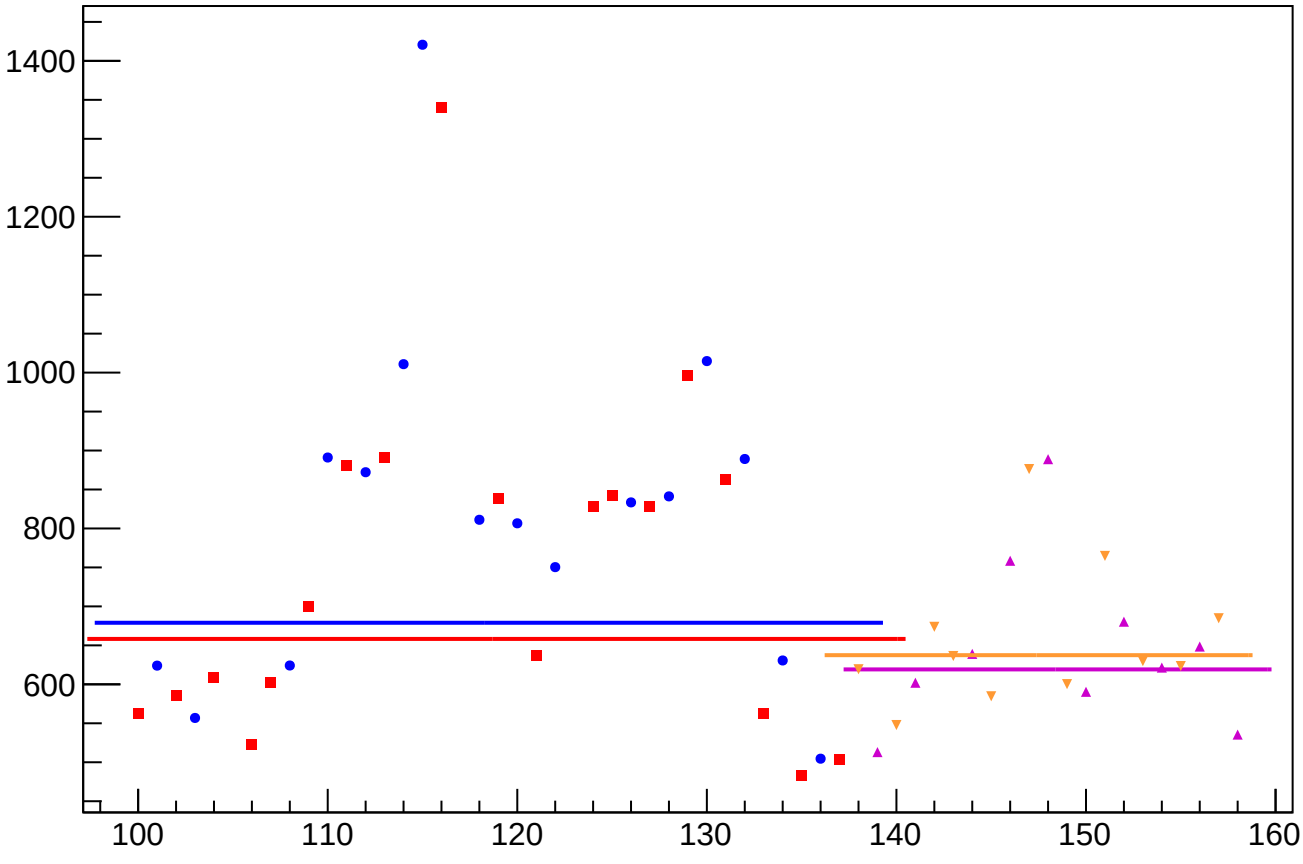
Left: 63.379+/-152.609 χ^2/NDF: 29.6/20

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -247.788+/-164.639 χ^2/NDF:25.0/25

Out: 3.828+/-164.549 χ^2/NDF:33.0/29

All: -121.911+/-116.386 χ^2/NDF: 59.2/55



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 637.408+/-0.155 χ^2/NDF:242139.6/10

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 619.139+/-0.151 χ^2/NDF:347670.3/9

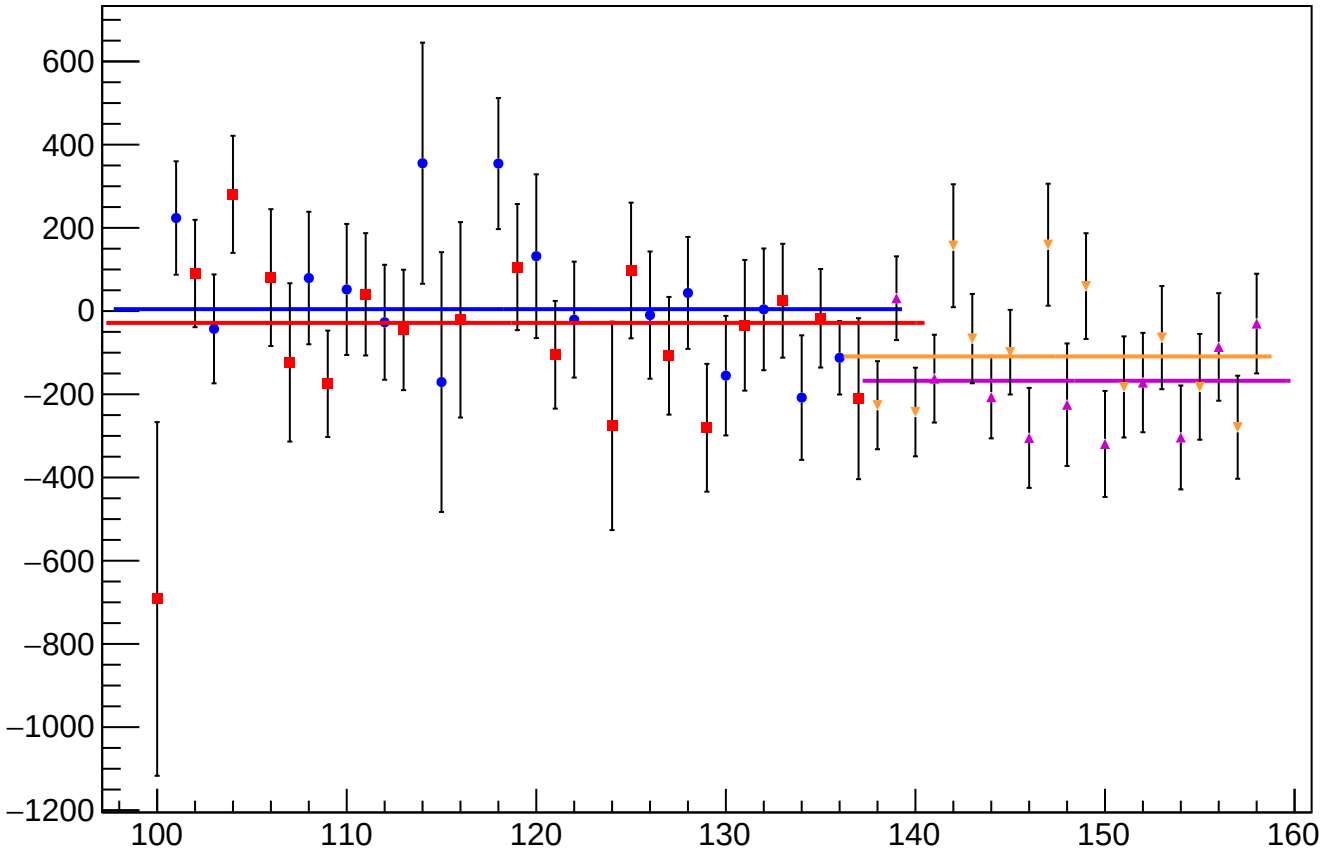
Left: 628.020+/-0.108 χ^2/NDF: 596970.0/20

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 643.200+/-0.116 χ^2/NDF:1179217.8/25

Out: 646.475+/-0.116 χ^2/NDF:1055931.9/29

All: 644.838+/-0.082 χ^2/NDF: 2235545.8/55



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -109.026+/-35.920 χ^2/NDF:14.1/10

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -167.539+/-36.985 χ^2/NDF:9.8/9

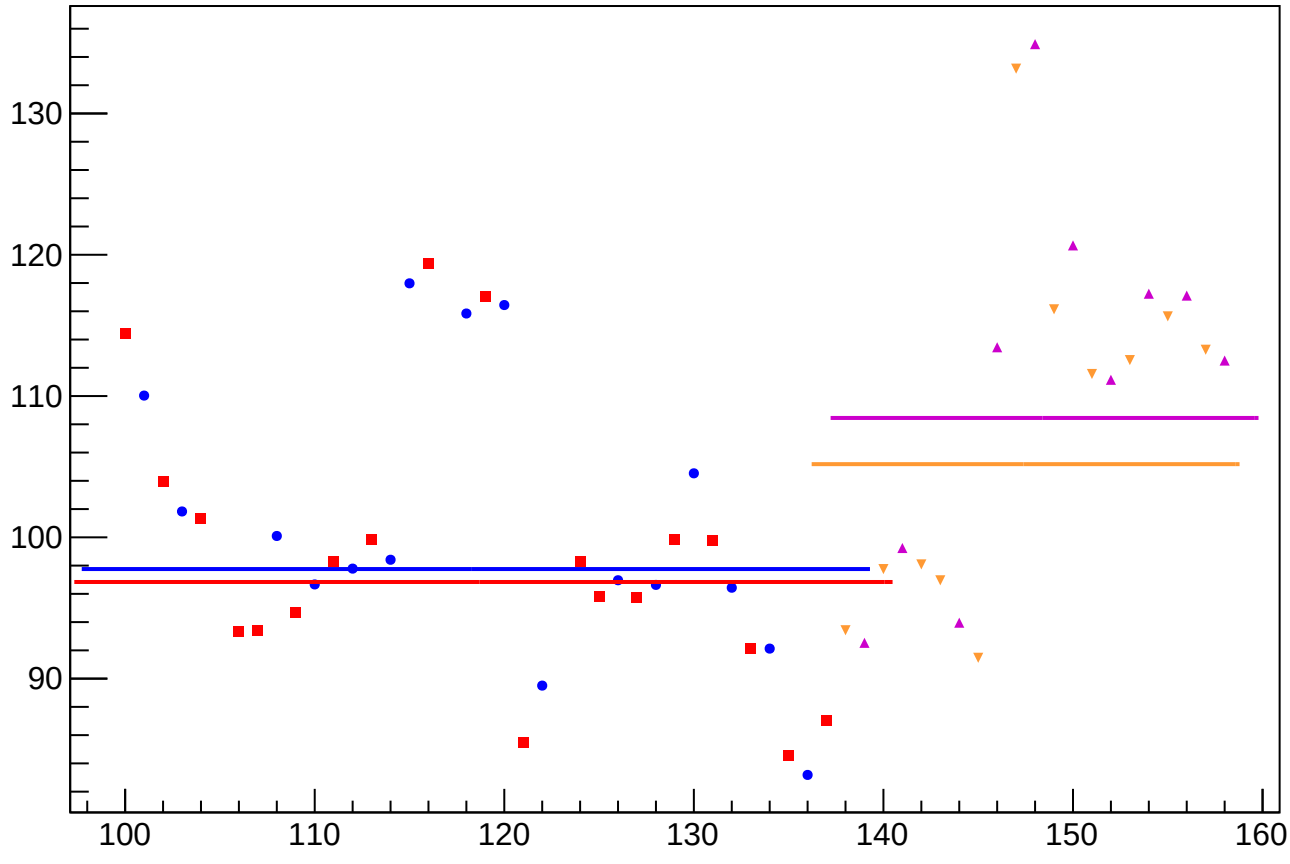
Left: -137.427+/-25.768 χ^2/NDF: 25.2/20

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -80.344+/-25.983 χ^2/NDF:36.2/25

Out: -68.202+/-25.237 χ^2/NDF:33.7/29

All: -74.096+/-18.103 χ^2/NDF: 70.0/55



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 105.180+/-0.025 χ^2/NDF:209567.4/10

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 108.450+/-0.026 χ^2/NDF:216613.2/9

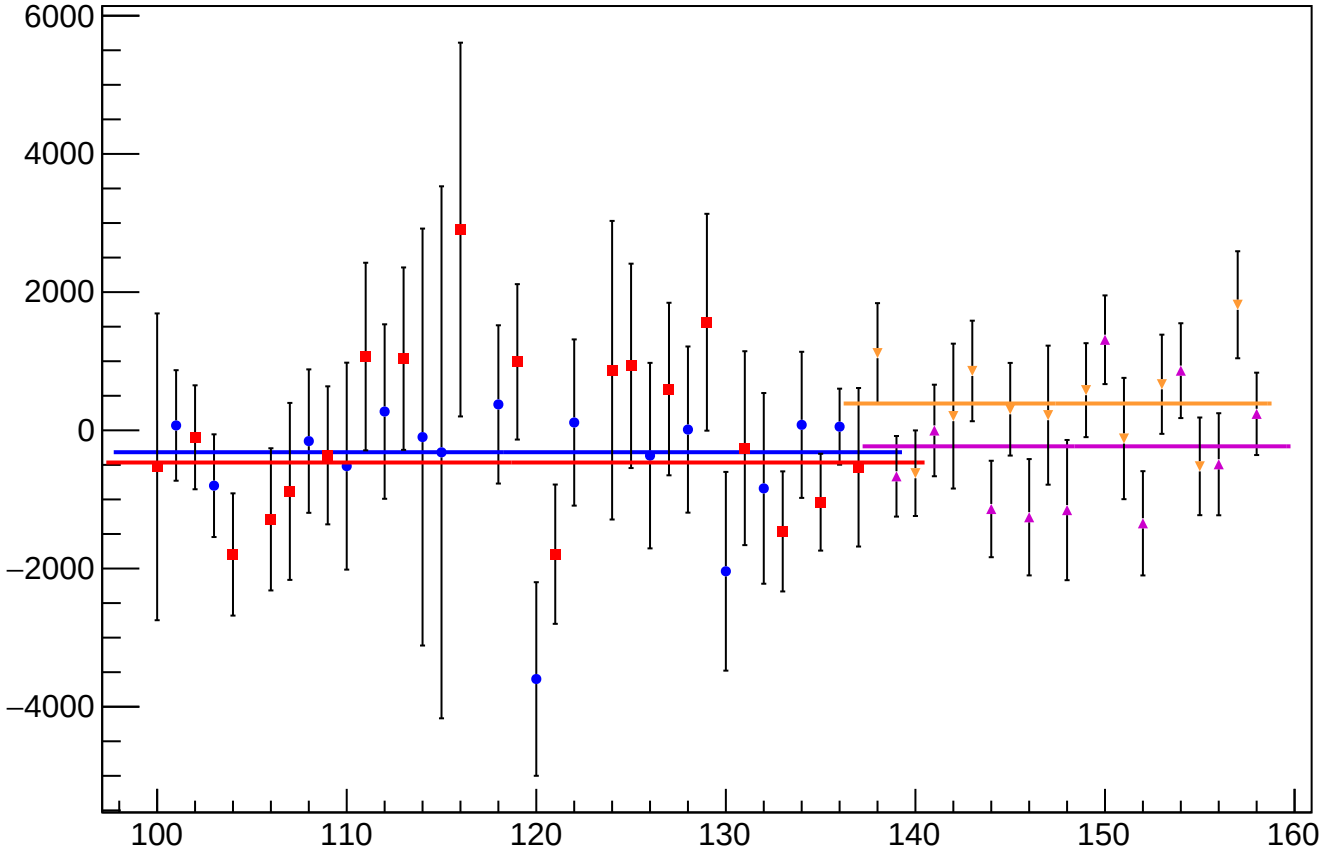
Left: 106.767+/-0.018 χ^2/NDF: 434224.3/20

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 103.034+/-0.018 χ^2/NDF:441952.5/25

Out: 100.957+/-0.018 χ^2/NDF:379341.3/29

All: 101.965+/-0.013 χ^2/NDF: 827868.8/55



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 388.113+/-225.870 χ^2/NDF:9.8/10

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -231.428+/-220.268 χ^2/NDF:15.9/9

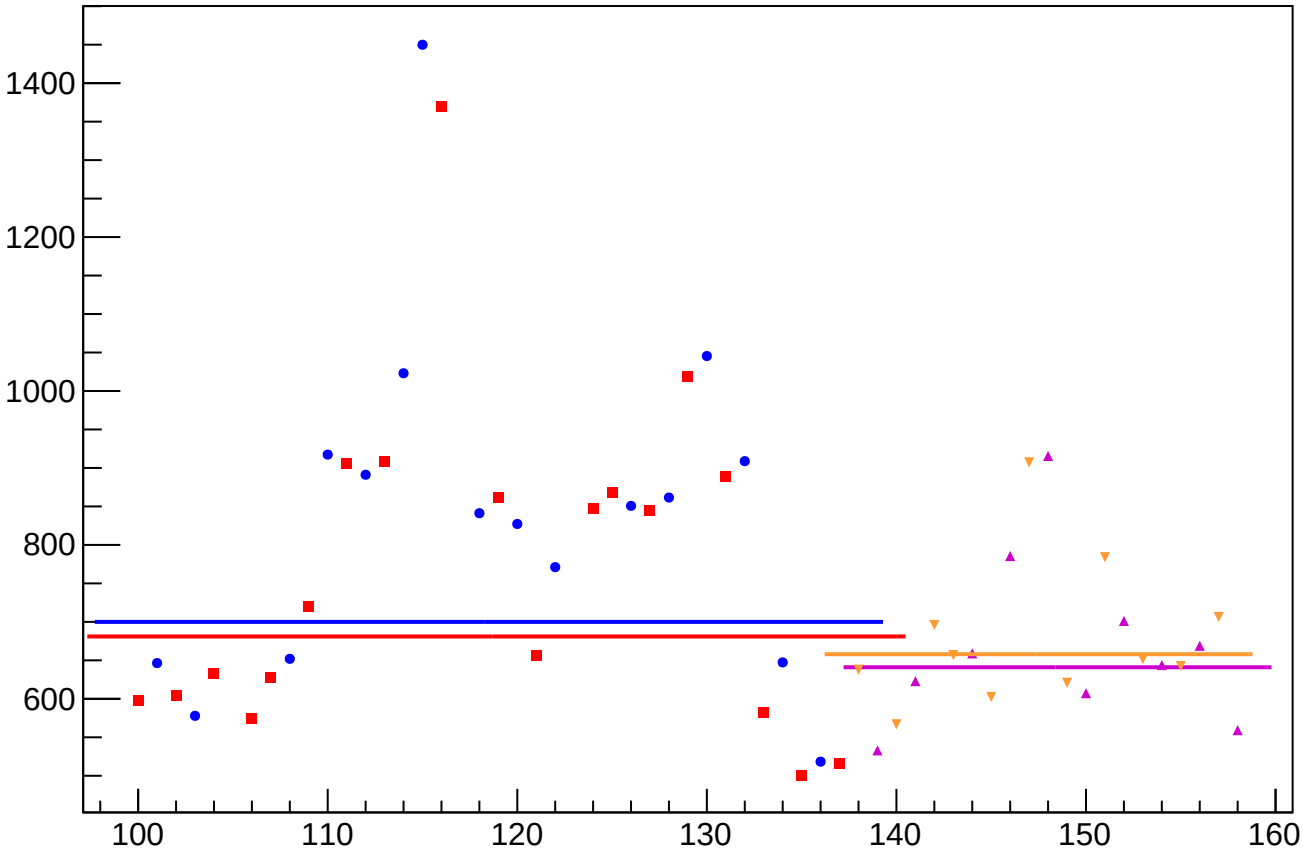
Left: 70.564+/-157.696 χ^2/NDF: 29.6/20

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -265.830+/-170.043 χ^2/NDF:25.1/25

Out: 15.498+/-169.556 χ^2/NDF:32.5/29

All: -124.762+/-120.066 χ^2/NDF: 59.0/55



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 658.003+/-0.160 χ^2/NDF:240043.4/10

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 641.035+/-0.156 χ^2/NDF:335655.0/9

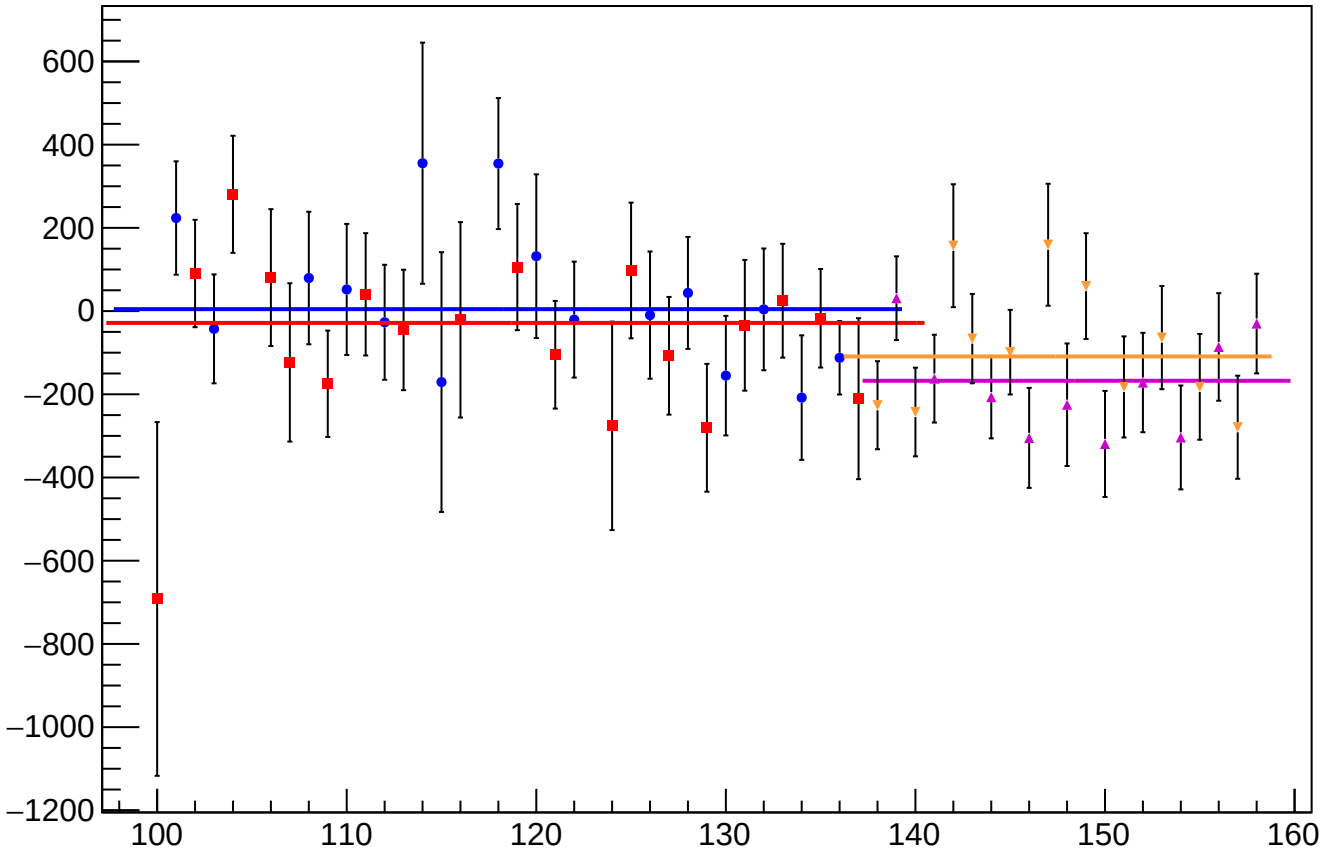
Left: 649.306+/-0.112 χ^2/NDF: 581483.6/20

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 664.848+/-0.120 χ^2/NDF:1147175.7/25

Out: 668.048+/-0.120 χ^2/NDF:1018503.0/29

All: 666.452+/-0.085 χ^2/NDF: 2166033.9/55



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -109.025+/-35.920 χ^2/NDF:14.1/10

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -167.539+/-36.985 χ^2/NDF:9.8/9

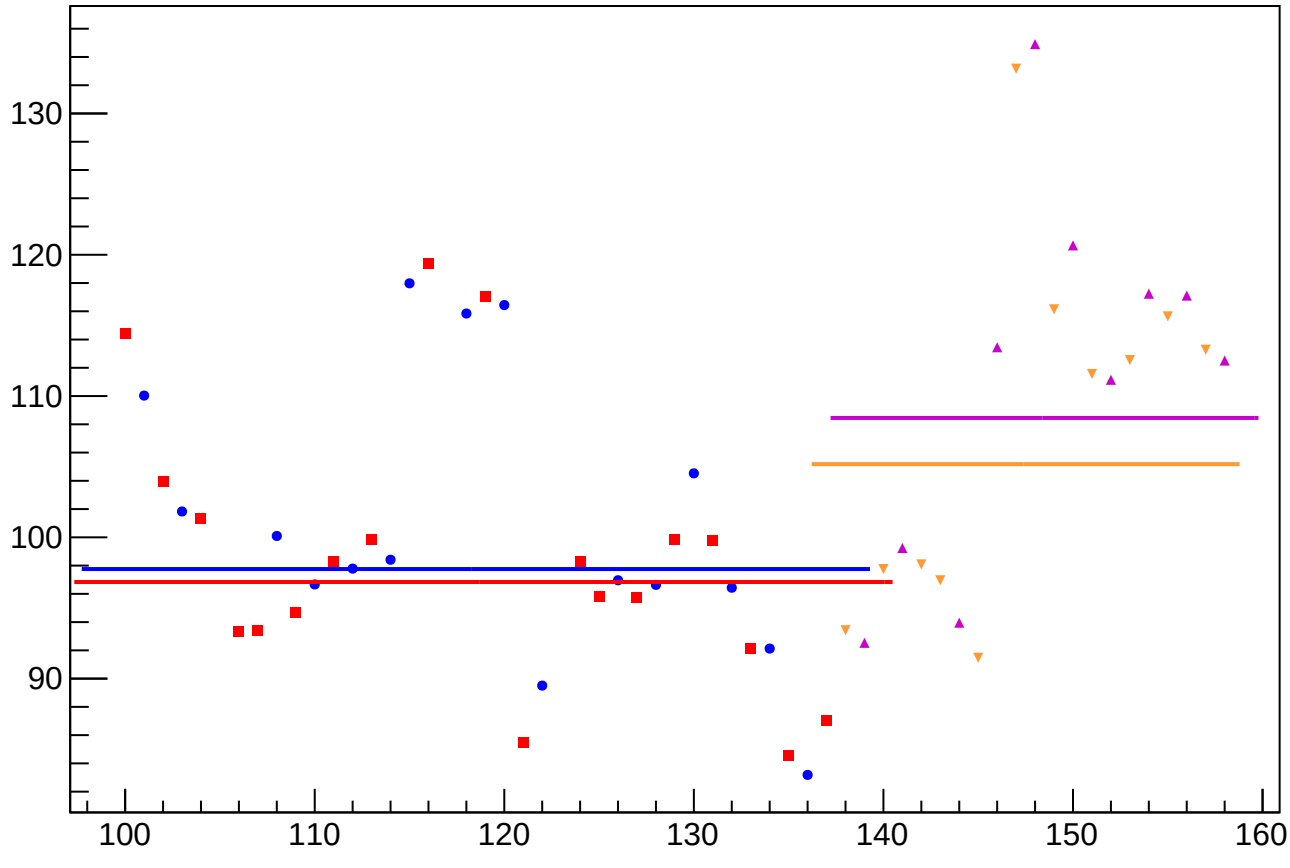
Left: -137.427+/-25.768 χ^2/NDF: 25.2/20

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -80.343+/-25.983 χ^2/NDF:36.2/25

Out: -68.202+/-25.237 χ^2/NDF:33.7/29

All: -74.096+/-18.103 χ^2/NDF: 70.0/55



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 105.180+/-0.025 χ^2/NDF:209568.5/10

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 108.450+/-0.026 χ^2/NDF:216612.6/9

Left: 106.767+/-0.018 χ^2/NDF: 434224.8/20

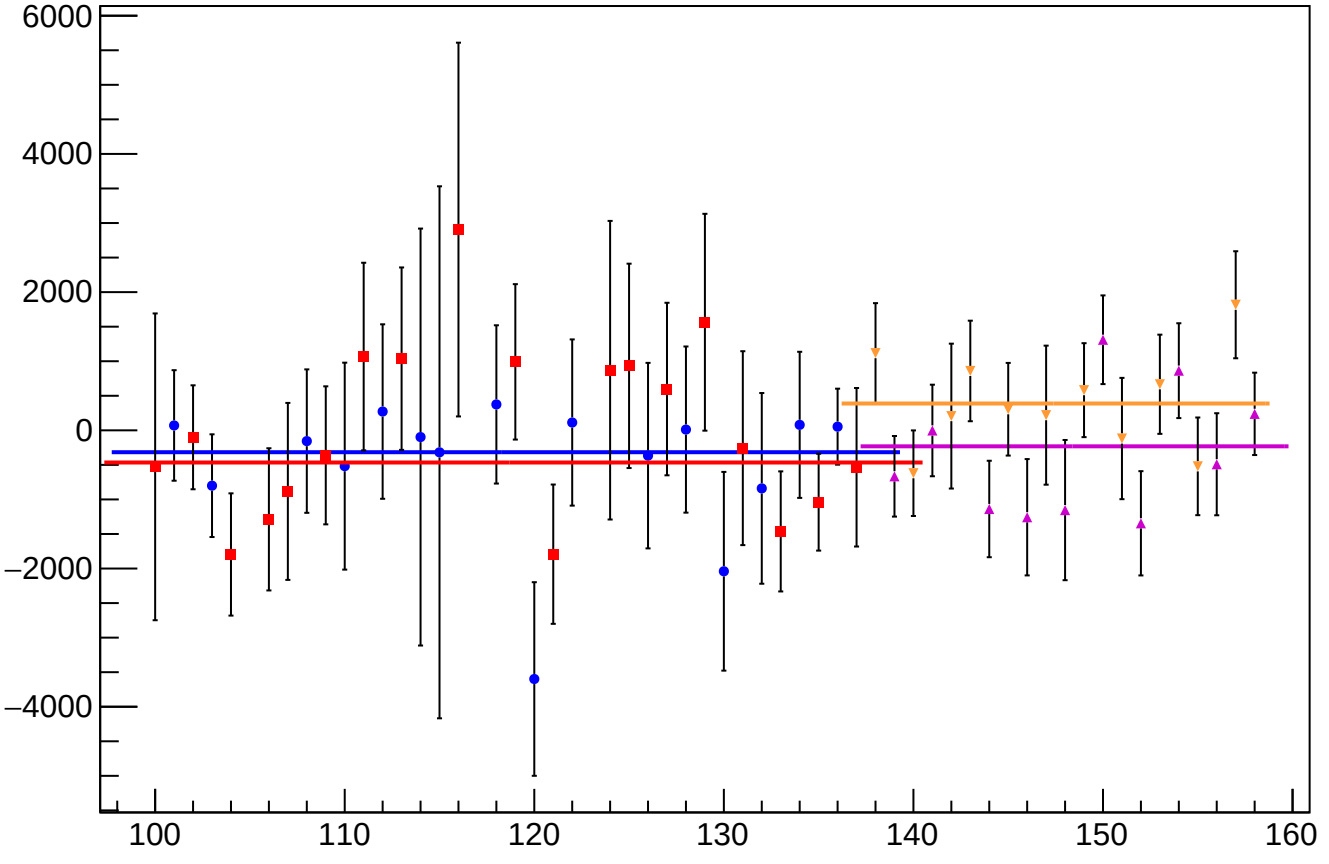
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 103.033+/-0.018 χ^2/NDF:441959.5/25

Out: 100.957+/-0.018 χ^2/NDF:379350.7/29

All: 101.965+/-0.013 χ^2/NDF: 827885.3/55

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 388.113+/-225.870 χ^2/NDF:9.8/10

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -231.429+/-220.268 χ^2/NDF:15.9/9

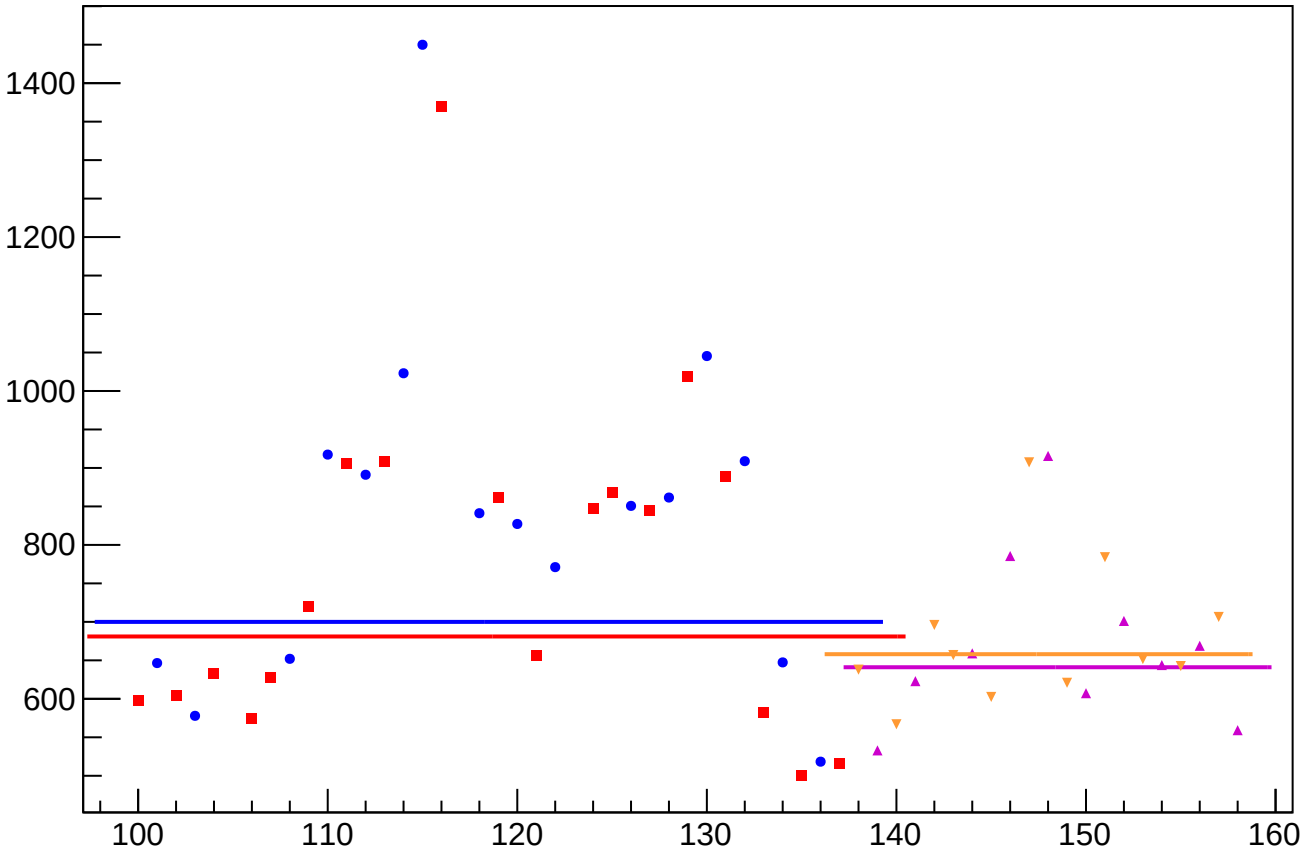
Left: 70.564+/-157.696 χ^2/NDF: 29.6/20

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -265.830+/-170.043 χ^2/NDF:25.1/25

Out: 15.497+/-169.556 χ^2/NDF:32.5/29

All: -124.763+/-120.066 χ^2/NDF: 59.0/55



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 658.004+/-0.160 χ^2/NDF:240042.8/10

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 641.036+/-0.156 χ^2/NDF:335656.6/9

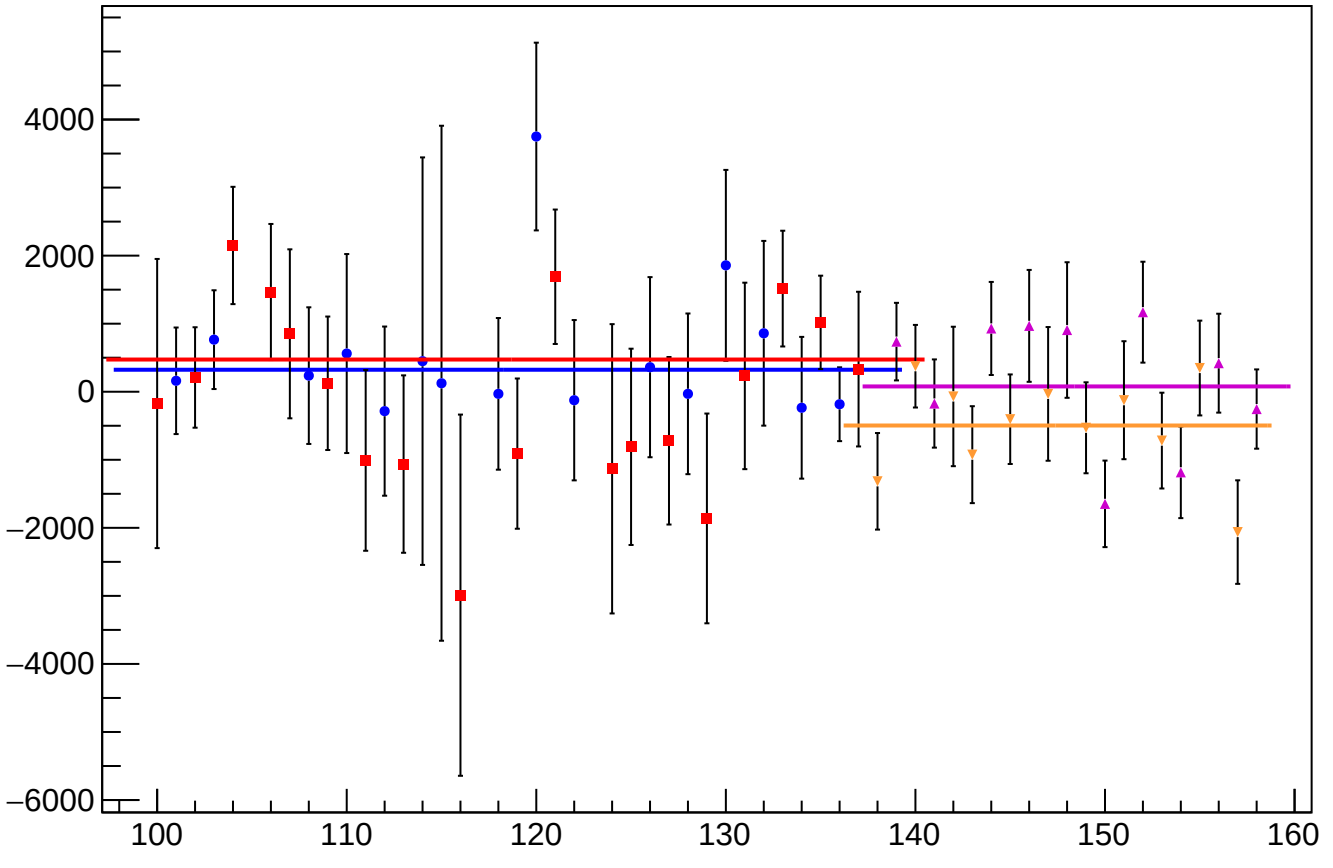
Left: 649.307+/-0.112 χ^2/NDF: 581484.8/20

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 664.848+/-0.120 χ^2/NDF:1147175.6/25

Out: 668.048+/-0.120 χ^2/NDF:1018503.5/29

All: 666.452+/-0.085 χ^2/NDF: 2166034.2/55



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -496.246+/-221.686 χ^2/NDF:10.2/10

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 77.947+/-216.038 χ^2/NDF:18.5/9

Left: -201.741+/-154.720 χ^2/NDF: 32.1/20

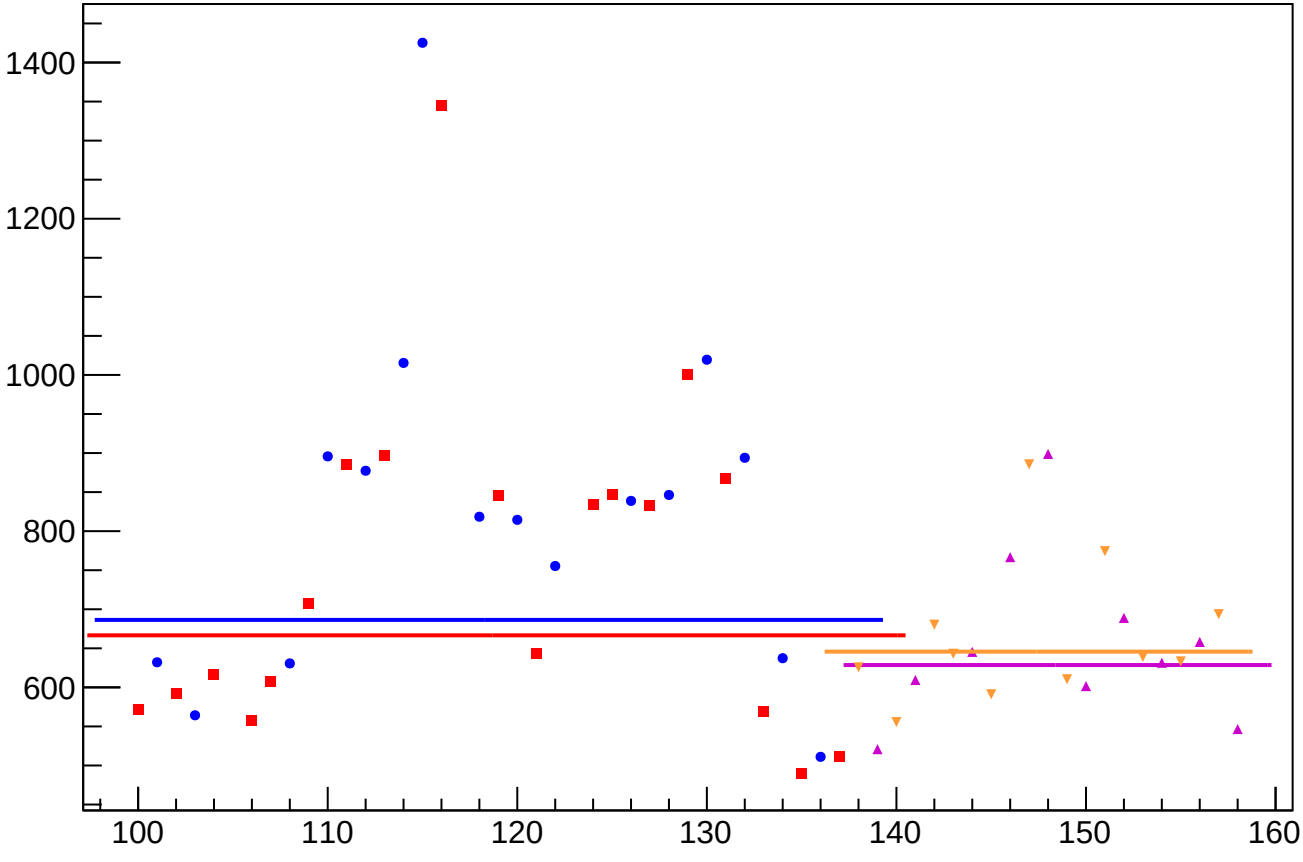
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 177.058+/-166.766 χ^2/NDF:28.7/25

Out: -72.026+/-166.254 χ^2/NDF:37.9/29

All: 52.133+/-117.740 χ^2/NDF: 67.8/55

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 645.769+/-0.157 χ^2/NDF:239443.8/10

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 628.588+/-0.153 χ^2/NDF:337908.4/9

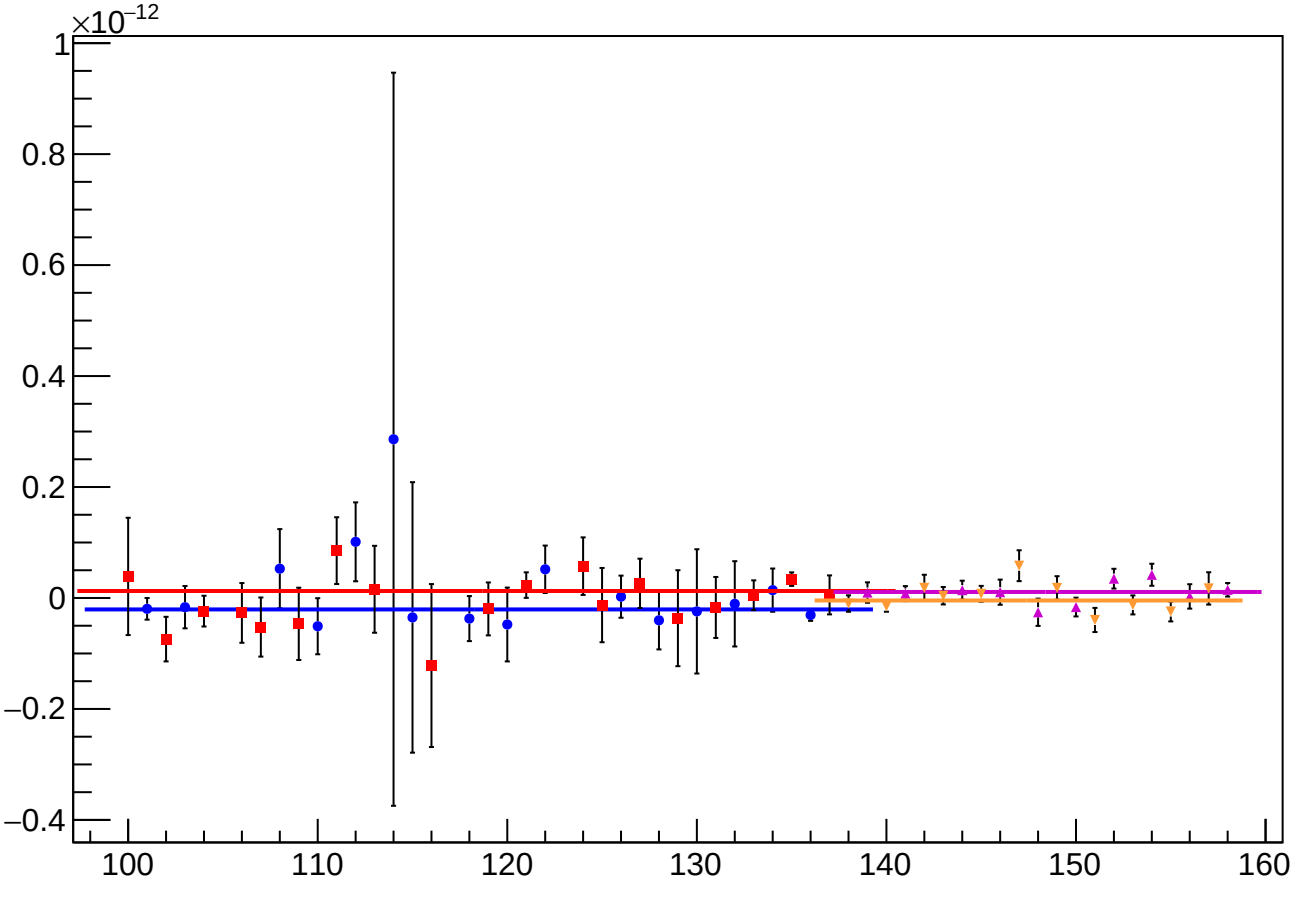
Left: 636.957+/-0.109 χ^2/NDF: 583513.7/20

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 651.949+/-0.118 χ^2/NDF:1145230.8/25

Out: 654.899+/-0.118 χ^2/NDF:1024230.5/29

All: 653.428+/-0.083 χ^2/NDF: 2169775.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/9

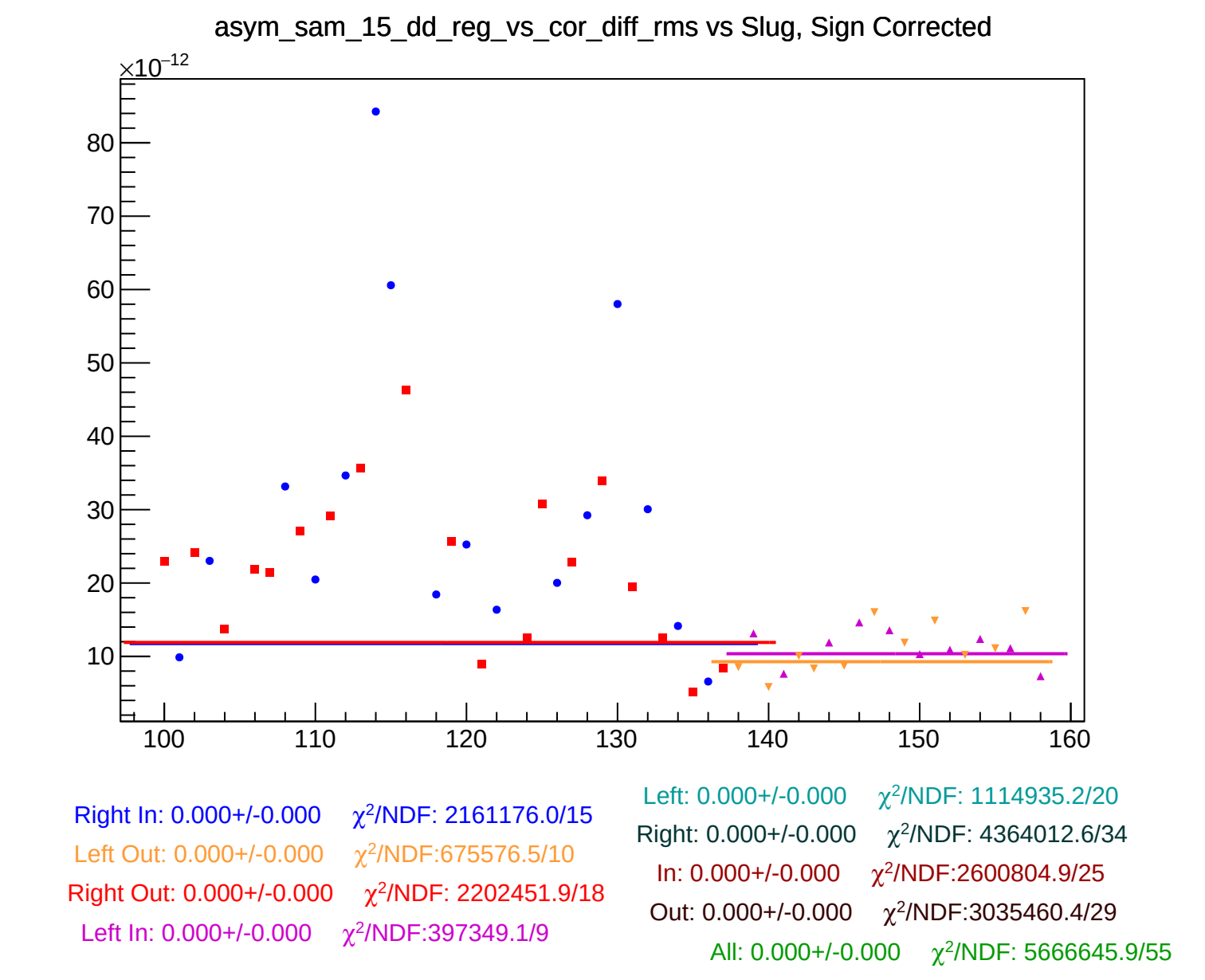
Left: 0.000+/-0.000 χ^2/NDF: 27.6/20

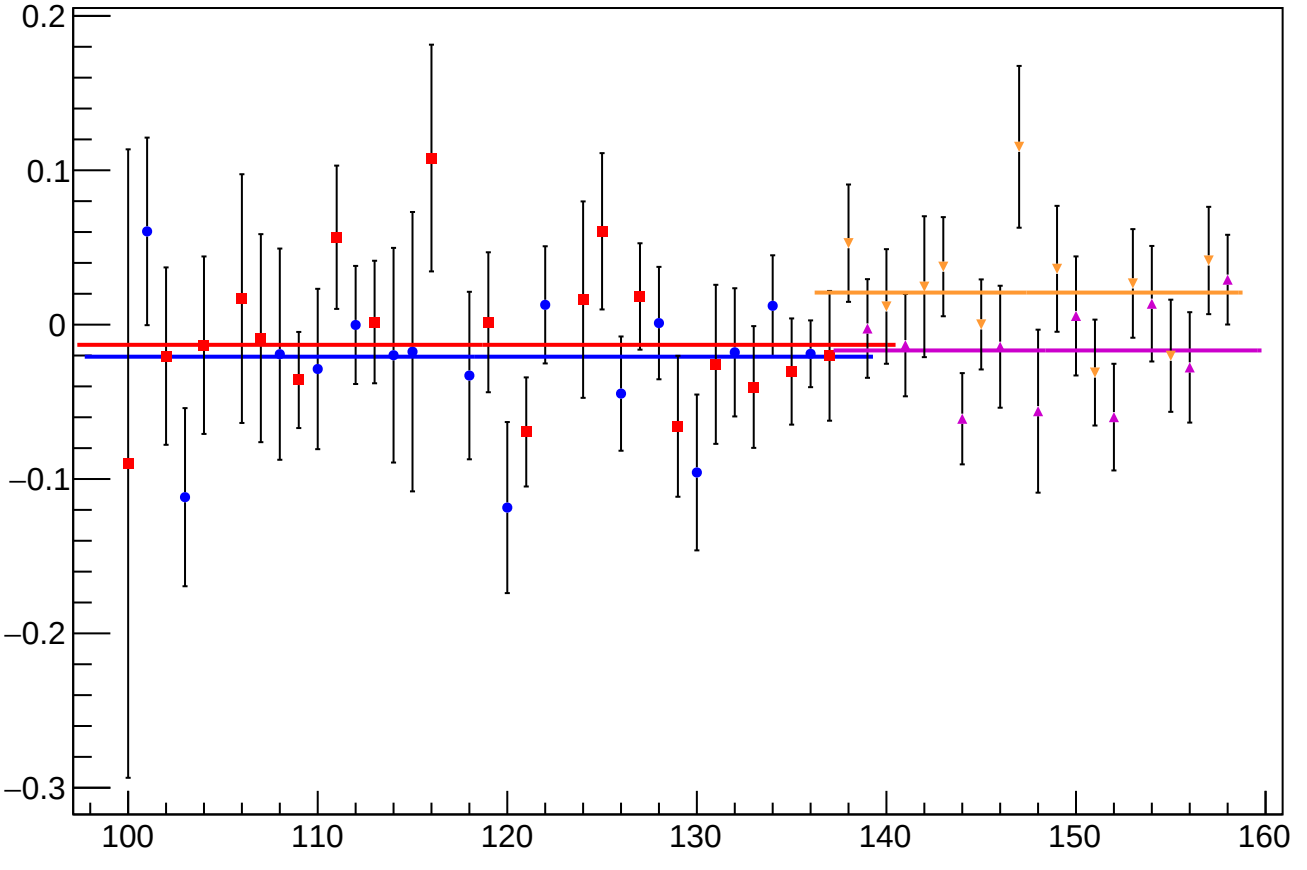
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:30.2/25

Out: 0.000+/-0.000 χ^2/NDF:34.4/29

All: 0.000+/-0.000 χ^2/NDF: 64.6/55


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:675576.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:397349.1/9
Left: 0.000+/-0.000 χ²/NDF: 1114935.2/20
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2600804.9/25
Out: 0.000+/-0.000 χ²/NDF:3035460.4/29
All: 0.000+/-0.000 χ²/NDF: 5666645.9/55



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.021+/-0.011 χ^2/NDF:8.9/10

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.017+/-0.011 χ^2/NDF:8.1/9

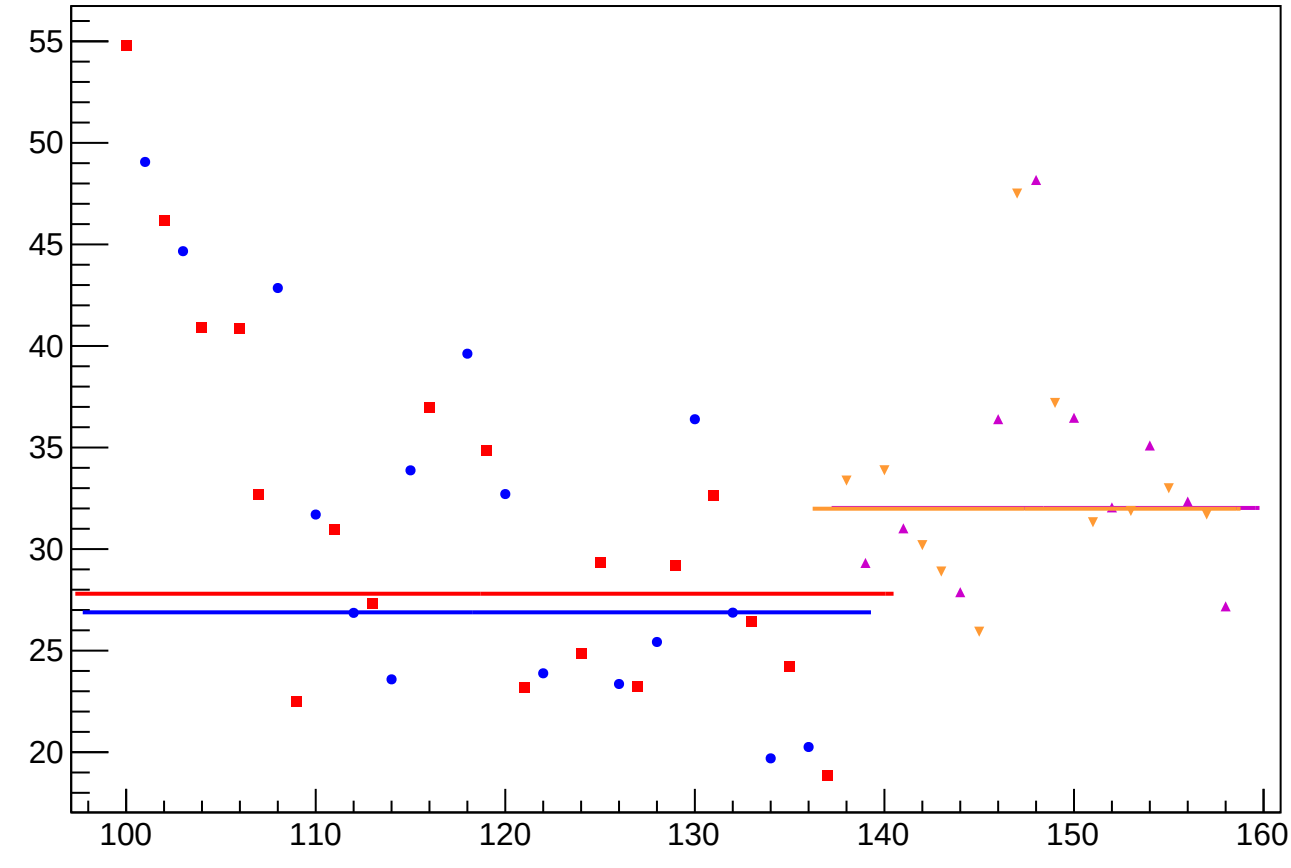
Left: 0.002+/-0.008 χ^2/NDF: 22.8/20

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.008 χ^2/NDF:20.8/25

Out: 0.003+/-0.008 χ^2/NDF:27.7/29

All: -0.008+/-0.005 χ^2/NDF: 52.6/55



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326023.6/10

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.025+/-0.008 χ^2/NDF:362906.0/9

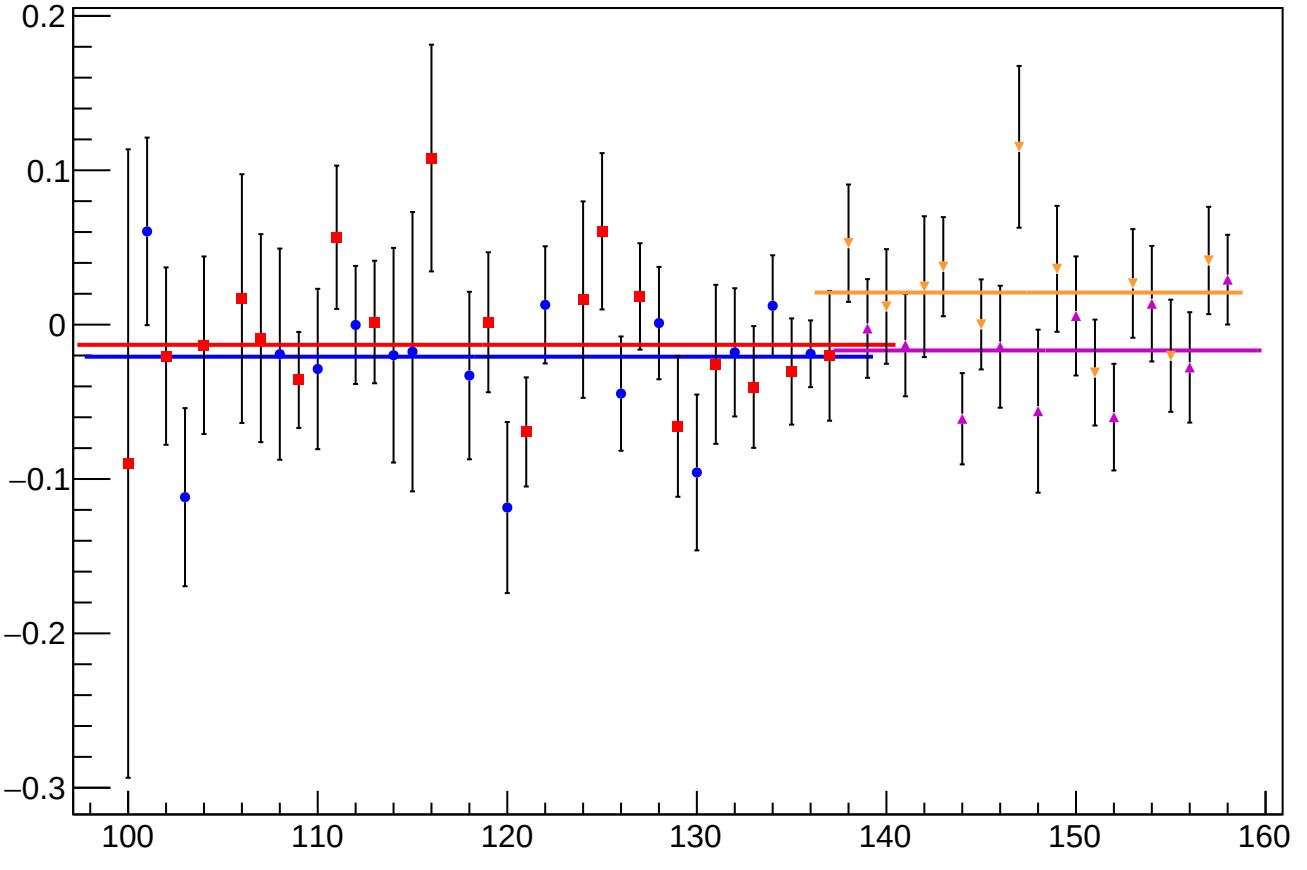
Left: 32.007+/-0.006 χ^2/NDF: 688941.1/20

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

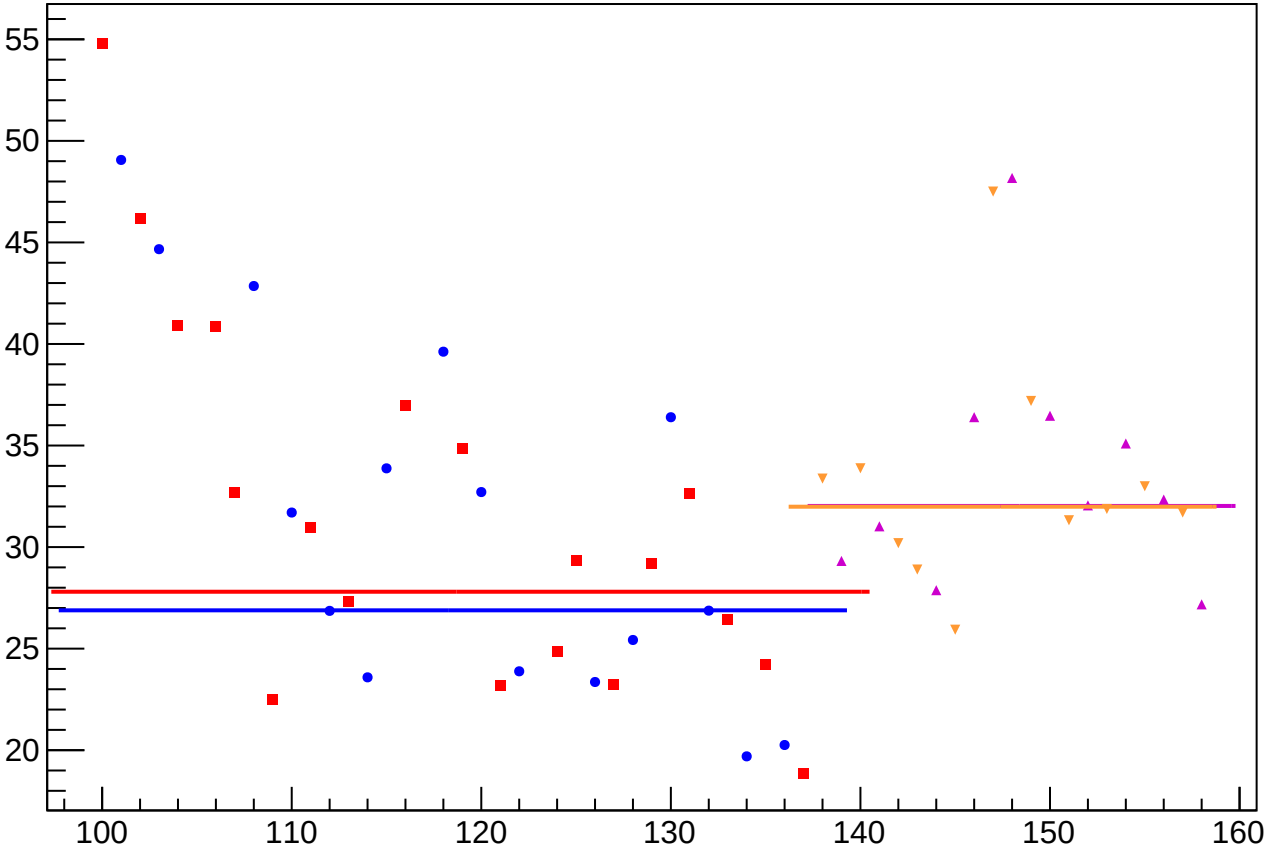
In: 29.332+/-0.005 χ^2/NDF:1711128.8/25

Out: 29.804+/-0.005 χ^2/NDF:1239989.4/29

All: 29.568+/-0.004 χ^2/NDF: 2954966.1/55


asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.021+/-0.011 χ²/NDF:8.9/10
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.017+/-0.011 χ²/NDF:8.1/9
Left: 0.002+/-0.008 χ²/NDF: 22.8/20
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.019+/-0.008 χ²/NDF:20.8/25
Out: 0.003+/-0.008 χ²/NDF:27.7/29
All: -0.008+/-0.005 χ²/NDF: 52.6/55

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326023.6/10

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.025+/-0.008 χ^2/NDF:362906.0/9

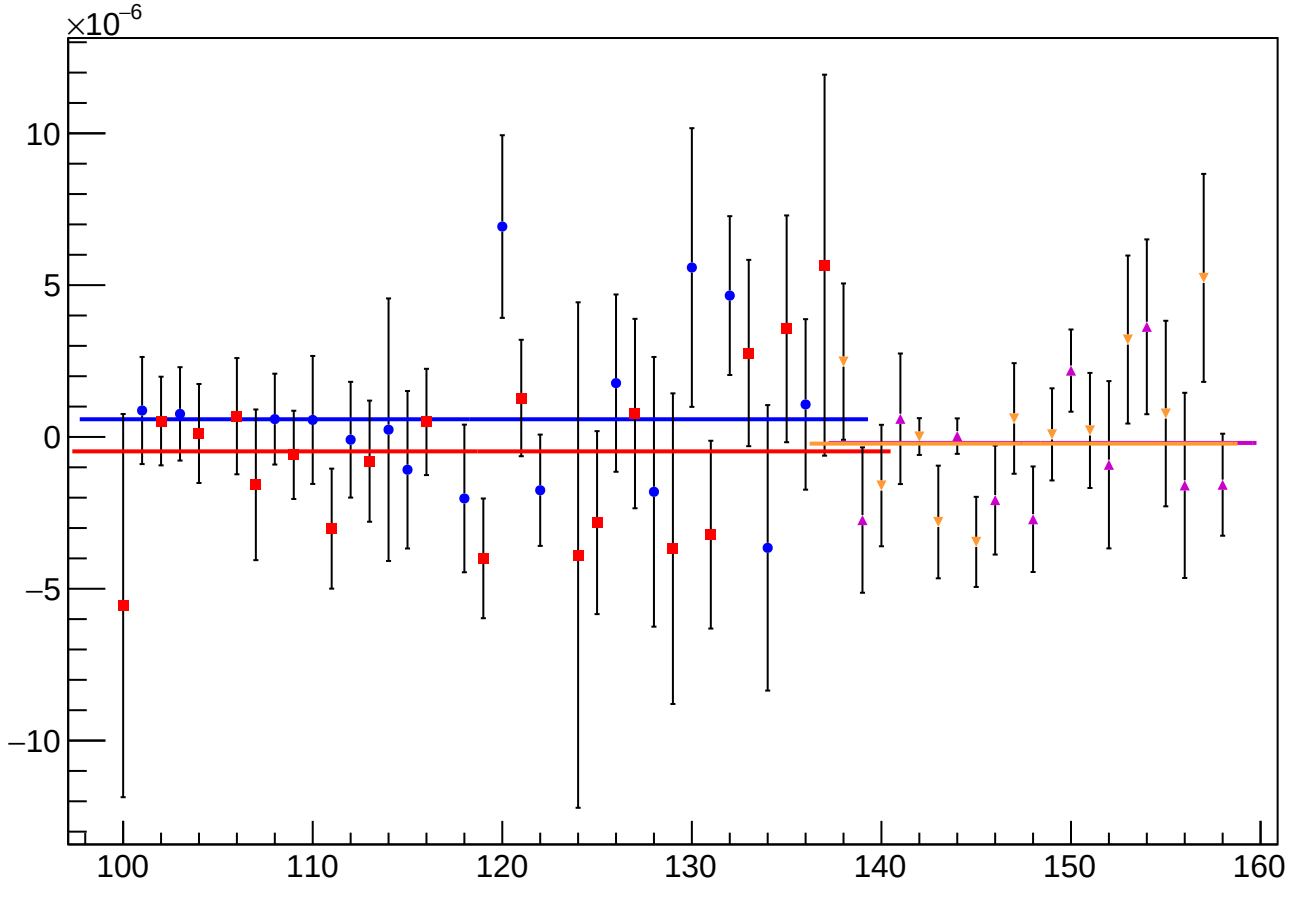
Left: 32.007+/-0.006 χ^2/NDF: 688941.1/20

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.332+/-0.005 χ^2/NDF:1711128.8/25

Out: 29.804+/-0.005 χ^2/NDF:1239989.4/29

All: 29.568+/-0.004 χ^2/NDF: 2954966.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/9

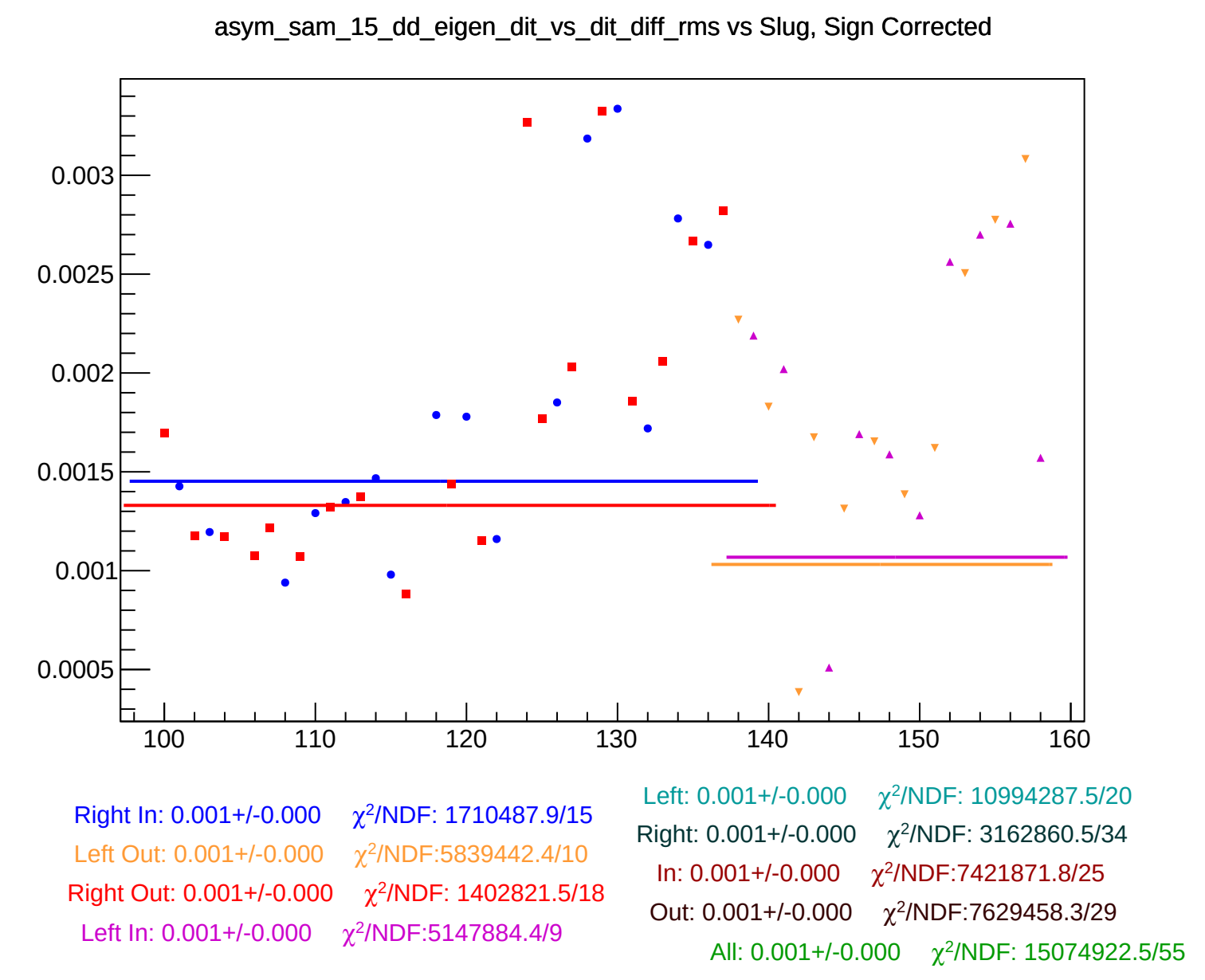
Left: -0.000+/-0.000 χ^2/NDF: 23.3/20

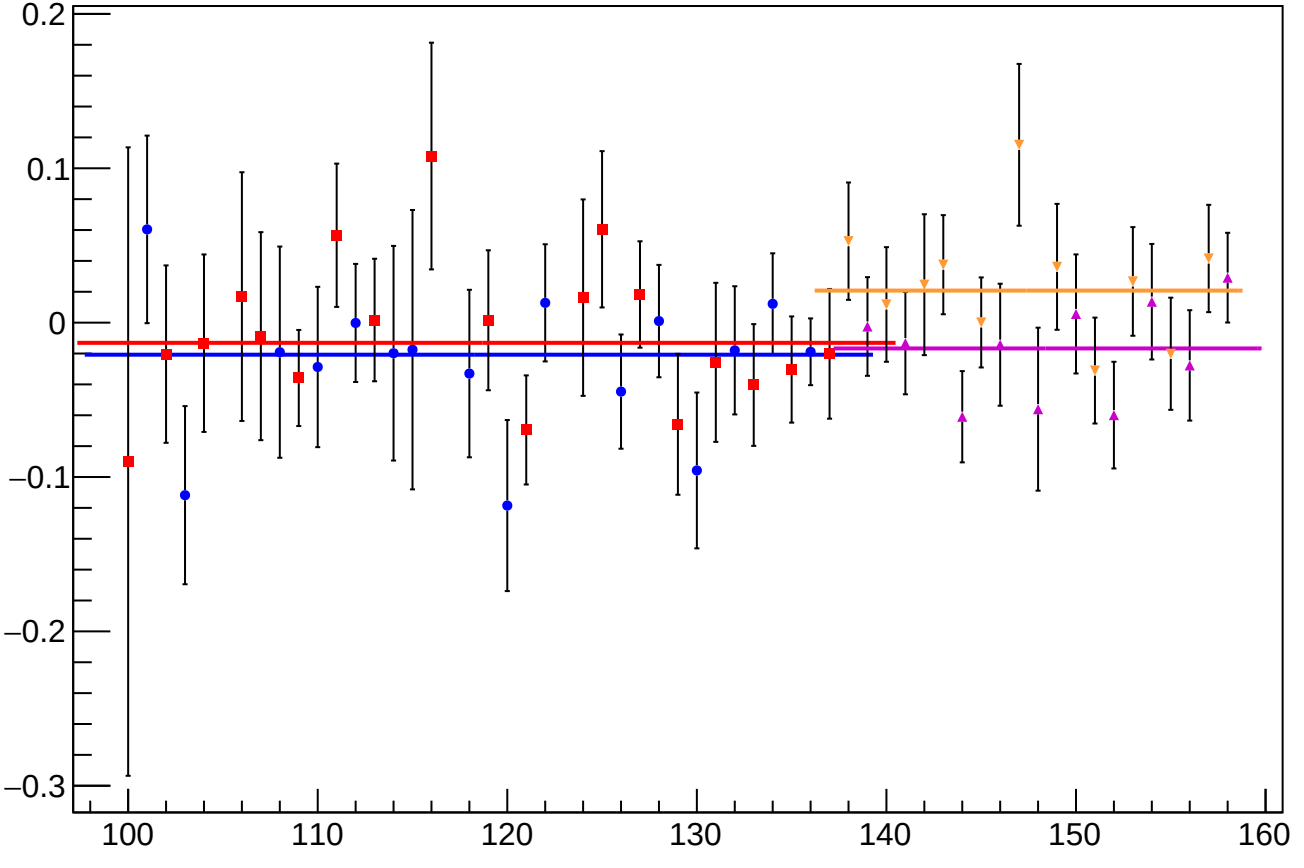
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:24.3/25

Out: -0.000+/-0.000 χ^2/NDF:26.2/29

All: -0.000+/-0.000 χ^2/NDF: 51.3/55


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:5839442.4/10
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:5147884.4/9
Left: 0.001+/-0.000 χ²/NDF: 10994287.5/20
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:7421871.8/25
Out: 0.001+/-0.000 χ²/NDF:7629458.3/29
All: 0.001+/-0.000 χ²/NDF: 15074922.5/55



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.021+/-0.011 χ^2/NDF:8.9/10

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.017+/-0.011 χ^2/NDF:8.1/9

Left: 0.002+/-0.008 χ^2/NDF: 22.8/20

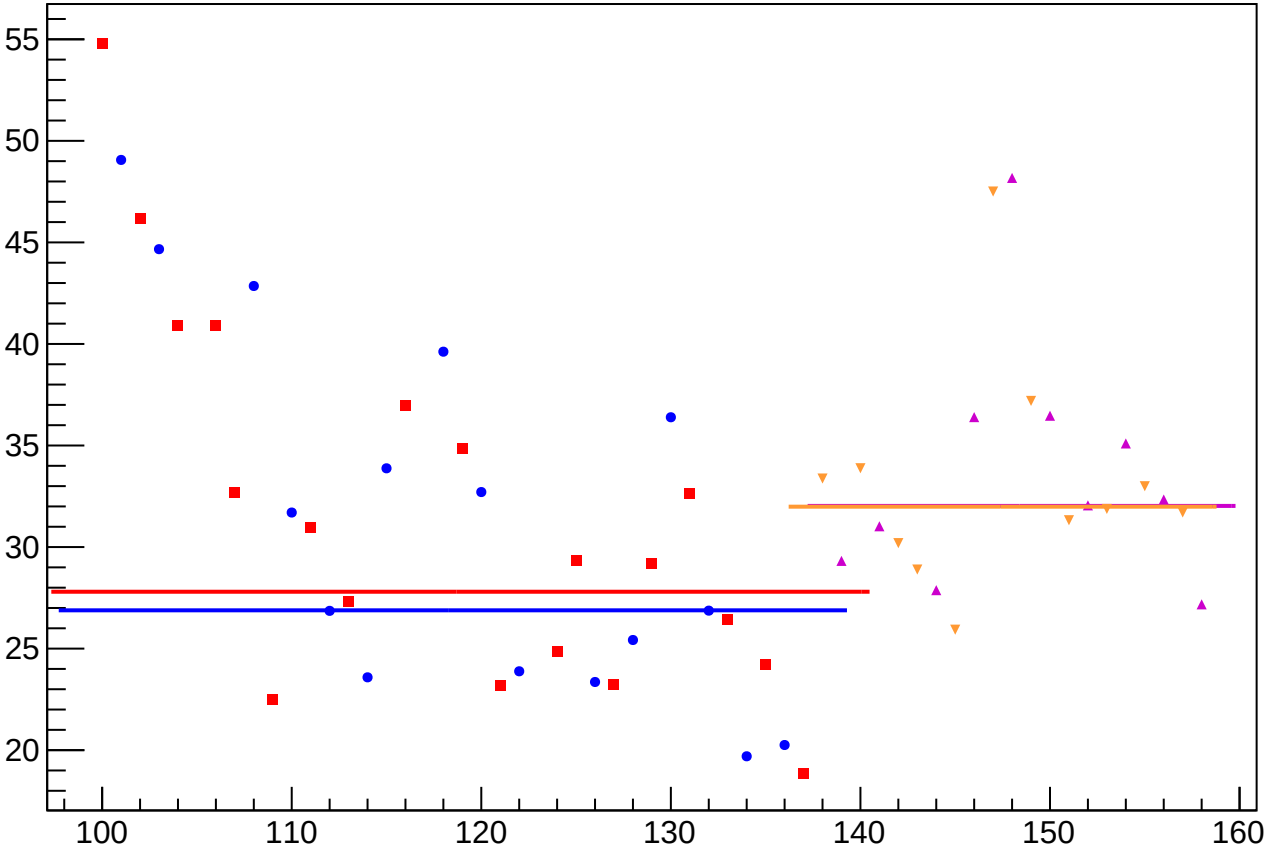
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.008 χ^2/NDF:20.8/25

Out: 0.003+/-0.008 χ^2/NDF:27.7/29

All: -0.008+/-0.005 χ^2/NDF: 52.6/55

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326076.2/10

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.026+/-0.008 χ^2/NDF:362950.2/9

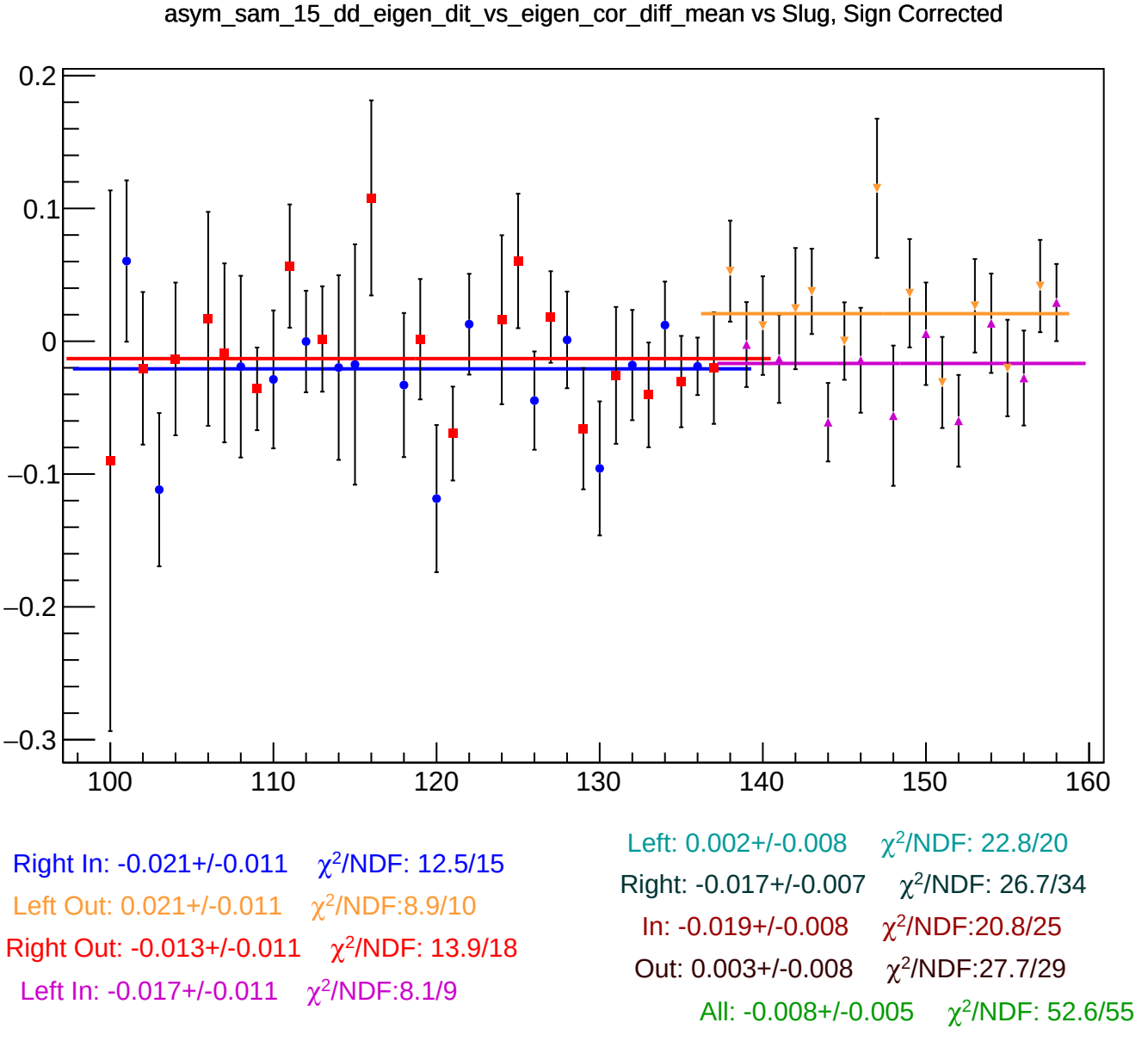
Left: 32.007+/-0.006 χ^2/NDF: 689038.0/20

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

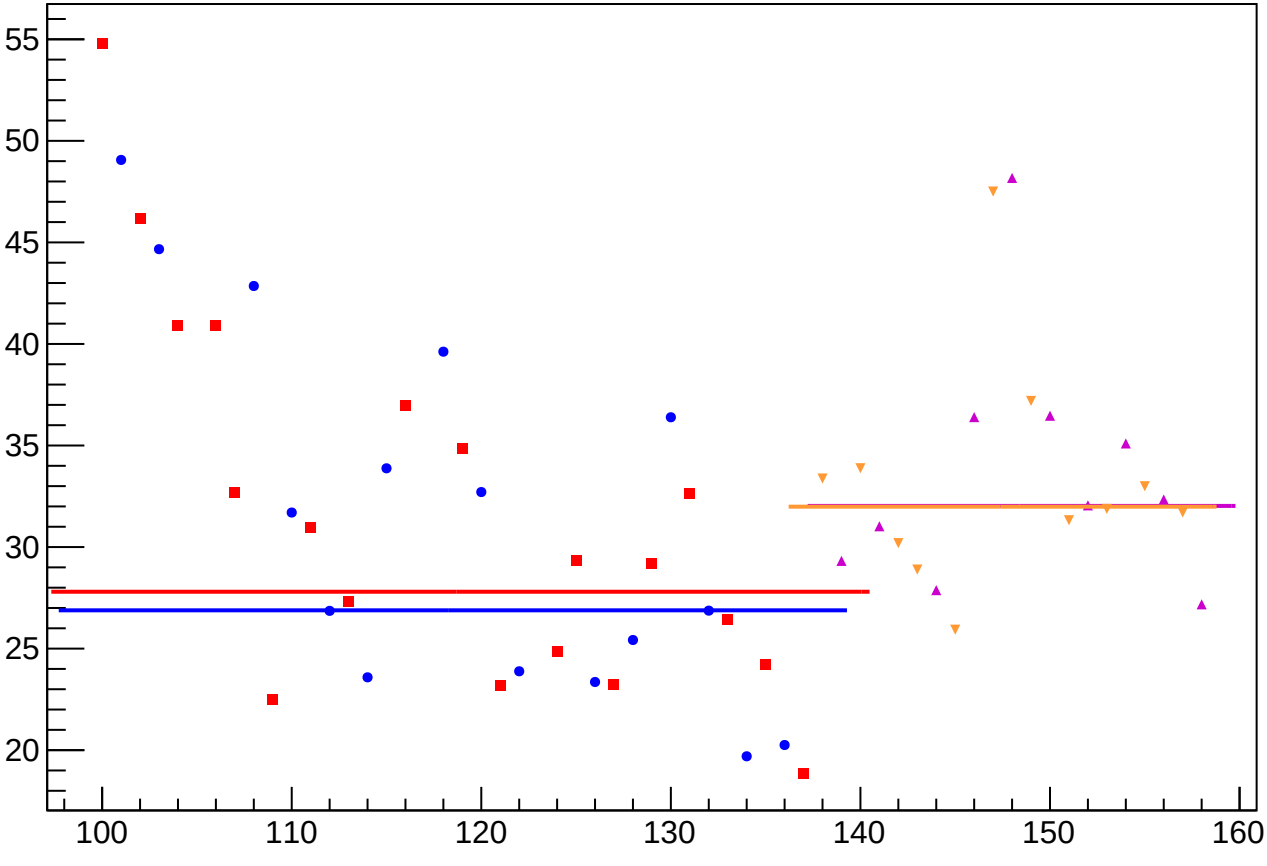
In: 29.332+/-0.005 χ^2/NDF:1711292.1/25

Out: 29.804+/-0.005 χ^2/NDF:1240271.6/29

All: 29.567+/-0.004 χ^2/NDF: 2955407.5/55


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.021+/-0.011 χ²/NDF:8.9/10
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.017+/-0.011 χ²/NDF:8.1/9
Left: 0.002+/-0.008 χ²/NDF: 22.8/20
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.019+/-0.008 χ²/NDF:20.8/25
Out: 0.003+/-0.008 χ²/NDF:27.7/29
All: -0.008+/-0.005 χ²/NDF: 52.6/55

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326076.2/10

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.026+/-0.008 χ^2/NDF:362950.2/9

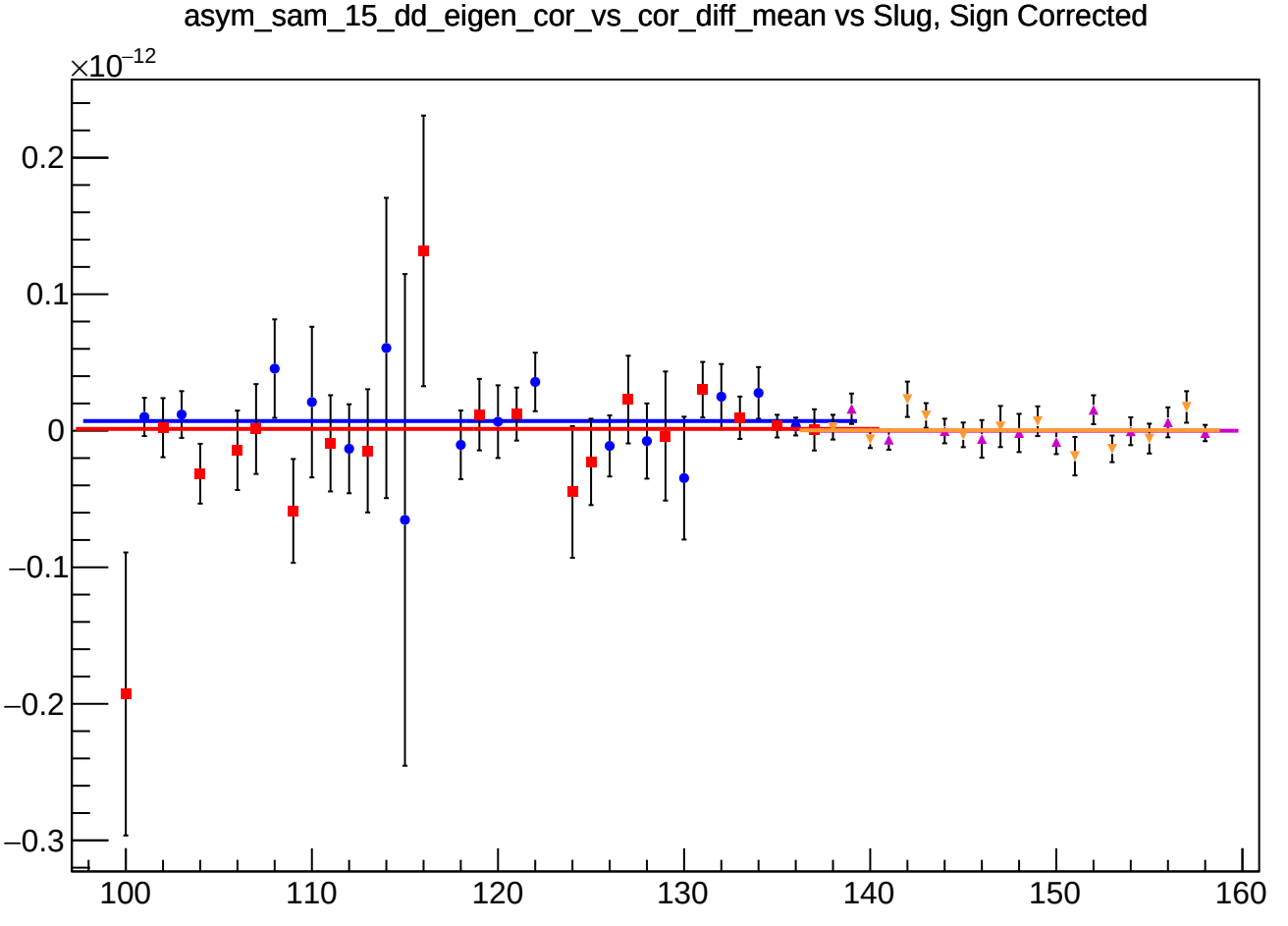
Left: 32.007+/-0.006 χ^2/NDF: 689038.0/20

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.332+/-0.005 χ^2/NDF:1711292.1/25

Out: 29.804+/-0.005 χ^2/NDF:1240271.6/29

All: 29.567+/-0.004 χ^2/NDF: 2955407.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/9

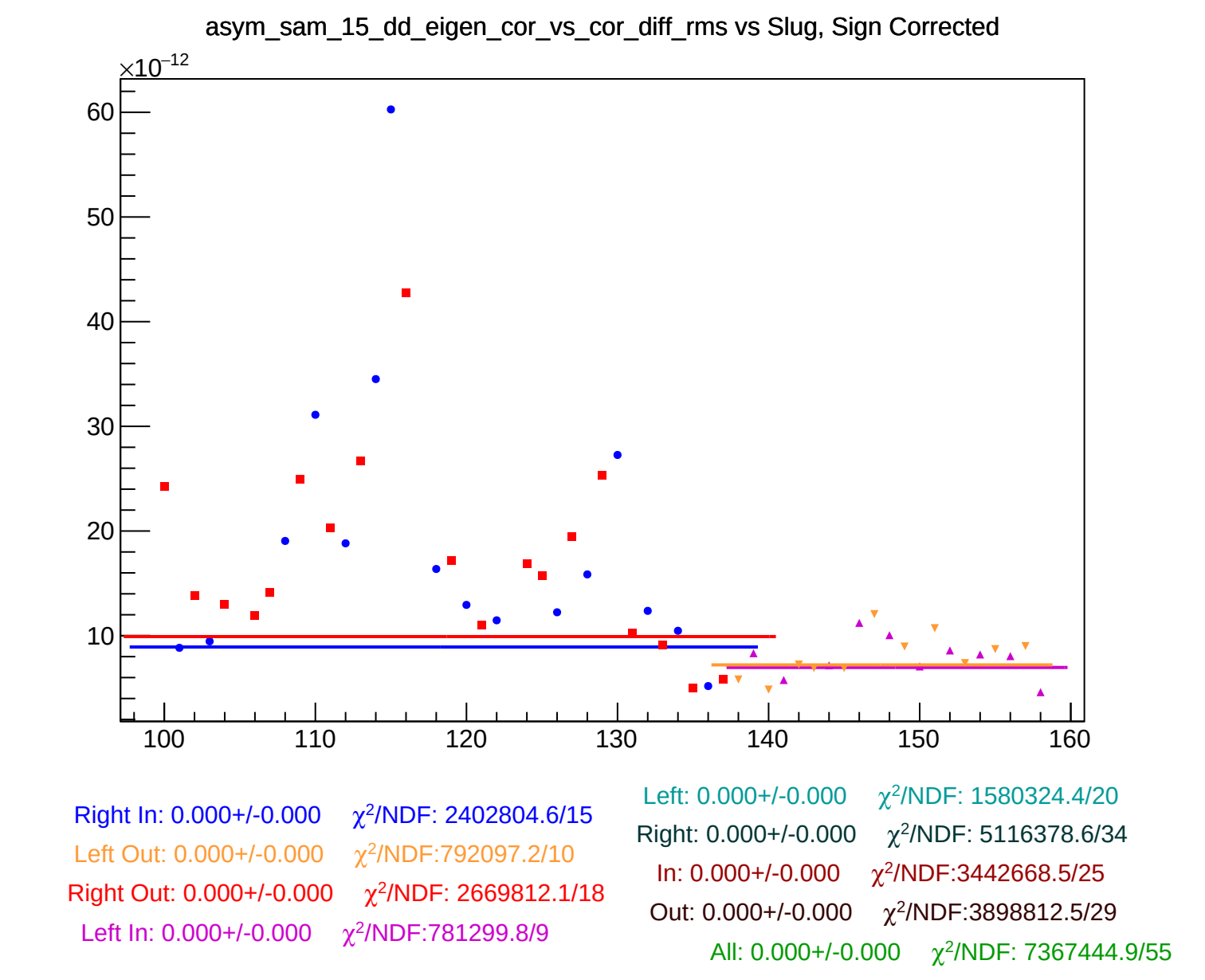
Left: 0.000+/-0.000 χ^2/NDF: 18.9/20

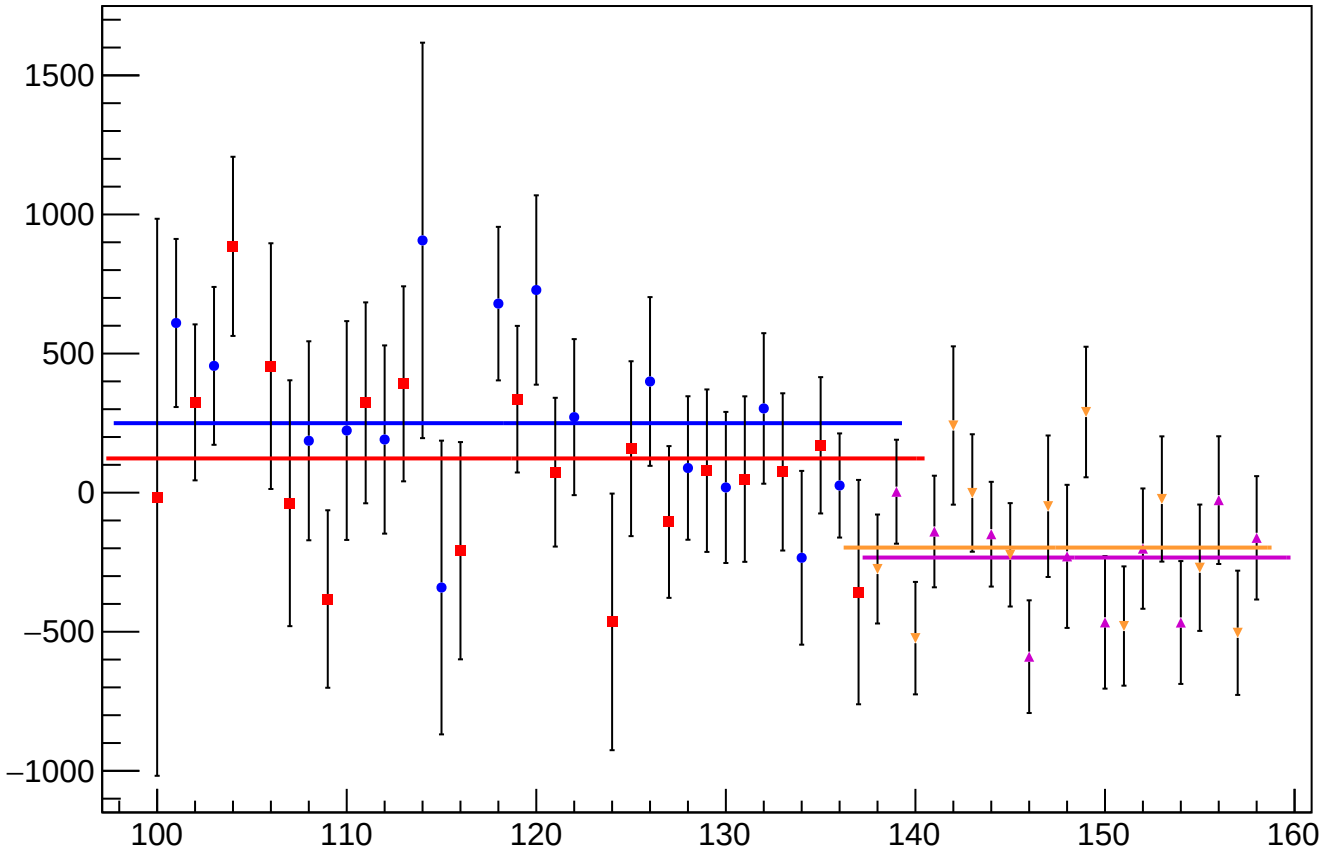
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:16.5/25

Out: 0.000+/-0.000 χ^2/NDF:27.7/29

All: 0.000+/-0.000 χ^2/NDF: 44.3/55


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:792097.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:781299.8/9
Left: 0.000+/-0.000 χ²/NDF: 1580324.4/20
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:3442668.5/25
Out: 0.000+/-0.000 χ²/NDF:3898812.5/29
All: 0.000+/-0.000 χ²/NDF: 7367444.9/55



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -197.412+/-66.107 χ^2/NDF:15.0/10

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -233.248+/-67.419 χ^2/NDF:8.1/9

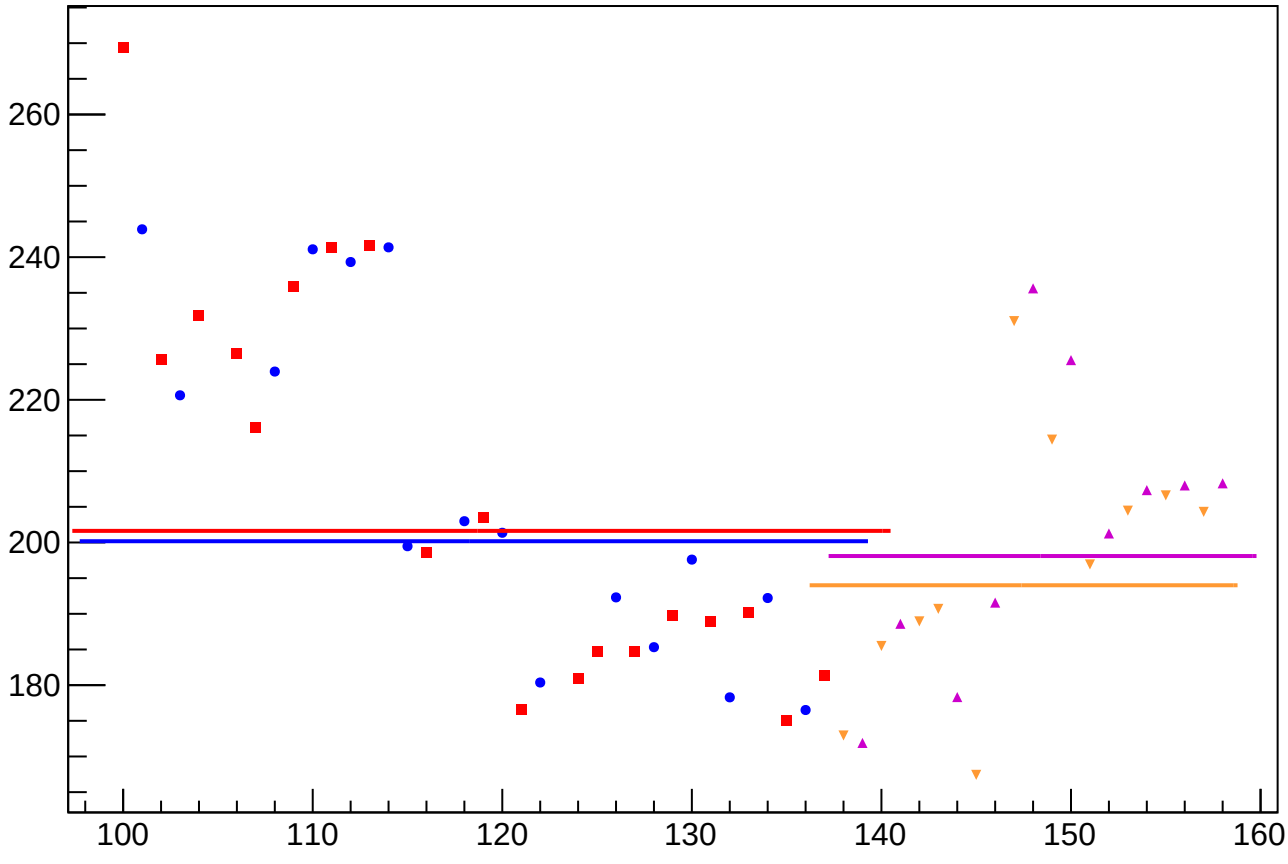
Left: -214.978+/-47.202 χ^2/NDF: 23.2/20

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -16.989+/-50.102 χ^2/NDF:44.9/25

Out: -55.990+/-49.409 χ^2/NDF:40.9/29

All: -36.761+/-35.180 χ^2/NDF: 86.1/55



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 194.003+/-0.047 χ^2/NDF:141338.0/10

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

Left: 196.012+/-0.033 χ^2/NDF: 294070.1/20

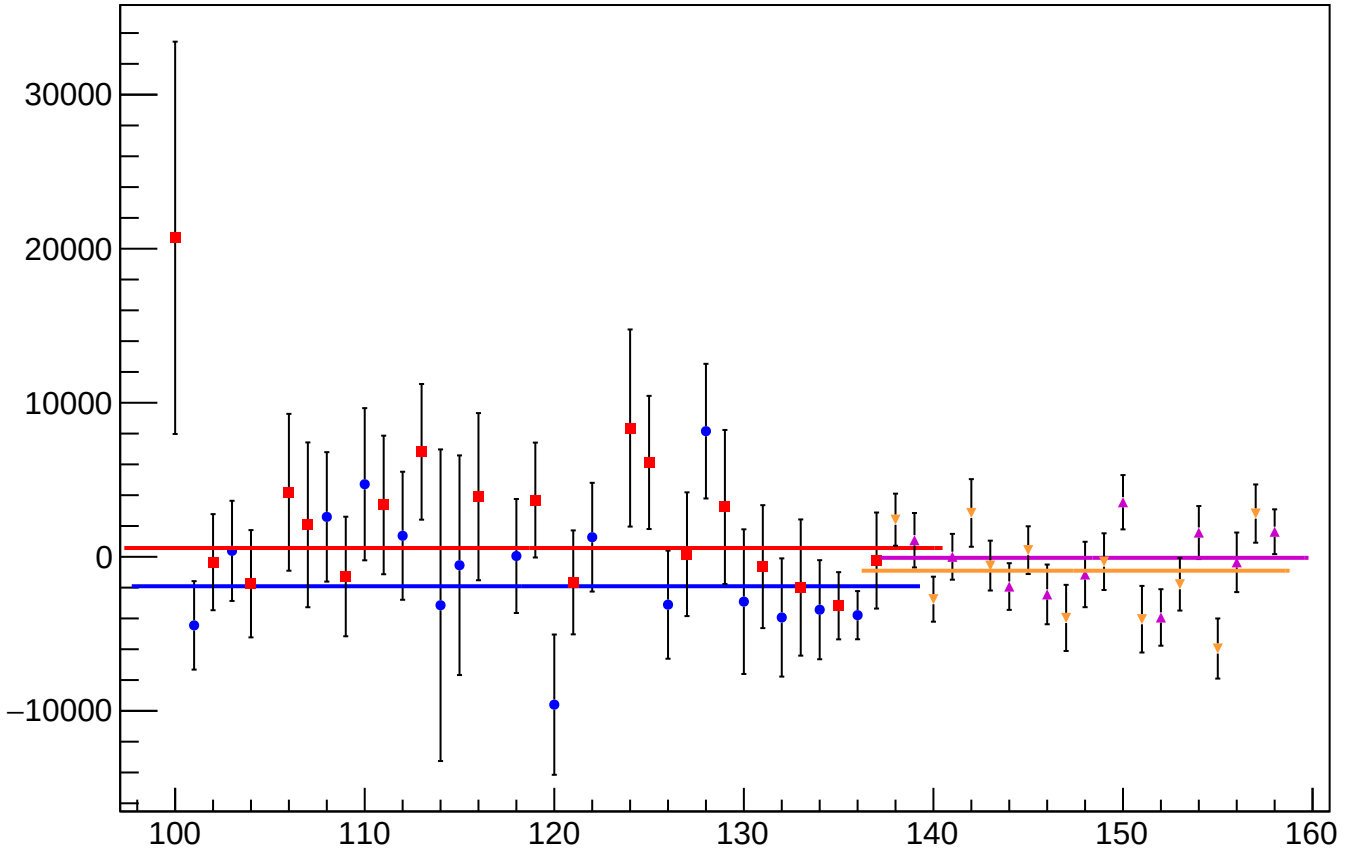
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 199.031+/-0.035 χ^2/NDF:330813.2/25

Out: 197.368+/-0.035 χ^2/NDF:350326.3/29

All: 198.188+/-0.025 χ^2/NDF: 682256.2/55

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: -902.546+/-539.534 χ^2/NDF:24.2/10

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -65.978+/-542.880 χ^2/NDF:14.6/9

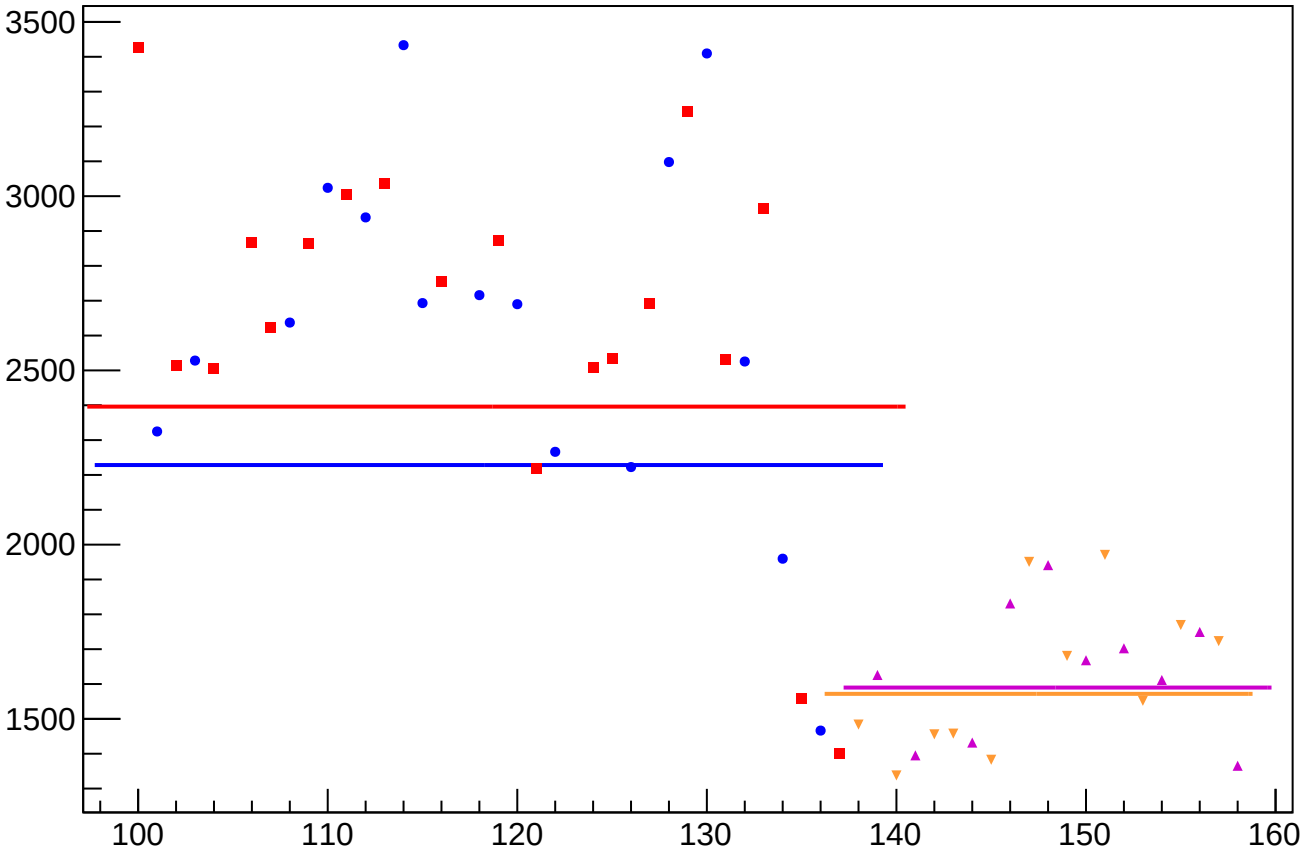
Left: -486.849+/-382.686 χ^2/NDF: 40.0/20

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -592.312+/-458.927 χ^2/NDF:34.2/25

Out: -513.287+/-462.814 χ^2/NDF:40.8/29

All: -553.132+/-325.876 χ^2/NDF: 75.0/55



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1571.802+/-0.382 χ^2/NDF:273030.9/10

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1589.825+/-0.384 χ^2/NDF:215633.1/9

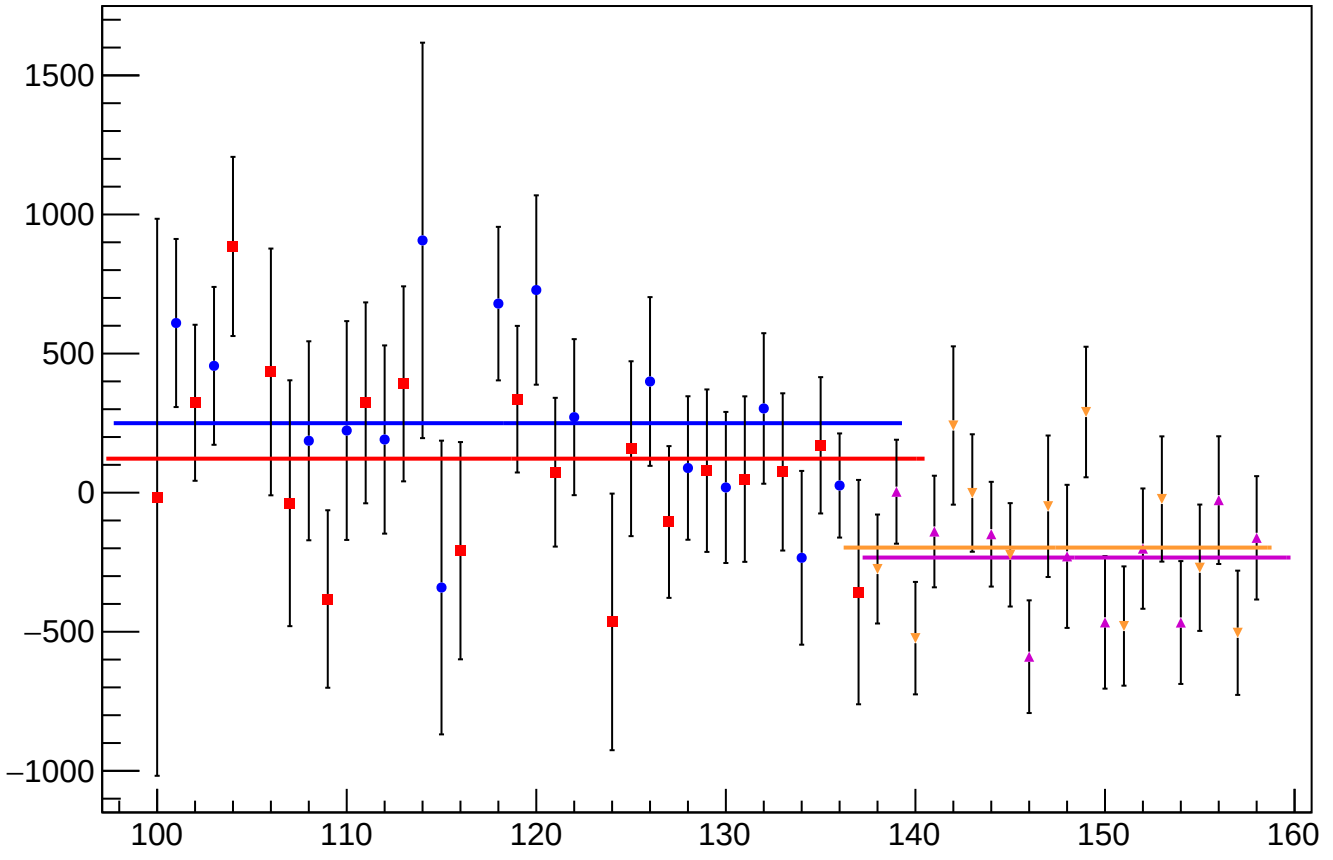
Left: 1580.757+/-0.271 χ^2/NDF: 489773.0/20

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1772.066+/-0.325 χ^2/NDF:1953059.4/25

Out: 1789.555+/-0.327 χ^2/NDF:2305667.3/29

All: 1780.737+/-0.230 χ^2/NDF: 4260166.9/55



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -197.403+/-66.107 χ^2/NDF:15.0/10

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -233.246+/-67.419 χ^2/NDF:8.1/9

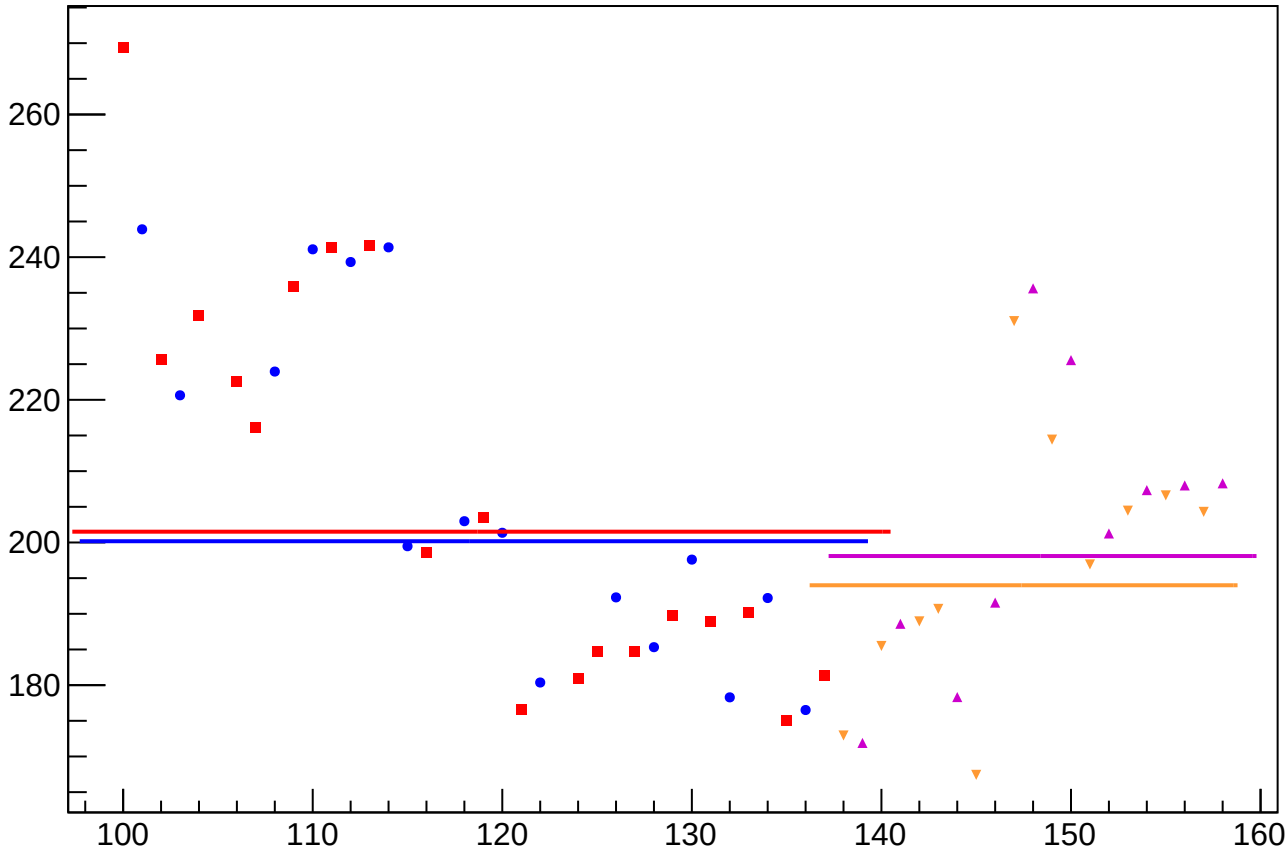
Left: -214.972+/-47.202 χ^2/NDF: 23.2/20

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -16.987+/-50.102 χ^2/NDF:44.9/25

Out: -56.353+/-49.412 χ^2/NDF:40.8/29

All: -36.943+/-35.181 χ^2/NDF: 85.9/55



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 194.003+/-0.047 χ^2/NDF:141338.0/10

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

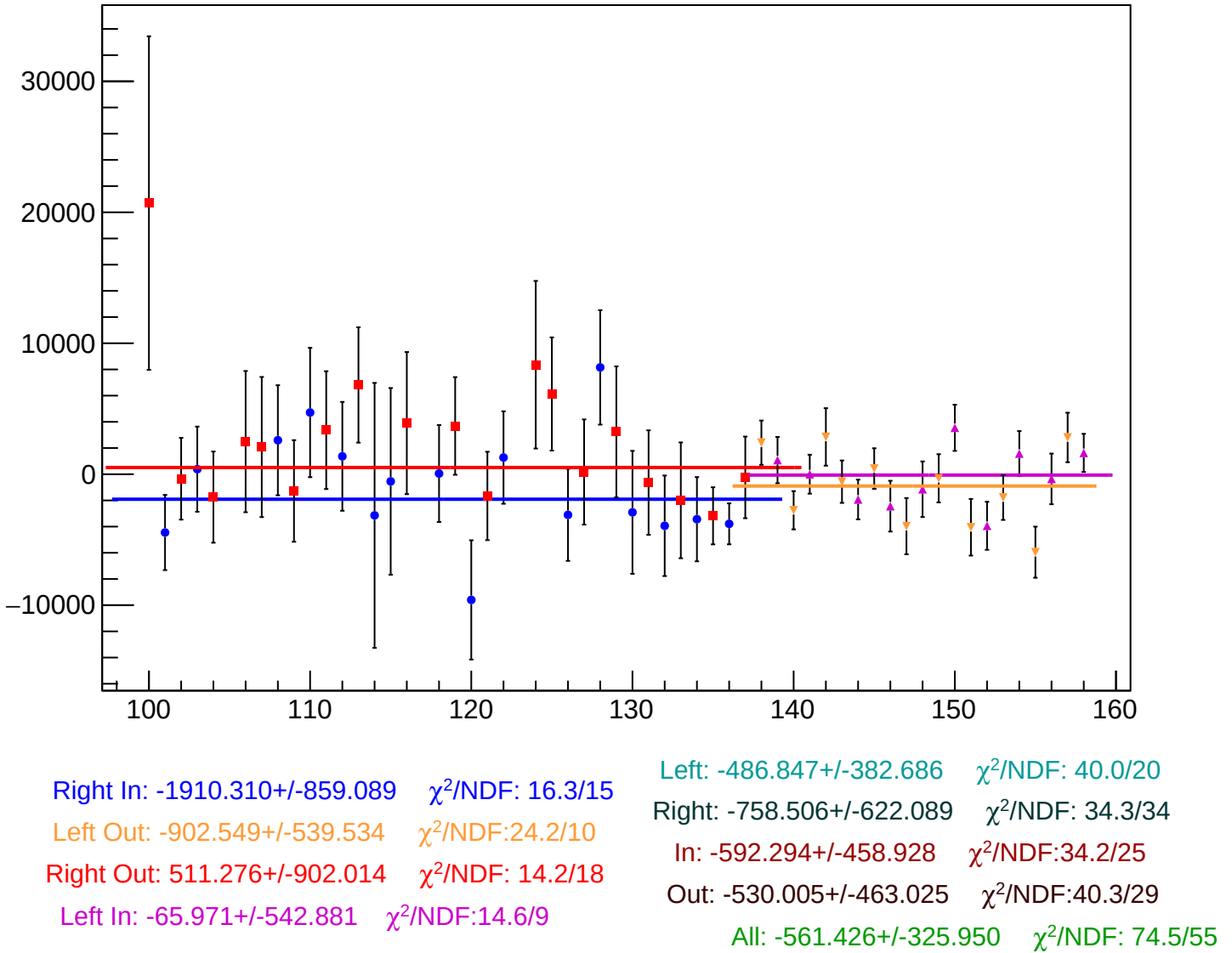
Left: 196.012+/-0.033 χ^2/NDF: 294070.1/20

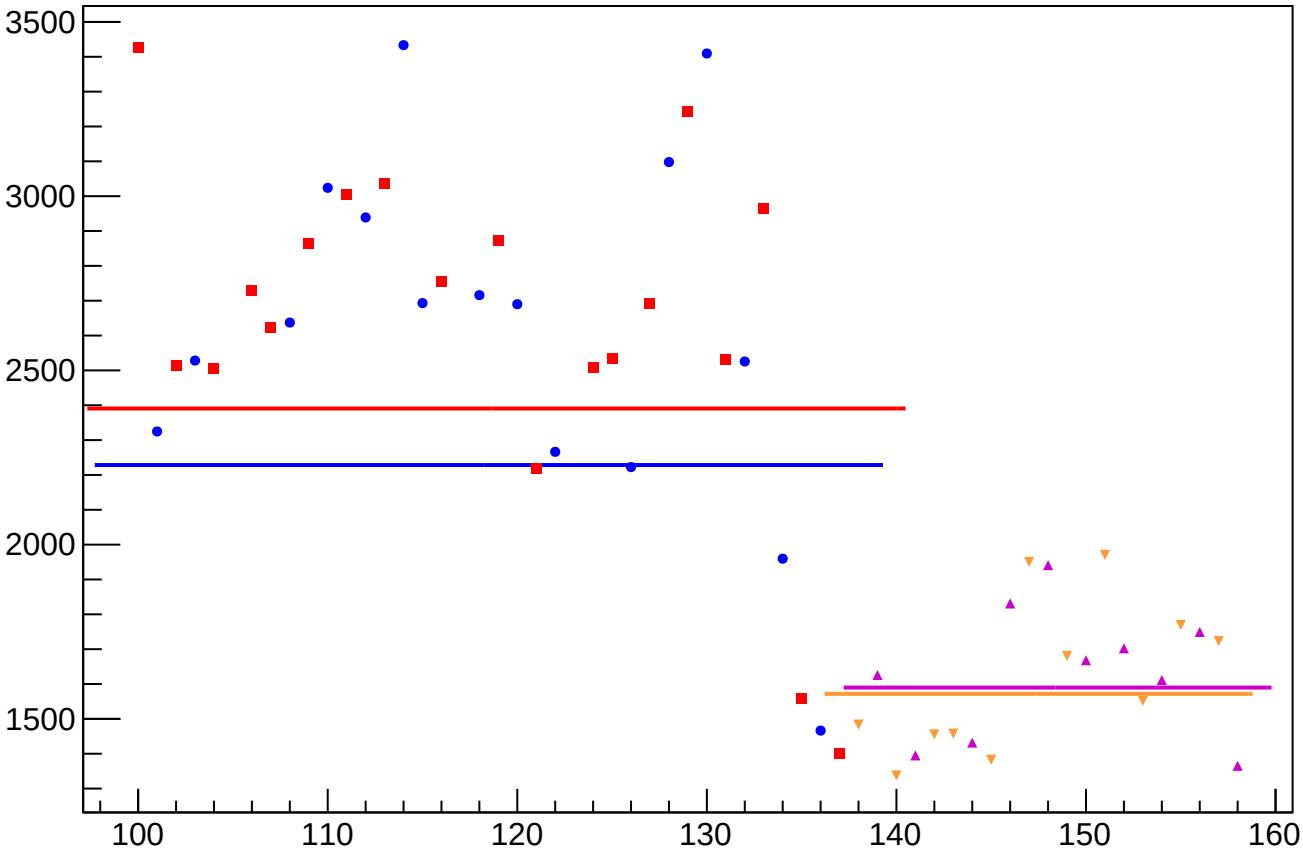
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.031+/-0.035 χ^2/NDF:330813.5/25

Out: 197.318+/-0.035 χ^2/NDF:348165.2/29

All: 198.162+/-0.025 χ^2/NDF: 680163.9/55


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -902.549+/-539.534 χ²/NDF:24.2/10
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -65.971+/-542.881 χ²/NDF:14.6/9
Left: -486.847+/-382.686 χ²/NDF: 40.0/20
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -592.294+/-458.928 χ²/NDF:34.2/25
Out: -530.005+/-463.025 χ²/NDF:40.3/29
All: -561.426+/-325.950 χ²/NDF: 74.5/55



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1571.802+/-0.382 χ^2/NDF:273031.8/10

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1589.825+/-0.384 χ^2/NDF:215633.4/9

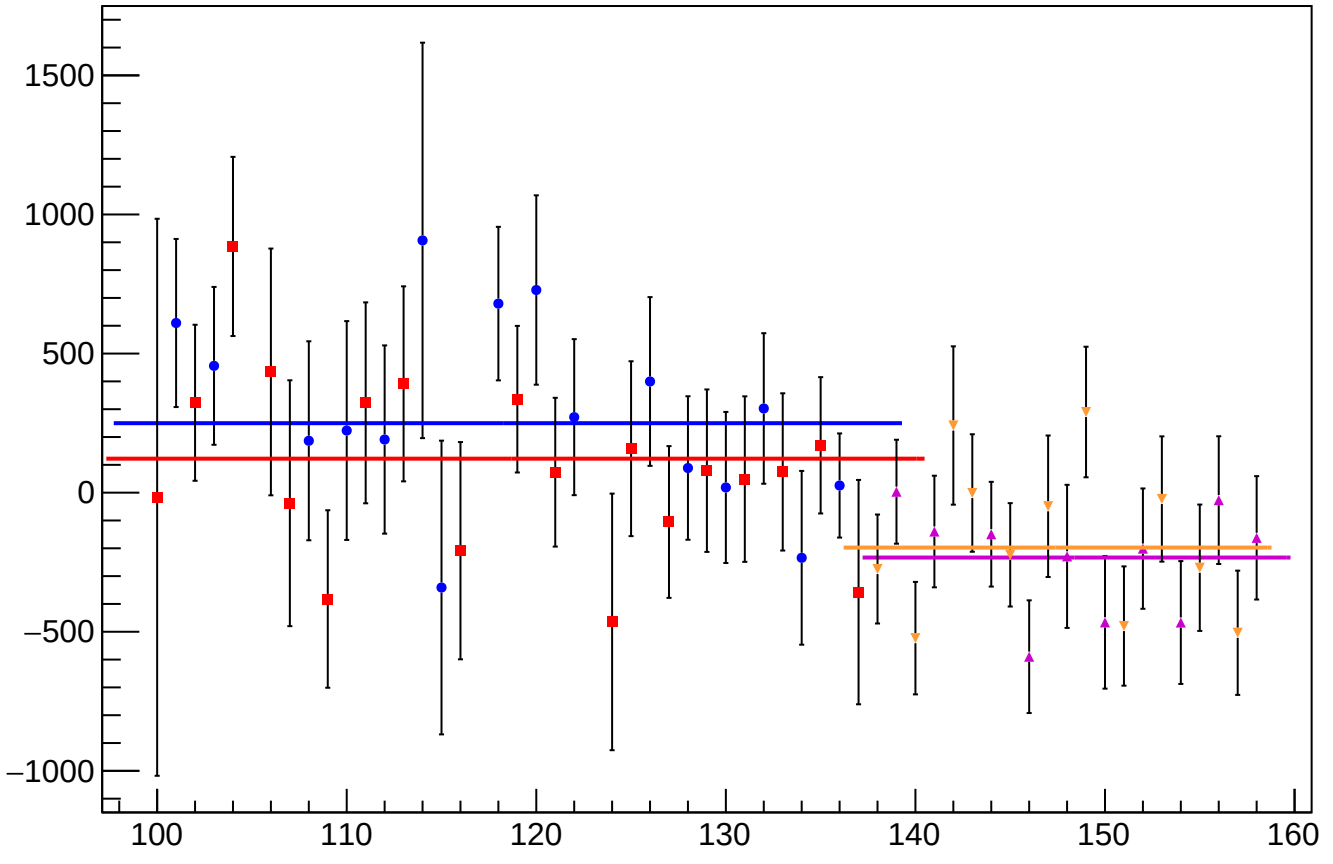
Left: 1580.758+/-0.271 χ^2/NDF: 489774.2/20

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1772.067+/-0.325 χ^2/NDF:1953070.3/25

Out: 1787.591+/-0.327 χ^2/NDF:2277173.5/29

All: 1779.760+/-0.230 χ^2/NDF: 4231377.9/55



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -197.403+/-66.107 χ^2/NDF:15.0/10

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -233.246+/-67.419 χ^2/NDF:8.1/9

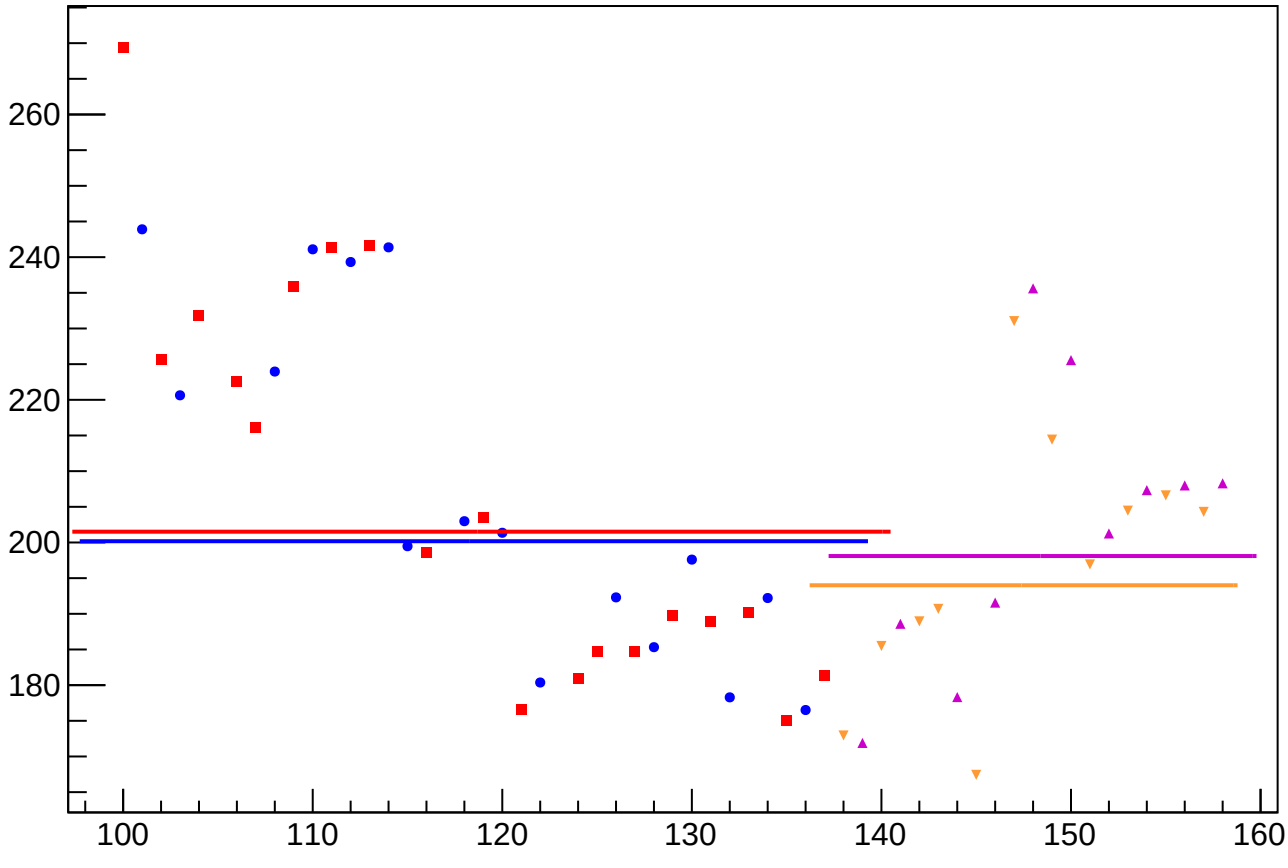
Left: -214.972+/-47.202 χ^2/NDF: 23.2/20

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -16.987+/-50.102 χ^2/NDF:44.9/25

Out: -56.353+/-49.412 χ^2/NDF:40.8/29

All: -36.943+/-35.181 χ^2/NDF: 85.9/55



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 194.003+/-0.047 χ^2/NDF:141338.0/10

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

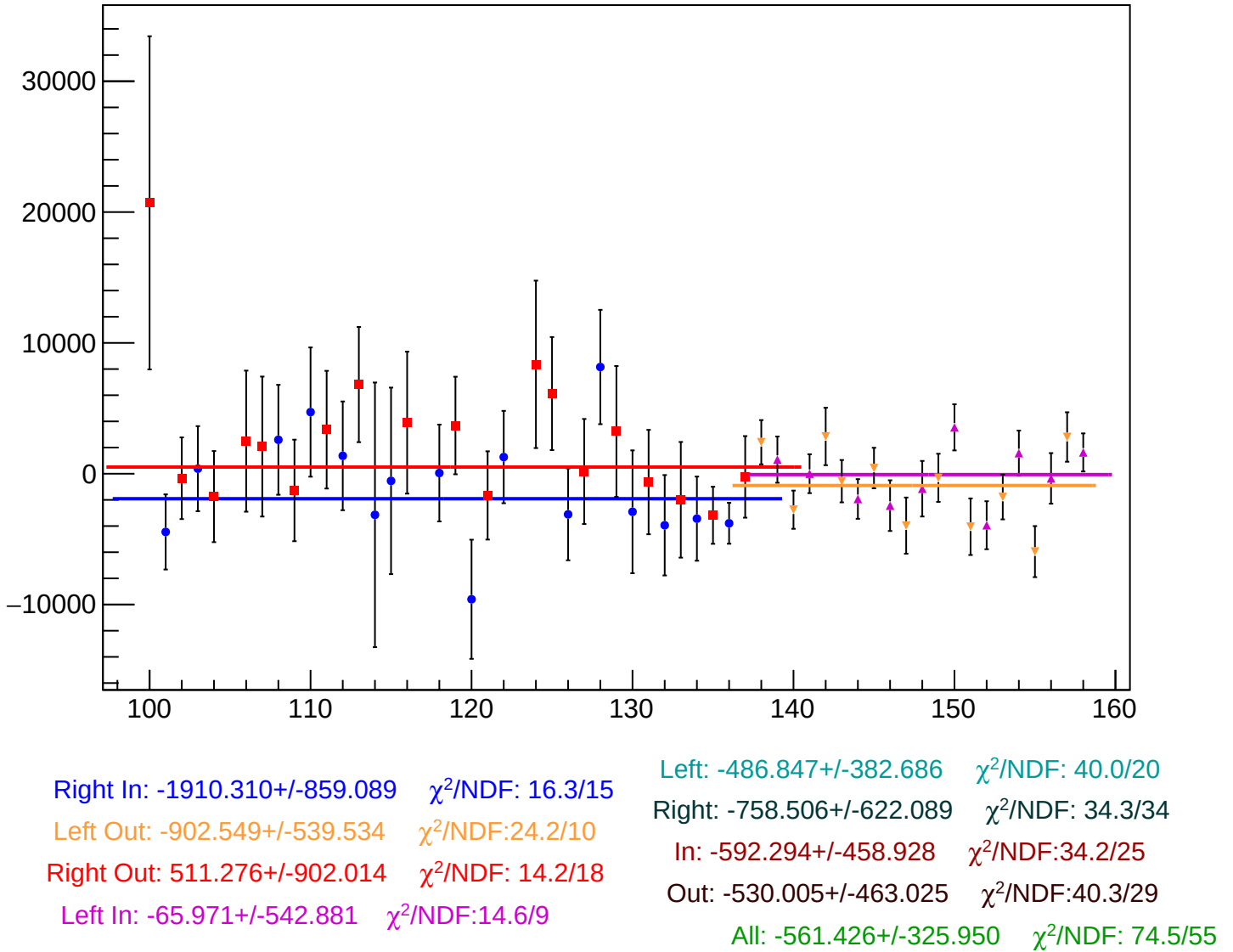
Left: 196.012+/-0.033 χ^2/NDF: 294070.1/20

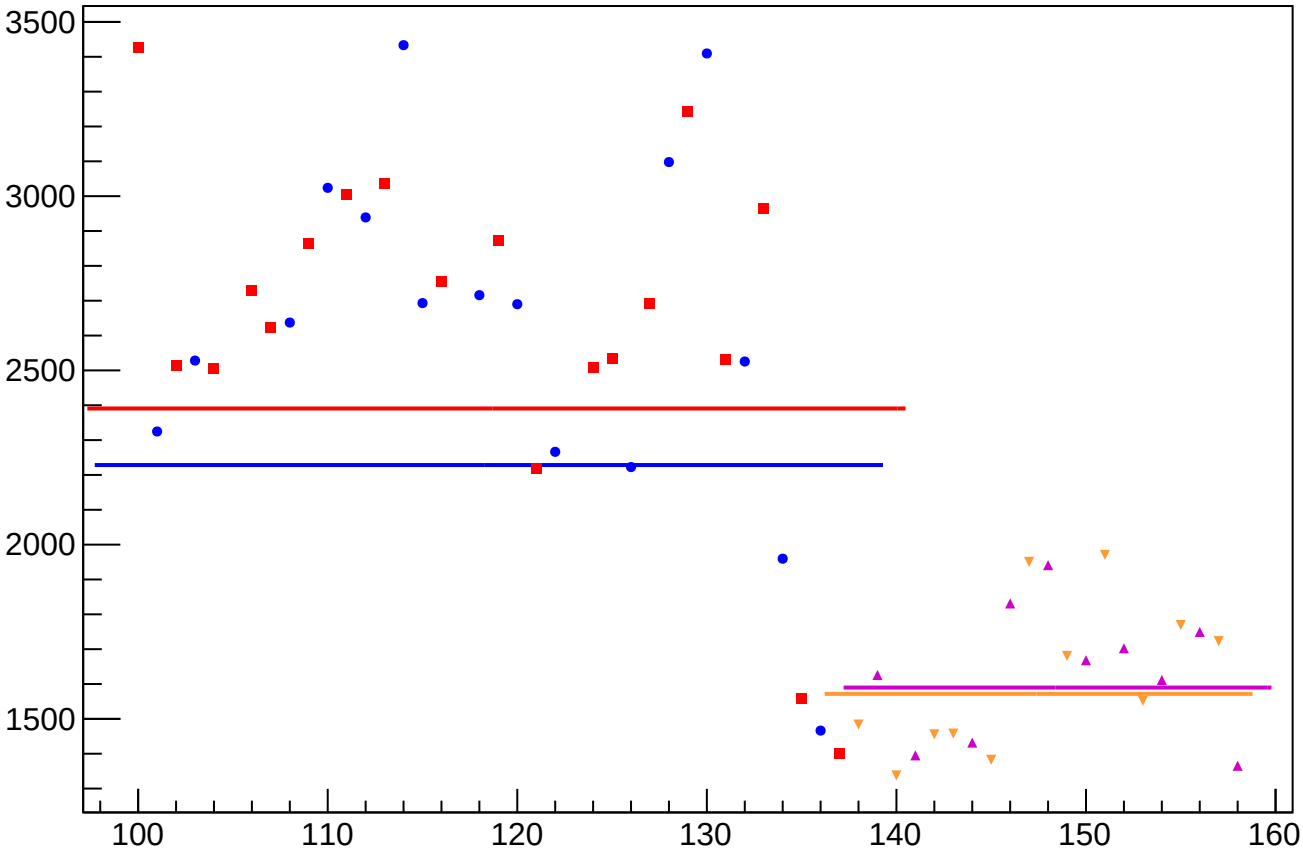
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.031+/-0.035 χ^2/NDF:330813.5/25

Out: 197.318+/-0.035 χ^2/NDF:348165.2/29

All: 198.162+/-0.025 χ^2/NDF: 680163.9/55


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -902.549+/-539.534 χ²/NDF:24.2/10
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -65.971+/-542.881 χ²/NDF:14.6/9
Left: -486.847+/-382.686 χ²/NDF: 40.0/20
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -592.294+/-458.928 χ²/NDF:34.2/25
Out: -530.005+/-463.025 χ²/NDF:40.3/29
All: -561.426+/-325.950 χ²/NDF: 74.5/55



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1571.802+/-0.382 χ^2/NDF:273031.8/10

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1589.825+/-0.384 χ^2/NDF:215633.4/9

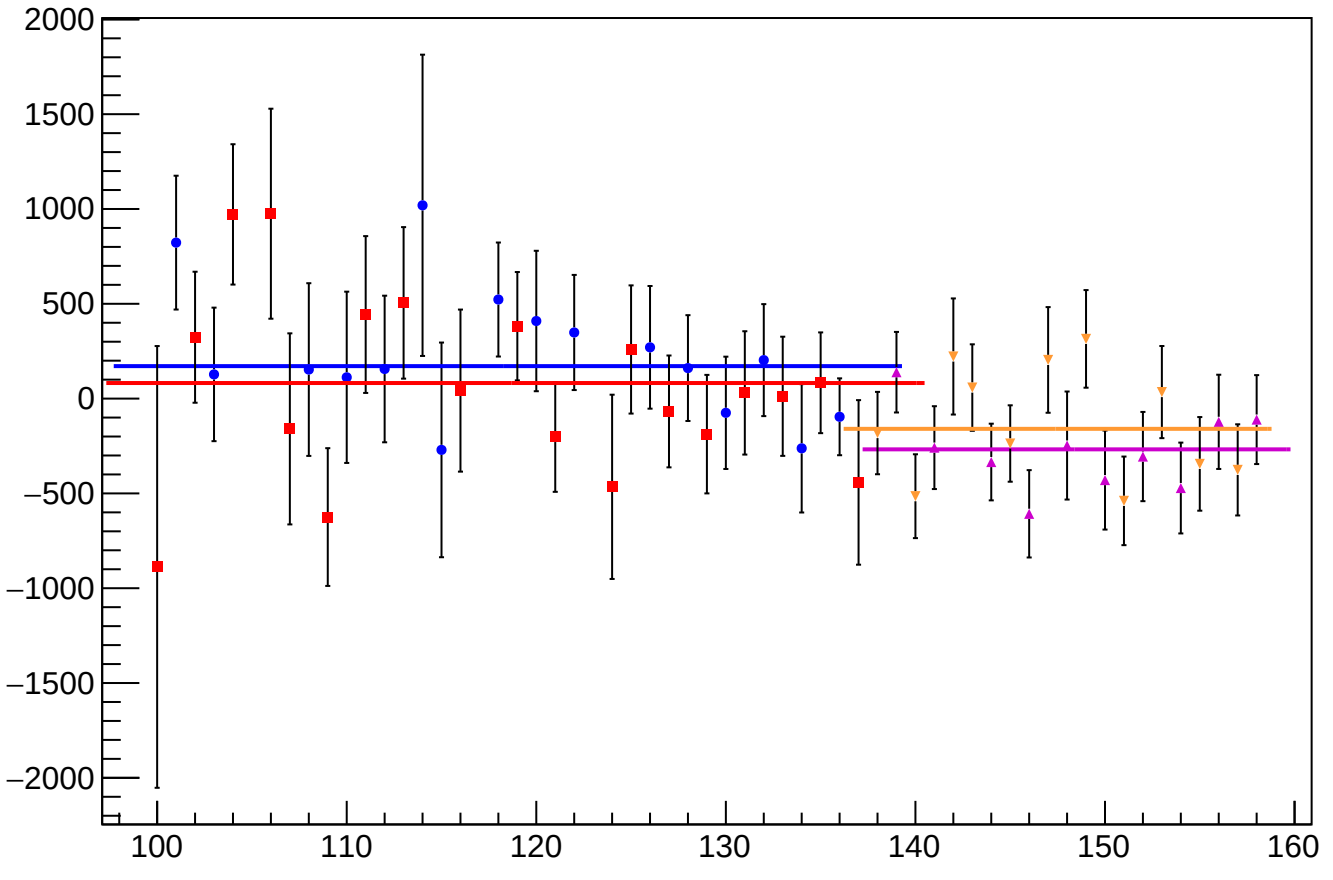
Left: 1580.758+/-0.271 χ^2/NDF: 489774.2/20

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1772.067+/-0.325 χ^2/NDF:1953070.3/25

Out: 1787.591+/-0.327 χ^2/NDF:2277173.5/29

All: 1779.760+/-0.230 χ^2/NDF: 4231377.9/55



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -159.481+/-71.960 χ^2/NDF:15.0/10

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -267.681+/-73.868 χ^2/NDF:7.9/9

Left: -212.165+/-51.545 χ^2/NDF: 23.9/20

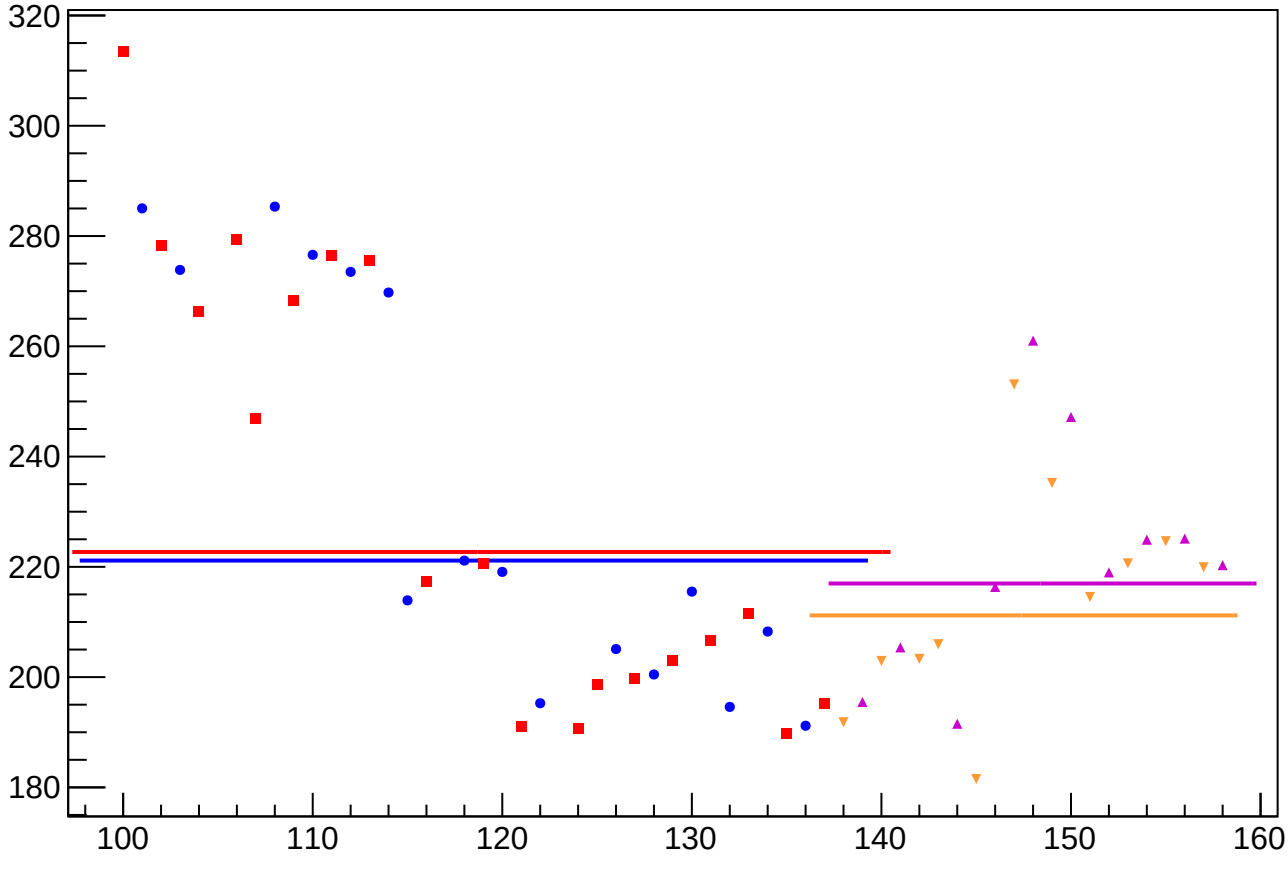
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -73.978+/-55.214 χ^2/NDF:35.0/25

Out: -55.141+/-54.242 χ^2/NDF:41.4/29

All: -64.392+/-38.694 χ^2/NDF: 76.4/55

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 211.192+/-0.051 χ^2/NDF:139119.2/10

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.982+/-0.052 χ^2/NDF:137207.0/9

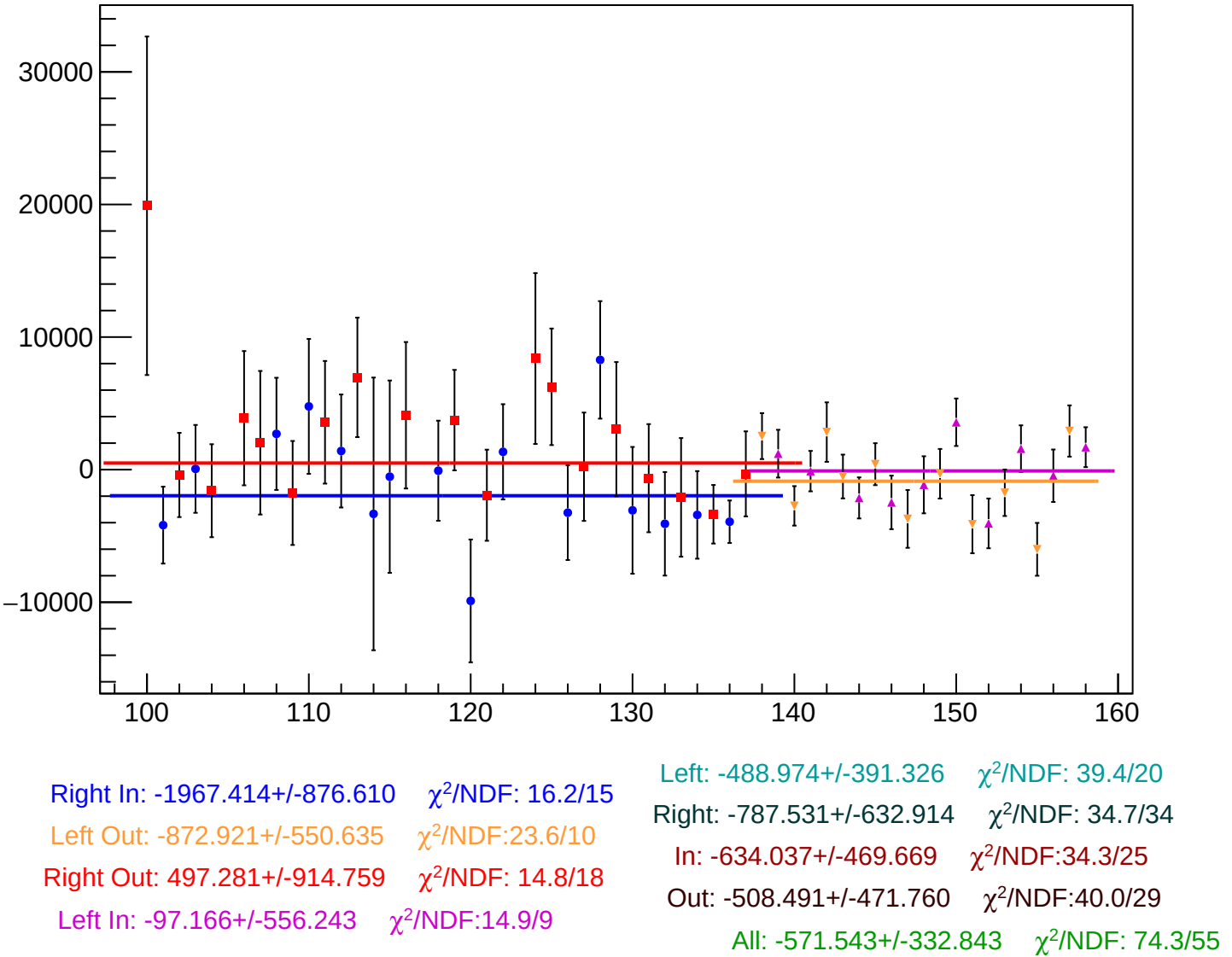
Left: 214.011+/-0.036 χ^2/NDF: 282632.1/20

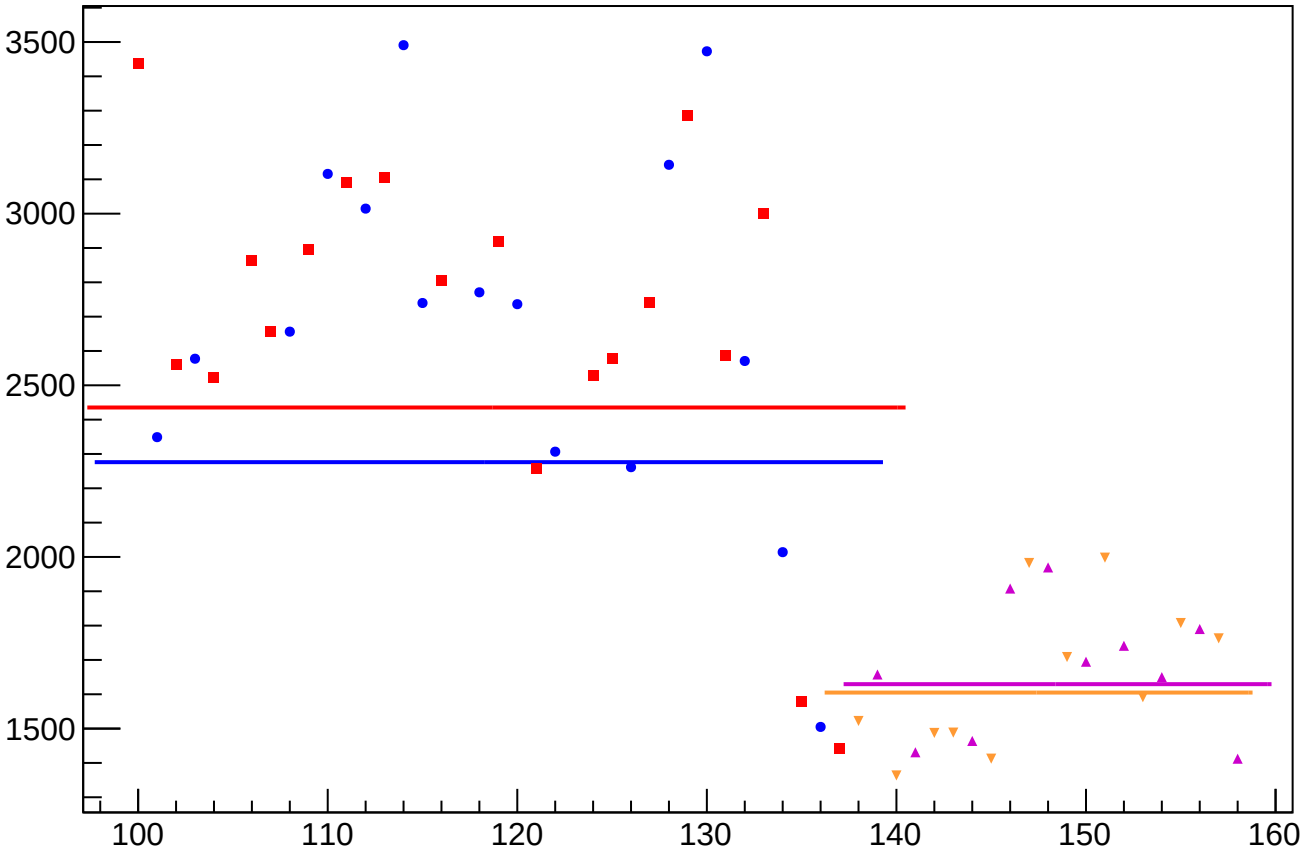
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.817+/-0.039 χ^2/NDF:458703.9/25

Out: 216.160+/-0.038 χ^2/NDF:488229.7/29

All: 217.465+/-0.027 χ^2/NDF: 949289.9/55


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -872.921+/-550.635 χ²/NDF:23.6/10
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -97.166+/-556.243 χ²/NDF:14.9/9
Left: -488.974+/-391.326 χ²/NDF: 39.4/20
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -634.037+/-469.669 χ²/NDF:34.3/25
Out: -508.491+/-471.760 χ²/NDF:40.0/29
All: -571.543+/-332.843 χ²/NDF: 74.3/55



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1604.961+/-0.389 χ^2/NDF:266714.7/10

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1629.450+/-0.393 χ^2/NDF:209974.1/9

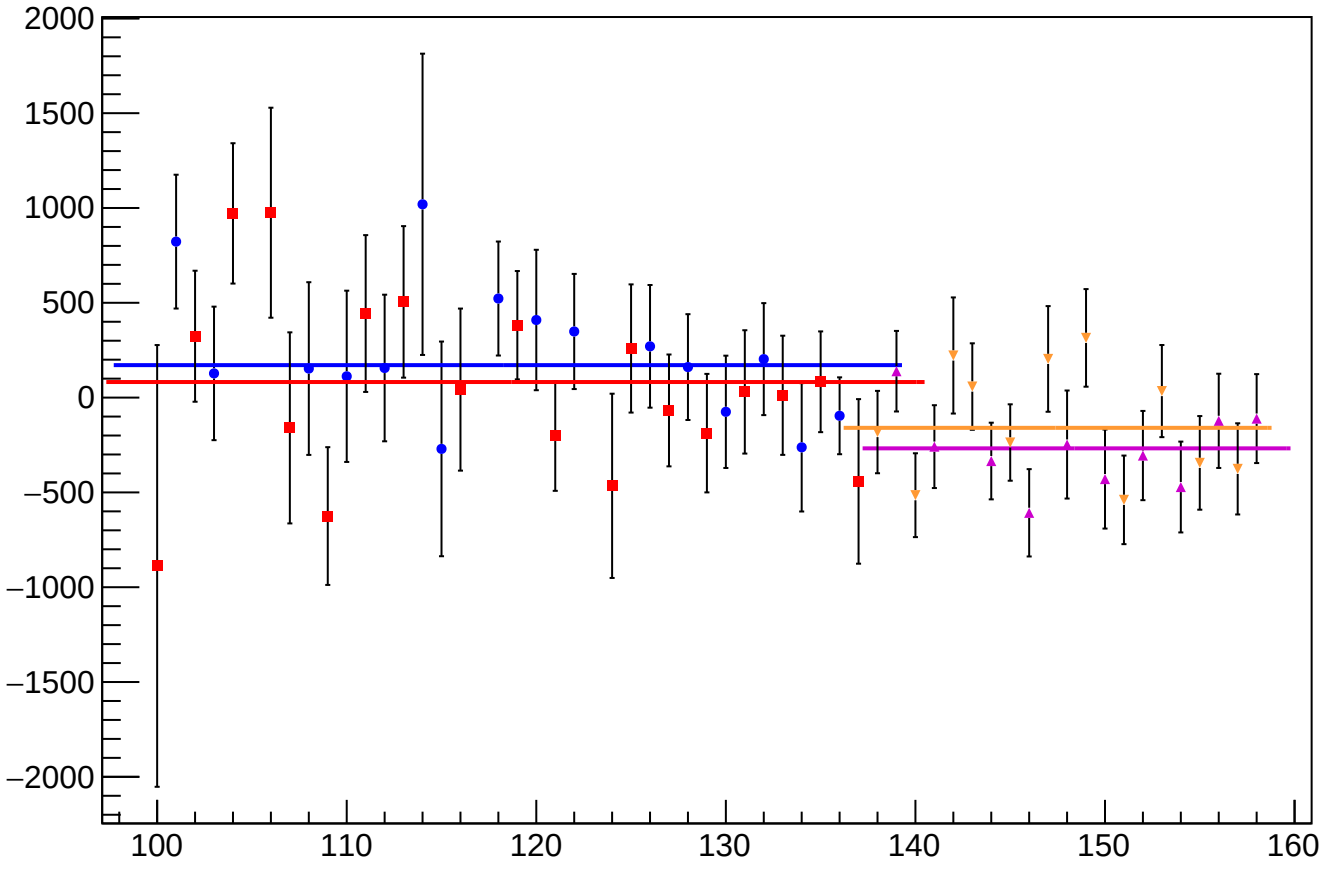
Left: 1617.082+/-0.277 χ^2/NDF: 478646.7/20

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1815.087+/-0.332 χ^2/NDF:1912945.7/25

Out: 1825.819+/-0.334 χ^2/NDF:2267989.7/29

All: 1820.429+/-0.235 χ^2/NDF: 4181455.3/55



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -159.483+/-71.960 χ^2/NDF:15.0/10

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -267.682+/-73.868 χ^2/NDF:7.9/9

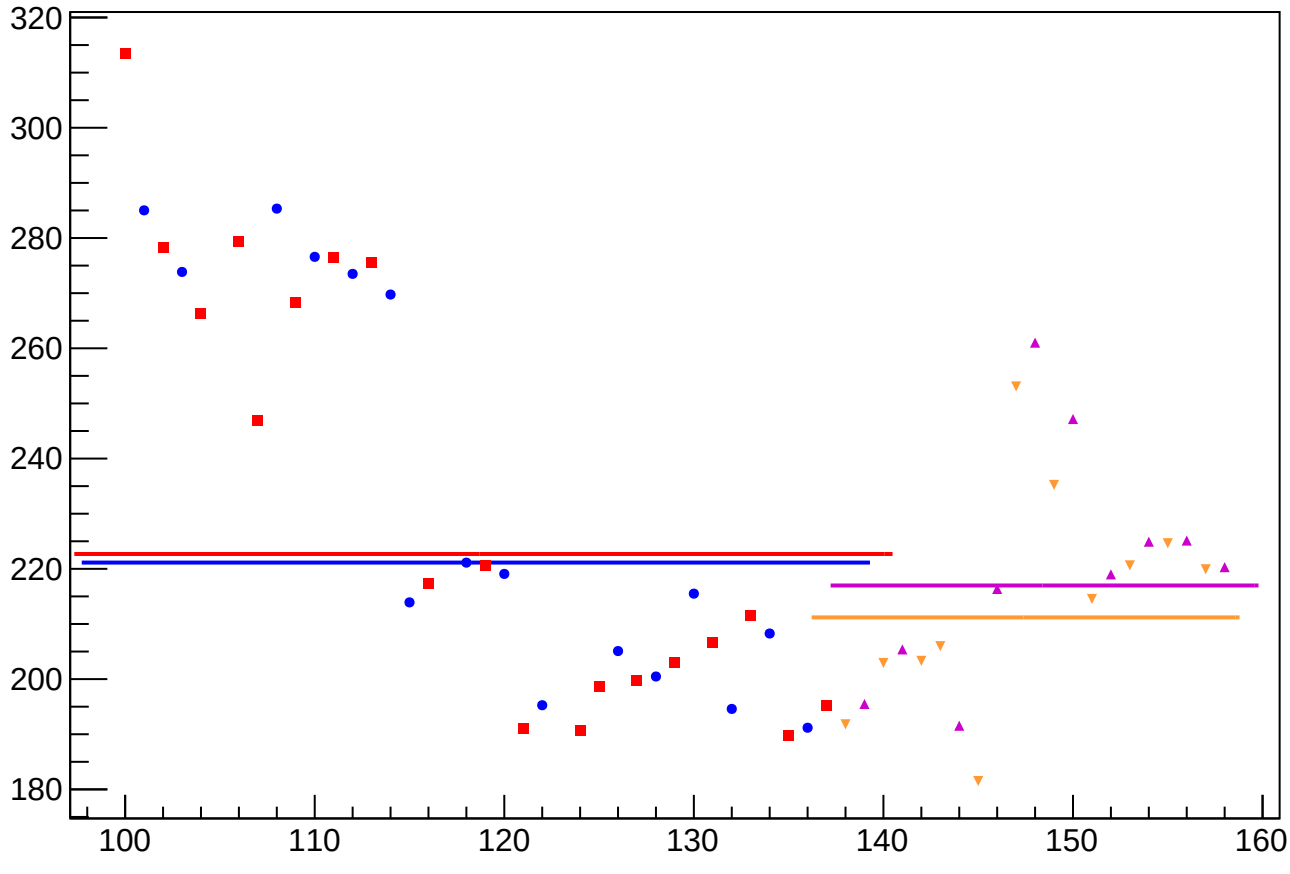
Left: -212.167+/-51.545 χ^2/NDF: 23.9/20

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -73.977+/-55.214 χ^2/NDF:35.0/25

Out: -55.143+/-54.242 χ^2/NDF:41.4/29

All: -64.393+/-38.694 χ^2/NDF: 76.4/55



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 211.192+/-0.051 χ^2/NDF:139123.3/10

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.982+/-0.052 χ^2/NDF:137209.0/9

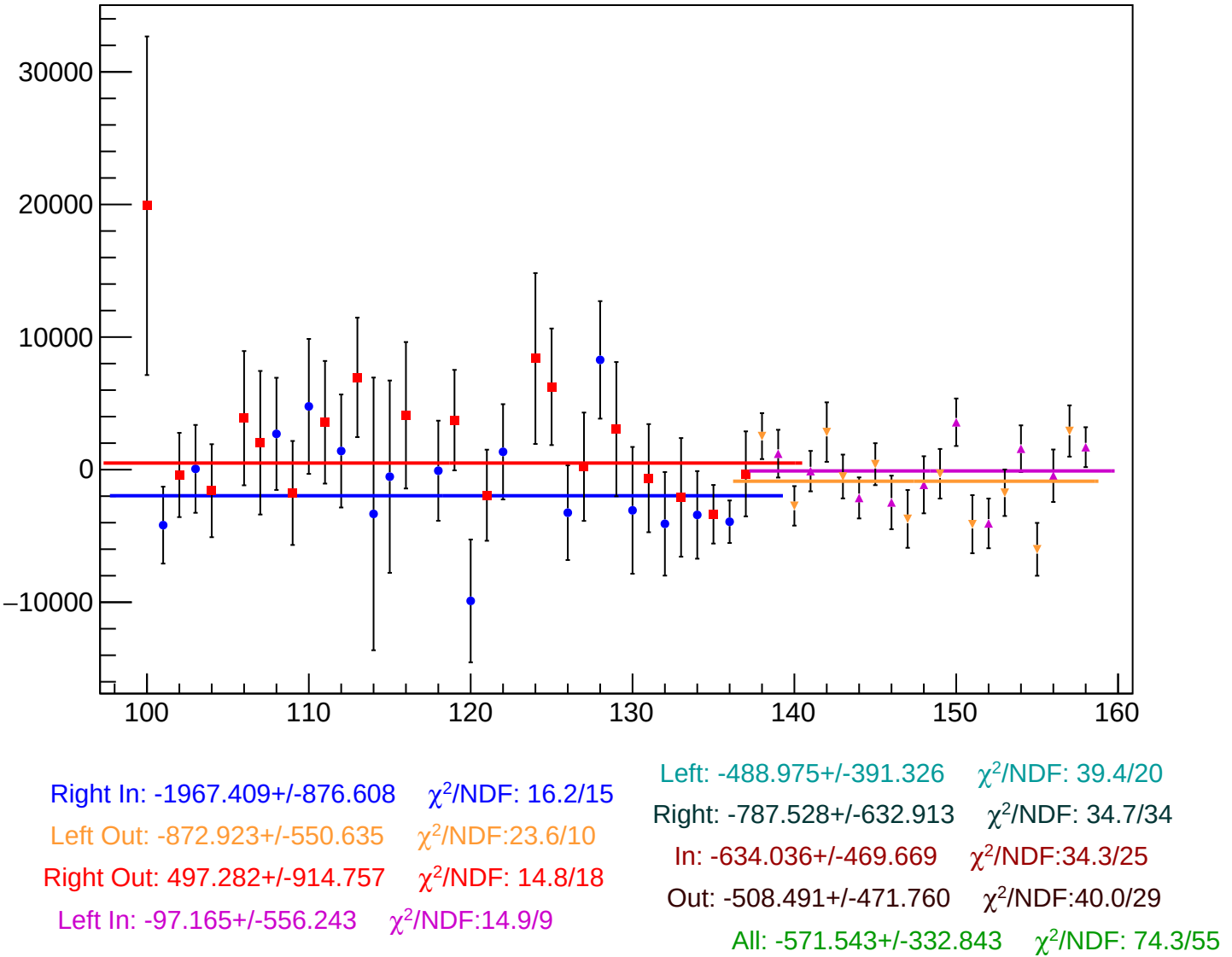
Left: 214.011+/-0.036 χ^2/NDF: 282638.1/20

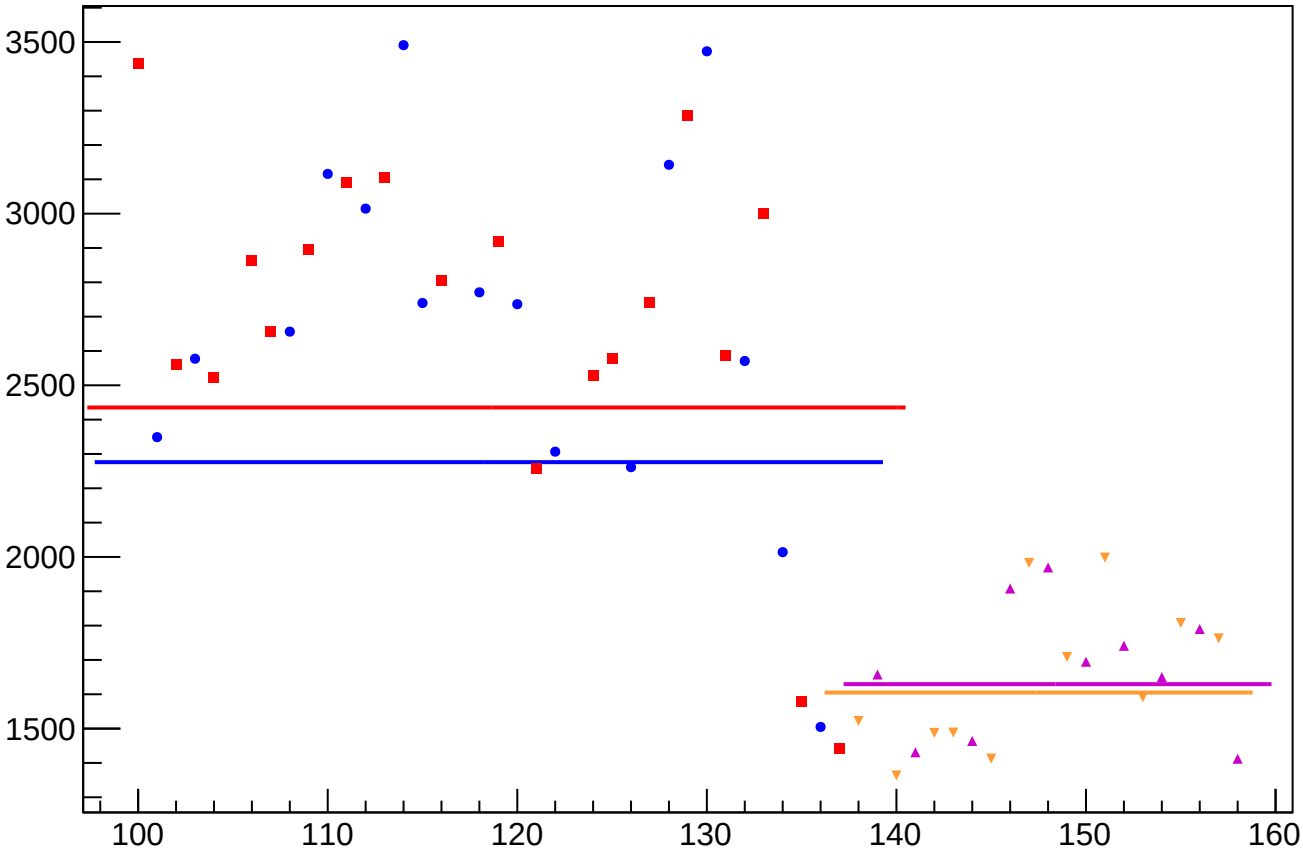
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.816+/-0.039 χ^2/NDF:458699.5/25

Out: 216.159+/-0.038 χ^2/NDF:488223.8/29

All: 217.464+/-0.027 χ^2/NDF: 949279.3/55


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -872.923+/-550.635 χ²/NDF:23.6/10
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: -97.165+/-556.243 χ²/NDF:14.9/9
Left: -488.975+/-391.326 χ²/NDF: 39.4/20
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -634.036+/-469.669 χ²/NDF:34.3/25
Out: -508.491+/-471.760 χ²/NDF:40.0/29
All: -571.543+/-332.843 χ²/NDF: 74.3/55



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1604.961+/-0.389 χ^2/NDF:266717.8/10

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1629.450+/-0.393 χ^2/NDF:209975.6/9

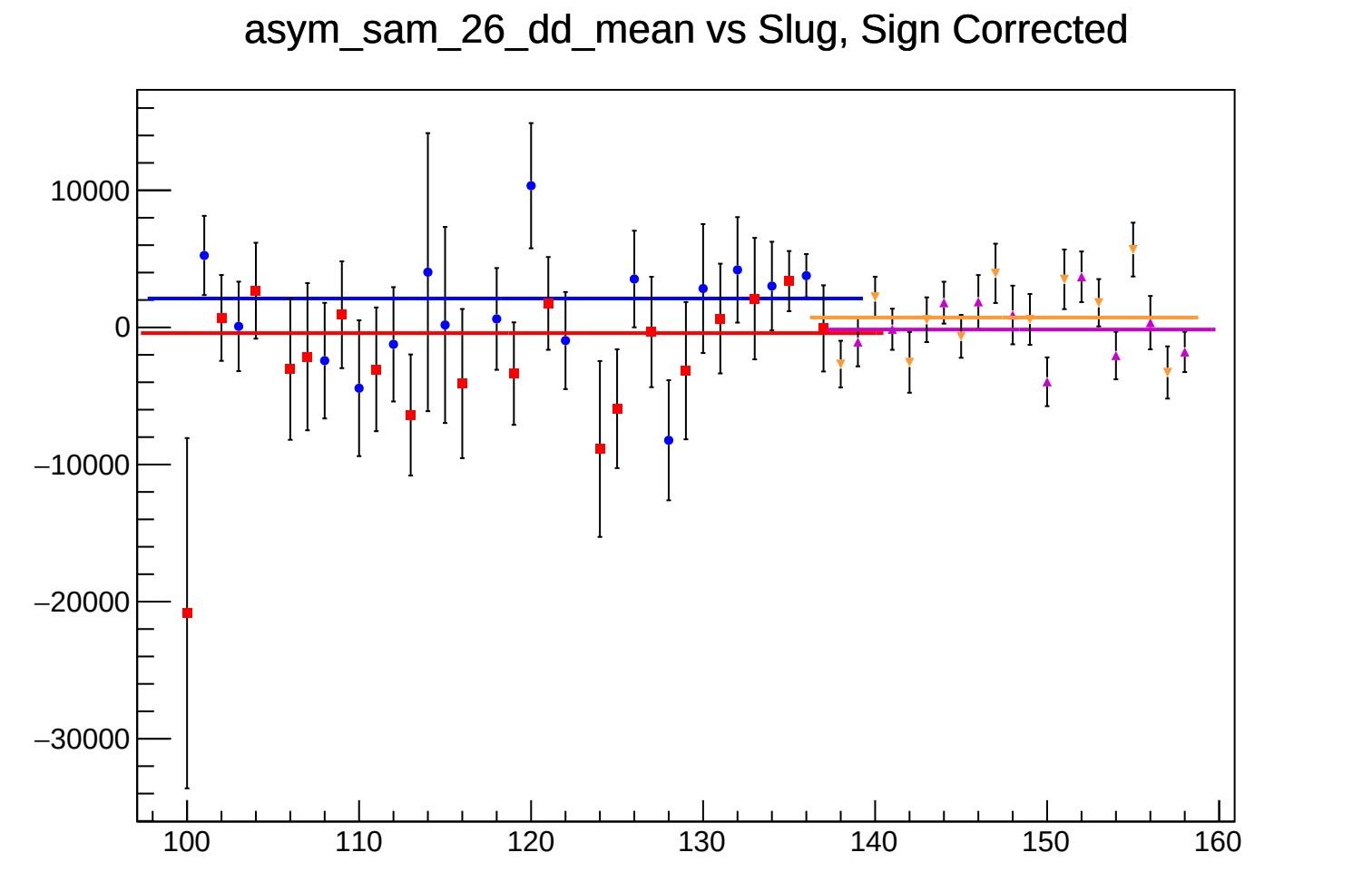
Left: 1617.081+/-0.277 χ^2/NDF: 478651.3/20

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1815.086+/-0.332 χ^2/NDF:1912933.7/25

Out: 1825.819+/-0.334 χ^2/NDF:2267980.3/29

All: 1820.428+/-0.235 χ^2/NDF: 4181433.9/55



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 723.574+/-543.794 χ^2/NDF:23.0/10

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -154.719+/-547.339 χ^2/NDF:14.6/9

Left: 287.281+/-385.768 χ^2/NDF: 39.0/20

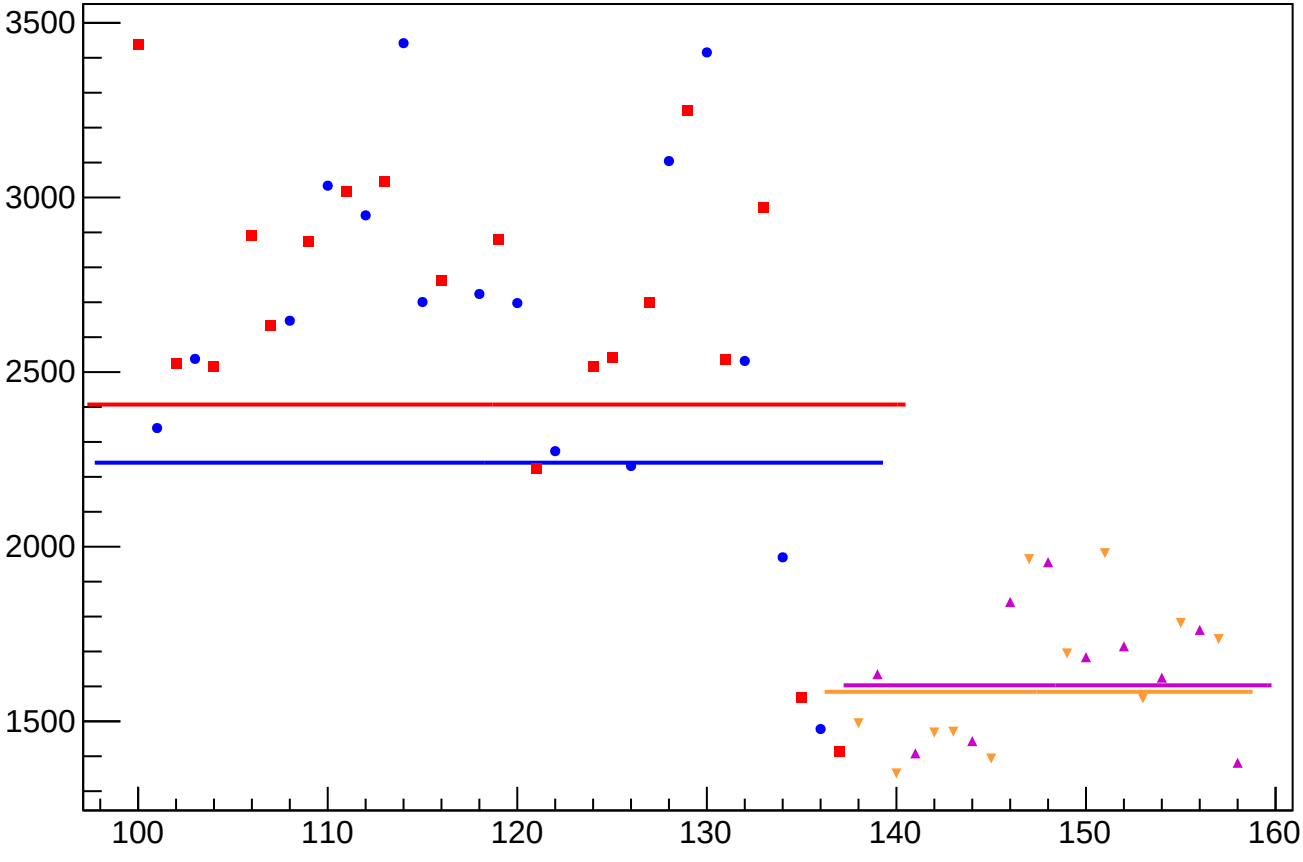
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 494.489+/-462.260 χ^2/NDF:36.2/25

Out: 421.492+/-466.039 χ^2/NDF:38.9/29

All: 458.288+/-328.195 χ^2/NDF: 75.1/55

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1584.531+/-0.385 χ^2/NDF:269556.1/10

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1603.185+/-0.387 χ^2/NDF:211111.9/9

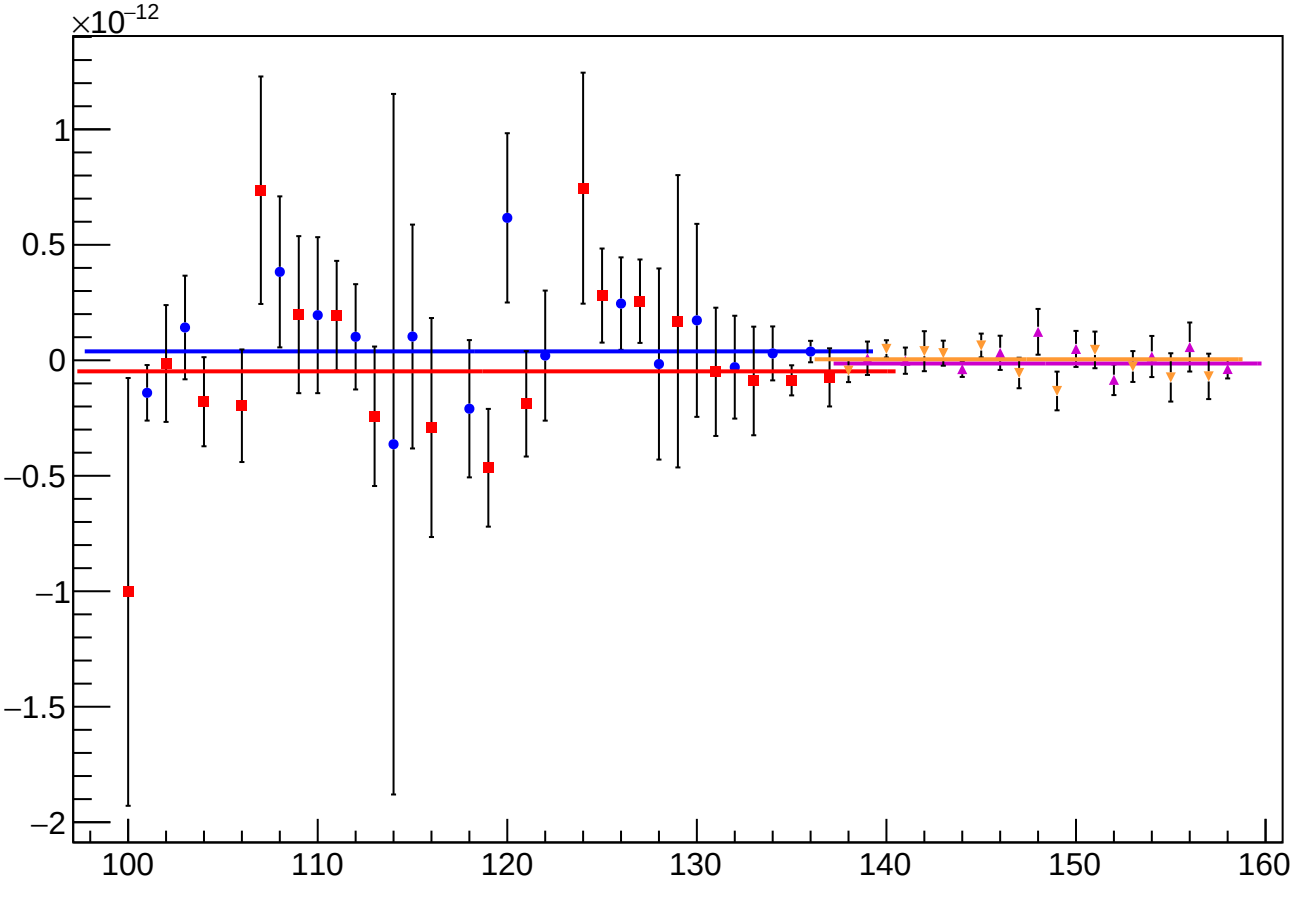
Left: 1593.798+/-0.273 χ^2/NDF: 481837.2/20

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1785.953+/-0.327 χ^2/NDF:1922479.6/25

Out: 1802.952+/-0.330 χ^2/NDF:2273714.0/29

All: 1794.383+/-0.232 χ^2/NDF: 4197535.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

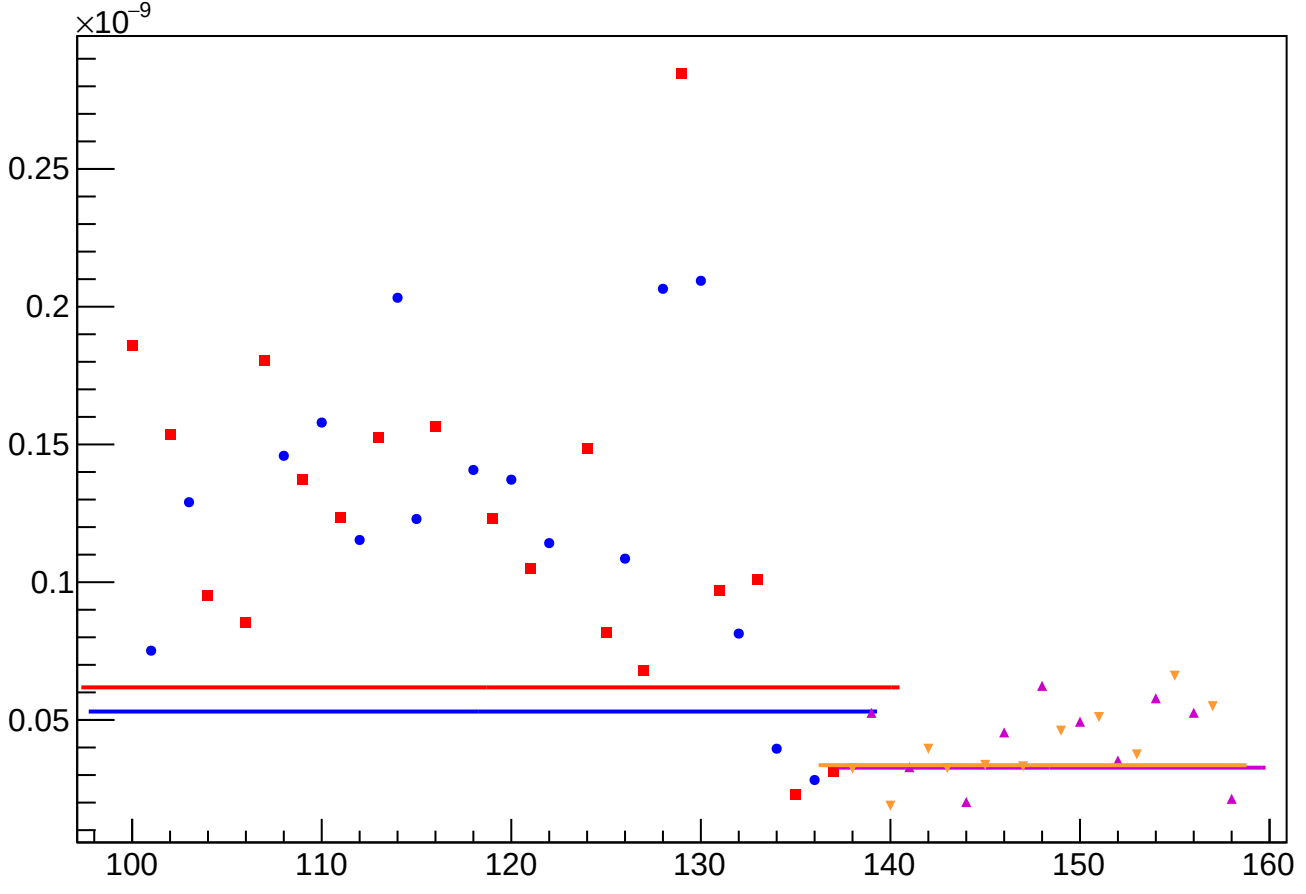
Left: -0.000+/-0.000 χ^2/NDF: 15.4/20

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:15.7/25

Out: -0.000+/-0.000 χ^2/NDF:28.7/29

All: -0.000+/-0.000 χ^2/NDF: 44.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:756379.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1136397.5/9

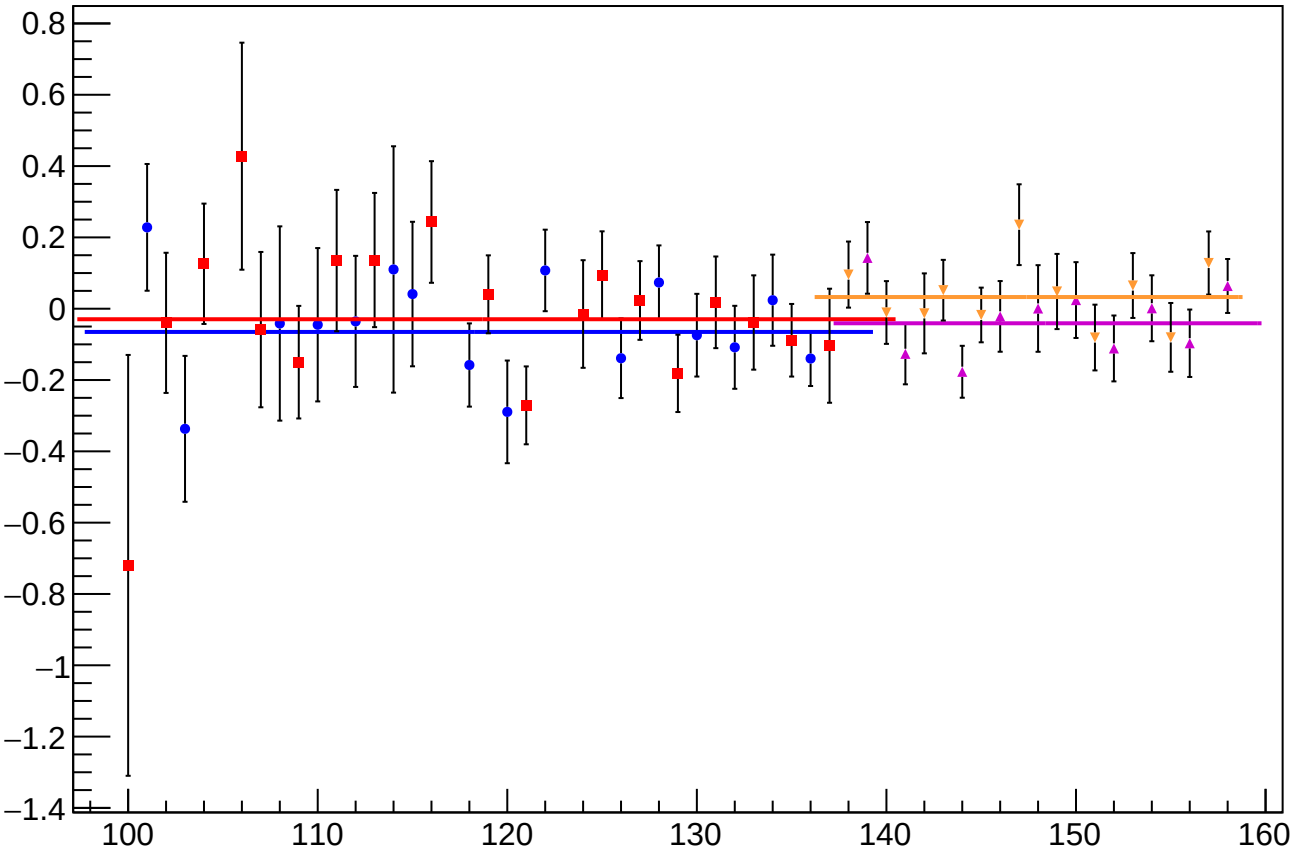
Left: 0.000+/-0.000 χ^2/NDF: 1895145.1/20

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4209537.0/25

Out: 0.000+/-0.000 χ^2/NDF:3890279.7/29

All: 0.000+/-0.000 χ^2/NDF: 8103305.1/55



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.041+/-0.029 χ^2/NDF:11.4/9

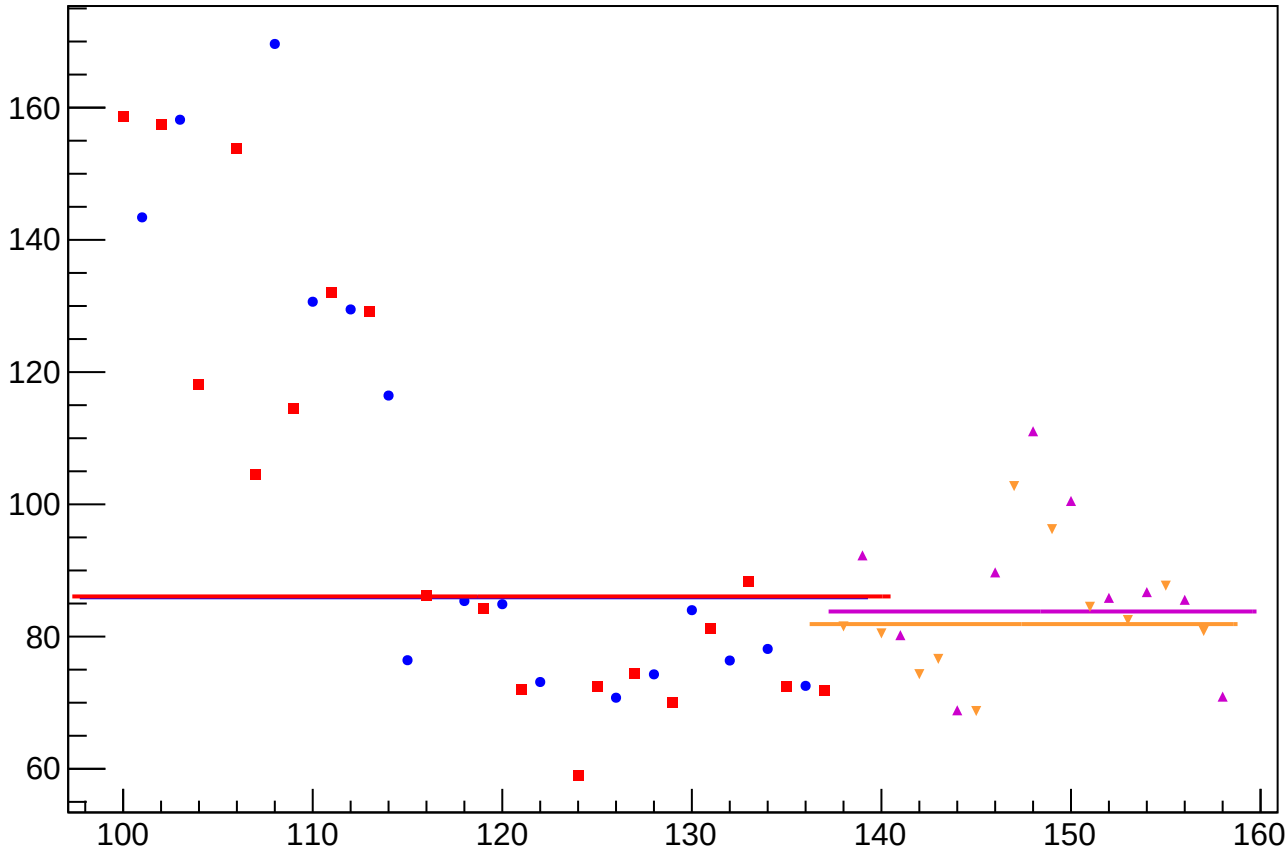
Left: -0.003+/-0.020 χ^2/NDF: 23.5/20

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.051+/-0.022 χ^2/NDF:25.9/25

Out: 0.007+/-0.021 χ^2/NDF:28.9/29

All: -0.022+/-0.015 χ^2/NDF: 58.4/55



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.890+/-0.020 χ^2/NDF:190360.2/10

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.794+/-0.020 χ^2/NDF:320920.7/9

Left: 82.815+/-0.014 χ^2/NDF: 515769.5/20

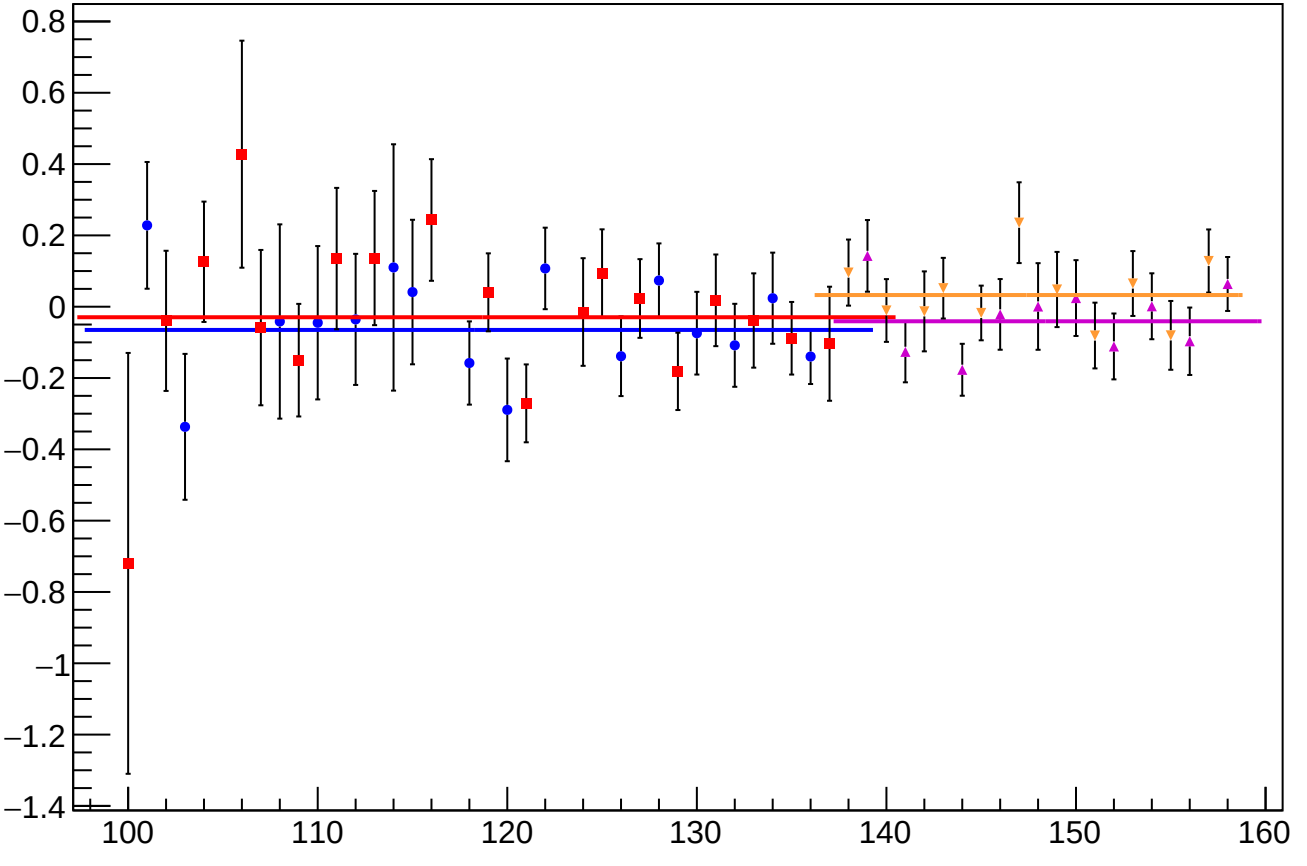
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 84.716+/-0.015 χ^2/NDF:1360695.2/25

Out: 83.644+/-0.015 χ^2/NDF:1200433.4/29

All: 84.168+/-0.011 χ^2/NDF: 2563598.2/55

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.041+/-0.029 χ^2/NDF:11.4/9

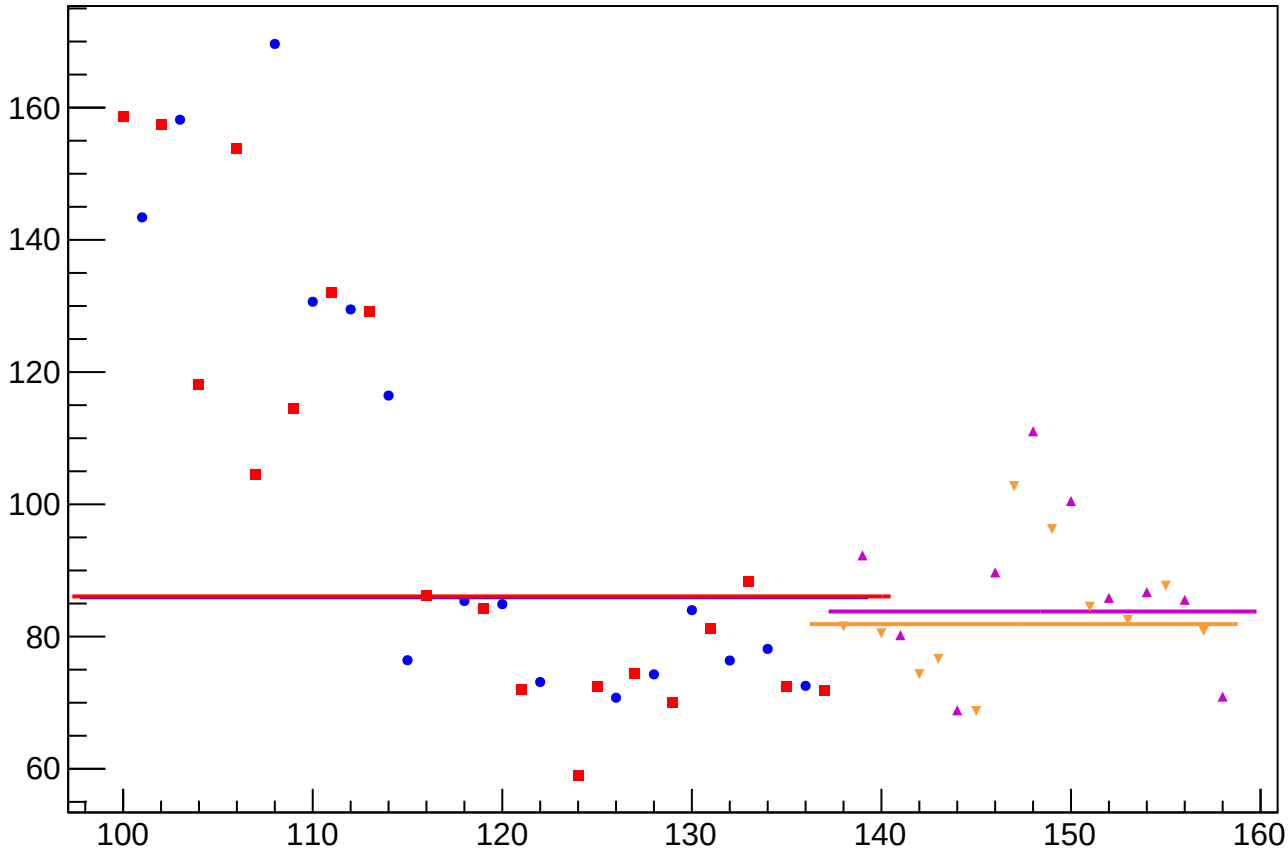
Left: -0.003+/-0.020 χ^2/NDF: 23.5/20

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.051+/-0.022 χ^2/NDF:25.9/25

Out: 0.007+/-0.021 χ^2/NDF:28.9/29

All: -0.022+/-0.015 χ^2/NDF: 58.4/55



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.890+/-0.020 χ^2/NDF:190360.2/10

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.794+/-0.020 χ^2/NDF:320920.7/9

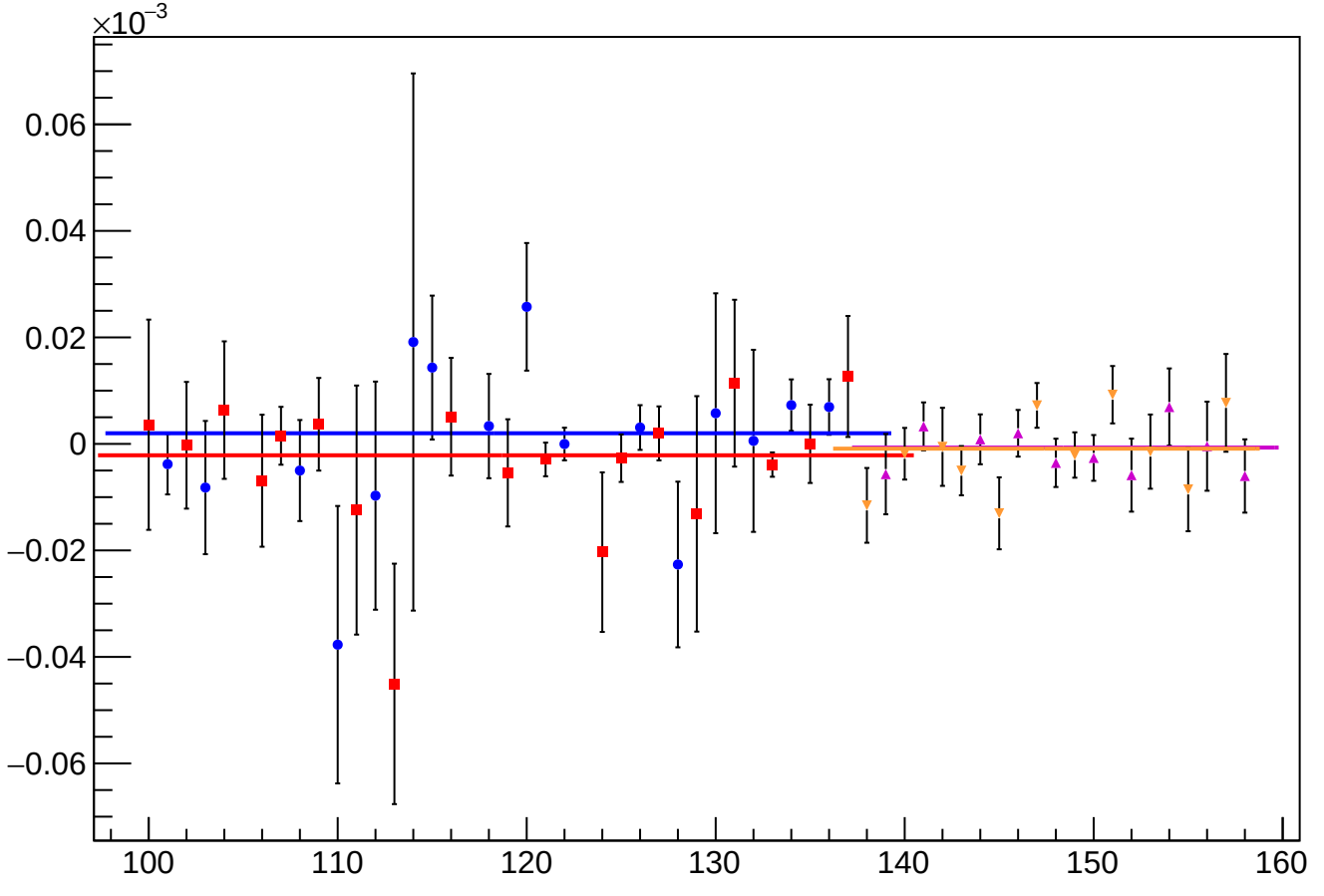
Left: 82.815+/-0.014 χ^2/NDF: 515769.5/20

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 84.716+/-0.015 χ^2/NDF:1360695.2/25

Out: 83.644+/-0.015 χ^2/NDF:1200433.4/29

All: 84.168+/-0.011 χ^2/NDF: 2563598.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/9

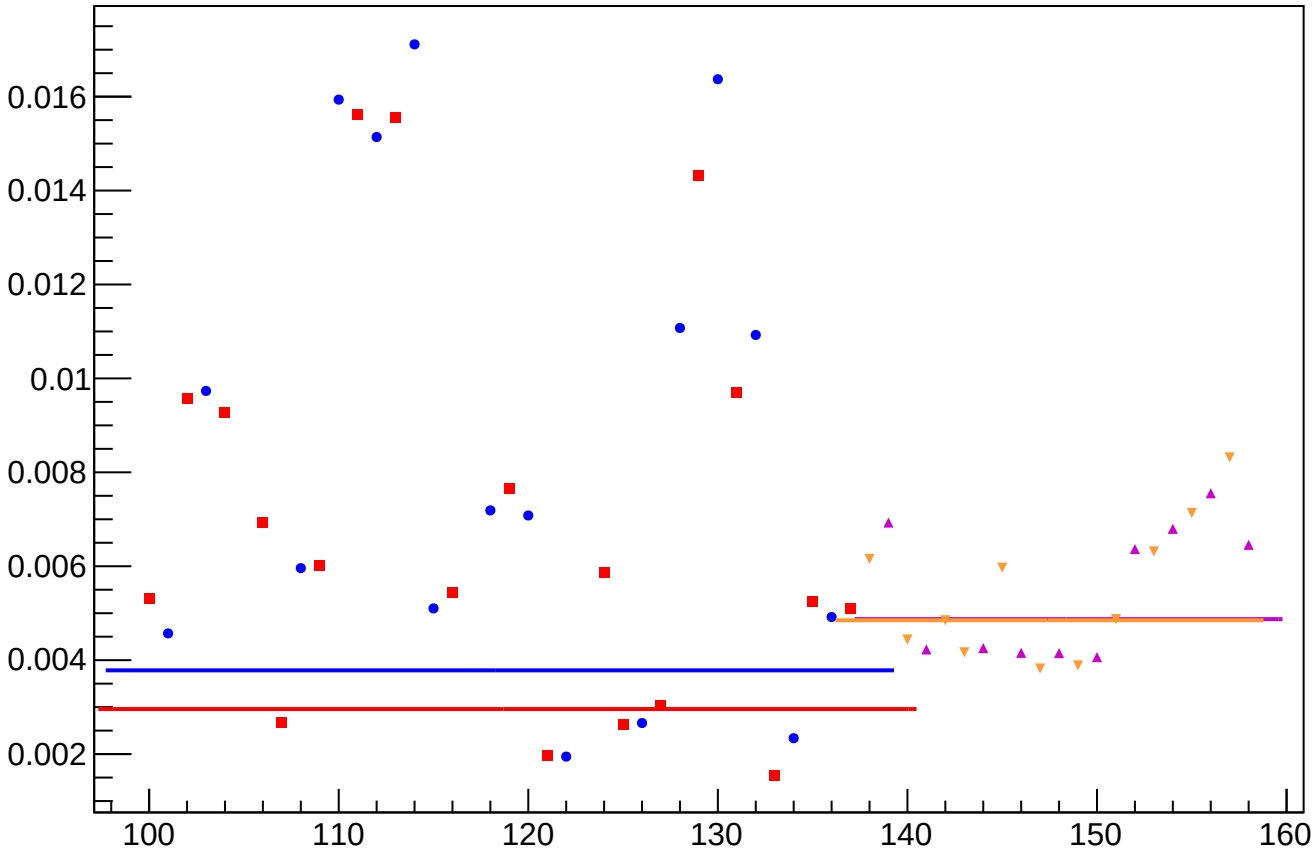
Left: -0.000+/-0.000 χ^2/NDF: 20.1/20

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:20.7/25

Out: -0.000+/-0.000 χ^2/NDF:27.4/29

All: -0.000+/-0.000 χ^2/NDF: 50.0/55



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:946605.8/10

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:946228.2/9

Left: 0.005+/-0.000 χ^2/NDF: 1893058.2/20

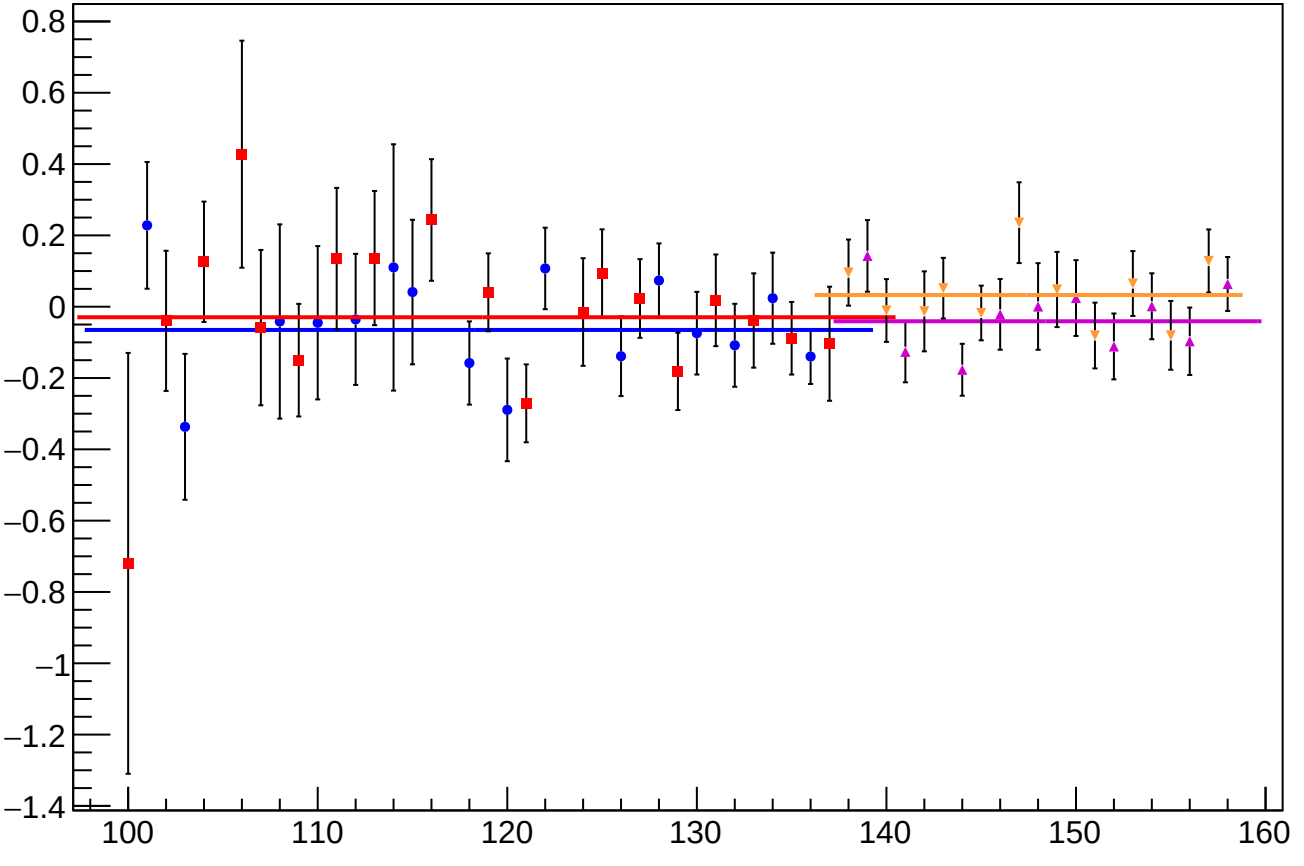
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:6039419.5/25

Out: 0.004+/-0.000 χ^2/NDF:7962685.2/29

All: 0.004+/-0.000 χ^2/NDF: 14289247.6/55

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.041+/-0.029 χ^2/NDF:11.4/9

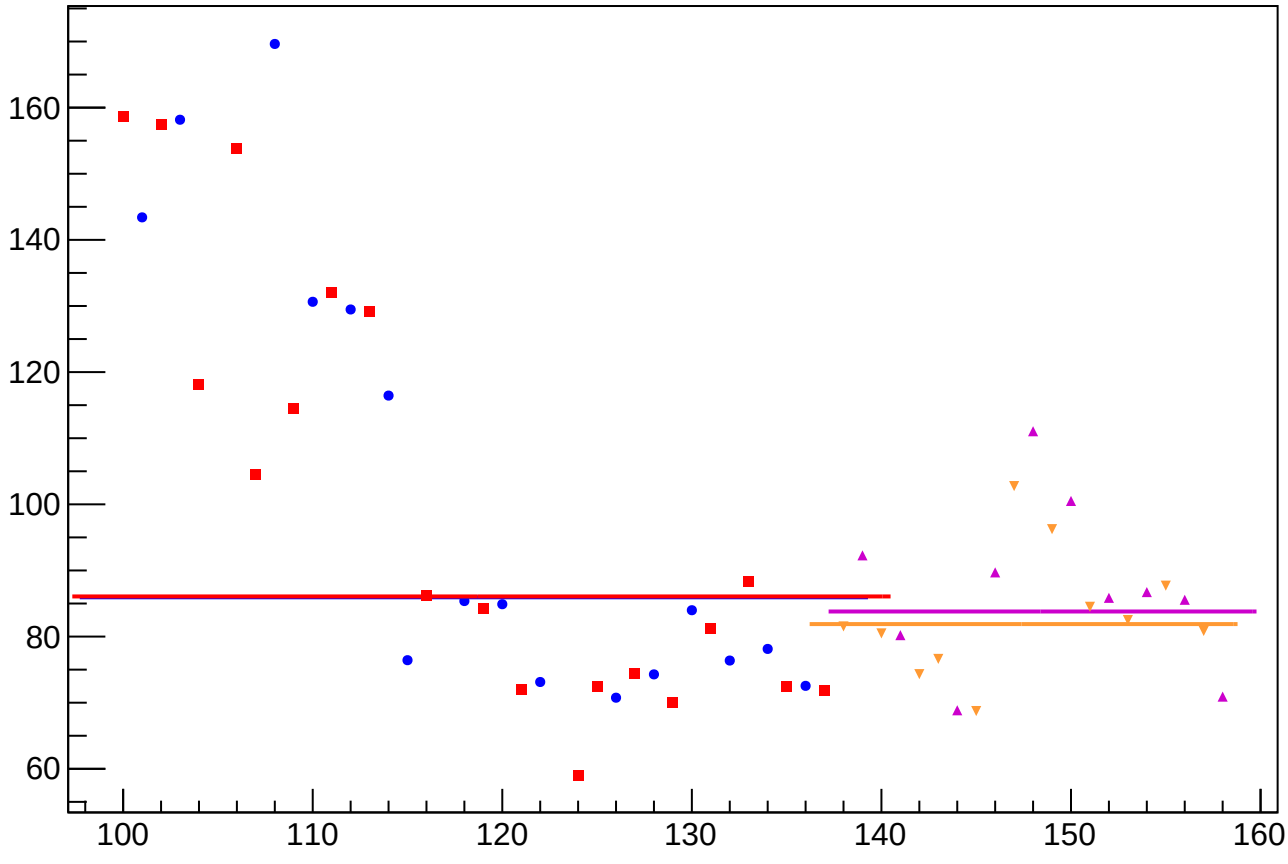
Left: -0.003+/-0.020 χ^2/NDF: 23.5/20

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.051+/-0.022 χ^2/NDF:25.9/25

Out: 0.007+/-0.021 χ^2/NDF:28.9/29

All: -0.022+/-0.015 χ^2/NDF: 58.4/55



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.890+/-0.020 χ^2/NDF:190386.3/10

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.794+/-0.020 χ^2/NDF:320944.8/9

Left: 82.814+/-0.014 χ^2/NDF: 515818.2/20

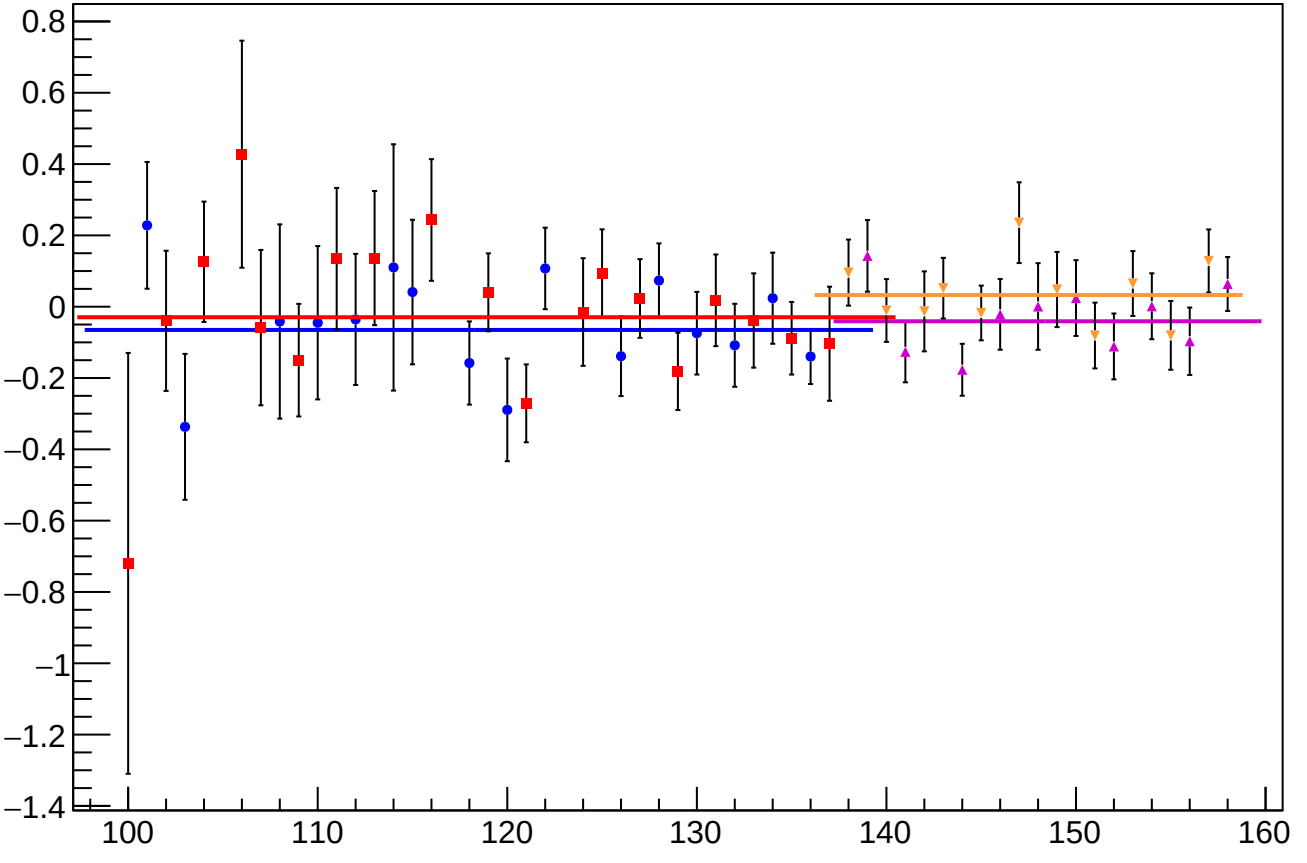
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 84.714+/-0.015 χ^2/NDF:1360693.1/25

Out: 83.643+/-0.015 χ^2/NDF:1200436.9/29

All: 84.167+/-0.011 χ^2/NDF: 2563598.0/55

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: 0.033+/-0.028 χ^2/NDF:8.8/10

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.041+/-0.029 χ^2/NDF:11.4/9

Left: -0.003+/-0.020 χ^2/NDF: 23.5/20

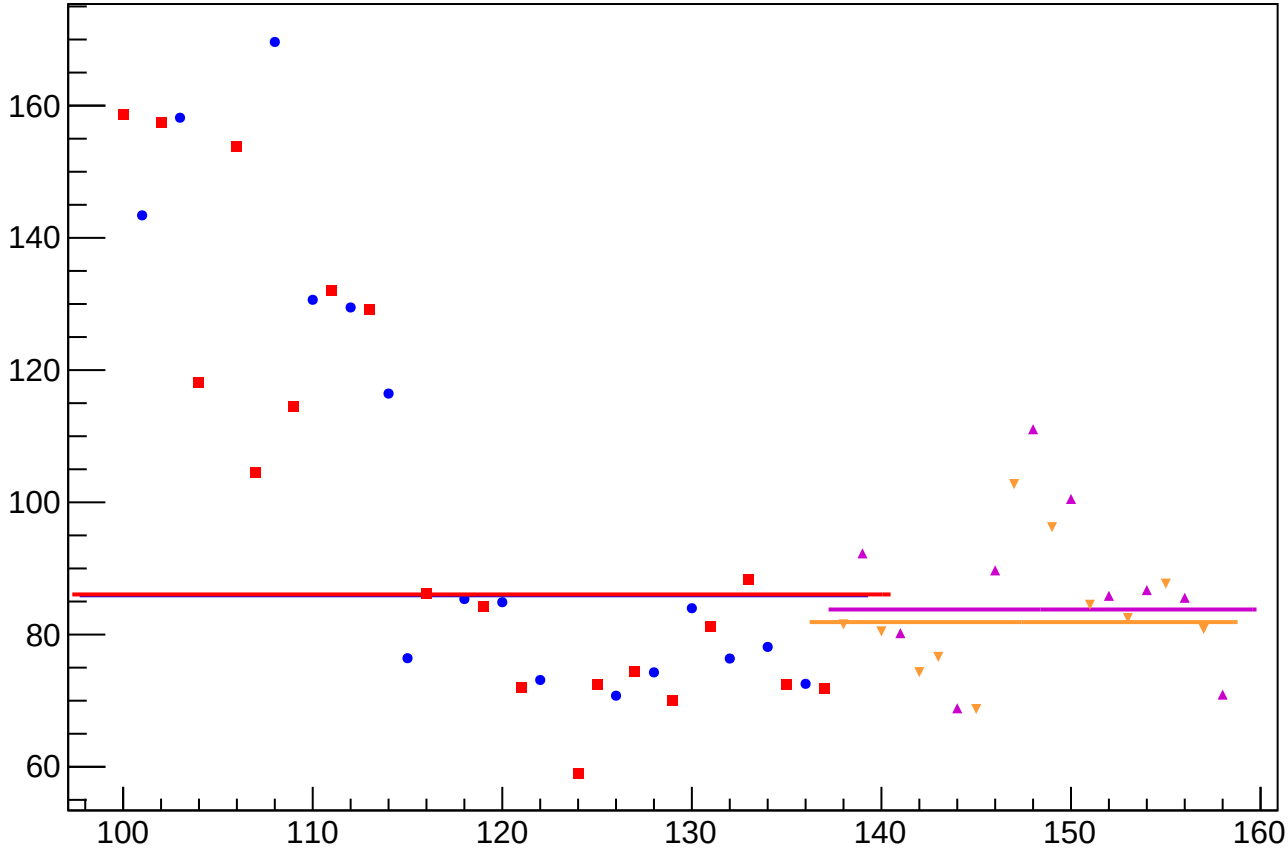
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.051+/-0.022 χ^2/NDF:25.9/25

Out: 0.007+/-0.021 χ^2/NDF:28.9/29

All: -0.022+/-0.015 χ^2/NDF: 58.4/55

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: 81.890+/-0.020 χ^2/NDF:190386.3/10

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.794+/-0.020 χ^2/NDF:320944.8/9

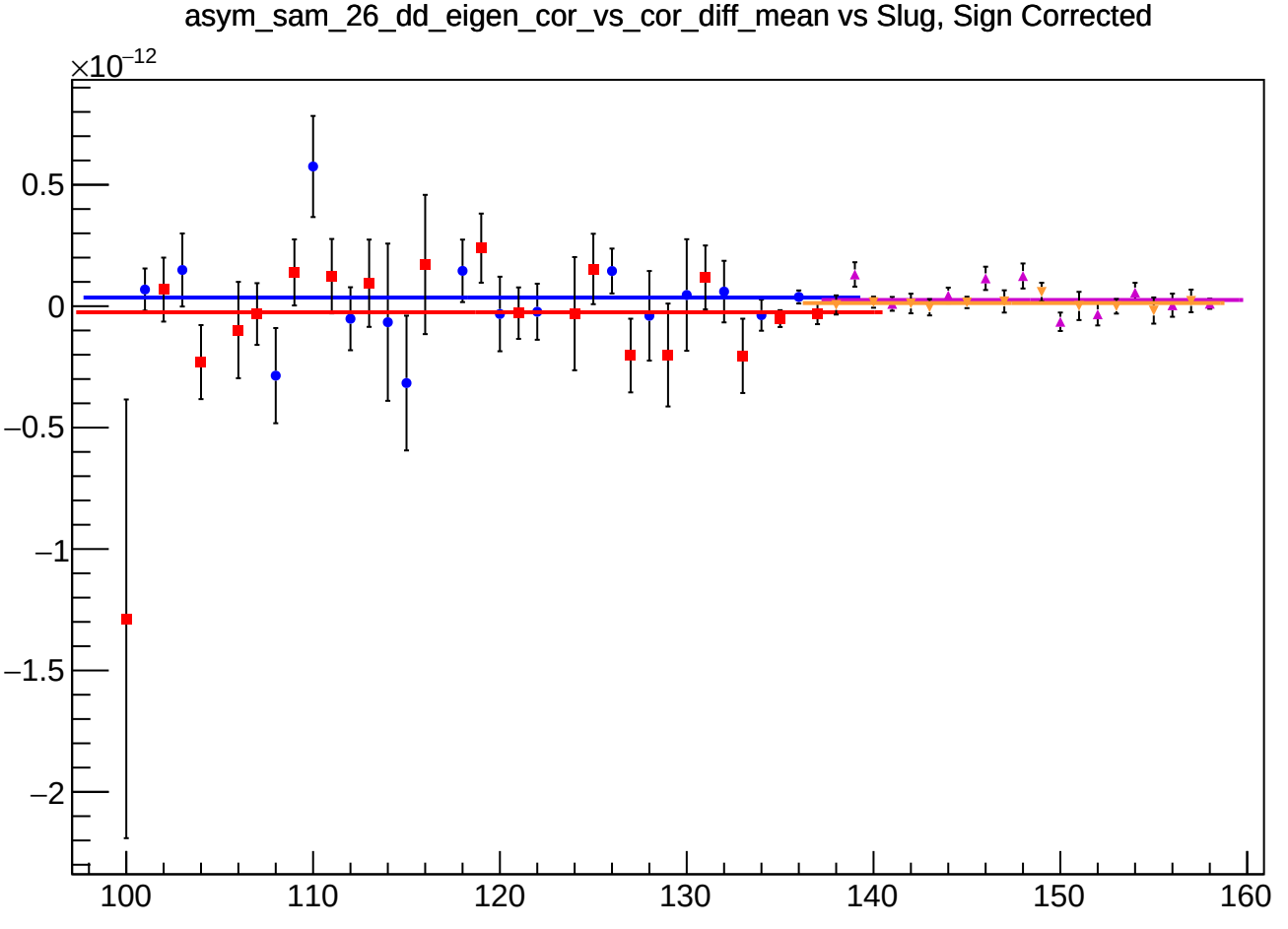
Left: 82.814+/-0.014 χ^2/NDF: 515818.2/20

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 84.714+/-0.015 χ^2/NDF:1360693.1/25

Out: 83.643+/-0.015 χ^2/NDF:1200436.9/29

All: 84.167+/-0.011 χ^2/NDF: 2563598.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:20.7/9

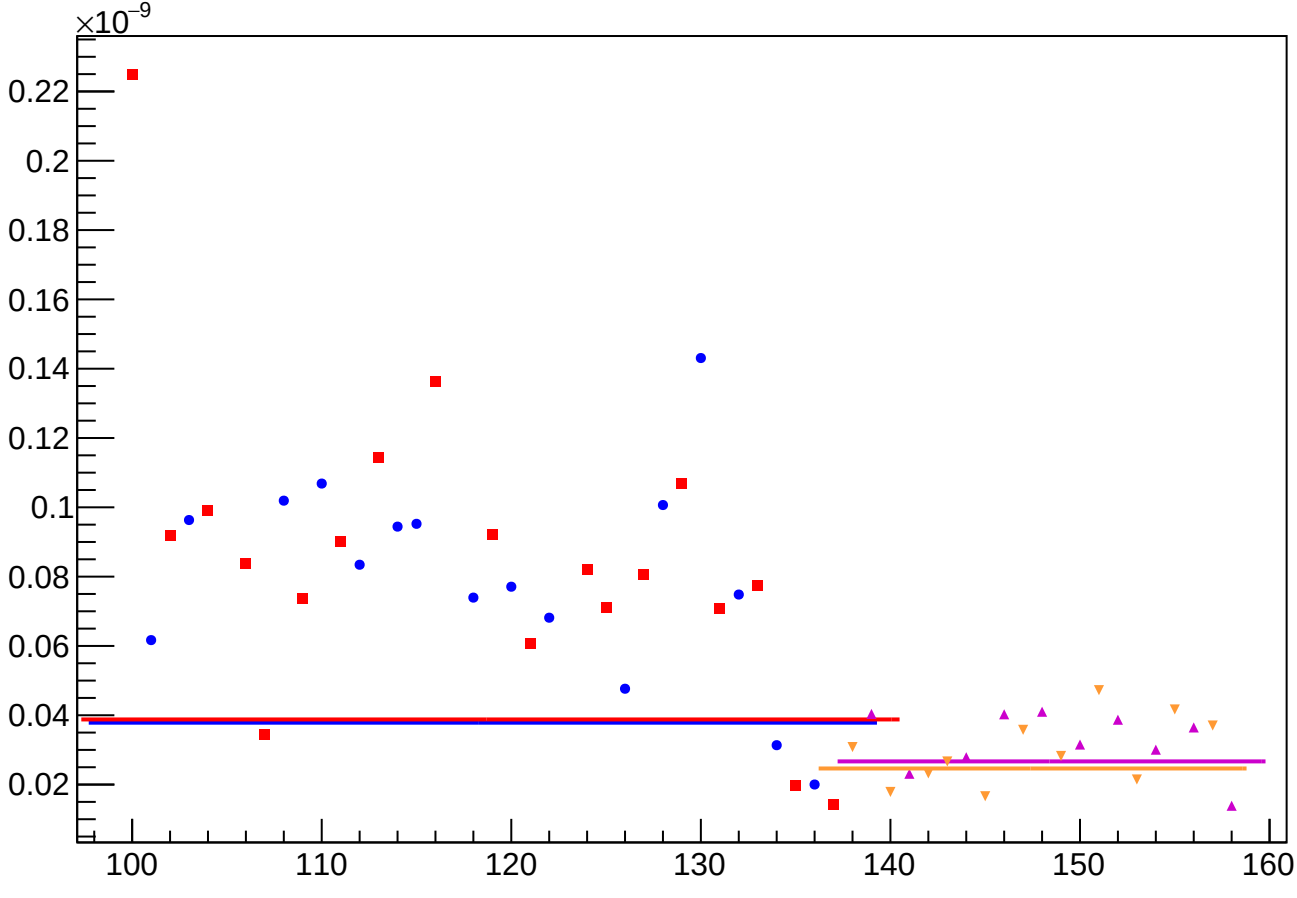
Left: 0.000+/-0.000 χ^2/NDF: 23.7/20

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:37.2/25

Out: 0.000+/-0.000 χ^2/NDF:22.7/29

All: 0.000+/-0.000 χ^2/NDF: 62.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1271219.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1507947.9/9

Left: 0.000+/-0.000 χ^2/NDF: 2814715.7/20

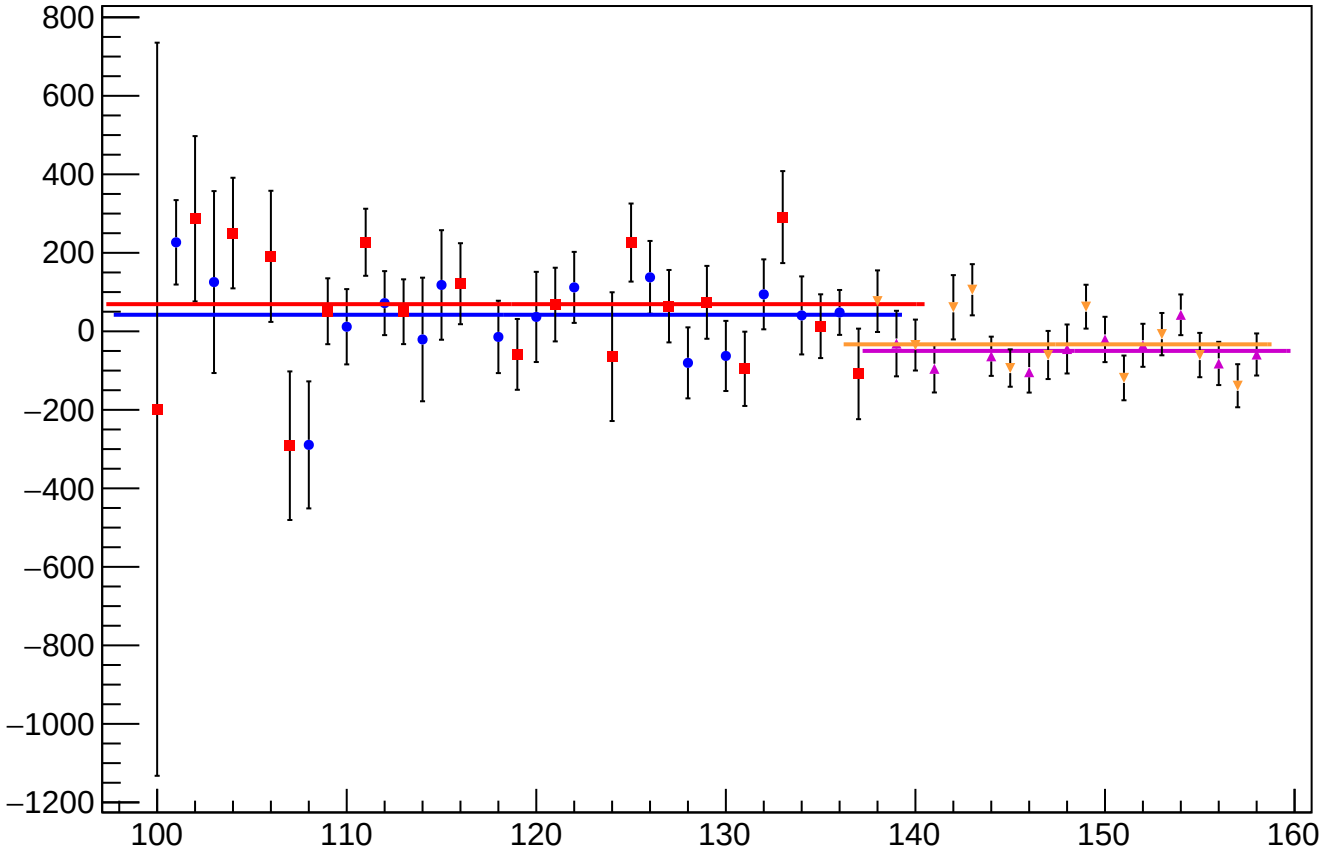
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:5416483.7/25

Out: 0.000+/-0.000 χ^2/NDF:6060043.0/29

All: 0.000+/-0.000 χ^2/NDF: 11522225.2/55

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -33.105+/-17.931 χ^2/NDF:19.0/10

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -49.843+/-17.883 χ^2/NDF:5.6/9

Left: -41.497+/-12.662 χ^2/NDF: 25.1/20

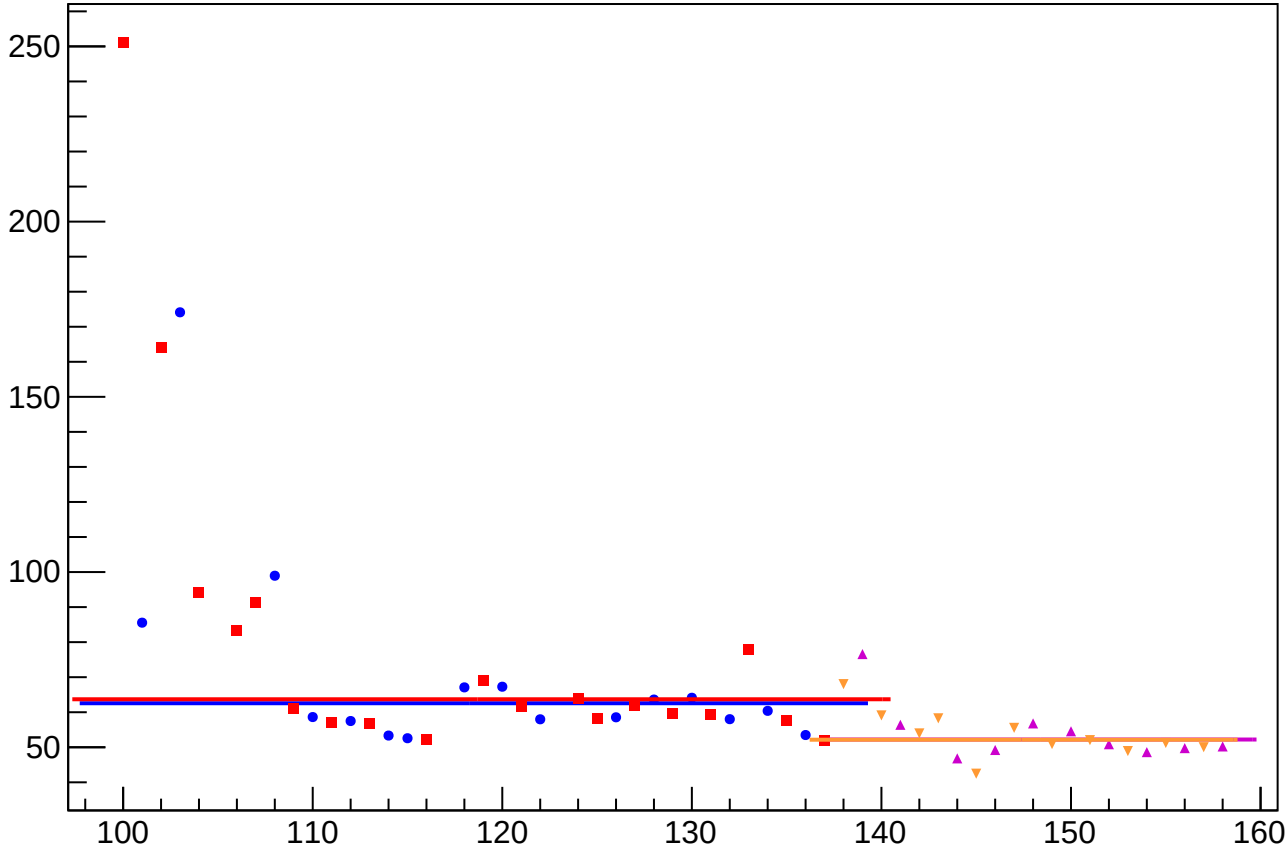
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -17.339+/-14.384 χ^2/NDF:28.5/25

Out: 2.752+/-14.453 χ^2/NDF:55.8/29

All: -7.342+/-10.195 χ^2/NDF: 85.3/55

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.156+/-0.013 χ^2/NDF:223936.0/10

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

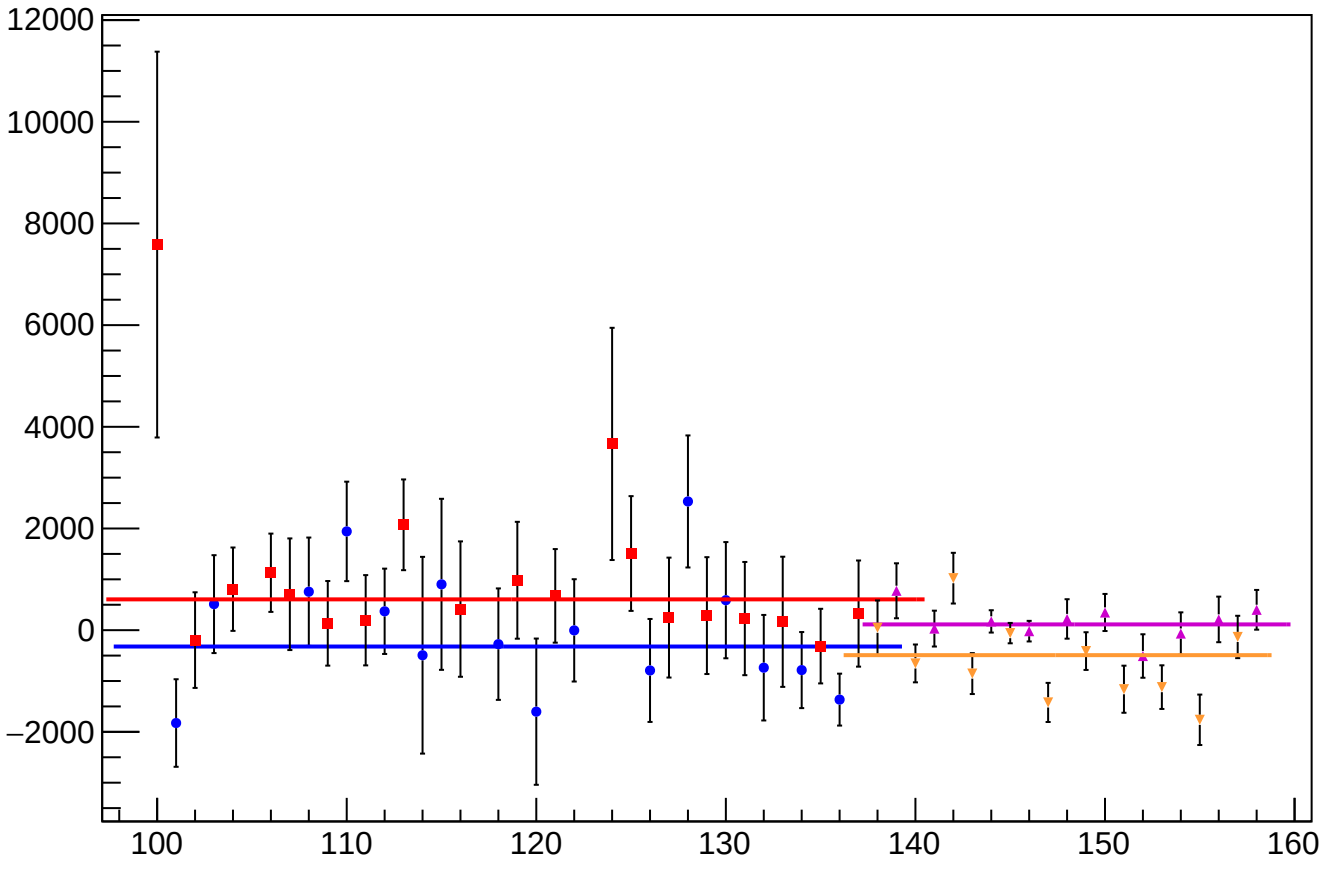
Left: 52.184+/-0.009 χ^2/NDF: 465635.0/20

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 55.868+/-0.010 χ^2/NDF:1236956.8/25

Out: 56.200+/-0.010 χ^2/NDF:1348489.9/29

All: 56.033+/-0.007 χ^2/NDF: 2585976.7/55



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -491.416+/-111.985 χ^2/NDF:33.3/10

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 113.406+/-103.435 χ^2/NDF:5.4/9

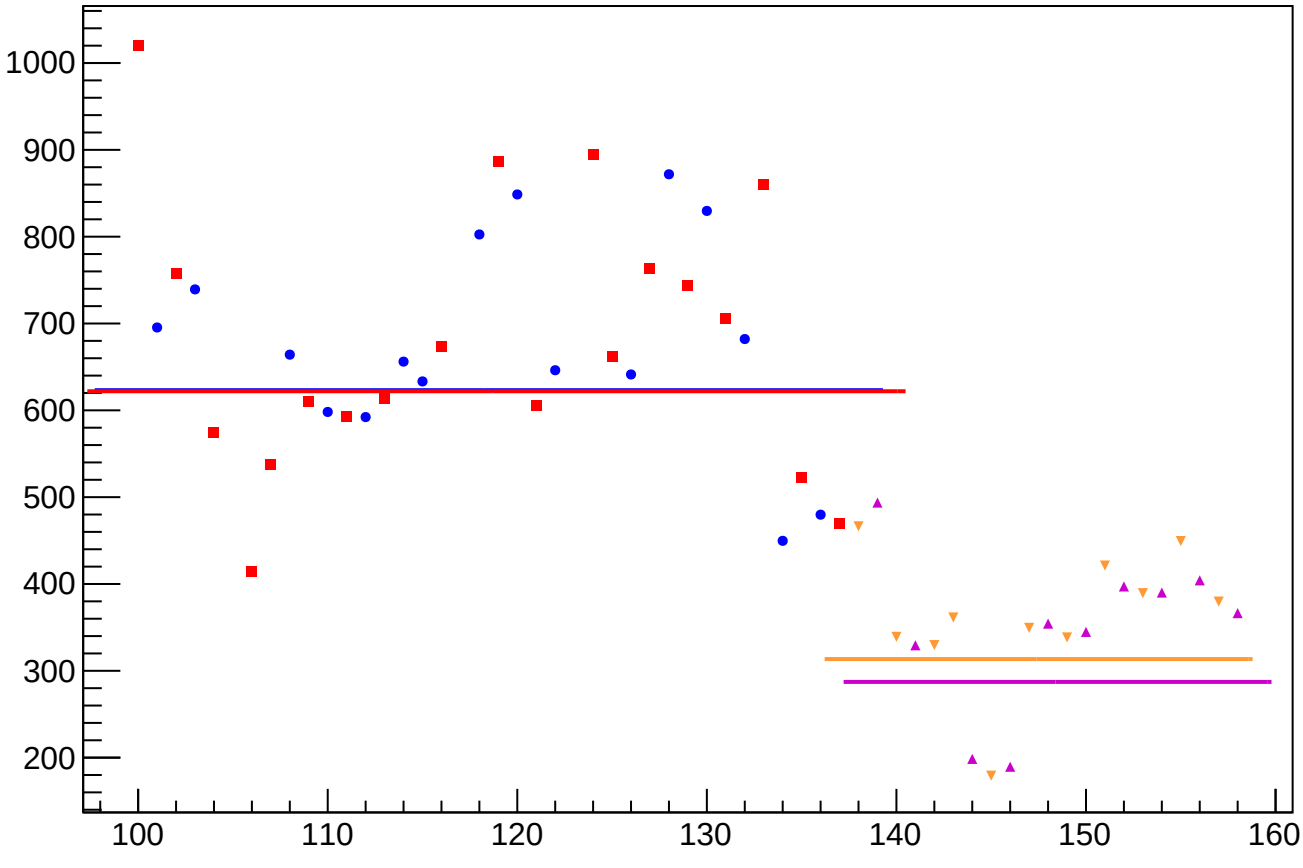
Left: -165.037+/-75.983 χ^2/NDF: 54.5/20

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 44.521+/-94.894 χ^2/NDF:30.9/25

Out: -286.432+/-100.985 χ^2/NDF:63.8/29

All: -110.674+/-69.153 χ^2/NDF: 100.4/55



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 313.529+/-0.079 χ^2/NDF:1498488.7/10

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 287.218+/-0.073 χ^2/NDF:1693529.3/9

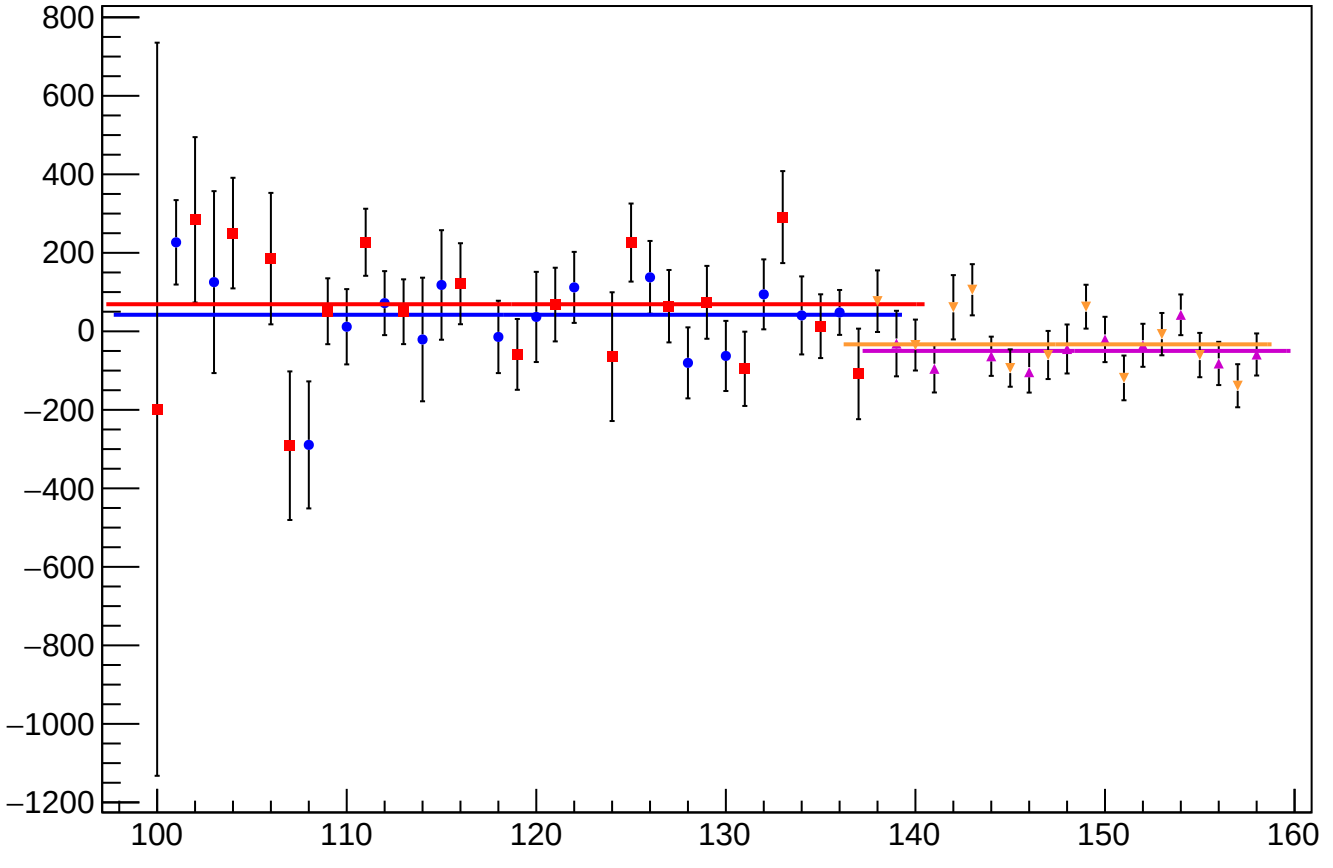
Left: 299.331+/-0.054 χ^2/NDF: 3251597.1/20

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 340.411+/-0.067 χ^2/NDF:5599801.5/25

Out: 371.150+/-0.071 χ^2/NDF:4915554.7/29

All: 354.826+/-0.049 χ^2/NDF: 10613773.6/55



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -33.103+/-17.931 χ^2/NDF:19.0/10

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -49.841+/-17.883 χ^2/NDF:5.6/9

Left: -41.495+/-12.662 χ^2/NDF: 25.1/20

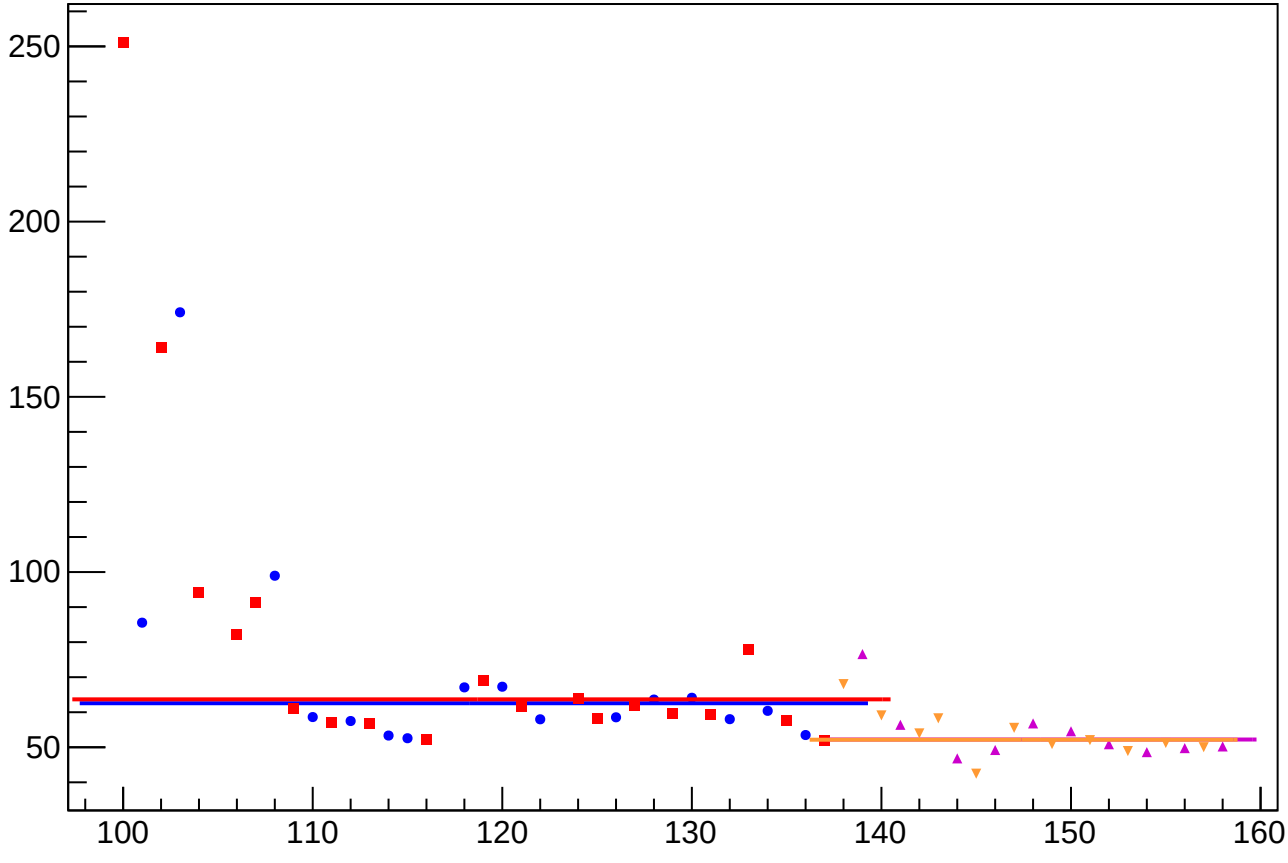
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -17.340+/-14.384 χ^2/NDF:28.5/25

Out: 2.687+/-14.453 χ^2/NDF:55.7/29

All: -7.375+/-10.195 χ^2/NDF: 85.2/55

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.156+/-0.013 χ^2/NDF:223936.0/10

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

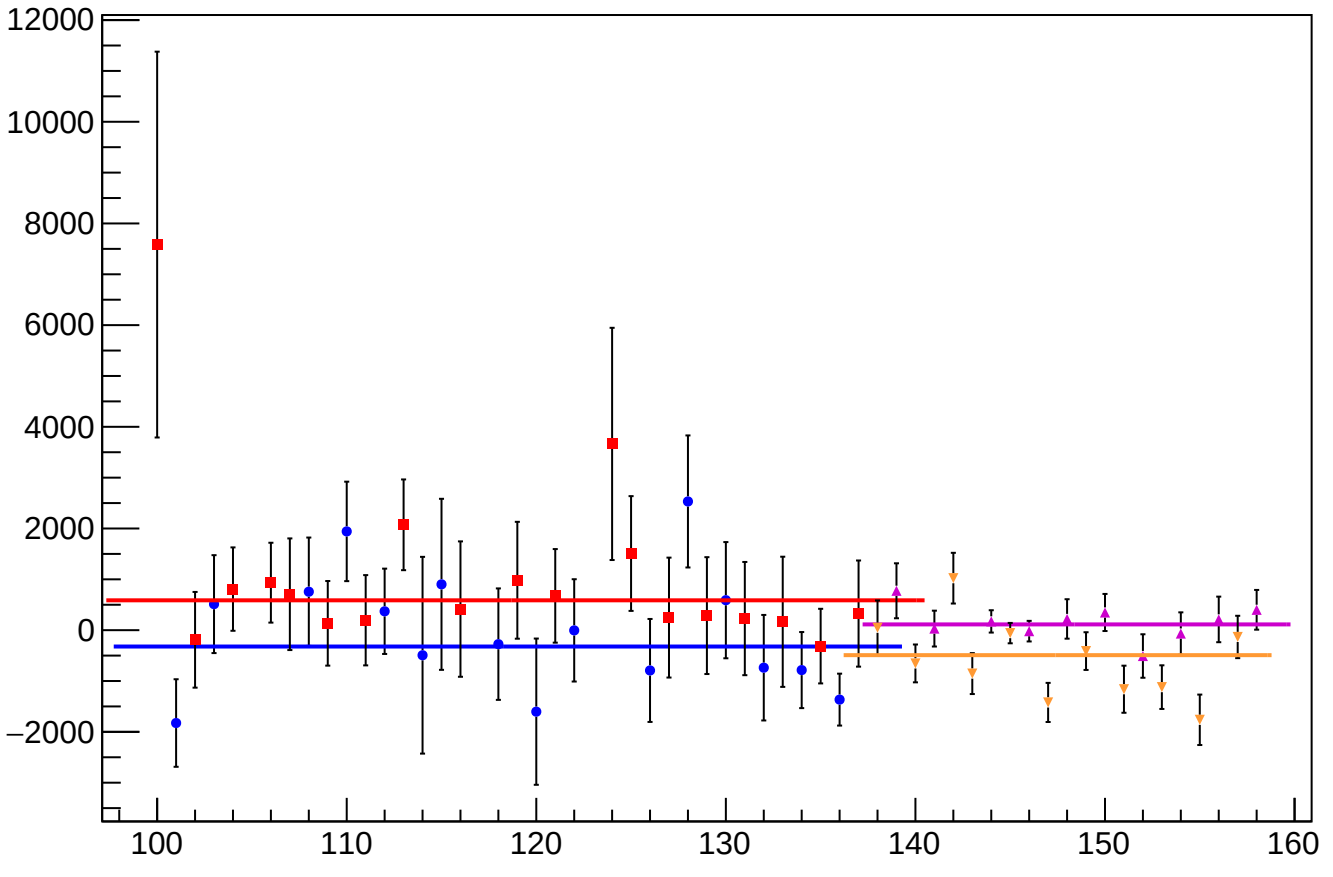
Left: 52.184+/-0.009 χ^2/NDF: 465635.0/20

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.868+/-0.010 χ^2/NDF:1236958.7/25

Out: 56.191+/-0.010 χ^2/NDF:1344506.2/29

All: 56.029+/-0.007 χ^2/NDF: 2581967.3/55



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -491.413+/-111.985 χ^2/NDF:33.3/10

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 113.409+/-103.435 χ^2/NDF:5.4/9

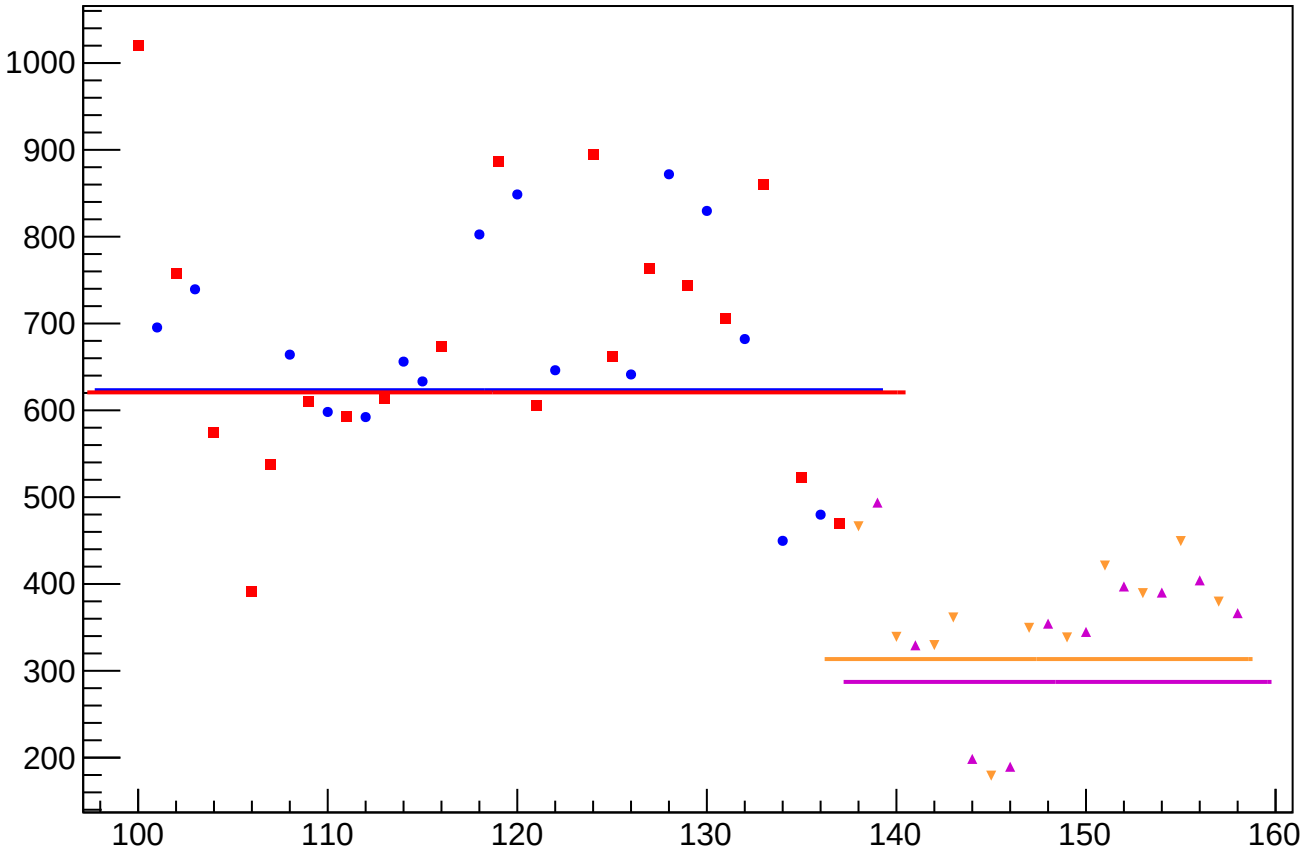
Left: -165.033+/-75.982 χ^2/NDF: 54.5/20

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 44.526+/-94.894 χ^2/NDF:30.9/25

Out: -290.522+/-101.020 χ^2/NDF:62.8/29

All: -112.532+/-69.164 χ^2/NDF: 99.6/55



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 313.529+/-0.079 χ^2/NDF:1498494.9/10

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 287.217+/-0.073 χ^2/NDF:1693535.3/9

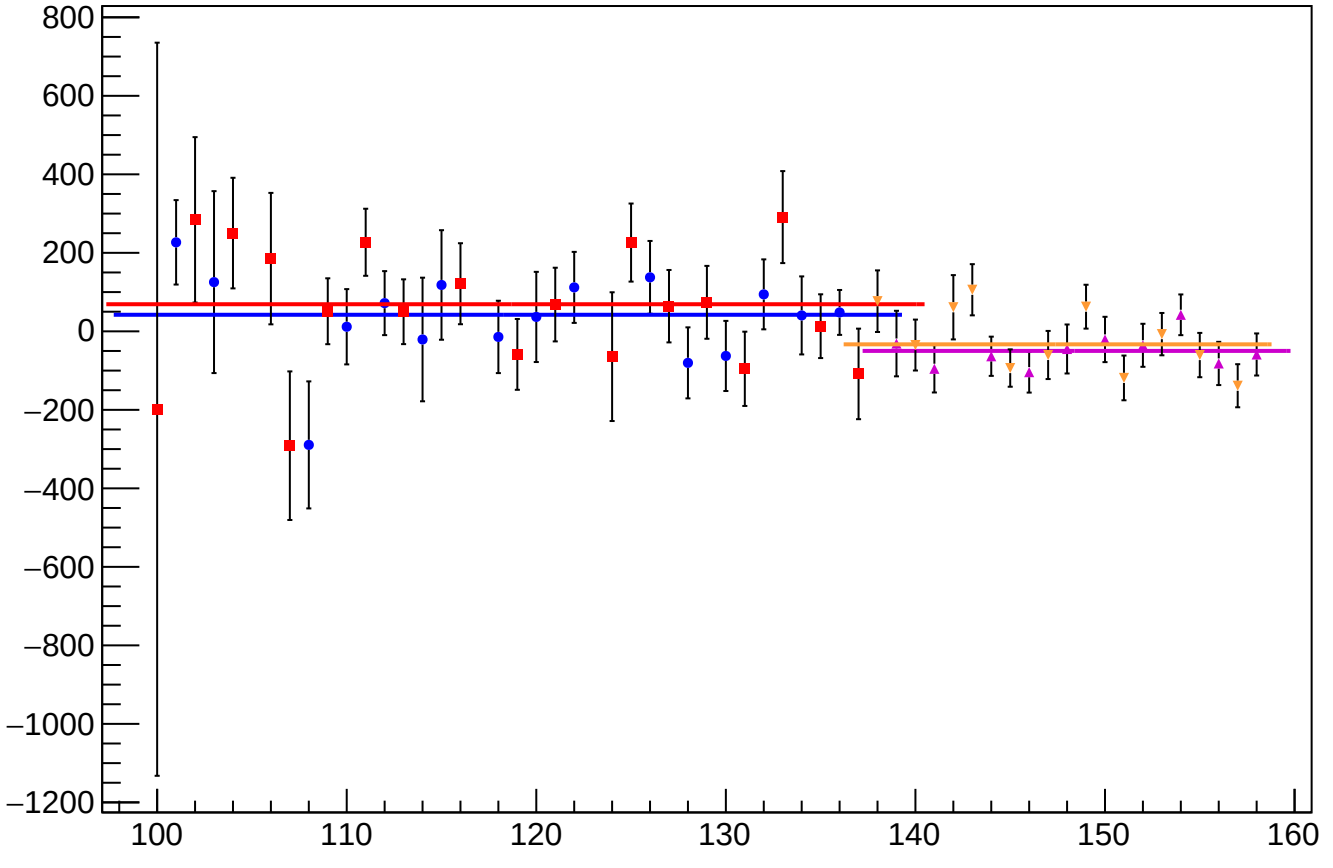
Left: 299.330+/-0.054 χ^2/NDF: 3251609.2/20

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 340.410+/-0.067 χ^2/NDF:5599868.9/25

Out: 370.733+/-0.071 χ^2/NDF:4911095.6/29

All: 354.624+/-0.049 χ^2/NDF: 10606692.8/55



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -33.103+/-17.931 χ^2/NDF:19.0/10

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -49.841+/-17.883 χ^2/NDF:5.6/9

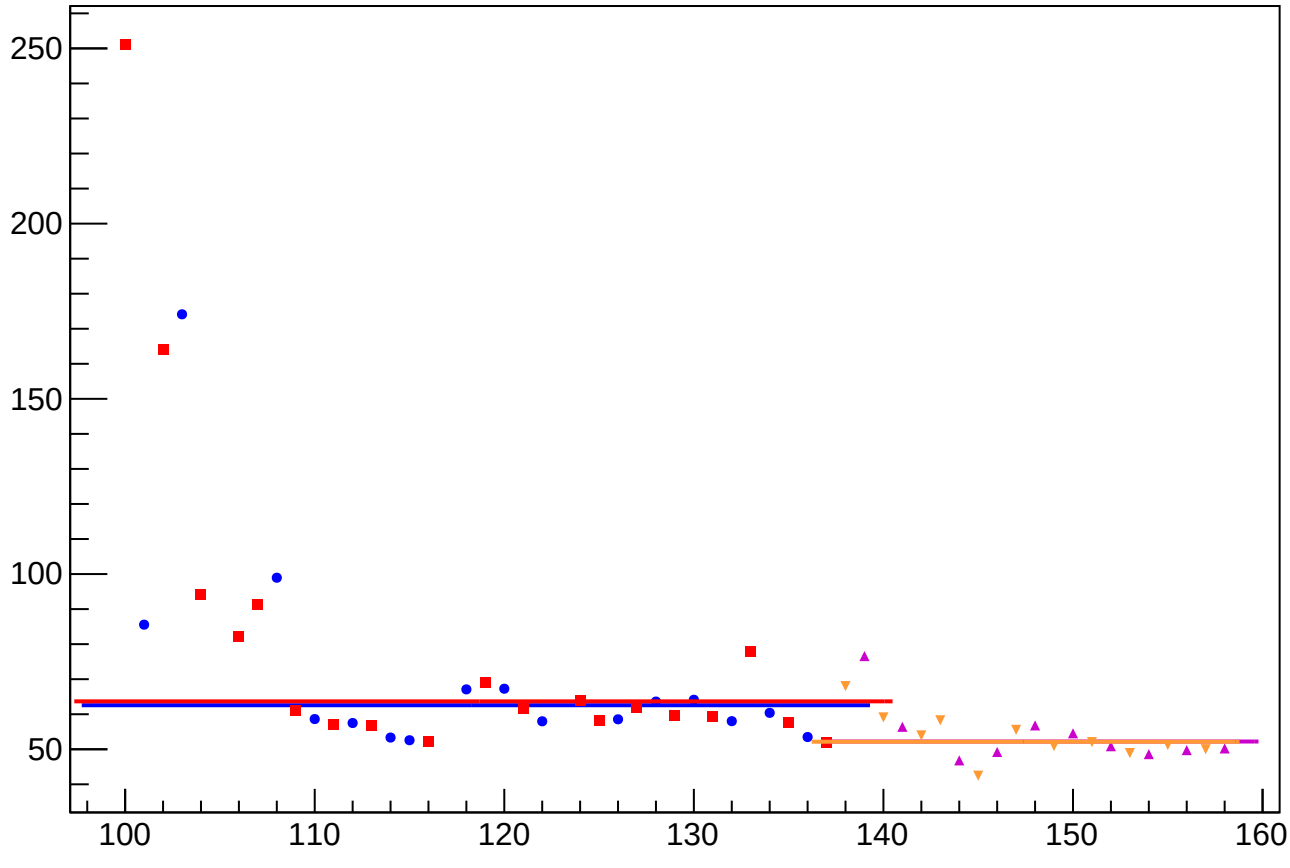
Left: -41.495+/-12.662 χ^2/NDF: 25.1/20

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -17.340+/-14.384 χ^2/NDF:28.5/25

Out: 2.687+/-14.453 χ^2/NDF:55.7/29

All: -7.375+/-10.195 χ^2/NDF: 85.2/55



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.156+/-0.013 χ^2/NDF:223936.0/10

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

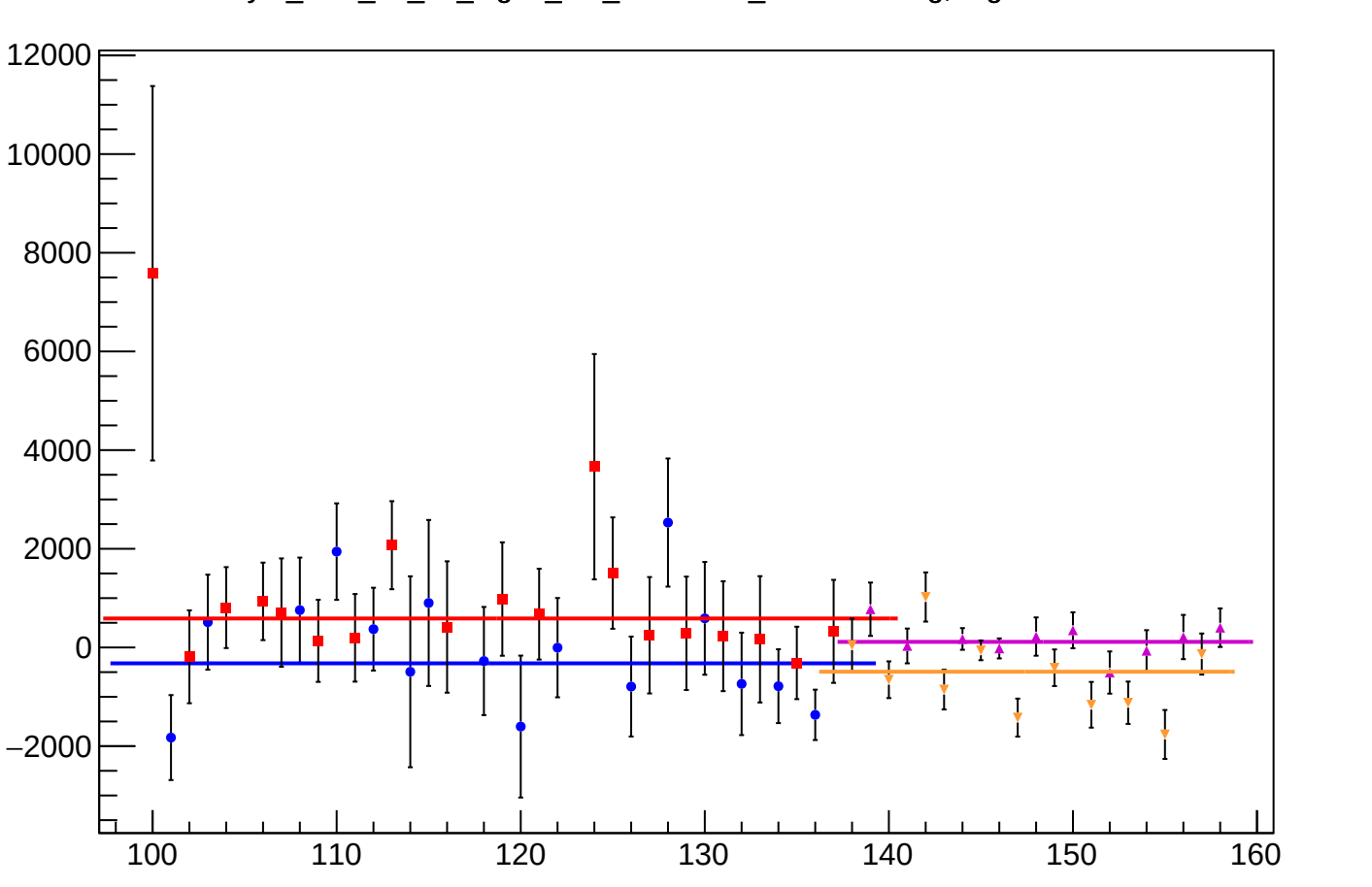
Left: 52.184+/-0.009 χ^2/NDF: 465635.0/20

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.868+/-0.010 χ^2/NDF:1236958.7/25

Out: 56.191+/-0.010 χ^2/NDF:1344506.2/29

All: 56.029+/-0.007 χ^2/NDF: 2581967.3/55



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -491.413+/-111.985 χ^2/NDF:33.3/10

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 113.409+/-103.435 χ^2/NDF:5.4/9

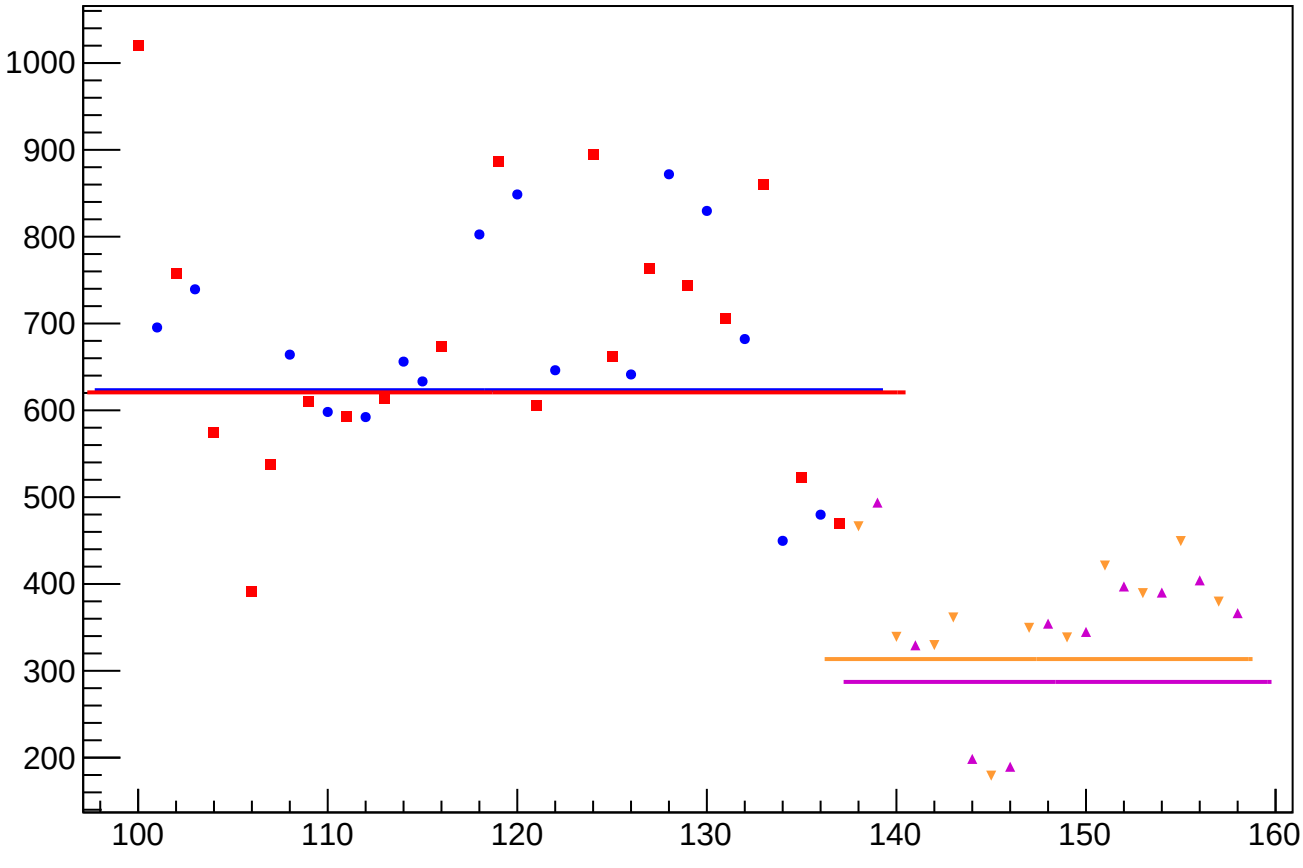
Left: -165.033+/-75.982 χ^2/NDF: 54.5/20

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 44.526+/-94.894 χ^2/NDF:30.9/25

Out: -290.522+/-101.020 χ^2/NDF:62.8/29

All: -112.532+/-69.164 χ^2/NDF: 99.6/55



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 313.529+/-0.079 χ^2/NDF:1498494.9/10

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 287.217+/-0.073 χ^2/NDF:1693535.3/9

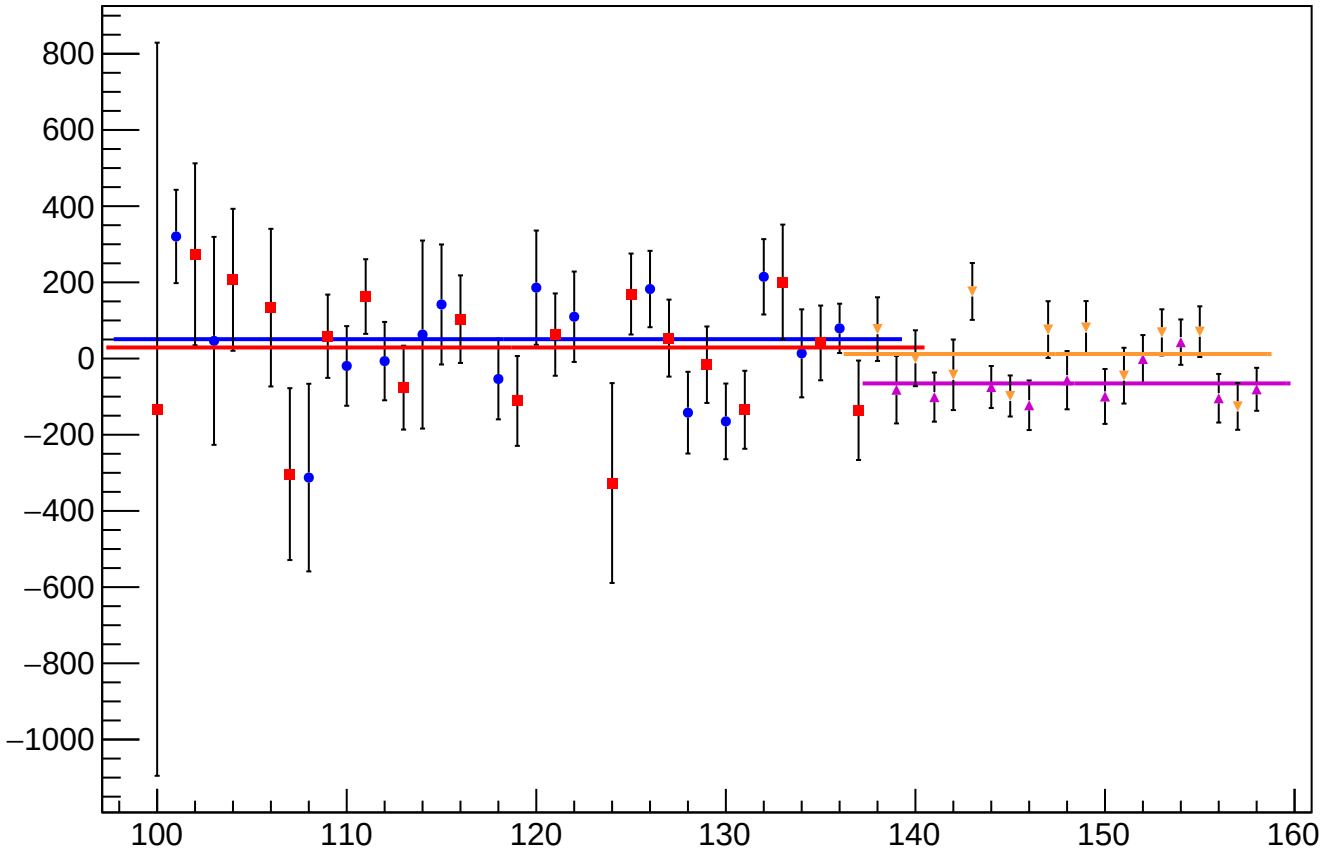
Left: 299.330+/-0.054 χ^2/NDF: 3251609.2/20

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 340.410+/-0.067 χ^2/NDF:5599868.9/25

Out: 370.733+/-0.071 χ^2/NDF:4911095.6/29

All: 354.624+/-0.049 χ^2/NDF: 10606692.8/55



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 11.895+/-20.814 χ^2/NDF:19.0/10

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -65.343+/-20.448 χ^2/NDF:6.2/9

Left: -27.408+/-14.587 χ^2/NDF: 32.2/20

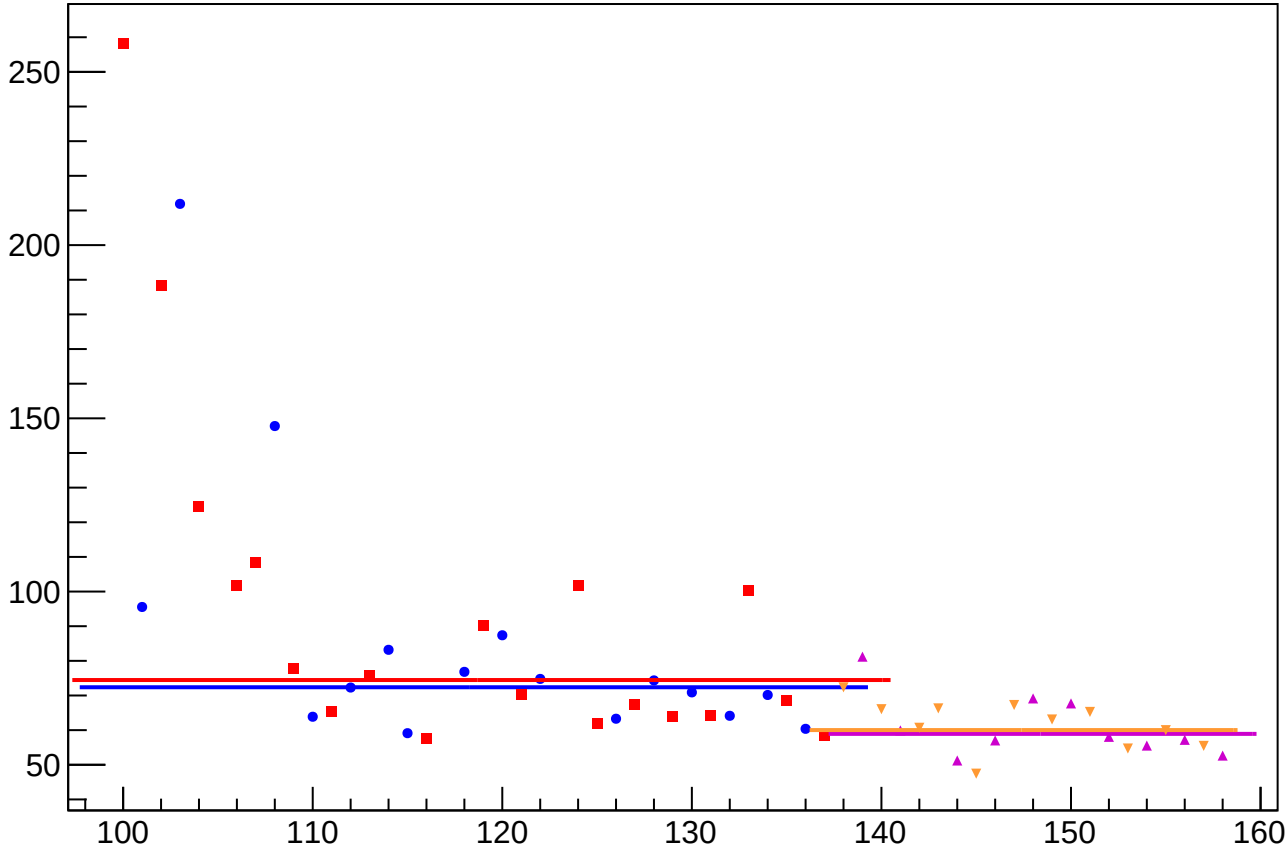
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -25.521+/-16.578 χ^2/NDF:40.1/25

Out: 17.748+/-16.892 χ^2/NDF:37.8/29

All: -4.292+/-11.832 χ^2/NDF: 81.2/55

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.018+/-0.015 χ^2/NDF:239927.2/10

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.921+/-0.014 χ^2/NDF:266193.3/9

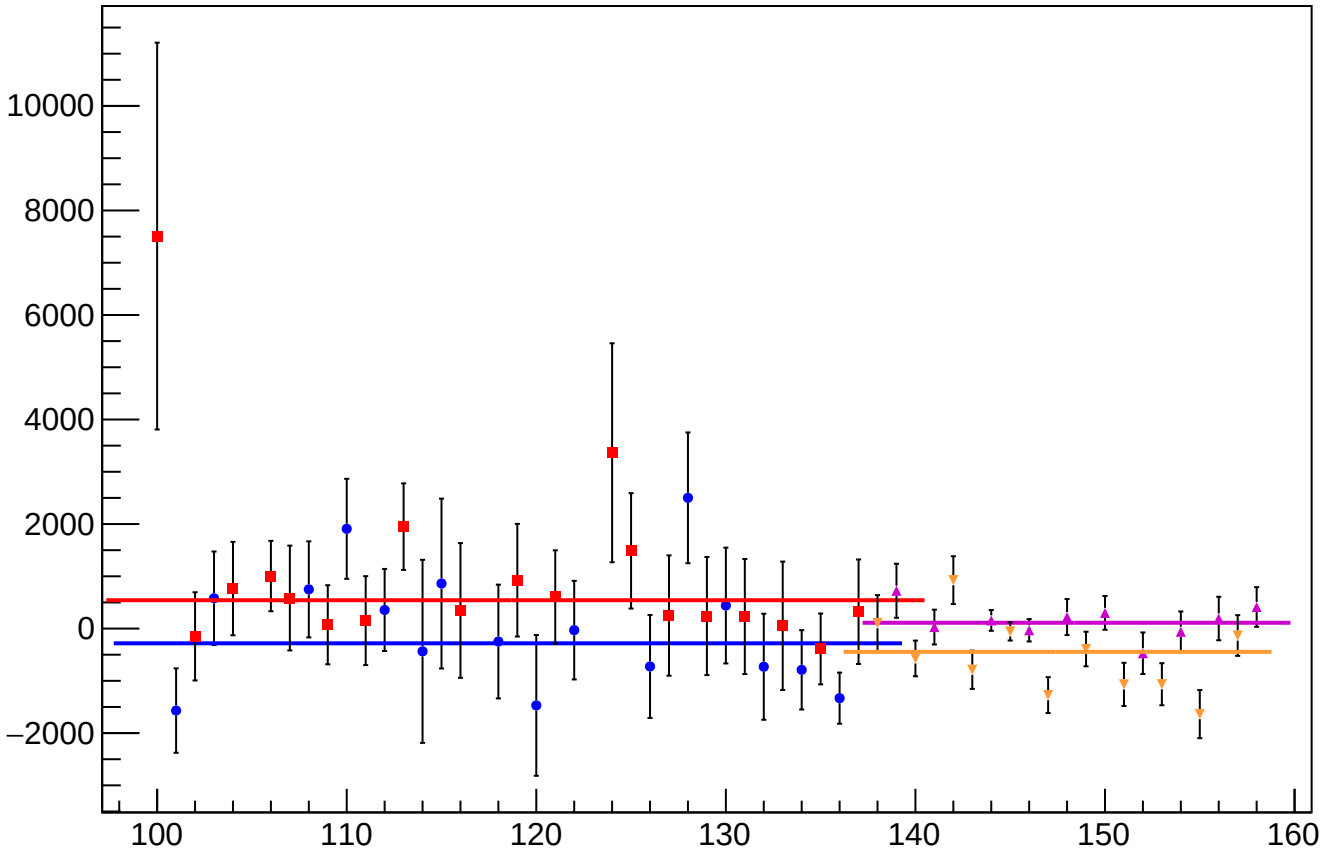
Left: 59.459+/-0.010 χ^2/NDF: 508947.7/20

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 63.533+/-0.012 χ^2/NDF:1501259.6/25

Out: 64.949+/-0.012 χ^2/NDF:1621115.3/29

All: 64.228+/-0.008 χ^2/NDF: 3129536.4/55



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -445.380+/-101.145 χ^2/NDF:33.9/10

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 111.099+/-98.203 χ^2/NDF:5.4/9

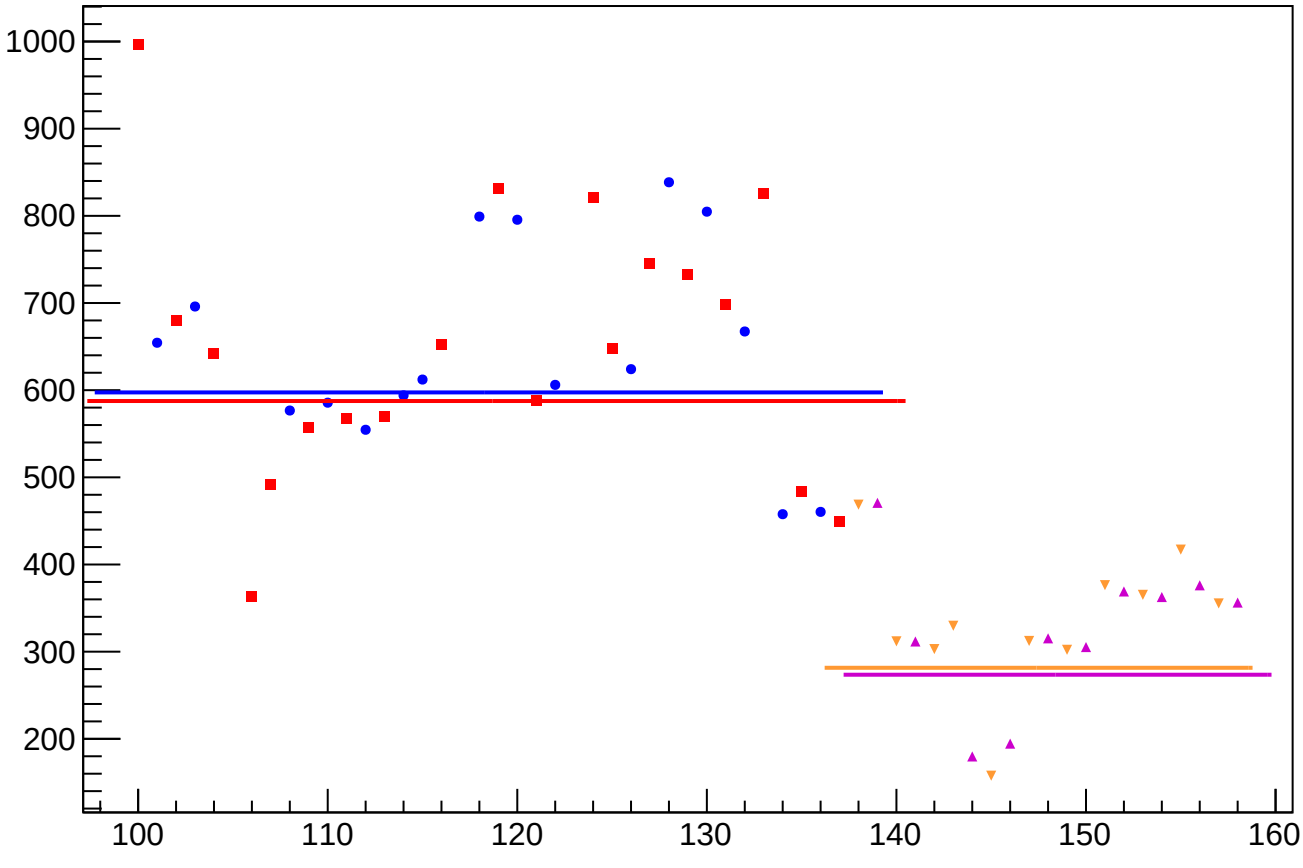
Left: -158.931+/-70.457 χ^2/NDF: 54.9/20

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 49.483+/-90.180 χ^2/NDF:30.7/25

Out: -274.254+/-91.963 χ^2/NDF:63.6/29

All: -109.216+/-64.388 χ^2/NDF: 100.7/55



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 281.518+/-0.072 χ^2/NDF:1755505.8/10

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 273.551+/-0.069 χ^2/NDF:1522280.8/9

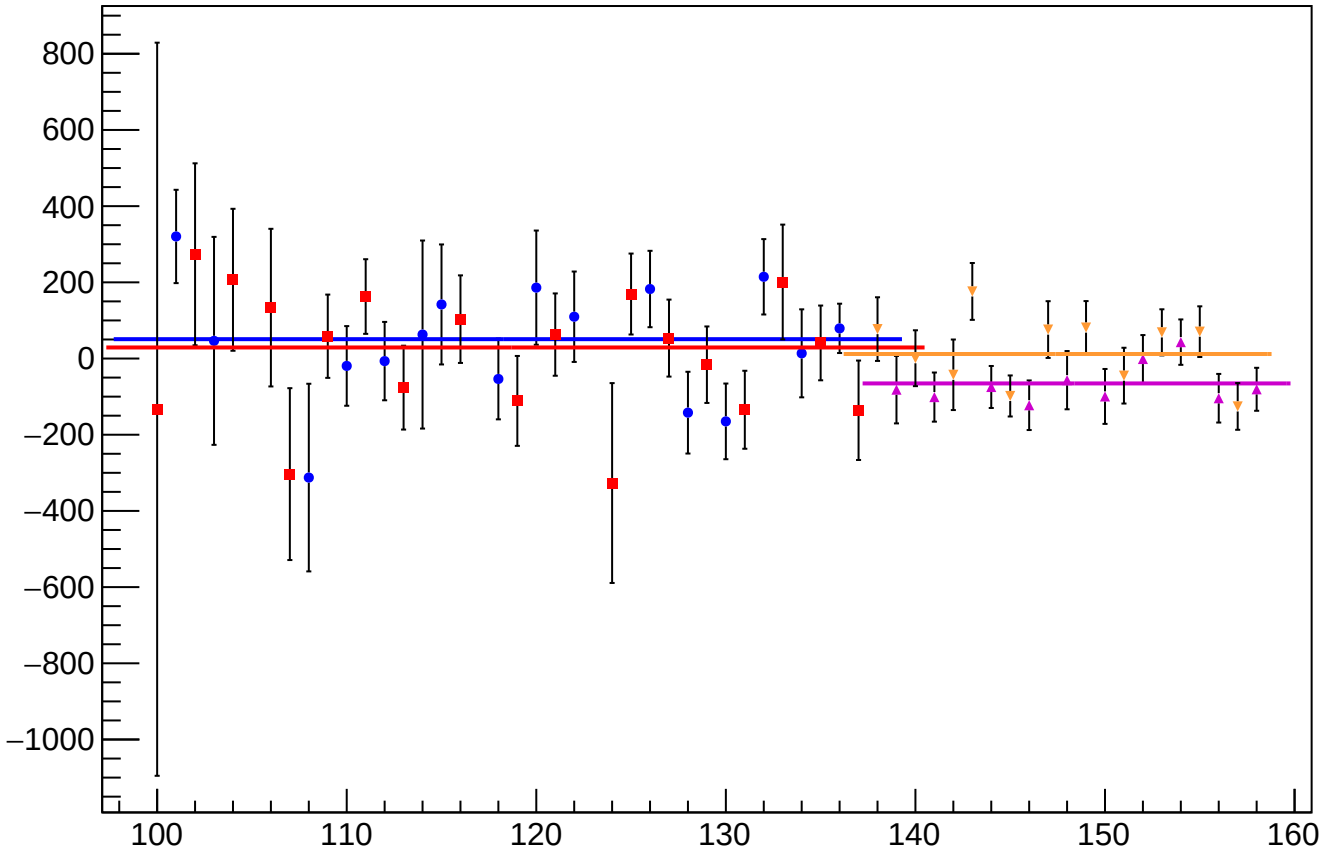
Left: 277.417+/-0.050 χ^2/NDF: 3284172.8/20

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 324.314+/-0.064 χ^2/NDF:5465777.4/25

Out: 334.558+/-0.065 χ^2/NDF:5618076.5/29

All: 329.336+/-0.046 χ^2/NDF: 11096506.0/55



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 11.896+/-20.814 χ^2/NDF:19.0/10

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -65.343+/-20.449 χ^2/NDF:6.2/9

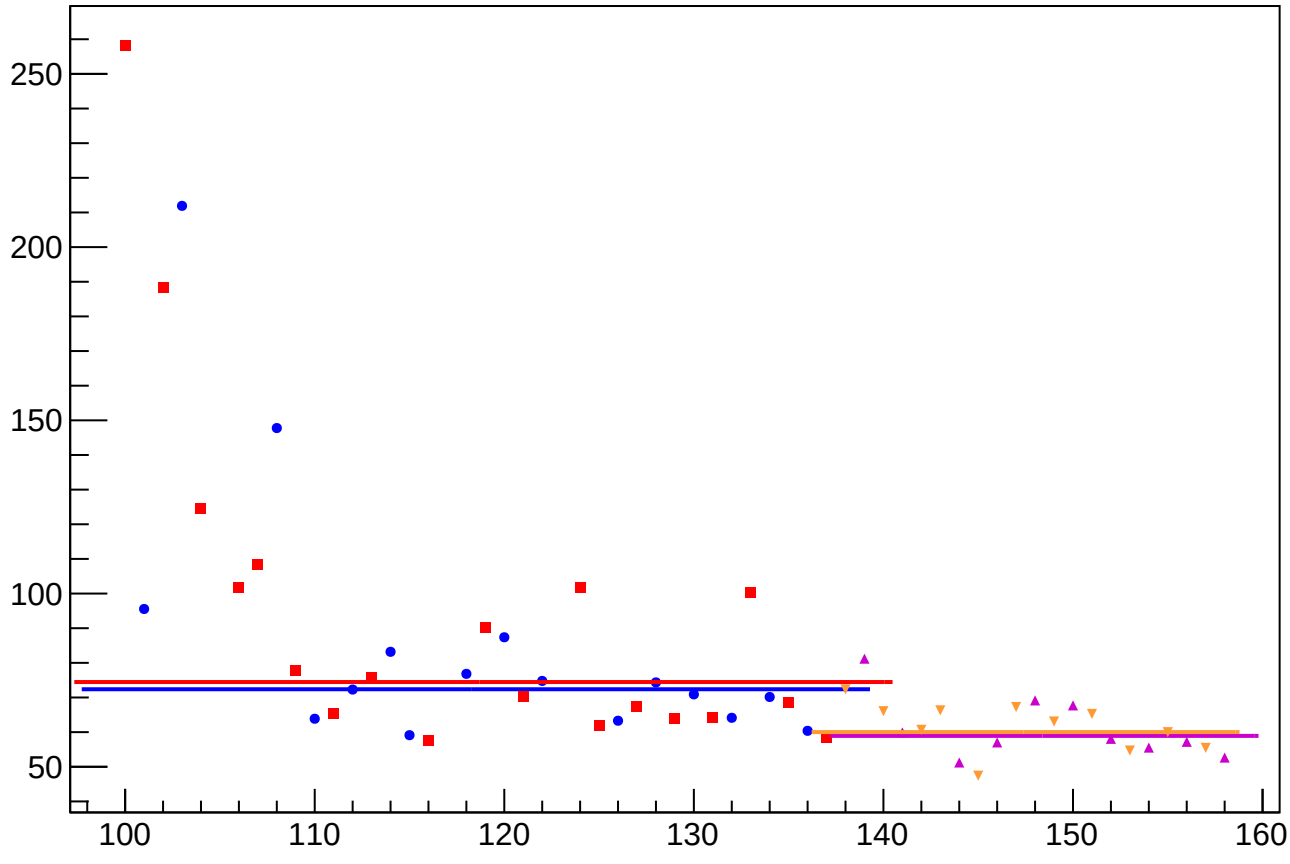
Left: -27.408+/-14.587 χ^2/NDF: 32.2/20

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -25.521+/-16.578 χ^2/NDF:40.1/25

Out: 17.748+/-16.892 χ^2/NDF:37.8/29

All: -4.292+/-11.832 χ^2/NDF: 81.2/55



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.018+/-0.015 χ^2/NDF:239936.5/10

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.921+/-0.014 χ^2/NDF:266195.4/9

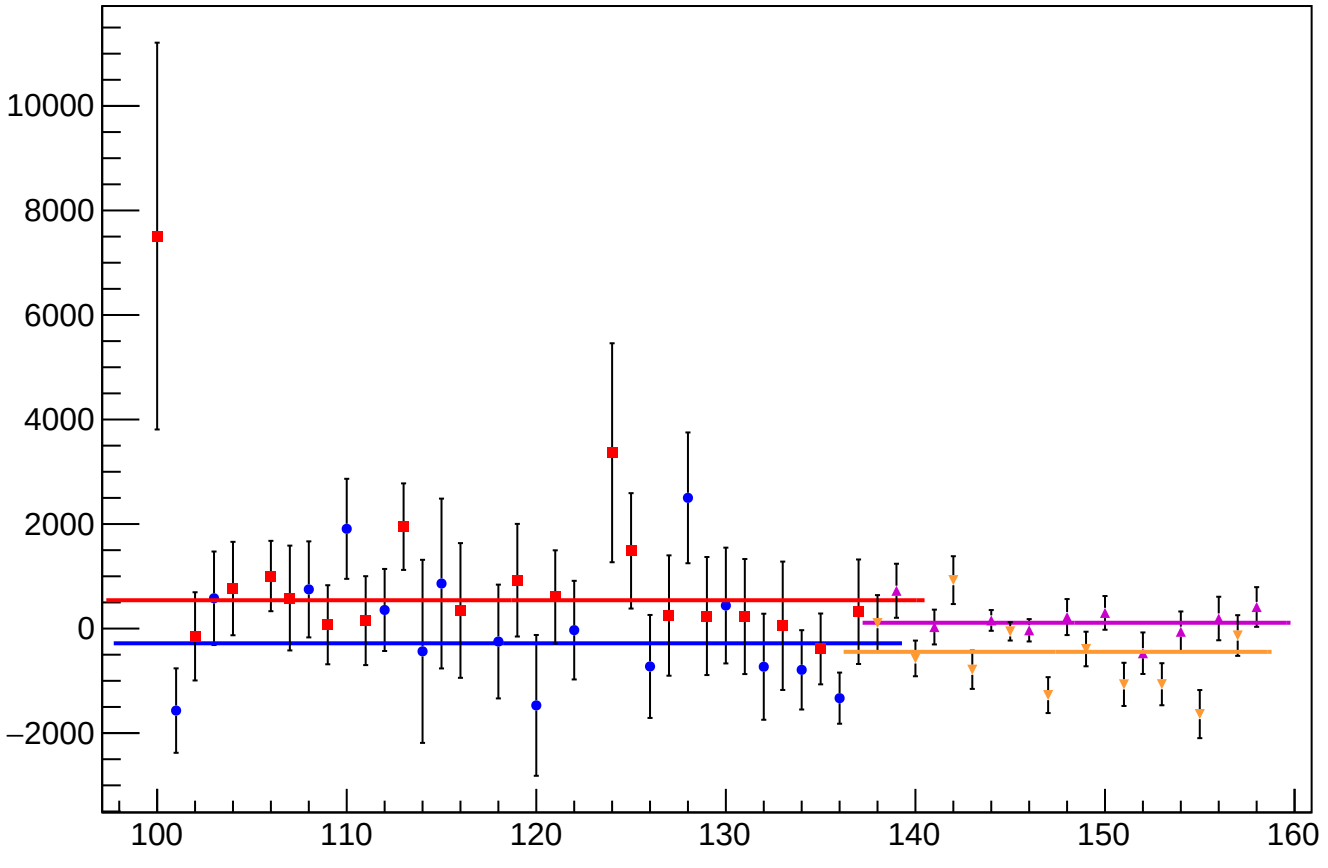
Left: 59.460+/-0.010 χ^2/NDF: 508959.4/20

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 63.533+/-0.012 χ^2/NDF:1501251.4/25

Out: 64.950+/-0.012 χ^2/NDF:1621101.8/29

All: 64.228+/-0.008 χ^2/NDF: 3129515.5/55



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -445.381+/-101.145 χ^2/NDF:33.9/10

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 111.099+/-98.203 χ^2/NDF:5.4/9

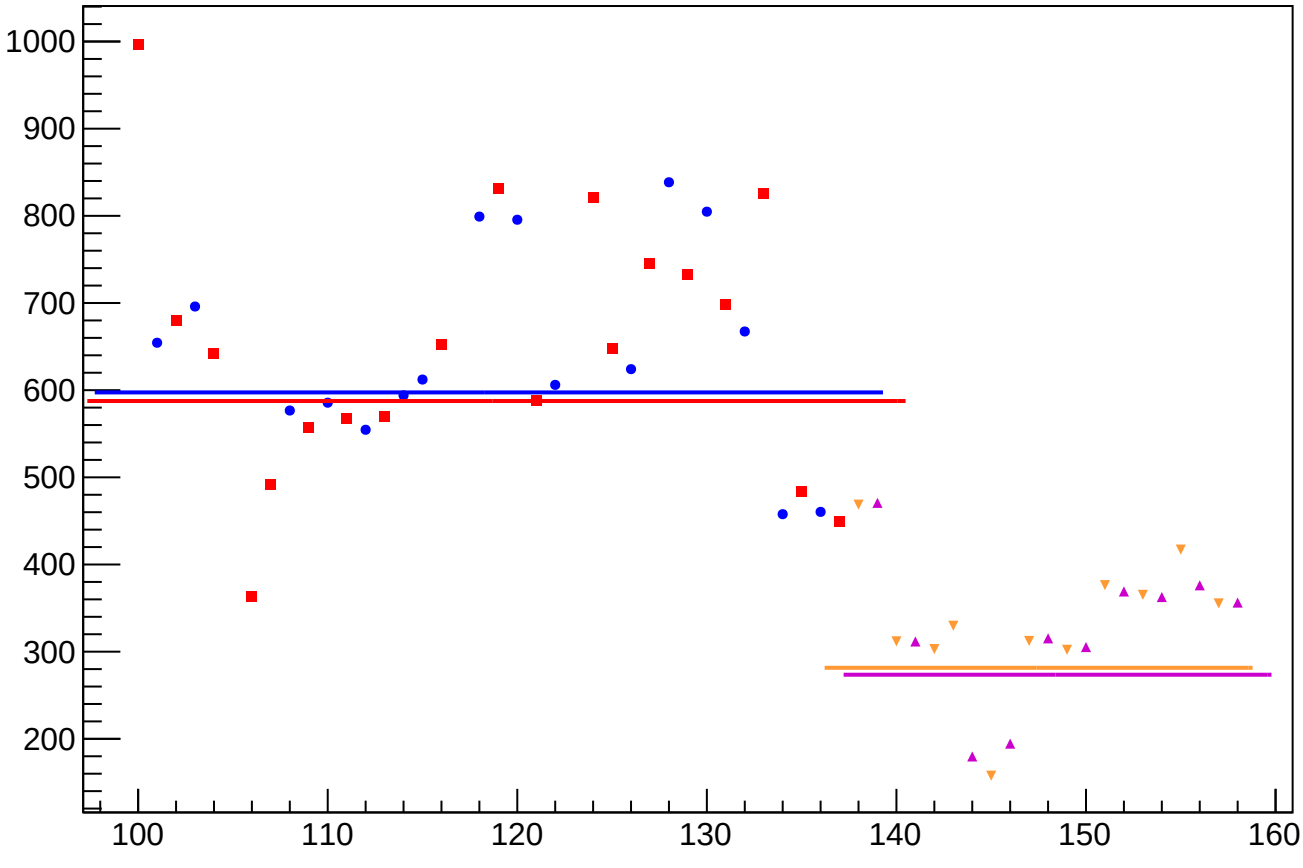
Left: -158.932+/-70.457 χ^2/NDF: 54.9/20

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 49.483+/-90.180 χ^2/NDF:30.7/25

Out: -274.254+/-91.963 χ^2/NDF:63.6/29

All: -109.216+/-64.388 χ^2/NDF: 100.7/55



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 281.517+/-0.072 χ^2/NDF:1755494.5/10

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 273.551+/-0.069 χ^2/NDF:1522273.4/9

Left: 277.417+/-0.050 χ^2/NDF: 3284154.4/20

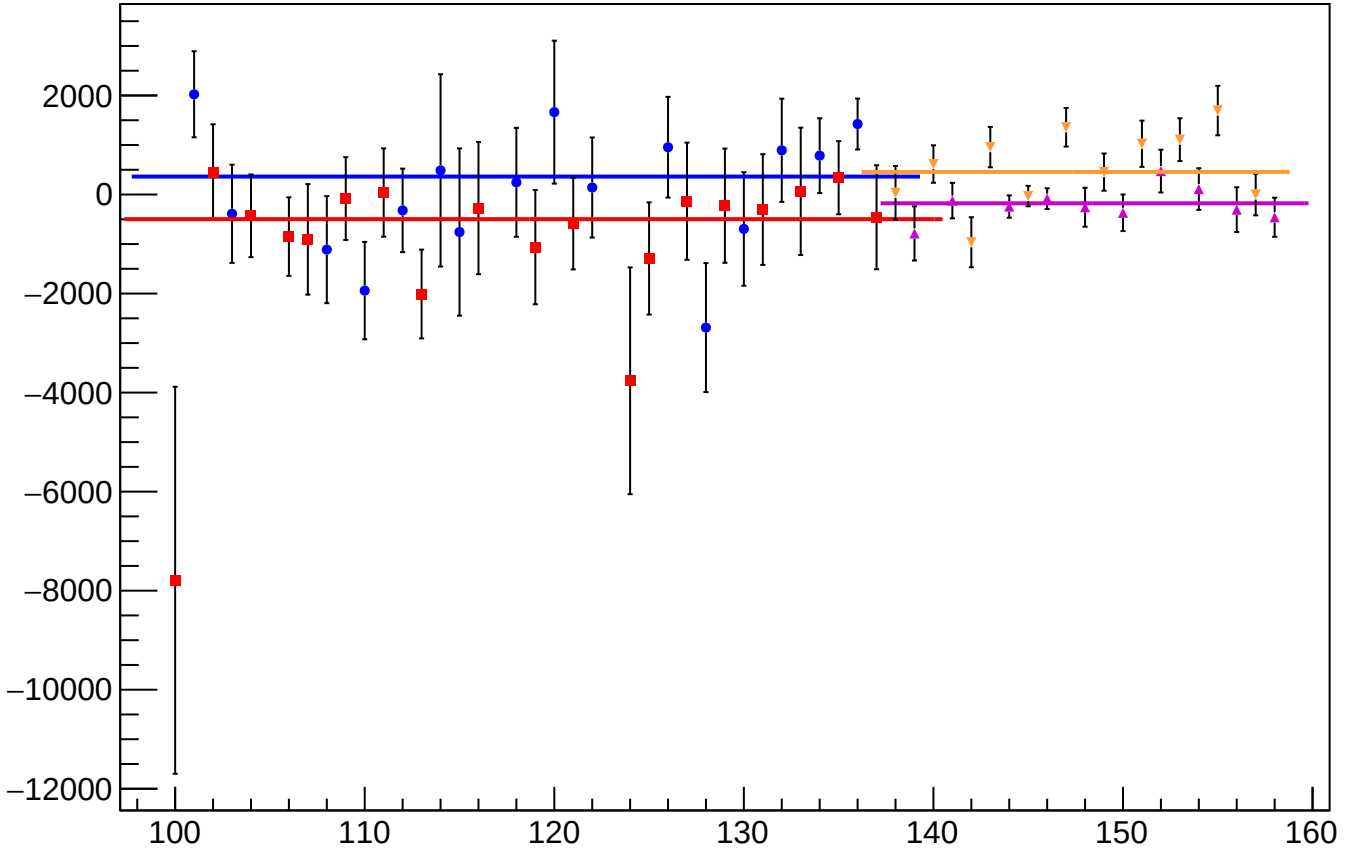
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 324.314+/-0.064 χ^2/NDF:5465779.8/25

Out: 334.558+/-0.065 χ^2/NDF:5618065.6/29

All: 329.336+/-0.046 χ^2/NDF: 11096497.7/55

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 456.374+/-113.827 χ^2/NDF:32.2/10

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -177.279+/-105.572 χ^2/NDF:5.2/9

Left: 115.740+/-77.405 χ^2/NDF: 54.1/20

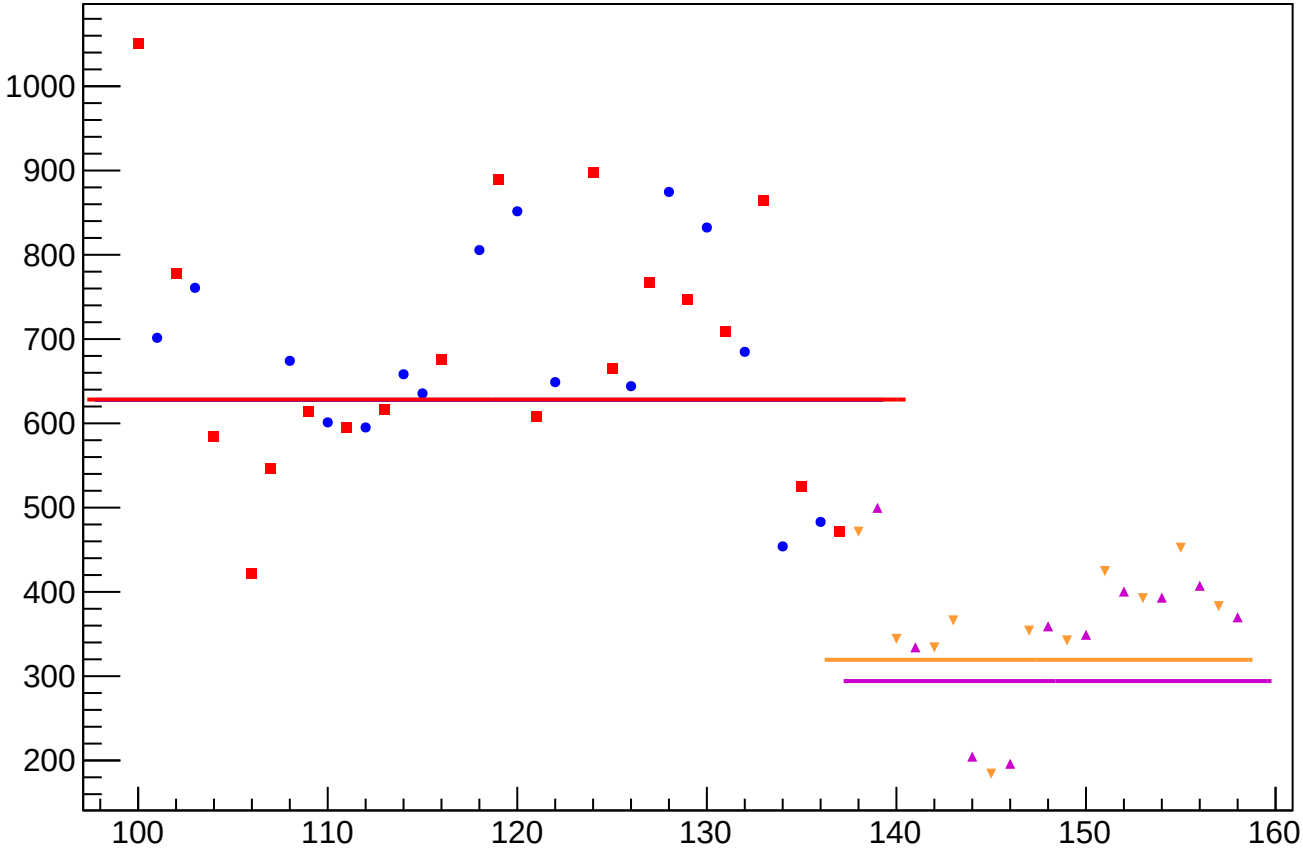
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -89.970+/-96.656 χ^2/NDF:34.5/25

Out: 276.550+/-102.527 χ^2/NDF:58.2/29

All: 82.495+/-70.330 χ^2/NDF: 99.4/55

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 319.457+/-0.080 χ^2/NDF:1423358.4/10

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 294.219+/-0.075 χ^2/NDF:1591448.7/9

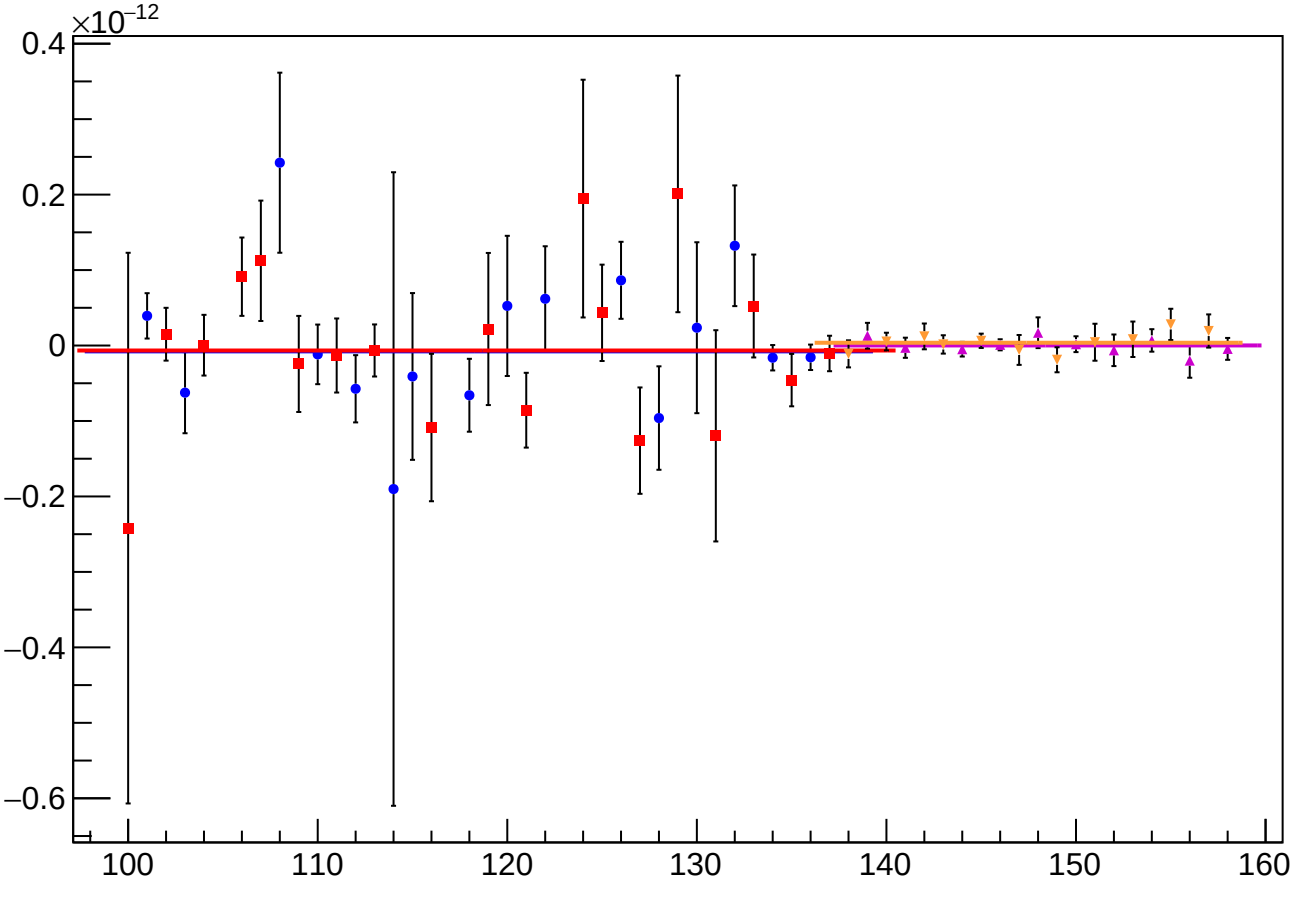
Left: 305.890+/-0.055 χ^2/NDF: 3067660.7/20

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 348.203+/-0.068 χ^2/NDF:5390597.5/25

Out: 377.723+/-0.072 χ^2/NDF:4771626.9/29

All: 362.094+/-0.050 χ^2/NDF: 10250009.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/9

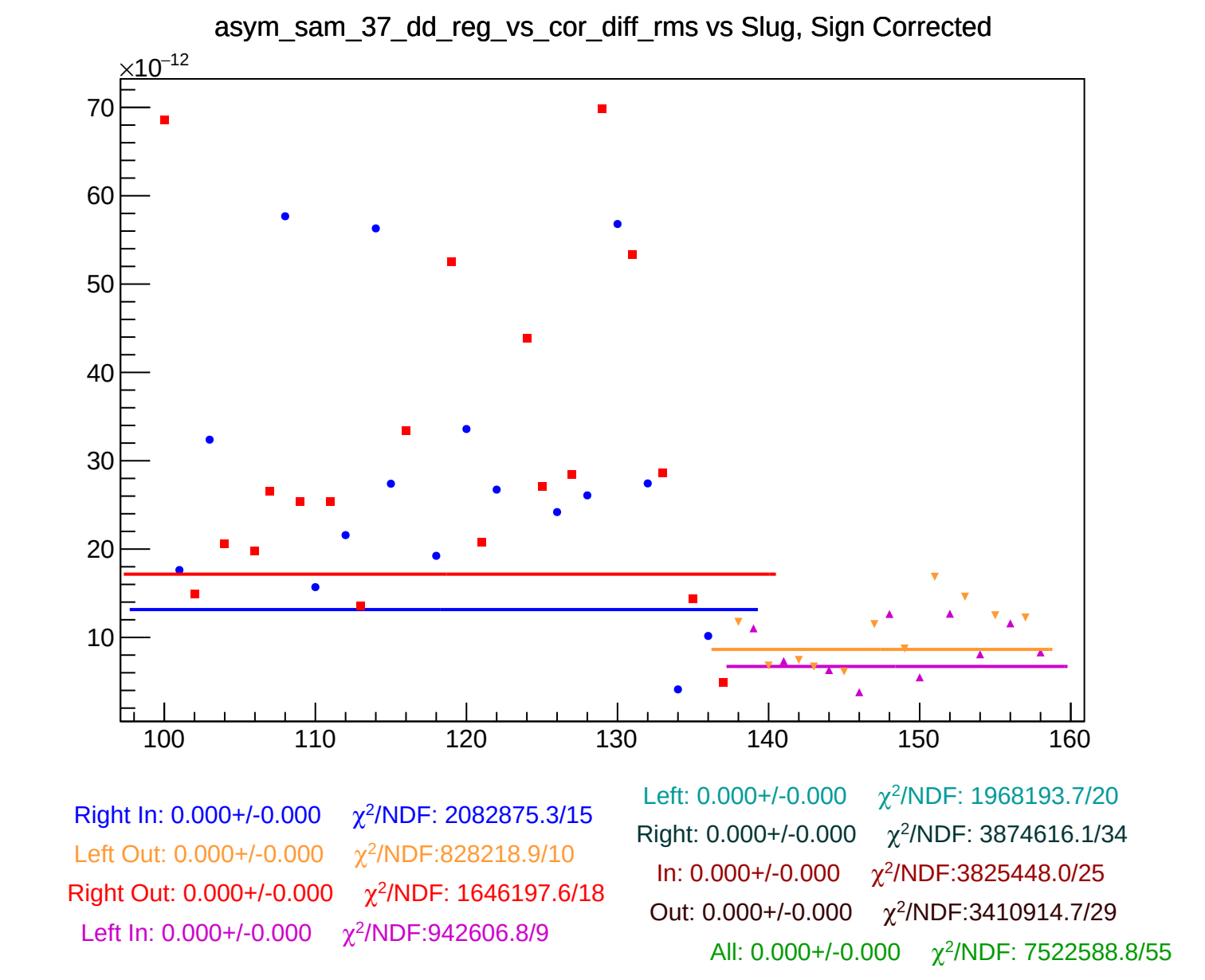
Left: 0.000+/-0.000 χ^2/NDF: 8.2/20

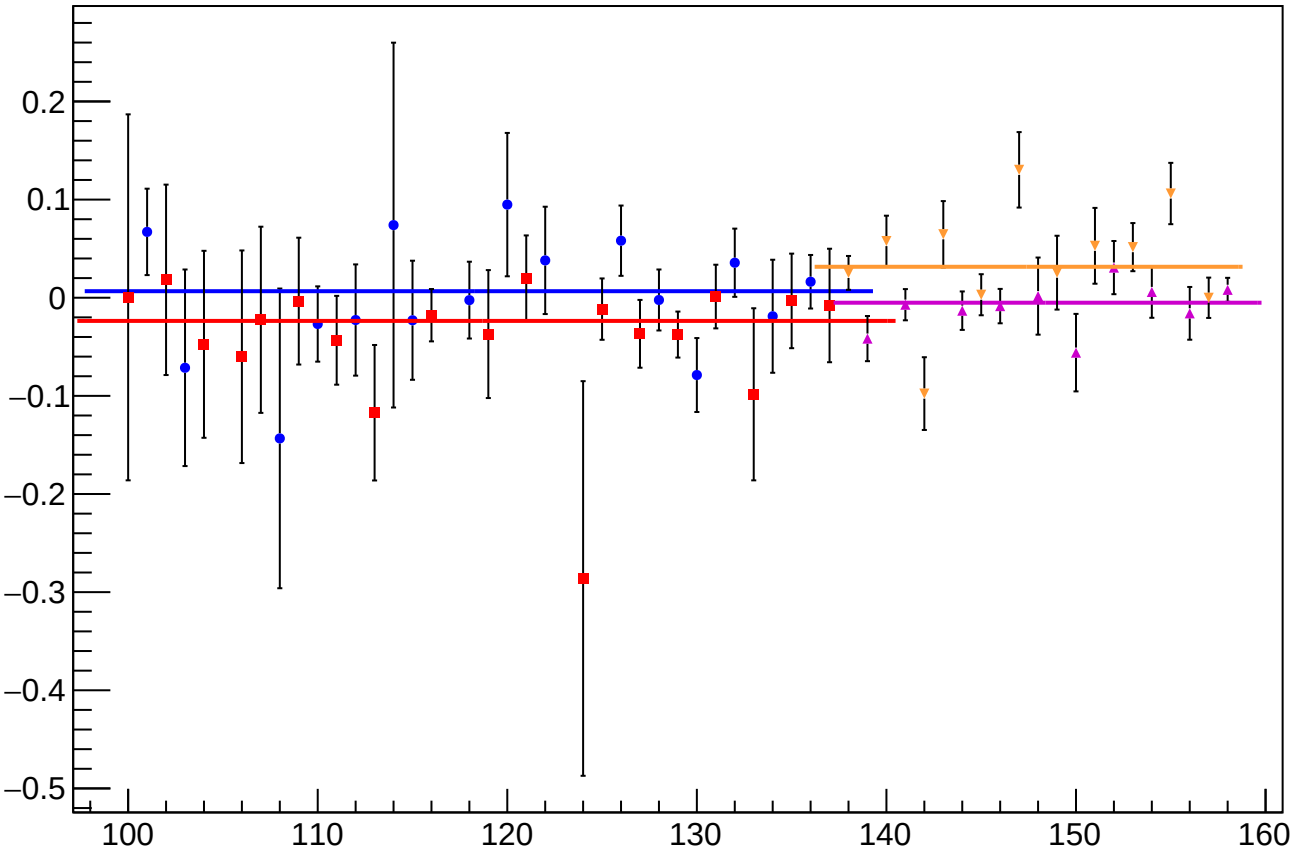
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:24.3/25

Out: 0.000+/-0.000 χ^2/NDF:25.7/29

All: 0.000+/-0.000 χ^2/NDF: 50.4/55


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:828218.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:942606.8/9
Left: 0.000+/-0.000 χ²/NDF: 1968193.7/20
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3825448.0/25
Out: 0.000+/-0.000 χ²/NDF:3410914.7/29
All: 0.000+/-0.000 χ²/NDF: 7522588.8/55



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.006 χ^2/NDF:7.7/9

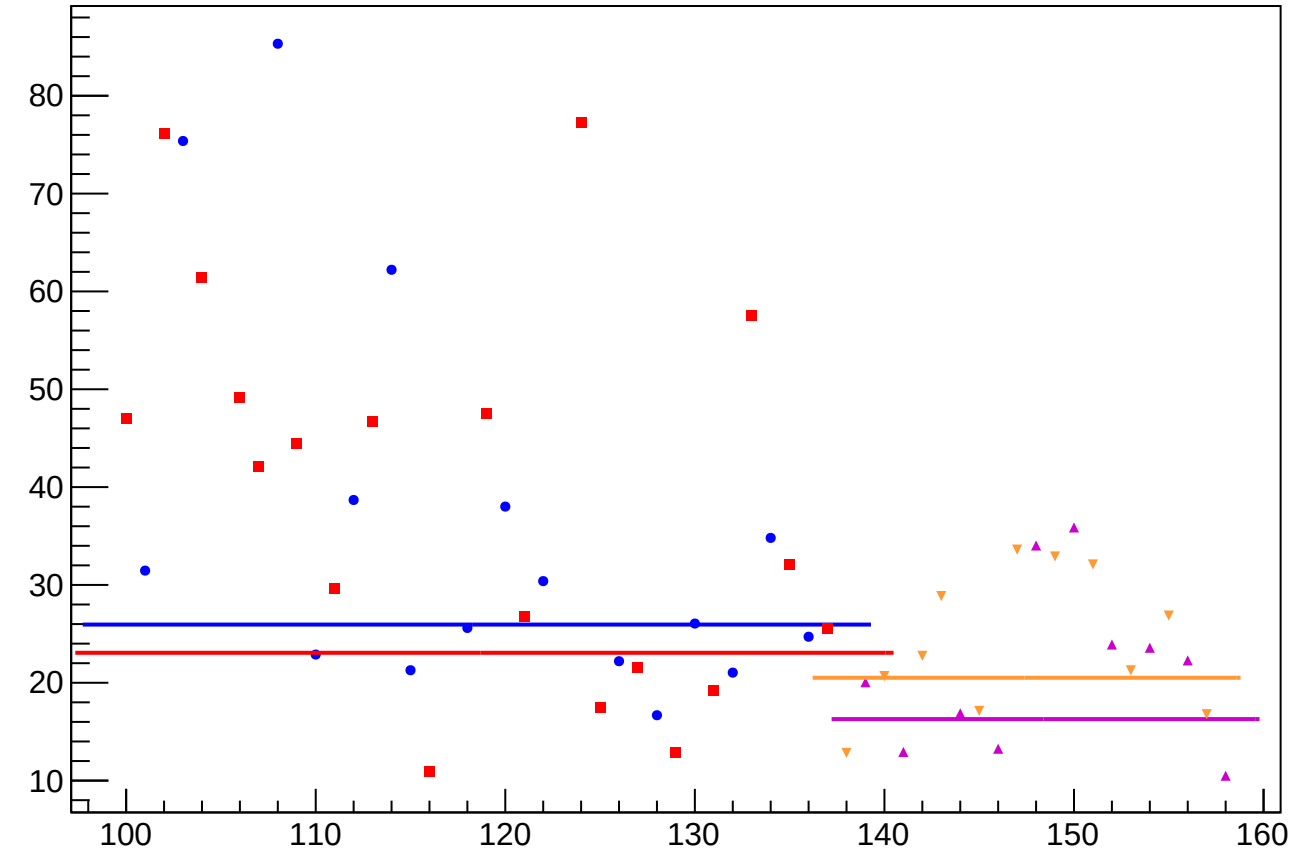
Left: 0.010+/-0.005 χ^2/NDF: 52.3/20

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.006 χ^2/NDF:23.5/25

Out: 0.011+/-0.006 χ^2/NDF:56.9/29

All: 0.004+/-0.004 χ^2/NDF: 83.0/55



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.512+/-0.006 χ^2/NDF:1357613.4/10

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.288+/-0.005 χ^2/NDF:1965185.5/9

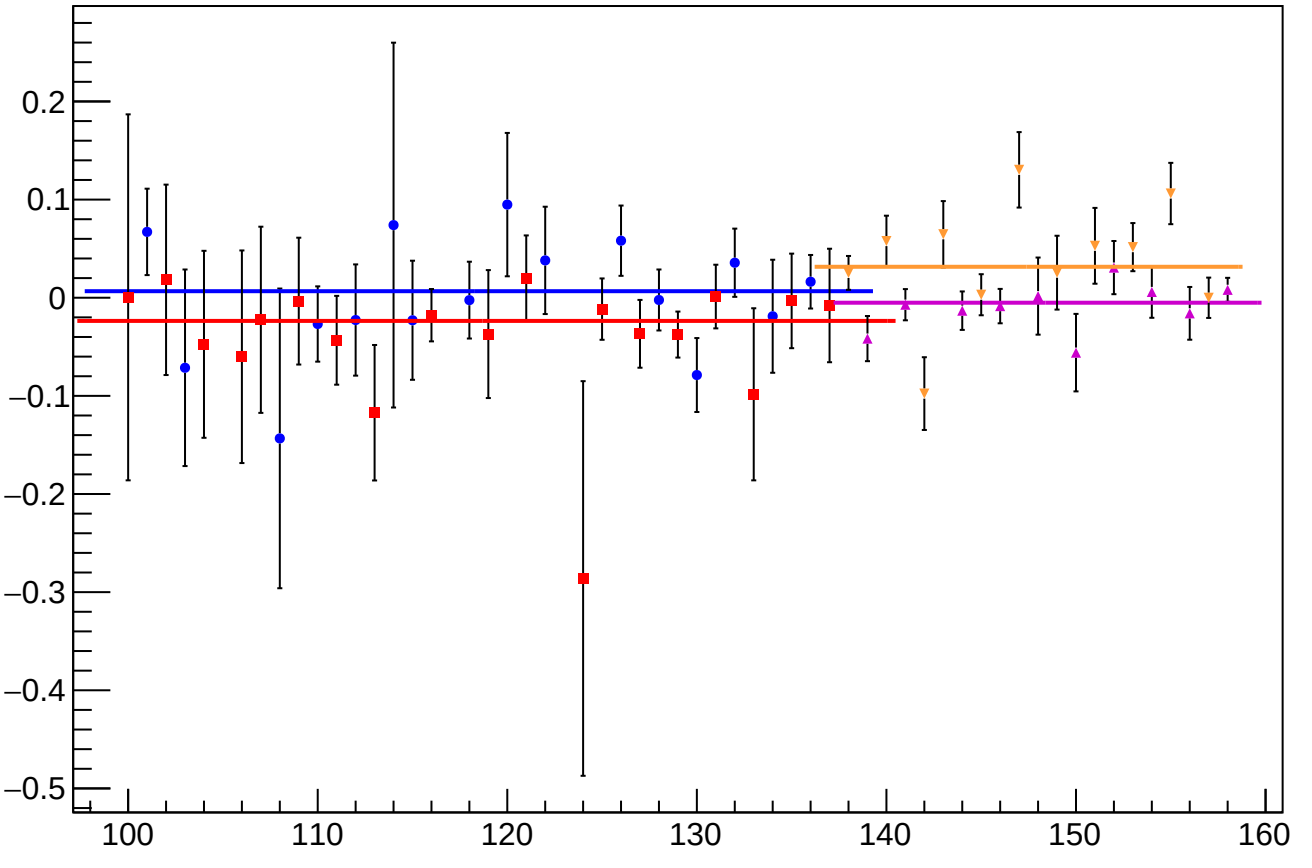
Left: 17.974+/-0.004 χ^2/NDF: 3662886.5/20

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 18.739+/-0.004 χ^2/NDF:4477650.7/25

Out: 21.441+/-0.004 χ^2/NDF:4793640.1/29

All: 19.922+/-0.003 χ^2/NDF: 9475967.4/55



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.006 χ^2/NDF:7.7/9

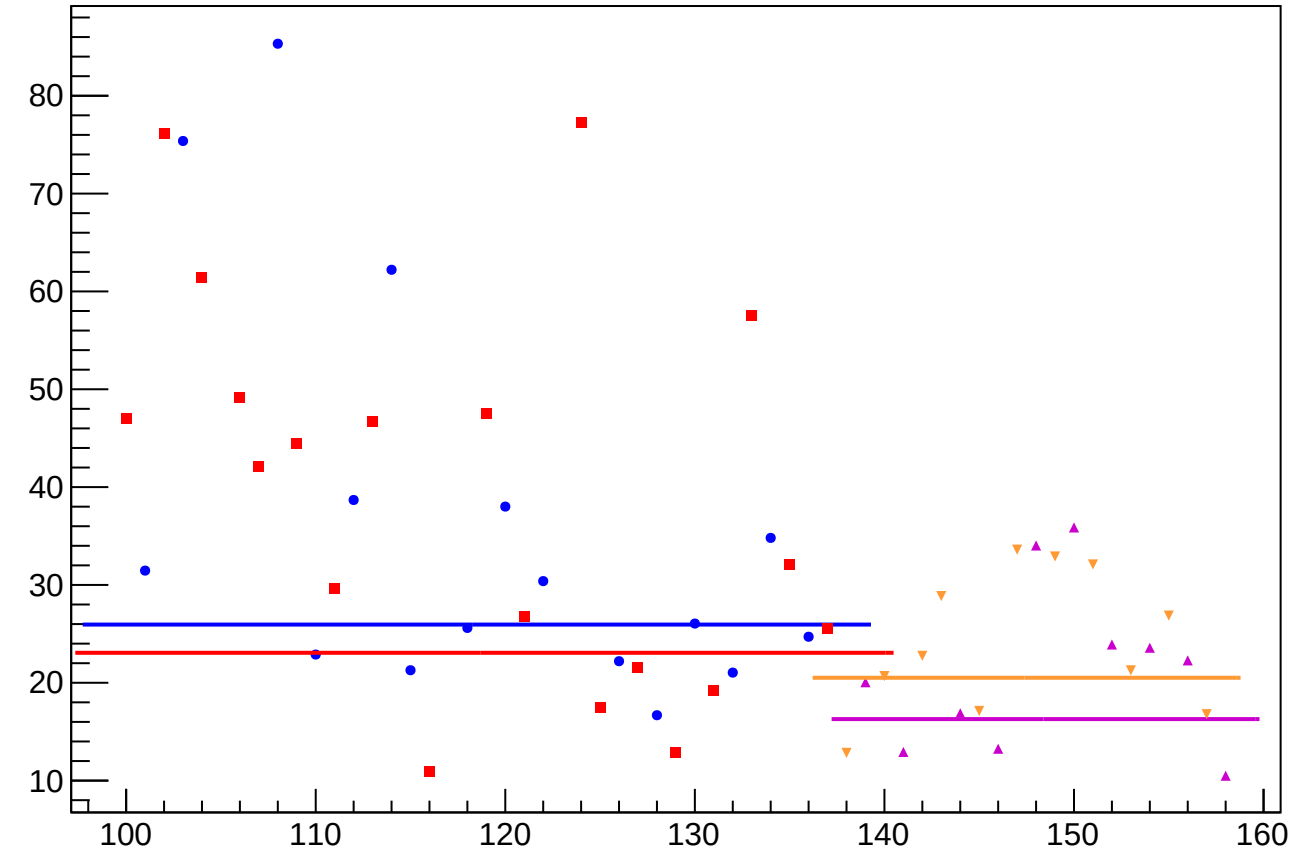
Left: 0.010+/-0.005 χ^2/NDF: 52.3/20

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.006 χ^2/NDF:23.5/25

Out: 0.011+/-0.006 χ^2/NDF:56.9/29

All: 0.004+/-0.004 χ^2/NDF: 83.0/55



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.512+/-0.006 χ^2/NDF:1357613.4/10

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.288+/-0.005 χ^2/NDF:1965185.5/9

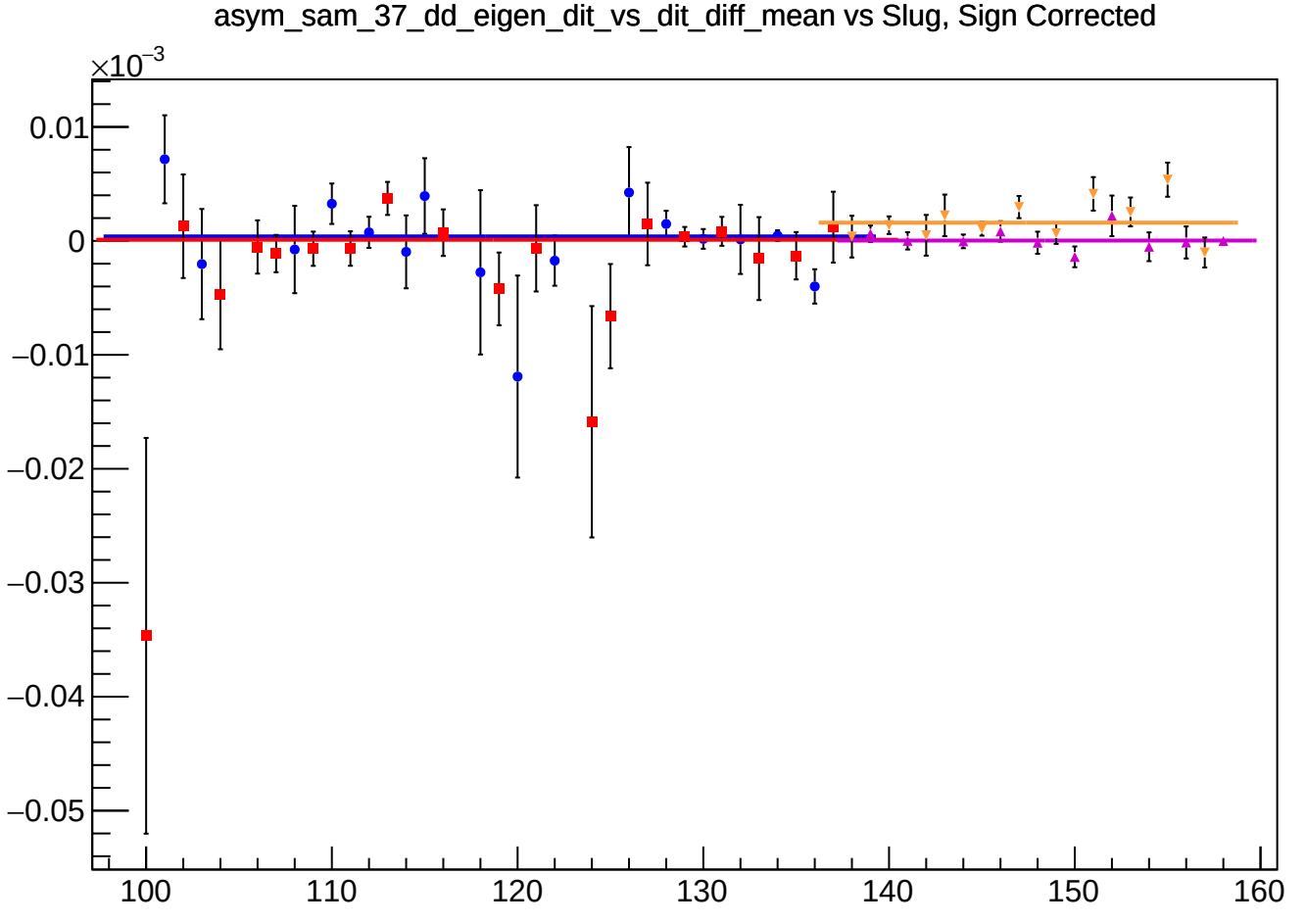
Left: 17.974+/-0.004 χ^2/NDF: 3662886.5/20

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 18.739+/-0.004 χ^2/NDF:4477650.7/25

Out: 21.441+/-0.004 χ^2/NDF:4793640.1/29

All: 19.922+/-0.003 χ^2/NDF: 9475967.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/9

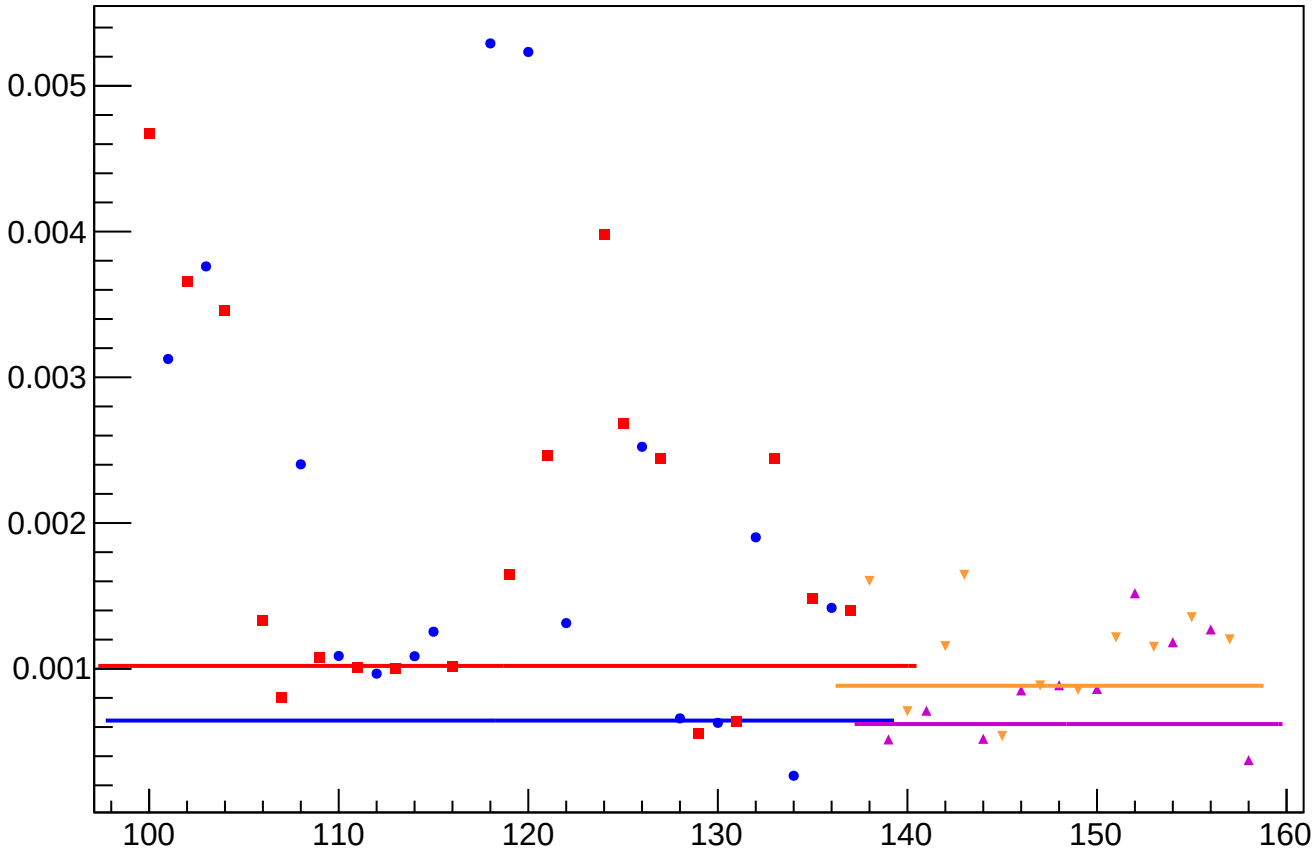
Left: 0.000+/-0.000 χ^2/NDF: 39.5/20

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:27.3/25

Out: 0.000+/-0.000 χ^2/NDF:46.3/29

All: 0.000+/-0.000 χ^2/NDF: 81.9/55



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1945360.9/10

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2623330.2/9

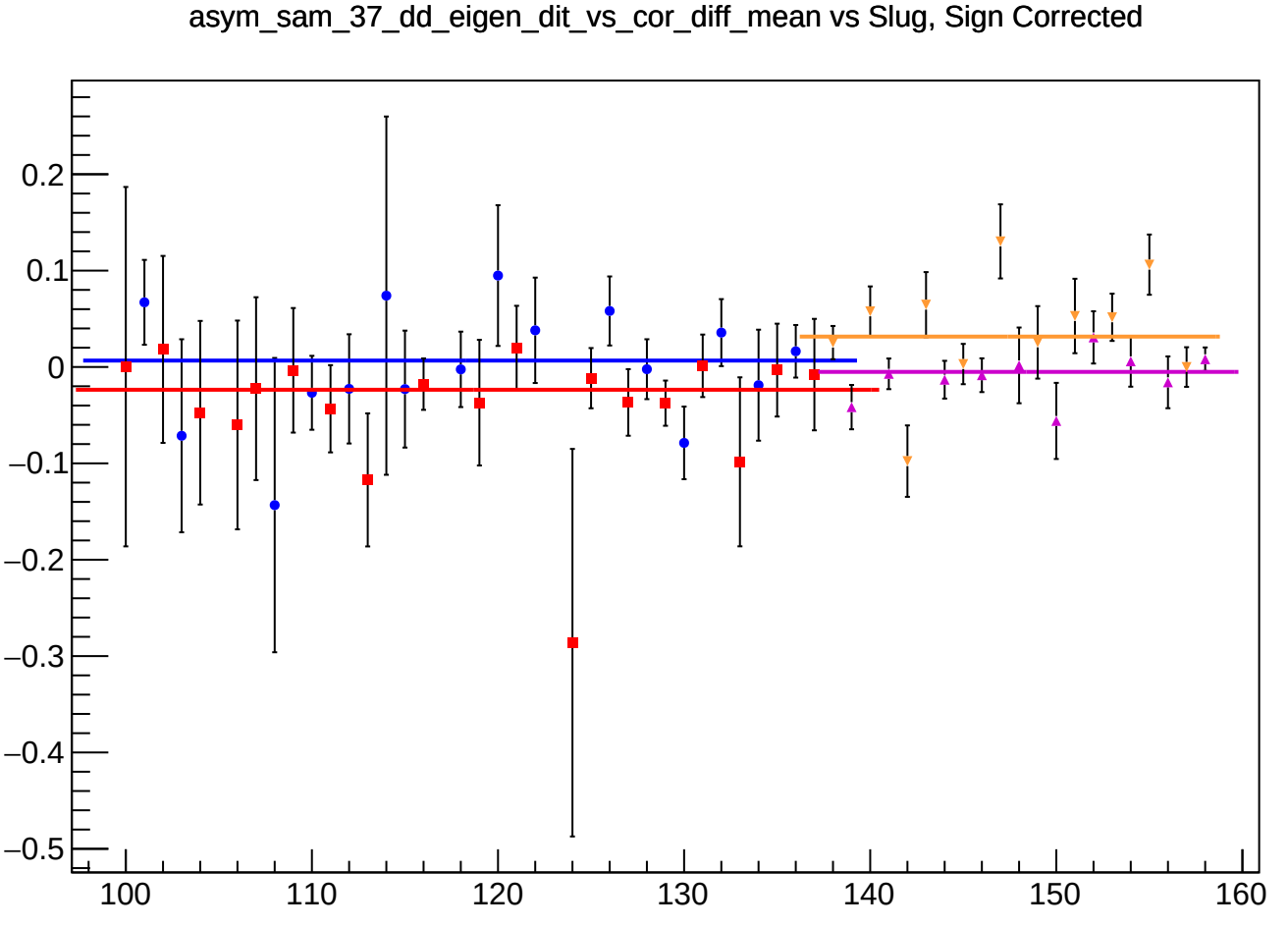
Left: 0.001+/-0.000 χ^2/NDF: 5419915.9/20

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:9205595.9/25

Out: 0.001+/-0.000 χ^2/NDF:5728846.5/29

All: 0.001+/-0.000 χ^2/NDF: 16623201.8/55



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.006 χ^2/NDF:7.7/9

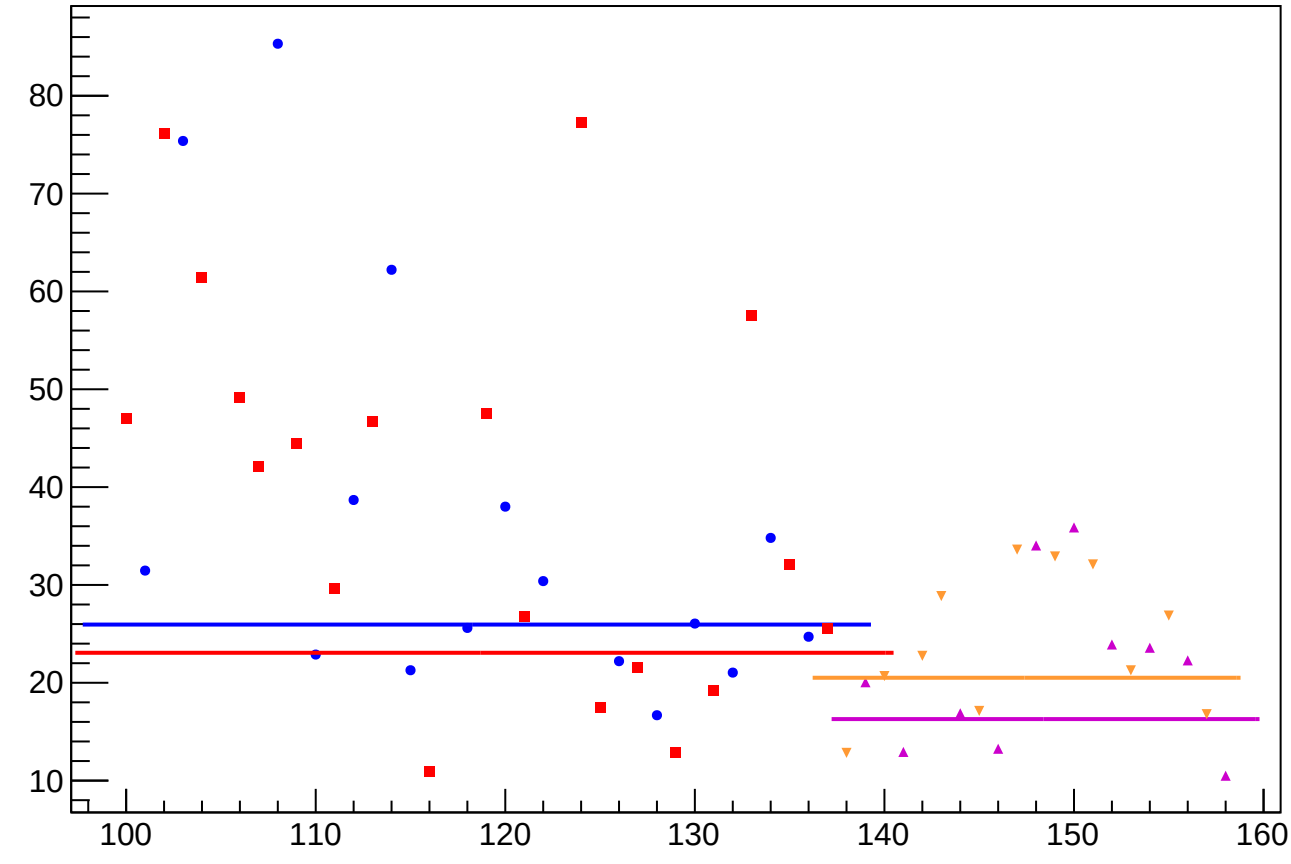
Left: 0.010+/-0.005 χ^2/NDF: 52.3/20

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.006 χ^2/NDF:23.5/25

Out: 0.011+/-0.006 χ^2/NDF:56.9/29

All: 0.004+/-0.004 χ^2/NDF: 83.0/55



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.513+/-0.006 χ^2/NDF:1357633.3/10

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.289+/-0.005 χ^2/NDF:1965275.1/9

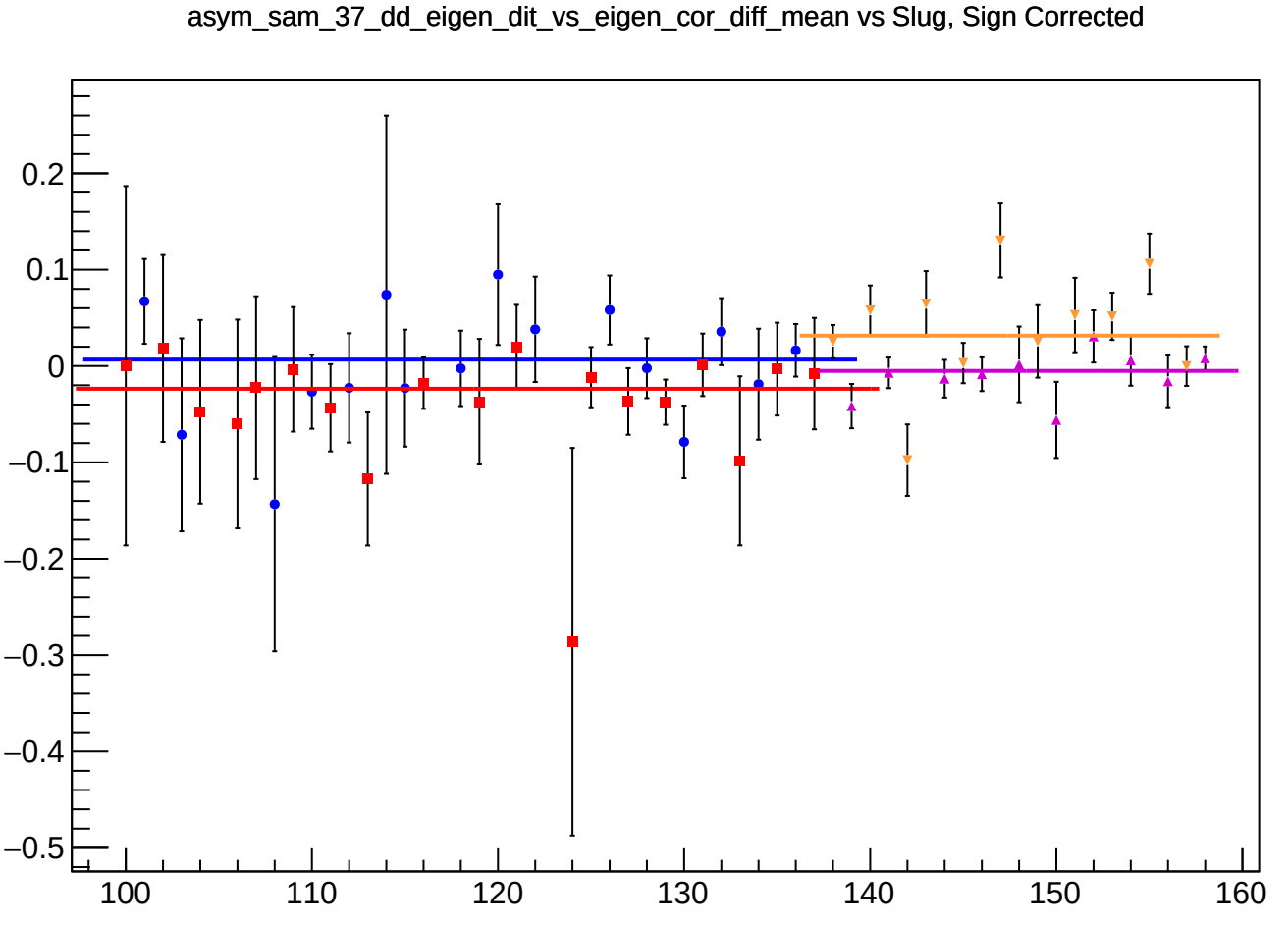
Left: 17.974+/-0.004 χ^2/NDF: 3663056.6/20

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 18.739+/-0.004 χ^2/NDF:4477699.8/25

Out: 21.442+/-0.004 χ^2/NDF:4793476.6/29

All: 19.922+/-0.003 χ^2/NDF: 9475901.2/55



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.006 χ^2/NDF:7.7/9

Left: 0.010+/-0.005 χ^2/NDF: 52.3/20

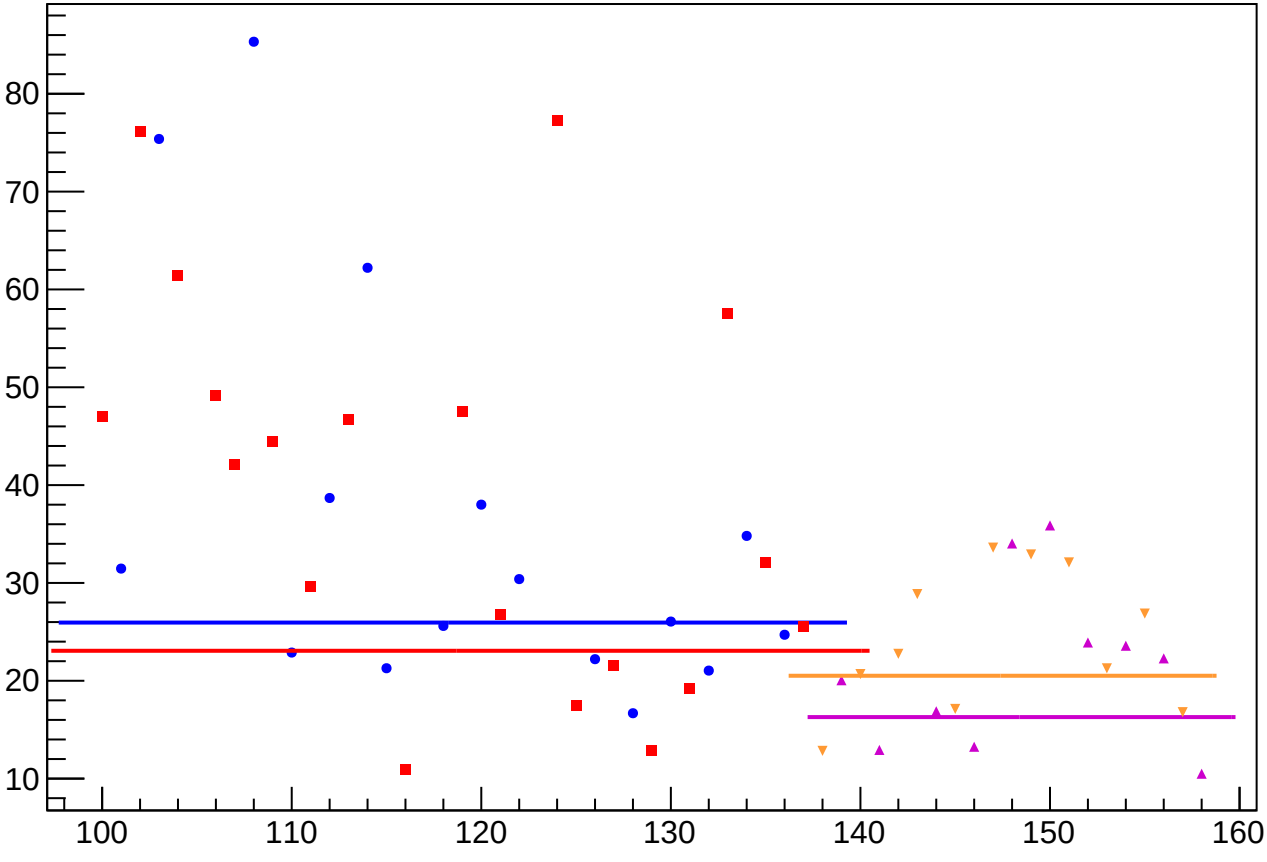
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.006 χ^2/NDF:23.5/25

Out: 0.011+/-0.006 χ^2/NDF:56.9/29

All: 0.004+/-0.004 χ^2/NDF: 83.0/55

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: 20.513+/-0.006 χ^2/NDF:1357633.3/10

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.289+/-0.005 χ^2/NDF:1965275.1/9

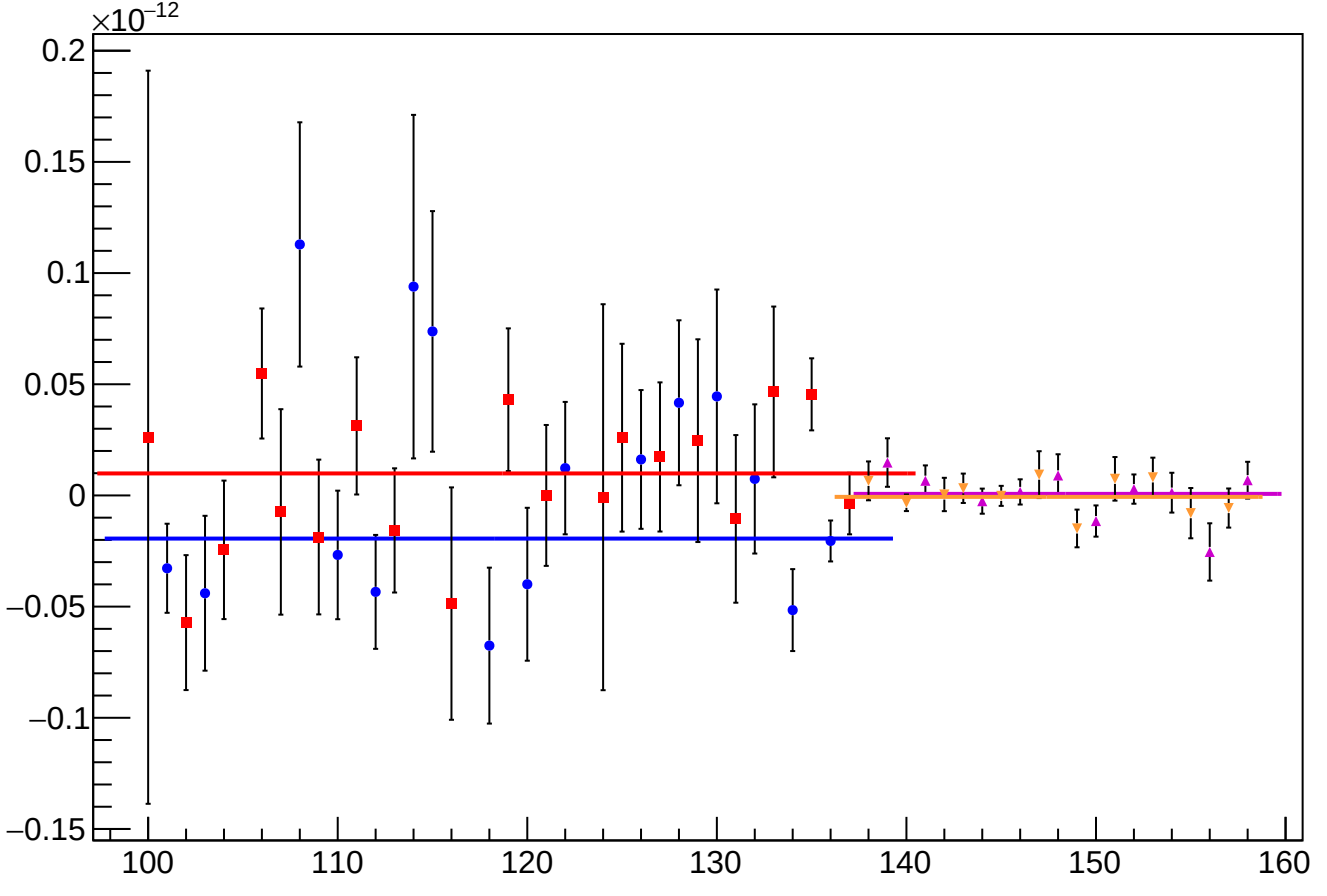
Left: 17.974+/-0.004 χ^2/NDF: 3663056.6/20

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 18.739+/-0.004 χ^2/NDF:4477699.8/25

Out: 21.442+/-0.004 χ^2/NDF:4793476.6/29

All: 19.922+/-0.003 χ^2/NDF: 9475901.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/9

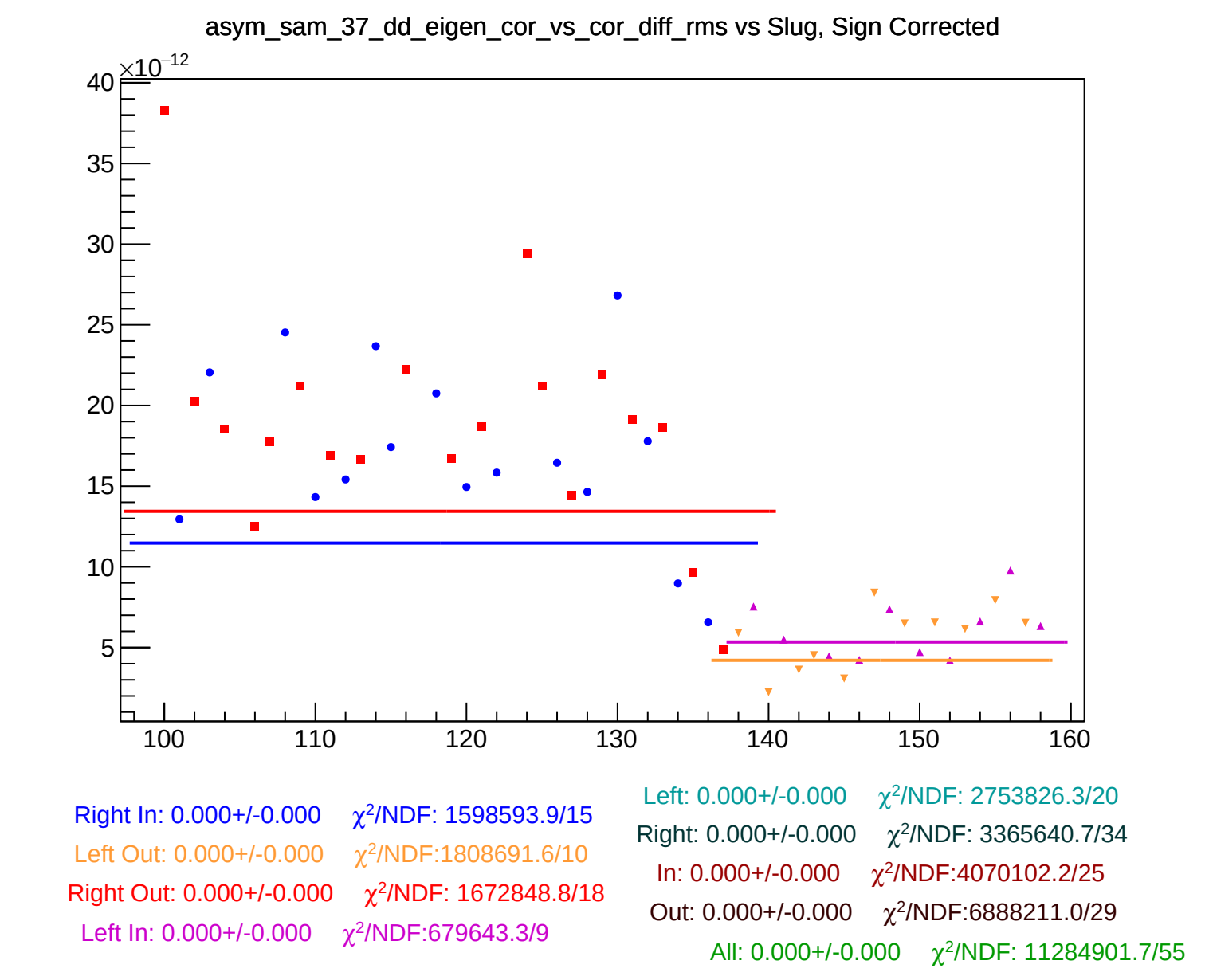
Left: -0.000+/-0.000 χ^2/NDF: 19.2/20

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:46.6/25

Out: 0.000+/-0.000 χ^2/NDF:30.2/29

All: -0.000+/-0.000 χ^2/NDF: 77.4/55


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
40
35
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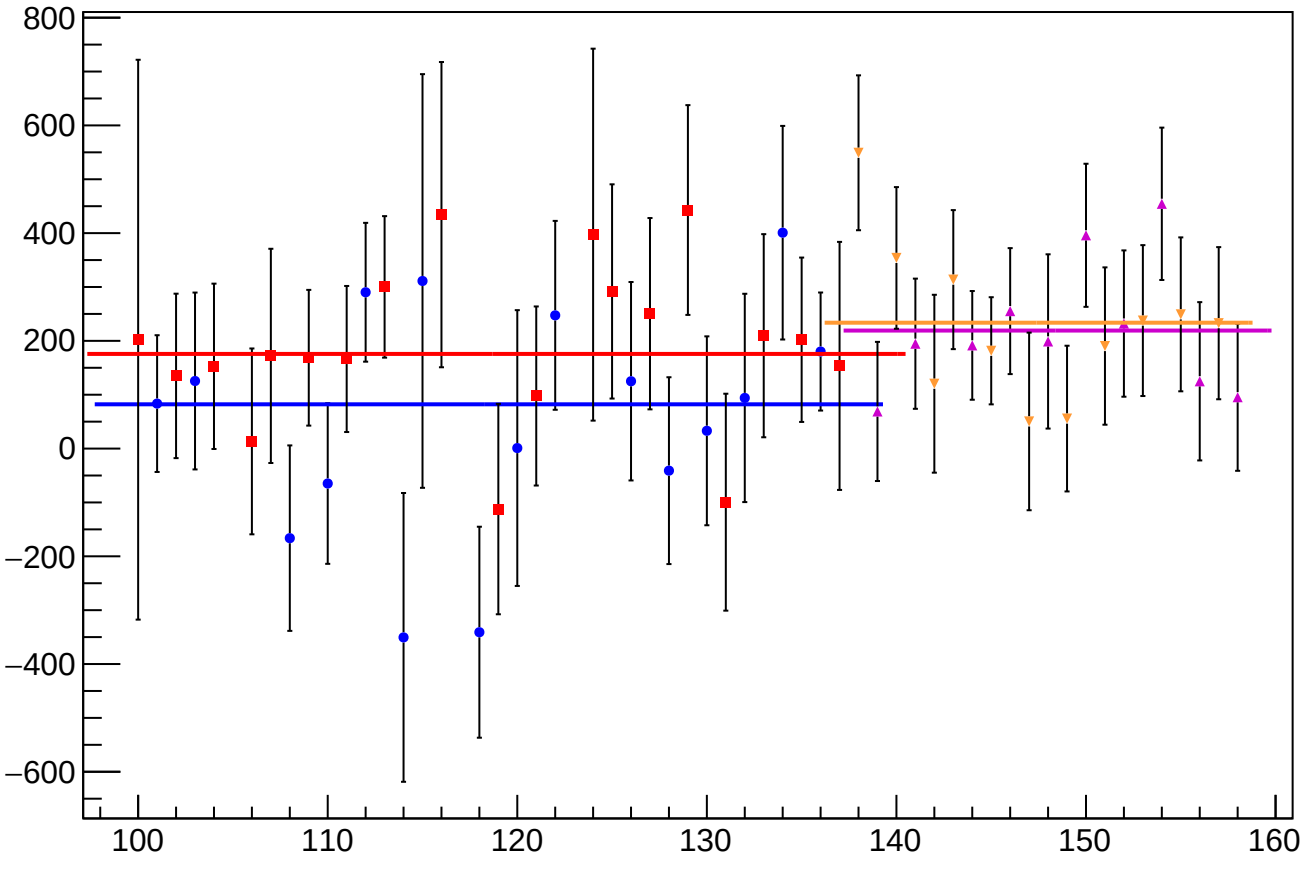
160
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1808691.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:679643.3/9
Left: 0.000+/-0.000 χ²/NDF: 2753826.3/20
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:4070102.2/25
Out: 0.000+/-0.000 χ²/NDF:6888211.0/29
All: 0.000+/-0.000 χ²/NDF: 11284901.7/55



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.701+/-41.086 χ^2/NDF:9.8/10

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 219.117+/-40.871 χ^2/NDF:7.4/9

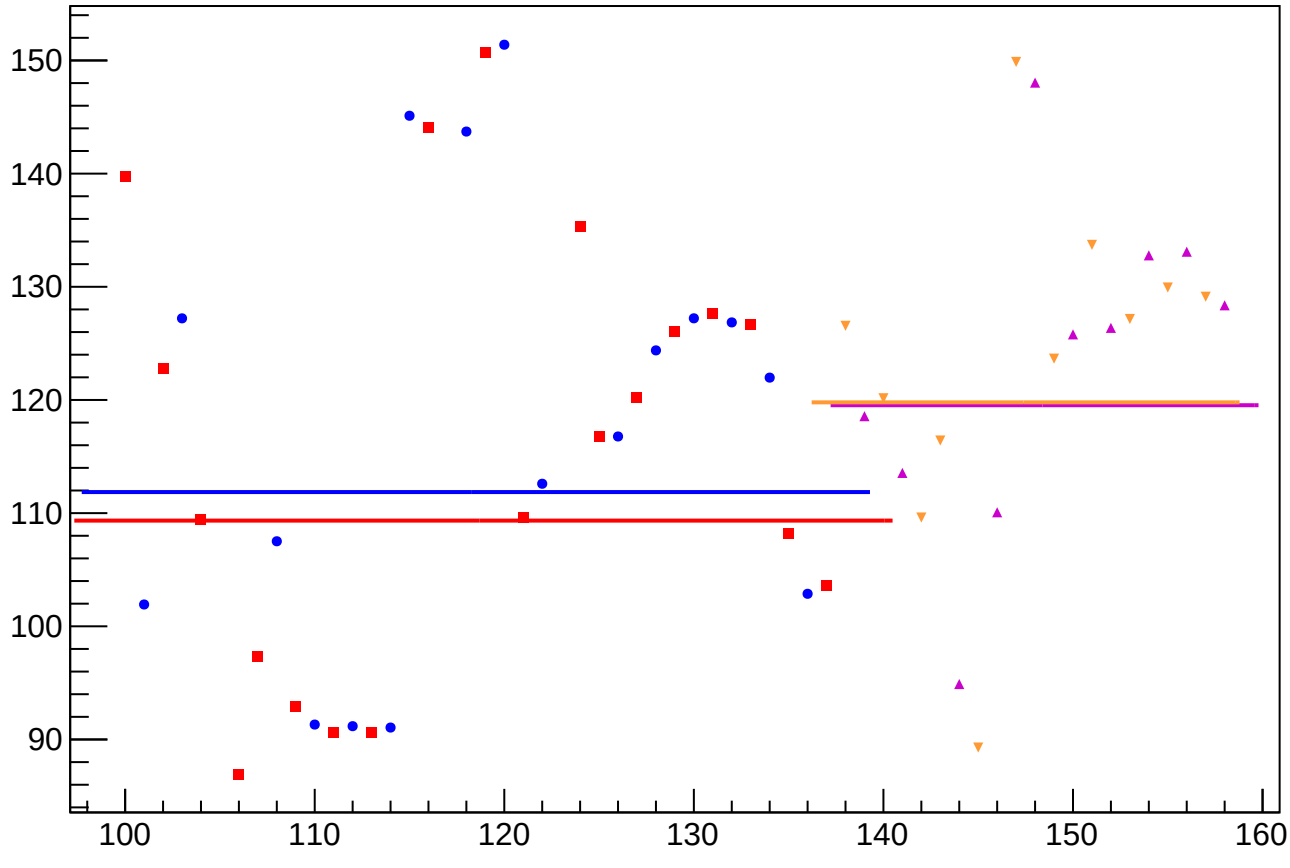
Left: 226.371+/-28.976 χ^2/NDF: 17.3/20

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 152.739+/-29.336 χ^2/NDF:31.2/25

Out: 204.424+/-28.905 χ^2/NDF:20.7/29

All: 178.964+/-20.590 χ^2/NDF: 53.5/55



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 119.789+/-0.029 χ^2/NDF:312249.7/10

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

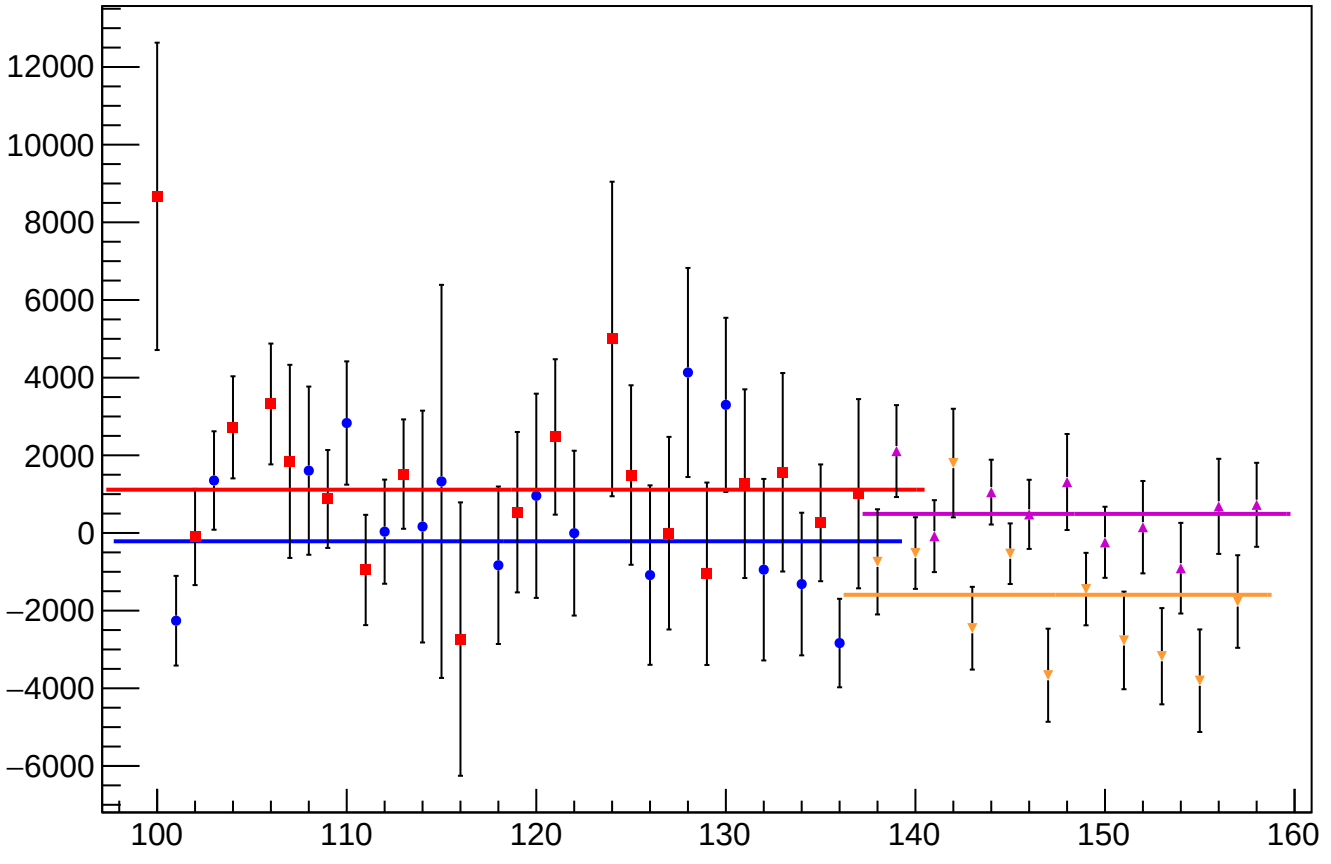
Left: 119.662+/-0.020 χ^2/NDF: 564107.6/20

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 115.815+/-0.021 χ^2/NDF:592019.4/25

Out: 114.512+/-0.020 χ^2/NDF:744800.5/29

All: 115.154+/-0.015 χ^2/NDF: 1338823.2/55



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1591.962+/-330.437 χ^2/NDF:18.5/10

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 491.663+/-326.388 χ^2/NDF:5.4/9

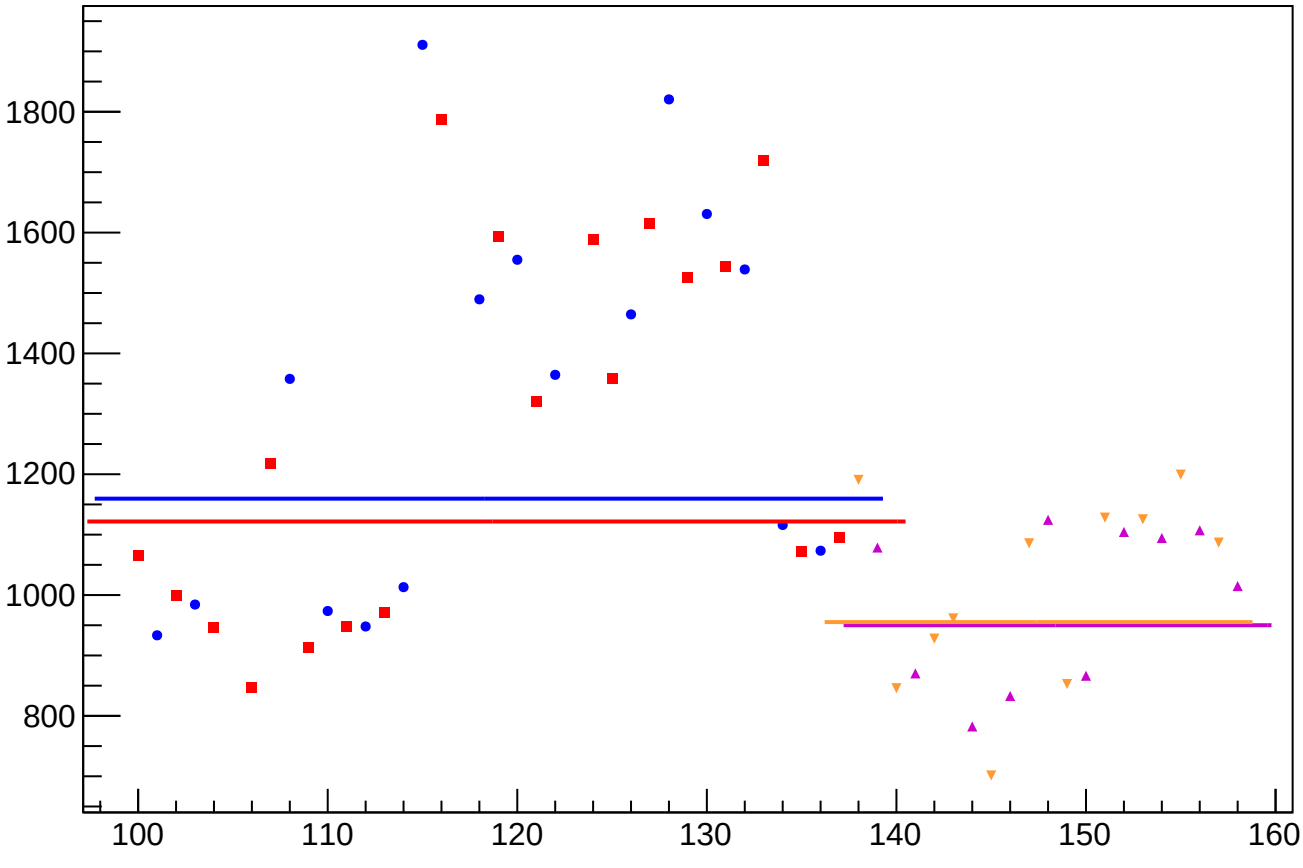
Left: -537.305+/-232.210 χ^2/NDF: 44.0/20

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 244.015+/-262.970 χ^2/NDF:27.5/25

Out: -566.328+/-260.411 χ^2/NDF:58.4/29

All: -165.119+/-185.037 χ^2/NDF: 90.7/55



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 955.261+/-0.234 χ^2/NDF:517127.9/10

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 950.064+/-0.231 χ^2/NDF:314655.7/9

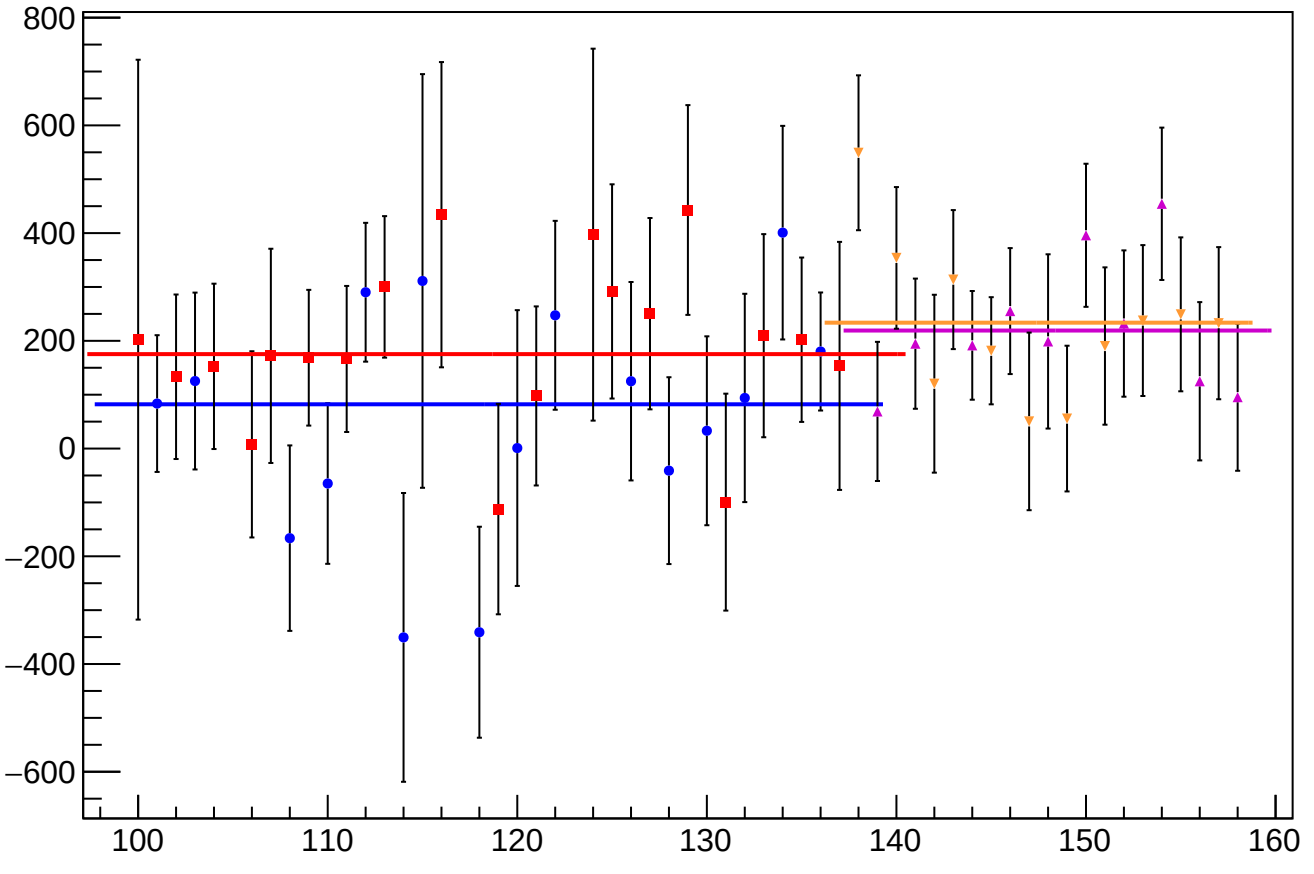
Left: 952.630+/-0.164 χ^2/NDF: 832033.9/20

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1023.568+/-0.186 χ^2/NDF:1287458.6/25

Out: 1018.349+/-0.184 χ^2/NDF:1491795.2/29

All: 1020.933+/-0.131 χ^2/NDF: 2779651.5/55



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.705+/-41.086 χ^2/NDF:9.8/10

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 219.120+/-40.871 χ^2/NDF:7.4/9

Left: 226.375+/-28.976 χ^2/NDF: 17.3/20

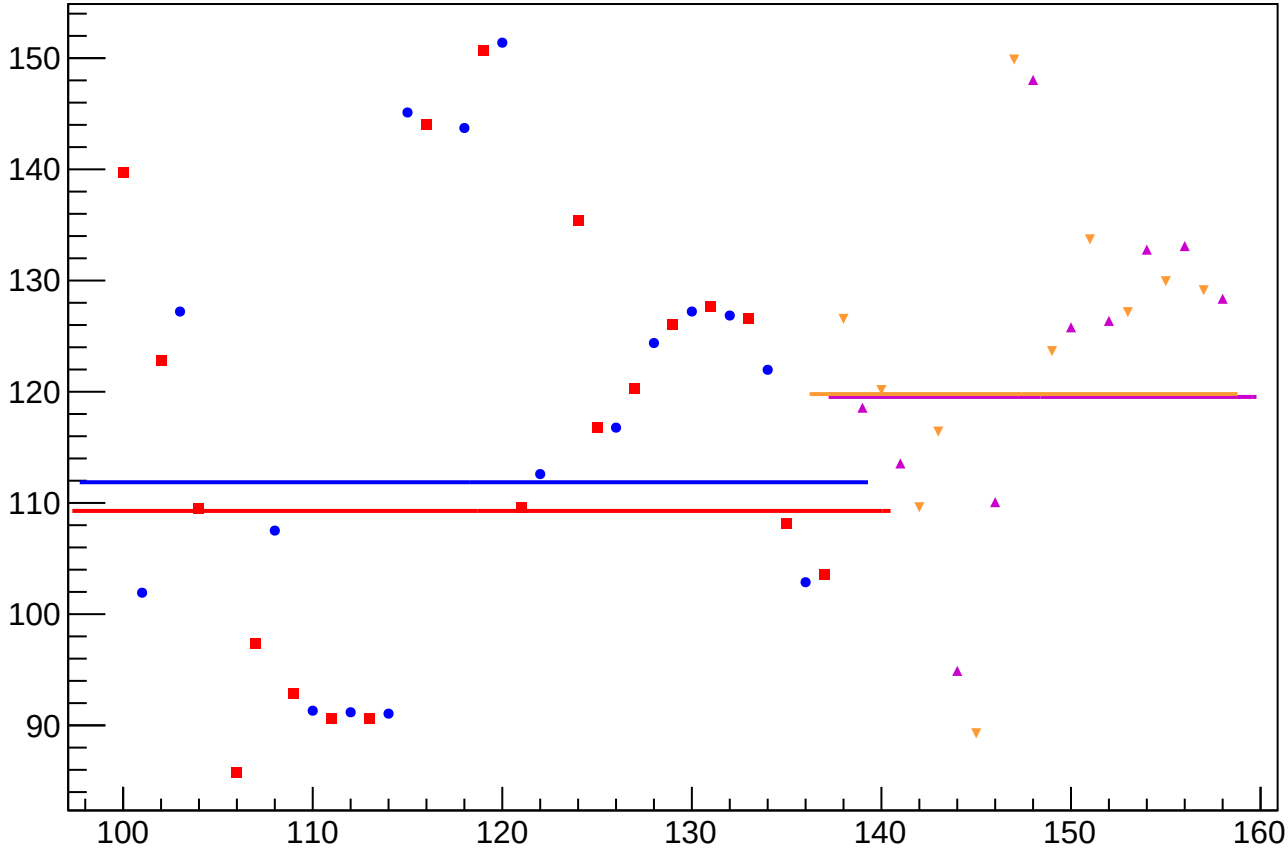
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 152.735+/-29.336 χ^2/NDF:31.2/25

Out: 204.231+/-28.907 χ^2/NDF:20.8/29

All: 178.862+/-20.590 χ^2/NDF: 53.5/55

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 119.789+/-0.029 χ^2/NDF:312249.7/10

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

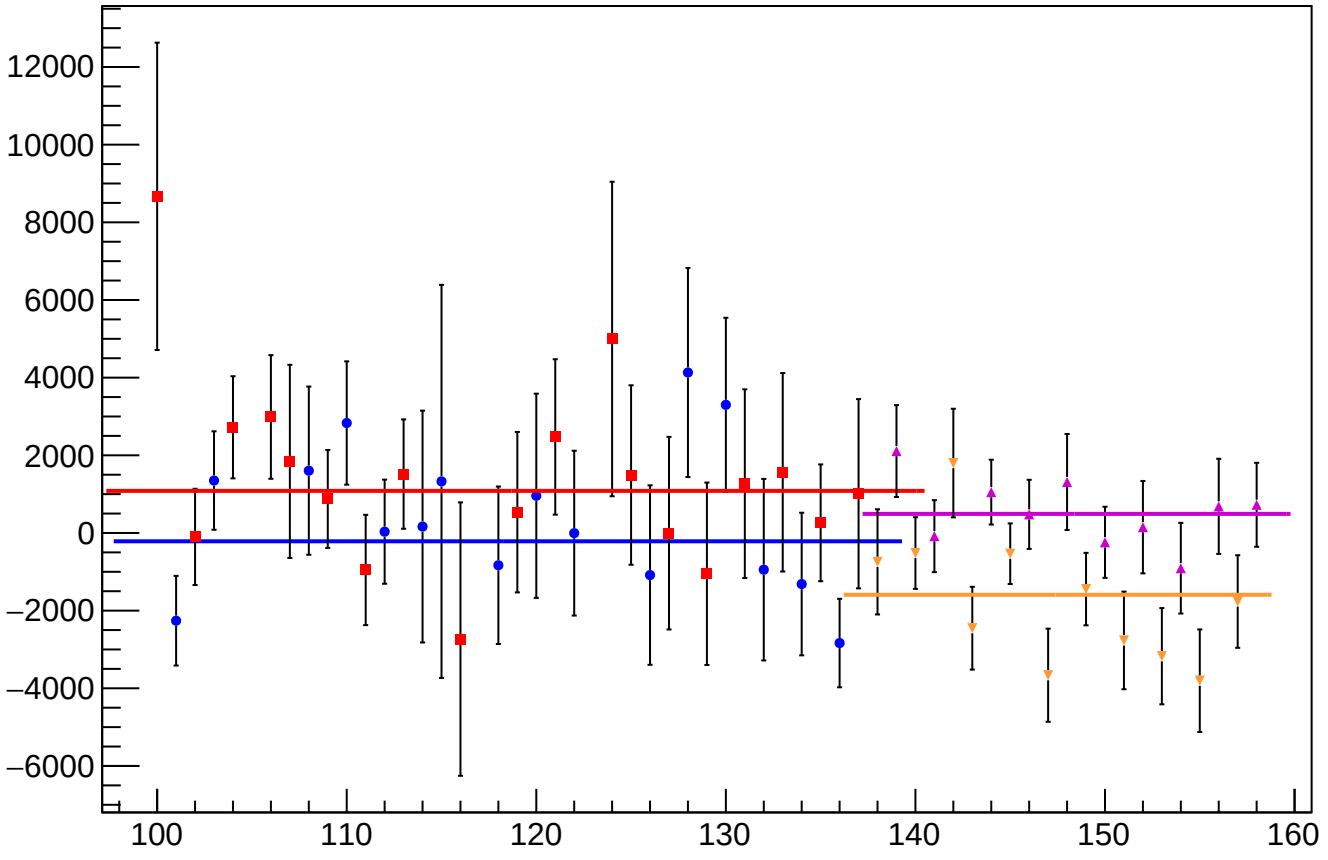
Left: 119.662+/-0.020 χ^2/NDF: 564107.6/20

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 115.815+/-0.021 χ^2/NDF:592020.3/25

Out: 114.484+/-0.020 χ^2/NDF:748987.0/29

All: 115.140+/-0.015 χ^2/NDF: 1343096.4/55



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1591.959+/-330.437 χ^2/NDF:18.5/10

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 491.670+/-326.388 χ^2/NDF:5.4/9

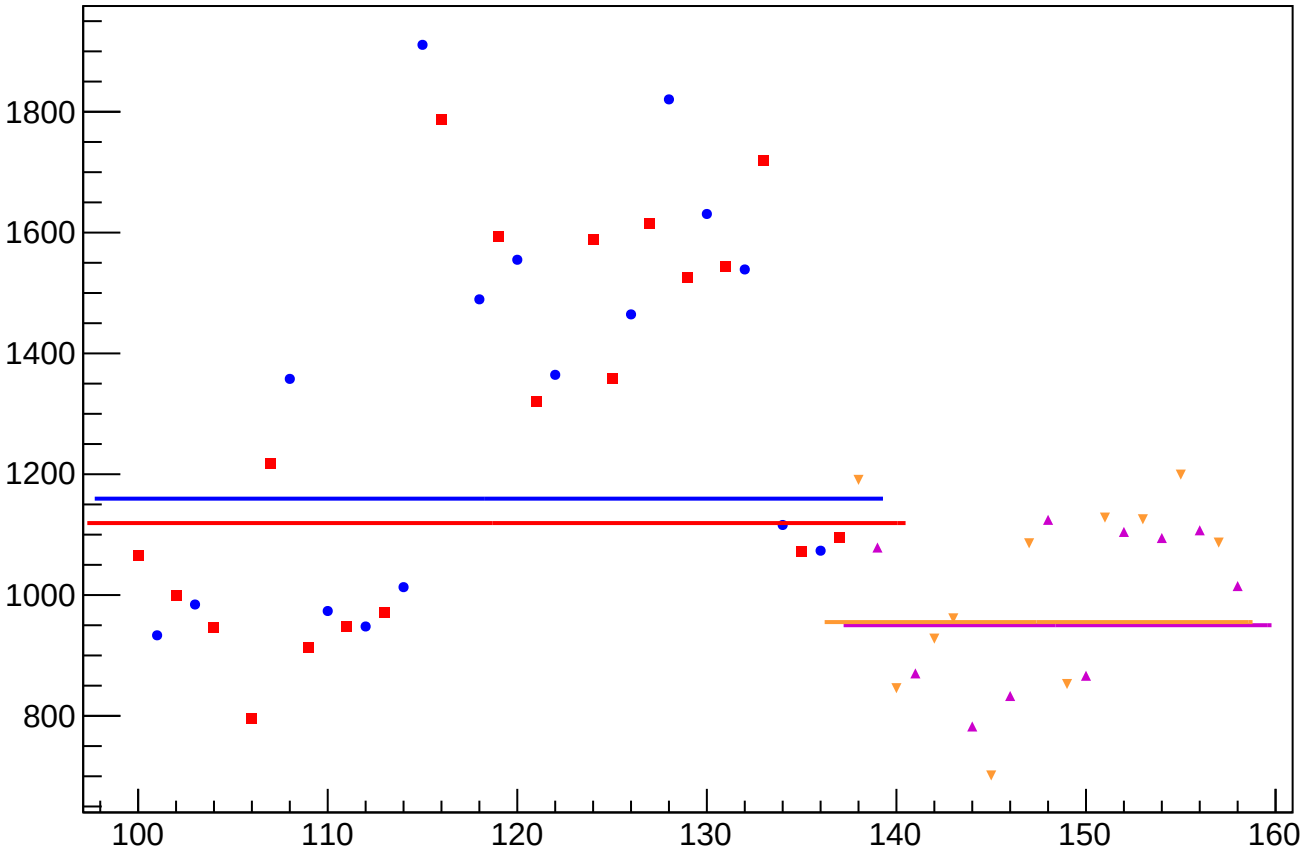
Left: -537.301+/-232.210 χ^2/NDF: 44.0/20

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 243.990+/-262.971 χ^2/NDF:27.5/25

Out: -580.168+/-260.582 χ^2/NDF:57.2/29

All: -171.850+/-185.098 χ^2/NDF: 89.6/55



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.261+/-0.234 χ^2/NDF:517129.8/10

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 950.064+/-0.231 χ^2/NDF:314653.3/9

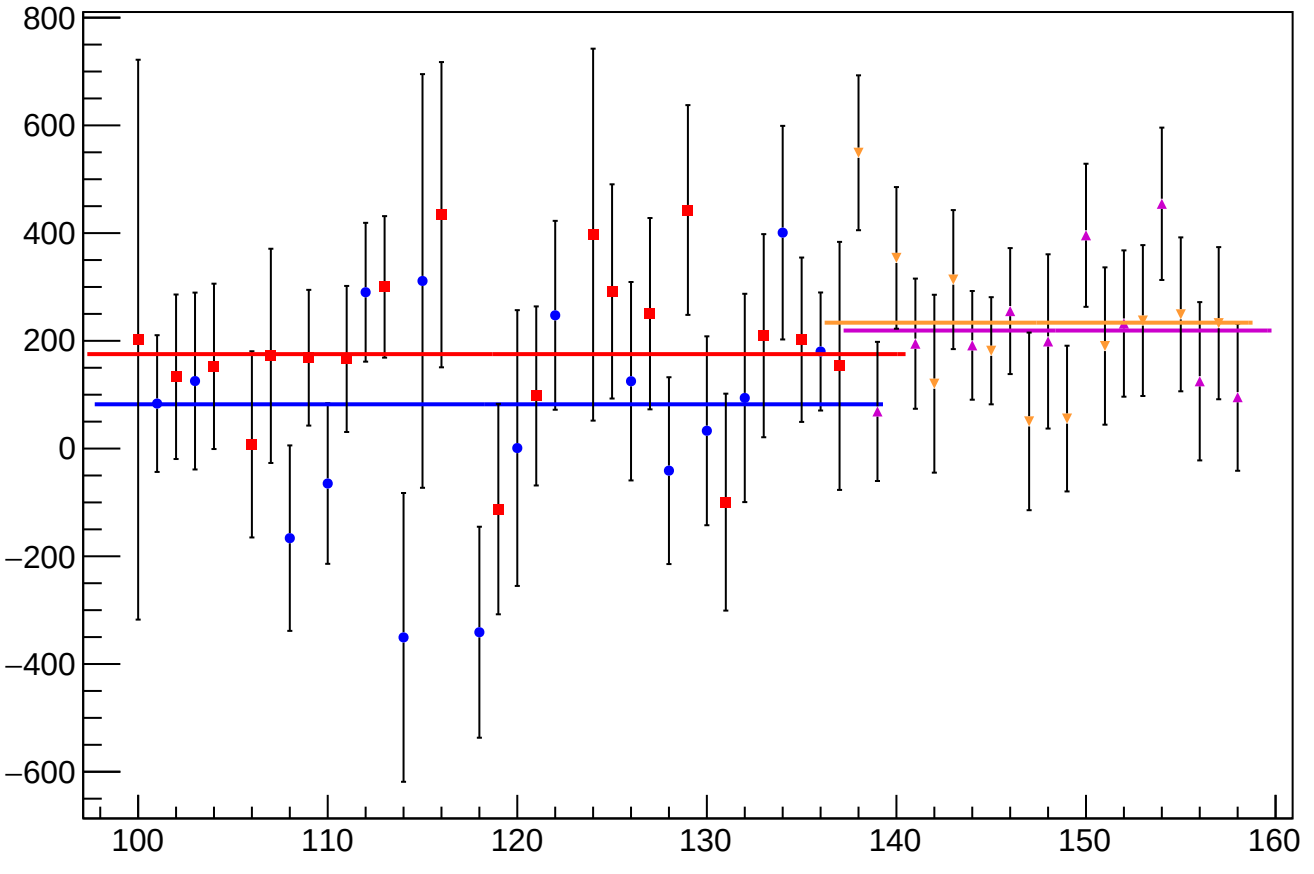
Left: 952.630+/-0.164 χ^2/NDF: 832033.4/20

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1023.571+/-0.186 χ^2/NDF:1287447.8/25

Out: 1017.231+/-0.184 χ^2/NDF:1506323.7/29

All: 1020.372+/-0.131 χ^2/NDF: 2794358.0/55



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.705+/-41.086 χ^2/NDF:9.8/10

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 219.120+/-40.871 χ^2/NDF:7.4/9

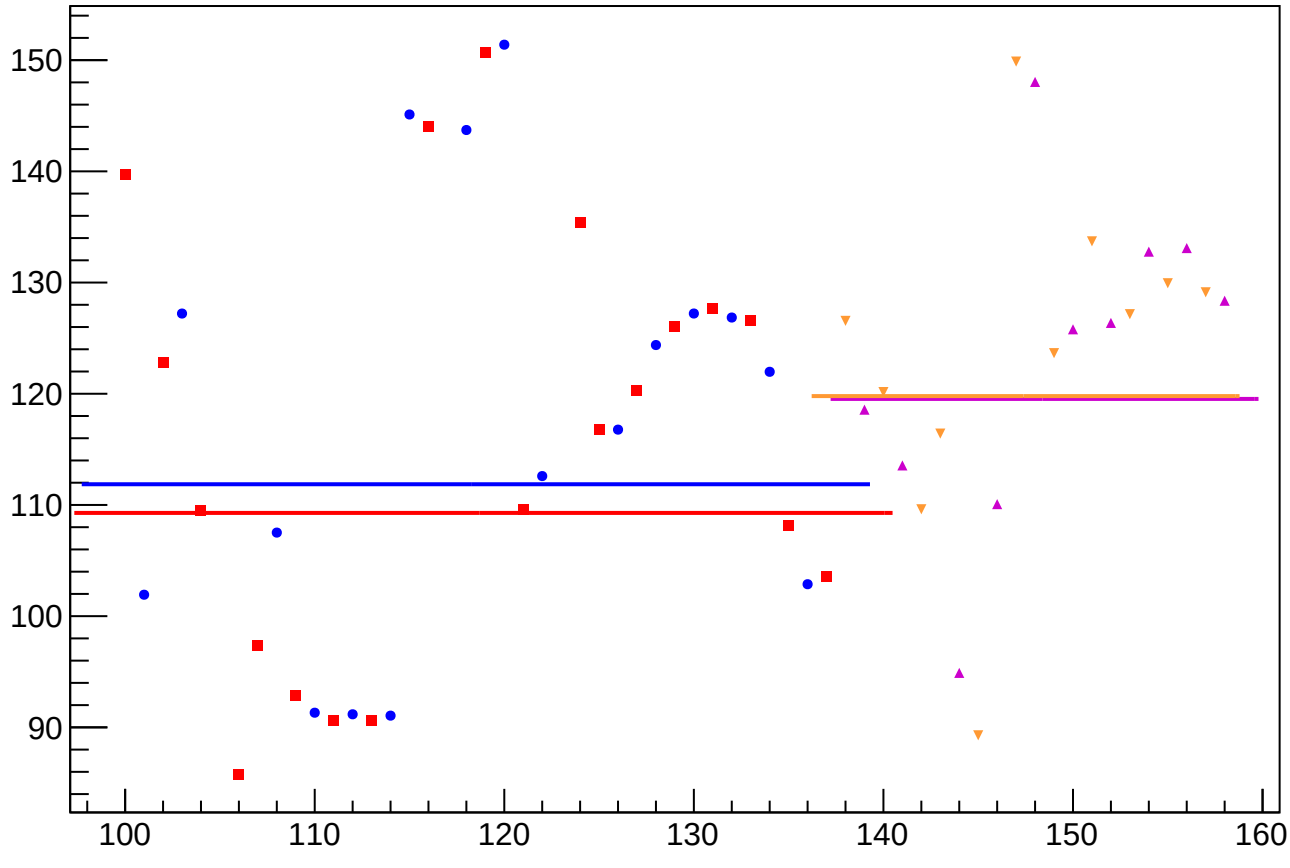
Left: 226.375+/-28.976 χ^2/NDF: 17.3/20

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 152.735+/-29.336 χ^2/NDF:31.2/25

Out: 204.231+/-28.907 χ^2/NDF:20.8/29

All: 178.862+/-20.590 χ^2/NDF: 53.5/55



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 119.789+/-0.029 χ^2/NDF:312249.7/10

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

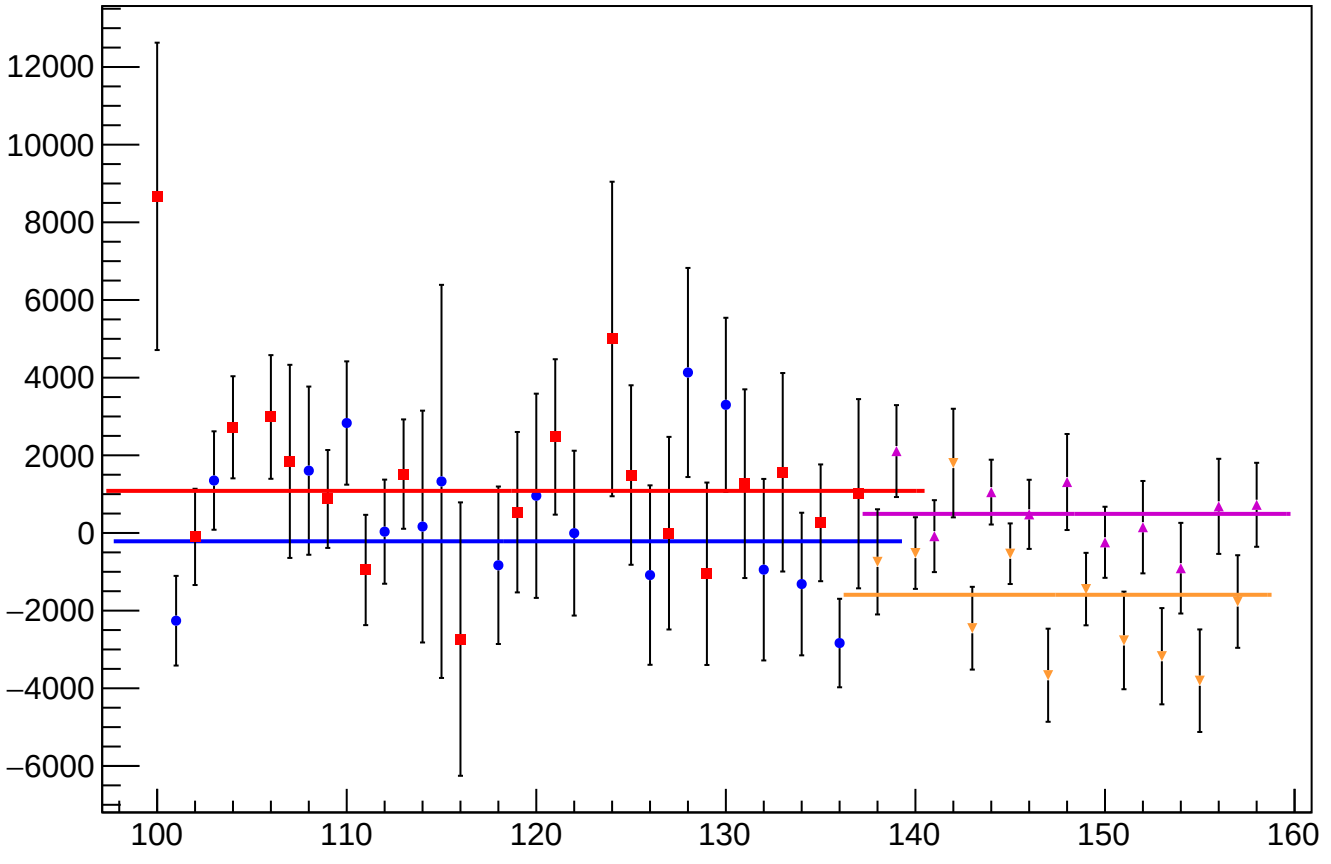
Left: 119.662+/-0.020 χ^2/NDF: 564107.6/20

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 115.815+/-0.021 χ^2/NDF:592020.3/25

Out: 114.484+/-0.020 χ^2/NDF:748987.0/29

All: 115.140+/-0.015 χ^2/NDF: 1343096.4/55



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1591.959+/-330.437 χ^2/NDF:18.5/10

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 491.670+/-326.388 χ^2/NDF:5.4/9

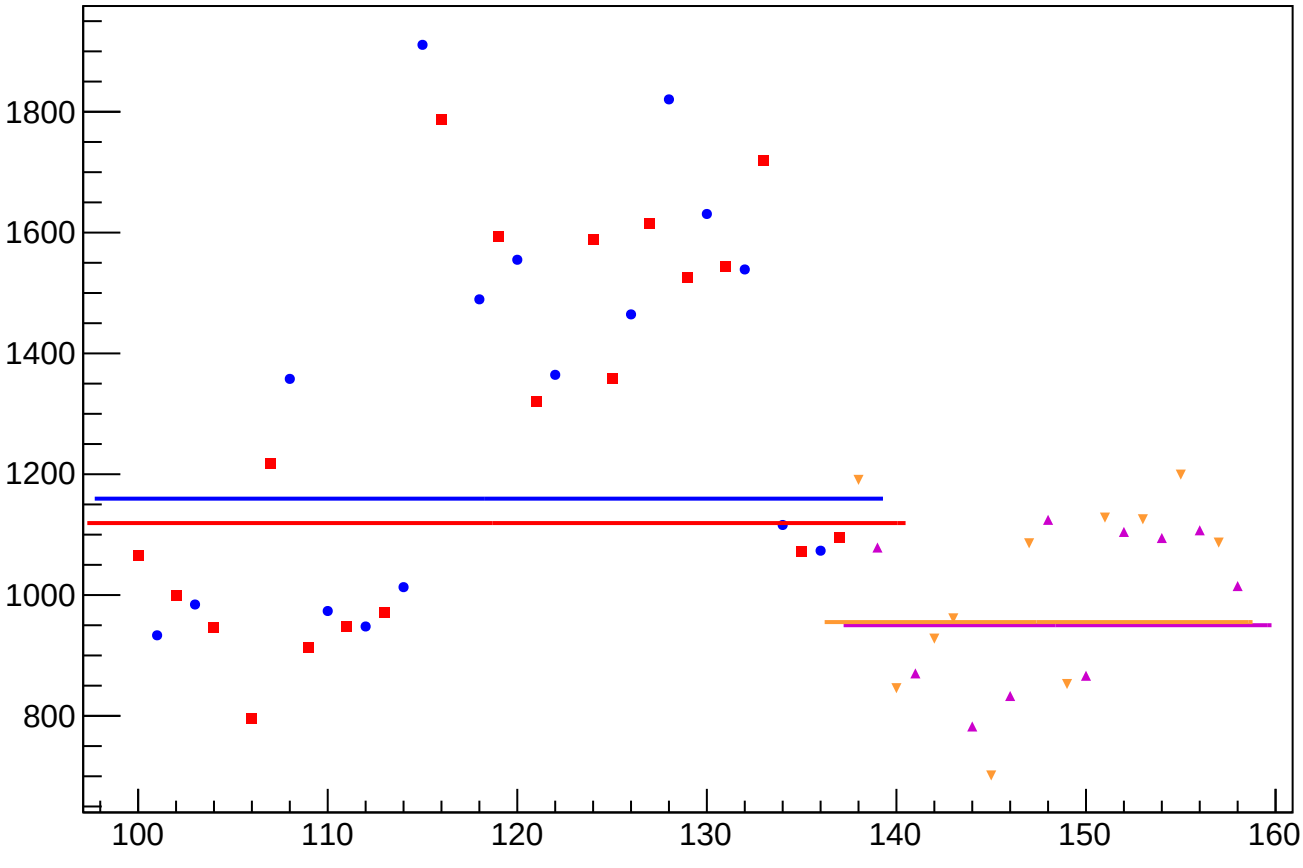
Left: -537.301+/-232.210 χ^2/NDF: 44.0/20

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 243.990+/-262.971 χ^2/NDF:27.5/25

Out: -580.168+/-260.582 χ^2/NDF:57.2/29

All: -171.850+/-185.098 χ^2/NDF: 89.6/55



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.261+/-0.234 χ^2/NDF:517129.8/10

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 950.064+/-0.231 χ^2/NDF:314653.3/9

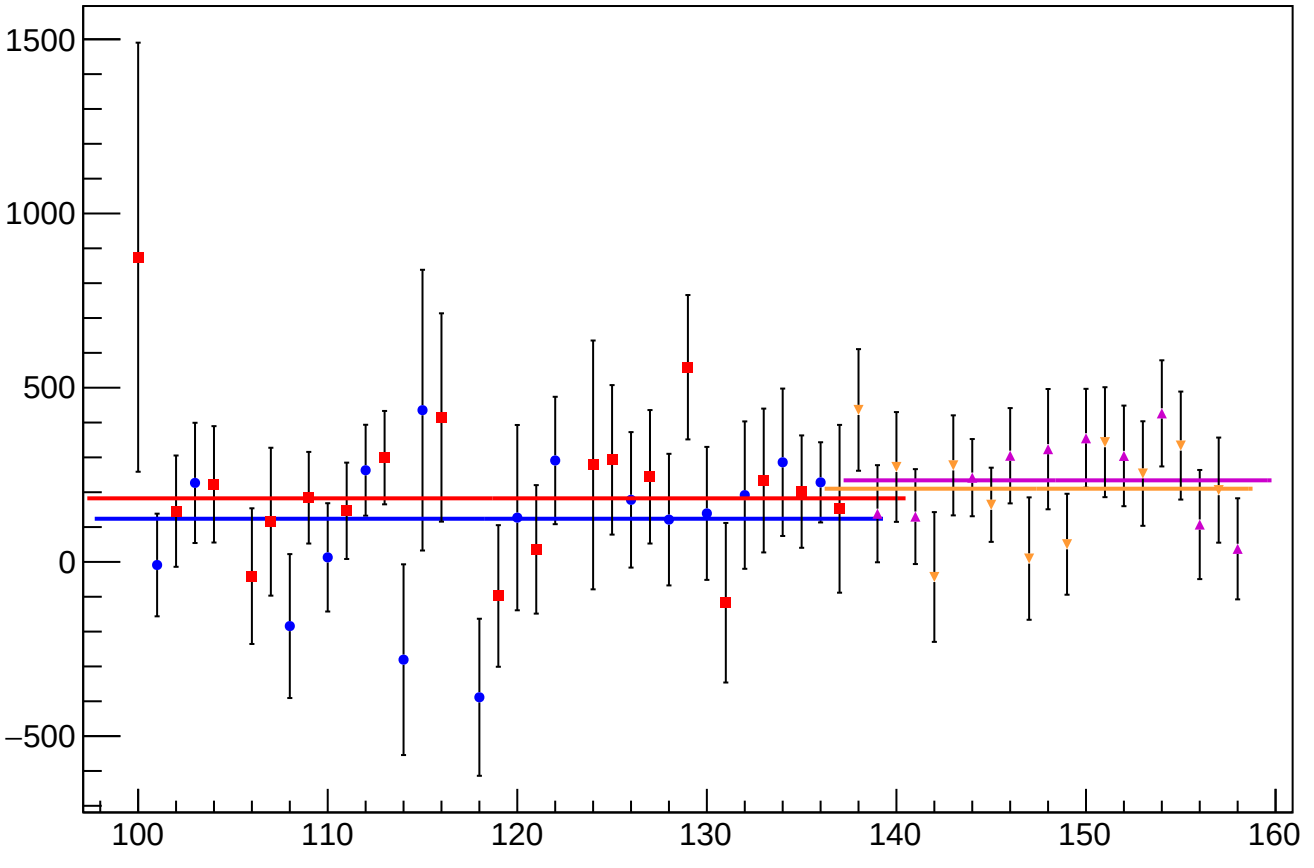
Left: 952.630+/-0.164 χ^2/NDF: 832033.4/20

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1023.571+/-0.186 χ^2/NDF:1287447.8/25

Out: 1017.231+/-0.184 χ^2/NDF:1506323.7/29

All: 1020.372+/-0.131 χ^2/NDF: 2794358.0/55



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.086+/-45.226 χ^2/NDF:8.0/10

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 234.131+/-44.595 χ^2/NDF:6.6/9

Left: 222.277+/-31.754 χ^2/NDF: 14.8/20

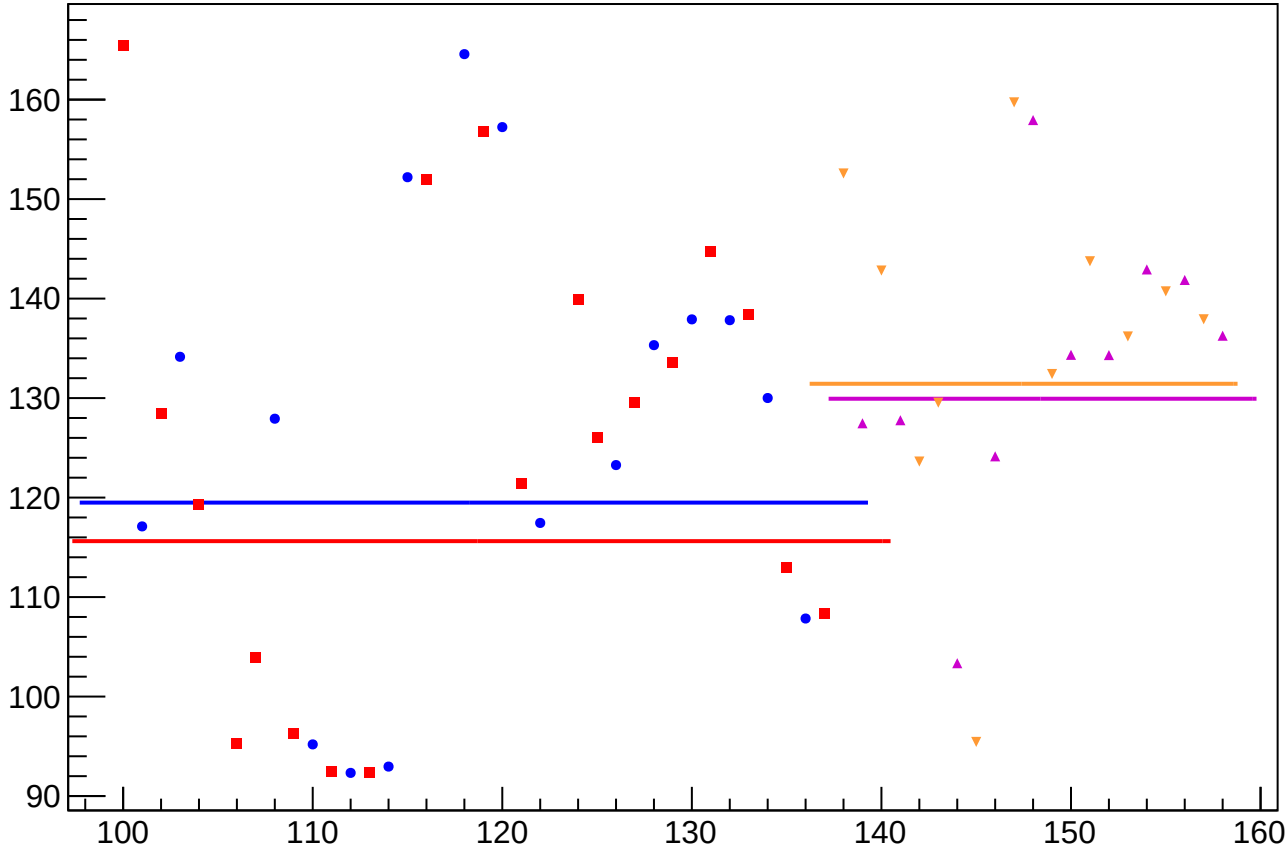
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 179.800+/-31.758 χ^2/NDF:25.1/25

Out: 195.652+/-31.248 χ^2/NDF:20.5/29

All: 187.855+/-22.274 χ^2/NDF: 45.7/55

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 131.439+/-0.032 χ^2/NDF:349284.2/10

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 129.934+/-0.032 χ^2/NDF:206236.7/9

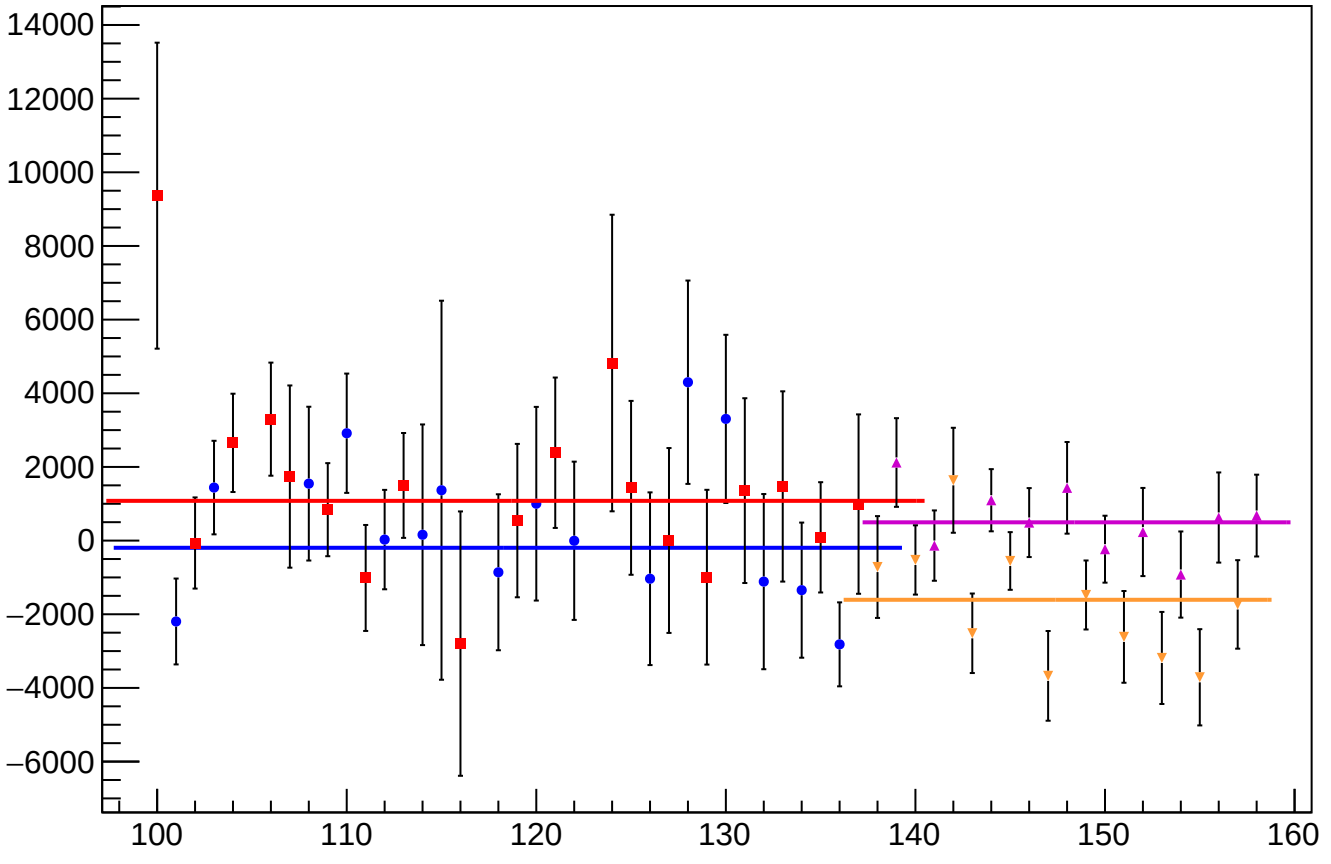
Left: 130.676+/-0.022 χ^2/NDF: 556642.6/20

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 124.789+/-0.022 χ^2/NDF:640506.4/25

Out: 123.172+/-0.022 χ^2/NDF:904090.5/29

All: 123.968+/-0.016 χ^2/NDF: 1547230.4/55



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1607.072+/-333.125 χ^2/NDF:17.2/10

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 496.205+/-331.590 χ^2/NDF:5.5/9

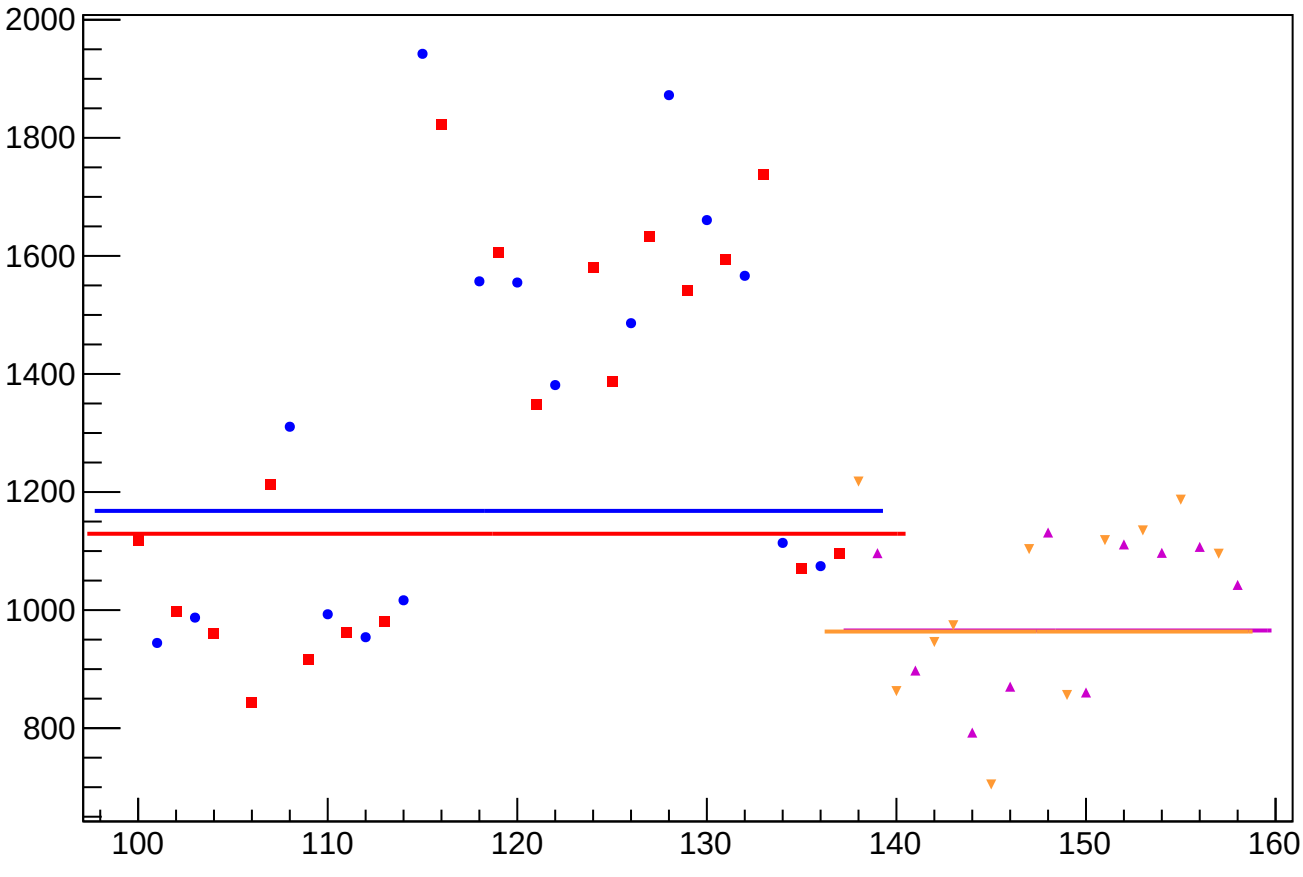
Left: -550.576+/-235.011 χ^2/NDF: 42.7/20

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 251.062+/-266.386 χ^2/NDF:27.5/25

Out: -587.517+/-262.406 χ^2/NDF:56.4/29

All: -174.539+/-186.940 χ^2/NDF: 88.9/55



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 963.674+/-0.236 χ^2/NDF:513522.5/10

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 965.454+/-0.234 χ^2/NDF:292126.3/9

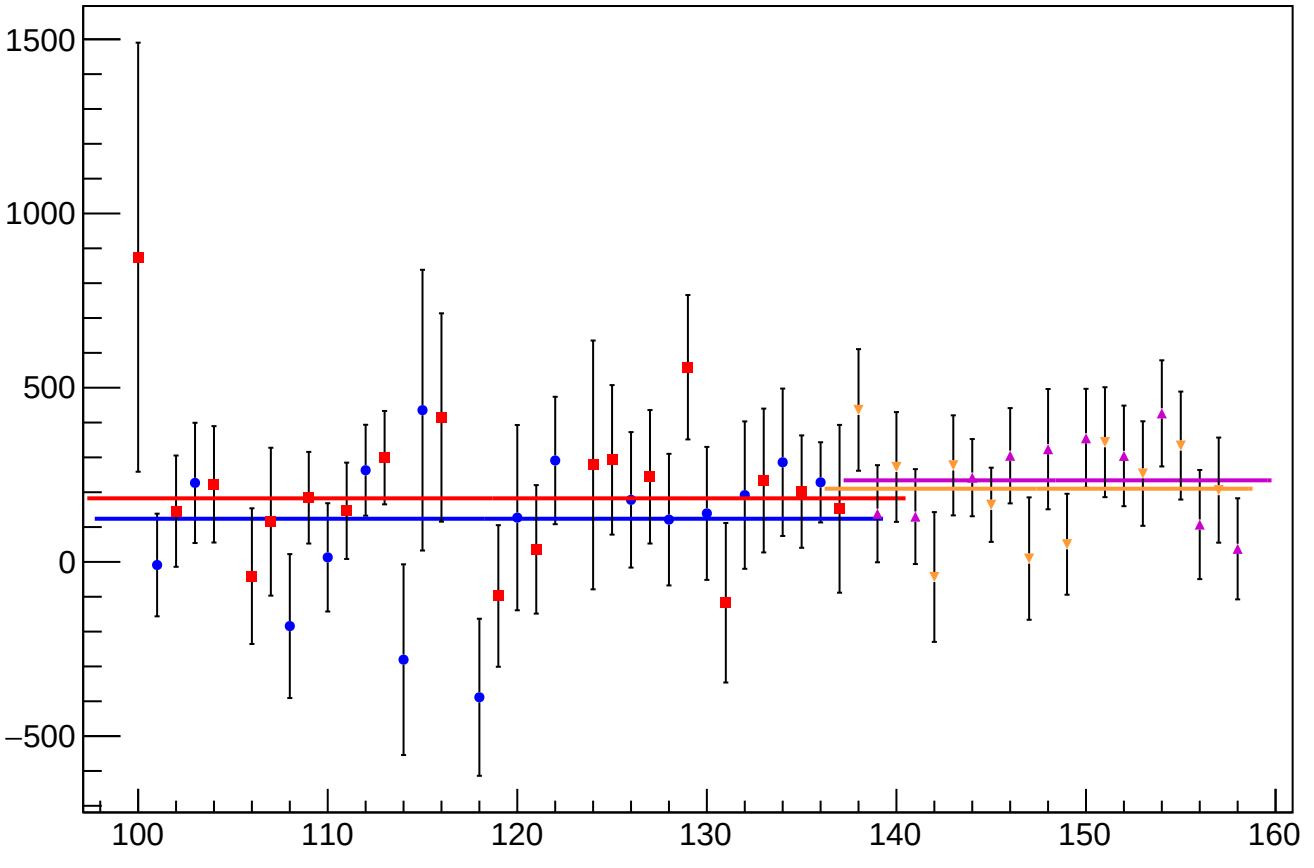
Left: 964.568+/-0.166 χ^2/NDF: 805677.5/20

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1037.302+/-0.188 χ^2/NDF:1266279.7/25

Out: 1026.538+/-0.186 χ^2/NDF:1508411.3/29

All: 1031.839+/-0.132 χ^2/NDF: 2776348.5/55



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.087+/-45.226 χ^2/NDF:8.0/10

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 234.132+/-44.595 χ^2/NDF:6.6/9

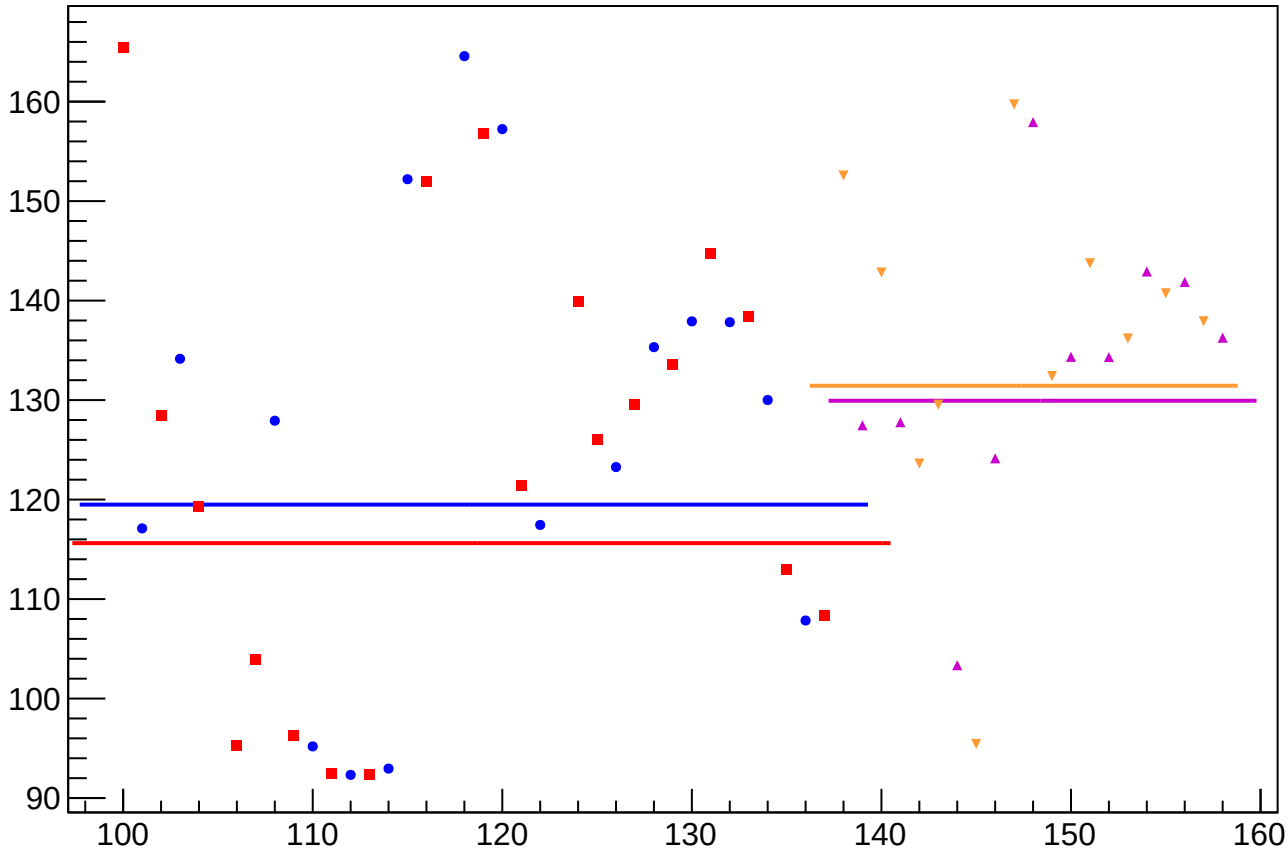
Left: 222.278+/-31.754 χ^2/NDF: 14.8/20

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 179.802+/-31.758 χ^2/NDF:25.1/25

Out: 195.653+/-31.248 χ^2/NDF:20.5/29

All: 187.856+/-22.274 χ^2/NDF: 45.7/55



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 131.439+/-0.032 χ^2/NDF:349282.4/10

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 129.934+/-0.032 χ^2/NDF:206235.3/9

Left: 130.676+/-0.022 χ^2/NDF: 556639.4/20

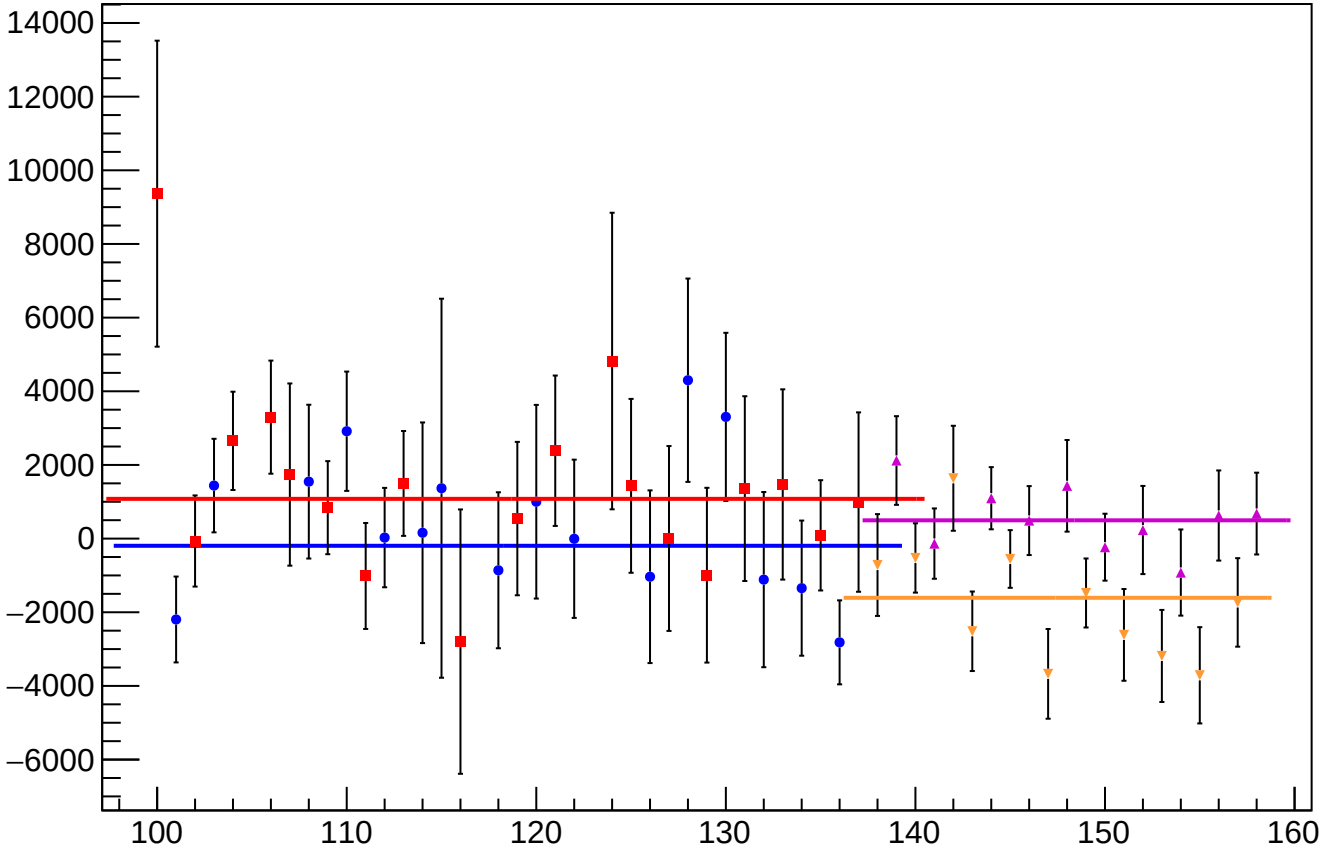
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 124.789+/-0.022 χ^2/NDF:640509.0/25

Out: 123.172+/-0.022 χ^2/NDF:904095.0/29

All: 123.968+/-0.016 χ^2/NDF: 1547237.6/55

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1607.070+/-333.125 χ^2/NDF:17.2/10

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 496.205+/-331.590 χ^2/NDF:5.5/9

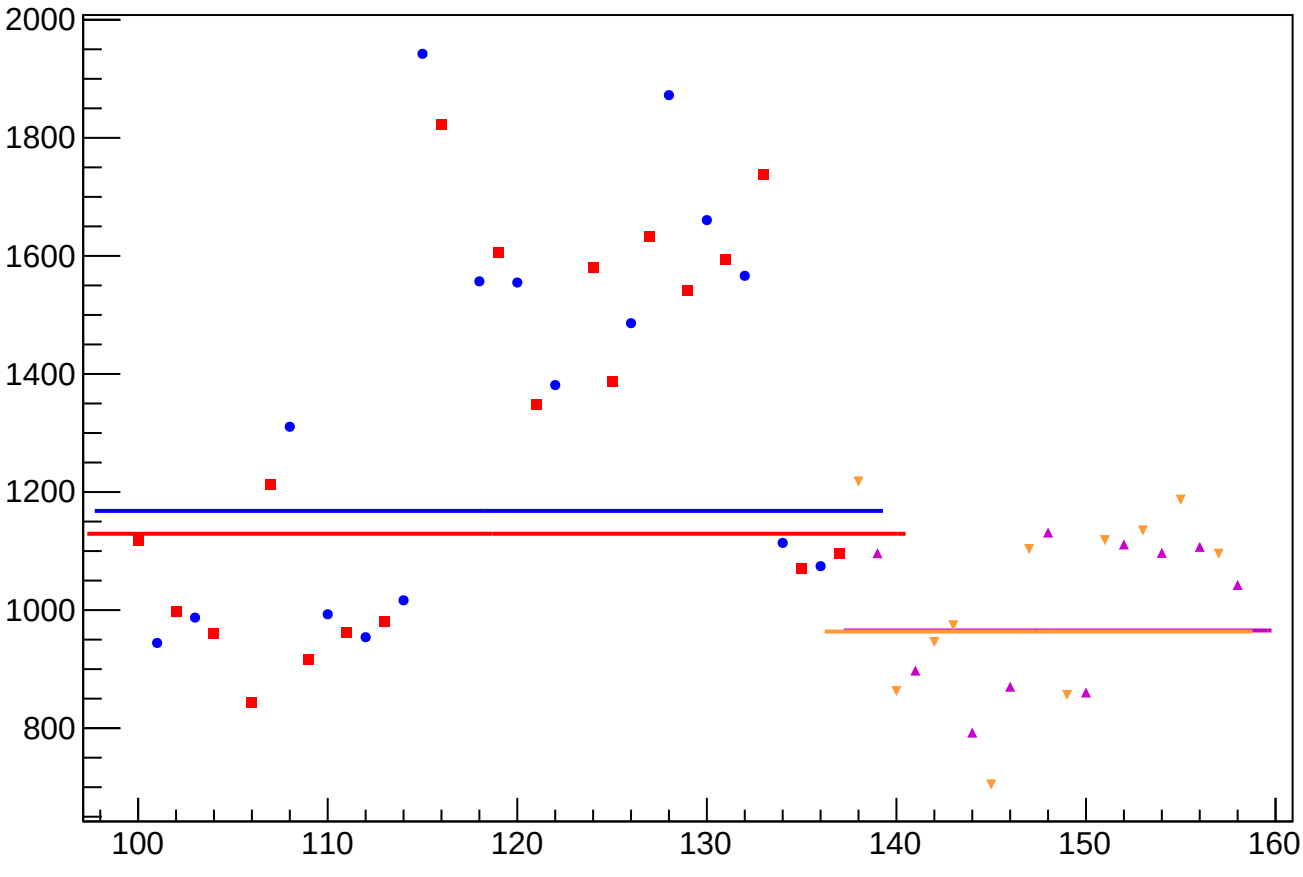
Left: -550.576+/-235.011 χ^2/NDF: 42.7/20

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 251.062+/-266.386 χ^2/NDF:27.5/25

Out: -587.517+/-262.406 χ^2/NDF:56.4/29

All: -174.539+/-186.940 χ^2/NDF: 88.9/55



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 963.673+/-0.236 χ^2/NDF:513525.7/10

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 965.454+/-0.234 χ^2/NDF:292124.3/9

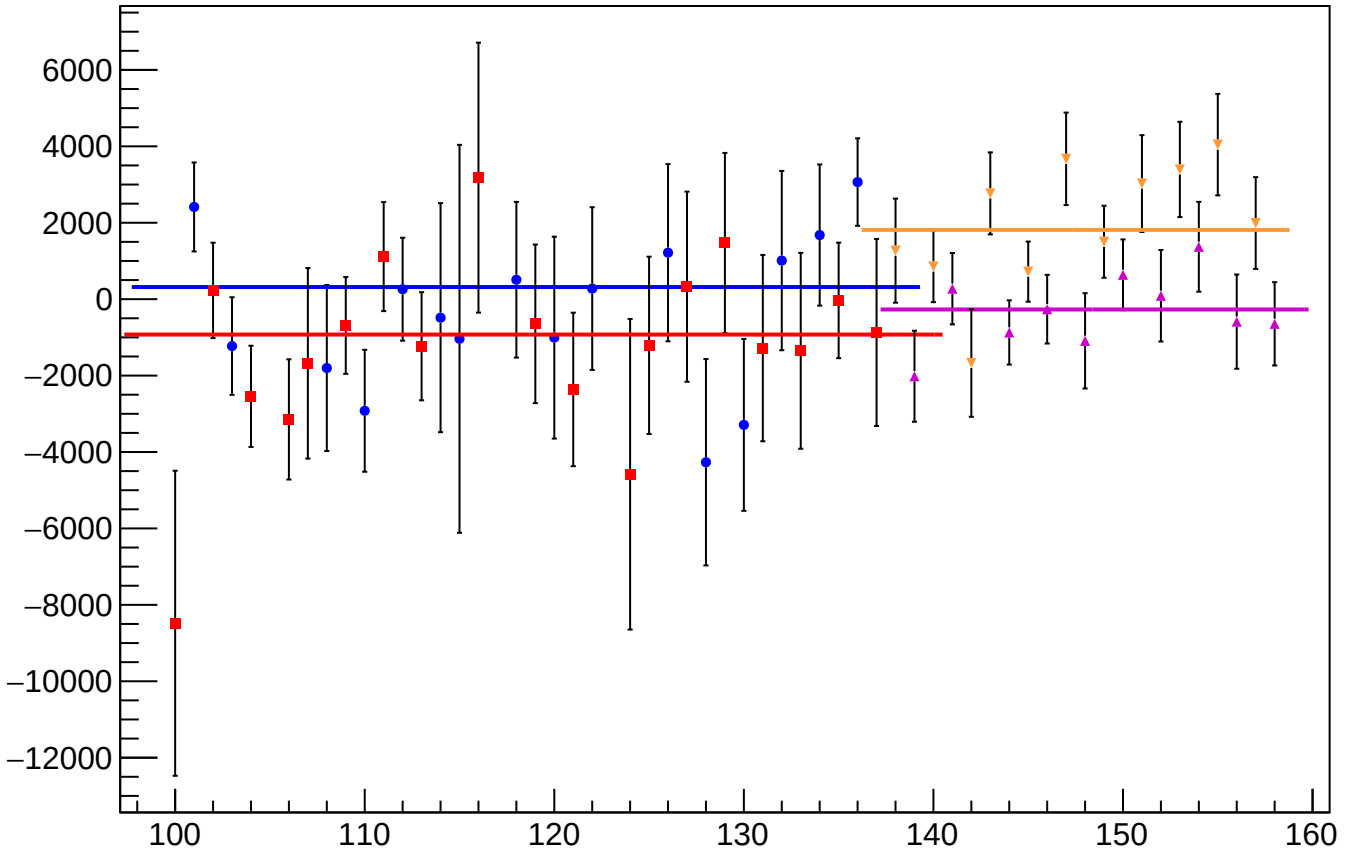
Left: 964.568+/-0.166 χ^2/NDF: 805678.8/20

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1037.302+/-0.188 χ^2/NDF:1266279.8/25

Out: 1026.537+/-0.186 χ^2/NDF:1508417.2/29

All: 1031.839+/-0.132 χ^2/NDF: 2776354.6/55



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1812.499+/-333.139 χ^2/NDF:17.9/10

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -269.862+/-329.055 χ^2/NDF:6.6/9

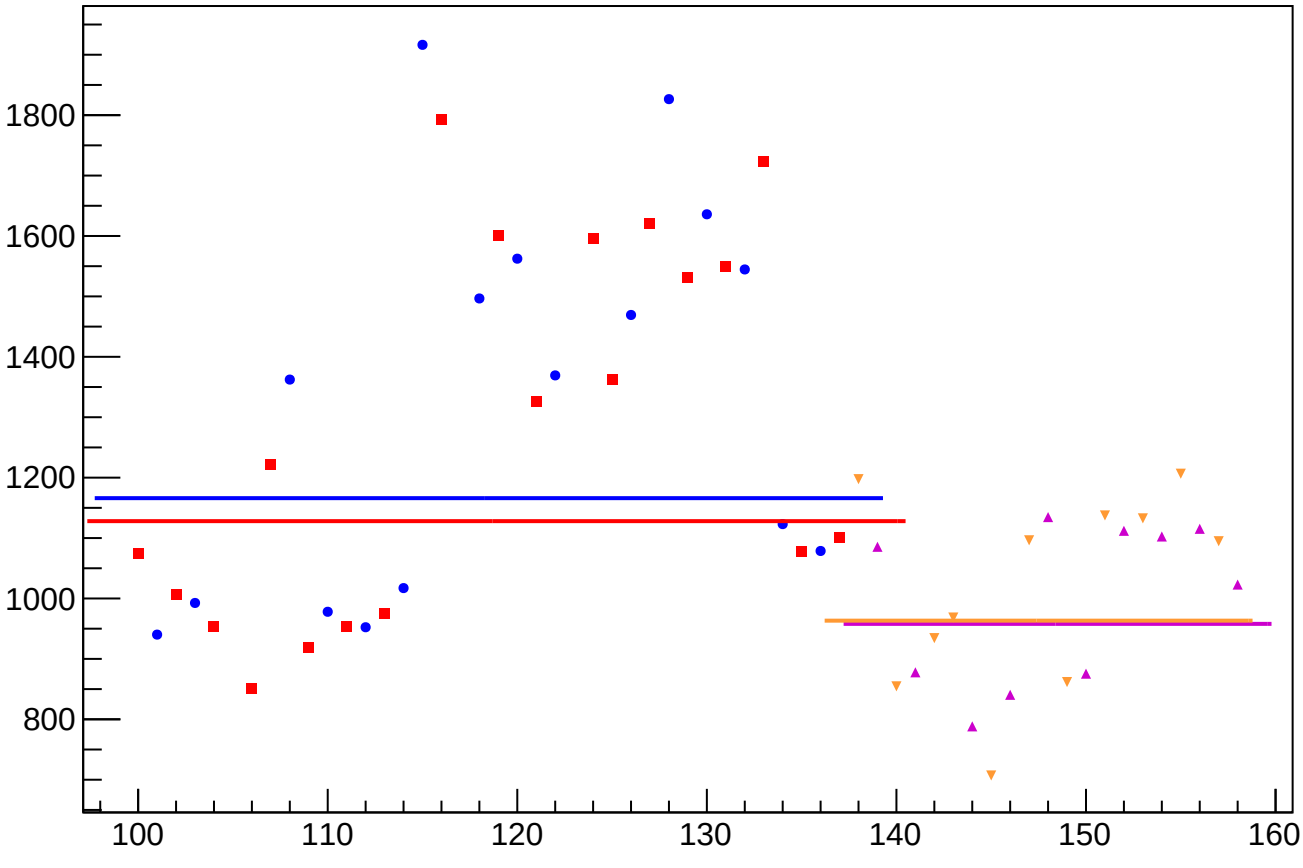
Left: 758.478+/-234.108 χ^2/NDF: 44.3/20

Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -63.085+/-264.859 χ^2/NDF:29.9/25

Out: 771.478+/-262.285 χ^2/NDF:58.1/29

All: 358.272+/-186.367 χ^2/NDF: 93.0/55



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 963.287+/-0.236 χ^2/NDF:512428.9/10

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 957.972+/-0.233 χ^2/NDF:312320.7/9

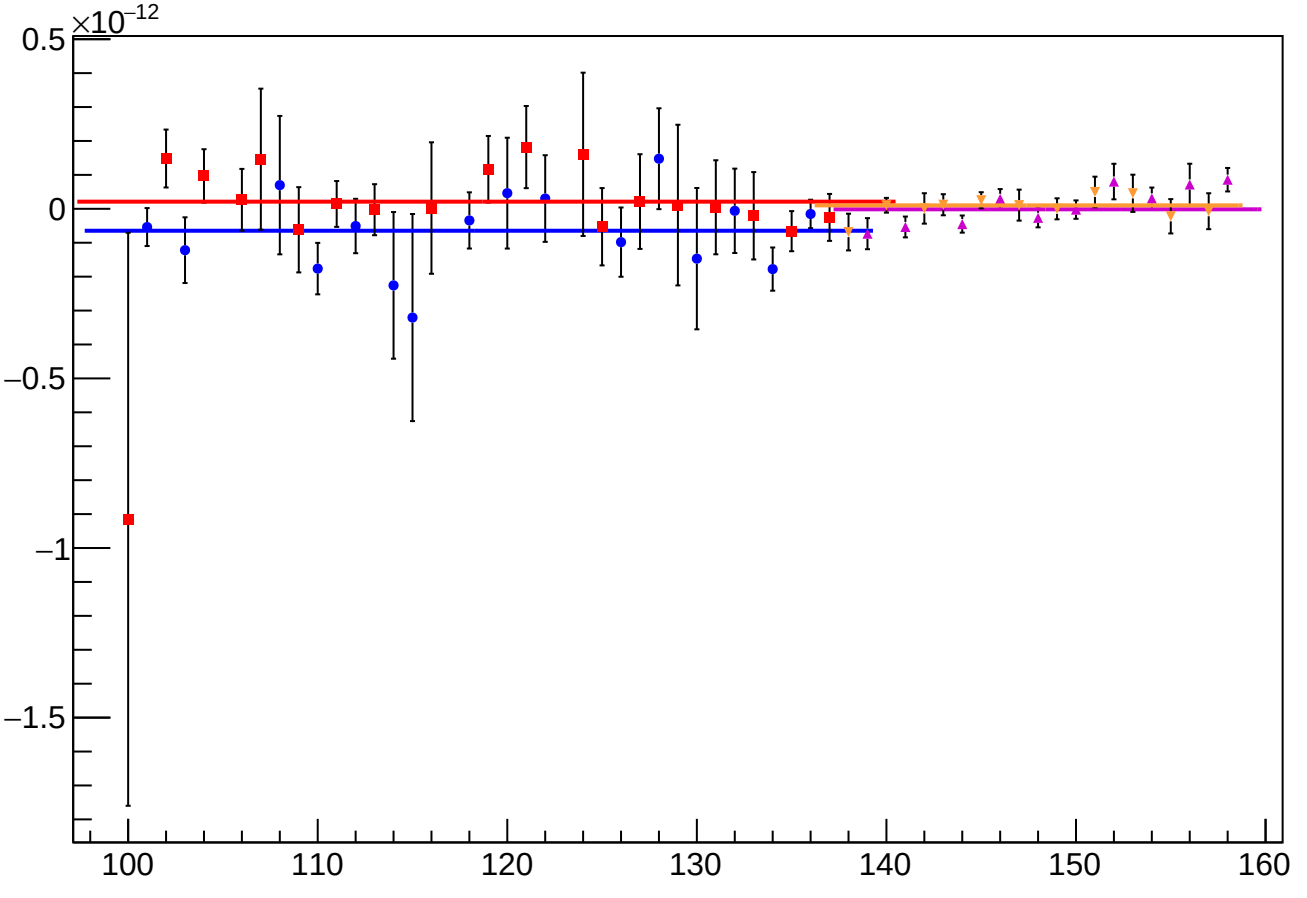
Left: 960.597+/-0.166 χ^2/NDF: 825007.3/20

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1031.244+/-0.187 χ^2/NDF:1271006.5/25

Out: 1025.903+/-0.185 χ^2/NDF:1474065.5/29

All: 1028.547+/-0.132 χ^2/NDF: 2745482.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.5/9

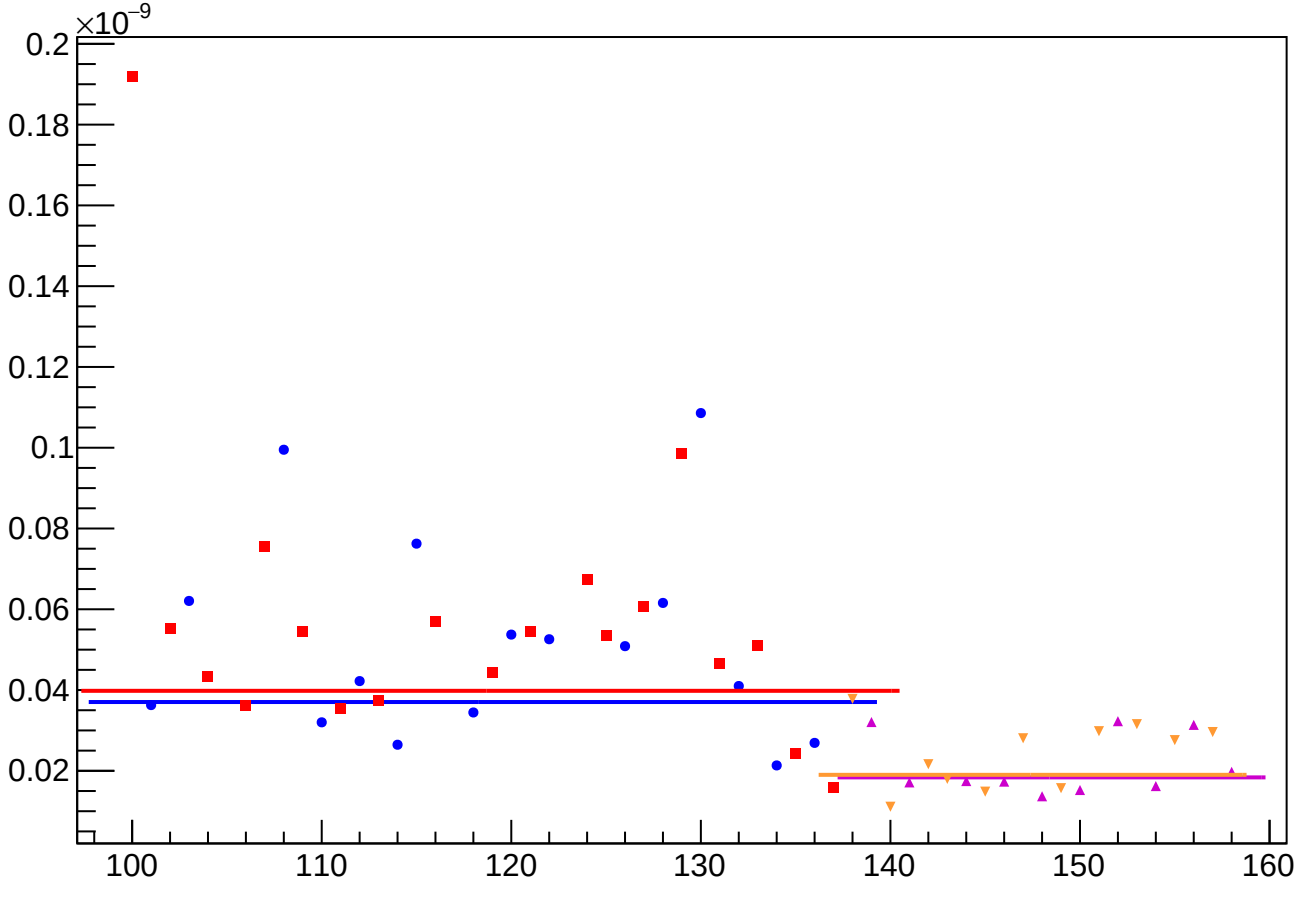
Left: 0.000+/-0.000 χ^2/NDF: 26.5/20

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:40.8/25

Out: 0.000+/-0.000 χ^2/NDF:16.1/29

All: -0.000+/-0.000 χ^2/NDF: 60.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1035412.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:513149.5/9

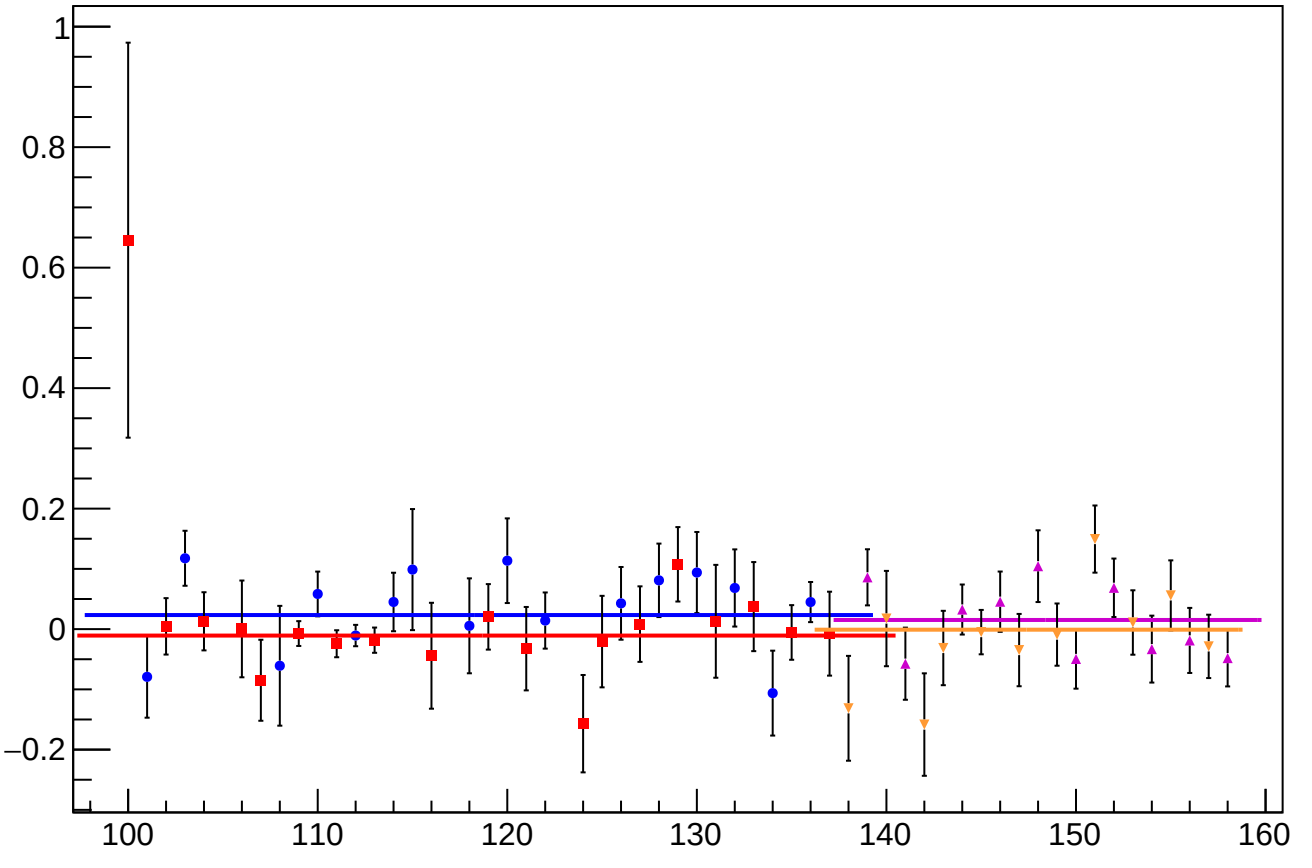
Left: 0.000+/-0.000 χ^2/NDF: 1552221.3/20

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2702263.8/25

Out: 0.000+/-0.000 χ^2/NDF:3276893.4/29

All: 0.000+/-0.000 χ^2/NDF: 5987080.6/55



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.001+/-0.017 χ^2/NDF:14.9/10

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.015+/-0.016 χ^2/NDF:12.5/9

Left: 0.008+/-0.012 χ^2/NDF: 27.8/20

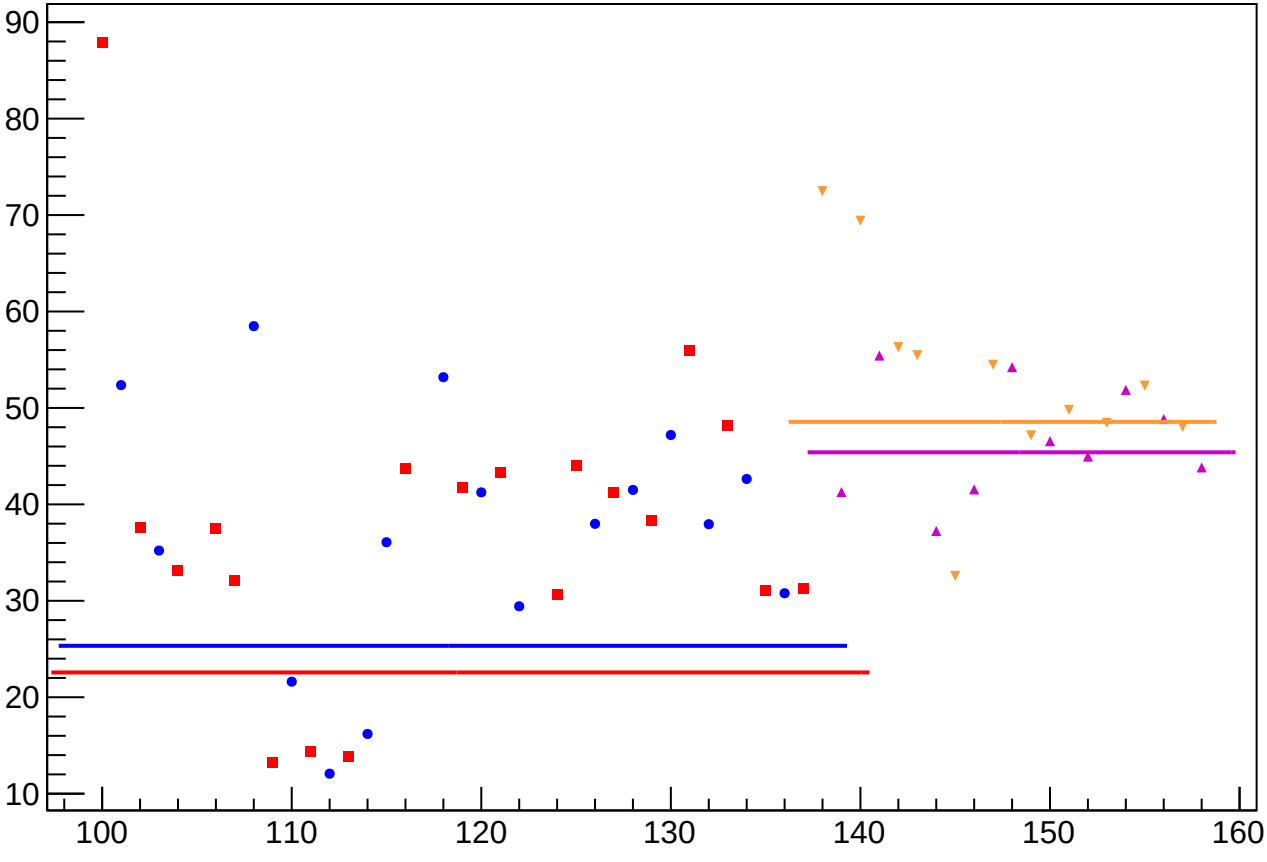
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.021+/-0.009 χ^2/NDF:33.4/25

Out: -0.008+/-0.009 χ^2/NDF:29.4/29

All: 0.005+/-0.006 χ^2/NDF: 68.2/55

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.555+/-0.012 χ^2/NDF:738483.2/10

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.397+/-0.011 χ^2/NDF:243550.3/9

Left: 46.859+/-0.008 χ^2/NDF: 1018579.8/20

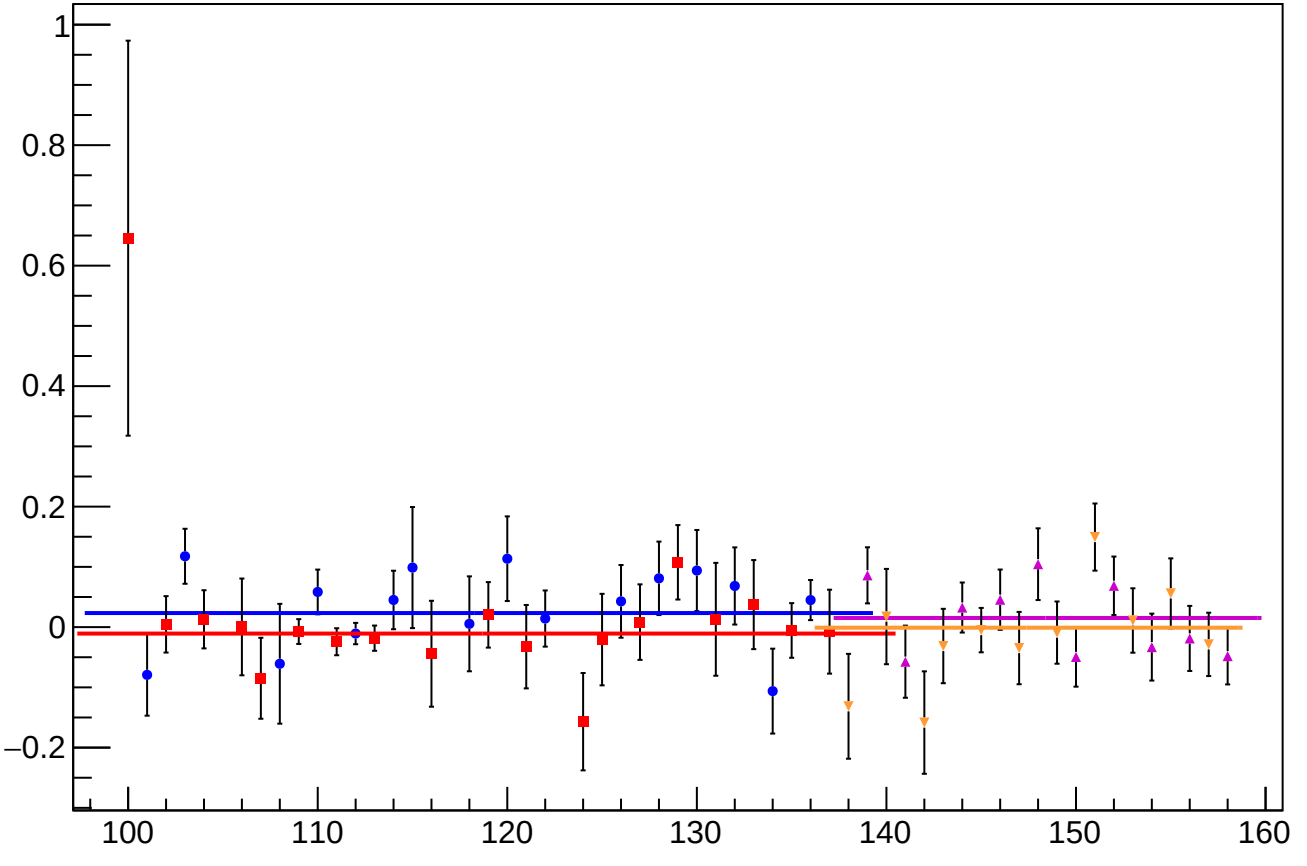
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 31.883+/-0.006 χ^2/NDF:5313644.3/25

Out: 28.986+/-0.006 χ^2/NDF:7347941.4/29

All: 30.339+/-0.004 χ^2/NDF: 12769965.1/55

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: -0.001+/-0.017 χ^2/NDF:14.9/10

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.015+/-0.016 χ^2/NDF:12.5/9

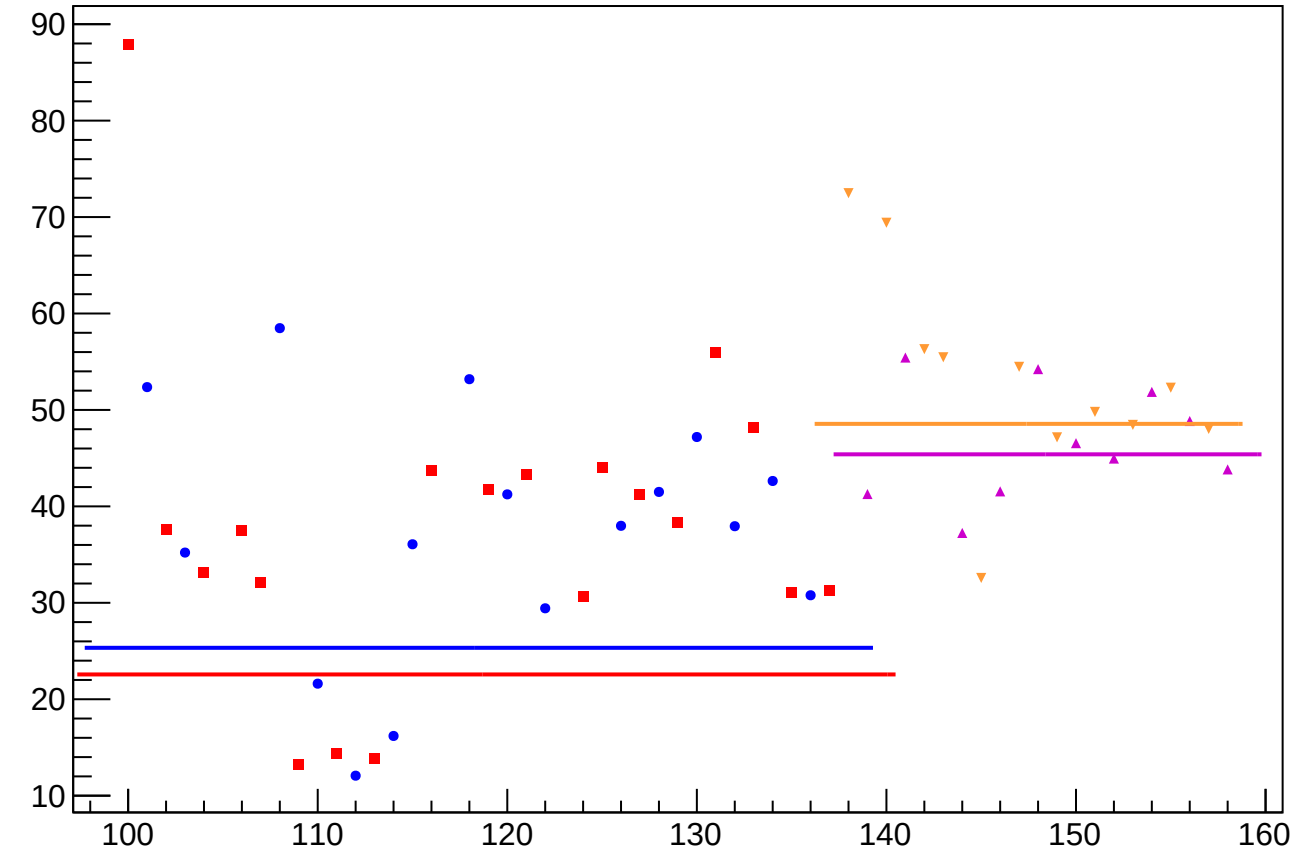
Left: 0.008+/-0.012 χ^2/NDF: 27.8/20

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.021+/-0.009 χ^2/NDF:33.4/25

Out: -0.008+/-0.009 χ^2/NDF:29.4/29

All: 0.005+/-0.006 χ^2/NDF: 68.2/55



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.555+/-0.012 χ^2/NDF:738483.2/10

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.397+/-0.011 χ^2/NDF:243550.3/9

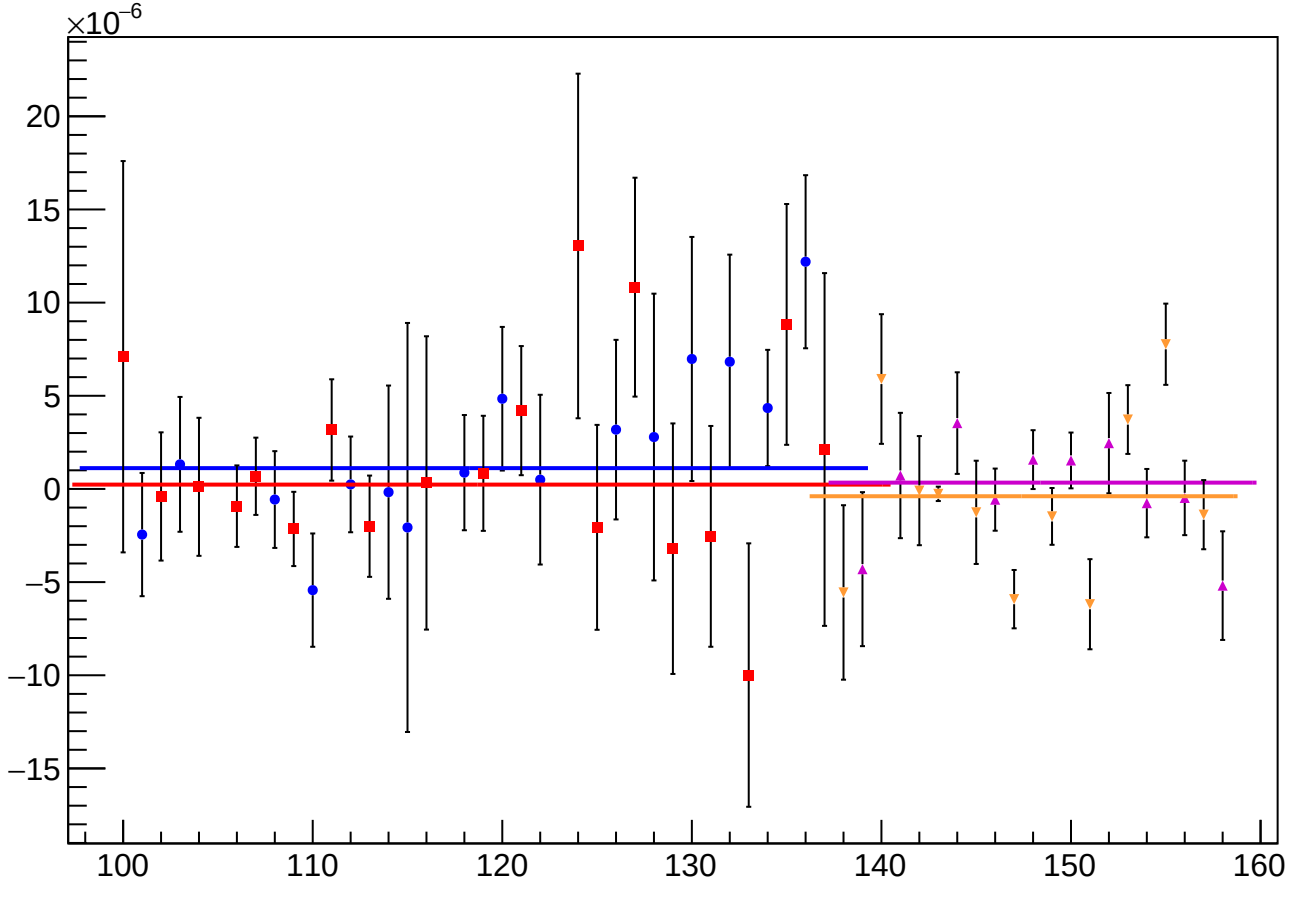
Left: 46.859+/-0.008 χ^2/NDF: 1018579.8/20

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 31.883+/-0.006 χ^2/NDF:5313644.3/25

Out: 28.986+/-0.006 χ^2/NDF:7347941.4/29

All: 30.339+/-0.004 χ^2/NDF: 12769965.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

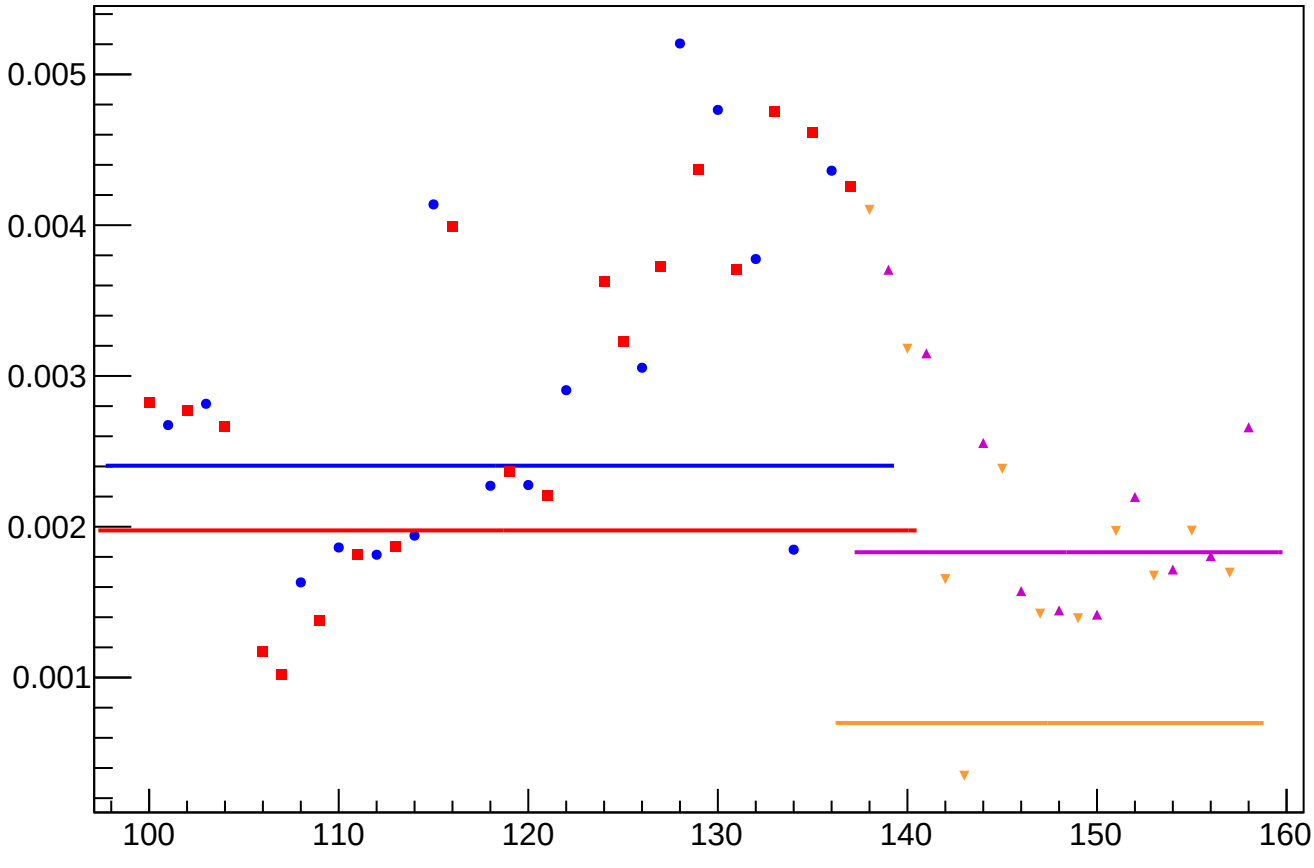
Left: -0.000+/-0.000 χ^2/NDF: 52.6/20

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:25.6/25

Out: -0.000+/-0.000 χ^2/NDF:58.3/29

All: -0.000+/-0.000 χ^2/NDF: 85.9/55



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7889951.0/10

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1386407.2/9

Left: 0.001+/-0.000 χ^2/NDF: 13949090.5/20

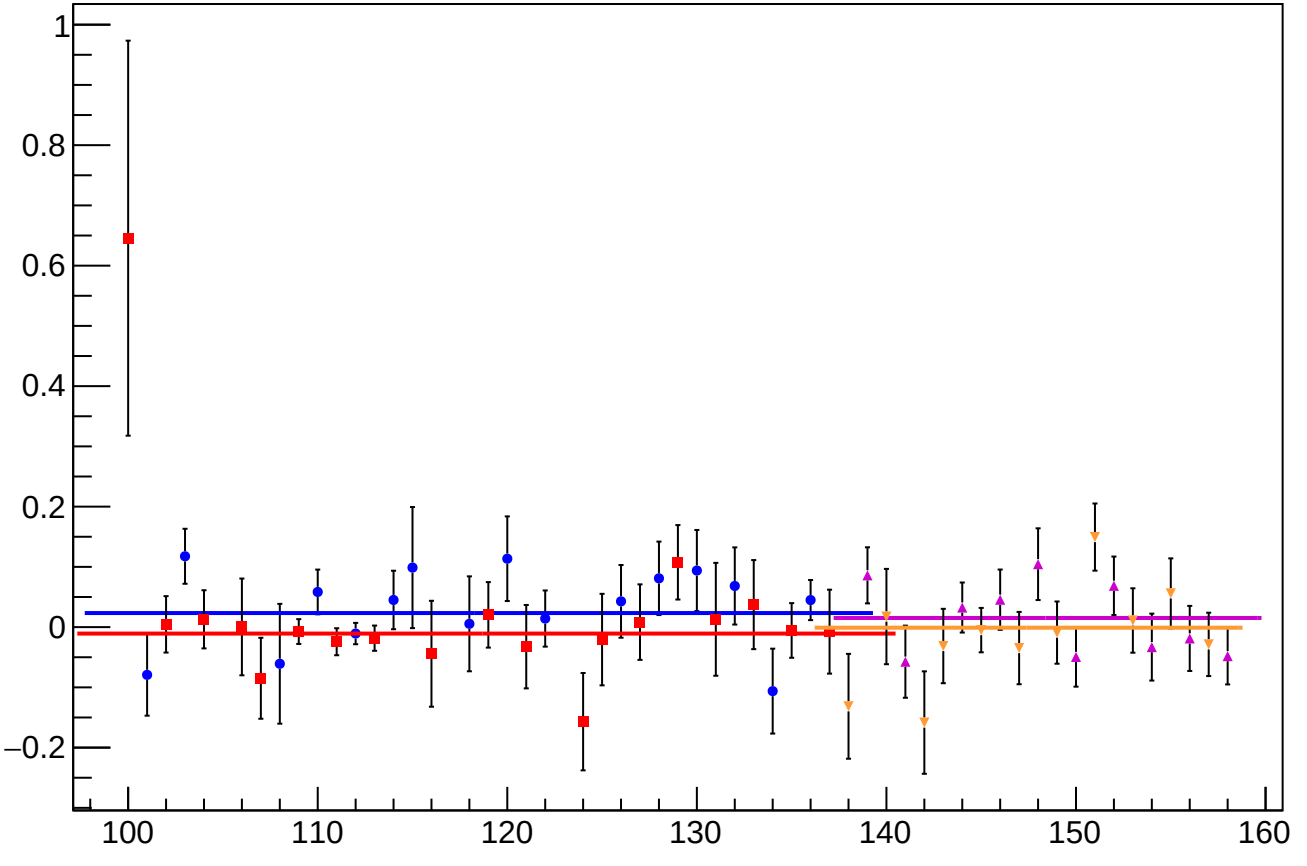
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3447110.2/25

Out: 0.001+/-0.000 χ^2/NDF:14886693.4/29

All: 0.001+/-0.000 χ^2/NDF: 24888802.1/55

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: -0.001+/-0.017 χ^2/NDF:14.9/10

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.015+/-0.016 χ^2/NDF:12.5/9

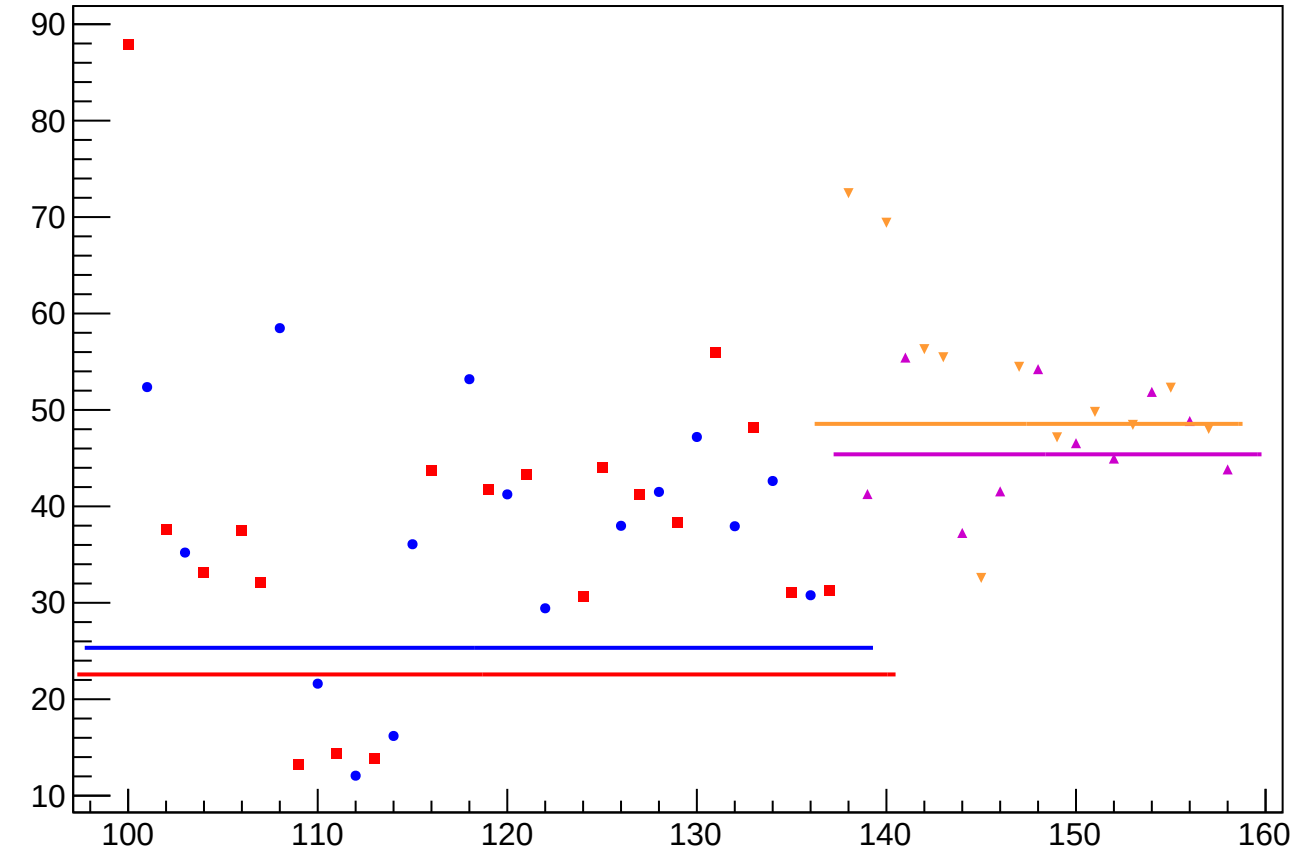
Left: 0.008+/-0.012 χ^2/NDF: 27.8/20

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.021+/-0.009 χ^2/NDF:33.4/25

Out: -0.008+/-0.009 χ^2/NDF:29.4/29

All: 0.005+/-0.006 χ^2/NDF: 68.2/55



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.556+/-0.012 χ^2/NDF:738454.9/10

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.397+/-0.011 χ^2/NDF:243540.3/9

Left: 46.860+/-0.008 χ^2/NDF: 1018539.2/20

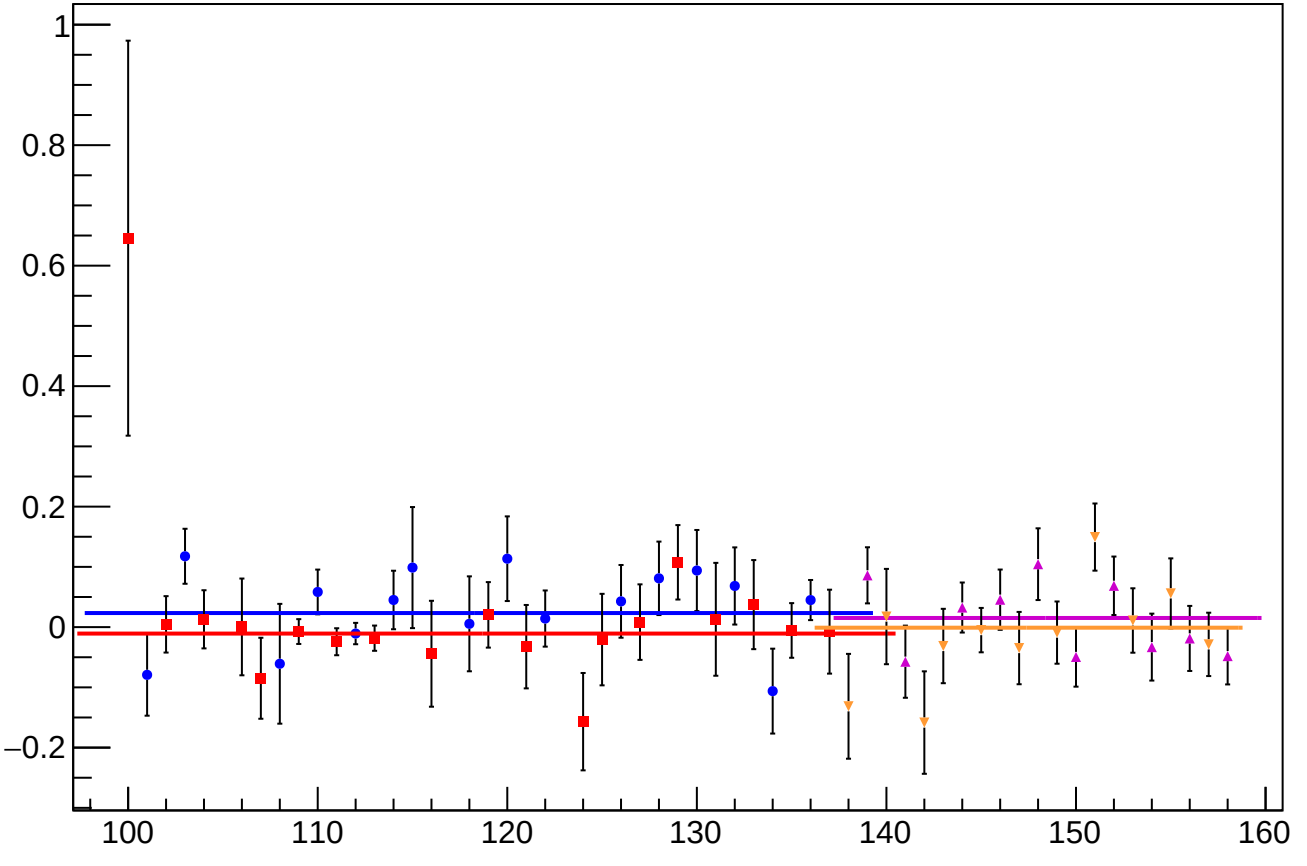
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 31.882+/-0.006 χ^2/NDF:5314451.5/25

Out: 28.986+/-0.006 χ^2/NDF:7348225.1/29

All: 30.339+/-0.004 χ^2/NDF: 12770998.4/55

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: -0.001+/-0.017 χ^2/NDF:14.9/10

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.015+/-0.016 χ^2/NDF:12.5/9

Left: 0.008+/-0.012 χ^2/NDF: 27.8/20

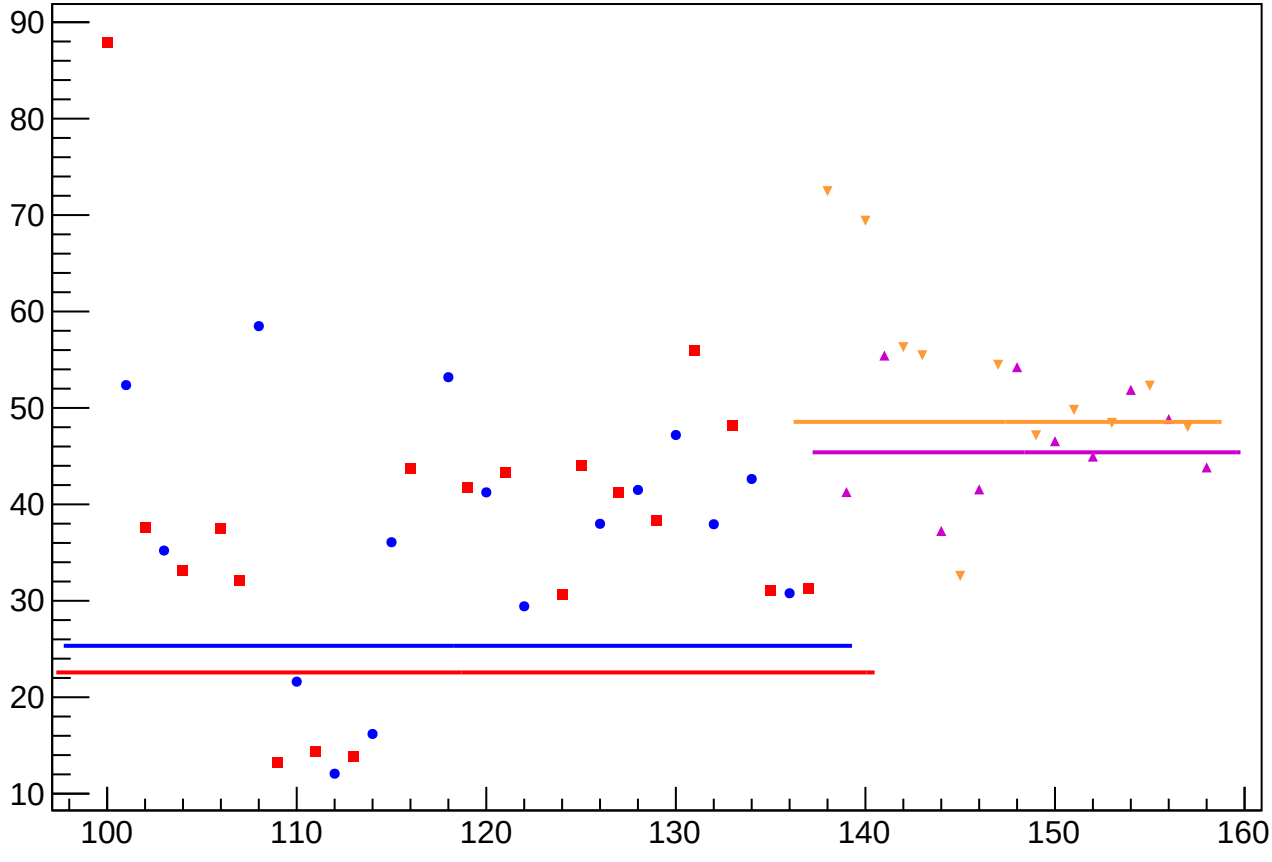
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.021+/-0.009 χ^2/NDF:33.4/25

Out: -0.008+/-0.009 χ^2/NDF:29.4/29

All: 0.005+/-0.006 χ^2/NDF: 68.2/55

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.556+/-0.012 χ^2/NDF:738454.9/10

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.397+/-0.011 χ^2/NDF:243540.3/9

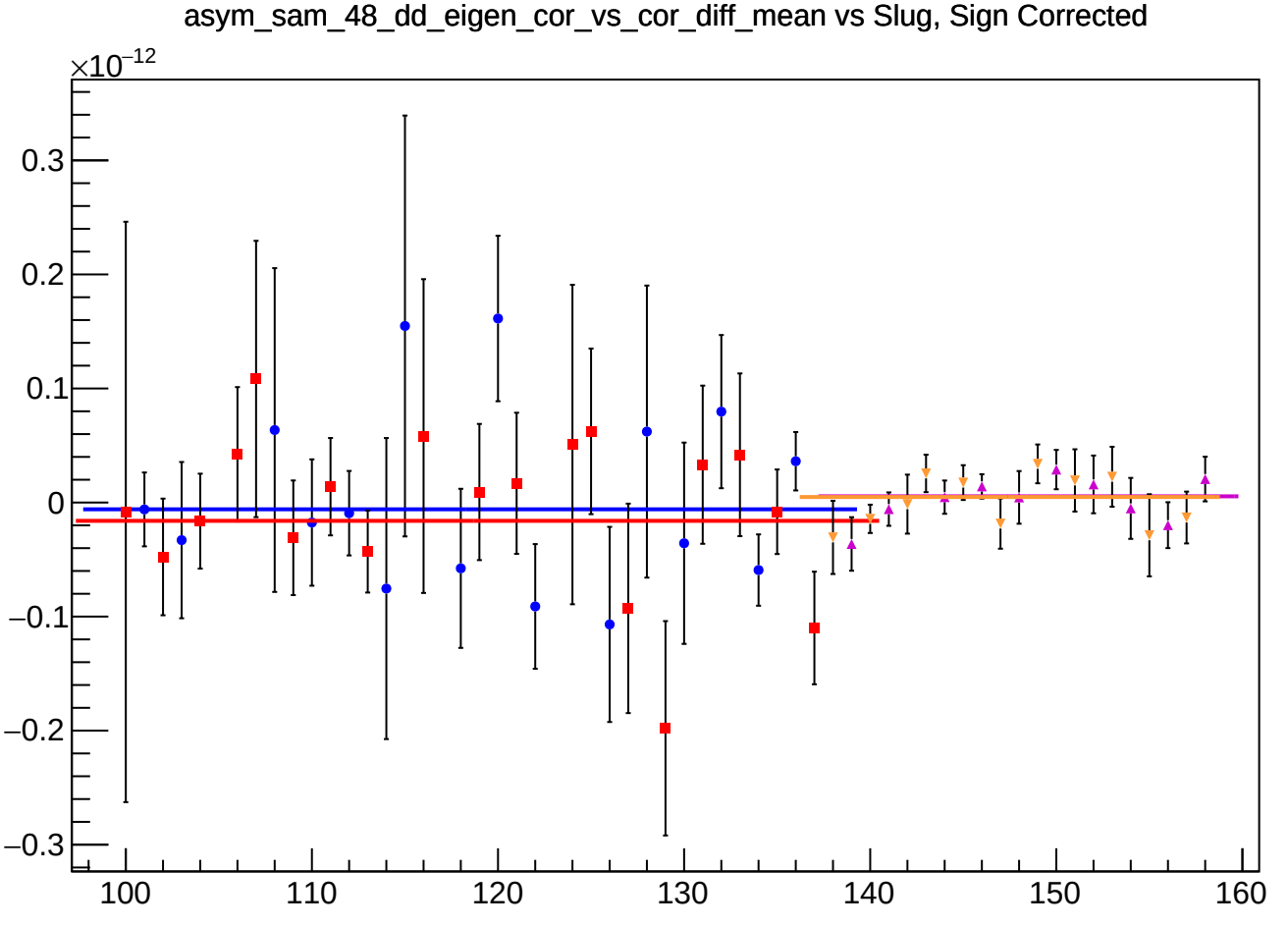
Left: 46.860+/-0.008 χ^2/NDF: 1018539.2/20

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 31.882+/-0.006 χ^2/NDF:5314451.5/25

Out: 28.986+/-0.006 χ^2/NDF:7348225.1/29

All: 30.339+/-0.004 χ^2/NDF: 12770998.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/9

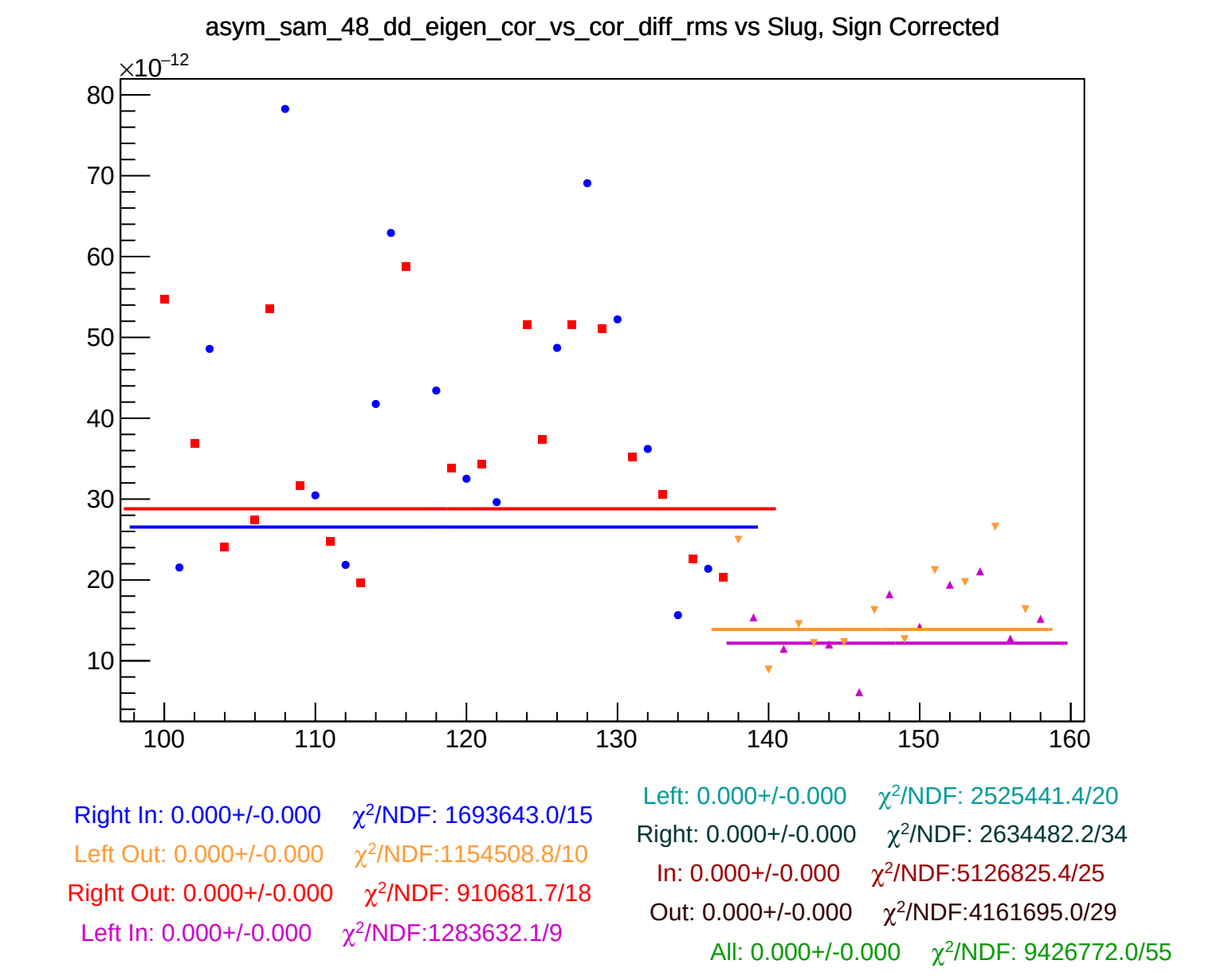
Left: 0.000+/-0.000 χ^2/NDF: 21.0/20

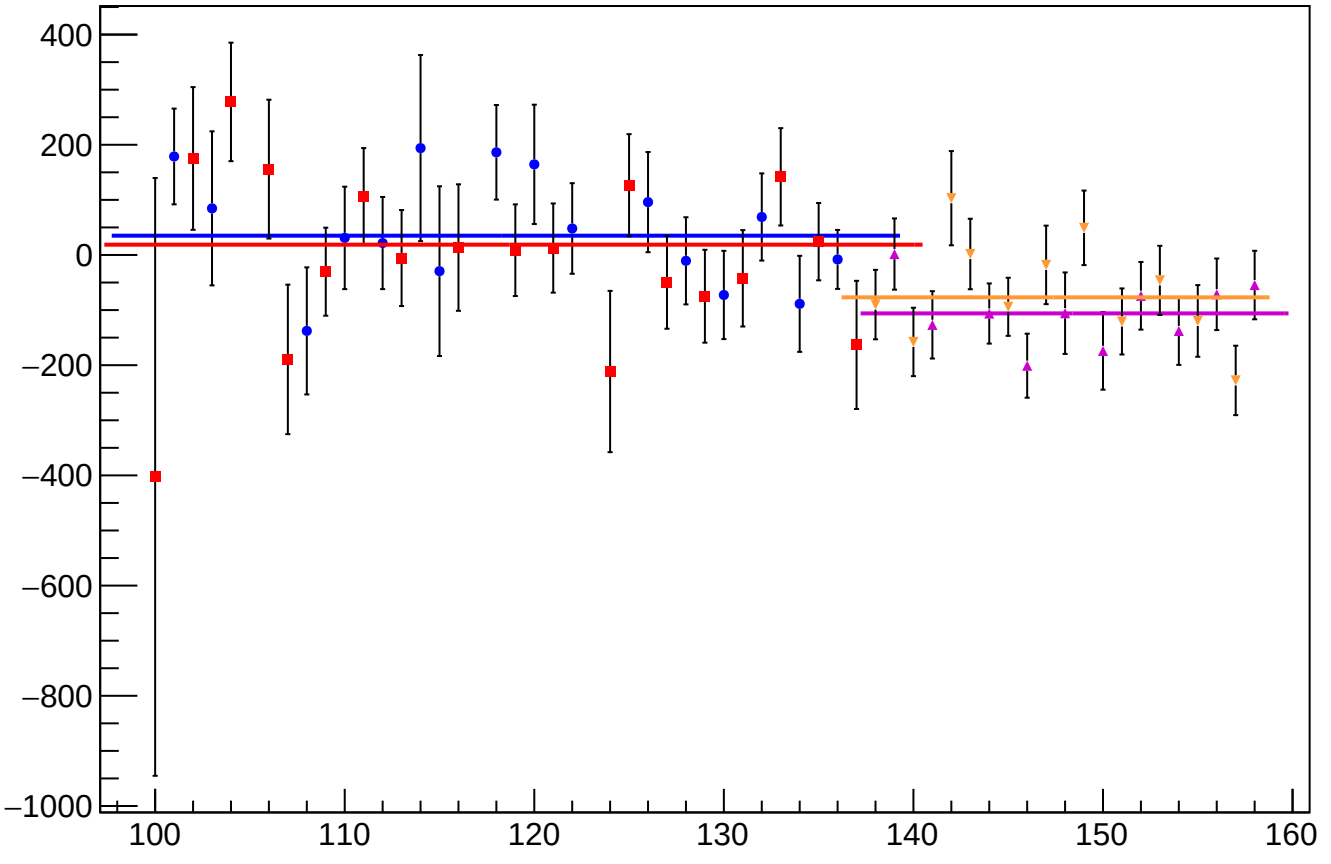
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:28.3/25

Out: 0.000+/-0.000 χ^2/NDF:29.2/29

All: 0.000+/-0.000 χ^2/NDF: 57.6/55


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1154508.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1283632.1/9
Left: 0.000+/-0.000 χ²/NDF: 2525441.4/20
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5126825.4/25
Out: 0.000+/-0.000 χ²/NDF:4161695.0/29
All: 0.000+/-0.000 χ²/NDF: 9426772.0/55



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -76.870+/-19.285 χ^2/NDF:18.9/10

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -106.018+/-19.809 χ^2/NDF:8.0/9

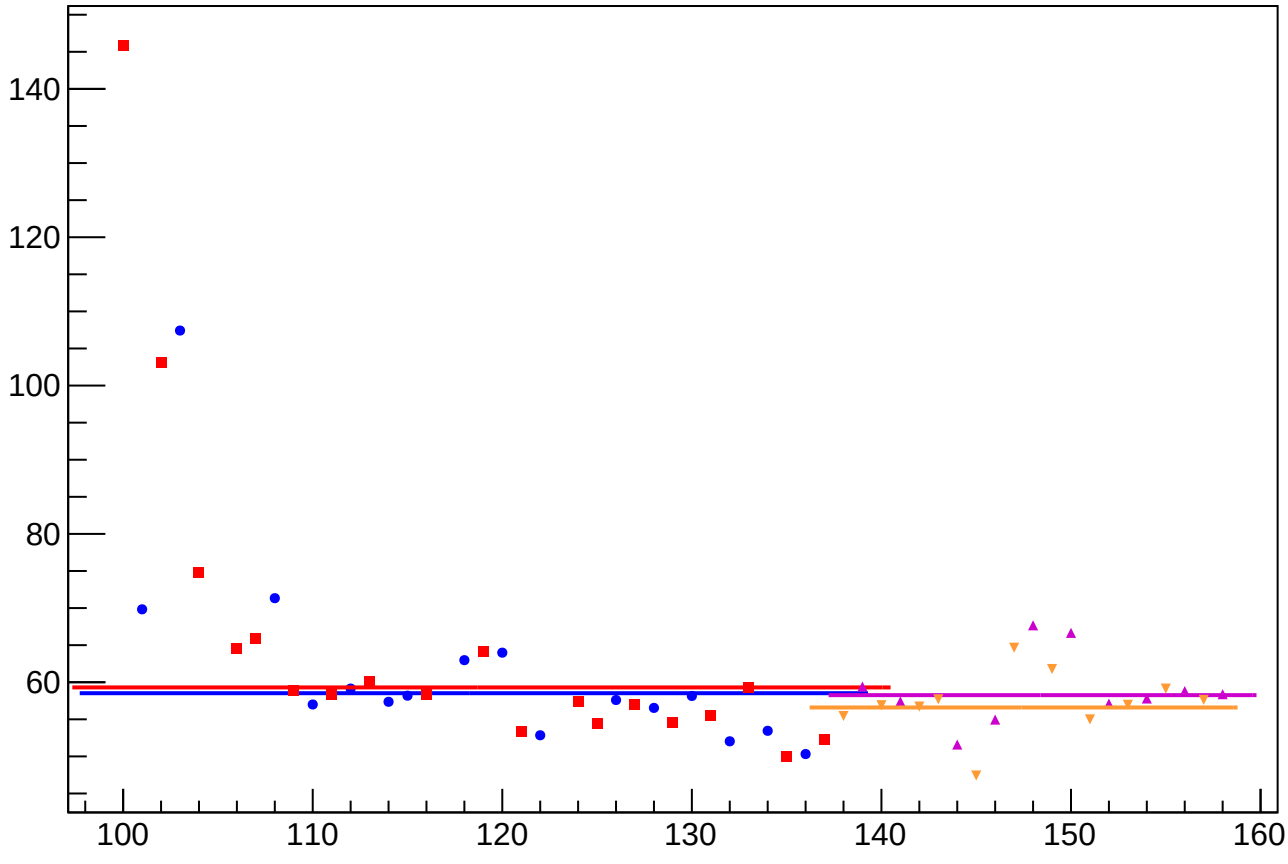
Left: -91.054+/-13.818 χ^2/NDF: 28.0/20

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -43.294+/-14.761 χ^2/NDF:46.7/25

Out: -35.638+/-14.541 χ^2/NDF:53.0/29

All: -39.409+/-10.359 χ^2/NDF: 99.9/55



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.597+/-0.014 χ^2/NDF:104321.9/10

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

Left: 57.407+/-0.010 χ^2/NDF: 210621.5/20

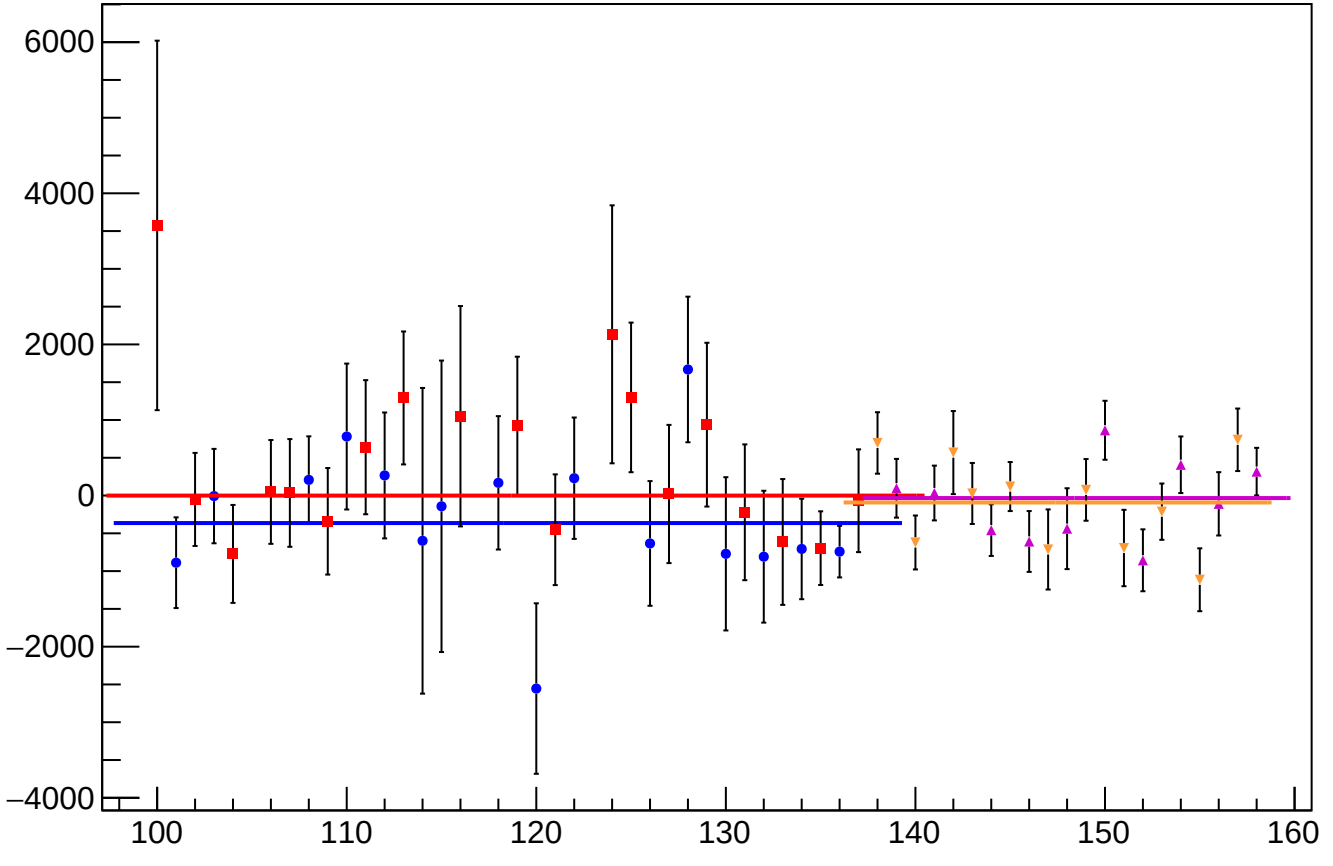
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.377+/-0.010 χ^2/NDF:491952.0/25

Out: 57.764+/-0.010 χ^2/NDF:527902.2/29

All: 58.066+/-0.007 χ^2/NDF: 1021604.7/55

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -91.475+/-123.891 χ^2/NDF:21.0/10

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -33.270+/-121.347 χ^2/NDF:16.3/9

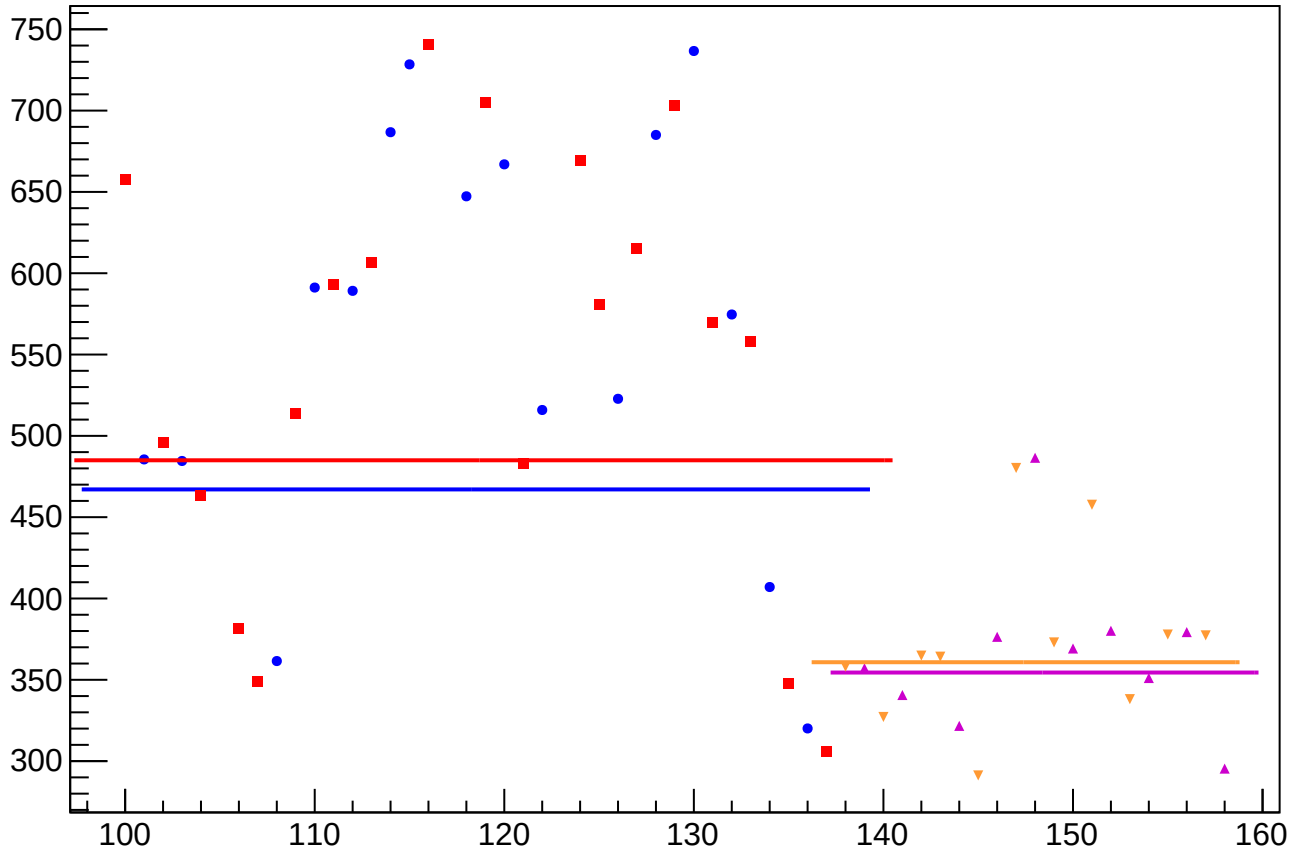
Left: -61.769+/-86.691 χ^2/NDF: 37.4/20

Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -136.163+/-100.722 χ^2/NDF:33.8/25

Out: -62.924+/-102.607 χ^2/NDF:36.3/29

All: -100.222+/-71.878 χ^2/NDF: 70.4/55



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 360.814+/-0.088 χ^2/NDF:300917.7/10

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 354.471+/-0.086 χ^2/NDF:237590.8/9

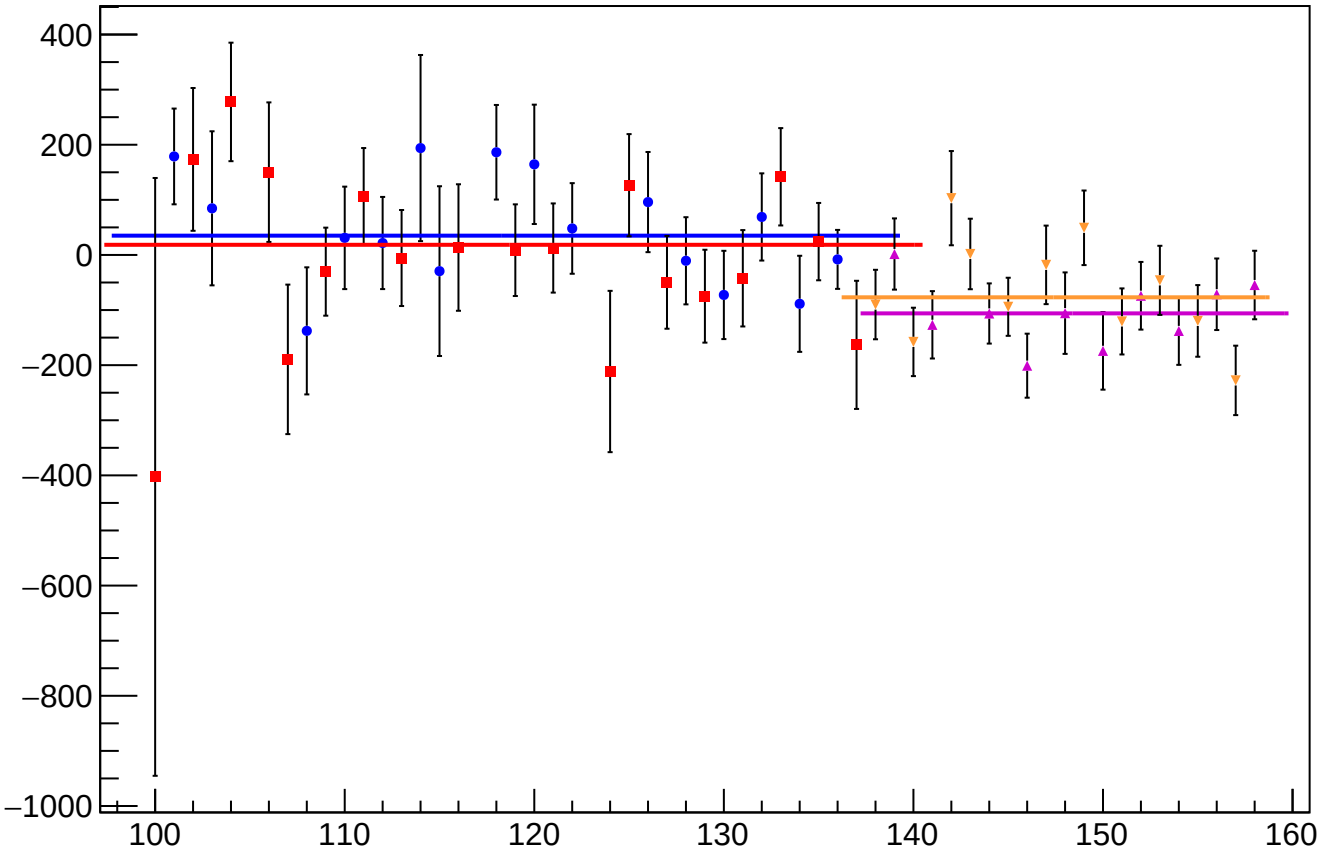
Left: 357.577+/-0.061 χ^2/NDF: 541184.7/20

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 389.493+/-0.071 χ^2/NDF:1803470.9/25

Out: 399.813+/-0.073 χ^2/NDF:1805991.2/29

All: 394.557+/-0.051 χ^2/NDF: 3619766.1/55



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -76.868+/-19.285 χ^2/NDF:18.9/10

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -106.018+/-19.809 χ^2/NDF:8.0/9

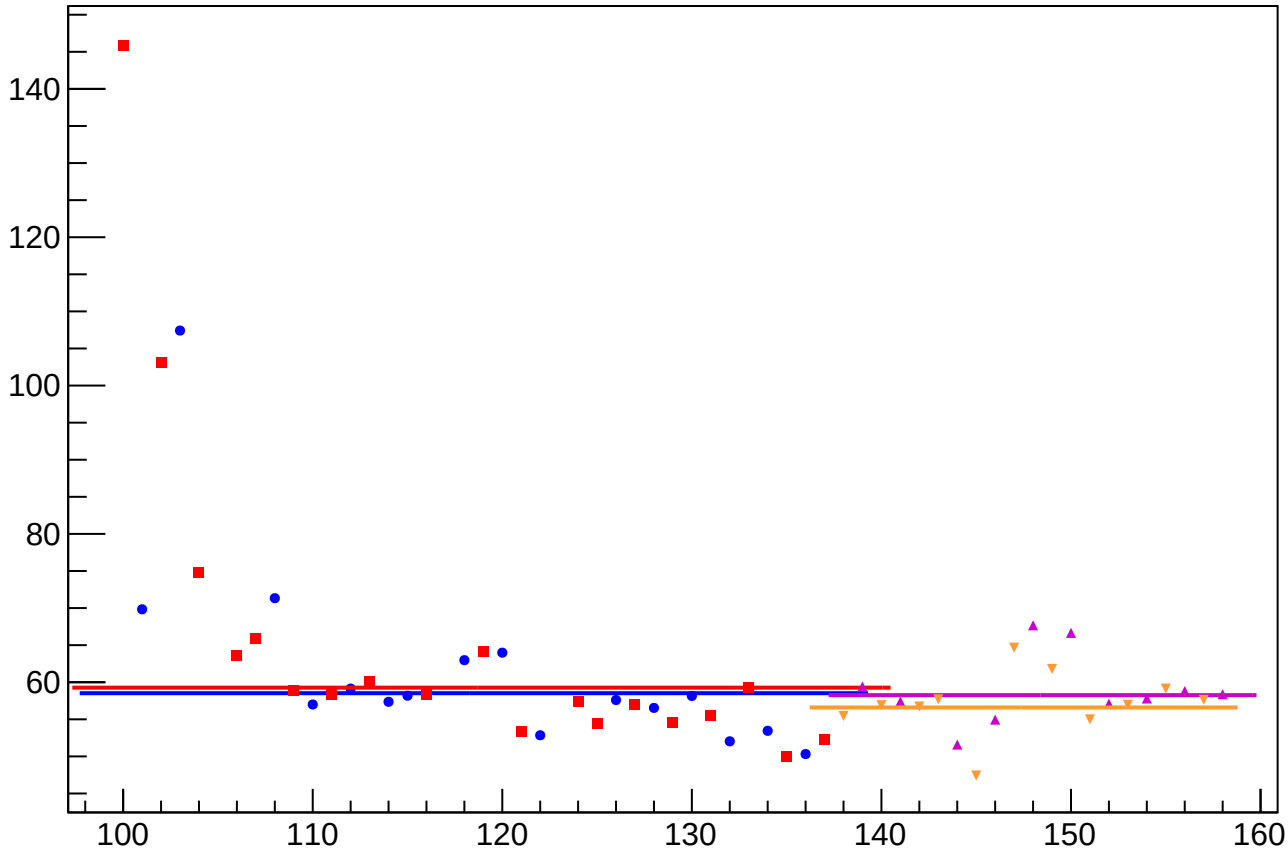
Left: -91.053+/-13.818 χ^2/NDF: 28.0/20

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -43.295+/-14.761 χ^2/NDF:46.7/25

Out: -35.763+/-14.542 χ^2/NDF:52.8/29

All: -39.473+/-10.359 χ^2/NDF: 99.7/55



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.597+/-0.014 χ^2/NDF:104322.0/10

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

Left: 57.407+/-0.010 χ^2/NDF: 210621.5/20

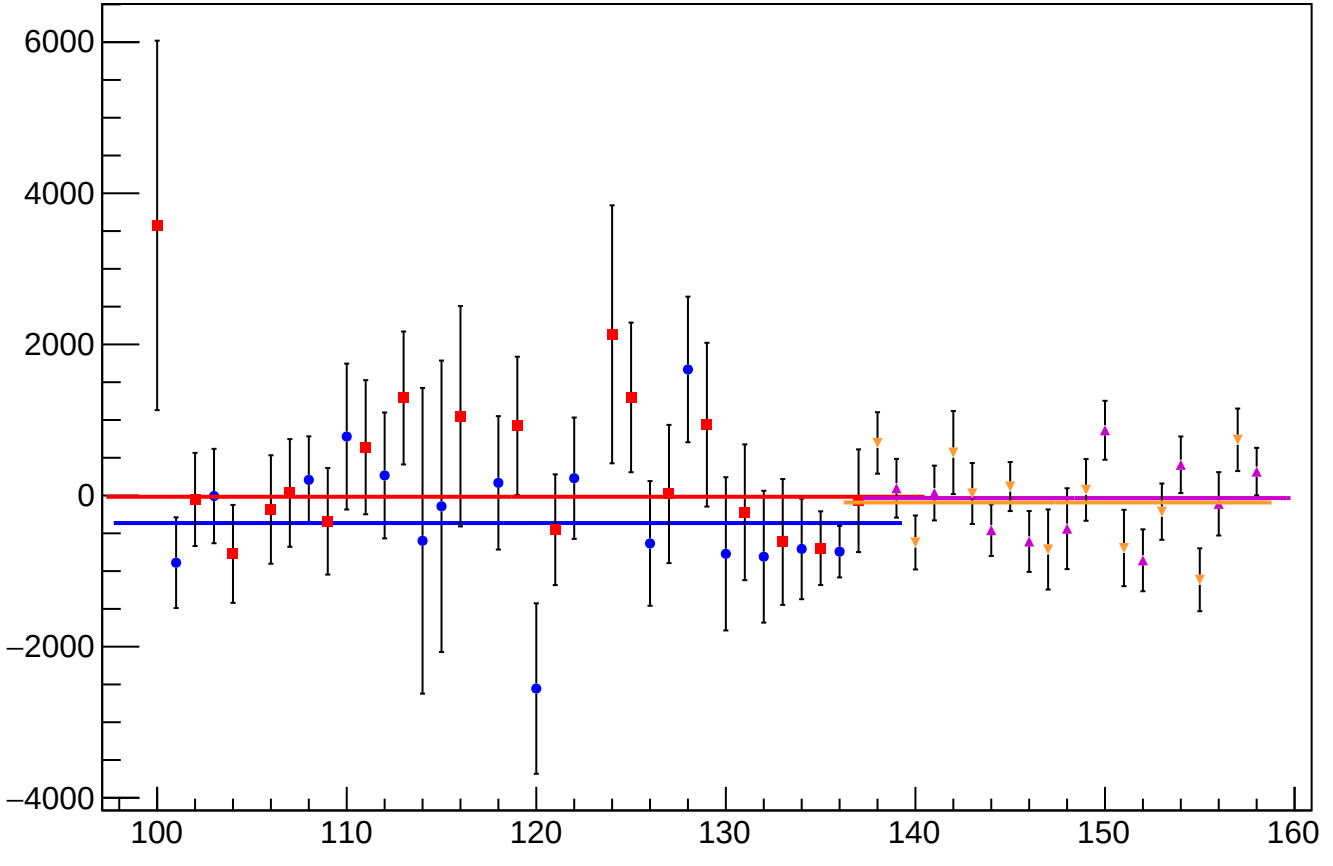
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.377+/-0.010 χ^2/NDF:491954.1/25

Out: 57.750+/-0.010 χ^2/NDF:526506.4/29

All: 58.059+/-0.007 χ^2/NDF: 1020291.7/55

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.478+/-123.891 χ^2/NDF:21.0/10

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -33.270+/-121.347 χ^2/NDF:16.3/9

Left: -61.770+/-86.691 χ^2/NDF: 37.4/20

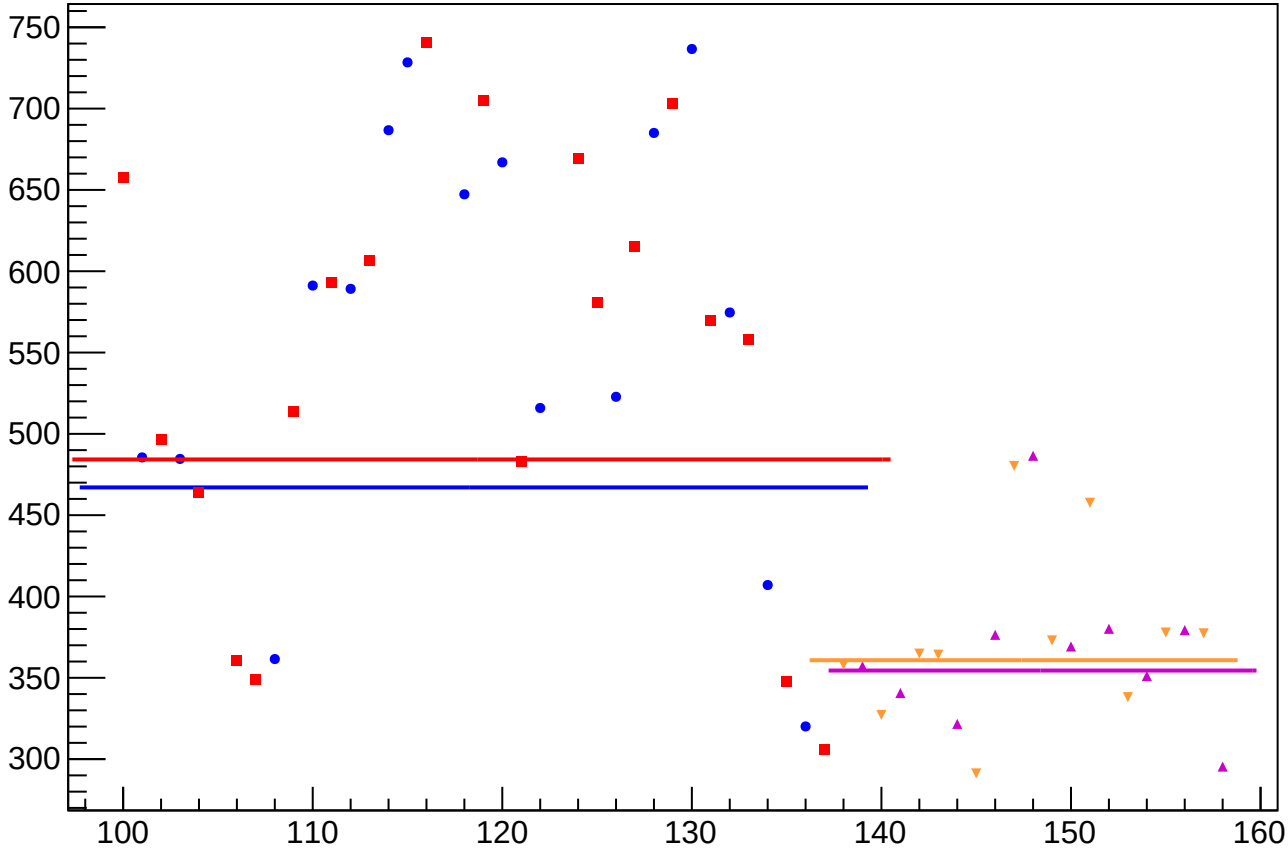
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -136.151+/-100.723 χ^2/NDF:33.8/25

Out: -67.899+/-102.706 χ^2/NDF:36.3/29

All: -102.690+/-71.913 χ^2/NDF: 70.3/55

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 360.814+/-0.088 χ^2/NDF:300919.1/10

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 354.471+/-0.086 χ^2/NDF:237591.3/9

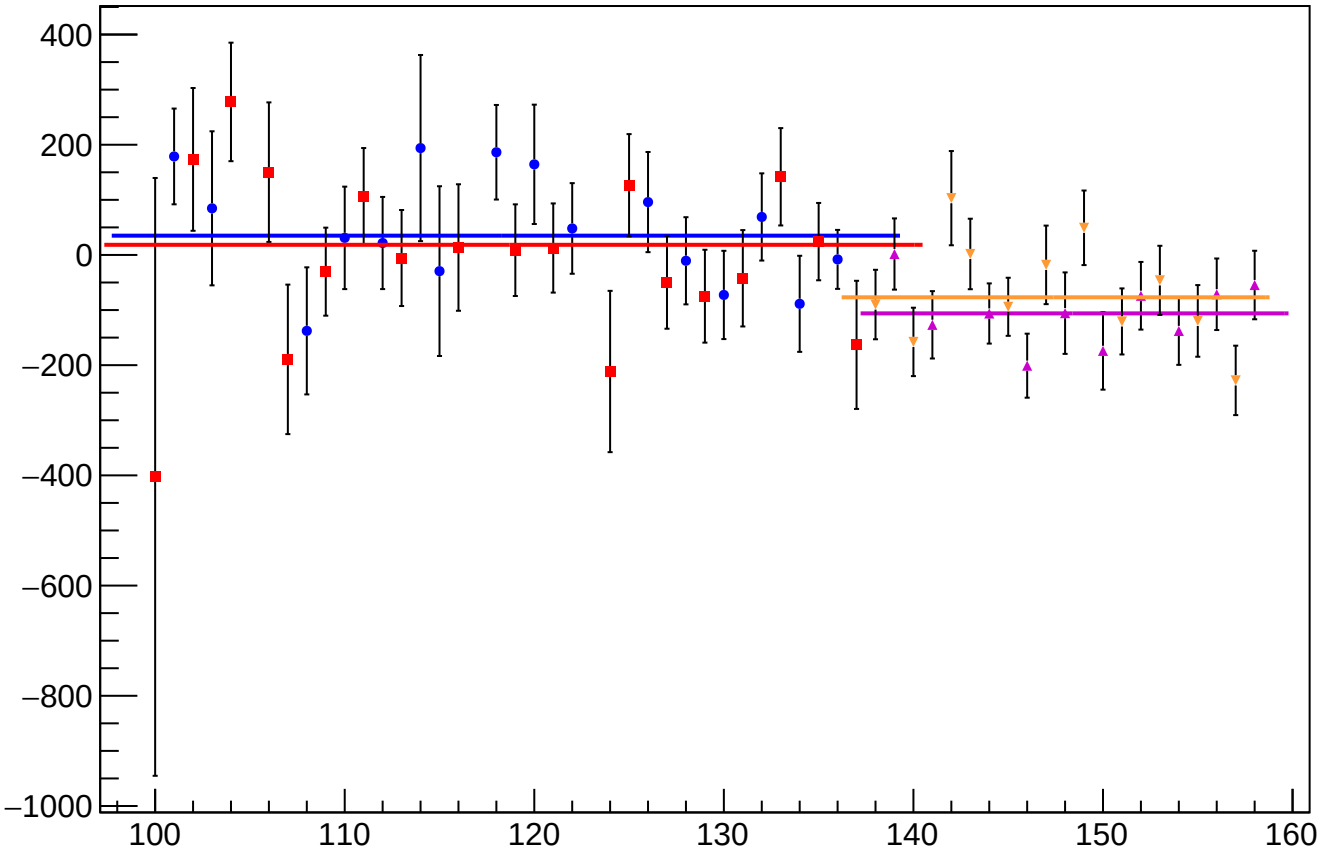
Left: 357.577+/-0.061 χ^2/NDF: 541186.5/20

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 389.493+/-0.071 χ^2/NDF:1803493.6/25

Out: 399.427+/-0.073 χ^2/NDF:1810878.6/29

All: 394.363+/-0.051 χ^2/NDF: 3623909.0/55



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -76.868+/-19.285 χ^2/NDF:18.9/10

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -106.018+/-19.809 χ^2/NDF:8.0/9

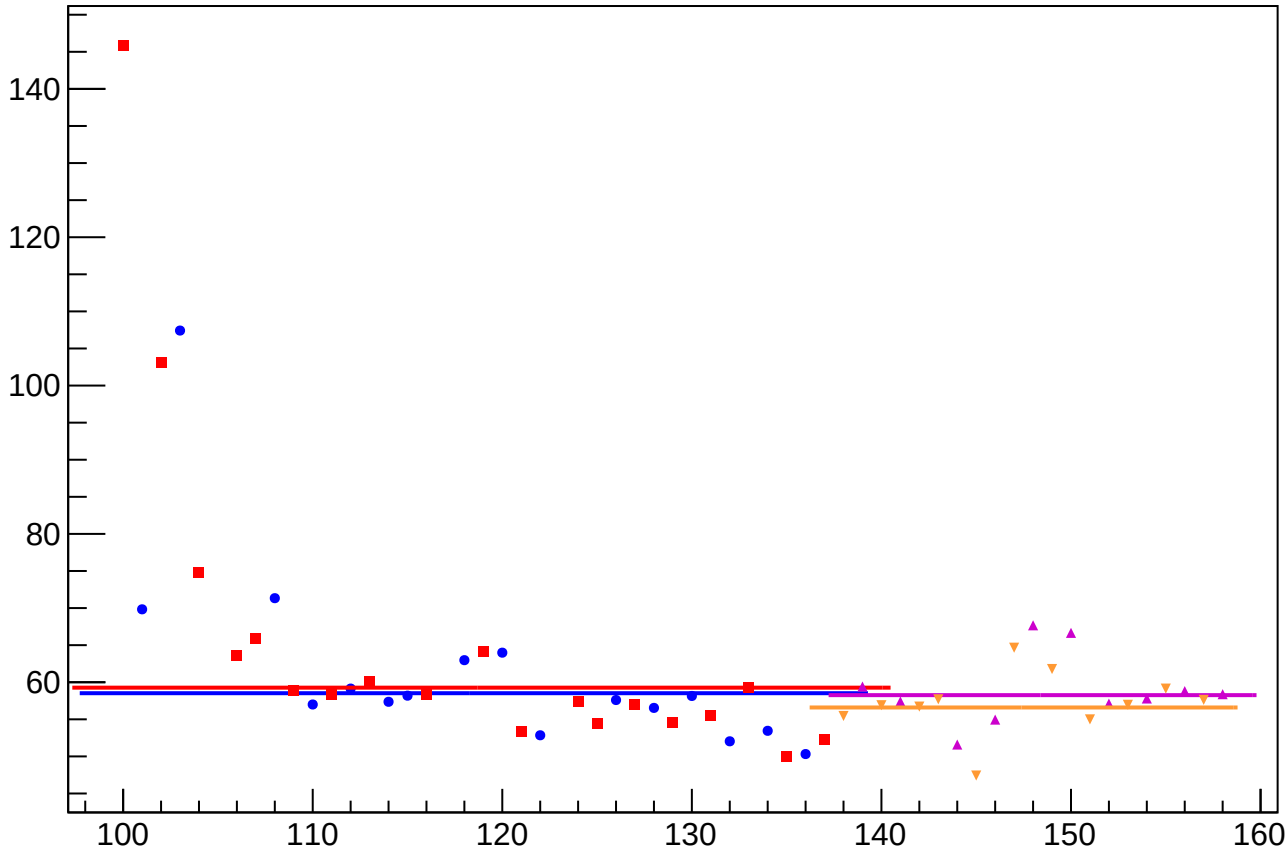
Left: -91.053+/-13.818 χ^2/NDF: 28.0/20

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -43.295+/-14.761 χ^2/NDF:46.7/25

Out: -35.763+/-14.542 χ^2/NDF:52.8/29

All: -39.473+/-10.359 χ^2/NDF: 99.7/55



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.597+/-0.014 χ^2/NDF:104322.0/10

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

Left: 57.407+/-0.010 χ^2/NDF: 210621.5/20

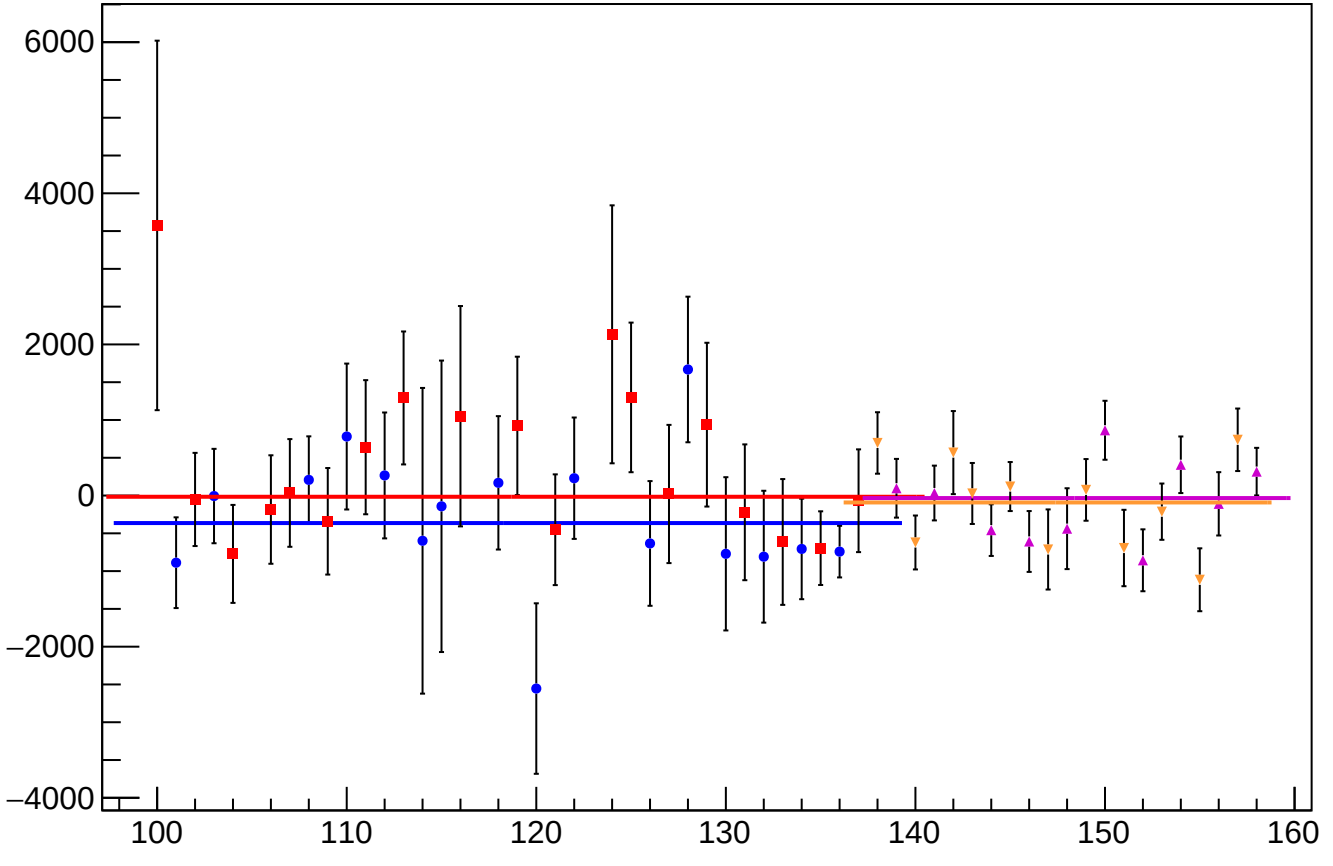
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.377+/-0.010 χ^2/NDF:491954.1/25

Out: 57.750+/-0.010 χ^2/NDF:526506.4/29

All: 58.059+/-0.007 χ^2/NDF: 1020291.7/55

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: -91.478+/-123.891 χ^2/NDF:21.0/10

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -33.270+/-121.347 χ^2/NDF:16.3/9

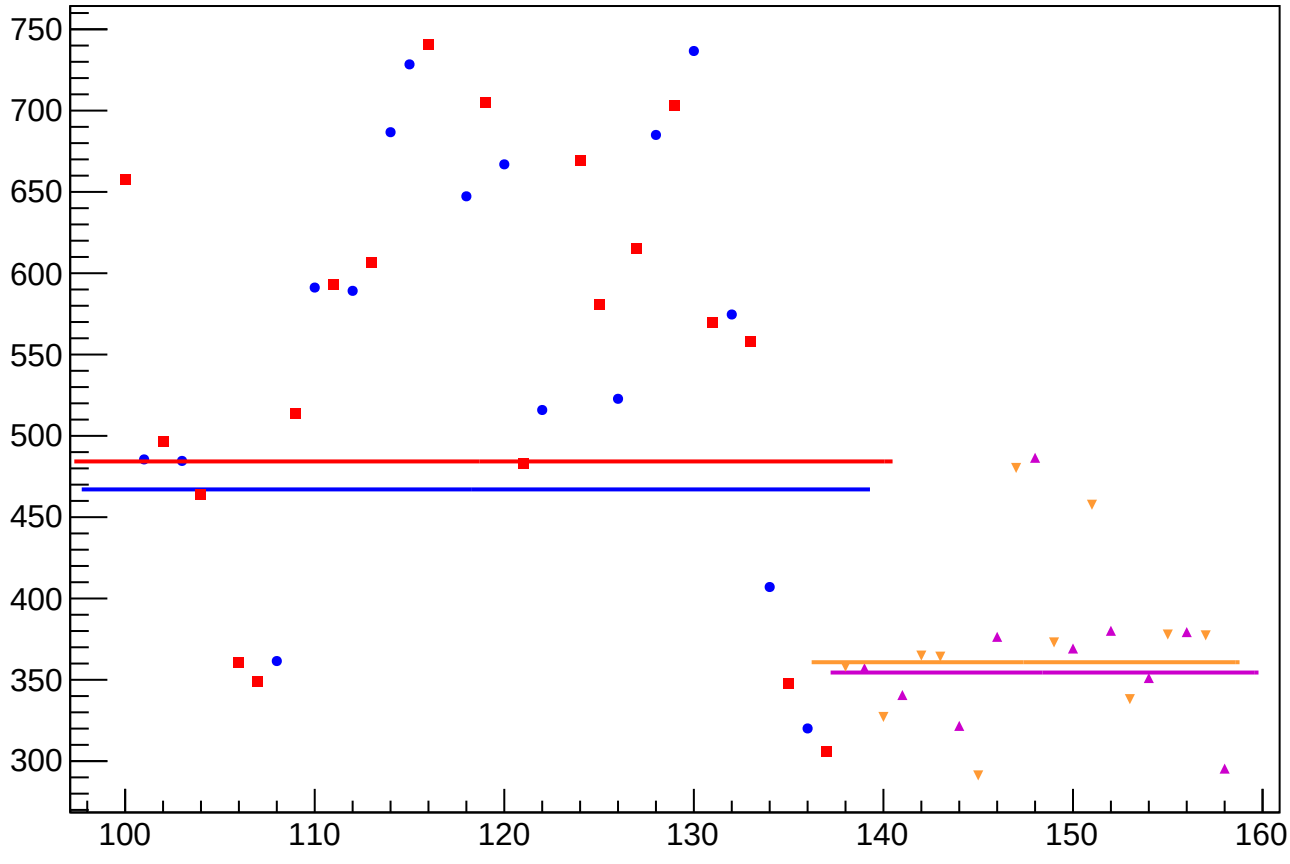
Left: -61.770+/-86.691 χ^2/NDF: 37.4/20

Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -136.151+/-100.723 χ^2/NDF:33.8/25

Out: -67.899+/-102.706 χ^2/NDF:36.3/29

All: -102.690+/-71.913 χ^2/NDF: 70.3/55



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 360.814+/-0.088 χ^2/NDF:300919.1/10

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 354.471+/-0.086 χ^2/NDF:237591.3/9

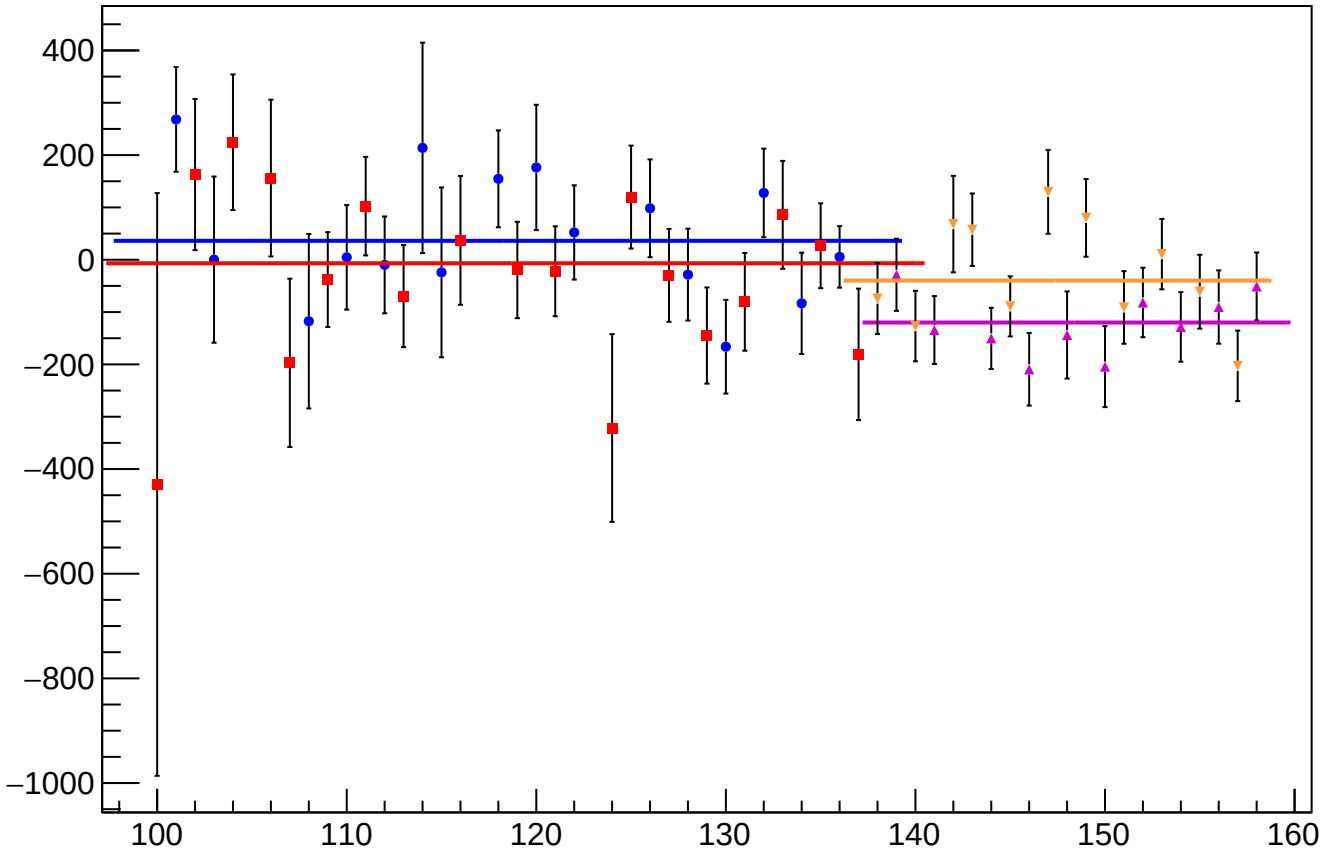
Left: 357.577+/-0.061 χ^2/NDF: 541186.5/20

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 389.493+/-0.071 χ^2/NDF:1803493.6/25

Out: 399.427+/-0.073 χ^2/NDF:1810878.6/29

All: 394.363+/-0.051 χ^2/NDF: 3623909.0/55



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -39.891+/-21.063 χ^2/NDF:20.1/10

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -119.948+/-21.551 χ^2/NDF:6.7/9

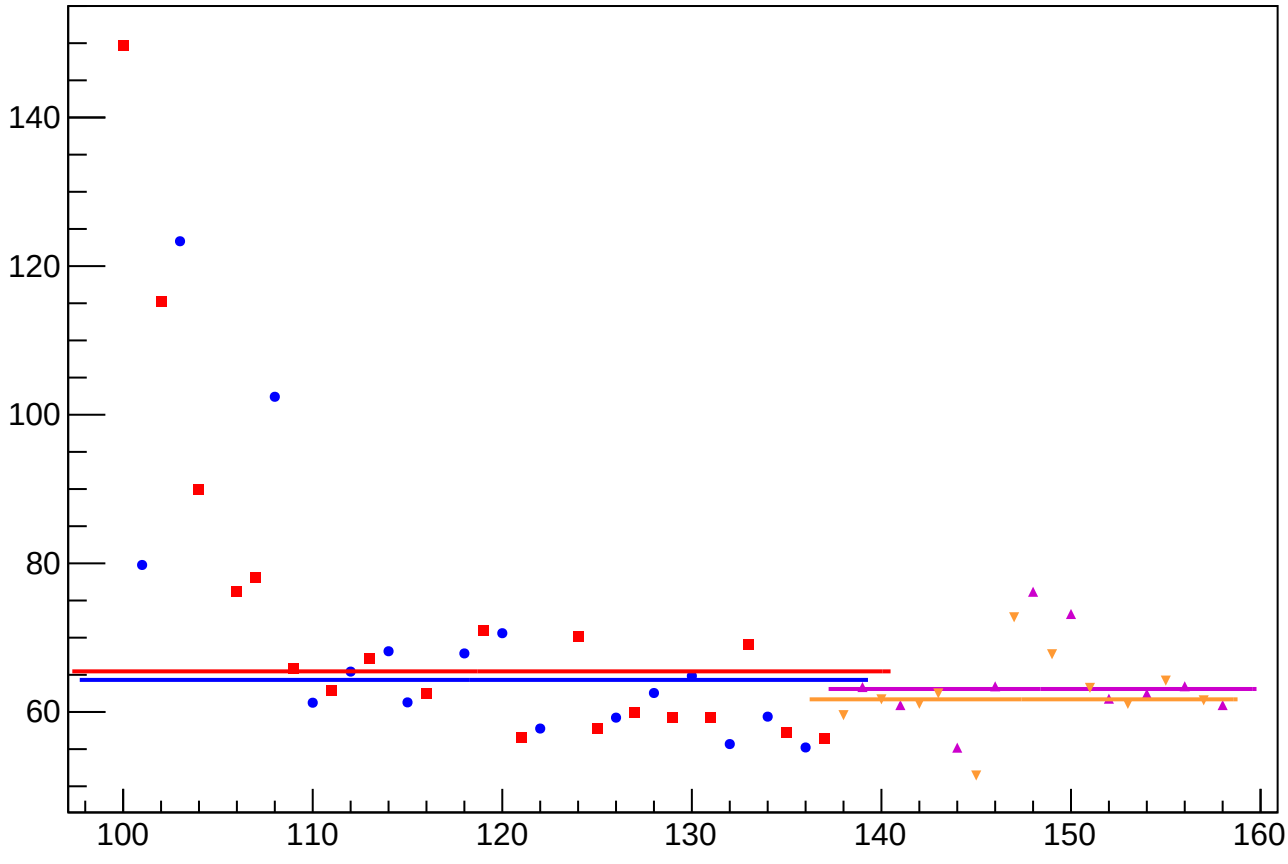
Left: -79.004+/-15.063 χ^2/NDF: 33.8/20

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -51.762+/-16.173 χ^2/NDF:49.2/25

Out: -25.842+/-15.990 χ^2/NDF:41.5/29

All: -38.654+/-11.371 χ^2/NDF: 92.0/55



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.702+/-0.015 χ^2/NDF:120989.1/10

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.094+/-0.015 χ^2/NDF:125412.3/9

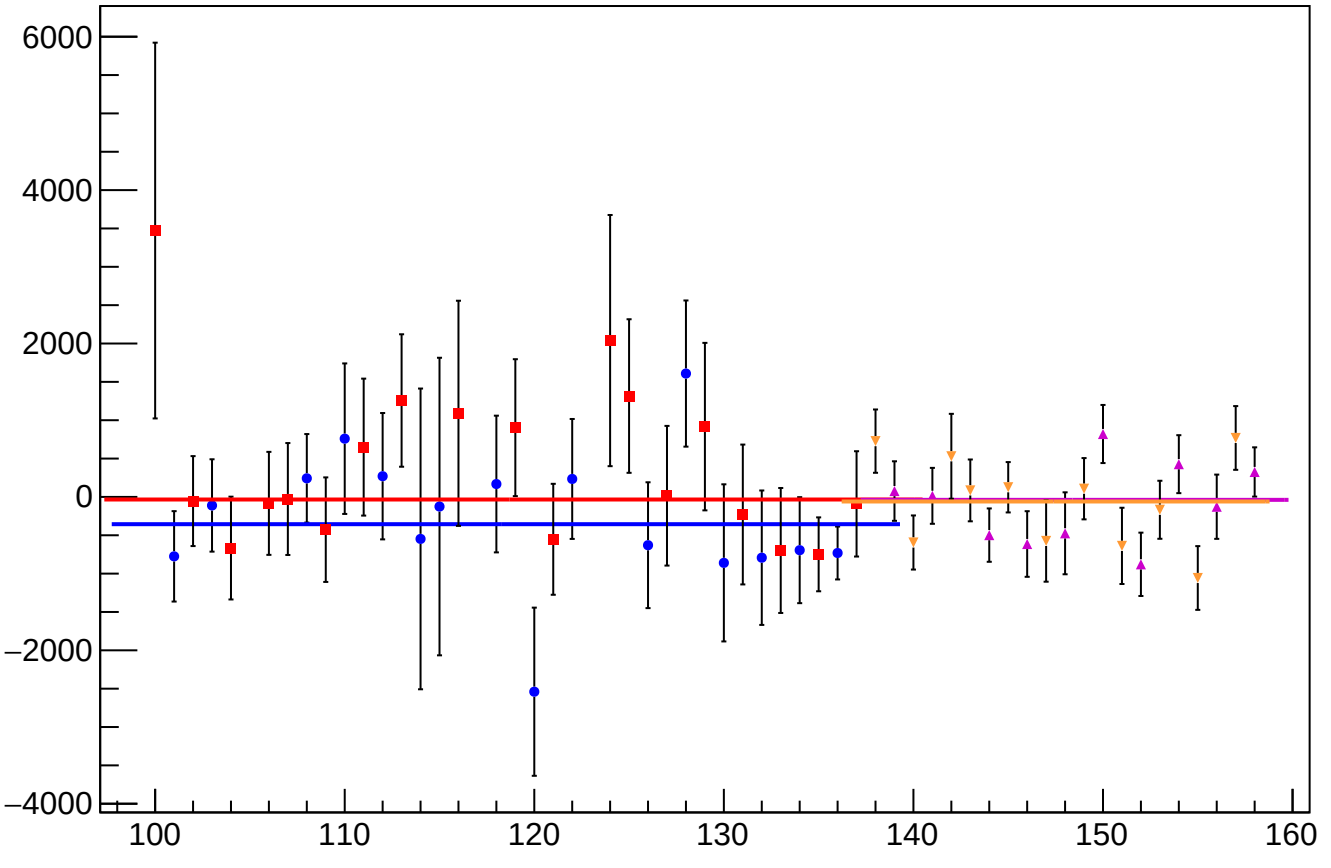
Left: 62.382+/-0.011 χ^2/NDF: 250671.4/20

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.628+/-0.011 χ^2/NDF:660286.8/25

Out: 63.297+/-0.011 χ^2/NDF:630415.7/29

All: 63.460+/-0.008 χ^2/NDF: 1291126.8/55



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -59.541+/-123.996 χ^2/NDF:19.8/10

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -38.224+/-122.511 χ^2/NDF:16.5/9

Left: -48.754+/-87.149 χ^2/NDF: 36.3/20

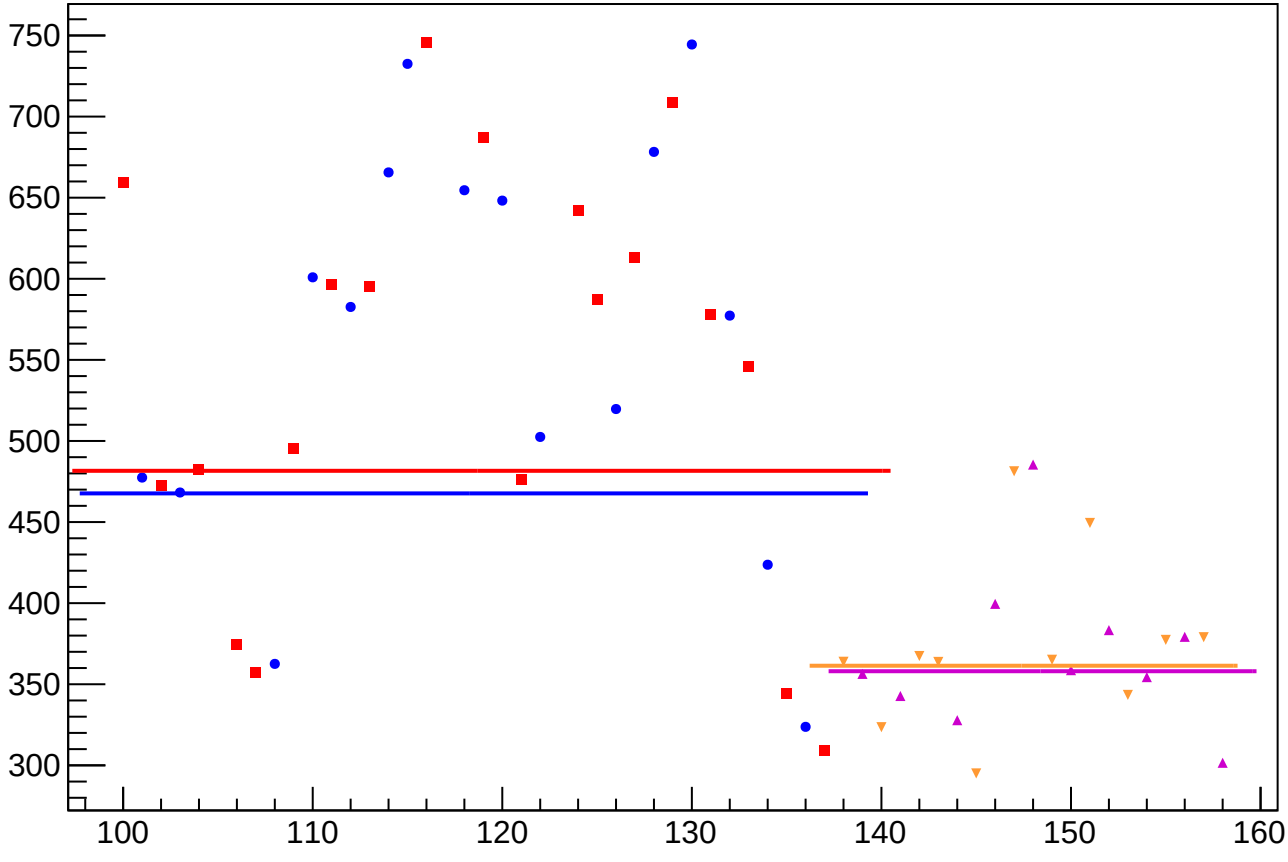
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -138.423+/-101.338 χ^2/NDF:33.4/25

Out: -51.349+/-102.395 χ^2/NDF:35.2/29

All: -95.338+/-72.028 χ^2/NDF: 68.9/55

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 361.418+/-0.088 χ^2/NDF:281025.9/10

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 358.032+/-0.087 χ^2/NDF:225848.2/9

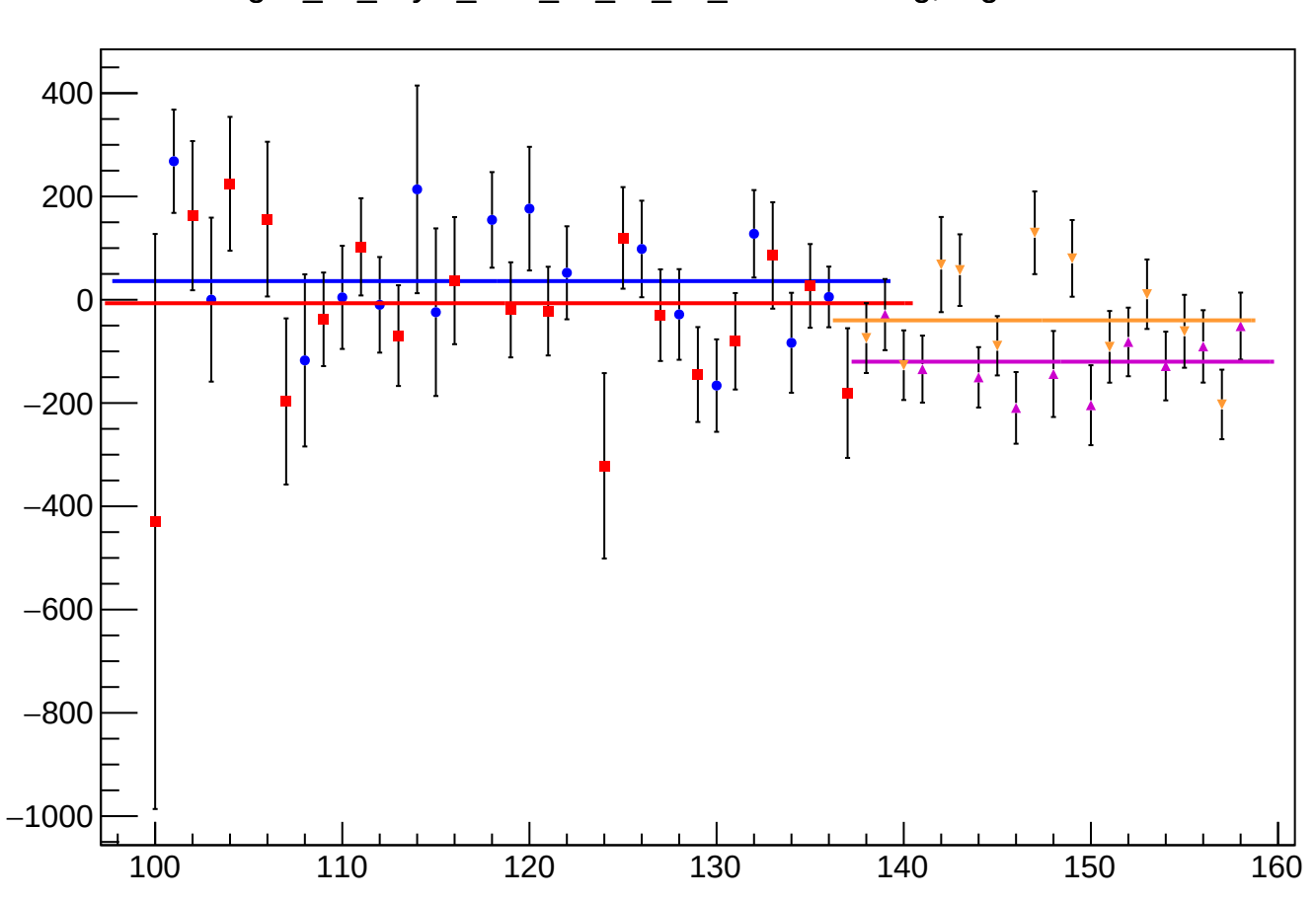
Left: 359.705+/-0.062 χ^2/NDF: 507628.7/20

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 392.655+/-0.072 χ^2/NDF:1717639.3/25

Out: 399.644+/-0.072 χ^2/NDF:1732895.6/29

All: 396.113+/-0.051 χ^2/NDF: 3455240.8/55



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -39.890+/-21.063 χ^2/NDF:20.1/10

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -119.948+/-21.551 χ^2/NDF:6.7/9

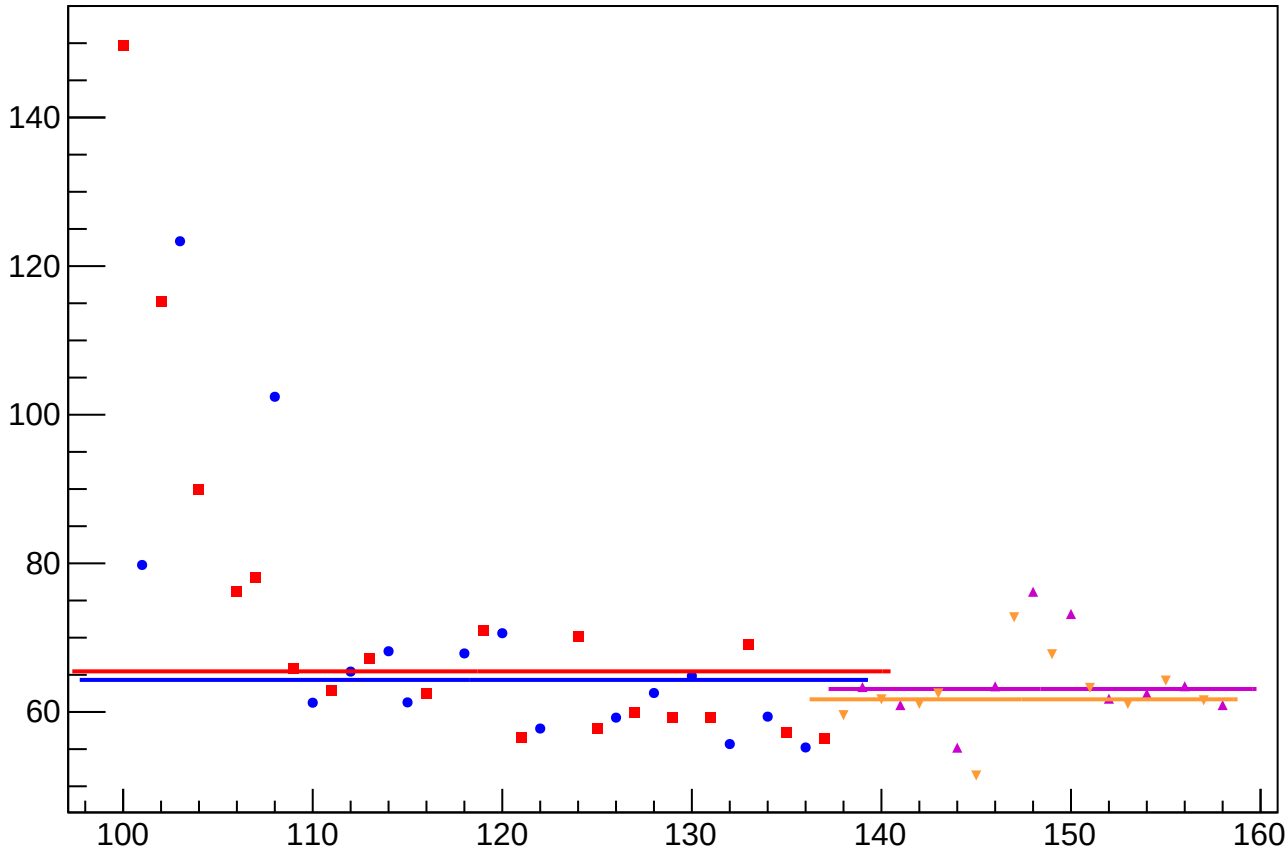
Left: -79.003+/-15.063 χ^2/NDF: 33.8/20

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -51.762+/-16.173 χ^2/NDF:49.2/25

Out: -25.841+/-15.990 χ^2/NDF:41.5/29

All: -38.654+/-11.371 χ^2/NDF: 92.0/55



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.702+/-0.015 χ^2/NDF:120992.3/10

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.094+/-0.015 χ^2/NDF:125414.7/9

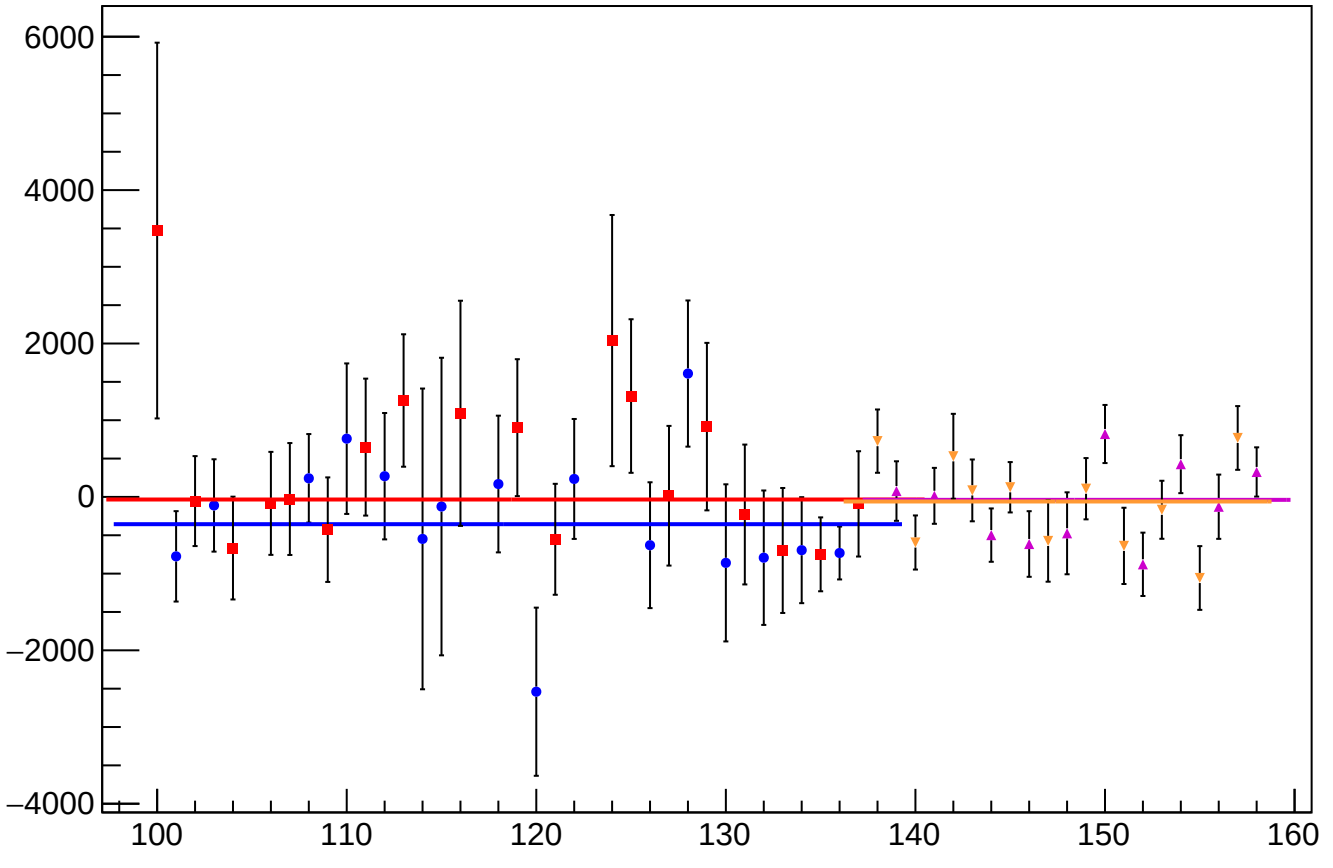
Left: 62.382+/-0.011 χ^2/NDF: 250676.9/20

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.628+/-0.011 χ^2/NDF:660296.7/25

Out: 63.297+/-0.011 χ^2/NDF:630421.8/29

All: 63.460+/-0.008 χ^2/NDF: 1291142.7/55



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -59.540+/-123.996 χ^2/NDF:19.8/10

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -38.224+/-122.511 χ^2/NDF:16.5/9

Left: -48.754+/-87.149 χ^2/NDF: 36.3/20

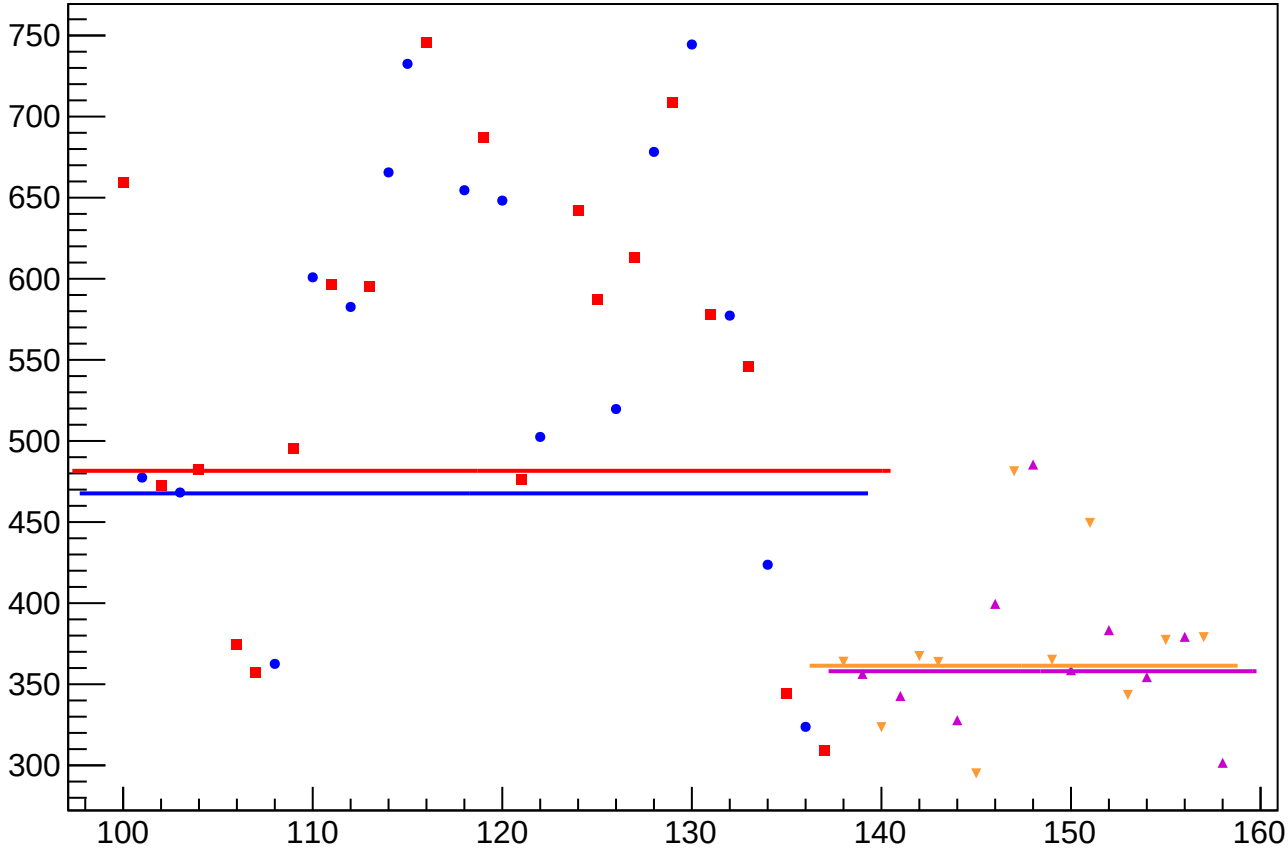
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -138.424+/-101.338 χ^2/NDF:33.4/25

Out: -51.349+/-102.395 χ^2/NDF:35.2/29

All: -95.338+/-72.028 χ^2/NDF: 68.9/55

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 361.419+/-0.088 χ^2/NDF:281025.4/10

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 358.033+/-0.087 χ^2/NDF:225849.2/9

Left: 359.705+/-0.062 χ^2/NDF: 507629.2/20

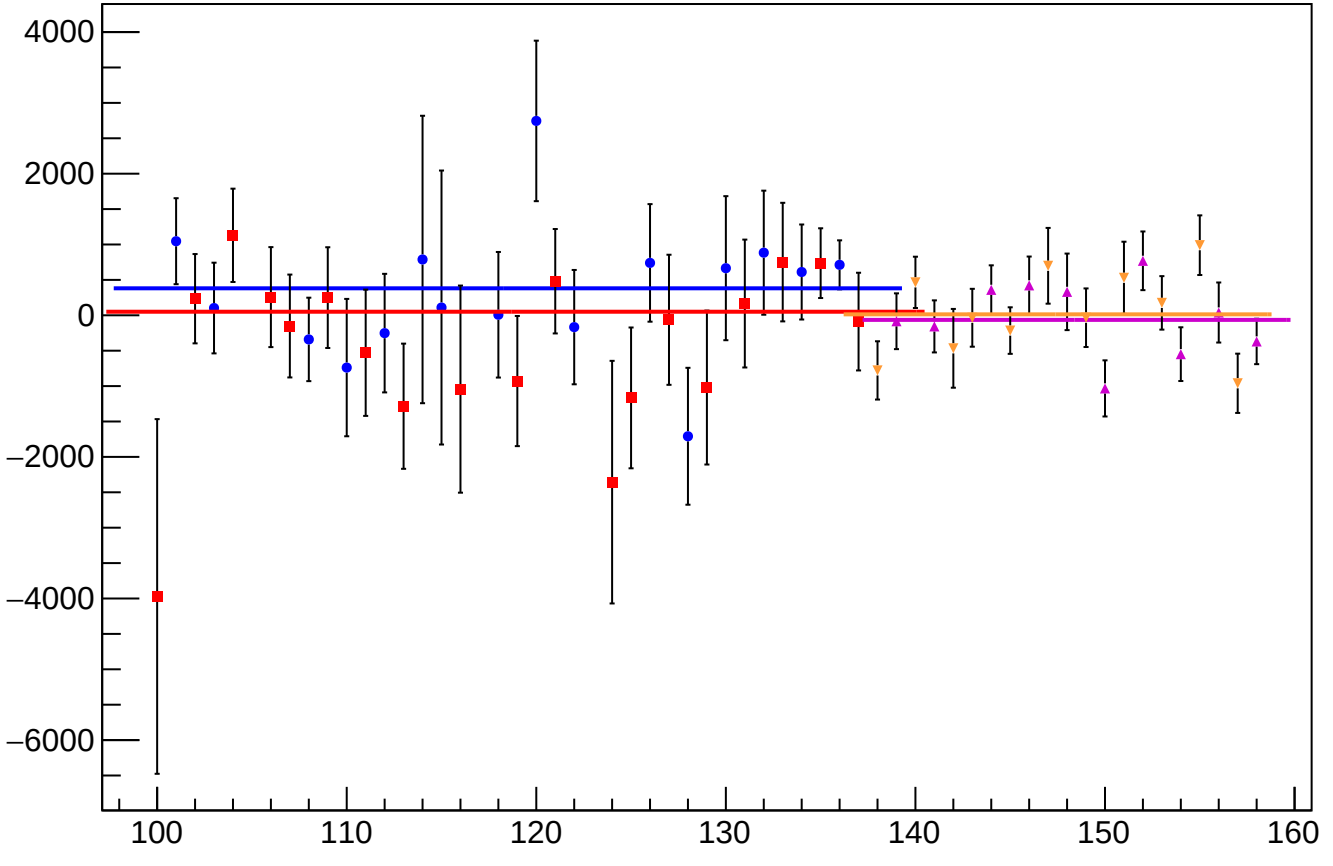
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 392.655+/-0.072 χ^2/NDF:1717635.5/25

Out: 399.644+/-0.072 χ^2/NDF:1732886.2/29

All: 396.113+/-0.051 χ^2/NDF: 3455227.5/55

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 13.279+/-125.461 χ^2/NDF:20.2/10

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -64.867+/-123.043 χ^2/NDF:16.1/9

Left: -26.554+/-87.847 χ^2/NDF: 36.5/20

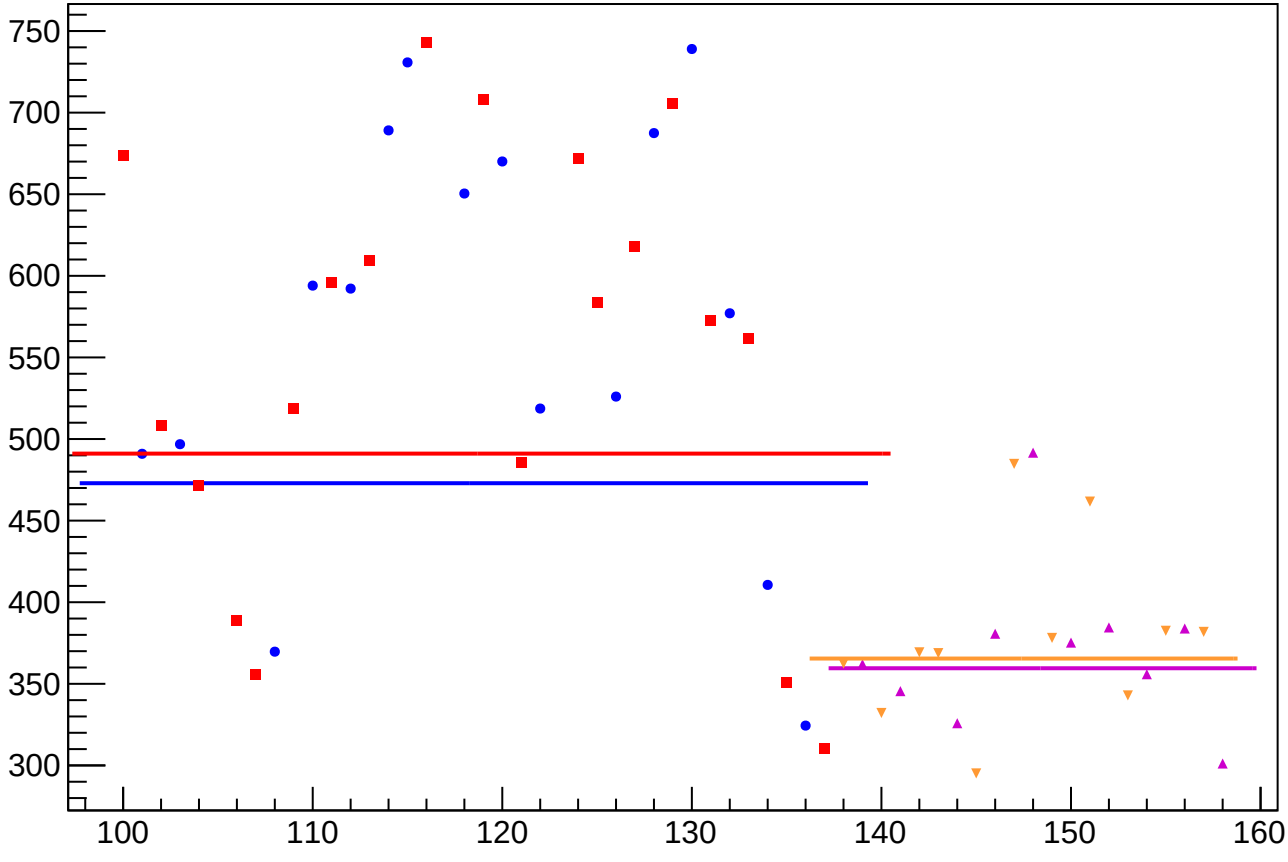
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 74.333+/-102.049 χ^2/NDF:36.4/25

Out: 24.948+/-103.882 χ^2/NDF:37.7/29

All: 50.080+/-72.799 χ^2/NDF: 74.2/55

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 365.490+/-0.089 χ^2/NDF:294946.8/10

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 359.543+/-0.087 χ^2/NDF:230200.9/9

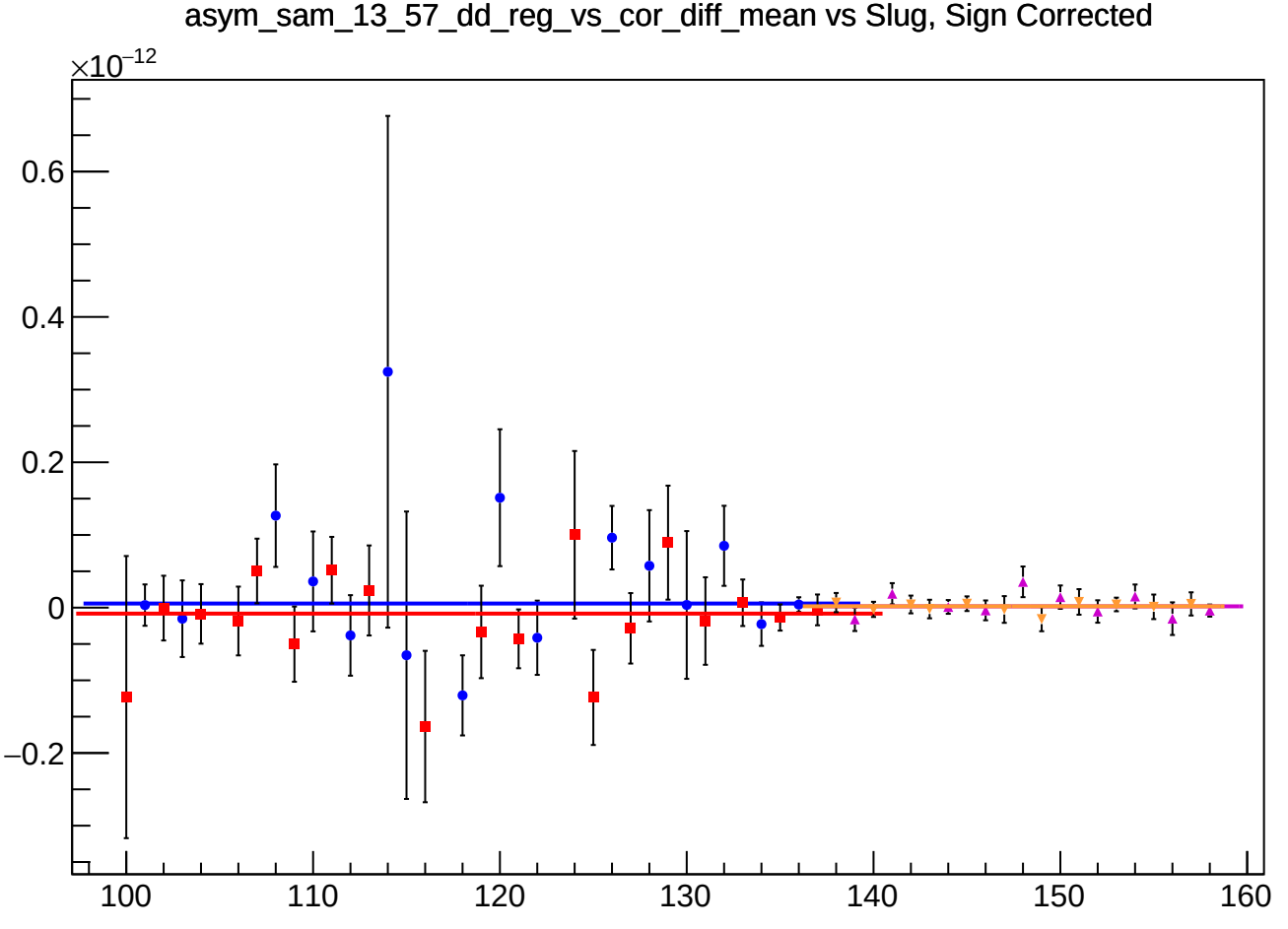
Left: 362.459+/-0.062 χ^2/NDF: 527438.7/20

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 394.934+/-0.072 χ^2/NDF:1760566.5/25

Out: 404.972+/-0.073 χ^2/NDF:1772393.0/29

All: 399.864+/-0.051 χ^2/NDF: 3542464.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/9

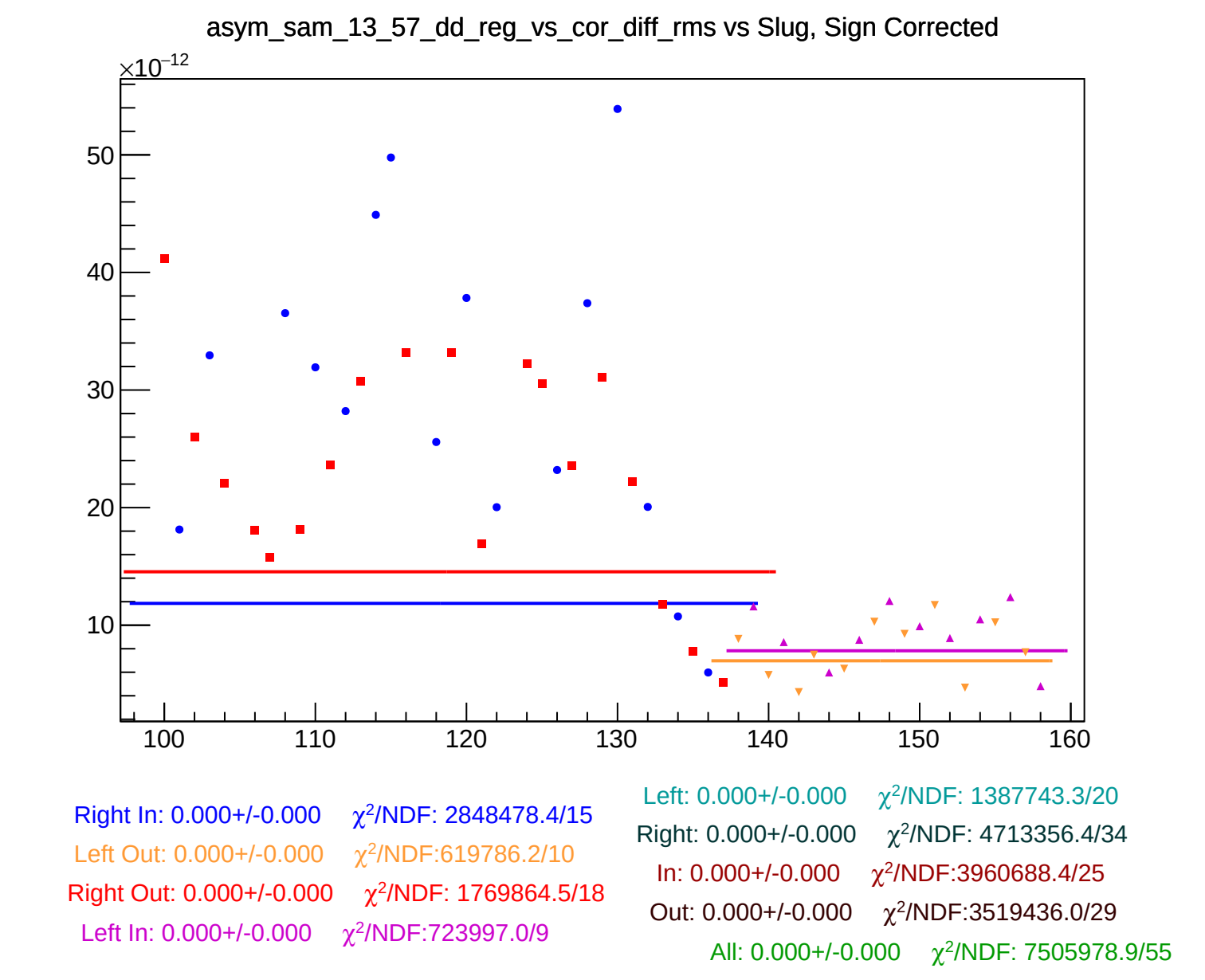
Left: 0.000+/-0.000 χ^2/NDF: 9.9/20

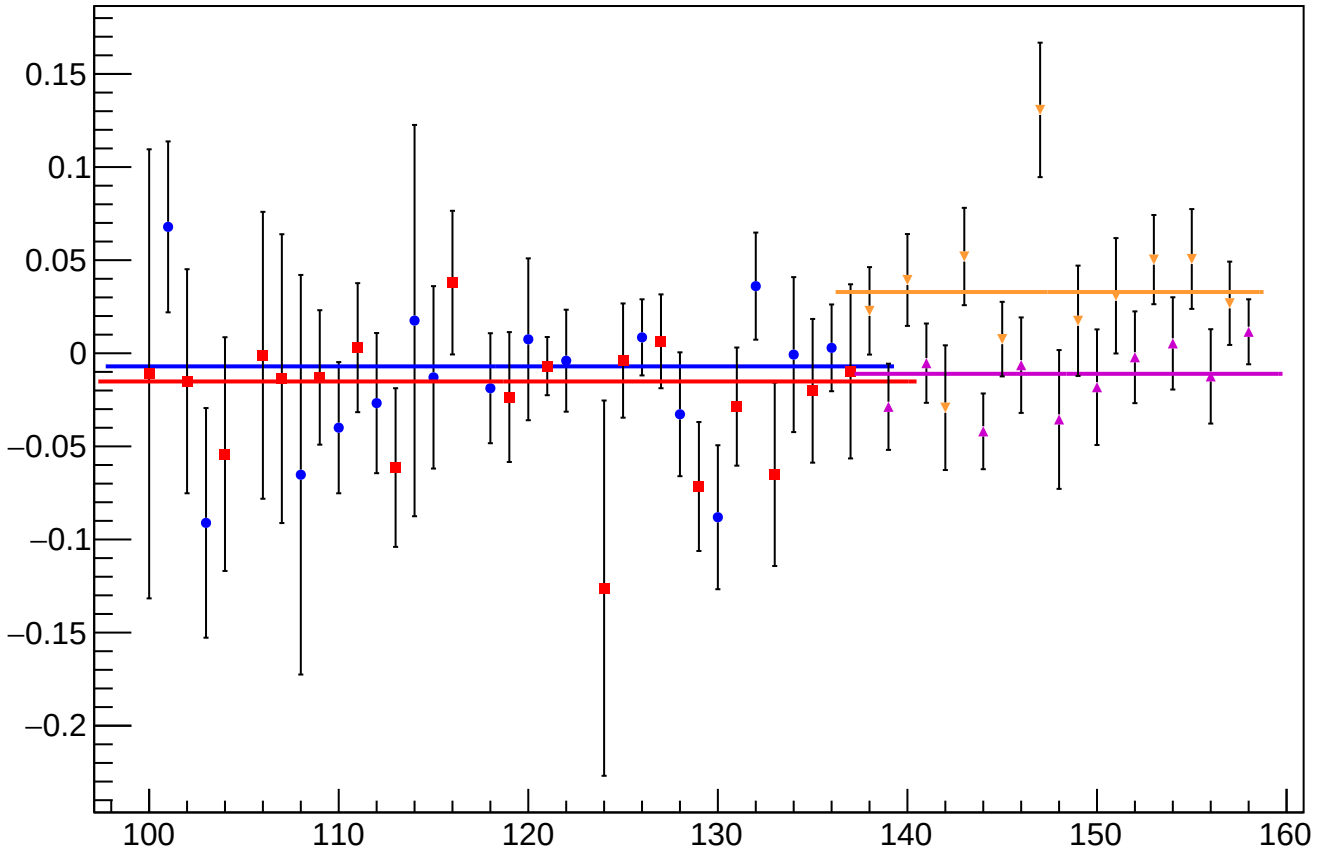
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:29.3/25

Out: 0.000+/-0.000 χ^2/NDF:17.0/29

All: 0.000+/-0.000 χ^2/NDF: 46.5/55


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:619786.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:723997.0/9
Left: 0.000+/-0.000 χ²/NDF: 1387743.3/20
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:3960688.4/25
Out: 0.000+/-0.000 χ²/NDF:3519436.0/29
All: 0.000+/-0.000 χ²/NDF: 7505978.9/55



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.033+/-0.008 χ^2/NDF:14.5/10

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.011+/-0.007 χ^2/NDF:5.7/9

Left: 0.010+/-0.005 χ^2/NDF: 36.7/20

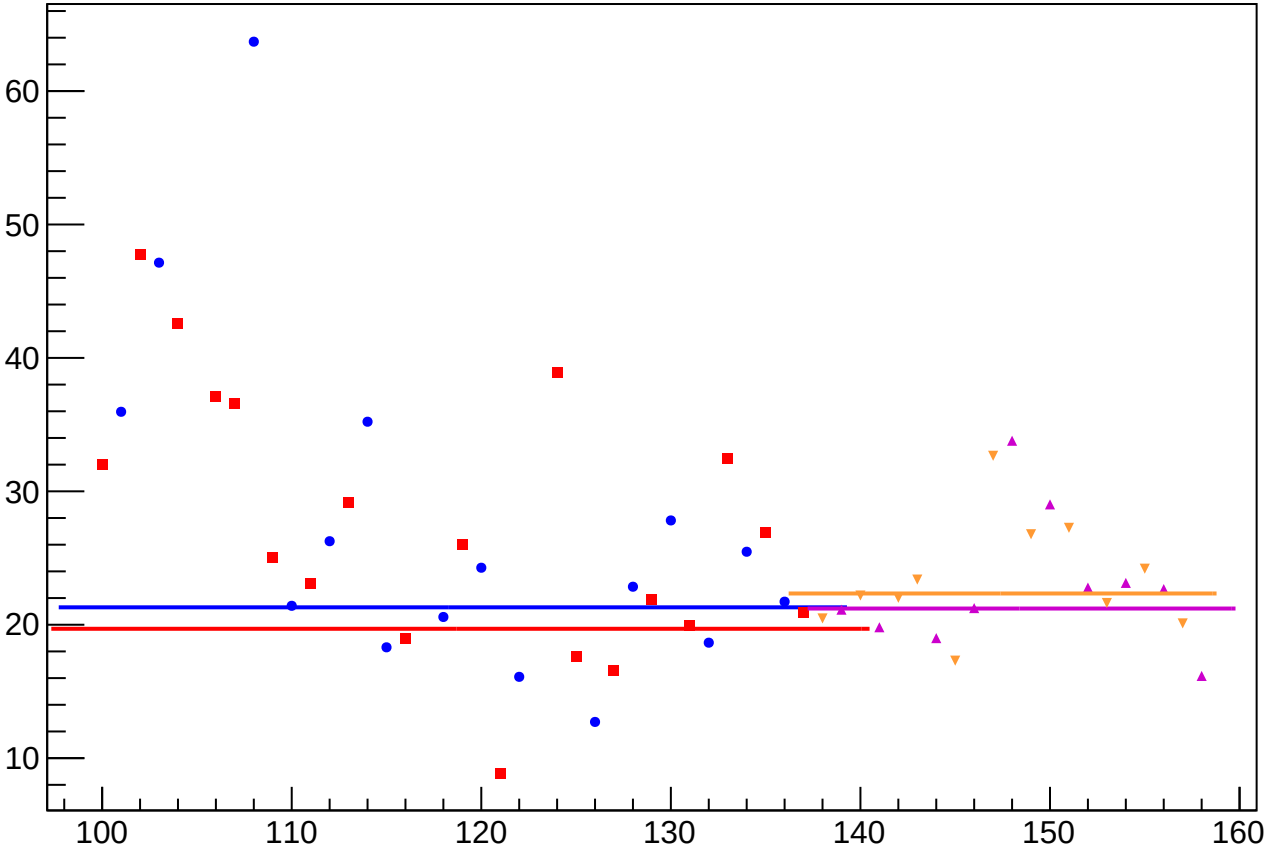
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.006 χ^2/NDF:20.2/25

Out: 0.010+/-0.006 χ^2/NDF:42.5/29

All: 0.000+/-0.004 χ^2/NDF: 68.6/55

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: 22.343+/-0.006 χ^2/NDF:432893.2/10

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.215+/-0.005 χ^2/NDF:581090.1/9

Left: 21.754+/-0.004 χ^2/NDF: 1035750.3/20

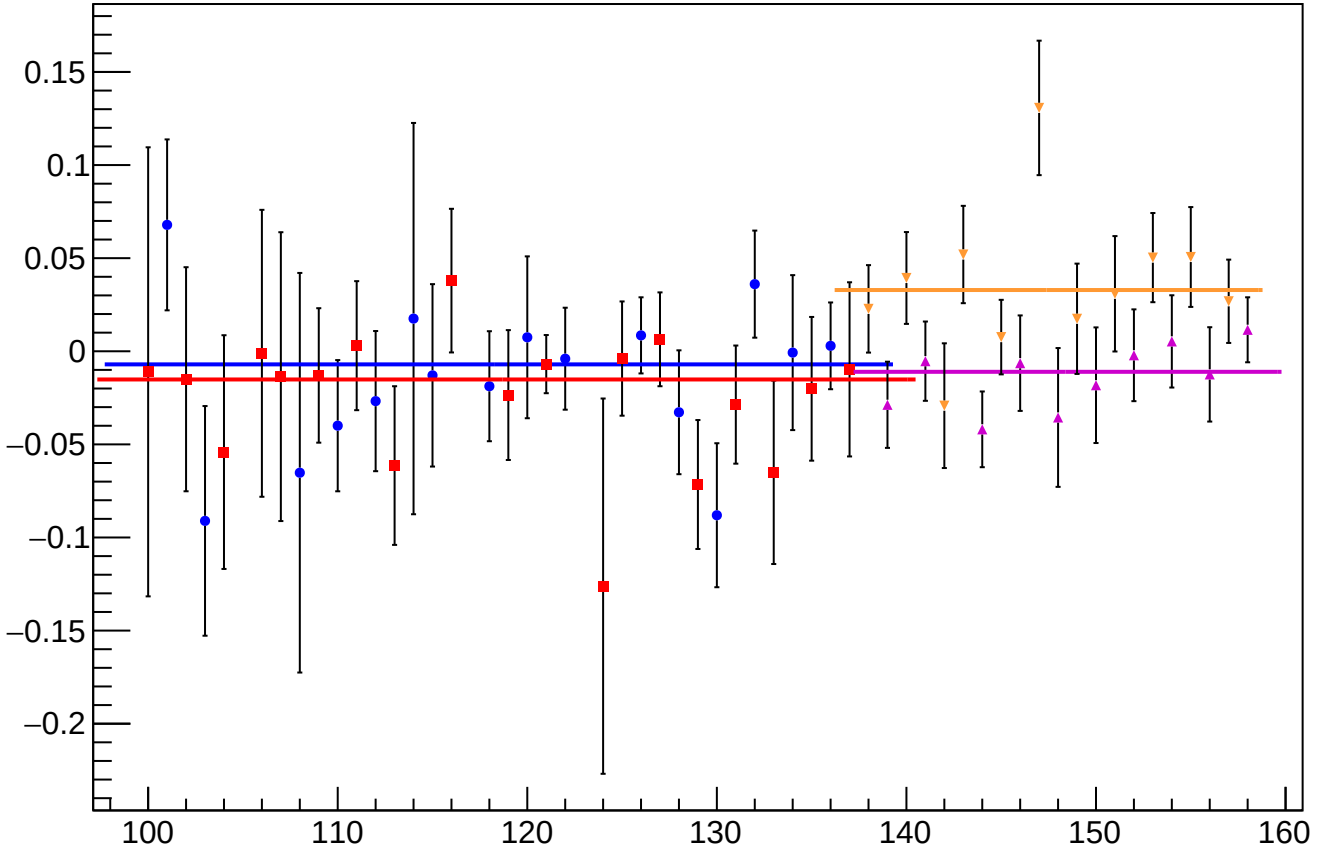
Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.253+/-0.004 χ^2/NDF:2060614.9/25

Out: 21.088+/-0.004 χ^2/NDF:2980679.9/29

All: 21.171+/-0.003 χ^2/NDF: 5042151.2/55

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: 0.033+/-0.008 χ^2/NDF:14.5/10

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.011+/-0.007 χ^2/NDF:5.7/9

Left: 0.010+/-0.005 χ^2/NDF: 36.7/20

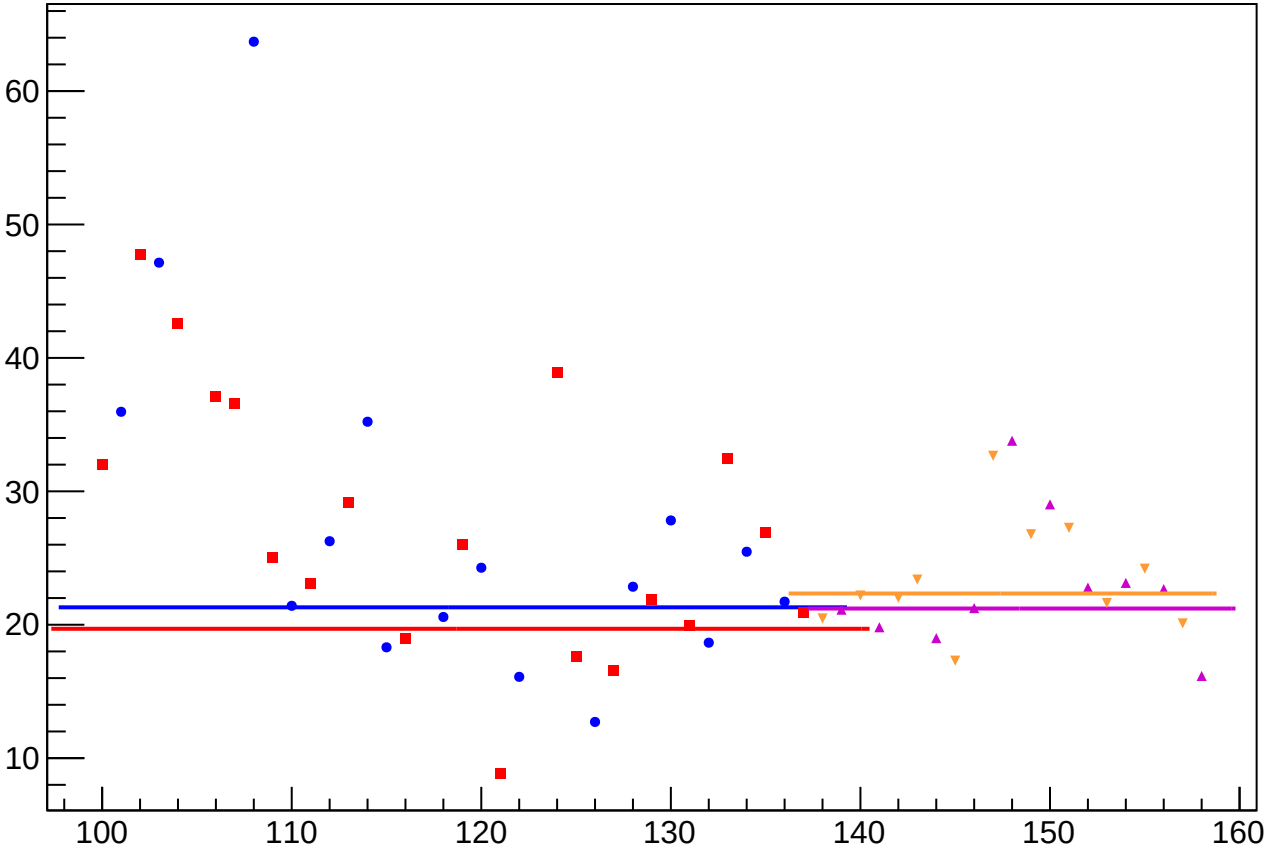
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.006 χ^2/NDF:20.2/25

Out: 0.010+/-0.006 χ^2/NDF:42.5/29

All: 0.000+/-0.004 χ^2/NDF: 68.6/55

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.343+/-0.006 χ^2/NDF:432893.2/10

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.215+/-0.005 χ^2/NDF:581090.1/9

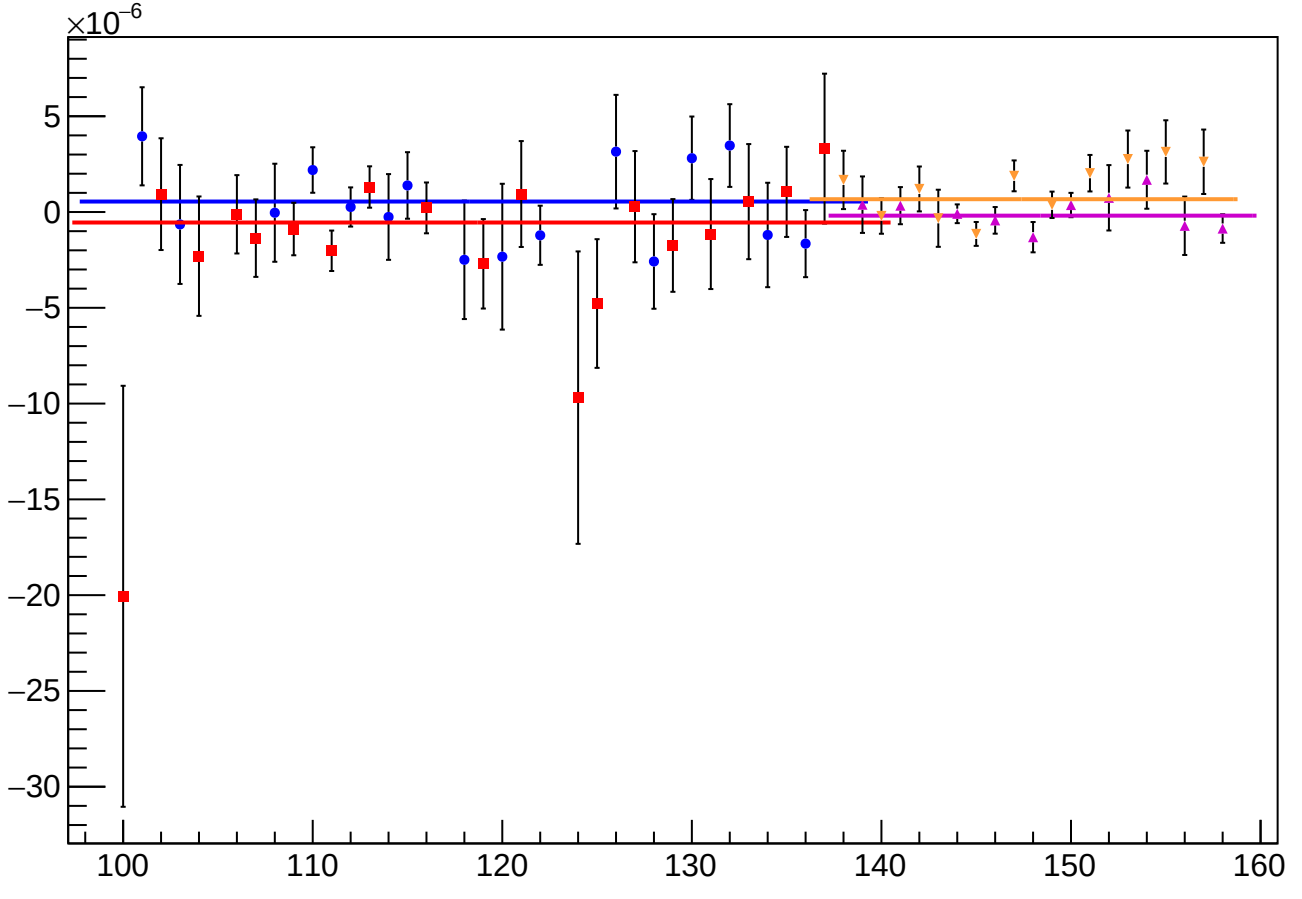
Left: 21.754+/-0.004 χ^2/NDF: 1035750.3/20

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.253+/-0.004 χ^2/NDF:2060614.9/25

Out: 21.088+/-0.004 χ^2/NDF:2980679.9/29

All: 21.171+/-0.003 χ^2/NDF: 5042151.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/9

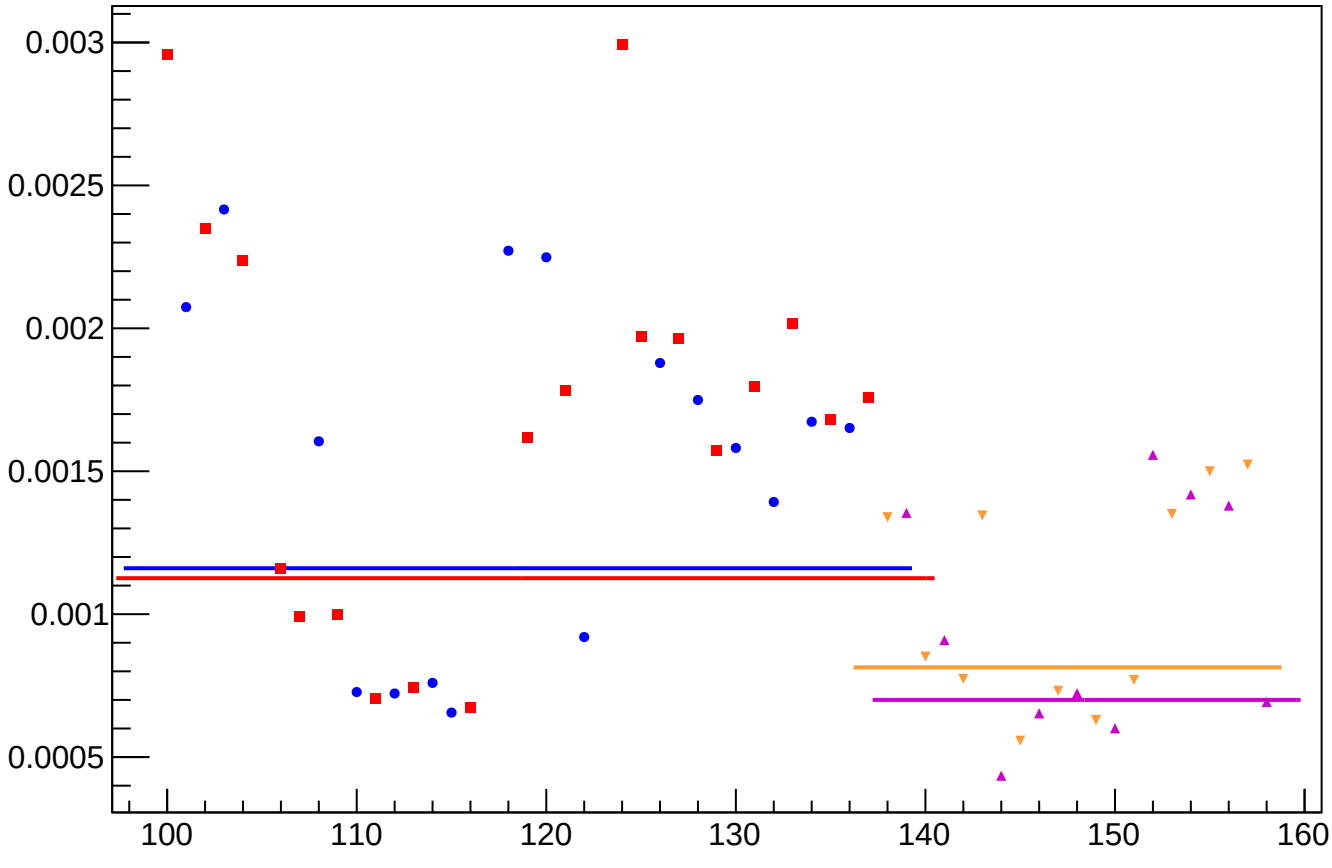
Left: 0.000+/-0.000 χ^2/NDF: 31.4/20

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:22.4/25

Out: 0.000+/-0.000 χ^2/NDF:40.8/29

All: 0.000+/-0.000 χ^2/NDF: 64.2/55



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1964894.3/10

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:2488577.5/9

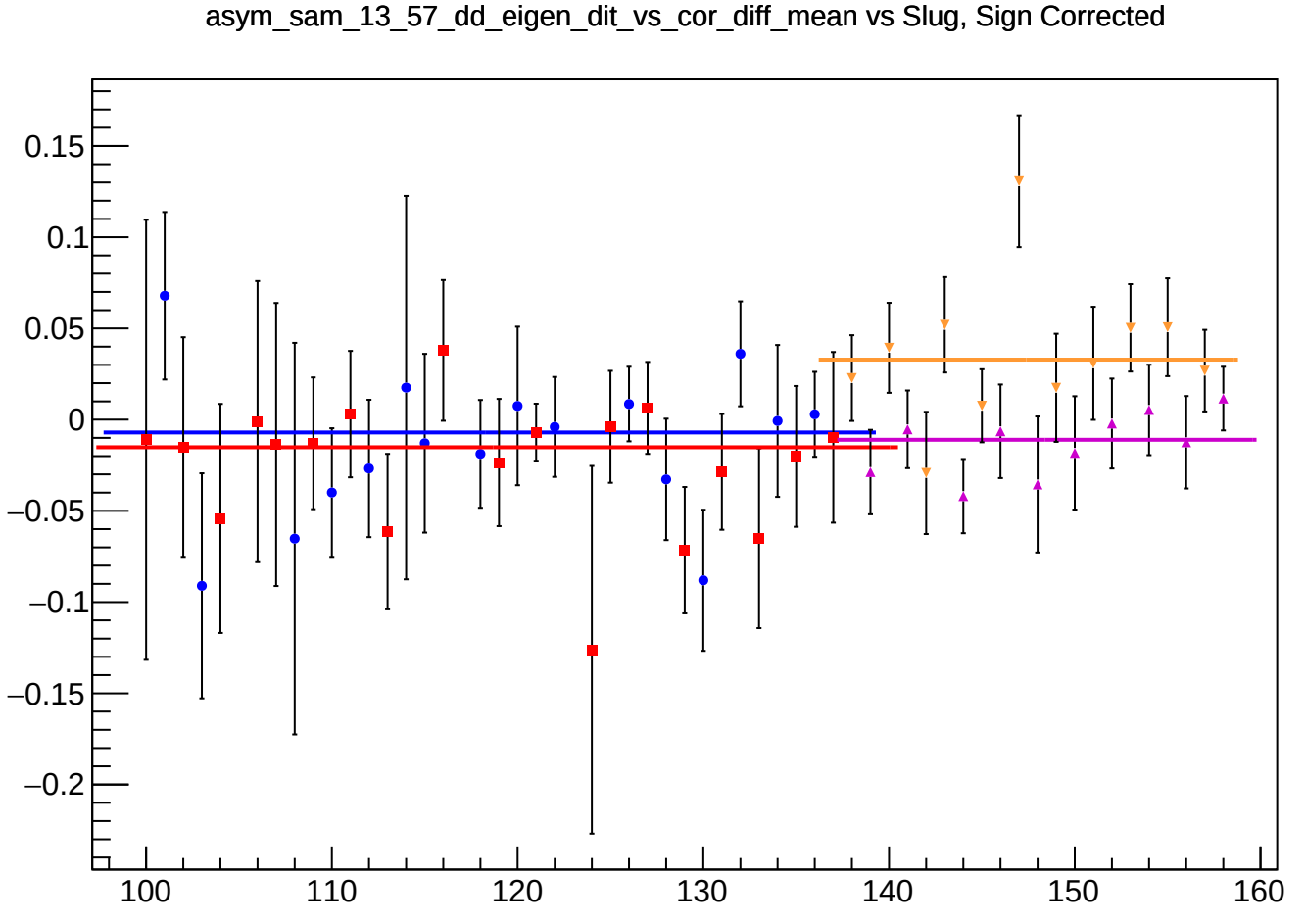
Left: 0.001+/-0.000 χ^2/NDF: 4619602.2/20

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:6454226.7/25

Out: 0.001+/-0.000 χ^2/NDF:5239333.6/29

All: 0.001+/-0.000 χ^2/NDF: 11875162.2/55



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.033+/-0.008 χ^2/NDF:14.5/10

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.011+/-0.007 χ^2/NDF:5.7/9

Left: 0.010+/-0.005 χ^2/NDF: 36.7/20

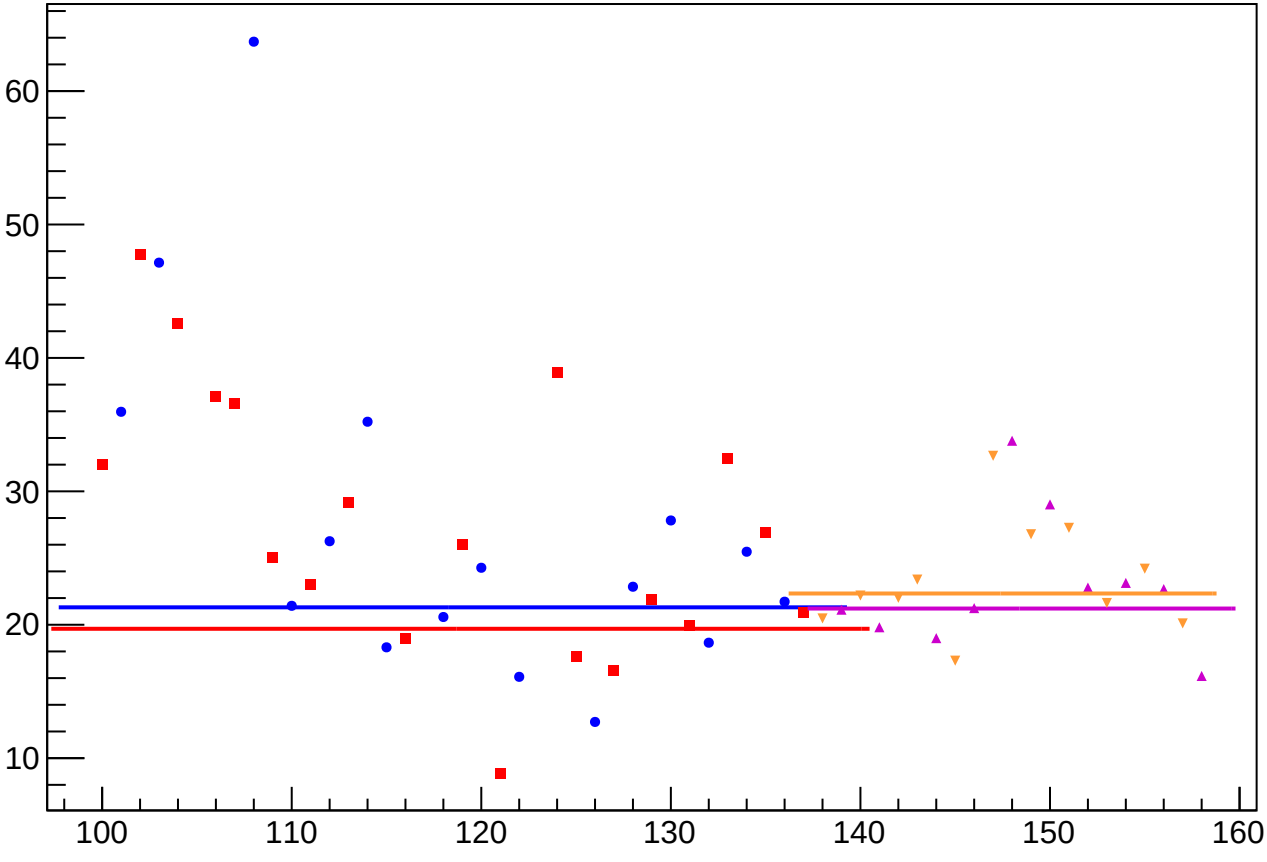
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.006 χ^2/NDF:20.2/25

Out: 0.010+/-0.006 χ^2/NDF:42.5/29

All: 0.000+/-0.004 χ^2/NDF: 68.6/55

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.343+/-0.006 χ^2/NDF:432920.9/10

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.215+/-0.005 χ^2/NDF:581166.8/9

Left: 21.754+/-0.004 χ^2/NDF: 1035861.3/20

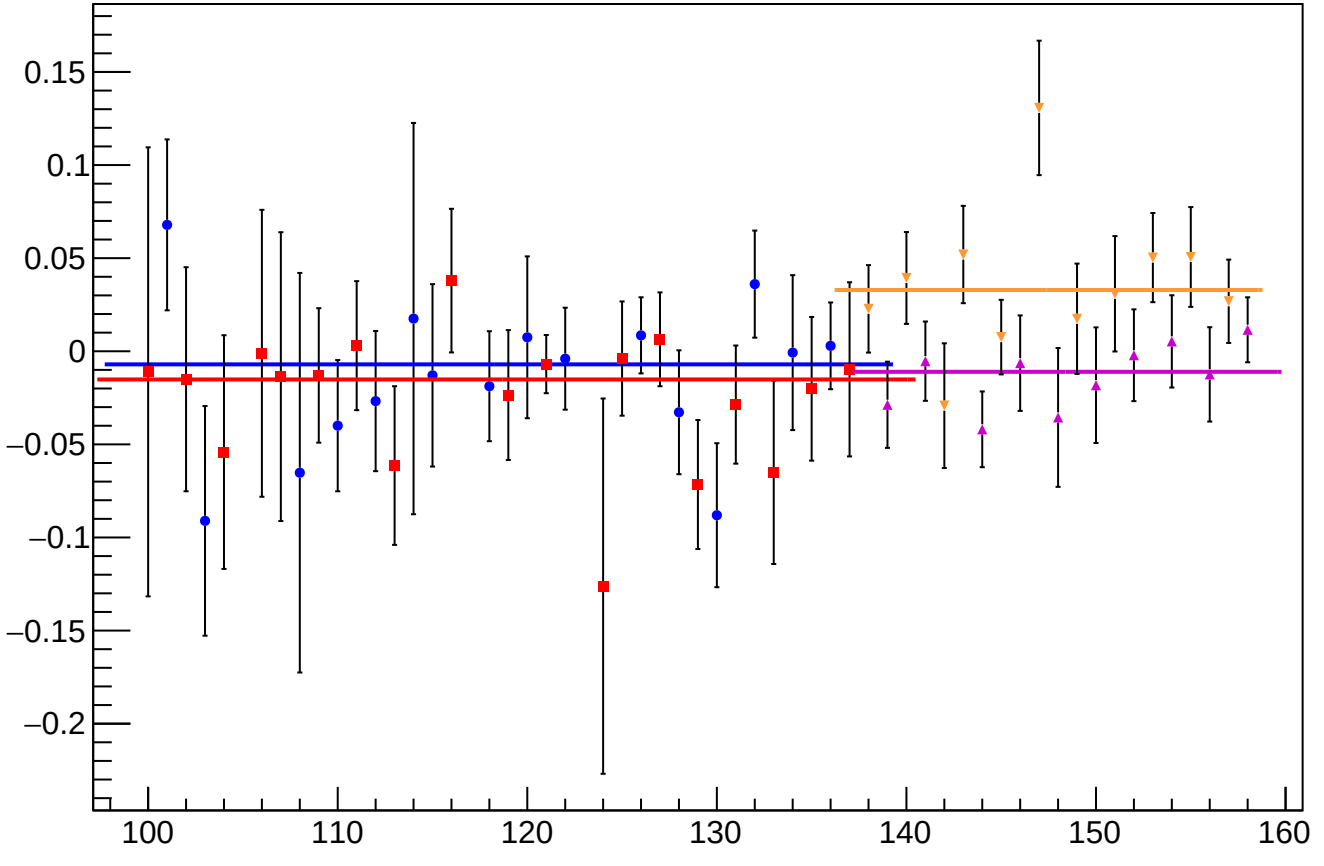
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.254+/-0.004 χ^2/NDF:2060525.2/25

Out: 21.088+/-0.004 χ^2/NDF:2980310.1/29

All: 21.171+/-0.003 χ^2/NDF: 5041688.9/55

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: 0.033+/-0.008 χ^2/NDF:14.5/10

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.011+/-0.007 χ^2/NDF:5.7/9

Left: 0.010+/-0.005 χ^2/NDF: 36.7/20

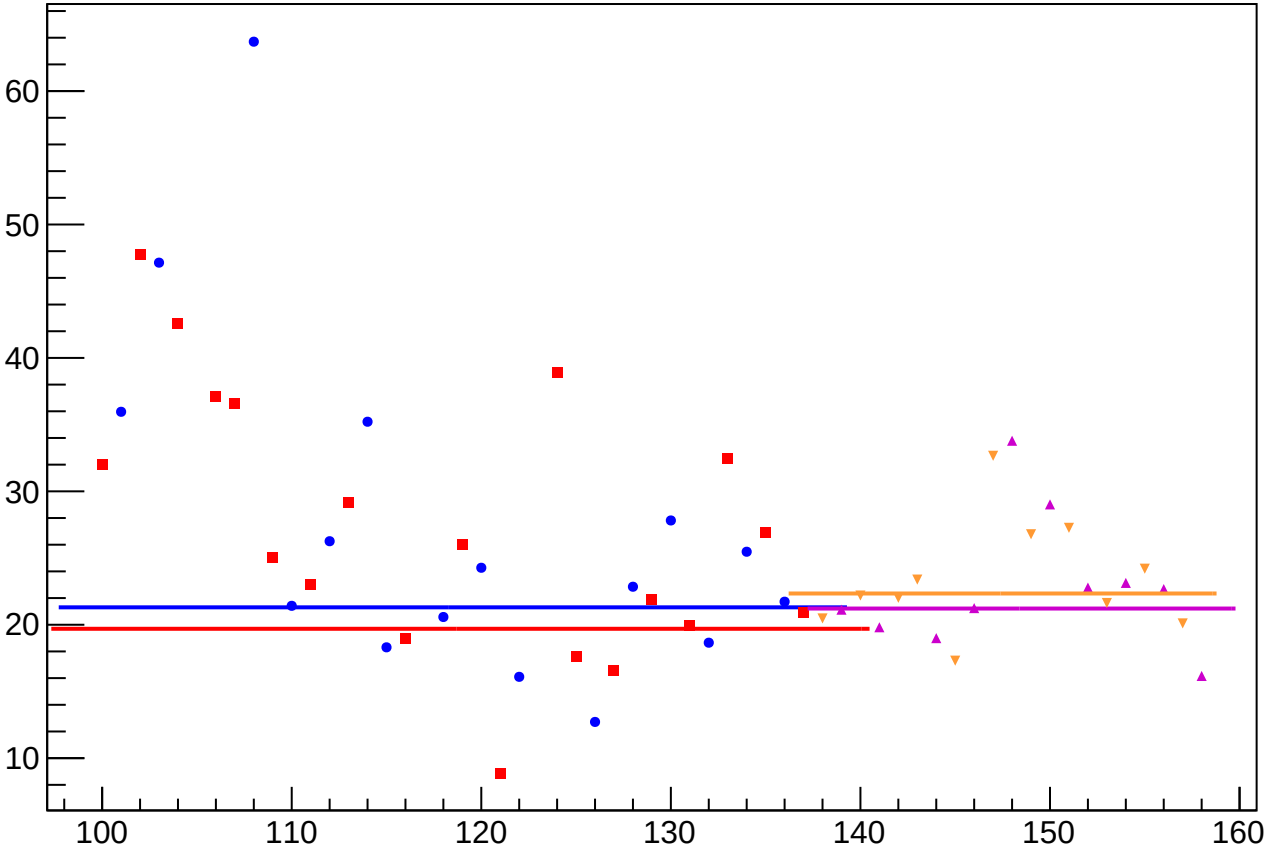
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.006 χ^2/NDF:20.2/25

Out: 0.010+/-0.006 χ^2/NDF:42.5/29

All: 0.000+/-0.004 χ^2/NDF: 68.6/55

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.343+/-0.006 χ^2/NDF:432920.9/10

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.215+/-0.005 χ^2/NDF:581166.8/9

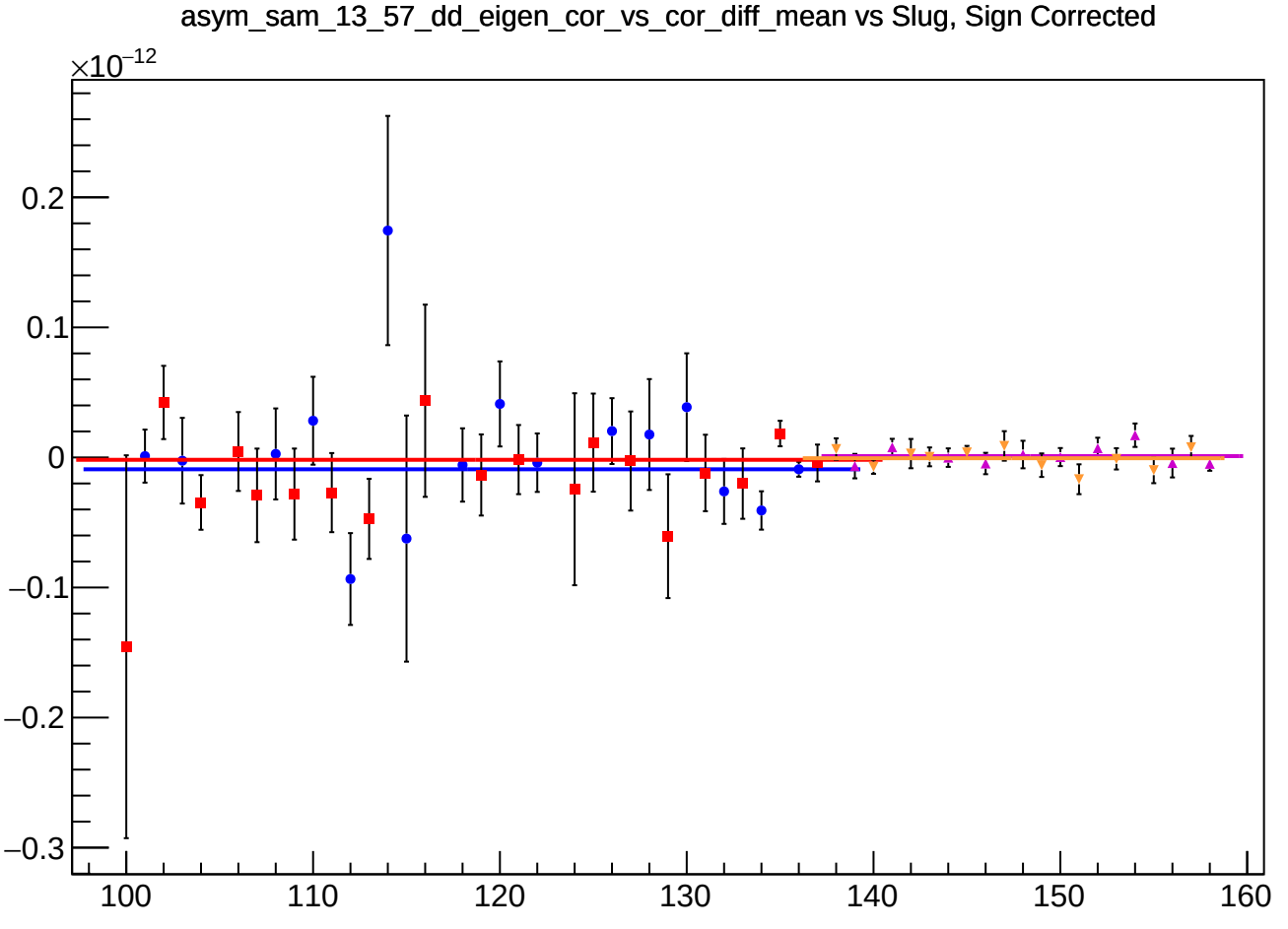
Left: 21.754+/-0.004 χ^2/NDF: 1035861.3/20

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.254+/-0.004 χ^2/NDF:2060525.2/25

Out: 21.088+/-0.004 χ^2/NDF:2980310.1/29

All: 21.171+/-0.003 χ^2/NDF: 5041688.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/9

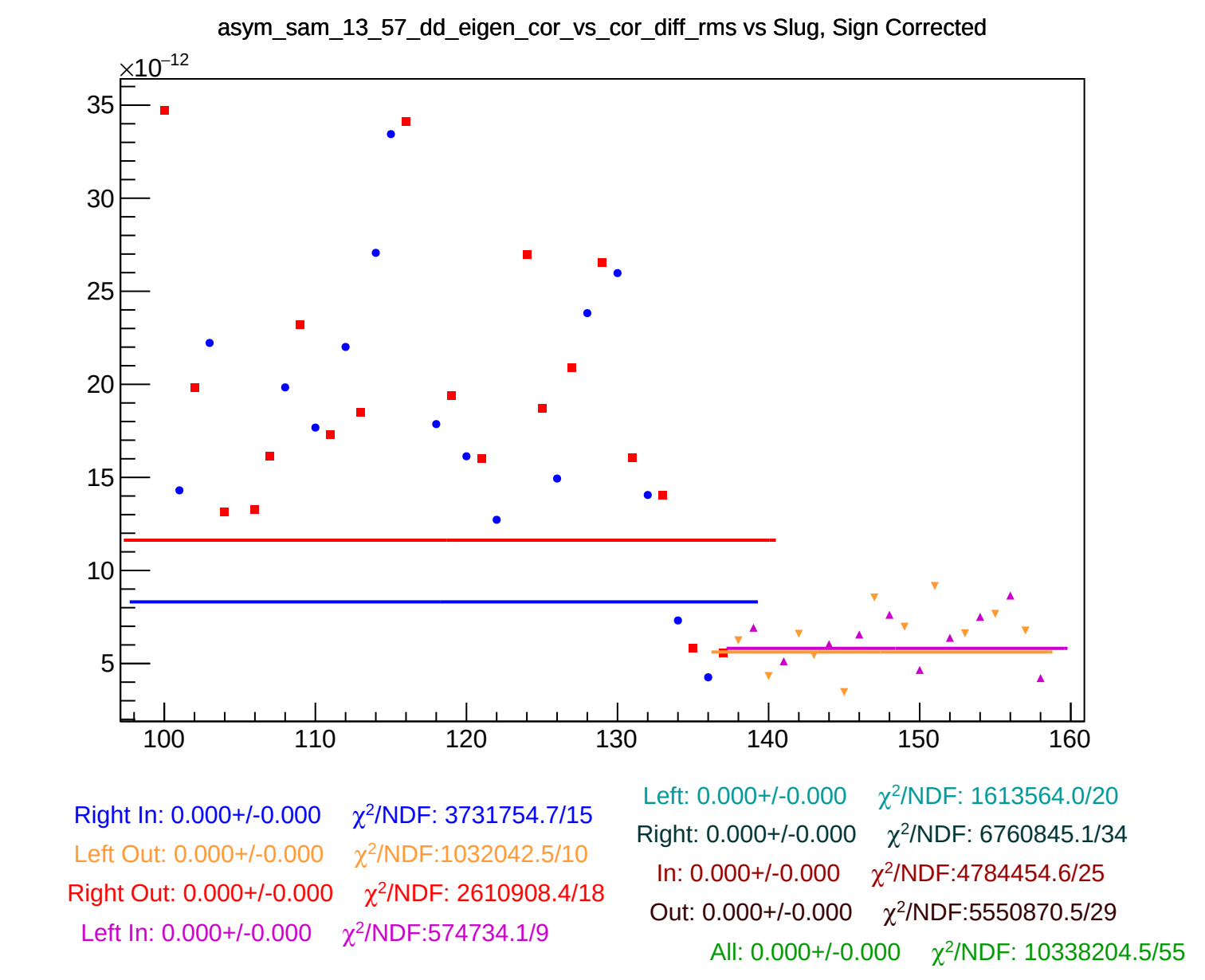
Left: 0.000+/-0.000 χ^2/NDF: 15.7/20

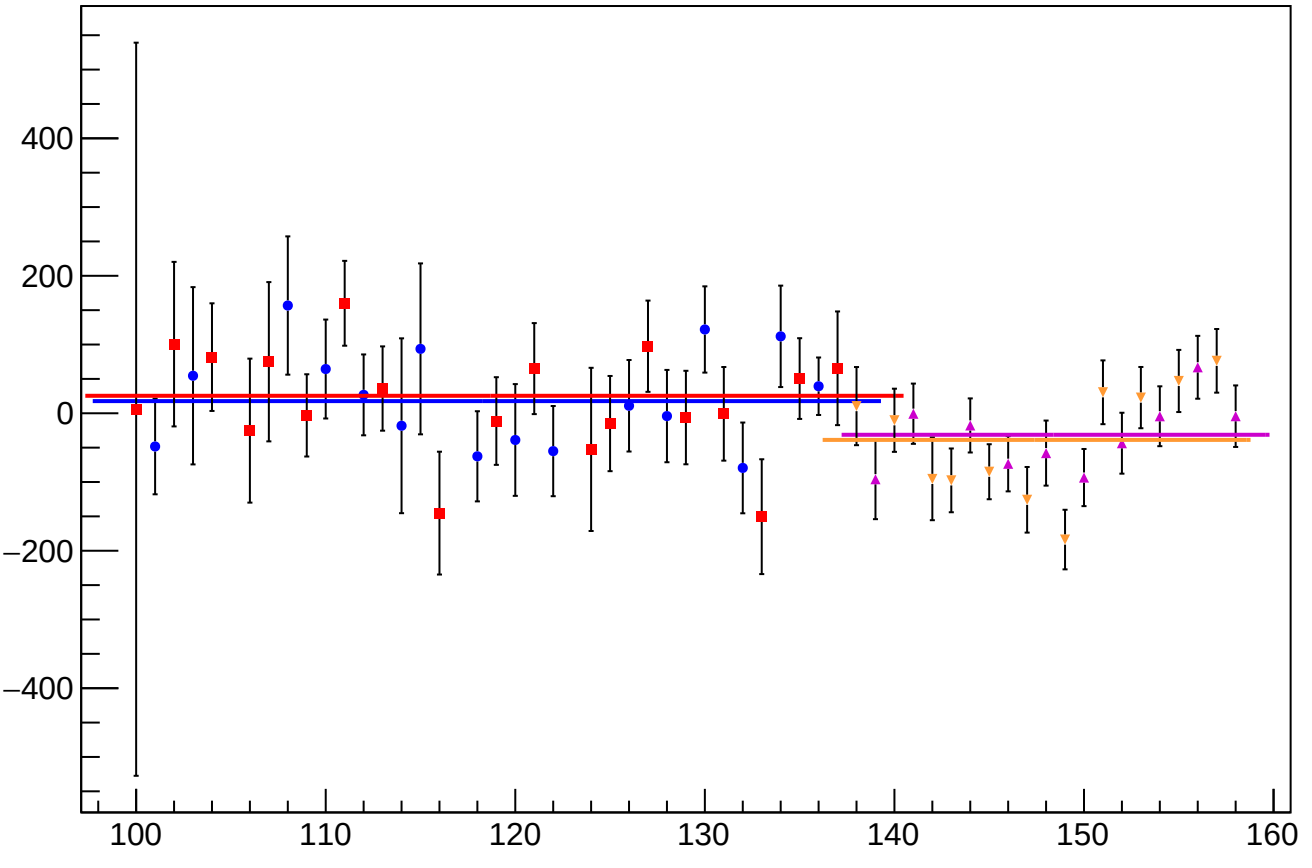
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:34.0/25

Out: -0.000+/-0.000 χ^2/NDF:25.0/29

All: -0.000+/-0.000 χ^2/NDF: 59.0/55


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1032042.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:574734.1/9
Left: 0.000+/-0.000 χ²/NDF: 1613564.0/20
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:4784454.6/25
Out: 0.000+/-0.000 χ²/NDF:5550870.5/29
All: 0.000+/-0.000 χ²/NDF: 10338204.5/55



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -38.740+/-14.079 χ^2/NDF:33.4/10

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -31.293+/-13.974 χ^2/NDF:10.9/9

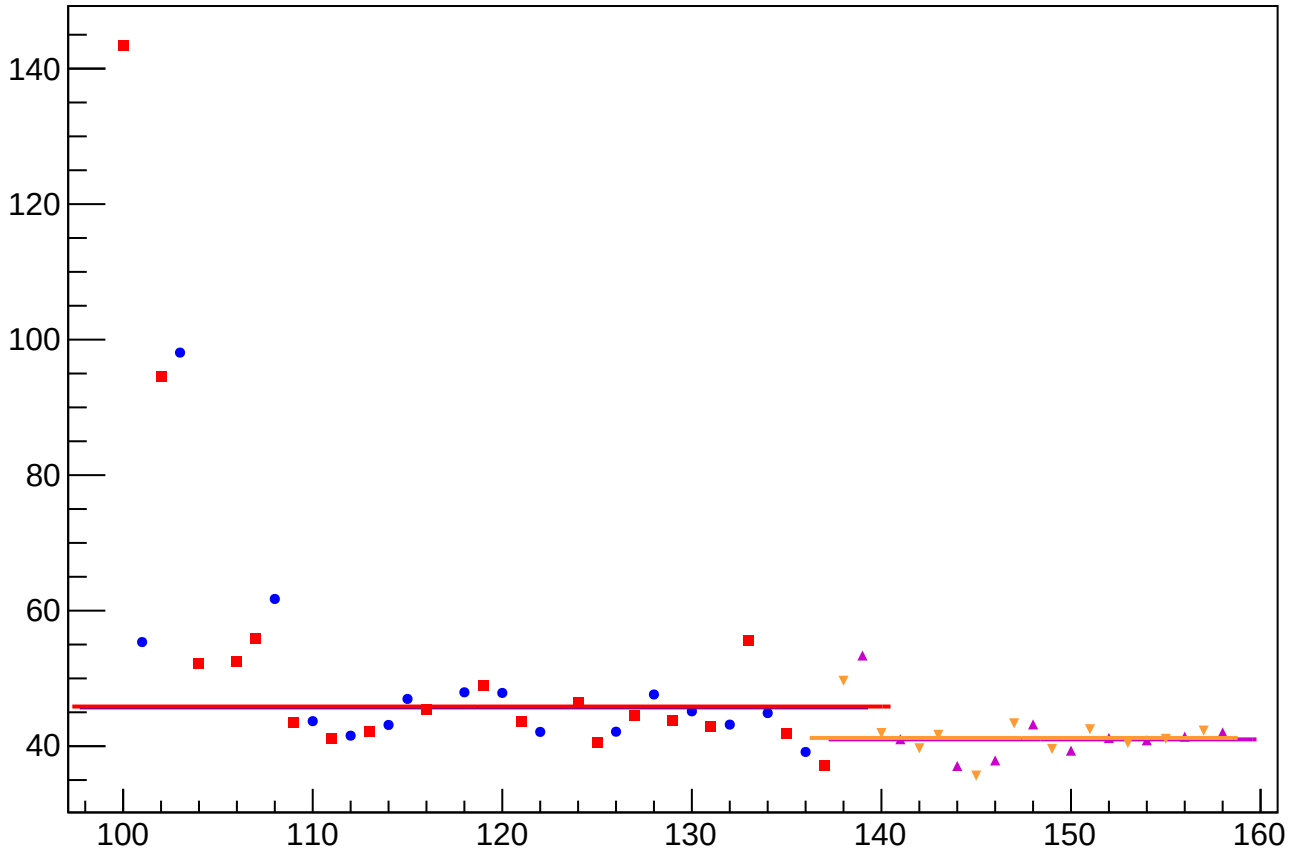
Left: -34.989+/-9.918 χ^2/NDF: 44.5/20

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -12.176+/-10.913 χ^2/NDF:29.7/25

Out: -13.235+/-10.929 χ^2/NDF:59.5/29

All: -12.705+/-7.722 χ^2/NDF: 89.2/55



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.215+/-0.010 χ^2/NDF:94716.9/10

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

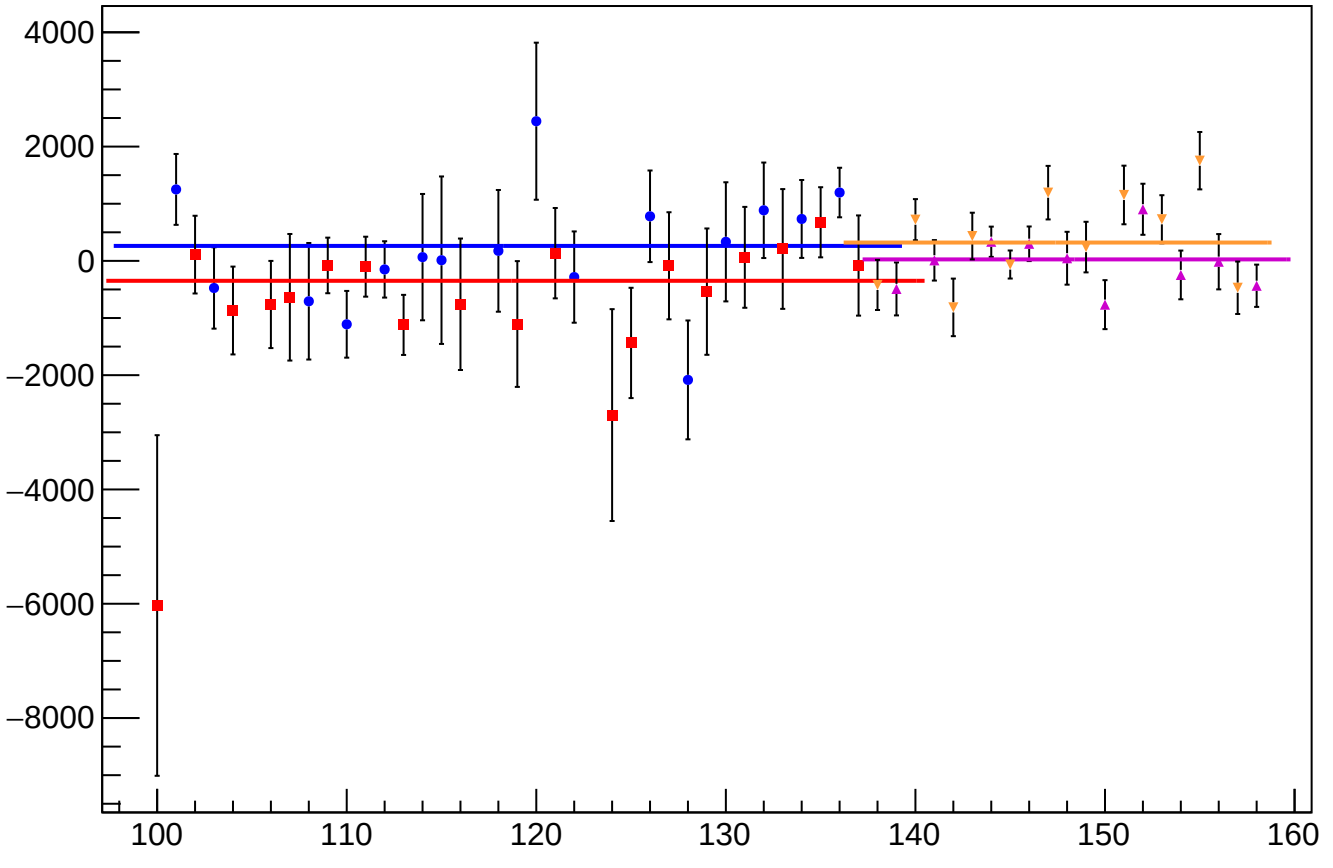
Left: 41.107+/-0.007 χ^2/NDF: 226385.3/20

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.844+/-0.008 χ^2/NDF:722169.3/25

Out: 43.057+/-0.008 χ^2/NDF:720986.4/29

All: 42.950+/-0.005 χ^2/NDF: 1443533.6/55



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 320.849+/-121.932 χ^2/NDF:29.9/10

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 25.839+/-119.499 χ^2/NDF:12.7/9

Left: 170.371+/-85.346 χ^2/NDF: 45.5/20

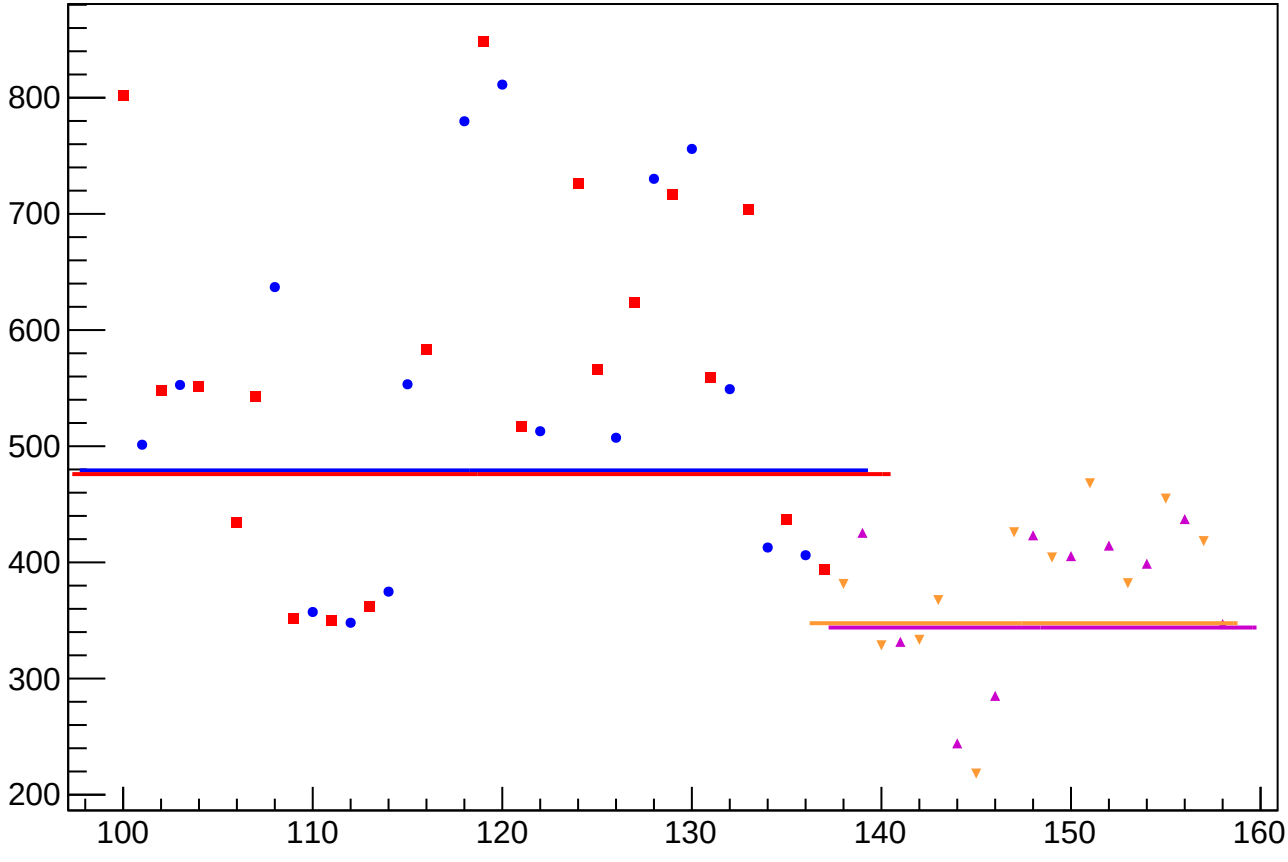
Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 95.237+/-100.412 χ^2/NDF:38.8/25

Out: 111.345+/-101.070 χ^2/NDF:54.2/29

All: 103.238+/-71.234 χ^2/NDF: 93.0/55

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 347.640+/-0.086 χ^2/NDF:930948.6/10

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 343.921+/-0.084 χ^2/NDF:681418.8/9

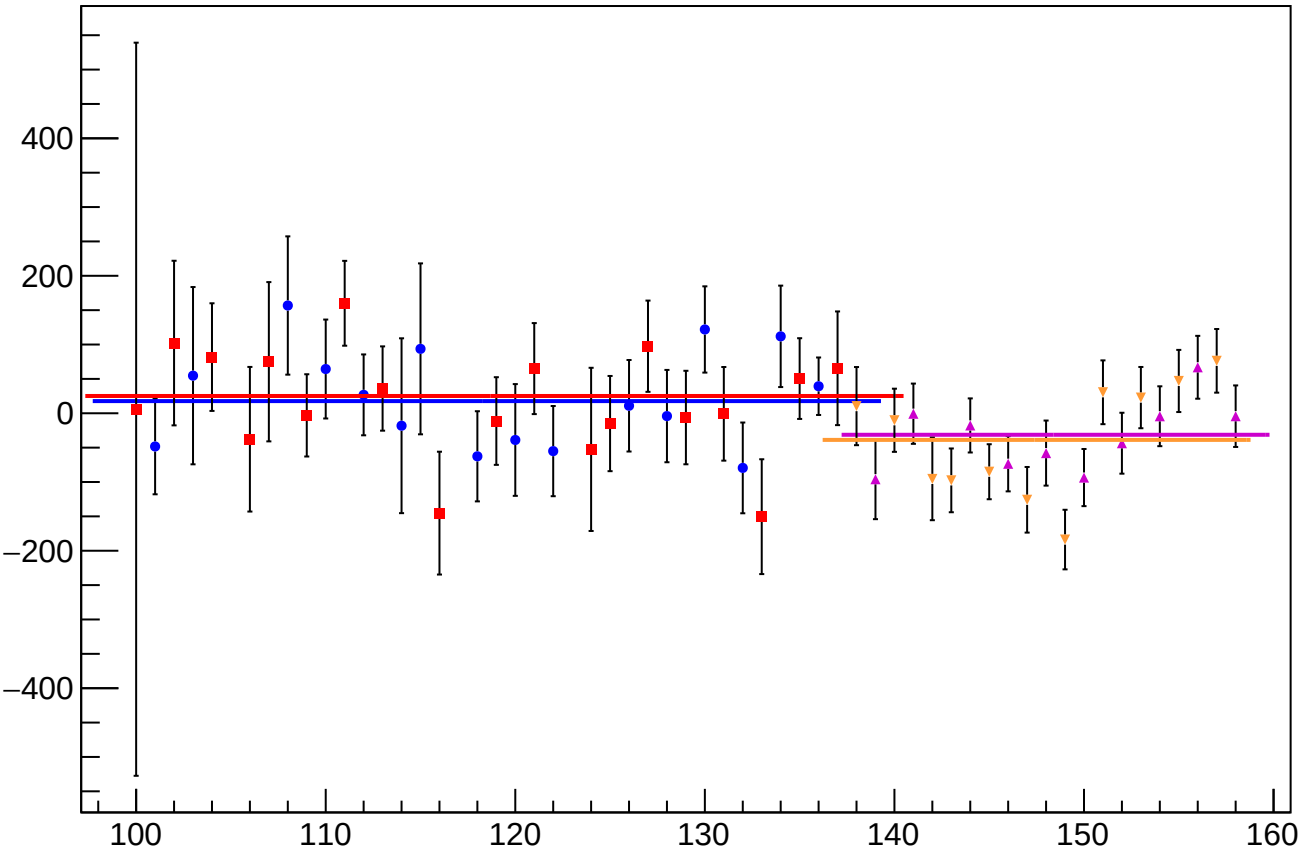
Left: 345.743+/-0.060 χ^2/NDF: 1613316.1/20

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 383.677+/-0.071 χ^2/NDF:2387228.0/25

Out: 387.802+/-0.071 χ^2/NDF:2630897.0/29

All: 385.726+/-0.050 χ^2/NDF: 5019801.8/55



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -38.741+/-14.079 χ^2/NDF:33.4/10

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -31.294+/-13.974 χ^2/NDF:10.9/9

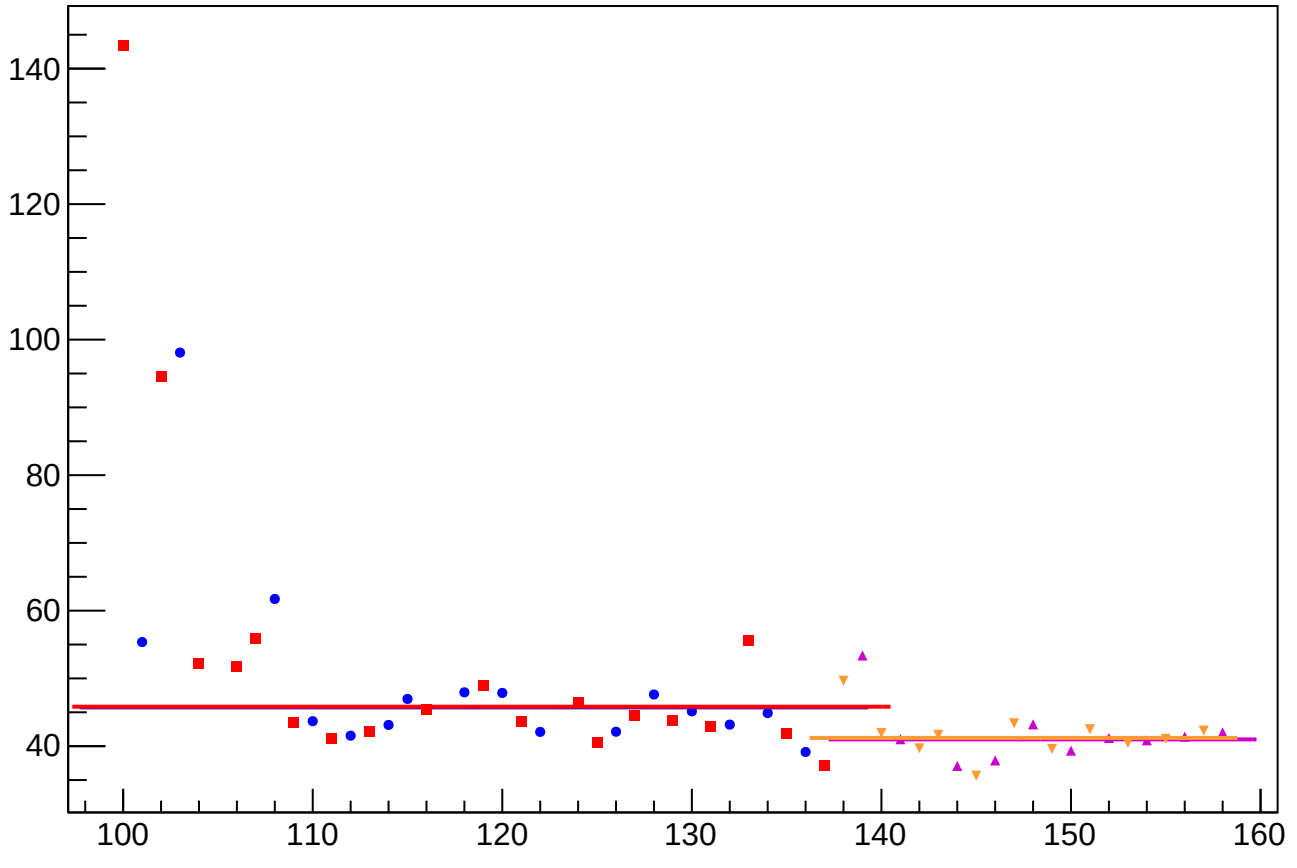
Left: -34.990+/-9.918 χ^2/NDF: 44.5/20

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.175+/-10.913 χ^2/NDF:29.7/25

Out: -13.357+/-10.930 χ^2/NDF:59.6/29

All: -12.765+/-7.722 χ^2/NDF: 89.3/55



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.215+/-0.010 χ^2/NDF:94716.9/10

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

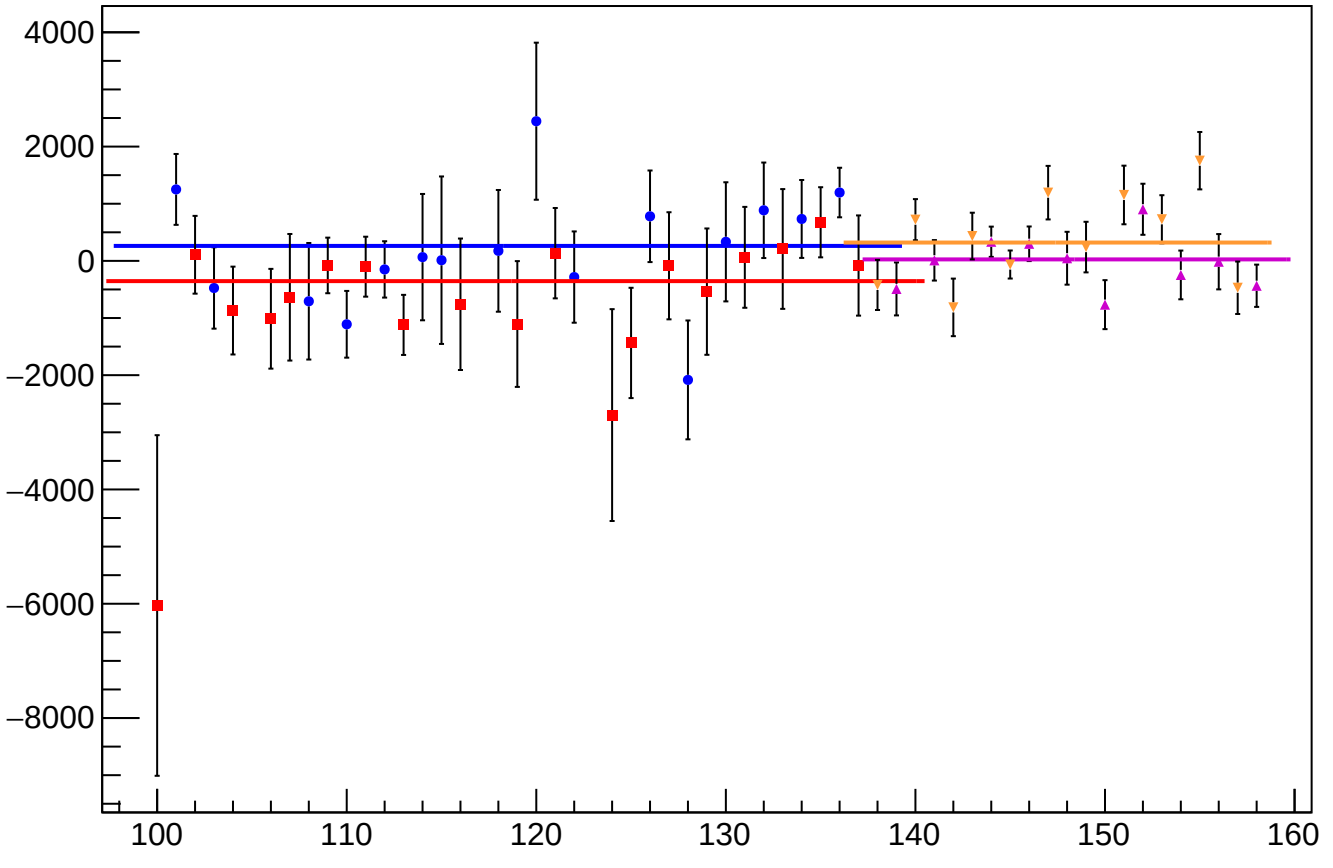
Left: 41.107+/-0.007 χ^2/NDF: 226385.3/20

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.844+/-0.008 χ^2/NDF:722172.3/25

Out: 43.047+/-0.008 χ^2/NDF:718402.3/29

All: 42.945+/-0.005 χ^2/NDF: 1440918.4/55



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 320.846+/-121.932 χ^2/NDF:29.9/10

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 25.839+/-119.499 χ^2/NDF:12.7/9

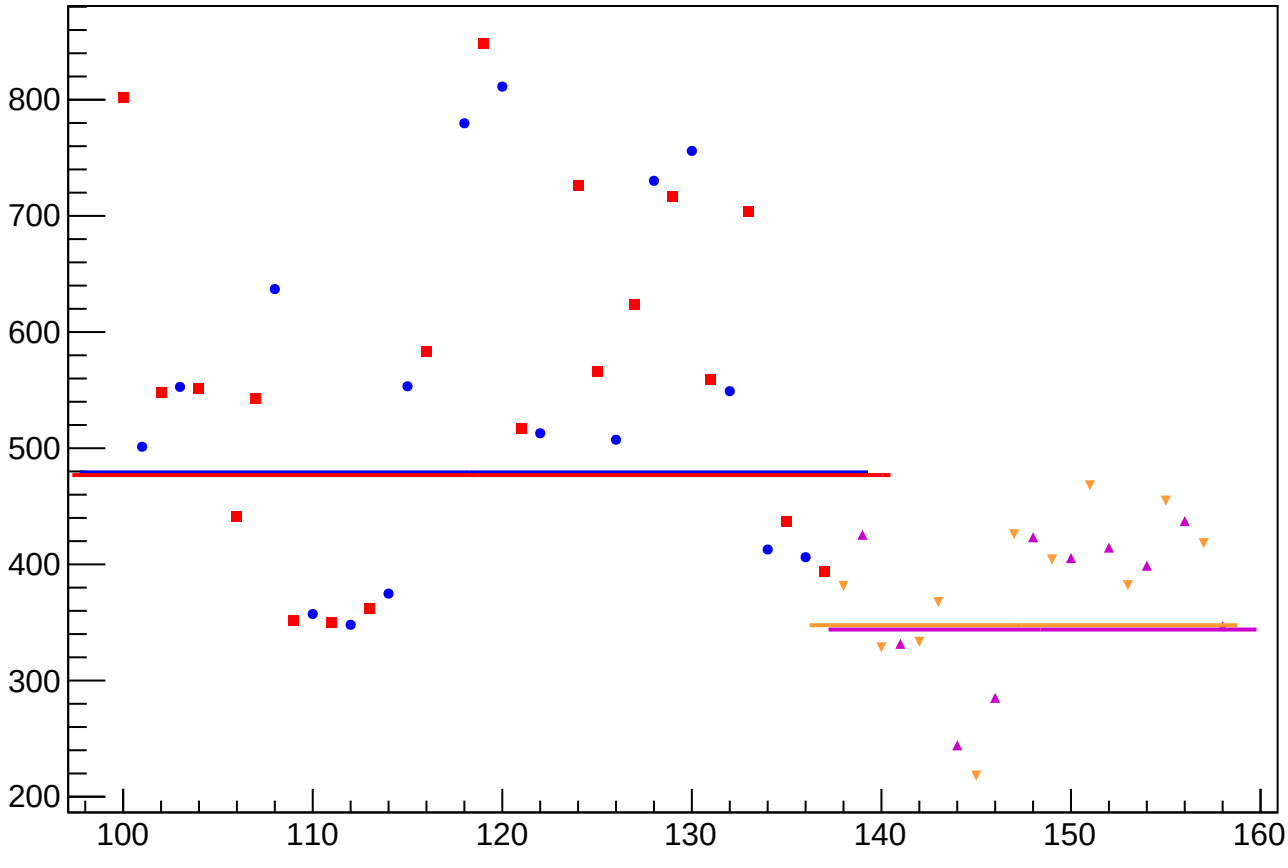
Left: 170.370+/-85.346 χ^2/NDF: 45.5/20

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 95.238+/-100.413 χ^2/NDF:38.8/25

Out: 111.566+/-101.283 χ^2/NDF:54.6/29

All: 103.332+/-71.308 χ^2/NDF: 93.4/55



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.639+/-0.086 χ^2/NDF:930949.7/10

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 343.921+/-0.084 χ^2/NDF:681419.0/9

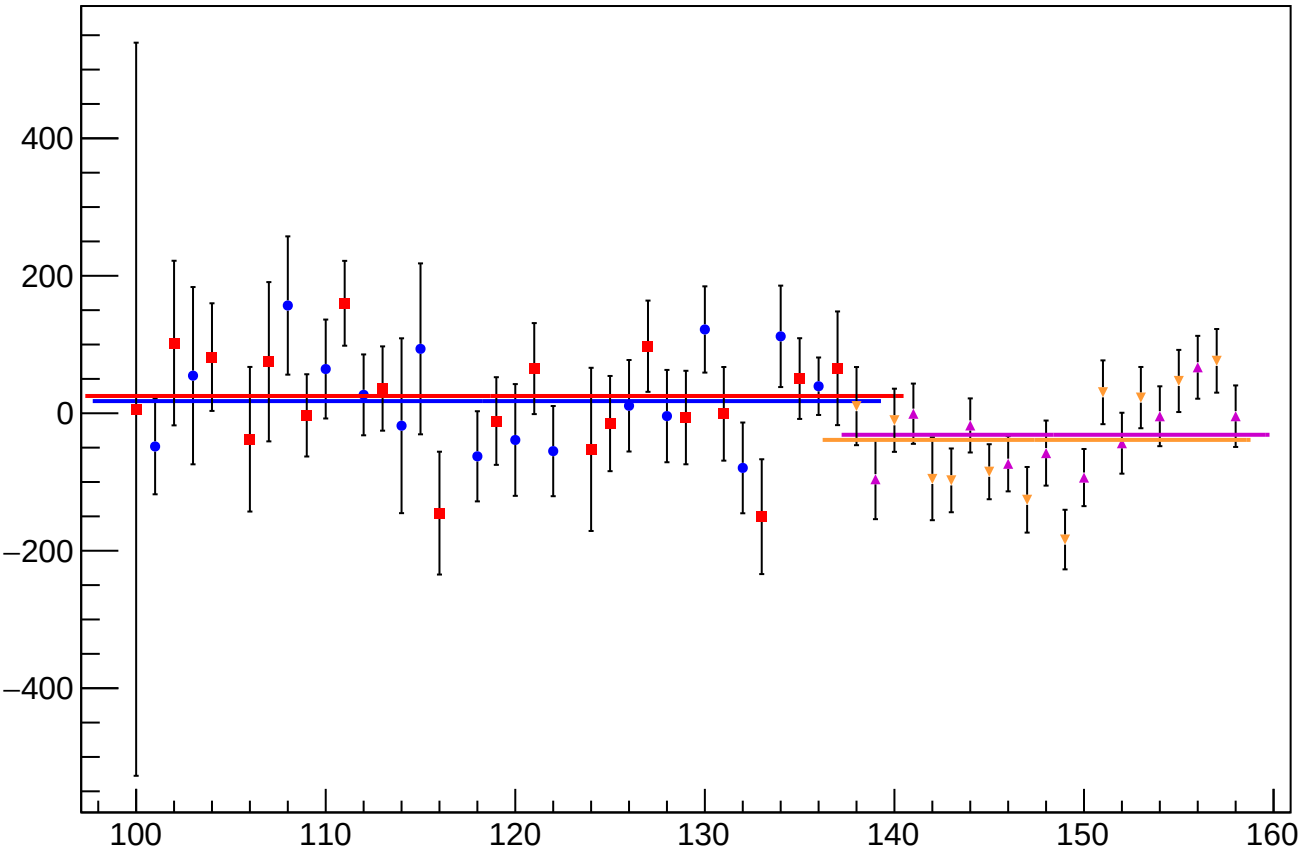
Left: 345.743+/-0.060 χ^2/NDF: 1613317.4/20

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 383.677+/-0.071 χ^2/NDF:2387274.2/25

Out: 387.711+/-0.072 χ^2/NDF:2631458.1/29

All: 385.677+/-0.050 χ^2/NDF: 5020331.9/55



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -38.741+/-14.079 χ^2/NDF:33.4/10

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -31.294+/-13.974 χ^2/NDF:10.9/9

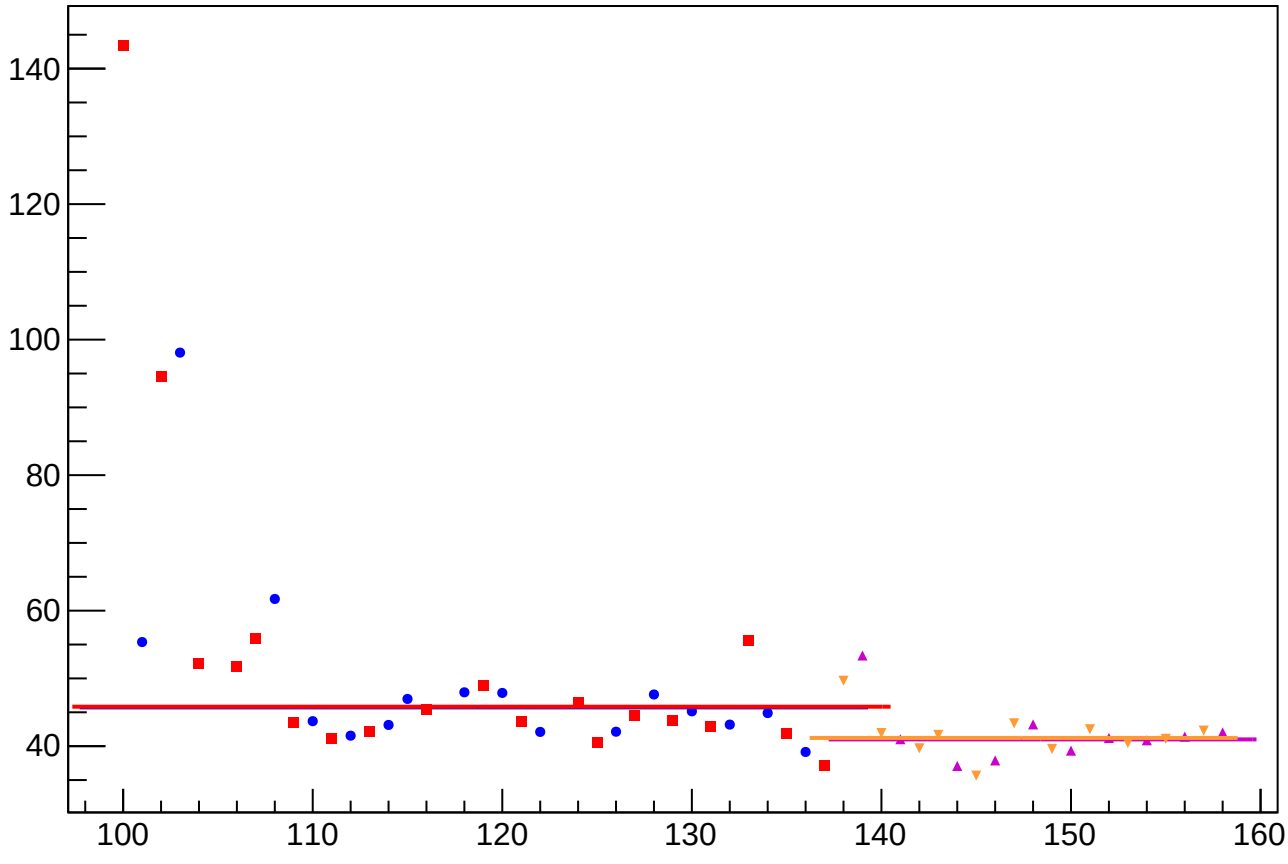
Left: -34.990+/-9.918 χ^2/NDF: 44.5/20

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.175+/-10.913 χ^2/NDF:29.7/25

Out: -13.357+/-10.930 χ^2/NDF:59.6/29

All: -12.765+/-7.722 χ^2/NDF: 89.3/55



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.215+/-0.010 χ^2/NDF:94716.9/10

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

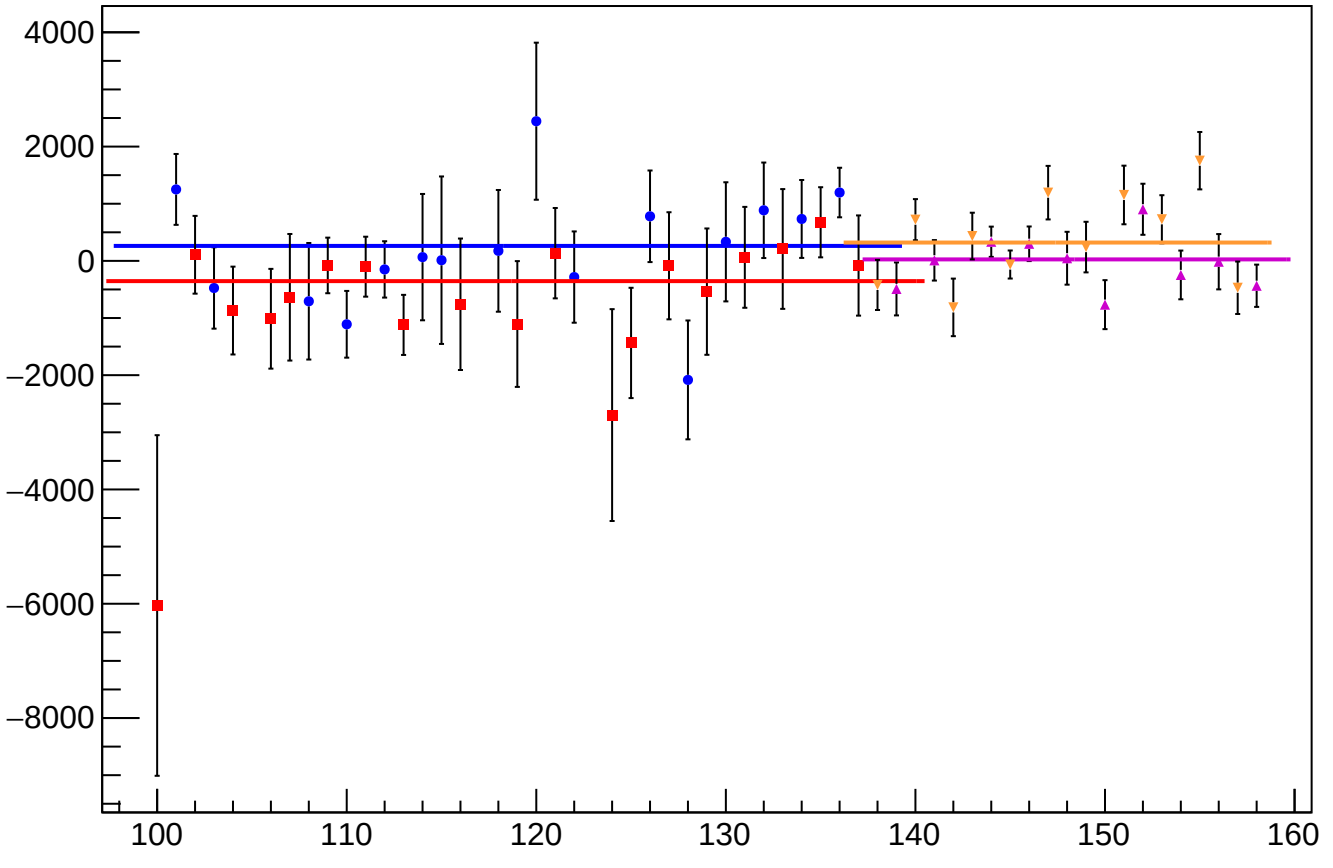
Left: 41.107+/-0.007 χ^2/NDF: 226385.3/20

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.844+/-0.008 χ^2/NDF:722172.3/25

Out: 43.047+/-0.008 χ^2/NDF:718402.3/29

All: 42.945+/-0.005 χ^2/NDF: 1440918.4/55



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 320.846+/-121.932 χ^2/NDF:29.9/10

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 25.839+/-119.499 χ^2/NDF:12.7/9

Left: 170.370+/-85.346 χ^2/NDF: 45.5/20

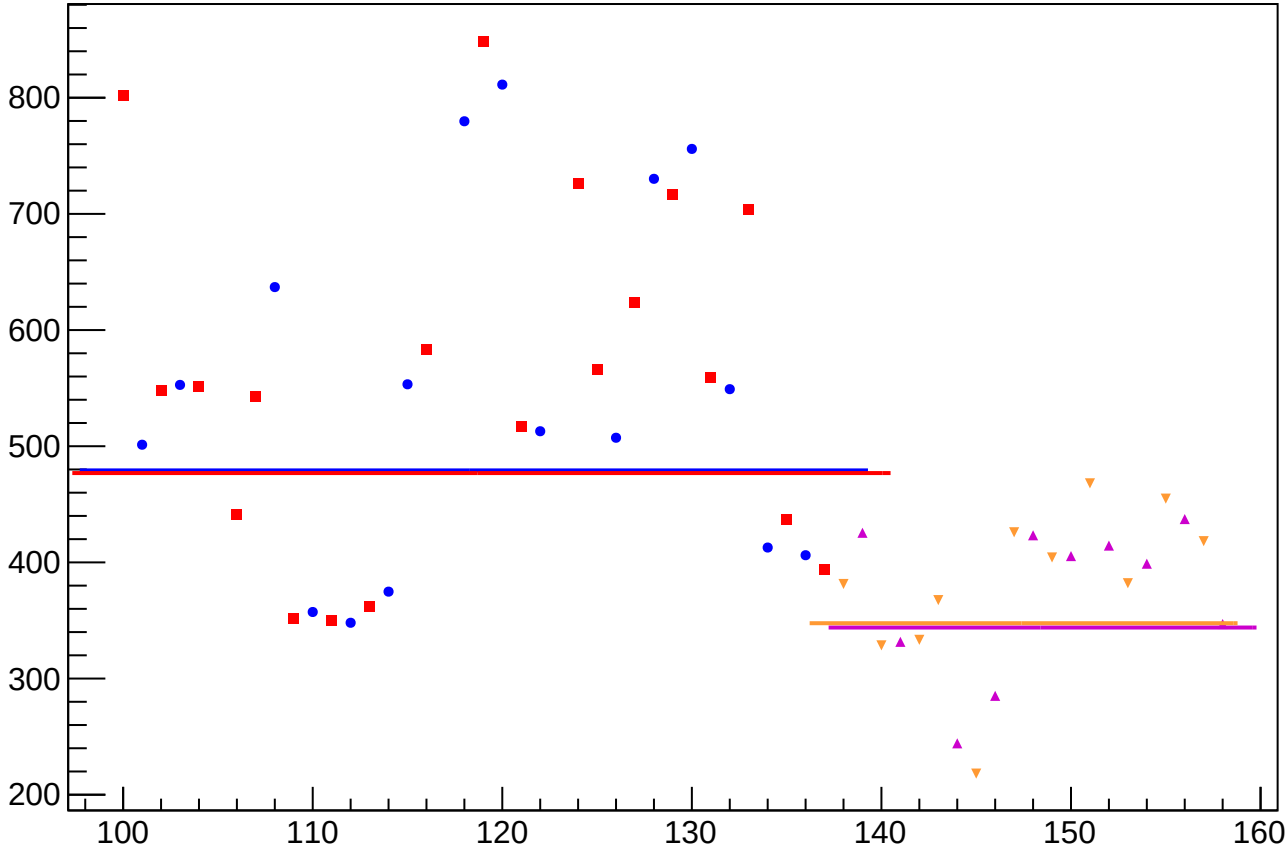
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 95.238+/-100.413 χ^2/NDF:38.8/25

Out: 111.566+/-101.283 χ^2/NDF:54.6/29

All: 103.332+/-71.308 χ^2/NDF: 93.4/55

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.639+/-0.086 χ^2/NDF:930949.7/10

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 343.921+/-0.084 χ^2/NDF:681419.0/9

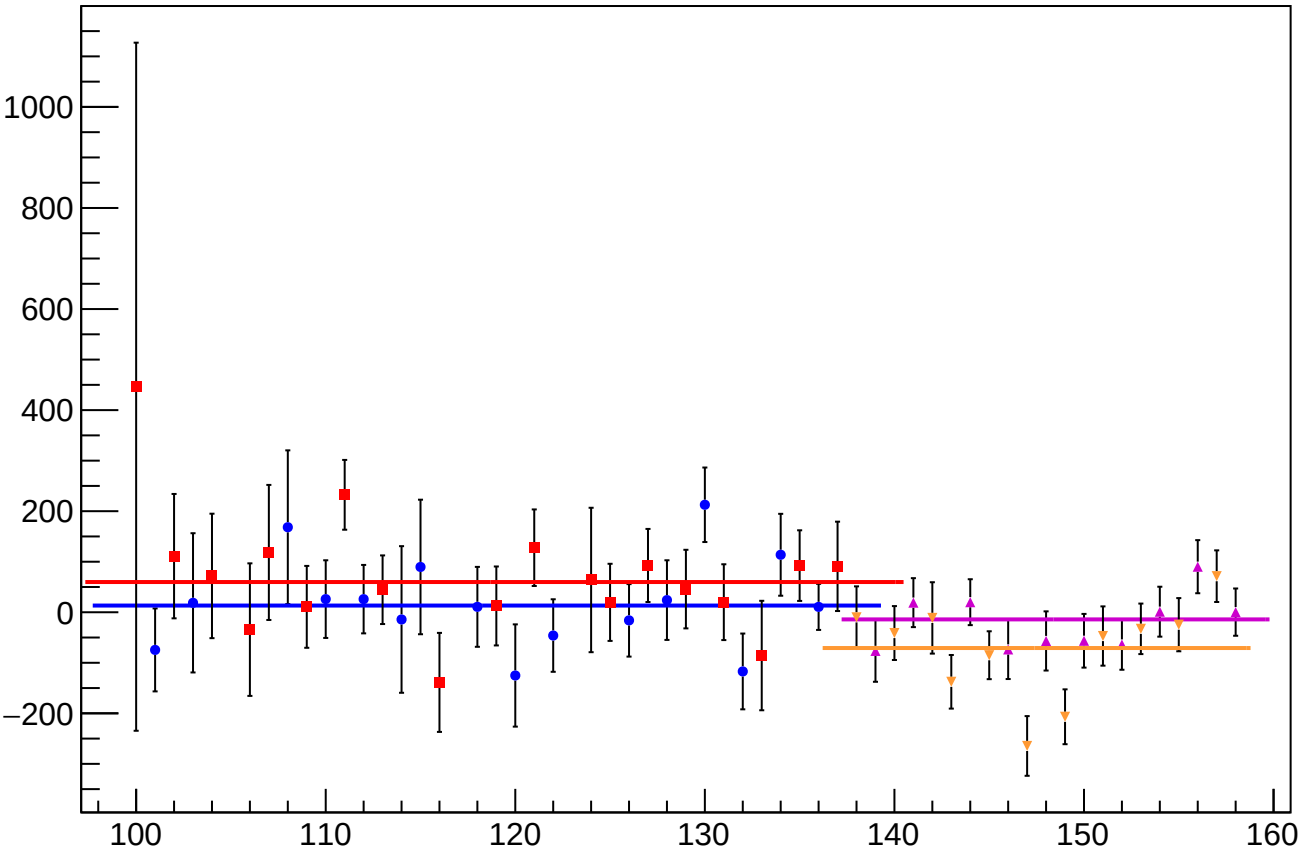
Left: 345.743+/-0.060 χ^2/NDF: 1613317.4/20

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 383.677+/-0.071 χ^2/NDF:2387274.2/25

Out: 387.711+/-0.072 χ^2/NDF:2631458.1/29

All: 385.677+/-0.050 χ^2/NDF: 5020331.9/55



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -70.797+/-16.484 χ^2/NDF:30.0/10

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -14.136+/-16.340 χ^2/NDF:9.4/9

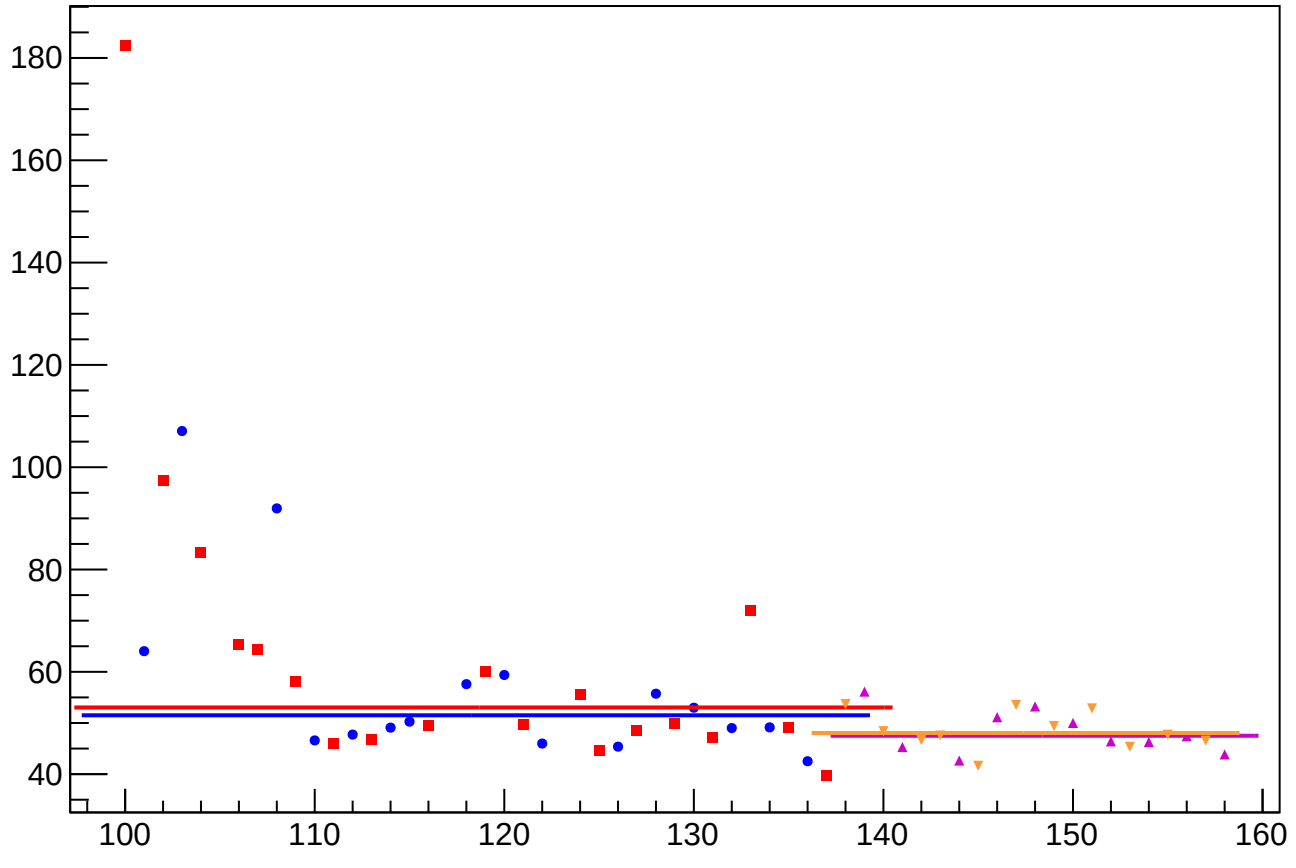
Left: -42.218+/-11.605 χ^2/NDF: 45.3/20

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -3.067+/-12.615 χ^2/NDF:27.8/25

Out: -18.695+/-12.780 χ^2/NDF:71.1/29

All: -10.780+/-8.978 χ^2/NDF: 99.6/55



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.040+/-0.012 χ^2/NDF:94242.8/10

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 47.503+/-0.012 χ^2/NDF:112373.9/9

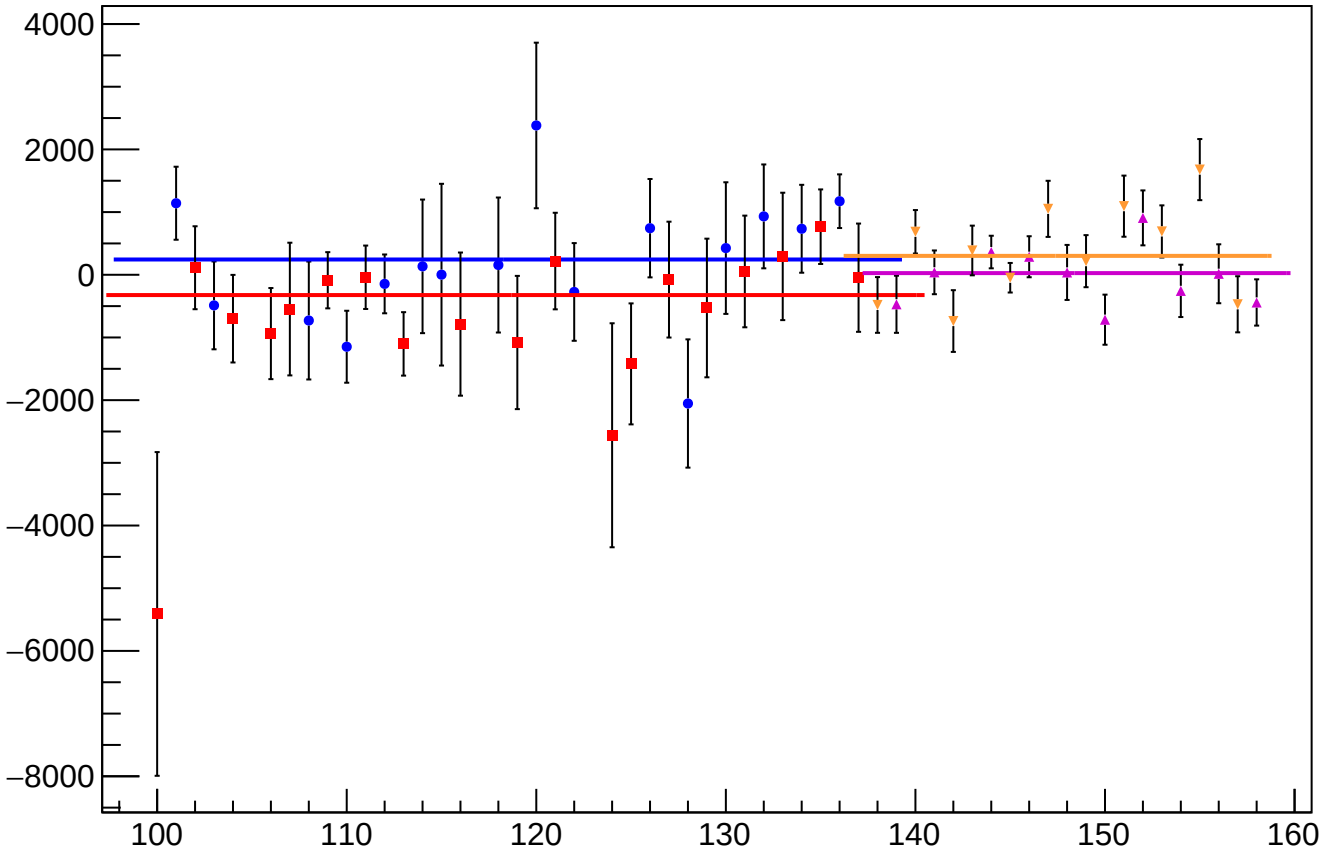
Left: 47.769+/-0.008 χ^2/NDF: 207687.6/20

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 49.120+/-0.009 χ^2/NDF:827903.3/25

Out: 50.034+/-0.009 χ^2/NDF:880475.4/29

All: 49.571+/-0.006 χ^2/NDF: 1713558.0/55



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 301.635+/-117.990 χ^2/NDF:28.4/10

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 26.707+/-118.308 χ^2/NDF:13.1/9

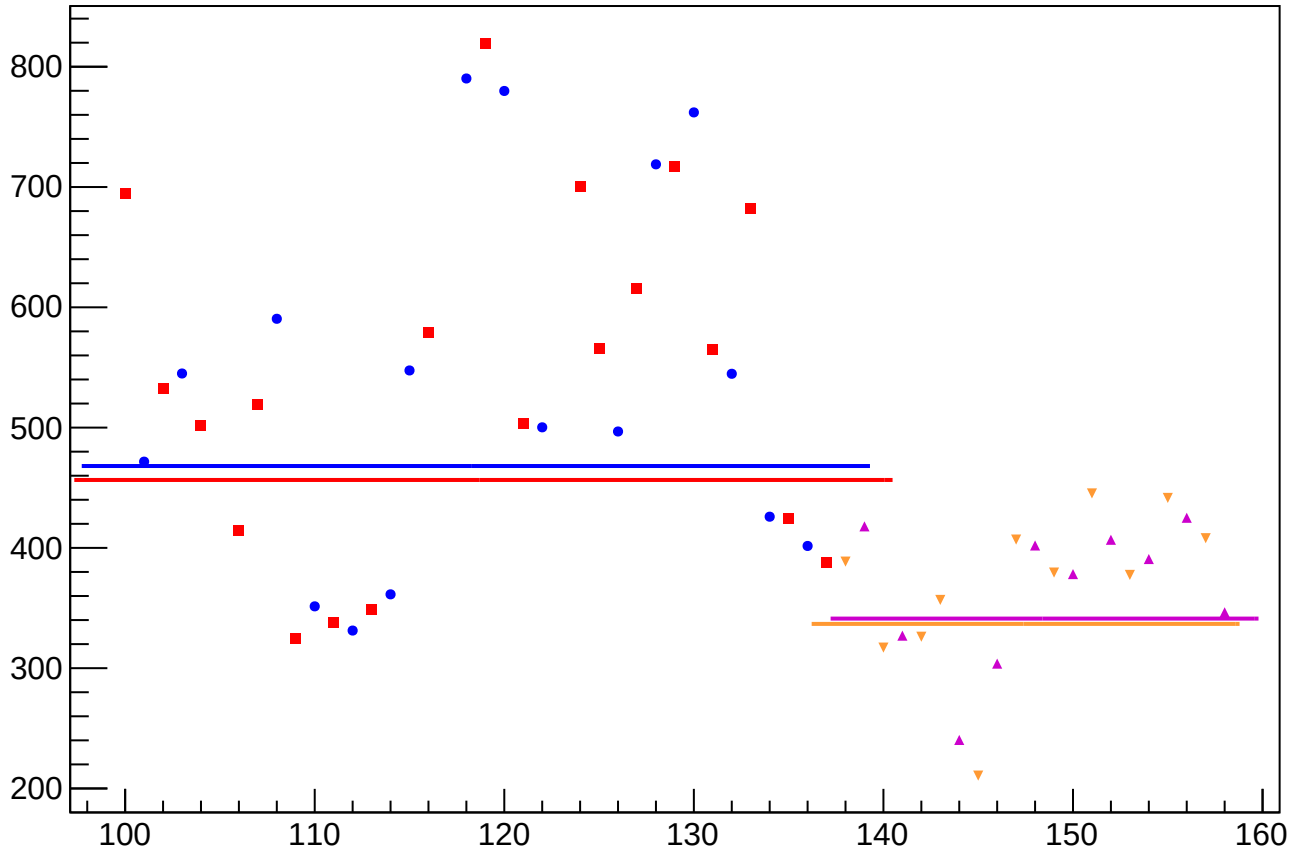
Left: 164.541+/-83.544 χ^2/NDF: 44.1/20

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 91.765+/-99.009 χ^2/NDF:39.7/25

Out: 104.114+/-97.590 χ^2/NDF:53.7/29

All: 98.029+/-69.503 χ^2/NDF: 93.4/55



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 336.808+/-0.083 χ^2/NDF:942832.4/10

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 341.226+/-0.084 χ^2/NDF:579907.3/9

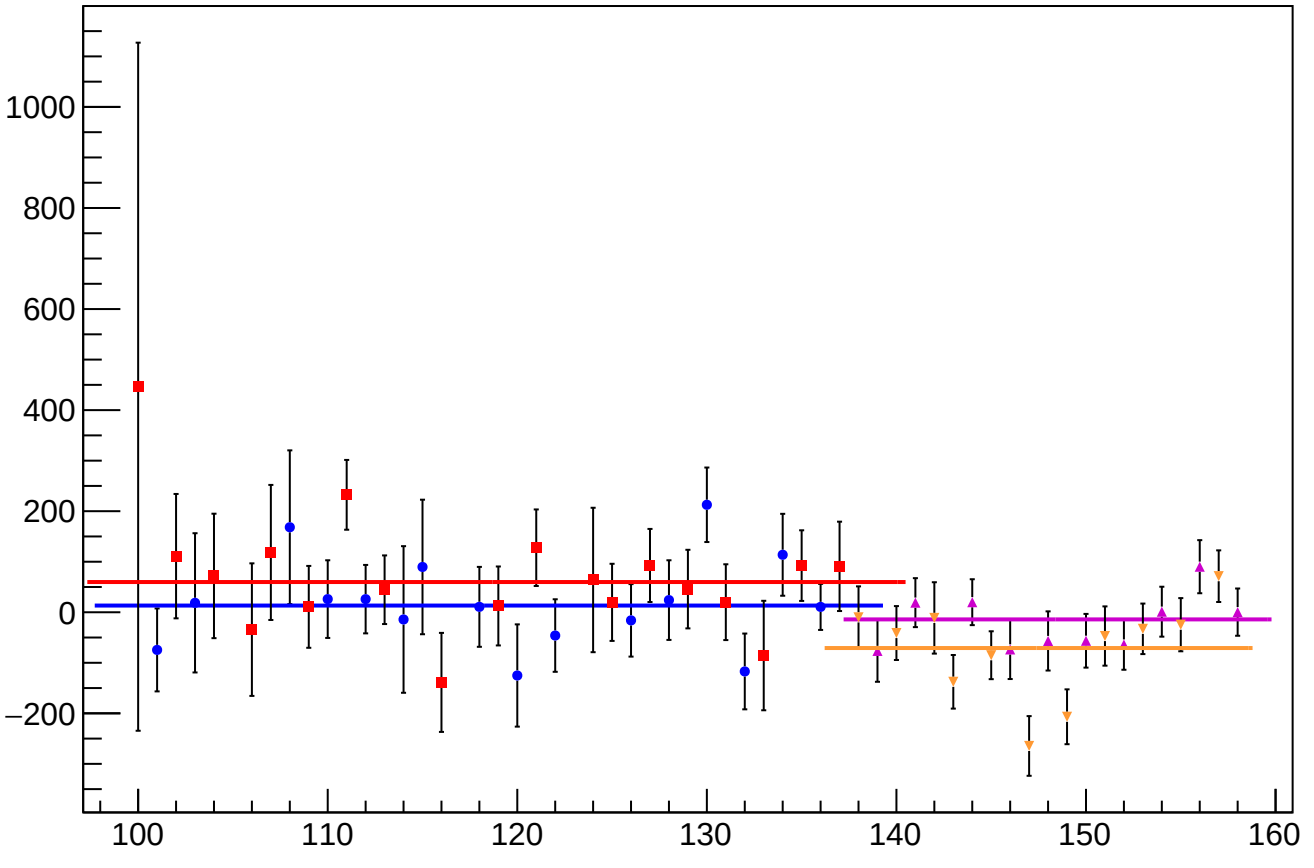
Left: 339.011+/-0.059 χ^2/NDF: 1524138.1/20

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 379.232+/-0.070 χ^2/NDF:2251662.7/25

Out: 374.608+/-0.069 χ^2/NDF:2675219.1/29

All: 376.887+/-0.049 χ^2/NDF: 4929094.5/55



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -70.797+/-16.484 χ^2/NDF:30.0/10

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -14.136+/-16.340 χ^2/NDF:9.4/9

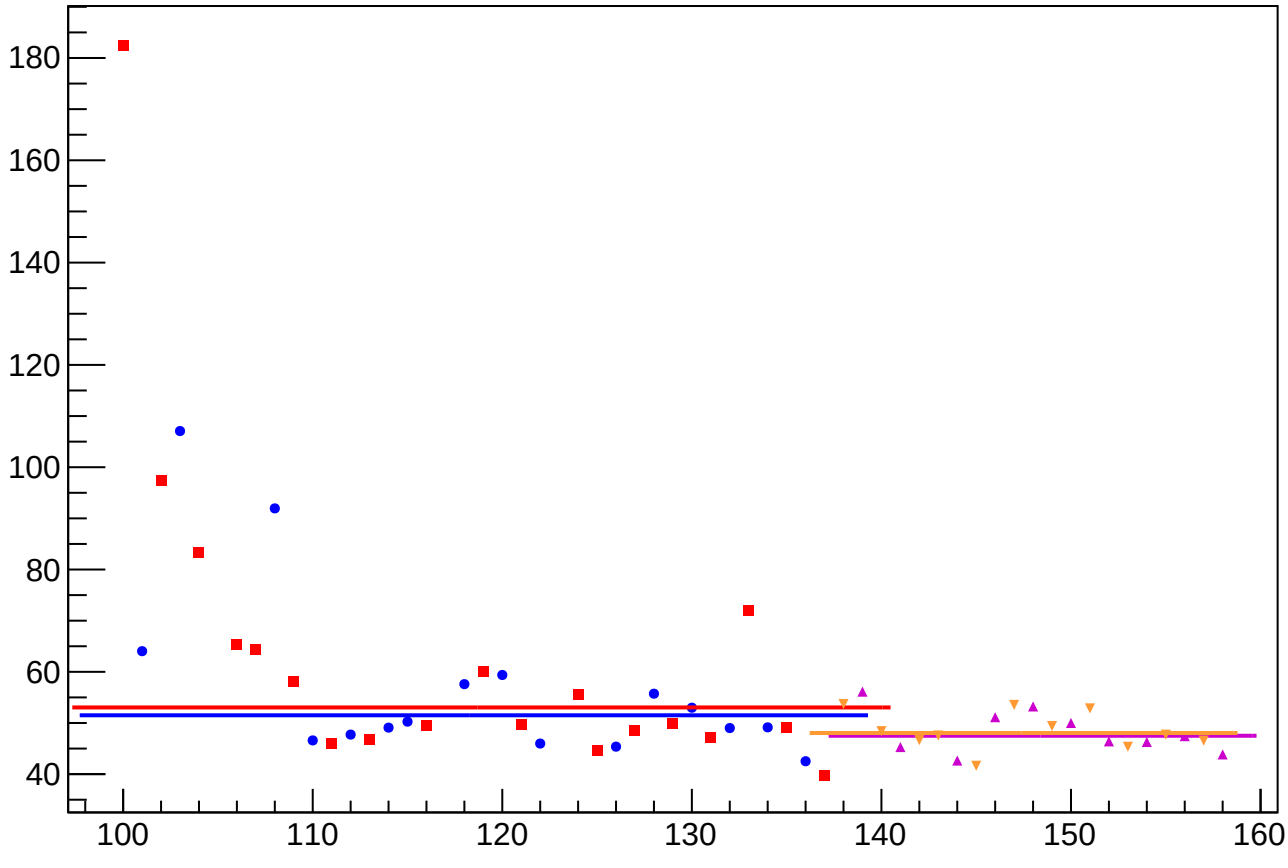
Left: -42.219+/-11.605 χ^2/NDF: 45.3/20

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -3.067+/-12.615 χ^2/NDF:27.8/25

Out: -18.695+/-12.780 χ^2/NDF:71.1/29

All: -10.780+/-8.978 χ^2/NDF: 99.6/55



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.040+/-0.012 χ^2/NDF:94241.1/10

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 47.503+/-0.012 χ^2/NDF:112372.8/9

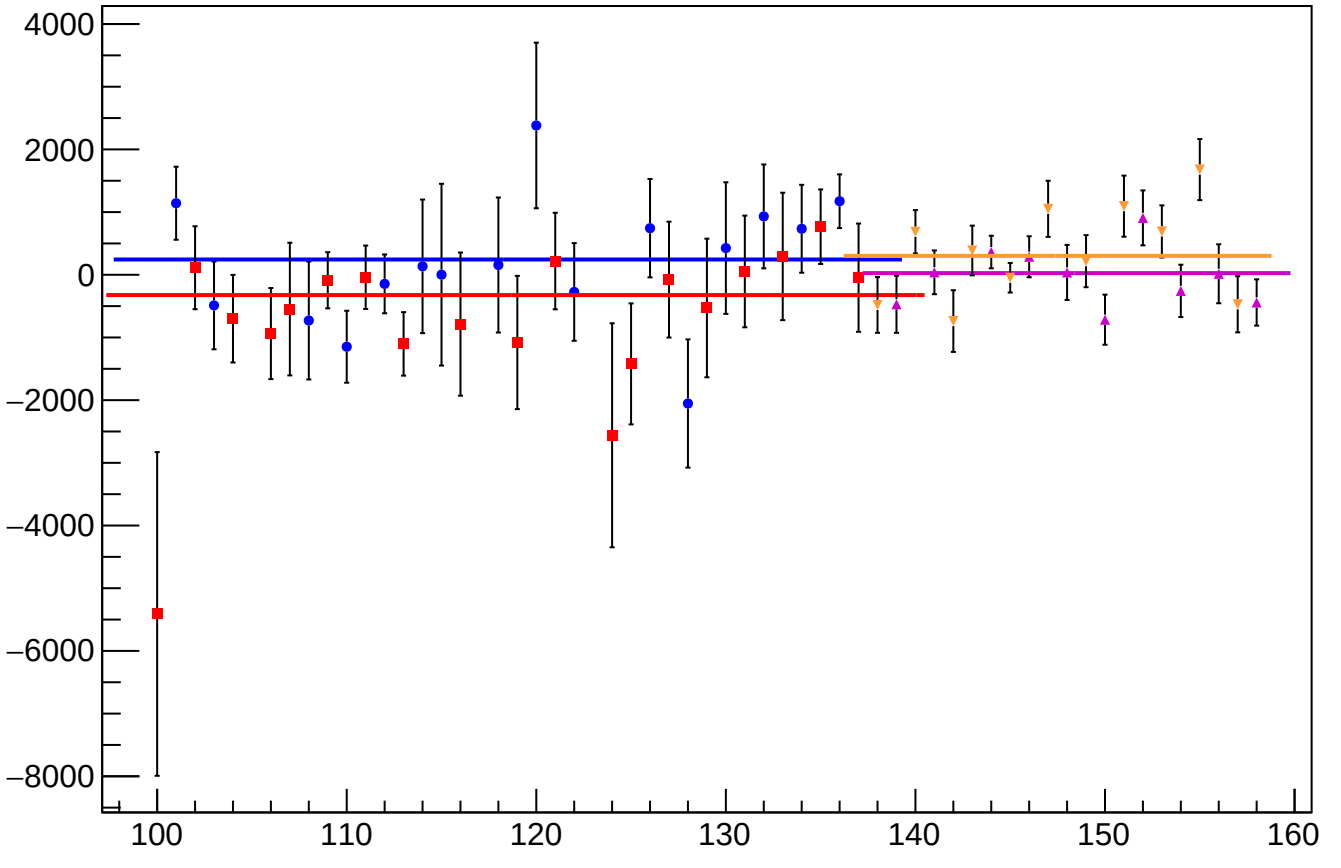
Left: 47.769+/-0.008 χ^2/NDF: 207684.9/20

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 49.120+/-0.009 χ^2/NDF:827906.2/25

Out: 50.034+/-0.009 χ^2/NDF:880481.4/29

All: 49.571+/-0.006 χ^2/NDF: 1713567.2/55



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 301.635+/-117.990 χ^2/NDF:28.4/10

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 26.707+/-118.308 χ^2/NDF:13.1/9

Left: 164.541+/-83.544 χ^2/NDF: 44.1/20

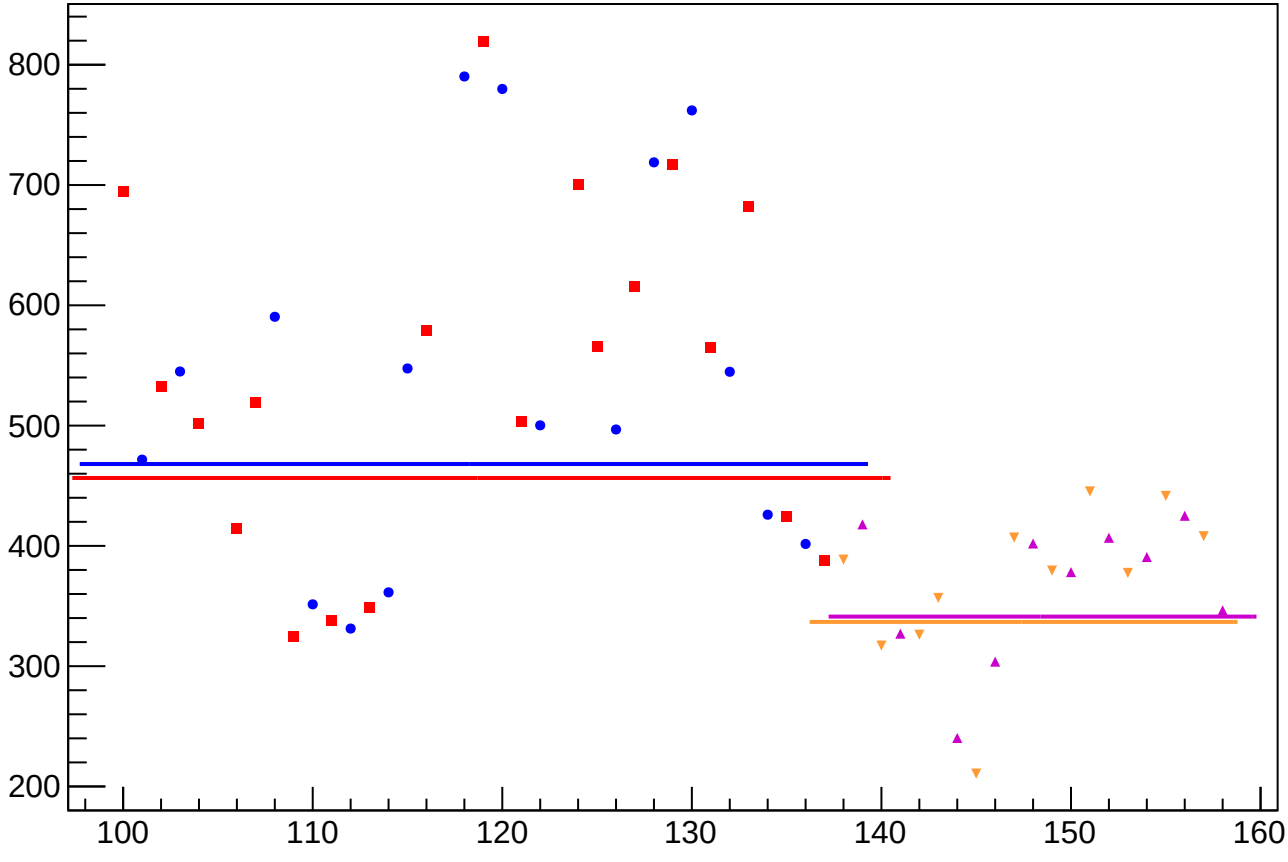
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 91.766+/-99.009 χ^2/NDF:39.7/25

Out: 104.114+/-97.590 χ^2/NDF:53.7/29

All: 98.029+/-69.503 χ^2/NDF: 93.4/55

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 336.808+/-0.083 χ^2/NDF:942837.2/10

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 341.226+/-0.084 χ^2/NDF:579909.0/9

Left: 339.011+/-0.059 χ^2/NDF: 1524144.6/20

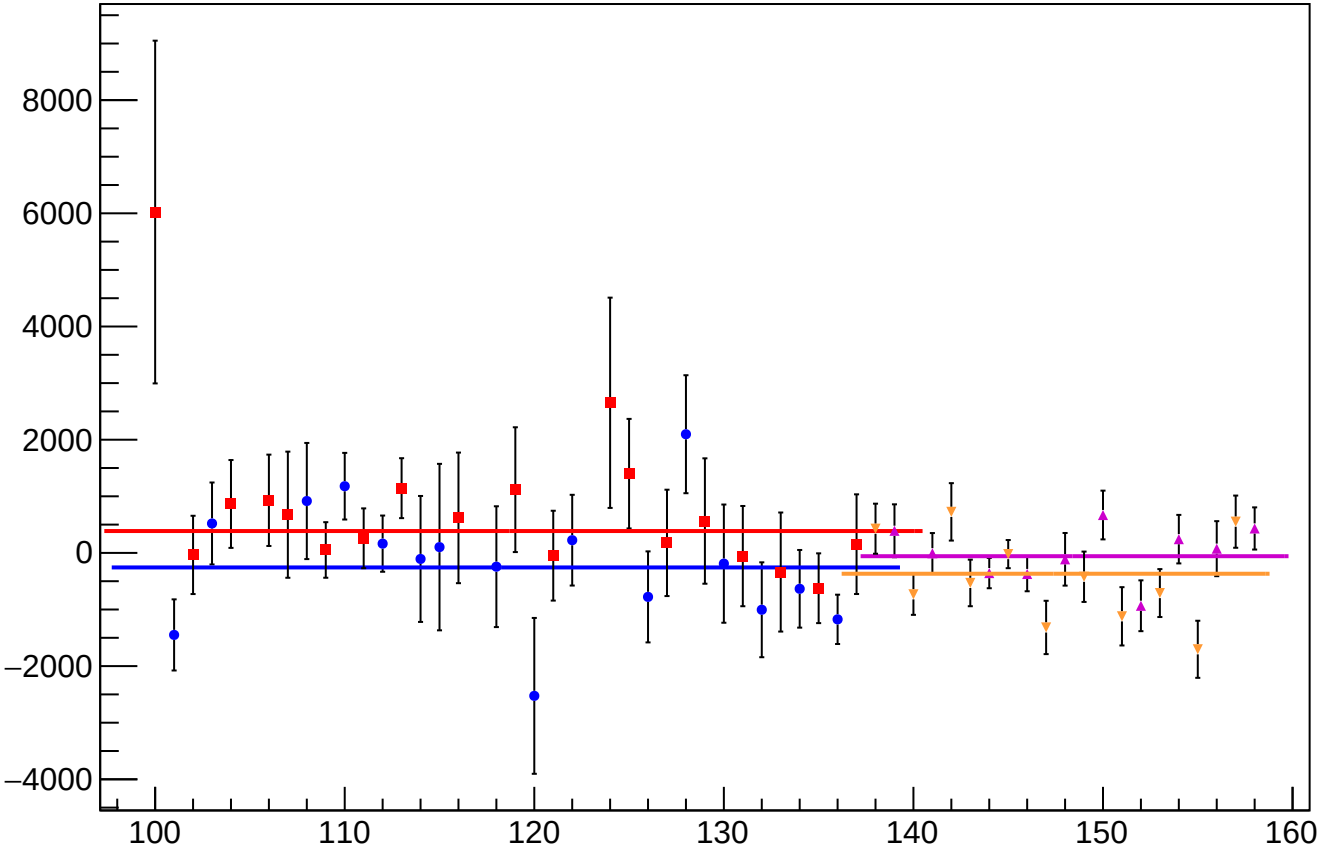
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 379.232+/-0.070 χ^2/NDF:2251656.0/25

Out: 374.608+/-0.069 χ^2/NDF:2675213.8/29

All: 376.887+/-0.049 χ^2/NDF: 4929082.7/55

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -368.127+/-122.900 χ^2/NDF:28.8/10

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -58.084+/-120.434 χ^2/NDF:12.2/9

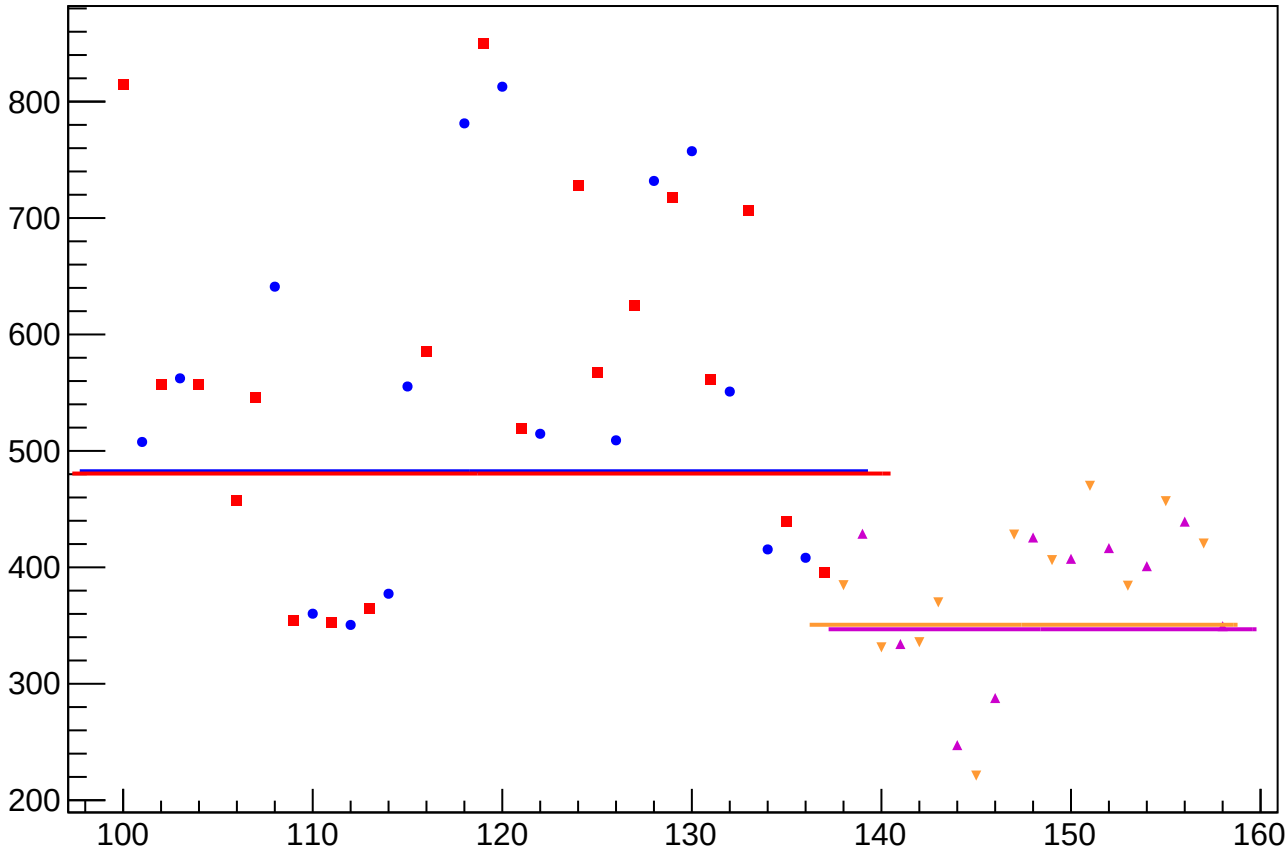
Left: -209.964+/-86.018 χ^2/NDF: 44.3/20

Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -116.565+/-101.167 χ^2/NDF:39.9/25

Out: -132.452+/-101.916 χ^2/NDF:54.8/29

All: -124.450+/-71.799 χ^2/NDF: 94.8/55



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 350.688+/-0.087 χ^2/NDF:905508.7/10

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 346.824+/-0.085 χ^2/NDF:664463.1/9

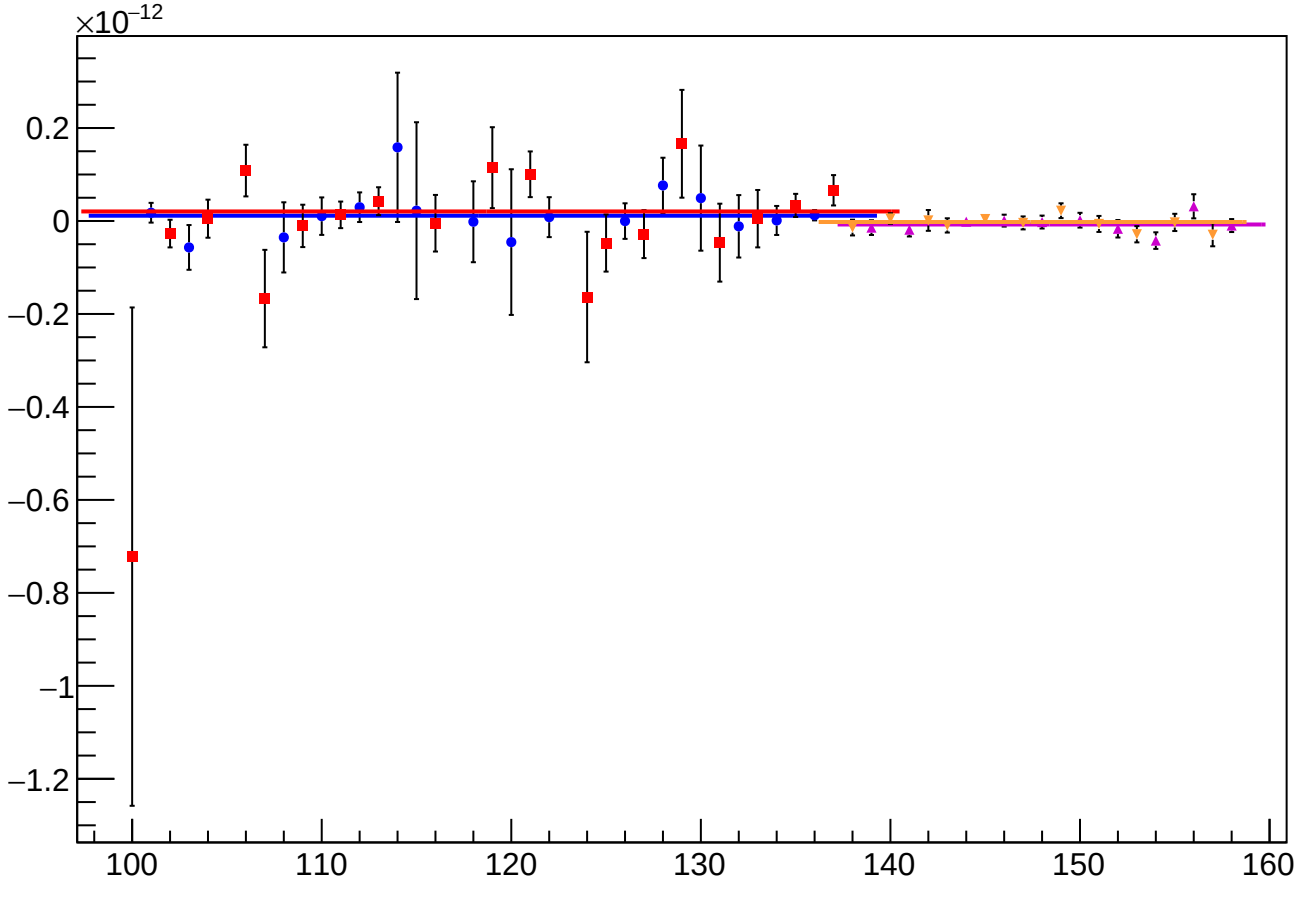
Left: 348.717+/-0.061 χ^2/NDF: 1570980.0/20

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 386.767+/-0.072 χ^2/NDF:2358314.4/25

Out: 391.250+/-0.072 χ^2/NDF:2596840.5/29

All: 388.992+/-0.051 χ^2/NDF: 4957104.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/9

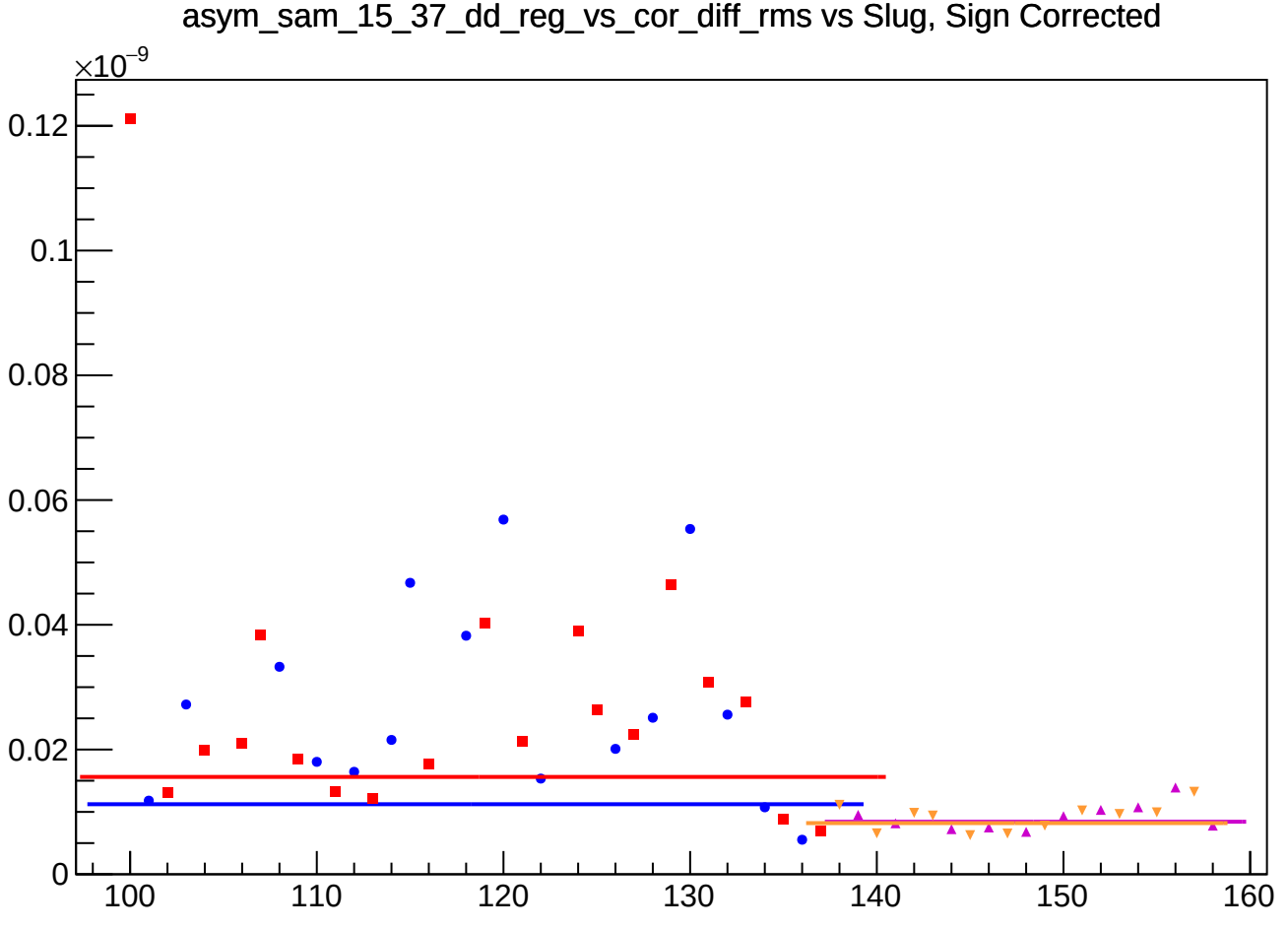
Left: -0.000+/-0.000 χ^2/NDF: 16.5/20

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:17.9/25

Out: 0.000+/-0.000 χ^2/NDF:35.4/29

All: -0.000+/-0.000 χ^2/NDF: 53.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:375470.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:226616.1/9

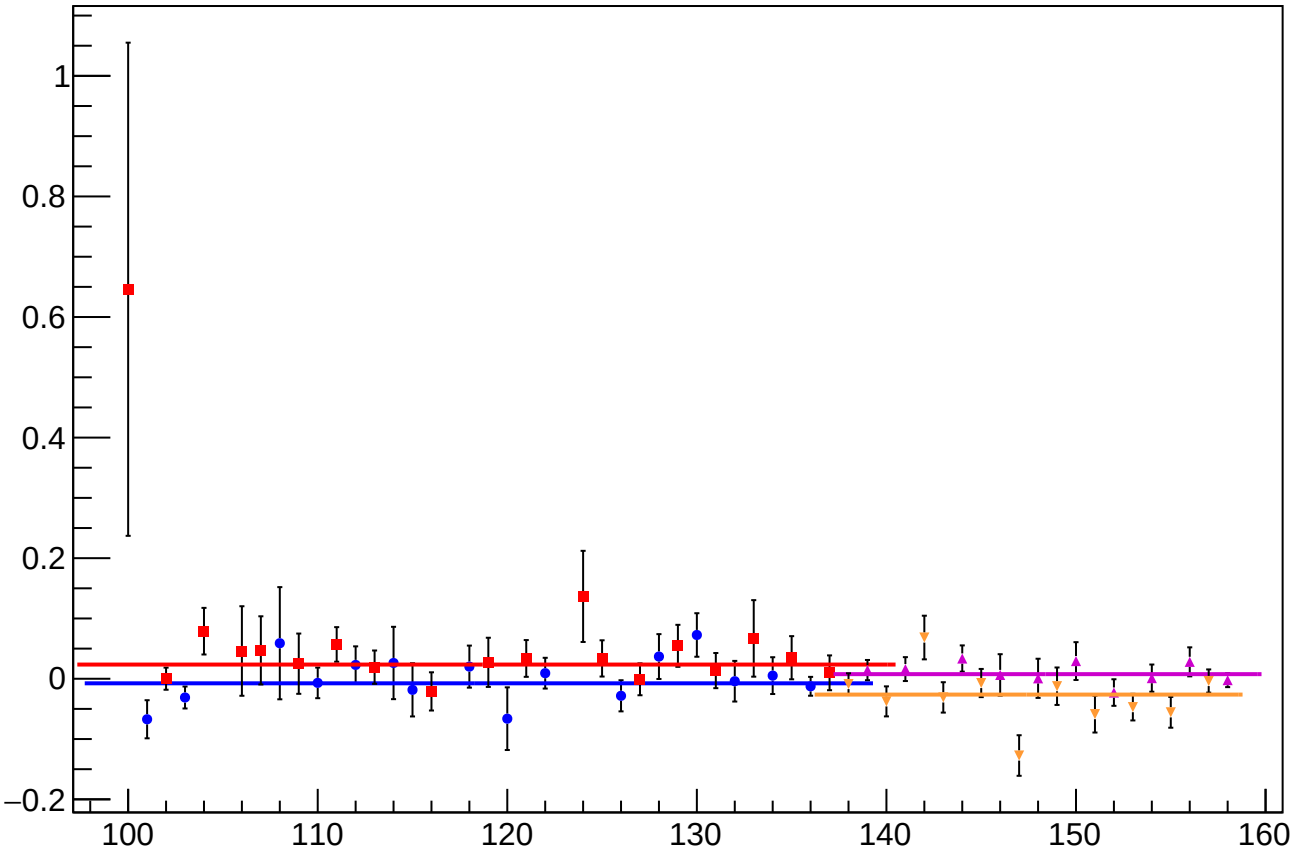
Left: 0.000+/-0.000 χ^2/NDF: 604349.1/20

Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2513015.5/25

Out: 0.000+/-0.000 χ^2/NDF:2431123.3/29

All: 0.000+/-0.000 χ^2/NDF: 4948644.2/55



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.008+/-0.006 χ^2/NDF:5.7/9

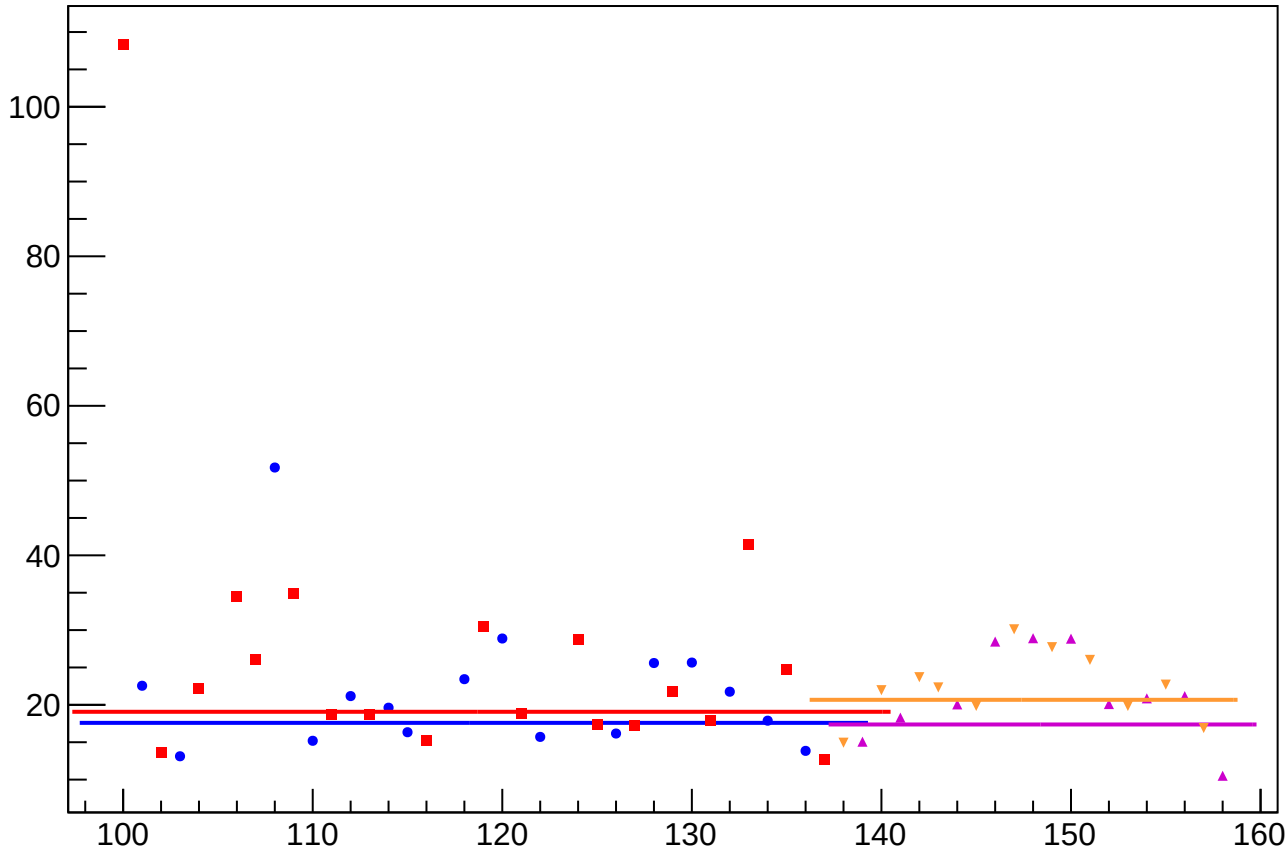
Left: -0.007+/-0.005 χ^2/NDF: 40.3/20

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.005 χ^2/NDF:24.9/25

Out: -0.002+/-0.005 χ^2/NDF:58.9/29

All: -0.001+/-0.004 χ^2/NDF: 84.0/55



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.1/10

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.374+/-0.005 χ^2/NDF:1627503.5/9

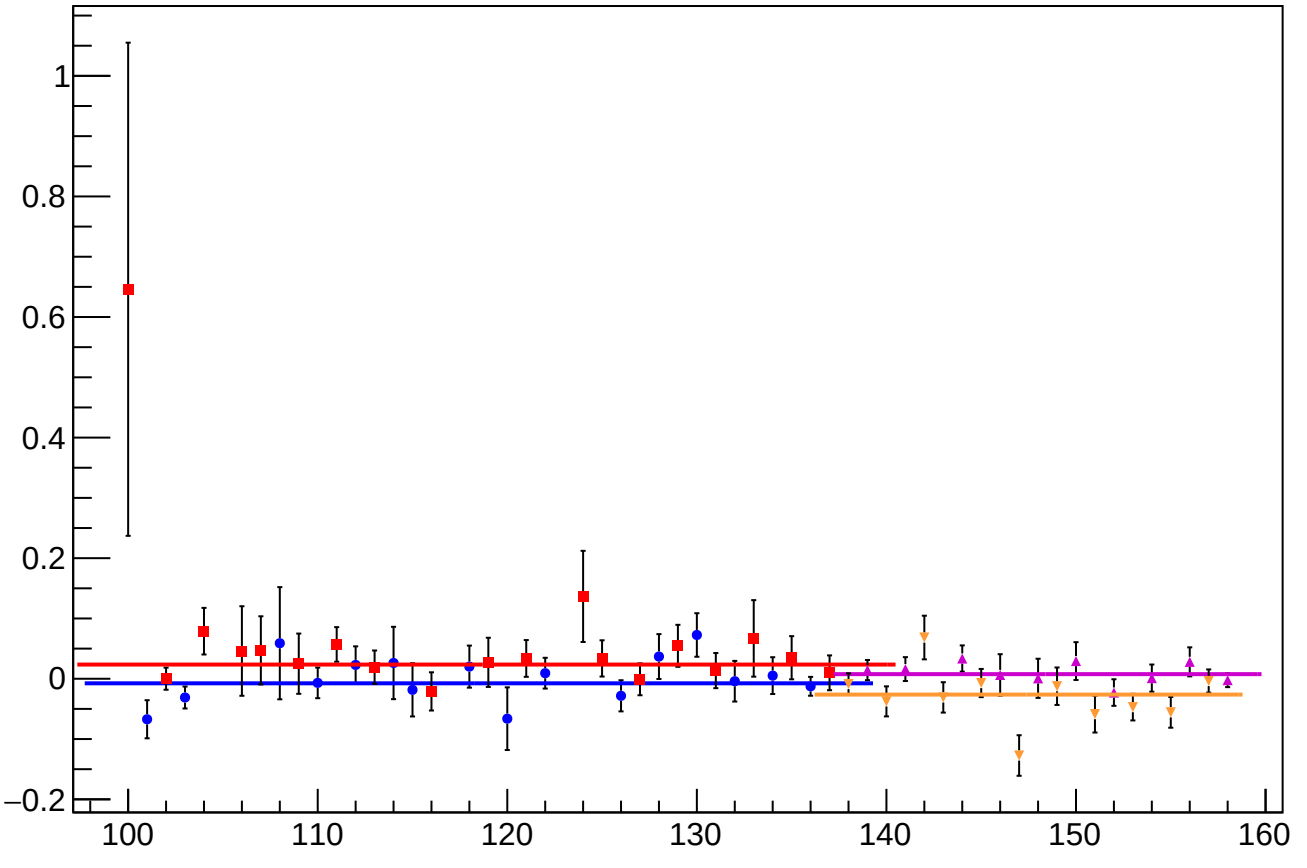
Left: 18.792+/-0.003 χ^2/NDF: 2505101.6/20

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.471+/-0.003 χ^2/NDF:2621763.3/25

Out: 19.908+/-0.004 χ^2/NDF:1943999.7/29

All: 18.556+/-0.003 χ^2/NDF: 4795819.7/55



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.008+/-0.006 χ^2/NDF:5.7/9

Left: -0.007+/-0.005 χ^2/NDF: 40.3/20

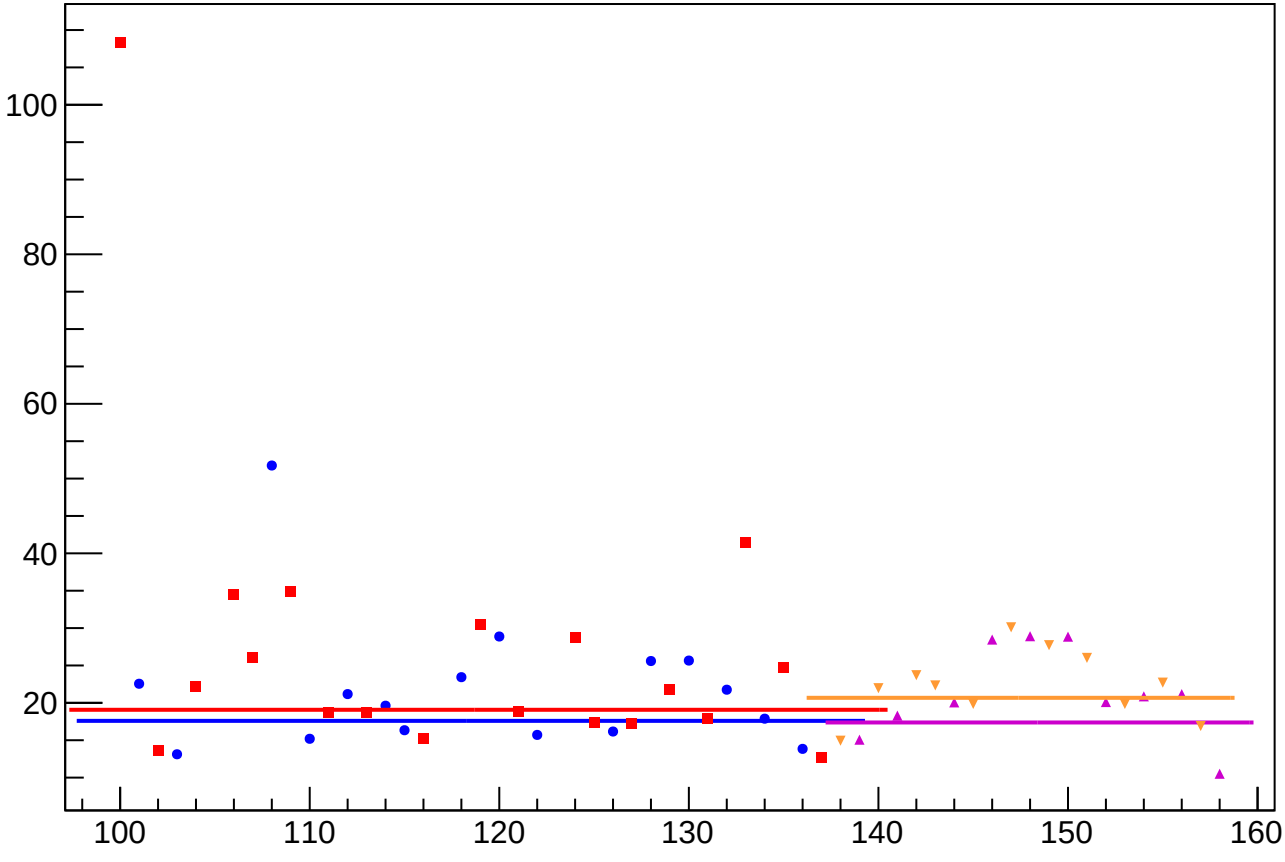
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.005 χ^2/NDF:24.9/25

Out: -0.002+/-0.005 χ^2/NDF:58.9/29

All: -0.001+/-0.004 χ^2/NDF: 84.0/55

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.1/10

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.374+/-0.005 χ^2/NDF:1627503.5/9

Left: 18.792+/-0.003 χ^2/NDF: 2505101.6/20

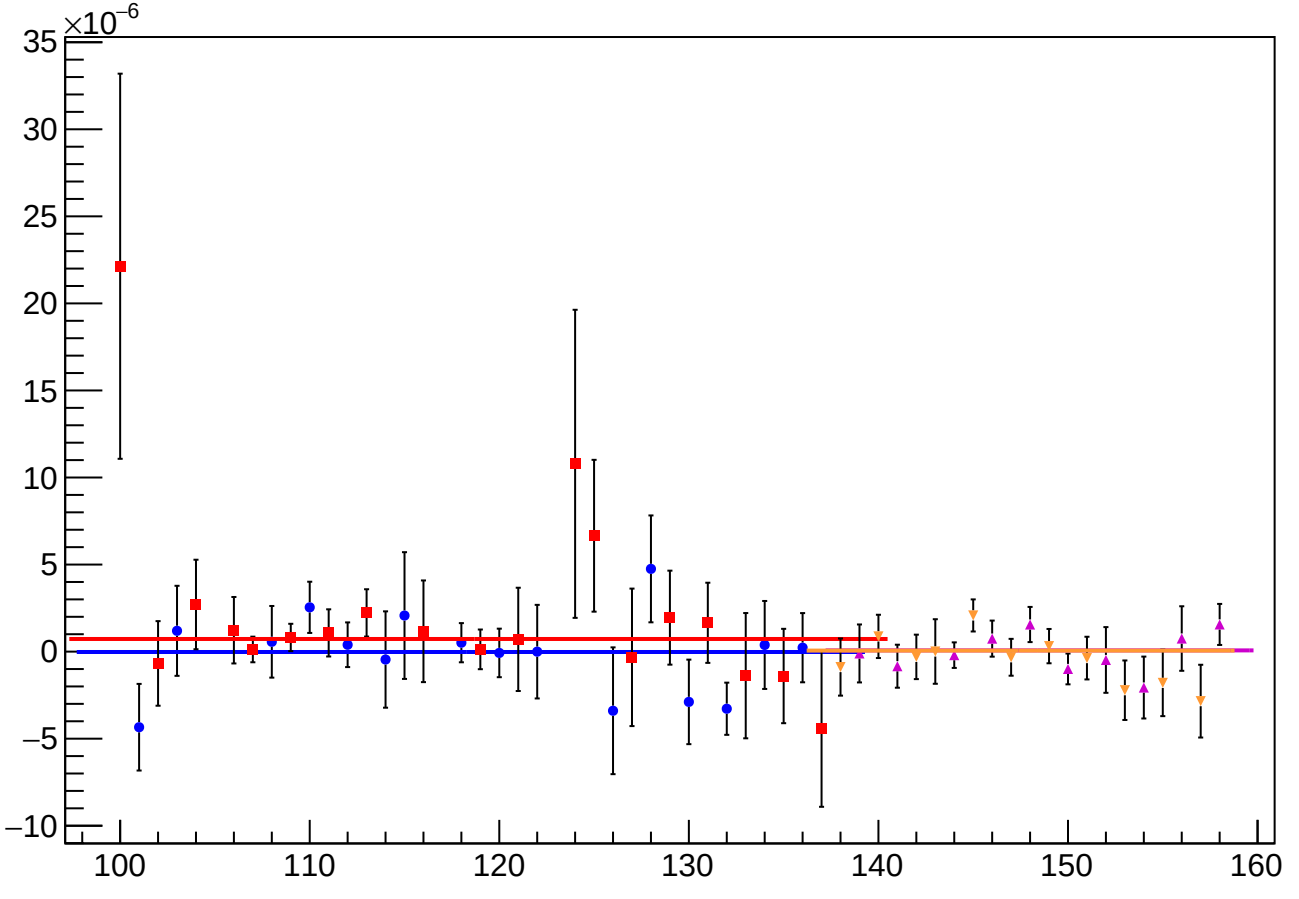
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.471+/-0.003 χ^2/NDF:2621763.3/25

Out: 19.908+/-0.004 χ^2/NDF:1943999.7/29

All: 18.556+/-0.003 χ^2/NDF: 4795819.7/55

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/9

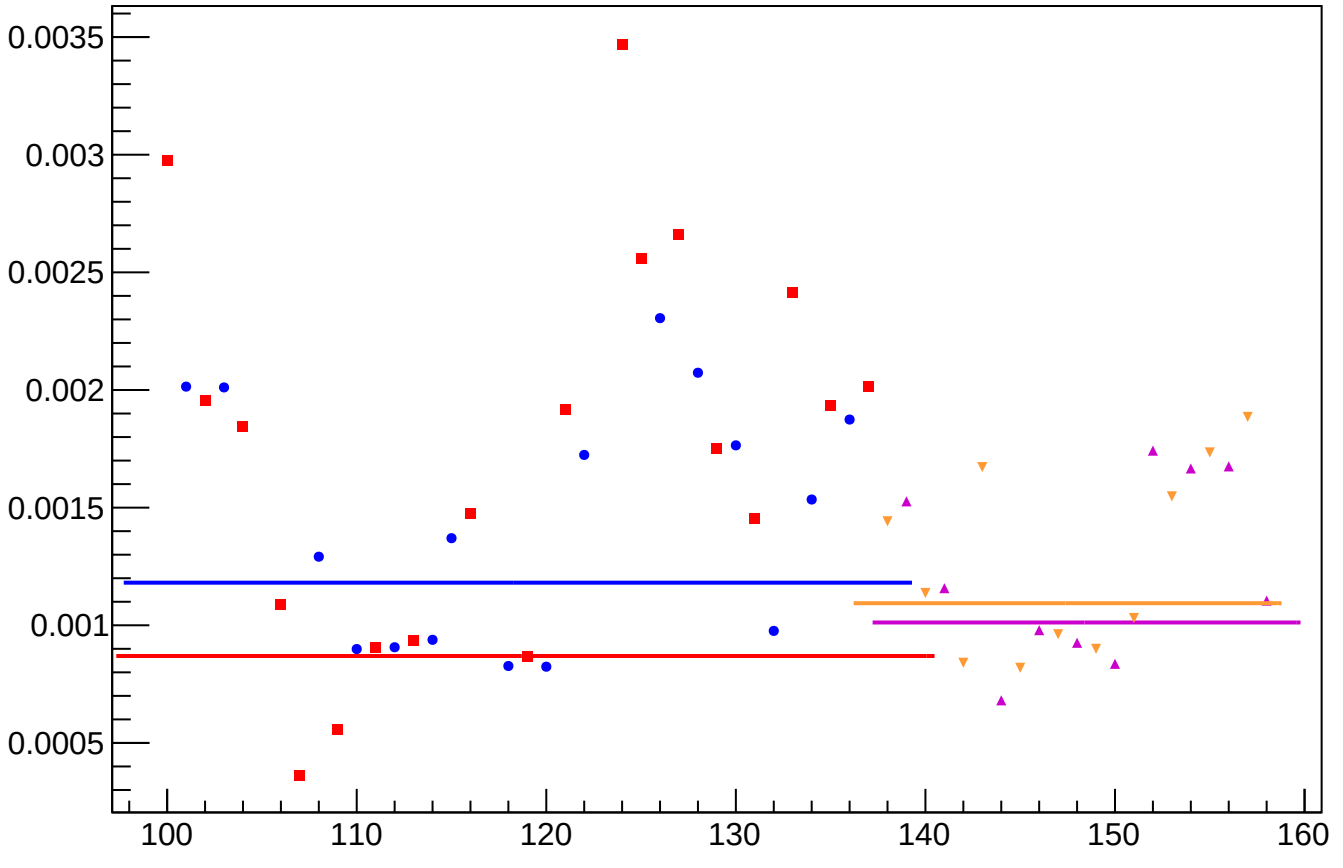
Left: 0.000+/-0.000 χ^2/NDF: 18.6/20

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:24.5/25

Out: 0.000+/-0.000 χ^2/NDF:25.0/29

All: 0.000+/-0.000 χ^2/NDF: 50.3/55



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1310419.1/10

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1560767.5/9

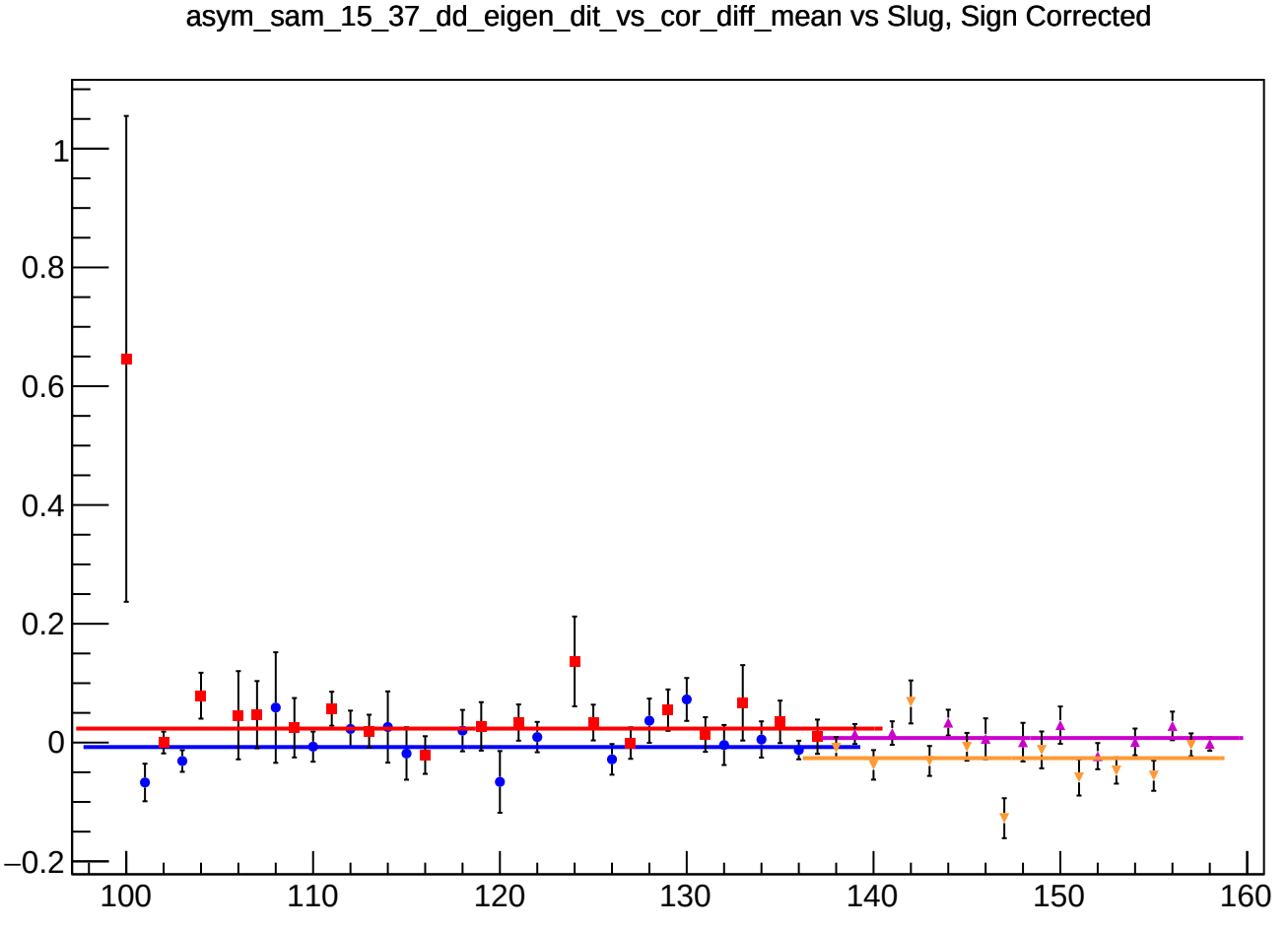
Left: 0.001+/-0.000 χ^2/NDF: 2918613.6/20

Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3550877.1/25

Out: 0.001+/-0.000 χ^2/NDF:6083525.1/29

All: 0.001+/-0.000 χ^2/NDF: 9750611.9/55



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.008+/-0.006 χ^2/NDF:5.7/9

Left: -0.007+/-0.005 χ^2/NDF: 40.3/20

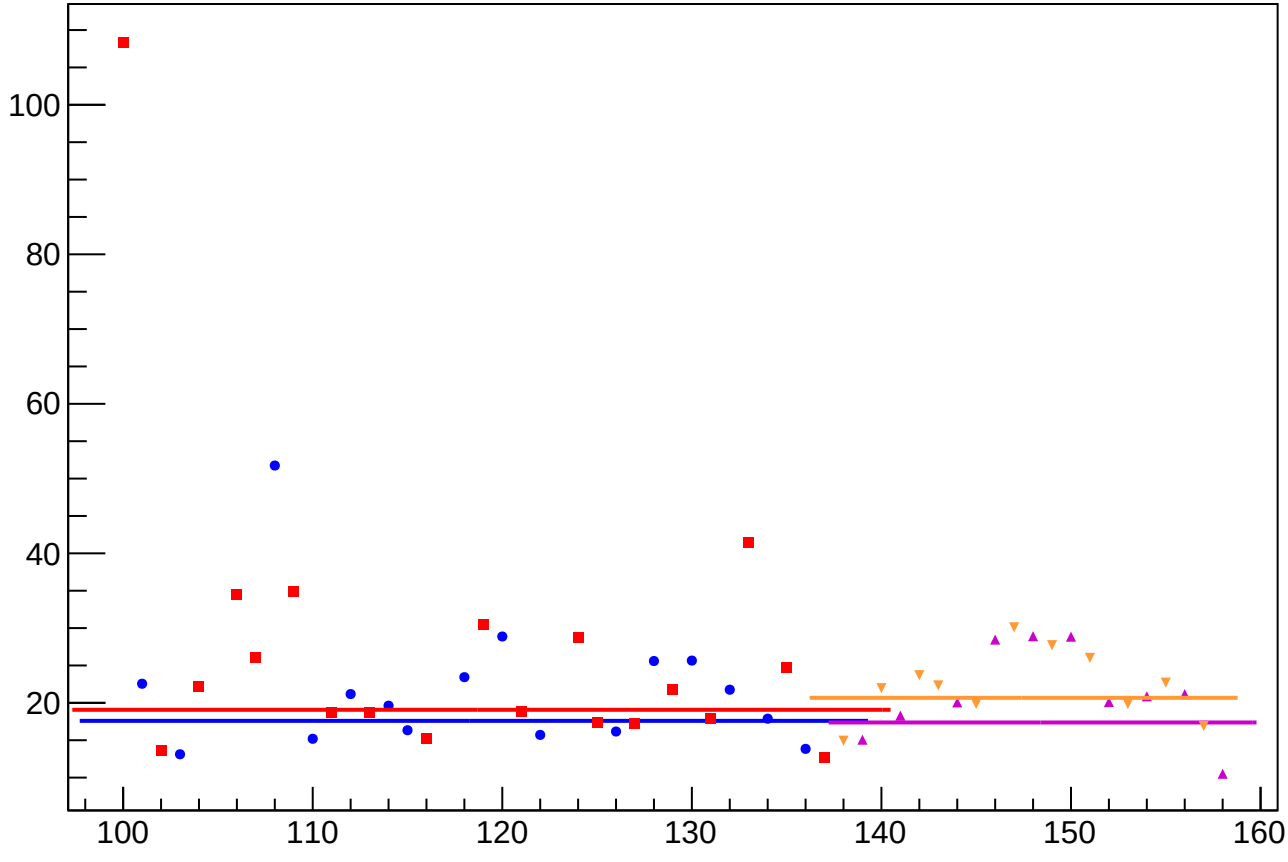
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.005 χ^2/NDF:24.9/25

Out: -0.002+/-0.005 χ^2/NDF:58.9/29

All: -0.001+/-0.004 χ^2/NDF: 84.0/55

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.7/10

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.374+/-0.005 χ^2/NDF:1627706.5/9

Left: 18.792+/-0.003 χ^2/NDF: 2505363.7/20

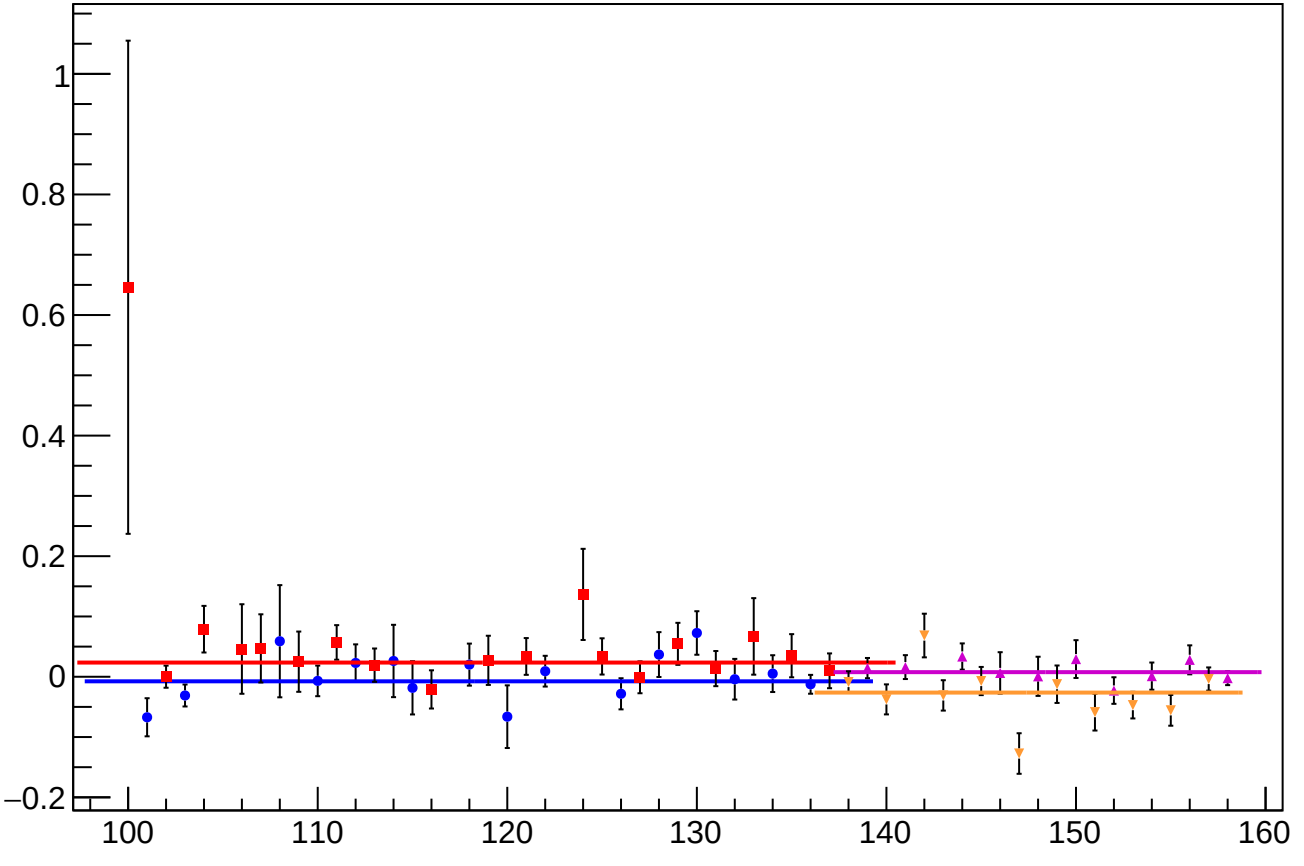
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.471+/-0.003 χ^2/NDF:2622008.1/25

Out: 19.909+/-0.004 χ^2/NDF:1943912.6/29

All: 18.556+/-0.003 χ^2/NDF: 4796047.2/55

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: -0.026+/-0.007 χ^2/NDF:22.6/10

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.008+/-0.006 χ^2/NDF:5.7/9

Left: -0.007+/-0.005 χ^2/NDF: 40.3/20

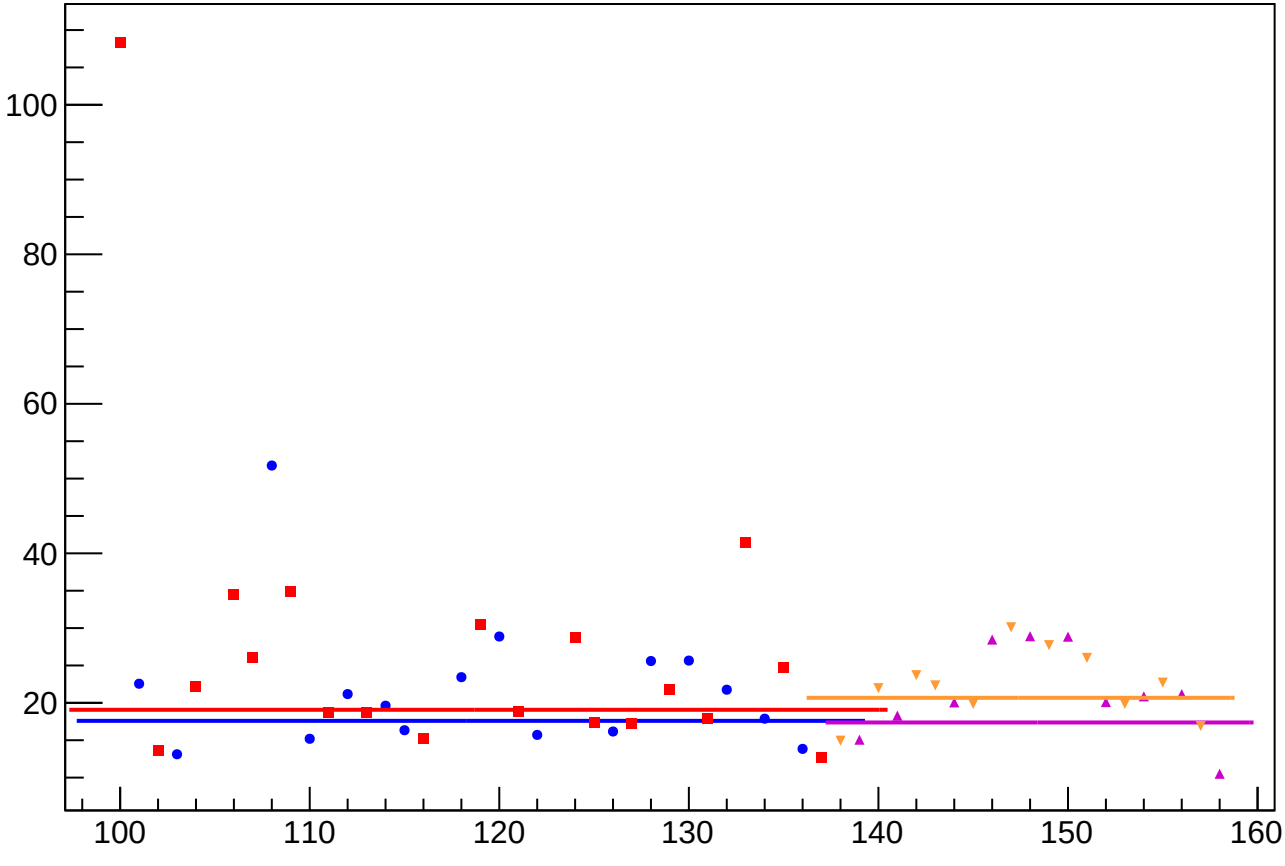
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.005 χ^2/NDF:24.9/25

Out: -0.002+/-0.005 χ^2/NDF:58.9/29

All: -0.001+/-0.004 χ^2/NDF: 84.0/55

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.7/10

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.374+/-0.005 χ^2/NDF:1627706.5/9

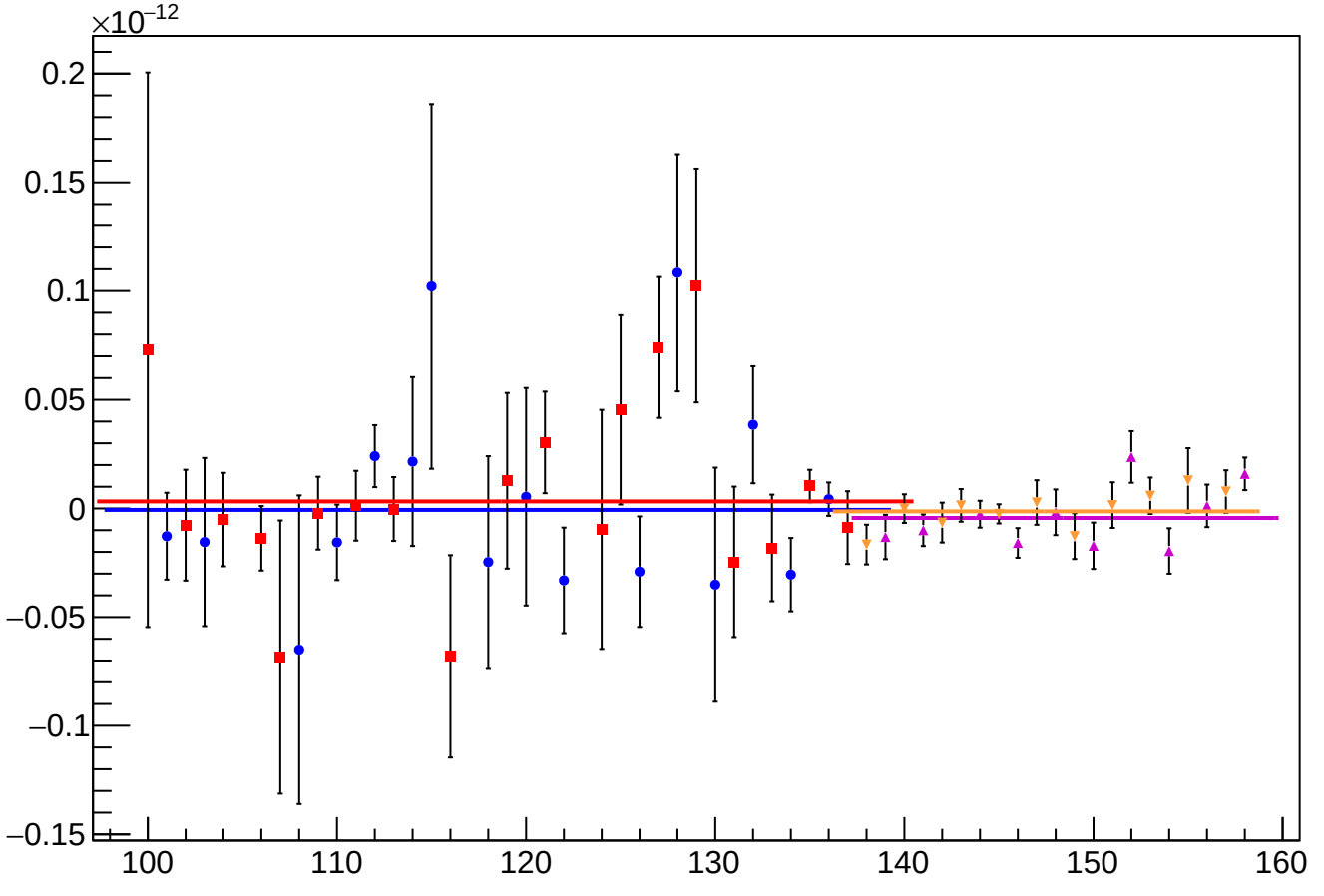
Left: 18.792+/-0.003 χ^2/NDF: 2505363.7/20

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.471+/-0.003 χ^2/NDF:2622008.1/25

Out: 19.909+/-0.004 χ^2/NDF:1943912.6/29

All: 18.556+/-0.003 χ^2/NDF: 4796047.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.1/9

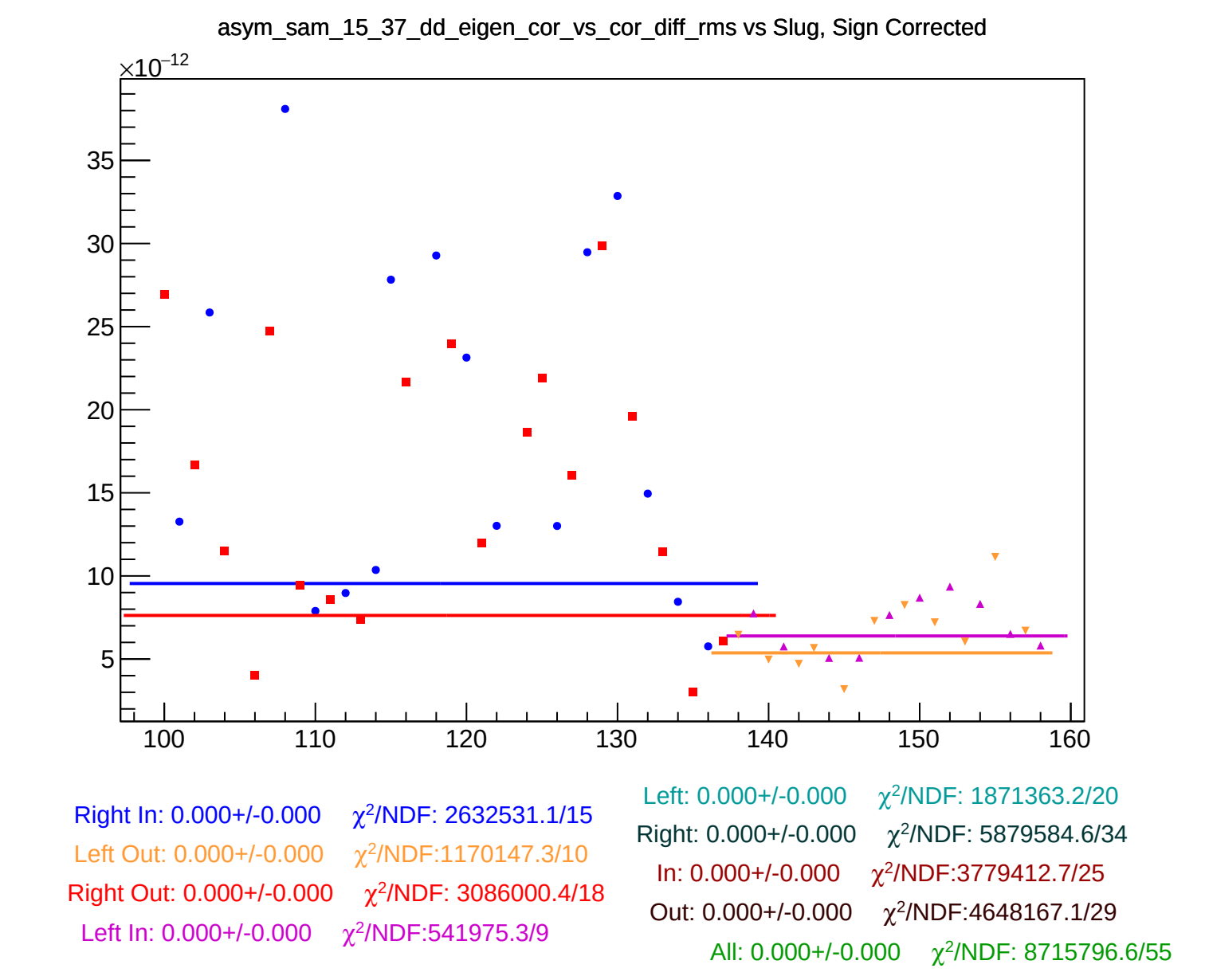
Left: -0.000+/-0.000 χ^2/NDF: 29.1/20

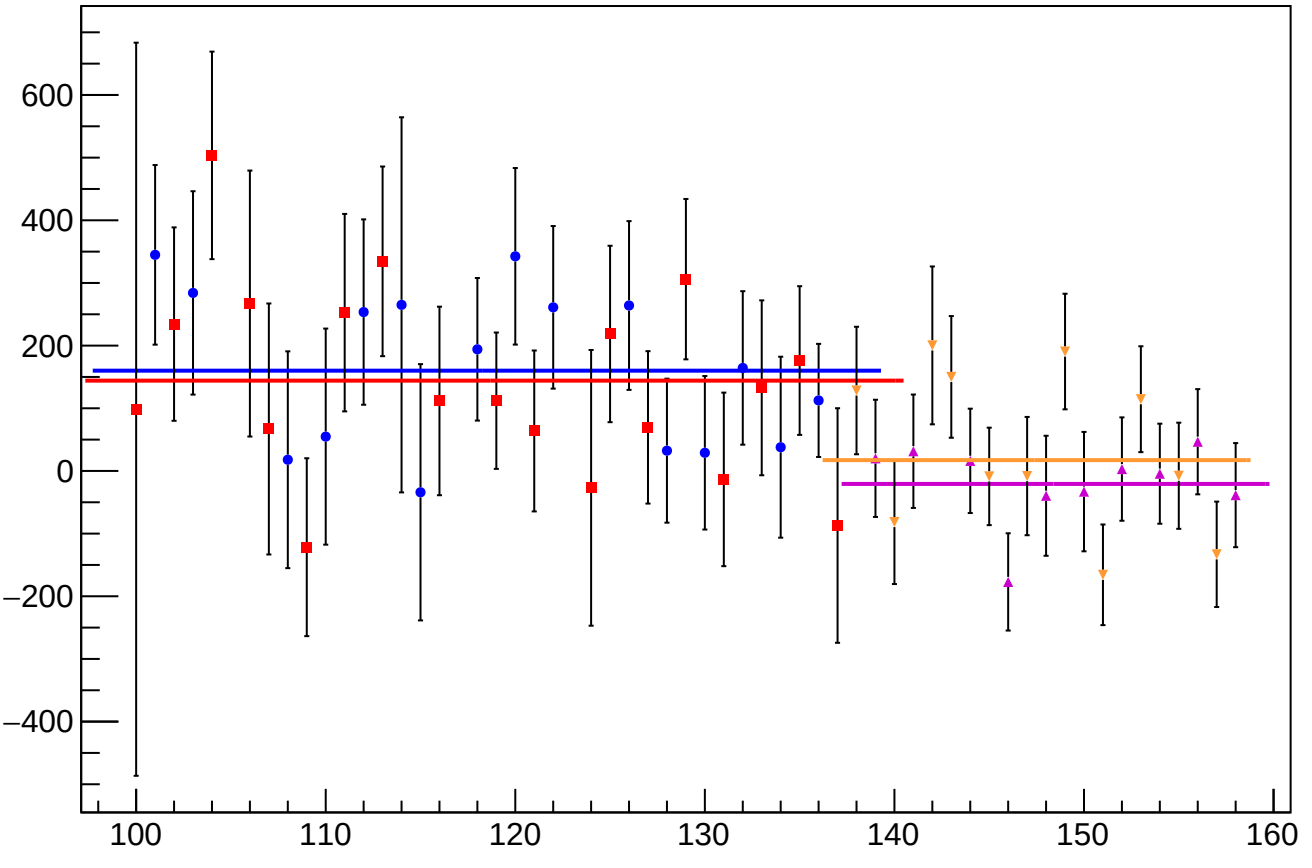
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:41.8/25

Out: -0.000+/-0.000 χ^2/NDF:27.3/29

All: -0.000+/-0.000 χ^2/NDF: 70.1/55


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1170147.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:541975.3/9
Left: 0.000+/-0.000 χ²/NDF: 1871363.2/20
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:3779412.7/25
Out: 0.000+/-0.000 χ²/NDF:4648167.1/29
All: 0.000+/-0.000 χ²/NDF: 8715796.6/55



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 17.263+/-27.328 χ^2/NDF:19.7/10

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -20.720+/-27.151 χ^2/NDF:5.6/9

Left: -1.852+/-19.261 χ^2/NDF: 26.3/20

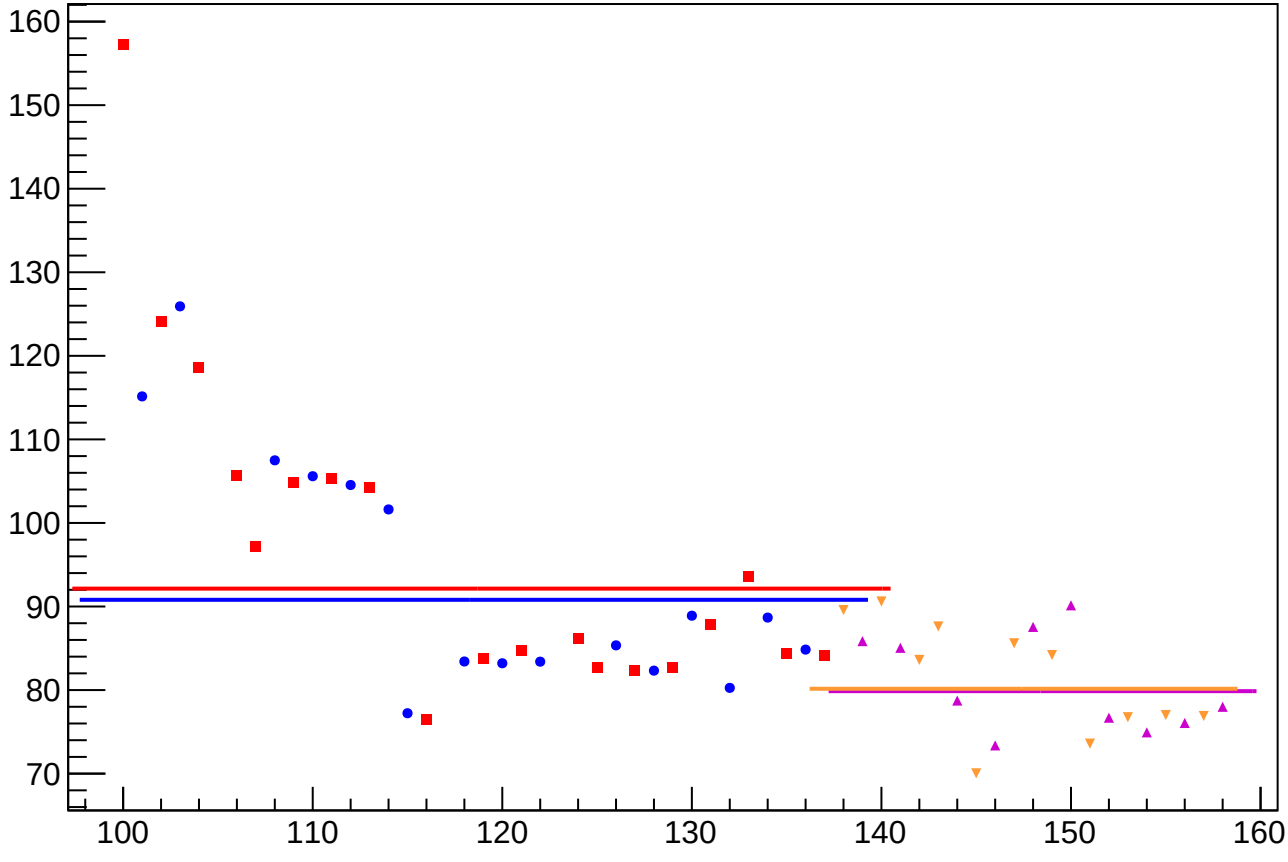
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 49.230+/-21.257 χ^2/NDF:33.9/25

Out: 66.672+/-21.352 χ^2/NDF:45.5/29

All: 57.912+/-15.065 χ^2/NDF: 79.7/55

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: 80.158+/-0.019 χ^2/NDF:119470.9/10

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

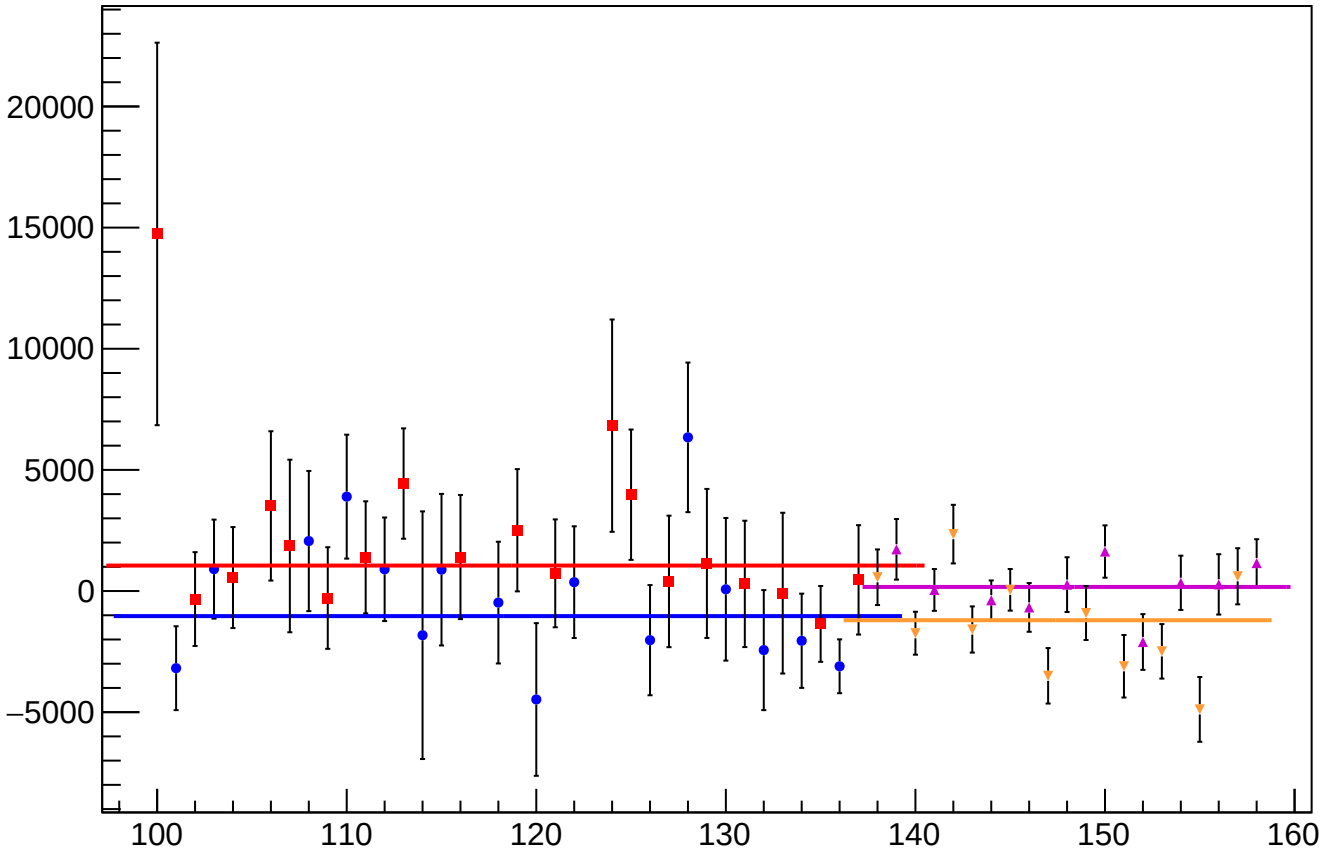
Left: 80.012+/-0.014 χ^2/NDF: 200587.3/20

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 84.100+/-0.015 χ^2/NDF:479274.4/25

Out: 84.825+/-0.015 χ^2/NDF:571287.8/29

All: 84.461+/-0.011 χ^2/NDF: 1051722.0/55



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1205.062+/-325.533 χ^2/NDF:31.3/10

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 168.699+/-327.199 χ^2/NDF:9.5/9

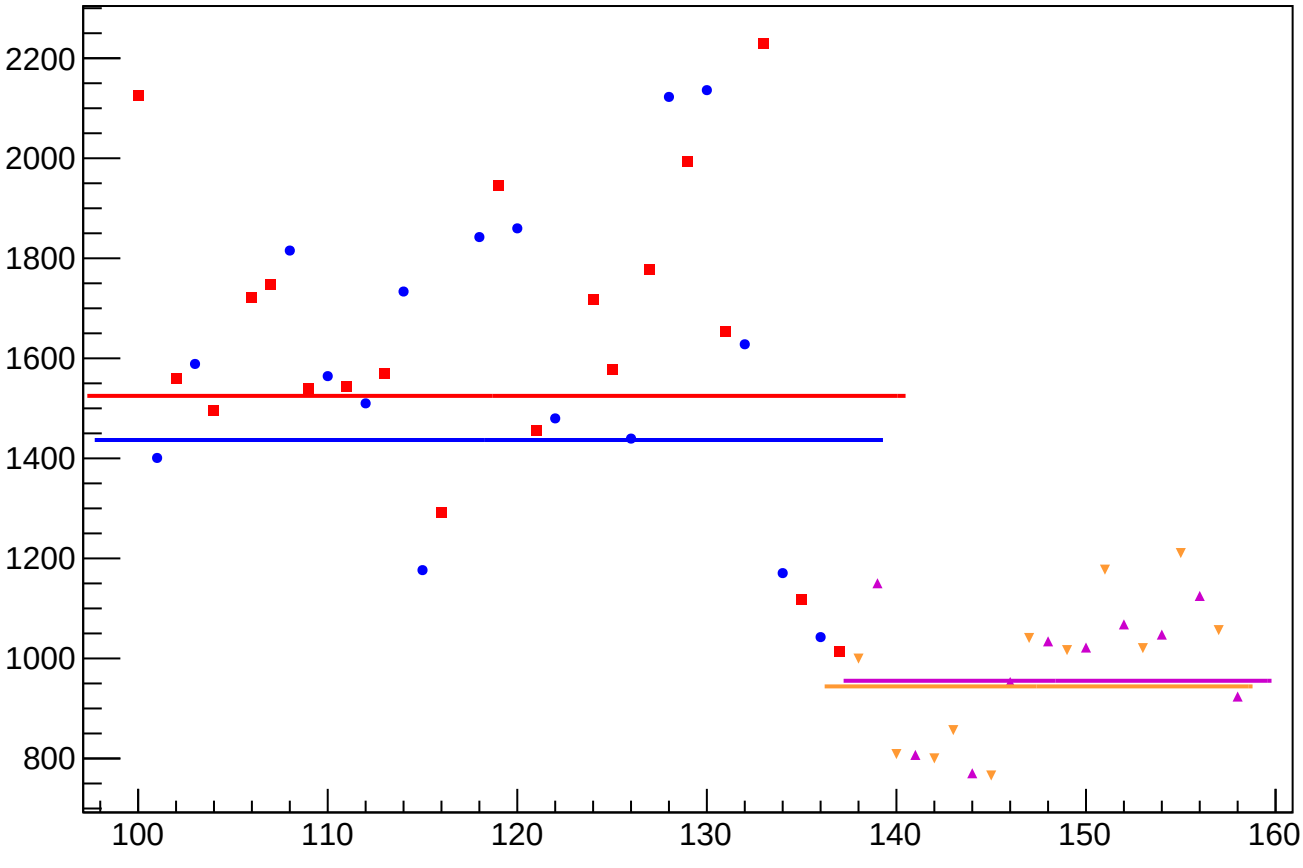
Left: -521.686+/-230.773 χ^2/NDF: 49.6/20

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -145.782+/-281.228 χ^2/NDF:33.3/25

Out: -648.494+/-282.550 χ^2/NDF:56.0/29

All: -395.959+/-199.324 χ^2/NDF: 90.9/55



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 944.102+/-0.230 χ^2/NDF:378136.2/10

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

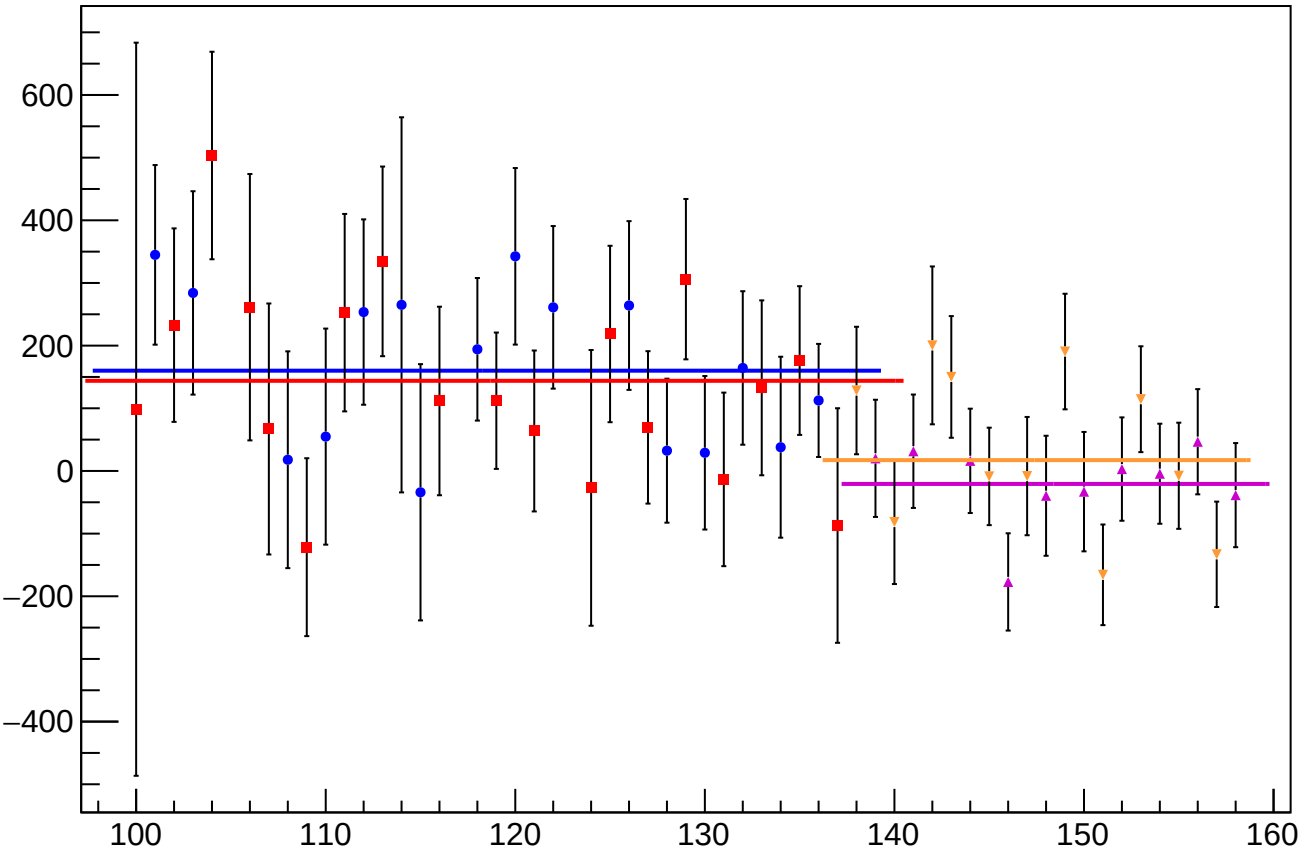
Left: 949.710+/-0.163 χ^2/NDF: 678791.5/20

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1081.133+/-0.199 χ^2/NDF:2105998.1/25

Out: 1087.365+/-0.200 χ^2/NDF:2453206.8/29

All: 1084.234+/-0.141 χ^2/NDF: 4559693.7/55



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 17.268+/-27.328 χ^2/NDF:19.7/10

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -20.718+/-27.151 χ^2/NDF:5.6/9

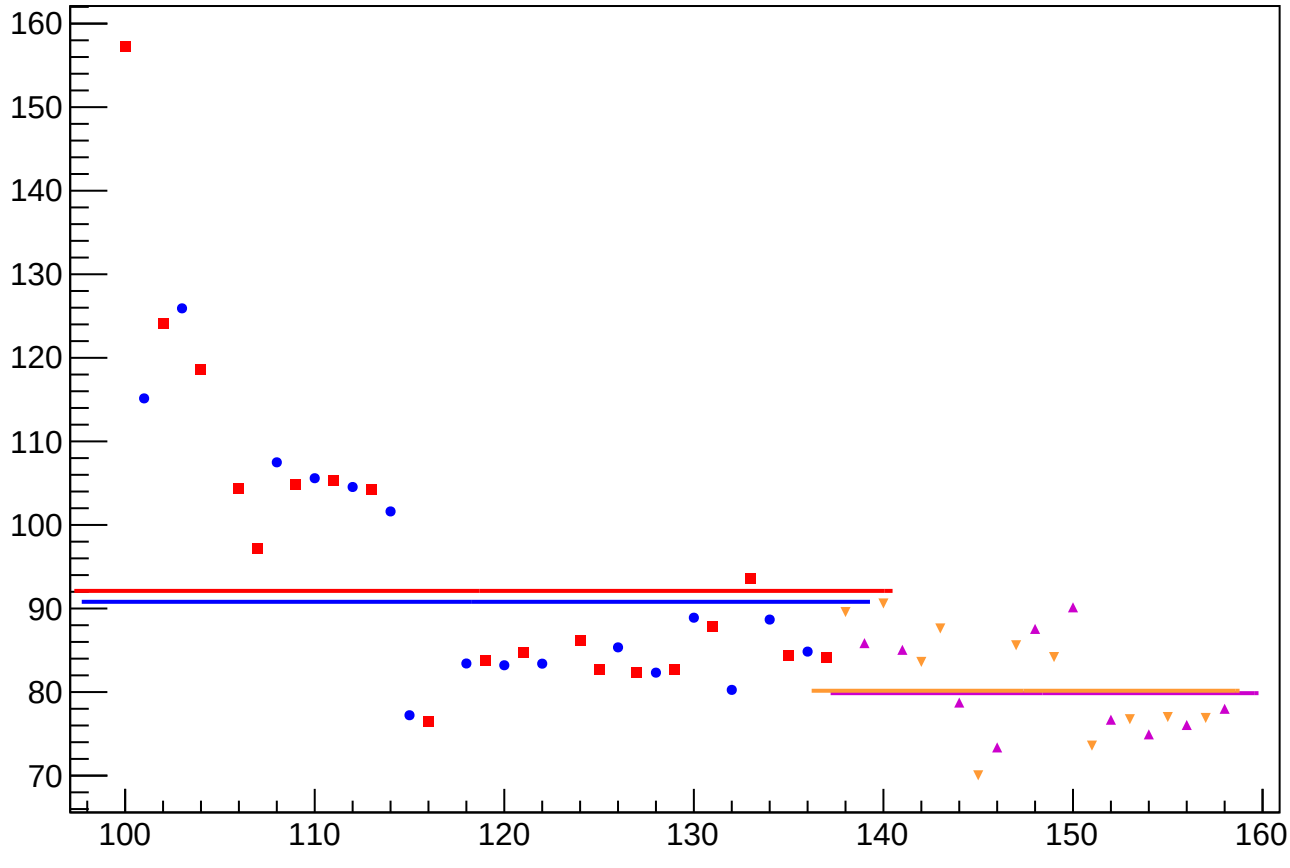
Left: -1.848+/-19.261 χ^2/NDF: 26.3/20

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 49.230+/-21.257 χ^2/NDF:33.9/25

Out: 66.572+/-21.353 χ^2/NDF:45.4/29

All: 57.862+/-15.065 χ^2/NDF: 79.6/55



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.158+/-0.019 χ^2/NDF:119470.9/10

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

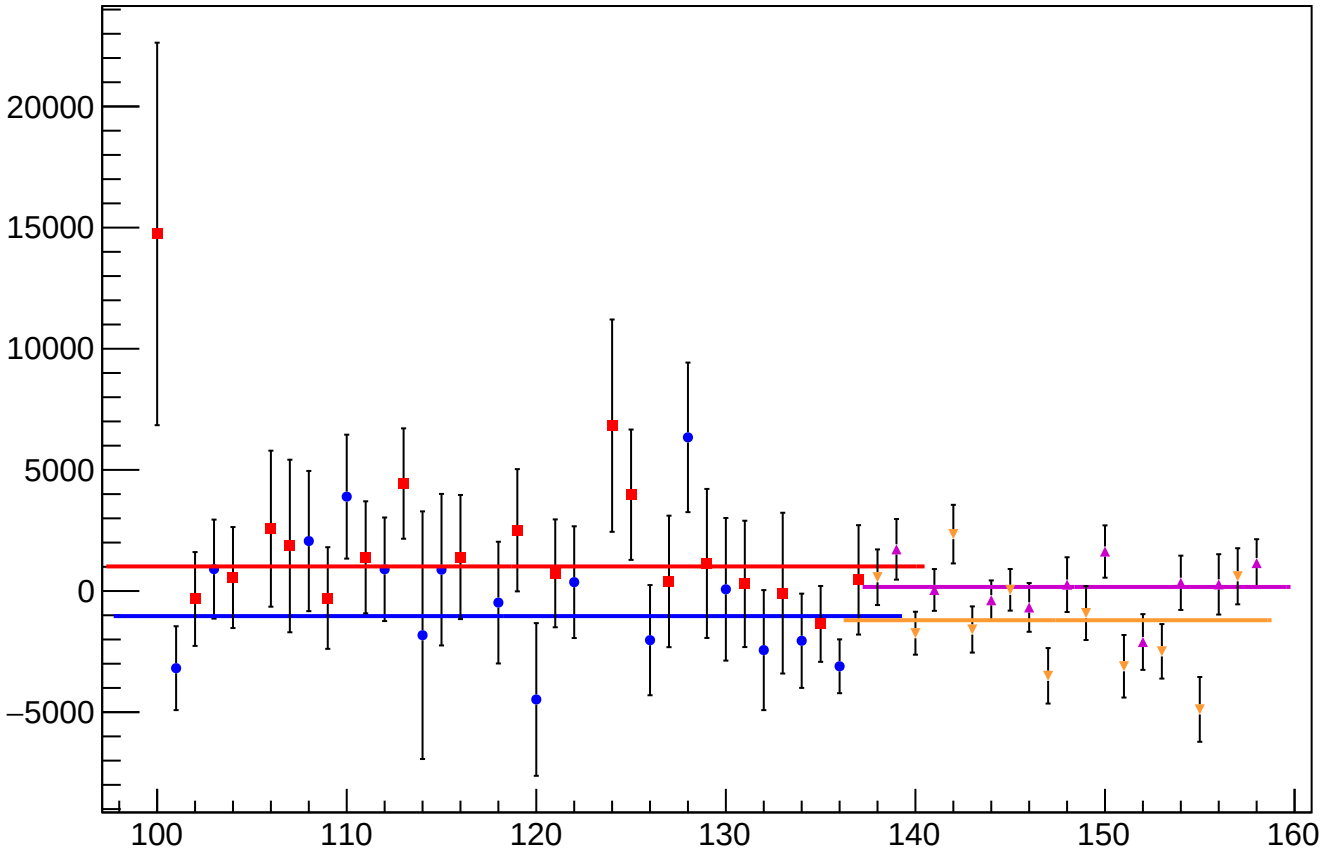
Left: 80.012+/-0.014 χ^2/NDF: 200587.3/20

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 84.100+/-0.015 χ^2/NDF:479276.3/25

Out: 84.812+/-0.015 χ^2/NDF:569186.2/29

All: 84.454+/-0.011 χ^2/NDF: 1049580.4/55



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1205.055+/-325.533 χ^2/NDF:31.3/10

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 168.701+/-327.199 χ^2/NDF:9.5/9

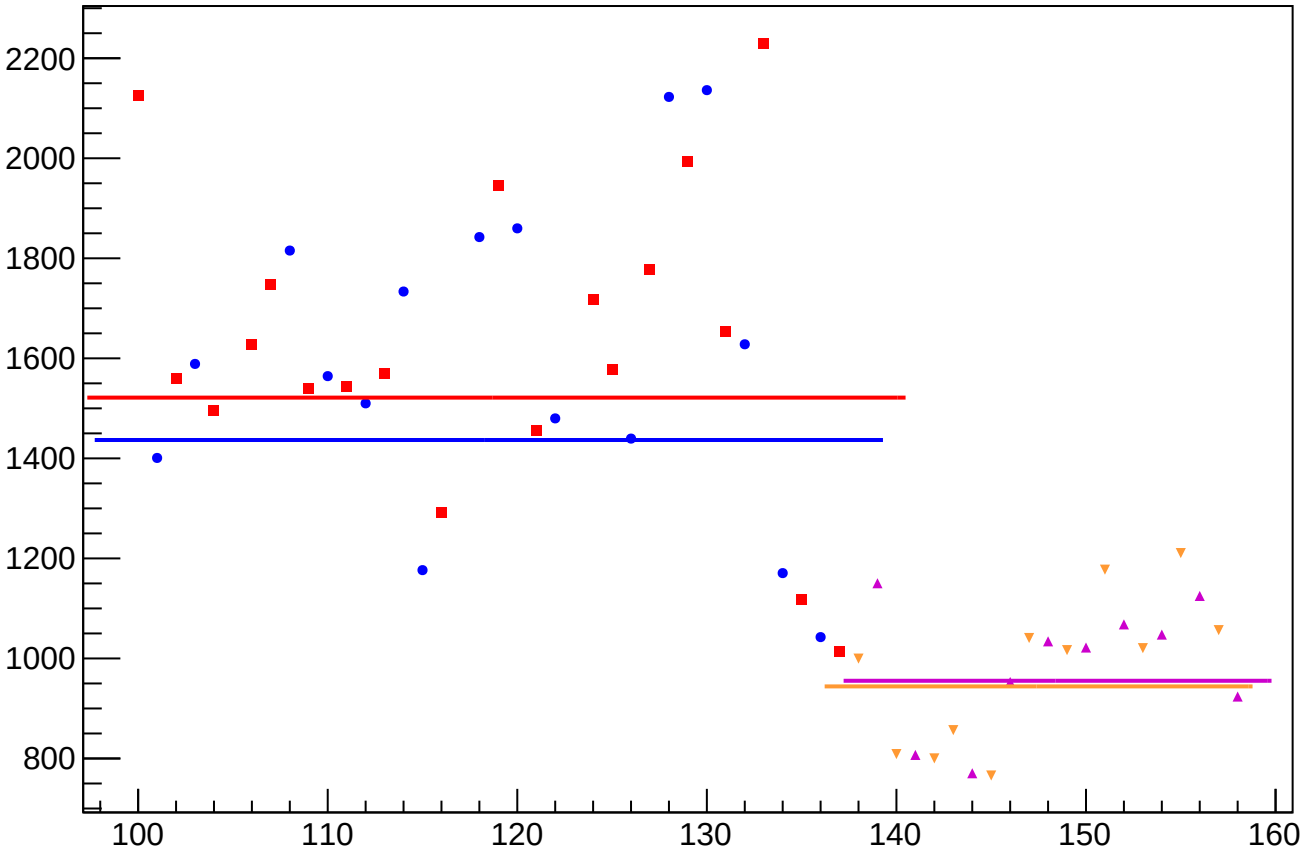
Left: -521.682+/-230.773 χ^2/NDF: 49.6/20

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -145.773+/-281.228 χ^2/NDF:33.3/25

Out: -658.615+/-282.653 χ^2/NDF:55.2/29

All: -400.898+/-199.360 χ^2/NDF: 90.1/55



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 944.101+/-0.230 χ^2/NDF:378137.4/10

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

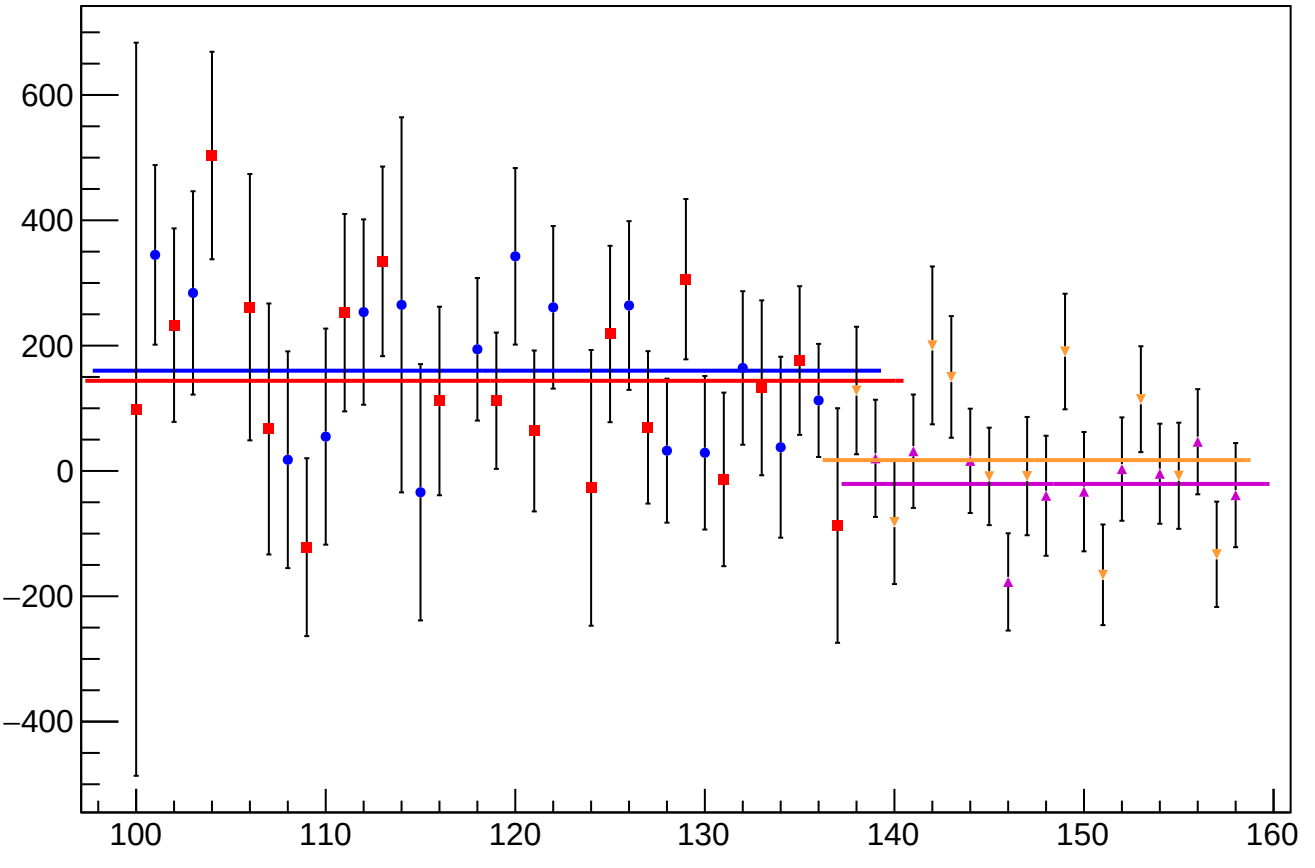
Left: 949.710+/-0.163 χ^2/NDF: 678792.7/20

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1081.133+/-0.199 χ^2/NDF:2106017.7/25

Out: 1086.196+/-0.200 χ^2/NDF:2424920.7/29

All: 1083.652+/-0.141 χ^2/NDF: 4531260.8/55



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 17.268+/-27.328 χ^2/NDF:19.7/10

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -20.718+/-27.151 χ^2/NDF:5.6/9

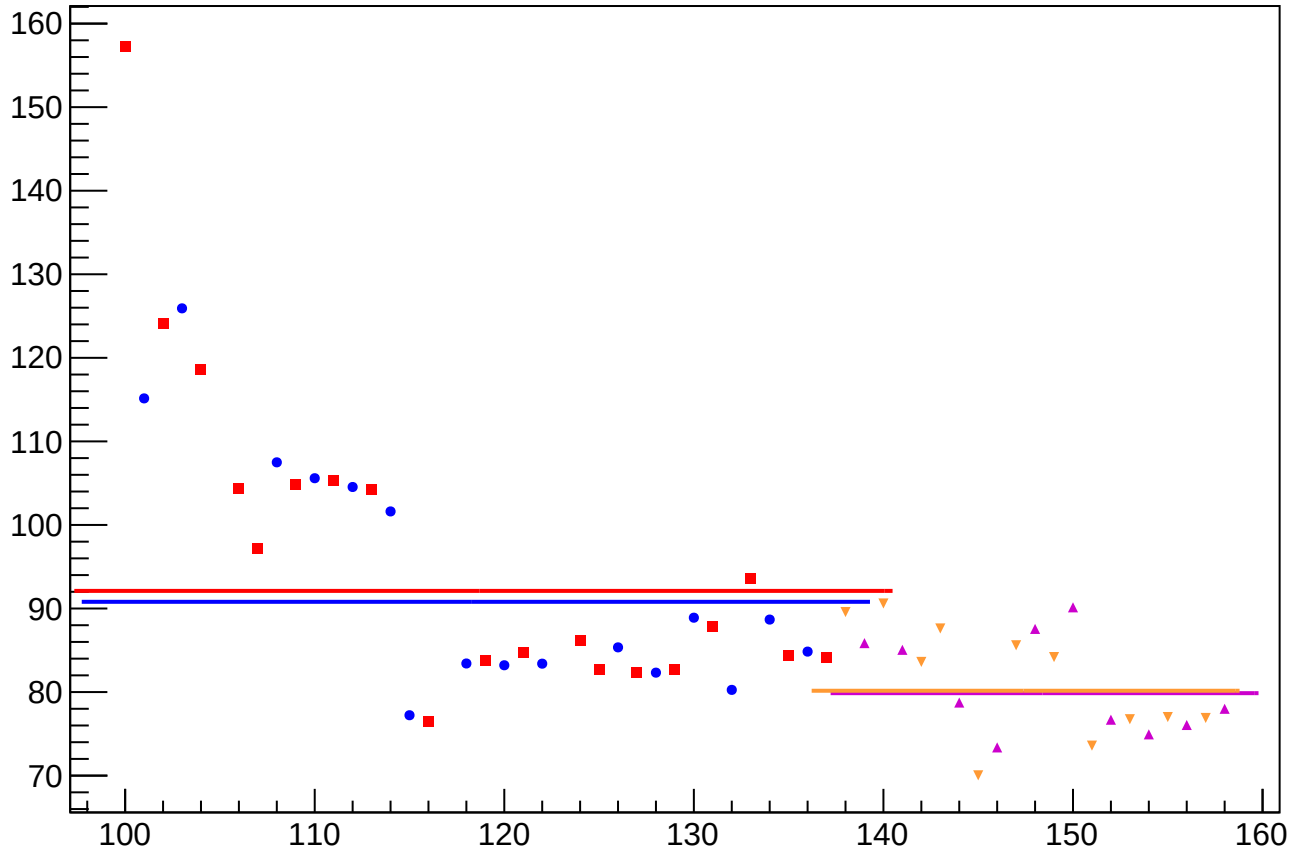
Left: -1.848+/-19.261 χ^2/NDF: 26.3/20

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 49.230+/-21.257 χ^2/NDF:33.9/25

Out: 66.572+/-21.353 χ^2/NDF:45.4/29

All: 57.862+/-15.065 χ^2/NDF: 79.6/55



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.158+/-0.019 χ^2/NDF:119470.9/10

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

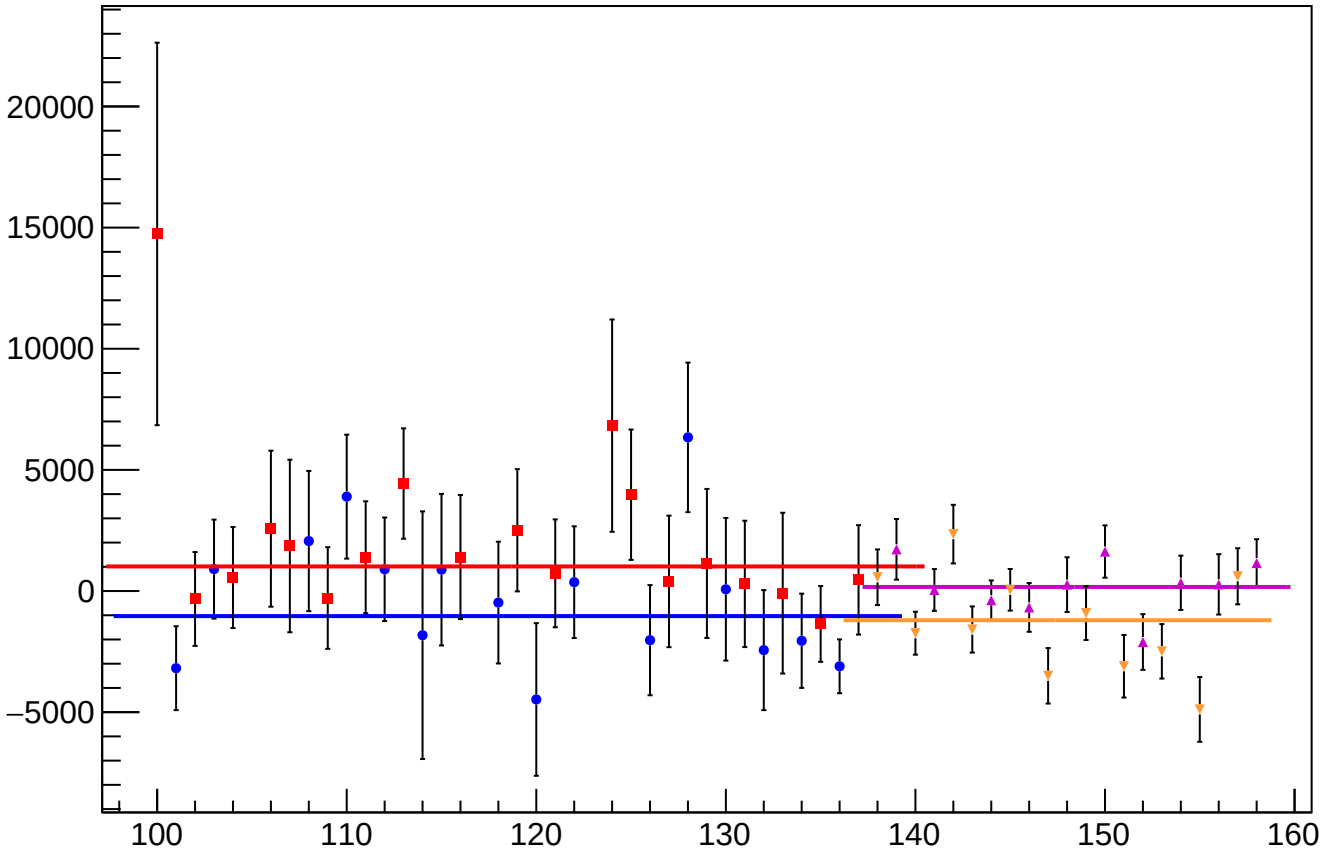
Left: 80.012+/-0.014 χ^2/NDF: 200587.3/20

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 84.100+/-0.015 χ^2/NDF:479276.3/25

Out: 84.812+/-0.015 χ^2/NDF:569186.2/29

All: 84.454+/-0.011 χ^2/NDF: 1049580.4/55



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1205.055+/-325.533 χ^2/NDF:31.3/10

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 168.701+/-327.199 χ^2/NDF:9.5/9

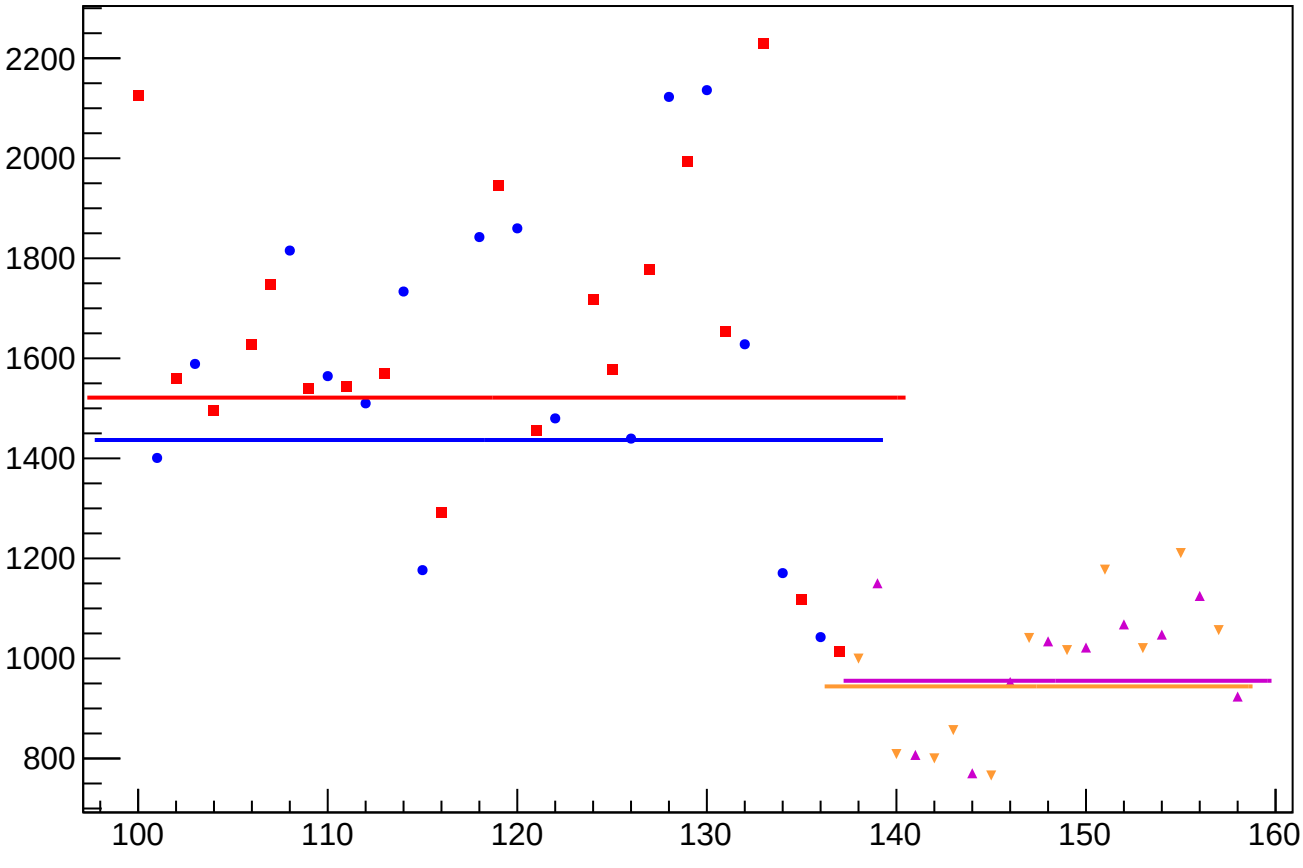
Left: -521.682+/-230.773 χ^2/NDF: 49.6/20

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -145.773+/-281.228 χ^2/NDF:33.3/25

Out: -658.615+/-282.653 χ^2/NDF:55.2/29

All: -400.898+/-199.360 χ^2/NDF: 90.1/55



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 944.101+/-0.230 χ^2/NDF:378137.4/10

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

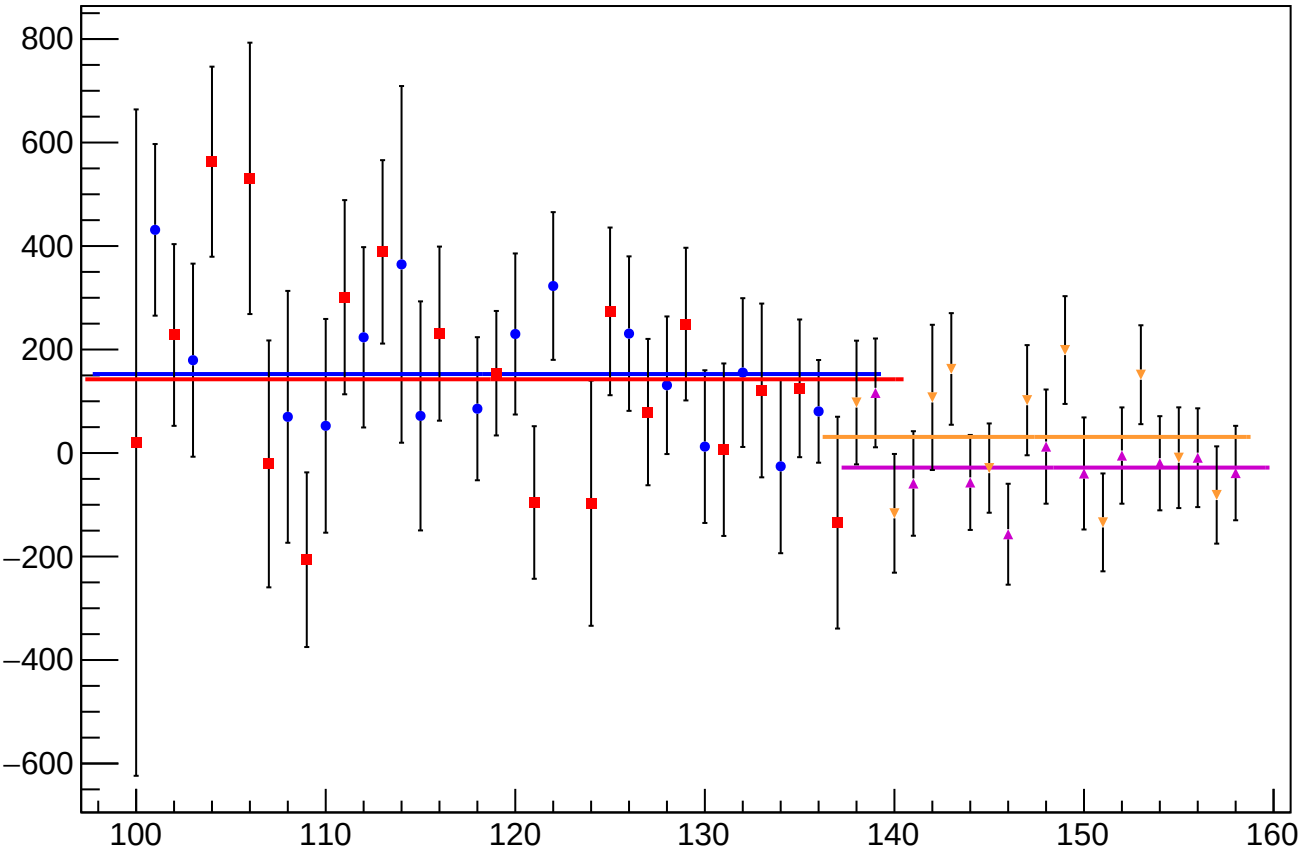
Left: 949.710+/-0.163 χ^2/NDF: 678792.7/20

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1081.133+/-0.199 χ^2/NDF:2106017.7/25

Out: 1086.196+/-0.200 χ^2/NDF:2424920.7/29

All: 1083.652+/-0.141 χ^2/NDF: 4531260.8/55



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 31.128+/-31.044 χ^2/NDF:13.5/10

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -28.157+/-30.920 χ^2/NDF:4.1/9

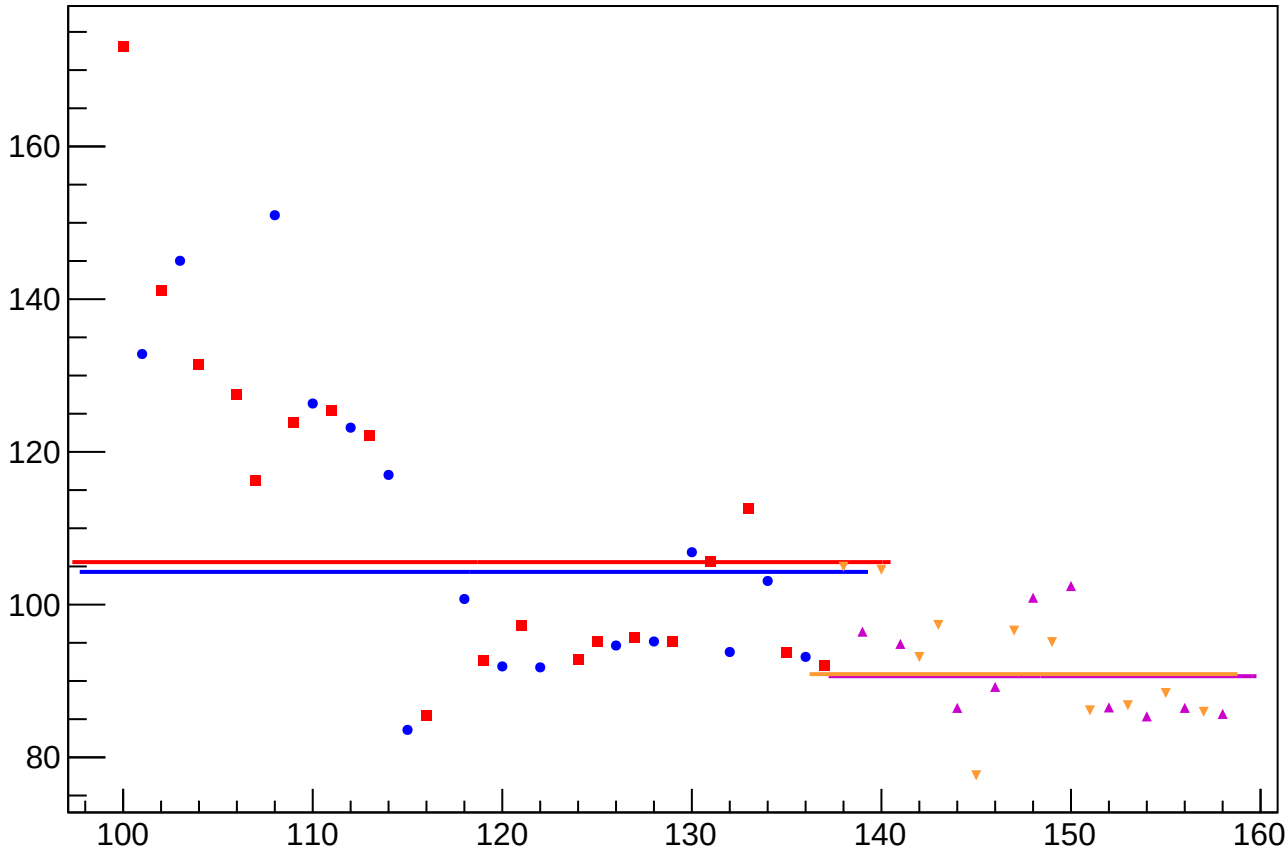
Left: 1.367+/-21.907 χ^2/NDF: 19.4/20

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 40.646+/-24.335 χ^2/NDF:25.7/25

Out: 73.864+/-24.370 χ^2/NDF:41.4/29

All: 57.231+/-17.220 χ^2/NDF: 68.0/55



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.896+/-0.022 χ^2/NDF:135371.8/10

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.627+/-0.022 χ^2/NDF:75487.0/9

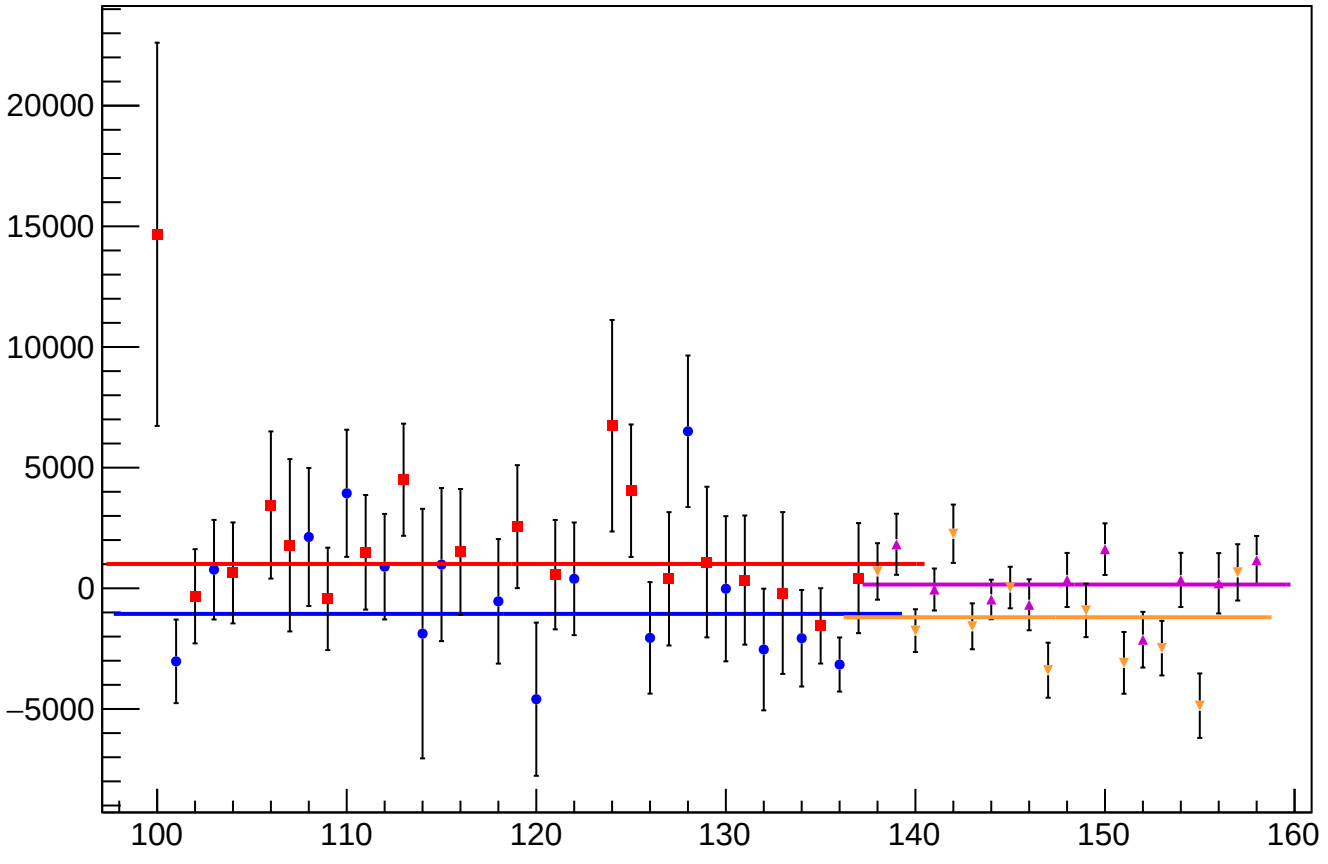
Left: 90.761+/-0.015 χ^2/NDF: 210934.1/20

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 95.825+/-0.017 χ^2/NDF:602349.1/25

Out: 96.526+/-0.017 χ^2/NDF:651425.4/29

All: 96.175+/-0.012 χ^2/NDF: 1254602.7/55



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1199.571+/-325.852 χ^2/NDF:30.7/10

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 156.992+/-330.106 χ^2/NDF:9.9/9

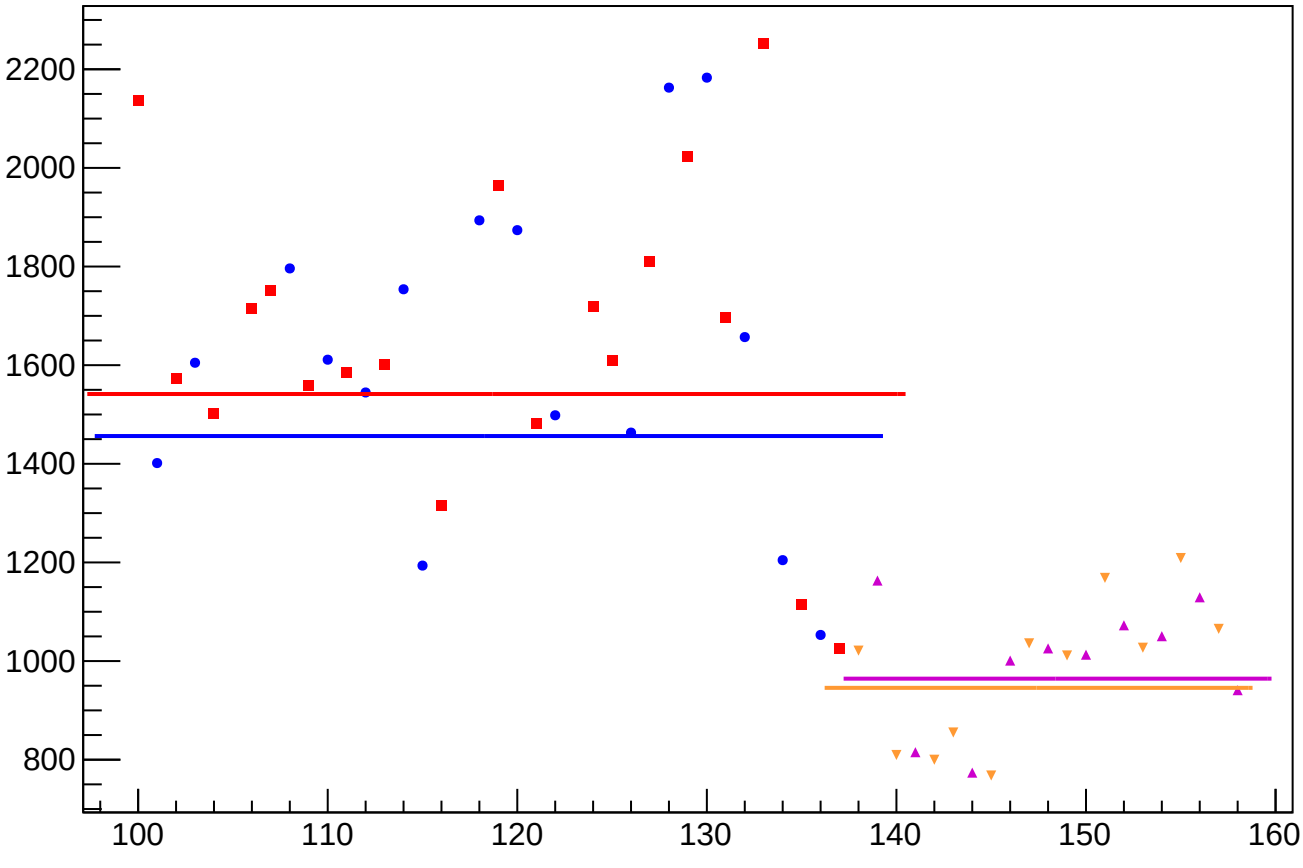
Left: -530.088+/-231.902 χ^2/NDF: 49.1/20

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -158.640+/-284.066 χ^2/NDF:33.4/25

Out: -662.627+/-283.506 χ^2/NDF:55.2/29

All: -411.131+/-200.667 χ^2/NDF: 90.2/55



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 945.696+/-0.230 χ^2/NDF:377457.8/10

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 964.345+/-0.233 χ^2/NDF:293990.5/9

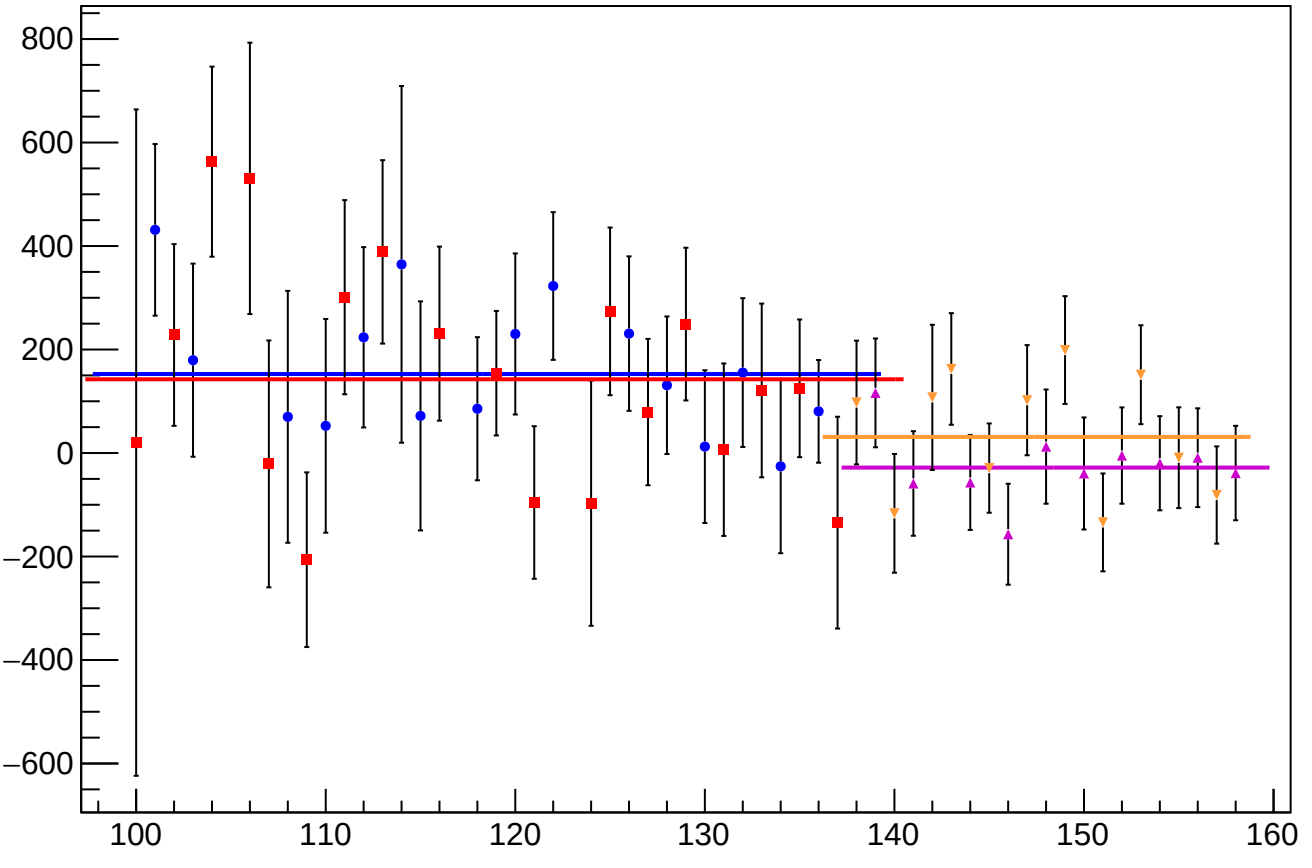
Left: 954.899+/-0.164 χ^2/NDF: 674681.3/20

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1092.004+/-0.201 χ^2/NDF:2131457.9/25

Out: 1090.492+/-0.200 χ^2/NDF:2521852.5/29

All: 1091.247+/-0.142 χ^2/NDF: 4653338.8/55



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 31.128+/-31.044 χ^2/NDF:13.5/10

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -28.157+/-30.920 χ^2/NDF:4.1/9

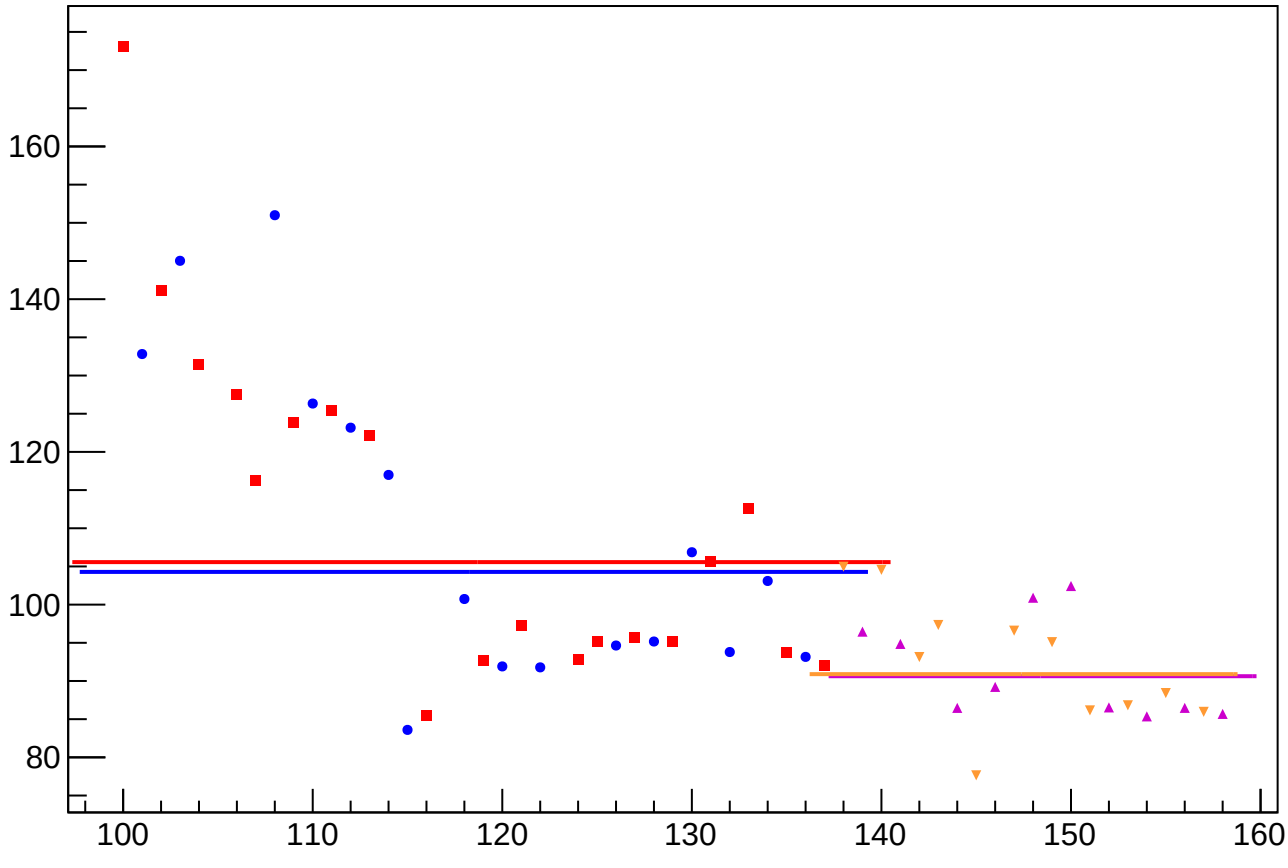
Left: 1.367+/-21.907 χ^2/NDF: 19.4/20

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 40.647+/-24.335 χ^2/NDF:25.7/25

Out: 73.864+/-24.370 χ^2/NDF:41.4/29

All: 57.232+/-17.220 χ^2/NDF: 68.0/55



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.896+/-0.022 χ^2/NDF:135367.7/10

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.627+/-0.022 χ^2/NDF:75485.1/9

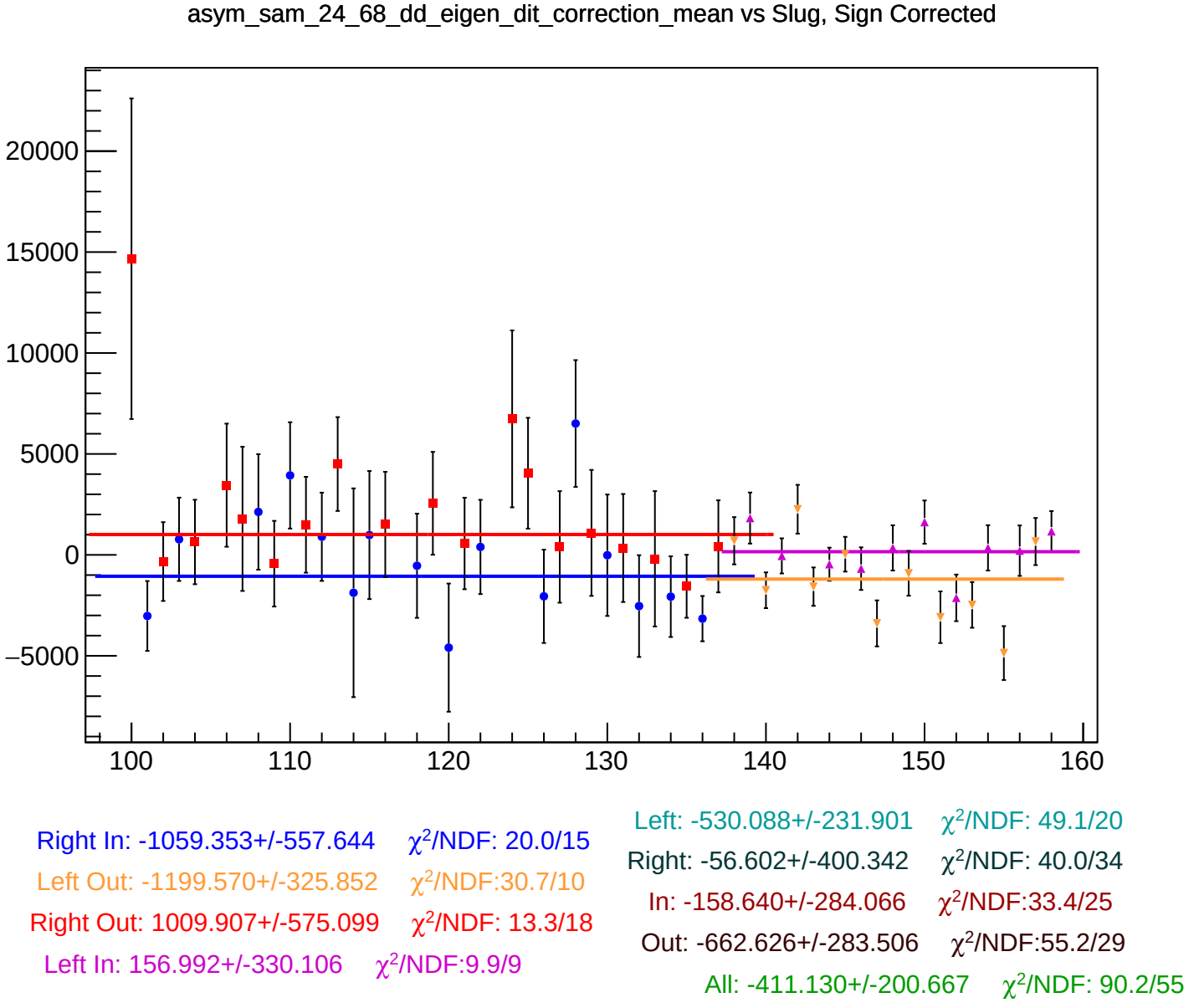
Left: 90.761+/-0.015 χ^2/NDF: 210928.2/20

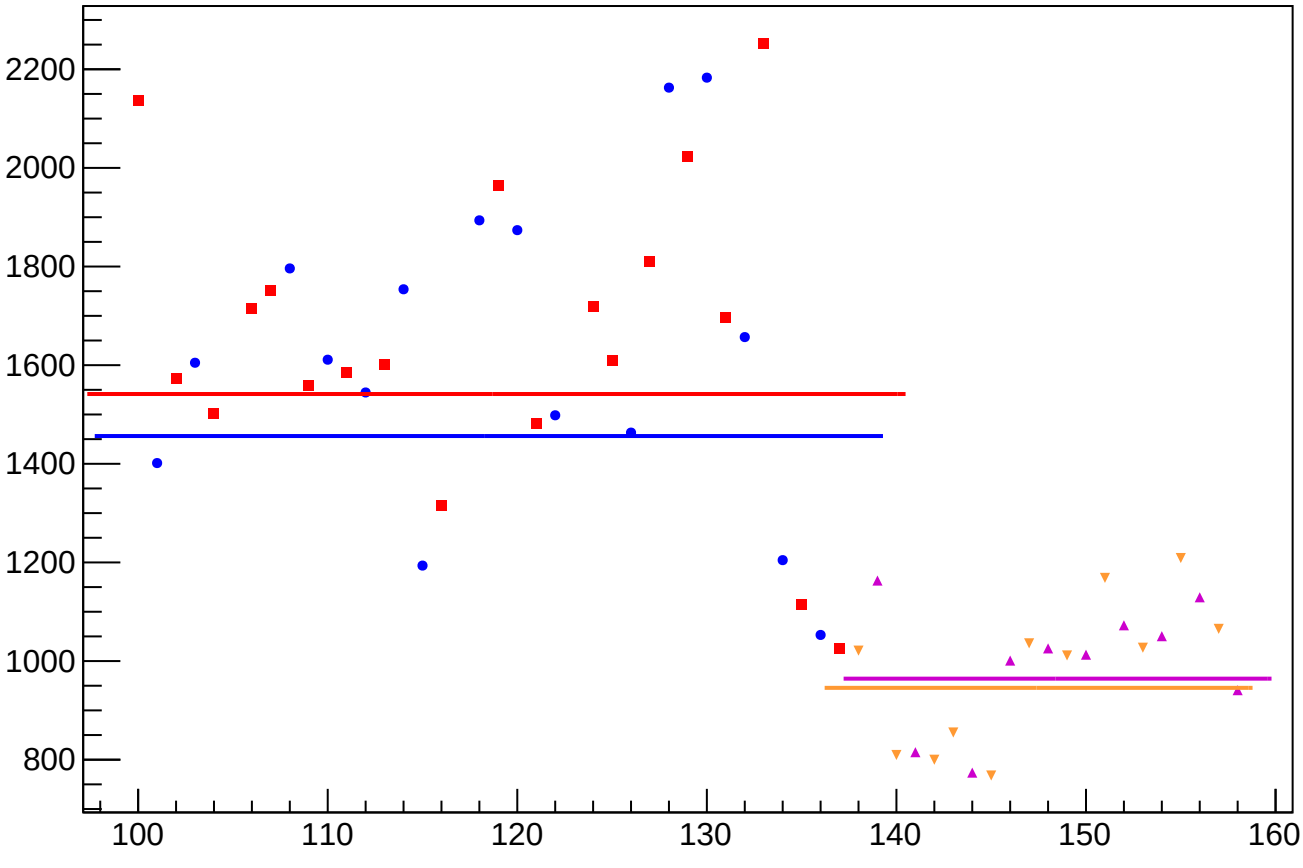
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 95.825+/-0.017 χ^2/NDF:602328.3/25

Out: 96.526+/-0.017 χ^2/NDF:651400.1/29

All: 96.175+/-0.012 χ^2/NDF: 1254557.1/55


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -1059.353+/-557.644 χ²/NDF: 20.0/15
Left Out: -1199.570+/-325.852 χ²/NDF:30.7/10
Right Out: 1009.907+/-575.099 χ²/NDF: 13.3/18
Left In: 156.992+/-330.106 χ²/NDF:9.9/9
Left: -530.088+/-231.901 χ²/NDF: 49.1/20
Right: -56.602+/-400.342 χ²/NDF: 40.0/34
In: -158.640+/-284.066 χ²/NDF:33.4/25
Out: -662.626+/-283.506 χ²/NDF:55.2/29
All: -411.130+/-200.667 χ²/NDF: 90.2/55



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 945.695+/-0.230 χ^2/NDF:377460.8/10

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 964.344+/-0.233 χ^2/NDF:293991.5/9

Left: 954.898+/-0.164 χ^2/NDF: 674685.4/20

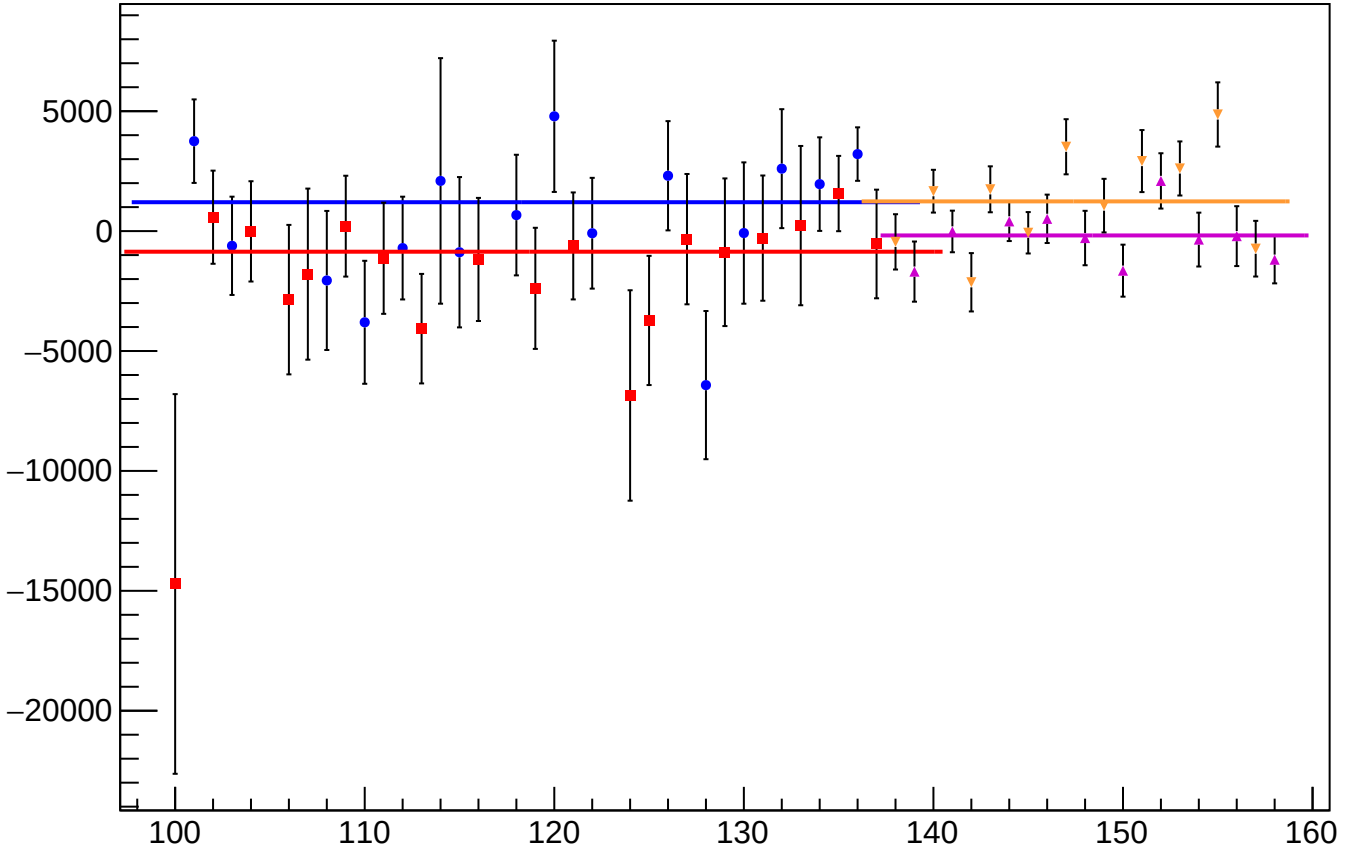
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1092.003+/-0.201 χ^2/NDF:2131451.3/25

Out: 1090.491+/-0.200 χ^2/NDF:2521849.5/29

All: 1091.245+/-0.142 χ^2/NDF: 4653329.2/55

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1238.918+/-326.886 χ^2/NDF:30.0/10

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -180.857+/-328.465 χ^2/NDF:9.3/9

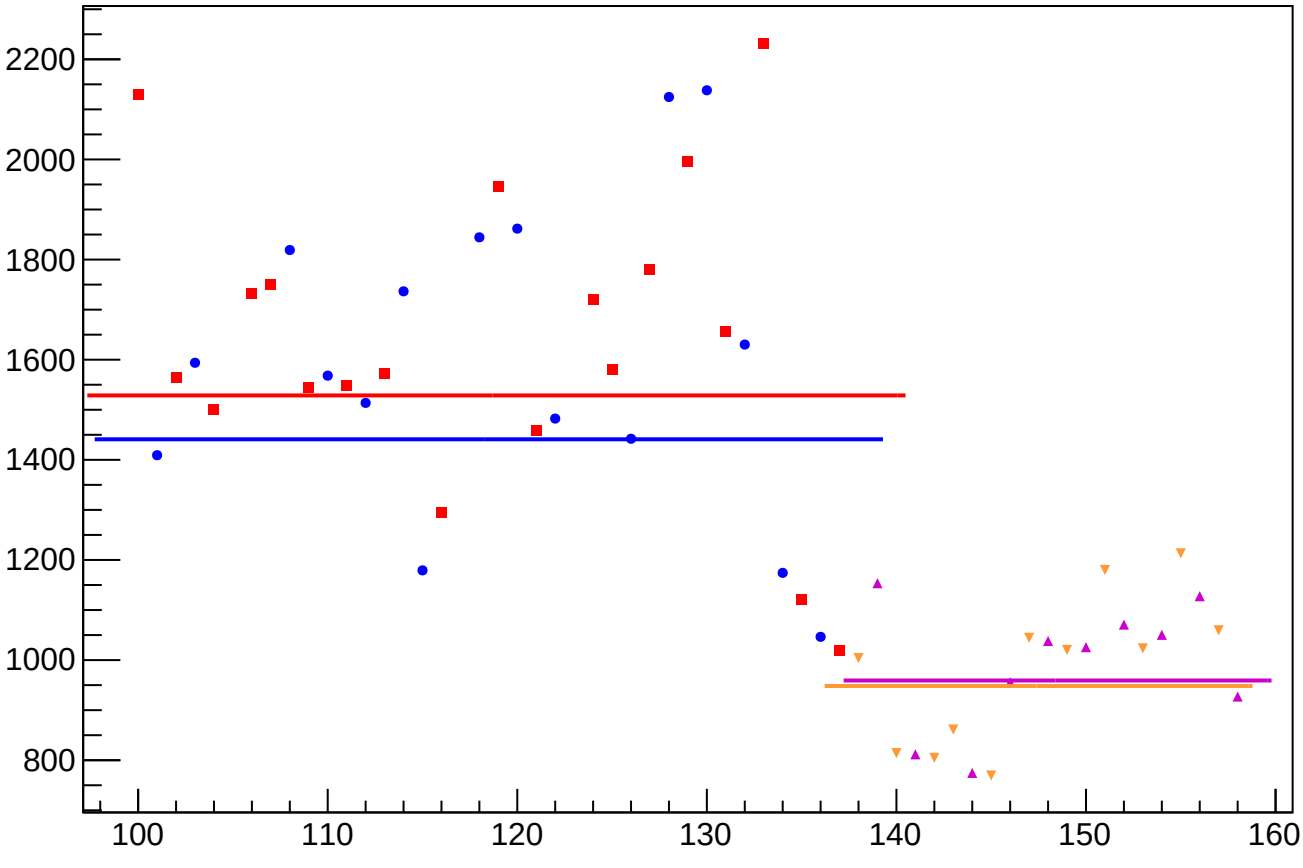
Left: 532.452+/-231.699 χ^2/NDF: 48.6/20

Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 181.714+/-282.235 χ^2/NDF:35.1/25

Out: 720.172+/-283.613 χ^2/NDF:52.6/29

All: 449.632+/-200.056 χ^2/NDF: 89.5/55



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 948.258+/-0.231 χ^2/NDF:372050.2/10

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 959.242+/-0.232 χ^2/NDF:294570.2/9

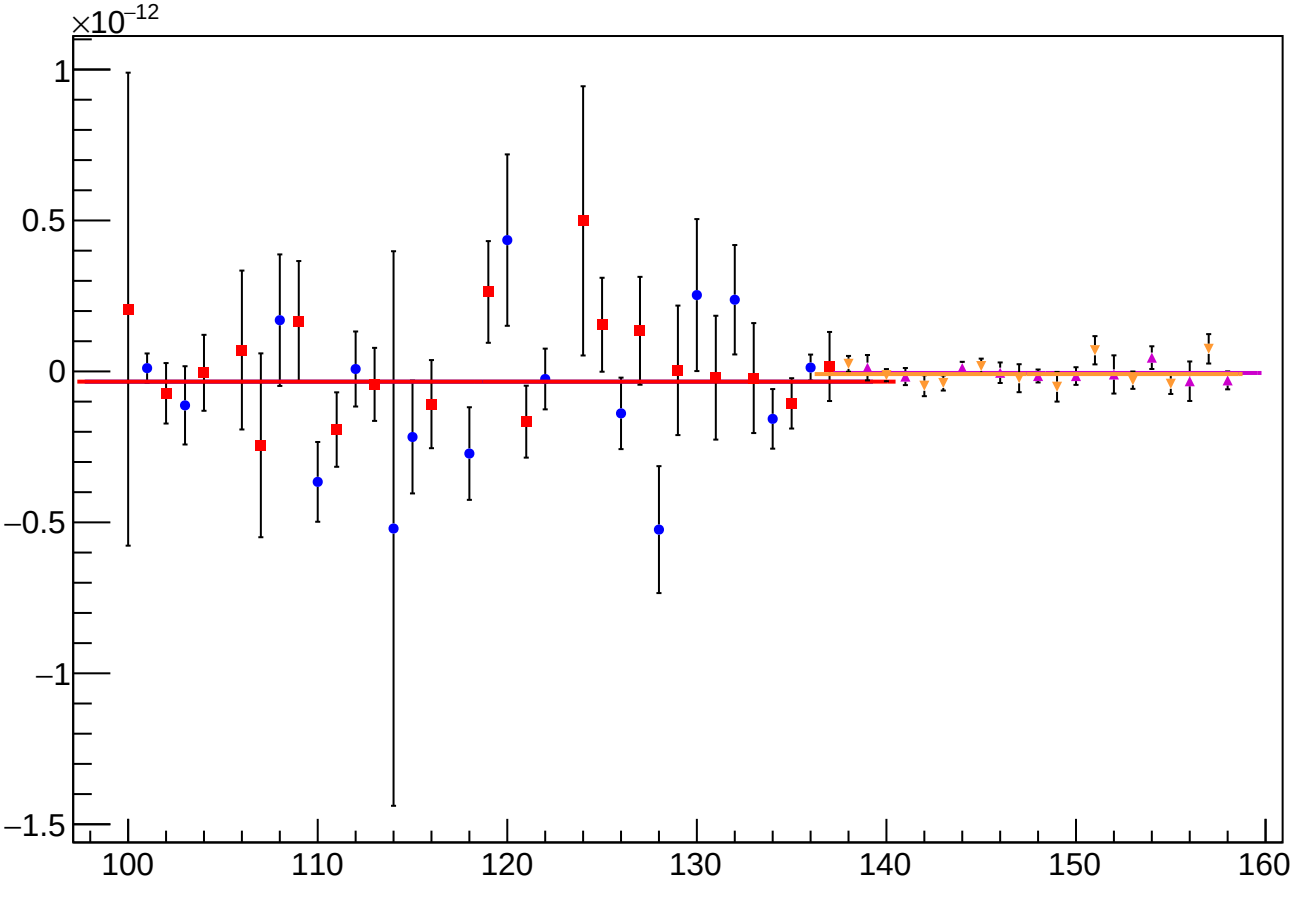
Left: 953.724+/-0.164 χ^2/NDF: 667744.0/20

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1085.315+/-0.200 χ^2/NDF:2091210.5/25

Out: 1091.751+/-0.201 χ^2/NDF:2432564.3/29

All: 1088.517+/-0.141 χ^2/NDF: 4524292.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/9

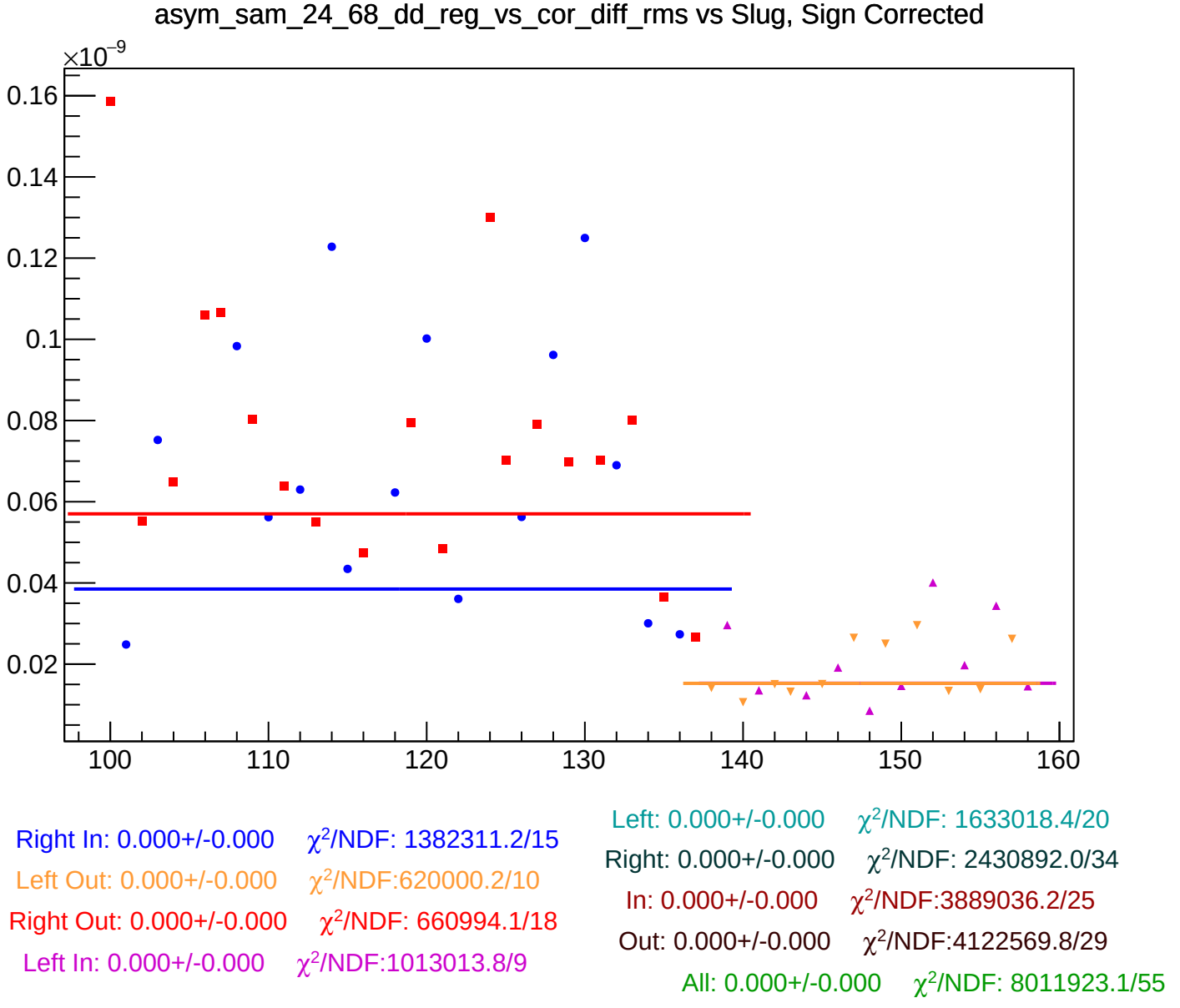
Left: -0.000+/-0.000 χ^2/NDF: 17.5/20

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

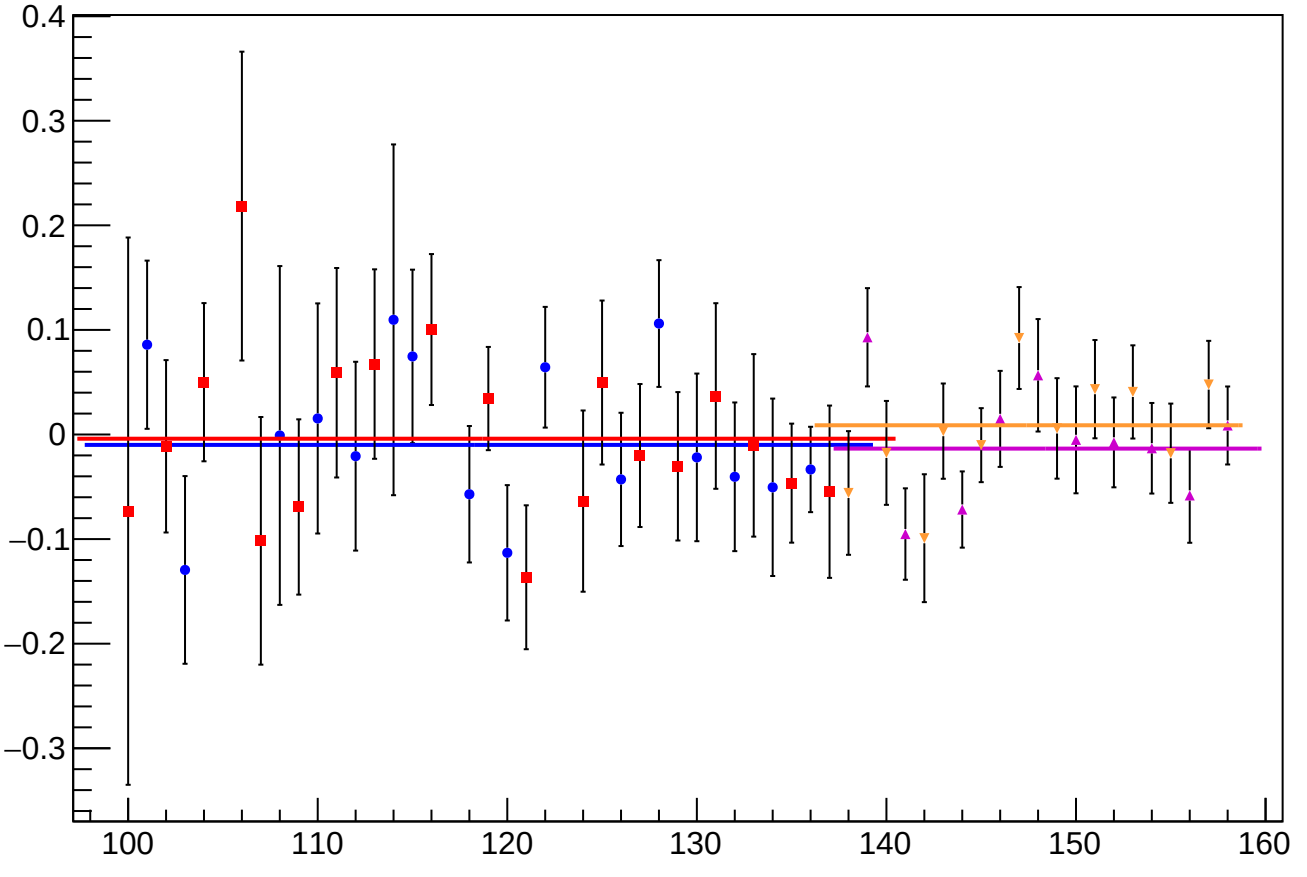
In: -0.000+/-0.000 χ^2/NDF:32.5/25

Out: -0.000+/-0.000 χ^2/NDF:27.0/29

All: -0.000+/-0.000 χ^2/NDF: 59.6/55


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:620000.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1013013.8/9
Left: 0.000+/-0.000 χ²/NDF: 1633018.4/20
Right: 0.000+/-0.000 χ²/NDF: 2430892.0/34
In: 0.000+/-0.000 χ²/NDF:3889036.2/25
Out: 0.000+/-0.000 χ²/NDF:4122569.8/29
All: 0.000+/-0.000 χ²/NDF: 8011923.1/55

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: 0.009+/-0.014 χ^2/NDF:10.1/10

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.014 χ^2/NDF:14.6/9

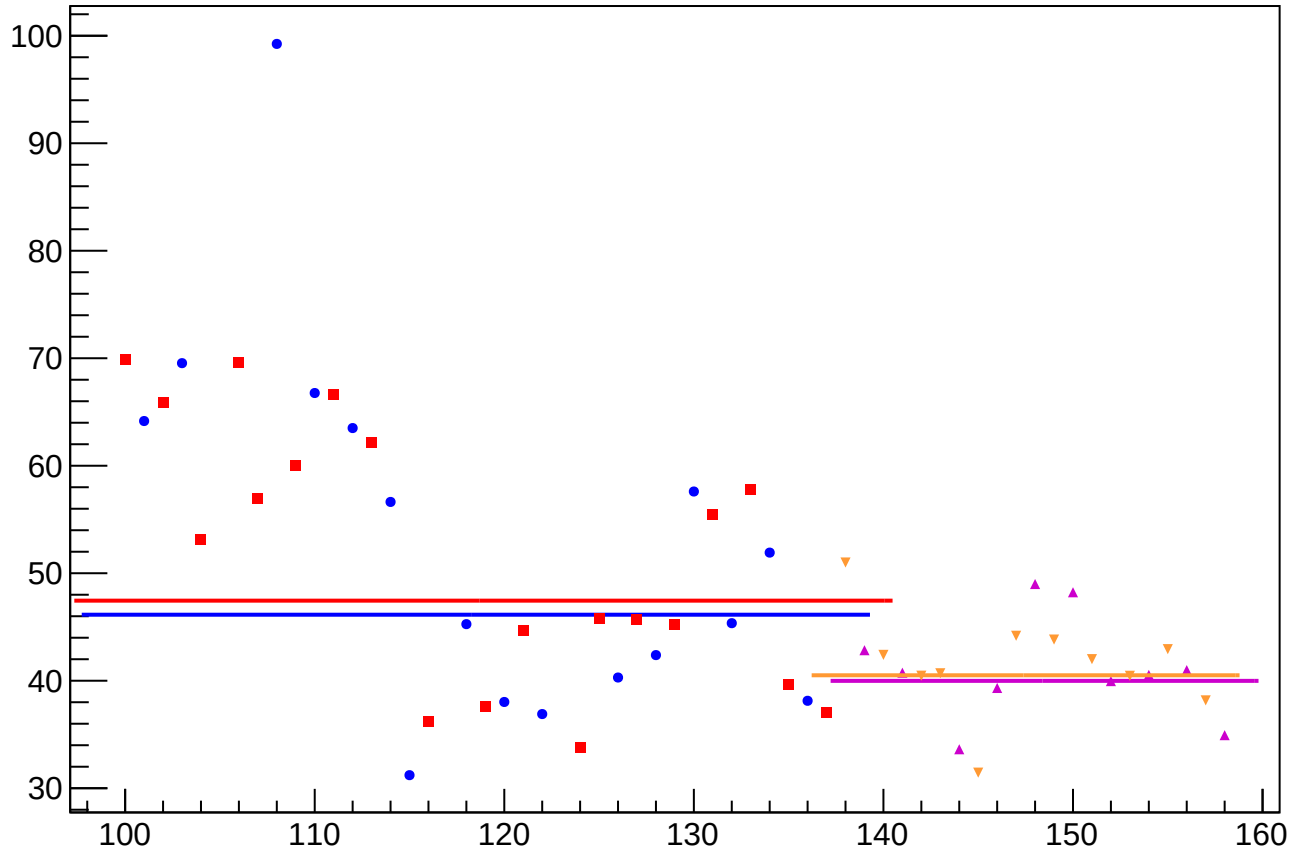
Left: -0.002+/-0.010 χ^2/NDF: 26.0/20

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.011 χ^2/NDF:28.9/25

Out: 0.004+/-0.011 χ^2/NDF:24.3/29

All: -0.004+/-0.008 χ^2/NDF: 54.2/55



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.507+/-0.010 χ^2/NDF:231478.8/10

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.988+/-0.010 χ^2/NDF:215495.8/9

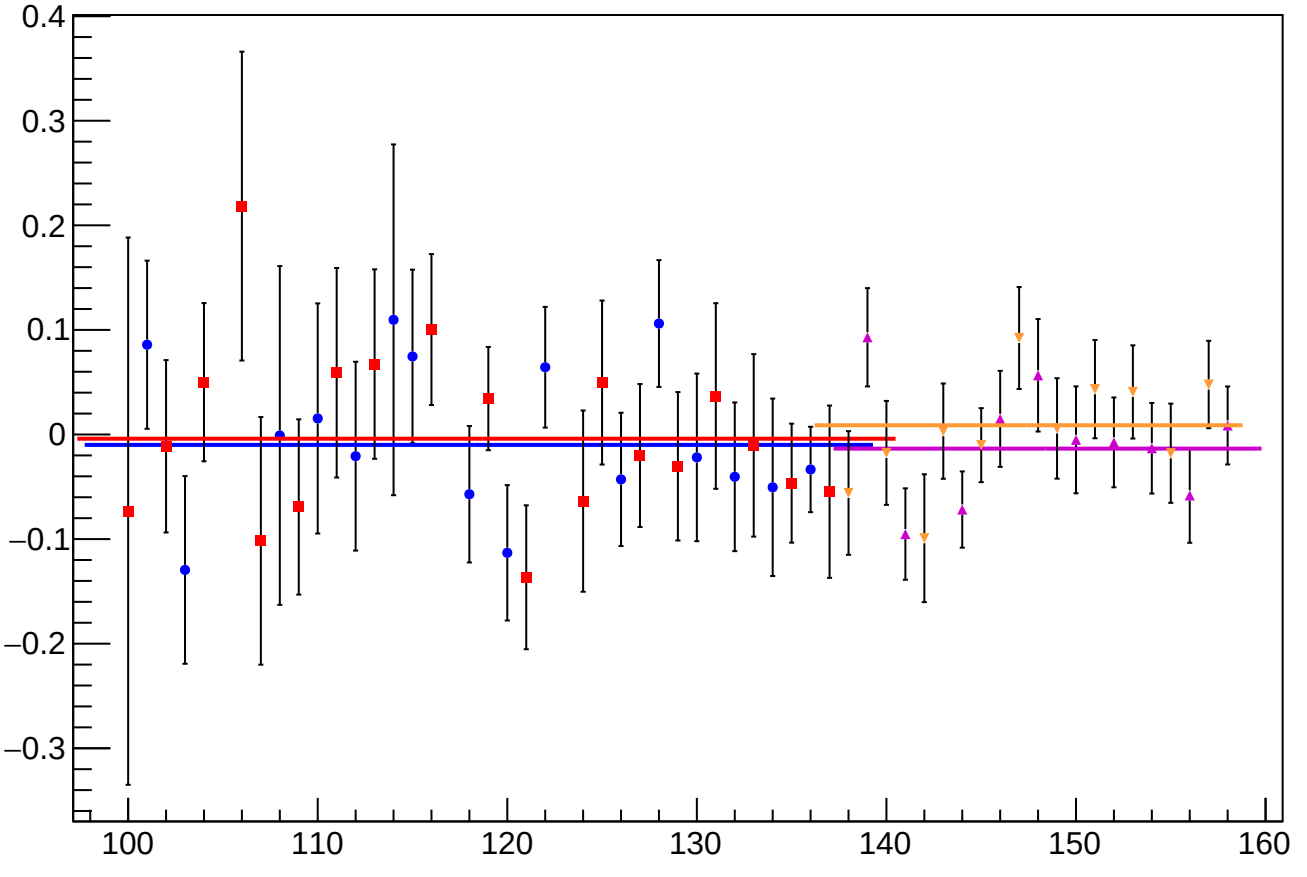
Left: 40.244+/-0.007 χ^2/NDF: 448362.4/20

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.277+/-0.008 χ^2/NDF:1265693.7/25

Out: 43.118+/-0.008 χ^2/NDF:1069908.4/29

All: 42.693+/-0.006 χ^2/NDF: 2341412.3/55



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.014 χ^2/NDF:14.6/9

Left: -0.002+/-0.010 χ^2/NDF: 26.0/20

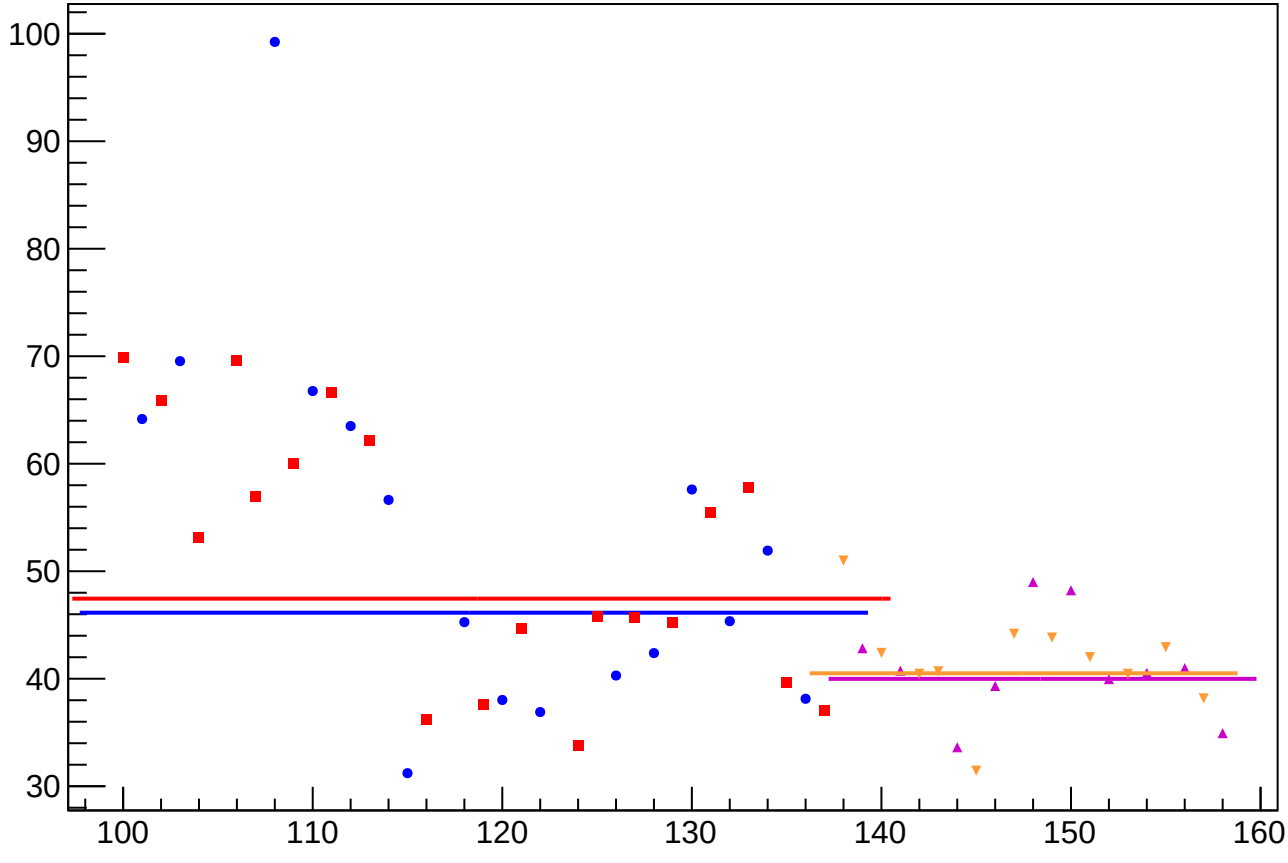
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.011 χ^2/NDF:28.9/25

Out: 0.004+/-0.011 χ^2/NDF:24.3/29

All: -0.004+/-0.008 χ^2/NDF: 54.2/55

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.507+/-0.010 χ^2/NDF:231478.8/10

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.988+/-0.010 χ^2/NDF:215495.8/9

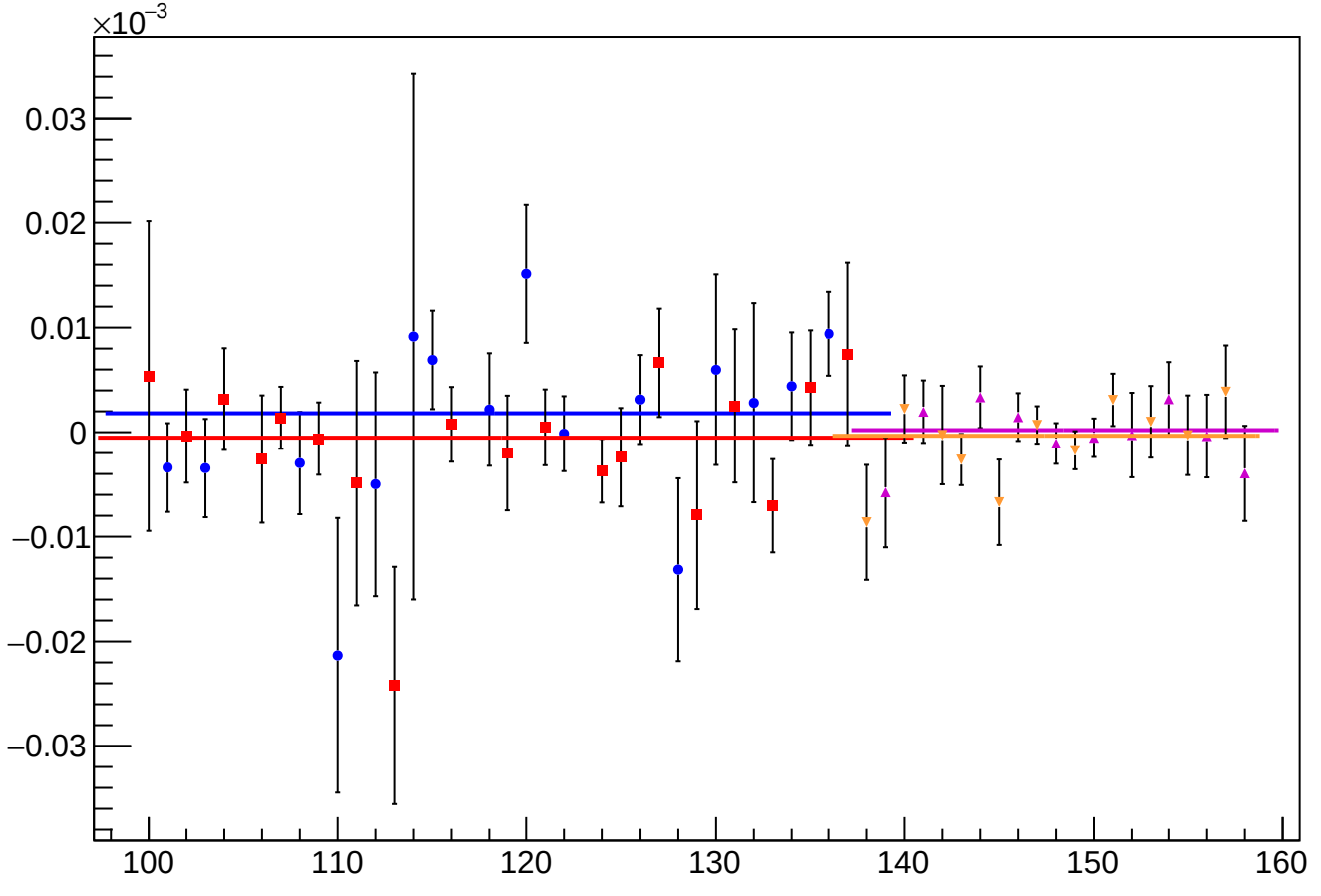
Left: 40.244+/-0.007 χ^2/NDF: 448362.4/20

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.277+/-0.008 χ^2/NDF:1265693.7/25

Out: 43.118+/-0.008 χ^2/NDF:1069908.4/29

All: 42.693+/-0.006 χ^2/NDF: 2341412.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/9

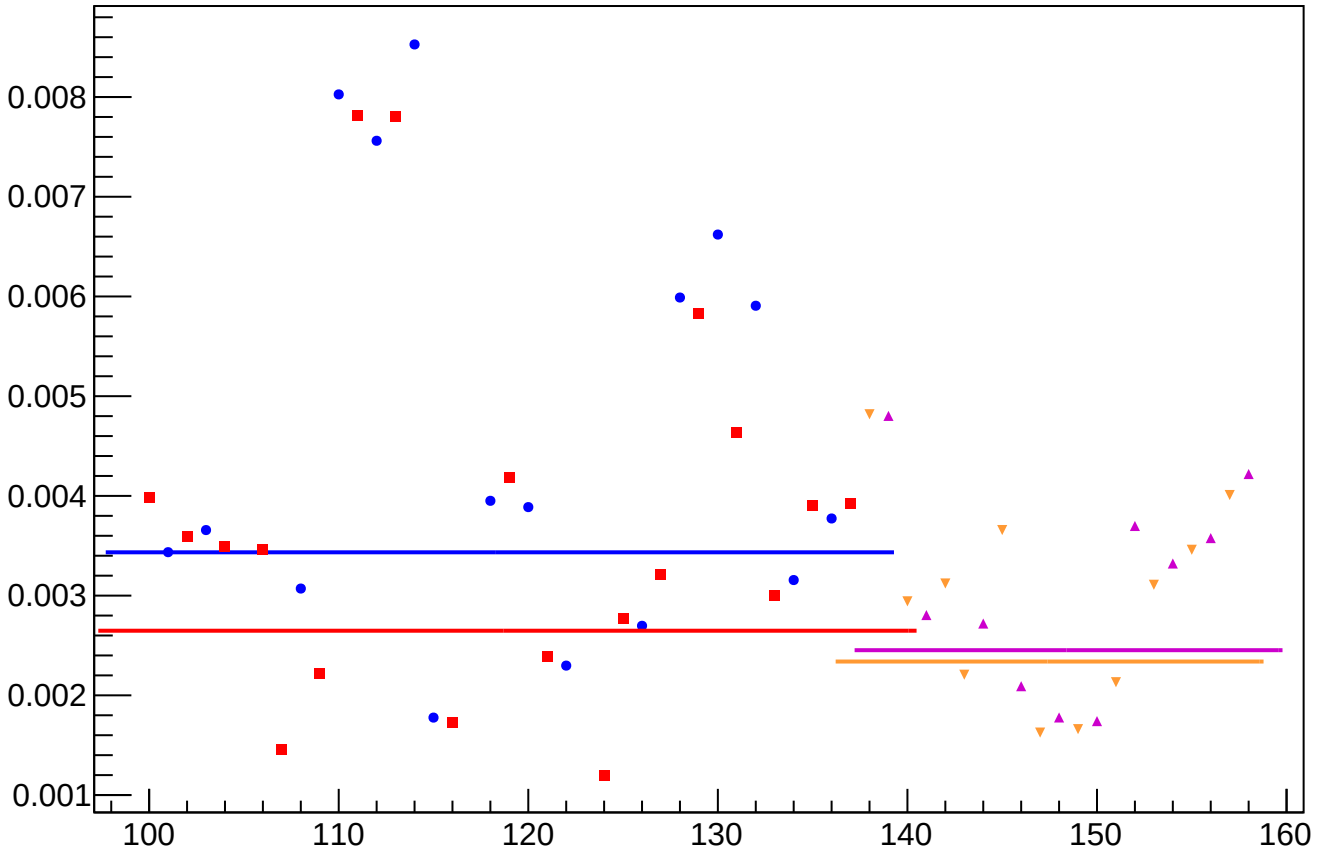
Left: -0.000+/-0.000 χ^2/NDF: 15.5/20

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:26.2/25

Out: -0.000+/-0.000 χ^2/NDF:23.9/29

All: 0.000+/-0.000 χ^2/NDF: 51.2/55



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1915685.4/10

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1805714.0/9

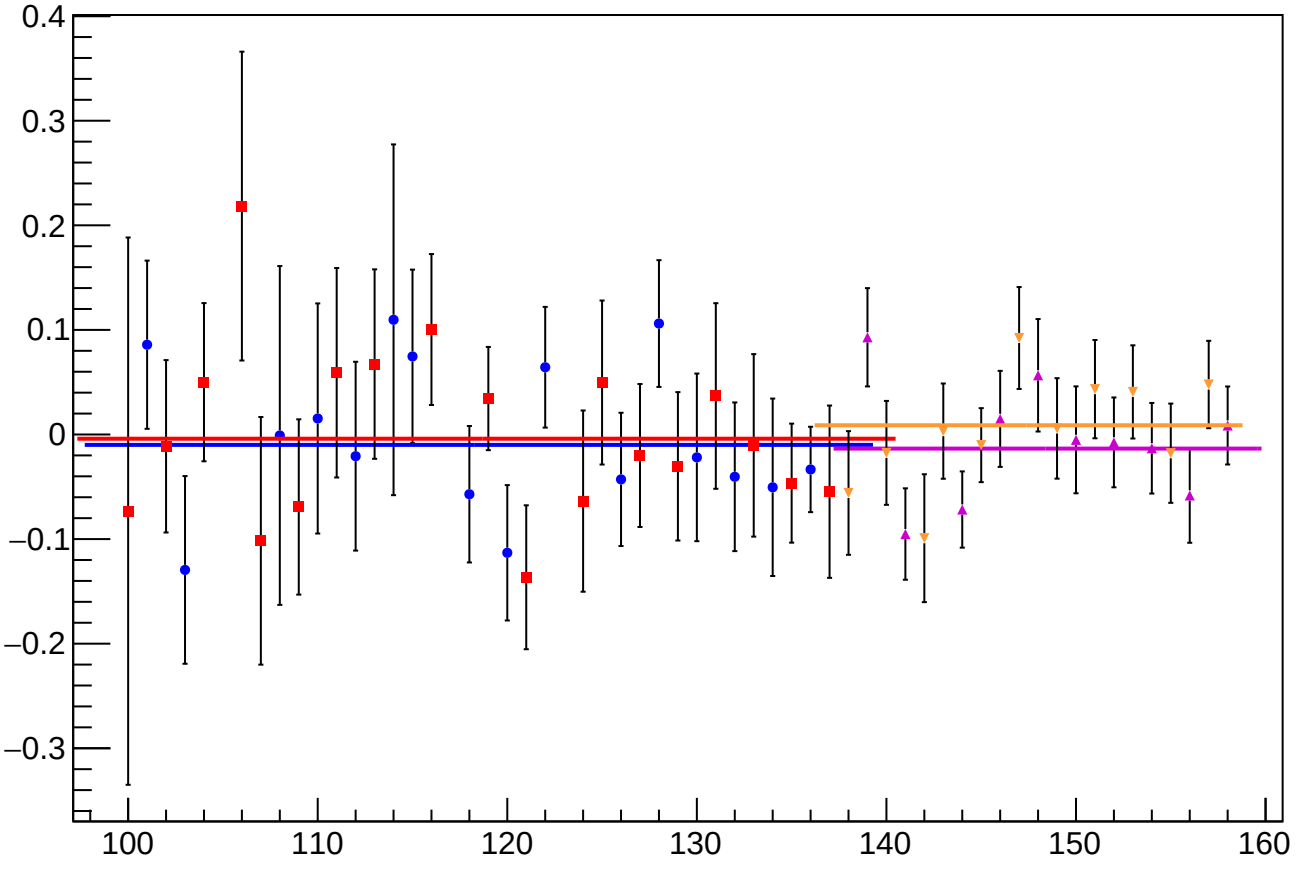
Left: 0.002+/-0.000 χ^2/NDF: 3738494.1/20

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4275290.9/25

Out: 0.002+/-0.000 χ^2/NDF:4712446.0/29

All: 0.003+/-0.000 χ^2/NDF: 9151055.0/55



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.014 χ^2/NDF:14.6/9

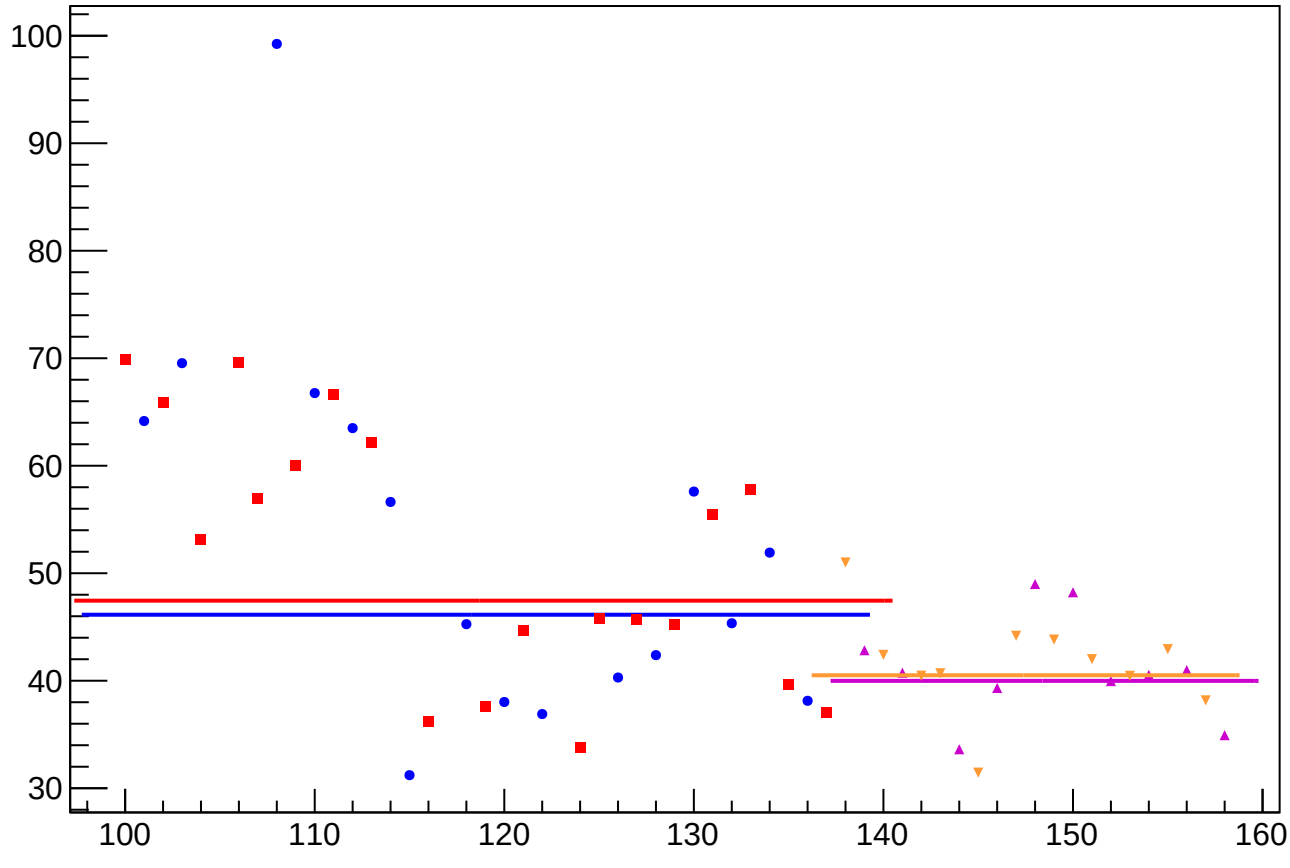
Left: -0.002+/-0.010 χ^2/NDF: 26.0/20

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.011 χ^2/NDF:28.9/25

Out: 0.004+/-0.011 χ^2/NDF:24.3/29

All: -0.004+/-0.008 χ^2/NDF: 54.2/55



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.508+/-0.010 χ^2/NDF:231474.9/10

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.988+/-0.010 χ^2/NDF:215518.6/9

Left: 40.244+/-0.007 χ^2/NDF: 448383.8/20

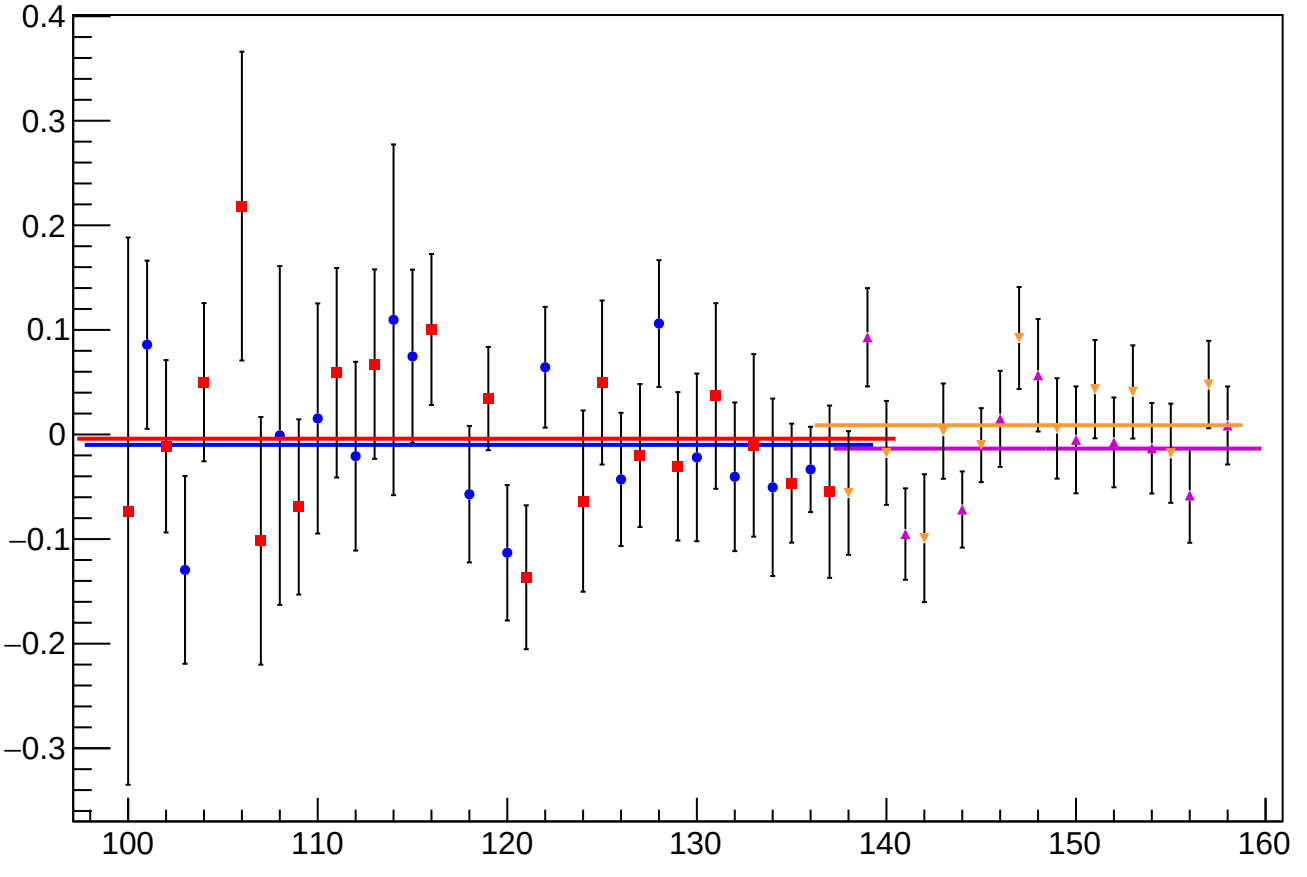
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.276+/-0.008 χ^2/NDF:1265621.0/25

Out: 43.118+/-0.008 χ^2/NDF:1069816.9/29

All: 42.692+/-0.006 χ^2/NDF: 2341254.3/55

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.014 χ^2/NDF:14.6/9

Left: -0.002+/-0.010 χ^2/NDF: 26.0/20

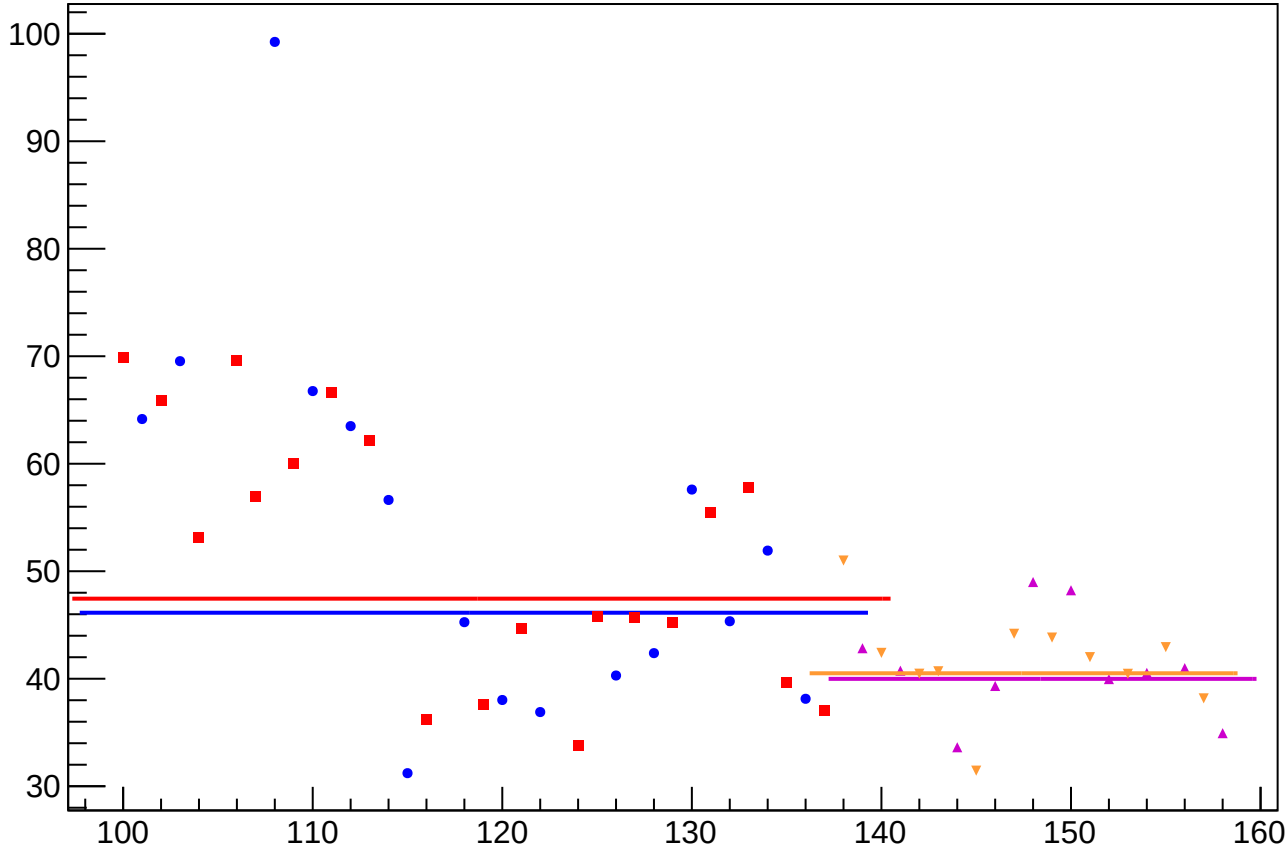
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.011 χ^2/NDF:28.9/25

Out: 0.004+/-0.011 χ^2/NDF:24.3/29

All: -0.004+/-0.008 χ^2/NDF: 54.2/55

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: 40.508+/-0.010 χ^2/NDF:231474.9/10

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.988+/-0.010 χ^2/NDF:215518.6/9

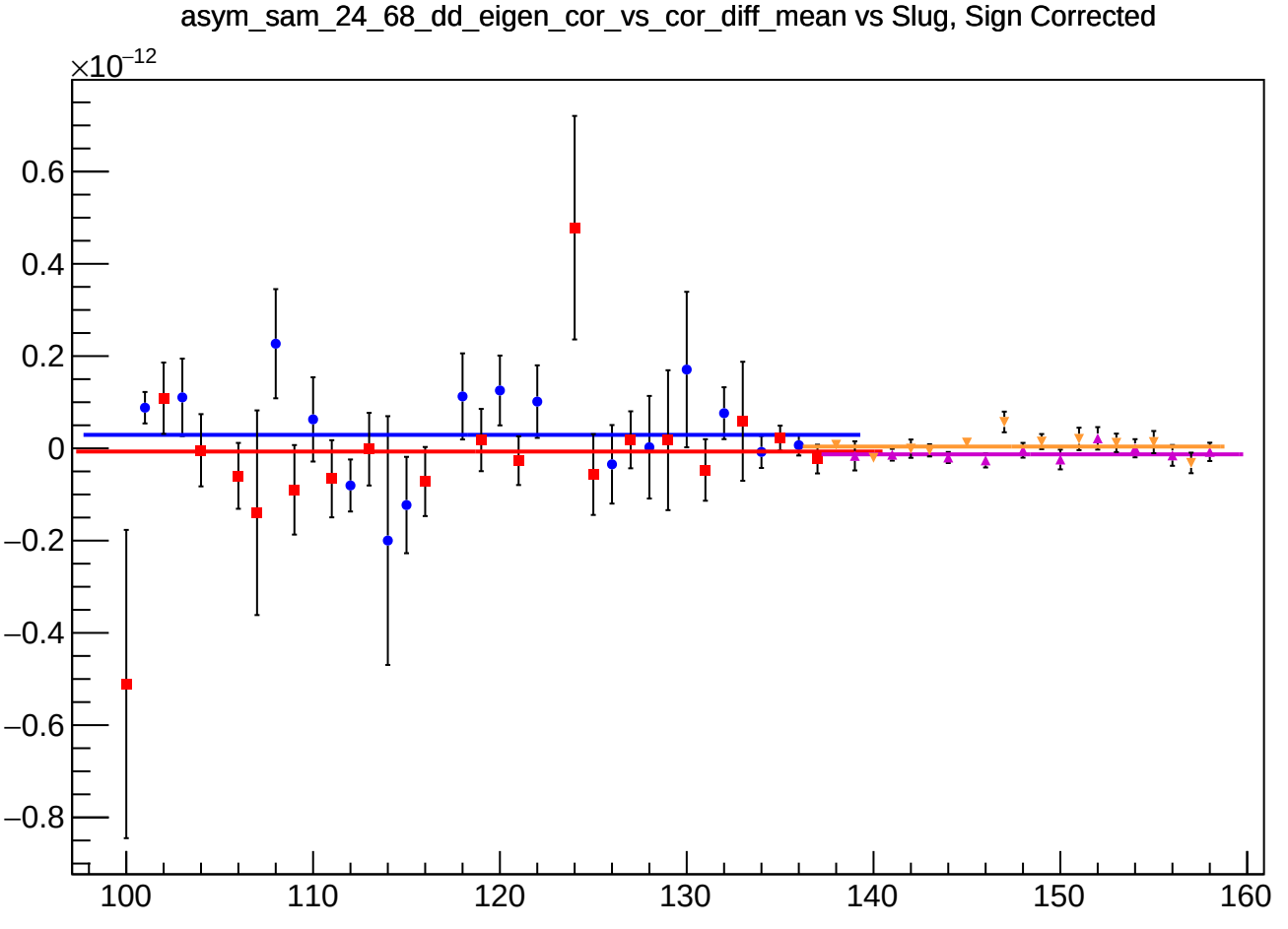
Left: 40.244+/-0.007 χ^2/NDF: 448383.8/20

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.276+/-0.008 χ^2/NDF:1265621.0/25

Out: 43.118+/-0.008 χ^2/NDF:1069816.9/29

All: 42.692+/-0.006 χ^2/NDF: 2341254.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/9

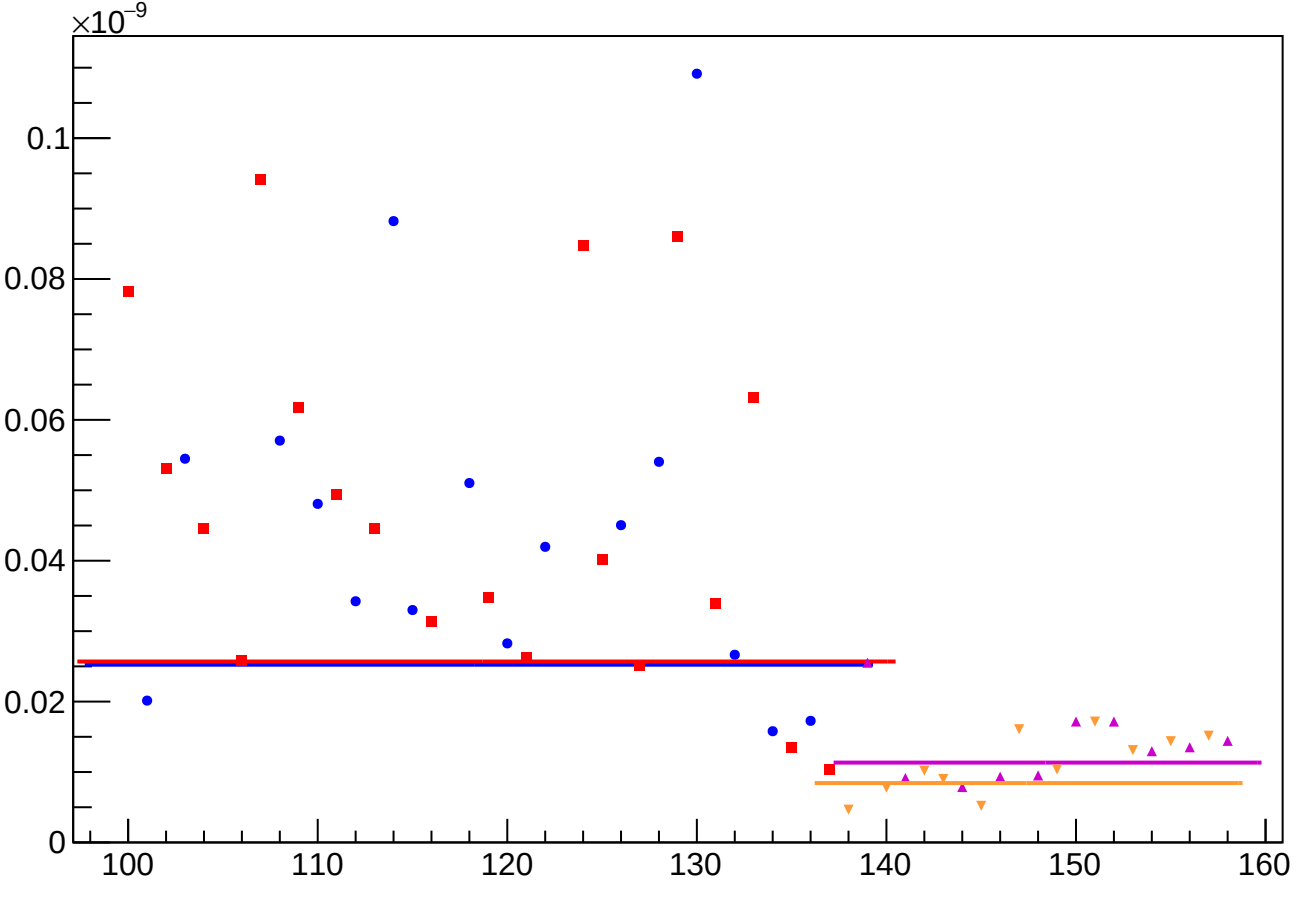
Left: -0.000+/-0.000 χ^2/NDF: 26.0/20

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:33.5/25

Out: 0.000+/-0.000 χ^2/NDF:30.8/29

All: -0.000+/-0.000 χ^2/NDF: 66.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1488119.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1034321.3/9

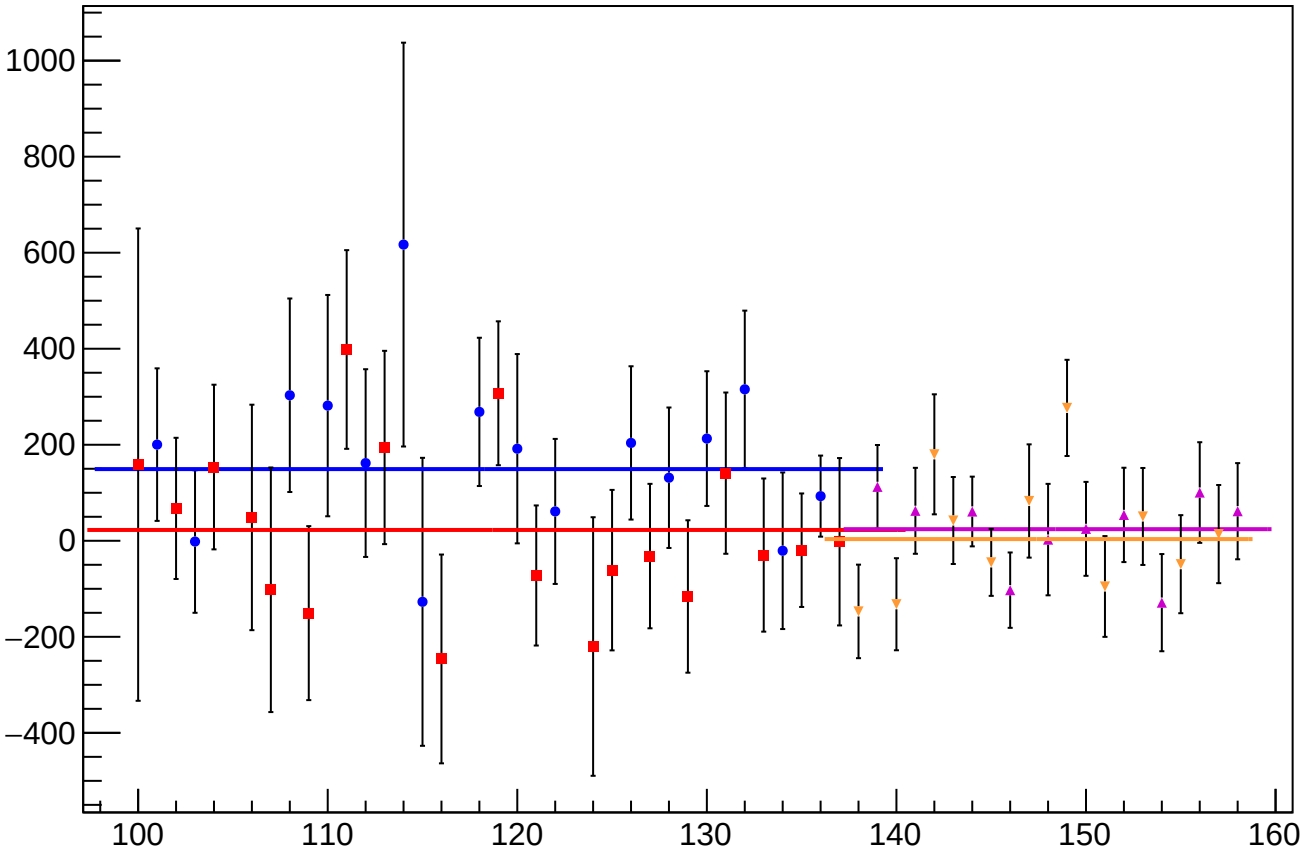
Left: 0.000+/-0.000 χ^2/NDF: 2864986.2/20

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4967922.2/25

Out: 0.000+/-0.000 χ^2/NDF:6927858.8/29

All: 0.000+/-0.000 χ^2/NDF: 12430441.1/55



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 3.540+/-29.392 χ^2/NDF:16.3/10

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 24.205+/-29.120 χ^2/NDF:7.2/9

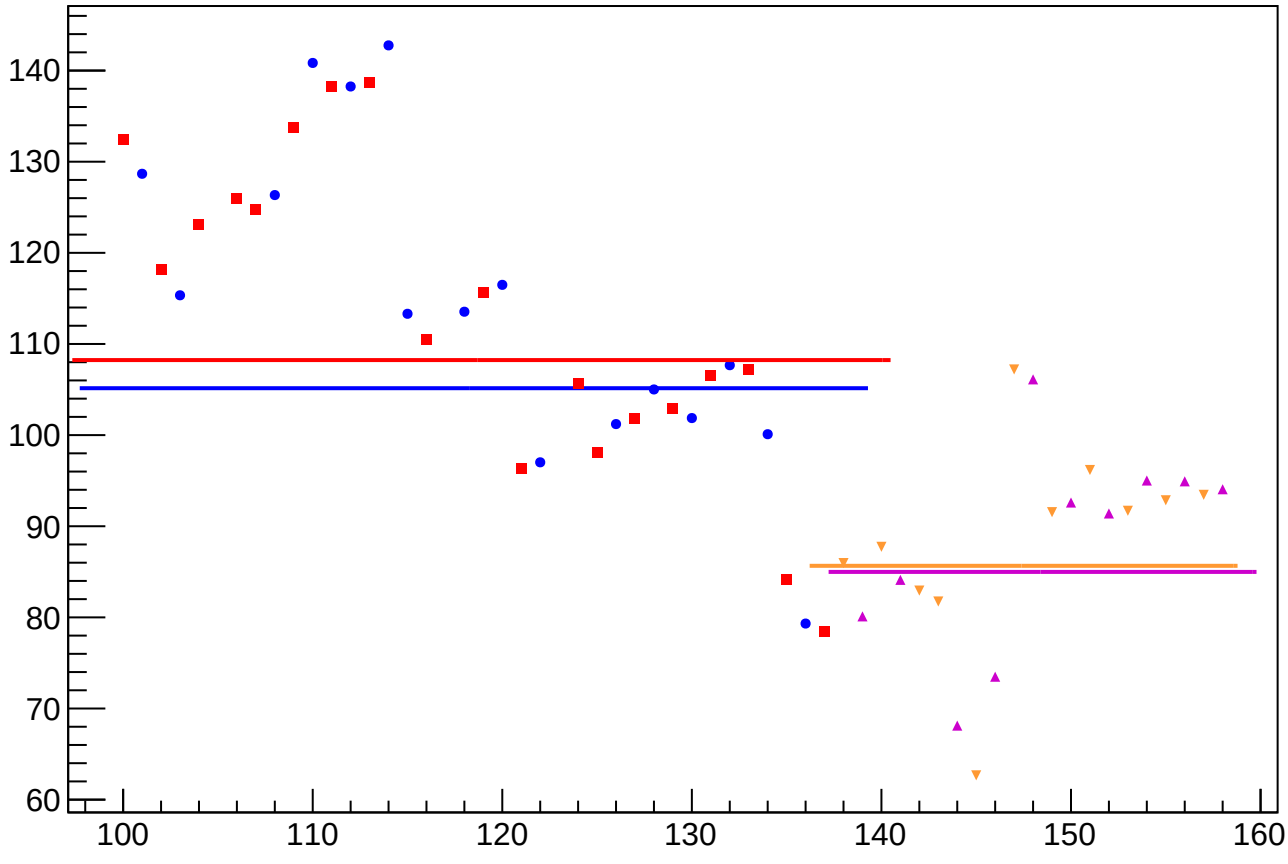
Left: 13.969+/-20.687 χ^2/NDF: 23.7/20

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 67.985+/-23.478 χ^2/NDF:21.6/25

Out: 10.183+/-23.706 χ^2/NDF:30.7/29

All: 39.364+/-16.682 χ^2/NDF: 55.3/55



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.658+/-0.021 χ^2/NDF:345285.7/10

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.7/9

Left: 85.321+/-0.015 χ^2/NDF: 644057.0/20

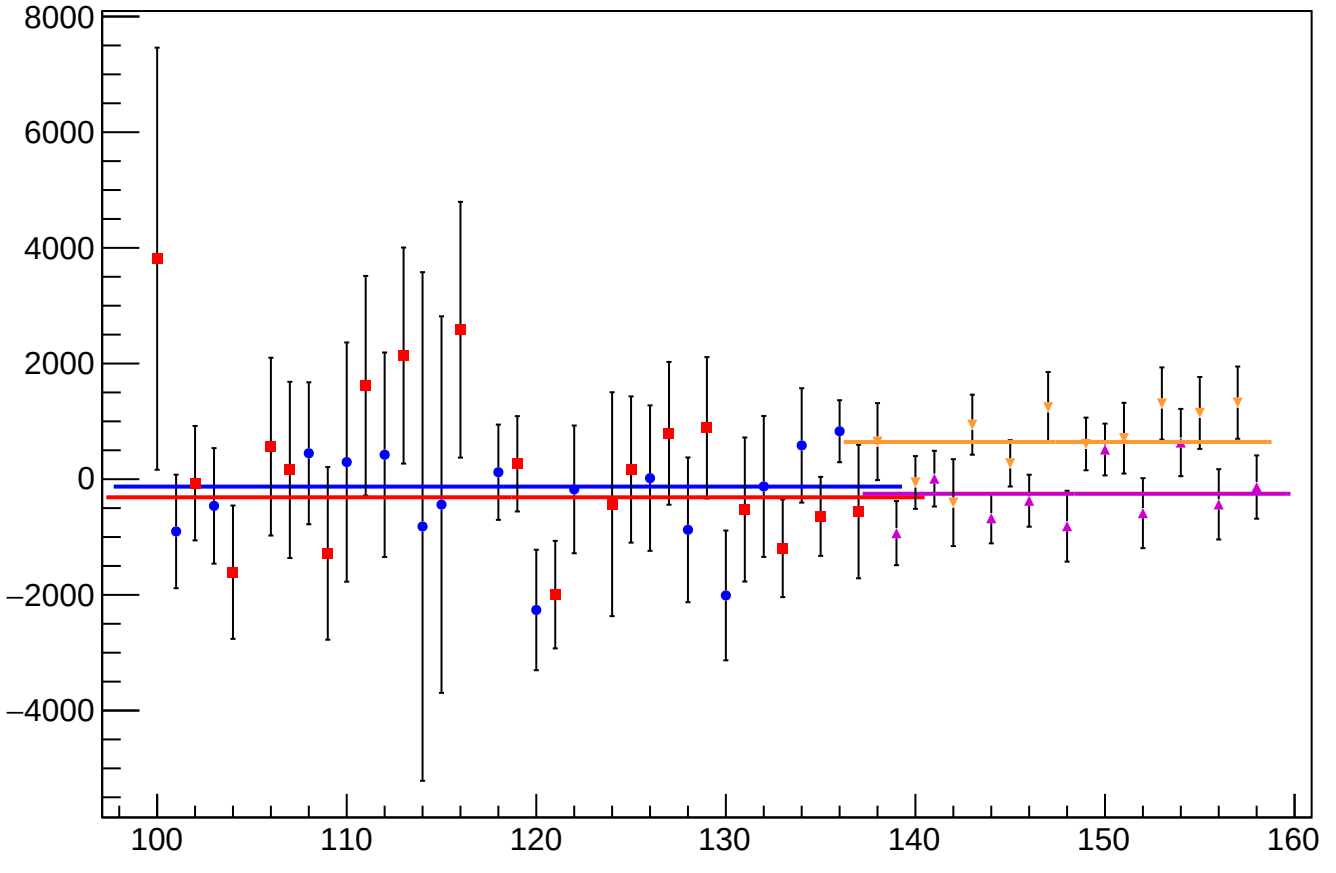
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 92.043+/-0.017 χ^2/NDF:1042033.3/25

Out: 93.548+/-0.017 χ^2/NDF:1107533.7/29

All: 92.788+/-0.012 χ^2/NDF: 2153633.6/55

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: 642.576+/-165.083 χ^2/NDF:9.4/10

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -251.727+/-163.980 χ^2/NDF:9.3/9

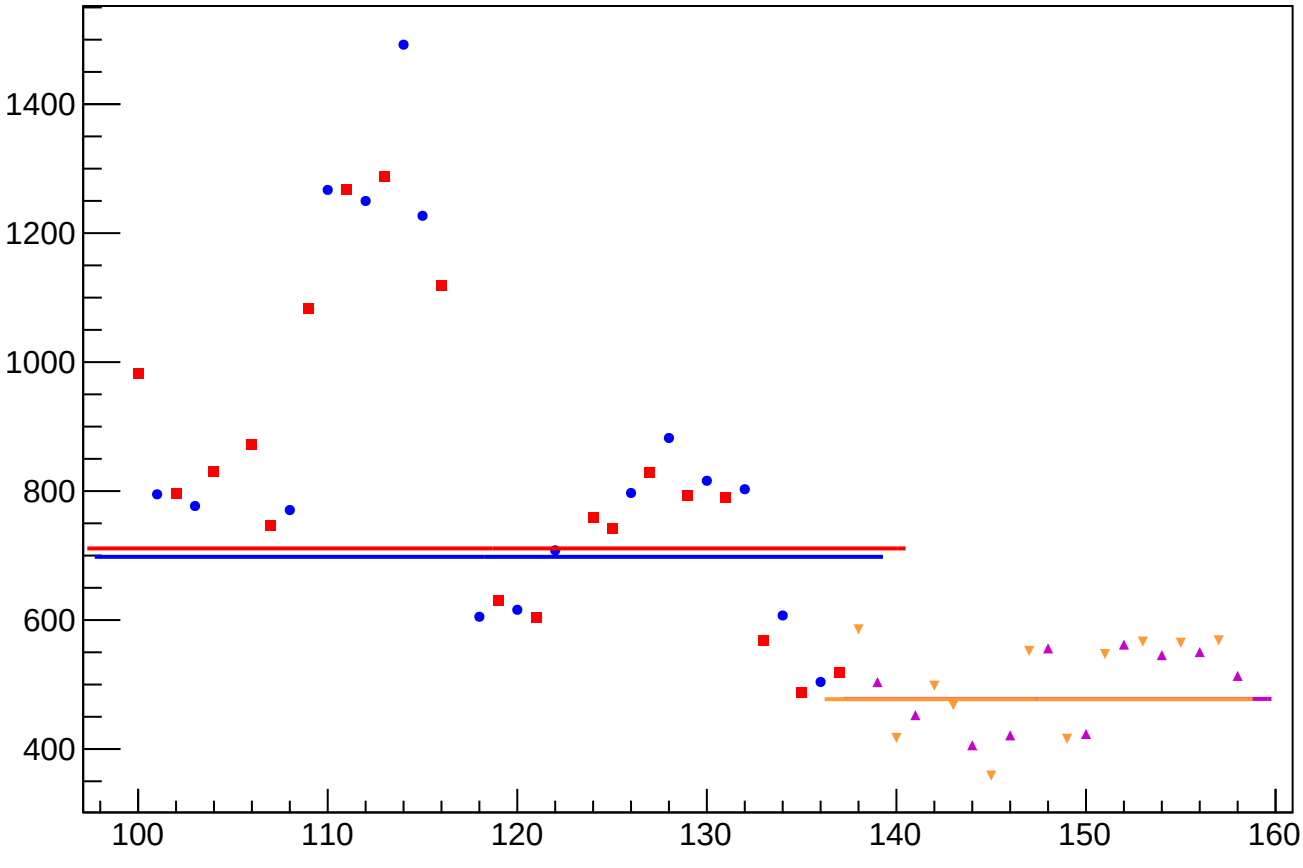
Left: 192.428+/-116.339 χ^2/NDF: 33.6/20

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -218.151+/-139.961 χ^2/NDF:21.8/25

Out: 382.730+/-140.862 χ^2/NDF:33.6/29

All: 80.363+/-99.284 χ^2/NDF: 64.5/55



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 477.284+/-0.117 χ^2/NDF:481115.5/10

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 477.741+/-0.116 χ^2/NDF:261355.2/9

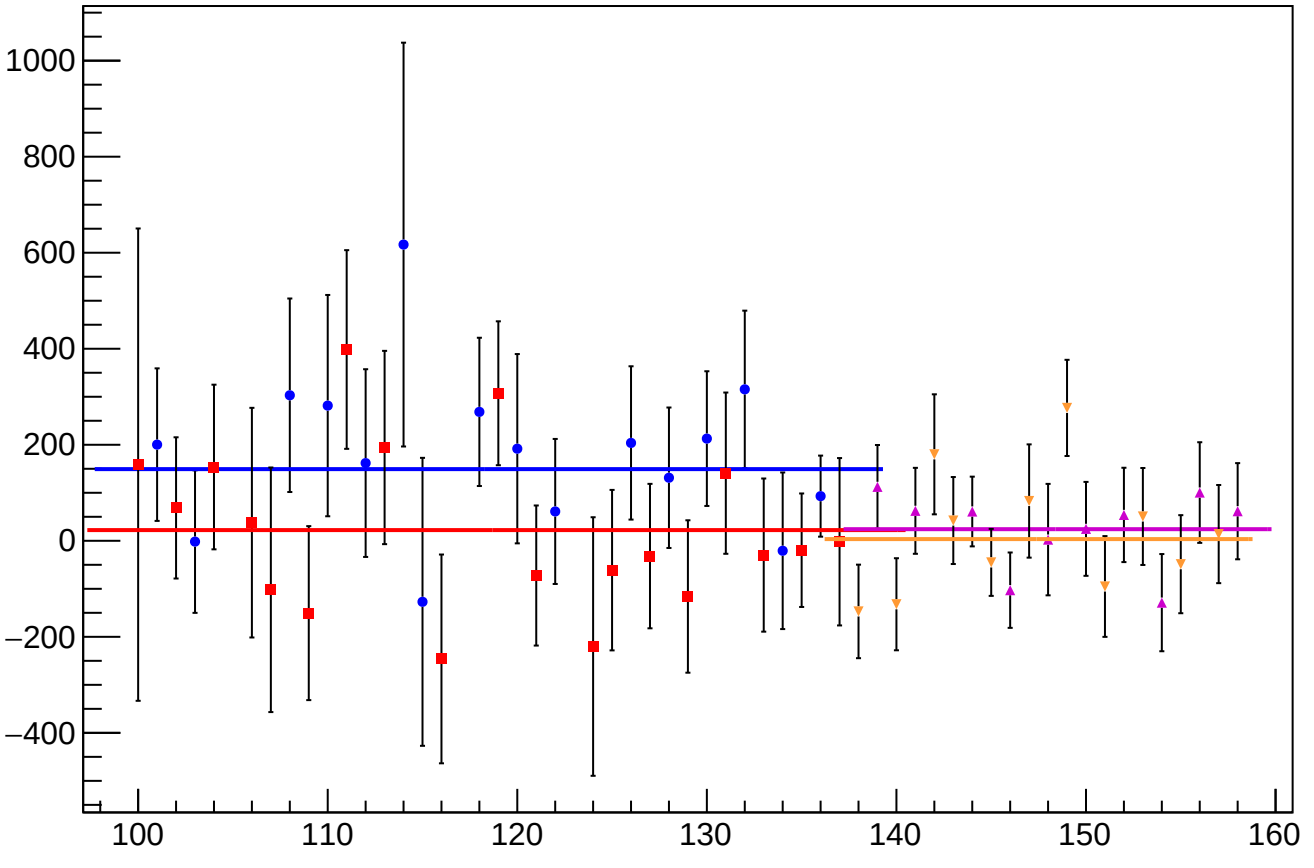
Left: 477.514+/-0.082 χ^2/NDF: 742478.4/20

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 537.555+/-0.099 χ^2/NDF:2154366.7/25

Out: 540.859+/-0.100 χ^2/NDF:2607082.9/29

All: 539.197+/-0.070 χ^2/NDF: 4762003.3/55



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 3.540+/-29.392 χ^2/NDF:16.3/10

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 24.205+/-29.120 χ^2/NDF:7.2/9

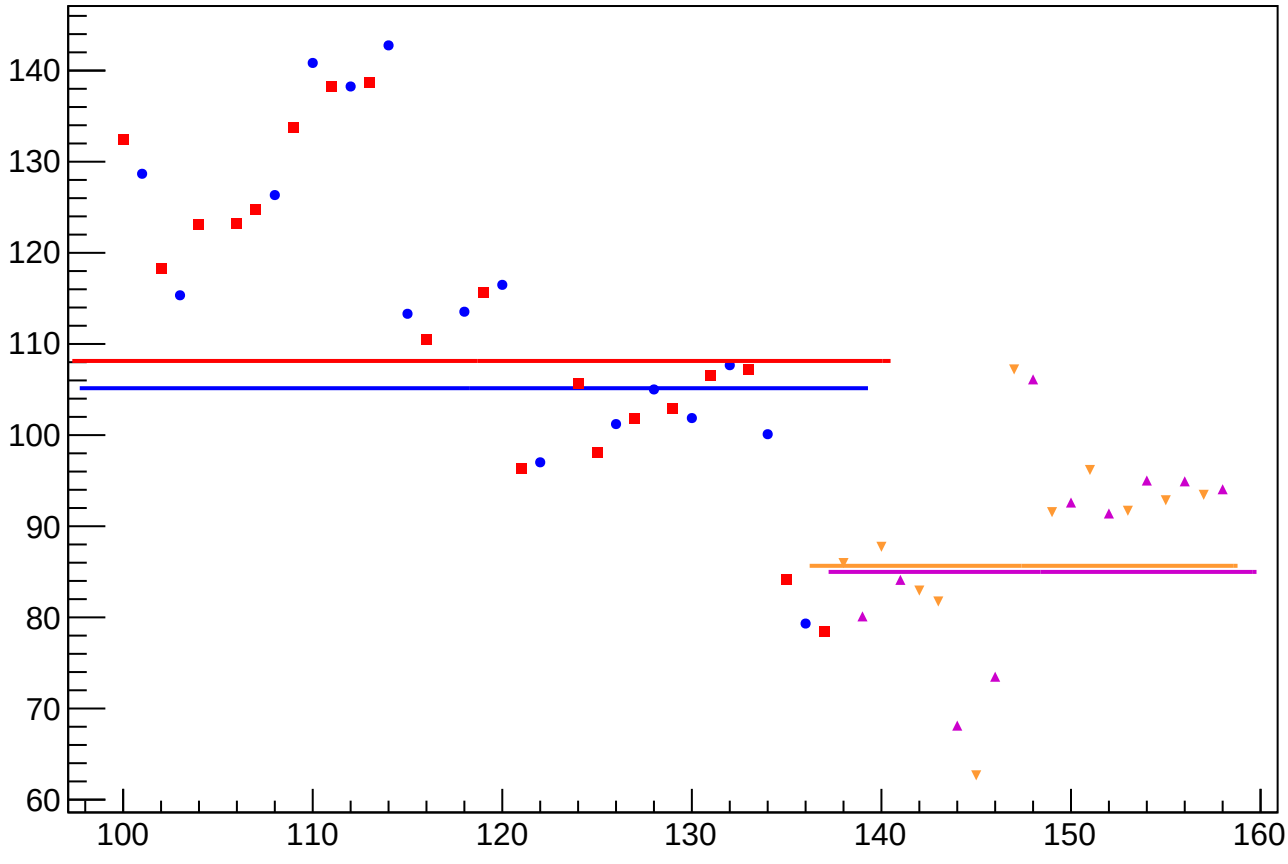
Left: 13.969+/-20.687 χ^2/NDF: 23.7/20

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 67.982+/-23.478 χ^2/NDF:21.6/25

Out: 10.090+/-23.711 χ^2/NDF:30.7/29

All: 39.322+/-16.683 χ^2/NDF: 55.3/55



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.658+/-0.021 χ^2/NDF:345285.7/10

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.8/9

Left: 85.321+/-0.015 χ^2/NDF: 644057.0/20

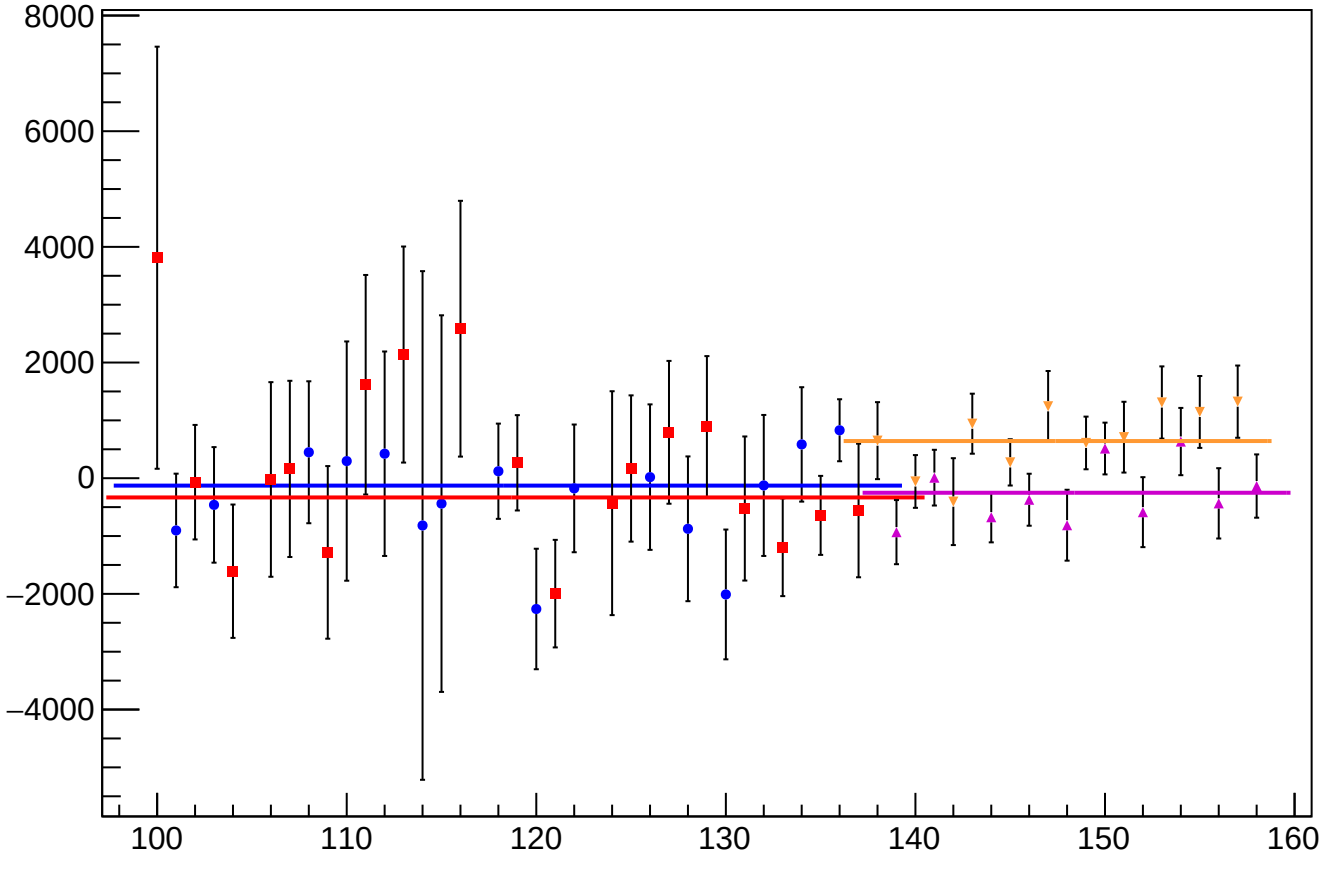
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.043+/-0.017 χ^2/NDF:1042033.6/25

Out: 93.508+/-0.017 χ^2/NDF:1100113.2/29

All: 92.769+/-0.012 χ^2/NDF: 2146002.9/55

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: 642.578+/-165.083 χ^2/NDF:9.4/10

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -251.725+/-163.980 χ^2/NDF:9.3/9

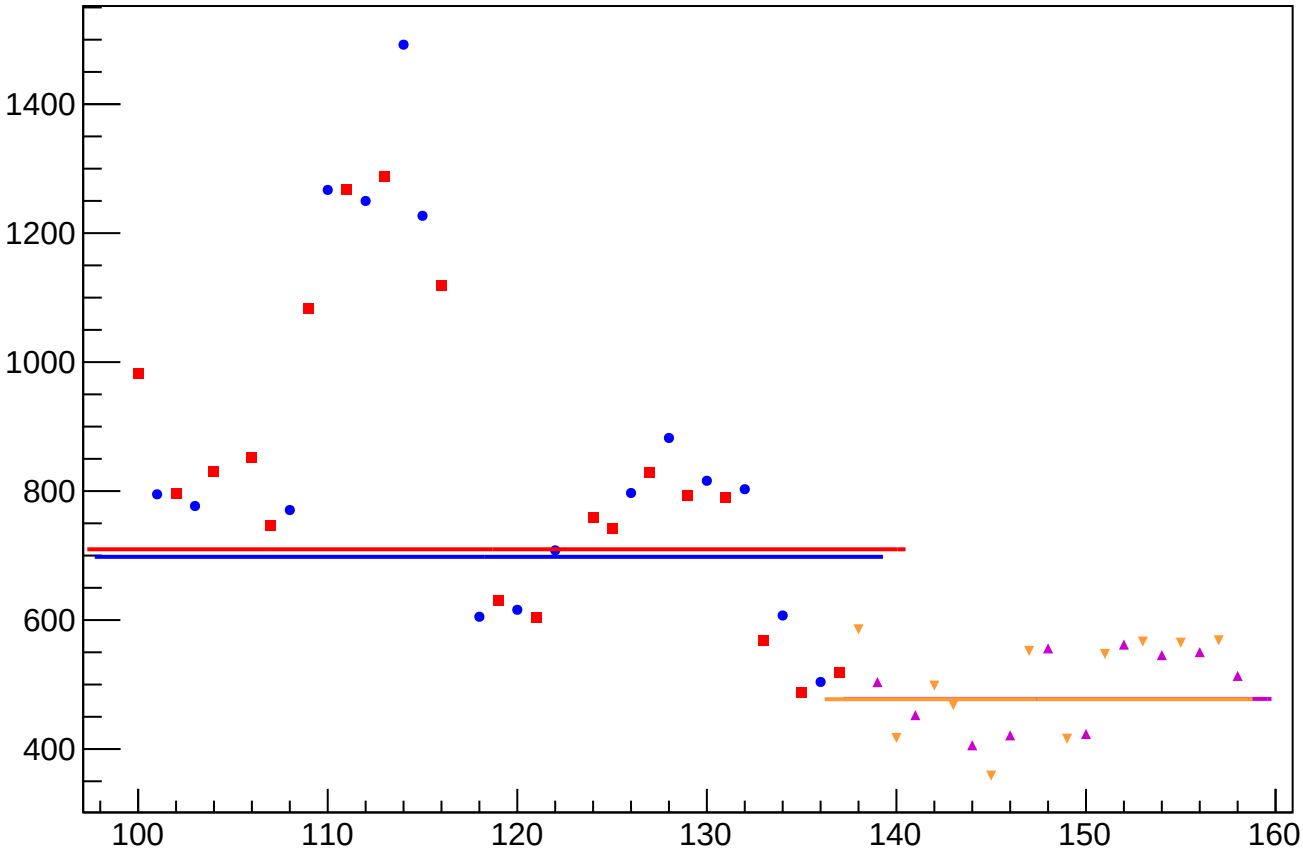
Left: 192.430+/-116.339 χ^2/NDF: 33.6/20

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -218.147+/-139.961 χ^2/NDF:21.8/25

Out: 378.398+/-140.961 χ^2/NDF:33.6/29

All: 78.002+/-99.319 χ^2/NDF: 64.4/55



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 477.284+/-0.117 χ^2/NDF:481117.0/10

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 477.741+/-0.116 χ^2/NDF:261353.2/9

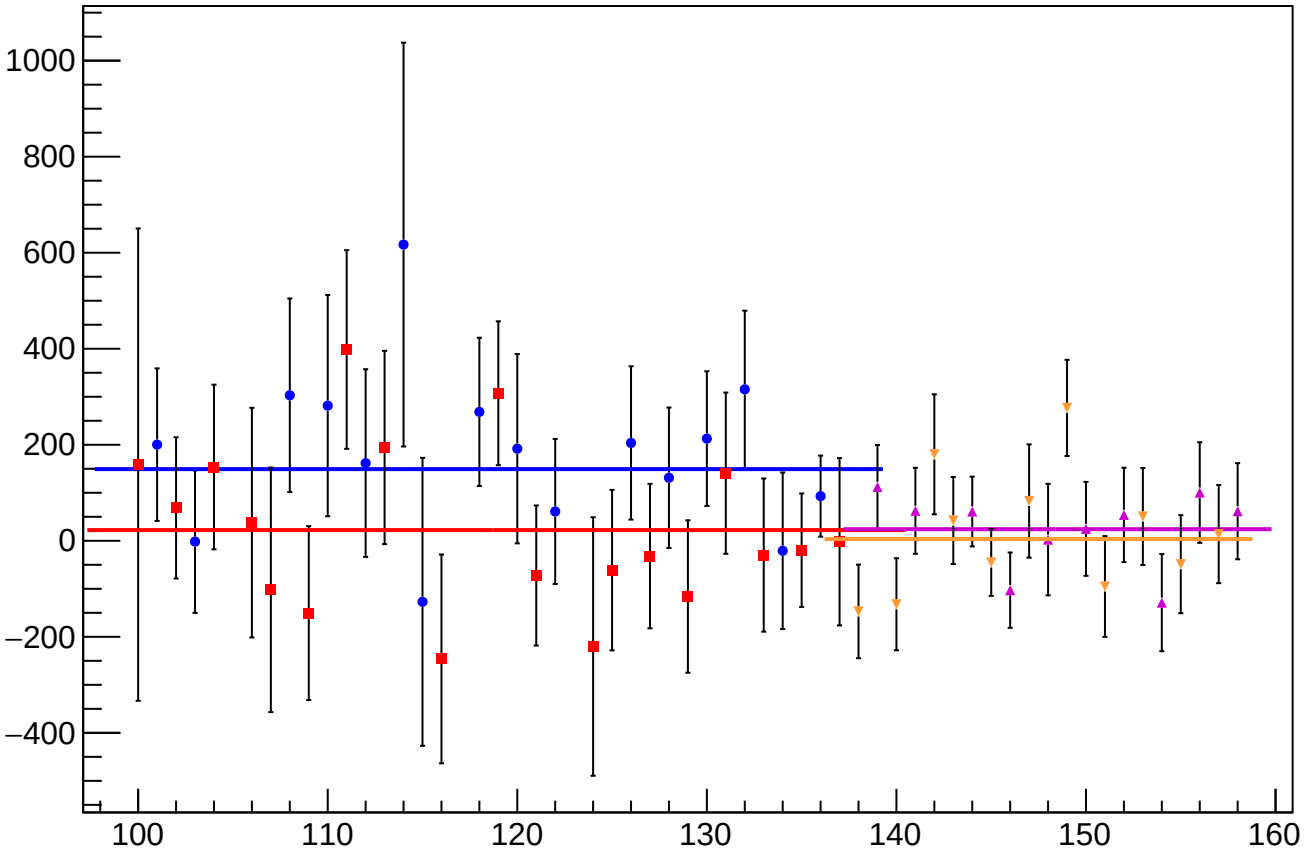
Left: 477.514+/-0.082 χ^2/NDF: 742478.0/20

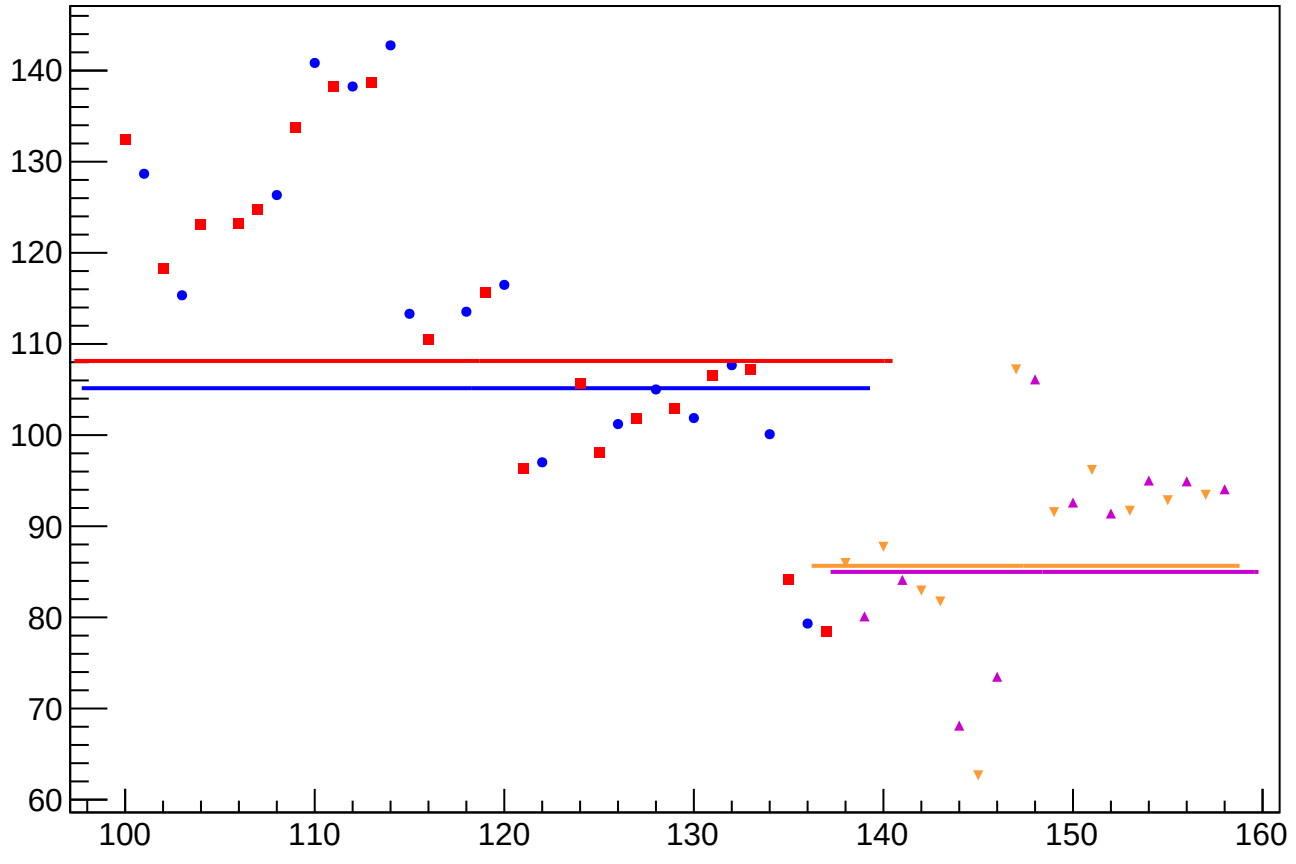
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.555+/-0.099 χ^2/NDF:2154376.9/25

Out: 540.256+/-0.100 χ^2/NDF:2582532.3/29

All: 538.896+/-0.070 χ^2/NDF: 4737278.8/55


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: 3.540+/-29.392 χ²/NDF:16.3/10
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 24.205+/-29.120 χ²/NDF:7.2/9
Left: 13.969+/-20.687 χ²/NDF: 23.7/20
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 67.982+/-23.478 χ²/NDF:21.6/25
Out: 10.090+/-23.711 χ²/NDF:30.7/29
All: 39.322+/-16.683 χ²/NDF: 55.3/55



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.658+/-0.021 χ^2/NDF:345285.7/10

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.8/9

Left: 85.321+/-0.015 χ^2/NDF: 644057.0/20

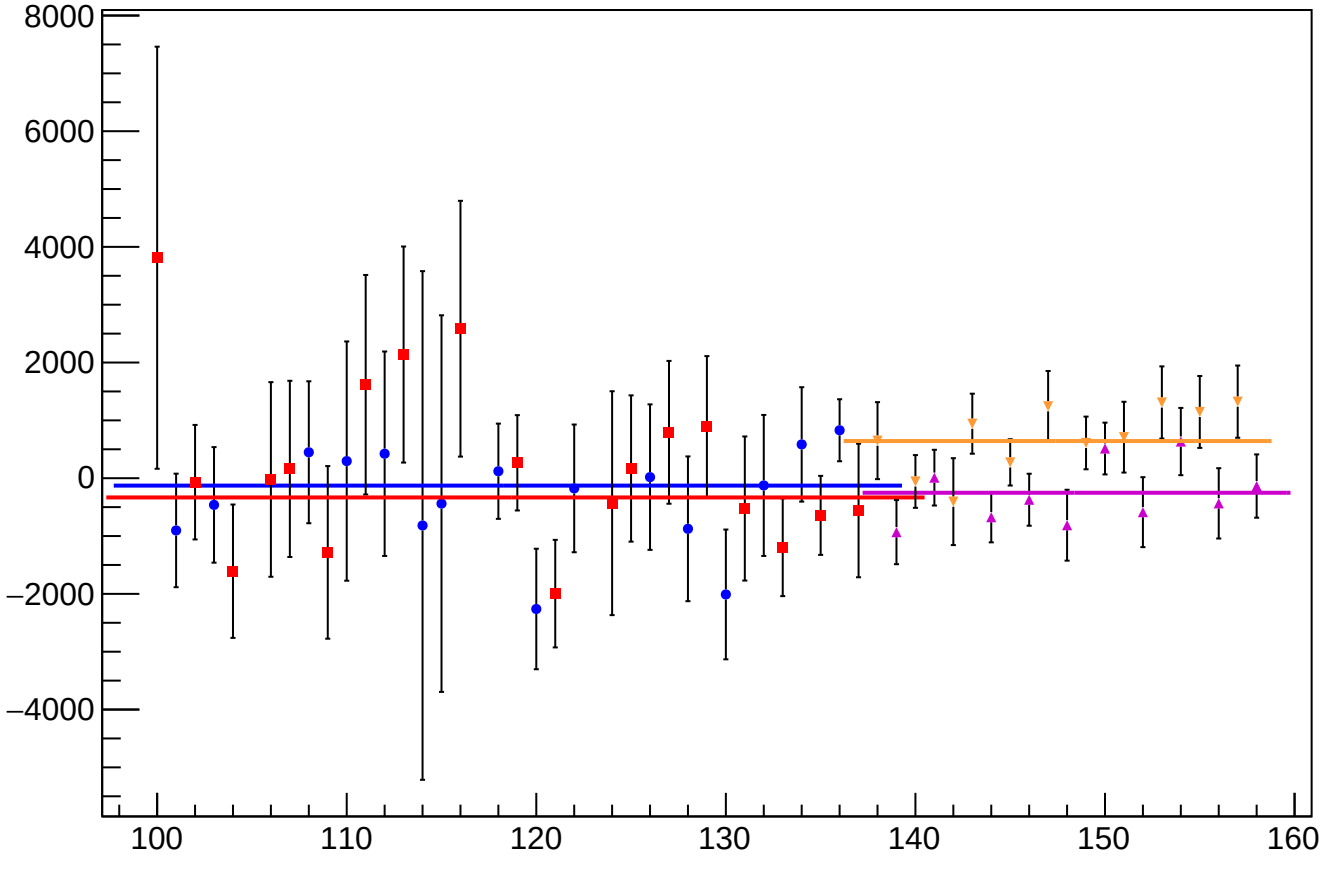
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.043+/-0.017 χ^2/NDF:1042033.6/25

Out: 93.508+/-0.017 χ^2/NDF:1100113.2/29

All: 92.769+/-0.012 χ^2/NDF: 2146002.9/55

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: 642.578+/-165.083 χ^2/NDF:9.4/10

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -251.725+/-163.980 χ^2/NDF:9.3/9

Left: 192.430+/-116.339 χ^2/NDF: 33.6/20

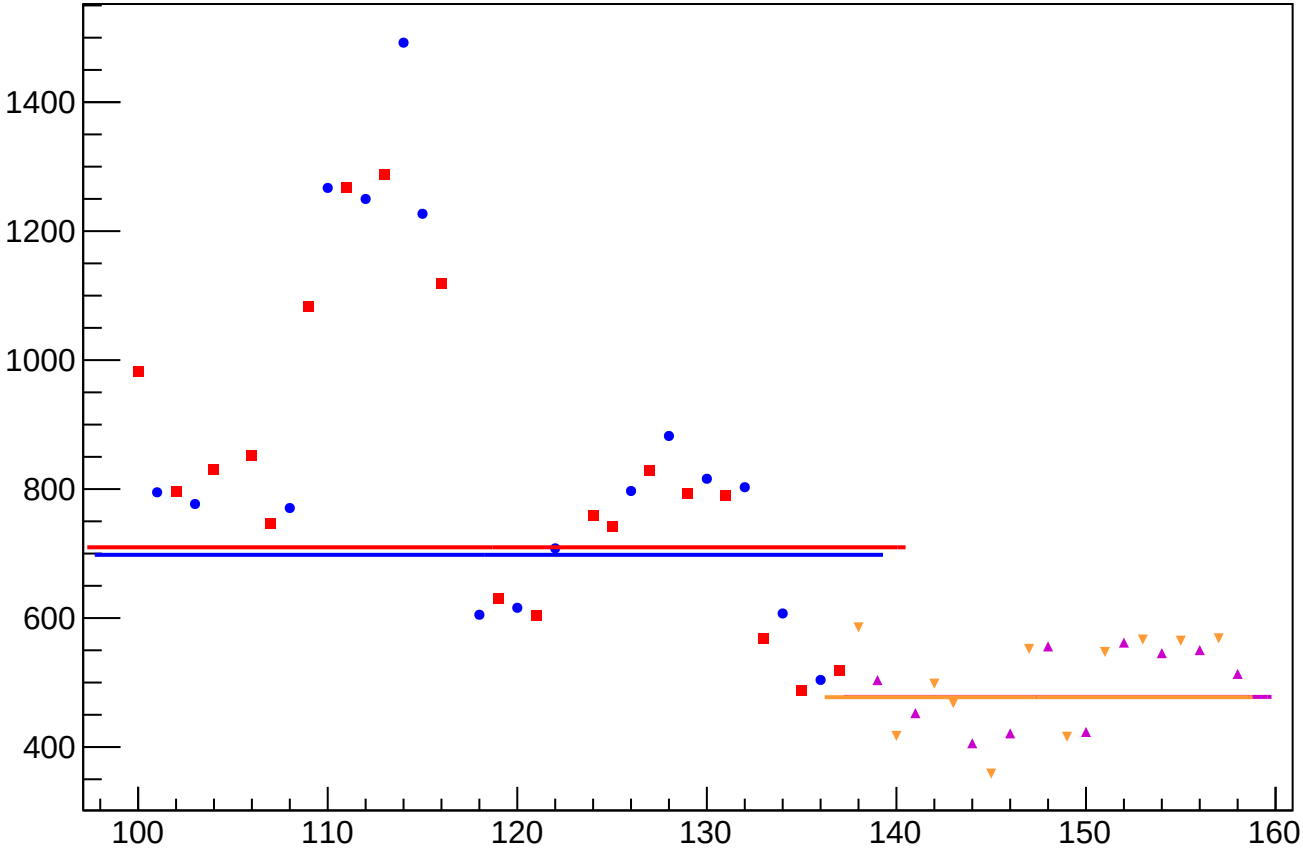
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -218.147+/-139.961 χ^2/NDF:21.8/25

Out: 378.398+/-140.961 χ^2/NDF:33.6/29

All: 78.002+/-99.319 χ^2/NDF: 64.4/55

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 477.284+/-0.117 χ^2/NDF:481117.0/10

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 477.741+/-0.116 χ^2/NDF:261353.2/9

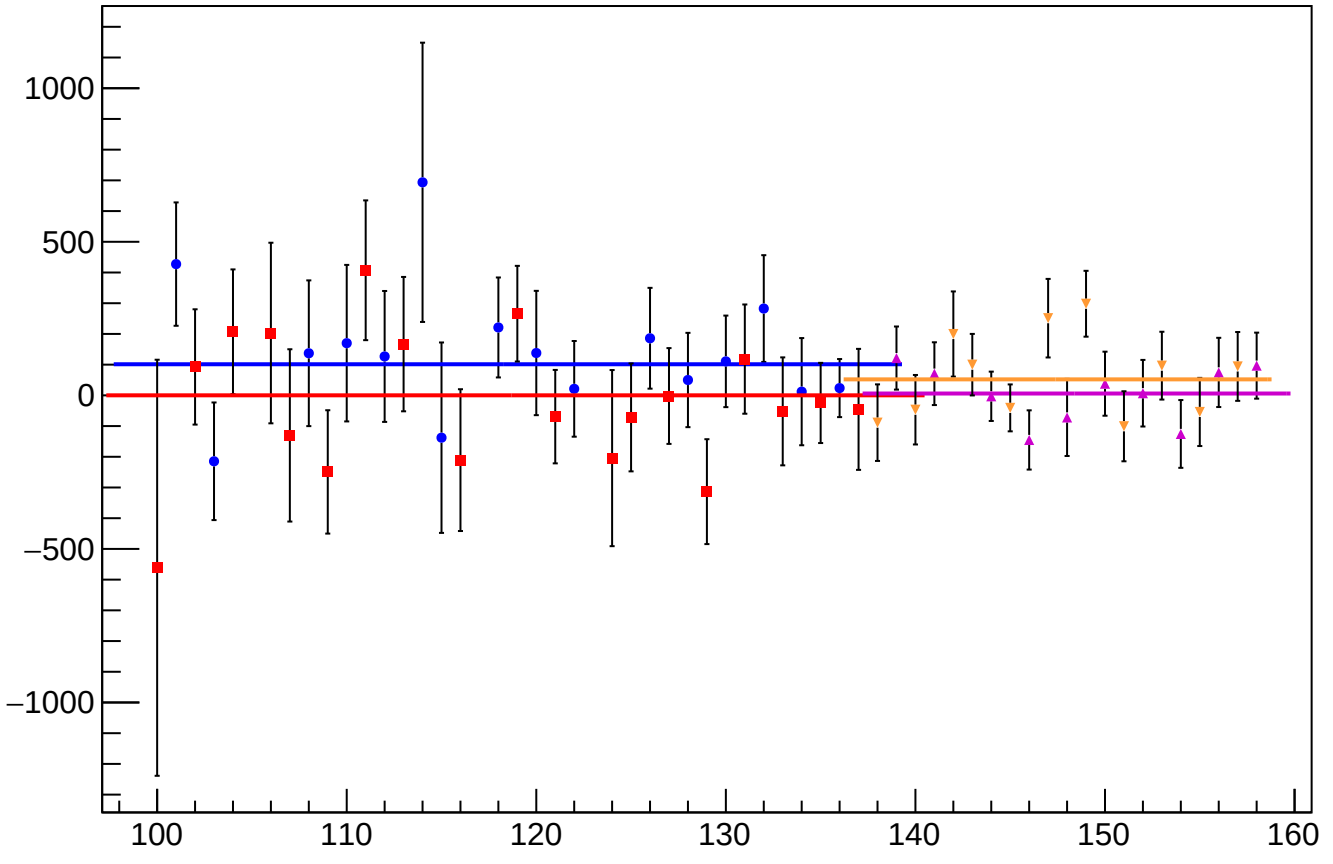
Left: 477.514+/-0.082 χ^2/NDF: 742478.0/20

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.555+/-0.099 χ^2/NDF:2154376.9/25

Out: 540.256+/-0.100 χ^2/NDF:2582532.3/29

All: 538.896+/-0.070 χ^2/NDF: 4737278.8/55



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 52.052+/-32.730 χ^2/NDF:15.6/10

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 5.998+/-32.599 χ^2/NDF:7.1/9

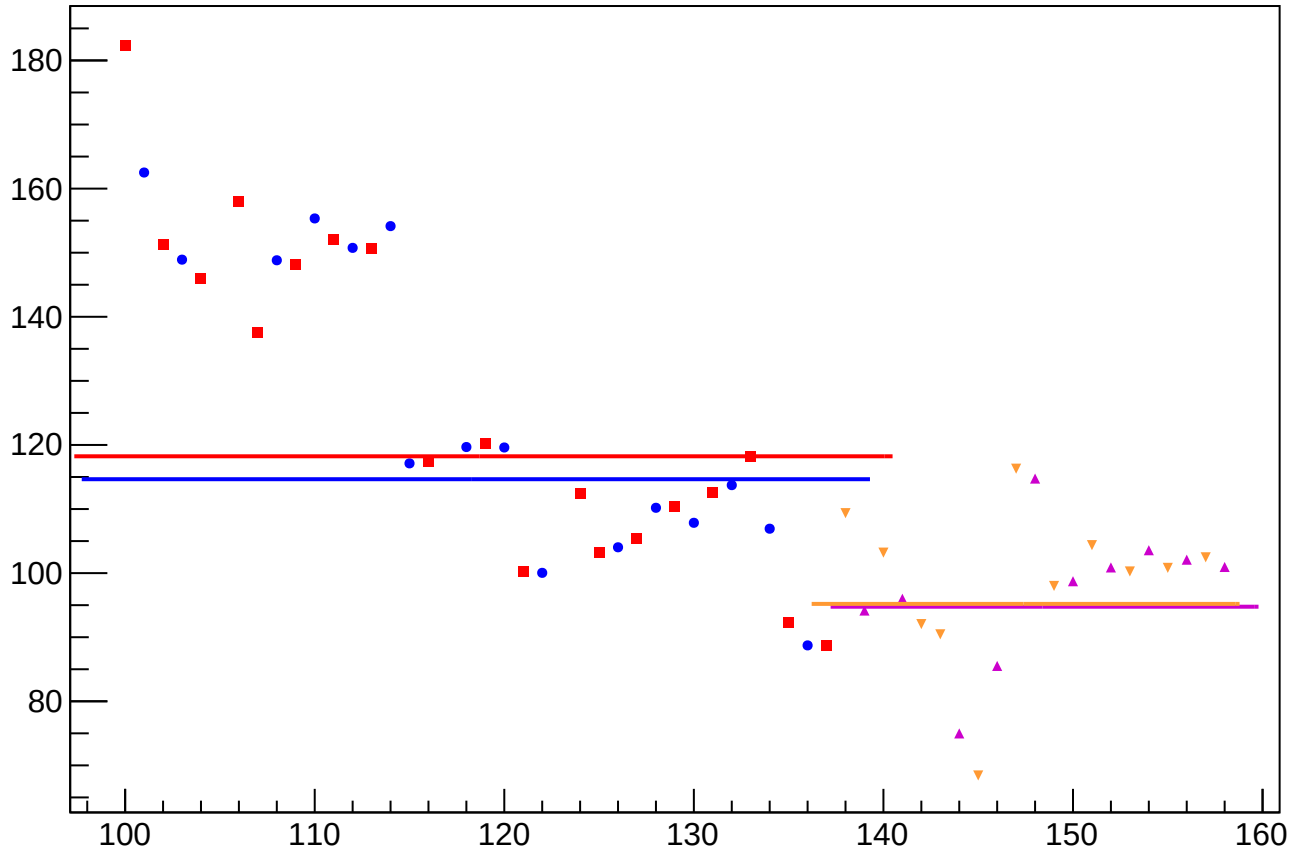
Left: 28.932+/-23.097 χ^2/NDF: 23.7/20

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 40.255+/-26.089 χ^2/NDF:21.2/25

Out: 33.573+/-26.269 χ^2/NDF:33.1/29

All: 36.937+/-18.511 χ^2/NDF: 54.3/55



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.199+/-0.023 χ^2/NDF:373420.6/10

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 94.760+/-0.023 χ^2/NDF:227873.1/9

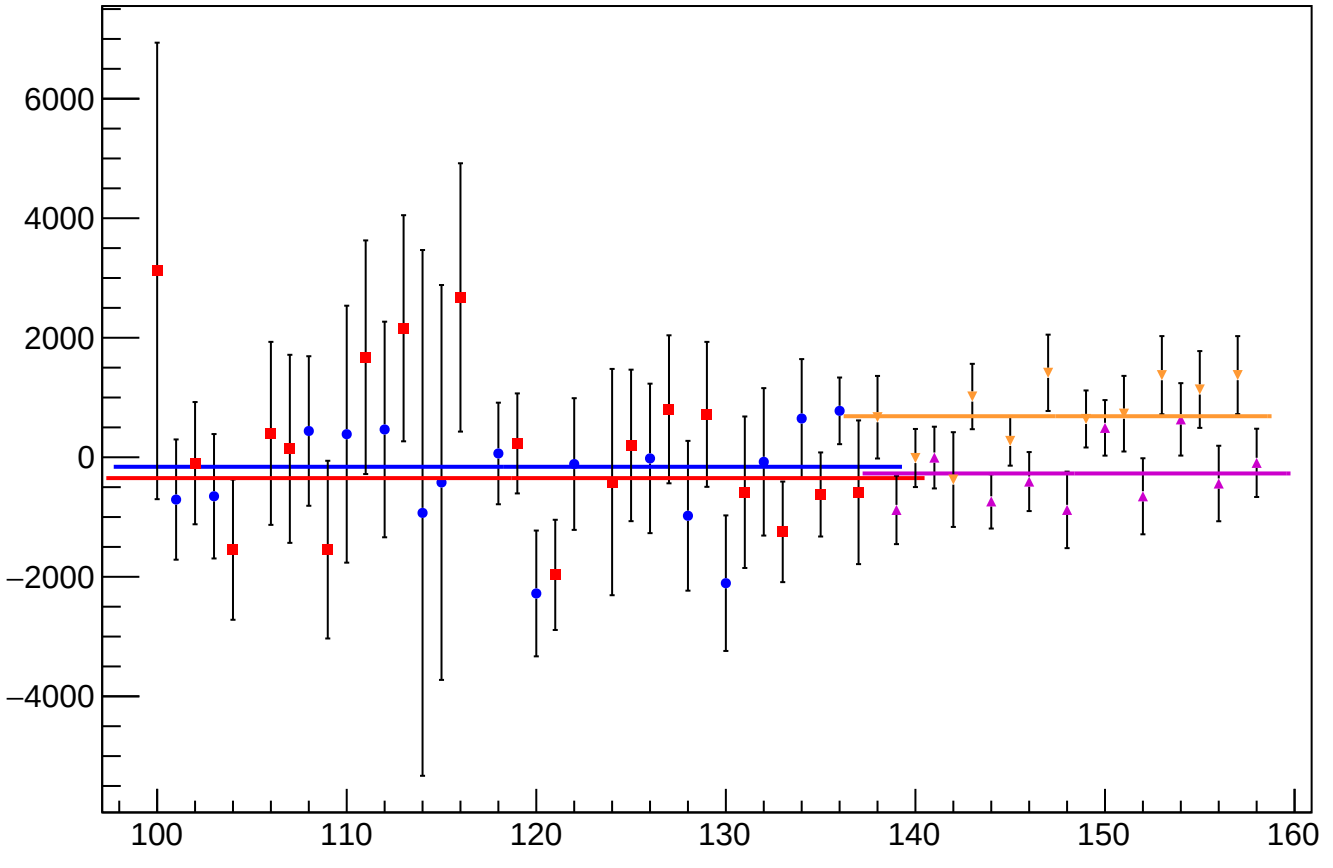
Left: 94.978+/-0.016 χ^2/NDF: 601474.3/20

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.912+/-0.018 χ^2/NDF:1027669.6/25

Out: 103.395+/-0.019 χ^2/NDF:1209258.3/29

All: 102.649+/-0.013 χ^2/NDF: 2240134.1/55



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 686.964+/-172.631 χ^2/NDF:9.2/10

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -270.739+/-172.554 χ^2/NDF:8.9/9

Left: 207.898+/-122.041 χ^2/NDF: 33.5/20

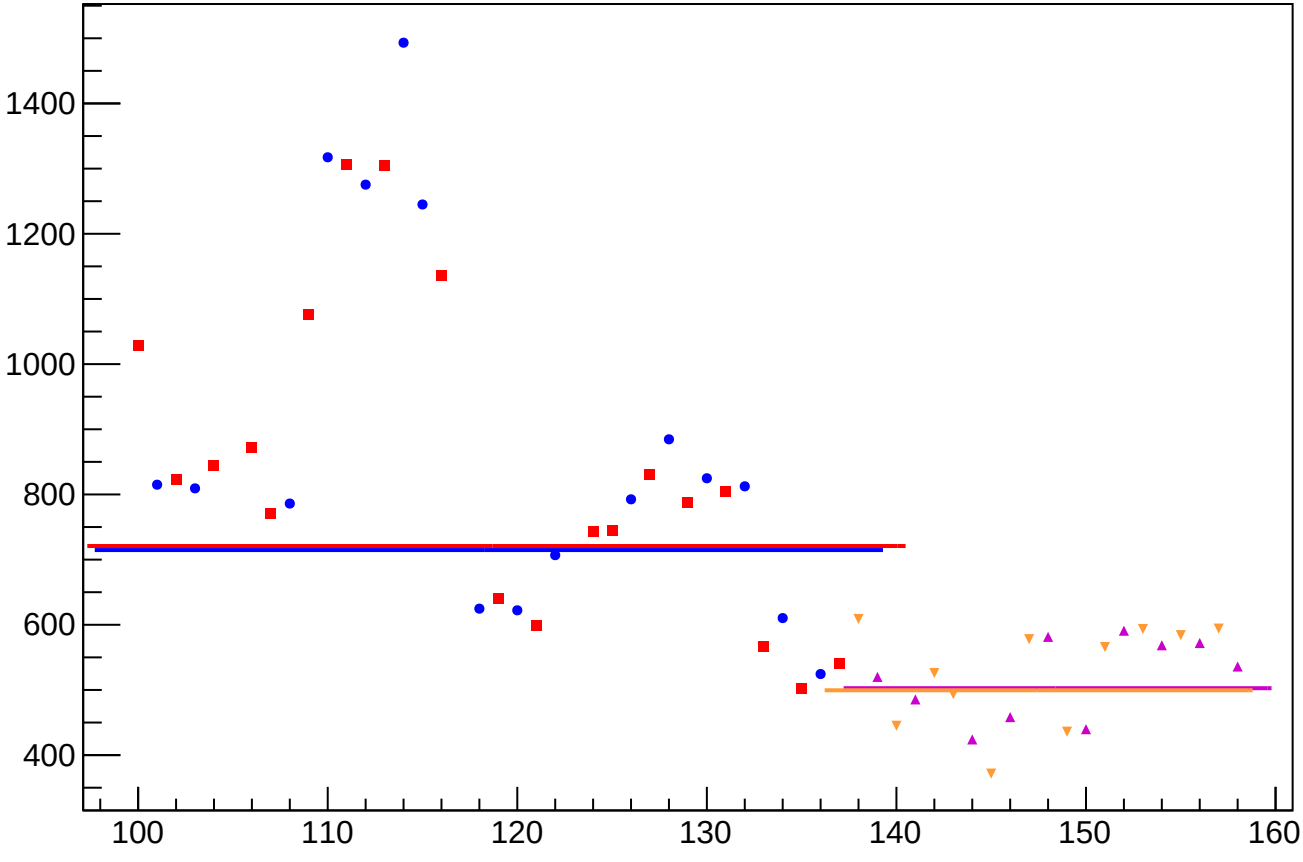
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -239.132+/-146.097 χ^2/NDF:21.0/25

Out: 392.100+/-145.998 χ^2/NDF:33.8/29

All: 76.698+/-103.271 χ^2/NDF: 64.1/55

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 499.506+/-0.122 χ^2/NDF:474385.3/10

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 502.699+/-0.122 χ^2/NDF:239993.7/9

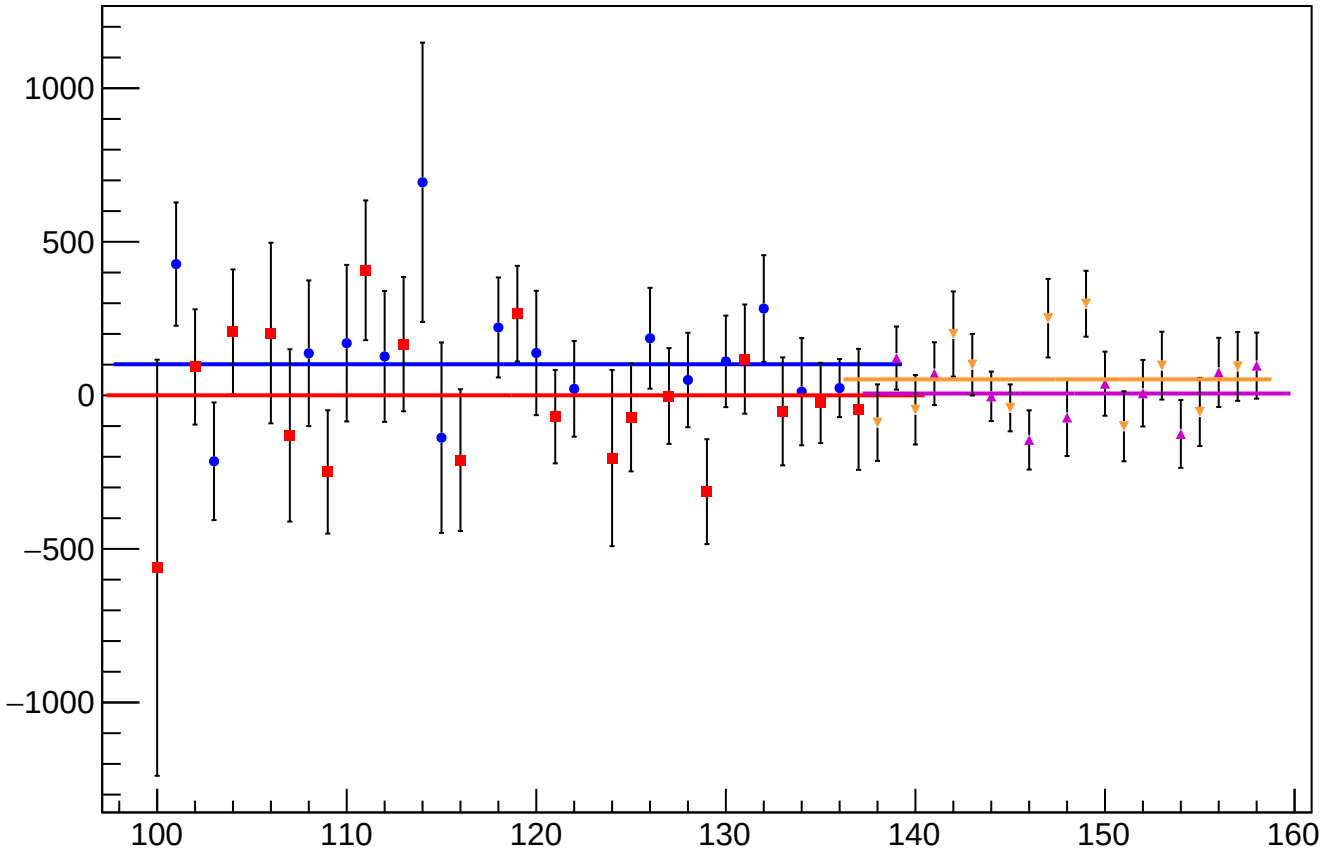
Left: 501.103+/-0.086 χ^2/NDF: 714721.4/20

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 562.717+/-0.103 χ^2/NDF:1970746.7/25

Out: 562.545+/-0.103 χ^2/NDF:2429387.6/29

All: 562.631+/-0.073 χ^2/NDF: 4400135.6/55



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 52.050+/-32.730 χ^2/NDF:15.6/10

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 5.997+/-32.599 χ^2/NDF:7.1/9

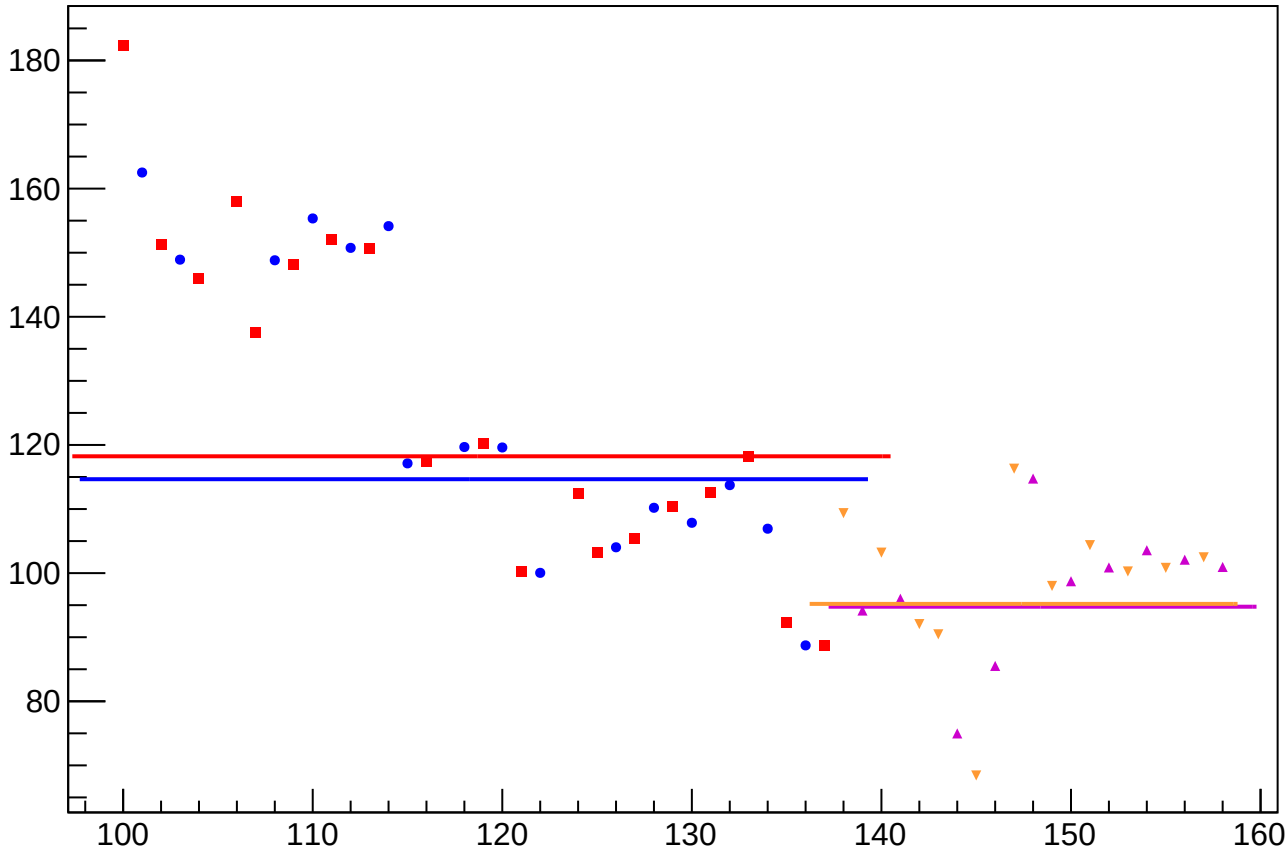
Left: 28.931+/-23.097 χ^2/NDF: 23.7/20

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 40.253+/-26.089 χ^2/NDF:21.2/25

Out: 33.572+/-26.269 χ^2/NDF:33.1/29

All: 36.936+/-18.511 χ^2/NDF: 54.3/55



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.199+/-0.023 χ^2/NDF:373425.6/10

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 94.760+/-0.023 χ^2/NDF:227873.2/9

Left: 94.978+/-0.016 χ^2/NDF: 601479.4/20

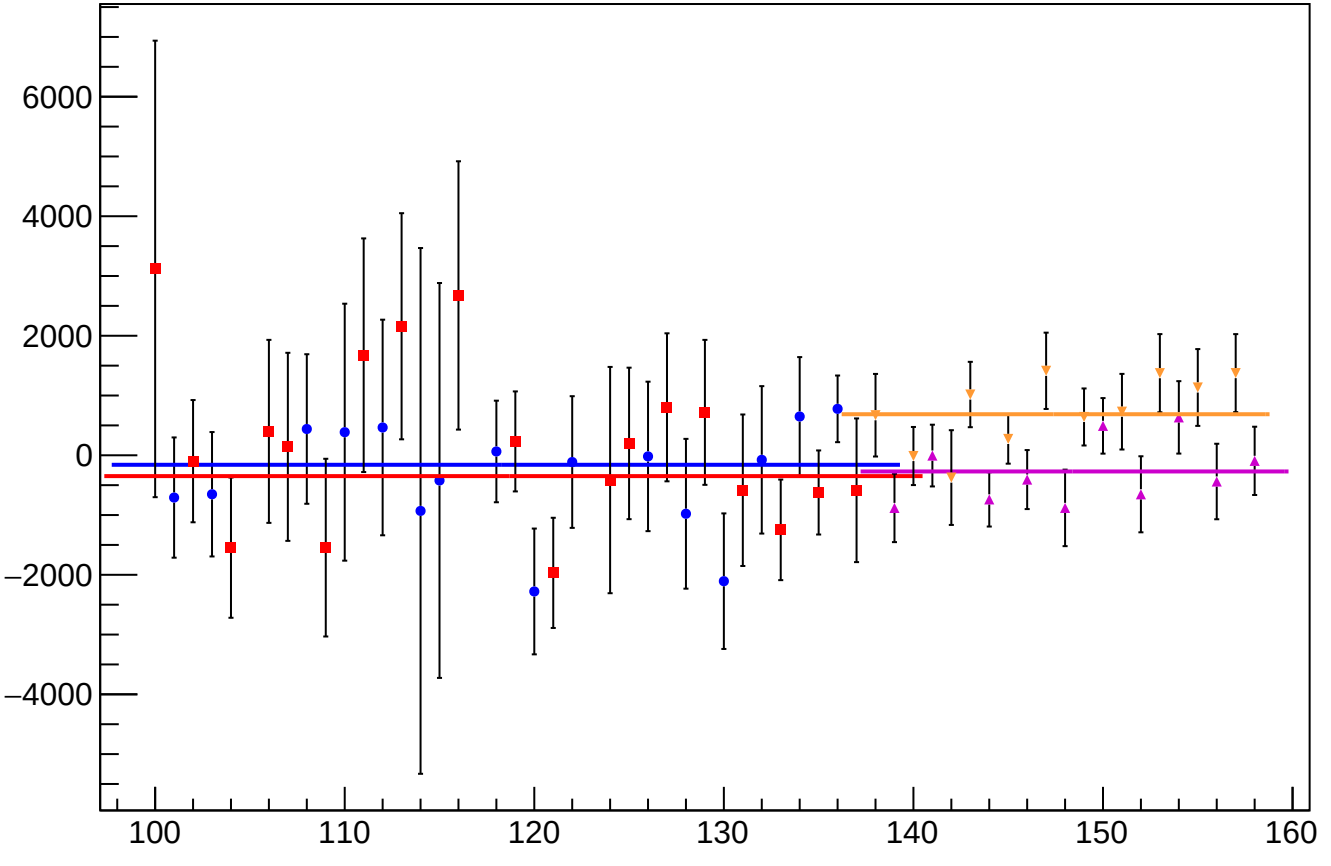
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.913+/-0.018 χ^2/NDF:1027658.7/25

Out: 103.395+/-0.019 χ^2/NDF:1209257.0/29

All: 102.649+/-0.013 χ^2/NDF: 2240121.4/55

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: 686.963+/-172.631 χ^2/NDF:9.2/10

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -270.740+/-172.554 χ^2/NDF:8.9/9

Left: 207.898+/-122.041 χ^2/NDF: 33.5/20

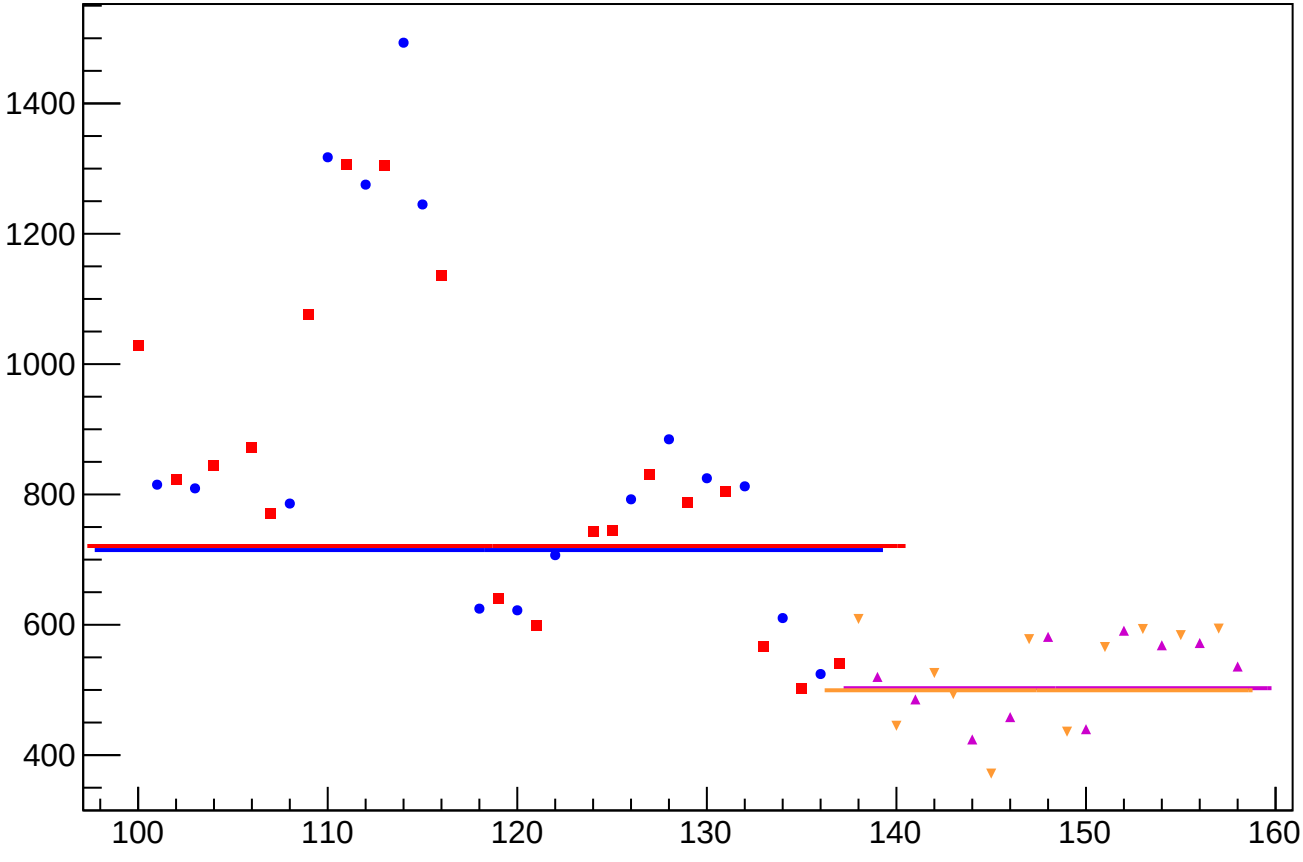
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -239.133+/-146.097 χ^2/NDF:21.0/25

Out: 392.099+/-145.998 χ^2/NDF:33.8/29

All: 76.697+/-103.271 χ^2/NDF: 64.1/55

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: 499.506+/-0.122 χ^2/NDF:474386.7/10

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 502.699+/-0.122 χ^2/NDF:239991.6/9

Left: 501.103+/-0.086 χ^2/NDF: 714720.7/20

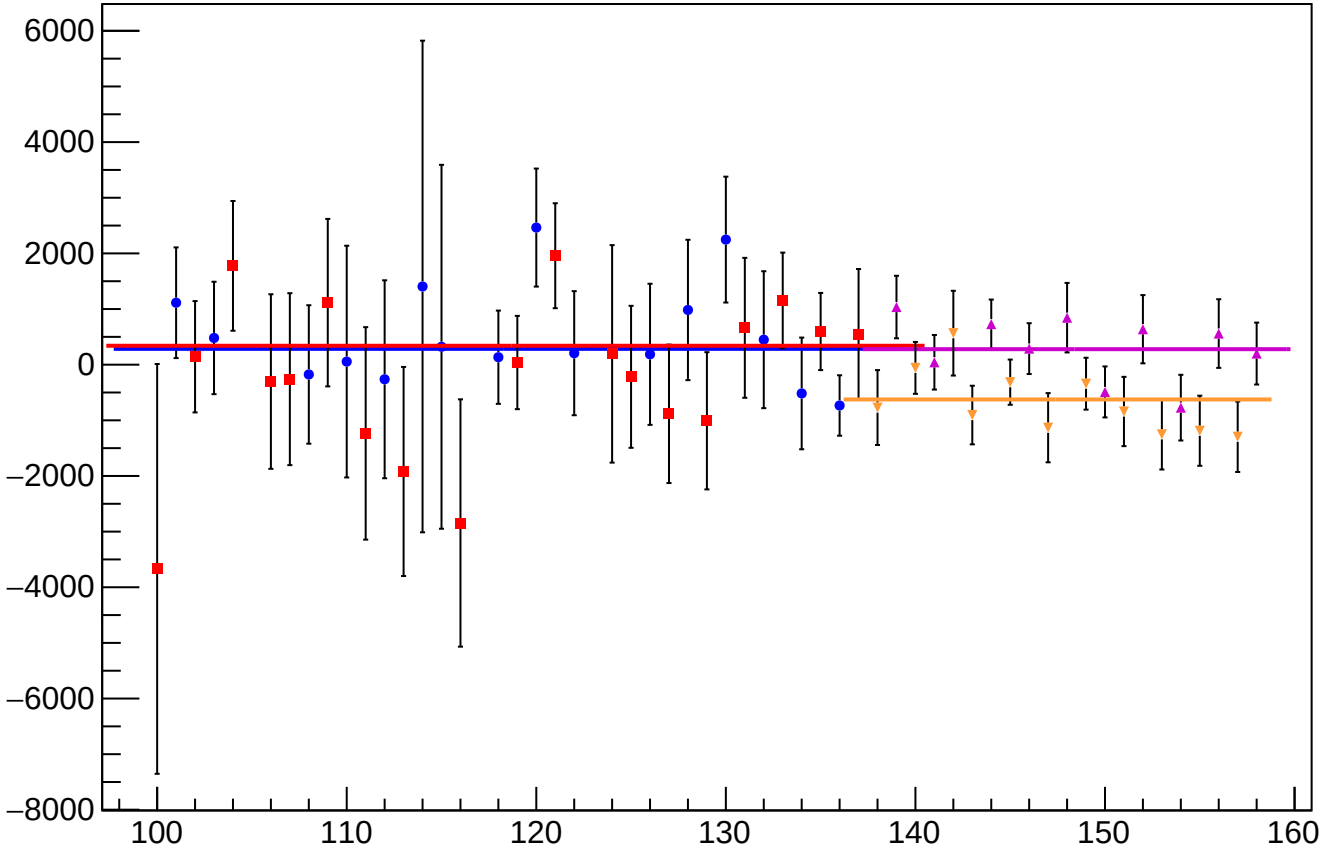
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 562.717+/-0.103 χ^2/NDF:1970736.8/25

Out: 562.545+/-0.103 χ^2/NDF:2429380.7/29

All: 562.631+/-0.073 χ^2/NDF: 4400118.8/55

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -625.229+/-167.902 χ^2/NDF:8.9/10

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 278.604+/-166.709 χ^2/NDF:10.5/9

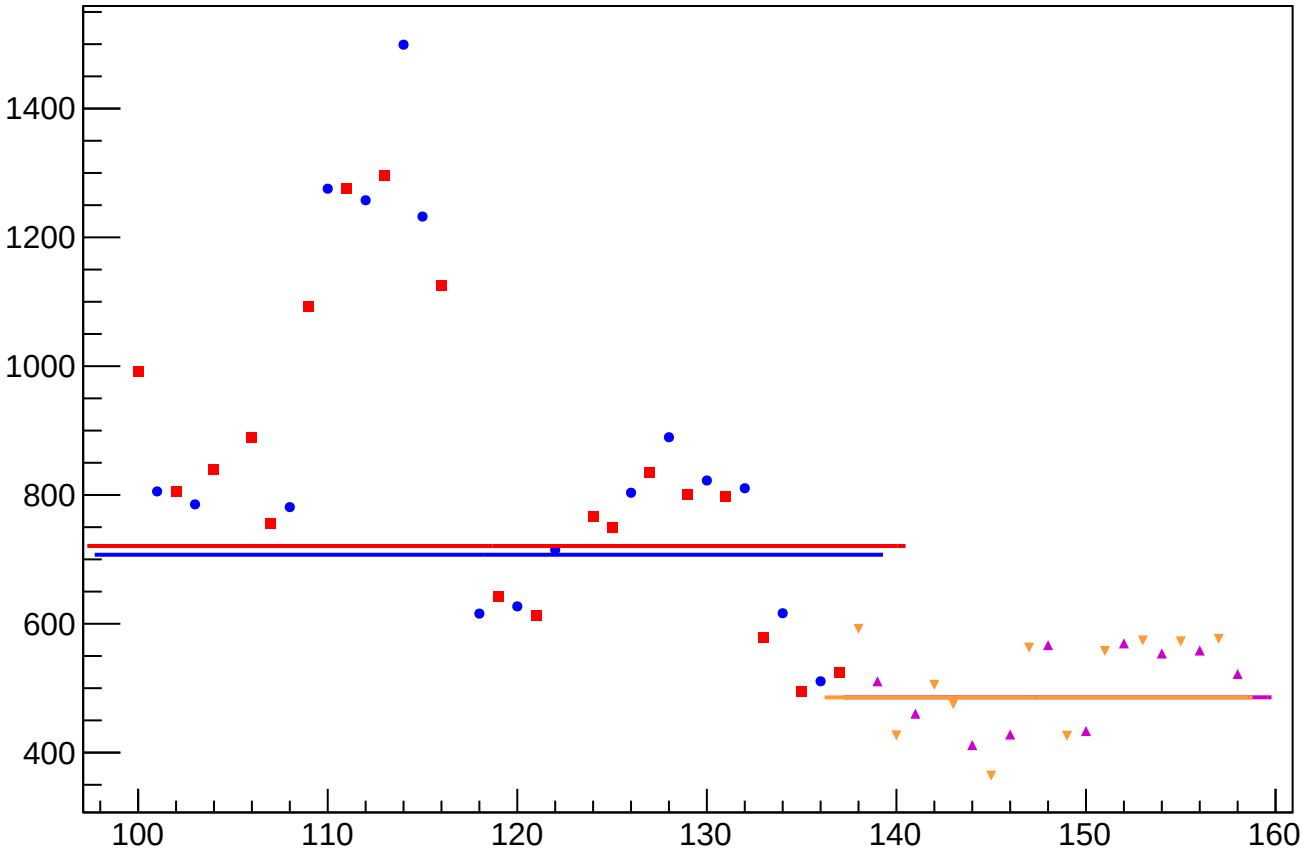
Left: -170.092+/-118.301 χ^2/NDF: 34.0/20

Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 280.291+/-142.129 χ^2/NDF:23.3/25

Out: -361.167+/-143.104 χ^2/NDF:32.0/29

All: -38.245+/-100.843 χ^2/NDF: 65.4/55



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 485.703+/-0.119 χ^2/NDF:471274.4/10

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 485.829+/-0.118 χ^2/NDF:257782.7/9

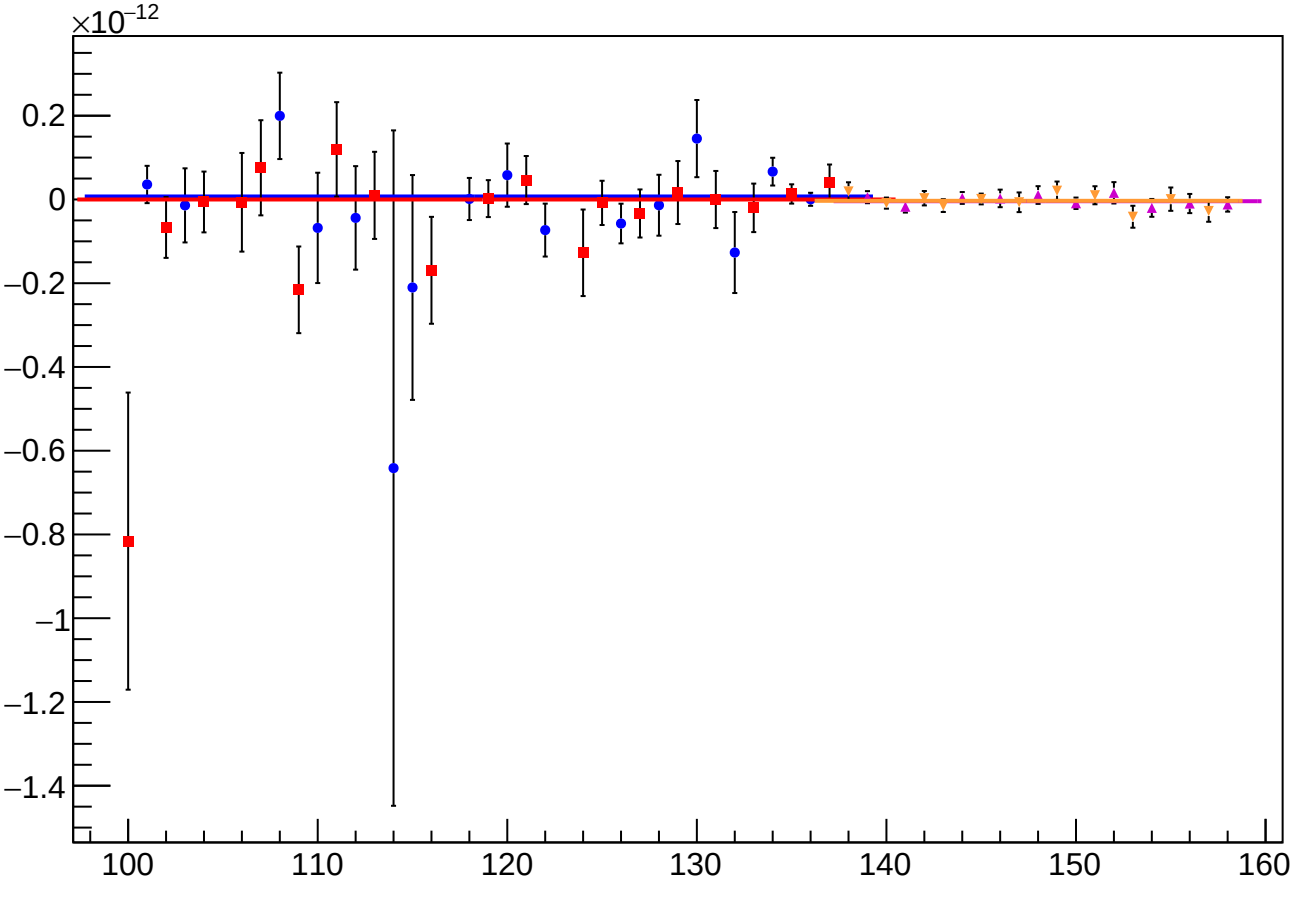
Left: 485.766+/-0.084 χ^2/NDF: 729057.7/20

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 546.300+/-0.101 χ^2/NDF:2117841.4/25

Out: 550.012+/-0.101 χ^2/NDF:2559061.7/29

All: 548.143+/-0.071 χ^2/NDF: 4677580.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/9

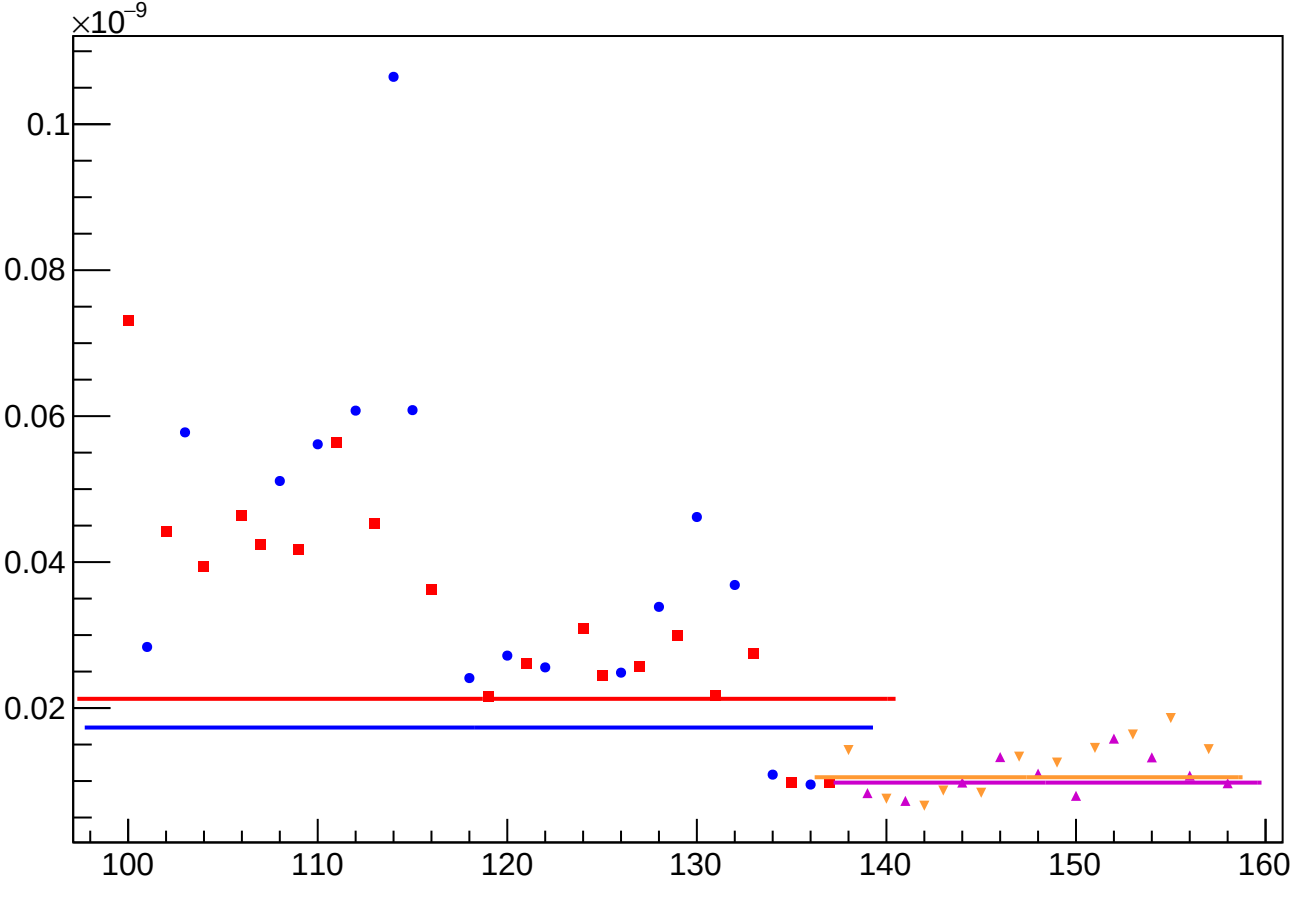
Left: -0.000+/-0.000 χ^2/NDF: 10.4/20

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:21.9/25

Out: -0.000+/-0.000 χ^2/NDF:24.5/29

All: -0.000+/-0.000 χ^2/NDF: 46.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:771050.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:348604.7/9

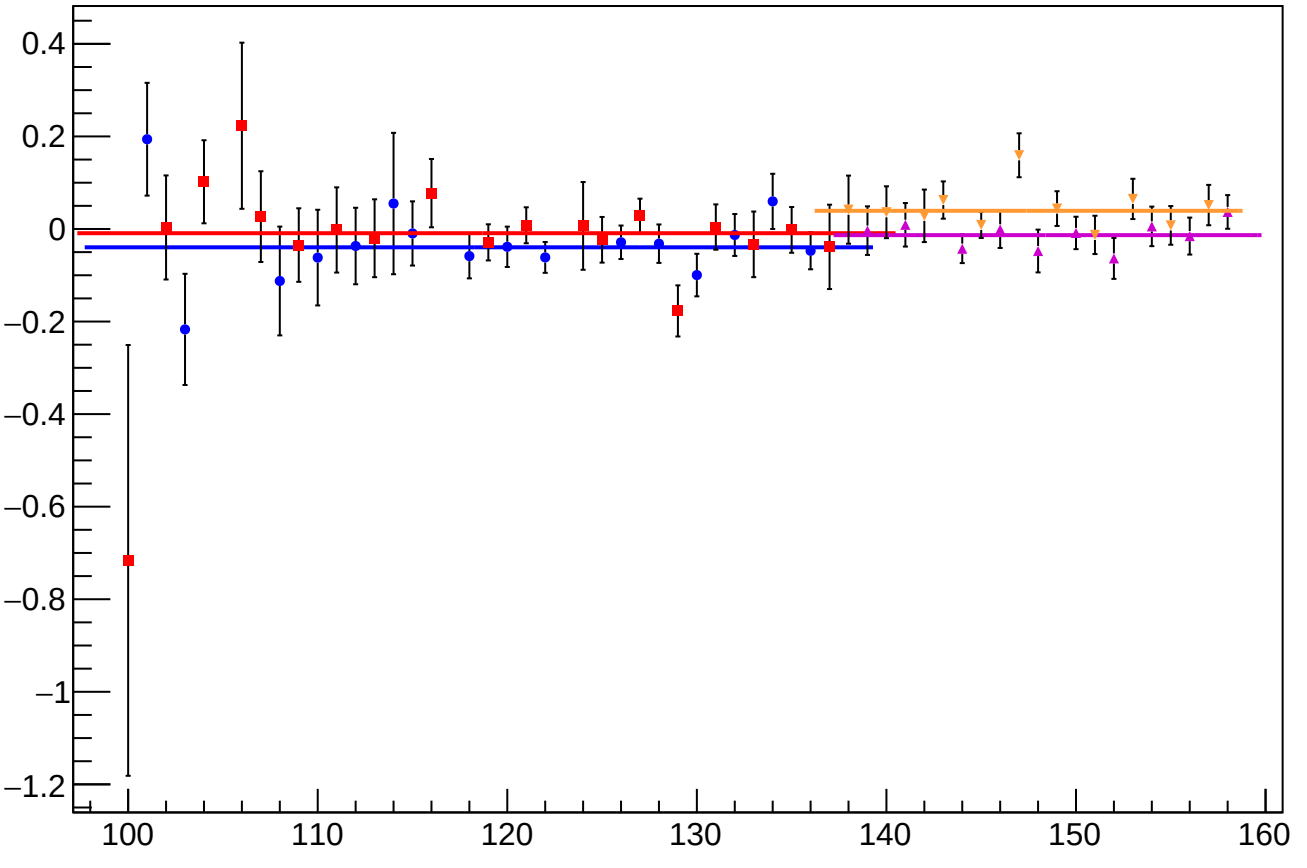
Left: 0.000+/-0.000 χ^2/NDF: 1137465.4/20

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3423294.6/25

Out: 0.000+/-0.000 χ^2/NDF:3536137.3/29

All: 0.000+/-0.000 χ^2/NDF: 6995327.3/55



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.013 χ^2/NDF:5.2/9

Left: 0.013+/-0.009 χ^2/NDF: 24.2/20

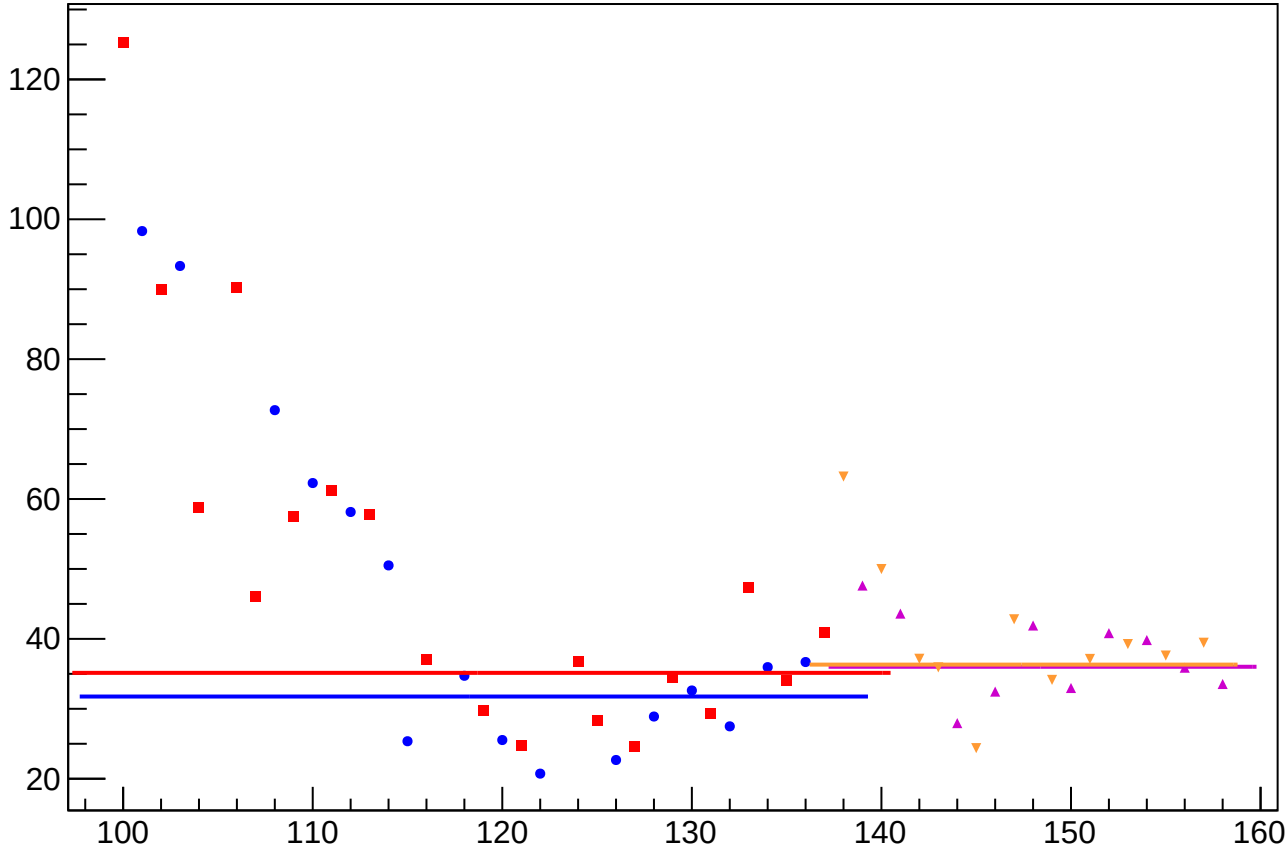
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.026+/-0.009 χ^2/NDF:19.7/25

Out: 0.017+/-0.010 χ^2/NDF:35.2/29

All: -0.005+/-0.007 χ^2/NDF: 65.8/55

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.319+/-0.009 χ^2/NDF:812707.4/10

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396773.0/9

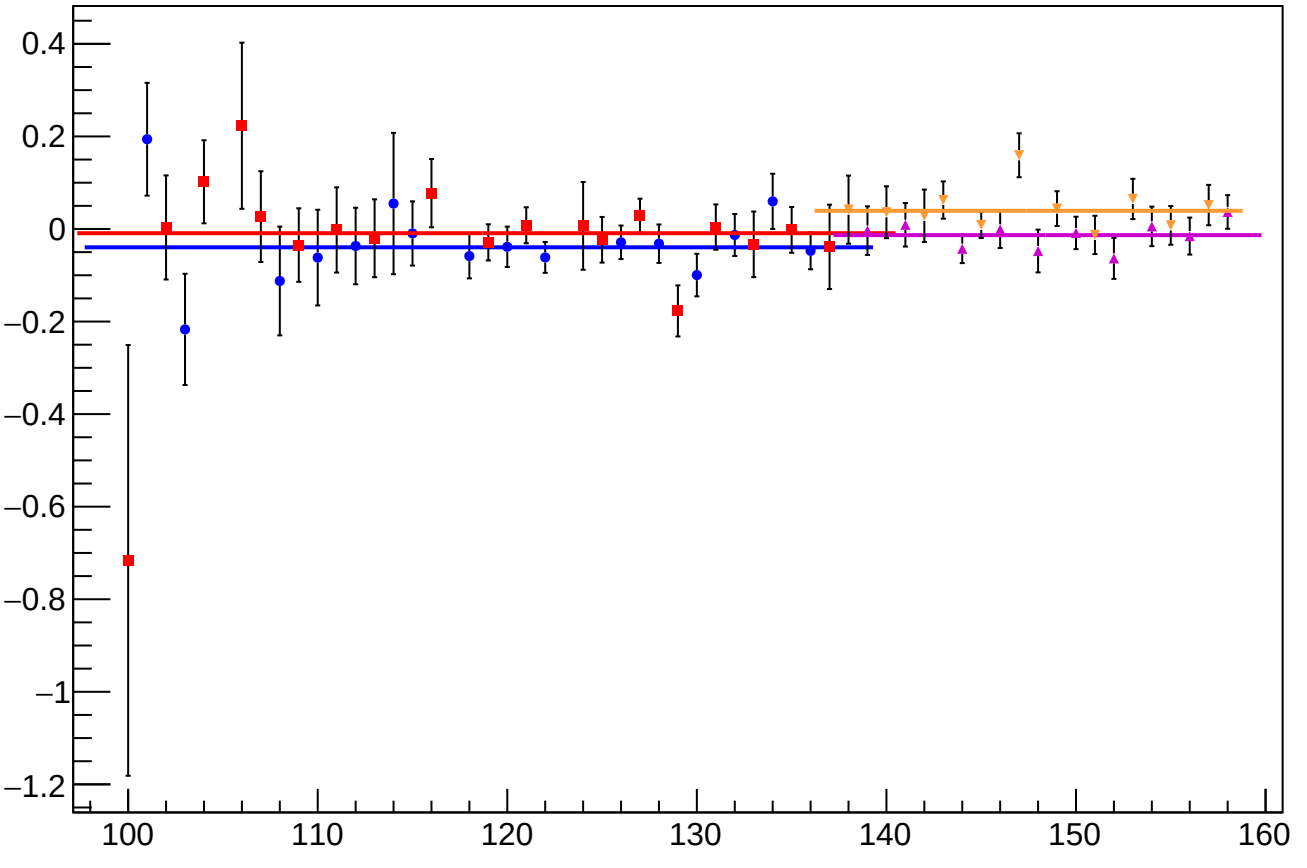
Left: 36.163+/-0.006 χ^2/NDF: 1210061.9/20

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.959+/-0.006 χ^2/NDF:2757434.9/25

Out: 35.787+/-0.007 χ^2/NDF:2664990.4/29

All: 34.836+/-0.005 χ^2/NDF: 5460793.6/55



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.013 χ^2/NDF:5.2/9

Left: 0.013+/-0.009 χ^2/NDF: 24.2/20

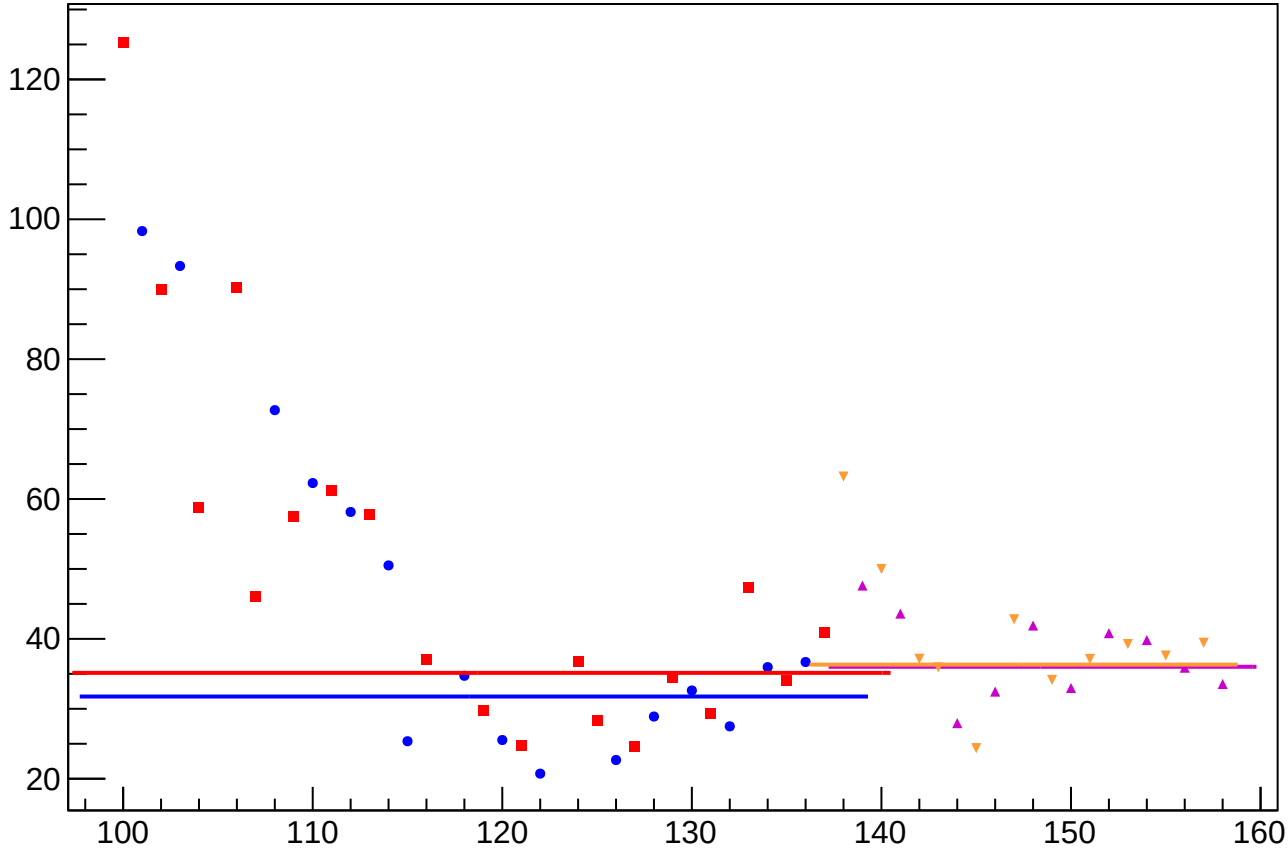
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.026+/-0.009 χ^2/NDF:19.7/25

Out: 0.017+/-0.010 χ^2/NDF:35.2/29

All: -0.005+/-0.007 χ^2/NDF: 65.8/55

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.319+/-0.009 χ^2/NDF:812707.4/10

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396773.0/9

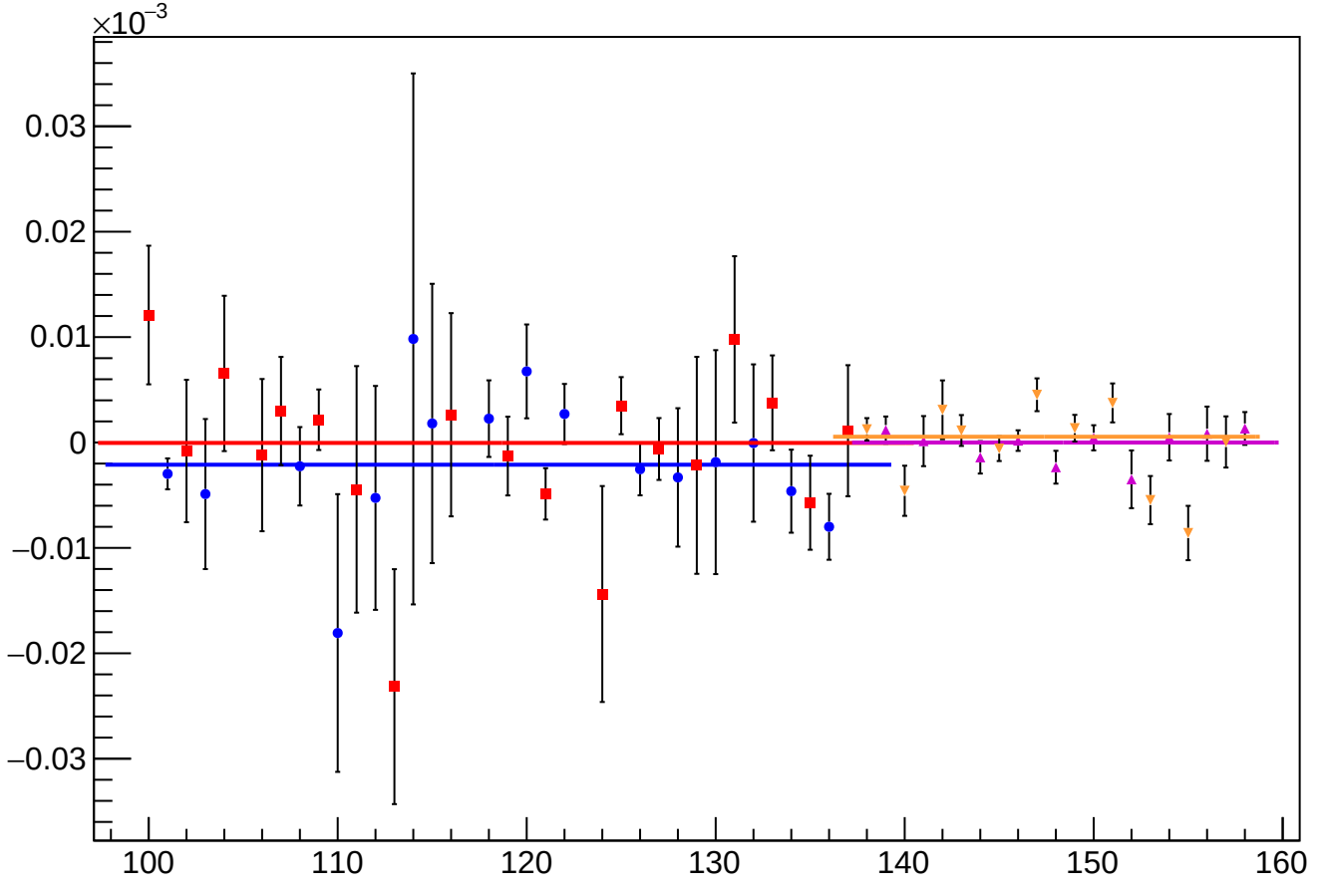
Left: 36.163+/-0.006 χ^2/NDF: 1210061.9/20

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.959+/-0.006 χ^2/NDF:2757434.9/25

Out: 35.787+/-0.007 χ^2/NDF:2664990.4/29

All: 34.836+/-0.005 χ^2/NDF: 5460793.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/9

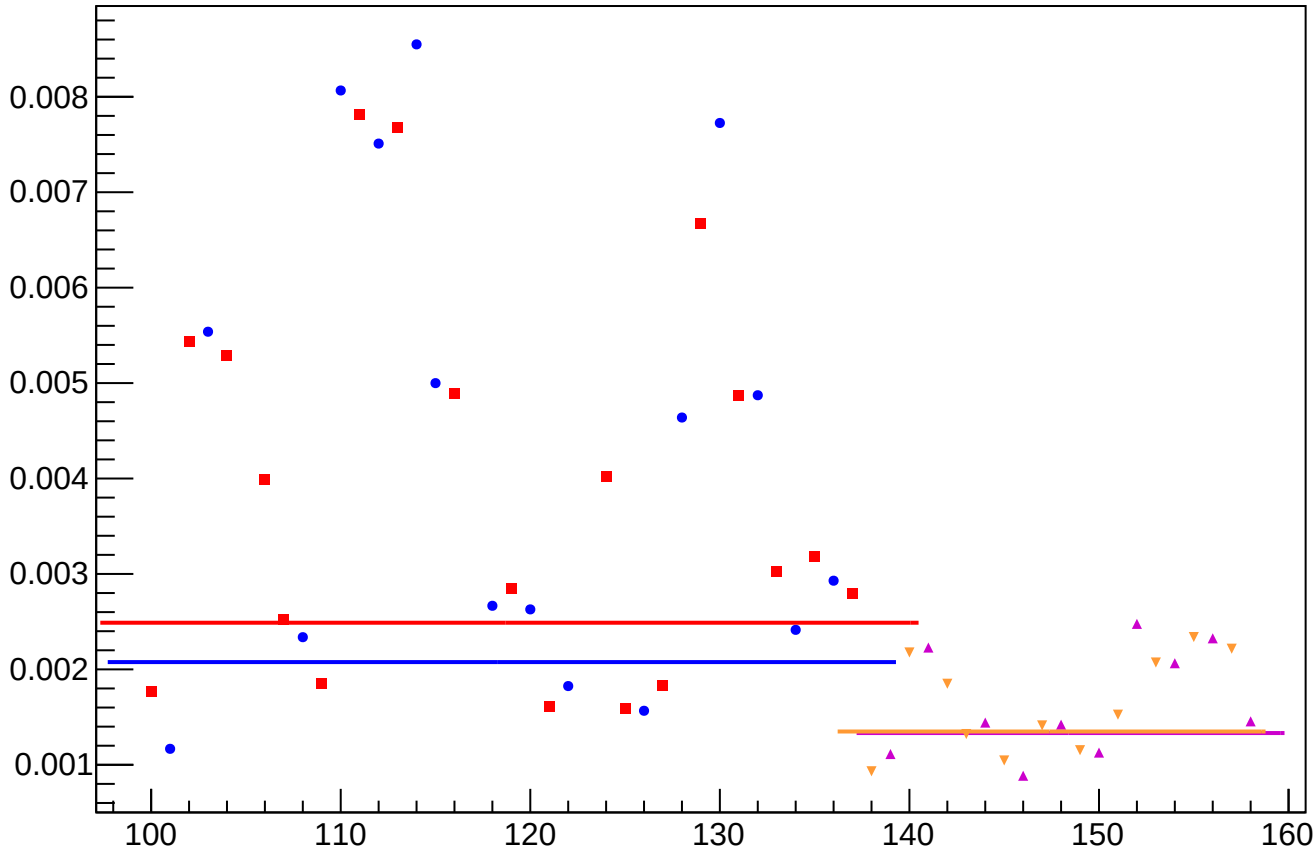
Left: 0.000+/-0.000 χ^2/NDF: 43.8/20

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:25.5/25

Out: 0.000+/-0.000 χ^2/NDF:58.2/29

All: -0.000+/-0.000 χ^2/NDF: 85.9/55



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1568981.4/10

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1717658.3/9

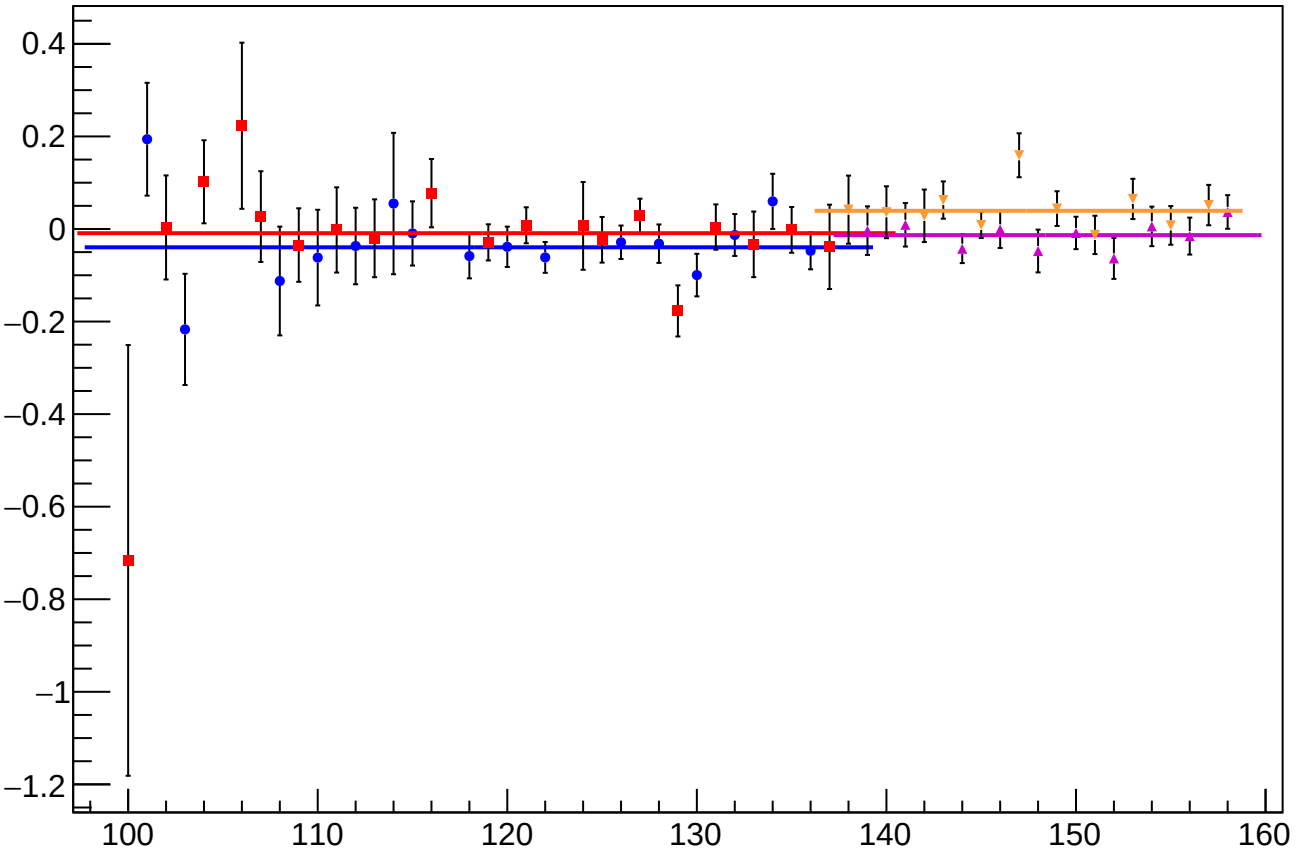
Left: 0.001+/-0.000 χ^2/NDF: 3287746.9/20

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:6676237.4/25

Out: 0.002+/-0.000 χ^2/NDF:6625708.9/29

All: 0.002+/-0.000 χ^2/NDF: 13318599.1/55



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.013 χ^2/NDF:5.2/9

Left: 0.013+/-0.009 χ^2/NDF: 24.2/20

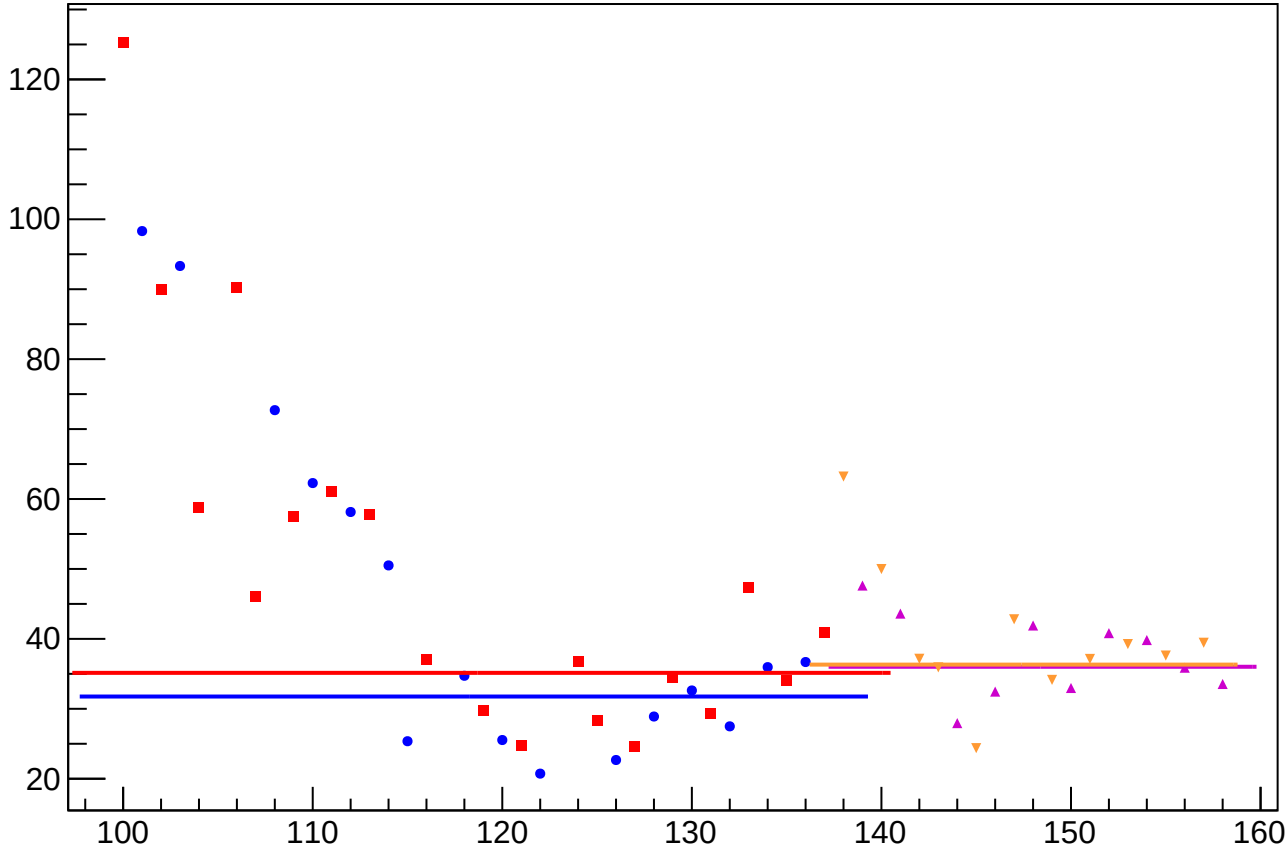
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.026+/-0.009 χ^2/NDF:19.7/25

Out: 0.017+/-0.010 χ^2/NDF:35.2/29

All: -0.005+/-0.007 χ^2/NDF: 65.8/55

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: 36.319+/-0.009 χ^2/NDF:812749.2/10

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396767.3/9

Left: 36.163+/-0.006 χ^2/NDF: 1210097.1/20

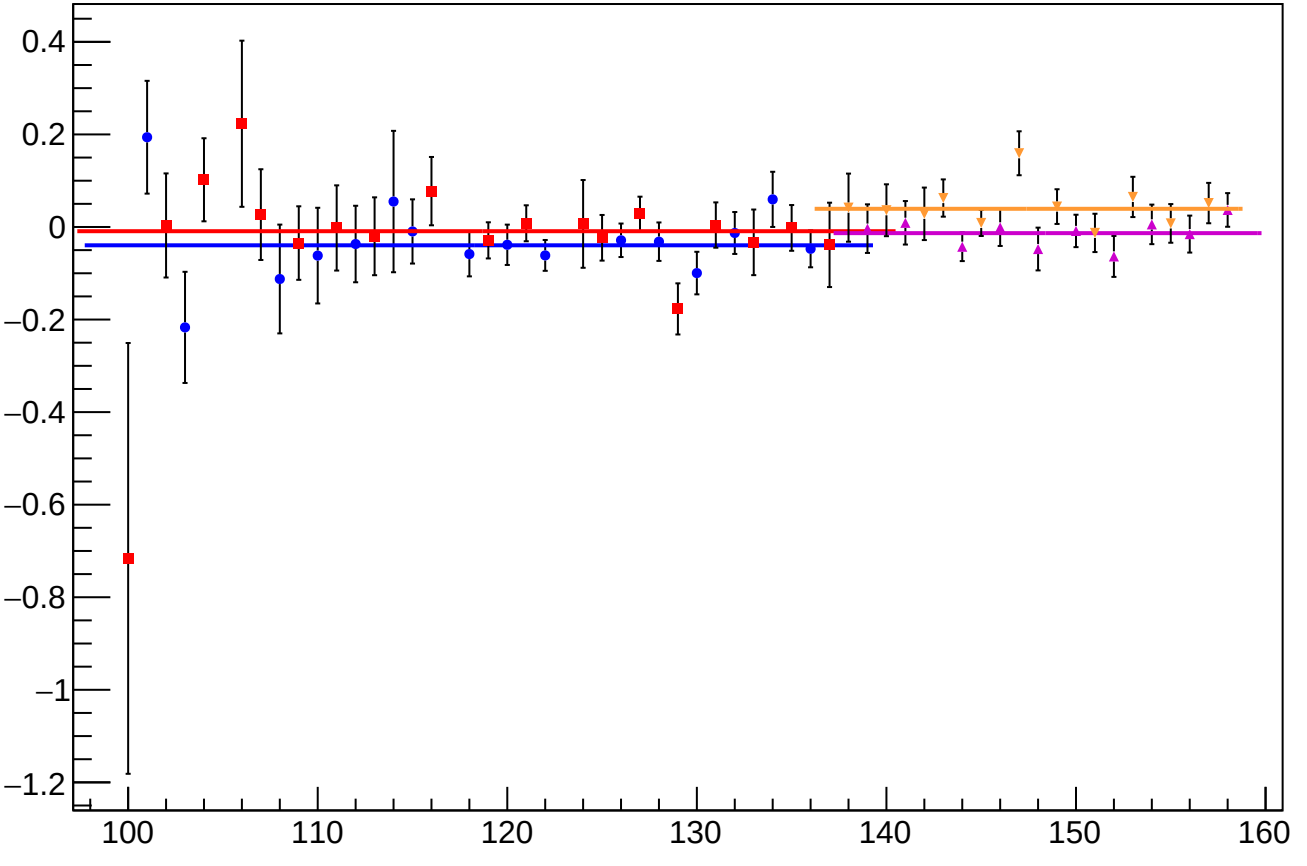
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.959+/-0.006 χ^2/NDF:2757390.0/25

Out: 35.787+/-0.007 χ^2/NDF:2664921.1/29

All: 34.836+/-0.005 χ^2/NDF: 5460675.9/55

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: 0.039+/-0.013 χ^2/NDF:10.5/10

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.013+/-0.013 χ^2/NDF:5.2/9

Left: 0.013+/-0.009 χ^2/NDF: 24.2/20

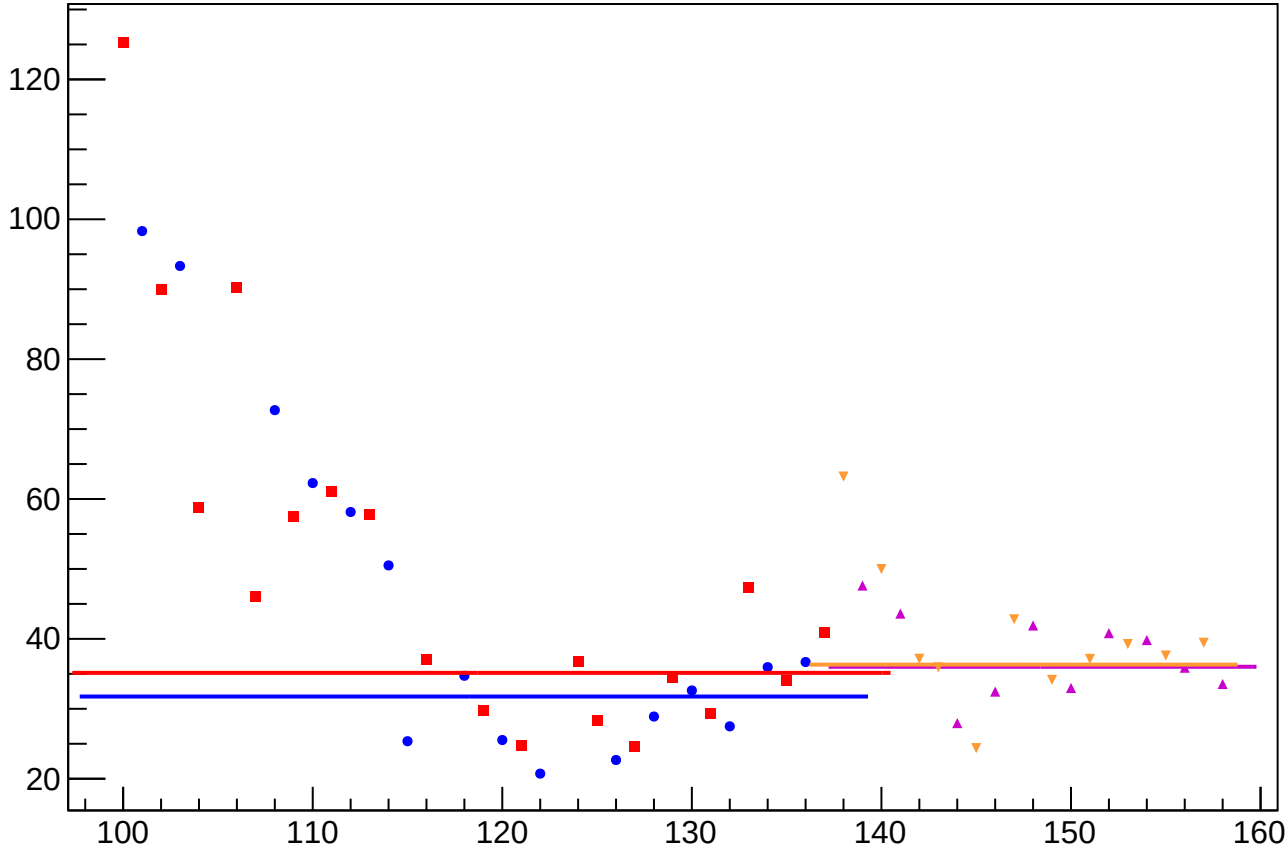
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.026+/-0.009 χ^2/NDF:19.7/25

Out: 0.017+/-0.010 χ^2/NDF:35.2/29

All: -0.005+/-0.007 χ^2/NDF: 65.8/55

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: 36.319+/-0.009 χ^2/NDF:812749.2/10

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396767.3/9

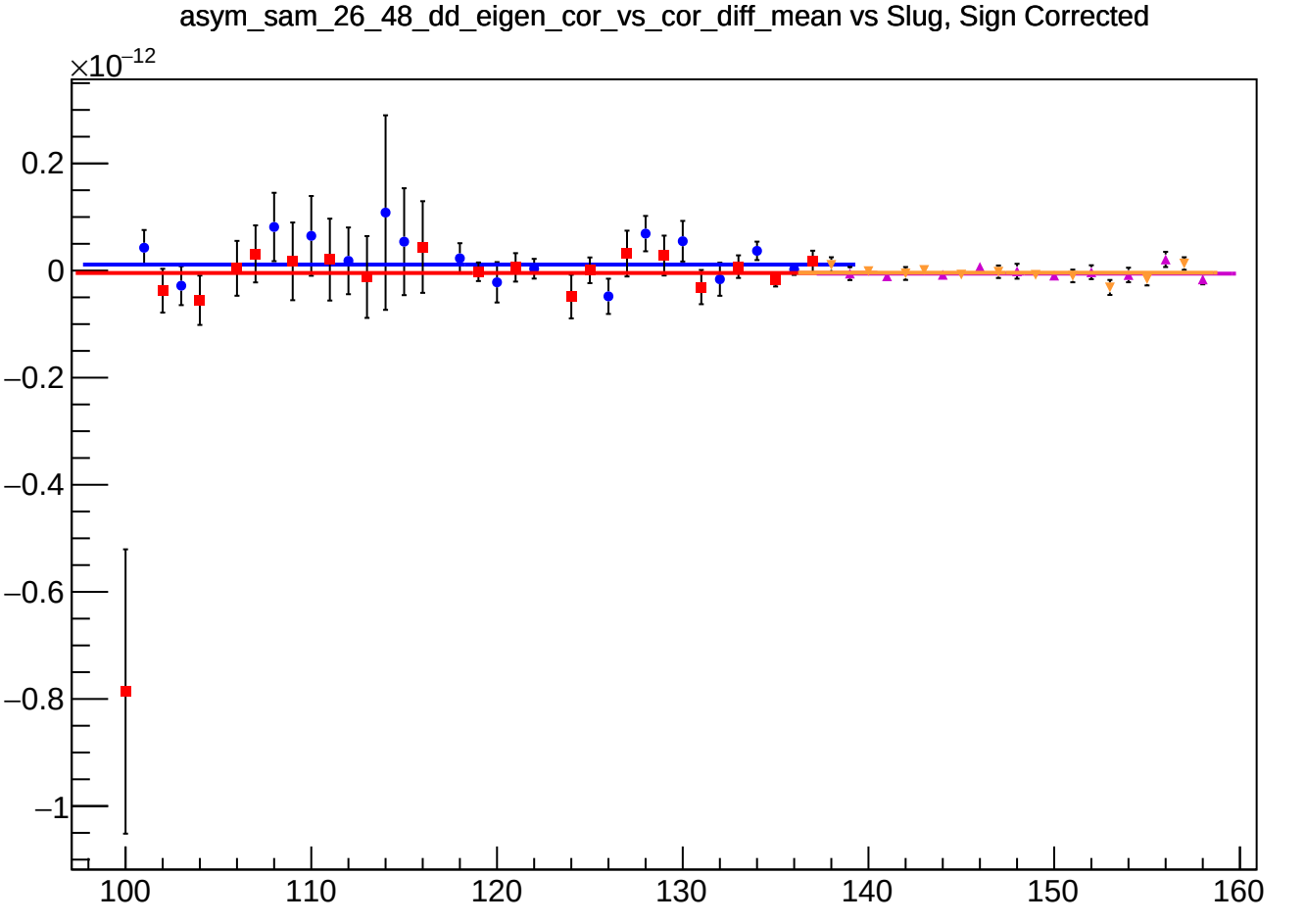
Left: 36.163+/-0.006 χ^2/NDF: 1210097.1/20

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.959+/-0.006 χ^2/NDF:2757390.0/25

Out: 35.787+/-0.007 χ^2/NDF:2664921.1/29

All: 34.836+/-0.005 χ^2/NDF: 5460675.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/9

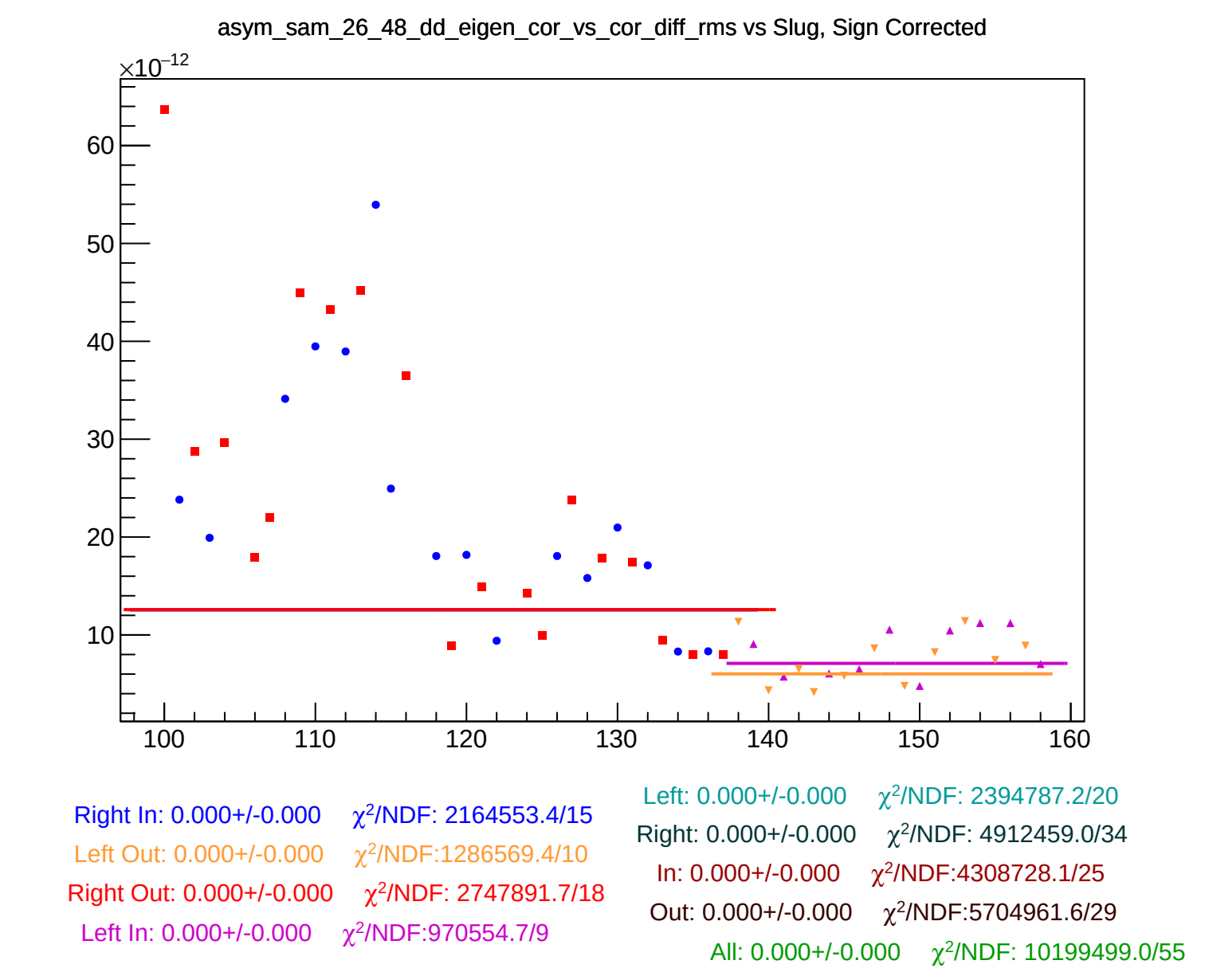
Left: -0.000+/-0.000 χ^2/NDF: 17.6/20

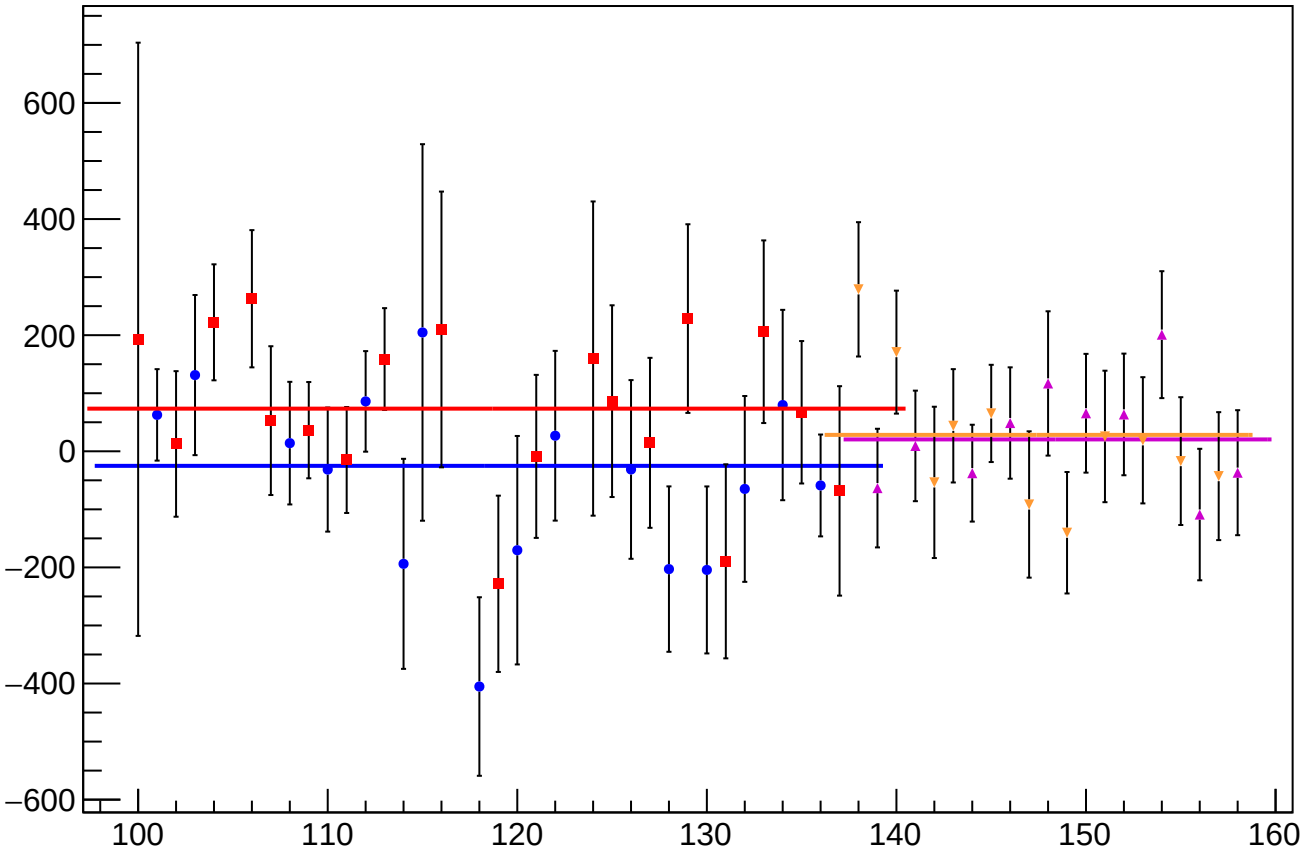
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:30.3/25

Out: -0.000+/-0.000 χ^2/NDF:27.1/29

All: -0.000+/-0.000 χ^2/NDF: 57.5/55


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1286569.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:970554.7/9
Left: 0.000+/-0.000 χ²/NDF: 2394787.2/20
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4308728.1/25
Out: 0.000+/-0.000 χ²/NDF:5704961.6/29
All: 0.000+/-0.000 χ²/NDF: 10199499.0/55



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.265+/-32.407 χ^2/NDF:11.2/10

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 20.439+/-32.309 χ^2/NDF:6.5/9

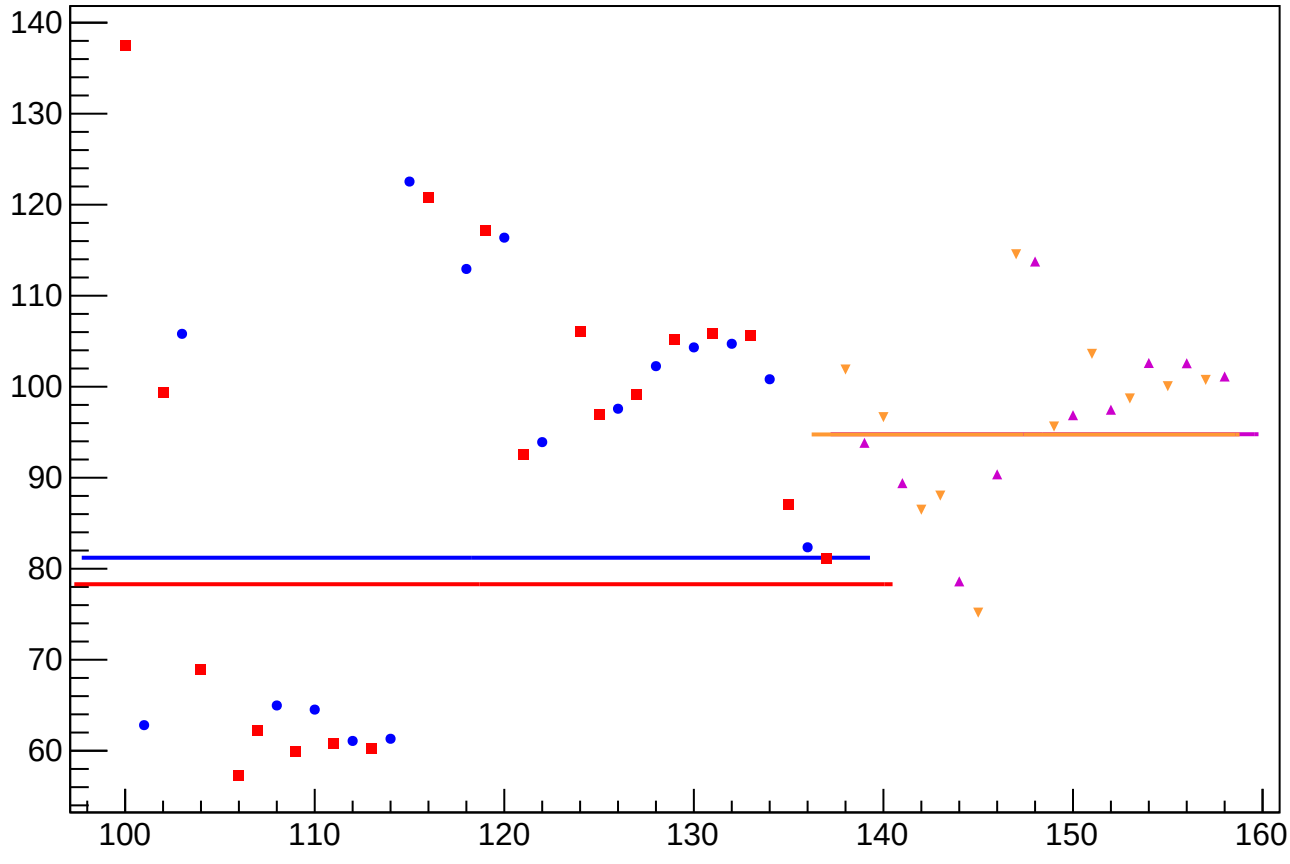
Left: 24.340+/-22.881 χ^2/NDF: 17.8/20

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -3.090+/-22.455 χ^2/NDF:23.8/25

Out: 52.651+/-21.989 χ^2/NDF:29.1/29

All: 25.364+/-15.711 χ^2/NDF: 56.0/55



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 94.754+/-0.023 χ^2/NDF:210058.1/10

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

Left: 94.767+/-0.016 χ^2/NDF: 371447.0/20

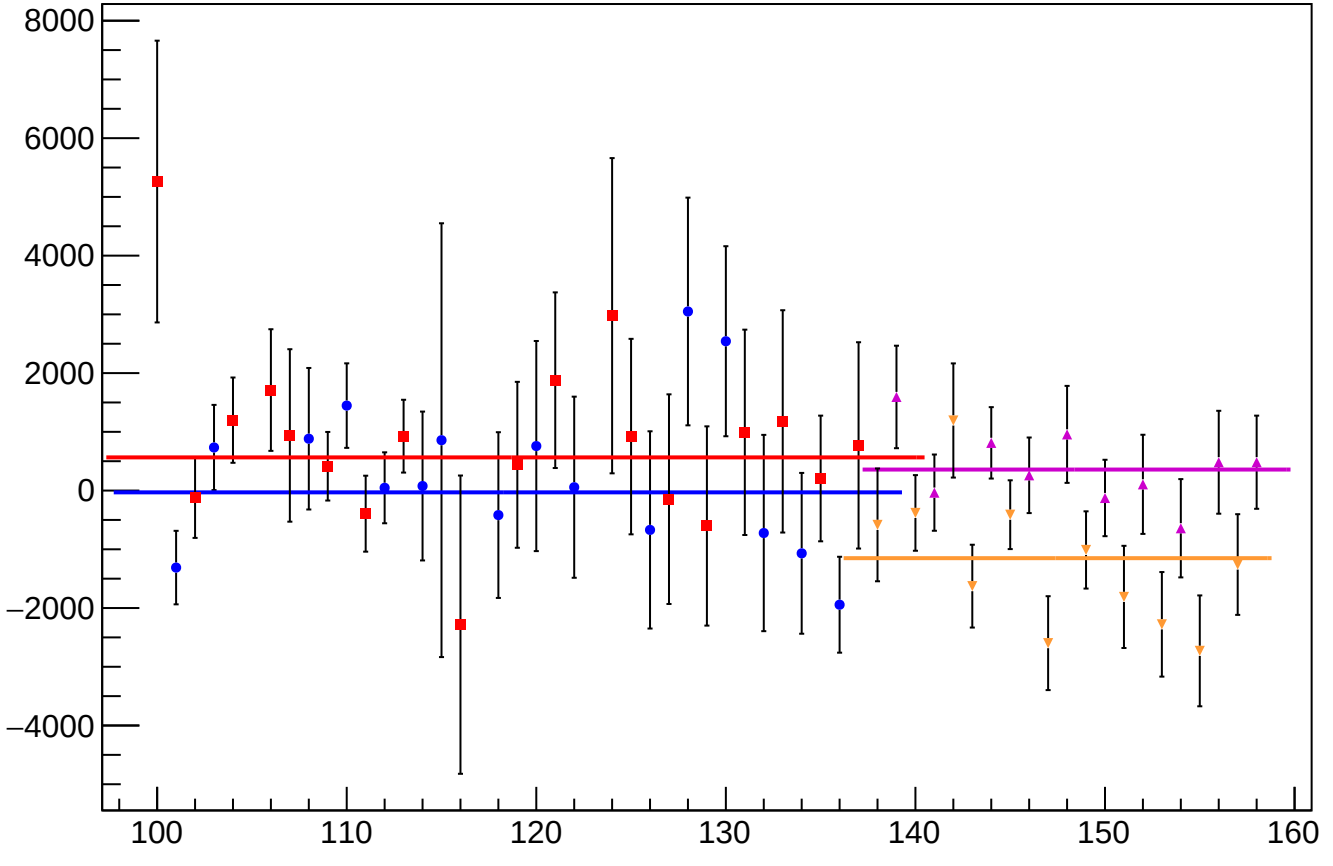
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 87.764+/-0.016 χ^2/NDF:1131462.5/25

Out: 85.874+/-0.016 χ^2/NDF:1423010.5/29

All: 86.800+/-0.011 χ^2/NDF: 2561703.4/55

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: -1150.940+/-232.960 χ^2/NDF:18.0/10

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 357.805+/-233.360 χ^2/NDF:5.6/9

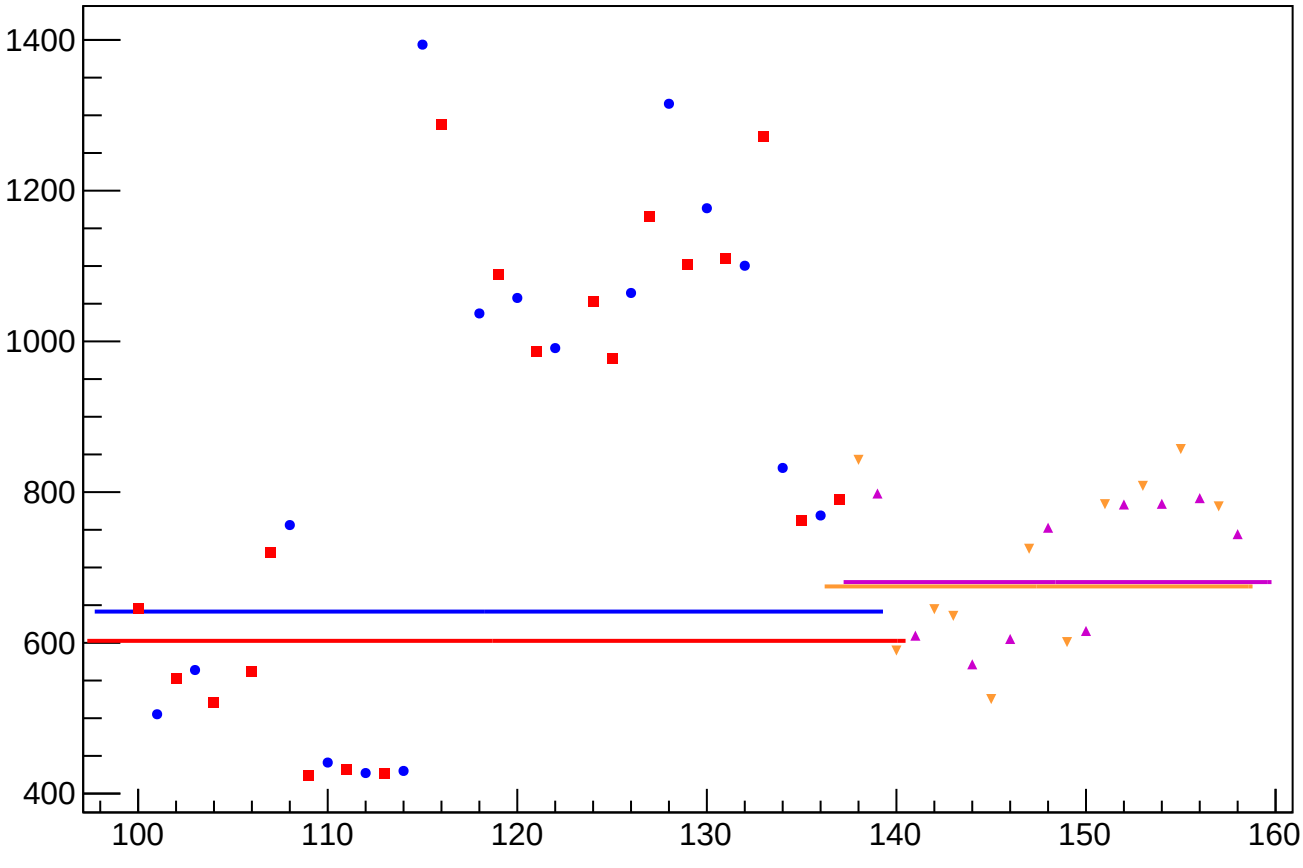
Left: -397.863+/-164.869 χ^2/NDF: 44.5/20

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 182.371+/-172.765 χ^2/NDF:28.7/25

Out: -313.157+/-166.649 χ^2/NDF:57.7/29

All: -74.319+/-119.942 χ^2/NDF: 90.7/55



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 674.851+/-0.165 χ^2/NDF:449167.9/10

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 680.630+/-0.165 χ^2/NDF:293164.8/9

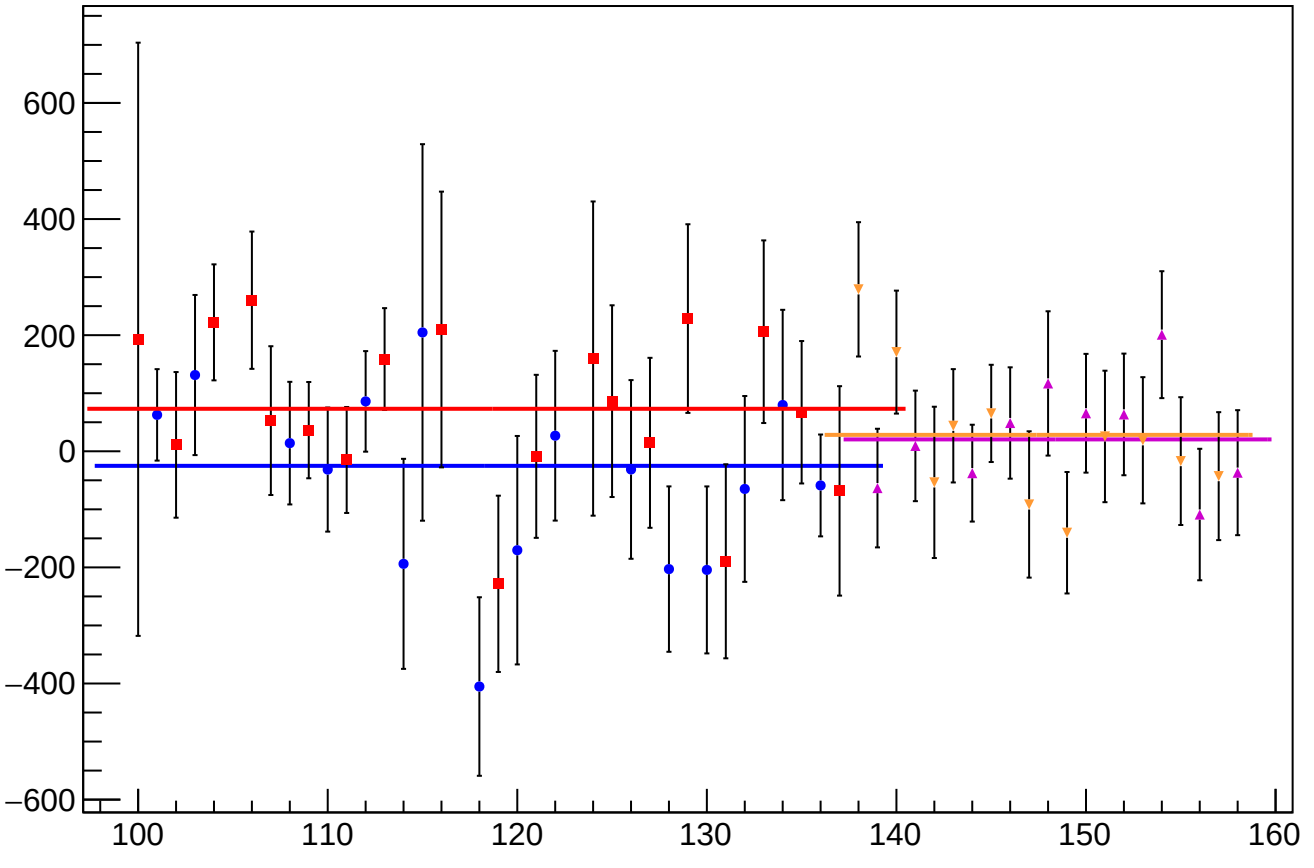
Left: 677.736+/-0.117 χ^2/NDF: 742947.0/20

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 662.946+/-0.122 χ^2/NDF:2193570.1/25

Out: 639.600+/-0.118 χ^2/NDF:2613268.8/29

All: 650.852+/-0.085 χ^2/NDF: 4825758.7/55



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.268+/-32.407 χ^2/NDF:11.2/10

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 20.440+/-32.309 χ^2/NDF:6.5/9

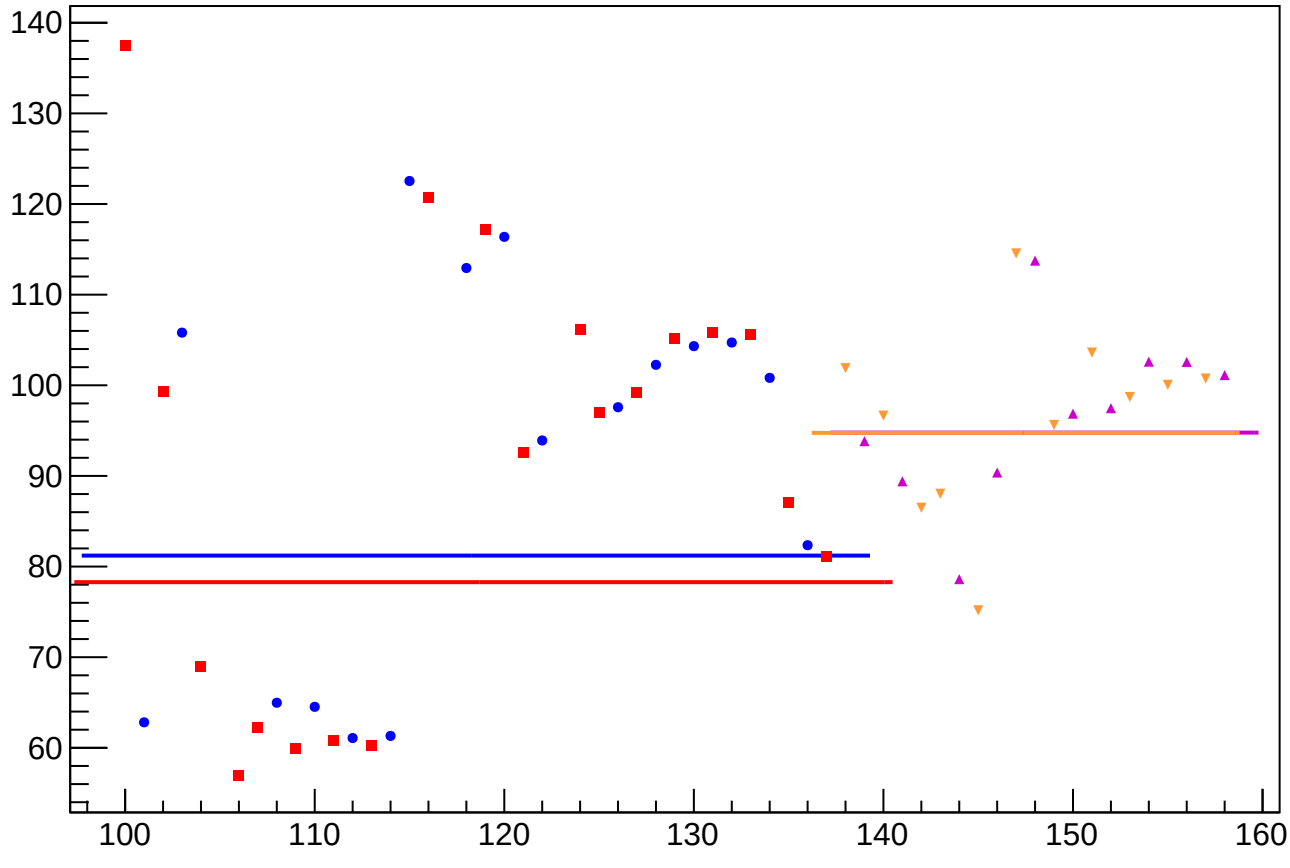
Left: 24.342+/-22.881 χ^2/NDF: 17.8/20

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -3.091+/-22.455 χ^2/NDF:23.8/25

Out: 52.508+/-21.990 χ^2/NDF:29.0/29

All: 25.290+/-15.711 χ^2/NDF: 55.9/55



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.754+/-0.023 χ^2/NDF:210058.1/10

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

Left: 94.767+/-0.016 χ^2/NDF: 371447.0/20

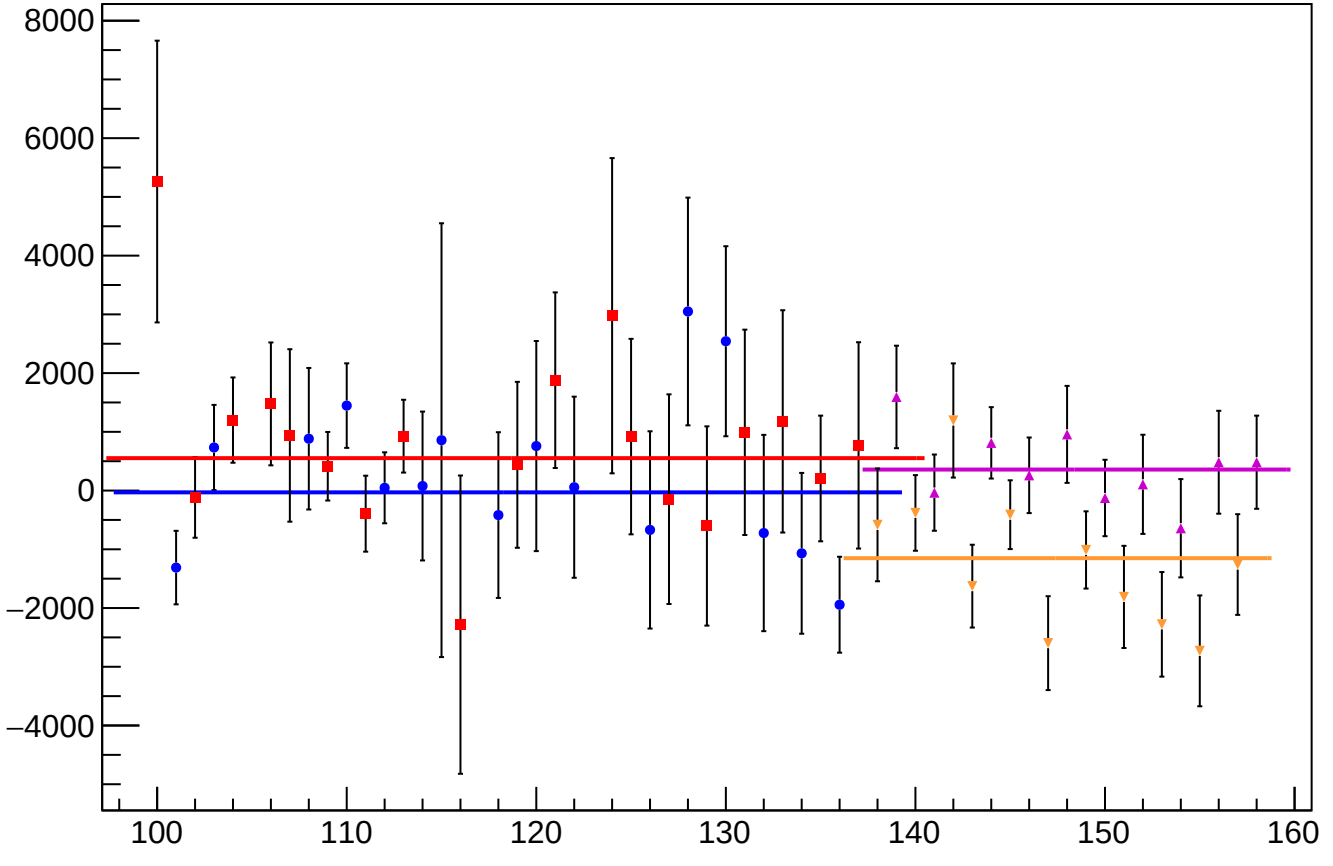
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 87.764+/-0.016 χ^2/NDF:1131464.4/25

Out: 85.865+/-0.016 χ^2/NDF:1425764.0/29

All: 86.795+/-0.011 χ^2/NDF: 2564532.0/55

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1150.937+/-232.960 χ^2/NDF:18.0/10

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 357.810+/-233.360 χ^2/NDF:5.6/9

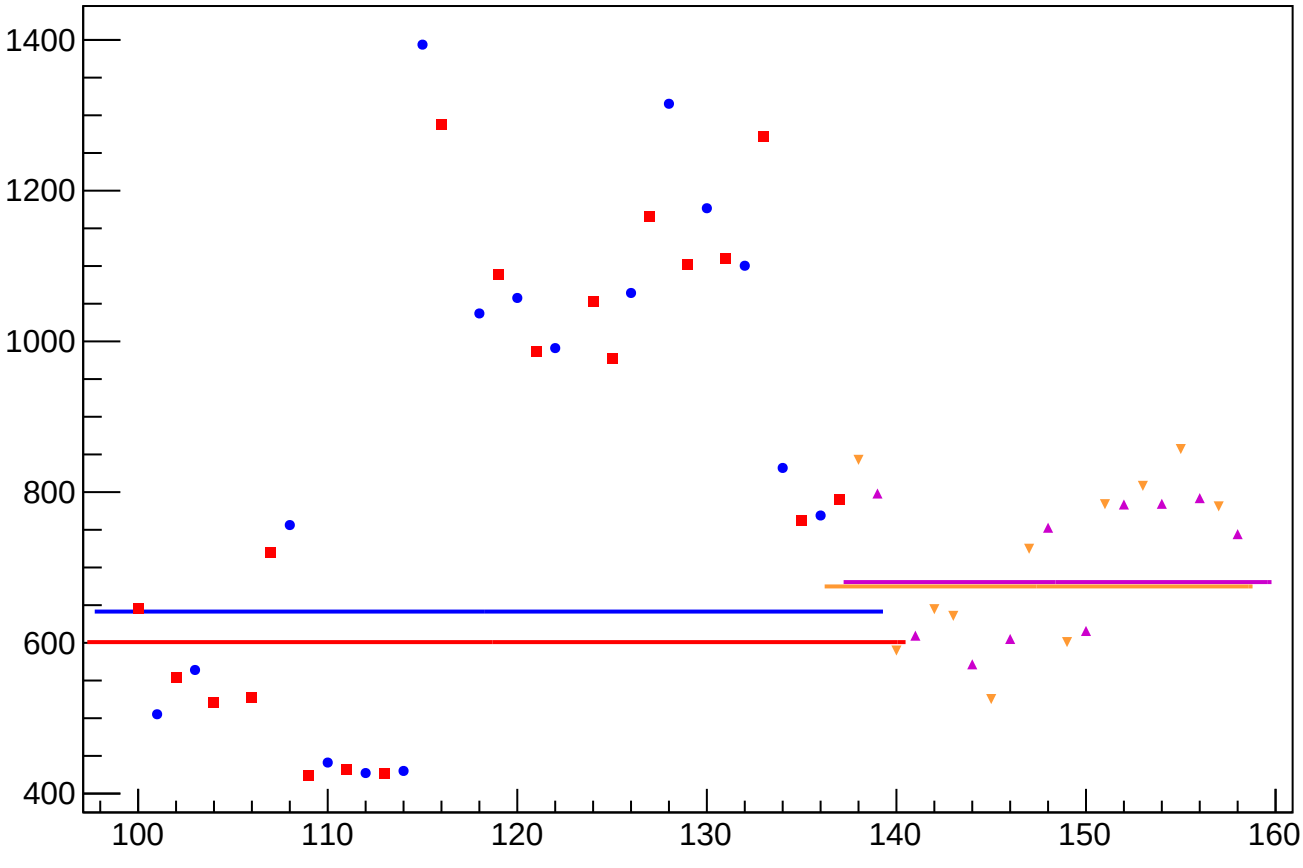
Left: -397.859+/-164.869 χ^2/NDF: 44.5/20

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 182.364+/-172.766 χ^2/NDF:28.7/25

Out: -320.003+/-166.699 χ^2/NDF:56.8/29

All: -77.794+/-119.962 χ^2/NDF: 89.9/55



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 674.851+/-0.165 χ^2/NDF:449169.7/10

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 680.630+/-0.165 χ^2/NDF:293162.7/9

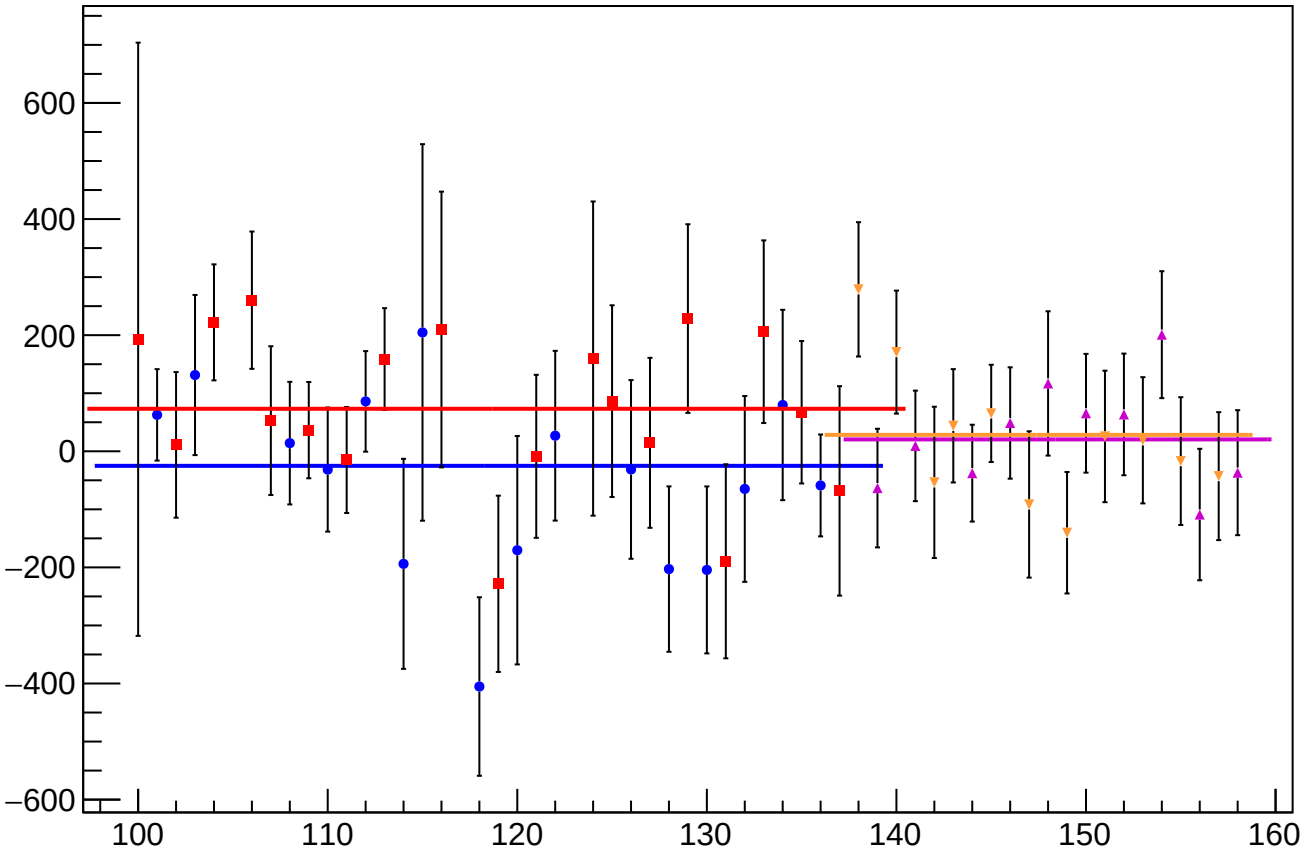
Left: 677.736+/-0.117 χ^2/NDF: 742946.8/20

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 662.951+/-0.122 χ^2/NDF:2193515.4/25

Out: 638.803+/-0.118 χ^2/NDF:2624544.1/29

All: 650.446+/-0.085 χ^2/NDF: 4838293.6/55



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.268+/-32.407 χ^2/NDF:11.2/10

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 20.440+/-32.309 χ^2/NDF:6.5/9

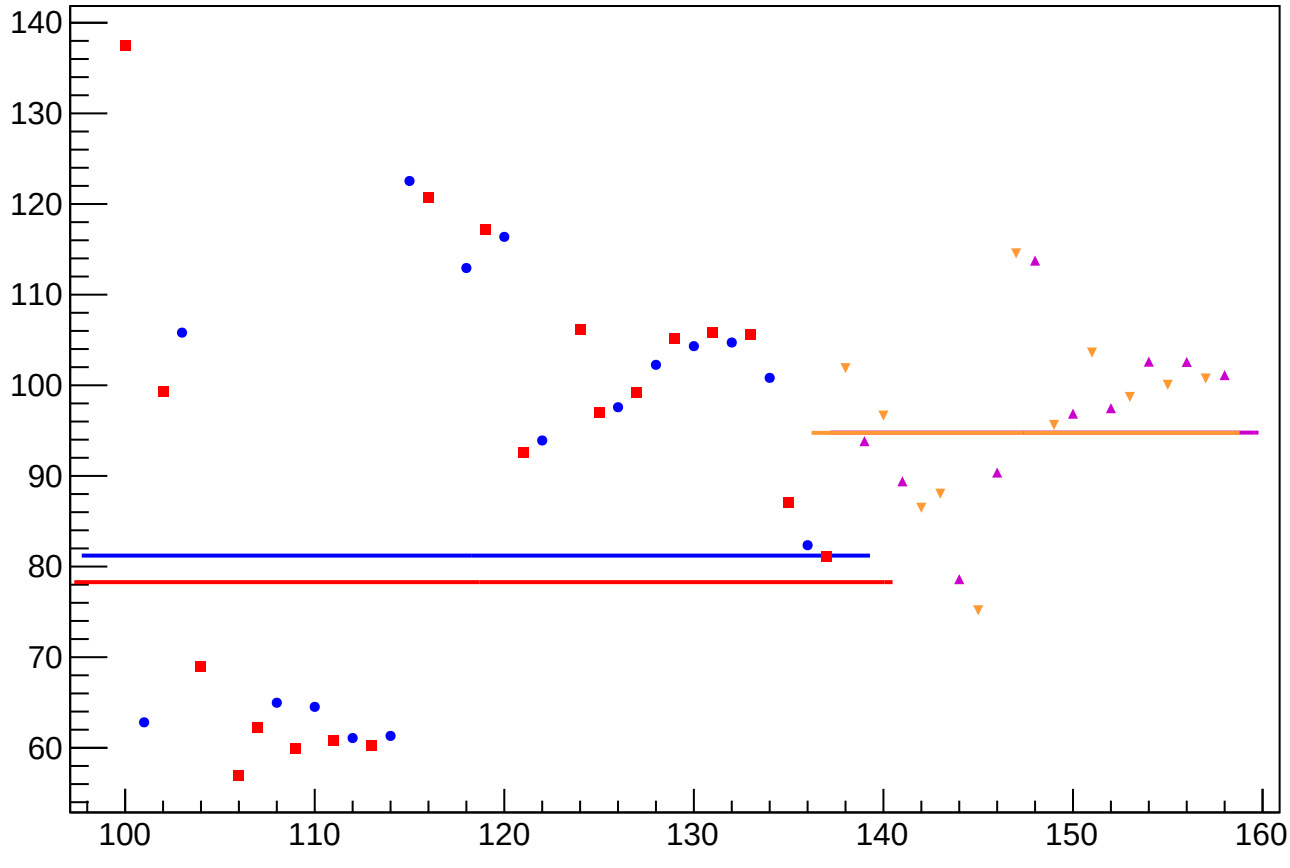
Left: 24.342+/-22.881 χ^2/NDF: 17.8/20

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -3.091+/-22.455 χ^2/NDF:23.8/25

Out: 52.508+/-21.990 χ^2/NDF:29.0/29

All: 25.290+/-15.711 χ^2/NDF: 55.9/55



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.754+/-0.023 χ^2/NDF:210058.1/10

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

Left: 94.767+/-0.016 χ^2/NDF: 371447.0/20

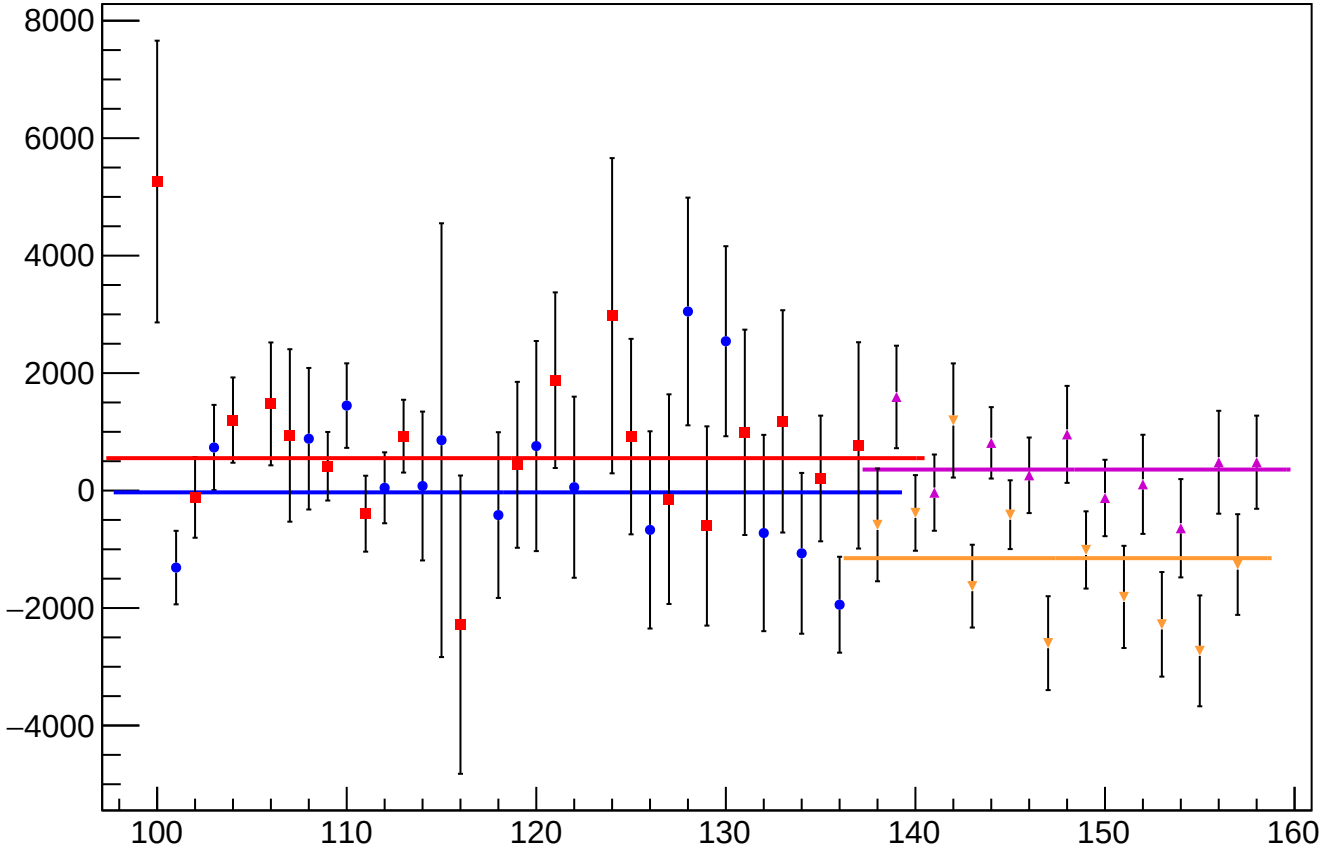
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 87.764+/-0.016 χ^2/NDF:1131464.4/25

Out: 85.865+/-0.016 χ^2/NDF:1425764.0/29

All: 86.795+/-0.011 χ^2/NDF: 2564532.0/55

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: -1150.937+/-232.960 χ^2/NDF:18.0/10

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 357.810+/-233.360 χ^2/NDF:5.6/9

Left: -397.859+/-164.869 χ^2/NDF: 44.5/20

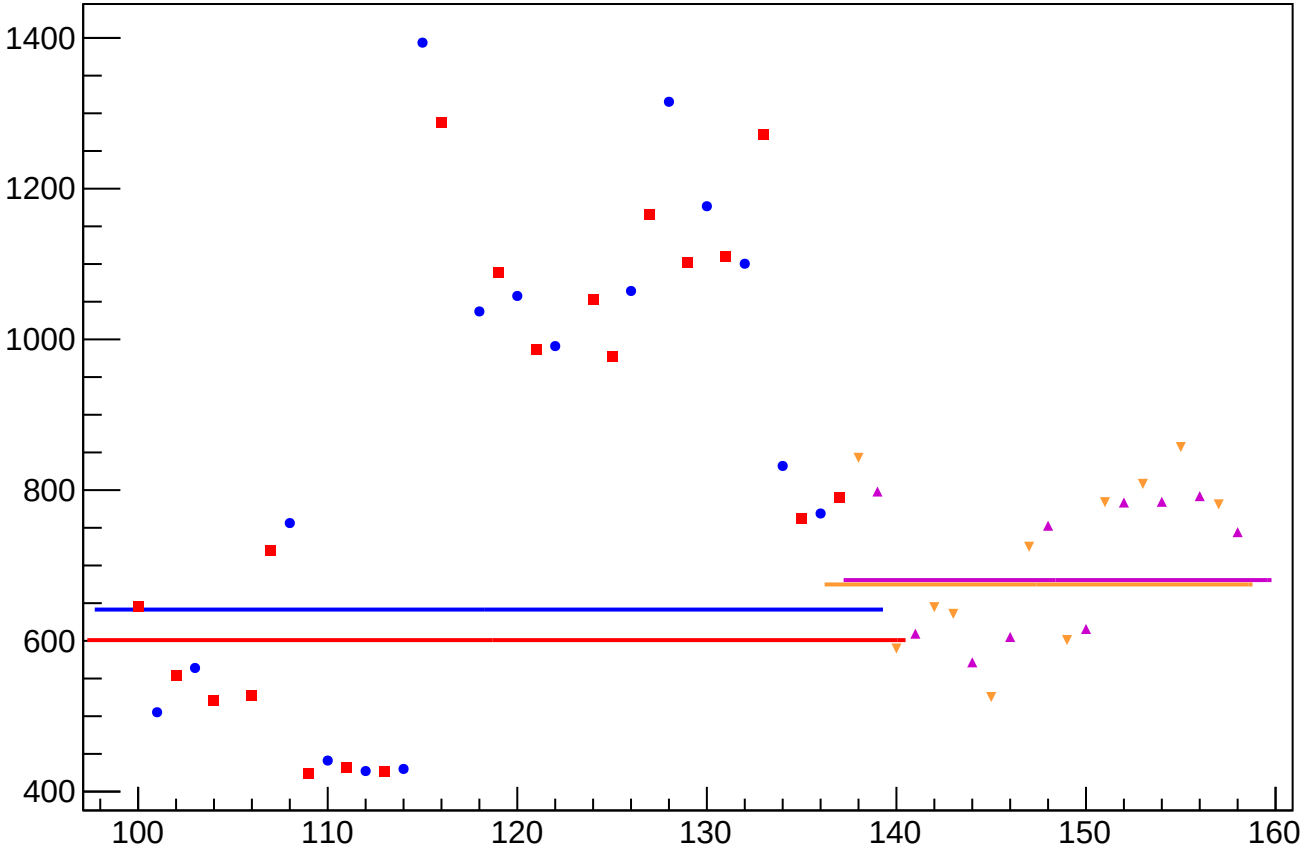
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 182.364+/-172.766 χ^2/NDF:28.7/25

Out: -320.003+/-166.699 χ^2/NDF:56.8/29

All: -77.794+/-119.962 χ^2/NDF: 89.9/55

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: 674.851+/-0.165 χ^2/NDF:449169.7/10

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 680.630+/-0.165 χ^2/NDF:293162.7/9

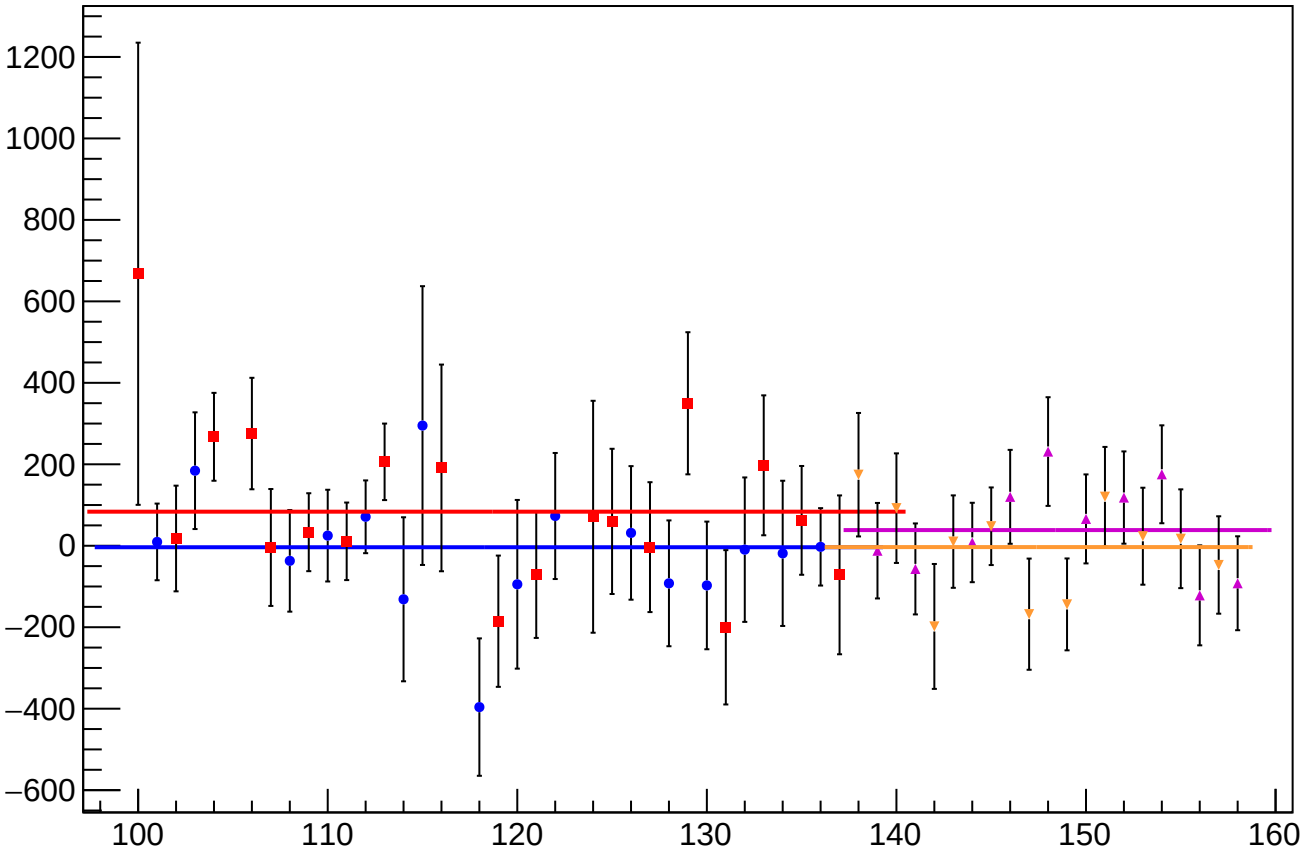
Left: 677.736+/-0.117 χ^2/NDF: 742946.8/20

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 662.951+/-0.122 χ^2/NDF:2193515.4/25

Out: 638.803+/-0.118 χ^2/NDF:2624544.1/29

All: 650.446+/-0.085 χ^2/NDF: 4838293.6/55



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.277+/-36.840 χ^2/NDF:8.0/10

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 38.484+/-36.223 χ^2/NDF:8.4/9

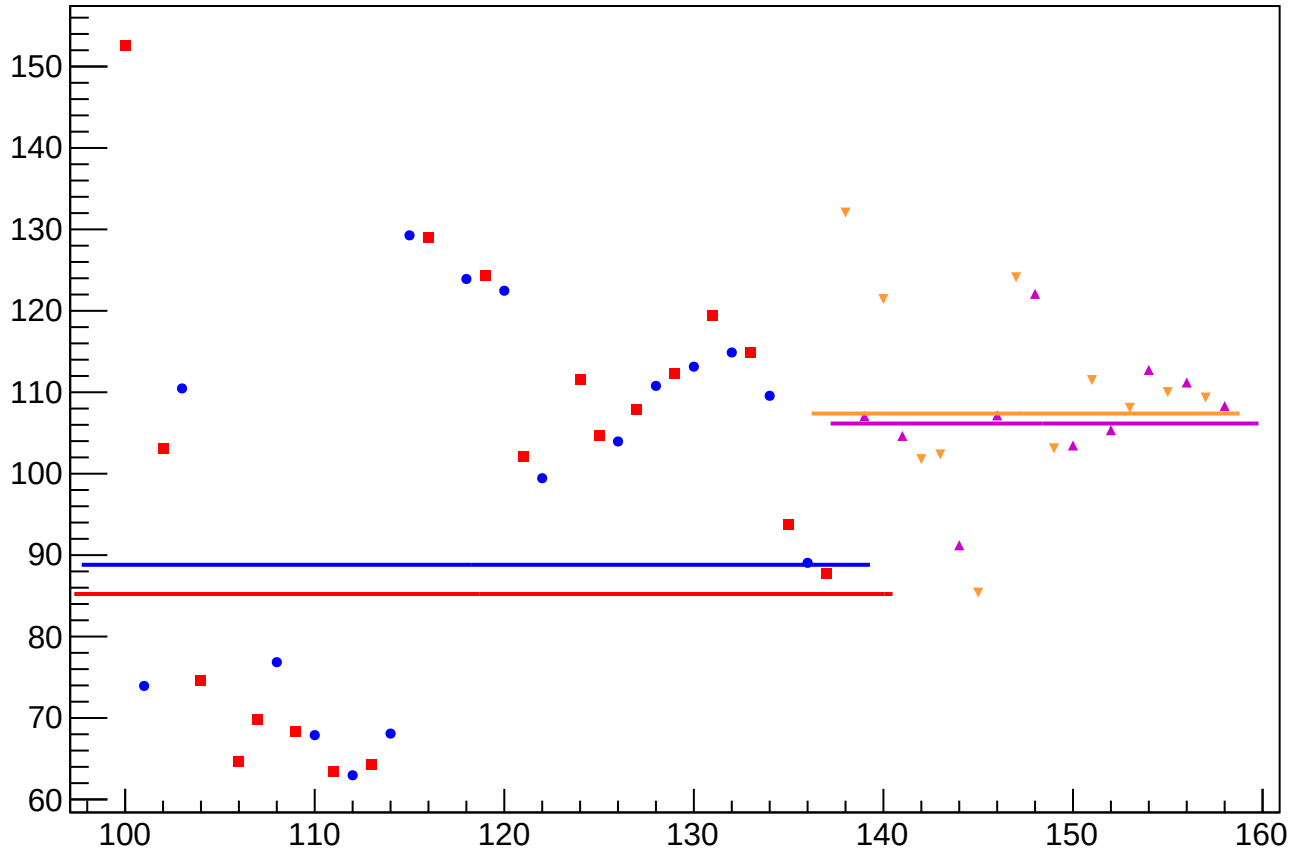
Left: 17.956+/-25.829 χ^2/NDF: 17.1/20

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 16.187+/-24.849 χ^2/NDF:19.5/25

Out: 45.446+/-24.427 χ^2/NDF:30.2/29

All: 31.067+/-17.420 χ^2/NDF: 50.4/55



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.388+/-0.026 χ^2/NDF:224651.6/10

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 106.163+/-0.026 χ^2/NDF:87552.8/9

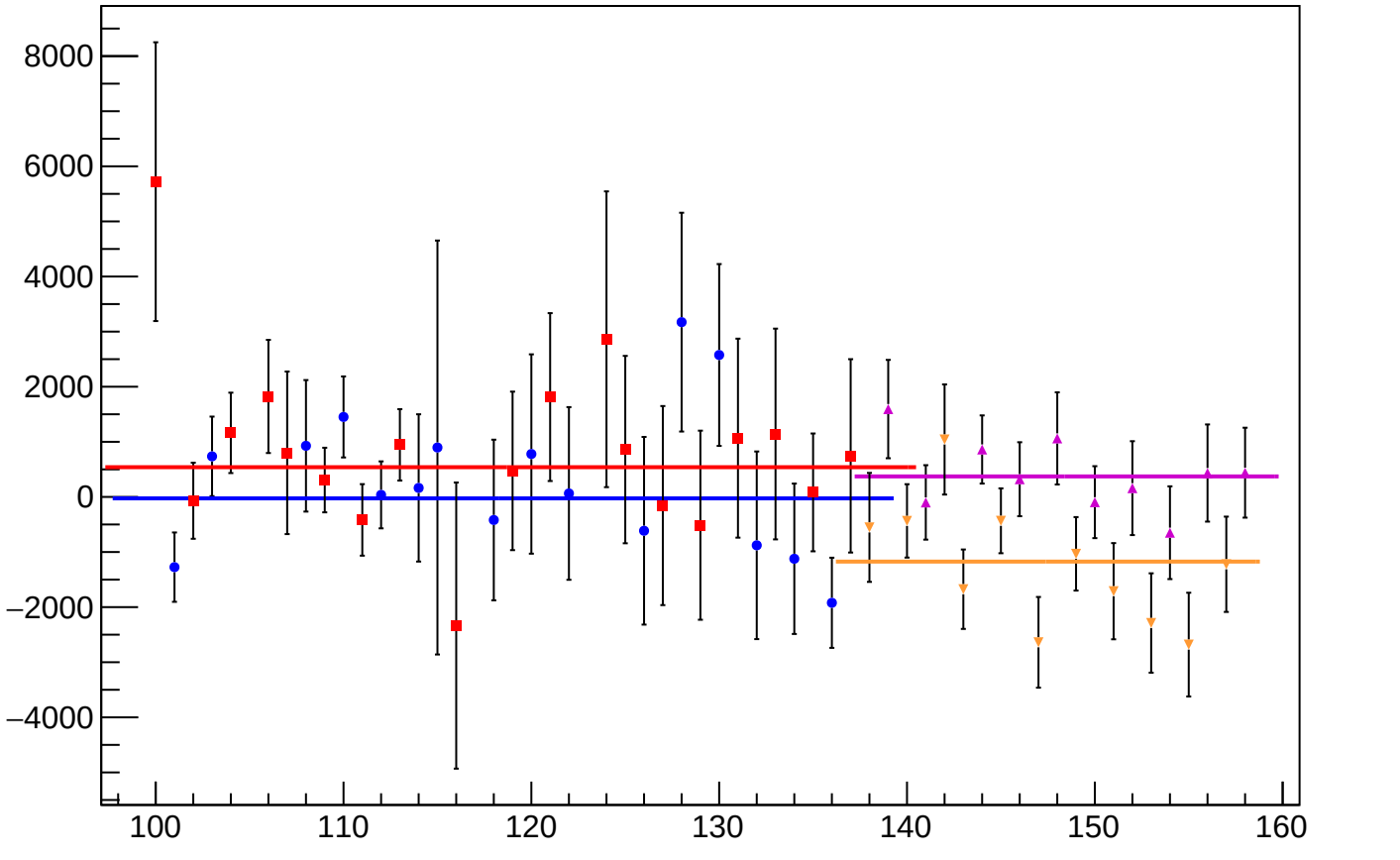
Left: 106.765+/-0.018 χ^2/NDF: 313330.0/20

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 96.978+/-0.018 χ^2/NDF:1055056.8/25

Out: 94.969+/-0.017 χ^2/NDF:1514356.1/29

All: 95.956+/-0.012 χ^2/NDF: 2576060.2/55



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1173.508+/-236.845 χ^2/NDF:16.3/10

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 372.308+/-238.136 χ^2/NDF:5.7/9

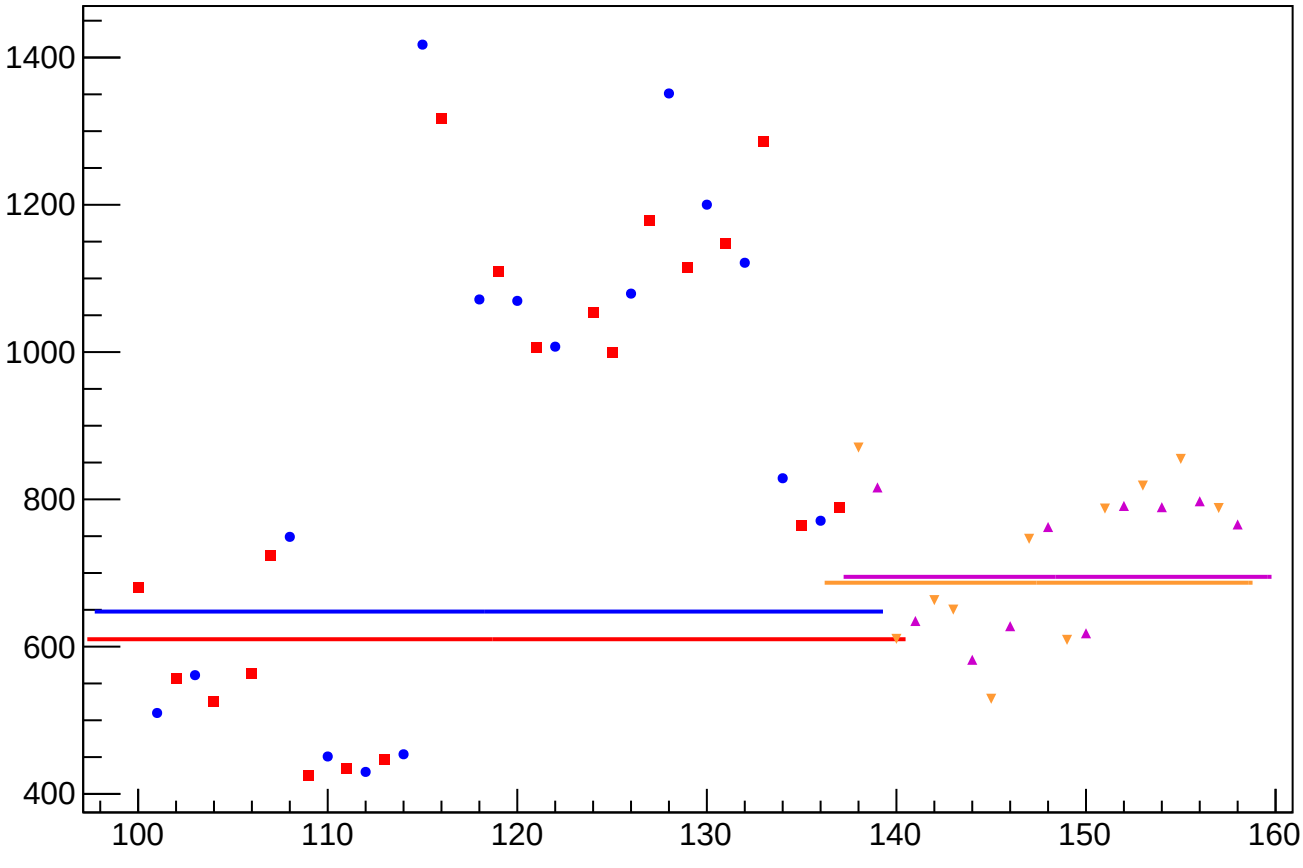
Left: -404.800+/-167.929 χ^2/NDF: 43.2/20

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 190.252+/-175.424 χ^2/NDF:28.6/25

Out: -332.678+/-169.007 χ^2/NDF:55.6/29

All: -80.953+/-121.711 χ^2/NDF: 88.8/55



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 686.807+/-0.167 χ^2/NDF:443042.0/10

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 694.795+/-0.168 χ^2/NDF:272769.1/9

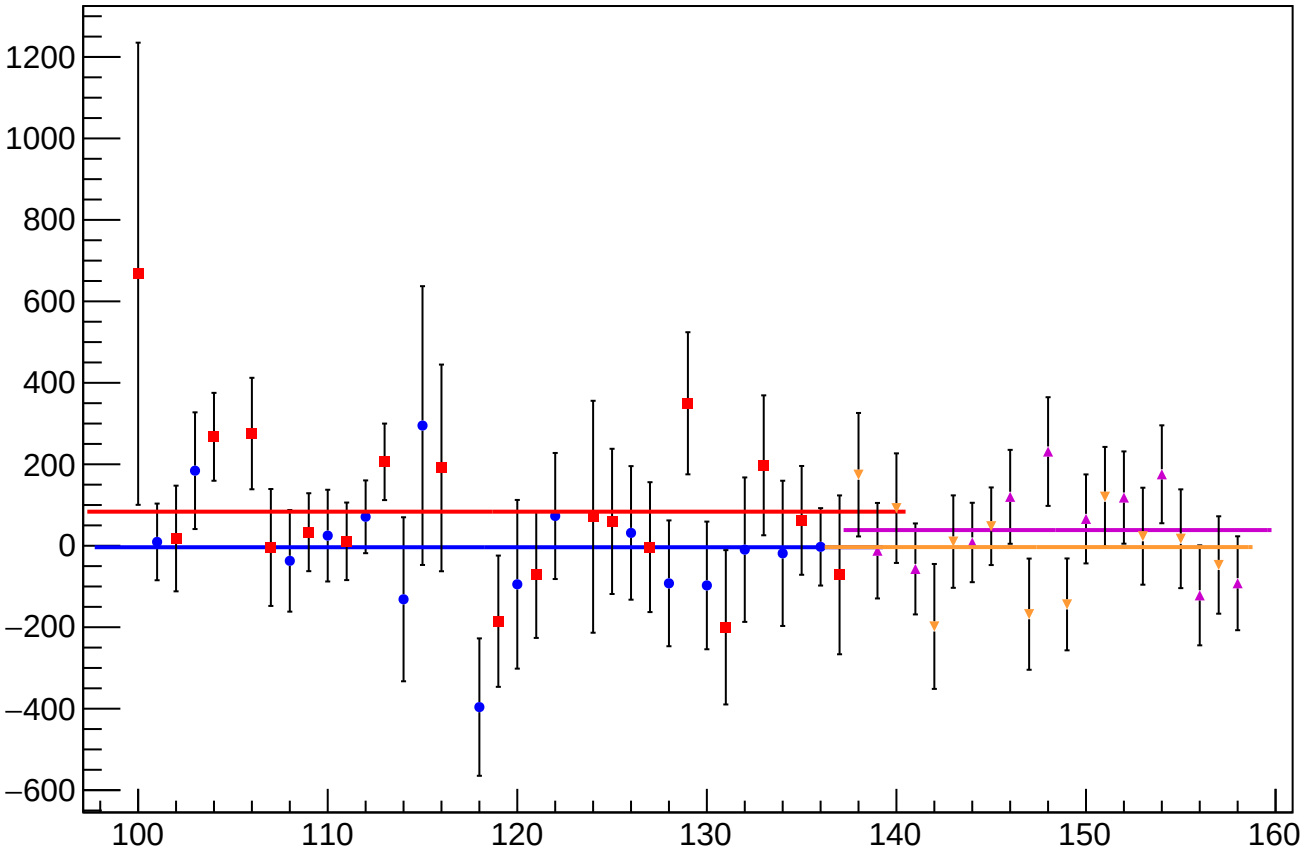
Left: 690.780+/-0.119 χ^2/NDF: 716942.4/20

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 673.230+/-0.124 χ^2/NDF:2196449.6/25

Out: 649.139+/-0.120 χ^2/NDF:2620361.0/29

All: 660.736+/-0.086 χ^2/NDF: 4836372.0/55



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.277+/-36.840 χ^2/NDF:8.0/10

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 38.485+/-36.223 χ^2/NDF:8.4/9

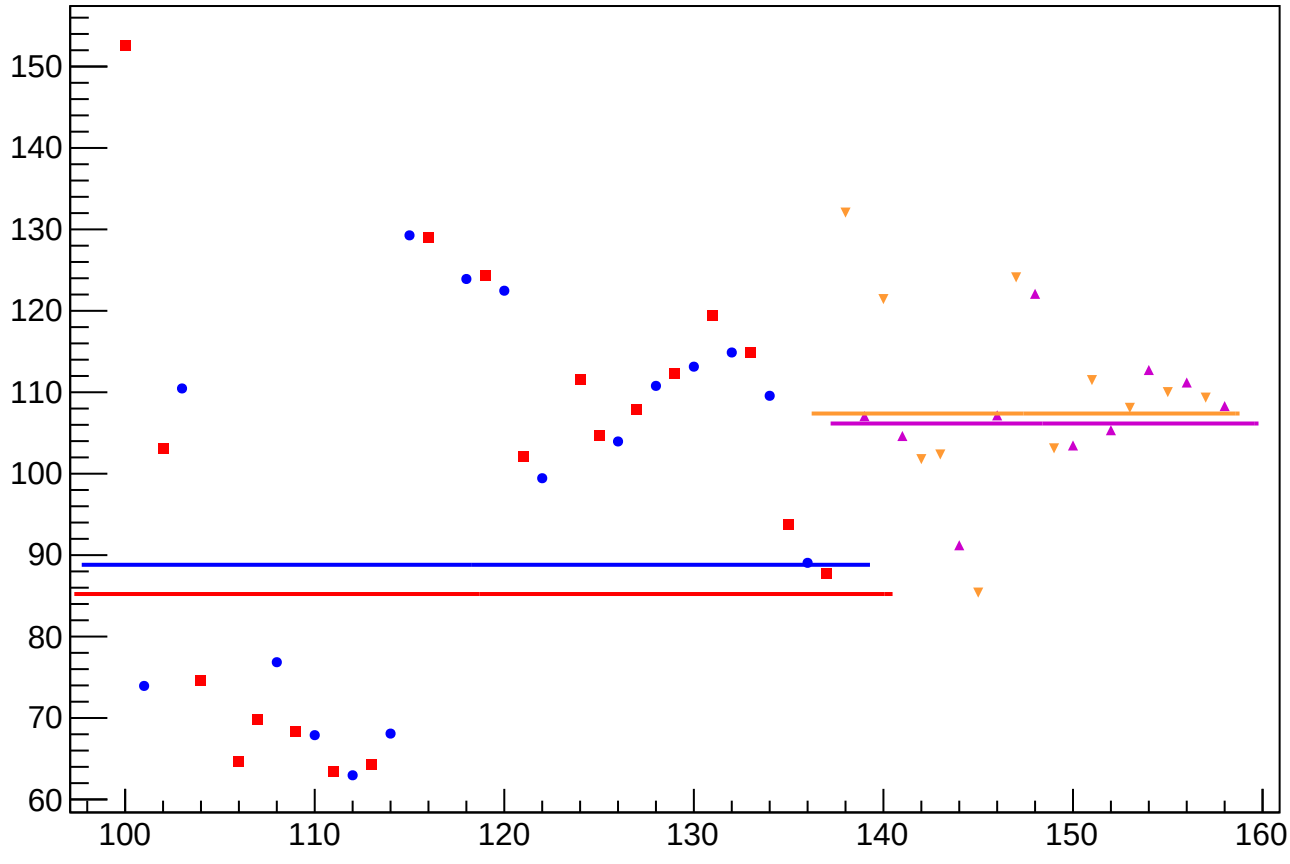
Left: 17.957+/-25.829 χ^2/NDF: 17.1/20

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 16.188+/-24.849 χ^2/NDF:19.5/25

Out: 45.446+/-24.427 χ^2/NDF:30.2/29

All: 31.067+/-17.420 χ^2/NDF: 50.4/55



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.389+/-0.026 χ^2/NDF:224650.0/10

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 106.163+/-0.026 χ^2/NDF:87552.3/9

Left: 106.766+/-0.018 χ^2/NDF: 313327.8/20

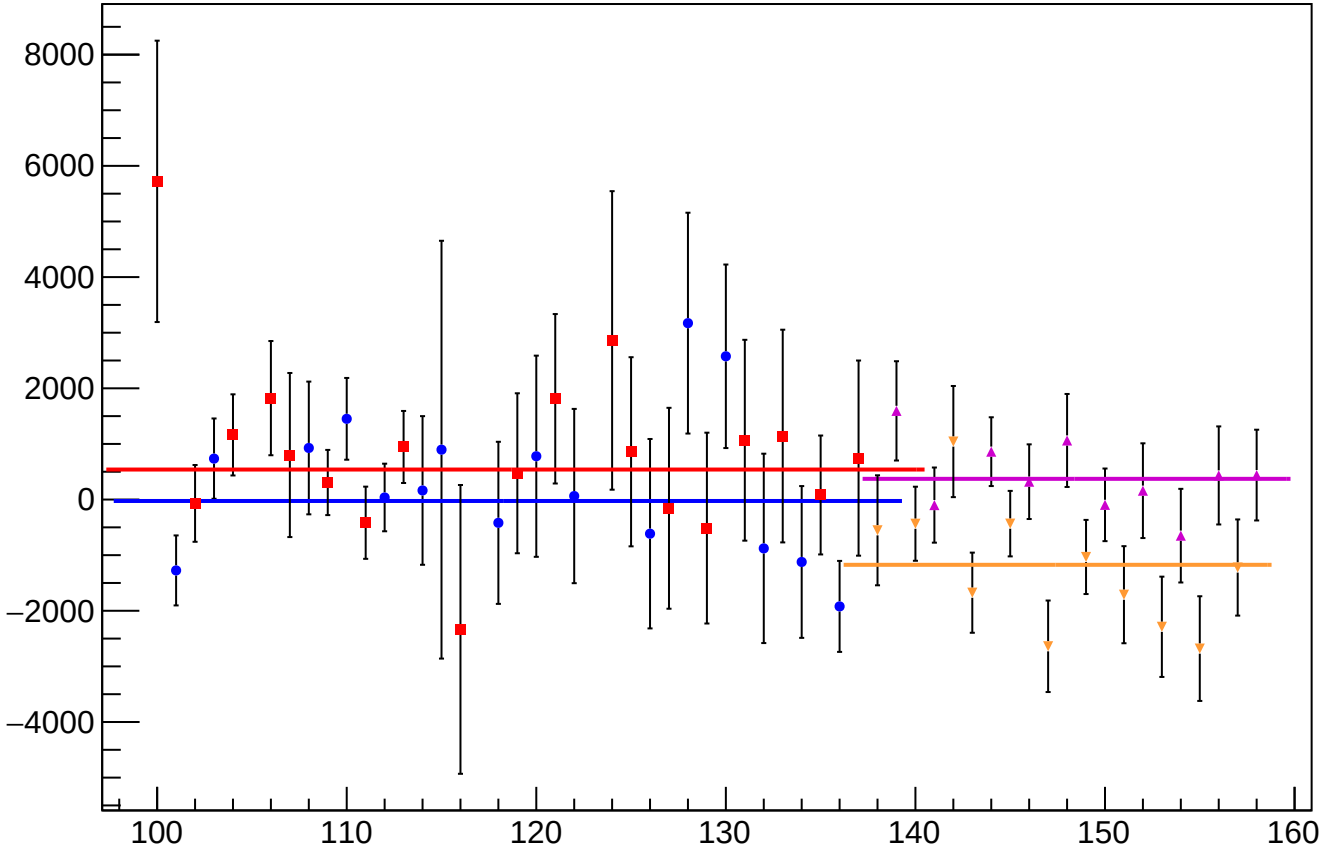
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 96.978+/-0.018 χ^2/NDF:1055062.9/25

Out: 94.969+/-0.017 χ^2/NDF:1514365.6/29

All: 95.957+/-0.012 χ^2/NDF: 2576075.9/55

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1173.507+/-236.845 χ^2/NDF:16.3/10

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 372.307+/-238.136 χ^2/NDF:5.7/9

Left: -404.800+/-167.929 χ^2/NDF: 43.2/20

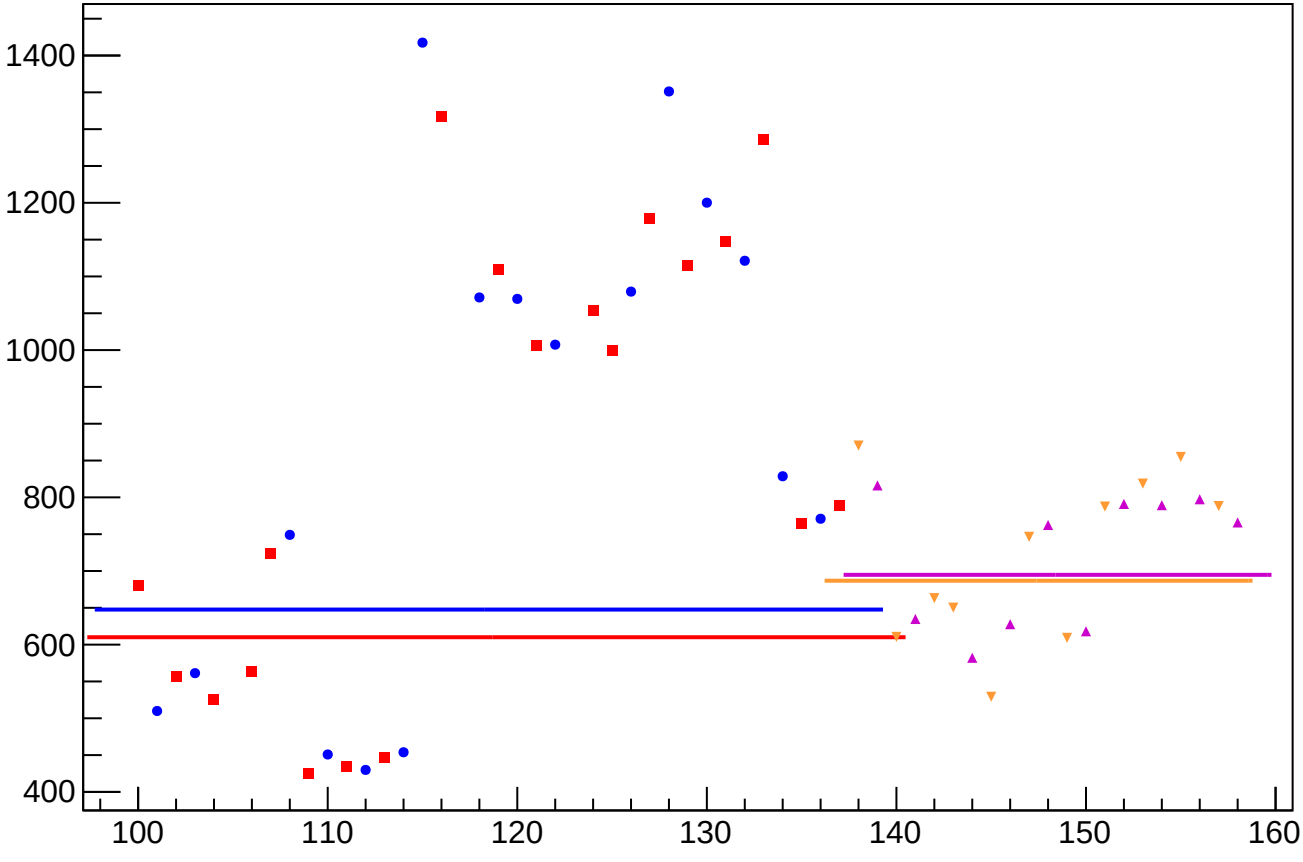
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 190.252+/-175.424 χ^2/NDF:28.6/25

Out: -332.677+/-169.006 χ^2/NDF:55.6/29

All: -80.953+/-121.711 χ^2/NDF: 88.8/55

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: 686.807+/-0.167 χ^2/NDF:443043.3/10

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 694.795+/-0.168 χ^2/NDF:272767.2/9

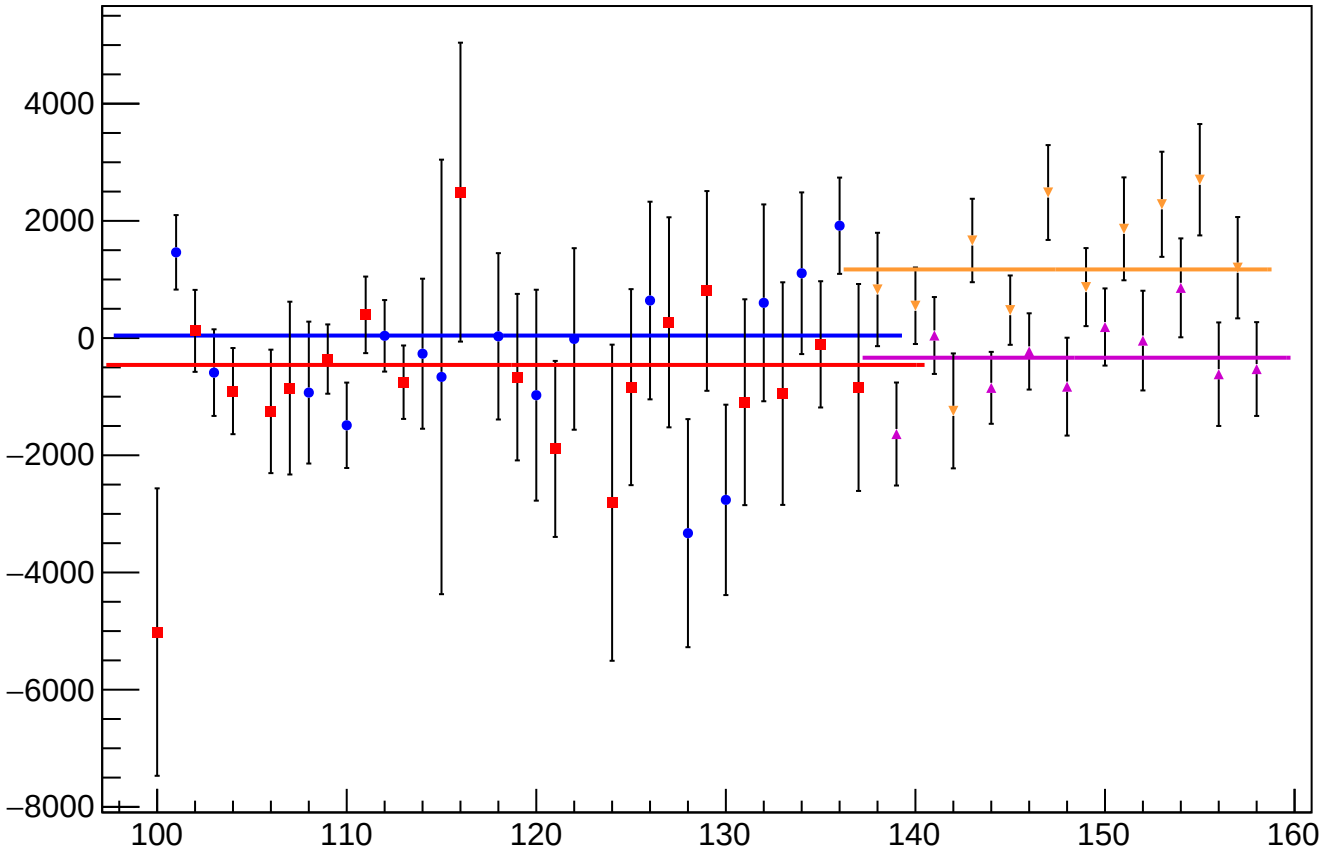
Left: 690.779+/-0.119 χ^2/NDF: 716941.9/20

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 673.229+/-0.124 χ^2/NDF:2196453.6/25

Out: 649.139+/-0.120 χ^2/NDF:2620366.2/29

All: 660.735+/-0.086 χ^2/NDF: 4836381.4/55



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1171.442+/-235.361 χ^2/NDF:16.5/10

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -335.078+/-235.695 χ^2/NDF:6.5/9

Left: 419.251+/-166.543 χ^2/NDF: 43.5/20

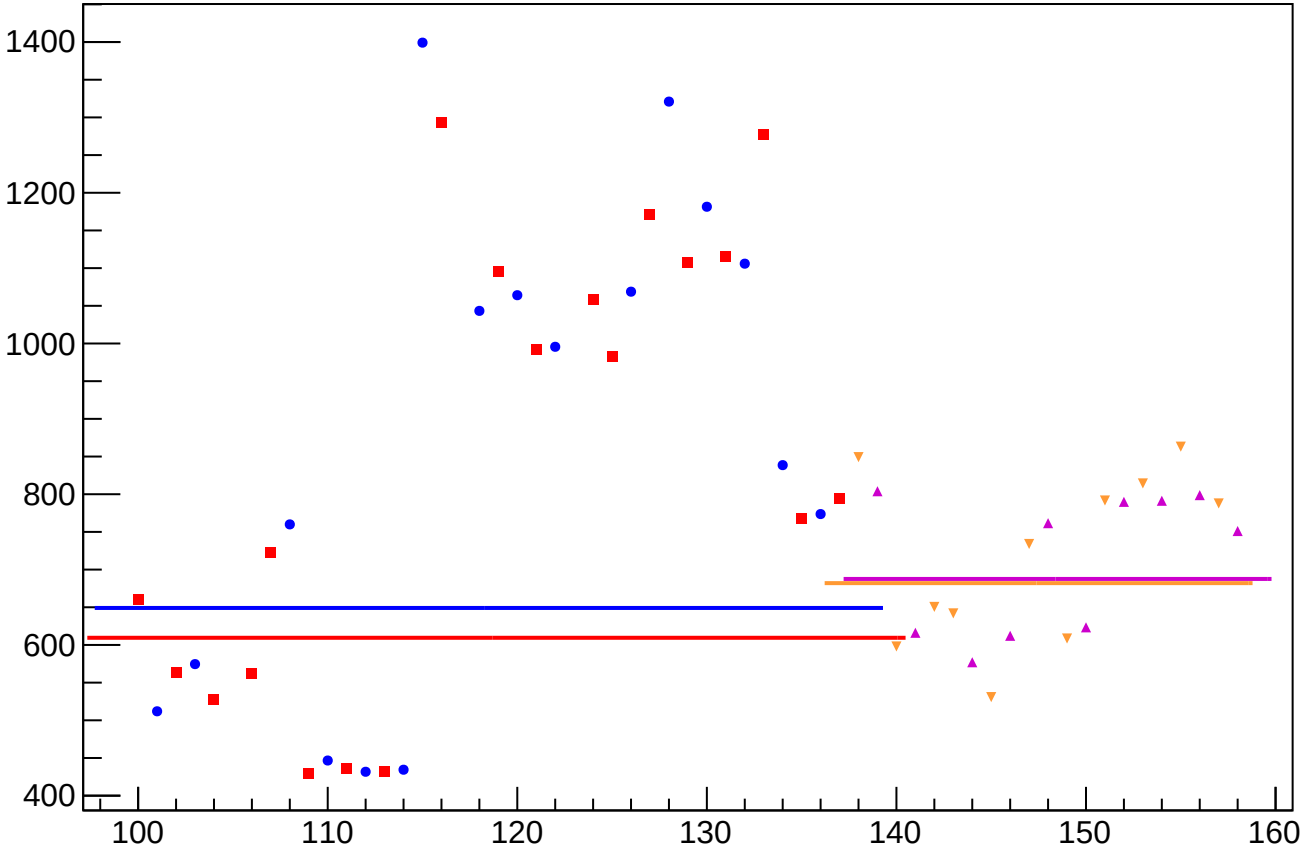
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -164.317+/-174.562 χ^2/NDF:30.9/25

Out: 376.351+/-168.424 χ^2/NDF:51.2/29

All: 115.690+/-121.205 χ^2/NDF: 87.0/55

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 682.020+/-0.166 χ^2/NDF:441816.5/10

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 687.585+/-0.167 χ^2/NDF:288685.5/9

Left: 684.799+/-0.118 χ^2/NDF: 731060.2/20

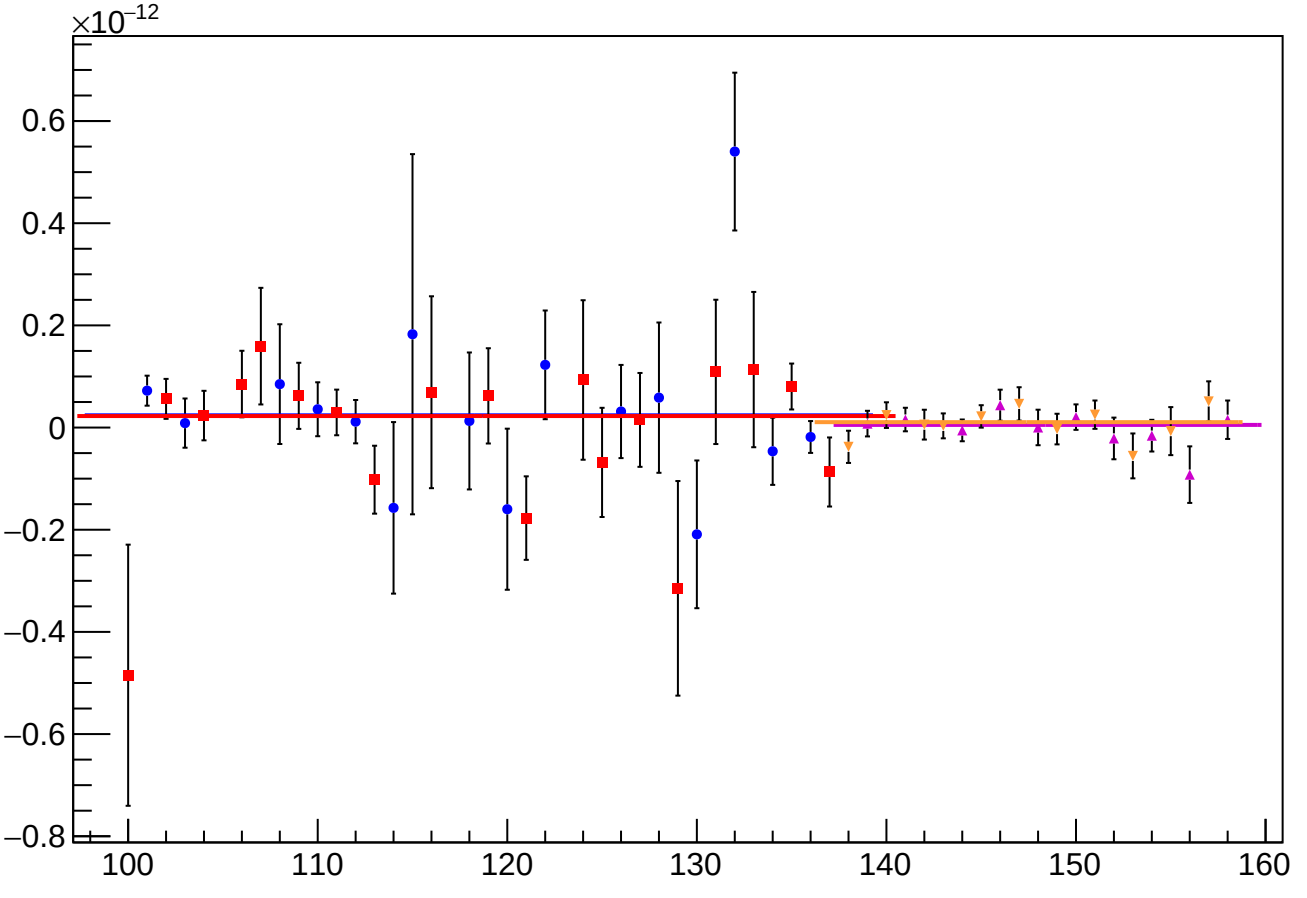
Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 670.206+/-0.123 χ^2/NDF:2158586.8/25

Out: 646.644+/-0.119 χ^2/NDF:2578012.5/29

All: 658.004+/-0.086 χ^2/NDF: 4755469.7/55

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/9

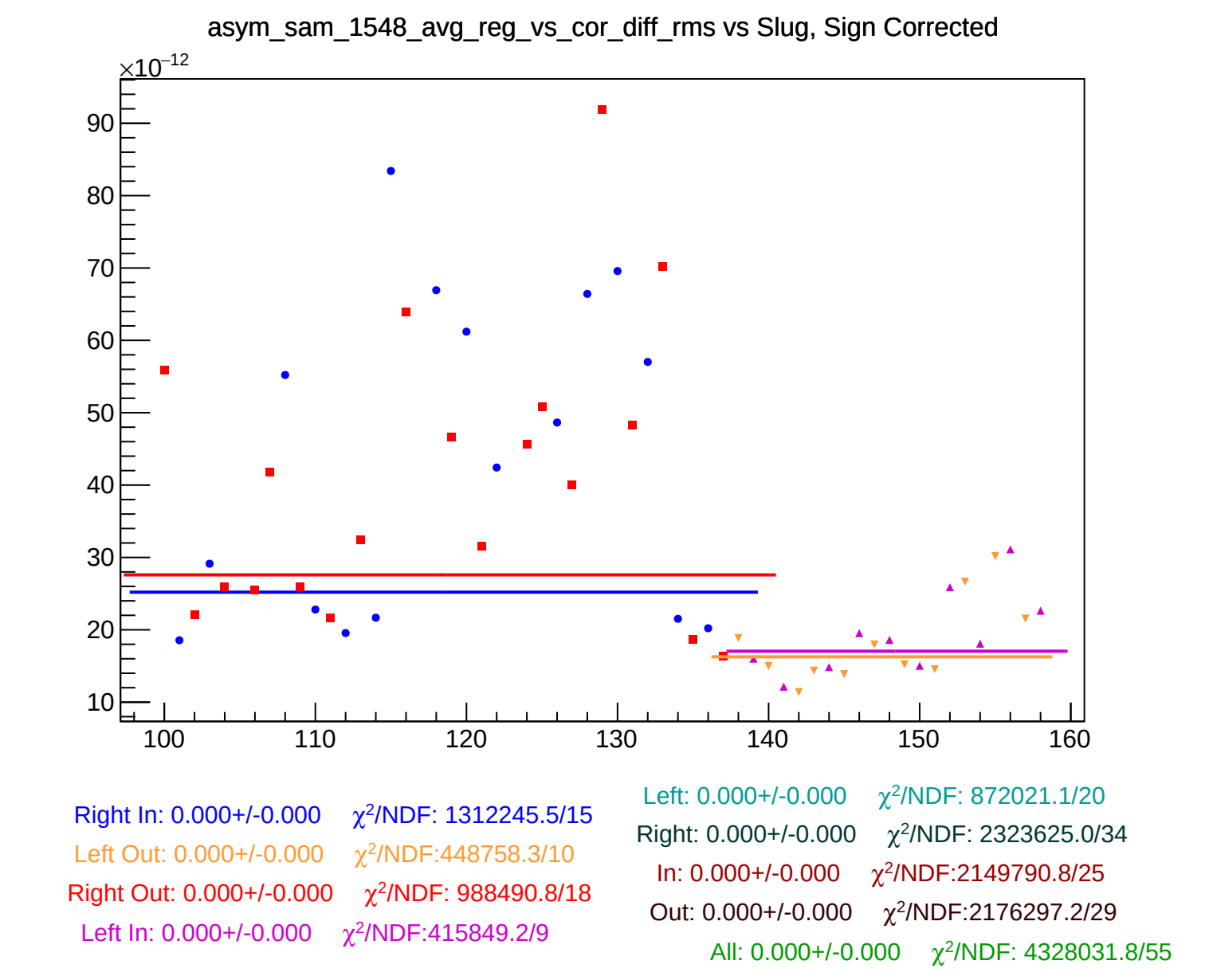
Left: 0.000+/-0.000 χ^2/NDF: 14.9/20

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:31.3/25

Out: 0.000+/-0.000 χ^2/NDF:34.3/29

All: 0.000+/-0.000 χ^2/NDF: 65.6/55


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
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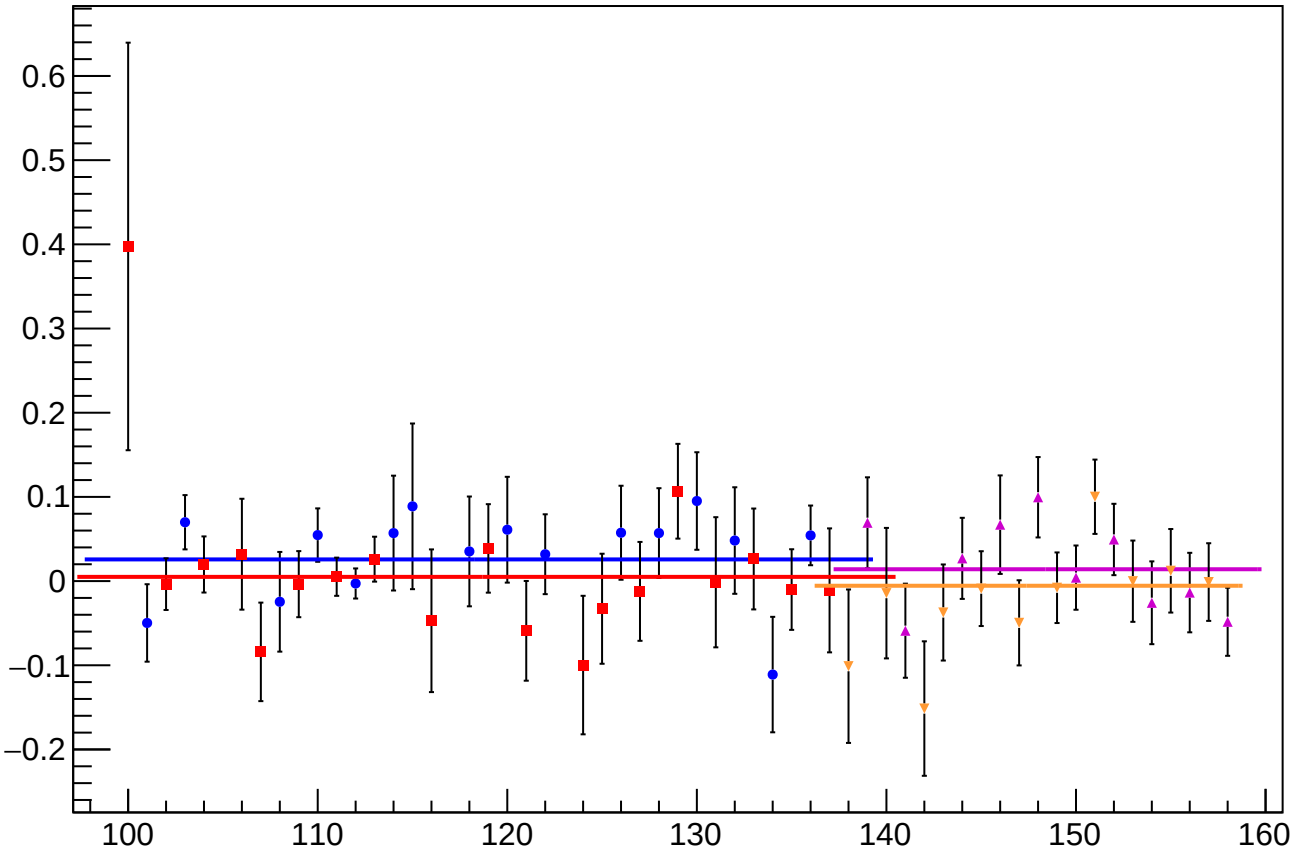
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:448758.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:415849.2/9
Left: 0.000+/-0.000 χ²/NDF: 872021.1/20
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2149790.8/25
Out: 0.000+/-0.000 χ²/NDF:2176297.2/29
All: 0.000+/-0.000 χ²/NDF: 4328031.8/55



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.014+/-0.015 χ^2/NDF:11.0/9

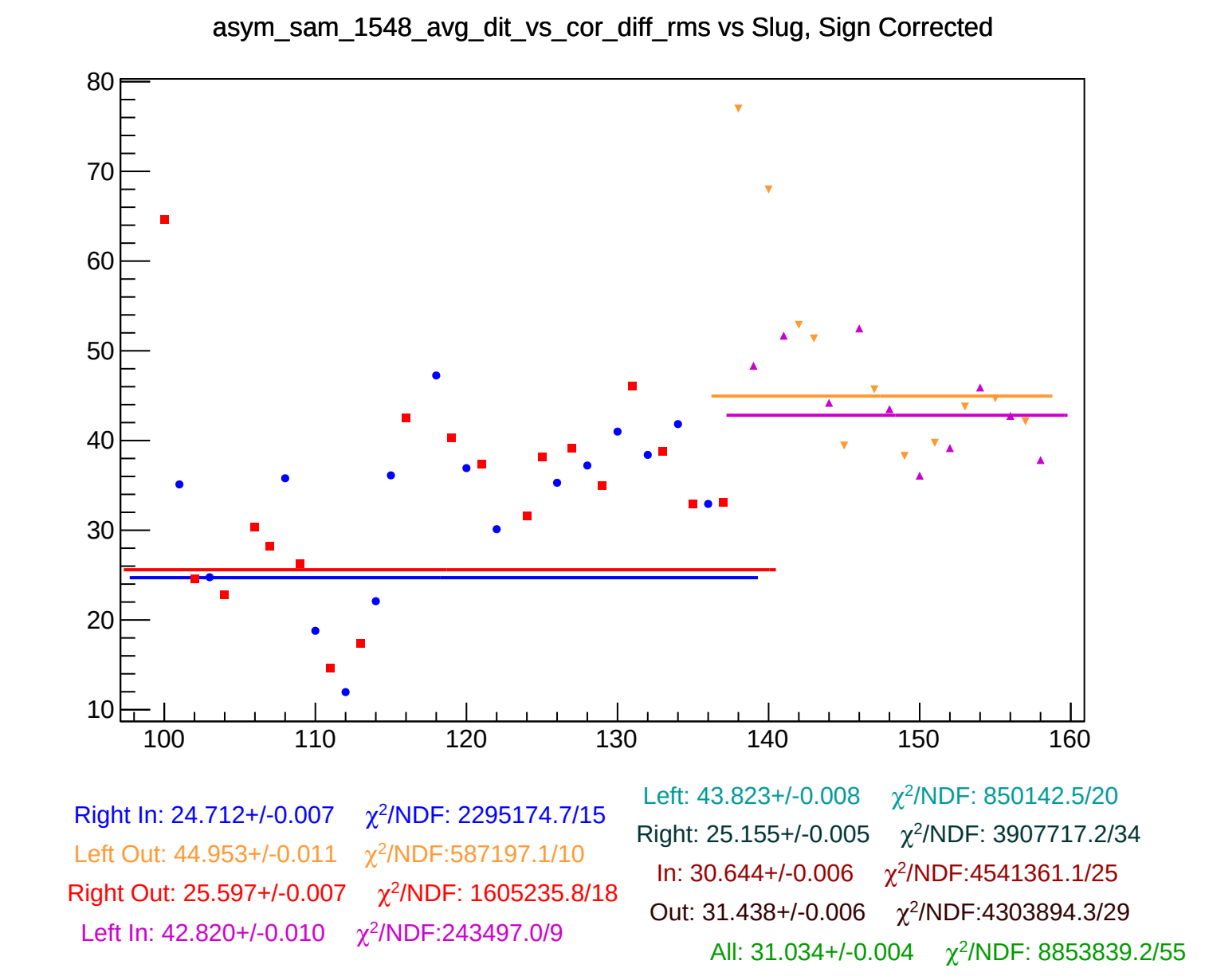
Left: 0.005+/-0.011 χ^2/NDF: 23.2/20

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.022+/-0.008 χ^2/NDF:27.9/25

Out: 0.002+/-0.009 χ^2/NDF:25.3/29

All: 0.012+/-0.006 χ^2/NDF: 56.0/55


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
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110
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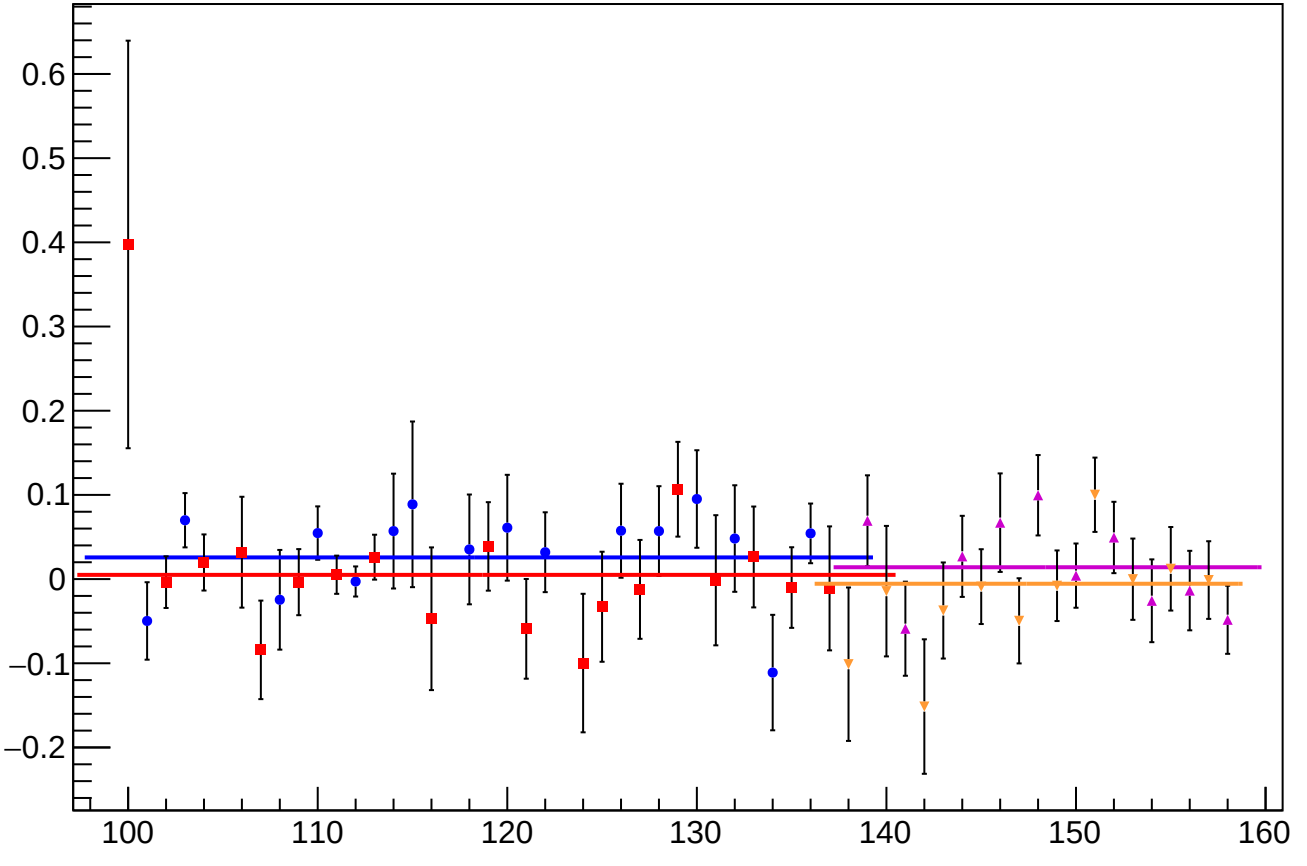
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 44.953+/-0.011 χ²/NDF:587197.1/10
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.820+/-0.010 χ²/NDF:243497.0/9
Left: 43.823+/-0.008 χ²/NDF: 850142.5/20
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 30.644+/-0.006 χ²/NDF:4541361.1/25
Out: 31.438+/-0.006 χ²/NDF:4303894.3/29
All: 31.034+/-0.004 χ²/NDF: 8853839.2/55

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.014+/-0.015 χ^2/NDF:11.0/9

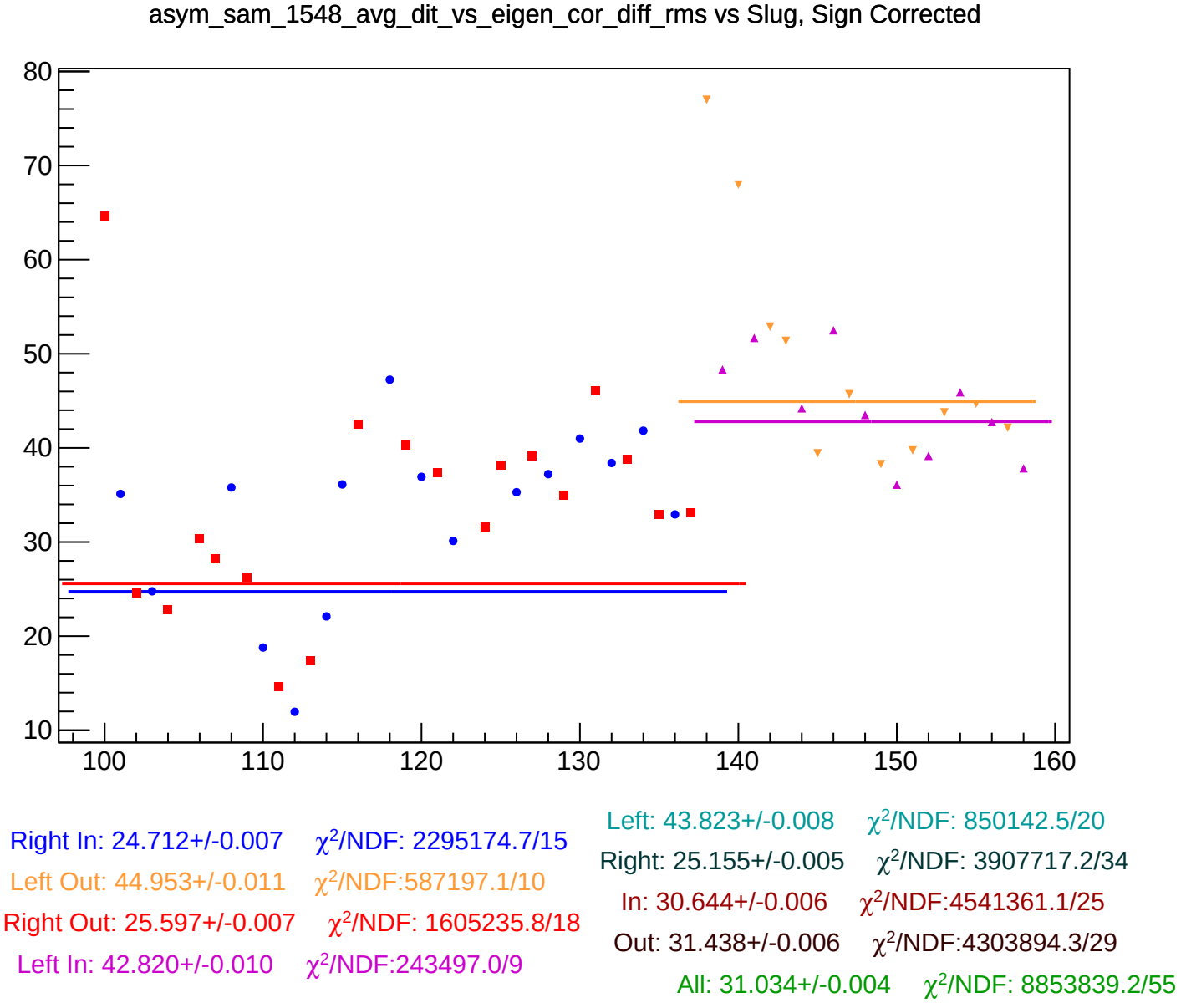
Left: 0.005+/-0.011 χ^2/NDF: 23.2/20

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.022+/-0.008 χ^2/NDF:27.9/25

Out: 0.002+/-0.009 χ^2/NDF:25.3/29

All: 0.012+/-0.006 χ^2/NDF: 56.0/55


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
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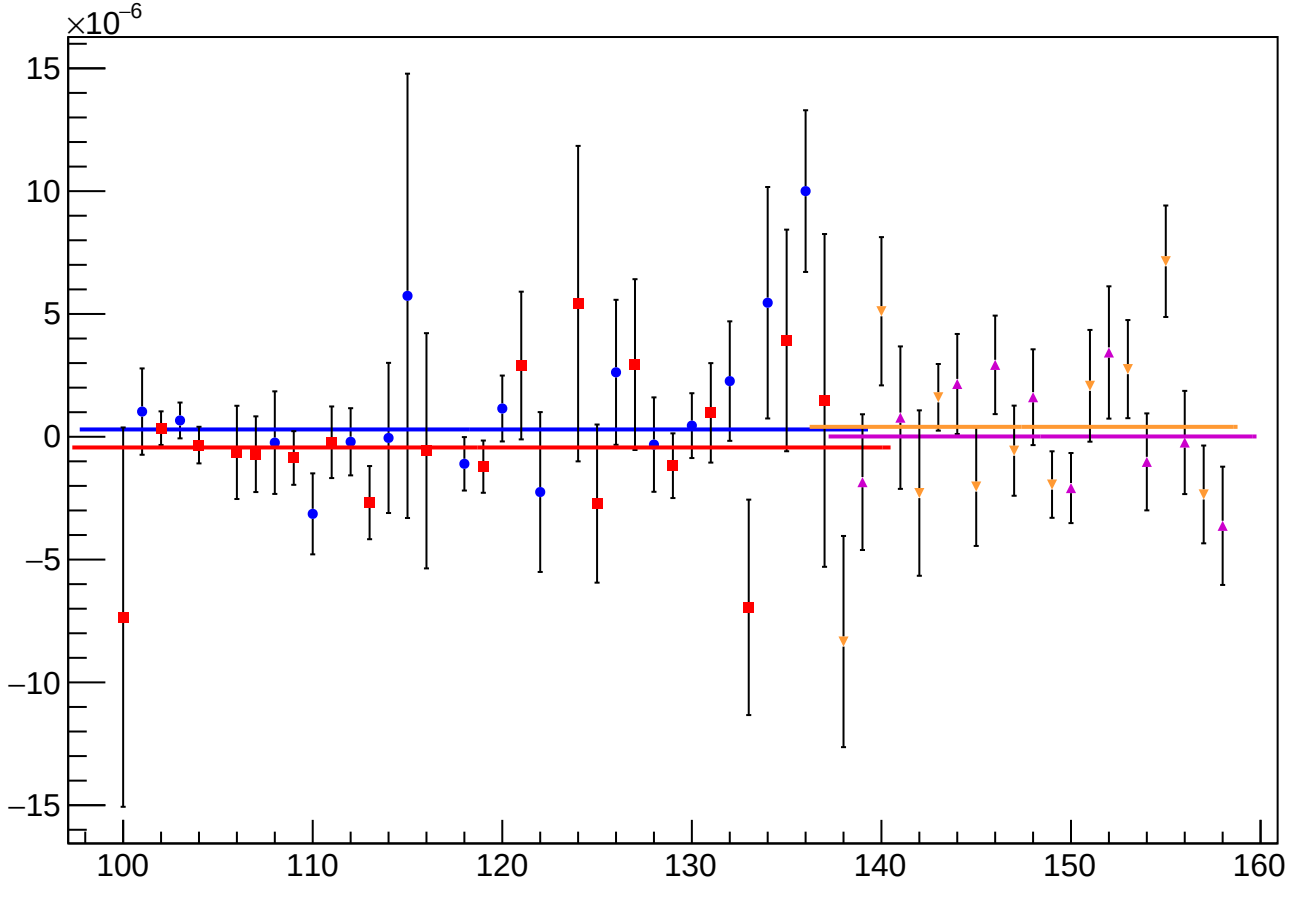
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 44.953+/-0.011 χ²/NDF:587197.1/10
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.820+/-0.010 χ²/NDF:243497.0/9
Left: 43.823+/-0.008 χ²/NDF: 850142.5/20
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 30.644+/-0.006 χ²/NDF:4541361.1/25
Out: 31.438+/-0.006 χ²/NDF:4303894.3/29
All: 31.034+/-0.004 χ²/NDF: 8853839.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

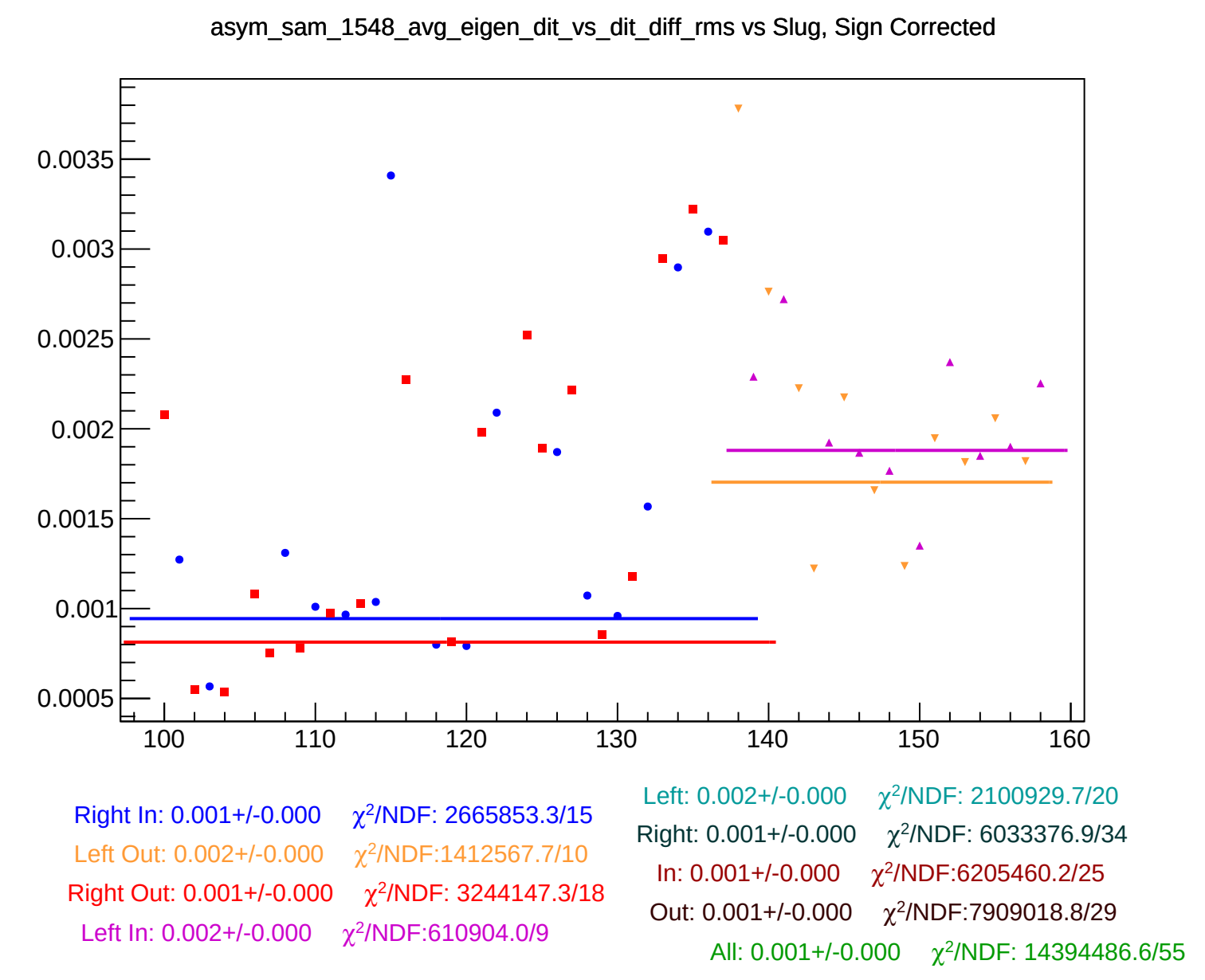
Left: 0.000+/-0.000 χ^2/NDF: 35.9/20

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

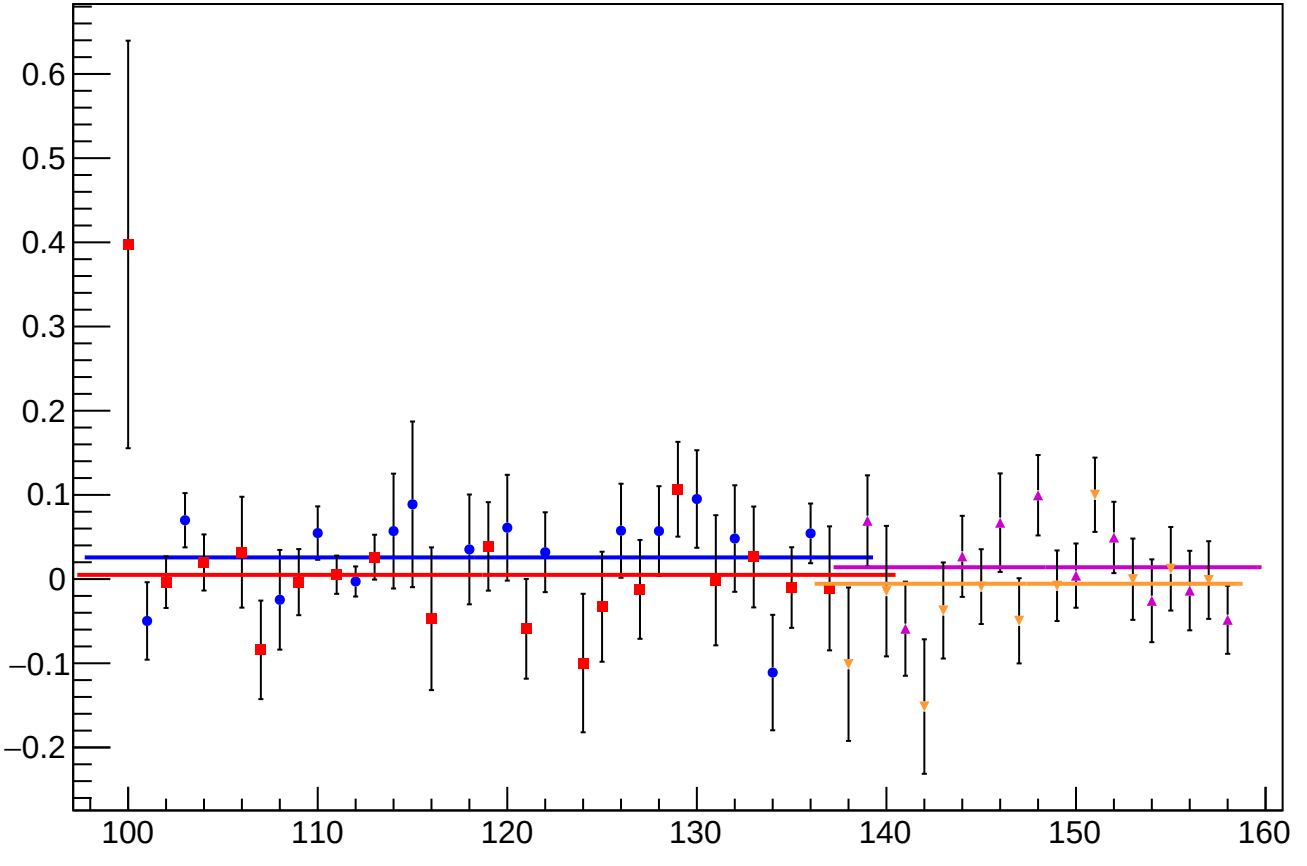
In: 0.000+/-0.000 χ^2/NDF:30.2/25

Out: -0.000+/-0.000 χ^2/NDF:39.1/29

All: -0.000+/-0.000 χ^2/NDF: 70.3/55


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1412567.7/10
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:610904.0/9
Left: 0.002+/-0.000 χ²/NDF: 2100929.7/20
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:6205460.2/25
Out: 0.001+/-0.000 χ²/NDF:7909018.8/29
All: 0.001+/-0.000 χ²/NDF: 14394486.6/55

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.014+/-0.015 χ^2/NDF:11.0/9

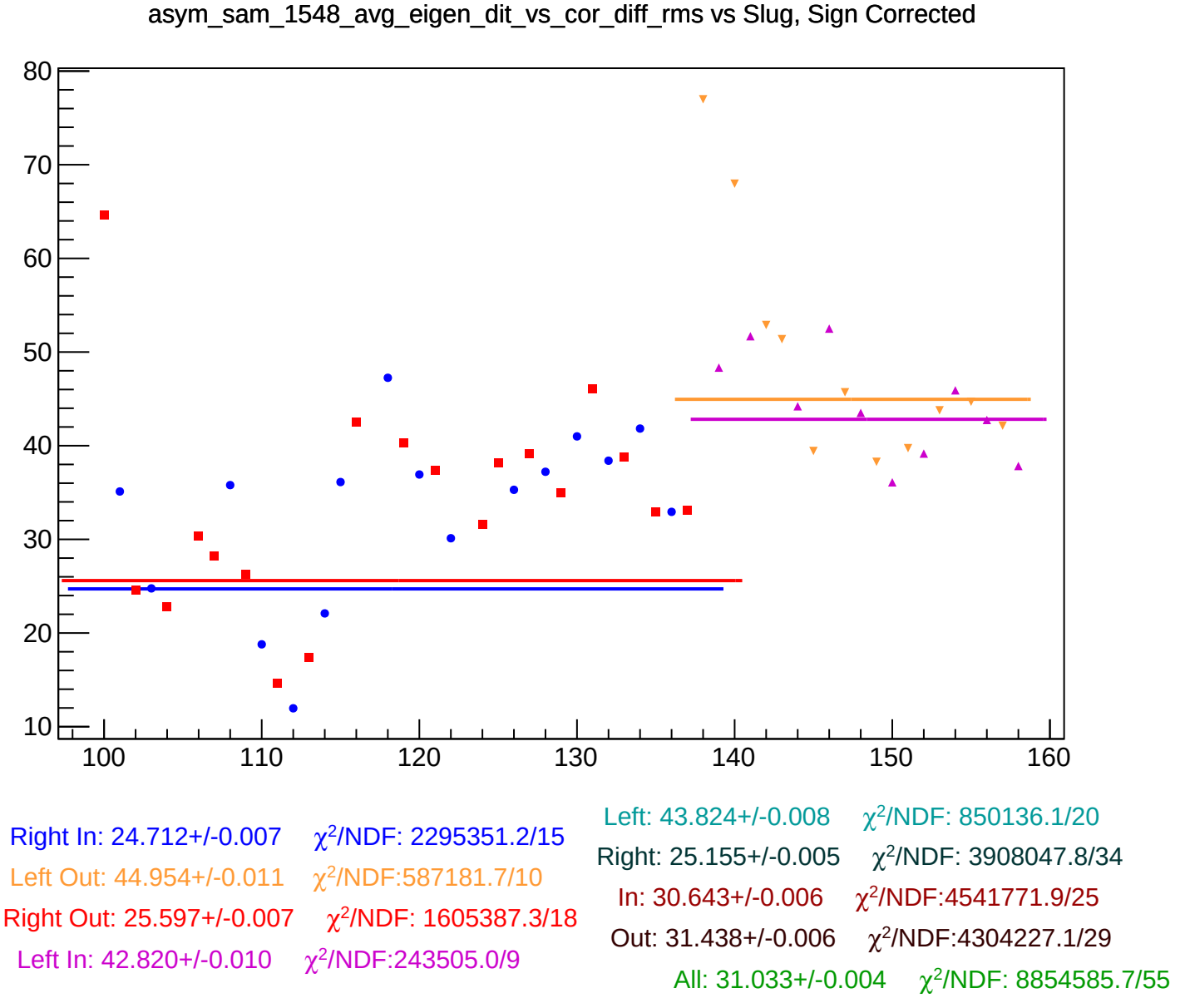
Left: 0.005+/-0.011 χ^2/NDF: 23.2/20

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.022+/-0.008 χ^2/NDF:27.9/25

Out: 0.002+/-0.009 χ^2/NDF:25.3/29

All: 0.012+/-0.006 χ^2/NDF: 56.0/55


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
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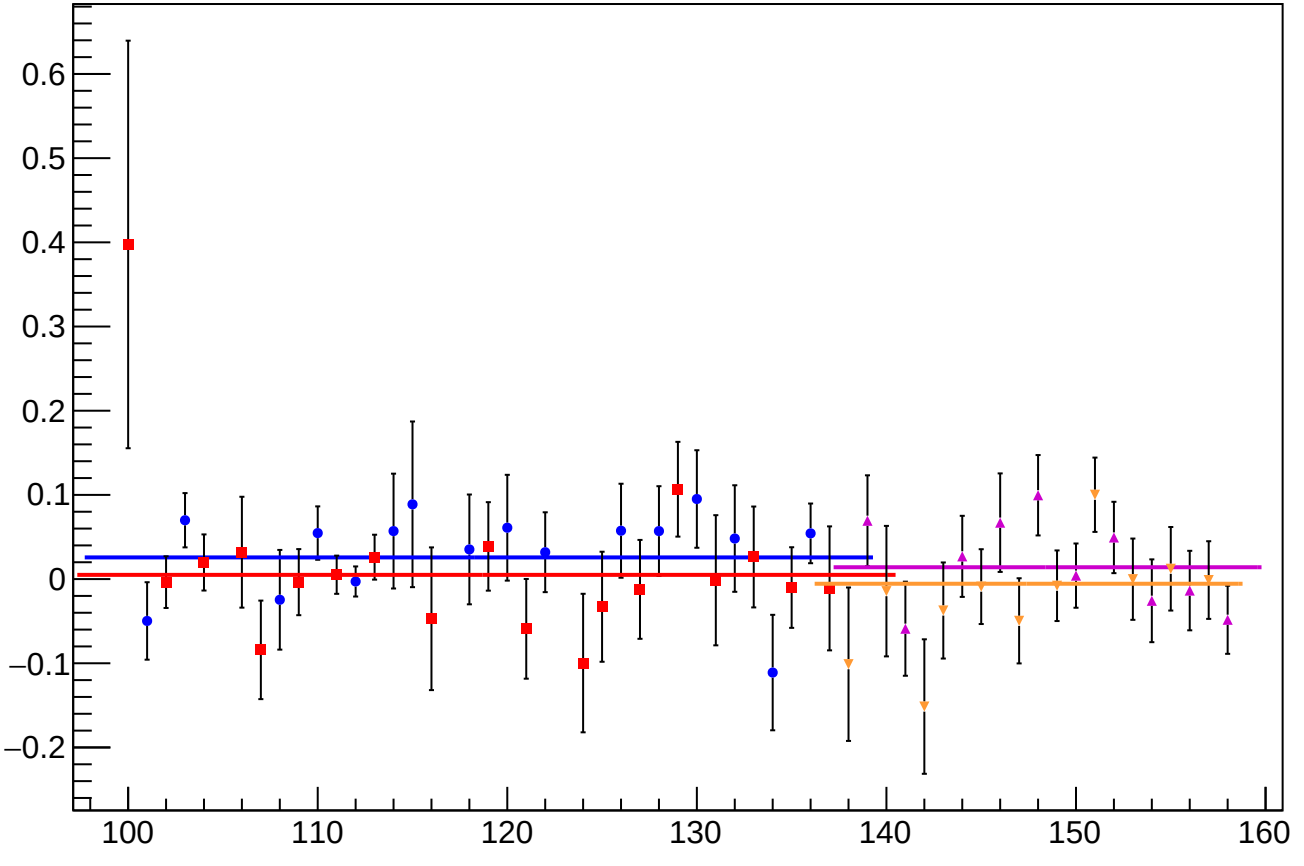
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 44.954+/-0.011 χ²/NDF:587181.7/10
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.820+/-0.010 χ²/NDF:243505.0/9
Left: 43.824+/-0.008 χ²/NDF: 850136.1/20
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 30.643+/-0.006 χ²/NDF:4541771.9/25
Out: 31.438+/-0.006 χ²/NDF:4304227.1/29
All: 31.033+/-0.004 χ²/NDF: 8854585.7/55

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.014+/-0.015 χ^2/NDF:11.0/9

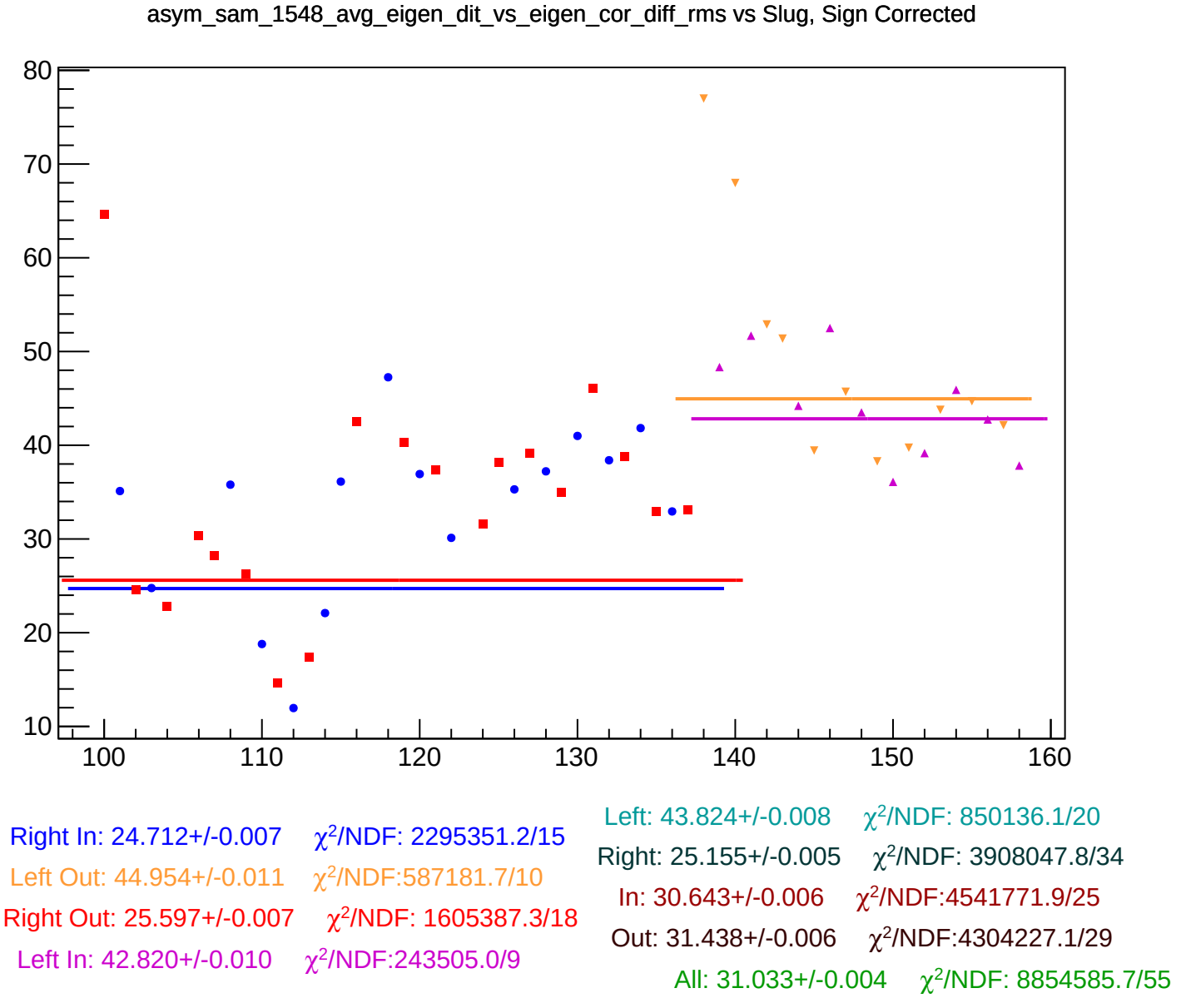
Left: 0.005+/-0.011 χ^2/NDF: 23.2/20

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.022+/-0.008 χ^2/NDF:27.9/25

Out: 0.002+/-0.009 χ^2/NDF:25.3/29

All: 0.012+/-0.006 χ^2/NDF: 56.0/55


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
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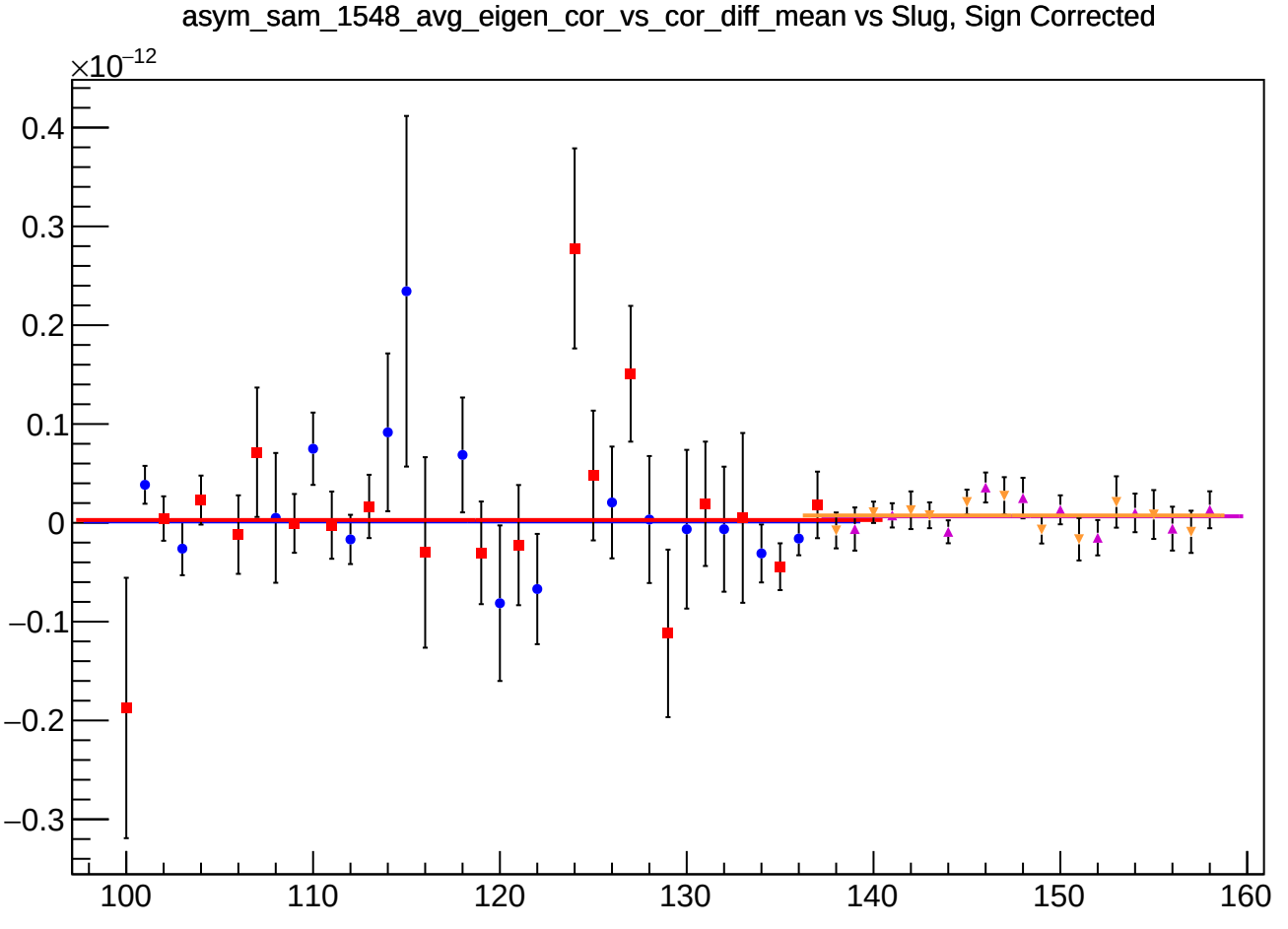
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 44.954+/-0.011 χ²/NDF:587181.7/10
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.820+/-0.010 χ²/NDF:243505.0/9
Left: 43.824+/-0.008 χ²/NDF: 850136.1/20
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 30.643+/-0.006 χ²/NDF:4541771.9/25
Out: 31.438+/-0.006 χ²/NDF:4304227.1/29
All: 31.033+/-0.004 χ²/NDF: 8854585.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/9

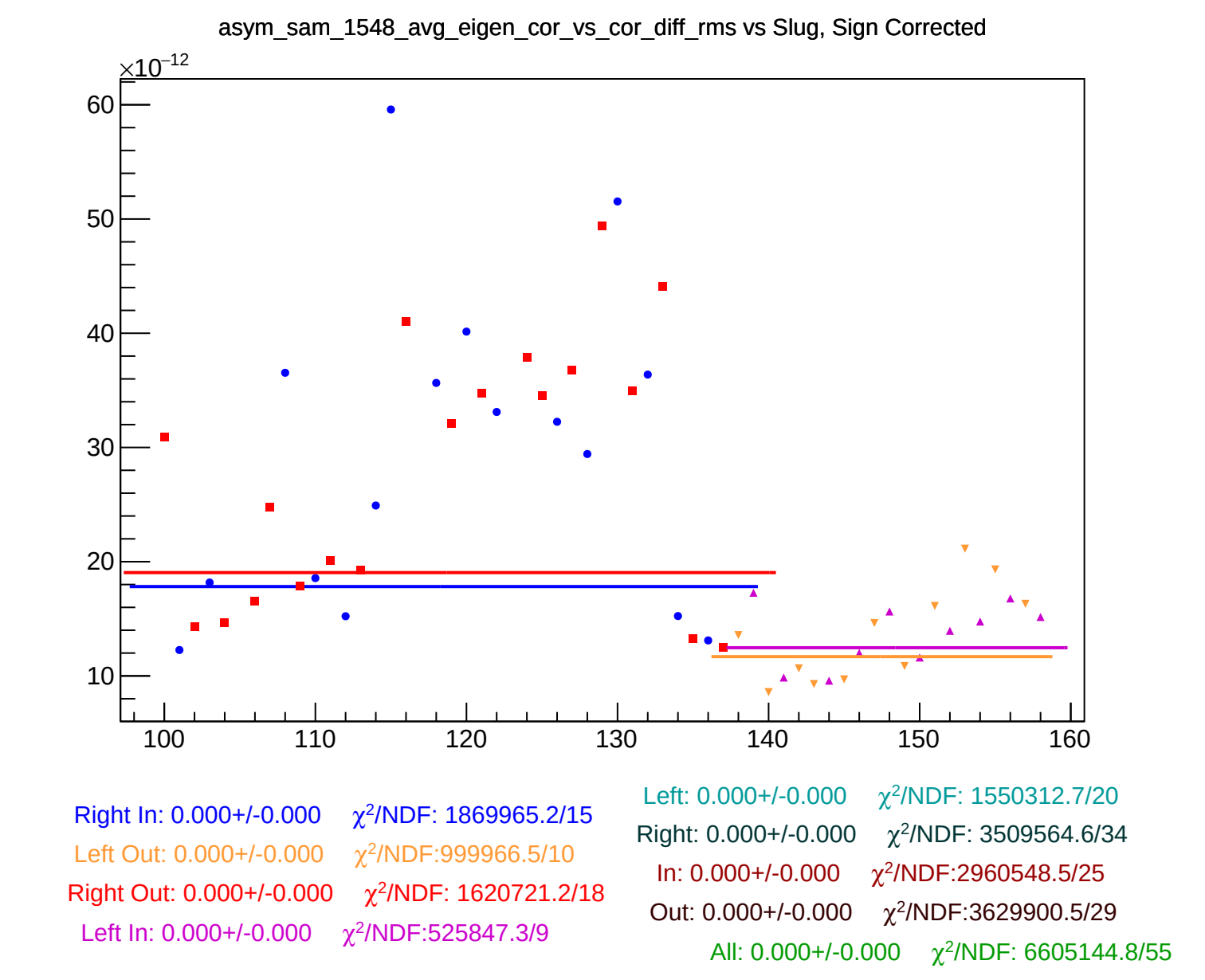
Left: 0.000+/-0.000 χ^2/NDF: 15.2/20

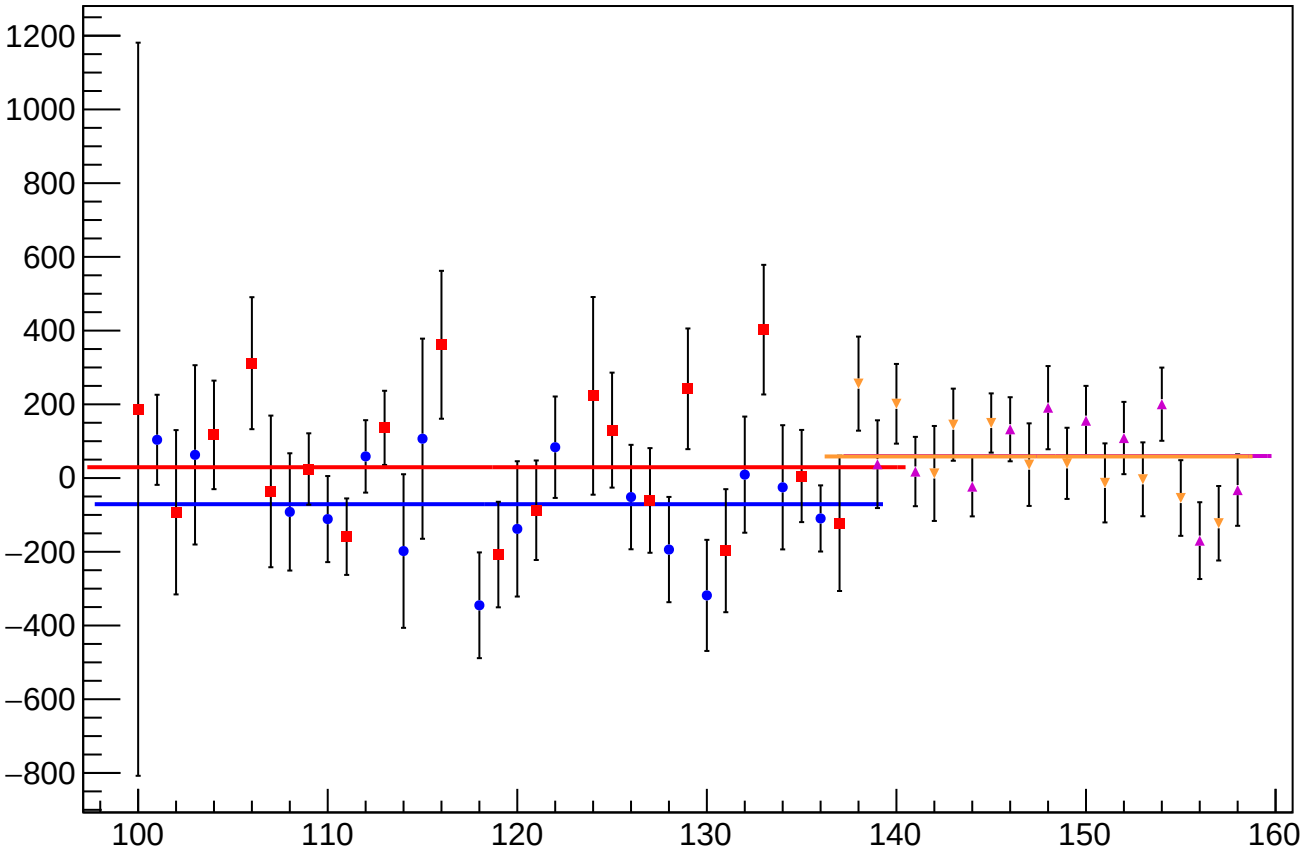
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:27.8/25

Out: 0.000+/-0.000 χ^2/NDF:30.0/29

All: 0.000+/-0.000 χ^2/NDF: 57.8/55


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:999966.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:525847.3/9
Left: 0.000+/-0.000 χ²/NDF: 1550312.7/20
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2960548.5/25
Out: 0.000+/-0.000 χ²/NDF:3629900.5/29
All: 0.000+/-0.000 χ²/NDF: 6605144.8/55



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 58.597+/-31.113 χ^2/NDF:11.7/10

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 59.790+/-30.660 χ^2/NDF:12.4/9

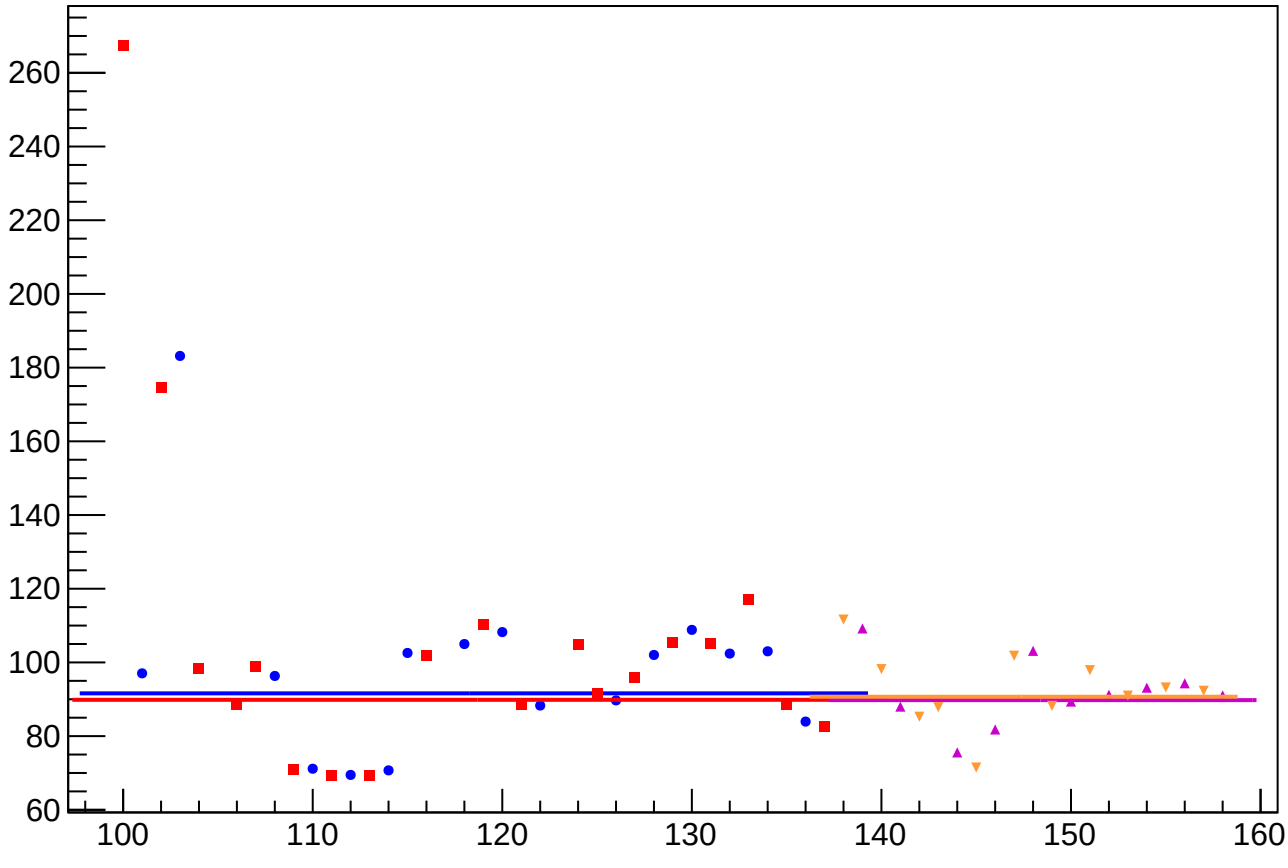
Left: 59.202+/-21.838 χ^2/NDF: 24.0/20

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 3.274+/-23.097 χ^2/NDF:34.3/25

Out: 45.398+/-23.028 χ^2/NDF:36.1/29

All: 24.399+/-16.308 χ^2/NDF: 72.0/55



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.696+/-0.022 χ^2/NDF:214857.0/10

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

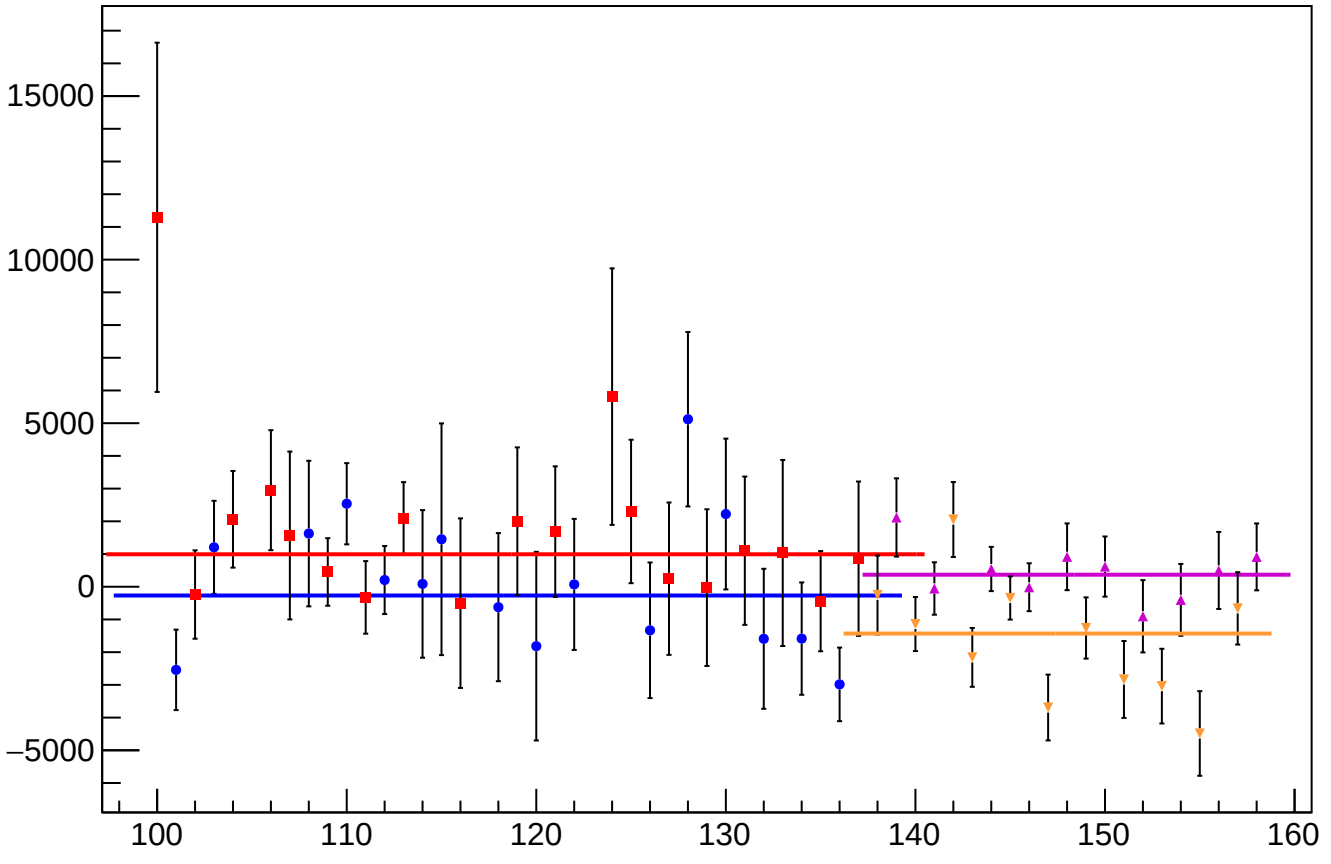
Left: 90.227+/-0.015 χ^2/NDF: 383406.8/20

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.566+/-0.016 χ^2/NDF:751429.5/25

Out: 90.316+/-0.016 χ^2/NDF:961808.0/29

All: 90.440+/-0.012 χ^2/NDF: 1713355.3/55



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1431.286+/-295.126 χ^2/NDF:28.3/10

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 367.538+/-291.371 χ^2/NDF:5.2/9

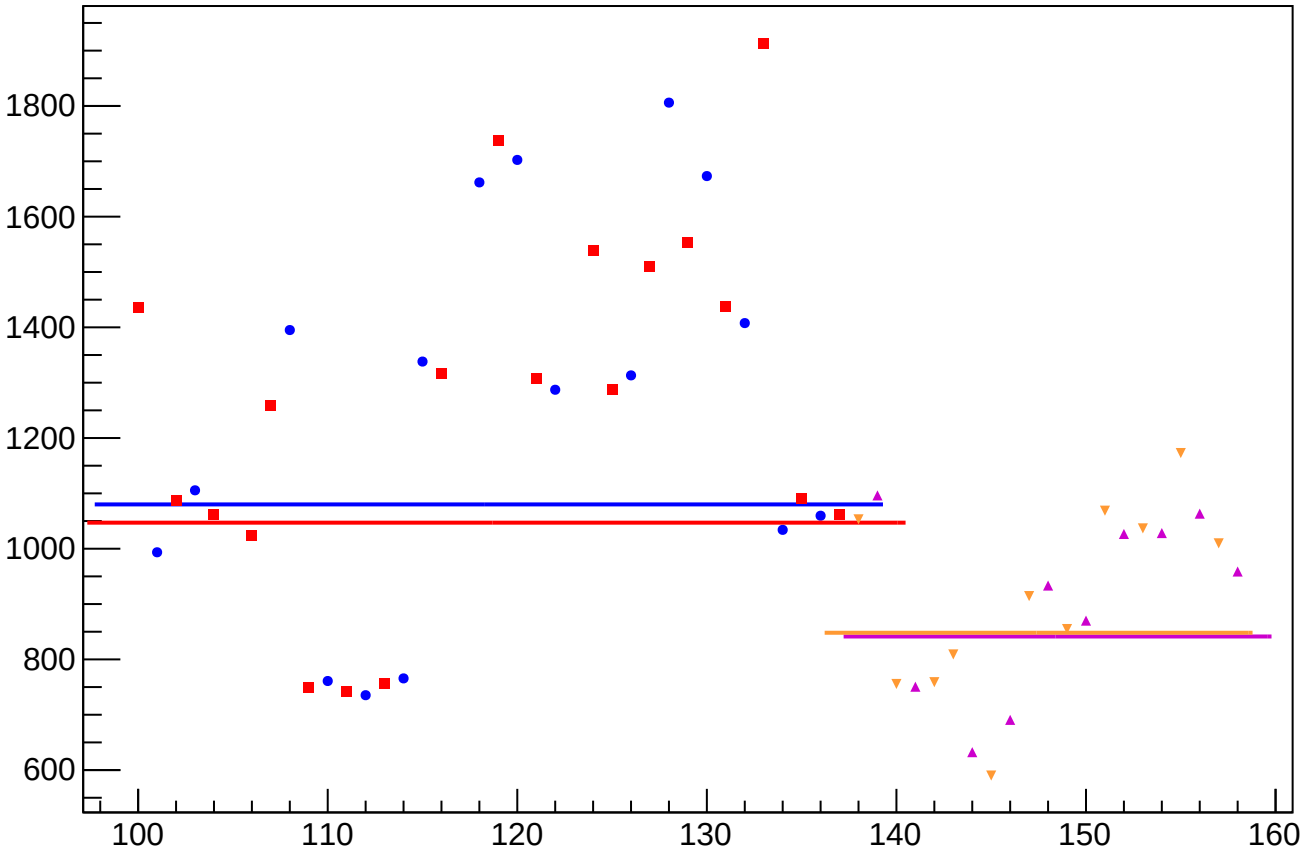
Left: -520.357+/-207.345 χ^2/NDF: 52.3/20

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 160.610+/-239.324 χ^2/NDF:30.2/25

Out: -579.150+/-237.654 χ^2/NDF:64.6/29

All: -211.859+/-168.634 χ^2/NDF: 99.7/55



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 848.153+/-0.209 χ^2/NDF:706910.9/10

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 841.398+/-0.206 χ^2/NDF:622138.9/9

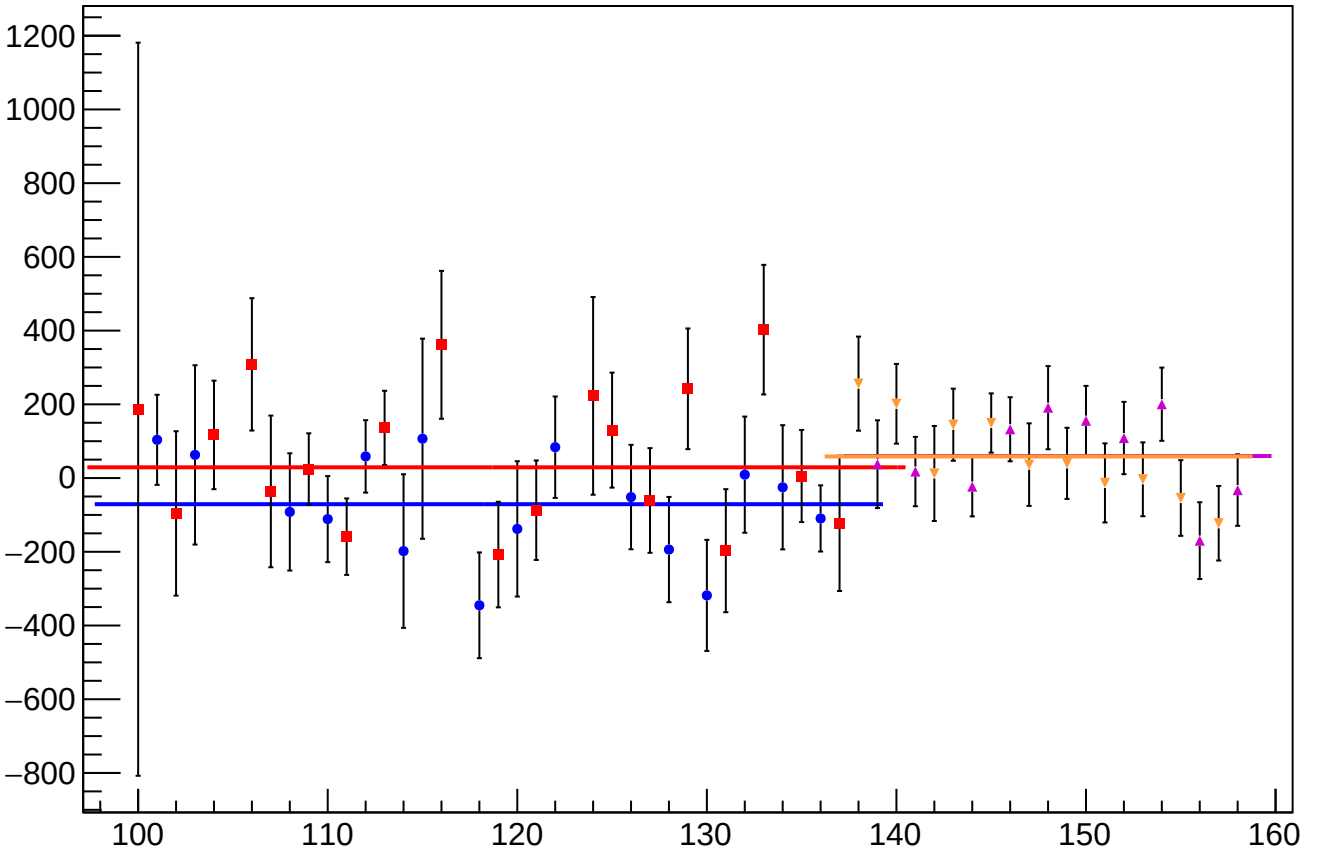
Left: 844.732+/-0.147 χ^2/NDF: 1329580.5/20

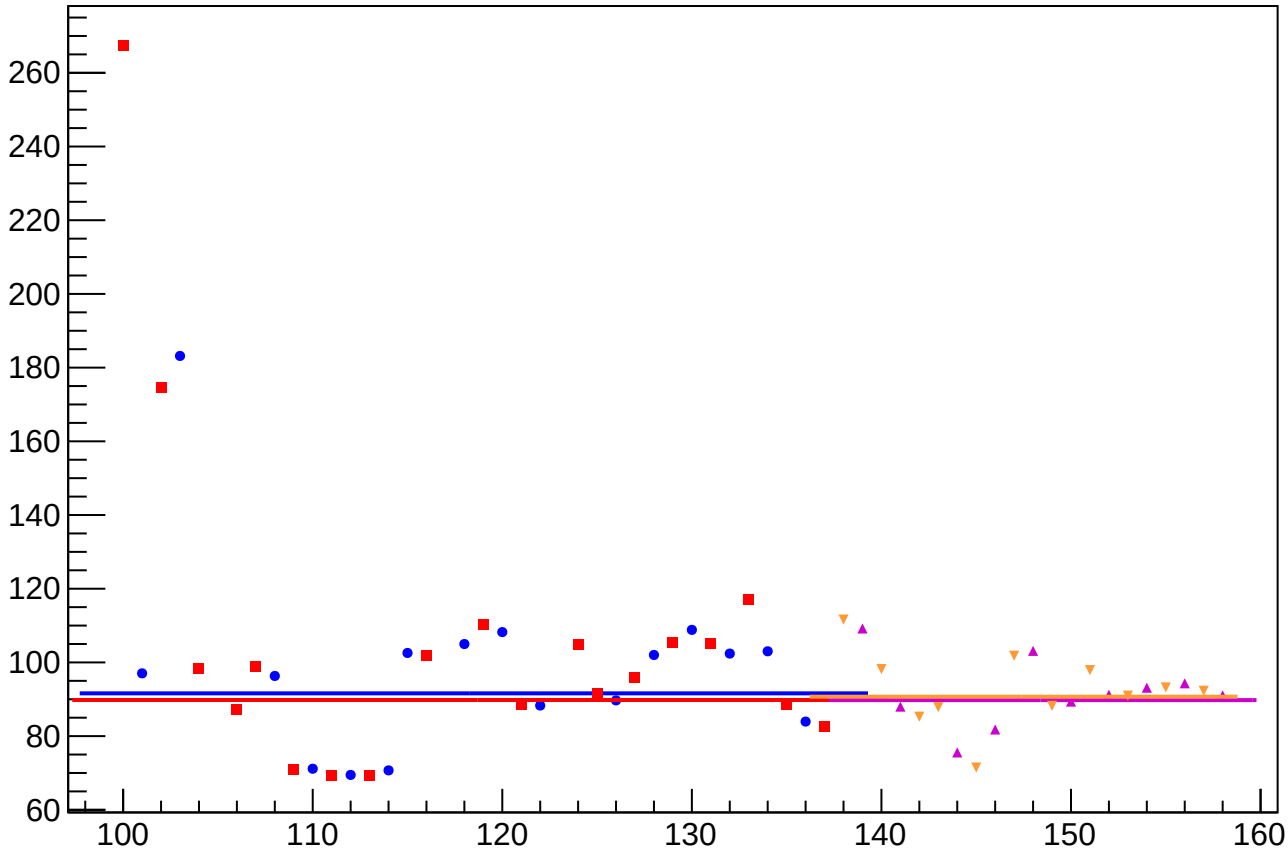
Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 919.041+/-0.169 χ^2/NDF:2112122.6/25

Out: 918.081+/-0.168 χ^2/NDF:2224957.4/29

All: 918.557+/-0.119 χ^2/NDF: 4337096.2/55


cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -70.903+/-35.122 χ²/NDF: 14.1/15
Left Out: 58.601+/-31.113 χ²/NDF:11.7/10
Right Out: 29.159+/-34.247 χ²/NDF: 24.0/18
Left In: 59.793+/-30.660 χ²/NDF:12.4/9
Left: 59.206+/-21.838 χ²/NDF: 24.0/20
Right: -19.610+/-24.520 χ²/NDF: 42.2/34
In: 3.270+/-23.097 χ²/NDF:34.3/25
Out: 45.289+/-23.029 χ²/NDF:36.0/29
All: 24.342+/-16.308 χ²/NDF: 72.0/55



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.696+/-0.022 χ^2/NDF:214857.0/10

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

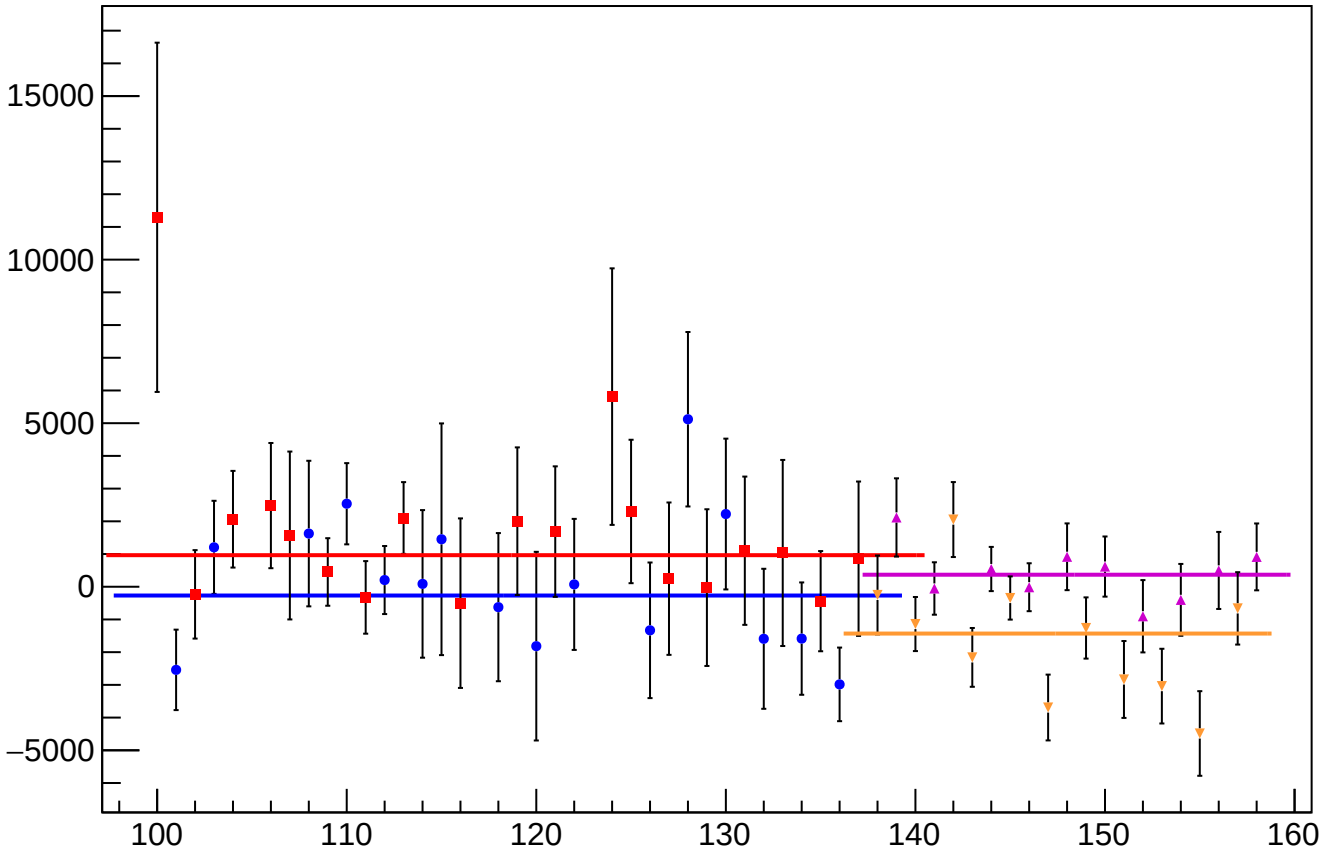
Left: 90.227+/-0.015 χ^2/NDF: 383406.8/20

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.566+/-0.016 χ^2/NDF:751432.6/25

Out: 90.294+/-0.016 χ^2/NDF:962429.0/29

All: 90.430+/-0.012 χ^2/NDF: 1714000.4/55



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1431.280+/-295.126 χ^2/NDF:28.3/10

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 367.545+/-291.371 χ^2/NDF:5.2/9

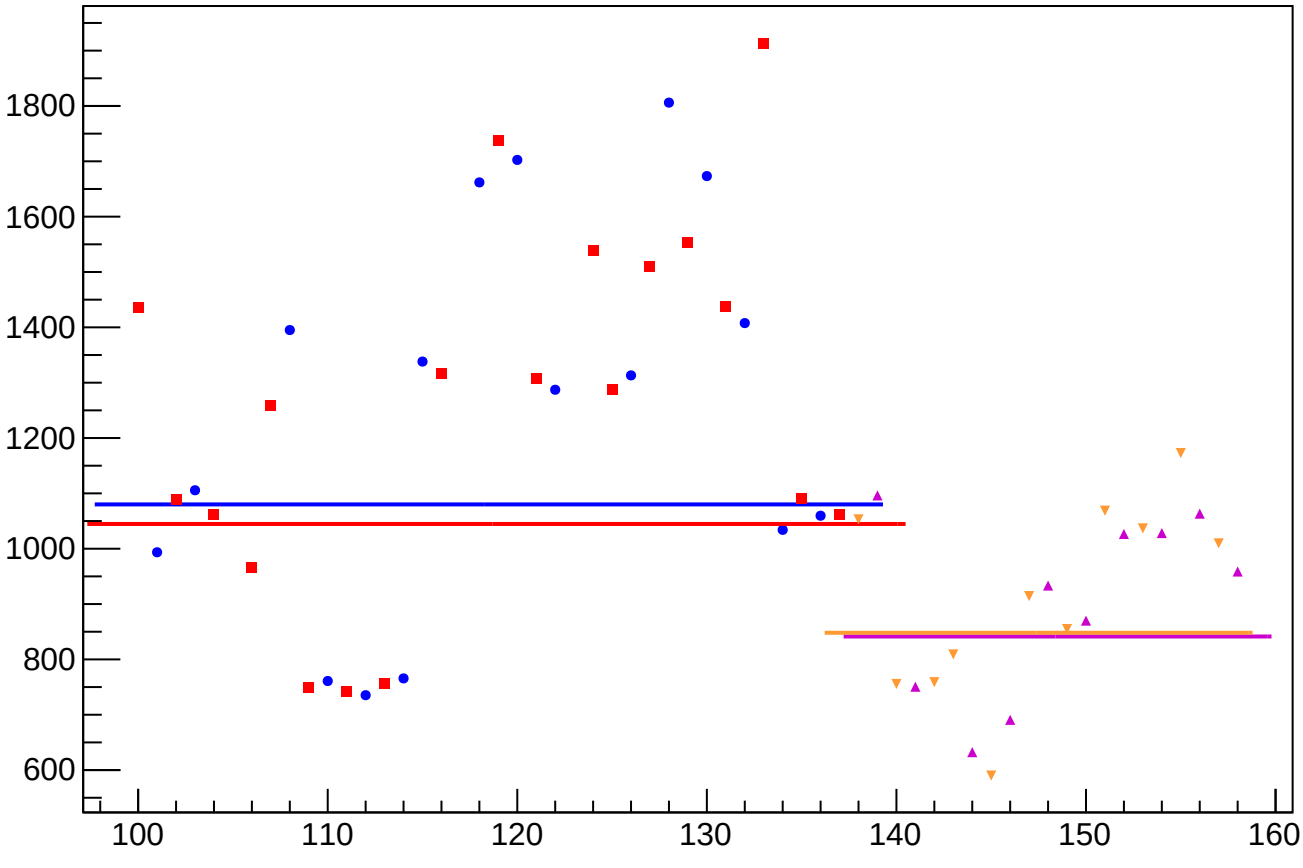
Left: -520.351+/-207.345 χ^2/NDF: 52.3/20

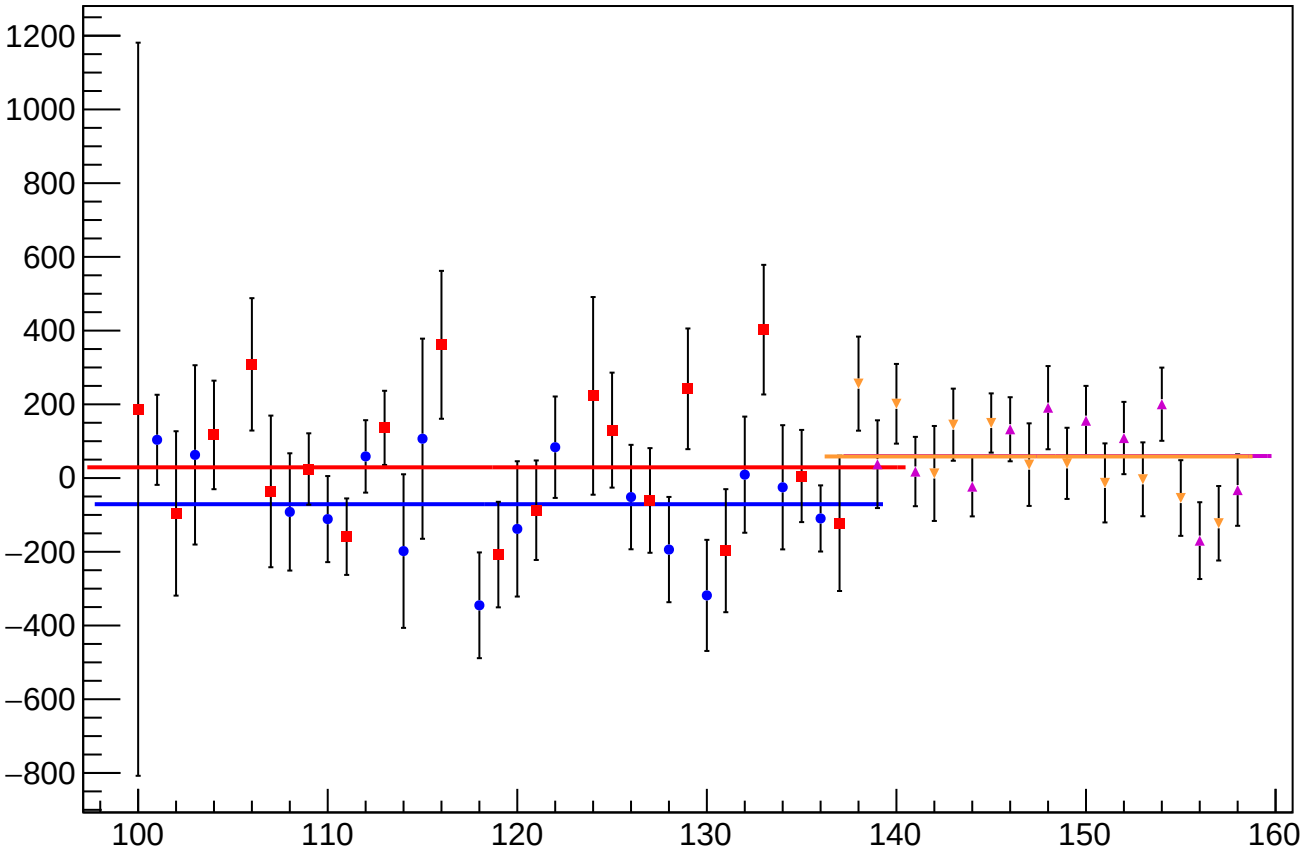
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 160.610+/-239.324 χ^2/NDF:30.2/25

Out: -591.079+/-237.823 χ^2/NDF:63.5/29

All: -217.600+/-168.694 χ^2/NDF: 98.7/55


asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
100
110
120
130
140
150
160
Right In: 1080.054+/-0.297 χ²/NDF: 1053475.0/15
Left Out: 848.152+/-0.209 χ²/NDF:706913.6/10
Right Out: 1044.717+/-0.284 χ²/NDF: 1201825.8/18
Left In: 841.398+/-0.206 χ²/NDF:622137.5/9
Left: 844.732+/-0.147 χ²/NDF: 1329581.6/20
Right: 1061.613+/-0.205 χ²/NDF: 2262703.7/34
In: 919.043+/-0.169 χ²/NDF:2112153.3/25
Out: 917.073+/-0.168 χ²/NDF:2219820.4/29
All: 918.052+/-0.119 χ²/NDF: 4332041.8/55



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 58.601+/-31.113 χ^2/NDF:11.7/10

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 59.793+/-30.660 χ^2/NDF:12.4/9

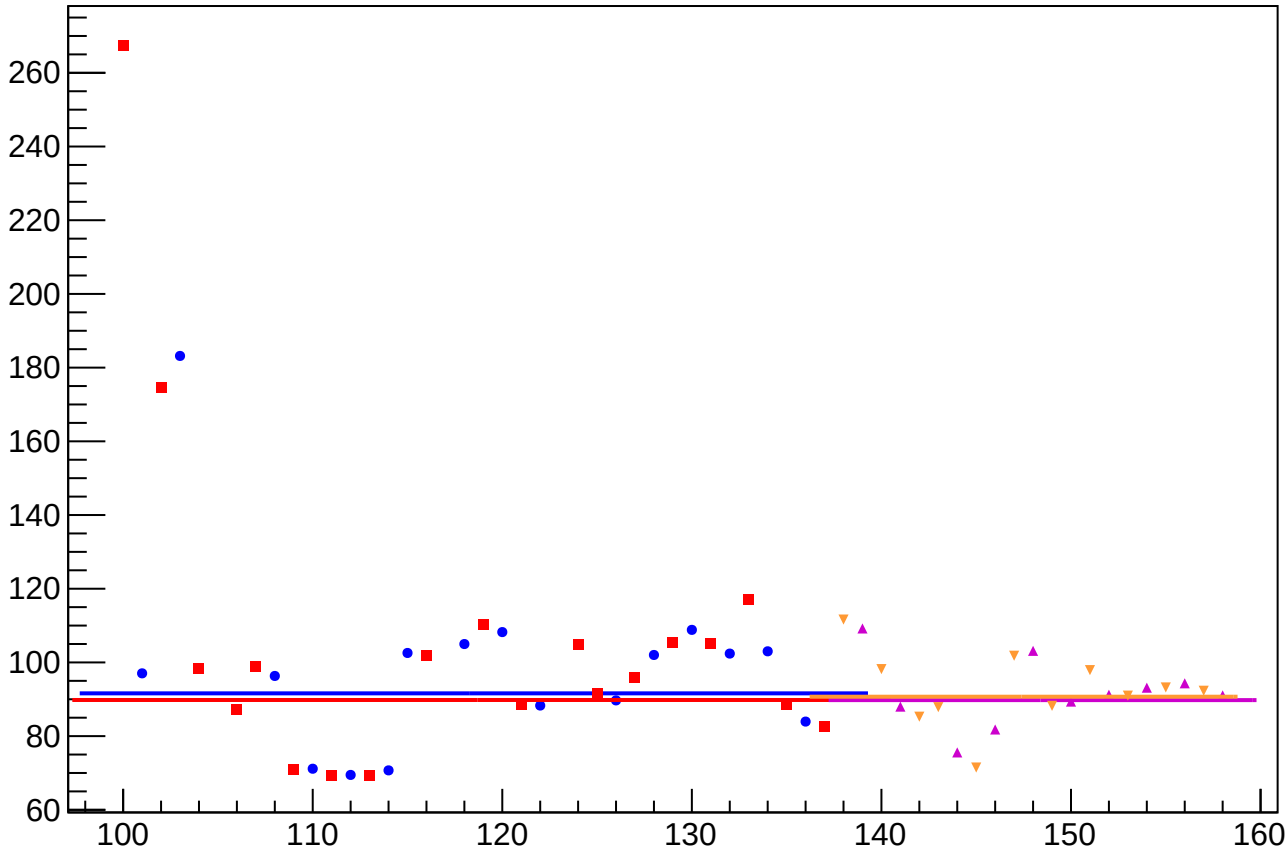
Left: 59.206+/-21.838 χ^2/NDF: 24.0/20

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 3.270+/-23.097 χ^2/NDF:34.3/25

Out: 45.289+/-23.029 χ^2/NDF:36.0/29

All: 24.342+/-16.308 χ^2/NDF: 72.0/55



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.696+/-0.022 χ^2/NDF:214857.0/10

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

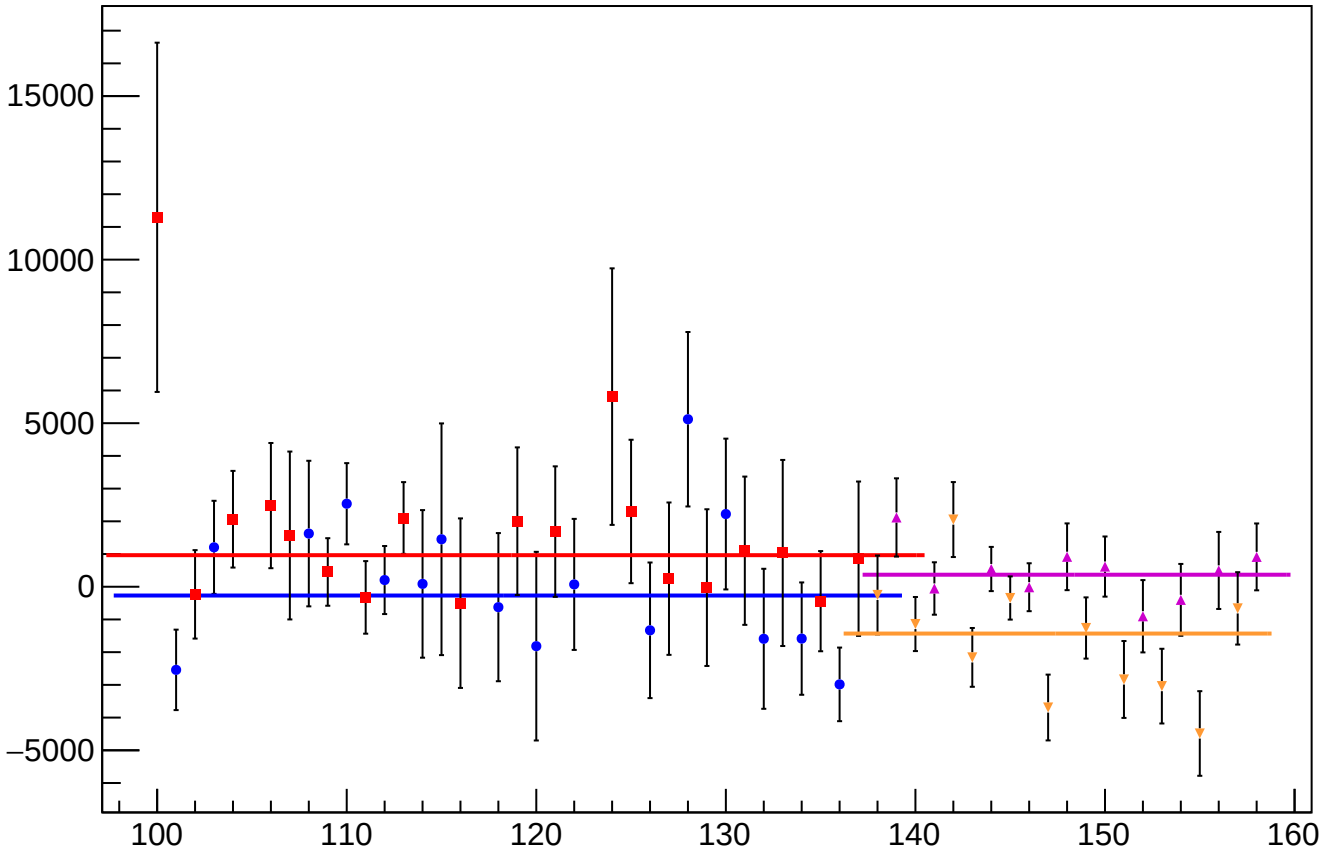
Left: 90.227+/-0.015 χ^2/NDF: 383406.8/20

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.566+/-0.016 χ^2/NDF:751432.6/25

Out: 90.294+/-0.016 χ^2/NDF:962429.0/29

All: 90.430+/-0.012 χ^2/NDF: 1714000.4/55



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1431.280+/-295.126 χ^2/NDF:28.3/10

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 367.545+/-291.371 χ^2/NDF:5.2/9

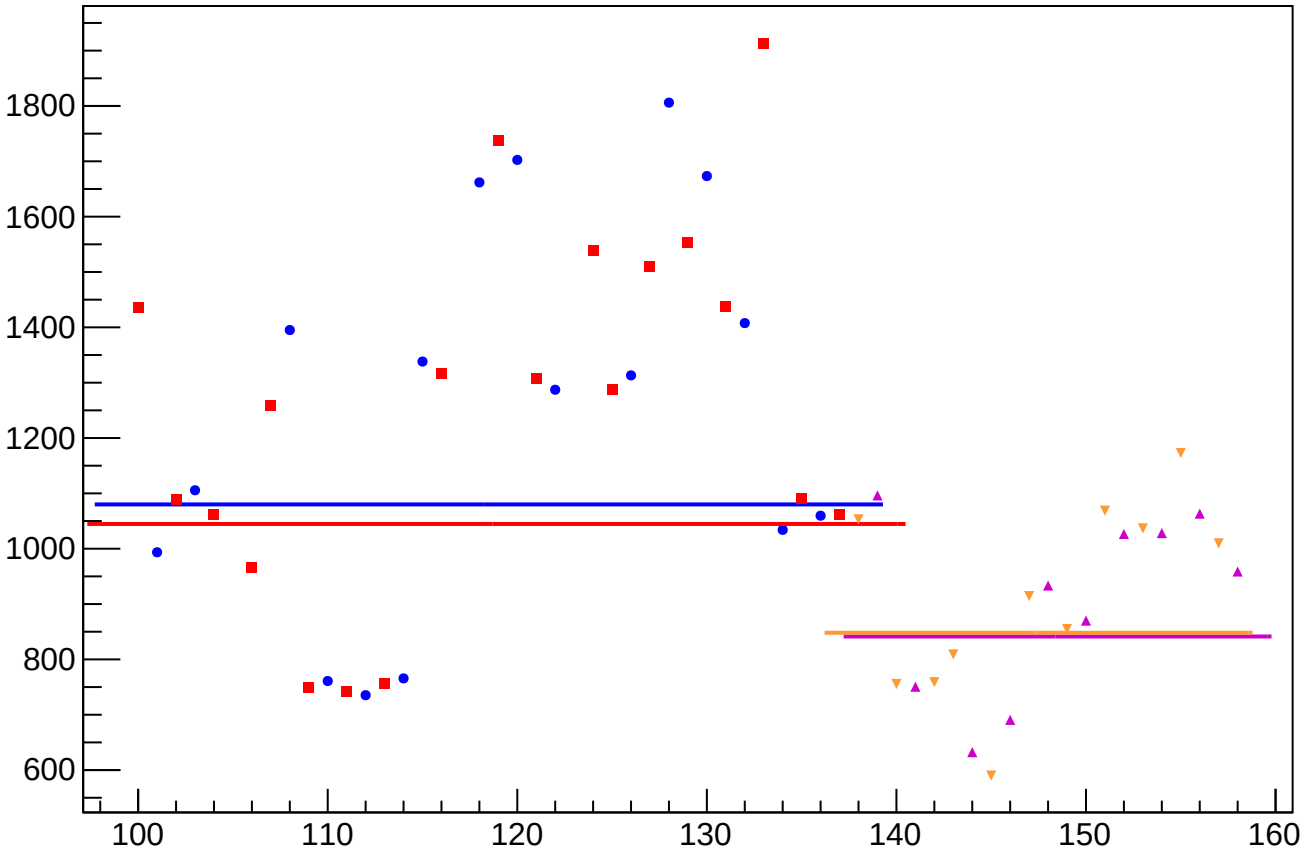
Left: -520.351+/-207.345 χ^2/NDF: 52.3/20

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 160.610+/-239.324 χ^2/NDF:30.2/25

Out: -591.079+/-237.823 χ^2/NDF:63.5/29

All: -217.600+/-168.694 χ^2/NDF: 98.7/55



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 848.152+/-0.209 χ^2/NDF:706913.6/10

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 841.398+/-0.206 χ^2/NDF:622137.5/9

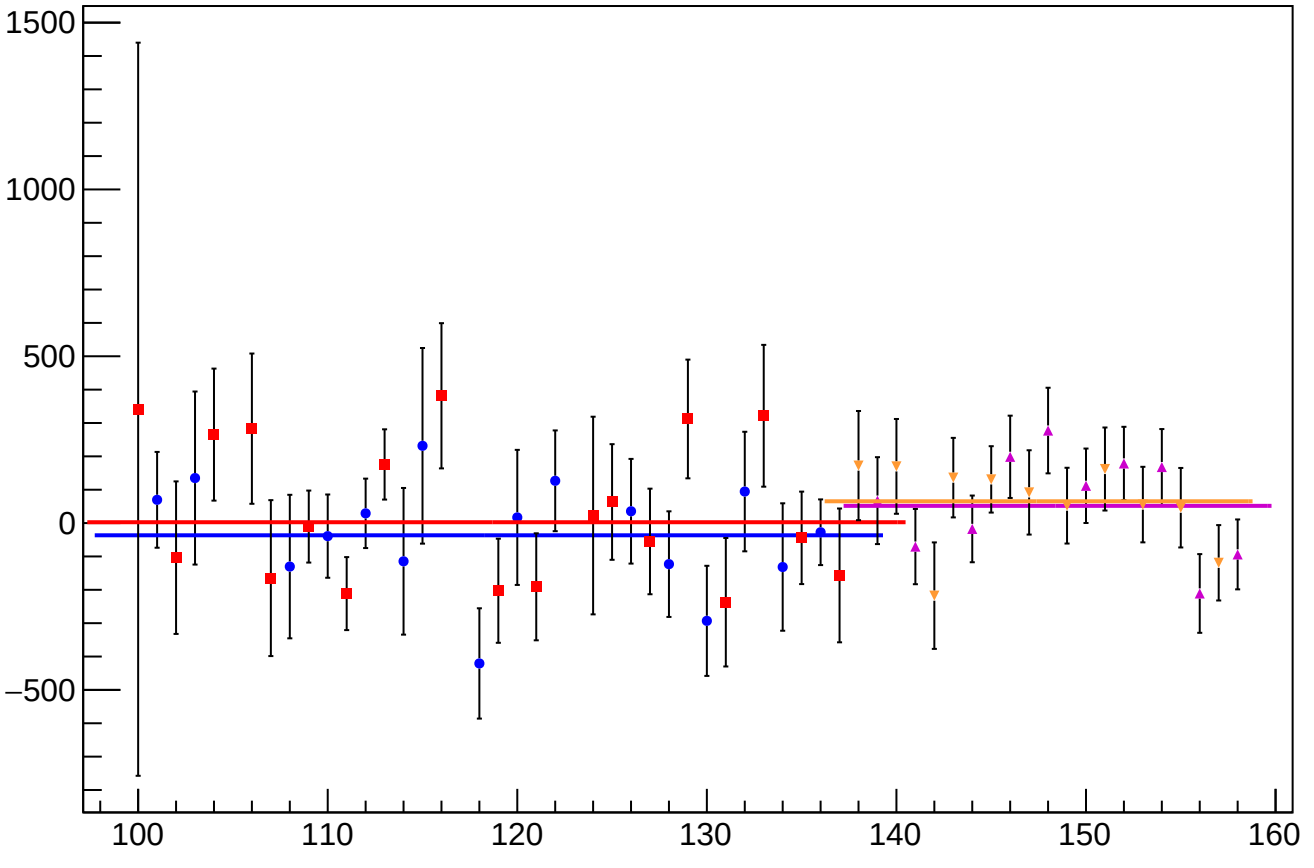
Left: 844.732+/-0.147 χ^2/NDF: 1329581.6/20

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 919.043+/-0.169 χ^2/NDF:2112153.3/25

Out: 917.073+/-0.168 χ^2/NDF:2219820.4/29

All: 918.052+/-0.119 χ^2/NDF: 4332041.8/55



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.361+/-37.034 χ^2/NDF:8.3/10

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 51.662+/-36.095 χ^2/NDF:15.7/9

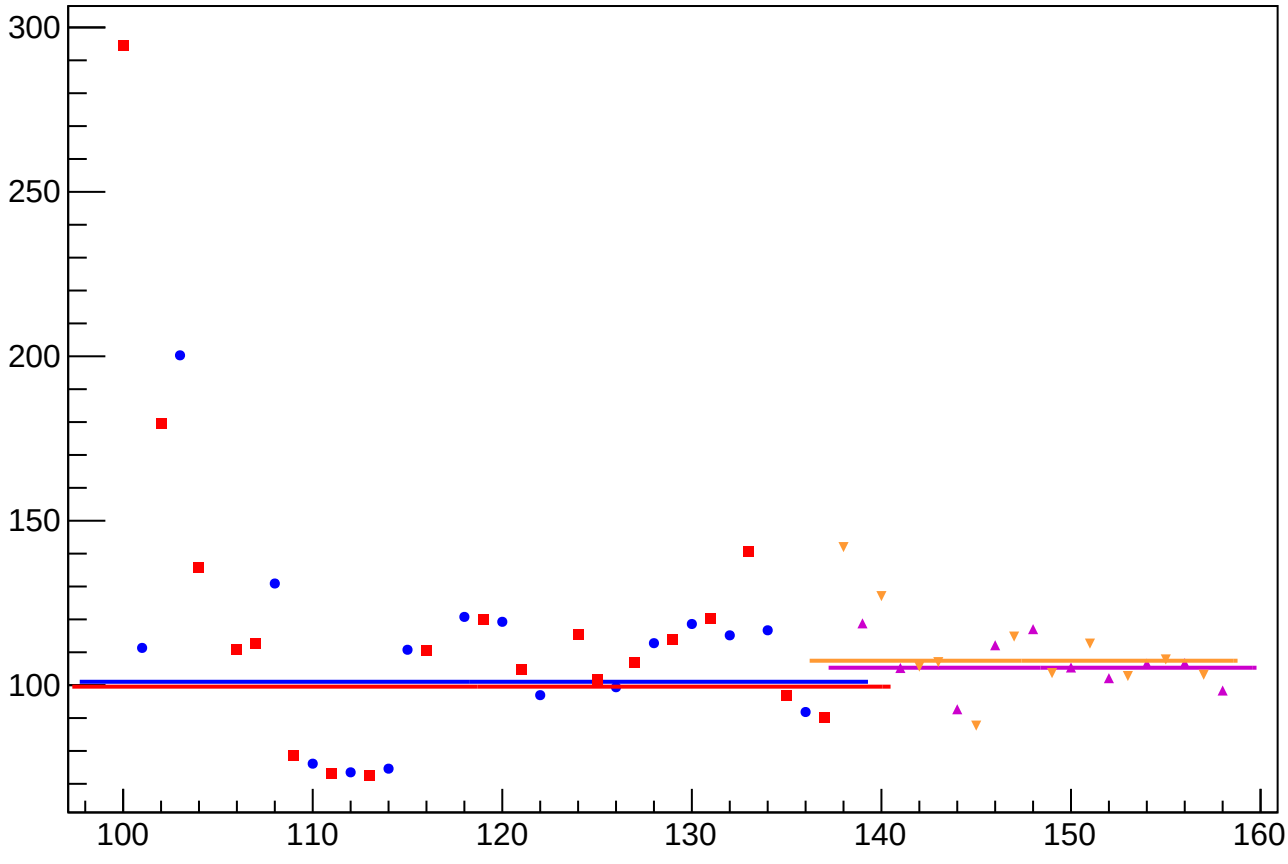
Left: 58.335+/-25.849 χ^2/NDF: 24.1/20

Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 10.934+/-26.488 χ^2/NDF:31.4/25

Out: 34.908+/-26.578 χ^2/NDF:34.4/29

All: 22.880+/-18.761 χ^2/NDF: 66.2/55



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.433+/-0.026 χ^2/NDF:225034.7/10

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.302+/-0.026 χ^2/NDF:87198.6/9

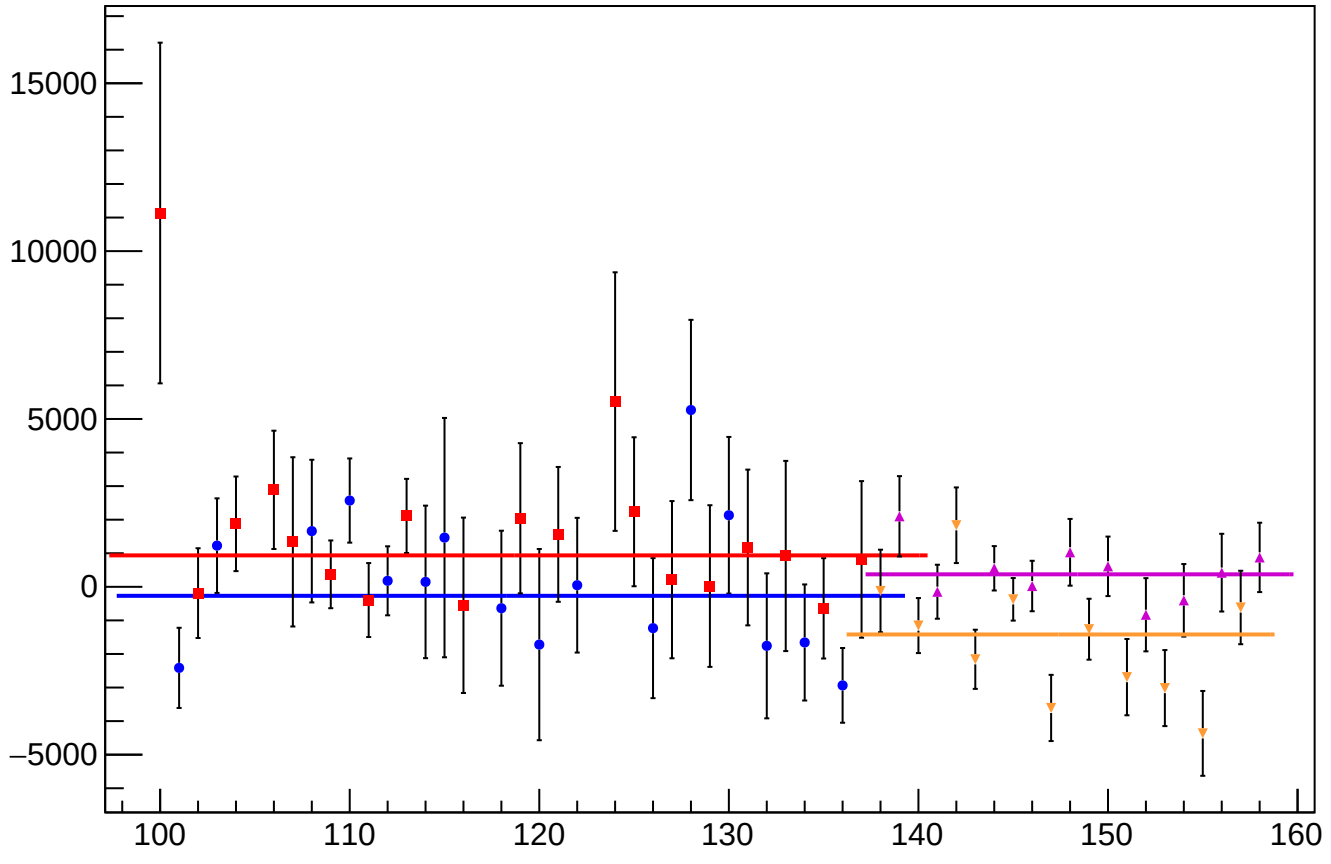
Left: 106.340+/-0.018 χ^2/NDF: 315627.9/20

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.331+/-0.019 χ^2/NDF:816217.2/25

Out: 103.608+/-0.019 χ^2/NDF:1149507.9/29

All: 103.469+/-0.013 χ^2/NDF: 1965834.3/55



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1419.044+/-288.996 χ^2/NDF:27.2/10

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 372.394+/-289.049 χ^2/NDF:5.3/9

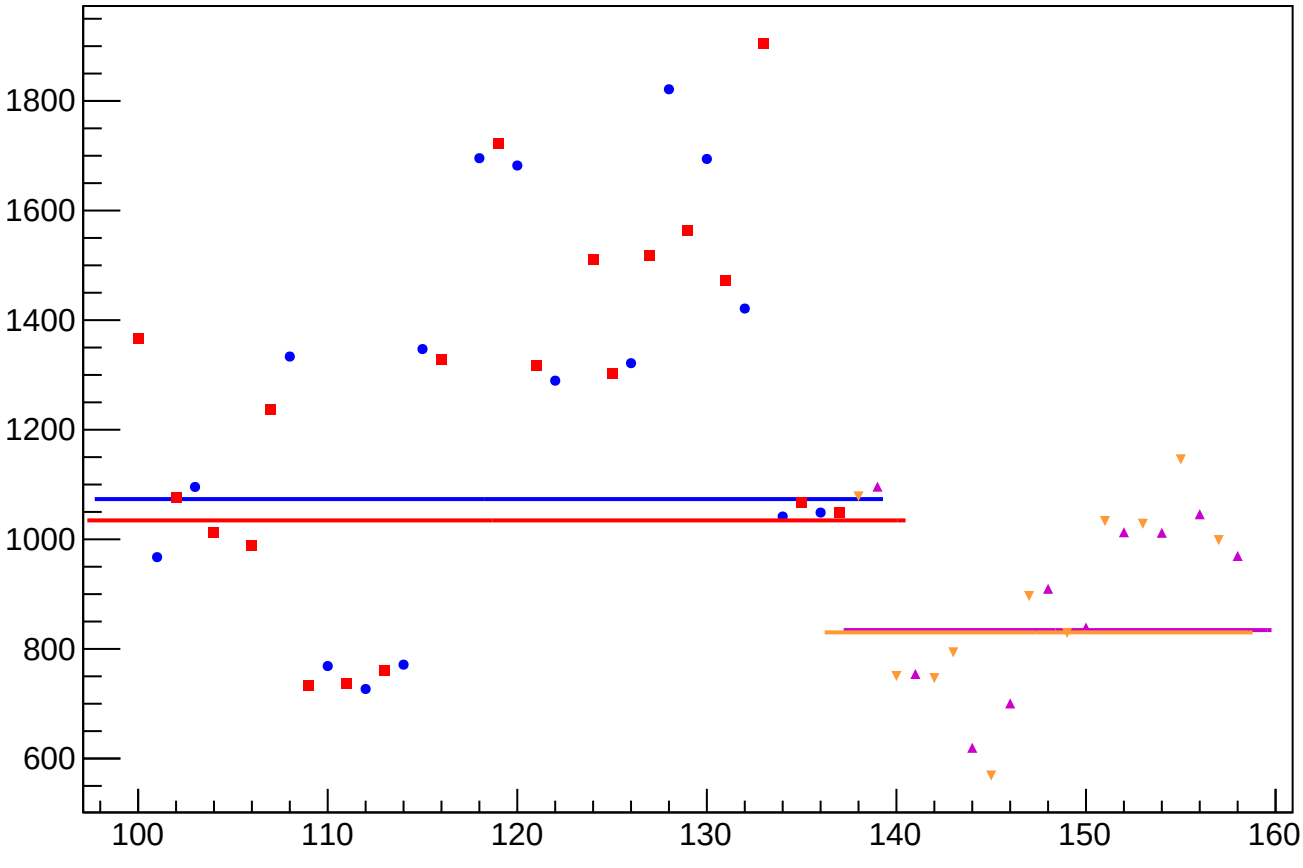
Left: -523.488+/-204.370 χ^2/NDF: 51.6/20

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 164.638+/-237.570 χ^2/NDF:30.3/25

Out: -601.019+/-233.490 χ^2/NDF:63.4/29

All: -224.821+/-166.526 χ^2/NDF: 99.0/55



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 830.180+/-0.204 χ^2/NDF:760956.3/10

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 834.390+/-0.204 χ^2/NDF:610300.2/9

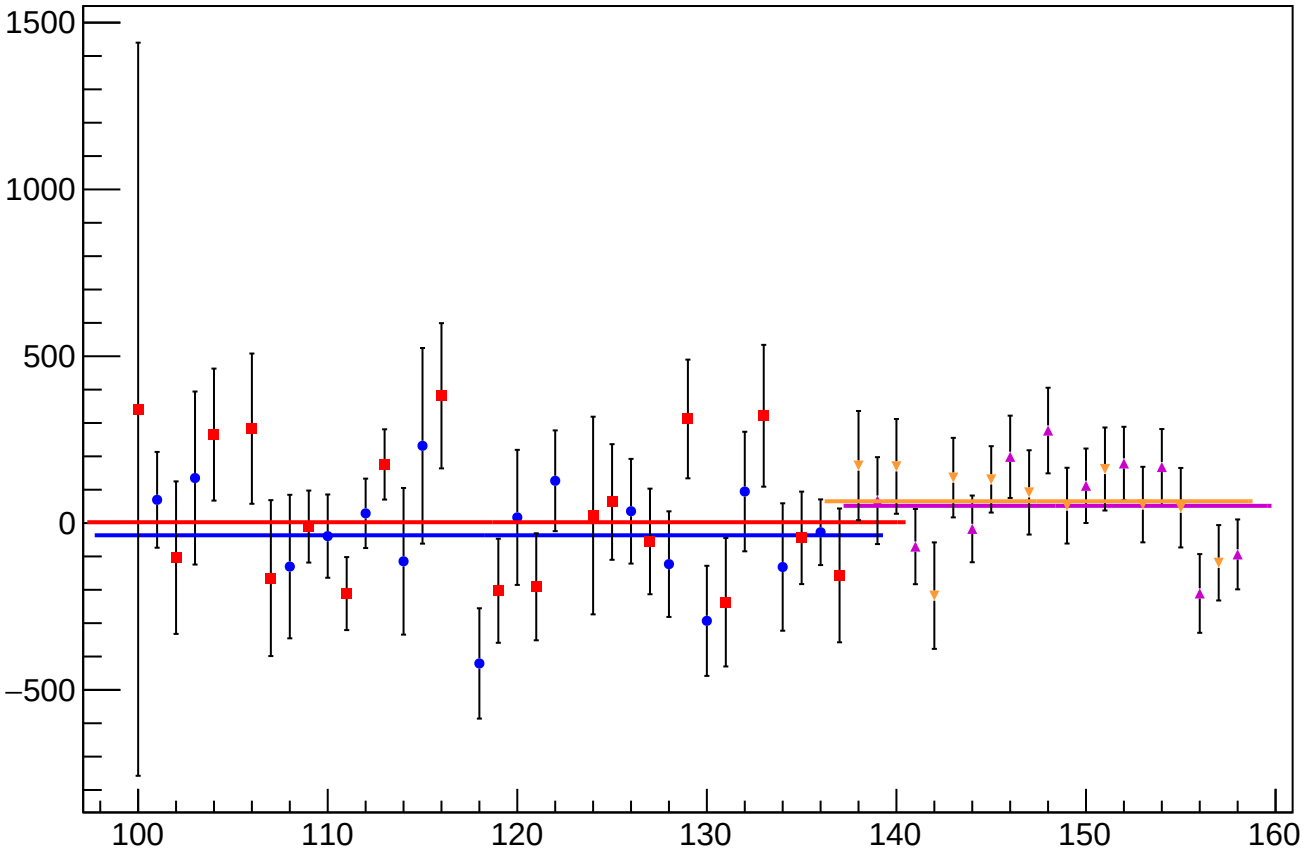
Left: 832.285+/-0.145 χ^2/NDF: 1371468.6/20

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 911.961+/-0.168 χ^2/NDF:2131277.6/25

Out: 901.141+/-0.165 χ^2/NDF:2337554.2/29

All: 906.457+/-0.118 χ^2/NDF: 4470942.1/55



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.362+/-37.034 χ^2/NDF:8.3/10

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 51.662+/-36.095 χ^2/NDF:15.7/9

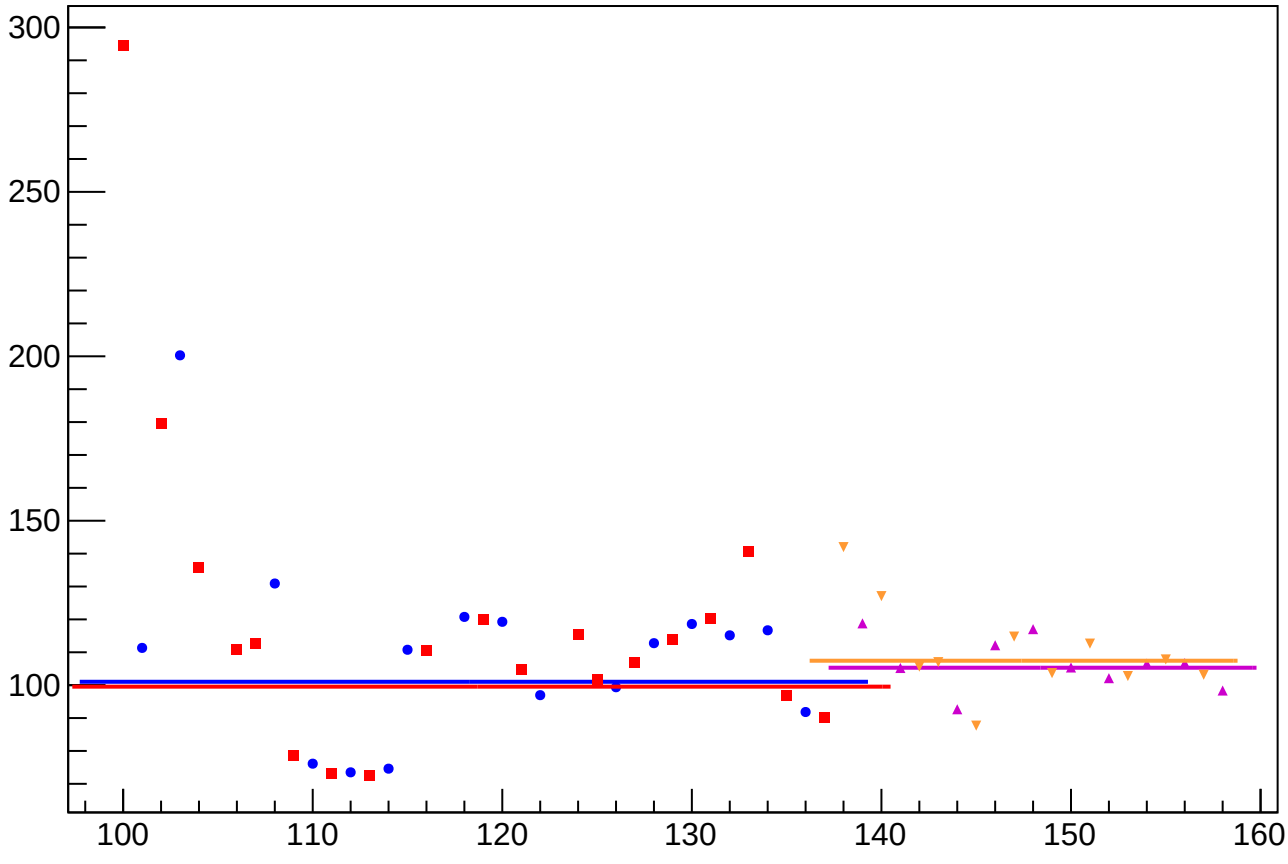
Left: 58.336+/-25.849 χ^2/NDF: 24.1/20

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 10.934+/-26.488 χ^2/NDF:31.4/25

Out: 34.908+/-26.578 χ^2/NDF:34.4/29

All: 22.880+/-18.761 χ^2/NDF: 66.2/55



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.433+/-0.026 χ^2/NDF:225027.6/10

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.303+/-0.026 χ^2/NDF:87196.7/9

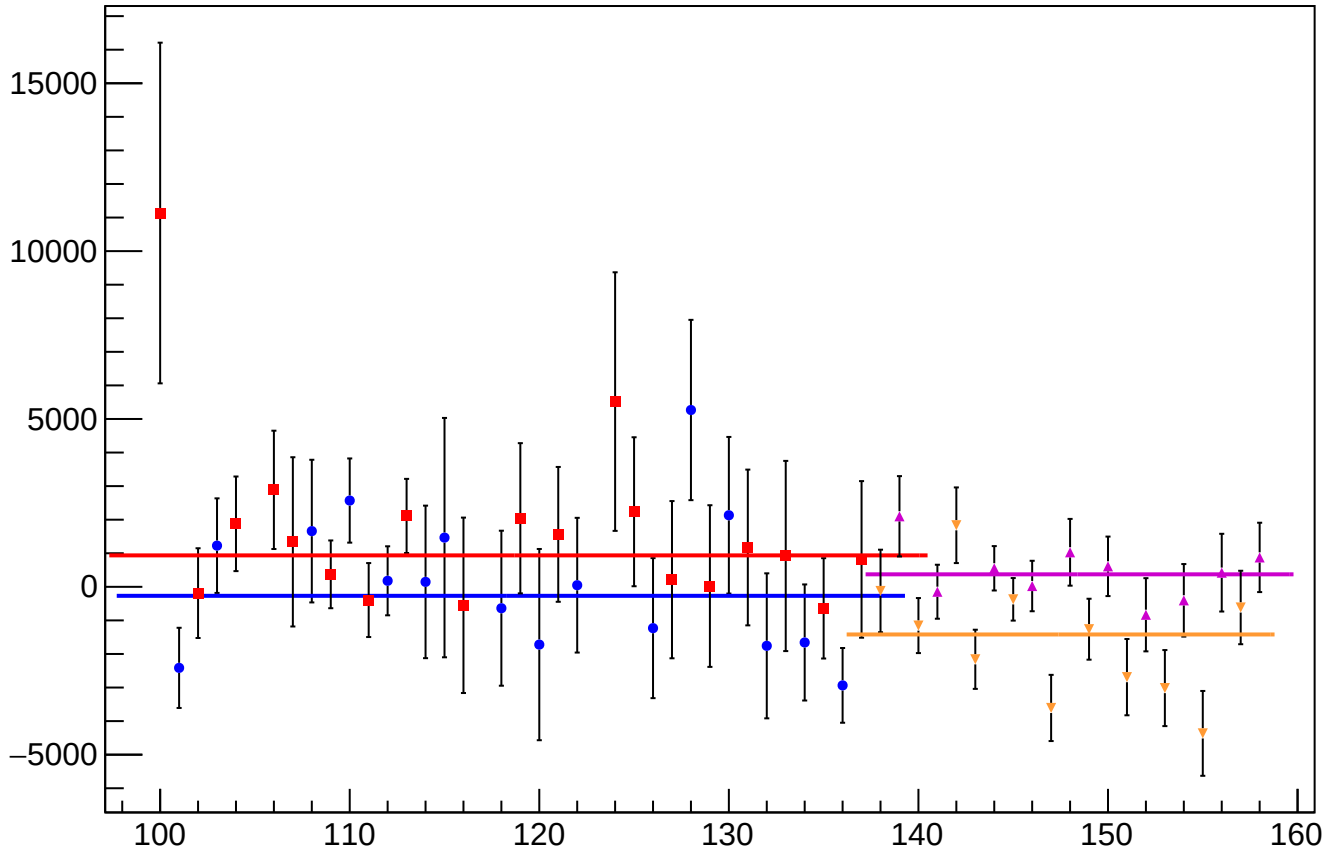
Left: 106.341+/-0.018 χ^2/NDF: 315619.2/20

Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.331+/-0.019 χ^2/NDF:816215.7/25

Out: 103.609+/-0.019 χ^2/NDF:1149507.0/29

All: 103.470+/-0.013 χ^2/NDF: 1965832.0/55



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1419.043+/-288.996 χ^2/NDF:27.2/10

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 372.393+/-289.049 χ^2/NDF:5.3/9

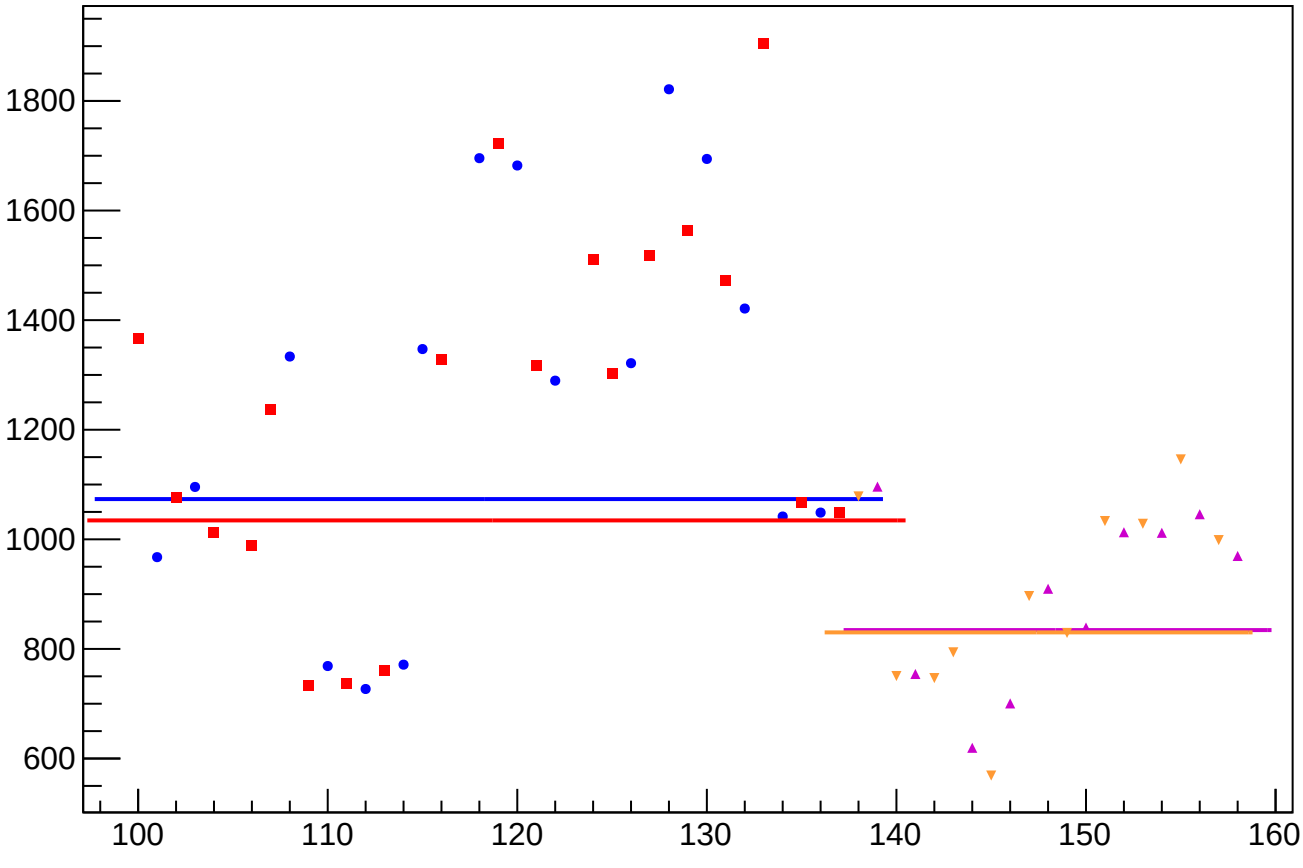
Left: -523.488+/-204.370 χ^2/NDF: 51.6/20

Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 164.638+/-237.570 χ^2/NDF:30.3/25

Out: -601.019+/-233.490 χ^2/NDF:63.4/29

All: -224.822+/-166.526 χ^2/NDF: 99.0/55



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 830.179+/-0.204 χ^2/NDF:760959.4/10

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 834.389+/-0.204 χ^2/NDF:610299.1/9

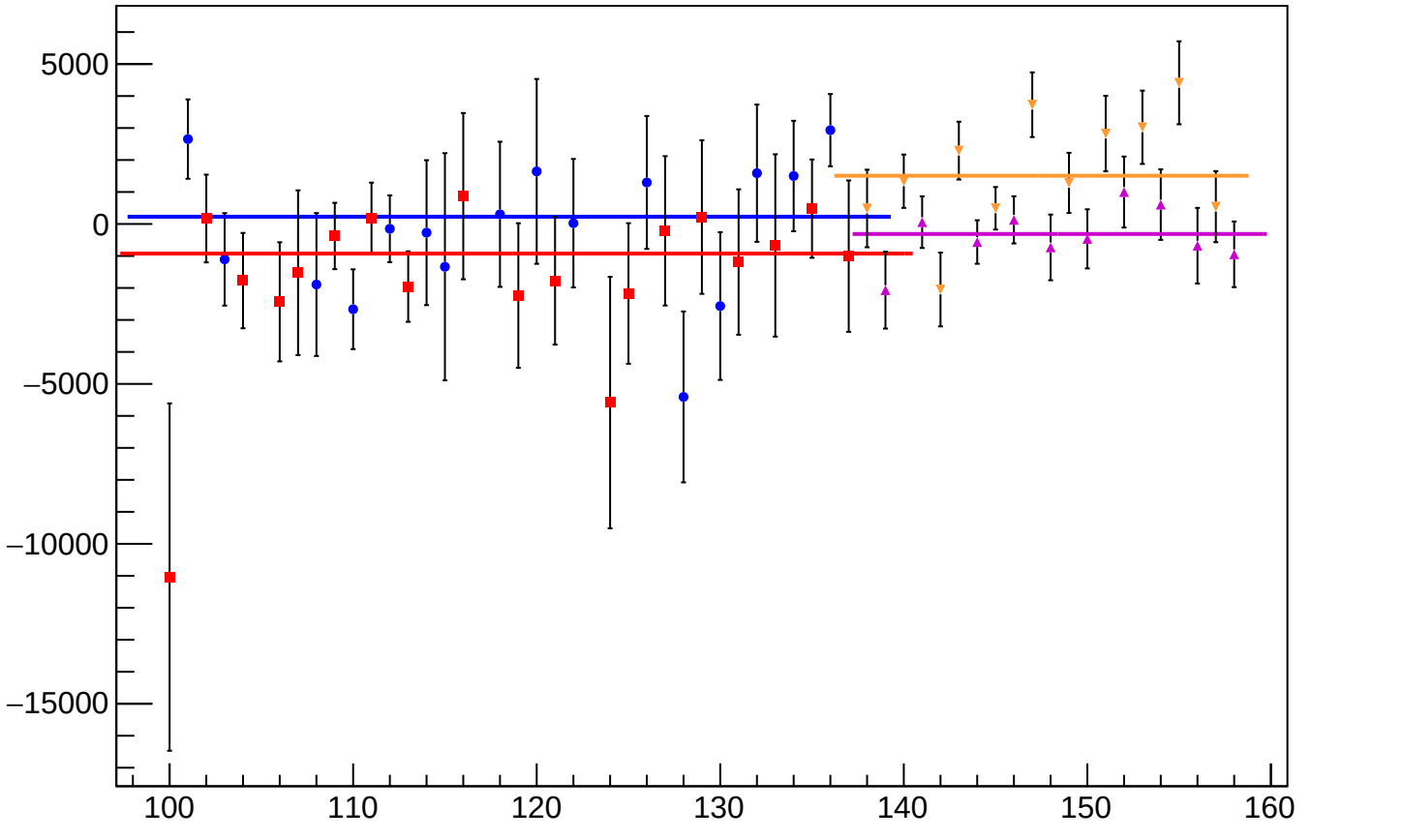
Left: 832.283+/-0.145 χ^2/NDF: 1371470.6/20

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 911.960+/-0.168 χ^2/NDF:2131279.6/25

Out: 901.139+/-0.165 χ^2/NDF:2337559.4/29

All: 906.456+/-0.118 χ^2/NDF: 4470949.4/55



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1507.963+/-296.932 χ^2/NDF:27.0/10

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -312.615+/-293.105 χ^2/NDF:5.6/9

Left: 585.866+/-208.596 χ^2/NDF: 51.6/20

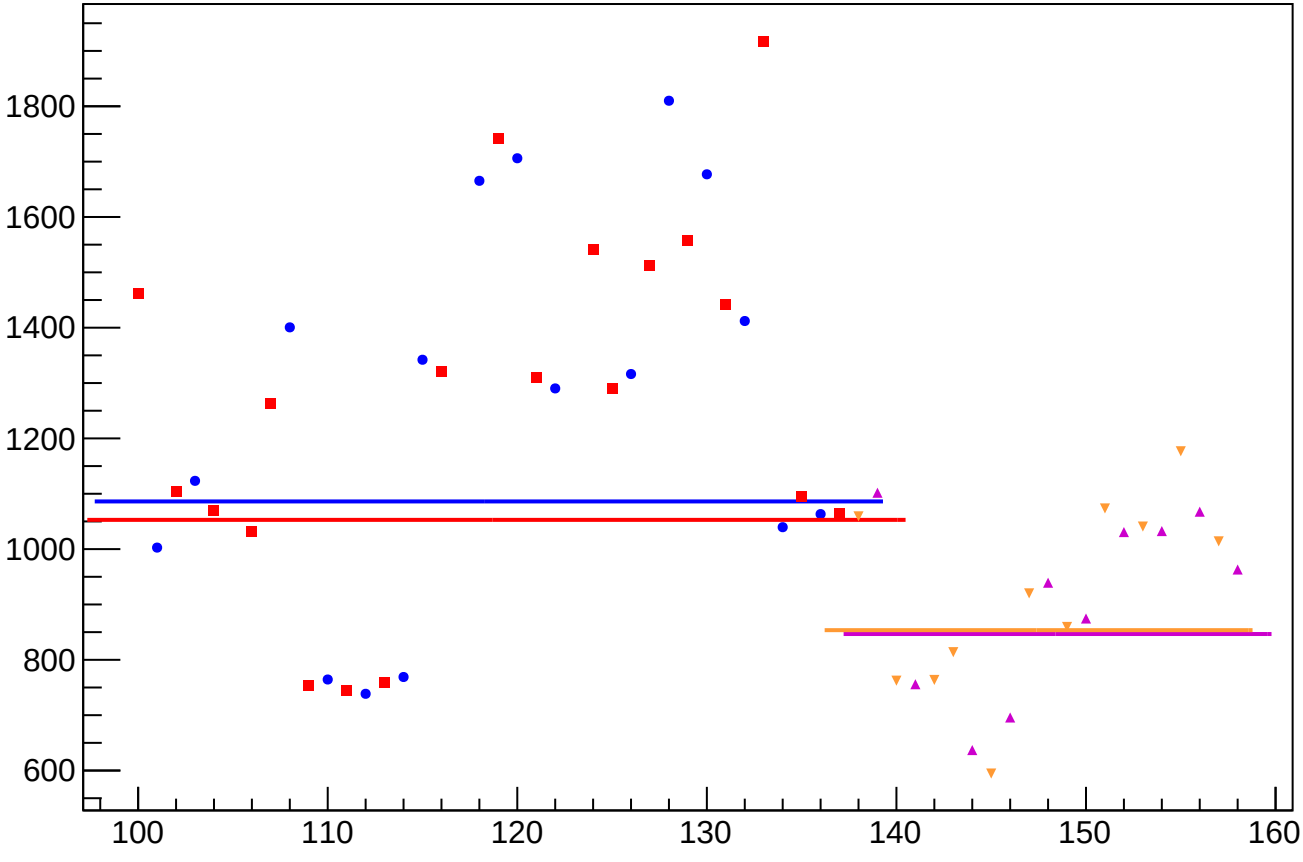
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -136.756+/-240.704 χ^2/NDF:31.2/25

Out: 652.652+/-239.073 χ^2/NDF:61.8/29

All: 260.633+/-169.624 χ^2/NDF: 98.3/55

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 853.586+/-0.210 χ^2/NDF:698043.8/10

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 846.623+/-0.207 χ^2/NDF:614387.6/9

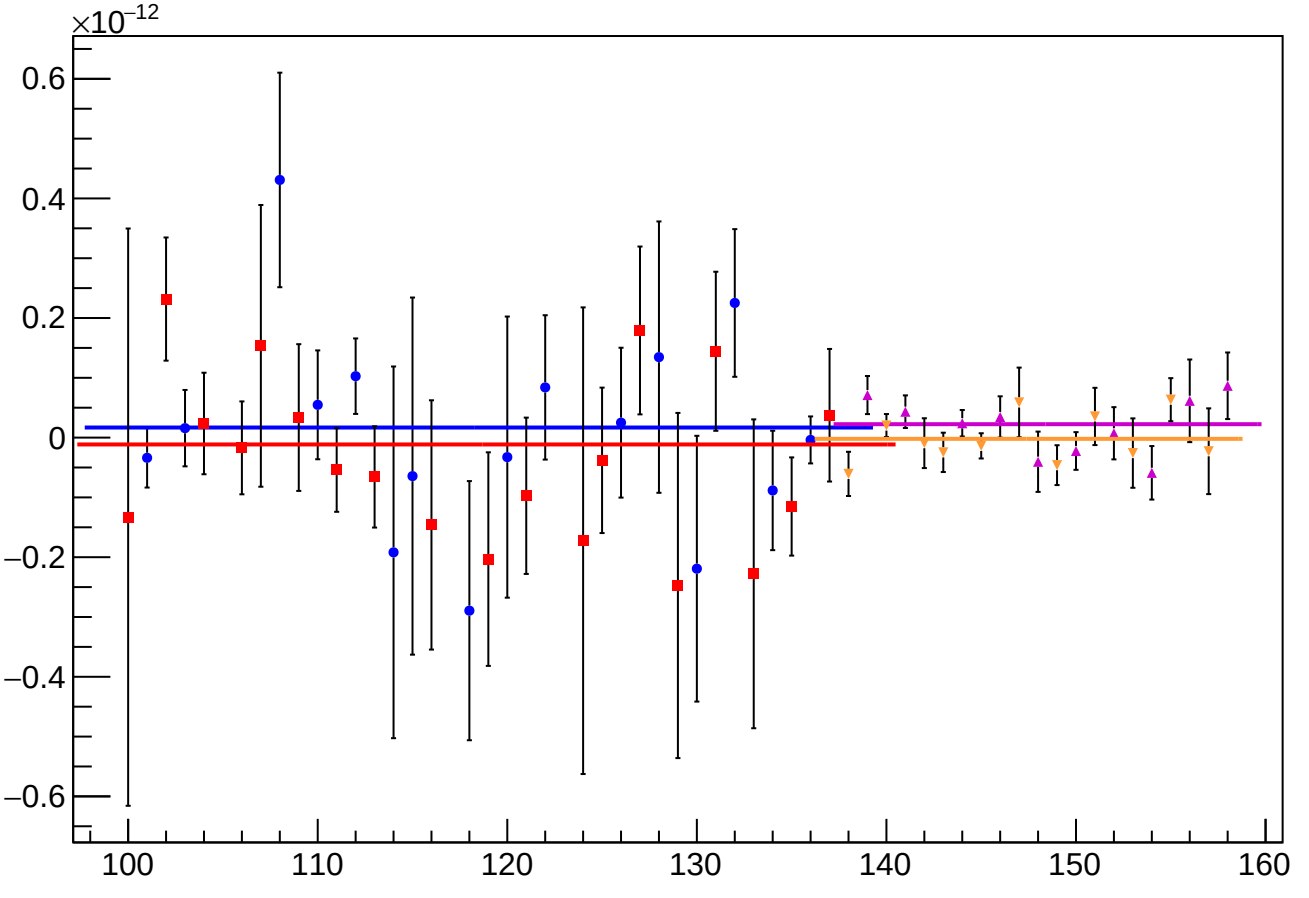
Left: 850.060+/-0.147 χ^2/NDF: 1312988.3/20

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 924.608+/-0.170 χ^2/NDF:2096699.8/25

Out: 923.670+/-0.169 χ^2/NDF:2209215.7/29

All: 924.136+/-0.120 χ^2/NDF: 4305930.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/9

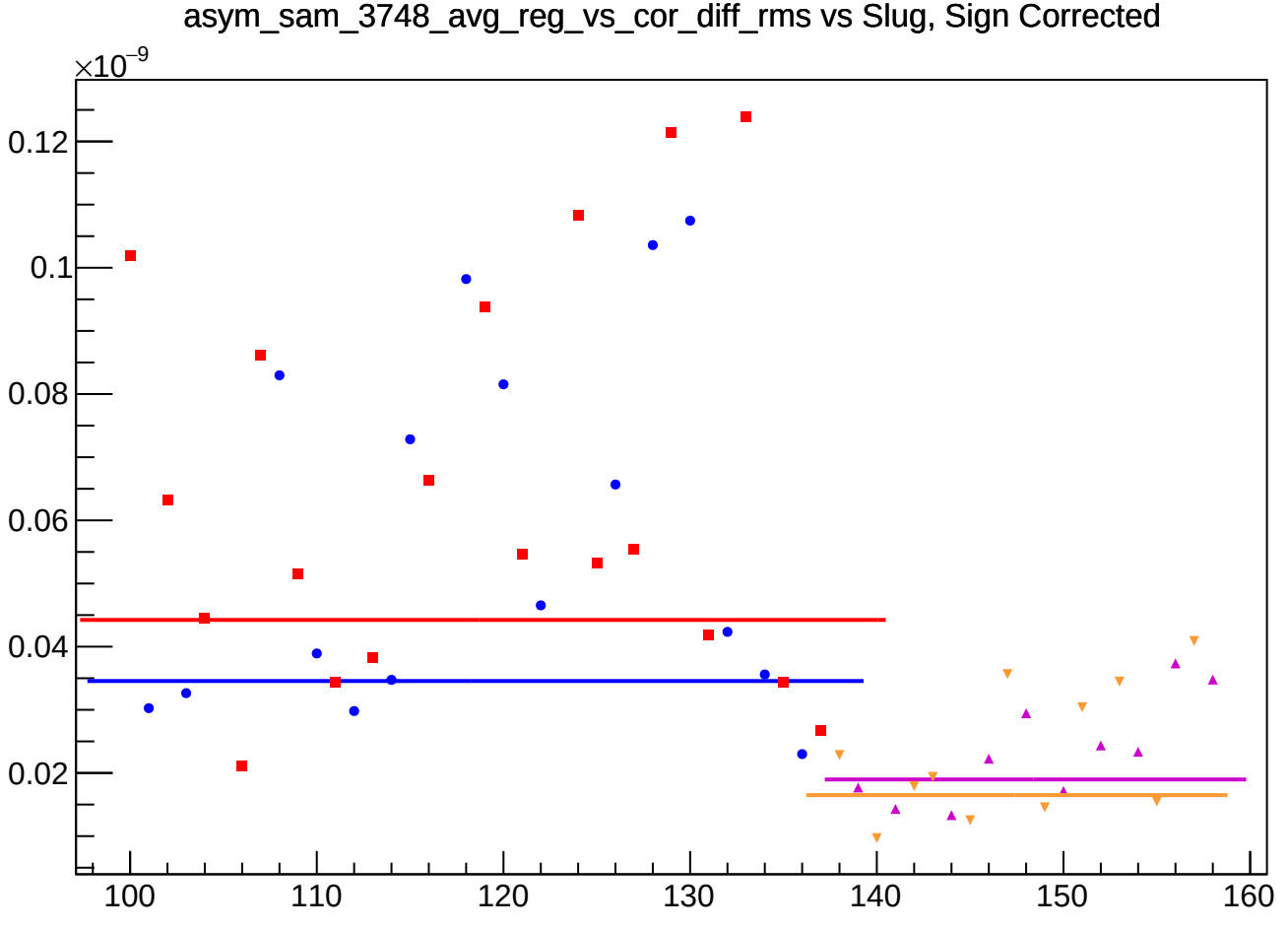
Left: 0.000+/-0.000 χ^2/NDF: 26.1/20

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:28.7/25

Out: -0.000+/-0.000 χ^2/NDF:27.6/29

All: 0.000+/-0.000 χ^2/NDF: 59.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1215910.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:655872.5/9

Left: 0.000+/-0.000 χ^2/NDF: 1927061.2/20

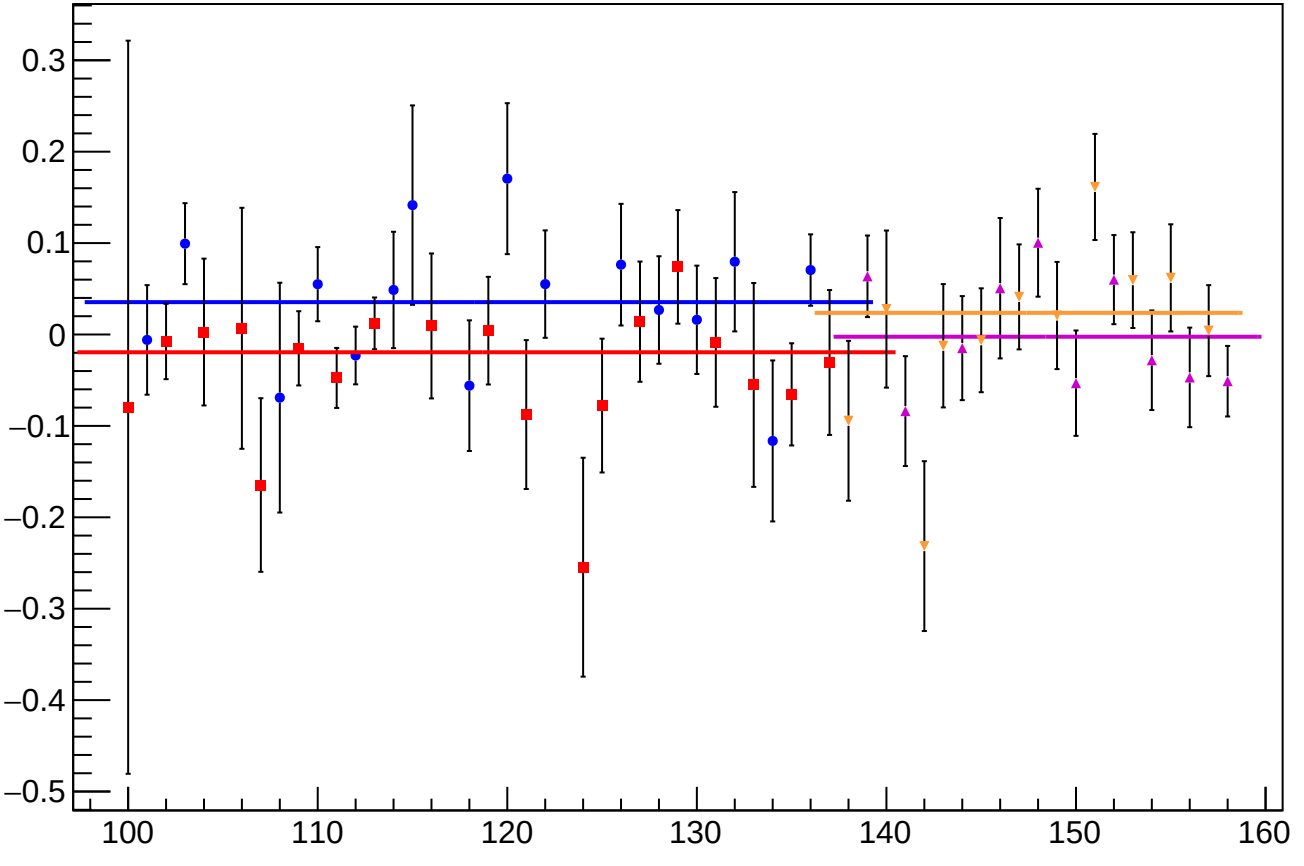
Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2656515.1/25

Out: 0.000+/-0.000 χ^2/NDF:4160183.8/29

All: 0.000+/-0.000 χ^2/NDF: 6874984.8/55

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.017 χ^2/NDF:12.5/9

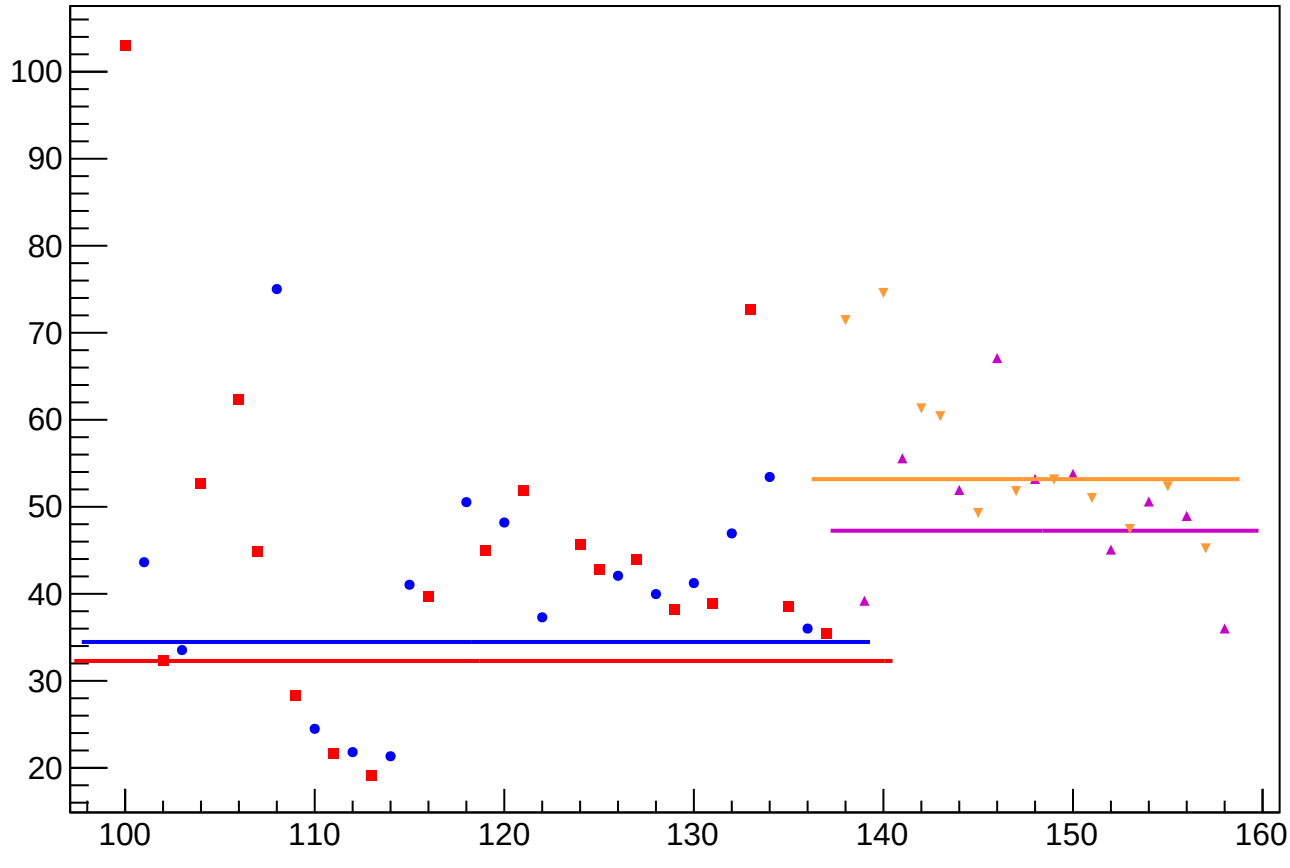
Left: 0.009+/-0.012 χ^2/NDF: 30.3/20

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.020+/-0.011 χ^2/NDF:32.5/25

Out: -0.005+/-0.011 χ^2/NDF:33.6/29

All: 0.007+/-0.008 χ^2/NDF: 68.9/55



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 53.180+/-0.013 χ^2/NDF:338287.0/10

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.253+/-0.012 χ^2/NDF:479401.1/9

Left: 49.873+/-0.009 χ^2/NDF: 929839.4/20

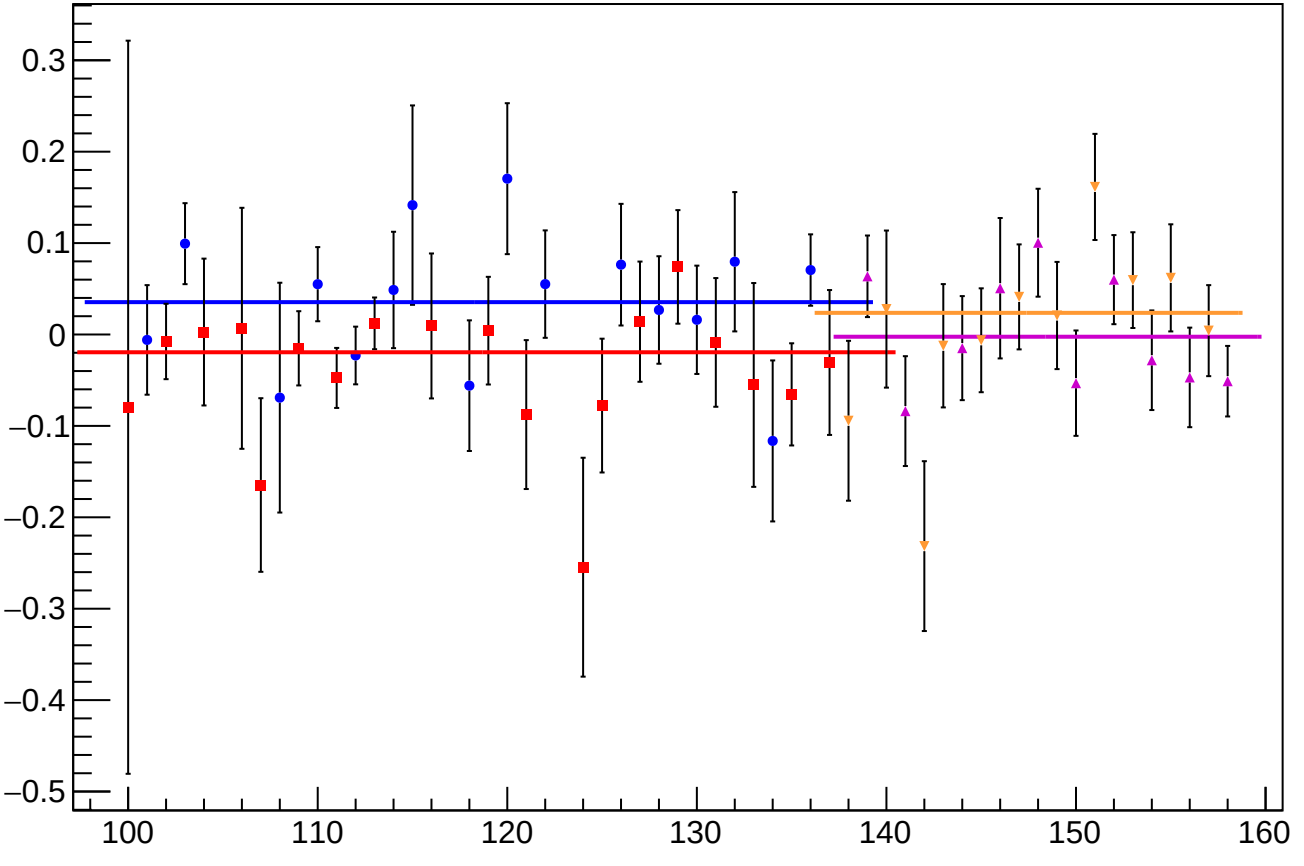
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.718+/-0.008 χ^2/NDF:2346333.3/25

Out: 39.182+/-0.008 χ^2/NDF:3684574.8/29

All: 39.452+/-0.005 χ^2/NDF: 6033421.4/55

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.017 χ^2/NDF:12.5/9

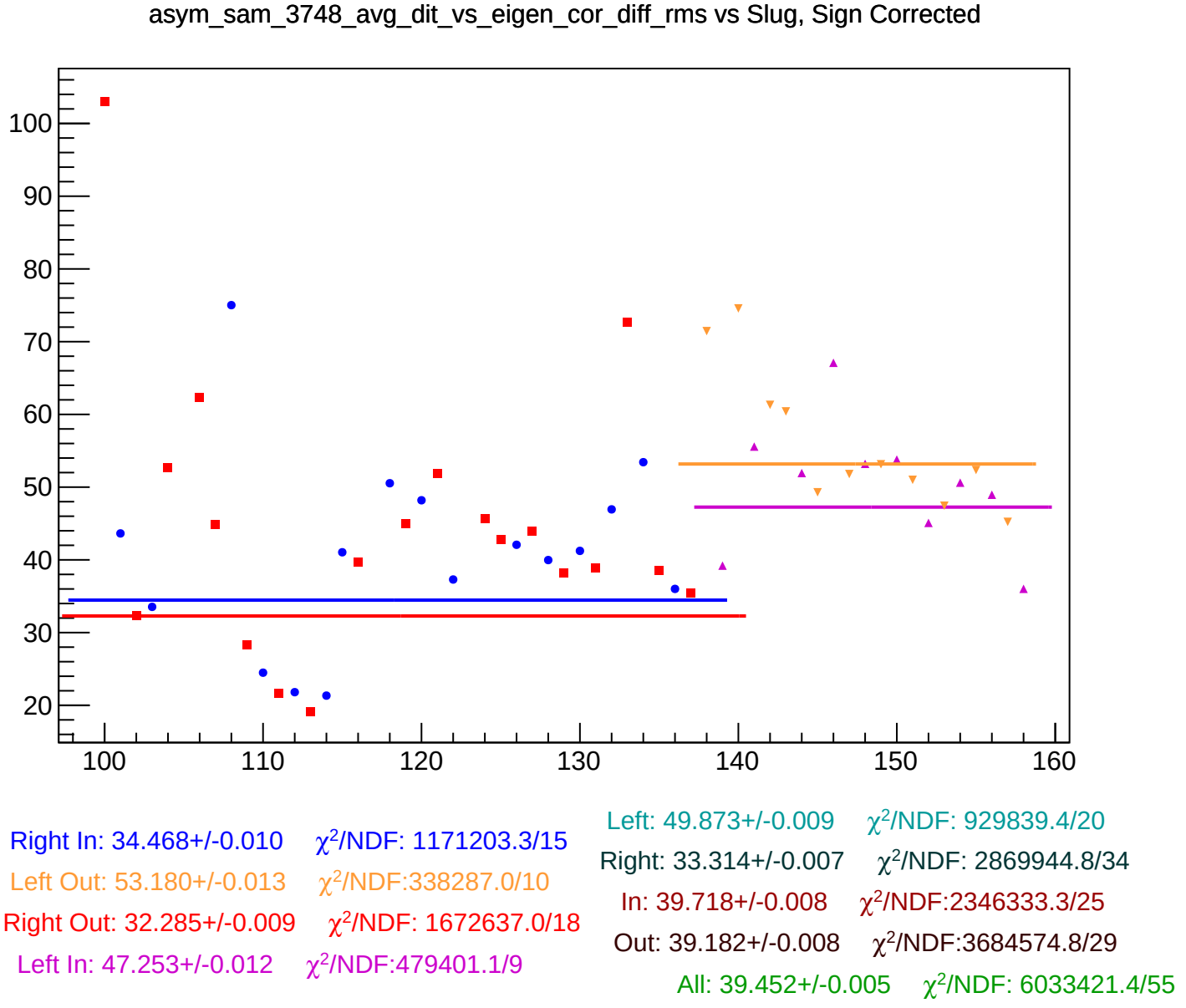
Left: 0.009+/-0.012 χ^2/NDF: 30.3/20

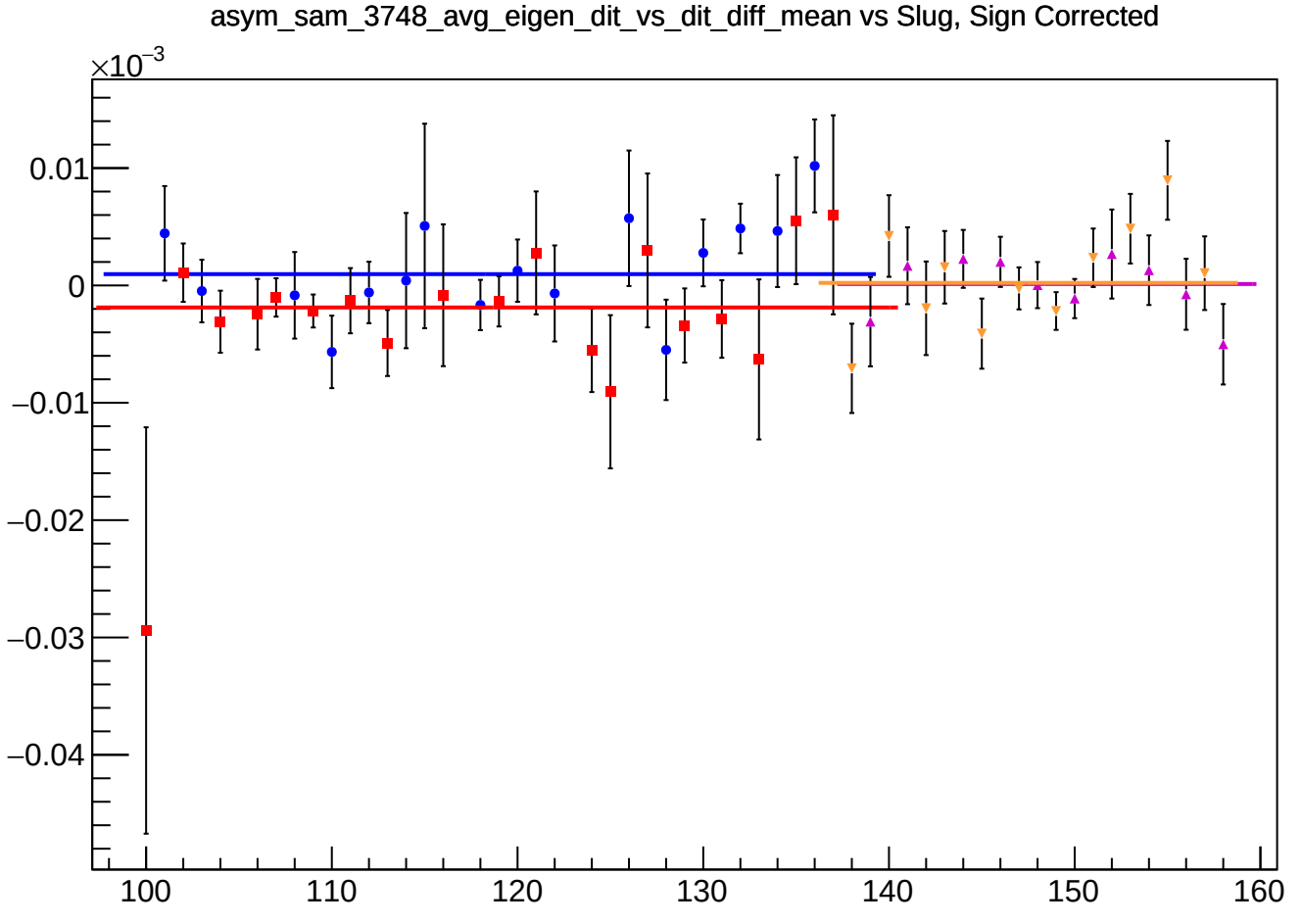
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.020+/-0.011 χ^2/NDF:32.5/25

Out: -0.005+/-0.011 χ^2/NDF:33.6/29

All: 0.007+/-0.008 χ^2/NDF: 68.9/55


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 53.180+/-0.013 χ²/NDF:338287.0/10
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 47.253+/-0.012 χ²/NDF:479401.1/9
Left: 49.873+/-0.009 χ²/NDF: 929839.4/20
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 39.718+/-0.008 χ²/NDF:2346333.3/25
Out: 39.182+/-0.008 χ²/NDF:3684574.8/29
All: 39.452+/-0.005 χ²/NDF: 6033421.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/9

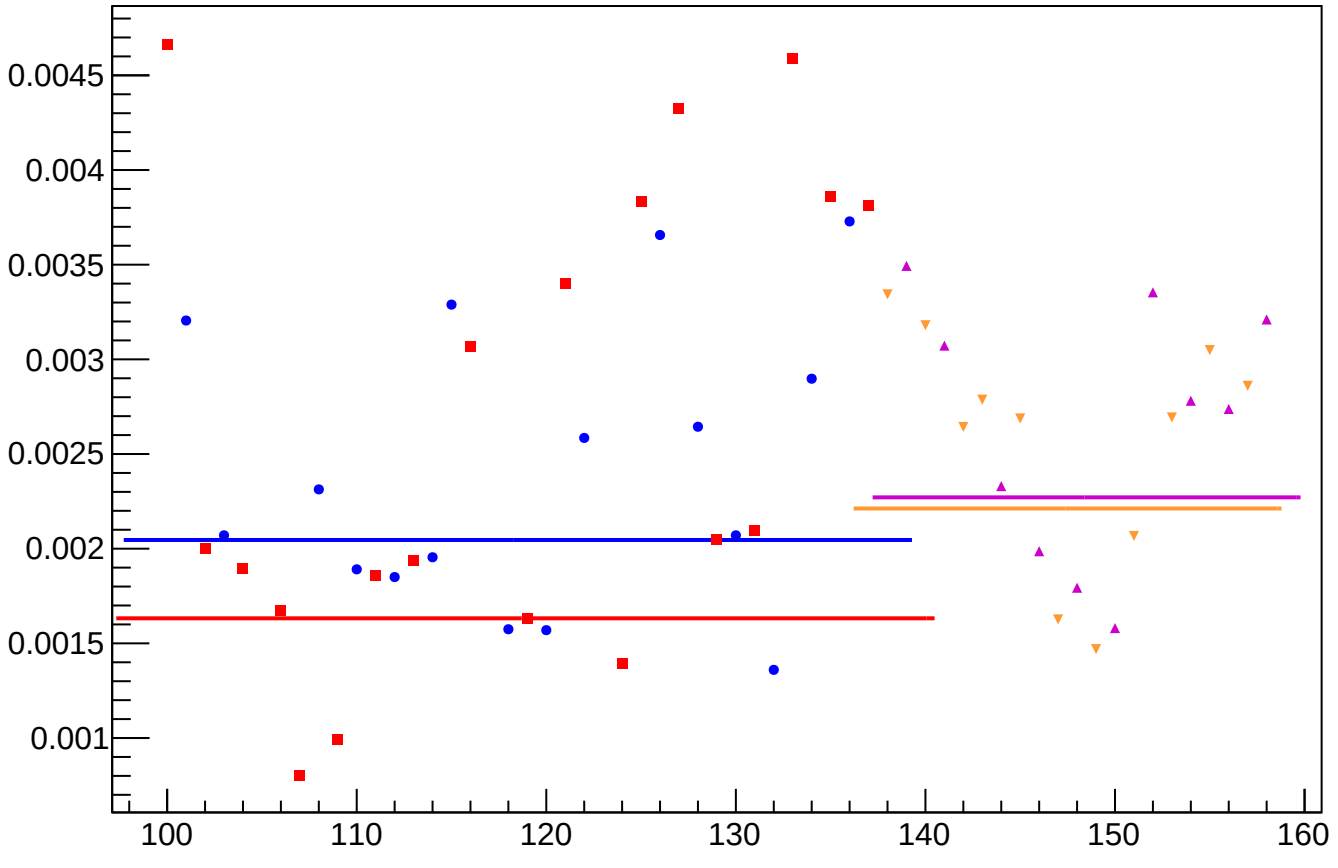
Left: 0.000+/-0.000 χ^2/NDF: 25.8/20

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:27.4/25

Out: -0.000+/-0.000 χ^2/NDF:36.8/29

All: -0.000+/-0.000 χ^2/NDF: 68.3/55



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1384145.4/10

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1241603.9/9

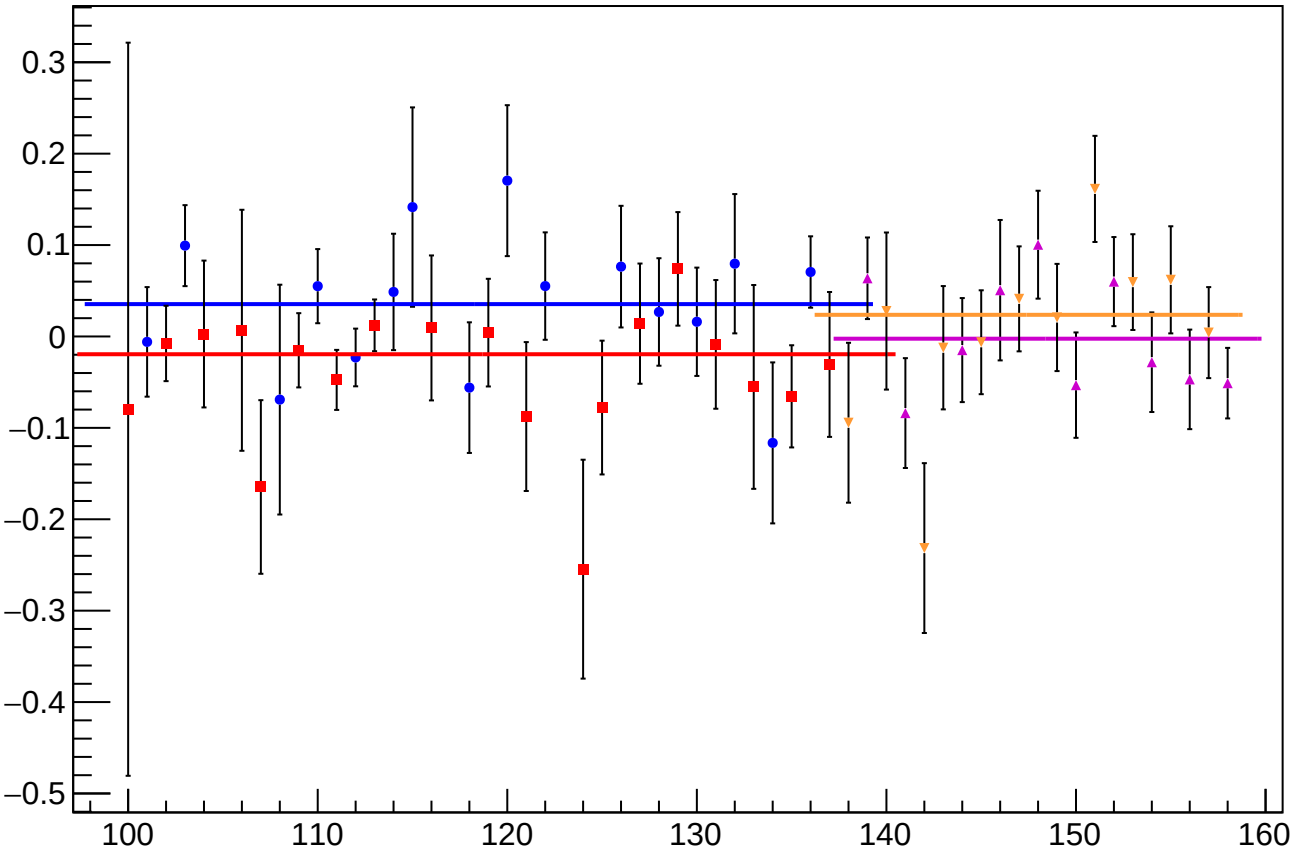
Left: 0.002+/-0.000 χ^2/NDF: 2631156.6/20

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:2579755.6/25

Out: 0.002+/-0.000 χ^2/NDF:4938147.8/29

All: 0.002+/-0.000 χ^2/NDF: 7793425.0/55



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.017 χ^2/NDF:12.5/9

Left: 0.009+/-0.012 χ^2/NDF: 30.3/20

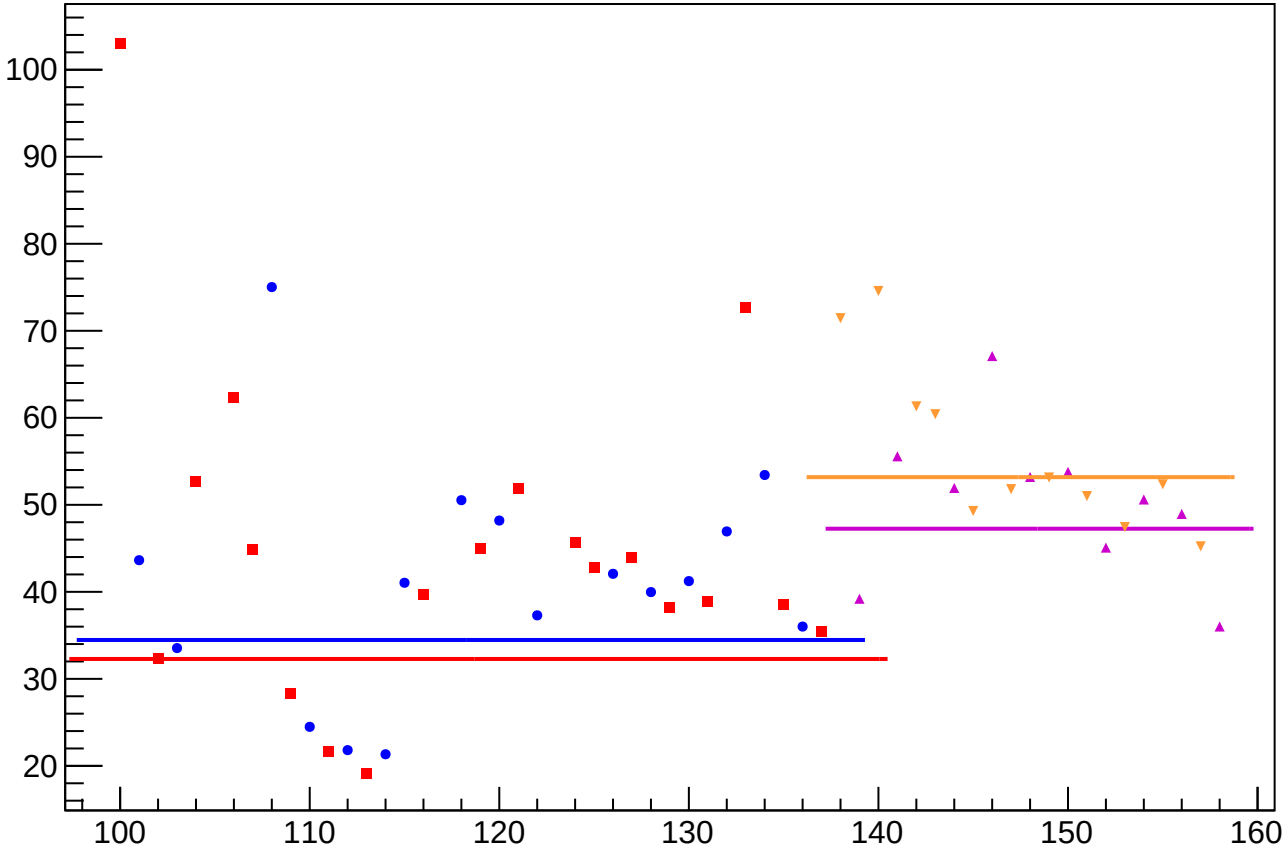
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.020+/-0.011 χ^2/NDF:32.5/25

Out: -0.005+/-0.011 χ^2/NDF:33.6/29

All: 0.007+/-0.008 χ^2/NDF: 68.9/55

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 53.181+/-0.013 χ^2/NDF:338262.2/10

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.254+/-0.012 χ^2/NDF:479422.3/9

Left: 49.874+/-0.009 χ^2/NDF: 929847.9/20

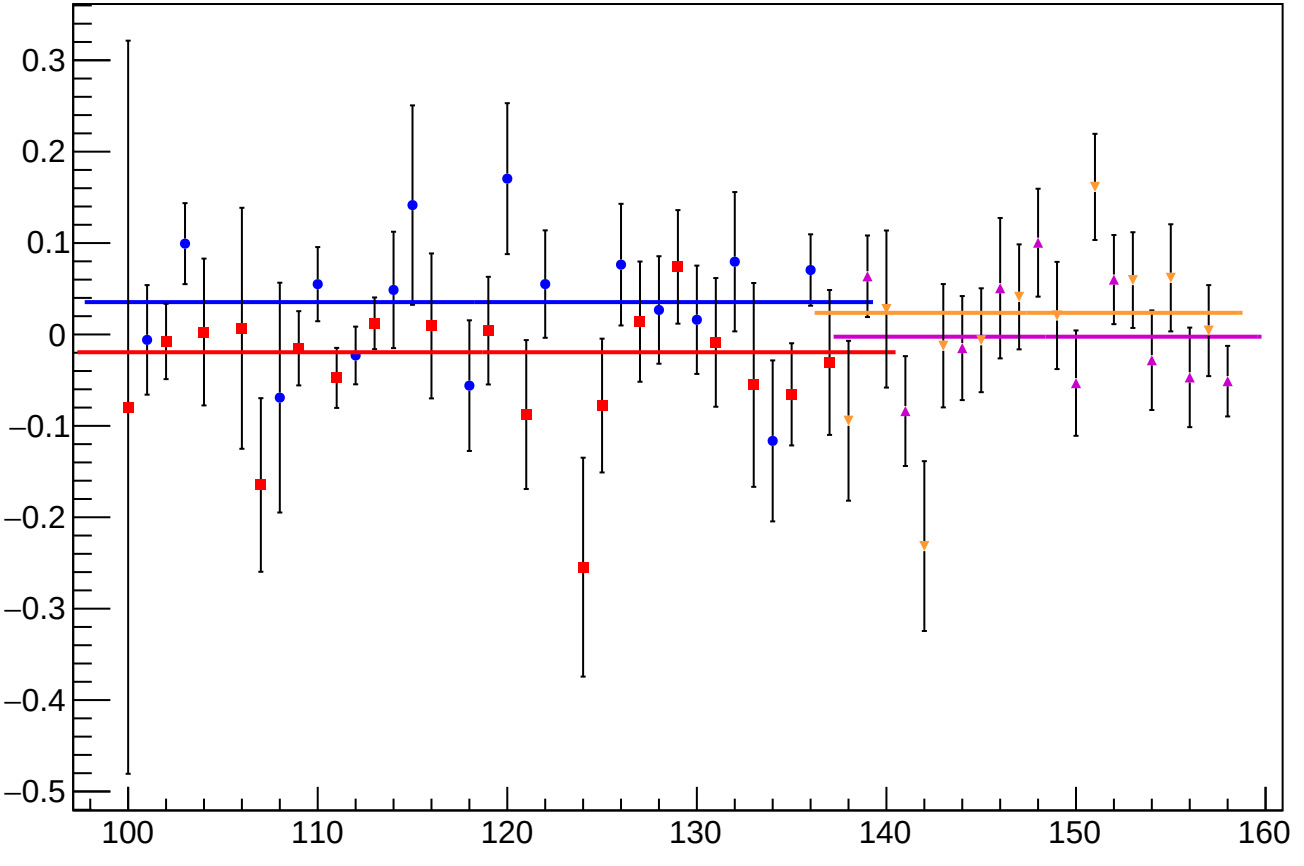
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.719+/-0.008 χ^2/NDF:2346323.6/25

Out: 39.182+/-0.008 χ^2/NDF:3684573.7/29

All: 39.453+/-0.005 χ^2/NDF: 6033409.6/55

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.017 χ^2/NDF:12.5/9

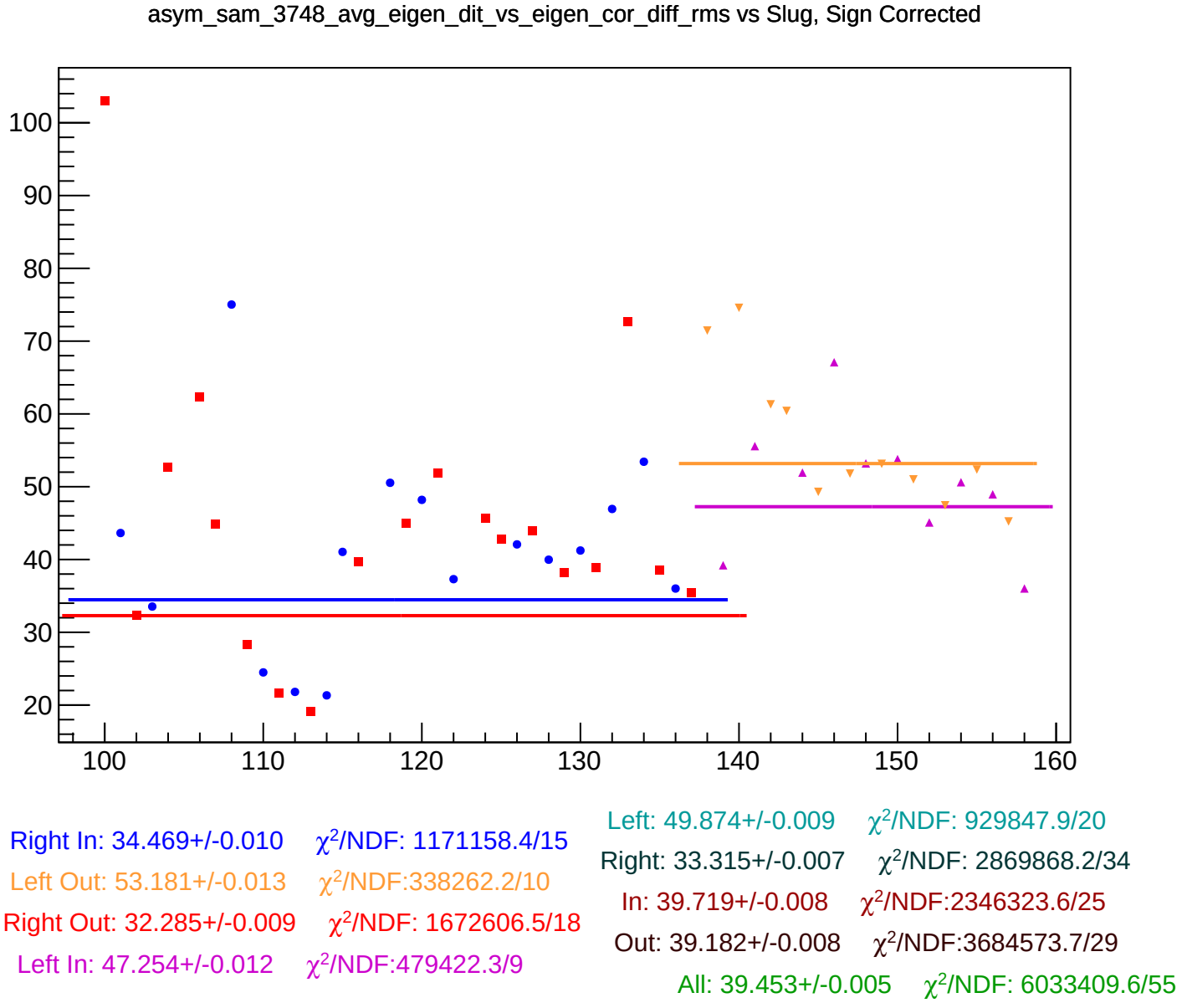
Left: 0.009+/-0.012 χ^2/NDF: 30.3/20

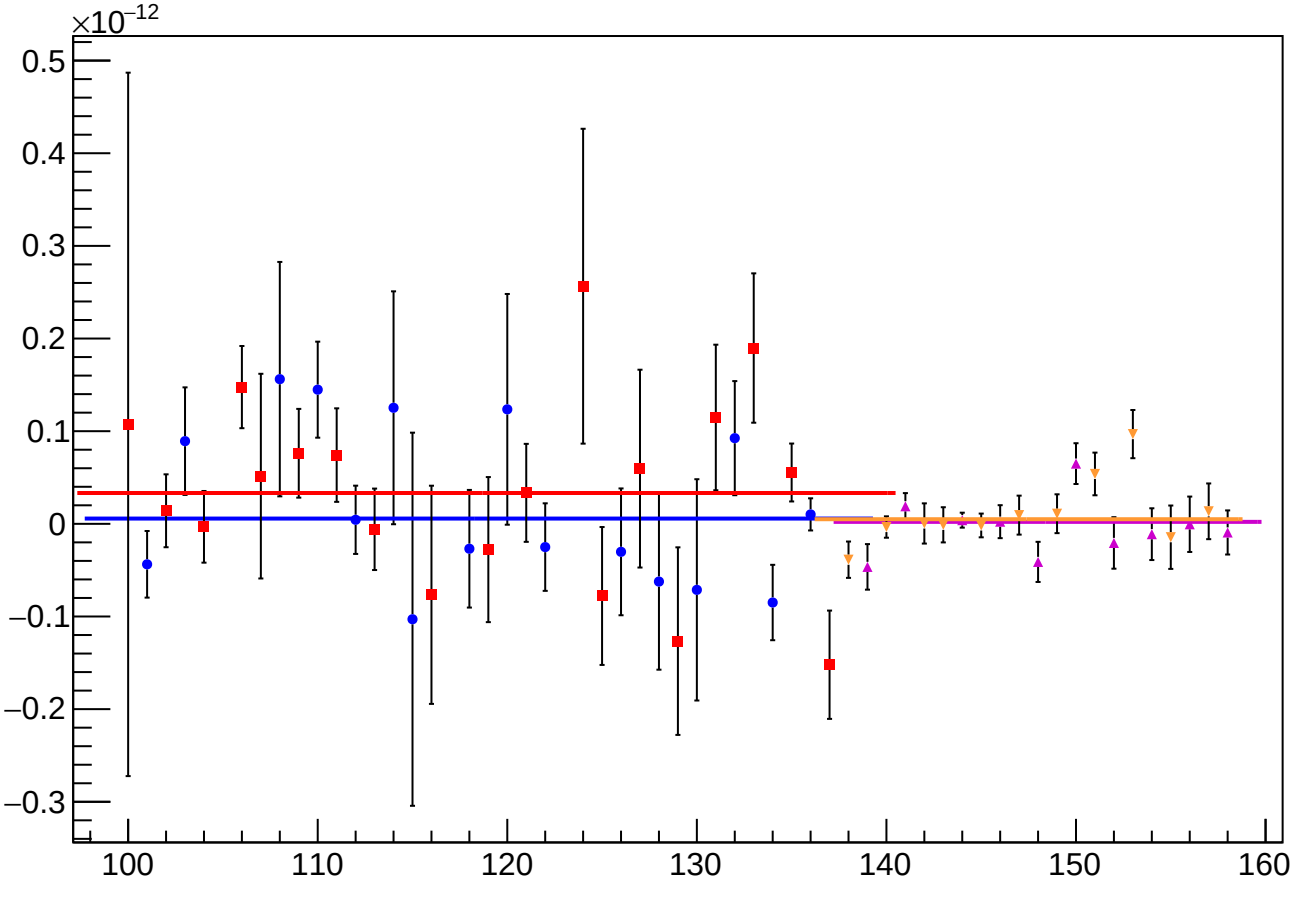
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.020+/-0.011 χ^2/NDF:32.5/25

Out: -0.005+/-0.011 χ^2/NDF:33.6/29

All: 0.007+/-0.008 χ^2/NDF: 68.9/55


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 53.181+/-0.013 χ²/NDF:338262.2/10
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 47.254+/-0.012 χ²/NDF:479422.3/9
Left: 49.874+/-0.009 χ²/NDF: 929847.9/20
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 39.719+/-0.008 χ²/NDF:2346323.6/25
Out: 39.182+/-0.008 χ²/NDF:3684573.7/29
All: 39.453+/-0.005 χ²/NDF: 6033409.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/9

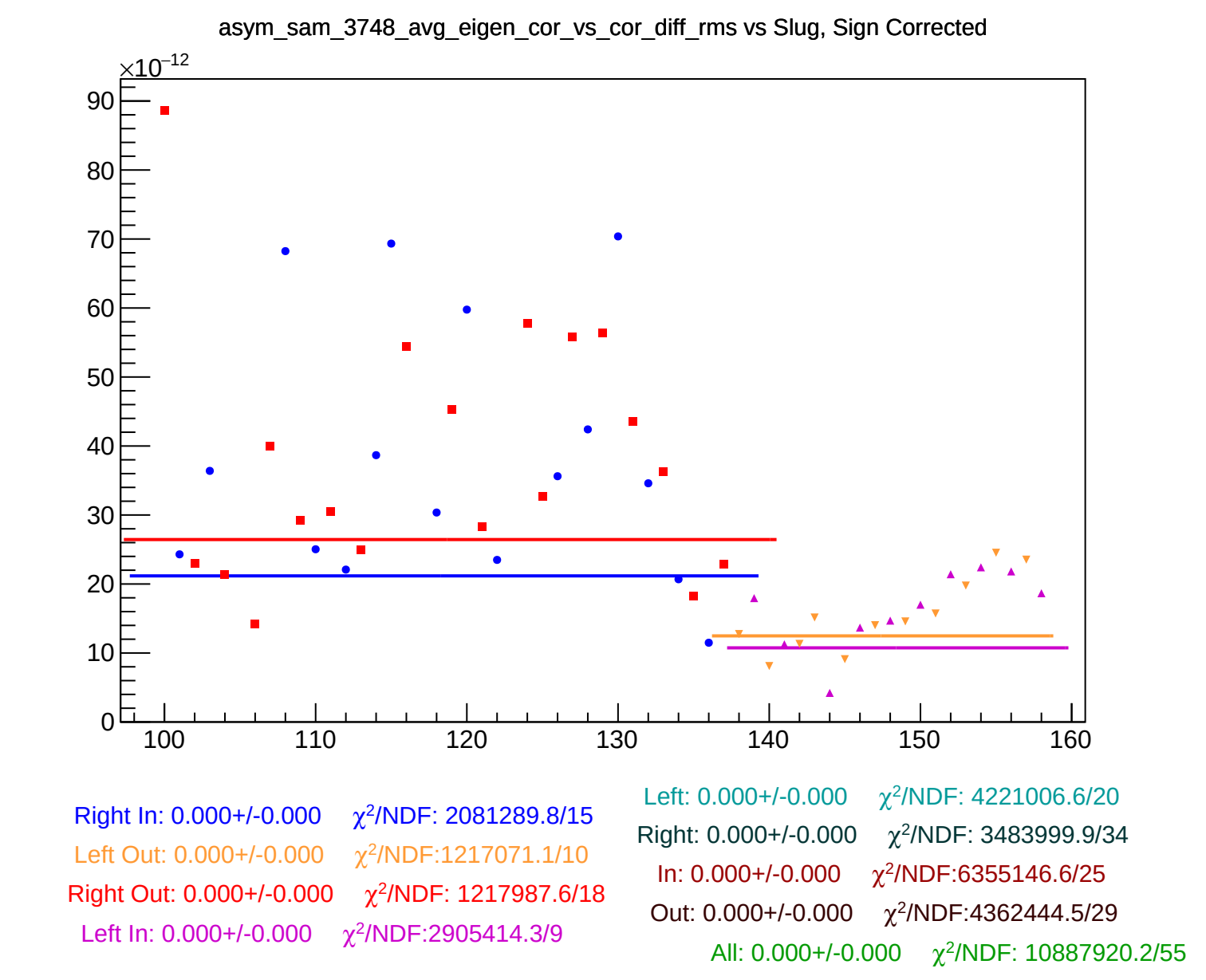
Left: 0.000+/-0.000 χ^2/NDF: 42.2/20

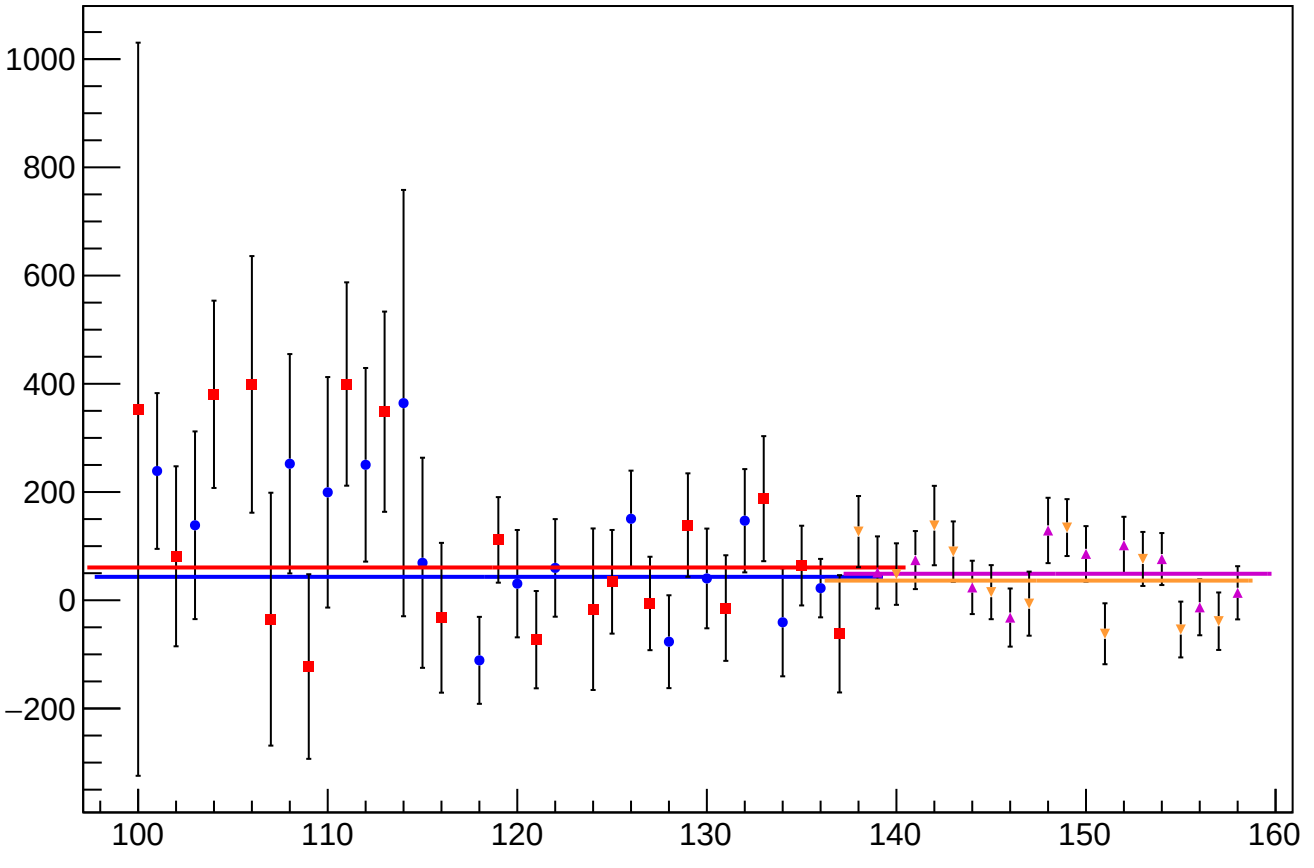
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:42.3/25

Out: 0.000+/-0.000 χ^2/NDF:60.9/29

All: 0.000+/-0.000 χ^2/NDF: 104.1/55


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1217071.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:2905414.3/9
Left: 0.000+/-0.000 χ²/NDF: 4221006.6/20
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6355146.6/25
Out: 0.000+/-0.000 χ²/NDF:4362444.5/29
All: 0.000+/-0.000 χ²/NDF: 10887920.2/55



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 36.325+/-16.801 χ^2/NDF:17.7/10

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 48.946+/-16.740 χ^2/NDF:8.3/9

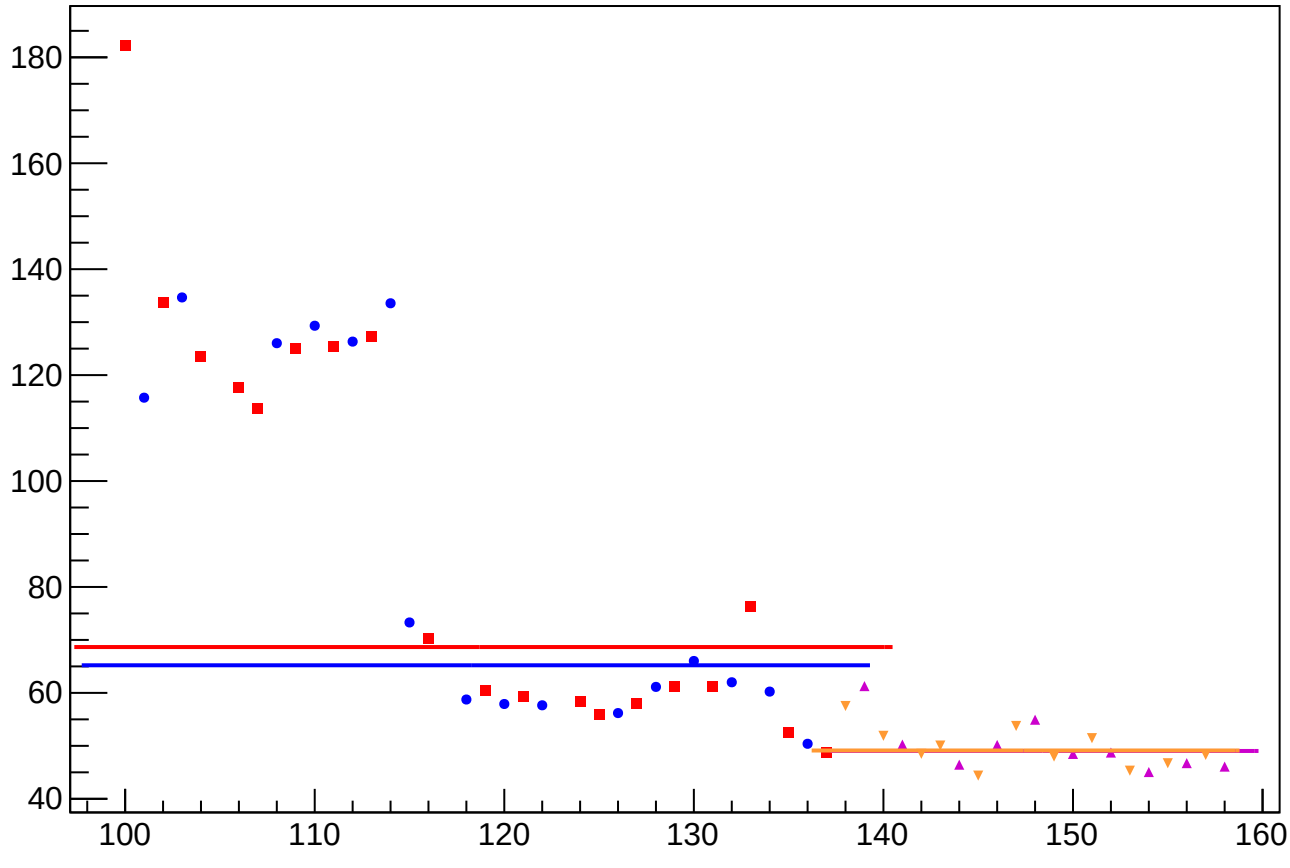
Left: 42.659+/-11.858 χ^2/NDF: 26.3/20

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 47.256+/-14.040 χ^2/NDF:23.3/25

Out: 43.134+/-14.249 χ^2/NDF:38.7/29

All: 45.226+/-10.001 χ^2/NDF: 62.0/55



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 49.121+/-0.012 χ^2/NDF:89240.5/10

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

Left: 49.077+/-0.008 χ^2/NDF: 208352.9/20

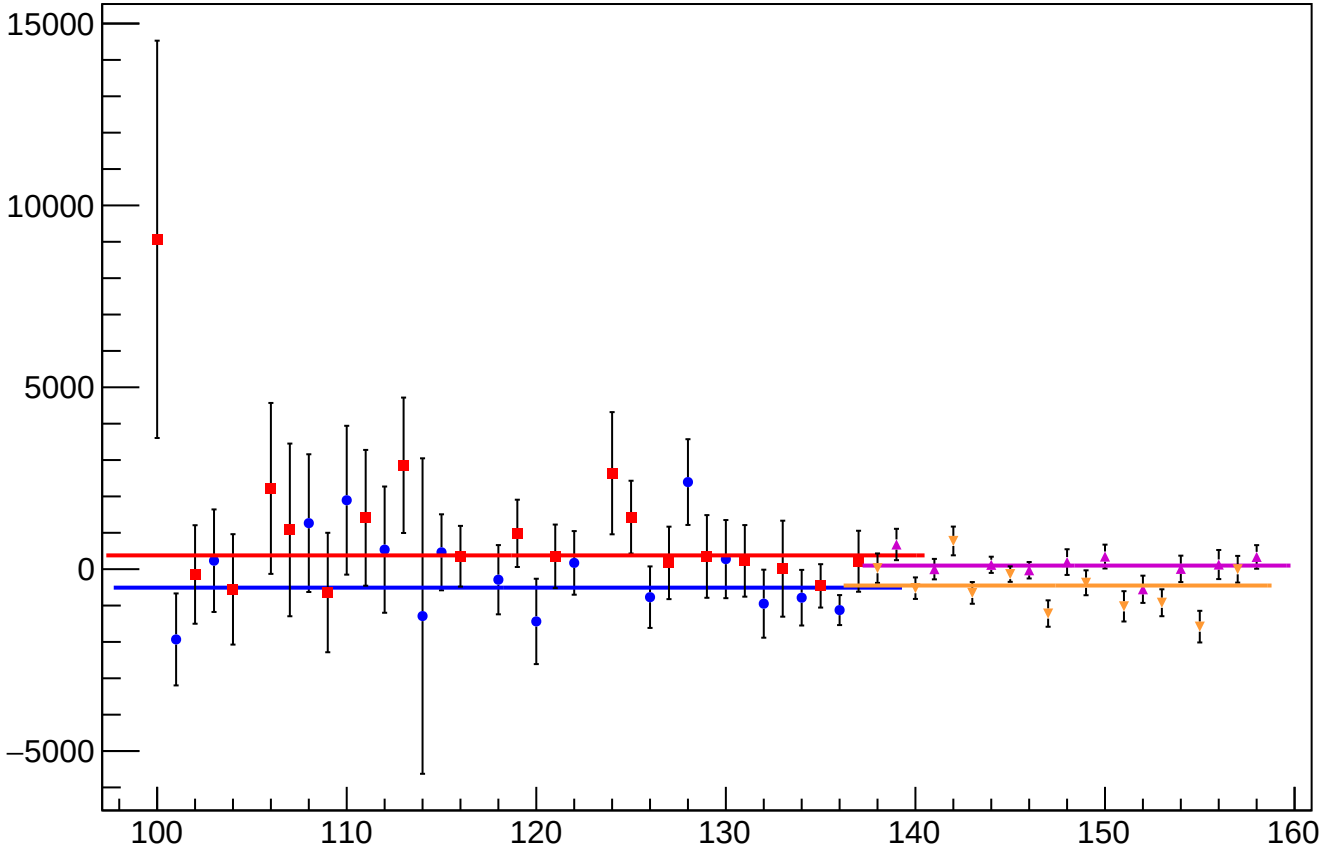
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 53.832+/-0.010 χ^2/NDF:2119621.3/25

Out: 54.604+/-0.010 χ^2/NDF:2489193.7/29

All: 54.213+/-0.007 χ^2/NDF: 4611796.2/55

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -449.706+/-100.466 χ^2/NDF:30.0/10

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 98.761+/-97.346 χ^2/NDF:6.5/9

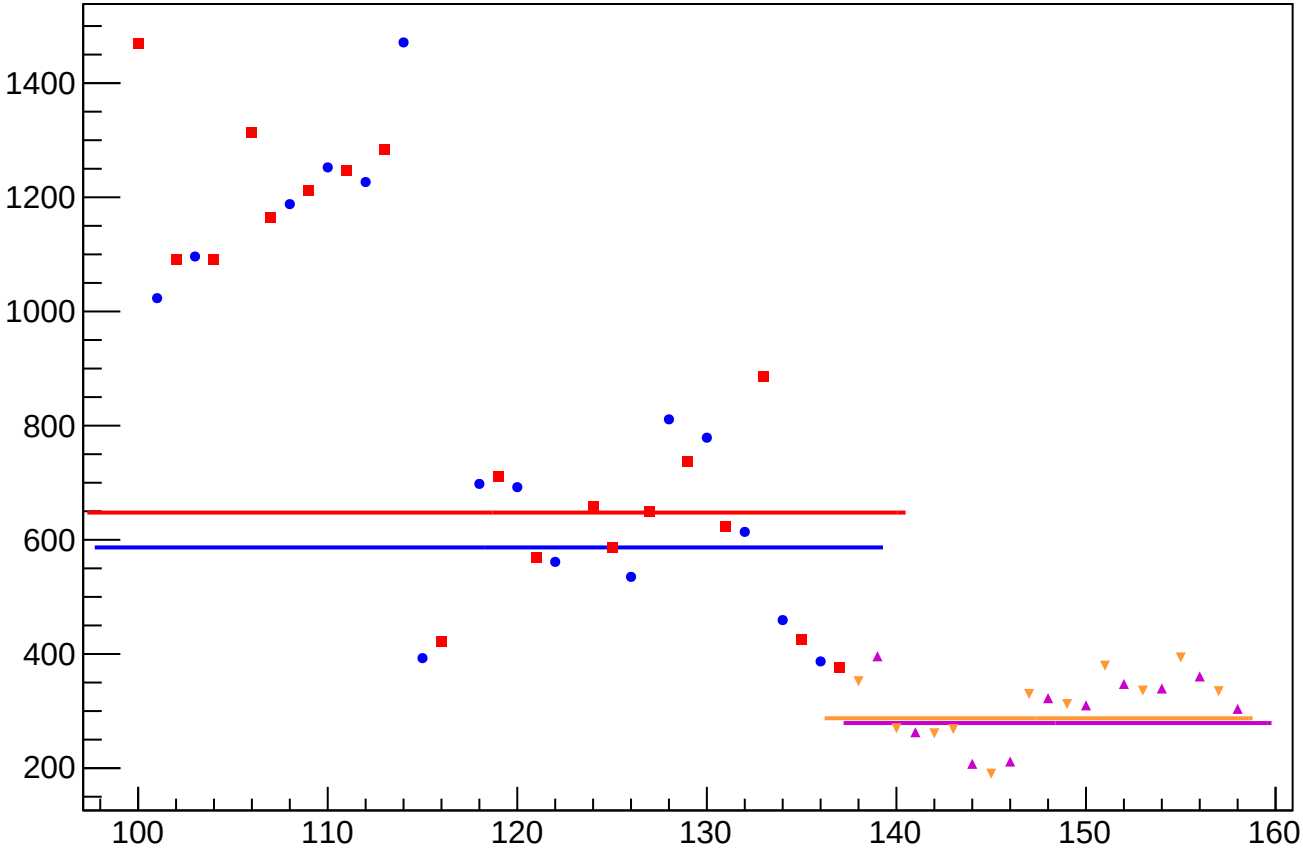
Left: -166.825+/-69.911 χ^2/NDF: 51.9/20

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 11.146+/-90.043 χ^2/NDF:27.8/25

Out: -339.427+/-93.542 χ^2/NDF:50.8/29

All: -157.462+/-64.872 χ^2/NDF: 85.9/55



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 287.458+/-0.071 χ^2/NDF:814231.3/10

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 279.076+/-0.069 χ^2/NDF:802362.9/9

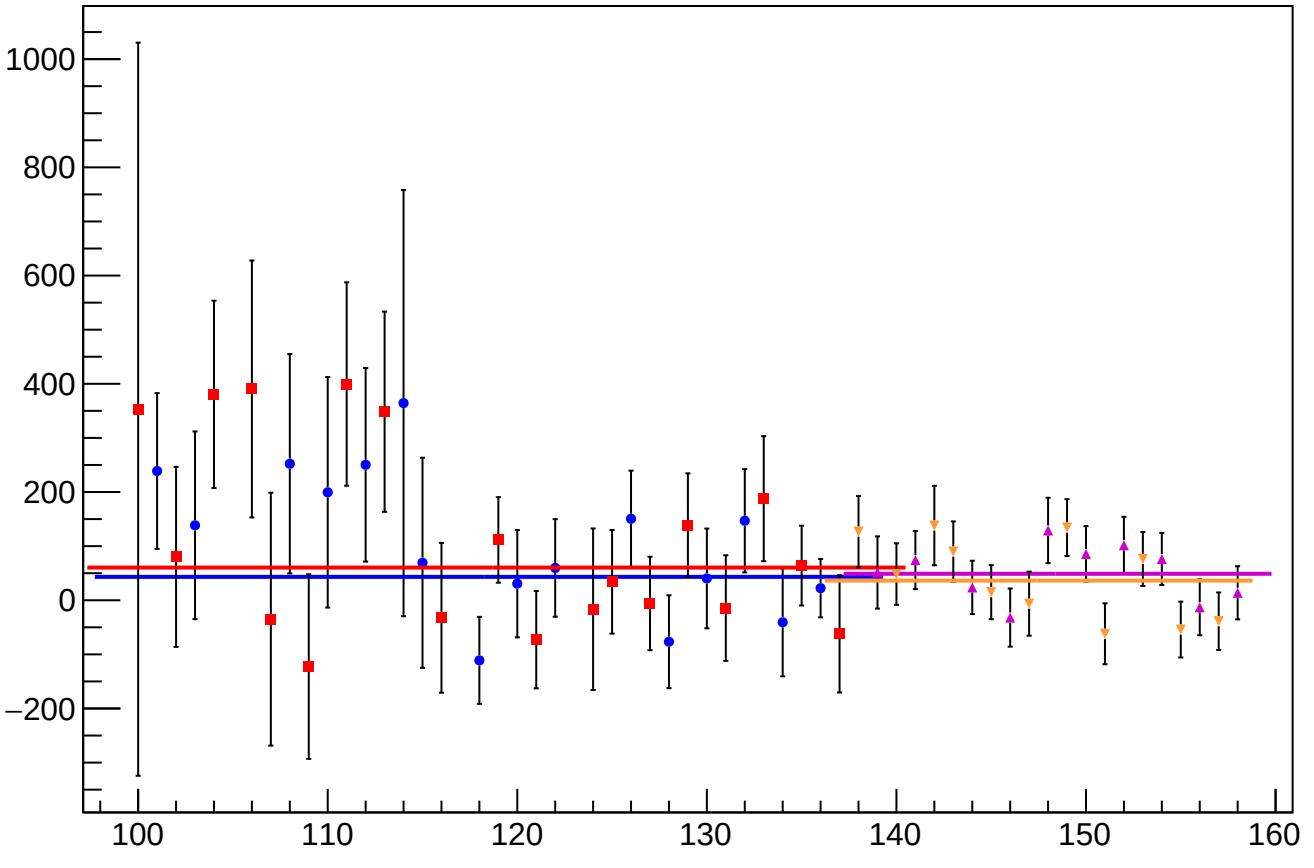
Left: 283.135+/-0.049 χ^2/NDF: 1623774.3/20

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 323.494+/-0.064 χ^2/NDF:5738760.5/25

Out: 335.408+/-0.066 χ^2/NDF:6342960.6/29

All: 329.224+/-0.046 χ^2/NDF: 12098562.4/55



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 36.328+/-16.801 χ^2/NDF:17.7/10

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 48.947+/-16.740 χ^2/NDF:8.3/9

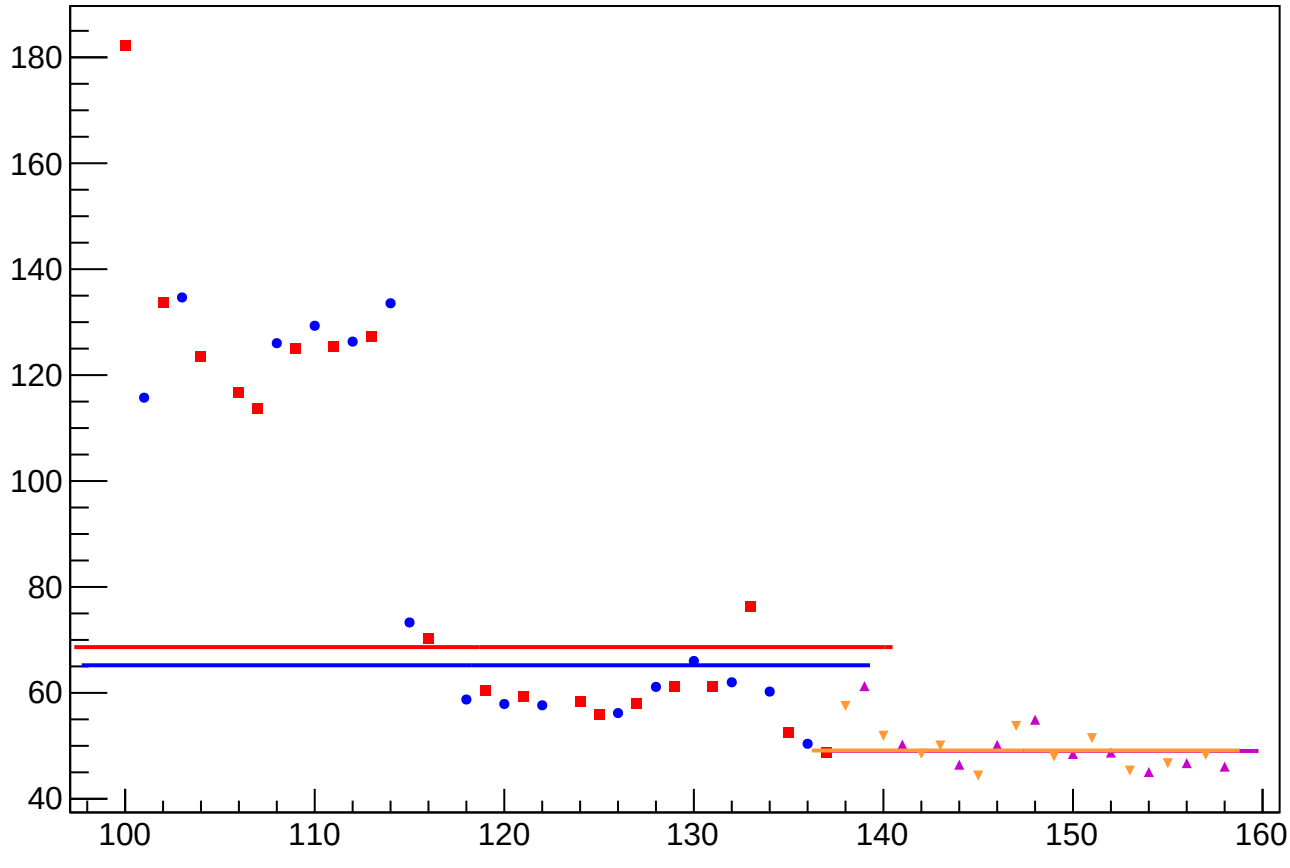
Left: 42.661+/-11.858 χ^2/NDF: 26.3/20

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 47.255+/-14.040 χ^2/NDF:23.3/25

Out: 43.094+/-14.249 χ^2/NDF:38.6/29

All: 45.205+/-10.001 χ^2/NDF: 61.9/55



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.121+/-0.012 χ^2/NDF:89240.5/10

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

Left: 49.077+/-0.008 χ^2/NDF: 208352.9/20

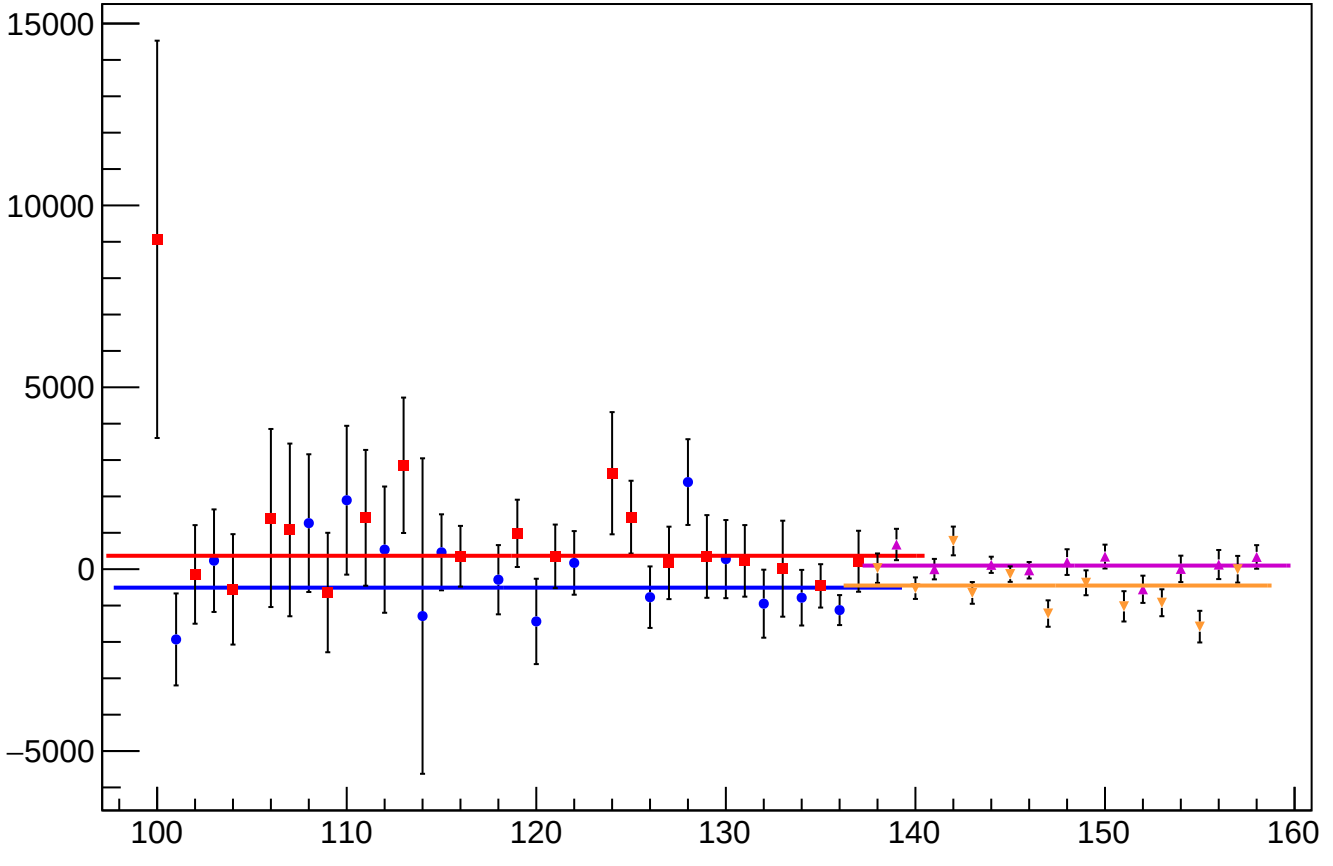
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 53.832+/-0.010 χ^2/NDF:2119623.5/25

Out: 54.600+/-0.010 χ^2/NDF:2484699.9/29

All: 54.210+/-0.007 χ^2/NDF: 4607271.7/55

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: -449.701+/-100.466 χ^2/NDF:30.0/10

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 98.761+/-97.346 χ^2/NDF:6.5/9

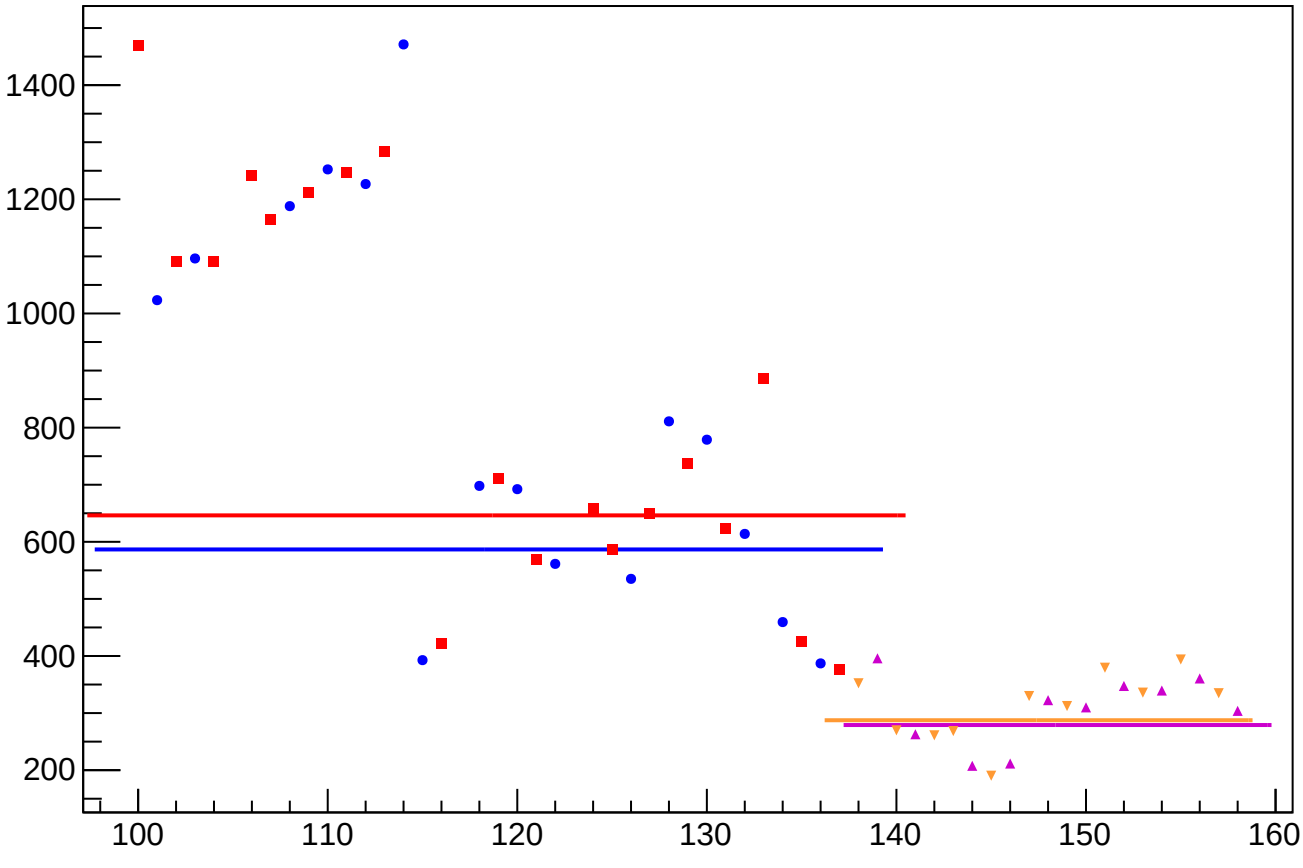
Left: -166.824+/-69.911 χ^2/NDF: 51.9/20

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 11.149+/-90.043 χ^2/NDF:27.8/25

Out: -340.922+/-93.548 χ^2/NDF:50.1/29

All: -158.168+/-64.874 χ^2/NDF: 85.2/55



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.458+/-0.071 χ^2/NDF:814235.5/10

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.076+/-0.069 χ^2/NDF:802358.2/9

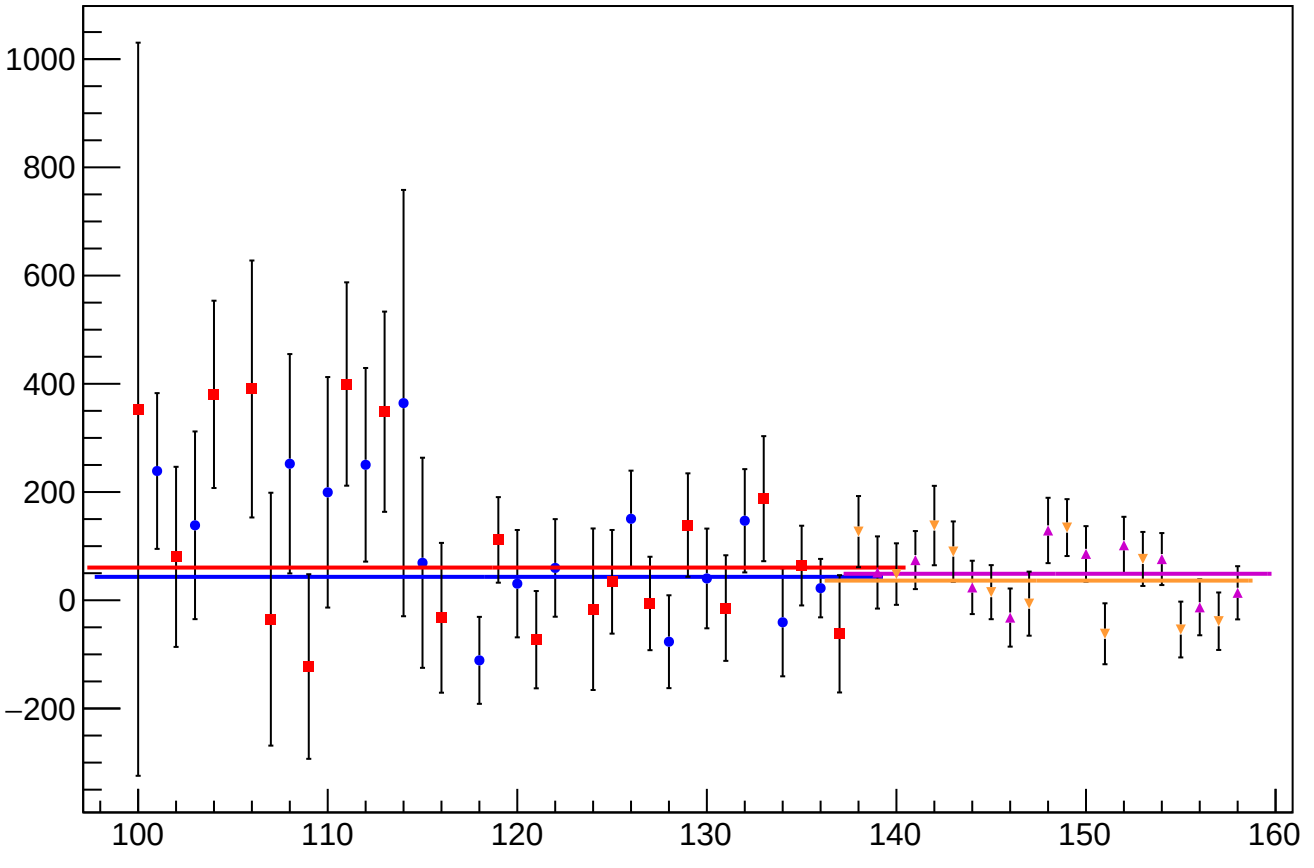
Left: 283.135+/-0.049 χ^2/NDF: 1623773.2/20

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 323.493+/-0.064 χ^2/NDF:5738777.6/25

Out: 335.179+/-0.066 χ^2/NDF:6270899.0/29

All: 329.113+/-0.046 χ^2/NDF: 12025876.9/55



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 36.328+/-16.801 χ^2/NDF:17.7/10

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 48.947+/-16.740 χ^2/NDF:8.3/9

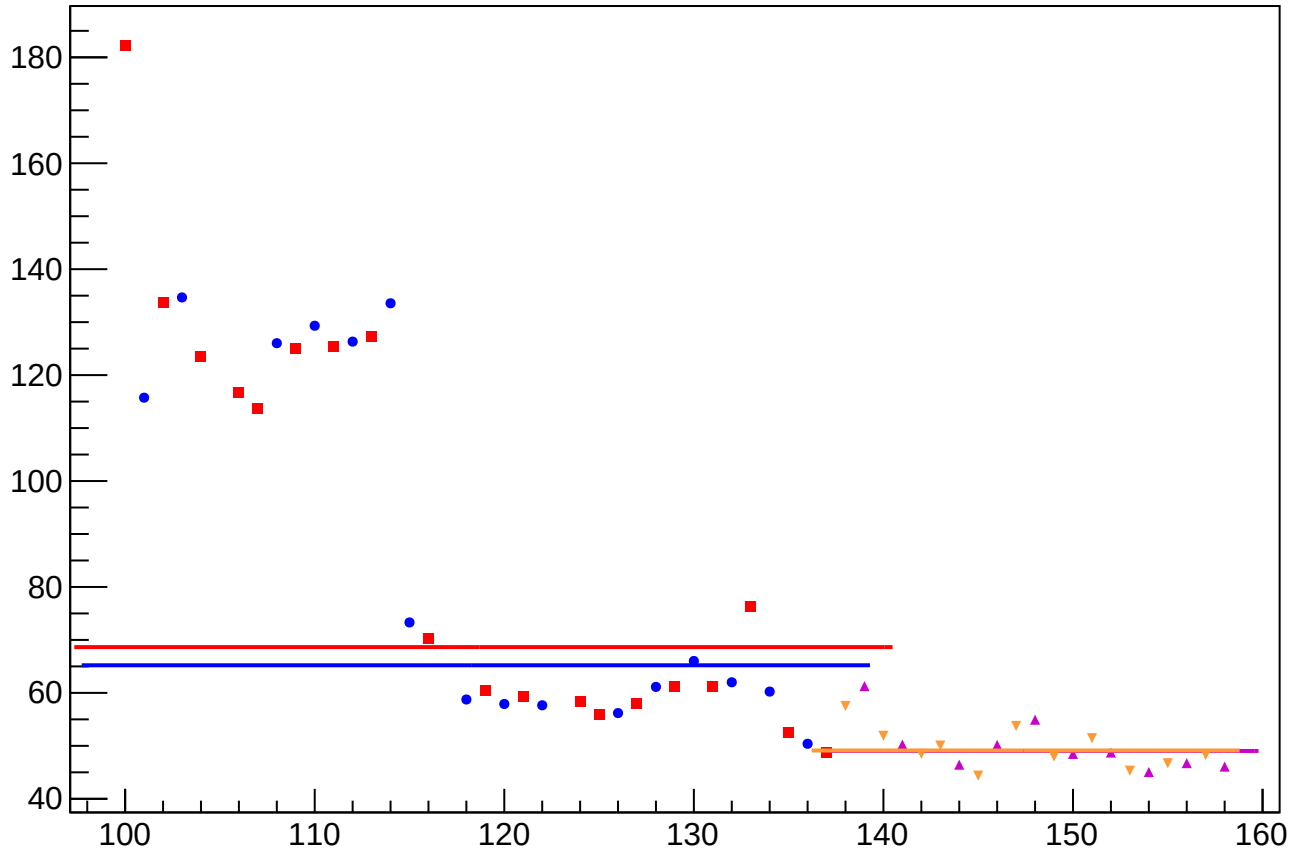
Left: 42.661+/-11.858 χ^2/NDF: 26.3/20

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 47.255+/-14.040 χ^2/NDF:23.3/25

Out: 43.094+/-14.249 χ^2/NDF:38.6/29

All: 45.205+/-10.001 χ^2/NDF: 61.9/55



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.121+/-0.012 χ^2/NDF:89240.5/10

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

Left: 49.077+/-0.008 χ^2/NDF: 208352.9/20

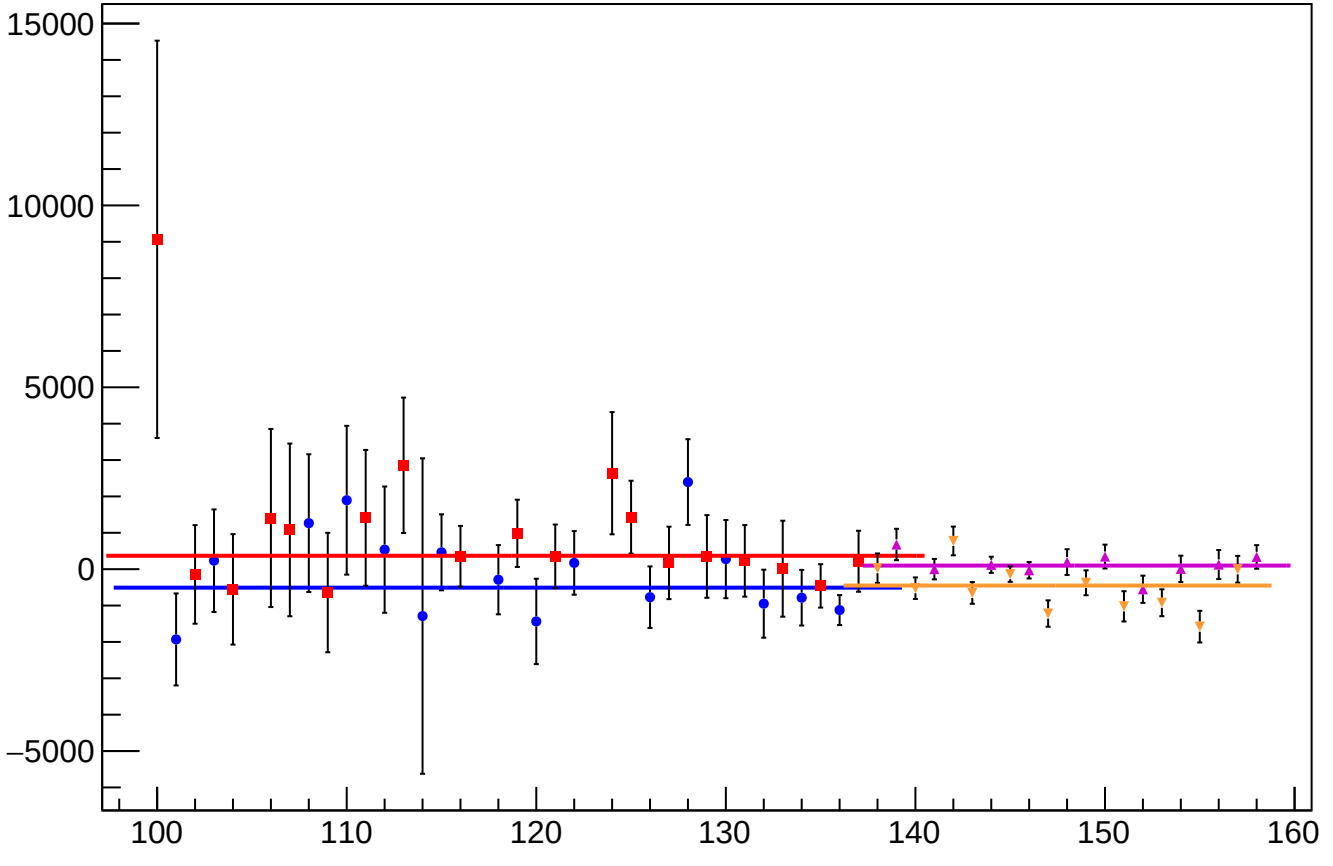
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 53.832+/-0.010 χ^2/NDF:2119623.5/25

Out: 54.600+/-0.010 χ^2/NDF:2484699.9/29

All: 54.210+/-0.007 χ^2/NDF: 4607271.7/55

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: -449.701+/-100.466 χ^2/NDF:30.0/10

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 98.761+/-97.346 χ^2/NDF:6.5/9

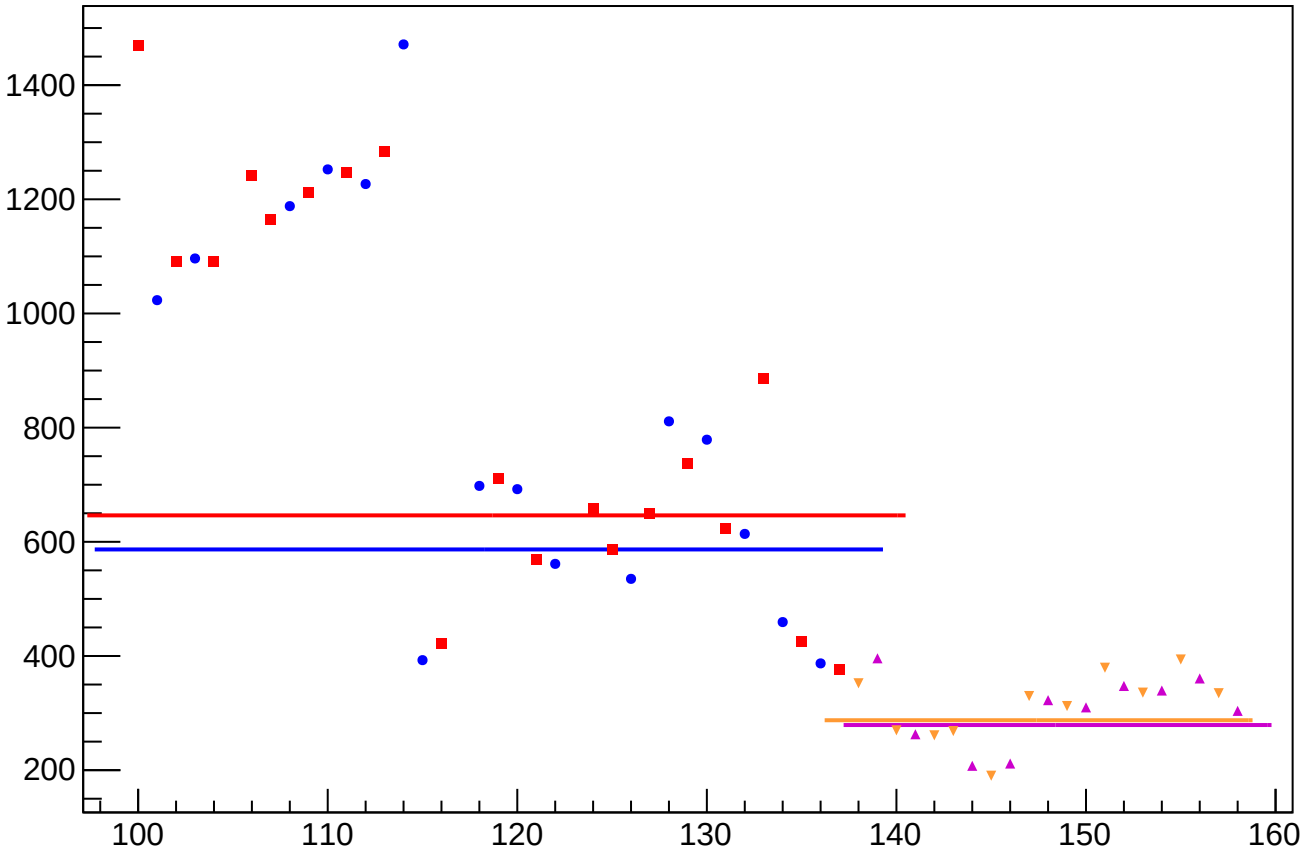
Left: -166.824+/-69.911 χ^2/NDF: 51.9/20

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 11.149+/-90.043 χ^2/NDF:27.8/25

Out: -340.922+/-93.548 χ^2/NDF:50.1/29

All: -158.168+/-64.874 χ^2/NDF: 85.2/55



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.458+/-0.071 χ^2/NDF:814235.5/10

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.076+/-0.069 χ^2/NDF:802358.2/9

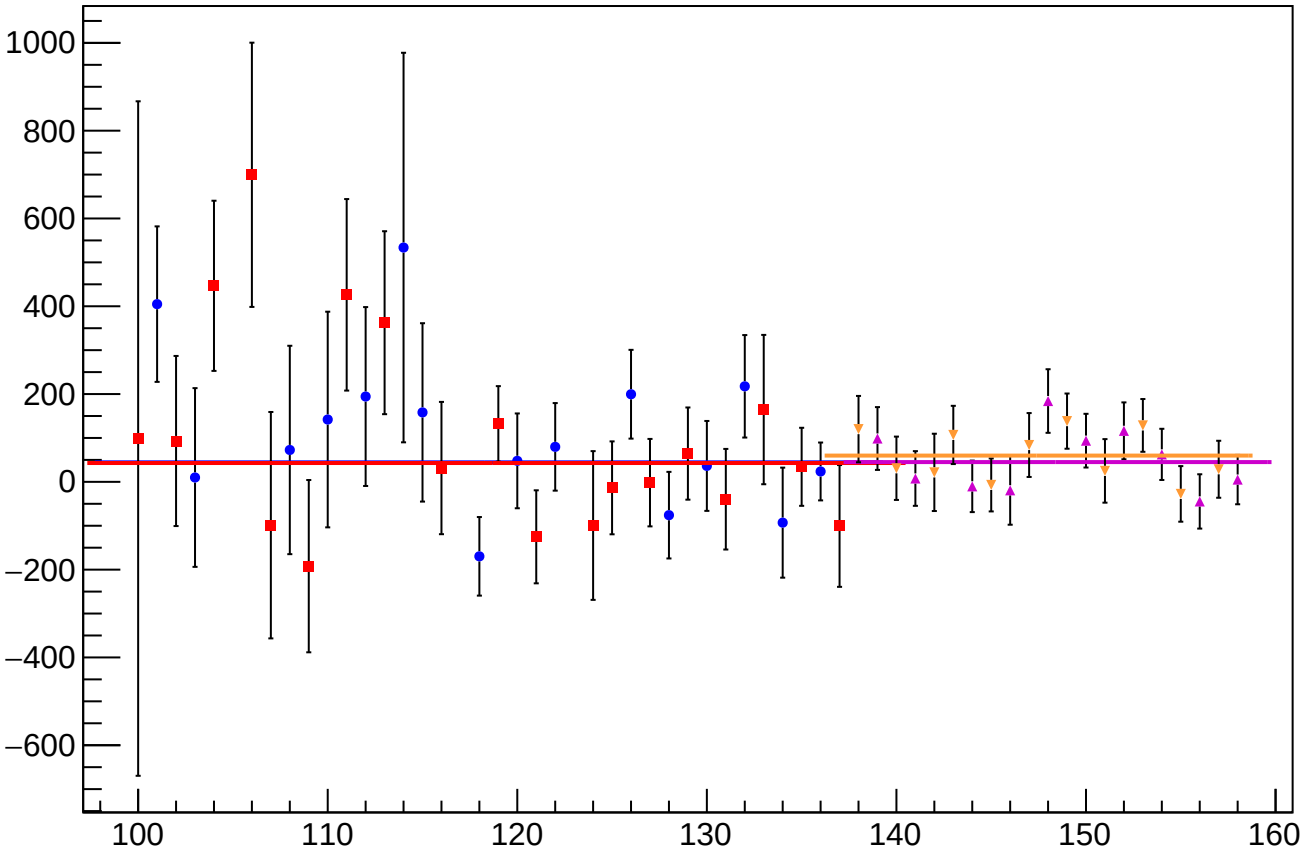
Left: 283.135+/-0.049 χ^2/NDF: 1623773.2/20

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 323.493+/-0.064 χ^2/NDF:5738777.6/25

Out: 335.179+/-0.066 χ^2/NDF:6270899.0/29

All: 329.113+/-0.046 χ^2/NDF: 12025876.9/55



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 59.836+/-20.438 χ^2/NDF:8.1/10

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 45.032+/-20.105 χ^2/NDF:10.7/9

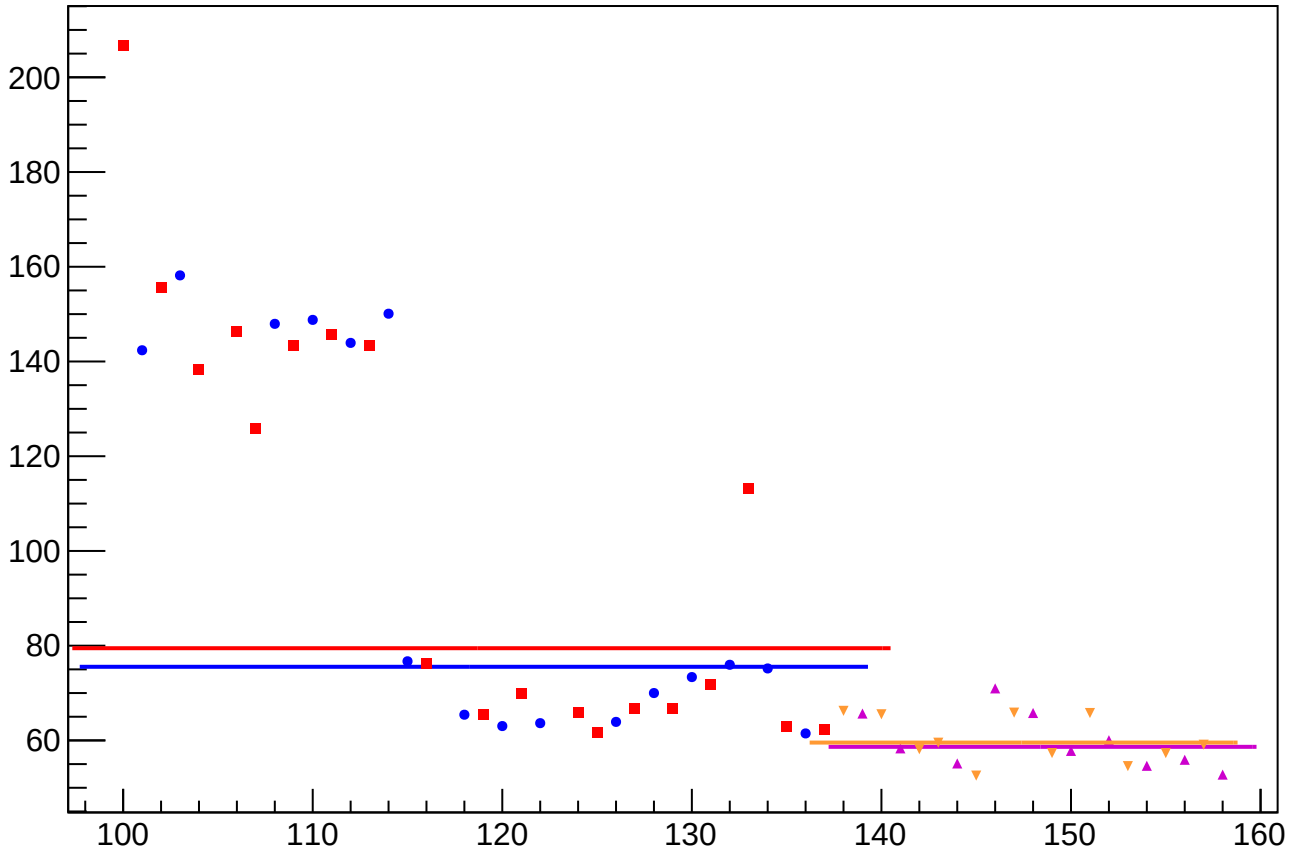
Left: 52.312+/-14.333 χ^2/NDF: 19.0/20

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.831+/-16.685 χ^2/NDF:30.3/25

Out: 54.762+/-17.104 χ^2/NDF:31.5/29

All: 49.674+/-11.944 χ^2/NDF: 62.0/55



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 59.545+/-0.014 χ^2/NDF:105300.6/10

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.646+/-0.014 χ^2/NDF:131890.6/9

Left: 59.088+/-0.010 χ^2/NDF: 239159.9/20

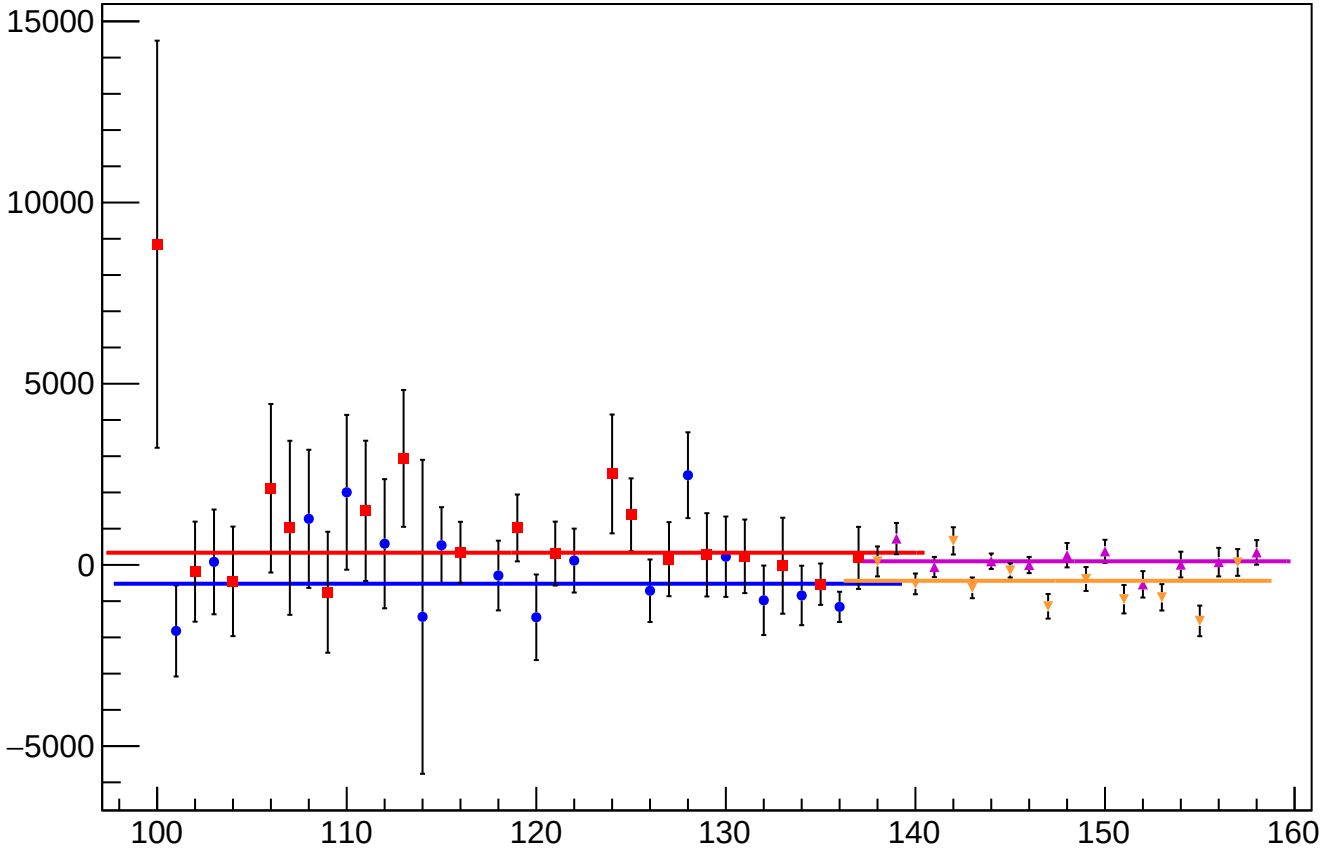
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 63.905+/-0.012 χ^2/NDF:2037190.6/25

Out: 65.514+/-0.012 χ^2/NDF:2358175.1/29

All: 64.690+/-0.008 χ^2/NDF: 4404428.4/55

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: -438.656+/-96.169 χ^2/NDF:29.2/10

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 99.656+/-95.623 χ^2/NDF:7.3/9

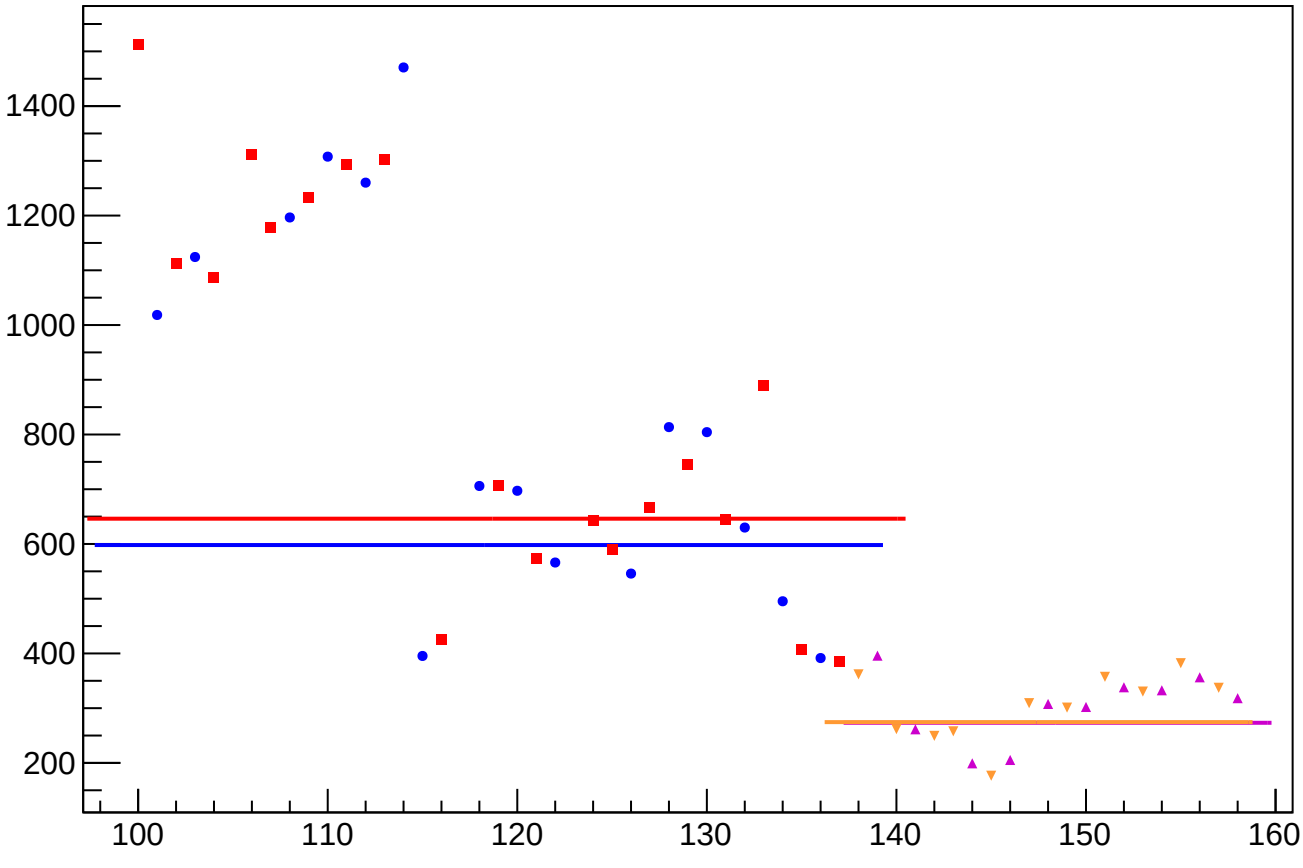
Left: -167.966+/-67.808 χ^2/NDF: 52.3/20

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 15.665+/-88.898 χ^2/NDF:28.8/25

Out: -343.169+/-90.053 χ^2/NDF:49.1/29

All: -161.435+/-63.265 χ^2/NDF: 86.0/55



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 274.508+/-0.068 χ^2/NDF:964570.4/10

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 273.297+/-0.068 χ^2/NDF:871248.6/9

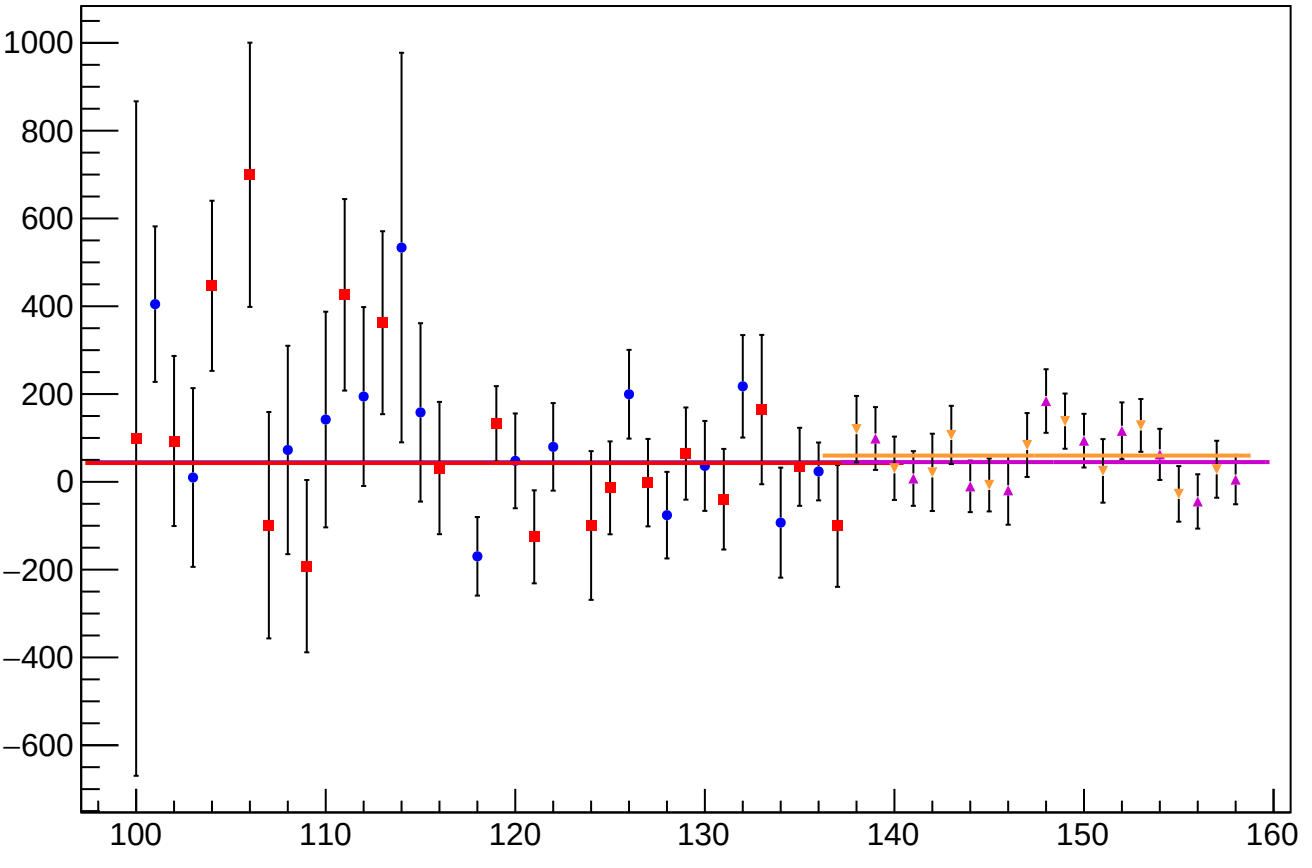
Left: 273.899+/-0.048 χ^2/NDF: 1835978.5/20

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 317.368+/-0.063 χ^2/NDF:6049521.7/25

Out: 320.280+/-0.064 χ^2/NDF:6848979.2/29

All: 318.805+/-0.045 χ^2/NDF: 12899559.8/55



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 59.835+/-20.438 χ^2/NDF:8.1/10

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 45.031+/-20.105 χ^2/NDF:10.7/9

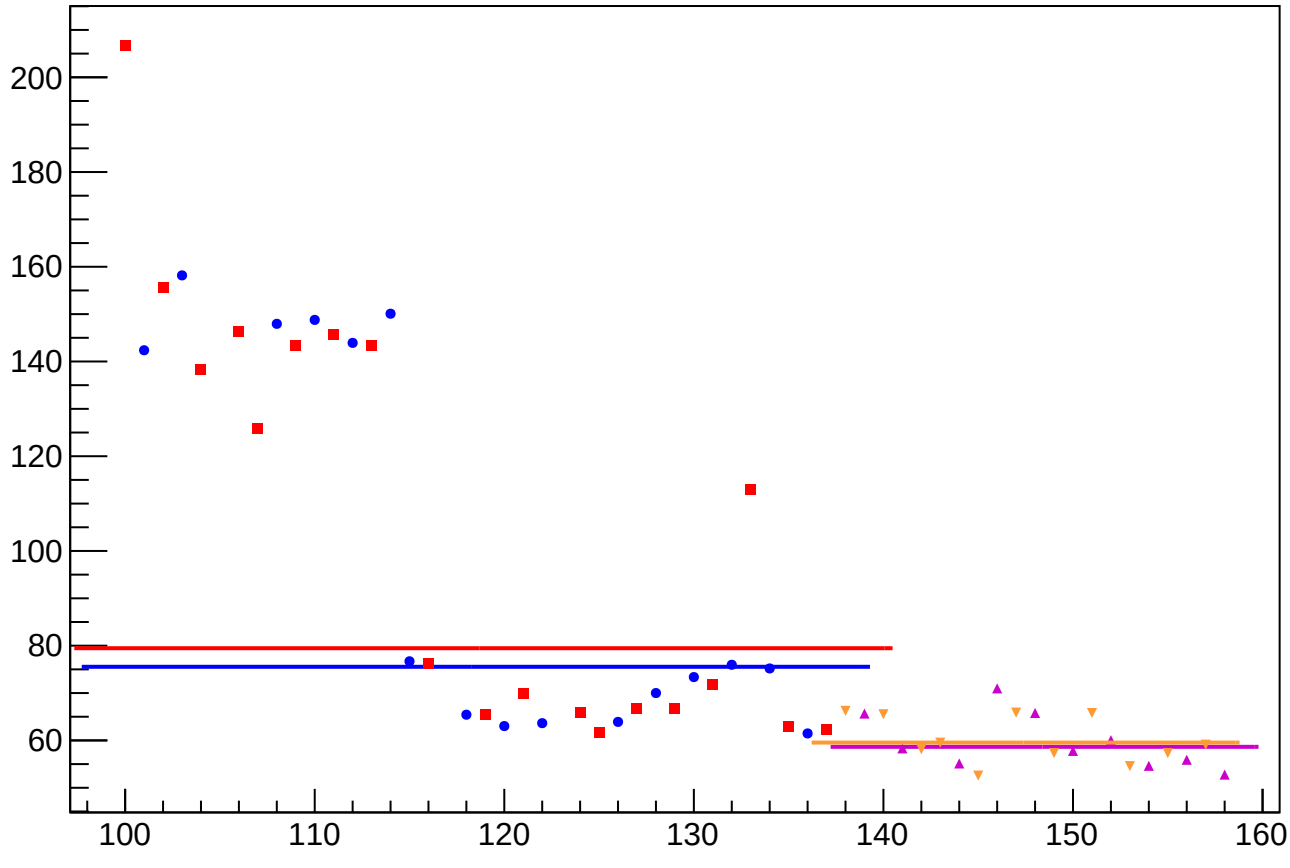
Left: 52.312+/-14.333 χ^2/NDF: 19.0/20

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 44.831+/-16.685 χ^2/NDF:30.3/25

Out: 54.761+/-17.104 χ^2/NDF:31.5/29

All: 49.673+/-11.944 χ^2/NDF: 62.0/55



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 59.546+/-0.014 χ^2/NDF:105299.7/10

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.646+/-0.014 χ^2/NDF:131895.3/9

Left: 59.088+/-0.010 χ^2/NDF: 239164.0/20

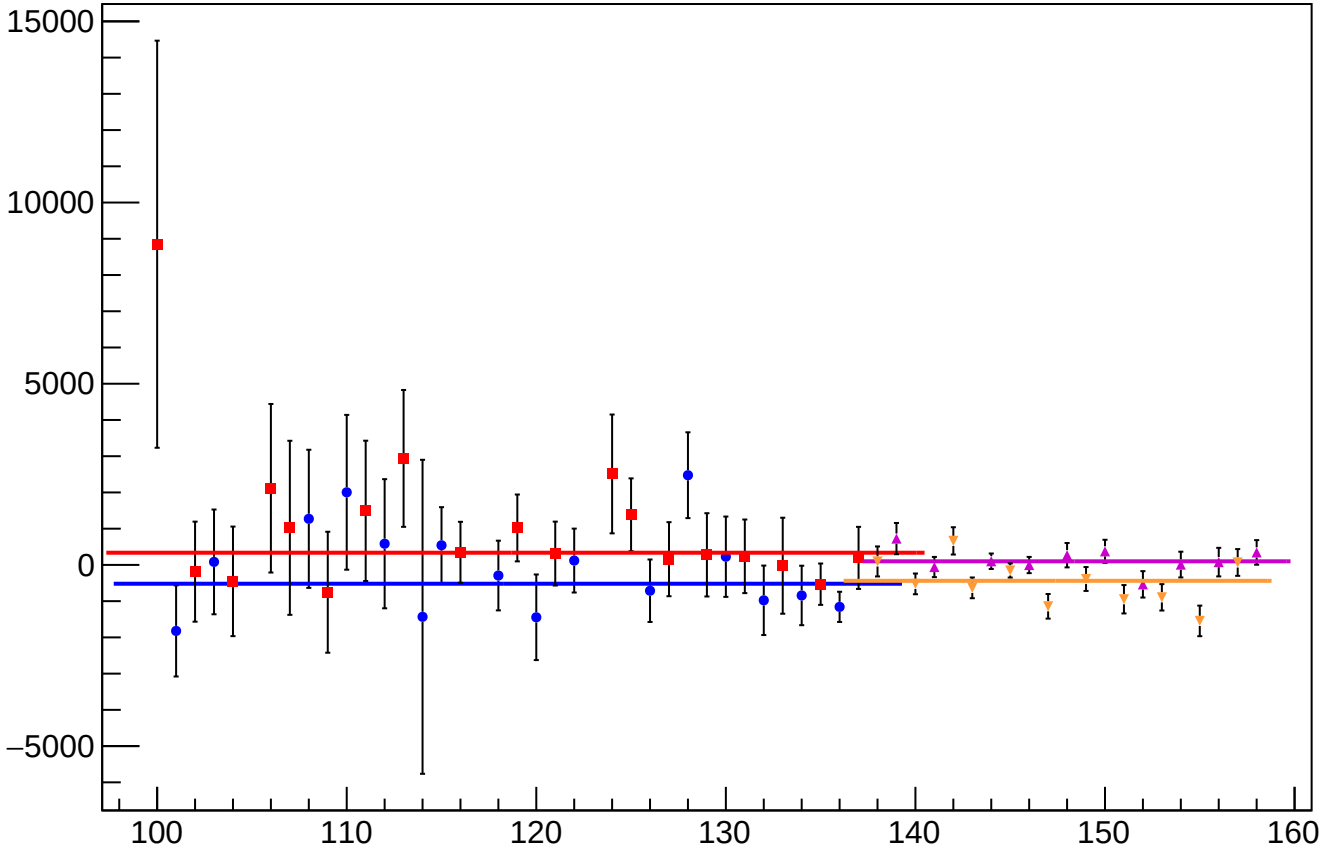
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 63.905+/-0.012 χ^2/NDF:2037160.8/25

Out: 65.514+/-0.012 χ^2/NDF:2358143.1/29

All: 64.690+/-0.008 χ^2/NDF: 4404367.4/55

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: -438.656+/-96.169 χ^2/NDF:29.2/10

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 99.656+/-95.623 χ^2/NDF:7.3/9

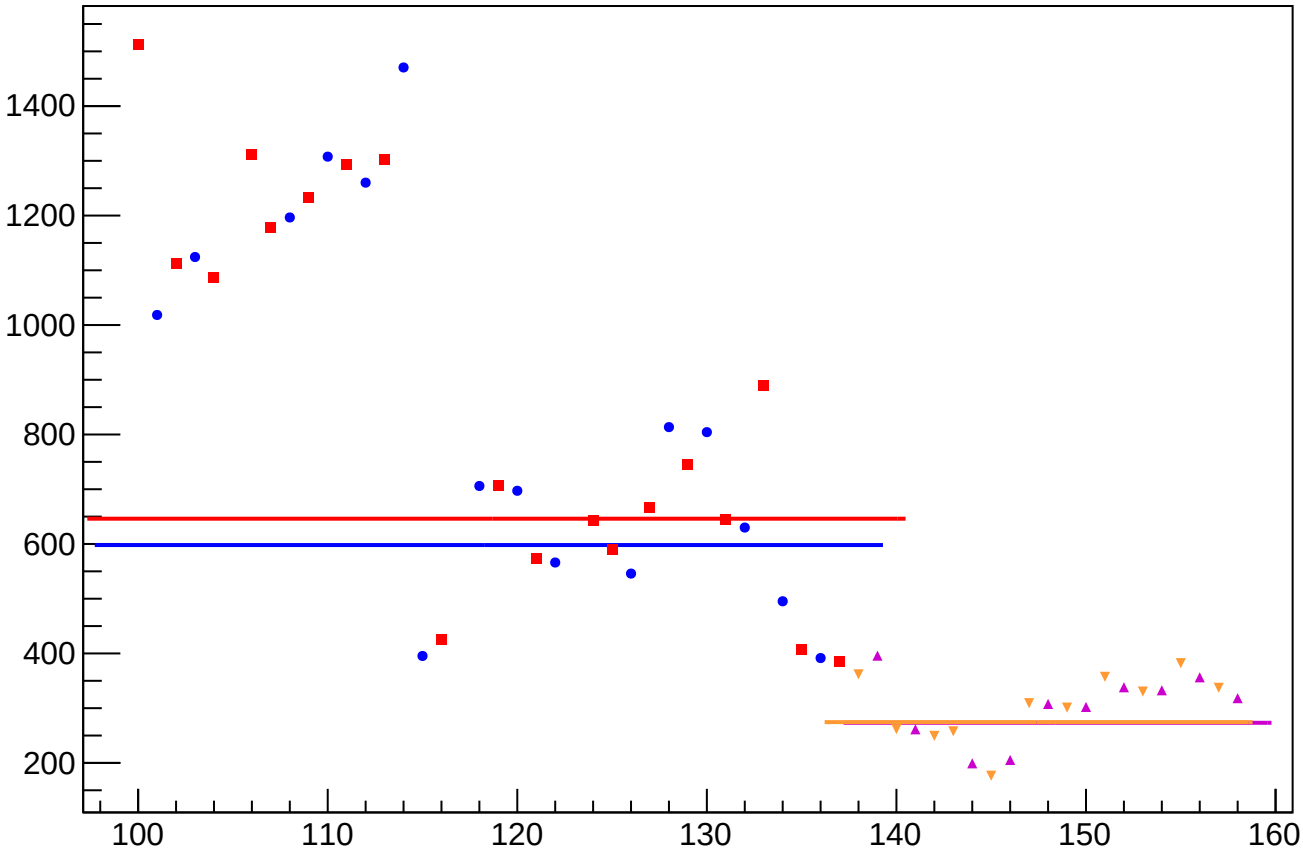
Left: -167.966+/-67.808 χ^2/NDF: 52.3/20

Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 15.665+/-88.898 χ^2/NDF:28.8/25

Out: -343.169+/-90.053 χ^2/NDF:49.1/29

All: -161.435+/-63.265 χ^2/NDF: 86.0/55



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 274.507+/-0.068 χ^2/NDF:964578.7/10

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 273.297+/-0.068 χ^2/NDF:871246.6/9

Left: 273.899+/-0.048 χ^2/NDF: 1835984.7/20

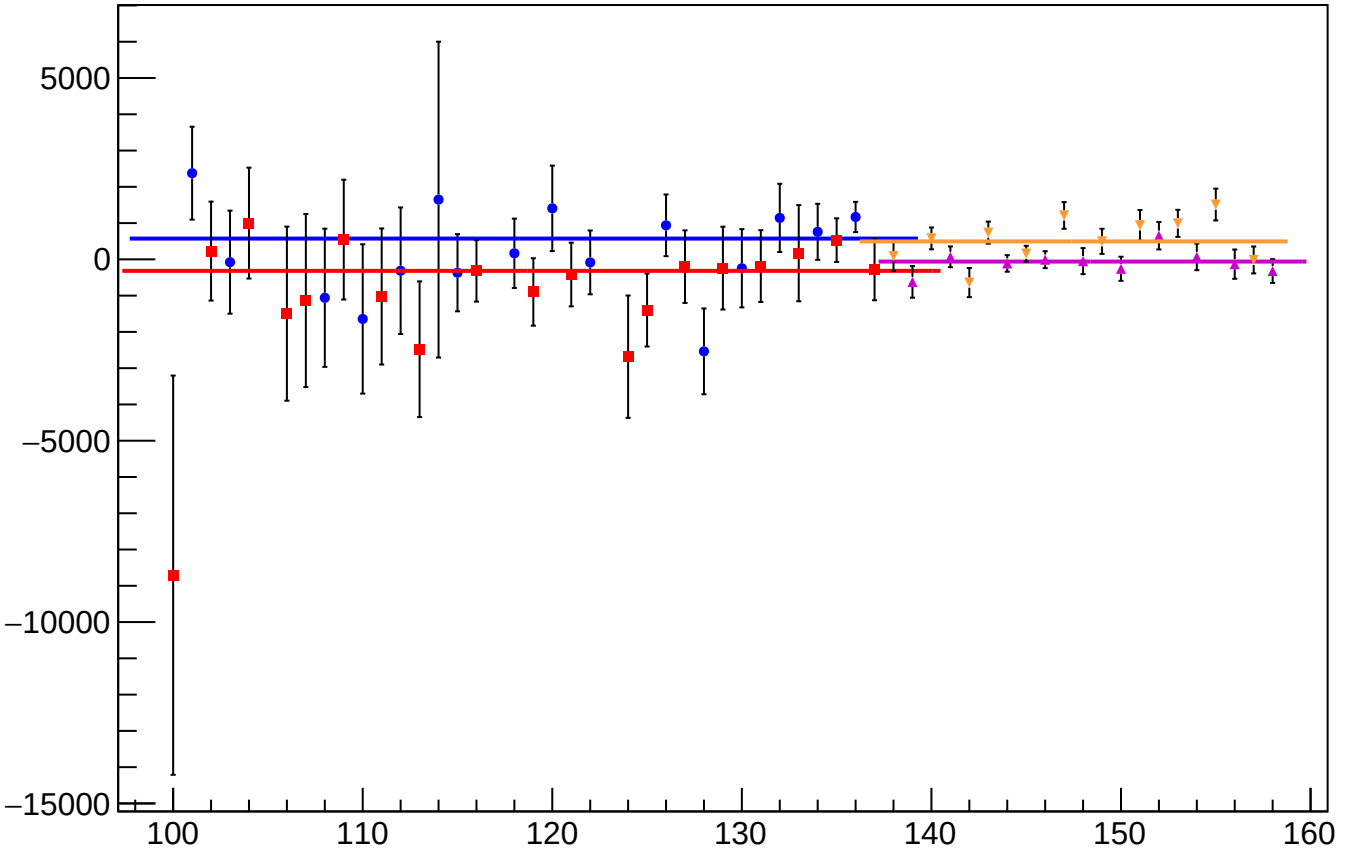
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 317.368+/-0.063 χ^2/NDF:6049506.1/25

Out: 320.279+/-0.064 χ^2/NDF:6848981.3/29

All: 318.805+/-0.045 χ^2/NDF: 12899546.2/55

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 494.699+/-102.153 χ^2/NDF:26.0/10

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -60.834+/-99.167 χ^2/NDF:6.7/9

Left: 208.696+/-71.154 χ^2/NDF: 47.9/20

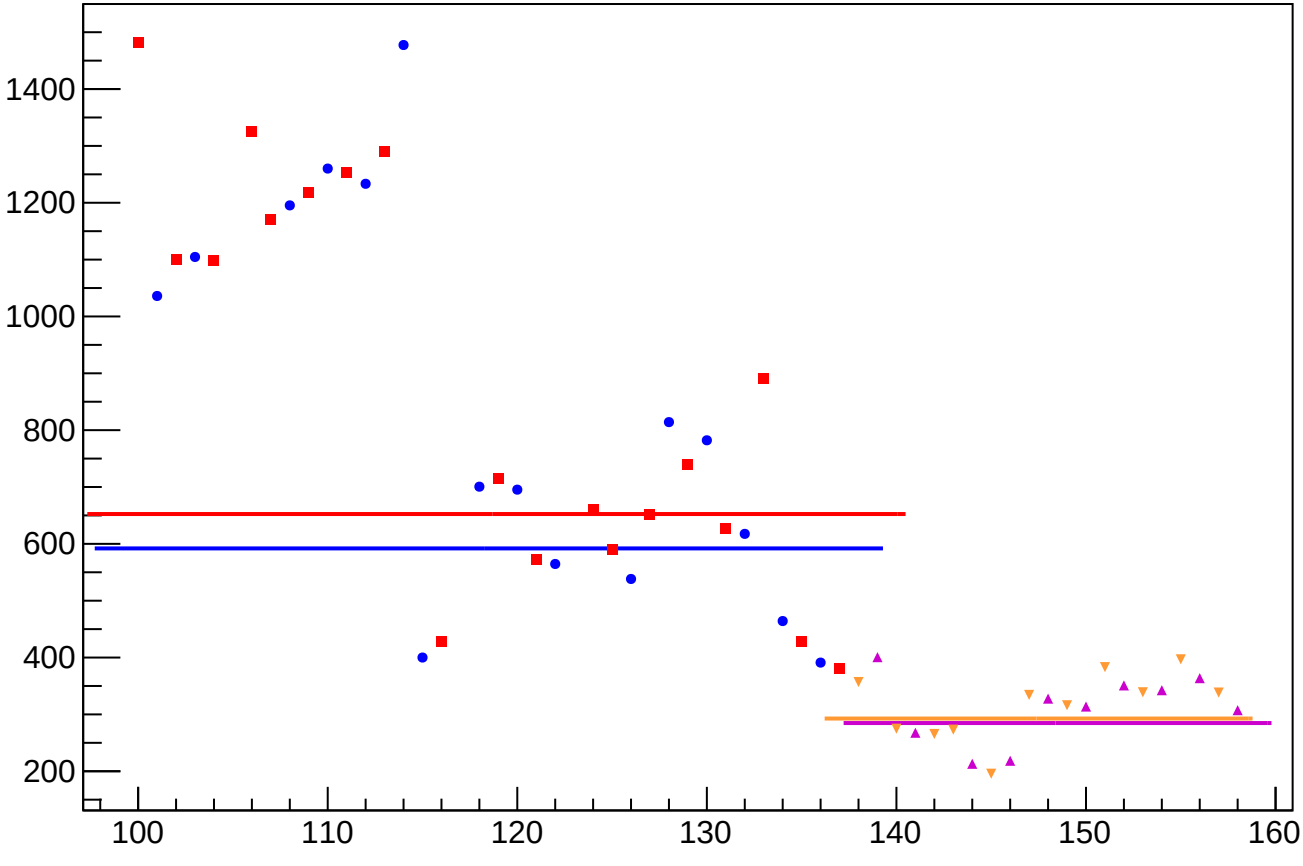
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 32.368+/-91.591 χ^2/NDF:29.2/25

Out: 384.894+/-94.991 χ^2/NDF:45.6/29

All: 202.210+/-65.934 χ^2/NDF: 81.9/55

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 292.718+/-0.072 χ^2/NDF:767079.5/10

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 284.802+/-0.070 χ^2/NDF:747346.7/9

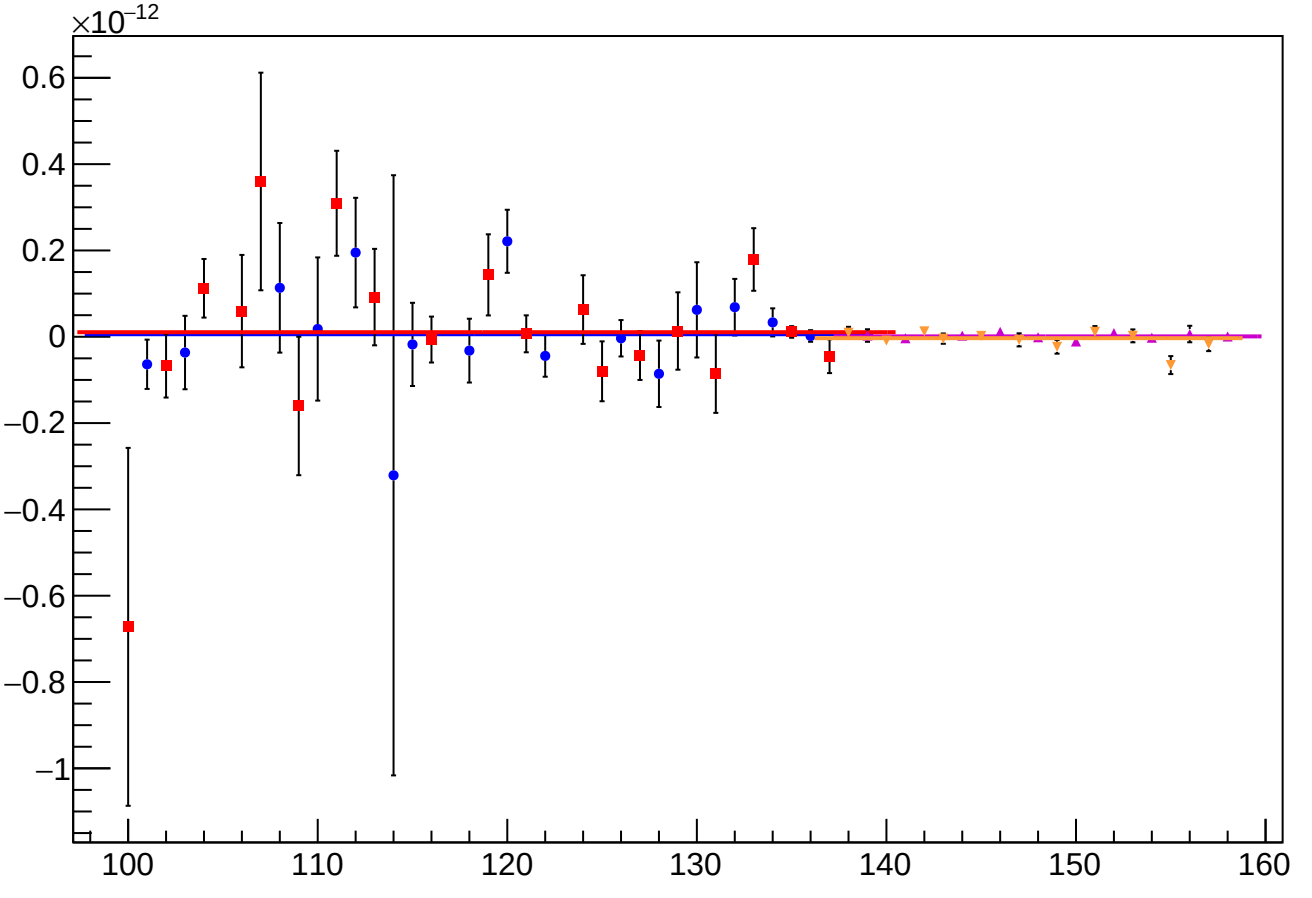
Left: 288.643+/-0.050 χ^2/NDF: 1520608.9/20

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 329.944+/-0.065 χ^2/NDF:5603071.4/25

Out: 341.393+/-0.067 χ^2/NDF:6213120.5/29

All: 335.460+/-0.047 χ^2/NDF: 11831249.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

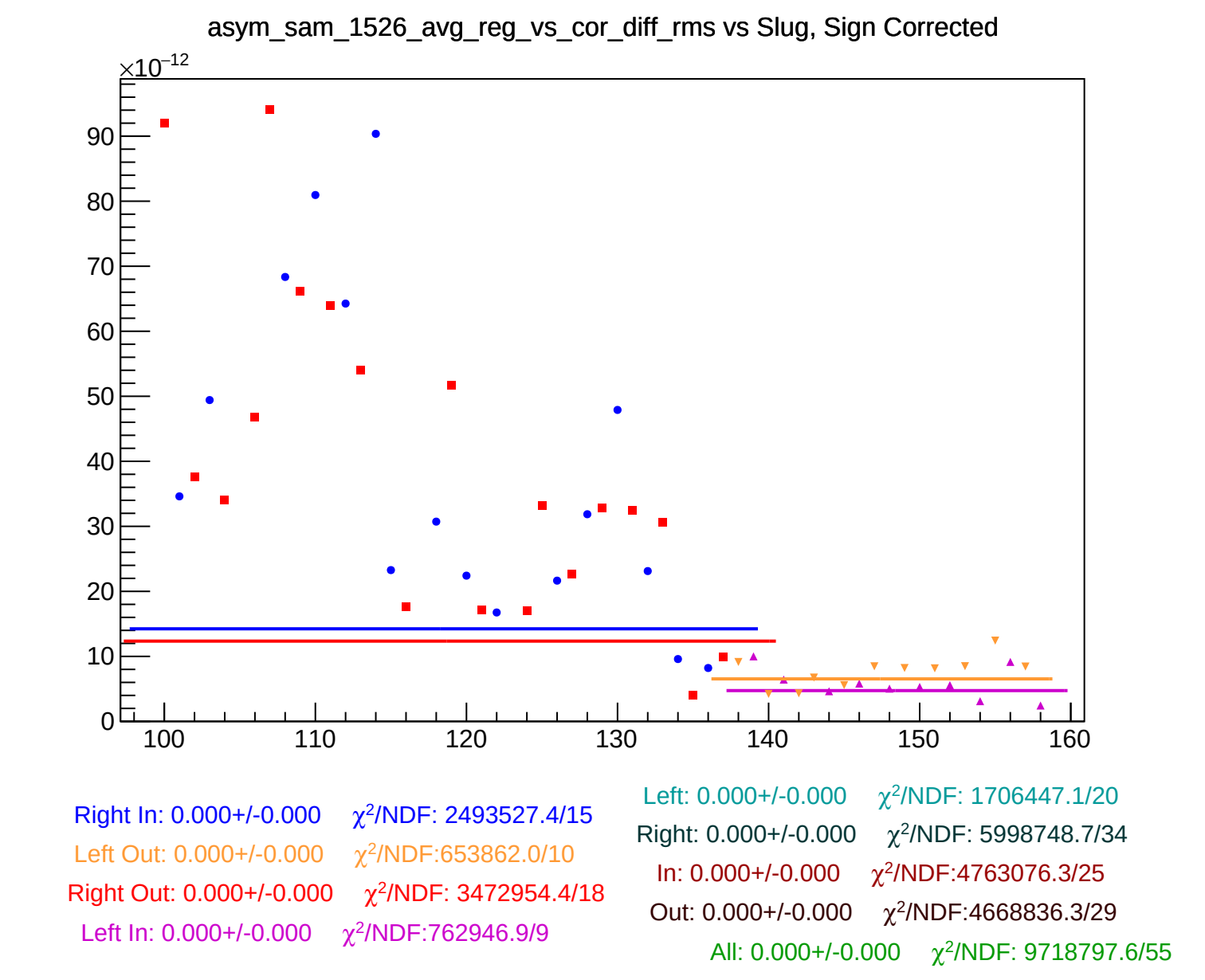
Left: -0.000+/-0.000 χ^2/NDF: 20.9/20

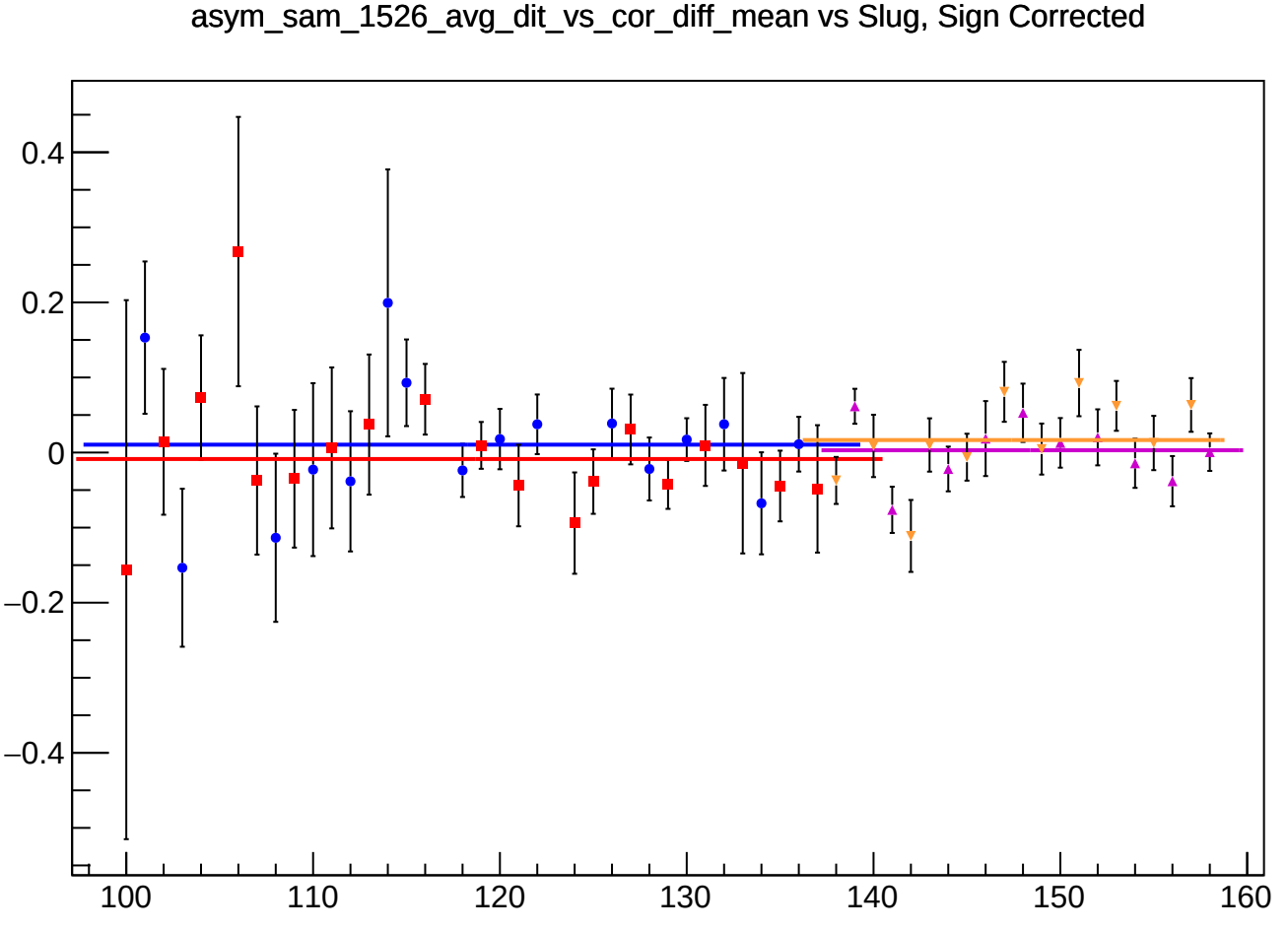
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:22.0/25

Out: -0.000+/-0.000 χ^2/NDF:47.6/29

All: 0.000+/-0.000 χ^2/NDF: 70.1/55


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:653862.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:762946.9/9
Left: 0.000+/-0.000 χ²/NDF: 1706447.1/20
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4763076.3/25
Out: 0.000+/-0.000 χ²/NDF:4668836.3/29
All: 0.000+/-0.000 χ²/NDF: 9718797.6/55



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.010 χ^2/NDF:17.5/9

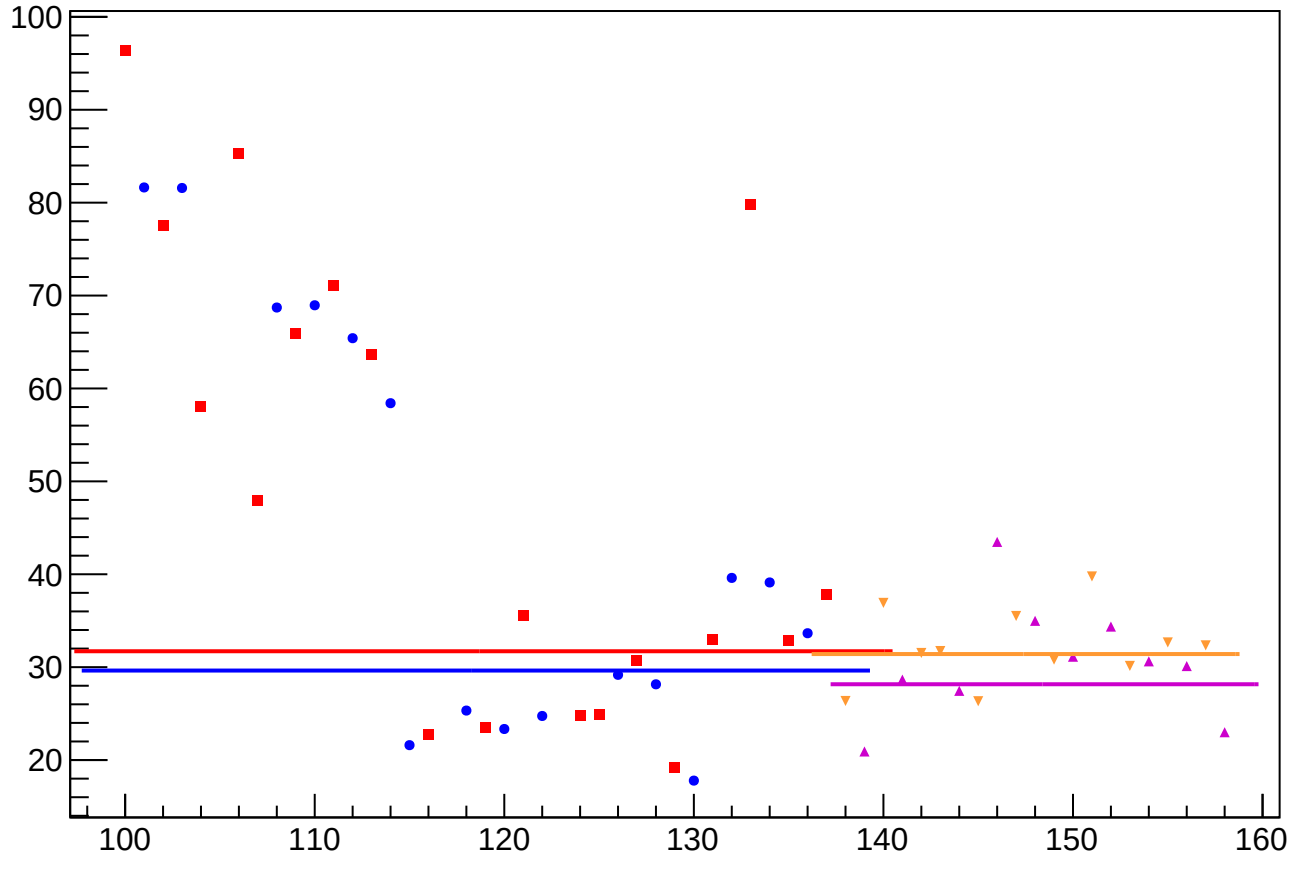
Left: 0.009+/-0.007 χ^2/NDF: 38.3/20

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.008 χ^2/NDF:30.9/25

Out: 0.006+/-0.008 χ^2/NDF:34.5/29

All: 0.006+/-0.006 χ^2/NDF: 65.4/55



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.411+/-0.008 χ^2/NDF:240136.4/10

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.160+/-0.007 χ^2/NDF:620025.5/9

Left: 29.624+/-0.005 χ^2/NDF: 956738.7/20

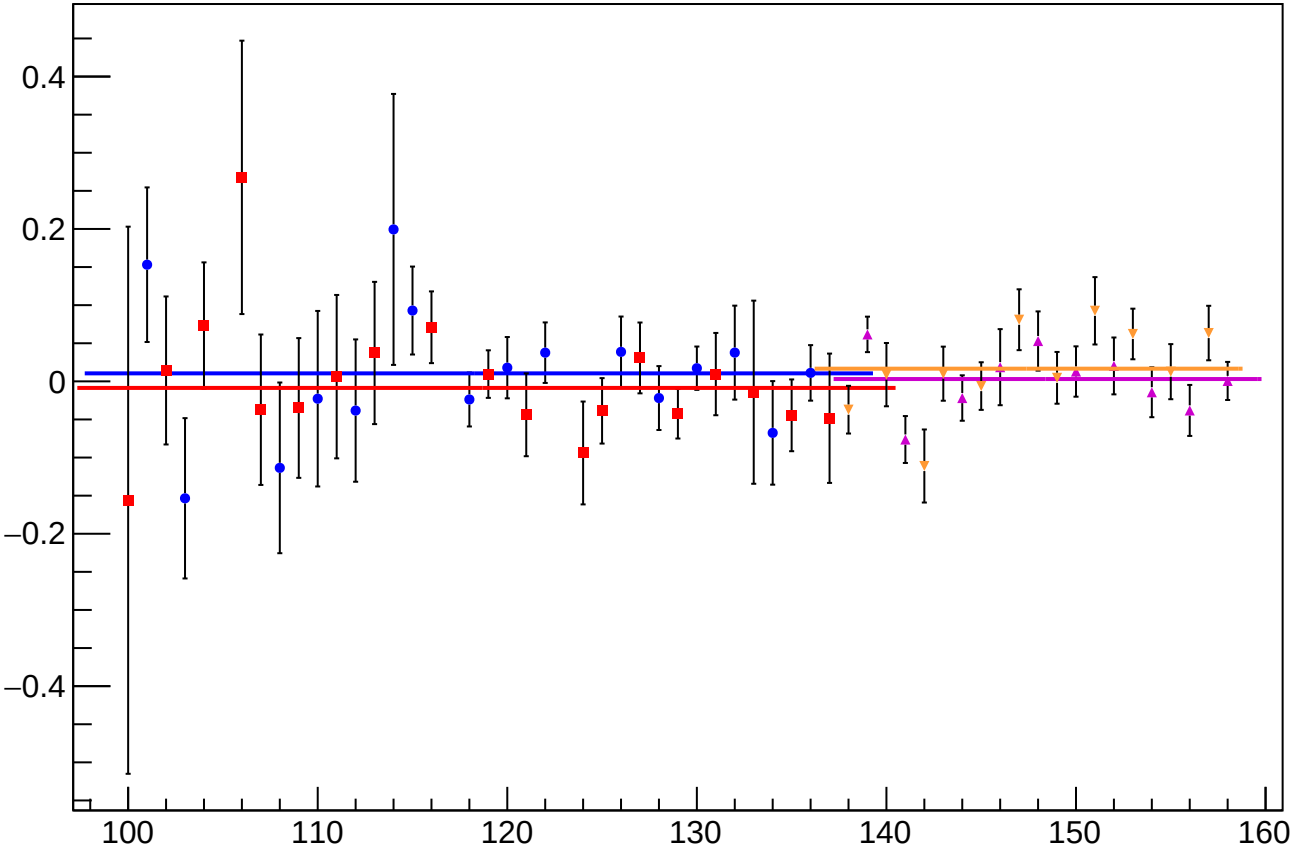
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.727+/-0.006 χ^2/NDF:3085459.5/25

Out: 31.534+/-0.006 χ^2/NDF:2892220.6/29

All: 30.017+/-0.004 χ^2/NDF: 6097019.6/55

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.010 χ^2/NDF:17.5/9

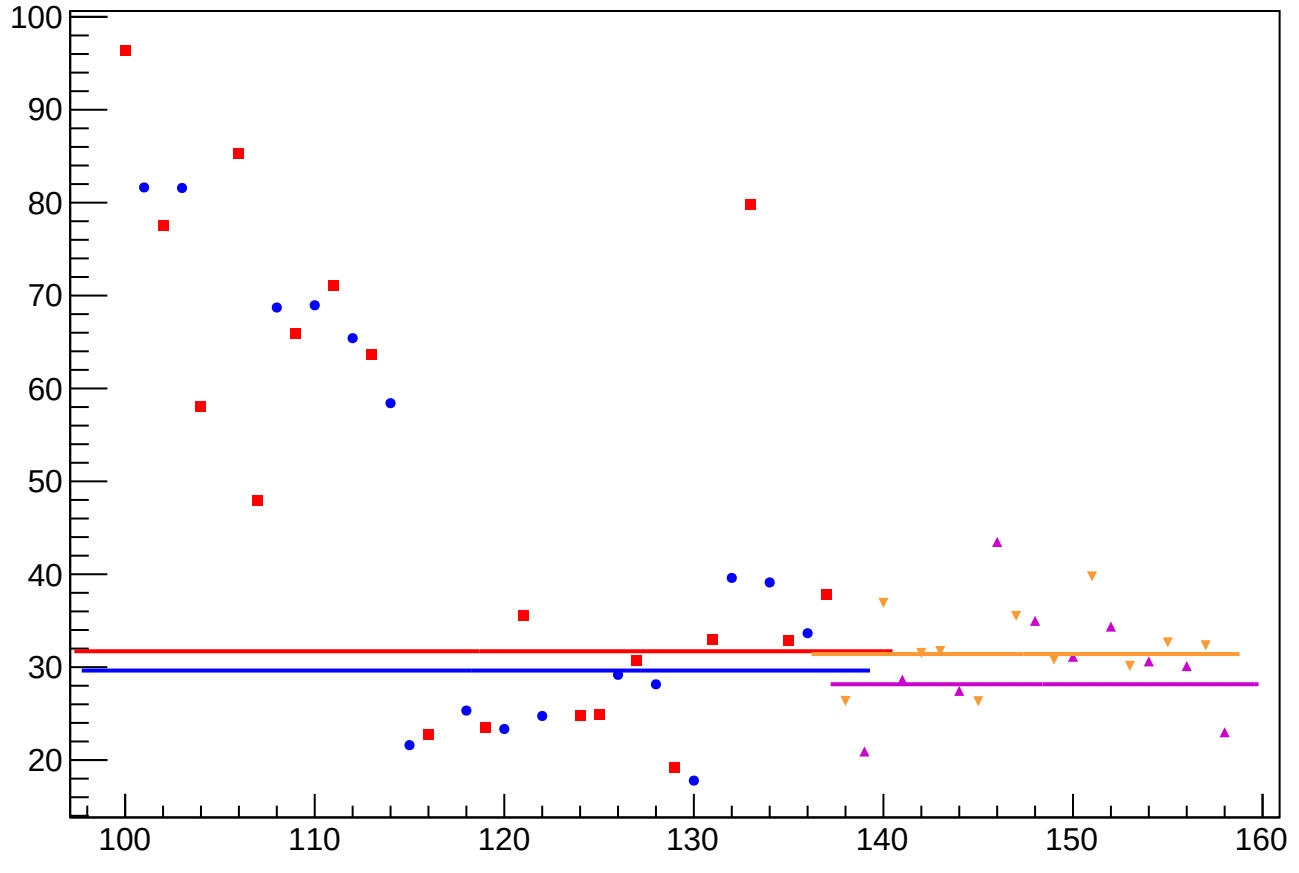
Left: 0.009+/-0.007 χ^2/NDF: 38.3/20

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.008 χ^2/NDF:30.9/25

Out: 0.006+/-0.008 χ^2/NDF:34.5/29

All: 0.006+/-0.006 χ^2/NDF: 65.4/55



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.411+/-0.008 χ^2/NDF:240136.4/10

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.160+/-0.007 χ^2/NDF:620025.5/9

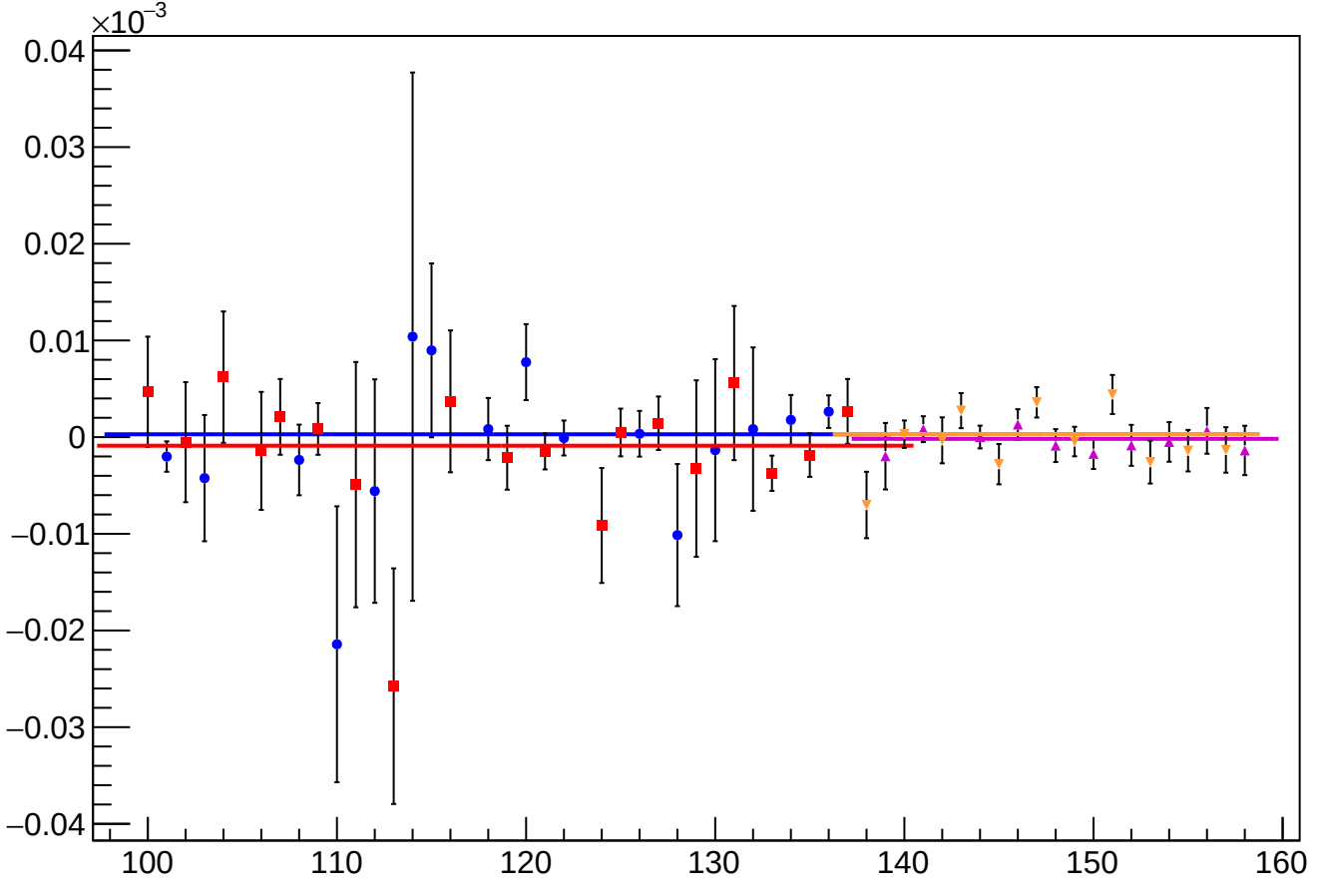
Left: 29.624+/-0.005 χ^2/NDF: 956738.7/20

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.727+/-0.006 χ^2/NDF:3085459.5/25

Out: 31.534+/-0.006 χ^2/NDF:2892220.6/29

All: 30.017+/-0.004 χ^2/NDF: 6097019.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/9

Left: 0.000+/-0.000 χ^2/NDF: 24.0/20

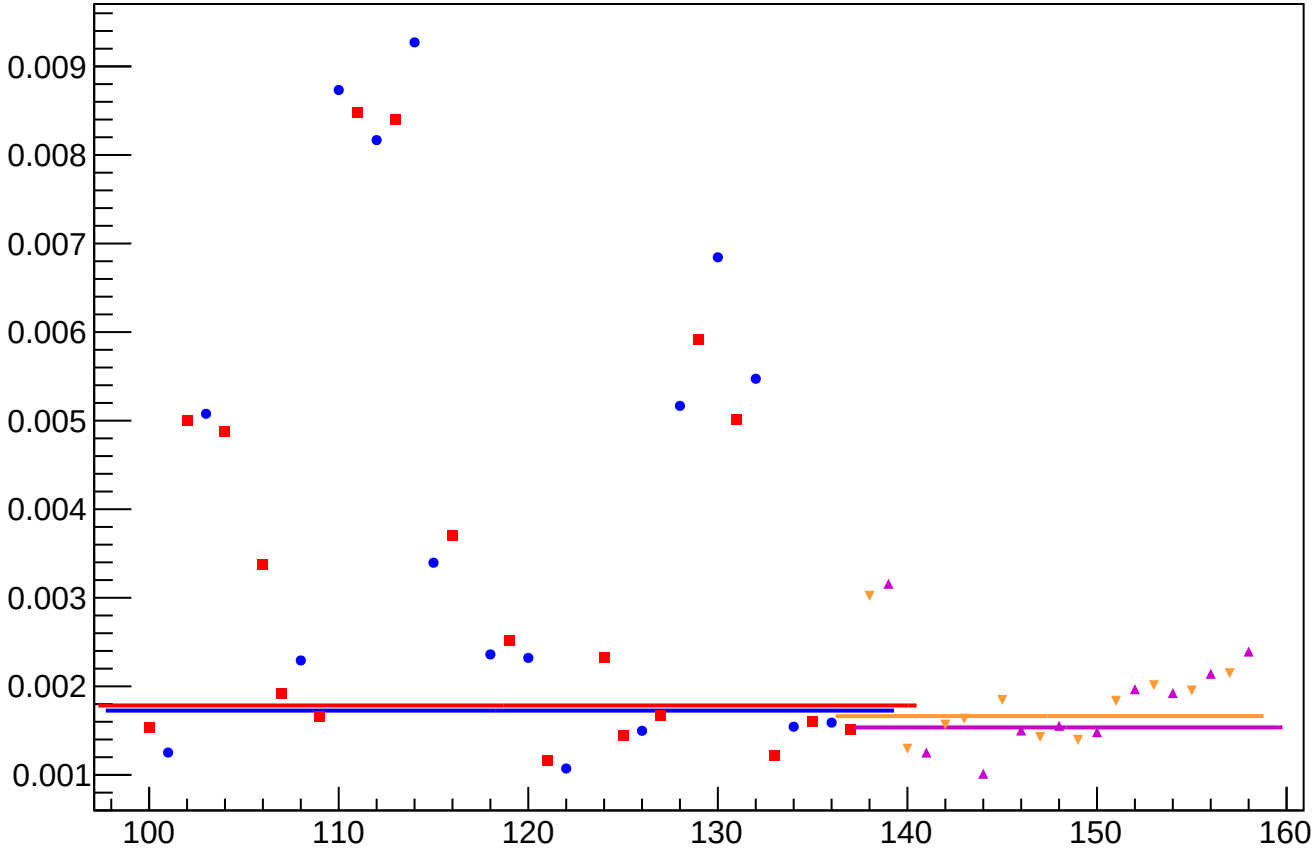
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:18.4/25

Out: -0.000+/-0.000 χ^2/NDF:37.2/29

All: -0.000+/-0.000 χ^2/NDF: 55.6/55

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:758915.6/10

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1445106.5/9

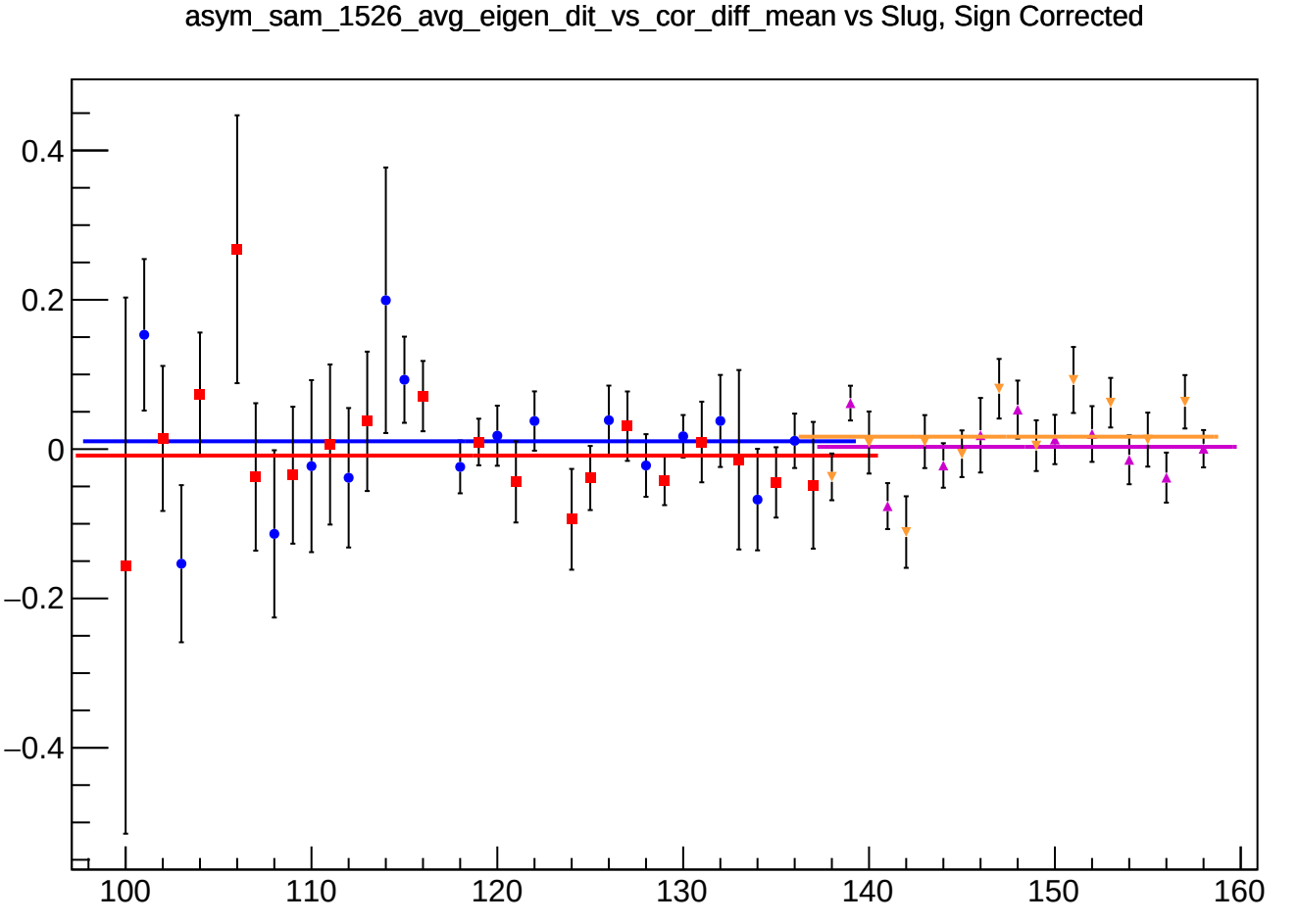
Left: 0.002+/-0.000 χ^2/NDF: 2255111.8/20

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5459225.4/25

Out: 0.002+/-0.000 χ^2/NDF:4508422.0/29

All: 0.002+/-0.000 χ^2/NDF: 10021518.2/55



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.010 χ^2/NDF:17.5/9

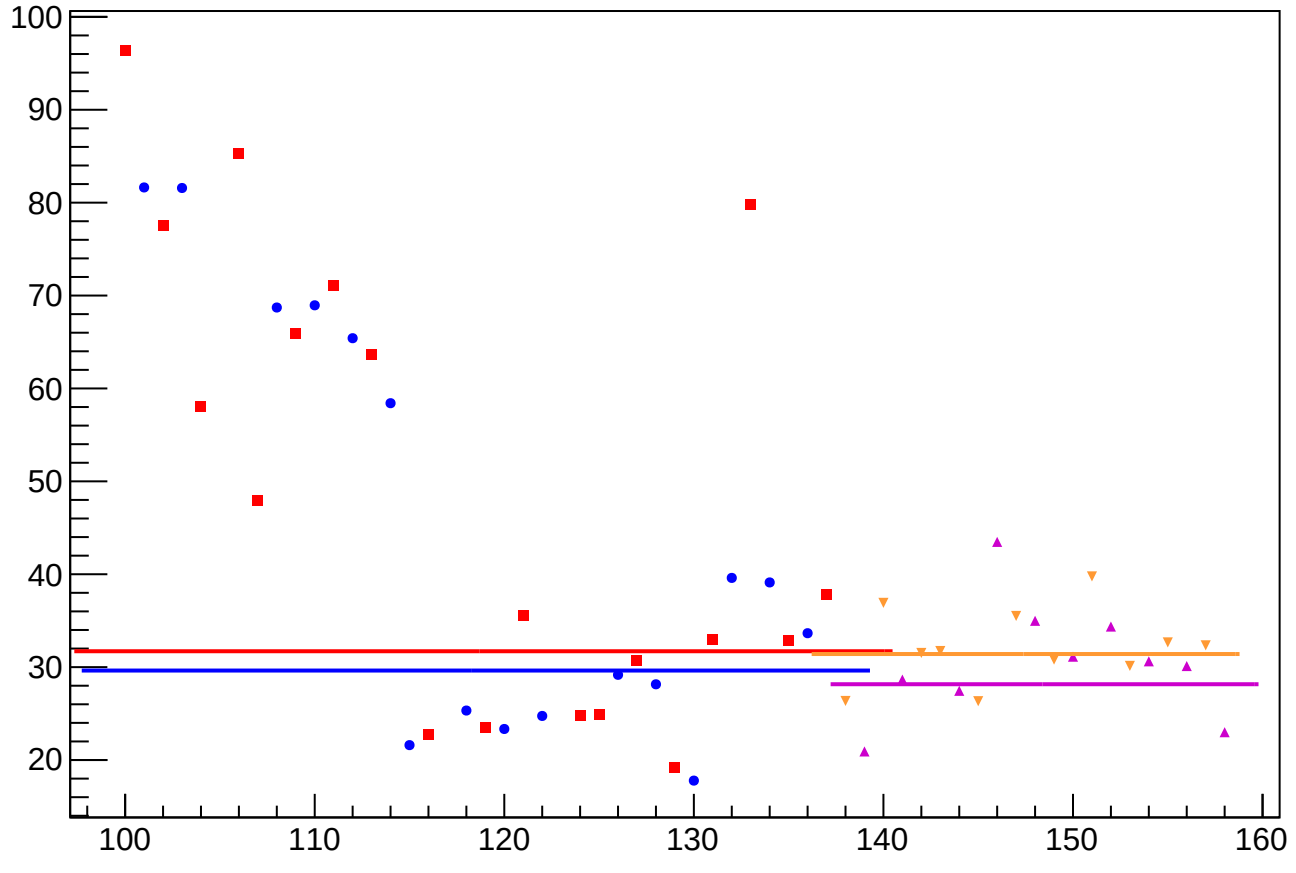
Left: 0.009+/-0.007 χ^2/NDF: 38.3/20

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.008 χ^2/NDF:30.9/25

Out: 0.006+/-0.008 χ^2/NDF:34.5/29

All: 0.006+/-0.006 χ^2/NDF: 65.4/55



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.411+/-0.008 χ^2/NDF:240137.2/10

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.160+/-0.007 χ^2/NDF:620042.5/9

Left: 29.624+/-0.005 χ^2/NDF: 956763.5/20

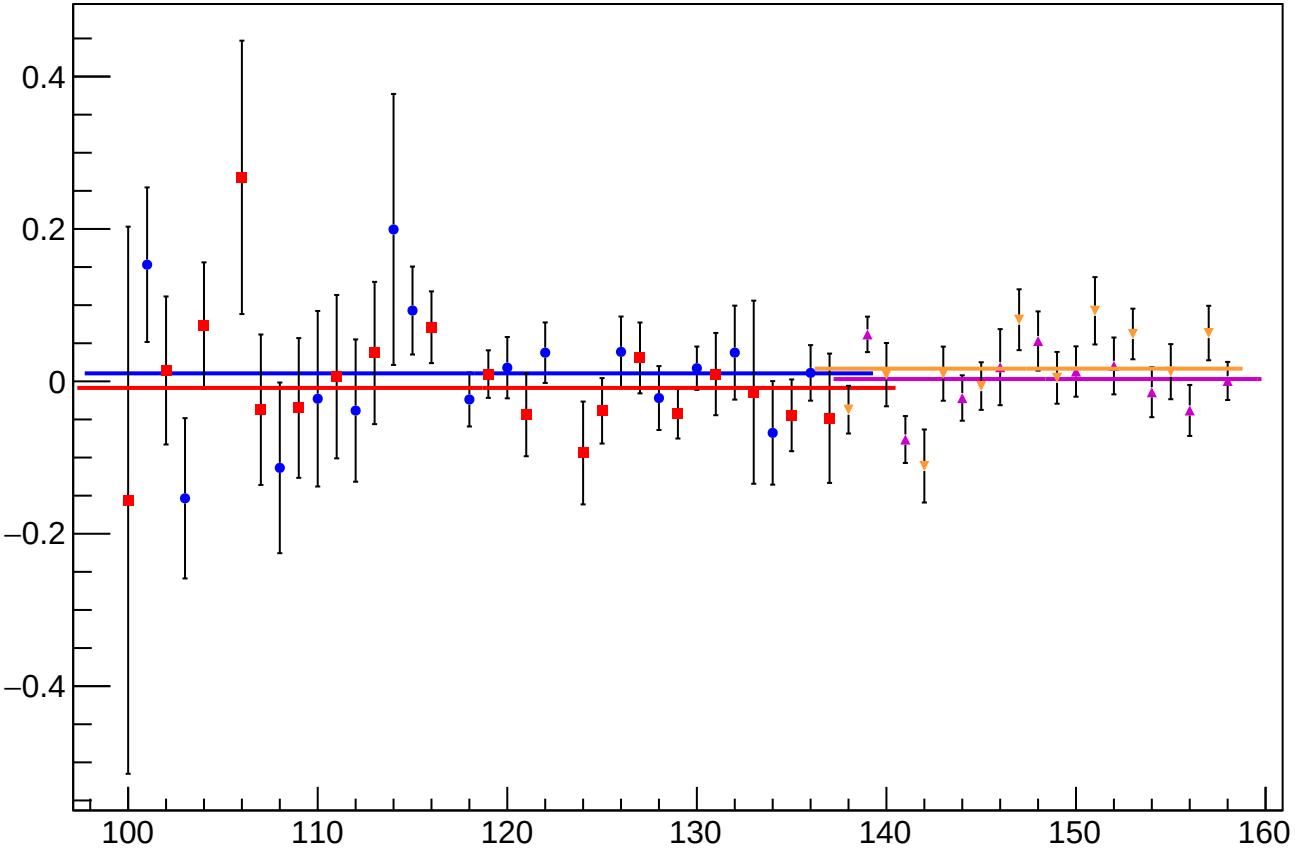
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.727+/-0.006 χ^2/NDF:3085645.9/25

Out: 31.533+/-0.006 χ^2/NDF:2892383.0/29

All: 30.016+/-0.004 χ^2/NDF: 6097372.1/55

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.010 χ^2/NDF:17.5/9

Left: 0.009+/-0.007 χ^2/NDF: 38.3/20

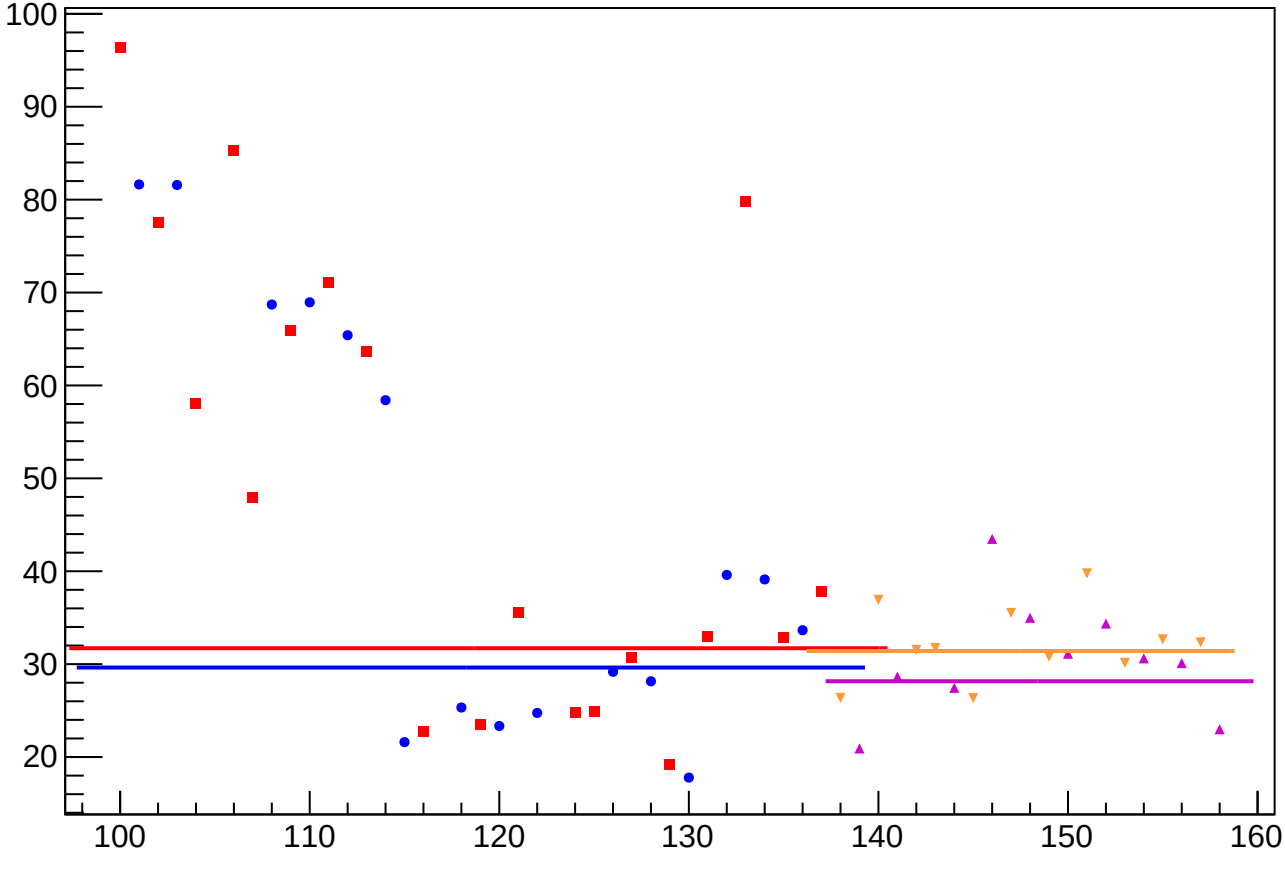
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.008 χ^2/NDF:30.9/25

Out: 0.006+/-0.008 χ^2/NDF:34.5/29

All: 0.006+/-0.006 χ^2/NDF: 65.4/55

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.411+/-0.008 χ^2/NDF:240137.2/10

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.160+/-0.007 χ^2/NDF:620042.5/9

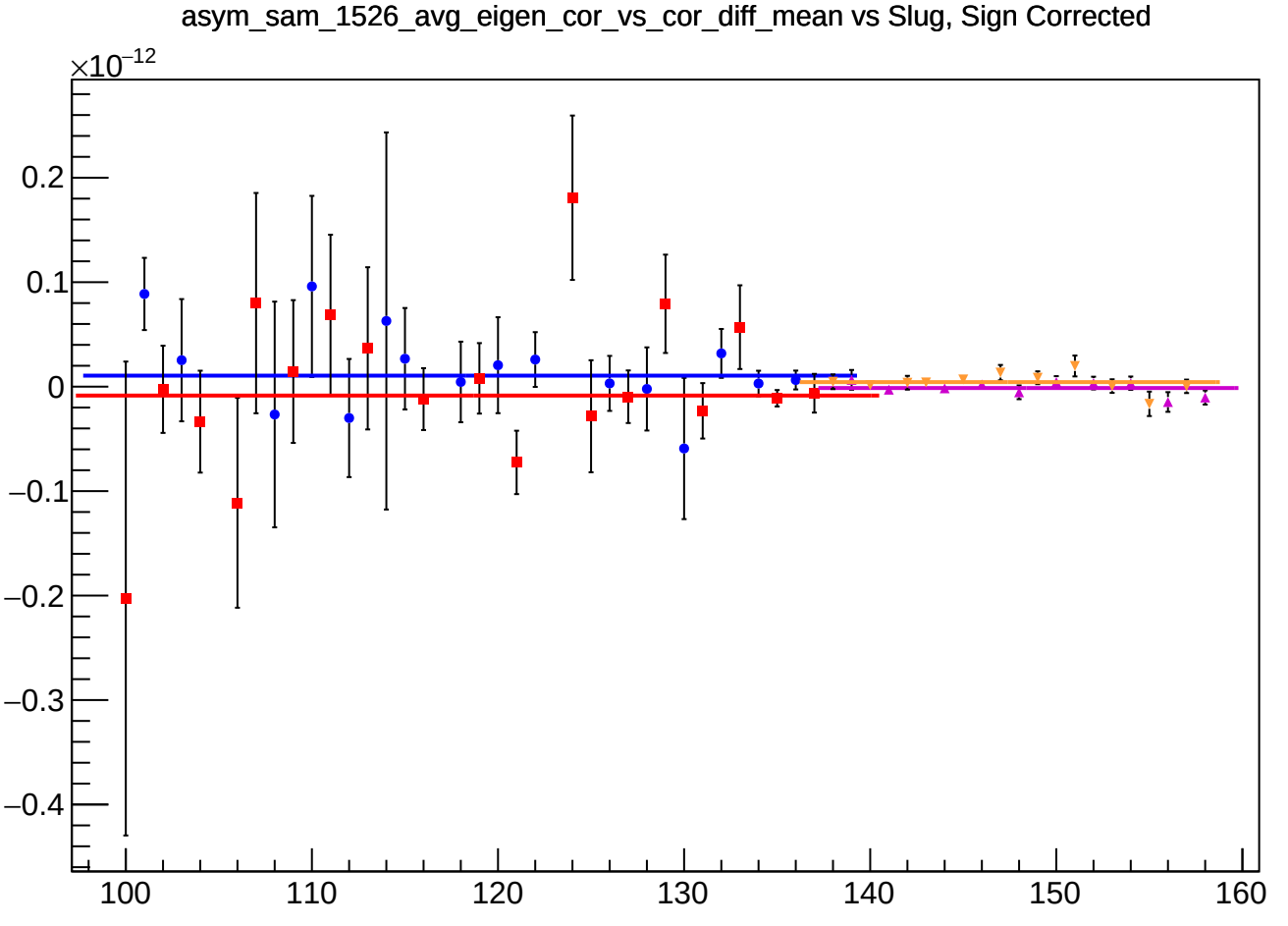
Left: 29.624+/-0.005 χ^2/NDF: 956763.5/20

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.727+/-0.006 χ^2/NDF:3085645.9/25

Out: 31.533+/-0.006 χ^2/NDF:2892383.0/29

All: 30.016+/-0.004 χ^2/NDF: 6097372.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/9

Left: 0.000+/-0.000 χ^2/NDF: 23.0/20

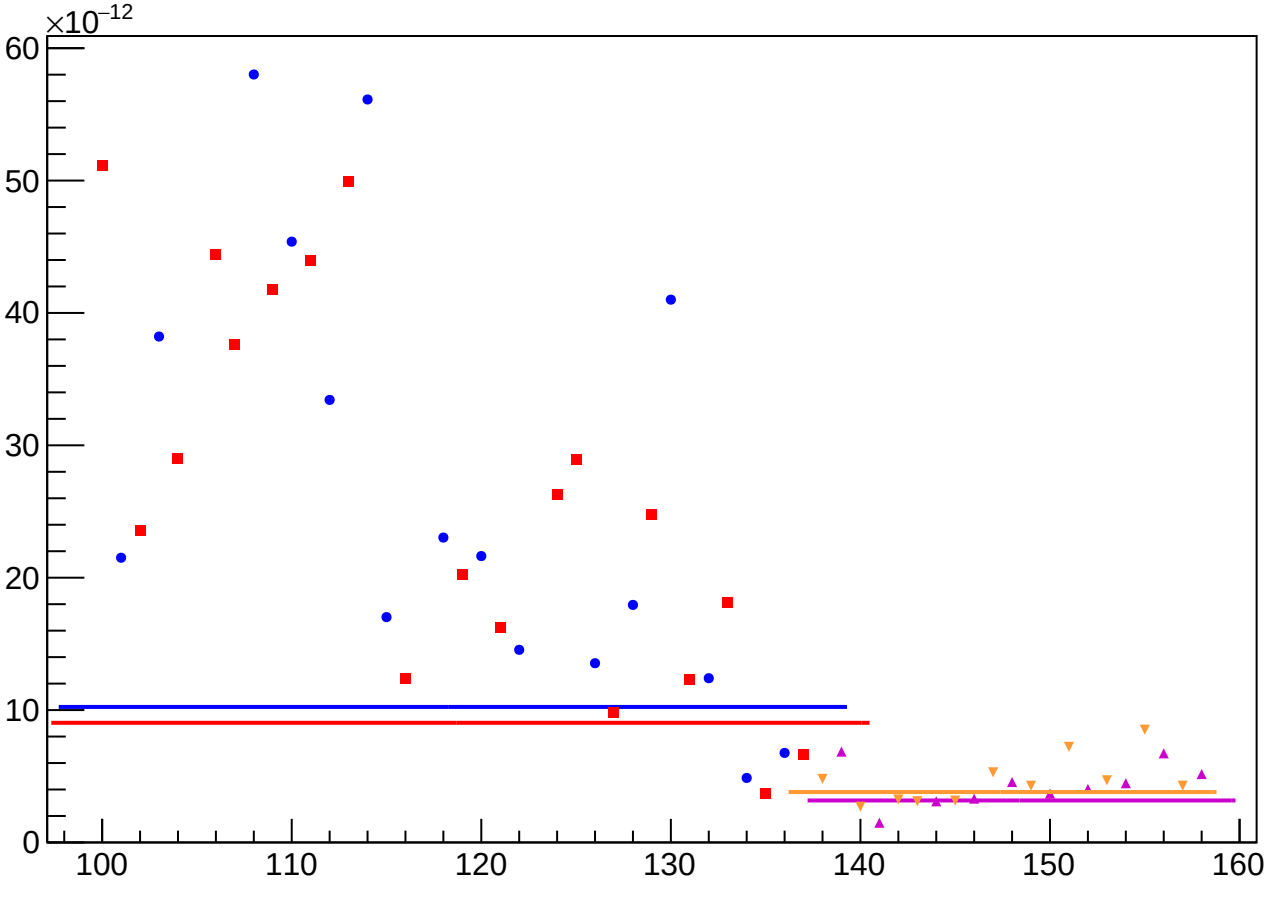
Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: -0.000+/-0.000 χ^2/NDF:21.7/25

Out: 0.000+/-0.000 χ^2/NDF:35.1/29

All: 0.000+/-0.000 χ^2/NDF: 59.6/55

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1024516.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1772013.0/9

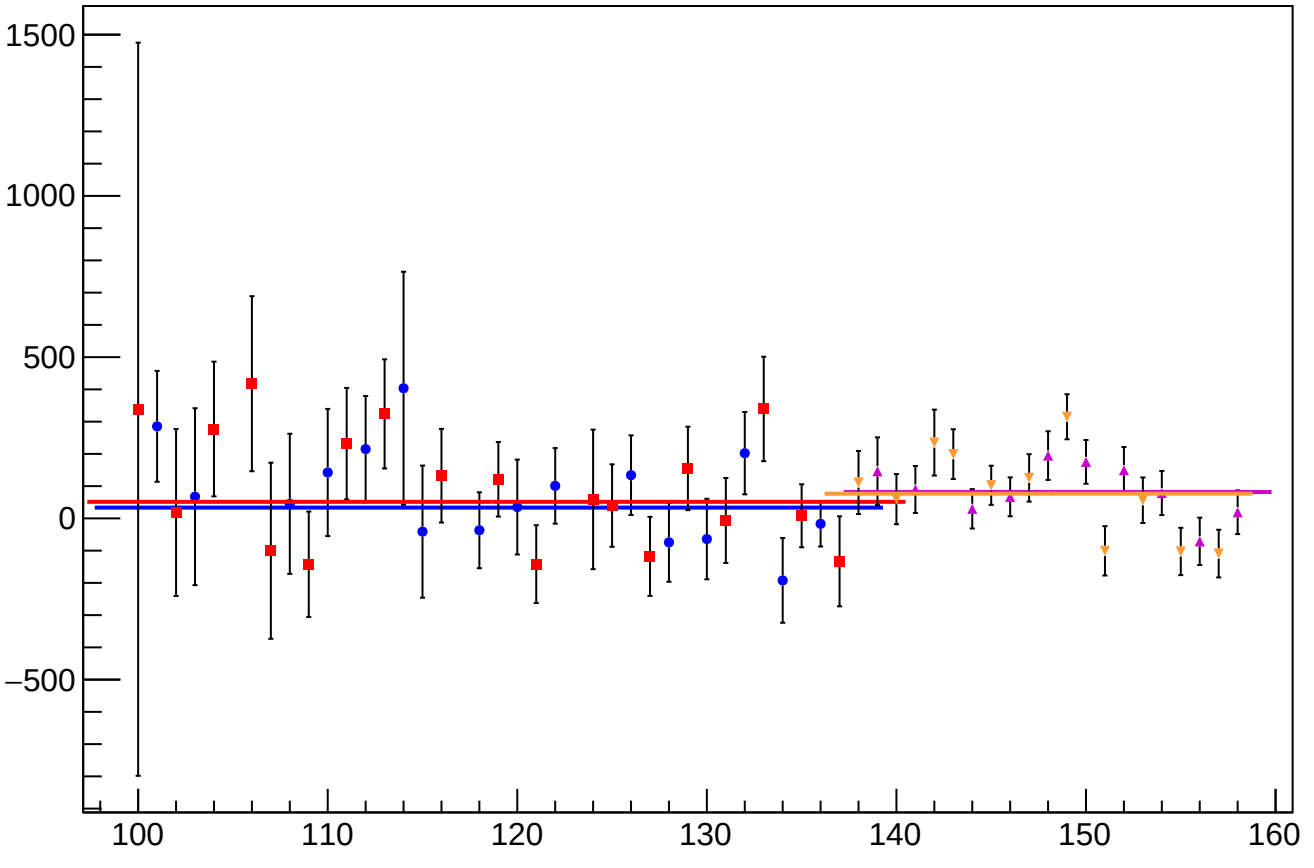
Left: 0.000+/-0.000 χ^2/NDF: 2943262.6/20

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7879132.6/25

Out: 0.000+/-0.000 χ^2/NDF:6973224.4/29

All: 0.000+/-0.000 χ^2/NDF: 14989555.7/55



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 76.604+/-22.737 χ^2/NDF:35.1/10

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 81.670+/-22.211 χ^2/NDF:11.4/9

Left: 79.196+/-15.888 χ^2/NDF: 46.6/20

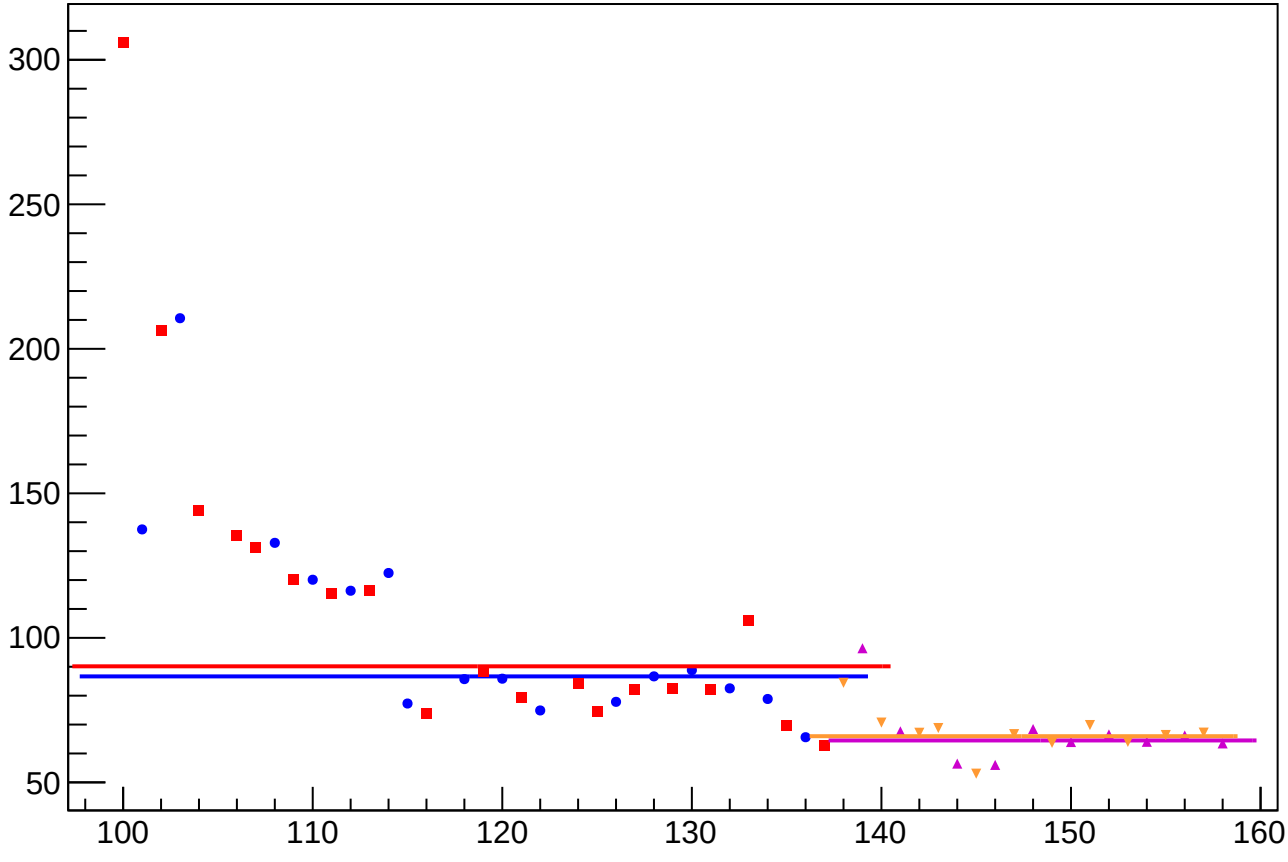
Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 67.170+/-18.575 χ^2/NDF:25.7/25

Out: 69.060+/-19.043 χ^2/NDF:55.1/29

All: 68.091+/-13.297 χ^2/NDF: 80.7/55

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.976+/-0.016 χ^2/NDF:182383.3/10

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

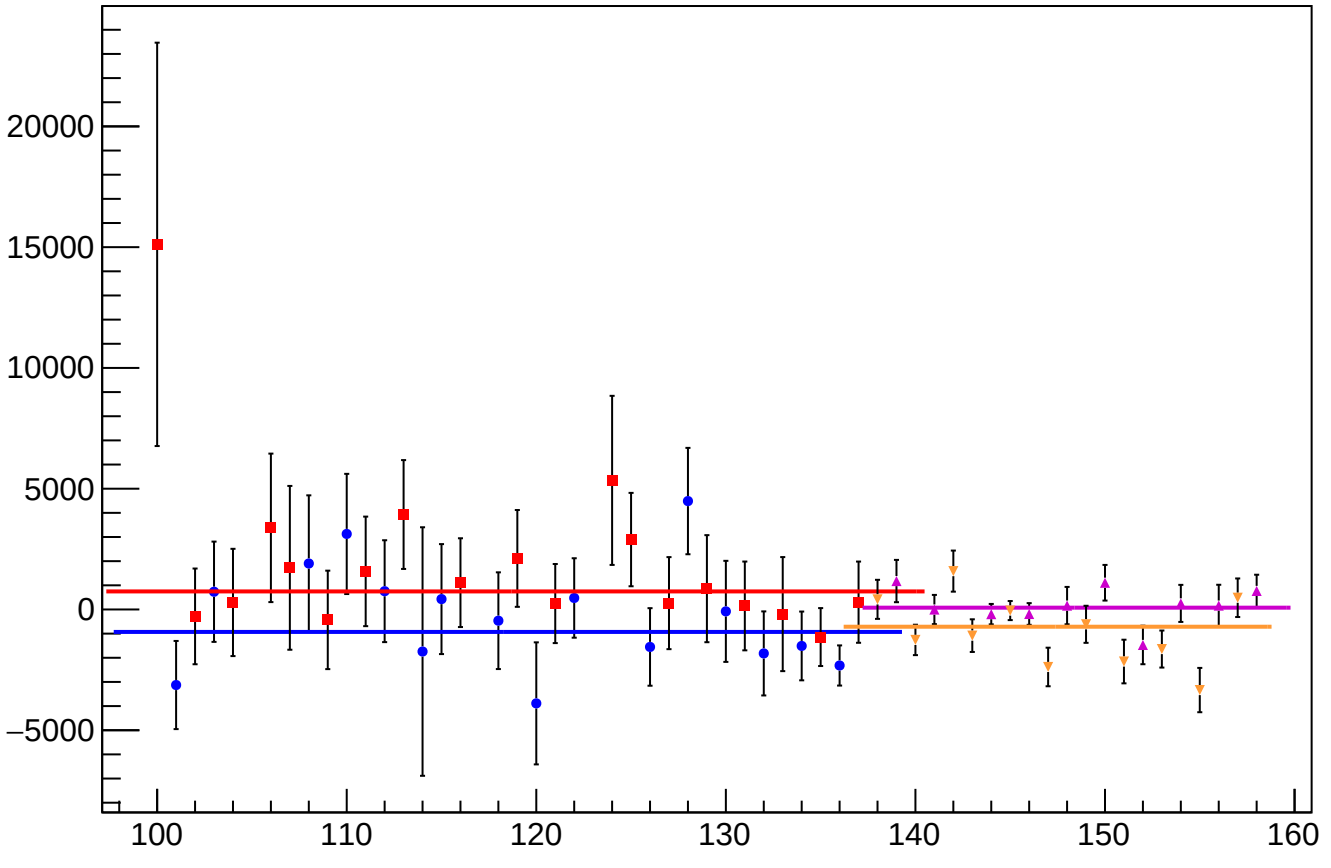
Left: 65.223+/-0.011 χ^2/NDF: 457514.1/20

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 71.166+/-0.013 χ^2/NDF:1908163.1/25

Out: 73.194+/-0.013 χ^2/NDF:2007531.9/29

All: 72.155+/-0.009 χ^2/NDF: 3927316.3/55



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -714.175+/-208.573 χ^2/NDF:32.0/10

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 74.449+/-200.282 χ^2/NDF:9.2/9

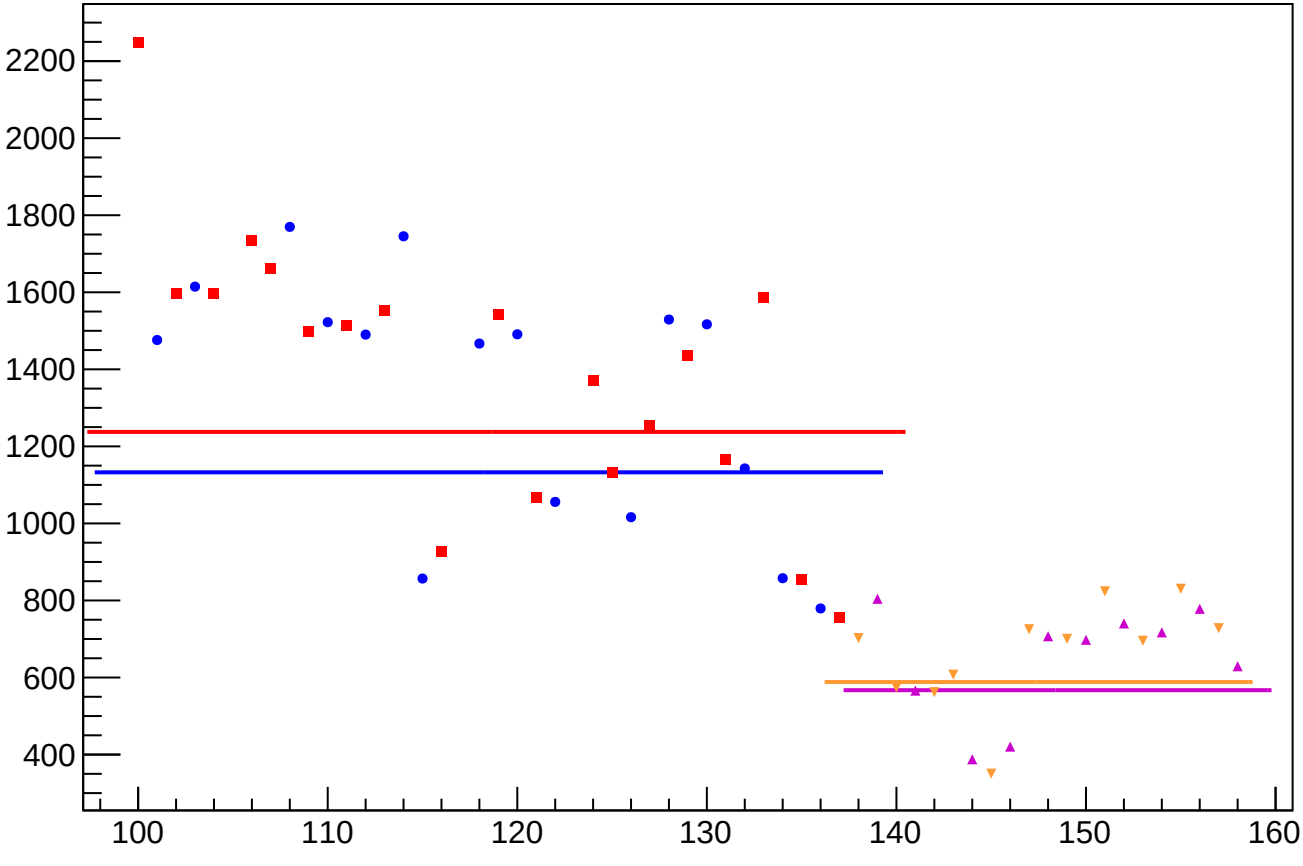
Left: -303.878+/-144.463 χ^2/NDF: 48.6/20

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -97.339+/-182.349 χ^2/NDF:32.0/25

Out: -471.931+/-190.503 χ^2/NDF:53.2/29

All: -276.447+/-131.729 χ^2/NDF: 87.2/55



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 588.296+/-0.147 χ^2/NDF:1247525.0/10

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 567.143+/-0.142 χ^2/NDF:1155802.9/9

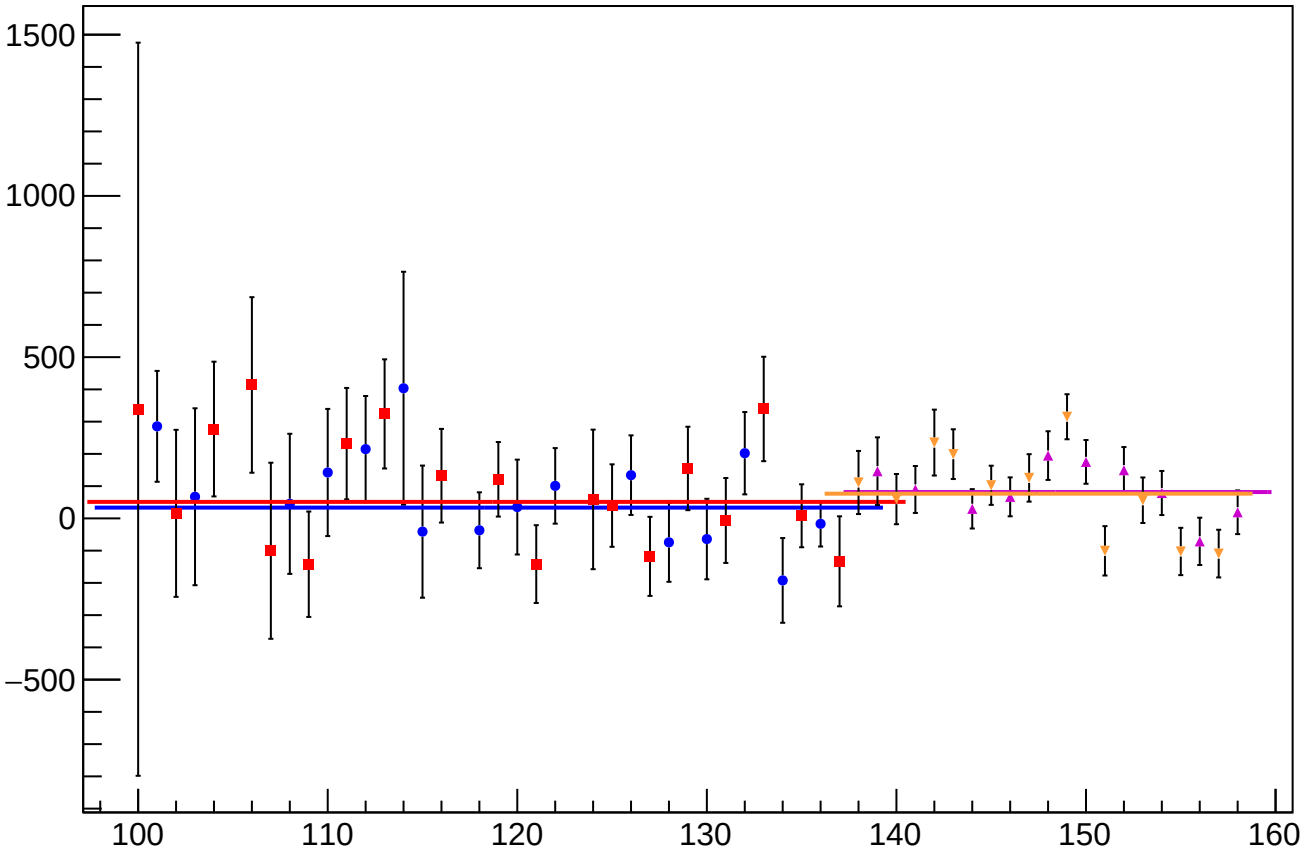
Left: 577.291+/-0.102 χ^2/NDF: 2414030.4/20

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 663.884+/-0.129 χ^2/NDF:5007816.7/25

Out: 695.926+/-0.135 χ^2/NDF:5355703.3/29

All: 679.205+/-0.093 χ^2/NDF: 10393048.1/55



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 76.609+/-22.737 χ^2/NDF:35.1/10

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 81.672+/-22.211 χ^2/NDF:11.4/9

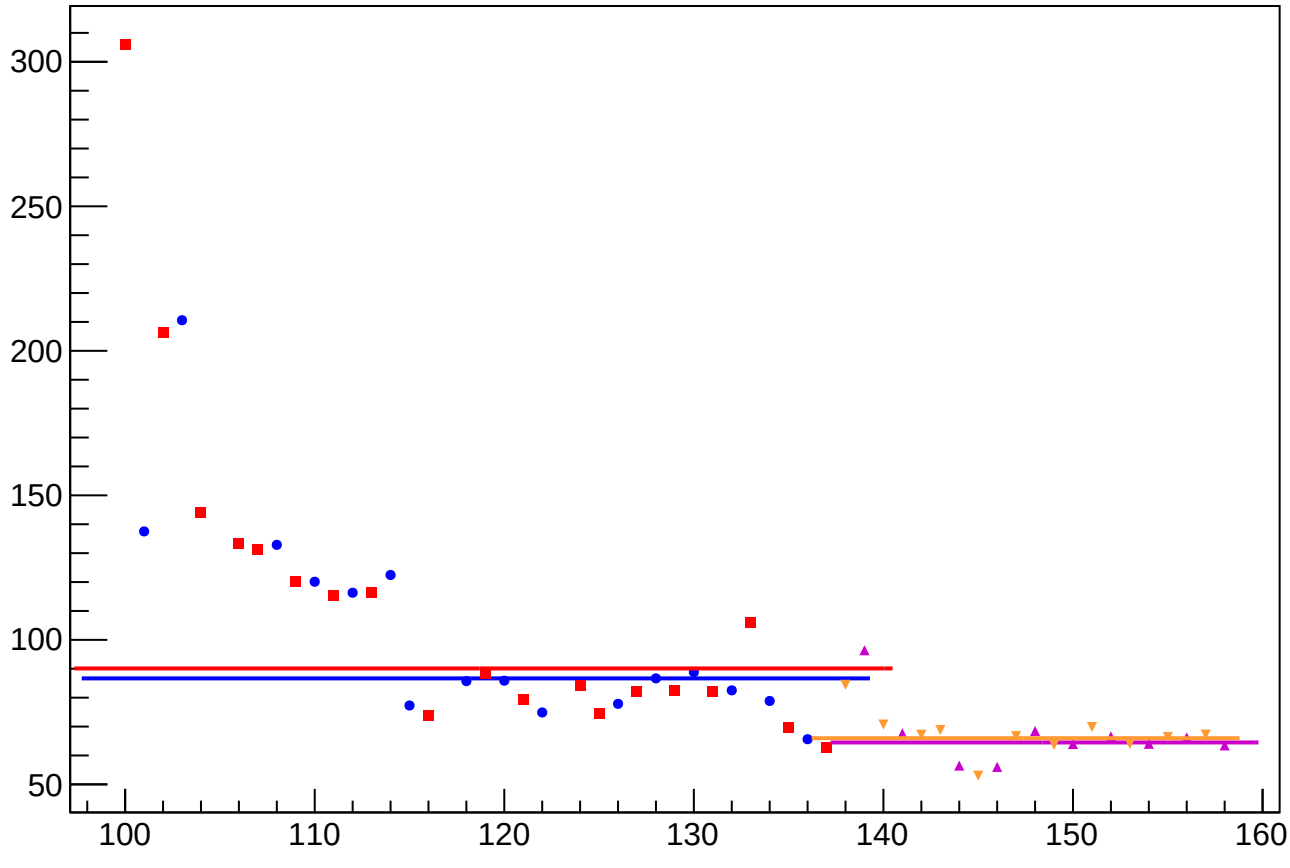
Left: 79.200+/-15.888 χ^2/NDF: 46.6/20

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 67.169+/-18.575 χ^2/NDF:25.6/25

Out: 69.020+/-19.043 χ^2/NDF:55.0/29

All: 68.071+/-13.297 χ^2/NDF: 80.7/55



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.976+/-0.016 χ^2/NDF:182383.3/10

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

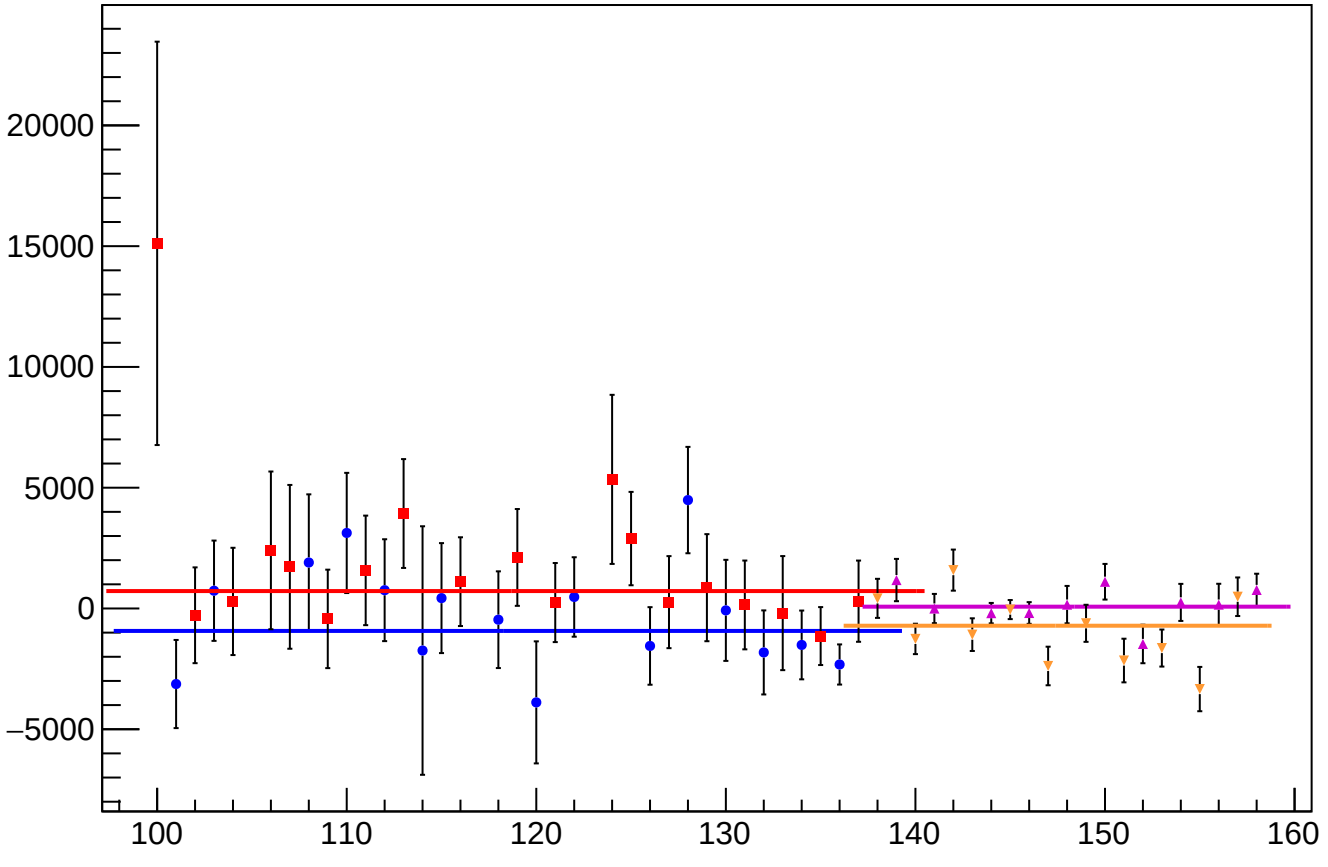
Left: 65.223+/-0.011 χ^2/NDF: 457514.1/20

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 71.166+/-0.013 χ^2/NDF:1908165.6/25

Out: 73.182+/-0.013 χ^2/NDF:2000711.0/29

All: 72.149+/-0.009 χ^2/NDF: 3920364.2/55



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -714.169+/-208.573 χ^2/NDF:32.0/10

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 74.451+/-200.282 χ^2/NDF:9.2/9

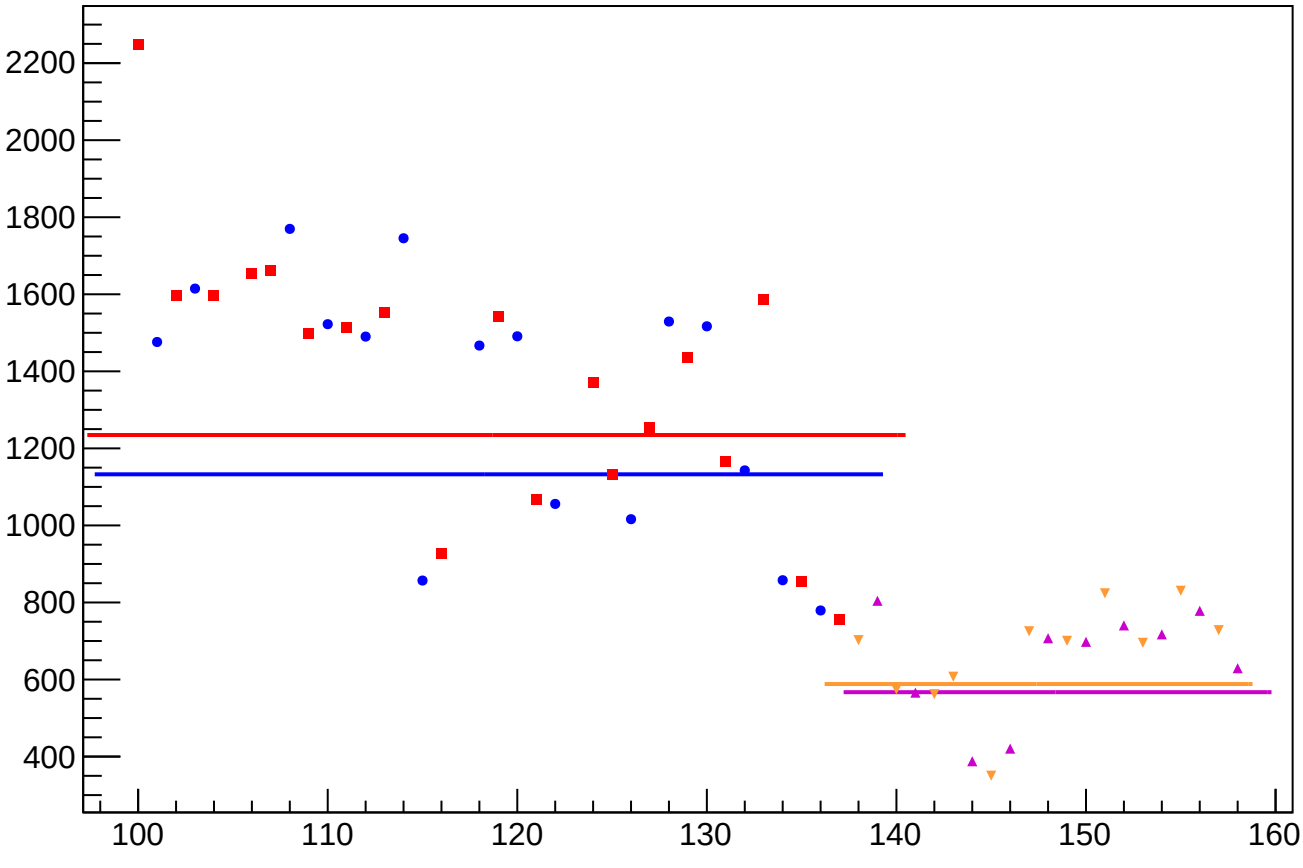
Left: -303.875+/-144.463 χ^2/NDF: 48.6/20

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -97.331+/-182.349 χ^2/NDF:32.0/25

Out: -476.874+/-190.546 χ^2/NDF:52.4/29

All: -278.764+/-131.743 χ^2/NDF: 86.4/55



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 588.296+/-0.147 χ^2/NDF:1247527.8/10

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 567.143+/-0.142 χ^2/NDF:1155803.2/9

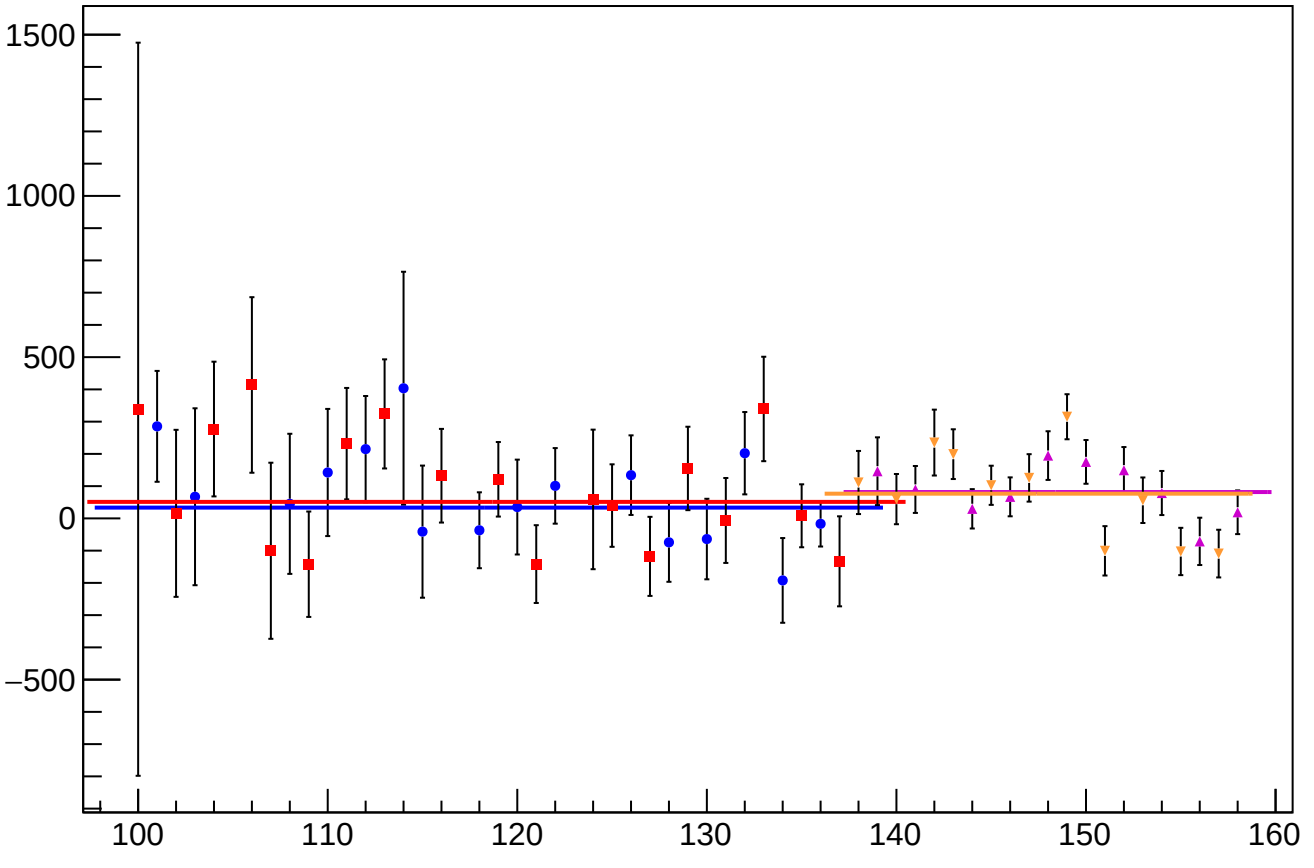
Left: 577.290+/-0.102 χ^2/NDF: 2414033.3/20

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 663.883+/-0.129 χ^2/NDF:5007853.5/25

Out: 695.205+/-0.135 χ^2/NDF:5300978.3/29

All: 678.856+/-0.093 χ^2/NDF: 10337039.1/55



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 76.609+/-22.737 χ^2/NDF:35.1/10

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 81.672+/-22.211 χ^2/NDF:11.4/9

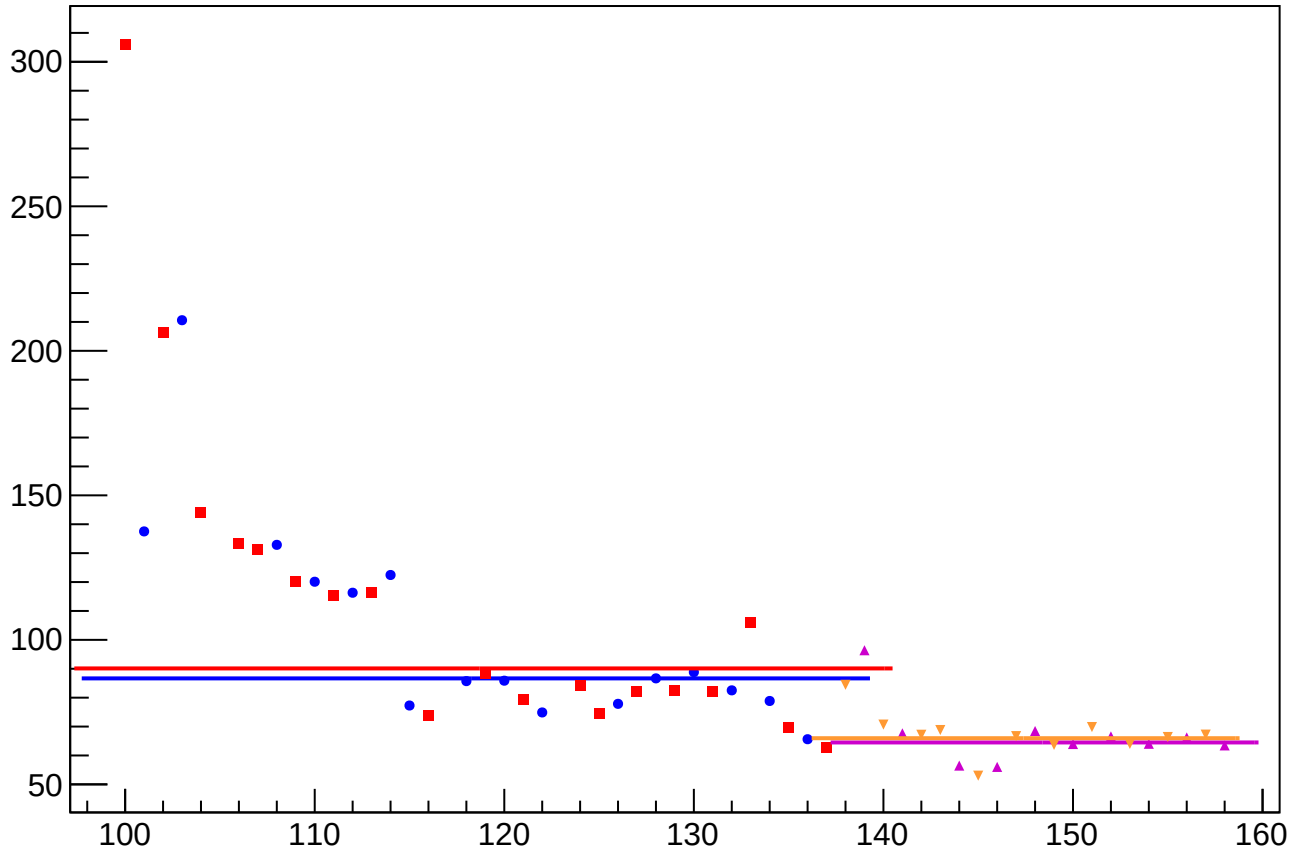
Left: 79.200+/-15.888 χ^2/NDF: 46.6/20

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 67.169+/-18.575 χ^2/NDF:25.6/25

Out: 69.020+/-19.043 χ^2/NDF:55.0/29

All: 68.071+/-13.297 χ^2/NDF: 80.7/55



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.976+/-0.016 χ^2/NDF:182383.3/10

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

Left: 65.223+/-0.011 χ^2/NDF: 457514.1/20

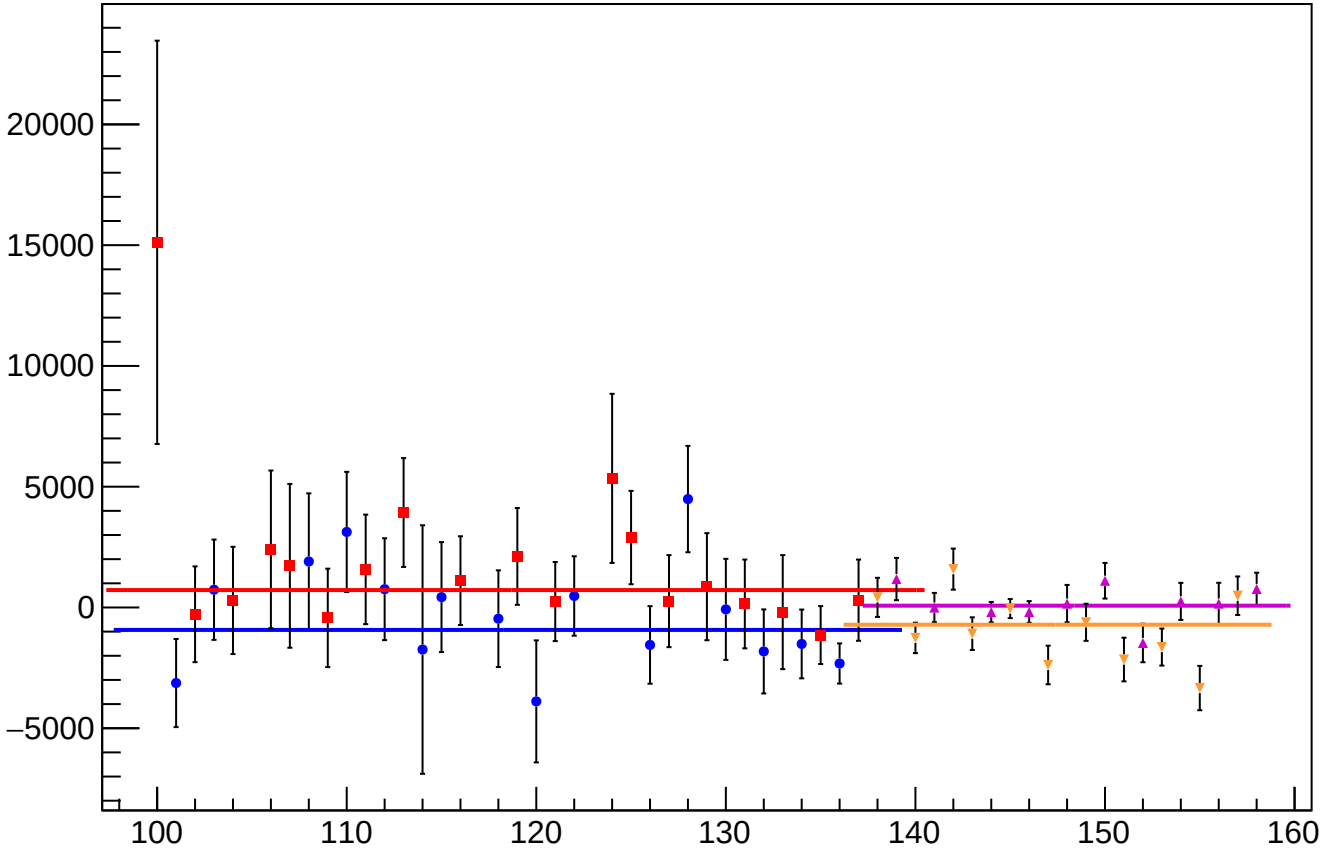
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 71.166+/-0.013 χ^2/NDF:1908165.6/25

Out: 73.182+/-0.013 χ^2/NDF:2000711.0/29

All: 72.149+/-0.009 χ^2/NDF: 3920364.2/55

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: -714.169+/-208.573 χ^2/NDF:32.0/10

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 74.451+/-200.282 χ^2/NDF:9.2/9

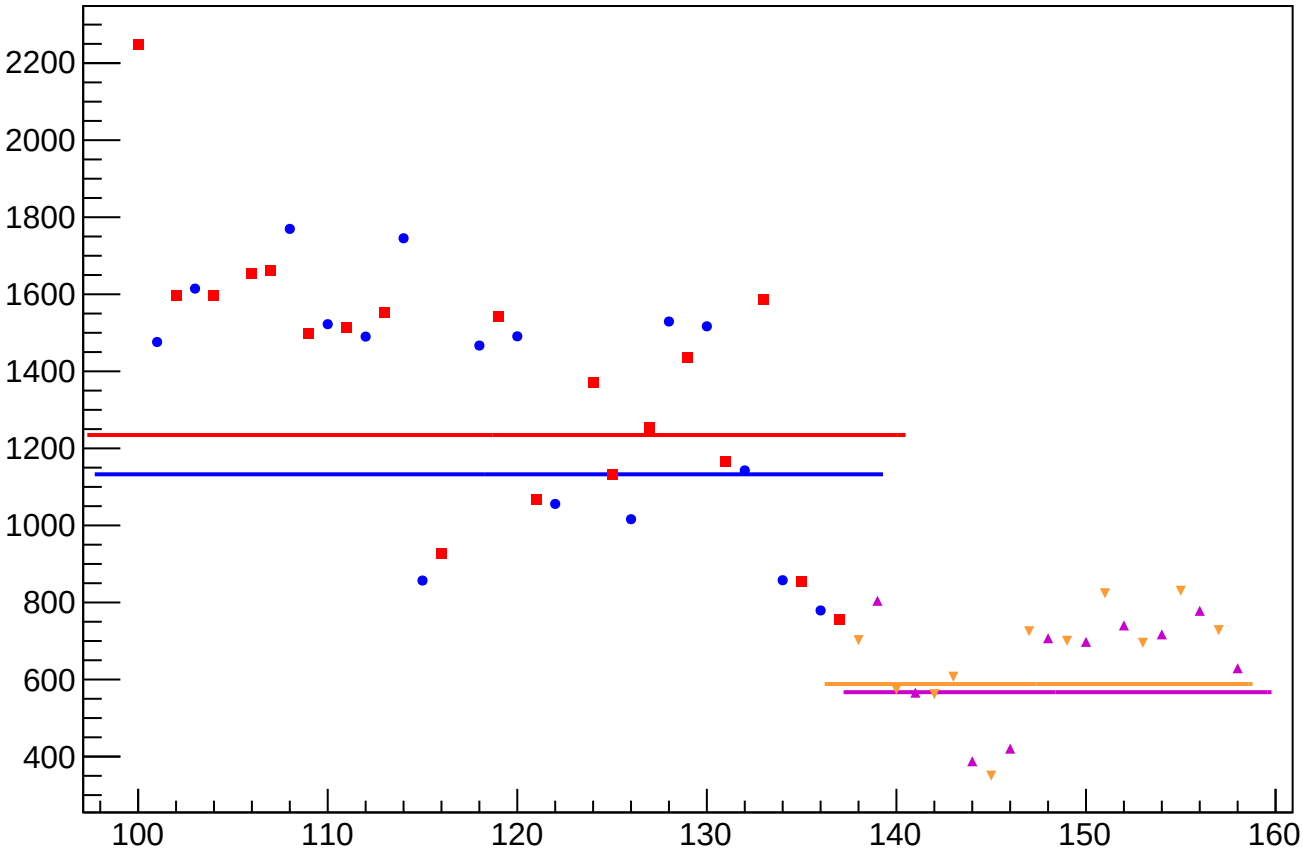
Left: -303.875+/-144.463 χ^2/NDF: 48.6/20

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -97.331+/-182.349 χ^2/NDF:32.0/25

Out: -476.874+/-190.546 χ^2/NDF:52.4/29

All: -278.764+/-131.743 χ^2/NDF: 86.4/55



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 588.296+/-0.147 χ^2/NDF:1247527.8/10

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 567.143+/-0.142 χ^2/NDF:1155803.2/9

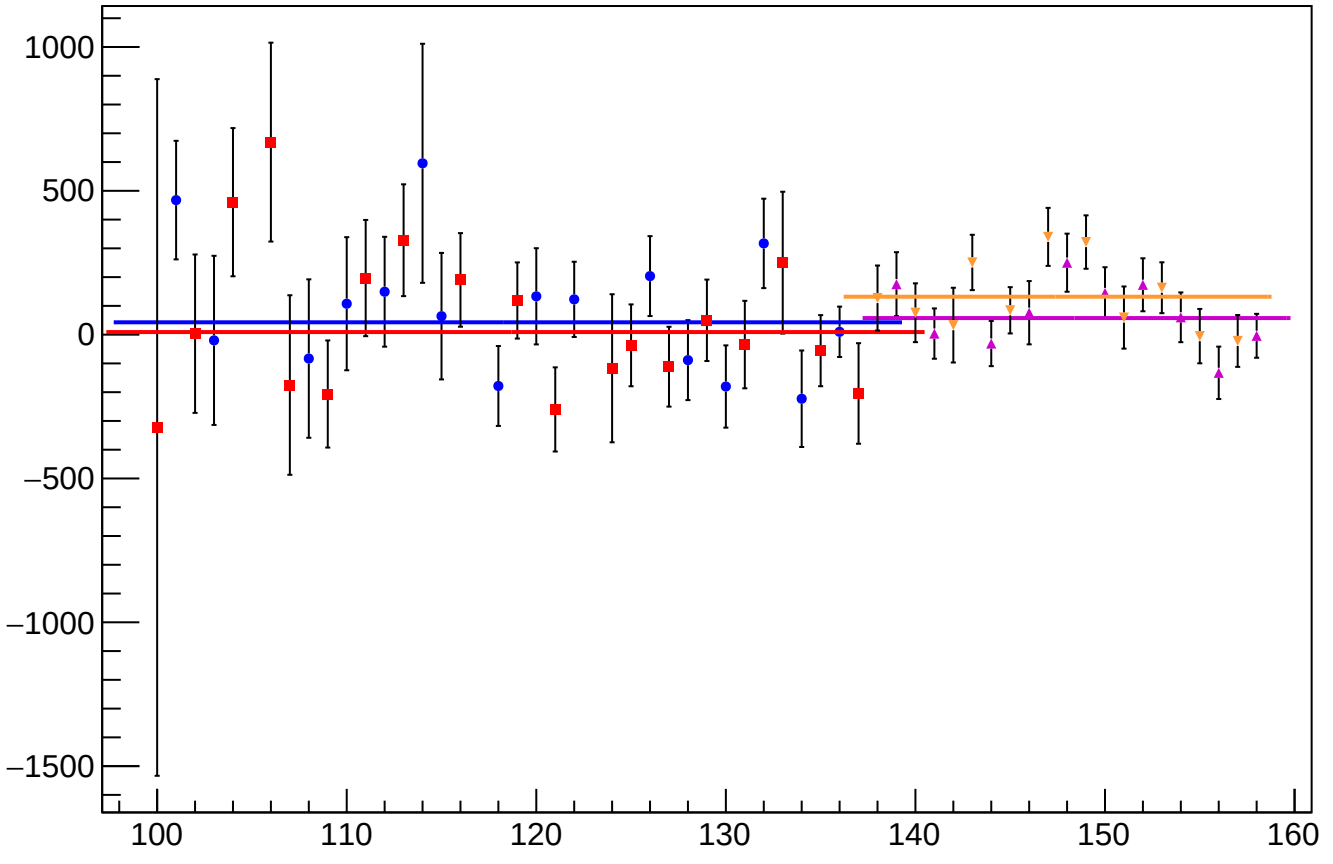
Left: 577.290+/-0.102 χ^2/NDF: 2414033.3/20

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 663.883+/-0.129 χ^2/NDF:5007853.5/25

Out: 695.205+/-0.135 χ^2/NDF:5300978.3/29

All: 678.856+/-0.093 χ^2/NDF: 10337039.1/55



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 131.917+/-29.375 χ^2/NDF:16.8/10

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 57.642+/-28.594 χ^2/NDF:14.0/9

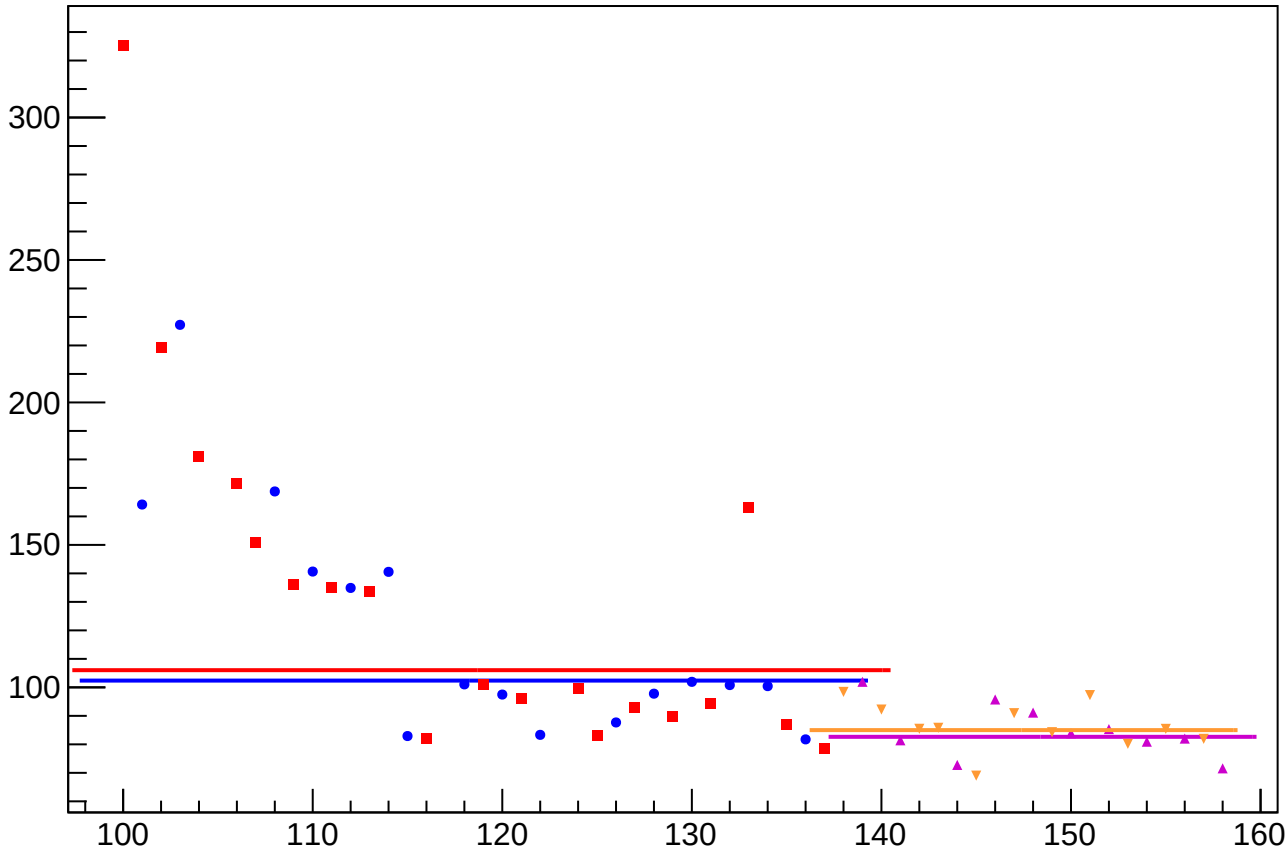
Left: 93.780+/-20.490 χ^2/NDF: 34.1/20

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 52.653+/-23.252 χ^2/NDF:34.4/25

Out: 90.301+/-23.890 χ^2/NDF:44.1/29

All: 70.967+/-16.663 χ^2/NDF: 79.7/55



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 84.995+/-0.021 χ^2/NDF:158388.9/10

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.642+/-0.020 χ^2/NDF:179789.8/9

Left: 83.787+/-0.014 χ^2/NDF: 344763.6/20

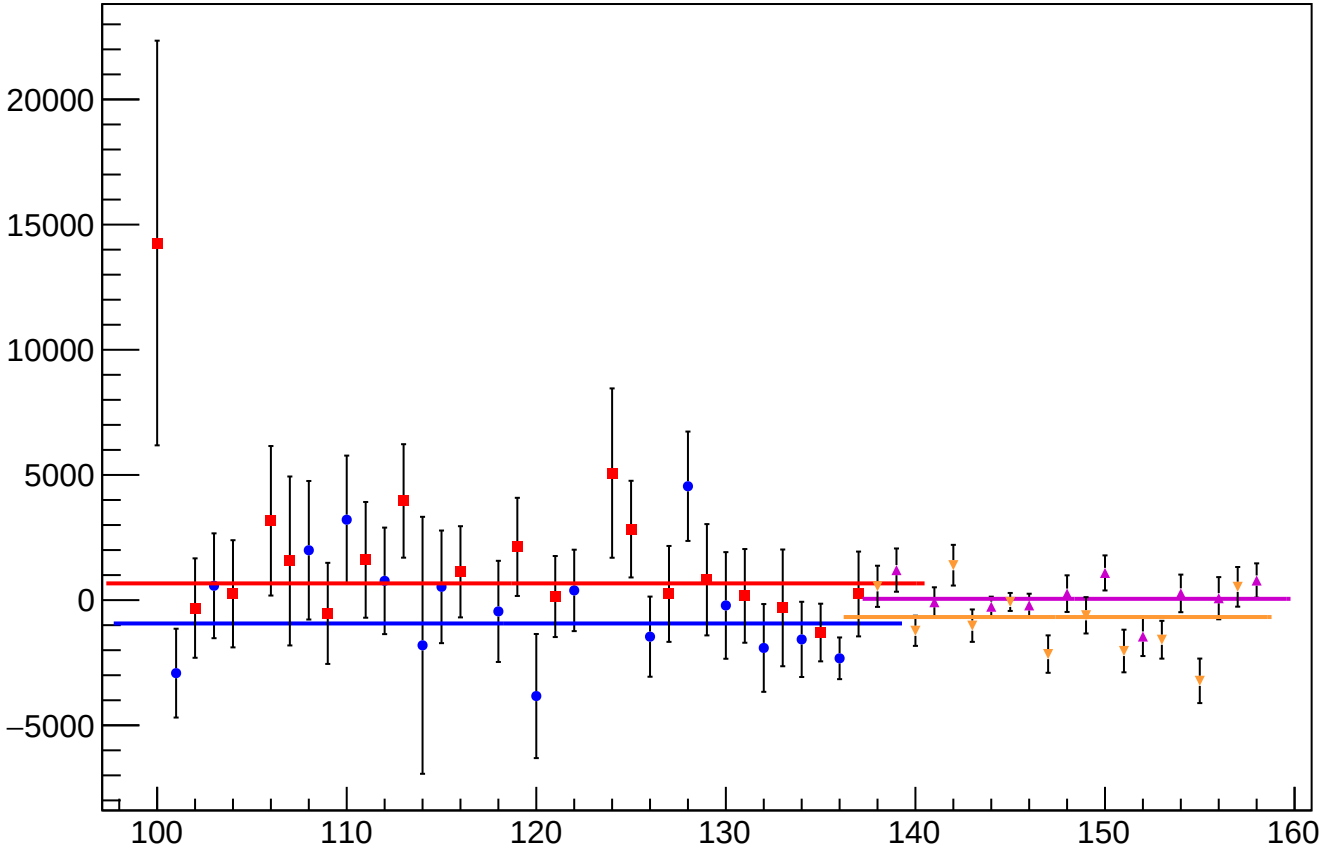
Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 89.329+/-0.016 χ^2/NDF:1484880.4/25

Out: 92.117+/-0.017 χ^2/NDF:1696978.5/29

All: 90.685+/-0.012 χ^2/NDF: 3195849.1/55

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: -675.311+/-197.812 χ^2/NDF:31.1/10

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 51.376+/-196.529 χ^2/NDF:10.0/9

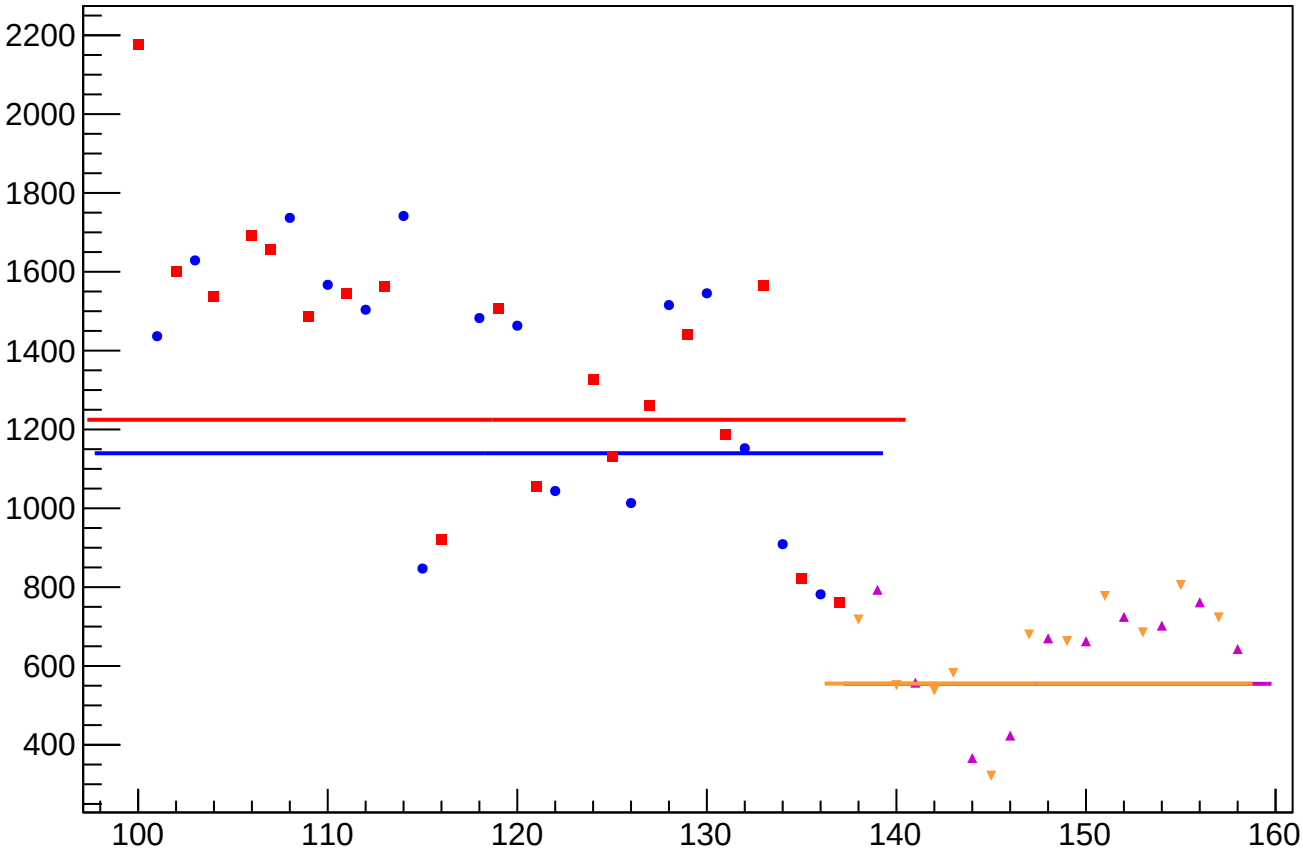
Left: -309.602+/-139.418 χ^2/NDF: 47.8/20

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -110.566+/-179.626 χ^2/NDF:32.6/25

Out: -468.040+/-181.919 χ^2/NDF:51.7/29

All: -287.036+/-127.818 χ^2/NDF: 86.2/55



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 555.357+/-0.140 χ^2/NDF:1471627.4/10

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 554.813+/-0.139 χ^2/NDF:1177788.1/9

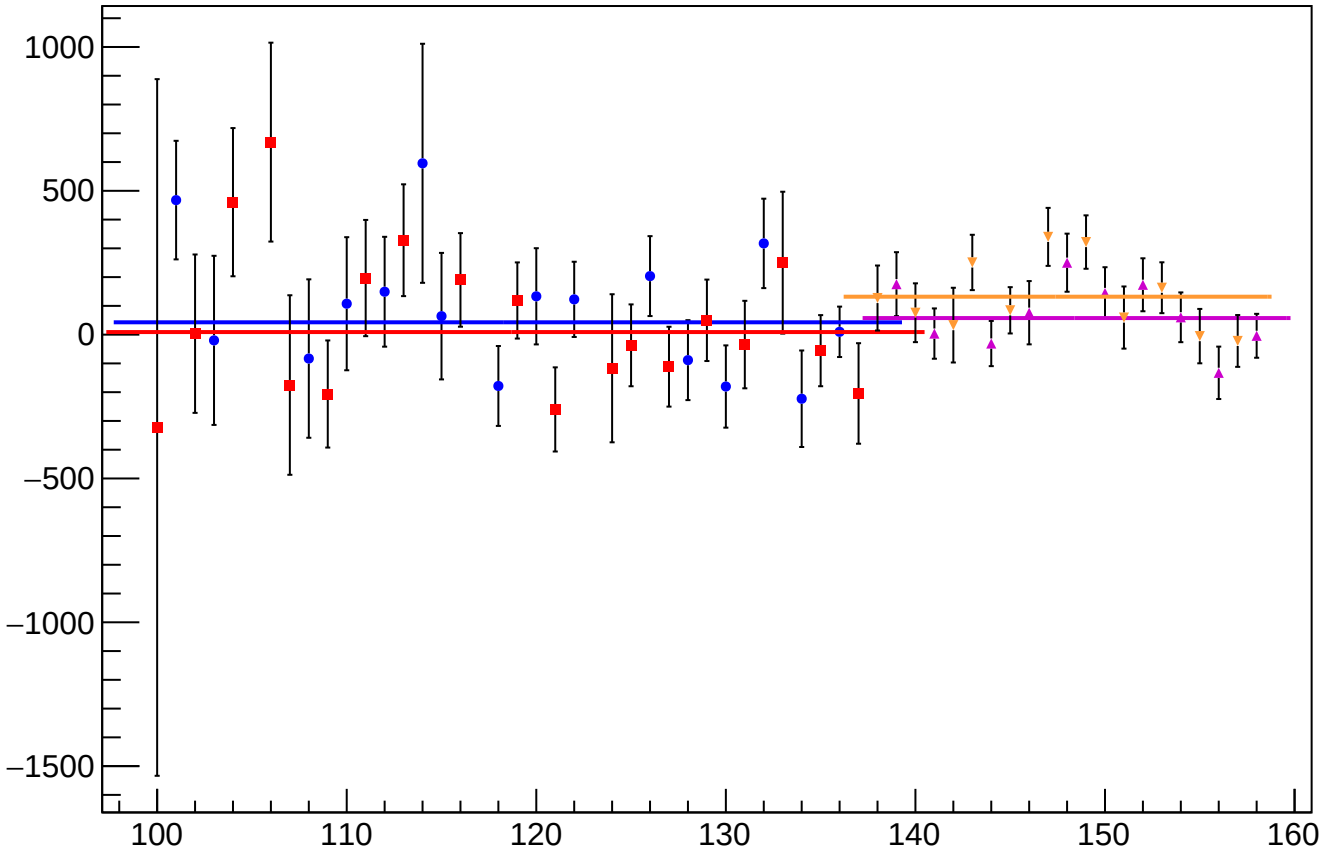
Left: 555.083+/-0.099 χ^2/NDF: 2649423.1/20

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 651.088+/-0.127 χ^2/NDF:5186810.3/25

Out: 658.586+/-0.129 χ^2/NDF:5925302.5/29

All: 654.789+/-0.090 χ^2/NDF: 11113832.9/55



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 131.917+/-29.375 χ^2/NDF:16.8/10

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 57.641+/-28.594 χ^2/NDF:14.0/9

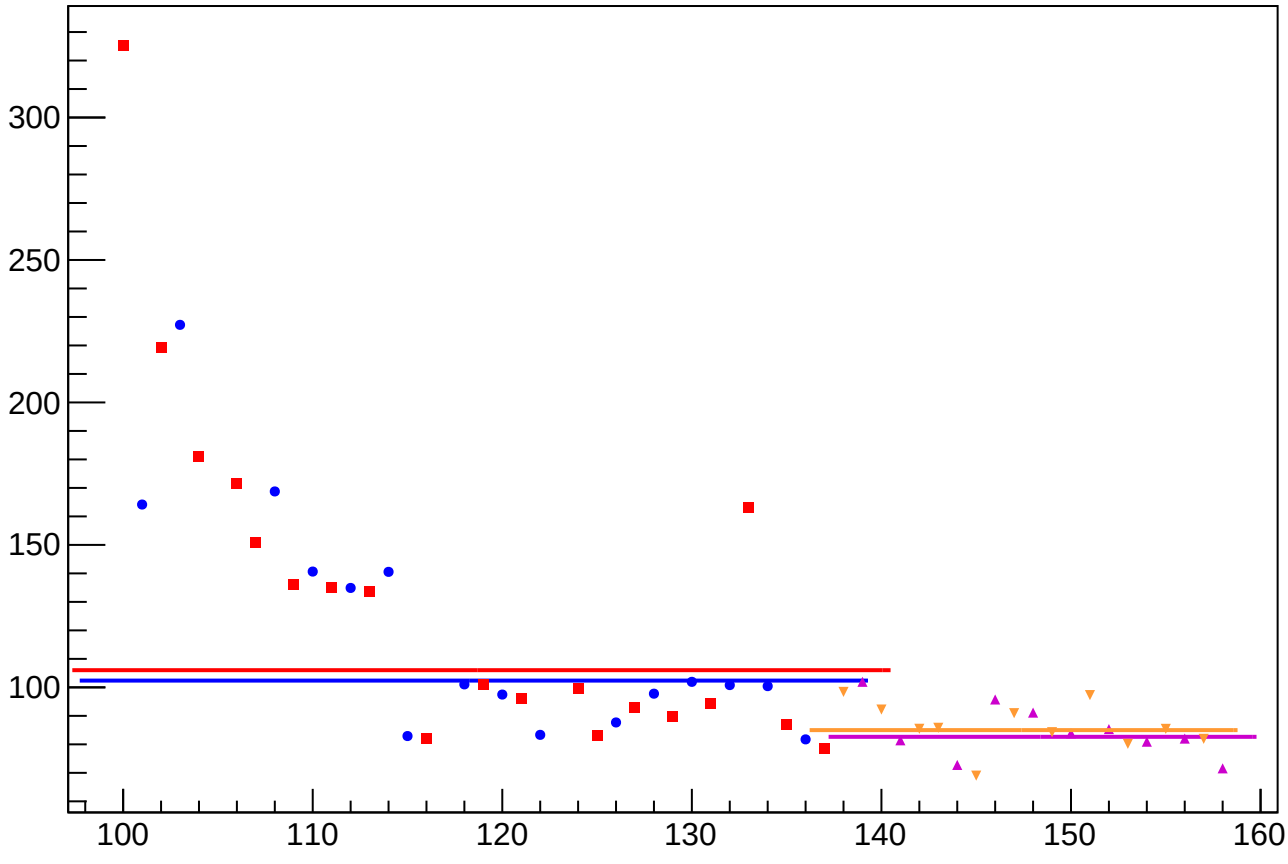
Left: 93.779+/-20.490 χ^2/NDF: 34.1/20

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 52.652+/-23.252 χ^2/NDF:34.4/25

Out: 90.299+/-23.890 χ^2/NDF:44.1/29

All: 70.966+/-16.663 χ^2/NDF: 79.7/55



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 84.995+/-0.021 χ^2/NDF:158381.4/10

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.643+/-0.020 χ^2/NDF:179793.2/9

Left: 83.787+/-0.014 χ^2/NDF: 344760.3/20

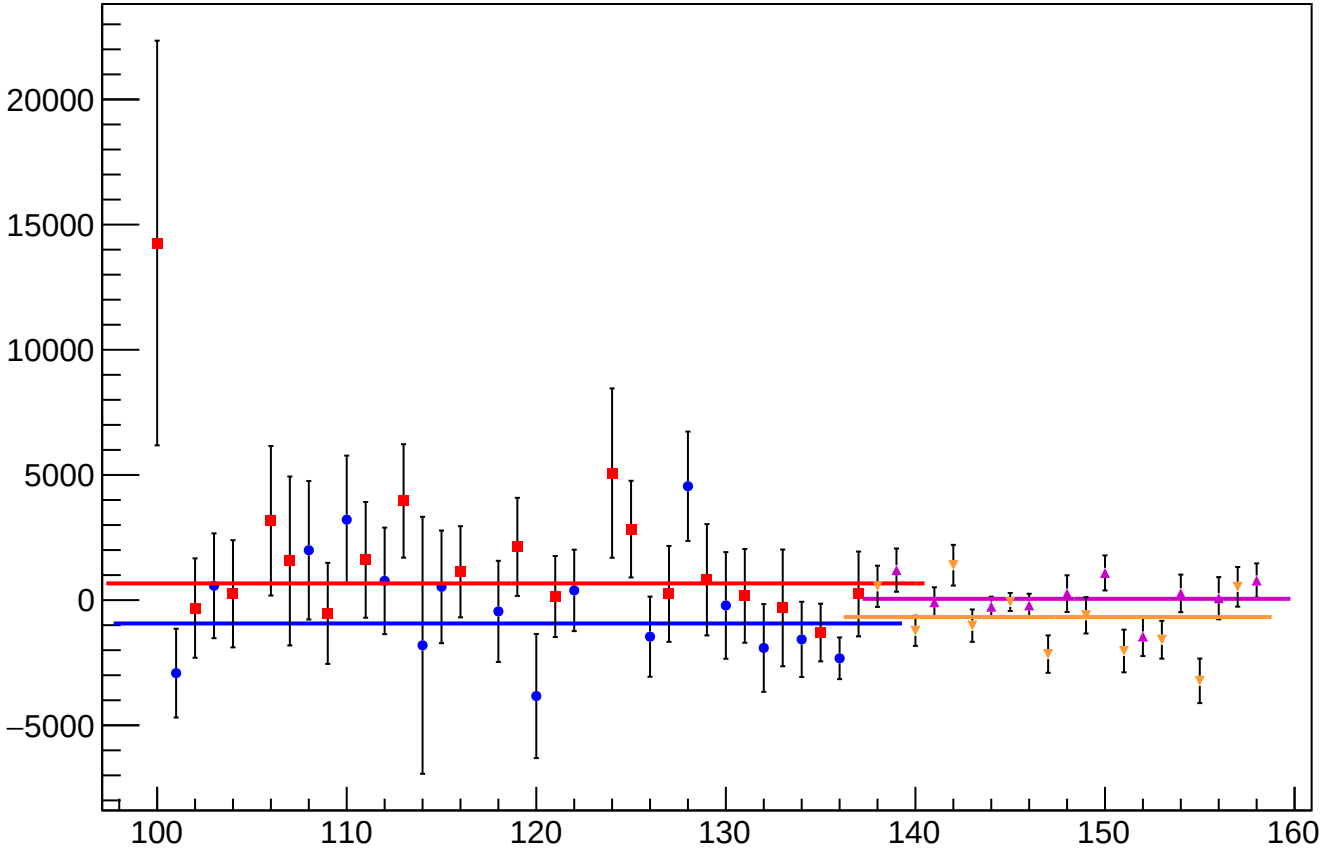
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 89.329+/-0.016 χ^2/NDF:1484863.5/25

Out: 92.117+/-0.017 χ^2/NDF:1696956.0/29

All: 90.685+/-0.012 χ^2/NDF: 3195811.2/55

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -675.311+/-197.812 χ^2/NDF:31.1/10

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 51.376+/-196.529 χ^2/NDF:10.0/9

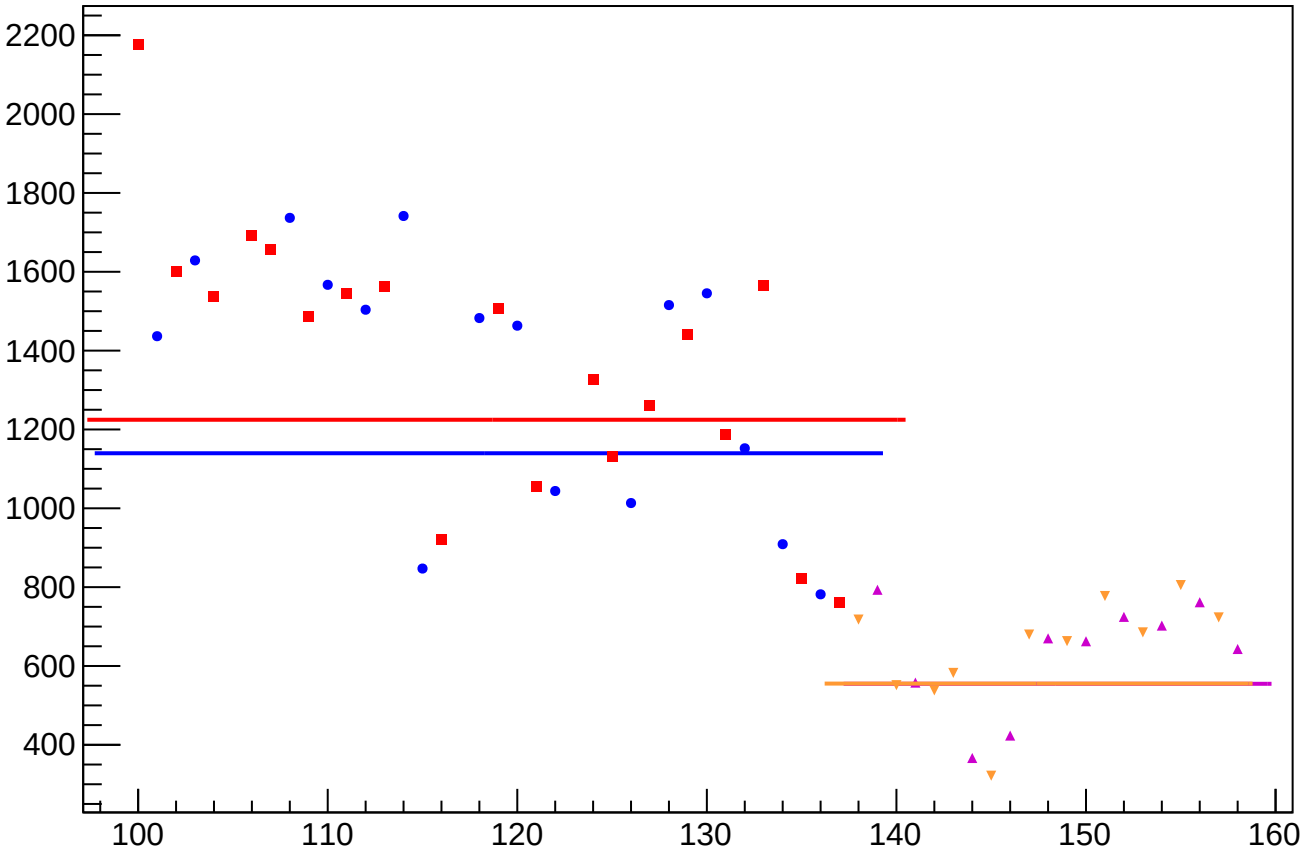
Left: -309.603+/-139.418 χ^2/NDF: 47.8/20

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -110.566+/-179.626 χ^2/NDF:32.6/25

Out: -468.040+/-181.918 χ^2/NDF:51.7/29

All: -287.036+/-127.817 χ^2/NDF: 86.2/55



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 555.355+/-0.140 χ^2/NDF:1471646.5/10

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 554.812+/-0.139 χ^2/NDF:1177793.8/9

Left: 555.082+/-0.099 χ^2/NDF: 2649447.9/20

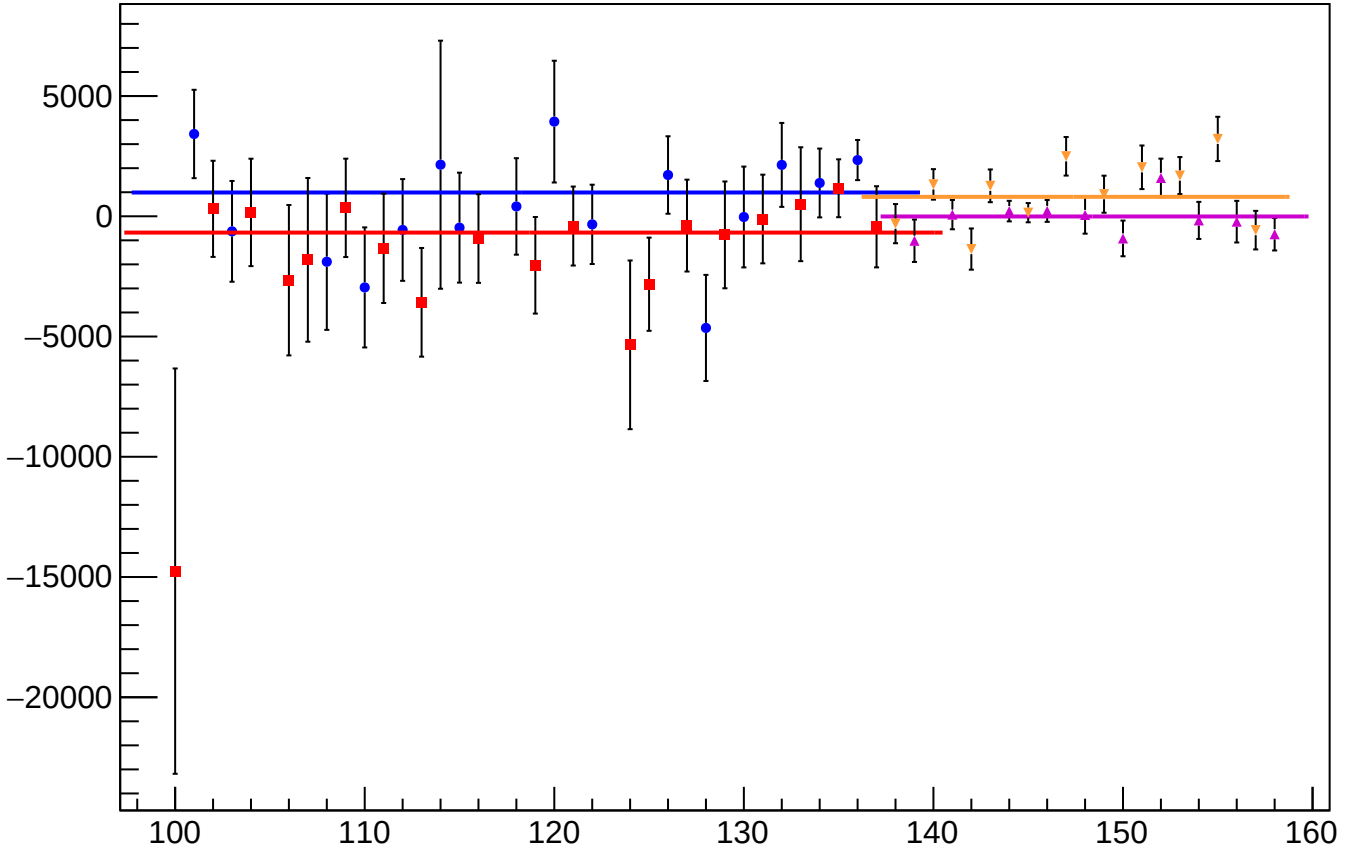
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 651.087+/-0.127 χ^2/NDF:5186807.4/25

Out: 658.584+/-0.129 χ^2/NDF:5925319.5/29

All: 654.788+/-0.090 χ^2/NDF: 11113846.7/55

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 808.200+/-210.154 χ^2/NDF:29.6/10

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -7.951+/-201.843 χ^2/NDF:8.7/9

Left: 383.667+/-145.574 χ^2/NDF: 46.1/20

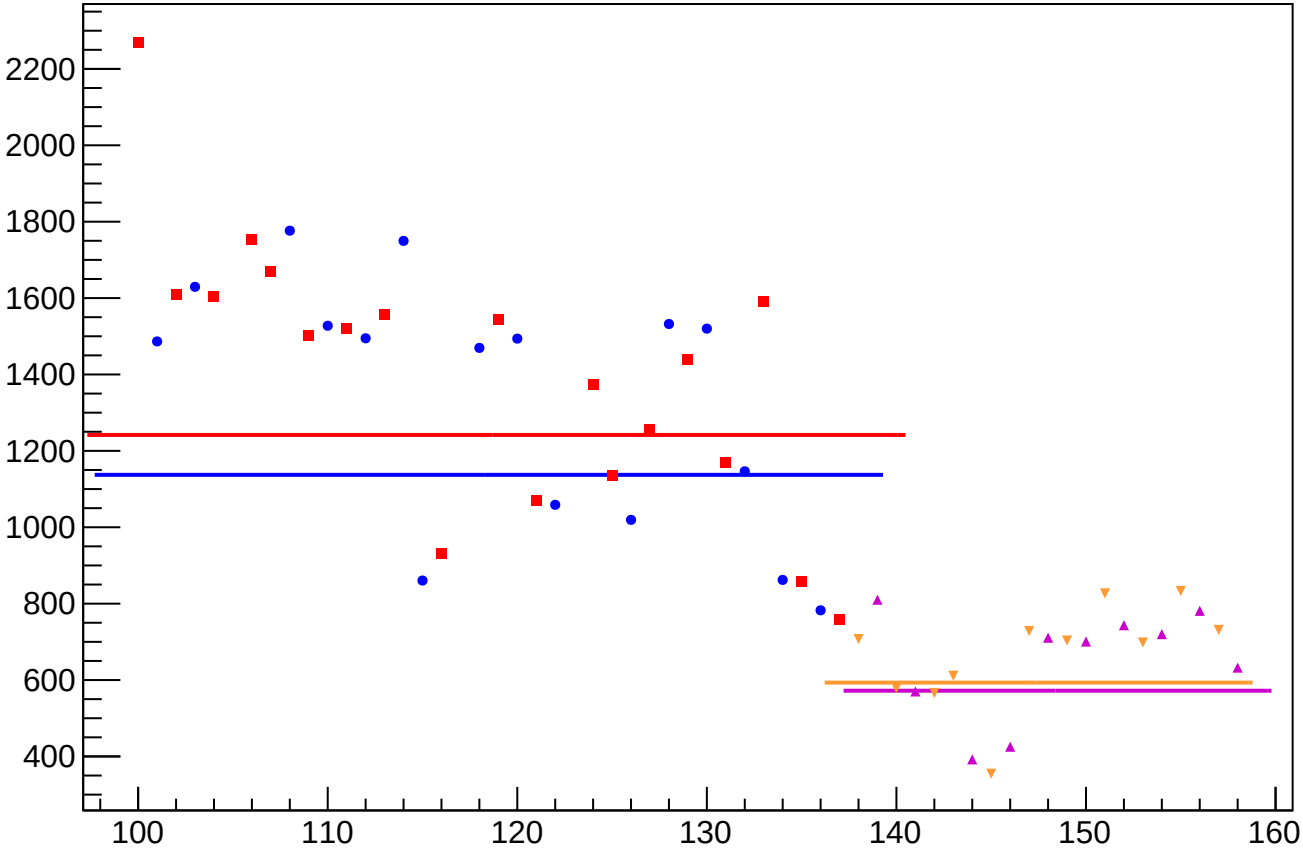
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 163.724+/-183.650 χ^2/NDF:31.9/25

Out: 560.327+/-191.826 χ^2/NDF:49.8/29

All: 353.394+/-132.656 χ^2/NDF: 84.0/55

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 593.295+/-0.149 χ^2/NDF:1217536.8/10

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 572.027+/-0.143 χ^2/NDF:1130538.8/9

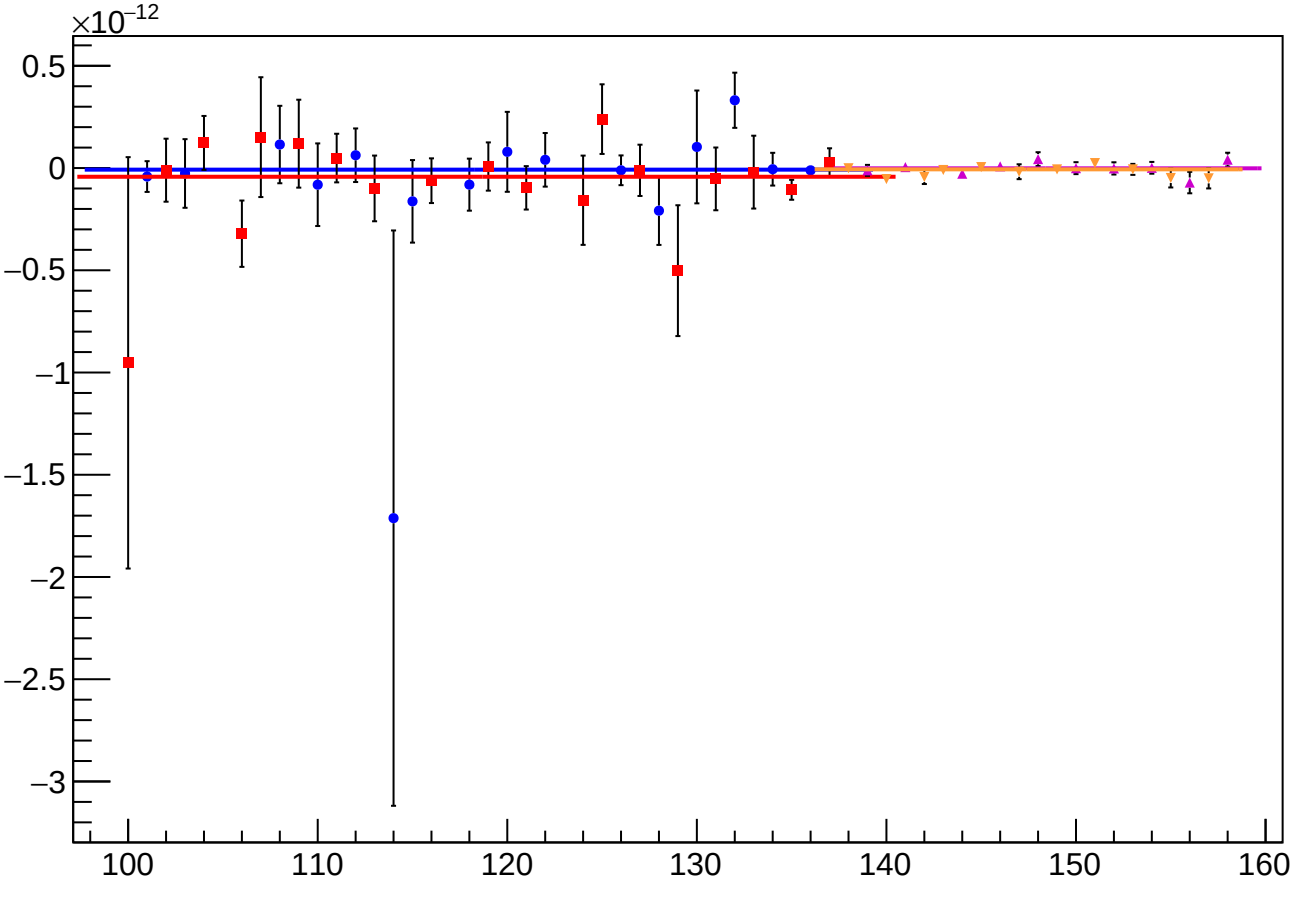
Left: 582.232+/-0.103 χ^2/NDF: 2358730.2/20

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 669.322+/-0.130 χ^2/NDF:4953749.9/25

Out: 701.467+/-0.136 χ^2/NDF:5293238.6/29

All: 684.695+/-0.094 χ^2/NDF: 10276291.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/9

Left: -0.000+/-0.000 χ^2/NDF: 21.8/20

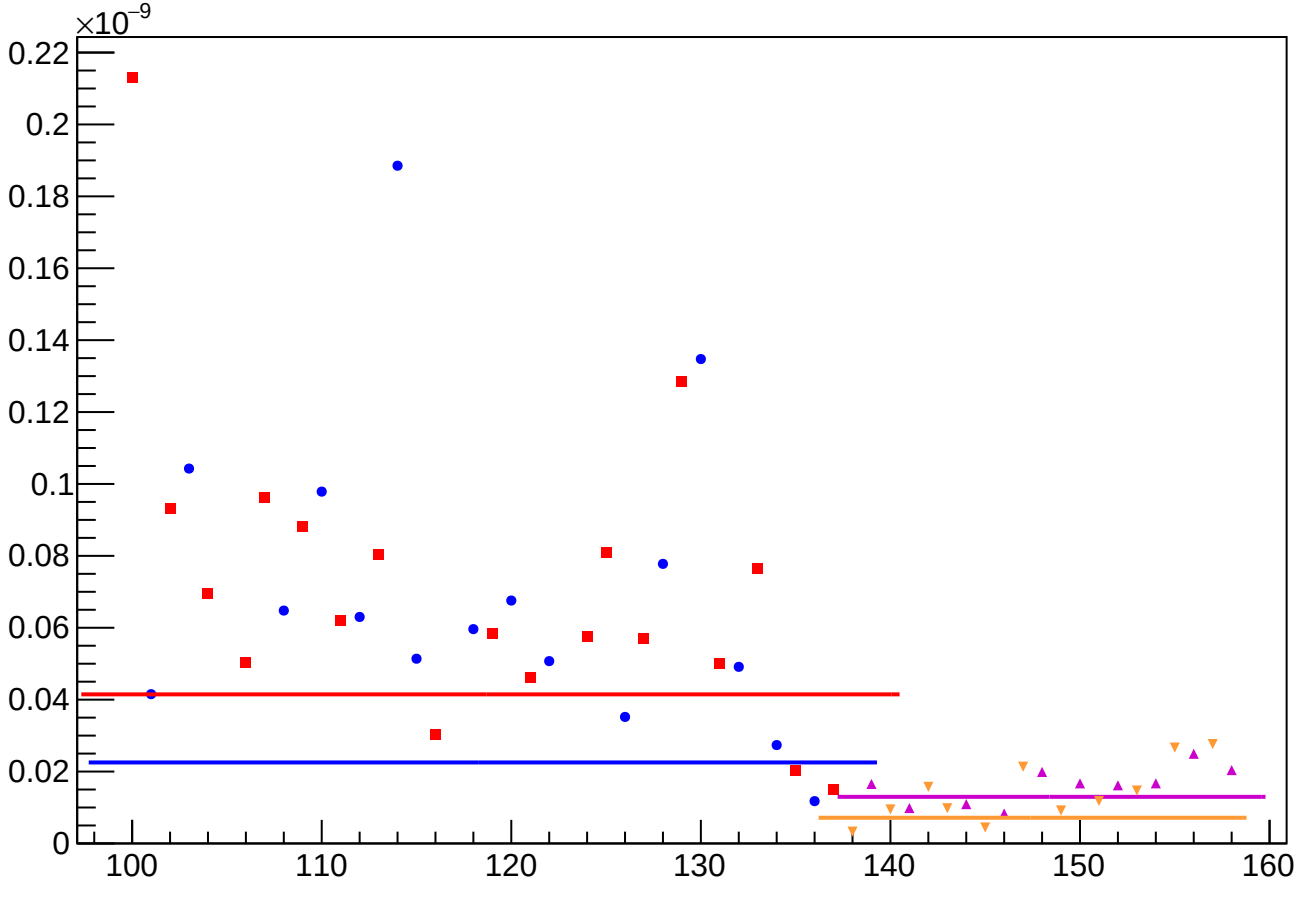
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.1/25

Out: -0.000+/-0.000 χ^2/NDF:30.6/29

All: -0.000+/-0.000 χ^2/NDF: 51.0/55

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1930953.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:667582.8/9

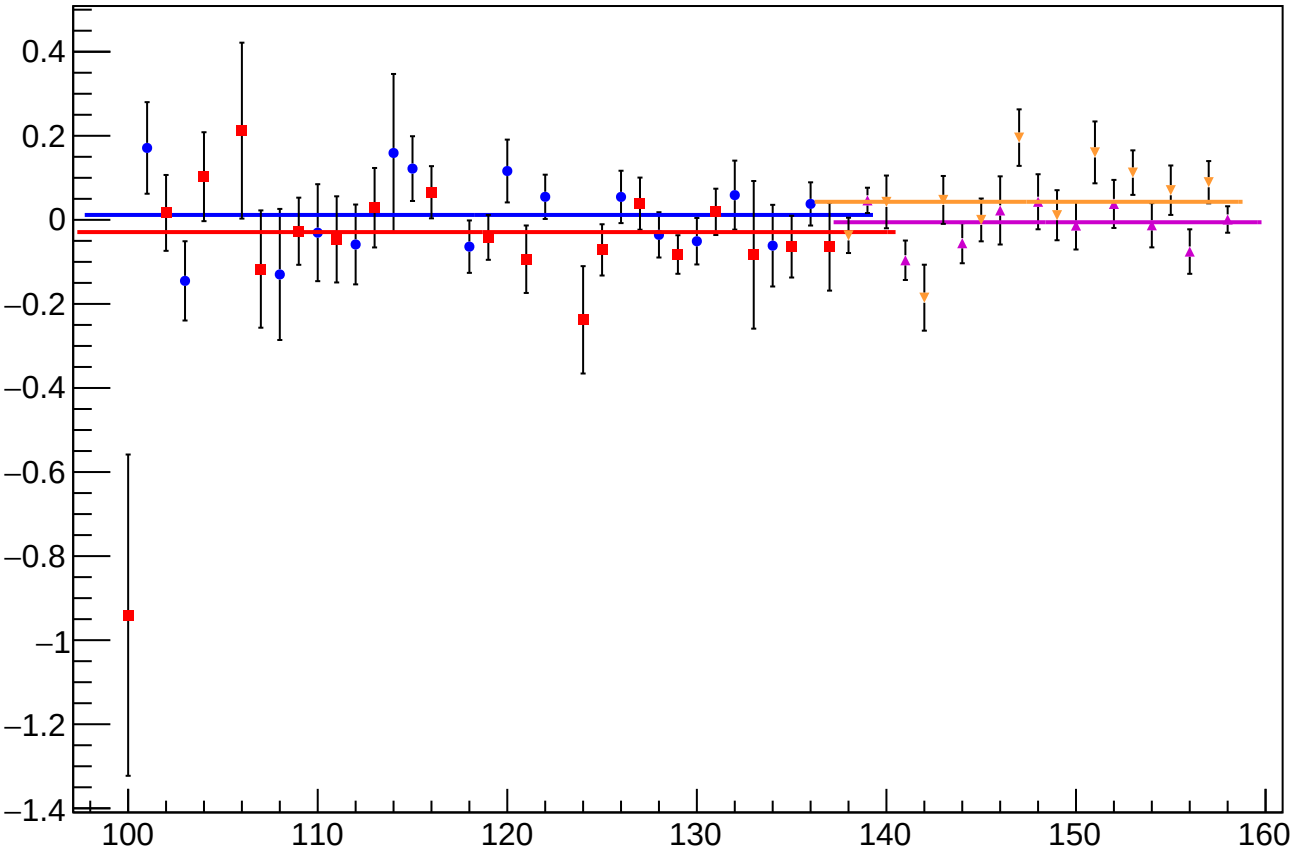
Left: 0.000+/-0.000 χ^2/NDF: 3386656.9/20

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4029944.3/25

Out: 0.000+/-0.000 χ^2/NDF:6875835.8/29

All: 0.000+/-0.000 χ^2/NDF: 11889170.2/55



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.015 χ^2/NDF:10.9/9

Left: 0.015+/-0.011 χ^2/NDF: 39.1/20

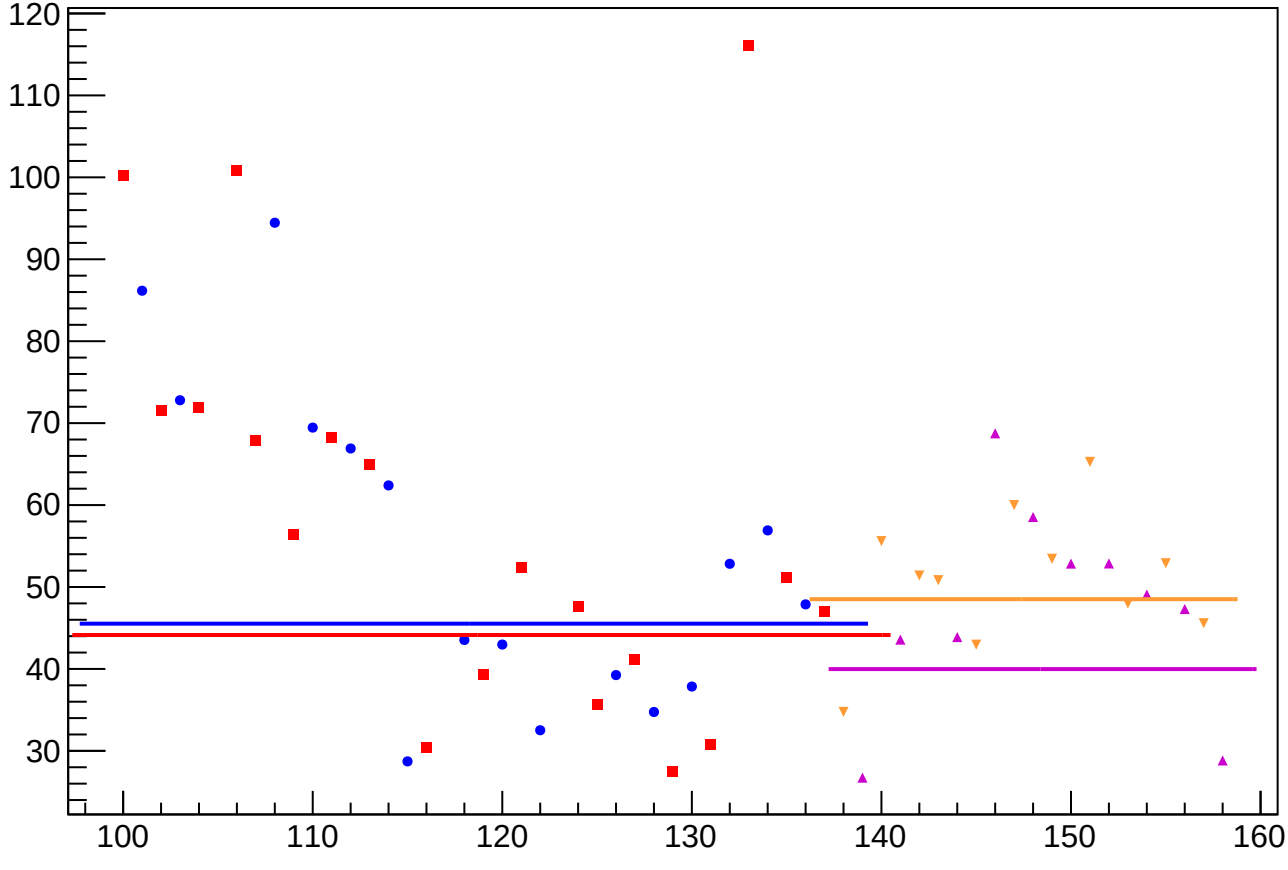
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:28.3/25

Out: 0.008+/-0.012 χ^2/NDF:51.6/29

All: 0.004+/-0.008 χ^2/NDF: 80.1/55

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.513+/-0.012 χ^2/NDF:463206.2/10

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.983+/-0.010 χ^2/NDF:1377718.5/9

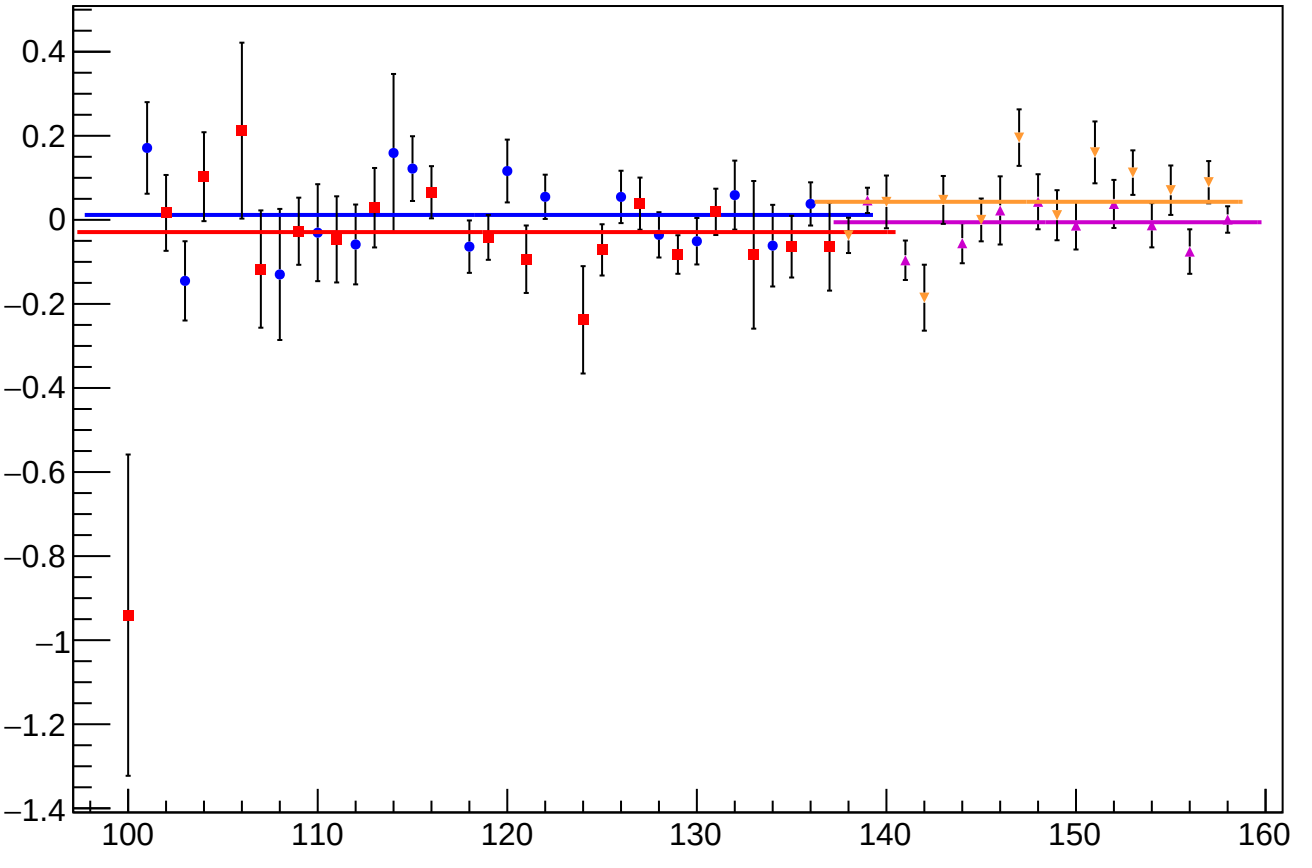
Left: 43.556+/-0.008 χ^2/NDF: 2128812.8/20

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 42.127+/-0.008 χ^2/NDF:2743925.2/25

Out: 46.420+/-0.009 χ^2/NDF:2268941.6/29

All: 44.097+/-0.006 χ^2/NDF: 5143132.6/55



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.015 χ^2/NDF:10.9/9

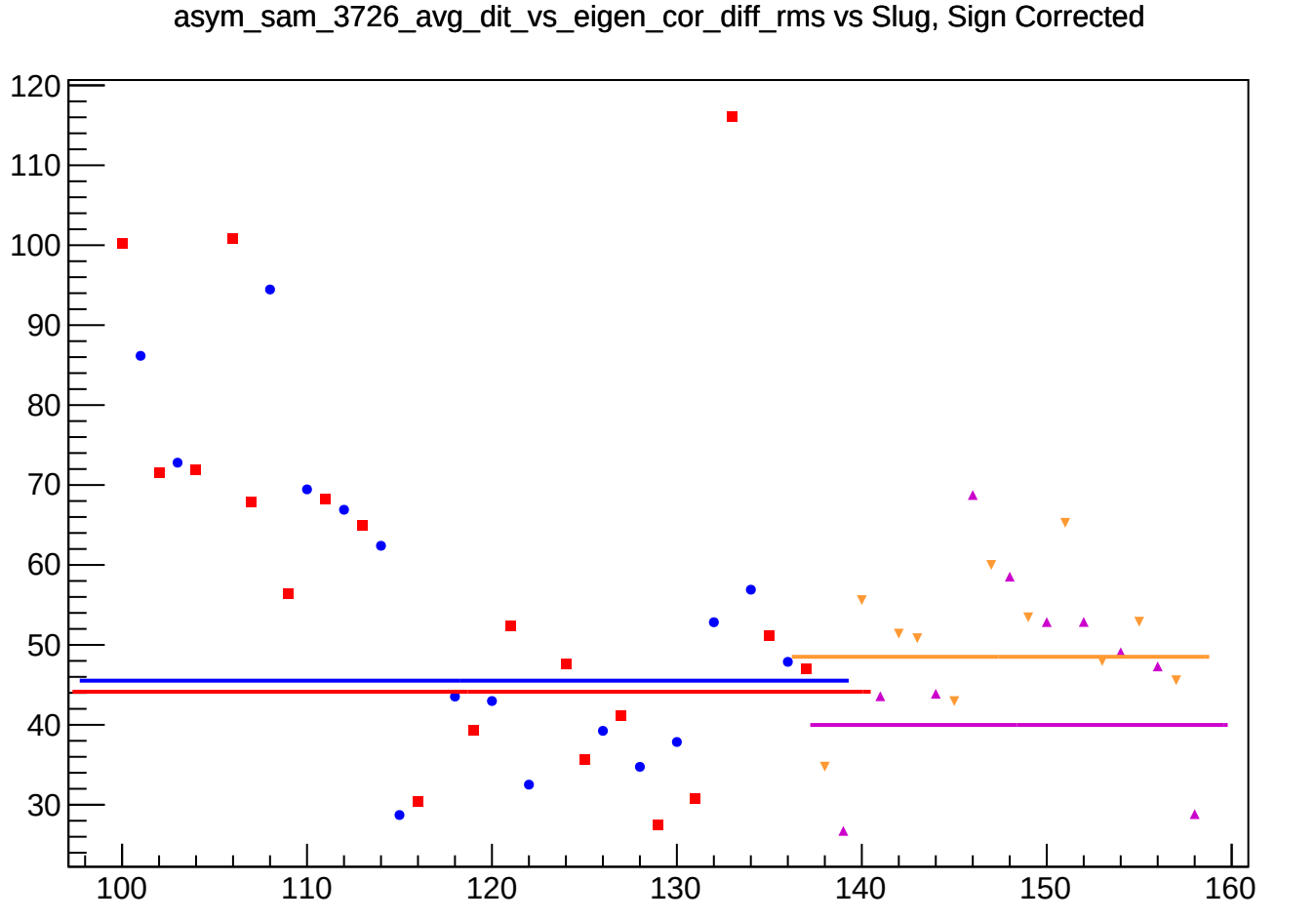
Left: 0.015+/-0.011 χ^2/NDF: 39.1/20

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:28.3/25

Out: 0.008+/-0.012 χ^2/NDF:51.6/29

All: 0.004+/-0.008 χ^2/NDF: 80.1/55



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.513+/-0.012 χ^2/NDF:463206.2/10

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.983+/-0.010 χ^2/NDF:1377718.5/9

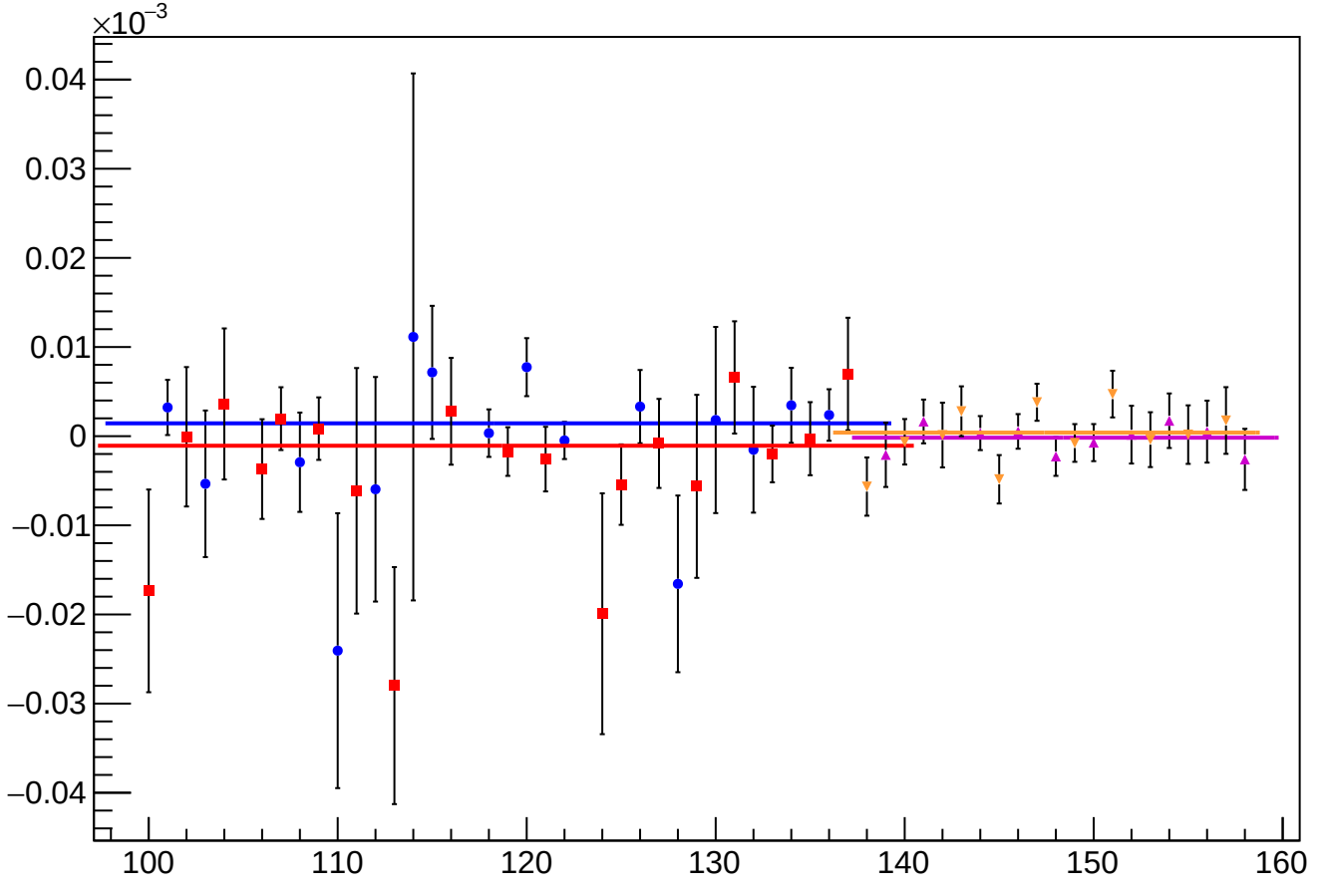
Left: 43.556+/-0.008 χ^2/NDF: 2128812.8/20

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 42.127+/-0.008 χ^2/NDF:2743925.2/25

Out: 46.420+/-0.009 χ^2/NDF:2268941.6/29

All: 44.097+/-0.006 χ^2/NDF: 5143132.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/9

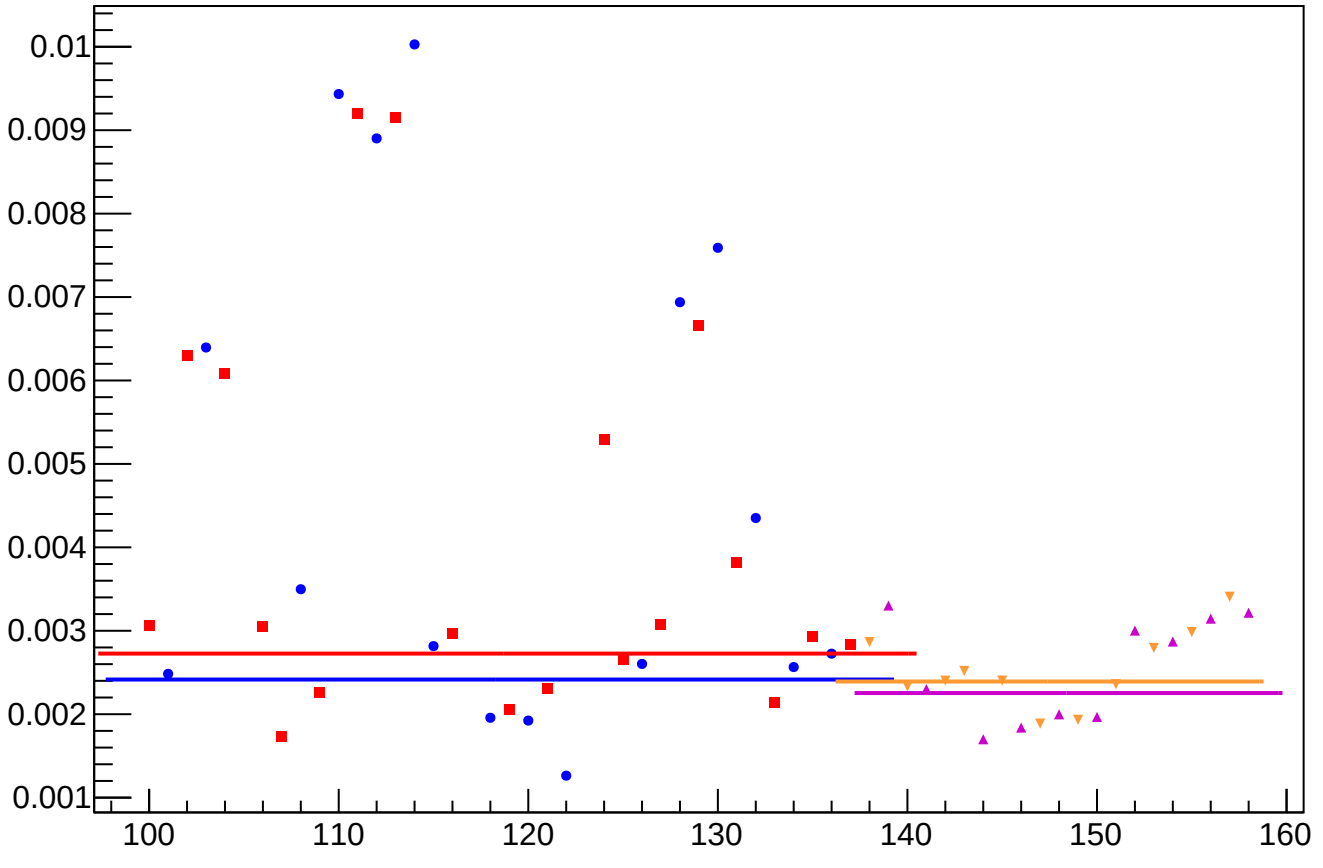
Left: 0.000+/-0.000 χ^2/NDF: 17.2/20

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:18.7/25

Out: -0.000+/-0.000 χ^2/NDF:29.9/29

All: 0.000+/-0.000 χ^2/NDF: 48.9/55



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:506453.8/10

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:971550.8/9

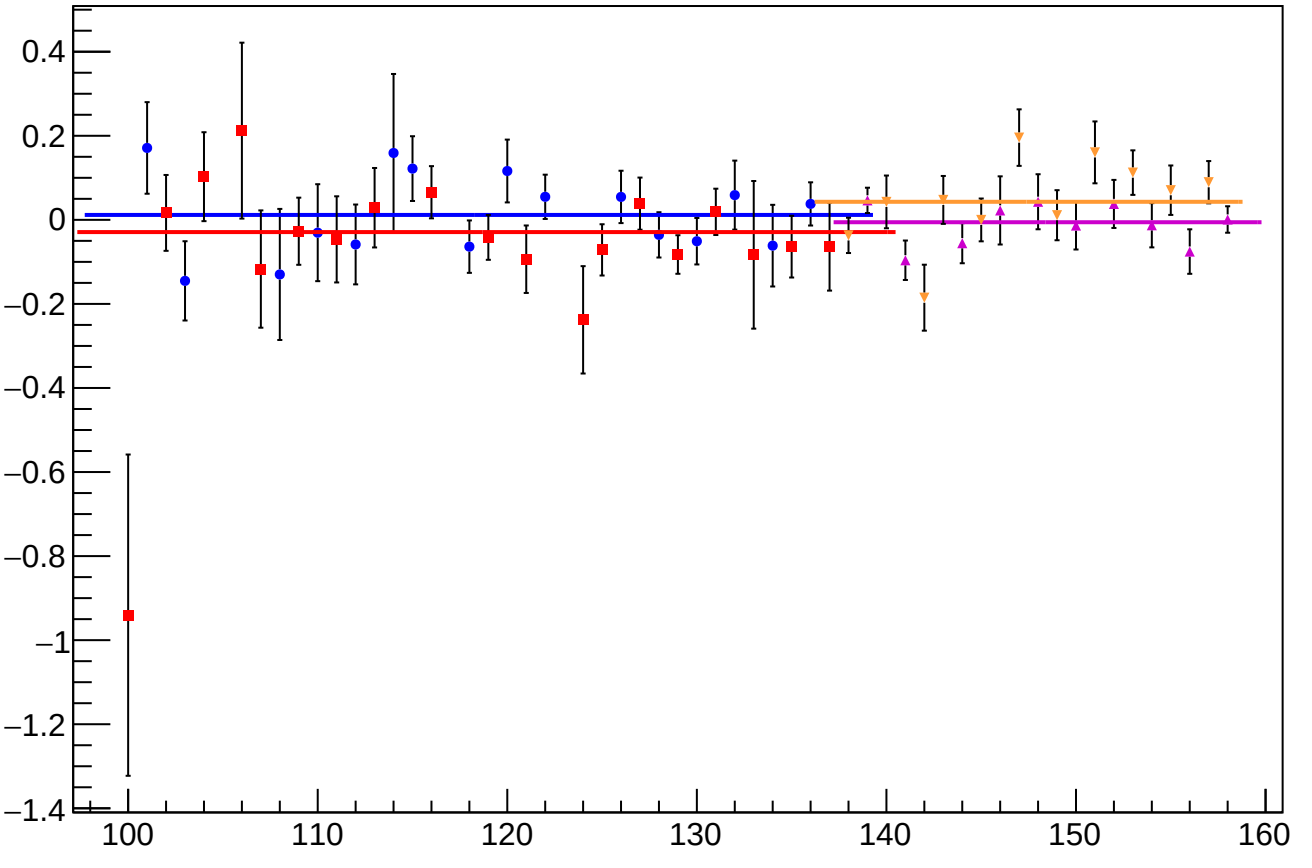
Left: 0.002+/-0.000 χ^2/NDF: 1507048.5/20

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4434241.1/25

Out: 0.003+/-0.000 χ^2/NDF:3126819.6/29

All: 0.002+/-0.000 χ^2/NDF: 7653174.9/55



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.015 χ^2/NDF:10.9/9

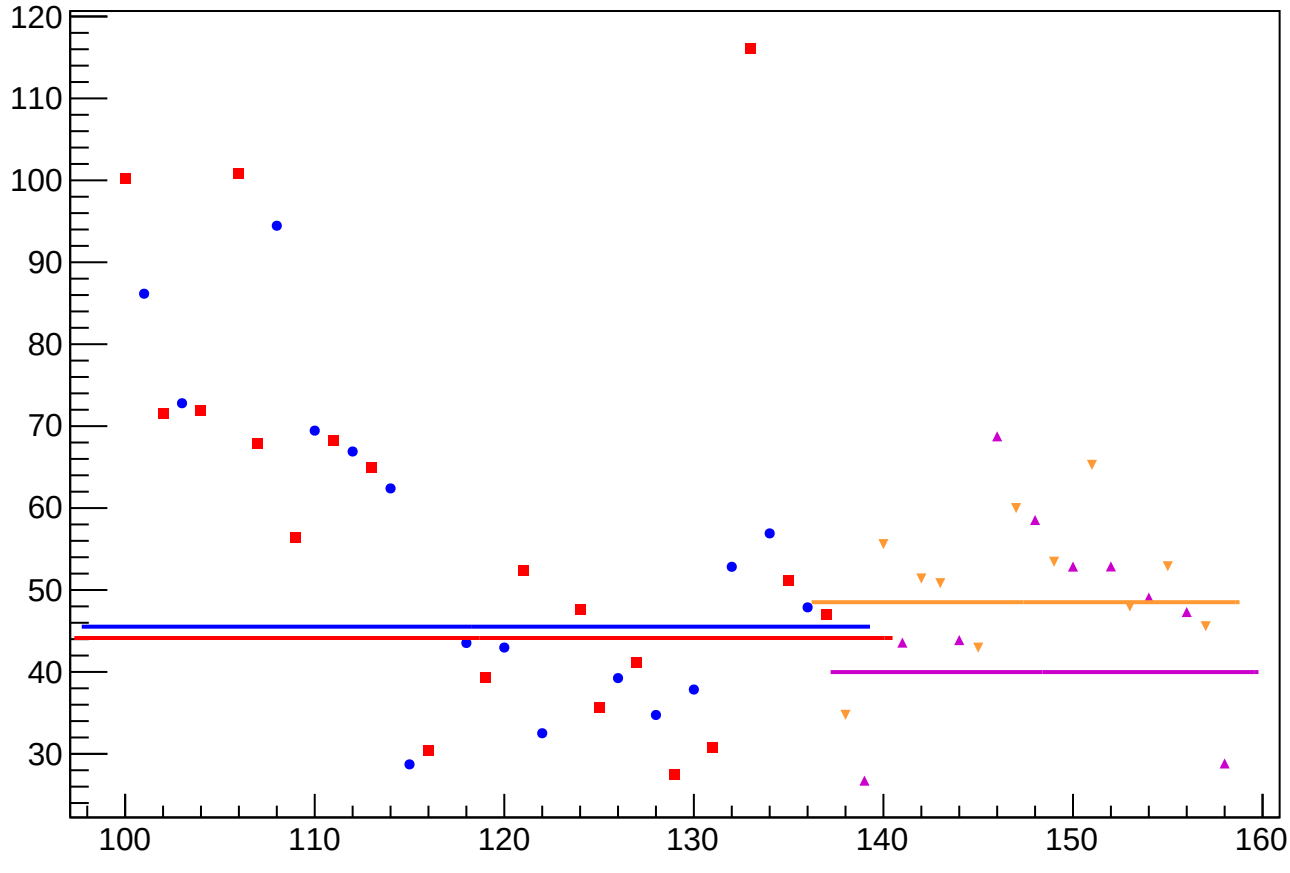
Left: 0.015+/-0.011 χ^2/NDF: 39.1/20

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:28.3/25

Out: 0.008+/-0.012 χ^2/NDF:51.6/29

All: 0.004+/-0.008 χ^2/NDF: 80.1/55



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.513+/-0.012 χ^2/NDF:463229.7/10

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.983+/-0.010 χ^2/NDF:1377774.9/9

Left: 43.556+/-0.008 χ^2/NDF: 2128910.6/20

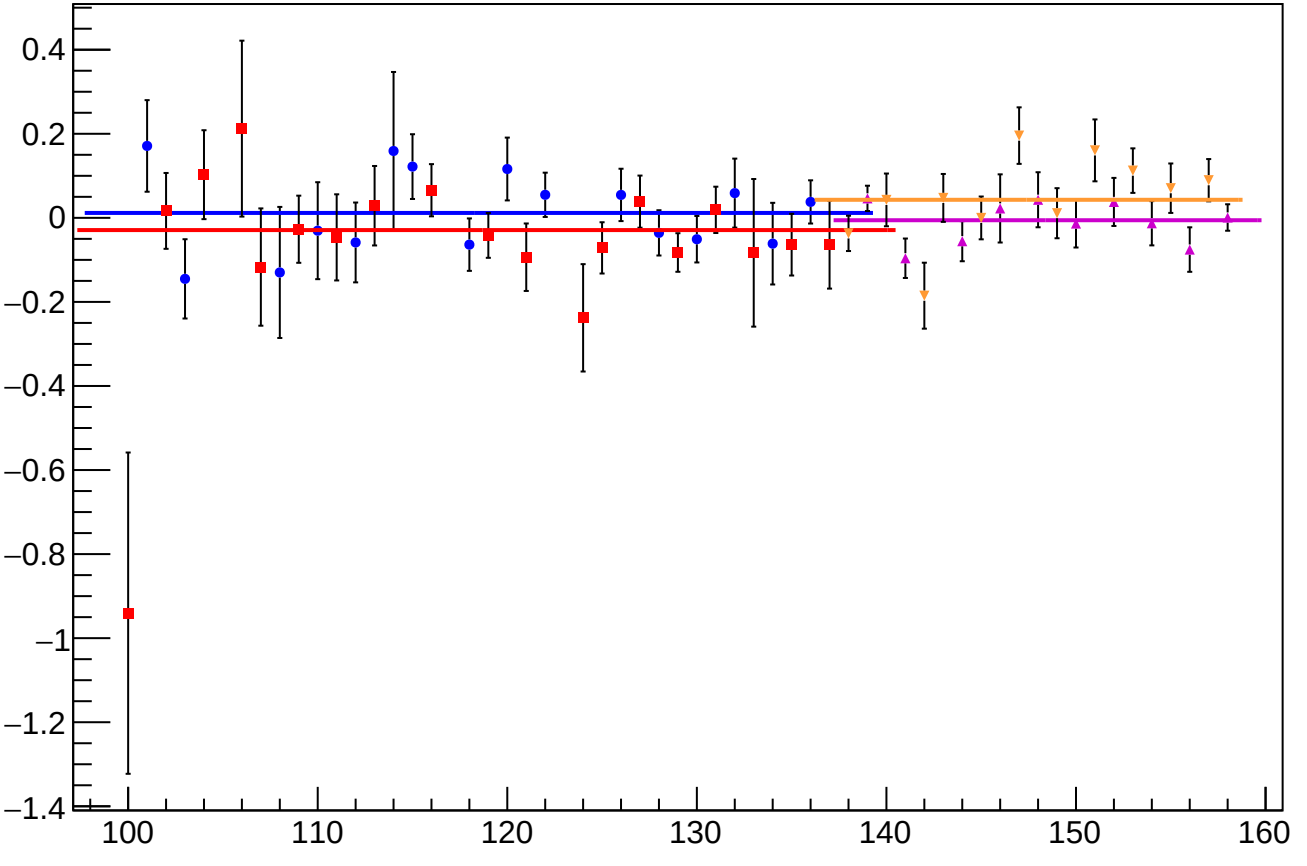
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 42.127+/-0.008 χ^2/NDF:2743932.4/25

Out: 46.420+/-0.009 χ^2/NDF:2268886.0/29

All: 44.097+/-0.006 χ^2/NDF: 5143101.6/55

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.015 χ^2/NDF:10.9/9

Left: 0.015+/-0.011 χ^2/NDF: 39.1/20

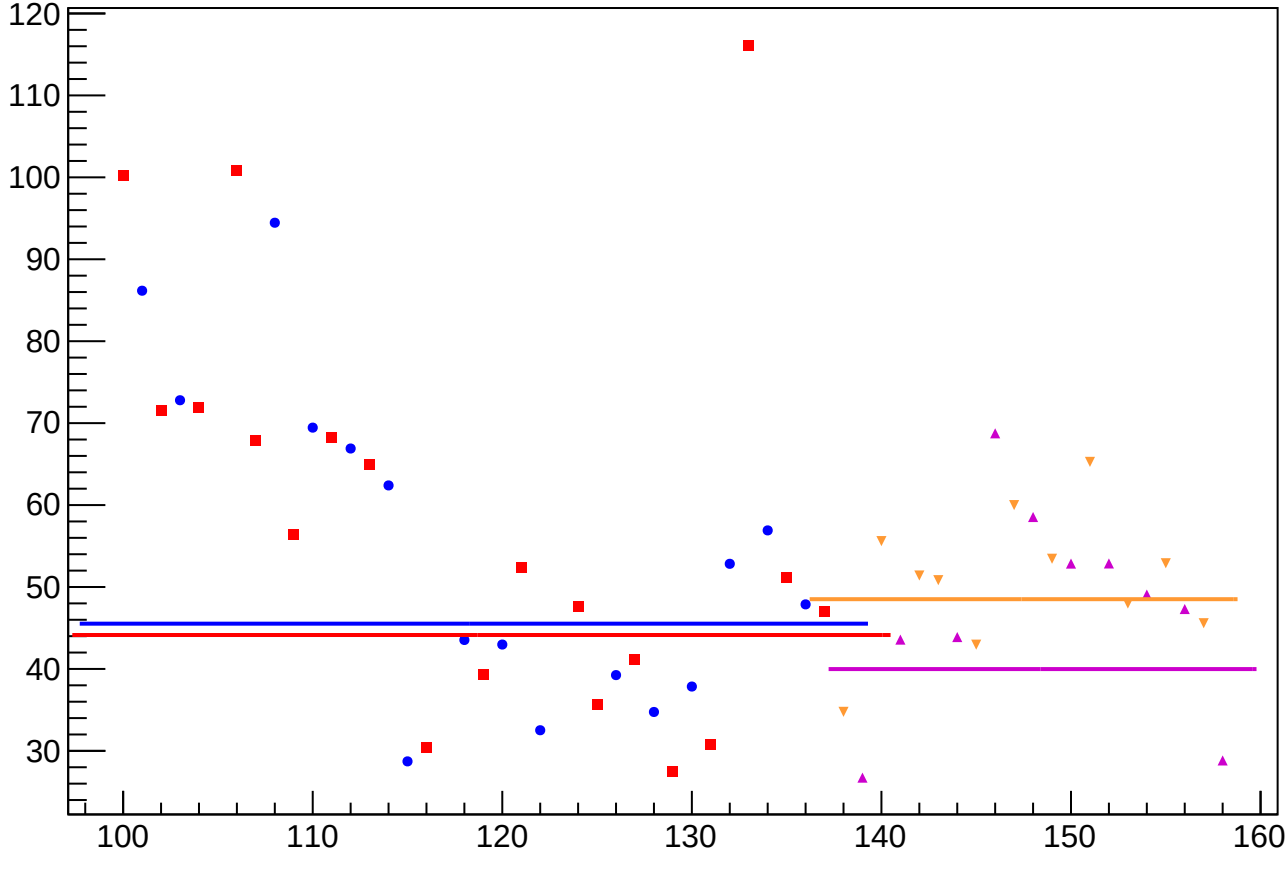
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:28.3/25

Out: 0.008+/-0.012 χ^2/NDF:51.6/29

All: 0.004+/-0.008 χ^2/NDF: 80.1/55

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.513+/-0.012 χ^2/NDF:463229.7/10

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.983+/-0.010 χ^2/NDF:1377774.9/9

Left: 43.556+/-0.008 χ^2/NDF: 2128910.6/20

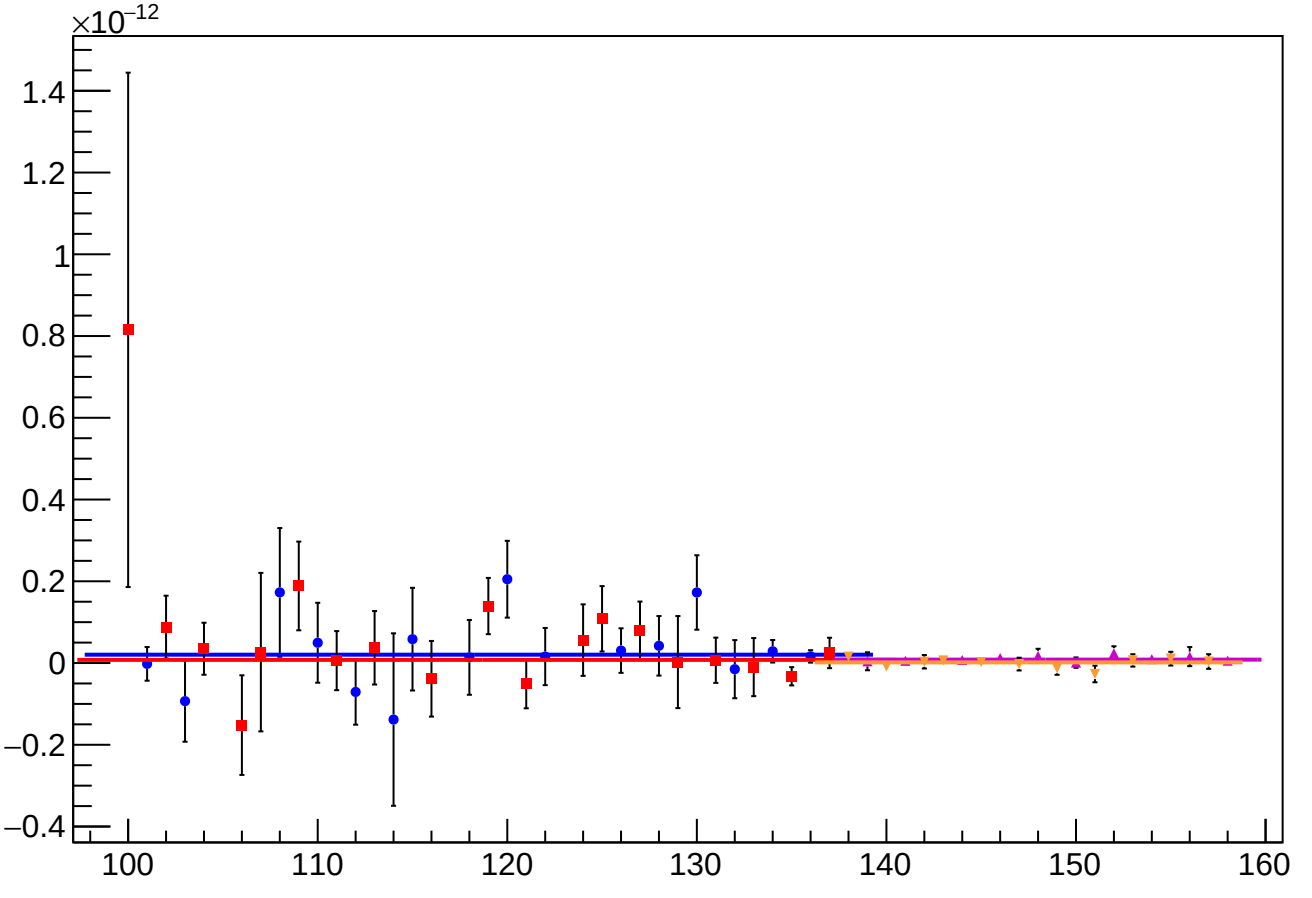
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 42.127+/-0.008 χ^2/NDF:2743932.4/25

Out: 46.420+/-0.009 χ^2/NDF:2268886.0/29

All: 44.097+/-0.006 χ^2/NDF: 5143101.6/55

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/9

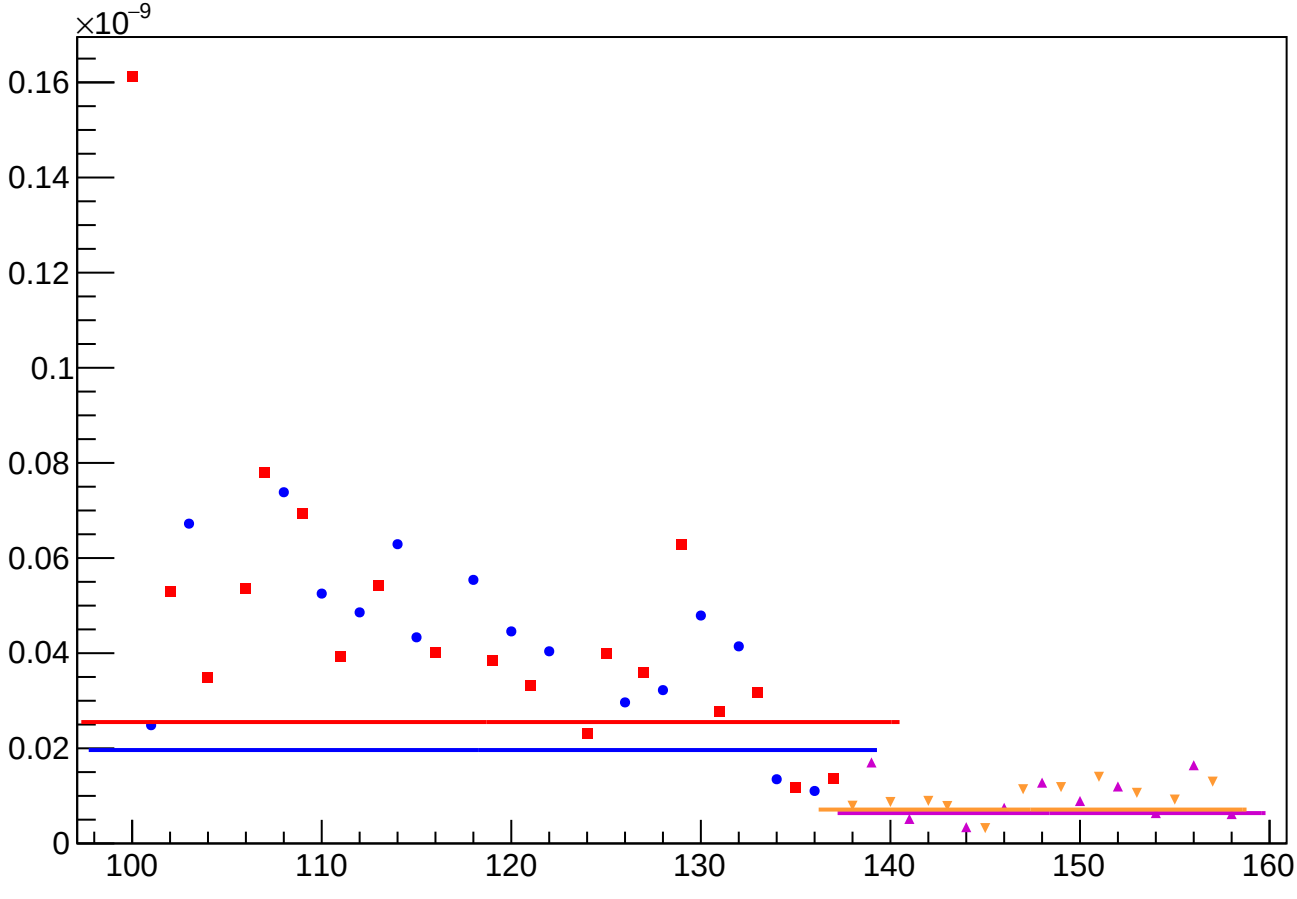
Left: 0.000+/-0.000 χ^2/NDF: 9.5/20

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:14.8/25

Out: 0.000+/-0.000 χ^2/NDF:24.5/29

All: 0.000+/-0.000 χ^2/NDF: 41.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1965663.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2003554.9/9

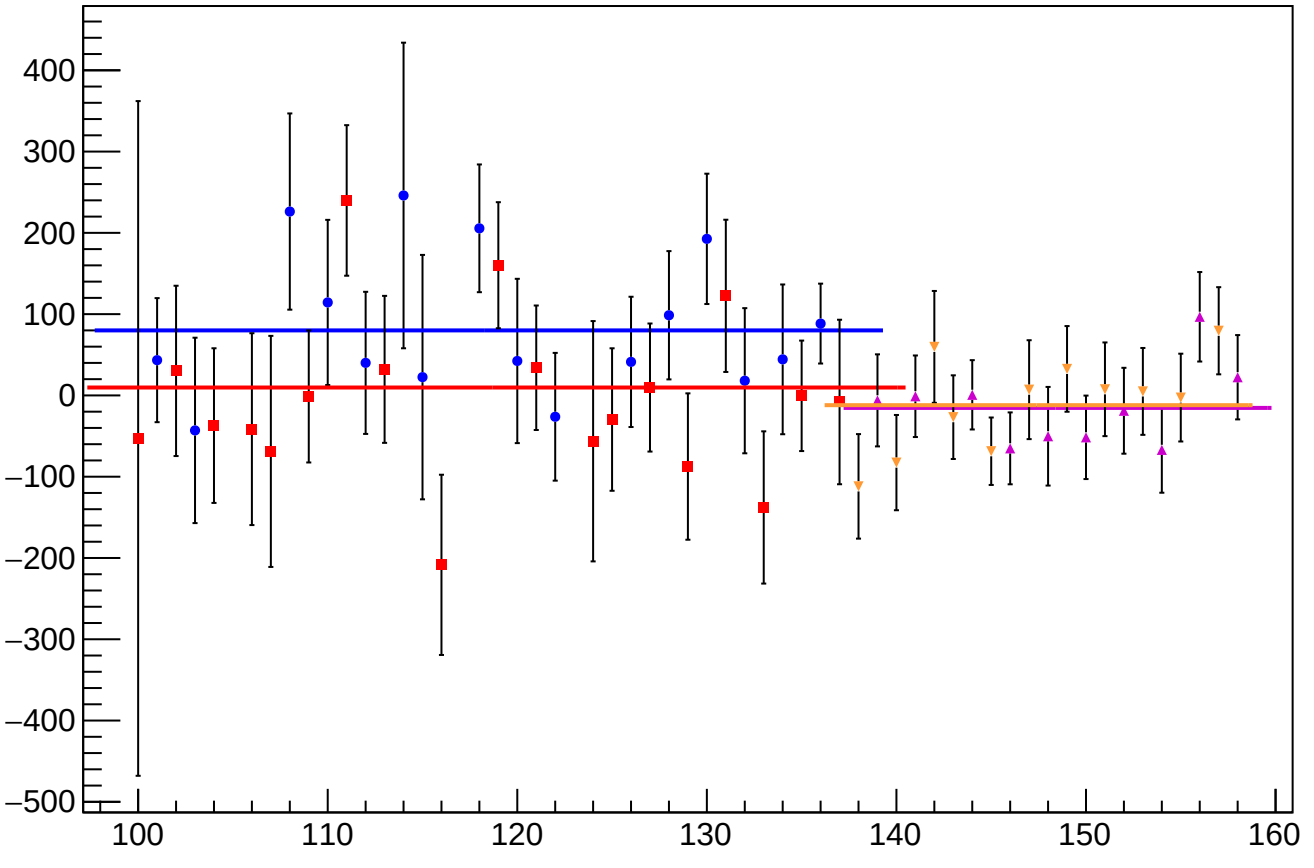
Left: 0.000+/-0.000 χ^2/NDF: 4015783.6/20

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7827380.6/25

Out: 0.000+/-0.000 χ^2/NDF:8053237.1/29

All: 0.000+/-0.000 χ^2/NDF: 15939220.0/55



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.996+/-16.496 χ^2/NDF:10.9/10

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -15.367+/-16.135 χ^2/NDF:8.0/9

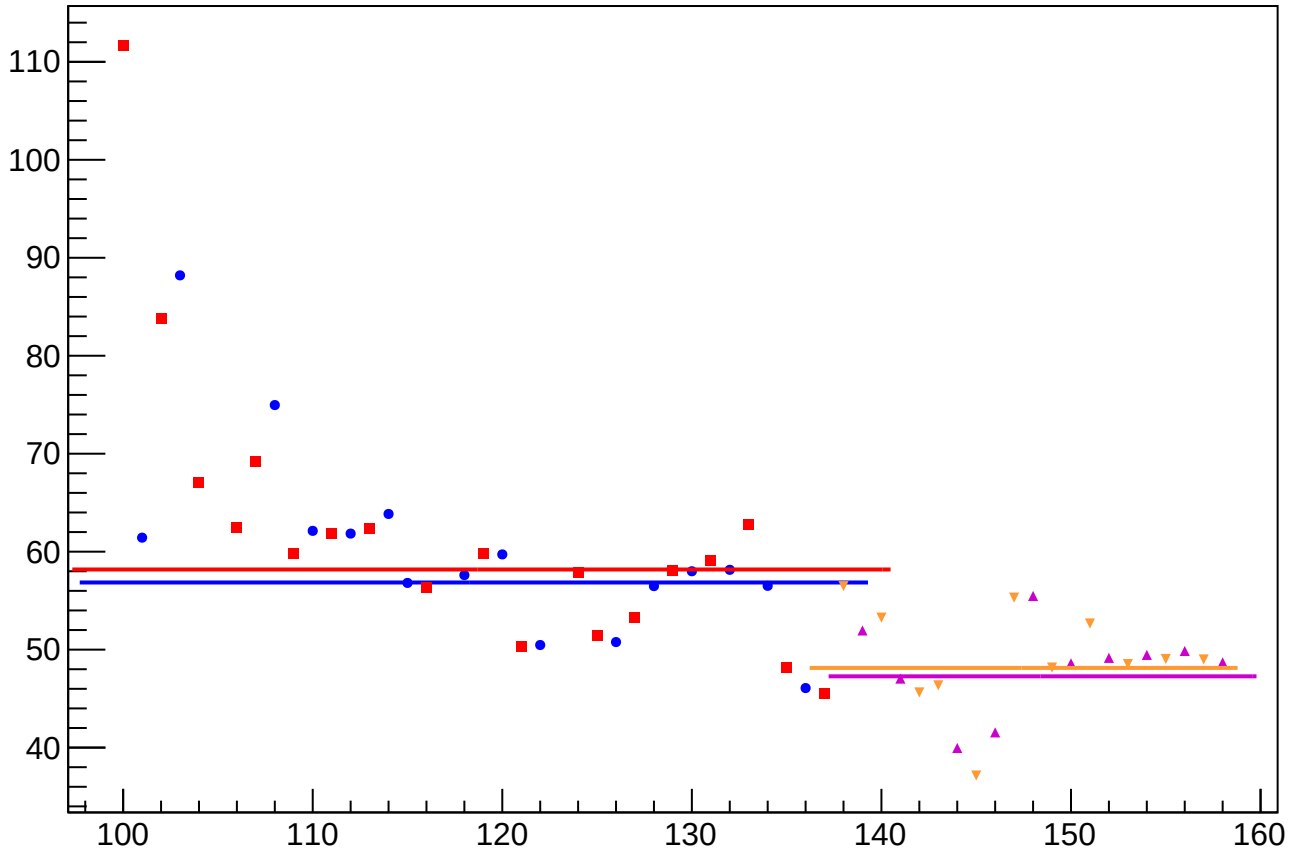
Left: -13.719+/-11.535 χ^2/NDF: 18.9/20

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 19.042+/-12.899 χ^2/NDF:32.1/25

Out: -4.001+/-13.114 χ^2/NDF:31.9/29

All: 7.711+/-9.196 χ^2/NDF: 65.6/55



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.135+/-0.012 χ^2/NDF:235639.0/10

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

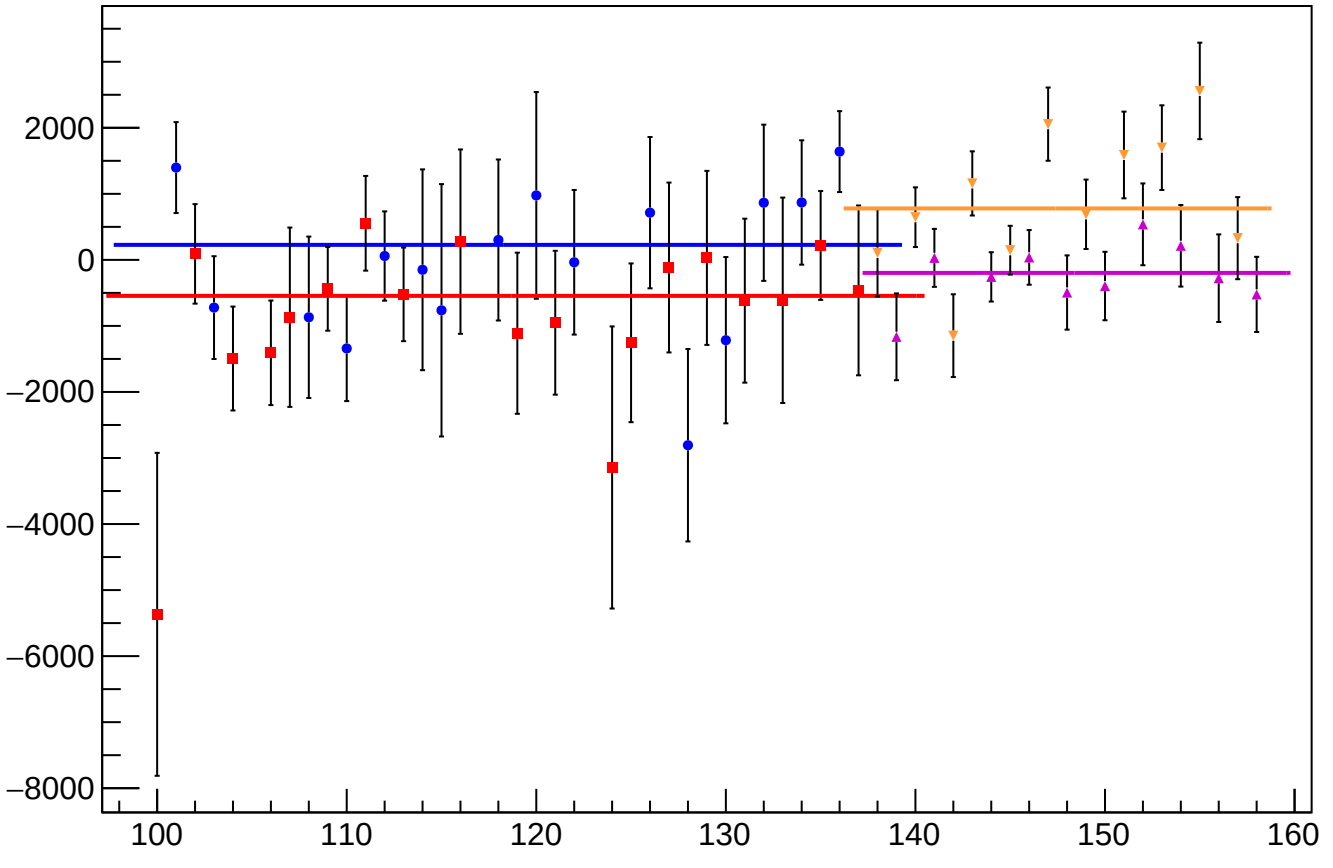
Left: 47.695+/-0.008 χ^2/NDF: 394265.7/20

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.732+/-0.009 χ^2/NDF:751816.9/25

Out: 51.832+/-0.009 χ^2/NDF:823320.1/29

All: 51.273+/-0.007 χ^2/NDF: 1582294.0/55



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 779.172+/-163.589 χ^2/NDF:29.5/10

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -197.048+/-162.244 χ^2/NDF:5.4/9

Left: 287.032+/-115.196 χ^2/NDF: 52.8/20

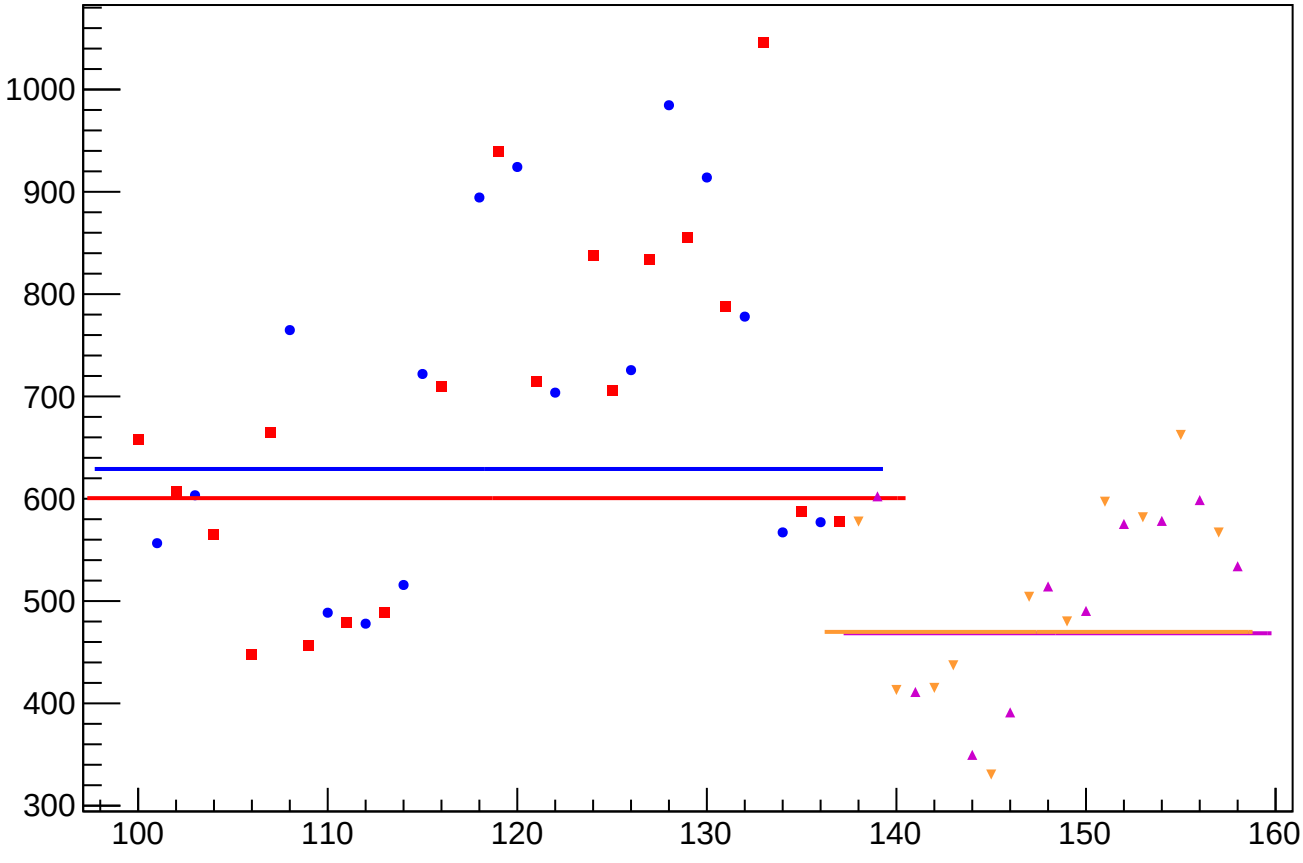
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -64.812+/-134.626 χ^2/NDF:29.2/25

Out: 327.255+/-132.765 χ^2/NDF:65.2/29

All: 133.950+/-94.530 χ^2/NDF: 98.7/55

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 469.867+/-0.116 χ^2/NDF:725705.8/10

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 468.526+/-0.115 χ^2/NDF:632589.7/9

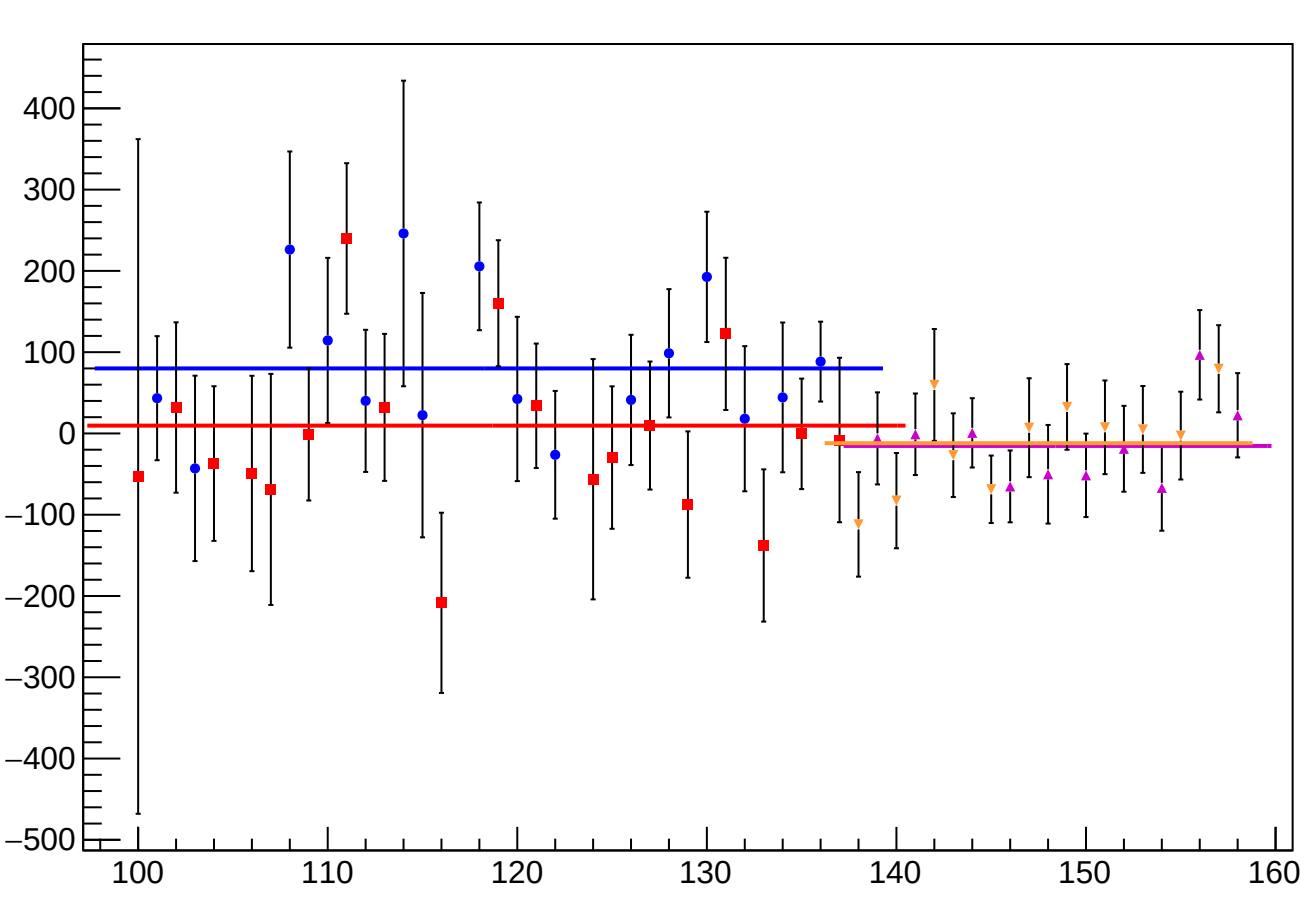
Left: 469.191+/-0.081 χ^2/NDF: 1358363.2/20

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 518.538+/-0.095 χ^2/NDF:1935464.4/25

Out: 514.489+/-0.094 χ^2/NDF:2036269.9/29

All: 516.486+/-0.067 χ^2/NDF: 3972651.6/55



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.999+/-16.496 χ^2/NDF:10.9/10

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -15.368+/-16.135 χ^2/NDF:8.0/9

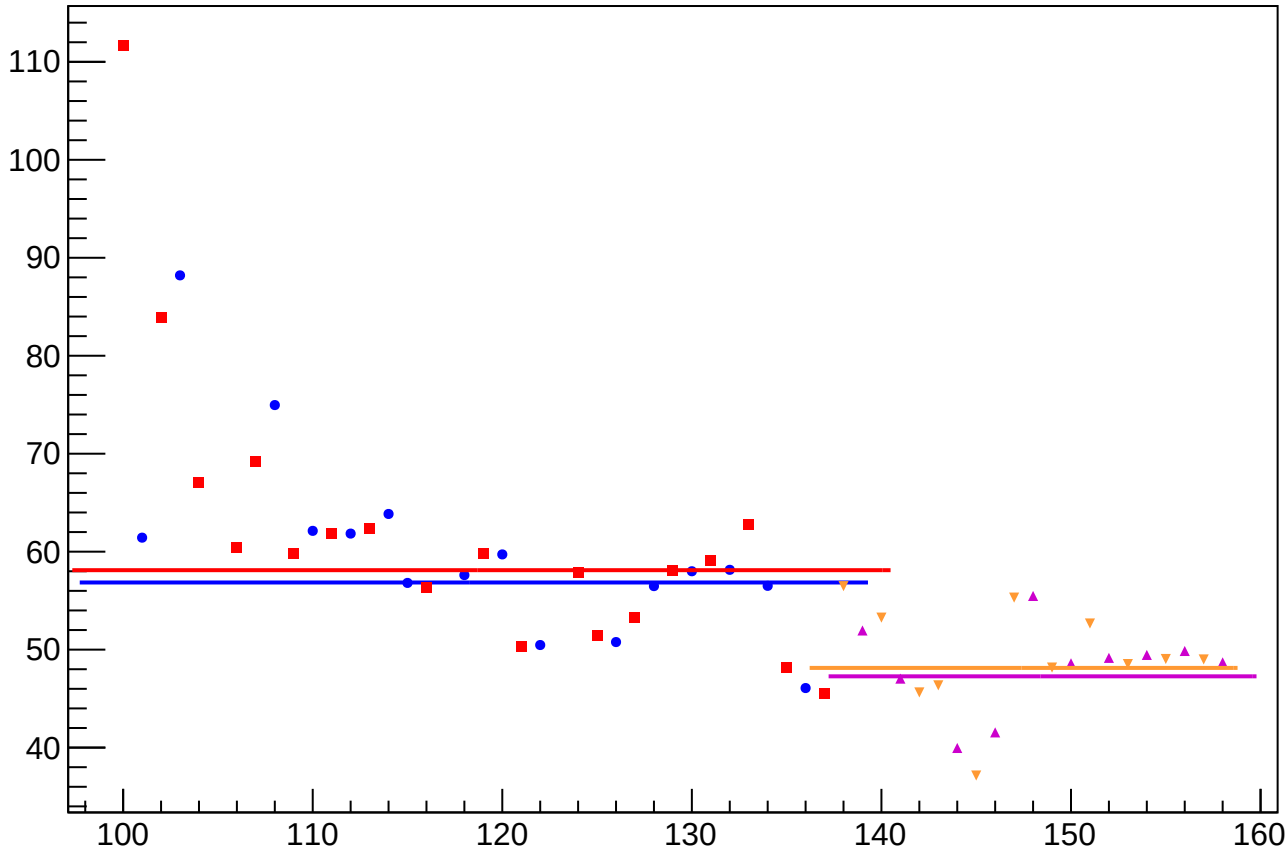
Left: -13.721+/-11.535 χ^2/NDF: 18.9/20

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.042+/-12.899 χ^2/NDF:32.1/25

Out: -4.050+/-13.117 χ^2/NDF:31.9/29

All: 7.690+/-9.197 χ^2/NDF: 65.6/55



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.135+/-0.012 χ^2/NDF:235639.0/10

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

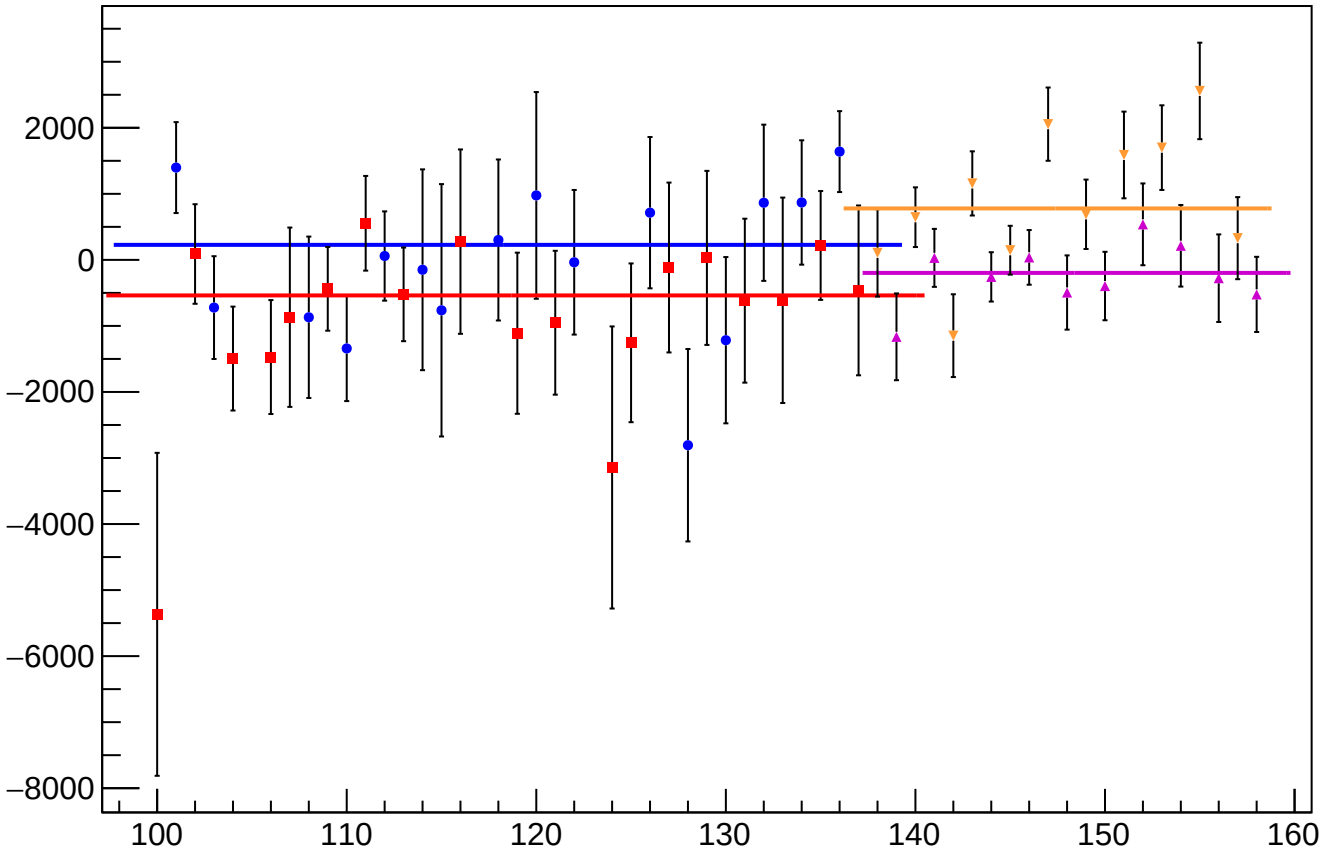
Left: 47.695+/-0.008 χ^2/NDF: 394265.7/20

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.732+/-0.009 χ^2/NDF:751820.9/25

Out: 51.803+/-0.009 χ^2/NDF:817554.1/29

All: 51.258+/-0.007 χ^2/NDF: 1576158.8/55



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 779.169+/-163.589 χ^2/NDF:29.5/10

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -197.052+/-162.244 χ^2/NDF:5.4/9

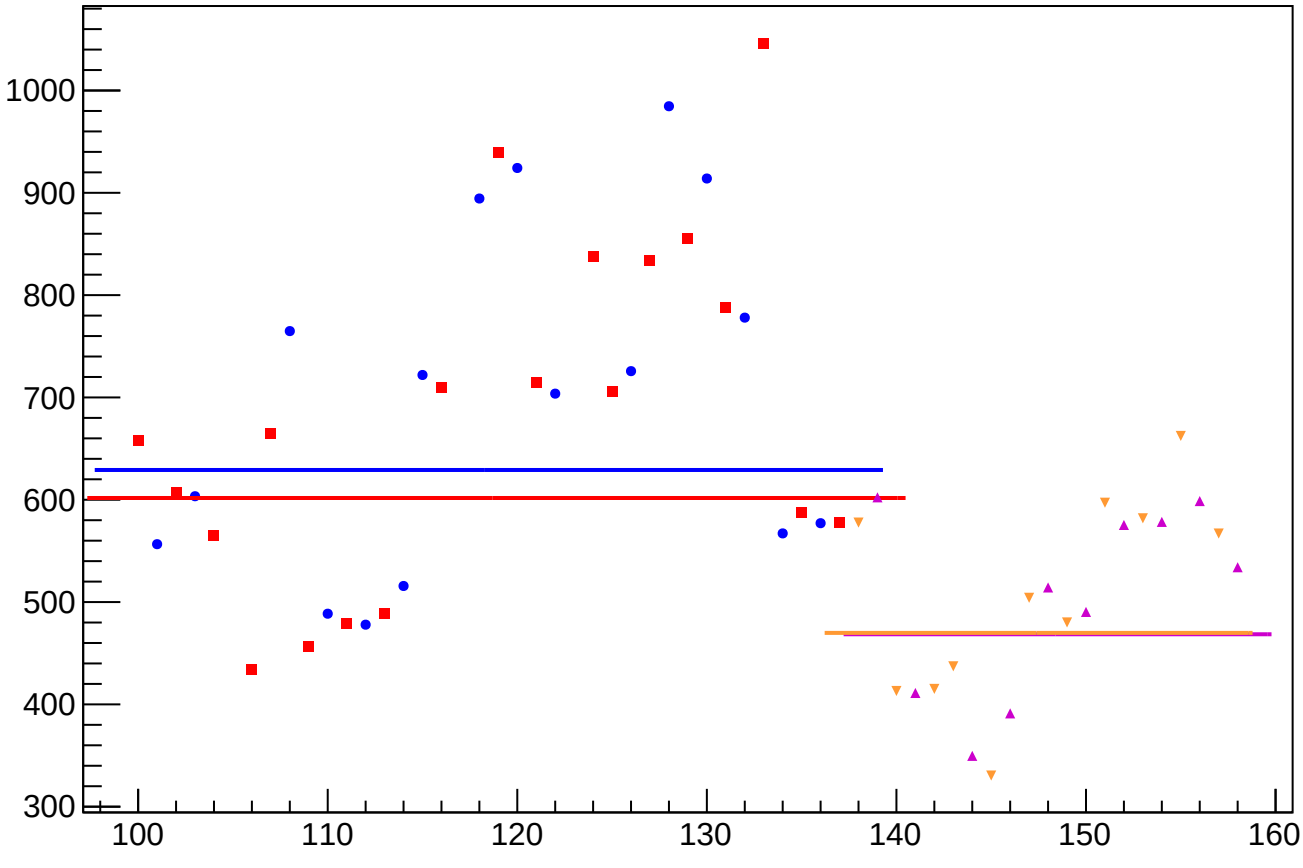
Left: 287.029+/-115.196 χ^2/NDF: 52.8/20

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -64.804+/-134.627 χ^2/NDF:29.2/25

Out: 333.443+/-133.065 χ^2/NDF:64.7/29

All: 136.643+/-94.638 χ^2/NDF: 98.4/55



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 469.867+/-0.116 χ^2/NDF:725707.8/10

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 468.526+/-0.115 χ^2/NDF:632588.4/9

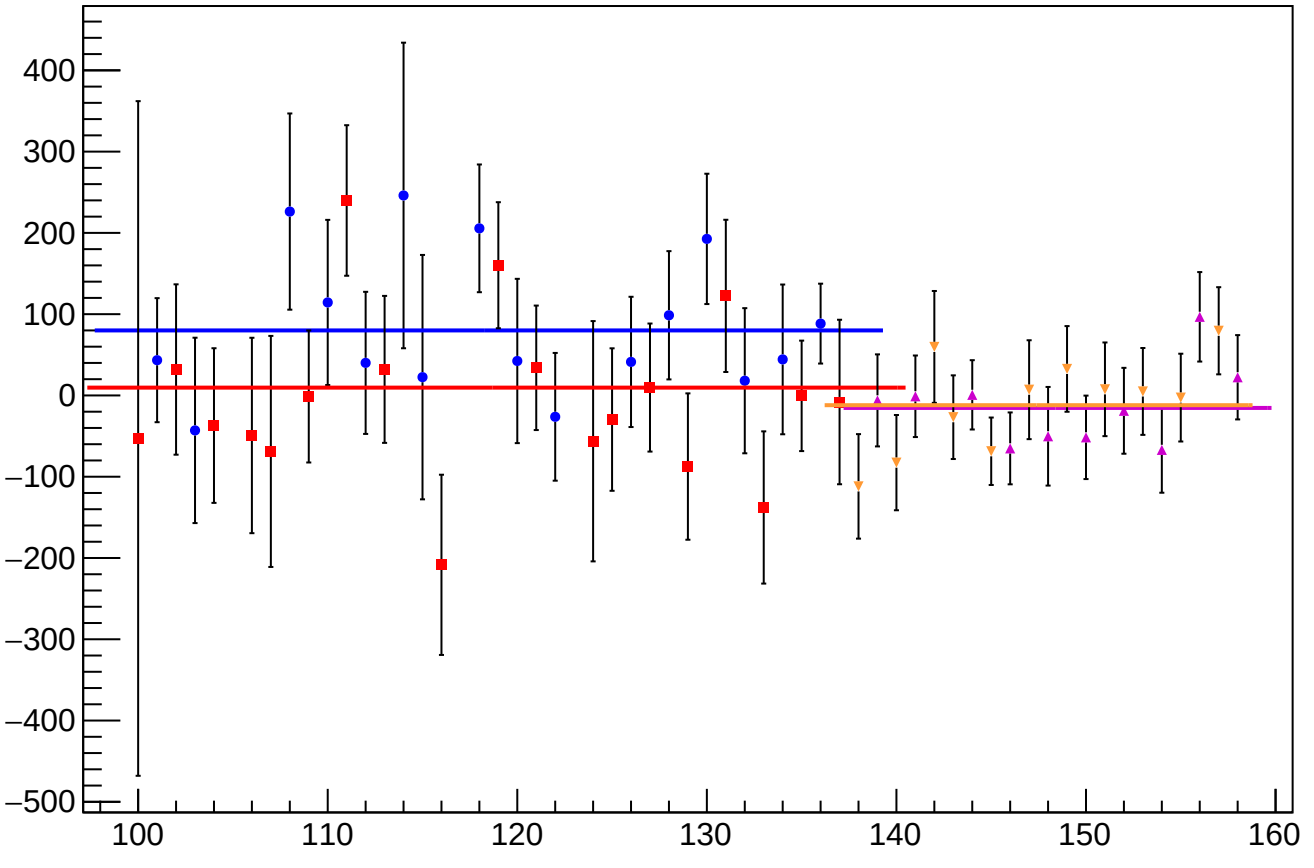
Left: 469.191+/-0.081 χ^2/NDF: 1358363.9/20

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 518.540+/-0.095 χ^2/NDF:1935483.0/25

Out: 514.482+/-0.094 χ^2/NDF:2039387.8/29

All: 516.487+/-0.067 χ^2/NDF: 3975789.9/55



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.999+/-16.496 χ^2/NDF:10.9/10

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -15.368+/-16.135 χ^2/NDF:8.0/9

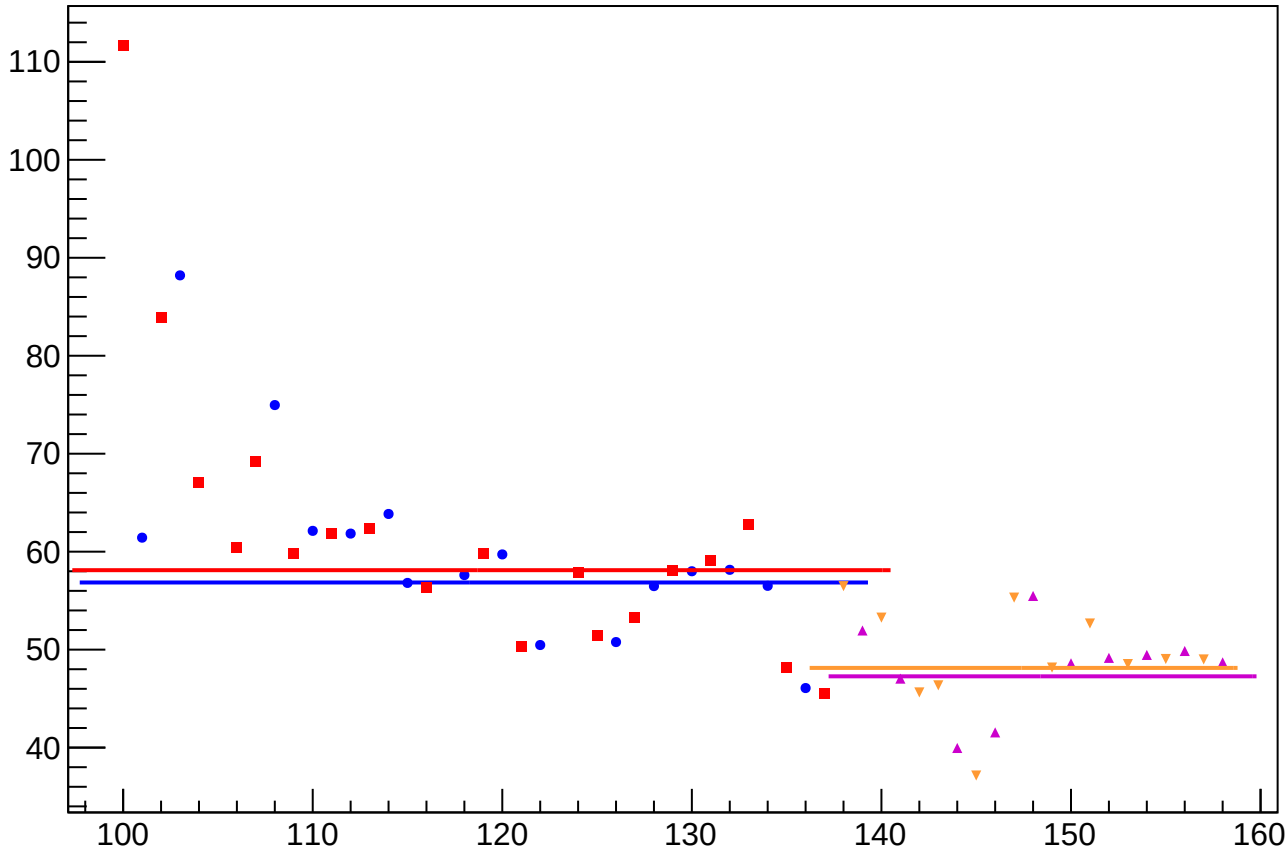
Left: -13.721+/-11.535 χ^2/NDF: 18.9/20

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.042+/-12.899 χ^2/NDF:32.1/25

Out: -4.050+/-13.117 χ^2/NDF:31.9/29

All: 7.690+/-9.197 χ^2/NDF: 65.6/55



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.135+/-0.012 χ^2/NDF:235639.0/10

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

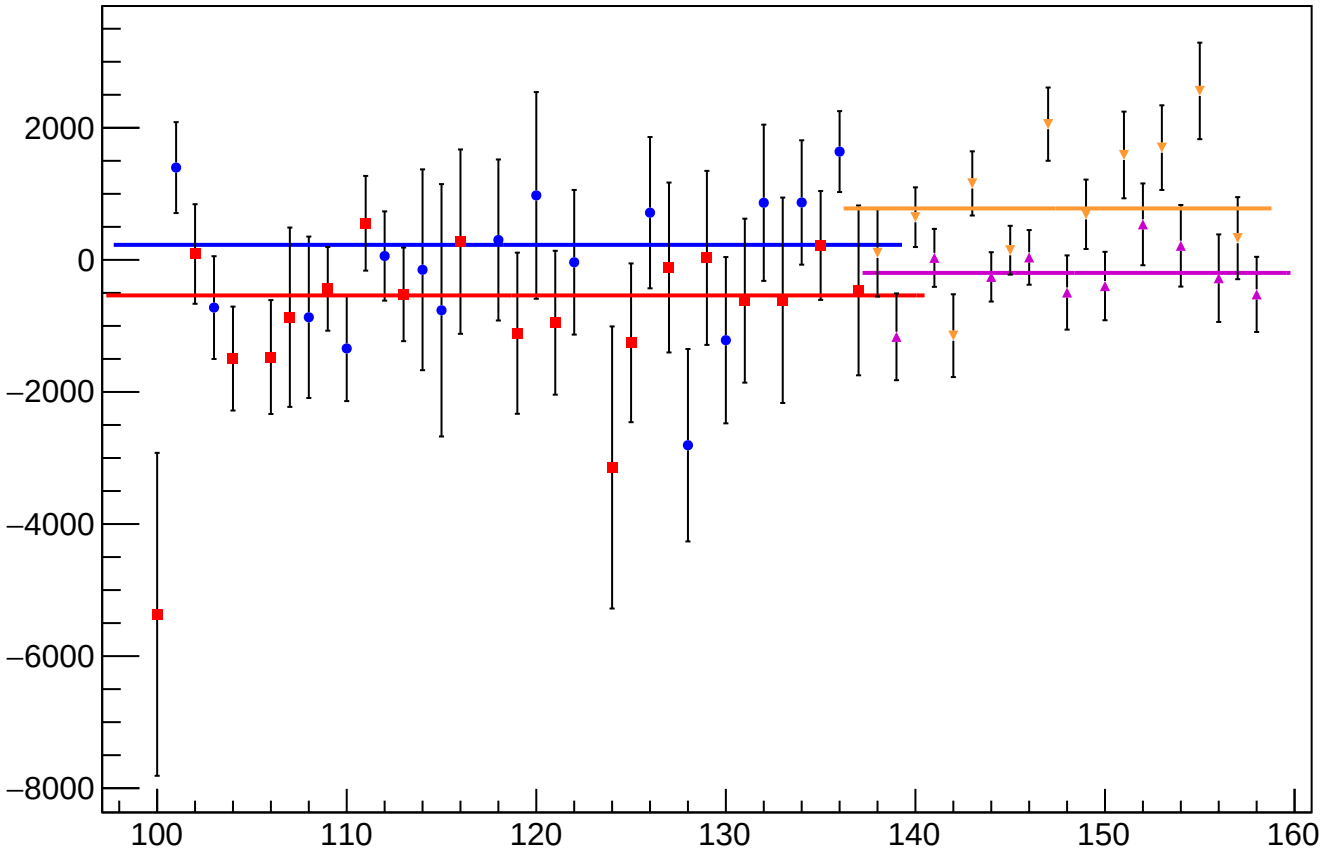
Left: 47.695+/-0.008 χ^2/NDF: 394265.7/20

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.732+/-0.009 χ^2/NDF:751820.9/25

Out: 51.803+/-0.009 χ^2/NDF:817554.1/29

All: 51.258+/-0.007 χ^2/NDF: 1576158.8/55



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 779.169+/-163.589 χ^2/NDF:29.5/10

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -197.052+/-162.244 χ^2/NDF:5.4/9

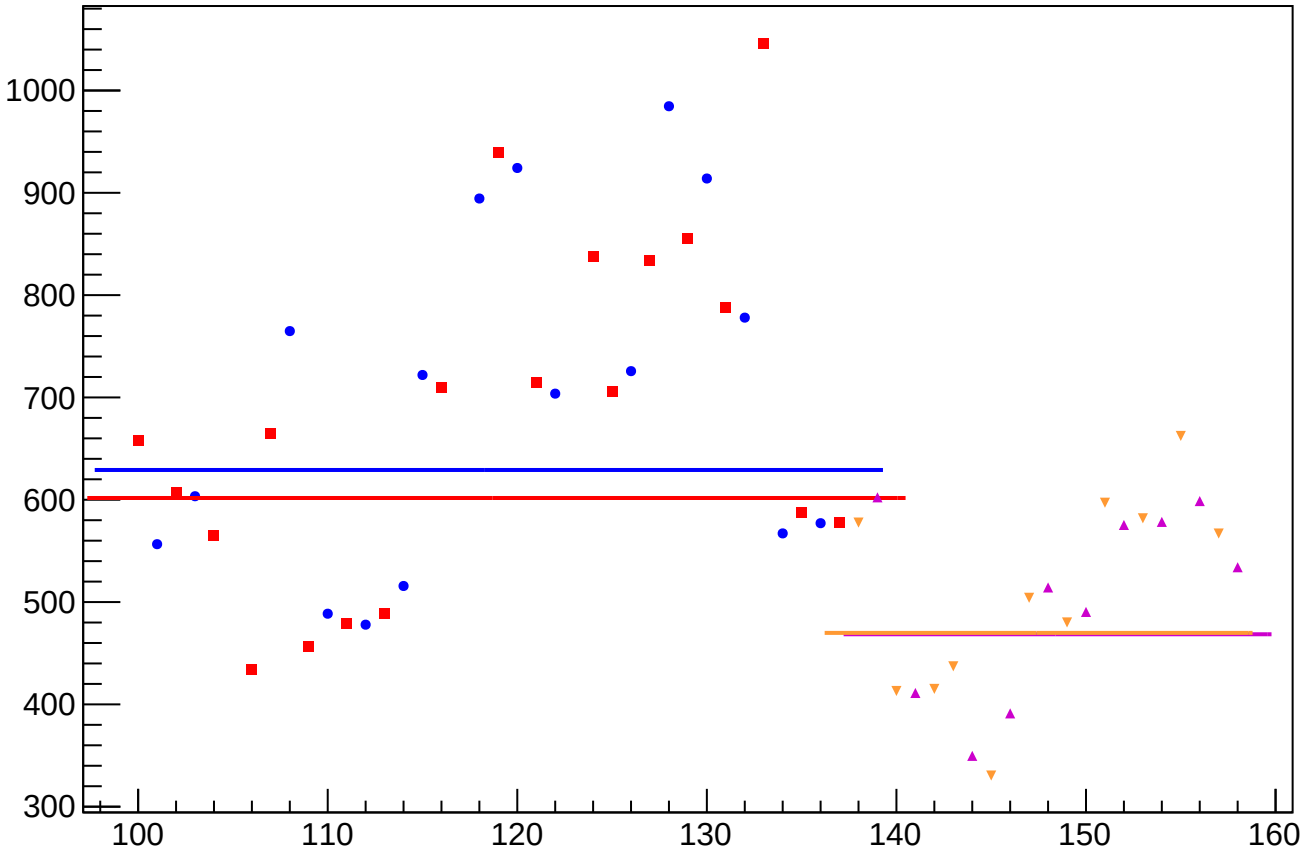
Left: 287.029+/-115.196 χ^2/NDF: 52.8/20

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -64.804+/-134.627 χ^2/NDF:29.2/25

Out: 333.443+/-133.065 χ^2/NDF:64.7/29

All: 136.643+/-94.638 χ^2/NDF: 98.4/55



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 469.867+/-0.116 χ^2/NDF:725707.8/10

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 468.526+/-0.115 χ^2/NDF:632588.4/9

Left: 469.191+/-0.081 χ^2/NDF: 1358363.9/20

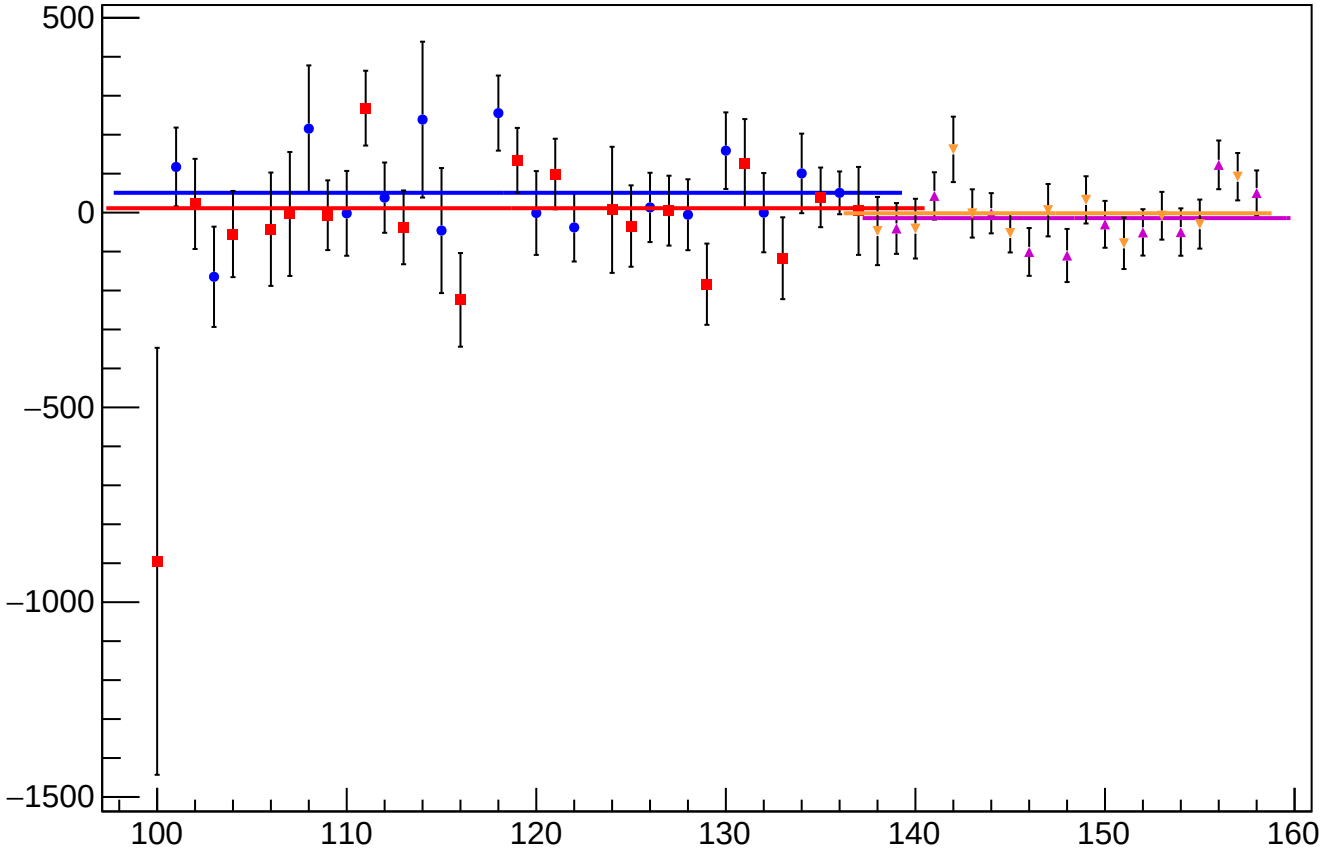
Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 518.540+/-0.095 χ^2/NDF:1935483.0/25

Out: 514.482+/-0.094 χ^2/NDF:2039387.8/29

All: 516.487+/-0.067 χ^2/NDF: 3975789.9/55

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -1.677+/-19.543 χ^2/NDF:9.7/10

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.160+/-19.084 χ^2/NDF:11.9/9

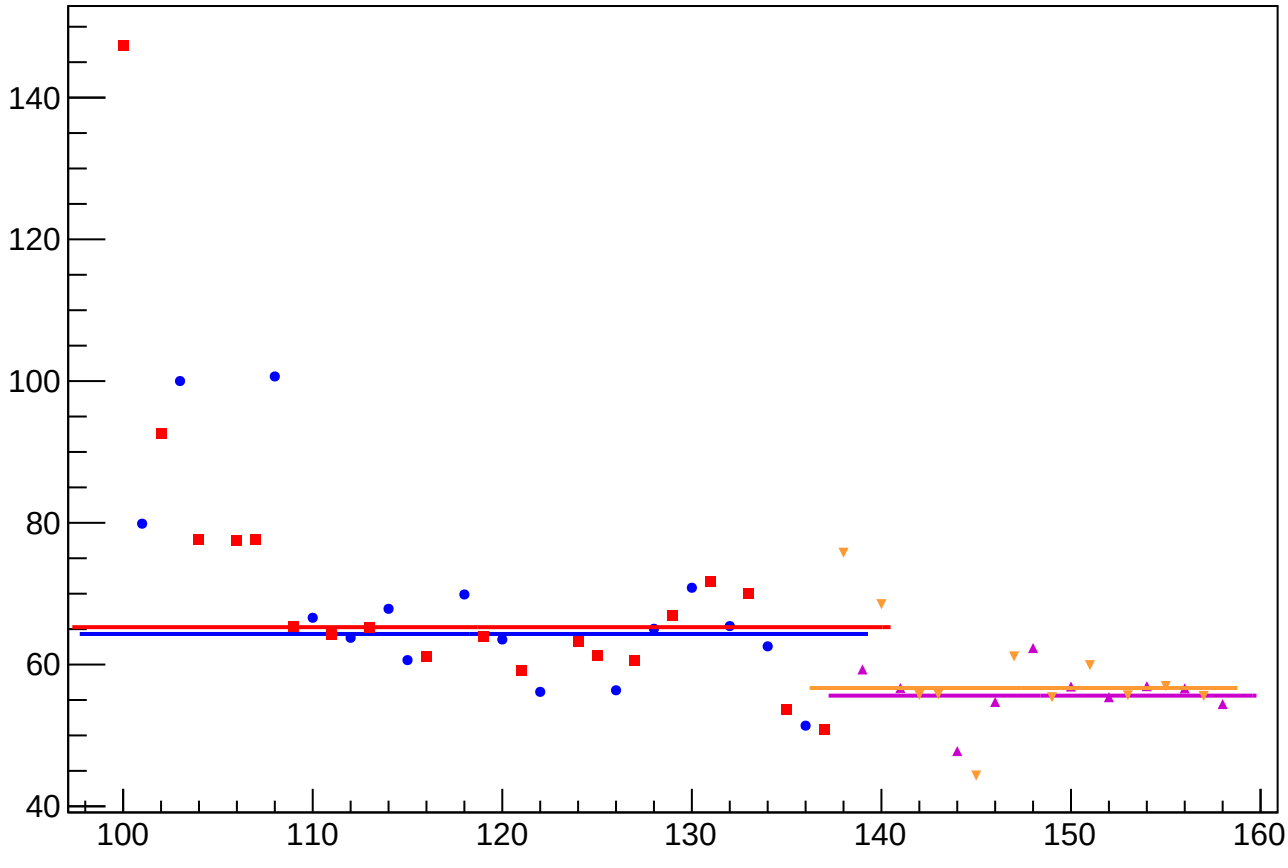
Left: -8.067+/-13.654 χ^2/NDF: 21.8/20

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 10.403+/-15.054 χ^2/NDF:30.1/25

Out: 3.398+/-15.235 χ^2/NDF:33.9/29

All: 6.943+/-10.708 χ^2/NDF: 64.1/55



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.694+/-0.014 χ^2/NDF:282074.2/10

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.615+/-0.013 χ^2/NDF:76154.8/9

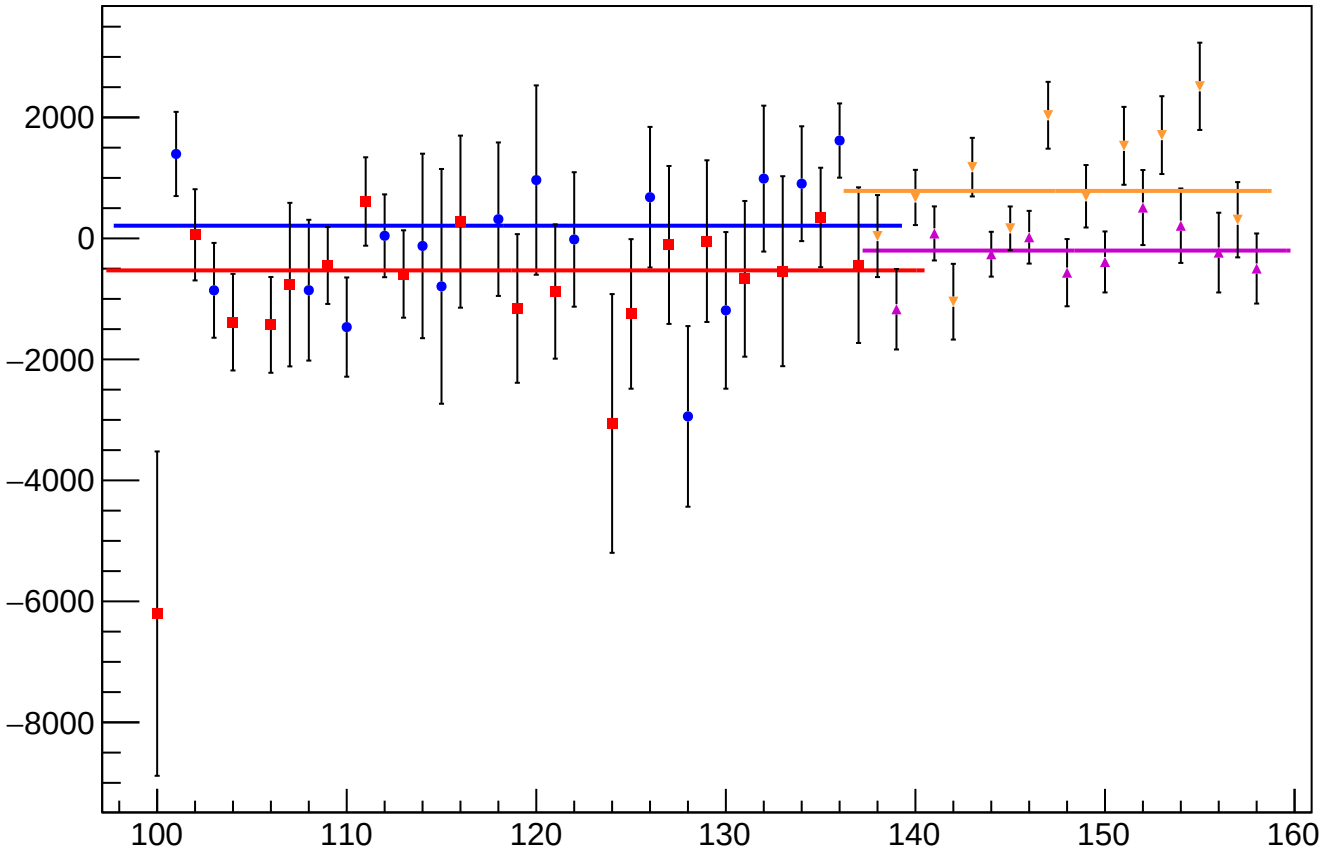
Left: 56.142+/-0.010 χ^2/NDF: 361345.2/20

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 58.903+/-0.011 χ^2/NDF:698186.7/25

Out: 60.061+/-0.011 χ^2/NDF:752571.2/29

All: 59.475+/-0.008 χ^2/NDF: 1456608.0/55



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 785.285+/-162.615 χ^2/NDF:28.3/10

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -201.120+/-163.270 χ^2/NDF:5.4/9

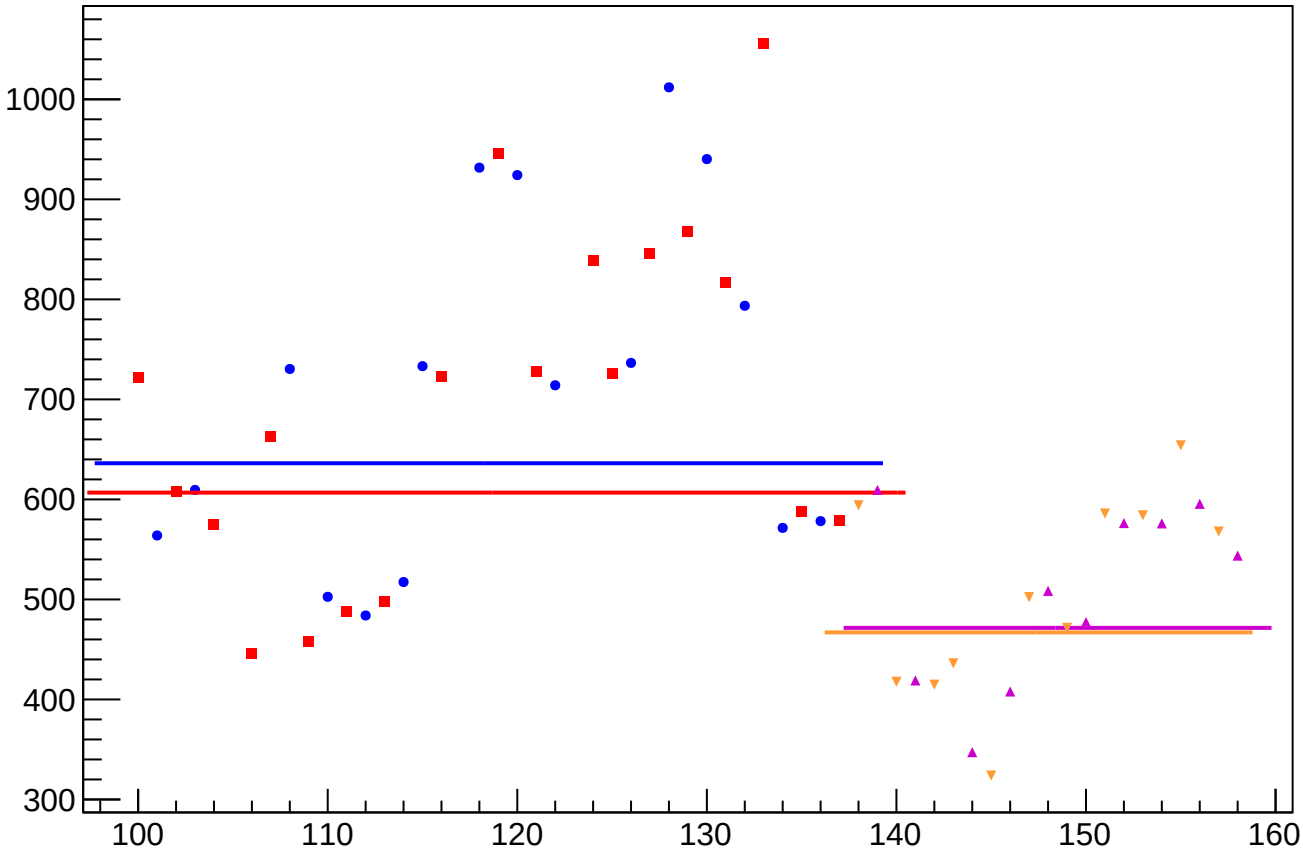
Left: 294.067+/-115.217 χ^2/NDF: 52.0/20

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -73.821+/-135.659 χ^2/NDF:29.8/25

Out: 346.554+/-132.718 χ^2/NDF:63.9/29

All: 140.973+/-94.868 χ^2/NDF: 98.6/55



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 467.061+/-0.115 χ^2/NDF:759031.5/10

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 471.572+/-0.115 χ^2/NDF:606989.0/9

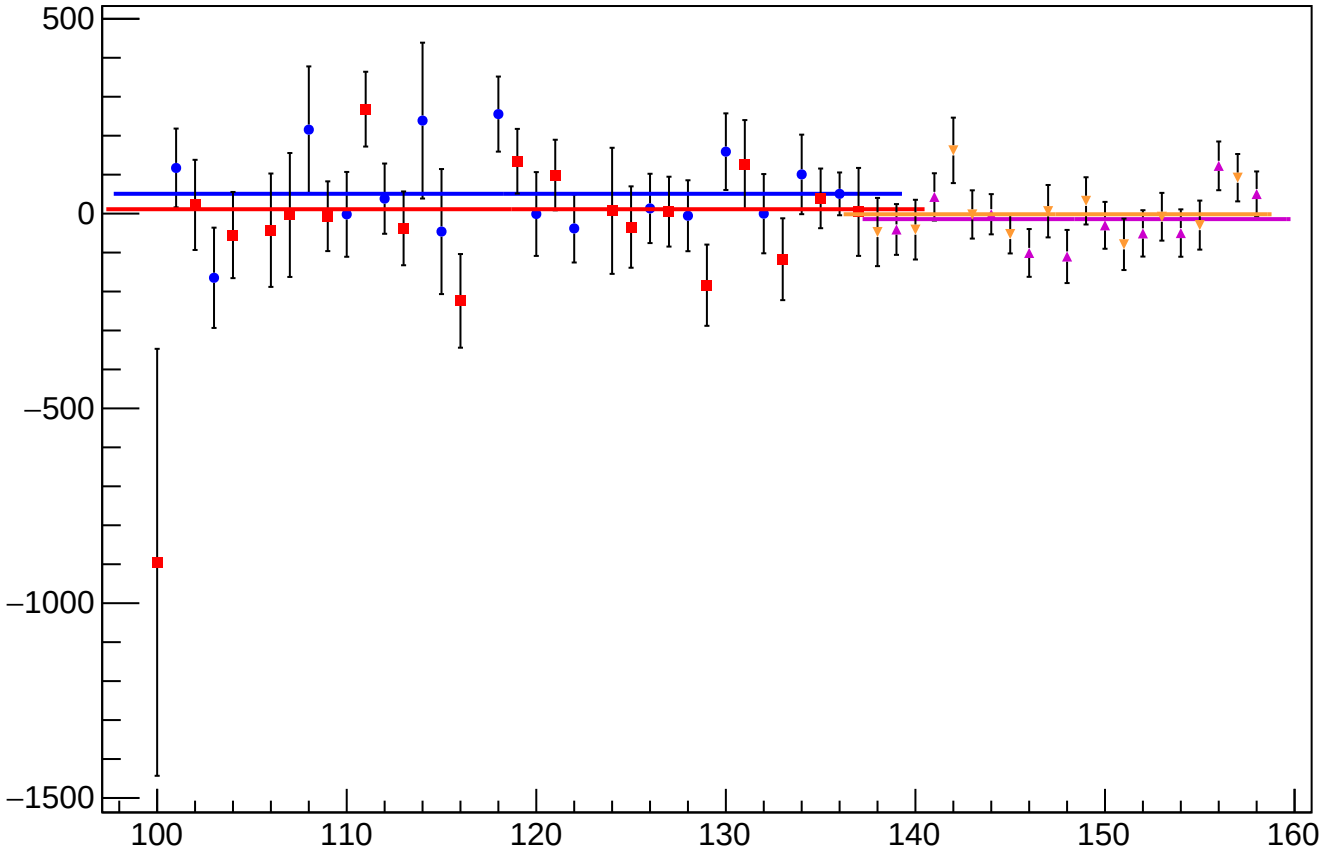
Left: 469.307+/-0.081 χ^2/NDF: 1366786.7/20

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 522.528+/-0.096 χ^2/NDF:1941397.8/25

Out: 513.721+/-0.094 χ^2/NDF:2146060.8/29

All: 518.028+/-0.067 χ^2/NDF: 4091765.5/55



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -1.678+/-19.543 χ^2/NDF:9.7/10

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.160+/-19.084 χ^2/NDF:11.9/9

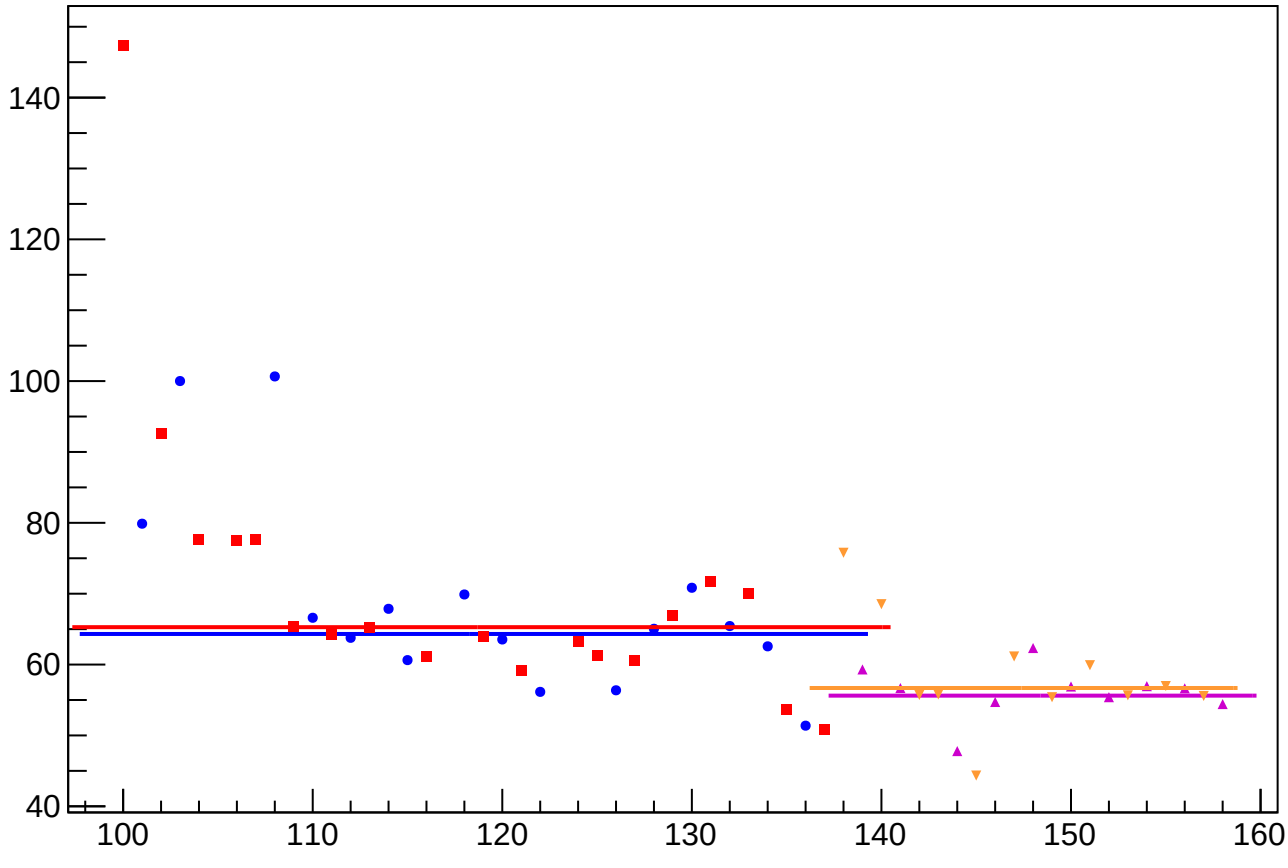
Left: -8.067+/-13.654 χ^2/NDF: 21.8/20

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 10.403+/-15.054 χ^2/NDF:30.1/25

Out: 3.398+/-15.235 χ^2/NDF:33.9/29

All: 6.942+/-10.708 χ^2/NDF: 64.1/55



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.694+/-0.014 χ^2/NDF:282060.5/10

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.615+/-0.013 χ^2/NDF:76150.2/9

Left: 56.142+/-0.010 χ^2/NDF: 361327.3/20

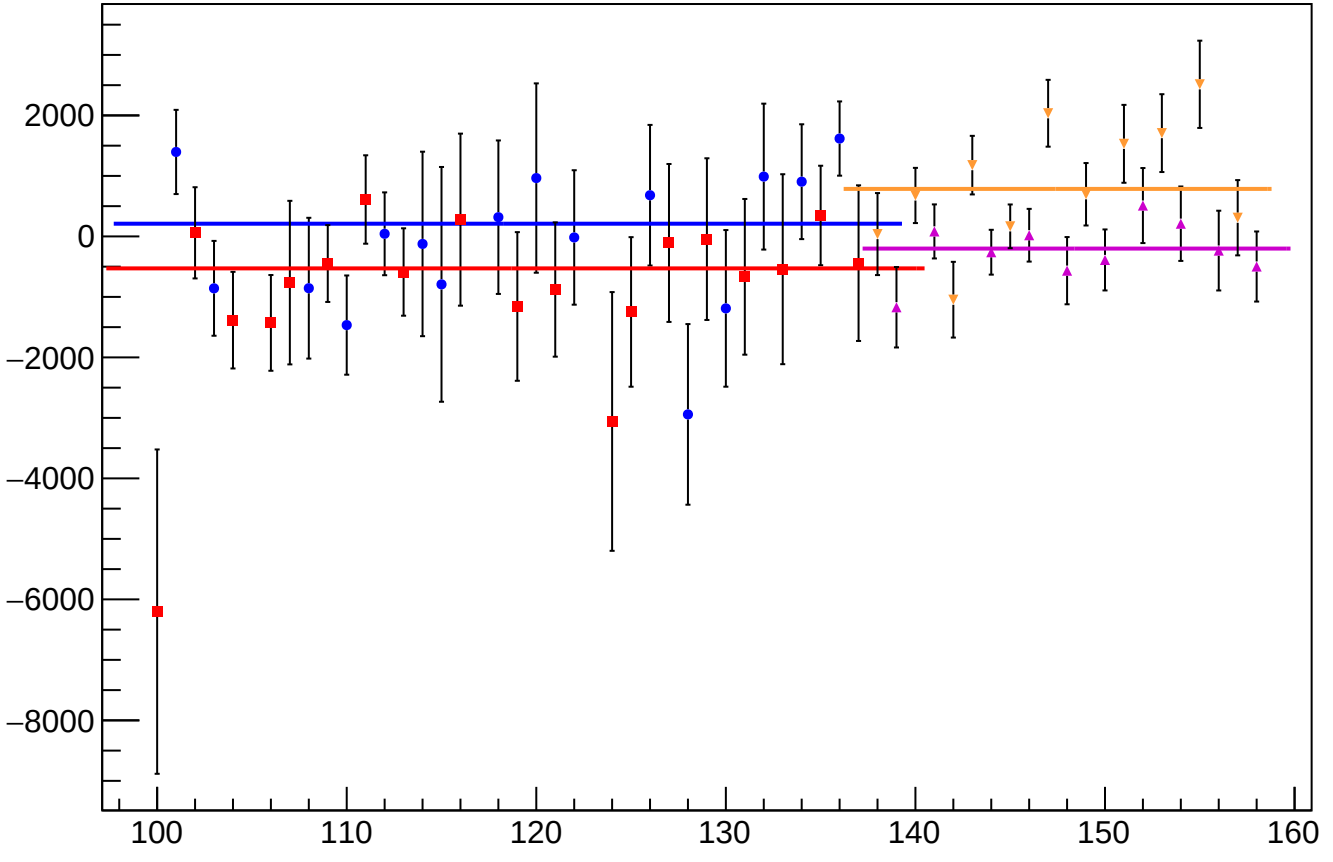
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 58.903+/-0.011 χ^2/NDF:698173.8/25

Out: 60.061+/-0.011 χ^2/NDF:752550.3/29

All: 59.475+/-0.008 χ^2/NDF: 1456574.4/55

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: 785.284+/-162.614 χ^2/NDF:28.3/10

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -201.119+/-163.270 χ^2/NDF:5.4/9

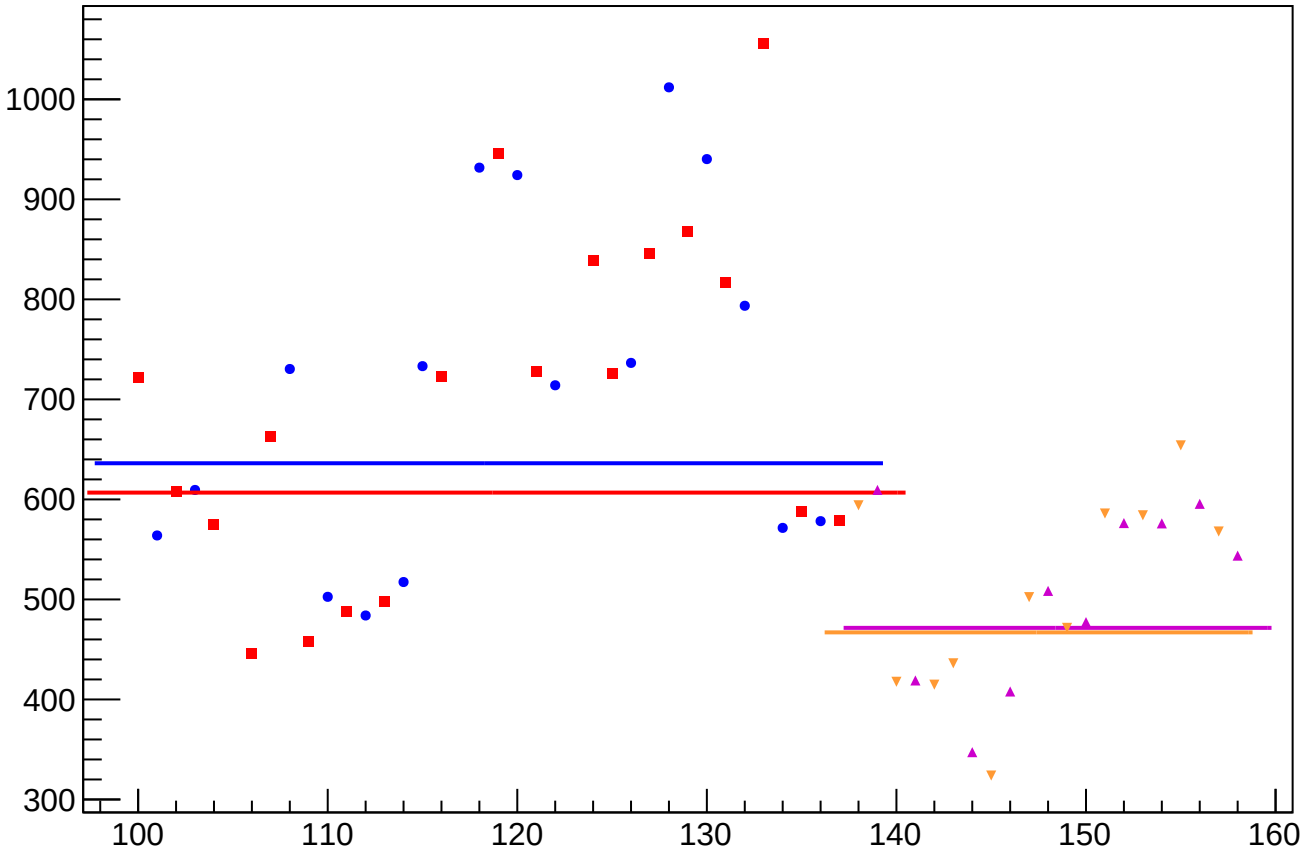
Left: 294.067+/-115.217 χ^2/NDF: 52.0/20

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -73.821+/-135.659 χ^2/NDF:29.8/25

Out: 346.553+/-132.718 χ^2/NDF:63.9/29

All: 140.973+/-94.868 χ^2/NDF: 98.6/55



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 467.060+/-0.115 χ^2/NDF:759038.2/10

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 471.571+/-0.115 χ^2/NDF:606989.6/9

Left: 469.307+/-0.081 χ^2/NDF: 1366794.2/20

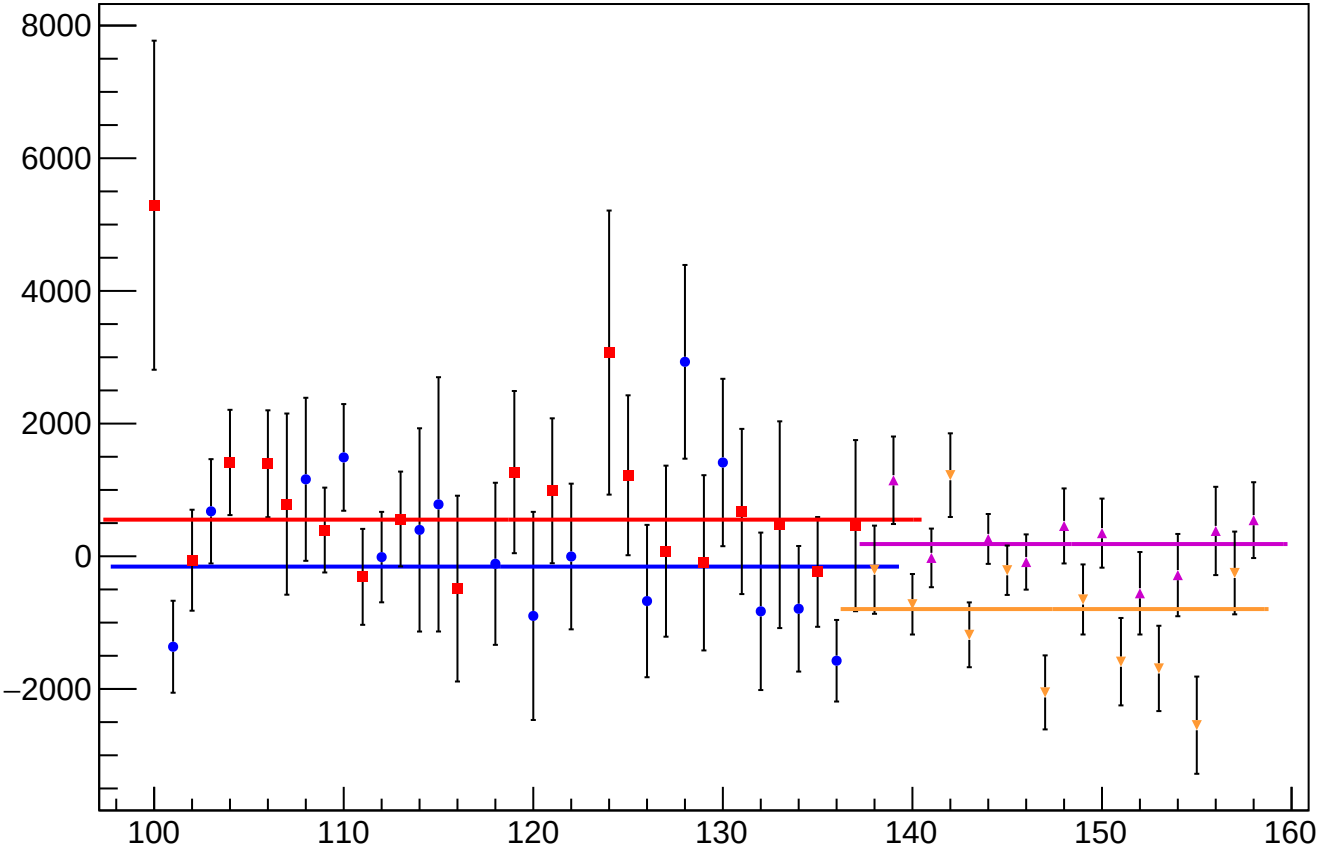
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 522.527+/-0.096 χ^2/NDF:1941402.7/25

Out: 513.720+/-0.094 χ^2/NDF:2146073.1/29

All: 518.027+/-0.067 χ^2/NDF: 4091782.9/55

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -795.795+/-164.516 χ^2/NDF:29.2/10

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 184.263+/-163.114 χ^2/NDF:5.6/9

Left: -301.572+/-115.831 χ^2/NDF: 52.7/20

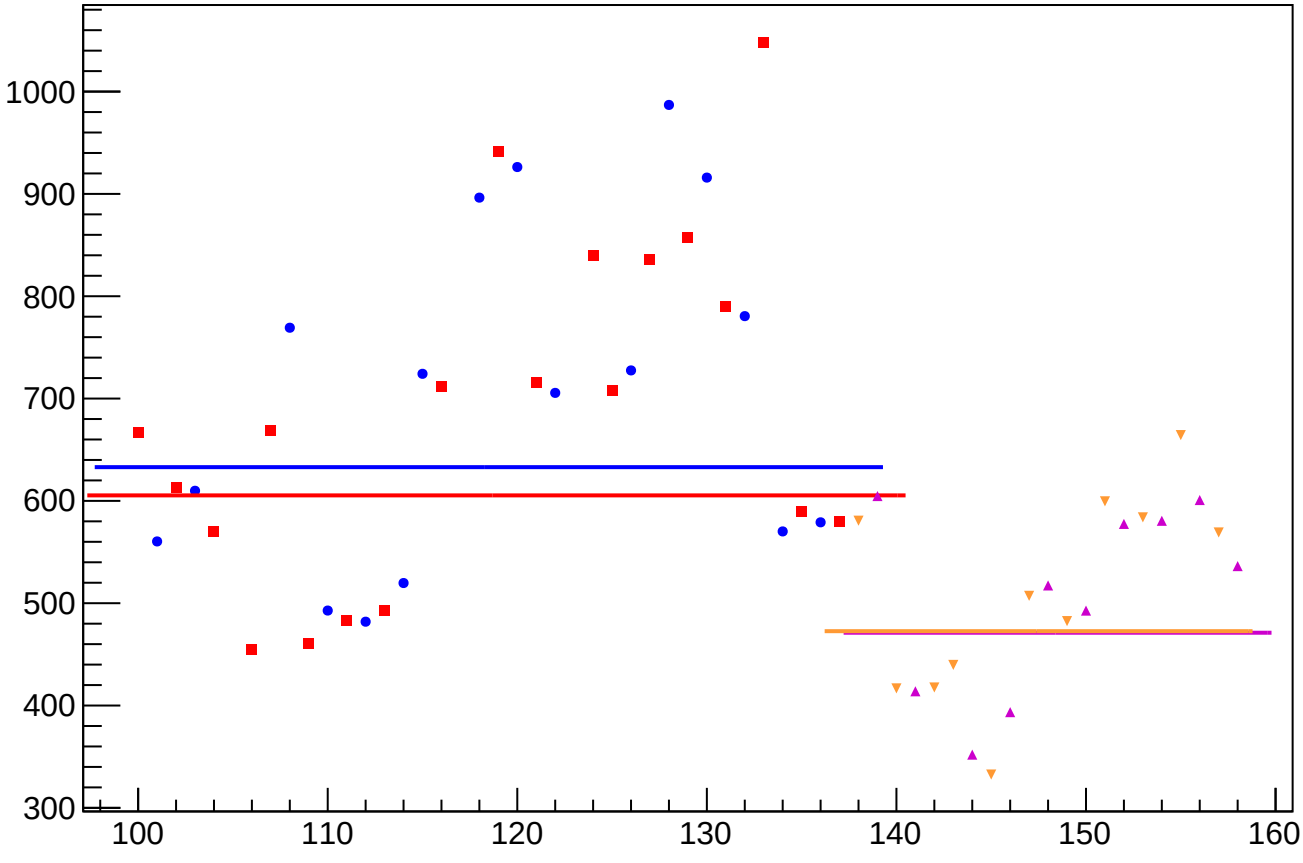
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 78.437+/-135.361 χ^2/NDF:29.5/25

Out: -336.631+/-133.589 χ^2/NDF:64.2/29

All: -131.832+/-95.082 χ^2/NDF: 98.4/55

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 472.662+/-0.116 χ^2/NDF:717645.8/10

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 471.152+/-0.115 χ^2/NDF:625366.2/9

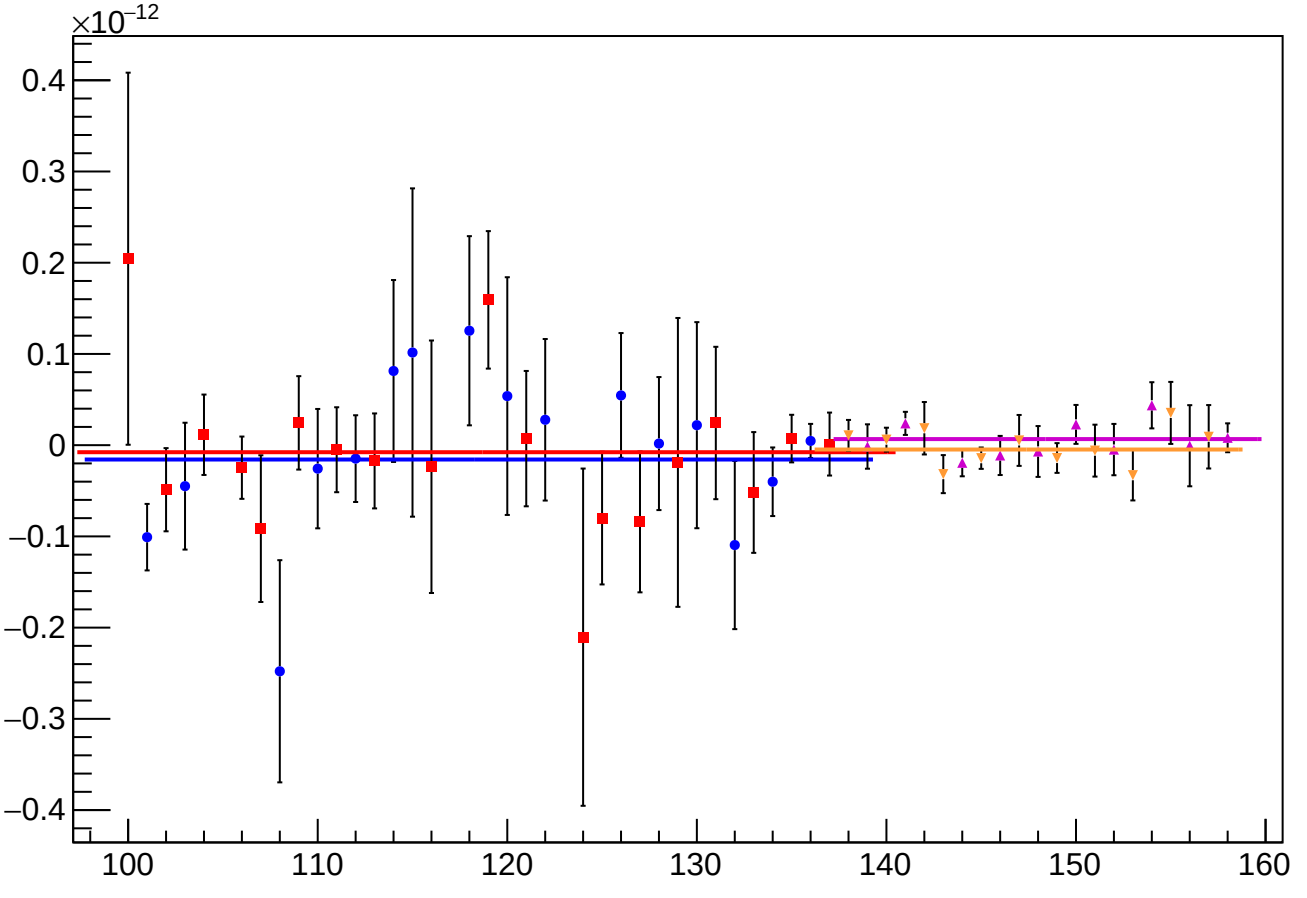
Left: 471.901+/-0.082 χ^2/NDF: 1343097.0/20

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 521.530+/-0.096 χ^2/NDF:1919292.1/25

Out: 517.868+/-0.094 χ^2/NDF:2014959.0/29

All: 519.675+/-0.067 χ^2/NDF: 3934992.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

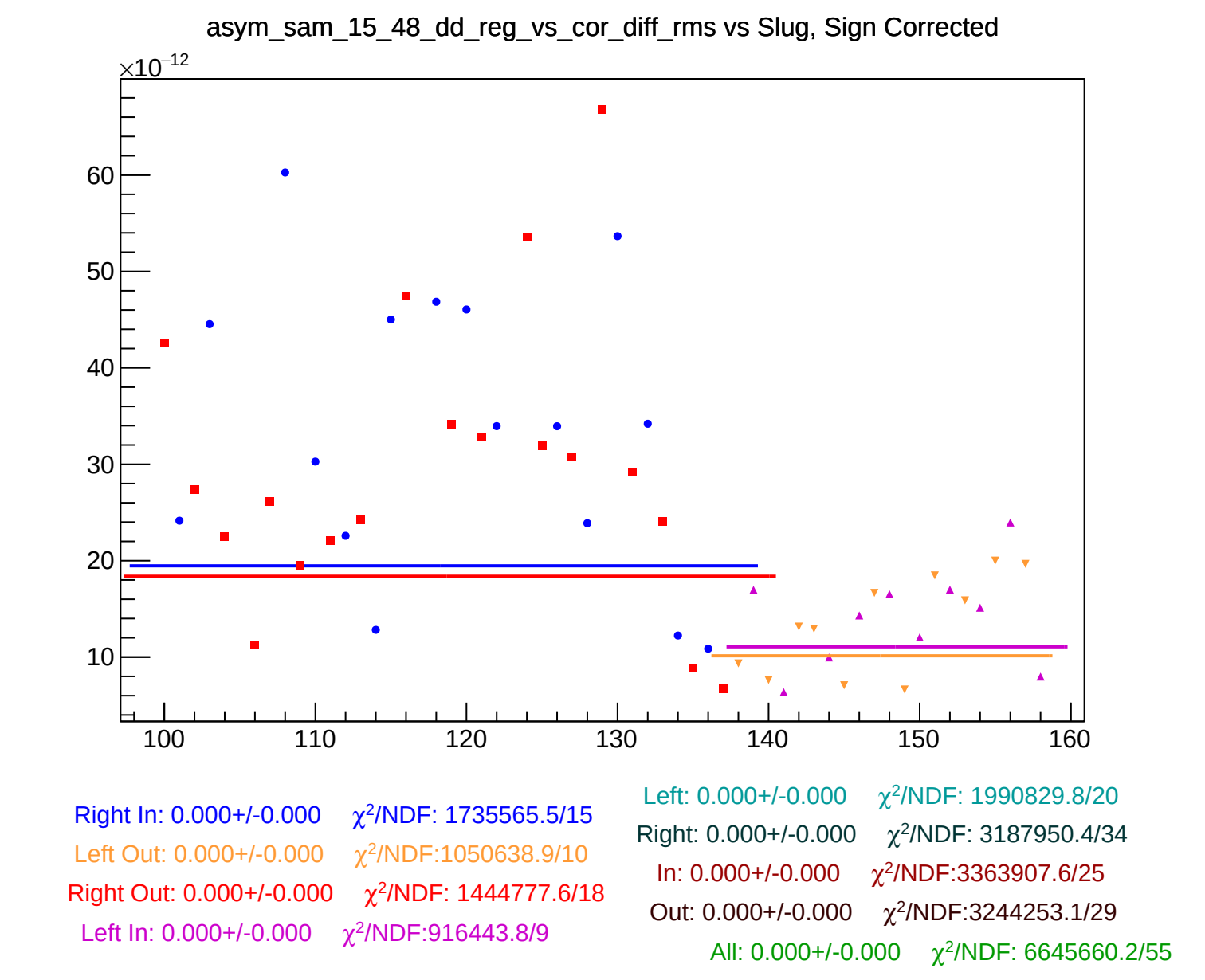
Left: 0.000+/-0.000 χ^2/NDF: 18.2/20

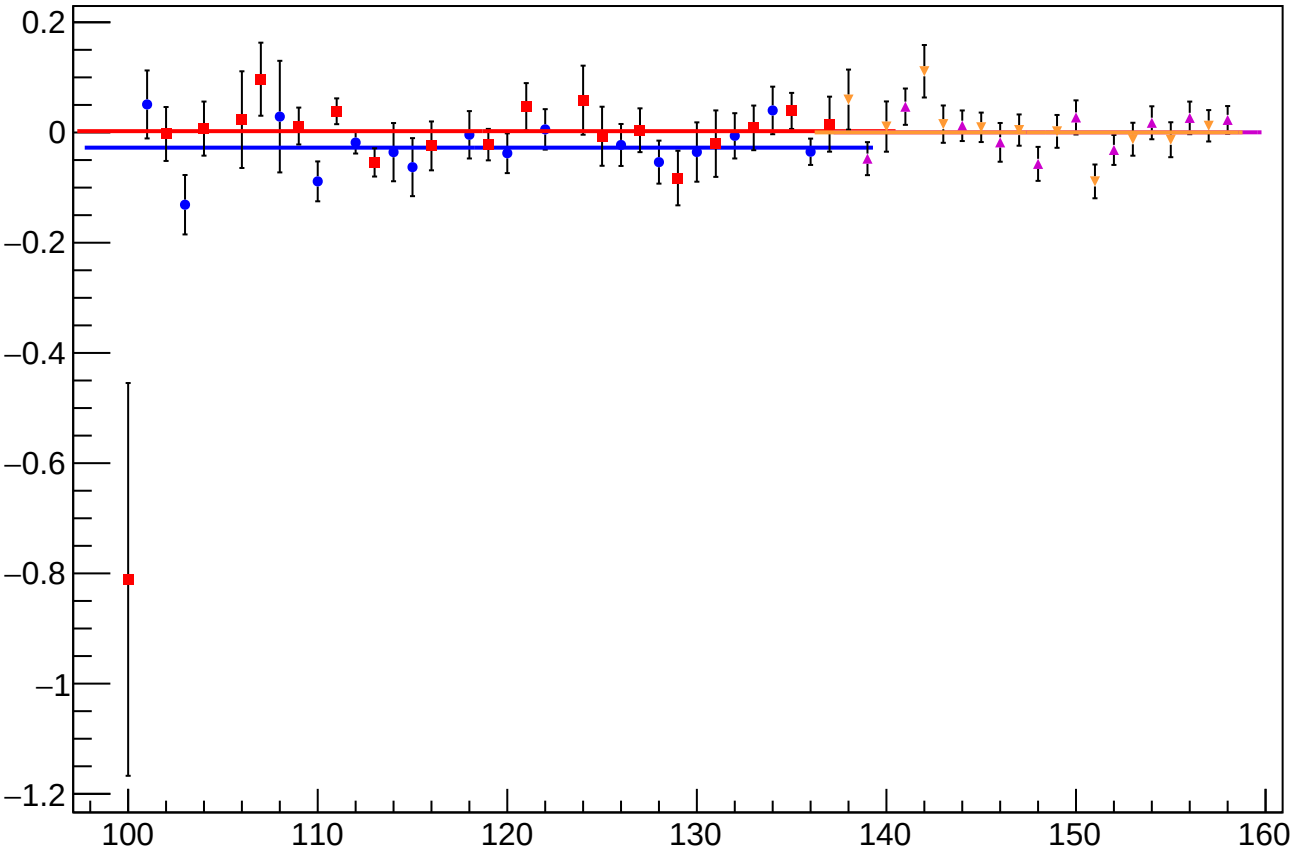
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:28.3/25

Out: -0.000+/-0.000 χ^2/NDF:20.6/29

All: -0.000+/-0.000 χ^2/NDF: 49.9/55


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1050638.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:916443.8/9
Left: 0.000+/-0.000 χ²/NDF: 1990829.8/20
Right: 0.000+/-0.000 χ²/NDF: 3187950.4/34
In: 0.000+/-0.000 χ²/NDF:3363907.6/25
Out: 0.000+/-0.000 χ²/NDF:3244253.1/29
All: 0.000+/-0.000 χ²/NDF: 6645660.2/55



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.009 χ^2/NDF:12.5/9

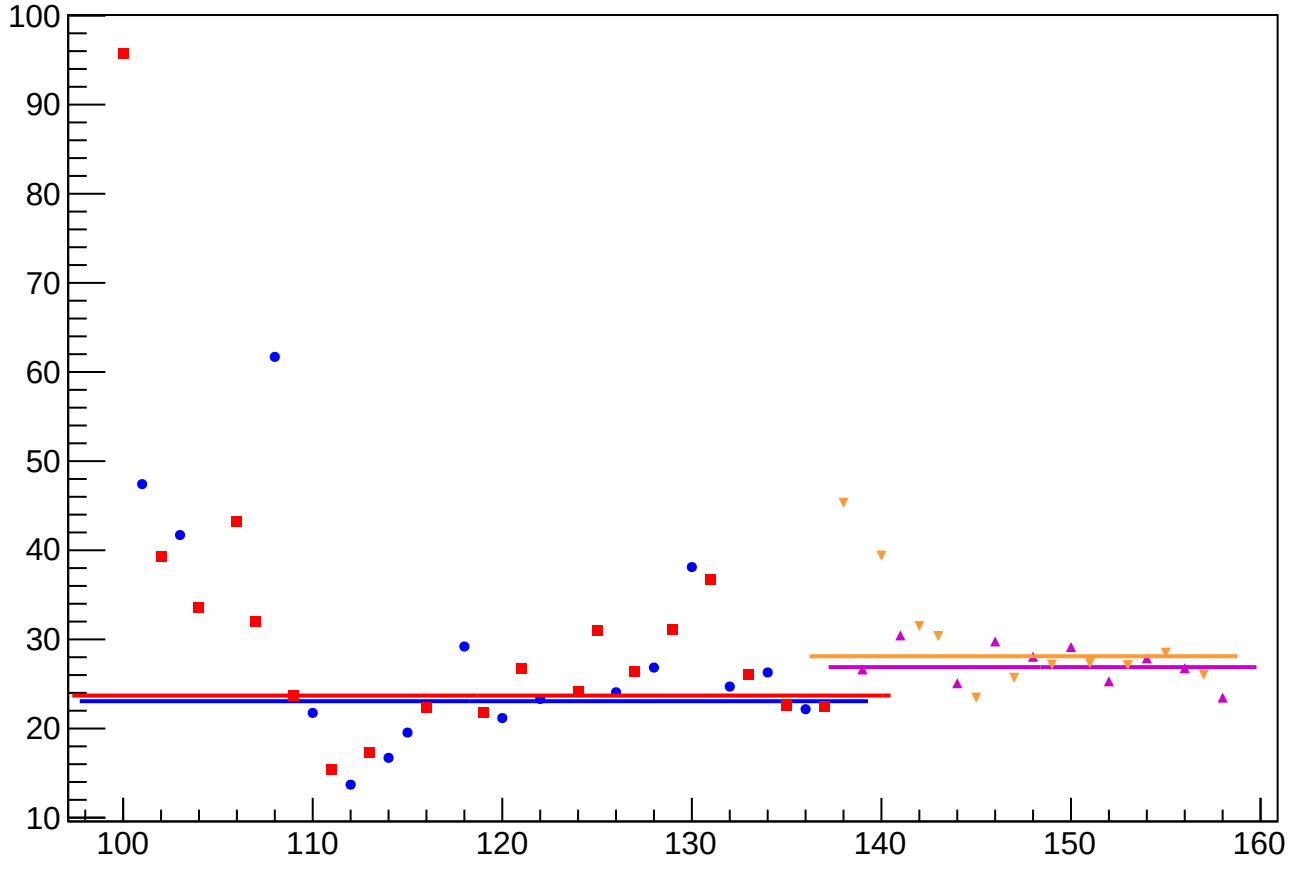
Left: 0.000+/-0.007 χ^2/NDF: 28.5/20

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.014+/-0.007 χ^2/NDF:30.6/25

Out: 0.001+/-0.007 χ^2/NDF:38.1/29

All: -0.006+/-0.005 χ^2/NDF: 71.1/55



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.111+/-0.007 χ^2/NDF:432551.5/10

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.890+/-0.007 χ^2/NDF:104904.8/9

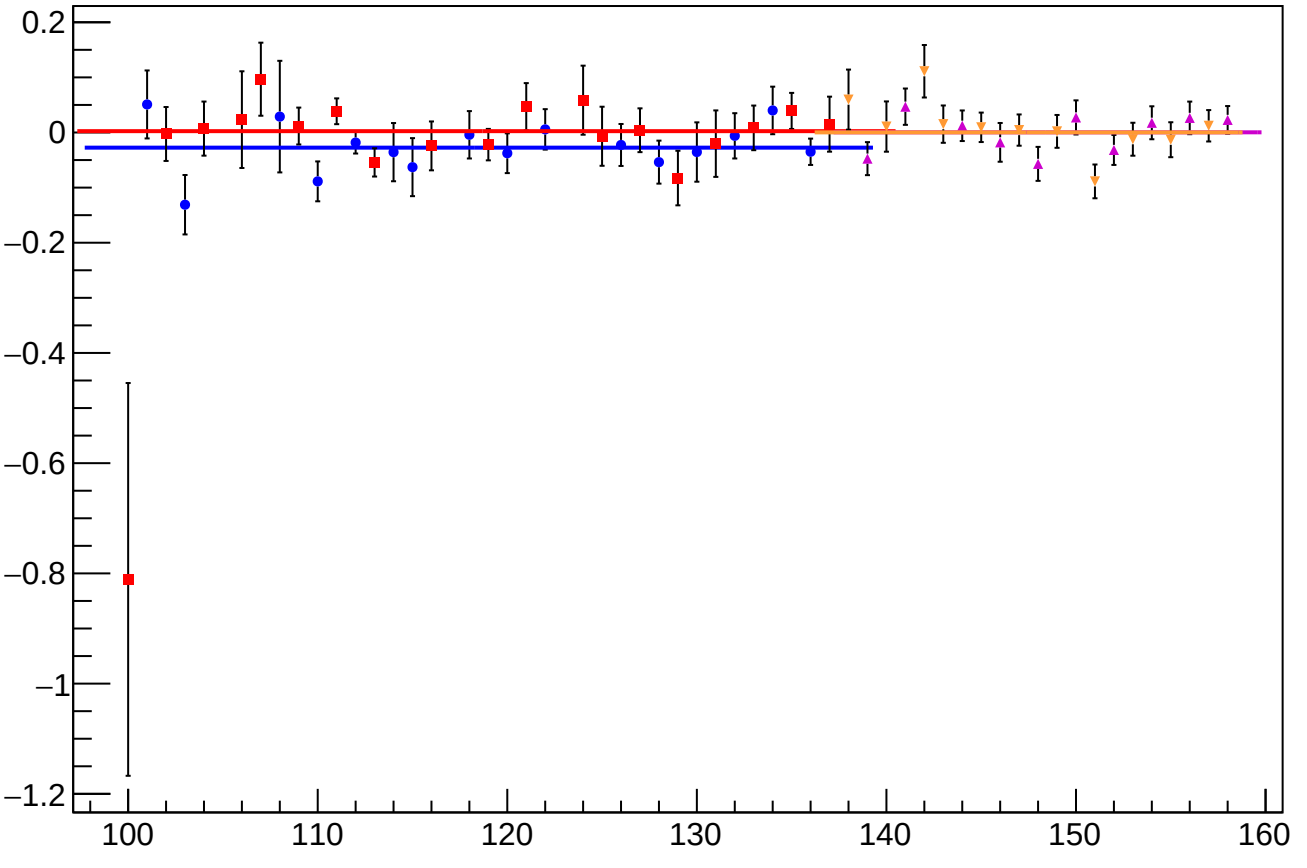
Left: 27.469+/-0.005 χ^2/NDF: 553605.1/20

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.986+/-0.005 χ^2/NDF:1835854.9/25

Out: 25.778+/-0.005 χ^2/NDF:1733038.5/29

All: 25.375+/-0.003 χ^2/NDF: 3582894.8/55



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.009 χ^2/NDF:12.5/9

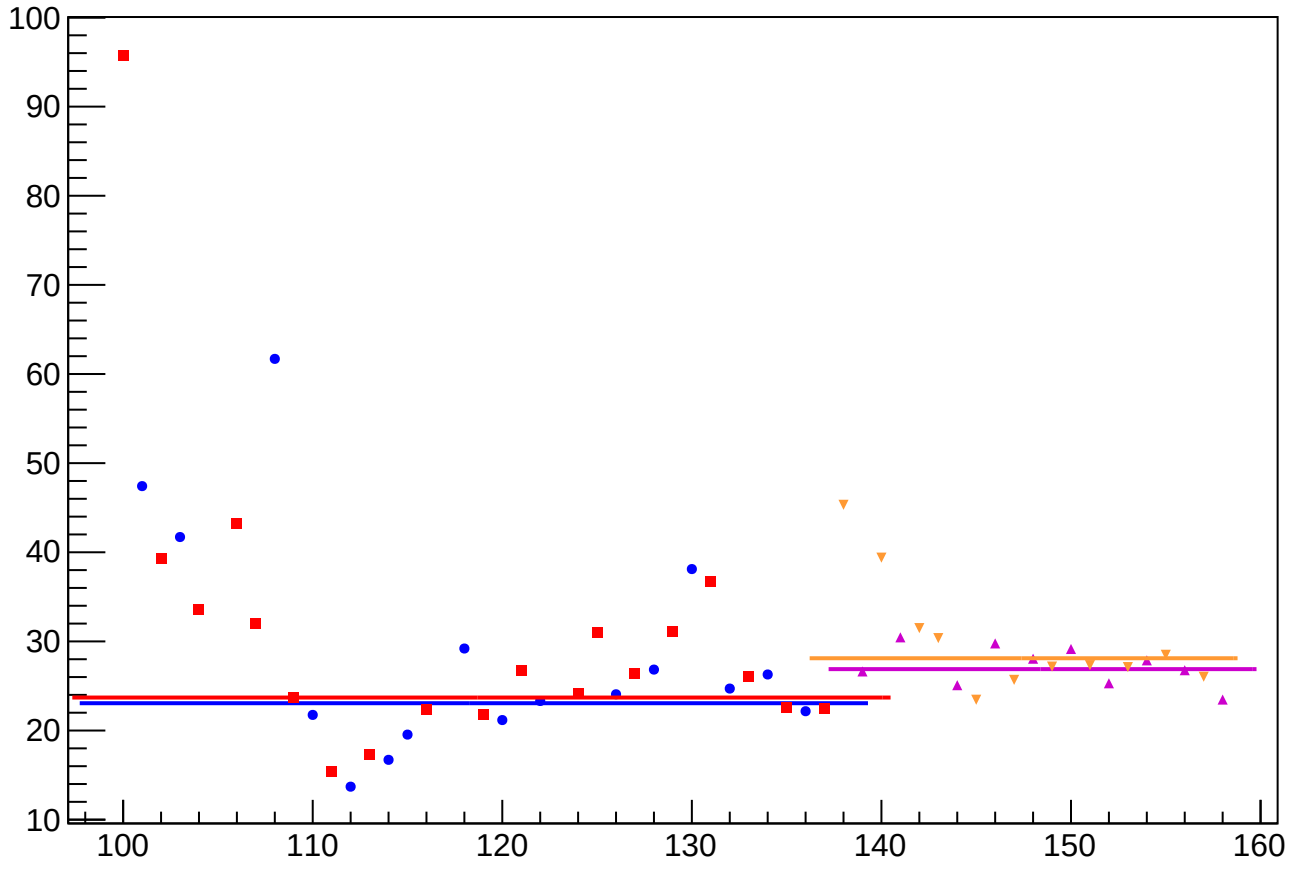
Left: 0.000+/-0.007 χ^2/NDF: 28.5/20

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.014+/-0.007 χ^2/NDF:30.6/25

Out: 0.001+/-0.007 χ^2/NDF:38.1/29

All: -0.006+/-0.005 χ^2/NDF: 71.1/55



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.111+/-0.007 χ^2/NDF:432551.5/10

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.890+/-0.007 χ^2/NDF:104904.8/9

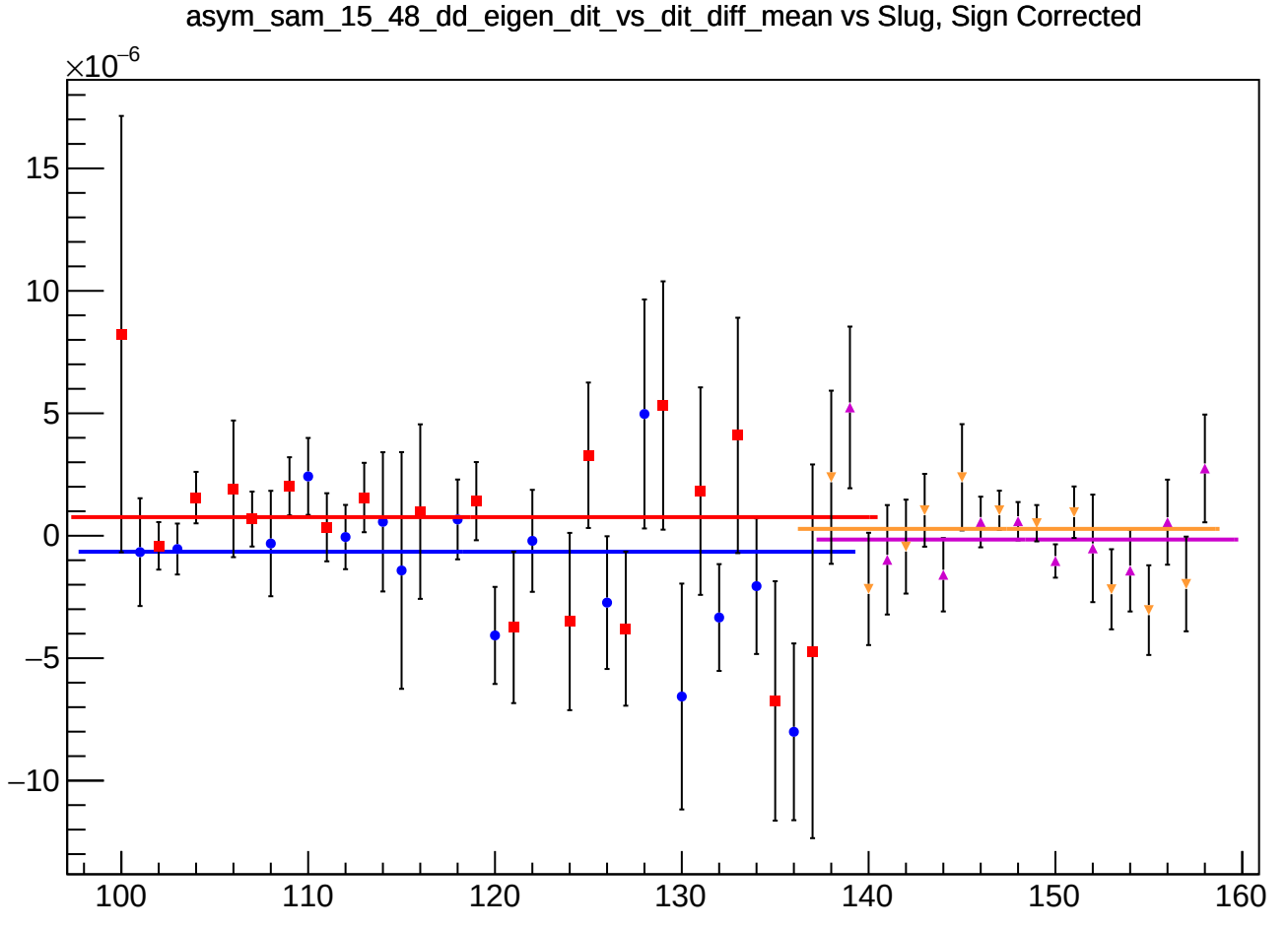
Left: 27.469+/-0.005 χ^2/NDF: 553605.1/20

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.986+/-0.005 χ^2/NDF:1835854.9/25

Out: 25.778+/-0.005 χ^2/NDF:1733038.5/29

All: 25.375+/-0.003 χ^2/NDF: 3582894.8/55



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/9

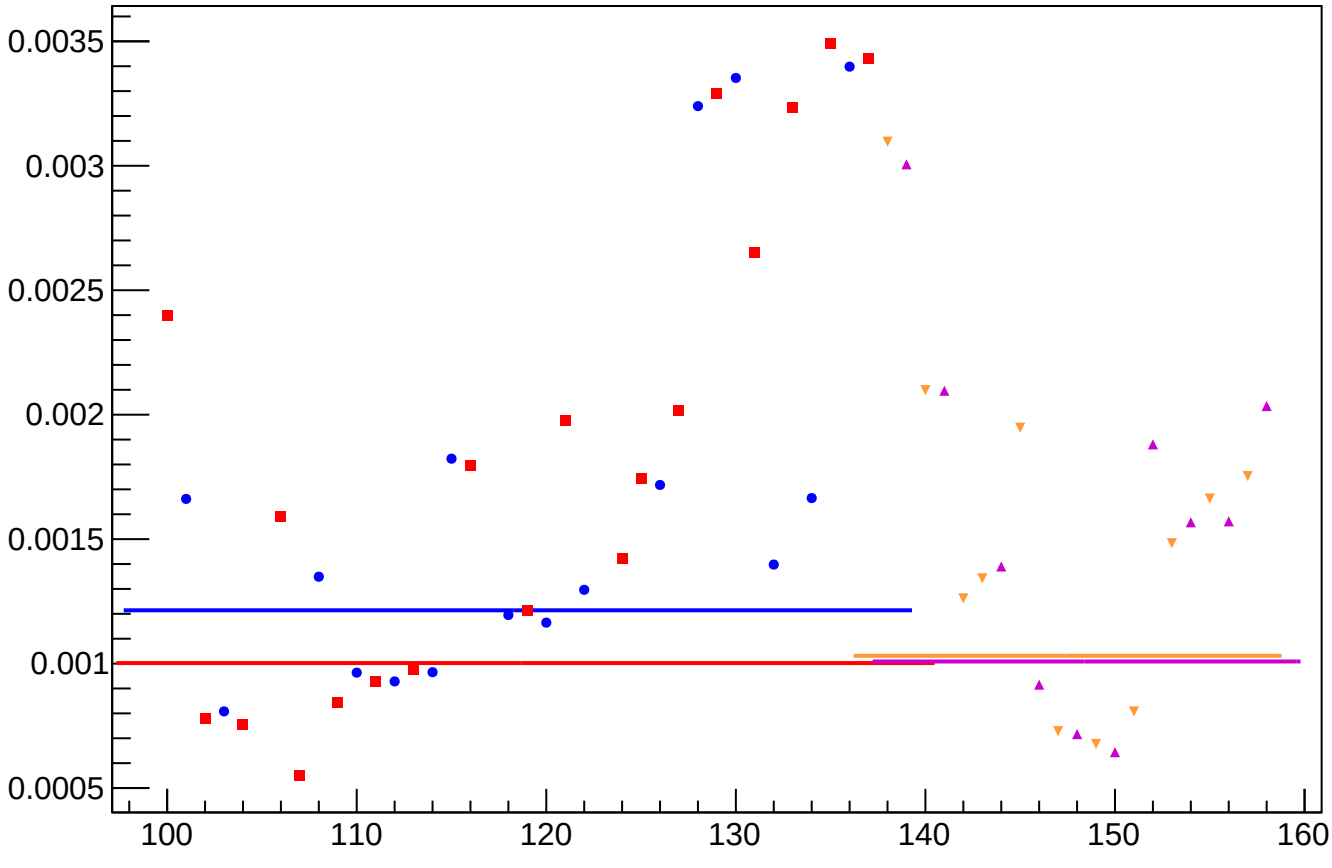
Left: 0.000+/-0.000 χ^2/NDF: 21.1/20

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:27.5/25

Out: 0.000+/-0.000 χ^2/NDF:27.0/29

All: 0.000+/-0.000 χ^2/NDF: 58.6/55



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:3090000.0/10

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3388573.8/9

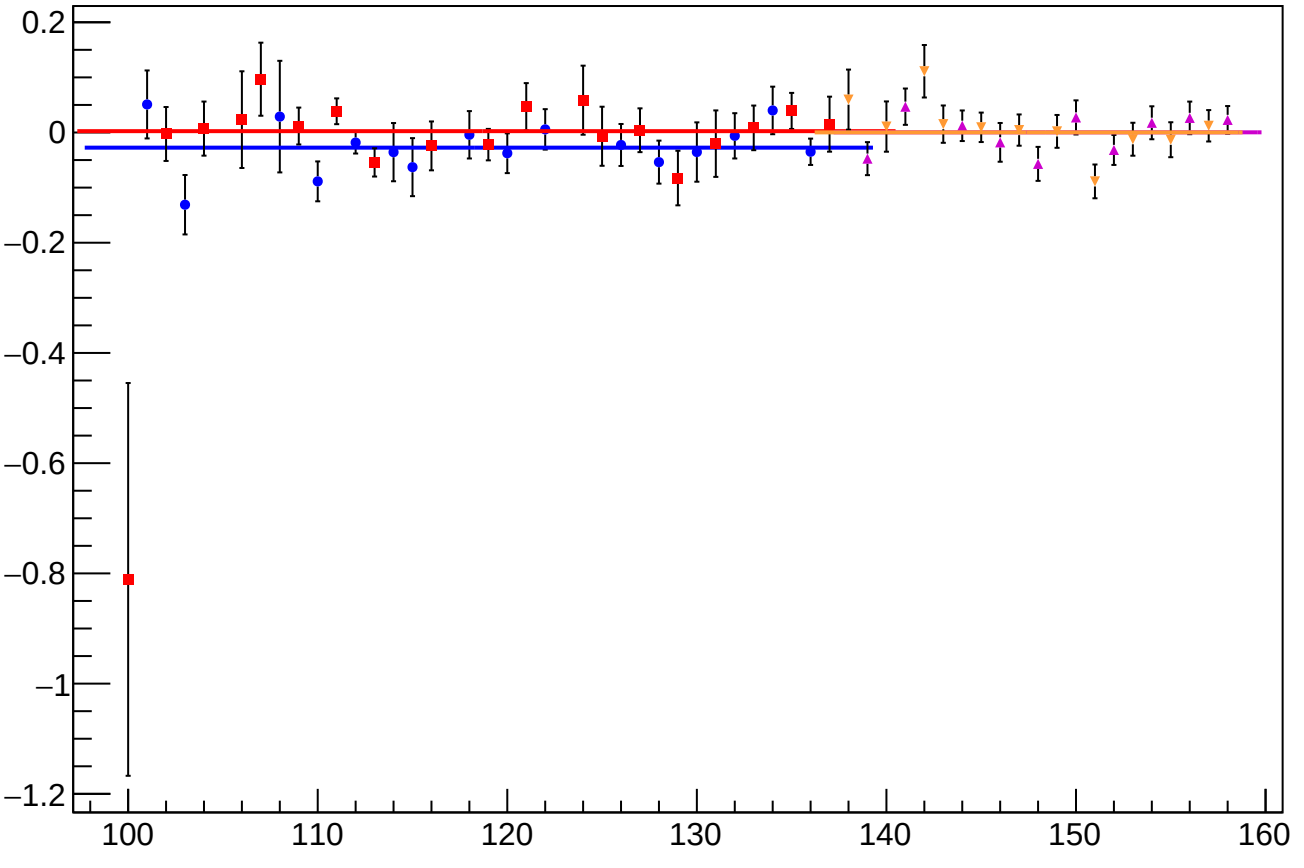
Left: 0.001+/-0.000 χ^2/NDF: 6481940.0/20

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:5866382.9/25

Out: 0.001+/-0.000 χ^2/NDF:6372339.2/29

All: 0.001+/-0.000 χ^2/NDF: 12292192.3/55



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.009 χ^2/NDF:12.5/9

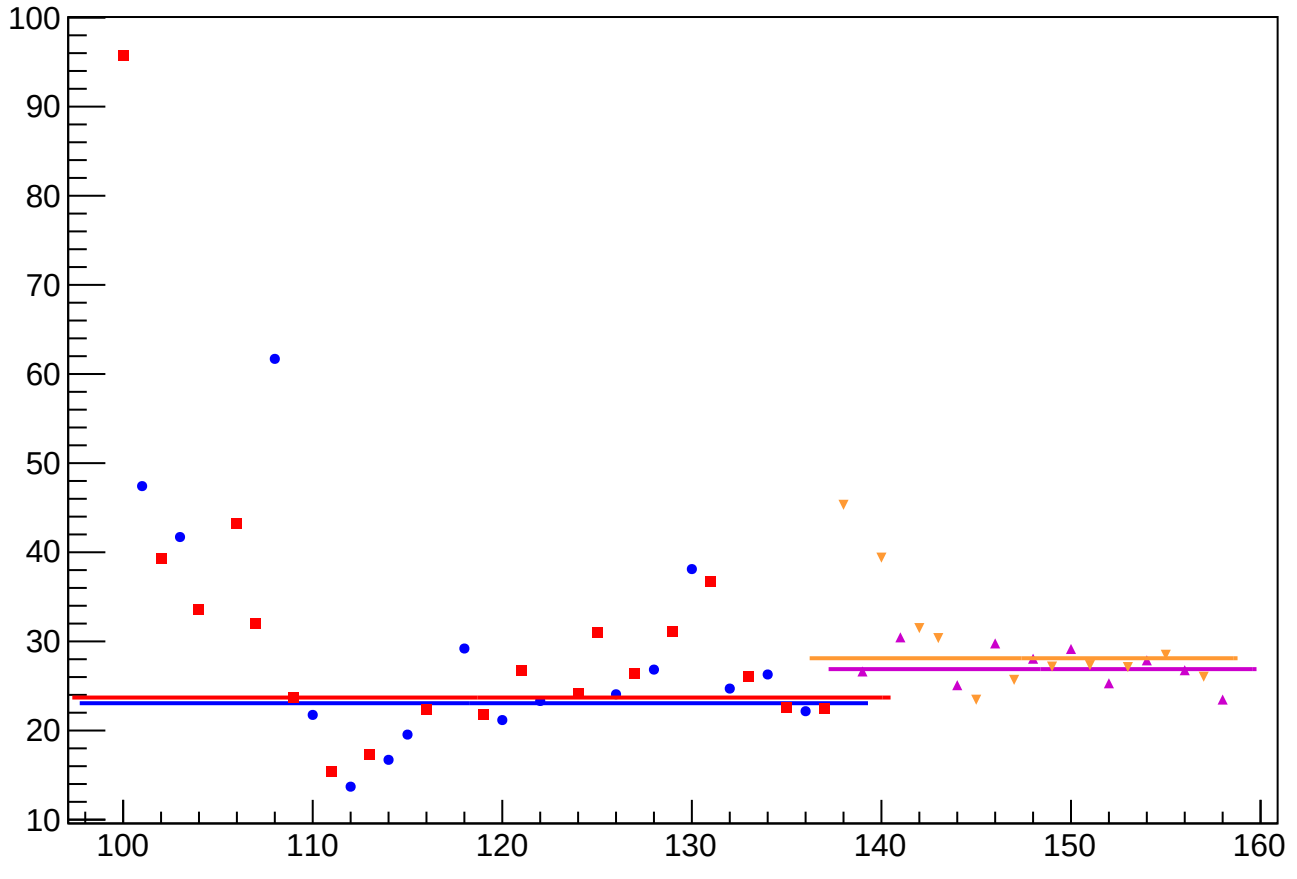
Left: 0.000+/-0.007 χ^2/NDF: 28.5/20

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.014+/-0.007 χ^2/NDF:30.6/25

Out: 0.001+/-0.007 χ^2/NDF:38.1/29

All: -0.006+/-0.005 χ^2/NDF: 71.1/55



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.111+/-0.007 χ^2/NDF:432509.8/10

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.890+/-0.007 χ^2/NDF:104891.0/9

Left: 27.469+/-0.005 χ^2/NDF: 553552.8/20

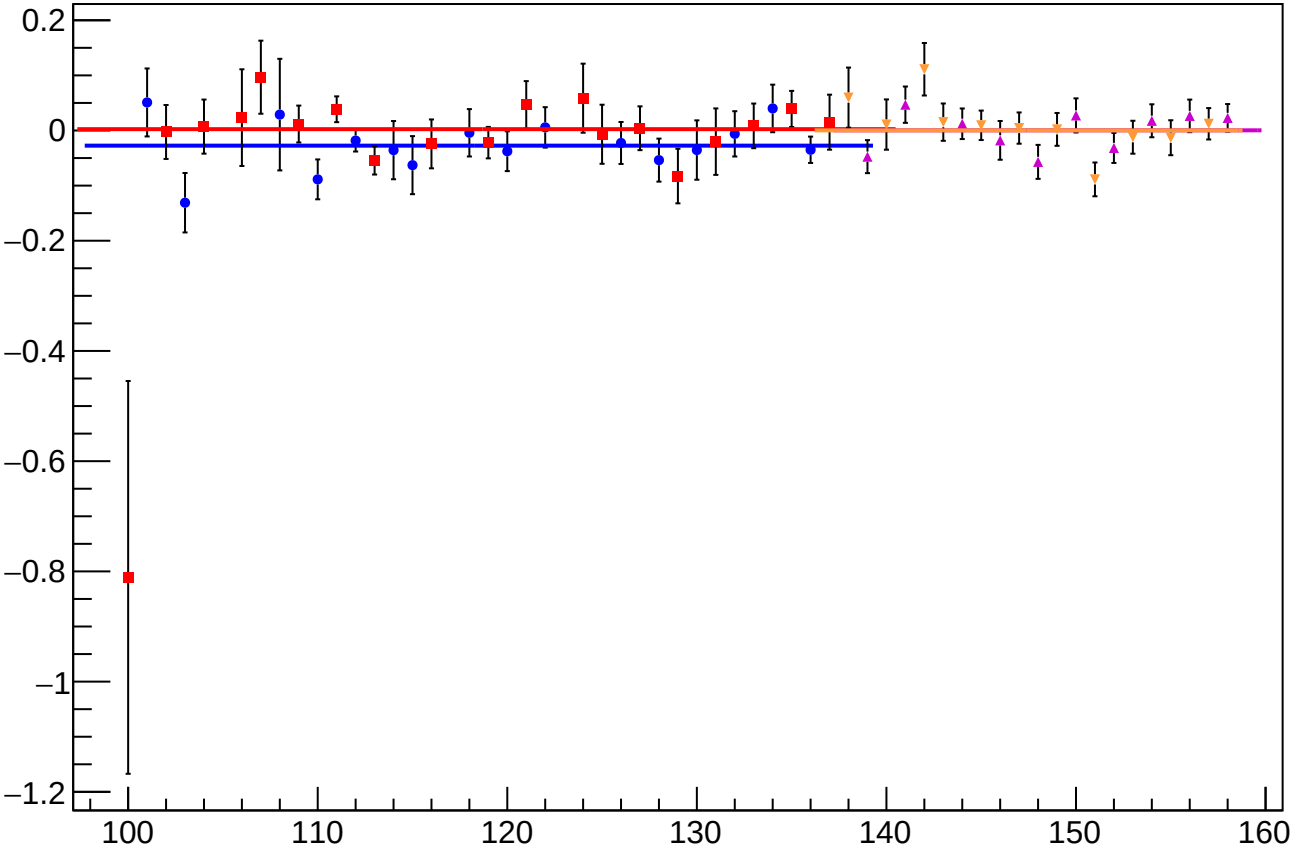
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.986+/-0.005 χ^2/NDF:1835893.7/25

Out: 25.778+/-0.005 χ^2/NDF:1733092.6/29

All: 25.375+/-0.003 χ^2/NDF: 3582988.1/55

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: 0.000+/-0.010 χ^2/NDF:16.0/10

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.000+/-0.009 χ^2/NDF:12.5/9

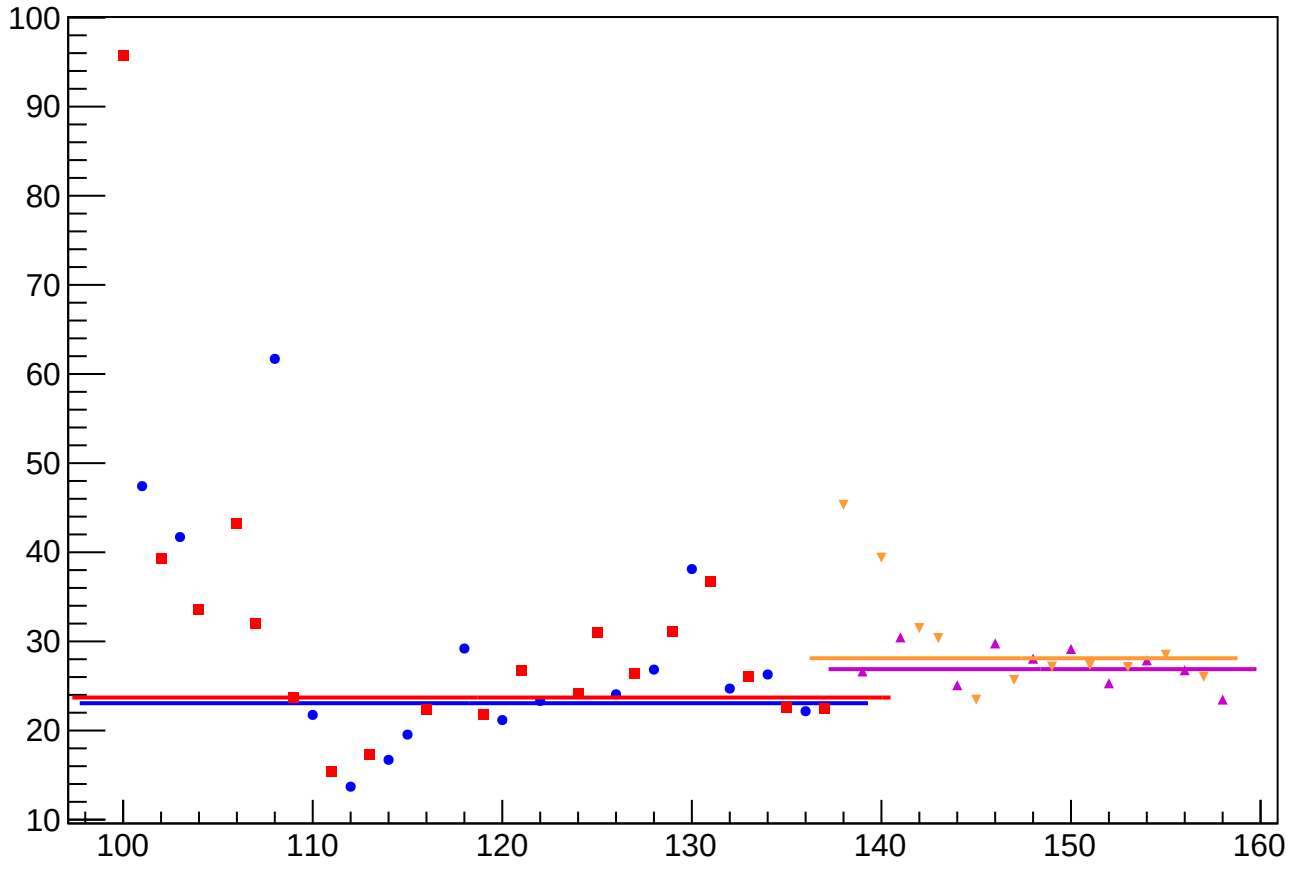
Left: 0.000+/-0.007 χ^2/NDF: 28.5/20

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.014+/-0.007 χ^2/NDF:30.6/25

Out: 0.001+/-0.007 χ^2/NDF:38.1/29

All: -0.006+/-0.005 χ^2/NDF: 71.1/55



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.111+/-0.007 χ^2/NDF:432509.8/10

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.890+/-0.007 χ^2/NDF:104891.0/9

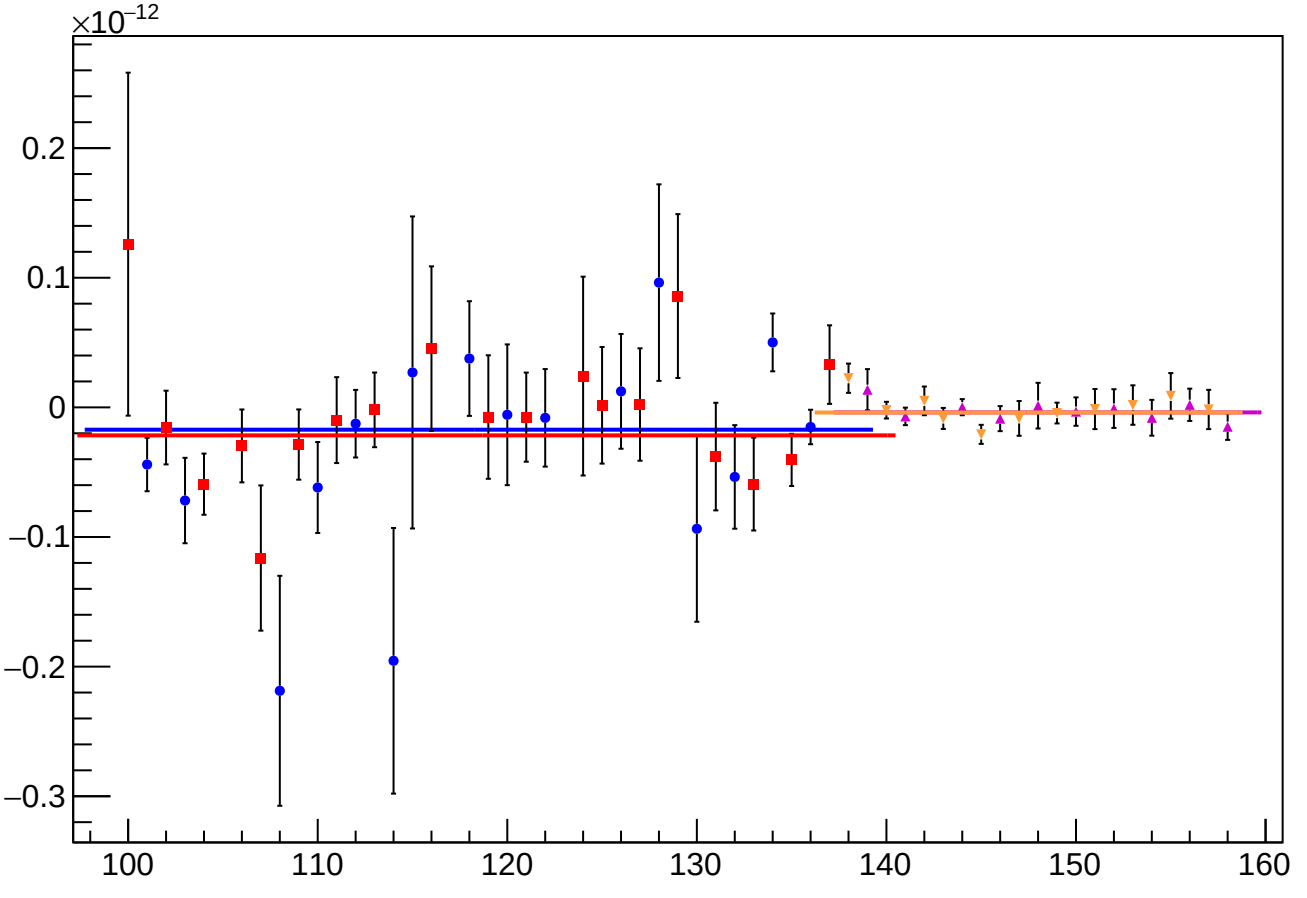
Left: 27.469+/-0.005 χ^2/NDF: 553552.8/20

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.986+/-0.005 χ^2/NDF:1835893.7/25

Out: 25.778+/-0.005 χ^2/NDF:1733092.6/29

All: 25.375+/-0.003 χ^2/NDF: 3582988.1/55



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/9

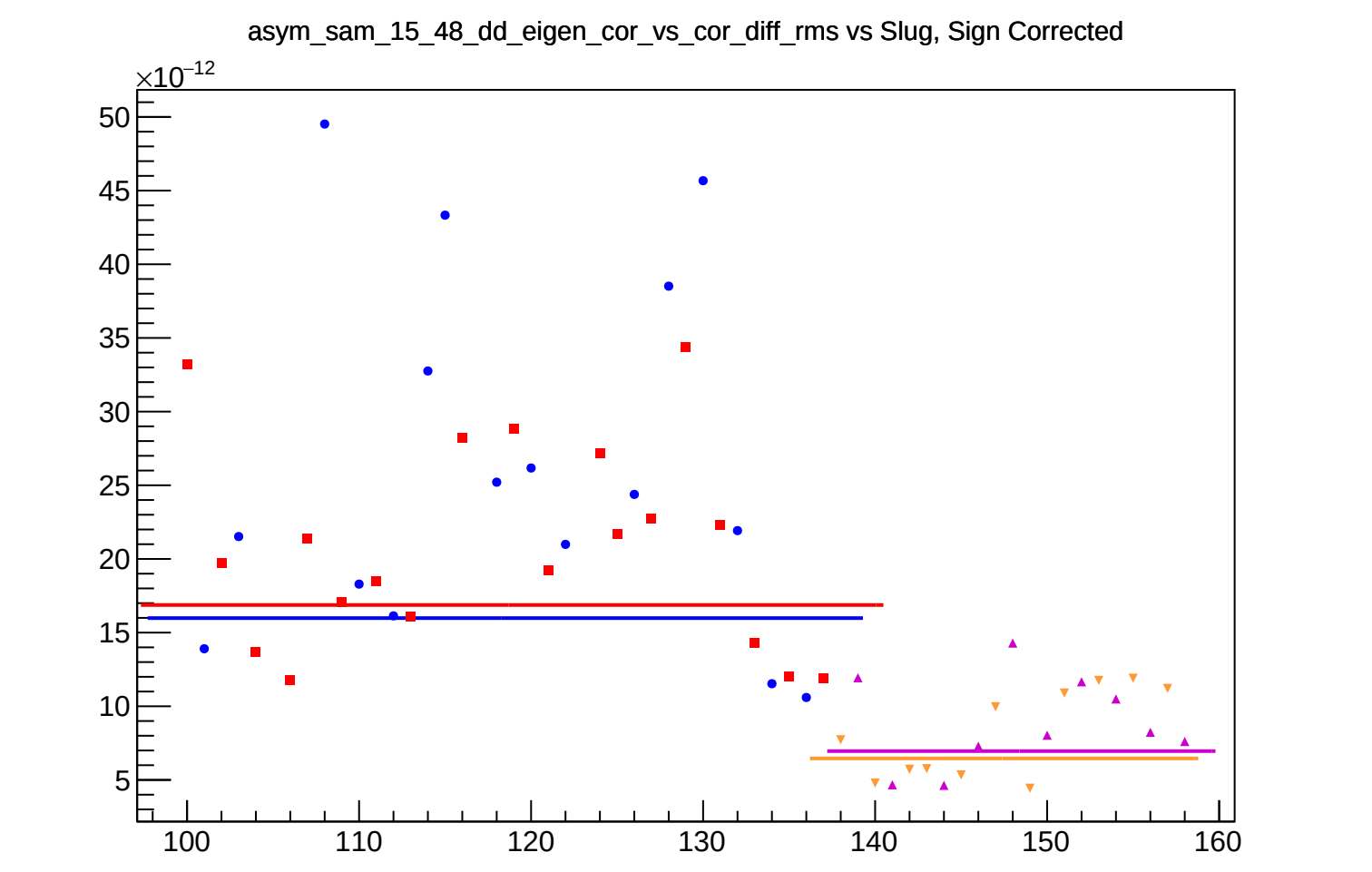
Left: -0.000+/-0.000 χ^2/NDF: 16.4/20

Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:36.1/25

Out: -0.000+/-0.000 χ^2/NDF:35.0/29

All: -0.000+/-0.000 χ^2/NDF: 71.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1288210.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1432054.9/9

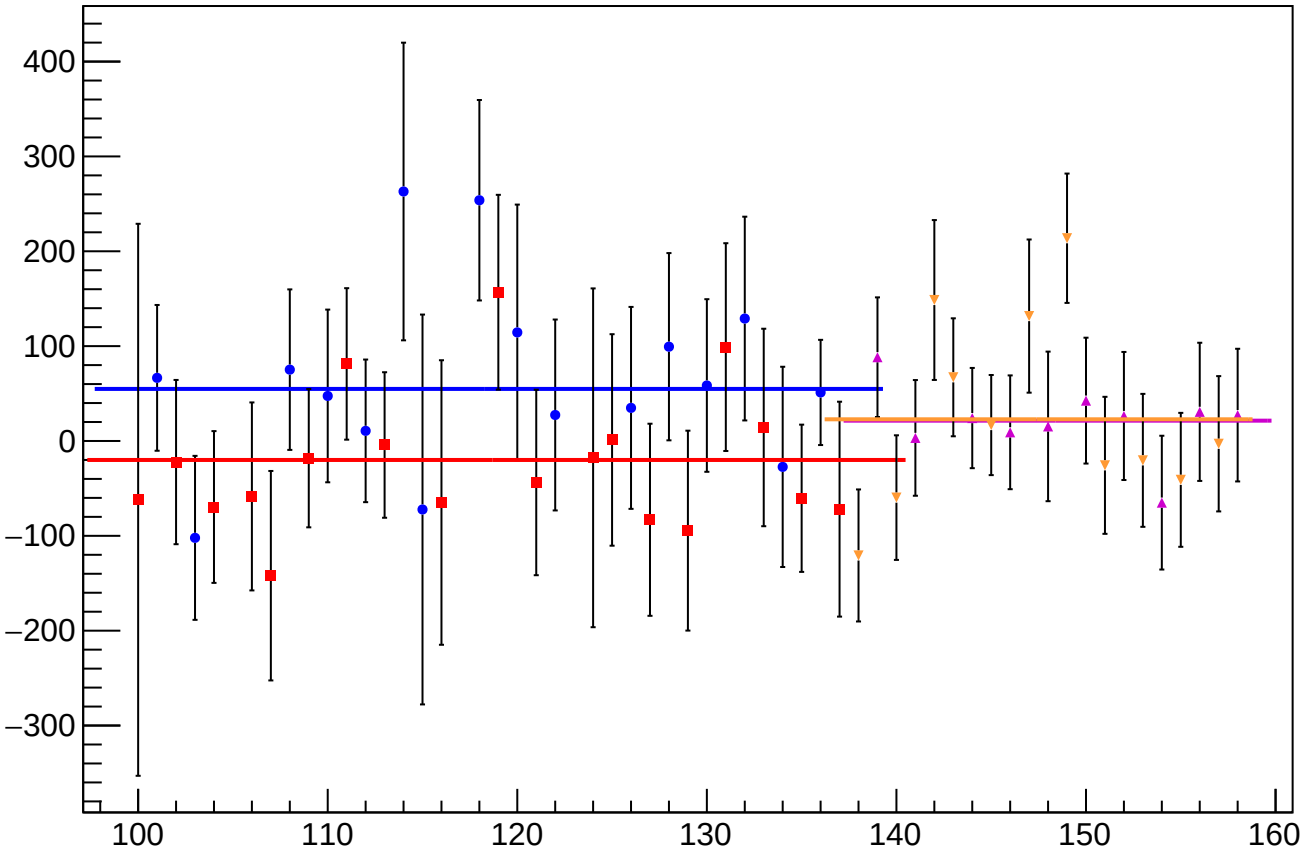
Left: 0.000+/-0.000 χ^2/NDF: 2746289.7/20

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:5514830.8/25

Out: 0.000+/-0.000 χ^2/NDF:5164518.0/29

All: 0.000+/-0.000 χ^2/NDF: 10706027.0/55



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 22.849+/-20.595 χ^2/NDF:20.0/10

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 21.418+/-20.595 χ^2/NDF:2.9/9

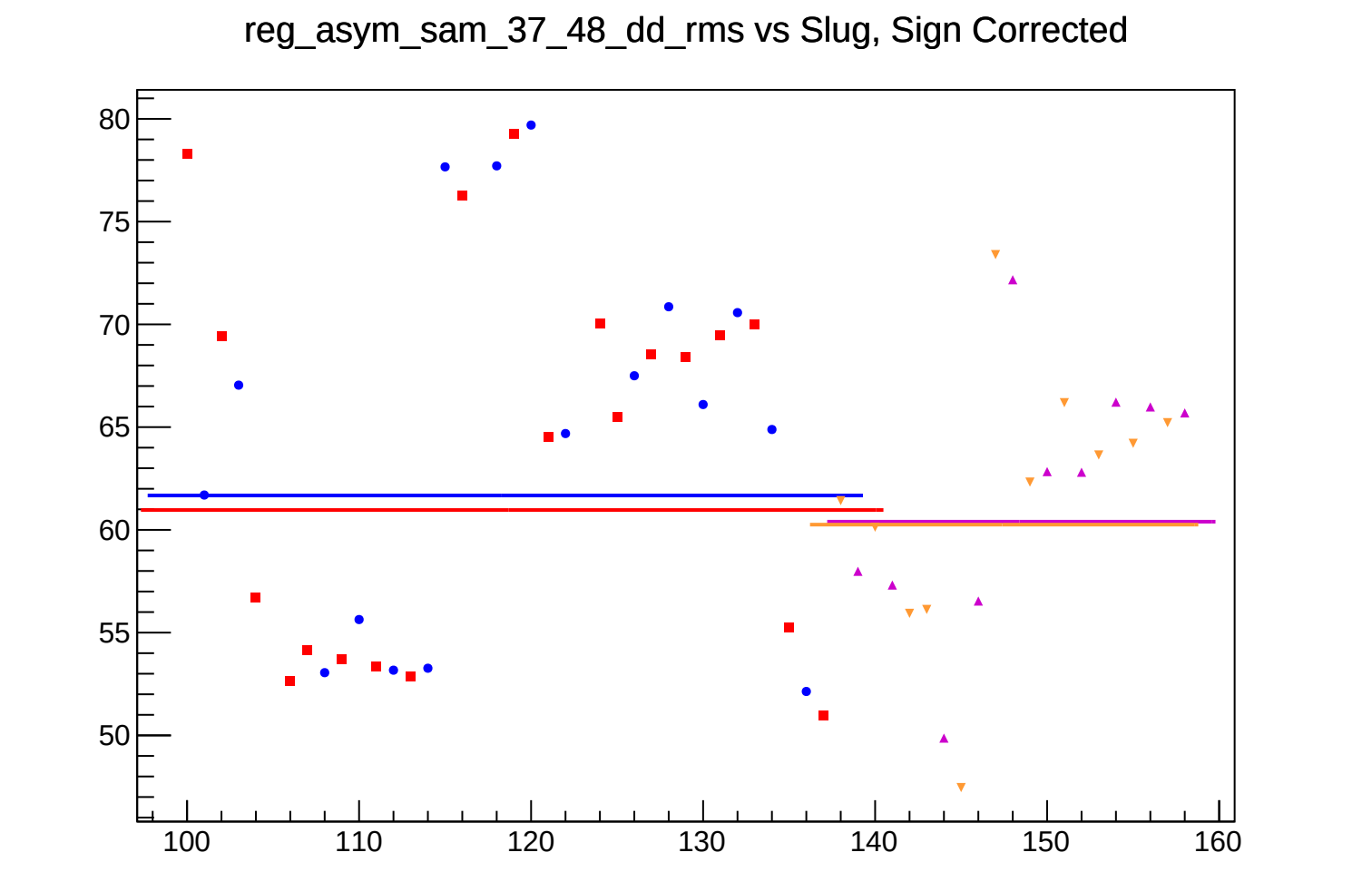
Left: 22.133+/-14.563 χ^2/NDF: 22.9/20

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 36.182+/-15.395 χ^2/NDF:15.1/25

Out: 3.372+/-15.214 χ^2/NDF:31.2/29

All: 19.582+/-10.821 χ^2/NDF: 48.6/55



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 60.255+/-0.015 χ^2/NDF:221117.0/10

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

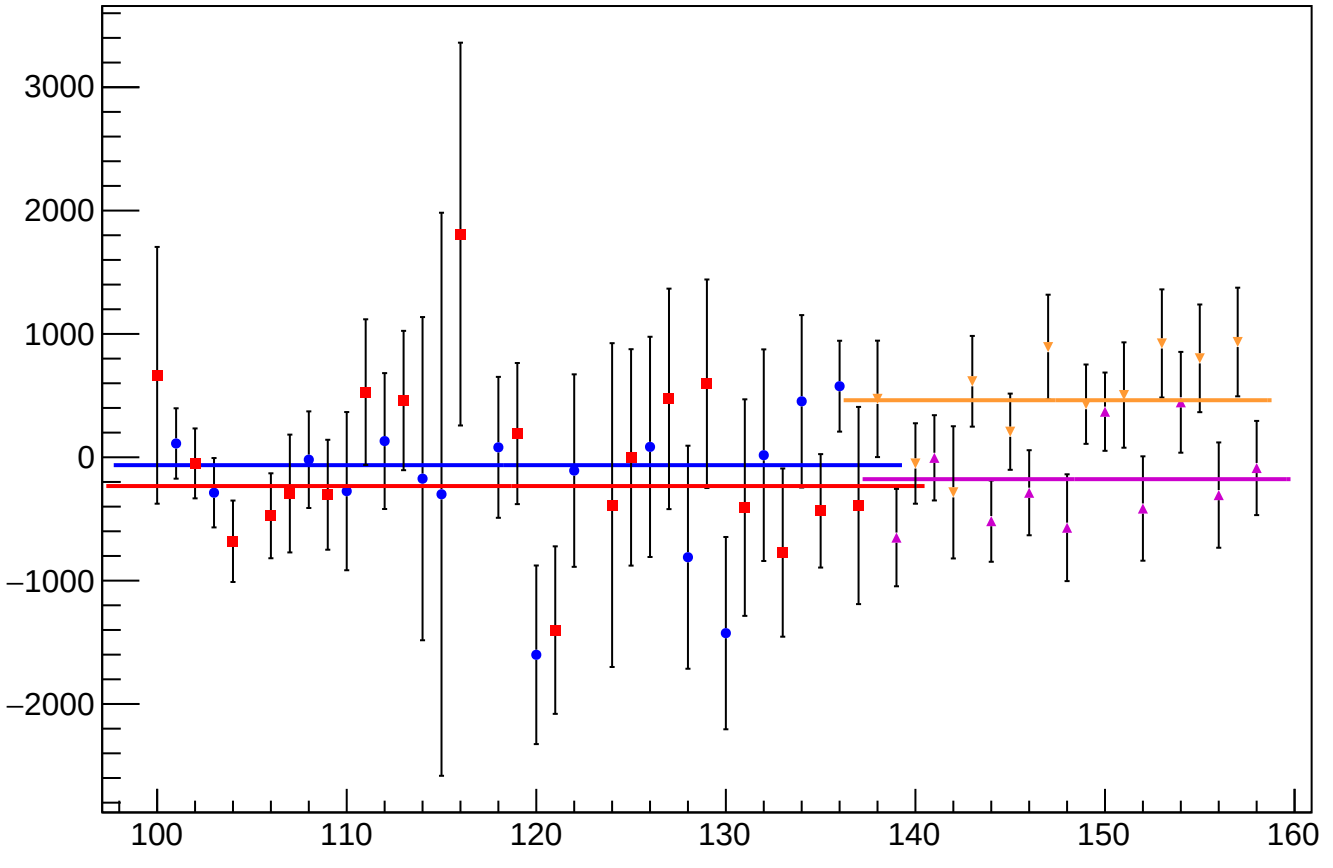
Left: 60.327+/-0.010 χ^2/NDF: 403552.3/20

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 60.961+/-0.011 χ^2/NDF:452874.5/25

Out: 60.578+/-0.011 χ^2/NDF:506384.5/29

All: 60.767+/-0.008 χ^2/NDF: 959883.1/55



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 462.588+/-118.231 χ^2/NDF:9.2/10

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -177.381+/-118.182 χ^2/NDF:9.4/9

Left: 142.471+/-83.585 χ^2/NDF: 33.3/20

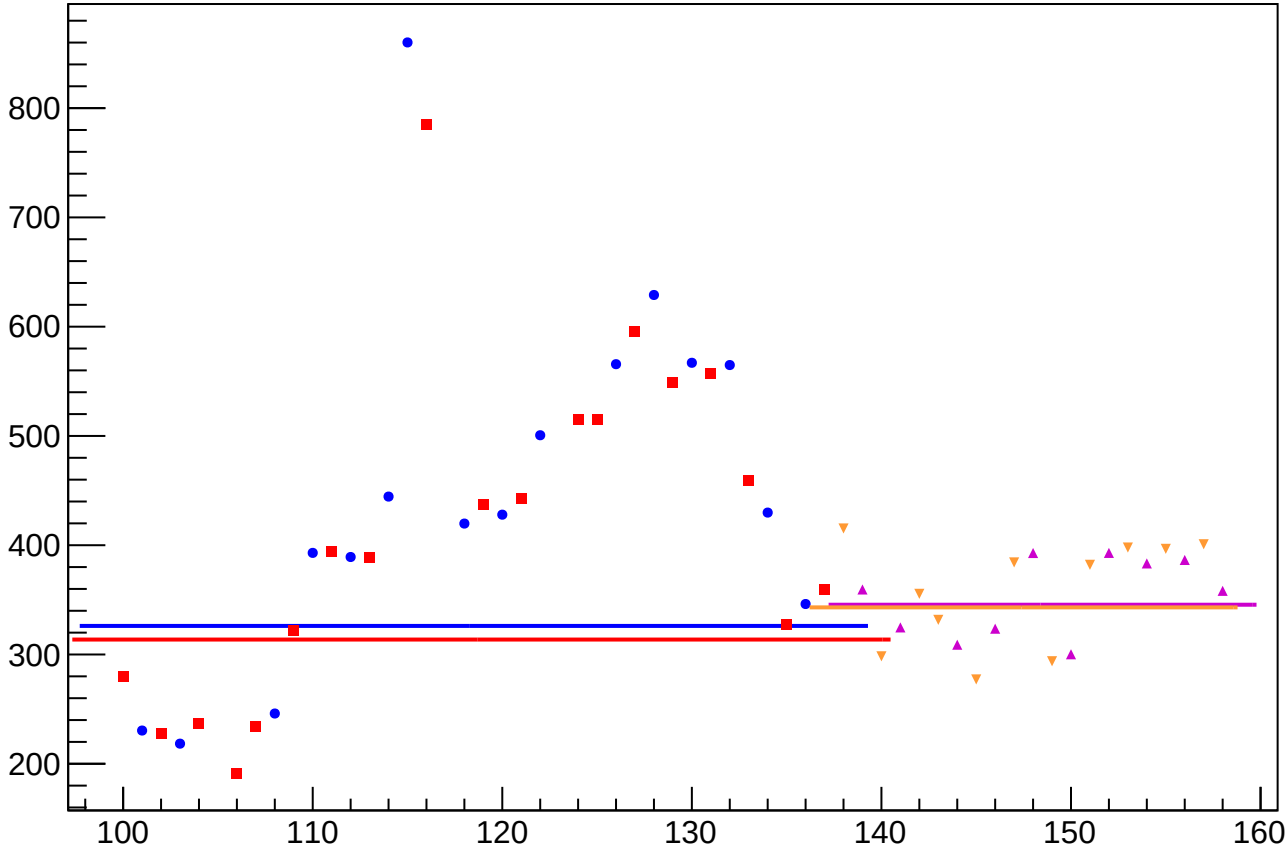
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -125.861+/-87.348 χ^2/NDF:23.1/25

Out: 127.849+/-85.169 χ^2/NDF:40.4/29

All: 4.199+/-60.979 χ^2/NDF: 67.7/55

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 343.109+/-0.084 χ^2/NDF:356766.7/10

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 345.545+/-0.084 χ^2/NDF:170075.5/9

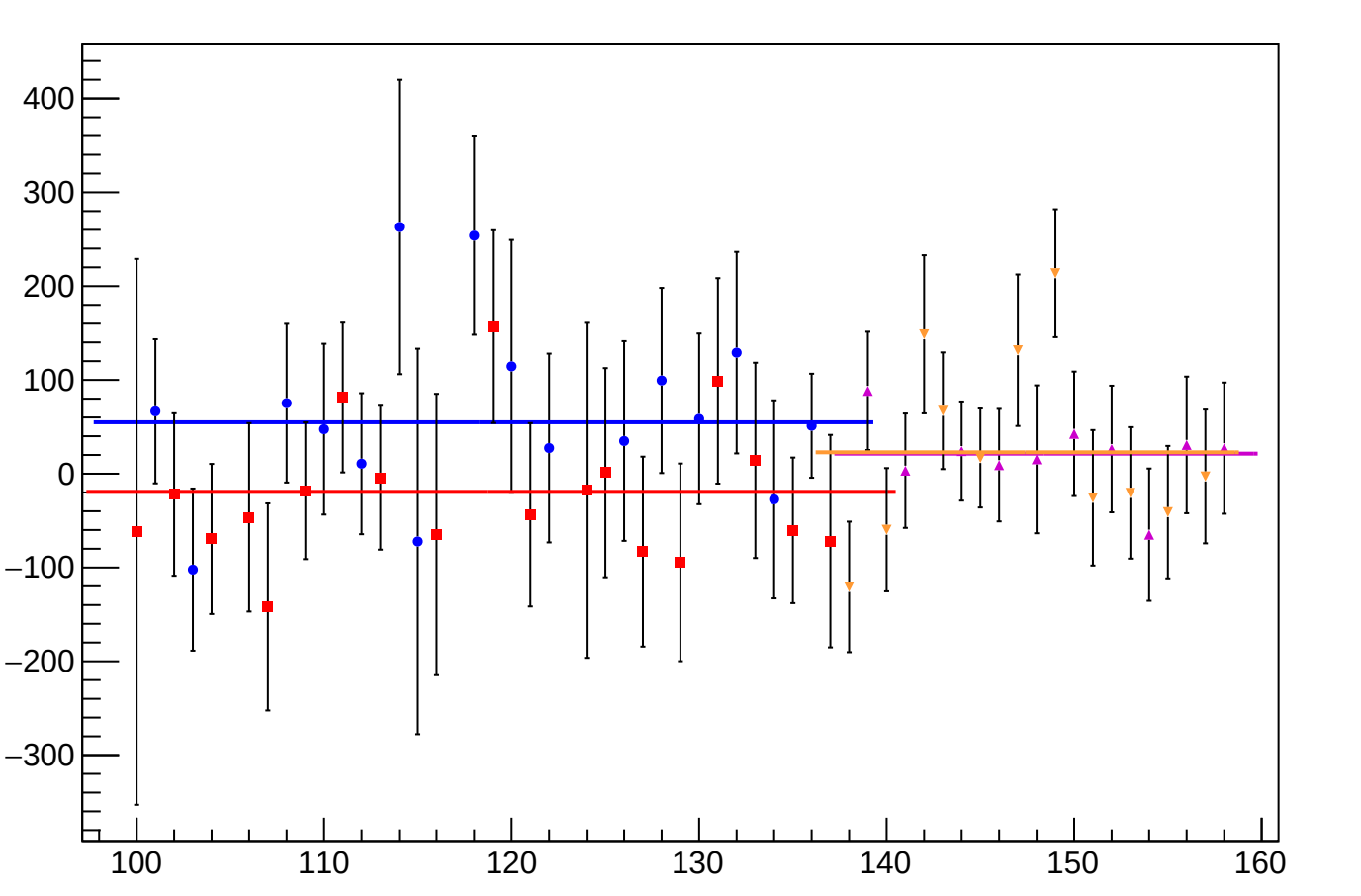
Left: 344.328+/-0.059 χ^2/NDF: 527266.9/20

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 336.744+/-0.062 χ^2/NDF:1928519.1/25

Out: 328.947+/-0.060 χ^2/NDF:2203760.7/29

All: 332.747+/-0.043 χ^2/NDF: 4140448.0/55



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 22.847+/-20.595 χ^2/NDF:20.0/10

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 21.418+/-20.595 χ^2/NDF:2.9/9

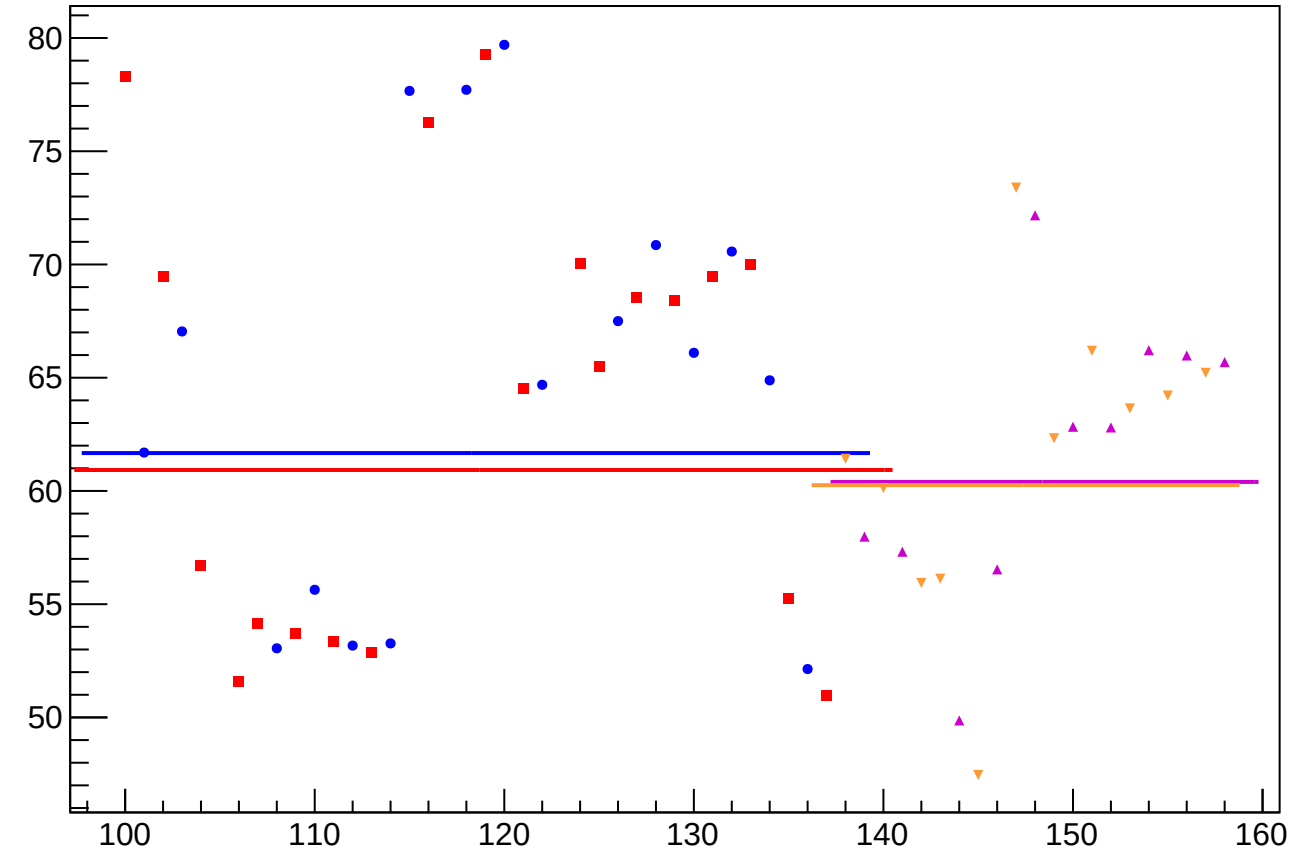
Left: 22.132+/-14.563 χ^2/NDF: 22.9/20

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 36.179+/-15.395 χ^2/NDF:15.1/25

Out: 3.690+/-15.219 χ^2/NDF:31.1/29

All: 19.747+/-10.823 χ^2/NDF: 48.4/55



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.255+/-0.015 χ^2/NDF:221117.0/10

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

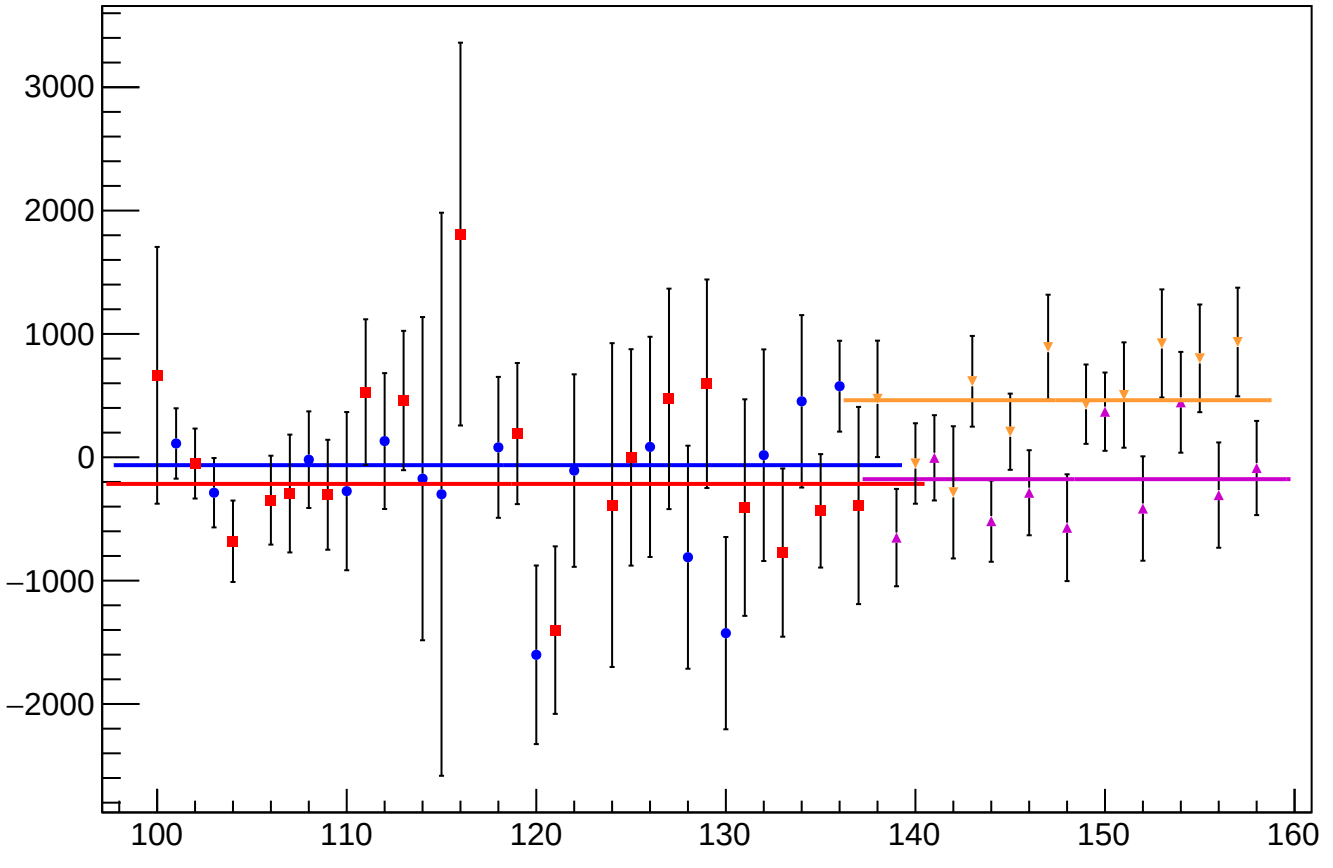
Left: 60.327+/-0.010 χ^2/NDF: 403552.3/20

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.961+/-0.011 χ^2/NDF:452874.8/25

Out: 60.560+/-0.011 χ^2/NDF:509659.2/29

All: 60.758+/-0.008 χ^2/NDF: 963220.6/55



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 462.589+/-118.231 χ^2/NDF:9.2/10

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -177.379+/-118.183 χ^2/NDF:9.4/9

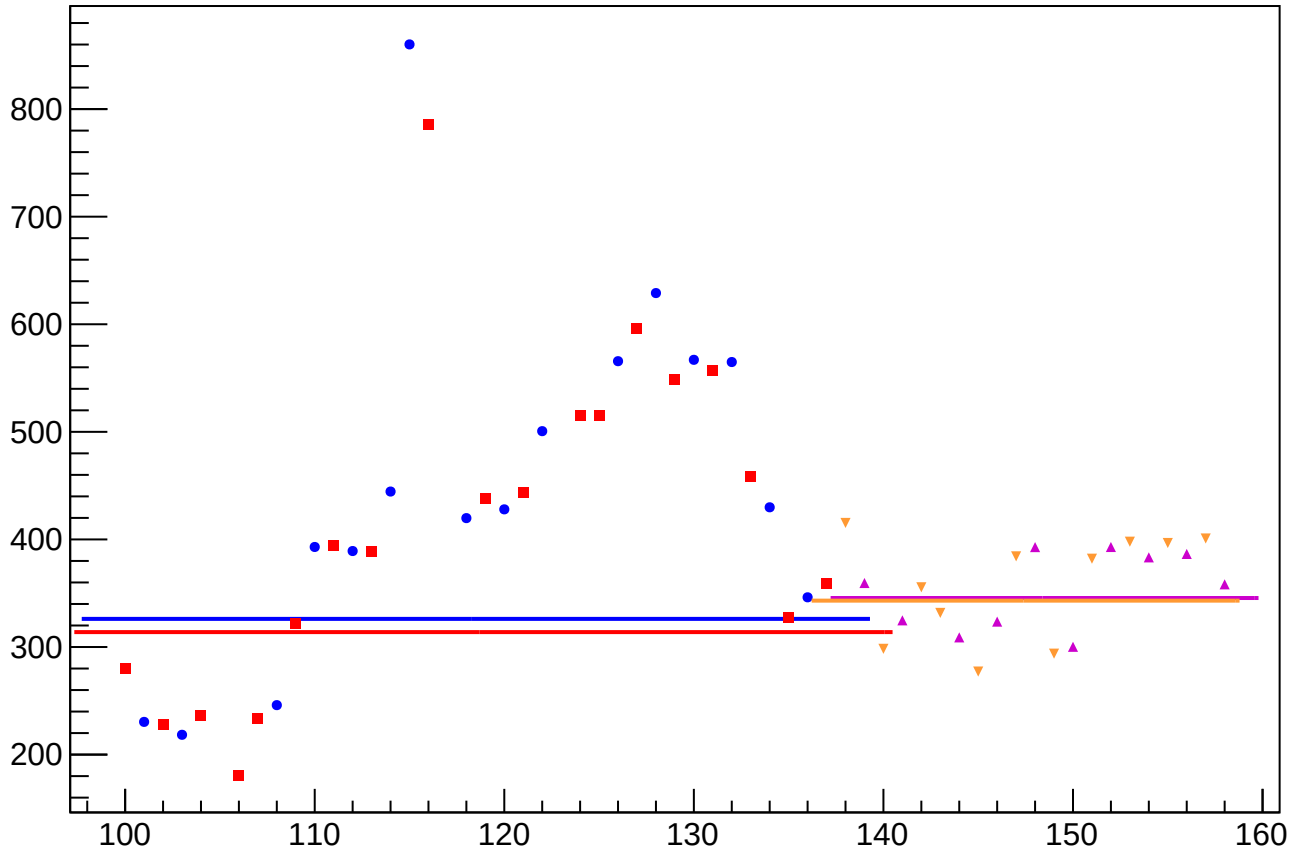
Left: 142.473+/-83.585 χ^2/NDF: 33.3/20

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -125.854+/-87.349 χ^2/NDF:23.1/25

Out: 138.096+/-85.401 χ^2/NDF:39.0/29

All: 9.096+/-61.065 χ^2/NDF: 66.8/55



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 343.109+/-0.084 χ^2/NDF:356767.0/10

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 345.546+/-0.084 χ^2/NDF:170073.6/9

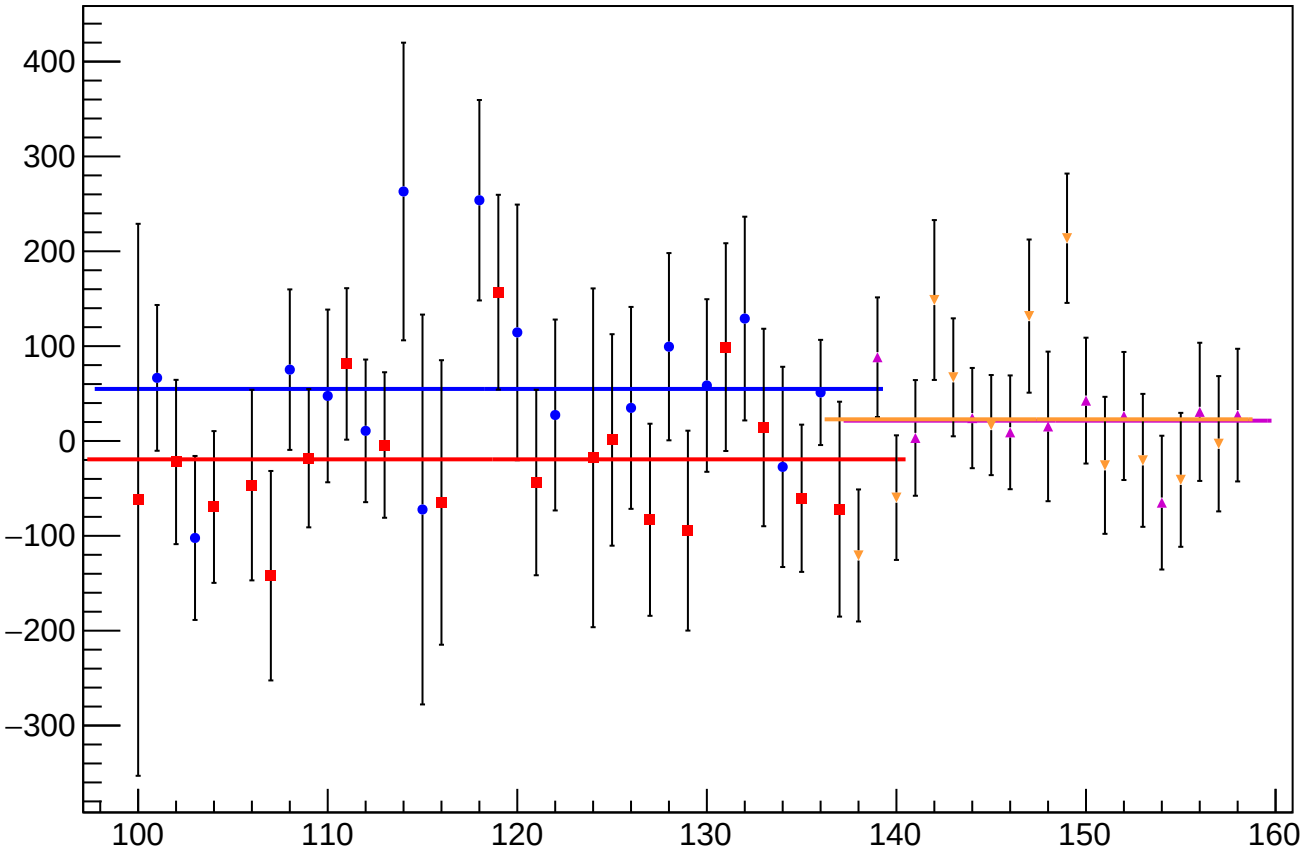
Left: 344.328+/-0.059 χ^2/NDF: 527265.3/20

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 336.745+/-0.062 χ^2/NDF:1928449.2/25

Out: 329.121+/-0.060 χ^2/NDF:2221083.2/29

All: 332.847+/-0.043 χ^2/NDF: 4157322.5/55



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 22.847+/-20.595 χ^2/NDF:20.0/10

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 21.418+/-20.595 χ^2/NDF:2.9/9

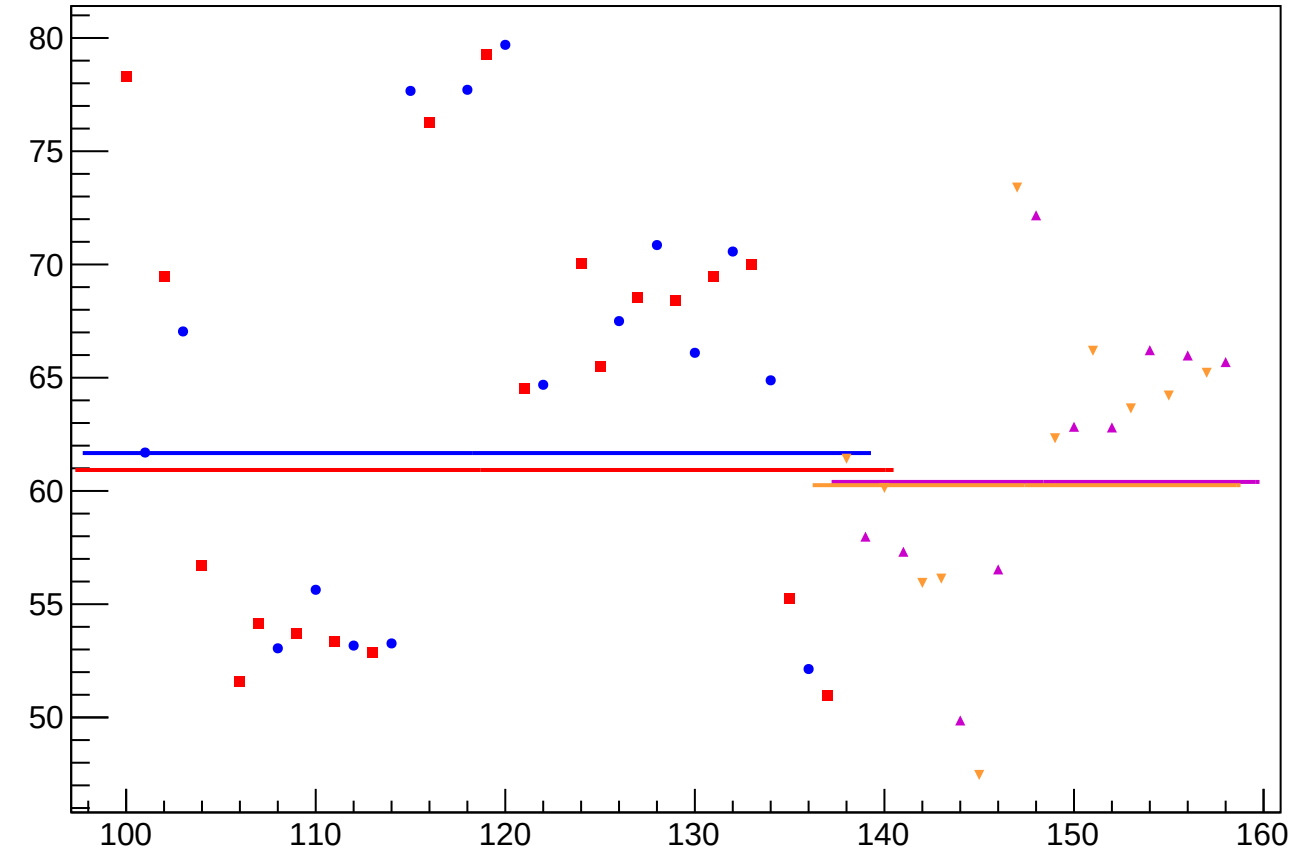
Left: 22.132+/-14.563 χ^2/NDF: 22.9/20

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 36.179+/-15.395 χ^2/NDF:15.1/25

Out: 3.690+/-15.219 χ^2/NDF:31.1/29

All: 19.747+/-10.823 χ^2/NDF: 48.4/55



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.255+/-0.015 χ^2/NDF:221117.0/10

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

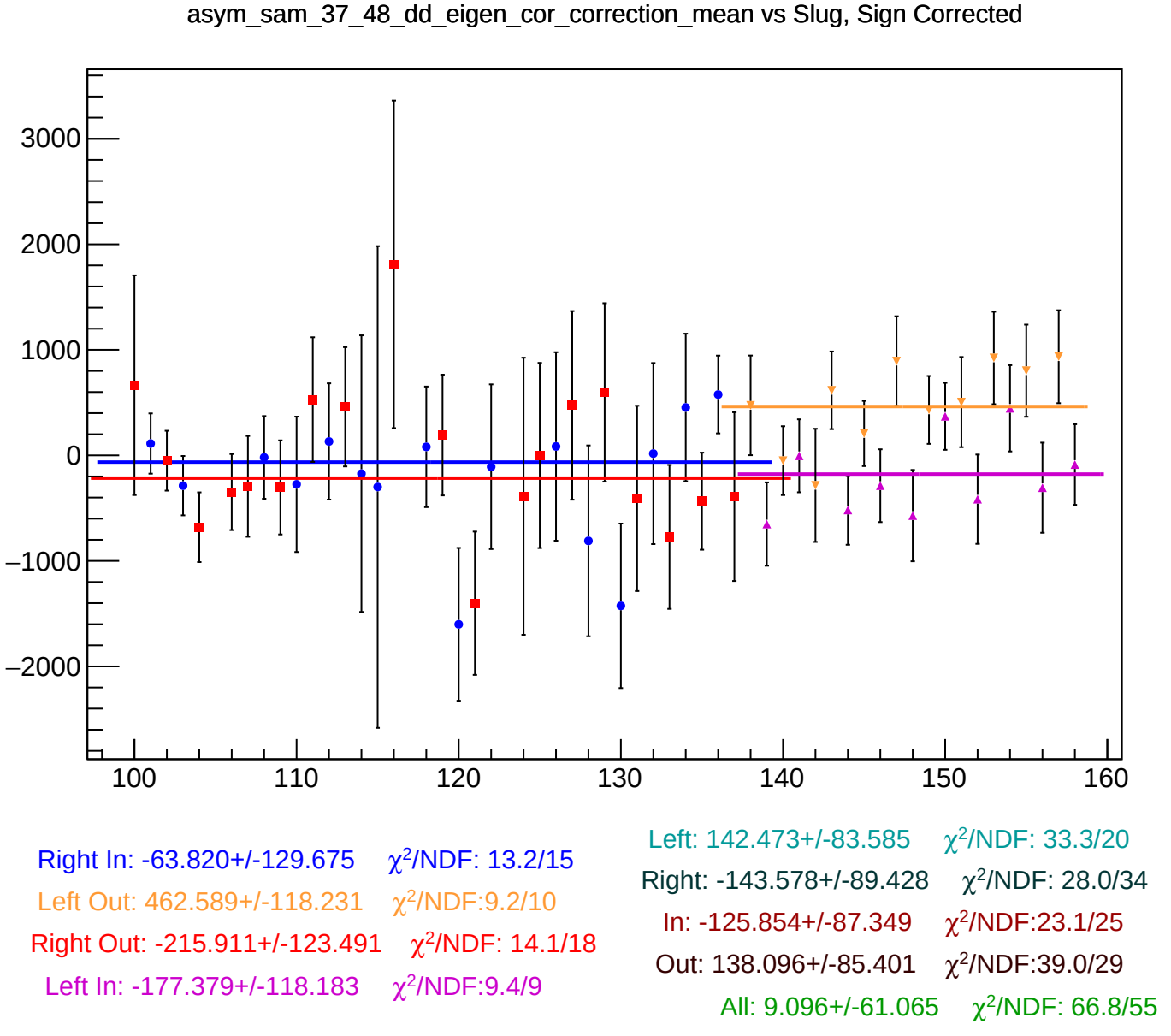
Left: 60.327+/-0.010 χ^2/NDF: 403552.3/20

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

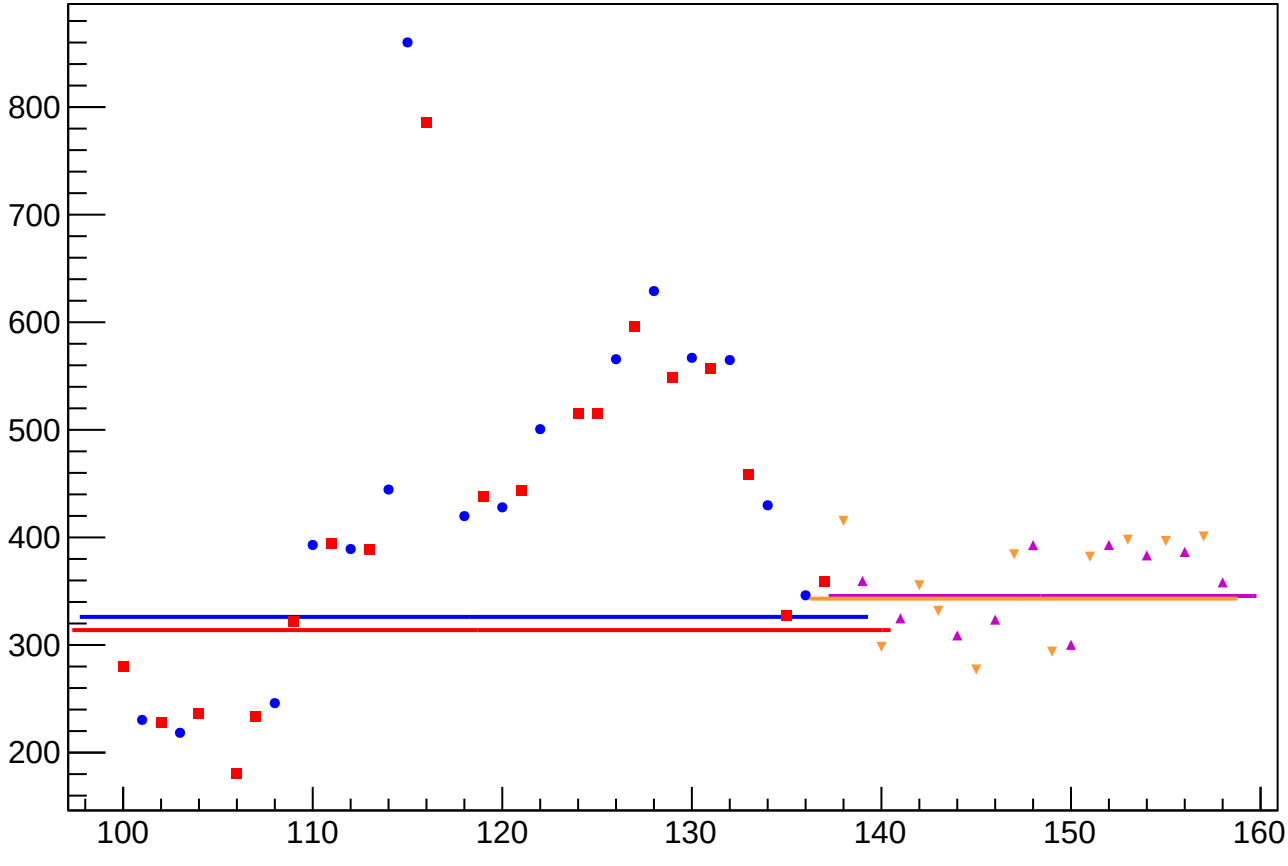
In: 60.961+/-0.011 χ^2/NDF:452874.8/25

Out: 60.560+/-0.011 χ^2/NDF:509659.2/29

All: 60.758+/-0.008 χ^2/NDF: 963220.6/55


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 462.589+/-118.231 χ²/NDF:9.2/10
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -177.379+/-118.183 χ²/NDF:9.4/9
Left: 142.473+/-83.585 χ²/NDF: 33.3/20
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -125.854+/-87.349 χ²/NDF:23.1/25
Out: 138.096+/-85.401 χ²/NDF:39.0/29
All: 9.096+/-61.065 χ²/NDF: 66.8/55

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: 343.109+/-0.084 χ^2/NDF:356767.0/10

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 345.546+/-0.084 χ^2/NDF:170073.6/9

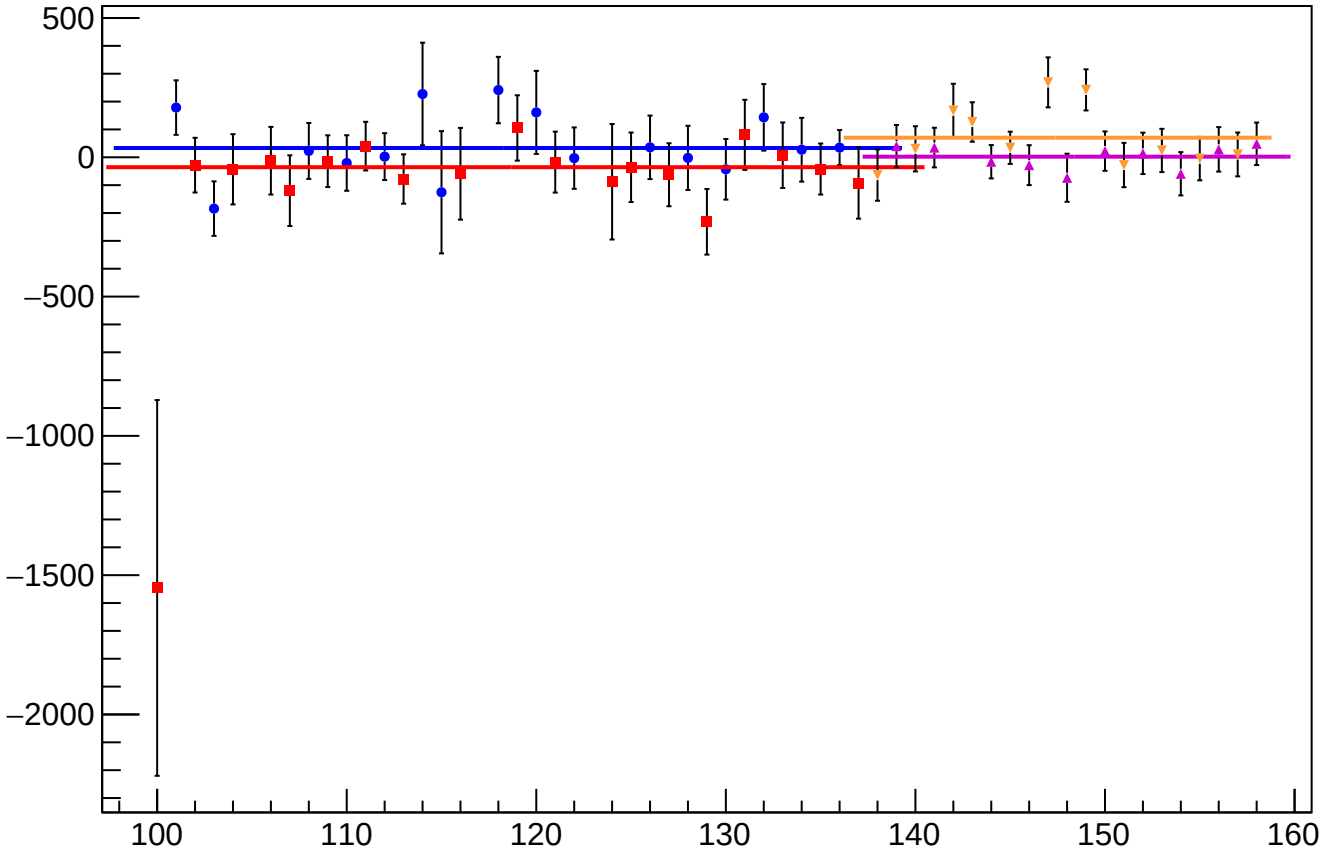
Left: 344.328+/-0.059 χ^2/NDF: 527265.3/20

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 336.745+/-0.062 χ^2/NDF:1928449.2/25

Out: 329.121+/-0.060 χ^2/NDF:2221083.2/29

All: 332.847+/-0.043 χ^2/NDF: 4157322.5/55



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 70.325+/-23.364 χ^2/NDF:18.1/10

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 2.211+/-23.216 χ^2/NDF:2.7/9

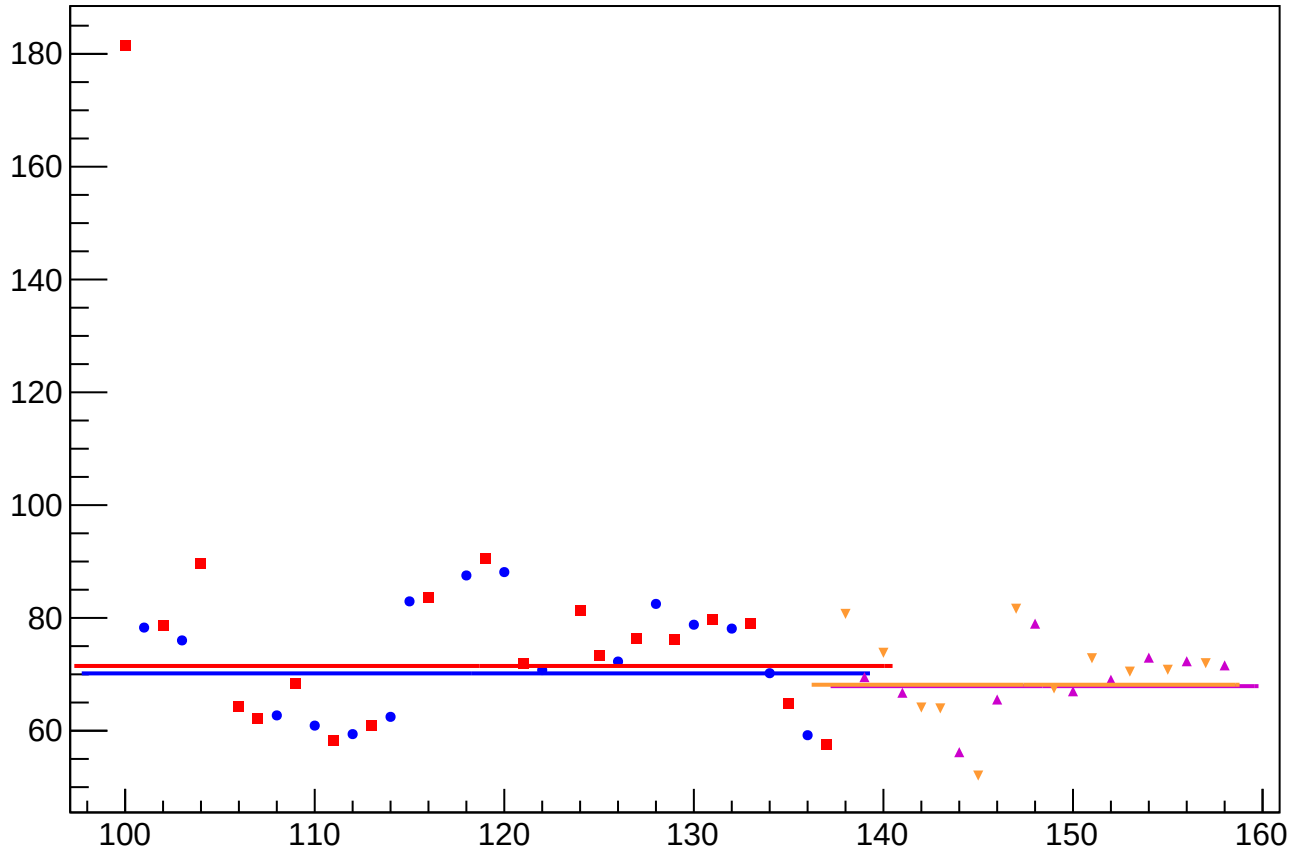
Left: 36.051+/-16.468 χ^2/NDF: 25.1/20

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 15.803+/-17.438 χ^2/NDF:18.0/25

Out: 24.078+/-17.536 χ^2/NDF:39.1/29

All: 19.918+/-12.365 χ^2/NDF: 57.3/55



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.156+/-0.017 χ^2/NDF:273057.8/10

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 67.905+/-0.016 χ^2/NDF:133047.4/9

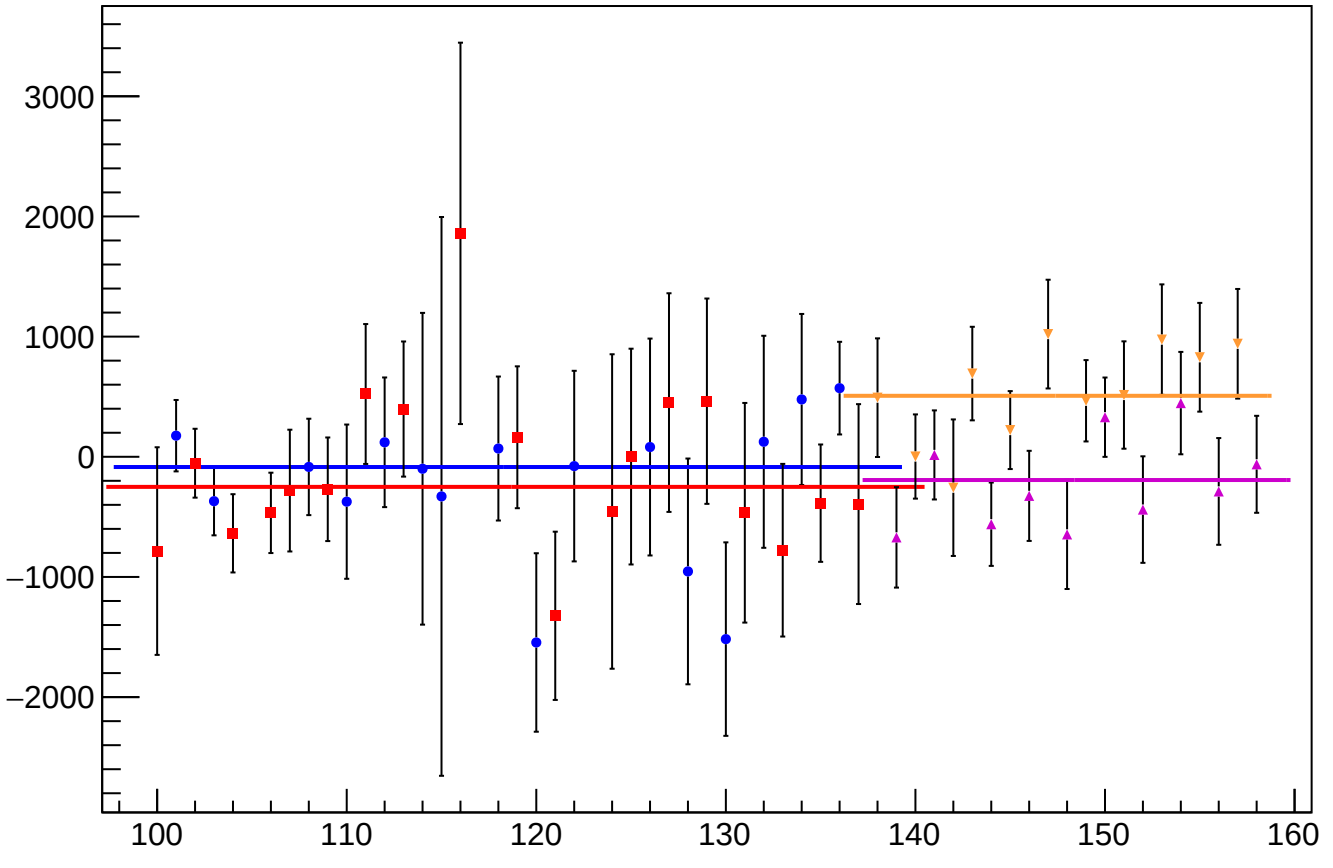
Left: 68.030+/-0.012 χ^2/NDF: 406221.3/20

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 68.891+/-0.012 χ^2/NDF:410575.0/25

Out: 69.609+/-0.012 χ^2/NDF:616485.2/29

All: 69.248+/-0.009 χ^2/NDF: 1028745.9/55



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 507.521+/-124.517 χ^2/NDF:8.6/10

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -193.423+/-124.740 χ^2/NDF:9.1/9

Left: 157.678+/-88.126 χ^2/NDF: 33.5/20

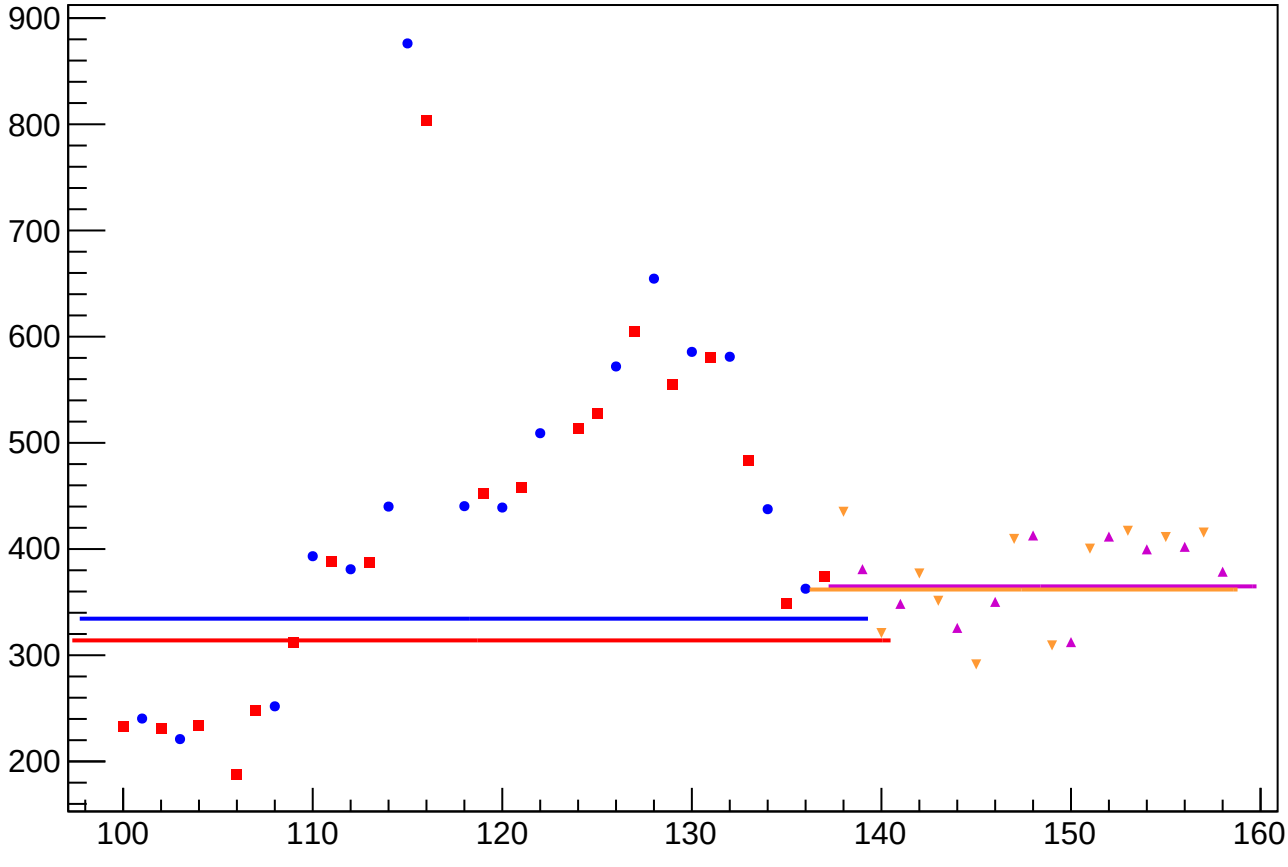
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -142.719+/-90.945 χ^2/NDF:23.1/25

Out: 124.824+/-87.614 χ^2/NDF:39.8/29

All: -3.958+/-63.097 χ^2/NDF: 67.4/55

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: 361.890+/-0.088 χ^2/NDF:334671.8/10

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 364.851+/-0.088 χ^2/NDF:160446.7/9

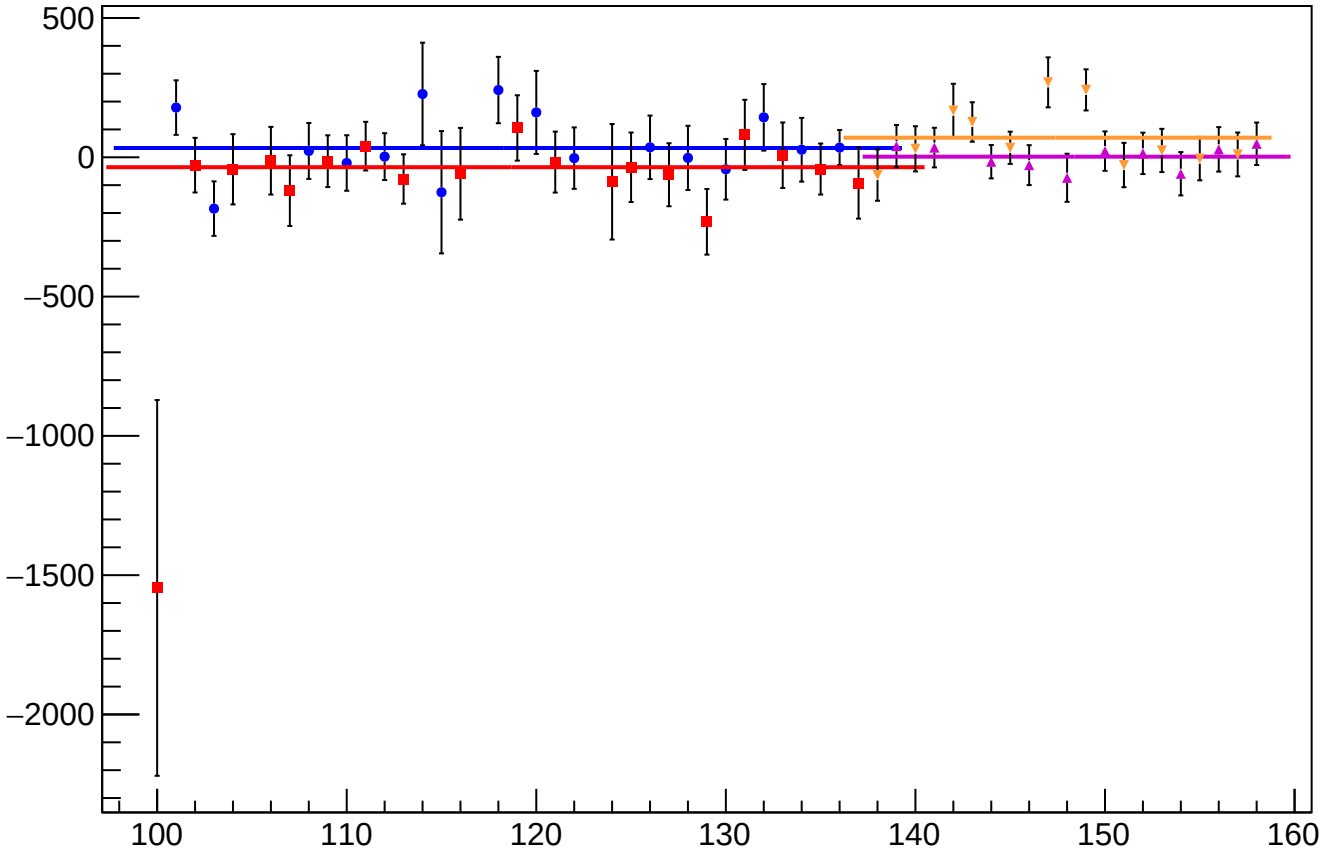
Left: 363.368+/-0.062 χ^2/NDF: 495682.9/20

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 350.601+/-0.064 χ^2/NDF:1946774.2/25

Out: 337.696+/-0.062 χ^2/NDF:2388830.5/29

All: 343.907+/-0.045 χ^2/NDF: 4356491.0/55



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 70.325+/-23.364 χ^2/NDF:18.1/10

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 2.212+/-23.216 χ^2/NDF:2.7/9

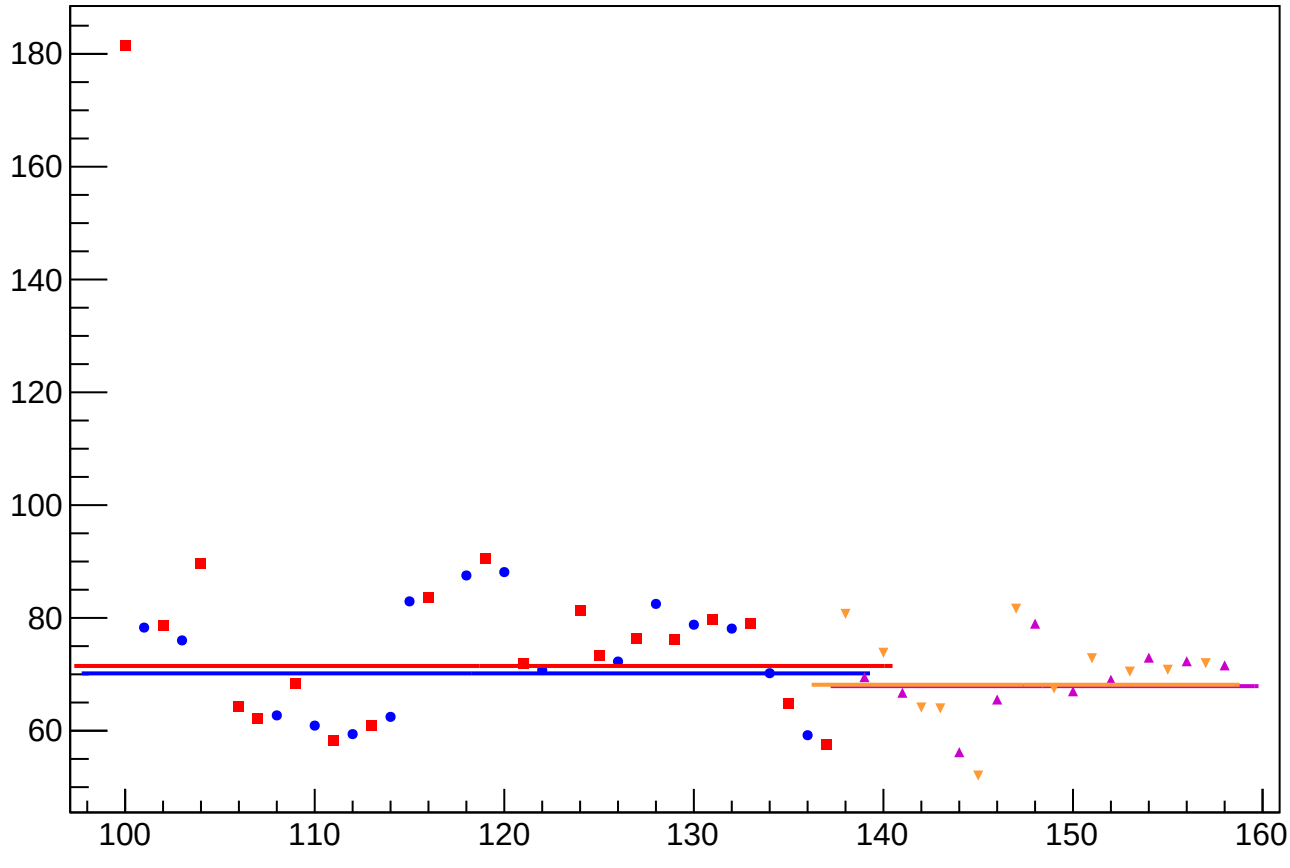
Left: 36.051+/-16.468 χ^2/NDF: 25.1/20

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 15.803+/-17.438 χ^2/NDF:18.0/25

Out: 24.078+/-17.536 χ^2/NDF:39.1/29

All: 19.917+/-12.365 χ^2/NDF: 57.3/55



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.156+/-0.017 χ^2/NDF:273062.2/10

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 67.905+/-0.016 χ^2/NDF:133048.5/9

Left: 68.029+/-0.012 χ^2/NDF: 406226.7/20

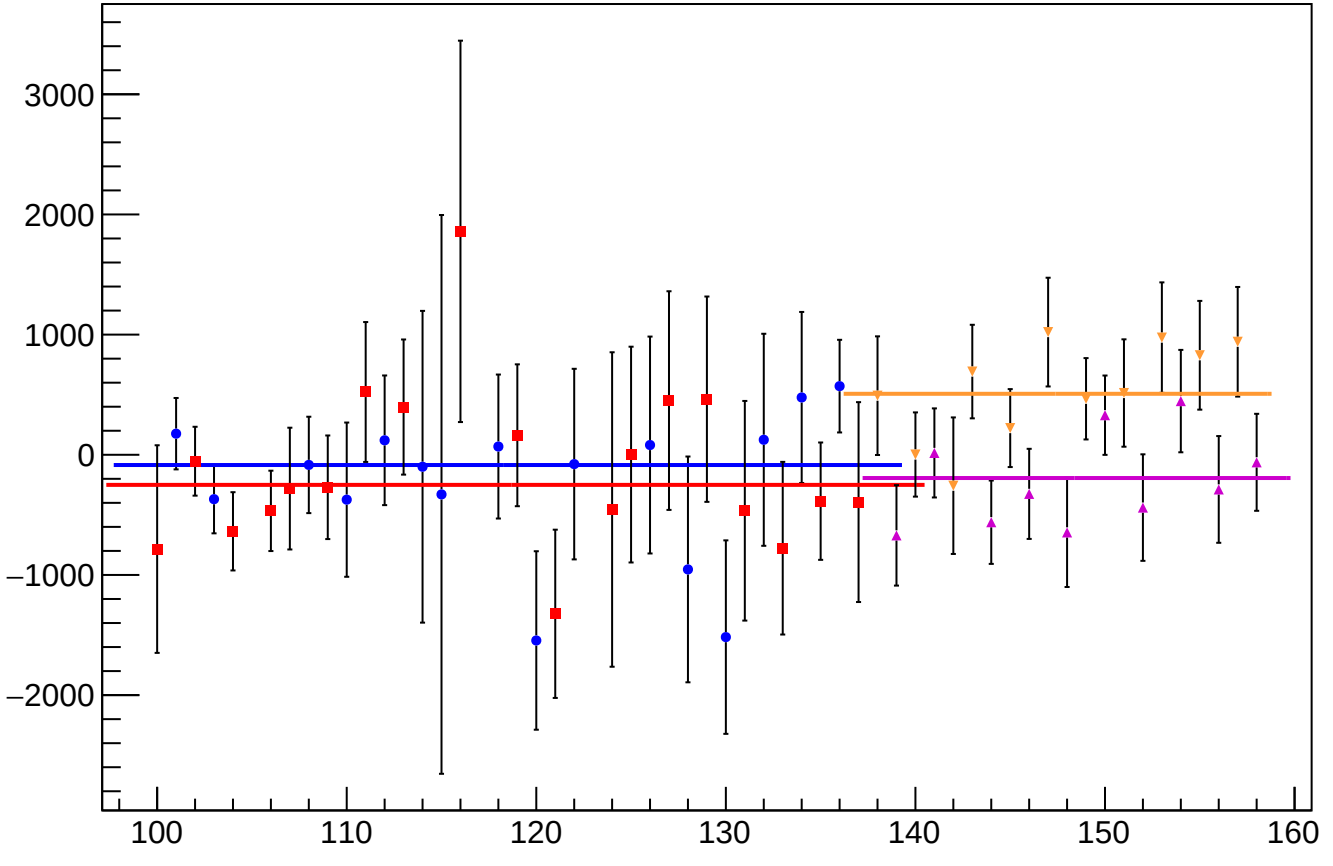
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 68.891+/-0.012 χ^2/NDF:410580.0/25

Out: 69.609+/-0.012 χ^2/NDF:616497.5/29

All: 69.248+/-0.009 χ^2/NDF: 1028763.0/55

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: 507.520+/-124.517 χ^2/NDF:8.6/10

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -193.423+/-124.740 χ^2/NDF:9.1/9

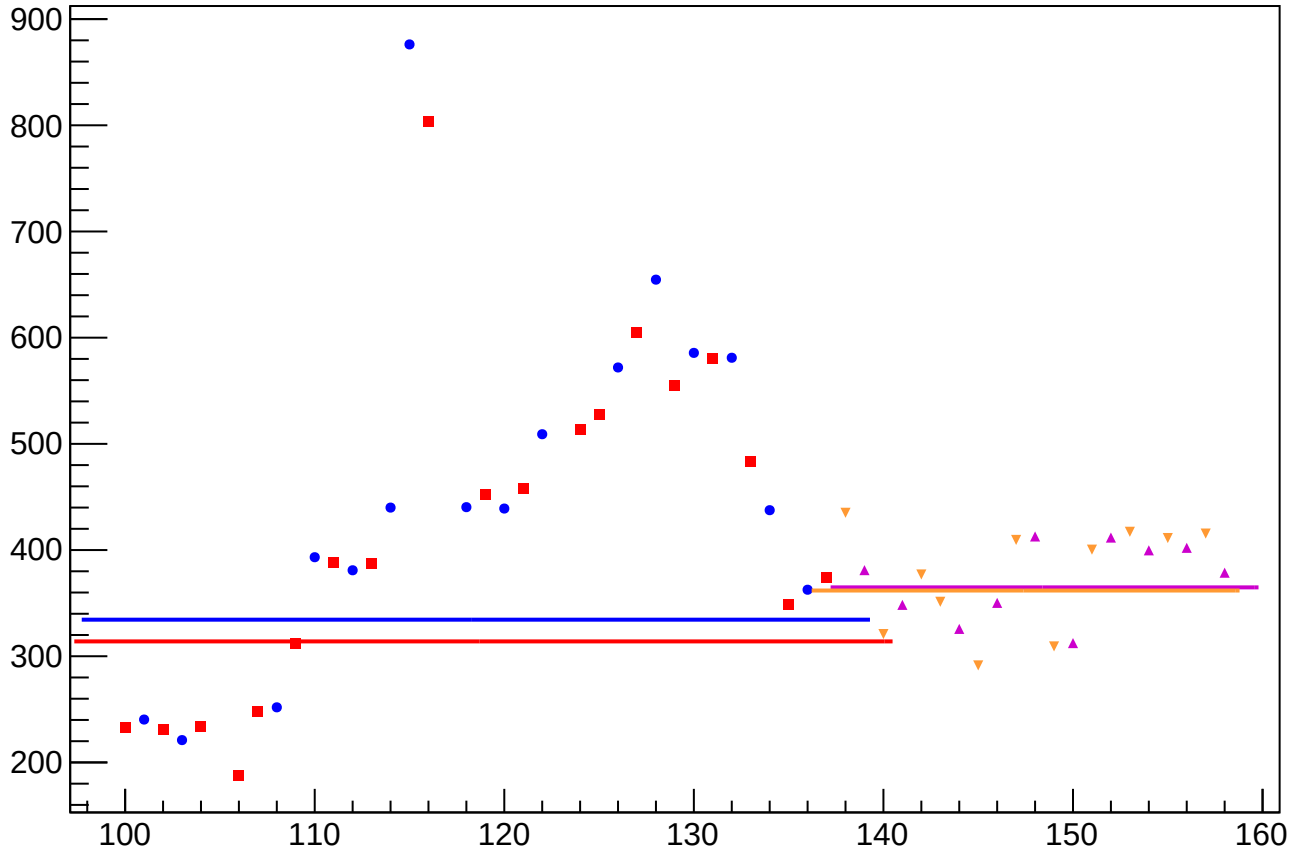
Left: 157.678+/-88.126 χ^2/NDF: 33.5/20

Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -142.719+/-90.945 χ^2/NDF:23.1/25

Out: 124.823+/-87.614 χ^2/NDF:39.8/29

All: -3.958+/-63.097 χ^2/NDF: 67.4/55



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 361.890+/-0.088 χ^2/NDF:334675.3/10

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 364.851+/-0.088 χ^2/NDF:160446.4/9

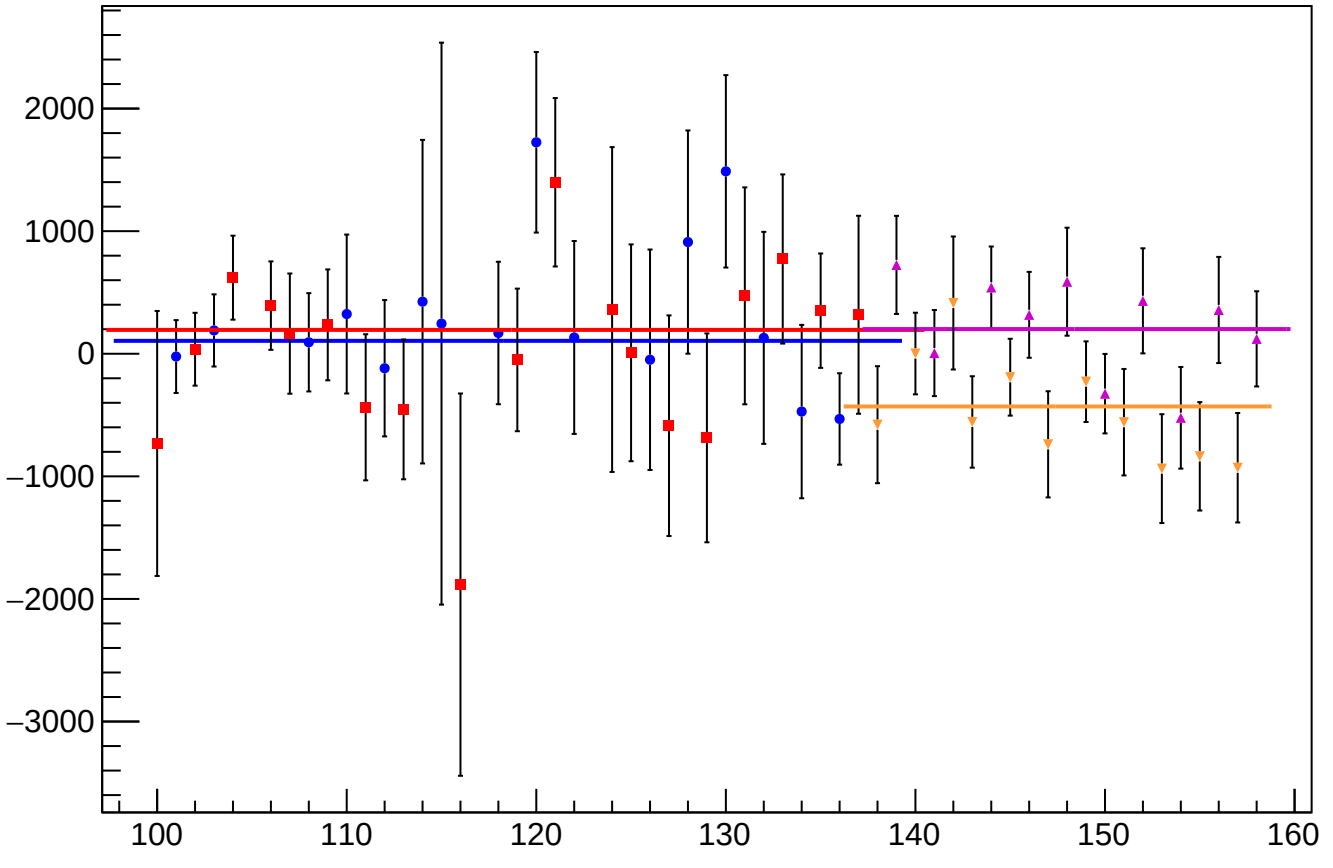
Left: 363.368+/-0.062 χ^2/NDF: 495686.2/20

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 350.601+/-0.064 χ^2/NDF:1946772.3/25

Out: 337.695+/-0.062 χ^2/NDF:2388831.4/29

All: 343.907+/-0.045 χ^2/NDF: 4356490.7/55



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -429.739+/-120.149 χ^2/NDF:9.3/10

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 201.332+/-120.061 χ^2/NDF:10.1/9

Left: -113.971+/-84.927 χ^2/NDF: 33.2/20

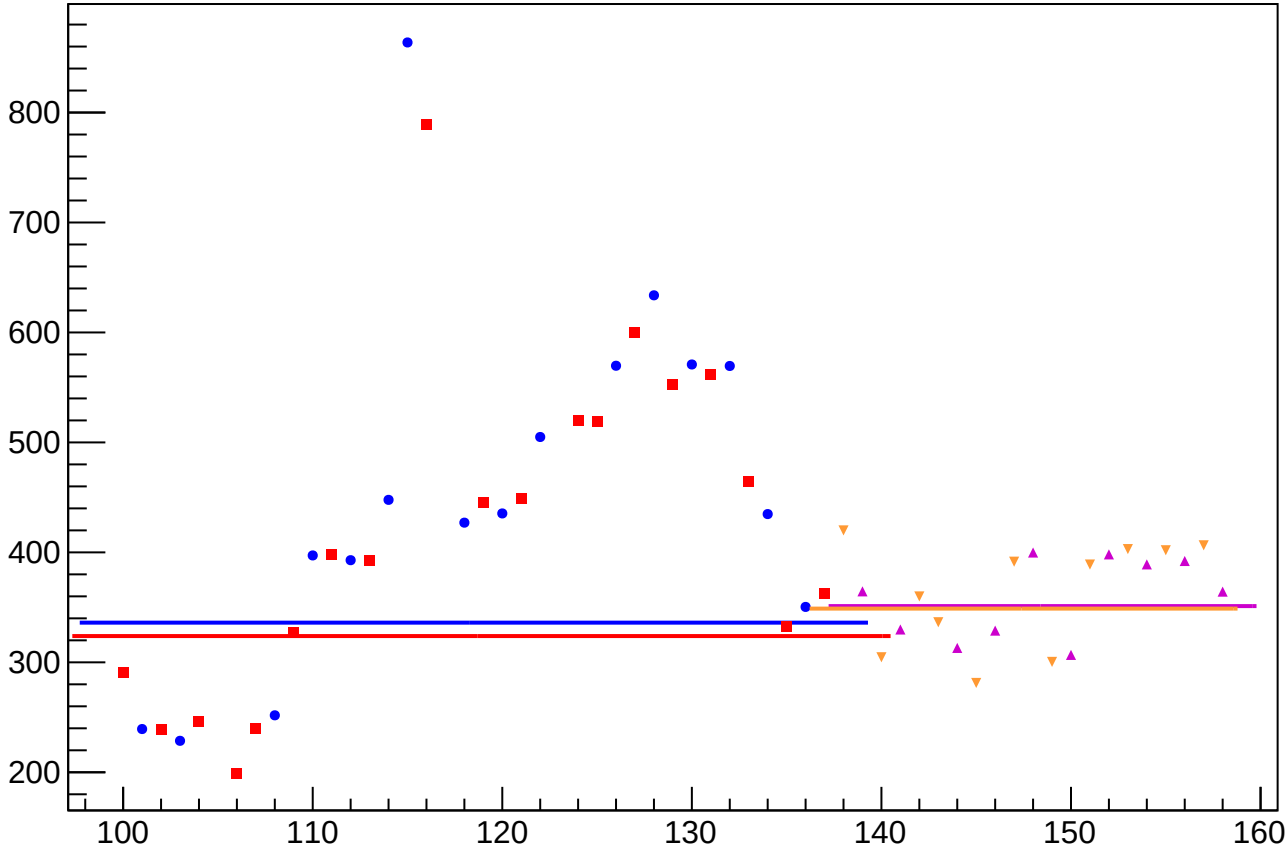
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 158.270+/-89.134 χ^2/NDF:23.3/25

Out: -132.838+/-87.018 χ^2/NDF:35.3/29

All: 9.220+/-62.266 χ^2/NDF: 64.0/55

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 348.857+/-0.085 χ^2/NDF:347527.6/10

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 351.140+/-0.085 χ^2/NDF:166642.9/9

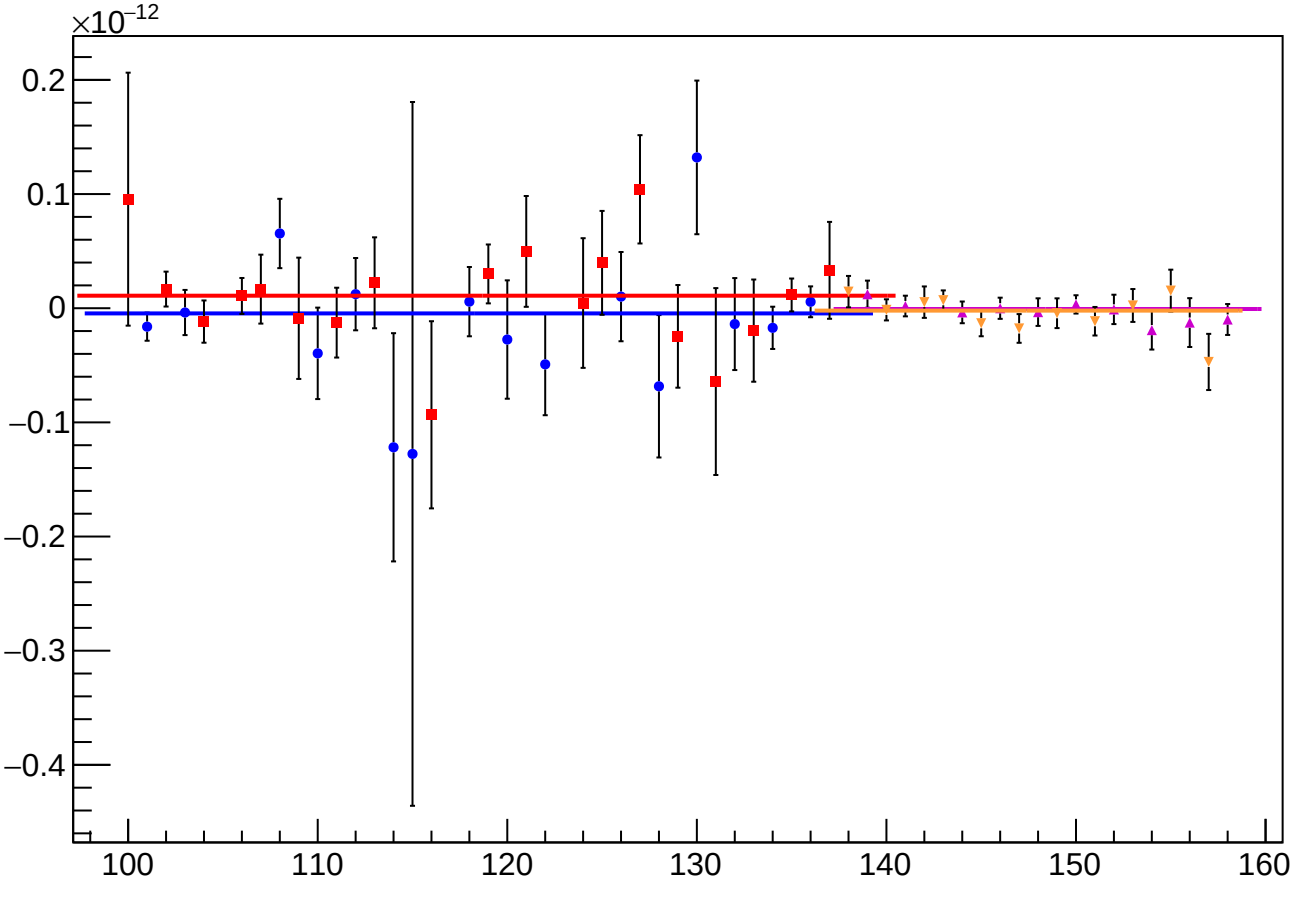
Left: 349.999+/-0.060 χ^2/NDF: 514531.7/20

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 344.386+/-0.063 χ^2/NDF:1799741.5/25

Out: 336.984+/-0.062 χ^2/NDF:2054026.5/29

All: 340.596+/-0.044 χ^2/NDF: 3860829.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/9

Left: -0.000+/-0.000 χ^2/NDF: 14.0/20

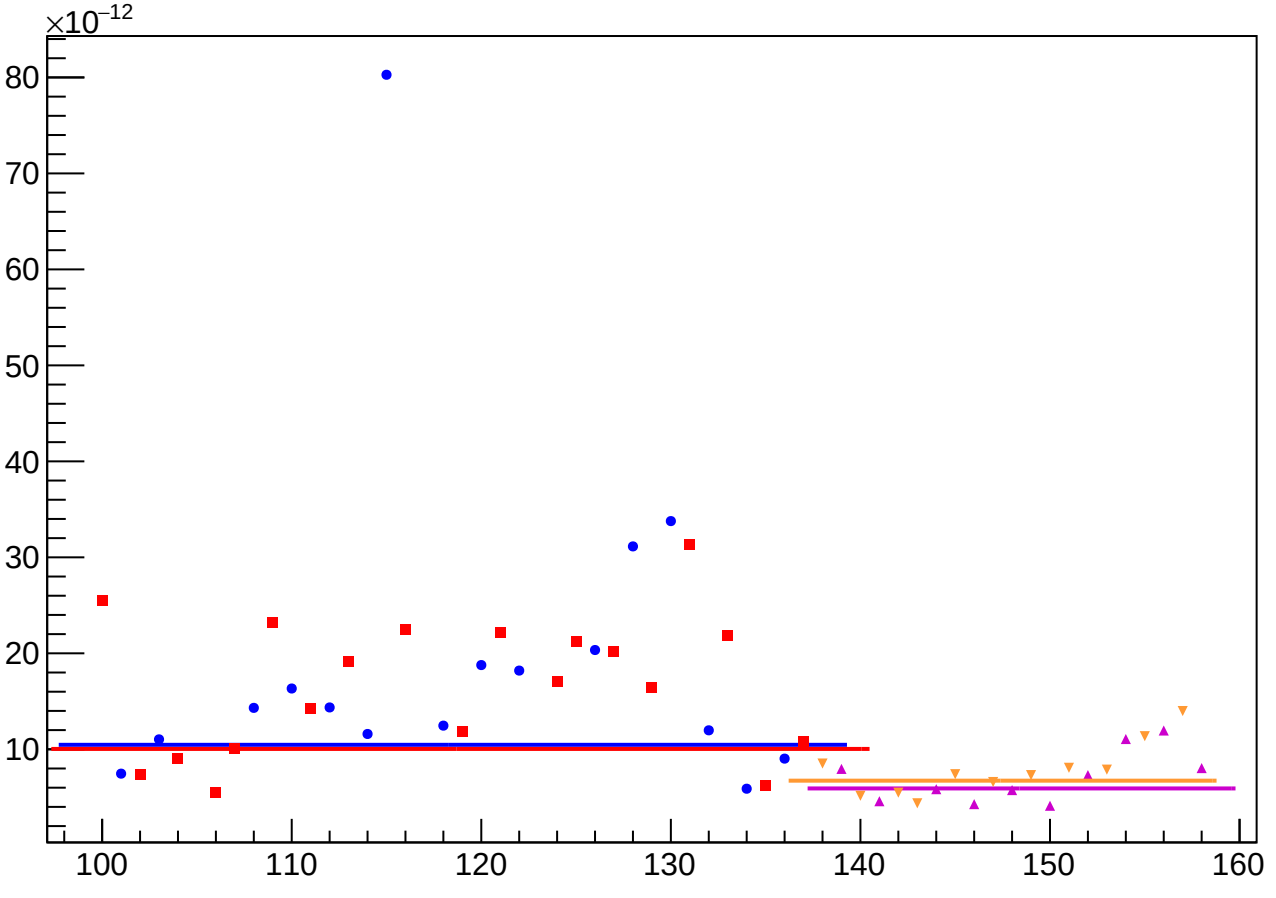
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.4/25

Out: 0.000+/-0.000 χ^2/NDF:25.8/29

All: -0.000+/-0.000 χ^2/NDF: 46.6/55

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:606646.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:680050.2/9

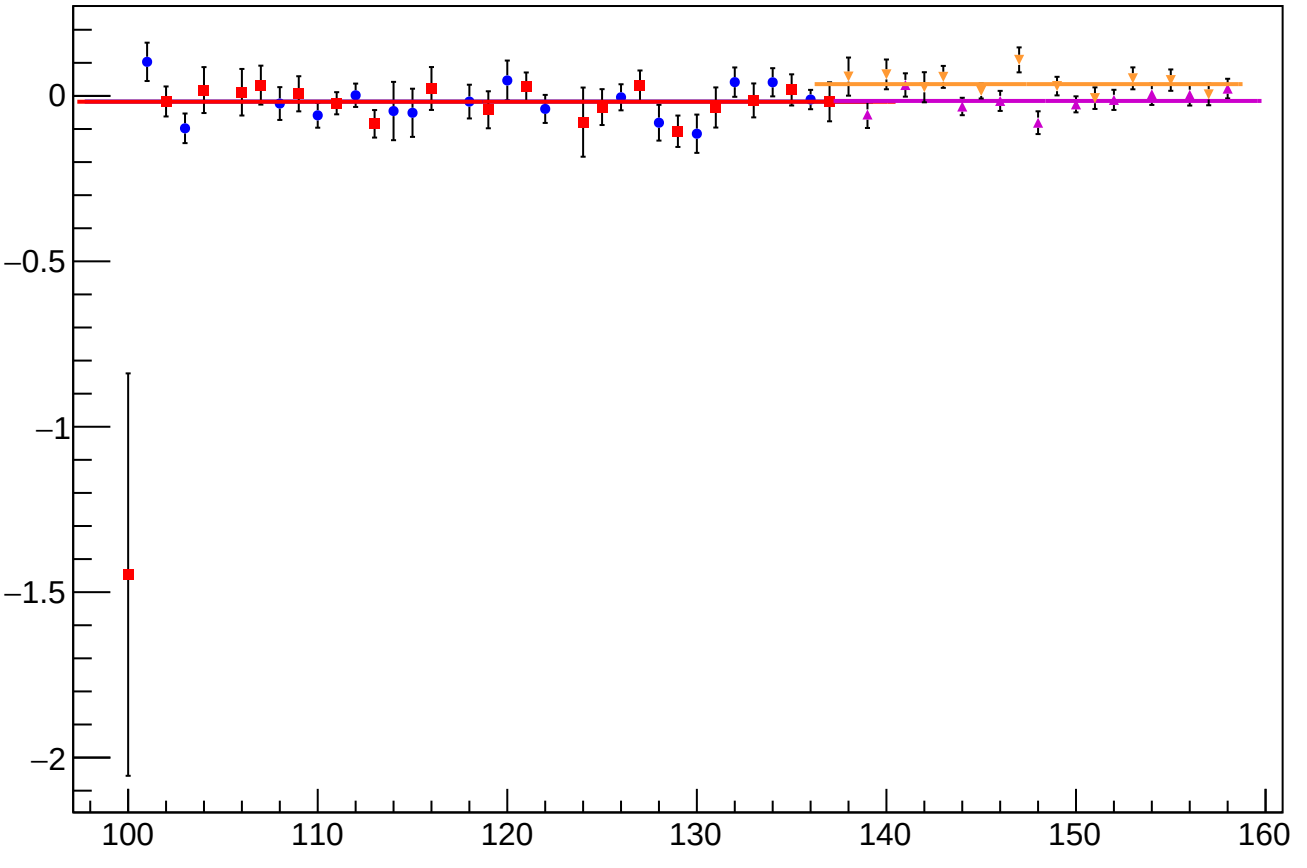
Left: 0.000+/-0.000 χ^2/NDF: 1336792.7/20

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2631724.3/25

Out: 0.000+/-0.000 χ^2/NDF:2419186.3/29

All: 0.000+/-0.000 χ^2/NDF: 5088659.1/55



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.015+/-0.010 χ^2/NDF:9.4/9

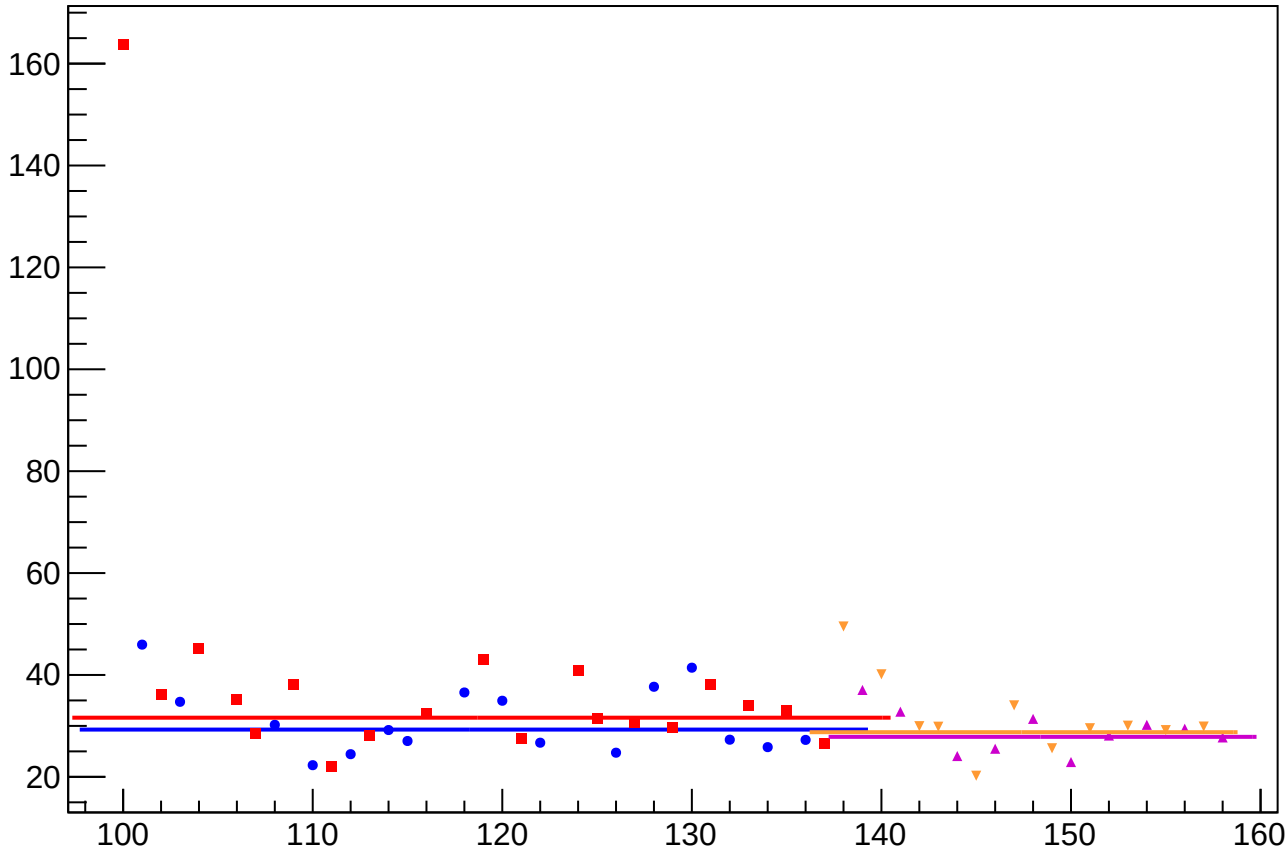
Left: 0.009+/-0.007 χ^2/NDF: 31.3/20

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.016+/-0.007 χ^2/NDF:28.2/25

Out: 0.014+/-0.008 χ^2/NDF:36.9/29

All: -0.002+/-0.005 χ^2/NDF: 72.9/55



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.767+/-0.007 χ^2/NDF:741828.9/10

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.852+/-0.007 χ^2/NDF:313504.5/9

Left: 28.292+/-0.005 χ^2/NDF: 1063876.6/20

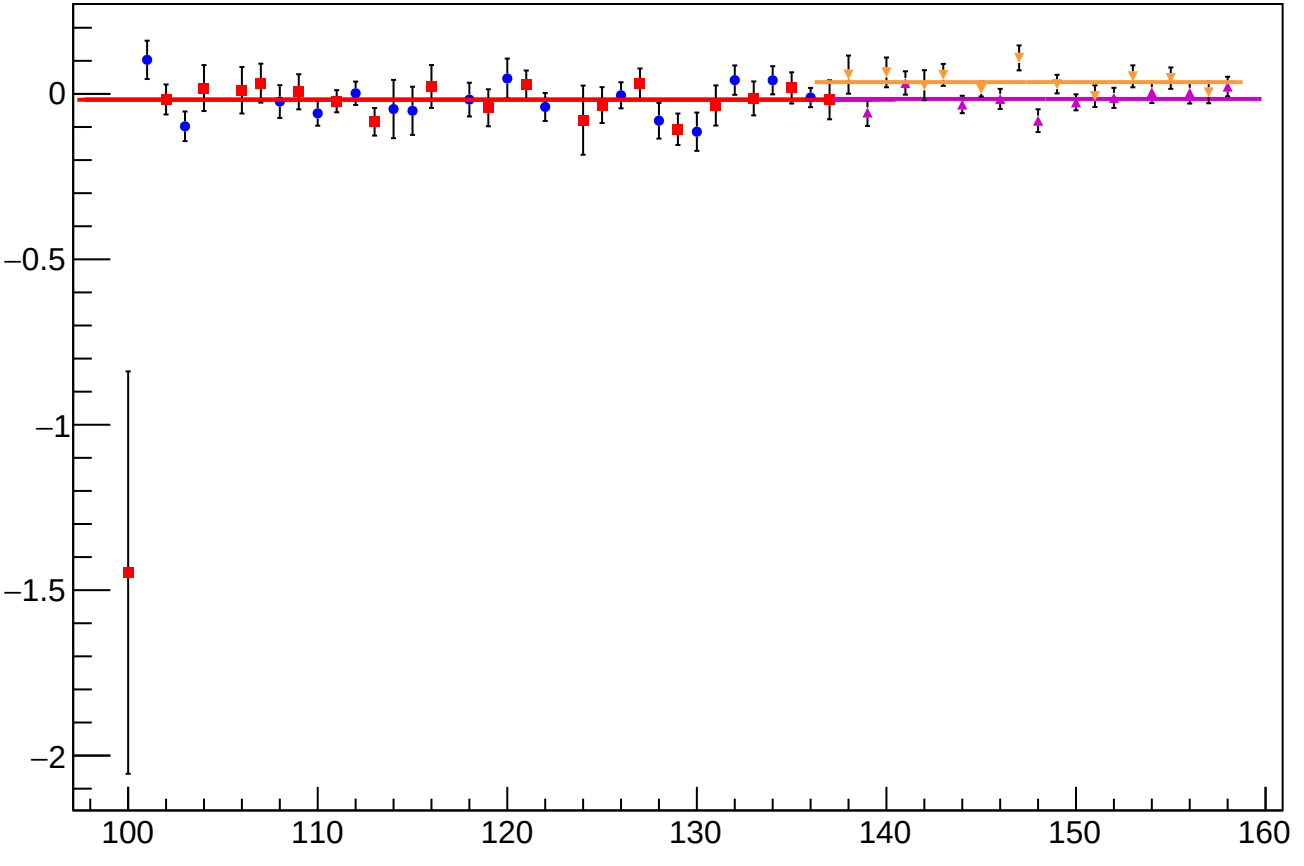
Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.455+/-0.005 χ^2/NDF:892402.1/25

Out: 29.935+/-0.005 χ^2/NDF:1379262.7/29

All: 29.159+/-0.004 χ^2/NDF: 2309910.7/55

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.015+/-0.010 χ^2/NDF:9.4/9

Left: 0.009+/-0.007 χ^2/NDF: 31.3/20

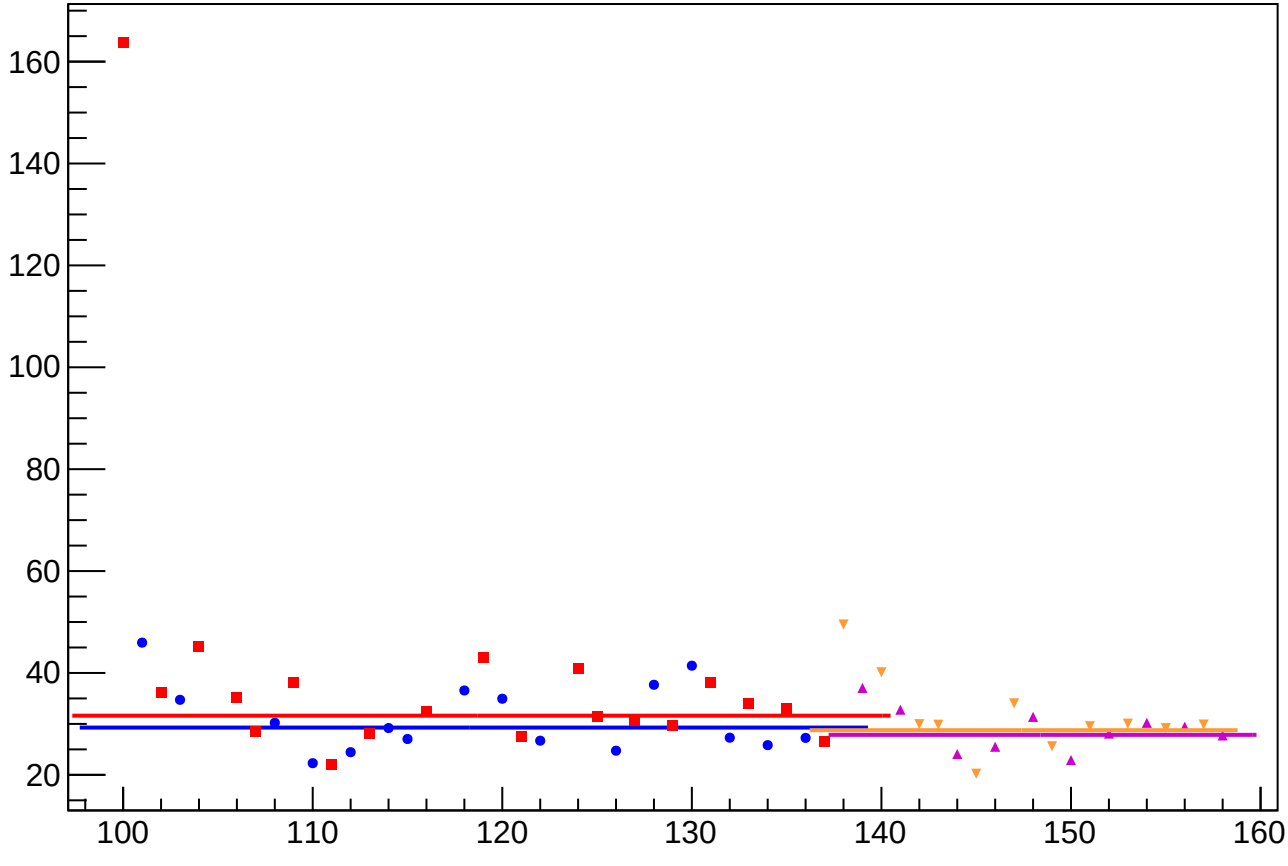
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.016+/-0.007 χ^2/NDF:28.2/25

Out: 0.014+/-0.008 χ^2/NDF:36.9/29

All: -0.002+/-0.005 χ^2/NDF: 72.9/55

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.767+/-0.007 χ^2/NDF:741828.9/10

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.852+/-0.007 χ^2/NDF:313504.5/9

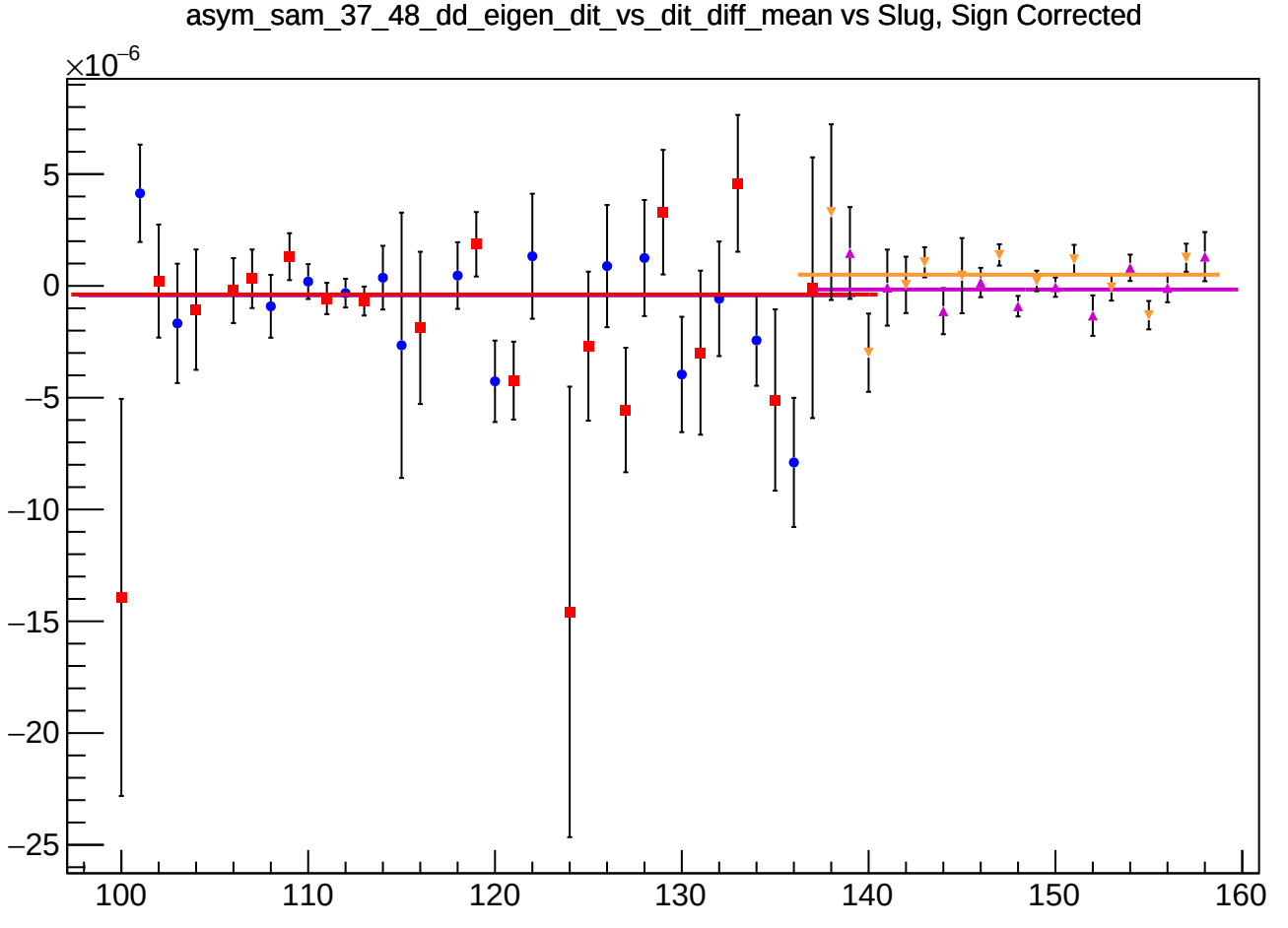
Left: 28.292+/-0.005 χ^2/NDF: 1063876.6/20

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.455+/-0.005 χ^2/NDF:892402.1/25

Out: 29.935+/-0.005 χ^2/NDF:1379262.7/29

All: 29.159+/-0.004 χ^2/NDF: 2309910.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/9

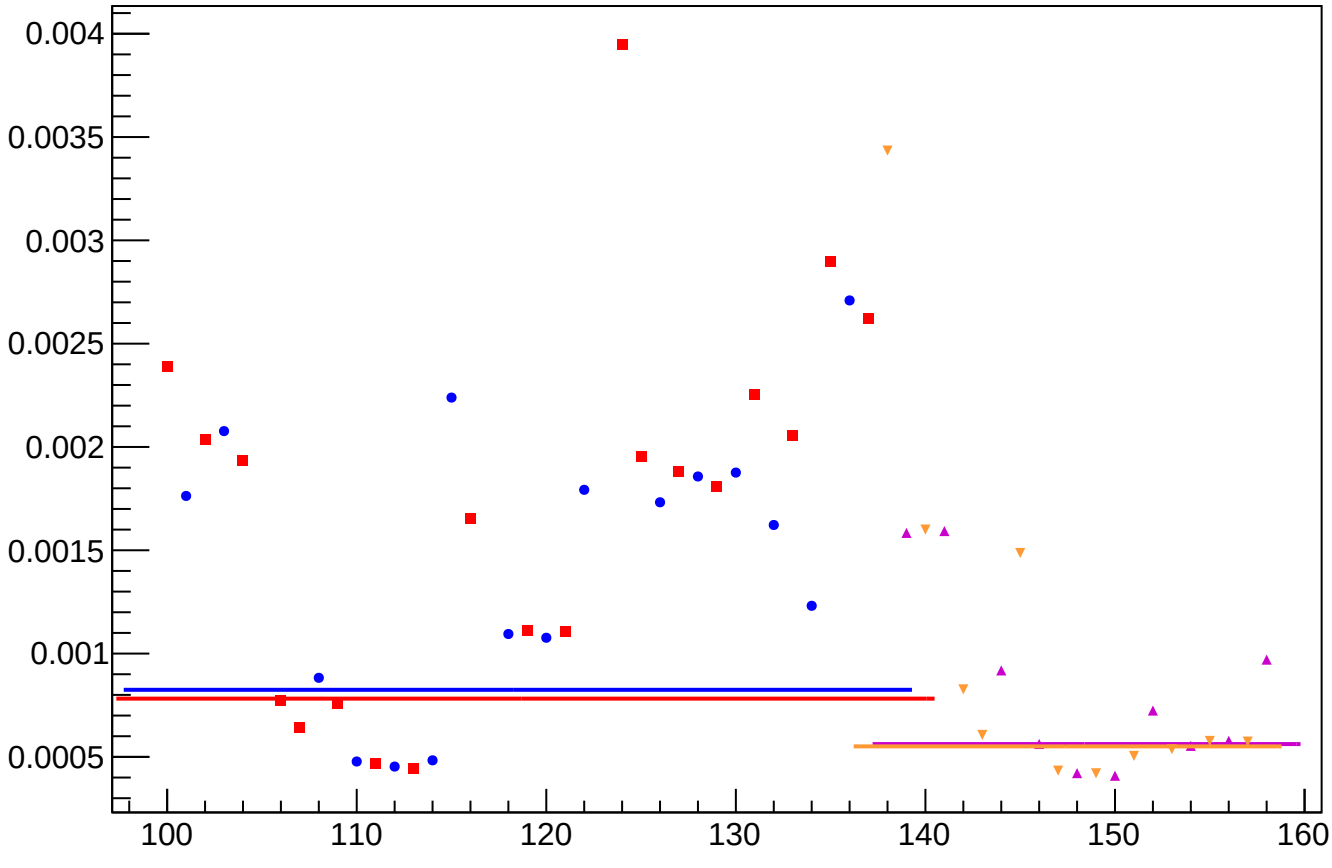
Left: 0.000+/-0.000 χ^2/NDF: 36.2/20

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:32.2/25

Out: 0.000+/-0.000 χ^2/NDF:50.8/29

All: 0.000+/-0.000 χ^2/NDF: 86.6/55



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2823639.6/10

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:2250960.1/9

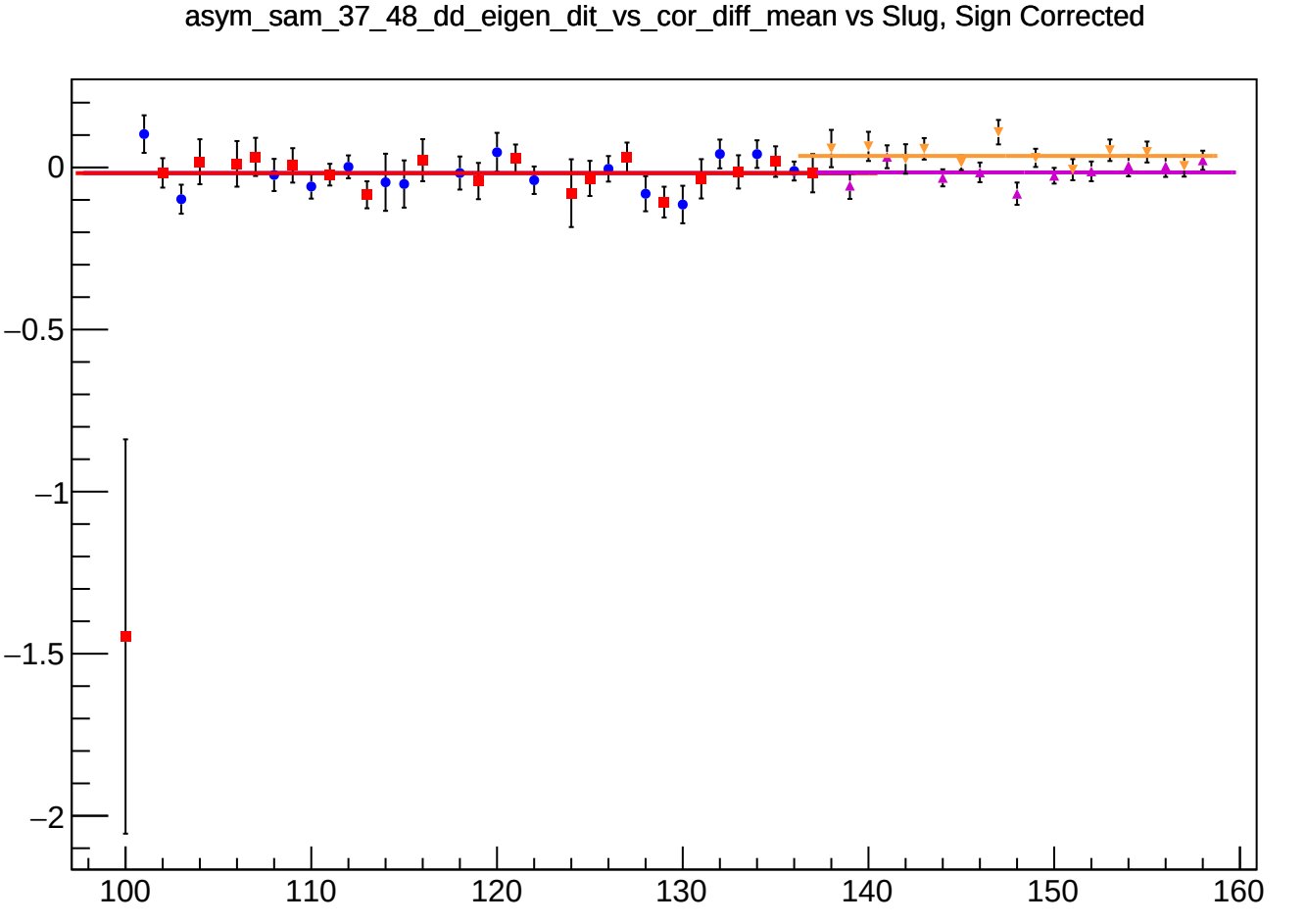
Left: 0.001+/-0.000 χ^2/NDF: 5077362.3/20

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:7448802.6/25

Out: 0.001+/-0.000 χ^2/NDF:8109255.8/29

All: 0.001+/-0.000 χ^2/NDF: 15566755.3/55



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.015+/-0.010 χ^2/NDF:9.4/9

Left: 0.009+/-0.007 χ^2/NDF: 31.3/20

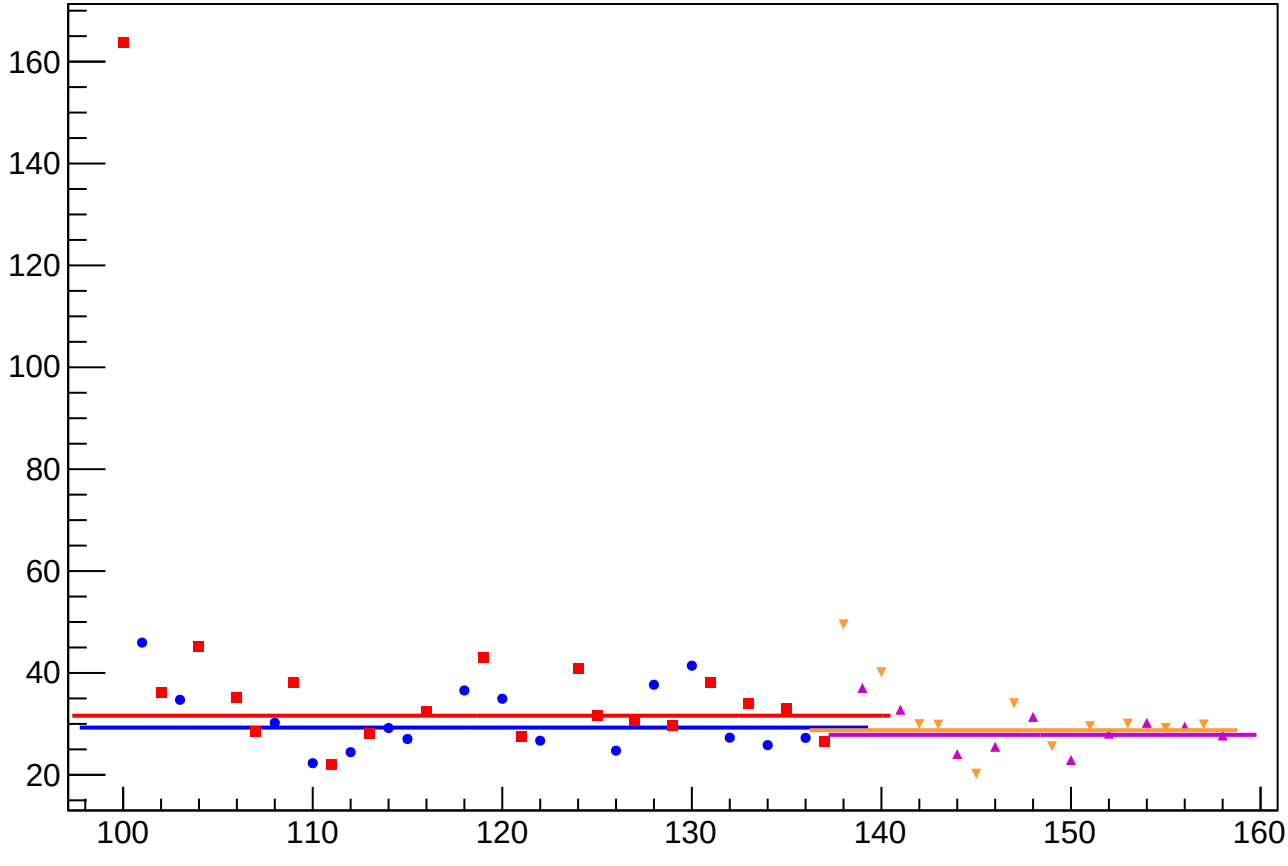
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.016+/-0.007 χ^2/NDF:28.2/25

Out: 0.014+/-0.008 χ^2/NDF:36.9/29

All: -0.002+/-0.005 χ^2/NDF: 72.9/55

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.767+/-0.007 χ^2/NDF:741880.2/10

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.852+/-0.007 χ^2/NDF:313476.3/9

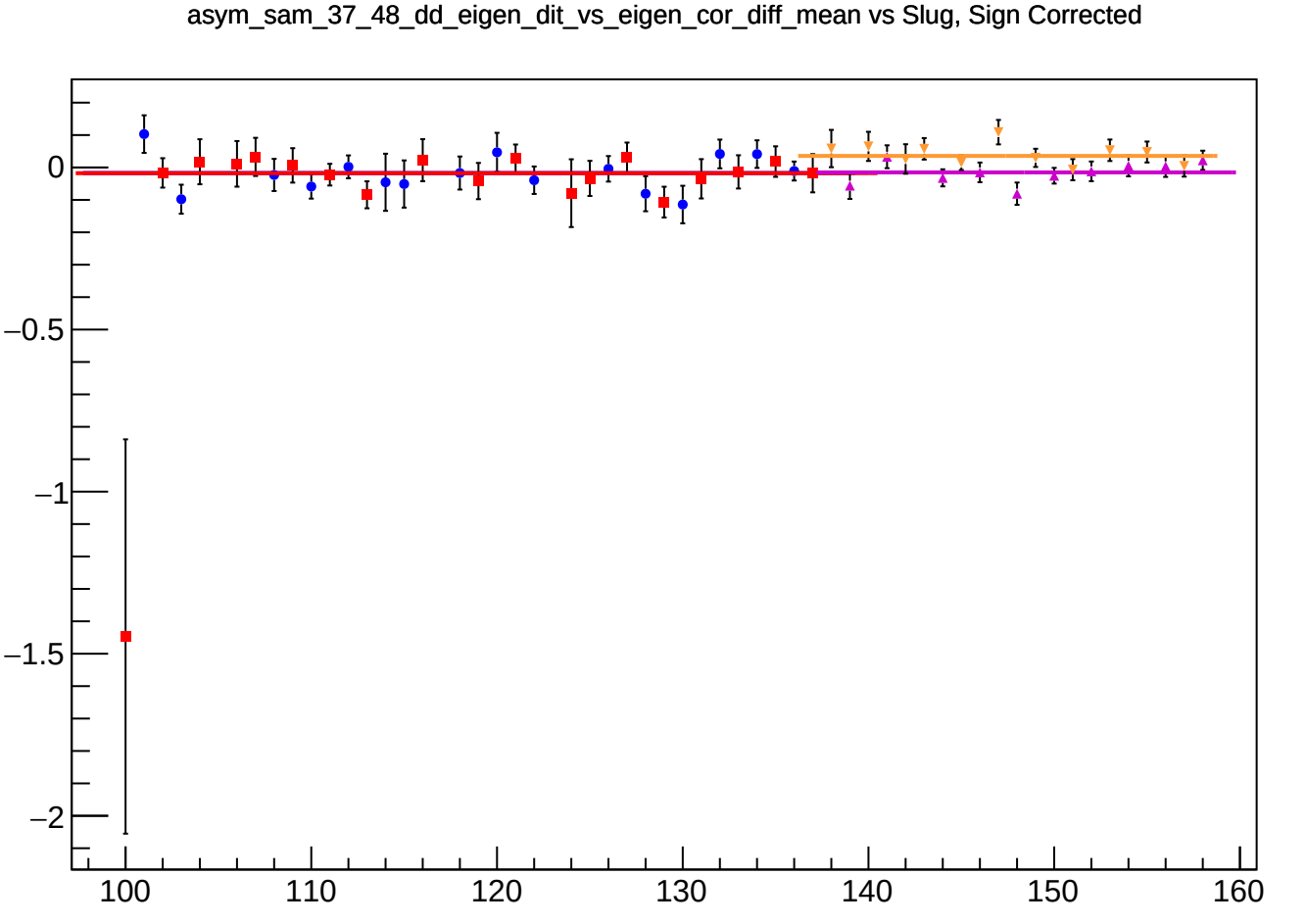
Left: 28.292+/-0.005 χ^2/NDF: 1063895.6/20

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.455+/-0.005 χ^2/NDF:892376.9/25

Out: 29.935+/-0.005 χ^2/NDF:1379333.5/29

All: 29.159+/-0.004 χ^2/NDF: 2309951.5/55



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.015+/-0.010 χ^2/NDF:9.4/9

Left: 0.009+/-0.007 χ^2/NDF: 31.3/20

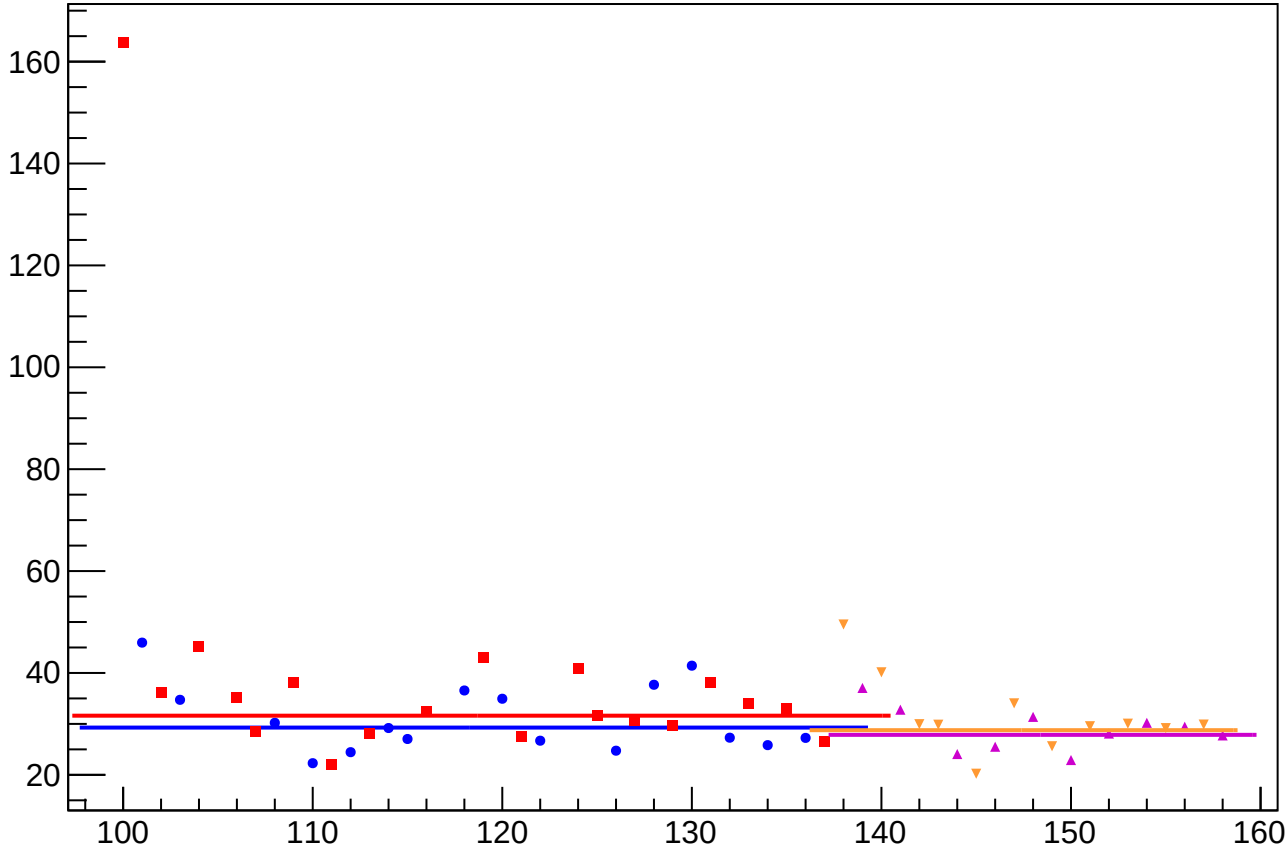
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.016+/-0.007 χ^2/NDF:28.2/25

Out: 0.014+/-0.008 χ^2/NDF:36.9/29

All: -0.002+/-0.005 χ^2/NDF: 72.9/55

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.767+/-0.007 χ^2/NDF:741880.2/10

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.852+/-0.007 χ^2/NDF:313476.3/9

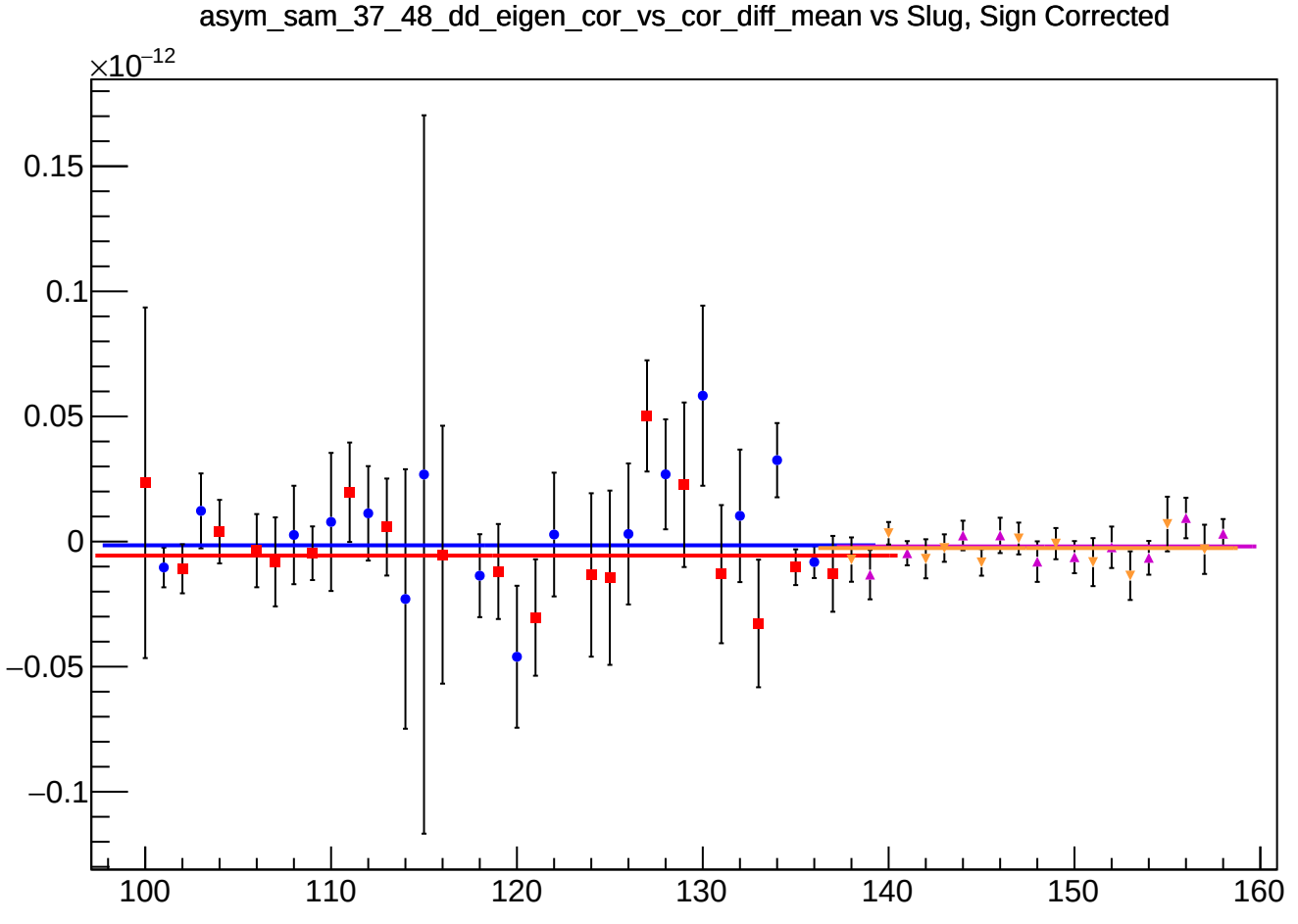
Left: 28.292+/-0.005 χ^2/NDF: 1063895.6/20

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.455+/-0.005 χ^2/NDF:892376.9/25

Out: 29.935+/-0.005 χ^2/NDF:1379333.5/29

All: 29.159+/-0.004 χ^2/NDF: 2309951.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/9

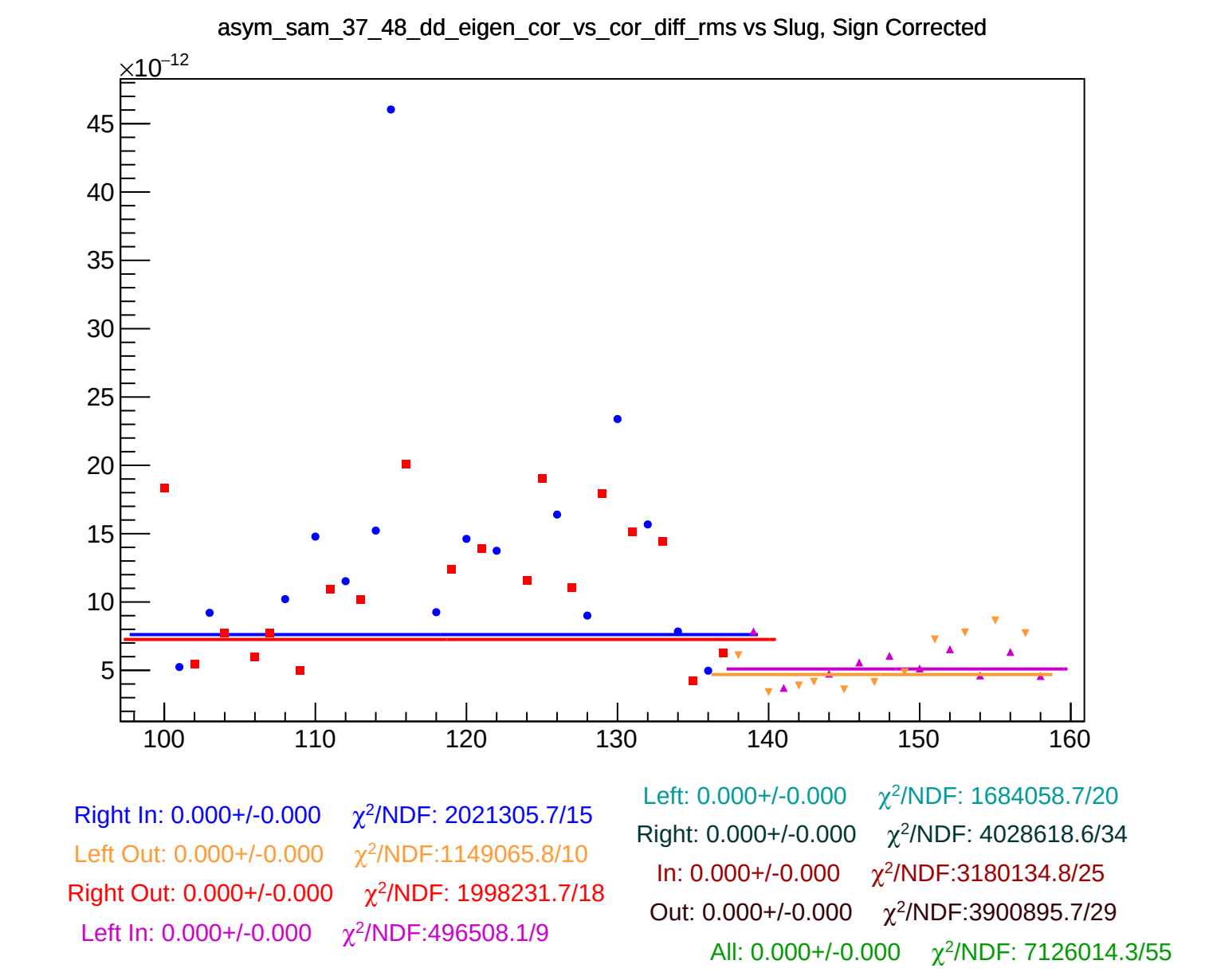
Left: -0.000+/-0.000 χ^2/NDF: 13.1/20

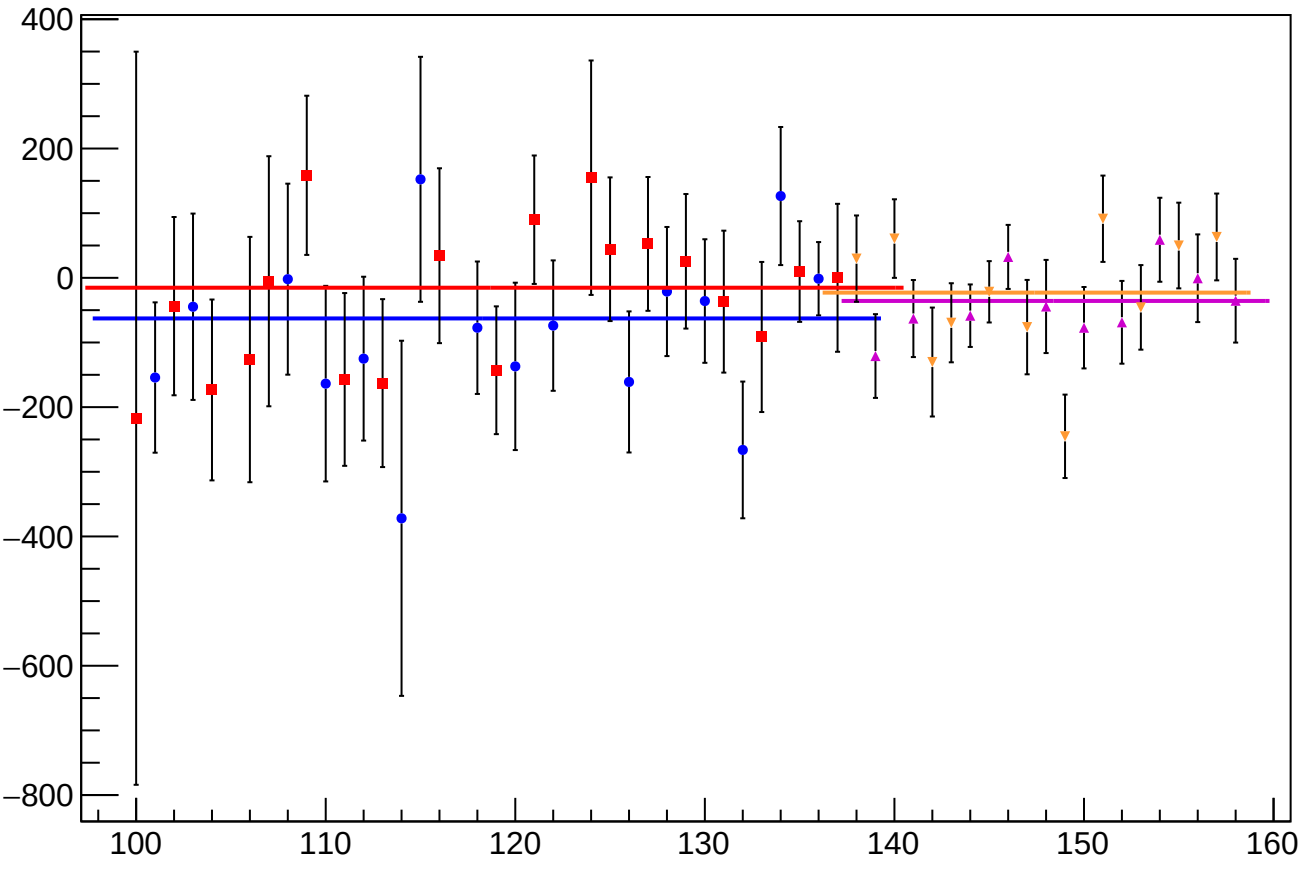
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:23.7/25

Out: -0.000+/-0.000 χ^2/NDF:20.1/29

All: -0.000+/-0.000 χ^2/NDF: 44.2/55


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1149065.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:496508.1/9
Left: 0.000+/-0.000 χ²/NDF: 1684058.7/20
Right: 0.000+/-0.000 χ²/NDF: 4028618.6/34
In: 0.000+/-0.000 χ²/NDF:3180134.8/25
Out: 0.000+/-0.000 χ²/NDF:3900895.7/29
All: 0.000+/-0.000 χ²/NDF: 7126014.3/55



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -22.867+/-19.304 χ^2/NDF:23.0/10

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -35.736+/-19.113 χ^2/NDF:7.2/9

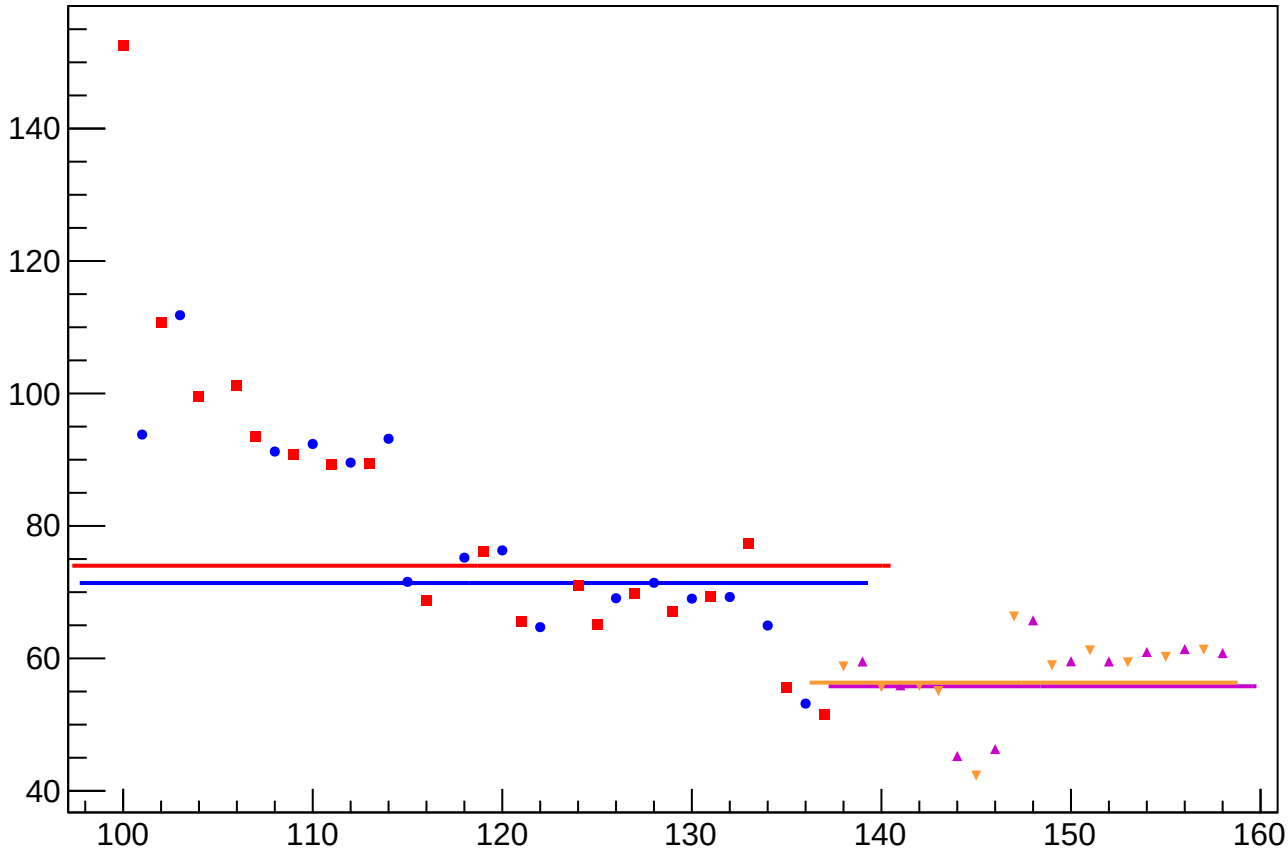
Left: -29.366+/-13.582 χ^2/NDF: 30.4/20

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -44.676+/-15.641 χ^2/NDF:21.3/25

Out: -20.397+/-15.851 χ^2/NDF:34.5/29

All: -32.699+/-11.133 χ^2/NDF: 57.0/55



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.345+/-0.014 χ^2/NDF:252428.0/10

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

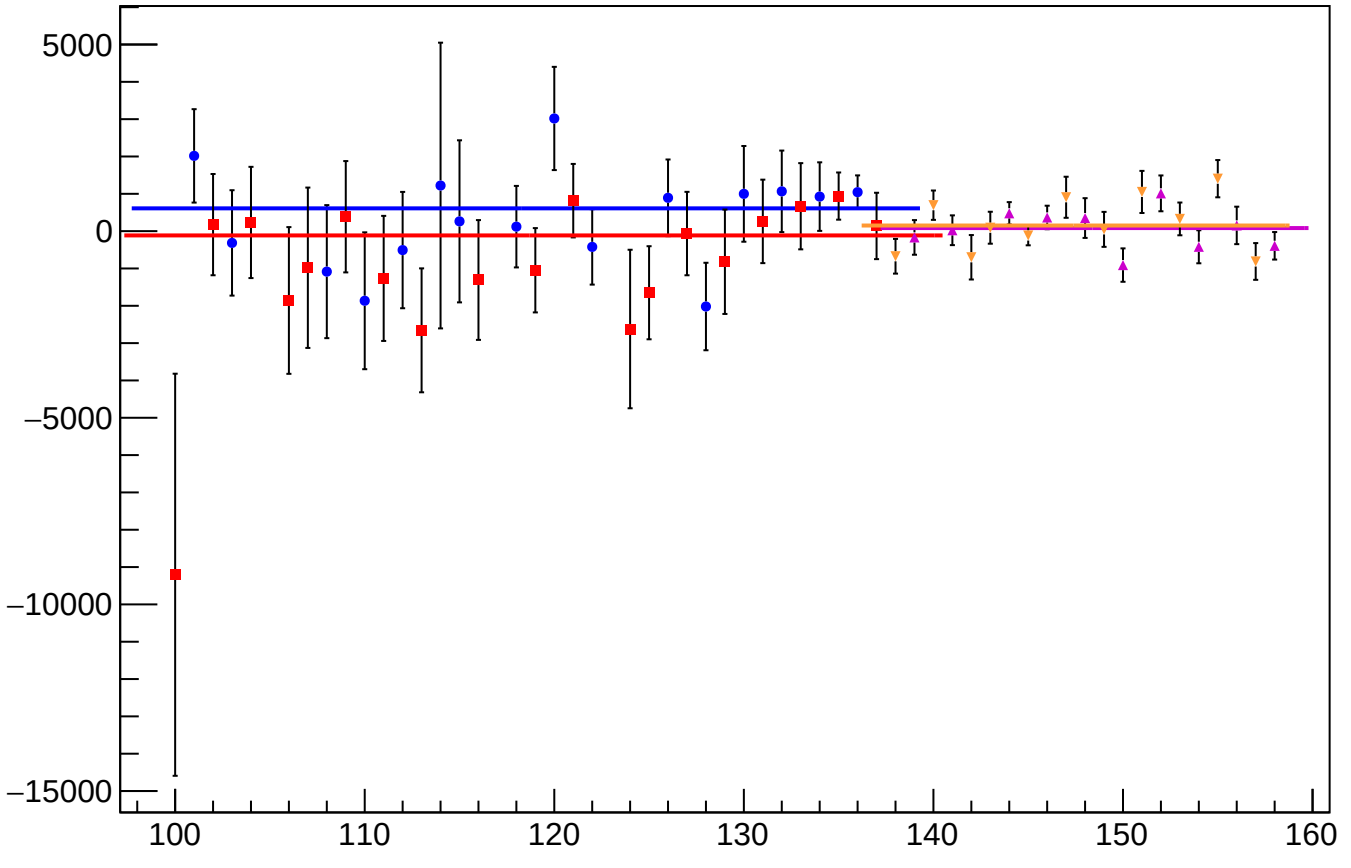
Left: 56.067+/-0.010 χ^2/NDF: 518654.3/20

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.943+/-0.011 χ^2/NDF:1295849.3/25

Out: 62.095+/-0.011 χ^2/NDF:1435466.1/29

All: 61.512+/-0.008 χ^2/NDF: 2736665.4/55



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 150.609+/-131.192 χ^2/NDF:22.9/10

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 82.363+/-127.555 χ^2/NDF:14.8/9

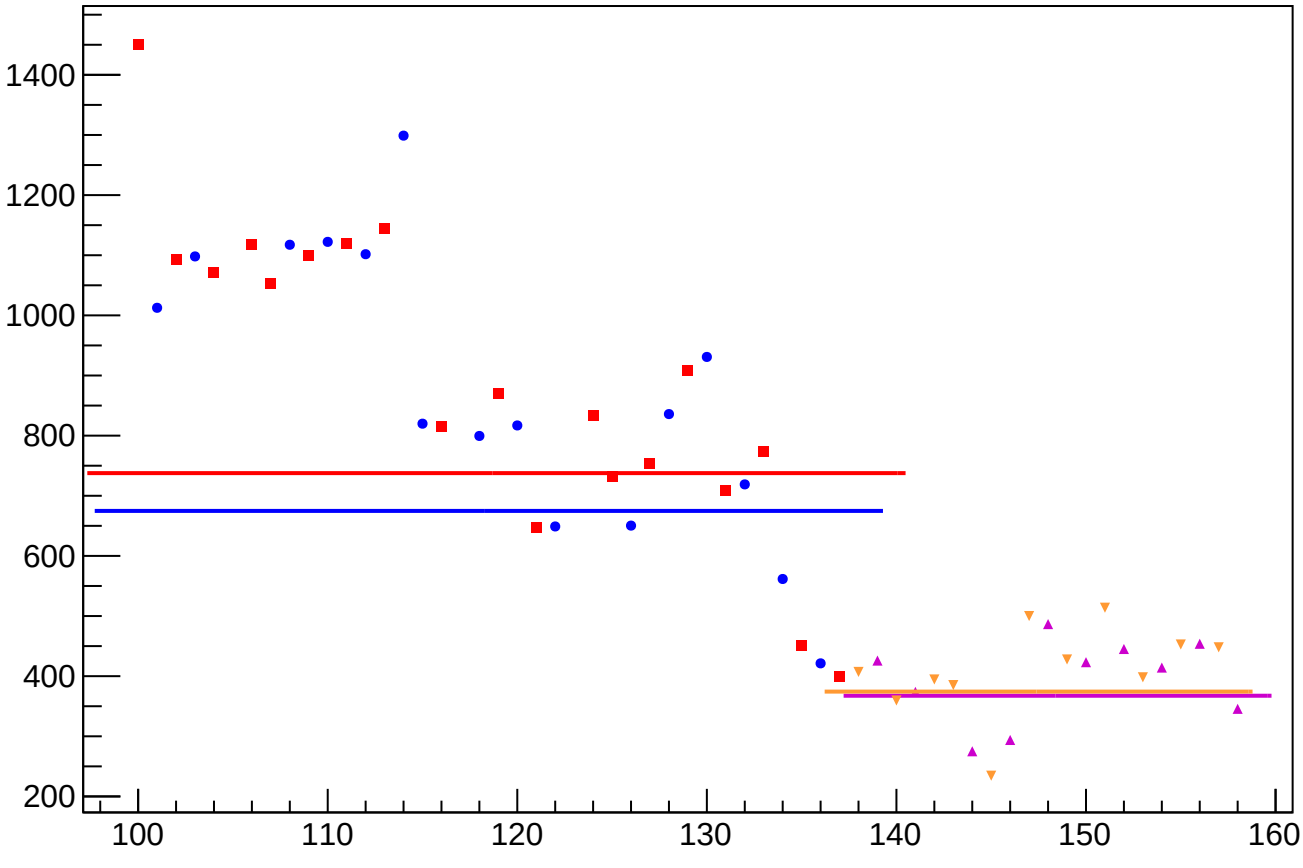
Left: 115.527+/-91.454 χ^2/NDF: 37.8/20

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 180.632+/-115.080 χ^2/NDF:33.6/25

Out: 104.047+/-119.121 χ^2/NDF:39.2/29

All: 143.660+/-82.766 χ^2/NDF: 73.1/55



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 374.345+/-0.093 χ^2/NDF:931498.9/10

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

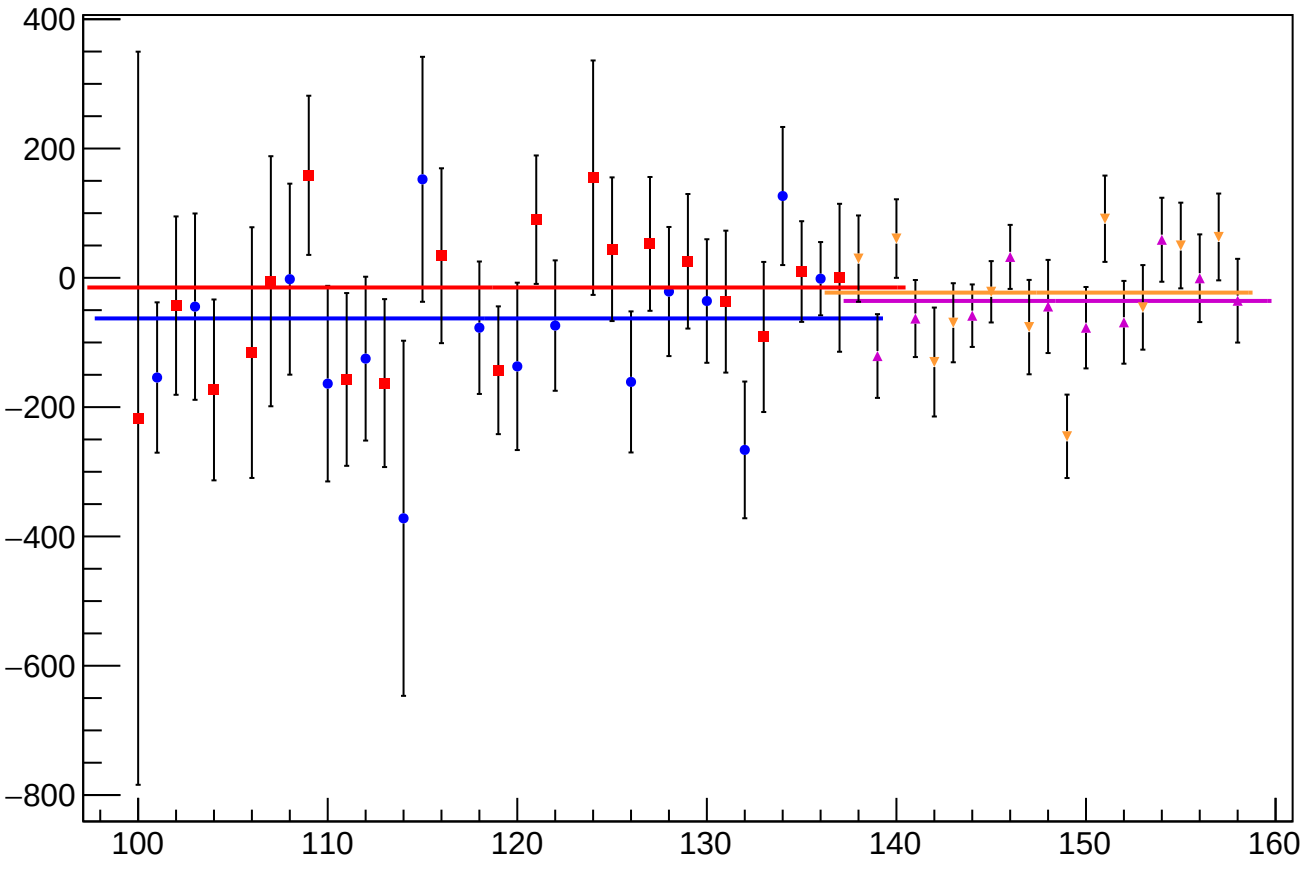
Left: 370.813+/-0.065 χ^2/NDF: 1538260.8/20

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 424.656+/-0.081 χ^2/NDF:4381950.6/25

Out: 438.126+/-0.084 χ^2/NDF:5141070.7/29

All: 431.159+/-0.059 χ^2/NDF: 9536248.1/55



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -22.869+/-19.304 χ^2/NDF:23.0/10

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -35.738+/-19.113 χ^2/NDF:7.2/9

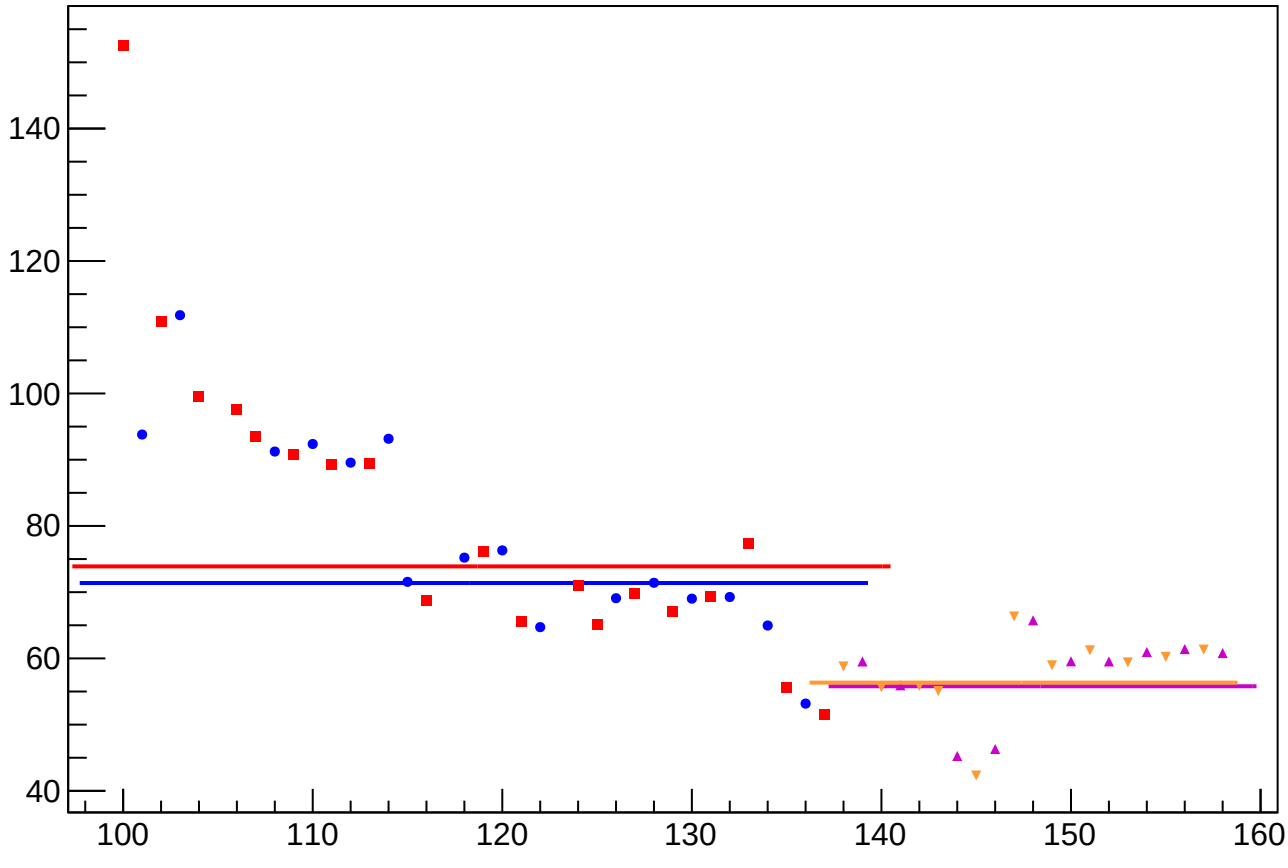
Left: -29.368+/-13.582 χ^2/NDF: 30.4/20

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -44.674+/-15.641 χ^2/NDF:21.3/25

Out: -20.285+/-15.853 χ^2/NDF:34.5/29

All: -32.644+/-11.134 χ^2/NDF: 57.0/55



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.345+/-0.014 χ^2/NDF:252428.0/10

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

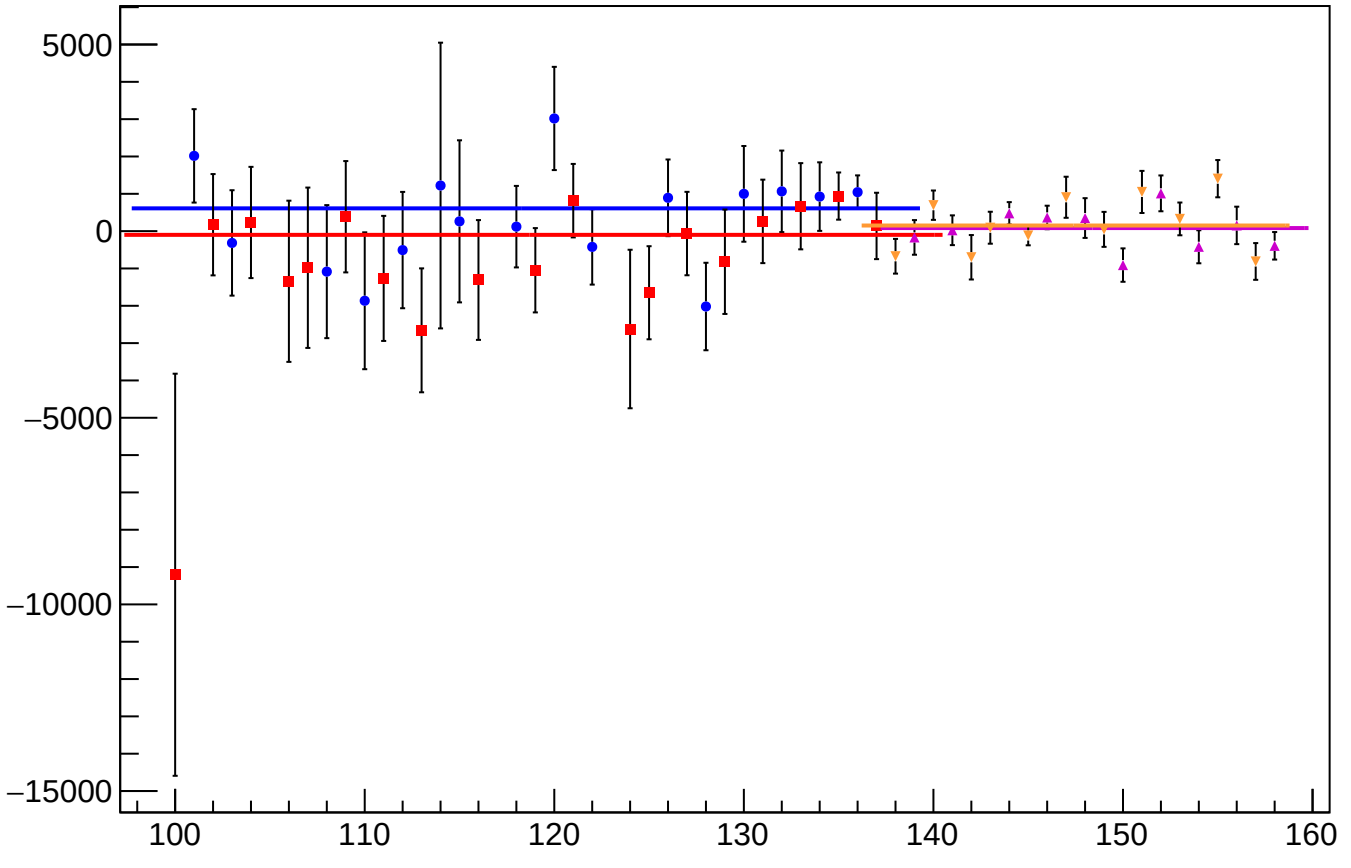
Left: 56.067+/-0.010 χ^2/NDF: 518654.3/20

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.943+/-0.011 χ^2/NDF:1295852.0/25

Out: 62.059+/-0.011 χ^2/NDF:1417550.2/29

All: 61.494+/-0.008 χ^2/NDF: 2718420.6/55



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 150.607+/-131.192 χ^2/NDF:22.9/10

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 82.360+/-127.555 χ^2/NDF:14.8/9

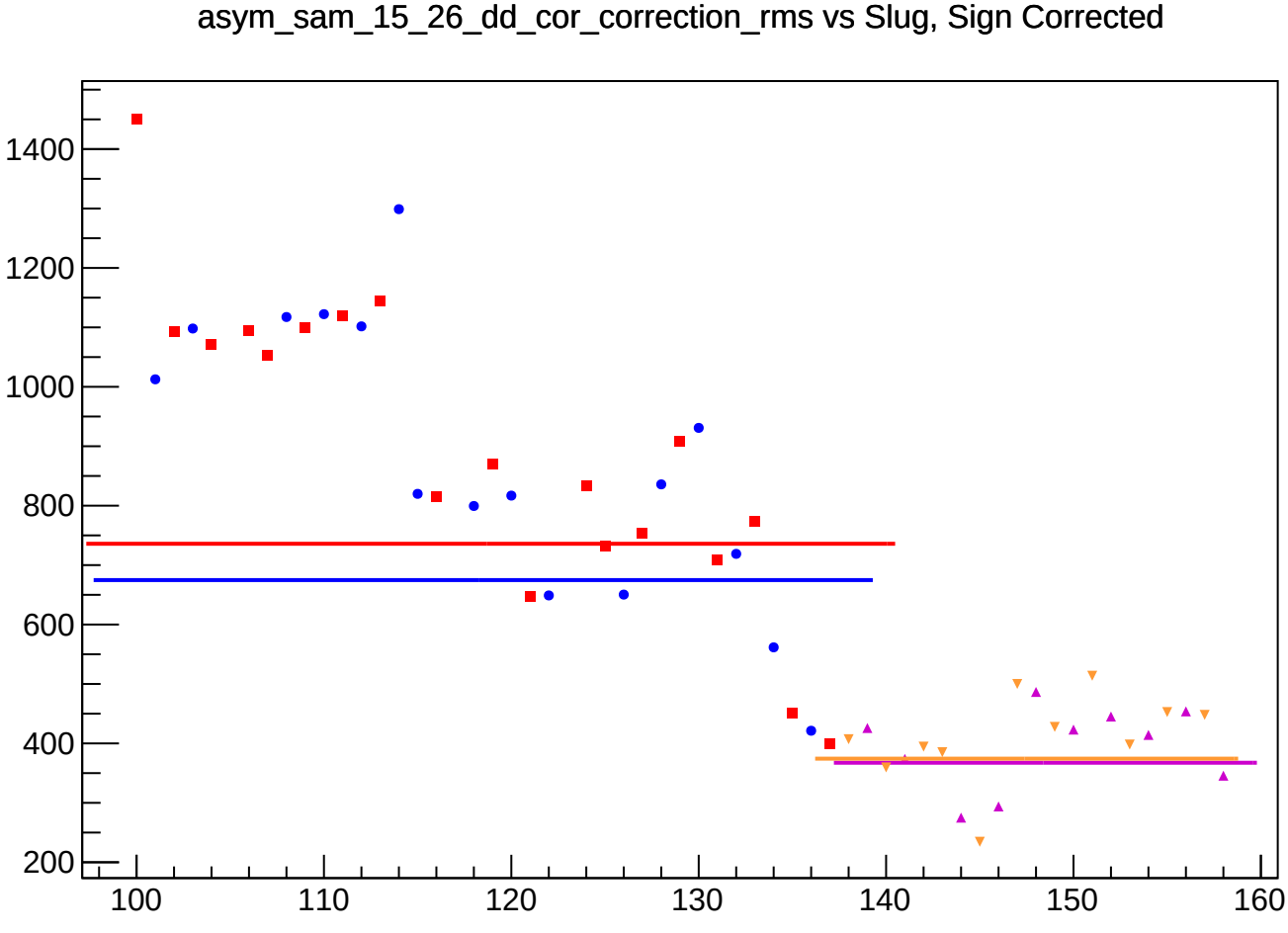
Left: 115.524+/-91.454 χ^2/NDF: 37.8/20

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 180.627+/-115.080 χ^2/NDF:33.6/25

Out: 106.824+/-119.159 χ^2/NDF:38.7/29

All: 145.010+/-82.778 χ^2/NDF: 72.5/55



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 374.344+/-0.093 χ^2/NDF:931506.3/10

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

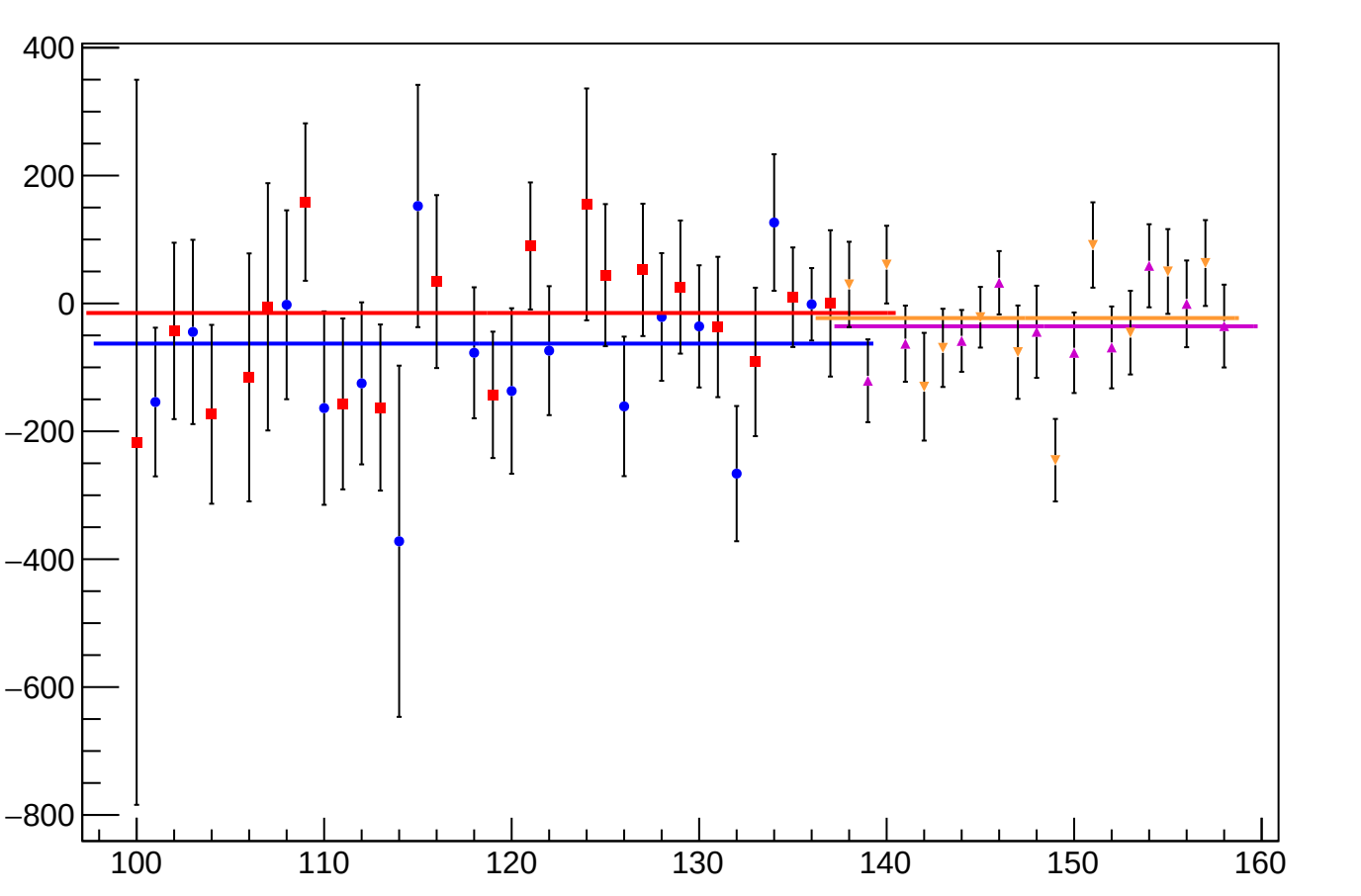
Left: 370.813+/-0.065 χ^2/NDF: 1538268.0/20

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 424.656+/-0.081 χ^2/NDF:4381975.1/25

Out: 437.627+/-0.084 χ^2/NDF:5087350.0/29

All: 430.915+/-0.059 χ^2/NDF: 9481586.1/55



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -22.869+/-19.304 χ^2/NDF:23.0/10

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -35.738+/-19.113 χ^2/NDF:7.2/9

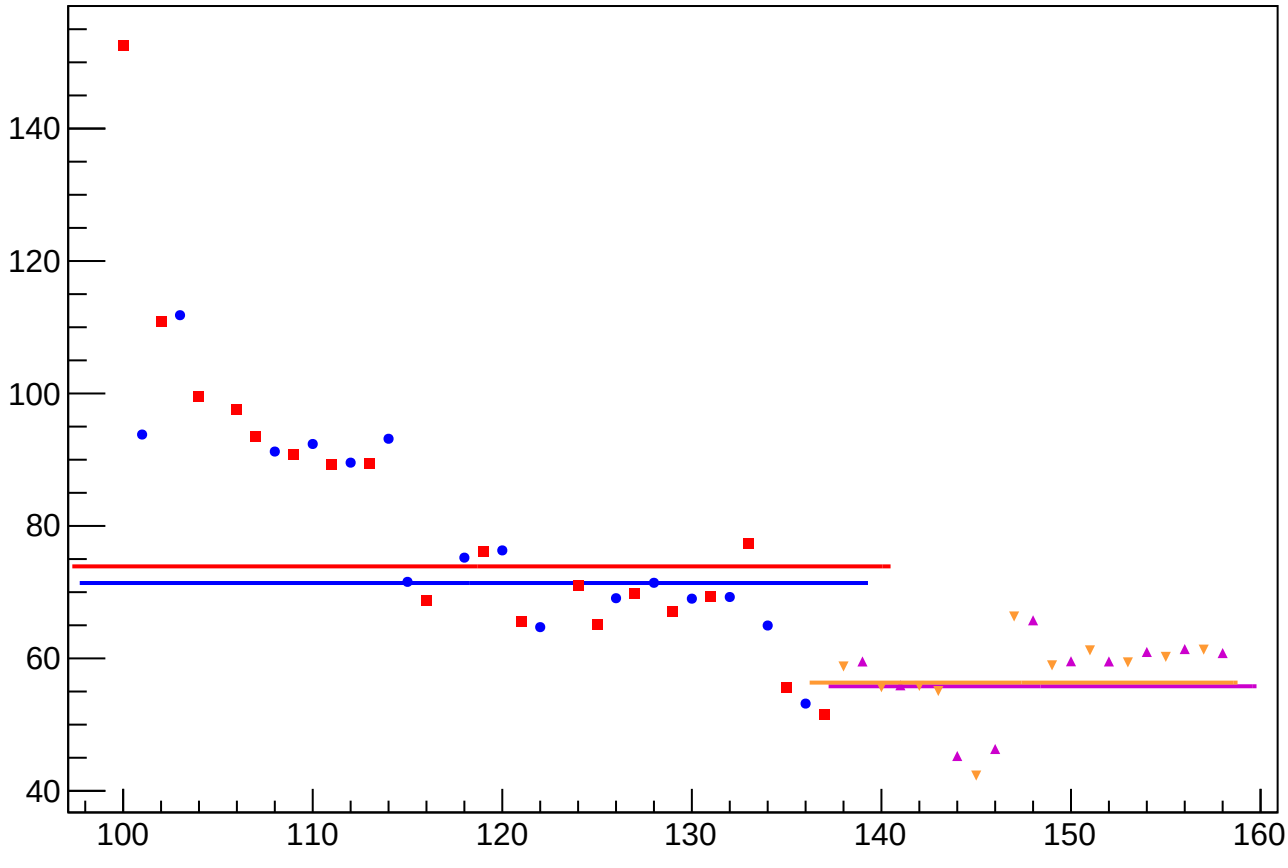
Left: -29.368+/-13.582 χ^2/NDF: 30.4/20

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -44.674+/-15.641 χ^2/NDF:21.3/25

Out: -20.285+/-15.853 χ^2/NDF:34.5/29

All: -32.644+/-11.134 χ^2/NDF: 57.0/55



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.345+/-0.014 χ^2/NDF:252428.0/10

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

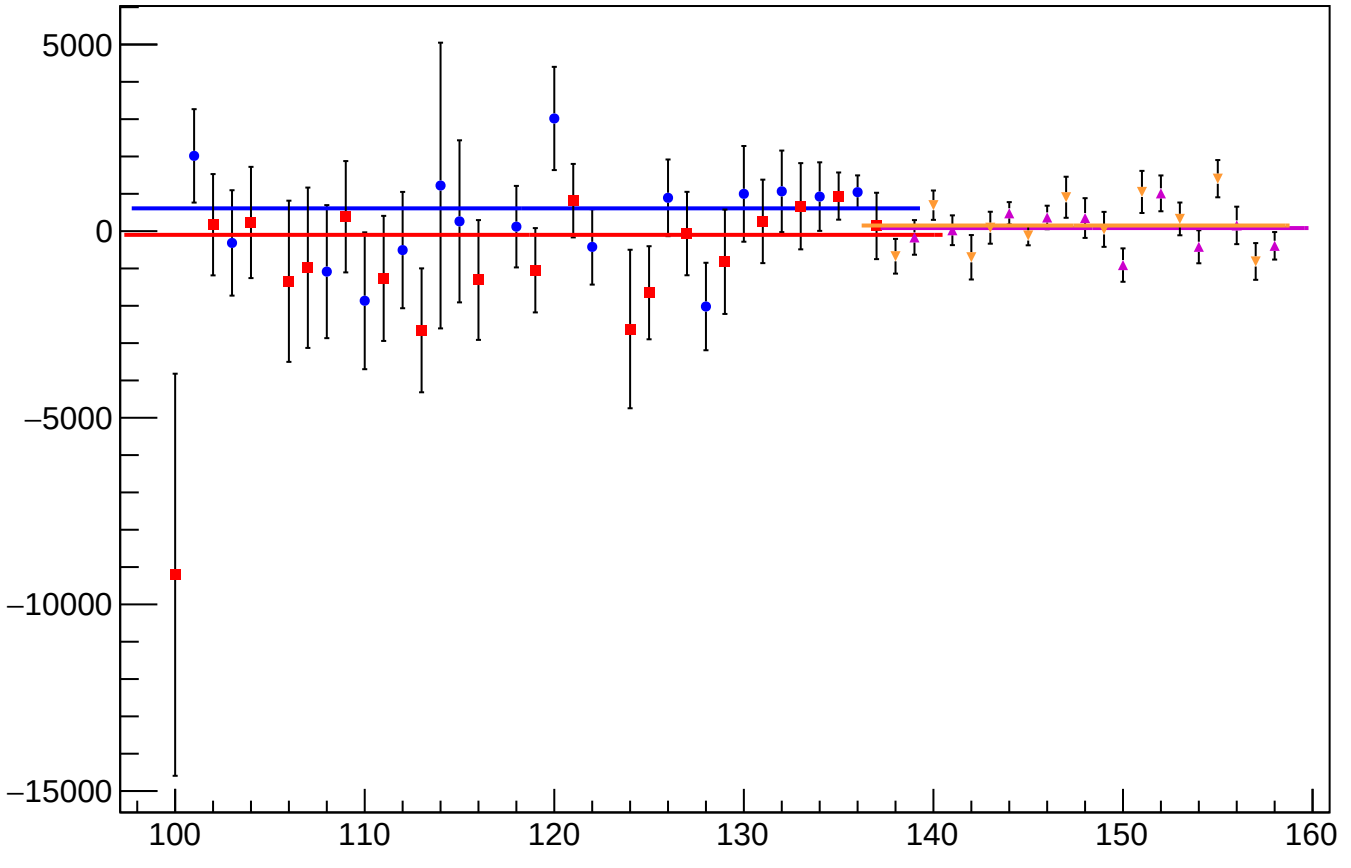
Left: 56.067+/-0.010 χ^2/NDF: 518654.3/20

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.943+/-0.011 χ^2/NDF:1295852.0/25

Out: 62.059+/-0.011 χ^2/NDF:1417550.2/29

All: 61.494+/-0.008 χ^2/NDF: 2718420.6/55



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 150.607+/-131.192 χ^2/NDF:22.9/10

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 82.360+/-127.555 χ^2/NDF:14.8/9

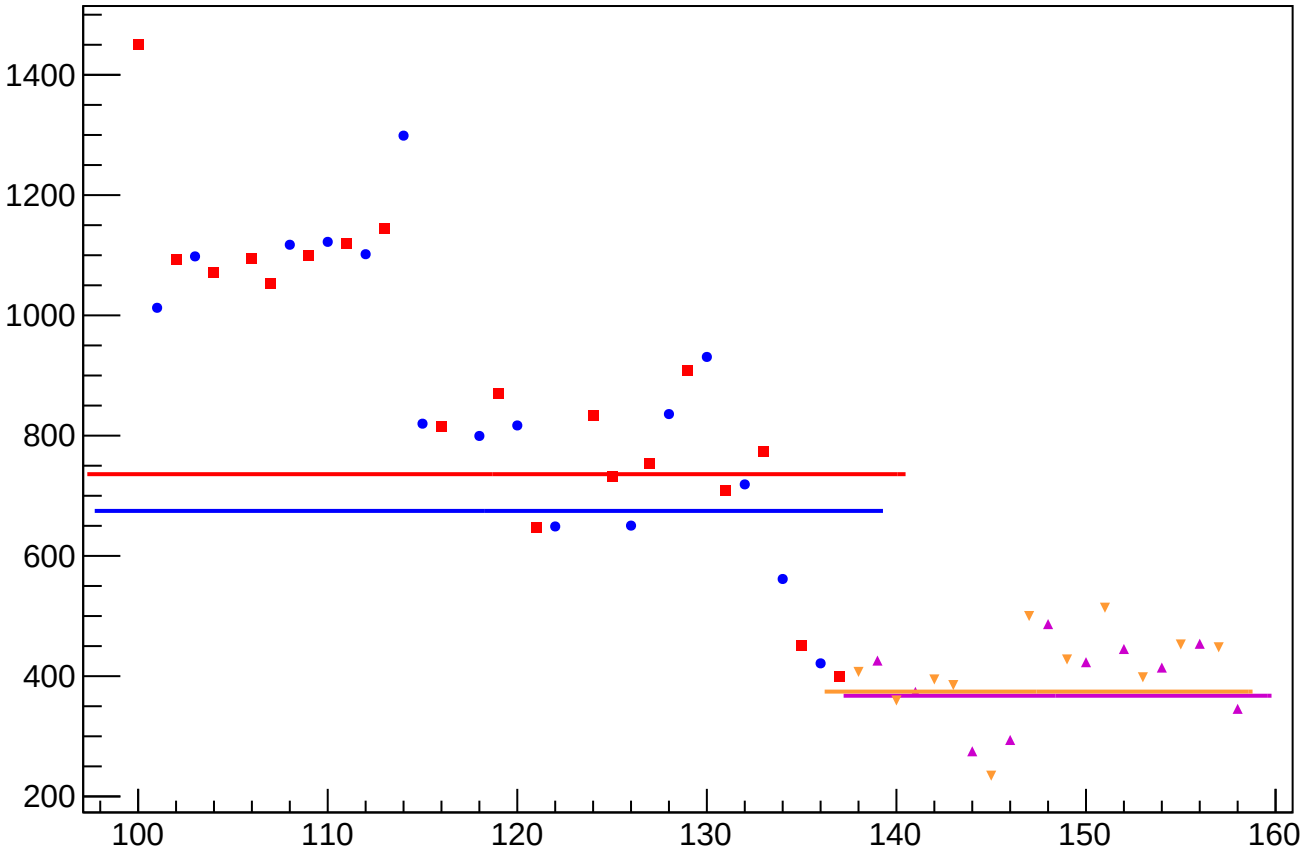
Left: 115.524+/-91.454 χ^2/NDF: 37.8/20

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 180.627+/-115.080 χ^2/NDF:33.6/25

Out: 106.824+/-119.159 χ^2/NDF:38.7/29

All: 145.010+/-82.778 χ^2/NDF: 72.5/55



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 374.344+/-0.093 χ^2/NDF:931506.3/10

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

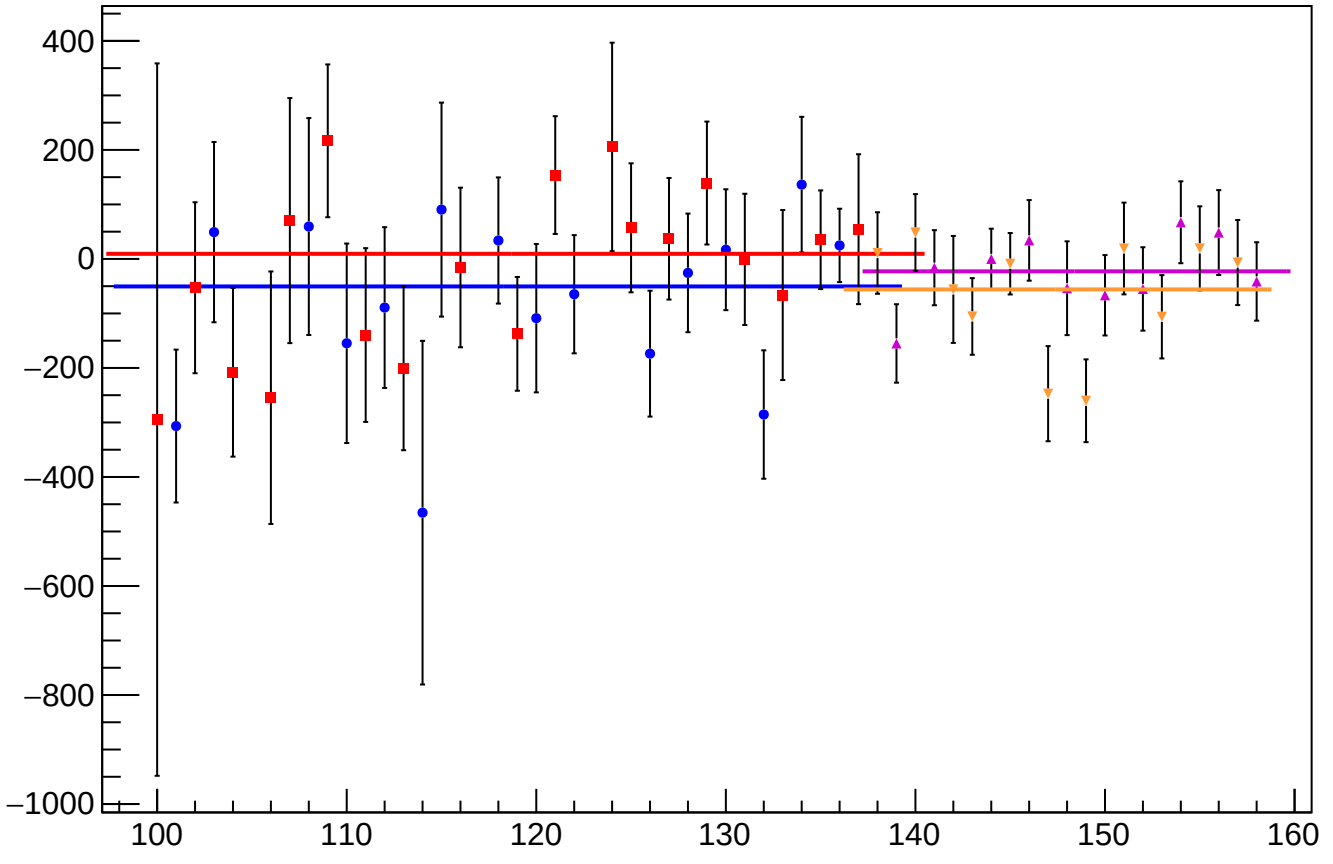
Left: 370.813+/-0.065 χ^2/NDF: 1538268.0/20

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 424.656+/-0.081 χ^2/NDF:4381975.1/25

Out: 437.627+/-0.084 χ^2/NDF:5087350.0/29

All: 430.915+/-0.059 χ^2/NDF: 9481586.1/55



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -55.939+/-22.641 χ^2/NDF:18.8/10

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -22.784+/-22.717 χ^2/NDF:7.1/9

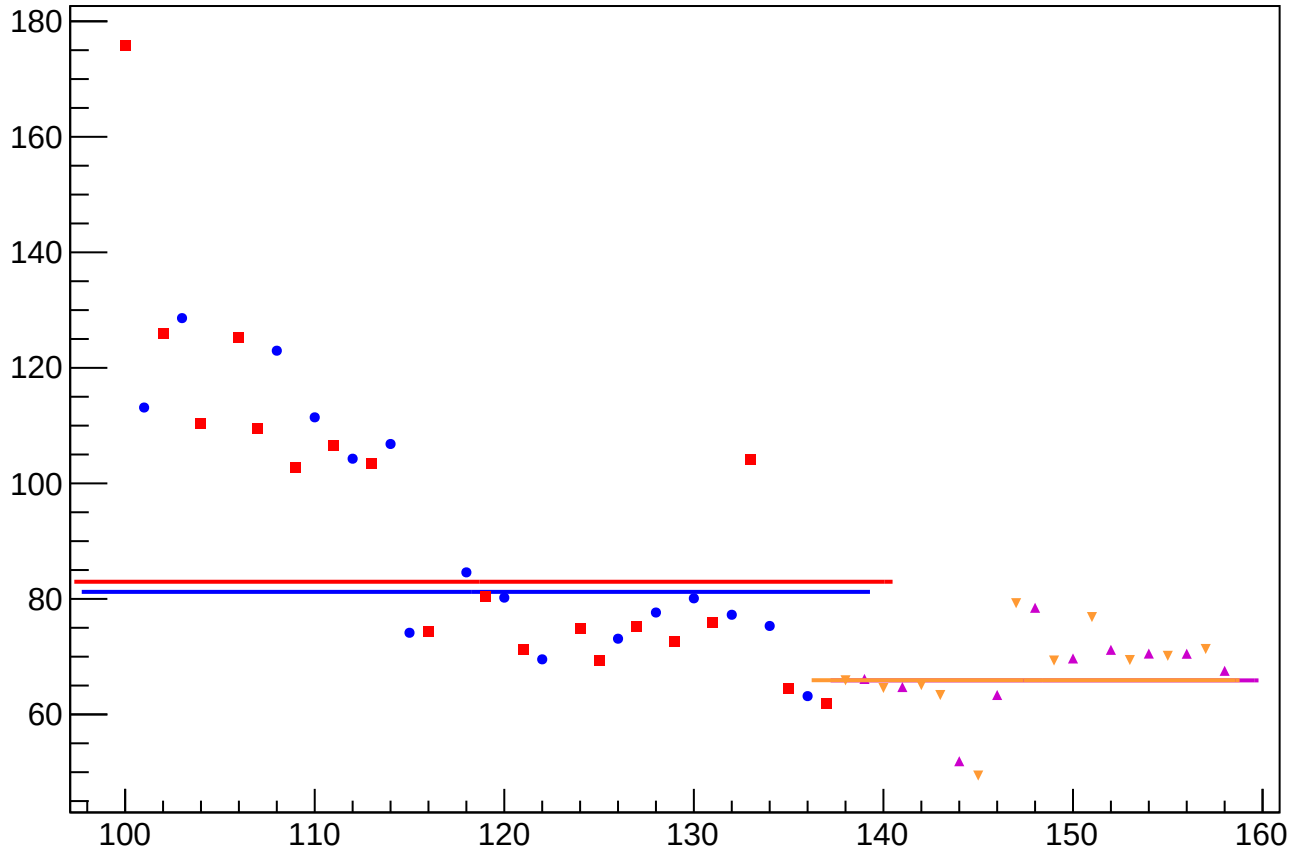
Left: -39.417+/-16.036 χ^2/NDF: 27.0/20

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -32.431+/-18.336 χ^2/NDF:24.1/25

Out: -33.440+/-18.332 χ^2/NDF:37.2/29

All: -32.935+/-12.964 χ^2/NDF: 61.3/55



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.922+/-0.016 χ^2/NDF:279334.0/10

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 65.893+/-0.016 χ^2/NDF:203695.3/9

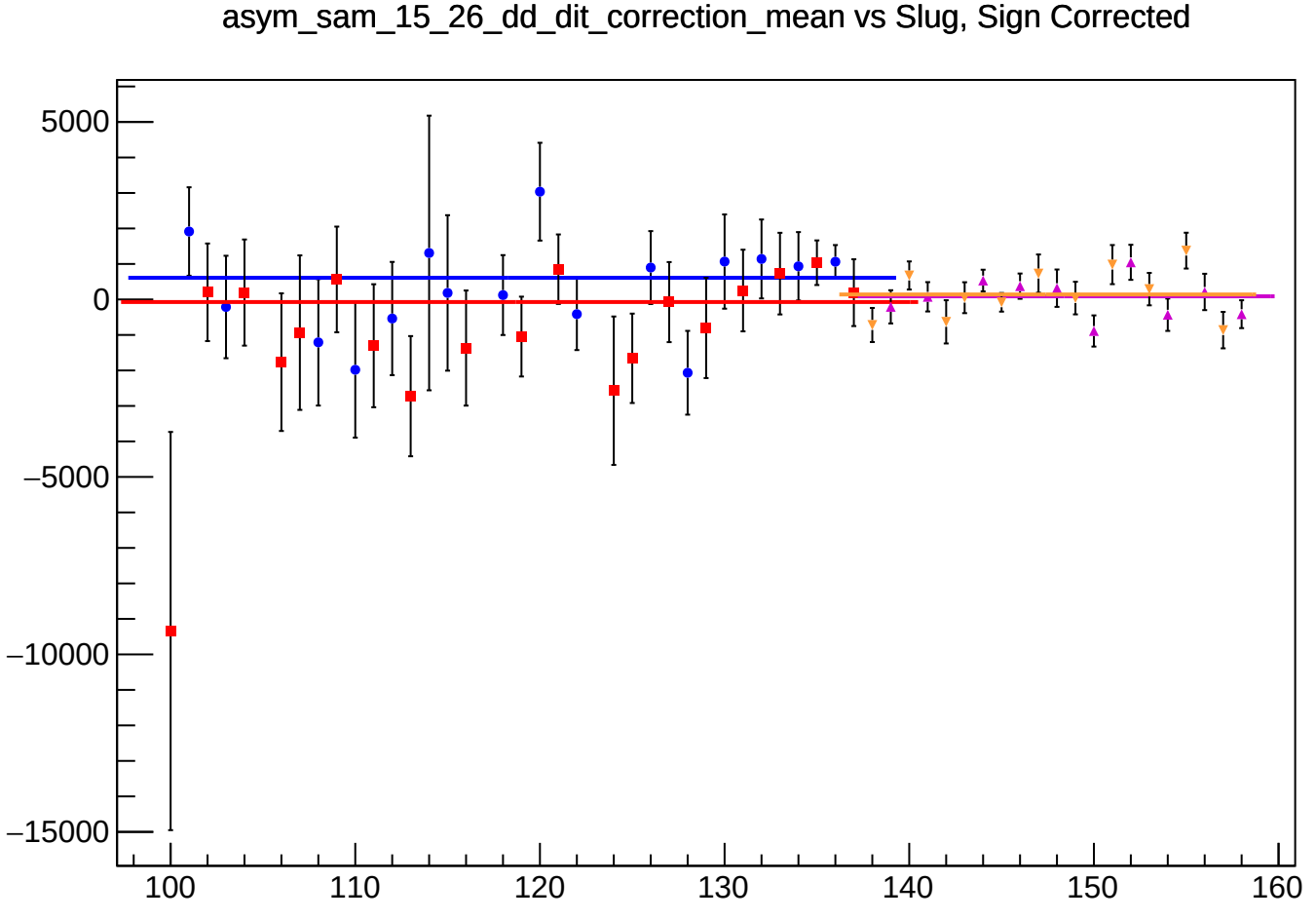
Left: 65.908+/-0.011 χ^2/NDF: 483031.0/20

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.234+/-0.013 χ^2/NDF:1183754.9/25

Out: 71.795+/-0.013 χ^2/NDF:1400323.3/29

All: 71.514+/-0.009 χ^2/NDF: 2585014.5/55



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 140.156+/-132.207 χ^2/NDF:20.9/10

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 88.265+/-132.364 χ^2/NDF:15.1/9

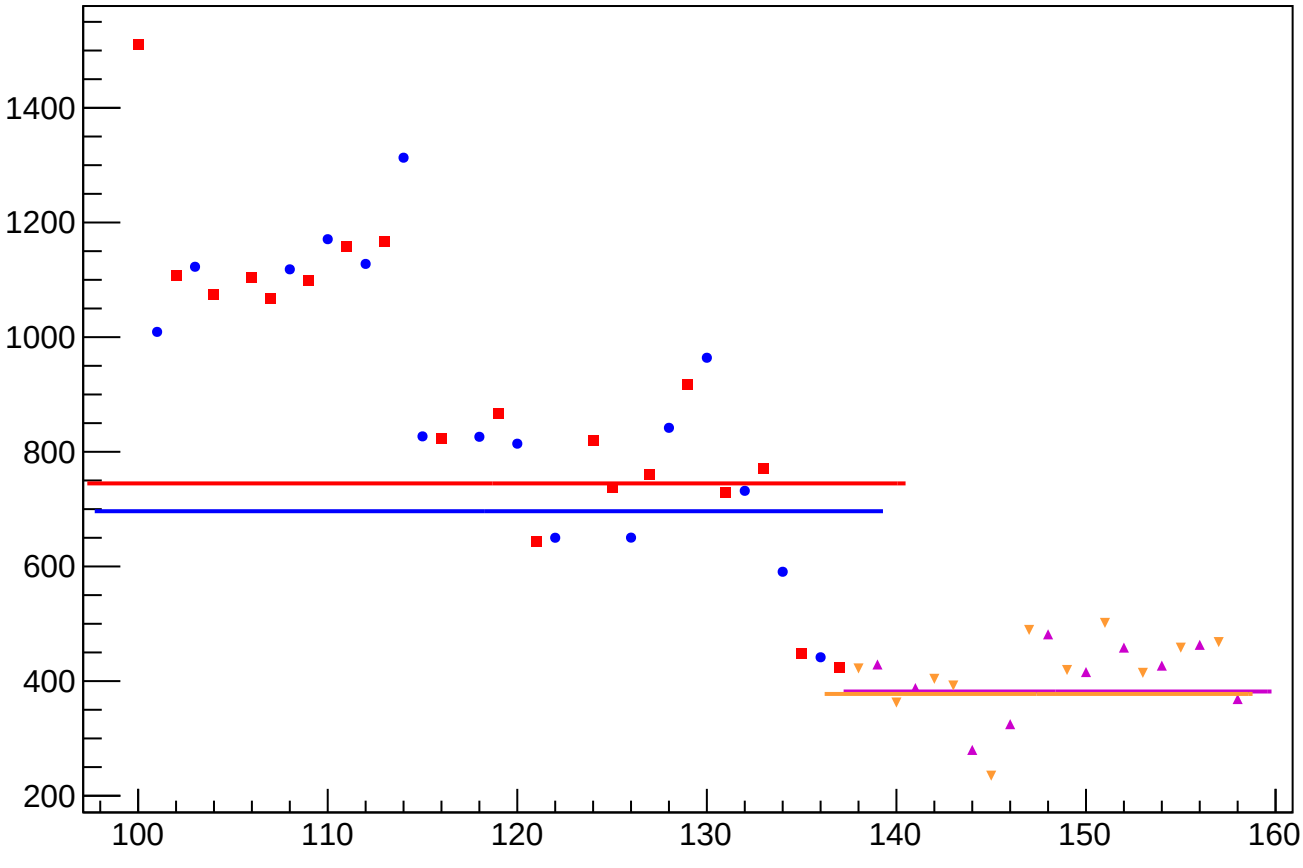
Left: 114.241+/-93.540 χ^2/NDF: 36.0/20

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 187.066+/-119.184 χ^2/NDF:33.8/25

Out: 102.927+/-120.067 χ^2/NDF:37.5/29

All: 145.307+/-84.586 χ^2/NDF: 71.6/55



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 377.617+/-0.093 χ^2/NDF:946973.7/10

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 381.866+/-0.094 χ^2/NDF:499322.4/9

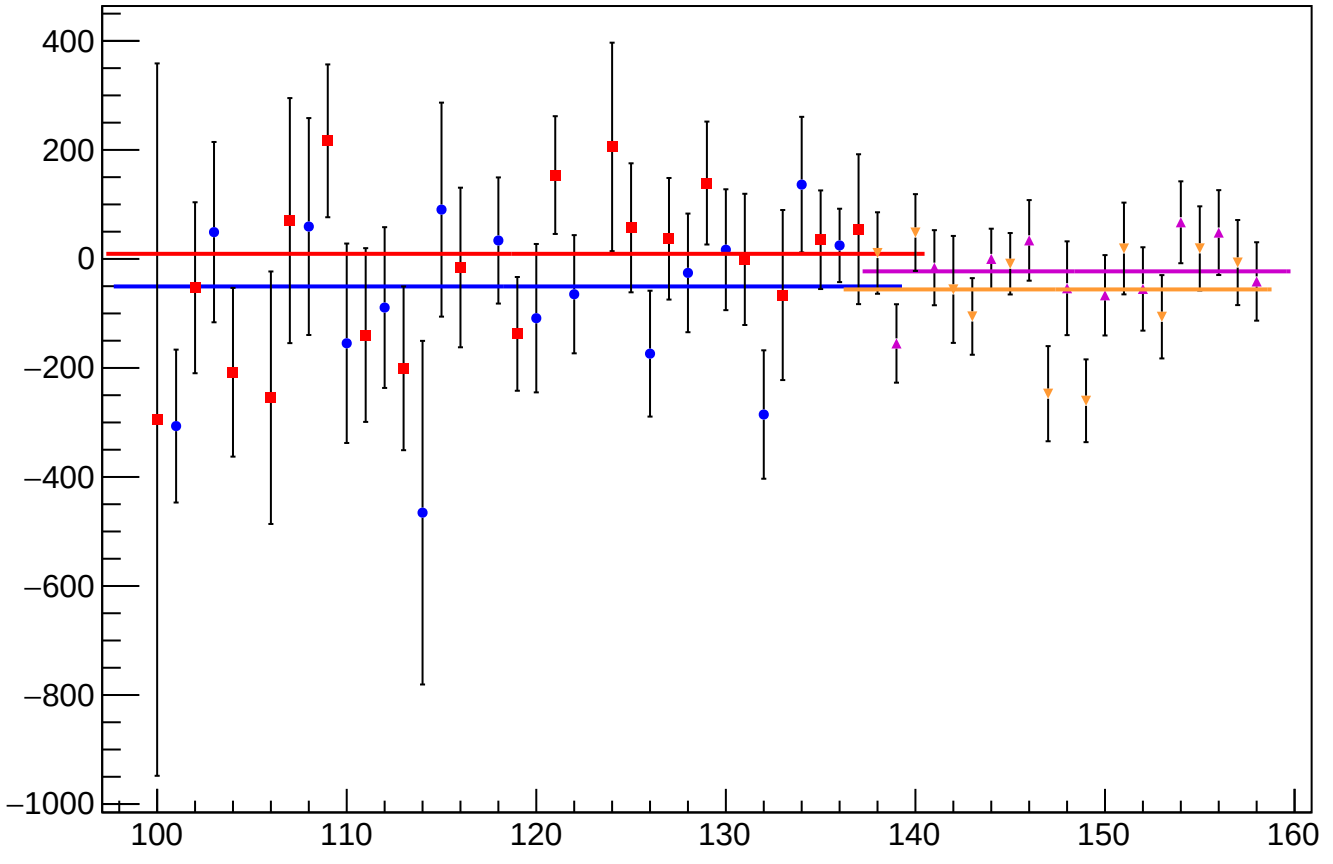
Left: 379.739+/-0.066 χ^2/NDF: 1447328.0/20

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 441.380+/-0.084 χ^2/NDF:4151471.1/25

Out: 441.970+/-0.085 χ^2/NDF:5149654.3/29

All: 441.673+/-0.060 χ^2/NDF: 9301149.7/55



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -55.938+/-22.641 χ^2/NDF:18.8/10

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -22.783+/-22.717 χ^2/NDF:7.1/9

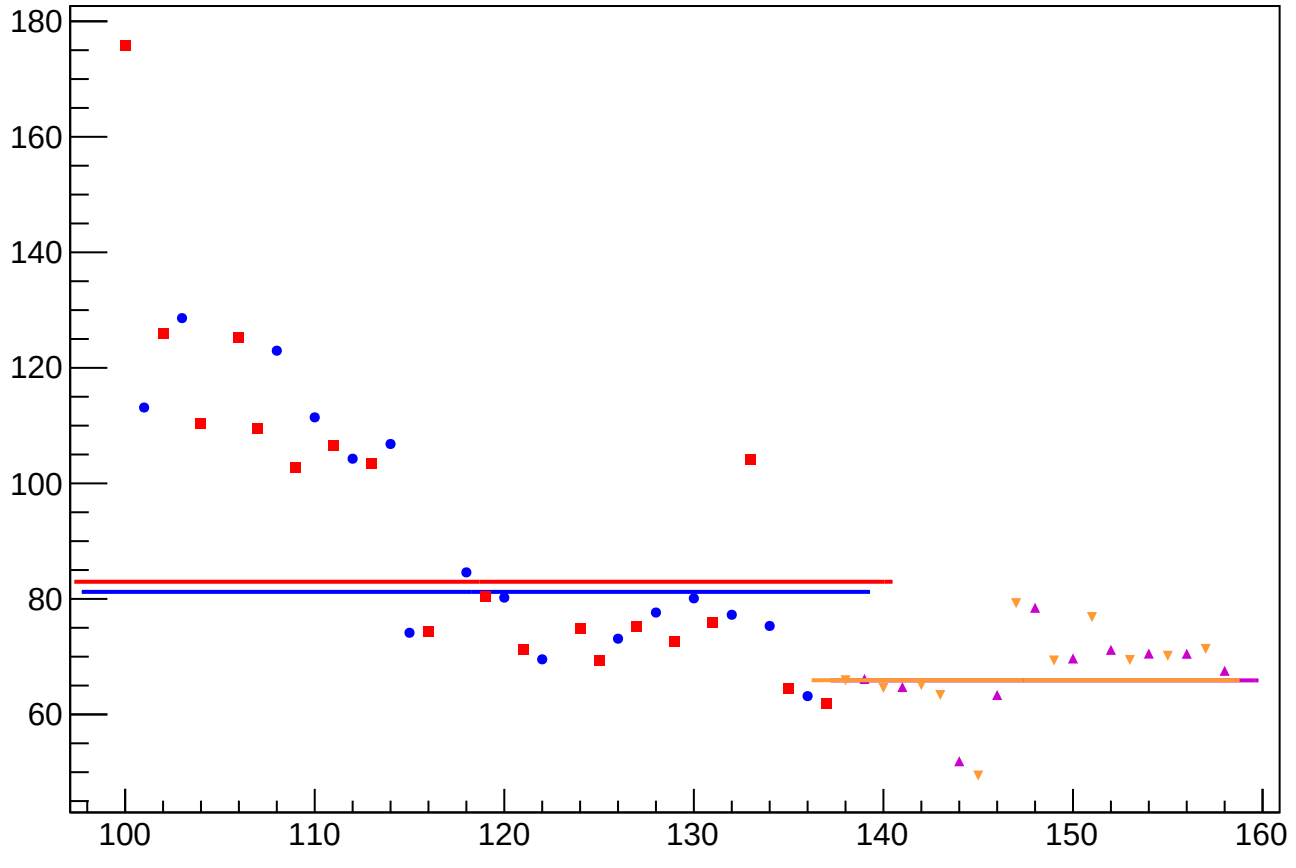
Left: -39.416+/-16.037 χ^2/NDF: 27.0/20

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -32.430+/-18.336 χ^2/NDF:24.1/25

Out: -33.439+/-18.332 χ^2/NDF:37.2/29

All: -32.935+/-12.964 χ^2/NDF: 61.3/55



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.923+/-0.016 χ^2/NDF:279328.9/10

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 65.893+/-0.016 χ^2/NDF:203693.2/9

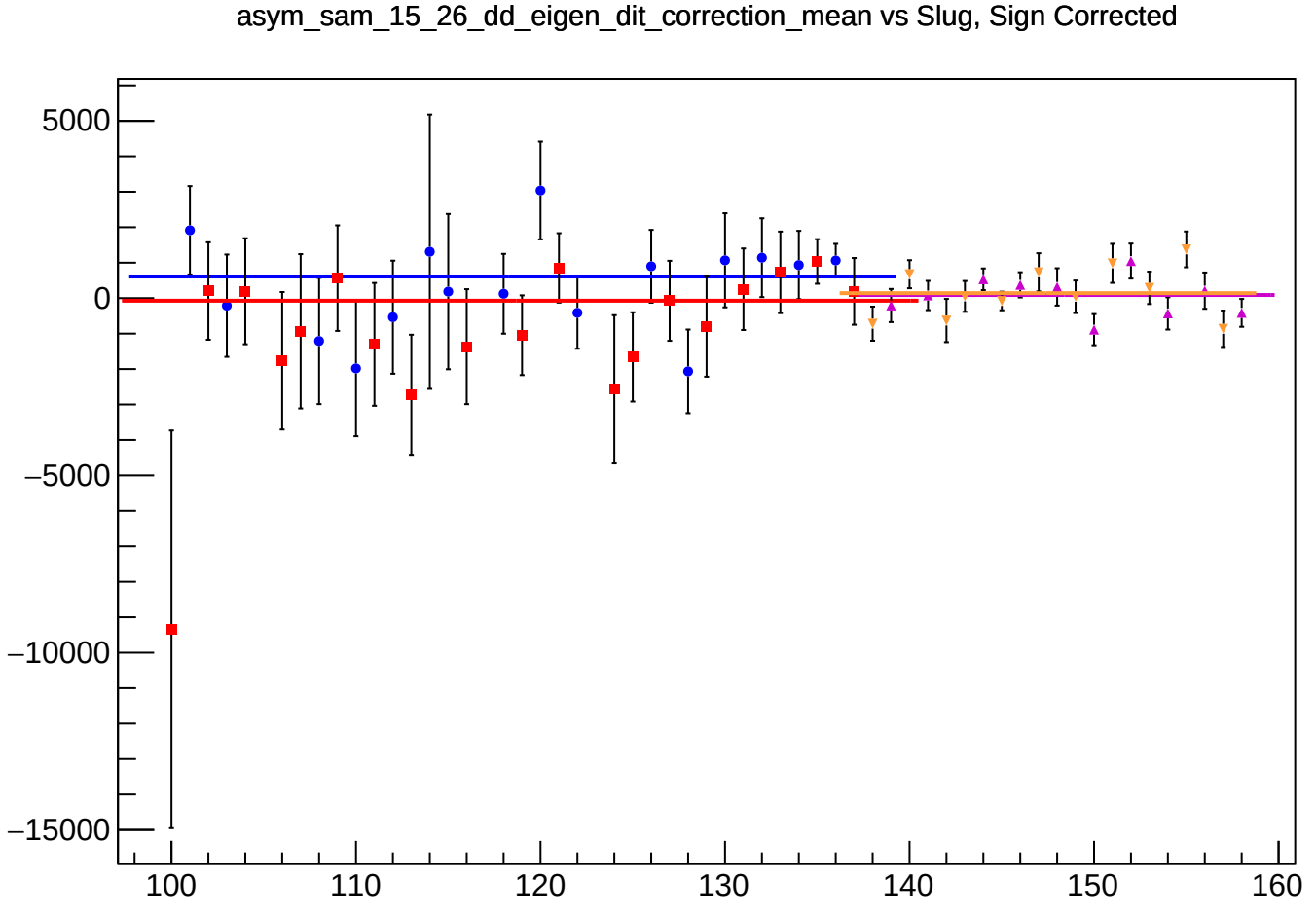
Left: 65.908+/-0.011 χ^2/NDF: 483023.8/20

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.234+/-0.013 χ^2/NDF:1183716.0/25

Out: 71.795+/-0.013 χ^2/NDF:1400286.2/29

All: 71.514+/-0.009 χ^2/NDF: 2584938.8/55



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 140.157+/-132.207 χ^2/NDF:20.9/10

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 88.265+/-132.364 χ^2/NDF:15.1/9

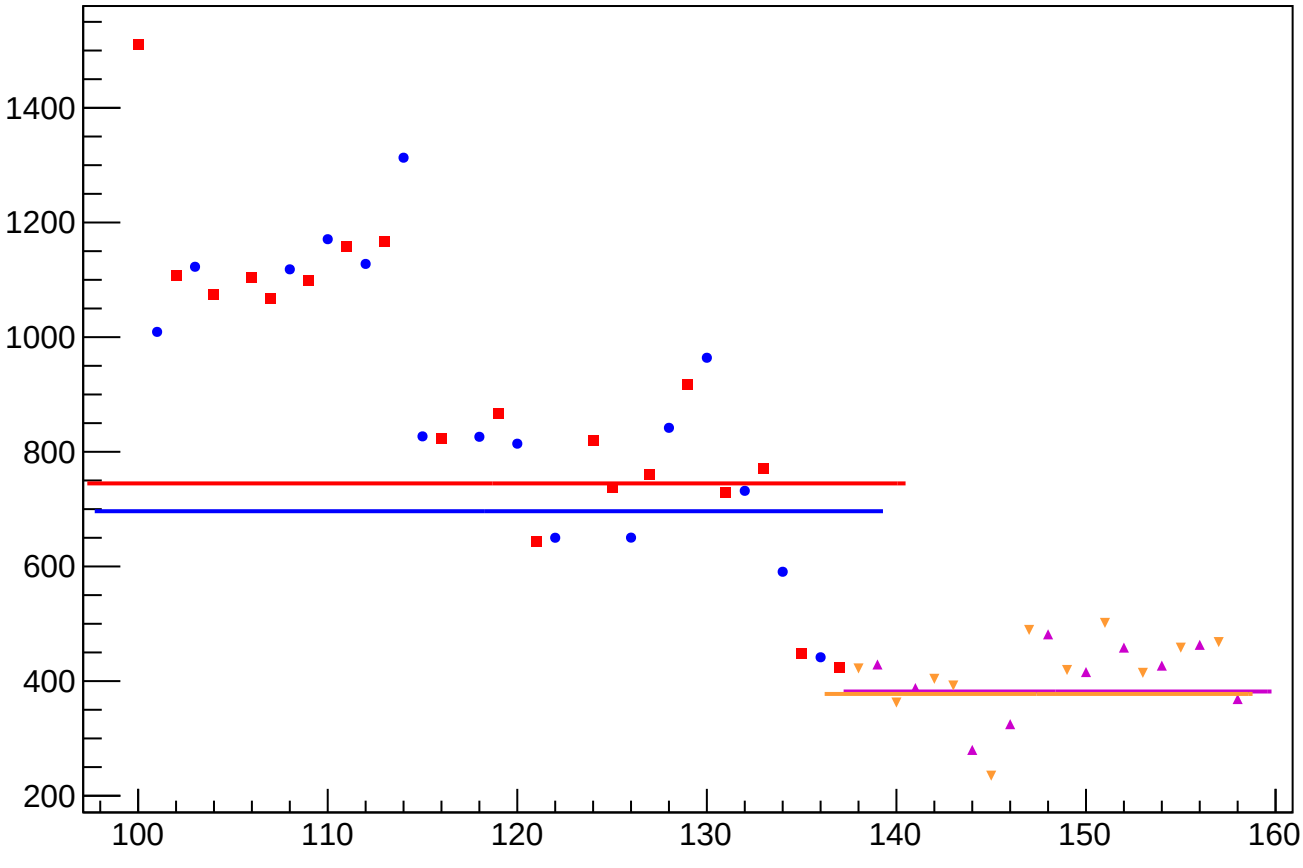
Left: 114.242+/-93.540 χ^2/NDF: 36.0/20

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 187.066+/-119.184 χ^2/NDF:33.8/25

Out: 102.926+/-120.067 χ^2/NDF:37.5/29

All: 145.307+/-84.586 χ^2/NDF: 71.6/55



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 377.617+/-0.093 χ^2/NDF:946994.4/10

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 381.867+/-0.094 χ^2/NDF:499330.2/9

Left: 379.739+/-0.066 χ^2/NDF: 1447356.6/20

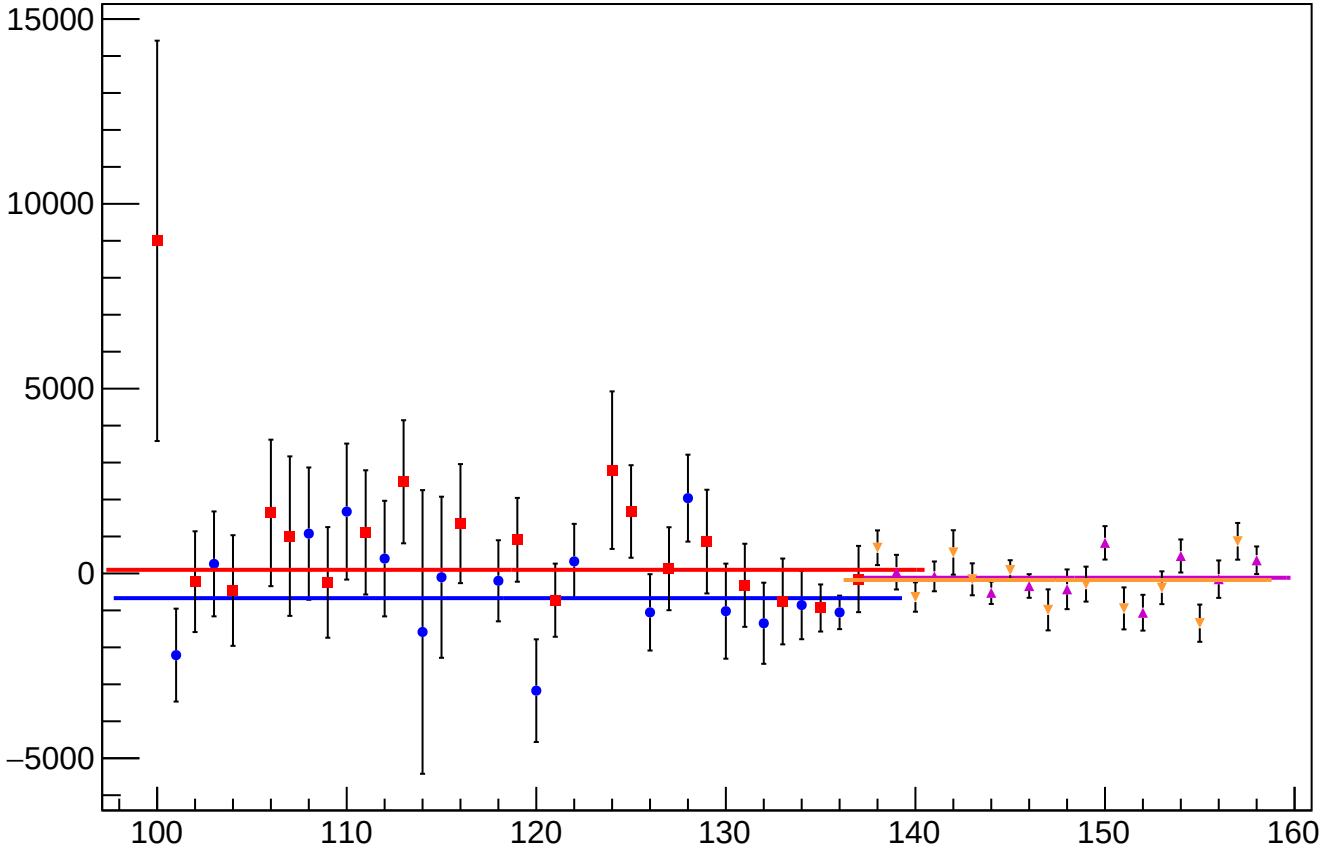
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 441.380+/-0.084 χ^2/NDF:4151454.6/25

Out: 441.970+/-0.085 χ^2/NDF:5149655.9/29

All: 441.673+/-0.060 χ^2/NDF: 9301134.8/55

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -177.577+/-132.715 χ^2/NDF:21.4/10

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -116.496+/-129.075 χ^2/NDF:14.2/9

Left: -146.187+/-92.530 χ^2/NDF: 35.7/20

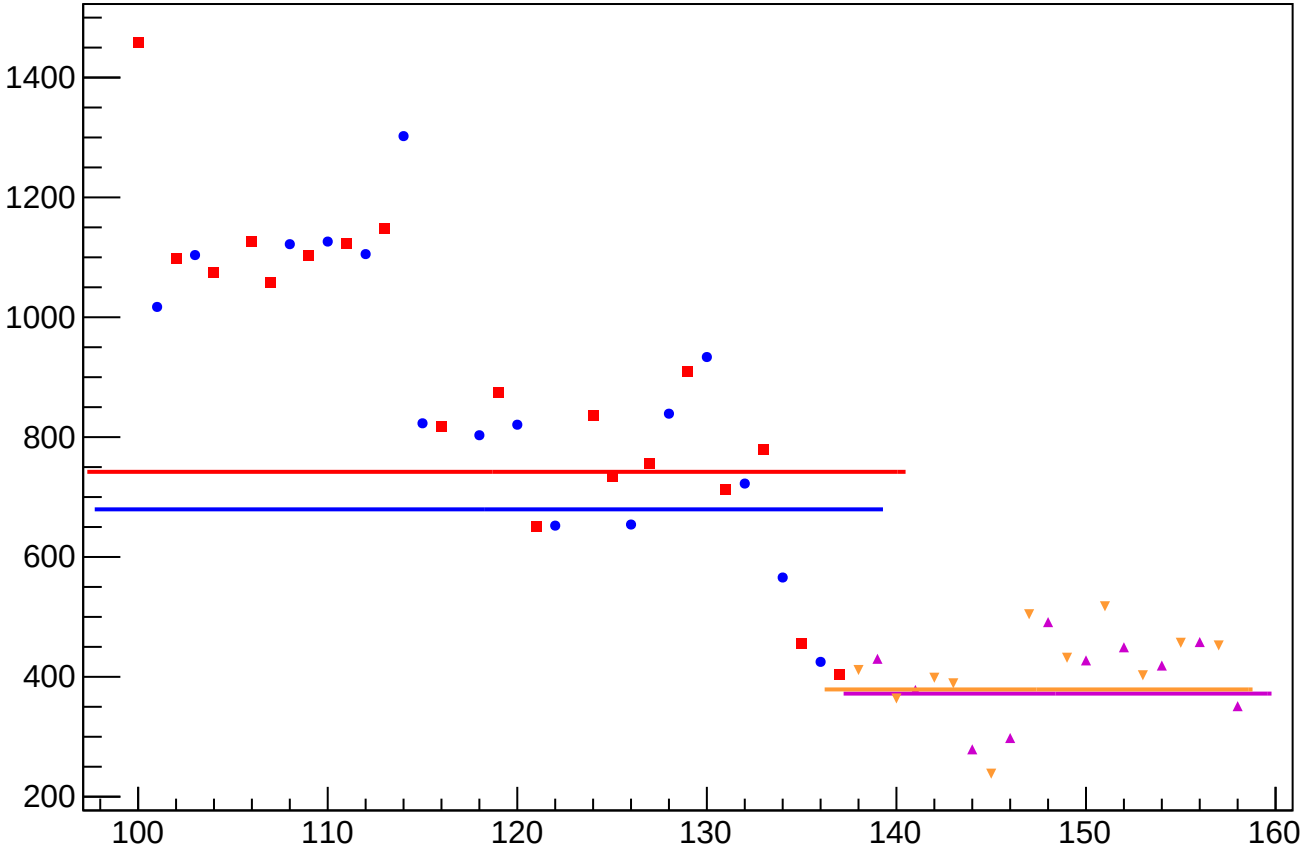
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -220.147+/-116.327 χ^2/NDF:33.8/25

Out: -128.716+/-120.376 χ^2/NDF:37.0/29

All: -175.995+/-83.651 χ^2/NDF: 71.1/55

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 378.982+/-0.094 χ^2/NDF:909447.3/10

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 372.033+/-0.091 χ^2/NDF:591941.1/9

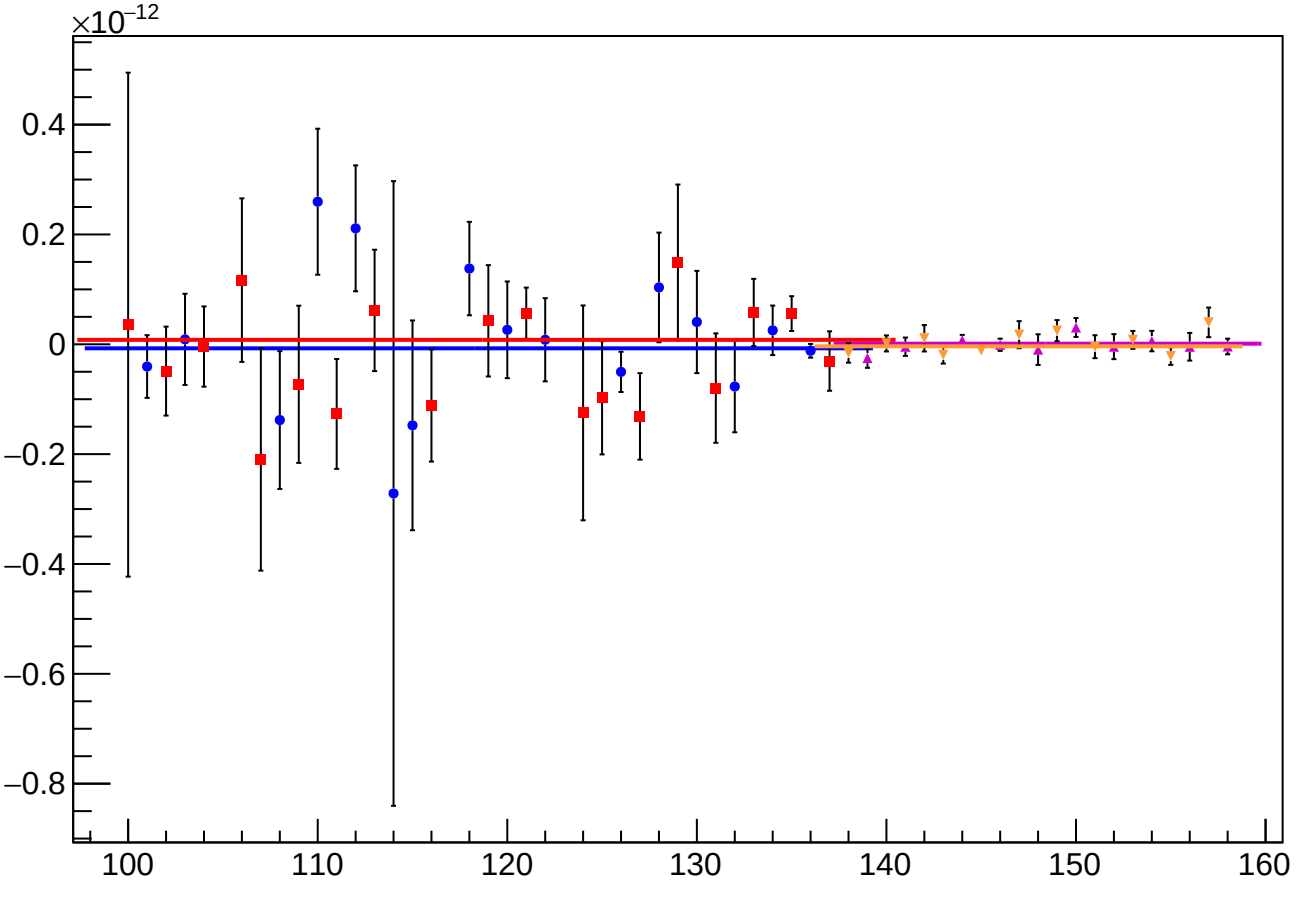
Left: 375.411+/-0.065 χ^2/NDF: 1504206.5/20

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 429.760+/-0.082 χ^2/NDF:4323373.2/25

Out: 443.360+/-0.085 χ^2/NDF:5068124.9/29

All: 436.327+/-0.059 χ^2/NDF: 9404697.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

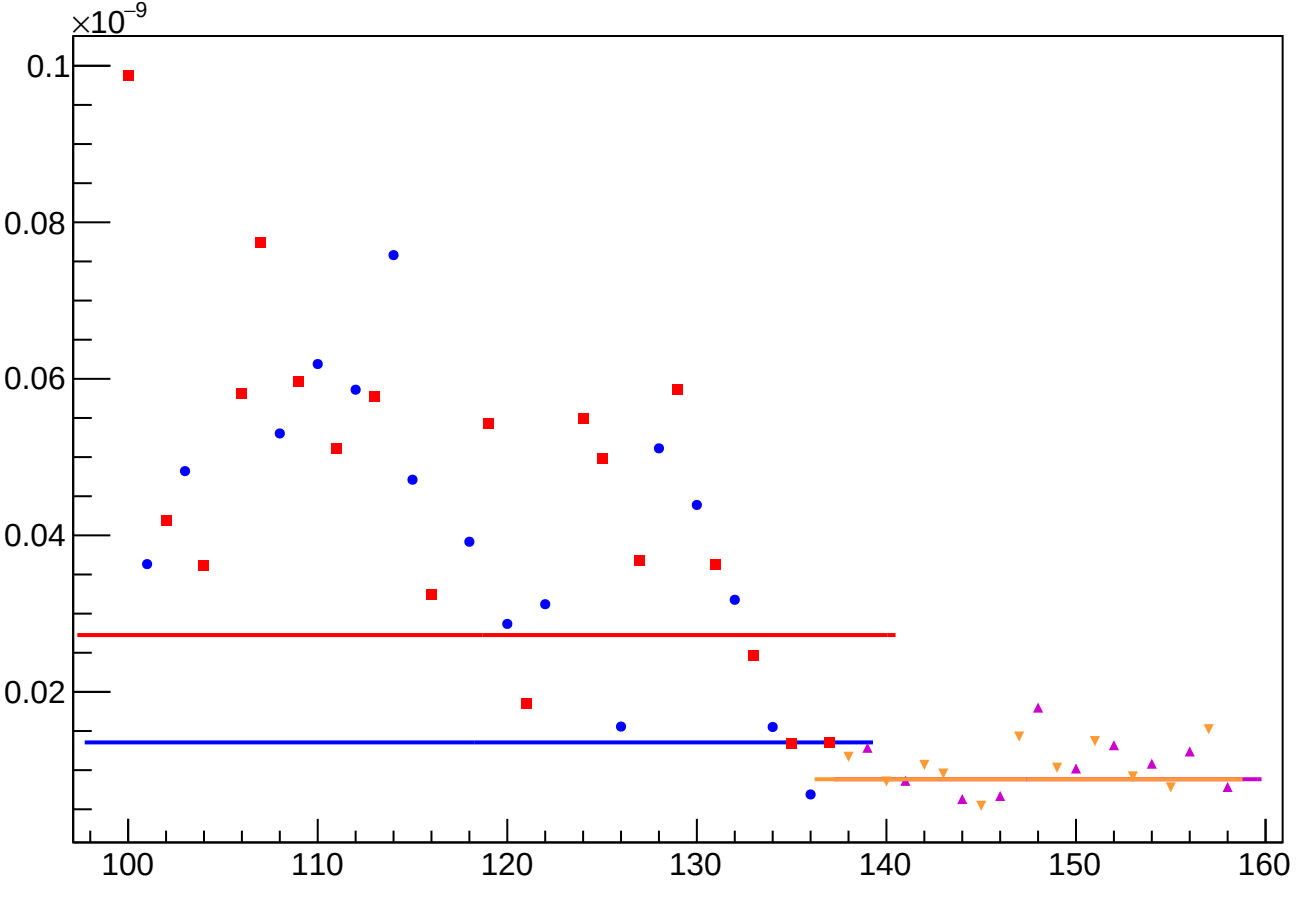
Left: -0.000+/-0.000 χ^2/NDF: 16.5/20

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:23.8/25

Out: -0.000+/-0.000 χ^2/NDF:27.3/29

All: -0.000+/-0.000 χ^2/NDF: 51.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:705461.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:680871.6/9

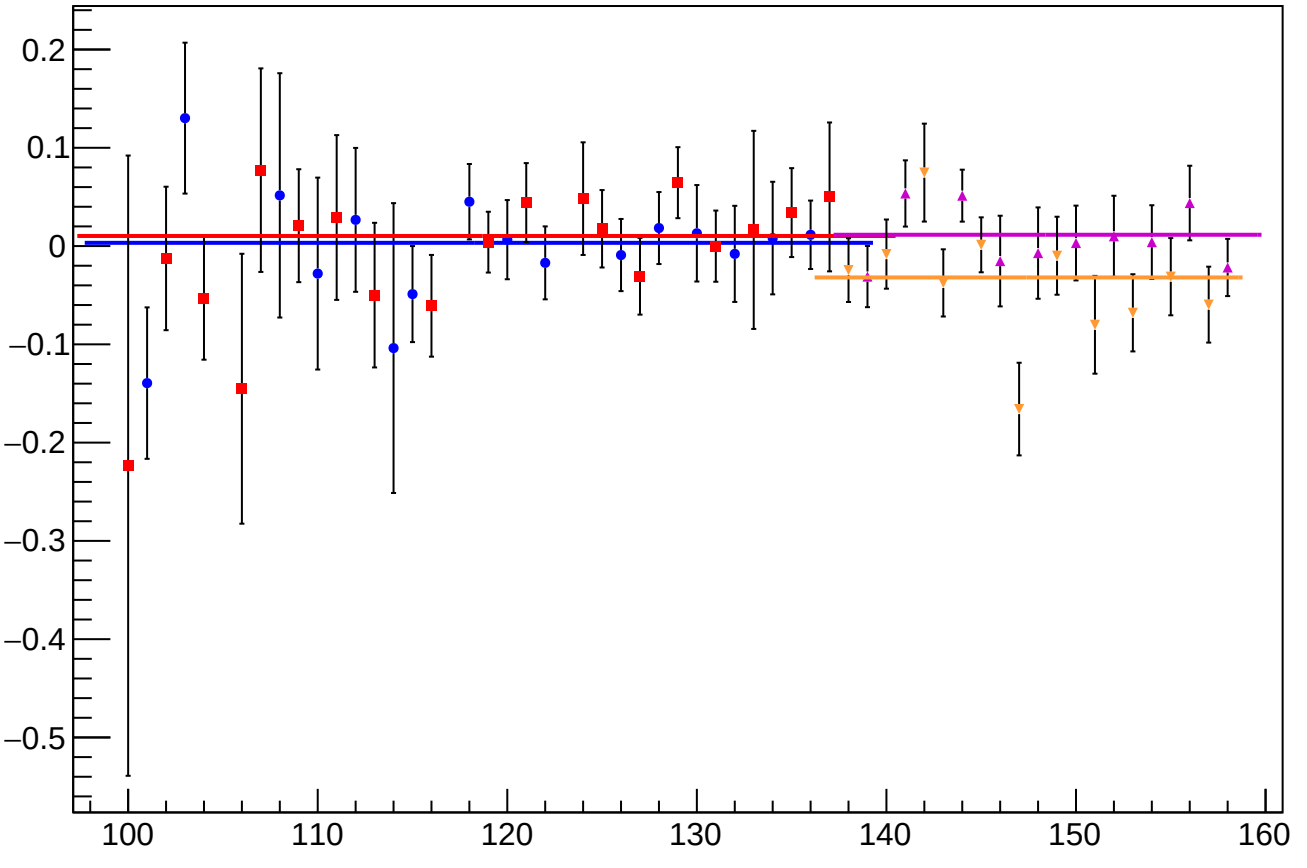
Left: 0.000+/-0.000 χ^2/NDF: 1386332.7/20

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4057242.9/25

Out: 0.000+/-0.000 χ^2/NDF:4538718.3/29

All: 0.000+/-0.000 χ^2/NDF: 8607615.1/55



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.011 χ^2/NDF:17.2/10

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.012+/-0.011 χ^2/NDF:8.3/9

Left: -0.010+/-0.008 χ^2/NDF: 33.0/20

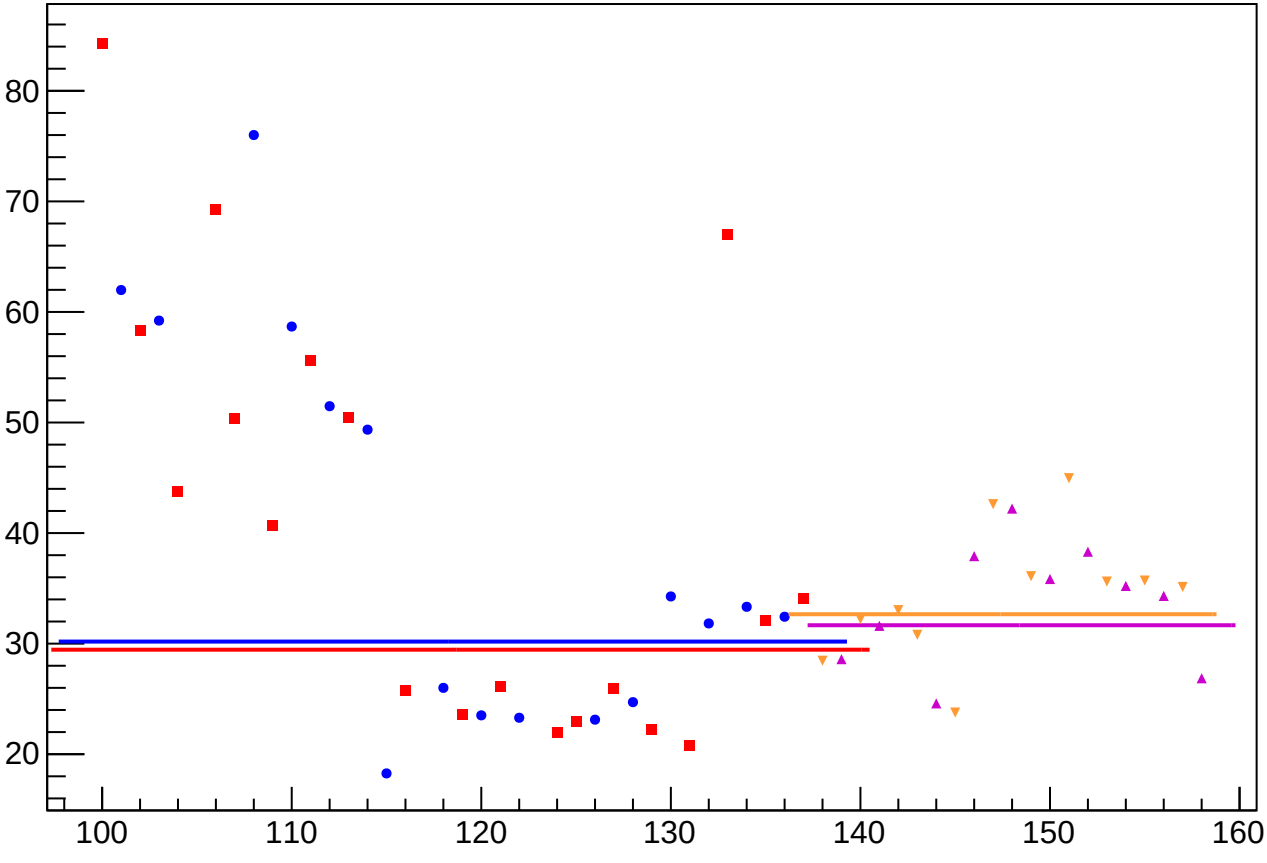
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/25

Out: -0.012+/-0.008 χ^2/NDF:35.1/29

All: -0.002+/-0.006 χ^2/NDF: 56.6/55

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.659+/-0.008 χ^2/NDF:500527.6/10

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.664+/-0.008 χ^2/NDF:460182.1/9

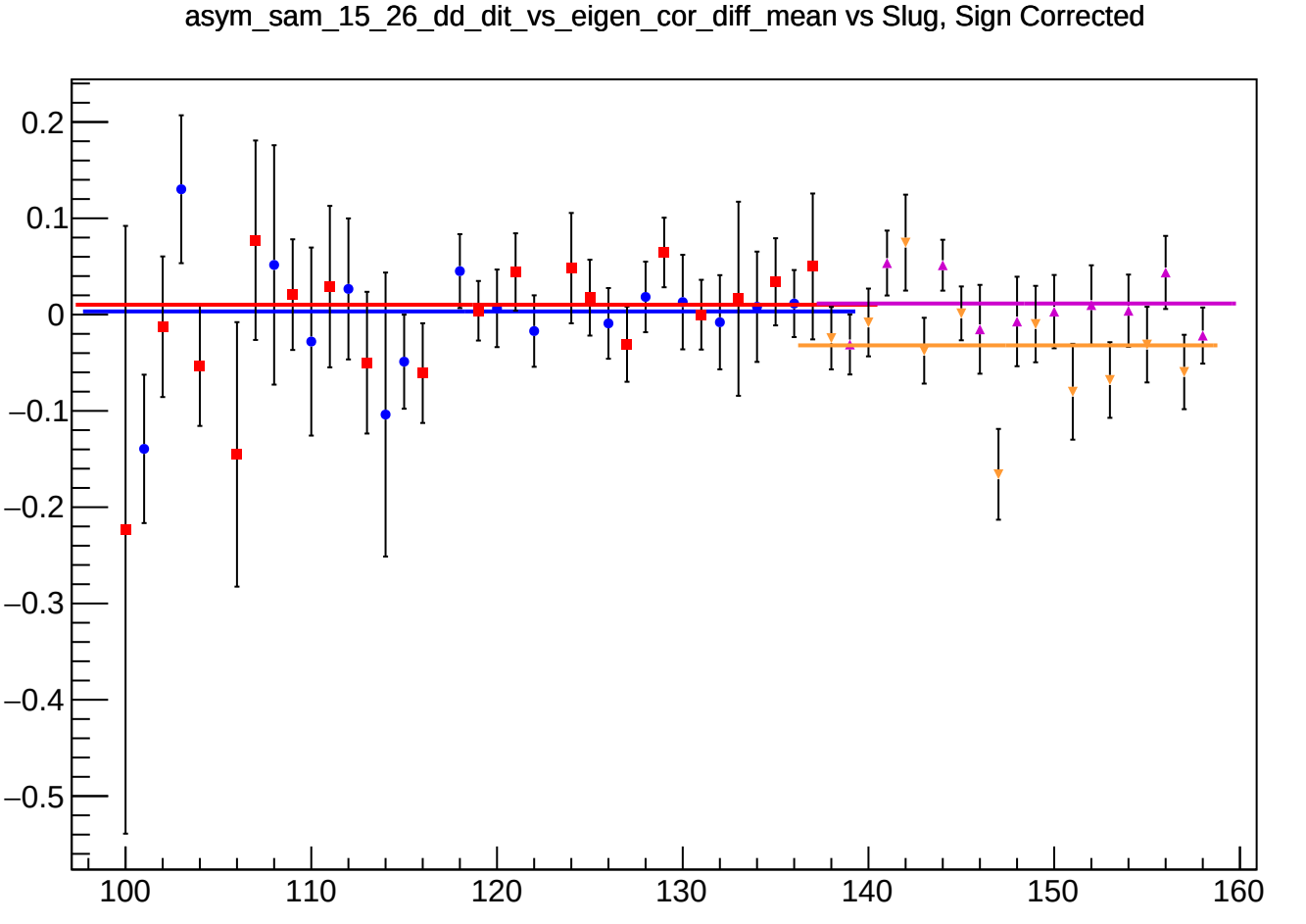
Left: 32.149+/-0.006 χ^2/NDF: 968583.4/20

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.000+/-0.006 χ^2/NDF:2163490.8/25

Out: 31.119+/-0.006 χ^2/NDF:2425792.5/29

All: 31.060+/-0.004 χ^2/NDF: 4589491.0/55



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.011 χ^2/NDF:17.2/10

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.012+/-0.011 χ^2/NDF:8.3/9

Left: -0.010+/-0.008 χ^2/NDF: 33.0/20

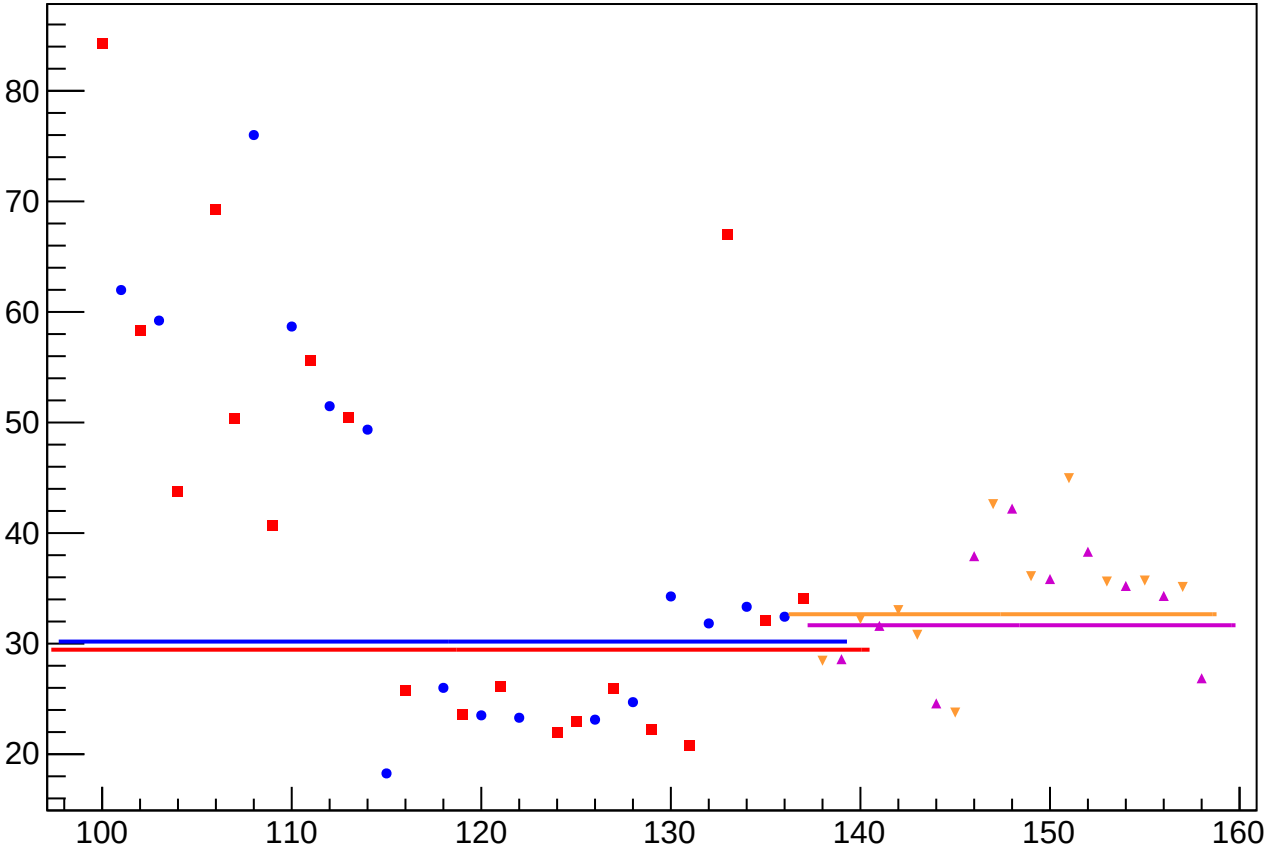
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/25

Out: -0.012+/-0.008 χ^2/NDF:35.1/29

All: -0.002+/-0.006 χ^2/NDF: 56.6/55

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: 32.659+/-0.008 χ^2/NDF:500527.6/10

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.664+/-0.008 χ^2/NDF:460182.1/9

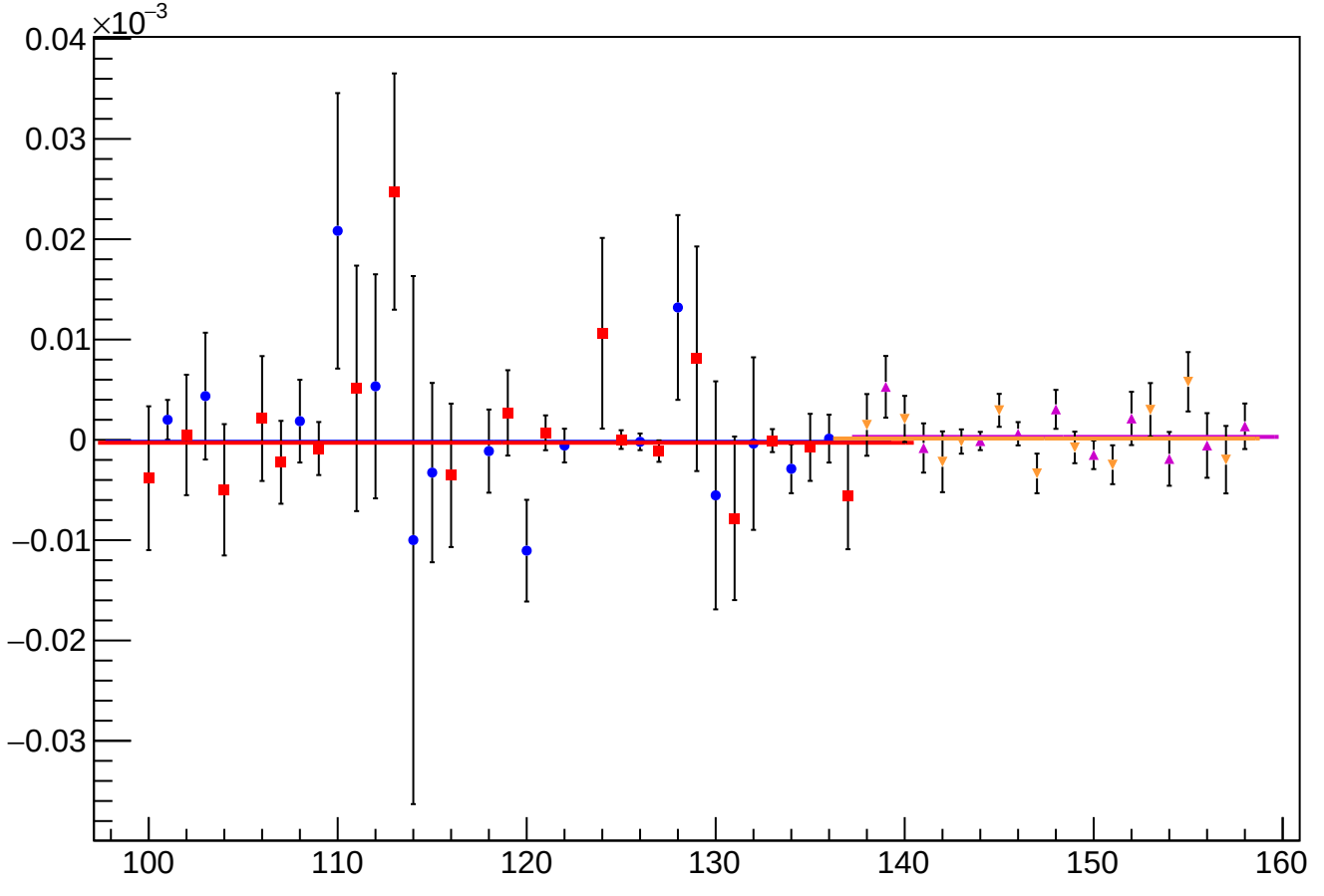
Left: 32.149+/-0.006 χ^2/NDF: 968583.4/20

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.000+/-0.006 χ^2/NDF:2163490.8/25

Out: 31.119+/-0.006 χ^2/NDF:2425792.5/29

All: 31.060+/-0.004 χ^2/NDF: 4589491.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/9

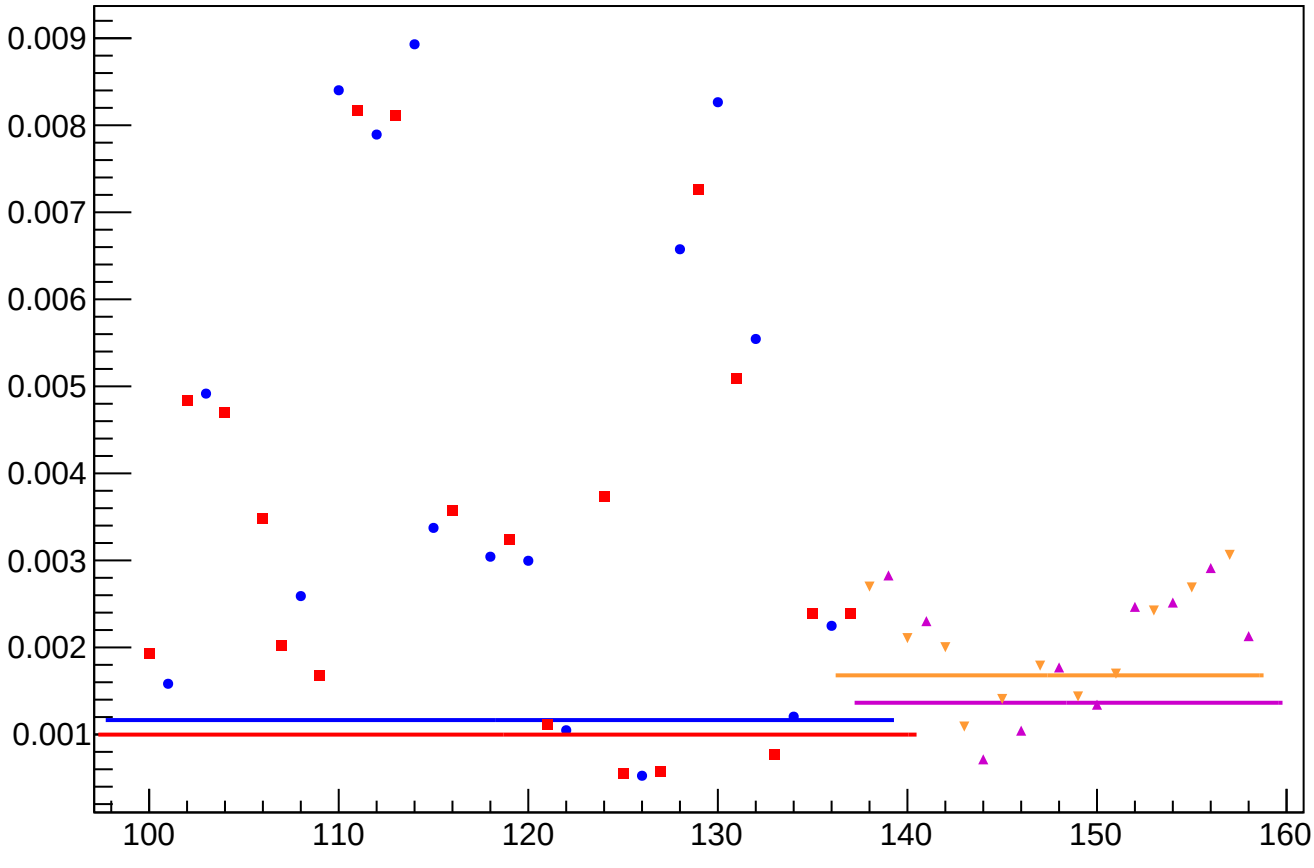
Left: 0.000+/-0.000 χ^2/NDF: 23.1/20

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:21.6/25

Out: -0.000+/-0.000 χ^2/NDF:26.6/29

All: -0.000+/-0.000 χ^2/NDF: 48.3/55



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1619236.9/10

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3406710.0/9

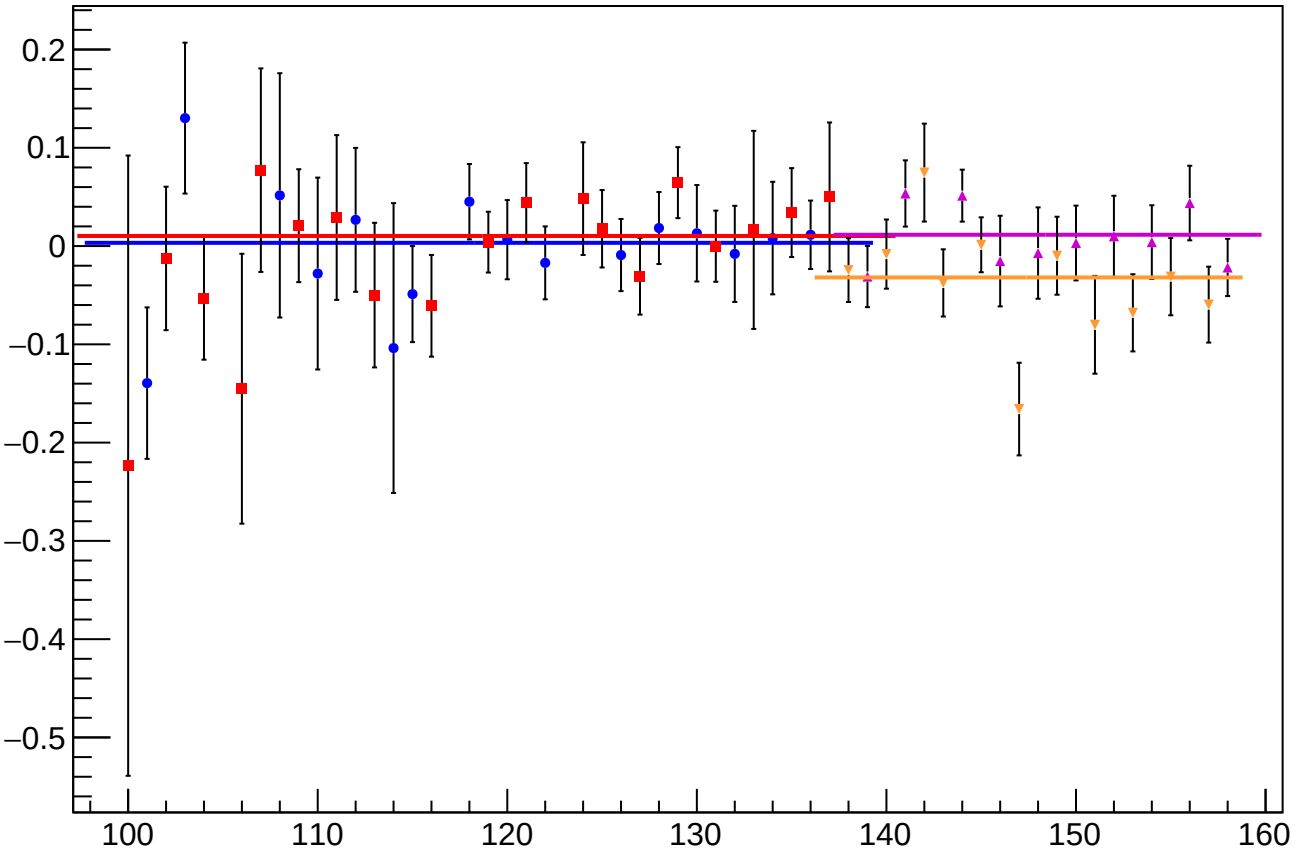
Left: 0.002+/-0.000 χ^2/NDF: 5331822.8/20

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:10408687.2/25

Out: 0.001+/-0.000 χ^2/NDF:10005848.5/29

All: 0.001+/-0.000 χ^2/NDF: 20415088.0/55



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.011 χ^2/NDF:17.2/10

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.012+/-0.011 χ^2/NDF:8.3/9

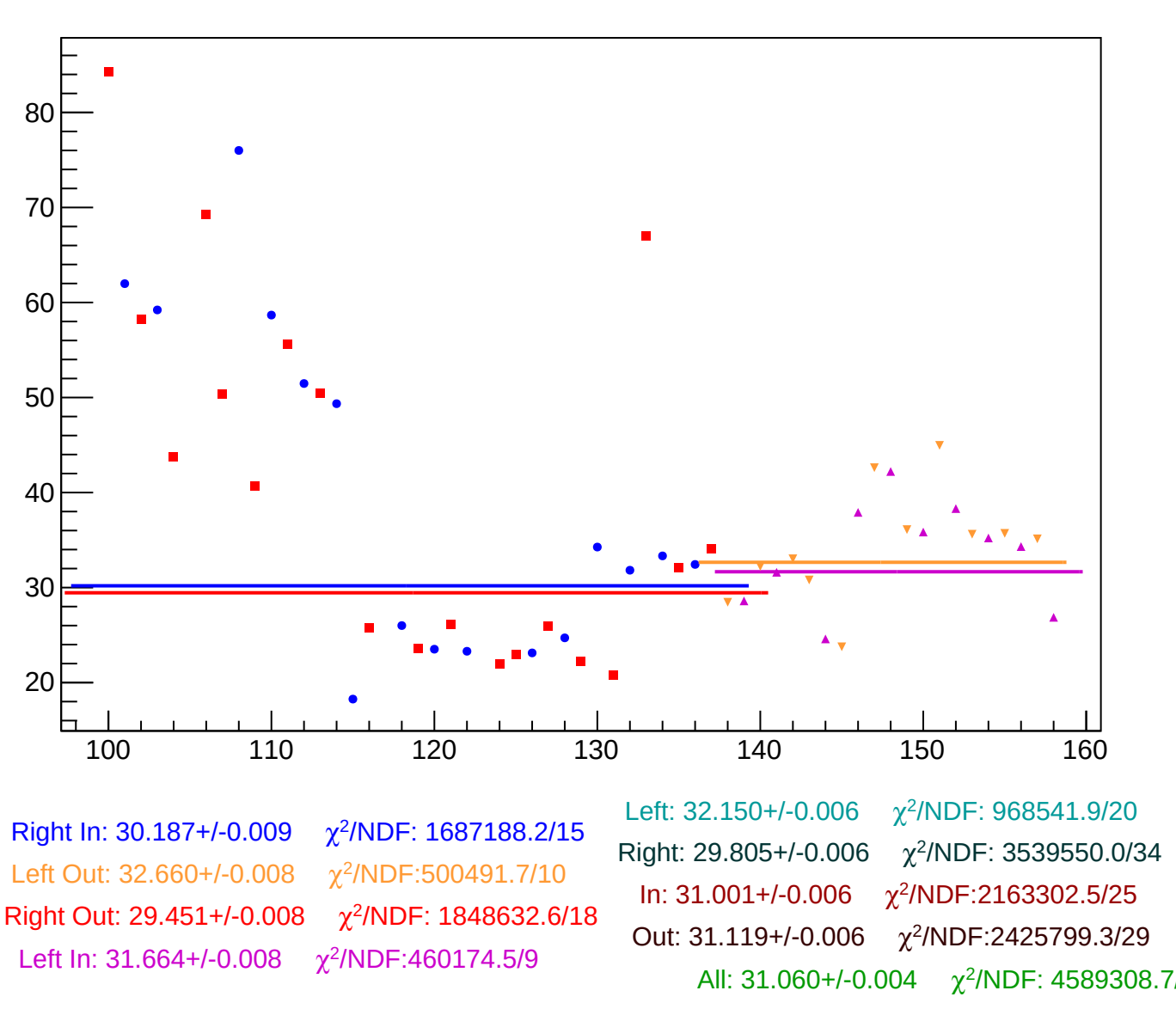
Left: -0.010+/-0.008 χ^2/NDF: 33.0/20

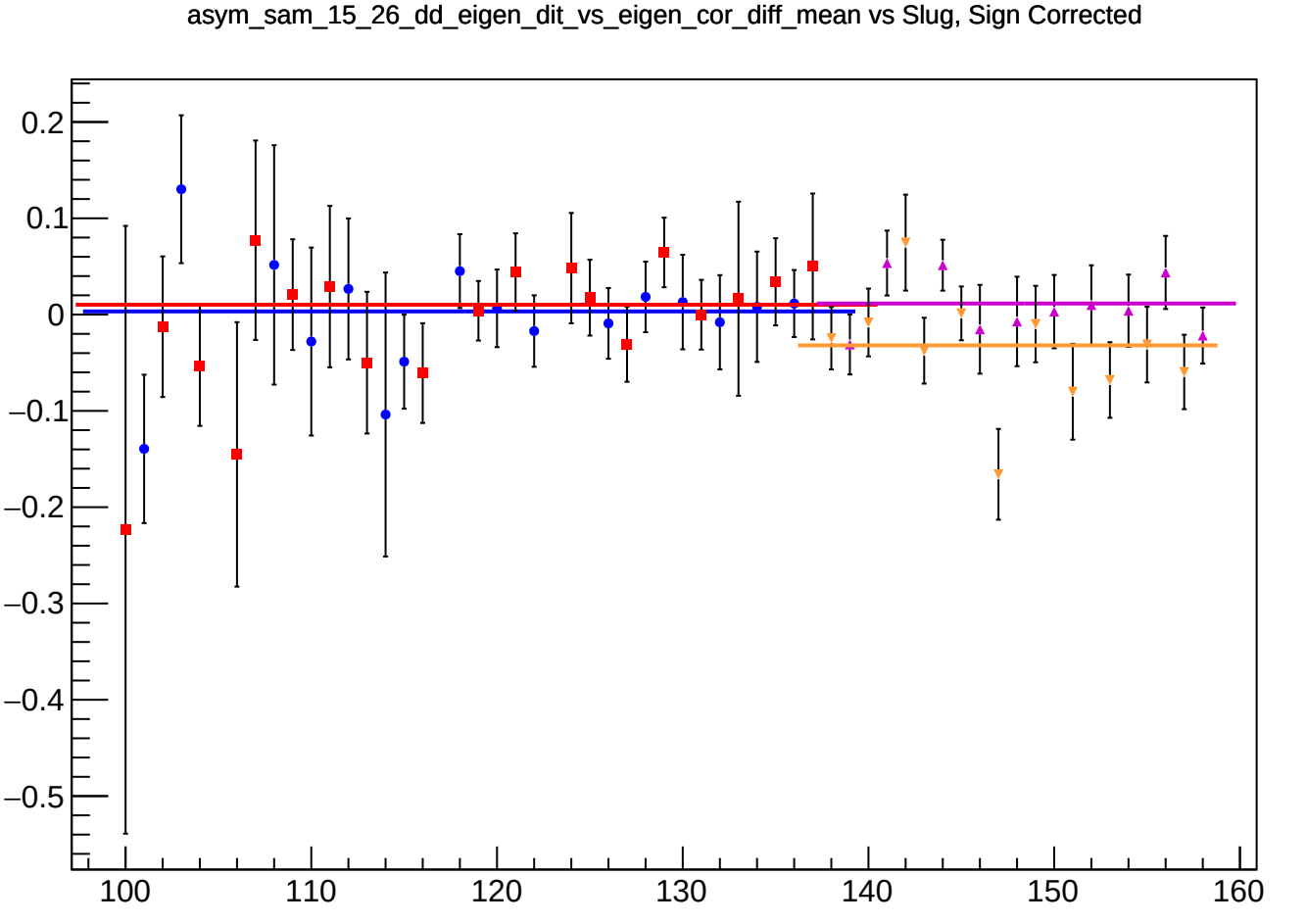
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/25

Out: -0.012+/-0.008 χ^2/NDF:35.1/29

All: -0.002+/-0.006 χ^2/NDF: 56.6/55


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 32.660+/-0.008 χ²/NDF:500491.7/10
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 31.664+/-0.008 χ²/NDF:460174.5/9
Left: 32.150+/-0.006 χ²/NDF: 968541.9/20
Right: 29.805+/-0.006 χ²/NDF: 3539550.0/34
In: 31.001+/-0.006 χ²/NDF:2163302.5/25
Out: 31.119+/-0.006 χ²/NDF:2425799.3/29
All: 31.060+/-0.004 χ²/NDF: 4589308.7/55



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.011 χ^2/NDF:17.2/10

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.012+/-0.011 χ^2/NDF:8.3/9

Left: -0.010+/-0.008 χ^2/NDF: 33.0/20

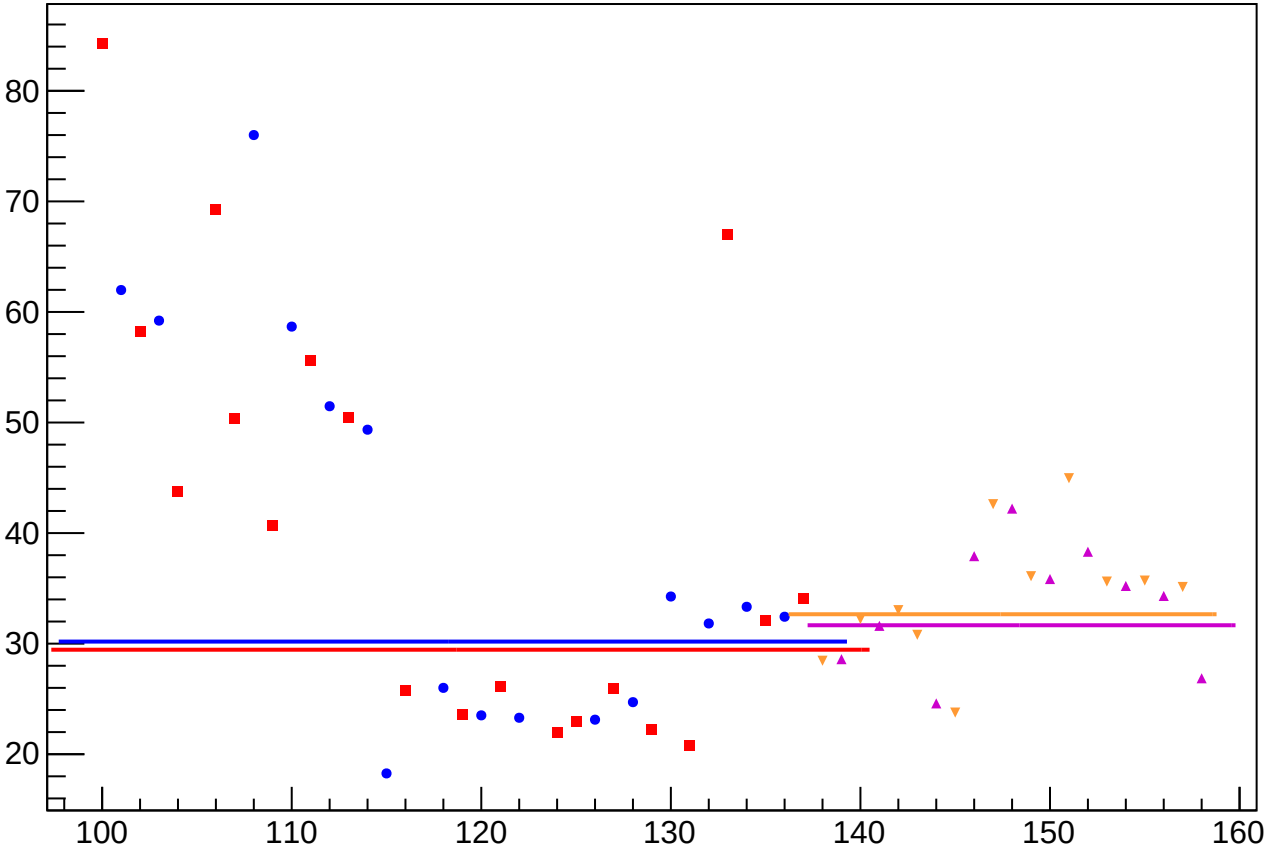
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/25

Out: -0.012+/-0.008 χ^2/NDF:35.1/29

All: -0.002+/-0.006 χ^2/NDF: 56.6/55

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: 32.660+/-0.008 χ^2/NDF:500491.7/10

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.664+/-0.008 χ^2/NDF:460174.5/9

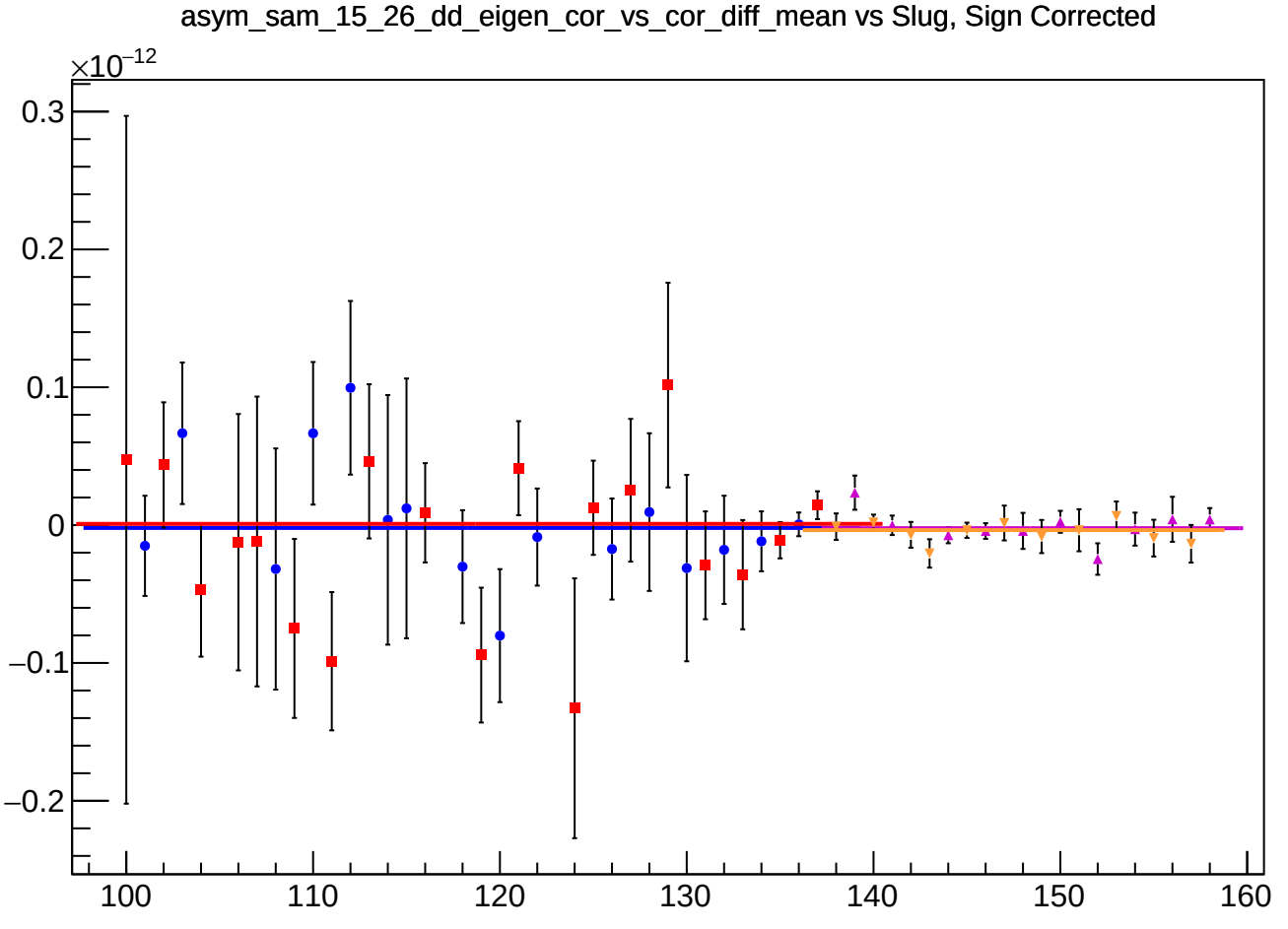
Left: 32.150+/-0.006 χ^2/NDF: 968541.9/20

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 31.001+/-0.006 χ^2/NDF:2163302.5/25

Out: 31.119+/-0.006 χ^2/NDF:2425799.3/29

All: 31.060+/-0.004 χ^2/NDF: 4589308.7/55



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/9

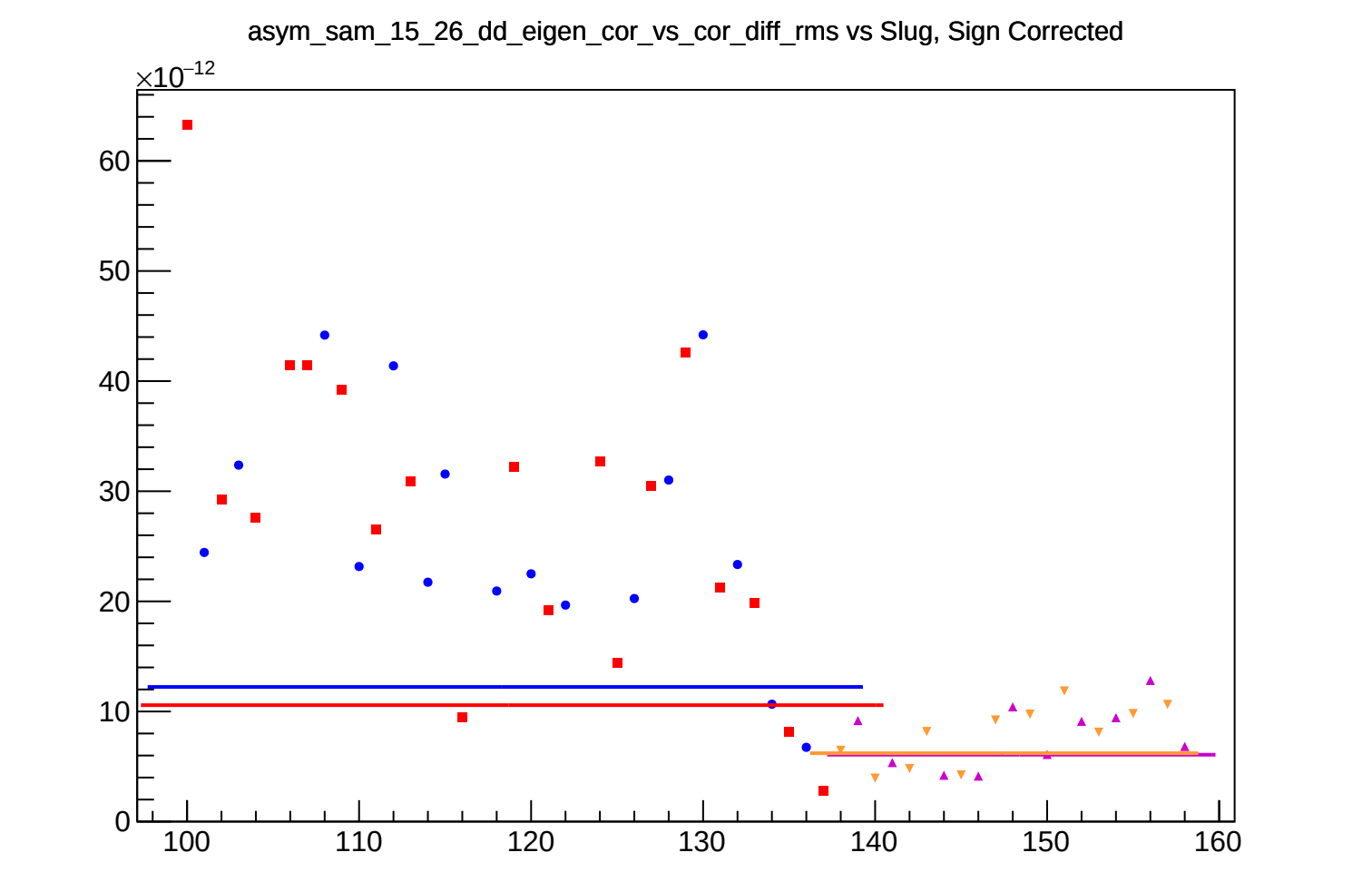
Left: -0.000+/-0.000 χ^2/NDF: 16.2/20

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:20.7/25

Out: -0.000+/-0.000 χ^2/NDF:27.6/29

All: -0.000+/-0.000 χ^2/NDF: 48.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1672636.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1461504.3/9

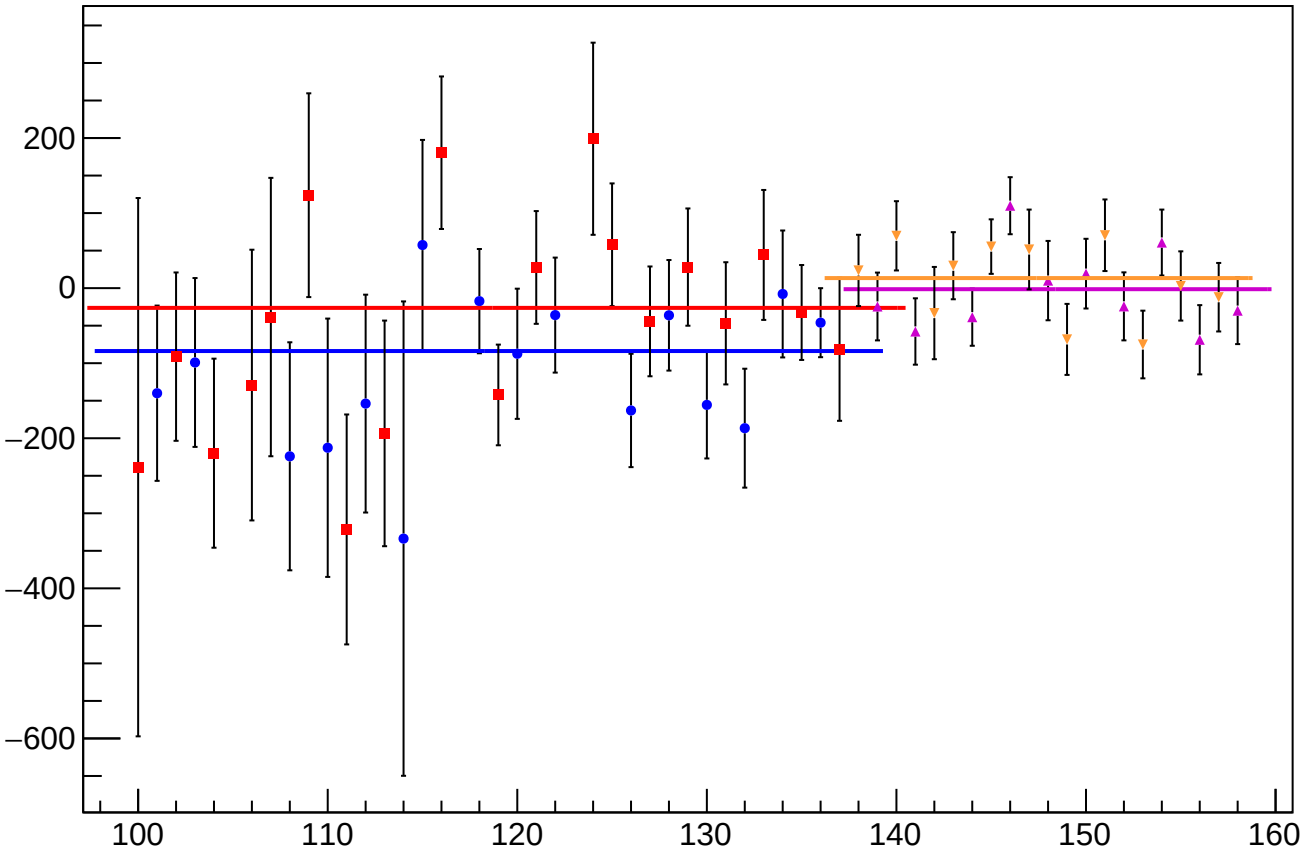
Left: 0.000+/-0.000 χ^2/NDF: 3136797.1/20

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6313674.3/25

Out: 0.000+/-0.000 χ^2/NDF:7175816.9/29

All: 0.000+/-0.000 χ^2/NDF: 13489723.9/55



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 13.406+/-13.979 χ^2/NDF:12.7/10

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -1.405+/-13.890 χ^2/NDF:16.5/9

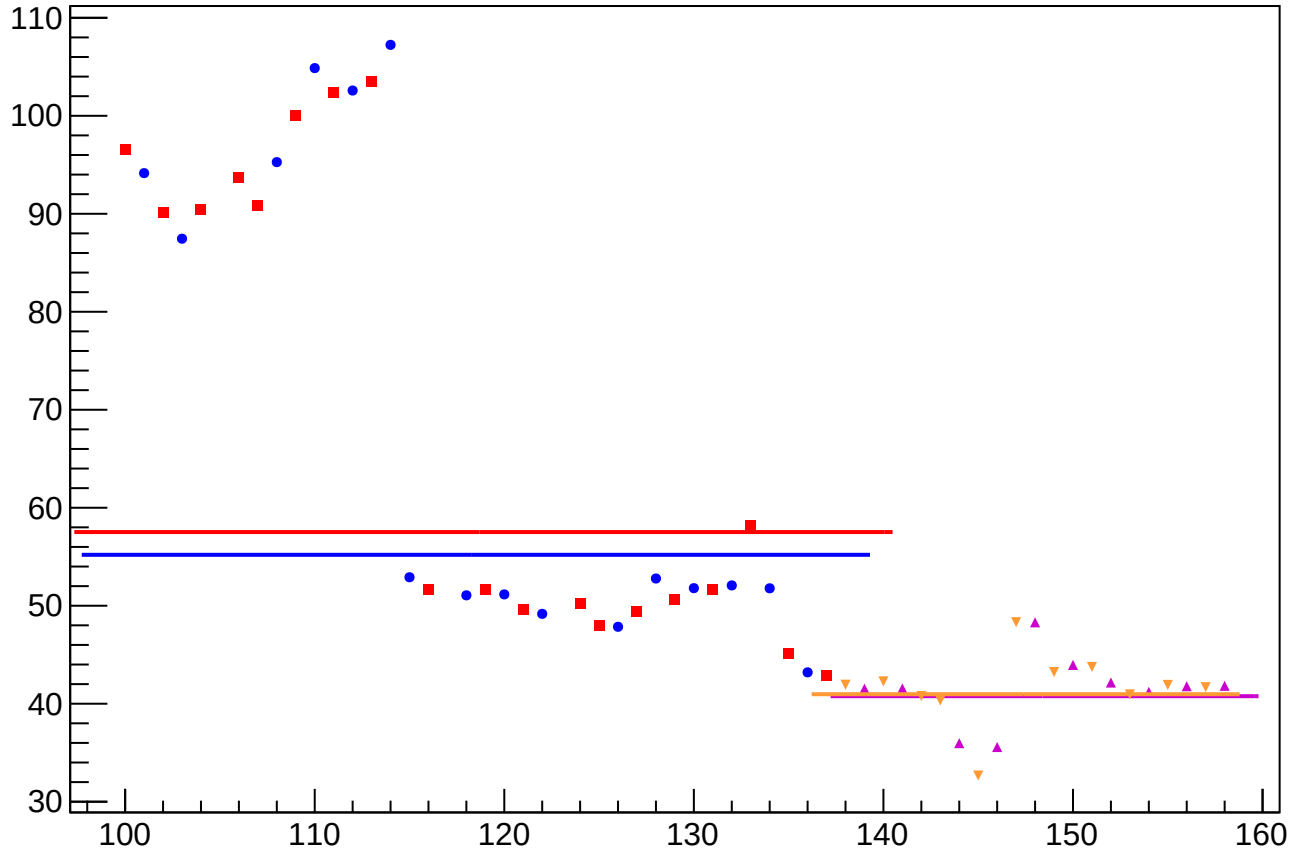
Left: 5.953+/-9.853 χ^2/NDF: 29.7/20

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -25.775+/-11.657 χ^2/NDF:37.4/25

Out: 2.035+/-11.809 χ^2/NDF:38.0/29

All: -12.051+/-8.296 χ^2/NDF: 78.2/55



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.969+/-0.010 χ^2/NDF:158223.9/10

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

Left: 40.868+/-0.007 χ^2/NDF: 282839.1/20

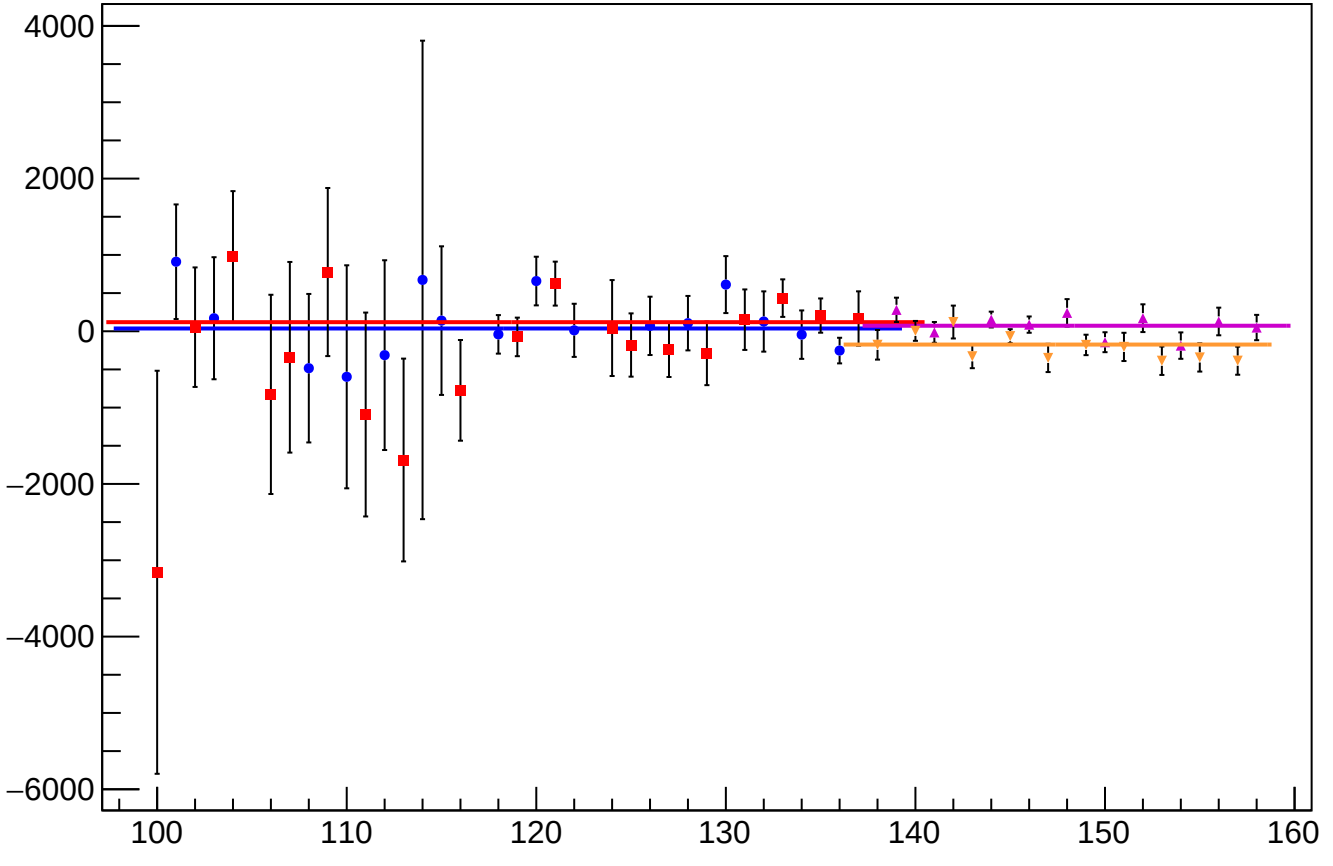
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 45.036+/-0.008 χ^2/NDF:1915312.9/25

Out: 45.709+/-0.008 χ^2/NDF:2242798.5/29

All: 45.368+/-0.006 χ^2/NDF: 4161404.7/55

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -174.138+/-46.153 χ^2/NDF:10.6/10

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 72.333+/-44.988 χ^2/NDF:9.0/9

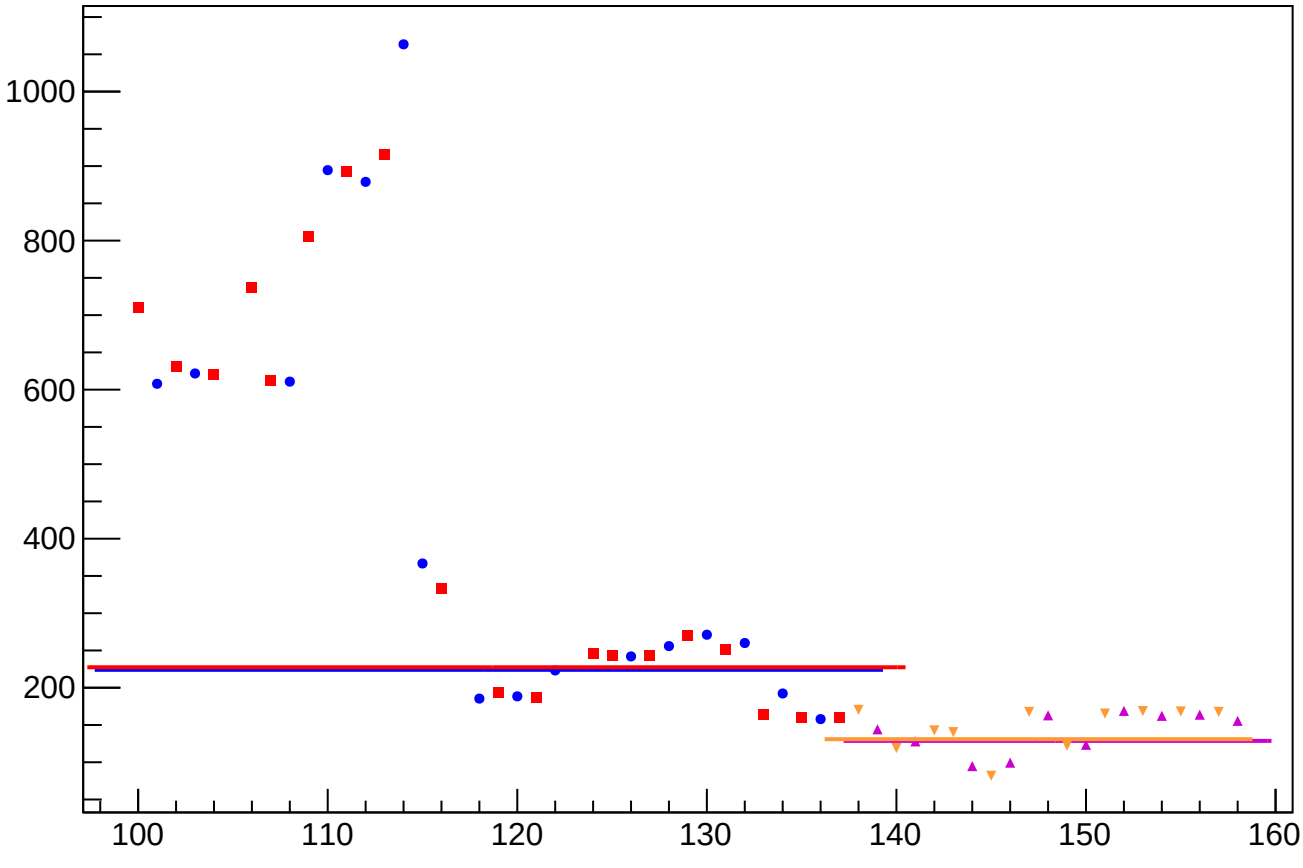
Left: -47.752+/-32.215 χ^2/NDF: 34.2/20

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 65.572+/-40.544 χ^2/NDF:20.6/25

Out: -118.918+/-41.582 χ^2/NDF:34.2/29

All: -24.342+/-29.029 χ^2/NDF: 64.8/55



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 130.943+/-0.033 χ^2/NDF:1085010.5/10

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 128.672+/-0.032 χ^2/NDF:759498.6/9

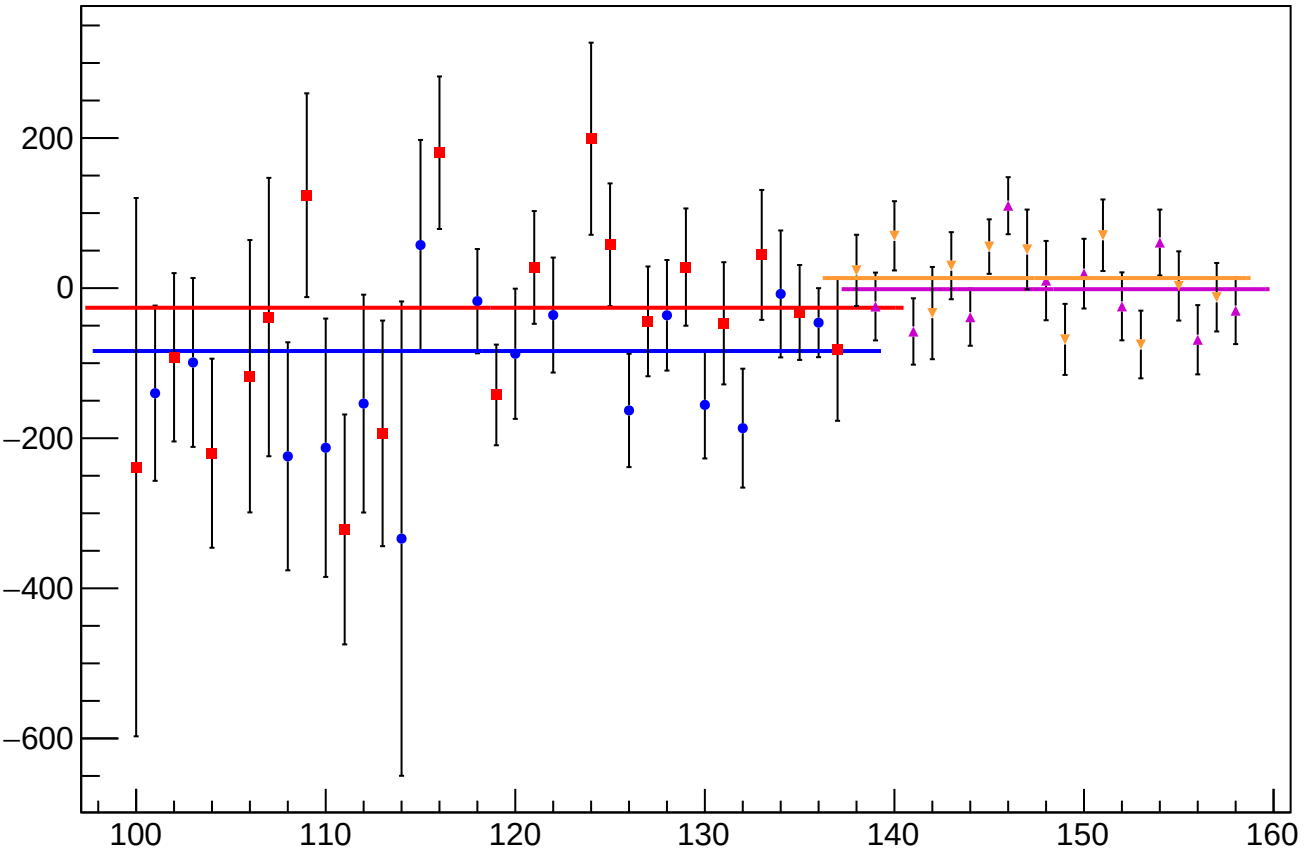
Left: 129.778+/-0.023 χ^2/NDF: 1846991.1/20

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 146.581+/-0.029 χ^2/NDF:5415335.3/25

Out: 149.112+/-0.029 χ^2/NDF:6372051.6/29

All: 147.814+/-0.021 χ^2/NDF: 11791186.7/55



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 13.404+/-13.979 χ^2/NDF:12.7/10

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -1.405+/-13.890 χ^2/NDF:16.5/9

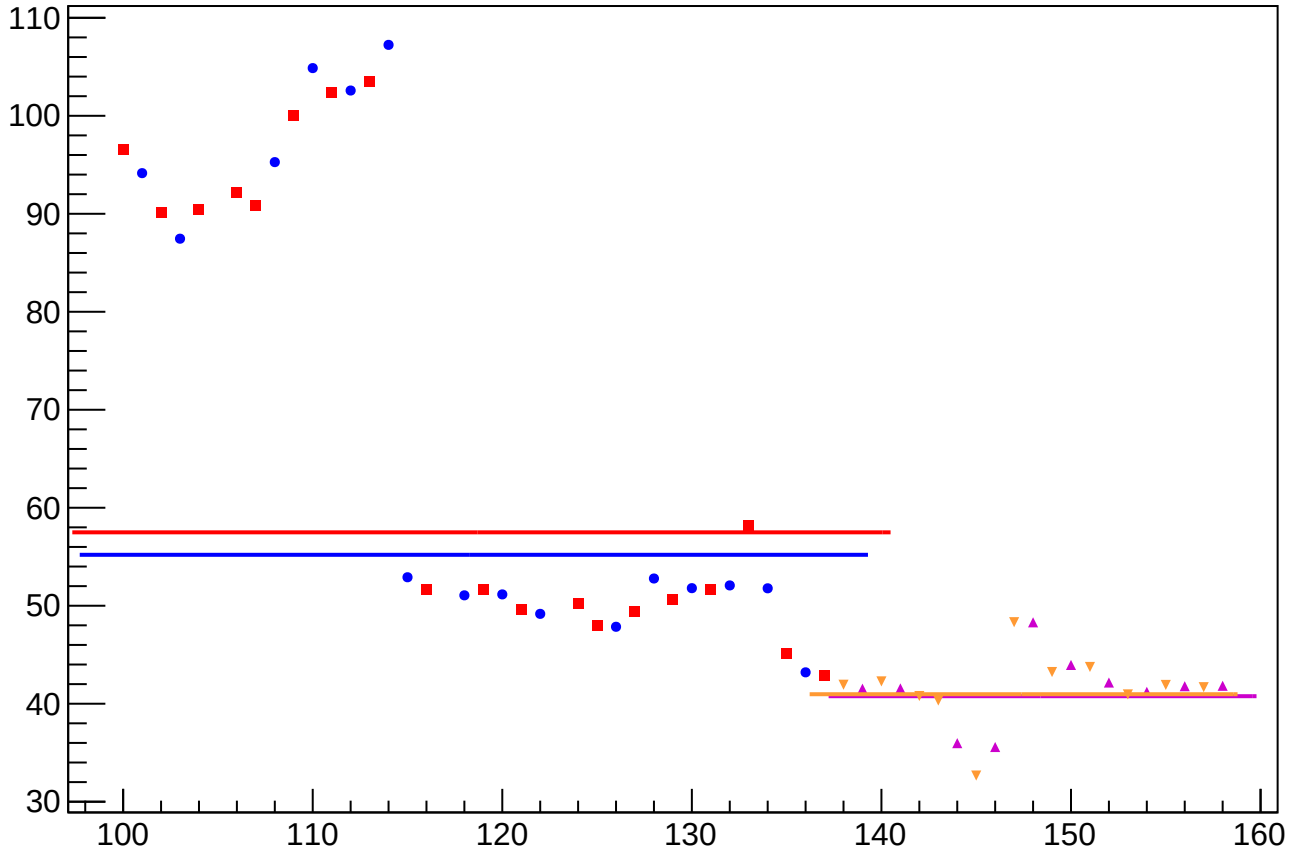
Left: 5.952+/-9.853 χ^2/NDF: 29.7/20

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -25.775+/-11.657 χ^2/NDF:37.4/25

Out: 2.081+/-11.809 χ^2/NDF:37.9/29

All: -12.028+/-8.296 χ^2/NDF: 78.2/55



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.969+/-0.010 χ^2/NDF:158223.9/10

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

Left: 40.868+/-0.007 χ^2/NDF: 282839.1/20

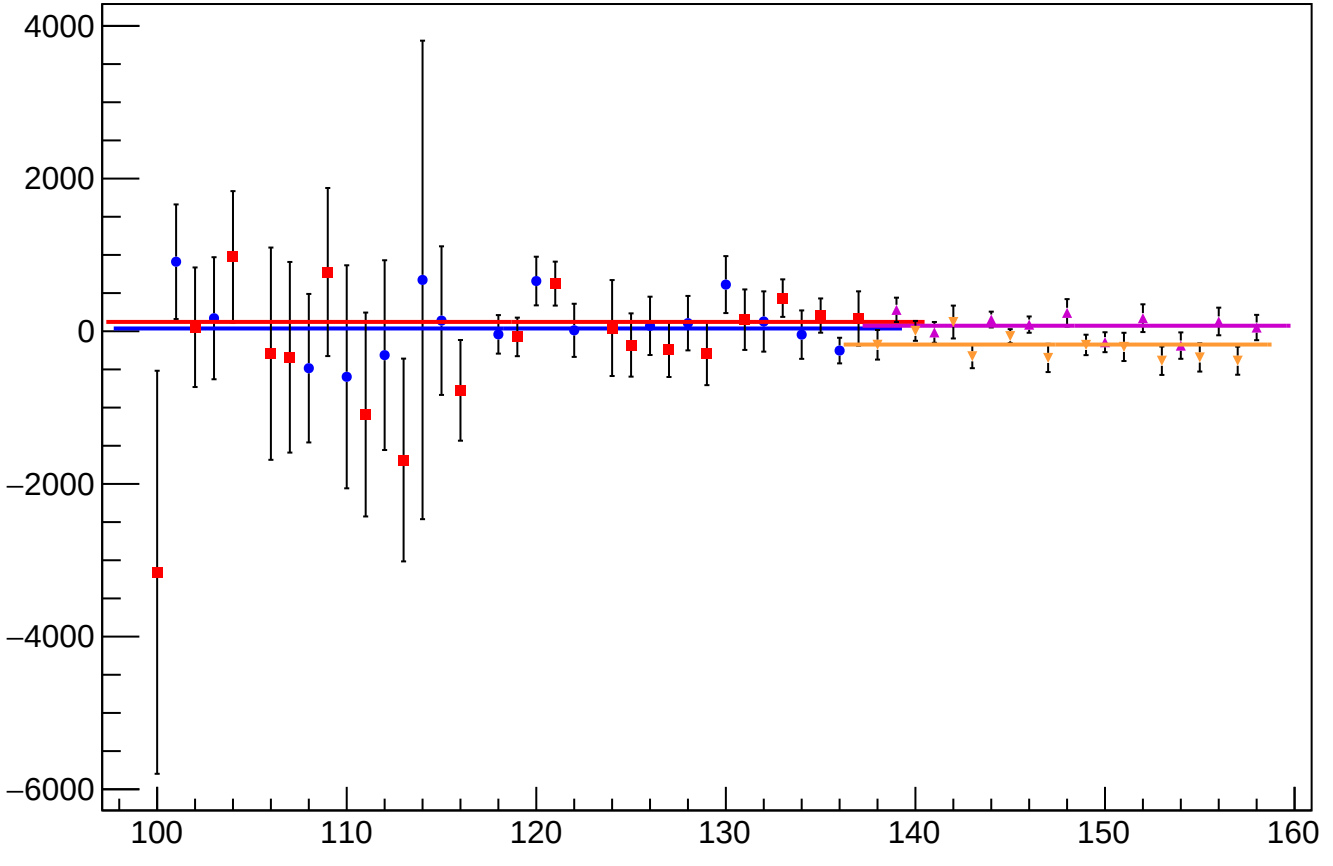
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.036+/-0.008 χ^2/NDF:1915313.2/25

Out: 45.700+/-0.008 χ^2/NDF:2232484.7/29

All: 45.363+/-0.006 χ^2/NDF: 4151004.4/55

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -174.141+/-46.153 χ^2/NDF:10.6/10

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 72.332+/-44.988 χ^2/NDF:9.0/9

Left: -47.753+/-32.215 χ^2/NDF: 34.2/20

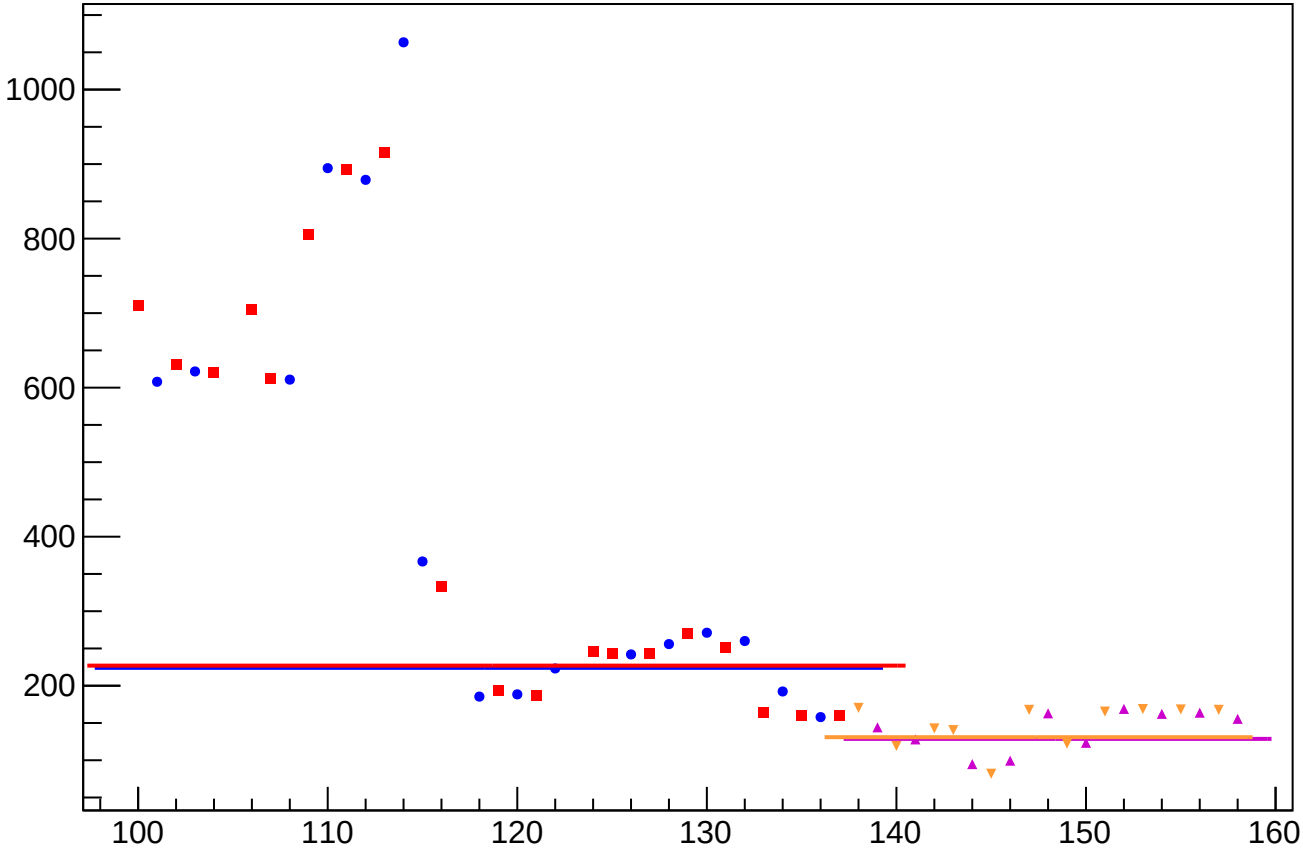
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 65.571+/-40.544 χ^2/NDF:20.6/25

Out: -118.362+/-41.585 χ^2/NDF:33.9/29

All: -24.066+/-29.030 χ^2/NDF: 64.5/55

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 130.943+/-0.033 χ^2/NDF:1085016.1/10

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 128.672+/-0.032 χ^2/NDF:759500.1/9

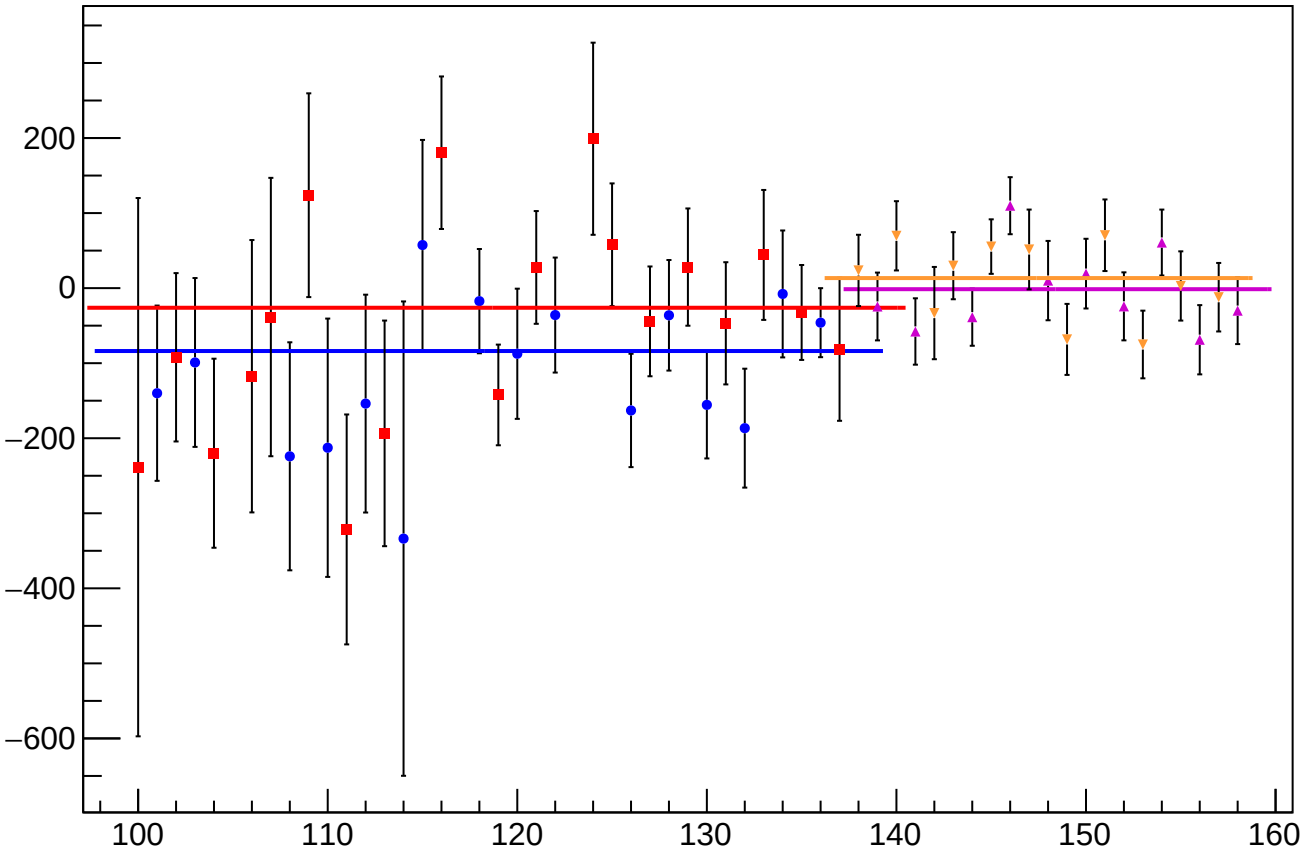
Left: 129.778+/-0.023 χ^2/NDF: 1846998.6/20

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 146.581+/-0.029 χ^2/NDF:5415349.7/25

Out: 149.012+/-0.029 χ^2/NDF:6286173.2/29

All: 147.766+/-0.021 χ^2/NDF: 11705028.8/55



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 13.404+/-13.979 χ^2/NDF:12.7/10

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -1.405+/-13.890 χ^2/NDF:16.5/9

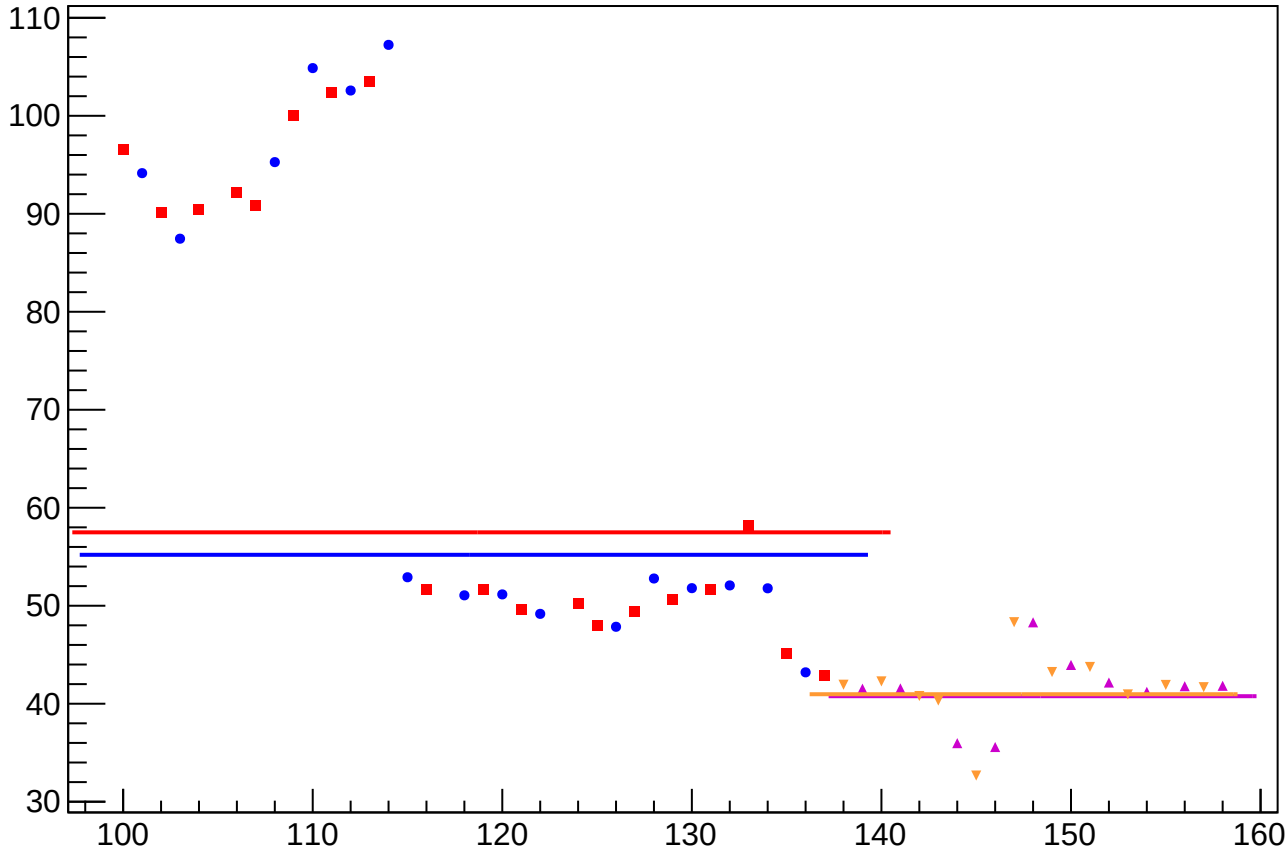
Left: 5.952+/-9.853 χ^2/NDF: 29.7/20

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -25.775+/-11.657 χ^2/NDF:37.4/25

Out: 2.081+/-11.809 χ^2/NDF:37.9/29

All: -12.028+/-8.296 χ^2/NDF: 78.2/55



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.969+/-0.010 χ^2/NDF:158223.9/10

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

Left: 40.868+/-0.007 χ^2/NDF: 282839.1/20

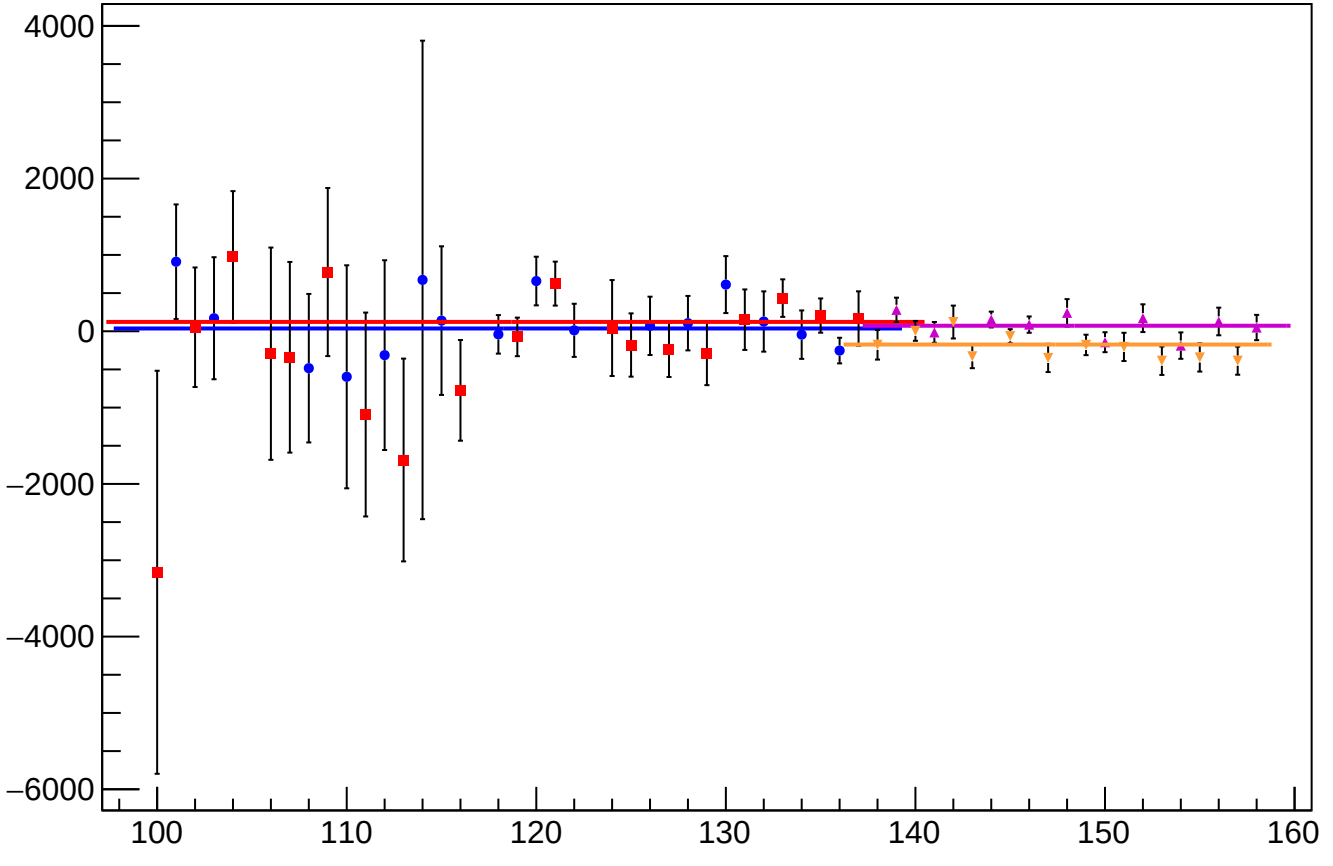
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.036+/-0.008 χ^2/NDF:1915313.2/25

Out: 45.700+/-0.008 χ^2/NDF:2232484.7/29

All: 45.363+/-0.006 χ^2/NDF: 4151004.4/55

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -174.141+/-46.153 χ^2/NDF:10.6/10

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 72.332+/-44.988 χ^2/NDF:9.0/9

Left: -47.753+/-32.215 χ^2/NDF: 34.2/20

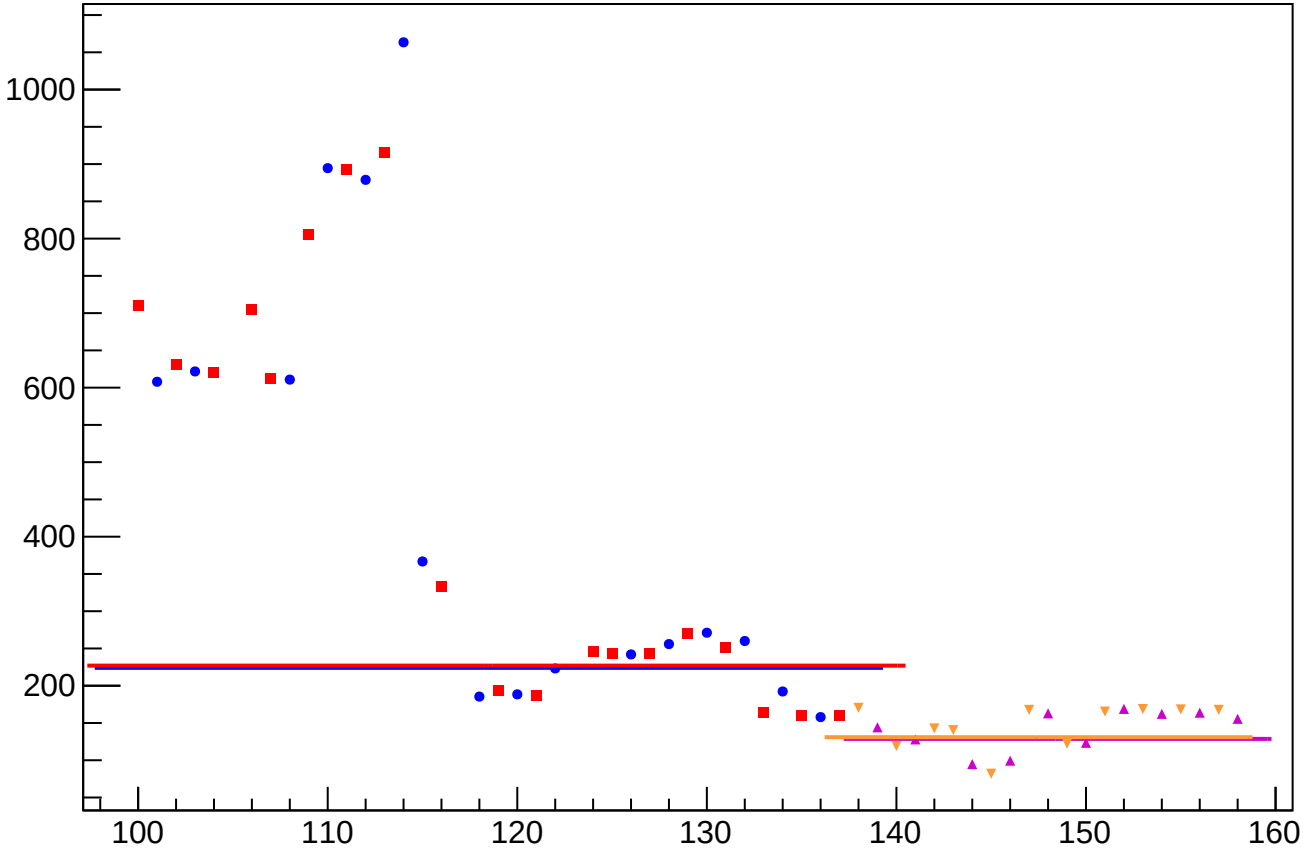
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 65.571+/-40.544 χ^2/NDF:20.6/25

Out: -118.362+/-41.585 χ^2/NDF:33.9/29

All: -24.066+/-29.030 χ^2/NDF: 64.5/55

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: 130.943+/-0.033 χ^2/NDF:1085016.1/10

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 128.672+/-0.032 χ^2/NDF:759500.1/9

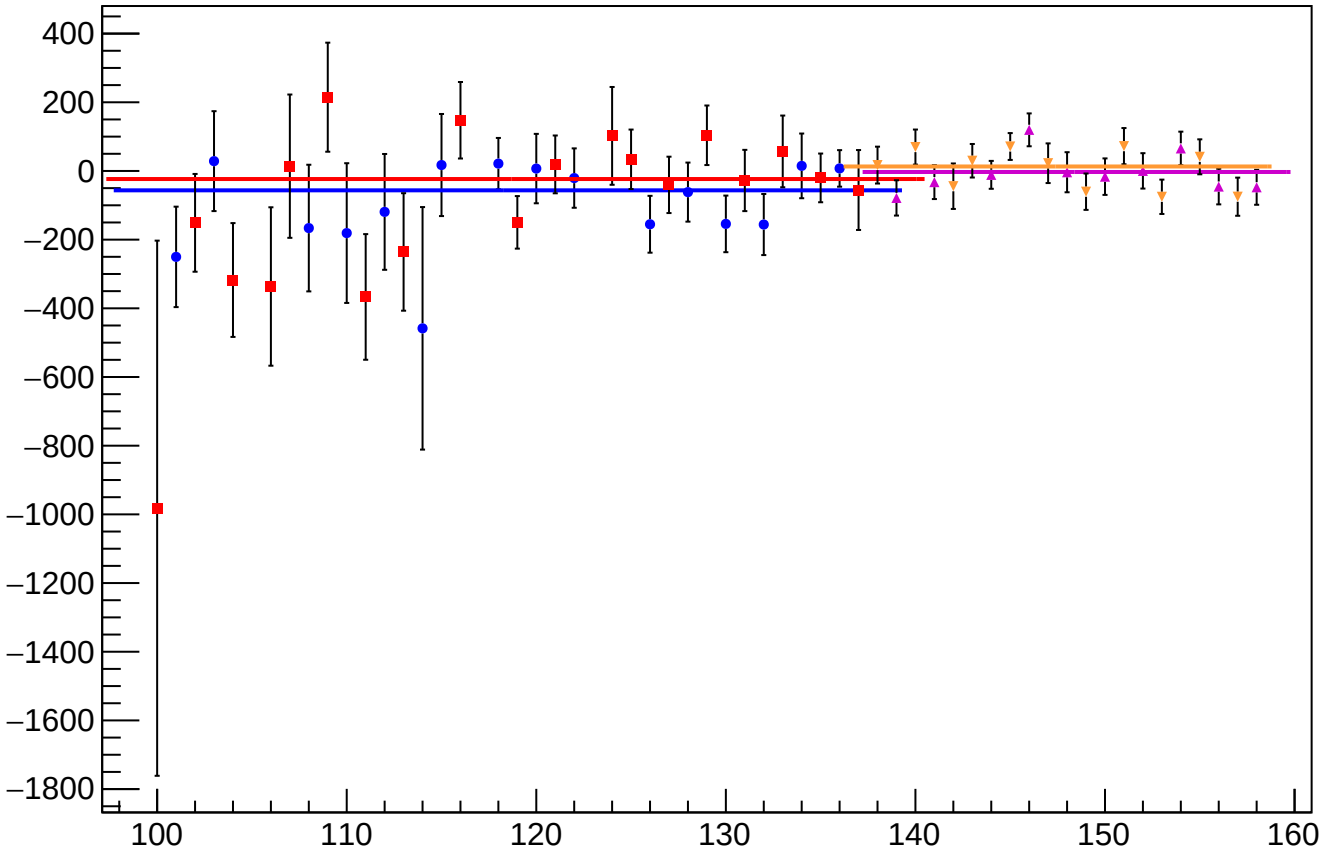
Left: 129.778+/-0.023 χ^2/NDF: 1846998.6/20

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 146.581+/-0.029 χ^2/NDF:5415349.7/25

Out: 149.012+/-0.029 χ^2/NDF:6286173.2/29

All: 147.766+/-0.021 χ^2/NDF: 11705028.8/55



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 13.040+/-15.505 χ^2/NDF:13.5/10

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -2.987+/-15.748 χ^2/NDF:12.6/9

Left: 5.152+/-11.049 χ^2/NDF: 26.6/20

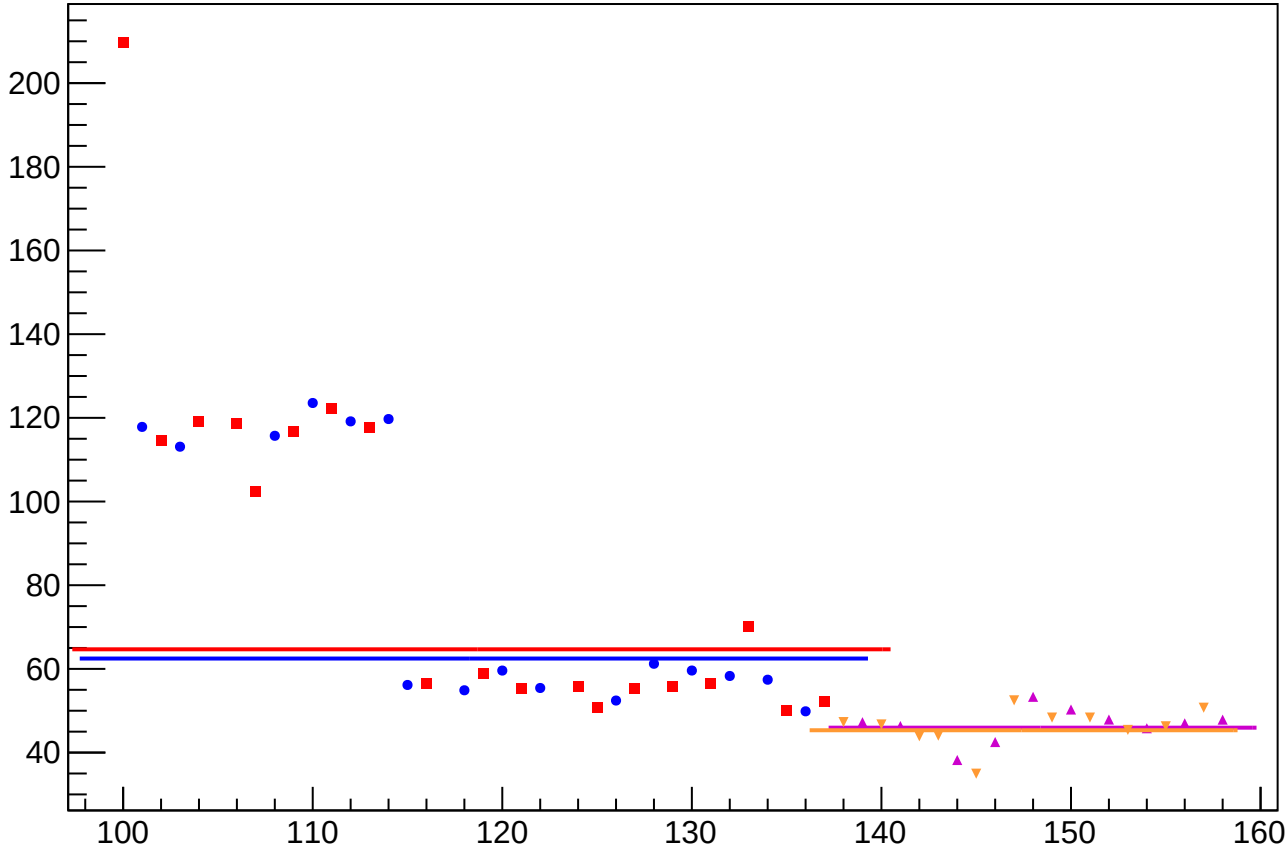
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -18.617+/-13.246 χ^2/NDF:28.2/25

Out: 2.985+/-13.200 χ^2/NDF:39.1/29

All: -7.779+/-9.350 χ^2/NDF: 68.6/55

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.335+/-0.011 χ^2/NDF:210851.6/10

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 45.950+/-0.011 χ^2/NDF:135849.9/9

Left: 45.638+/-0.008 χ^2/NDF: 348249.7/20

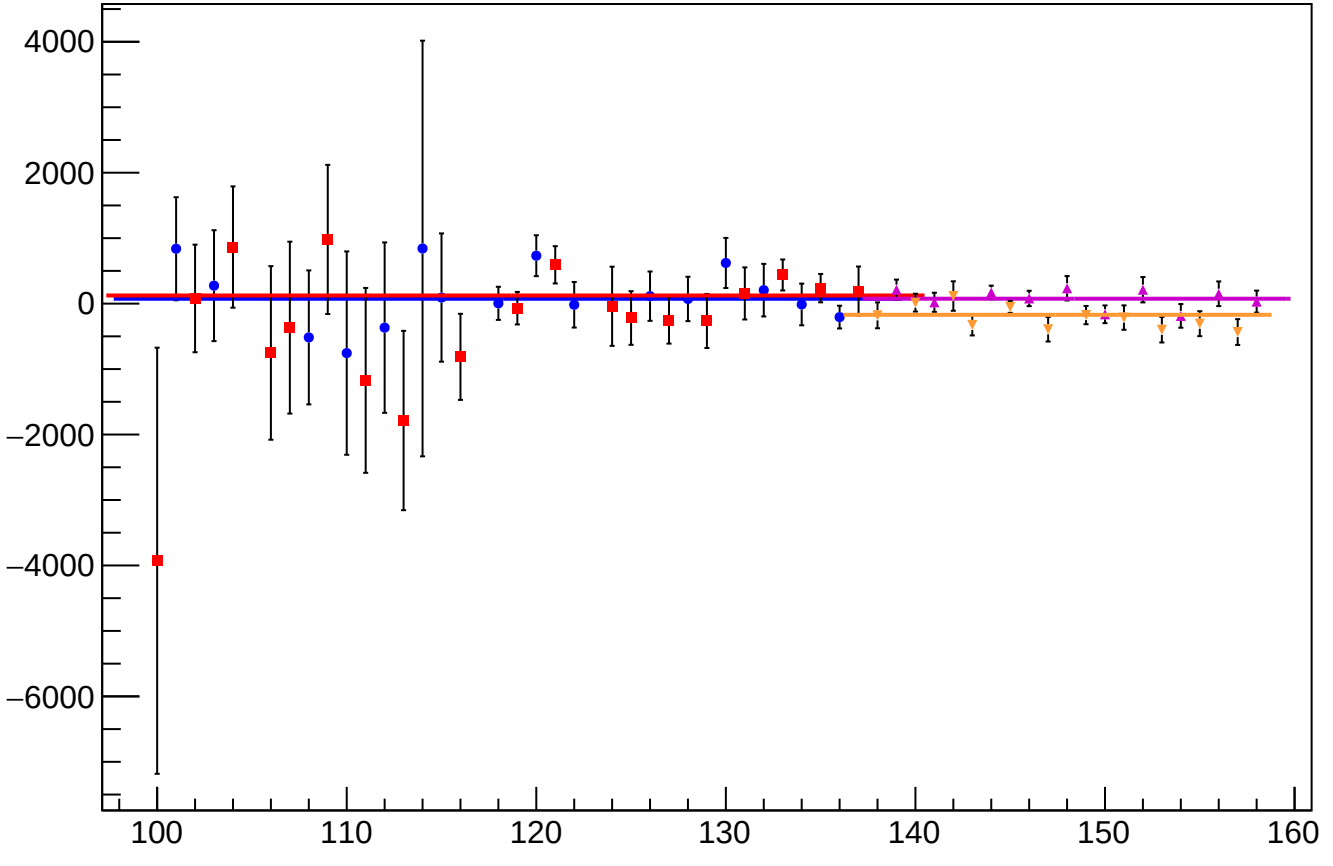
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 50.784+/-0.009 χ^2/NDF:2128264.4/25

Out: 50.660+/-0.009 χ^2/NDF:2658202.4/29

All: 50.722+/-0.007 χ^2/NDF: 4786556.0/55

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -170.974+/-47.142 χ^2/NDF:11.3/10

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 74.929+/-46.810 χ^2/NDF:8.4/9

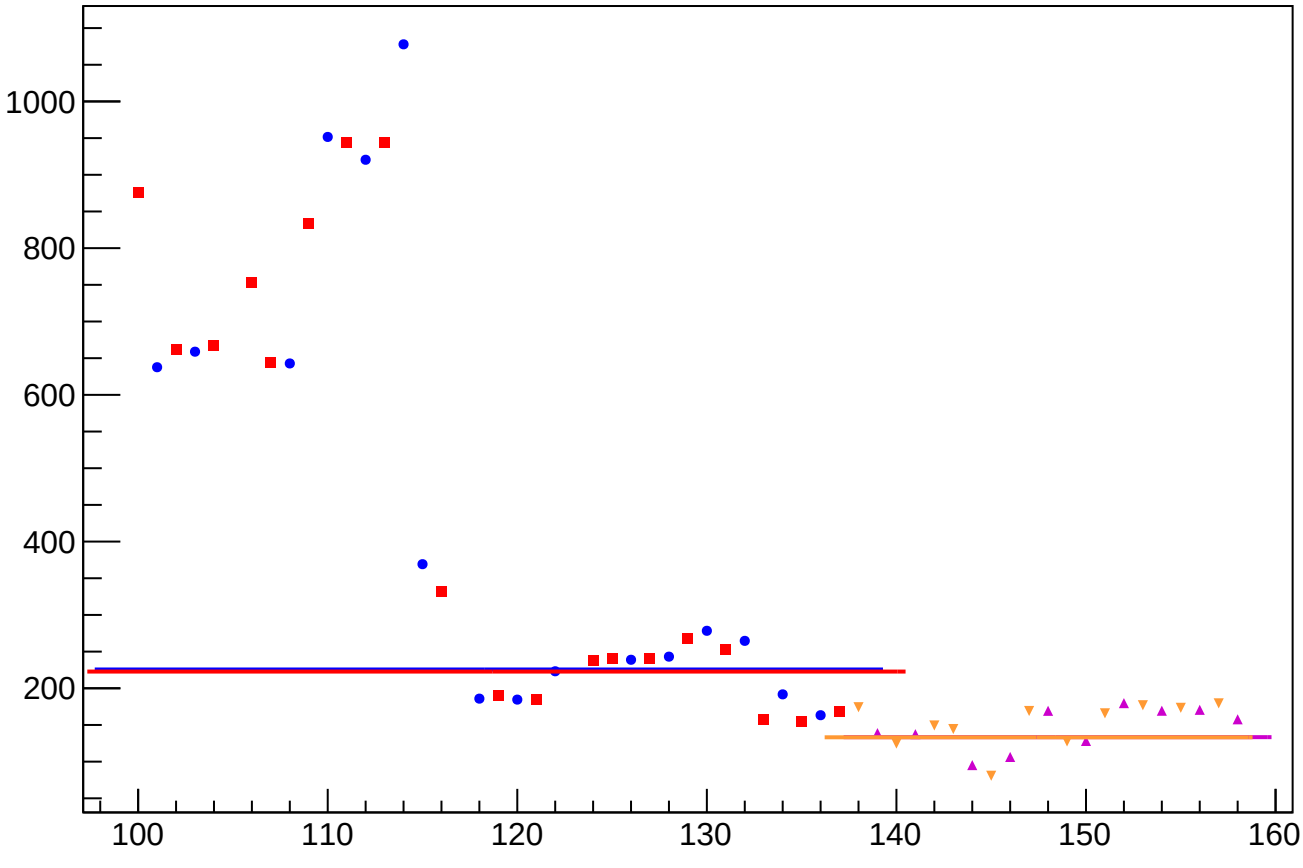
Left: -47.153+/-33.217 χ^2/NDF: 33.4/20

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 74.804+/-41.945 χ^2/NDF:19.6/25

Out: -112.319+/-42.199 χ^2/NDF:35.4/29

All: -18.192+/-29.749 χ^2/NDF: 65.0/55



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 133.180+/-0.033 χ^2/NDF:1229955.5/10

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 133.381+/-0.033 χ^2/NDF:766113.5/9

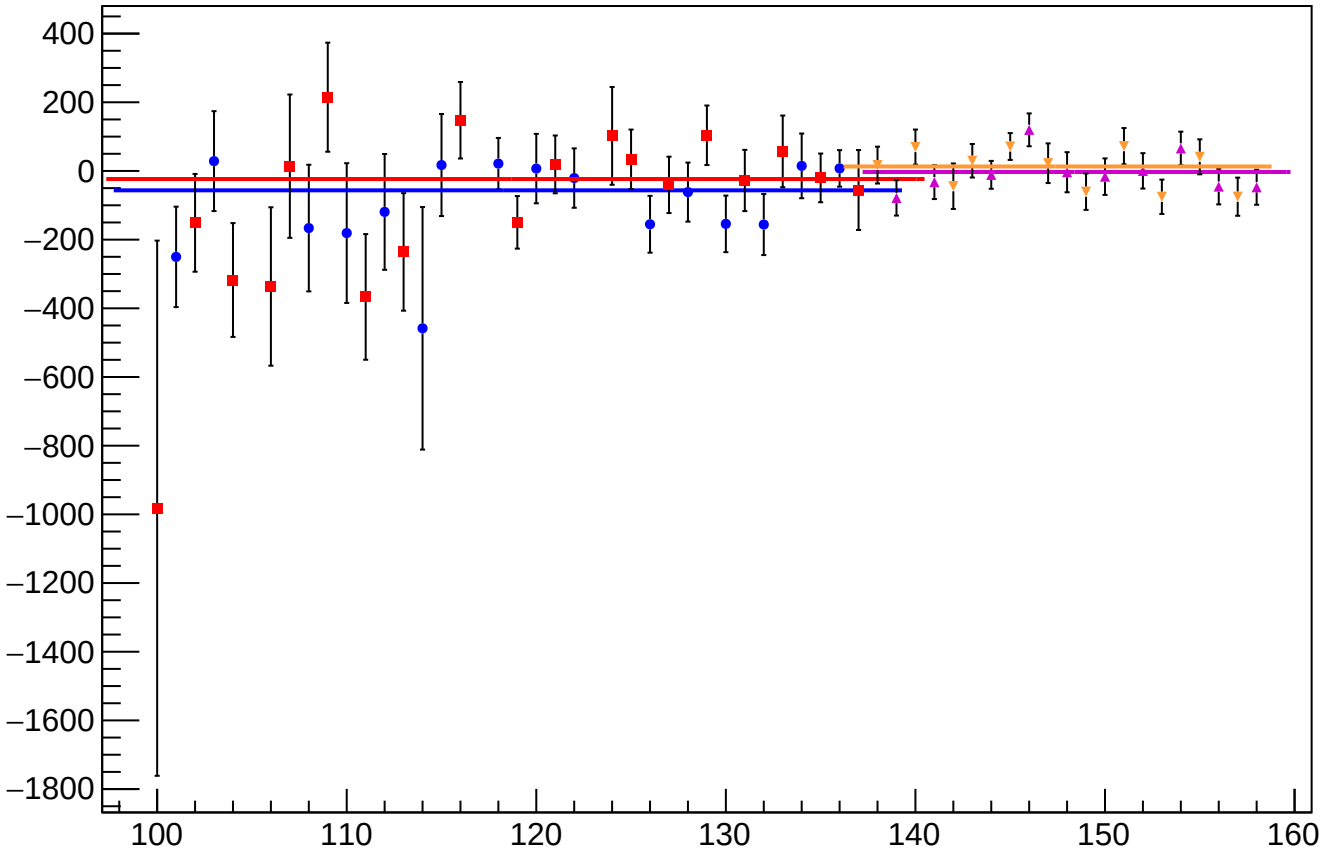
Left: 133.281+/-0.023 χ^2/NDF: 1996087.2/20

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 151.556+/-0.030 χ^2/NDF:5322154.1/25

Out: 150.986+/-0.030 χ^2/NDF:6513949.0/29

All: 151.273+/-0.021 χ^2/NDF: 11836286.1/55



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 13.042+/-15.505 χ^2/NDF:13.5/10

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -2.986+/-15.748 χ^2/NDF:12.6/9

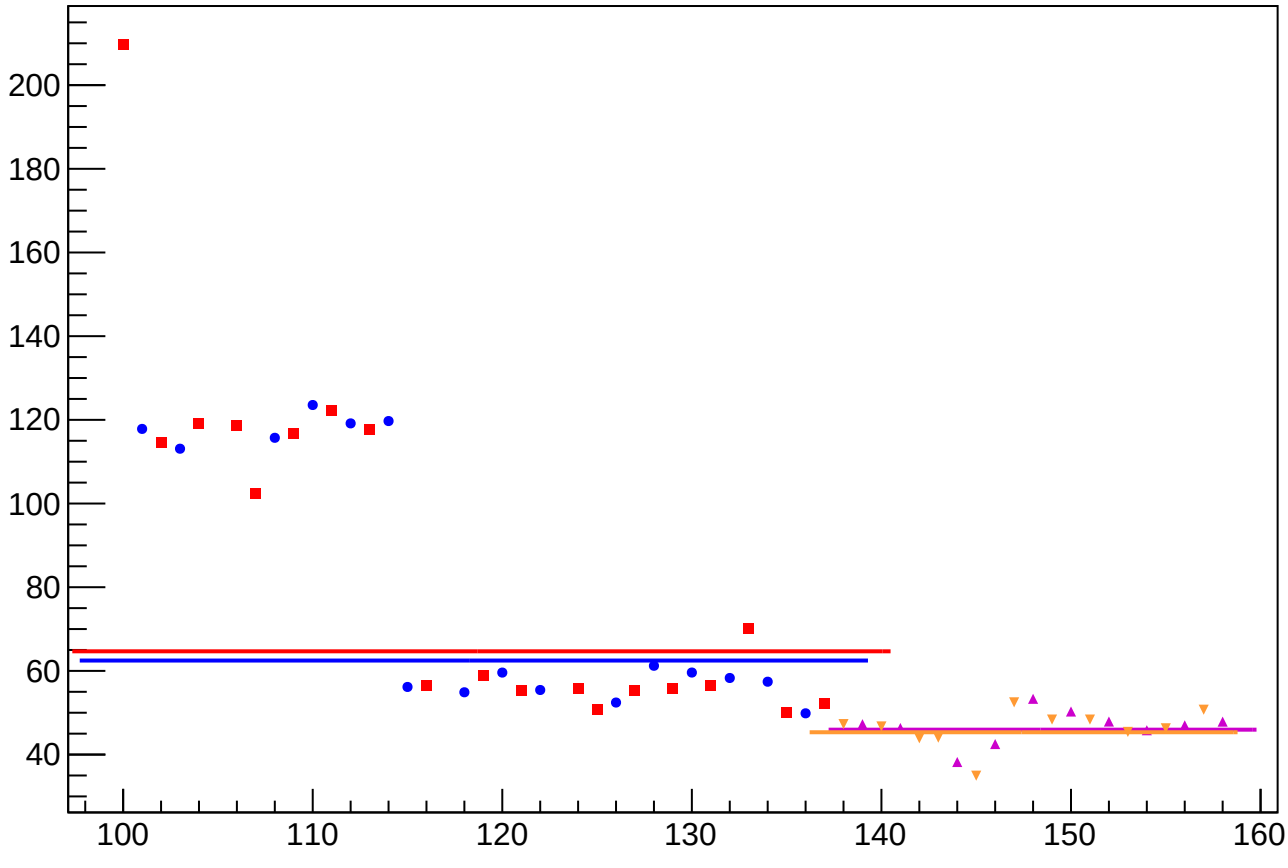
Left: 5.153+/-11.049 χ^2/NDF: 26.6/20

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -18.617+/-13.246 χ^2/NDF:28.2/25

Out: 2.985+/-13.200 χ^2/NDF:39.1/29

All: -7.779+/-9.350 χ^2/NDF: 68.6/55



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.335+/-0.011 χ^2/NDF:210856.6/10

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.950+/-0.011 χ^2/NDF:135850.3/9

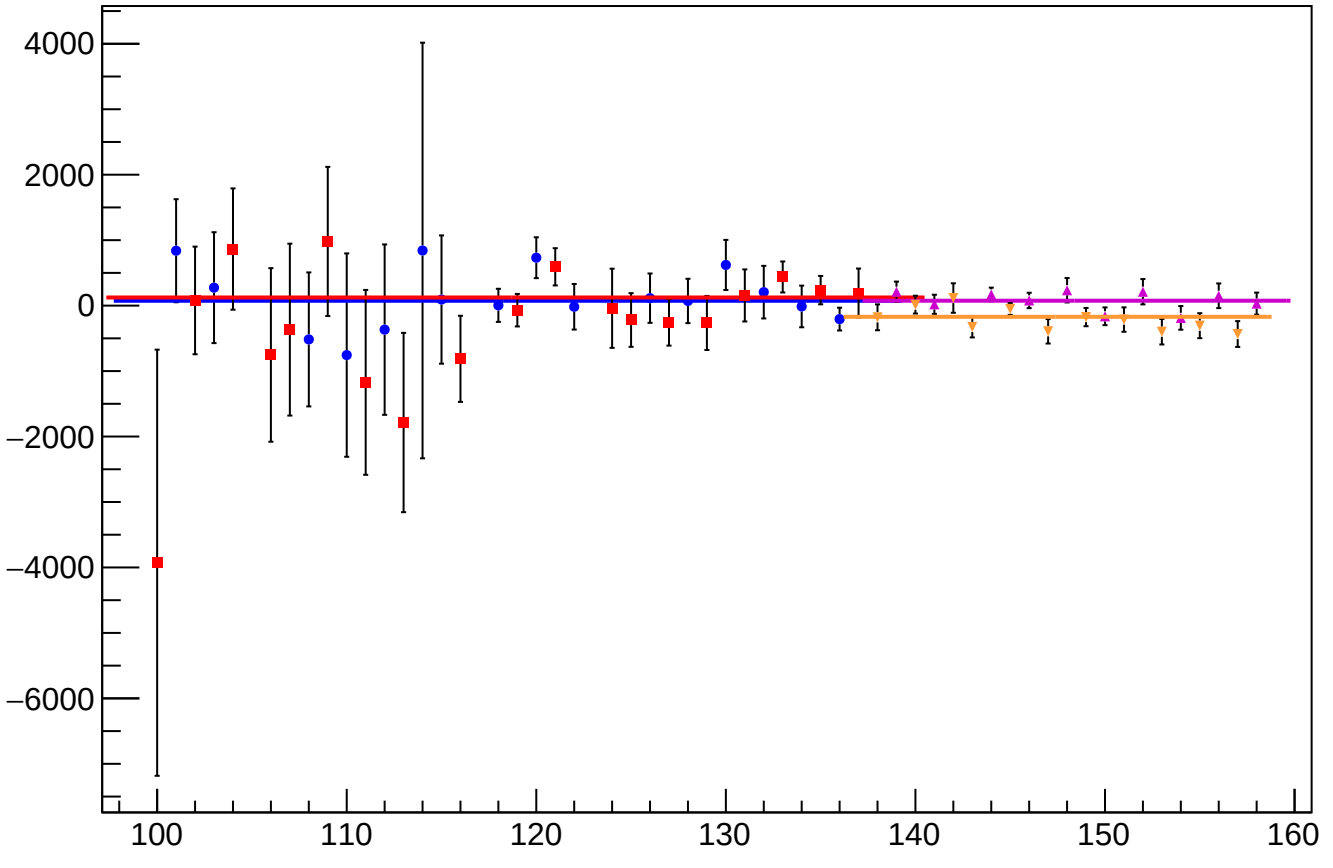
Left: 45.638+/-0.008 χ^2/NDF: 348255.0/20

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 50.784+/-0.009 χ^2/NDF:2128205.3/25

Out: 50.660+/-0.009 χ^2/NDF:2658157.9/29

All: 50.722+/-0.007 χ^2/NDF: 4786452.3/55



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -170.974+/-47.143 χ^2/NDF:11.3/10

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 74.929+/-46.810 χ^2/NDF:8.4/9

Left: -47.152+/-33.217 χ^2/NDF: 33.4/20

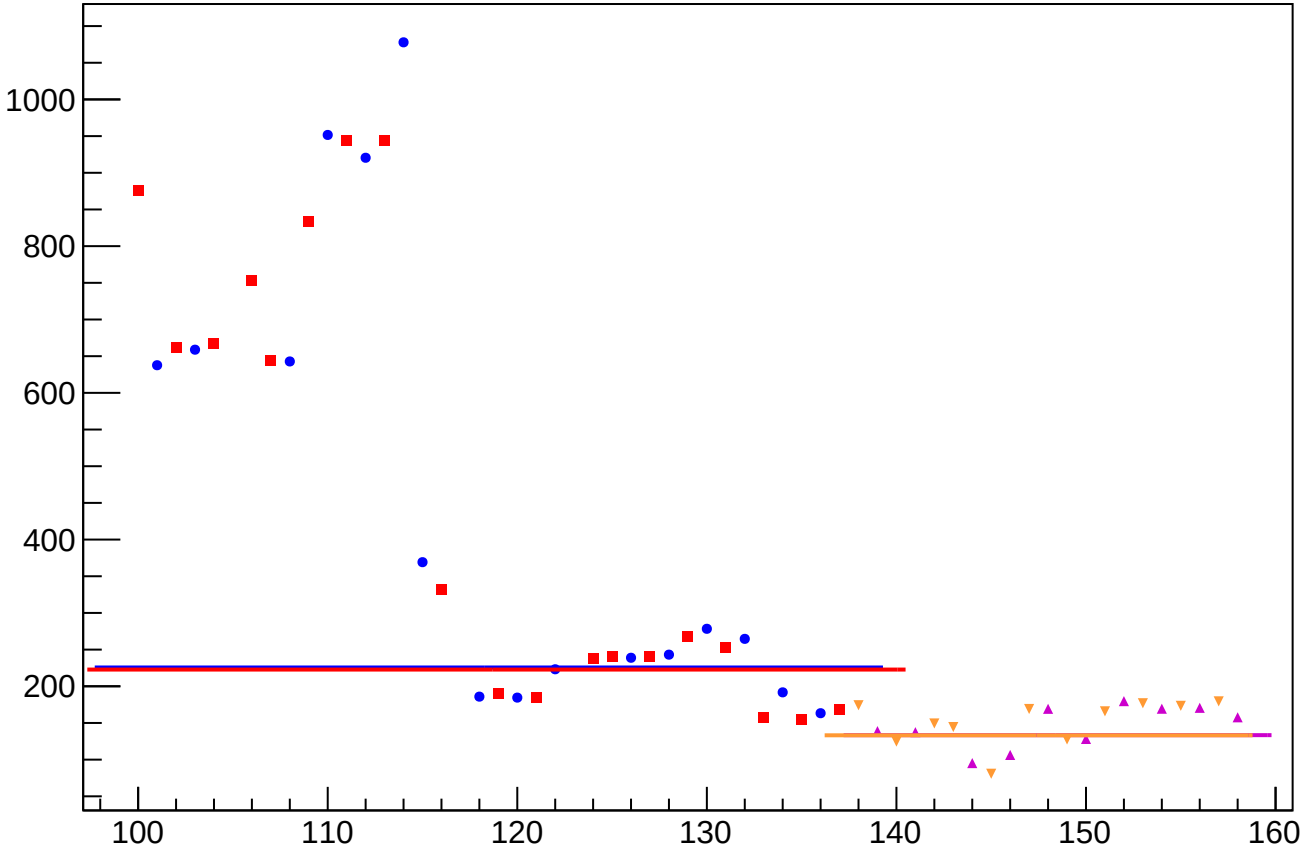
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 74.804+/-41.945 χ^2/NDF:19.6/25

Out: -112.319+/-42.199 χ^2/NDF:35.4/29

All: -18.192+/-29.749 χ^2/NDF: 65.0/55

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 133.181+/-0.033 χ^2/NDF:1229944.1/10

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 133.381+/-0.033 χ^2/NDF:766109.9/9

Left: 133.282+/-0.023 χ^2/NDF: 1996072.2/20

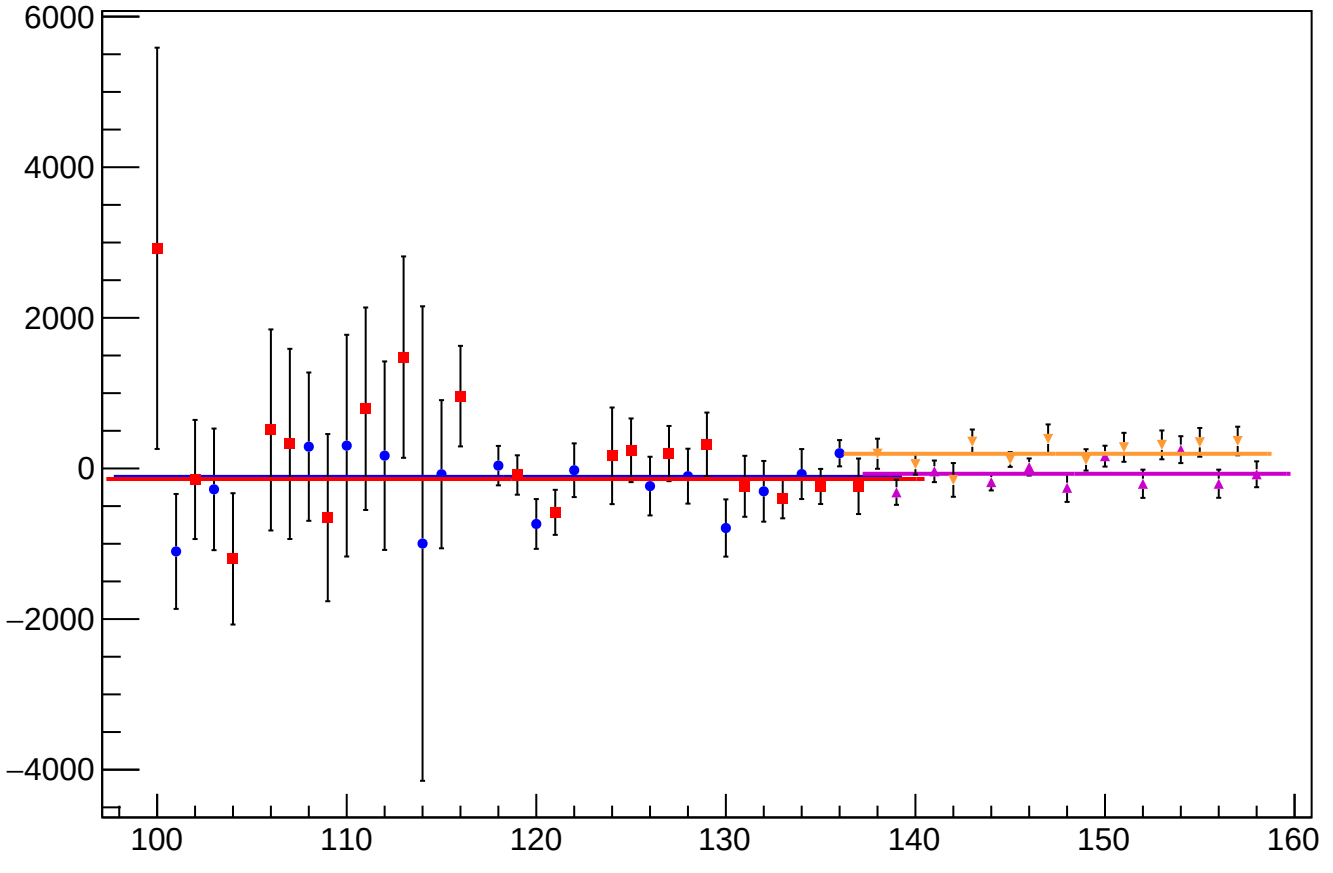
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 151.556+/-0.030 χ^2/NDF:5322130.5/25

Out: 150.987+/-0.030 χ^2/NDF:6513916.7/29

All: 151.273+/-0.021 χ^2/NDF: 11836230.1/55

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 194.907+/-48.564 χ^2/NDF:8.3/10

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -70.674+/-47.364 χ^2/NDF:11.9/9

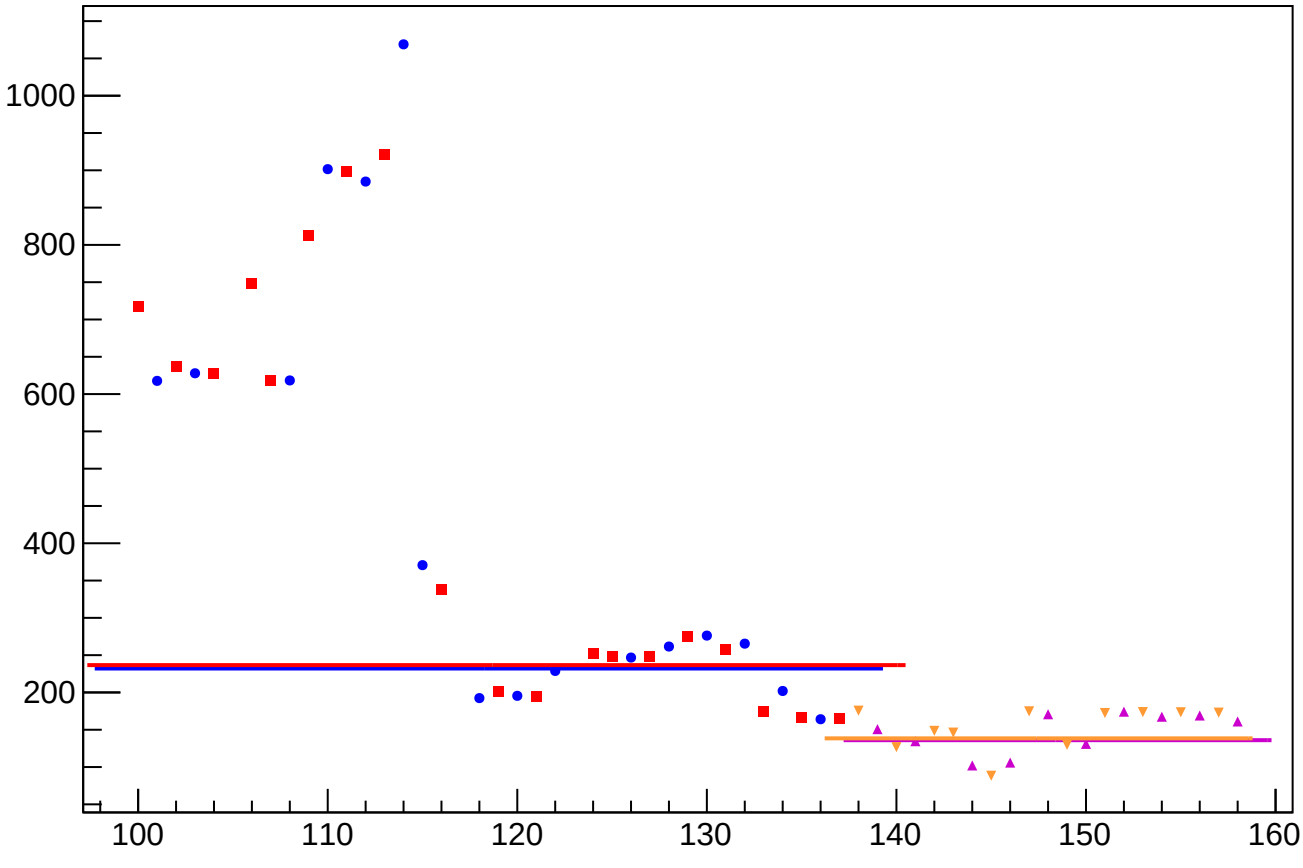
Left: 58.796+/-33.908 χ^2/NDF: 35.5/20

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -78.674+/-42.523 χ^2/NDF:24.9/25

Out: 130.137+/-43.615 χ^2/NDF:32.2/29

All: 23.085+/-30.447 χ^2/NDF: 68.8/55



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 138.460+/-0.034 χ^2/NDF:949280.1/10

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 136.011+/-0.033 χ^2/NDF:662969.2/9

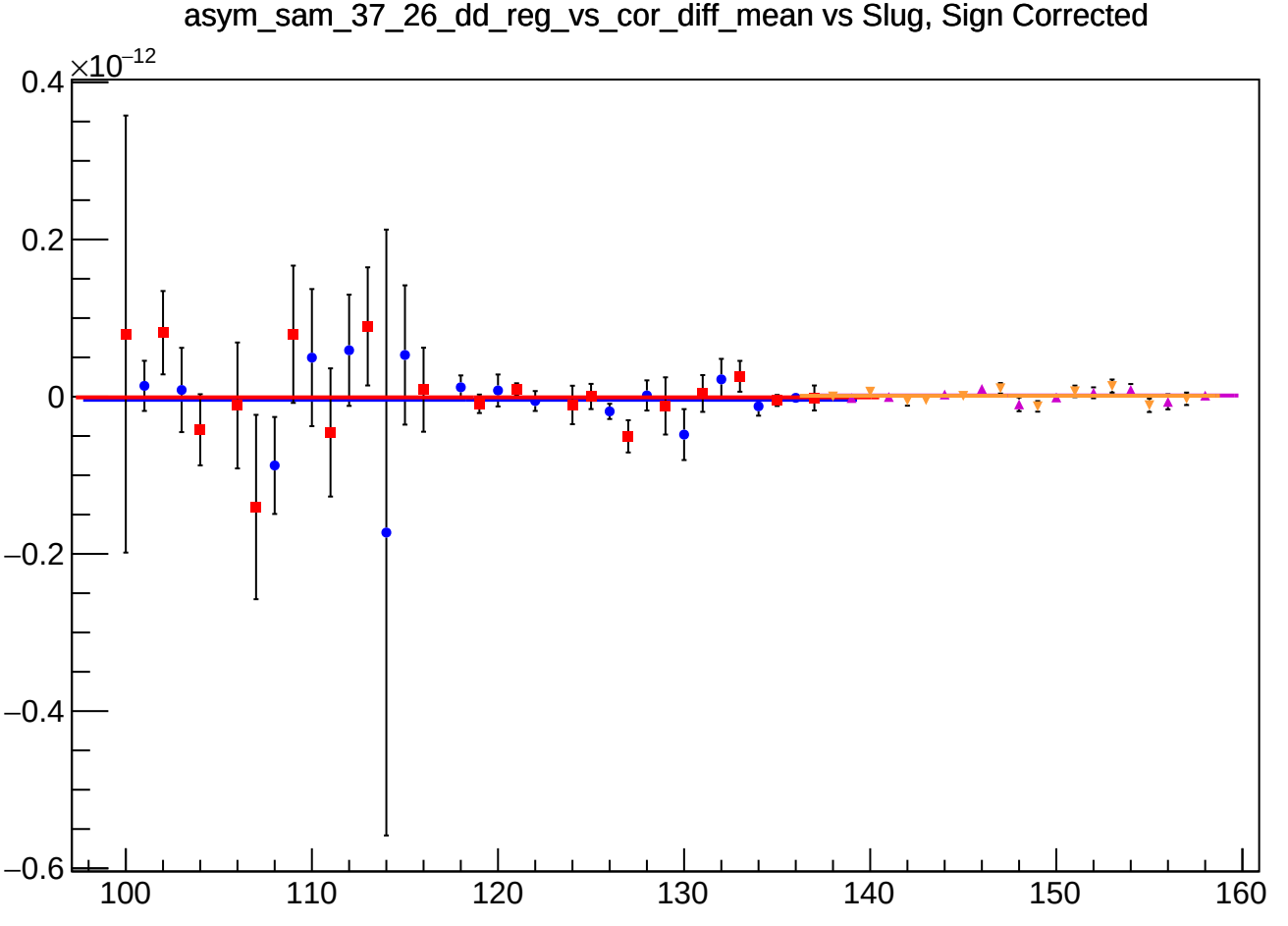
Left: 137.205+/-0.024 χ^2/NDF: 1614854.7/20

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 154.651+/-0.030 χ^2/NDF:5145362.6/25

Out: 157.450+/-0.031 χ^2/NDF:6051541.7/29

All: 156.015+/-0.022 χ^2/NDF: 11201127.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/9

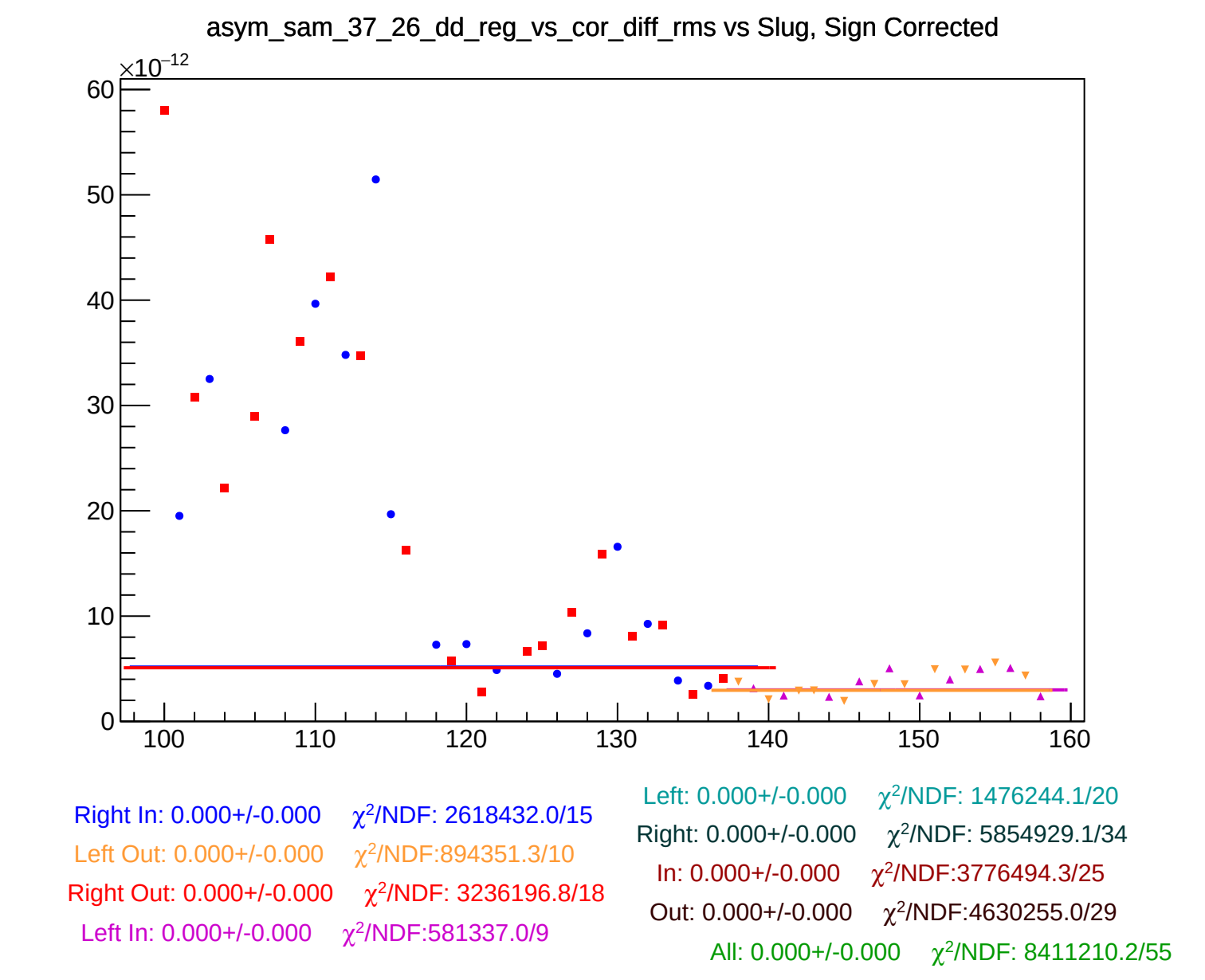
Left: 0.000+/-0.000 χ^2/NDF: 21.6/20

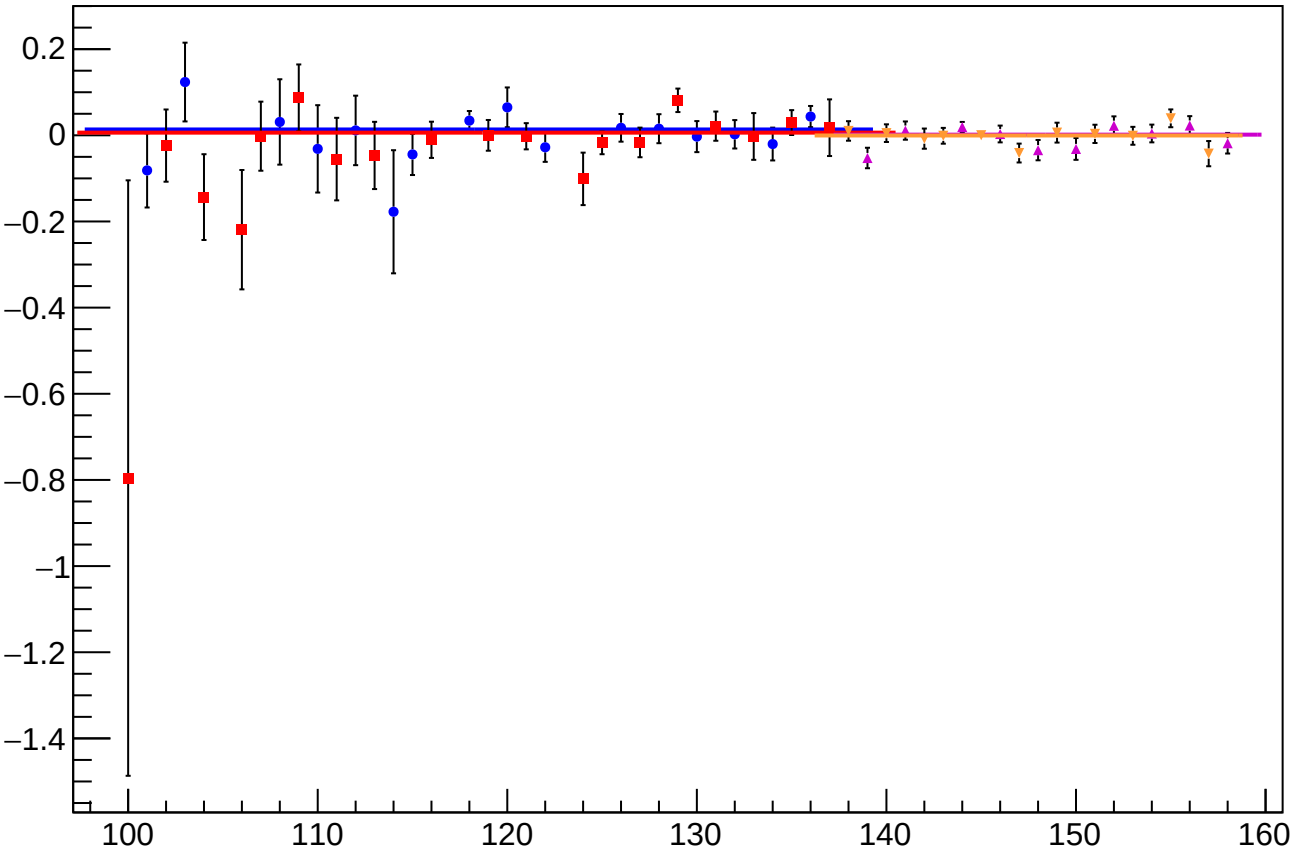
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:19.7/25

Out: 0.000+/-0.000 χ^2/NDF:33.4/29

All: 0.000+/-0.000 χ^2/NDF: 53.1/55


asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:894351.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:581337.0/9
Left: 0.000+/-0.000 χ²/NDF: 1476244.1/20
Right: 0.000+/-0.000 χ²/NDF: 5854929.1/34
In: 0.000+/-0.000 χ²/NDF:3776494.3/25
Out: 0.000+/-0.000 χ²/NDF:4630255.0/29
All: 0.000+/-0.000 χ²/NDF: 8411210.2/55



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.3/9

Left: 0.001+/-0.004 χ^2/NDF: 24.1/20

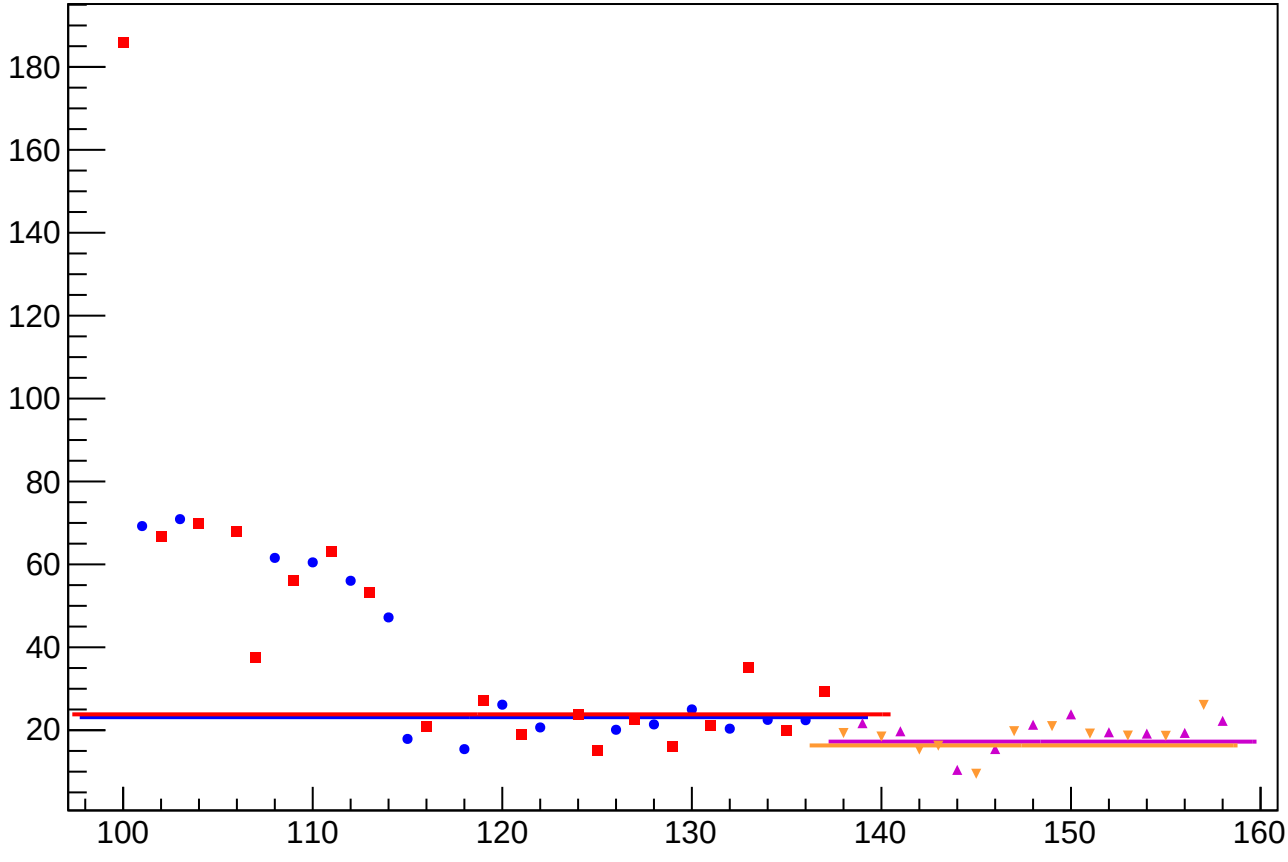
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:27.6/25

Out: 0.001+/-0.005 χ^2/NDF:31.5/29

All: 0.003+/-0.004 χ^2/NDF: 59.4/55

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.326+/-0.004 χ^2/NDF:1232742.0/10

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.244+/-0.004 χ^2/NDF:1123659.4/9

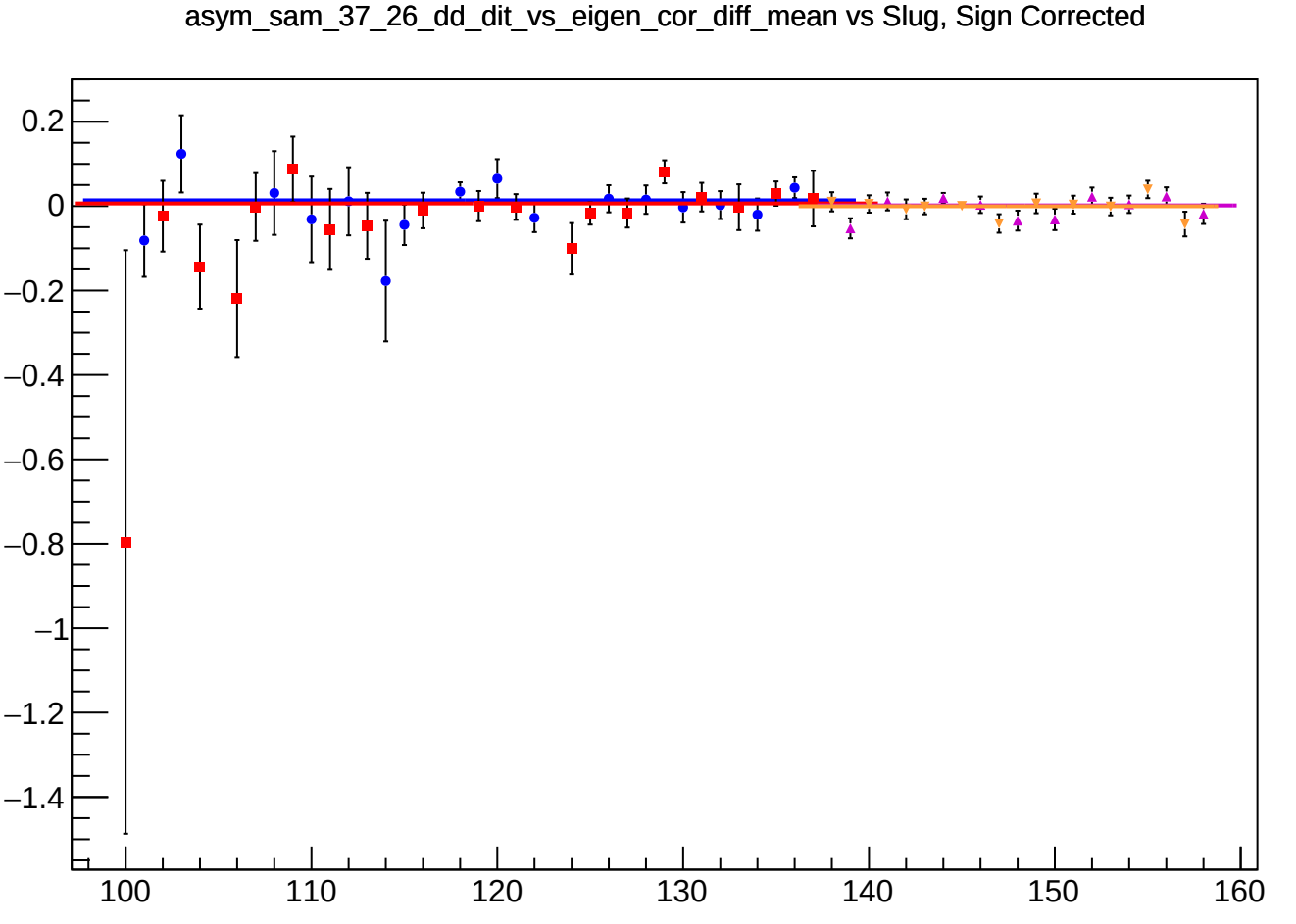
Left: 16.756+/-0.003 χ^2/NDF: 2379242.7/20

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.943+/-0.004 χ^2/NDF:4041541.3/25

Out: 18.232+/-0.004 χ^2/NDF:4959213.1/29

All: 18.573+/-0.003 χ^2/NDF: 9019623.5/55



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.3/9

Left: 0.001+/-0.004 χ^2/NDF: 24.1/20

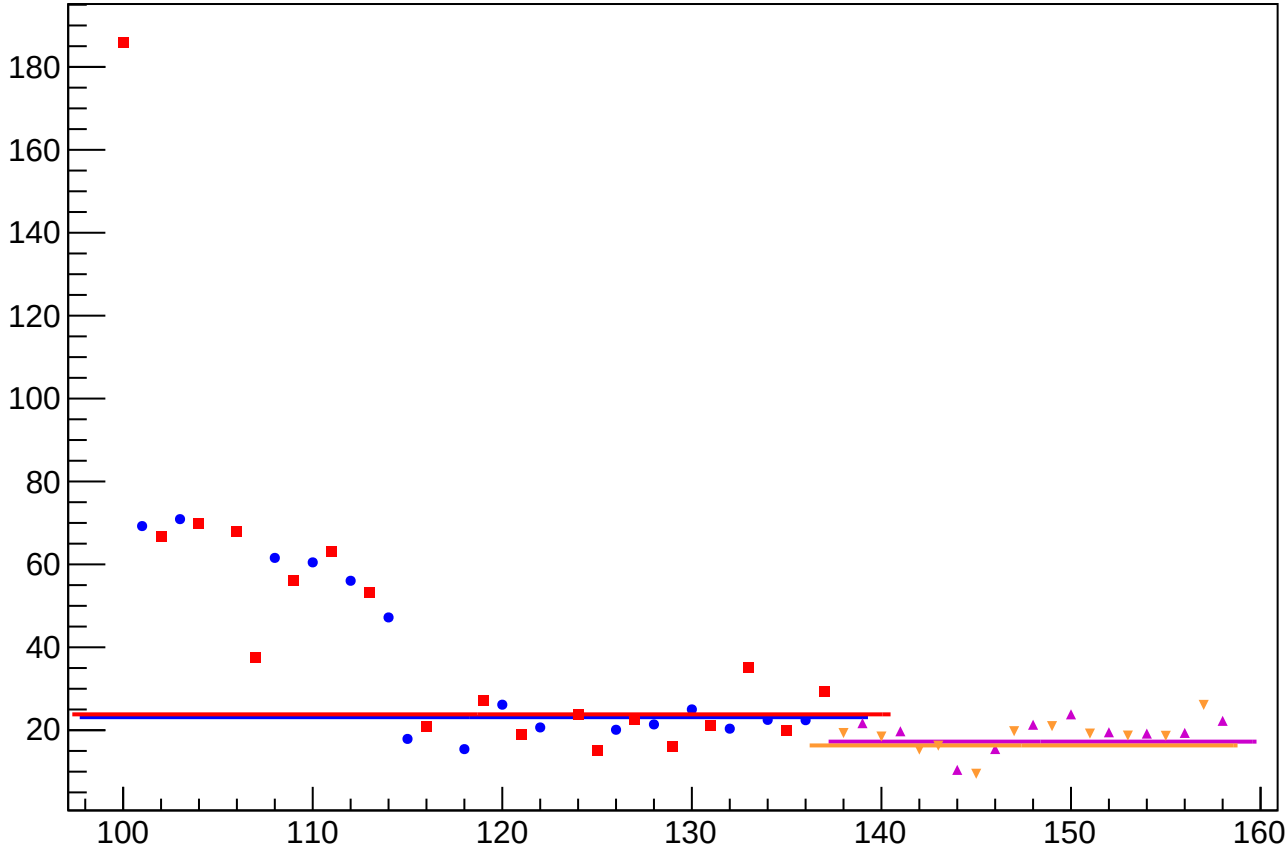
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:27.6/25

Out: 0.001+/-0.005 χ^2/NDF:31.5/29

All: 0.003+/-0.004 χ^2/NDF: 59.4/55

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: 16.326+/-0.004 χ^2/NDF:1232742.0/10

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.244+/-0.004 χ^2/NDF:1123659.4/9

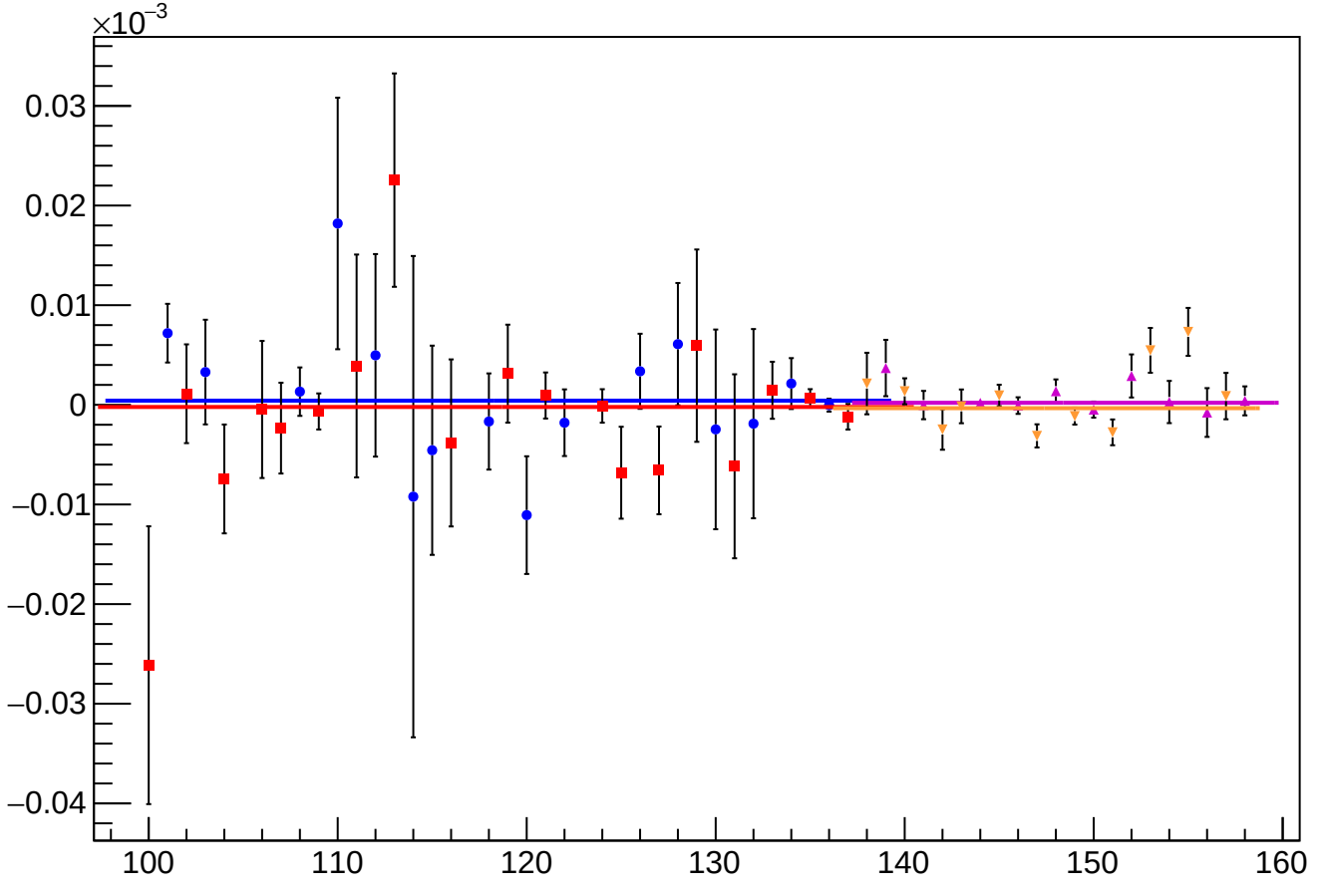
Left: 16.756+/-0.003 χ^2/NDF: 2379242.7/20

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.943+/-0.004 χ^2/NDF:4041541.3/25

Out: 18.232+/-0.004 χ^2/NDF:4959213.1/29

All: 18.573+/-0.003 χ^2/NDF: 9019623.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/9

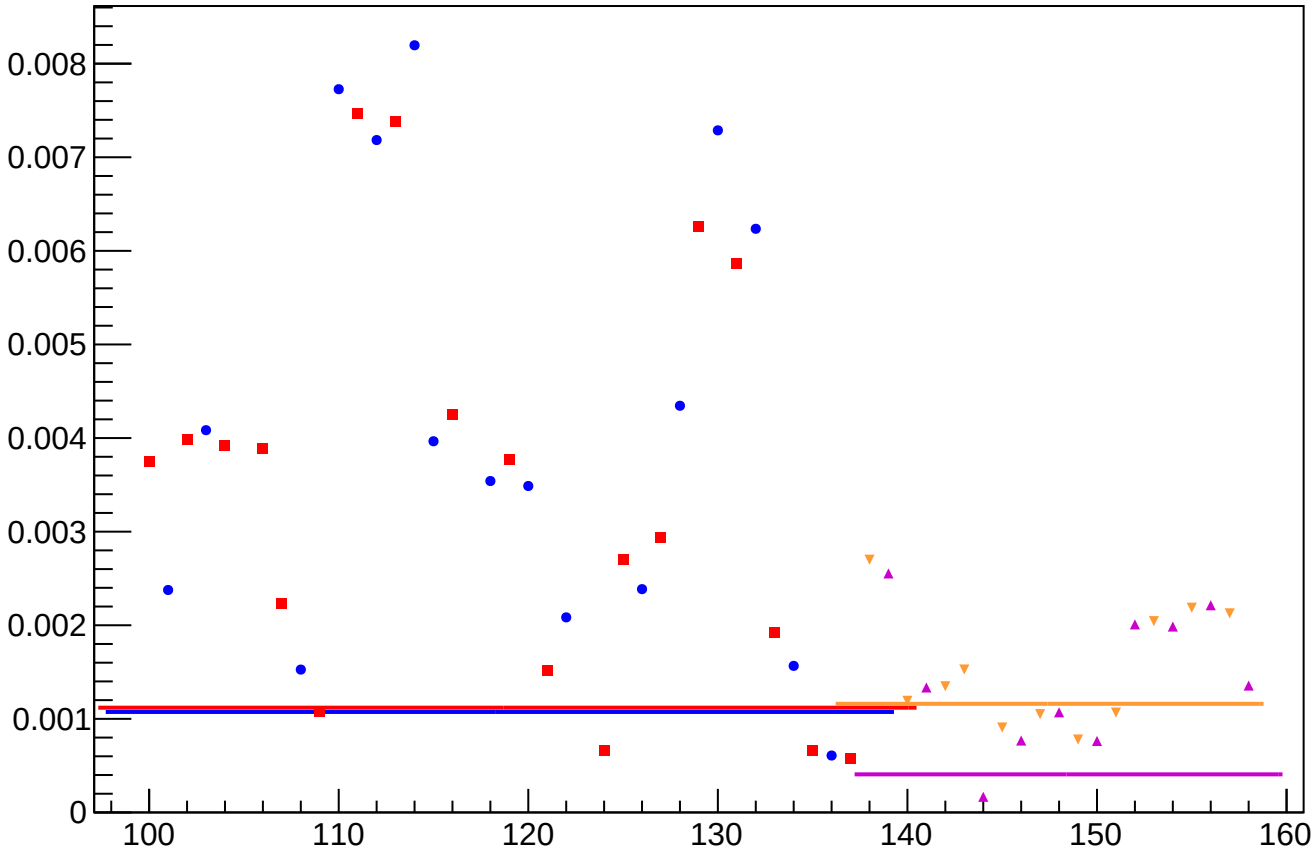
Left: 0.000+/-0.000 χ^2/NDF: 38.4/20

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:20.5/25

Out: -0.000+/-0.000 χ^2/NDF:49.9/29

All: 0.000+/-0.000 χ^2/NDF: 72.1/55



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:2164744.8/10

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9335424.4/9

Left: 0.001+/-0.000 χ^2/NDF: 16389875.1/20

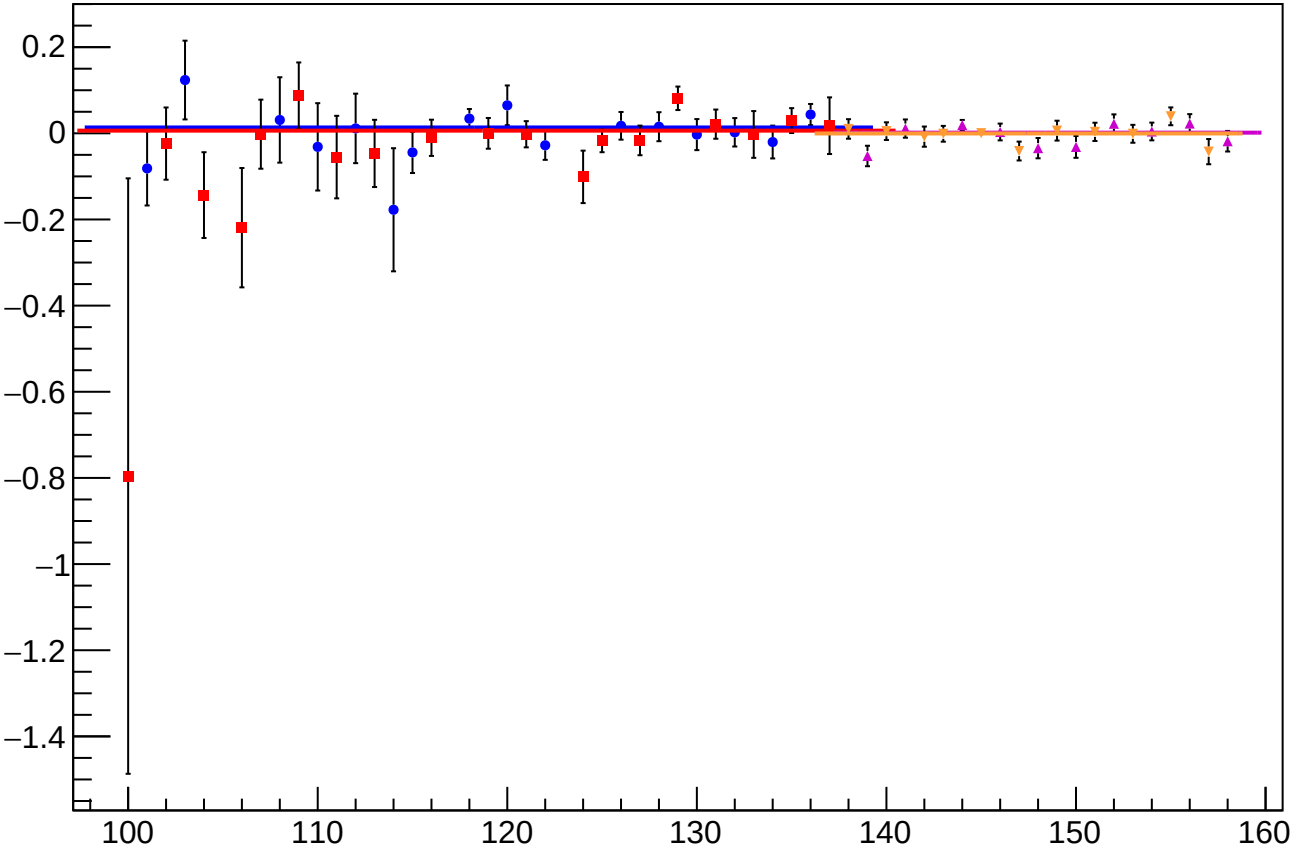
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:18830182.7/25

Out: 0.001+/-0.000 χ^2/NDF:8967905.9/29

All: 0.001+/-0.000 χ^2/NDF: 33125964.6/55

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: -0.000+/-0.006 χ^2/NDF:9.8/10

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.3/9

Left: 0.001+/-0.004 χ^2/NDF: 24.1/20

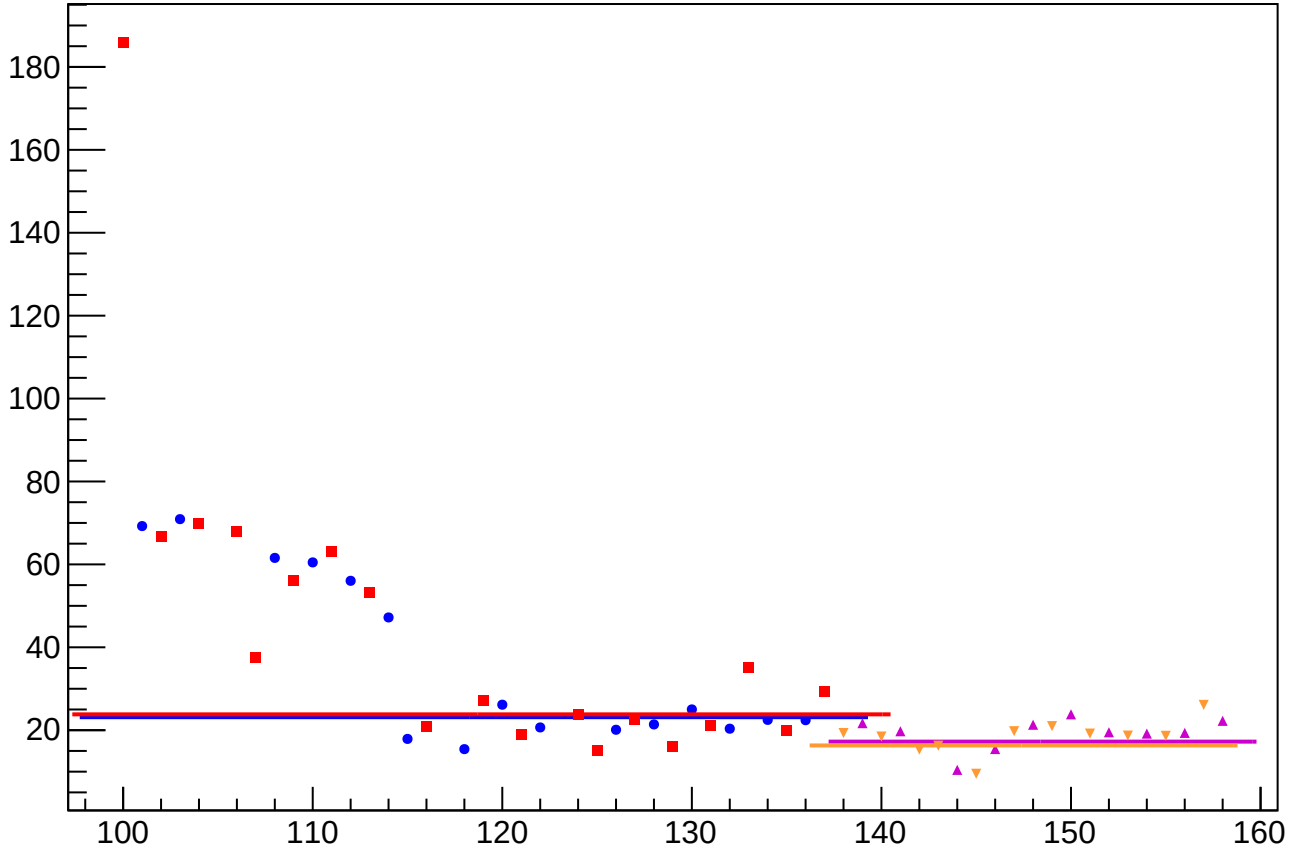
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:27.6/25

Out: 0.001+/-0.005 χ^2/NDF:31.5/29

All: 0.003+/-0.004 χ^2/NDF: 59.4/55

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: 16.327+/-0.004 χ^2/NDF:1232847.9/10

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.244+/-0.004 χ^2/NDF:1123632.6/9

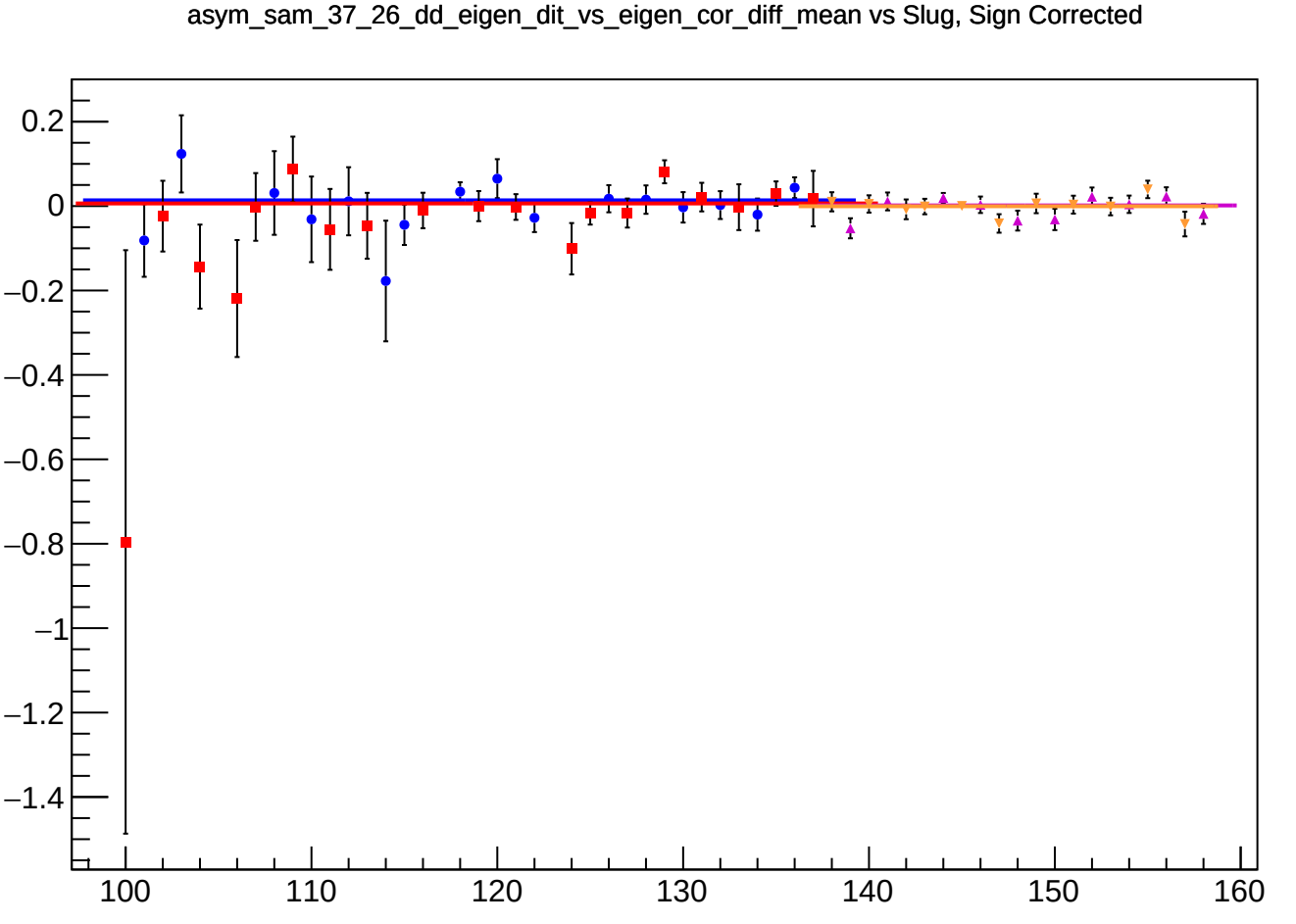
Left: 16.756+/-0.003 χ^2/NDF: 2379325.4/20

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.943+/-0.004 χ^2/NDF:4041316.3/25

Out: 18.232+/-0.004 χ^2/NDF:4959140.4/29

All: 18.573+/-0.003 χ^2/NDF: 9019319.9/55



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.3/9

Left: 0.001+/-0.004 χ^2/NDF: 24.1/20

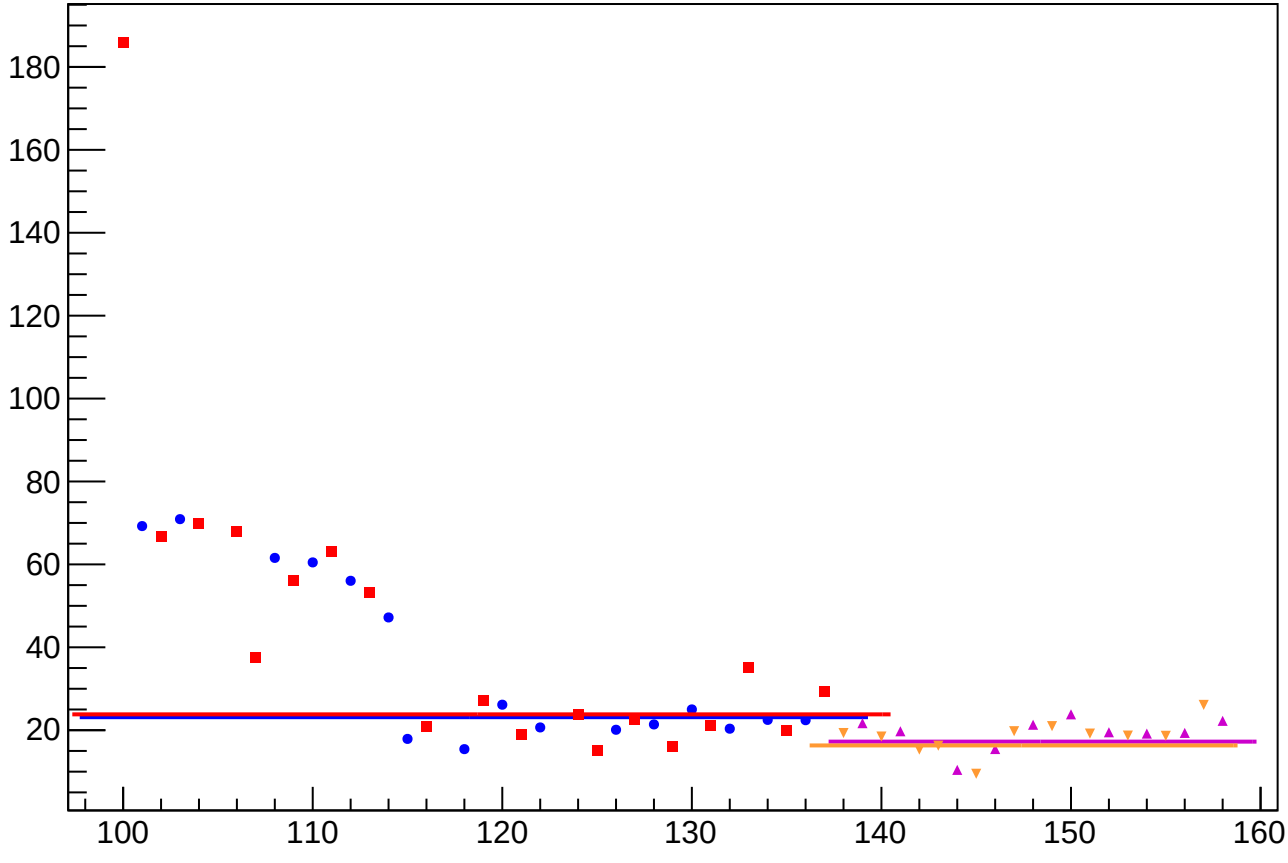
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:27.6/25

Out: 0.001+/-0.005 χ^2/NDF:31.5/29

All: 0.003+/-0.004 χ^2/NDF: 59.4/55

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: 16.327+/-0.004 χ^2/NDF:1232847.9/10

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.244+/-0.004 χ^2/NDF:1123632.6/9

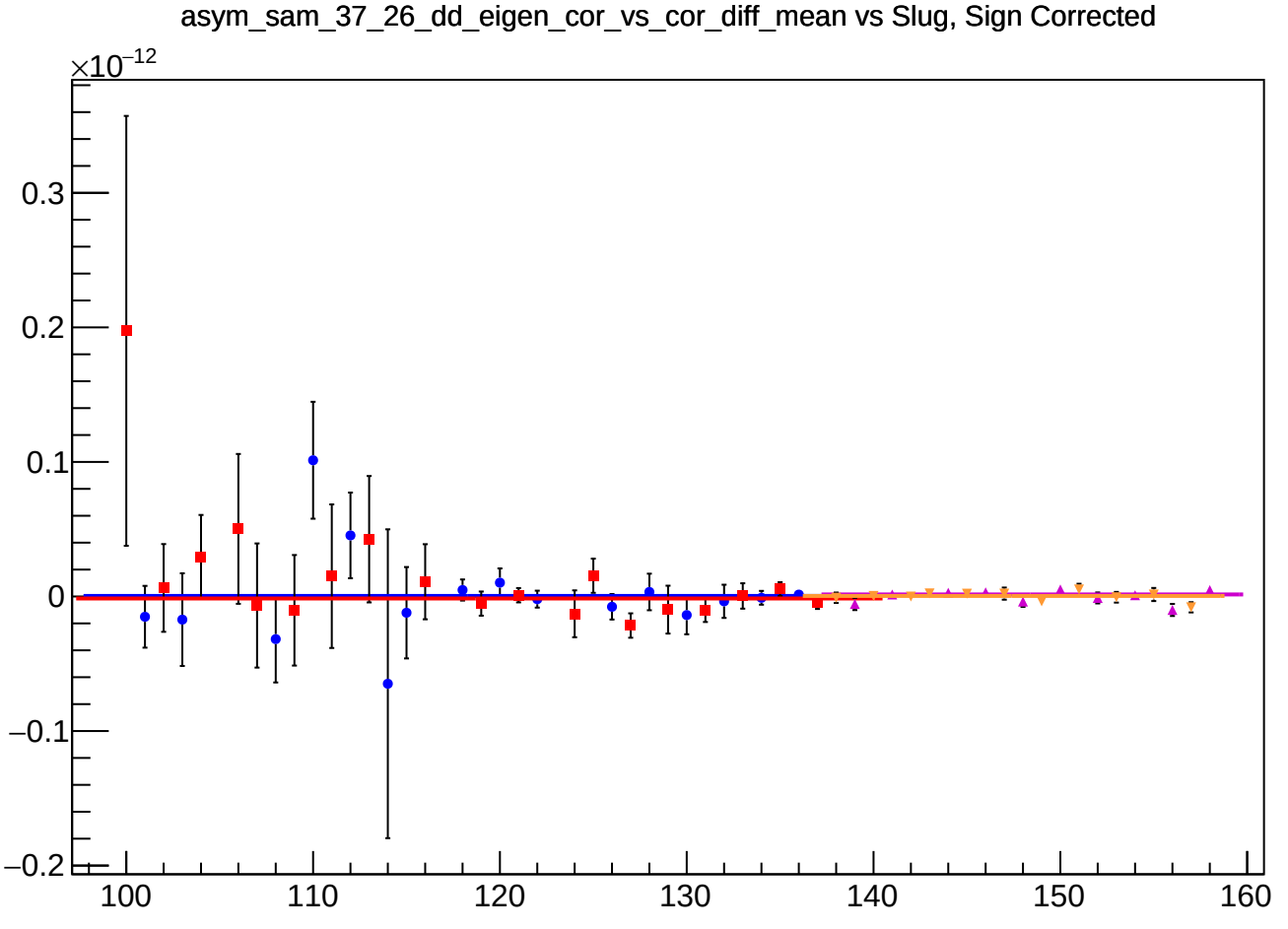
Left: 16.756+/-0.003 χ^2/NDF: 2379325.4/20

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.943+/-0.004 χ^2/NDF:4041316.3/25

Out: 18.232+/-0.004 χ^2/NDF:4959140.4/29

All: 18.573+/-0.003 χ^2/NDF: 9019319.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/9

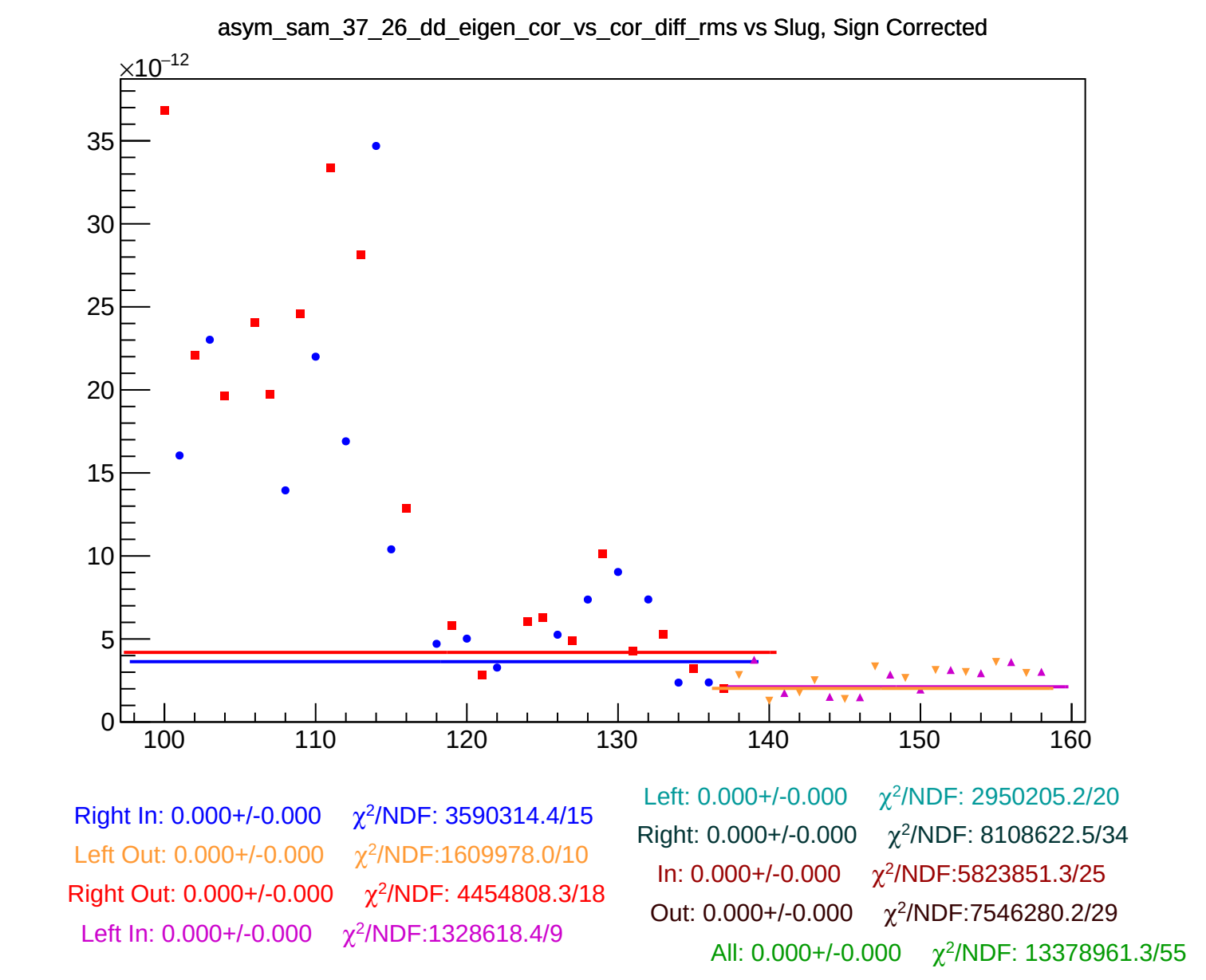
Left: 0.000+/-0.000 χ^2/NDF: 24.9/20

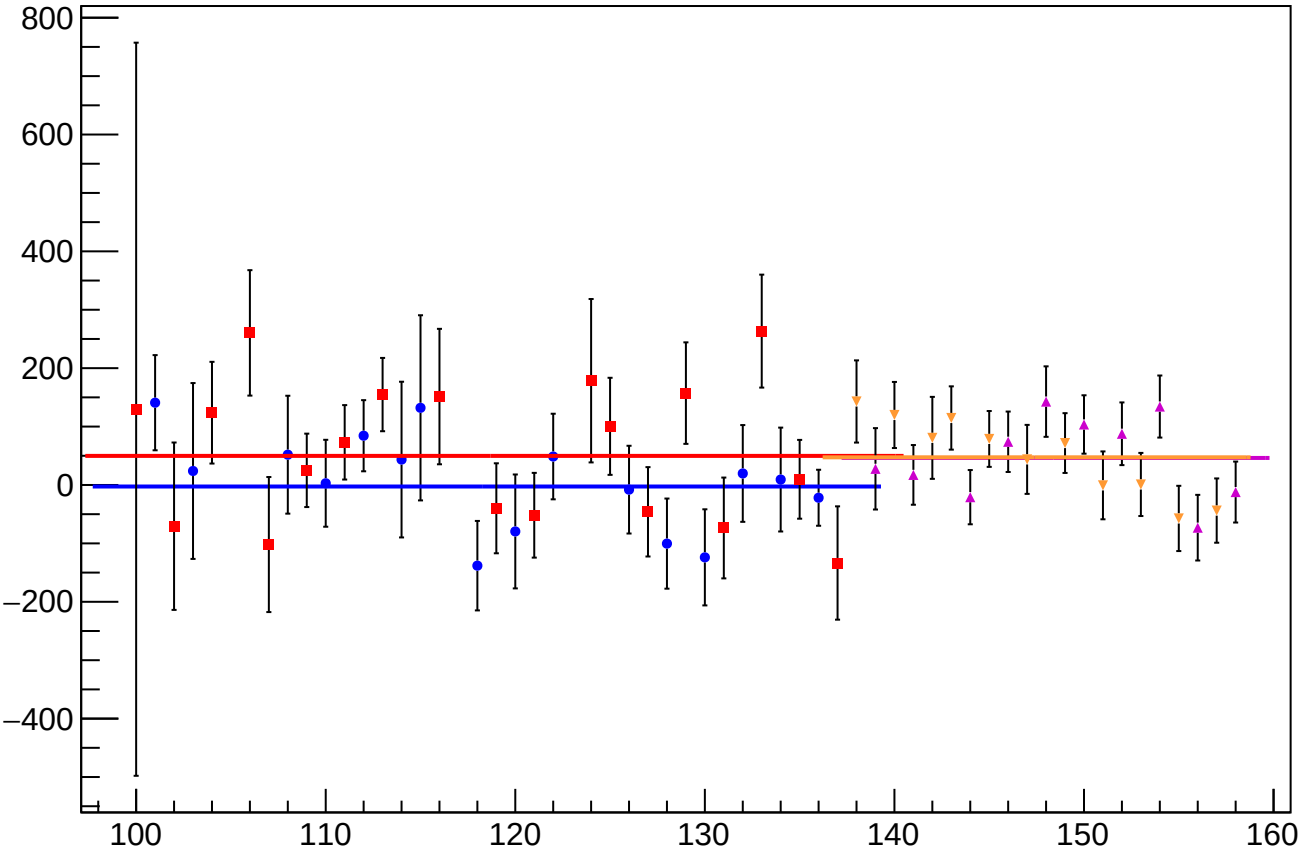
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:28.1/25

Out: 0.000+/-0.000 χ^2/NDF:25.4/29

All: 0.000+/-0.000 χ^2/NDF: 54.4/55


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1609978.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1328618.4/9
Left: 0.000+/-0.000 χ²/NDF: 2950205.2/20
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5823851.3/25
Out: 0.000+/-0.000 χ²/NDF:7546280.2/29
All: 0.000+/-0.000 χ²/NDF: 13378961.3/55



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 47.342+/-17.017 χ^2/NDF:13.6/10

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 46.289+/-16.936 χ^2/NDF:15.7/9

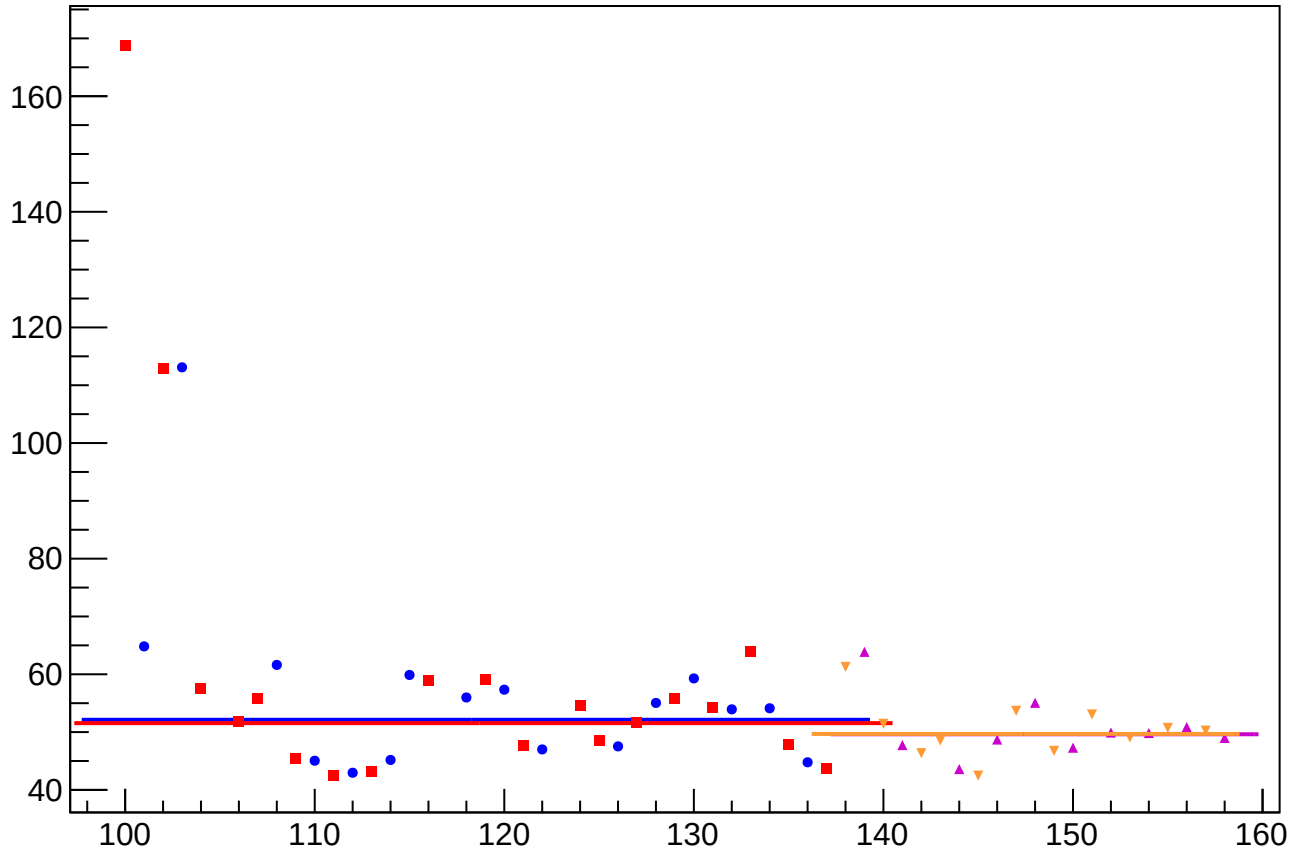
Left: 46.813+/-12.004 χ^2/NDF: 29.3/20

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 25.861+/-12.923 χ^2/NDF:33.8/25

Out: 48.401+/-12.856 χ^2/NDF:43.0/29

All: 37.190+/-9.114 χ^2/NDF: 78.3/55



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.682+/-0.012 χ^2/NDF:130666.7/10

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.9/9

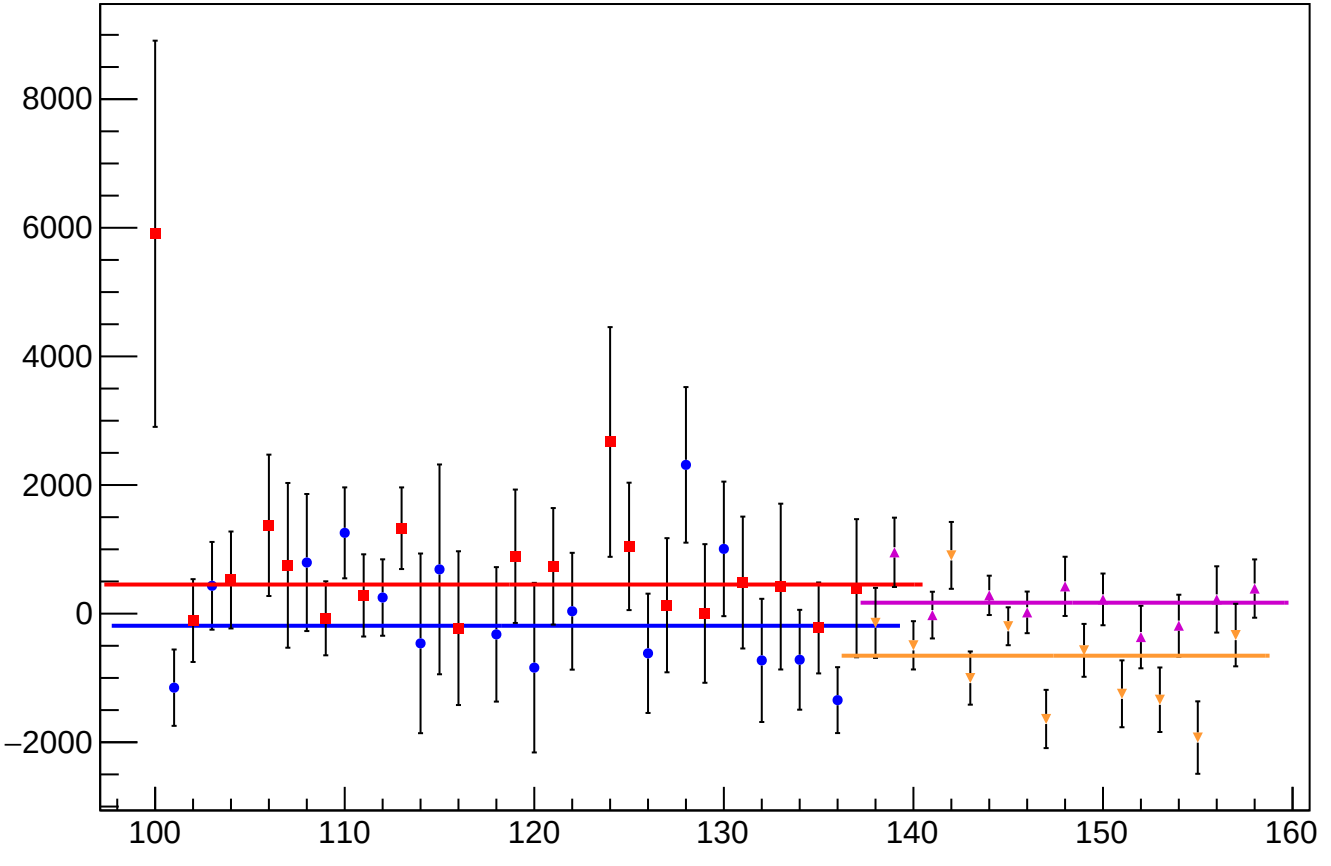
Left: 49.653+/-0.008 χ^2/NDF: 273335.1/20

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.671+/-0.009 χ^2/NDF:723838.0/25

Out: 50.484+/-0.009 χ^2/NDF:780573.1/29

All: 50.577+/-0.006 χ^2/NDF: 1504620.5/55



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -654.183+/-132.035 χ^2/NDF:26.6/10

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 169.994+/-129.810 χ^2/NDF:5.1/9

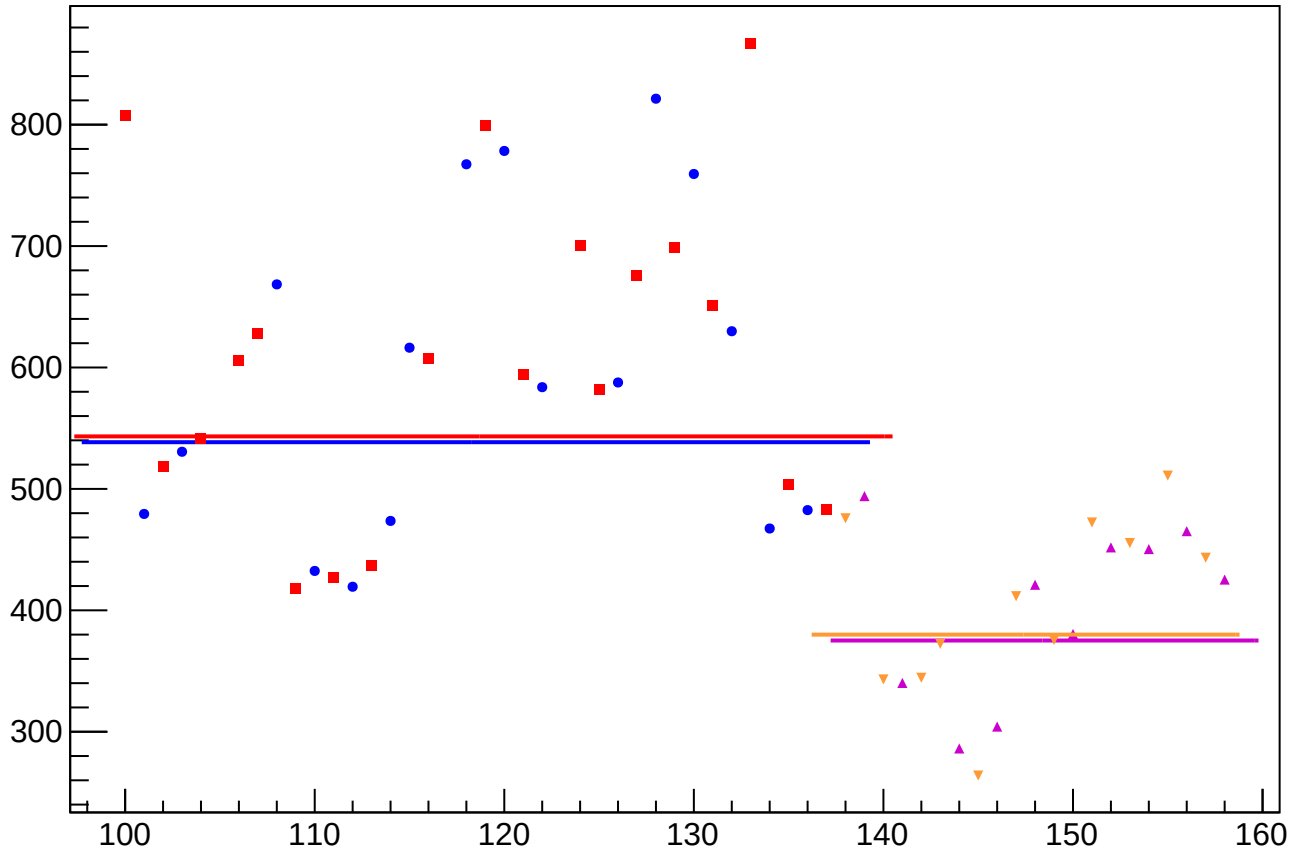
Left: -235.091+/-92.566 χ^2/NDF: 51.5/20

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 67.950+/-109.795 χ^2/NDF:28.6/25

Out: -327.257+/-110.831 χ^2/NDF:58.7/29

All: -127.798+/-78.000 χ^2/NDF: 93.7/55



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 379.979+/-0.093 χ^2/NDF:661580.2/10

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 375.136+/-0.092 χ^2/NDF:585449.4/9

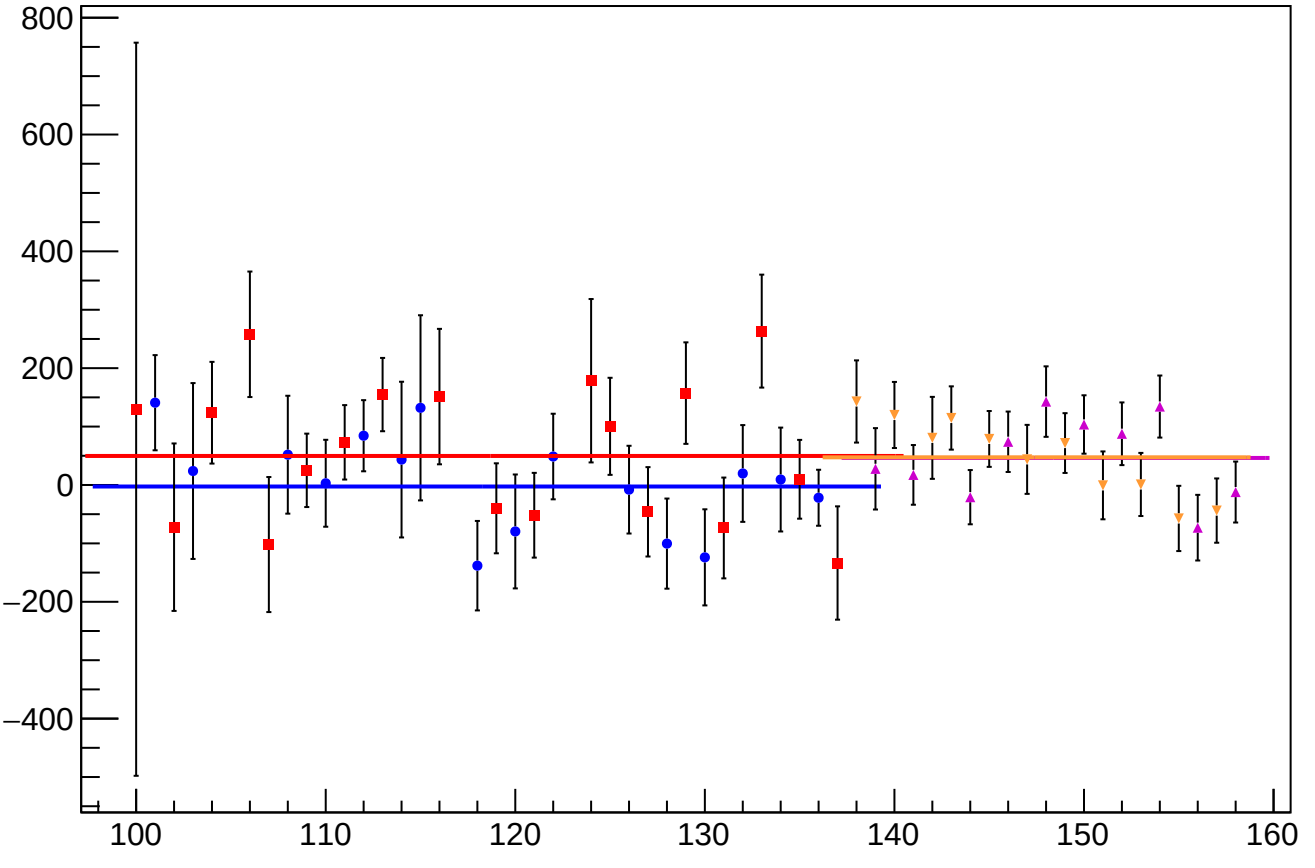
Left: 377.516+/-0.065 χ^2/NDF: 1248397.5/20

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 421.620+/-0.078 χ^2/NDF:2100566.8/25

Out: 428.207+/-0.078 χ^2/NDF:2202008.5/29

All: 424.882+/-0.055 χ^2/NDF: 4306140.5/55



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.344+/-17.017 χ^2/NDF:13.6/10

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 46.291+/-16.936 χ^2/NDF:15.7/9

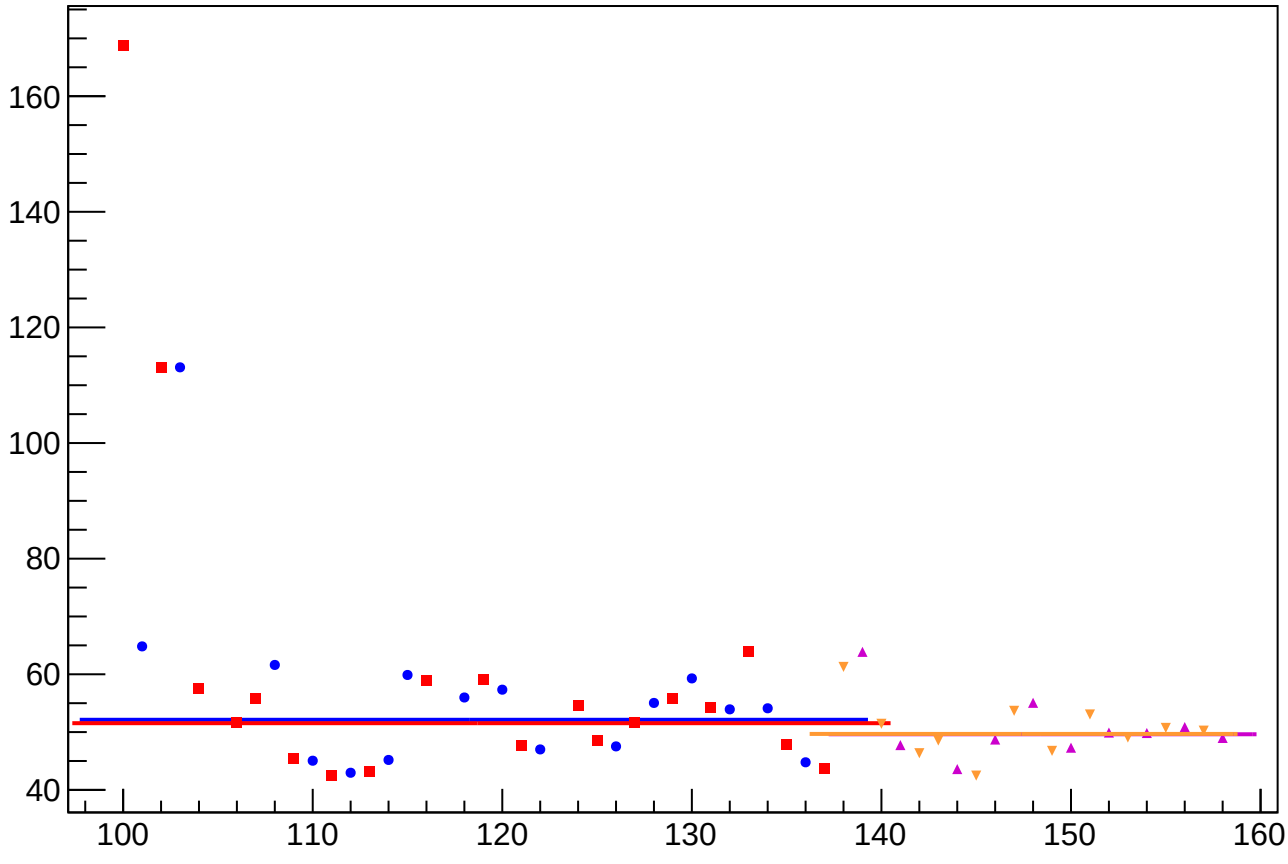
Left: 46.815+/-12.004 χ^2/NDF: 29.3/20

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 25.860+/-12.923 χ^2/NDF:33.8/25

Out: 48.352+/-12.856 χ^2/NDF:42.9/29

All: 37.164+/-9.114 χ^2/NDF: 78.2/55



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.682+/-0.012 χ^2/NDF:130666.7/10

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.8/9

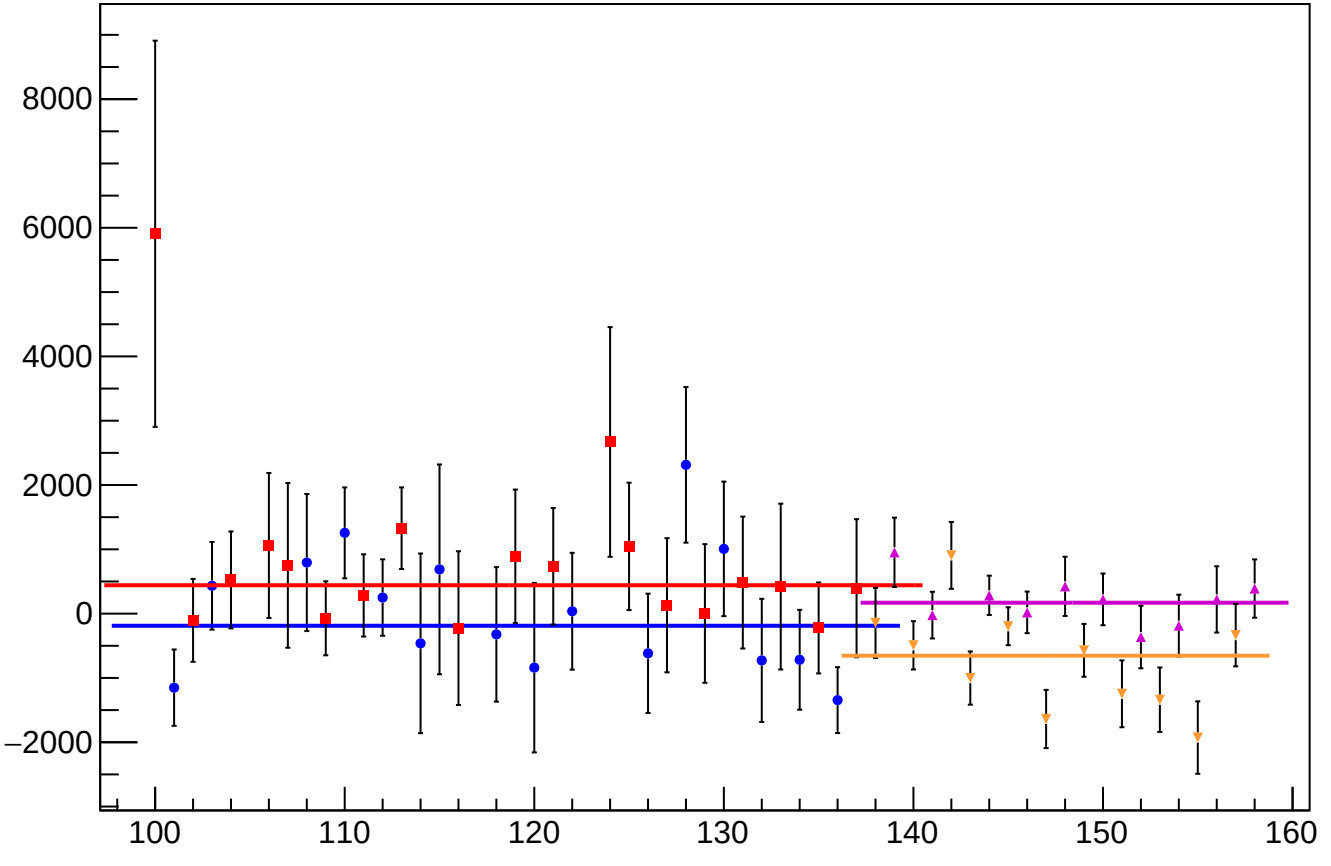
Left: 49.653+/-0.008 χ^2/NDF: 273335.1/20

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.671+/-0.009 χ^2/NDF:723840.3/25

Out: 50.480+/-0.009 χ^2/NDF:780678.8/29

All: 50.575+/-0.006 χ^2/NDF: 1504738.6/55



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -654.180+/-132.035 χ^2/NDF:26.6/10

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 169.997+/-129.810 χ^2/NDF:5.1/9

Left: -235.088+/-92.566 χ^2/NDF: 51.5/20

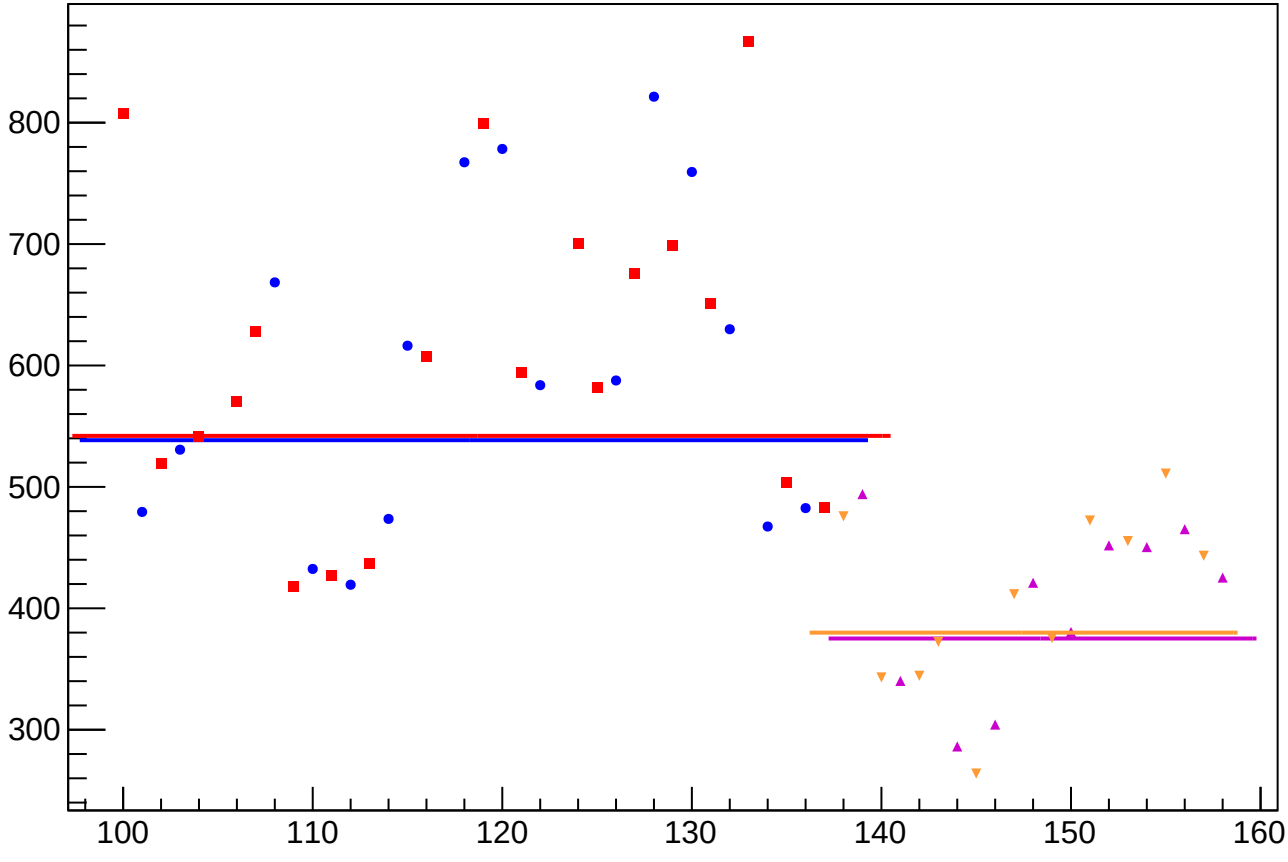
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 67.960+/-109.795 χ^2/NDF:28.6/25

Out: -331.044+/-110.862 χ^2/NDF:57.8/29

All: -129.614+/-78.011 χ^2/NDF: 93.0/55

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 379.978+/-0.093 χ^2/NDF:661583.5/10

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.136+/-0.092 χ^2/NDF:585447.9/9

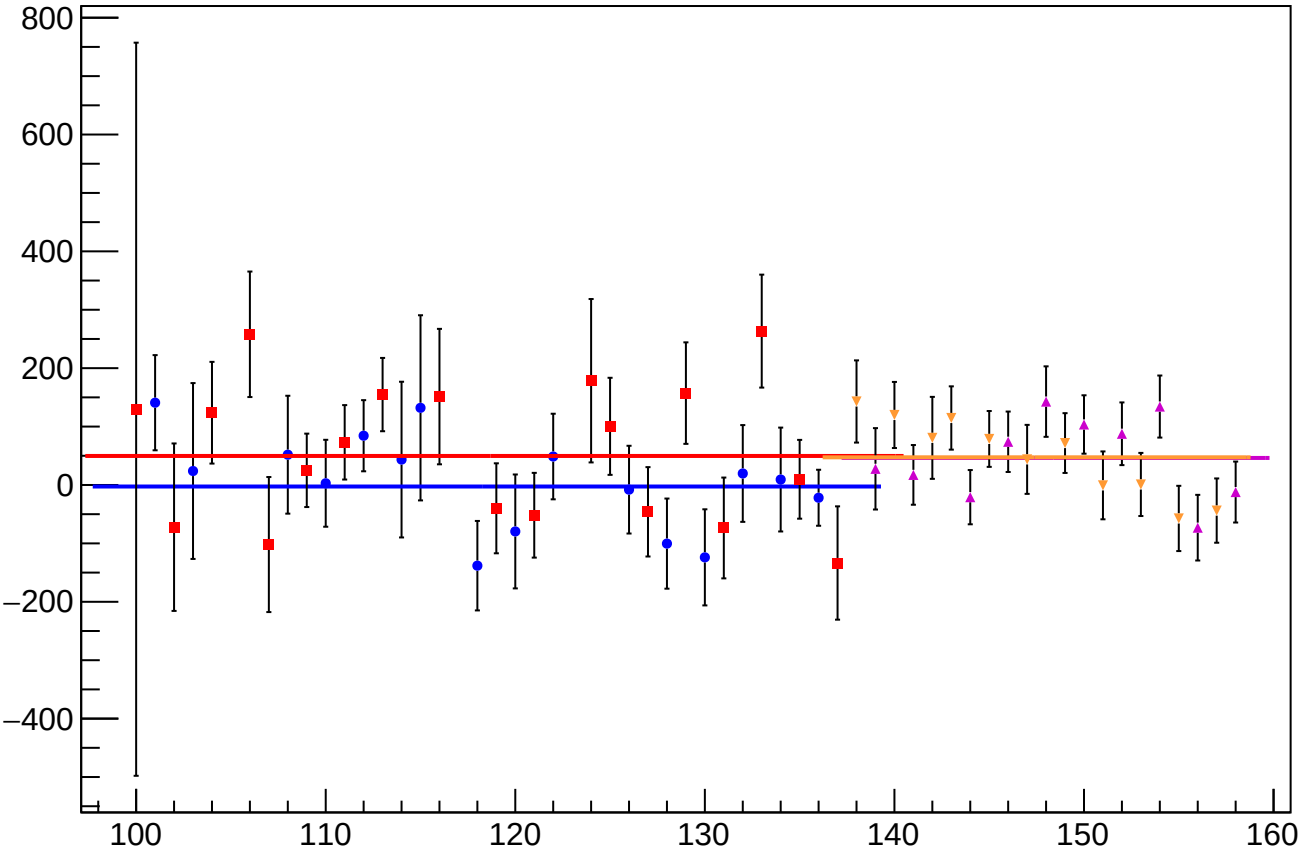
Left: 377.516+/-0.065 χ^2/NDF: 1248399.2/20

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 421.621+/-0.078 χ^2/NDF:2100607.4/25

Out: 427.783+/-0.078 χ^2/NDF:2181861.7/29

All: 424.672+/-0.055 χ^2/NDF: 4285589.1/55



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.344+/-17.017 χ^2/NDF:13.6/10

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 46.291+/-16.936 χ^2/NDF:15.7/9

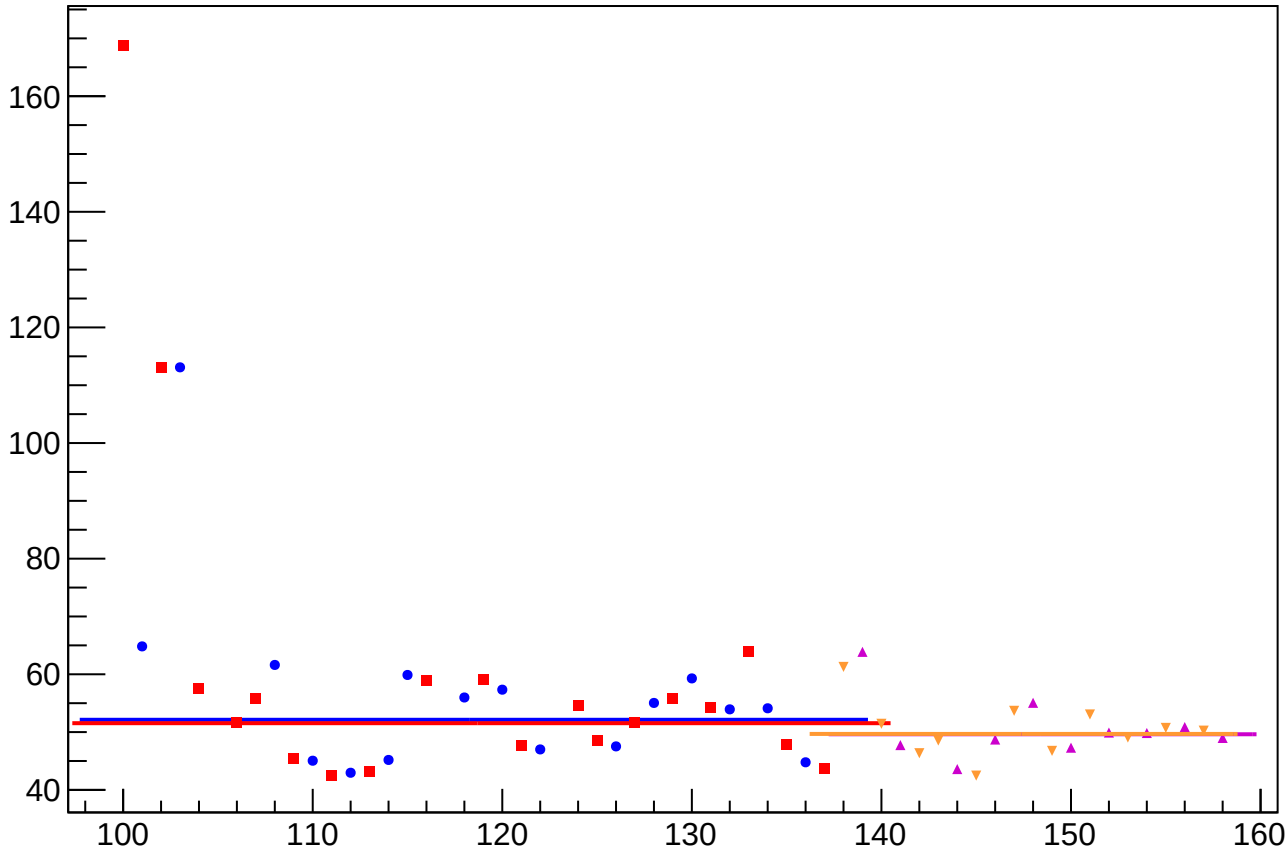
Left: 46.815+/-12.004 χ^2/NDF: 29.3/20

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 25.860+/-12.923 χ^2/NDF:33.8/25

Out: 48.352+/-12.856 χ^2/NDF:42.9/29

All: 37.164+/-9.114 χ^2/NDF: 78.2/55



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.682+/-0.012 χ^2/NDF:130666.7/10

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.8/9

Left: 49.653+/-0.008 χ^2/NDF: 273335.1/20

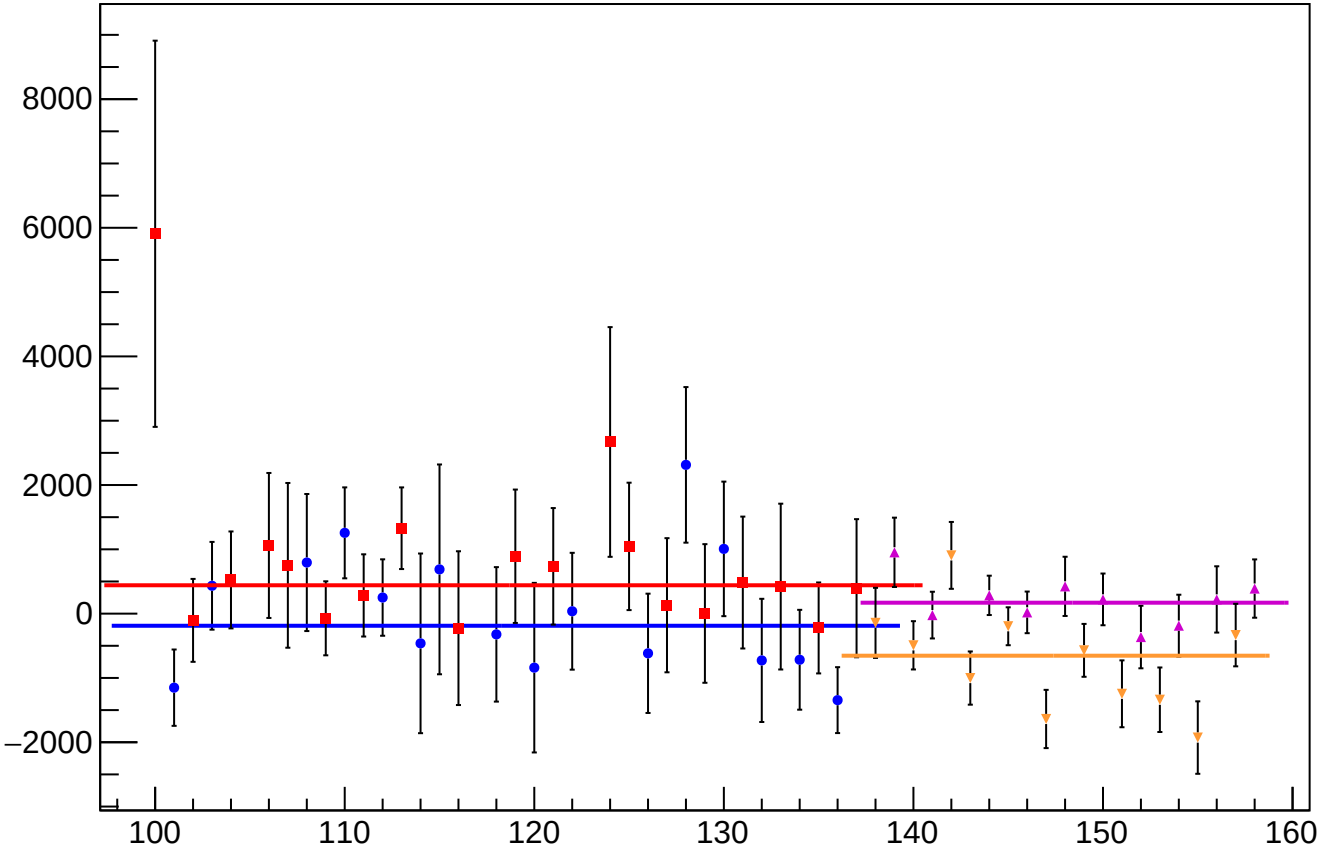
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.671+/-0.009 χ^2/NDF:723840.3/25

Out: 50.480+/-0.009 χ^2/NDF:780678.8/29

All: 50.575+/-0.006 χ^2/NDF: 1504738.6/55

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -654.180+/-132.035 χ^2/NDF:26.6/10

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 169.997+/-129.810 χ^2/NDF:5.1/9

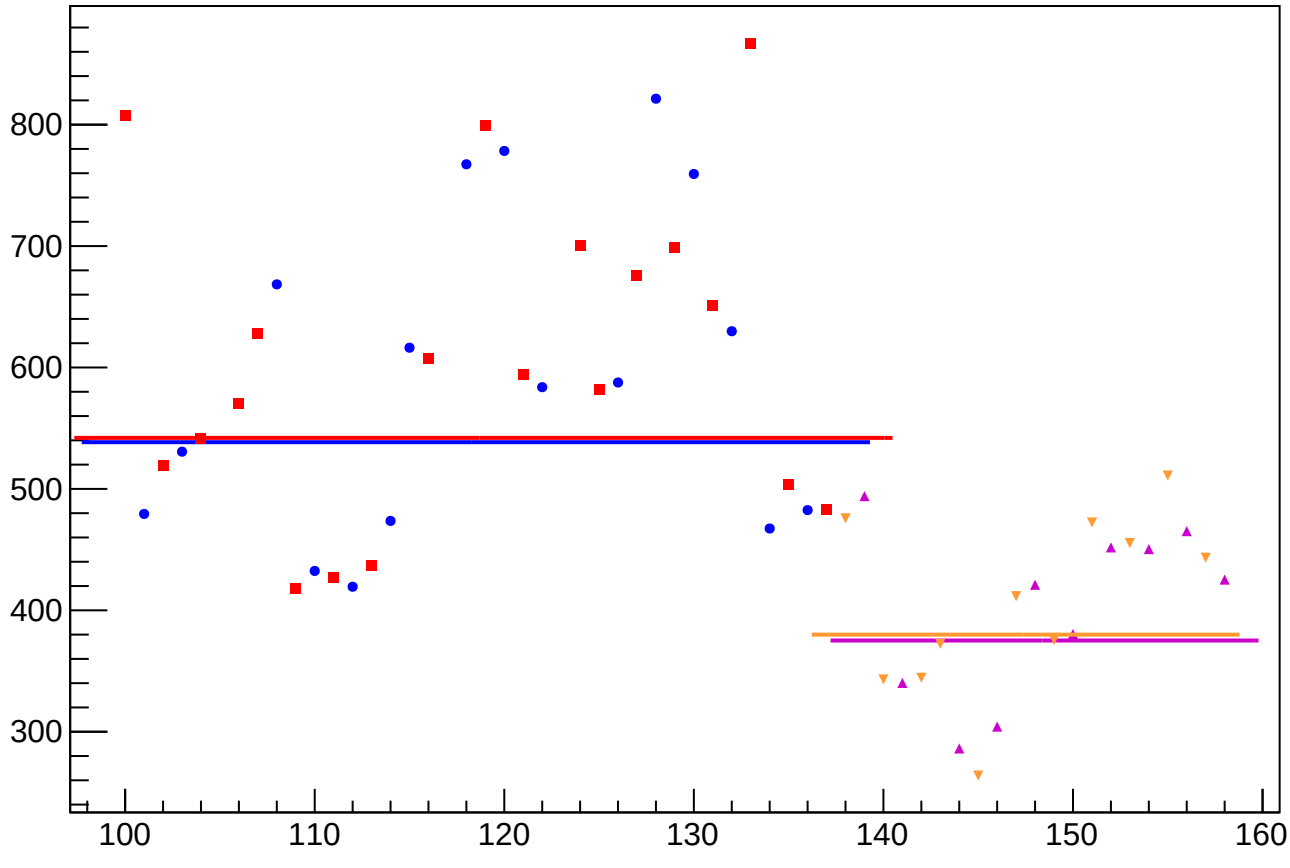
Left: -235.088+/-92.566 χ^2/NDF: 51.5/20

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 67.960+/-109.795 χ^2/NDF:28.6/25

Out: -331.044+/-110.862 χ^2/NDF:57.8/29

All: -129.614+/-78.011 χ^2/NDF: 93.0/55



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 379.978+/-0.093 χ^2/NDF:661583.5/10

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.136+/-0.092 χ^2/NDF:585447.9/9

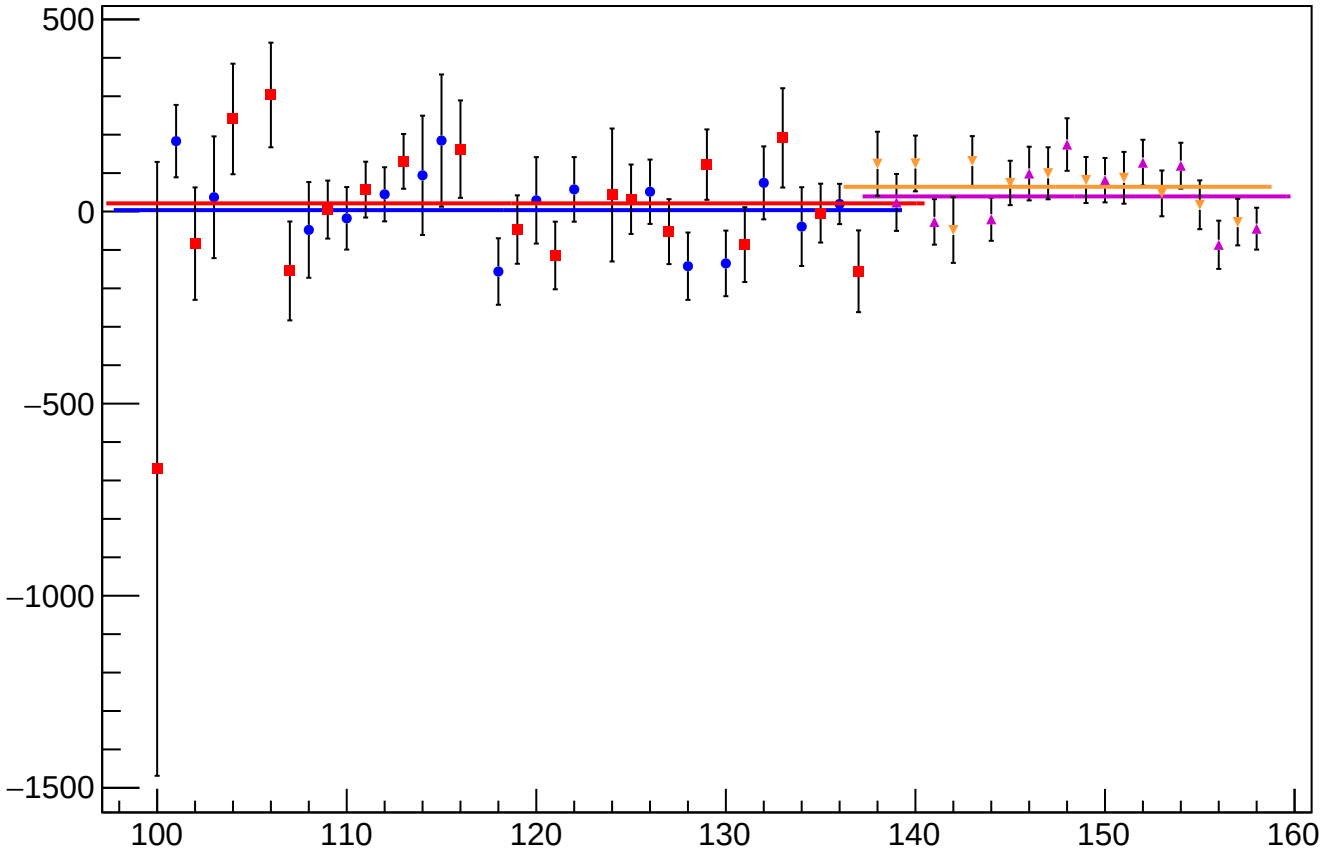
Left: 377.516+/-0.065 χ^2/NDF: 1248399.2/20

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 421.621+/-0.078 χ^2/NDF:2100607.4/25

Out: 427.783+/-0.078 χ^2/NDF:2181861.7/29

All: 424.672+/-0.055 χ^2/NDF: 4285589.1/55



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 64.316+/-19.895 χ^2/NDF:7.4/10

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 39.306+/-19.403 χ^2/NDF:17.9/9

Left: 51.498+/-13.891 χ^2/NDF: 26.2/20

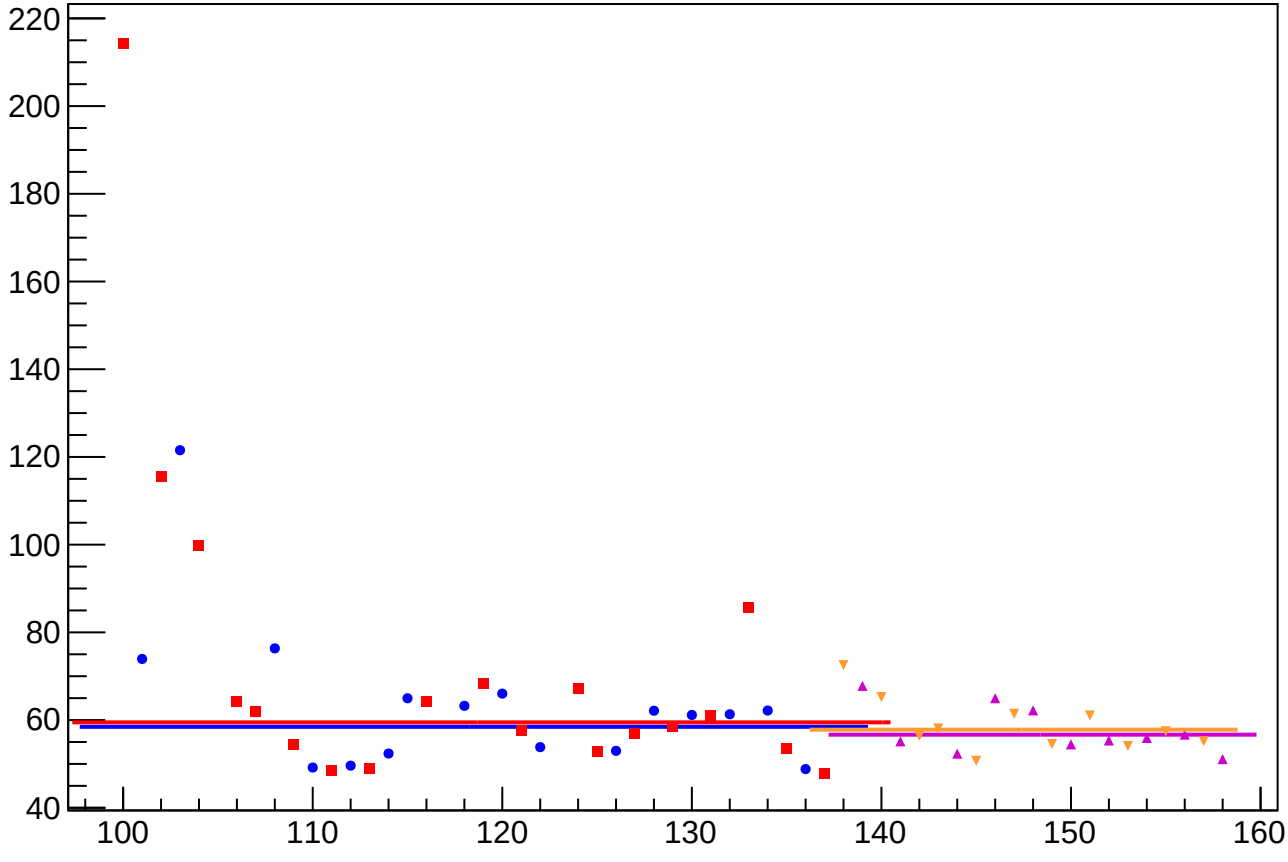
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 24.061+/-14.689 χ^2/NDF:35.5/25

Out: 45.671+/-14.982 χ^2/NDF:33.9/29

All: 34.653+/-10.488 χ^2/NDF: 70.5/55

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 57.809+/-0.014 χ^2/NDF:142080.2/10

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.672+/-0.014 χ^2/NDF:124859.7/9

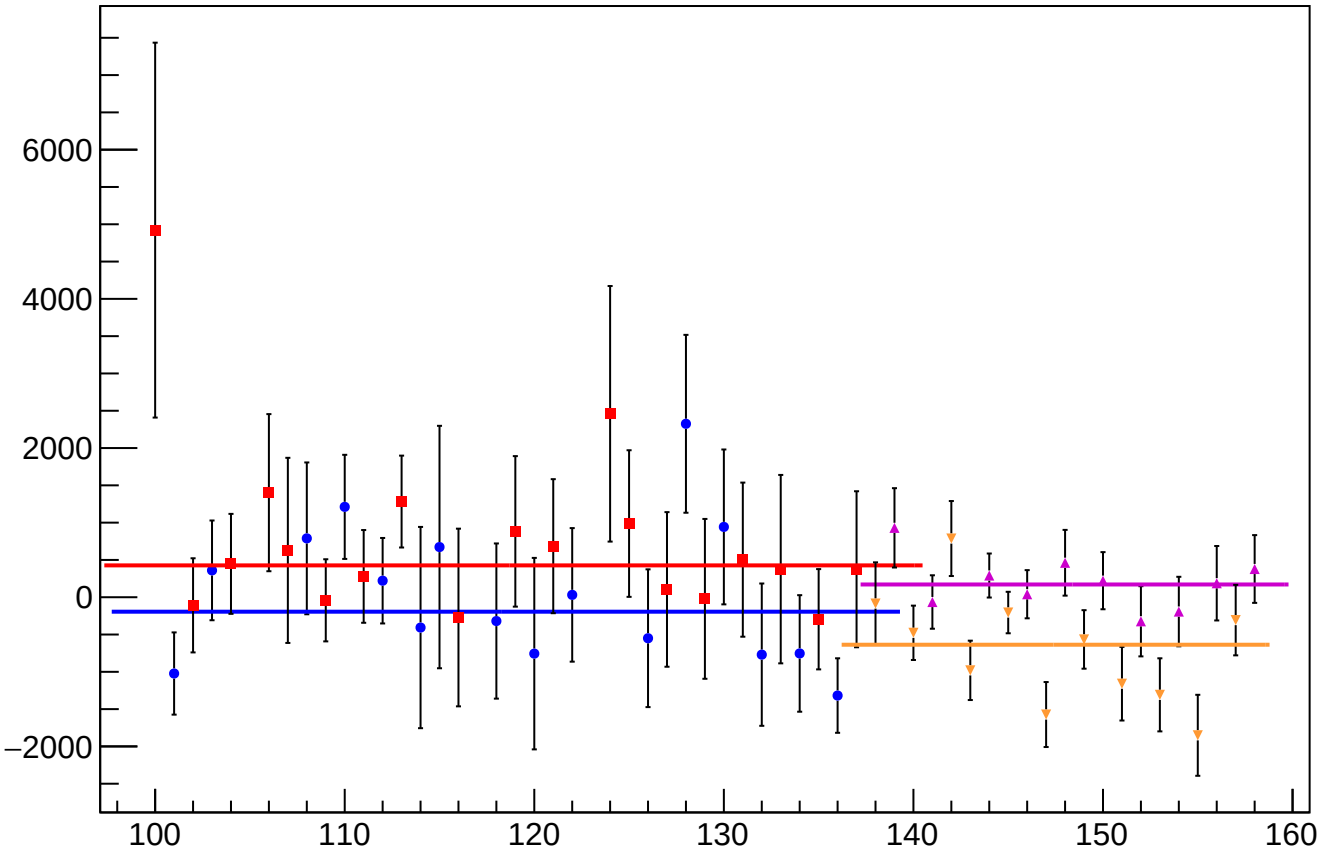
Left: 57.226+/-0.010 χ^2/NDF: 270285.6/20

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.438+/-0.010 χ^2/NDF:715136.8/25

Out: 58.534+/-0.011 χ^2/NDF:933099.3/29

All: 57.975+/-0.007 χ^2/NDF: 1653697.1/55



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -636.702+/-127.068 χ^2/NDF:25.5/10

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 170.982+/-126.639 χ^2/NDF:5.2/9

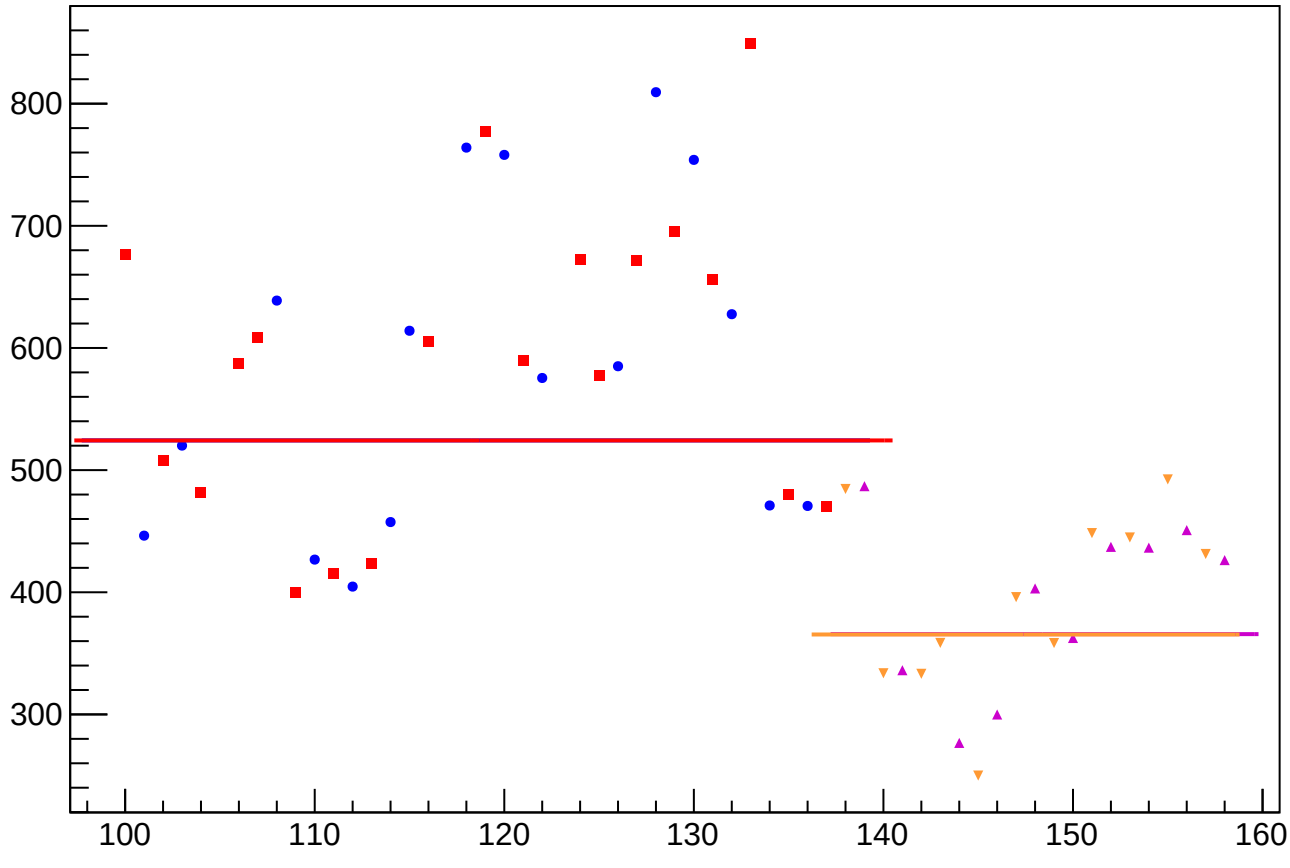
Left: -231.496+/-89.699 χ^2/NDF: 50.9/20

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 67.004+/-107.086 χ^2/NDF:28.3/25

Out: -324.197+/-106.783 χ^2/NDF:57.4/29

All: -129.151+/-75.614 χ^2/NDF: 92.4/55



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 365.441+/-0.090 χ^2/NDF:730046.0/10

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 365.740+/-0.090 χ^2/NDF:583172.7/9

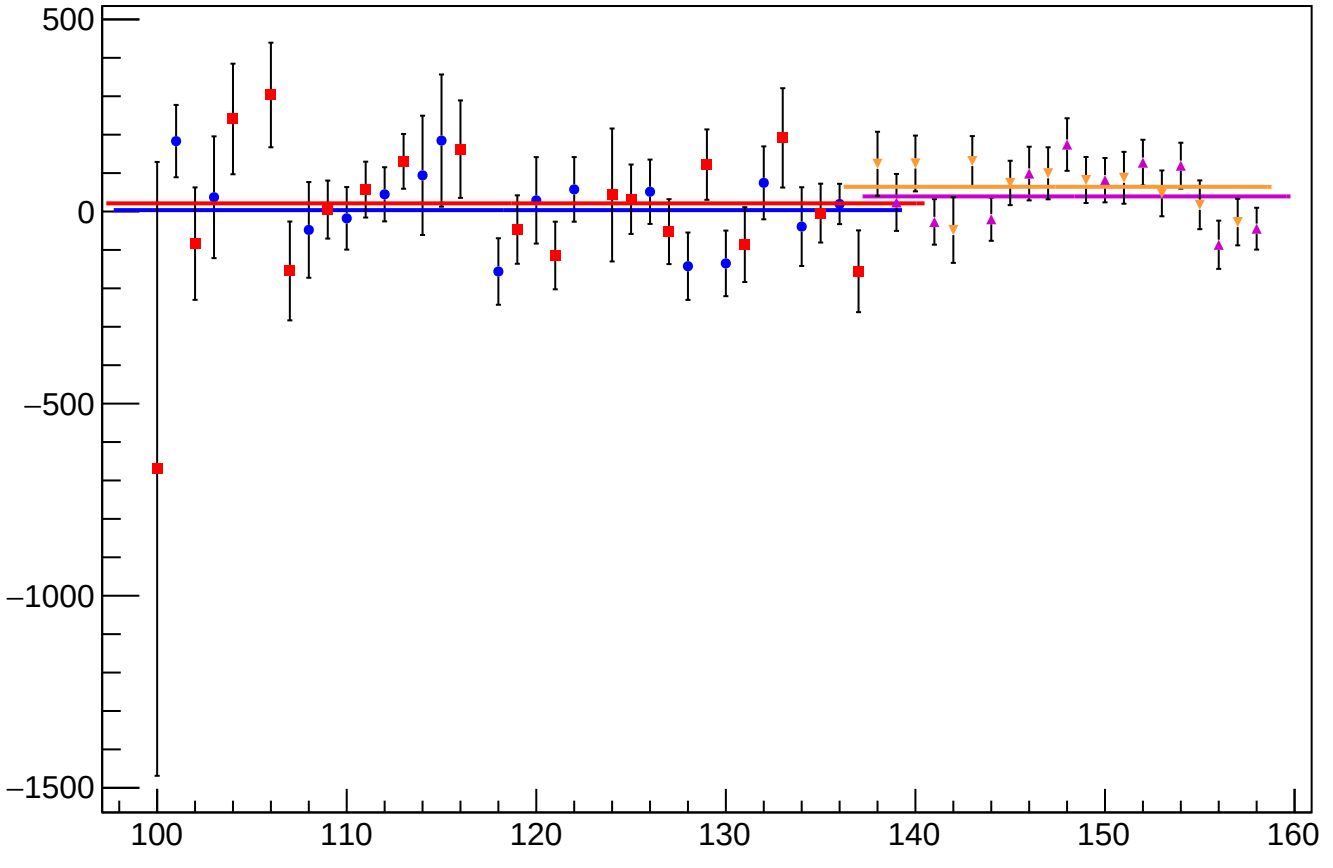
Left: 365.591+/-0.063 χ^2/NDF: 1313224.3/20

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 410.931+/-0.076 χ^2/NDF:2135403.6/25

Out: 412.115+/-0.076 χ^2/NDF:2334577.2/29

All: 411.525+/-0.053 χ^2/NDF: 4470103.4/55



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 64.316+/-19.895 χ^2/NDF:7.4/10

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 39.306+/-19.404 χ^2/NDF:17.9/9

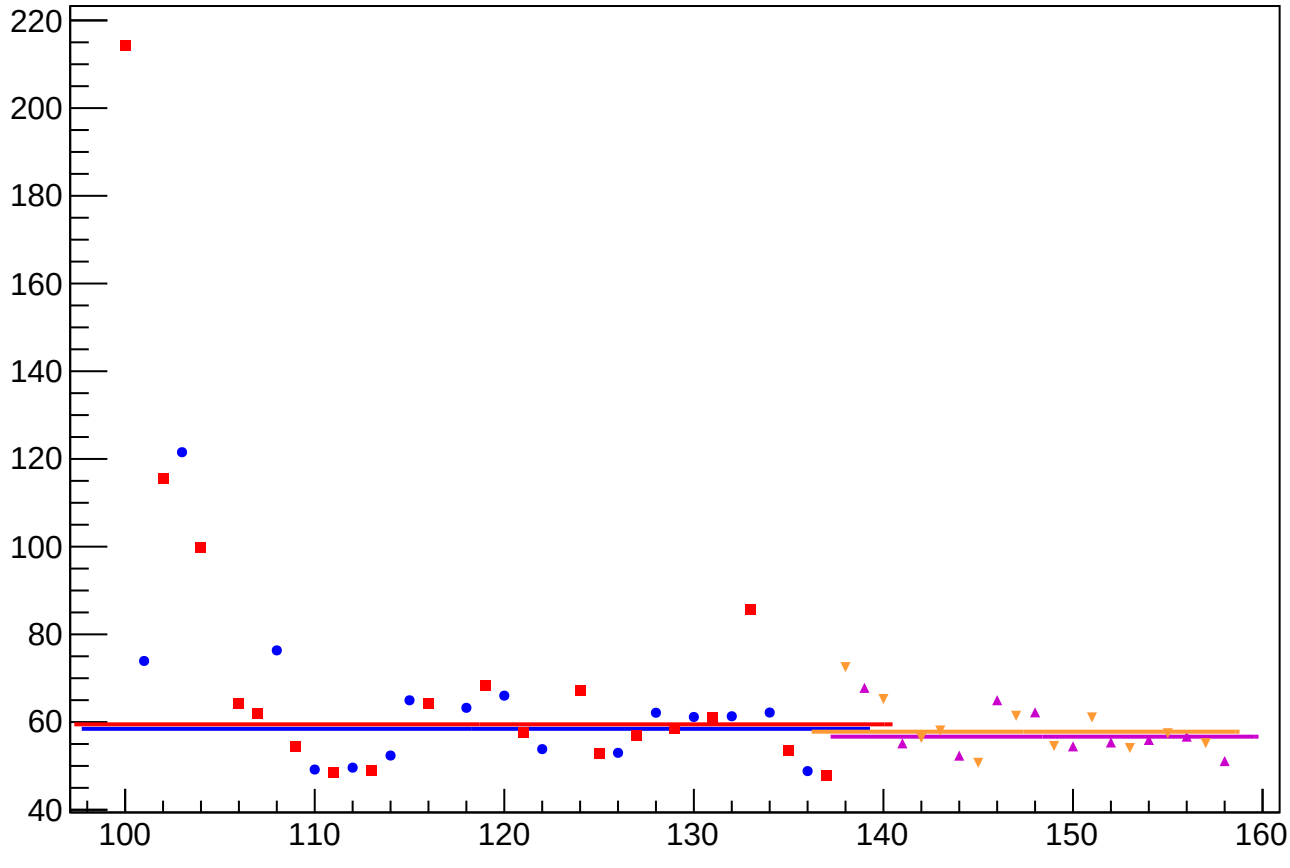
Left: 51.498+/-13.891 χ^2/NDF: 26.2/20

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 24.060+/-14.689 χ^2/NDF:35.5/25

Out: 45.671+/-14.982 χ^2/NDF:33.9/29

All: 34.652+/-10.489 χ^2/NDF: 70.5/55



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 57.809+/-0.014 χ^2/NDF:142080.3/10

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.672+/-0.014 χ^2/NDF:124860.1/9

Left: 57.227+/-0.010 χ^2/NDF: 270286.6/20

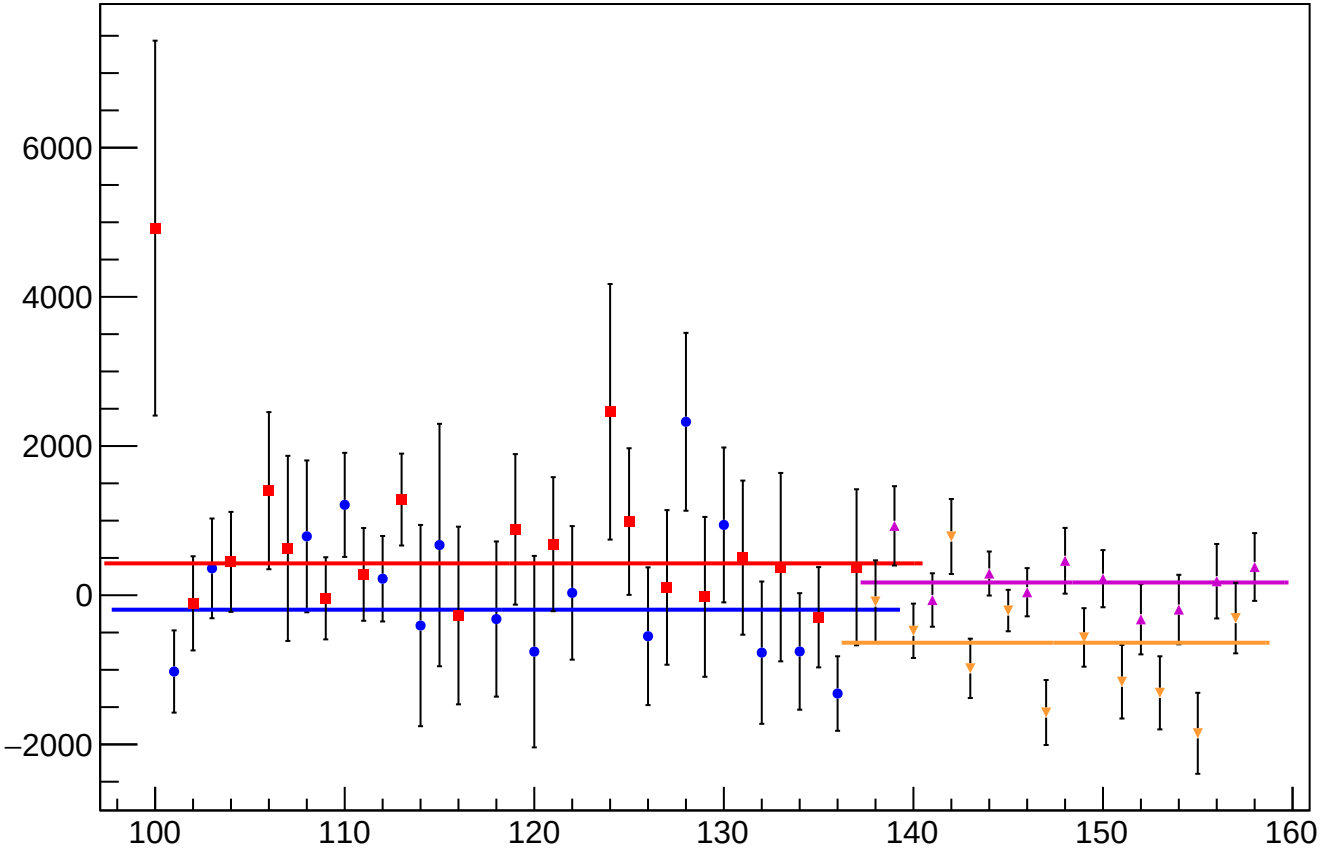
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.438+/-0.010 χ^2/NDF:715132.8/25

Out: 58.534+/-0.011 χ^2/NDF:933098.4/29

All: 57.975+/-0.007 χ^2/NDF: 1653692.7/55

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -636.702+/-127.068 χ^2/NDF:25.5/10

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 170.981+/-126.639 χ^2/NDF:5.2/9

Left: -231.496+/-89.699 χ^2/NDF: 50.9/20

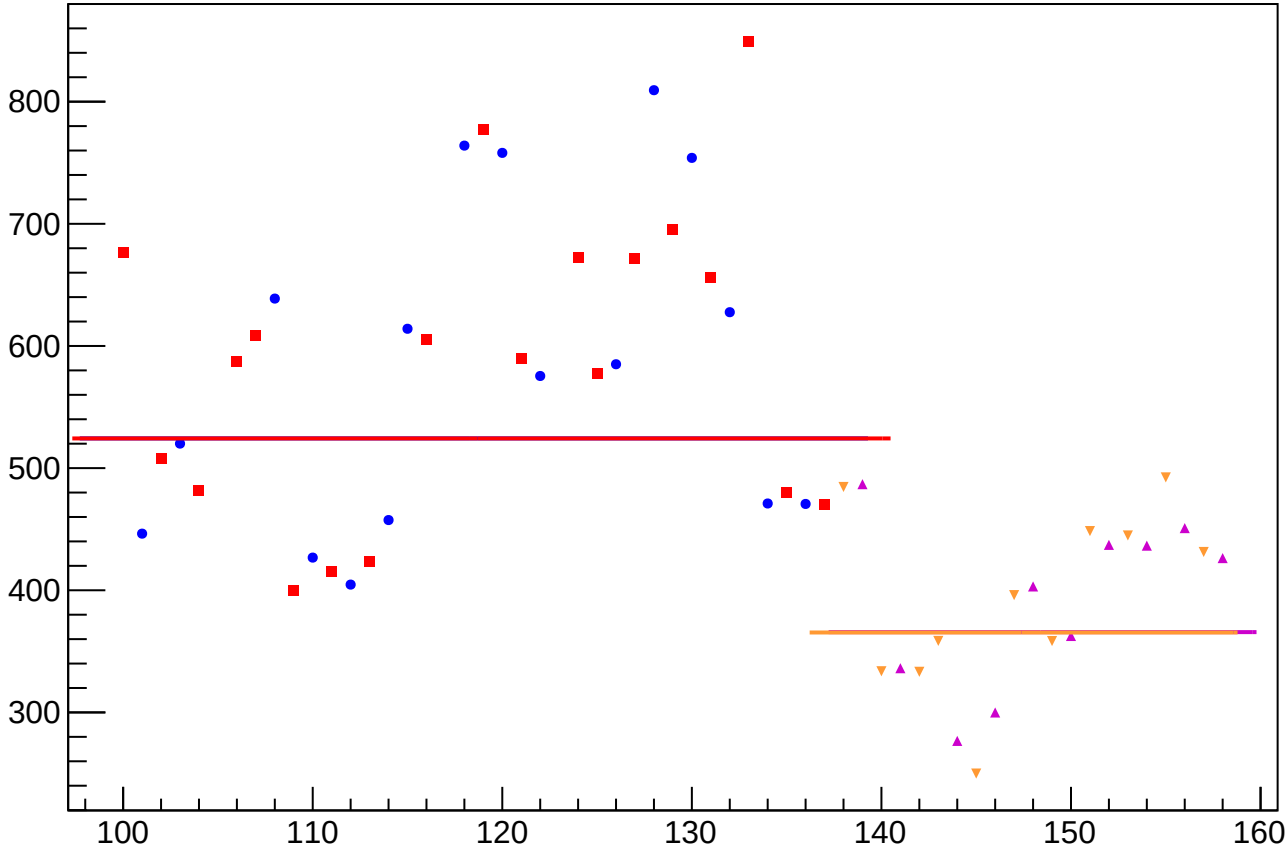
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 67.004+/-107.086 χ^2/NDF:28.3/25

Out: -324.197+/-106.782 χ^2/NDF:57.4/29

All: -129.152+/-75.614 χ^2/NDF: 92.4/55

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 365.441+/-0.090 χ^2/NDF:730043.6/10

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 365.740+/-0.090 χ^2/NDF:583169.9/9

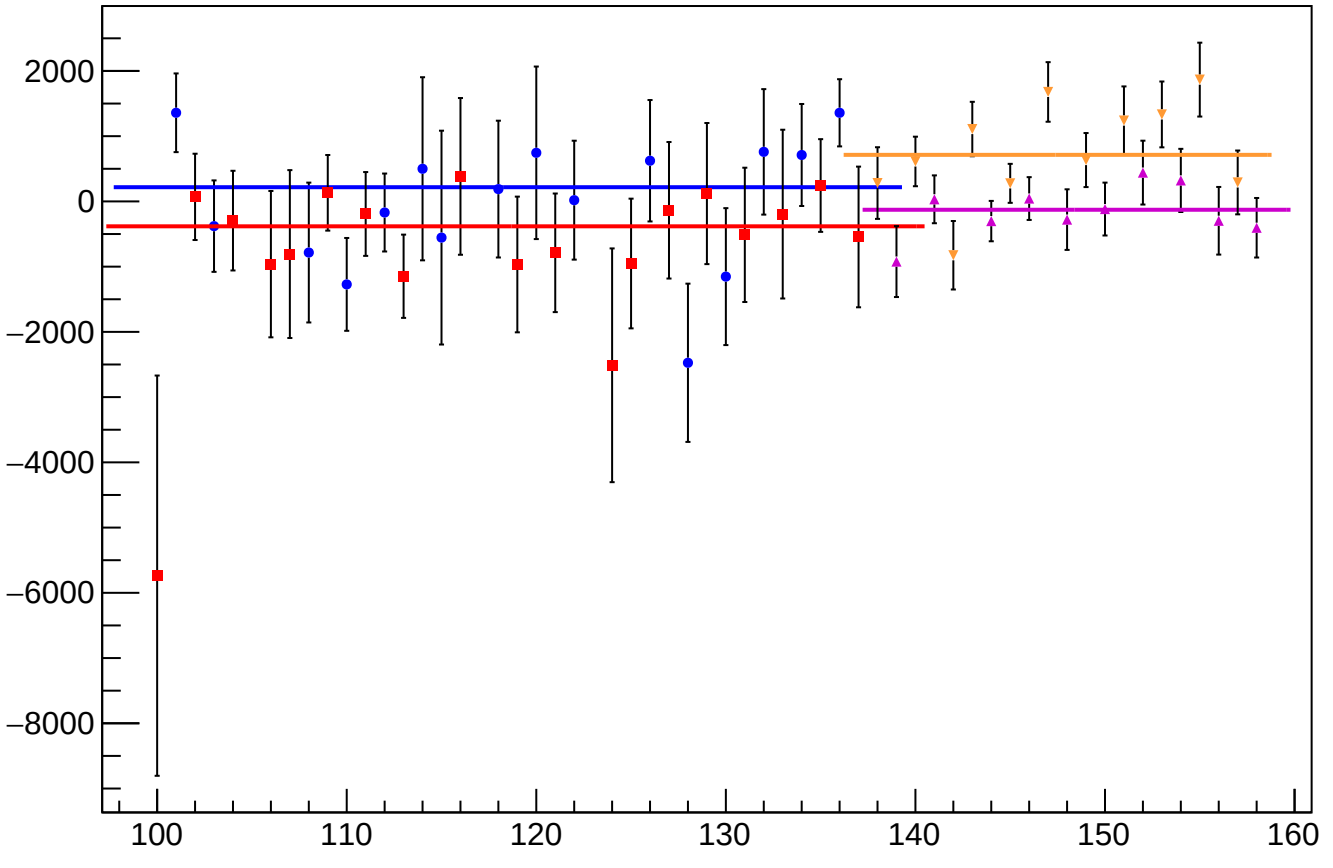
Left: 365.591+/-0.063 χ^2/NDF: 1313219.1/20

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 410.931+/-0.076 χ^2/NDF:2135398.7/25

Out: 412.115+/-0.076 χ^2/NDF:2334570.2/29

All: 411.524+/-0.053 χ^2/NDF: 4470091.5/55



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 713.643+/-133.249 χ^2/NDF:24.2/10

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -128.068+/-131.028 χ^2/NDF:5.7/9

Left: 285.712+/-93.426 χ^2/NDF: 50.2/20

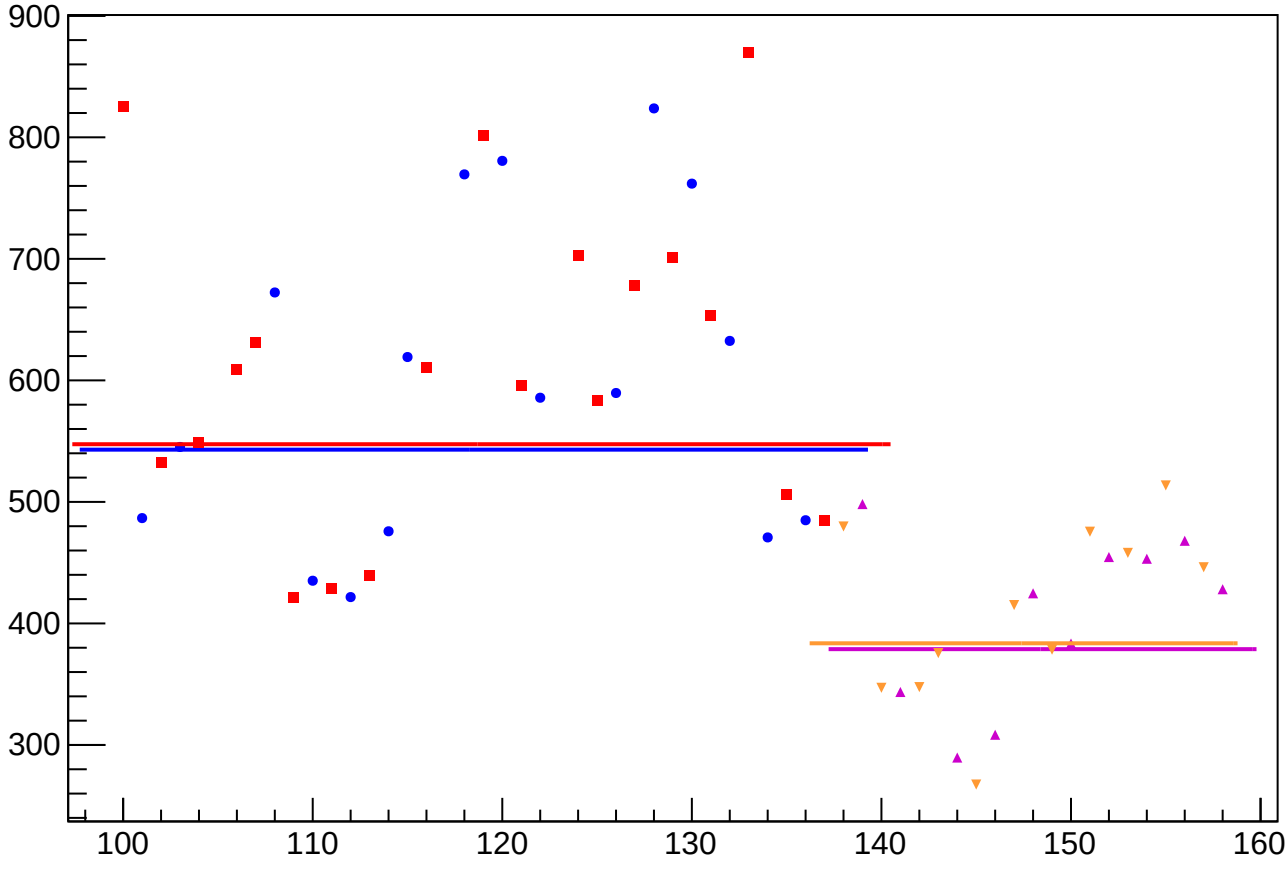
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -29.478+/-110.787 χ^2/NDF:30.6/25

Out: 389.576+/-111.817 χ^2/NDF:54.2/29

All: 178.111+/-78.700 χ^2/NDF: 91.9/55

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 383.658+/-0.094 χ^2/NDF:645525.7/10

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 378.839+/-0.093 χ^2/NDF:570903.3/9

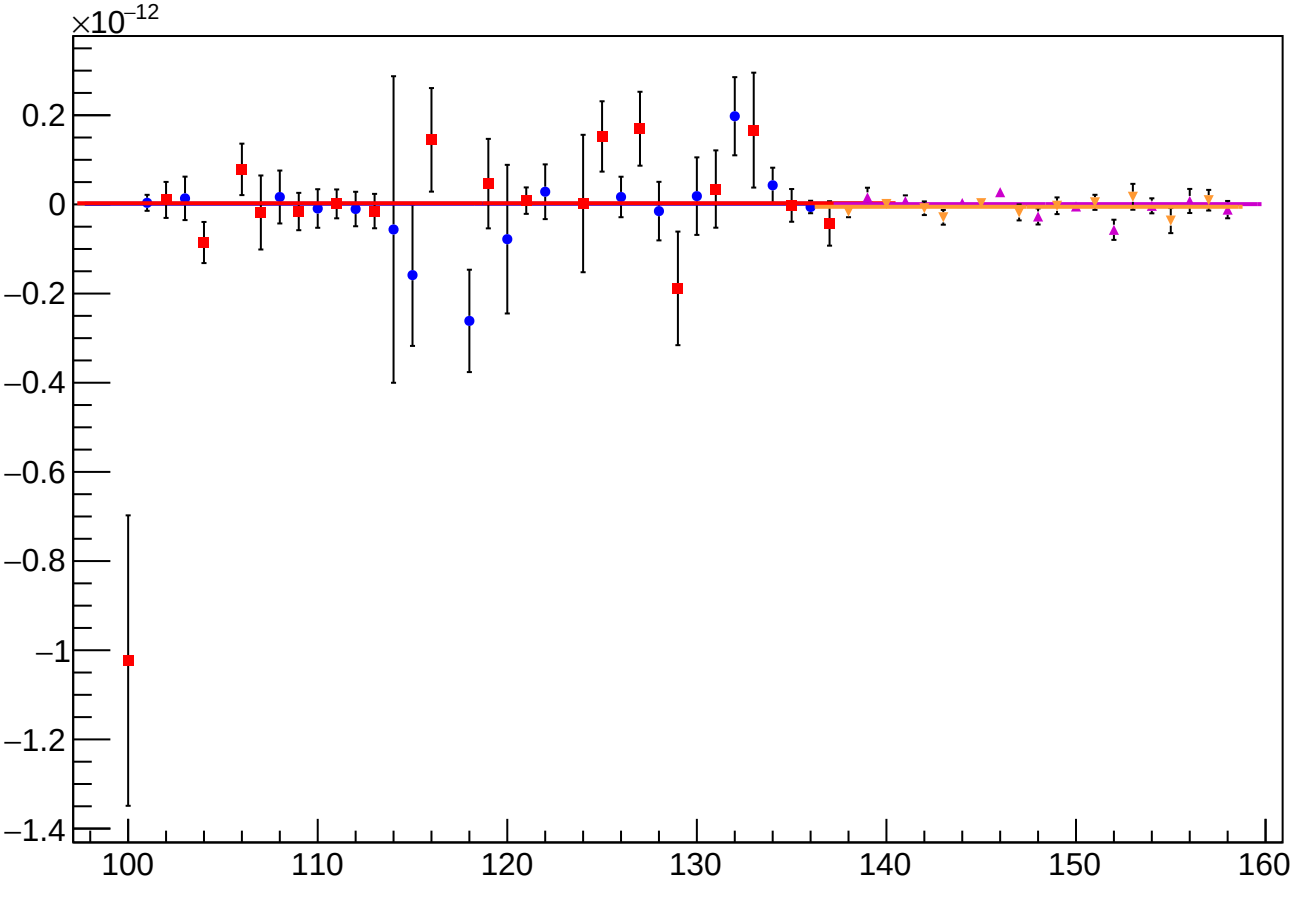
Left: 381.208+/-0.066 χ^2/NDF: 1217758.6/20

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 425.638+/-0.078 χ^2/NDF:2071119.9/25

Out: 432.115+/-0.079 χ^2/NDF:2169926.6/29

All: 428.847+/-0.056 χ^2/NDF: 4244432.6/55



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/9

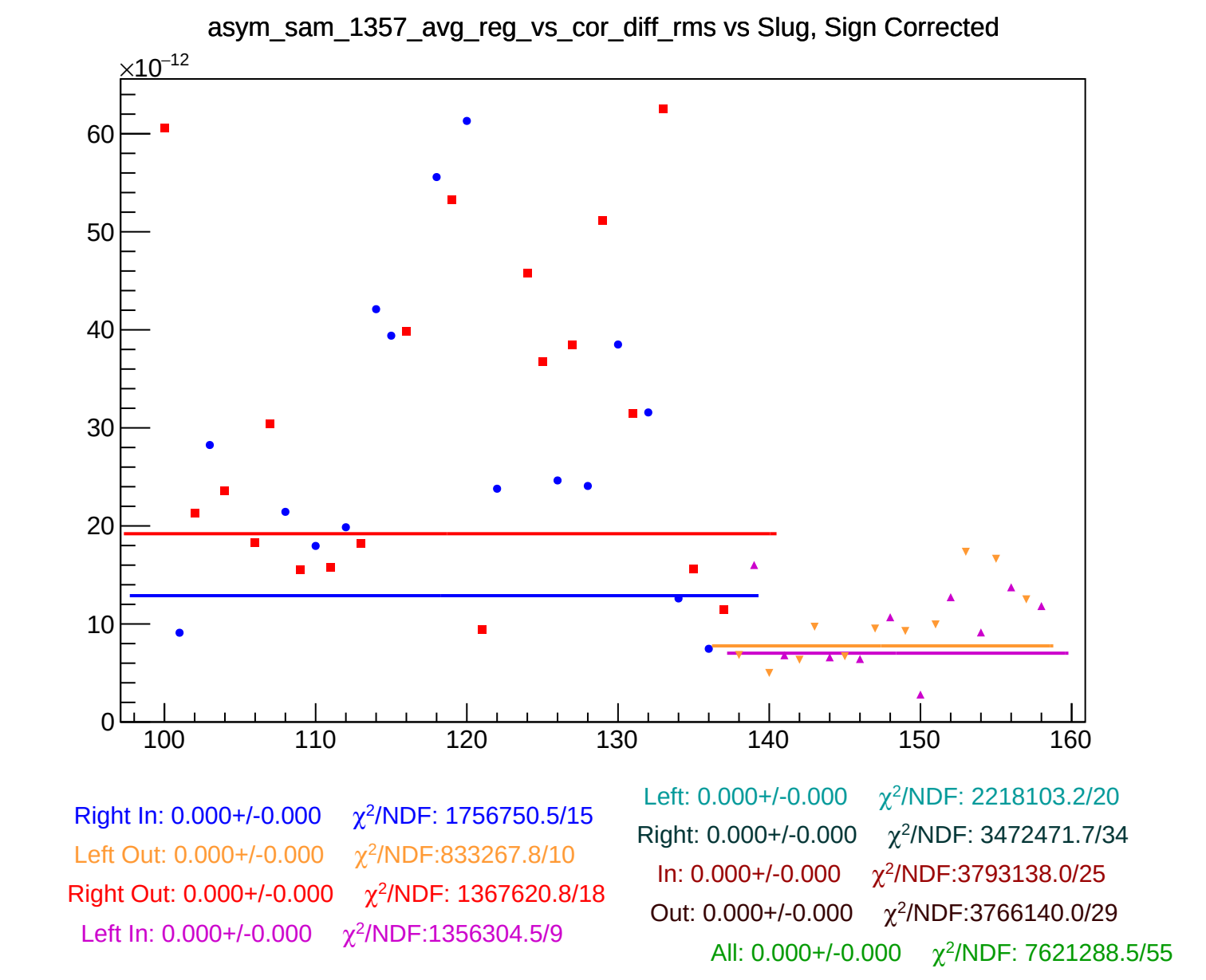
Left: -0.000+/-0.000 χ^2/NDF: 24.3/20

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

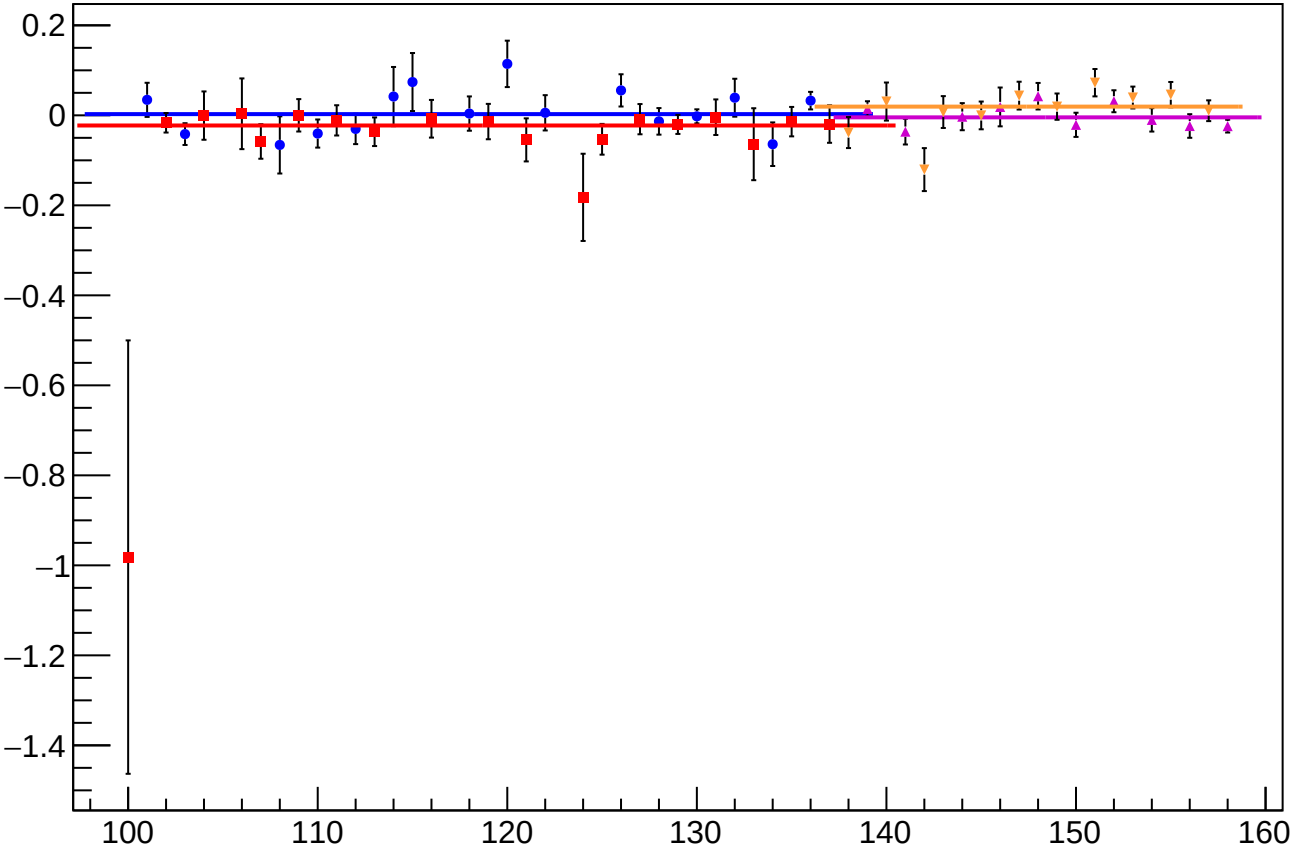
In: 0.000+/-0.000 χ^2/NDF:29.9/25

Out: -0.000+/-0.000 χ^2/NDF:37.5/29

All: -0.000+/-0.000 χ^2/NDF: 68.2/55


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:833267.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1356304.5/9
Left: 0.000+/-0.000 χ²/NDF: 2218103.2/20
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3793138.0/25
Out: 0.000+/-0.000 χ²/NDF:3766140.0/29
All: 0.000+/-0.000 χ²/NDF: 7621288.5/55

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.019+/-0.009 χ^2/NDF:17.4/10

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.007 χ^2/NDF:10.3/9

Left: 0.005+/-0.006 χ^2/NDF: 31.8/20

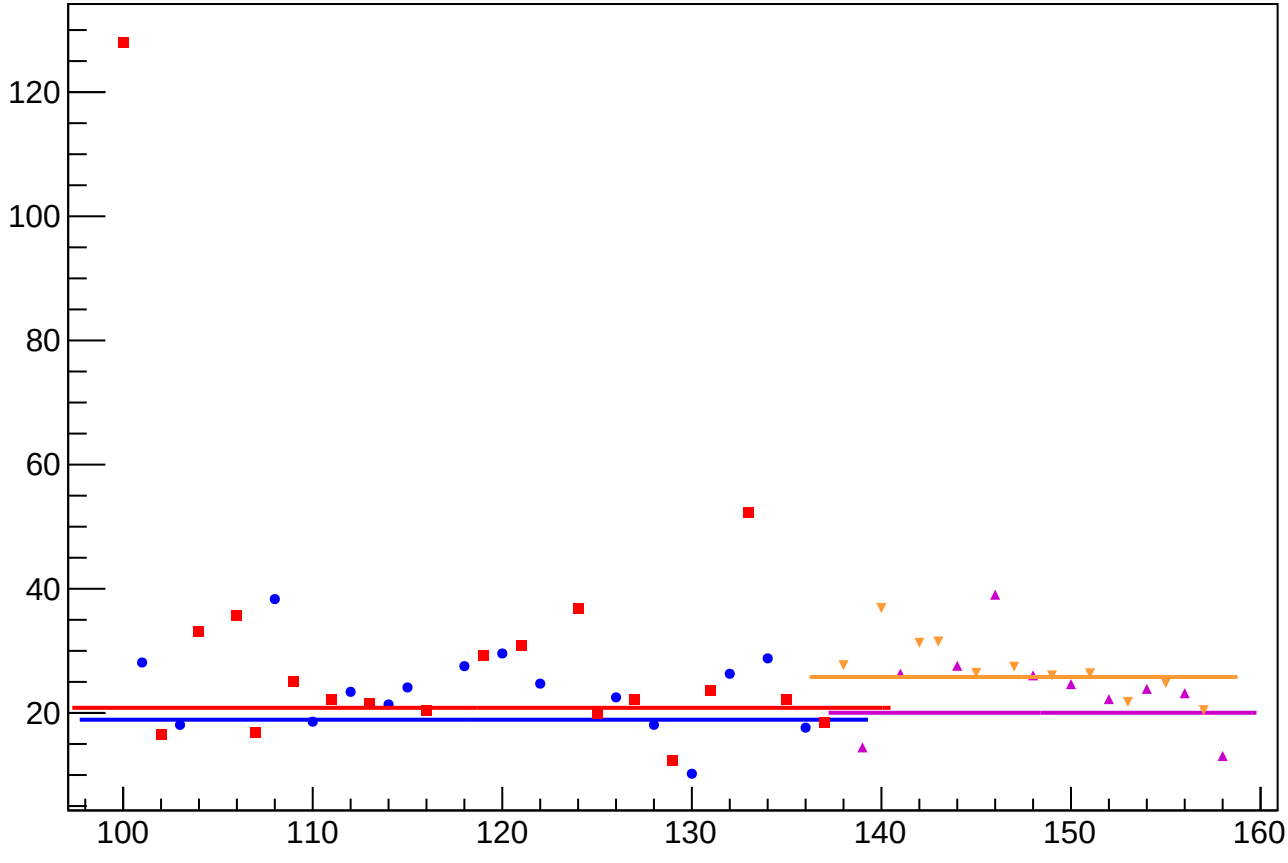
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.001+/-0.005 χ^2/NDF:32.7/25

Out: -0.003+/-0.006 χ^2/NDF:39.4/29

All: -0.002+/-0.004 χ^2/NDF: 72.2/55

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 25.790+/-0.007 χ^2/NDF:394060.0/10

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.028+/-0.005 χ^2/NDF:1537237.2/9

Left: 22.280+/-0.004 χ^2/NDF: 2409270.7/20

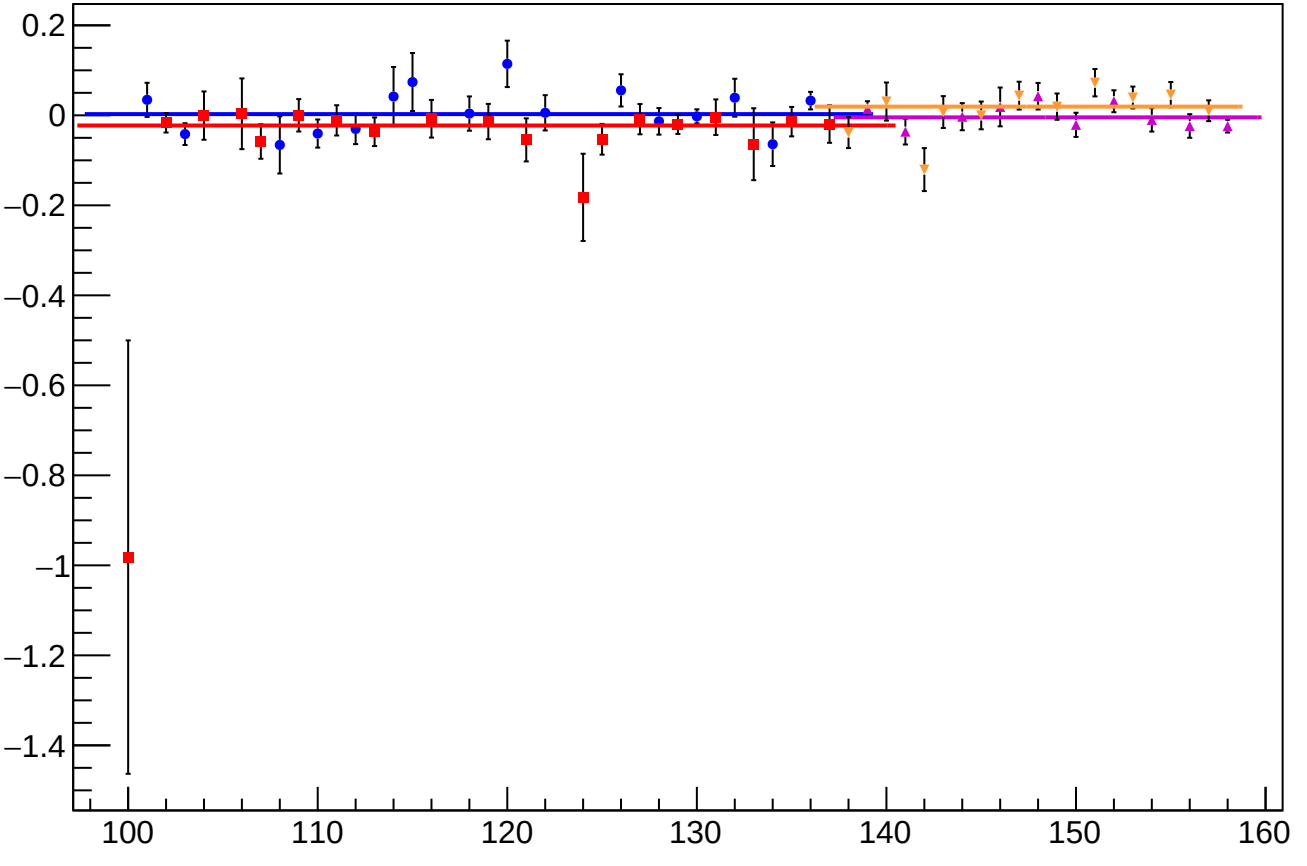
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.502+/-0.004 χ^2/NDF:2949252.8/25

Out: 23.098+/-0.004 χ^2/NDF:2001450.0/29

All: 21.033+/-0.003 χ^2/NDF: 5334264.2/55

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: 0.019+/-0.009 χ^2/NDF:17.4/10

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.007 χ^2/NDF:10.3/9

Left: 0.005+/-0.006 χ^2/NDF: 31.8/20

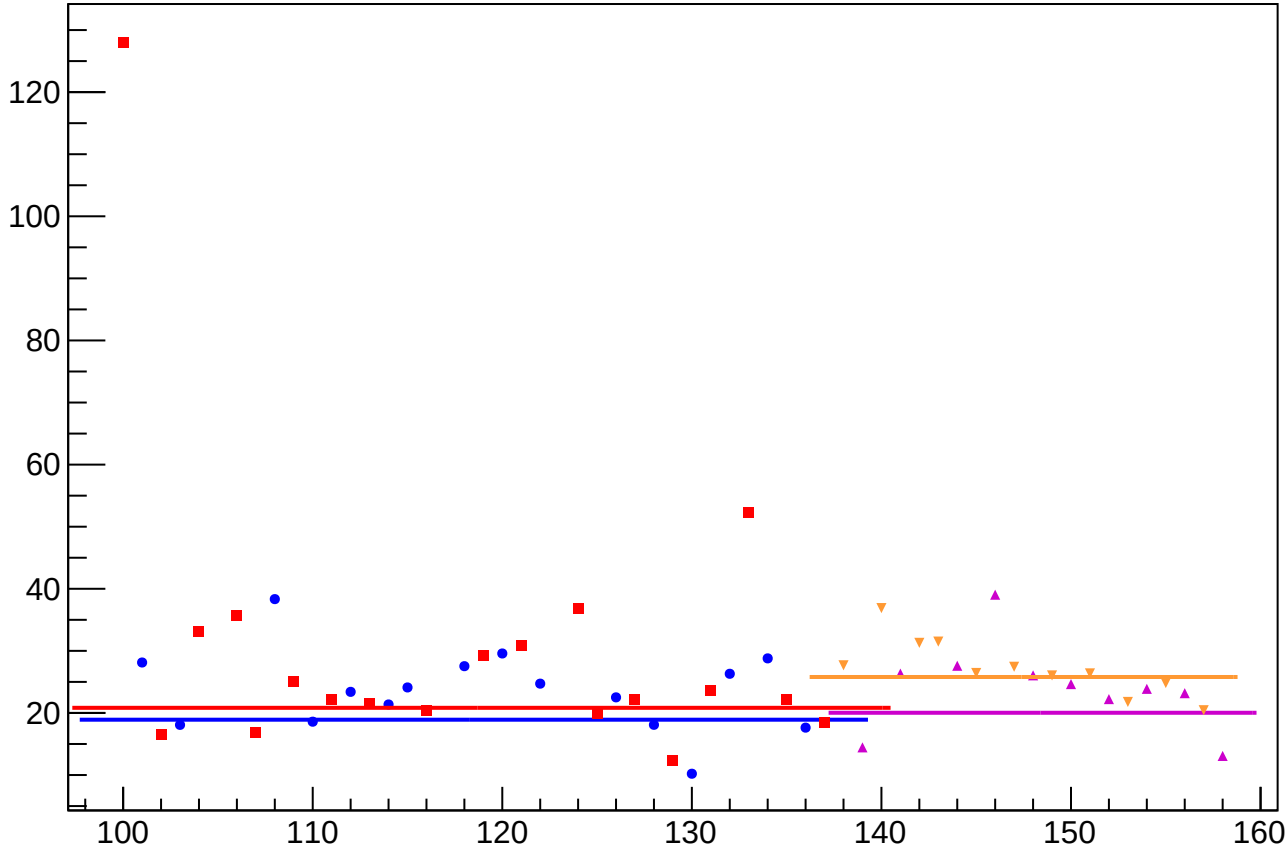
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.001+/-0.005 χ^2/NDF:32.7/25

Out: -0.003+/-0.006 χ^2/NDF:39.4/29

All: -0.002+/-0.004 χ^2/NDF: 72.2/55

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: 25.790+/-0.007 χ^2/NDF:394060.0/10

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.028+/-0.005 χ^2/NDF:1537237.2/9

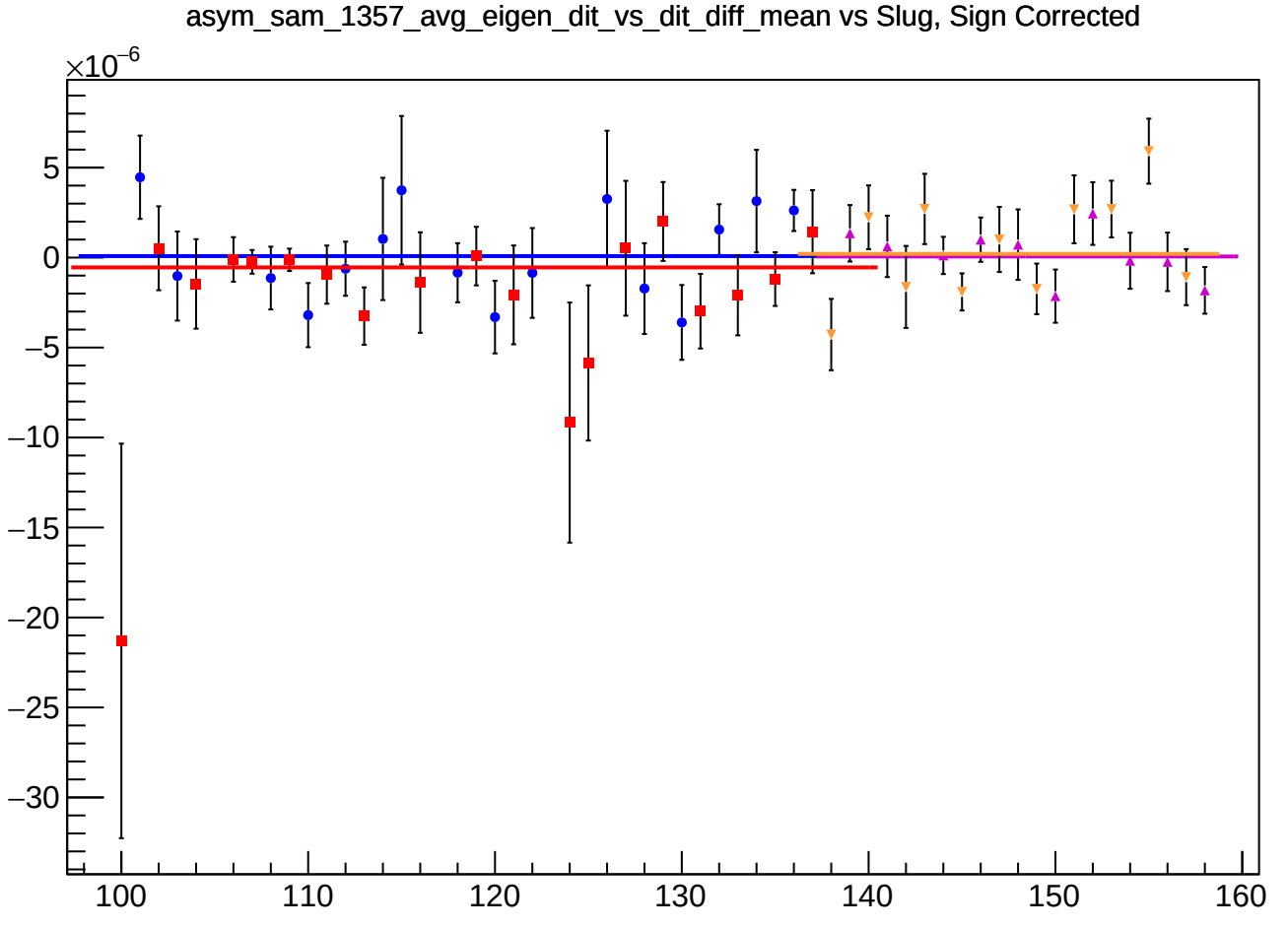
Left: 22.280+/-0.004 χ^2/NDF: 2409270.7/20

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.502+/-0.004 χ^2/NDF:2949252.8/25

Out: 23.098+/-0.004 χ^2/NDF:2001450.0/29

All: 21.033+/-0.003 χ^2/NDF: 5334264.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/9

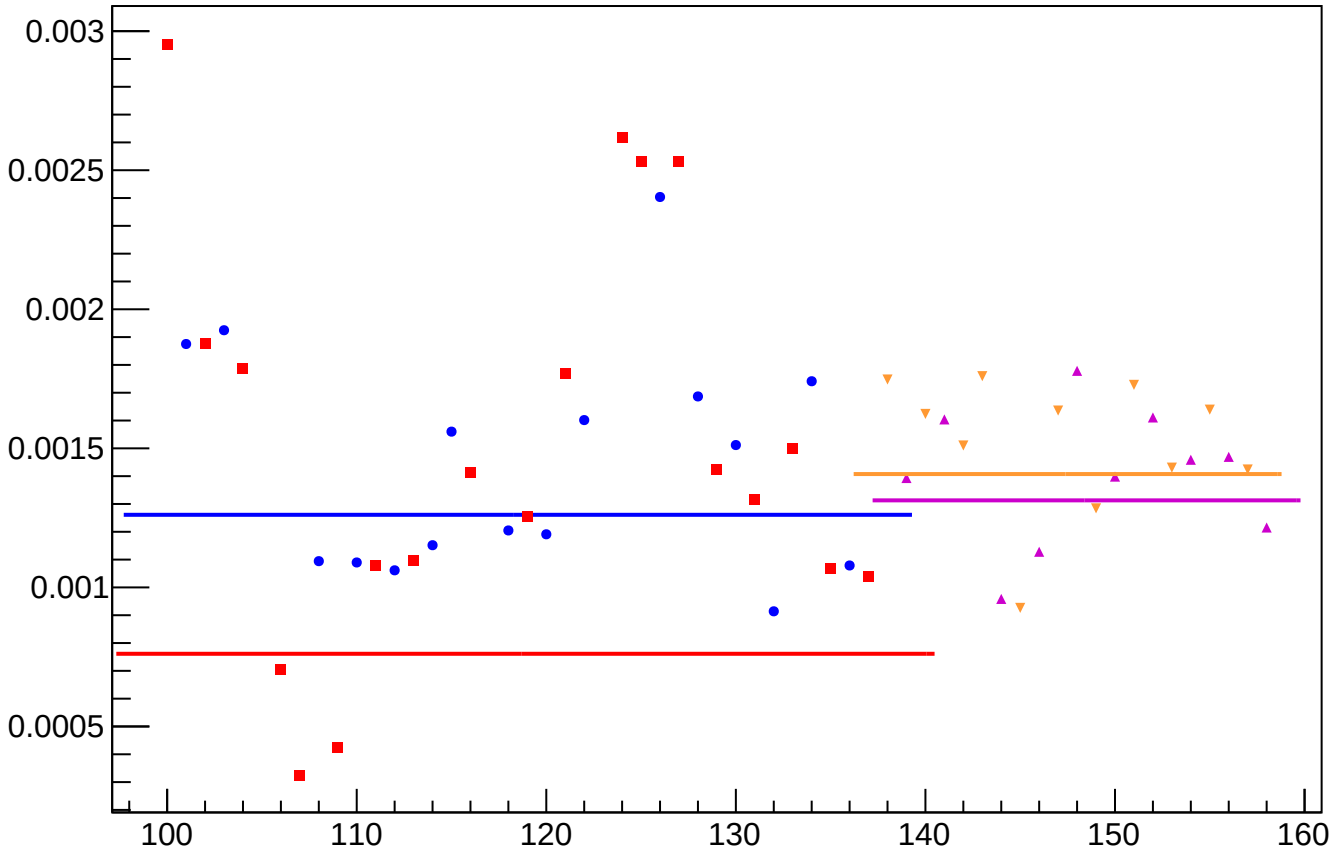
Left: 0.000+/-0.000 χ^2/NDF: 37.7/20

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:31.3/25

Out: -0.000+/-0.000 χ^2/NDF:47.1/29

All: -0.000+/-0.000 χ^2/NDF: 79.1/55



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:731105.8/10

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:568593.4/9

Left: 0.001+/-0.000 χ^2/NDF: 1339584.4/20

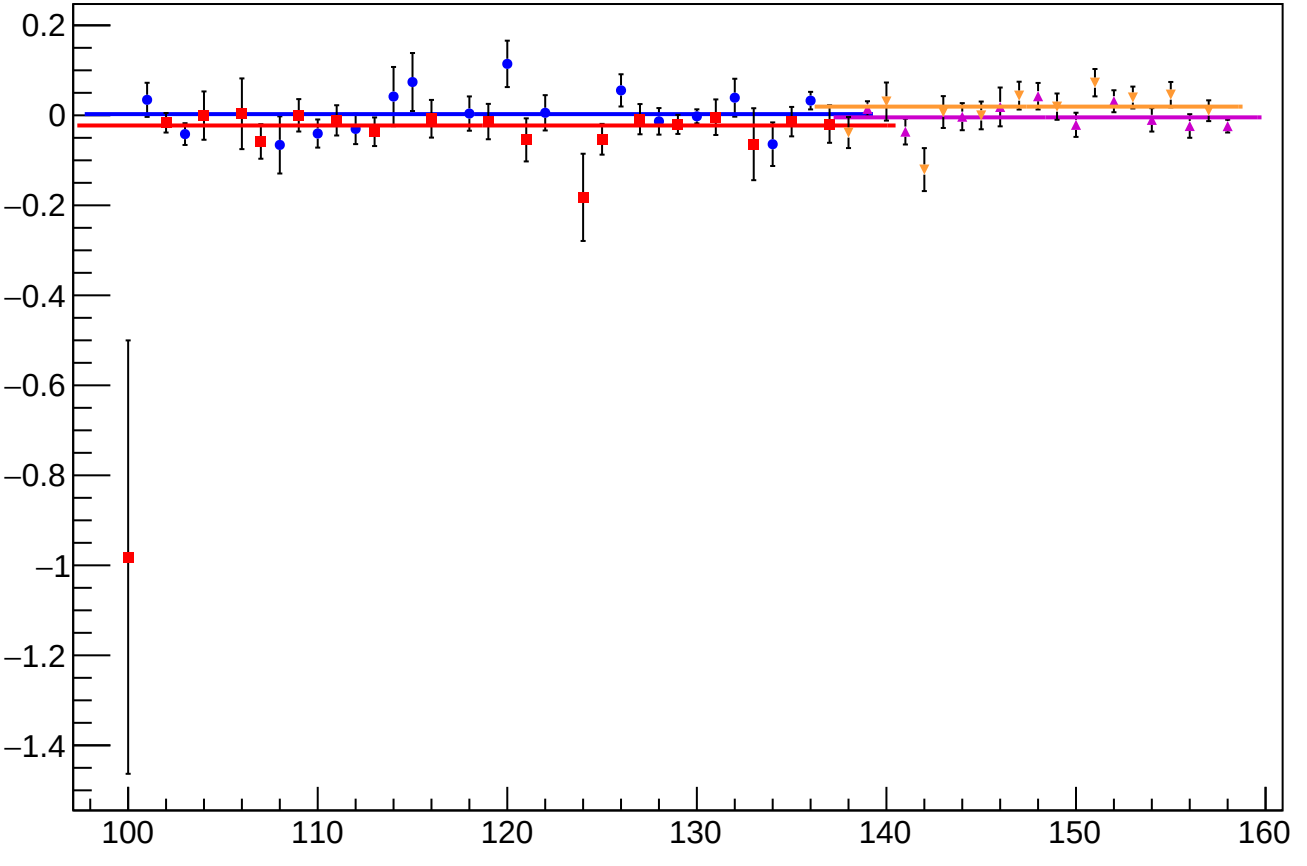
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1487992.1/25

Out: 0.001+/-0.000 χ^2/NDF:7765382.2/29

All: 0.001+/-0.000 χ^2/NDF: 10325851.7/55

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: 0.019+/-0.009 χ^2/NDF:17.4/10

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.007 χ^2/NDF:10.3/9

Left: 0.005+/-0.006 χ^2/NDF: 31.8/20

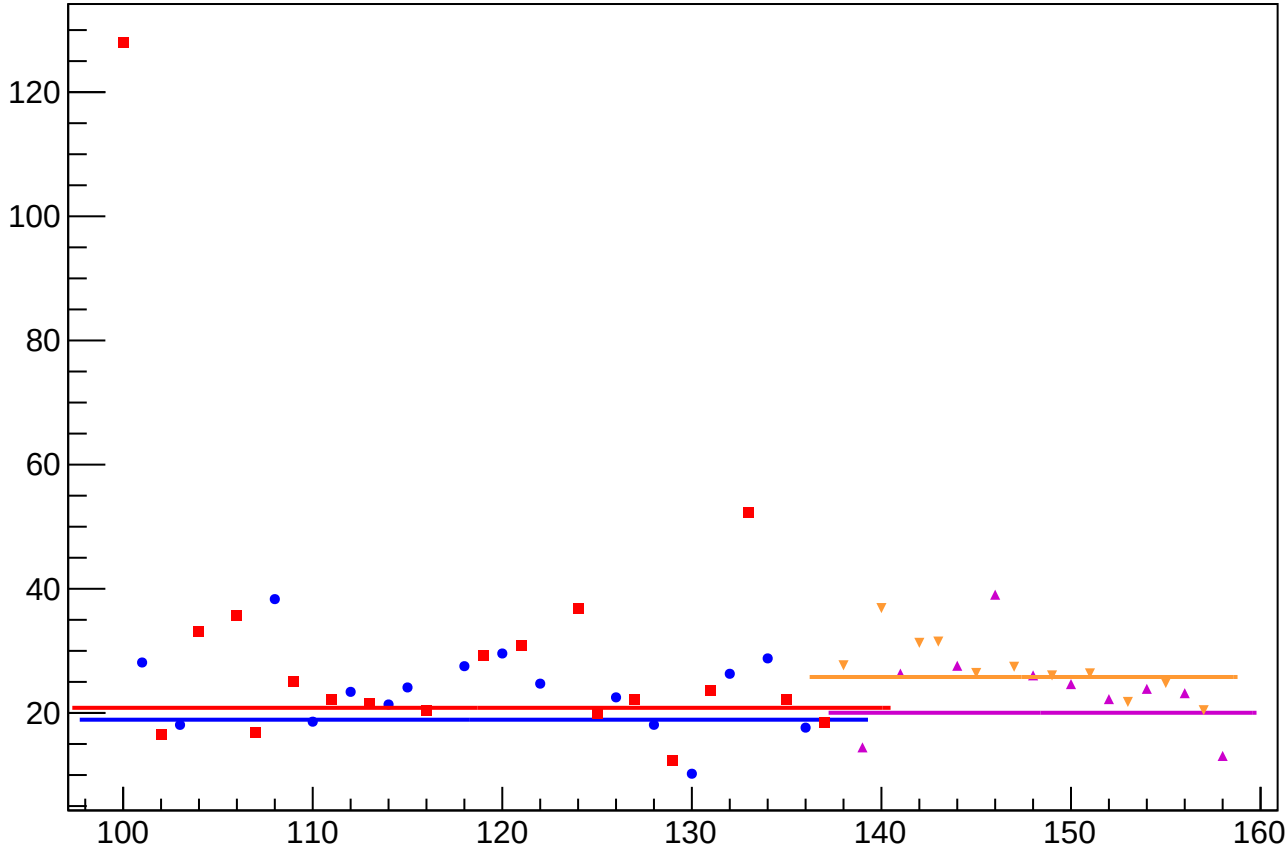
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.001+/-0.005 χ^2/NDF:32.7/25

Out: -0.003+/-0.006 χ^2/NDF:39.4/29

All: -0.002+/-0.004 χ^2/NDF: 72.2/55

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: 25.791+/-0.007 χ^2/NDF:394047.3/10

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.029+/-0.005 χ^2/NDF:1537306.2/9

Left: 22.281+/-0.004 χ^2/NDF: 2409368.5/20

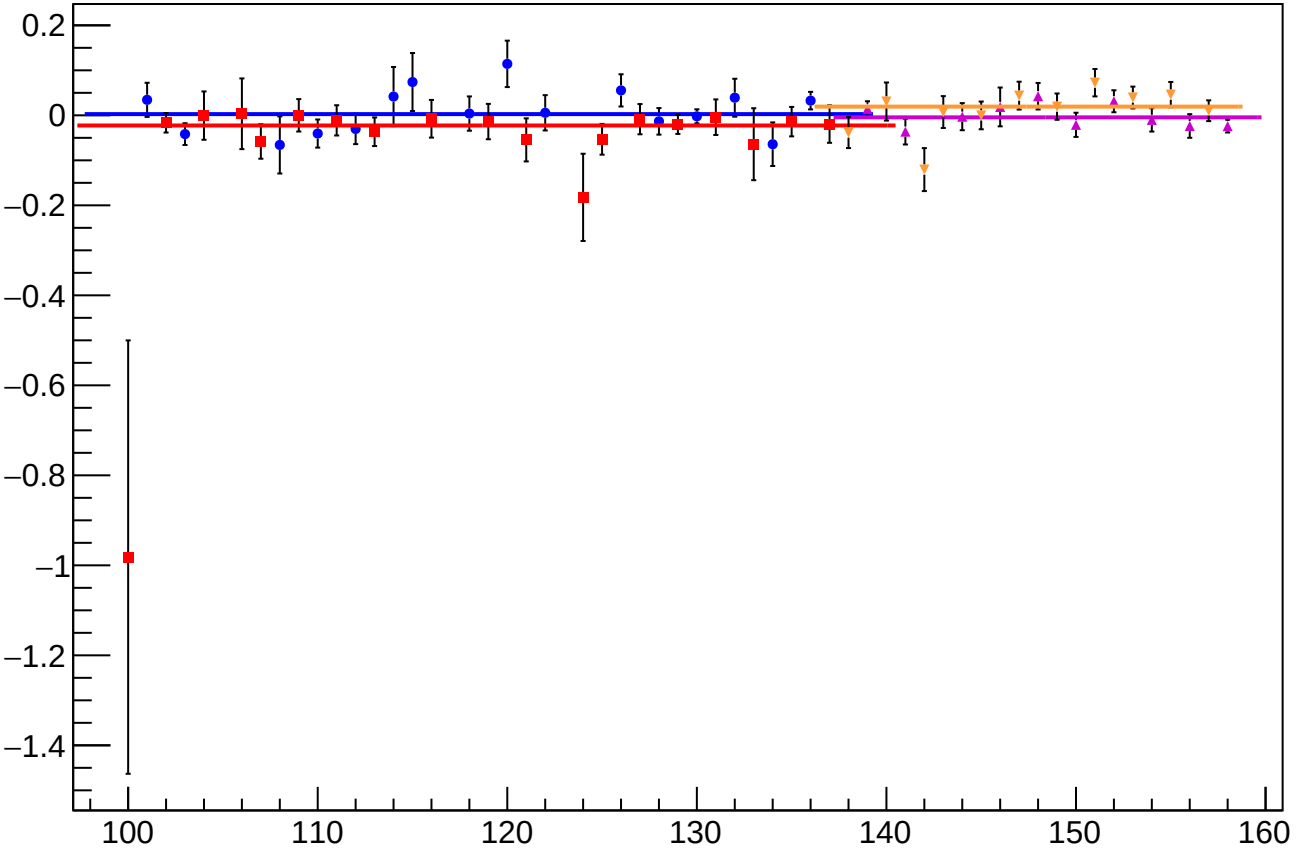
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.502+/-0.004 χ^2/NDF:2949199.6/25

Out: 23.098+/-0.004 χ^2/NDF:2001475.2/29

All: 21.033+/-0.003 χ^2/NDF: 5334232.6/55

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: 0.019+/-0.009 χ^2/NDF:17.4/10

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.007 χ^2/NDF:10.3/9

Left: 0.005+/-0.006 χ^2/NDF: 31.8/20

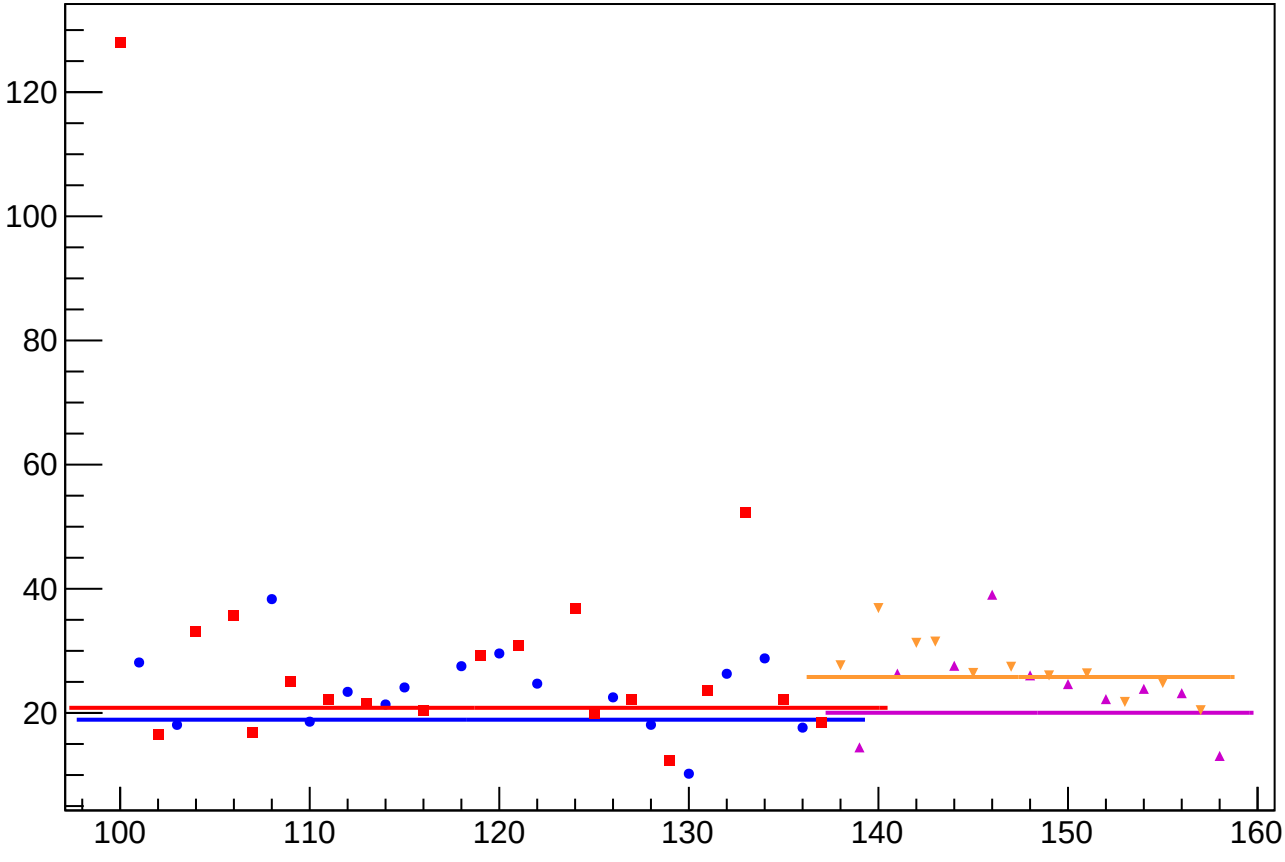
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.001+/-0.005 χ^2/NDF:32.7/25

Out: -0.003+/-0.006 χ^2/NDF:39.4/29

All: -0.002+/-0.004 χ^2/NDF: 72.2/55

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: 25.791+/-0.007 χ^2/NDF:394047.3/10

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.029+/-0.005 χ^2/NDF:1537306.2/9

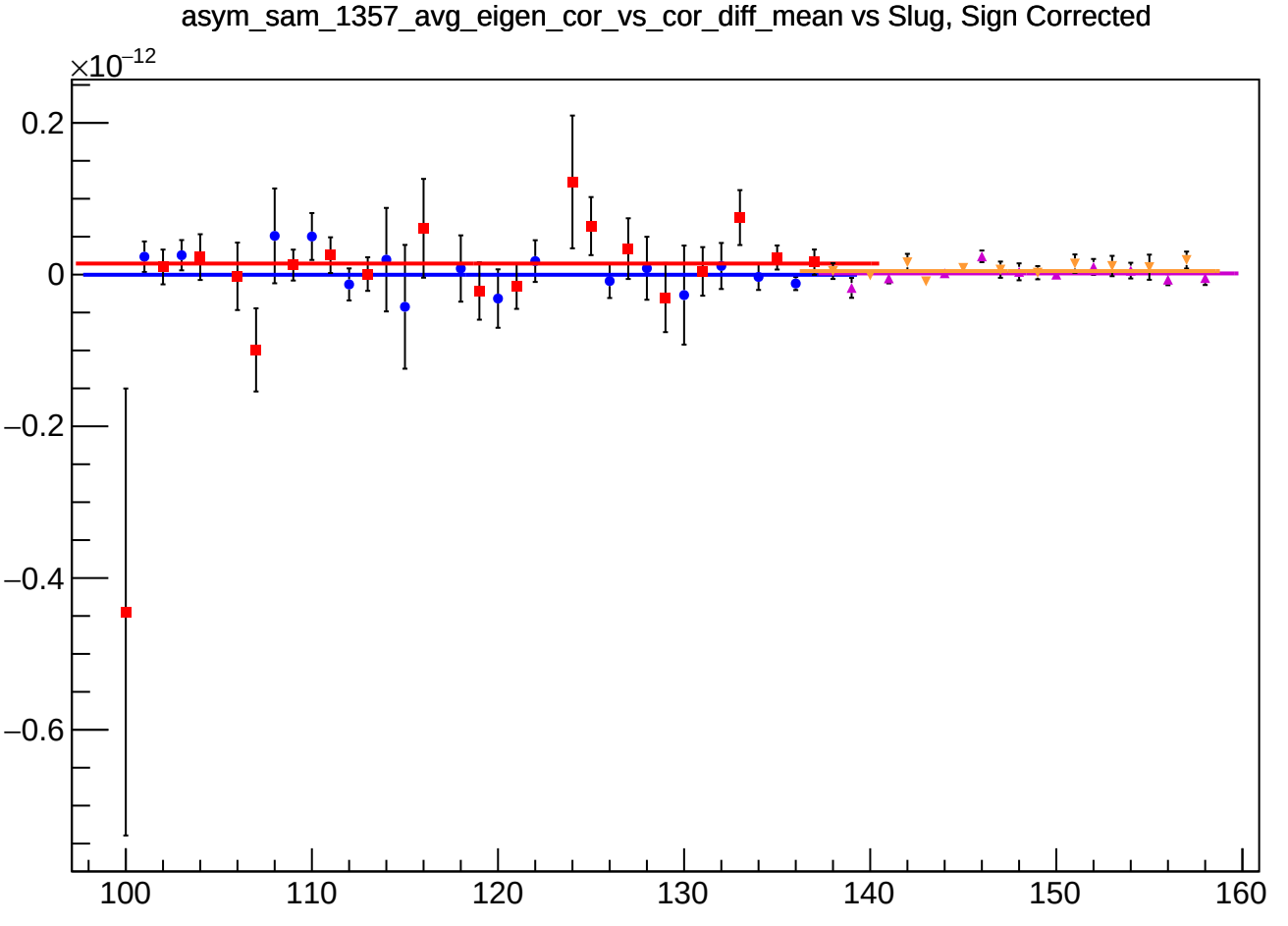
Left: 22.281+/-0.004 χ^2/NDF: 2409368.5/20

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.502+/-0.004 χ^2/NDF:2949199.6/25

Out: 23.098+/-0.004 χ^2/NDF:2001475.2/29

All: 21.033+/-0.003 χ^2/NDF: 5334232.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/9

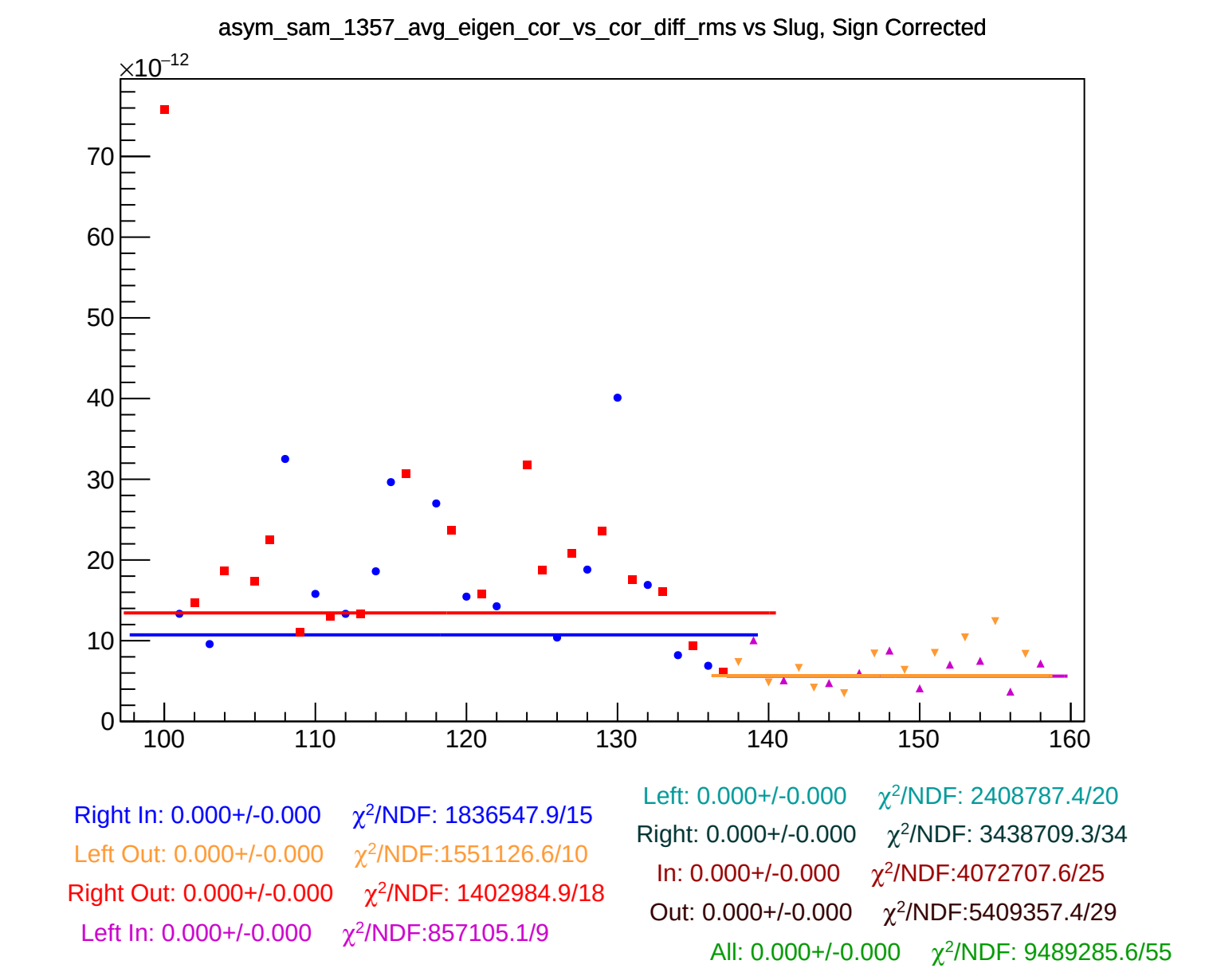
Left: 0.000+/-0.000 χ^2/NDF: 25.0/20

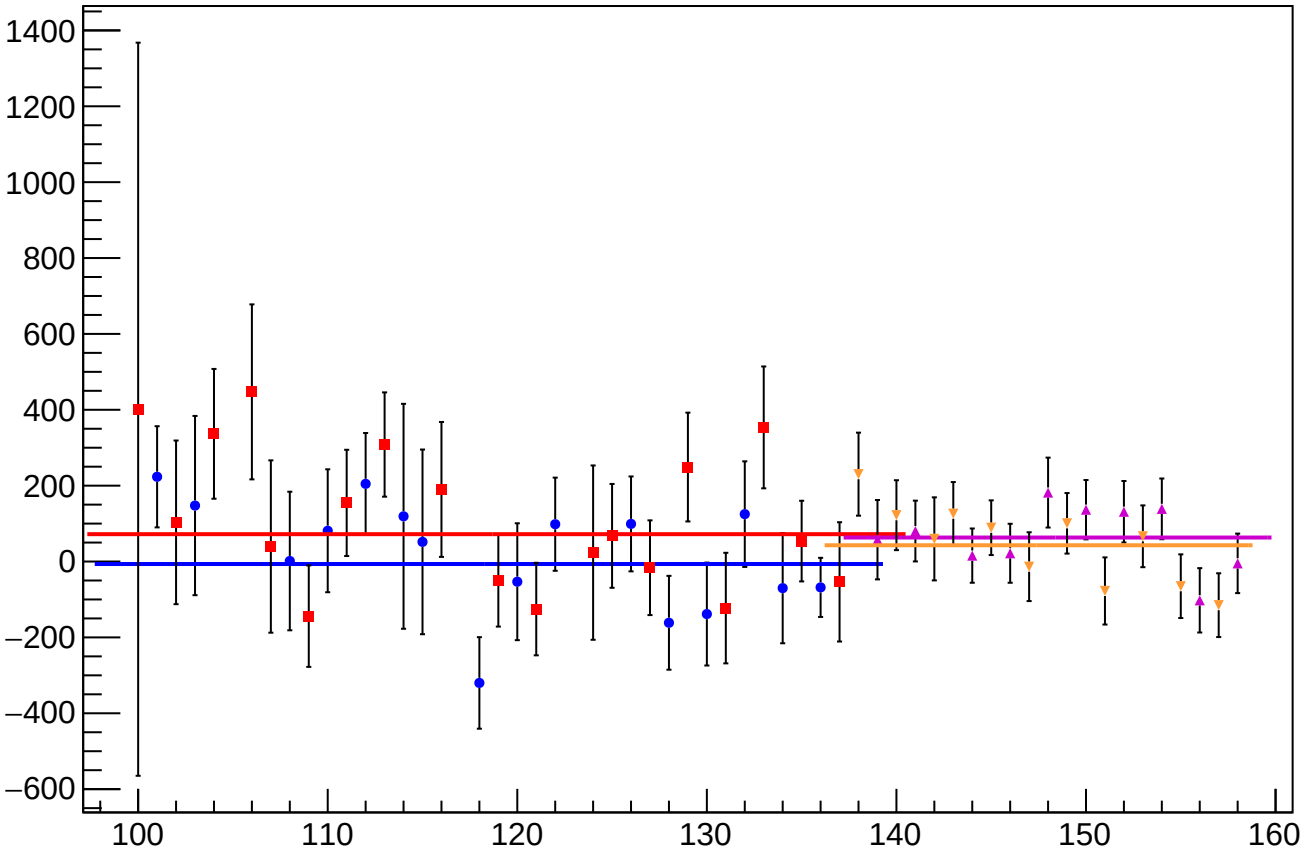
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:24.9/25

Out: 0.000+/-0.000 χ^2/NDF:29.6/29

All: 0.000+/-0.000 χ^2/NDF: 56.5/55


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1551126.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:857105.1/9
Left: 0.000+/-0.000 χ²/NDF: 2408787.4/20
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:4072707.6/25
Out: 0.000+/-0.000 χ²/NDF:5409357.4/29
All: 0.000+/-0.000 χ²/NDF: 9489285.6/55



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 42.892+/-26.158 χ^2/NDF:13.1/10

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 63.259+/-25.824 χ^2/NDF:9.5/9

Left: 53.206+/-18.377 χ^2/NDF: 22.9/20

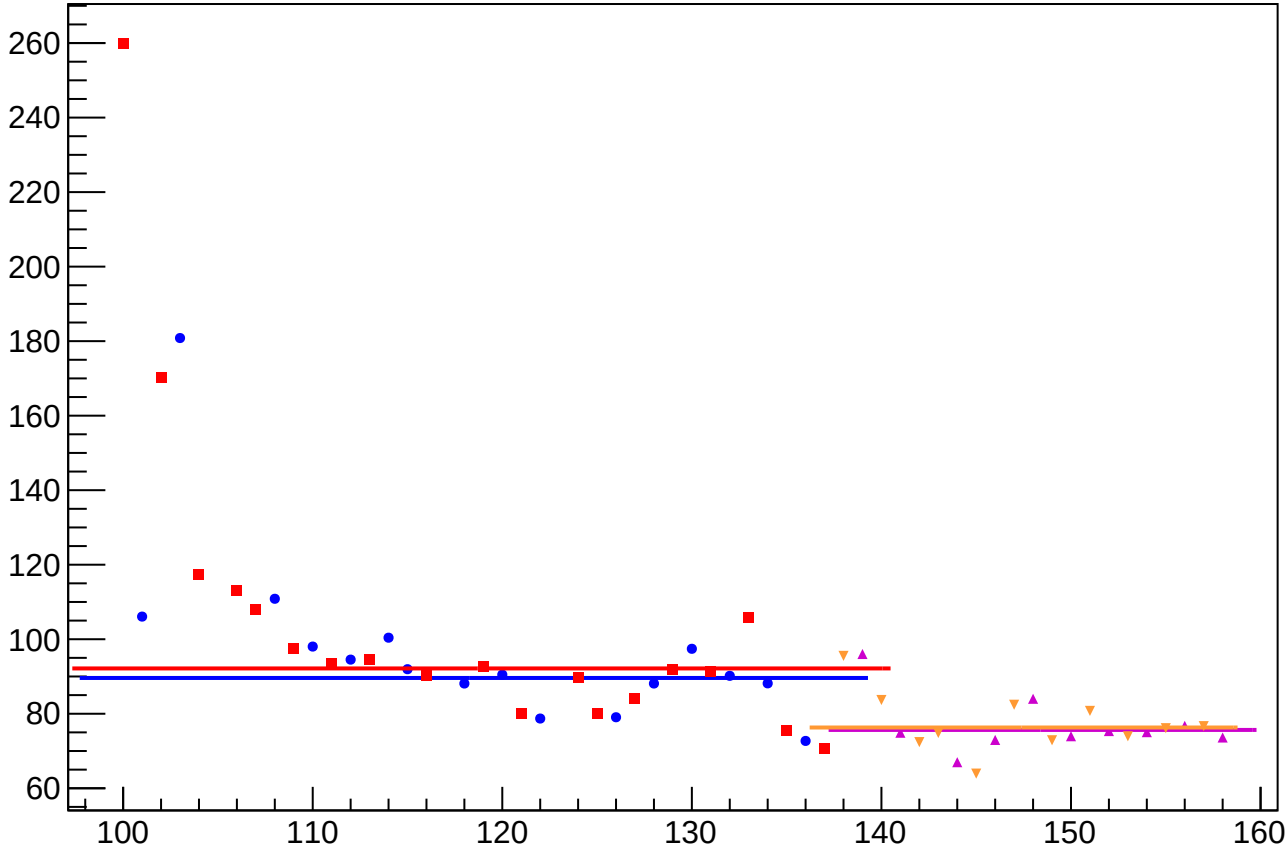
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 37.988+/-20.628 χ^2/NDF:31.0/25

Out: 53.413+/-20.928 χ^2/NDF:36.4/29

All: 45.589+/-14.691 χ^2/NDF: 67.7/55

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.307+/-0.018 χ^2/NDF:156225.0/10

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

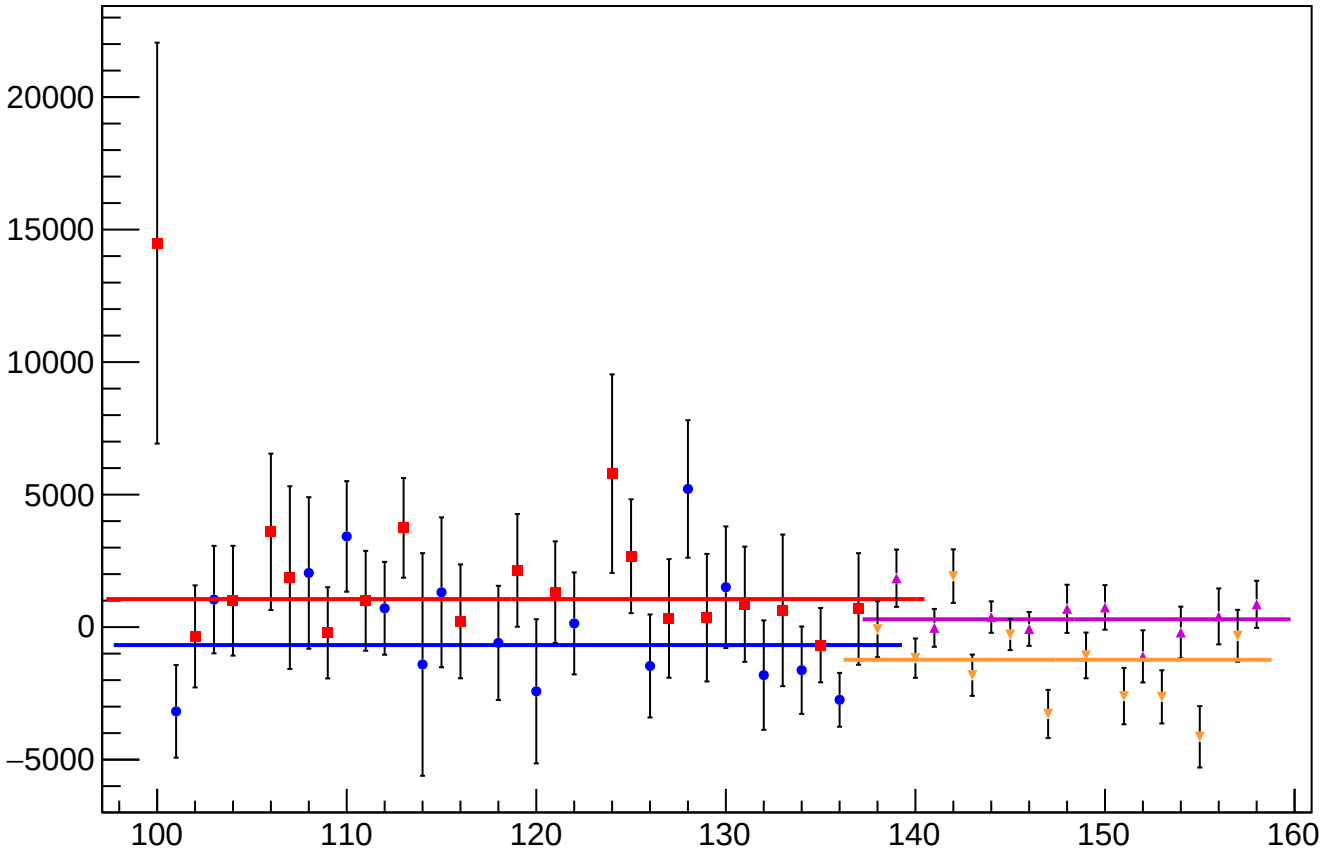
Left: 75.978+/-0.013 χ^2/NDF: 283838.0/20

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.705+/-0.015 χ^2/NDF:836524.4/25

Out: 82.013+/-0.015 χ^2/NDF:962727.2/29

All: 81.350+/-0.010 χ^2/NDF: 1803217.7/55



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1232.529+/-262.504 χ^2/NDF:30.0/10

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 295.406+/-258.385 χ^2/NDF:5.8/9

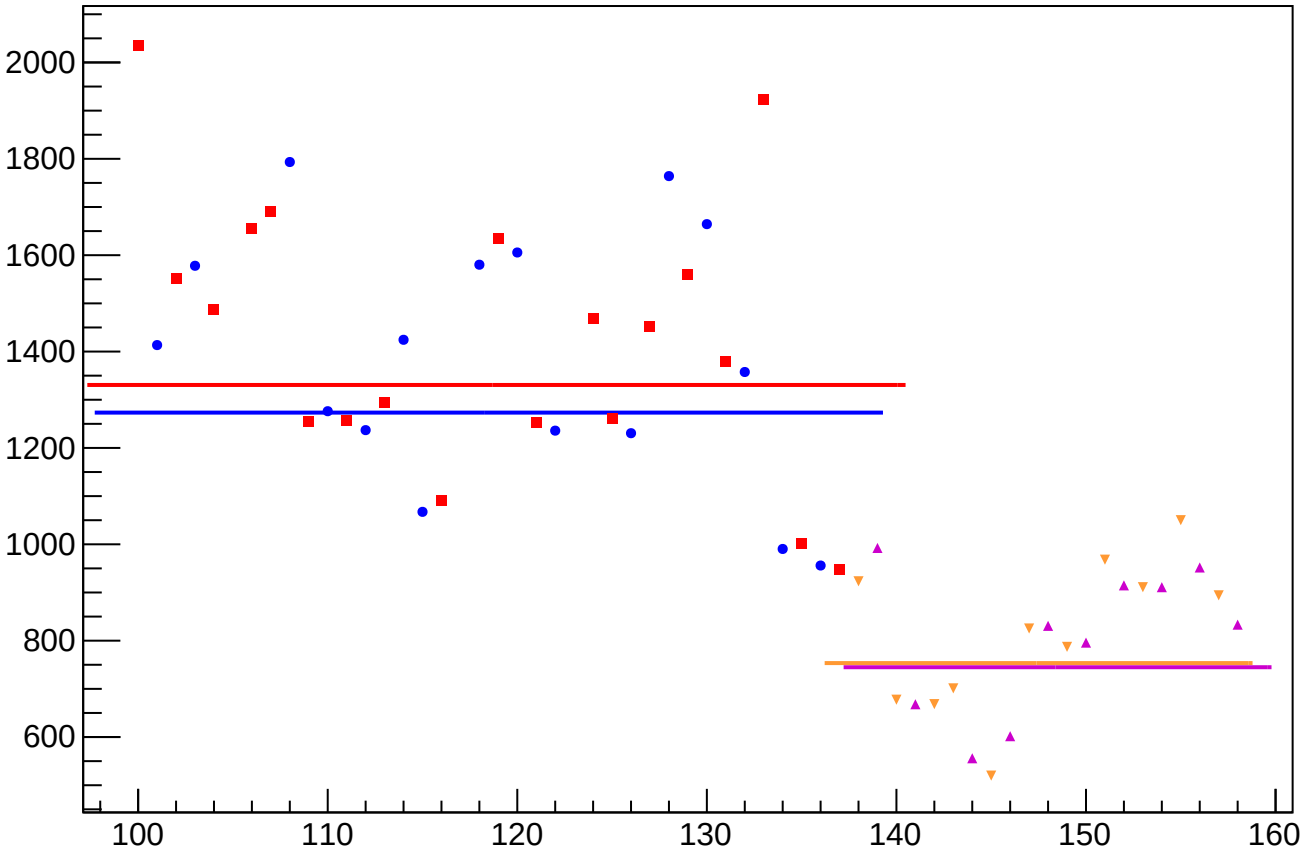
Left: -456.483+/-184.145 χ^2/NDF: 53.0/20

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 81.363+/-228.195 χ^2/NDF:29.2/25

Out: -731.728+/-232.050 χ^2/NDF:58.1/29

All: -318.374+/-162.704 χ^2/NDF: 93.5/55



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 753.498+/-0.186 χ^2/NDF:736256.7/10

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 744.905+/-0.183 χ^2/NDF:670408.5/9

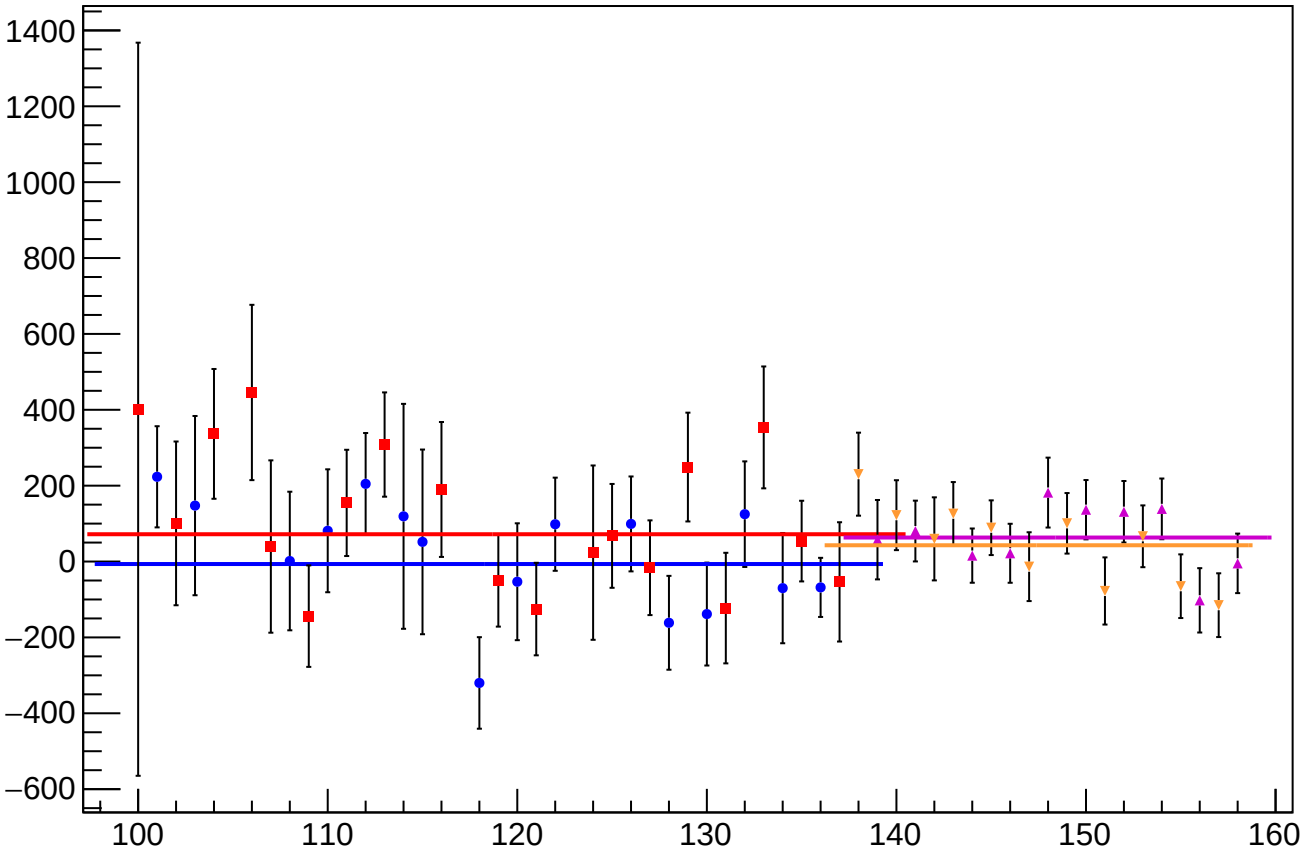
Left: 749.134+/-0.130 χ^2/NDF: 1407753.9/20

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 861.173+/-0.161 χ^2/NDF:3108428.2/25

Out: 879.652+/-0.164 χ^2/NDF:3320328.2/29

All: 870.258+/-0.115 χ^2/NDF: 6435204.2/55



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 42.898+/-26.158 χ^2/NDF:13.1/10

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 63.261+/-25.824 χ^2/NDF:9.5/9

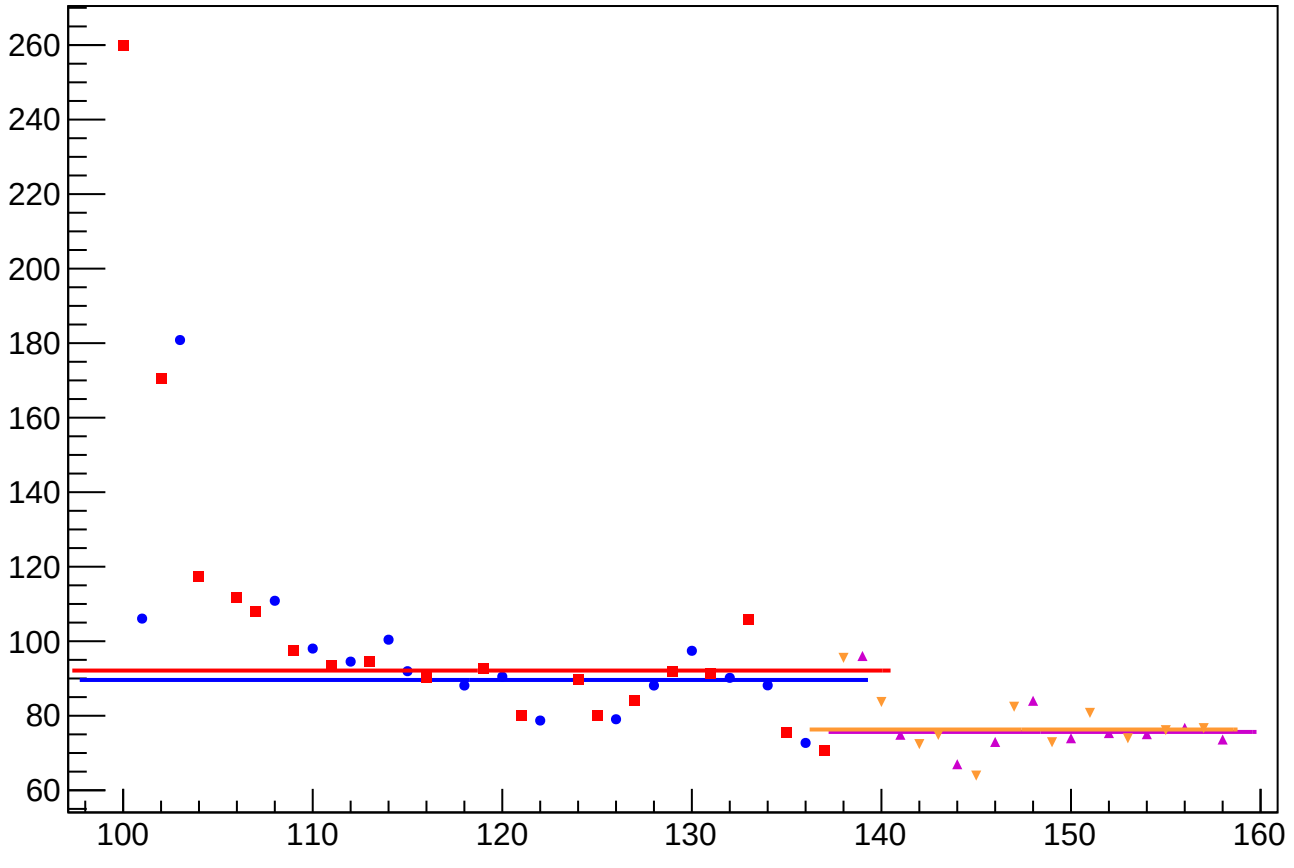
Left: 53.210+/-18.377 χ^2/NDF: 22.9/20

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 37.986+/-20.628 χ^2/NDF:31.0/25

Out: 53.365+/-20.928 χ^2/NDF:36.3/29

All: 45.564+/-14.691 χ^2/NDF: 67.6/55



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.307+/-0.018 χ^2/NDF:156225.0/10

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

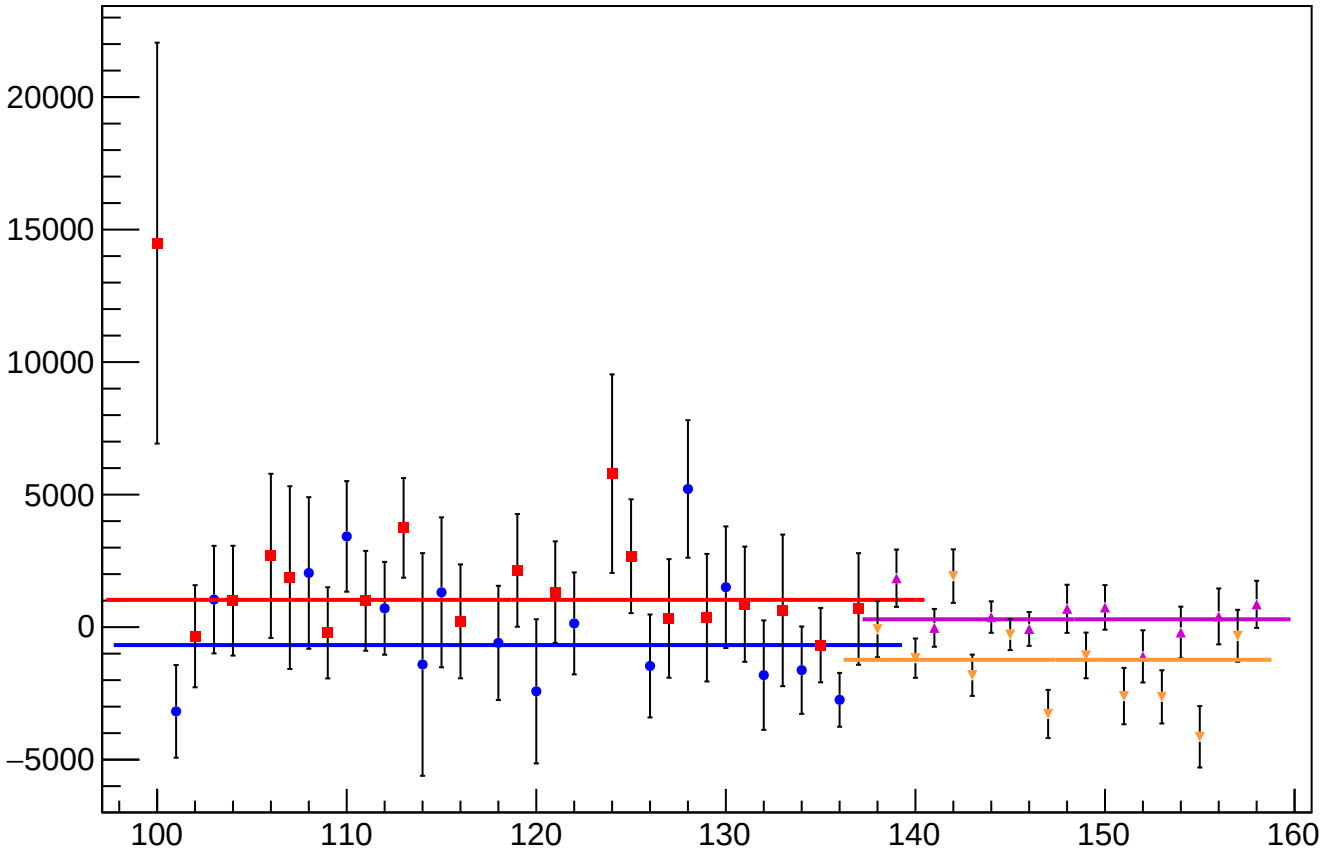
Left: 75.978+/-0.013 χ^2/NDF: 283838.0/20

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.705+/-0.015 χ^2/NDF:836527.9/25

Out: 82.002+/-0.015 χ^2/NDF:959883.3/29

All: 81.344+/-0.010 χ^2/NDF: 1800305.8/55



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1232.522+/-262.503 χ^2/NDF:30.0/10

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 295.411+/-258.385 χ^2/NDF:5.8/9

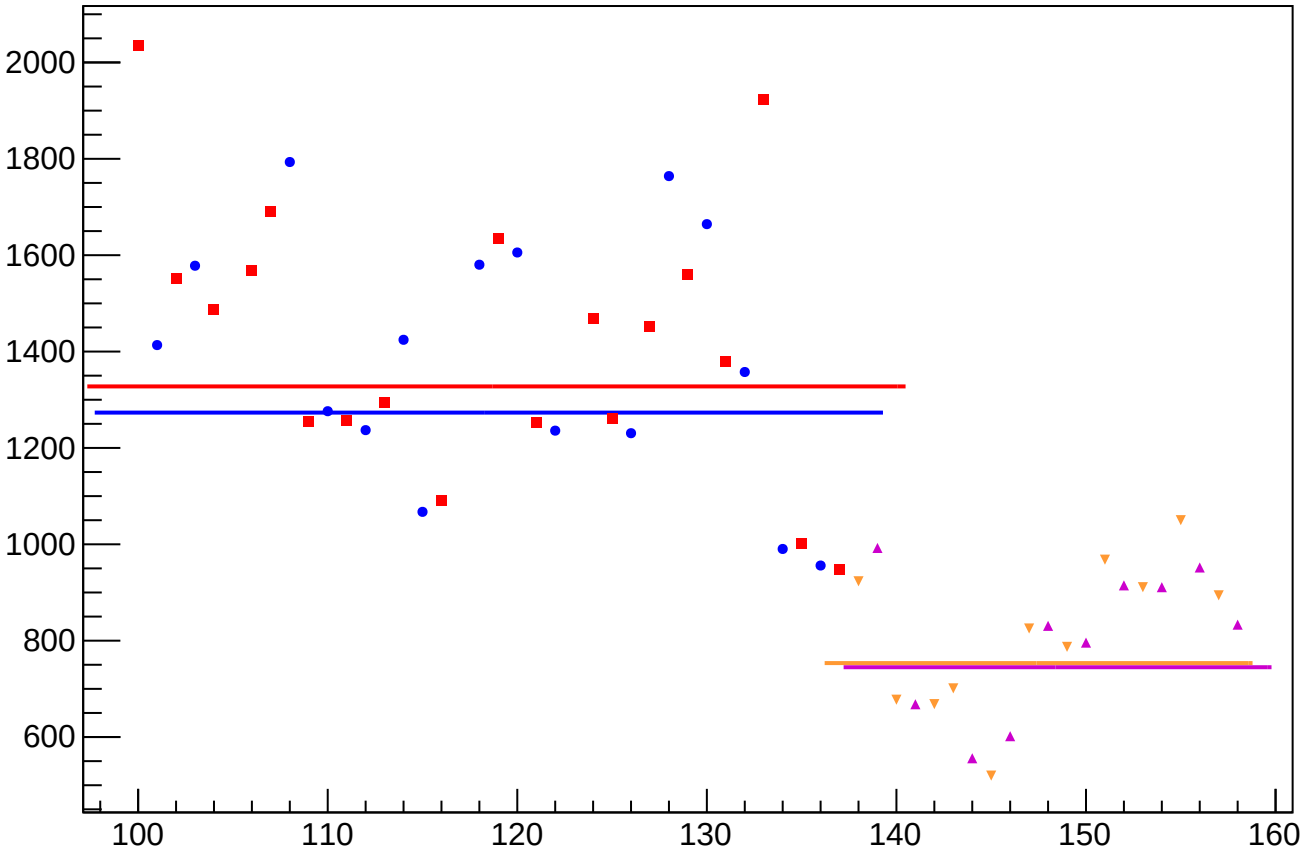
Left: -456.477+/-184.145 χ^2/NDF: 53.0/20

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 81.376+/-228.196 χ^2/NDF:29.2/25

Out: -739.178+/-232.118 χ^2/NDF:57.2/29

All: -321.910+/-162.728 χ^2/NDF: 92.7/55



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 753.498+/-0.186 χ^2/NDF:736259.9/10

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 744.905+/-0.183 χ^2/NDF:670406.3/9

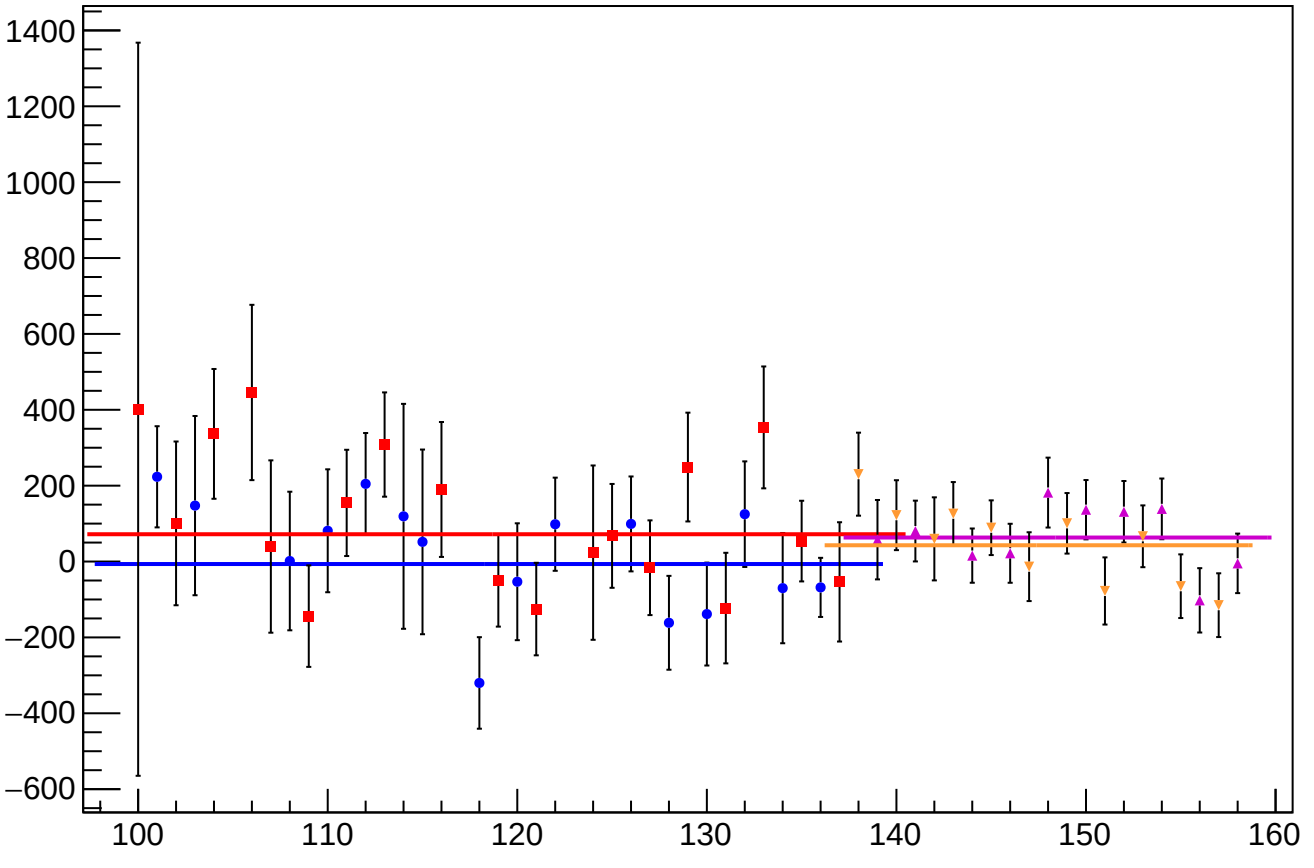
Left: 749.133+/-0.130 χ^2/NDF: 1407754.7/20

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 861.173+/-0.161 χ^2/NDF:3108463.4/25

Out: 878.728+/-0.164 χ^2/NDF:3281647.0/29

All: 869.801+/-0.115 χ^2/NDF: 6395927.2/55



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 42.898+/-26.158 χ^2/NDF:13.1/10

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 63.261+/-25.824 χ^2/NDF:9.5/9

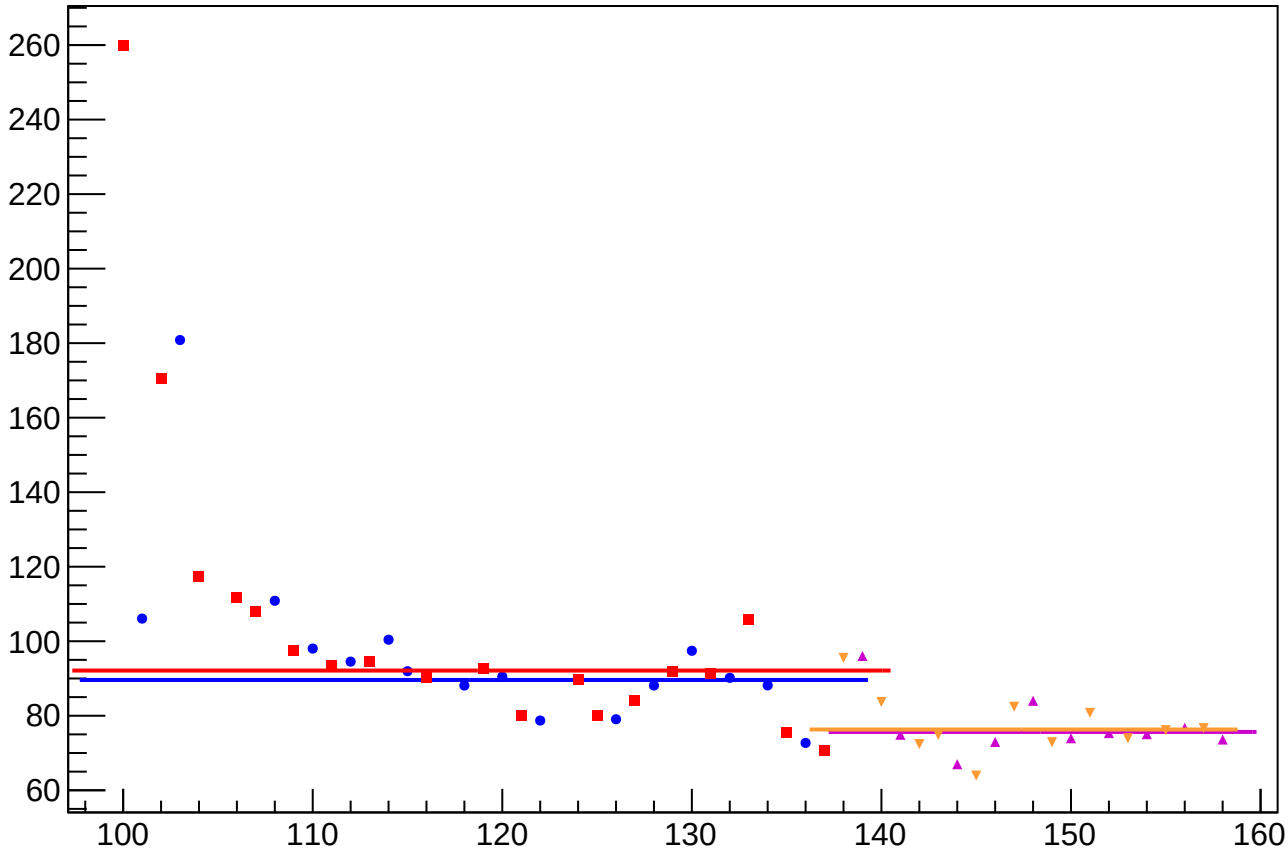
Left: 53.210+/-18.377 χ^2/NDF: 22.9/20

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 37.986+/-20.628 χ^2/NDF:31.0/25

Out: 53.365+/-20.928 χ^2/NDF:36.3/29

All: 45.564+/-14.691 χ^2/NDF: 67.6/55



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.307+/-0.018 χ^2/NDF:156225.0/10

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

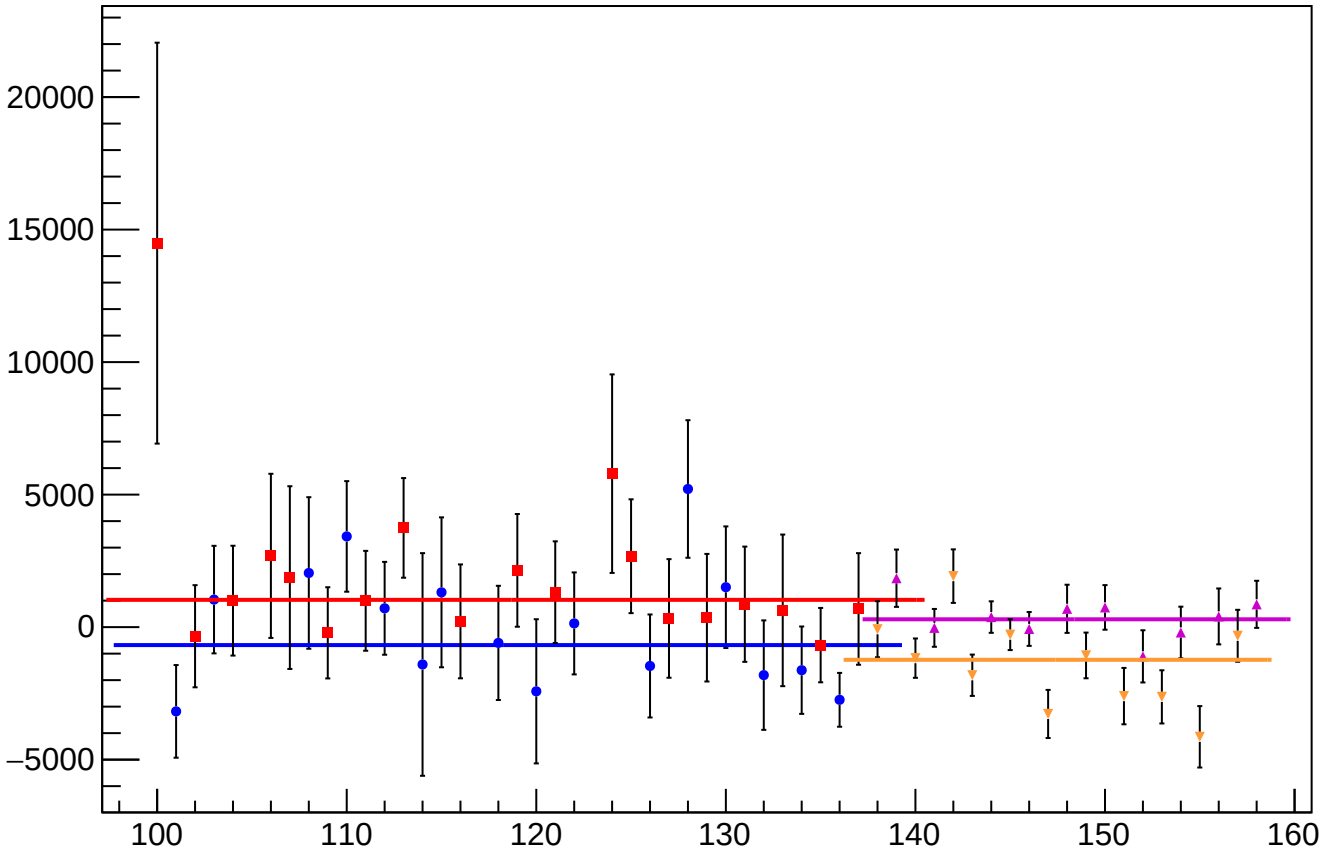
Left: 75.978+/-0.013 χ^2/NDF: 283838.0/20

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.705+/-0.015 χ^2/NDF:836527.9/25

Out: 82.002+/-0.015 χ^2/NDF:959883.3/29

All: 81.344+/-0.010 χ^2/NDF: 1800305.8/55



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1232.522+/-262.503 χ^2/NDF:30.0/10

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 295.411+/-258.385 χ^2/NDF:5.8/9

Left: -456.477+/-184.145 χ^2/NDF: 53.0/20

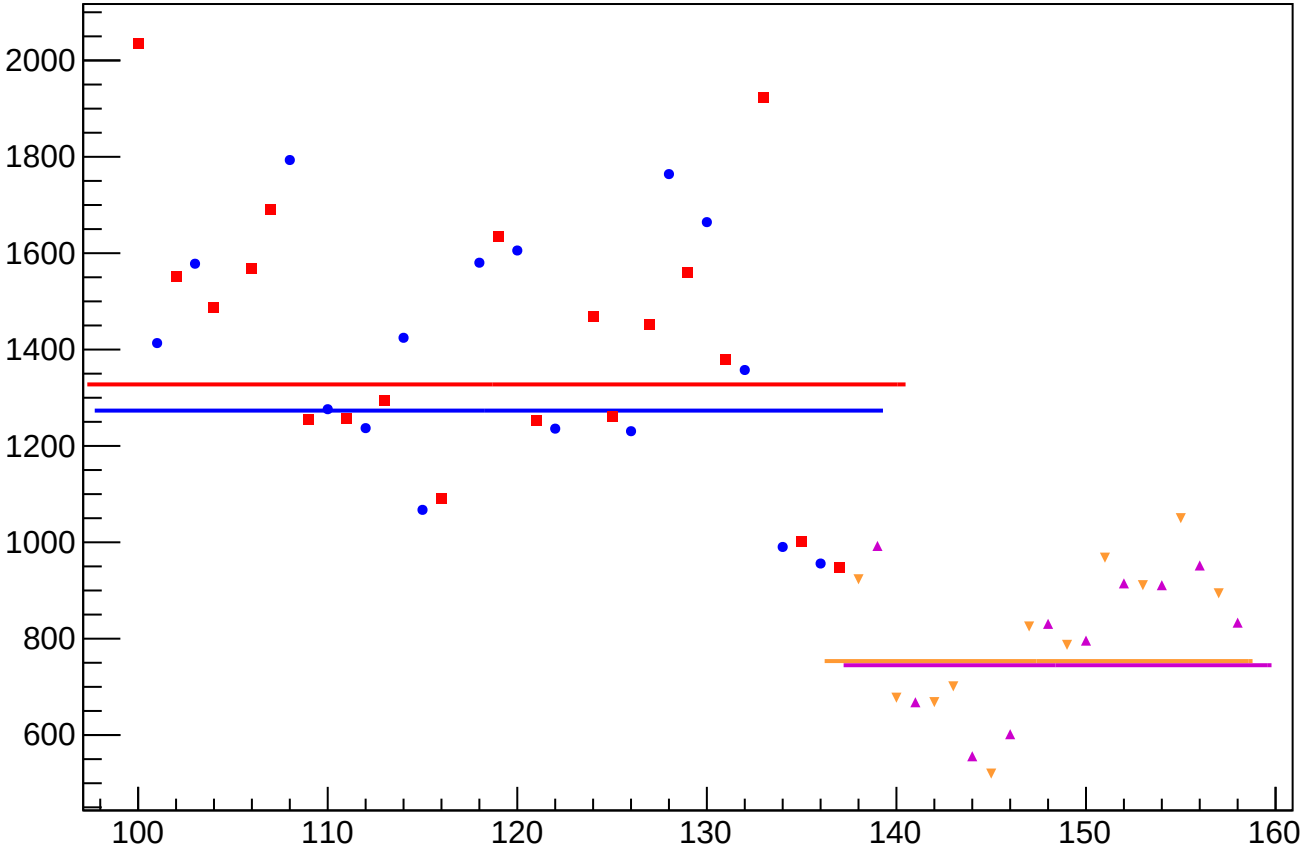
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 81.376+/-228.196 χ^2/NDF:29.2/25

Out: -739.178+/-232.118 χ^2/NDF:57.2/29

All: -321.910+/-162.728 χ^2/NDF: 92.7/55

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 753.498+/-0.186 χ^2/NDF:736259.9/10

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 744.905+/-0.183 χ^2/NDF:670406.3/9

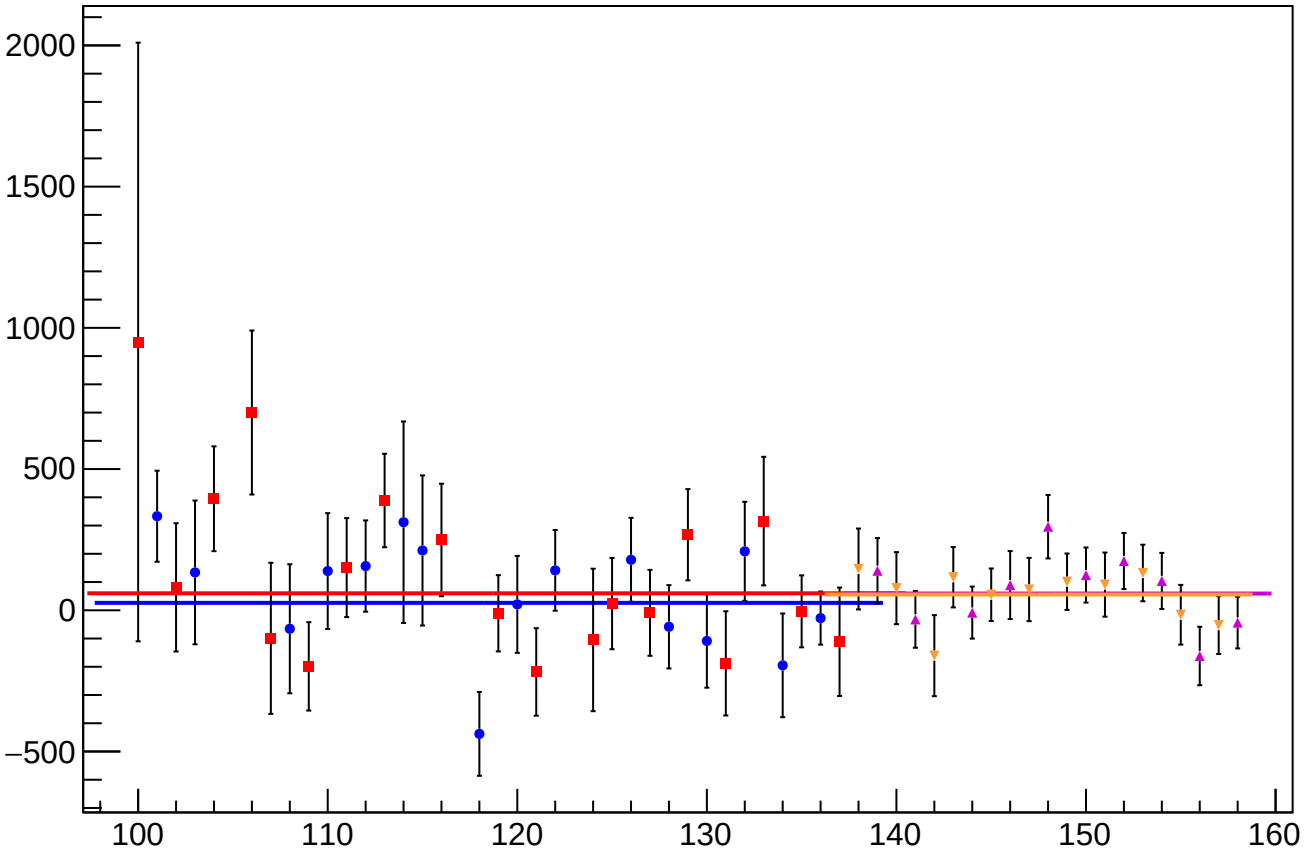
Left: 749.133+/-0.130 χ^2/NDF: 1407754.7/20

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 861.173+/-0.161 χ^2/NDF:3108463.4/25

Out: 878.728+/-0.164 χ^2/NDF:3281647.0/29

All: 869.801+/-0.115 χ^2/NDF: 6395927.2/55



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 55.865+/-33.256 χ^2/NDF:5.5/10

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 59.245+/-32.262 χ^2/NDF:14.2/9

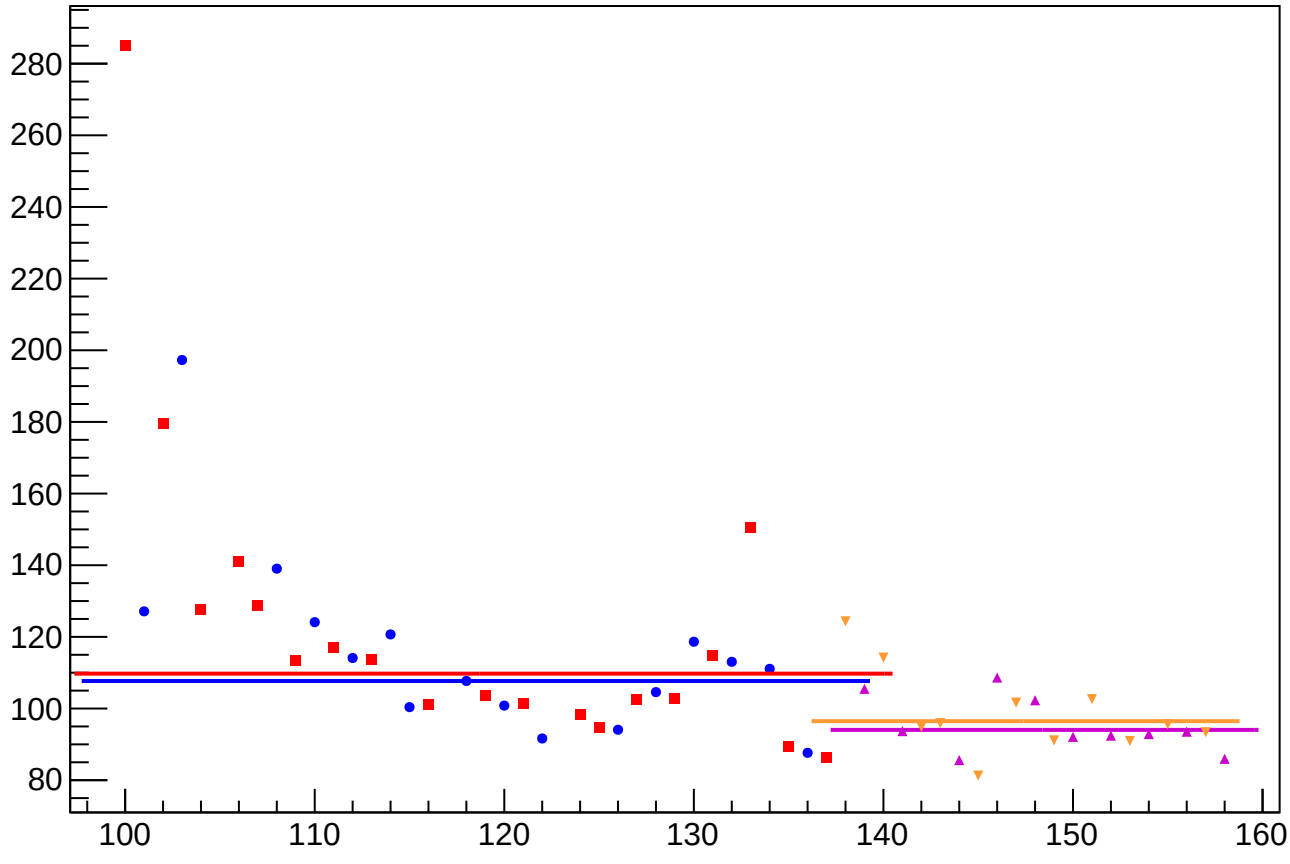
Left: 57.606+/-23.156 χ^2/NDF: 19.7/20

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 46.711+/-25.406 χ^2/NDF:35.9/25

Out: 57.527+/-25.958 χ^2/NDF:32.5/29

All: 52.003+/-18.157 χ^2/NDF: 68.6/55



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.474+/-0.024 χ^2/NDF:191919.0/10

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.039+/-0.023 χ^2/NDF:93812.7/9

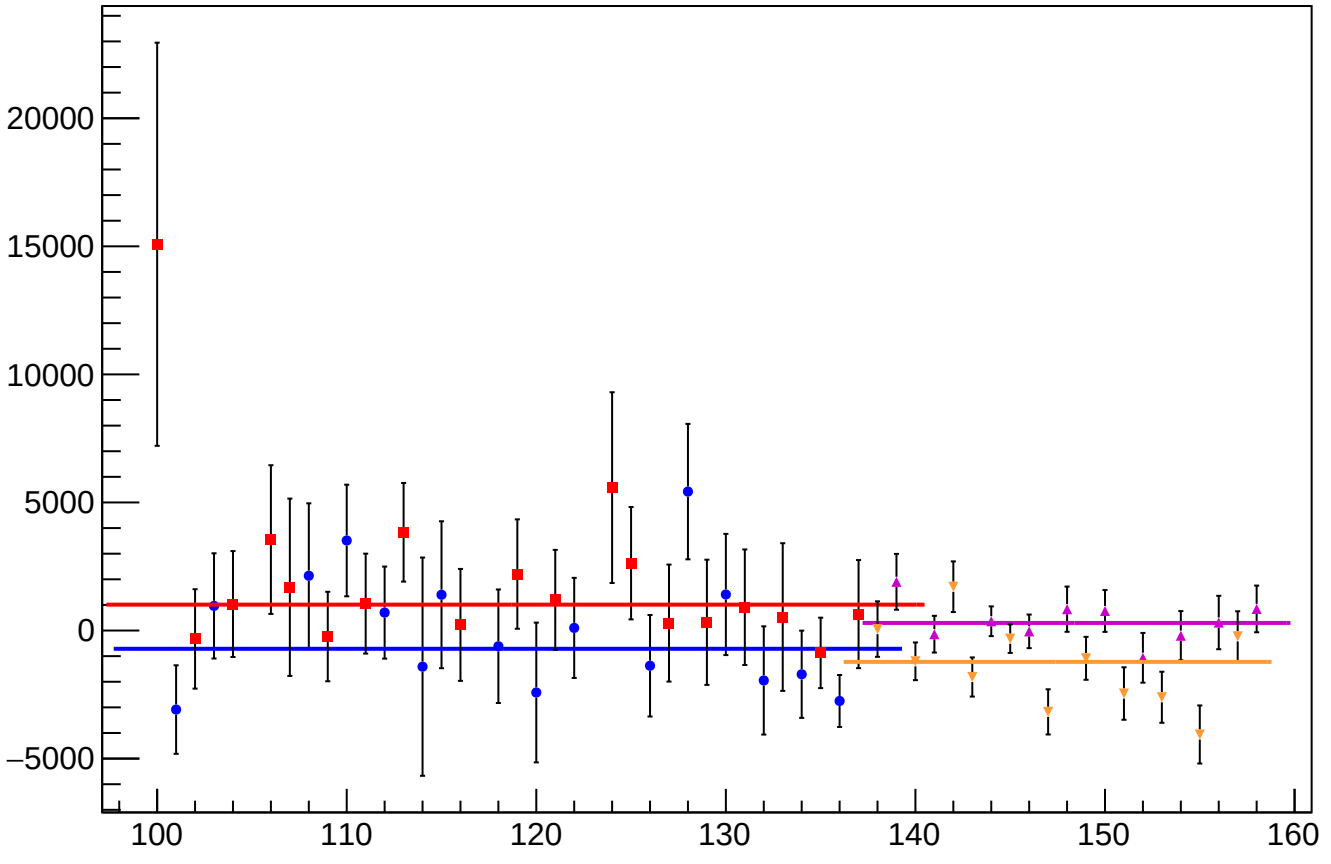
Left: 95.220+/-0.016 χ^2/NDF: 291252.8/20

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 99.221+/-0.018 χ^2/NDF:712751.1/25

Out: 101.657+/-0.018 χ^2/NDF:808046.3/29

All: 100.413+/-0.013 χ^2/NDF: 1529791.3/55



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1223.878+/-256.894 χ^2/NDF:29.0/10

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 297.090+/-257.134 χ^2/NDF:6.1/9

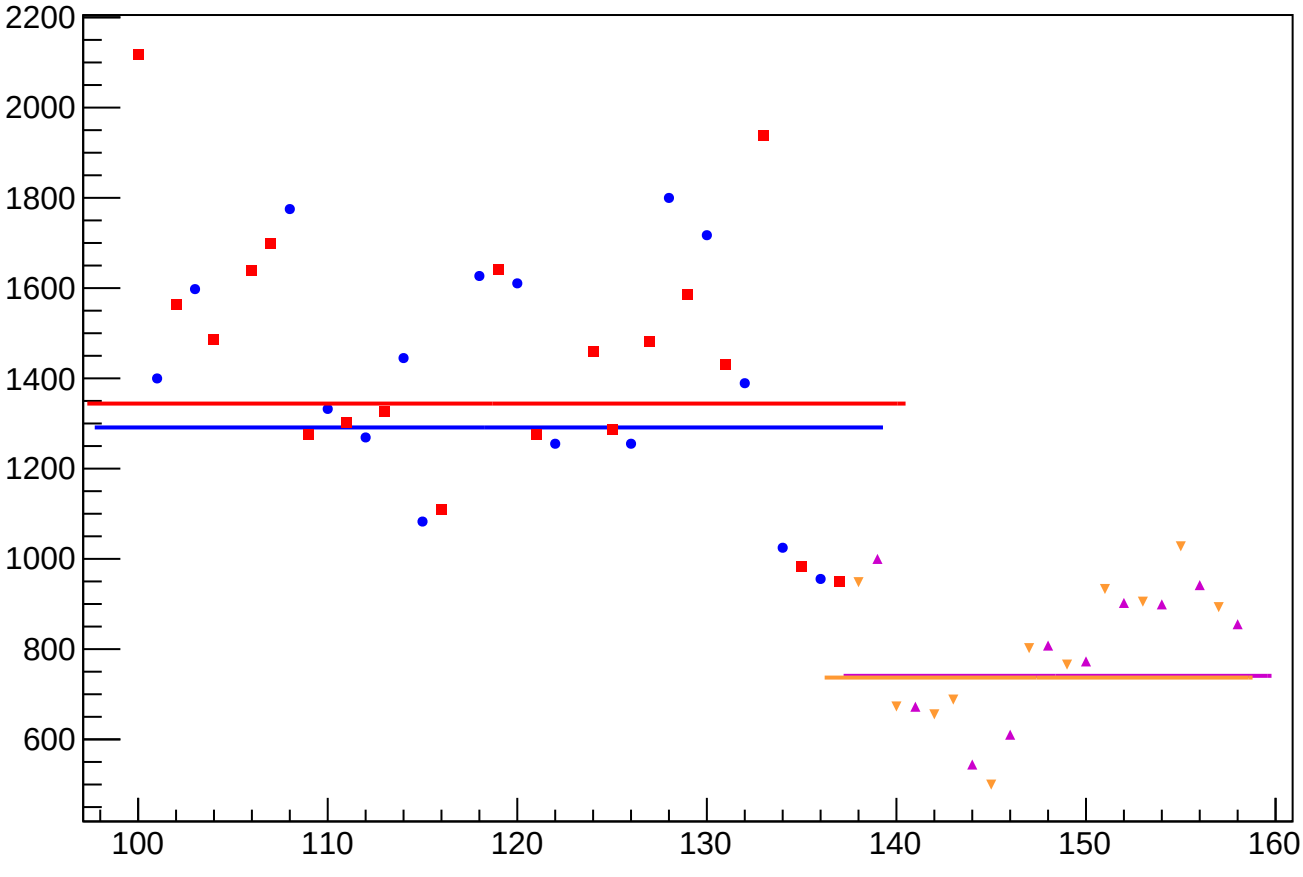
Left: -464.103+/-181.736 χ^2/NDF: 52.6/20

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 81.272+/-228.012 χ^2/NDF:29.5/25

Out: -759.245+/-228.630 χ^2/NDF:56.5/29

All: -337.849+/-161.447 χ^2/NDF: 92.8/55



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 736.961+/-0.182 χ^2/NDF:802236.4/10

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 740.820+/-0.182 χ^2/NDF:669346.8/9

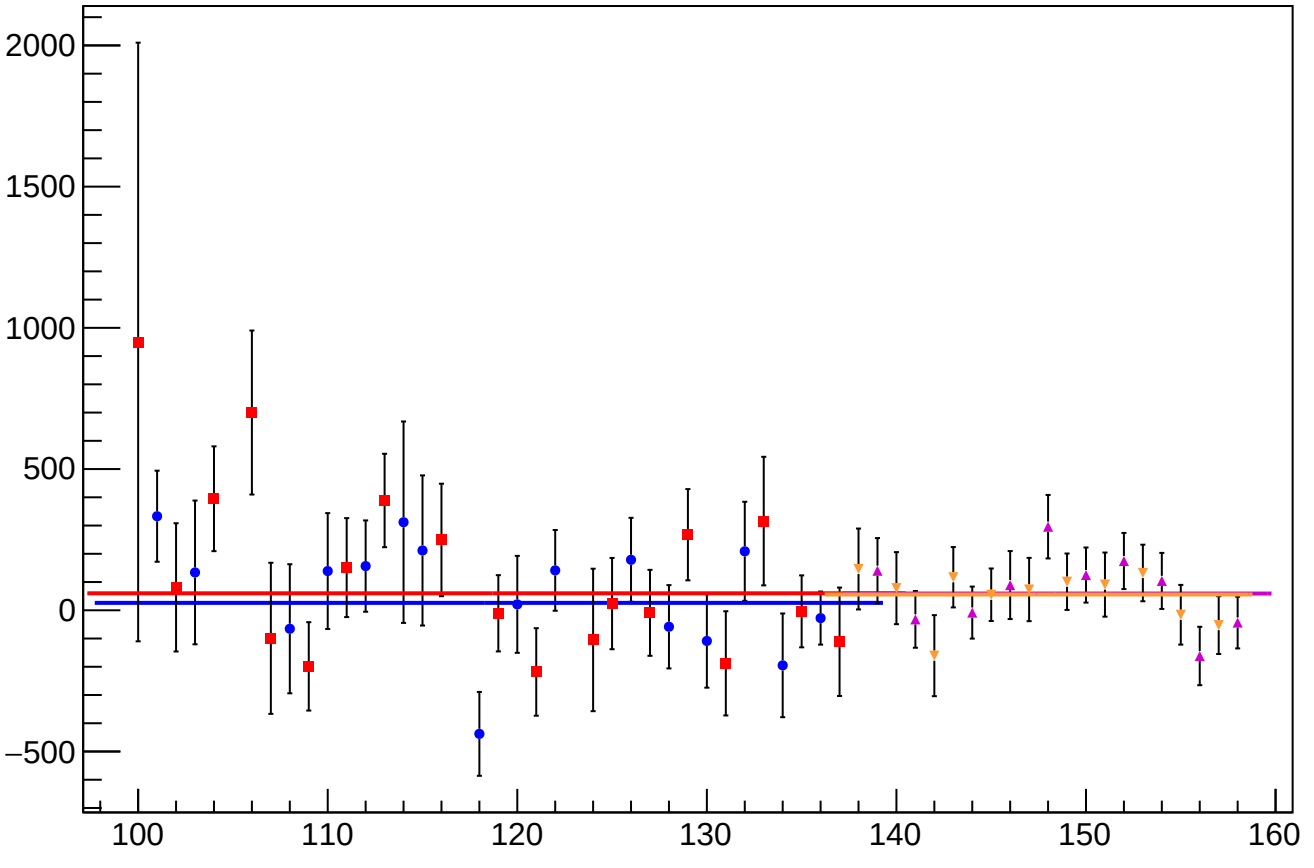
Left: 738.888+/-0.129 χ^2/NDF: 1471808.7/20

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 858.433+/-0.161 χ^2/NDF:3238406.3/25

Out: 863.214+/-0.162 χ^2/NDF:3616289.9/29

All: 860.817+/-0.114 χ^2/NDF: 6855134.7/55



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 55.866+/-33.256 χ^2/NDF:5.5/10

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 59.244+/-32.262 χ^2/NDF:14.2/9

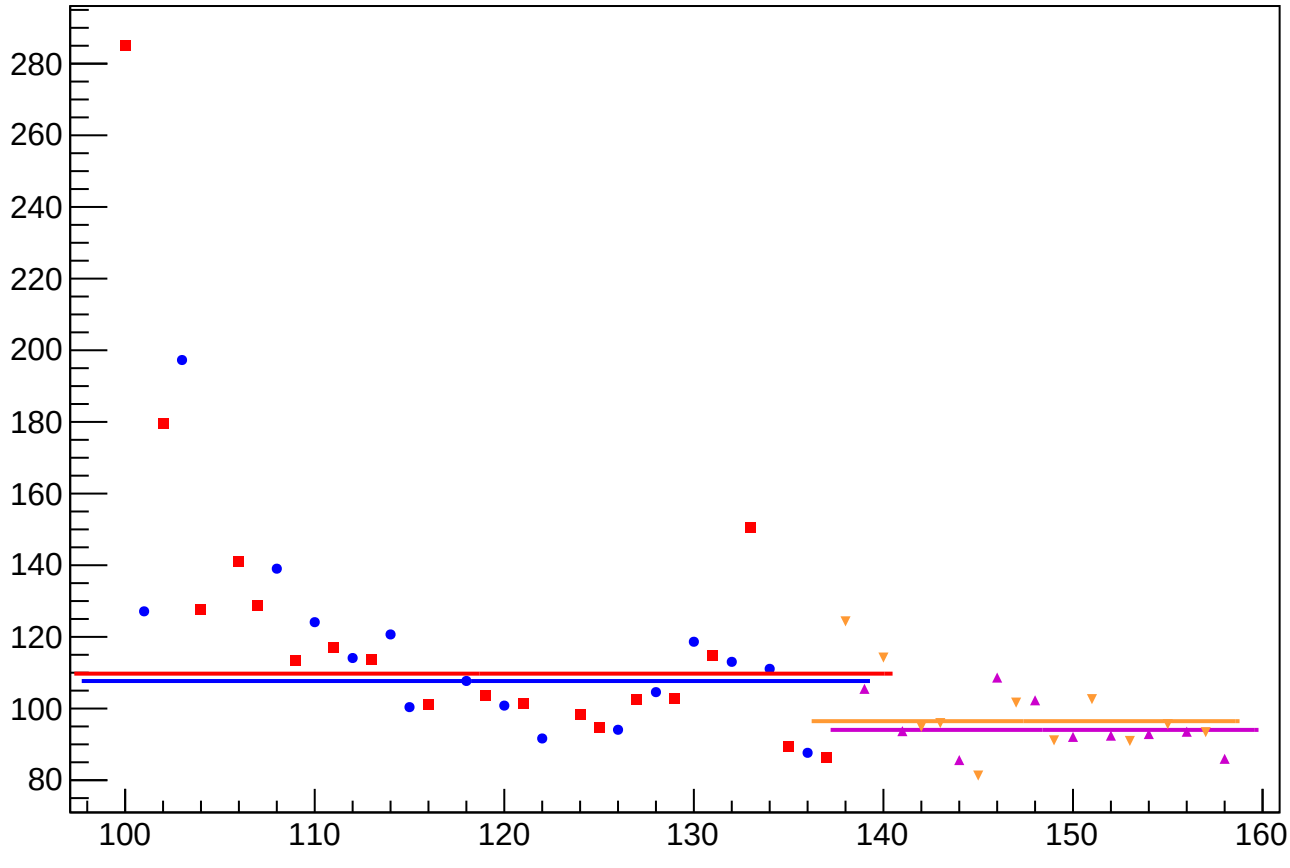
Left: 57.606+/-23.156 χ^2/NDF: 19.7/20

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 46.711+/-25.406 χ^2/NDF:35.9/25

Out: 57.527+/-25.958 χ^2/NDF:32.5/29

All: 52.002+/-18.157 χ^2/NDF: 68.6/55



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 96.474+/-0.024 χ^2/NDF:191906.4/10

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.040+/-0.023 χ^2/NDF:93813.3/9

Left: 95.220+/-0.016 χ^2/NDF: 291241.6/20

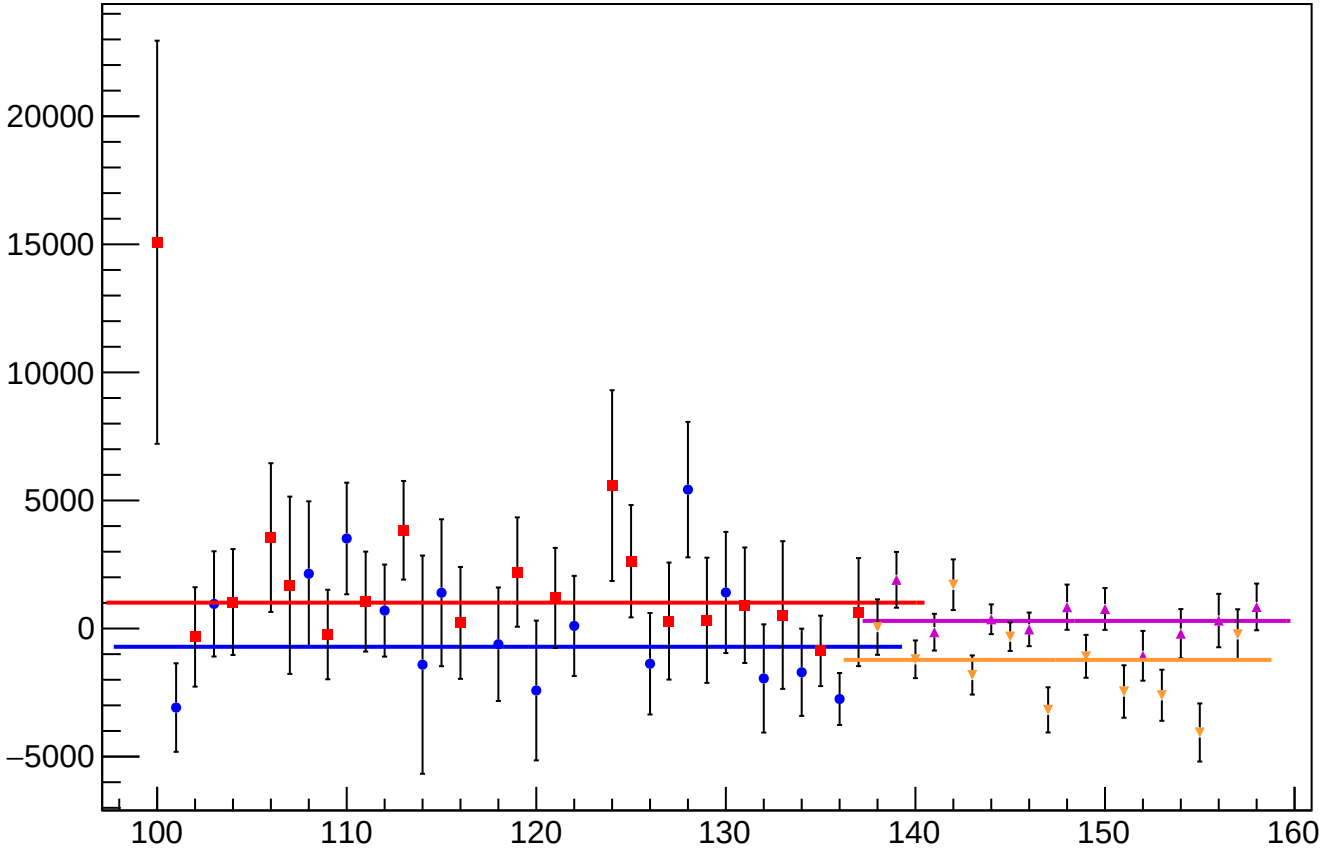
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 99.221+/-0.018 χ^2/NDF:712717.8/25

Out: 101.657+/-0.018 χ^2/NDF:808009.6/29

All: 100.413+/-0.013 χ^2/NDF: 1529722.6/55

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1223.878+/-256.894 χ^2/NDF:29.0/10

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 297.089+/-257.134 χ^2/NDF:6.1/9

Left: -464.103+/-181.736 χ^2/NDF: 52.6/20

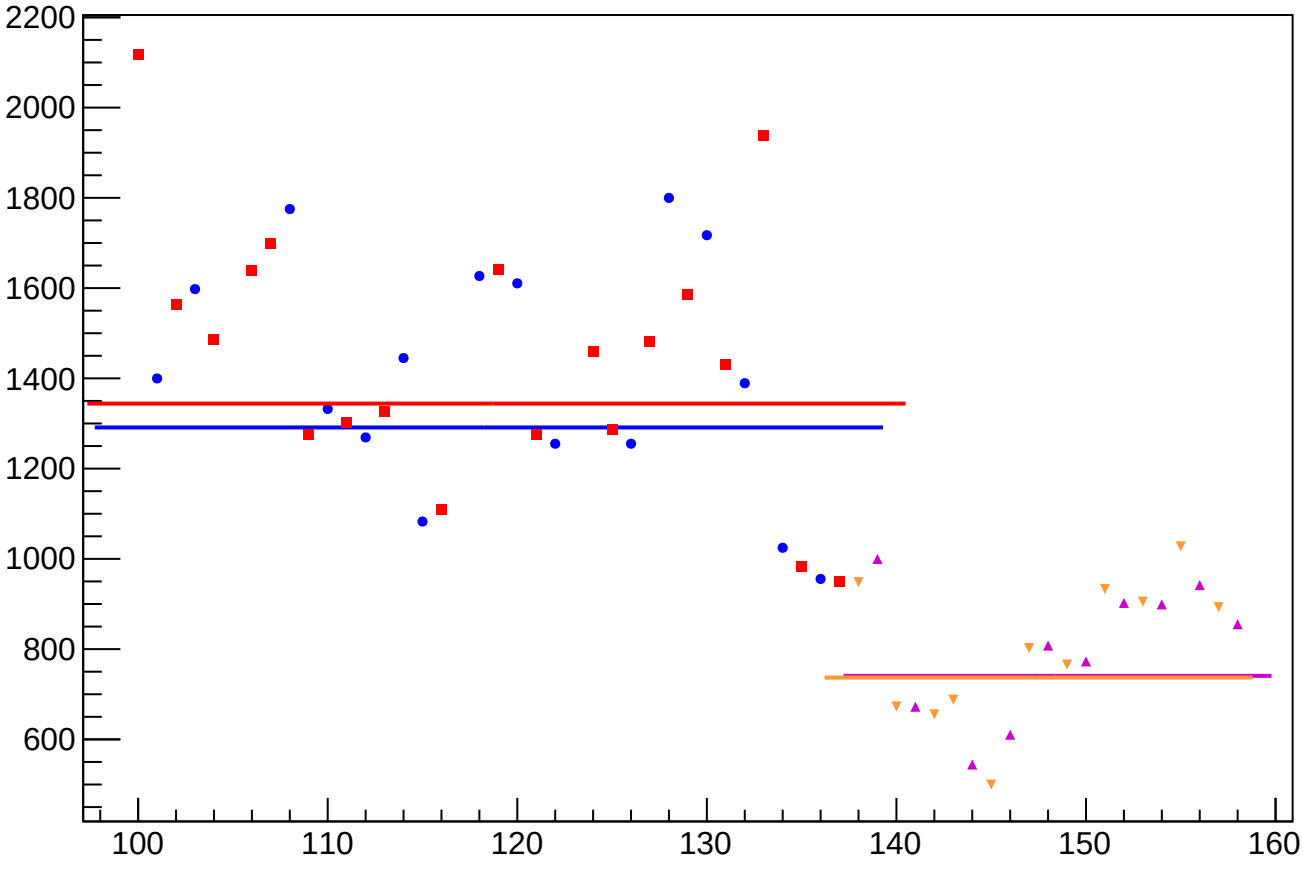
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 81.272+/-228.012 χ^2/NDF:29.5/25

Out: -759.244+/-228.629 χ^2/NDF:56.5/29

All: -337.848+/-161.447 χ^2/NDF: 92.8/55

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 736.959+/-0.182 χ^2/NDF:802244.7/10

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 740.819+/-0.182 χ^2/NDF:669347.1/9

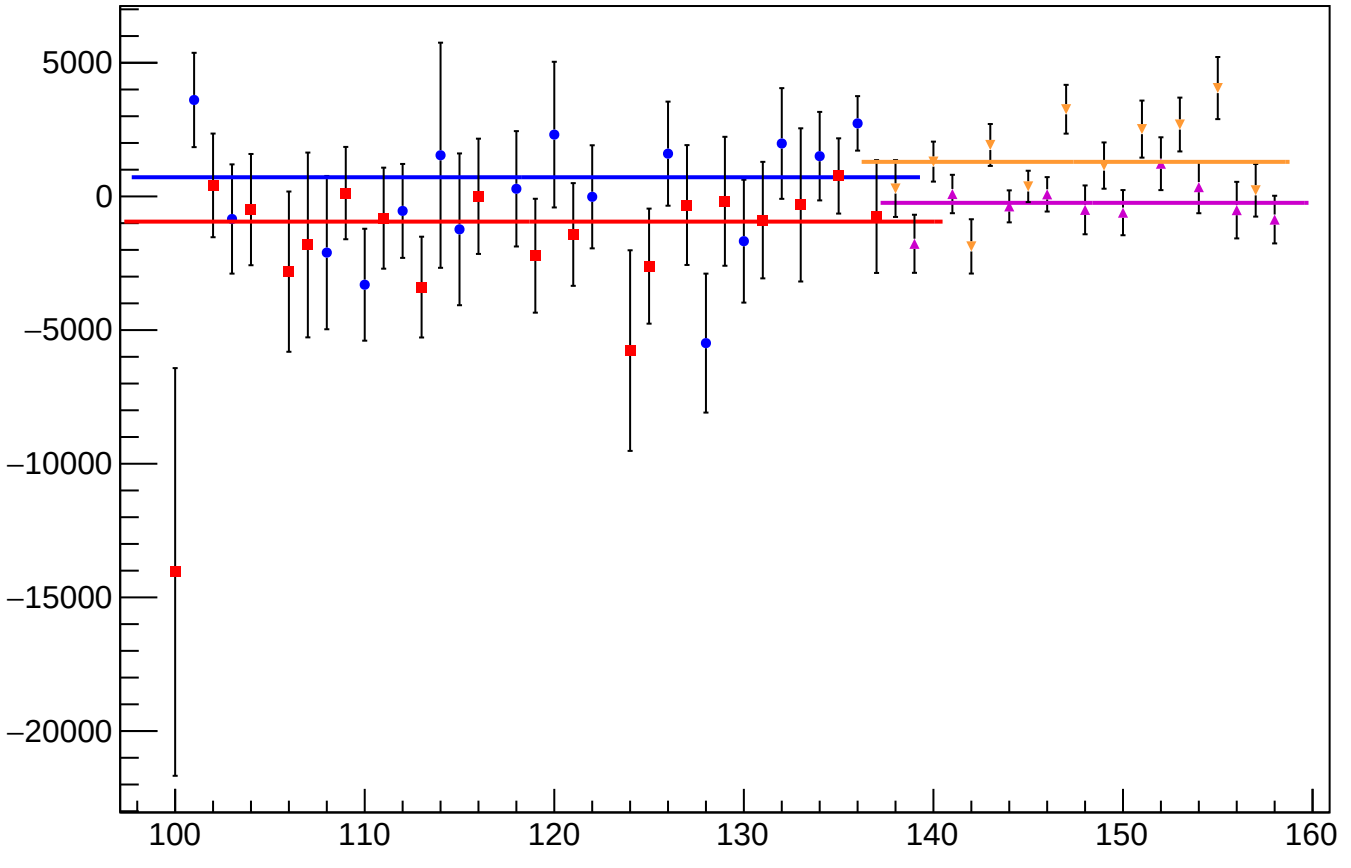
Left: 738.887+/-0.129 χ^2/NDF: 1471817.4/20

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 858.432+/-0.161 χ^2/NDF:3238399.1/25

Out: 863.213+/-0.162 χ^2/NDF:3616295.6/29

All: 860.816+/-0.114 χ^2/NDF: 6855133.1/55



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1293.469+/-263.996 χ^2/NDF:28.4/10

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -240.012+/-259.854 χ^2/NDF:5.9/9

Left: 514.603+/-185.192 χ^2/NDF: 51.4/20

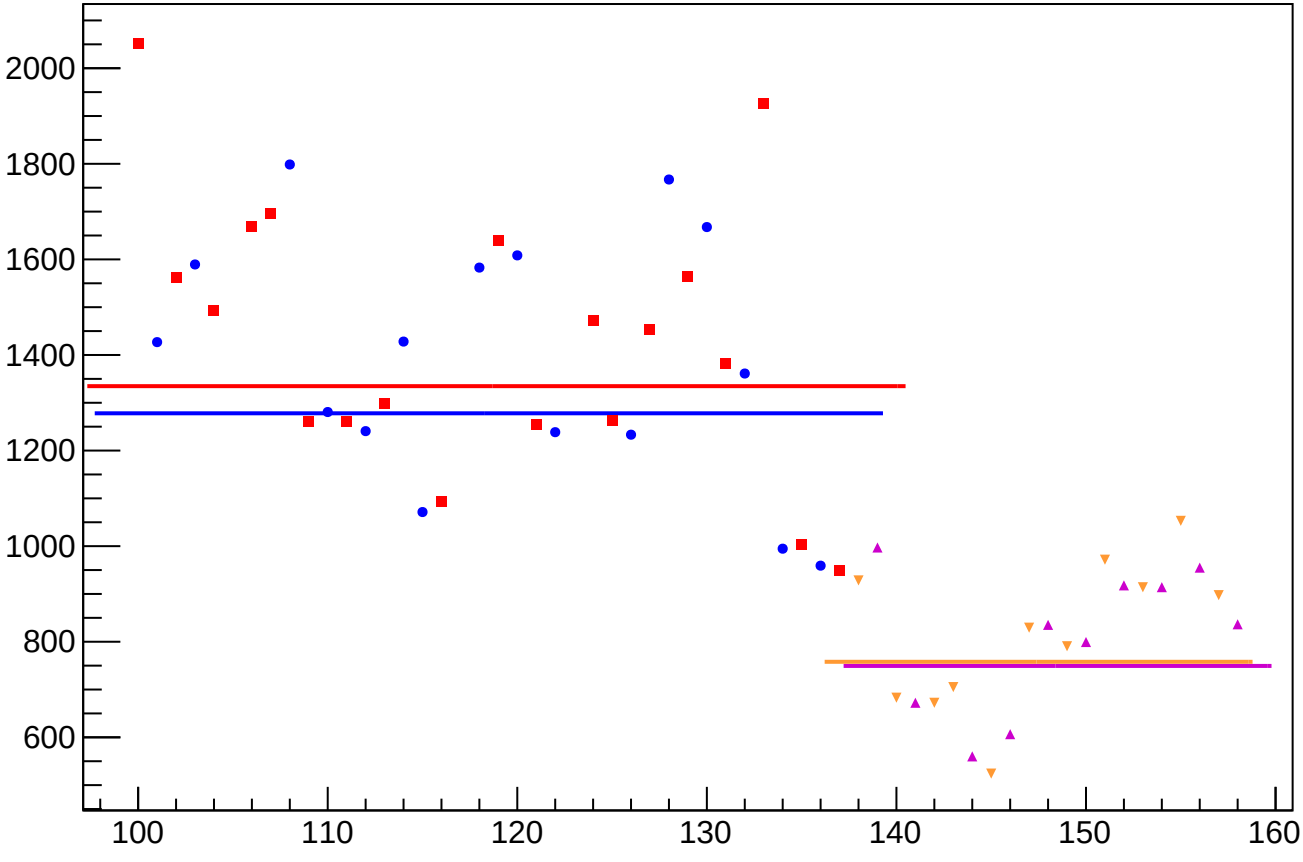
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: -28.627+/-229.388 χ^2/NDF:29.8/25

Out: 803.082+/-233.254 χ^2/NDF:54.7/29

All: 380.278+/-163.552 χ^2/NDF: 91.0/55

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 758.043+/-0.187 χ^2/NDF:725167.6/10

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 749.395+/-0.184 χ^2/NDF:659724.3/9

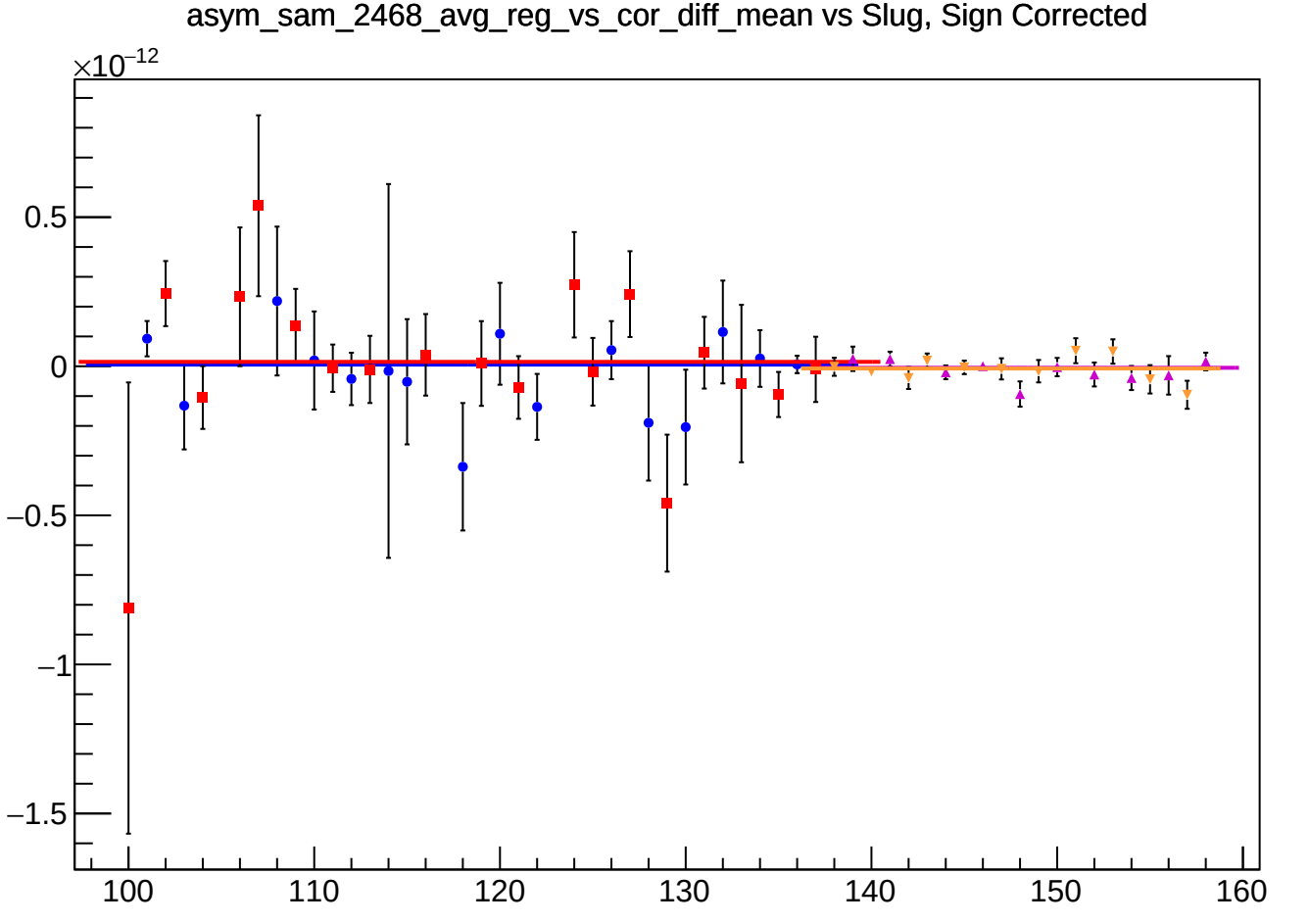
Left: 753.650+/-0.131 χ^2/NDF: 1385981.9/20

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 866.074+/-0.162 χ^2/NDF:3084132.0/25

Out: 884.541+/-0.165 χ^2/NDF:3290664.1/29

All: 875.153+/-0.116 χ^2/NDF: 6381169.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/9

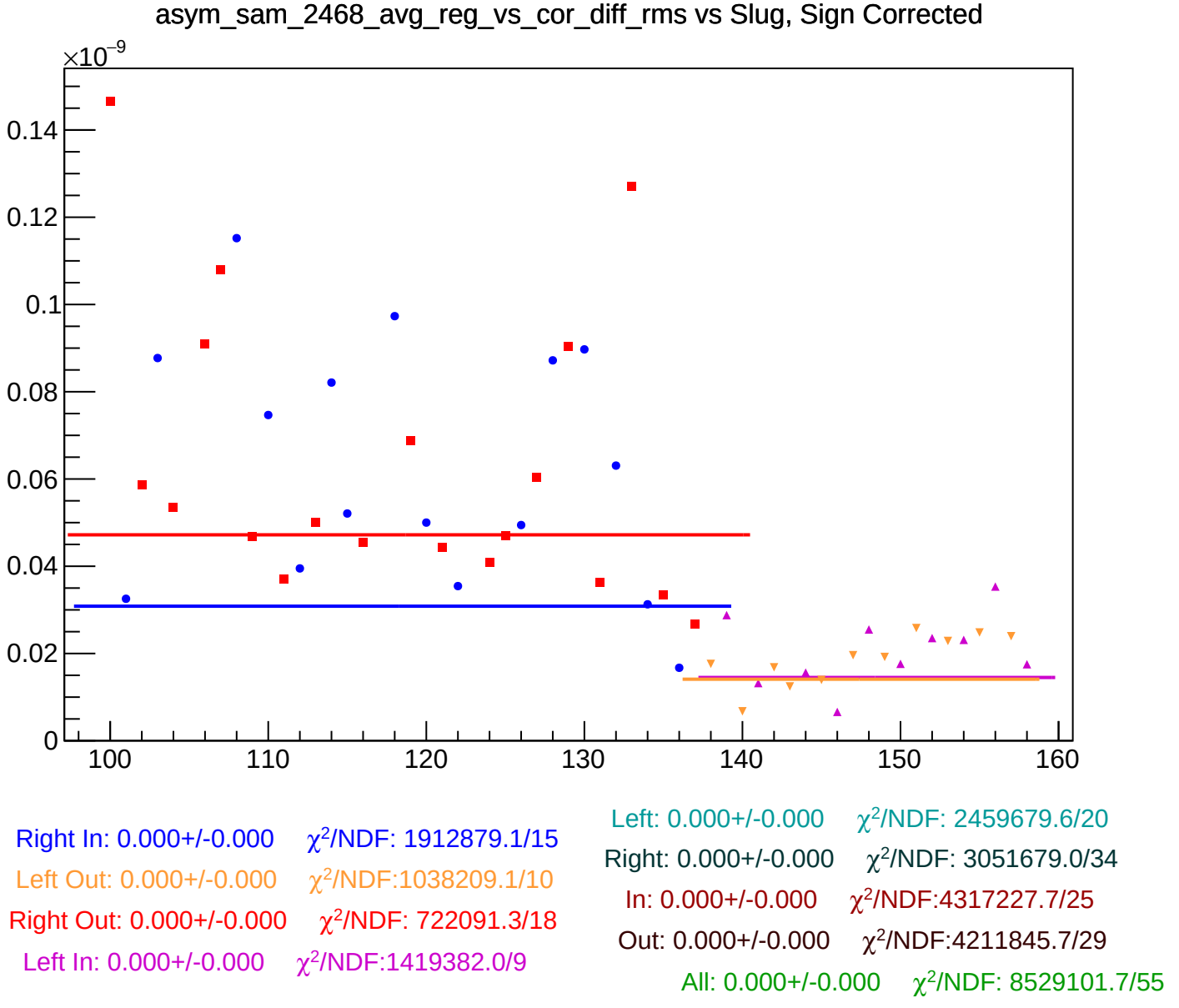
Left: -0.000+/-0.000 χ^2/NDF: 19.1/20

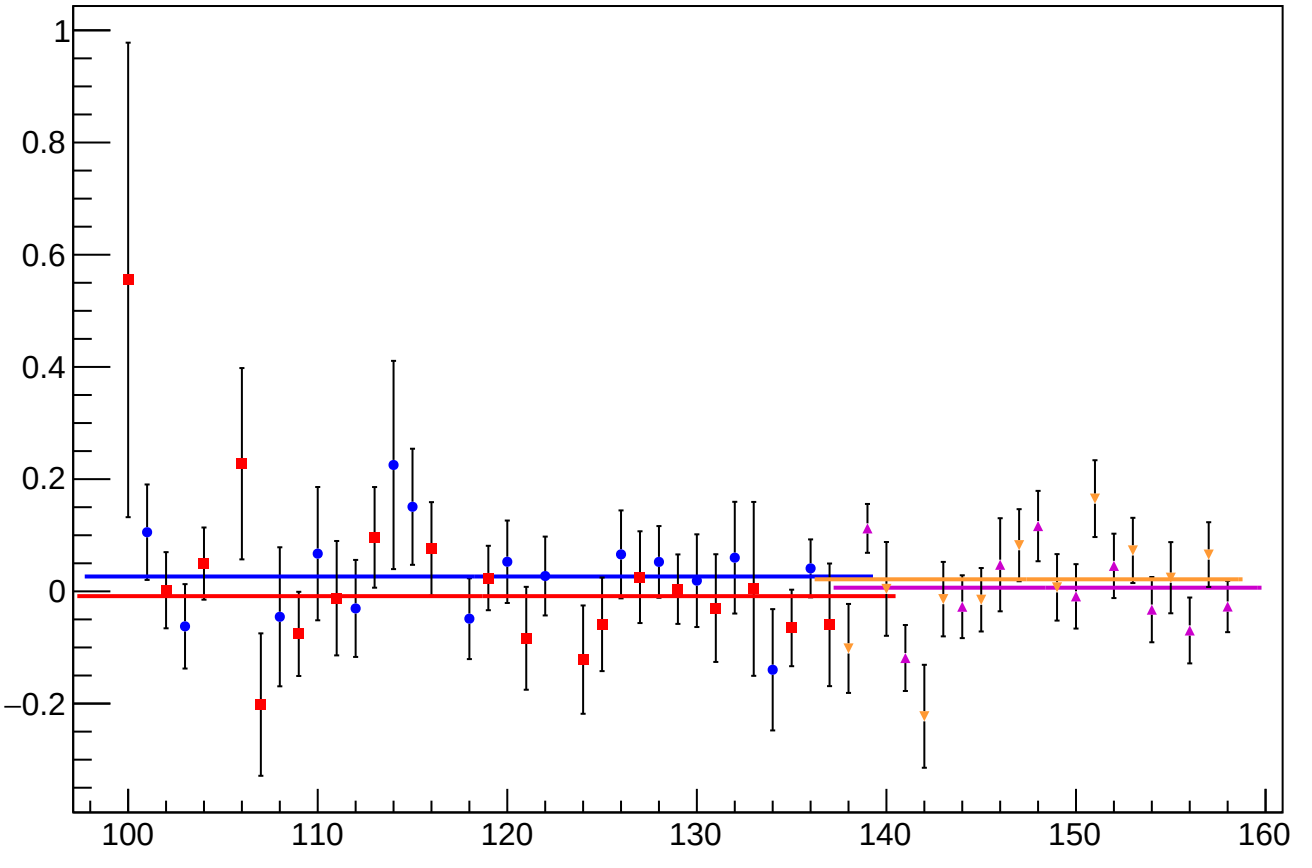
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:20.3/25

Out: -0.000+/-0.000 χ^2/NDF:34.9/29

All: -0.000+/-0.000 χ^2/NDF: 55.3/55


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1038209.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1419382.0/9
Left: 0.000+/-0.000 χ²/NDF: 2459679.6/20
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4317227.7/25
Out: 0.000+/-0.000 χ²/NDF:4211845.7/29
All: 0.000+/-0.000 χ²/NDF: 8529101.7/55



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.018 χ^2/NDF:17.3/9

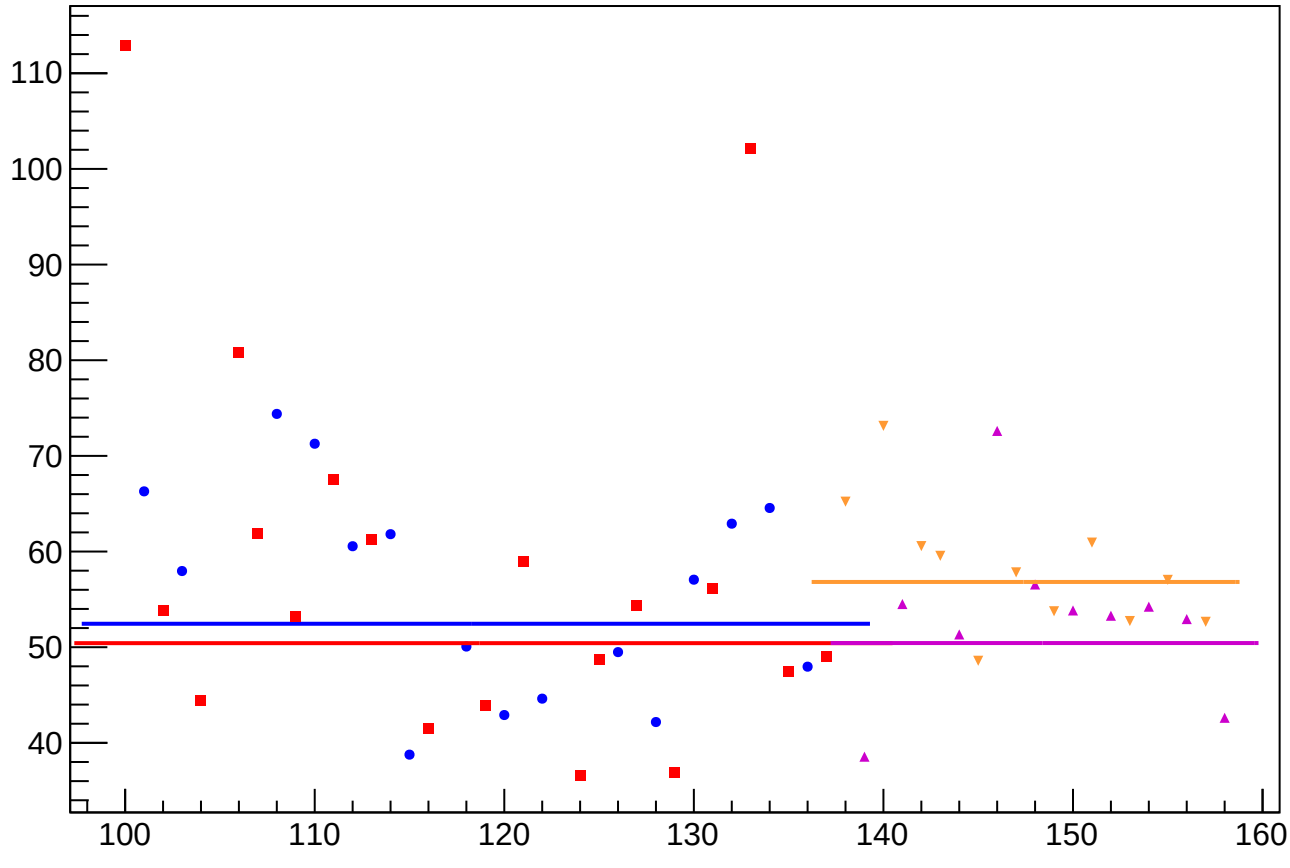
Left: 0.013+/-0.013 χ^2/NDF: 34.6/20

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.013 χ^2/NDF:27.8/25

Out: 0.006+/-0.014 χ^2/NDF:32.1/29

All: 0.011+/-0.010 χ^2/NDF: 60.1/55



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 56.821+/-0.014 χ^2/NDF:181133.5/10

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.434+/-0.012 χ^2/NDF:403508.7/9

Left: 53.261+/-0.009 χ^2/NDF: 700428.7/20

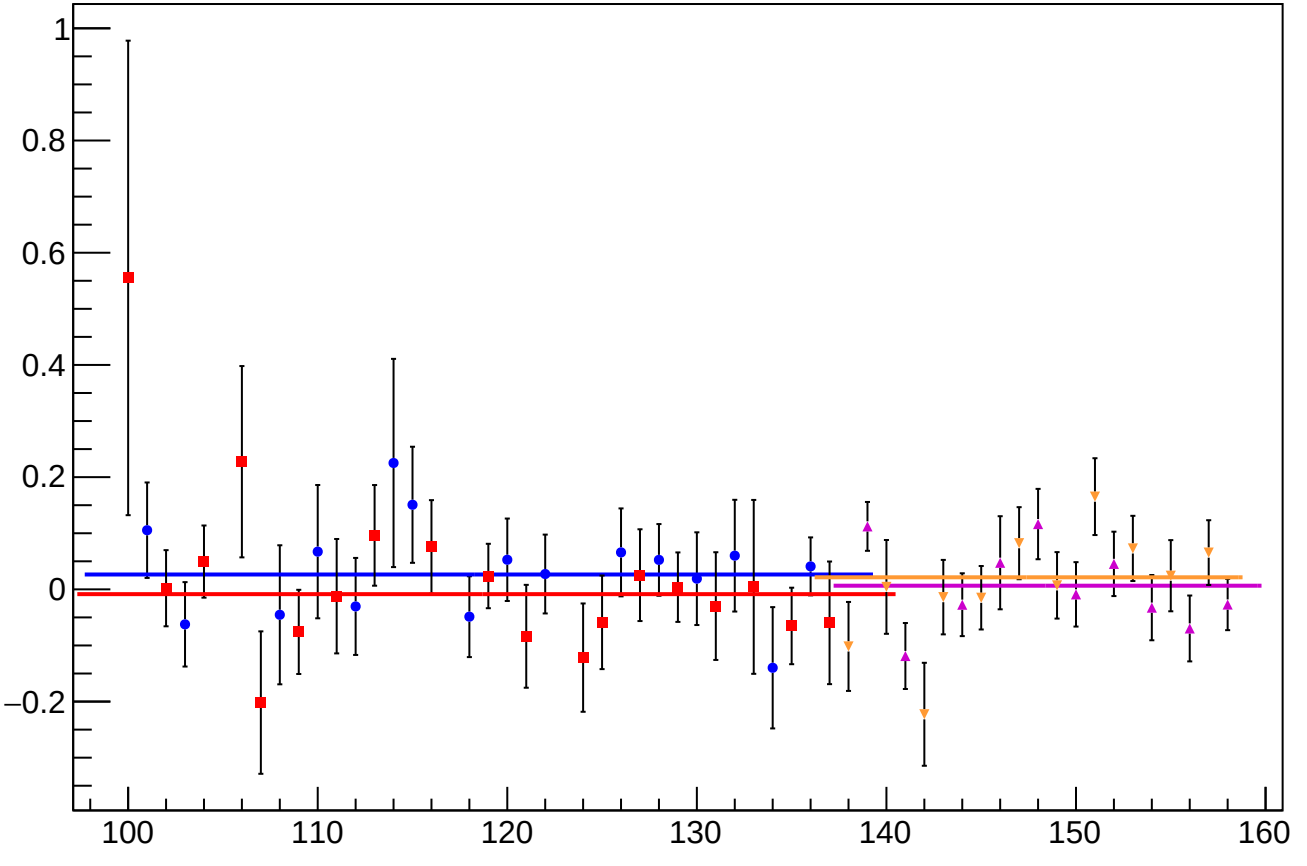
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.298+/-0.009 χ^2/NDF:832696.1/25

Out: 53.566+/-0.010 χ^2/NDF:963912.1/29

All: 52.387+/-0.007 χ^2/NDF: 1824330.8/55

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.018 χ^2/NDF:17.3/9

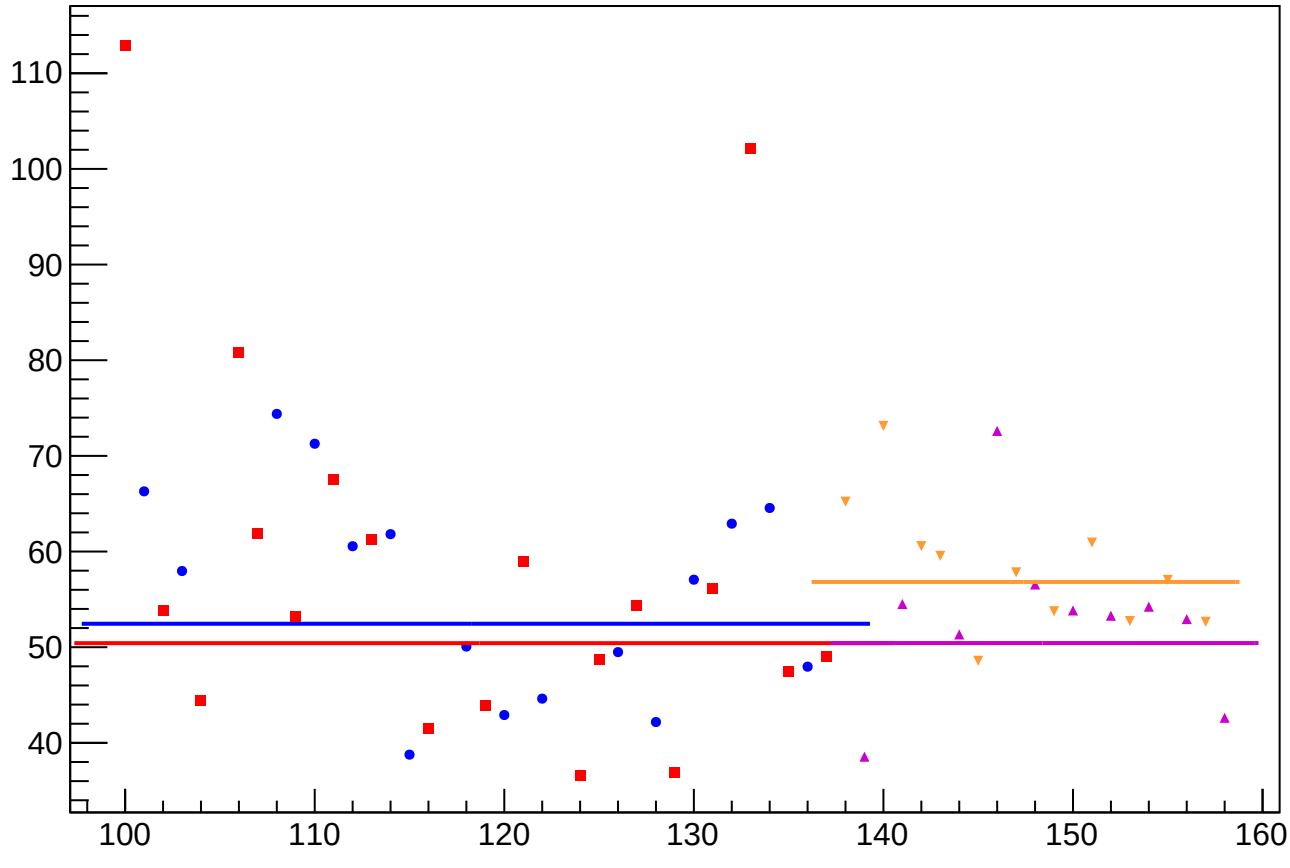
Left: 0.013+/-0.013 χ^2/NDF: 34.6/20

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.013 χ^2/NDF:27.8/25

Out: 0.006+/-0.014 χ^2/NDF:32.1/29

All: 0.011+/-0.010 χ^2/NDF: 60.1/55



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 56.821+/-0.014 χ^2/NDF:181133.5/10

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.434+/-0.012 χ^2/NDF:403508.7/9

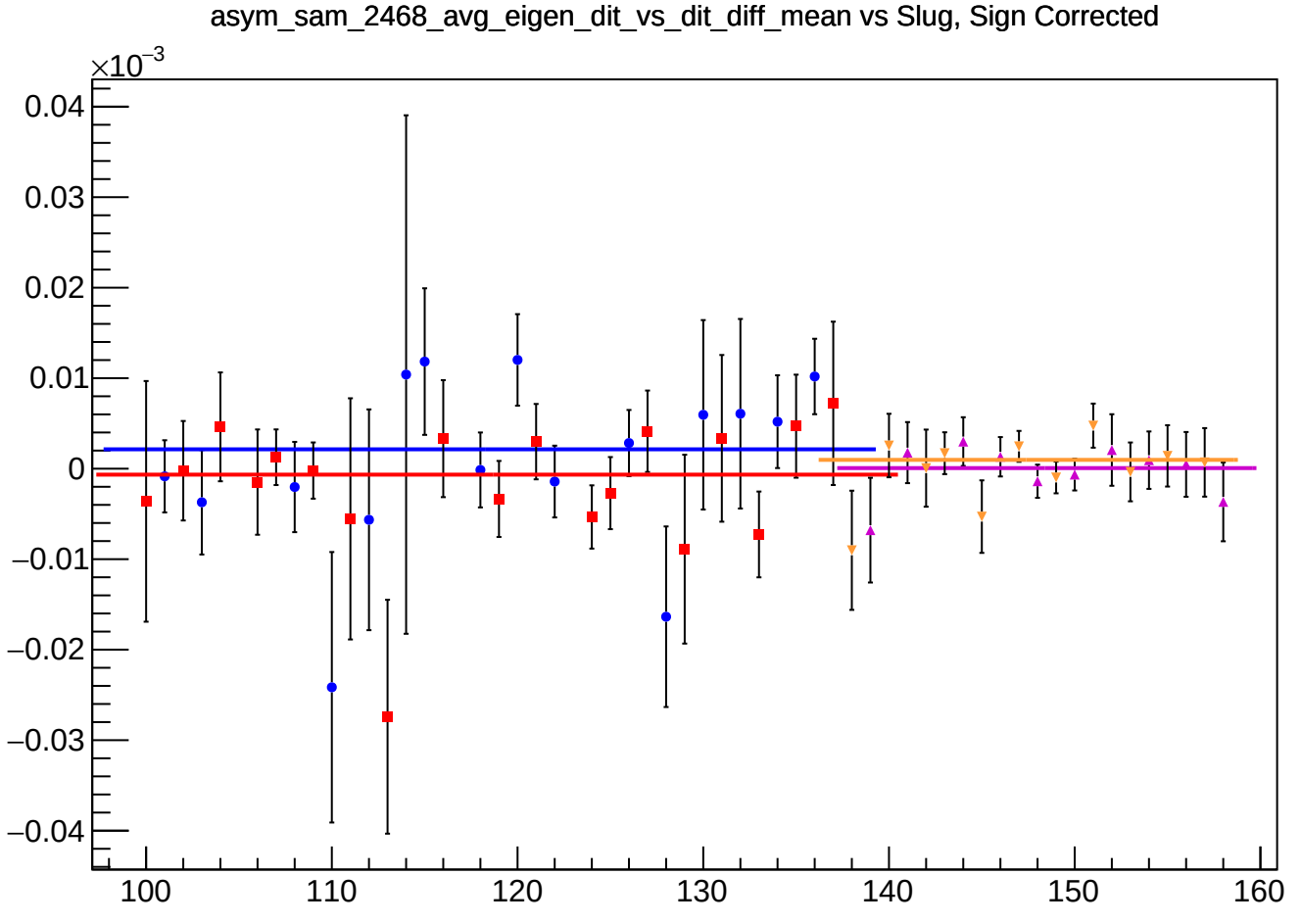
Left: 53.261+/-0.009 χ^2/NDF: 700428.7/20

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.298+/-0.009 χ^2/NDF:832696.1/25

Out: 53.566+/-0.010 χ^2/NDF:963912.1/29

All: 52.387+/-0.007 χ^2/NDF: 1824330.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/9

Left: 0.000+/-0.000 χ^2/NDF: 15.3/20

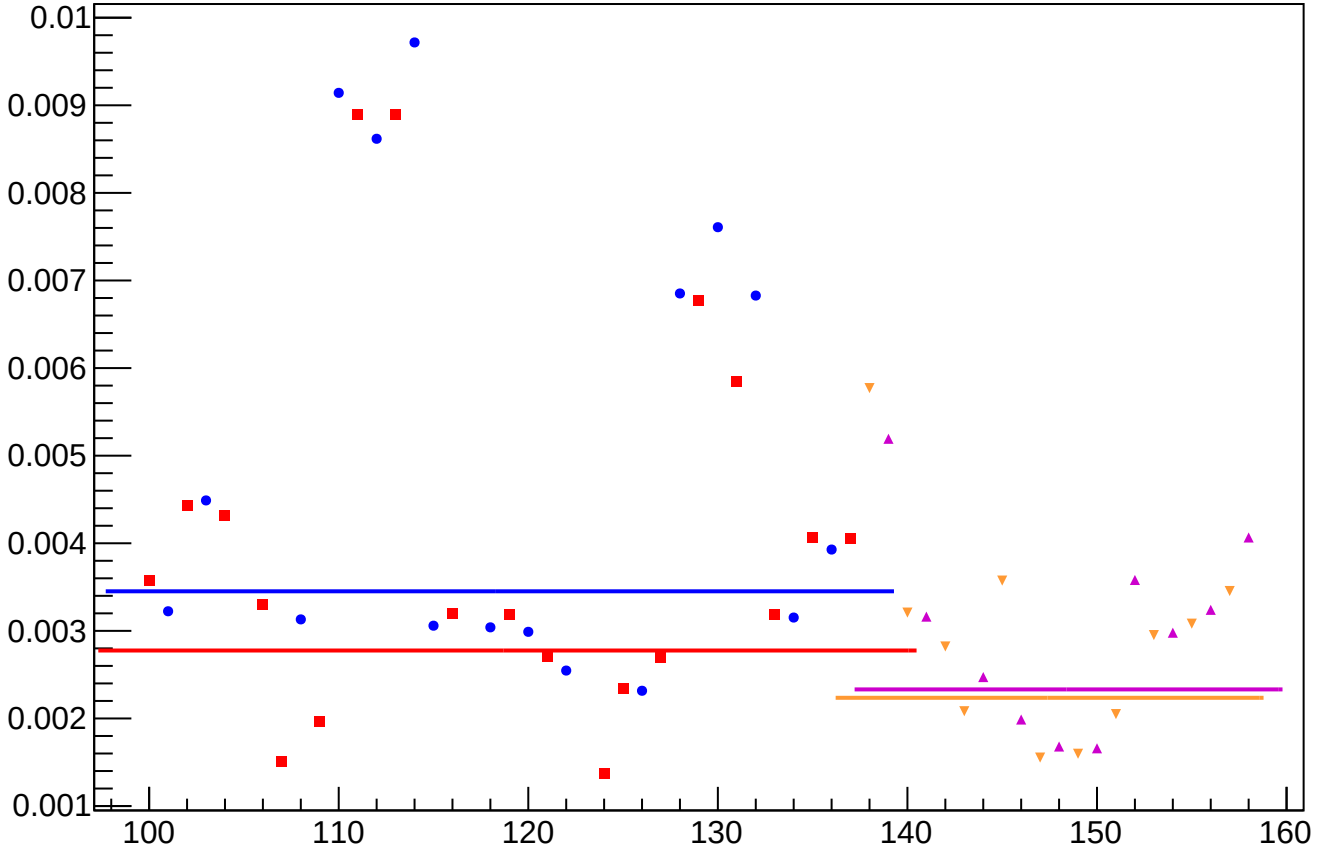
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.7/25

Out: 0.000+/-0.000 χ^2/NDF:25.9/29

All: 0.000+/-0.000 χ^2/NDF: 52.7/55

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2026855.1/10

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1940895.2/9

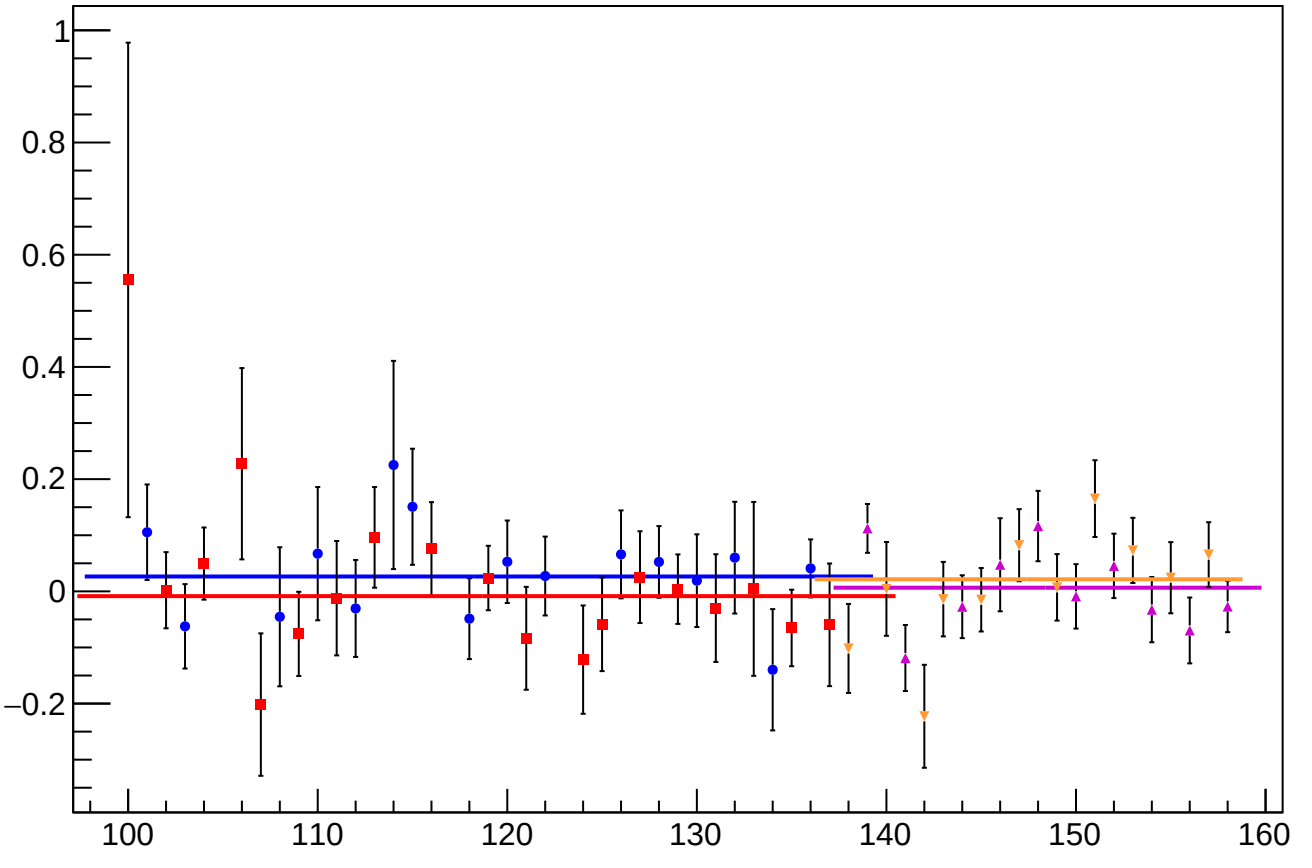
Left: 0.002+/-0.000 χ^2/NDF: 3980940.1/20

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:4841193.8/25

Out: 0.002+/-0.000 χ^2/NDF:5055347.0/29

All: 0.003+/-0.000 χ^2/NDF: 9997142.8/55



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.018 χ^2/NDF:17.3/9

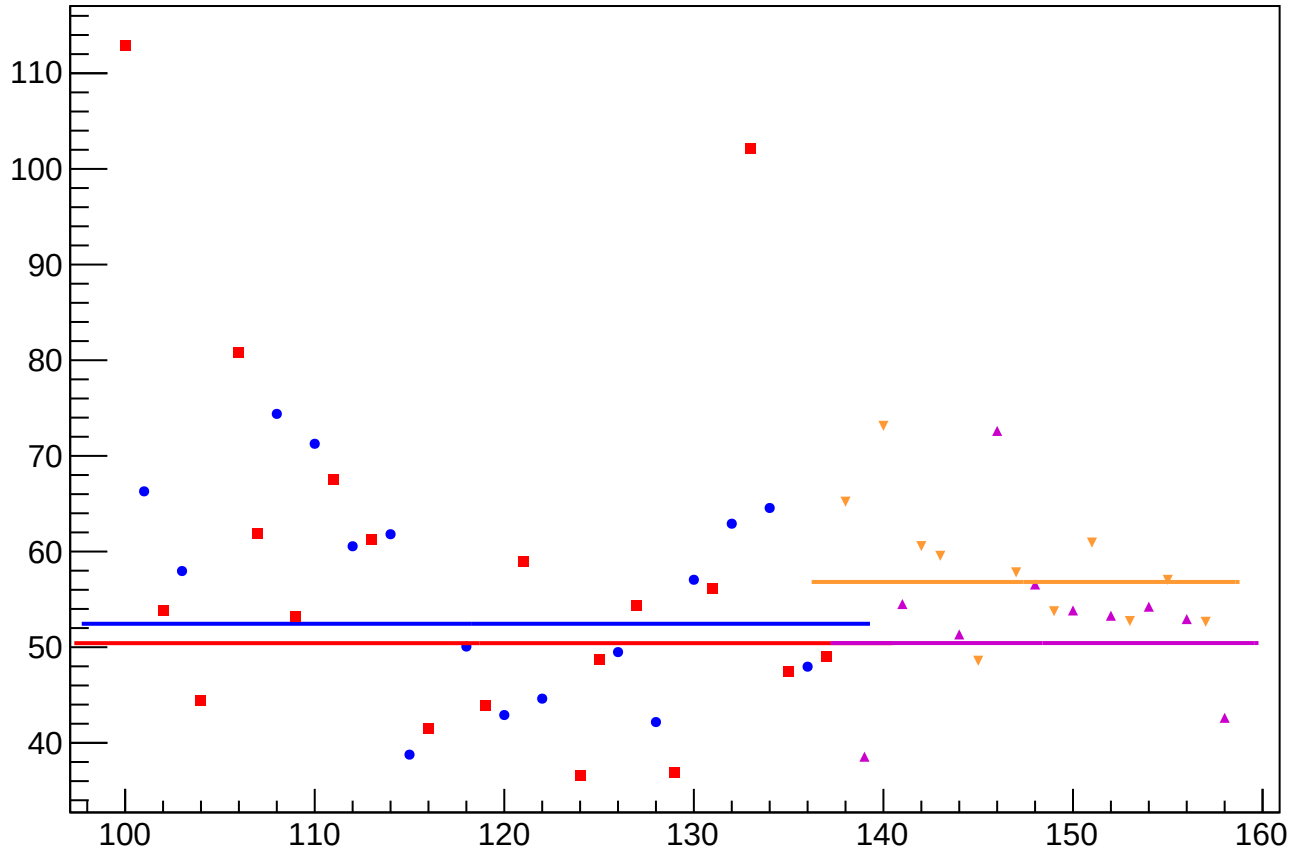
Left: 0.013+/-0.013 χ^2/NDF: 34.6/20

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.013 χ^2/NDF:27.8/25

Out: 0.006+/-0.014 χ^2/NDF:32.1/29

All: 0.011+/-0.010 χ^2/NDF: 60.1/55



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 56.822+/-0.014 χ^2/NDF:181102.9/10

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.434+/-0.012 χ^2/NDF:403575.8/9

Left: 53.261+/-0.009 χ^2/NDF: 700487.9/20

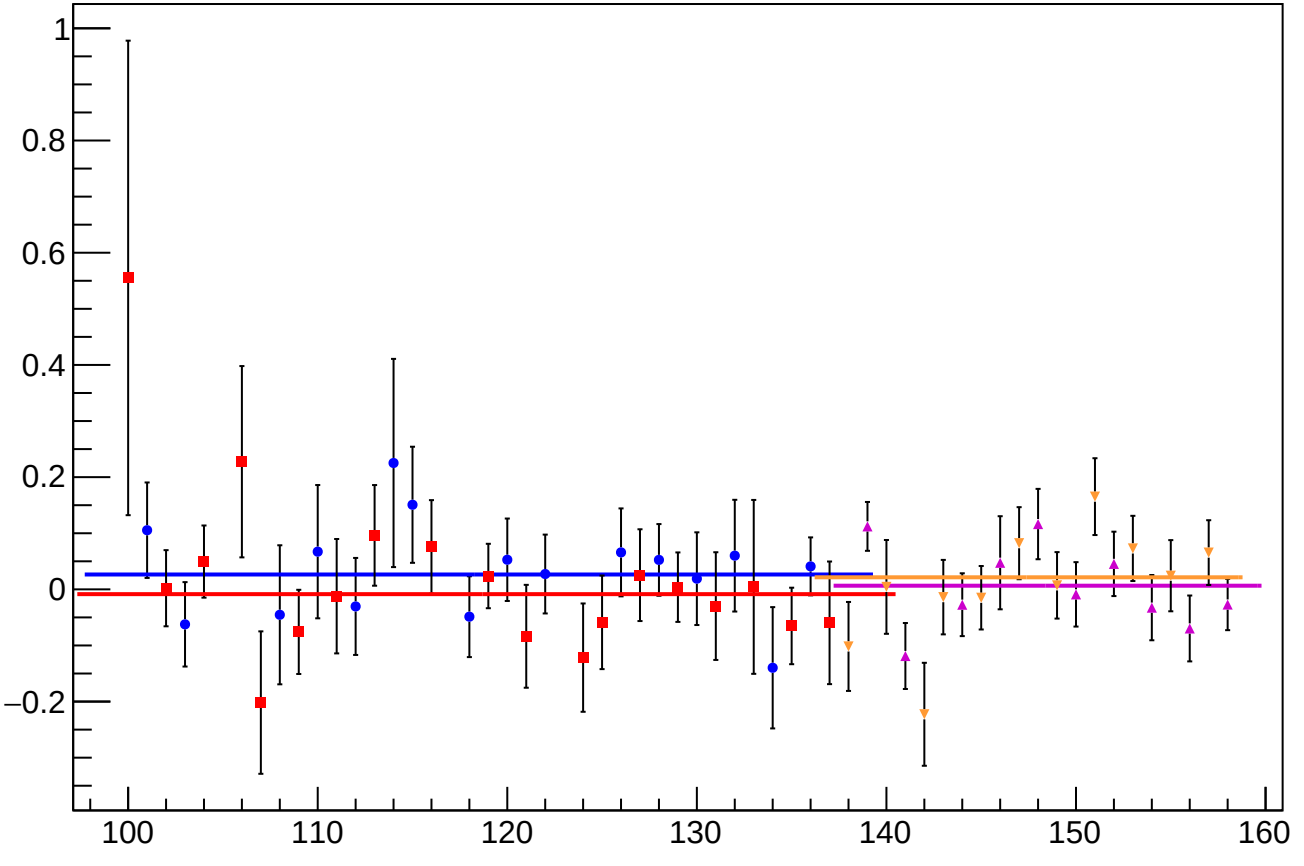
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.298+/-0.009 χ^2/NDF:832702.5/25

Out: 53.566+/-0.010 χ^2/NDF:963951.6/29

All: 52.387+/-0.007 χ^2/NDF: 1824379.9/55

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.018 χ^2/NDF:17.3/9

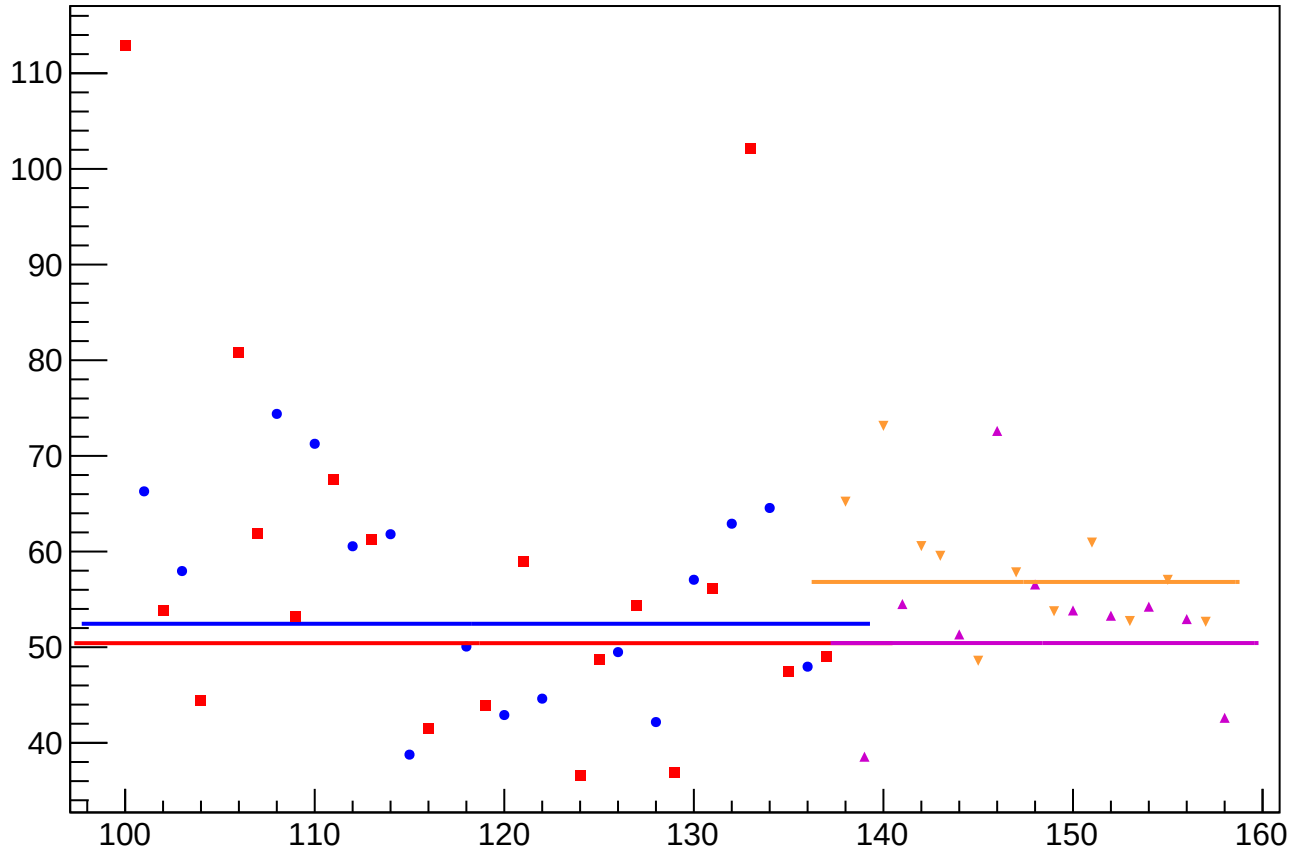
Left: 0.013+/-0.013 χ^2/NDF: 34.6/20

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.013 χ^2/NDF:27.8/25

Out: 0.006+/-0.014 χ^2/NDF:32.1/29

All: 0.011+/-0.010 χ^2/NDF: 60.1/55



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 56.822+/-0.014 χ^2/NDF:181102.9/10

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.434+/-0.012 χ^2/NDF:403575.8/9

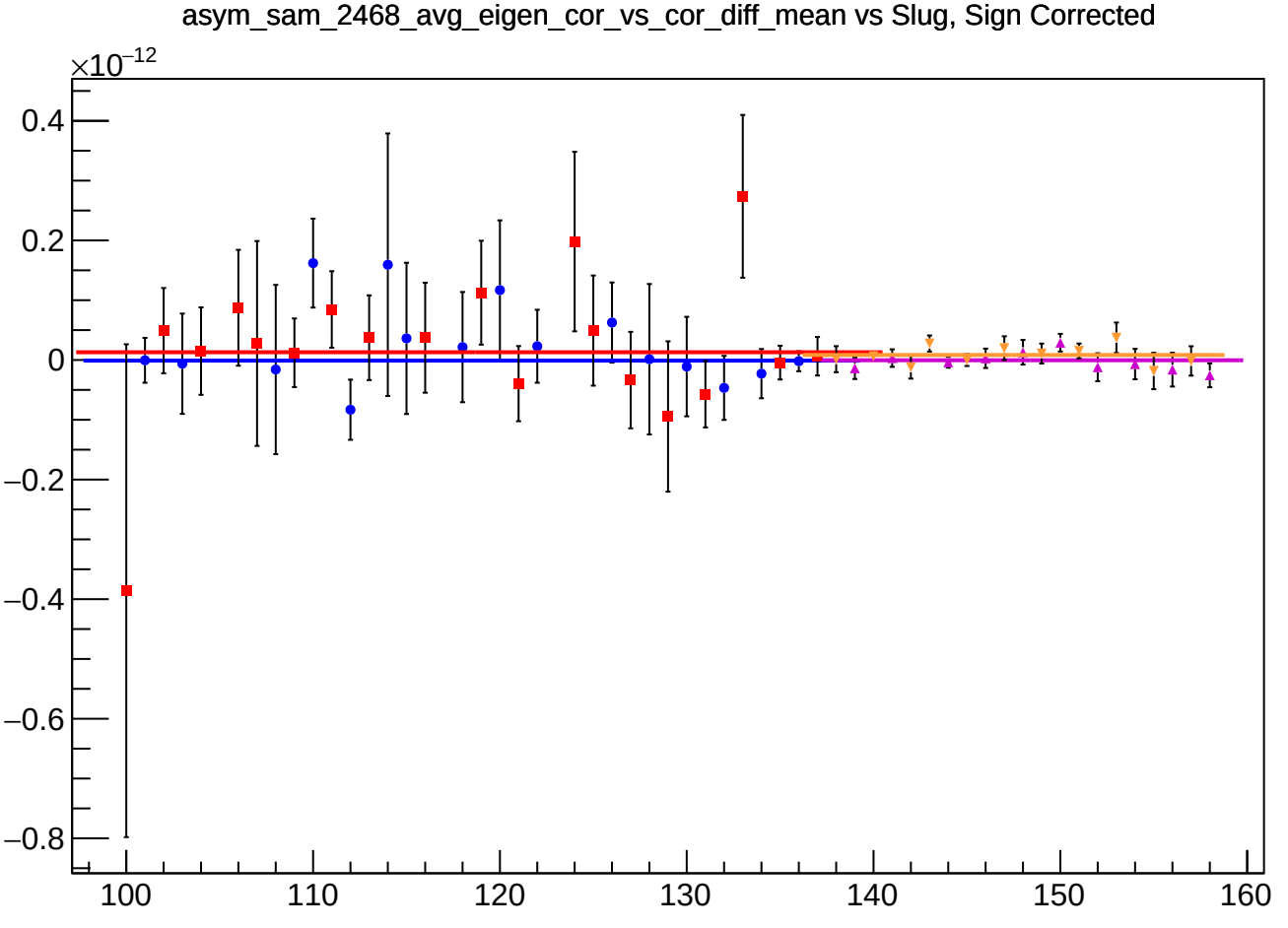
Left: 53.261+/-0.009 χ^2/NDF: 700487.9/20

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.298+/-0.009 χ^2/NDF:832702.5/25

Out: 53.566+/-0.010 χ^2/NDF:963951.6/29

All: 52.387+/-0.007 χ^2/NDF: 1824379.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/9

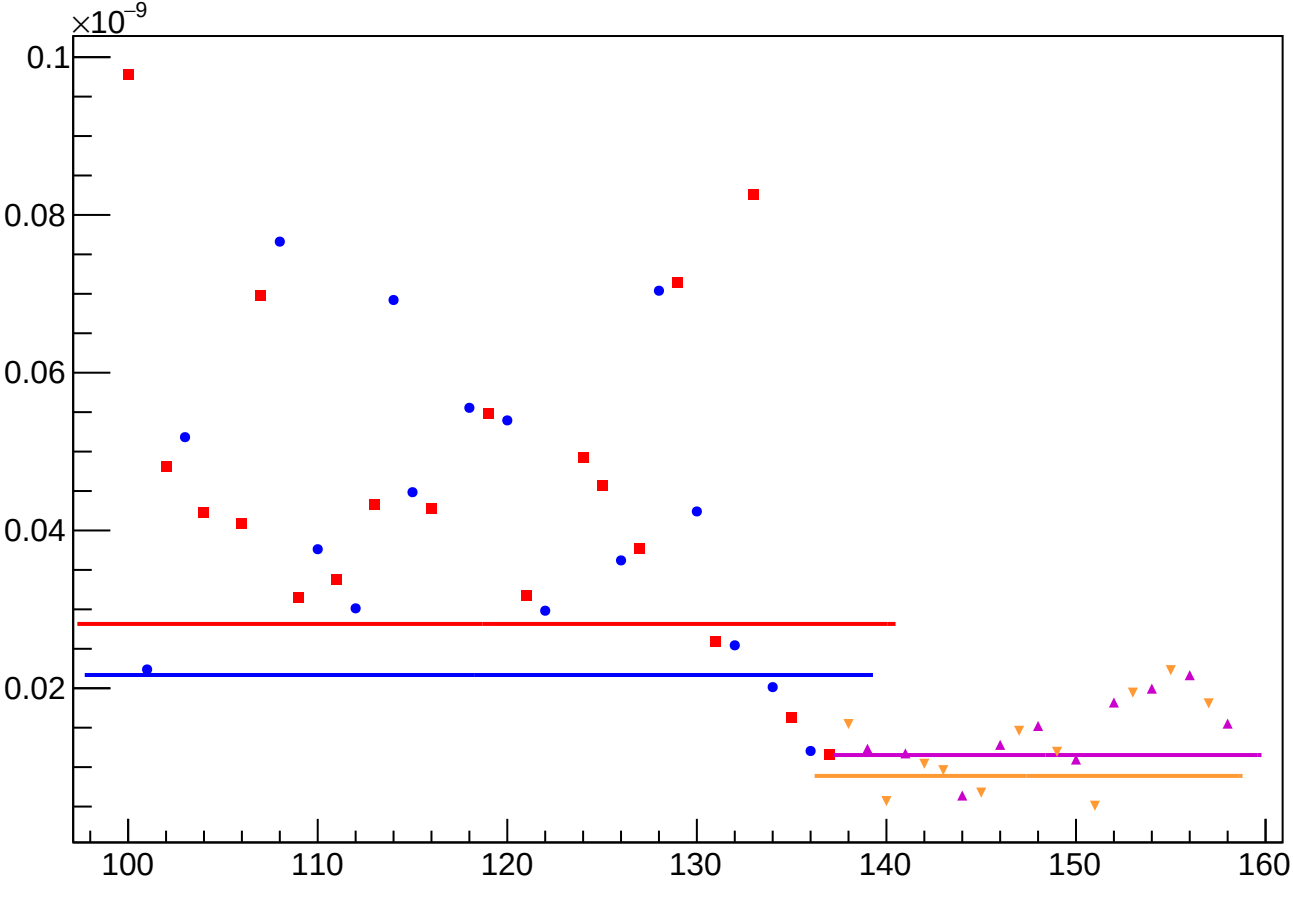
Left: 0.000+/-0.000 χ^2/NDF: 16.0/20

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:18.7/25

Out: 0.000+/-0.000 χ^2/NDF:20.7/29

All: 0.000+/-0.000 χ^2/NDF: 41.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2025410.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1440063.1/9

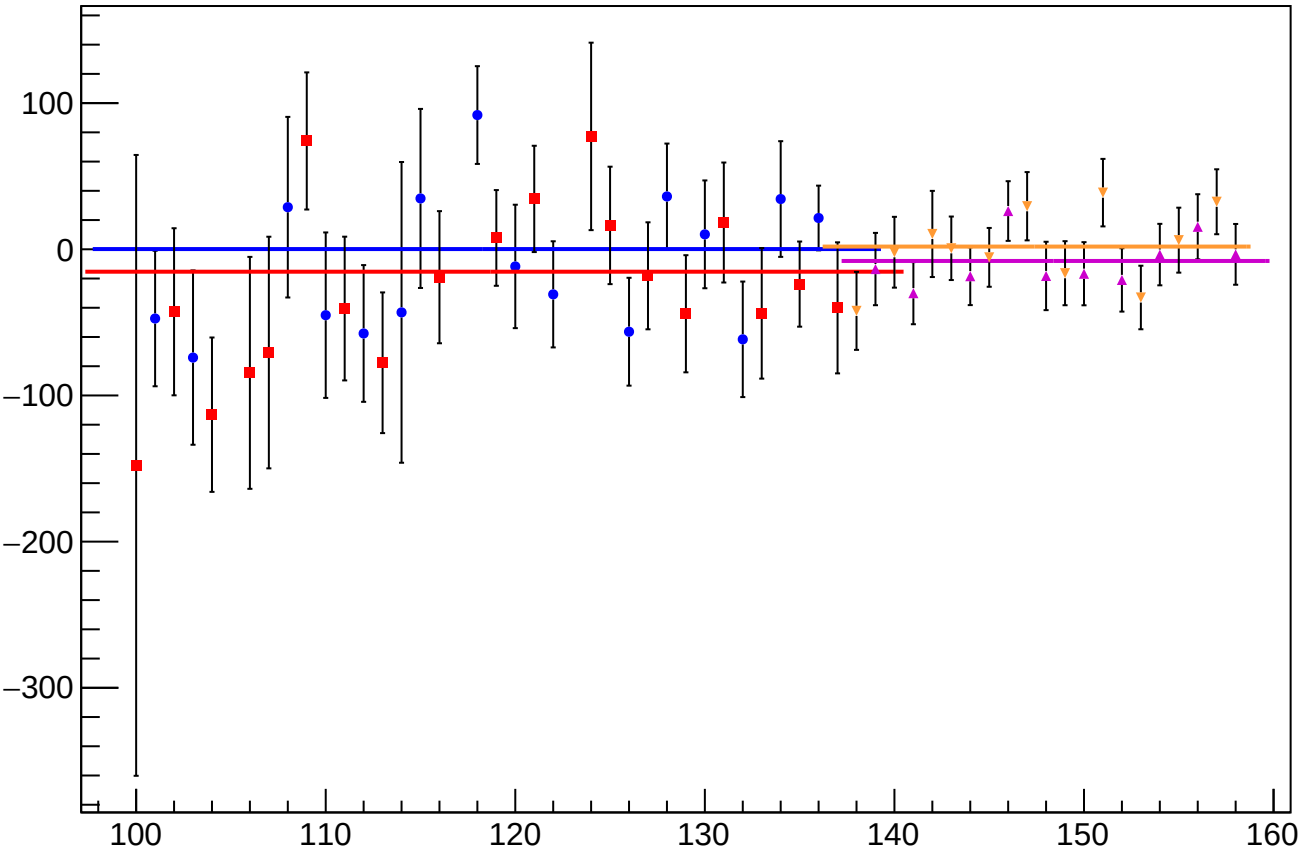
Left: 0.000+/-0.000 χ^2/NDF: 3772992.4/20

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5173851.5/25

Out: 0.000+/-0.000 χ^2/NDF:7643811.7/29

All: 0.000+/-0.000 χ^2/NDF: 13162015.0/55



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.856+/-6.932 χ^2/NDF:12.1/10

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.986+/-6.821 χ^2/NDF:6.1/9

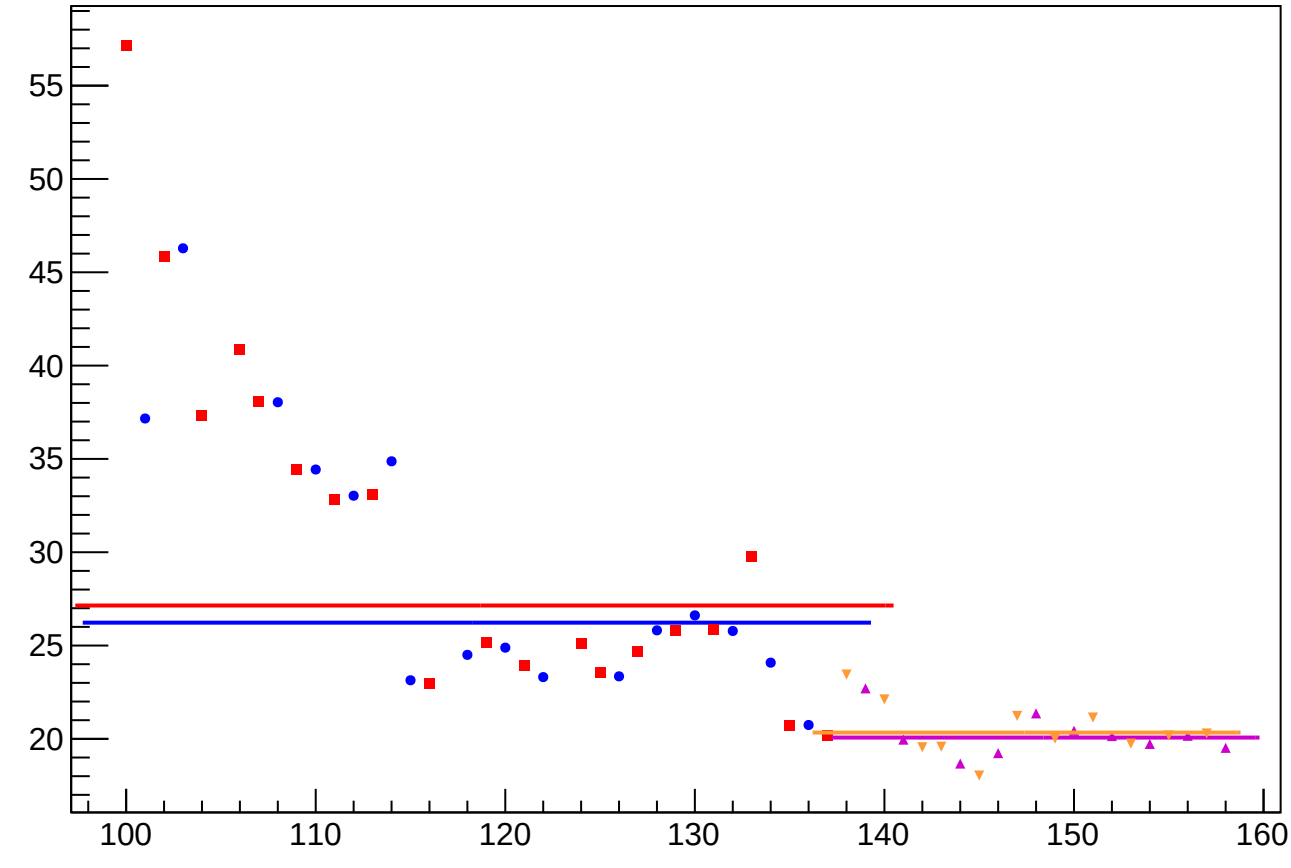
Left: -3.145+/-4.862 χ^2/NDF: 19.3/20

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -5.418+/-5.643 χ^2/NDF:27.9/25

Out: -3.526+/-5.745 χ^2/NDF:32.0/29

All: -4.489+/-4.026 χ^2/NDF: 59.9/55



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.338+/-0.005 χ^2/NDF:75340.6/10

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

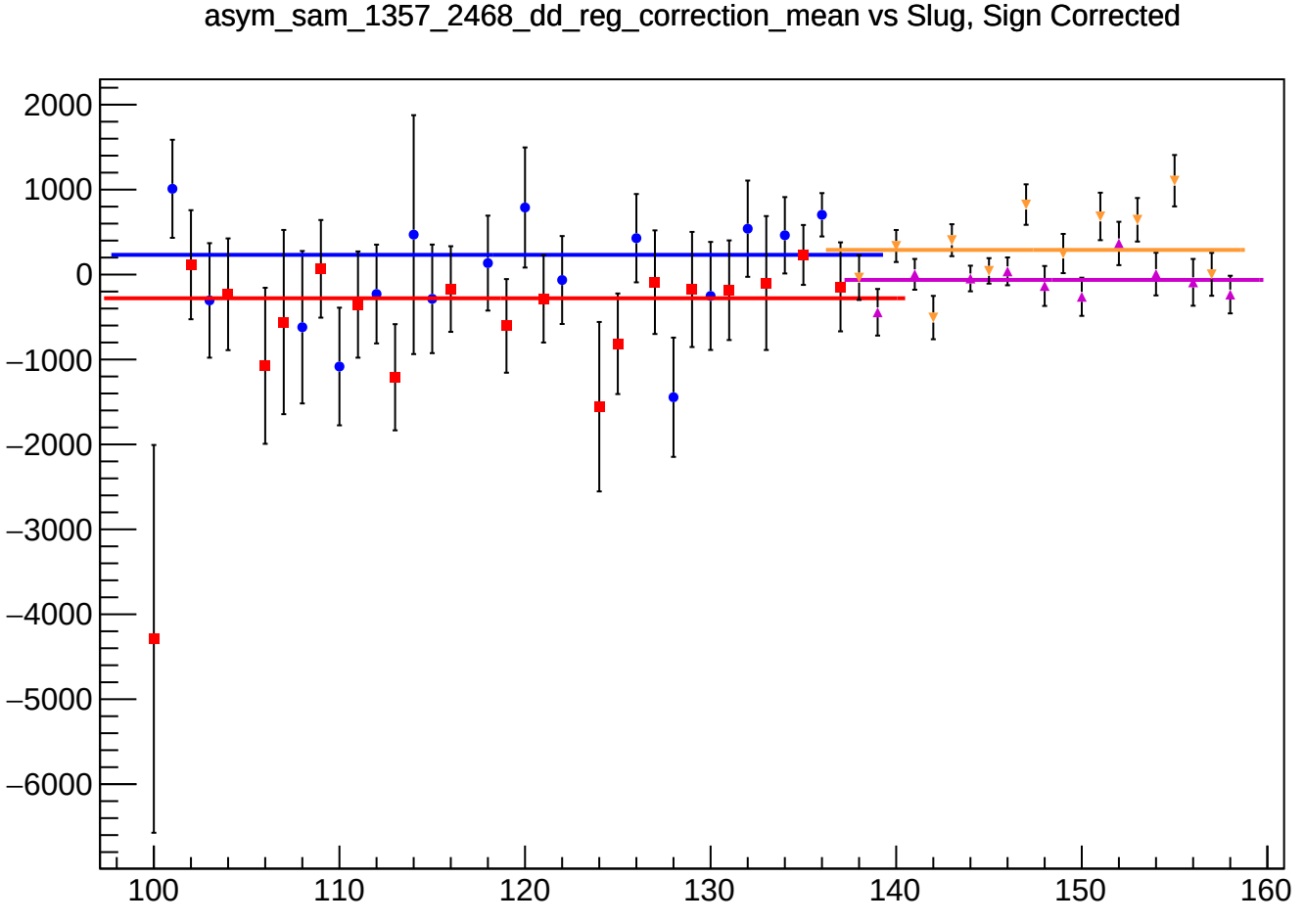
Left: 20.202+/-0.003 χ^2/NDF: 121565.9/20

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 22.012+/-0.004 χ^2/NDF:1234890.5/25

Out: 22.470+/-0.004 χ^2/NDF:1434609.3/29

All: 22.237+/-0.003 χ^2/NDF: 2675969.0/55



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.132+/-67.145 χ^2/NDF:31.9/10

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -63.050+/-66.316 χ^2/NDF:6.8/9

Left: 111.348+/-47.183 χ^2/NDF: 52.8/20

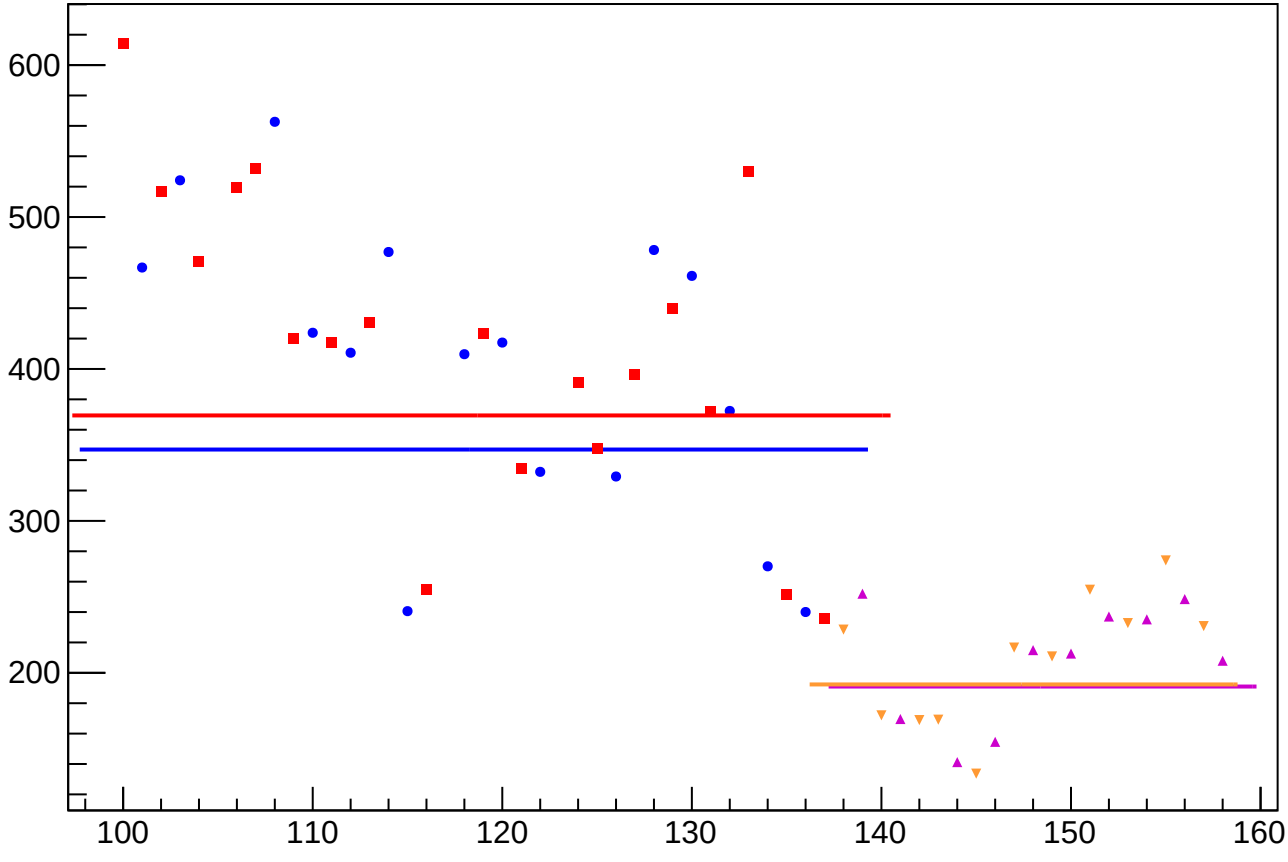
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -5.586+/-59.511 χ^2/NDF:30.3/25

Out: 183.649+/-60.539 χ^2/NDF:57.5/29

All: 87.411+/-42.440 χ^2/NDF: 92.8/55

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: 192.359+/-0.047 χ^2/NDF:789996.1/10

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 190.979+/-0.047 χ^2/NDF:708243.4/9

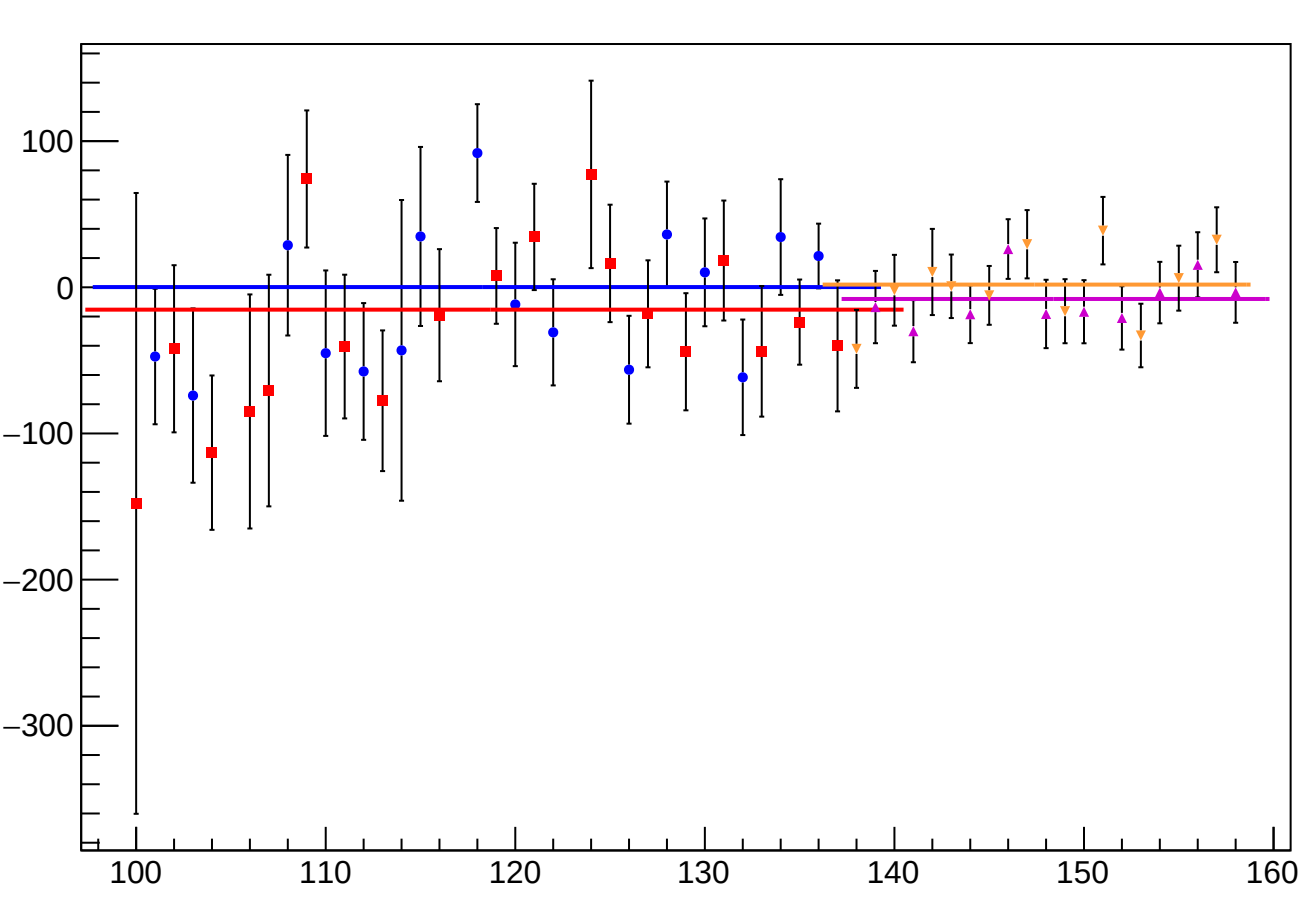
Left: 191.660+/-0.033 χ^2/NDF: 1498667.0/20

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 221.350+/-0.042 χ^2/NDF:3920772.1/25

Out: 225.482+/-0.043 χ^2/NDF:4310419.7/29

All: 223.381+/-0.030 χ^2/NDF: 8235930.5/55



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.854+/-6.932 χ^2/NDF:12.1/10

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.987+/-6.821 χ^2/NDF:6.1/9

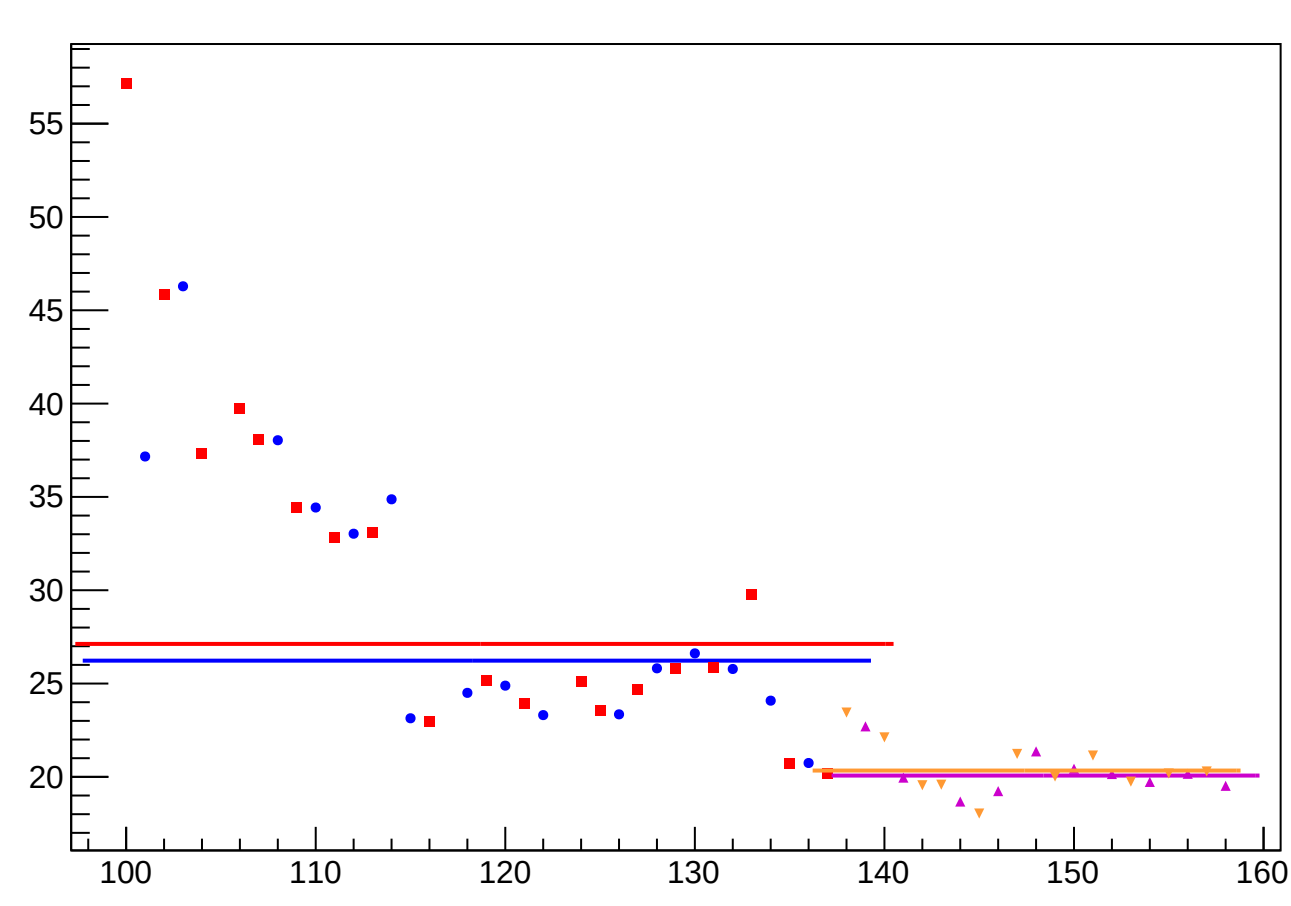
Left: -3.146+/-4.862 χ^2/NDF: 19.3/20

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.418+/-5.643 χ^2/NDF:27.9/25

Out: -3.514+/-5.746 χ^2/NDF:32.0/29

All: -4.483+/-4.026 χ^2/NDF: 59.9/55



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.338+/-0.005 χ^2/NDF:75340.6/10

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

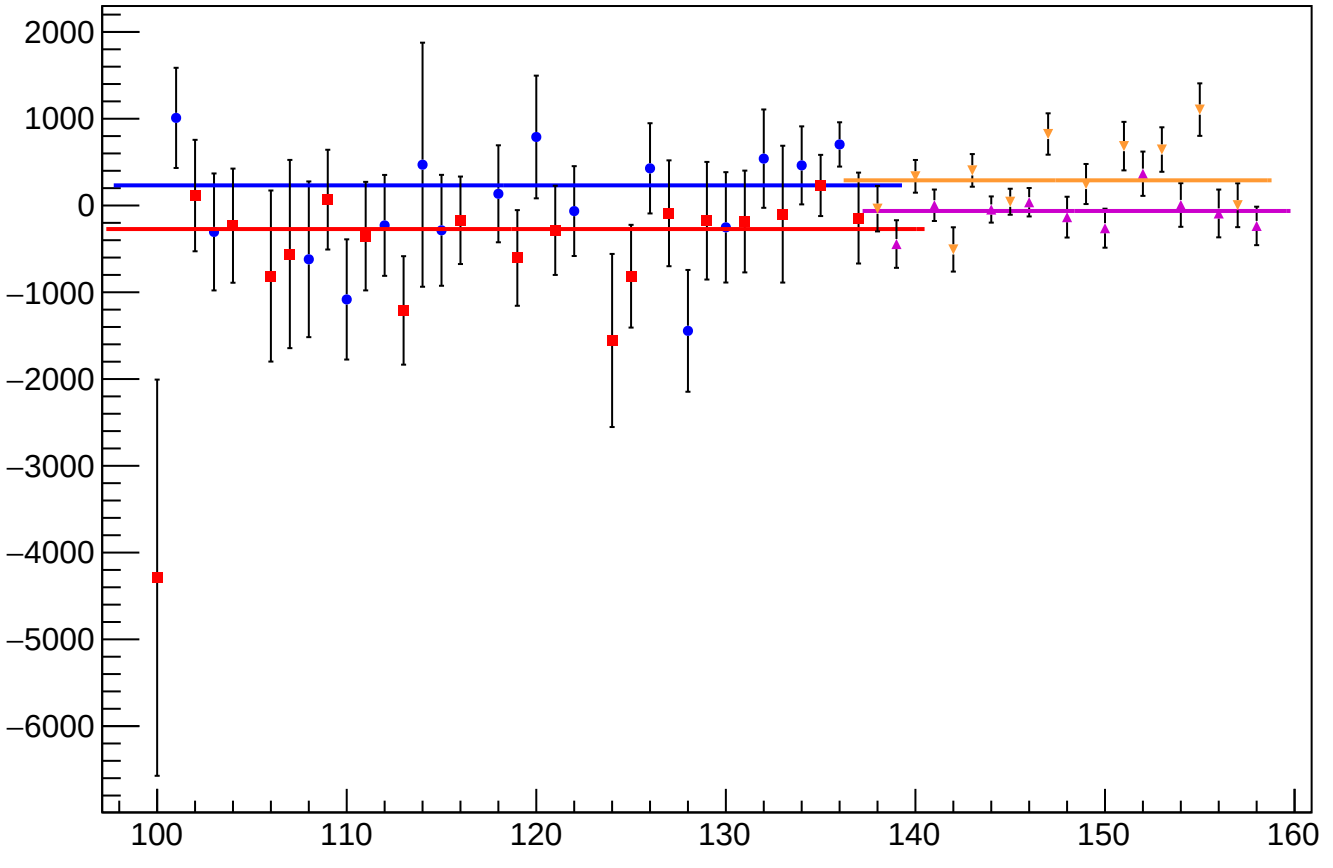
Left: 20.202+/-0.003 χ^2/NDF: 121565.9/20

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.012+/-0.004 χ^2/NDF:1234893.9/25

Out: 22.463+/-0.004 χ^2/NDF:1420846.4/29

All: 22.233+/-0.003 χ^2/NDF: 2662003.3/55



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.130+/-67.145 χ^2/NDF:31.9/10

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -63.051+/-66.316 χ^2/NDF:6.8/9

Left: 111.346+/-47.183 χ^2/NDF: 52.8/20

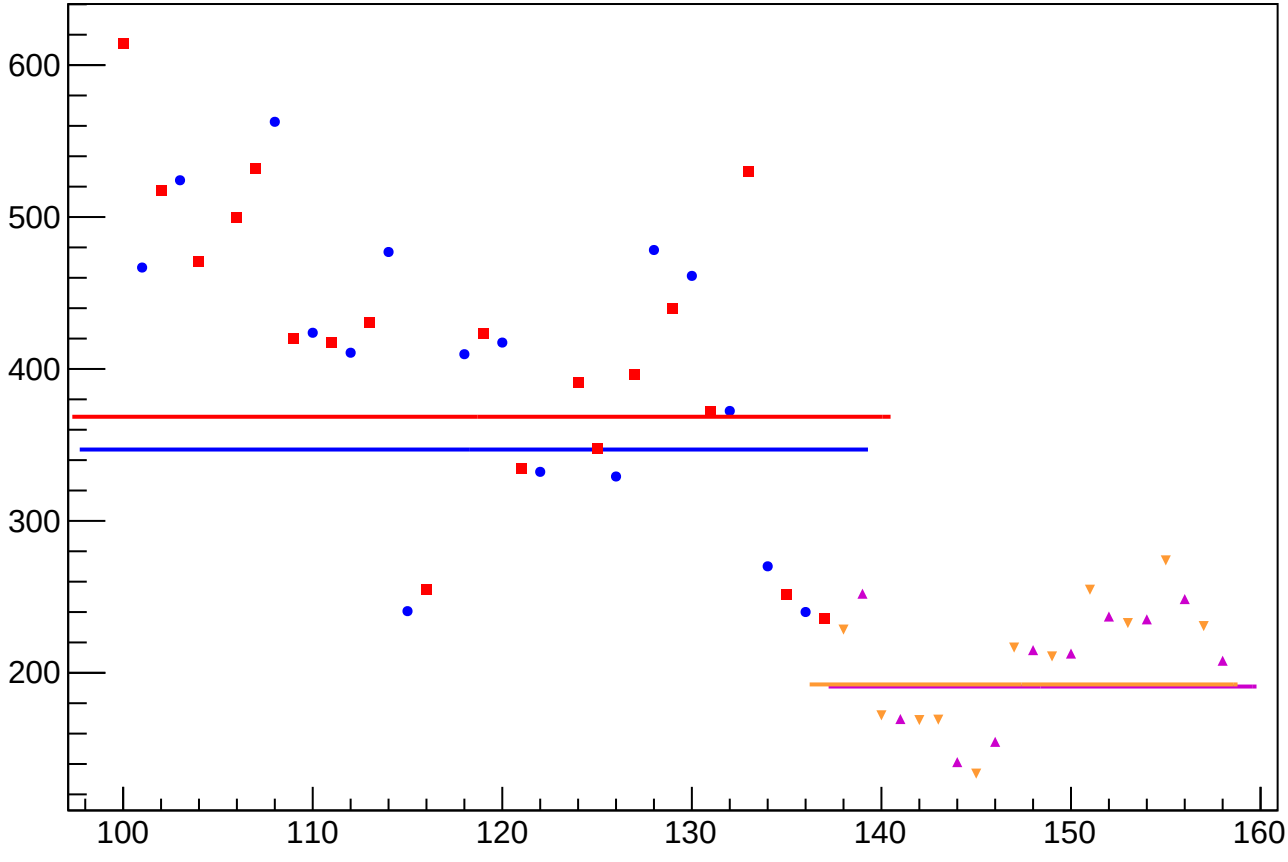
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -5.588+/-59.511 χ^2/NDF:30.3/25

Out: 185.339+/-60.557 χ^2/NDF:56.6/29

All: 88.213+/-42.446 χ^2/NDF: 92.0/55

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: 192.359+/-0.047 χ^2/NDF:789999.4/10

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 190.979+/-0.047 χ^2/NDF:708241.3/9

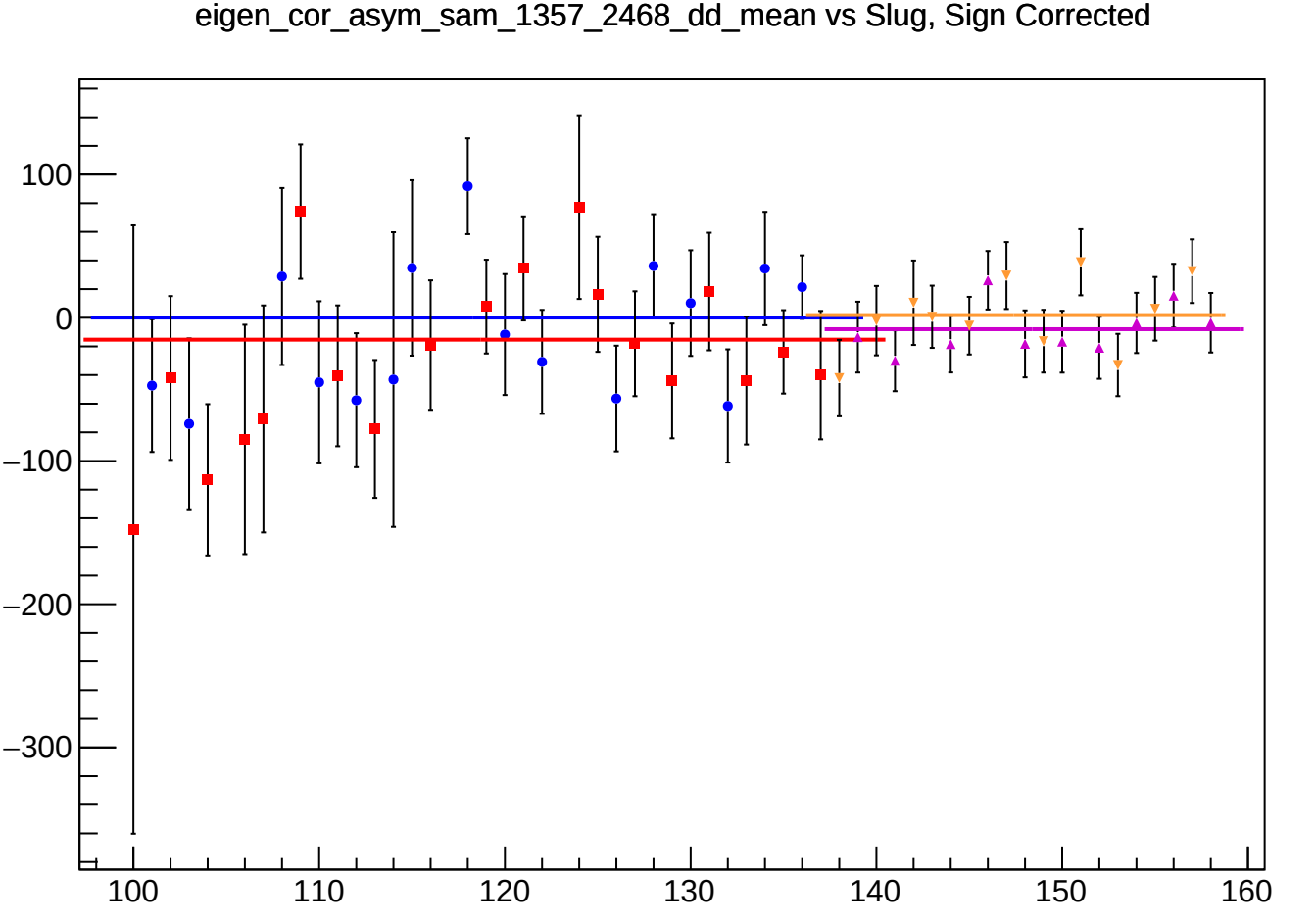
Left: 191.660+/-0.033 χ^2/NDF: 1498668.1/20

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 221.350+/-0.042 χ^2/NDF:3920793.3/25

Out: 225.237+/-0.043 χ^2/NDF:4259878.3/29

All: 223.260+/-0.030 χ^2/NDF: 8184862.7/55



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.854+/-6.932 χ^2/NDF:12.1/10

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.987+/-6.821 χ^2/NDF:6.1/9

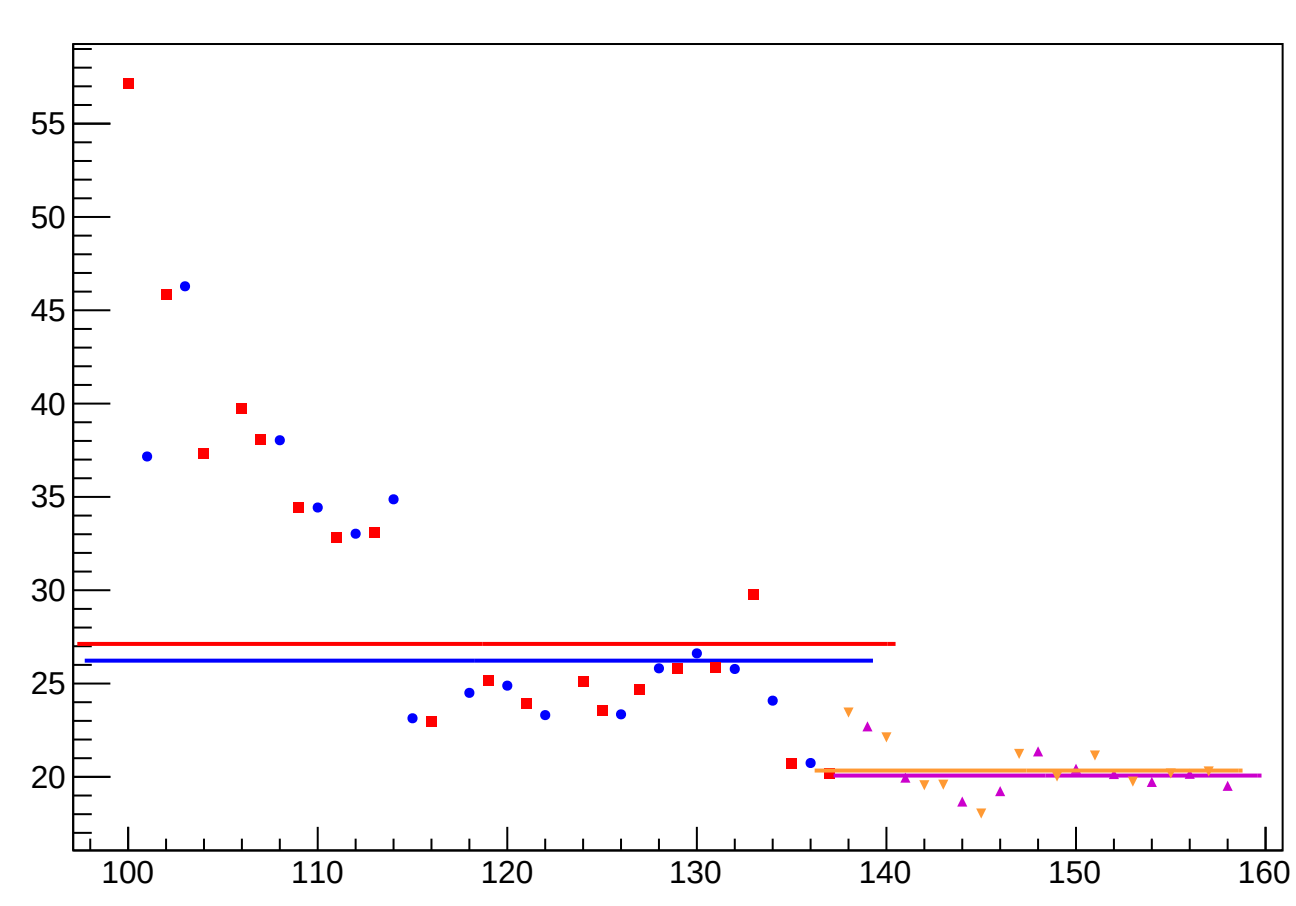
Left: -3.146+/-4.862 χ^2/NDF: 19.3/20

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.418+/-5.643 χ^2/NDF:27.9/25

Out: -3.514+/-5.746 χ^2/NDF:32.0/29

All: -4.483+/-4.026 χ^2/NDF: 59.9/55



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.338+/-0.005 χ^2/NDF:75340.6/10

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

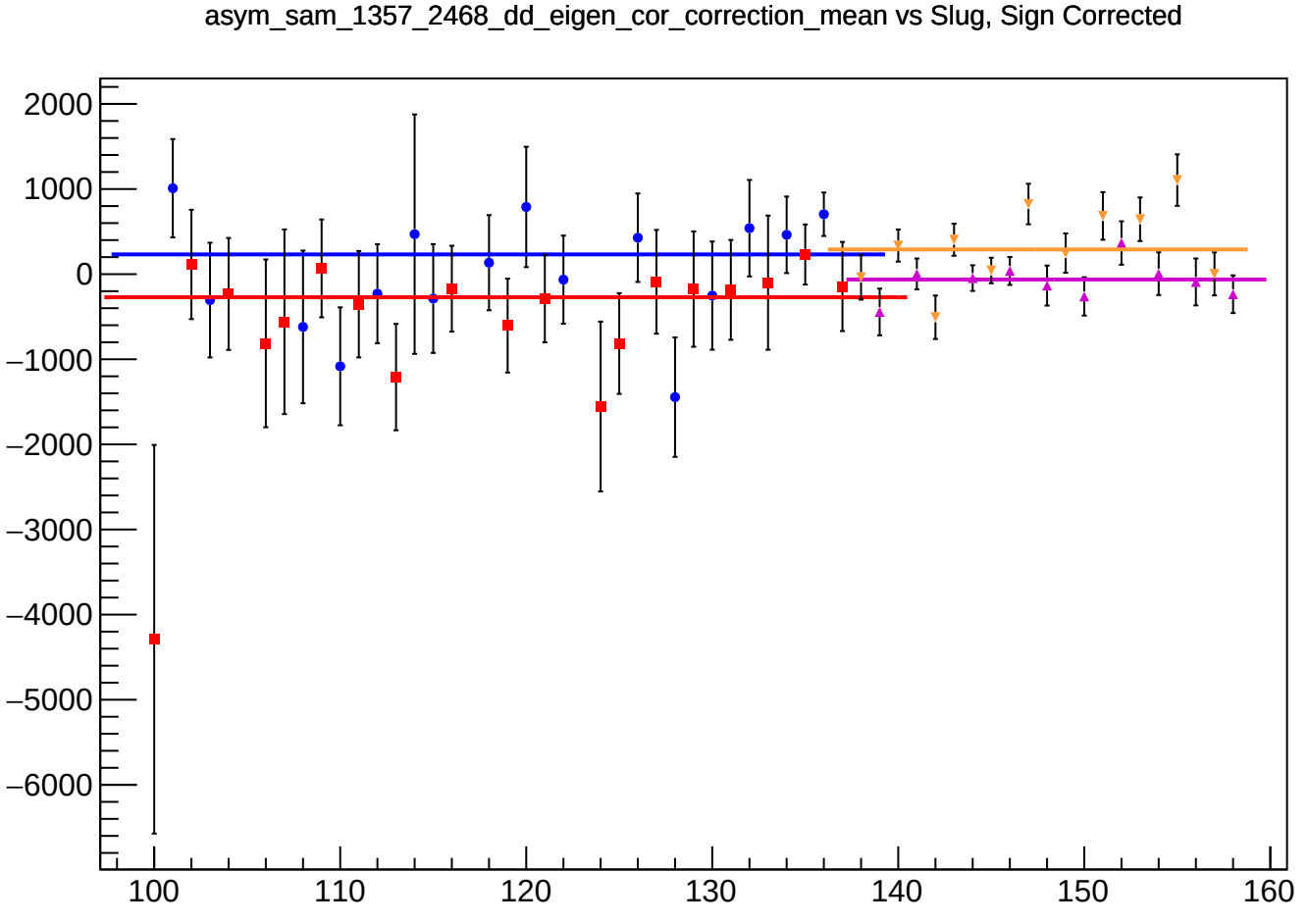
Left: 20.202+/-0.003 χ^2/NDF: 121565.9/20

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

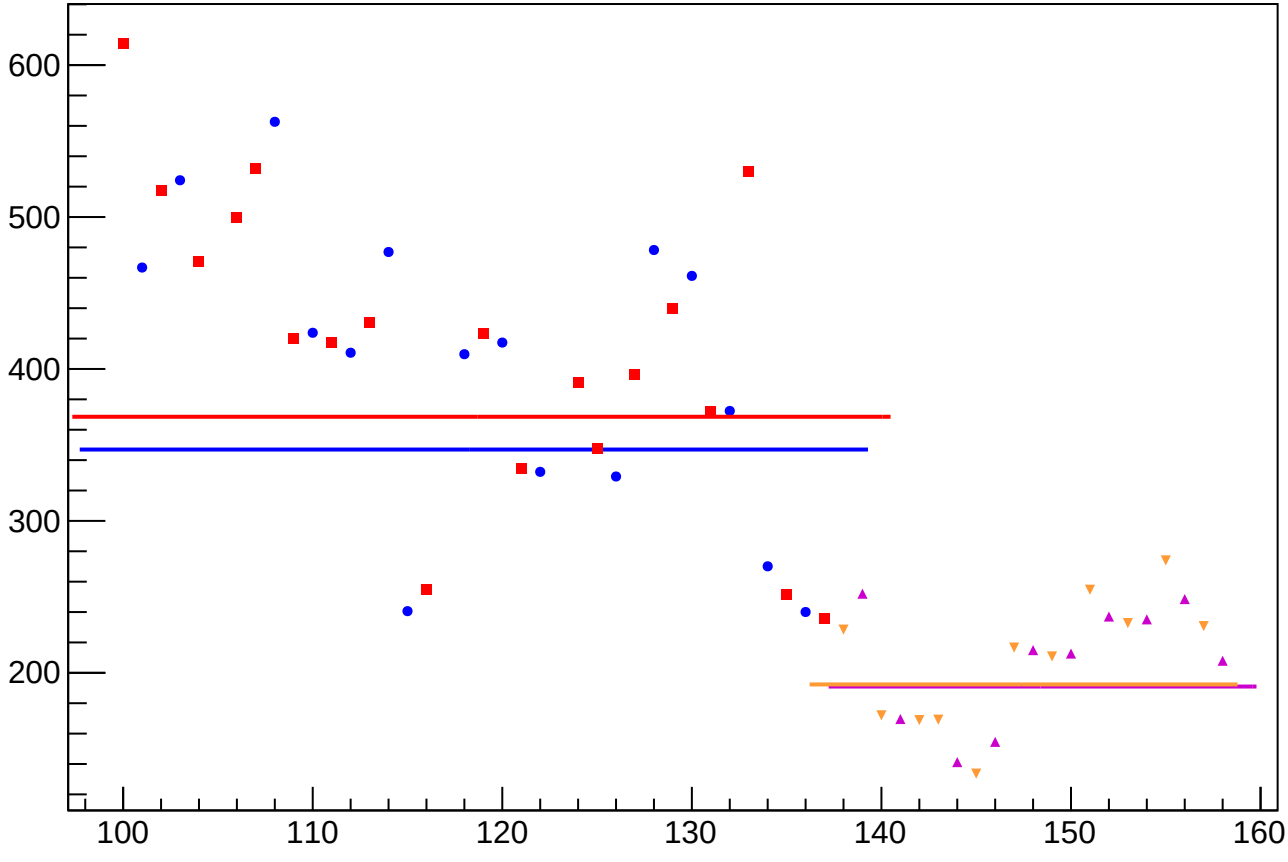
In: 22.012+/-0.004 χ^2/NDF:1234893.9/25

Out: 22.463+/-0.004 χ^2/NDF:1420846.4/29

All: 22.233+/-0.003 χ^2/NDF: 2662003.3/55


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 290.130+/-67.145 χ²/NDF:31.9/10
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -63.051+/-66.316 χ²/NDF:6.8/9
Left: 111.346+/-47.183 χ²/NDF: 52.8/20
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: -5.588+/-59.511 χ²/NDF:30.3/25
Out: 185.339+/-60.557 χ²/NDF:56.6/29
All: 88.213+/-42.446 χ²/NDF: 92.0/55

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: 192.359+/-0.047 χ^2/NDF:789999.4/10

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 190.979+/-0.047 χ^2/NDF:708241.3/9

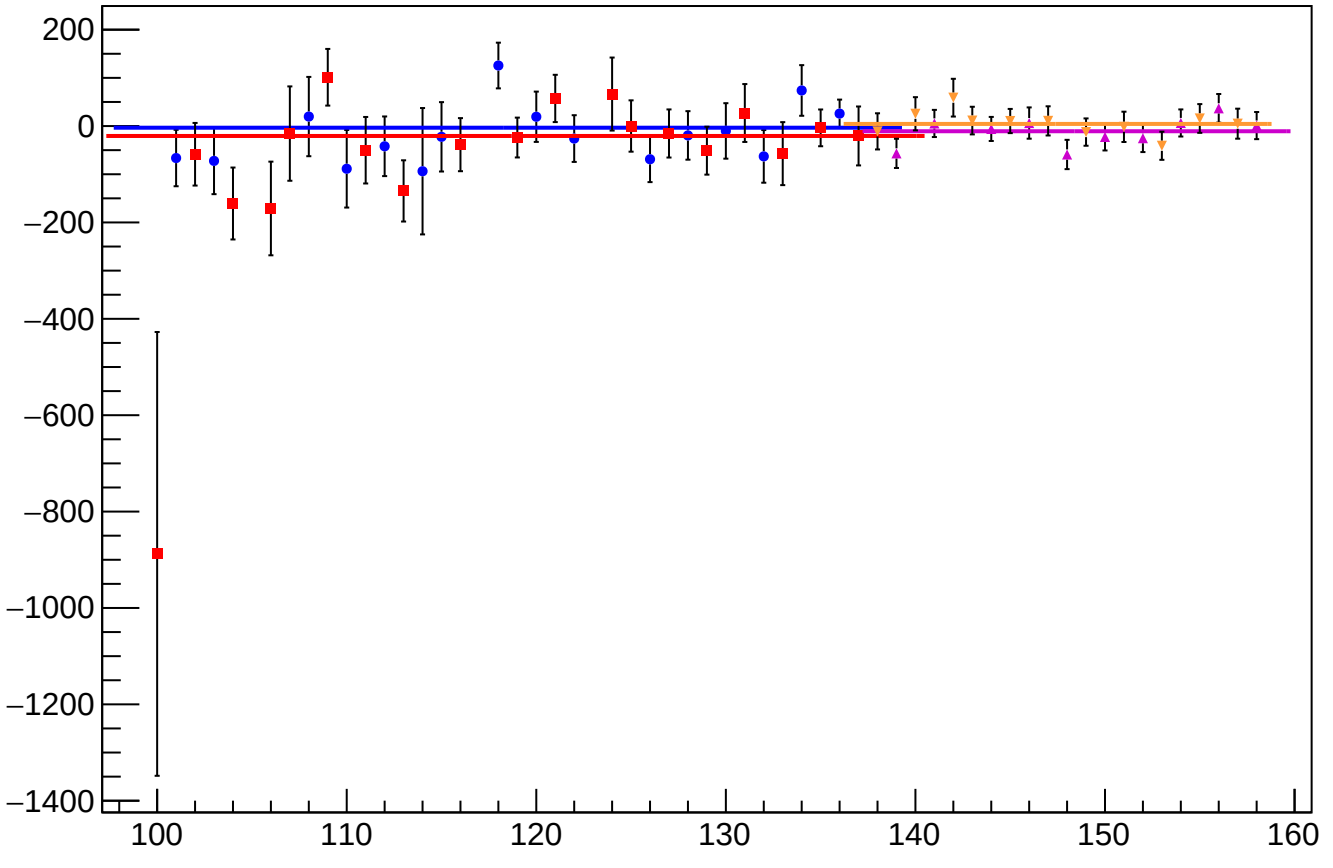
Left: 191.660+/-0.033 χ^2/NDF: 1498668.1/20

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 221.350+/-0.042 χ^2/NDF:3920793.3/25

Out: 225.237+/-0.043 χ^2/NDF:4259878.3/29

All: 223.260+/-0.030 χ^2/NDF: 8184862.7/55



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 4.421+/-9.252 χ^2/NDF:5.6/10

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.762+/-9.082 χ^2/NDF:9.0/9

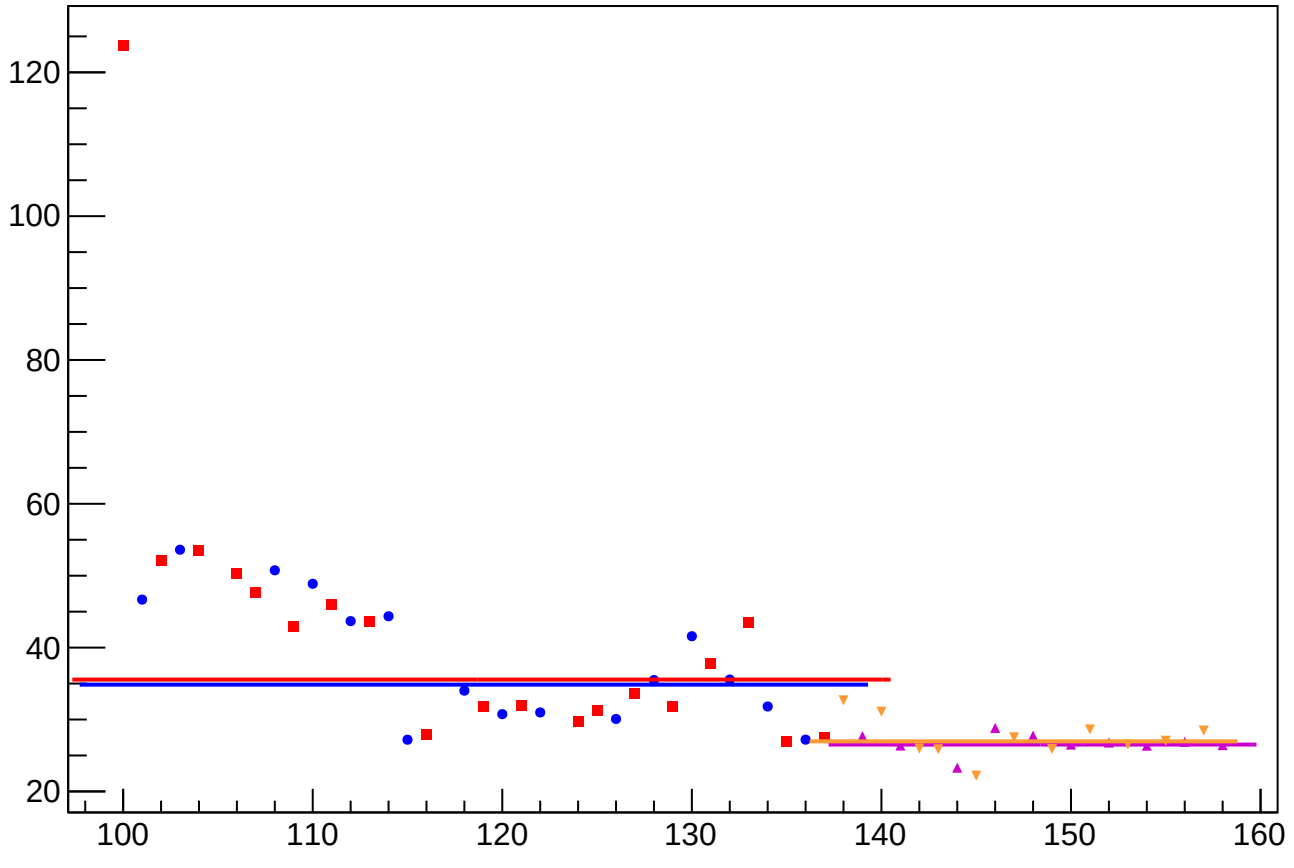
Left: -3.312+/-6.481 χ^2/NDF: 16.0/20

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.451+/-7.516 χ^2/NDF:27.7/25

Out: -3.586+/-7.627 χ^2/NDF:31.1/29

All: -6.054+/-5.354 χ^2/NDF: 58.9/55



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.965+/-0.007 χ^2/NDF:165334.0/10

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.516+/-0.006 χ^2/NDF:50213.7/9

Left: 26.736+/-0.005 χ^2/NDF: 217942.3/20

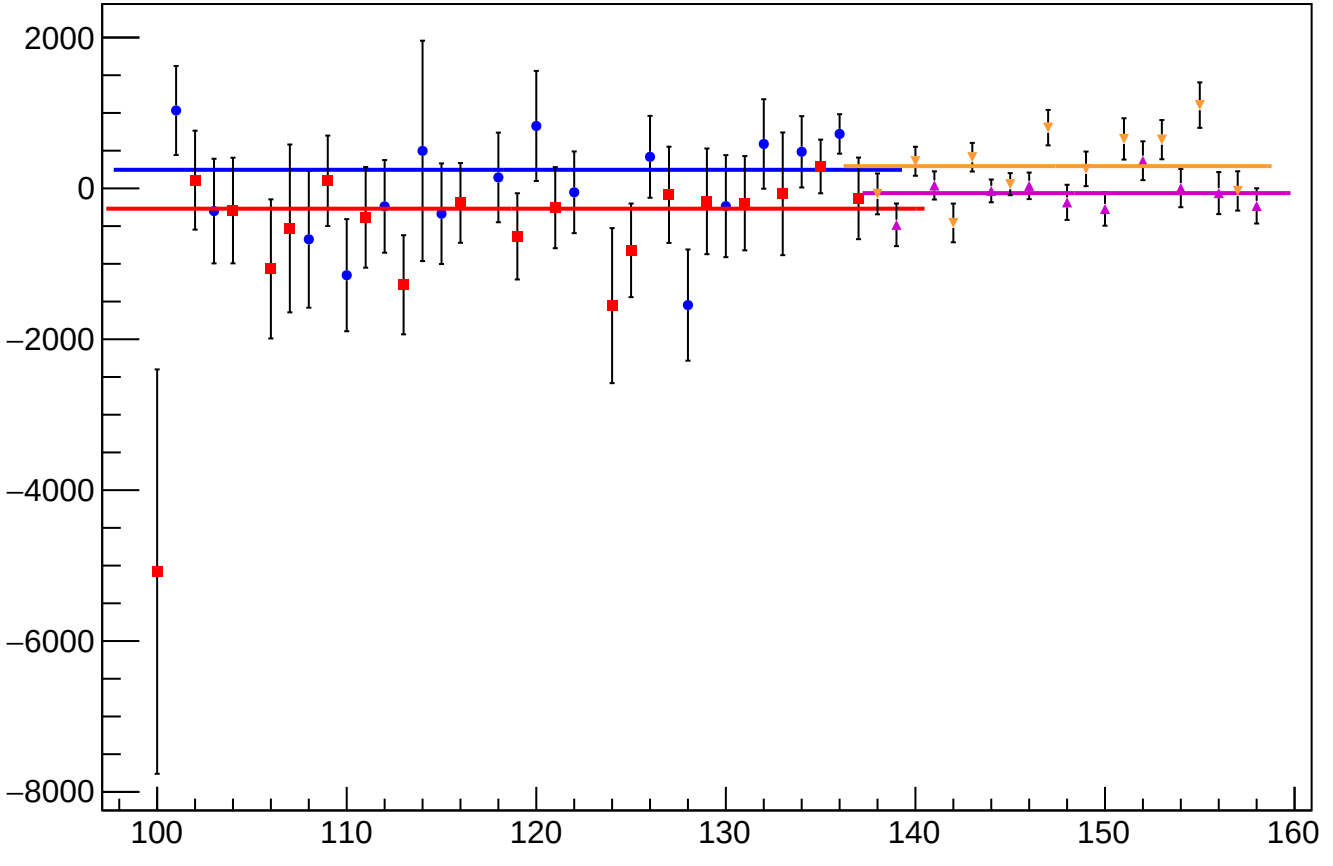
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.141+/-0.005 χ^2/NDF:1238943.8/25

Out: 29.716+/-0.005 χ^2/NDF:1497347.1/29

All: 29.425+/-0.004 χ^2/NDF: 2742061.5/55

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 295.071+/-67.213 χ^2/NDF:30.7/10

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -62.679+/-67.768 χ^2/NDF:7.4/9

Left: 117.668+/-47.722 χ^2/NDF: 52.2/20

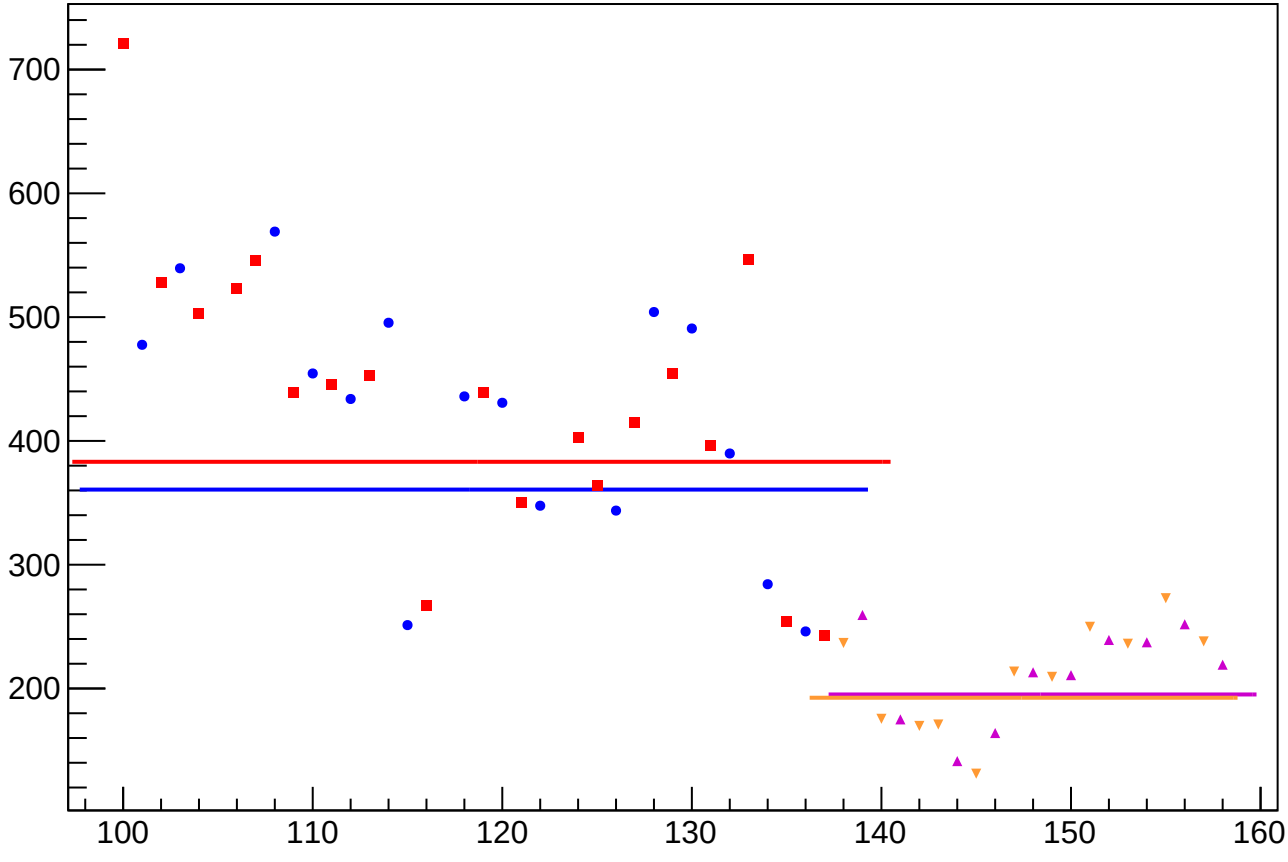
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -4.172+/-61.020 χ^2/NDF:31.1/25

Out: 195.656+/-61.002 χ^2/NDF:55.8/29

All: 95.772+/-43.141 χ^2/NDF: 92.2/55

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 192.534+/-0.048 χ^2/NDF:836434.4/10

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 195.179+/-0.048 χ^2/NDF:682759.7/9

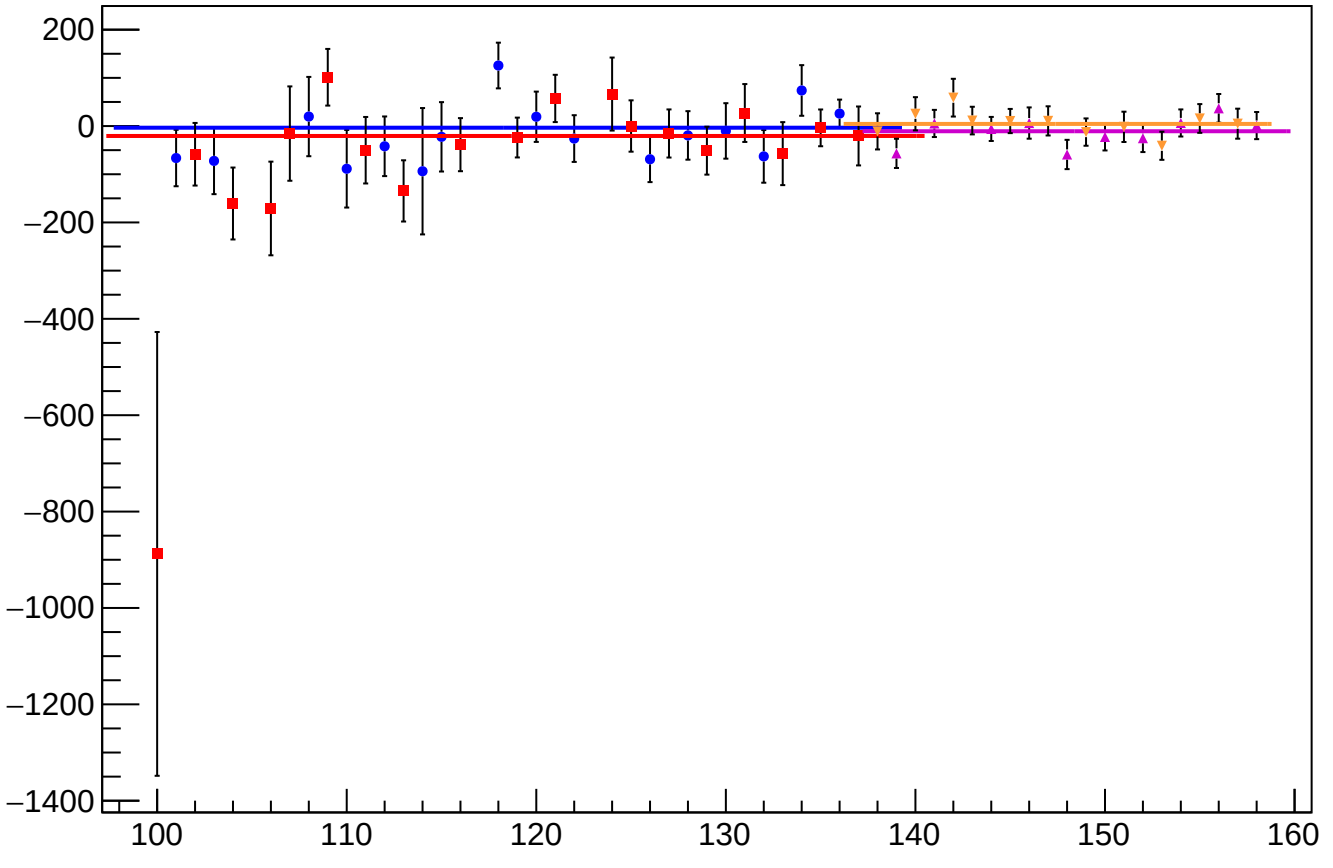
Left: 193.845+/-0.034 χ^2/NDF: 1520729.6/20

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 226.499+/-0.043 χ^2/NDF:4033066.6/25

Out: 226.131+/-0.043 χ^2/NDF:4634510.2/29

All: 226.315+/-0.031 χ^2/NDF: 8667613.1/55



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 4.421+/-9.253 χ^2/NDF:5.6/10

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.762+/-9.082 χ^2/NDF:9.0/9

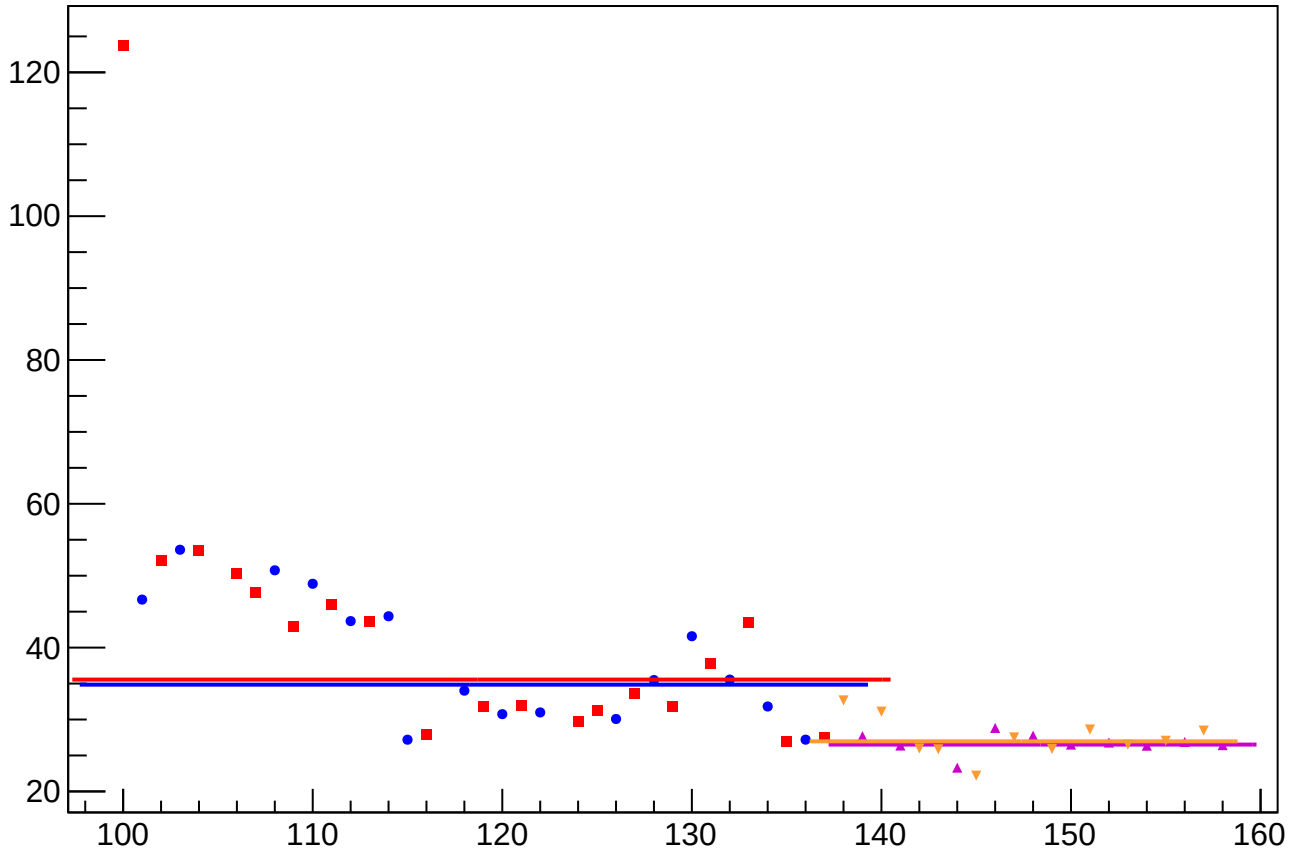
Left: -3.312+/-6.481 χ^2/NDF: 16.0/20

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.451+/-7.516 χ^2/NDF:27.7/25

Out: -3.586+/-7.627 χ^2/NDF:31.1/29

All: -6.054+/-5.354 χ^2/NDF: 58.9/55



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.965+/-0.007 χ^2/NDF:165320.6/10

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.516+/-0.006 χ^2/NDF:50210.3/9

Left: 26.736+/-0.005 χ^2/NDF: 217926.3/20

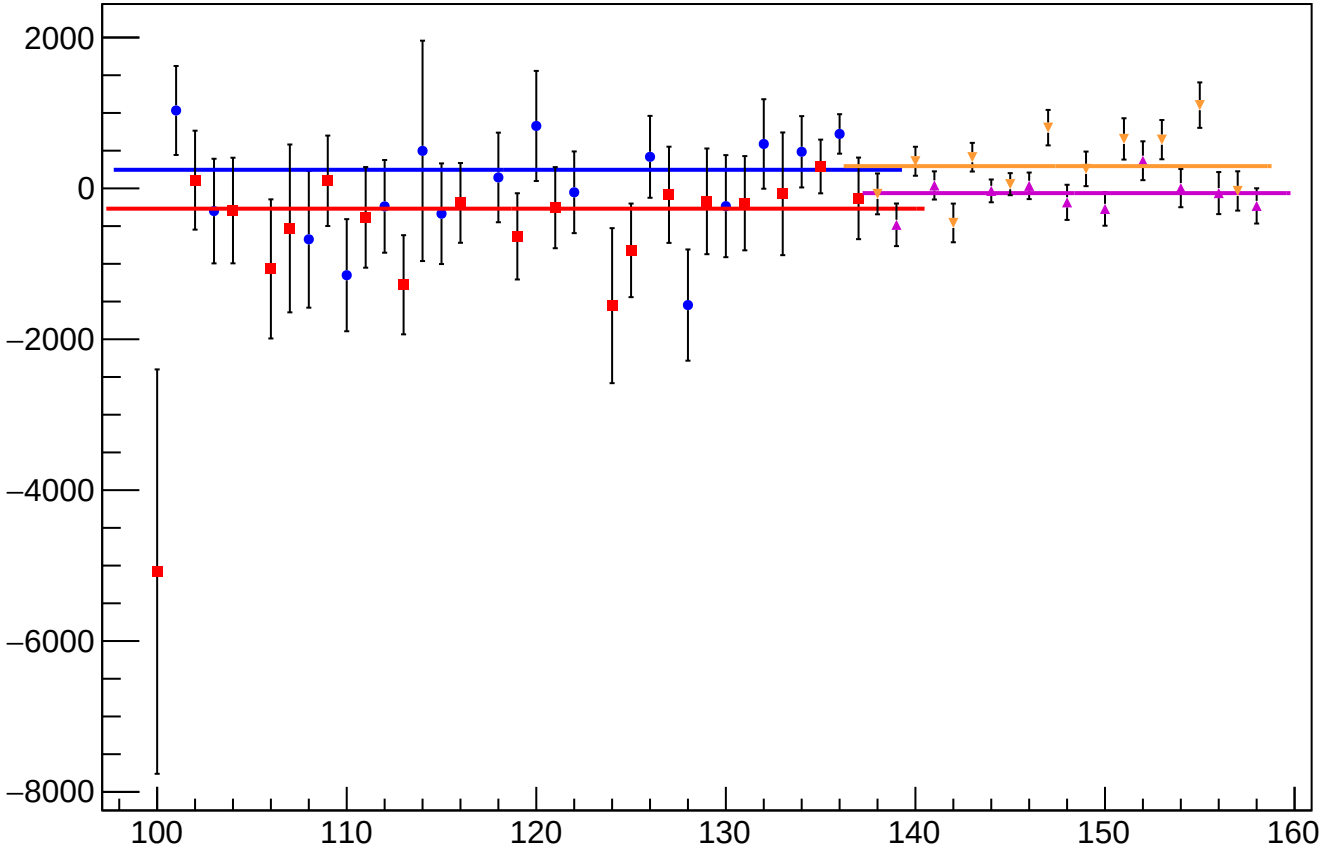
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.141+/-0.005 χ^2/NDF:1238828.7/25

Out: 29.716+/-0.005 χ^2/NDF:1497243.1/29

All: 29.425+/-0.004 χ^2/NDF: 2741843.9/55

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 295.070+/-67.213 χ^2/NDF:30.7/10

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -62.679+/-67.768 χ^2/NDF:7.4/9

Left: 117.667+/-47.722 χ^2/NDF: 52.2/20

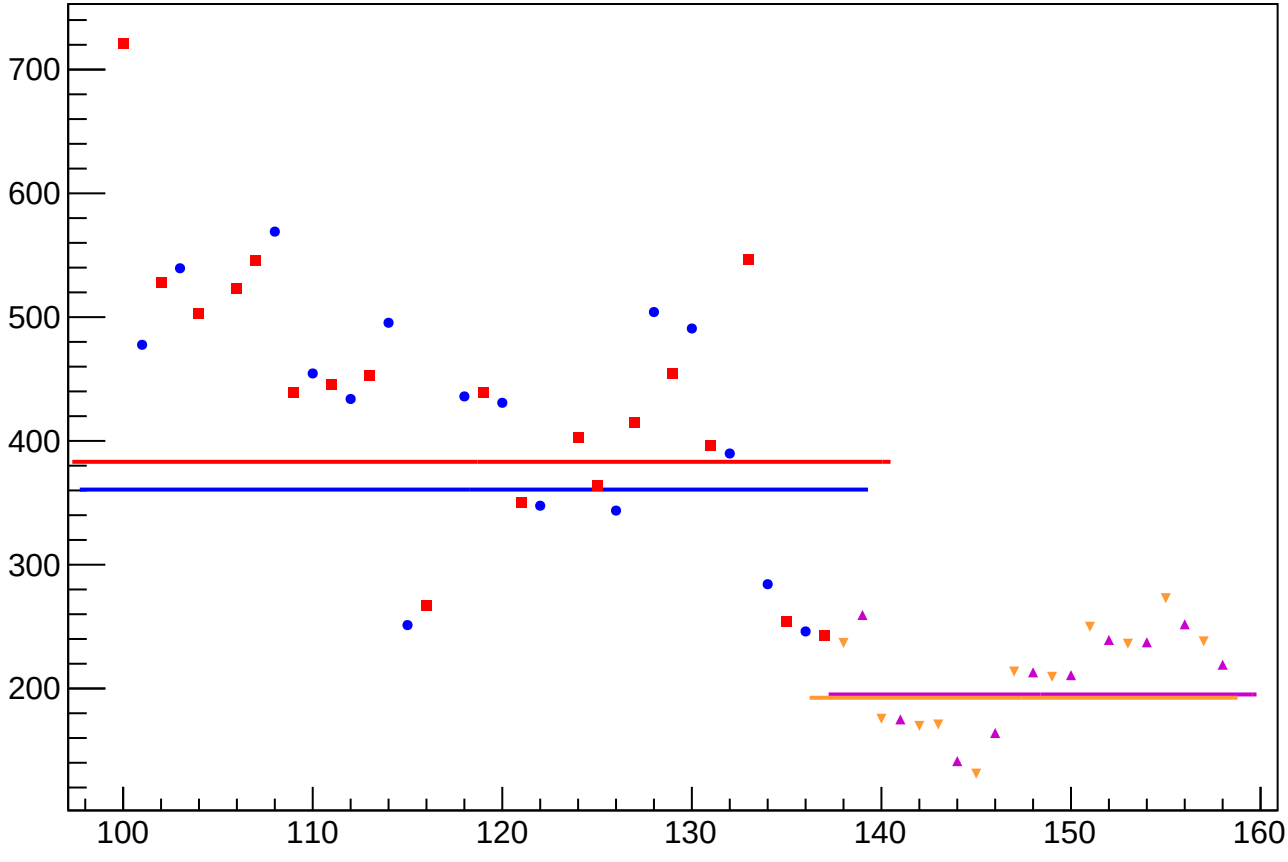
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -4.172+/-61.020 χ^2/NDF:31.1/25

Out: 195.656+/-61.002 χ^2/NDF:55.8/29

All: 95.772+/-43.141 χ^2/NDF: 92.2/55

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: 192.533+/-0.048 χ^2/NDF:836453.3/10

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 195.178+/-0.048 χ^2/NDF:682764.2/9

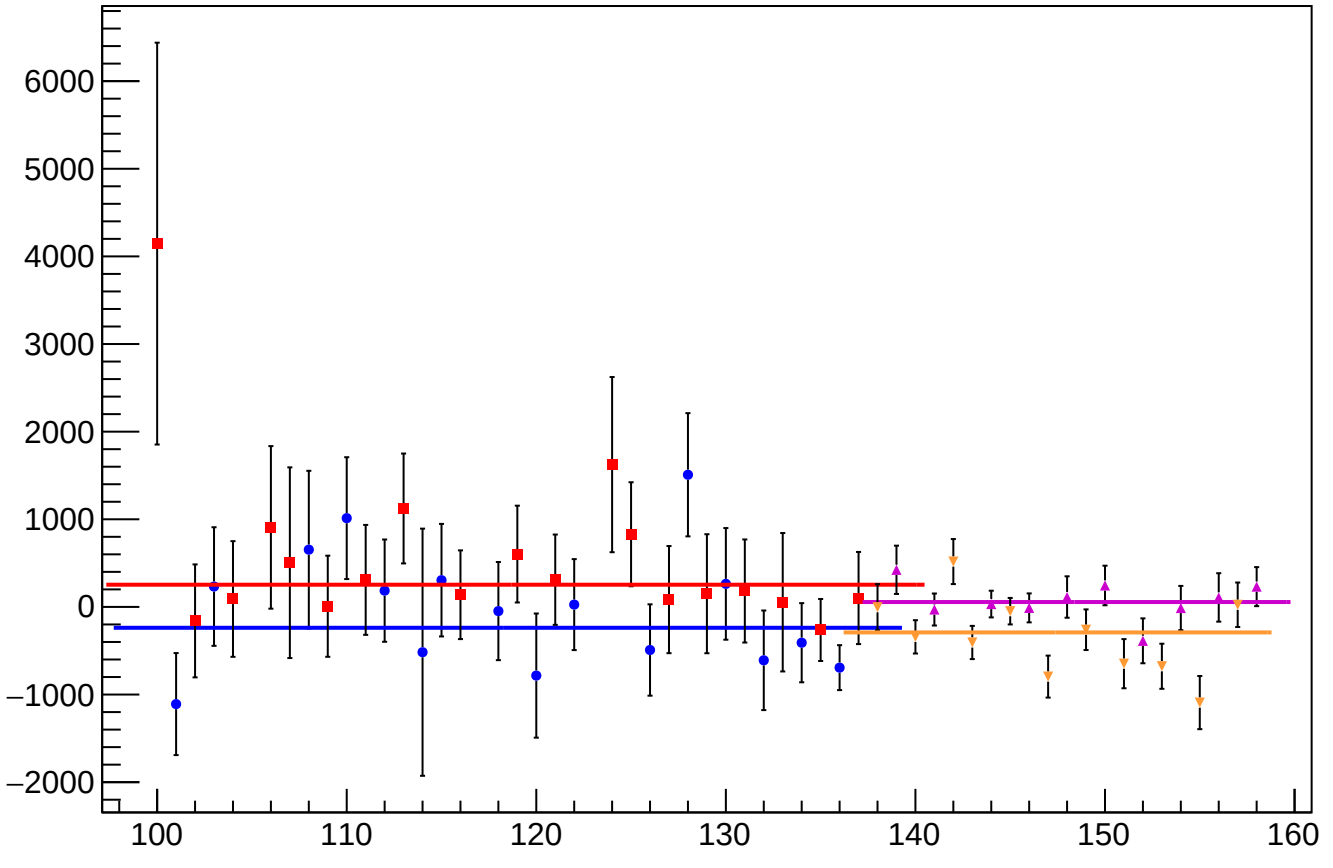
Left: 193.845+/-0.034 χ^2/NDF: 1520753.2/20

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 226.498+/-0.043 χ^2/NDF:4033059.5/25

Out: 226.130+/-0.043 χ^2/NDF:4634528.6/29

All: 226.314+/-0.031 χ^2/NDF: 8667624.5/55



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -290.962+/-67.565 χ^2/NDF:30.9/10

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 55.740+/-66.723 χ^2/NDF:6.7/9

Left: -115.438+/-47.475 χ^2/NDF: 50.9/20

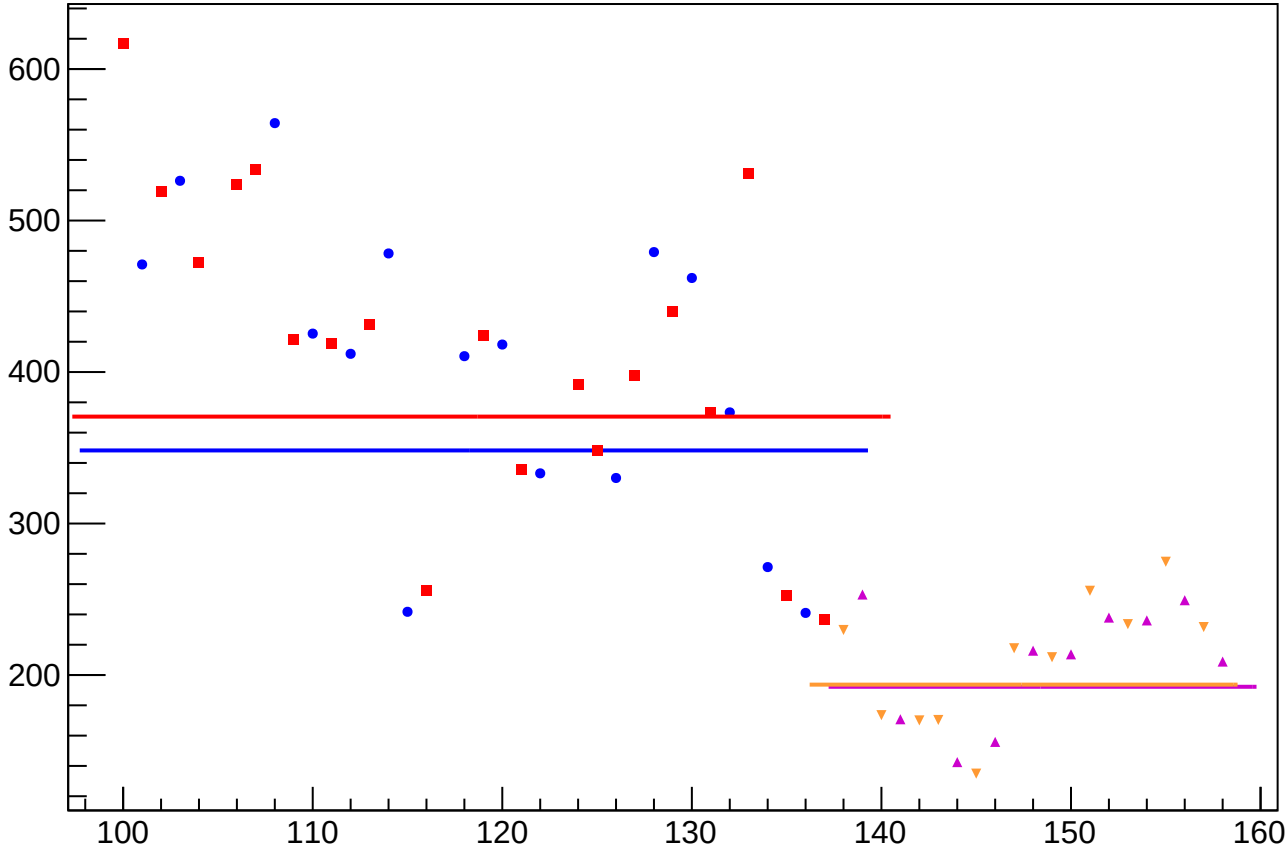
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -1.698+/-59.847 χ^2/NDF:30.4/25

Out: -188.609+/-60.883 χ^2/NDF:54.8/29

All: -93.548+/-42.680 χ^2/NDF: 90.0/55

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 193.662+/-0.048 χ^2/NDF:774971.6/10

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.243+/-0.047 χ^2/NDF:694146.9/9

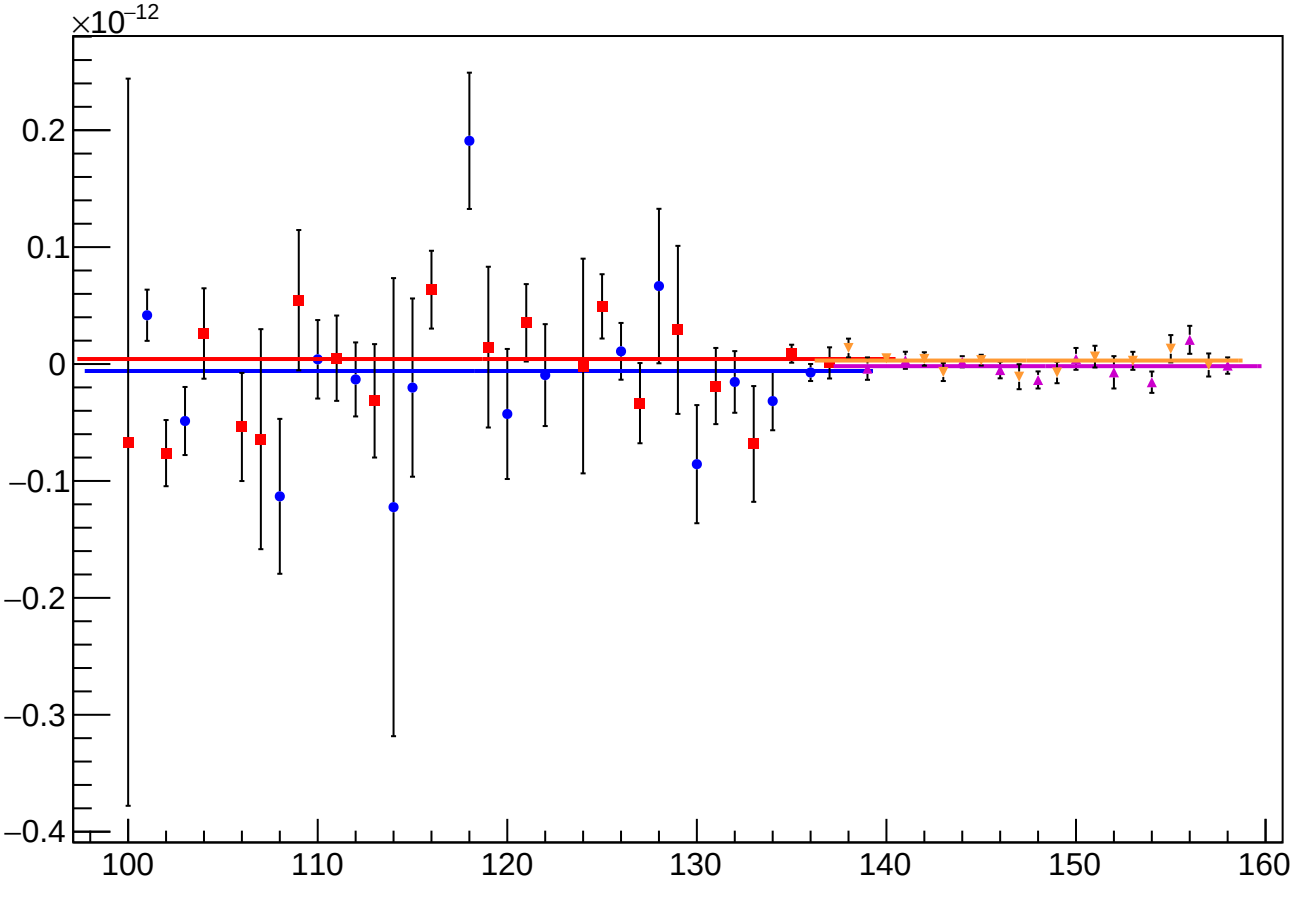
Left: 192.944+/-0.034 χ^2/NDF: 1469565.3/20

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 222.744+/-0.042 χ^2/NDF:3888655.6/25

Out: 226.925+/-0.043 χ^2/NDF:4271168.1/29

All: 224.799+/-0.030 χ^2/NDF: 8164620.4/55



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/9

Left: 0.000+/-0.000 χ^2/NDF: 20.2/20

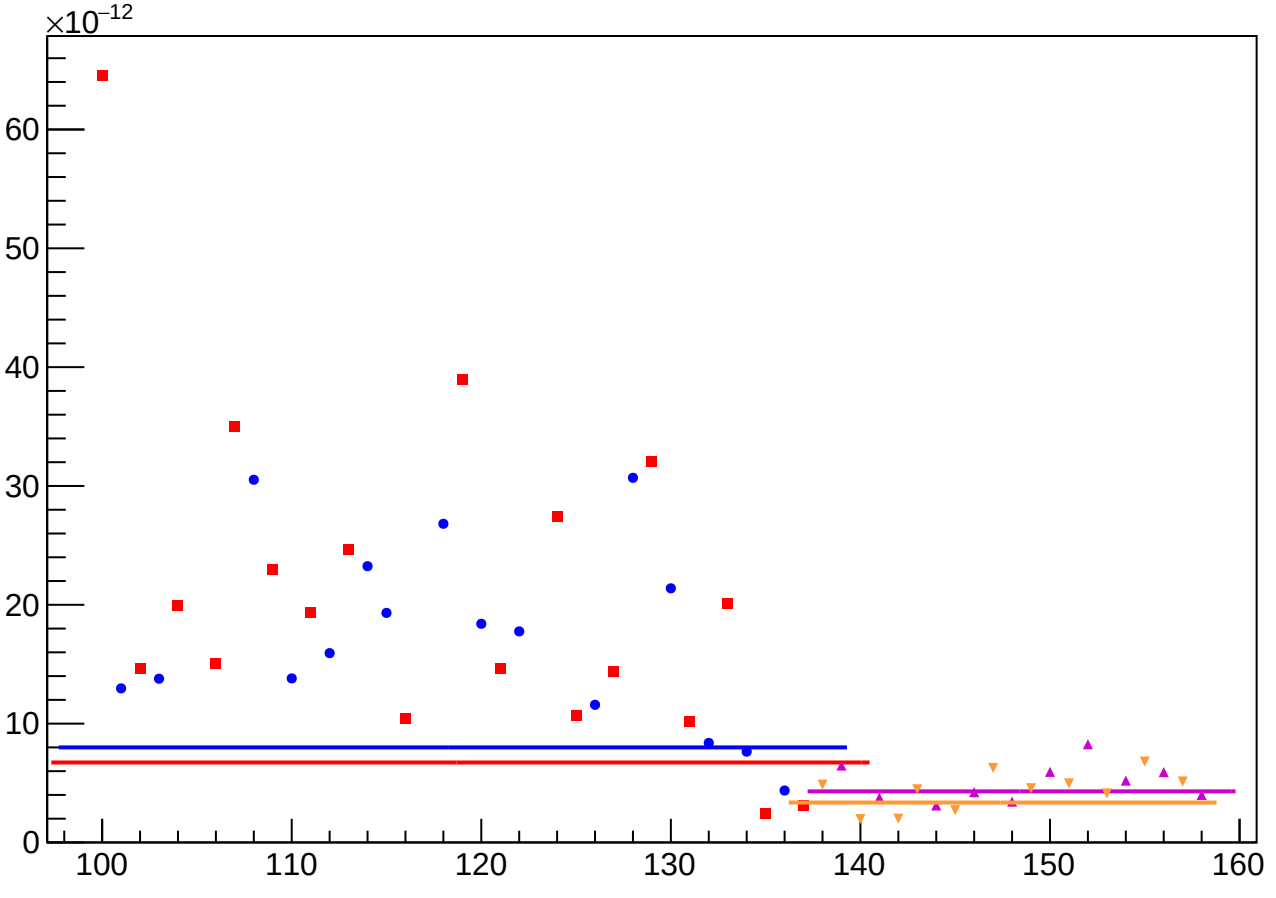
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:38.1/25

Out: 0.000+/-0.000 χ^2/NDF:30.6/29

All: 0.000+/-0.000 χ^2/NDF: 72.3/55

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1000806.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:551401.7/9

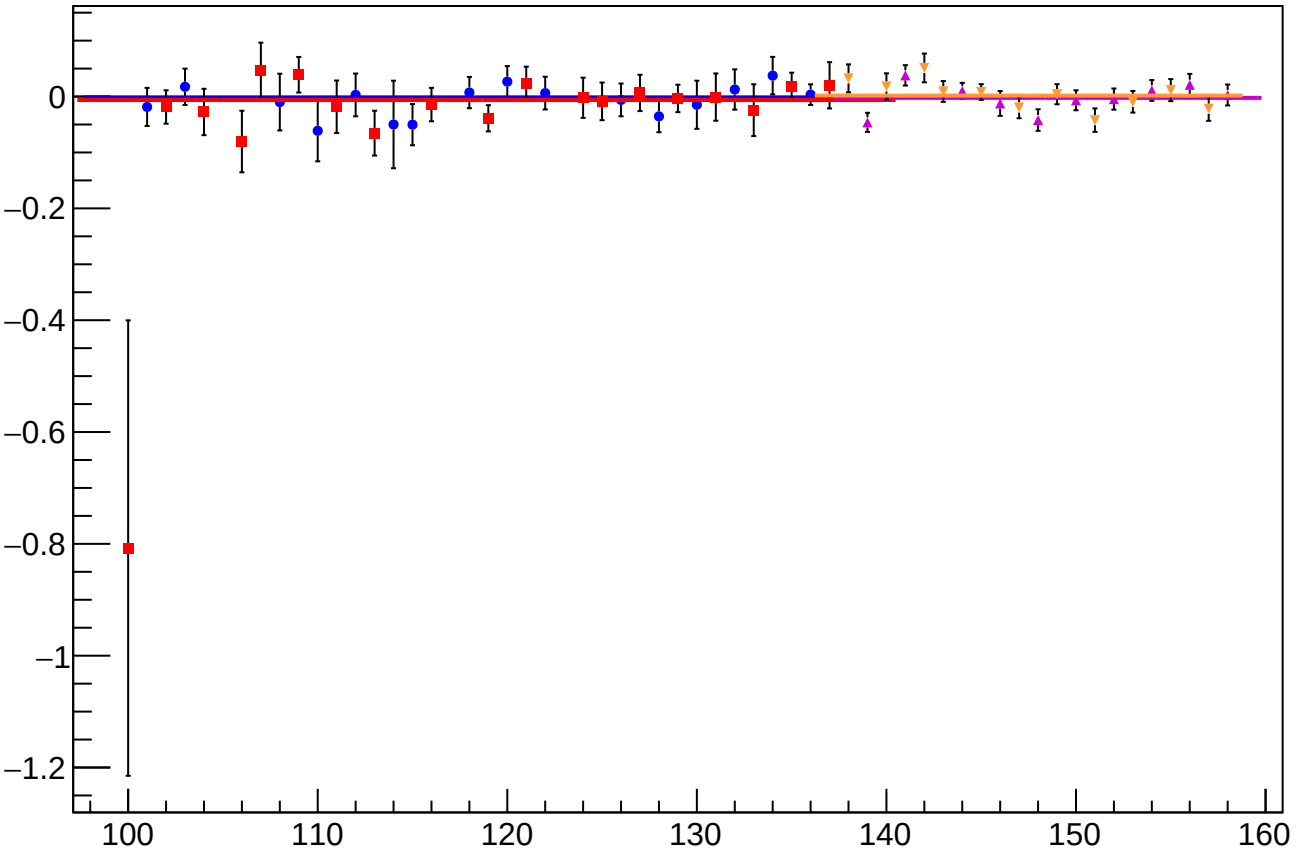
Left: 0.000+/-0.000 χ^2/NDF: 1726655.4/20

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3215100.5/25

Out: 0.000+/-0.000 χ^2/NDF:5028089.0/29

All: 0.000+/-0.000 χ^2/NDF: 8525947.1/55



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.006 χ^2/NDF:18.7/9

Left: -0.000+/-0.004 χ^2/NDF: 32.4/20

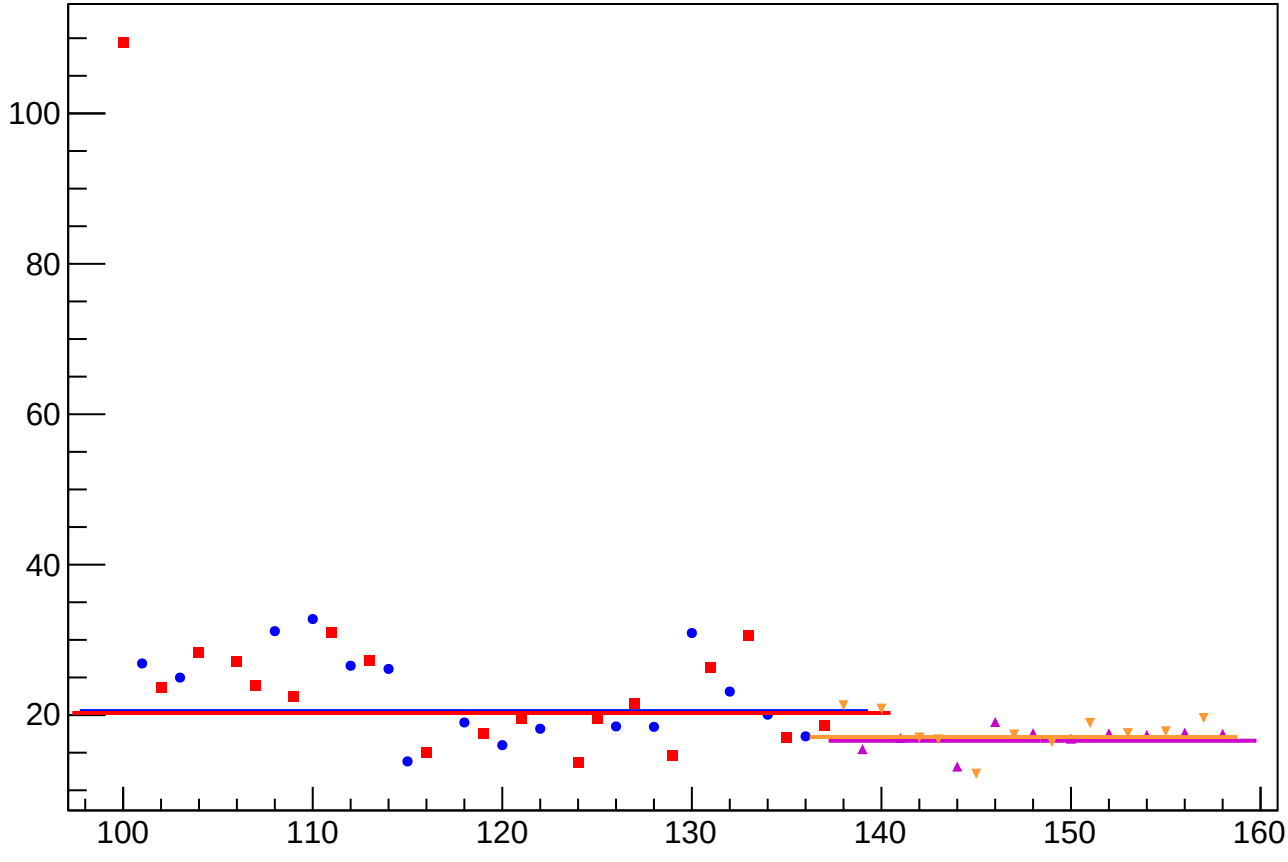
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.005 χ^2/NDF:27.0/25

Out: -0.001+/-0.005 χ^2/NDF:30.3/29

All: -0.002+/-0.003 χ^2/NDF: 57.4/55

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: 17.078+/-0.004 χ^2/NDF:398801.4/10

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.587+/-0.004 χ^2/NDF:173365.3/9

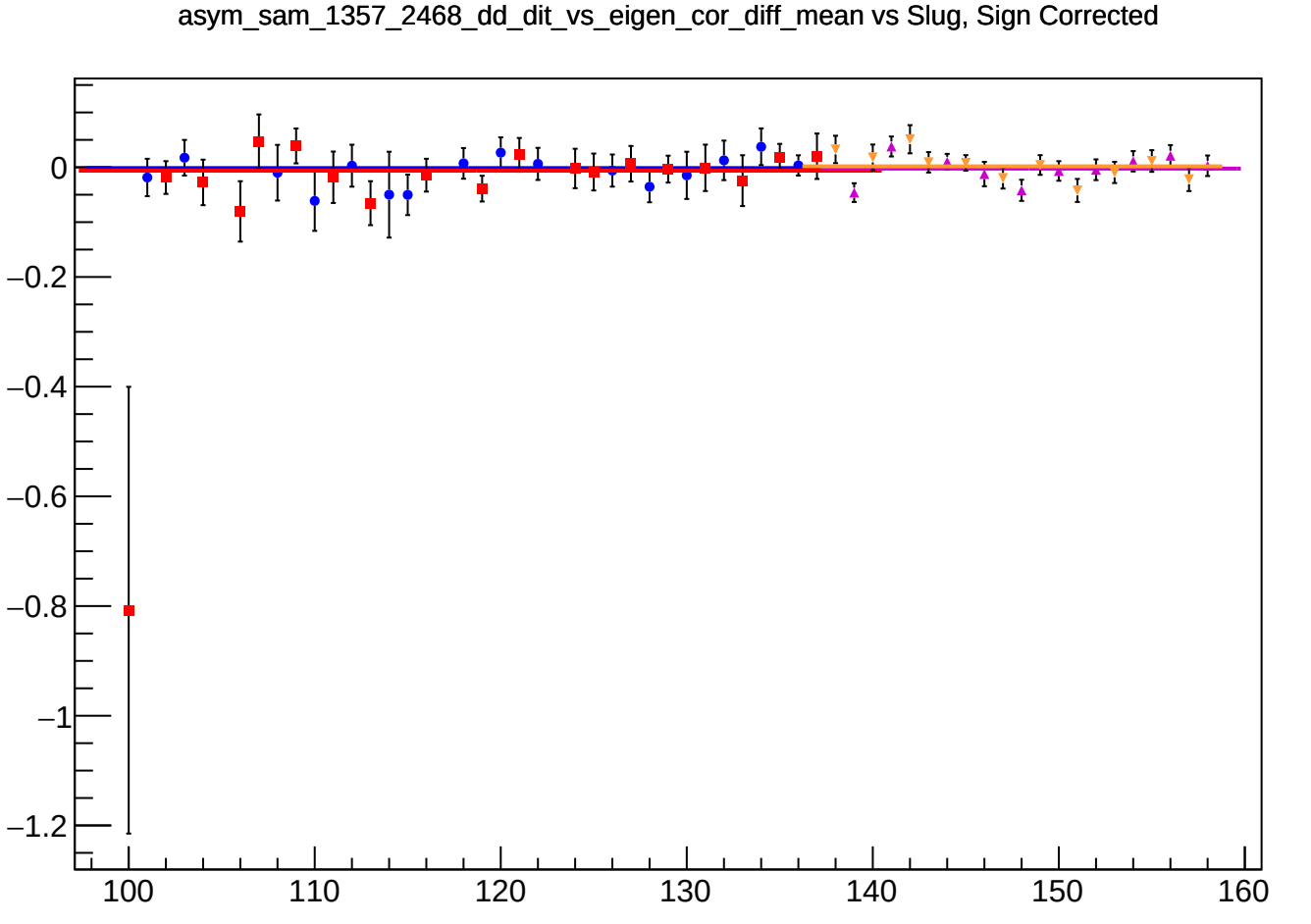
Left: 16.824+/-0.003 χ^2/NDF: 579226.5/20

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.913+/-0.003 χ^2/NDF:1195369.1/25

Out: 18.240+/-0.003 χ^2/NDF:1473642.0/29

All: 18.074+/-0.002 χ^2/NDF: 2673819.9/55



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.006 χ^2/NDF:18.7/9

Left: -0.000+/-0.004 χ^2/NDF: 32.4/20

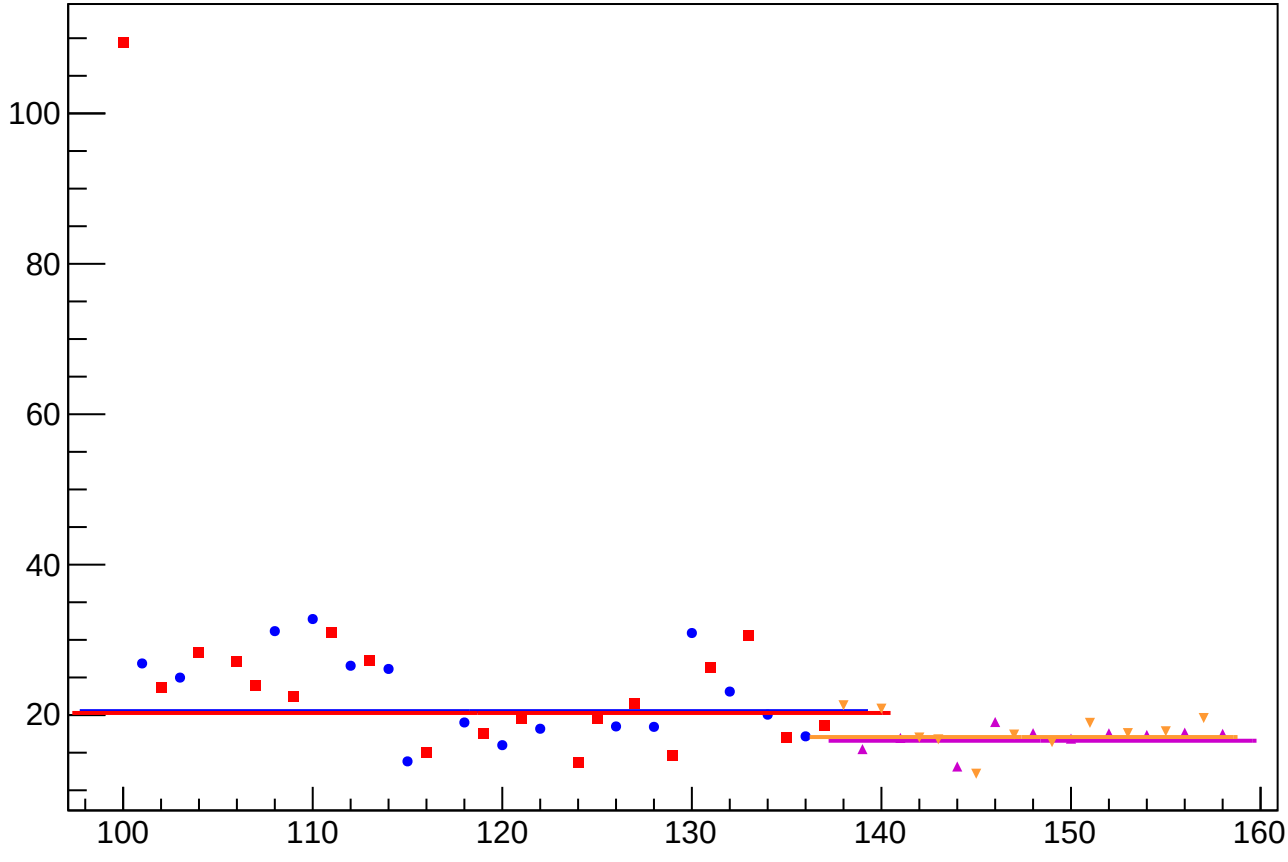
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.005 χ^2/NDF:27.0/25

Out: -0.001+/-0.005 χ^2/NDF:30.3/29

All: -0.002+/-0.003 χ^2/NDF: 57.4/55

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: 17.078+/-0.004 χ^2/NDF:398801.4/10

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.587+/-0.004 χ^2/NDF:173365.3/9

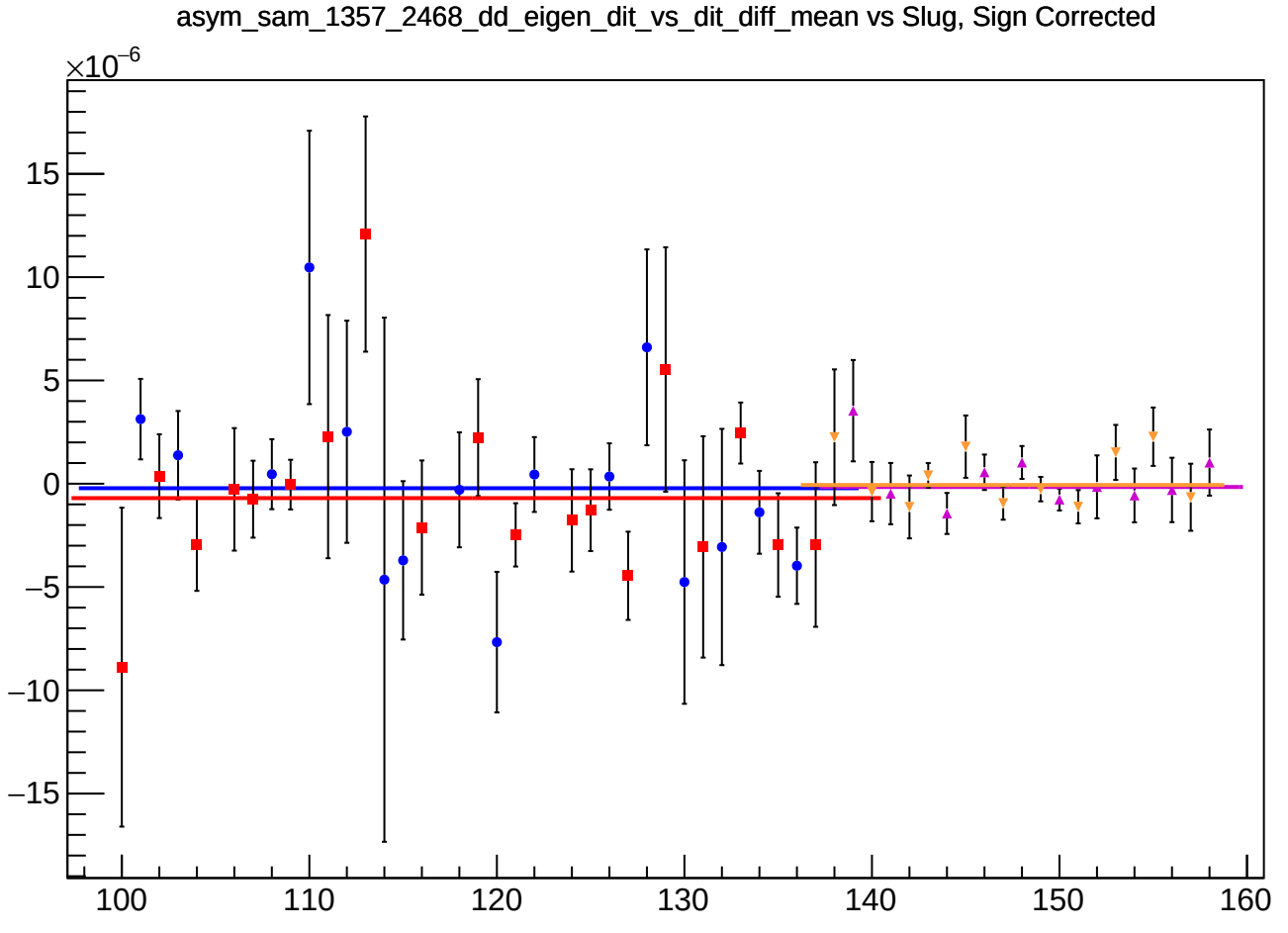
Left: 16.824+/-0.003 χ^2/NDF: 579226.5/20

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.913+/-0.003 χ^2/NDF:1195369.1/25

Out: 18.240+/-0.003 χ^2/NDF:1473642.0/29

All: 18.074+/-0.002 χ^2/NDF: 2673819.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

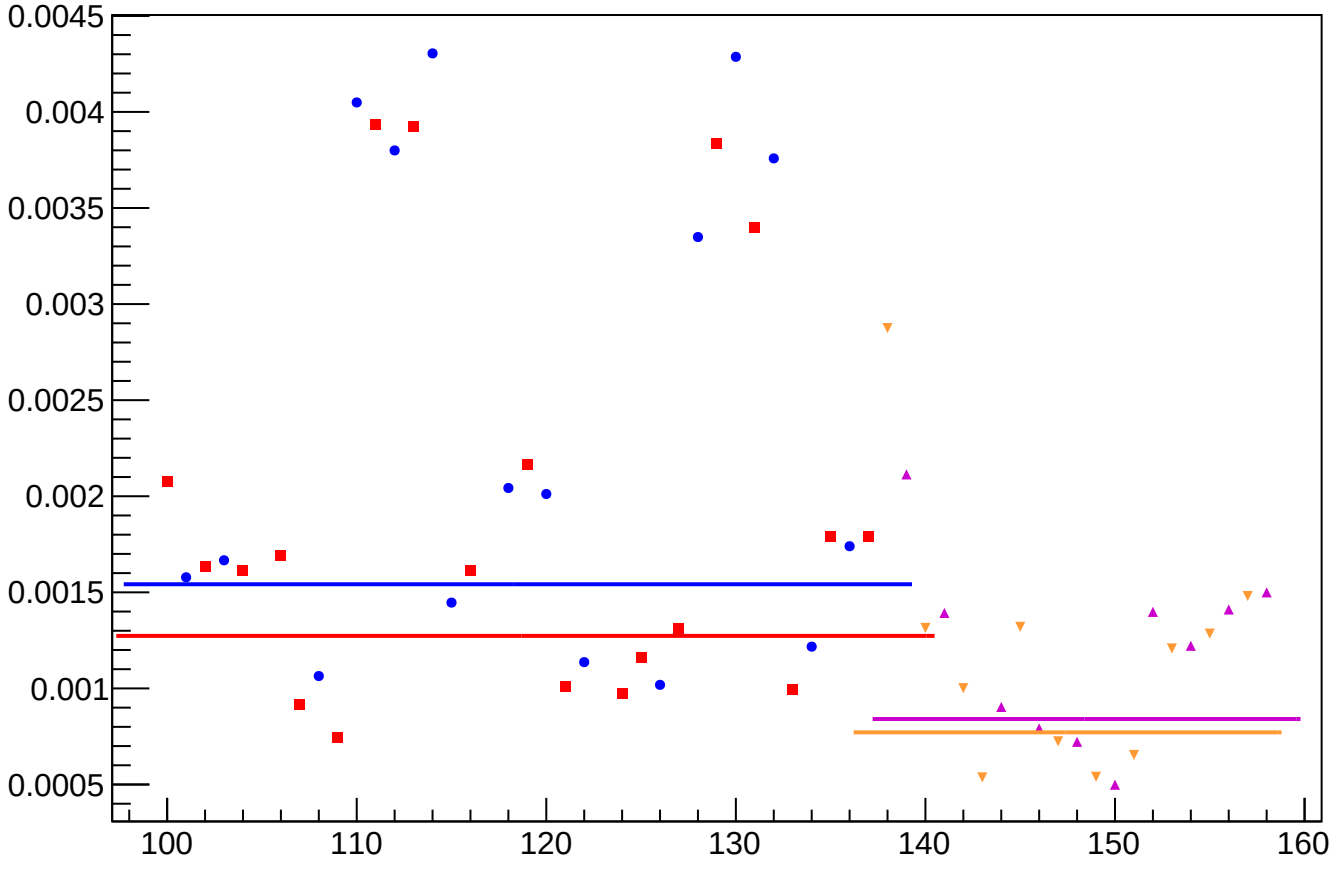
Left: -0.000+/-0.000 χ^2/NDF: 19.4/20

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:28.8/25

Out: -0.000+/-0.000 χ^2/NDF:32.6/29

All: -0.000+/-0.000 χ^2/NDF: 61.4/55



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2942449.8/10

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2759824.7/9

Left: 0.001+/-0.000 χ^2/NDF: 5754274.3/20

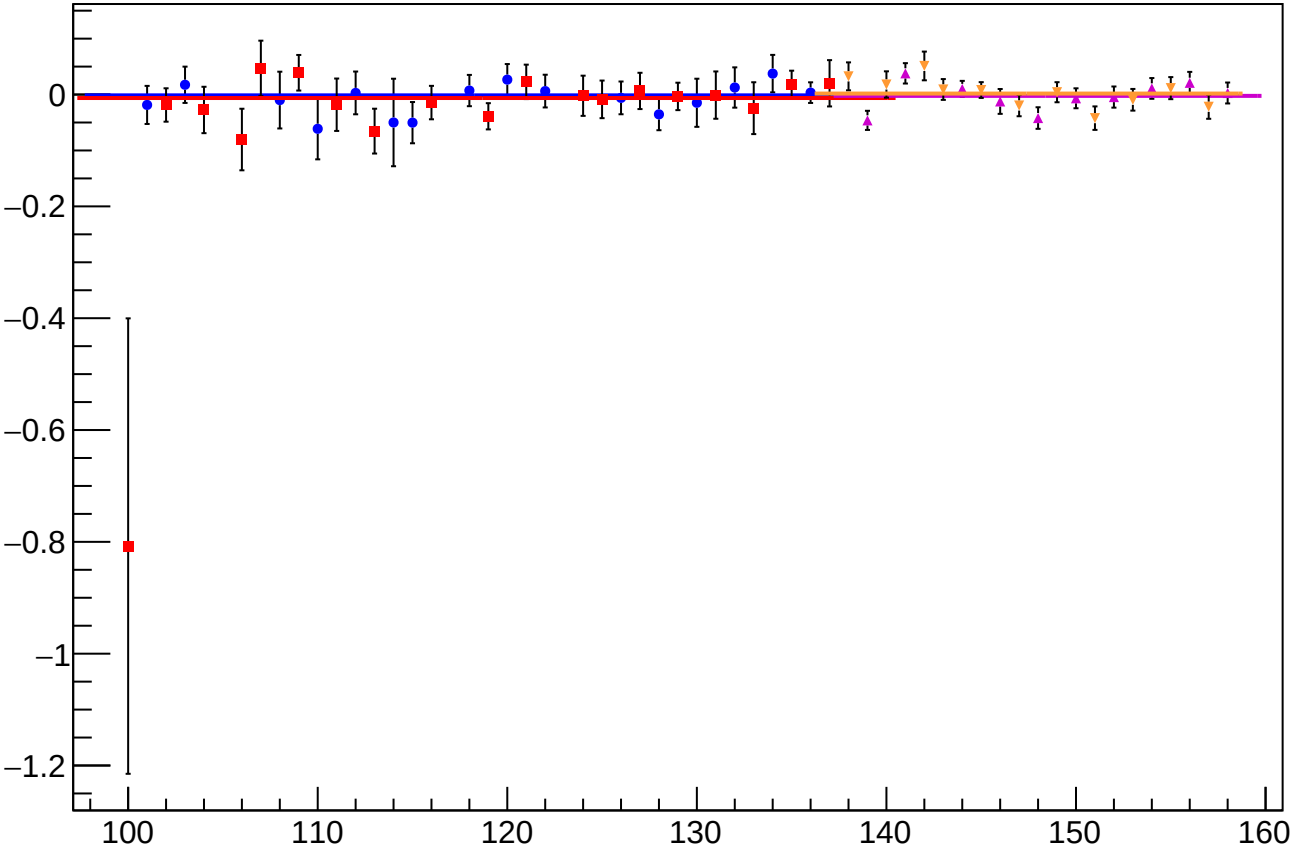
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:7151953.4/25

Out: 0.001+/-0.000 χ^2/NDF:7008416.8/29

All: 0.001+/-0.000 χ^2/NDF: 14274432.8/55

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.006 χ^2/NDF:18.7/9

Left: -0.000+/-0.004 χ^2/NDF: 32.4/20

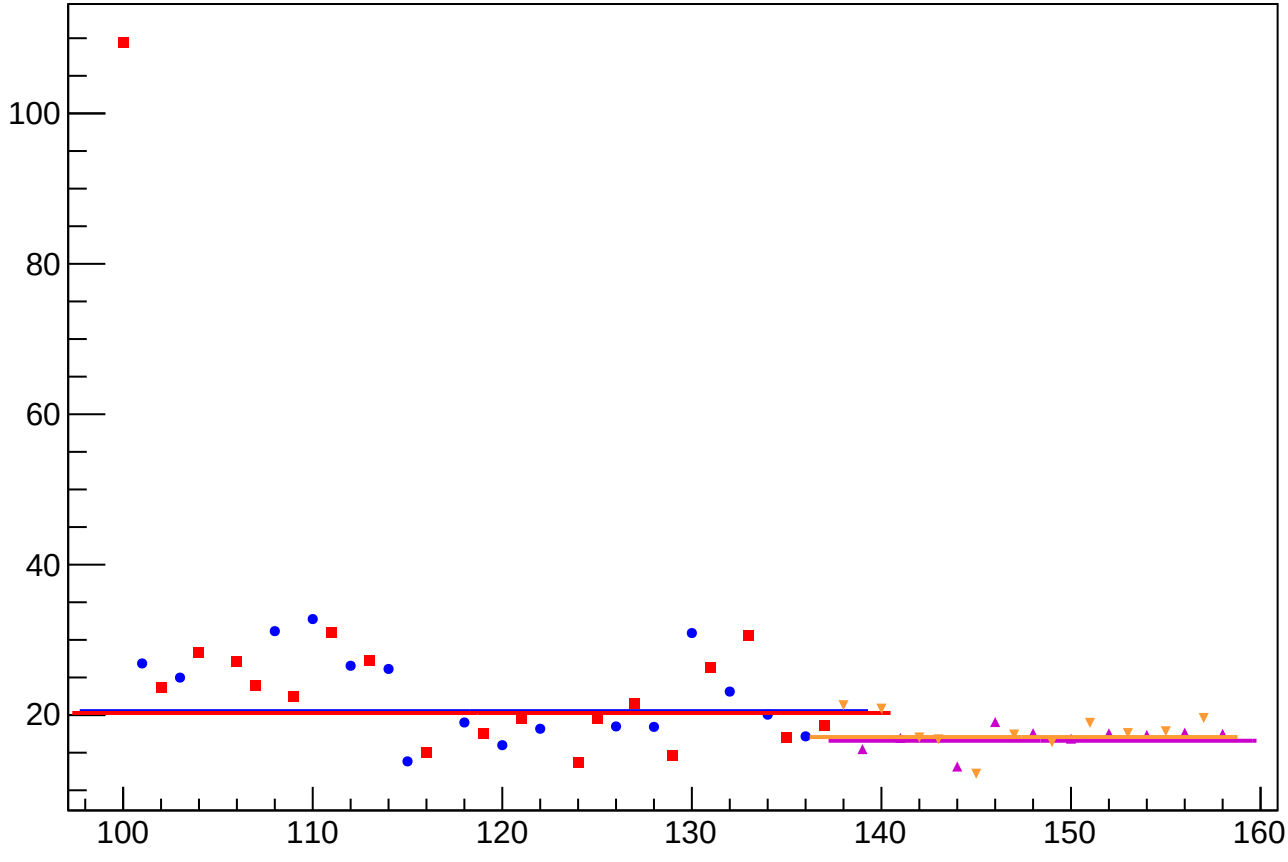
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.005 χ^2/NDF:27.0/25

Out: -0.001+/-0.005 χ^2/NDF:30.3/29

All: -0.002+/-0.003 χ^2/NDF: 57.4/55

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: 17.079+/-0.004 χ^2/NDF:398748.2/10

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.587+/-0.004 χ^2/NDF:173380.3/9

Left: 16.824+/-0.003 χ^2/NDF: 579193.7/20

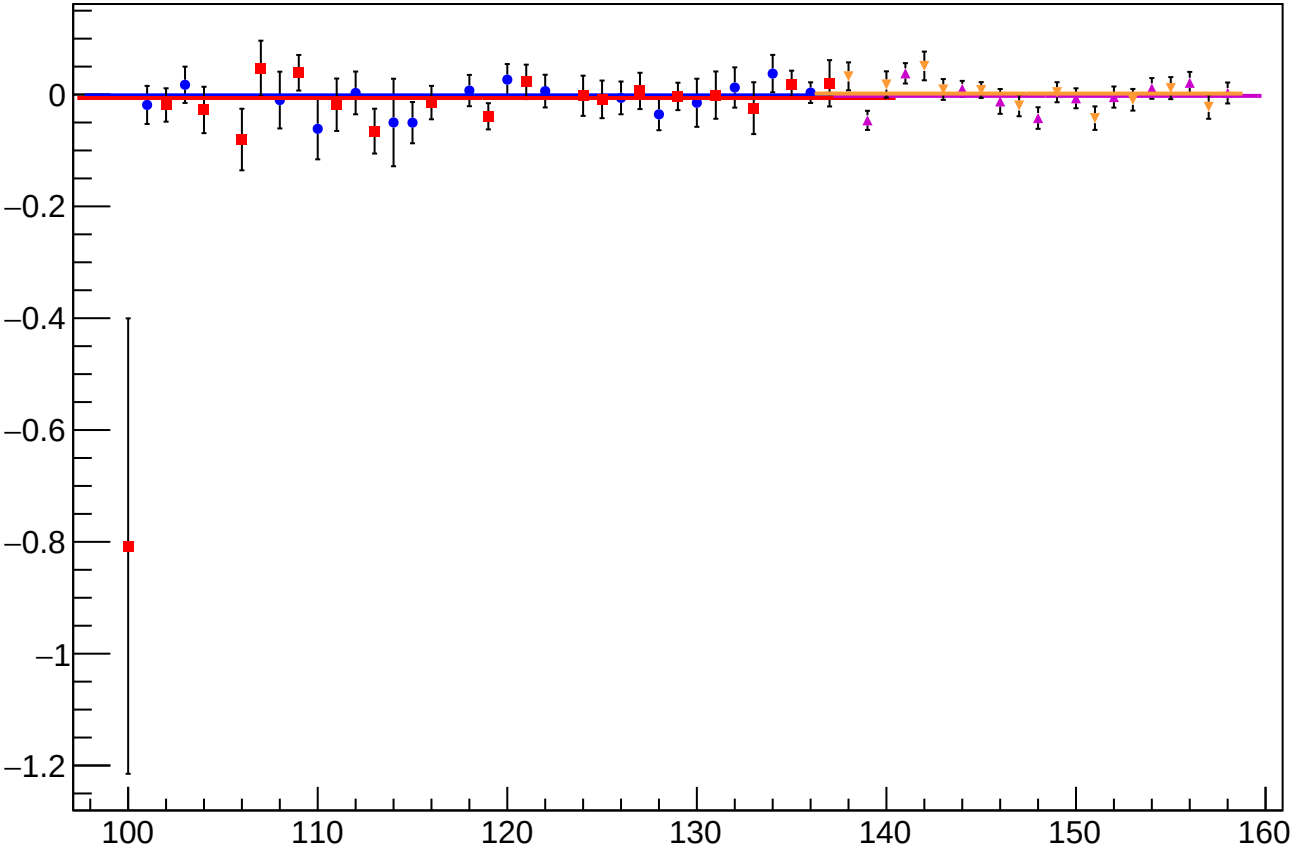
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.913+/-0.003 χ^2/NDF:1195171.2/25

Out: 18.240+/-0.003 χ^2/NDF:1473477.3/29

All: 18.074+/-0.002 χ^2/NDF: 2673459.2/55

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: 0.002+/-0.006 χ^2/NDF:13.5/10

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.006 χ^2/NDF:18.7/9

Left: -0.000+/-0.004 χ^2/NDF: 32.4/20

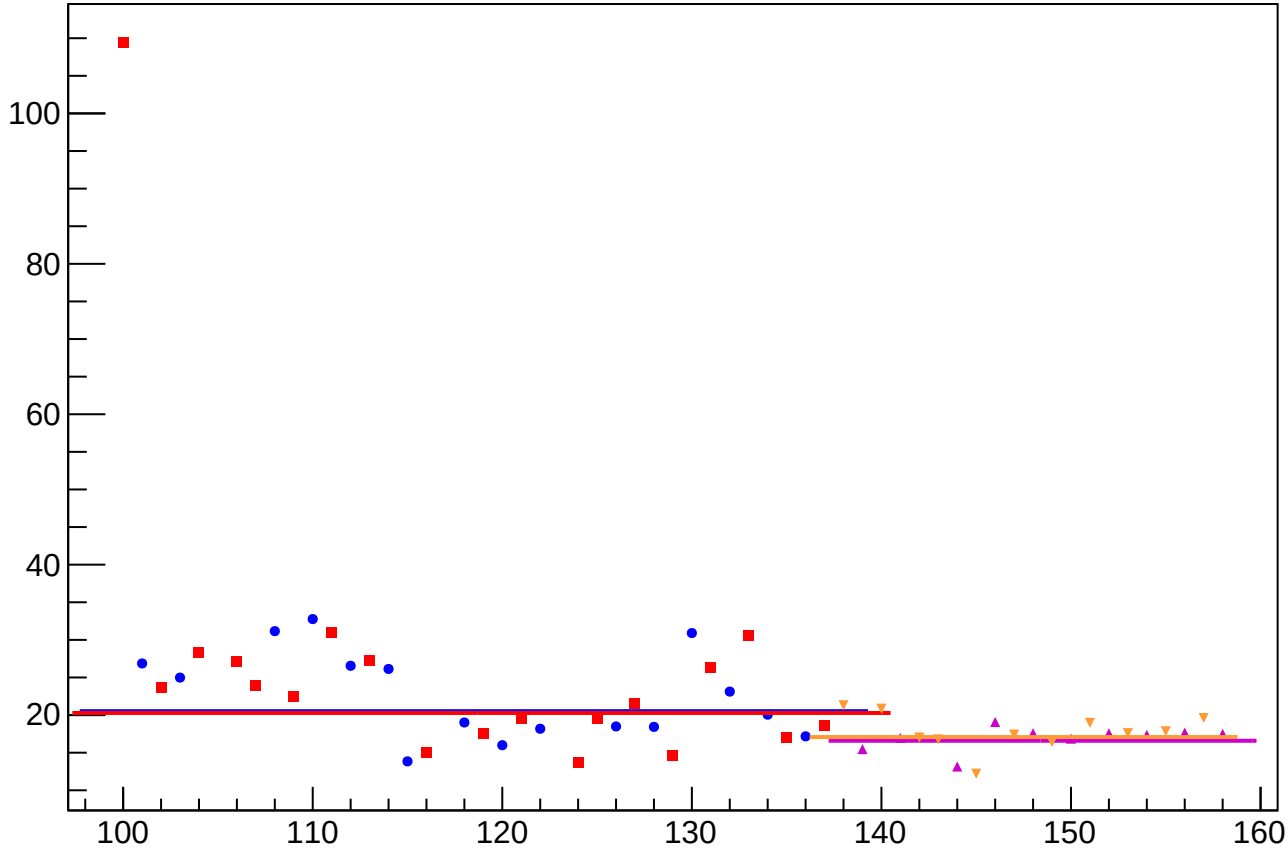
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.005 χ^2/NDF:27.0/25

Out: -0.001+/-0.005 χ^2/NDF:30.3/29

All: -0.002+/-0.003 χ^2/NDF: 57.4/55

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: 17.079+/-0.004 χ^2/NDF:398748.2/10

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.587+/-0.004 χ^2/NDF:173380.3/9

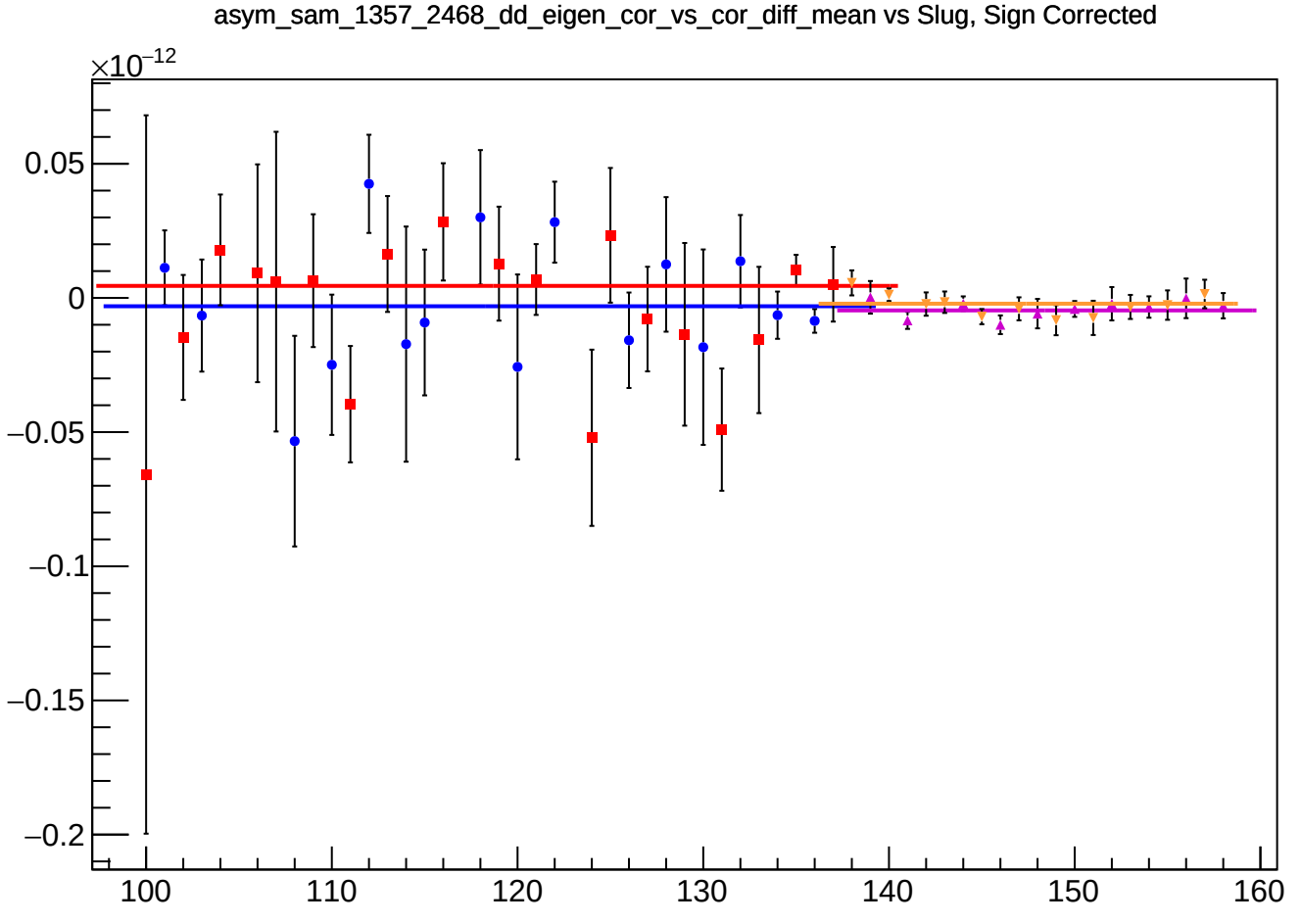
Left: 16.824+/-0.003 χ^2/NDF: 579193.7/20

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.913+/-0.003 χ^2/NDF:1195171.2/25

Out: 18.240+/-0.003 χ^2/NDF:1473477.3/29

All: 18.074+/-0.002 χ^2/NDF: 2673459.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

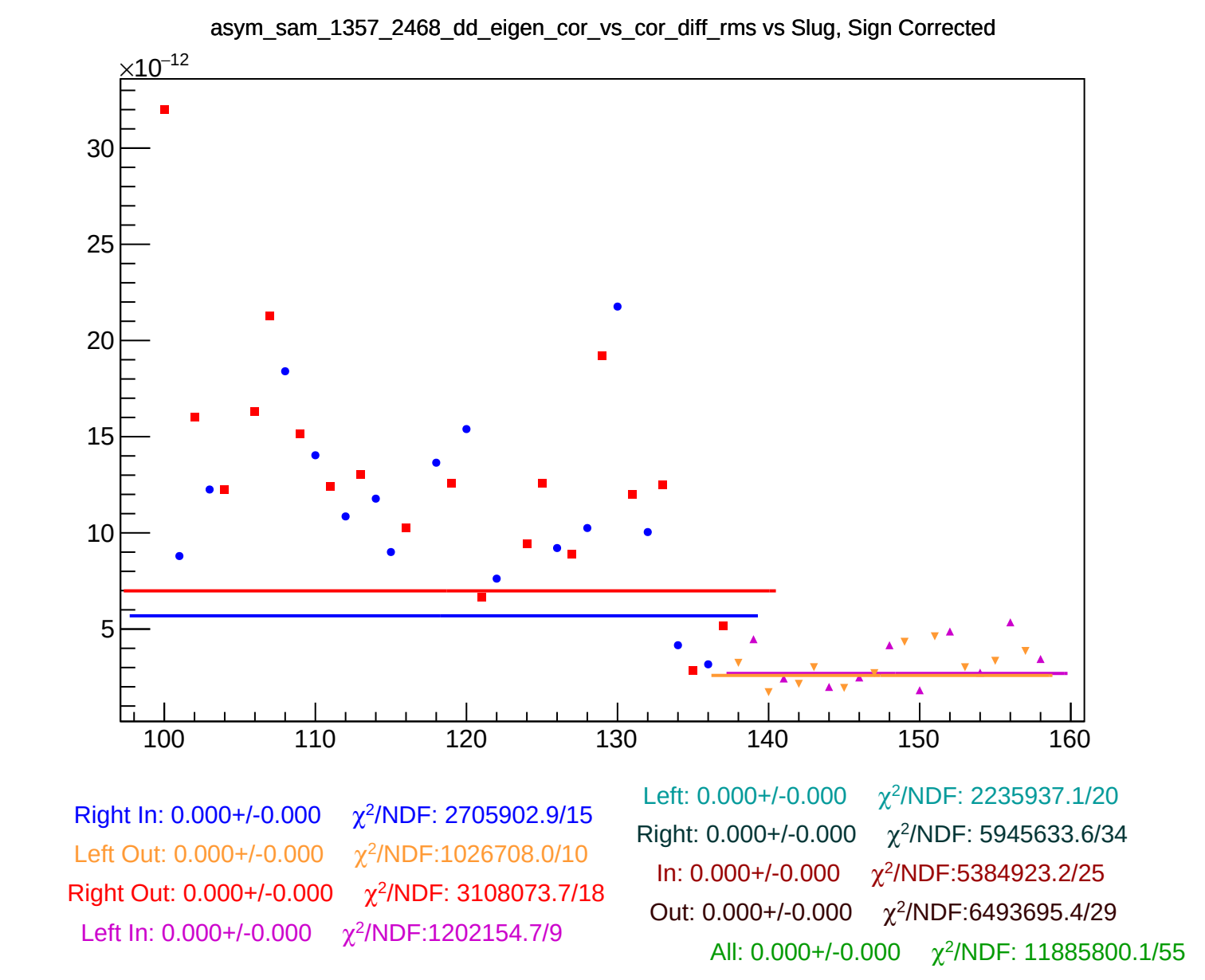
Left: -0.000+/-0.000 χ^2/NDF: 18.5/20

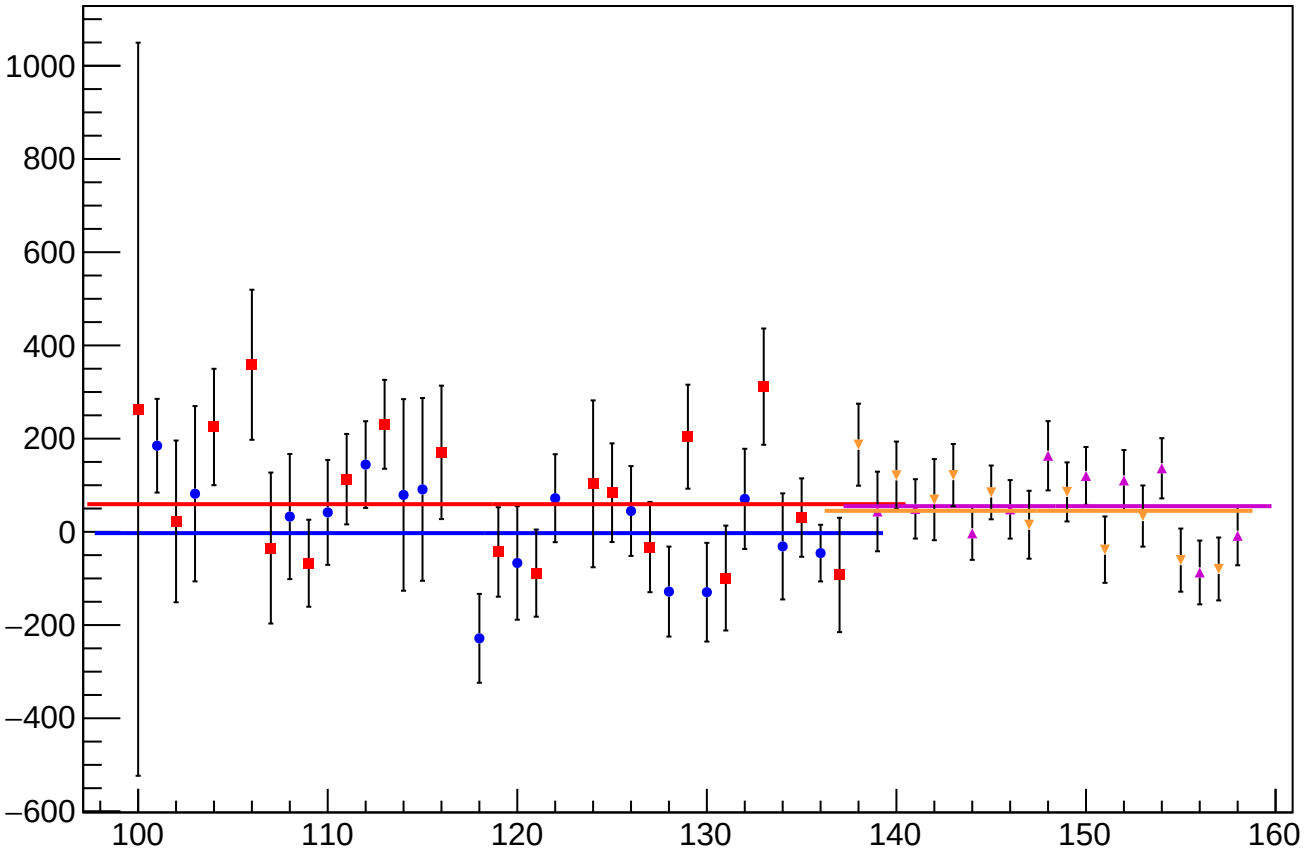
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:26.3/25

Out: -0.000+/-0.000 χ^2/NDF:31.6/29

All: -0.000+/-0.000 χ^2/NDF: 61.0/55


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1026708.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1202154.7/9
Left: 0.000+/-0.000 χ²/NDF: 2235937.1/20
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:5384923.2/25
Out: 0.000+/-0.000 χ²/NDF:6493695.4/29
All: 0.000+/-0.000 χ²/NDF: 11885800.1/55



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 45.101+/-20.942 χ^2/NDF:13.4/10

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 55.103+/-20.736 χ^2/NDF:11.9/9

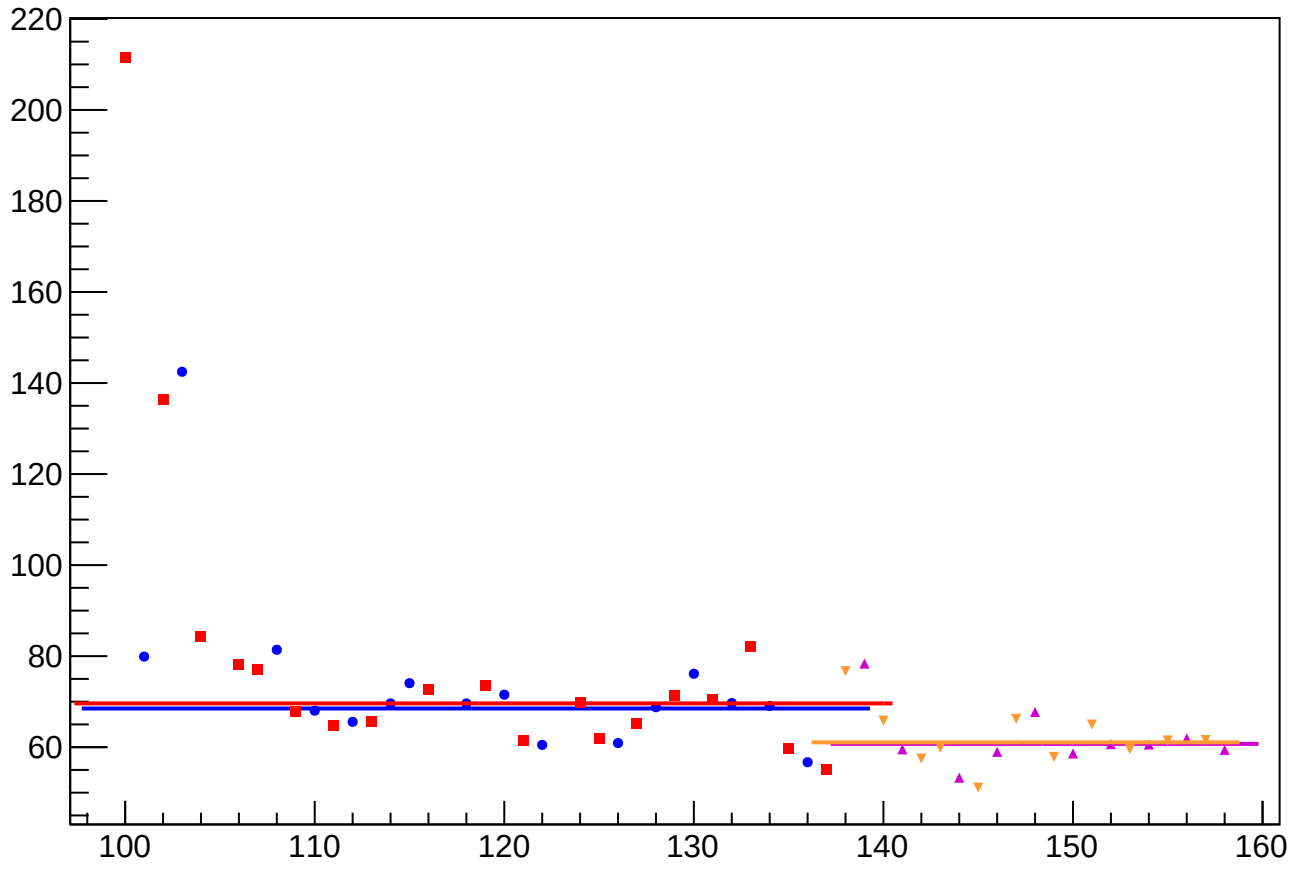
Left: 50.151+/-14.735 χ^2/NDF: 25.4/20

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 32.828+/-16.263 χ^2/NDF:32.6/25

Out: 50.608+/-16.403 χ^2/NDF:39.3/29

All: 41.642+/-11.549 χ^2/NDF: 72.5/55



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.065+/-0.015 χ^2/NDF:157551.1/10

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

Left: 60.891+/-0.010 χ^2/NDF: 301029.5/20

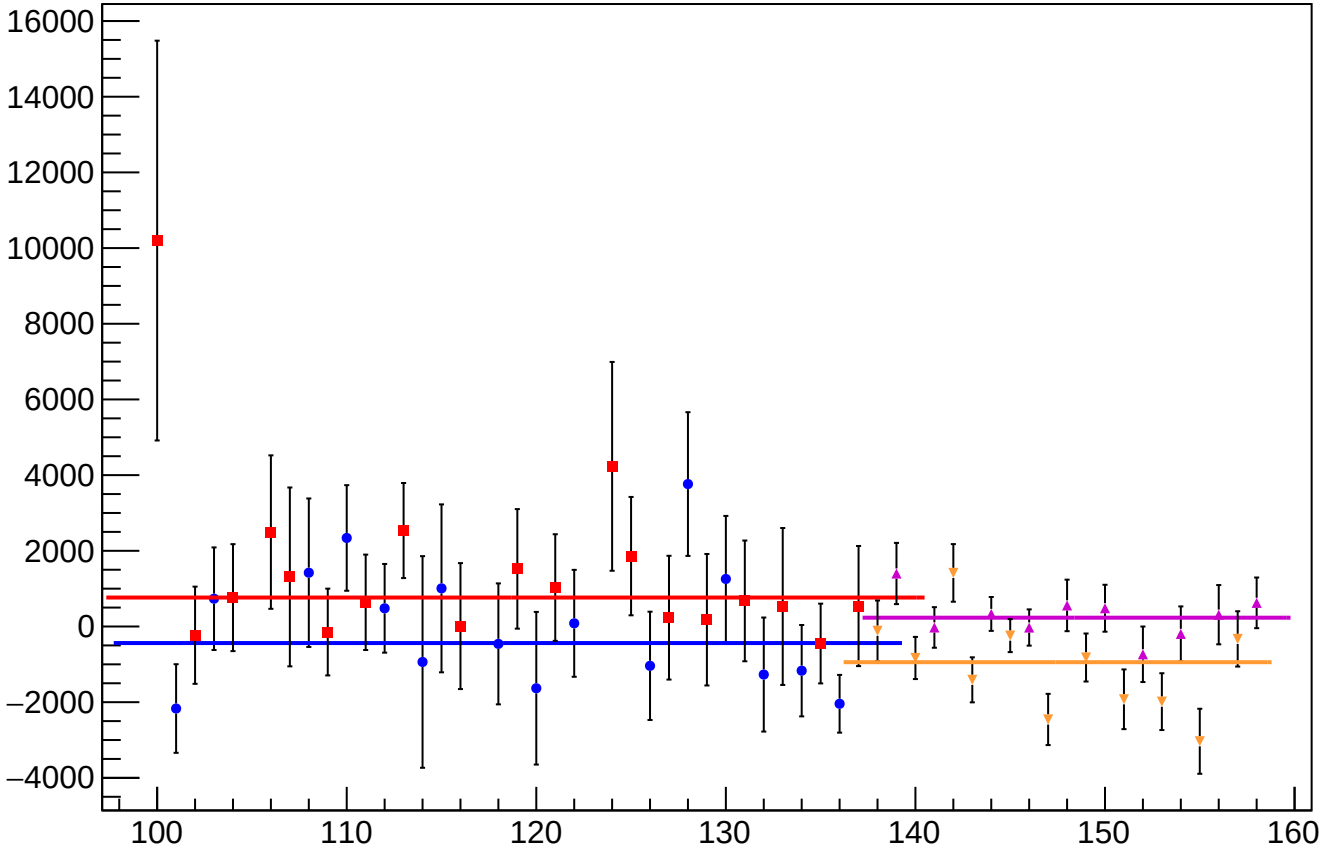
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.714+/-0.011 χ^2/NDF:723381.3/25

Out: 64.371+/-0.012 χ^2/NDF:806973.1/29

All: 64.040+/-0.008 χ^2/NDF: 1531972.4/55

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: -943.252+/-196.634 χ^2/NDF:29.1/10

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 232.657+/-193.436 χ^2/NDF:5.5/9

Left: -345.657+/-137.897 χ^2/NDF: 52.7/20

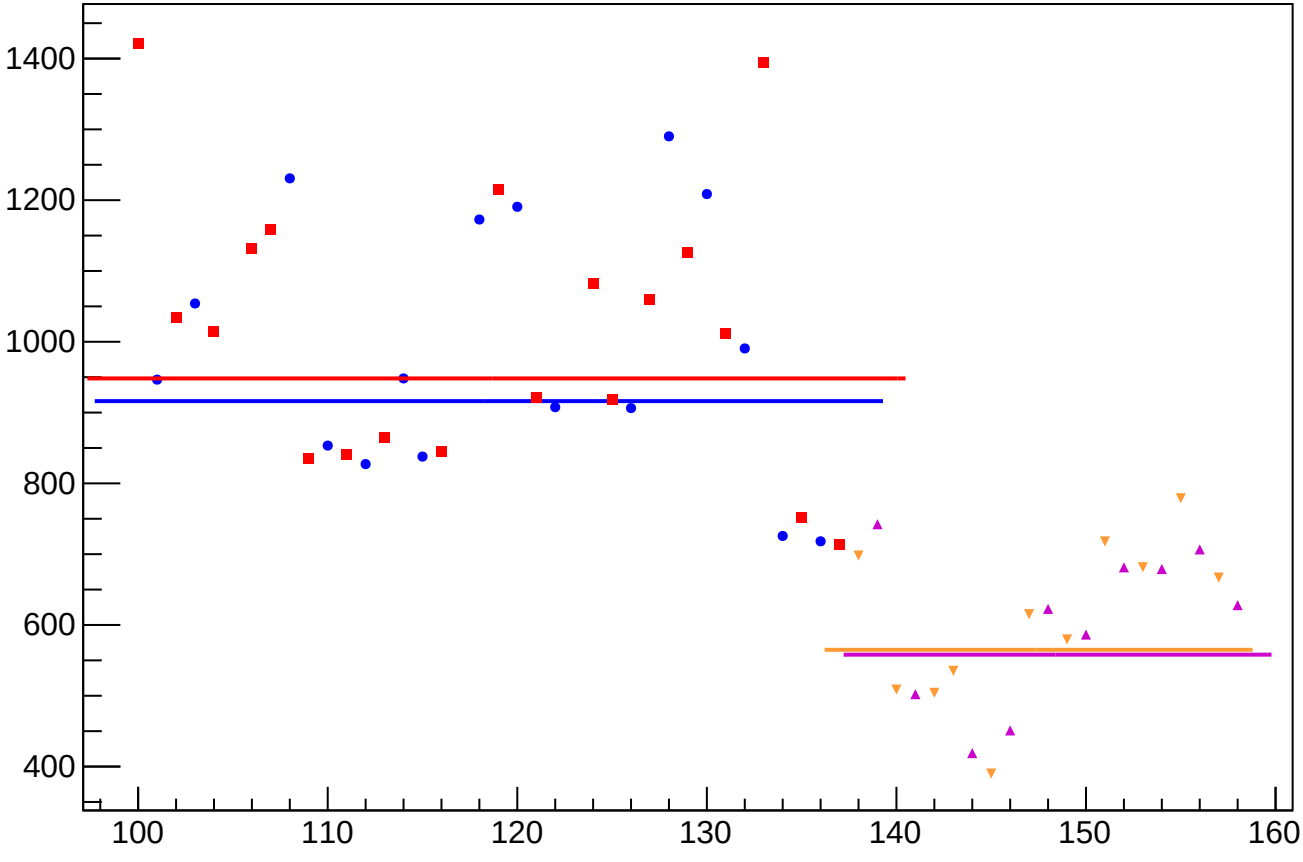
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 75.095+/-169.173 χ^2/NDF:28.9/25

Out: -538.731+/-171.787 χ^2/NDF:58.3/29

All: -227.112+/-120.537 χ^2/NDF: 93.6/55

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: 564.888+/-0.139 χ^2/NDF:713268.4/10

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 558.051+/-0.137 χ^2/NDF:646126.2/9

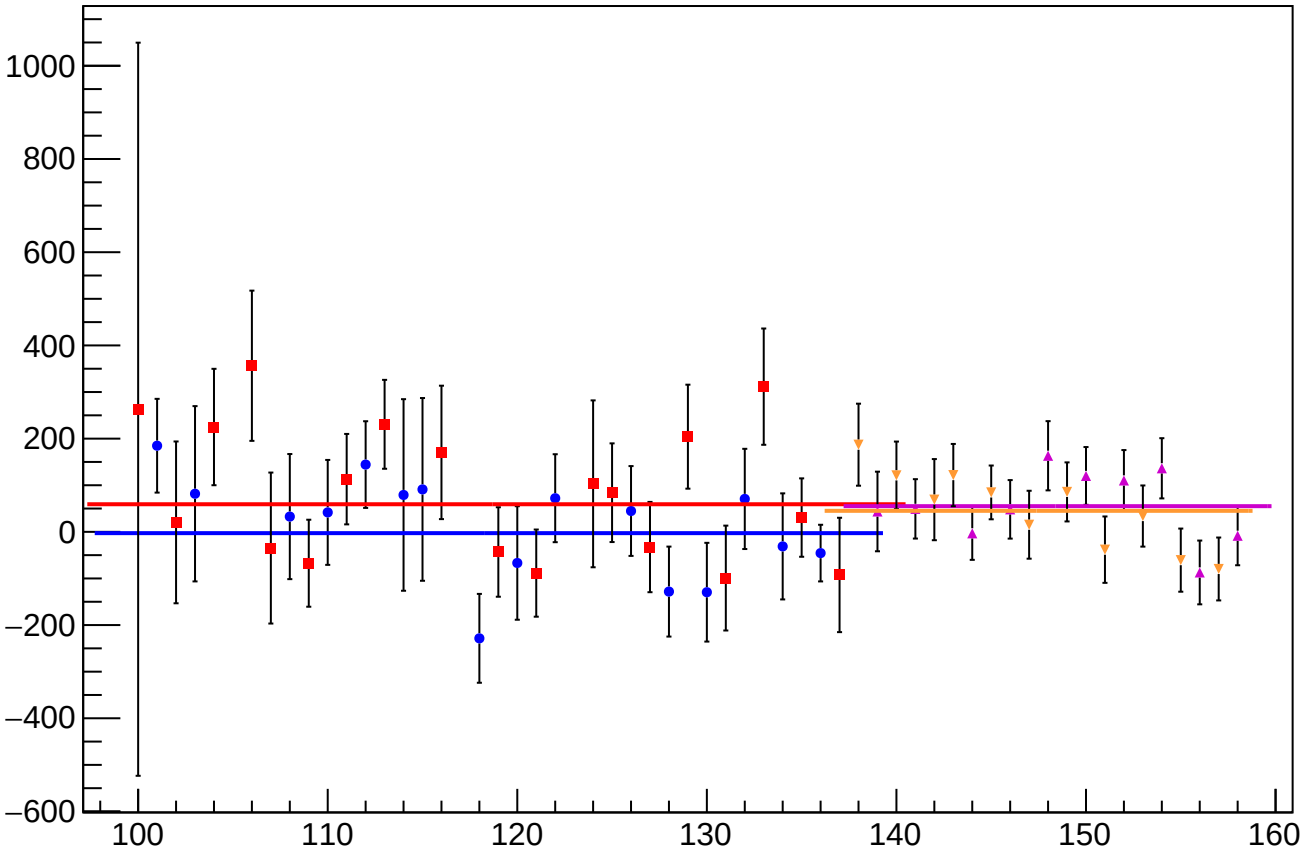
Left: 561.413+/-0.098 χ^2/NDF: 1360623.4/20

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 642.256+/-0.120 χ^2/NDF:2767096.5/25

Out: 655.648+/-0.121 χ^2/NDF:2928162.4/29

All: 648.849+/-0.085 χ^2/NDF: 5701429.8/55



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 45.105+/-20.942 χ^2/NDF:13.4/10

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 55.105+/-20.736 χ^2/NDF:11.9/9

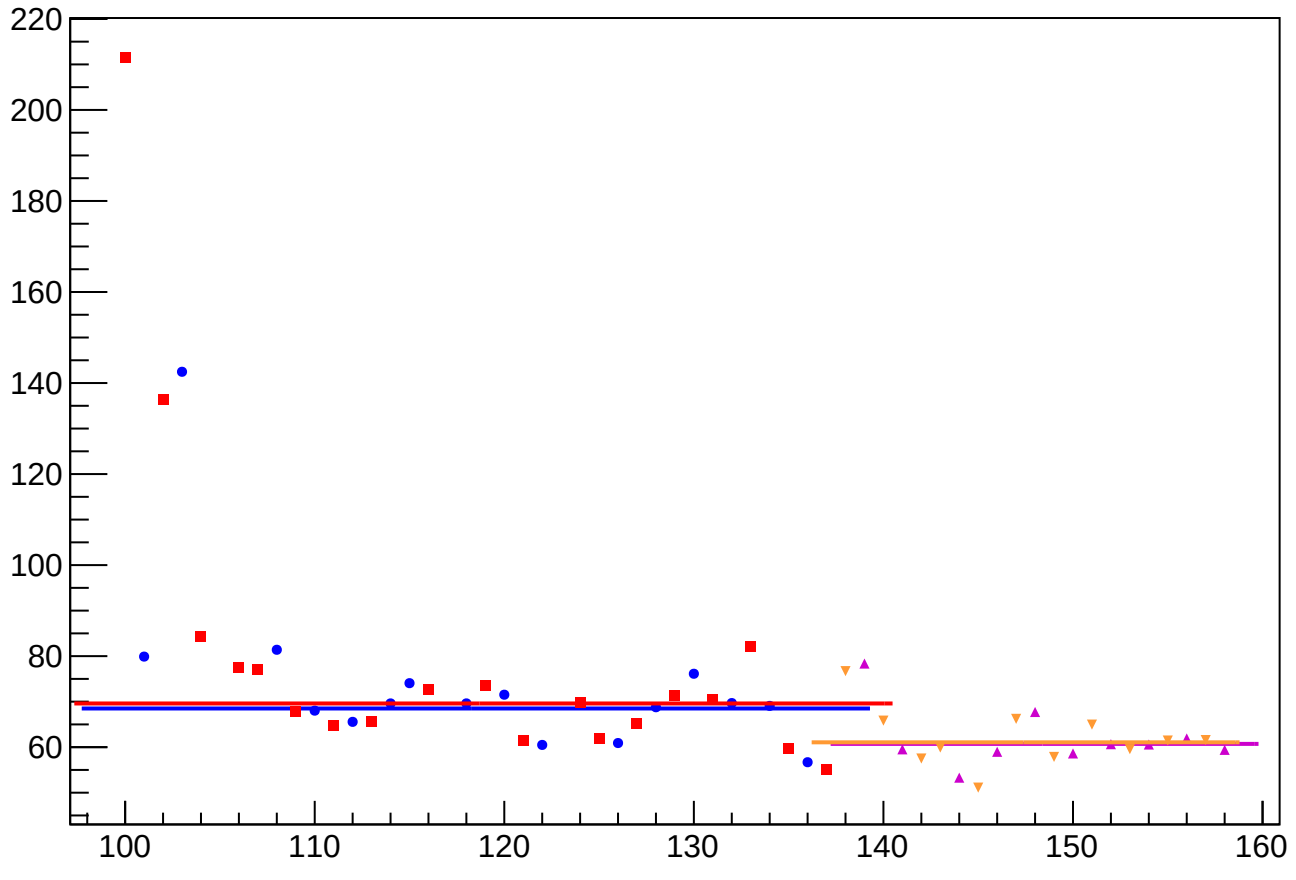
Left: 50.154+/-14.735 χ^2/NDF: 25.4/20

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 32.827+/-16.263 χ^2/NDF:32.6/25

Out: 50.563+/-16.403 χ^2/NDF:39.2/29

All: 41.619+/-11.549 χ^2/NDF: 72.4/55



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.065+/-0.015 χ^2/NDF:157551.1/10

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

Left: 60.891+/-0.010 χ^2/NDF: 301029.5/20

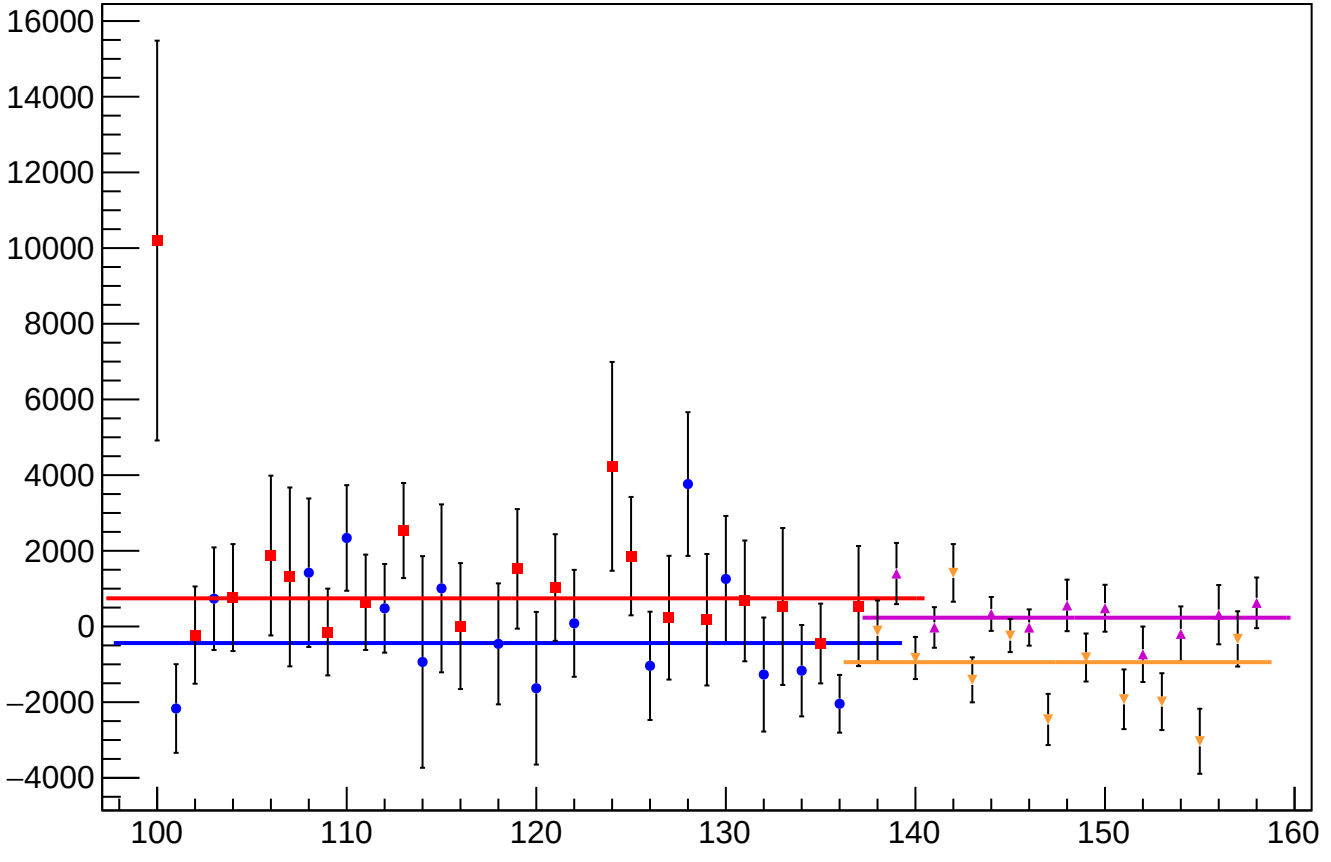
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.714+/-0.011 χ^2/NDF:723384.3/25

Out: 64.364+/-0.012 χ^2/NDF:805771.6/29

All: 64.036+/-0.008 χ^2/NDF: 1530736.6/55

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: -943.247+/-196.634 χ^2/NDF:29.1/10

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 232.660+/-193.436 χ^2/NDF:5.5/9

Left: -345.652+/-137.897 χ^2/NDF: 52.7/20

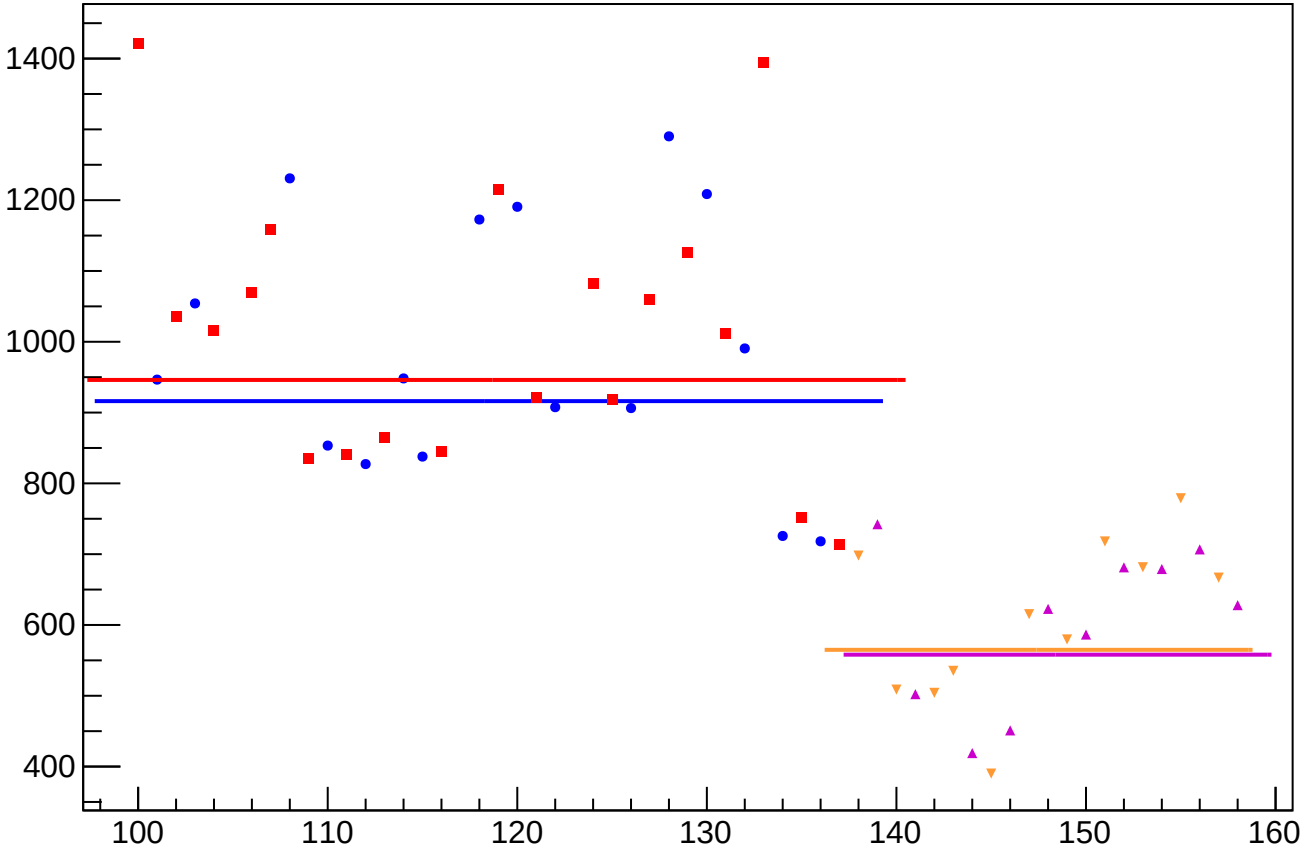
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 75.106+/-169.173 χ^2/NDF:28.9/25

Out: -544.440+/-171.837 χ^2/NDF:57.3/29

All: -229.827+/-120.554 χ^2/NDF: 92.8/55

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 564.888+/-0.139 χ^2/NDF:713271.7/10

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.051+/-0.137 χ^2/NDF:646124.1/9

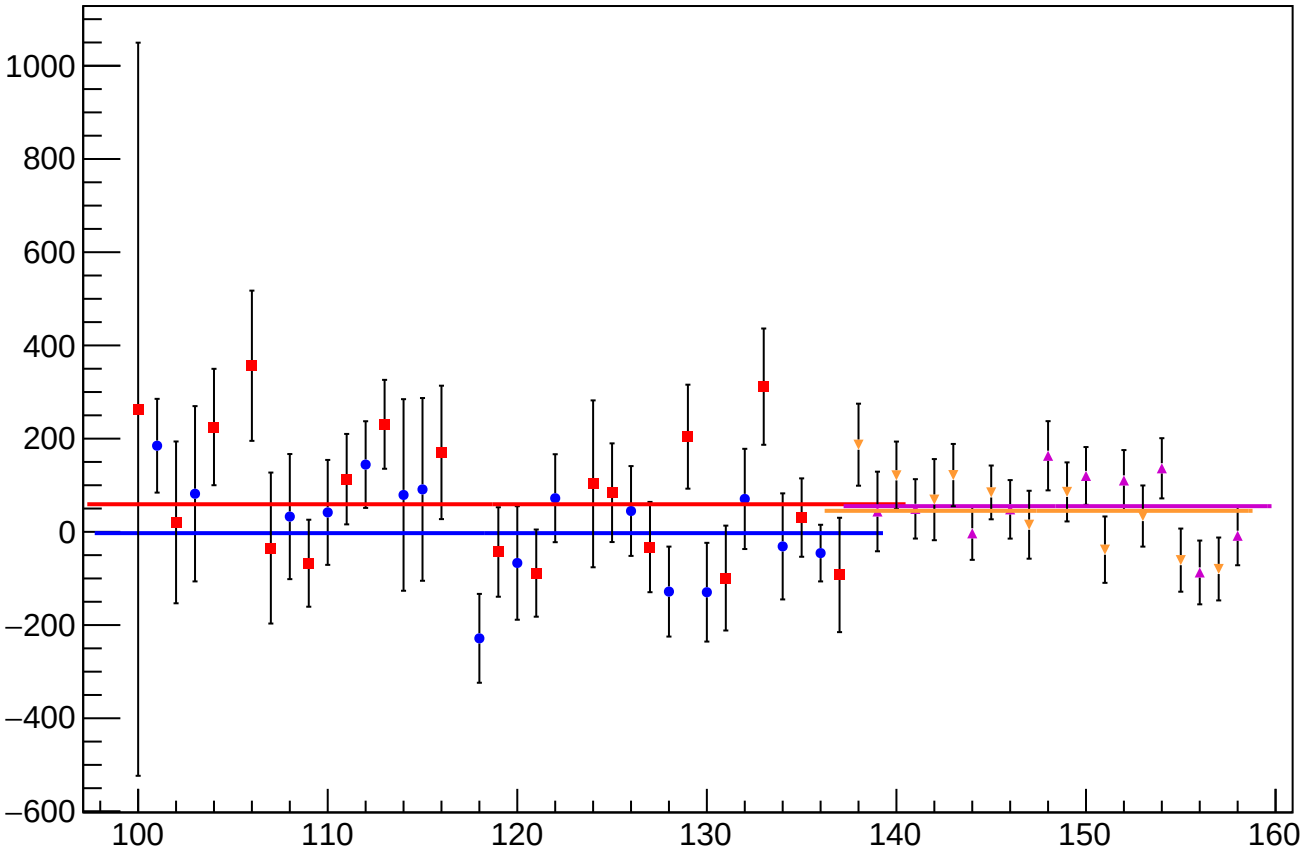
Left: 561.413+/-0.098 χ^2/NDF: 1360624.5/20

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 642.256+/-0.120 χ^2/NDF:2767137.0/25

Out: 654.970+/-0.122 χ^2/NDF:2894974.7/29

All: 648.514+/-0.085 χ^2/NDF: 5667672.1/55



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 45.105+/-20.942 χ^2/NDF:13.4/10

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 55.105+/-20.736 χ^2/NDF:11.9/9

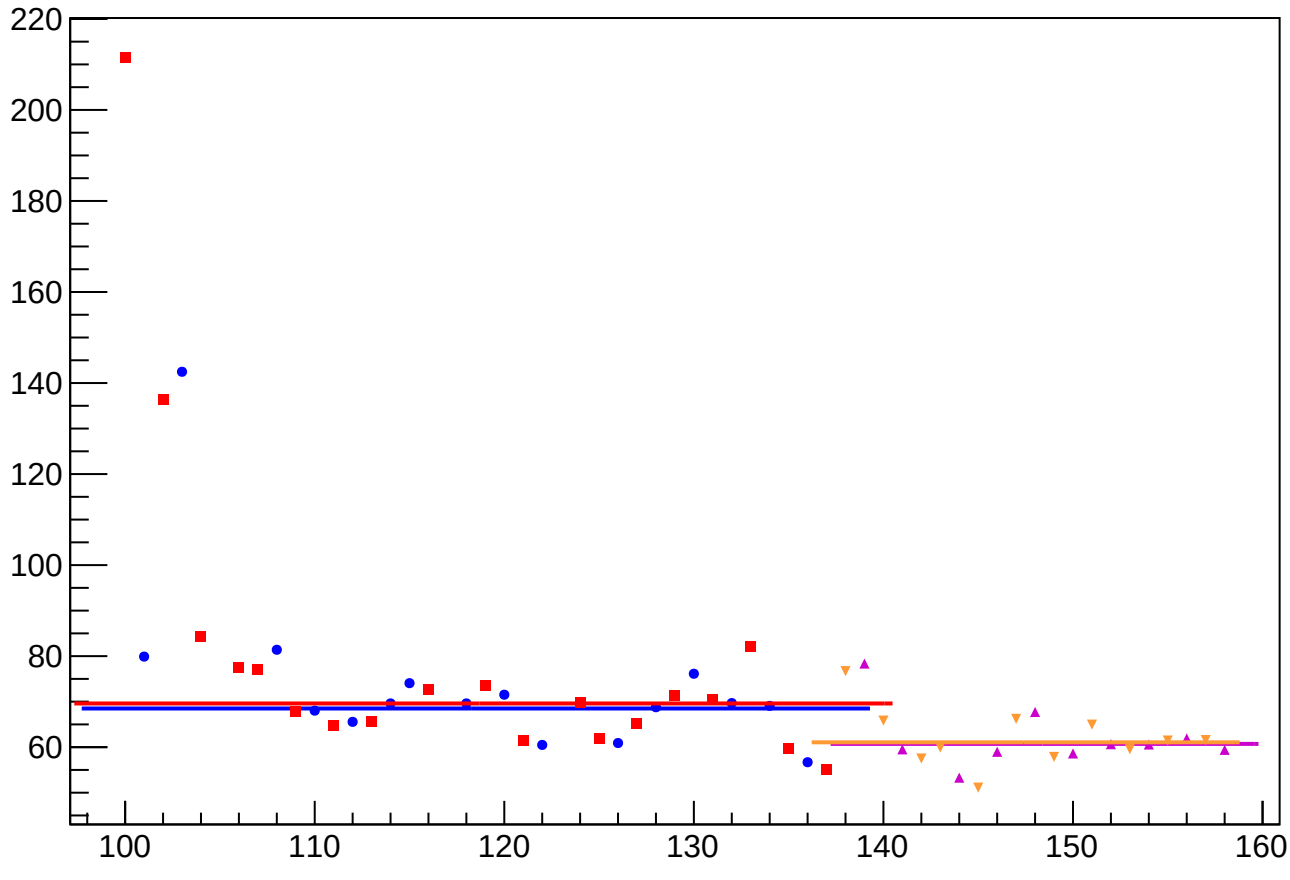
Left: 50.154+/-14.735 χ^2/NDF: 25.4/20

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 32.827+/-16.263 χ^2/NDF:32.6/25

Out: 50.563+/-16.403 χ^2/NDF:39.2/29

All: 41.619+/-11.549 χ^2/NDF: 72.4/55



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.065+/-0.015 χ^2/NDF:157551.1/10

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

Left: 60.891+/-0.010 χ^2/NDF: 301029.5/20

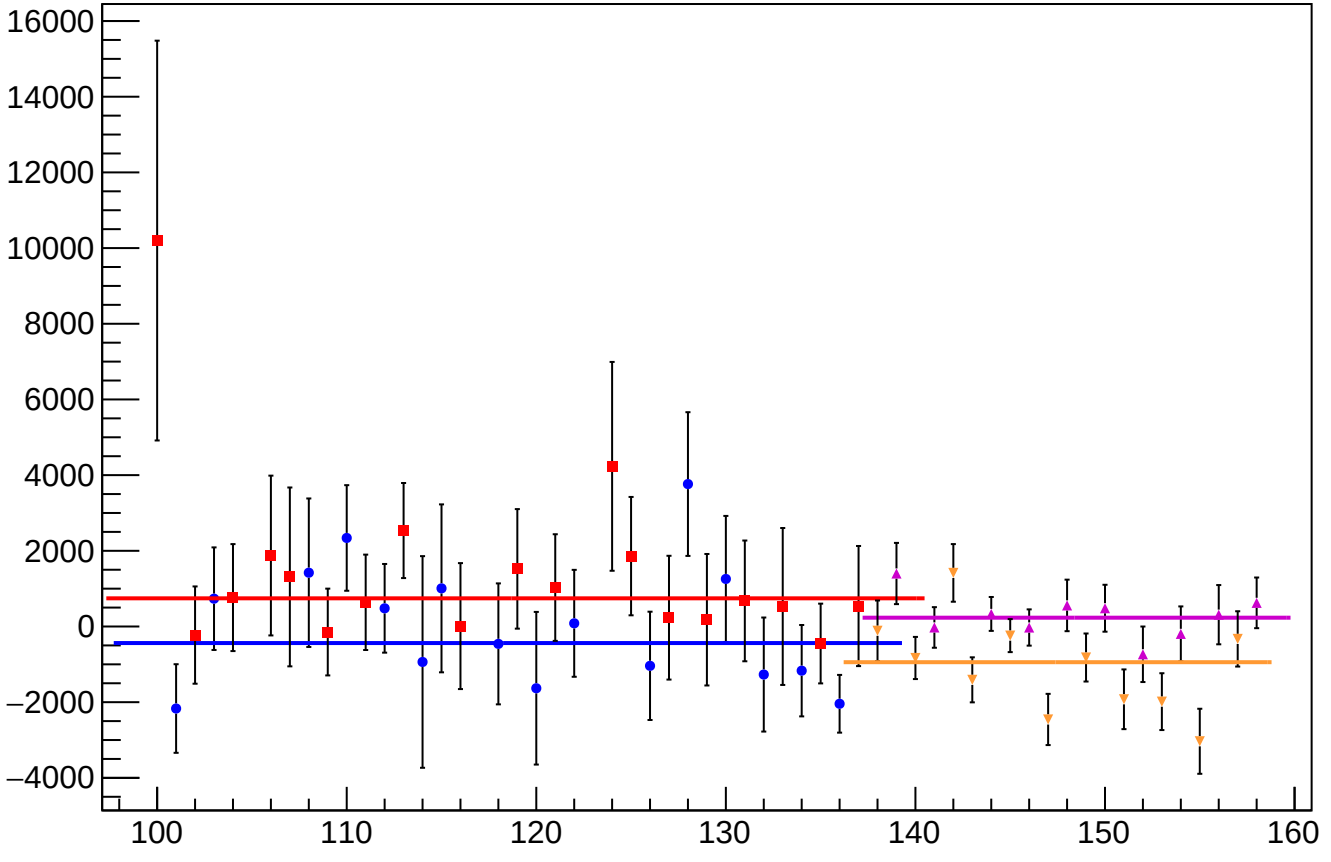
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.714+/-0.011 χ^2/NDF:723384.3/25

Out: 64.364+/-0.012 χ^2/NDF:805771.6/29

All: 64.036+/-0.008 χ^2/NDF: 1530736.6/55

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: -943.247+/-196.634 χ^2/NDF:29.1/10

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 232.660+/-193.436 χ^2/NDF:5.5/9

Left: -345.652+/-137.897 χ^2/NDF: 52.7/20

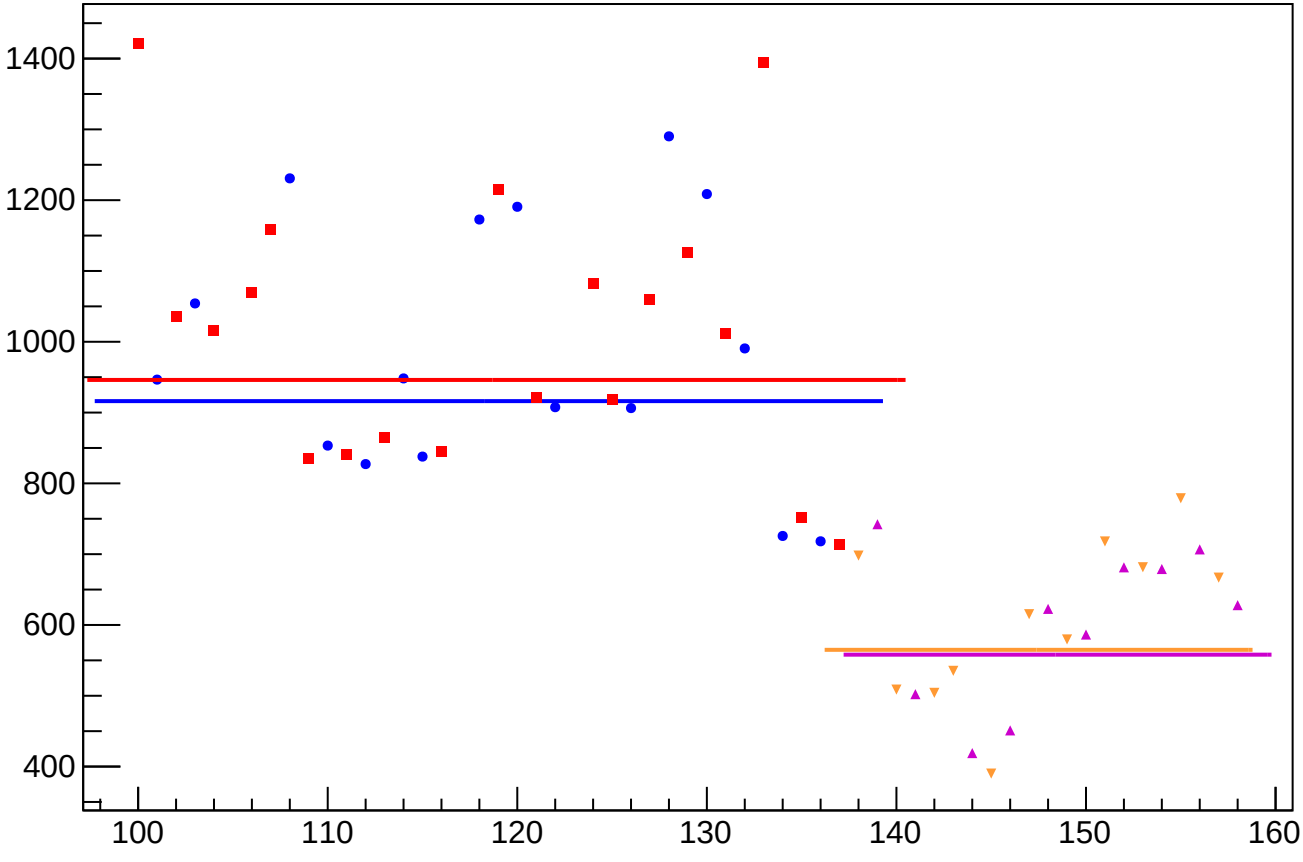
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 75.106+/-169.173 χ^2/NDF:28.9/25

Out: -544.440+/-171.837 χ^2/NDF:57.3/29

All: -229.827+/-120.554 χ^2/NDF: 92.8/55

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: 564.888+/-0.139 χ^2/NDF:713271.7/10

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.051+/-0.137 χ^2/NDF:646124.1/9

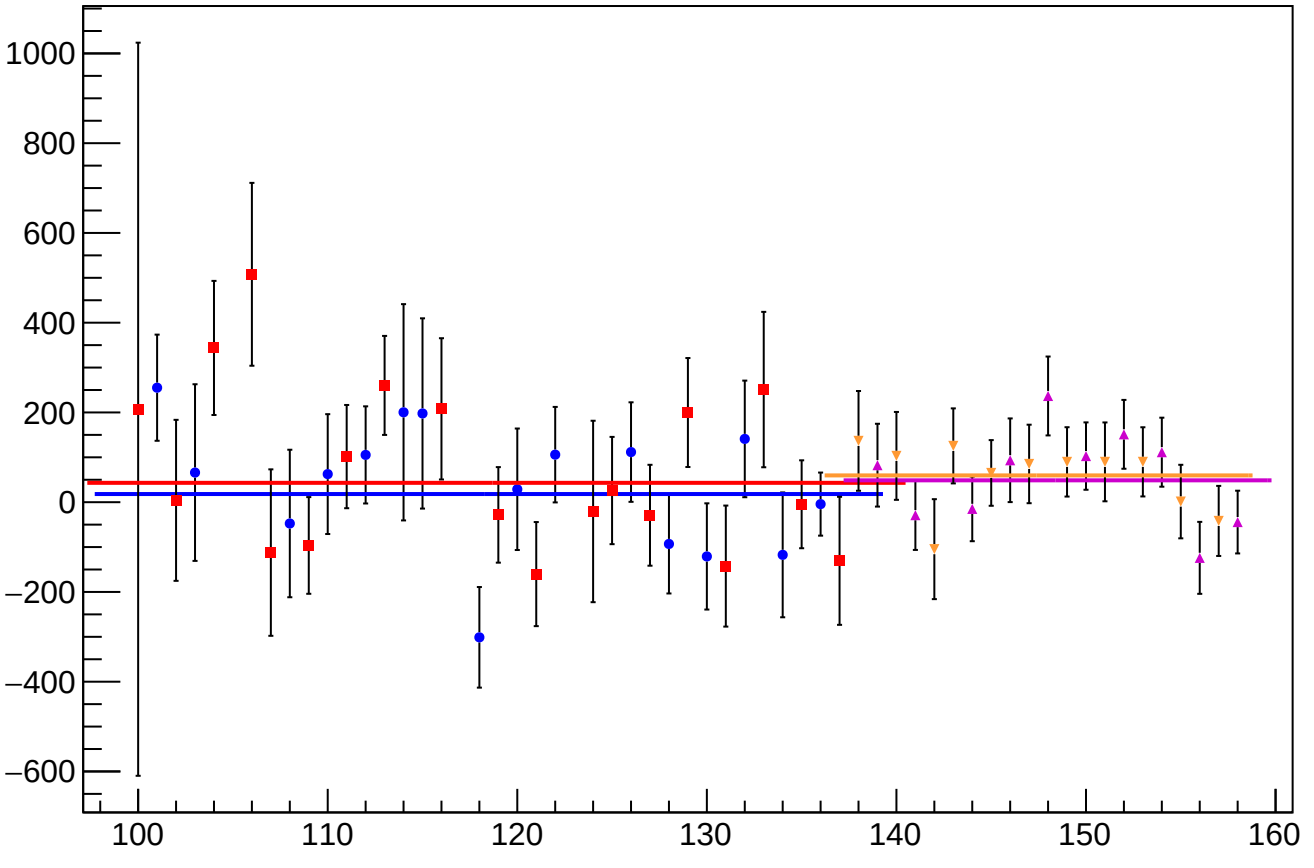
Left: 561.413+/-0.098 χ^2/NDF: 1360624.5/20

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 642.256+/-0.120 χ^2/NDF:2767137.0/25

Out: 654.970+/-0.122 χ^2/NDF:2894974.7/29

All: 648.514+/-0.085 χ^2/NDF: 5667672.1/55



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 59.695+/-25.779 χ^2/NDF:6.2/10

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 48.706+/-25.015 χ^2/NDF:16.1/9

Left: 54.035+/-17.952 χ^2/NDF: 22.4/20

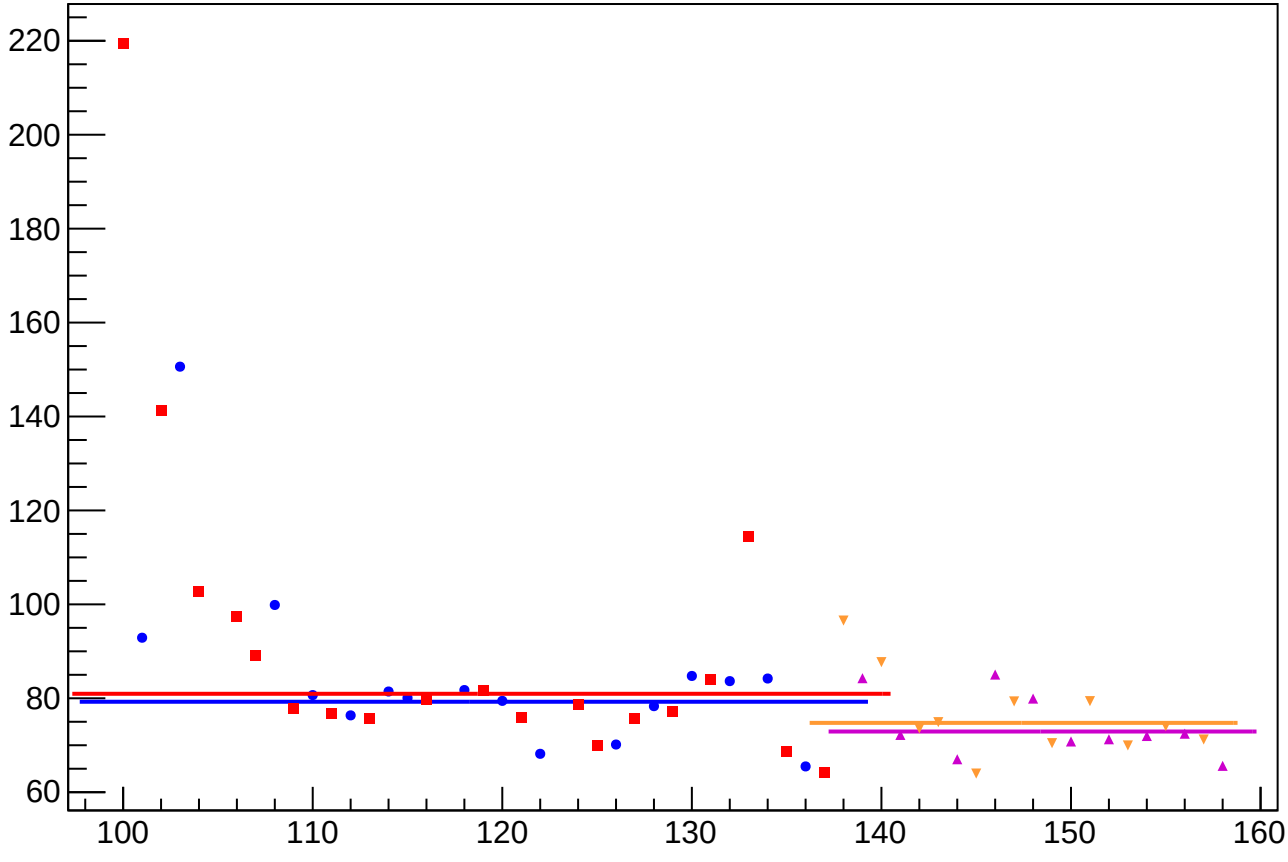
Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 36.354+/-19.303 χ^2/NDF:36.8/25

Out: 52.853+/-19.744 χ^2/NDF:34.1/29

All: 44.417+/-13.802 χ^2/NDF: 71.3/55

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 74.765+/-0.018 χ^2/NDF:184714.5/10

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.923+/-0.018 χ^2/NDF:115215.4/9

Left: 73.816+/-0.013 χ^2/NDF: 305193.0/20

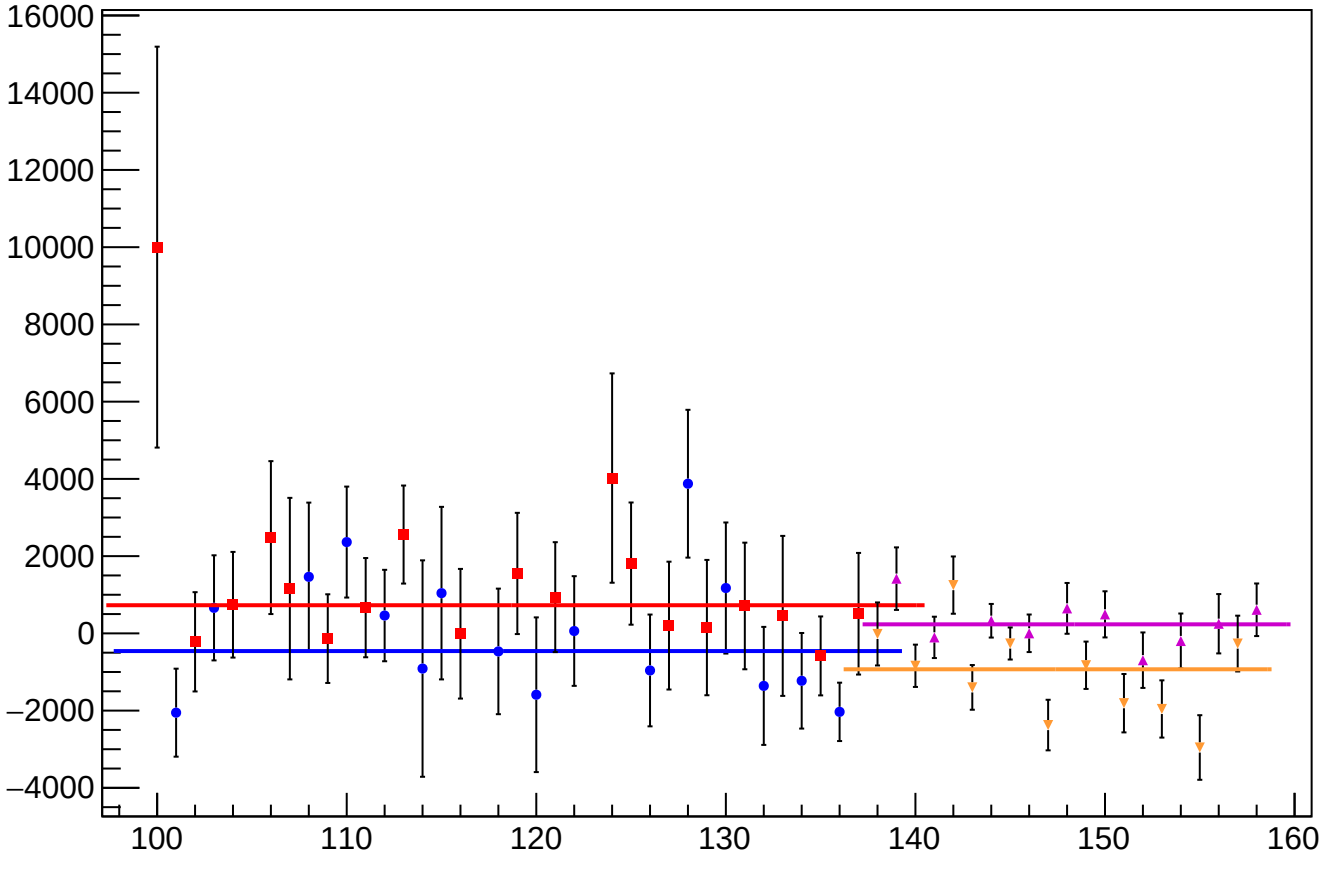
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 75.488+/-0.014 χ^2/NDF:612148.4/25

Out: 77.326+/-0.014 χ^2/NDF:746613.7/29

All: 76.386+/-0.010 χ^2/NDF: 1367620.8/55

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: -930.006+/-191.200 χ^2/NDF:28.0/10

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 234.089+/-191.038 χ^2/NDF:5.7/9

Left: -347.464+/-135.141 χ^2/NDF: 52.3/20

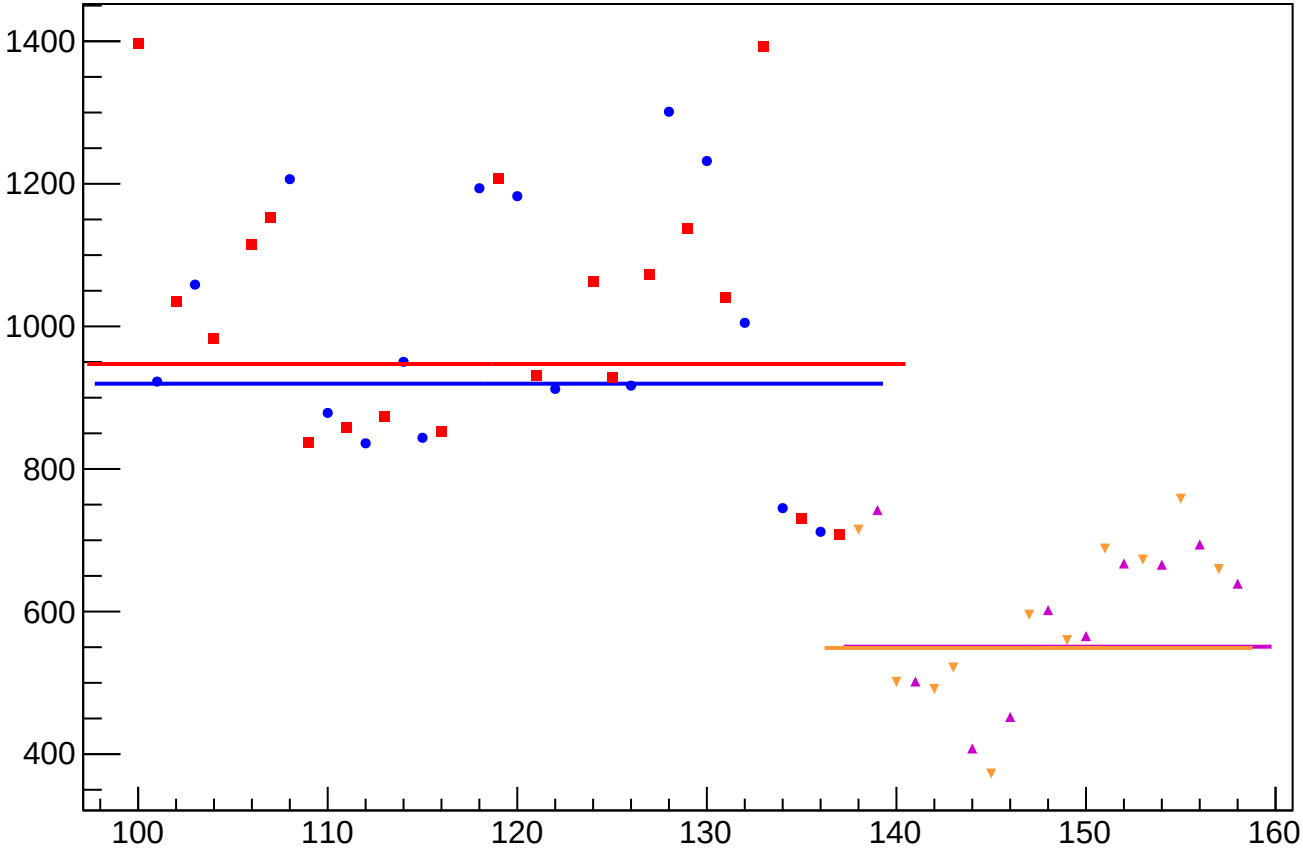
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 75.257+/-167.693 χ^2/NDF:29.0/25

Out: -553.046+/-168.076 χ^2/NDF:56.7/29

All: -238.179+/-118.712 χ^2/NDF: 92.7/55

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: 548.915+/-0.135 χ^2/NDF:781946.0/10

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 550.729+/-0.135 χ^2/NDF:647824.1/9

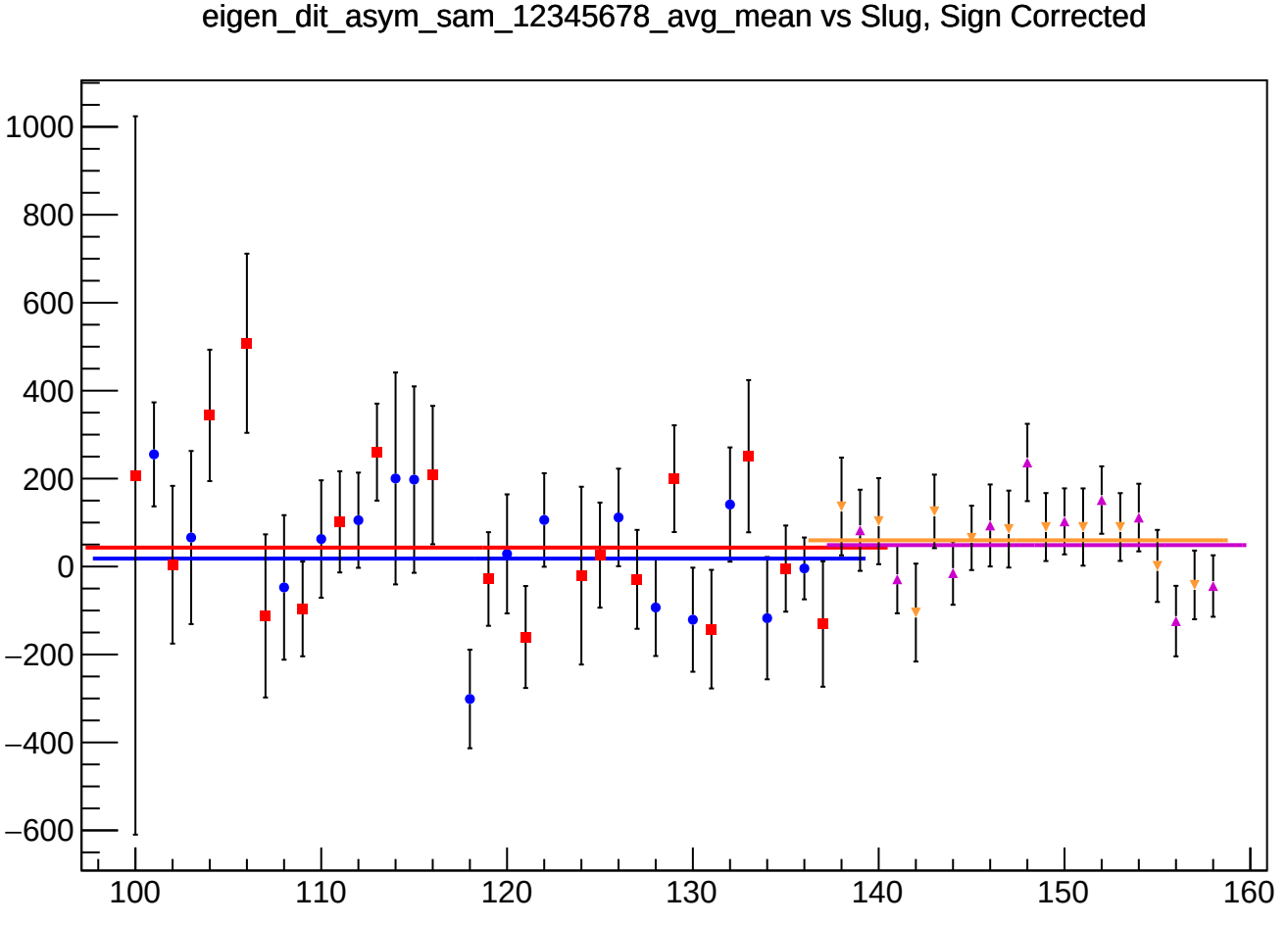
Left: 549.823+/-0.096 χ^2/NDF: 1429860.3/20

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 635.380+/-0.119 χ^2/NDF:2874627.5/25

Out: 639.443+/-0.119 χ^2/NDF:3180442.1/29

All: 637.407+/-0.084 χ^2/NDF: 6055655.4/55



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 59.695+/-25.779 χ^2/NDF:6.2/10

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 48.706+/-25.016 χ^2/NDF:16.1/9

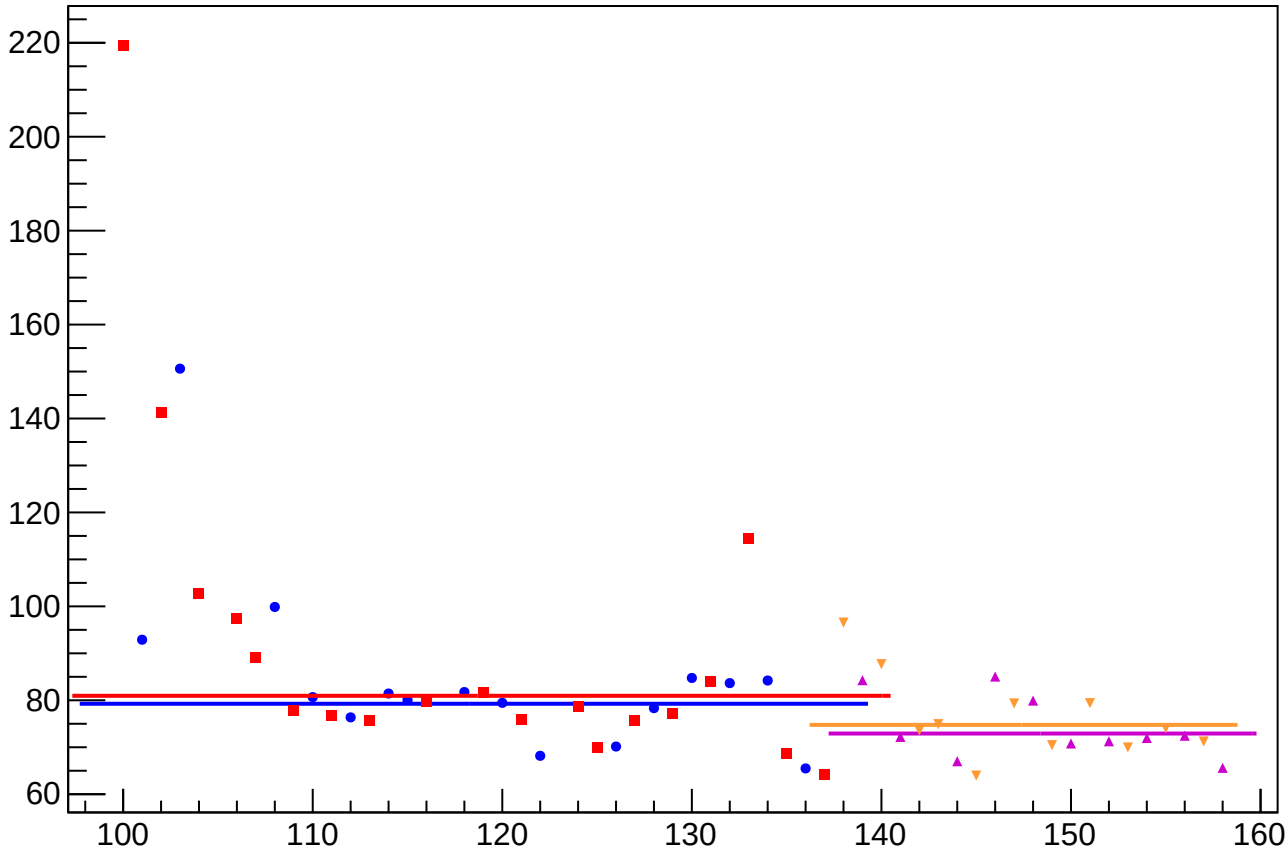
Left: 54.035+/-17.952 χ^2/NDF: 22.4/20

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 36.353+/-19.303 χ^2/NDF:36.8/25

Out: 52.853+/-19.744 χ^2/NDF:34.1/29

All: 44.416+/-13.802 χ^2/NDF: 71.3/55



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 74.766+/-0.018 χ^2/NDF:184707.0/10

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.923+/-0.018 χ^2/NDF:115217.0/9

Left: 73.817+/-0.013 χ^2/NDF: 305187.9/20

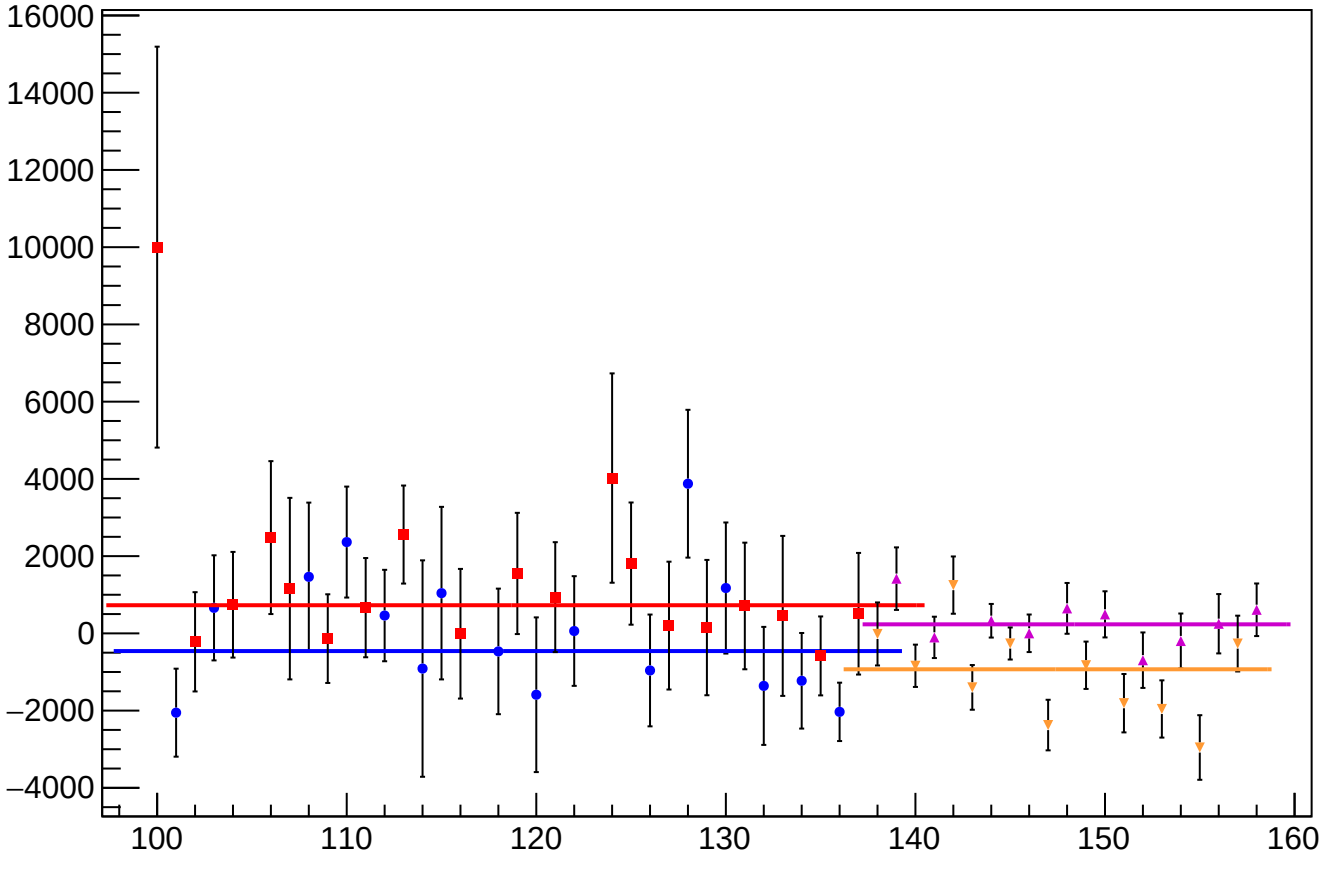
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 75.488+/-0.014 χ^2/NDF:612138.8/25

Out: 77.326+/-0.014 χ^2/NDF:746605.5/29

All: 76.386+/-0.010 χ^2/NDF: 1367603.9/55

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: -930.006+/-191.200 χ^2/NDF:28.0/10

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 234.089+/-191.037 χ^2/NDF:5.7/9

Left: -347.464+/-135.141 χ^2/NDF: 52.3/20

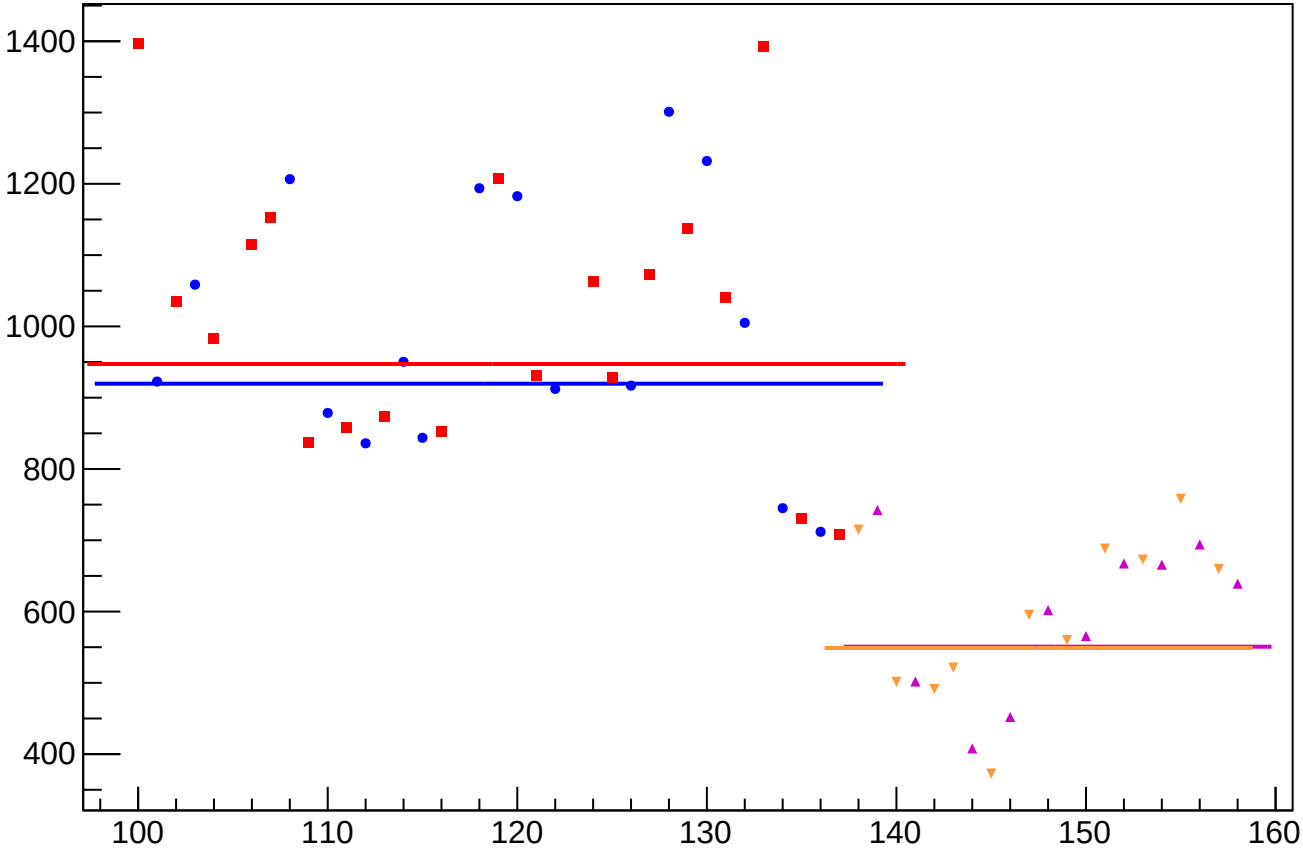
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 75.257+/-167.693 χ^2/NDF:29.0/25

Out: -553.046+/-168.076 χ^2/NDF:56.7/29

All: -238.178+/-118.712 χ^2/NDF: 92.7/55

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: 548.914+/-0.135 χ^2/NDF:781950.5/10

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 550.729+/-0.135 χ^2/NDF:647823.2/9

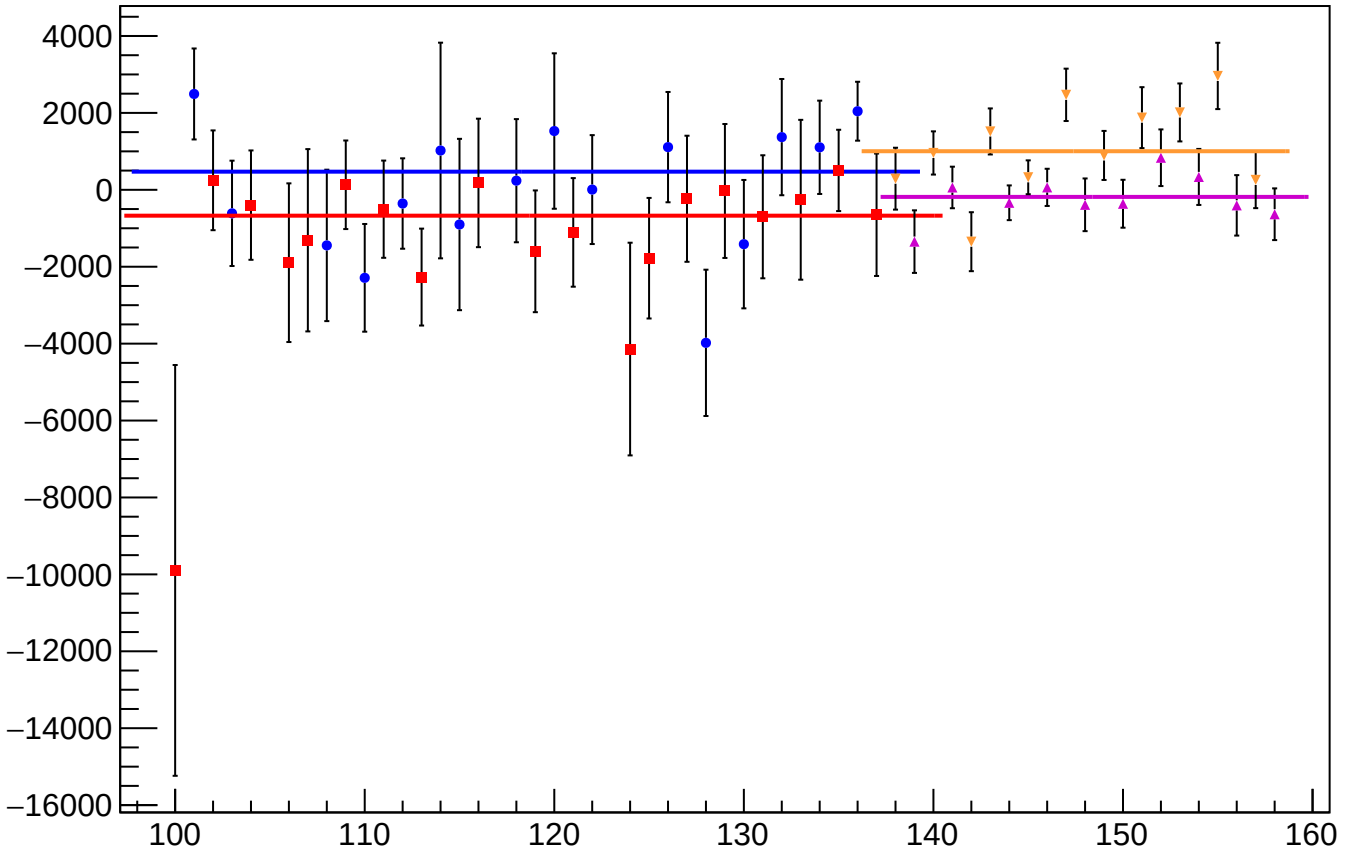
Left: 549.822+/-0.096 χ^2/NDF: 1429863.9/20

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 635.379+/-0.119 χ^2/NDF:2874620.4/25

Out: 639.442+/-0.119 χ^2/NDF:3180443.0/29

All: 637.406+/-0.084 χ^2/NDF: 6055649.2/55



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1003.497+/-197.896 χ^2/NDF:27.2/10

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -184.146+/-194.687 χ^2/NDF:5.7/9

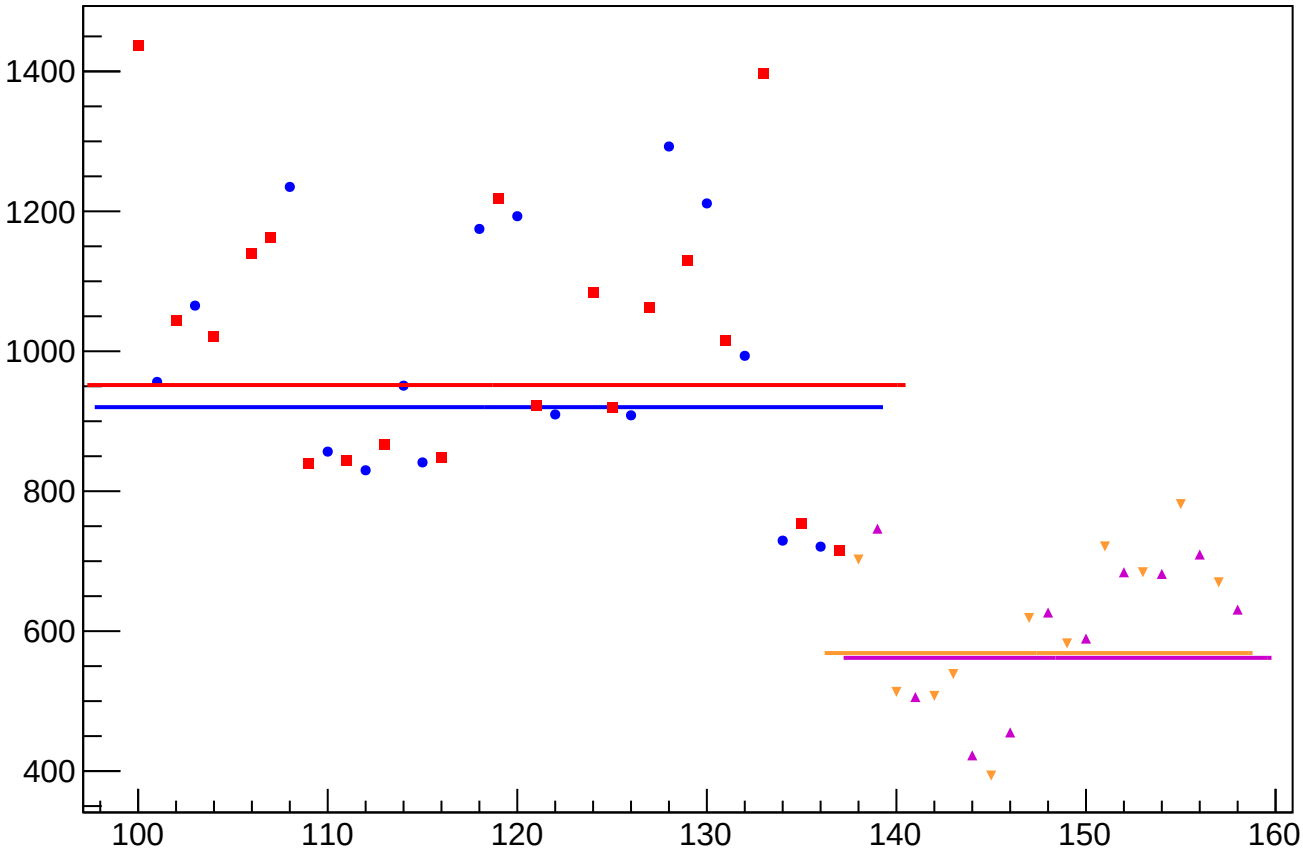
Left: 399.968+/-138.785 χ^2/NDF: 51.2/20

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -29.350+/-170.180 χ^2/NDF:29.9/25

Out: 605.307+/-172.797 χ^2/NDF:54.5/29

All: 283.137+/-121.250 χ^2/NDF: 91.3/55



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 568.719+/-0.140 χ^2/NDF:701351.9/10

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 561.866+/-0.138 χ^2/NDF:634789.2/9

Left: 565.236+/-0.098 χ^2/NDF: 1337359.8/20

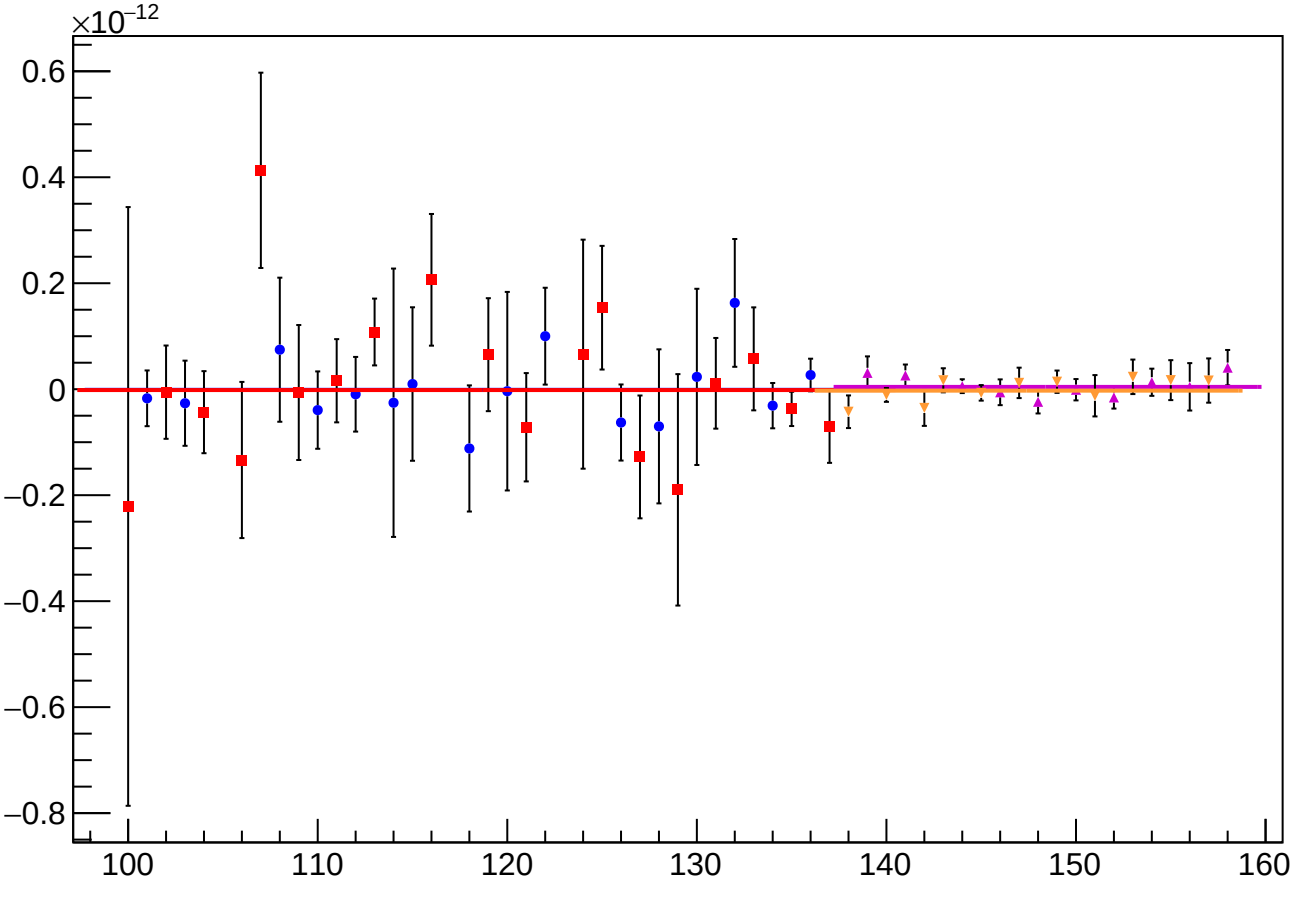
Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 646.384+/-0.120 χ^2/NDF:2741187.3/25

Out: 659.713+/-0.122 χ^2/NDF:2897292.9/29

All: 652.947+/-0.086 χ^2/NDF: 5644521.6/55

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

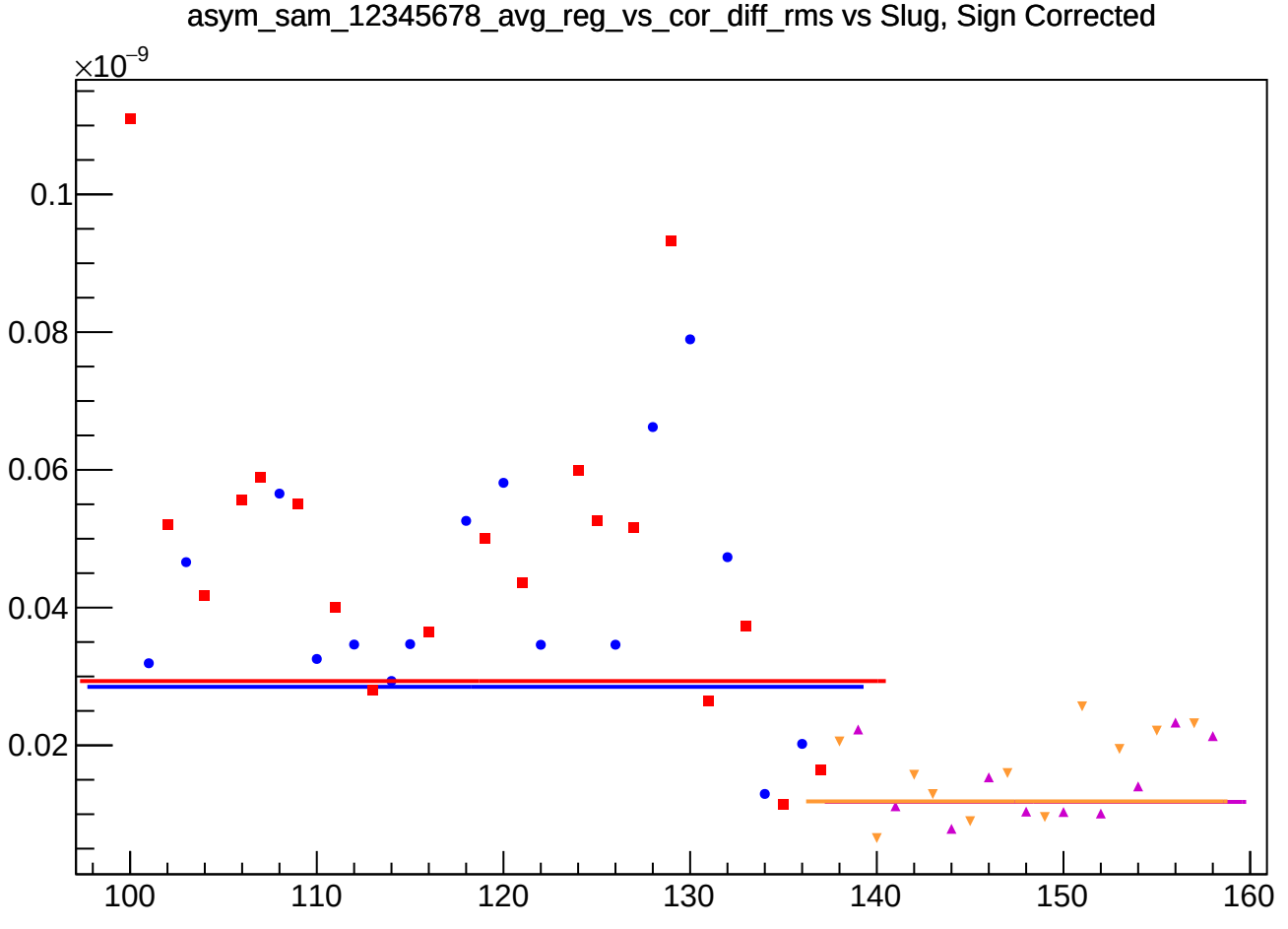
Left: 0.000+/-0.000 χ^2/NDF: 12.3/20

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:13.0/25

Out: -0.000+/-0.000 χ^2/NDF:25.3/29

All: 0.000+/-0.000 χ^2/NDF: 38.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1317893.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:796748.1/9

Left: 0.000+/-0.000 χ^2/NDF: 2114749.0/20

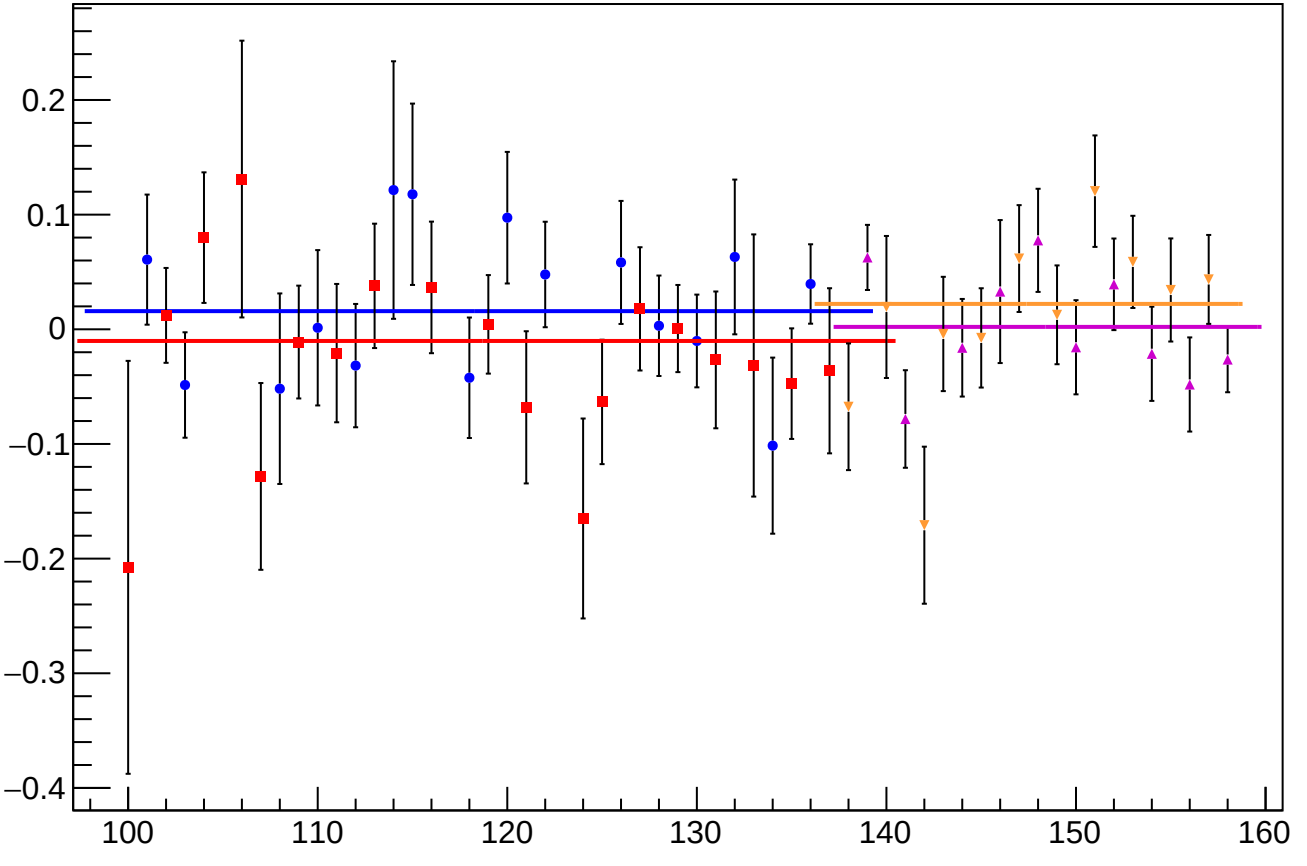
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3490844.7/25

Out: 0.000+/-0.000 χ^2/NDF:4420473.9/29

All: 0.000+/-0.000 χ^2/NDF: 7911831.2/55

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.022+/-0.014 χ^2/NDF:17.4/10

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.012 χ^2/NDF:15.2/9

Left: 0.011+/-0.009 χ^2/NDF: 33.8/20

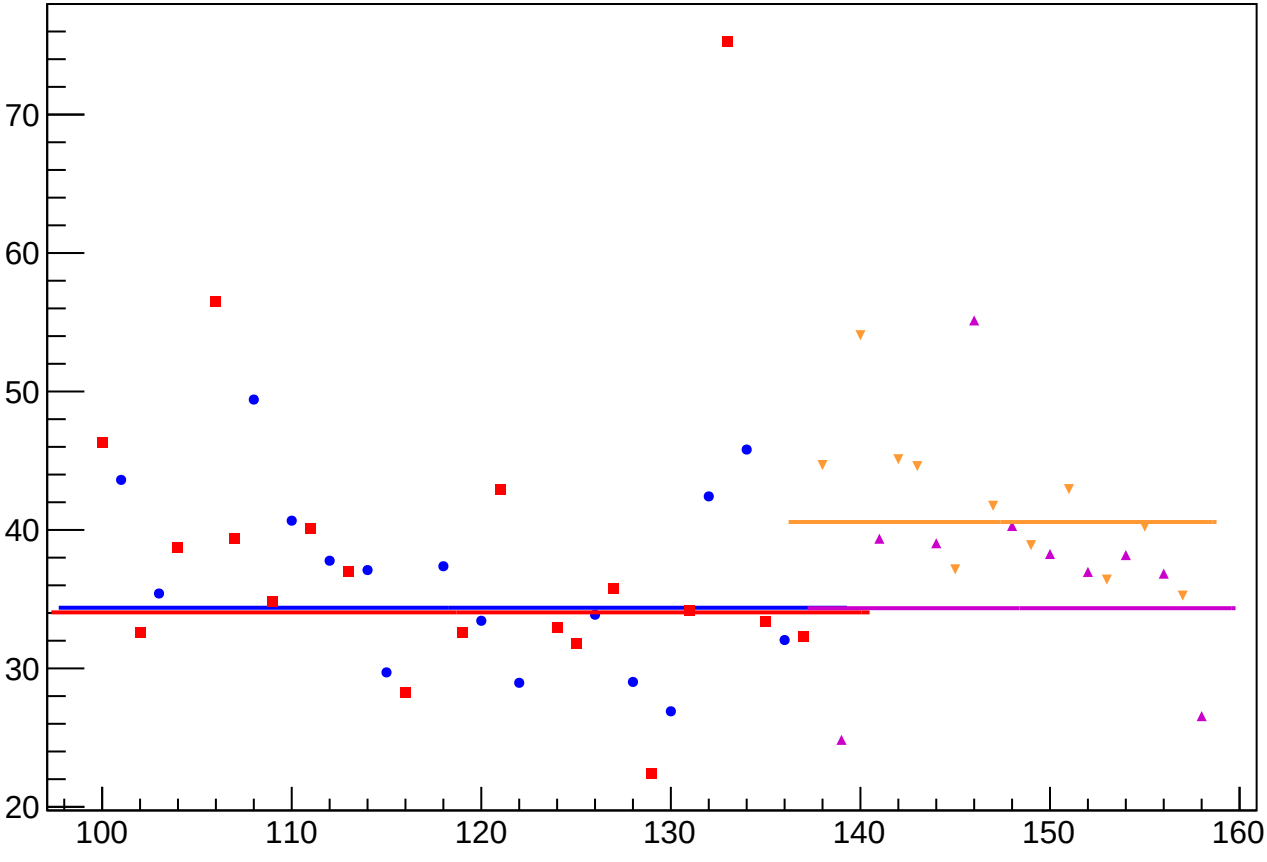
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.009 χ^2/NDF:30.6/25

Out: 0.005+/-0.010 χ^2/NDF:35.3/29

All: 0.007+/-0.007 χ^2/NDF: 65.9/55

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: 40.573+/-0.010 χ^2/NDF:208460.4/10

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.349+/-0.009 χ^2/NDF:734217.5/9

Left: 36.983+/-0.007 χ^2/NDF: 1163306.3/20

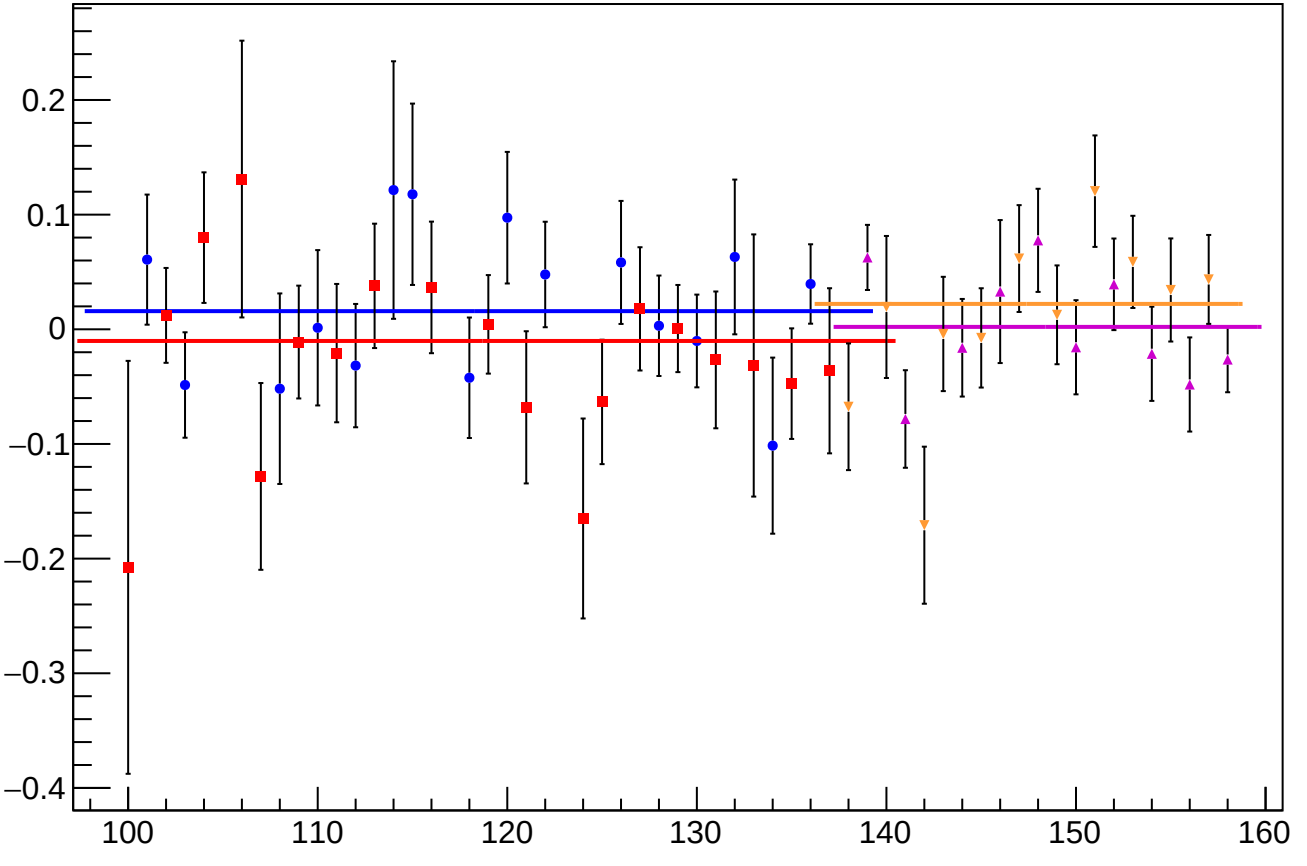
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.364+/-0.006 χ^2/NDF:1102107.0/25

Out: 37.067+/-0.007 χ^2/NDF:1077085.5/29

All: 35.619+/-0.005 χ^2/NDF: 2262698.1/55

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.022+/-0.014 χ^2/NDF:17.4/10

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.012 χ^2/NDF:15.2/9

Left: 0.011+/-0.009 χ^2/NDF: 33.8/20

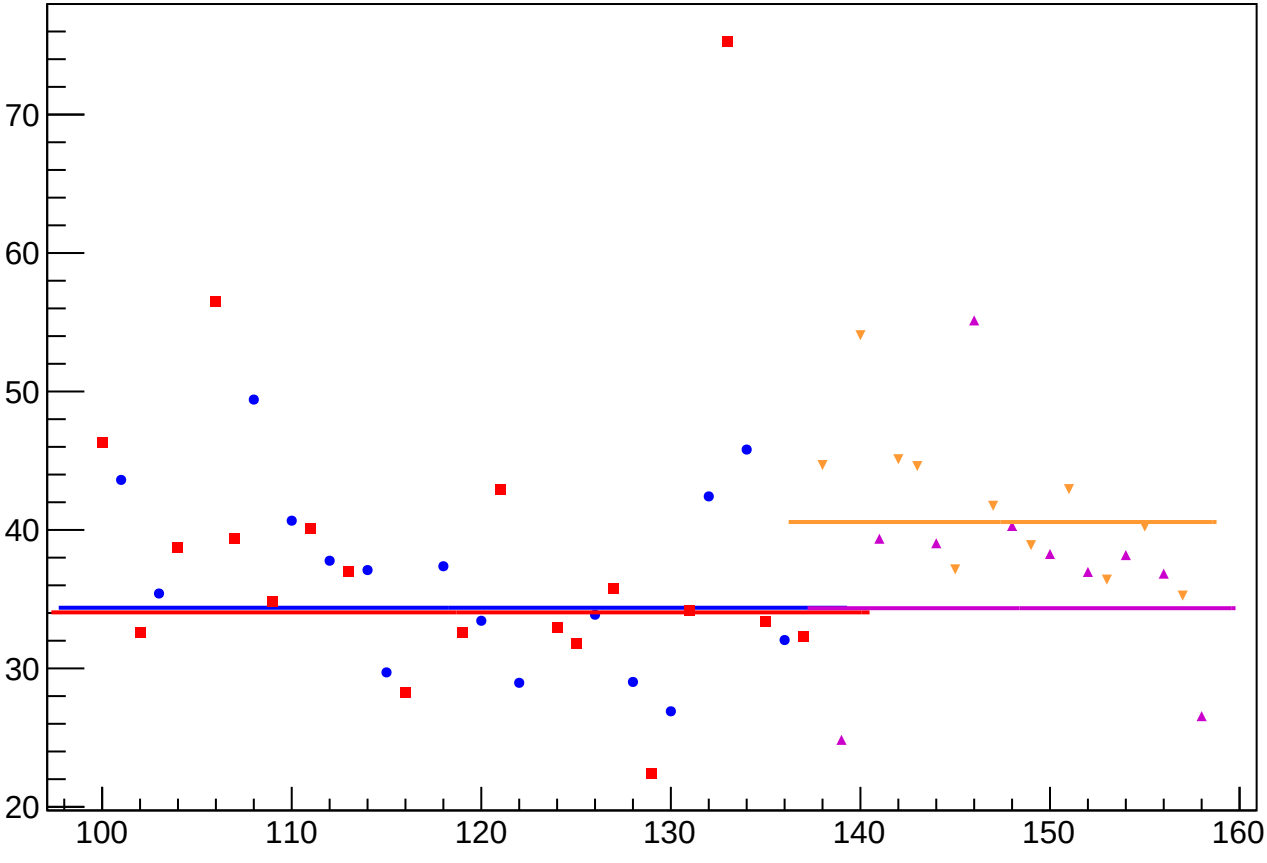
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.009 χ^2/NDF:30.6/25

Out: 0.005+/-0.010 χ^2/NDF:35.3/29

All: 0.007+/-0.007 χ^2/NDF: 65.9/55

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: 40.573+/-0.010 χ^2/NDF:208460.4/10

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.349+/-0.009 χ^2/NDF:734217.5/9

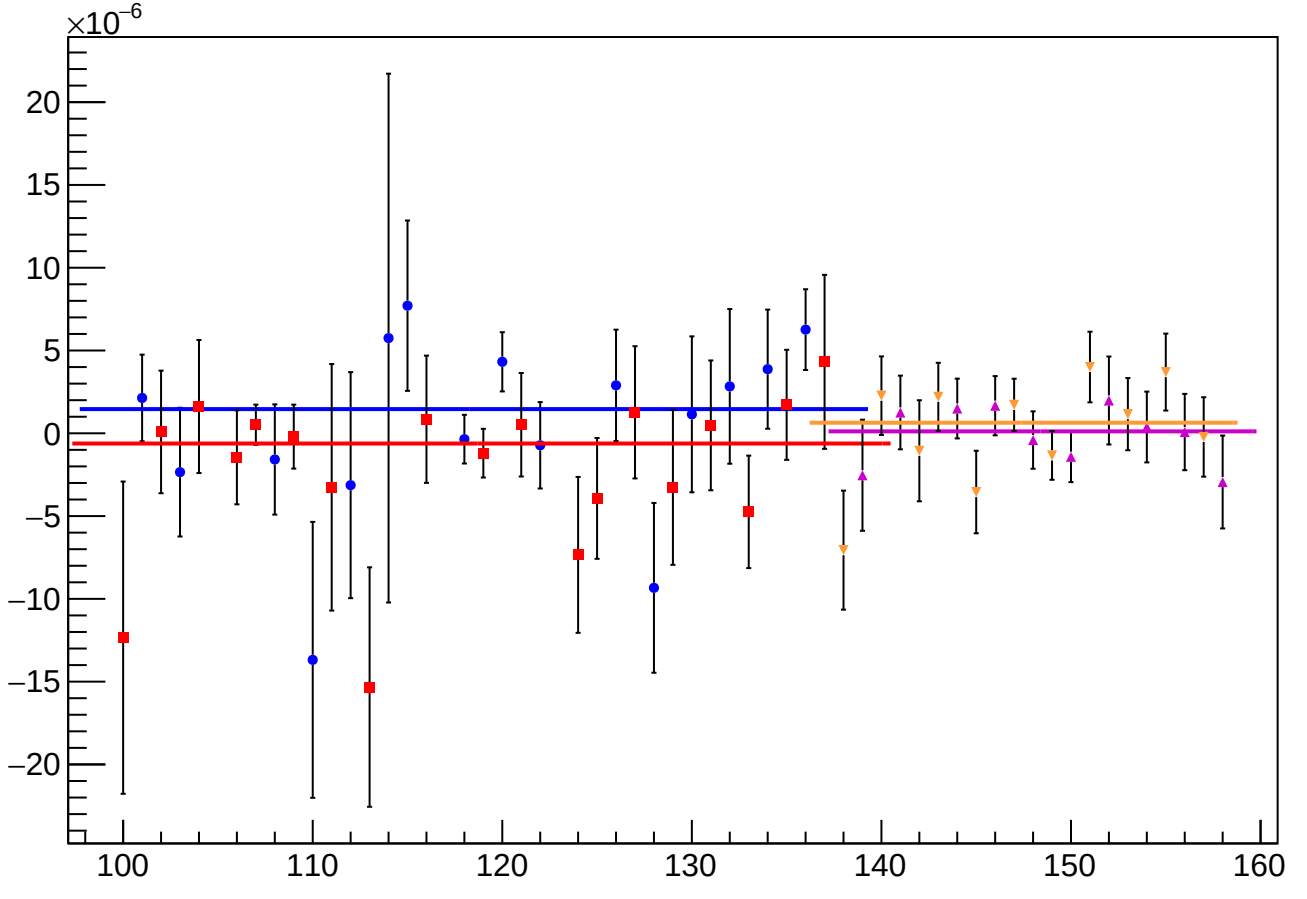
Left: 36.983+/-0.007 χ^2/NDF: 1163306.3/20

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.364+/-0.006 χ^2/NDF:1102107.0/25

Out: 37.067+/-0.007 χ^2/NDF:1077085.5/29

All: 35.619+/-0.005 χ^2/NDF: 2262698.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/9

Left: 0.000+/-0.000 χ^2/NDF: 20.8/20

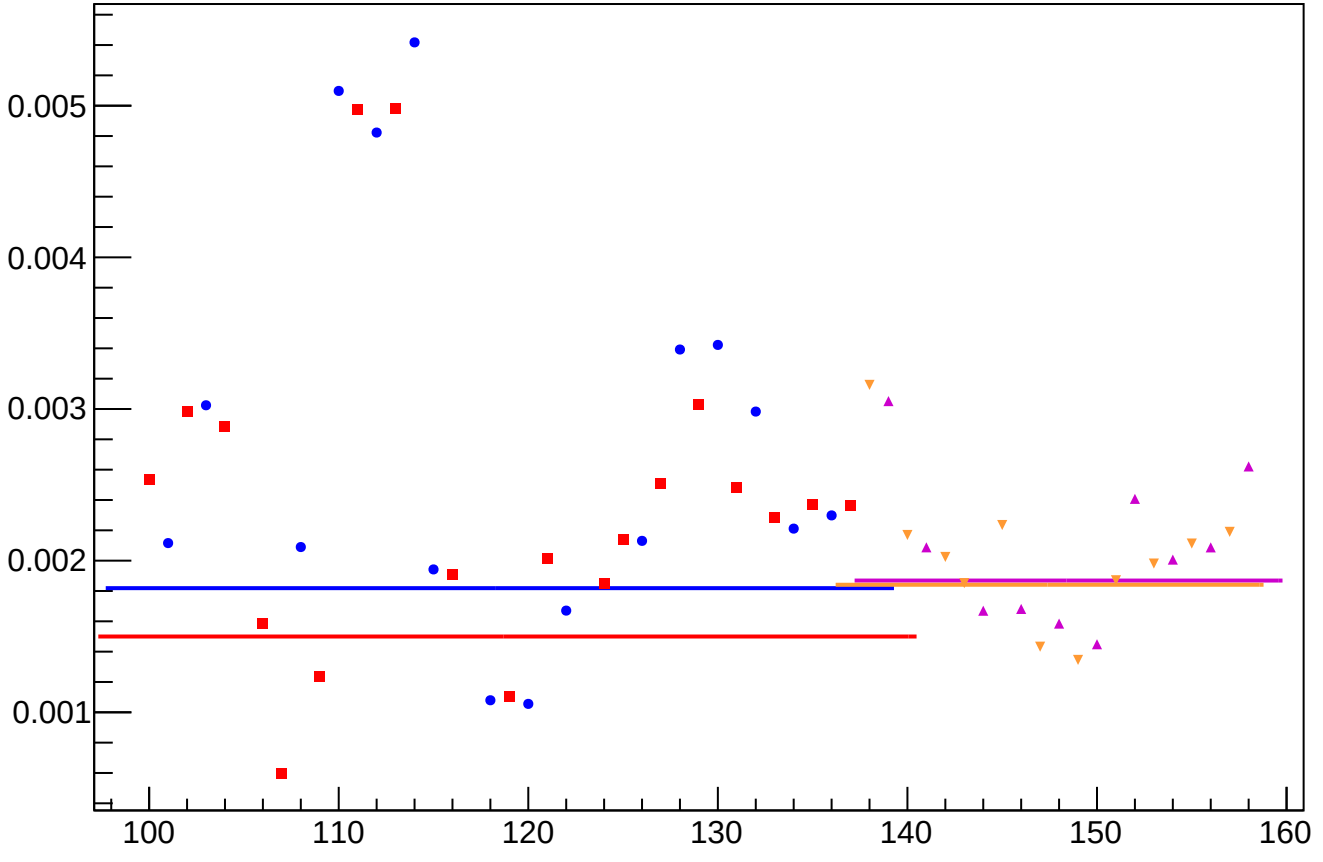
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:27.8/25

Out: 0.000+/-0.000 χ^2/NDF:31.3/29

All: 0.000+/-0.000 χ^2/NDF: 60.1/55

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:803427.5/10

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:770946.5/9

Left: 0.002+/-0.000 χ^2/NDF: 1576200.9/20

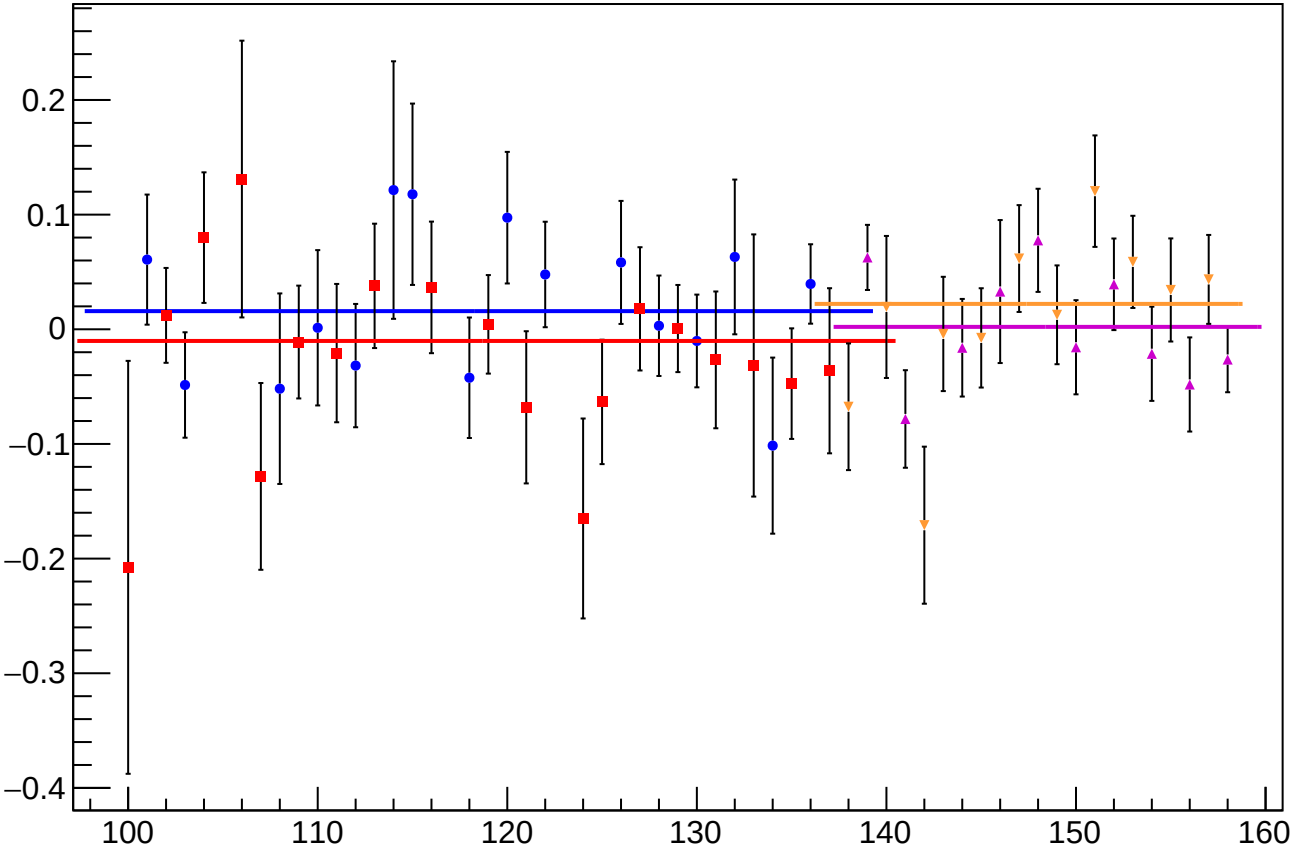
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3346260.1/25

Out: 0.002+/-0.000 χ^2/NDF:4772840.9/29

All: 0.002+/-0.000 χ^2/NDF: 8256597.4/55

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: 0.022+/-0.014 χ^2/NDF:17.4/10

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.012 χ^2/NDF:15.2/9

Left: 0.011+/-0.009 χ^2/NDF: 33.8/20

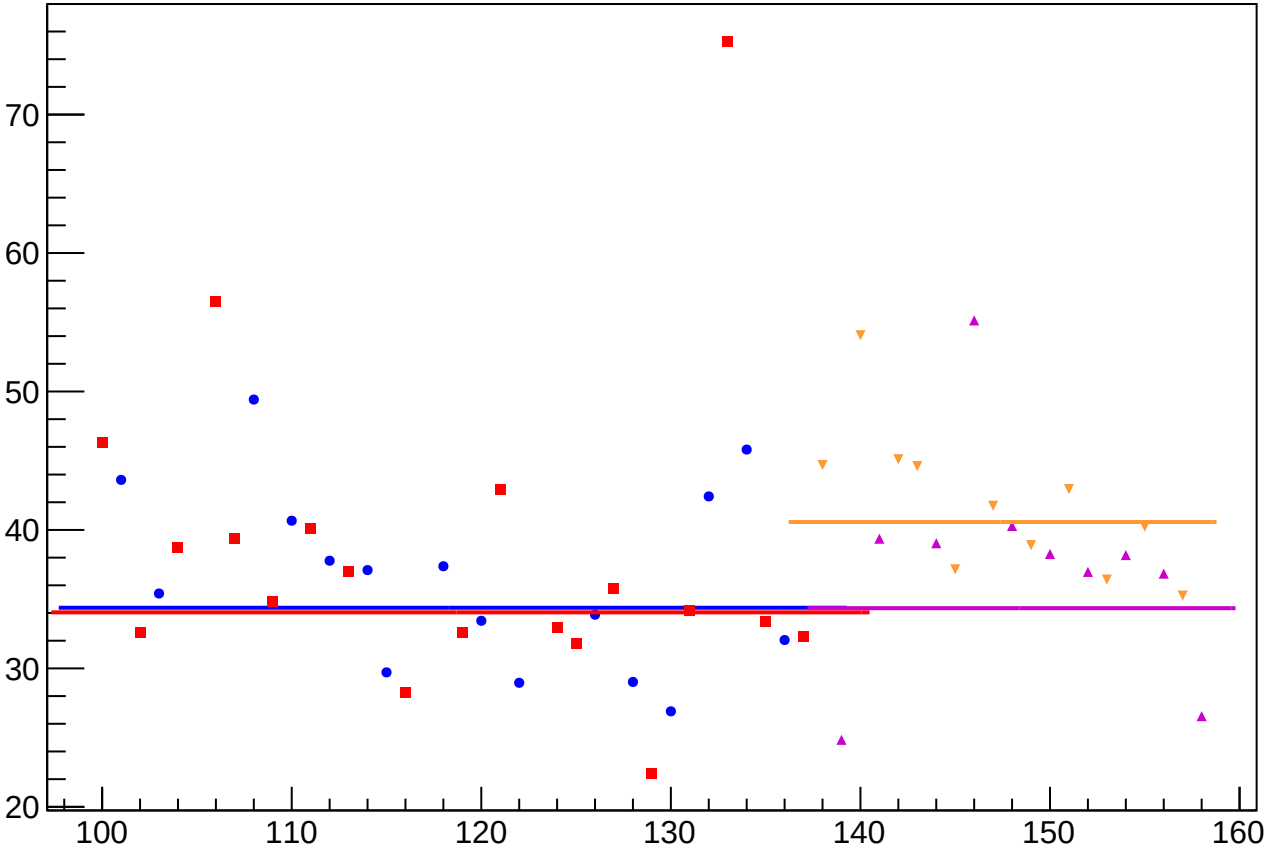
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.009 χ^2/NDF:30.6/25

Out: 0.005+/-0.010 χ^2/NDF:35.3/29

All: 0.007+/-0.007 χ^2/NDF: 65.9/55

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: 40.573+/-0.010 χ^2/NDF:208446.2/10

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.350+/-0.009 χ^2/NDF:734270.6/9

Left: 36.984+/-0.007 χ^2/NDF: 1163367.9/20

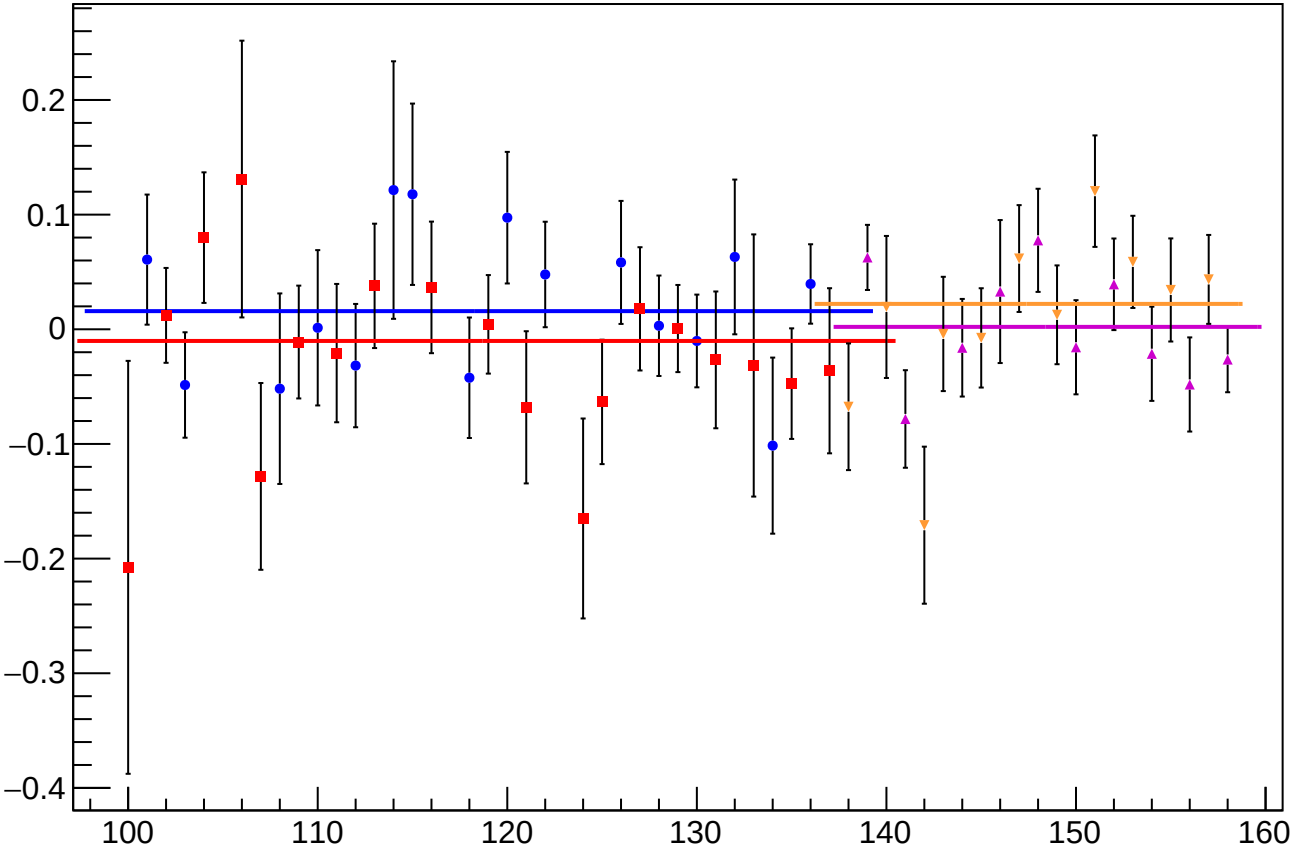
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.364+/-0.006 χ^2/NDF:1102216.8/25

Out: 37.067+/-0.007 χ^2/NDF:1077195.8/29

All: 35.619+/-0.005 χ^2/NDF: 2262926.6/55

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: 0.022+/-0.014 χ^2/NDF:17.4/10

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.012 χ^2/NDF:15.2/9

Left: 0.011+/-0.009 χ^2/NDF: 33.8/20

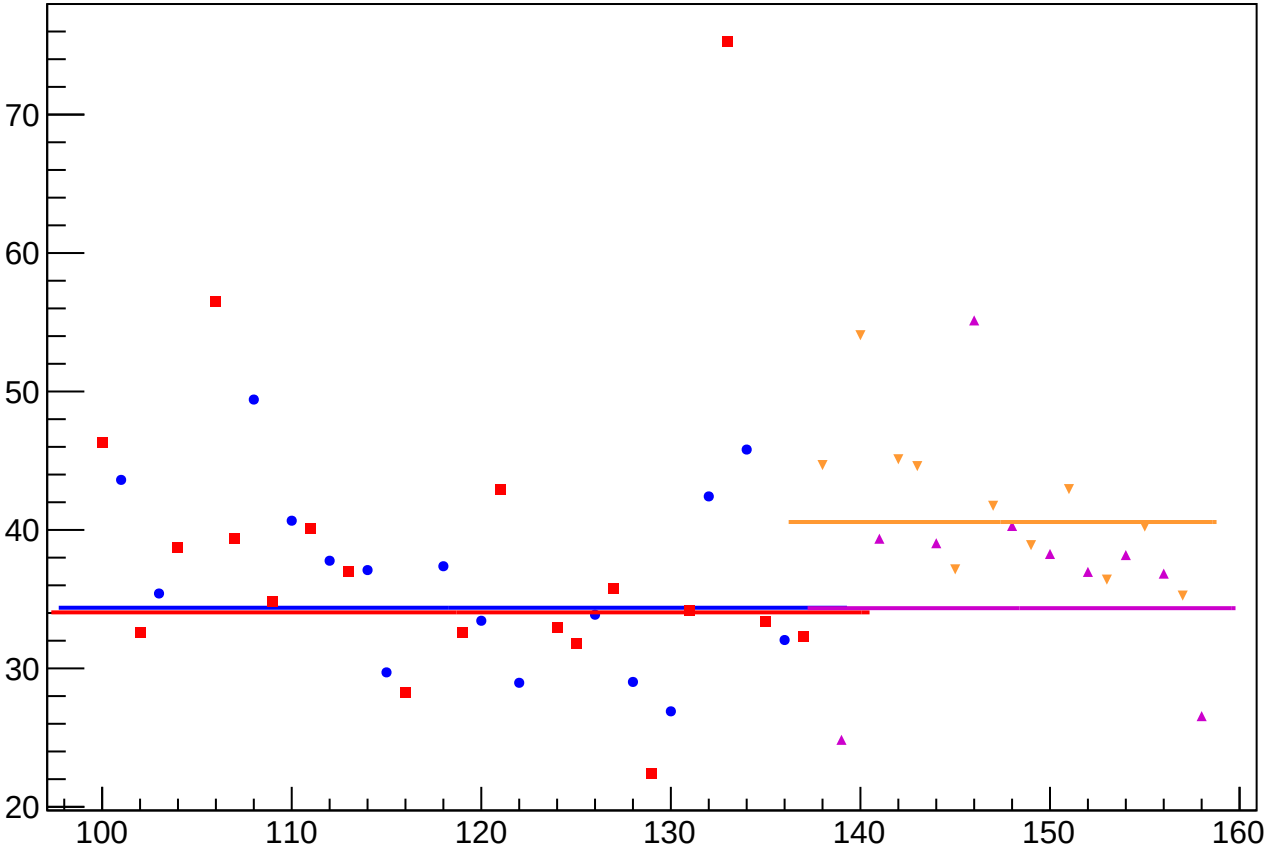
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.009 χ^2/NDF:30.6/25

Out: 0.005+/-0.010 χ^2/NDF:35.3/29

All: 0.007+/-0.007 χ^2/NDF: 65.9/55

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: 40.573+/-0.010 χ^2/NDF:208446.2/10

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.350+/-0.009 χ^2/NDF:734270.6/9

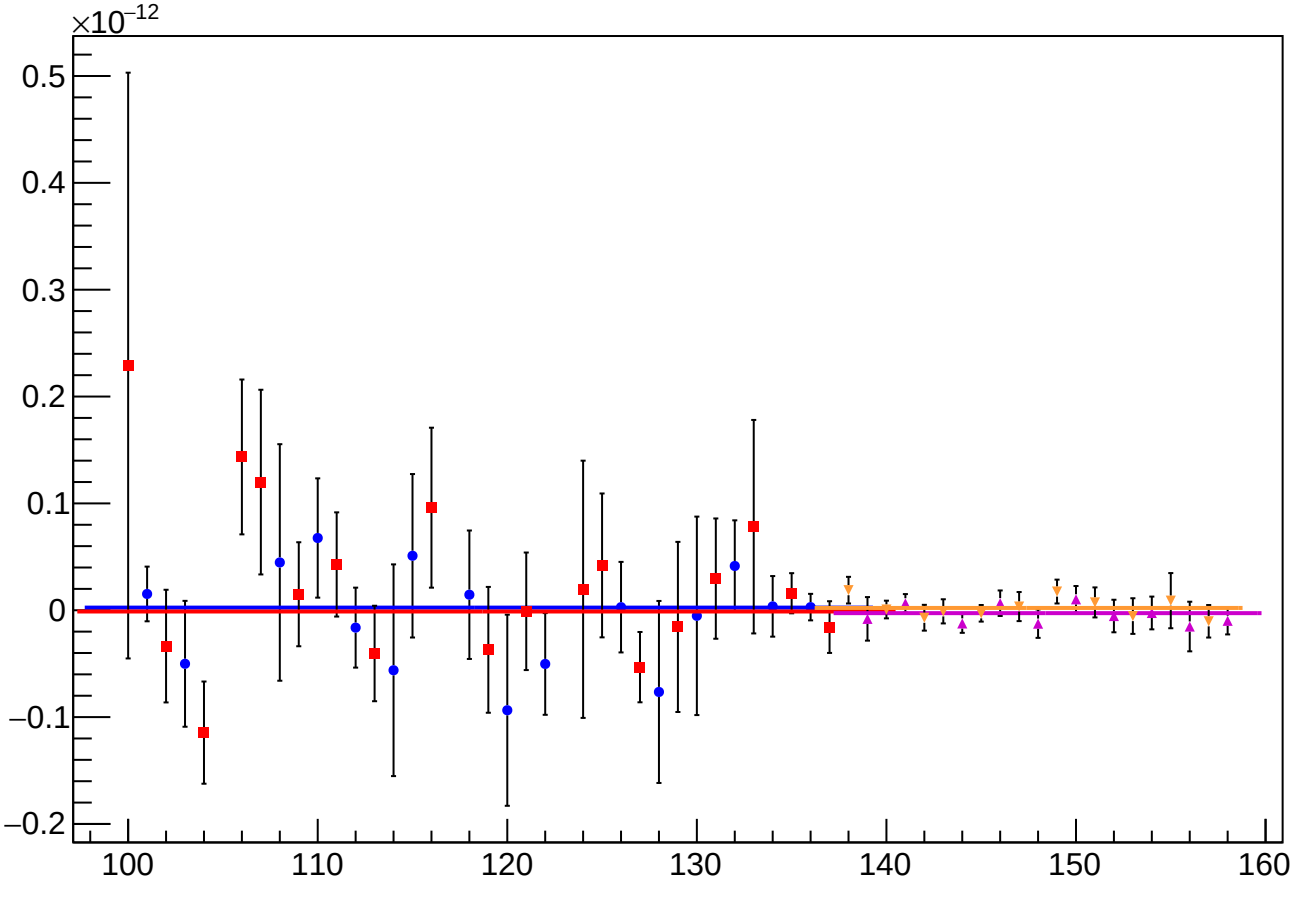
Left: 36.984+/-0.007 χ^2/NDF: 1163367.9/20

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.364+/-0.006 χ^2/NDF:1102216.8/25

Out: 37.067+/-0.007 χ^2/NDF:1077195.8/29

All: 35.619+/-0.005 χ^2/NDF: 2262926.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/9

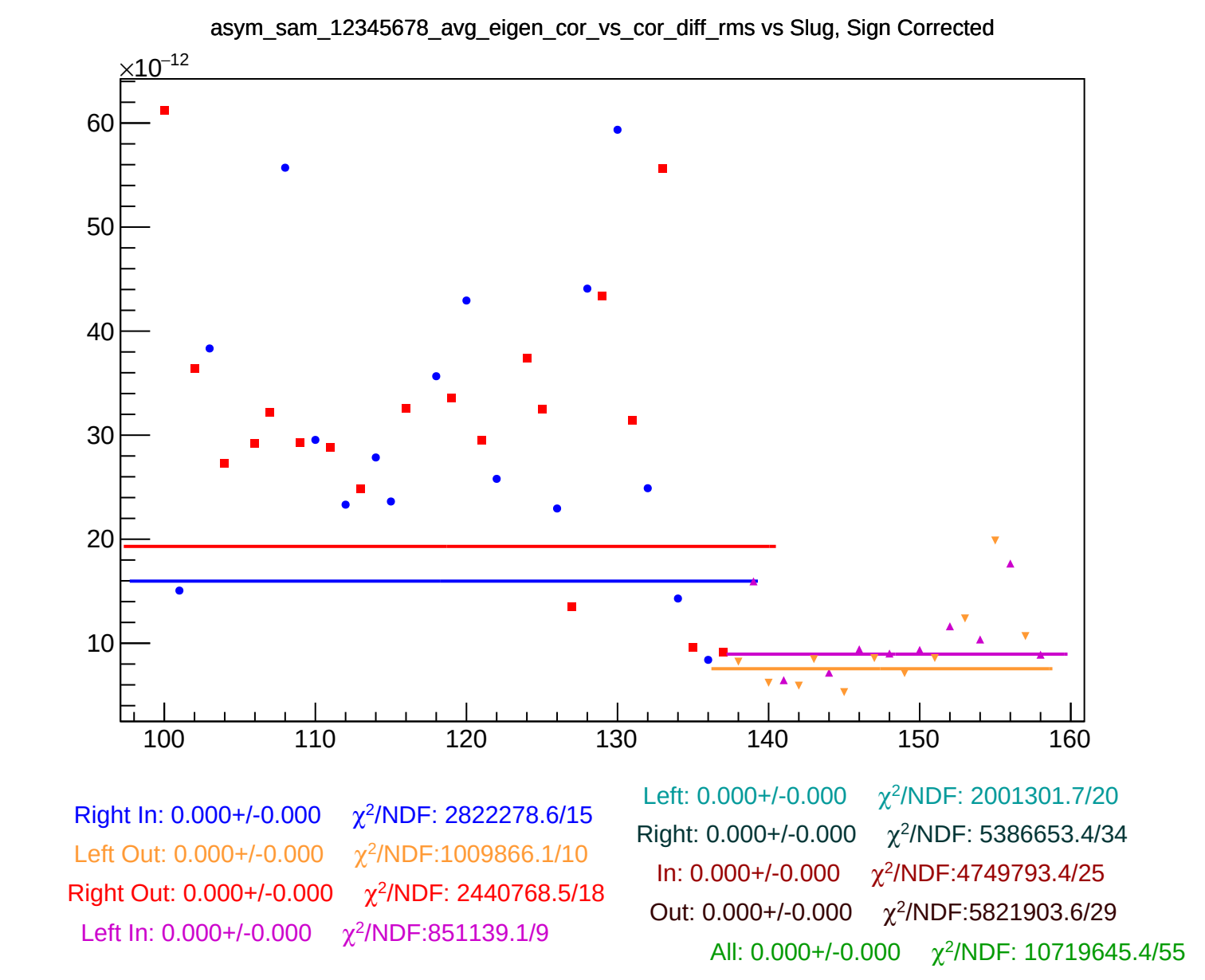
Left: -0.000+/-0.000 χ^2/NDF: 12.0/20

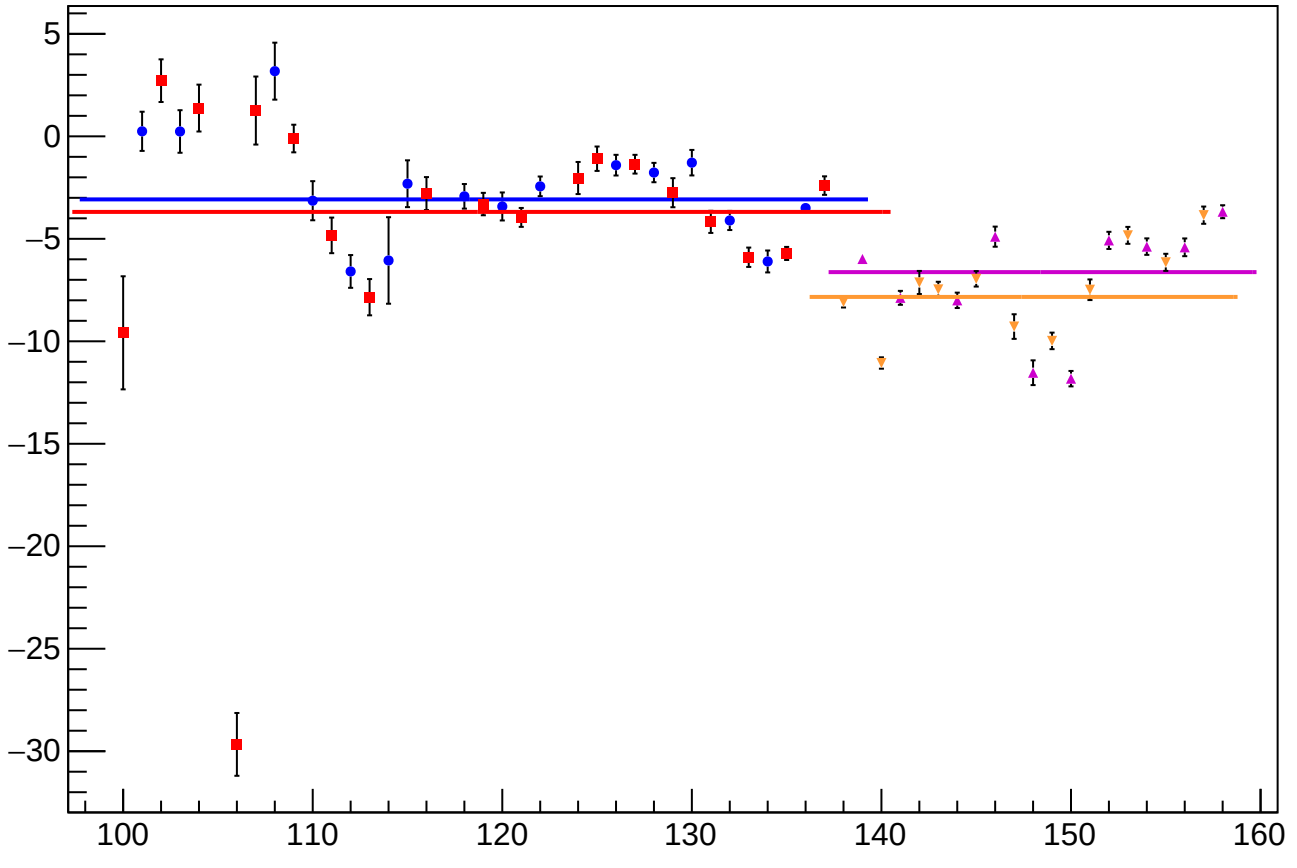
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:13.3/25

Out: 0.000+/-0.000 χ^2/NDF:27.5/29

All: 0.000+/-0.000 χ^2/NDF: 41.3/55


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1009866.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:851139.1/9
Left: 0.000+/-0.000 χ²/NDF: 2001301.7/20
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4749793.4/25
Out: 0.000+/-0.000 χ²/NDF:5821903.6/29
All: 0.000+/-0.000 χ²/NDF: 10719645.4/55



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.835+/-0.116 χ^2/NDF:337.4/10

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.625+/-0.116 χ^2/NDF:421.0/9

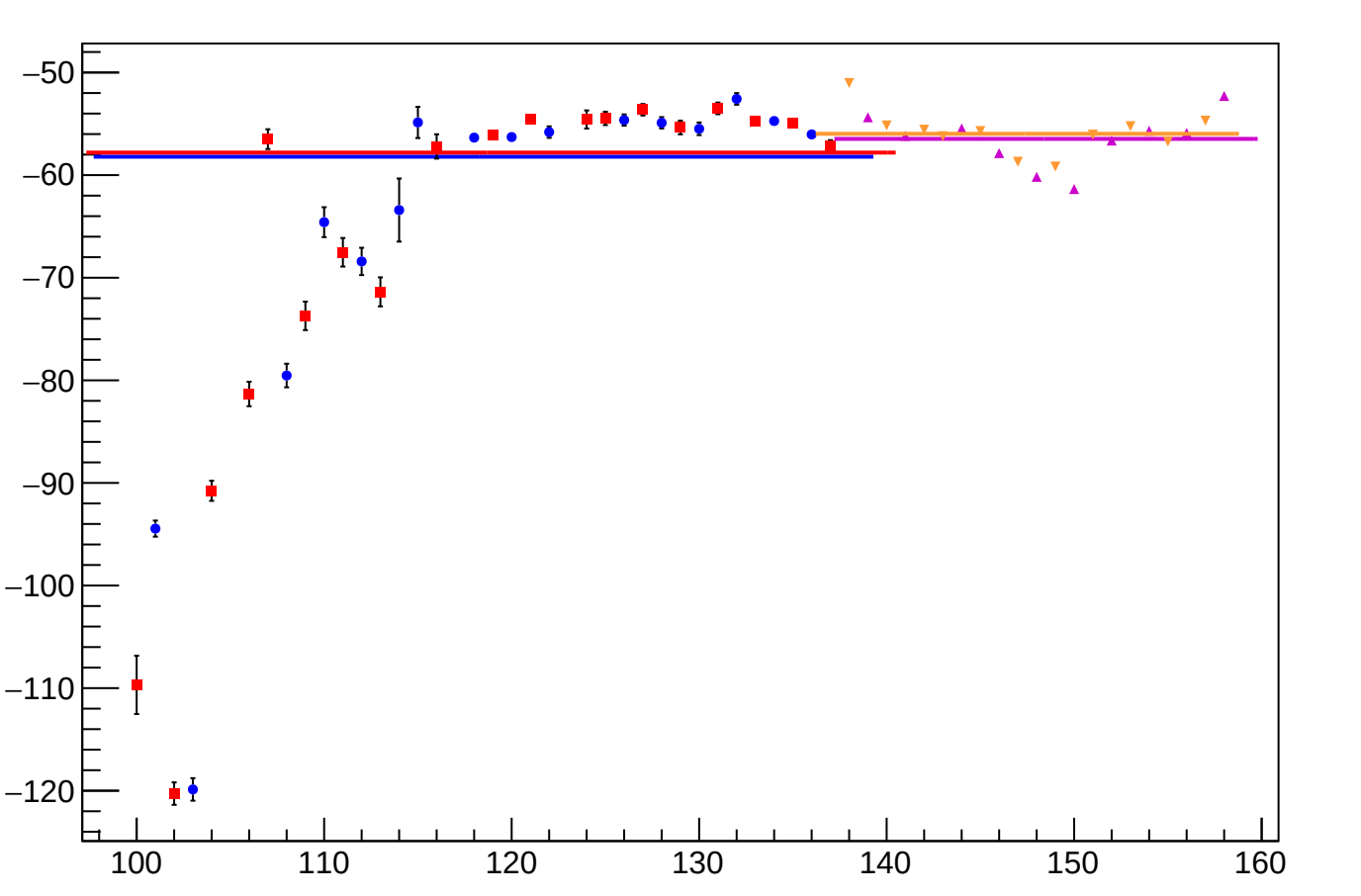
Left: -7.229+/-0.082 χ^2/NDF: 812.8/20

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.120+/-0.088 χ^2/NDF:951.3/25

Out: -6.146+/-0.089 χ^2/NDF:1391.1/29

All: -5.625+/-0.063 χ^2/NDF: 2409.1/55



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.972+/-0.086 χ^2/NDF:542.2/10

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -56.468+/-0.088 χ^2/NDF:967.9/9

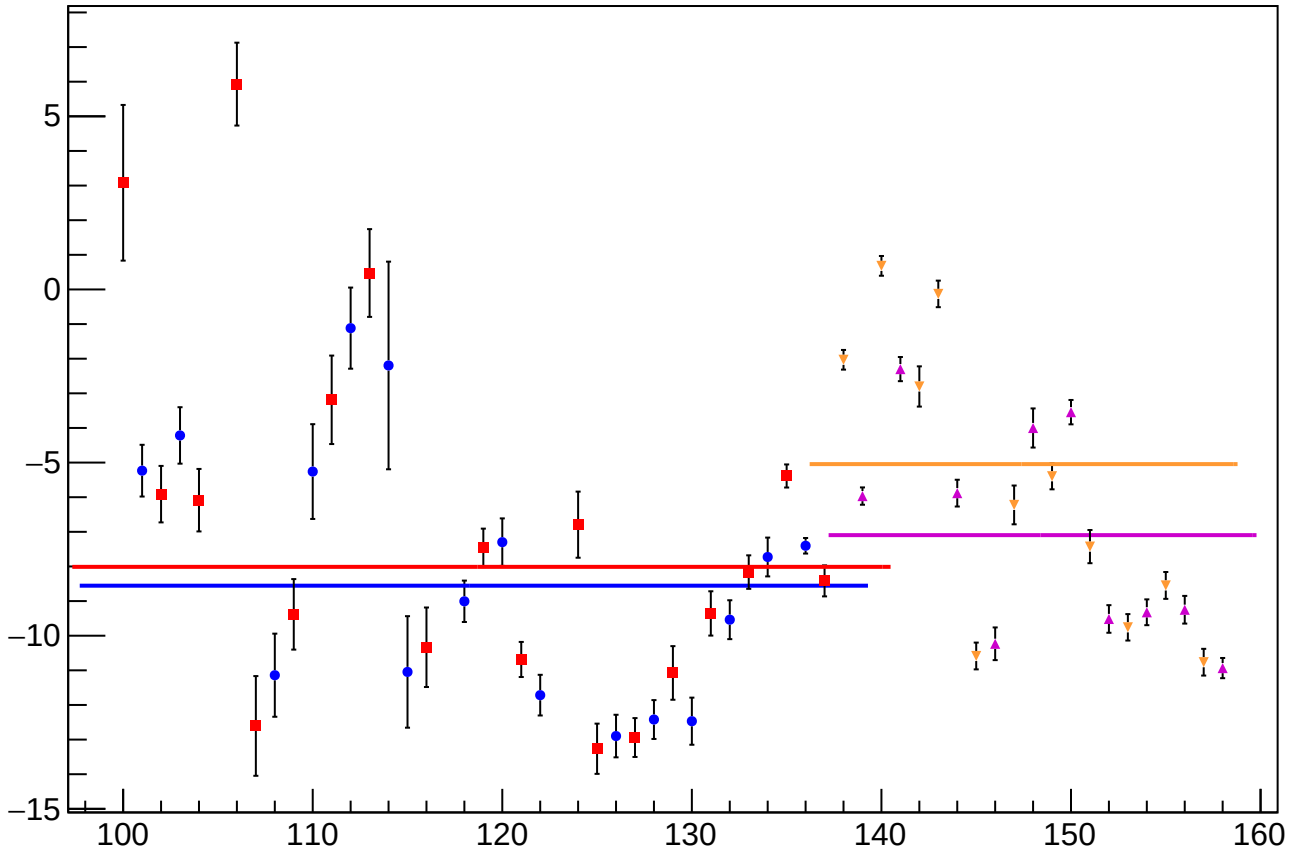
Left: -56.216+/-0.061 χ^2/NDF: 1526.4/20

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -56.980+/-0.074 χ^2/NDF:7210.5/25

Out: -56.484+/-0.073 χ^2/NDF:6461.0/29

All: -56.730+/-0.052 χ^2/NDF: 13694.3/55



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.044+/-0.115 χ^2/NDF:1382.7/10

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.095+/-0.113 χ^2/NDF:669.9/9

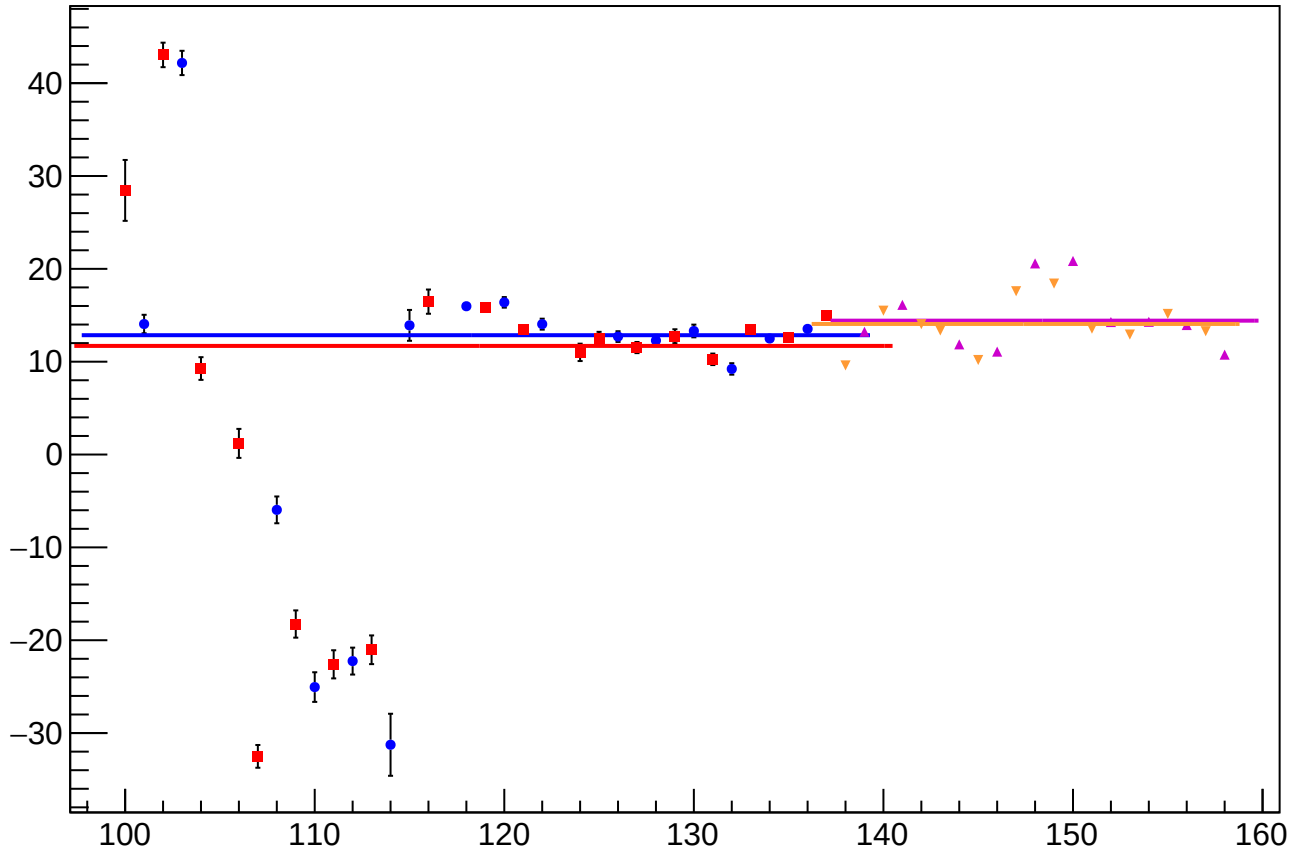
Left: -6.084+/-0.081 χ^2/NDF: 2214.5/20

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.649+/-0.089 χ^2/NDF:1033.8/25

Out: -6.113+/-0.092 χ^2/NDF:2112.8/29

All: -6.904+/-0.064 χ^2/NDF: 3290.6/55



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.065+/-0.102 χ^2/NDF:627.0/10

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 14.419+/-0.101 χ^2/NDF:1155.3/9

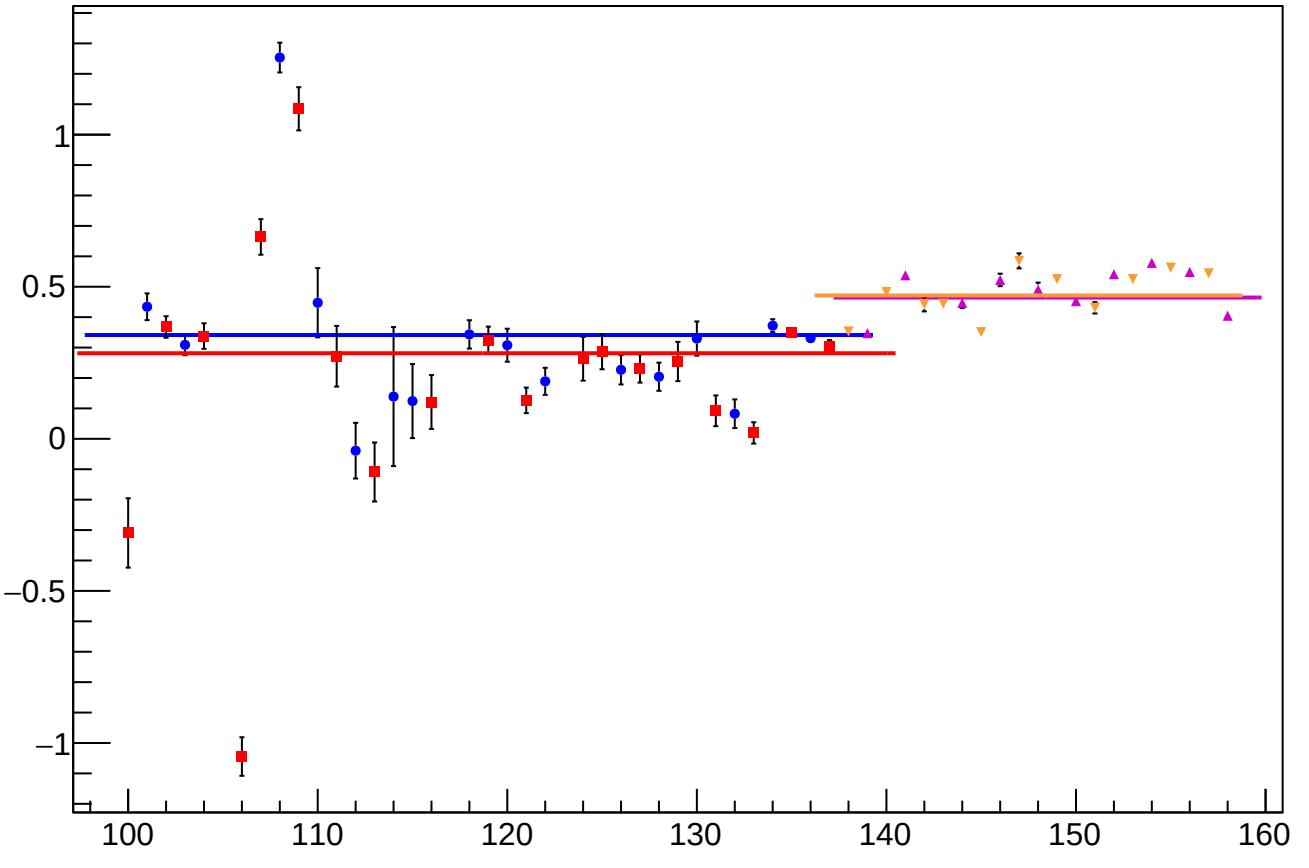
Left: 14.244+/-0.072 χ^2/NDF: 1788.4/20

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.935+/-0.084 χ^2/NDF:3358.6/25

Out: 13.351+/-0.085 χ^2/NDF:4288.3/29

All: 13.648+/-0.060 χ^2/NDF: 7670.9/55



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.471+/-0.004 χ^2/NDF:321.3/10

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.464+/-0.004 χ^2/NDF:398.4/9

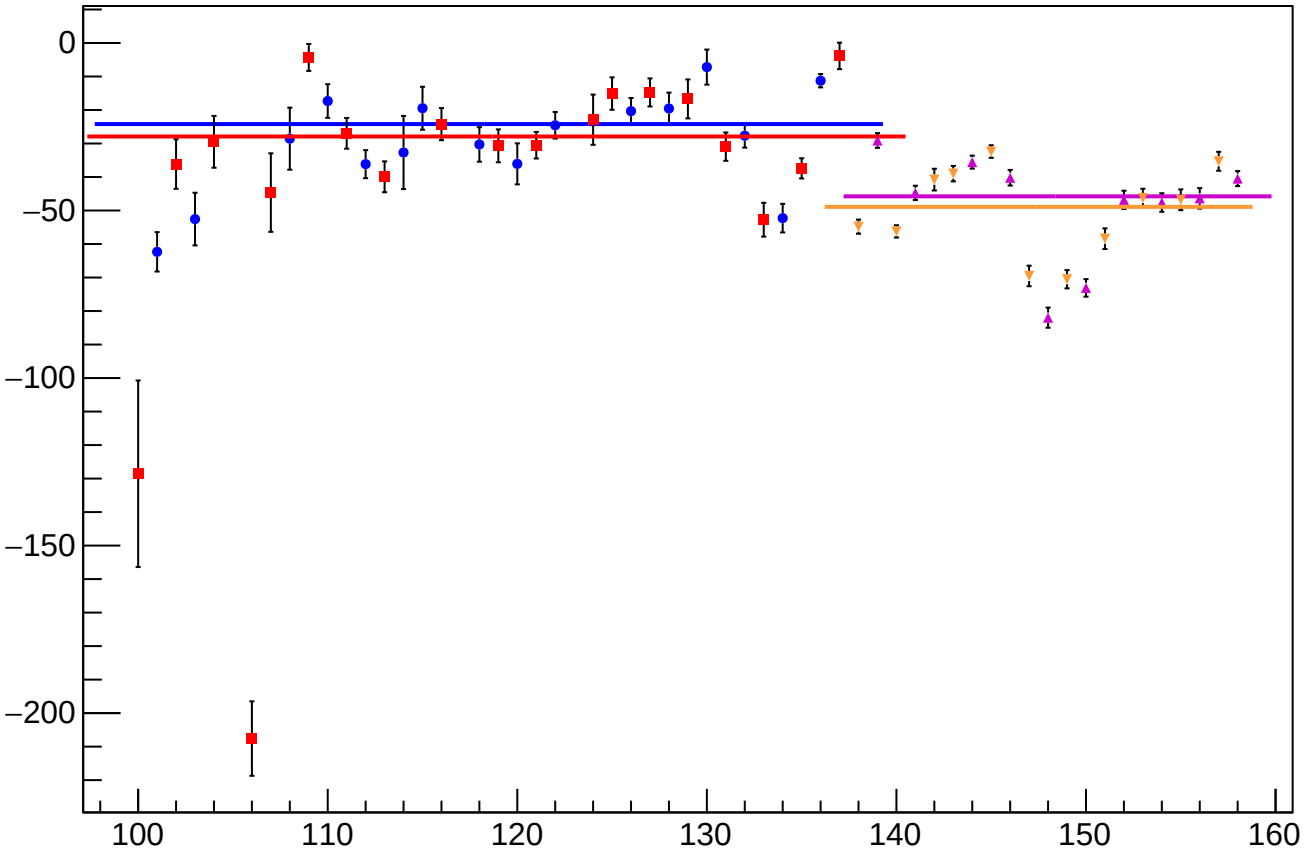
Left: 0.468+/-0.003 χ^2/NDF: 721.0/20

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.437+/-0.004 χ^2/NDF:1024.1/25

Out: 0.431+/-0.004 χ^2/NDF:1494.8/29

All: 0.434+/-0.003 χ^2/NDF: 2520.5/55



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -48.907+/-0.746 χ^2/NDF:267.8/10

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -45.770+/-0.767 χ^2/NDF:351.0/9

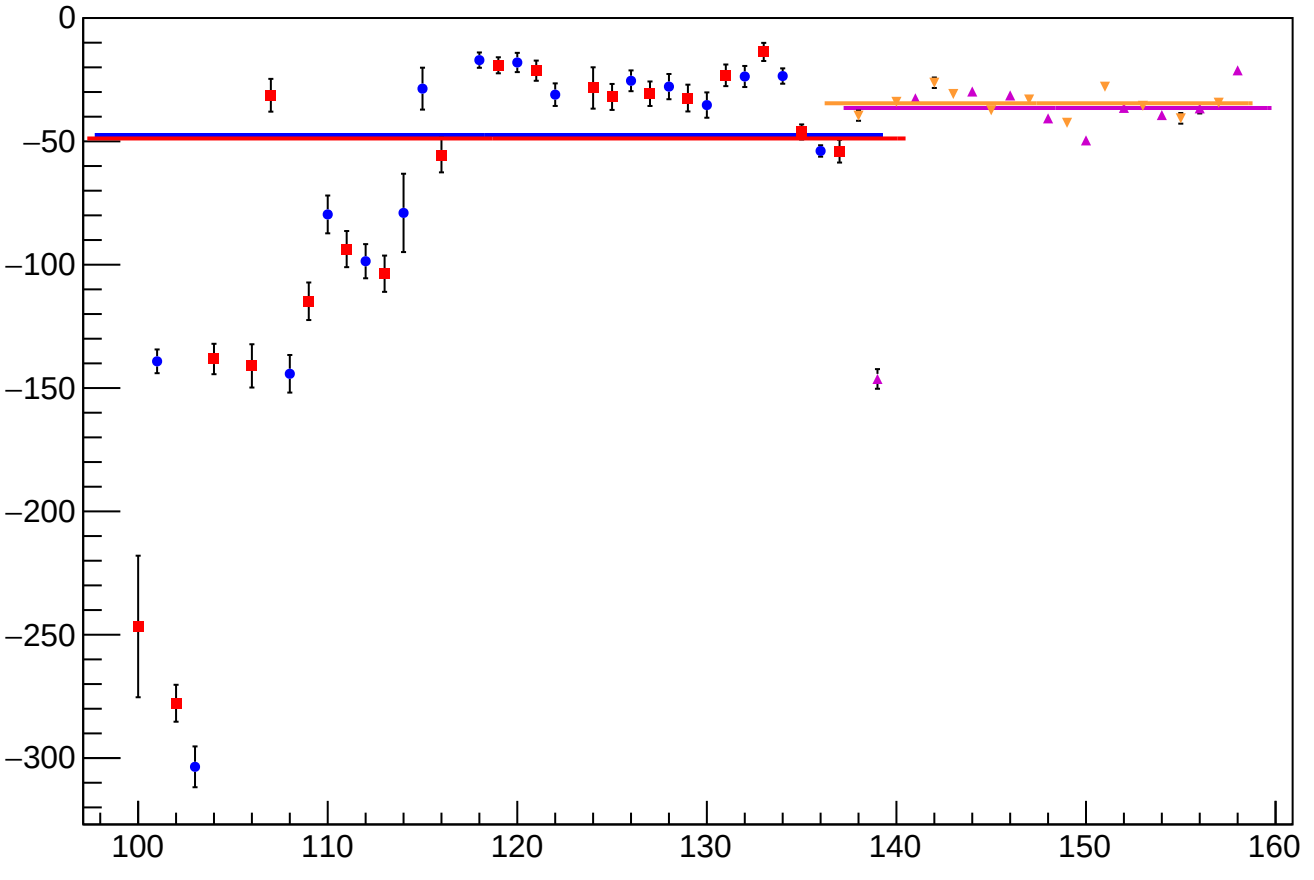
Left: -47.382+/-0.535 χ^2/NDF: 627.4/20

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -38.598+/-0.627 χ^2/NDF:784.7/25

Out: -42.588+/-0.624 χ^2/NDF:919.7/29

All: -40.602+/-0.442 χ^2/NDF: 1724.8/55



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.562+/-0.525 χ^2/NDF:76.4/10

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -36.480+/-0.531 χ^2/NDF:968.4/9

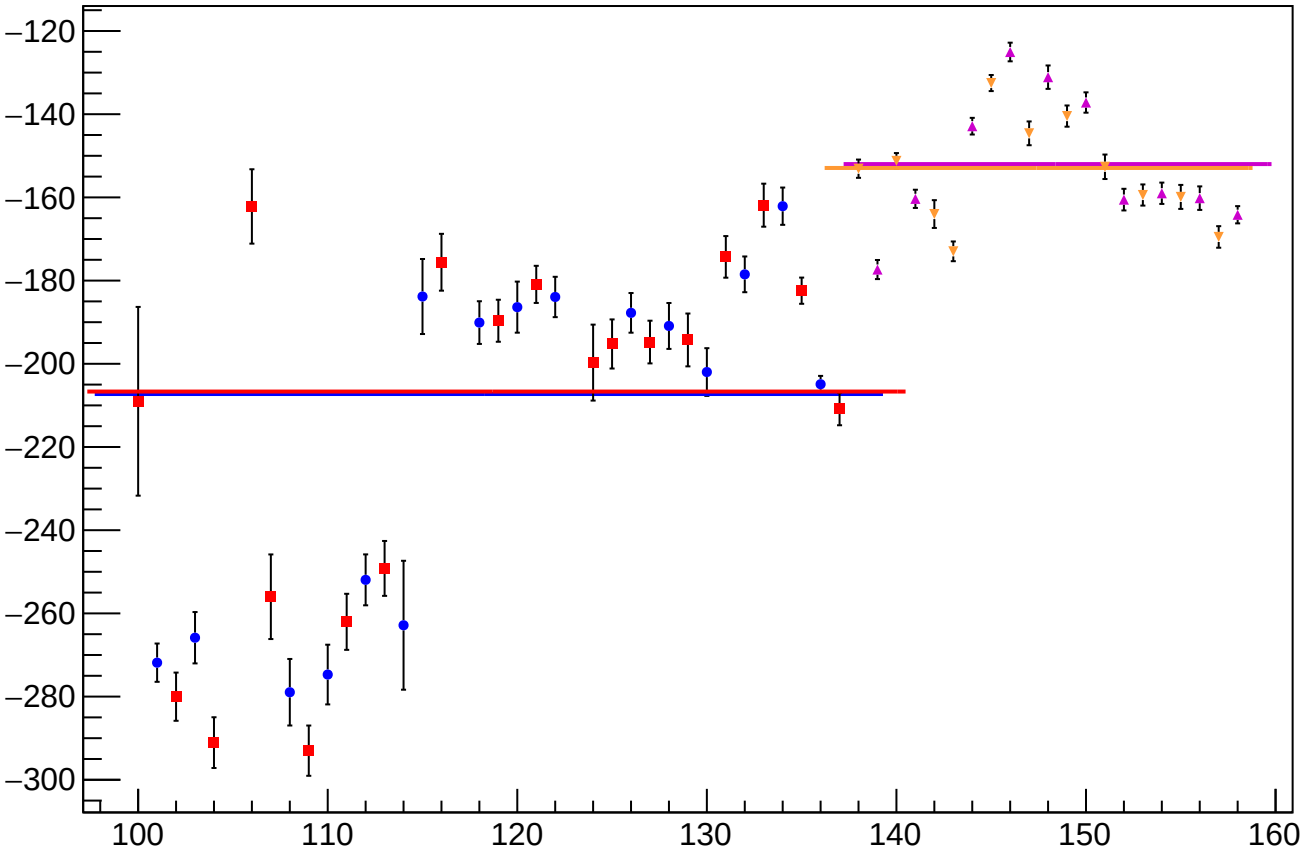
Left: -35.511+/-0.373 χ^2/NDF: 1051.3/20

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -38.542+/-0.478 χ^2/NDF:2922.0/25

Out: -36.913+/-0.480 χ^2/NDF:1972.6/29

All: -37.731+/-0.339 χ^2/NDF: 4900.4/55



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -152.925+/-0.738 χ^2/NDF:280.3/10

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -151.991+/-0.746 χ^2/NDF:454.8/9

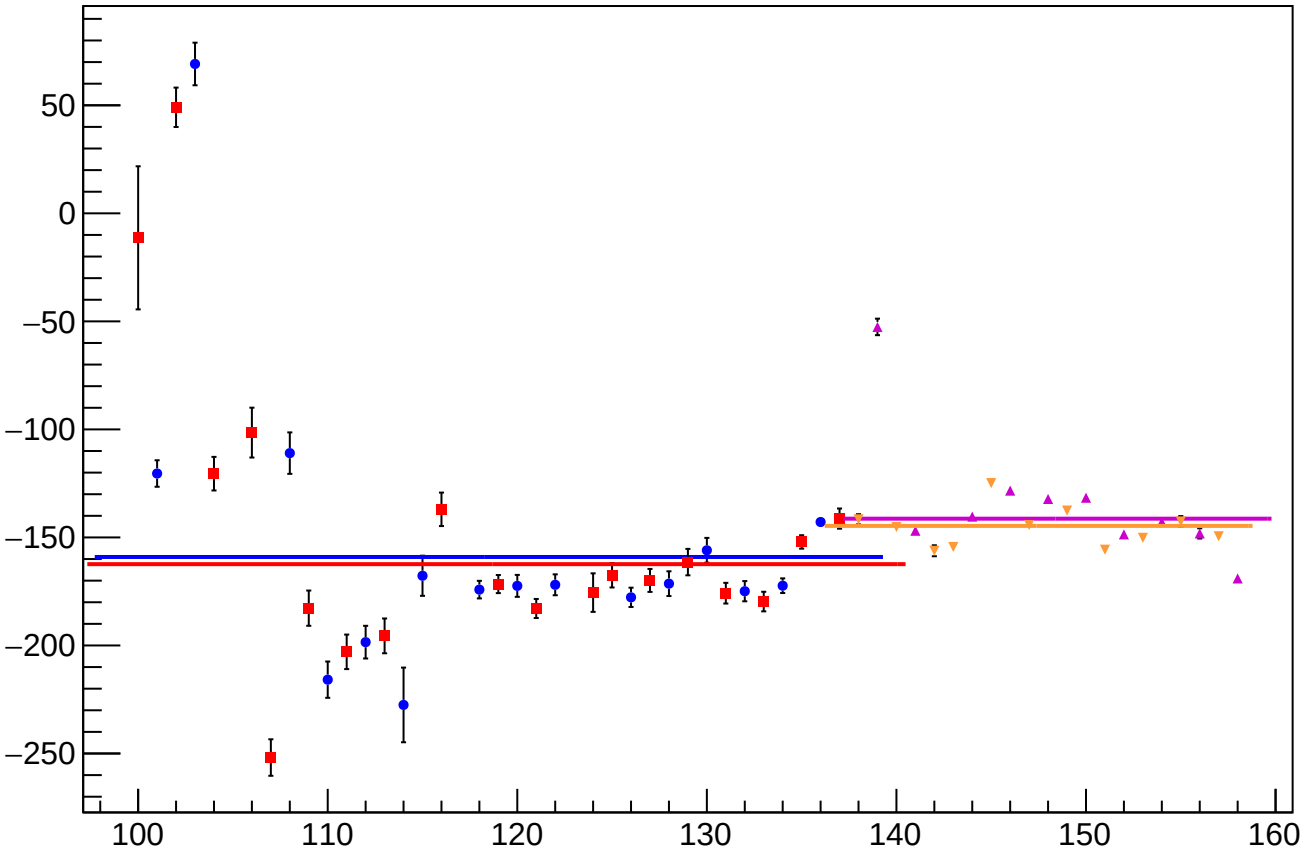
Left: -152.463+/-0.524 χ^2/NDF: 735.8/20

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -167.796+/-0.630 χ^2/NDF:2774.6/25

Out: -166.331+/-0.639 χ^2/NDF:2574.2/29

All: -167.074+/-0.449 χ^2/NDF: 5351.5/55



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -144.657+/-0.631 χ^2/NDF:223.3/10

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -141.321+/-0.627 χ^2/NDF:965.7/9

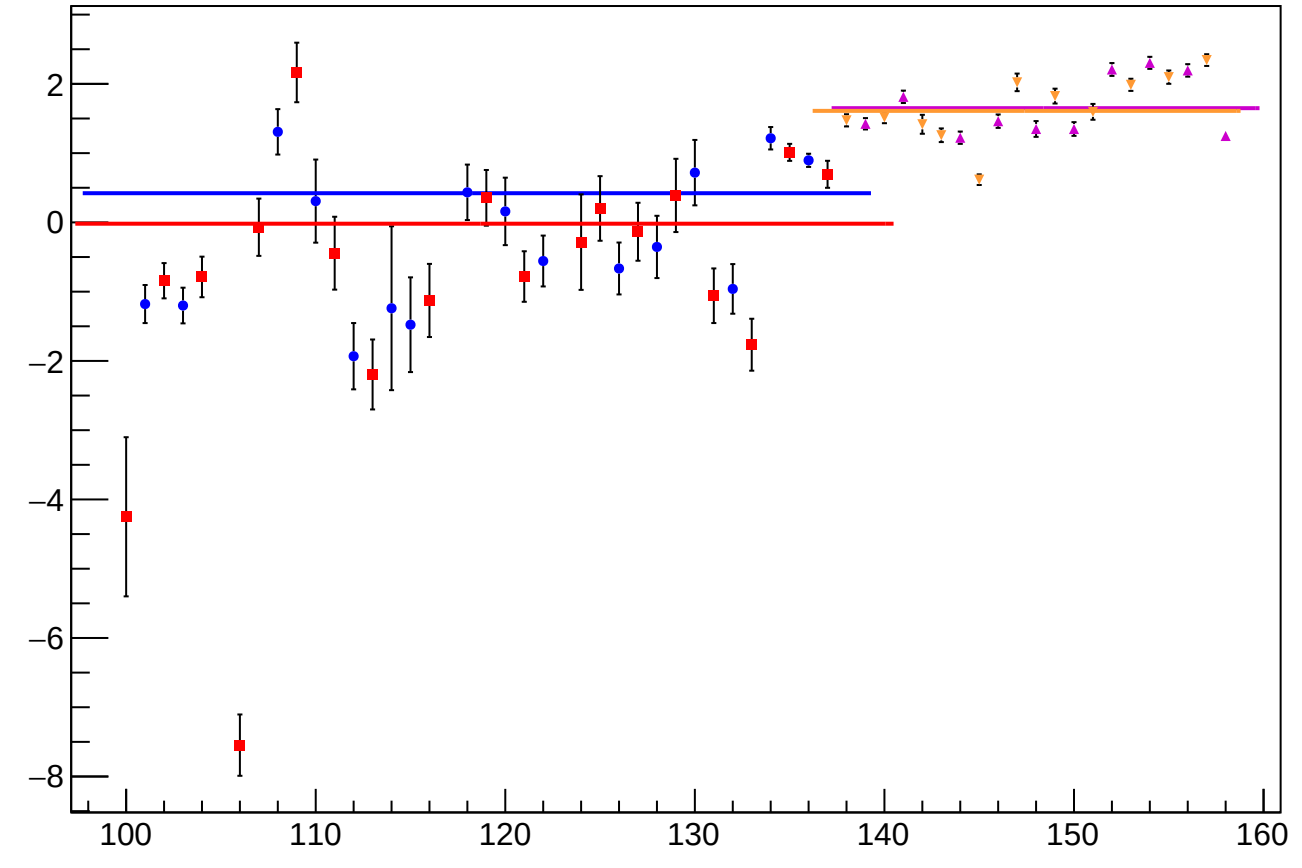
Left: -142.977+/-0.445 χ^2/NDF: 1203.1/20

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -144.997+/-0.558 χ^2/NDF:1947.4/25

Out: -147.936+/-0.570 χ^2/NDF:1241.7/29

All: -146.436+/-0.399 χ^2/NDF: 3202.6/55



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.610+/-0.029 χ^2/NDF:319.4/10

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.649+/-0.028 χ^2/NDF:213.9/9

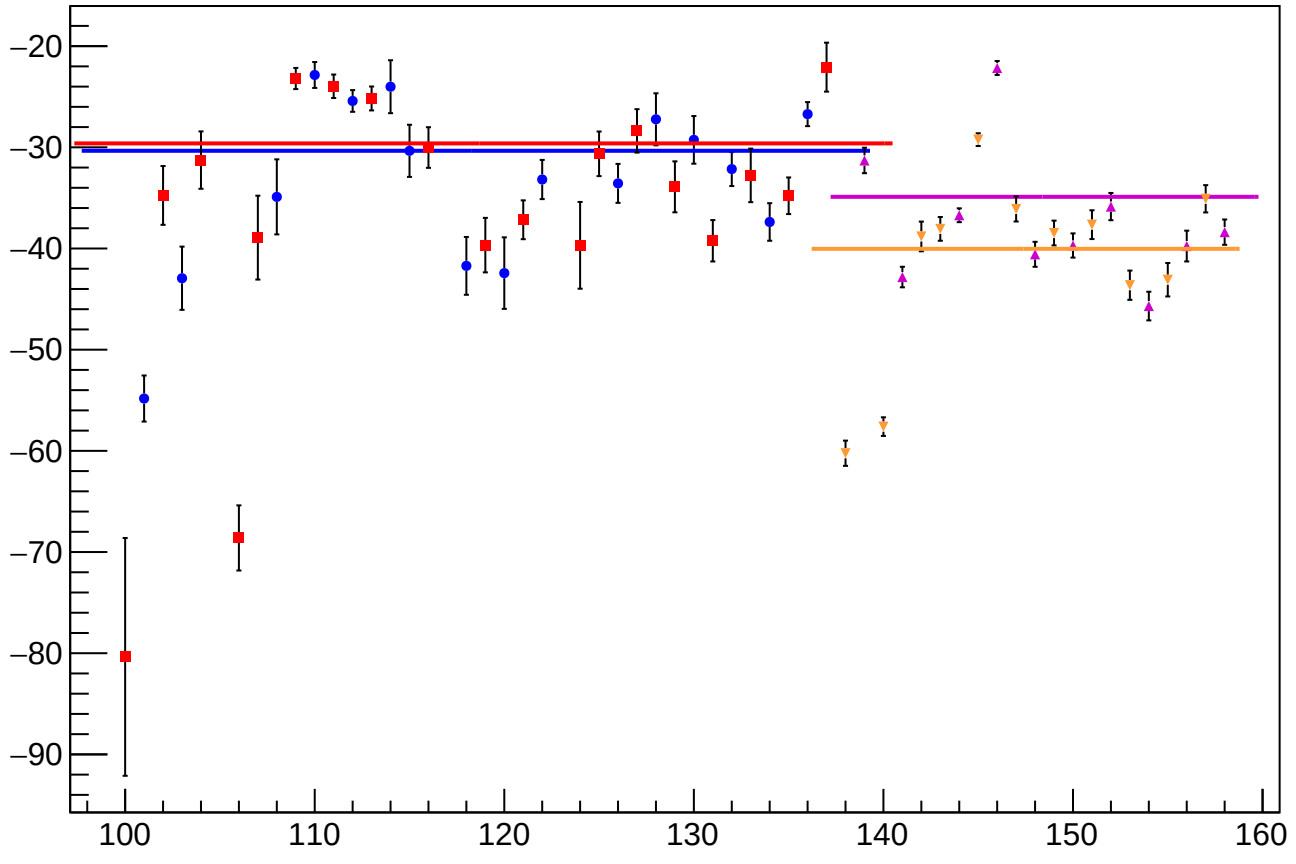
Left: 1.630+/-0.020 χ^2/NDF: 534.2/20

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.452+/-0.026 χ^2/NDF:712.9/25

Out: 1.386+/-0.027 χ^2/NDF:1245.2/29

All: 1.420+/-0.019 χ^2/NDF: 1961.3/55



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.029+/-0.339 χ^2/NDF:959.4/10

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -34.892+/-0.328 χ^2/NDF:529.6/9

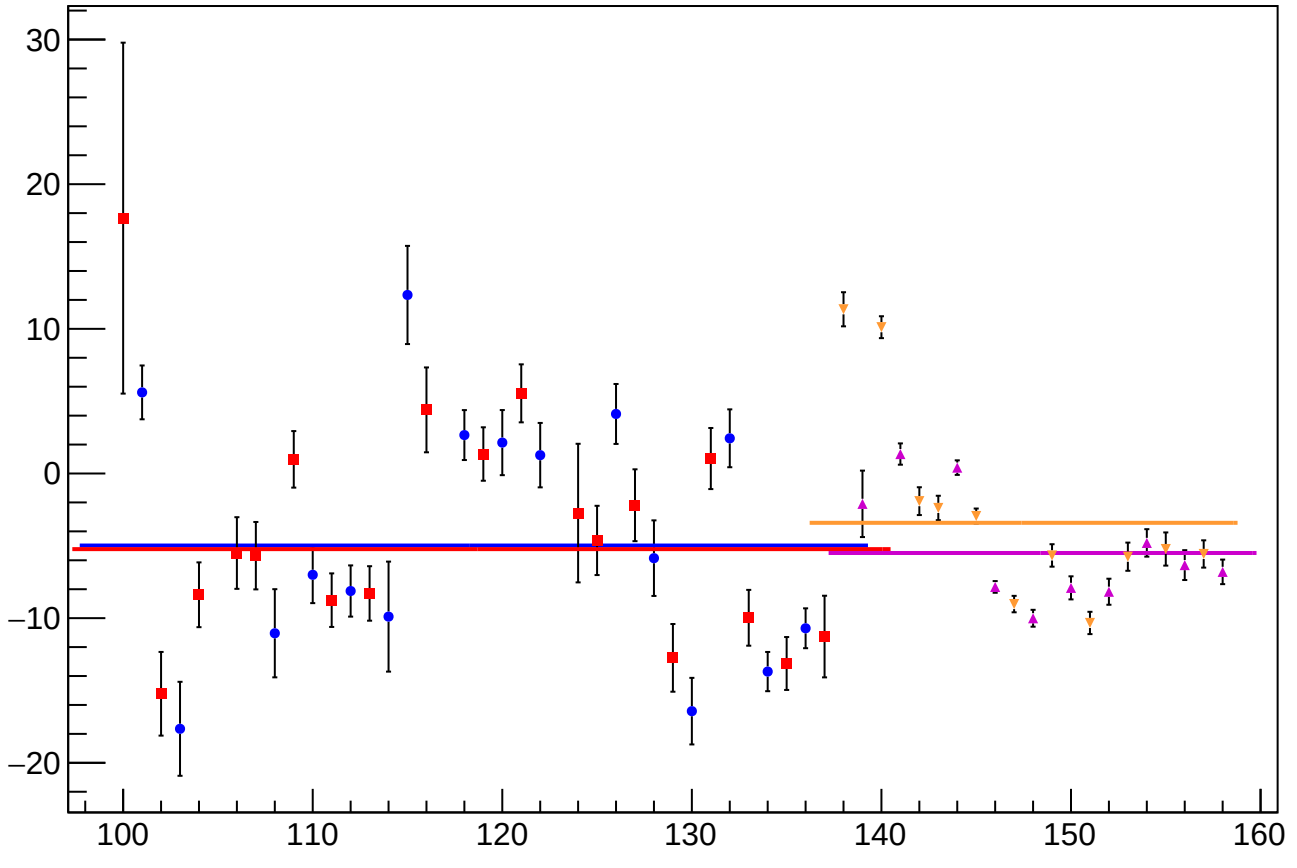
Left: -37.378+/-0.235 χ^2/NDF: 1607.8/20

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -33.394+/-0.268 χ^2/NDF:846.7/25

Out: -36.269+/-0.271 χ^2/NDF:1630.2/29

All: -34.820+/-0.191 χ^2/NDF: 2533.8/55



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.409+/-0.235 χ^2/NDF:681.2/10

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -5.495+/-0.217 χ^2/NDF:340.9/9

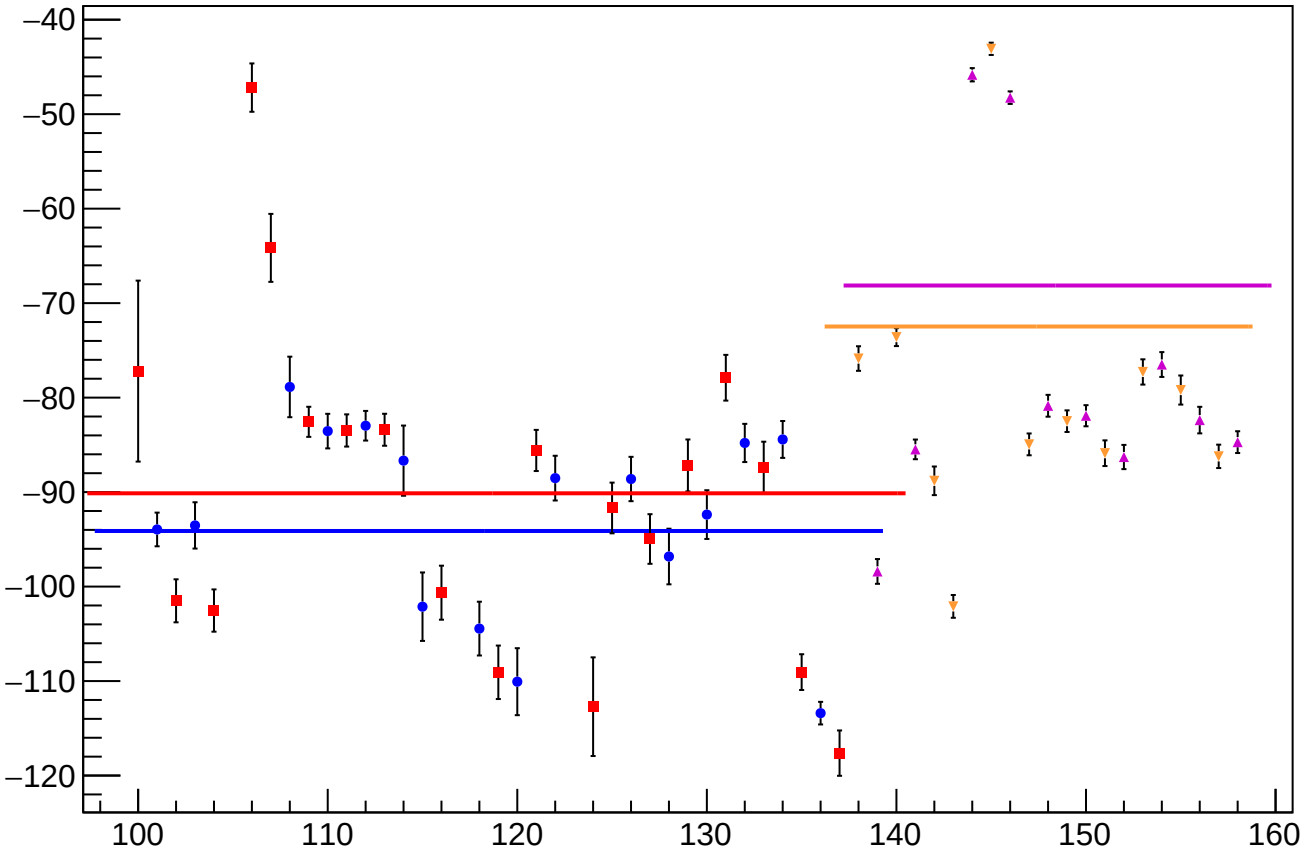
Left: -4.537+/-0.159 χ^2/NDF: 1064.6/20

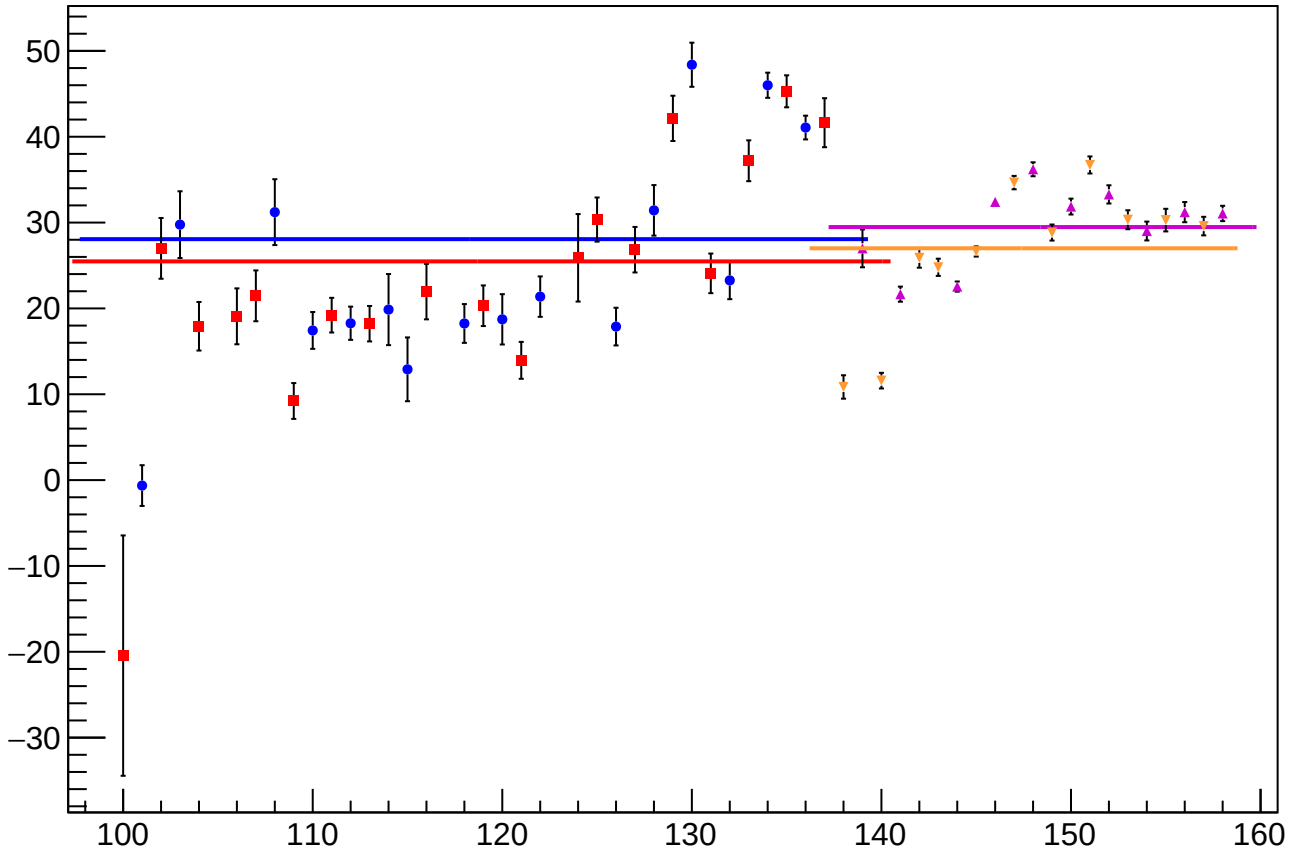
Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -5.416+/-0.199 χ^2/NDF:579.1/25

Out: -3.715+/-0.215 χ^2/NDF:827.7/29

All: -4.627+/-0.146 χ^2/NDF: 1440.5/55


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -72.475+/-0.336 χ²/NDF:3215.0/10
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -68.134+/-0.320 χ²/NDF:3529.3/9
Left: -70.201+/-0.232 χ²/NDF: 6831.9/20
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -74.939+/-0.275 χ²/NDF:5723.6/25
Out: -77.354+/-0.285 χ²/NDF:4769.2/29
All: -76.100+/-0.198 χ²/NDF: 10530.0/55



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.005+/-0.284 χ^2/NDF:648.6/10

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 29.477+/-0.262 χ^2/NDF:344.8/9

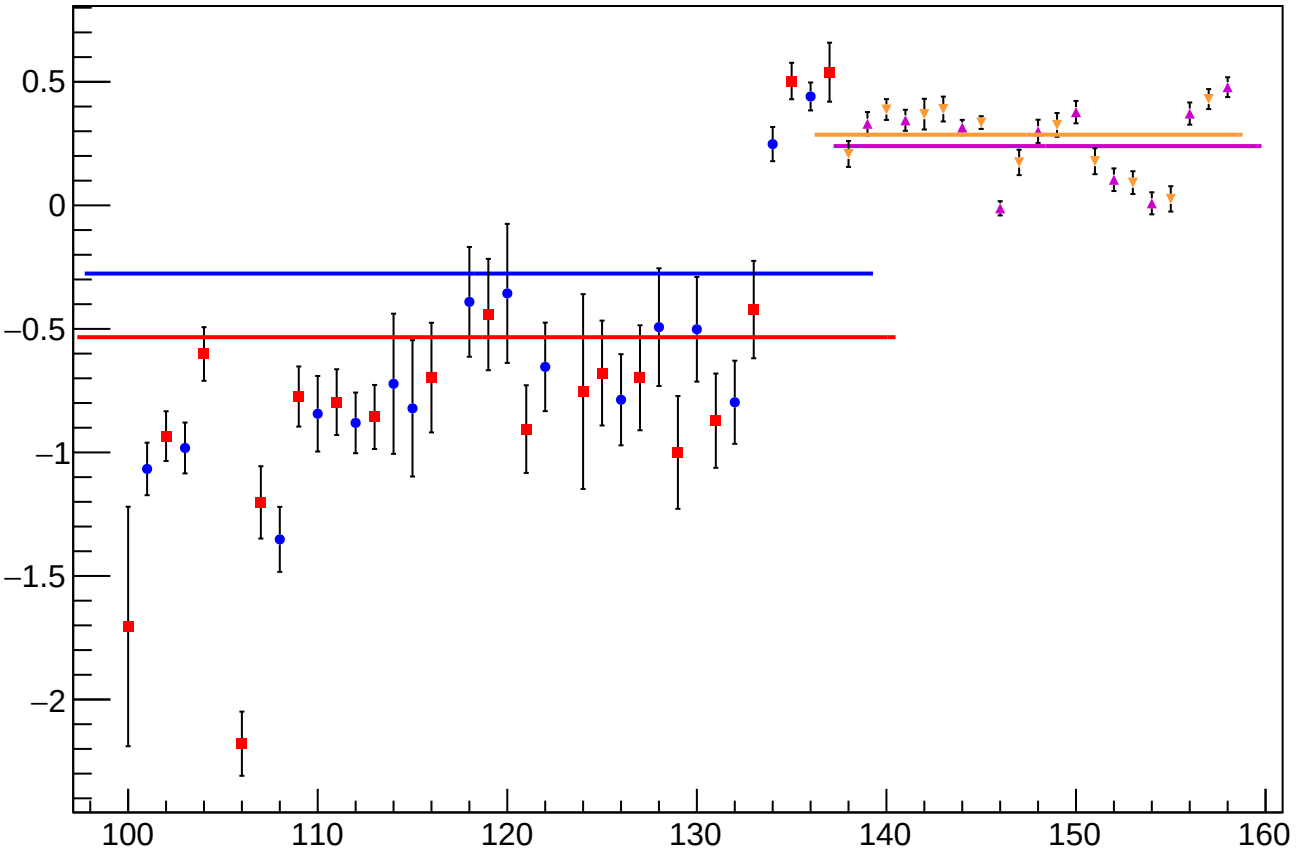
Left: 28.342+/-0.193 χ^2/NDF: 1034.3/20

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 29.231+/-0.238 χ^2/NDF:933.0/25

Out: 26.717+/-0.256 χ^2/NDF:1008.7/29

All: 28.067+/-0.174 χ^2/NDF: 1993.4/55



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.286+/-0.013 χ^2/NDF:83.3/10

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.240+/-0.013 χ^2/NDF:182.2/9

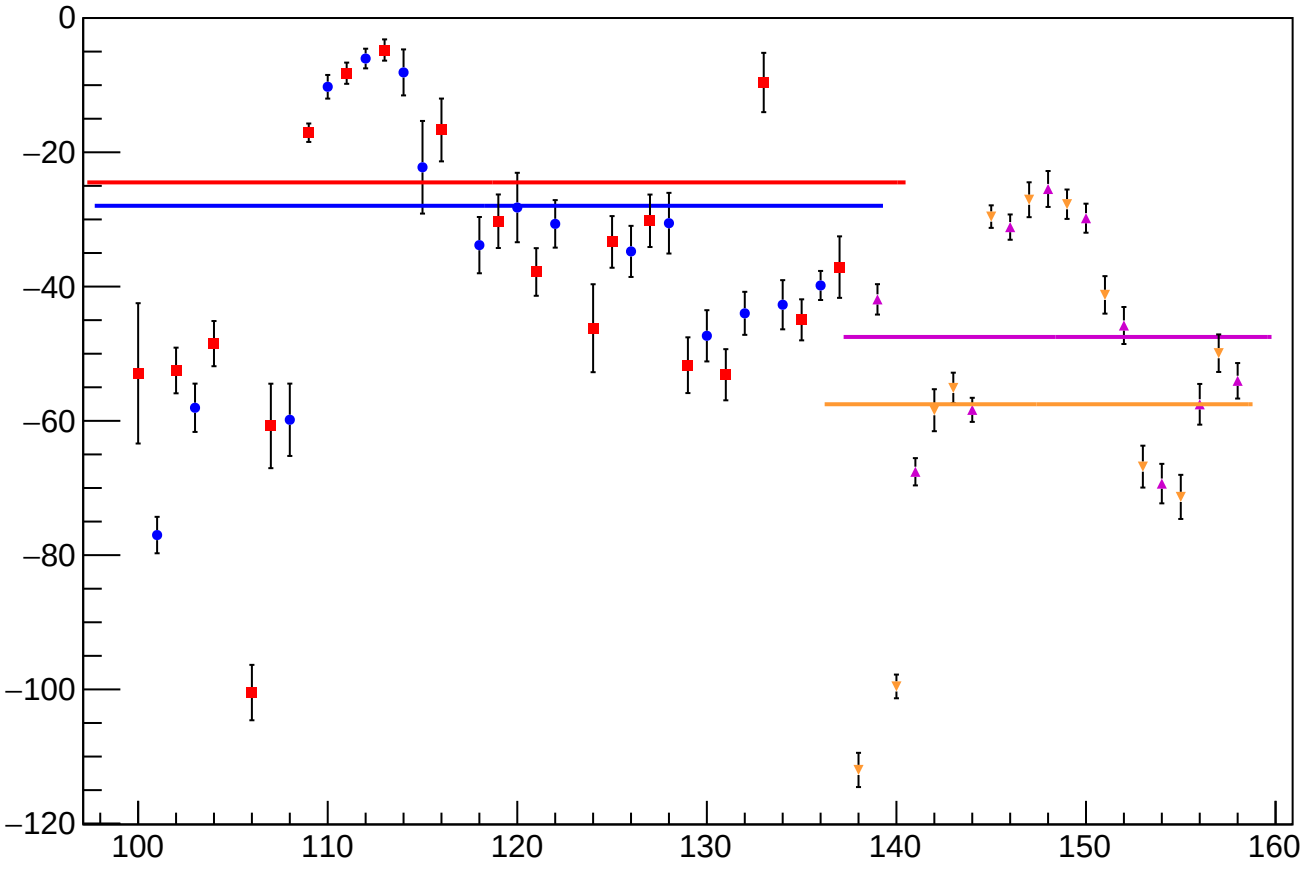
Left: 0.262+/-0.009 χ^2/NDF: 271.9/20

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.165+/-0.012 χ^2/NDF:880.2/25

Out: 0.172+/-0.012 χ^2/NDF:1129.2/29

All: 0.168+/-0.008 χ^2/NDF: 2009.6/55



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -57.526+/-0.719 χ^2/NDF:1692.0/10

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -47.503+/-0.729 χ^2/NDF:423.3/9

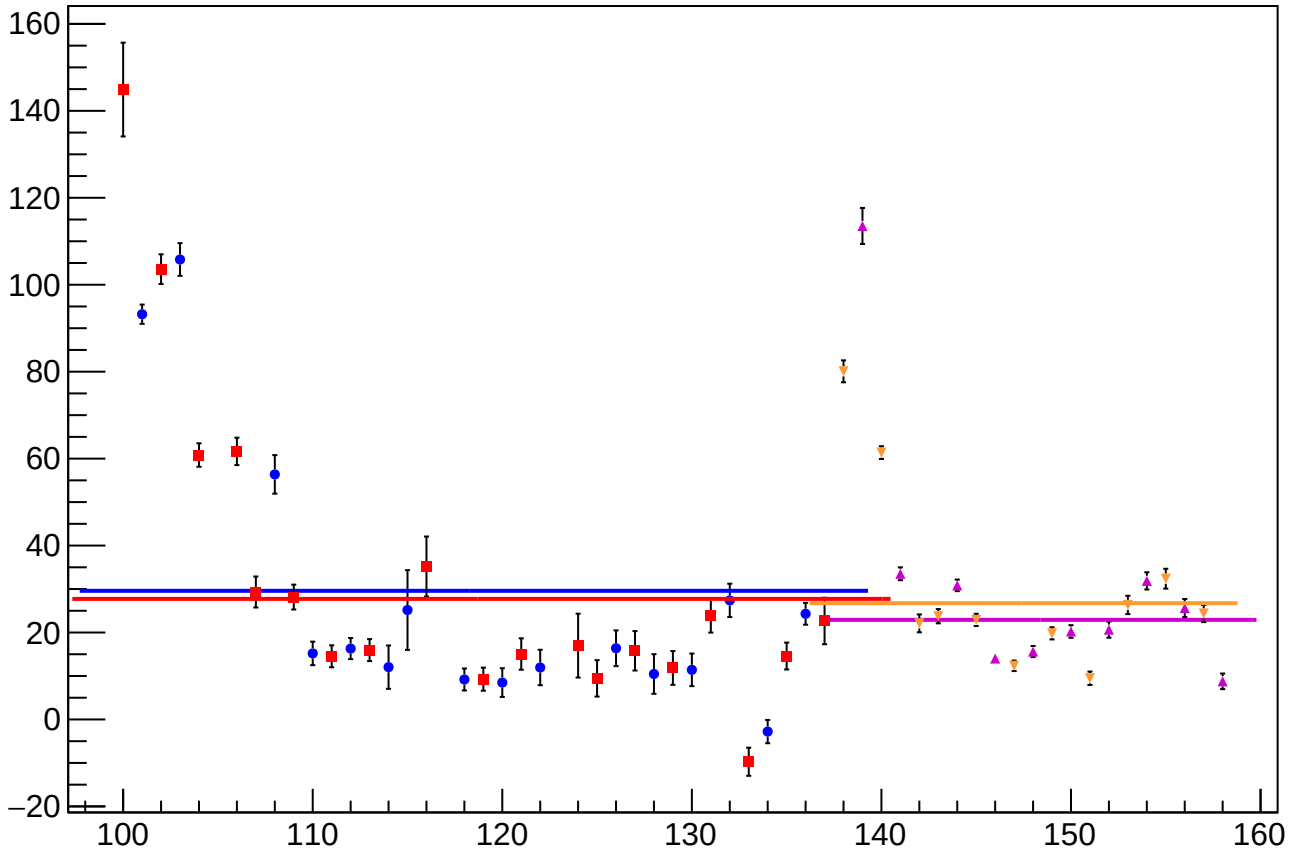
Left: -52.580+/-0.512 χ^2/NDF: 2211.1/20

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -37.720+/-0.515 χ^2/NDF:1677.8/25

Out: -39.661+/-0.487 χ^2/NDF:3822.9/29

All: -38.744+/-0.354 χ^2/NDF: 5508.2/55



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.747+/-0.498 χ^2/NDF:1319.3/10

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 22.915+/-0.499 χ^2/NDF:746.5/9

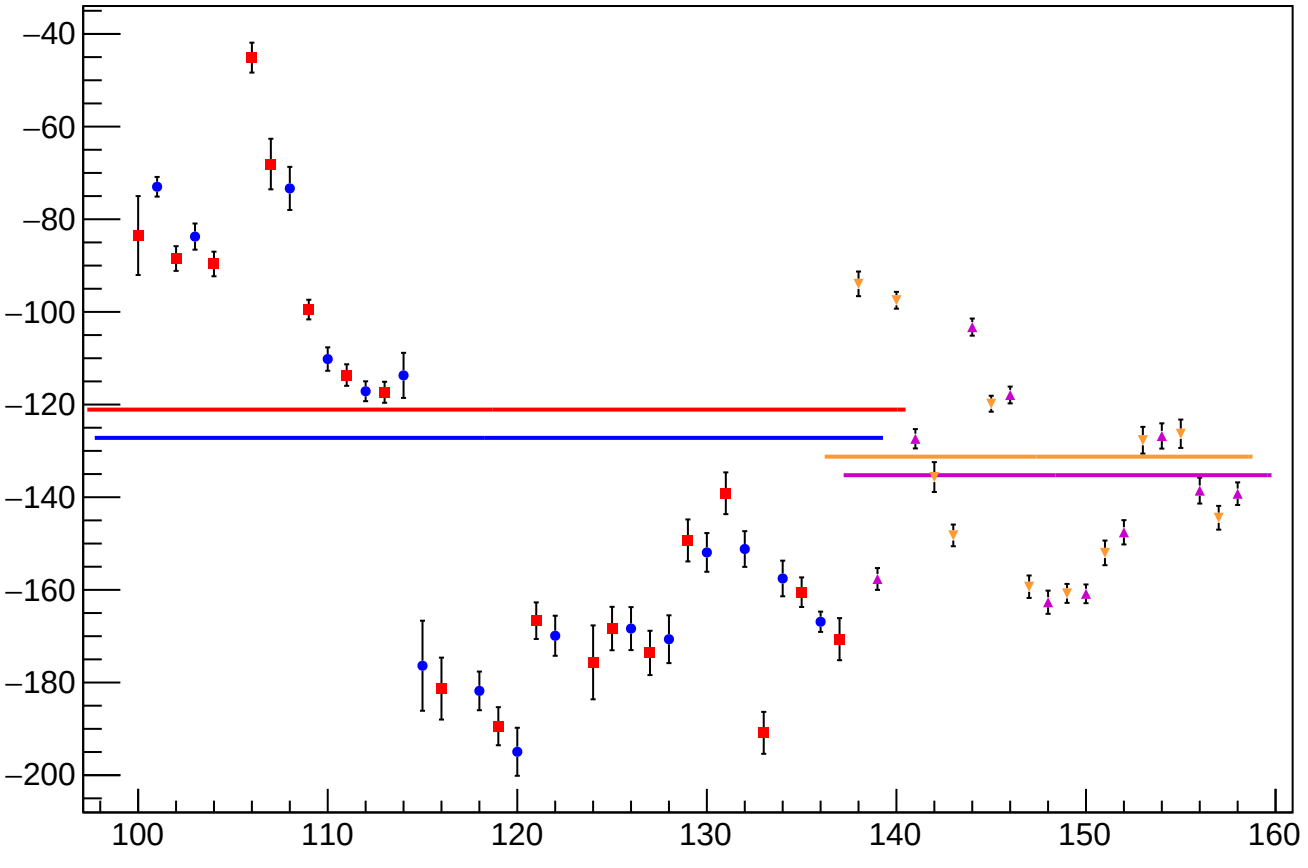
Left: 24.835+/-0.353 χ^2/NDF: 2095.3/20

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 24.762+/-0.424 χ^2/NDF:2461.7/25

Out: 27.025+/-0.422 χ^2/NDF:2505.5/29

All: 25.899+/-0.299 χ^2/NDF: 4981.5/55



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -131.247+/-0.709 χ^2/NDF:1074.9/10

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -135.244+/-0.709 χ^2/NDF:811.5/9

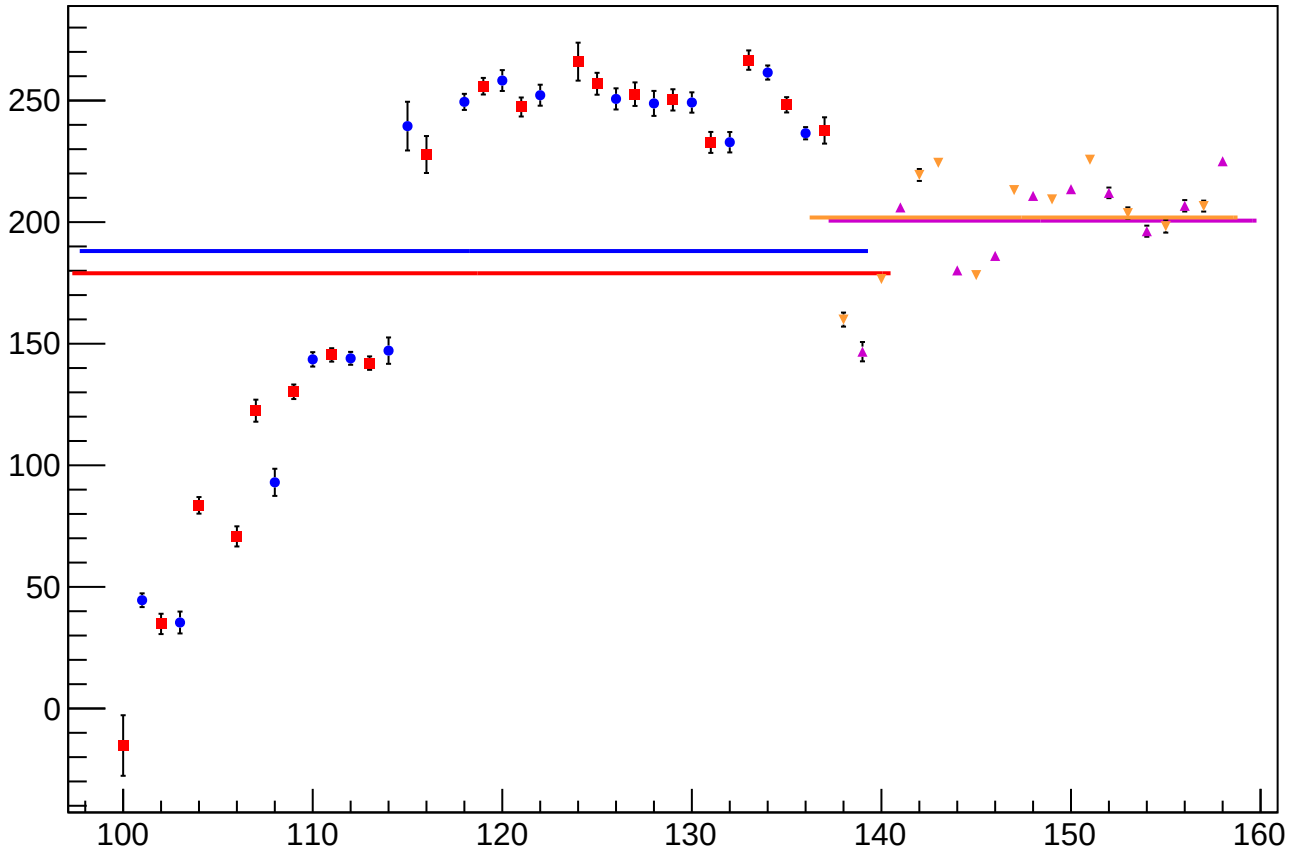
Left: -133.244+/-0.501 χ^2/NDF: 1902.3/20

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -131.842+/-0.539 χ^2/NDF:3044.1/25

Out: -126.764+/-0.530 χ^2/NDF:3562.9/29

All: -129.259+/-0.378 χ^2/NDF: 6652.1/55



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.902+/-0.602 χ^2/NDF:1040.4/10

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 200.614+/-0.594 χ^2/NDF:767.9/9

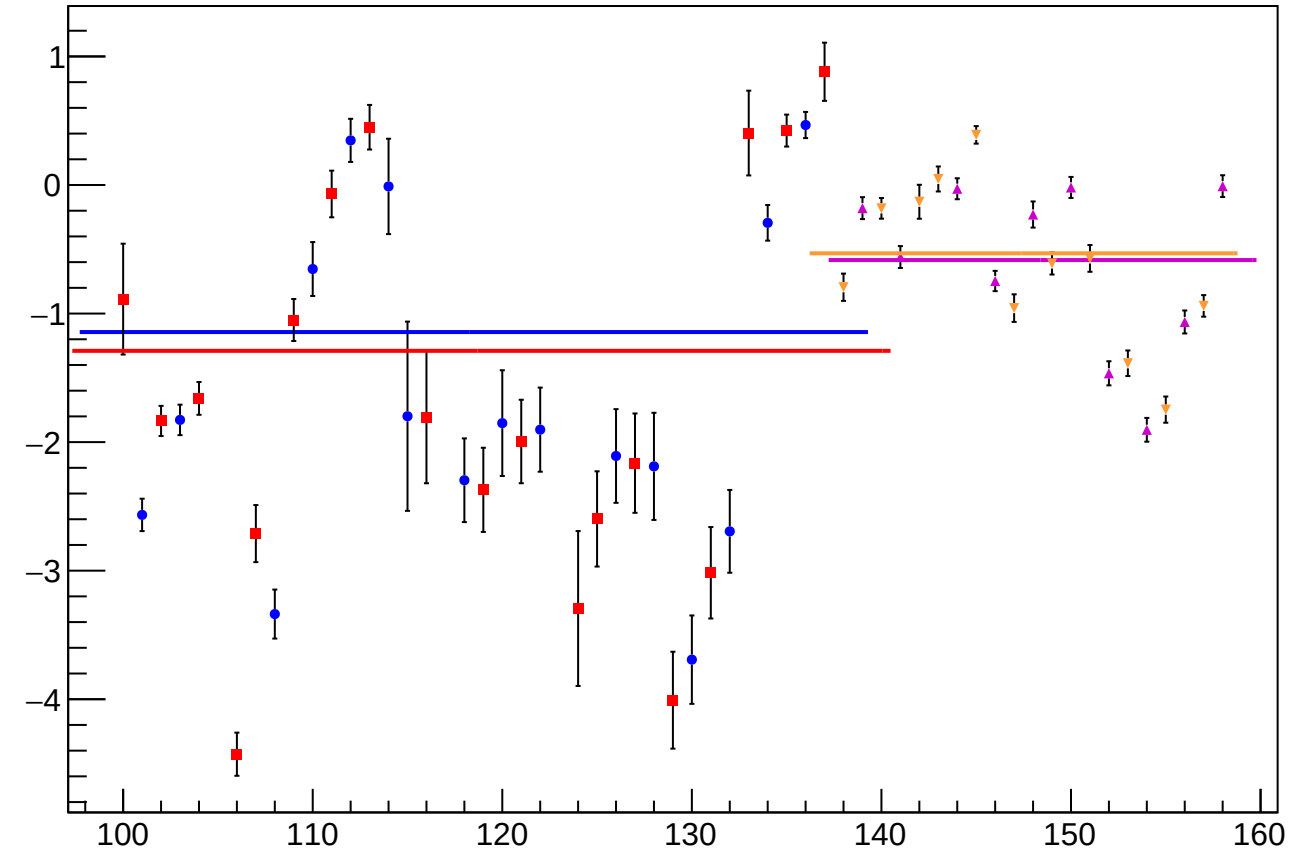
Left: 201.250+/-0.423 χ^2/NDF: 1810.6/20

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 196.922+/-0.499 χ^2/NDF:8017.3/25

Out: 194.909+/-0.501 χ^2/NDF:8152.4/29

All: 195.921+/-0.354 χ^2/NDF: 16177.8/55



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.531+/-0.028 χ^2/NDF:509.2/10

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.584+/-0.027 χ^2/NDF:499.4/9

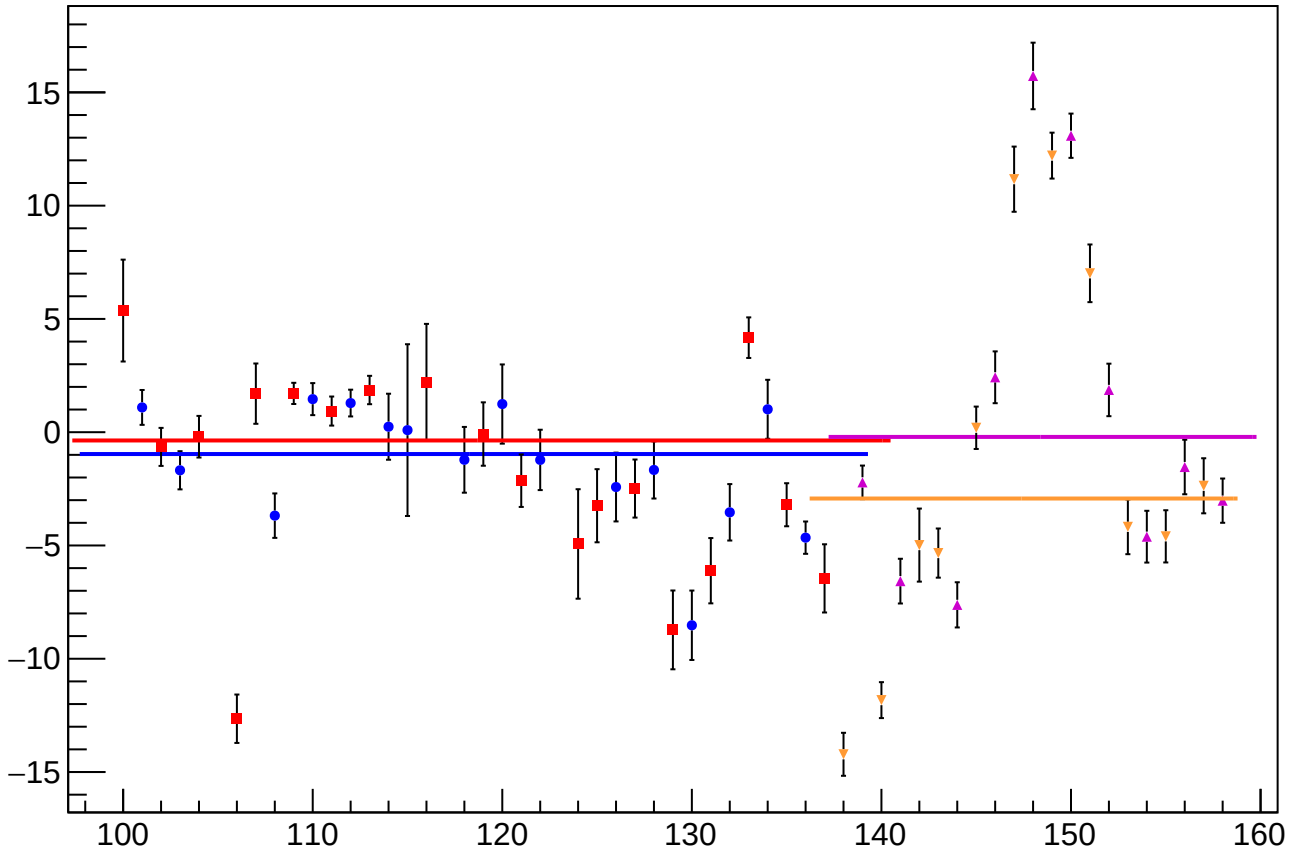
Left: -0.558+/-0.020 χ^2/NDF: 1010.4/20

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.722+/-0.024 χ^2/NDF:1389.4/25

Out: -0.727+/-0.024 χ^2/NDF:1697.1/29

All: -0.724+/-0.017 χ^2/NDF: 3086.5/55



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.928+/-0.328 χ^2/NDF:668.6/10

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -0.208+/-0.327 χ^2/NDF:439.9/9

Left: -1.560+/-0.232 χ^2/NDF: 1143.0/20

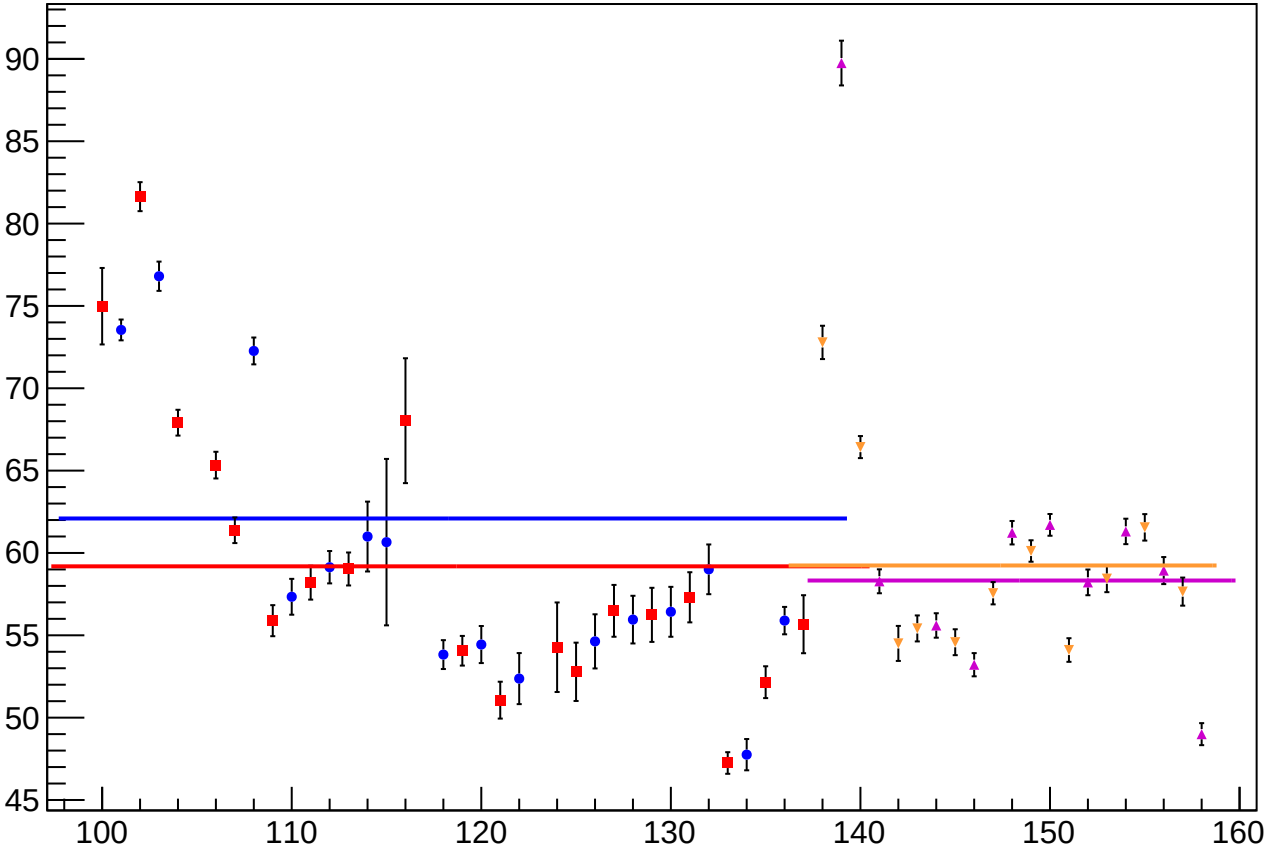
Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.680+/-0.200 χ^2/NDF:546.5/25

Out: -1.177+/-0.185 χ^2/NDF:990.8/29

All: -0.948+/-0.136 χ^2/NDF: 1540.5/55

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.240+/-0.234 χ^2/NDF:444.8/10

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 58.327+/-0.239 χ^2/NDF:853.5/9

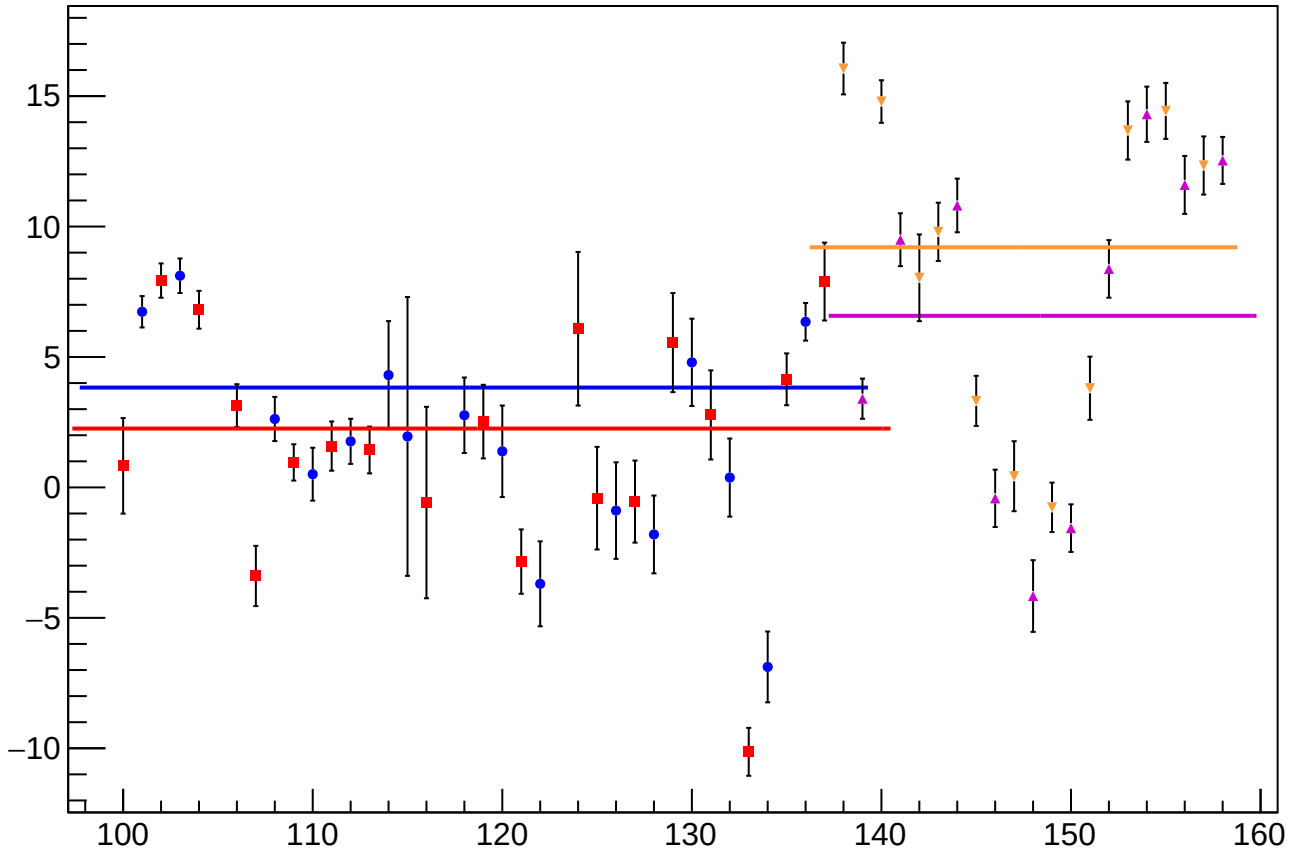
Left: 58.792+/-0.167 χ^2/NDF: 1305.8/20

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 60.011+/-0.177 χ^2/NDF:2266.2/25

Out: 59.215+/-0.169 χ^2/NDF:1847.0/29

All: 59.593+/-0.122 χ^2/NDF: 4123.7/55



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 9.205+/-0.323 χ^2/NDF:354.3/10

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 6.578+/-0.318 χ^2/NDF:343.3/9

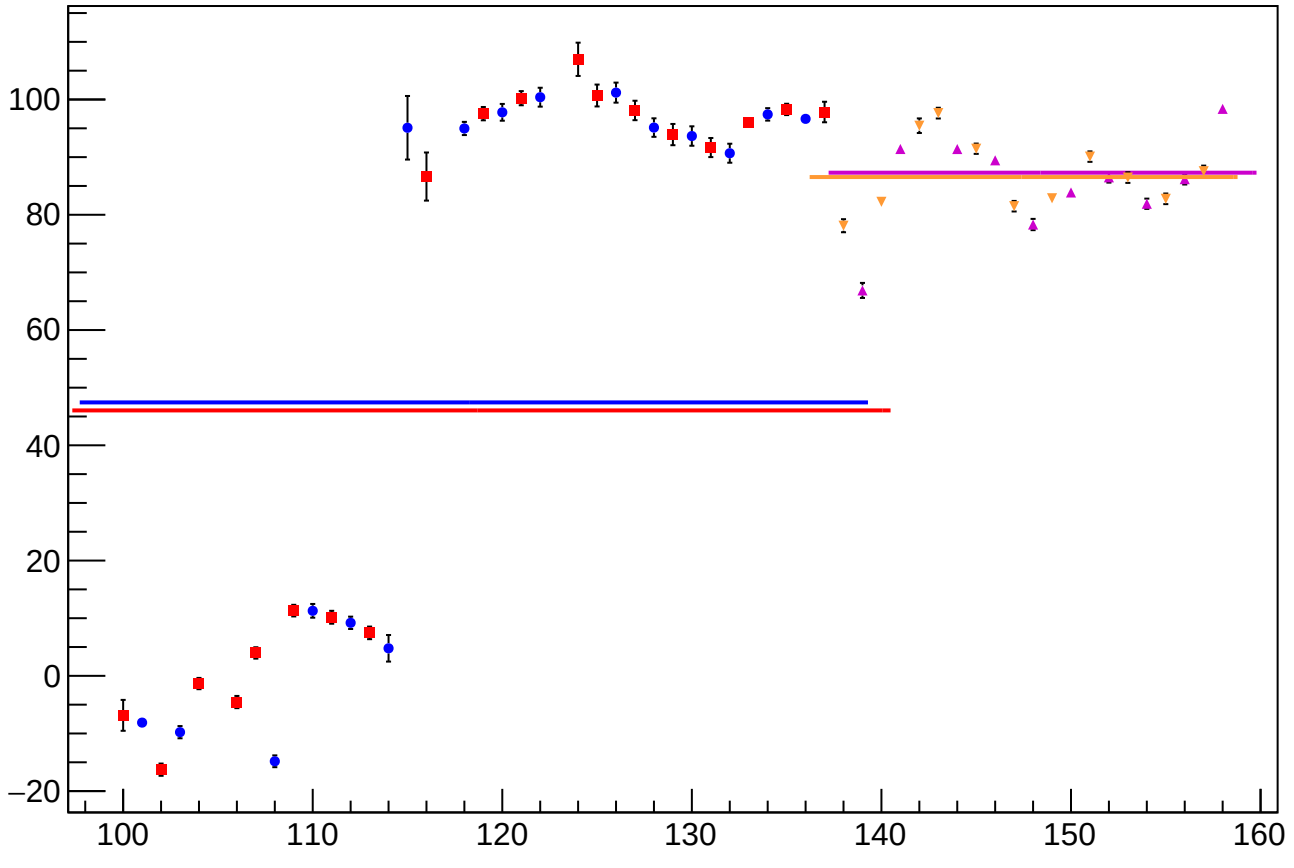
Left: 7.870+/-0.226 χ^2/NDF: 731.3/20

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 4.958+/-0.204 χ^2/NDF:596.0/25

Out: 4.816+/-0.196 χ^2/NDF:1019.0/29

All: 4.884+/-0.141 χ^2/NDF: 1615.3/55



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.544+/-0.280 χ^2/NDF:391.5/10

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 87.302+/-0.277 χ^2/NDF:688.9/9

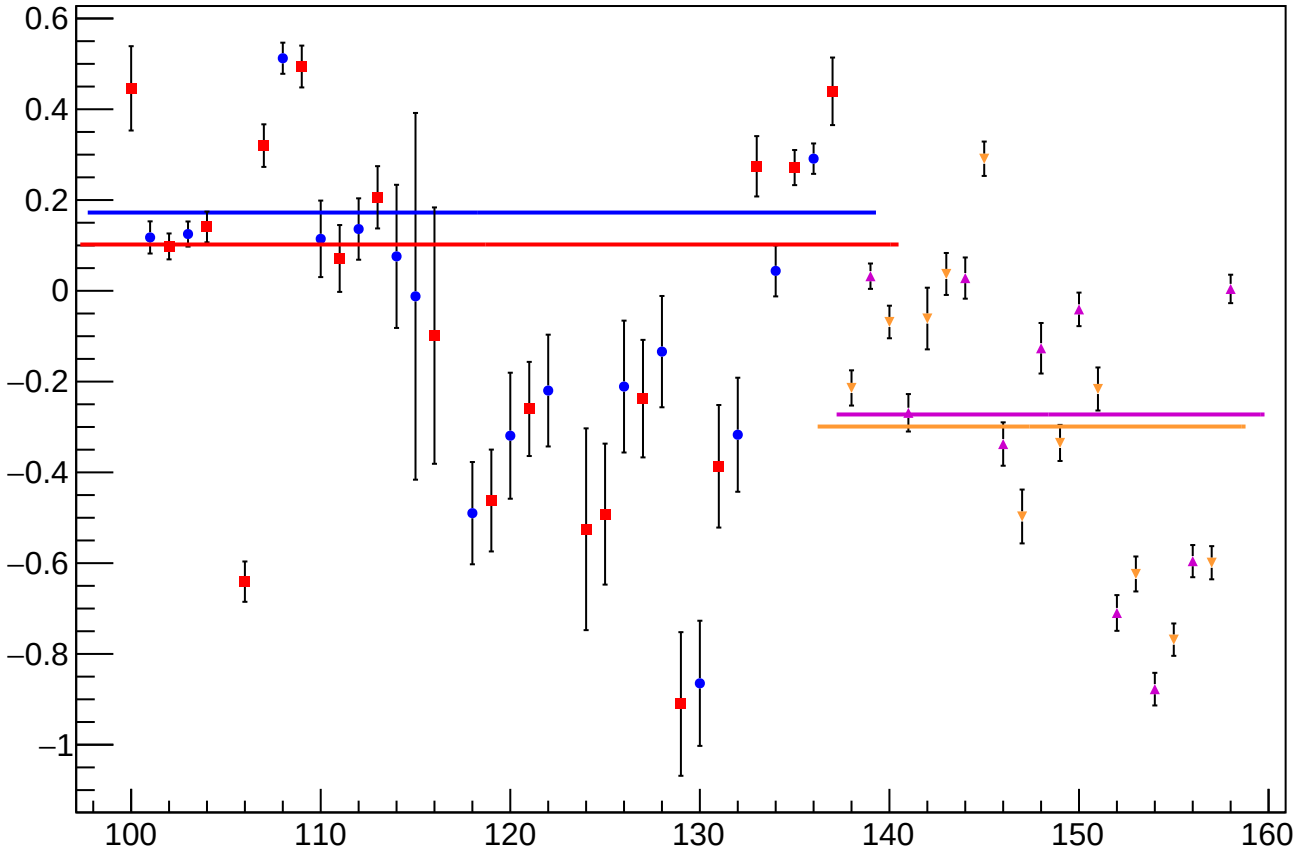
Left: 86.926+/-0.197 χ^2/NDF: 1084.1/20

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 69.457+/-0.206 χ^2/NDF:36822.0/25

Out: 66.651+/-0.199 χ^2/NDF:39598.5/29

All: 68.008+/-0.143 χ^2/NDF: 76516.2/55



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.299+/-0.013 χ^2/NDF:680.8/10

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.272+/-0.012 χ^2/NDF:778.6/9

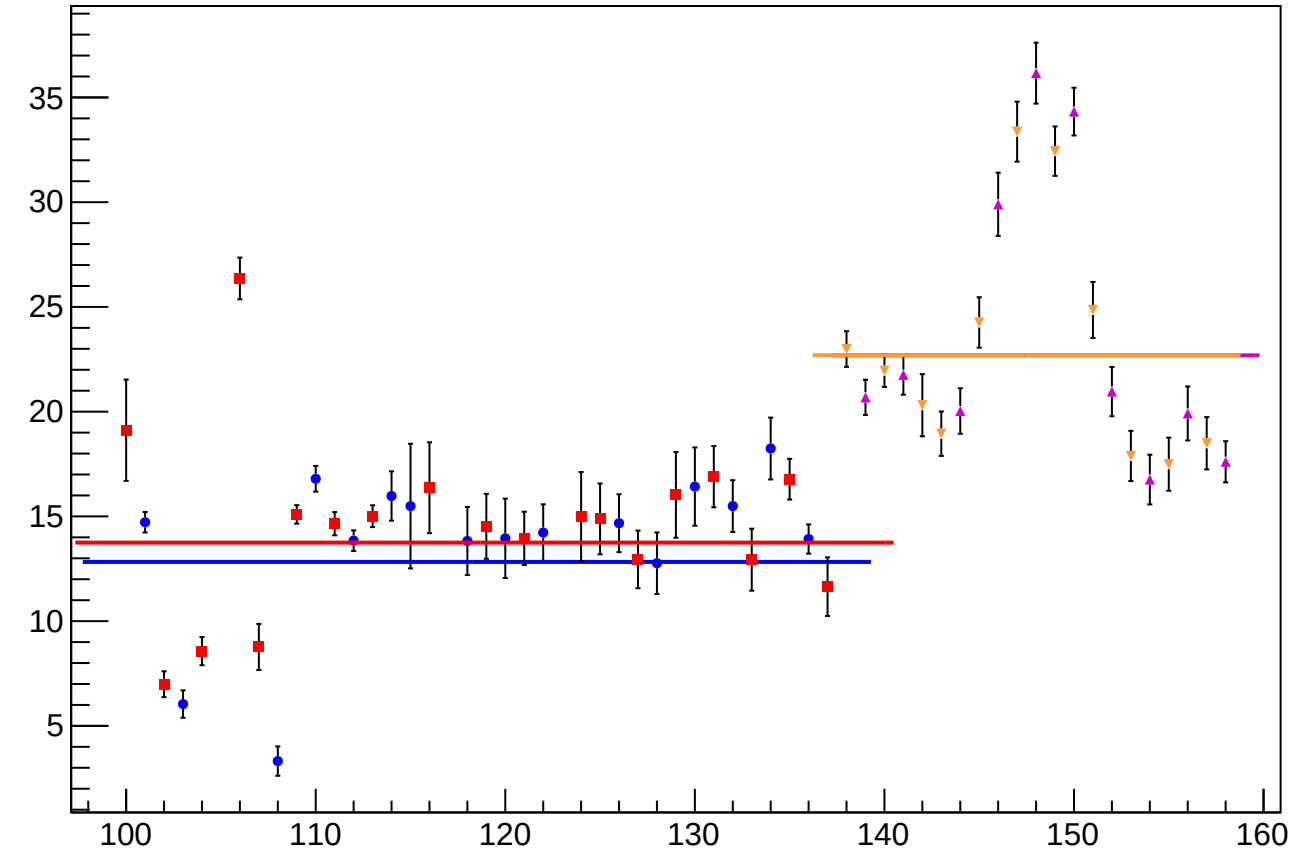
Left: -0.285+/-0.009 χ^2/NDF: 1461.7/20

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.088+/-0.009 χ^2/NDF:1623.1/25

Out: -0.113+/-0.009 χ^2/NDF:1716.3/29

All: -0.101+/-0.006 χ^2/NDF: 3343.0/55



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.695+/-0.337 χ^2/NDF:188.6/10

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 22.688+/-0.351 χ^2/NDF:284.1/9

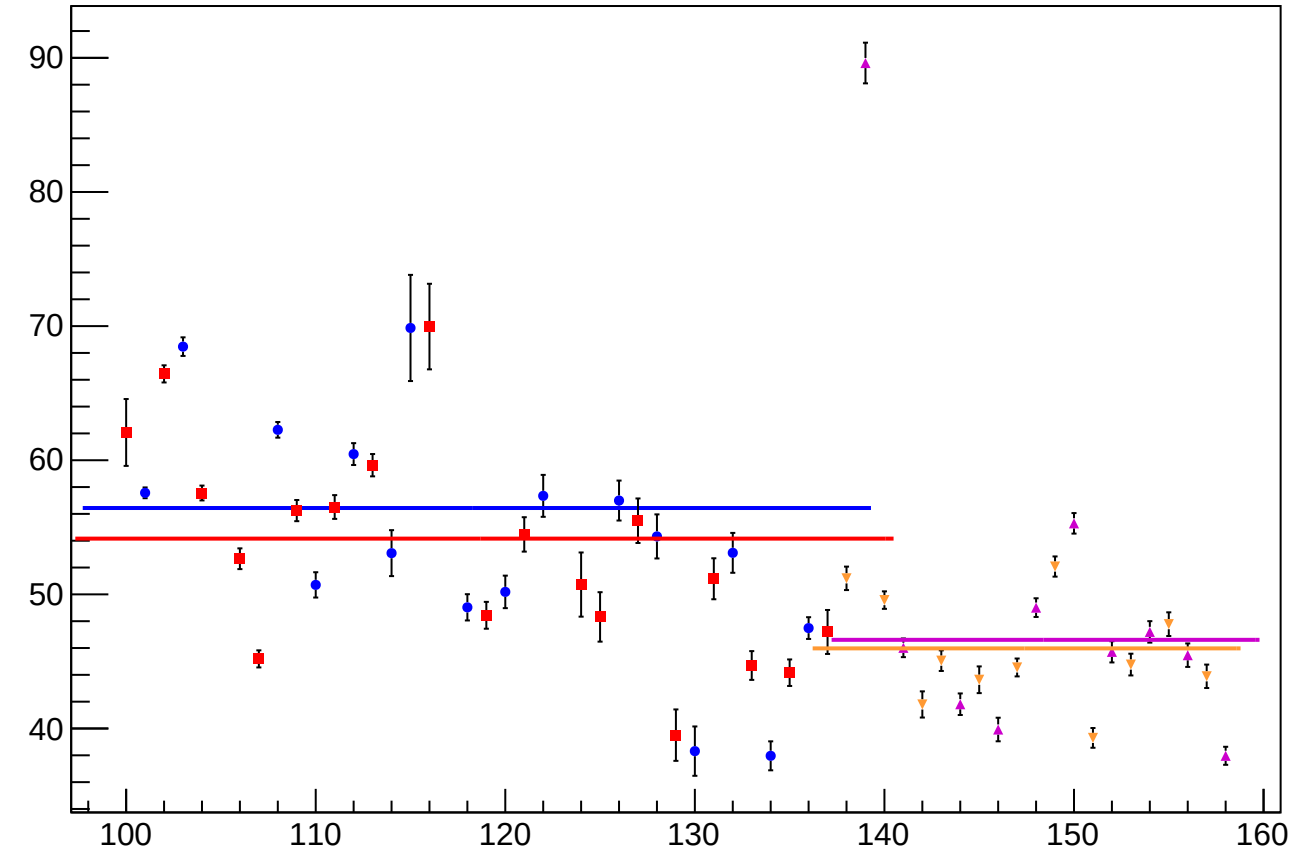
Left: 22.692+/-0.243 χ^2/NDF: 472.6/20

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.501+/-0.183 χ^2/NDF:1247.6/25

Out: 16.148+/-0.175 χ^2/NDF:1107.3/29

All: 15.839+/-0.126 χ^2/NDF: 2361.4/55



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 45.972+/-0.240 χ^2/NDF:255.9/10

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 46.611+/-0.252 χ^2/NDF:1207.6/9

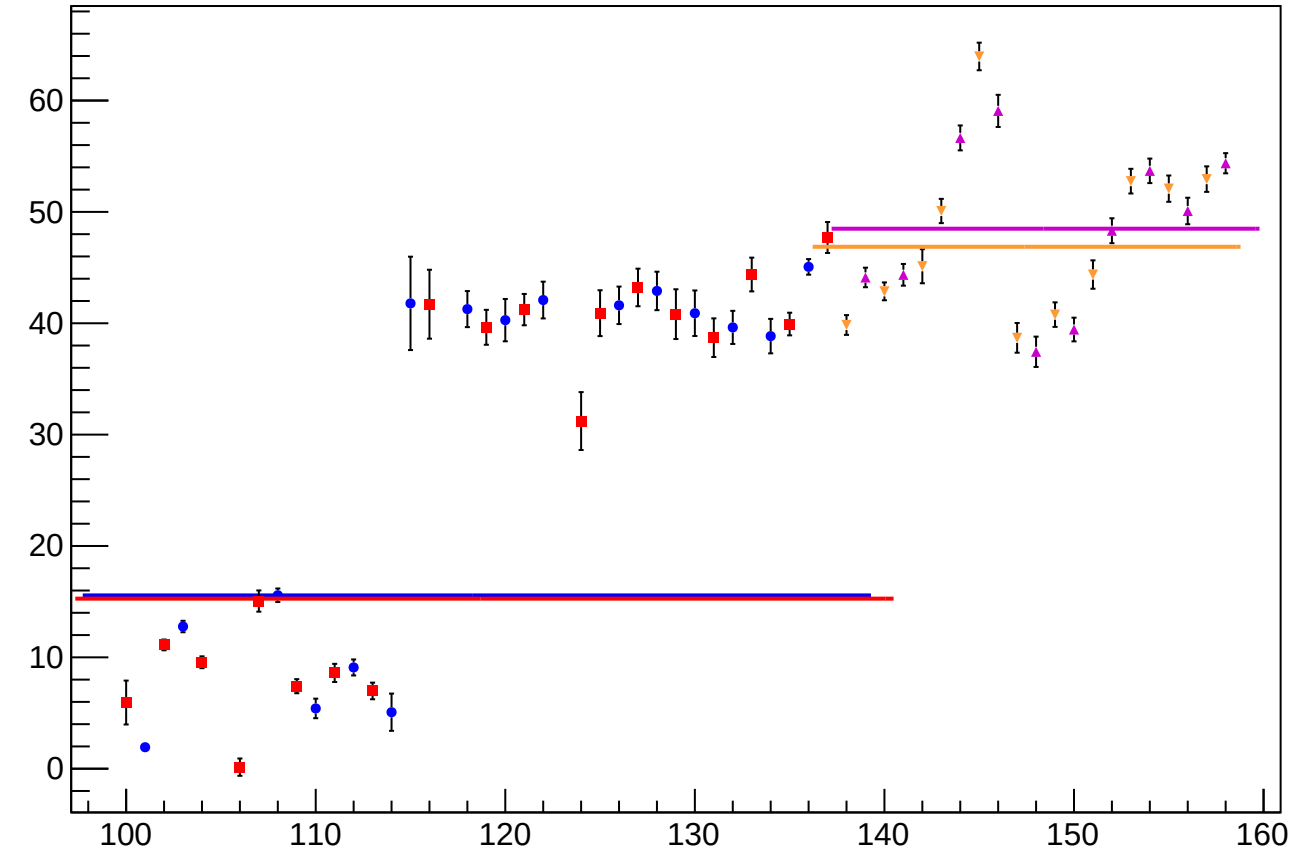
Left: 46.276+/-0.174 χ^2/NDF: 1466.9/20

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 52.141+/-0.166 χ^2/NDF:3153.9/25

Out: 50.333+/-0.164 χ^2/NDF:1883.1/29

All: 51.223+/-0.117 χ^2/NDF: 5096.9/55



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 46.869+/-0.333 χ^2/NDF:435.8/10

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 48.491+/-0.341 χ^2/NDF:354.2/9

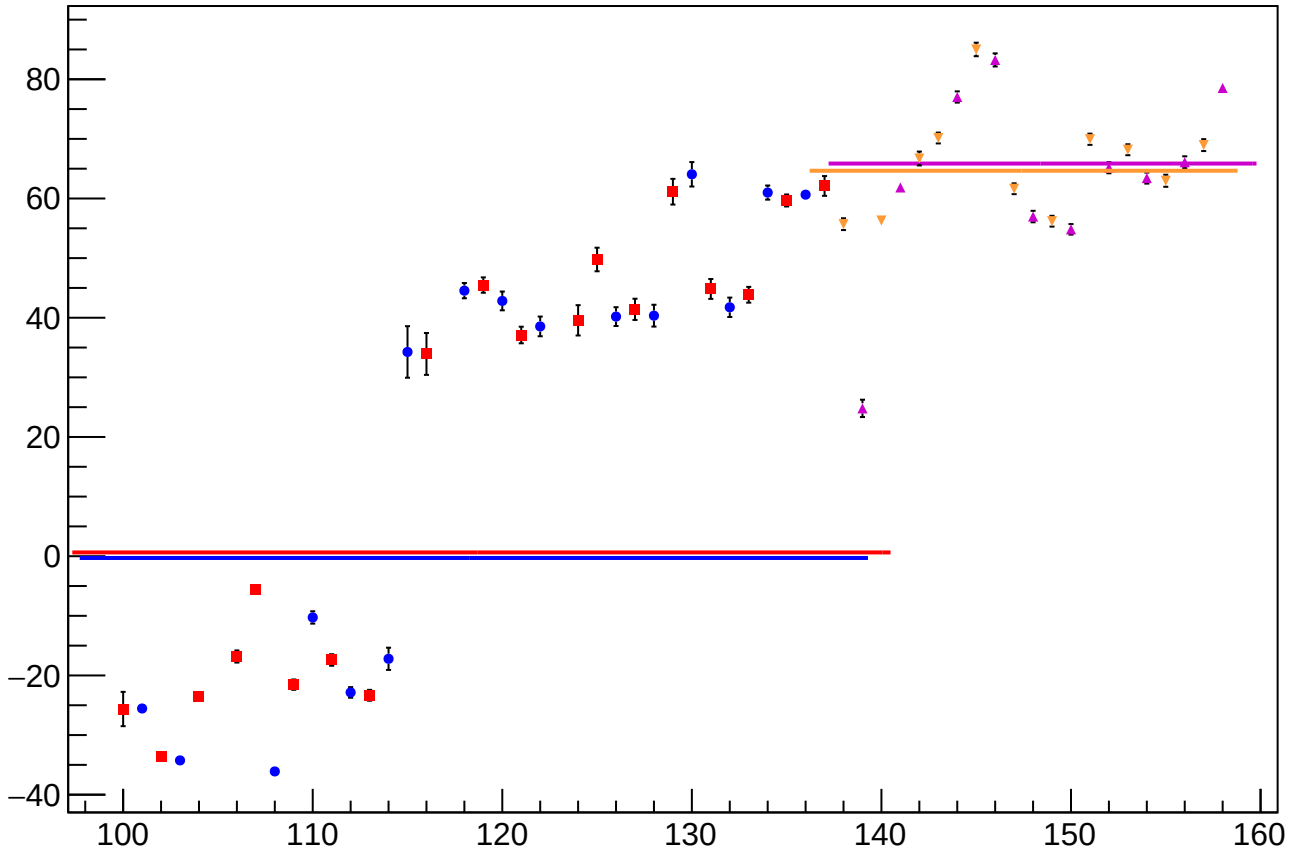
Left: 47.660+/-0.238 χ^2/NDF: 801.6/20

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 24.866+/-0.181 χ^2/NDF:12221.8/25

Out: 24.836+/-0.183 χ^2/NDF:10602.3/29

All: 24.851+/-0.129 χ^2/NDF: 22824.0/55



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.655+/-0.287 χ^2/NDF:721.9/10

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 65.863+/-0.294 χ^2/NDF:1781.9/9

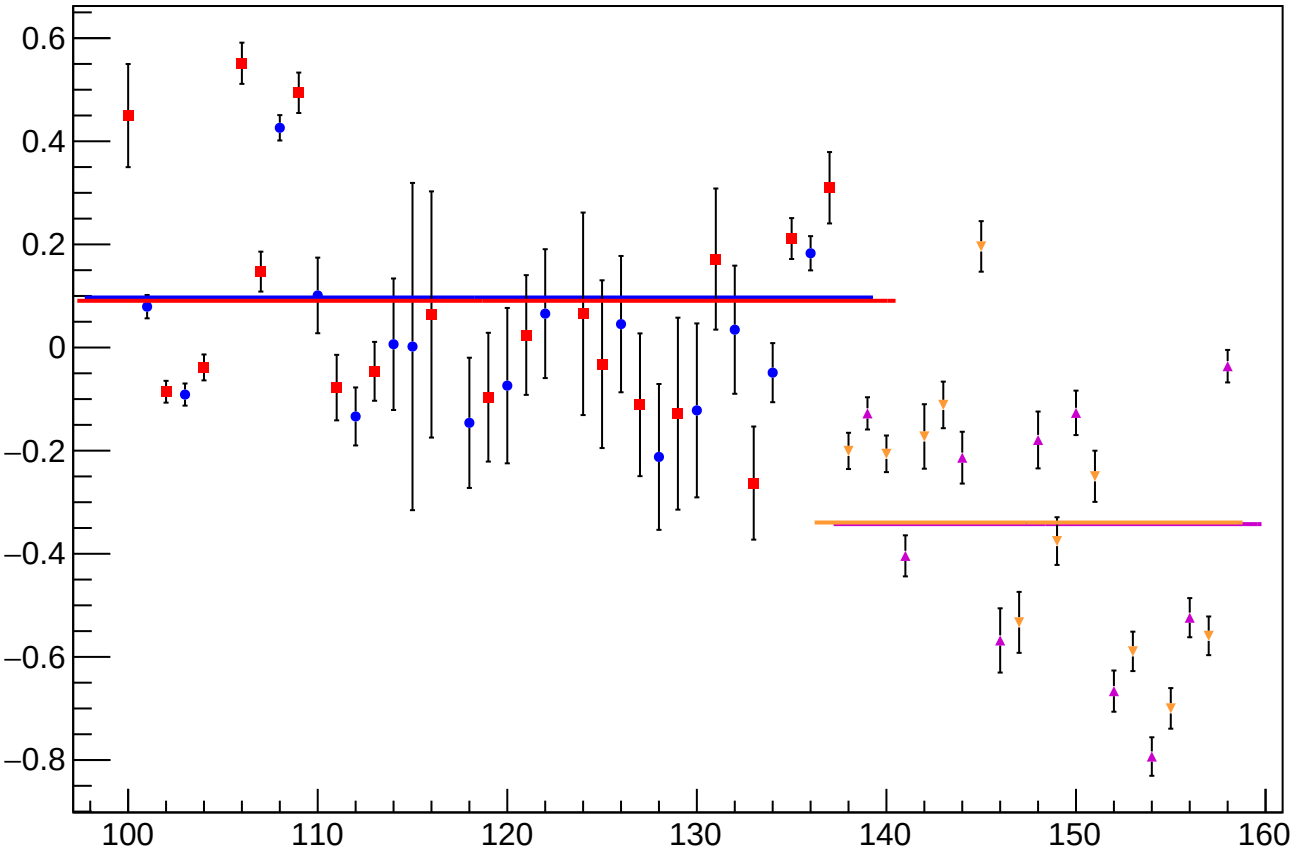
Left: 65.246+/-0.205 χ^2/NDF: 2512.5/20

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 28.953+/-0.195 χ^2/NDF:51132.5/25

Out: 29.879+/-0.194 χ^2/NDF:43694.4/29

All: 29.418+/-0.138 χ^2/NDF: 94838.2/55



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.339+/-0.013 χ^2/NDF:357.1/10

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.342+/-0.013 χ^2/NDF:431.6/9

Left: -0.341+/-0.009 χ^2/NDF: 788.8/20

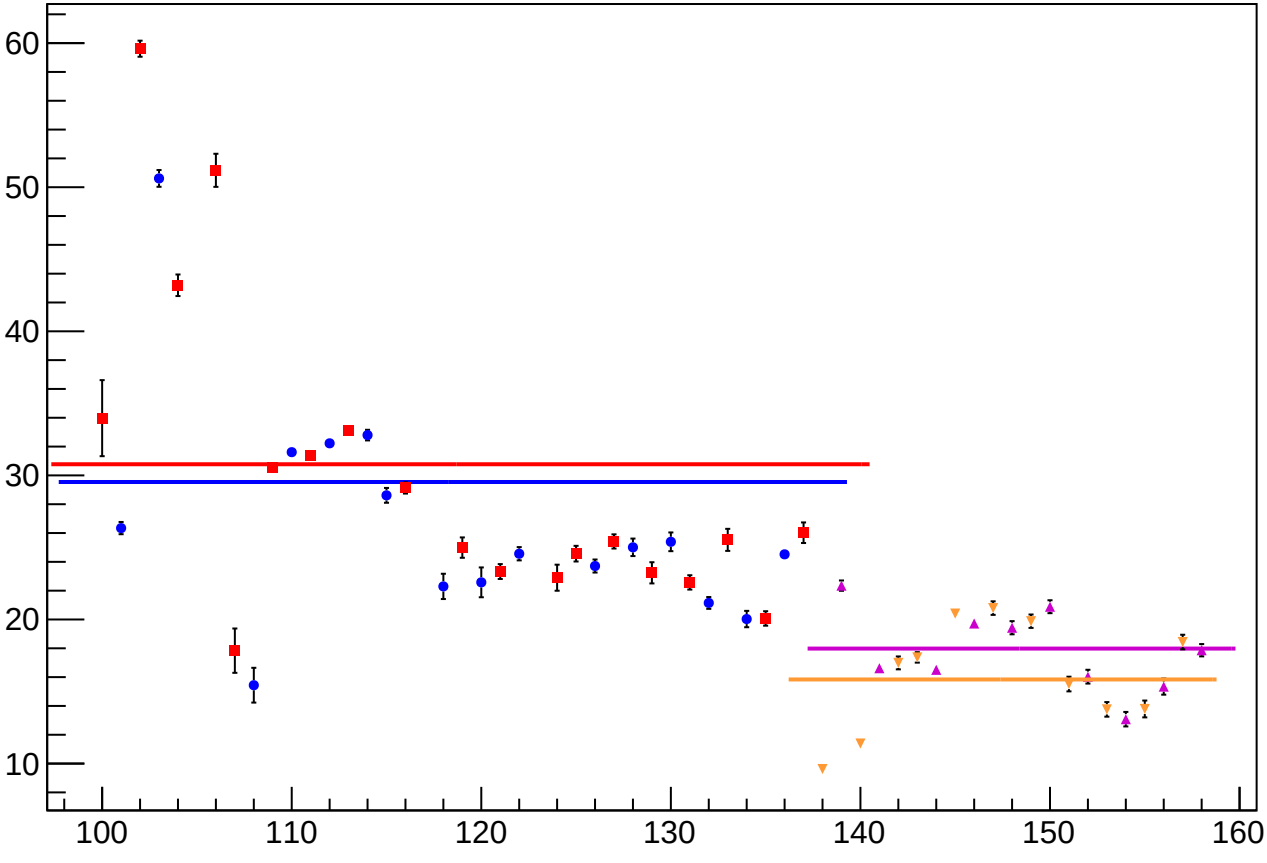
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.096+/-0.008 χ^2/NDF:1404.5/25

Out: -0.097+/-0.009 χ^2/NDF:1378.1/29

All: -0.096+/-0.006 χ^2/NDF: 2782.7/55

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.837+/-0.118 χ^2/NDF:1163.7/10

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 17.981+/-0.123 χ^2/NDF:407.4/9

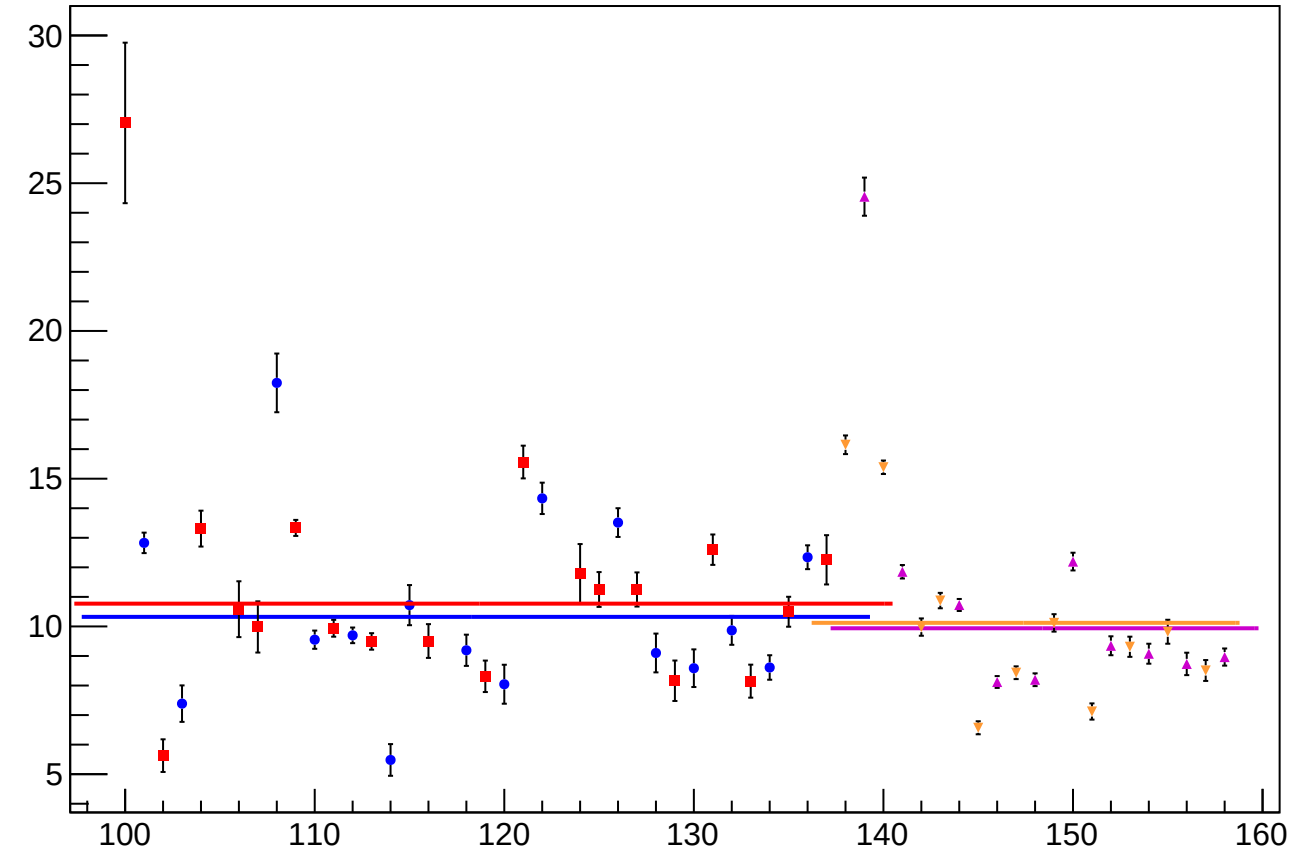
Left: 16.863+/-0.085 χ^2/NDF: 1729.7/20

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 25.395+/-0.074 χ^2/NDF:9449.2/25

Out: 26.045+/-0.066 χ^2/NDF:17237.5/29

All: 25.754+/-0.049 χ^2/NDF: 26729.8/55



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.122+/-0.083 χ^2/NDF:1371.7/10

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 9.938+/-0.084 χ^2/NDF:832.7/9

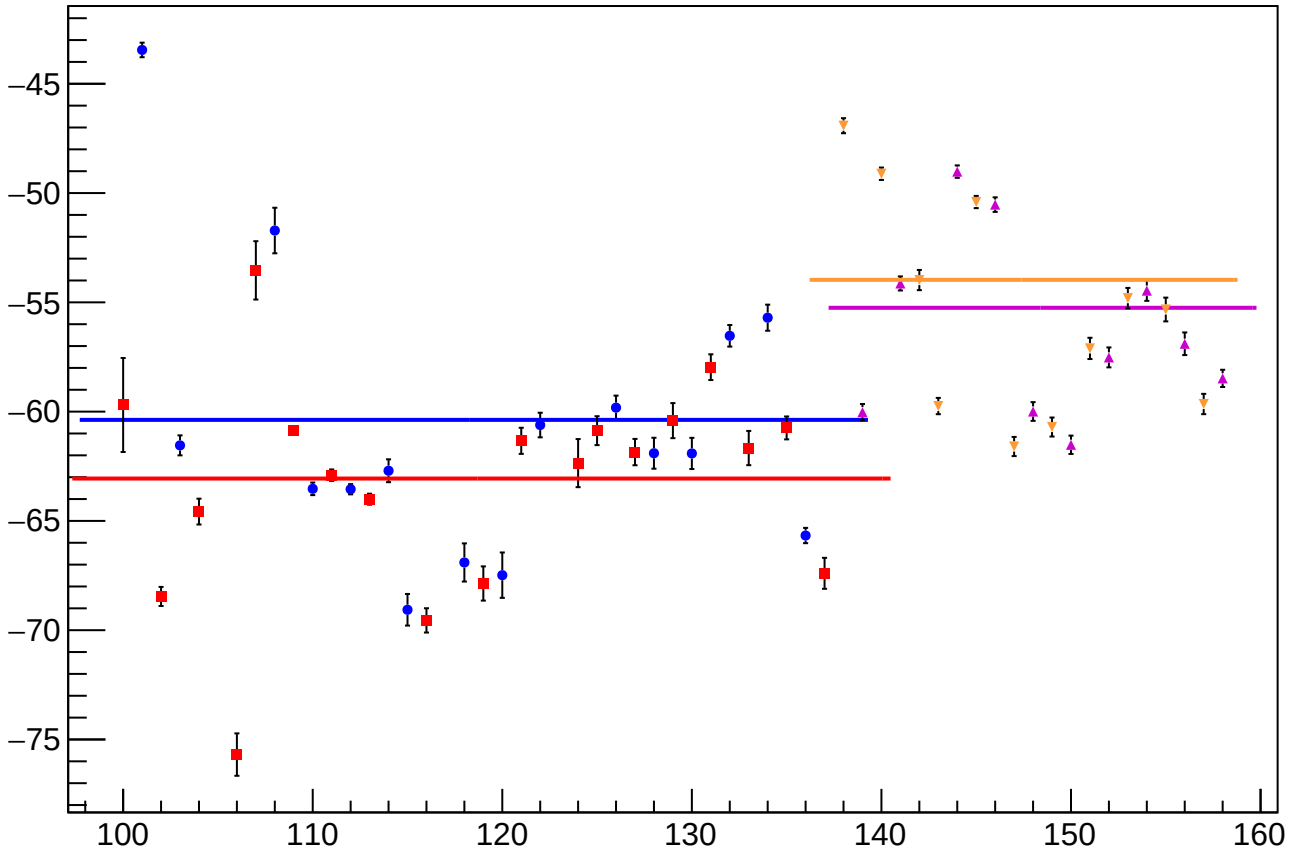
Left: 10.031+/-0.059 χ^2/NDF: 2206.8/20

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.074+/-0.068 χ^2/NDF:1242.7/25

Out: 10.350+/-0.067 χ^2/NDF:1808.9/29

All: 10.214+/-0.048 χ^2/NDF: 3060.0/55



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.970+/-0.117 χ^2/NDF:1854.6/10

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -55.249+/-0.120 χ^2/NDF:1308.7/9

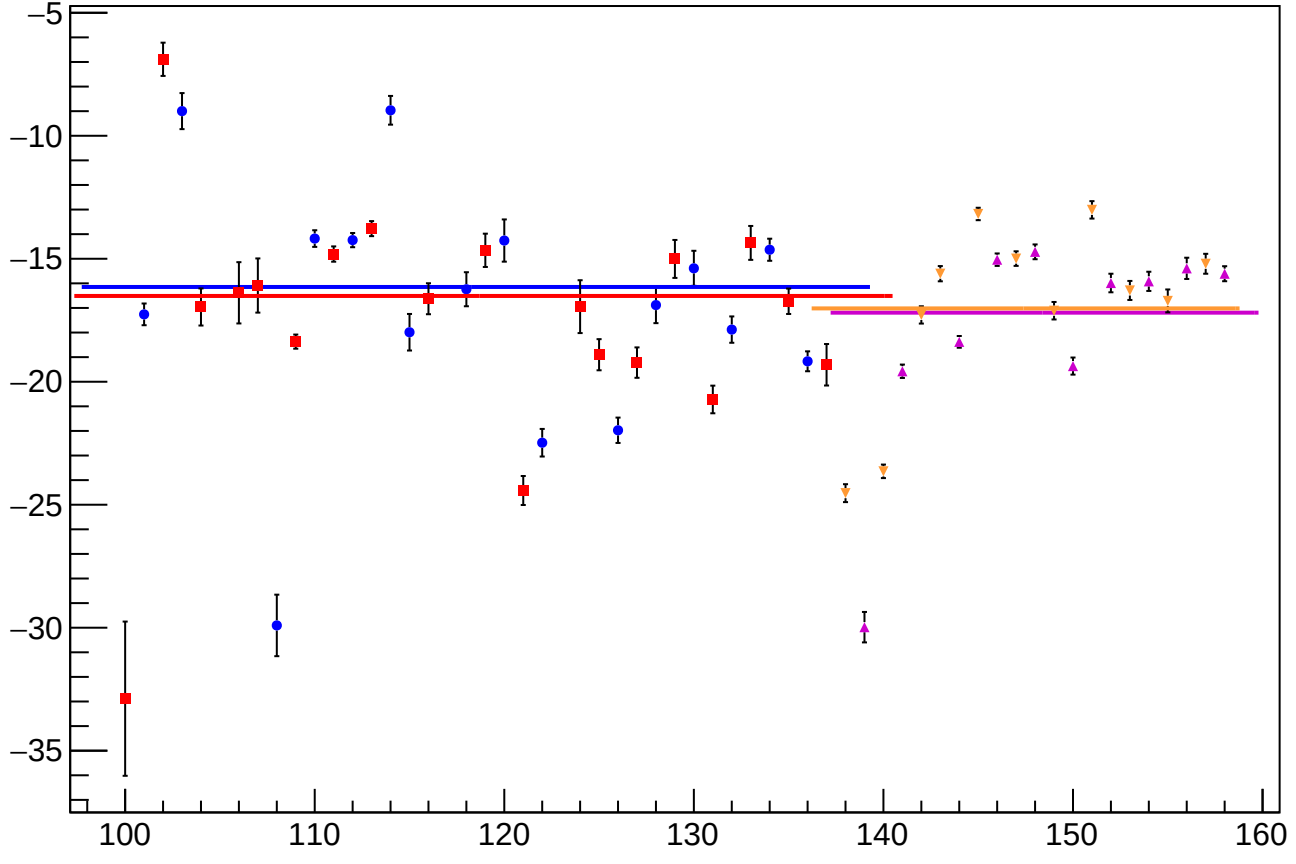
Left: -54.593+/-0.084 χ^2/NDF: 3221.2/20

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.976+/-0.082 χ^2/NDF:5870.7/25

Out: -58.922+/-0.079 χ^2/NDF:5970.1/29

All: -58.468+/-0.057 χ^2/NDF: 11909.4/55



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.018+/-0.100 χ^2/NDF:1456.3/10

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -17.192+/-0.101 χ^2/NDF:771.9/9

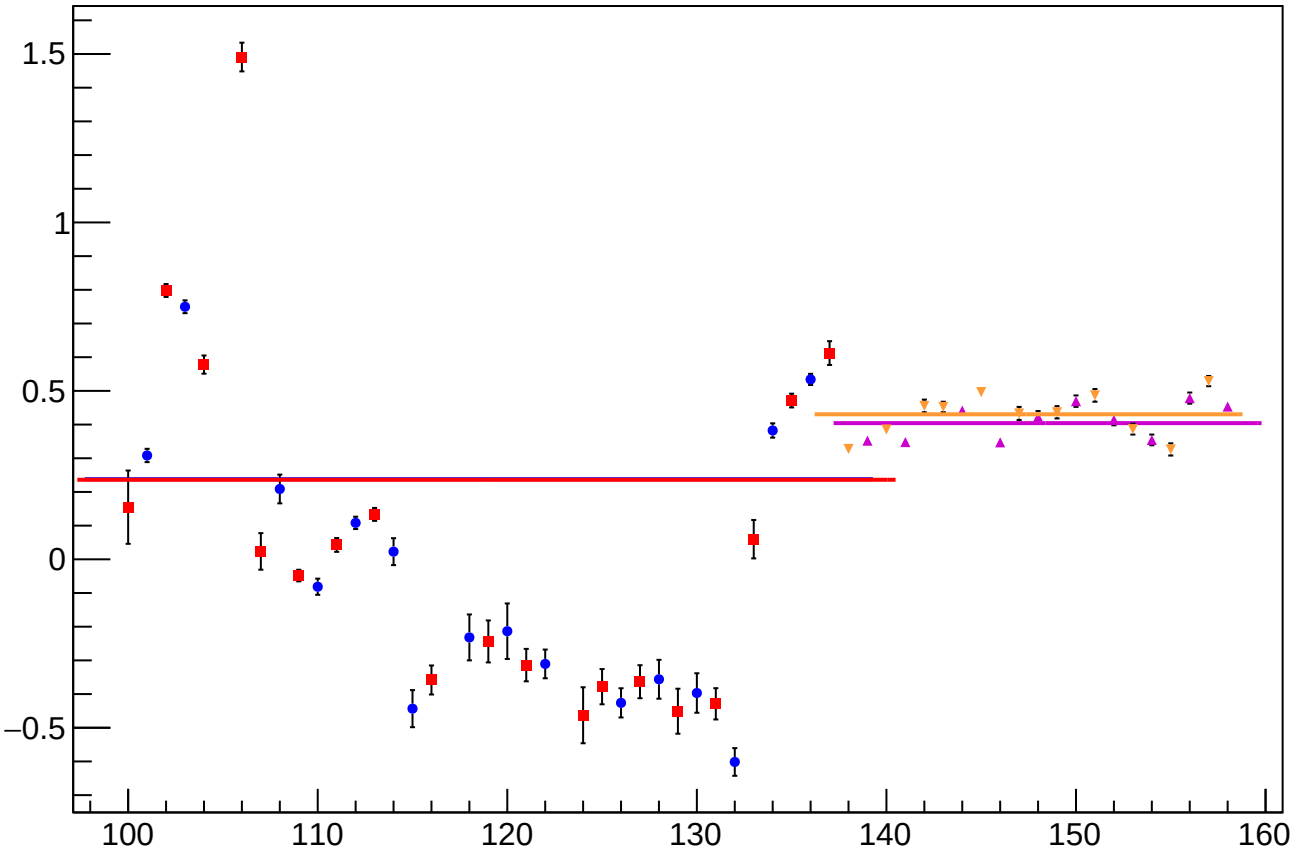
Left: -17.105+/-0.071 χ^2/NDF: 2229.7/20

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.788+/-0.079 χ^2/NDF:1610.4/25

Out: -16.820+/-0.078 χ^2/NDF:2151.0/29

All: -16.804+/-0.056 χ^2/NDF: 3761.5/55



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.431+/-0.005 χ^2/NDF:197.8/10

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.404+/-0.005 χ^2/NDF:116.9/9

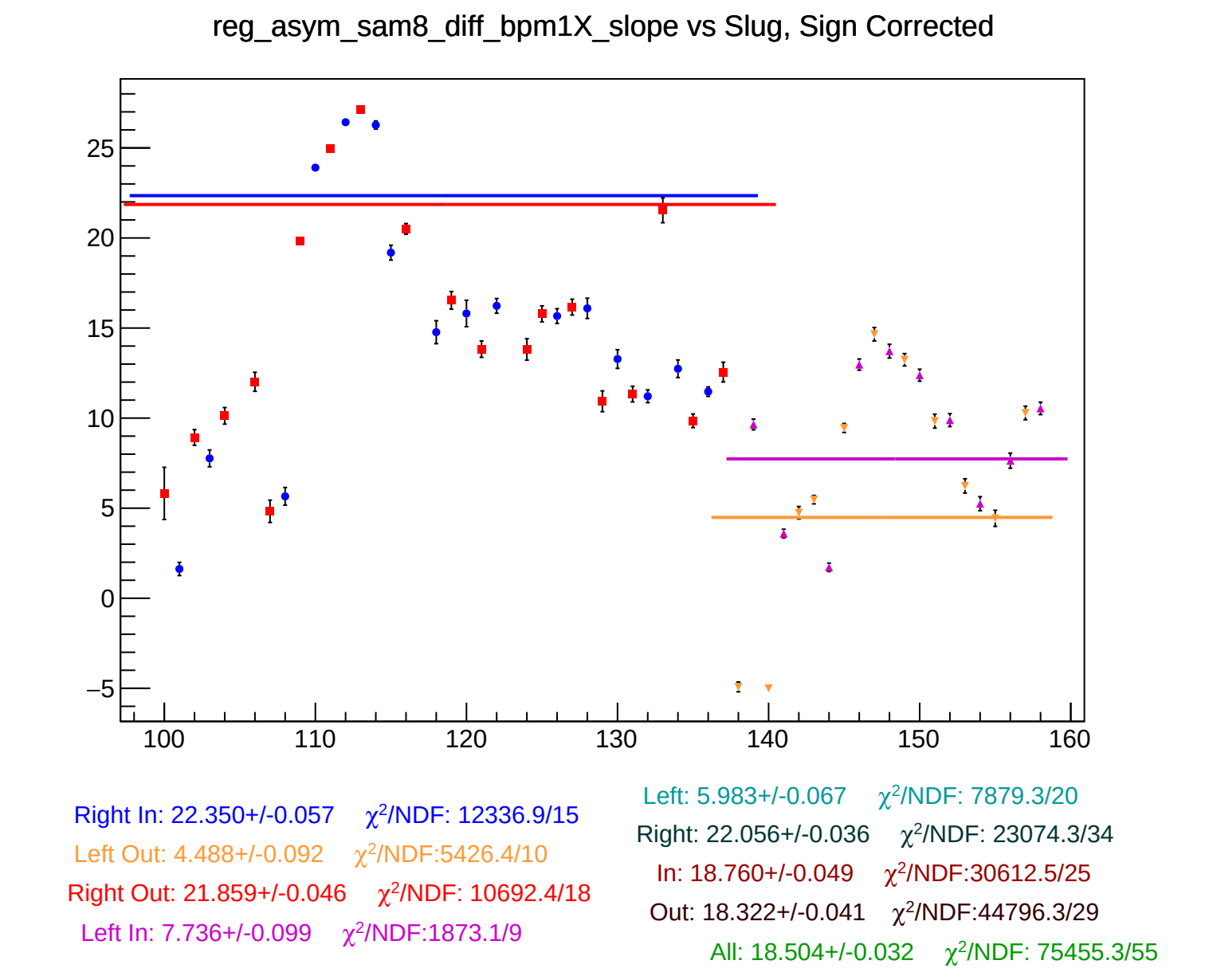
Left: 0.417+/-0.003 χ^2/NDF: 330.6/20

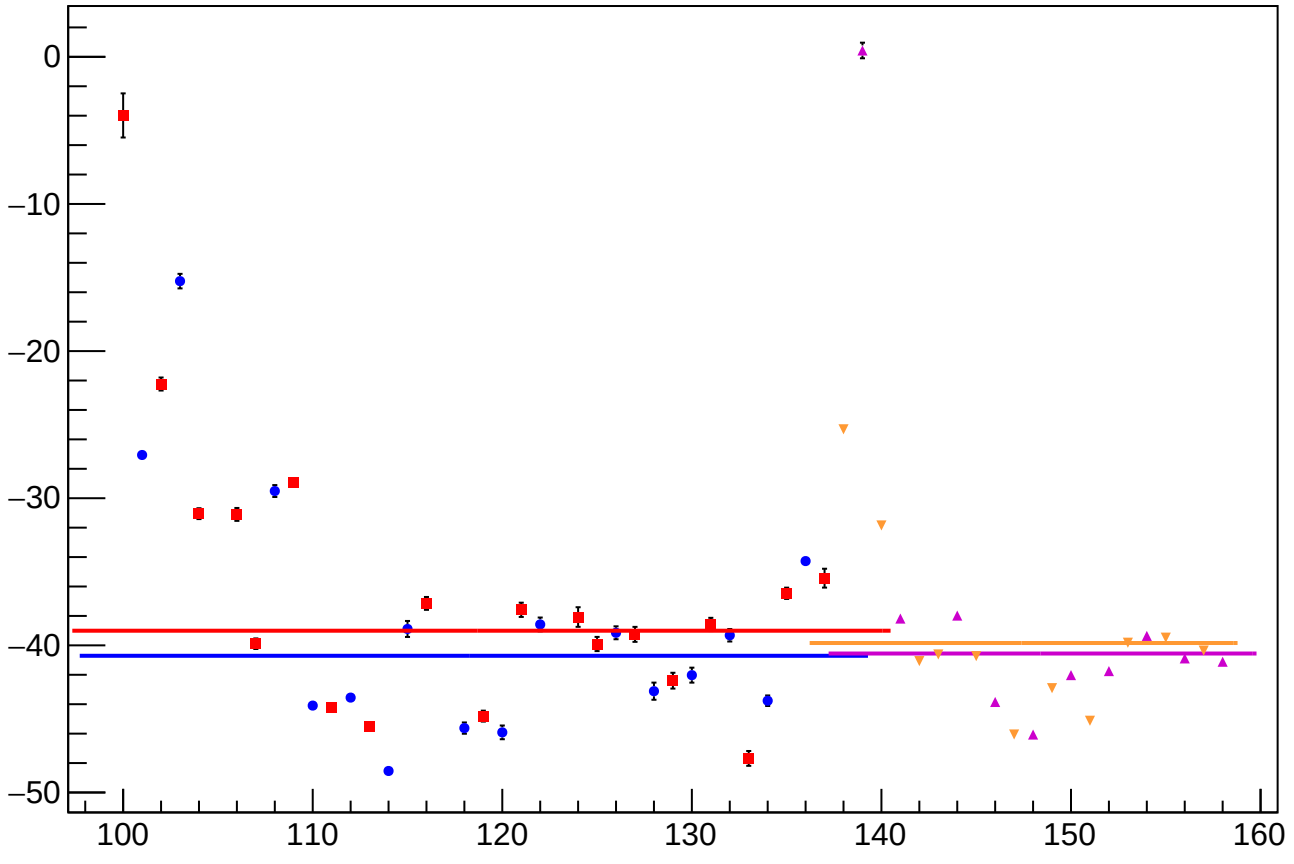
Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.354+/-0.004 χ^2/NDF:3136.9/25

Out: 0.372+/-0.004 χ^2/NDF:4317.4/29

All: 0.363+/-0.003 χ^2/NDF: 7465.2/55


reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 22.350+/-0.057 χ²/NDF: 12336.9/15
Left Out: 4.488+/-0.092 χ²/NDF:5426.4/10
Right Out: 21.859+/-0.046 χ²/NDF: 10692.4/18
Left In: 7.736+/-0.099 χ²/NDF:1873.1/9
Left: 5.983+/-0.067 χ²/NDF: 7879.3/20
Right: 22.056+/-0.036 χ²/NDF: 23074.3/34
In: 18.760+/-0.049 χ²/NDF:30612.5/25
Out: 18.322+/-0.041 χ²/NDF:44796.3/29
All: 18.504+/-0.032 χ²/NDF: 75455.3/55



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.840+/-0.064 χ^2/NDF:7313.7/10

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -40.555+/-0.069 χ^2/NDF:7704.5/9

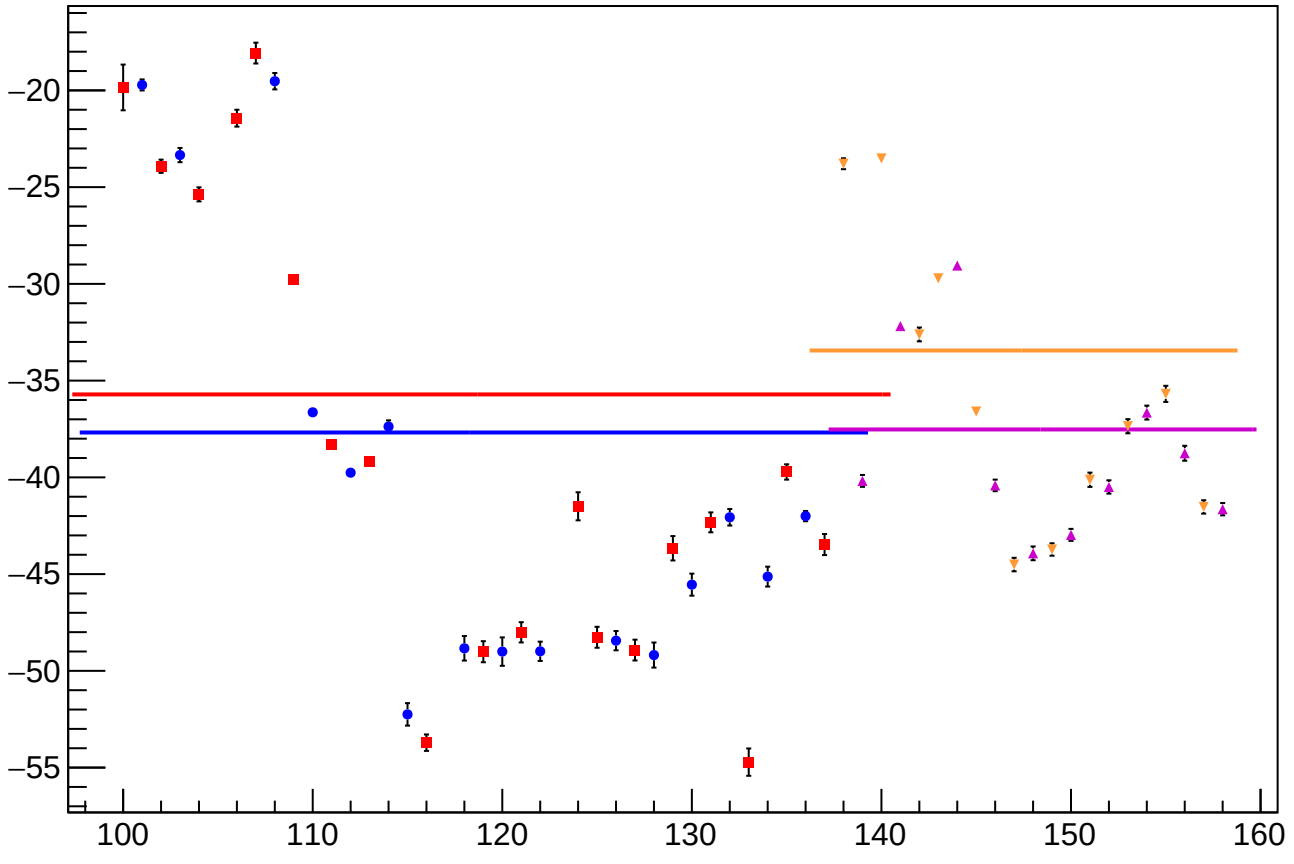
Left: -40.175+/-0.047 χ^2/NDF: 15075.8/20

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.624+/-0.051 χ^2/NDF:15487.1/25

Out: -39.464+/-0.048 χ^2/NDF:17491.0/29

All: -40.004+/-0.035 χ^2/NDF: 33253.4/55



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.442+/-0.091 χ^2/NDF:6650.6/10

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -37.524+/-0.097 χ^2/NDF:2770.1/9

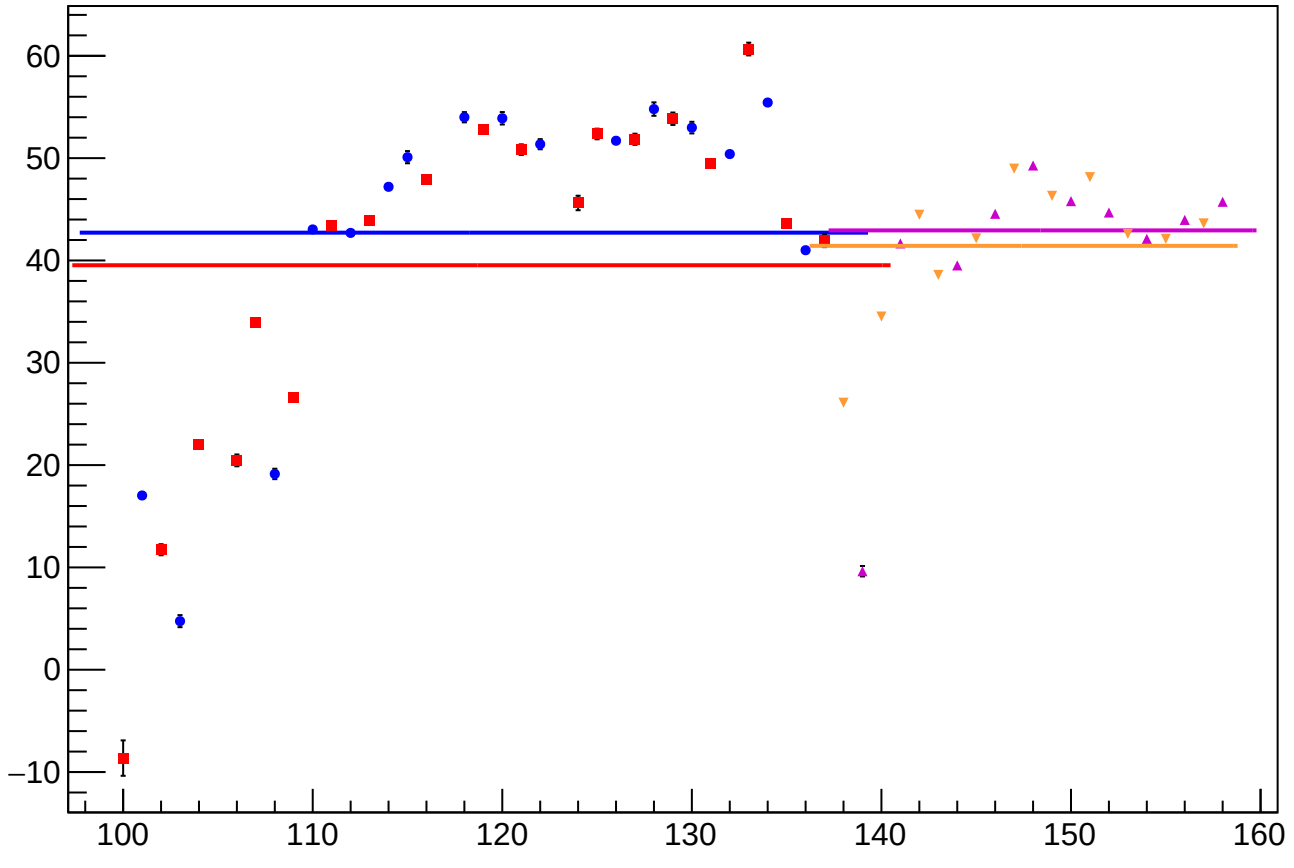
Left: -35.355+/-0.066 χ^2/NDF: 10363.1/20

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -37.623+/-0.059 χ^2/NDF:13625.7/25

Out: -34.957+/-0.053 χ^2/NDF:20340.4/29

All: -36.143+/-0.039 χ^2/NDF: 35112.0/55



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.428+/-0.078 χ^2/NDF:6033.6/10

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 42.939+/-0.082 χ^2/NDF:5602.2/9

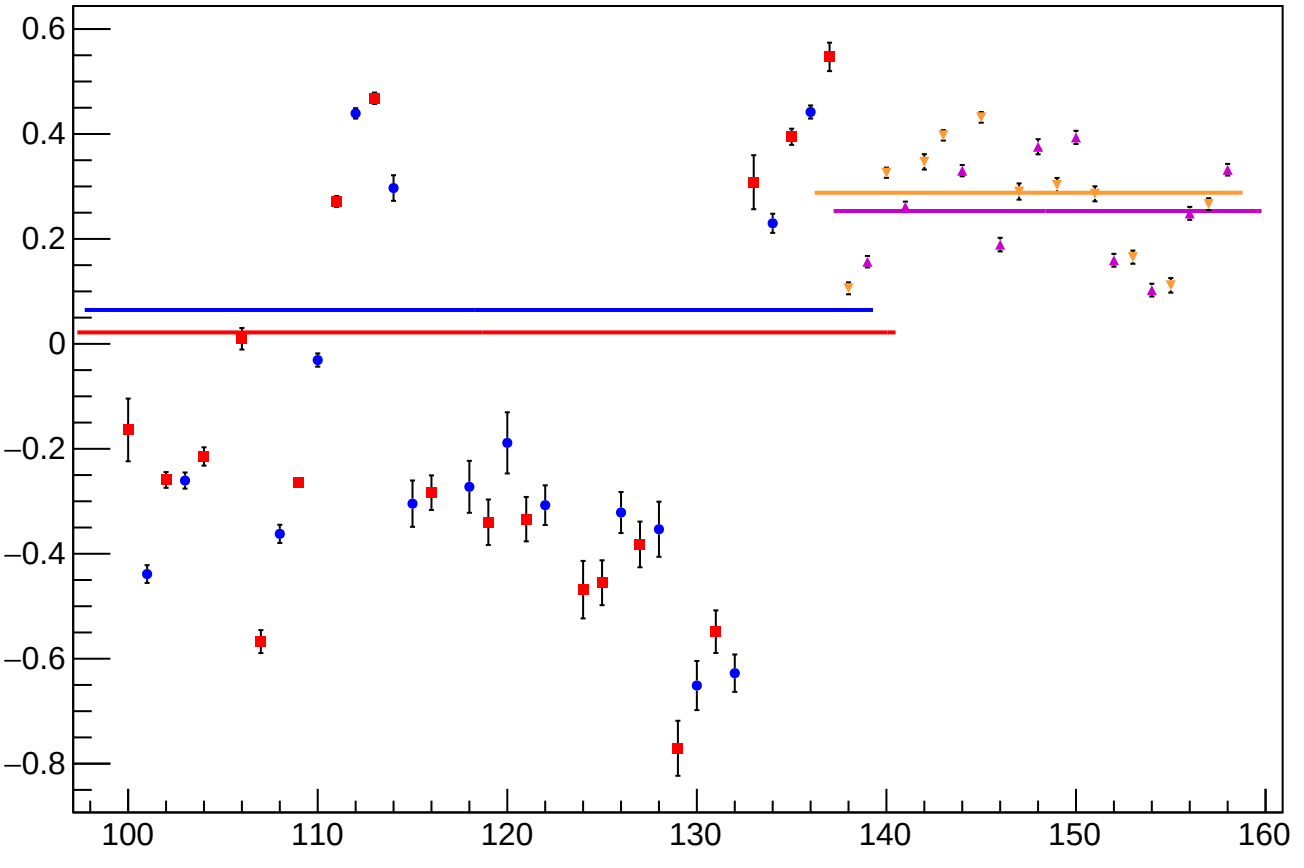
Left: 42.146+/-0.056 χ^2/NDF: 11815.9/20

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.833+/-0.059 χ^2/NDF:20370.7/25

Out: 40.488+/-0.055 χ^2/NDF:24307.9/29

All: 41.582+/-0.040 χ^2/NDF: 45524.9/55



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.288+/-0.004 χ^2/NDF:872.1/10

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.253+/-0.004 χ^2/NDF:611.2/9

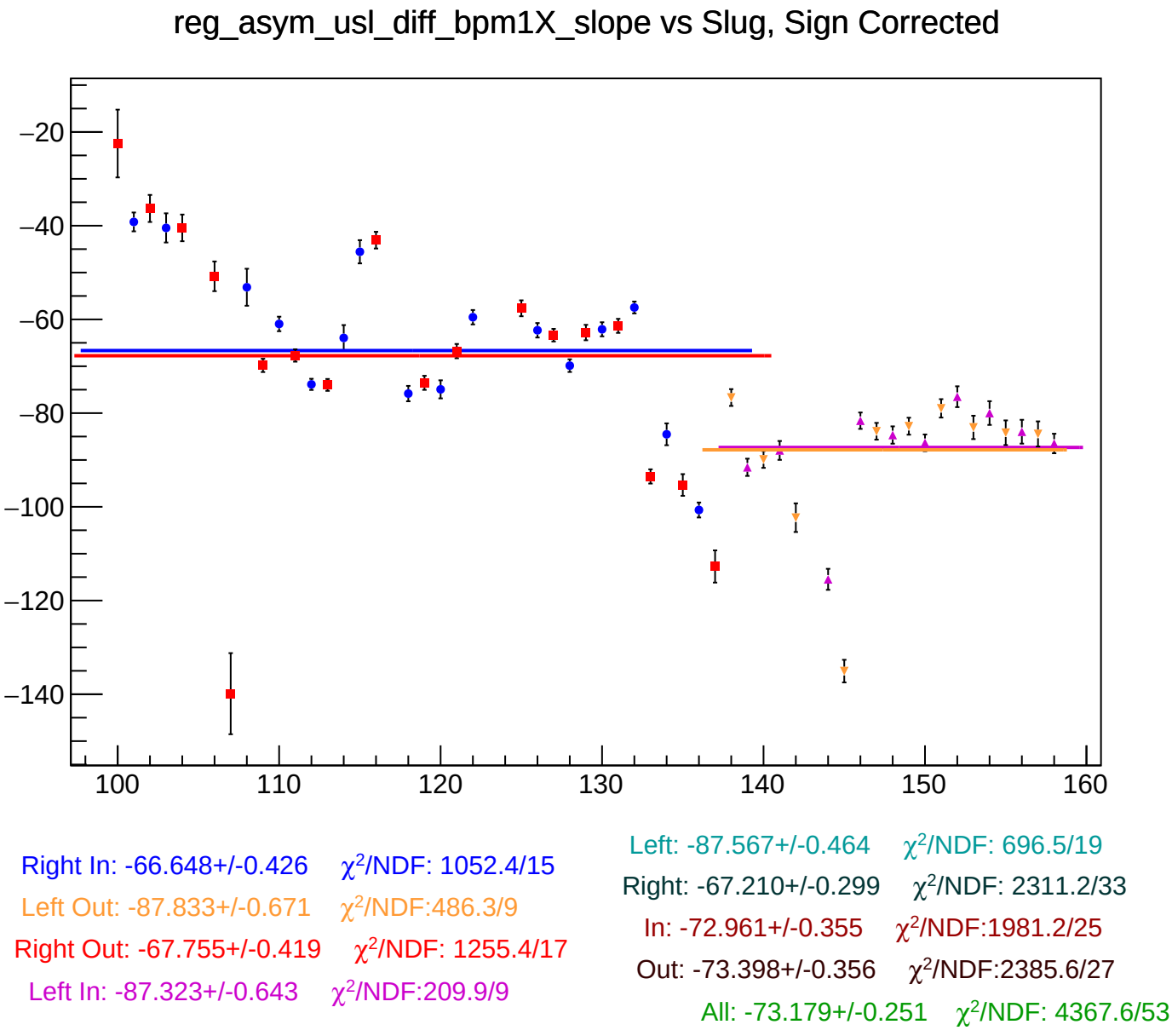
Left: 0.271+/-0.003 χ^2/NDF: 1528.3/20

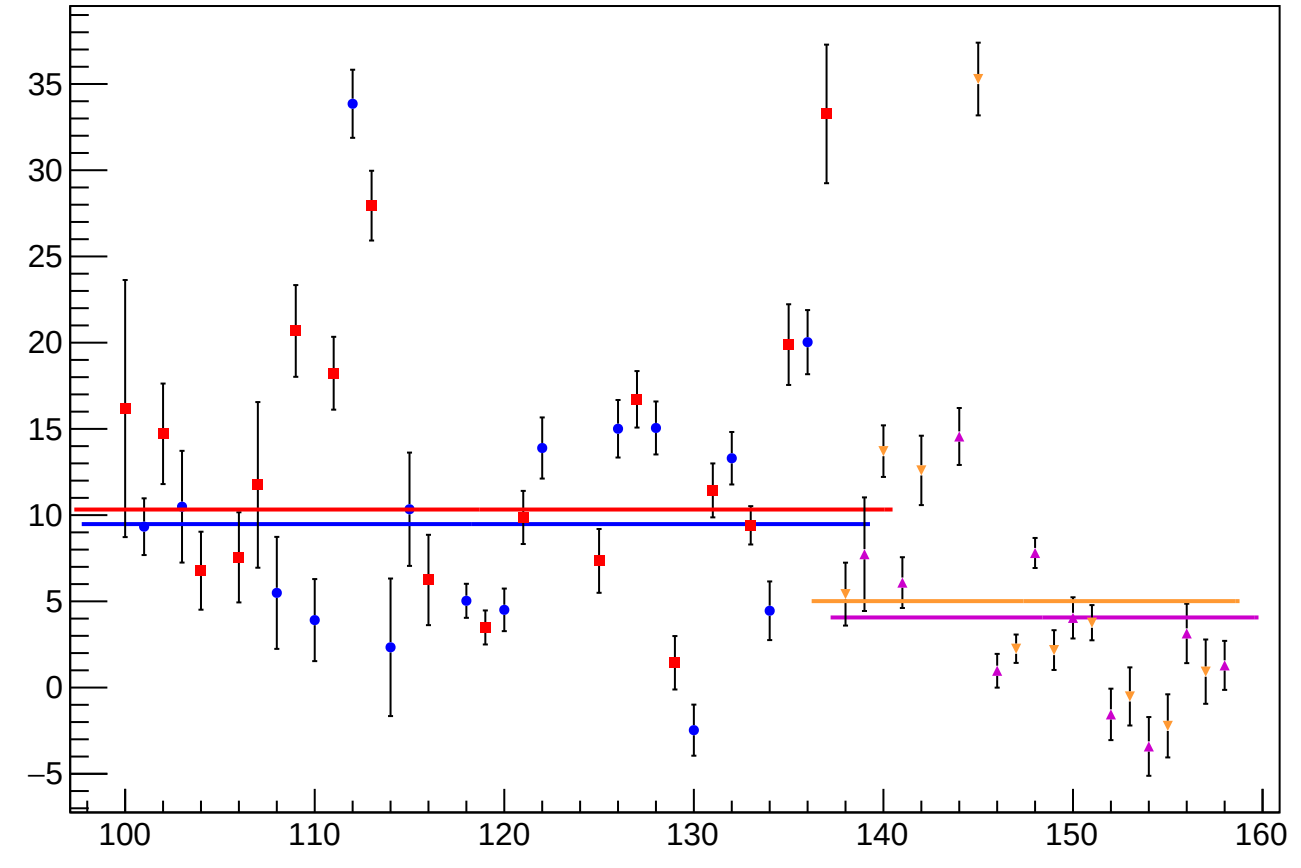
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.183+/-0.003 χ^2/NDF:7061.1/25

Out: 0.180+/-0.003 χ^2/NDF:9471.6/29

All: 0.182+/-0.002 χ^2/NDF: 16533.1/55


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -87.833+/-0.671 χ²/NDF:486.3/9
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -87.323+/-0.643 χ²/NDF:209.9/9
Left: -87.567+/-0.464 χ²/NDF: 696.5/19
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -72.961+/-0.355 χ²/NDF:1981.2/25
Out: -73.398+/-0.356 χ²/NDF:2385.6/27
All: -73.179+/-0.251 χ²/NDF: 4367.6/53



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 5.012+/-0.432 χ^2/NDF:304.3/9

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 4.066+/-0.422 χ^2/NDF:109.5/9

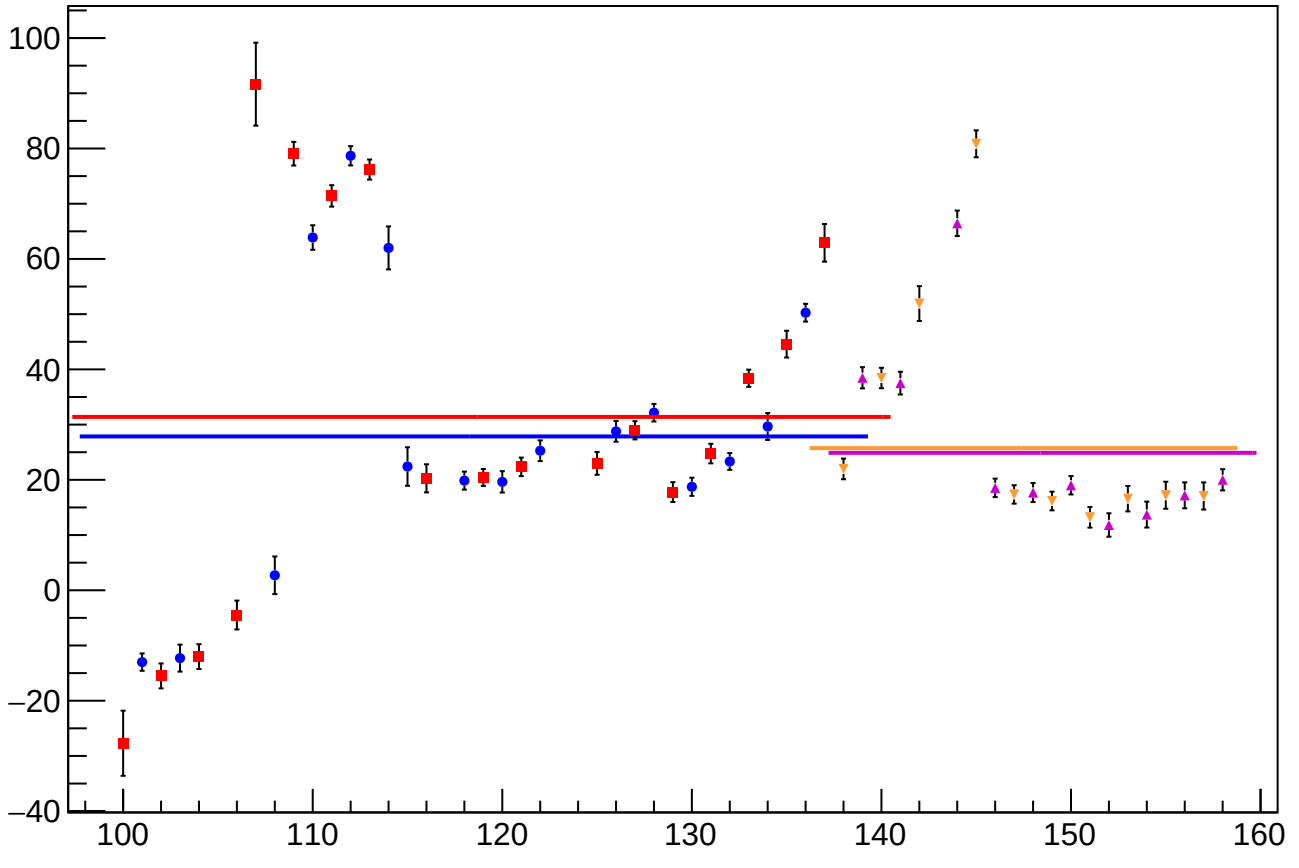
Left: 4.528+/-0.302 χ^2/NDF: 416.2/19

Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 6.736+/-0.301 χ^2/NDF:532.5/25

Out: 7.649+/-0.307 χ^2/NDF:642.6/27

All: 7.183+/-0.215 χ^2/NDF: 1179.6/53



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 25.743+/-0.651 χ^2/NDF:772.7/9

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 24.889+/-0.620 χ^2/NDF:533.7/9

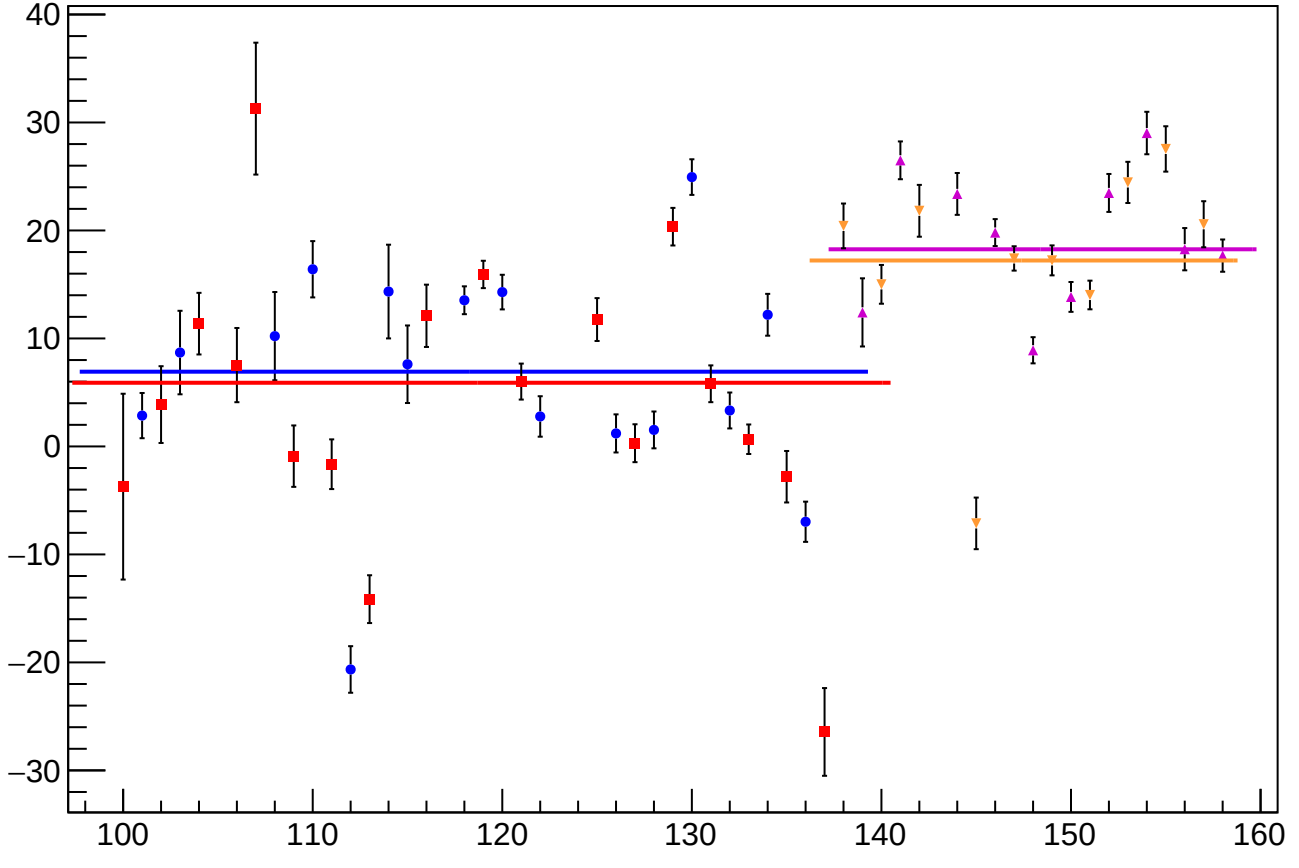
Left: 25.295+/-0.449 χ^2/NDF: 1307.3/19

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 26.739+/-0.381 χ^2/NDF:3022.0/25

Out: 29.362+/-0.390 χ^2/NDF:3832.4/27

All: 28.018+/-0.272 χ^2/NDF: 6877.5/53



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.220+/-0.535 χ^2/NDF:158.2/9

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.256+/-0.511 χ^2/NDF:142.8/9

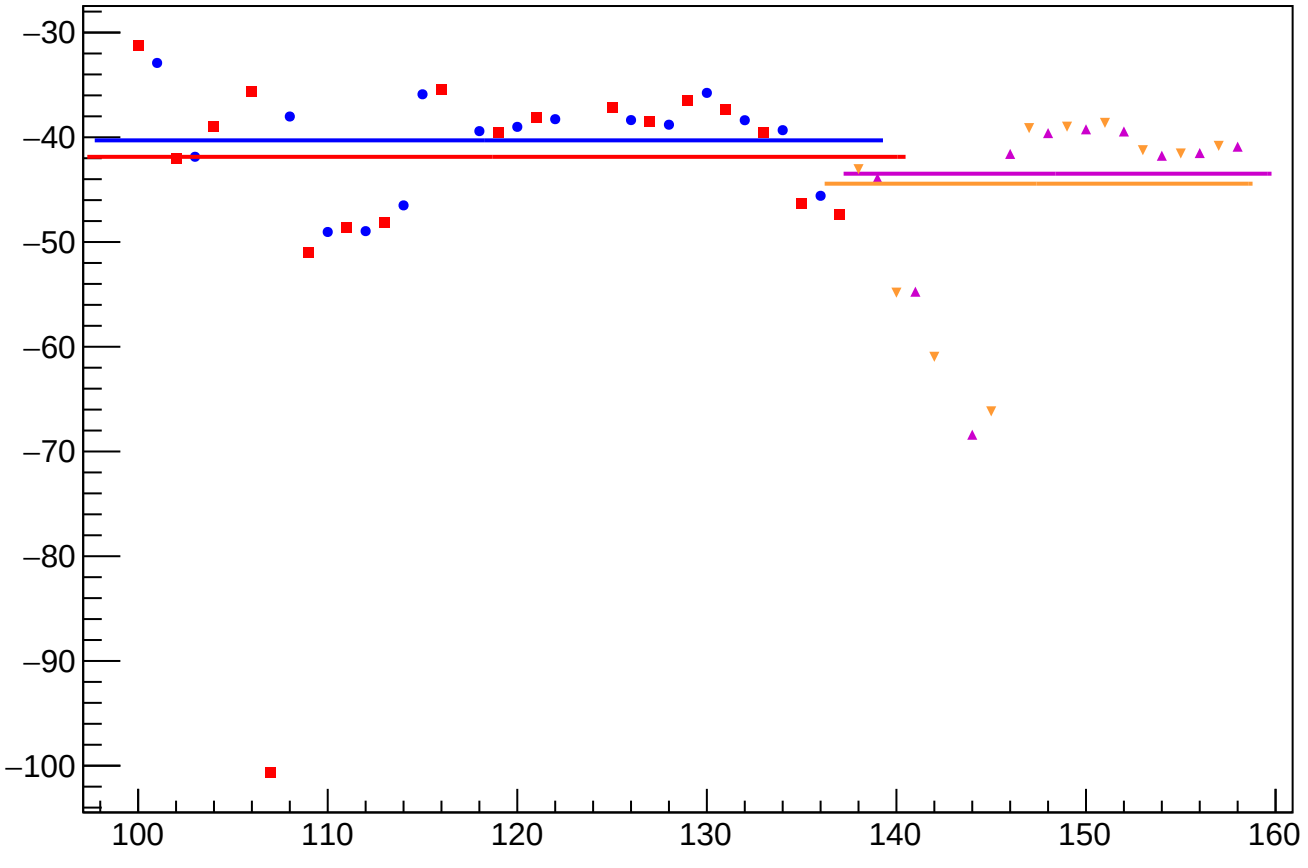
Left: 17.762+/-0.370 χ^2/NDF: 302.9/19

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 12.417+/-0.356 χ^2/NDF:840.7/25

Out: 11.190+/-0.366 χ^2/NDF:763.9/27

All: 11.821+/-0.255 χ^2/NDF: 1610.4/53



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -44.430+/-0.026 χ^2/NDF:105724.0/9

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -43.477+/-0.024 χ^2/NDF:88678.3/9

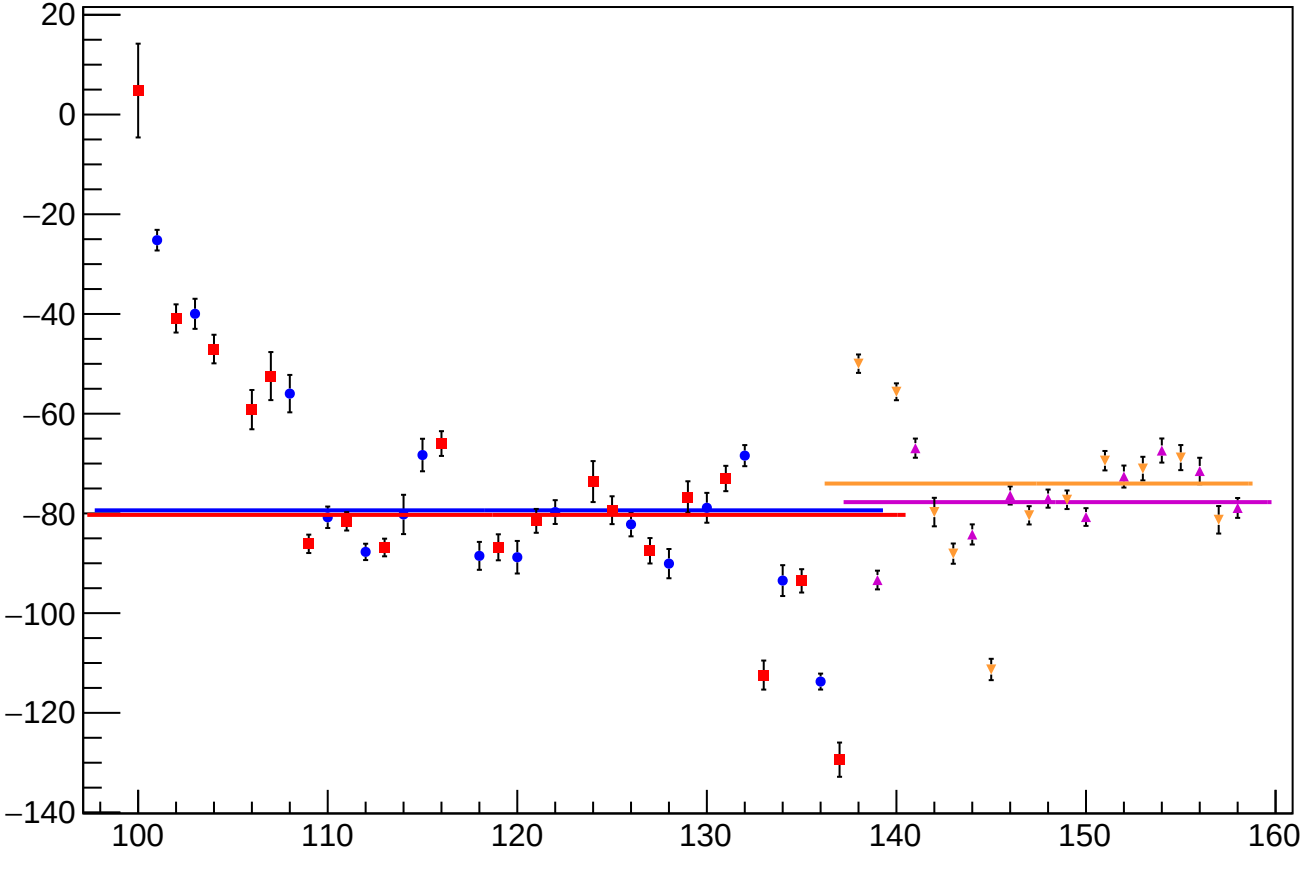
Left: -43.915+/-0.017 χ^2/NDF: 195151.3/19

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -42.329+/-0.019 χ^2/NDF:115917.5/25

Out: -43.433+/-0.020 χ^2/NDF:168353.3/27

All: -42.848+/-0.014 χ^2/NDF: 285882.0/53



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.010+/-0.627 χ^2/NDF:676.9/10

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -77.736+/-0.634 χ^2/NDF:144.2/9

Left: -75.854+/-0.446 χ^2/NDF: 838.6/20

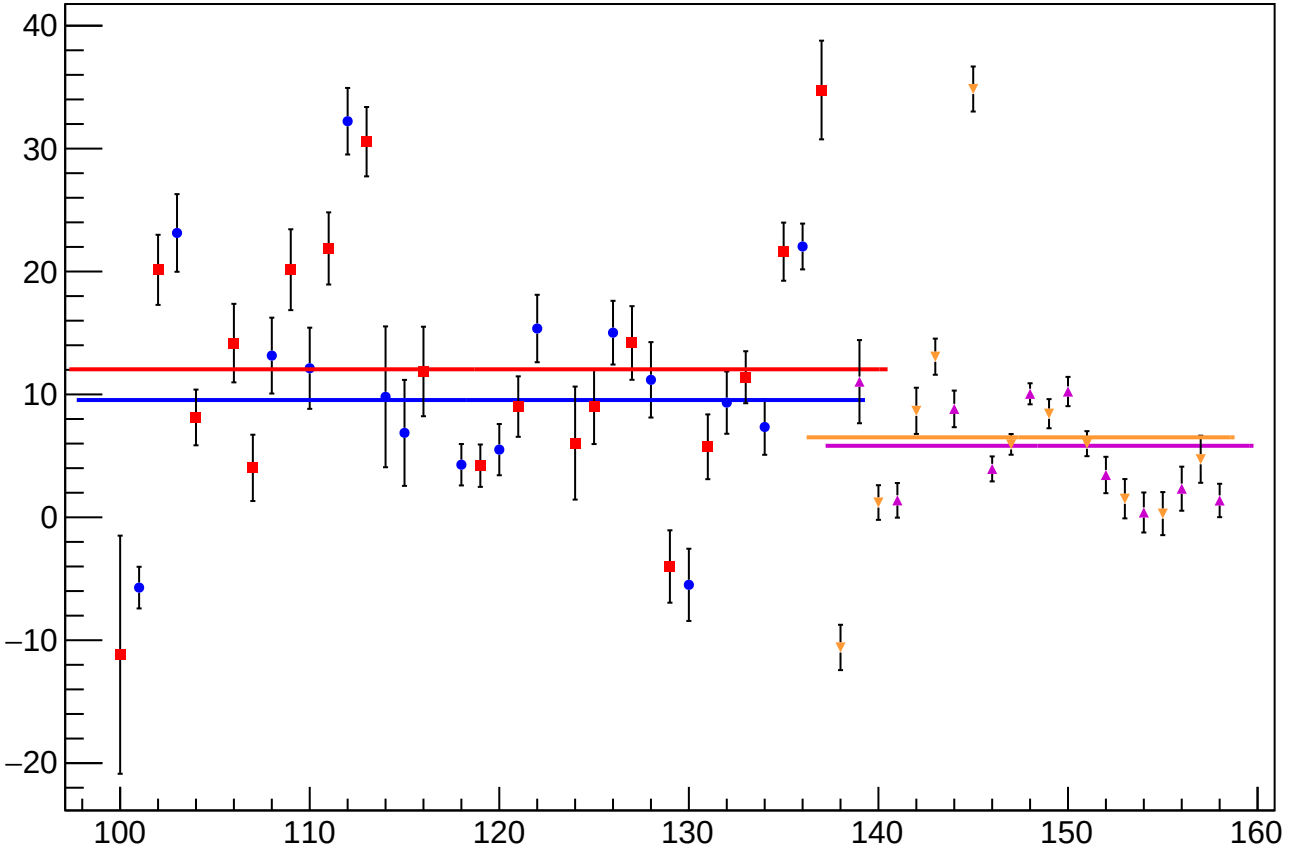
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -78.589+/-0.440 χ^2/NDF:1623.6/25

Out: -77.270+/-0.435 χ^2/NDF:1643.7/29

All: -77.922+/-0.309 χ^2/NDF: 3271.7/55

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 6.509+/-0.411 χ^2/NDF:387.1/10

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 5.820+/-0.416 χ^2/NDF:86.2/9

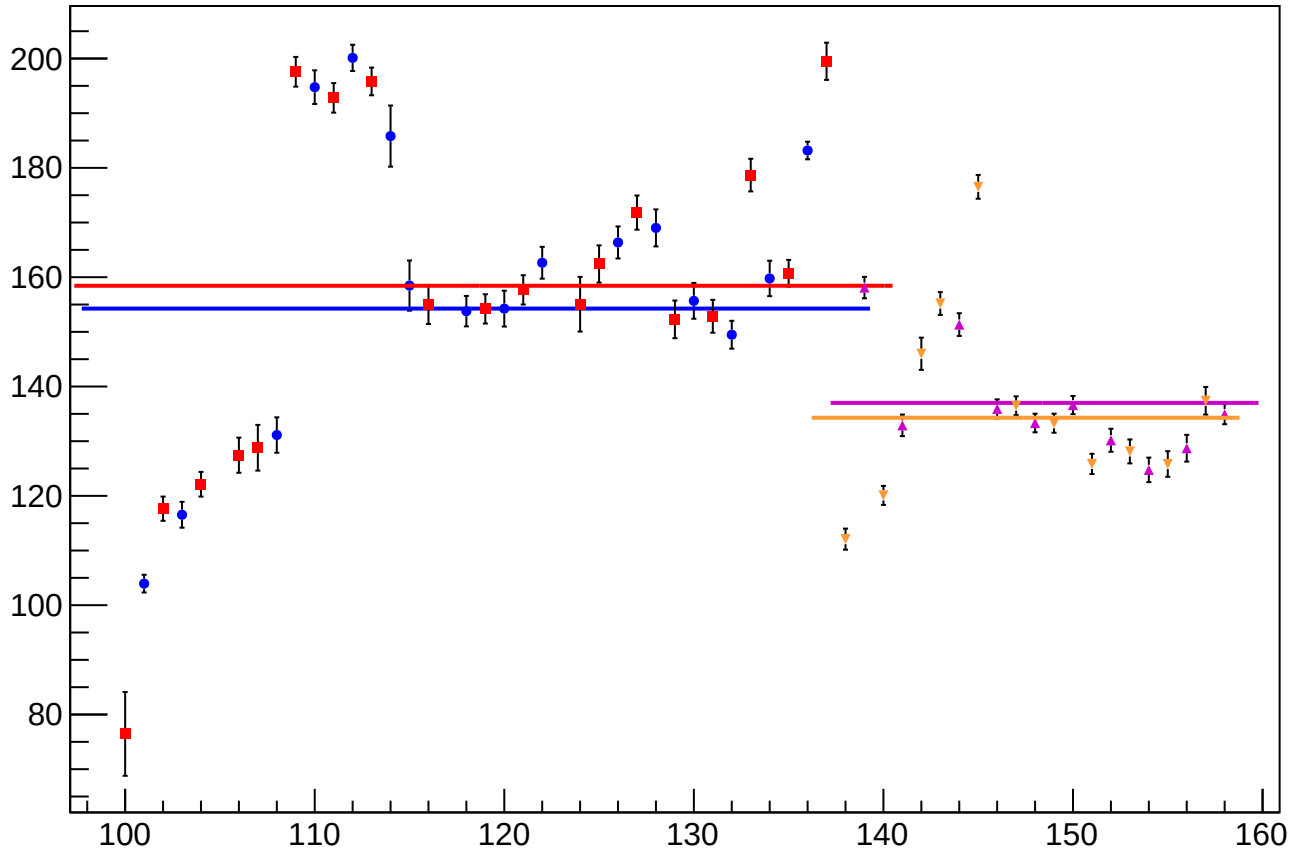
Left: 6.169+/-0.293 χ^2/NDF: 474.7/20

Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 6.974+/-0.346 χ^2/NDF:378.0/25

Out: 8.138+/-0.345 χ^2/NDF:636.3/29

All: 7.557+/-0.244 χ^2/NDF: 1019.9/55



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 134.293+/-0.613 χ^2/NDF:737.0/10

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 137.006+/-0.611 χ^2/NDF:226.0/9

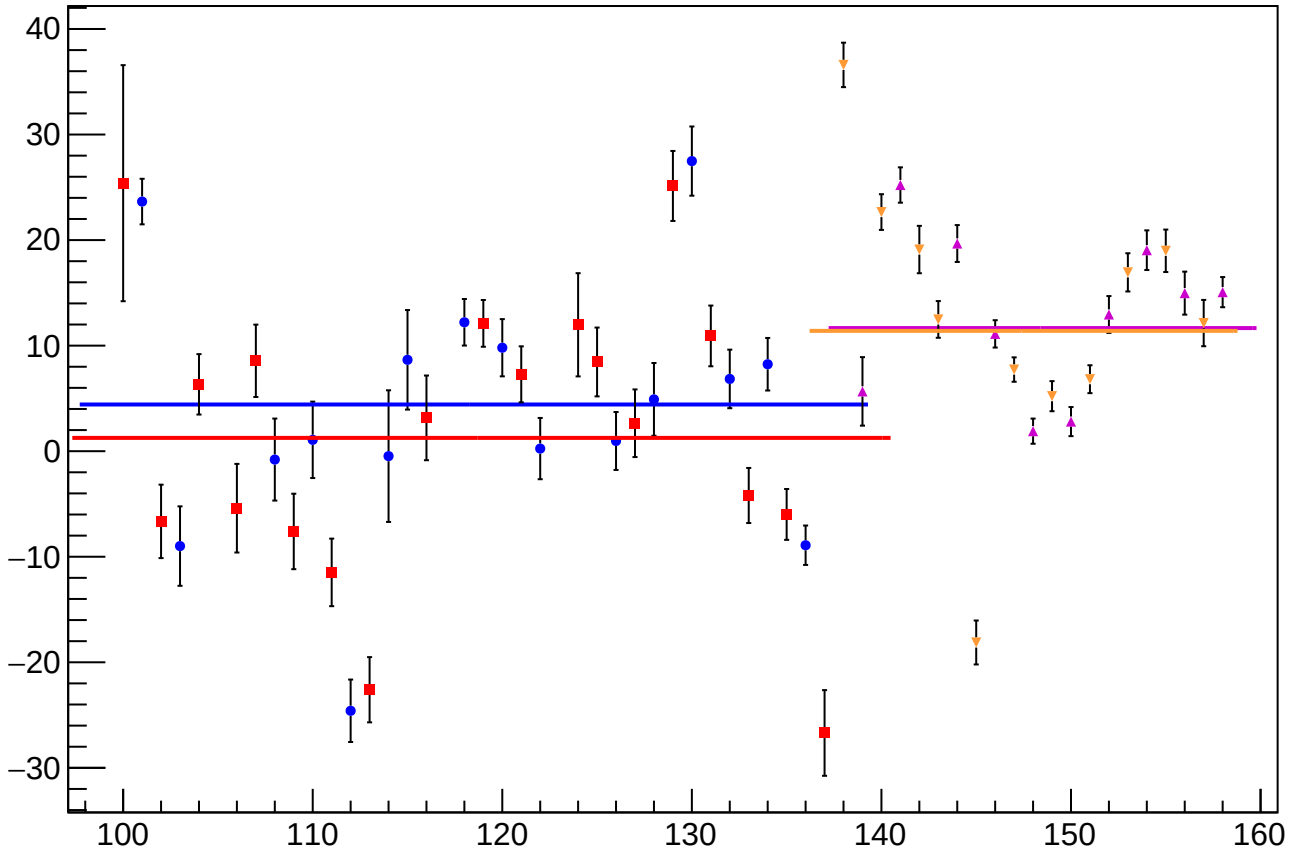
Left: 135.652+/-0.433 χ^2/NDF: 972.8/20

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 144.951+/-0.449 χ^2/NDF:2806.5/25

Out: 145.063+/-0.456 χ^2/NDF:3094.1/29

All: 145.006+/-0.320 χ^2/NDF: 5900.6/55



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 11.399+/-0.506 χ^2/NDF:465.1/10

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 11.664+/-0.503 χ^2/NDF:223.0/9

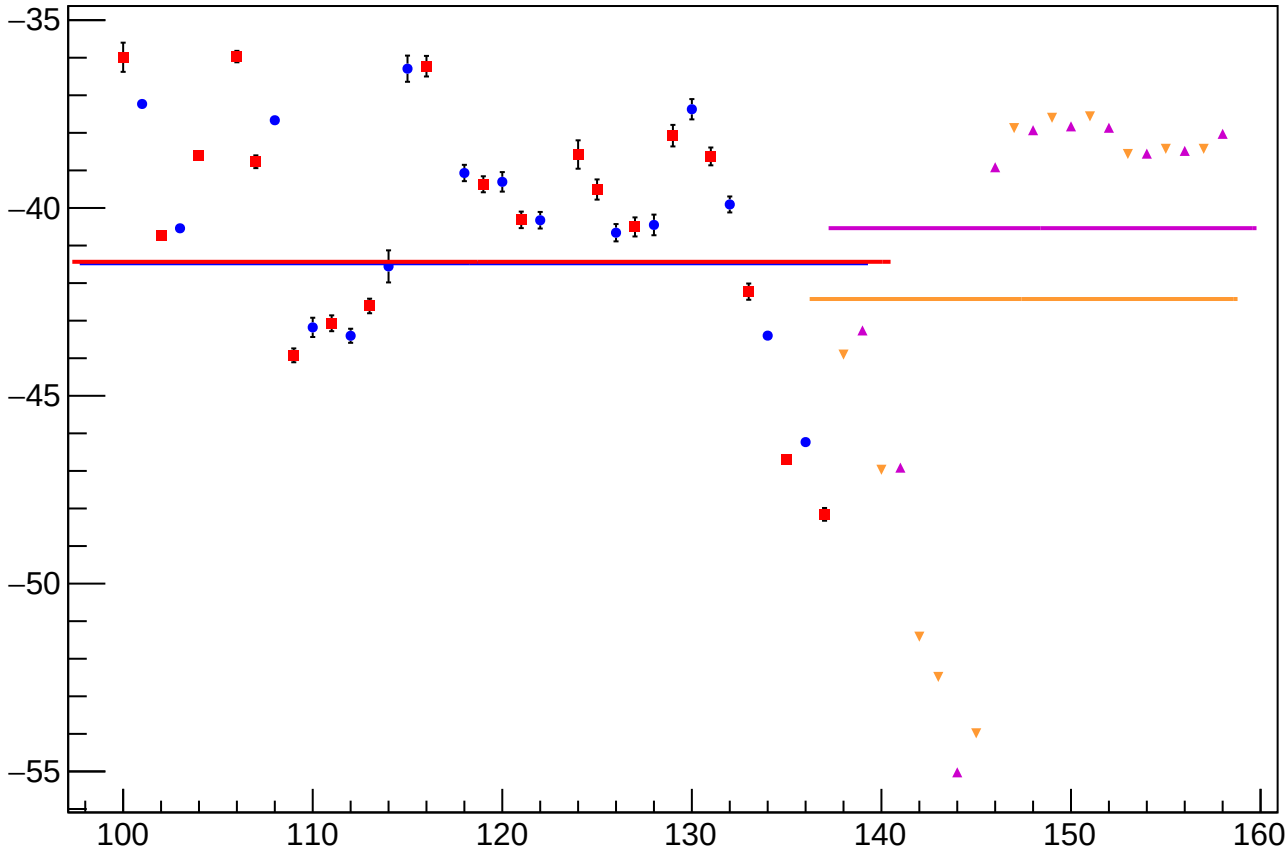
Left: 11.532+/-0.357 χ^2/NDF: 688.3/20

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 9.261+/-0.411 χ^2/NDF:607.8/25

Out: 8.119+/-0.416 χ^2/NDF:859.9/29

All: 8.697+/-0.293 χ^2/NDF: 1471.5/55



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -42.423+/-0.024 χ^2/NDF:60669.7/10

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -40.537+/-0.023 χ^2/NDF:39625.5/9

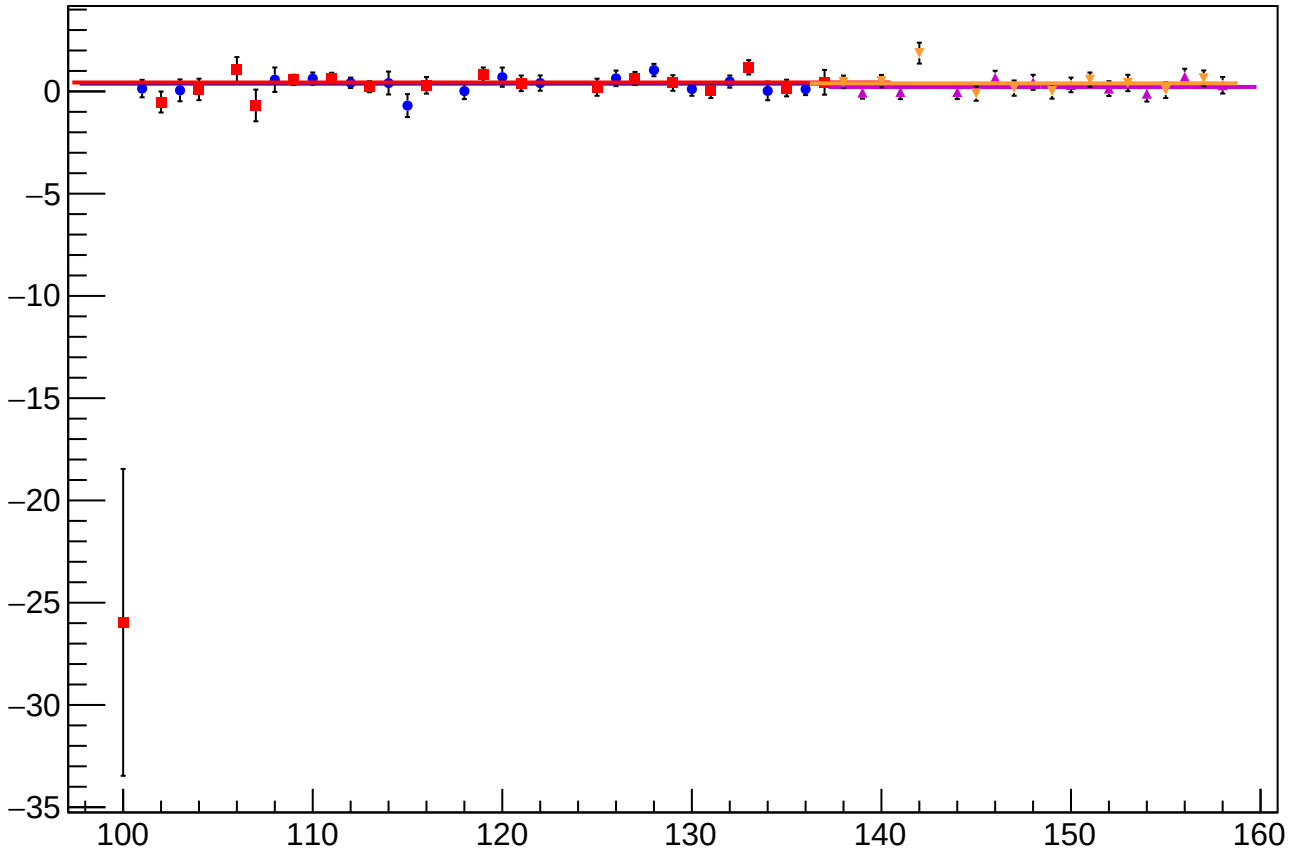
Left: -41.443+/-0.017 χ^2/NDF: 103440.7/20

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.792+/-0.020 χ^2/NDF:47975.0/25

Out: -42.153+/-0.021 χ^2/NDF:69351.8/29

All: -41.446+/-0.014 χ^2/NDF: 119578.7/55



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.396+/-0.115 χ^2/NDF:13.3/9

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.217+/-0.113 χ^2/NDF:6.5/9

Left: 0.304+/-0.081 χ^2/NDF: 21.1/19

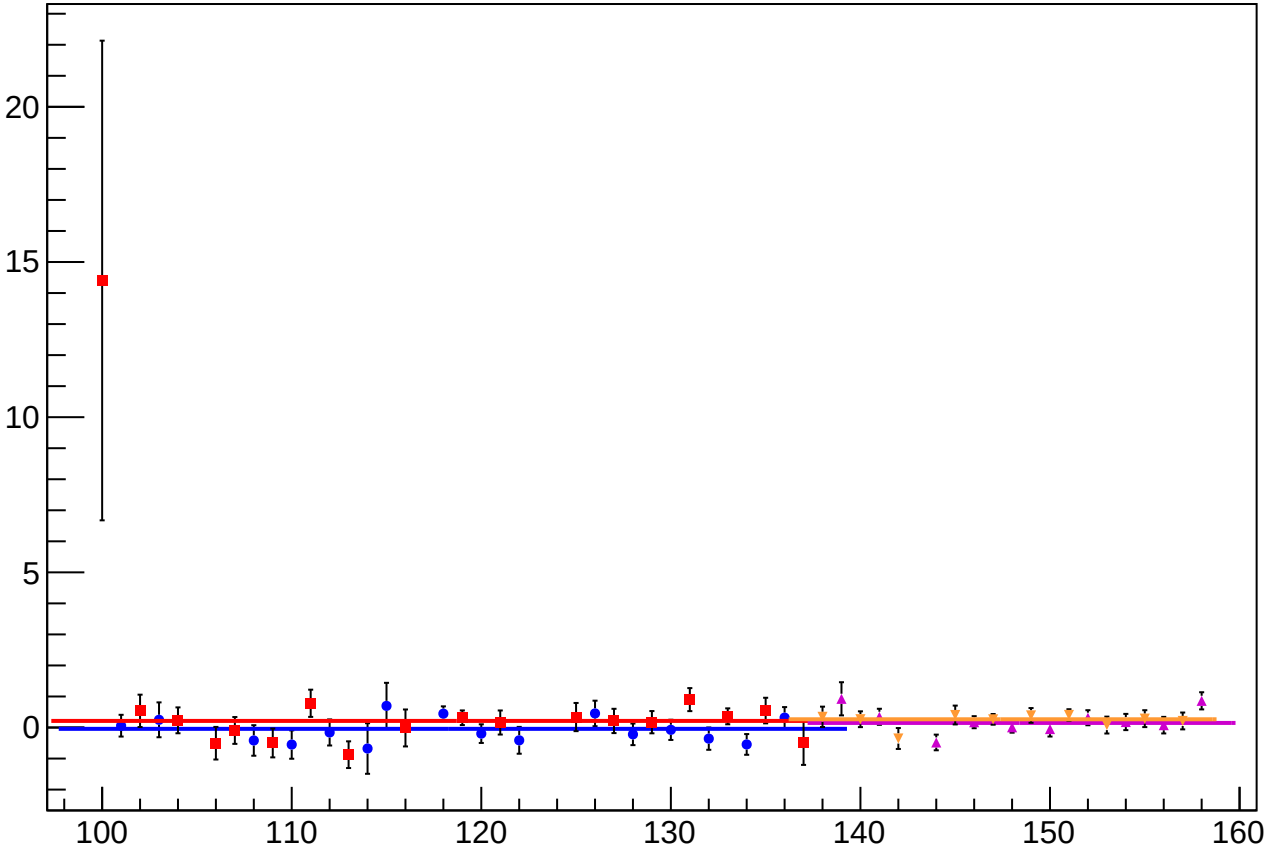
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.316+/-0.071 χ^2/NDF:21.8/25

Out: 0.421+/-0.071 χ^2/NDF:42.4/27

All: 0.369+/-0.050 χ^2/NDF: 65.3/53

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.266+/-0.078 χ^2/NDF:5.0/9

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.148+/-0.077 χ^2/NDF:17.5/9

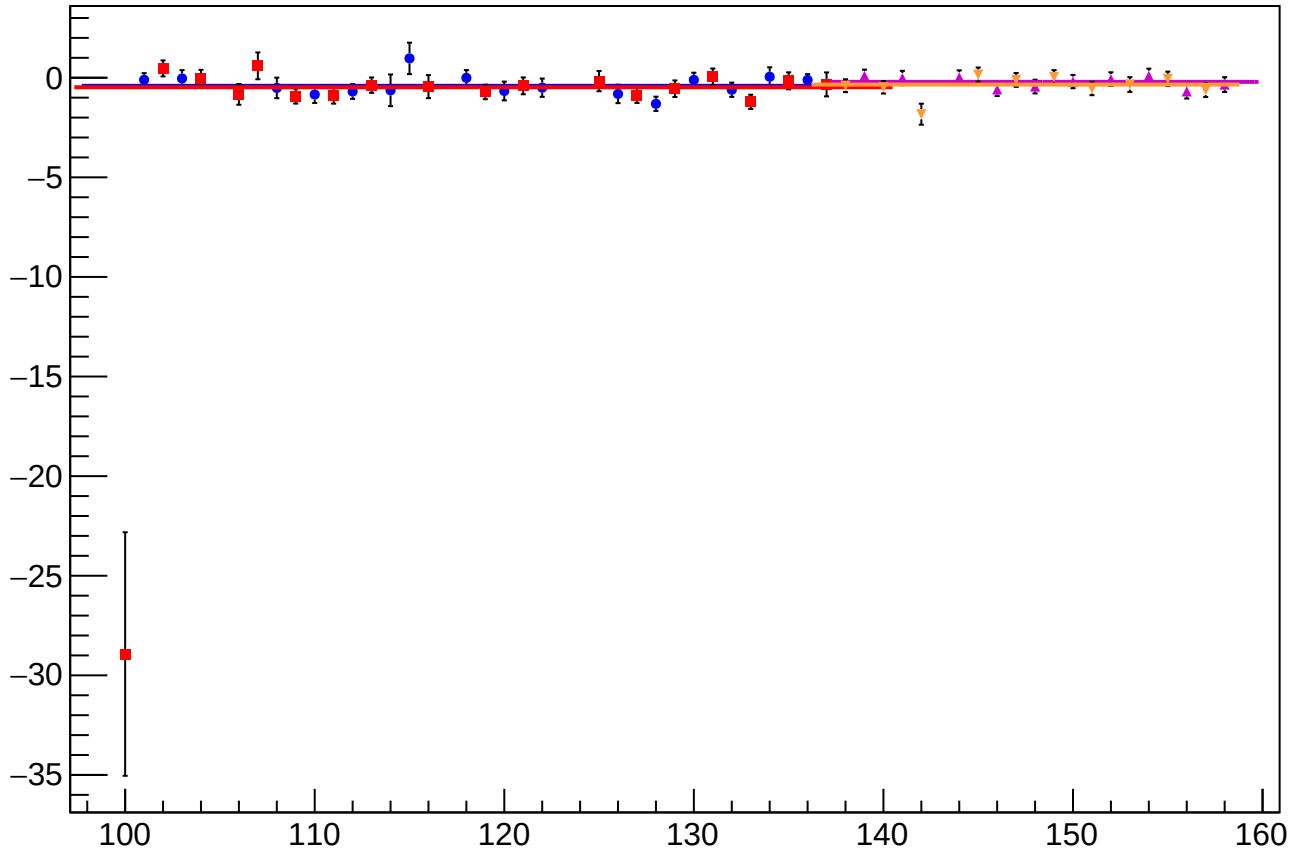
Left: 0.206+/-0.055 χ^2/NDF: 23.6/19

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.072+/-0.060 χ^2/NDF:35.0/25

Out: 0.245+/-0.060 χ^2/NDF:27.6/27

All: 0.157+/-0.042 χ^2/NDF: 66.7/53



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.344+/-0.112 χ^2/NDF:13.3/9

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.207+/-0.109 χ^2/NDF:6.3/9

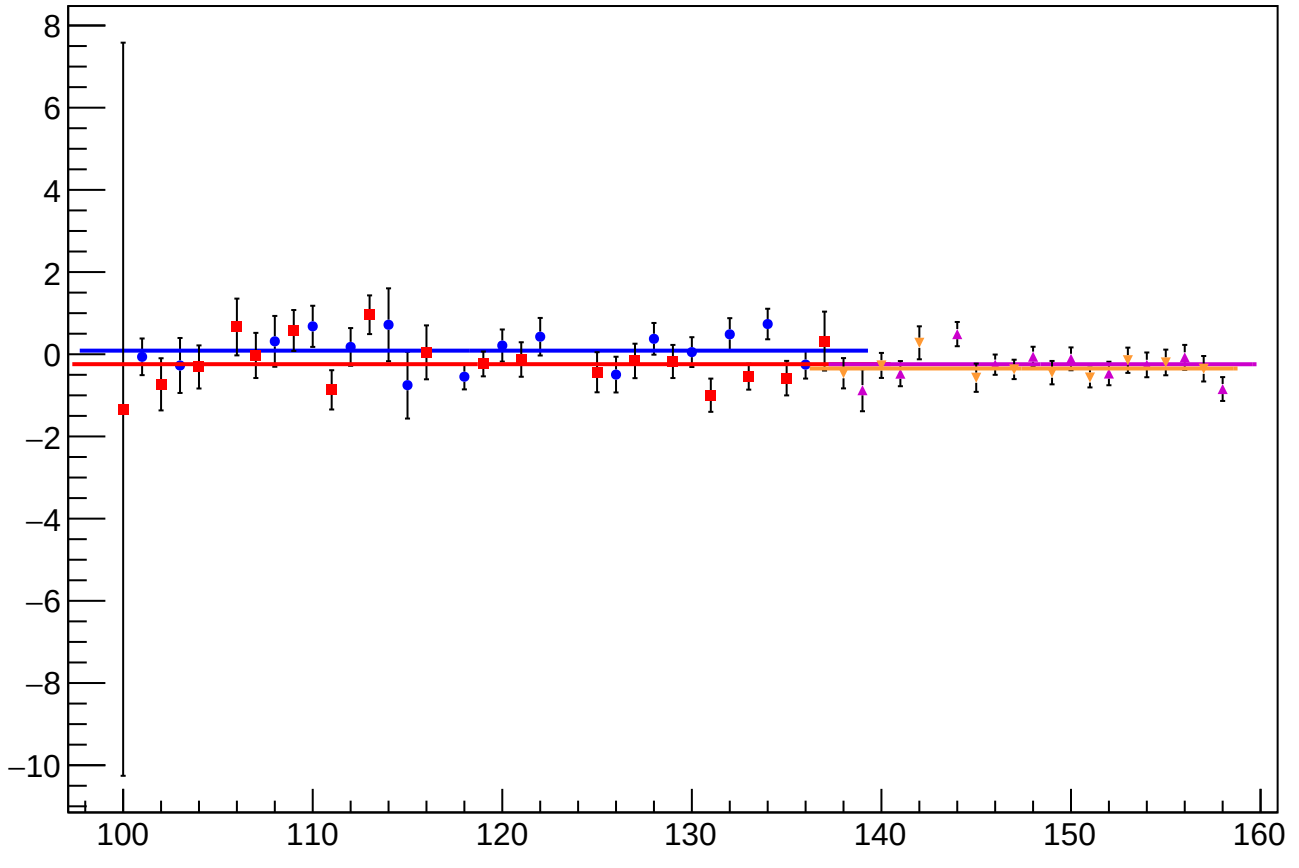
Left: -0.273+/-0.078 χ^2/NDF: 20.4/19

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.312+/-0.075 χ^2/NDF:25.8/25

Out: -0.416+/-0.076 χ^2/NDF:56.3/27

All: -0.363+/-0.053 χ^2/NDF: 83.1/53



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.346+/-0.095 χ^2/NDF:4.6/9

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.243+/-0.092 χ^2/NDF:14.3/9

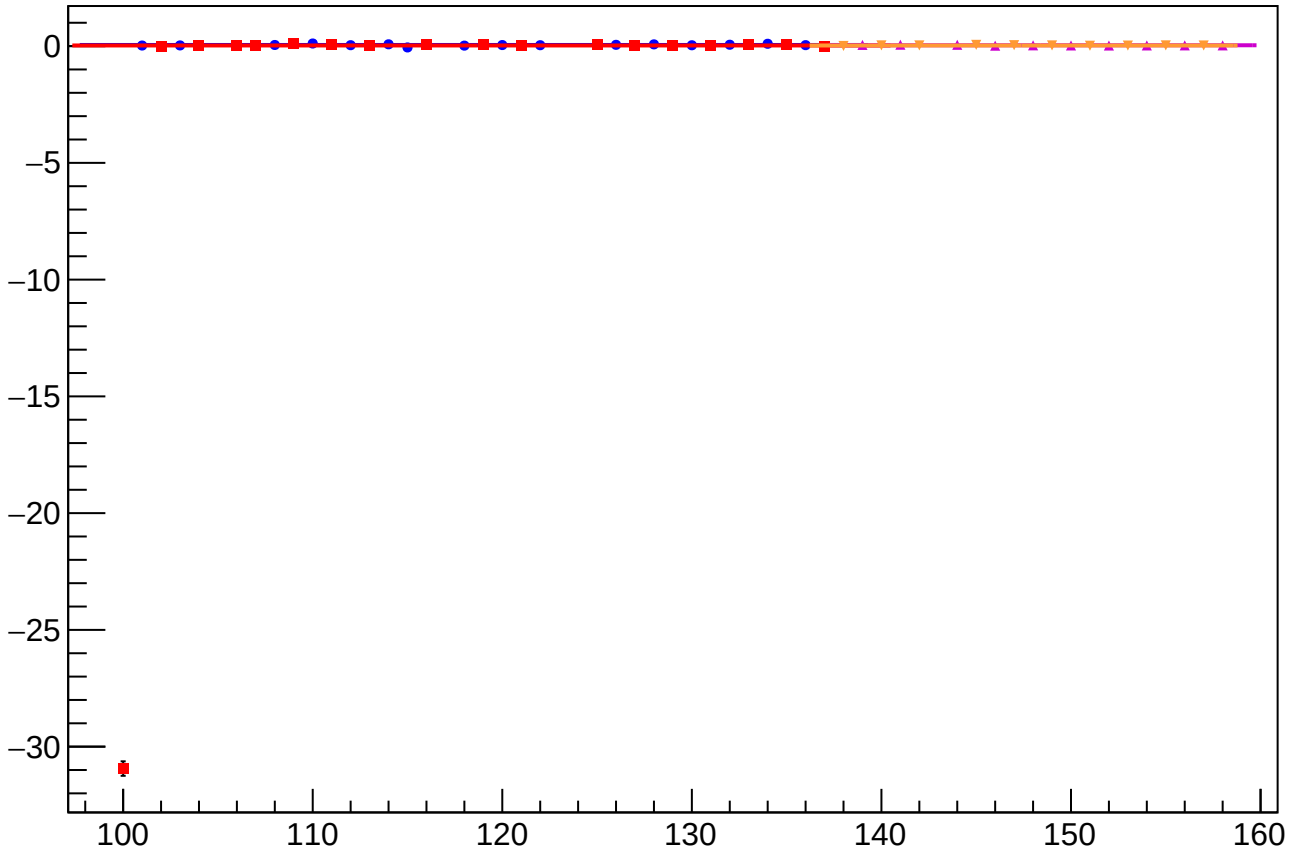
Left: -0.293+/-0.066 χ^2/NDF: 19.5/19

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.104+/-0.070 χ^2/NDF:35.6/25

Out: -0.301+/-0.072 χ^2/NDF:24.8/27

All: -0.201+/-0.050 χ^2/NDF: 64.2/53



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:7.9/9

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.037+/-0.004 χ^2/NDF:9.9/9

Left: 0.032+/-0.003 χ^2/NDF: 20.1/19

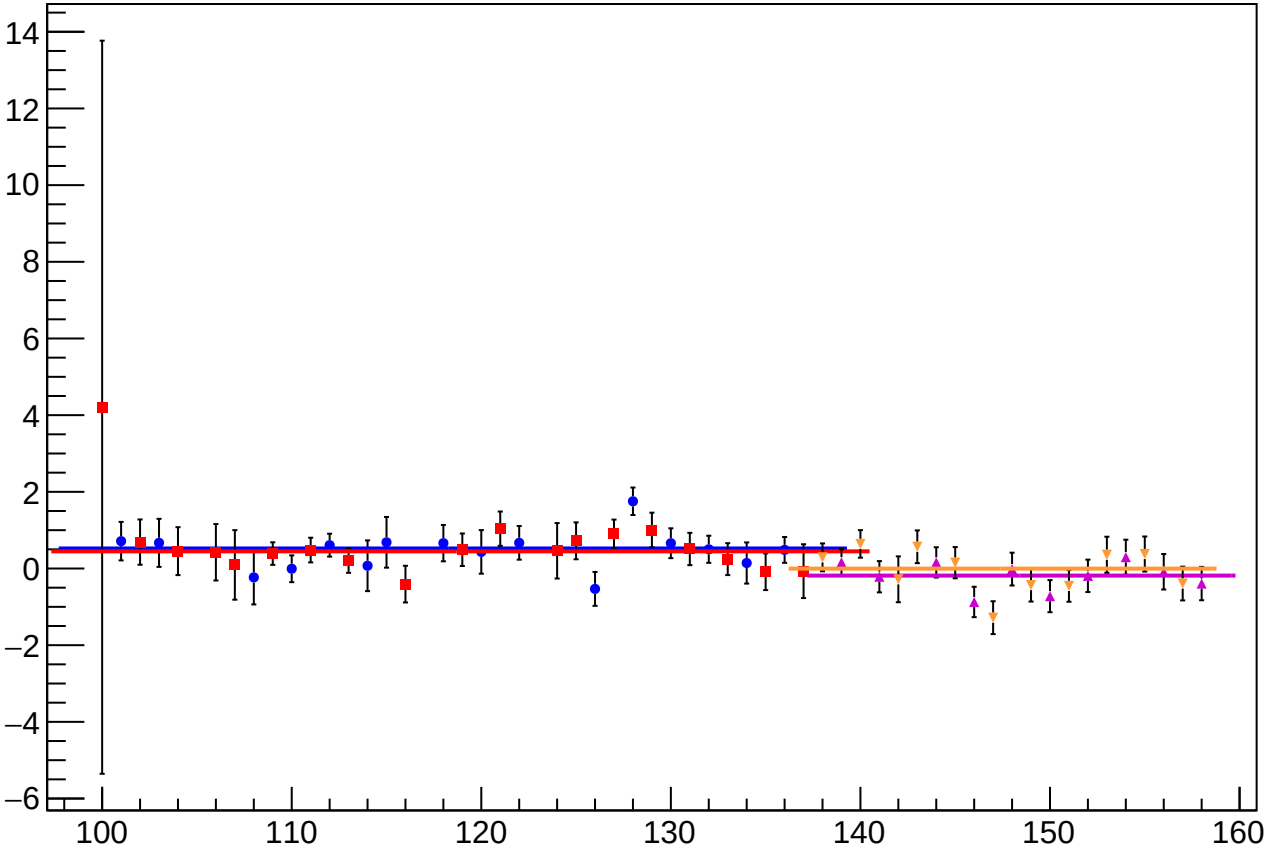
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.040+/-0.003 χ^2/NDF:31.6/25

Out: 0.028+/-0.004 χ^2/NDF:10028.8/27

All: 0.034+/-0.002 χ^2/NDF: 10066.8/53

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.003+/-0.128 χ^2/NDF:19.2/10

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.185+/-0.131 χ^2/NDF:8.0/9

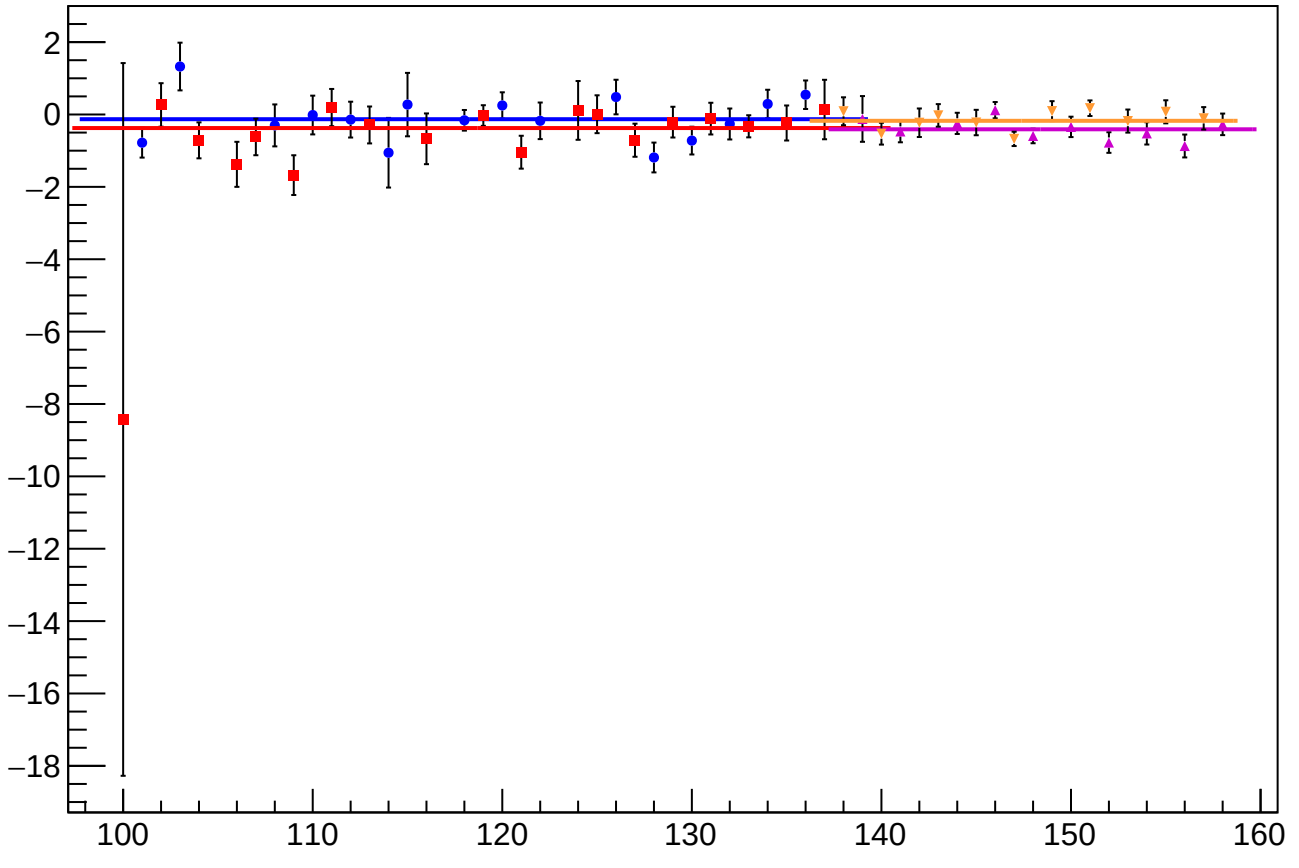
Left: -0.092+/-0.092 χ^2/NDF: 28.1/20

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.234+/-0.083 χ^2/NDF:47.9/25

Out: 0.267+/-0.081 χ^2/NDF:37.9/29

All: 0.251+/-0.058 χ^2/NDF: 85.9/55



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.175+/-0.087 χ^2/NDF:12.7/10

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.409+/-0.089 χ^2/NDF:11.1/9

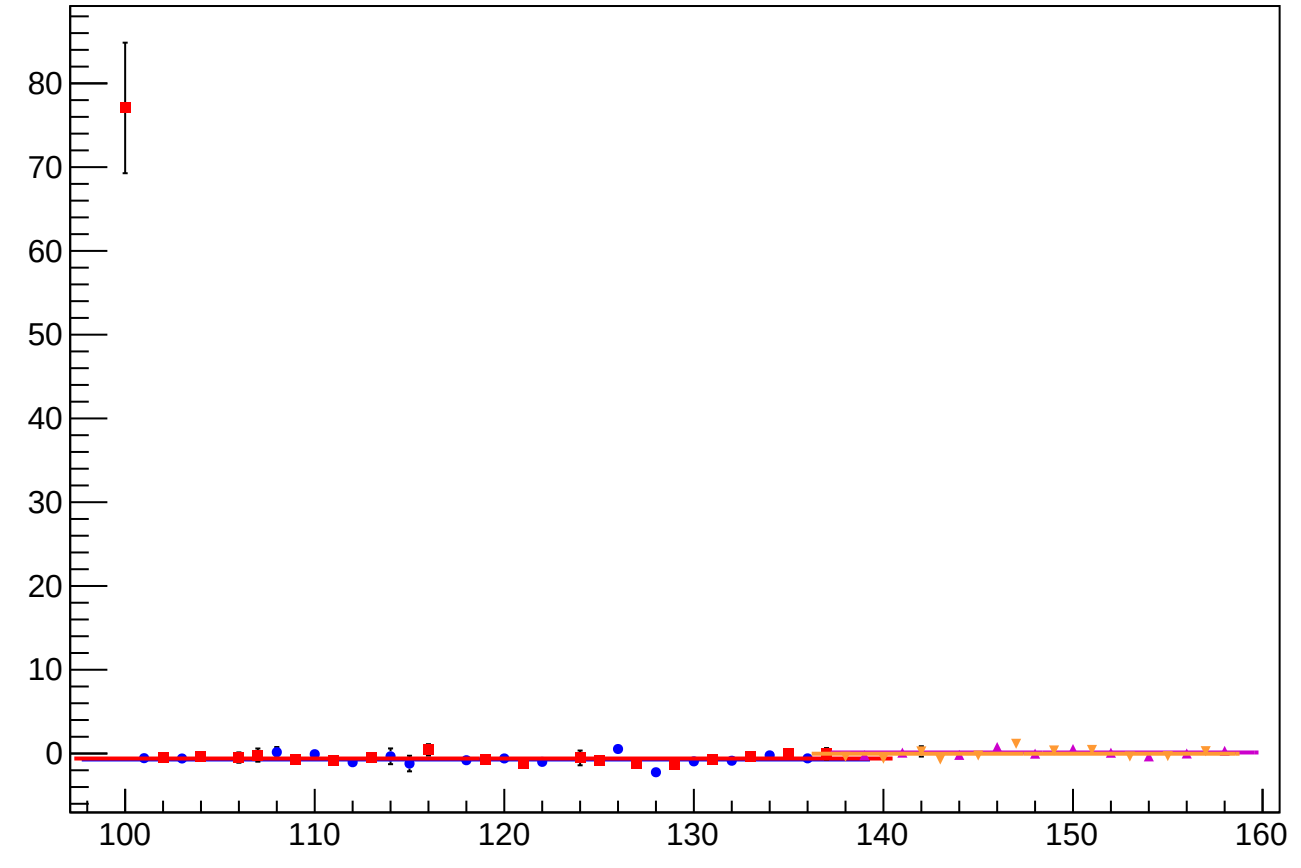
Left: -0.289+/-0.062 χ^2/NDF: 27.4/20

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.301+/-0.070 χ^2/NDF:39.5/25

Out: -0.250+/-0.068 χ^2/NDF:32.9/29

All: -0.275+/-0.049 χ^2/NDF: 72.7/55



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.024+/-0.125 χ^2/NDF:19.1/10

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.123+/-0.127 χ^2/NDF:6.9/9

Left: 0.049+/-0.089 χ^2/NDF: 26.7/20

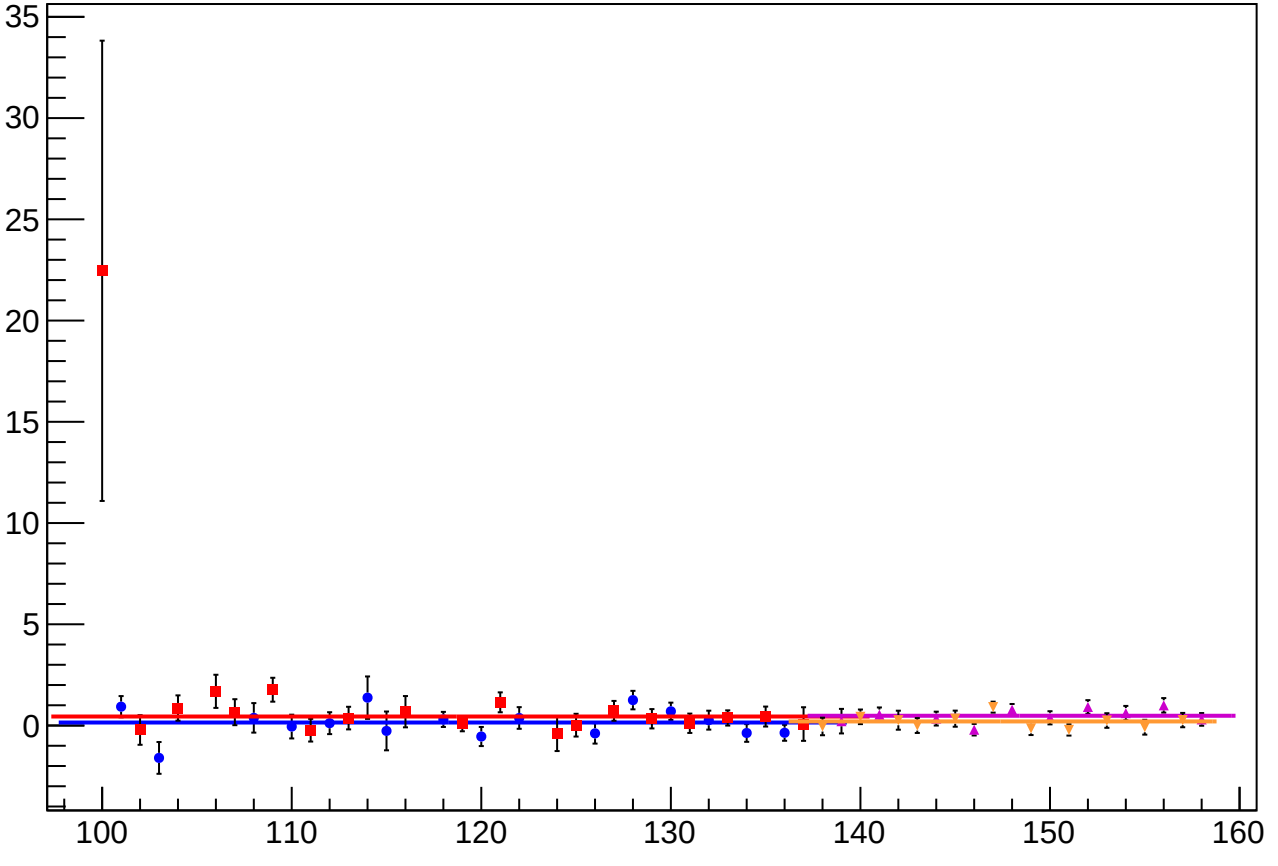
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.312+/-0.088 χ^2/NDF:54.5/25

Out: -0.319+/-0.087 χ^2/NDF:140.8/29

All: -0.315+/-0.062 χ^2/NDF: 195.4/55

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.201+/-0.105 χ^2/NDF:11.9/10

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.482+/-0.106 χ^2/NDF:11.6/9

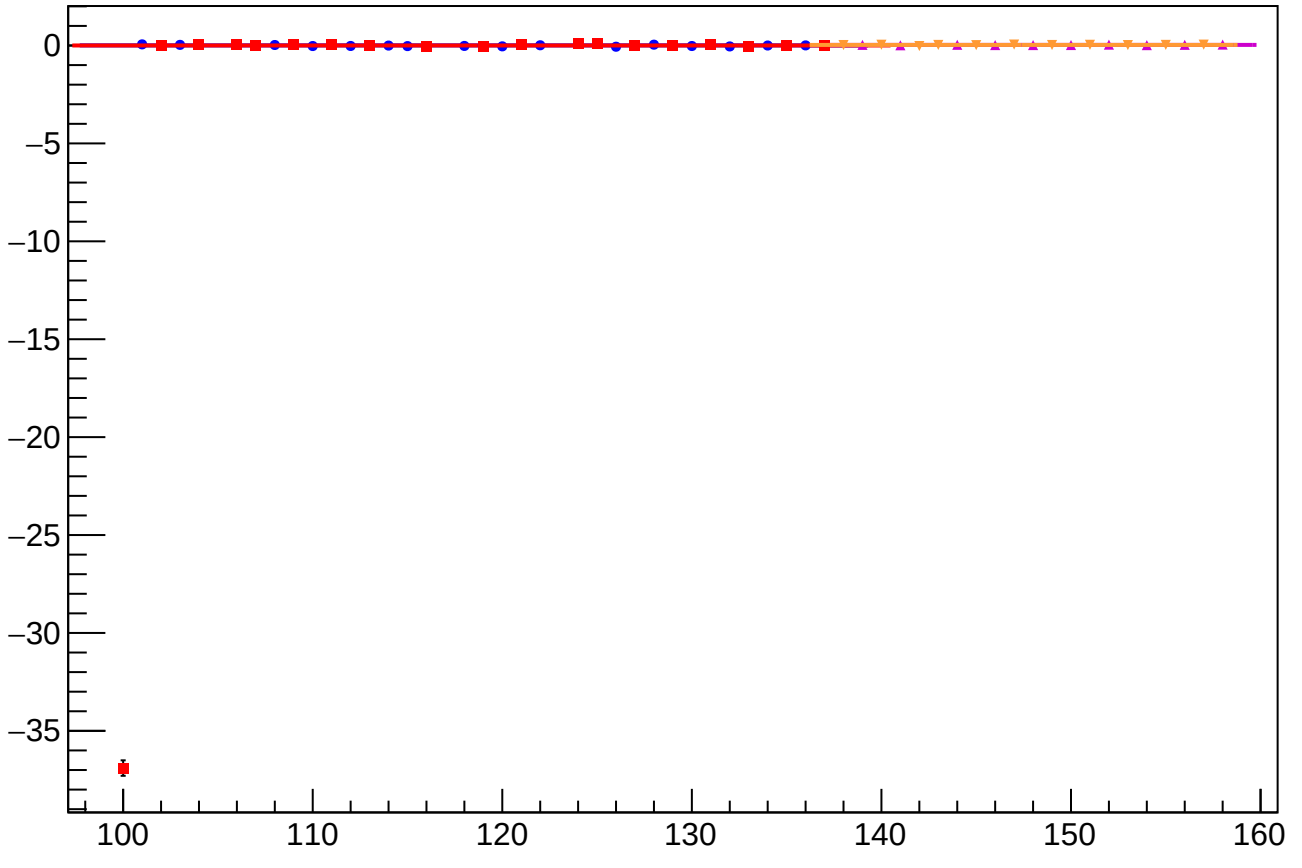
Left: 0.340+/-0.075 χ^2/NDF: 27.1/20

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.345+/-0.082 χ^2/NDF:38.9/25

Out: 0.300+/-0.081 χ^2/NDF:33.8/29

All: 0.322+/-0.058 χ^2/NDF: 72.9/55



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.030+/-0.005 χ^2/NDF:9.0/10

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.031+/-0.005 χ^2/NDF:5.0/9

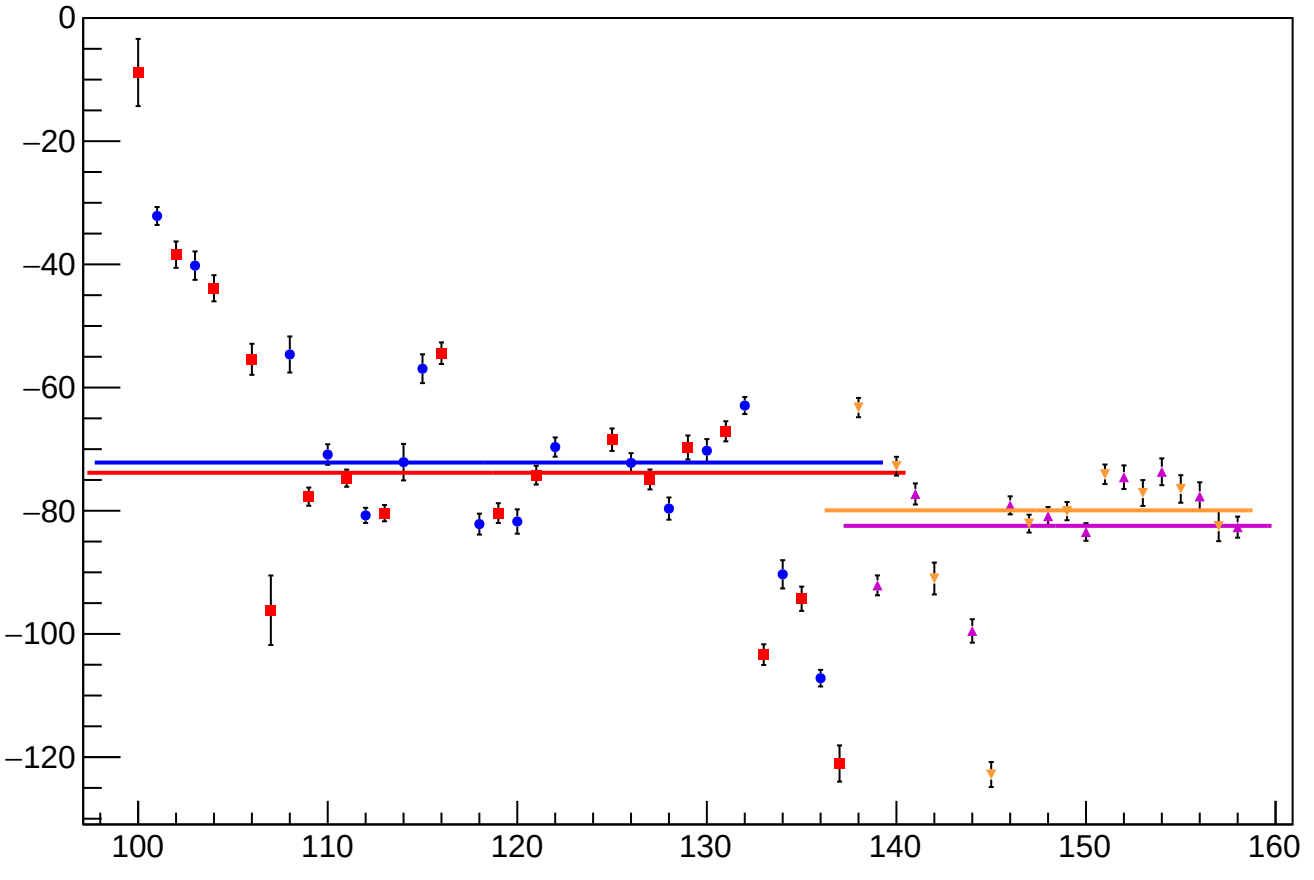
Left: 0.030+/-0.003 χ^2/NDF: 14.1/20

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.004 χ^2/NDF:30.5/25

Out: 0.021+/-0.004 χ^2/NDF:8771.8/29

All: 0.023+/-0.003 χ^2/NDF: 8802.4/55



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.937+/-0.563 χ^2/NDF:620.2/9

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -82.451+/-0.540 χ^2/NDF:169.7/9

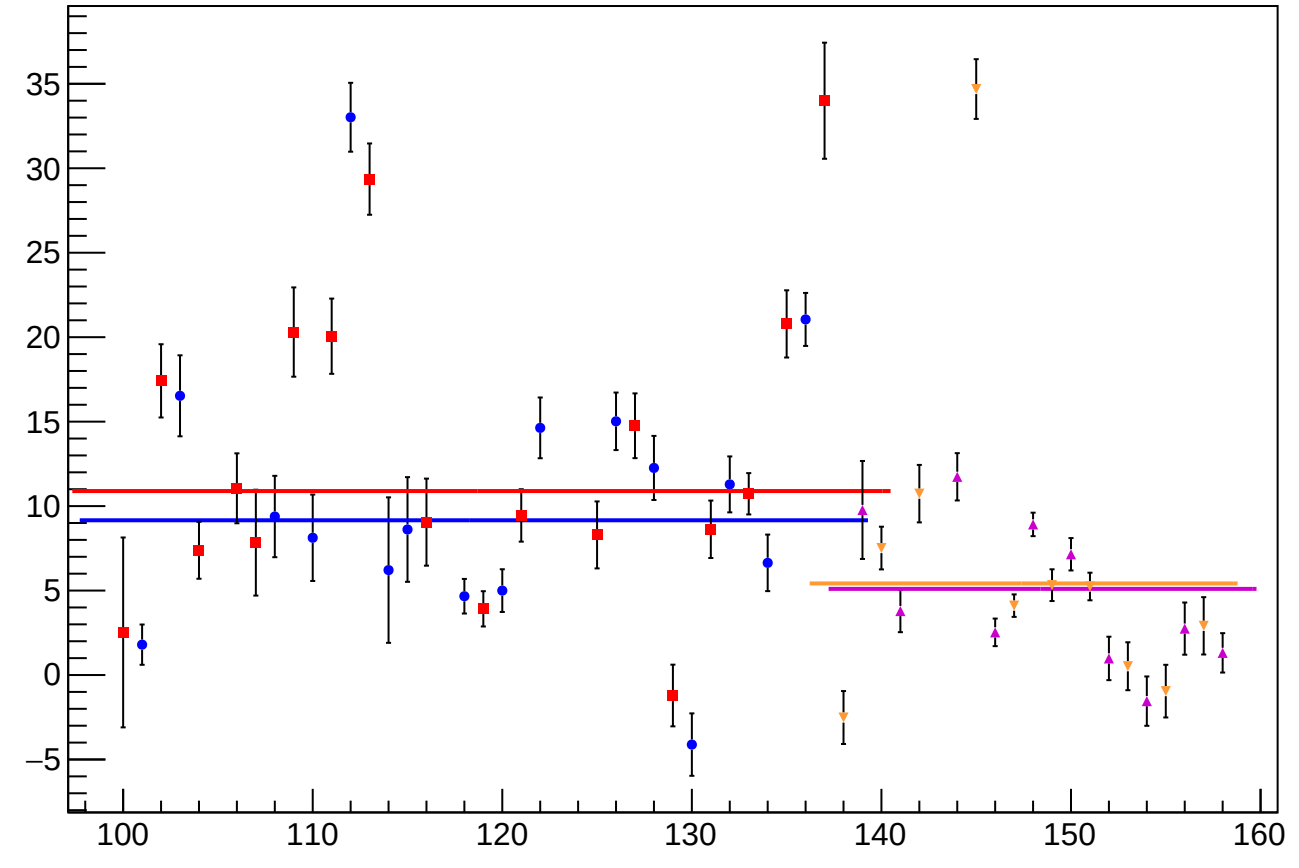
Left: -81.247+/-0.390 χ^2/NDF: 800.3/19

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -76.186+/-0.337 χ^2/NDF:2326.7/25

Out: -76.086+/-0.342 χ^2/NDF:2252.2/27

All: -76.137+/-0.240 χ^2/NDF: 4579.0/53



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.421+/-0.357 χ^2/NDF:347.1/9

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 5.100+/-0.350 χ^2/NDF:114.7/9

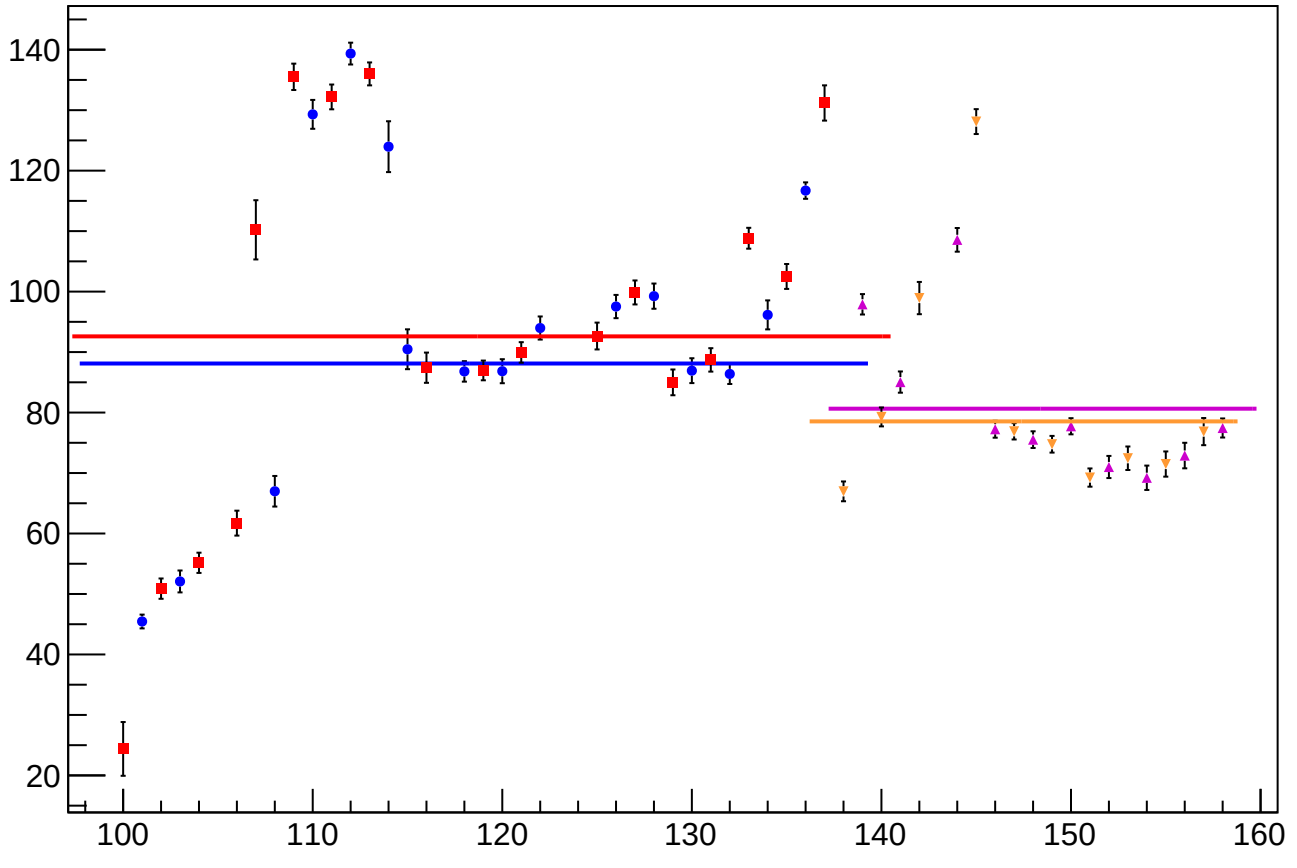
Left: 5.258+/-0.250 χ^2/NDF: 462.2/19

Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 6.741+/-0.270 χ^2/NDF:521.2/25

Out: 7.593+/-0.277 χ^2/NDF:730.5/27

All: 7.156+/-0.194 χ^2/NDF: 1256.5/53



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 78.539+/-0.545 χ^2/NDF:757.5/9

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 80.639+/-0.520 χ^2/NDF:416.0/9

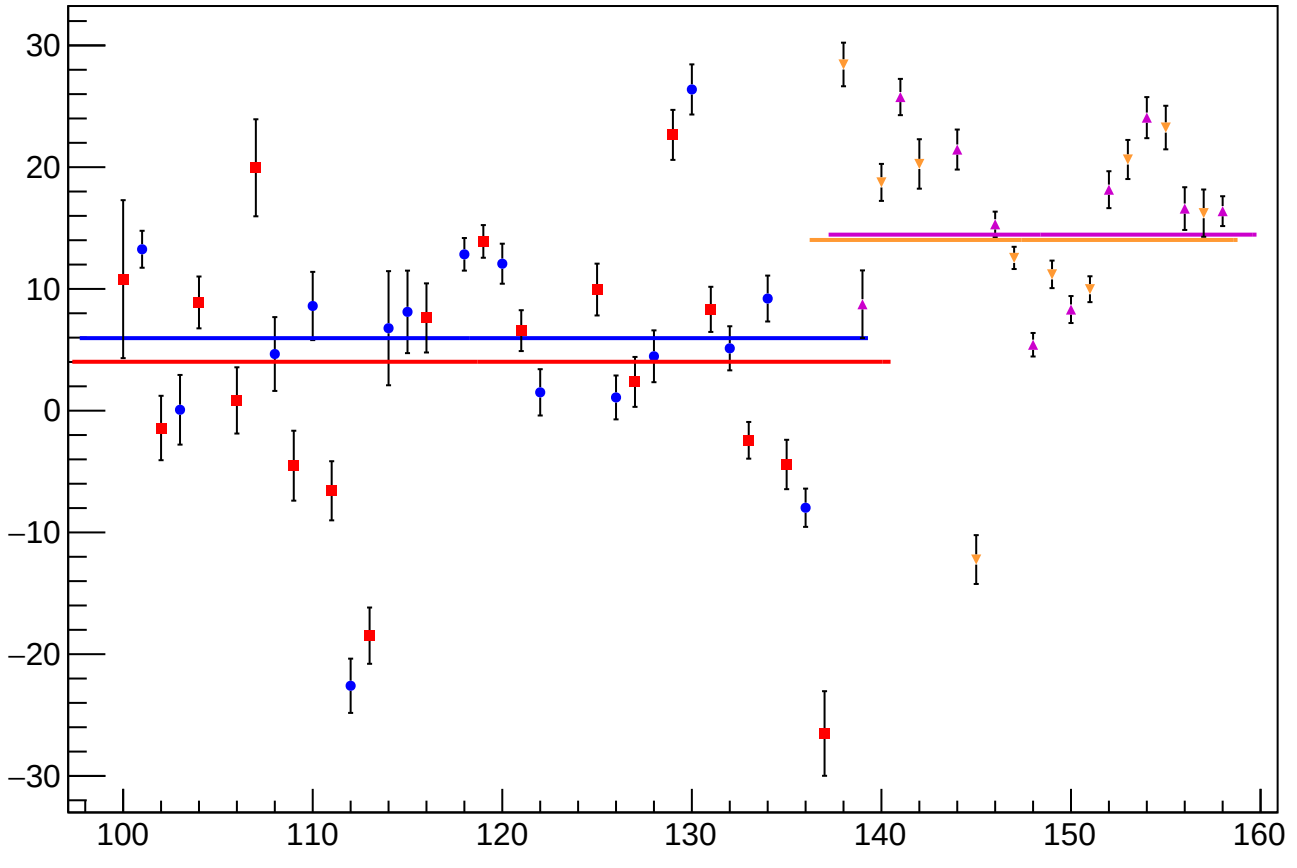
Left: 79.639+/-0.376 χ^2/NDF: 1181.2/19

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 84.759+/-0.348 χ^2/NDF:4091.7/25

Out: 86.410+/-0.362 χ^2/NDF:4341.1/27

All: 85.553+/-0.251 χ^2/NDF: 8443.5/53



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 14.022+/-0.444 χ^2/NDF:323.4/9

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 14.459+/-0.425 χ^2/NDF:241.3/9

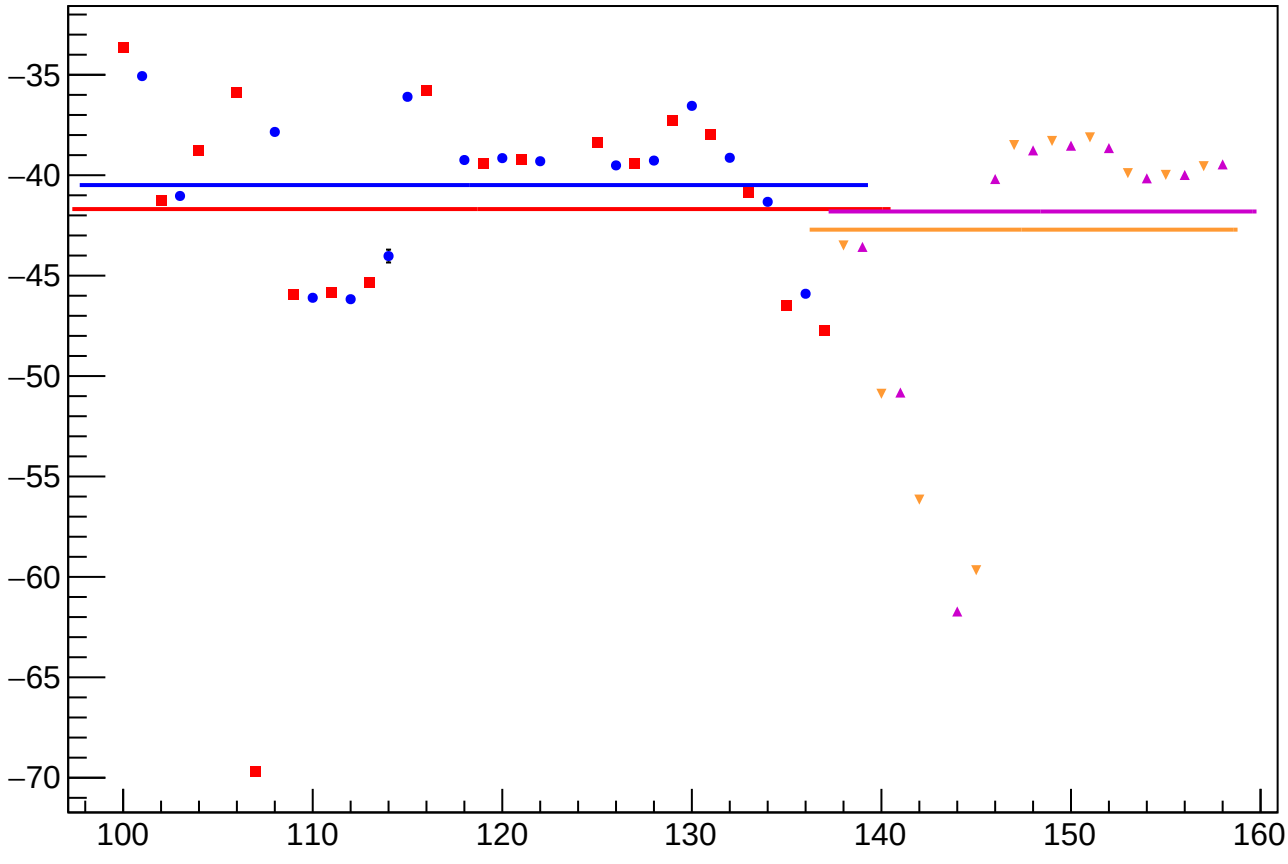
Left: 14.250+/-0.307 χ^2/NDF: 565.2/19

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 10.849+/-0.322 χ^2/NDF:838.0/25

Out: 9.704+/-0.335 χ^2/NDF:960.1/27

All: 10.298+/-0.232 χ^2/NDF: 1804.2/53



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -42.711+/-0.022 χ^2/NDF:94260.5/9

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -41.806+/-0.020 χ^2/NDF:80635.7/9

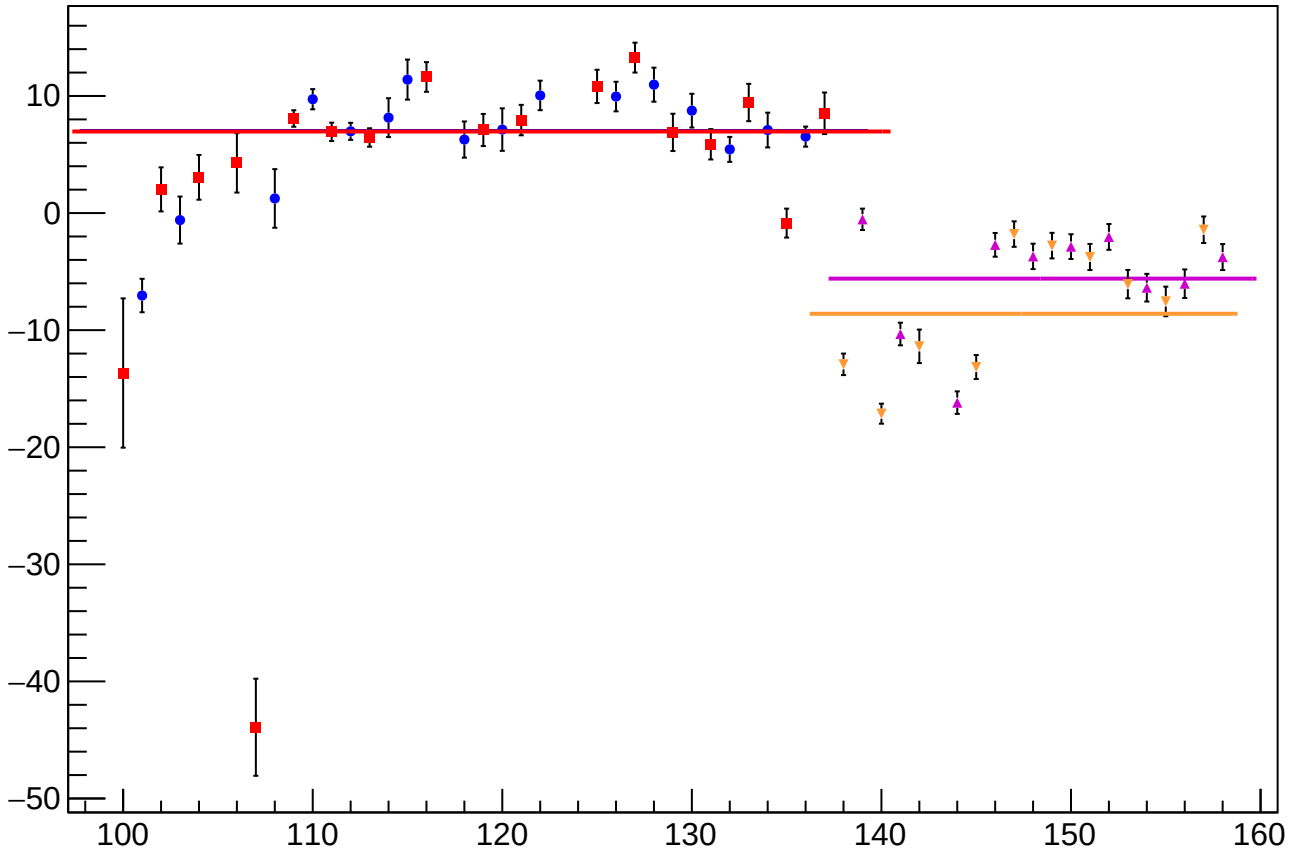
Left: -42.221+/-0.015 χ^2/NDF: 175846.9/19

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.373+/-0.016 χ^2/NDF:100207.7/25

Out: -42.349+/-0.017 χ^2/NDF:131894.0/27

All: -41.828+/-0.012 χ^2/NDF: 233786.1/53



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.601+/-0.342 χ^2/NDF:277.0/9

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -5.599+/-0.332 χ^2/NDF:207.5/9

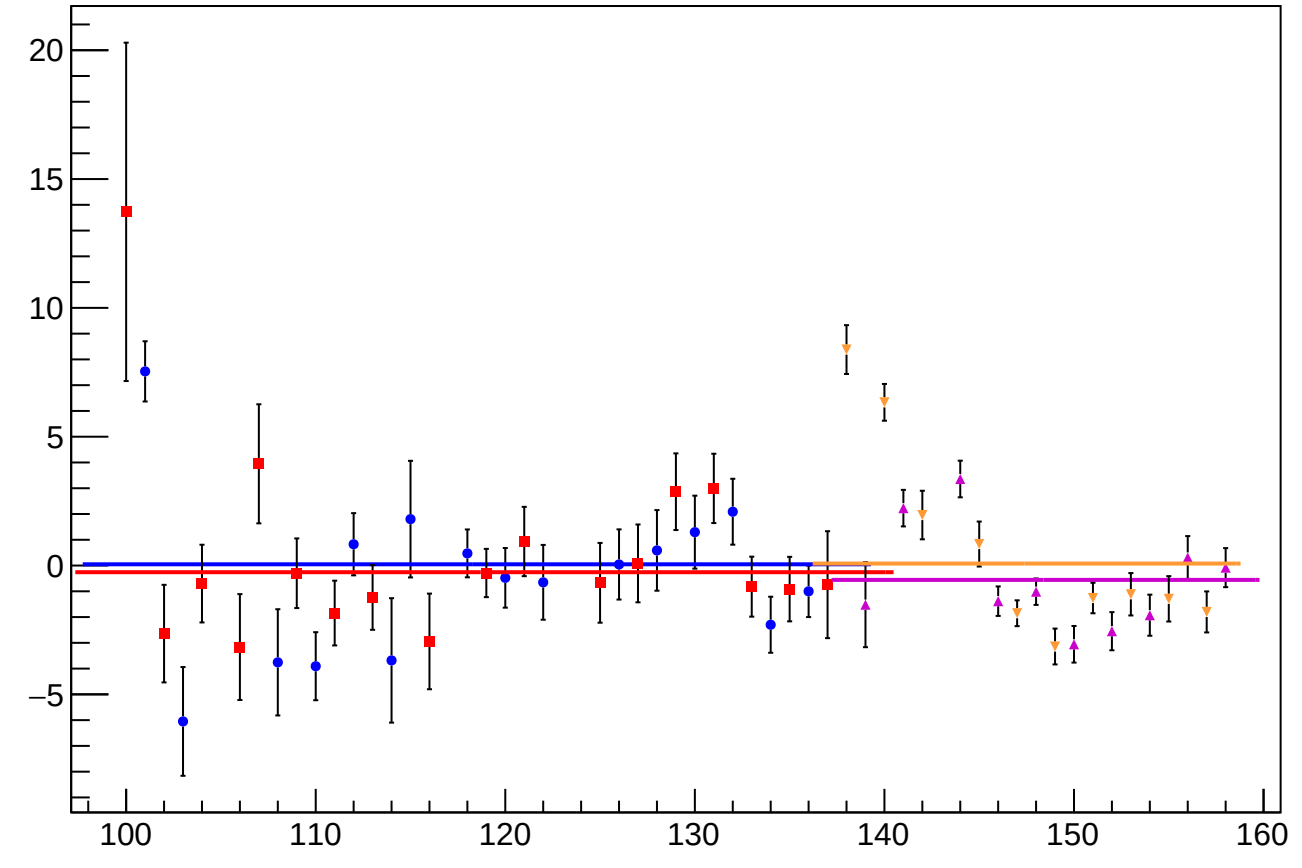
Left: -7.055+/-0.238 χ^2/NDF: 524.3/19

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 1.147+/-0.226 χ^2/NDF:1137.0/25

Out: 0.236+/-0.225 χ^2/NDF:1721.6/27

All: 0.688+/-0.159 χ^2/NDF: 2866.7/53



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.077+/-0.231 χ^2/NDF:209.8/9

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: -0.557+/-0.225 χ^2/NDF:73.0/9

Left: -0.248+/-0.161 χ^2/NDF: 286.6/19

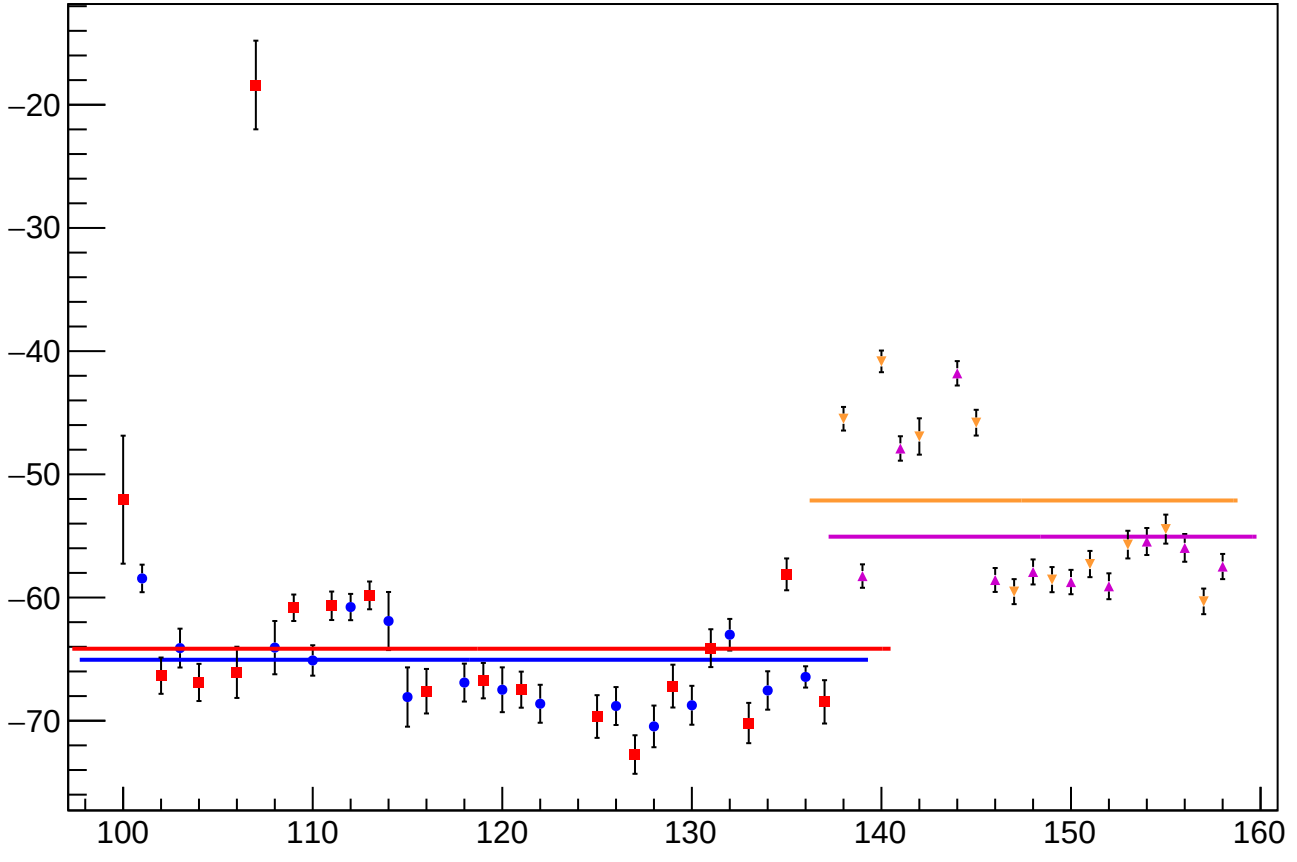
Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.366+/-0.186 χ^2/NDF:150.3/25

Out: -0.027+/-0.192 χ^2/NDF:238.0/27

All: -0.202+/-0.134 χ^2/NDF: 389.8/53

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.122+/-0.333 χ^2/NDF:454.2/9

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -55.060+/-0.321 χ^2/NDF:298.7/9

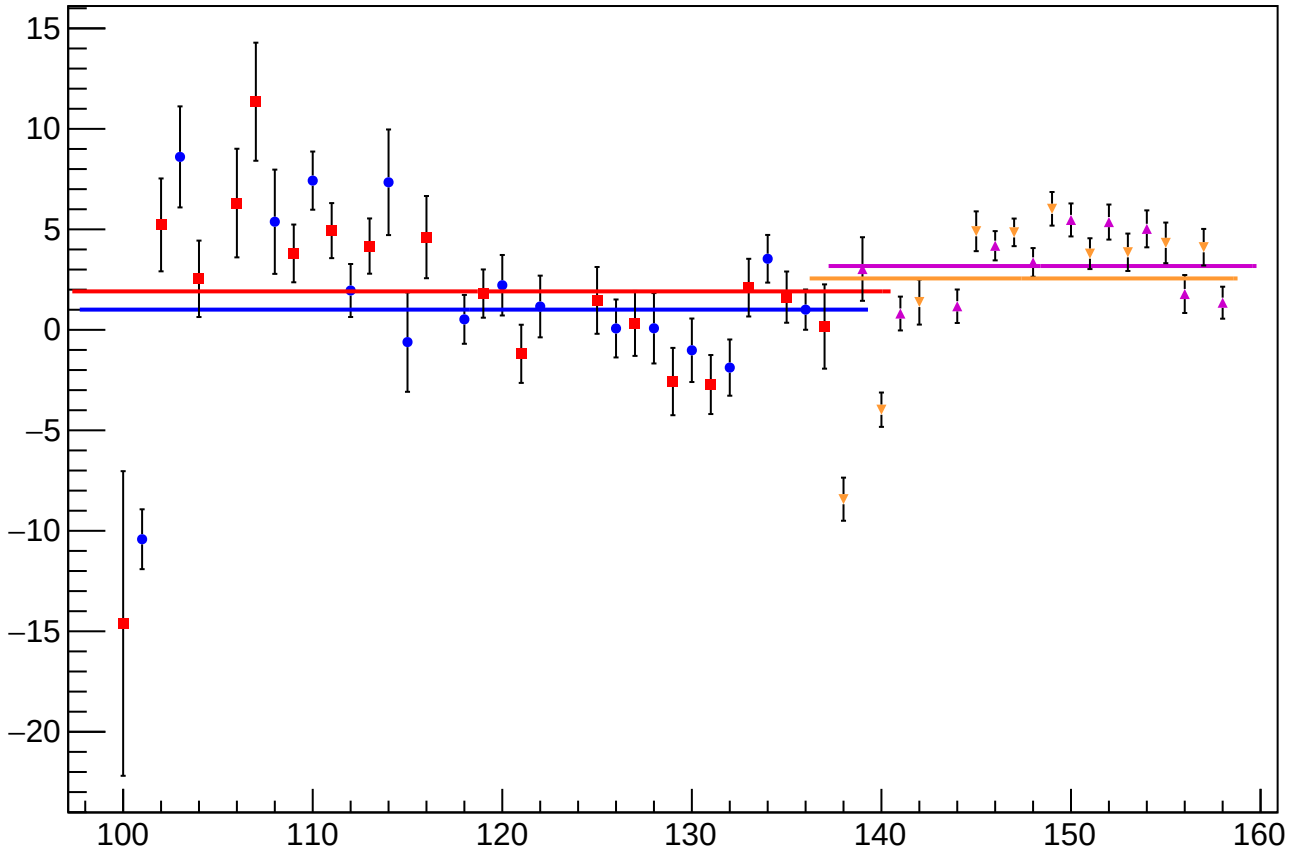
Left: -53.643+/-0.231 χ^2/NDF: 793.2/19

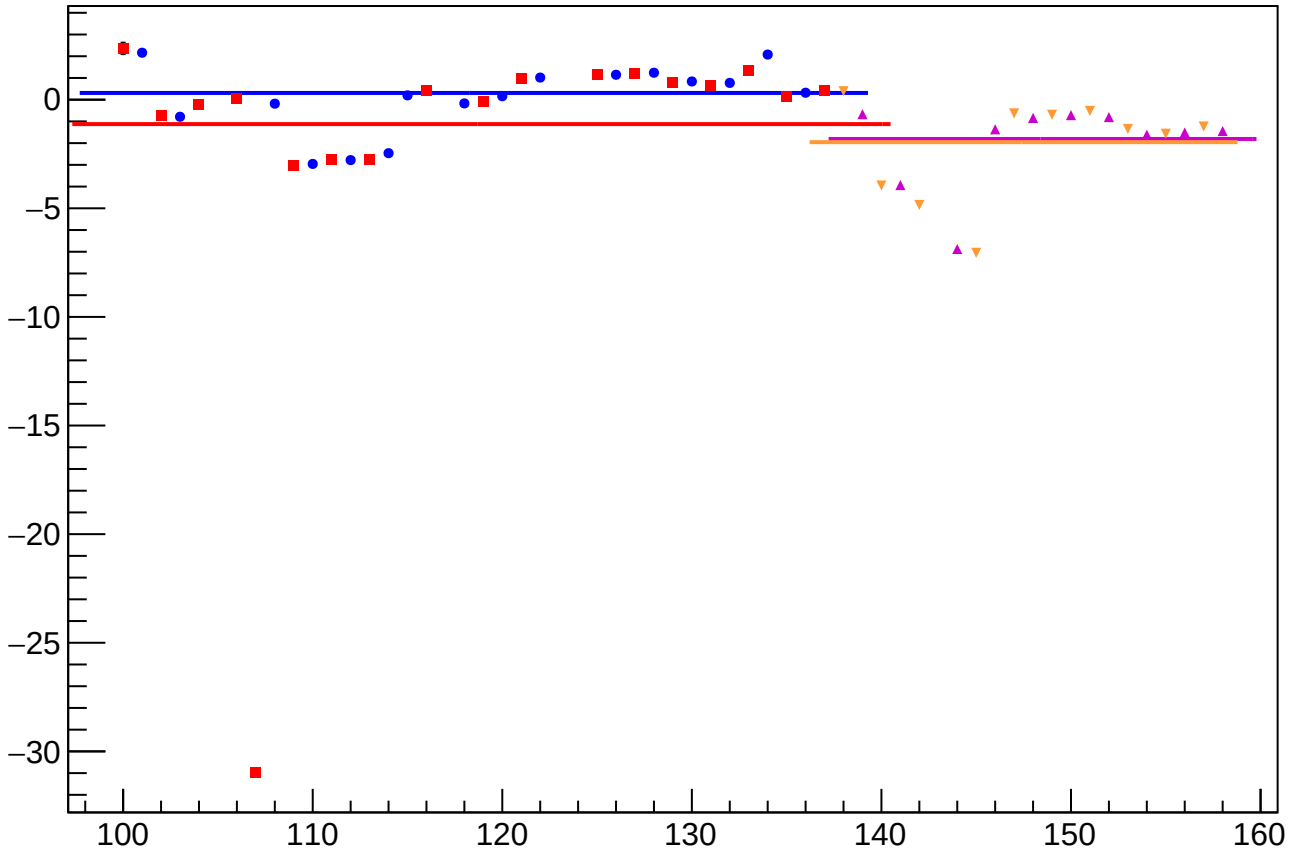
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -59.576+/-0.238 χ^2/NDF:828.1/25

Out: -57.666+/-0.245 χ^2/NDF:1359.0/27

All: -58.647+/-0.171 χ^2/NDF: 2218.3/53


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 2.558+/-0.281 χ²/NDF:208.8/9
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 3.175+/-0.269 χ²/NDF:41.2/9
Left: 2.880+/-0.195 χ²/NDF: 252.6/19
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 2.439+/-0.219 χ²/NDF:172.5/25
Out: 2.337+/-0.228 χ²/NDF:265.1/27
All: 2.390+/-0.158 χ²/NDF: 437.7/53



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.955+/-0.013 χ^2/NDF:27723.6/9

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.808+/-0.012 χ^2/NDF:19296.0/9

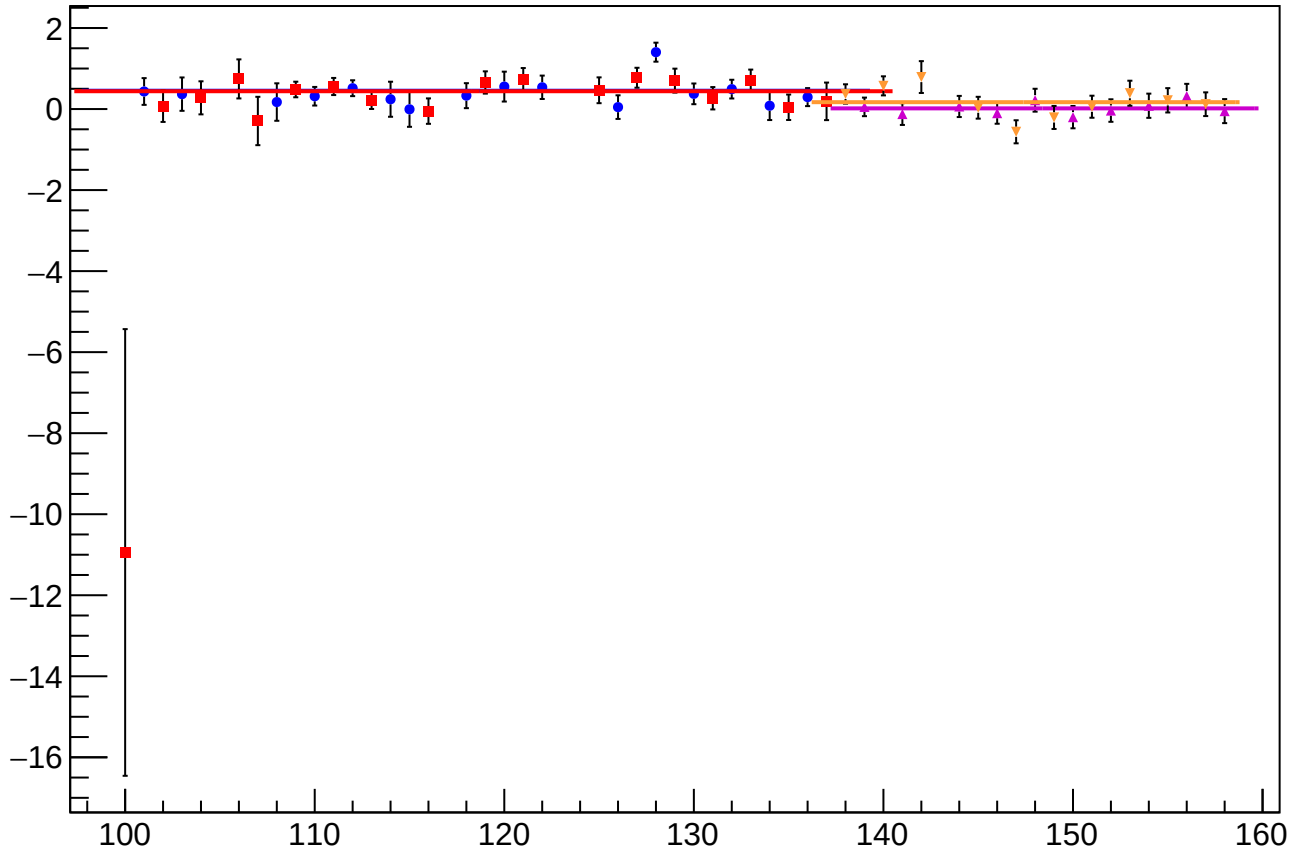
Left: -1.877+/-0.009 χ^2/NDF: 47088.1/19

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.279+/-0.011 χ^2/NDF:31734.1/25

Out: -1.746+/-0.011 χ^2/NDF:75119.0/27

All: -1.499+/-0.008 χ^2/NDF: 107779.6/53



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.170+/-0.089 χ^2/NDF:15.5/9

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.016+/-0.086 χ^2/NDF:2.8/9

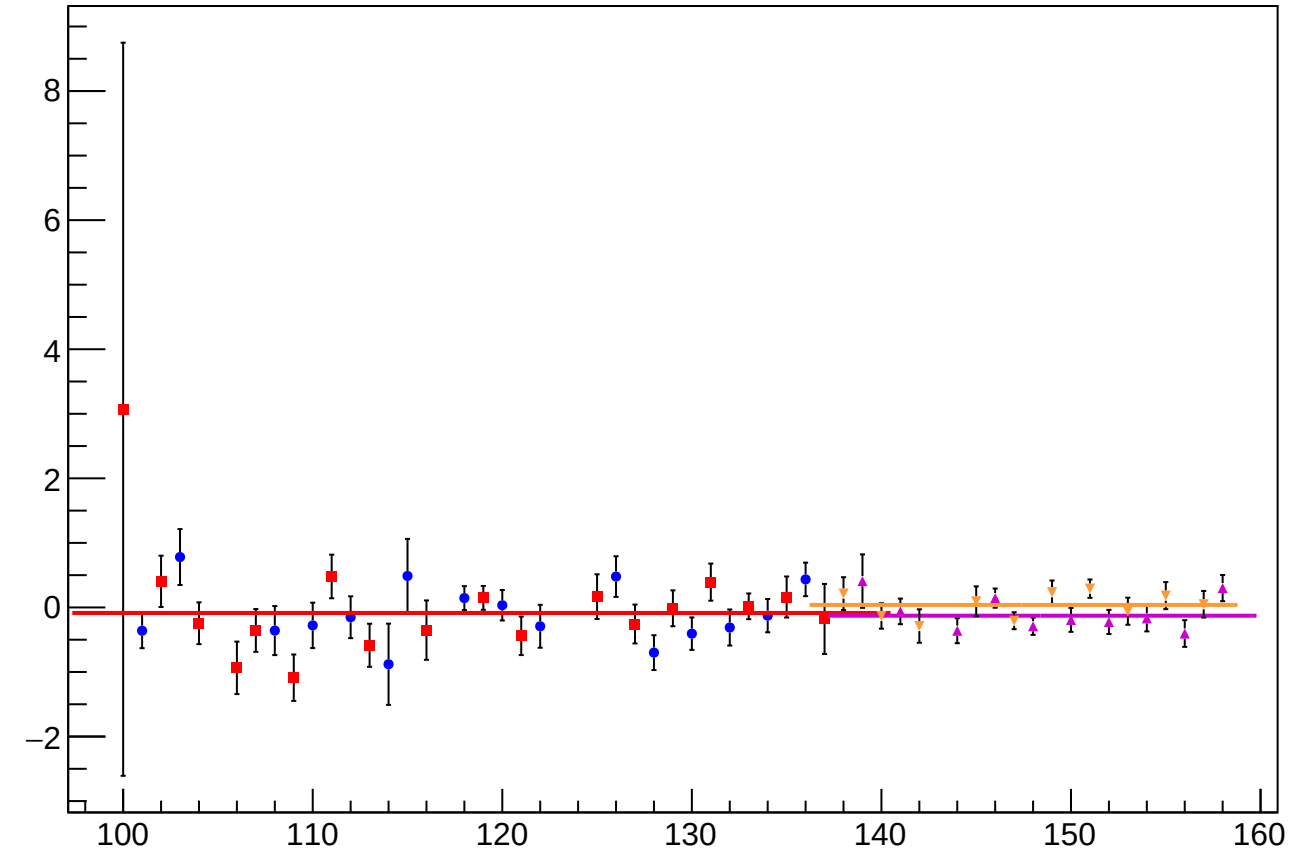
Left: 0.091+/-0.062 χ^2/NDF: 19.8/19

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.276+/-0.055 χ^2/NDF:40.6/25

Out: 0.337+/-0.055 χ^2/NDF:39.8/27

All: 0.306+/-0.039 χ^2/NDF: 81.0/53



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.039+/-0.060 χ^2/NDF:11.4/9

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.128+/-0.059 χ^2/NDF:14.8/9

Left: -0.046+/-0.042 χ^2/NDF: 30.1/19

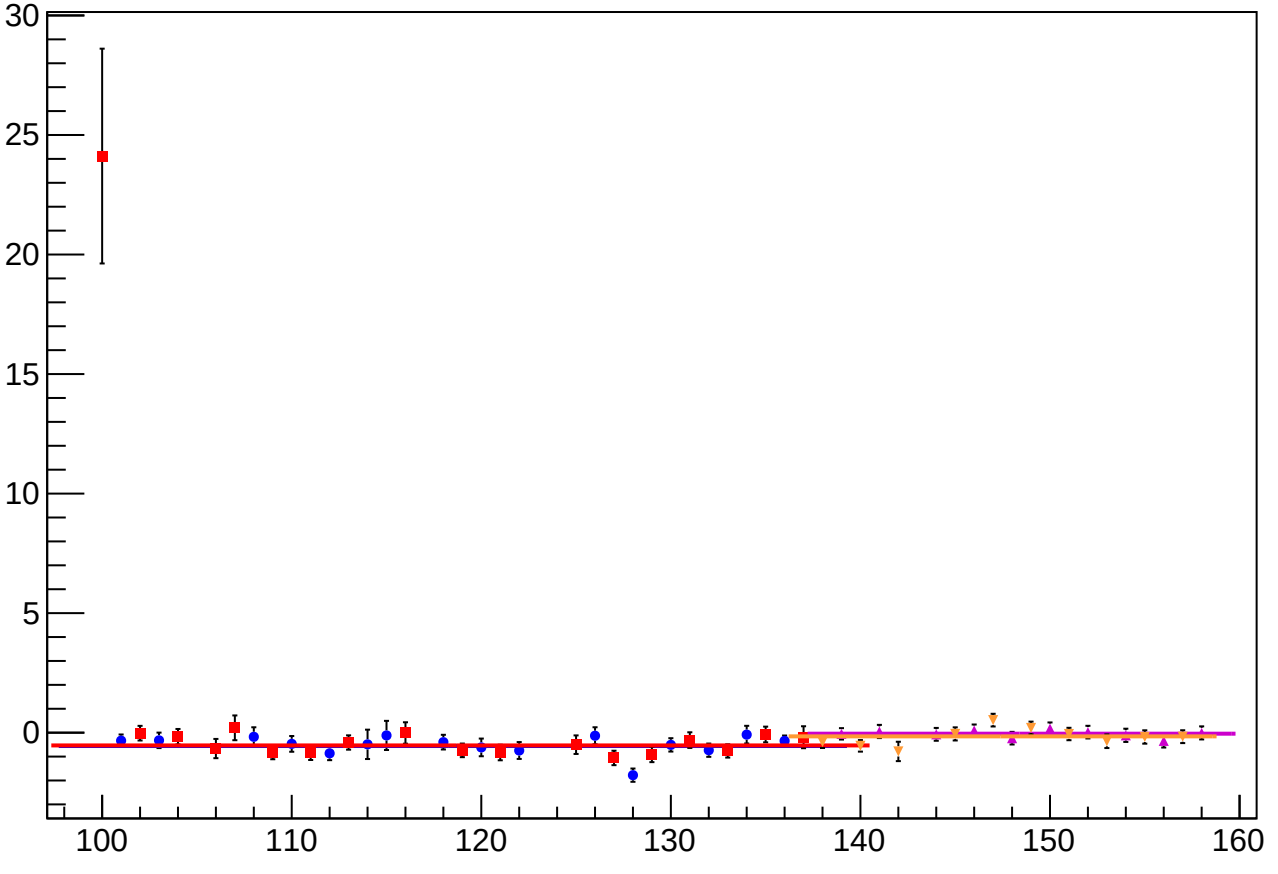
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.112+/-0.046 χ^2/NDF:40.3/25

Out: -0.010+/-0.046 χ^2/NDF:41.0/27

All: -0.061+/-0.033 χ^2/NDF: 83.7/53

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: -0.154+/-0.086 χ^2/NDF:15.1/9

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.043+/-0.084 χ^2/NDF:2.9/9

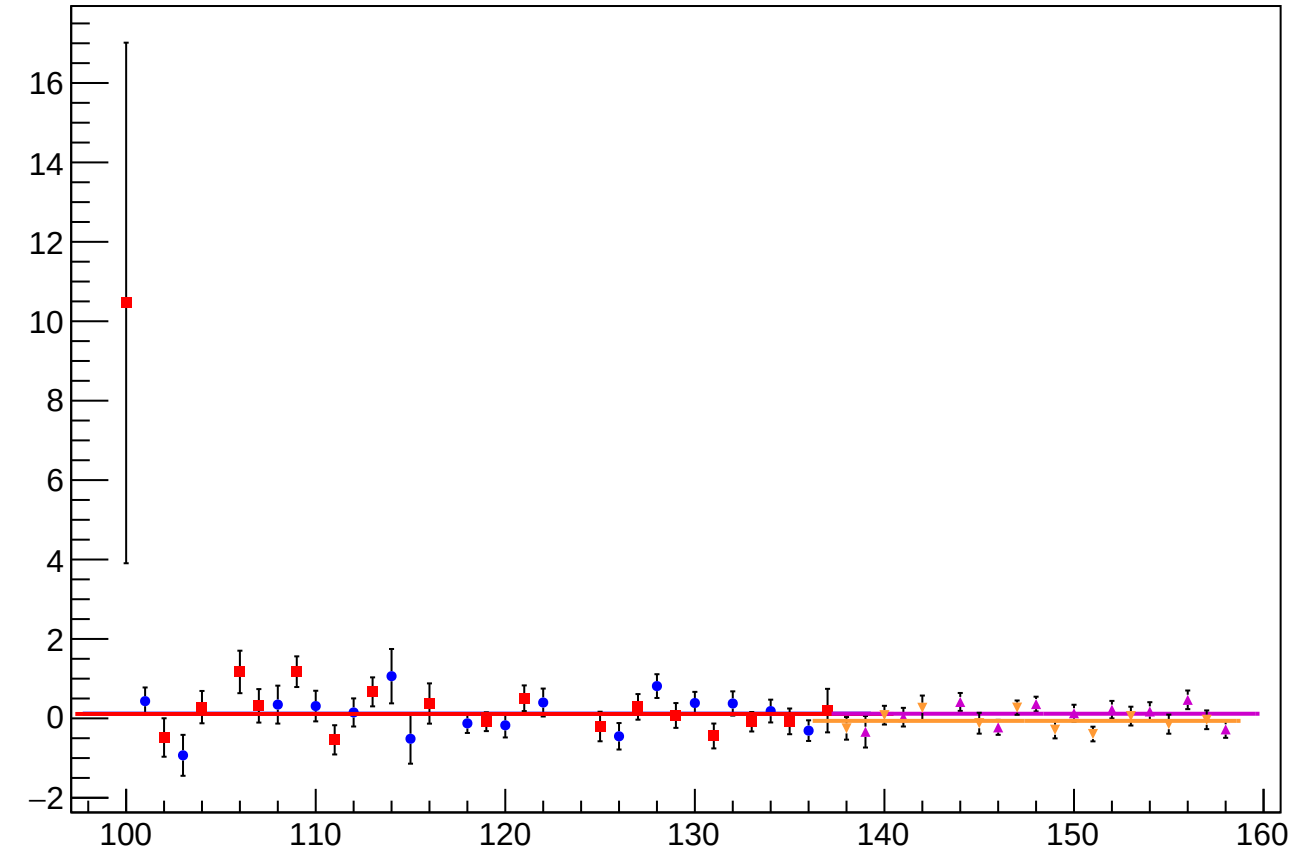
Left: -0.097+/-0.060 χ^2/NDF: 18.9/19

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.313+/-0.058 χ^2/NDF:51.2/25

Out: -0.357+/-0.059 χ^2/NDF:74.6/27

All: -0.334+/-0.041 χ^2/NDF: 126.1/53



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.063+/-0.073 χ^2/NDF:10.1/9

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.116+/-0.070 χ^2/NDF:14.1/9

Left: 0.030+/-0.051 χ^2/NDF: 27.4/19

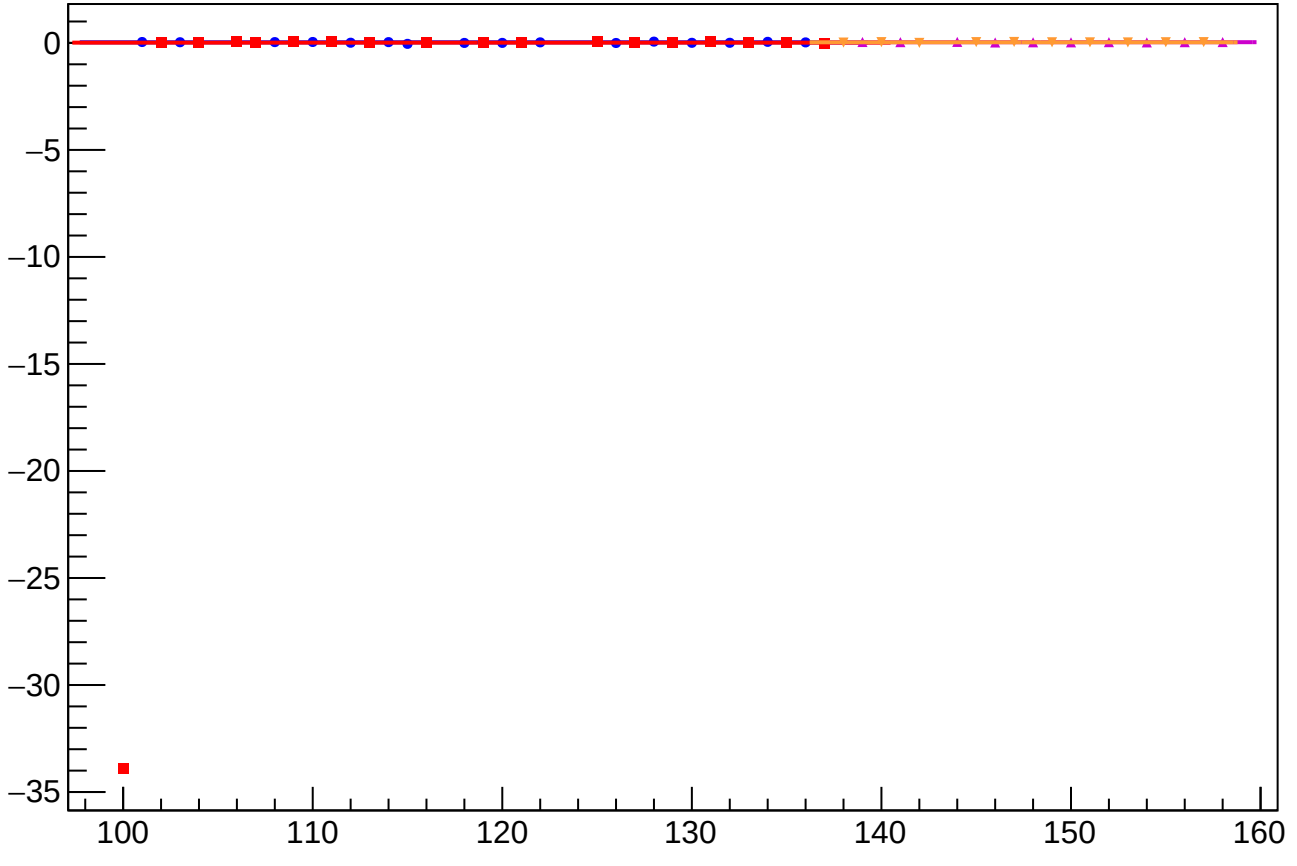
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.117+/-0.054 χ^2/NDF:37.8/25

Out: 0.011+/-0.055 χ^2/NDF:41.5/27

All: 0.065+/-0.039 χ^2/NDF: 81.2/53

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.029+/-0.003 χ^2/NDF:8.6/9

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.034+/-0.003 χ^2/NDF:6.0/9

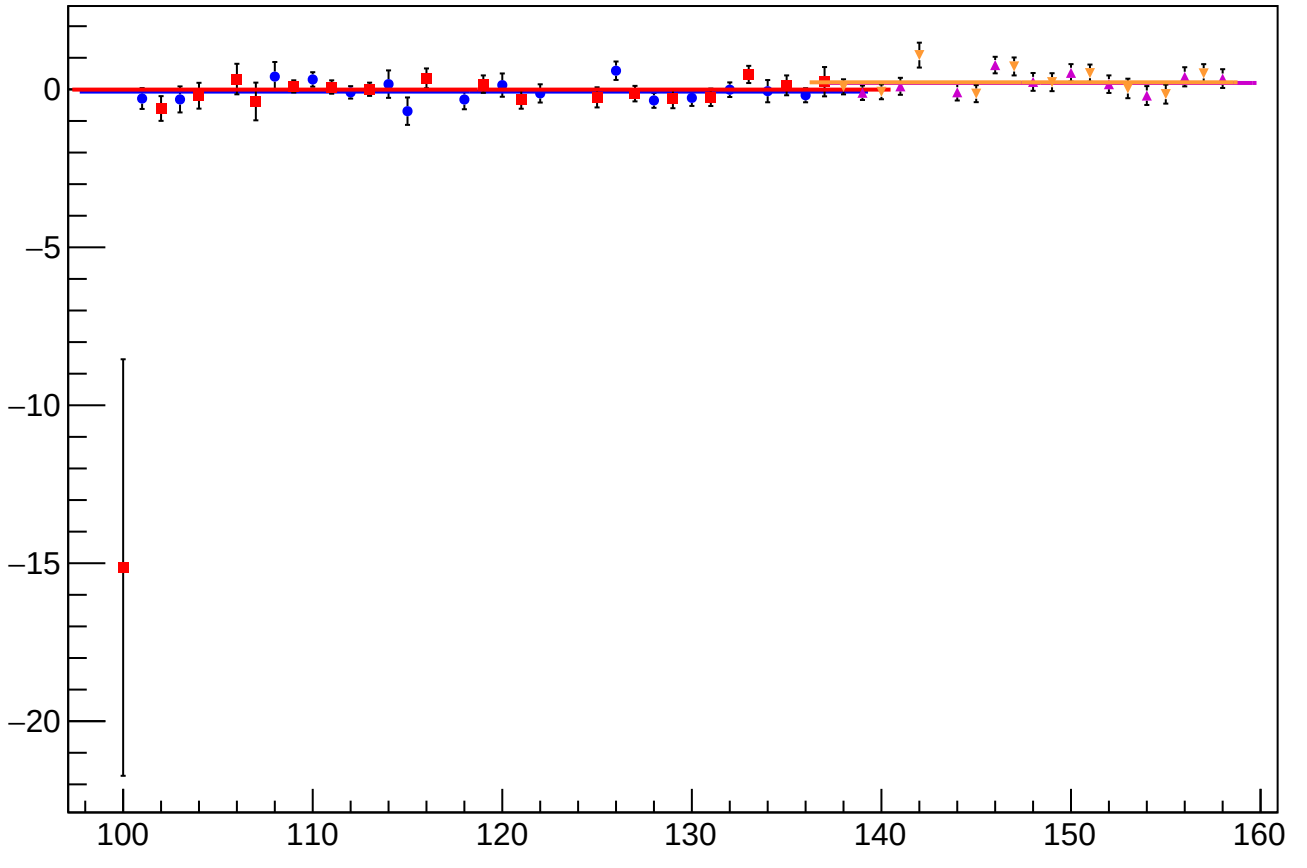
Left: 0.031+/-0.002 χ^2/NDF: 15.7/19

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.032+/-0.003 χ^2/NDF:21.8/25

Out: 0.023+/-0.003 χ^2/NDF:22278.7/27

All: 0.028+/-0.002 χ^2/NDF: 22305.4/53



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.223+/-0.089 χ^2/NDF:15.7/9

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.203+/-0.086 χ^2/NDF:11.7/9

Left: 0.213+/-0.062 χ^2/NDF: 27.4/19

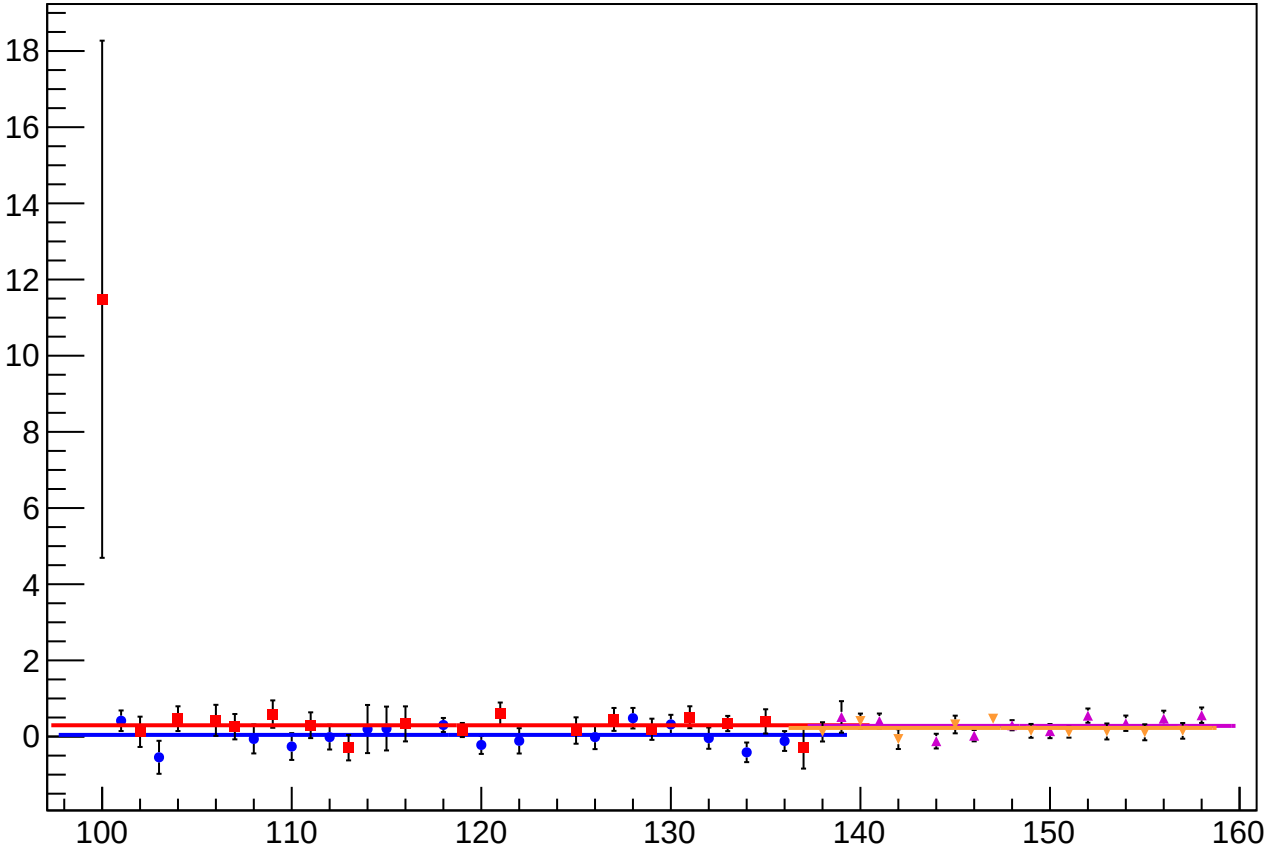
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.040+/-0.055 χ^2/NDF:33.2/25

Out: 0.081+/-0.055 χ^2/NDF:38.0/27

All: 0.061+/-0.039 χ^2/NDF: 71.5/53

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.226+/-0.060 χ^2/NDF:7.3/9

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.280+/-0.059 χ^2/NDF:13.5/9

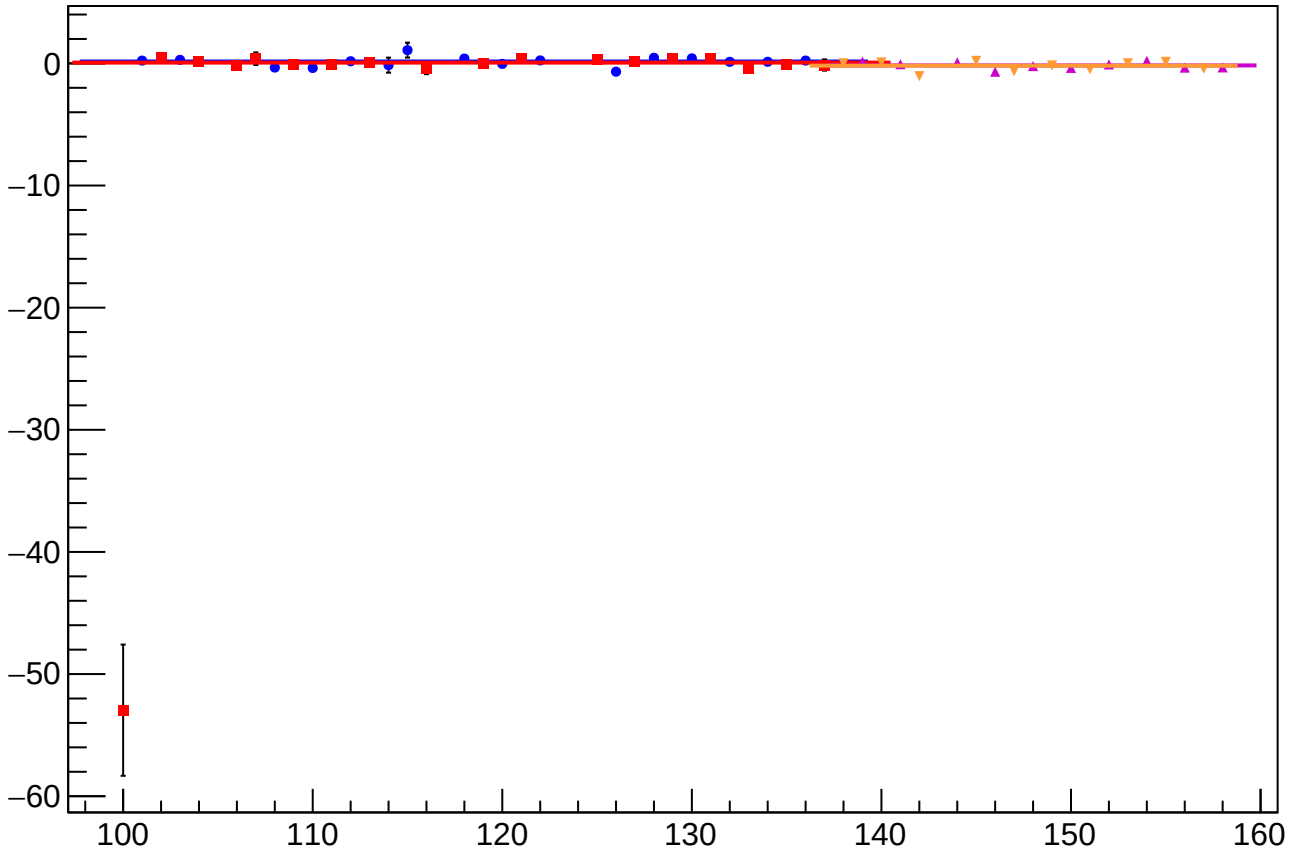
Left: 0.253+/-0.042 χ^2/NDF: 21.2/19

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.187+/-0.046 χ^2/NDF:35.6/25

Out: 0.254+/-0.046 χ^2/NDF:18.8/27

All: 0.220+/-0.033 χ^2/NDF: 55.4/53



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.187+/-0.086 χ^2/NDF:15.1/9

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.167+/-0.084 χ^2/NDF:10.2/9

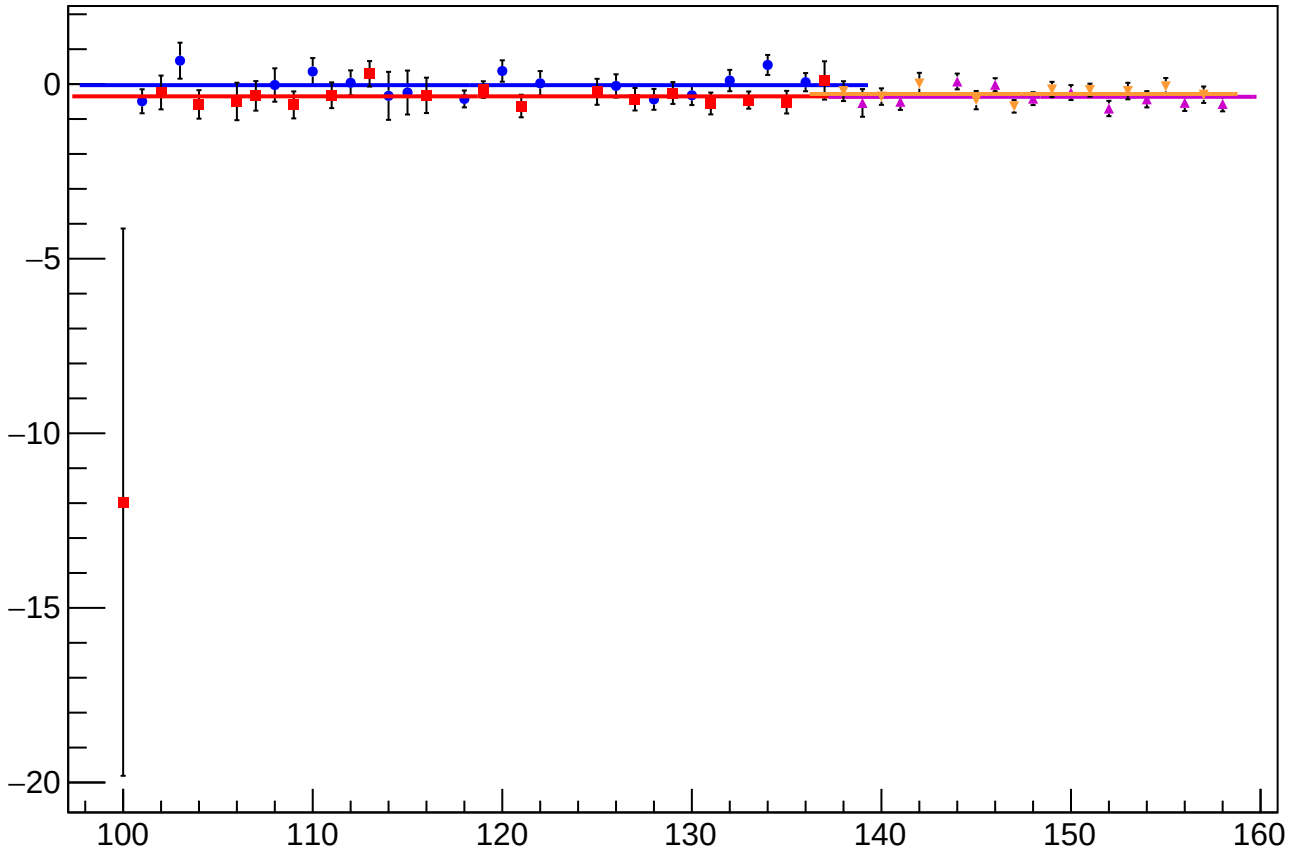
Left: -0.177+/-0.060 χ^2/NDF: 25.4/19

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.001+/-0.058 χ^2/NDF:33.5/25

Out: -0.052+/-0.059 χ^2/NDF:129.0/27

All: -0.025+/-0.041 χ^2/NDF: 162.9/53



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.282+/-0.073 χ^2/NDF:7.1/9

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.364+/-0.070 χ^2/NDF:11.9/9

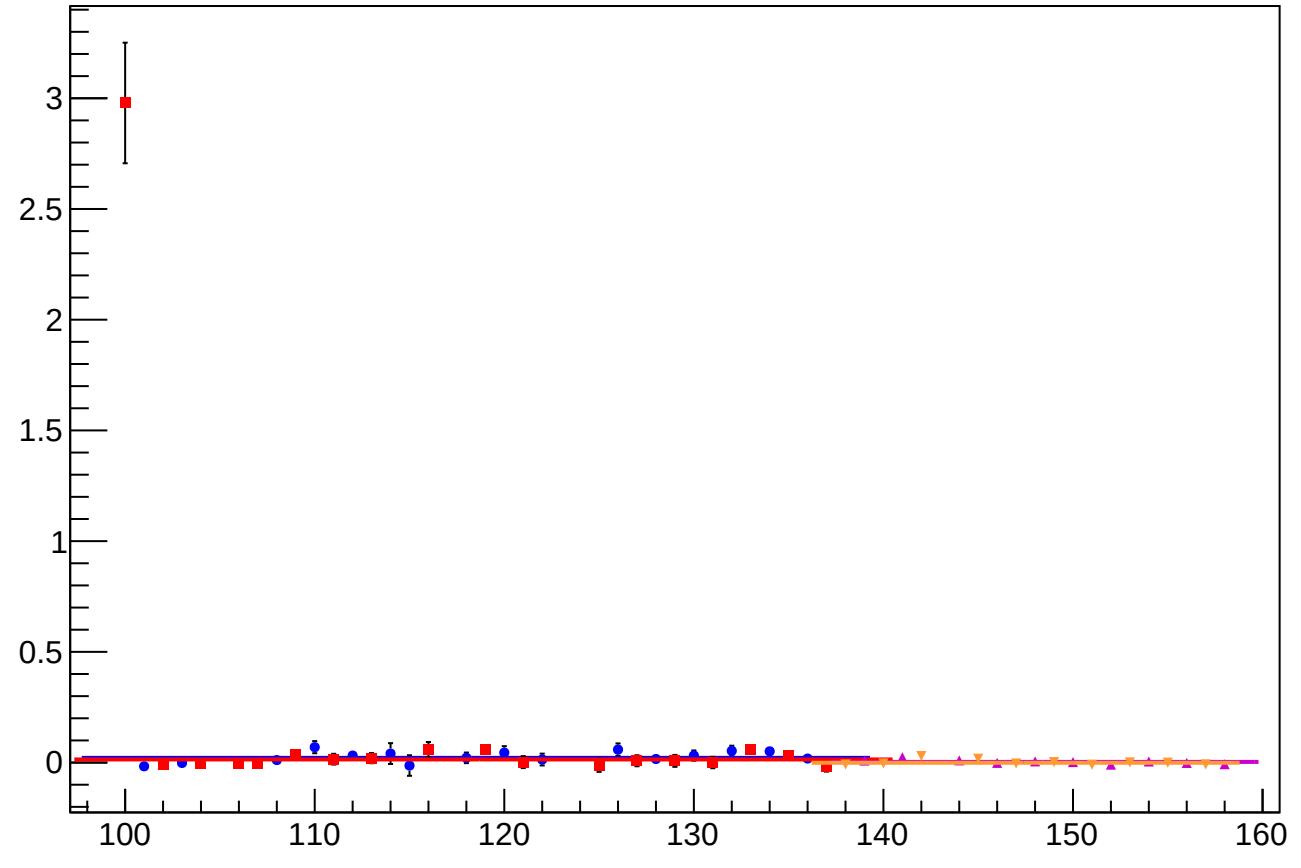
Left: -0.324+/-0.051 χ^2/NDF: 19.7/19

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.226+/-0.054 χ^2/NDF:38.0/25

Out: -0.311+/-0.055 χ^2/NDF:16.9/27

All: -0.268+/-0.039 χ^2/NDF: 56.1/53



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:8.6/9

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.003+/-0.003 χ^2/NDF:7.9/9

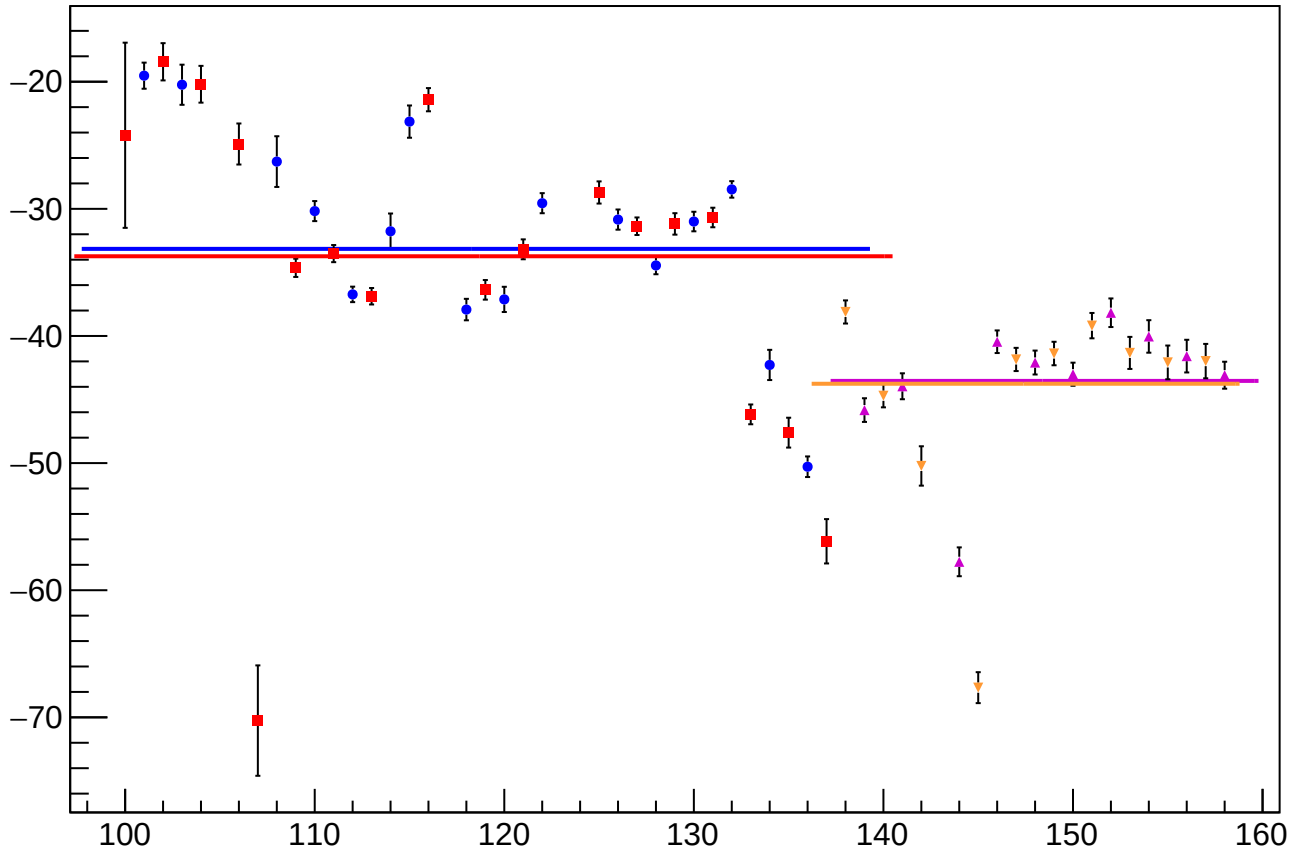
Left: 0.001+/-0.002 χ^2/NDF: 17.2/19

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.008+/-0.003 χ^2/NDF:40.5/25

Out: 0.004+/-0.003 χ^2/NDF:155.9/27

All: 0.006+/-0.002 χ^2/NDF: 197.9/53



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.759+/-0.340 χ^2/NDF:481.7/9

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -43.535+/-0.326 χ^2/NDF:211.1/9

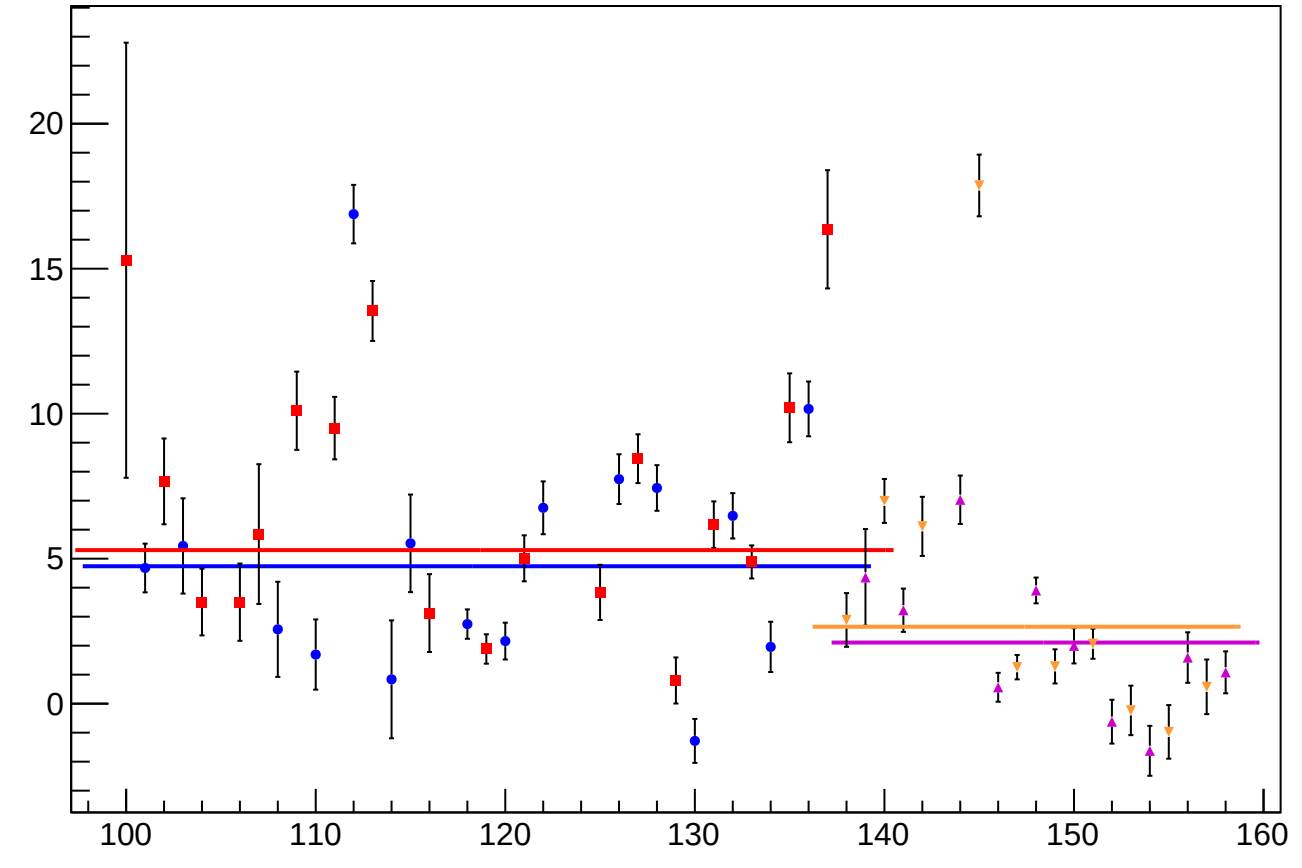
Left: -43.642+/-0.236 χ^2/NDF: 693.0/19

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.354+/-0.181 χ^2/NDF:1925.9/25

Out: -36.587+/-0.182 χ^2/NDF:2250.7/27

All: -36.470+/-0.128 χ^2/NDF: 4177.4/53



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.653+/-0.220 χ^2/NDF:298.2/9

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 2.108+/-0.215 χ^2/NDF:99.0/9

Left: 2.374+/-0.154 χ^2/NDF: 400.4/19

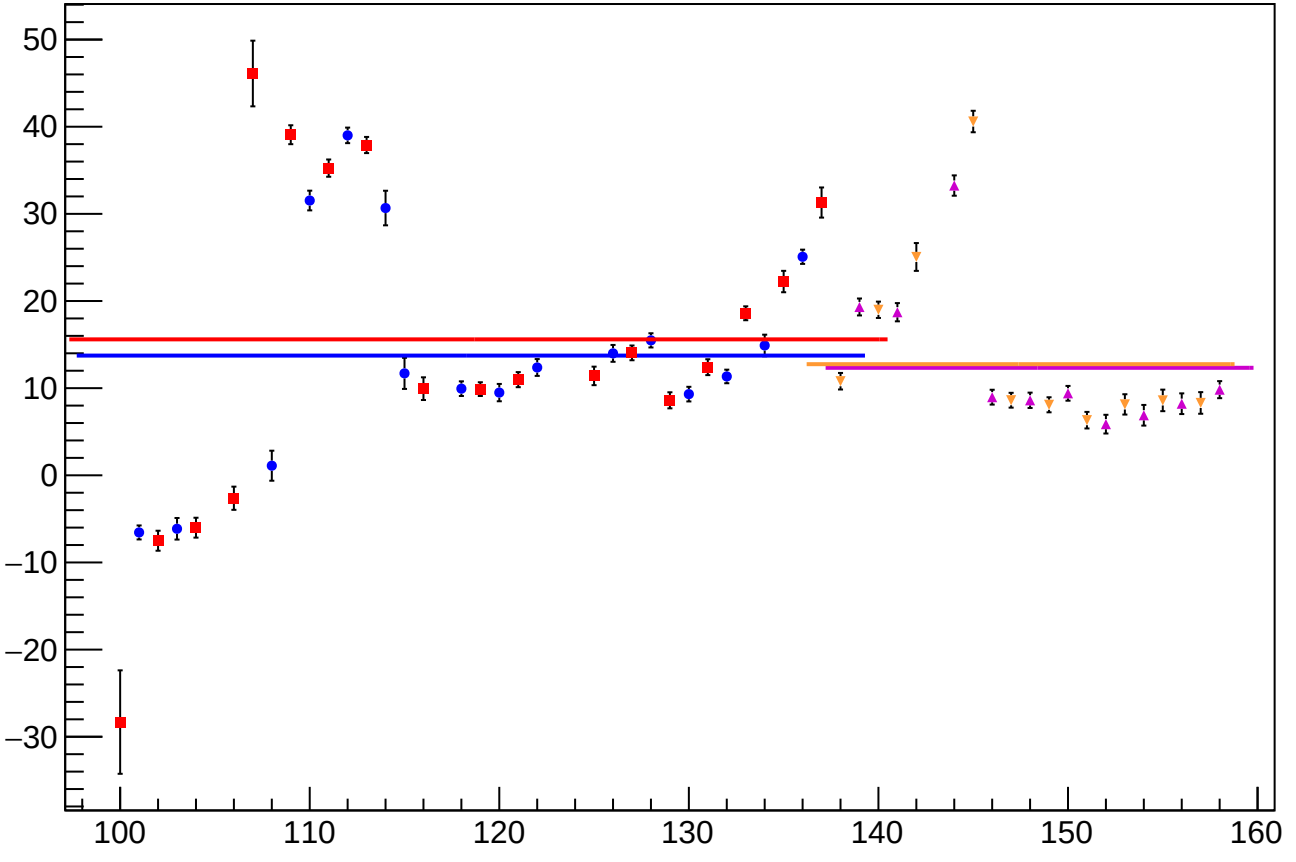
Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.395+/-0.153 χ^2/NDF:502.2/25

Out: 3.953+/-0.157 χ^2/NDF:614.3/27

All: 3.668+/-0.110 χ^2/NDF: 1123.0/53

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 12.752+/-0.330 χ^2/NDF:756.9/9

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 12.336+/-0.315 χ^2/NDF:531.5/9

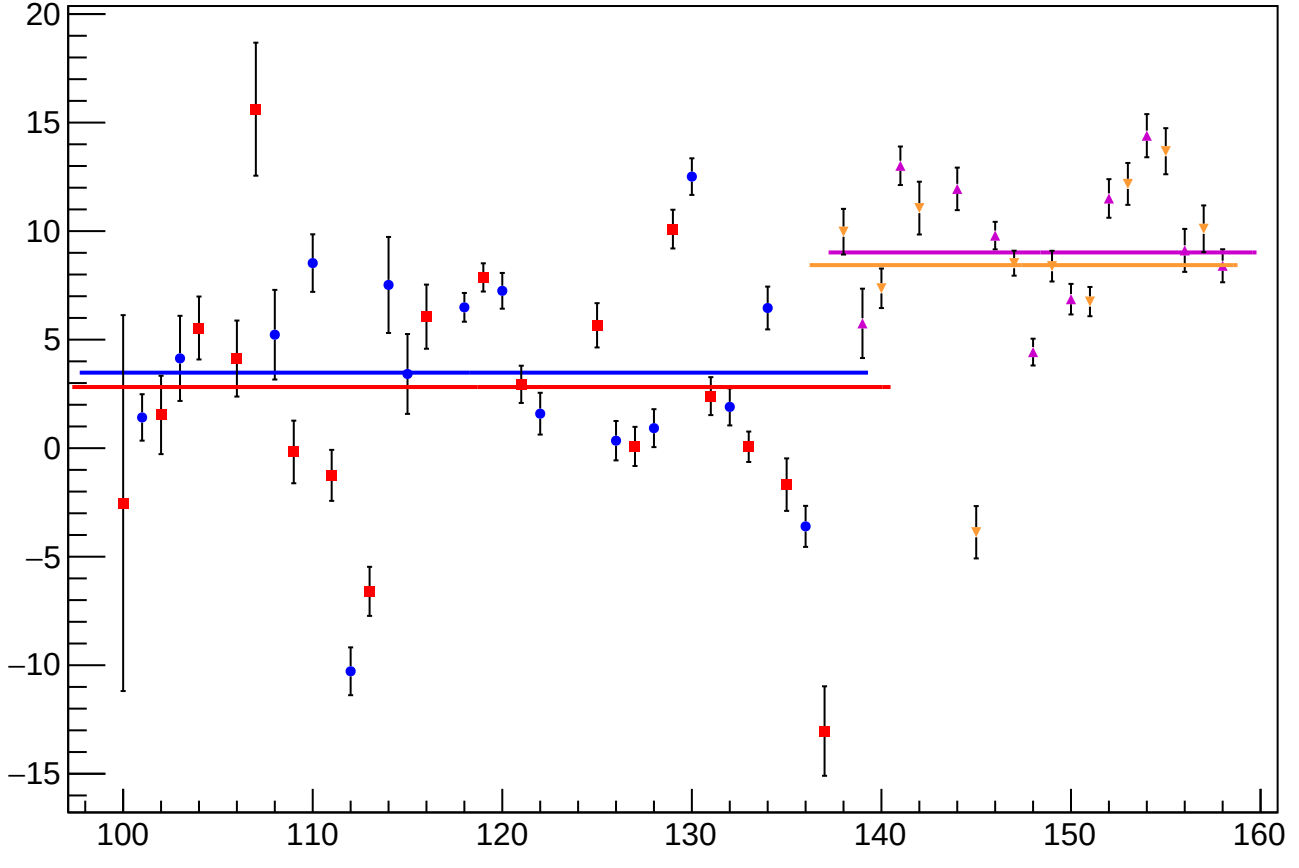
Left: 12.534+/-0.228 χ^2/NDF: 1289.2/19

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.204+/-0.194 χ^2/NDF:2893.6/25

Out: 14.561+/-0.199 χ^2/NDF:3630.4/27

All: 13.865+/-0.139 χ^2/NDF: 6547.8/53



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.434+/-0.272 χ^2/NDF:160.4/9

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.017+/-0.260 χ^2/NDF:137.3/9

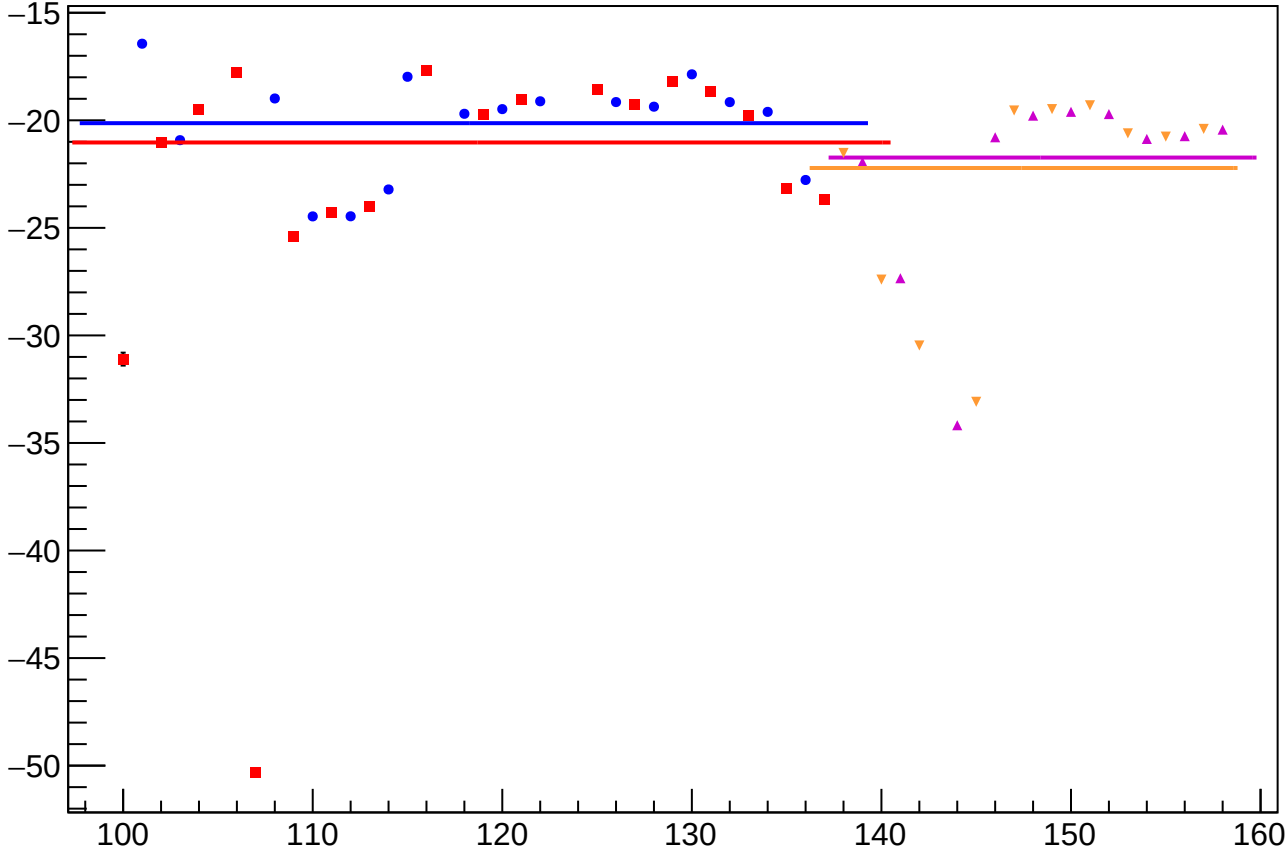
Left: 8.739+/-0.188 χ^2/NDF: 300.1/19

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.185+/-0.181 χ^2/NDF:797.8/25

Out: 5.469+/-0.187 χ^2/NDF:730.8/27

All: 5.838+/-0.130 χ^2/NDF: 1536.1/53



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -22.217+/-0.013 χ^2/NDF:103290.2/9

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -21.732+/-0.012 χ^2/NDF:86351.6/9

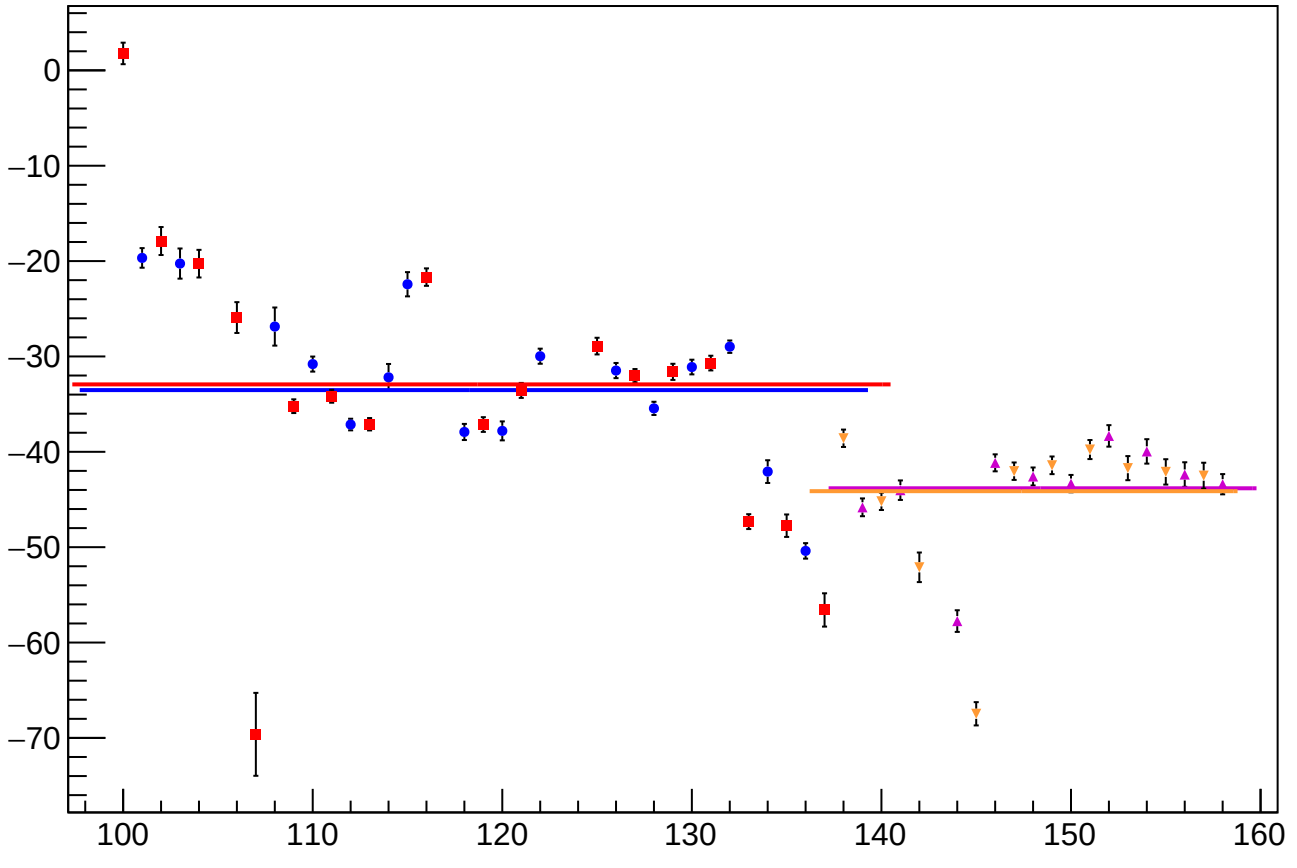
Left: -21.955+/-0.009 χ^2/NDF: 190395.5/19

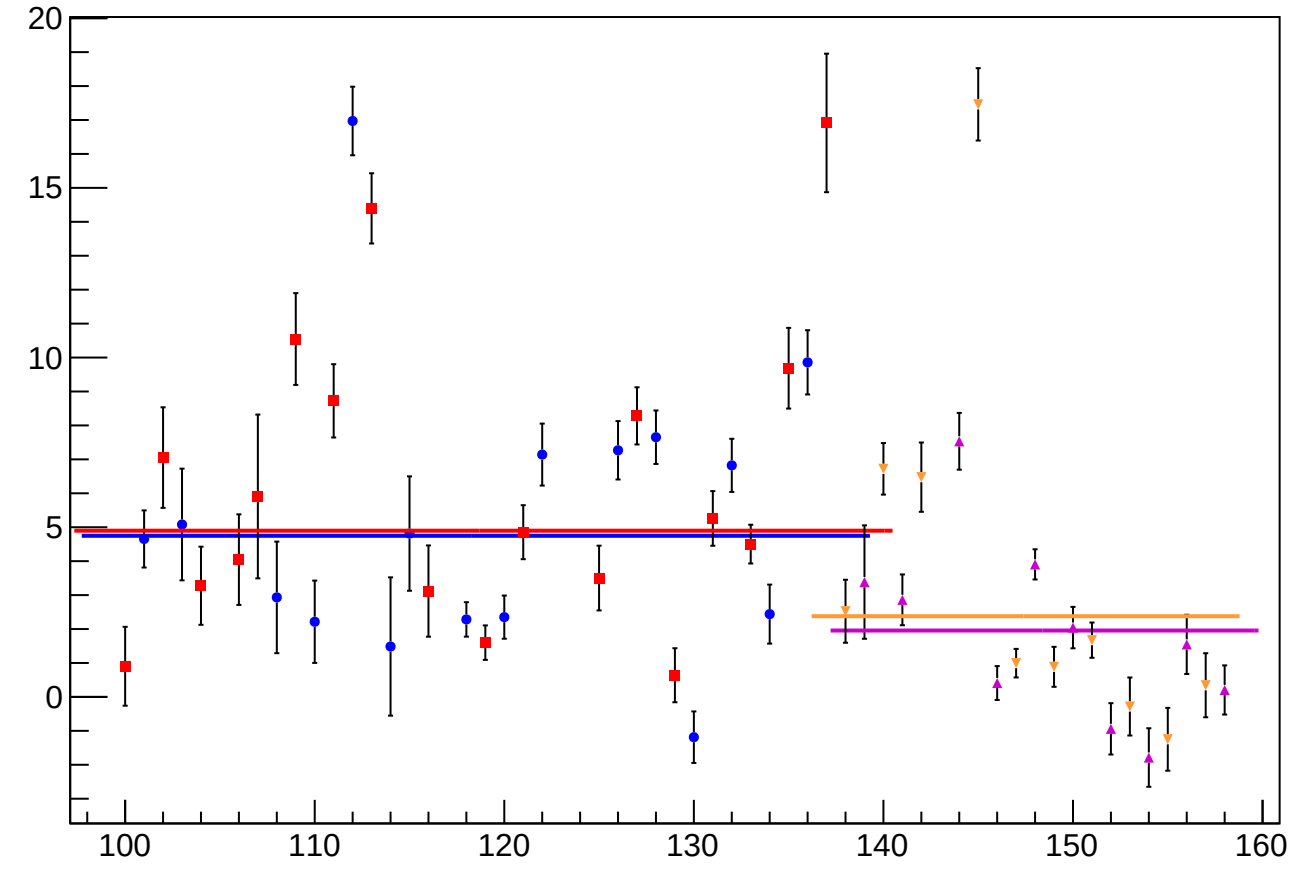
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.159+/-0.010 χ^2/NDF:112579.8/25

Out: -21.761+/-0.010 χ^2/NDF:164016.0/27

All: -21.442+/-0.007 χ^2/NDF: 278446.5/53


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -44.127+/-0.341 χ²/NDF:471.3/9
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -43.825+/-0.327 χ²/NDF:200.2/9
Left: -43.970+/-0.236 χ²/NDF: 671.9/19
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.707+/-0.182 χ²/NDF:1894.9/25
Out: -36.043+/-0.180 χ²/NDF:3419.5/27
All: -36.372+/-0.128 χ²/NDF: 5321.1/53



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.378+/-0.220 χ^2/NDF:297.5/9

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.956+/-0.215 χ^2/NDF:115.1/9

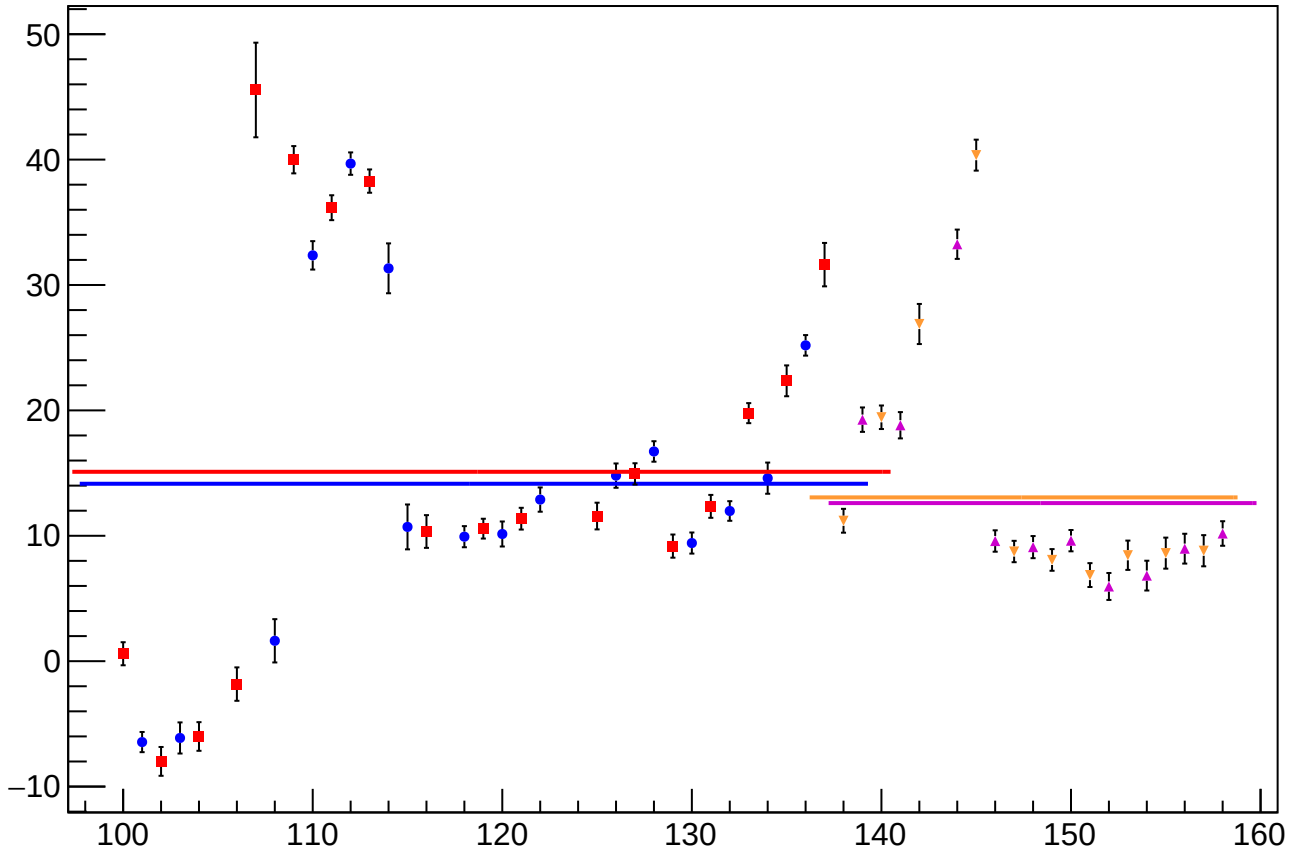
Left: 2.162+/-0.154 χ^2/NDF: 414.5/19

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 3.322+/-0.154 χ^2/NDF:523.3/25

Out: 3.639+/-0.156 χ^2/NDF:636.2/27

All: 3.479+/-0.109 χ^2/NDF: 1161.6/53



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 13.062+/-0.331 χ^2/NDF:754.9/9

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 12.607+/-0.315 χ^2/NDF:511.9/9

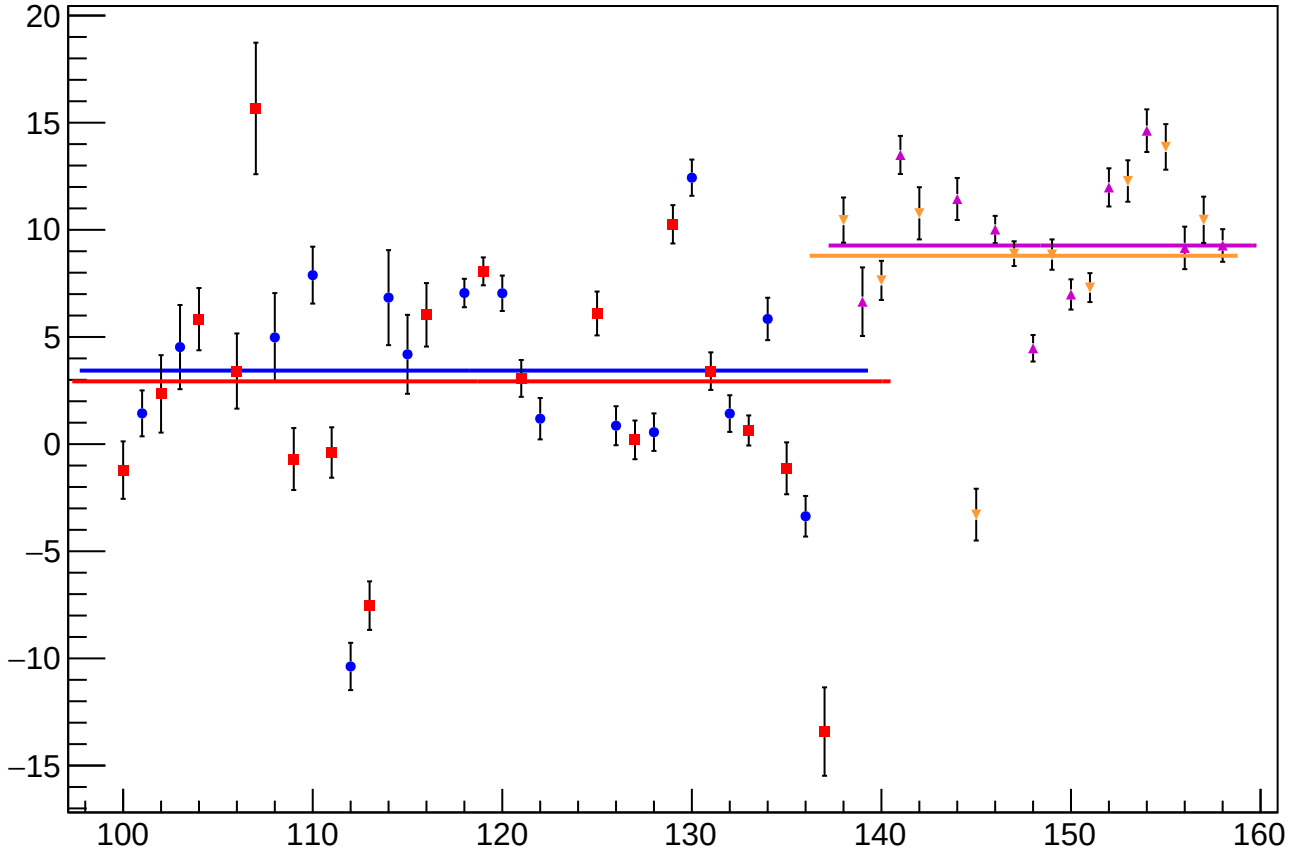
Left: 12.824+/-0.228 χ^2/NDF: 1267.8/19

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 13.562+/-0.195 χ^2/NDF:2929.1/25

Out: 14.392+/-0.195 χ^2/NDF:3882.0/27

All: 13.975+/-0.138 χ^2/NDF: 6820.1/53



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.790+/-0.272 χ^2/NDF:149.7/9

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.268+/-0.260 χ^2/NDF:140.4/9

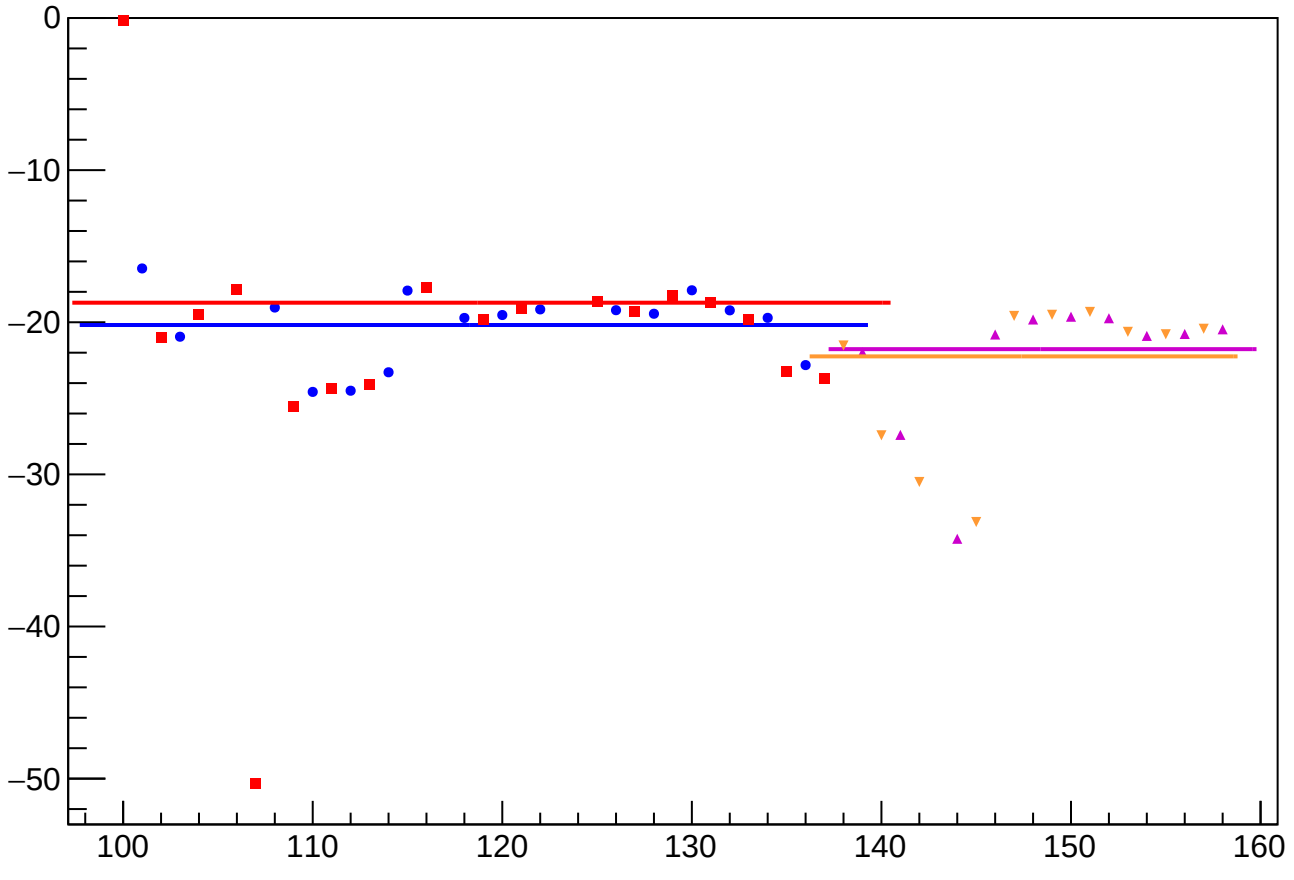
Left: 9.040+/-0.188 χ^2/NDF: 291.7/19

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 6.284+/-0.182 χ^2/NDF:822.0/25

Out: 5.646+/-0.186 χ^2/NDF:765.6/27

All: 5.972+/-0.130 χ^2/NDF: 1593.6/53



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.243+/-0.013 χ^2/NDF:103071.5/9

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.767+/-0.012 χ^2/NDF:86507.9/9

Left: -21.986+/-0.009 χ^2/NDF: 190303.8/19

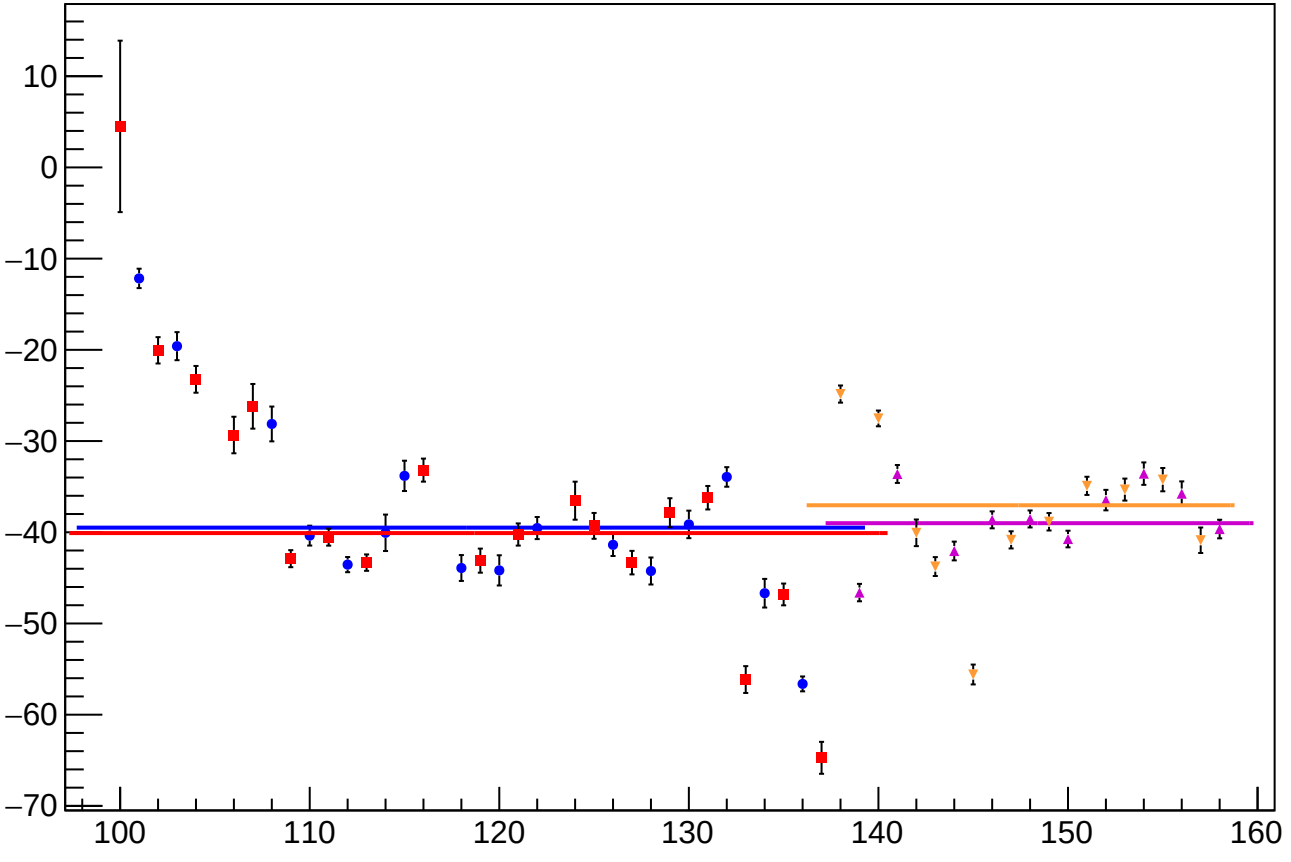
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.199+/-0.010 χ^2/NDF:112637.1/25

Out: -20.791+/-0.010 χ^2/NDF:367991.9/27

All: -21.003+/-0.007 χ^2/NDF: 481495.5/53

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.039+/-0.320 χ^2/NDF:664.7/10

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -39.005+/-0.323 χ^2/NDF:137.2/9

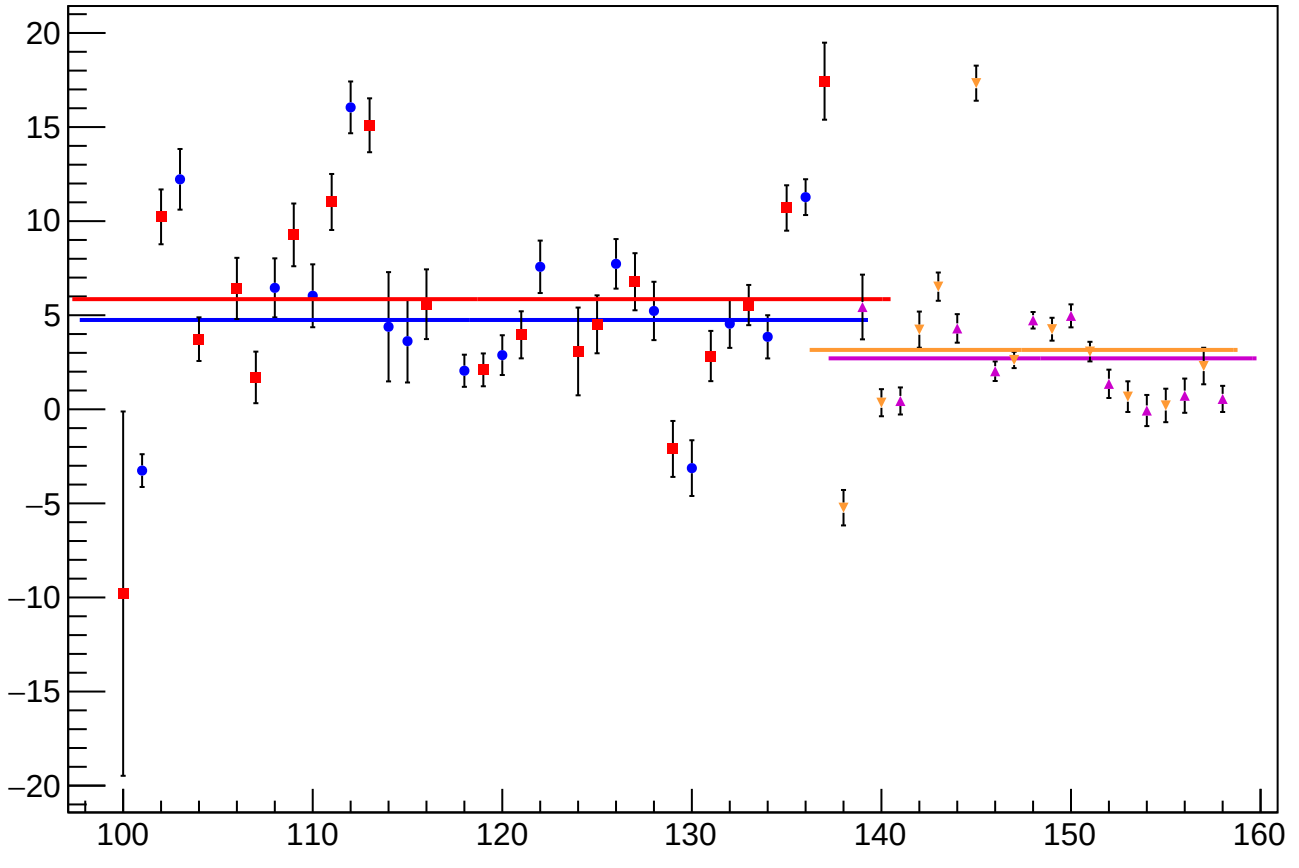
Left: -38.012+/-0.228 χ^2/NDF: 820.6/20

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.258+/-0.224 χ^2/NDF:1555.5/25

Out: -38.628+/-0.222 χ^2/NDF:1547.0/29

All: -38.940+/-0.158 χ^2/NDF: 3106.4/55



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.156+/-0.210 χ^2/NDF:372.8/10

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 2.708+/-0.213 χ^2/NDF:82.2/9

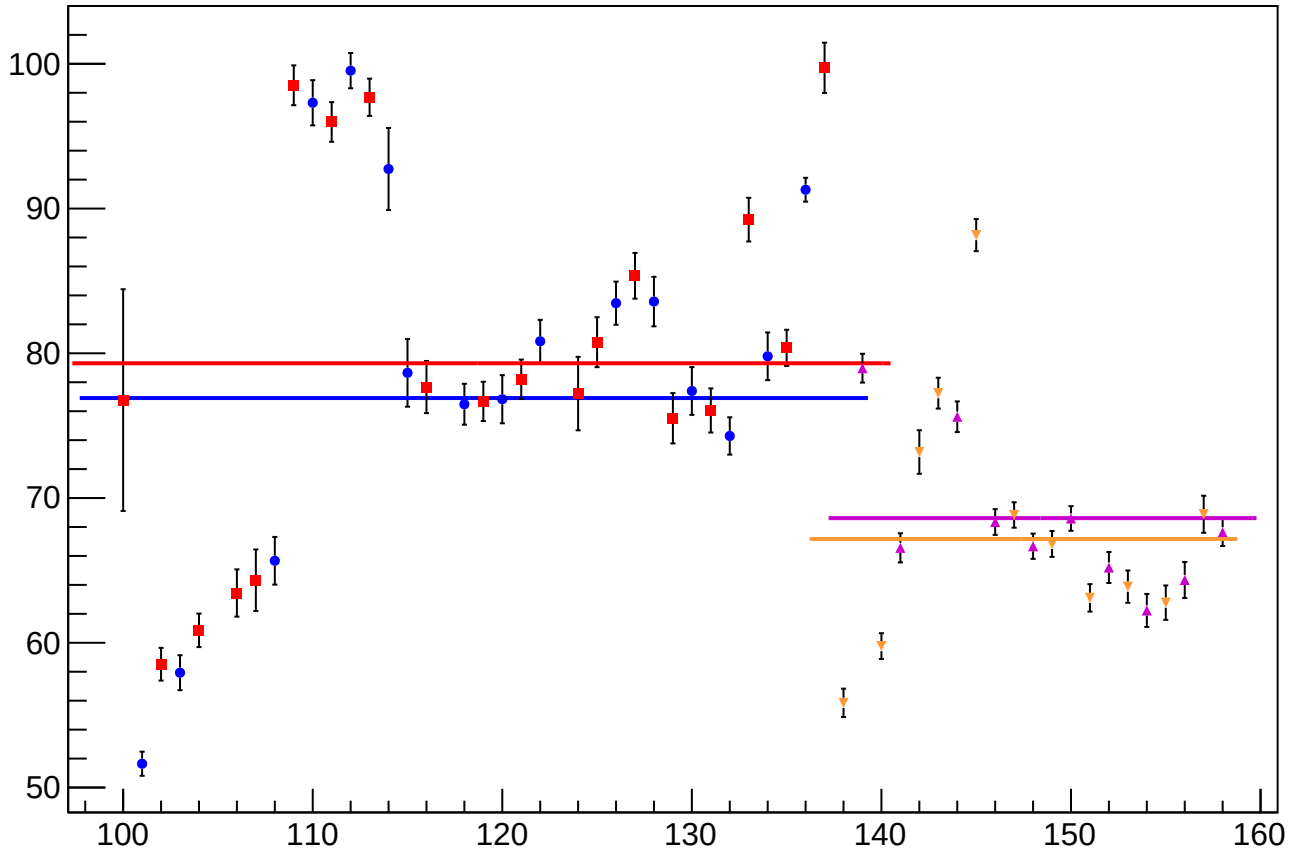
Left: 2.935+/-0.150 χ^2/NDF: 457.3/20

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 3.345+/-0.177 χ^2/NDF:384.7/25

Out: 3.956+/-0.176 χ^2/NDF:609.2/29

All: 3.651+/-0.125 χ^2/NDF: 1000.0/55



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.171+/-0.313 χ^2/NDF:713.0/10

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 68.612+/-0.312 χ^2/NDF:215.6/9

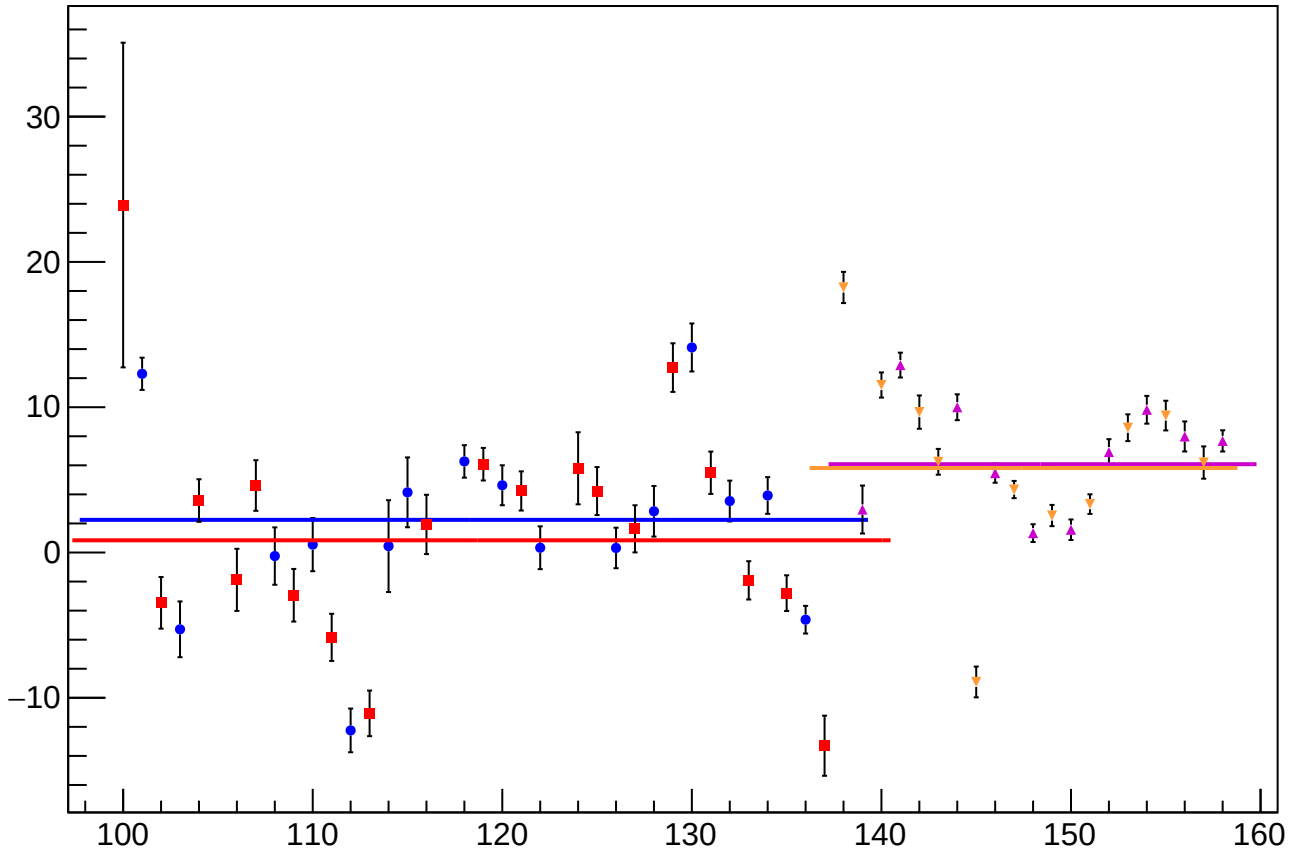
Left: 67.893+/-0.221 χ^2/NDF: 939.2/20

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 72.445+/-0.229 χ^2/NDF:2657.9/25

Out: 72.597+/-0.233 χ^2/NDF:2882.9/29

All: 72.520+/-0.163 χ^2/NDF: 5541.0/55



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.816+/-0.258 χ^2/NDF:443.4/10

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 6.079+/-0.257 χ^2/NDF:212.8/9

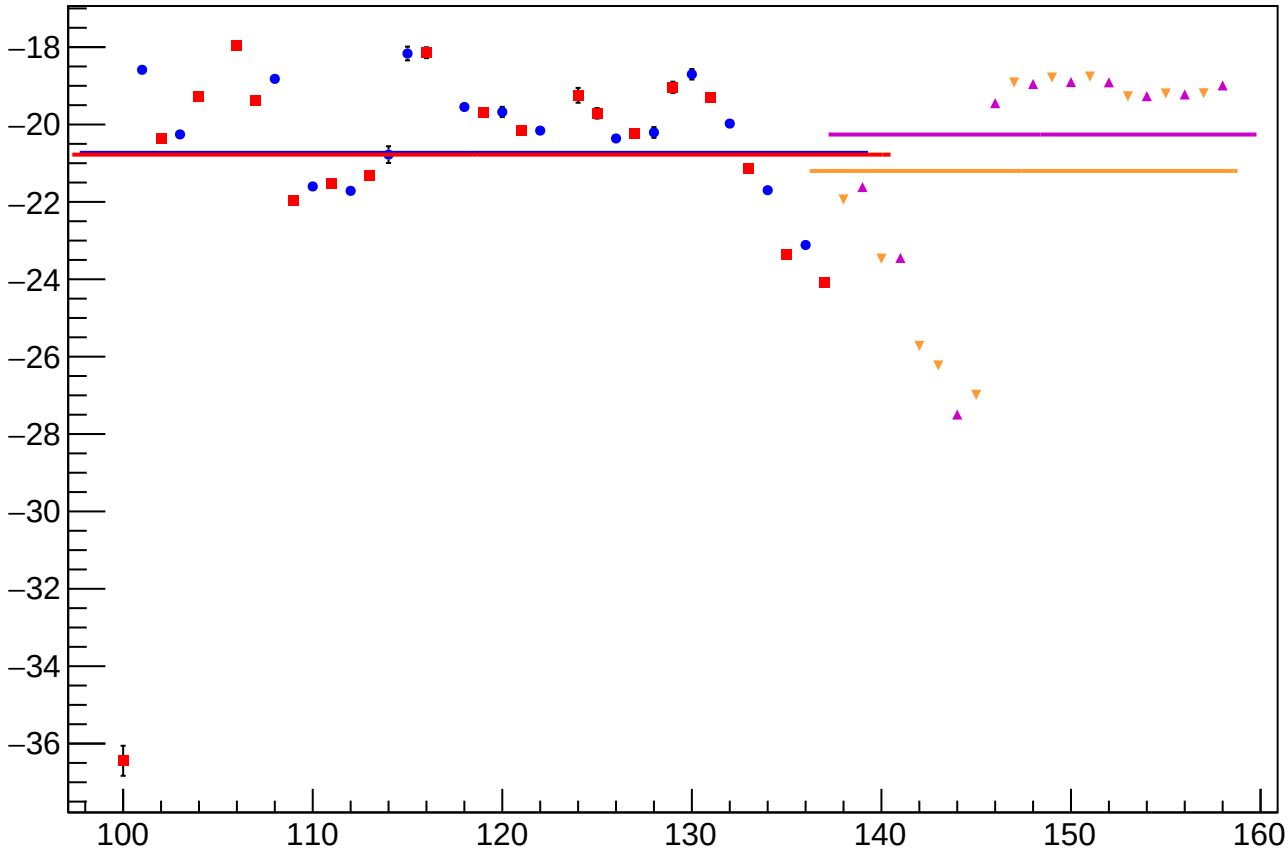
Left: 5.948+/-0.182 χ^2/NDF: 656.7/20

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 4.799+/-0.210 χ^2/NDF:606.5/25

Out: 4.196+/-0.212 χ^2/NDF:820.2/29

All: 4.501+/-0.149 χ^2/NDF: 1430.8/55



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.200+/-0.012 χ^2/NDF:58484.3/10

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -20.259+/-0.012 χ^2/NDF:38155.5/9

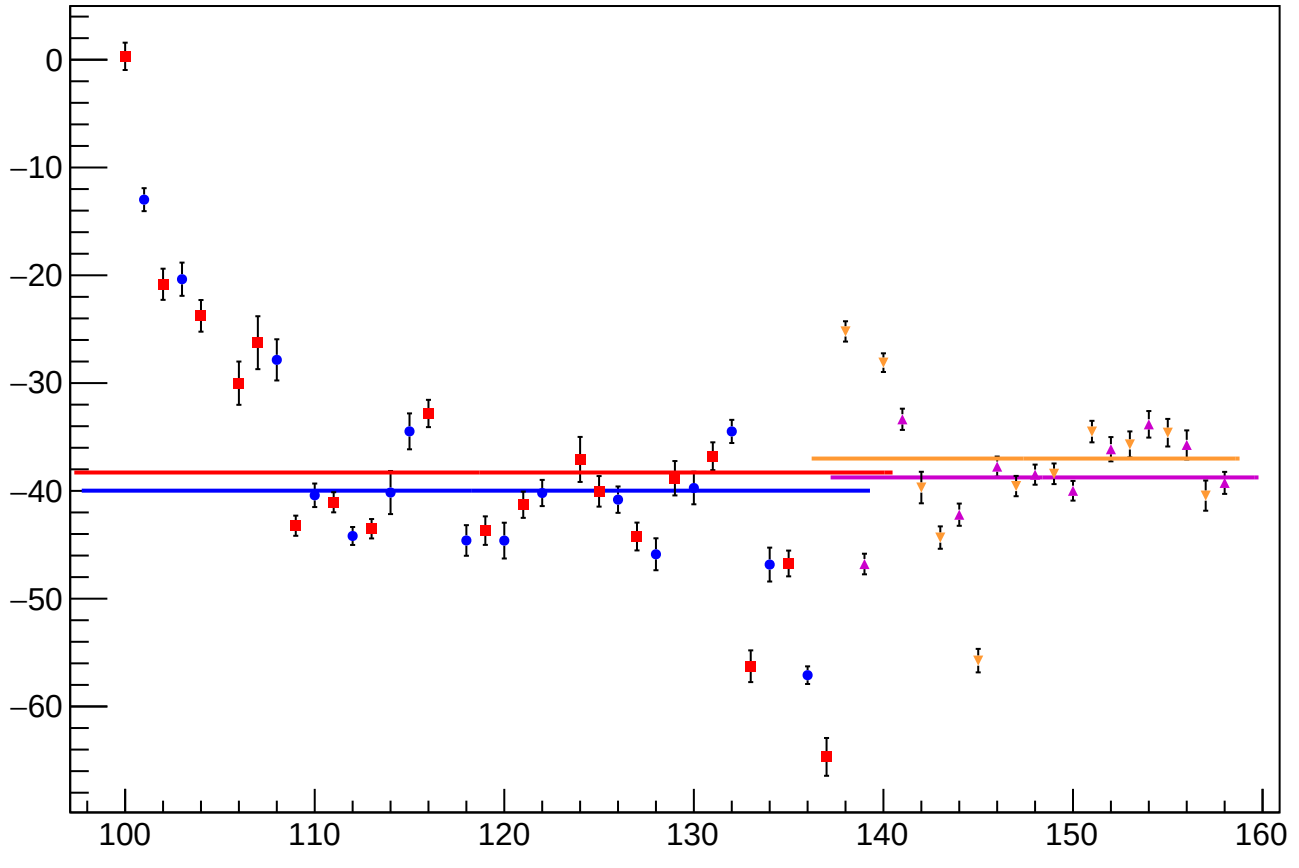
Left: -20.711+/-0.009 χ^2/NDF: 99649.9/20

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.388+/-0.010 χ^2/NDF:46221.9/25

Out: -21.085+/-0.011 χ^2/NDF:68228.4/29

All: -20.723+/-0.007 χ^2/NDF: 116720.3/55



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -37.000+/-0.321 χ^2/NDF:637.5/10

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -38.752+/-0.324 χ^2/NDF:141.5/9

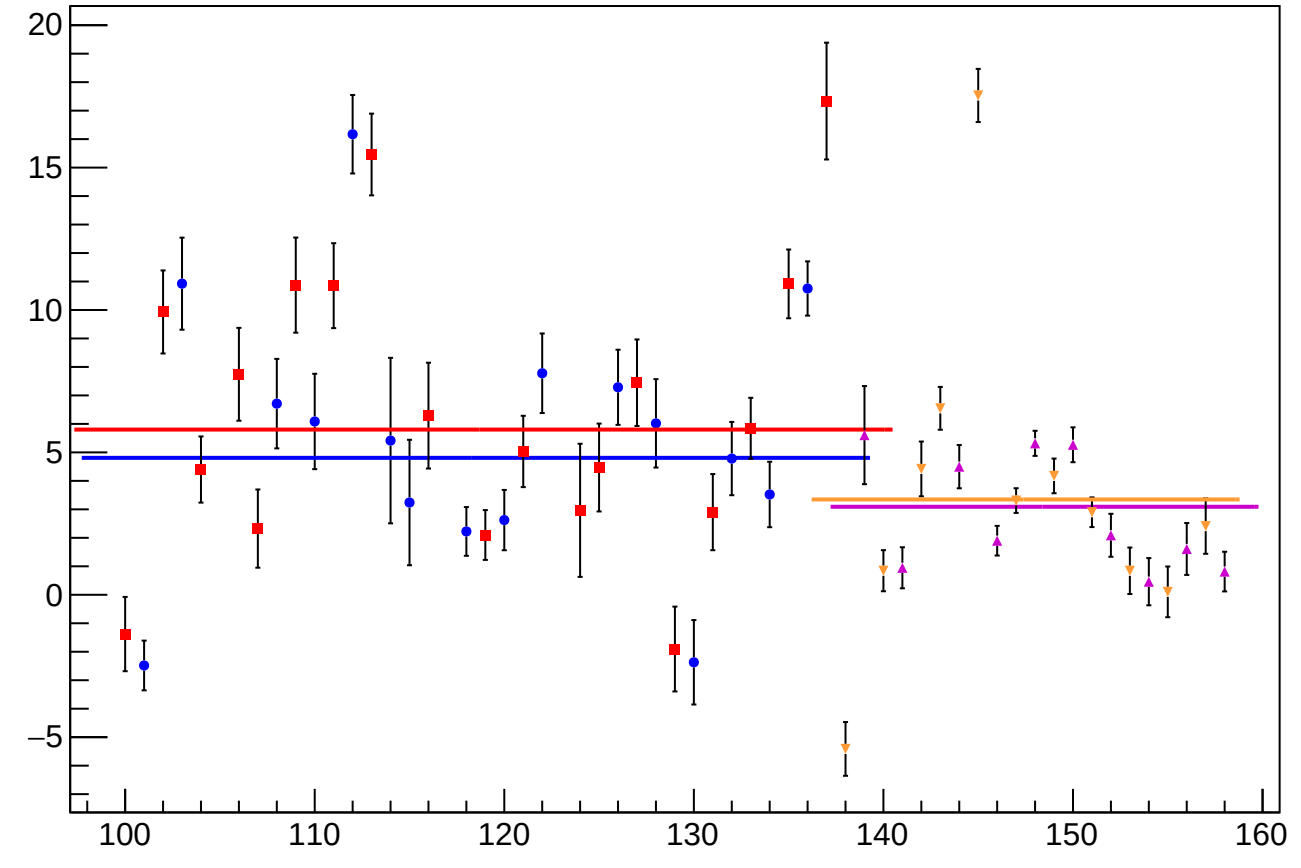
Left: -37.867+/-0.228 χ^2/NDF: 793.8/20

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -39.391+/-0.224 χ^2/NDF:1547.4/25

Out: -37.693+/-0.219 χ^2/NDF:2420.0/29

All: -38.520+/-0.157 χ^2/NDF: 3996.7/55



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 3.347+/-0.211 χ^2/NDF:374.6/10

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 3.091+/-0.213 χ^2/NDF:83.0/9

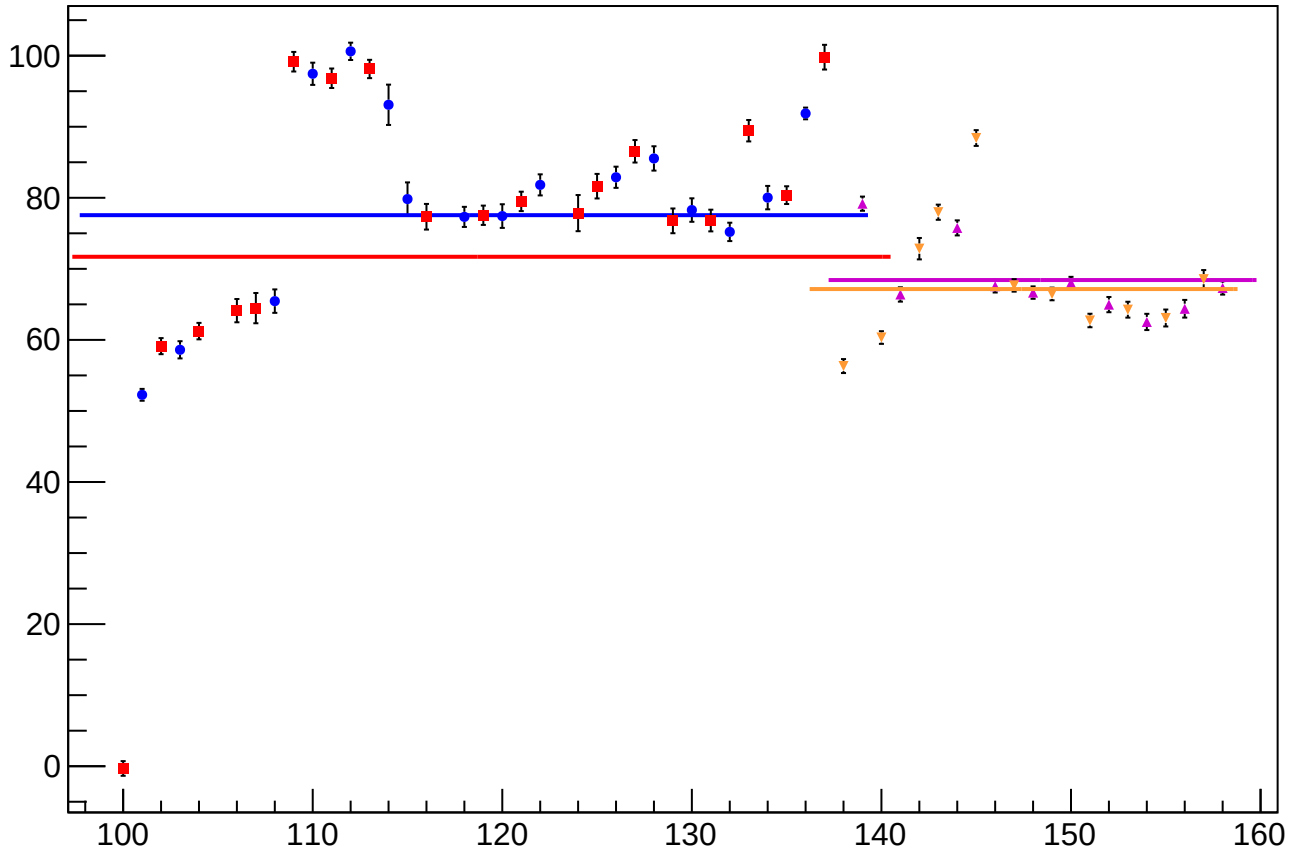
Left: 3.220+/-0.150 χ^2/NDF: 458.4/20

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 3.627+/-0.177 χ^2/NDF:343.8/25

Out: 4.105+/-0.175 χ^2/NDF:633.0/29

All: 3.869+/-0.124 χ^2/NDF: 980.5/55



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.155+/-0.313 χ^2/NDF:706.1/10

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 68.424+/-0.313 χ^2/NDF:222.2/9

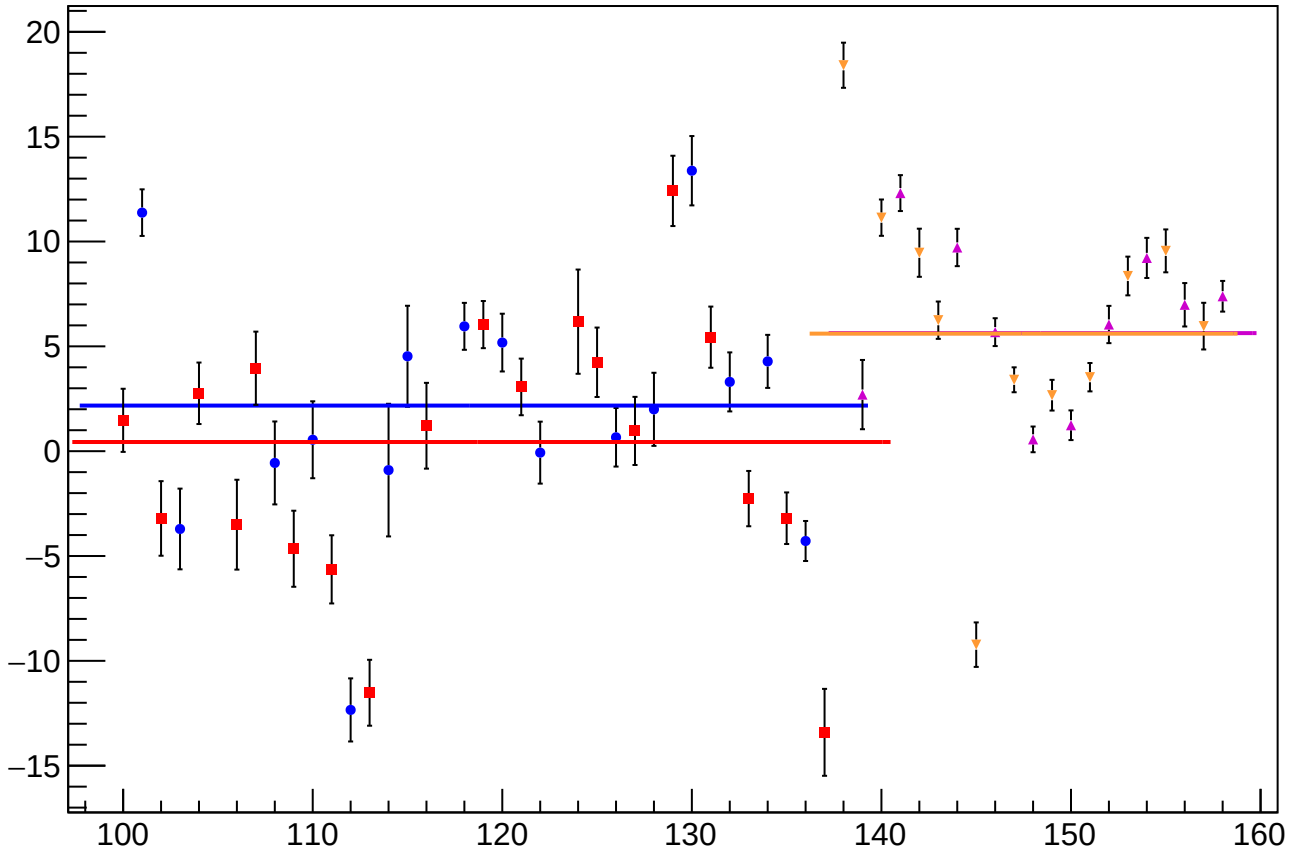
Left: 67.791+/-0.221 χ^2/NDF: 936.6/20

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 72.643+/-0.229 χ^2/NDF:2734.4/25

Out: 69.306+/-0.227 χ^2/NDF:7709.2/29

All: 70.960+/-0.161 χ^2/NDF: 10550.4/55



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.606+/-0.259 χ^2/NDF:452.5/10

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 5.631+/-0.258 χ^2/NDF:213.5/9

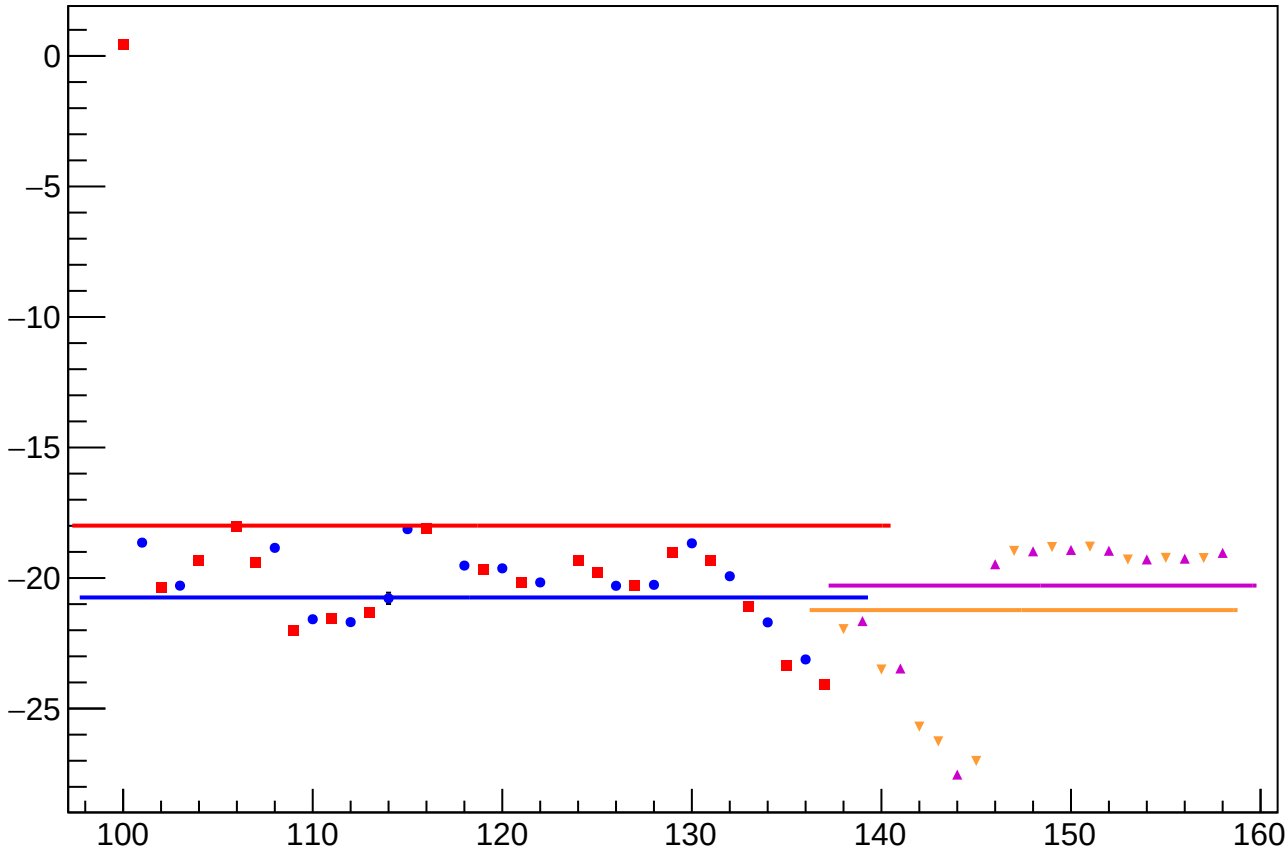
Left: 5.619+/-0.183 χ^2/NDF: 666.0/20

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 4.476+/-0.210 χ^2/NDF:564.0/25

Out: 3.857+/-0.211 χ^2/NDF:841.5/29

All: 4.167+/-0.149 χ^2/NDF: 1409.9/55



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -21.229+/-0.012 χ^2/NDF:58037.5/10

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -20.289+/-0.012 χ^2/NDF:37984.0/9

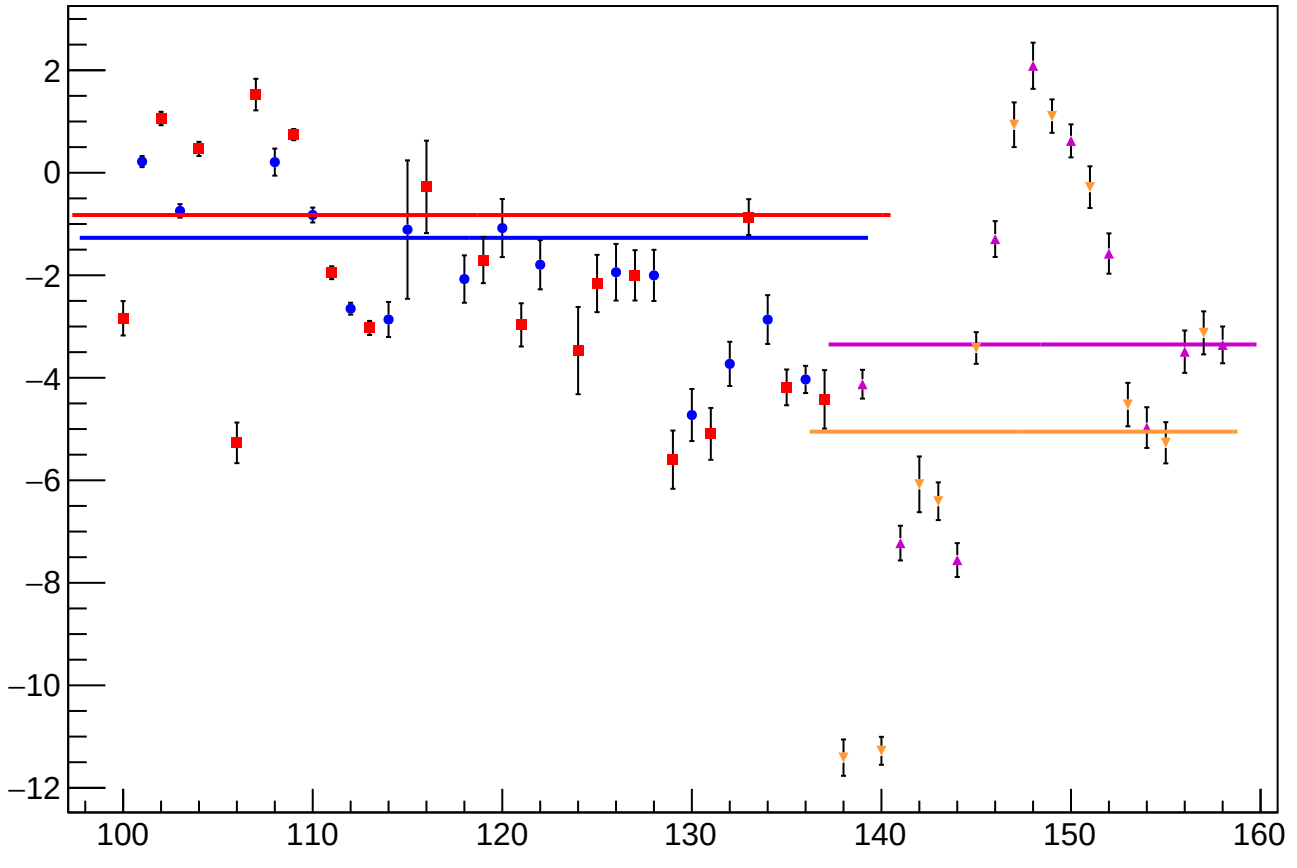
Left: -20.741+/-0.009 χ^2/NDF: 99009.5/20

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -20.414+/-0.010 χ^2/NDF:45895.7/25

Out: -20.255+/-0.010 χ^2/NDF:229158.1/29

All: -20.336+/-0.007 χ^2/NDF: 275172.9/55



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.051+/-0.111 χ^2/NDF:1593.2/10

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -3.350+/-0.112 χ^2/NDF:669.8/9

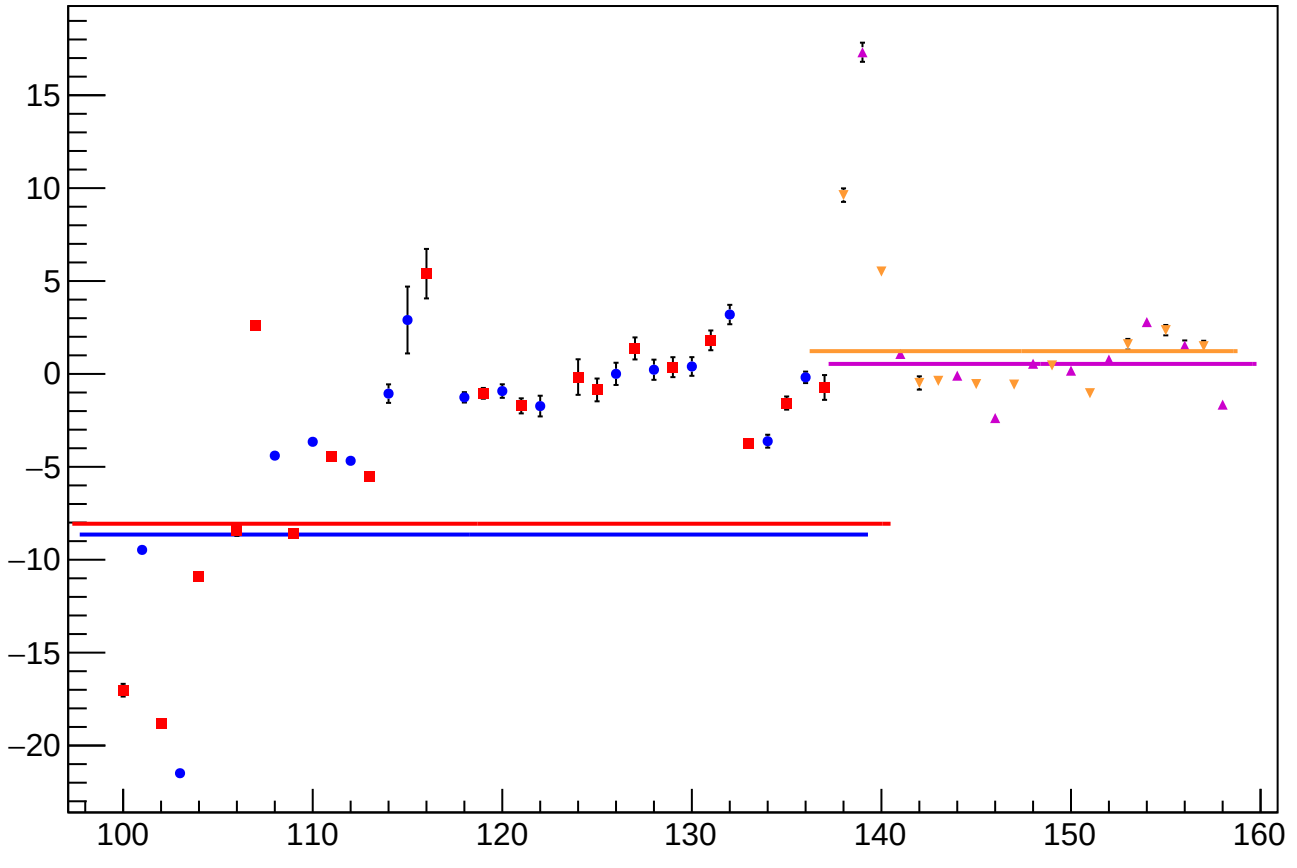
Left: -4.206+/-0.079 χ^2/NDF: 2379.1/20

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.668+/-0.049 χ^2/NDF:1565.2/25

Out: -1.560+/-0.046 χ^2/NDF:4169.7/29

All: -1.611+/-0.034 χ^2/NDF: 5737.4/55



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.226+/-0.078 χ^2/NDF:1196.3/10

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.540+/-0.079 χ^2/NDF:1425.2/9

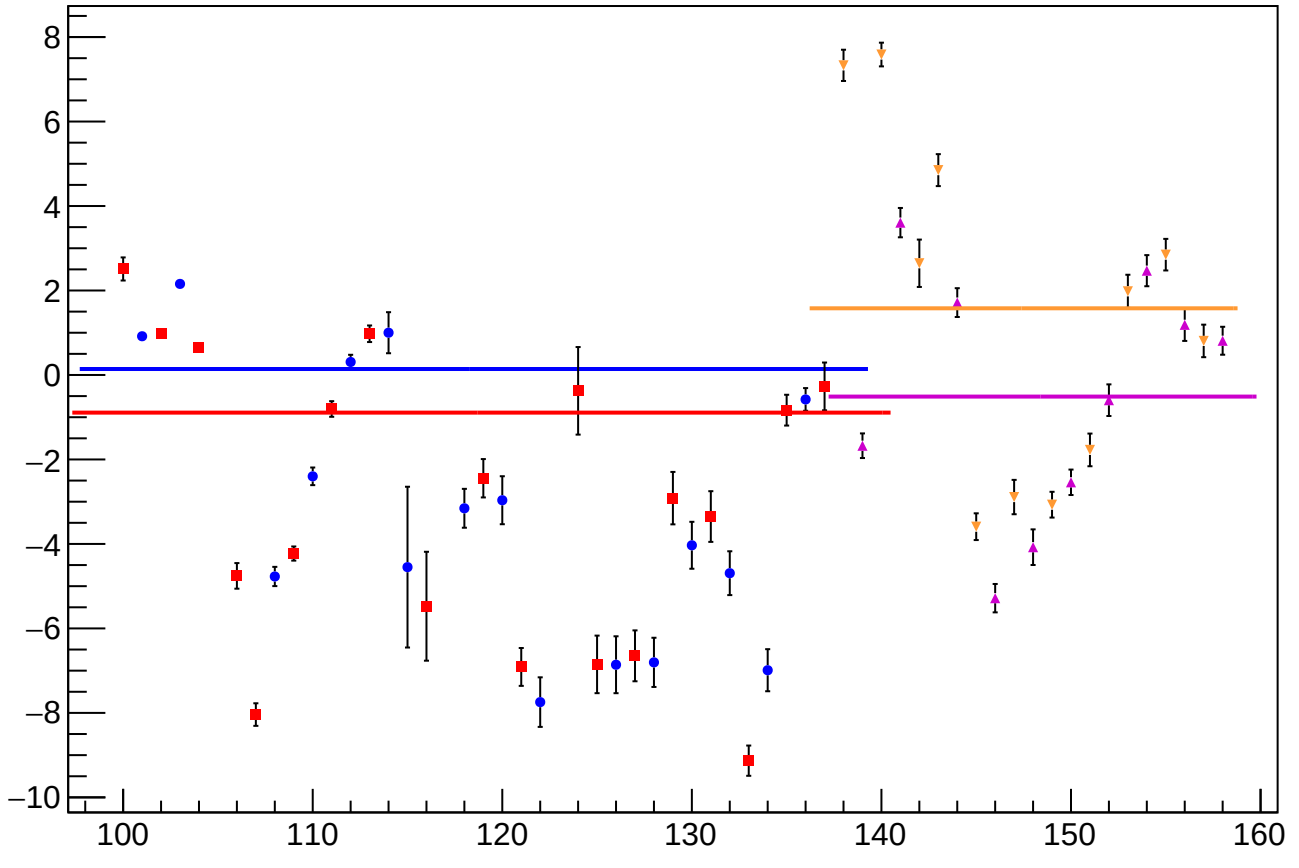
Left: 0.891+/-0.056 χ^2/NDF: 2659.7/20

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.529+/-0.046 χ^2/NDF:24080.6/25

Out: -4.772+/-0.046 χ^2/NDF:24869.2/29

All: -5.150+/-0.033 χ^2/NDF: 49083.7/55



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.578+/-0.109 χ^2/NDF:1490.2/10

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -0.512+/-0.109 χ^2/NDF:619.0/9

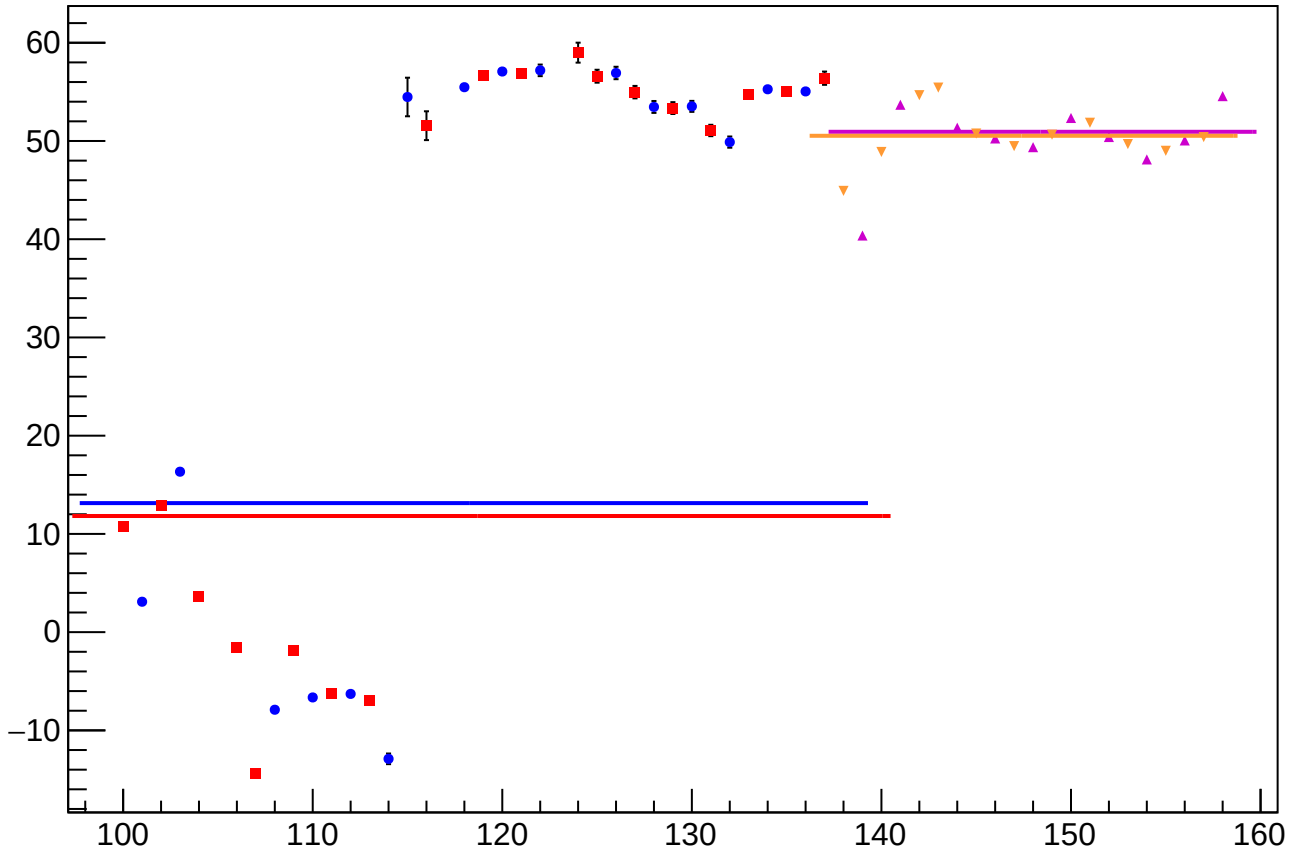
Left: 0.530+/-0.077 χ^2/NDF: 2293.4/20

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.016+/-0.048 χ^2/NDF:2607.9/25

Out: -0.411+/-0.048 χ^2/NDF:4888.6/29

All: -0.195+/-0.034 χ^2/NDF: 7536.3/55



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.529+/-0.093 χ^2/NDF:623.1/10

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.935+/-0.093 χ^2/NDF:901.9/9

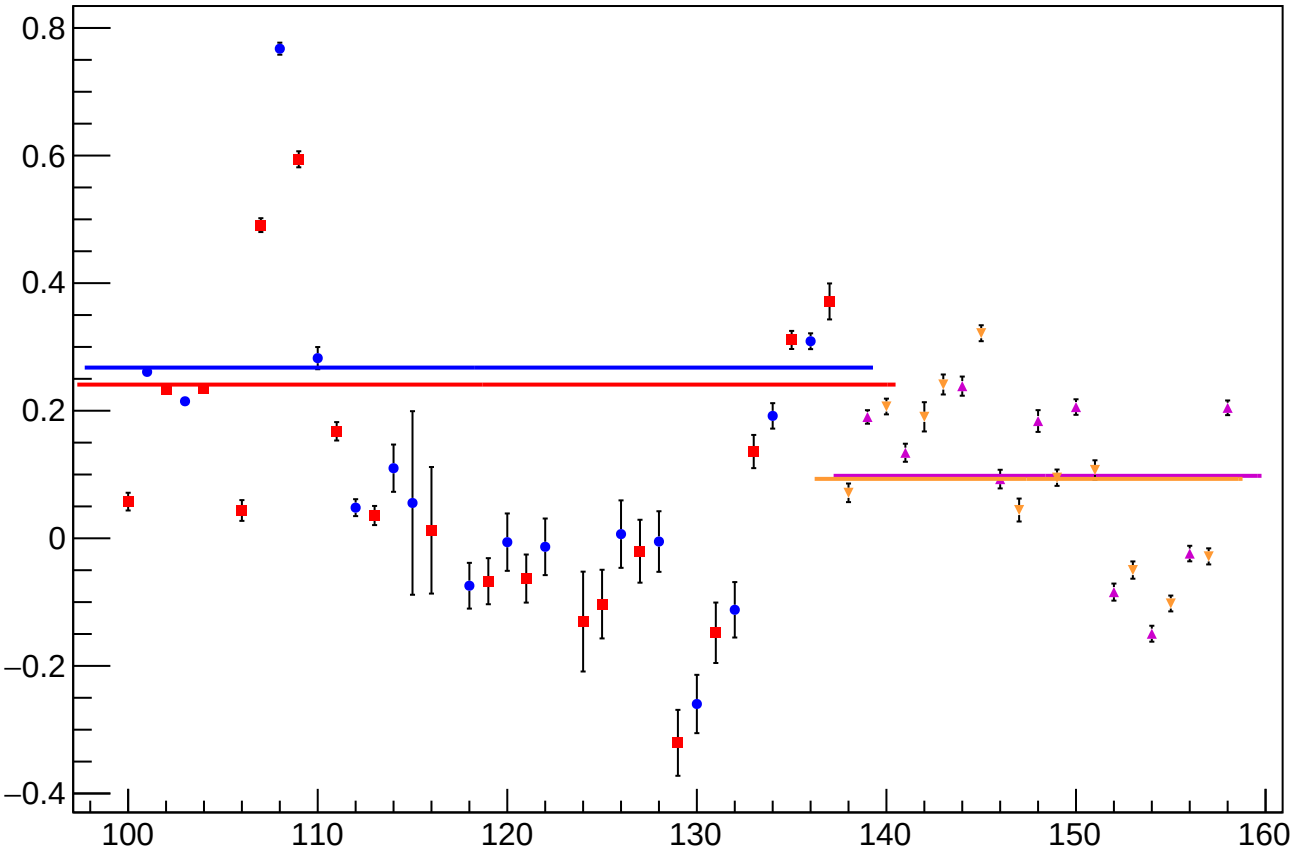
Left: 50.732+/-0.066 χ^2/NDF: 1534.5/20

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 26.237+/-0.055 χ^2/NDF:216751.3/25

Out: 25.224+/-0.055 χ^2/NDF:231475.1/29

All: 25.730+/-0.039 χ^2/NDF: 448397.0/55



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.093+/-0.004 χ^2/NDF:987.7/10

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.098+/-0.004 χ^2/NDF:1038.4/9

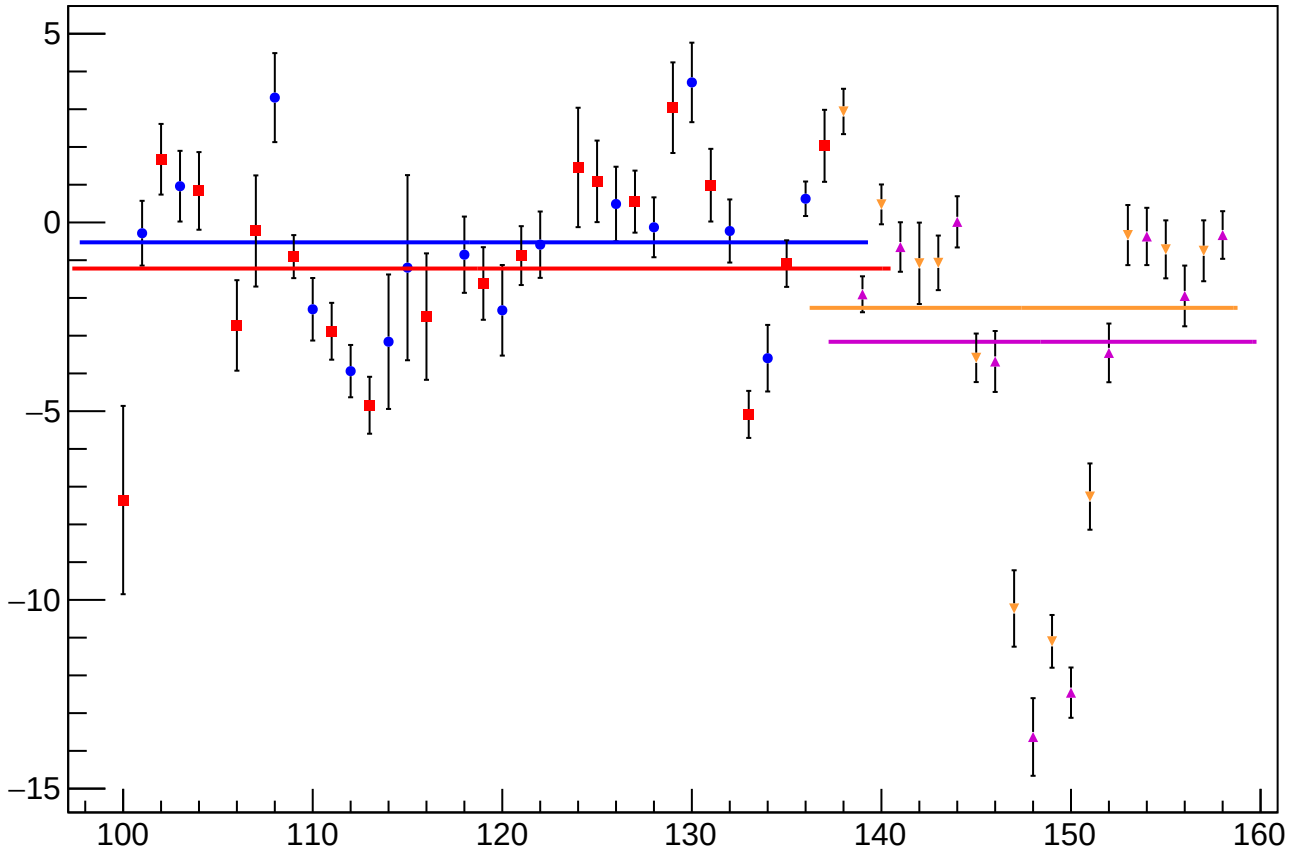
Left: 0.096+/-0.003 χ^2/NDF: 2026.7/20

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.214+/-0.002 χ^2/NDF:5928.8/25

Out: 0.197+/-0.002 χ^2/NDF:4180.5/29

All: 0.206+/-0.002 χ^2/NDF: 10134.8/55



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.262+/-0.220 χ^2/NDF:377.8/10

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -3.162+/-0.218 χ^2/NDF:378.3/9

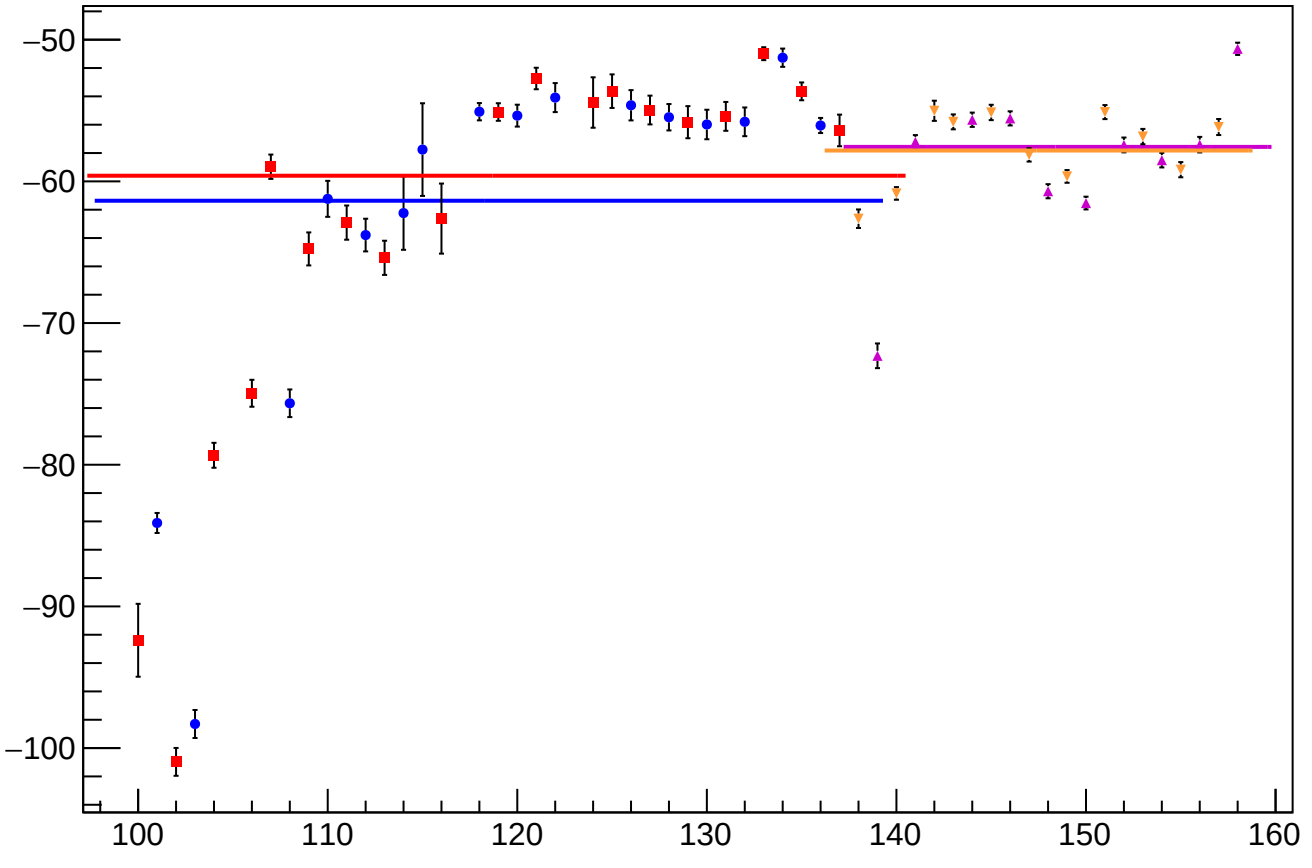
Left: -2.716+/-0.155 χ^2/NDF: 764.5/20

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.840+/-0.154 χ^2/NDF:534.4/25

Out: -1.704+/-0.150 χ^2/NDF:520.7/29

All: -1.770+/-0.107 χ^2/NDF: 1055.6/55



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.822+/-0.158 χ^2/NDF:220.2/10

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -57.566+/-0.161 χ^2/NDF:693.8/9

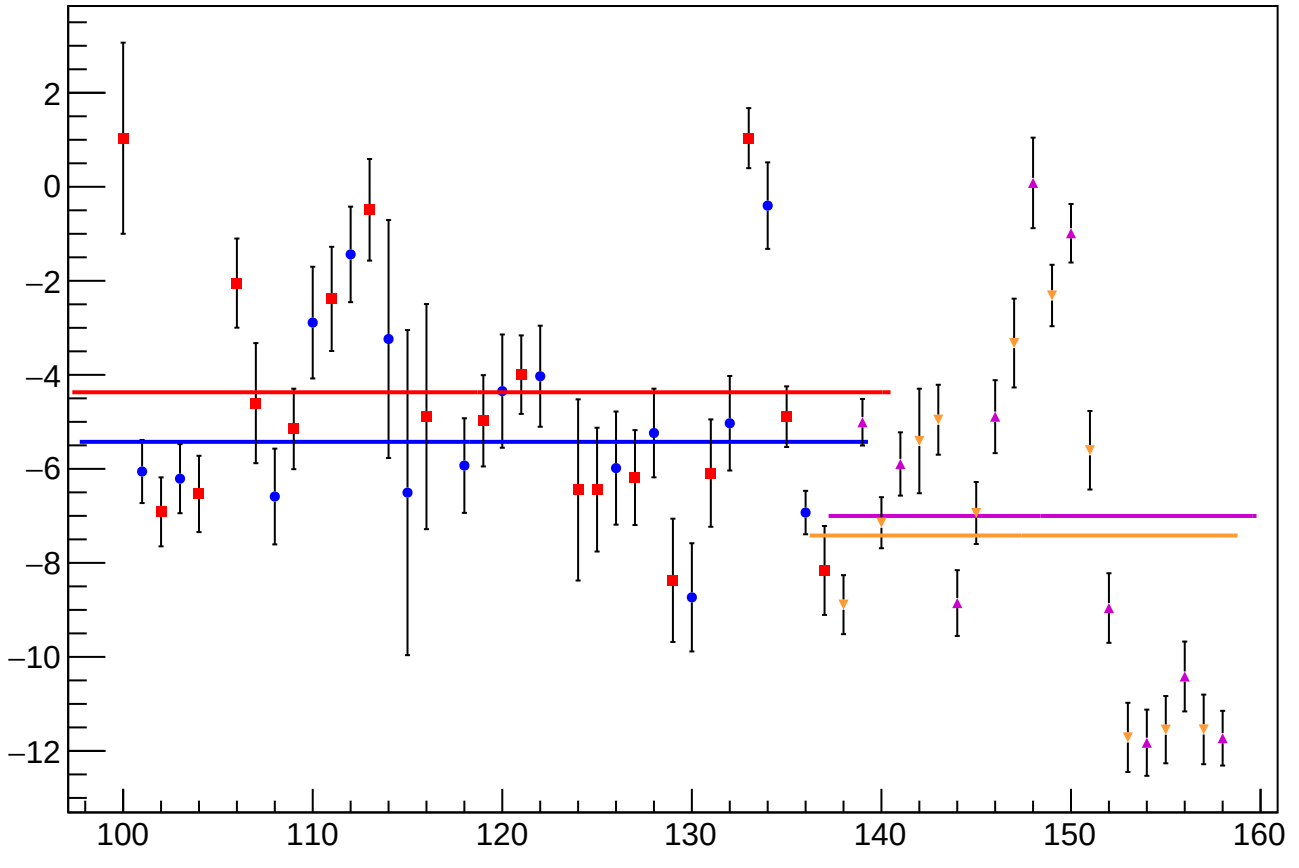
Left: -57.696+/-0.113 χ^2/NDF: 915.3/20

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -58.900+/-0.130 χ^2/NDF:4240.4/25

Out: -58.481+/-0.126 χ^2/NDF:3688.2/29

All: -58.684+/-0.090 χ^2/NDF: 7934.0/55



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.418+/-0.216 χ^2/NDF:203.5/10

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -7.002+/-0.212 χ^2/NDF:321.8/9

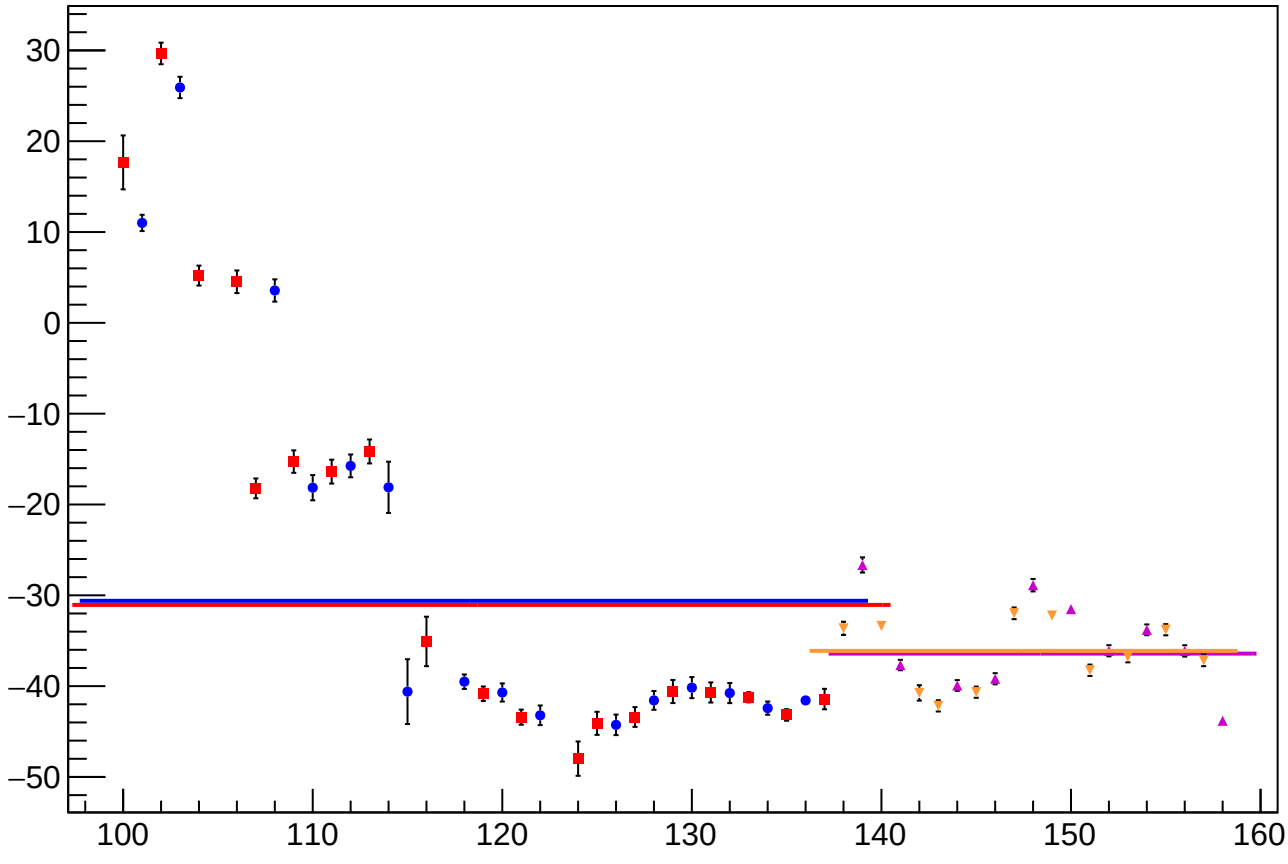
Left: -7.206+/-0.151 χ^2/NDF: 527.3/20

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -6.278+/-0.156 χ^2/NDF:423.2/25

Out: -5.937+/-0.155 χ^2/NDF:456.6/29

All: -6.107+/-0.110 χ^2/NDF: 882.2/55



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.117+/-0.189 χ^2/NDF:340.6/10

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -36.418+/-0.186 χ^2/NDF:692.0/9

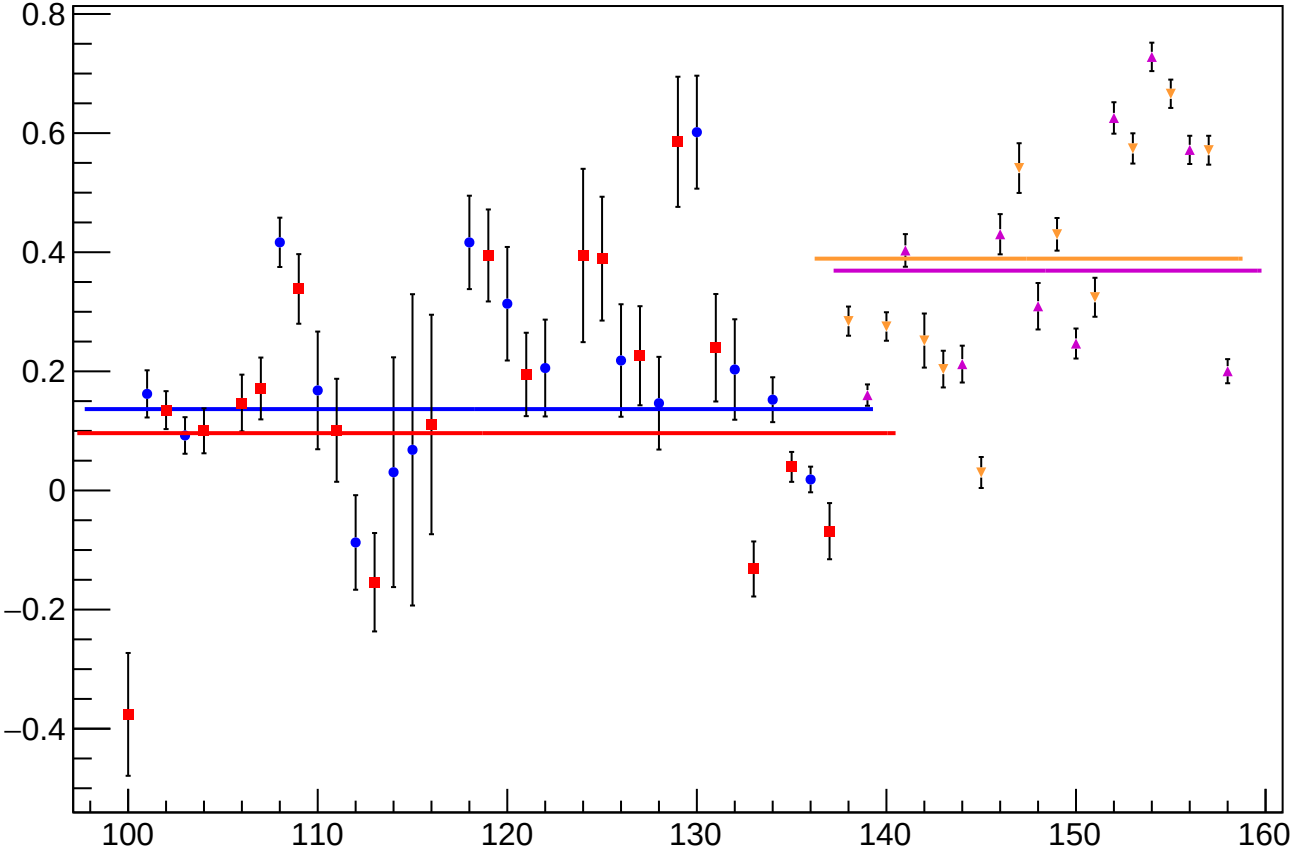
Left: -36.269+/-0.133 χ^2/NDF: 1033.9/20

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -34.334+/-0.149 χ^2/NDF:7978.6/25

Out: -34.163+/-0.148 χ^2/NDF:7595.1/29

All: -34.247+/-0.105 χ^2/NDF: 15574.4/55



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.389+/-0.008 χ^2/NDF:541.3/10

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.369+/-0.008 χ^2/NDF:655.5/9

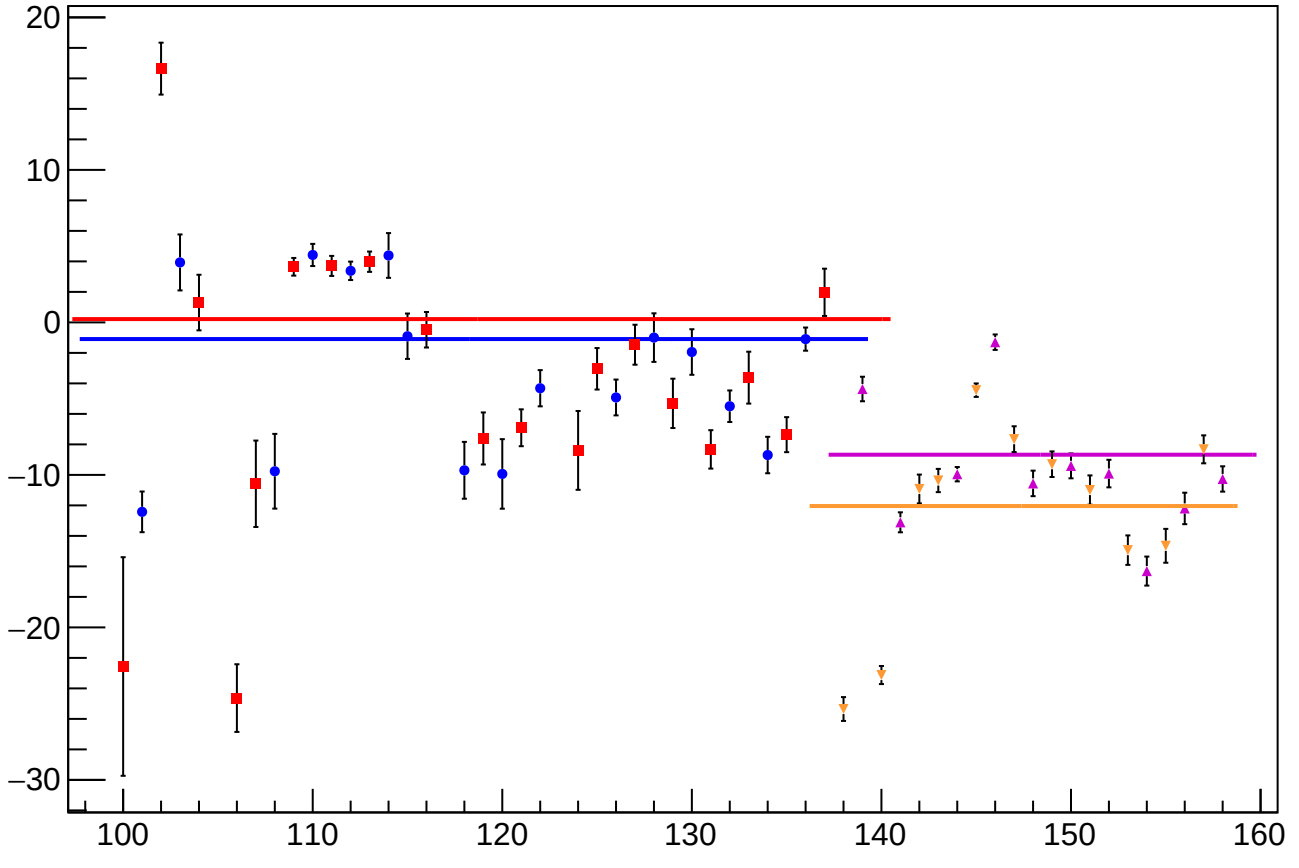
Left: 0.379+/-0.006 χ^2/NDF: 1199.8/20

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.303+/-0.007 χ^2/NDF:1031.7/25

Out: 0.297+/-0.007 χ^2/NDF:1075.1/29

All: 0.300+/-0.005 χ^2/NDF: 2107.2/55



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.042+/-0.227 χ^2/NDF:1012.2/10

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -8.676+/-0.224 χ^2/NDF:381.3/9

Left: -10.339+/-0.159 χ^2/NDF: 1505.0/20

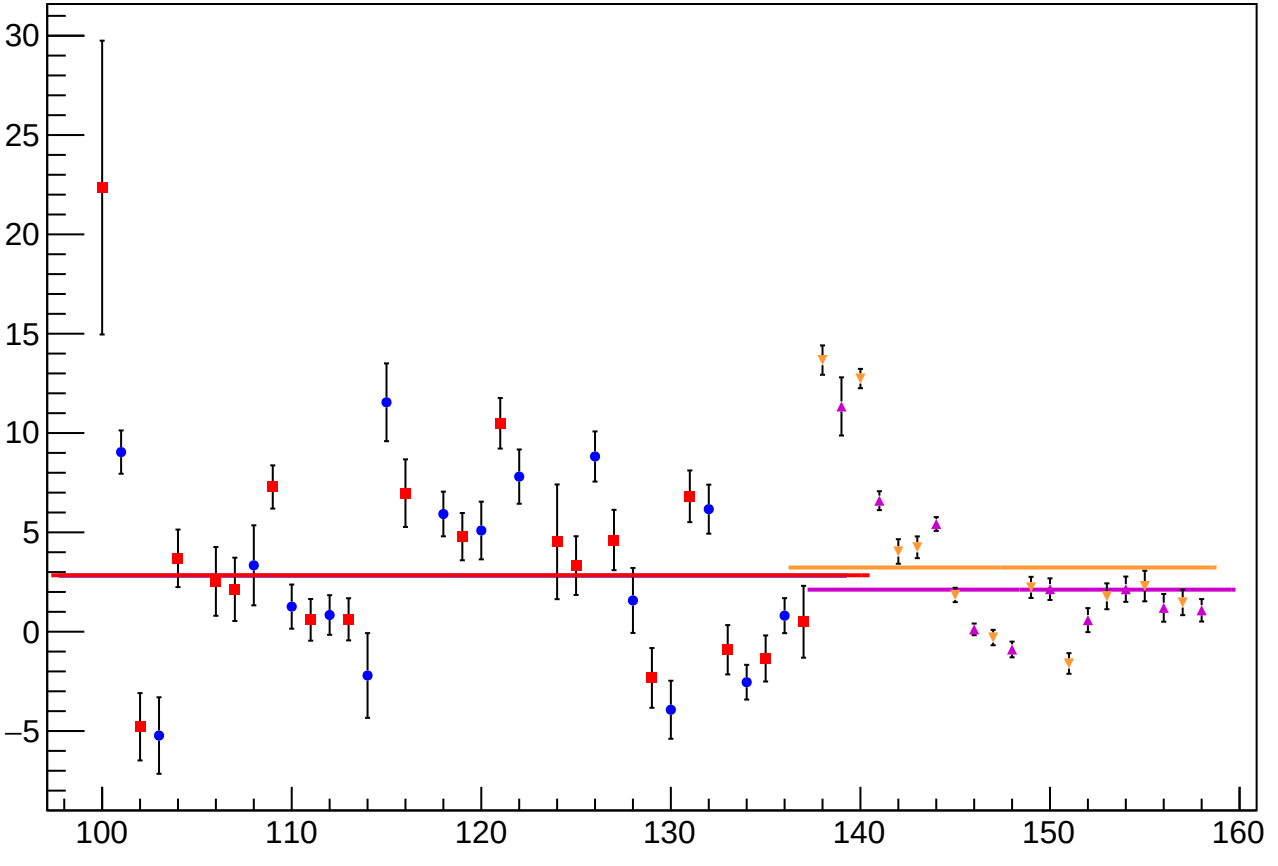
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -5.723+/-0.175 χ^2/NDF:1159.4/25

Out: -6.886+/-0.173 χ^2/NDF:2761.7/29

All: -6.313+/-0.123 χ^2/NDF: 3943.5/55

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.230+/-0.158 χ^2/NDF:788.2/10

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.116+/-0.149 χ^2/NDF:334.8/9

Left: 2.641+/-0.108 χ^2/NDF: 1149.3/20

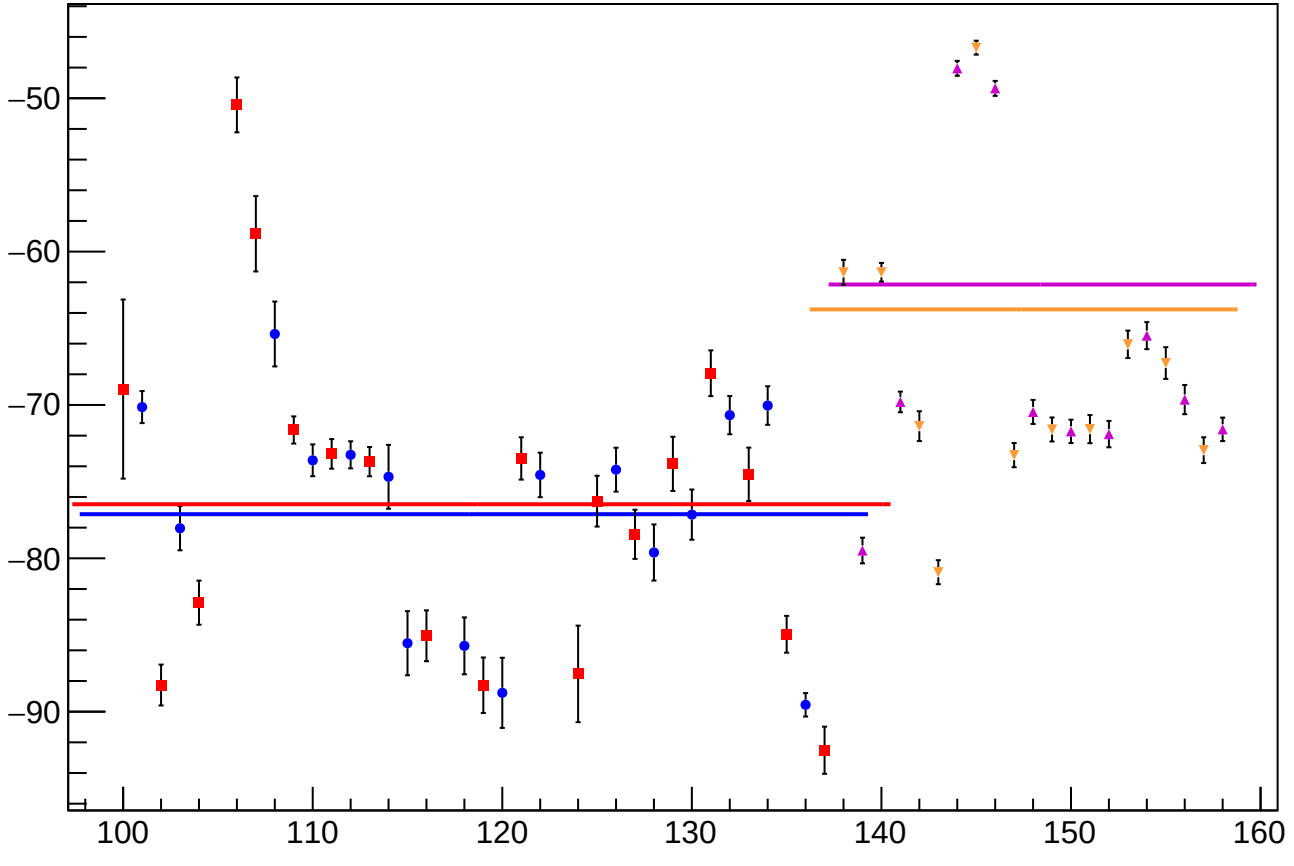
Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.247+/-0.135 χ^2/NDF:538.5/25

Out: 3.155+/-0.142 χ^2/NDF:934.3/29

All: 2.677+/-0.098 χ^2/NDF: 1494.4/55

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -63.769+/-0.225 χ^2/NDF:2422.7/10

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -62.144+/-0.219 χ^2/NDF:2717.1/9

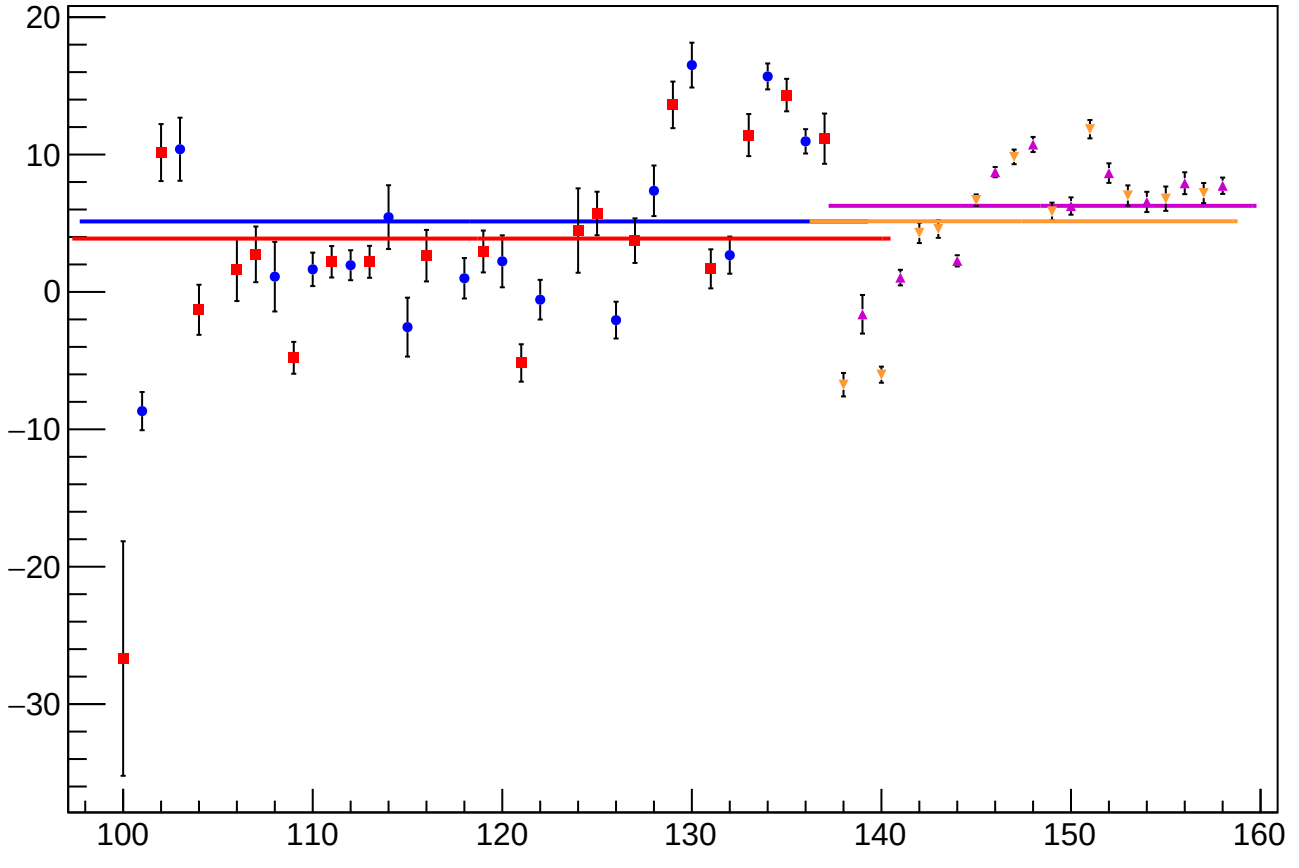
Left: -62.933+/-0.157 χ^2/NDF: 5166.6/20

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.792+/-0.182 χ^2/NDF:4674.0/25

Out: -67.828+/-0.186 χ^2/NDF:4136.8/29

All: -67.299+/-0.130 χ^2/NDF: 8826.7/55



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 5.144+/-0.191 χ^2/NDF:768.7/10

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 6.268+/-0.180 χ^2/NDF:343.8/9

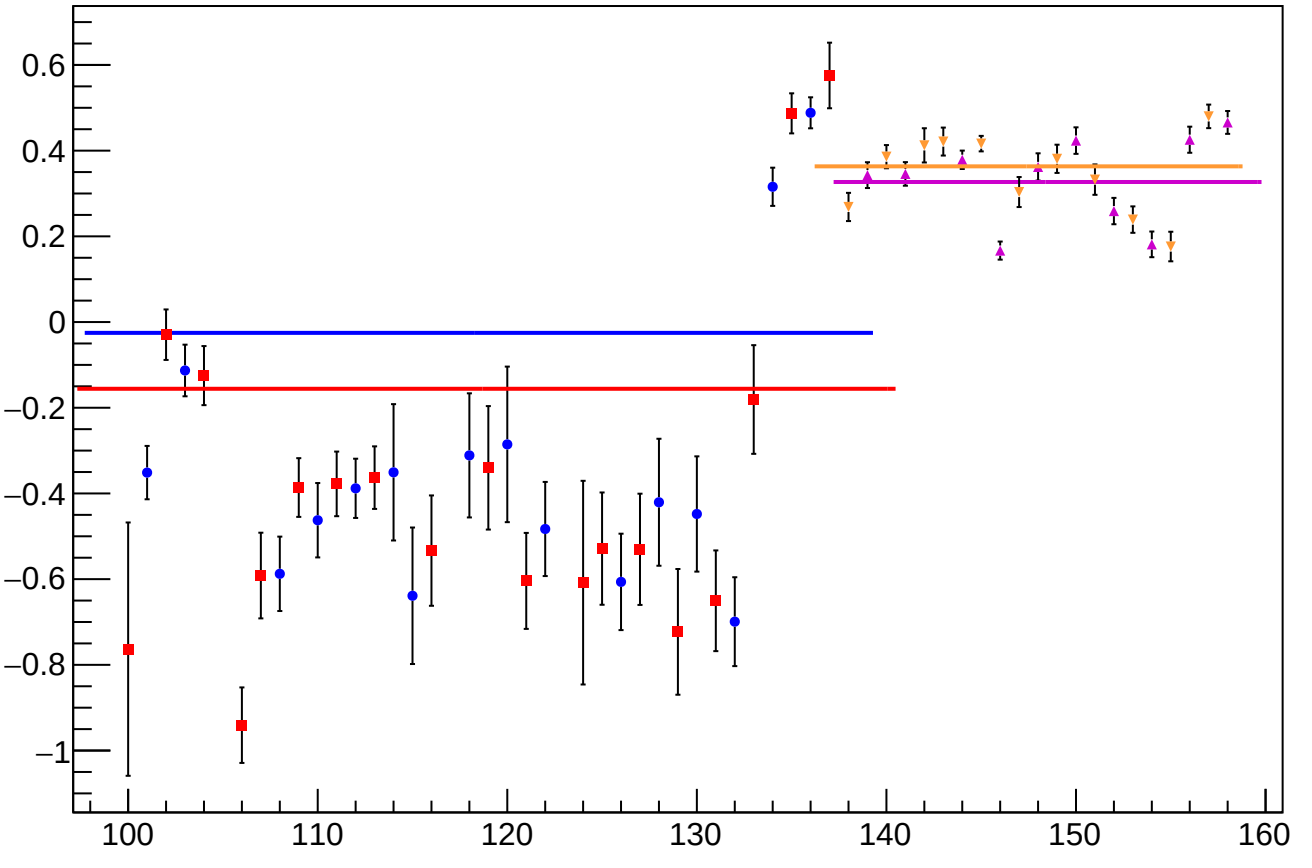
Left: 5.739+/-0.131 χ^2/NDF: 1130.8/20

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 6.030+/-0.160 χ^2/NDF:764.5/25

Out: 4.870+/-0.169 χ^2/NDF:1069.6/29

All: 5.481+/-0.116 χ^2/NDF: 1859.0/55



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.363+/-0.009 χ^2/NDF:89.9/10

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.327+/-0.009 χ^2/NDF:141.3/9

Left: 0.344+/-0.006 χ^2/NDF: 239.9/20

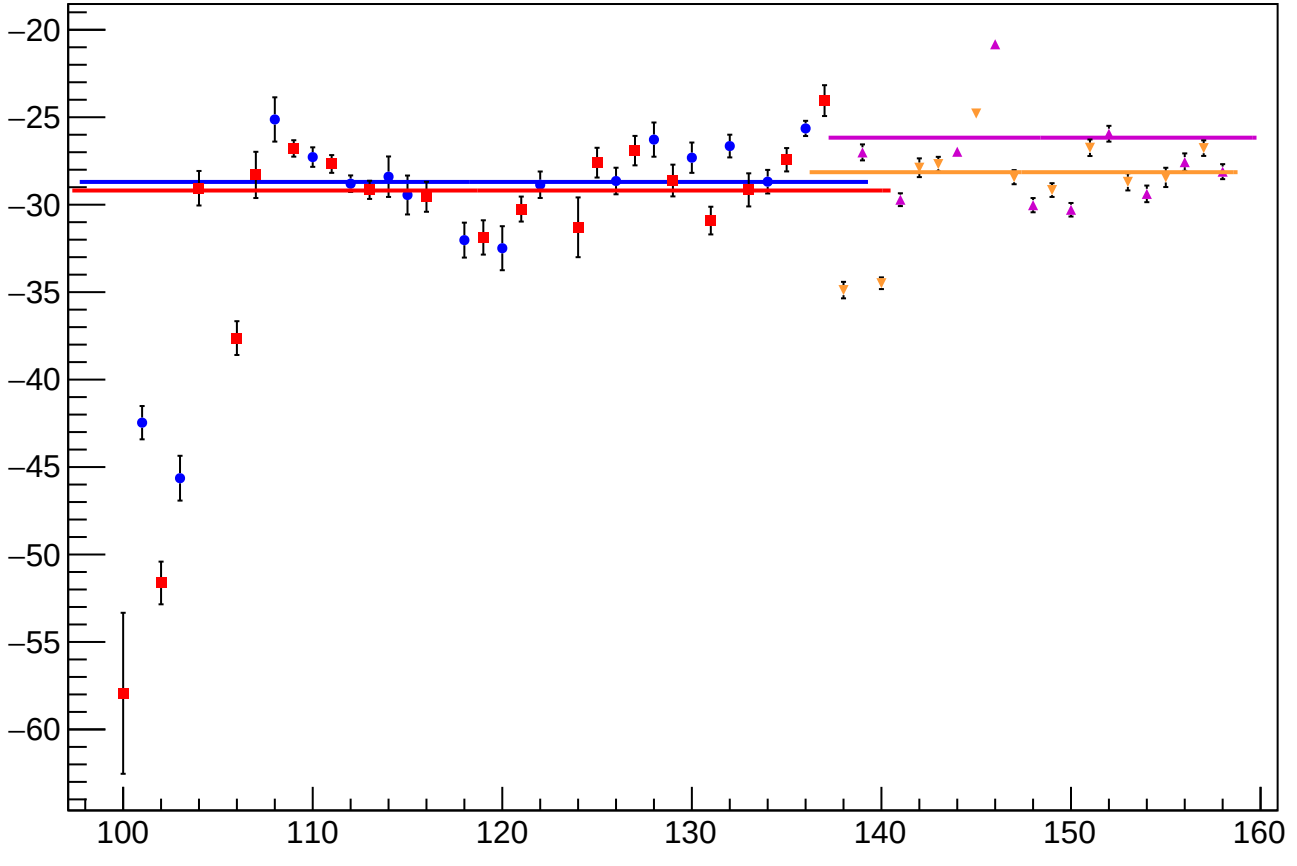
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.267+/-0.008 χ^2/NDF:940.3/25

Out: 0.279+/-0.008 χ^2/NDF:1137.5/29

All: 0.273+/-0.006 χ^2/NDF: 2078.9/55

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.142+/-0.114 χ^2/NDF:866.9/10

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -26.169+/-0.108 χ^2/NDF:1057.3/9

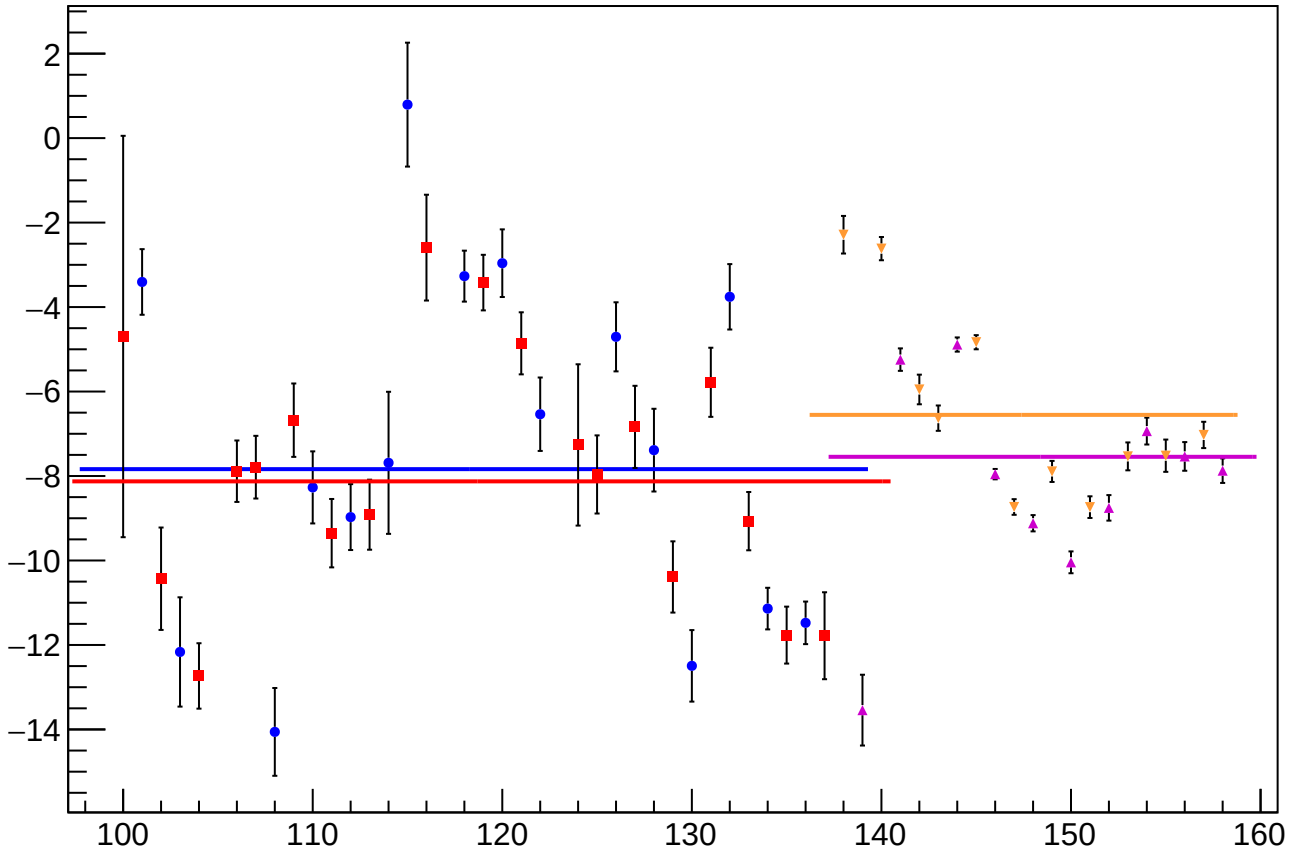
Left: -27.096+/-0.078 χ^2/NDF: 2082.3/20

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.803+/-0.093 χ^2/NDF:1683.3/25

Out: -28.440+/-0.097 χ^2/NDF:1448.1/29

All: -27.591+/-0.067 χ^2/NDF: 3280.1/55



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.553+/-0.079 χ^2/NDF:662.7/10

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.545+/-0.071 χ^2/NDF:567.7/9

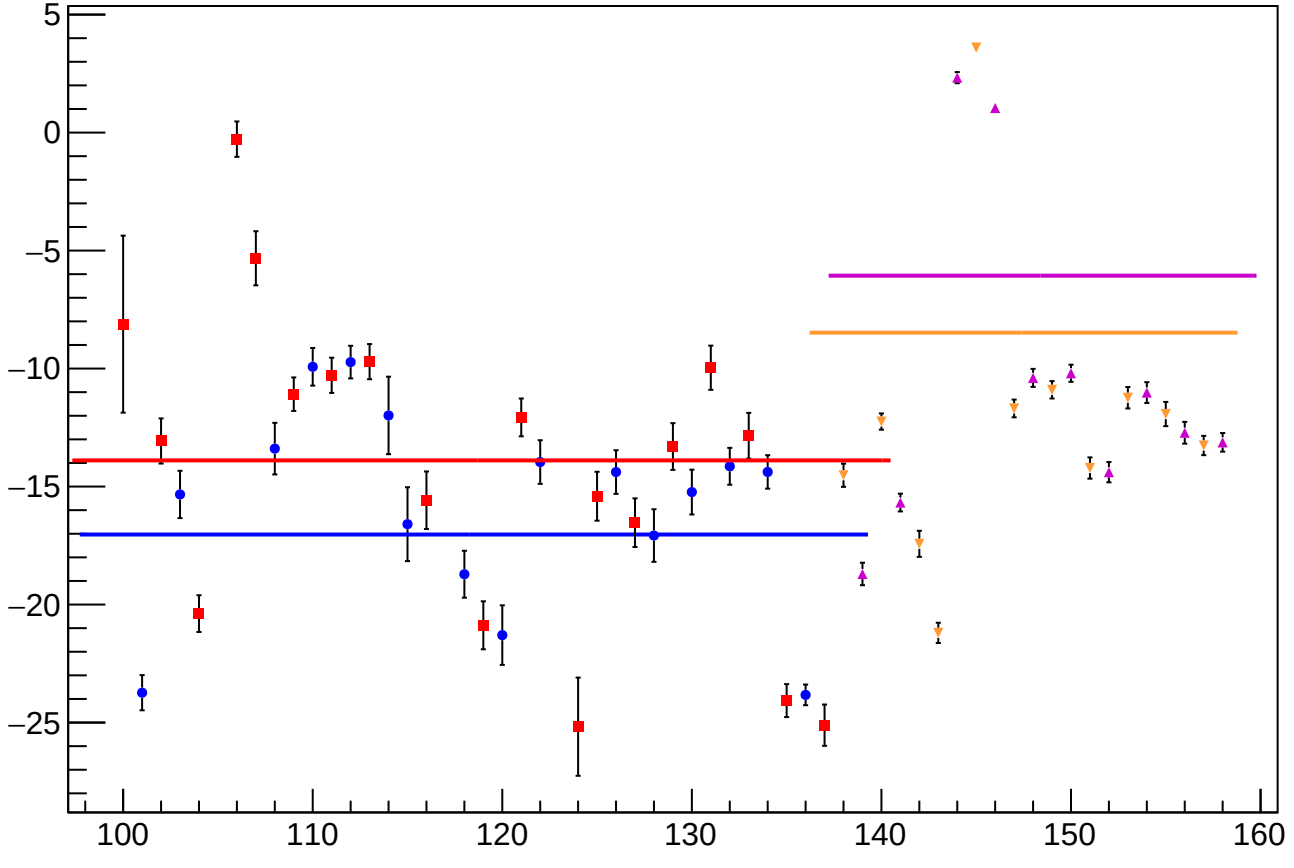
Left: -7.105+/-0.053 χ^2/NDF: 1318.1/20

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.579+/-0.066 χ^2/NDF:952.9/25

Out: -6.772+/-0.073 χ^2/NDF:915.2/29

All: -7.215+/-0.049 χ^2/NDF: 1934.7/55



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.478+/-0.113 χ^2/NDF:5282.1/10

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -6.064+/-0.105 χ^2/NDF:5198.7/9

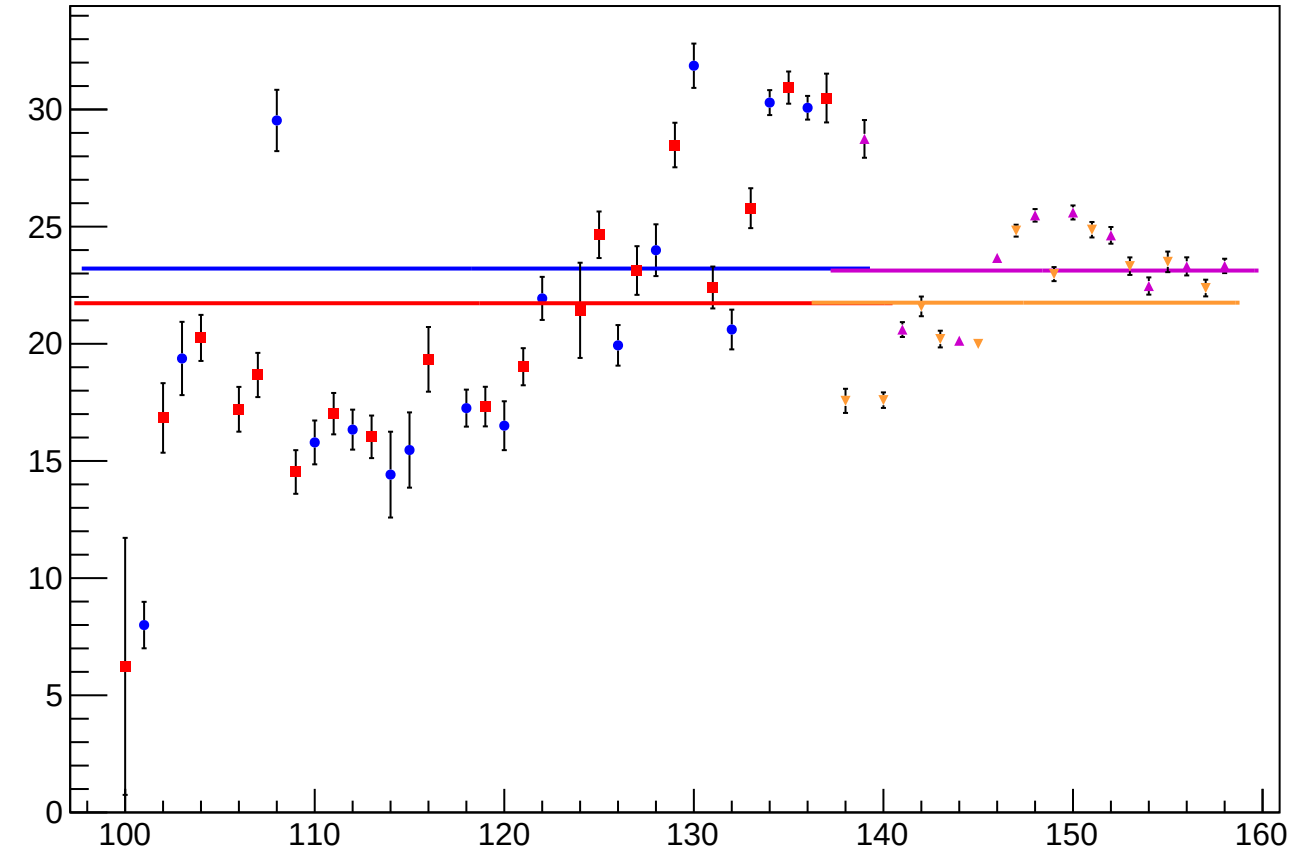
Left: -7.181+/-0.077 χ^2/NDF: 10726.5/20

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -8.261+/-0.094 χ^2/NDF:7994.7/25

Out: -9.698+/-0.099 χ^2/NDF:6817.7/29

All: -8.938+/-0.068 χ^2/NDF: 14923.1/55



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.755+/-0.096 χ^2/NDF:614.9/10

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.126+/-0.085 χ^2/NDF:521.8/9

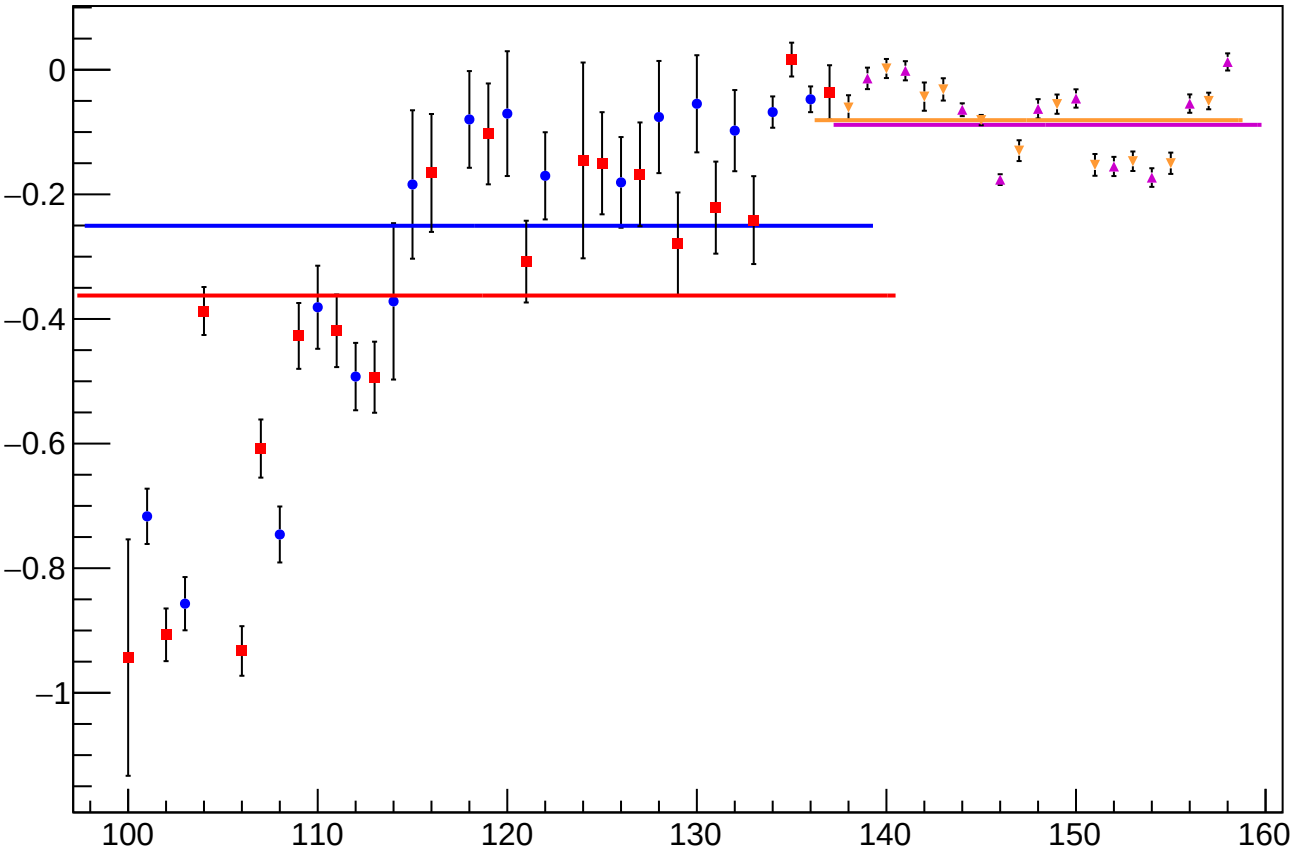
Left: 22.517+/-0.064 χ^2/NDF: 1251.2/20

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.137+/-0.080 χ^2/NDF:1530.1/25

Out: 21.751+/-0.088 χ^2/NDF:1173.2/29

All: 22.513+/-0.059 χ^2/NDF: 2840.0/55



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.081+/-0.004 χ^2/NDF:108.4/10

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.088+/-0.004 χ^2/NDF:280.7/9

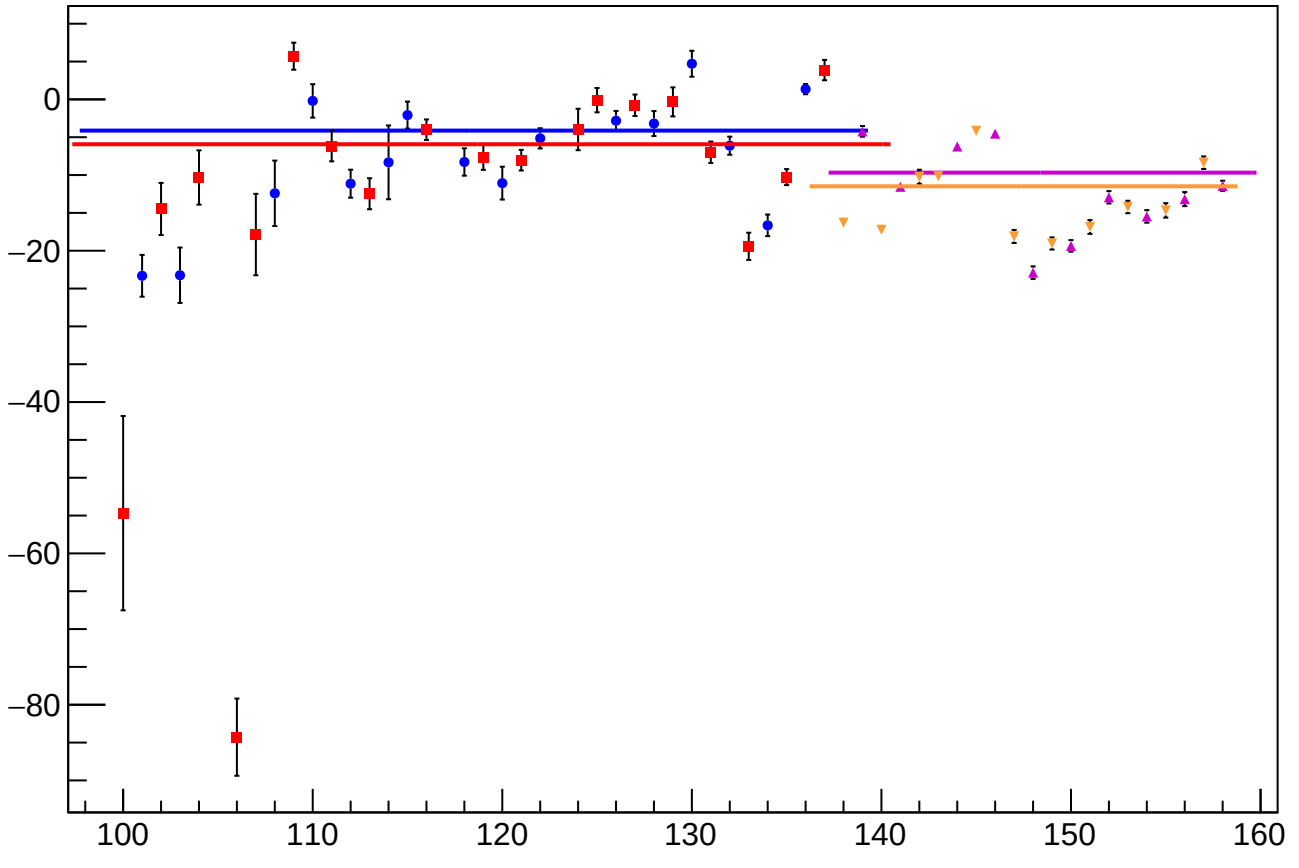
Left: -0.085+/-0.003 χ^2/NDF: 390.6/20

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.107+/-0.004 χ^2/NDF:1085.5/25

Out: -0.113+/-0.004 χ^2/NDF:1272.8/29

All: -0.110+/-0.003 χ^2/NDF: 2359.5/55



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.488+/-0.202 χ^2/NDF:784.4/10

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.681+/-0.197 χ^2/NDF:797.3/9

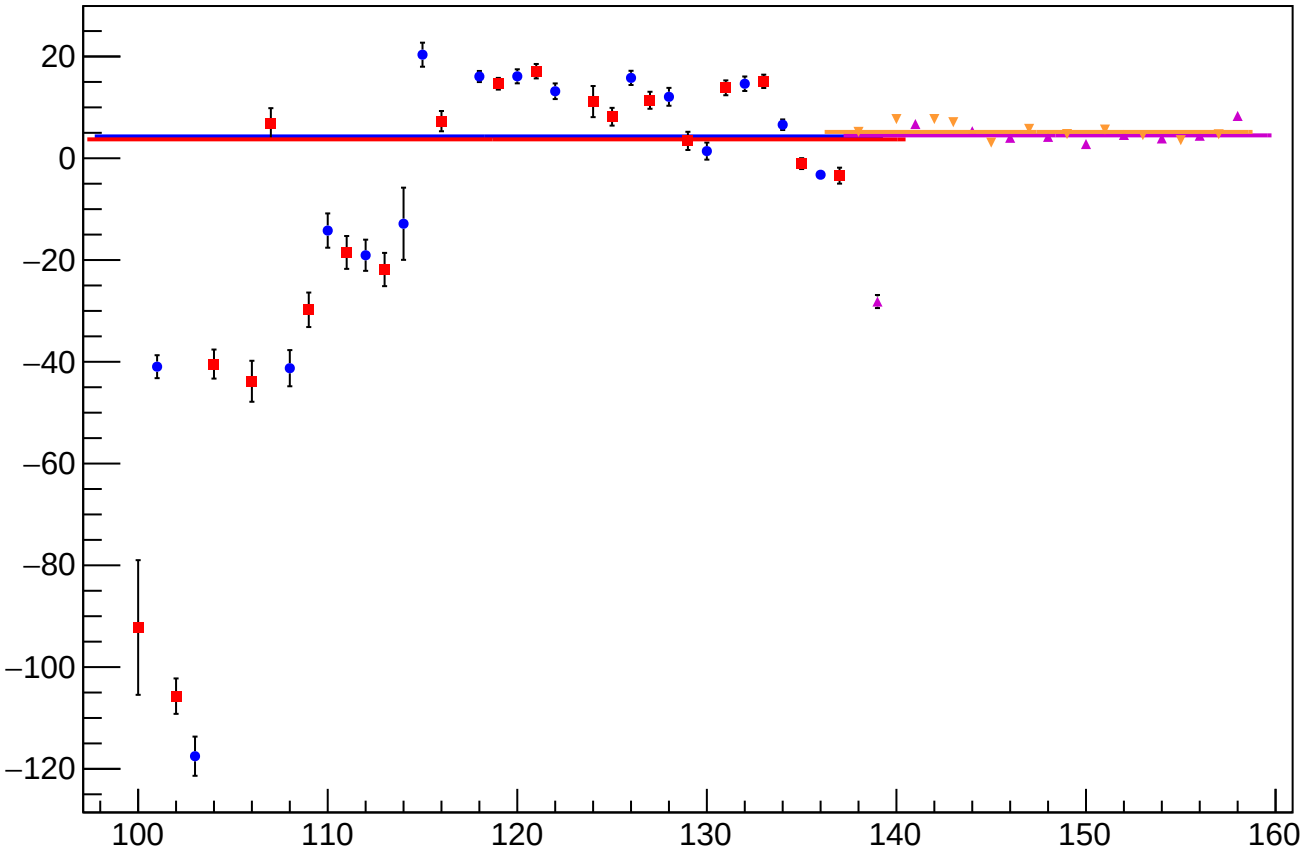
Left: -10.560+/-0.141 χ^2/NDF: 1622.6/20

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -8.512+/-0.175 χ^2/NDF:1252.5/25

Out: -10.390+/-0.181 χ^2/NDF:1416.2/29

All: -9.419+/-0.126 χ^2/NDF: 2724.2/55



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.178+/-0.144 χ^2/NDF:124.9/10

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.499+/-0.133 χ^2/NDF:762.1/9

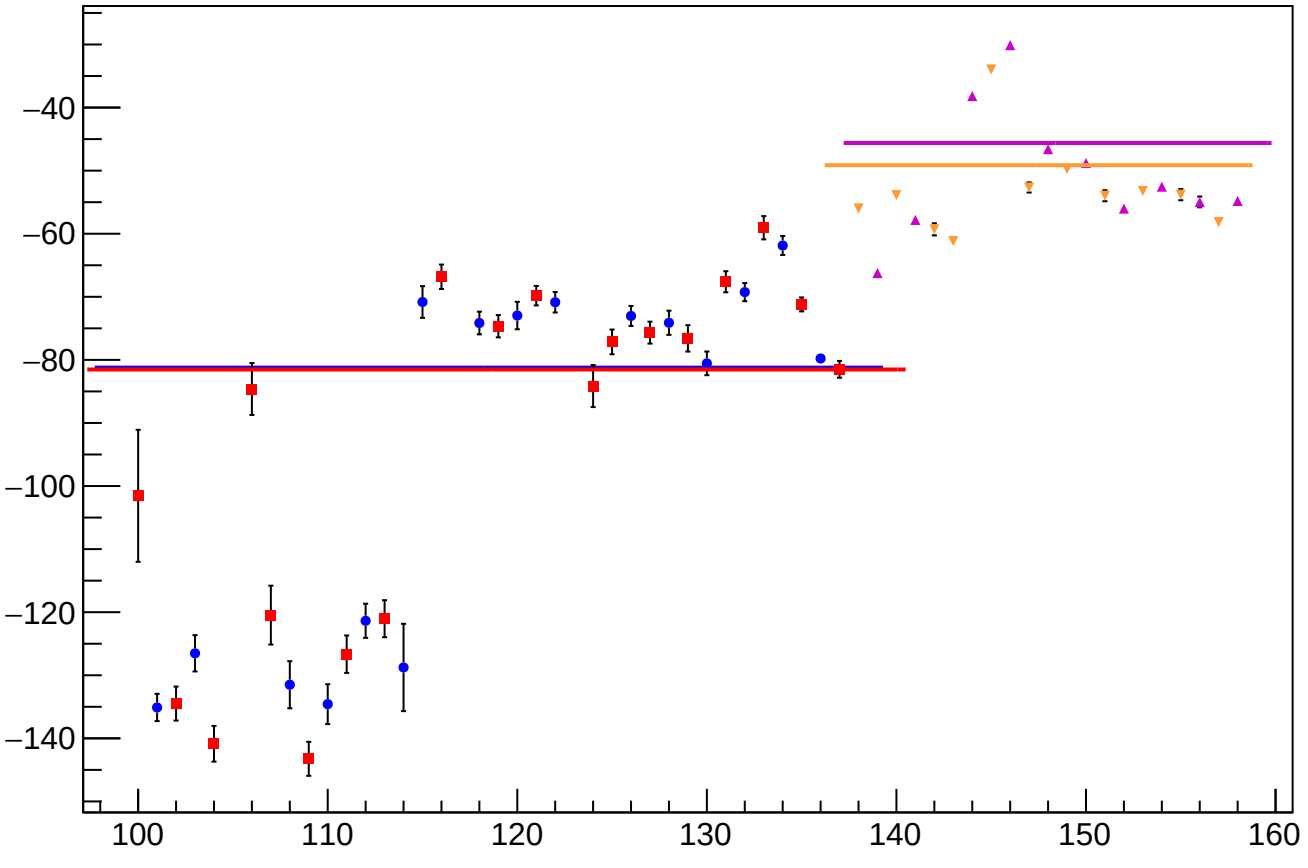
Left: 4.813+/-0.098 χ^2/NDF: 899.1/20

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.477+/-0.126 χ^2/NDF:2931.5/25

Out: 5.027+/-0.136 χ^2/NDF:2142.9/29

All: 4.730+/-0.092 χ^2/NDF: 5083.2/55



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -49.136+/-0.201 χ^2/NDF:2446.3/10

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -45.614+/-0.192 χ^2/NDF:3607.5/9

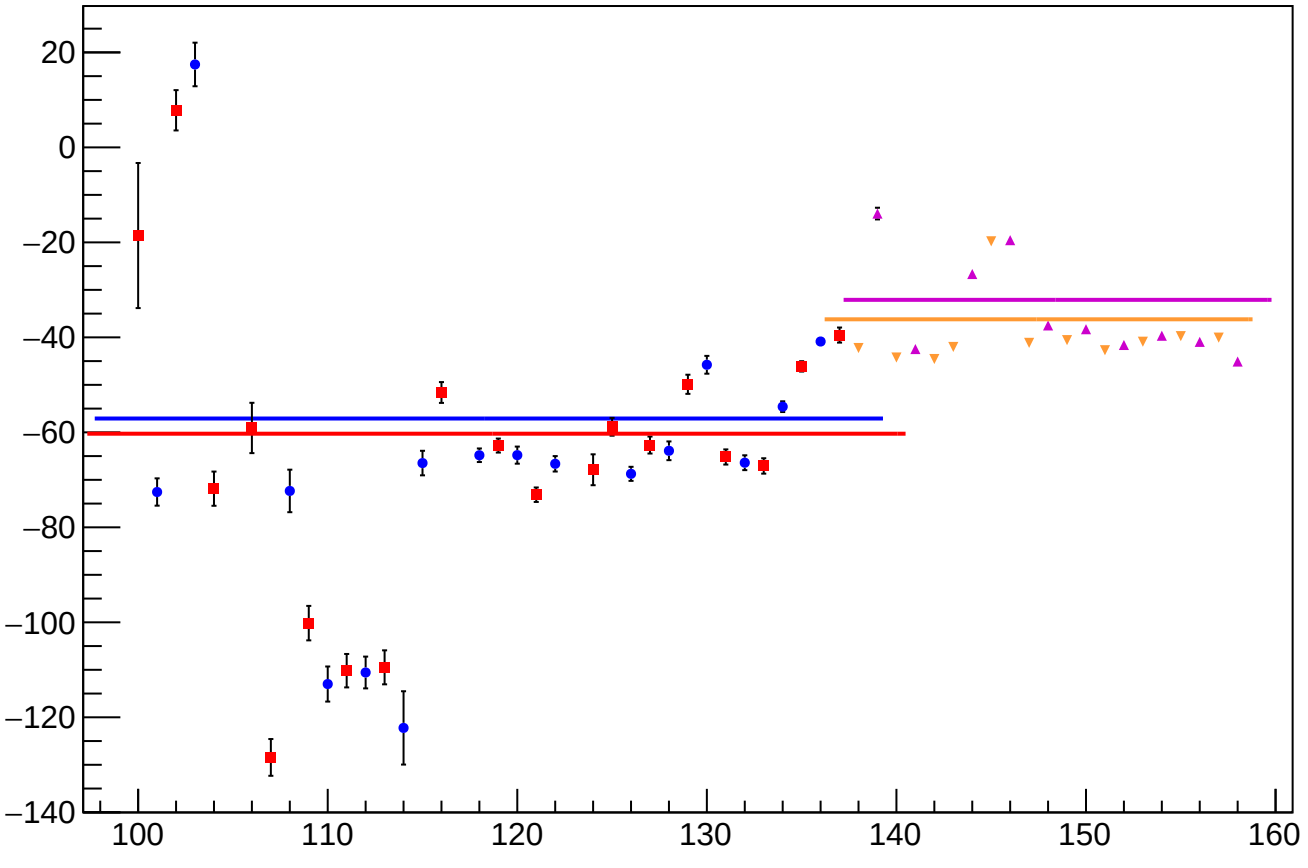
Left: -47.294+/-0.139 χ^2/NDF: 6213.7/20

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.869+/-0.175 χ^2/NDF:11597.6/25

Out: -54.316+/-0.185 χ^2/NDF:8874.9/29

All: -53.025+/-0.127 χ^2/NDF: 20565.2/55



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -36.199+/-0.172 χ^2/NDF:3196.3/10

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -32.100+/-0.159 χ^2/NDF:3899.1/9

Left: -33.988+/-0.117 χ^2/NDF: 7401.0/20

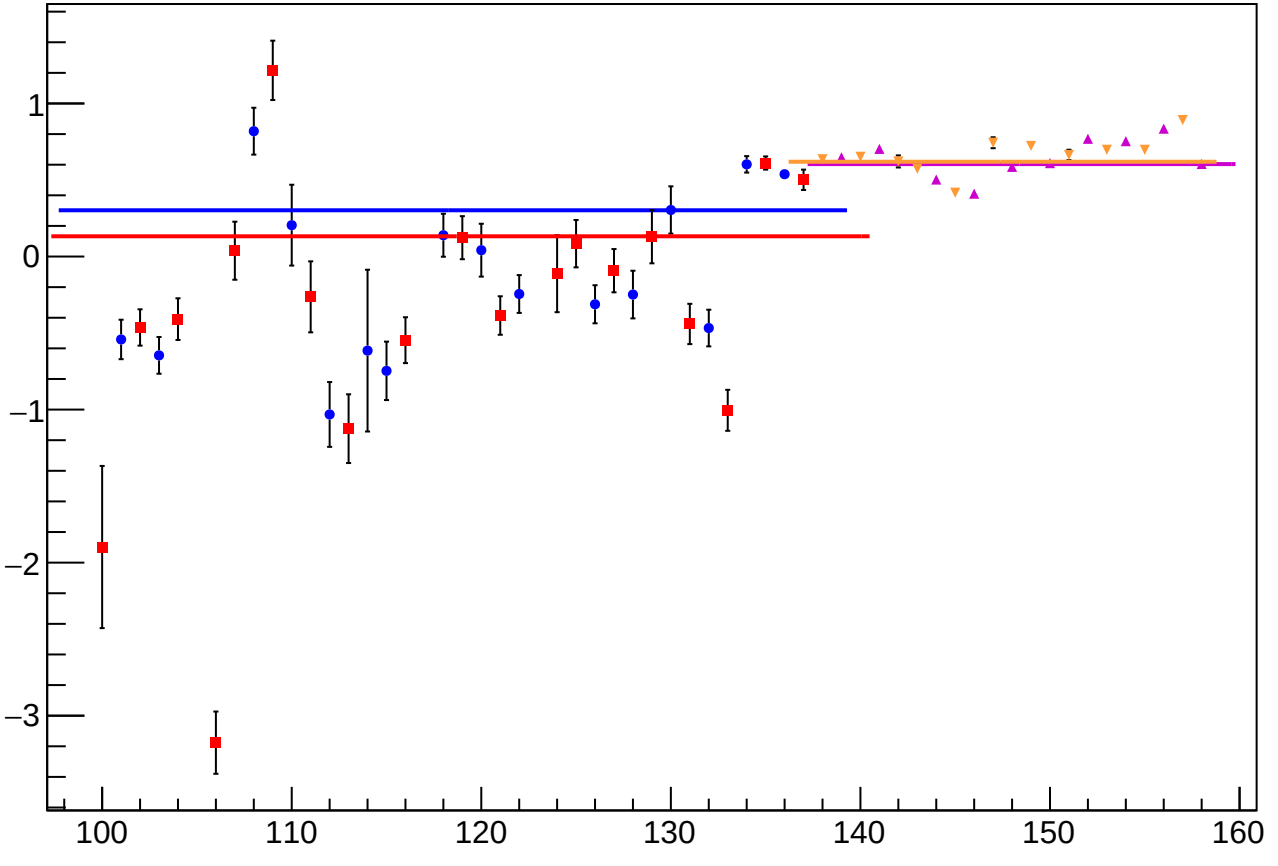
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -35.163+/-0.149 χ^2/NDF:8448.9/25

Out: -39.051+/-0.162 χ^2/NDF:7099.6/29

All: -36.949+/-0.110 χ^2/NDF: 15861.0/55

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: 0.619+/-0.008 χ^2/NDF:346.1/10

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.604+/-0.008 χ^2/NDF:312.3/9

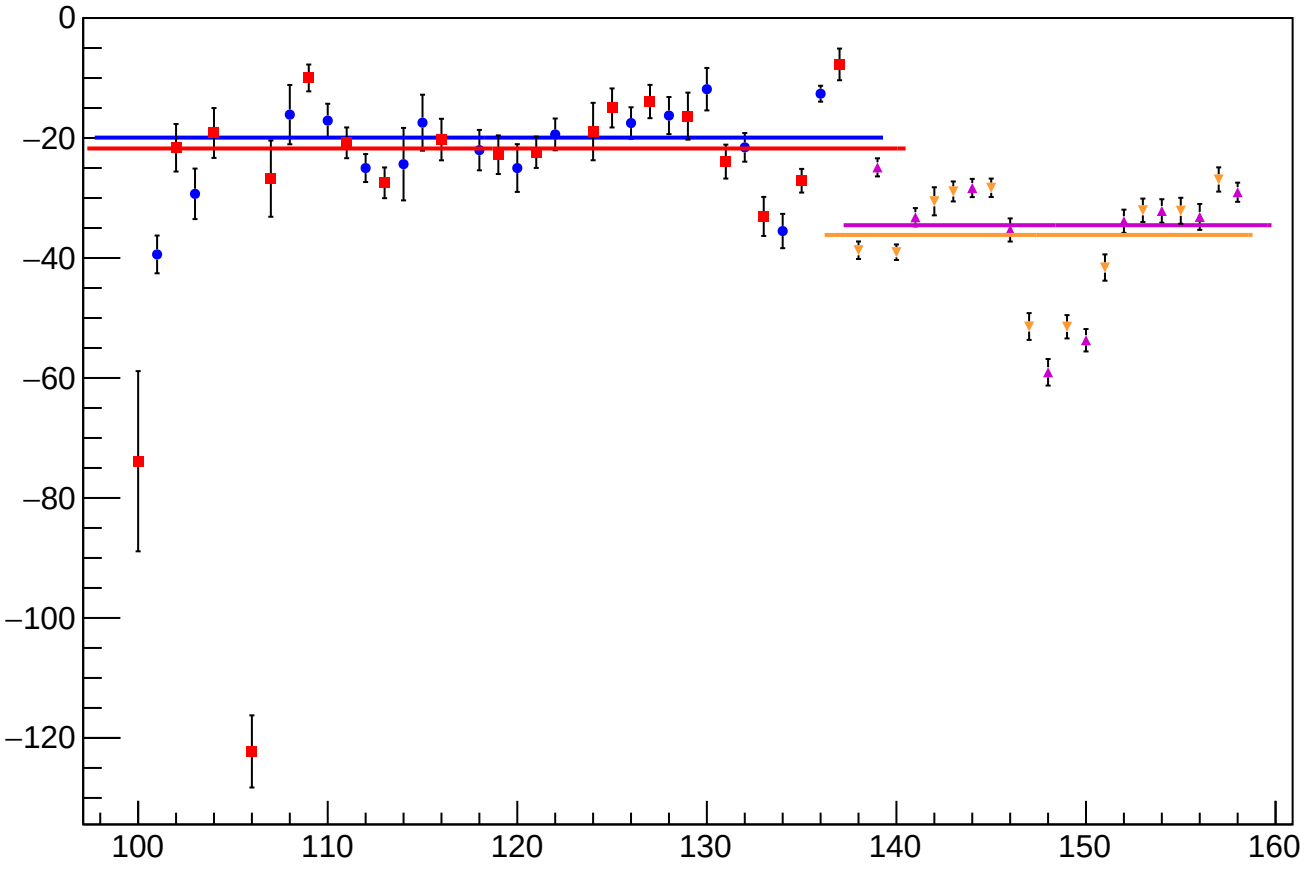
Left: 0.611+/-0.005 χ^2/NDF: 660.3/20

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.574+/-0.007 χ^2/NDF:843.0/25

Out: 0.579+/-0.008 χ^2/NDF:1328.8/29

All: 0.577+/-0.005 χ^2/NDF: 2172.0/55



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -36.153+/-0.540 χ^2/NDF:202.7/10

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -34.533+/-0.560 χ^2/NDF:300.4/9

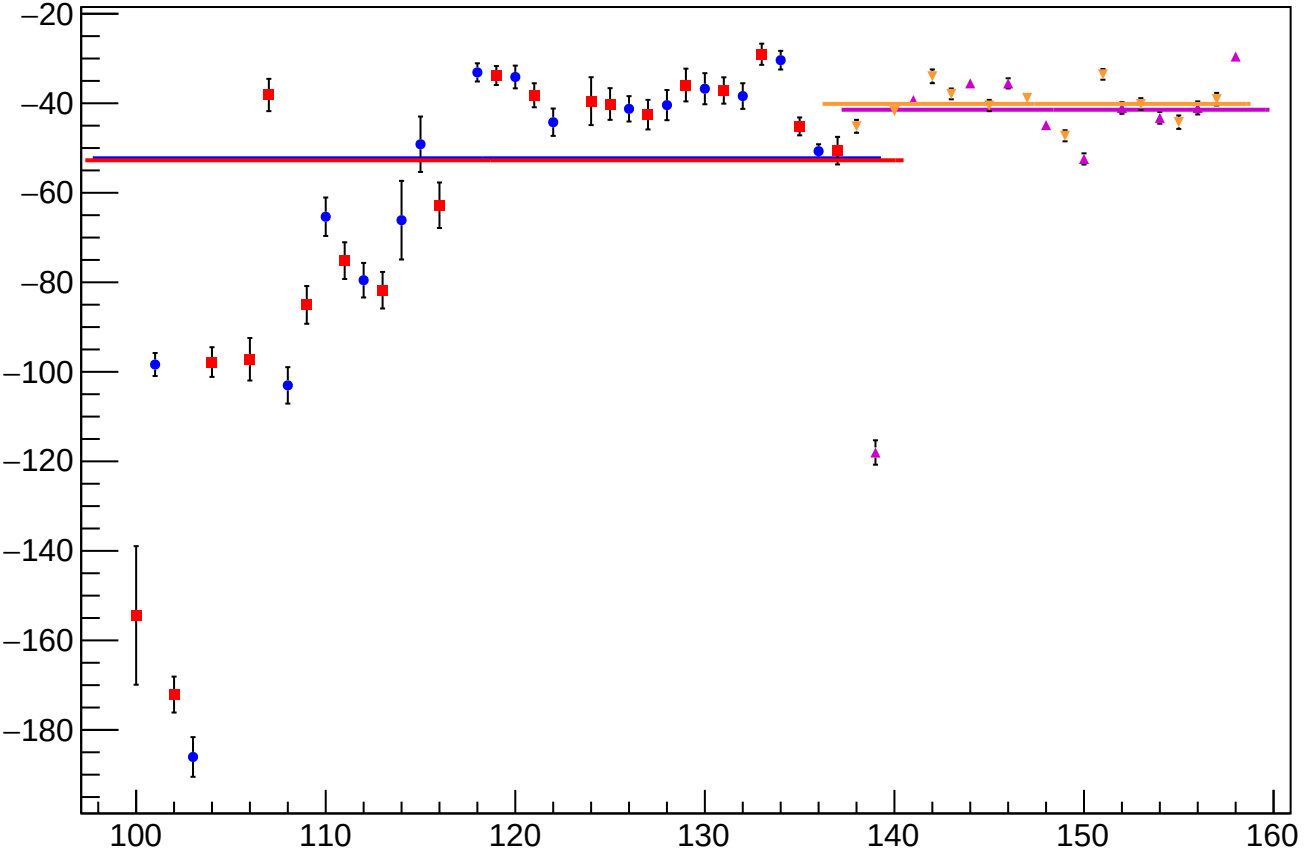
Left: -35.372+/-0.389 χ^2/NDF: 507.4/20

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.790+/-0.436 χ^2/NDF:688.7/25

Out: -30.905+/-0.431 χ^2/NDF:850.1/29

All: -29.860+/-0.306 χ^2/NDF: 1550.8/55



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -40.134+/-0.381 χ^2/NDF:107.1/10

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -41.444+/-0.391 χ^2/NDF:1056.3/9

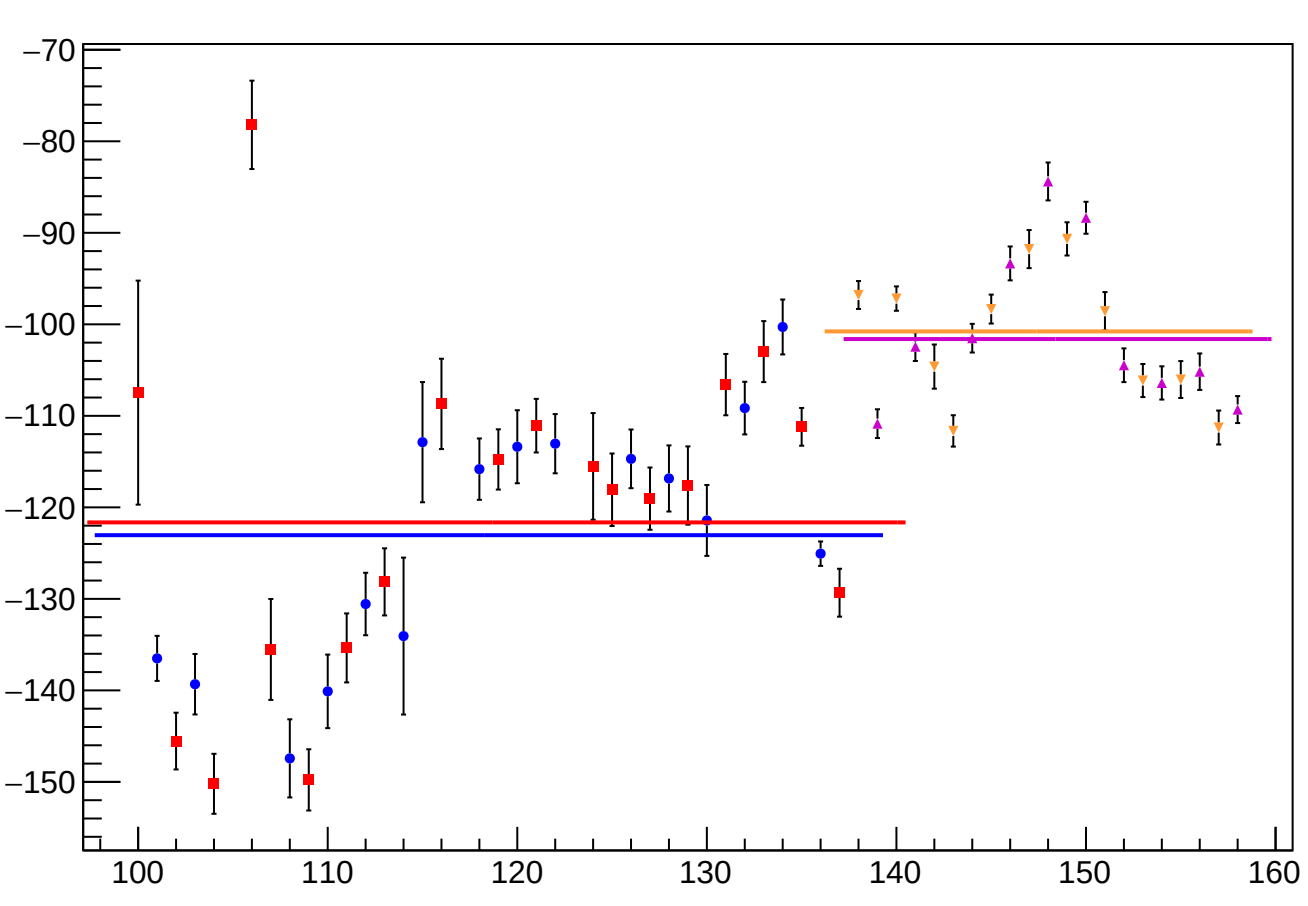
Left: -40.771+/-0.273 χ^2/NDF: 1169.1/20

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -43.984+/-0.343 χ^2/NDF:3014.4/25

Out: -42.728+/-0.339 χ^2/NDF:1994.9/29

All: -43.350+/-0.241 χ^2/NDF: 5016.1/55



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -100.775+/-0.534 χ^2/NDF:157.8/10

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -101.610+/-0.544 χ^2/NDF:221.6/9

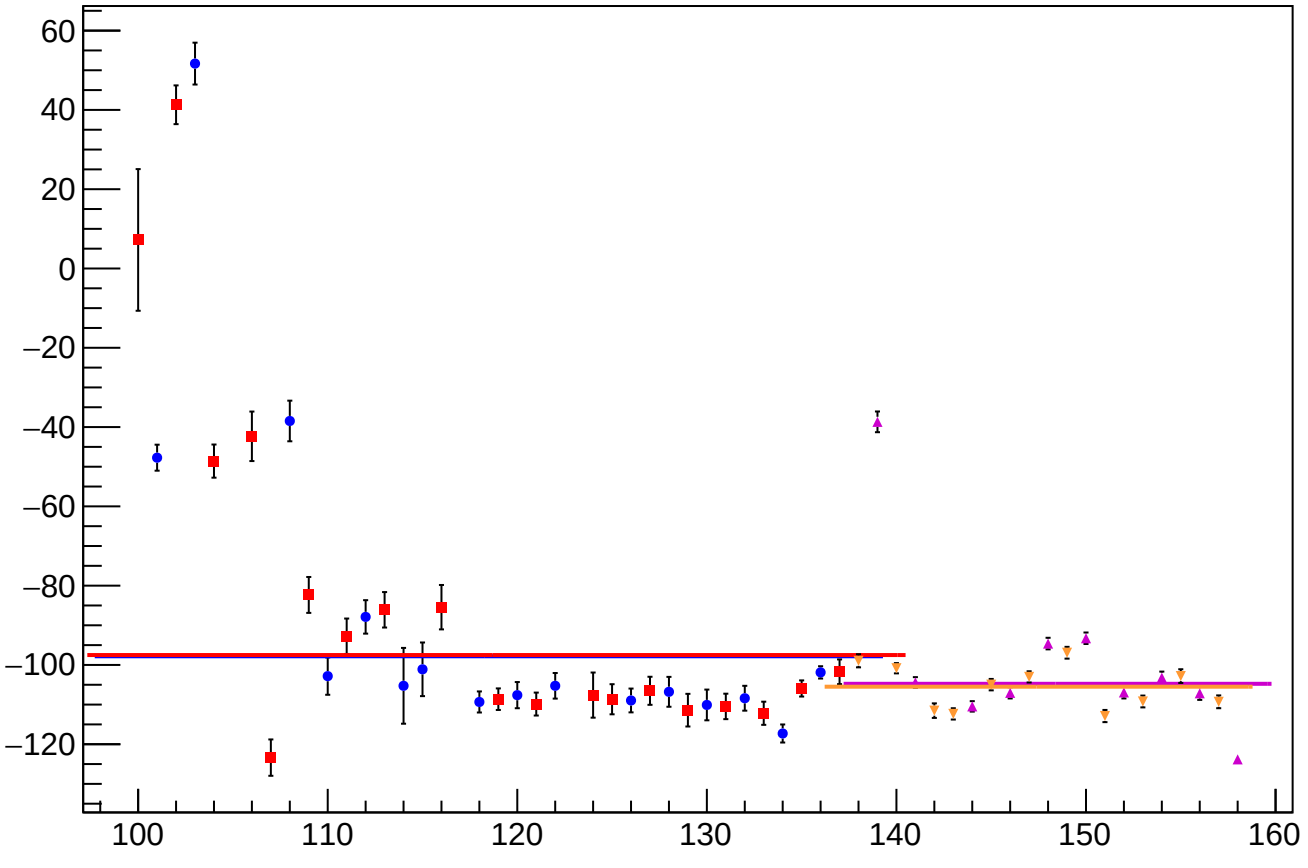
Left: -101.185+/-0.381 χ^2/NDF: 380.6/20

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -108.992+/-0.440 χ^2/NDF:983.5/25

Out: -107.186+/-0.444 χ^2/NDF:1052.4/29

All: -108.097+/-0.313 χ^2/NDF: 2044.3/55



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -105.489+/-0.458 χ^2/NDF:136.3/10

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -104.758+/-0.460 χ^2/NDF:1053.6/9

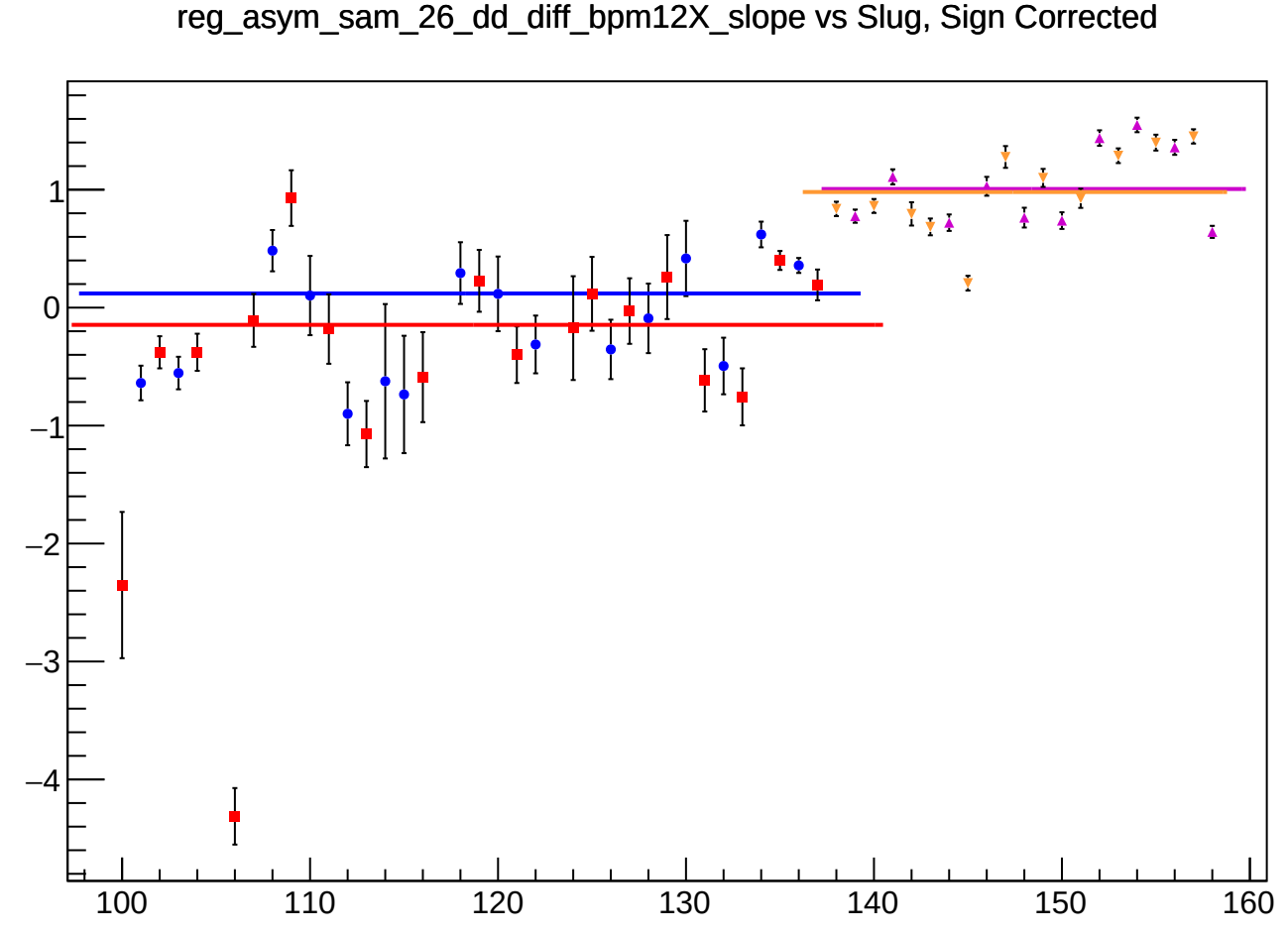
Left: -105.126+/-0.325 χ^2/NDF: 1191.2/20

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -103.008+/-0.398 χ^2/NDF:2441.8/25

Out: -103.670+/-0.402 χ^2/NDF:1442.0/29

All: -103.336+/-0.283 χ^2/NDF: 3885.2/55



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.980+/-0.021 χ^2/NDF:319.4/10

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.006+/-0.020 χ^2/NDF:260.6/9

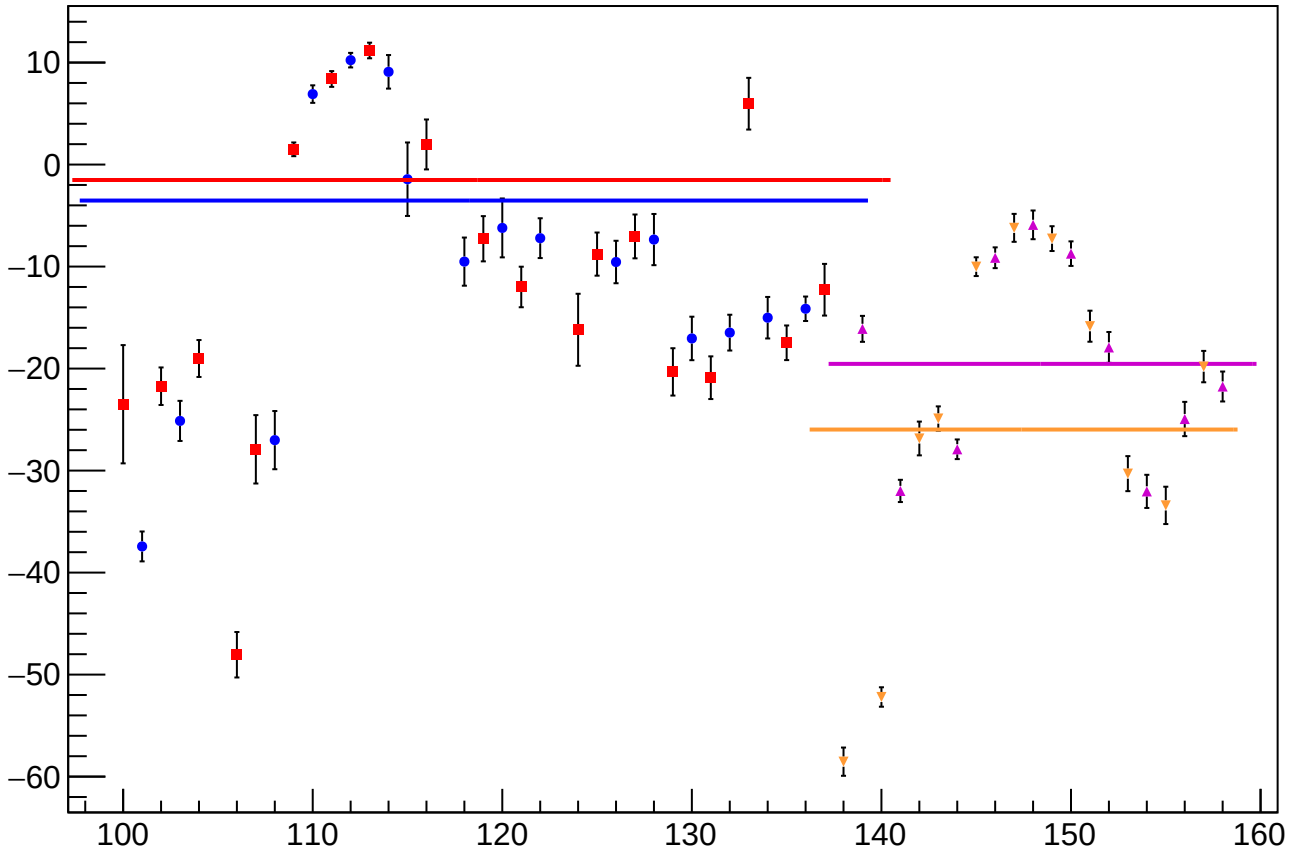
Left: 0.993+/-0.015 χ^2/NDF: 580.8/20

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.831+/-0.018 χ^2/NDF:754.8/25

Out: 0.780+/-0.019 χ^2/NDF:1258.3/29

All: 0.806+/-0.013 χ^2/NDF: 2016.8/55



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -25.976+/-0.390 χ^2/NDF:2140.1/10

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -19.539+/-0.397 χ^2/NDF:565.0/9

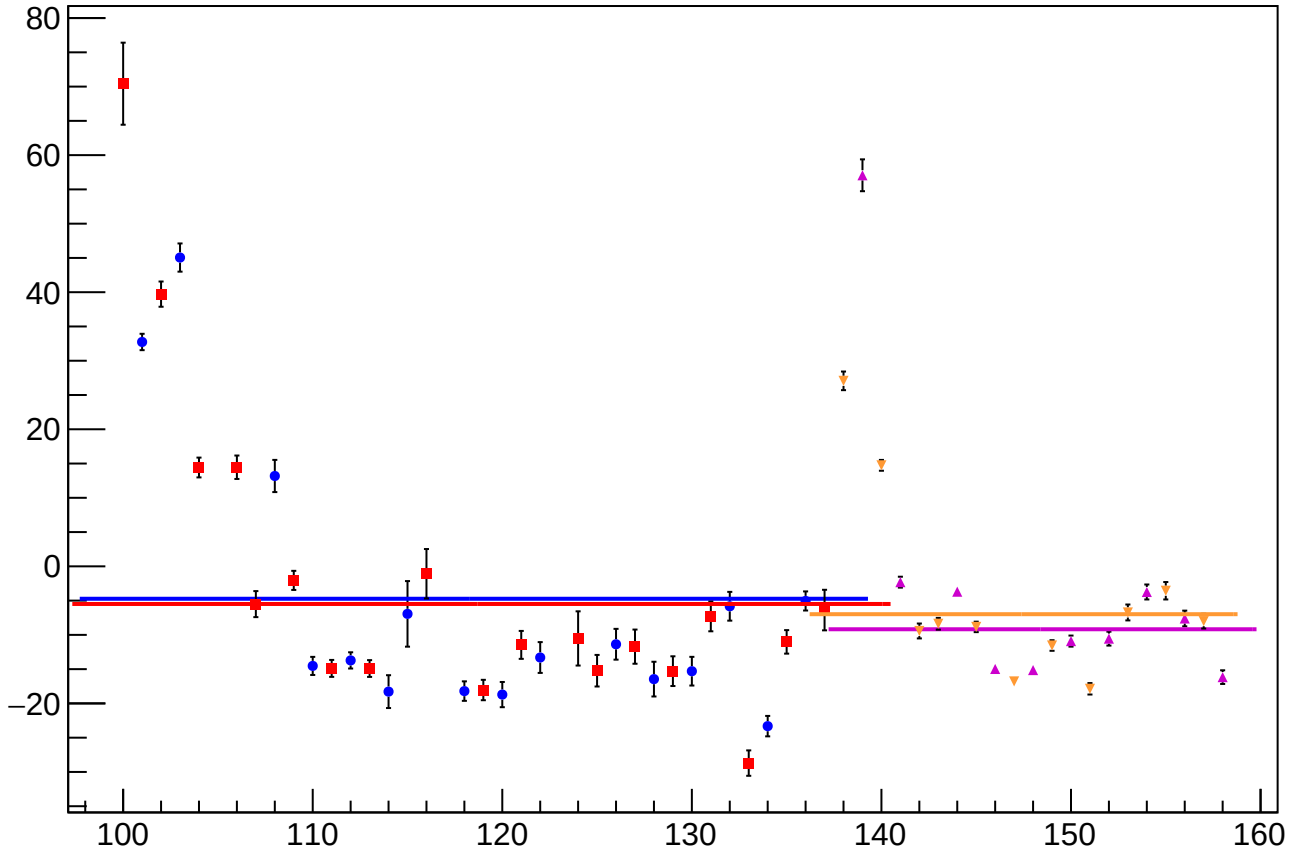
Left: -22.819+/-0.278 χ^2/NDF: 2838.8/20

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -11.105+/-0.273 χ^2/NDF:2948.9/25

Out: -12.023+/-0.256 χ^2/NDF:5909.4/29

All: -11.595+/-0.187 χ^2/NDF: 8864.3/55



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.982+/-0.269 χ^2/NDF:1848.4/10

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -9.181+/-0.270 χ^2/NDF:1196.7/9

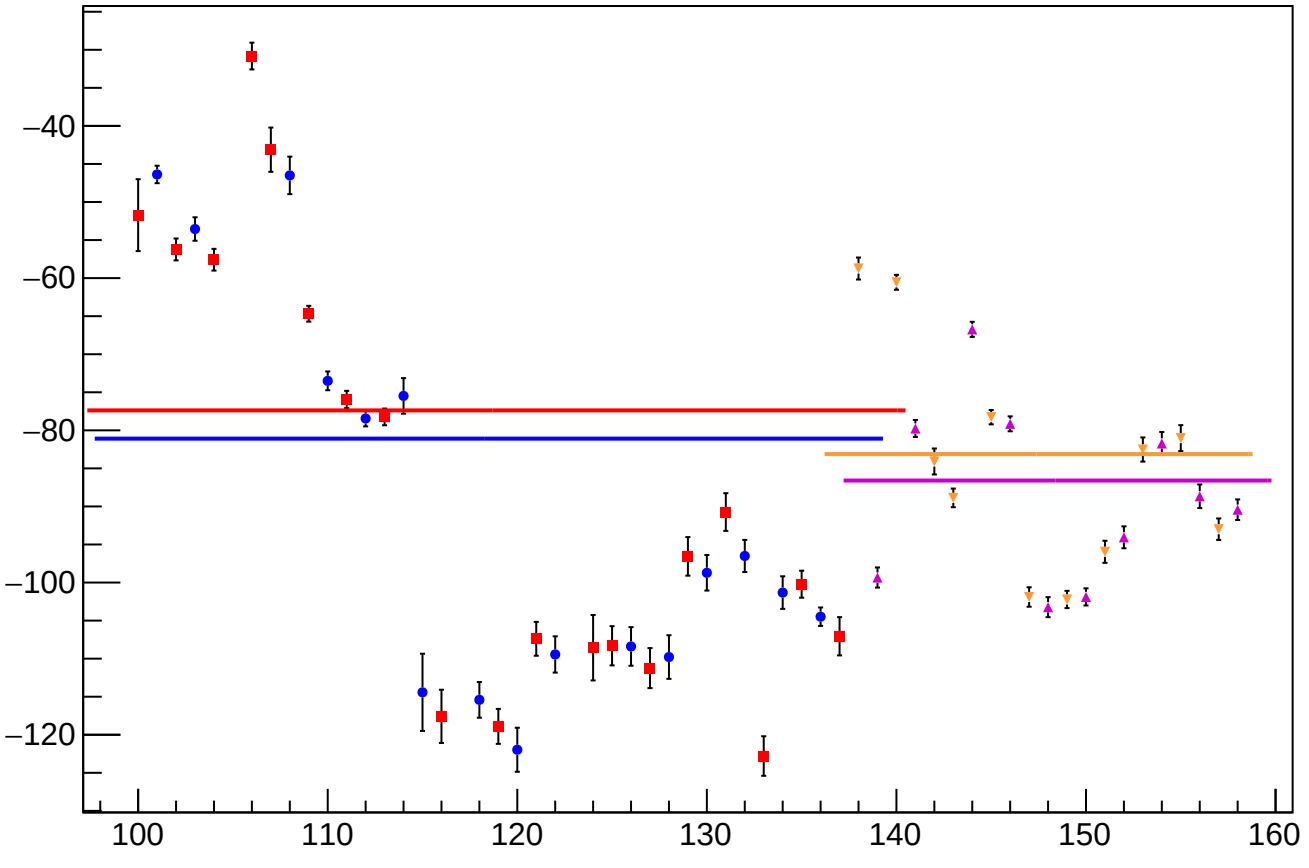
Left: -8.077+/-0.190 χ^2/NDF: 3078.5/20

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.928+/-0.229 χ^2/NDF:3421.4/25

Out: -6.552+/-0.227 χ^2/NDF:3365.9/29

All: -7.234+/-0.161 χ^2/NDF: 6805.5/55



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -83.119+/-0.385 χ^2/NDF:1491.0/10

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -86.596+/-0.387 χ^2/NDF:979.3/9

Left: -84.847+/-0.273 χ^2/NDF: 2510.9/20

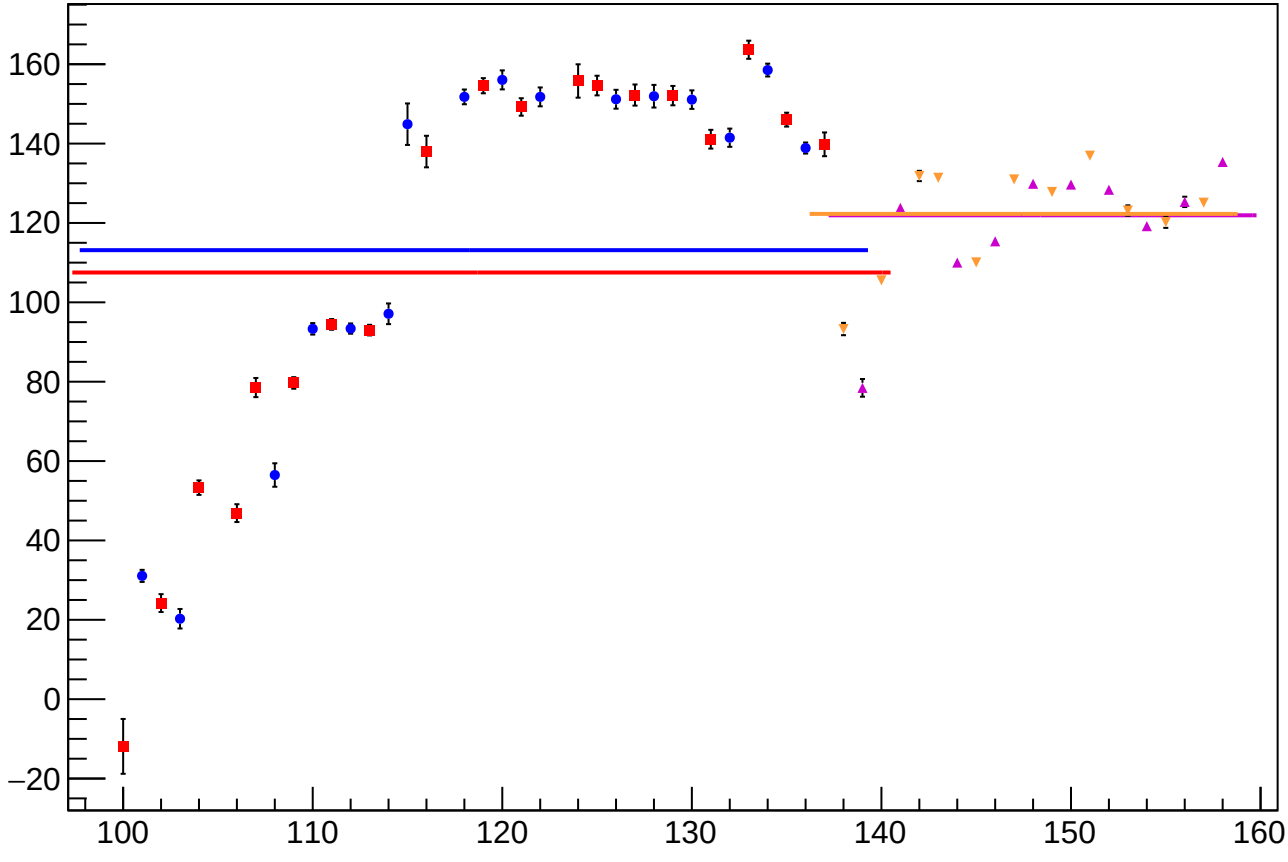
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -84.185+/-0.290 χ^2/NDF:3938.2/25

Out: -80.479+/-0.283 χ^2/NDF:4723.0/29

All: -82.284+/-0.202 χ^2/NDF: 8745.0/55

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.281+/-0.325 χ^2/NDF:1319.3/10

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 121.930+/-0.323 χ^2/NDF:1008.0/9

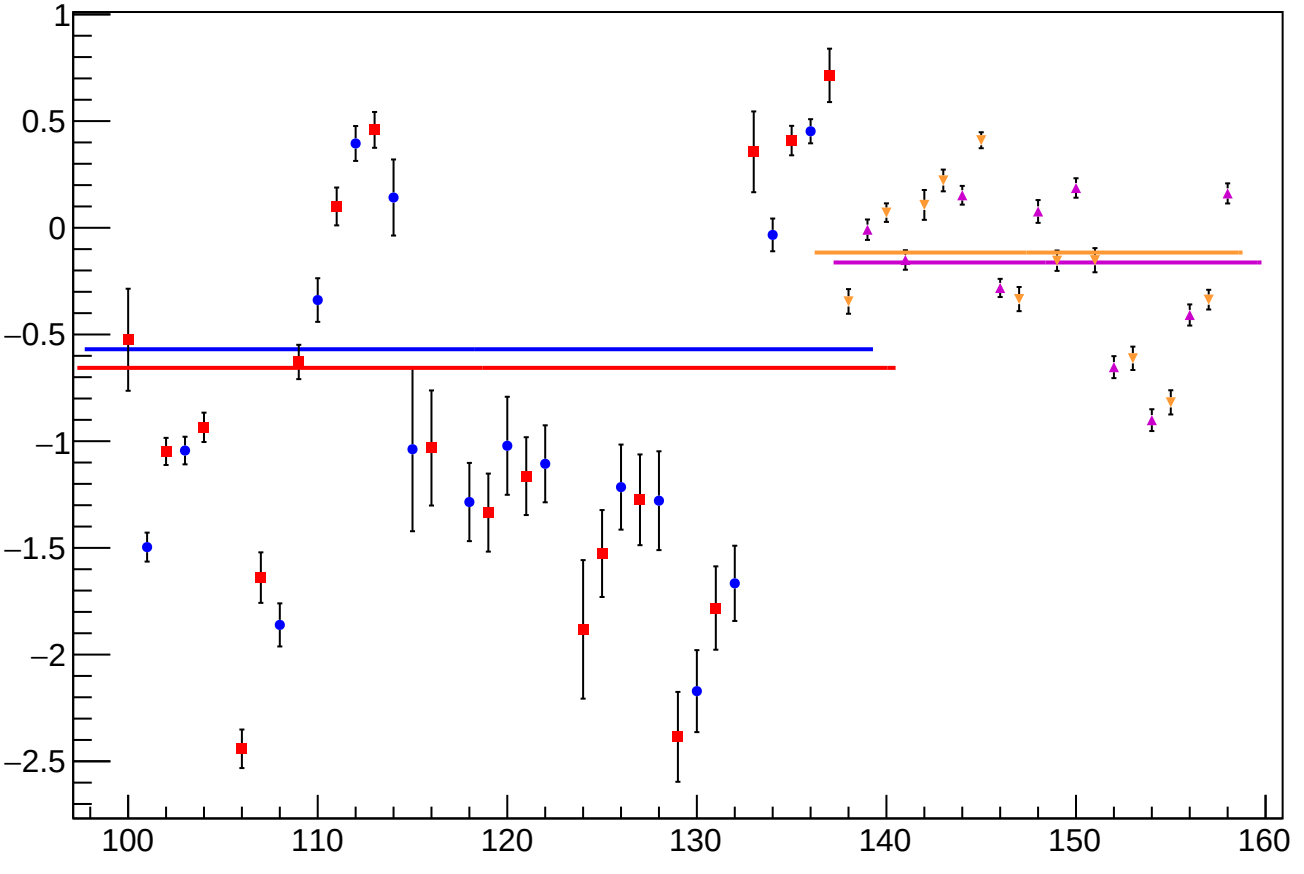
Left: 122.104+/-0.229 χ^2/NDF: 2327.9/20

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 119.266+/-0.269 χ^2/NDF:9437.1/25

Out: 117.626+/-0.269 χ^2/NDF:9513.1/29

All: 118.446+/-0.190 χ^2/NDF: 18968.7/55



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.116+/-0.015 χ^2/NDF:560.2/10

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.163+/-0.015 χ^2/NDF:519.9/9

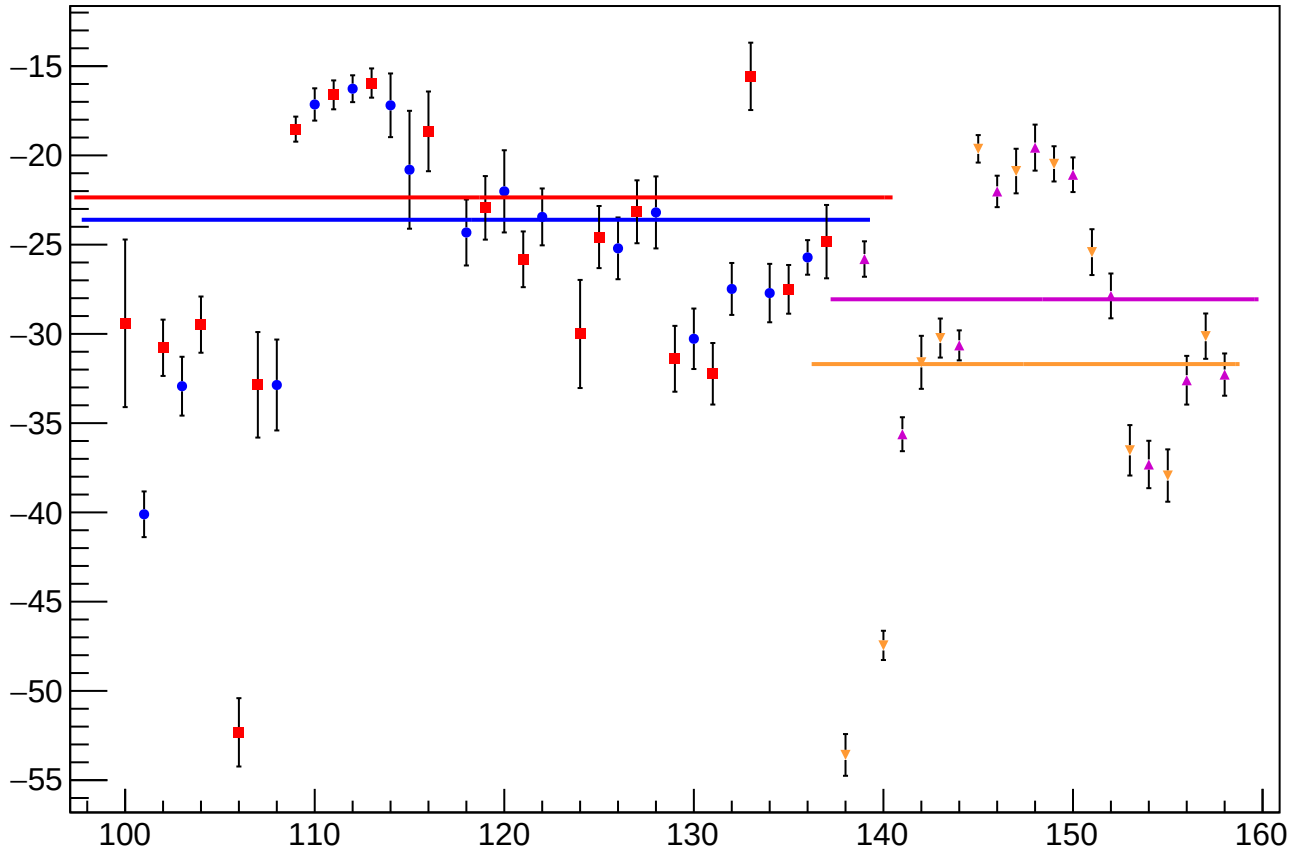
Left: -0.140+/-0.011 χ^2/NDF: 1084.8/20

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.265+/-0.013 χ^2/NDF:1802.9/25

Out: -0.261+/-0.013 χ^2/NDF:2212.0/29

All: -0.263+/-0.009 χ^2/NDF: 4015.0/55



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.691+/-0.332 χ^2/NDF:1226.9/10

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -28.062+/-0.334 χ^2/NDF:292.3/9

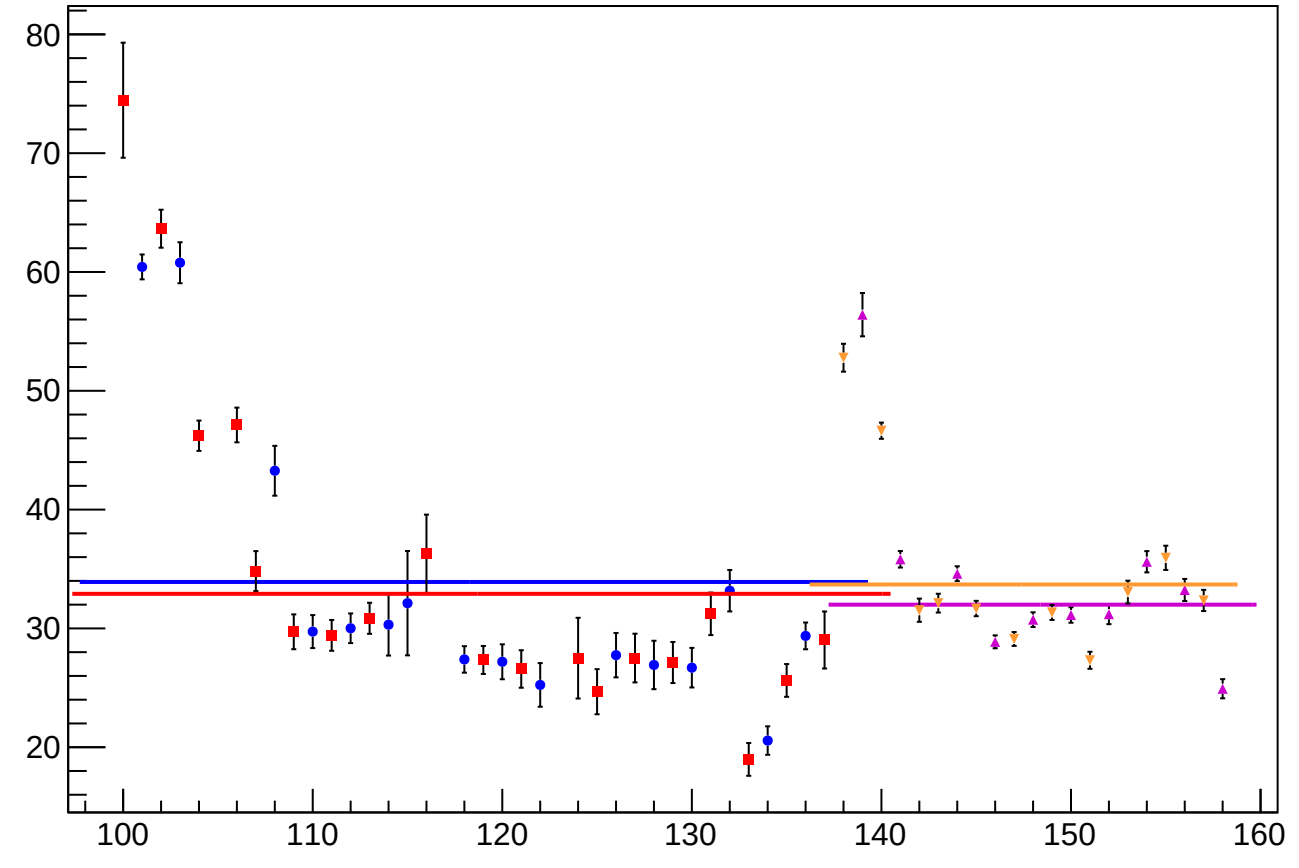
Left: -29.888+/-0.236 χ^2/NDF: 1578.5/20

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.925+/-0.241 χ^2/NDF:783.8/25

Out: -26.872+/-0.231 χ^2/NDF:2186.1/29

All: -26.419+/-0.167 χ^2/NDF: 2978.0/55



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.697+/-0.232 χ^2/NDF:806.0/10

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 31.998+/-0.232 χ^2/NDF:362.1/9

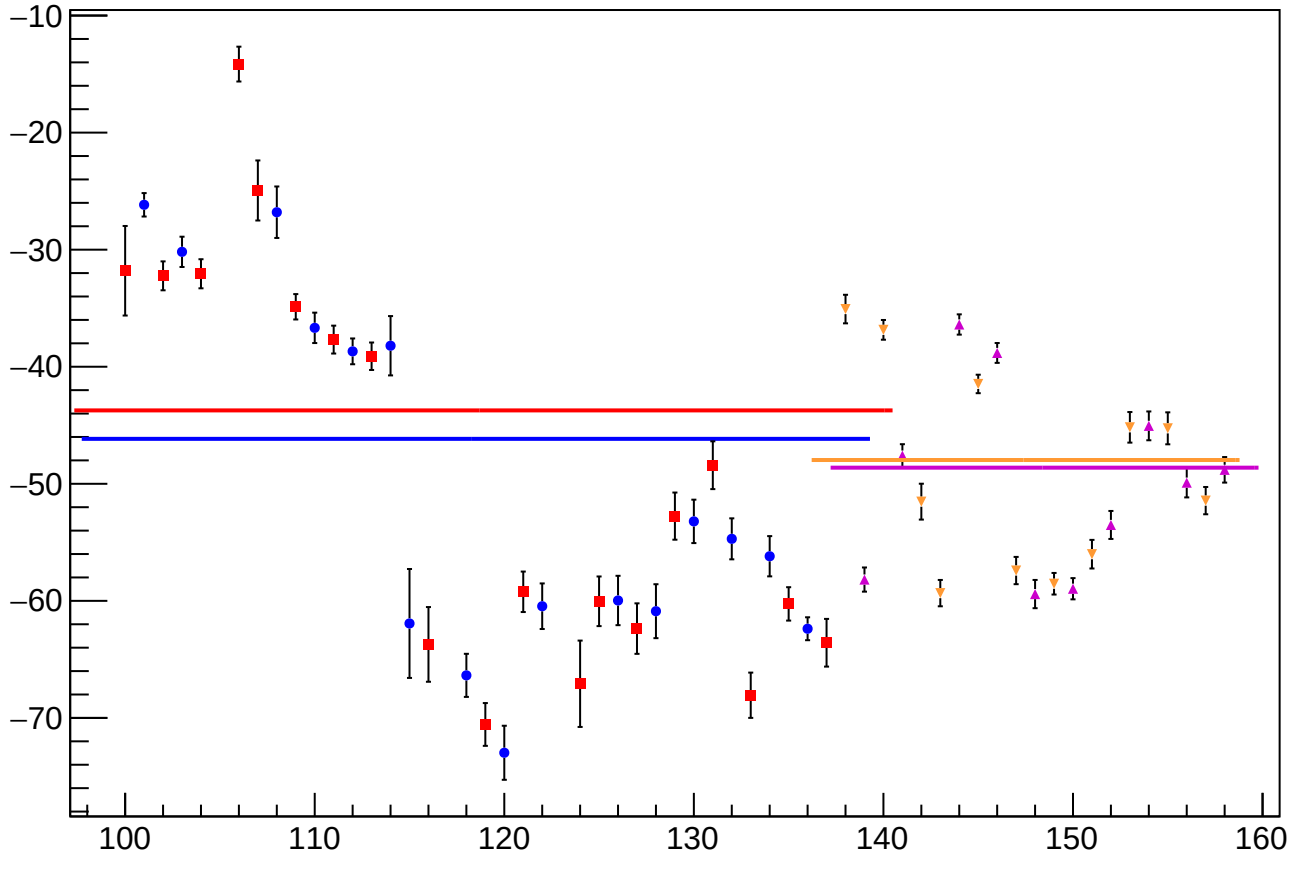
Left: 32.848+/-0.164 χ^2/NDF: 1195.0/20

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.526+/-0.197 χ^2/NDF:1565.3/25

Out: 33.478+/-0.197 χ^2/NDF:1684.2/29

All: 33.003+/-0.139 χ^2/NDF: 3261.2/55



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.969+/-0.327 χ^2/NDF:718.8/10

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -48.622+/-0.325 χ^2/NDF:656.1/9

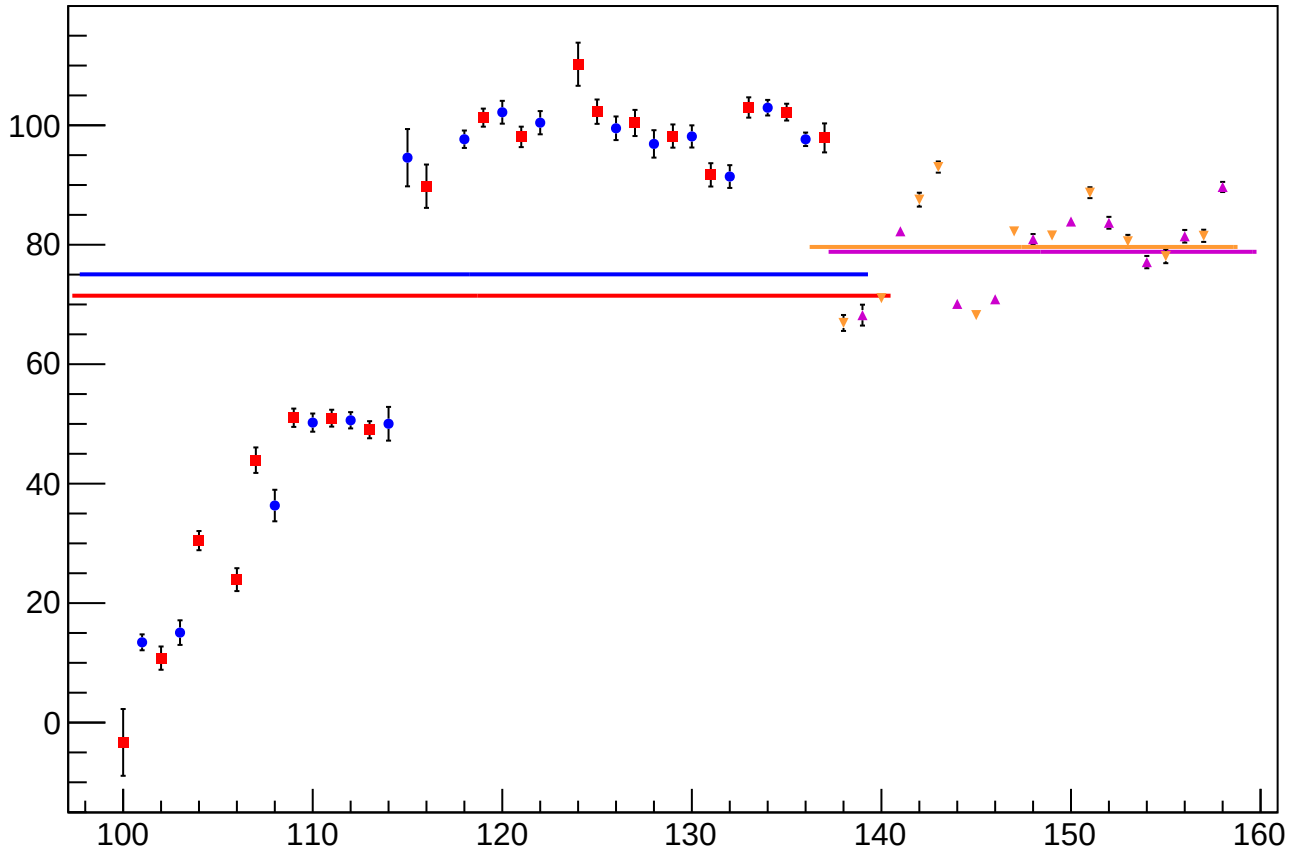
Left: -48.297+/-0.231 χ^2/NDF: 1376.9/20

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.611+/-0.250 χ^2/NDF:2169.2/25

Out: -46.155+/-0.247 χ^2/NDF:2454.0/29

All: -46.876+/-0.176 χ^2/NDF: 4640.4/55



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.630+/-0.279 χ^2/NDF:812.9/10

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 78.815+/-0.275 χ^2/NDF:586.3/9

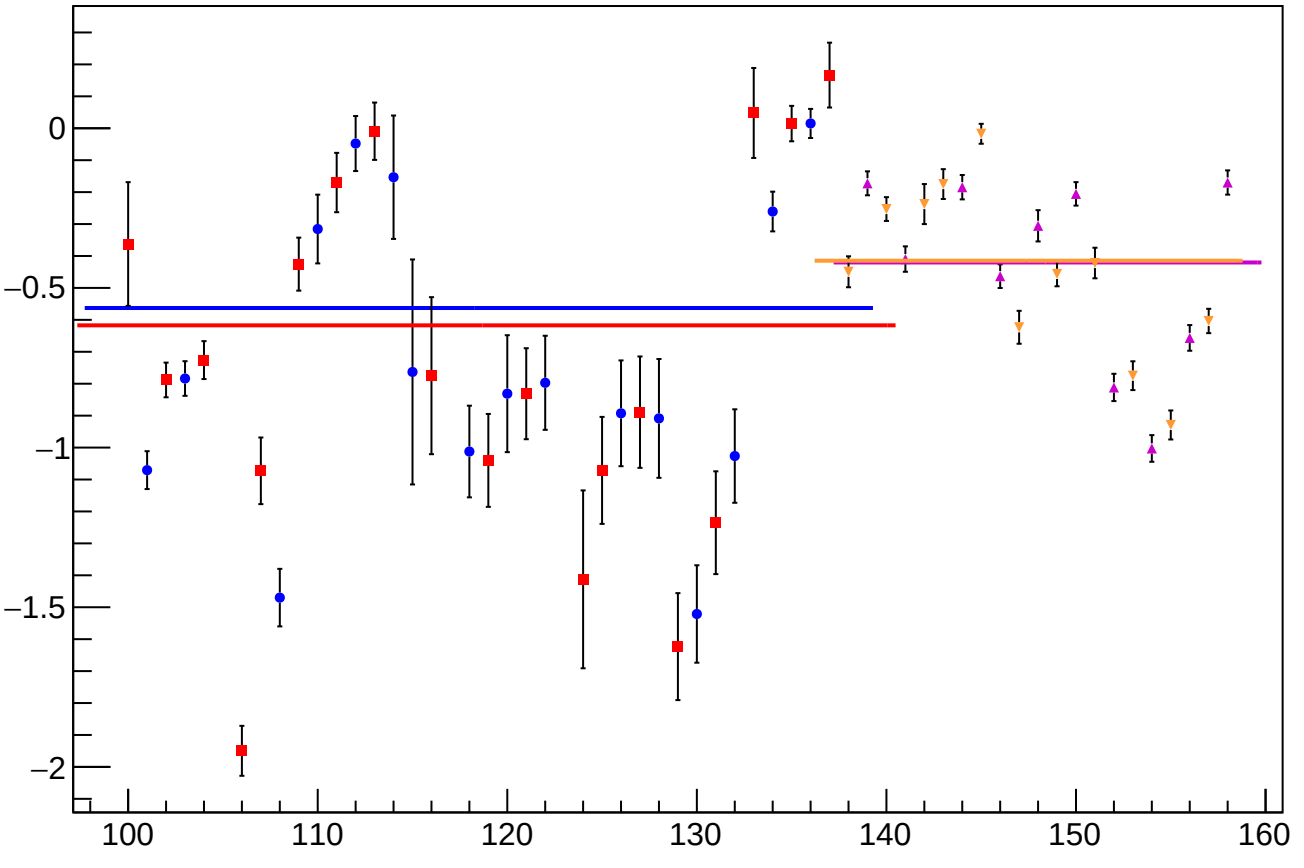
Left: 79.216+/-0.196 χ^2/NDF: 1403.6/20

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 77.713+/-0.231 χ^2/NDF:6469.8/25

Out: 77.177+/-0.233 χ^2/NDF:6698.3/29

All: 77.448+/-0.164 χ^2/NDF: 13170.8/55



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.415+/-0.013 χ^2/NDF:450.0/10

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.420+/-0.013 χ^2/NDF:479.4/9

Left: -0.418+/-0.009 χ^2/NDF: 929.5/20

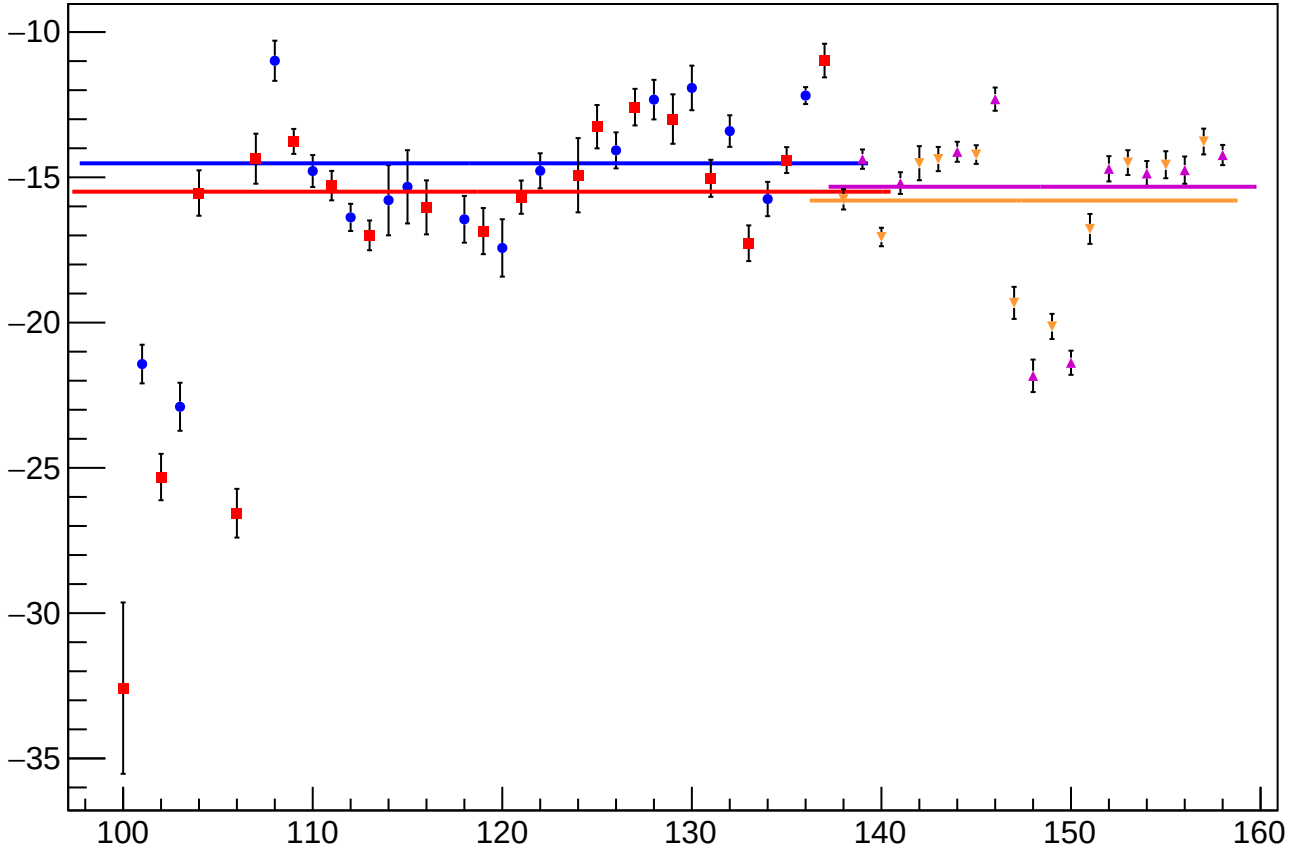
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.455+/-0.011 χ^2/NDF:1003.6/25

Out: -0.466+/-0.011 χ^2/NDF:1202.3/29

All: -0.460+/-0.008 χ^2/NDF: 2206.4/55

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.798+/-0.125 χ^2/NDF:238.0/10

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.324+/-0.126 χ^2/NDF:439.6/9

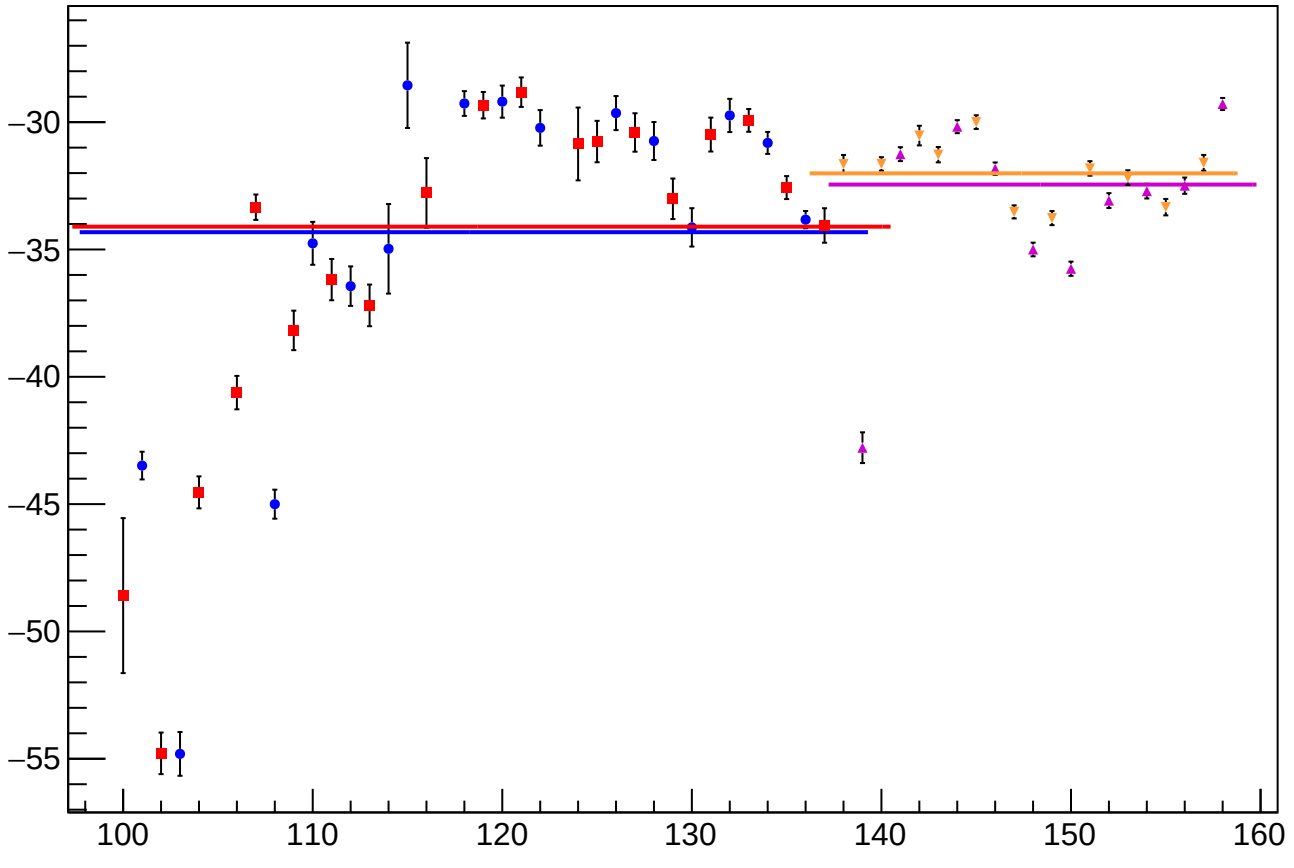
Left: -15.562+/-0.089 χ^2/NDF: 684.7/20

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.990+/-0.096 χ^2/NDF:820.0/25

Out: -15.673+/-0.096 χ^2/NDF:744.3/29

All: -15.332+/-0.068 χ^2/NDF: 1589.5/55



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -32.011+/-0.089 χ^2/NDF:173.8/10

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -32.450+/-0.089 χ^2/NDF:809.6/9

Left: -32.230+/-0.063 χ^2/NDF: 995.5/20

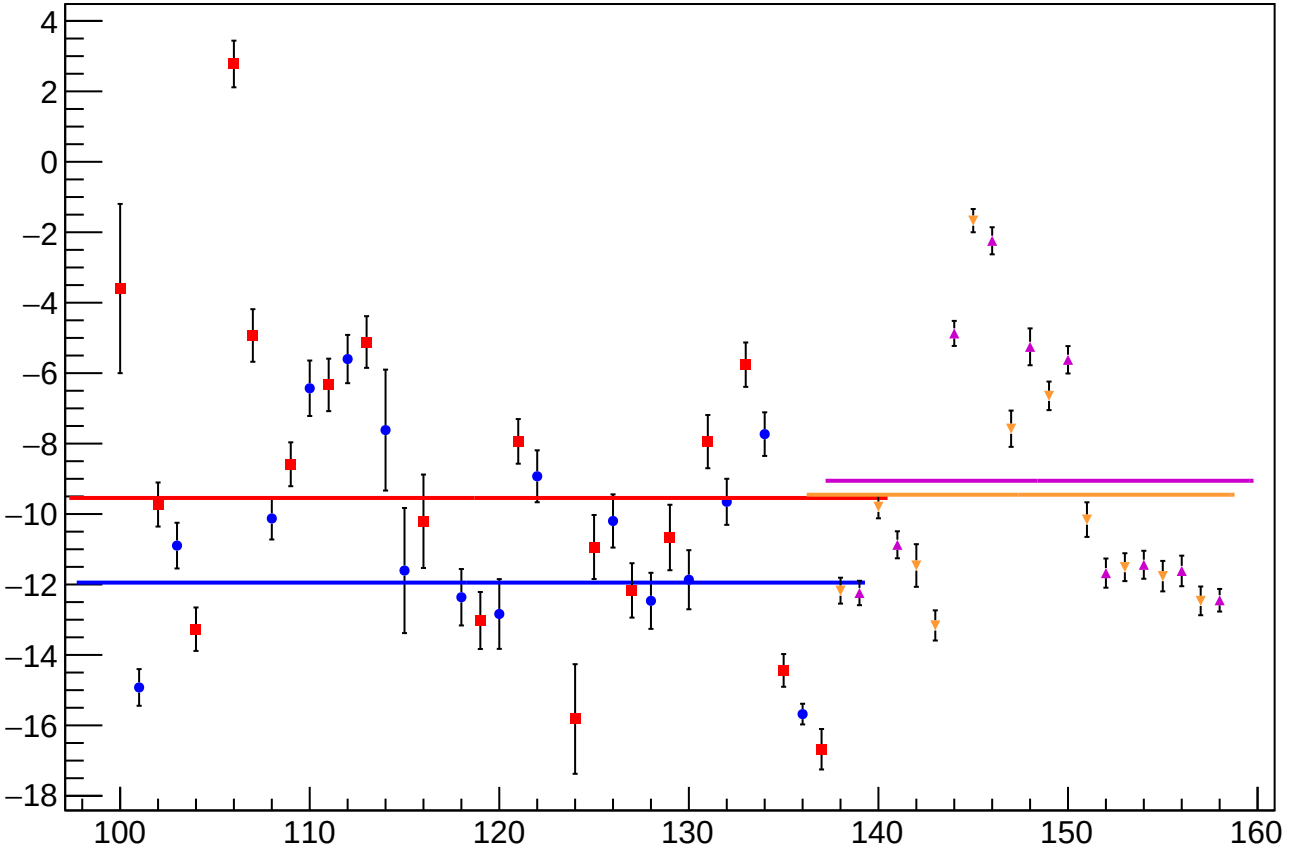
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.923+/-0.077 χ^2/NDF:2541.4/25

Out: -32.535+/-0.077 χ^2/NDF:1746.7/29

All: -32.730+/-0.055 χ^2/NDF: 4300.8/55

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: -9.452+/-0.123 χ^2/NDF:871.6/10

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.055+/-0.122 χ^2/NDF:913.1/9

Left: -9.252+/-0.087 χ^2/NDF: 1789.9/20

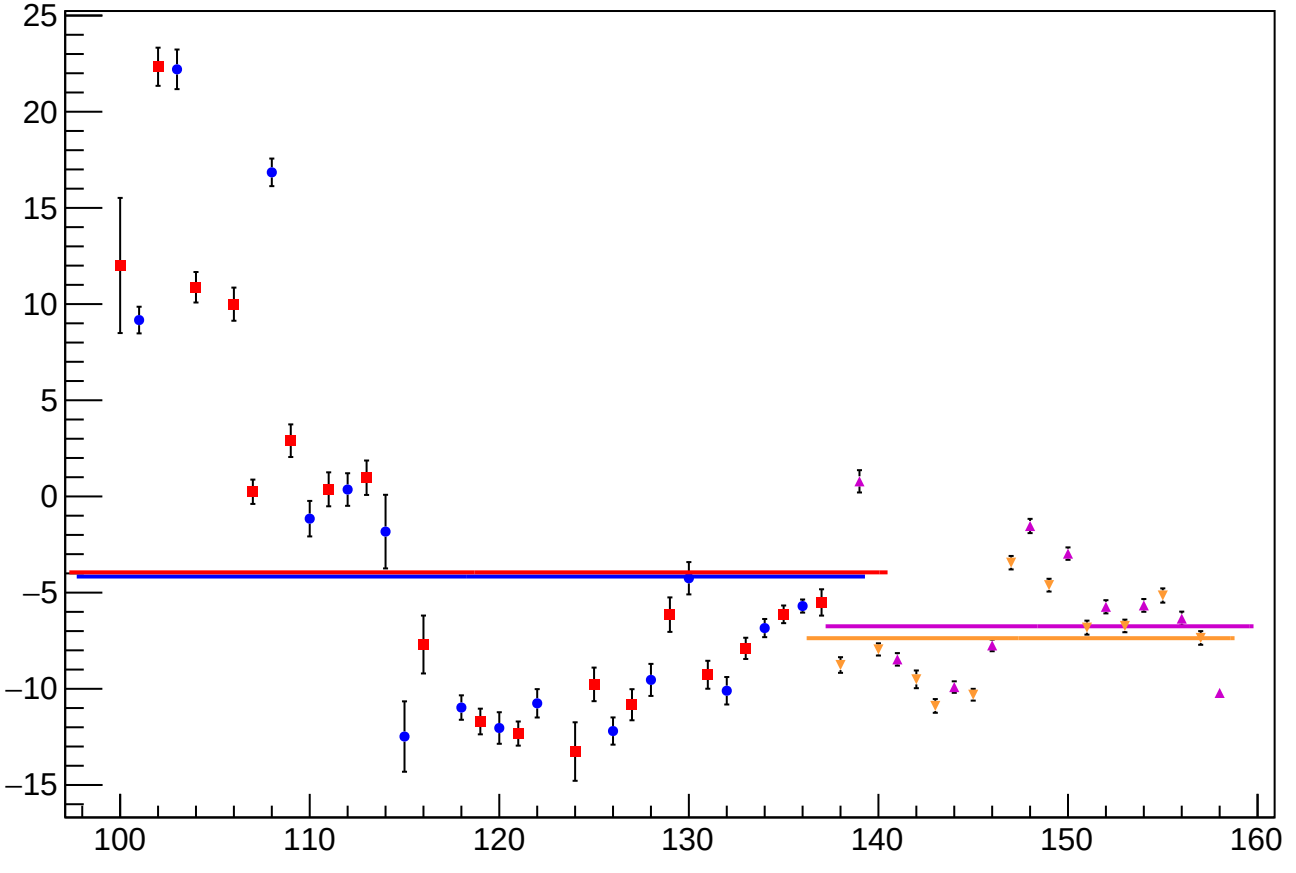
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.116+/-0.097 χ^2/NDF:1549.4/25

Out: -9.485+/-0.099 χ^2/NDF:1718.9/29

All: -9.806+/-0.069 χ^2/NDF: 3289.2/55

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.369+/-0.106 χ^2/NDF:461.9/10

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.750+/-0.104 χ^2/NDF:867.4/9

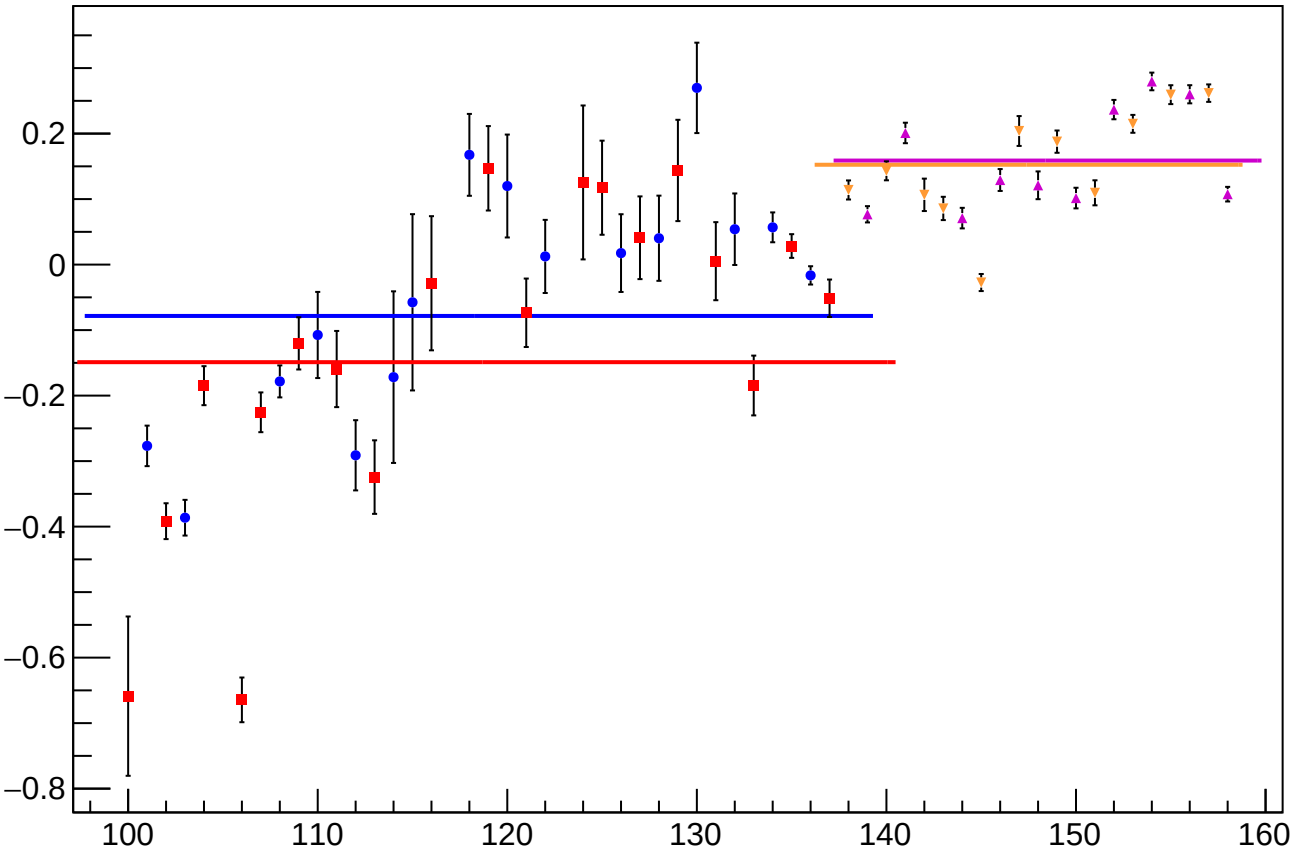
Left: -7.052+/-0.074 χ^2/NDF: 1346.6/20

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -6.057+/-0.089 χ^2/NDF:3558.1/25

Out: -6.453+/-0.091 χ^2/NDF:2848.9/29

All: -6.251+/-0.064 χ^2/NDF: 6416.7/55



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.152+/-0.005 χ^2/NDF:372.8/10

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.159+/-0.005 χ^2/NDF:284.3/9

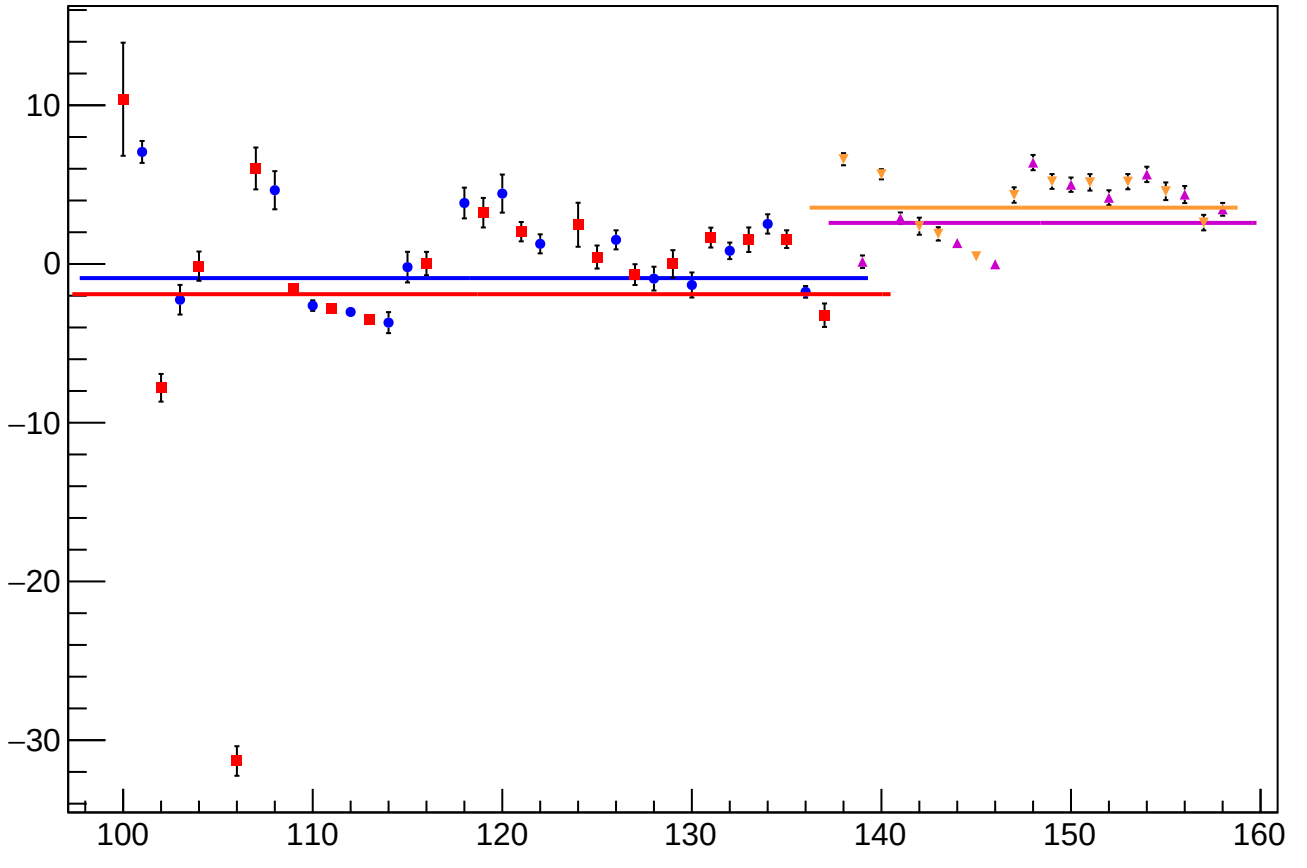
Left: 0.156+/-0.003 χ^2/NDF: 658.0/20

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.106+/-0.004 χ^2/NDF:1199.3/25

Out: 0.087+/-0.004 χ^2/NDF:1762.6/29

All: 0.097+/-0.003 χ^2/NDF: 2972.3/55



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.550+/-0.123 χ^2/NDF:327.1/10

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.589+/-0.123 χ^2/NDF:293.2/9

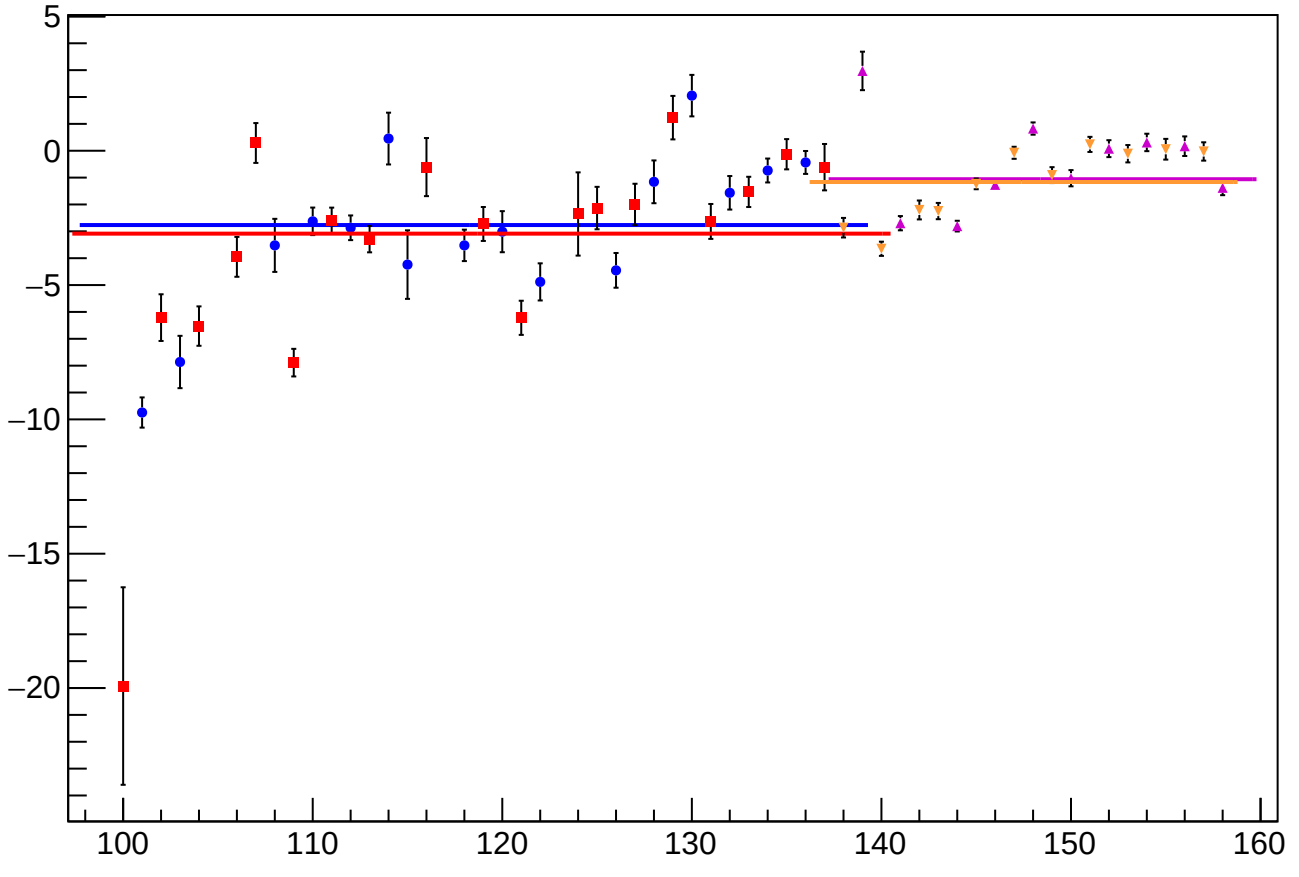
Left: 3.071+/-0.087 χ^2/NDF: 651.0/20

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.034+/-0.091 χ^2/NDF:1031.9/25

Out: 0.950+/-0.089 χ^2/NDF:2603.0/29

All: 0.990+/-0.064 χ^2/NDF: 3635.4/55



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.164+/-0.086 χ^2/NDF:212.5/10

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.060+/-0.083 χ^2/NDF:259.9/9

Left: -1.110+/-0.060 χ^2/NDF: 473.1/20

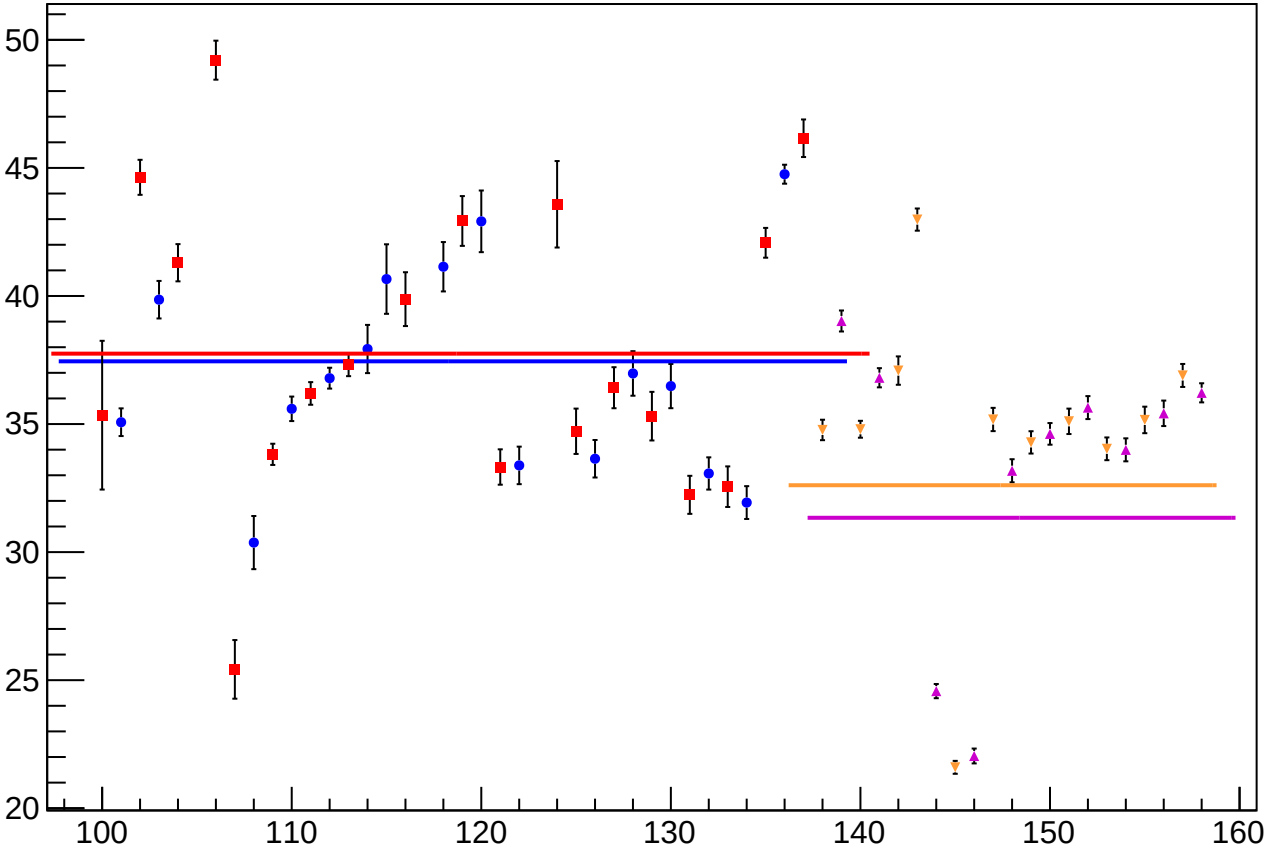
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.438+/-0.074 χ^2/NDF:662.7/25

Out: -1.606+/-0.076 χ^2/NDF:599.5/29

All: -1.520+/-0.053 χ^2/NDF: 1264.8/55

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 32.611+/-0.122 χ^2/NDF:2813.1/10

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.340+/-0.120 χ^2/NDF:2627.9/9

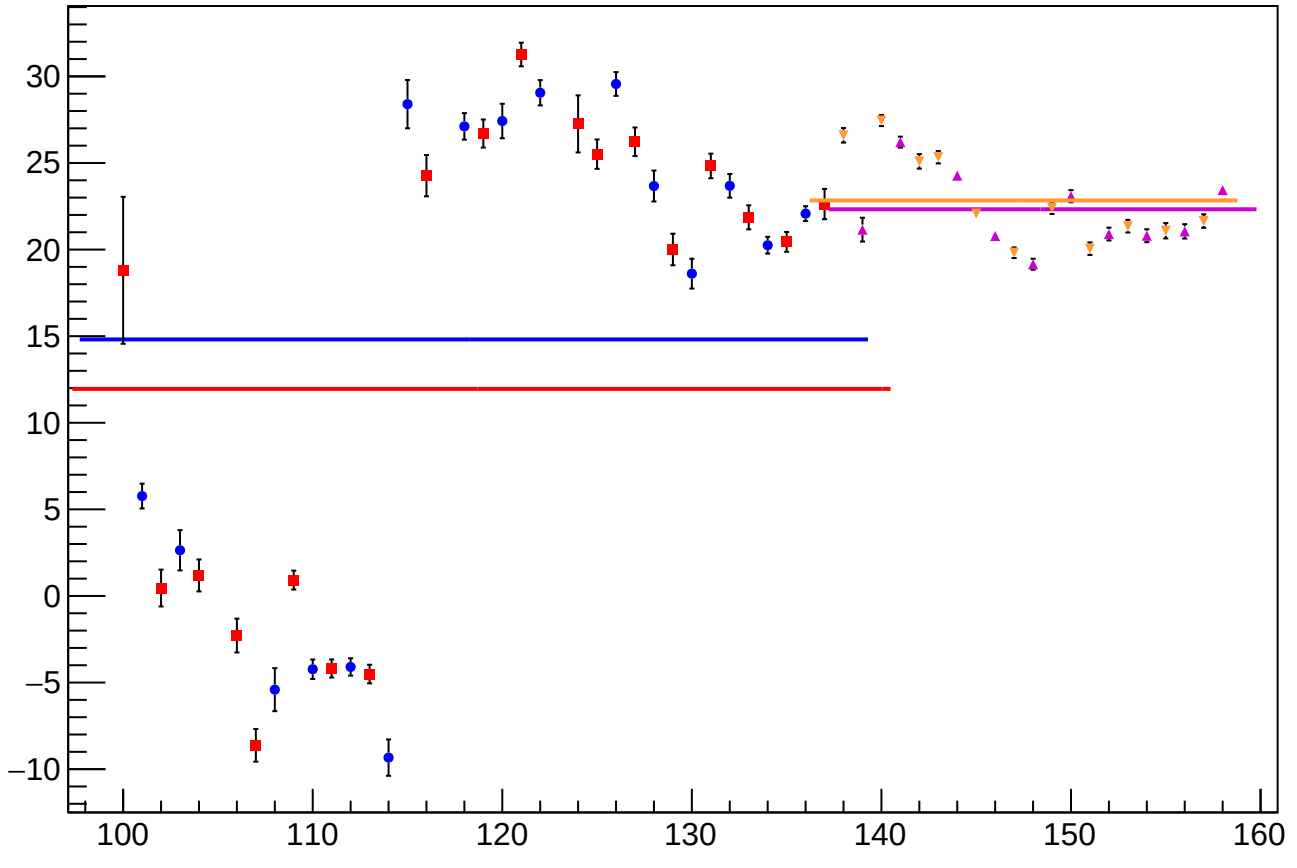
Left: 31.967+/-0.085 χ^2/NDF: 5496.3/20

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.523+/-0.096 χ^2/NDF:4263.1/25

Out: 34.500+/-0.097 χ^2/NDF:4433.6/29

All: 34.009+/-0.068 χ^2/NDF: 8748.0/55



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 22.837+/-0.104 χ^2/NDF:575.3/10

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.327+/-0.100 χ^2/NDF:430.7/9

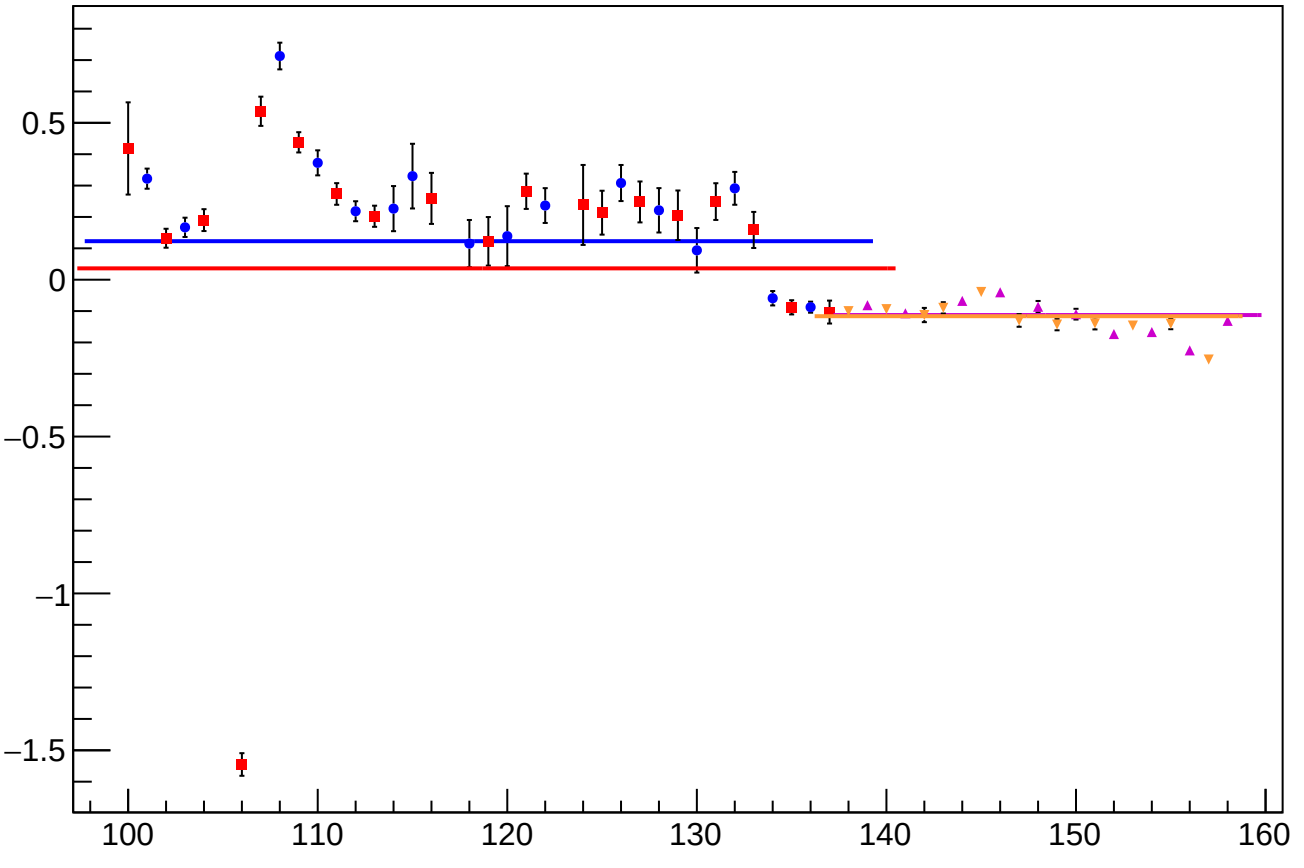
Left: 22.572+/-0.072 χ^2/NDF: 1018.6/20

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 20.472+/-0.086 χ^2/NDF:7523.9/25

Out: 20.054+/-0.089 χ^2/NDF:9499.7/29

All: 20.270+/-0.062 χ^2/NDF: 17034.9/55



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.116+/-0.005 χ^2/NDF:163.5/10

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.113+/-0.005 χ^2/NDF:133.1/9

Left: -0.114+/-0.003 χ^2/NDF: 296.9/20

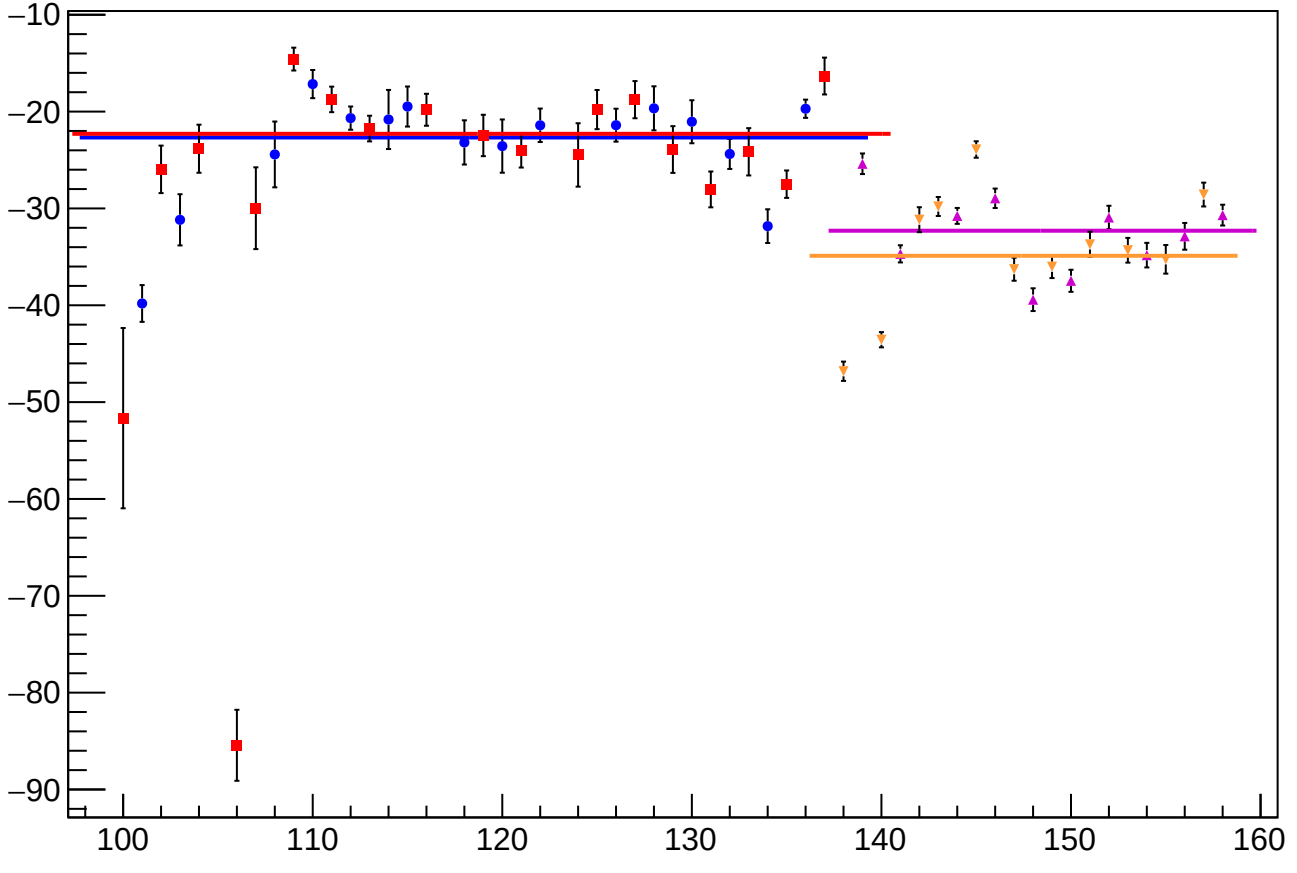
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.067+/-0.004 χ^2/NDF:1156.8/25

Out: -0.087+/-0.004 χ^2/NDF:2774.6/29

All: -0.077+/-0.003 χ^2/NDF: 3943.0/55

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -34.890+/-0.326 χ^2/NDF:496.9/10

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -32.301+/-0.337 χ^2/NDF:129.2/9

Left: -33.637+/-0.234 χ^2/NDF: 656.6/20

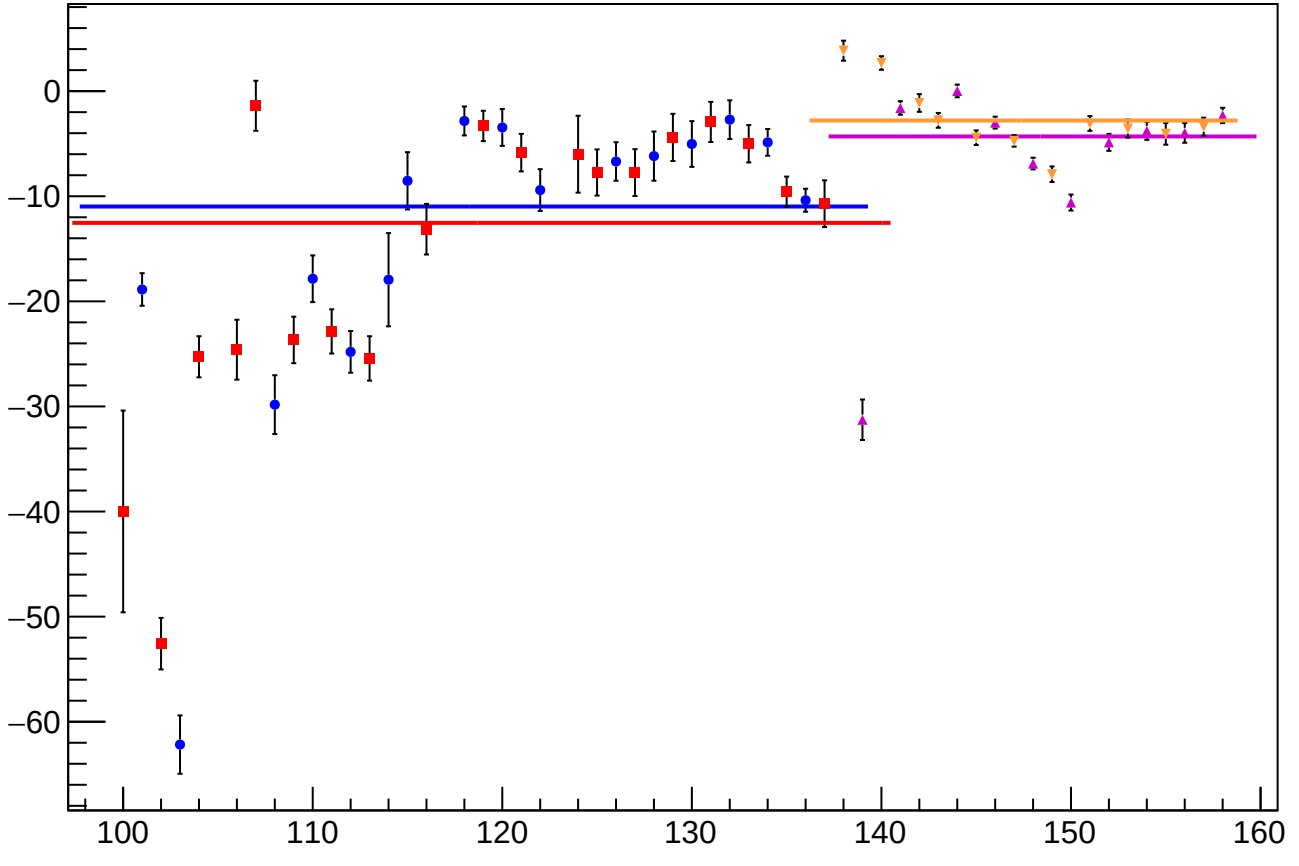
Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -28.692+/-0.266 χ^2/NDF:590.3/25

Out: -30.363+/-0.261 χ^2/NDF:1439.0/29

All: -29.543+/-0.186 χ^2/NDF: 2049.4/55

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.795+/-0.225 χ^2/NDF:192.2/10

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.311+/-0.227 χ^2/NDF:369.0/9

Left: -3.546+/-0.160 χ^2/NDF: 583.7/20

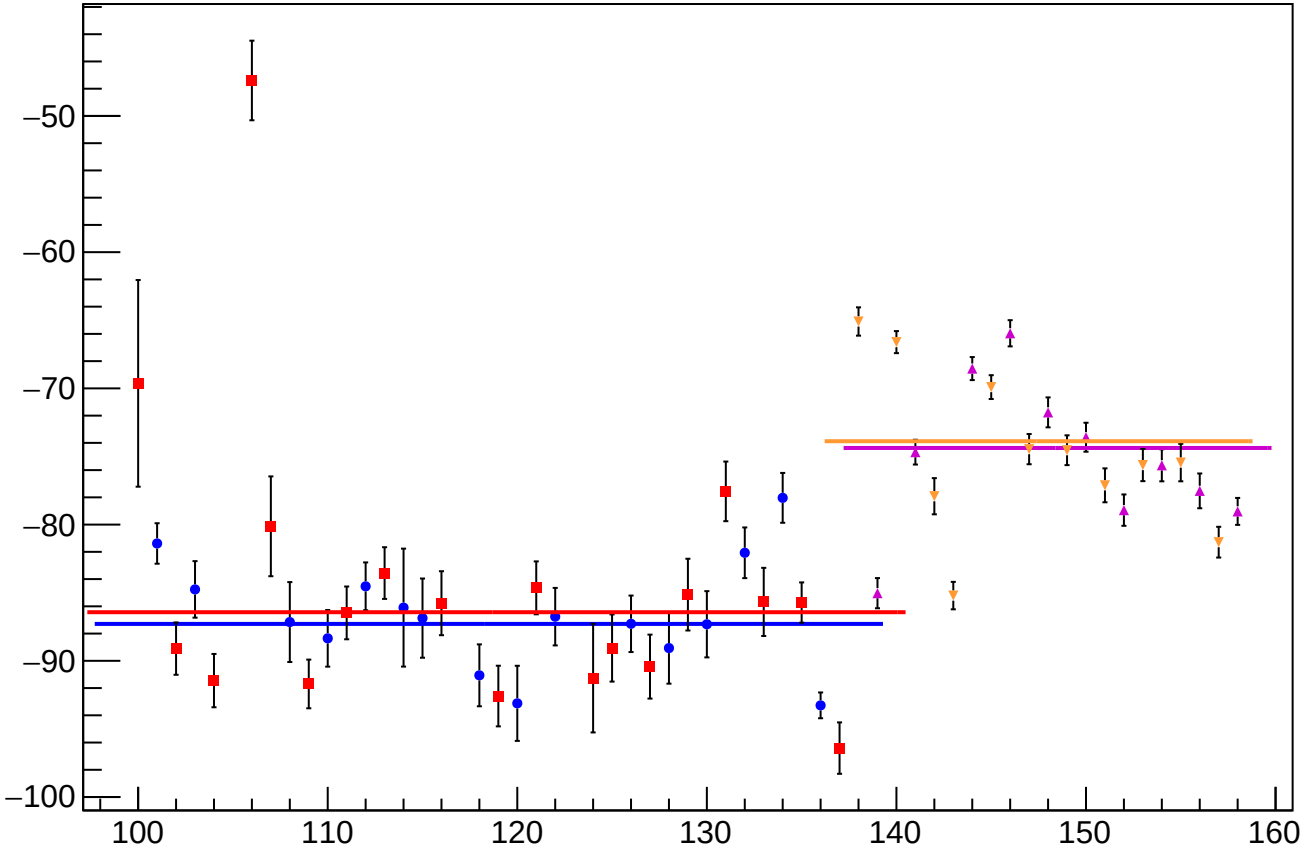
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -5.645+/-0.203 χ^2/NDF:1129.3/25

Out: -4.541+/-0.204 χ^2/NDF:1100.8/29

All: -5.095+/-0.144 χ^2/NDF: 2244.8/55

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.879+/-0.322 χ^2/NDF:362.7/10

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -74.374+/-0.327 χ^2/NDF:268.3/9

Left: -74.122+/-0.230 χ^2/NDF: 632.1/20

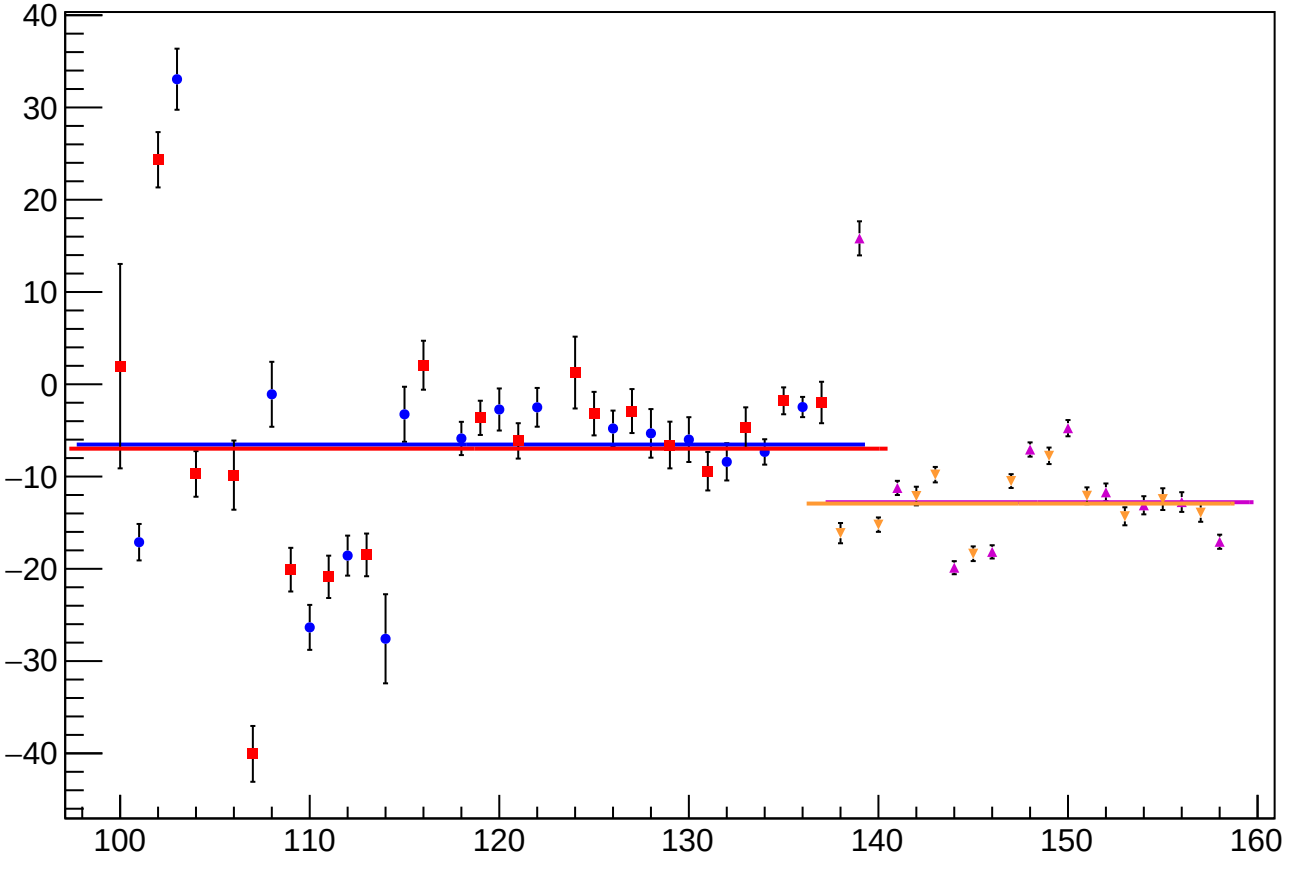
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -78.469+/-0.271 χ^2/NDF:862.8/25

Out: -77.499+/-0.272 χ^2/NDF:1065.5/29

All: -77.986+/-0.192 χ^2/NDF: 1934.7/55

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.928+/-0.272 χ^2/NDF:126.3/10

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -12.782+/-0.271 χ^2/NDF:569.8/9

Left: -12.854+/-0.192 χ^2/NDF: 696.3/20

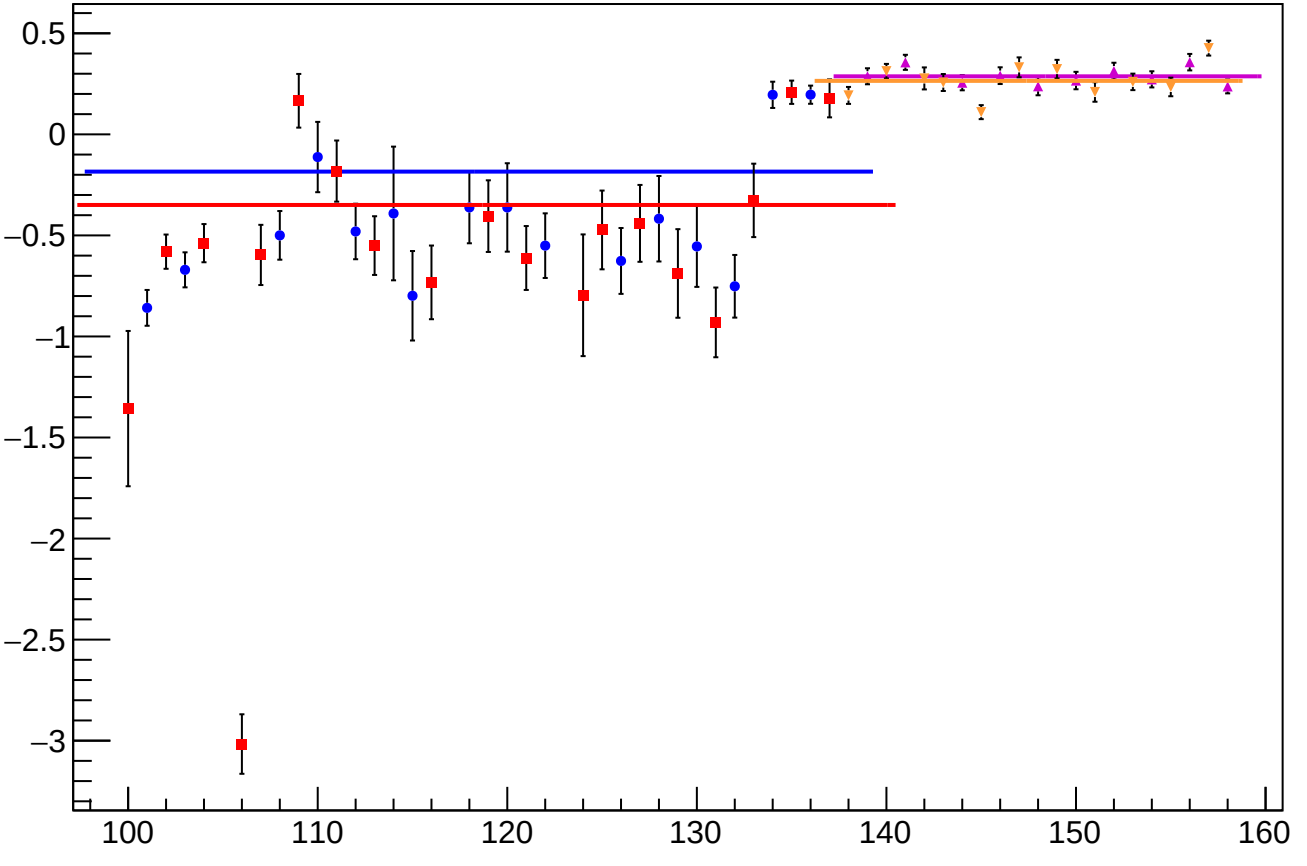
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -11.394+/-0.239 χ^2/NDF:1001.4/25

Out: -11.728+/-0.243 χ^2/NDF:590.9/29

All: -11.558+/-0.171 χ^2/NDF: 1593.3/55

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.265+/-0.013 χ^2/NDF:49.2/10

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.287+/-0.013 χ^2/NDF:11.2/9

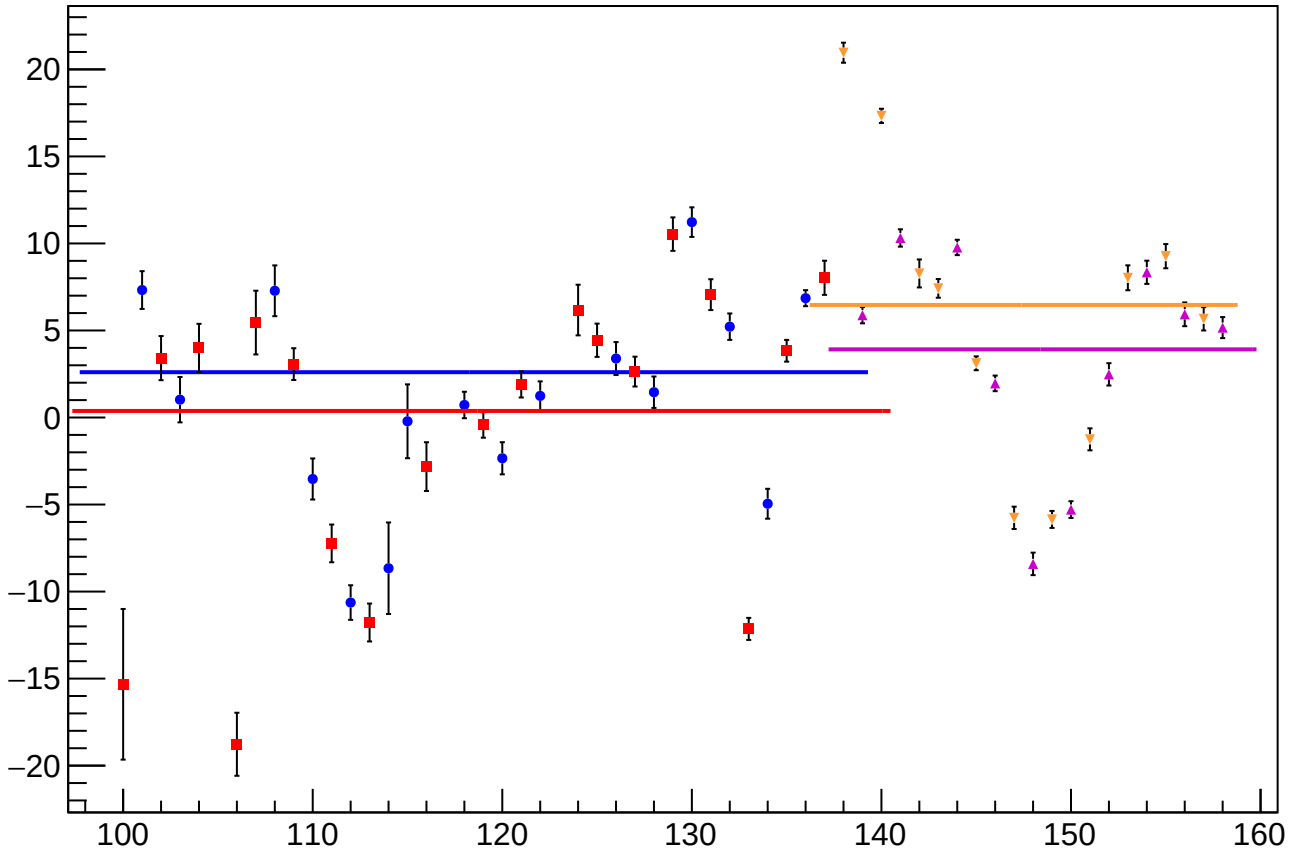
Left: 0.276+/-0.009 χ^2/NDF: 62.0/20

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.202+/-0.011 χ^2/NDF:512.8/25

Out: 0.168+/-0.012 χ^2/NDF:935.0/29

All: 0.185+/-0.008 χ^2/NDF: 1452.3/55



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.466+/-0.167 χ^2/NDF:2591.2/10

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.916+/-0.169 χ^2/NDF:1171.2/9

Left: 5.203+/-0.119 χ^2/NDF: 3877.3/20

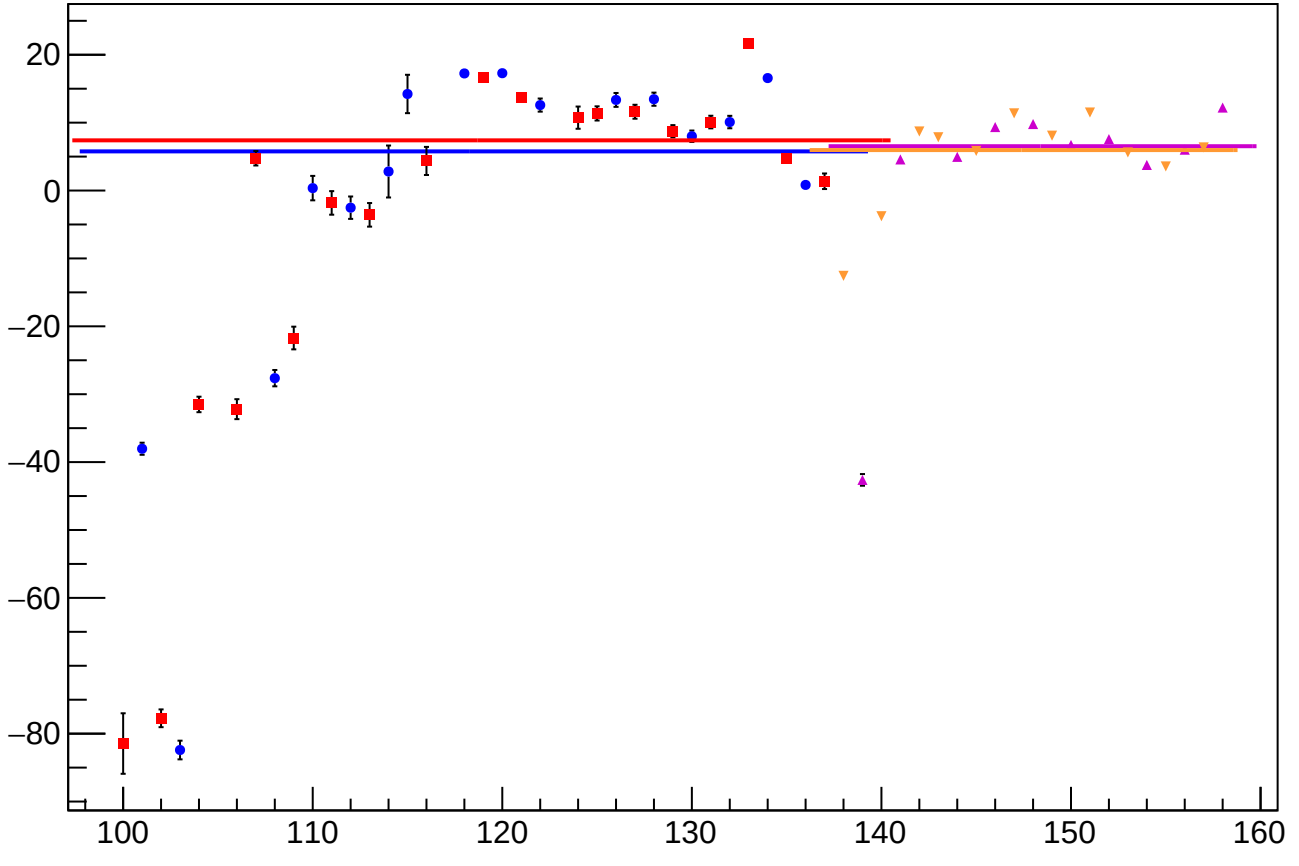
Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 3.440+/-0.135 χ^2/NDF:1766.1/25

Out: 4.263+/-0.134 χ^2/NDF:4101.1/29

All: 3.855+/-0.095 χ^2/NDF: 5886.0/55

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.959+/-0.117 χ^2/NDF:2518.7/10

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.530+/-0.118 χ^2/NDF:3780.5/9

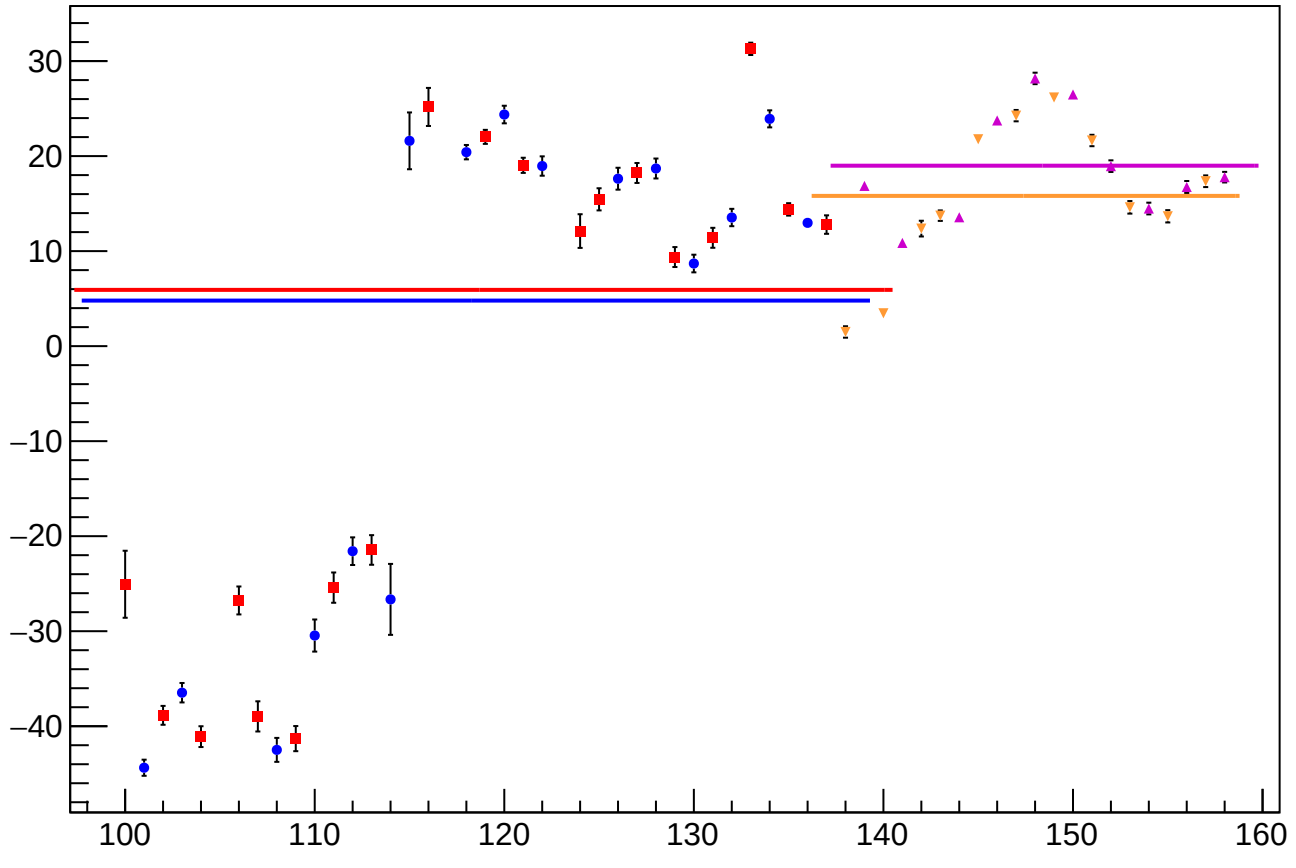
Left: 6.242+/-0.083 χ^2/NDF: 6311.0/20

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 6.347+/-0.103 χ^2/NDF:12724.4/25

Out: 6.301+/-0.102 χ^2/NDF:10945.2/29

All: 6.324+/-0.072 χ^2/NDF: 23669.6/55



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.812+/-0.165 χ^2/NDF:2505.0/10

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 18.990+/-0.164 χ^2/NDF:1116.0/9

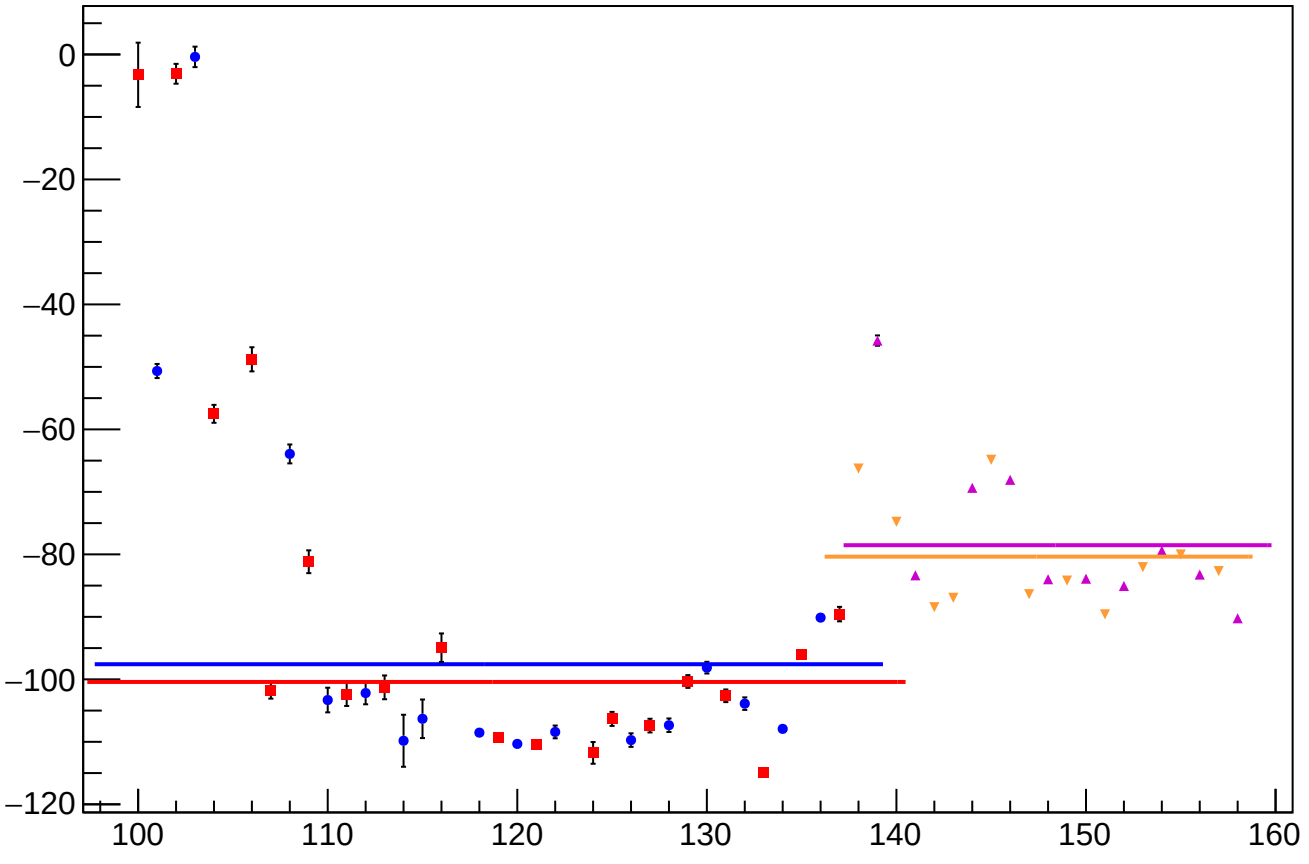
Left: 17.405+/-0.116 χ^2/NDF: 3807.4/20

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 14.389+/-0.135 χ^2/NDF:13029.6/25

Out: 12.641+/-0.136 χ^2/NDF:13719.4/29

All: 13.519+/-0.096 χ^2/NDF: 26832.3/55



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.365+/-0.141 χ^2/NDF:3463.5/10

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -78.533+/-0.140 χ^2/NDF:4566.5/9

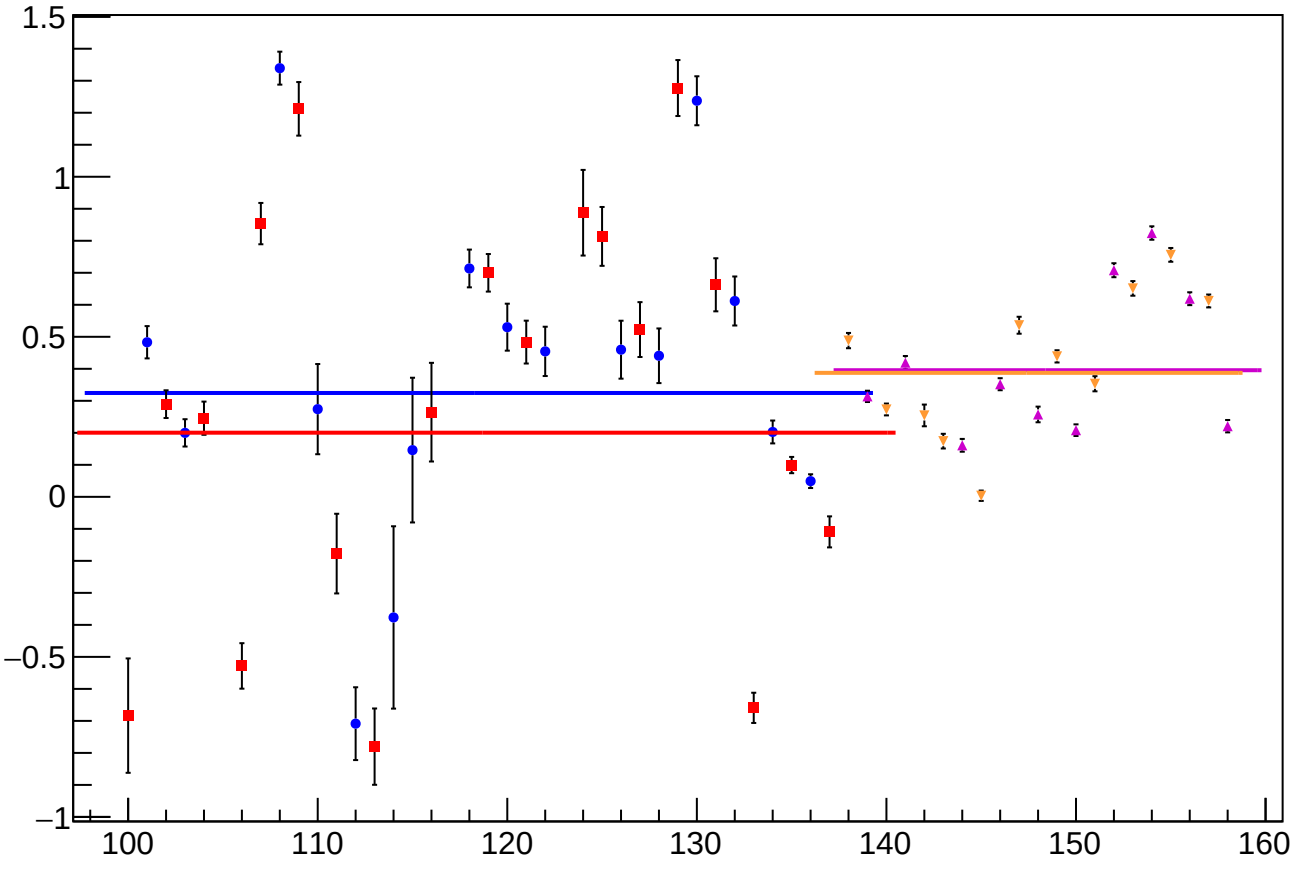
Left: -79.442+/-0.099 χ^2/NDF: 8115.4/20

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -83.294+/-0.121 χ^2/NDF:16369.6/25

Out: -85.459+/-0.121 χ^2/NDF:15744.9/29

All: -84.371+/-0.086 χ^2/NDF: 32274.2/55



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.387+/-0.006 χ^2/NDF:1312.2/10

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.396+/-0.006 χ^2/NDF:1130.3/9

Left: 0.392+/-0.005 χ^2/NDF: 2443.3/20

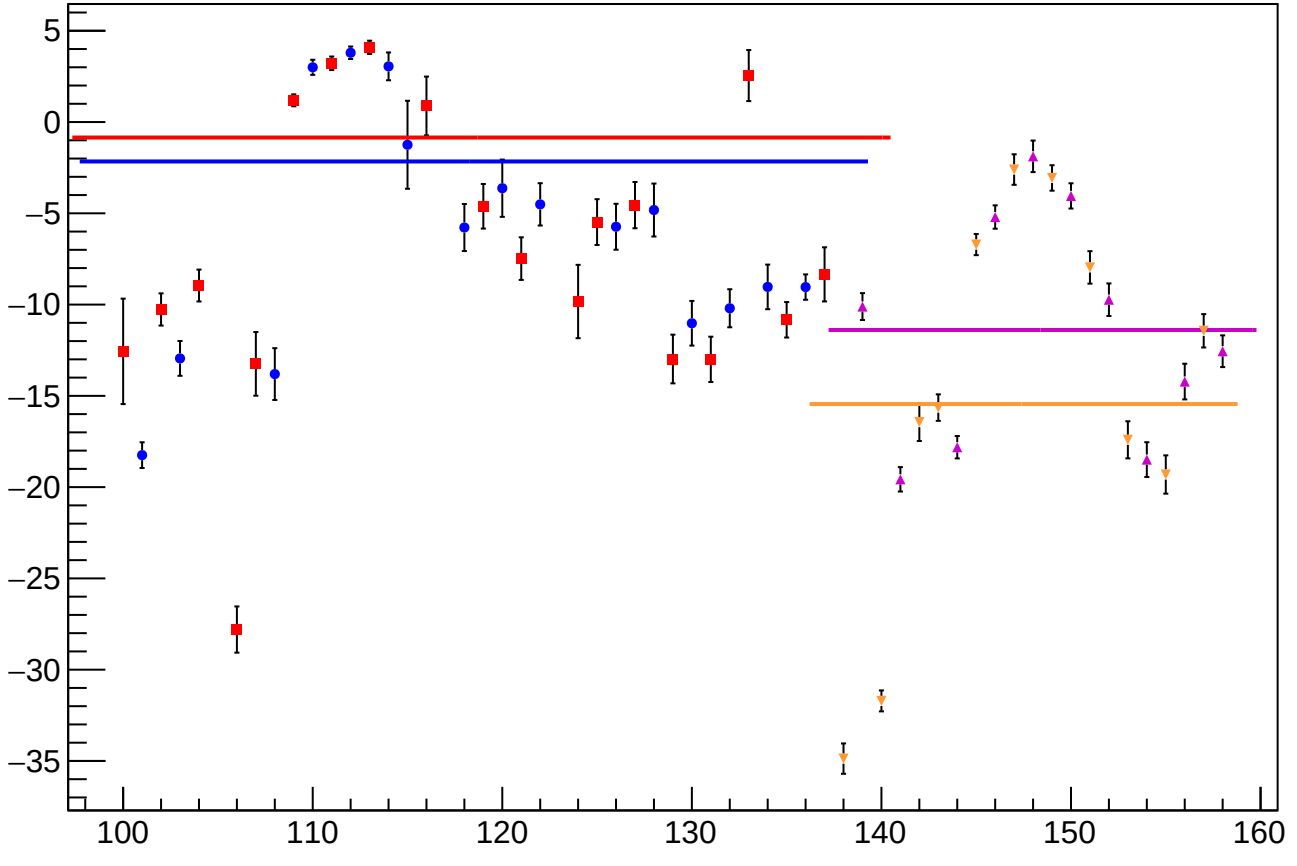
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.382+/-0.006 χ^2/NDF:2040.2/25

Out: 0.354+/-0.006 χ^2/NDF:2668.0/29

All: 0.368+/-0.004 χ^2/NDF: 4720.5/55

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.448+/-0.235 χ^2/NDF:2234.3/10

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -11.392+/-0.240 χ^2/NDF:659.4/9

Left: -13.464+/-0.168 χ^2/NDF: 3039.4/20

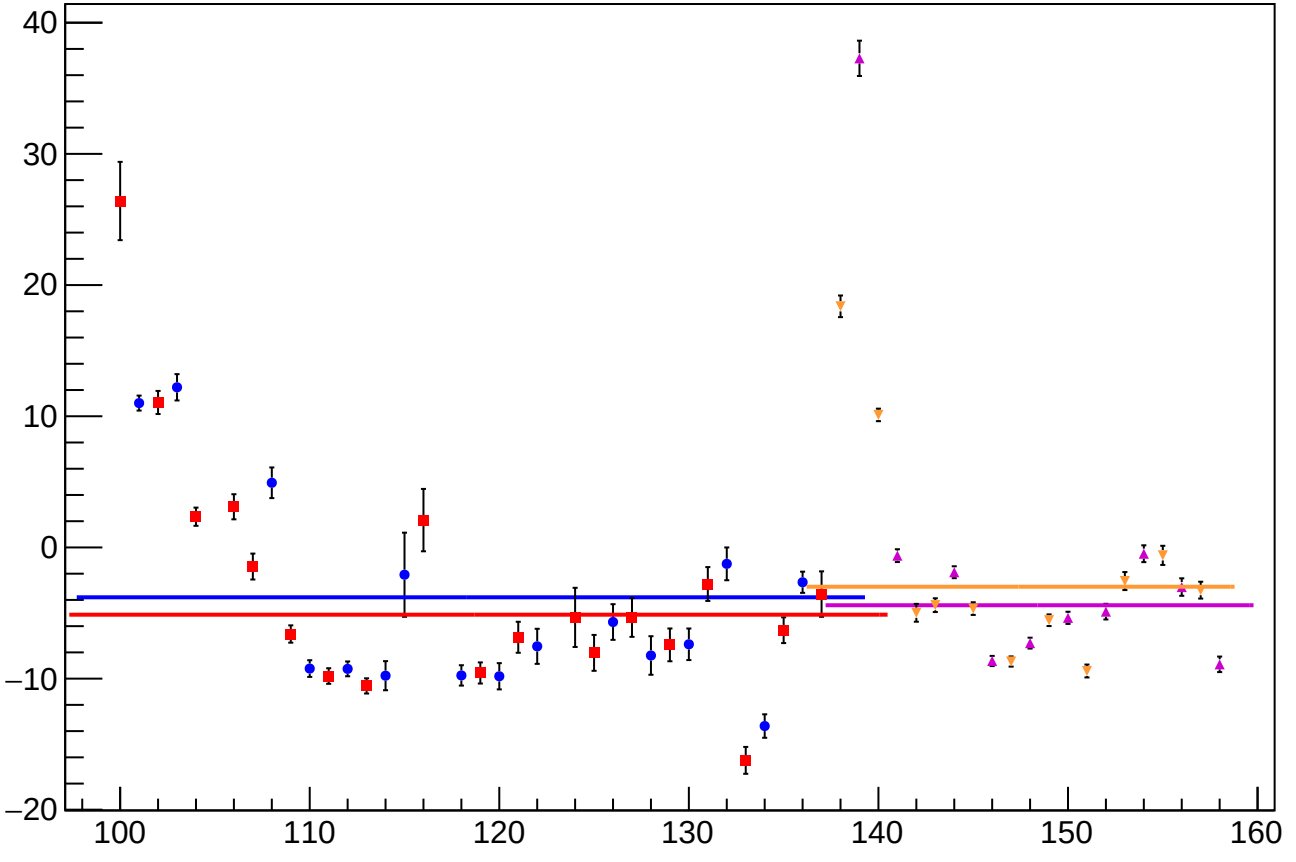
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -5.760+/-0.150 χ^2/NDF:3052.3/25

Out: -5.879+/-0.138 χ^2/NDF:6229.3/29

All: -5.824+/-0.102 χ^2/NDF: 9282.0/55

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.994+/-0.162 χ^2/NDF:1879.3/10

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.406+/-0.164 χ^2/NDF:1323.2/9

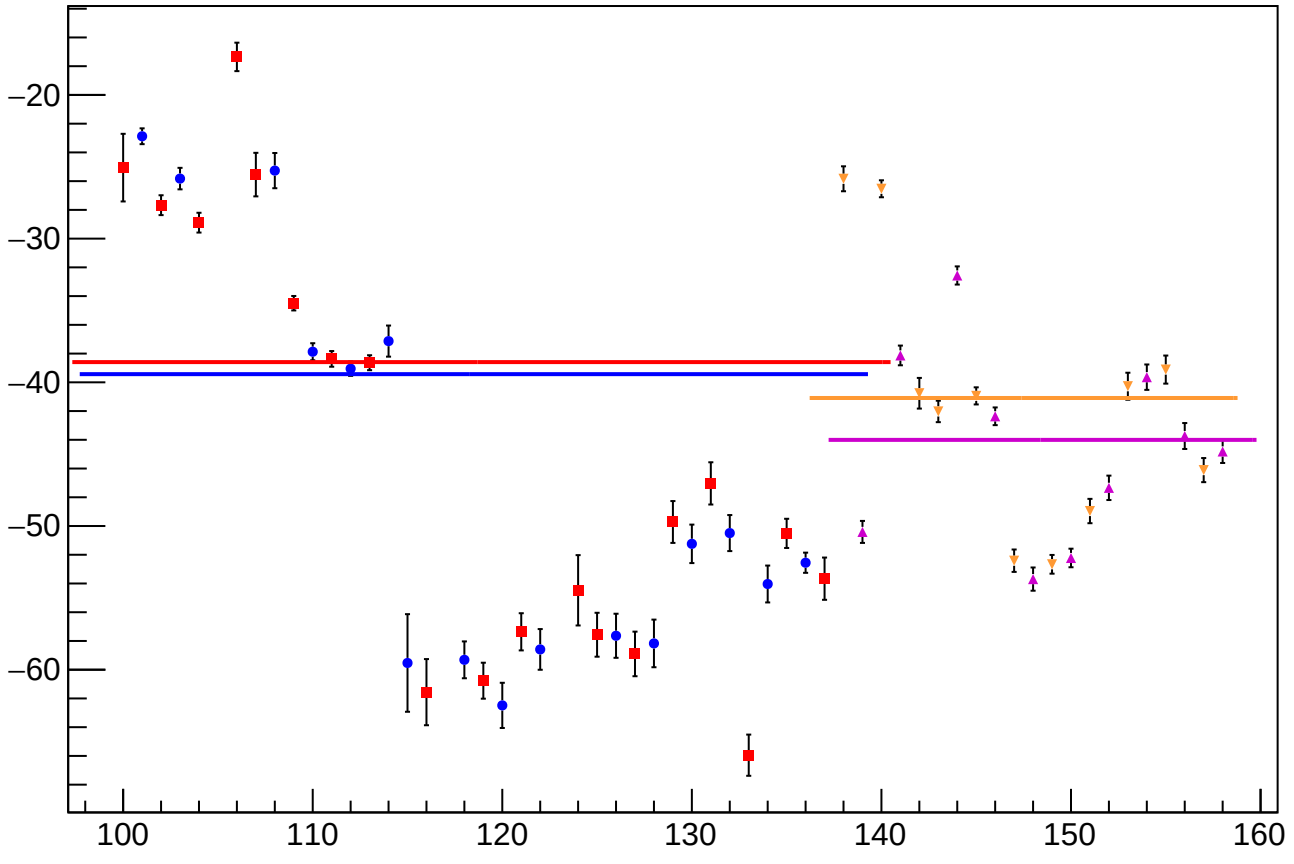
Left: -3.690+/-0.115 χ^2/NDF: 3240.0/20

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -4.197+/-0.133 χ^2/NDF:2753.4/25

Out: -3.749+/-0.130 χ^2/NDF:2921.2/29

All: -3.968+/-0.093 χ^2/NDF: 5680.4/55



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -41.091+/-0.231 χ^2/NDF:1571.9/10

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -44.006+/-0.233 χ^2/NDF:824.5/9

Left: -42.535+/-0.164 χ^2/NDF: 2475.1/20

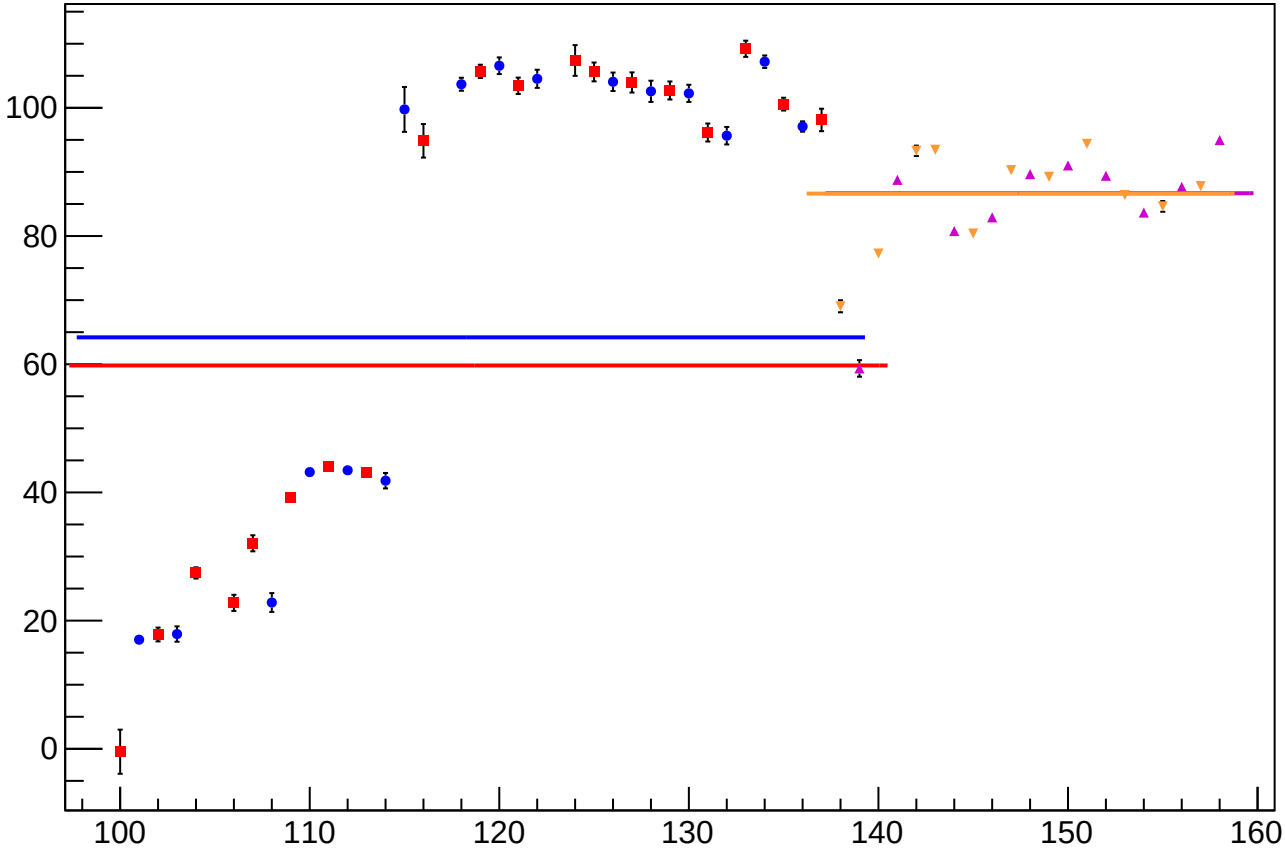
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -41.639+/-0.162 χ^2/NDF:3981.3/25

Out: -39.736+/-0.157 χ^2/NDF:4407.3/29

All: -40.654+/-0.113 χ^2/NDF: 8459.8/55

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.620+/-0.196 χ^2/NDF:1161.8/10

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 86.680+/-0.196 χ^2/NDF:947.9/9

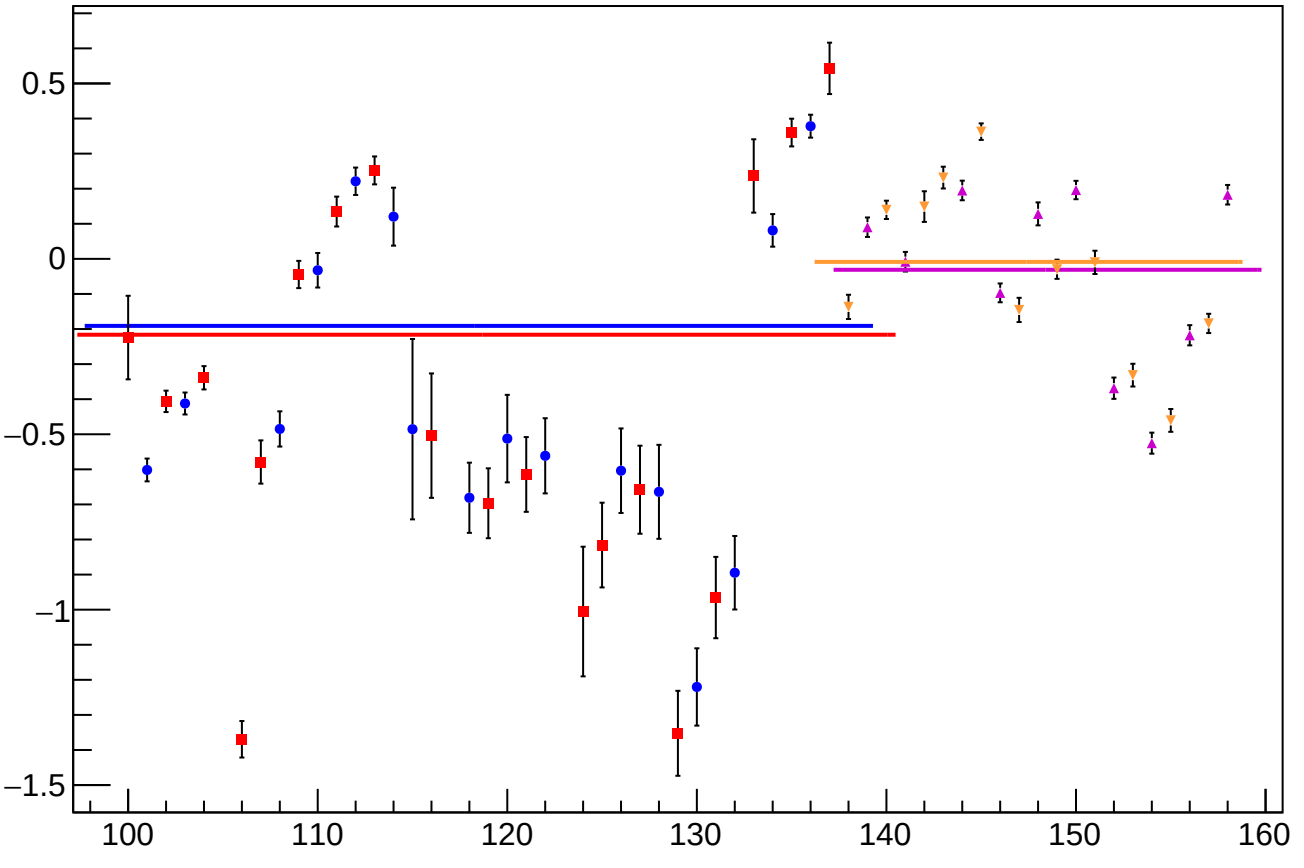
Left: 86.650+/-0.138 χ^2/NDF: 2109.8/20

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.450+/-0.156 χ^2/NDF:24377.8/25

Out: 76.358+/-0.154 χ^2/NDF:25767.0/29

All: 77.391+/-0.109 χ^2/NDF: 50236.1/55



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.009+/-0.009 χ^2/NDF:717.0/10

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.031+/-0.009 χ^2/NDF:686.8/9

Left: -0.020+/-0.006 χ^2/NDF: 1406.8/20

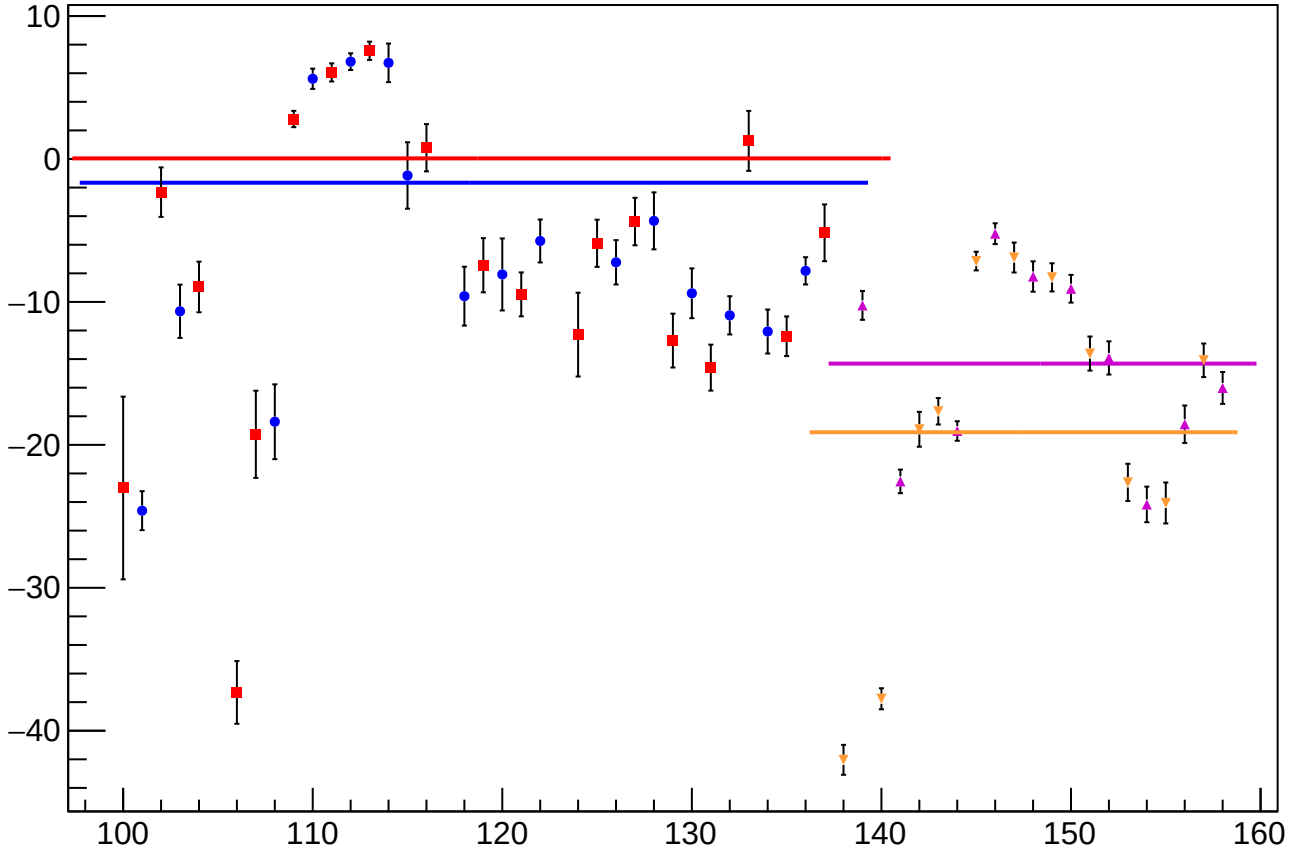
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.081+/-0.007 χ^2/NDF:1702.9/25

Out: -0.078+/-0.007 χ^2/NDF:2256.8/29

All: -0.079+/-0.005 χ^2/NDF: 3959.8/55

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -19.118+/-0.296 χ^2/NDF:1774.8/10

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -14.316+/-0.299 χ^2/NDF:457.3/9

Left: -16.737+/-0.210 χ^2/NDF: 2362.3/20

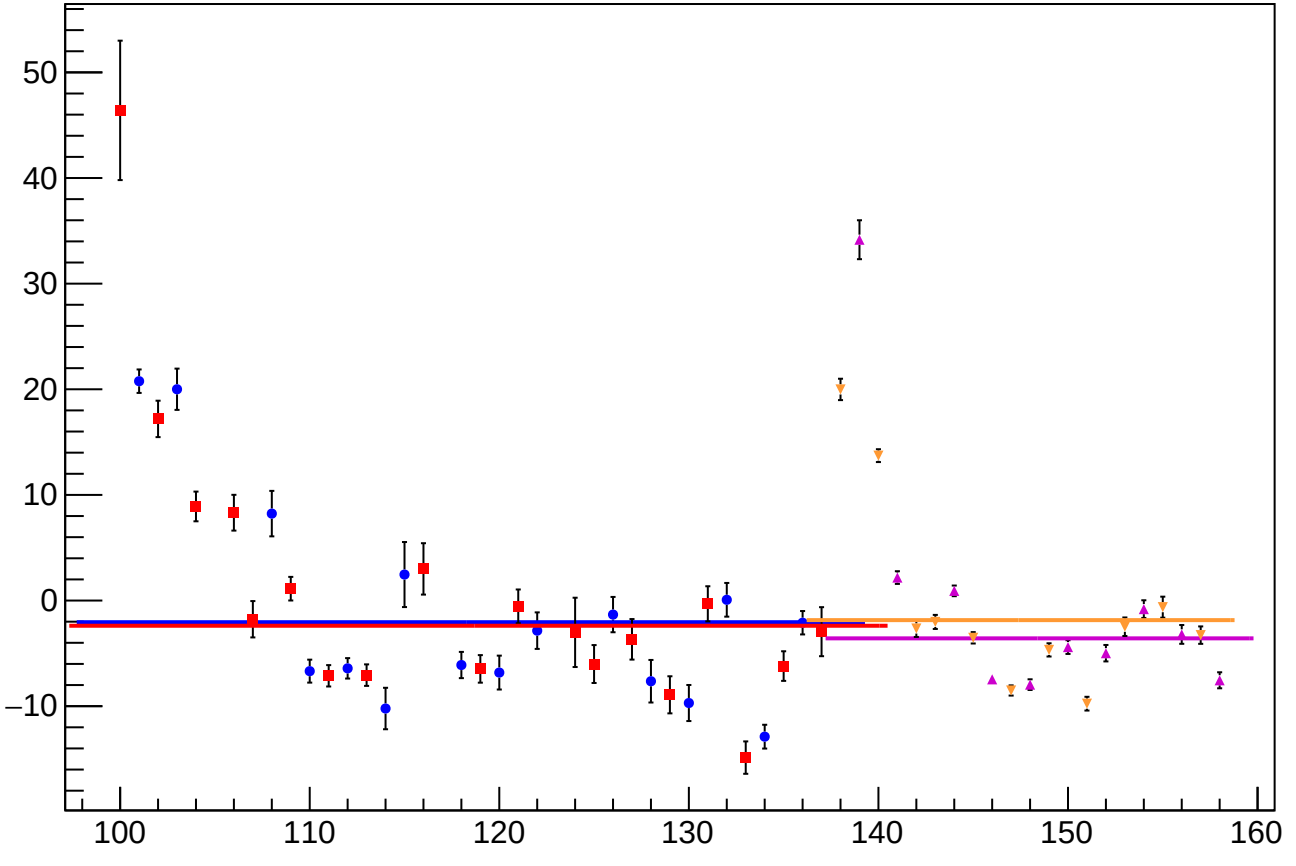
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -8.182+/-0.214 χ^2/NDF:2227.1/25

Out: -9.061+/-0.204 χ^2/NDF:4900.6/29

All: -8.643+/-0.148 χ^2/NDF: 7136.5/55

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: -1.854+/-0.204 χ^2/NDF:1496.1/10

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.580+/-0.201 χ^2/NDF:790.7/9

Left: -2.732+/-0.143 χ^2/NDF: 2323.1/20

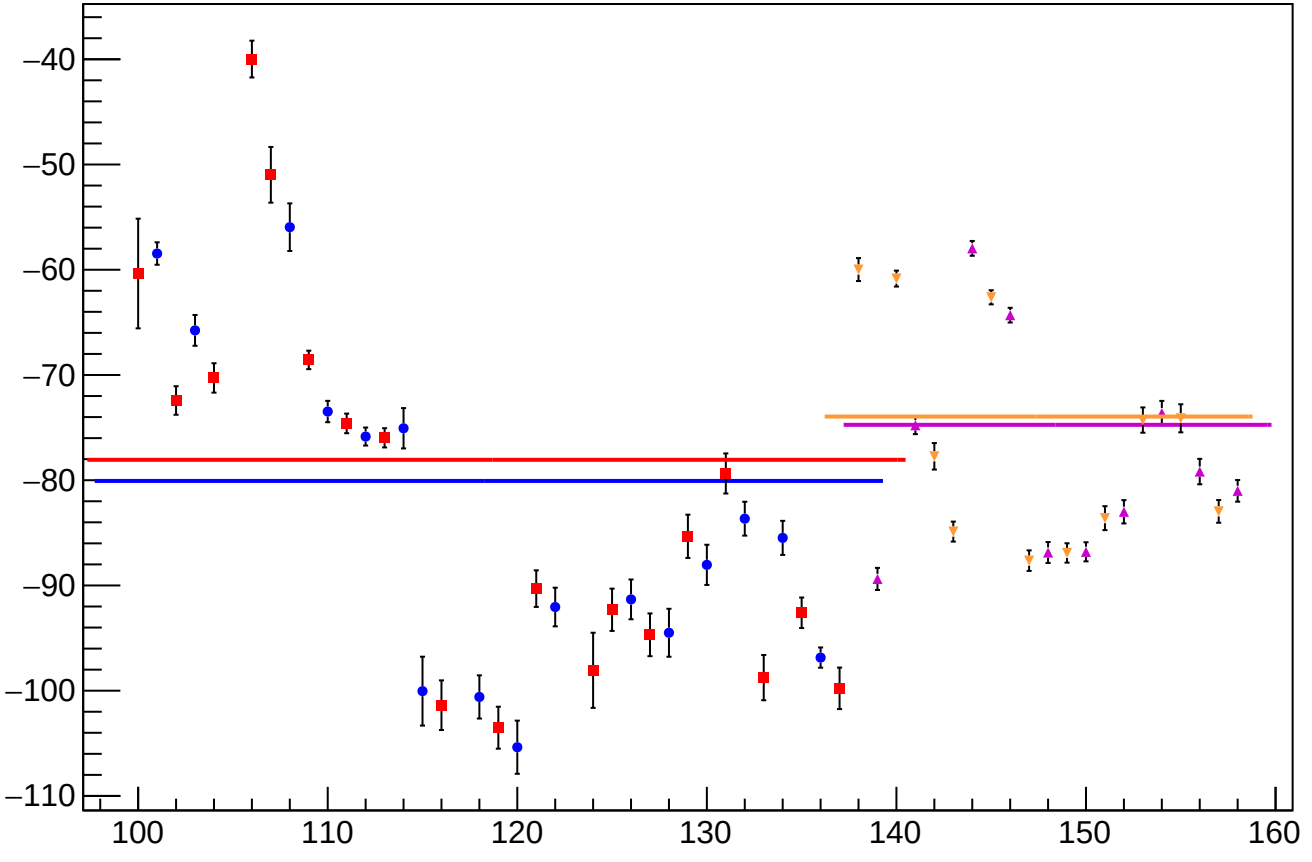
Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -3.210+/-0.175 χ^2/NDF:1576.6/25

Out: -1.986+/-0.177 χ^2/NDF:1948.7/29

All: -2.606+/-0.125 χ^2/NDF: 3549.5/55

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.949+/-0.293 χ^2/NDF:1425.8/10

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -74.736+/-0.291 χ^2/NDF:1416.4/9

Left: -74.345+/-0.207 χ^2/NDF: 2845.8/20

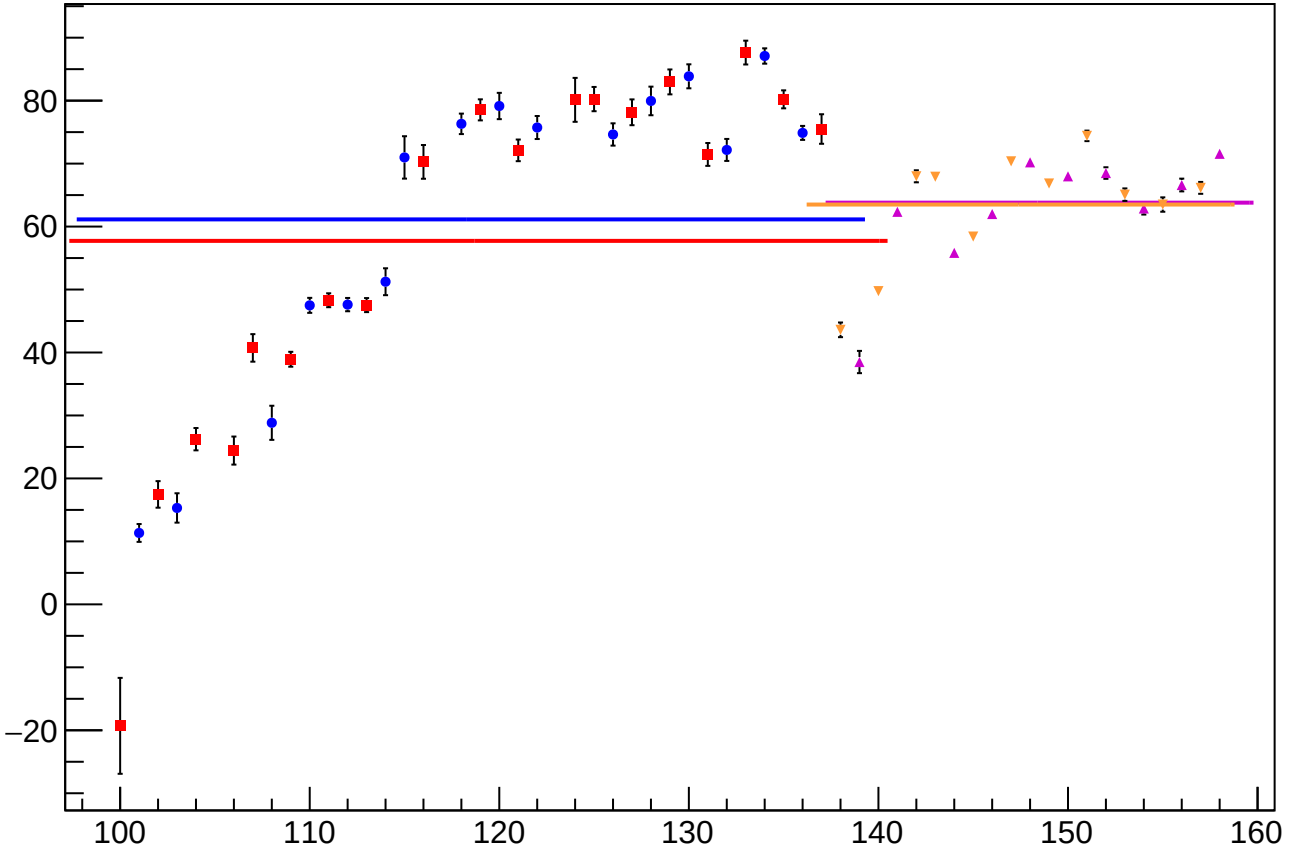
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.815+/-0.228 χ^2/NDF:2934.3/25

Out: -75.623+/-0.226 χ^2/NDF:3067.1/29

All: -76.214+/-0.160 χ^2/NDF: 6015.2/55

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: 63.498+/-0.248 χ^2/NDF:1074.7/10

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 63.798+/-0.241 χ^2/NDF:646.3/9

Left: 63.652+/-0.173 χ^2/NDF: 1721.8/20

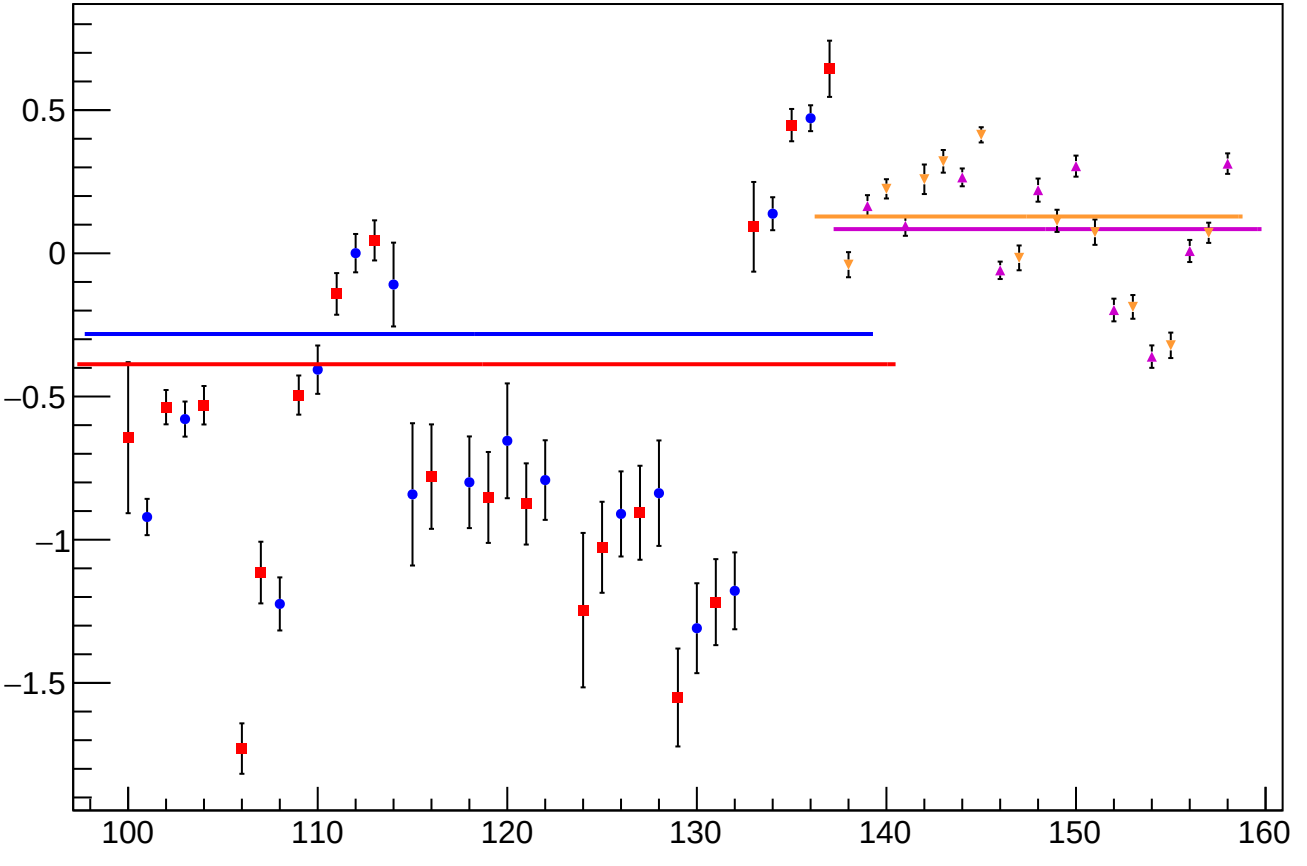
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 63.090+/-0.207 χ^2/NDF:3907.9/25

Out: 61.900+/-0.211 χ^2/NDF:4000.8/29

All: 62.506+/-0.147 χ^2/NDF: 7924.9/55

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.129+/-0.012 χ^2/NDF:343.6/10

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.084+/-0.011 χ^2/NDF:332.5/9

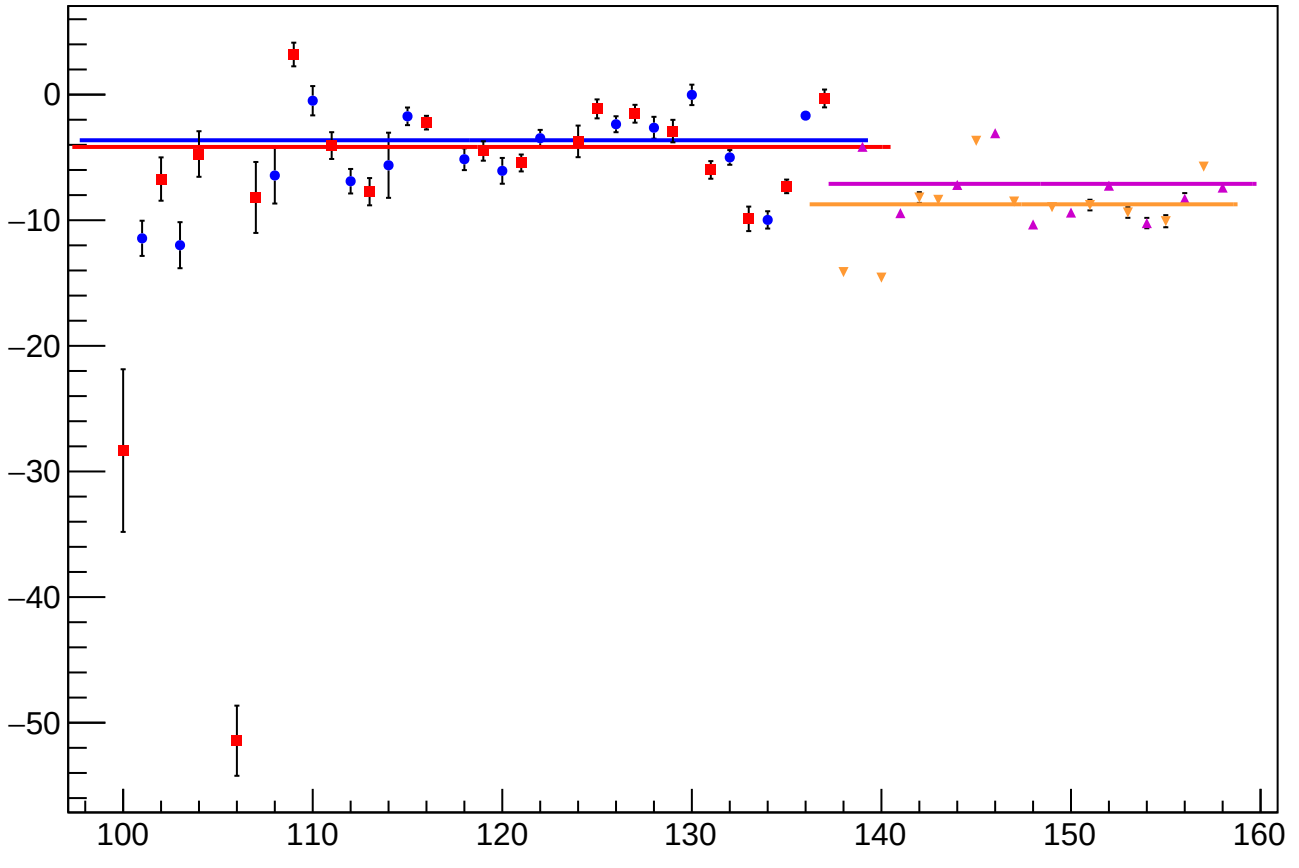
Left: 0.106+/-0.008 χ^2/NDF: 683.5/20

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.005+/-0.010 χ^2/NDF:1285.3/25

Out: 0.016+/-0.010 χ^2/NDF:1595.5/29

All: 0.010+/-0.007 χ^2/NDF: 2881.3/55



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.733+/-0.102 χ^2/NDF:1336.5/10

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -7.104+/-0.101 χ^2/NDF:619.2/9

Left: -7.912+/-0.072 χ^2/NDF: 2084.0/20

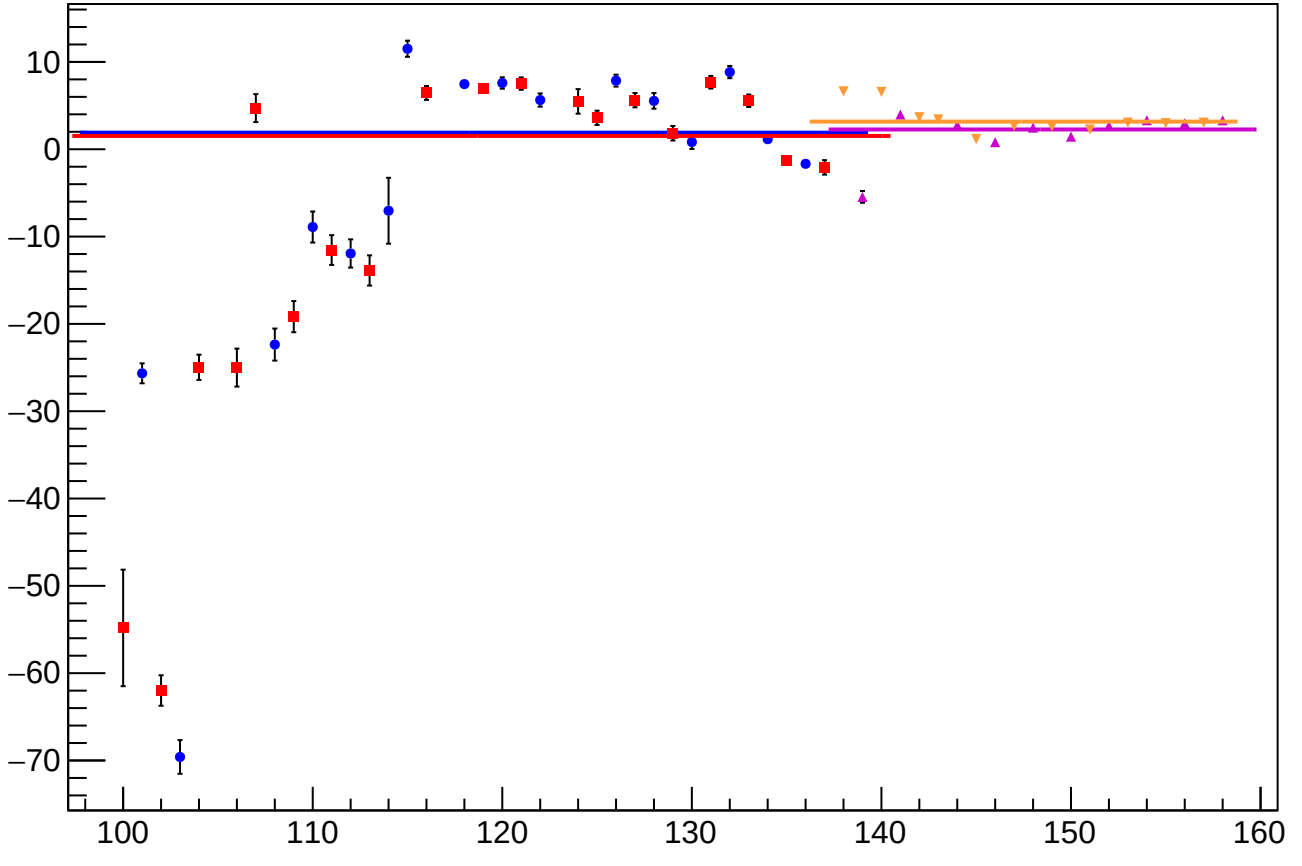
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -6.331+/-0.089 χ^2/NDF:1115.9/25

Out: -7.784+/-0.091 χ^2/NDF:2281.4/29

All: -7.044+/-0.064 χ^2/NDF: 3527.6/55

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.166+/-0.071 χ^2/NDF:507.4/10

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.265+/-0.068 χ^2/NDF:371.6/9

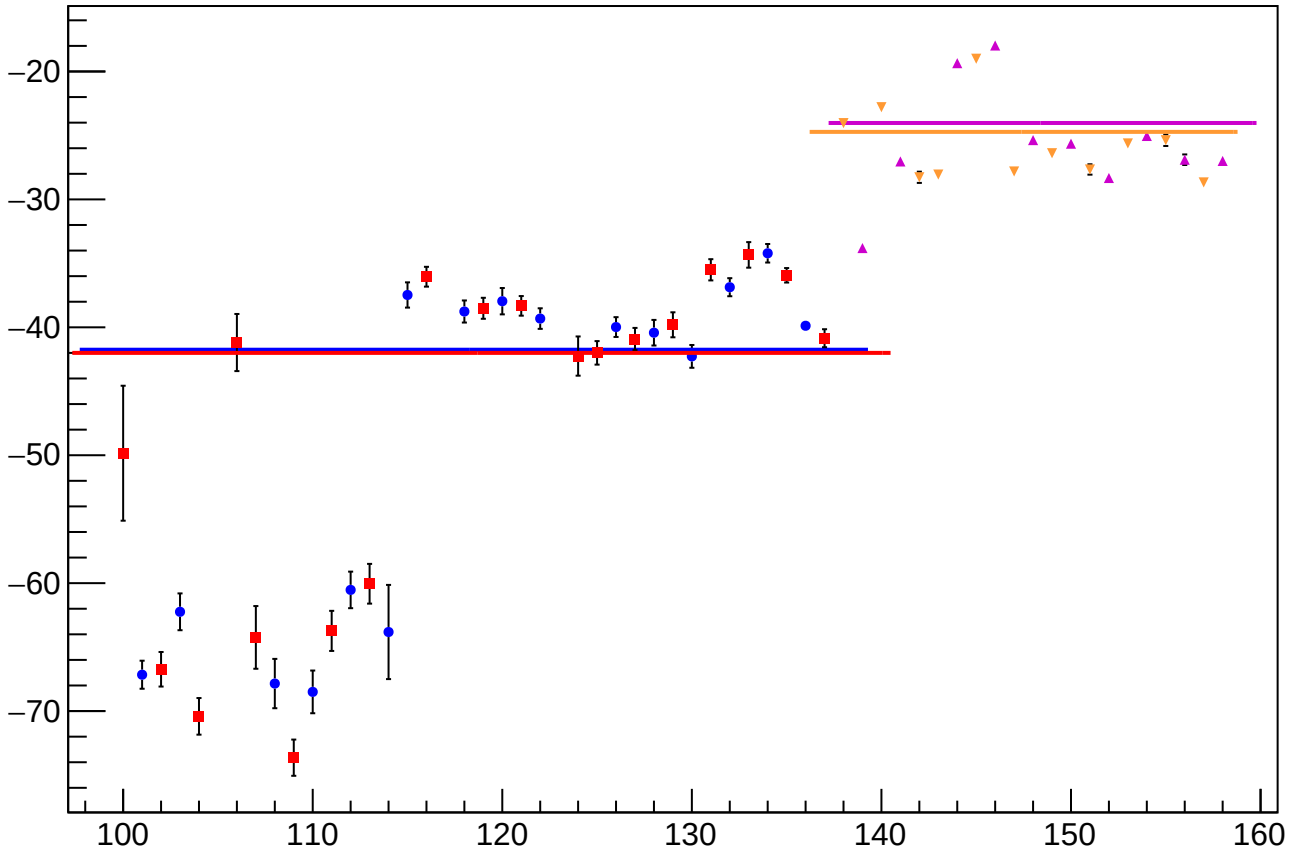
Left: 2.696+/-0.049 χ^2/NDF: 963.3/20

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.223+/-0.064 χ^2/NDF:3213.1/25

Out: 2.996+/-0.067 χ^2/NDF:3122.8/29

All: 2.590+/-0.046 χ^2/NDF: 6405.5/55



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.721+/-0.101 χ^2/NDF:1174.7/10

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -24.026+/-0.099 χ^2/NDF:2196.0/9

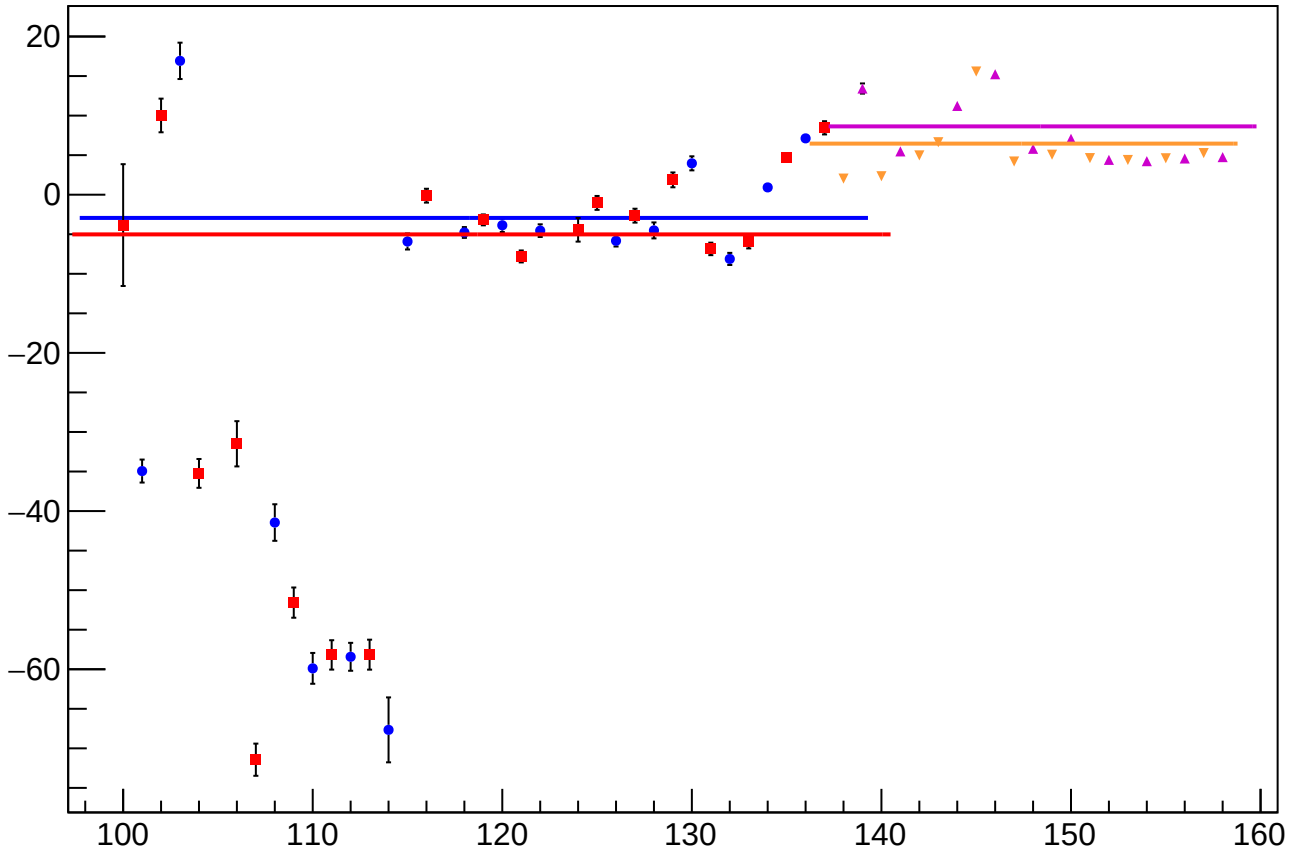
Left: -24.365+/-0.071 χ^2/NDF: 3395.0/20

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.288+/-0.089 χ^2/NDF:9776.5/25

Out: -27.553+/-0.092 χ^2/NDF:7950.0/29

All: -27.416+/-0.064 χ^2/NDF: 17730.8/55



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.458+/-0.086 χ^2/NDF:2645.8/10

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.637+/-0.081 χ^2/NDF:2747.8/9

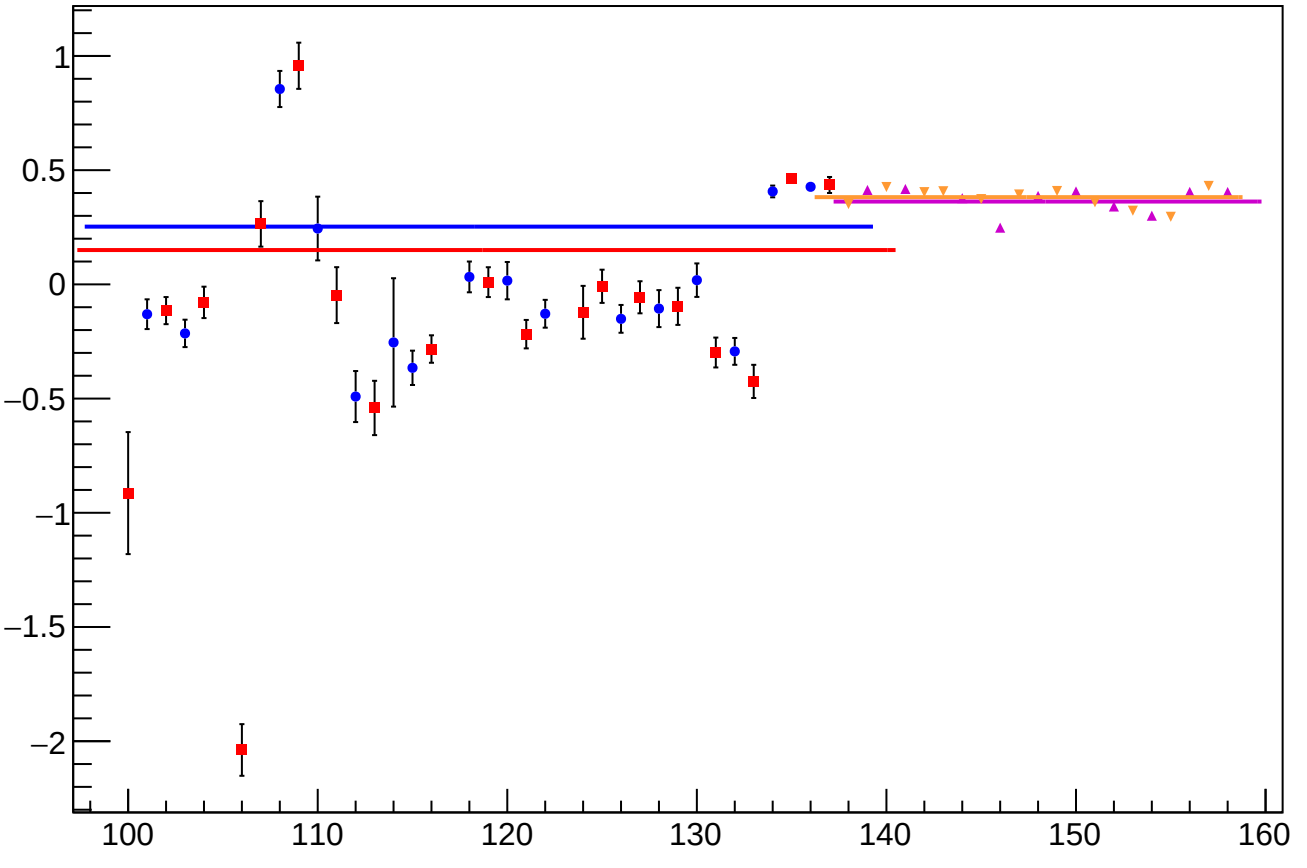
Left: 7.603+/-0.059 χ^2/NDF: 5734.0/20

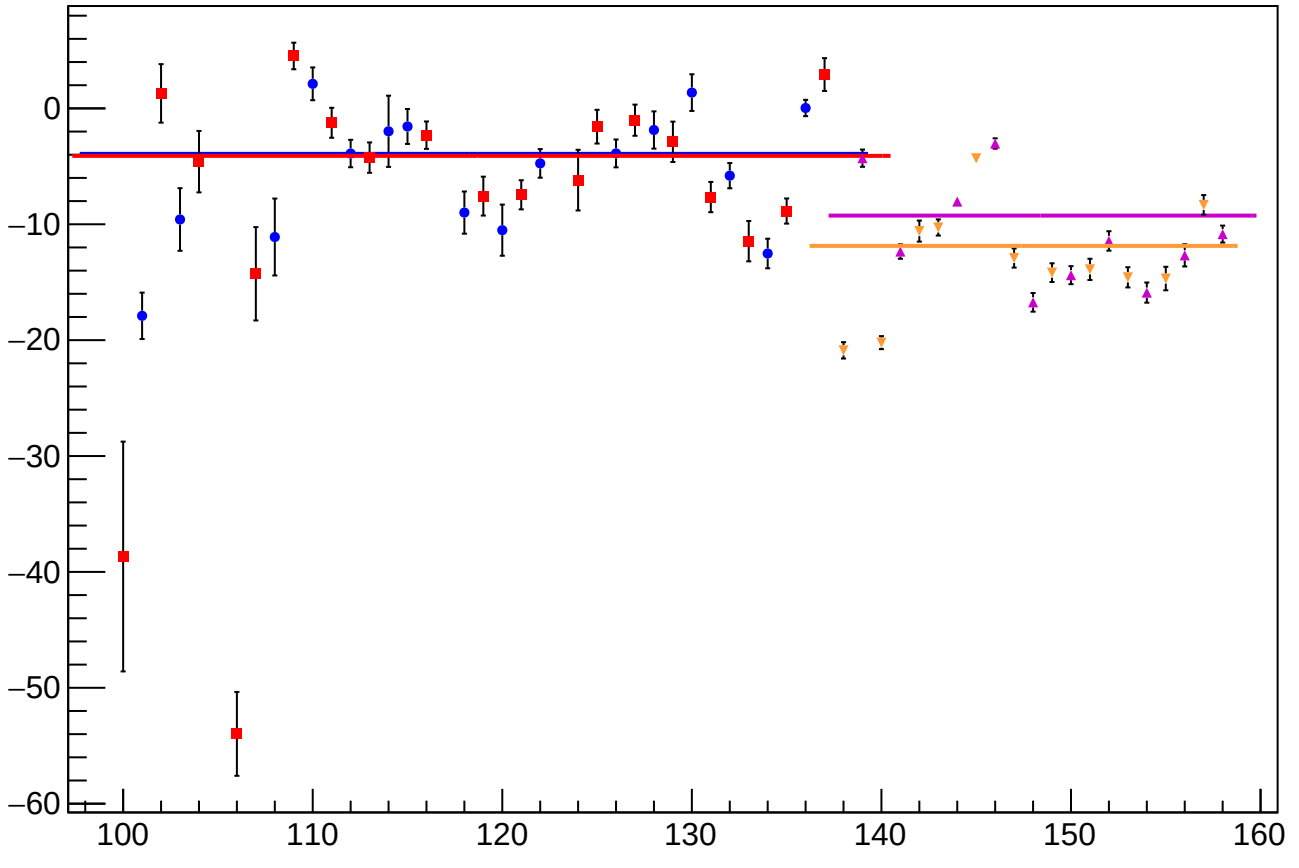
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.123+/-0.076 χ^2/NDF:9121.7/25

Out: 5.082+/-0.080 χ^2/NDF:9180.2/29

All: 6.160+/-0.055 χ^2/NDF: 18643.5/55


reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: 0.253+/-0.011 χ²/NDF: 631.0/15
Left Out: 0.382+/-0.004 χ²/NDF:99.1/10
Right Out: 0.150+/-0.013 χ²/NDF: 1018.0/18
Left In: 0.363+/-0.004 χ²/NDF:239.2/9
Left: 0.372+/-0.003 χ²/NDF: 350.5/20
Right: 0.209+/-0.009 χ²/NDF: 1682.8/34
In: 0.351+/-0.004 χ²/NDF:952.4/25
Out: 0.363+/-0.004 χ²/NDF:1393.3/29
All: 0.357+/-0.003 χ²/NDF: 2350.4/55



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.865+/-0.210 χ^2/NDF:809.2/10

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -9.251+/-0.206 χ^2/NDF:482.5/9

Left: -10.533+/-0.147 χ^2/NDF: 1370.8/20

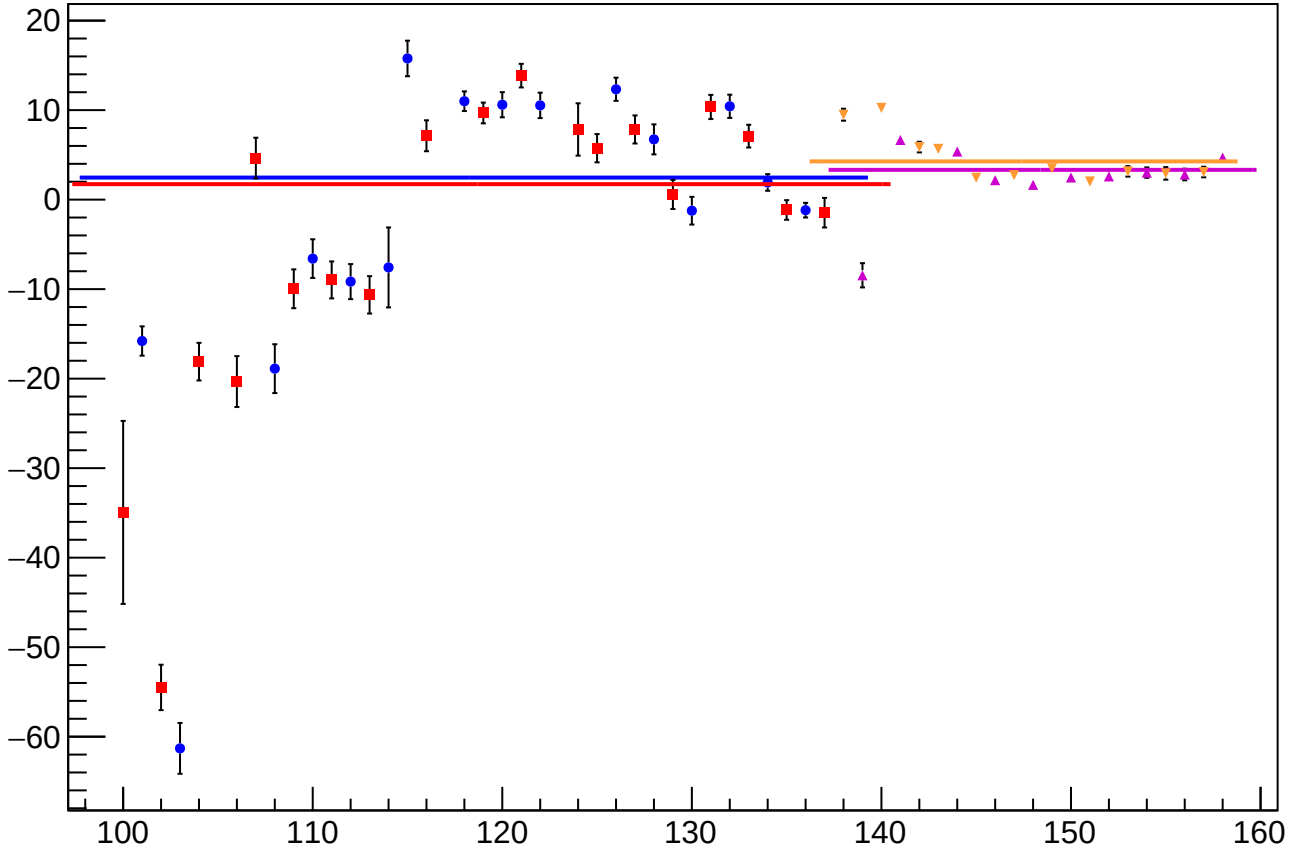
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -7.859+/-0.177 χ^2/NDF:846.4/25

Out: -9.871+/-0.181 χ^2/NDF:1528.4/29

All: -8.843+/-0.126 χ^2/NDF: 2438.0/55

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.272+/-0.147 χ^2/NDF:326.8/10

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.327+/-0.138 χ^2/NDF:223.0/9

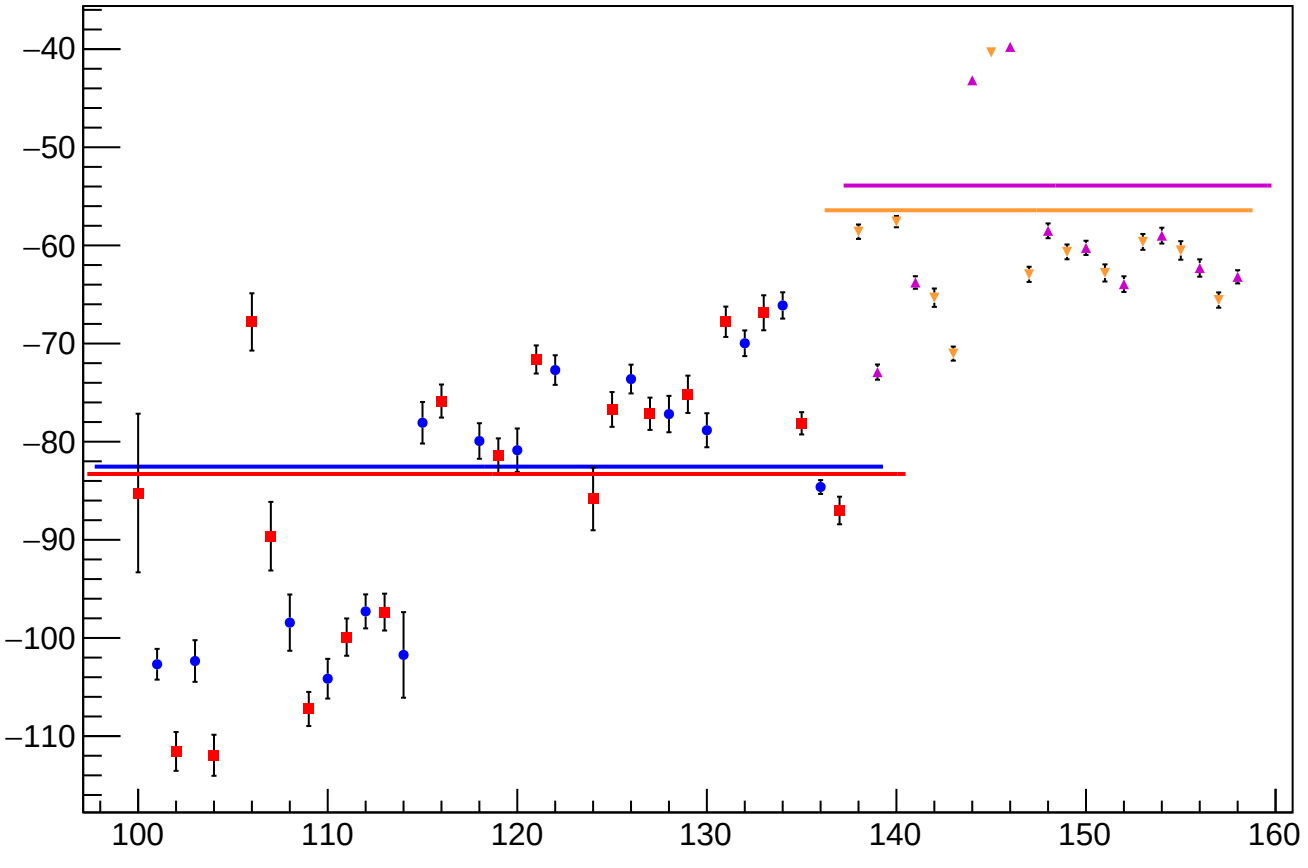
Left: 3.767+/-0.101 χ^2/NDF: 571.7/20

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.216+/-0.128 χ^2/NDF:1274.8/25

Out: 3.949+/-0.138 χ^2/NDF:1347.8/29

All: 3.557+/-0.094 χ^2/NDF: 2637.8/55



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -56.421+/-0.208 χ^2/NDF:2413.7/10

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -53.901+/-0.201 χ^2/NDF:3086.9/9

Left: -55.115+/-0.145 χ^2/NDF: 5576.3/20

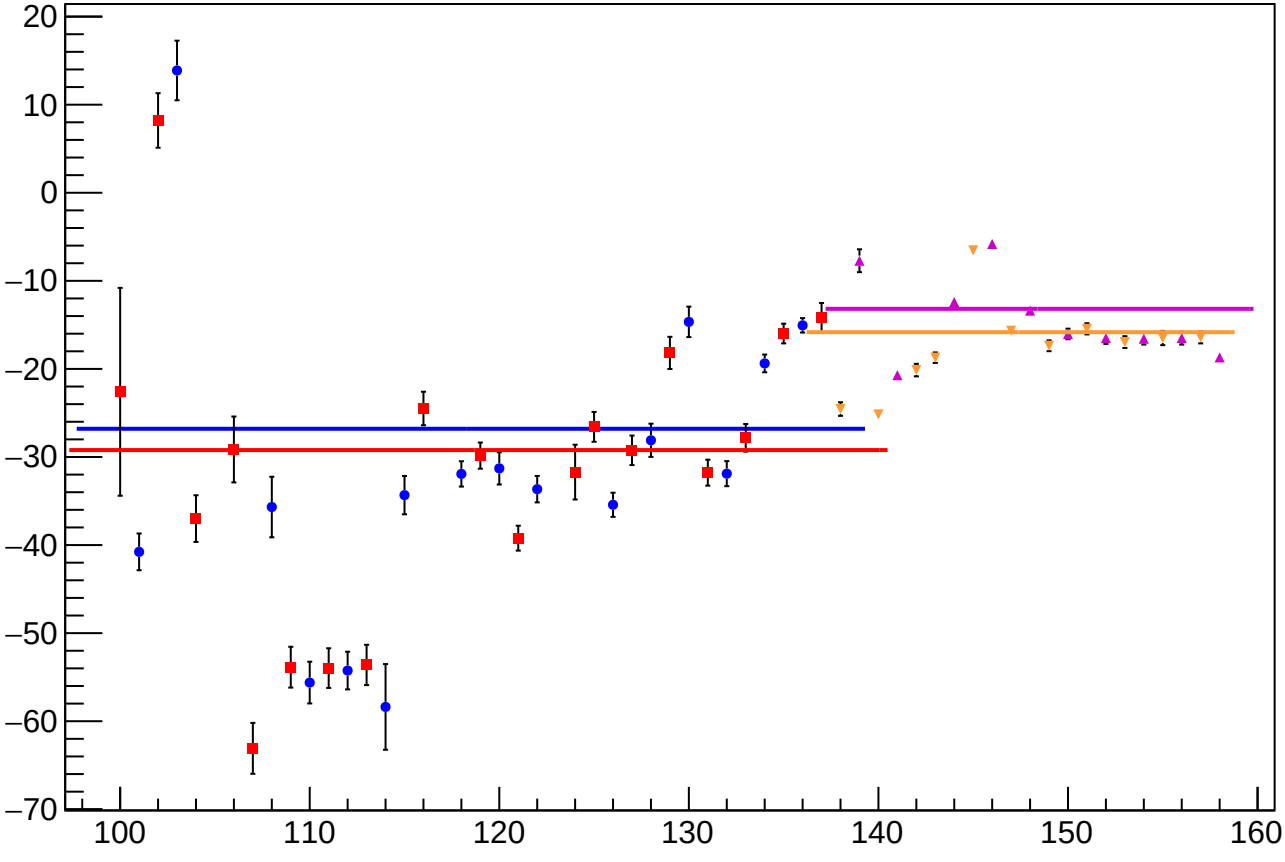
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -60.051+/-0.178 χ^2/NDF:8287.0/25

Out: -61.847+/-0.186 χ^2/NDF:6863.5/29

All: -60.910+/-0.129 χ^2/NDF: 15199.1/55

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.829+/-0.177 χ^2/NDF:1119.7/10

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -13.177+/-0.165 χ^2/NDF:911.9/9

Left: -14.411+/-0.121 χ^2/NDF: 2151.2/20

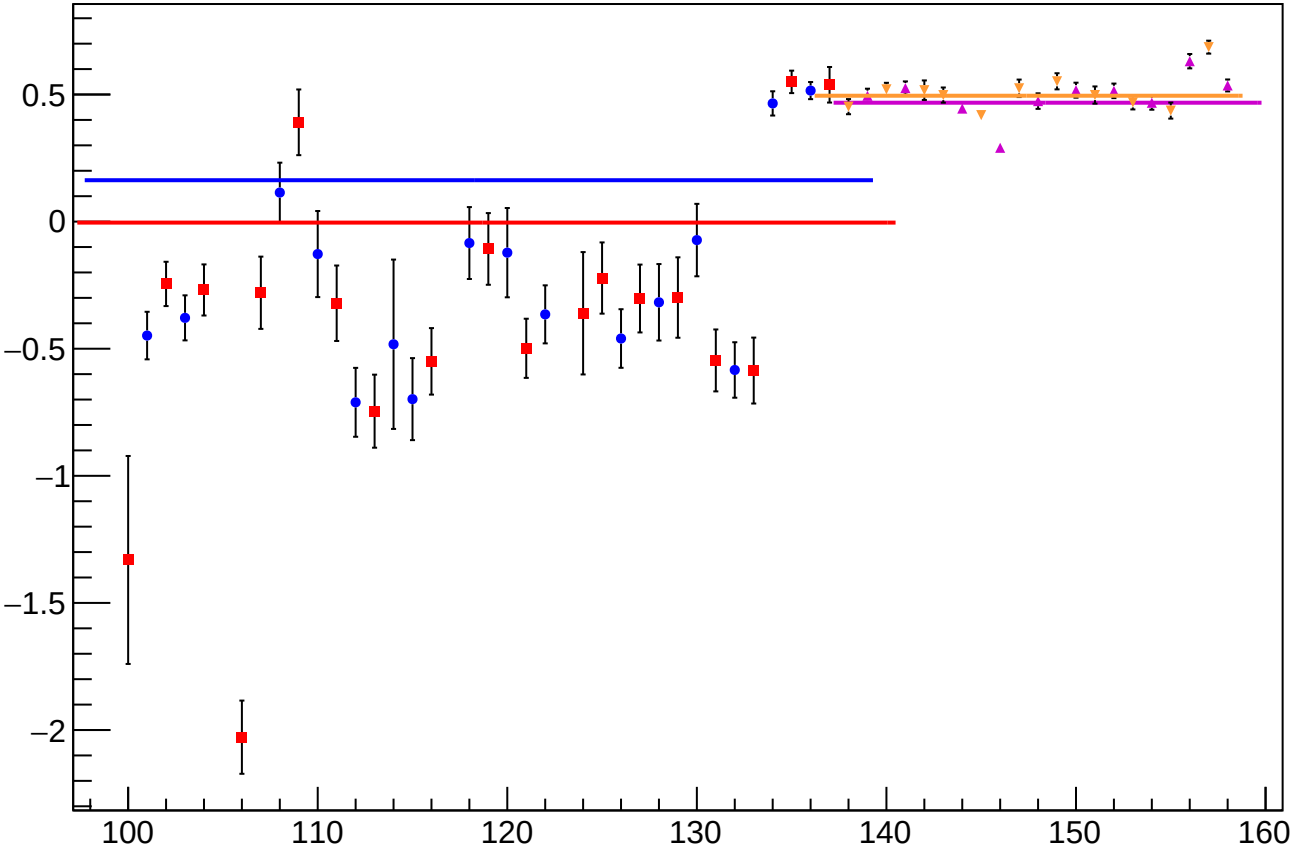
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.204+/-0.153 χ^2/NDF:2884.2/25

Out: -17.766+/-0.164 χ^2/NDF:2905.1/29

All: -16.393+/-0.112 χ^2/NDF: 5920.2/55

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.495+/-0.008 χ^2/NDF:90.1/10

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.468+/-0.008 χ^2/NDF:144.1/9

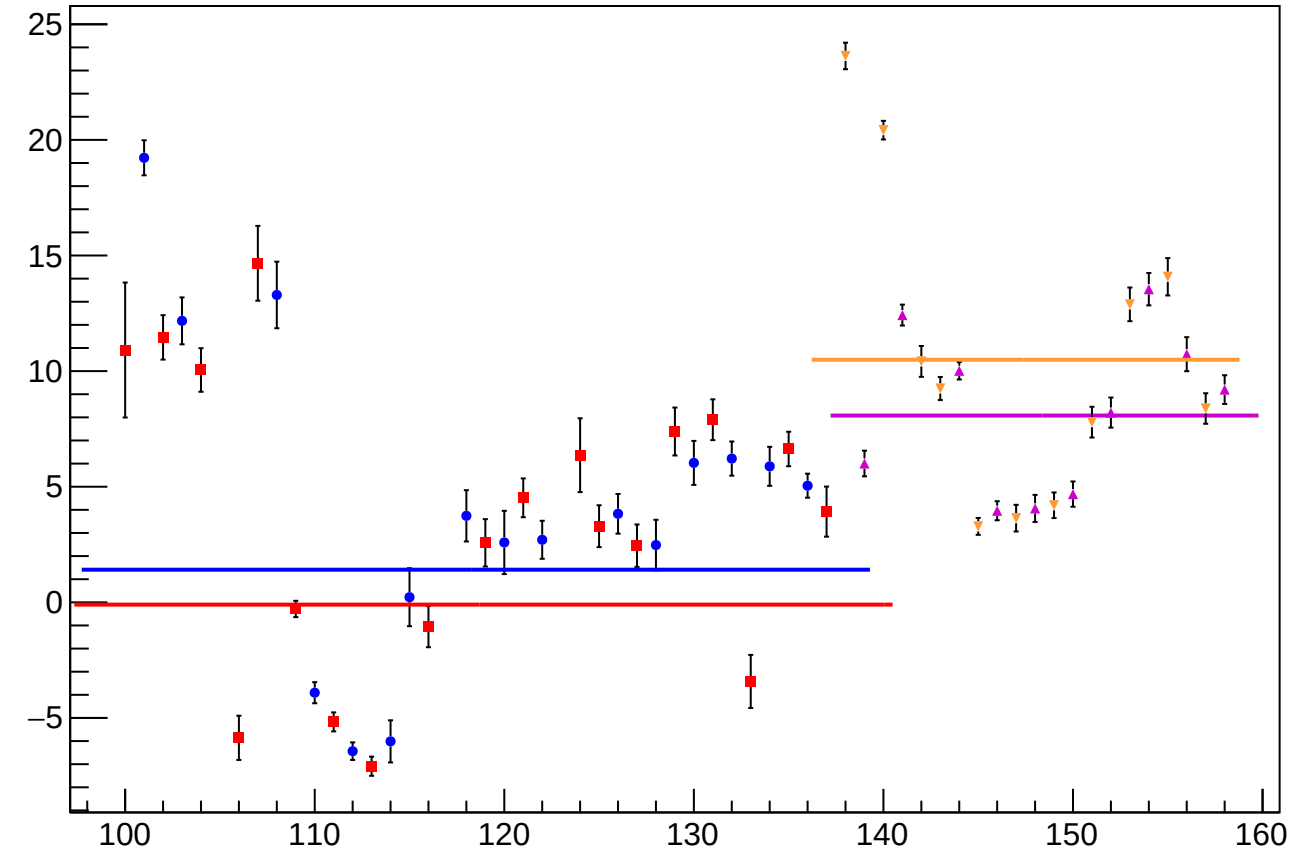
Left: 0.481+/-0.006 χ^2/NDF: 240.1/20

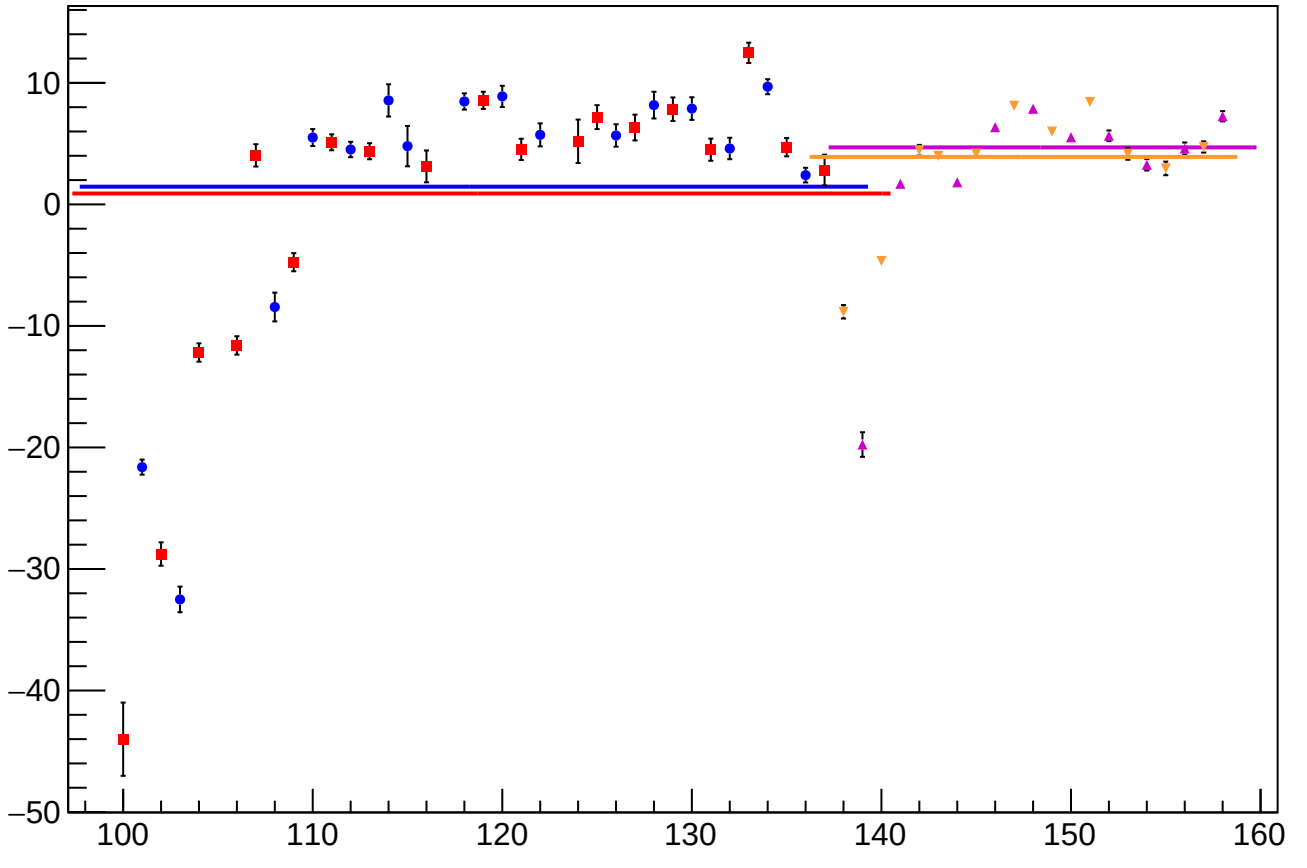
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.431+/-0.007 χ^2/NDF:745.3/25

Out: 0.444+/-0.008 χ^2/NDF:1039.0/29

All: 0.437+/-0.005 χ^2/NDF: 1785.9/55


reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 1.412+/-0.183 χ²/NDF: 1522.1/15
Left Out: 10.493+/-0.164 χ²/NDF:1855.0/10
Right Out: -0.098+/-0.167 χ²/NDF: 1147.2/18
Left In: 8.079+/-0.166 χ²/NDF:395.8/9
Left: 9.302+/-0.117 χ²/NDF: 2357.7/20
Right: 0.589+/-0.124 χ²/NDF: 2706.4/34
In: 5.066+/-0.123 χ²/NDF:2644.6/25
Out: 5.306+/-0.117 χ²/NDF:5044.8/29
All: 5.192+/-0.085 χ²/NDF: 7691.4/55



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.909+/-0.113 χ^2/NDF:1642.7/10

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.693+/-0.112 χ^2/NDF:1009.9/9

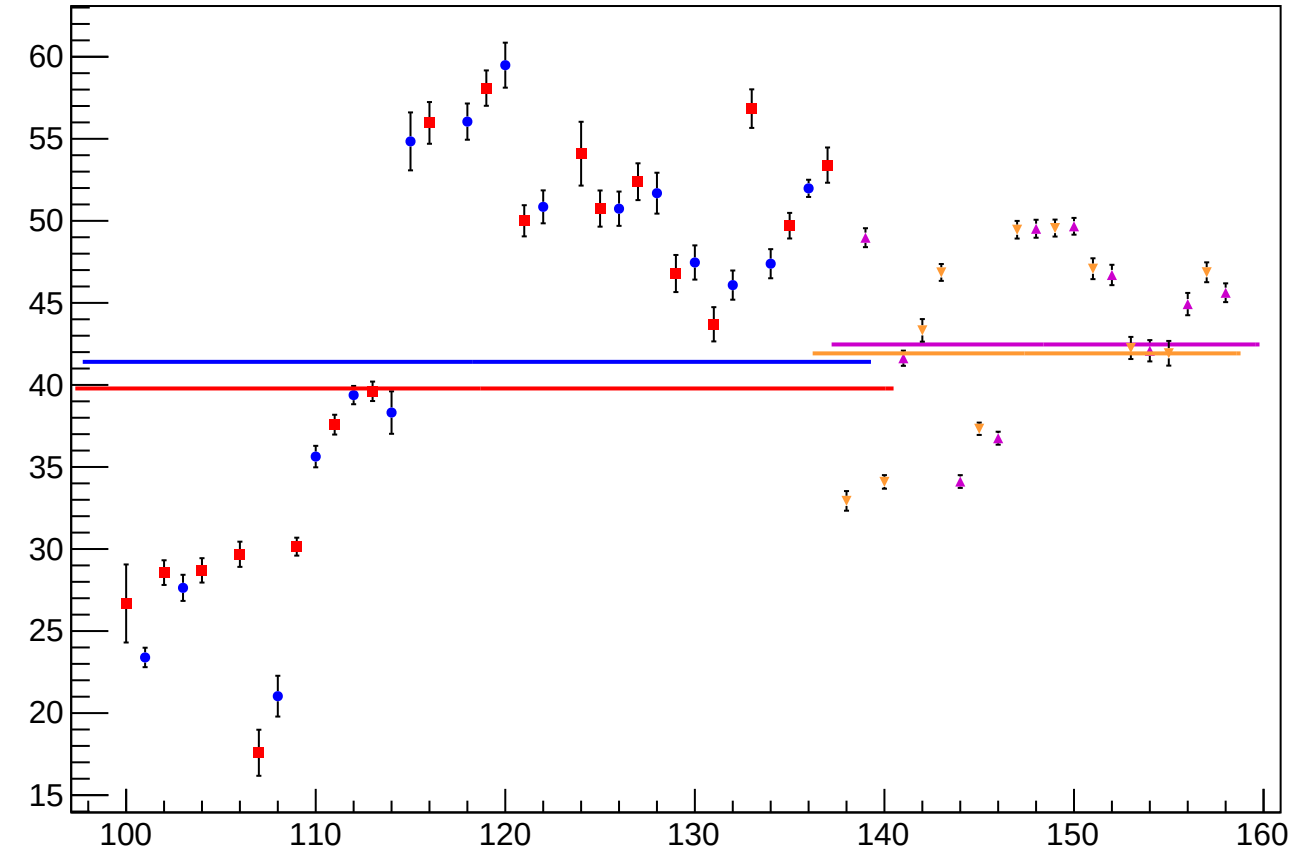
Left: 4.306+/-0.079 χ^2/NDF: 2676.9/20

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.945+/-0.098 χ^2/NDF:4284.4/25

Out: 3.189+/-0.099 χ^2/NDF:4189.0/29

All: 3.570+/-0.069 χ^2/NDF: 8502.9/55



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.922+/-0.162 χ^2/NDF:1376.6/10

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 42.467+/-0.162 χ^2/NDF:1255.7/9

Left: 42.195+/-0.115 χ^2/NDF: 2637.9/20

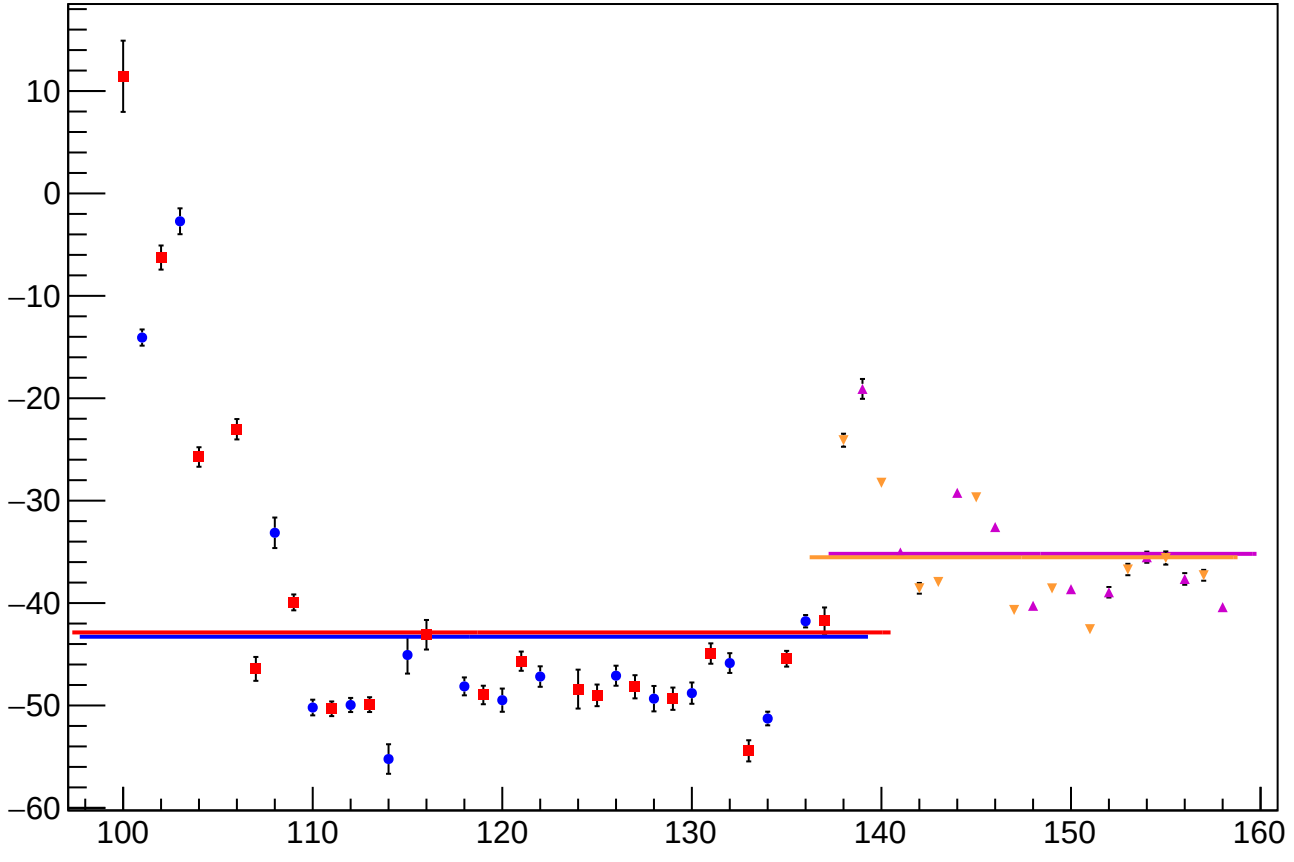
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 42.072+/-0.129 χ^2/NDF:4017.6/25

Out: 41.088+/-0.127 χ^2/NDF:4098.1/29

All: 41.573+/-0.090 χ^2/NDF: 8145.5/55

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: -35.527+/-0.137 χ^2/NDF:1499.0/10

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -35.194+/-0.134 χ^2/NDF:1133.2/9

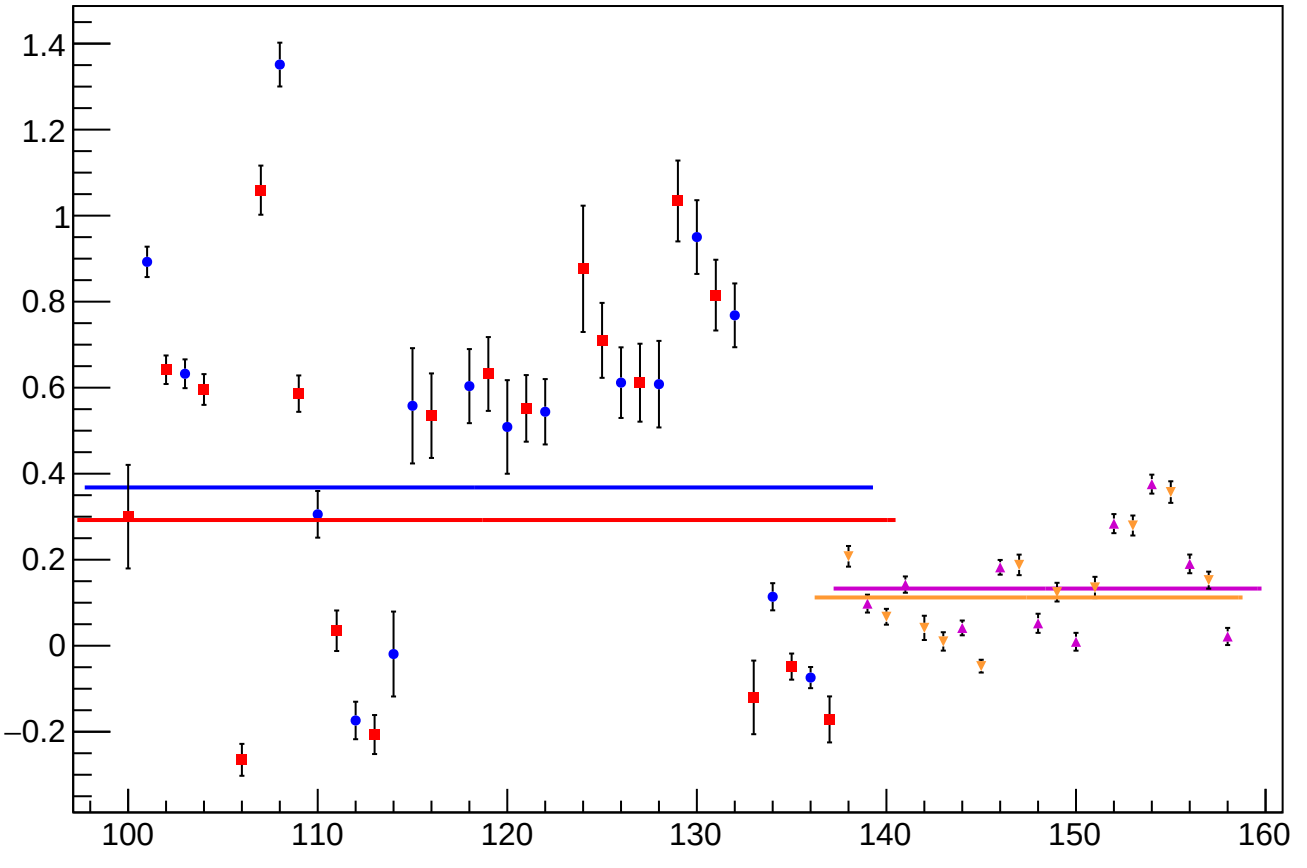
Left: -35.357+/-0.096 χ^2/NDF: 2635.2/20

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -37.258+/-0.116 χ^2/NDF:5045.8/25

Out: -37.464+/-0.118 χ^2/NDF:4709.2/29

All: -37.359+/-0.083 χ^2/NDF: 9756.6/55



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.112+/-0.006 χ^2/NDF:328.3/10

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.133+/-0.006 χ^2/NDF:294.4/9

Left: 0.123+/-0.005 χ^2/NDF: 628.0/20

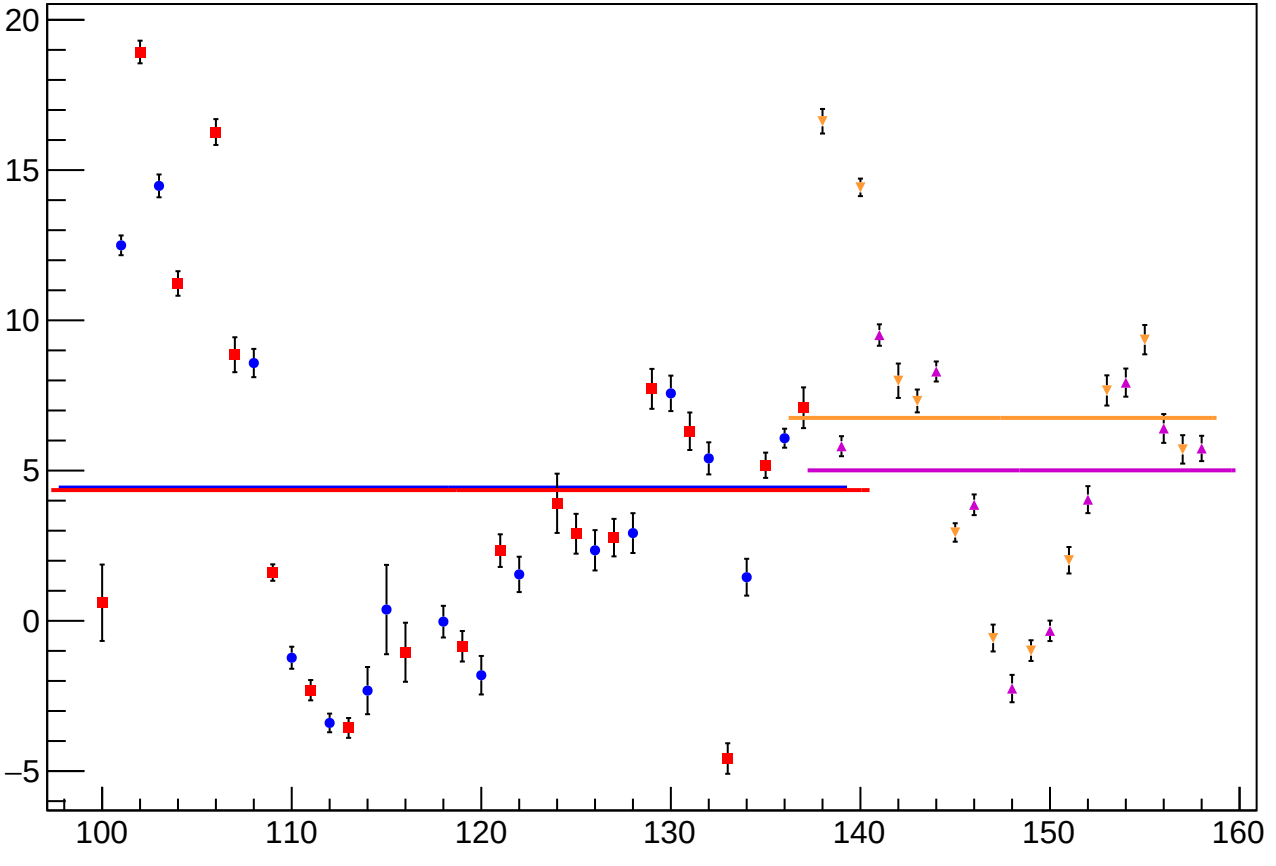
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.183+/-0.006 χ^2/NDF:1907.9/25

Out: 0.152+/-0.006 χ^2/NDF:1700.0/29

All: 0.168+/-0.004 χ^2/NDF: 3622.8/55

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: 6.753+/-0.120 χ^2/NDF:2364.7/10

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 5.008+/-0.122 χ^2/NDF:829.5/9

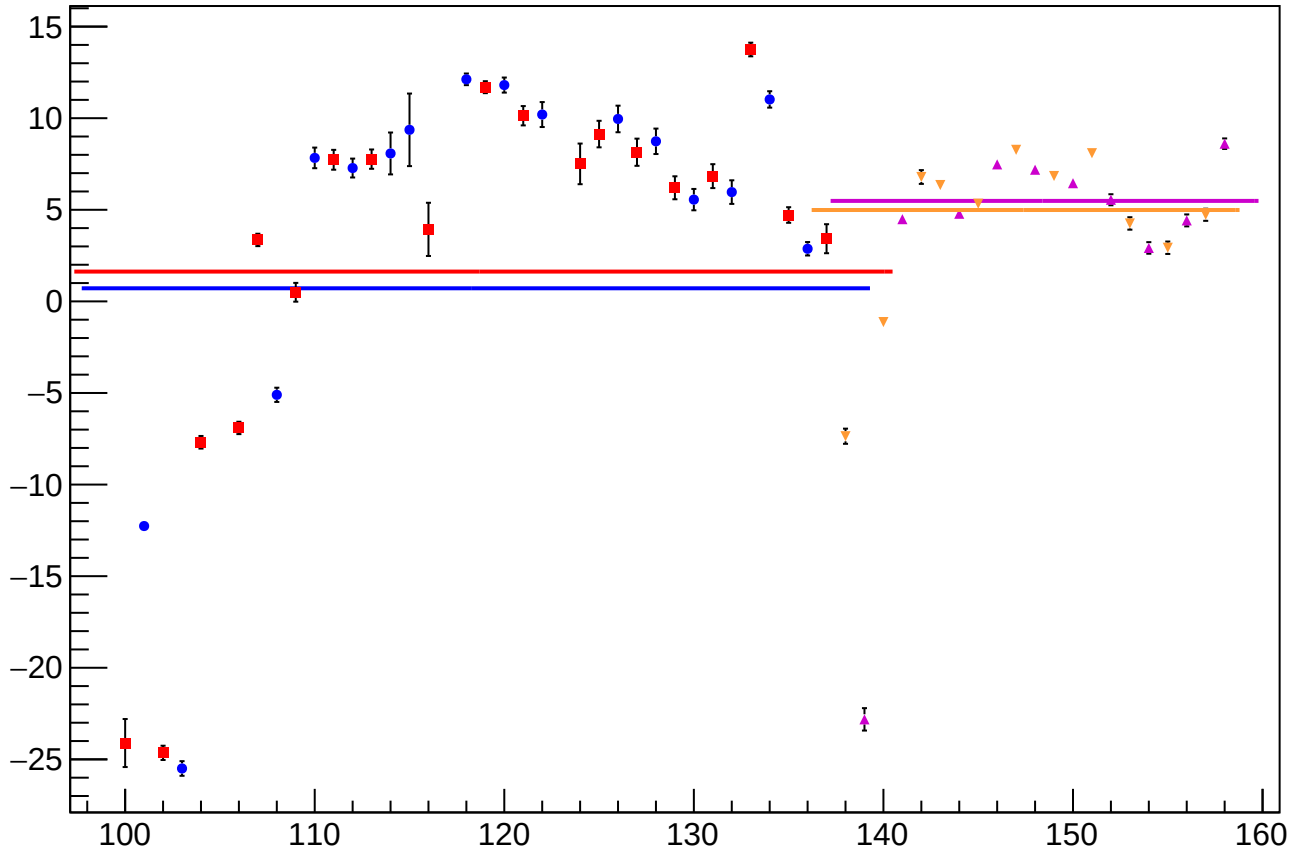
Left: 5.895+/-0.085 χ^2/NDF: 3298.3/20

Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.710+/-0.084 χ^2/NDF:3463.1/25

Out: 5.439+/-0.081 χ^2/NDF:6789.4/29

All: 5.090+/-0.058 χ^2/NDF: 10291.5/55



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.988+/-0.083 χ^2/NDF:2084.7/10

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.485+/-0.085 χ^2/NDF:2525.1/9

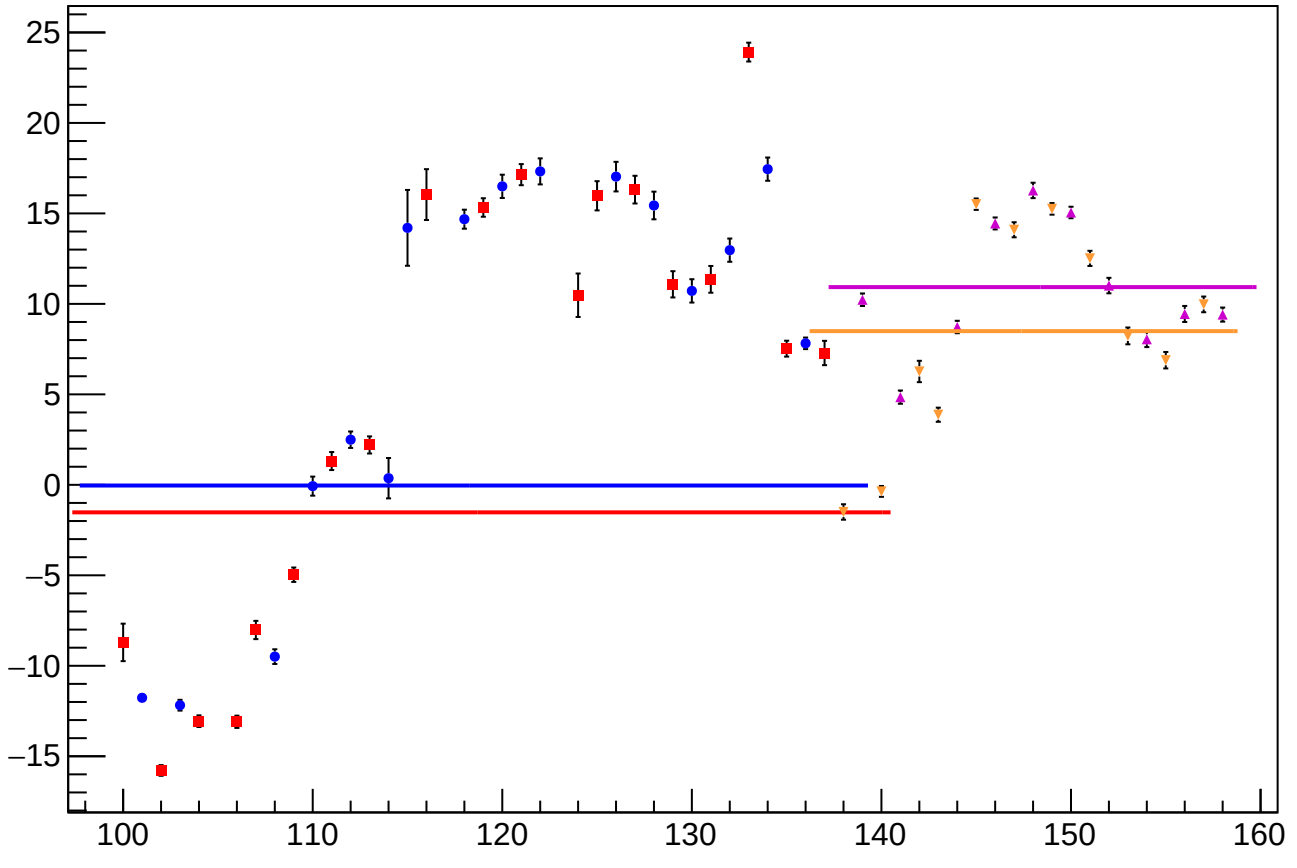
Left: 5.232+/-0.059 χ^2/NDF: 4627.3/20

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.819+/-0.069 χ^2/NDF:14080.9/25

Out: 3.779+/-0.067 χ^2/NDF:11927.2/29

All: 3.798+/-0.048 χ^2/NDF: 26008.2/55



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 8.494+/-0.118 χ^2/NDF:2809.6/10

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.927+/-0.118 χ^2/NDF:830.0/9

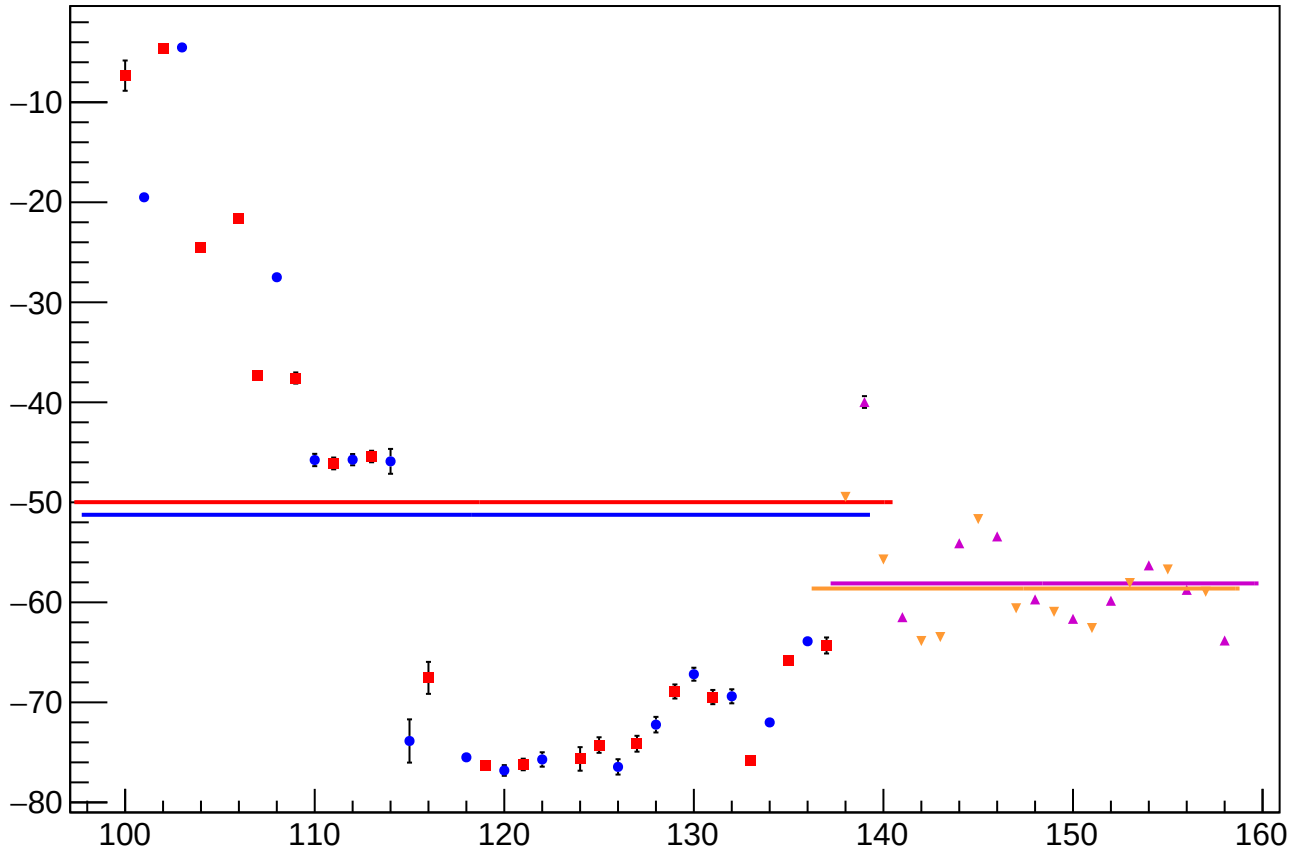
Left: 9.705+/-0.084 χ^2/NDF: 3851.6/20

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.487+/-0.084 χ^2/NDF:14356.7/25

Out: 3.368+/-0.082 χ^2/NDF:18636.5/29

All: 4.405+/-0.059 χ^2/NDF: 33317.5/55



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.618+/-0.100 χ^2/NDF:1712.8/10

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -58.107+/-0.101 χ^2/NDF:2205.6/9

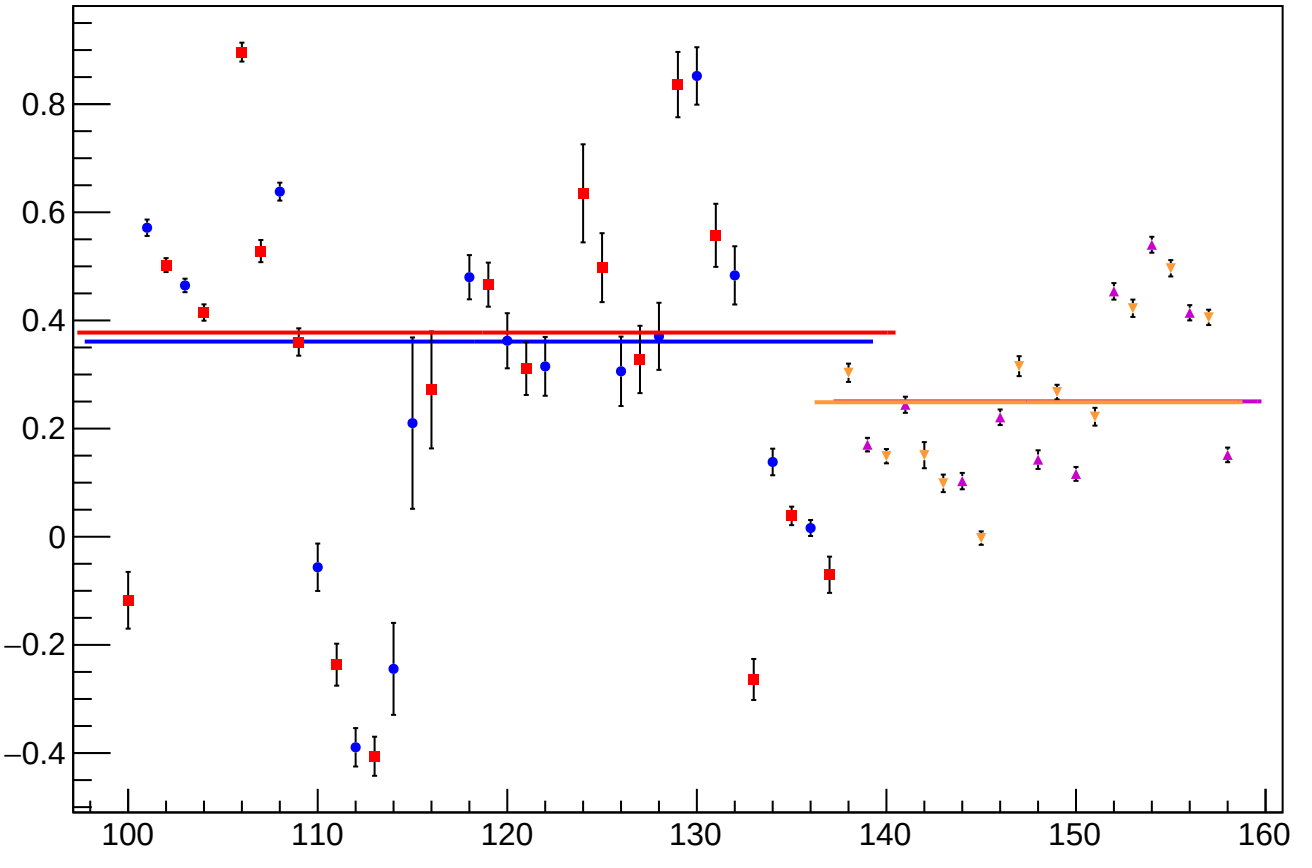
Left: -58.363+/-0.071 χ^2/NDF: 3931.3/20

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.677+/-0.081 χ^2/NDF:37620.3/25

Out: -55.417+/-0.080 χ^2/NDF:38353.1/29

All: -55.545+/-0.057 χ^2/NDF: 75978.6/55



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.249+/-0.005 χ^2/NDF:1101.1/10

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.250+/-0.005 χ^2/NDF:1039.3/9

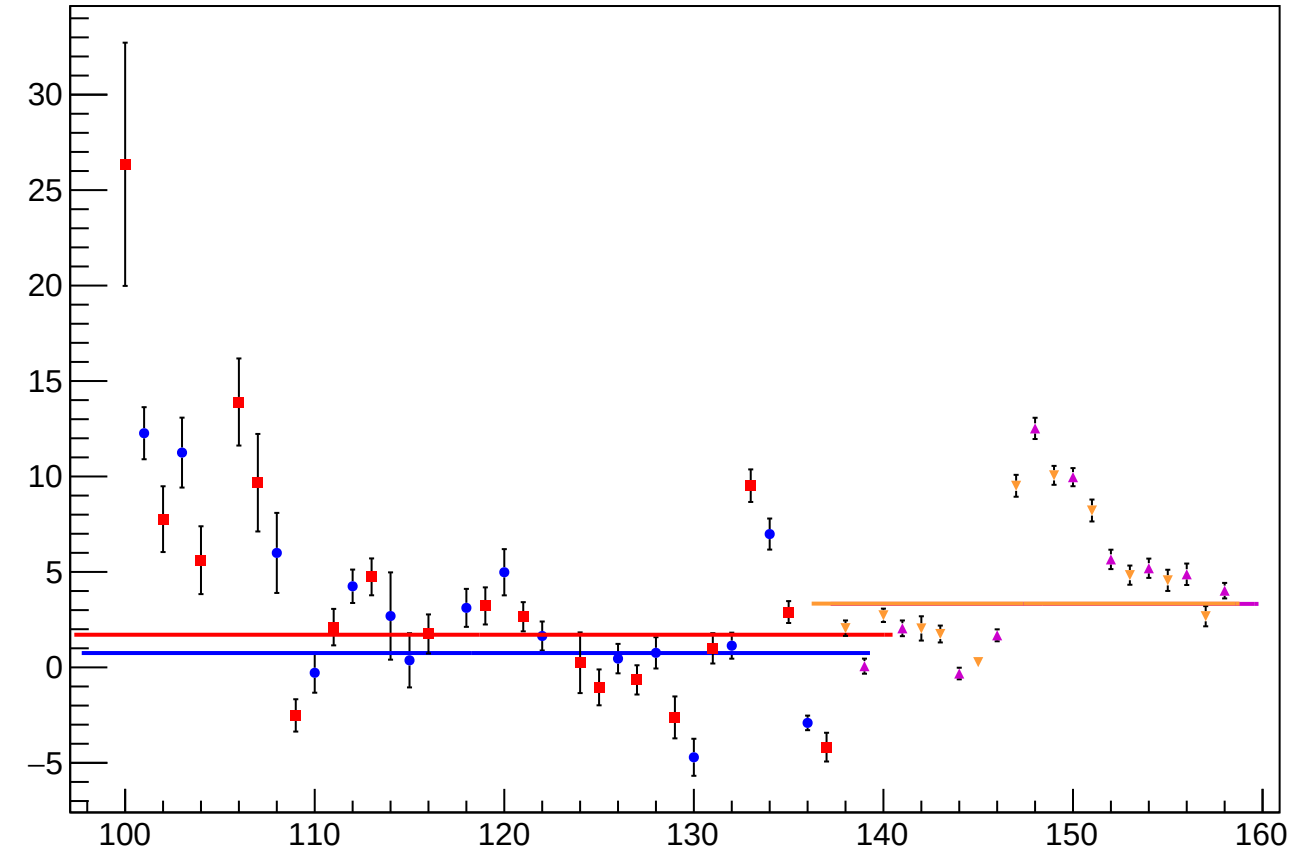
Left: 0.250+/-0.003 χ^2/NDF: 2140.4/20

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.287+/-0.004 χ^2/NDF:3099.9/25

Out: 0.296+/-0.004 χ^2/NDF:4173.5/29

All: 0.292+/-0.003 χ^2/NDF: 7275.9/55



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.341+/-0.132 χ^2/NDF:553.0/10

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 3.326+/-0.131 χ^2/NDF:762.8/9

Left: 3.333+/-0.093 χ^2/NDF: 1315.7/20

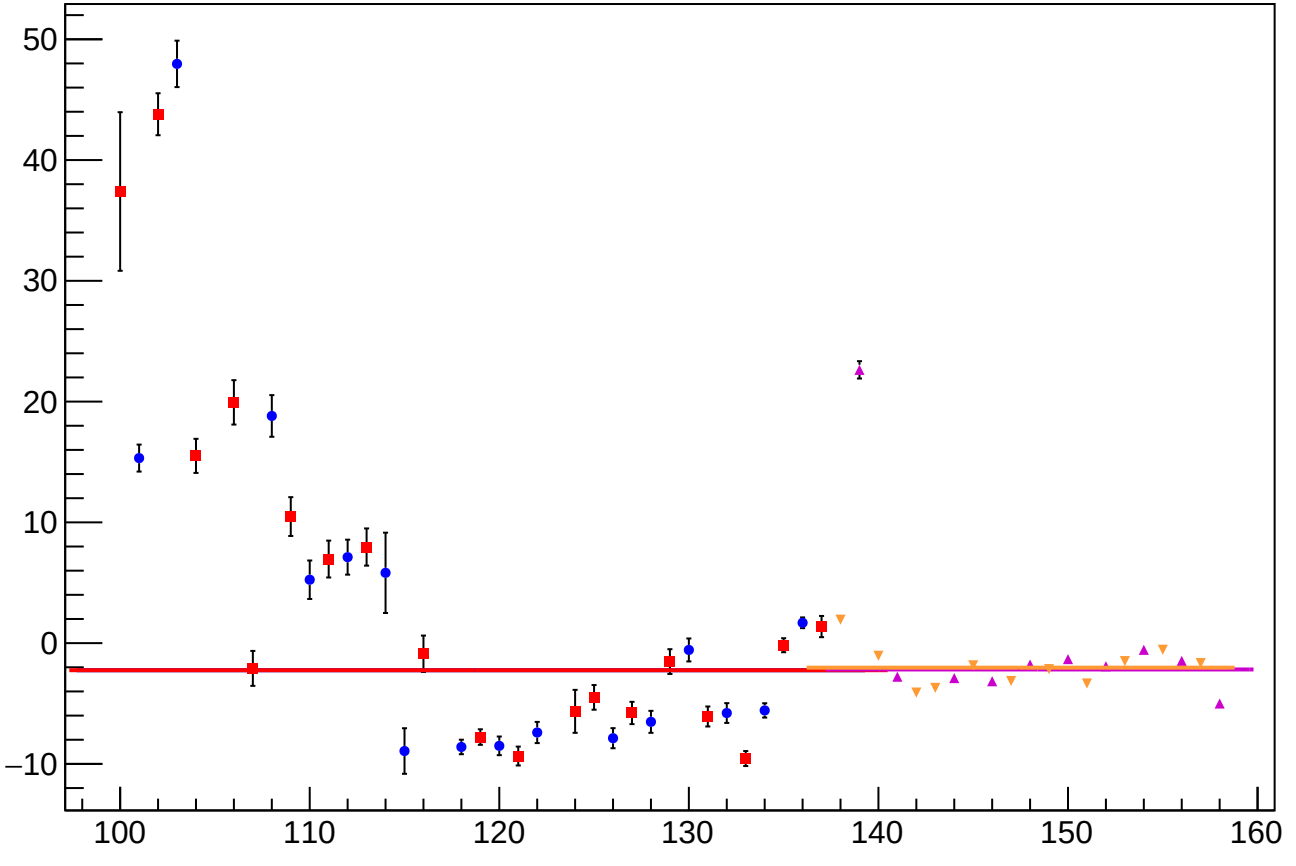
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.614+/-0.112 χ^2/NDF:1199.1/25

Out: 2.916+/-0.114 χ^2/NDF:886.4/29

All: 2.763+/-0.080 χ^2/NDF: 2089.1/55

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.031+/-0.094 χ^2/NDF:218.5/10

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.180+/-0.091 χ^2/NDF:1374.4/9

Left: -2.108+/-0.065 χ^2/NDF: 1594.3/20

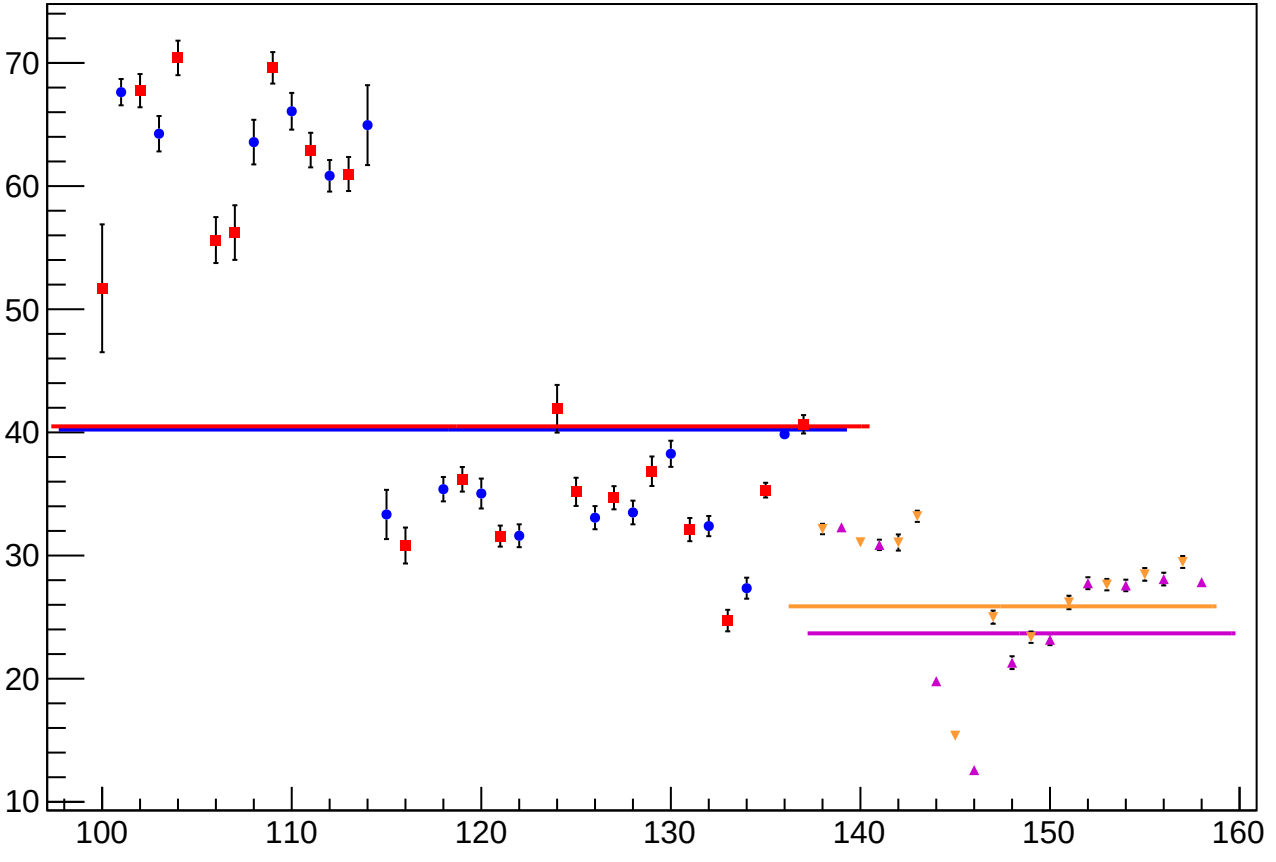
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.190+/-0.084 χ^2/NDF:2947.0/25

Out: -2.062+/-0.087 χ^2/NDF:1774.9/29

All: -2.128+/-0.060 χ^2/NDF: 4723.0/55

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.875+/-0.131 χ^2/NDF:2373.5/10

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 23.683+/-0.128 χ^2/NDF:2593.2/9

Left: 24.752+/-0.092 χ^2/NDF: 5109.9/20

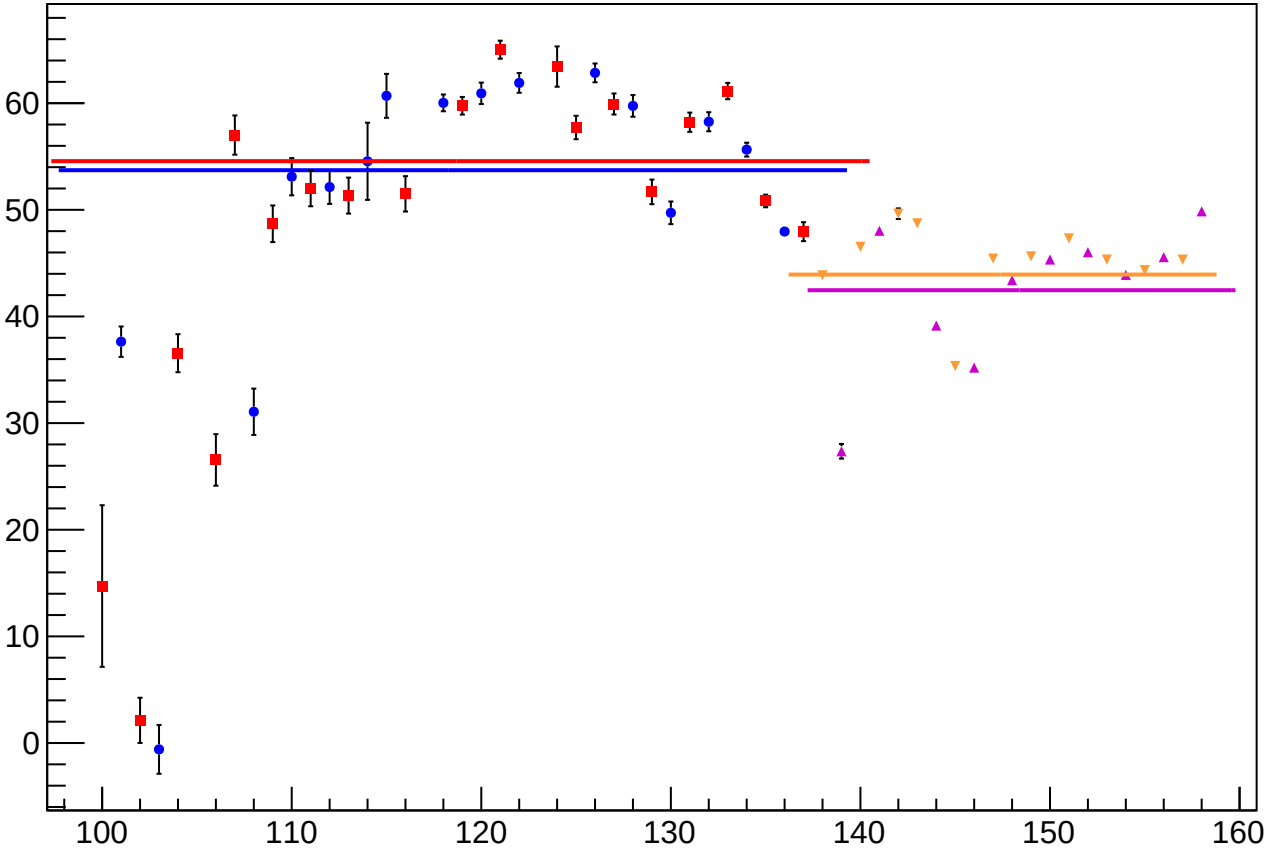
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.556+/-0.112 χ^2/NDF:8800.8/25

Out: 29.019+/-0.116 χ^2/NDF:7744.4/29

All: 28.261+/-0.081 χ^2/NDF: 16627.5/55

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.931+/-0.113 χ^2/NDF:1692.0/10

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 42.462+/-0.107 χ^2/NDF:2671.6/9

Left: 43.162+/-0.078 χ^2/NDF: 4452.8/20

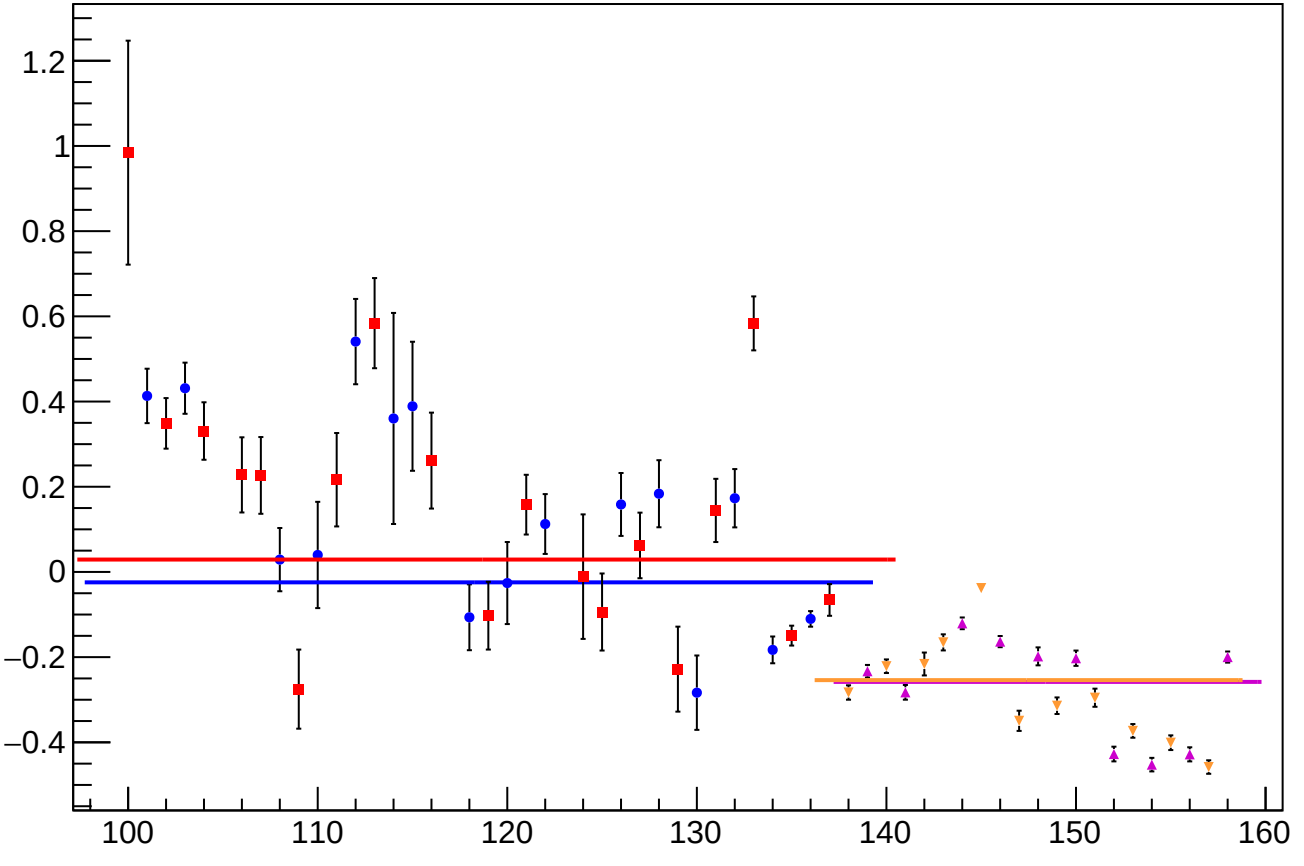
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 44.353+/-0.098 χ^2/NDF:5878.6/25

Out: 45.655+/-0.103 χ^2/NDF:4478.8/29

All: 44.971+/-0.071 χ^2/NDF: 10441.3/55

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: -0.254+/-0.005 χ^2/NDF:755.8/10

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.258+/-0.005 χ^2/NDF:544.5/9

Left: -0.256+/-0.004 χ^2/NDF: 1300.7/20

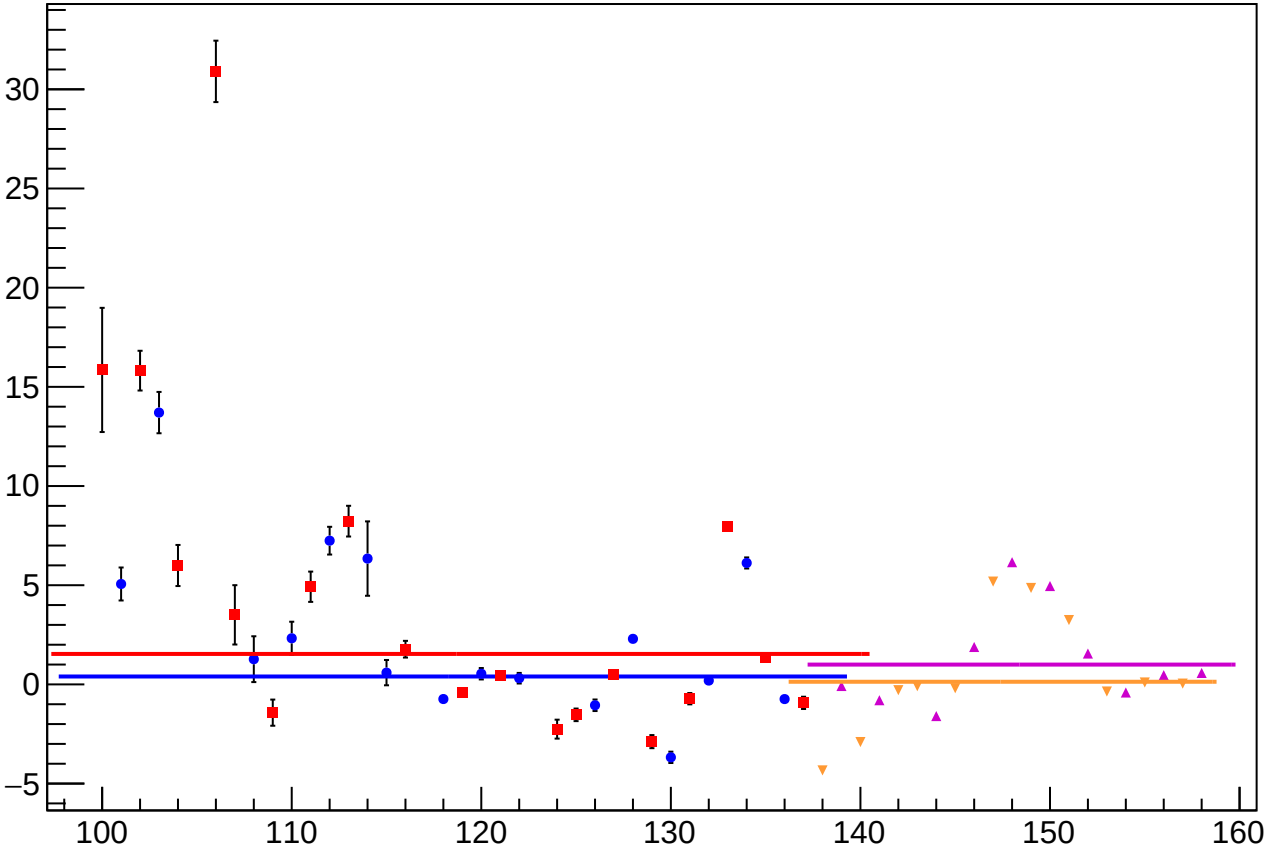
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.228+/-0.005 χ^2/NDF:1064.4/25

Out: -0.222+/-0.005 χ^2/NDF:1381.7/29

All: -0.225+/-0.003 χ^2/NDF: 2447.0/55

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: 0.133+/-0.048 χ^2/NDF:3242.6/10

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.998+/-0.048 χ^2/NDF:2333.4/9

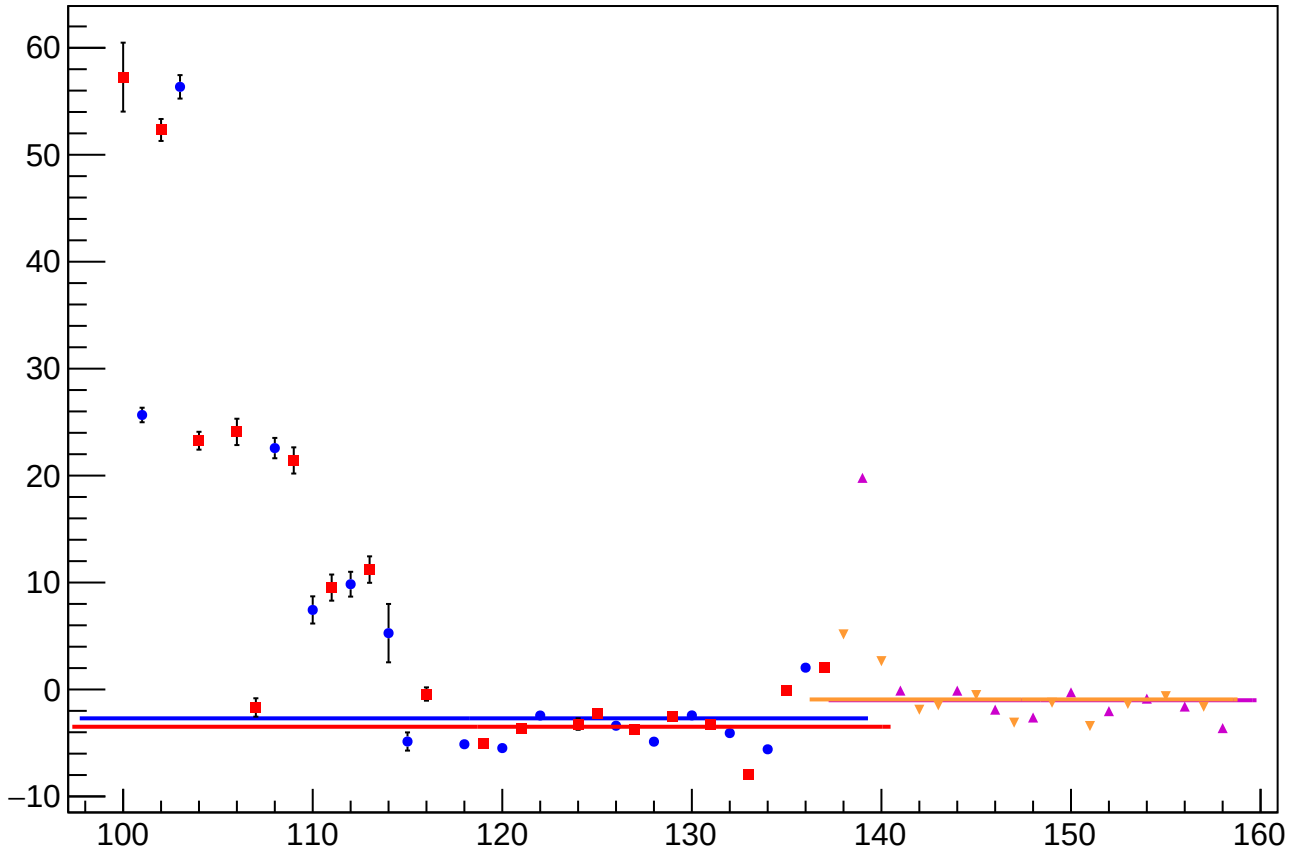
Left: 0.570+/-0.034 χ^2/NDF: 5738.1/20

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.831+/-0.041 χ^2/NDF:3474.5/25

Out: 0.520+/-0.041 χ^2/NDF:5886.8/29

All: 0.678+/-0.029 χ^2/NDF: 9390.3/55



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.932+/-0.034 χ^2/NDF:3710.6/10

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.007+/-0.033 χ^2/NDF:7889.8/9

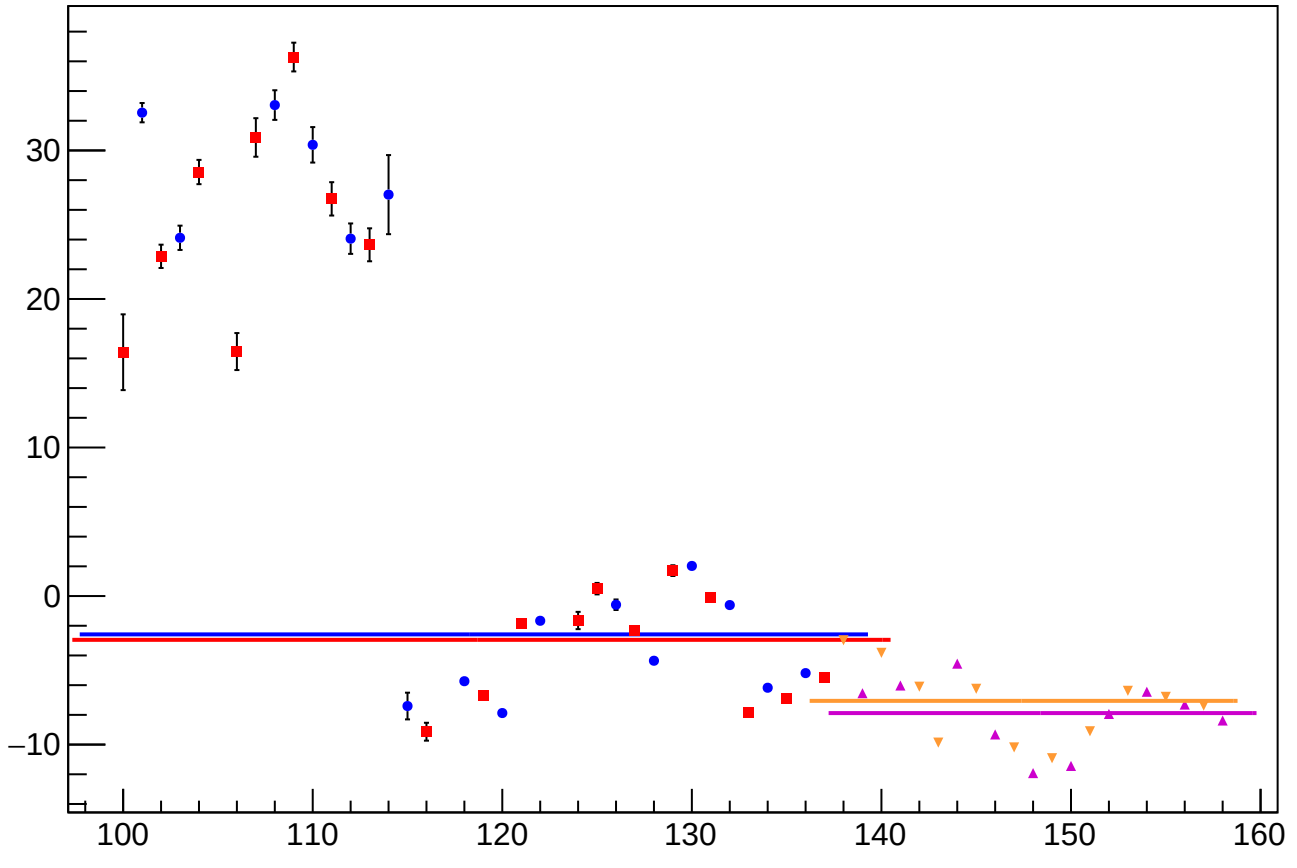
Left: -0.970+/-0.024 χ^2/NDF: 11602.8/20

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.313+/-0.030 χ^2/NDF:15462.2/25

Out: -1.415+/-0.031 χ^2/NDF:11923.9/29

All: -1.363+/-0.022 χ^2/NDF: 27391.6/55



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -7.057+/-0.048 χ^2/NDF:2745.8/10

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.880+/-0.047 χ^2/NDF:2513.6/9

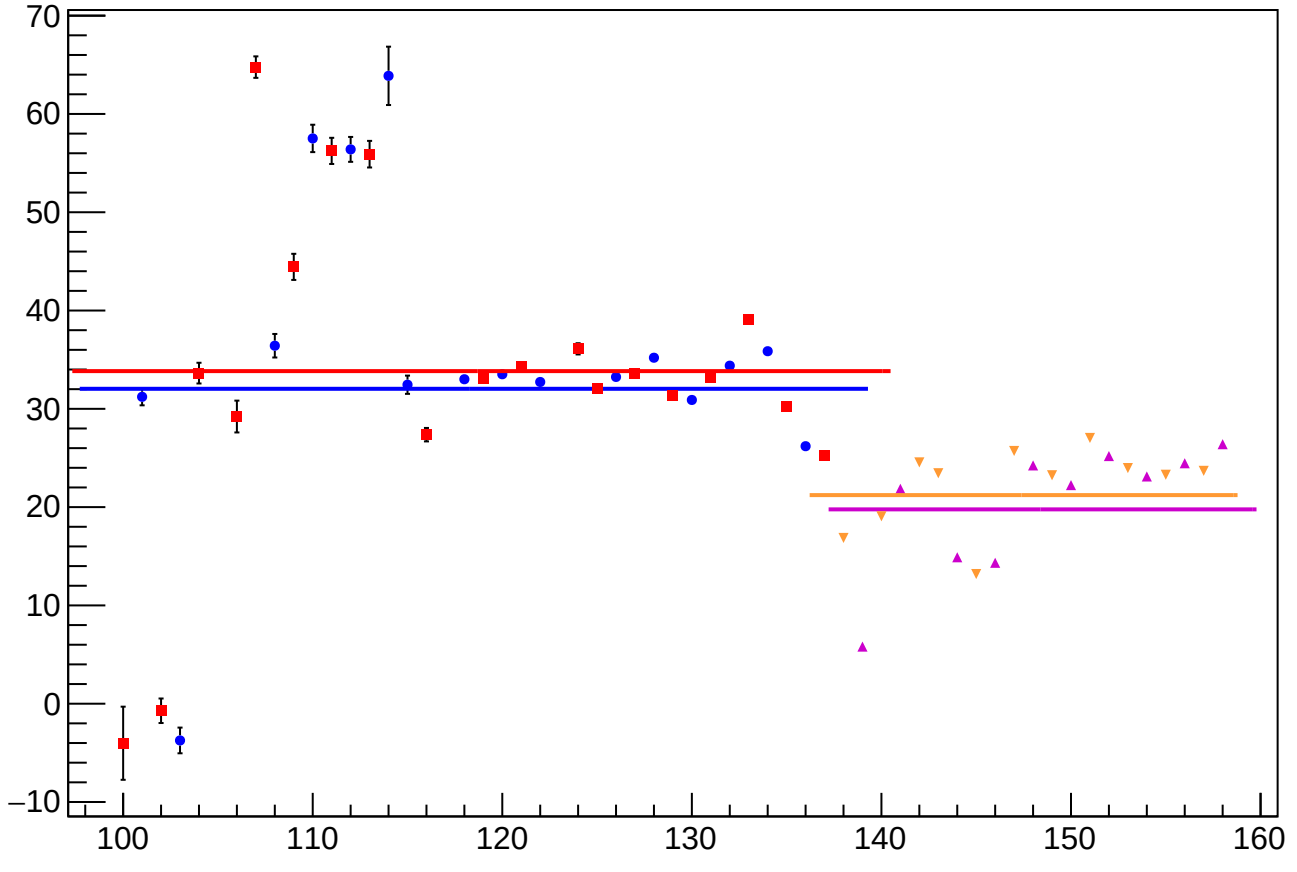
Left: -7.478+/-0.033 χ^2/NDF: 5411.3/20

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.608+/-0.041 χ^2/NDF:13763.4/25

Out: -6.069+/-0.042 χ^2/NDF:12719.4/29

All: -6.345+/-0.029 χ^2/NDF: 26568.3/55



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 21.222+/-0.041 χ^2/NDF:13105.0/10

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 19.771+/-0.040 χ^2/NDF:16836.3/9

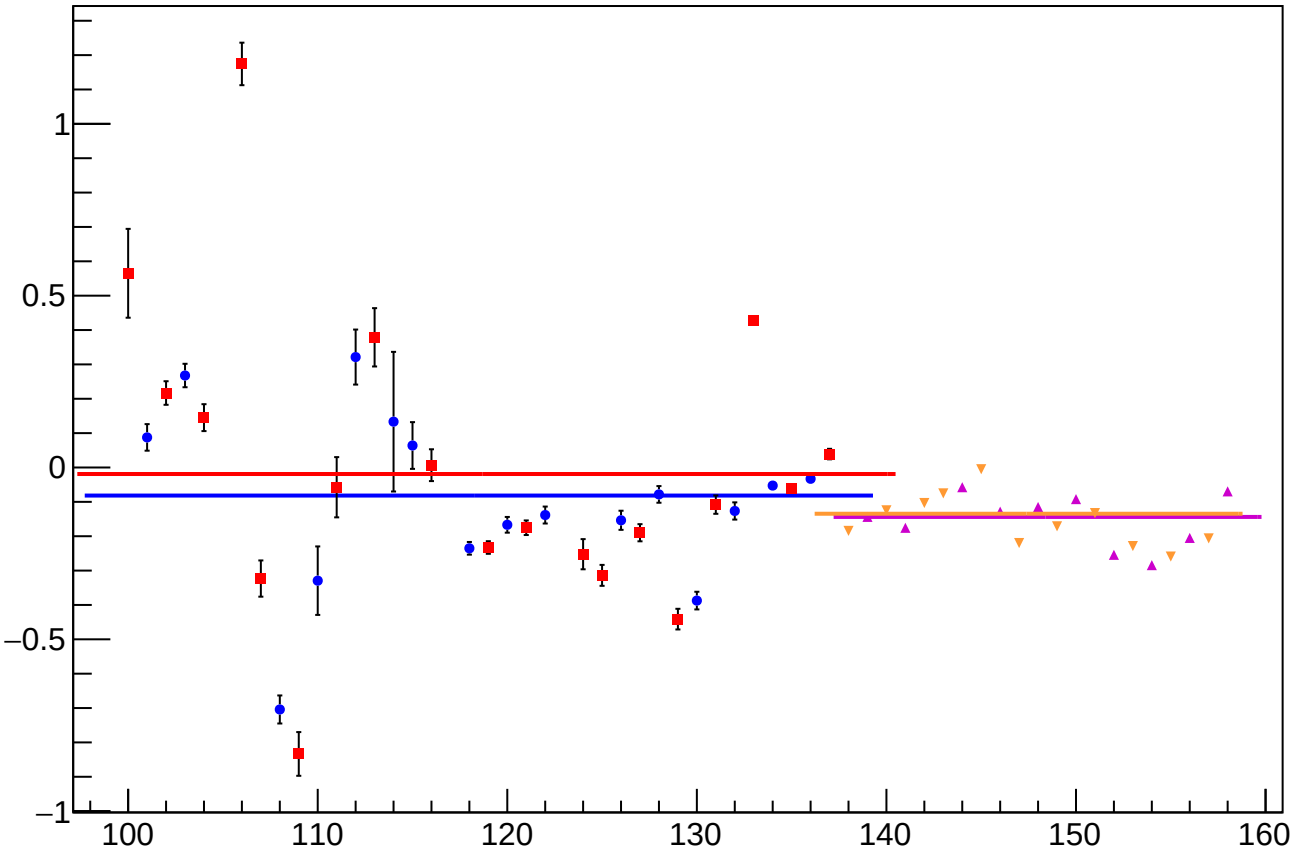
Left: 20.470+/-0.028 χ^2/NDF: 30590.8/20

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 22.117+/-0.036 χ^2/NDF:38509.9/25

Out: 23.767+/-0.037 χ^2/NDF:36411.8/29

All: 22.917+/-0.026 χ^2/NDF: 75965.3/55



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.135+/-0.002 χ^2/NDF:2049.8/10

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.144+/-0.002 χ^2/NDF:1452.4/9

Left: -0.139+/-0.001 χ^2/NDF: 3514.7/20

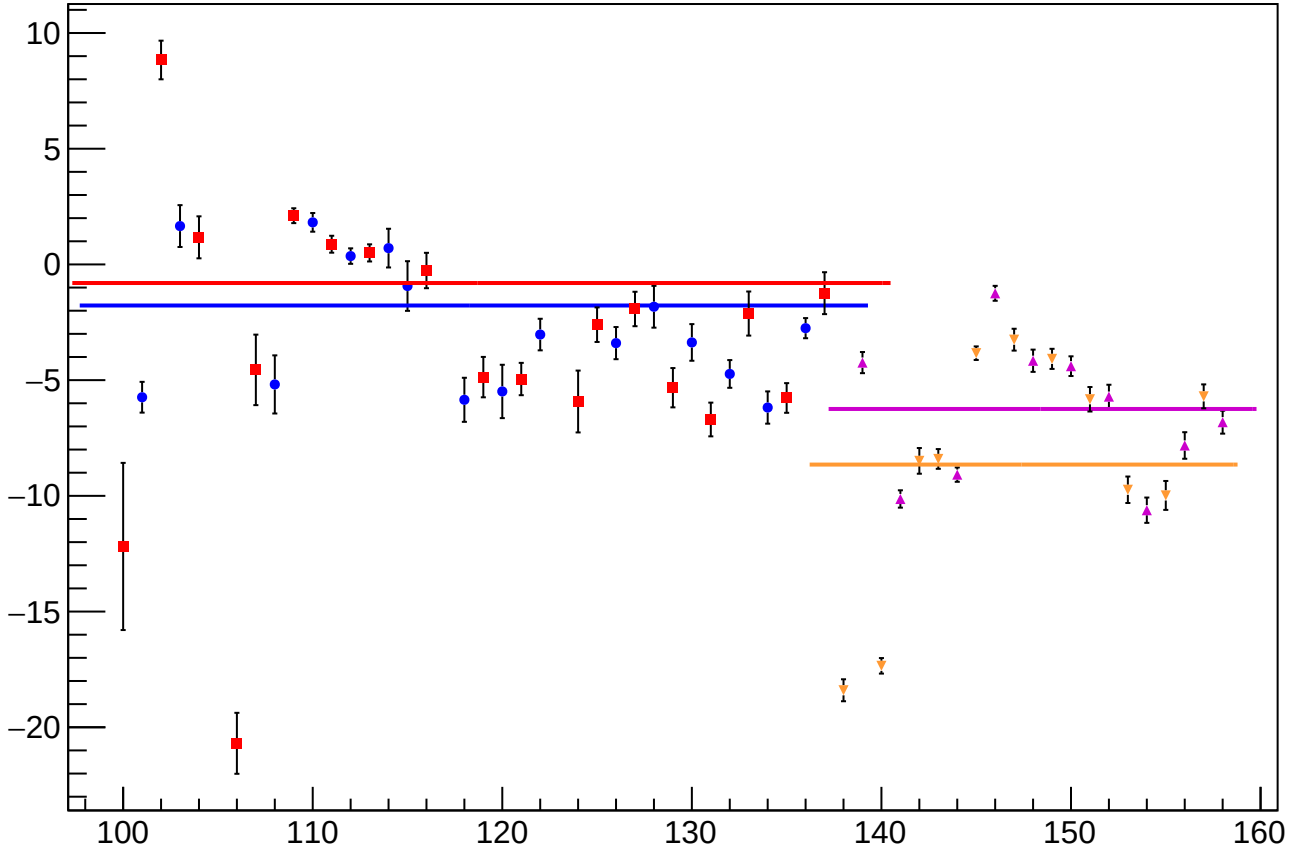
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.136+/-0.002 χ^2/NDF:2286.8/25

Out: -0.121+/-0.002 χ^2/NDF:4760.4/29

All: -0.129+/-0.001 χ^2/NDF: 7084.3/55

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: -8.649+/-0.133 χ^2/NDF:1674.6/10

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -6.246+/-0.134 χ^2/NDF:562.1/9

Left: -7.451+/-0.094 χ^2/NDF: 2398.9/20

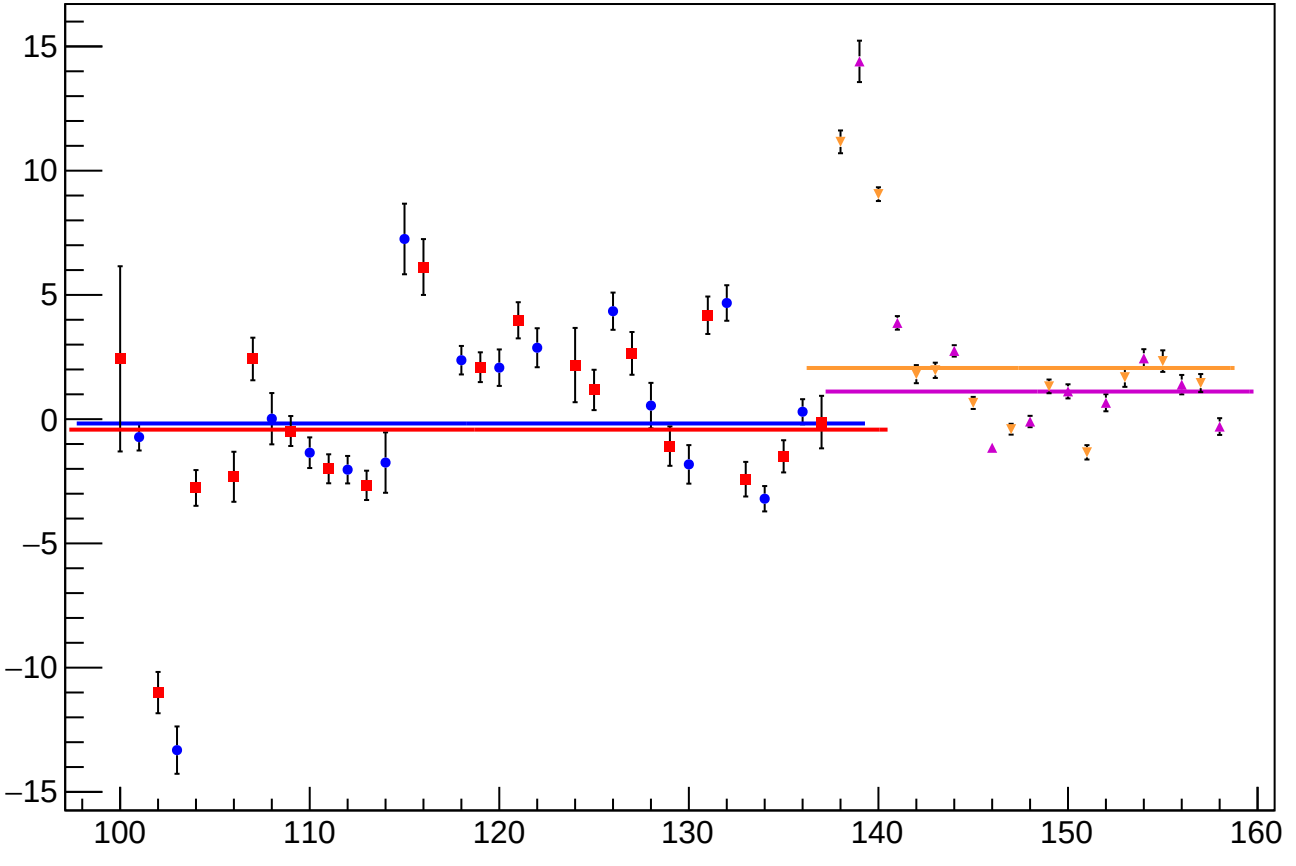
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -4.369+/-0.102 χ^2/NDF:1329.5/25

Out: -5.148+/-0.099 χ^2/NDF:3957.7/29

All: -4.769+/-0.071 χ^2/NDF: 5317.3/55

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.060+/-0.092 χ^2/NDF:1343.5/10

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.111+/-0.090 χ^2/NDF:604.4/9

Left: 1.577+/-0.064 χ^2/NDF: 2002.3/20

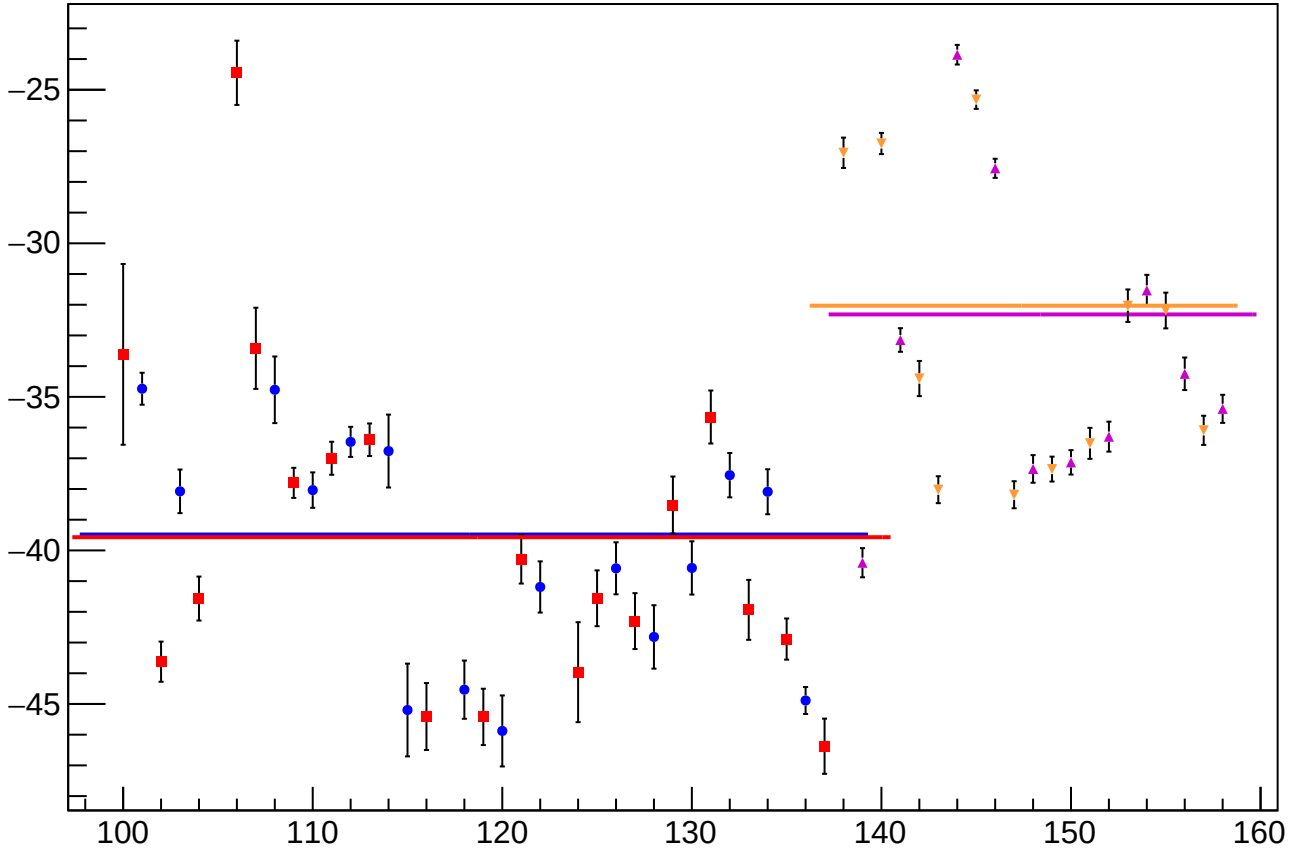
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.837+/-0.080 χ^2/NDF:1050.9/25

Out: 1.535+/-0.082 χ^2/NDF:1864.4/29

All: 1.179+/-0.057 χ^2/NDF: 2952.7/55

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: -32.031+/-0.131 χ^2/NDF:1554.5/10

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -32.316+/-0.130 χ^2/NDF:1626.8/9

Left: -32.175+/-0.092 χ^2/NDF: 3183.6/20

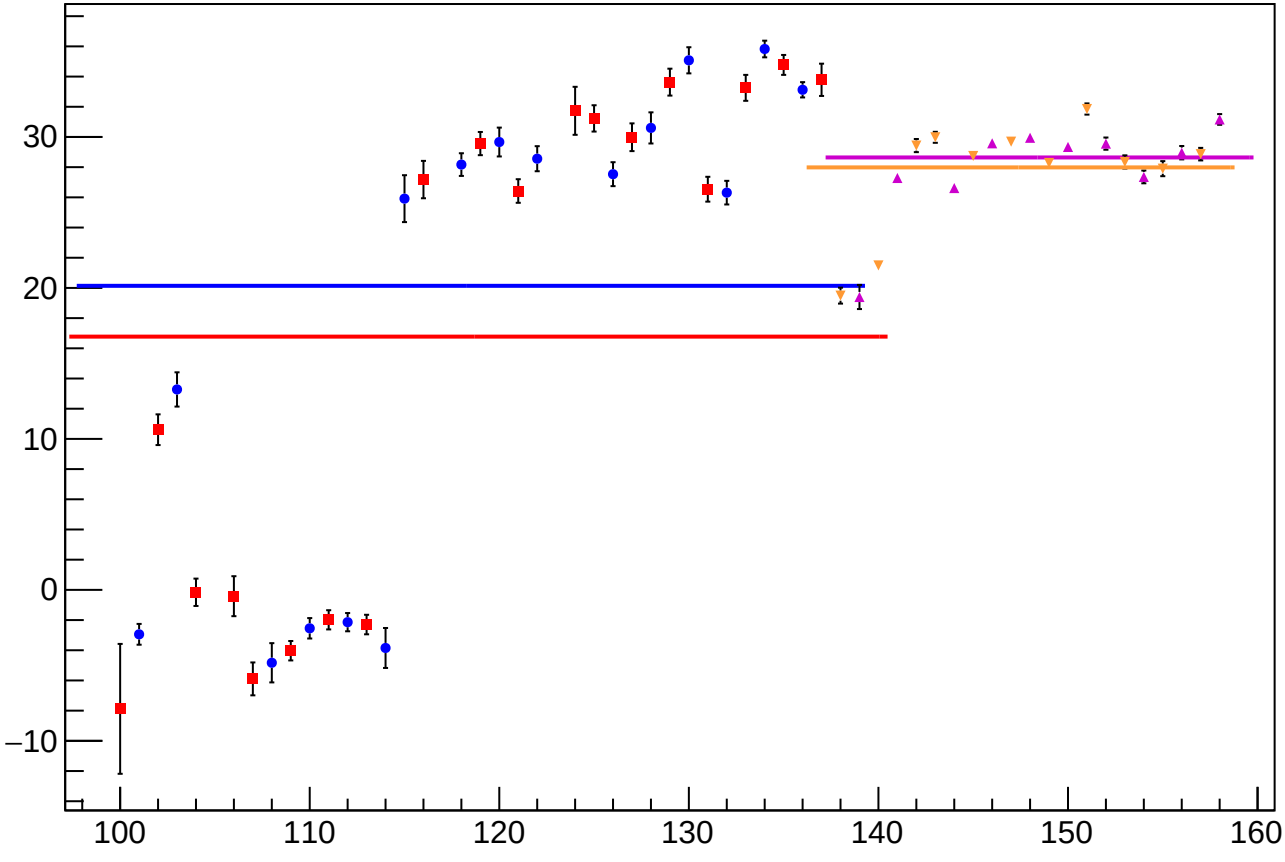
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.773+/-0.106 χ^2/NDF:3075.6/25

Out: -34.635+/-0.106 χ^2/NDF:3243.8/29

All: -34.705+/-0.075 χ^2/NDF: 6320.2/55

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.984+/-0.111 χ^2/NDF:834.5/10

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.643+/-0.108 χ^2/NDF:309.7/9

Left: 28.323+/-0.077 χ^2/NDF: 1162.3/20

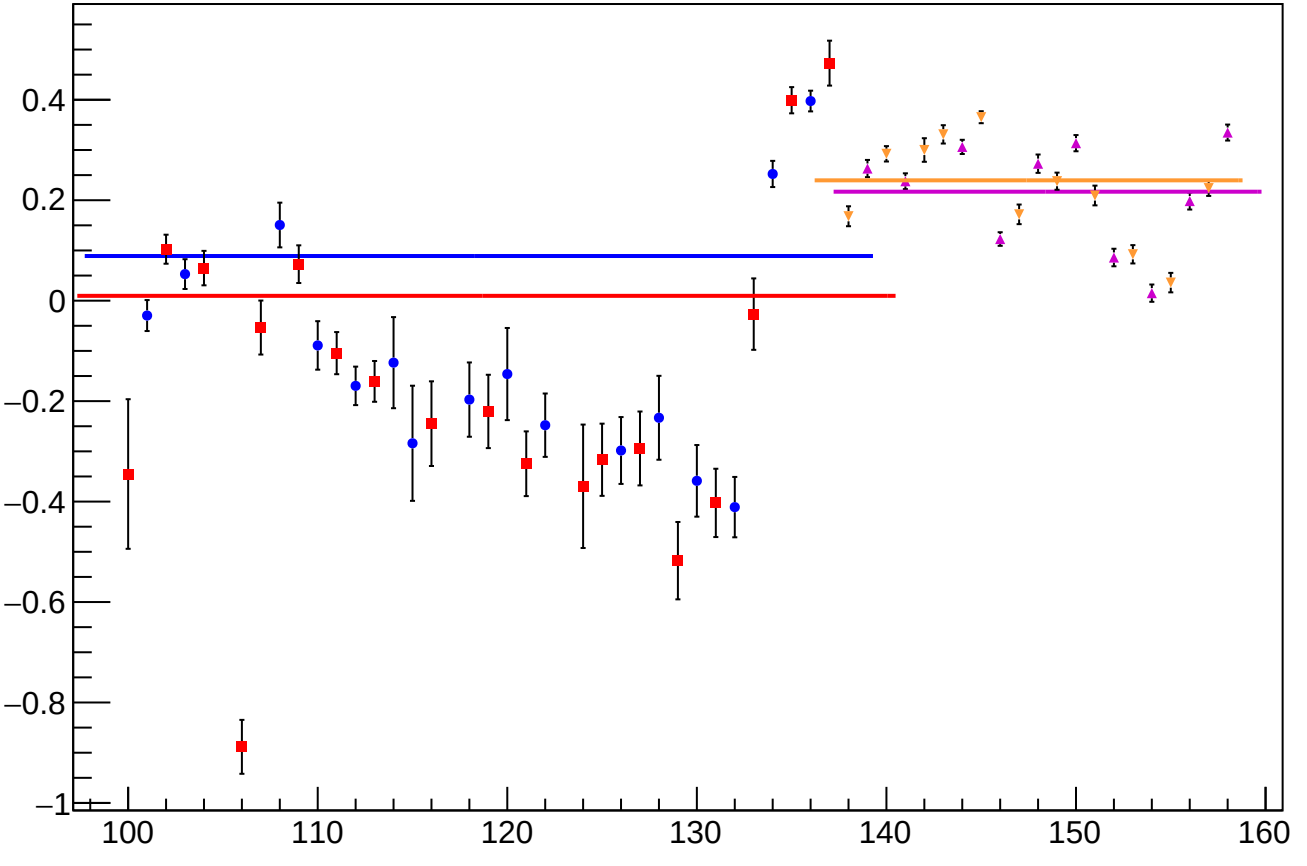
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.644+/-0.094 χ^2/NDF:8453.0/25

Out: 25.335+/-0.097 χ^2/NDF:9979.5/29

All: 26.008+/-0.068 χ^2/NDF: 18526.0/55

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: 0.240+/-0.005 χ^2/NDF:358.1/10

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.217+/-0.005 χ^2/NDF:392.7/9

Left: 0.228+/-0.004 χ^2/NDF: 760.6/20

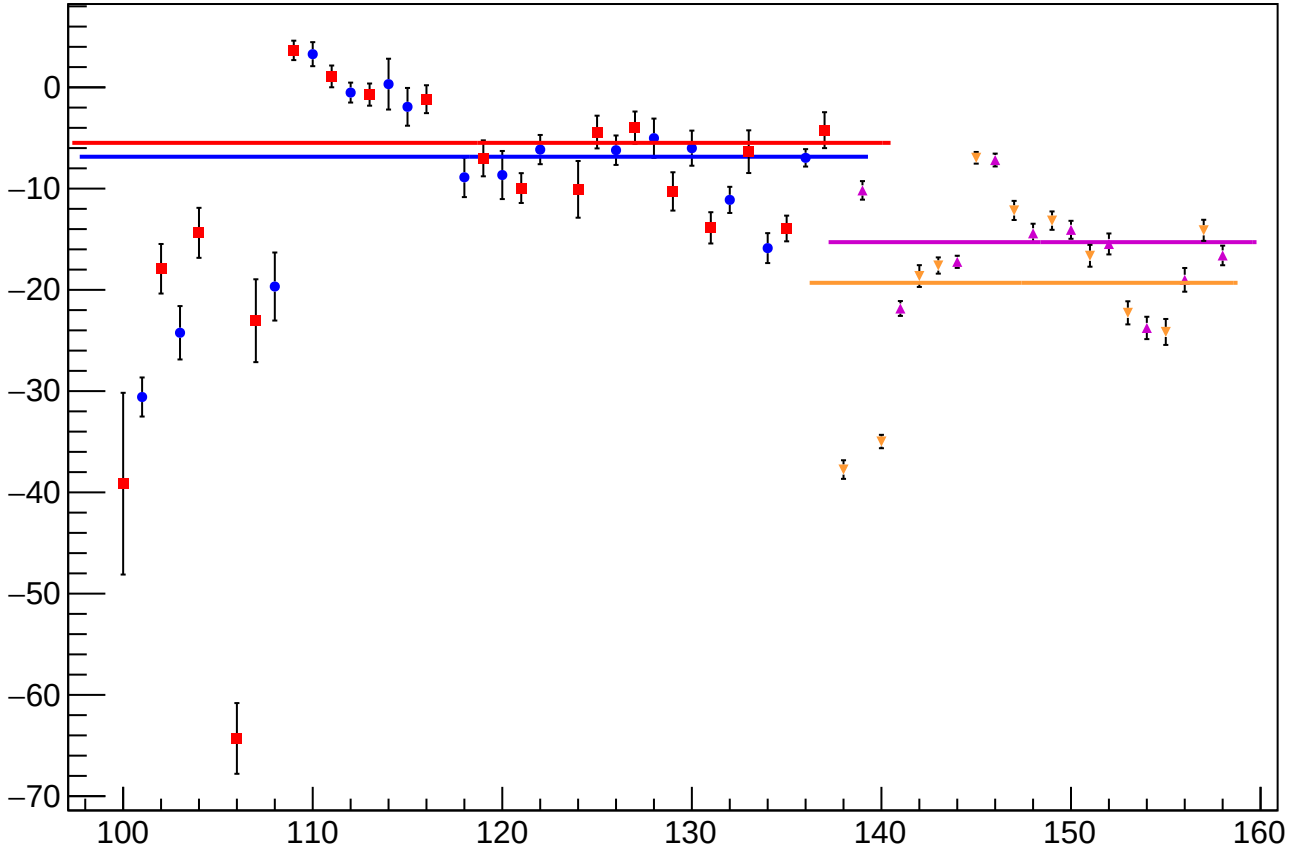
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.192+/-0.005 χ^2/NDF:1078.9/25

Out: 0.198+/-0.005 χ^2/NDF:1549.4/29

All: 0.195+/-0.003 χ^2/NDF: 2628.9/55

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.304+/-0.263 χ^2/NDF:1584.6/10

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -15.288+/-0.265 χ^2/NDF:358.0/9

Left: -17.308+/-0.187 χ^2/NDF: 2058.0/20

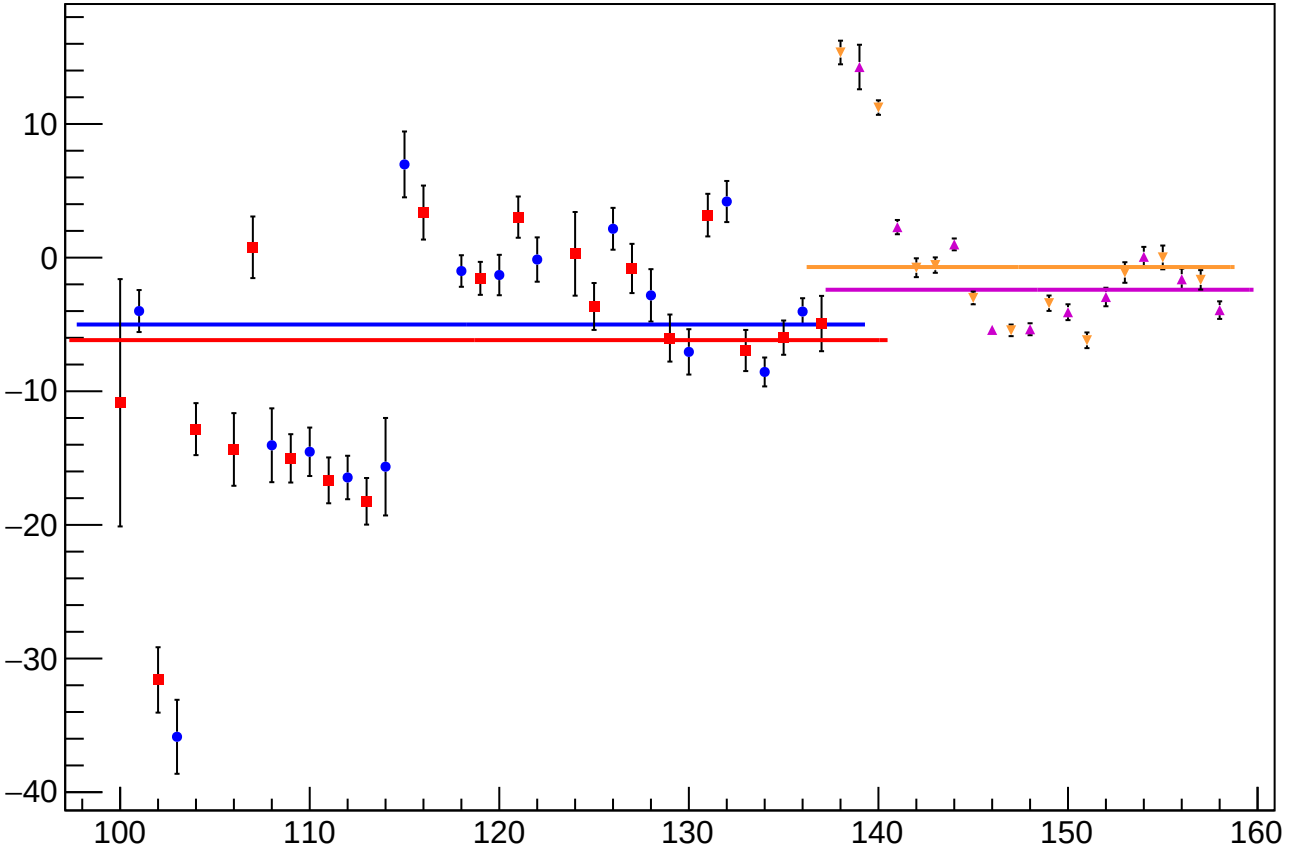
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -12.484+/-0.217 χ^2/NDF:1084.8/25

Out: -14.637+/-0.214 χ^2/NDF:3120.4/29

All: -13.571+/-0.152 χ^2/NDF: 4255.1/55

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.704+/-0.182 χ^2/NDF:1065.1/10

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -2.403+/-0.178 χ^2/NDF:369.4/9

Left: -1.574+/-0.127 χ^2/NDF: 1479.0/20

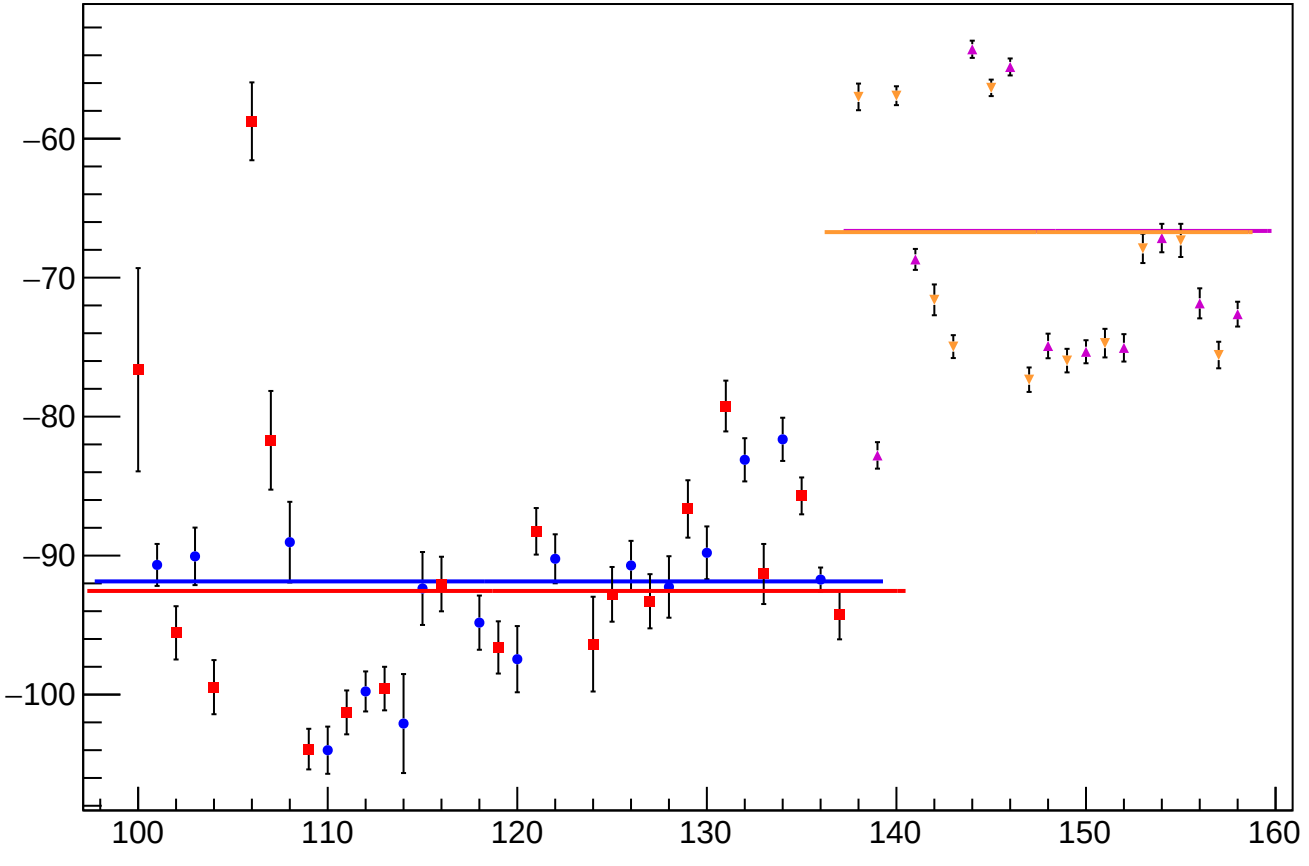
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.840+/-0.162 χ^2/NDF:747.1/25

Out: -1.581+/-0.167 χ^2/NDF:1578.9/29

All: -2.229+/-0.116 χ^2/NDF: 2355.3/55

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: -66.724+/-0.261 χ^2/NDF:1149.6/10

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -66.639+/-0.258 χ^2/NDF:1451.8/9

Left: -66.681+/-0.184 χ^2/NDF: 2601.5/20

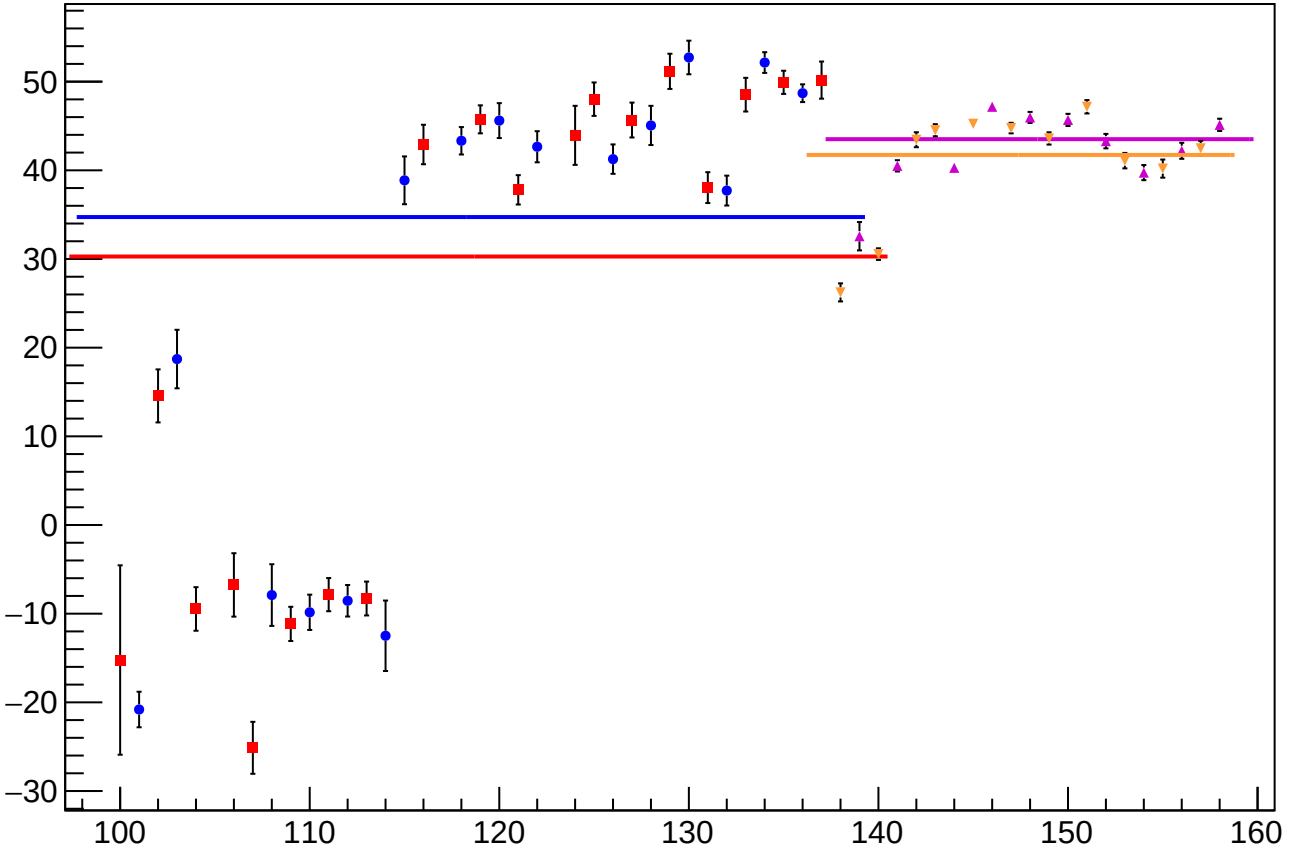
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.469+/-0.221 χ^2/NDF:4207.8/25

Out: -73.451+/-0.224 χ^2/NDF:4092.4/29

All: -73.460+/-0.157 χ^2/NDF: 8300.2/55

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.736+/-0.220 χ^2/NDF:673.6/10

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.513+/-0.214 χ^2/NDF:220.5/9

Left: 42.653+/-0.153 χ^2/NDF: 927.7/20

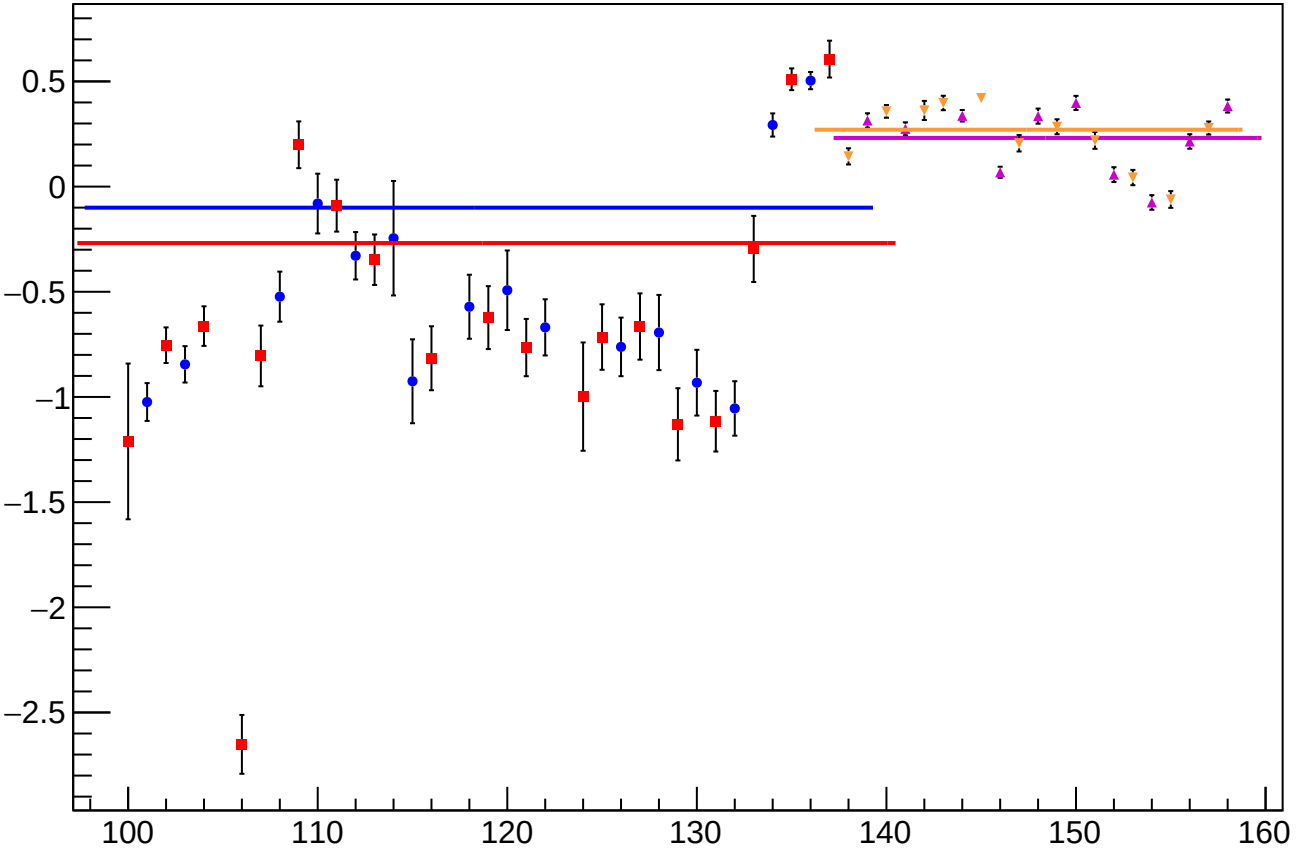
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.850+/-0.192 χ^2/NDF:3350.0/25

Out: 39.650+/-0.199 χ^2/NDF:4076.8/29

All: 40.790+/-0.138 χ^2/NDF: 7489.9/55

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.270+/-0.010 χ^2/NDF:190.9/10

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.231+/-0.010 χ^2/NDF:219.8/9

Left: 0.250+/-0.007 χ^2/NDF: 418.0/20

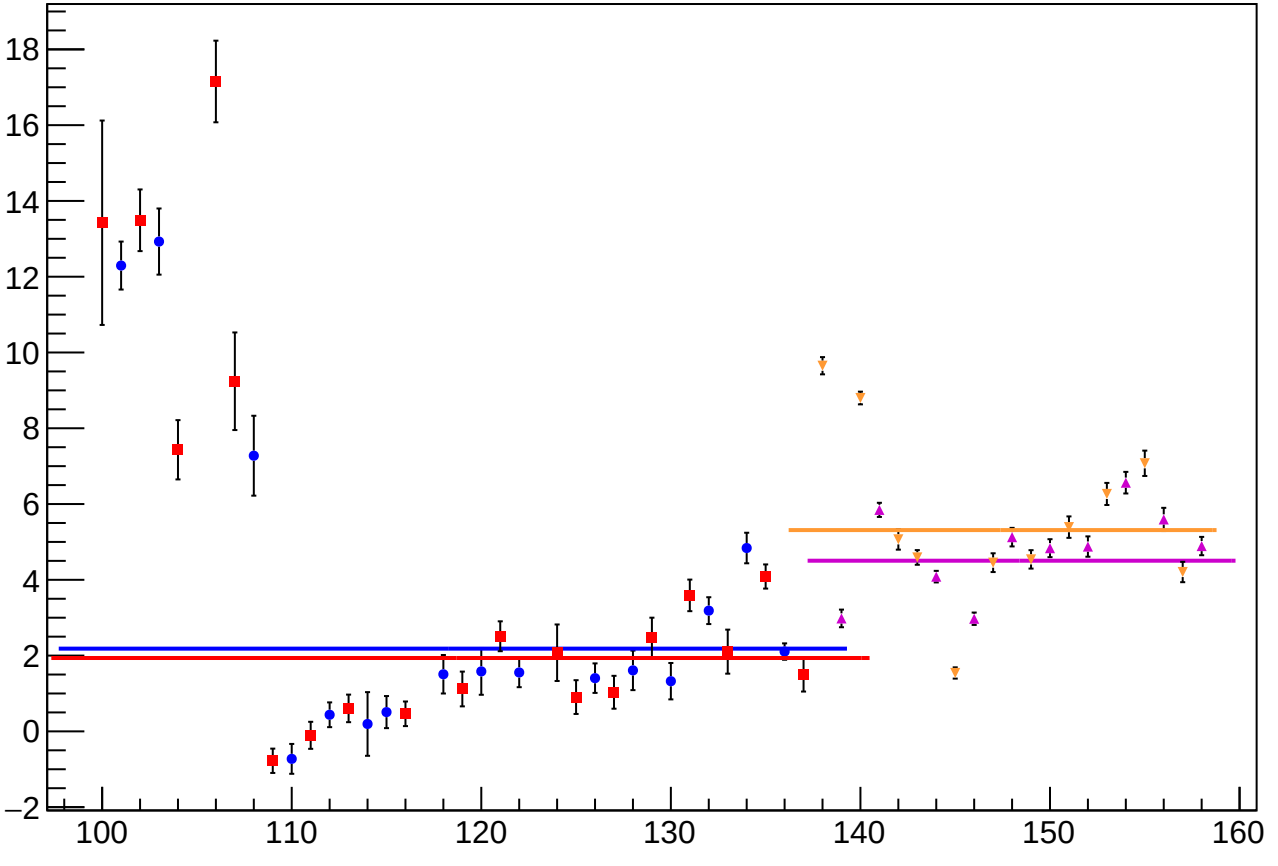
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.182+/-0.009 χ^2/NDF:1013.2/25

Out: 0.199+/-0.010 χ^2/NDF:1375.8/29

All: 0.190+/-0.007 χ^2/NDF: 2390.6/55

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.313+/-0.067 χ^2/NDF:1531.3/10

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.504+/-0.068 χ^2/NDF:267.7/9

Left: 4.913+/-0.048 χ^2/NDF: 1870.3/20

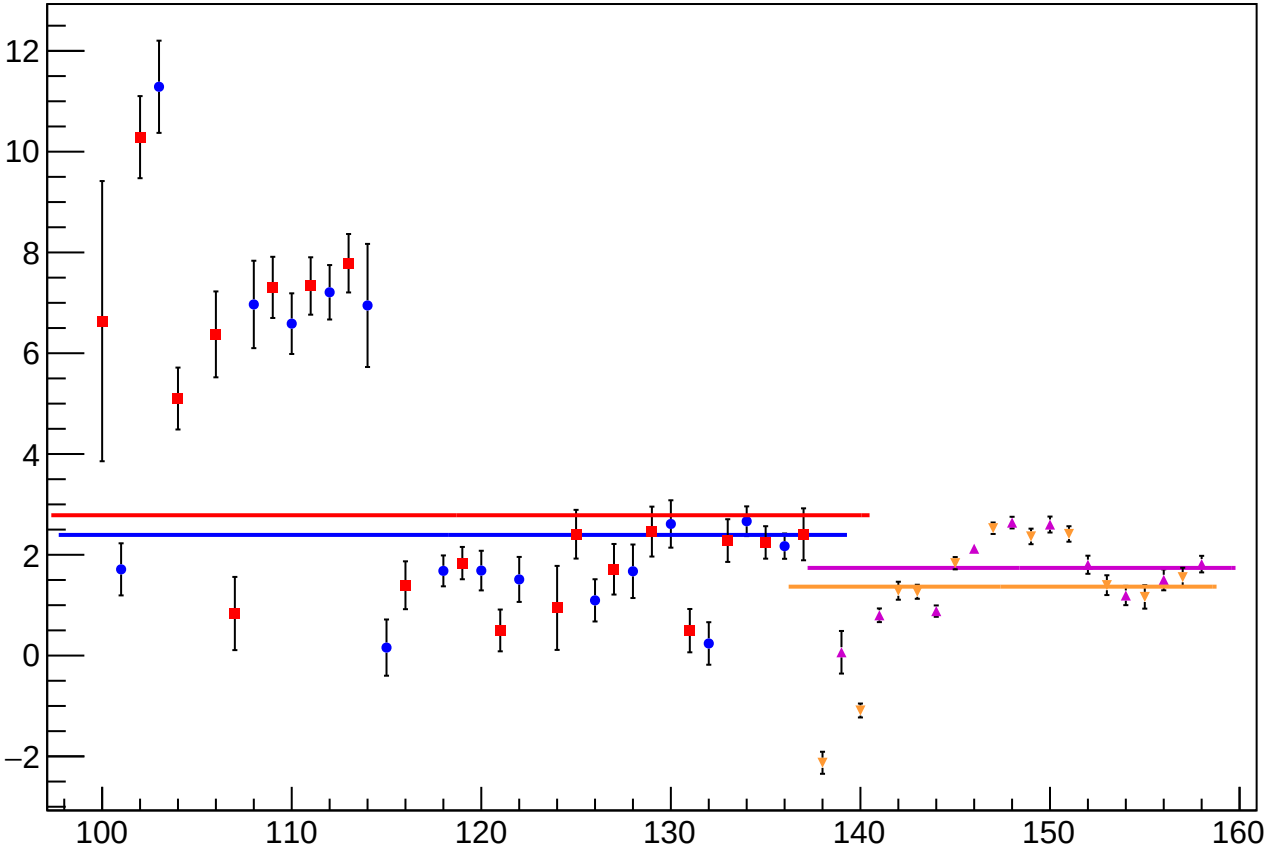
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.818+/-0.057 χ^2/NDF:1211.0/25

Out: 4.335+/-0.057 χ^2/NDF:2976.3/29

All: 4.078+/-0.040 χ^2/NDF: 4228.5/55

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.368+/-0.047 χ^2/NDF:781.0/10

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.740+/-0.045 χ^2/NDF:237.6/9

Left: 1.559+/-0.033 χ^2/NDF: 1051.1/20

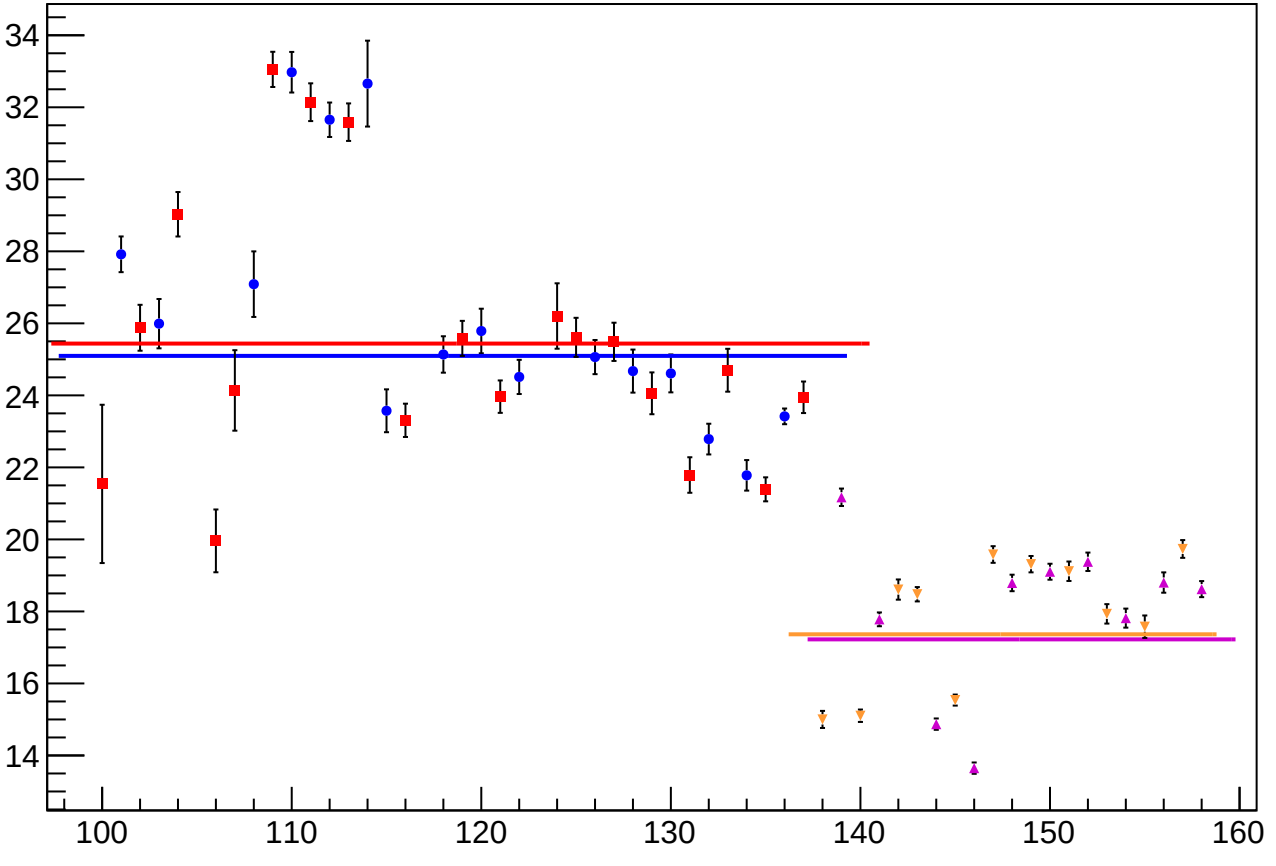
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.838+/-0.042 χ^2/NDF:602.5/25

Out: 1.566+/-0.043 χ^2/NDF:1320.5/29

All: 1.706+/-0.030 χ^2/NDF: 1943.4/55

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: 17.365+/-0.067 χ^2/NDF:769.1/10

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 17.224+/-0.066 χ^2/NDF:1280.1/9

Left: 17.294+/-0.047 χ^2/NDF: 2051.5/20

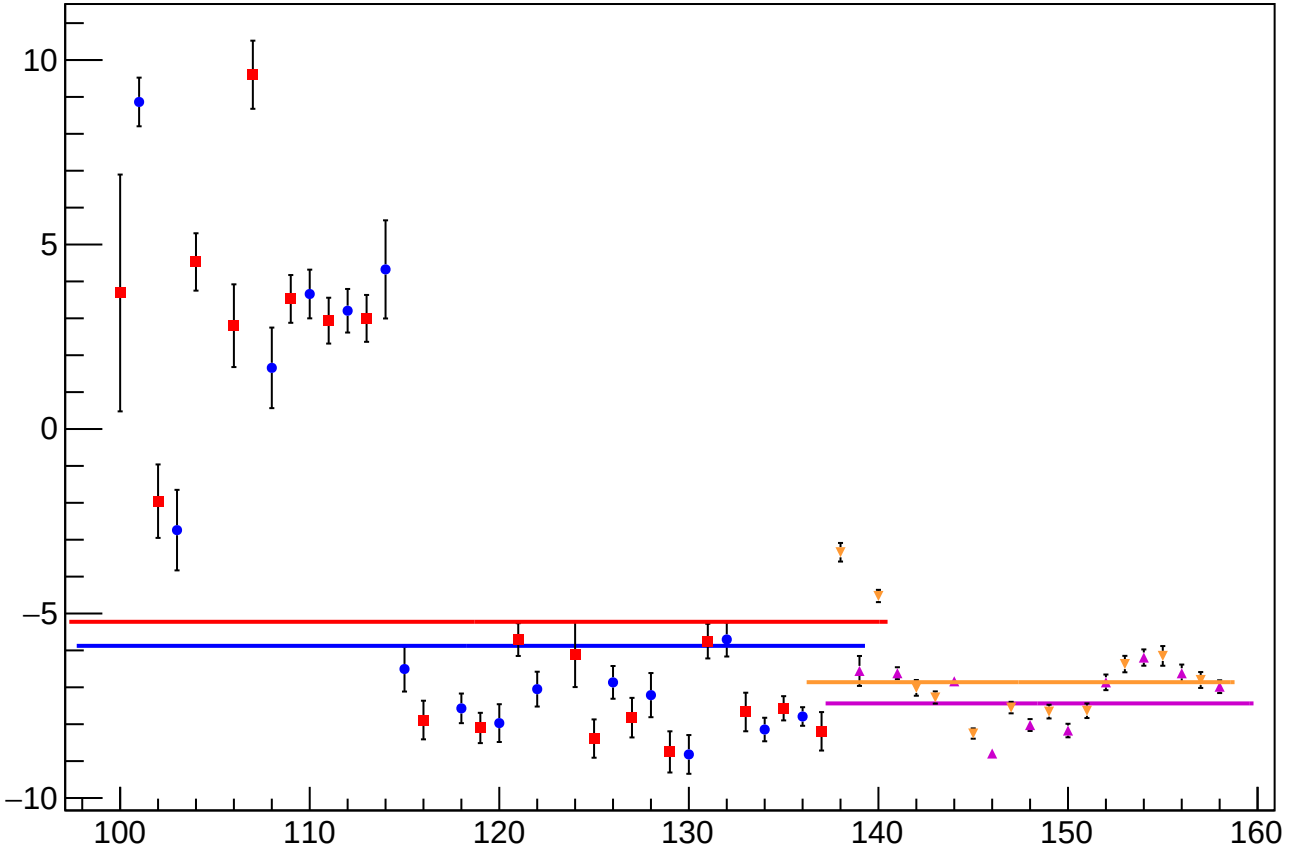
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.128+/-0.058 χ^2/NDF:5303.9/25

Out: 19.179+/-0.059 χ^2/NDF:4931.9/29

All: 19.153+/-0.041 χ^2/NDF: 10236.2/55

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.861+/-0.057 χ^2/NDF:563.3/10

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.436+/-0.055 χ^2/NDF:266.2/9

Left: -7.158+/-0.039 χ^2/NDF: 882.9/20

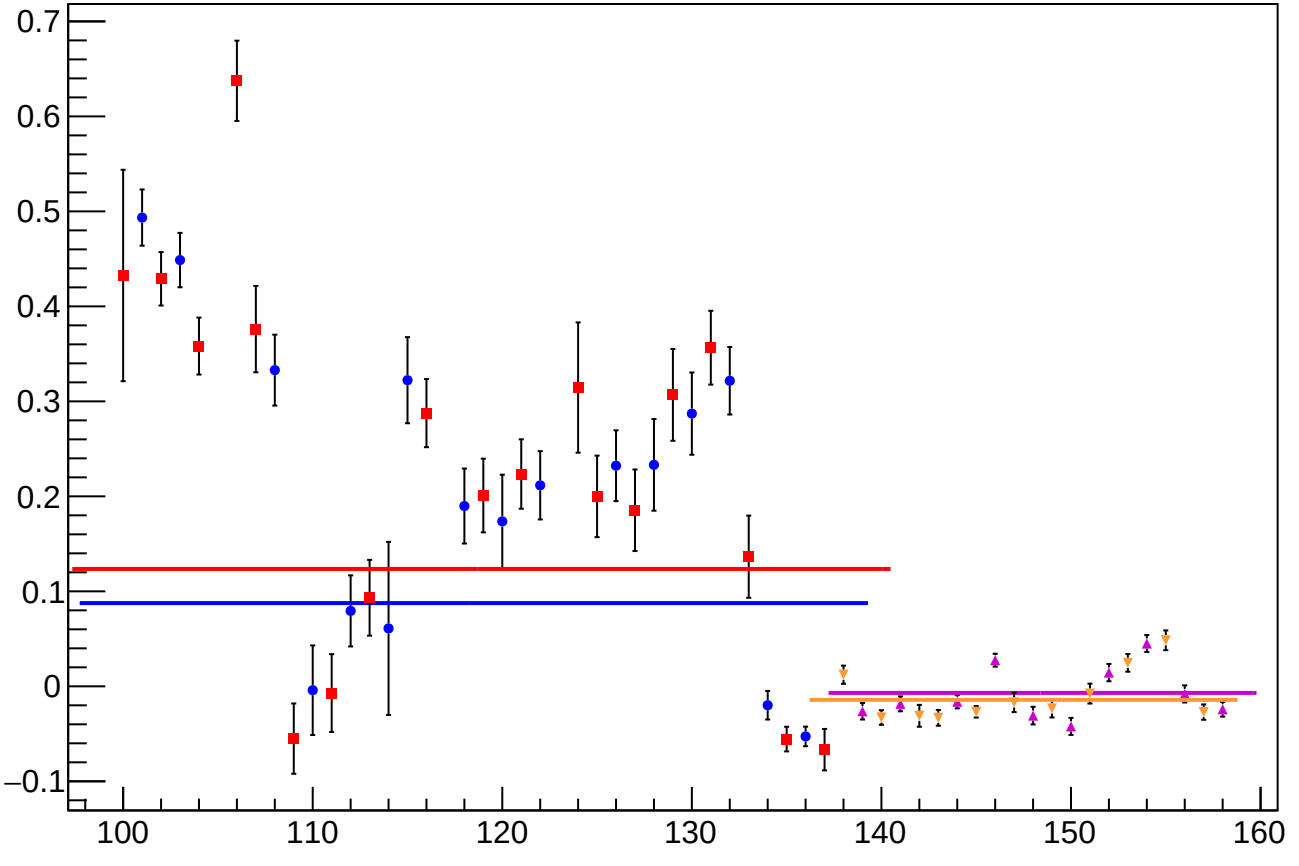
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.170+/-0.050 χ^2/NDF:1656.2/25

Out: -6.599+/-0.052 χ^2/NDF:1989.5/29

All: -6.895+/-0.036 χ^2/NDF: 3708.8/55

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: -0.014+/-0.003 χ^2/NDF:82.9/10

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.007+/-0.003 χ^2/NDF:100.5/9

Left: -0.011+/-0.002 χ^2/NDF: 187.4/20

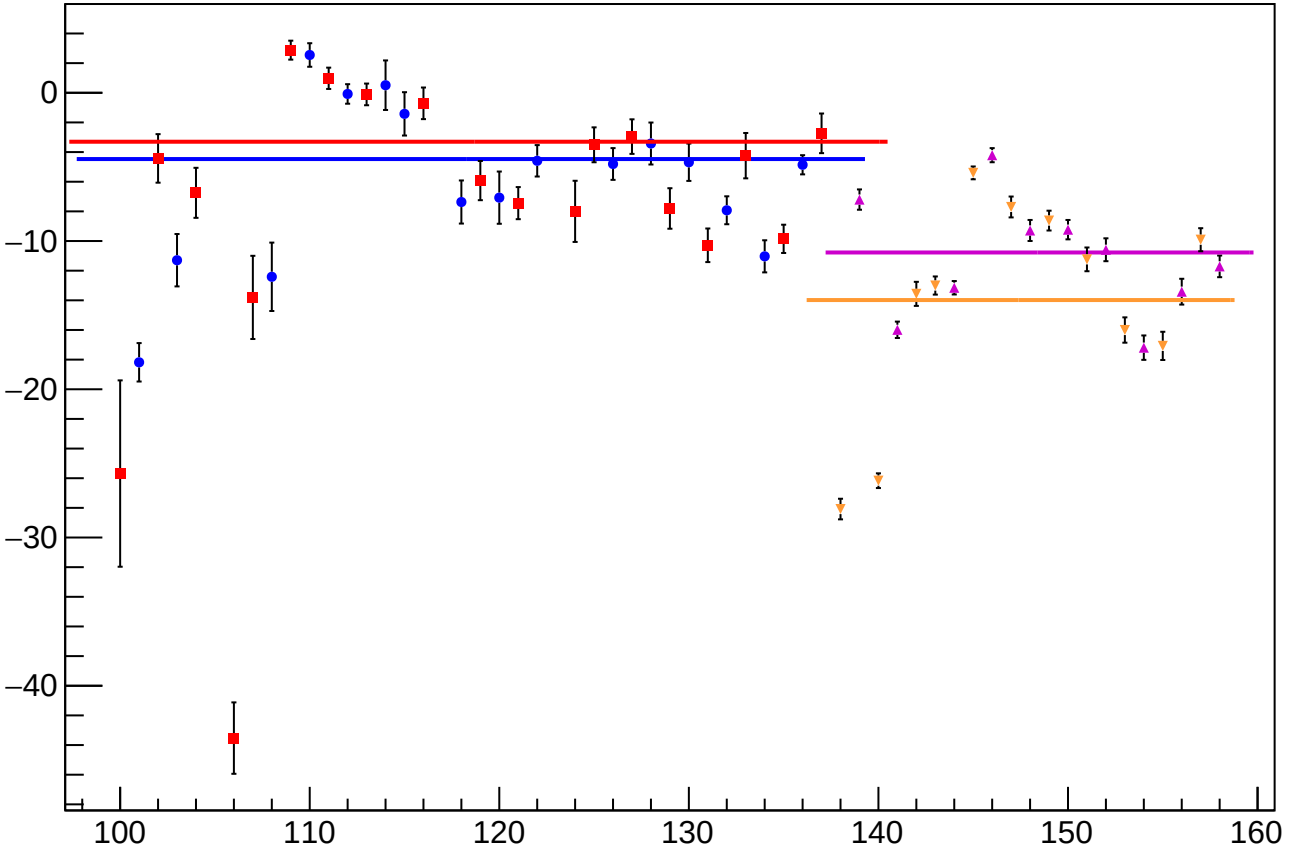
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.006+/-0.002 χ^2/NDF:1046.6/25

Out: 0.002+/-0.002 χ^2/NDF:1158.1/29

All: 0.004+/-0.002 χ^2/NDF: 2206.1/55

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -13.982+/-0.198 χ^2/NDF:1609.6/10

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.773+/-0.199 χ^2/NDF:415.4/9

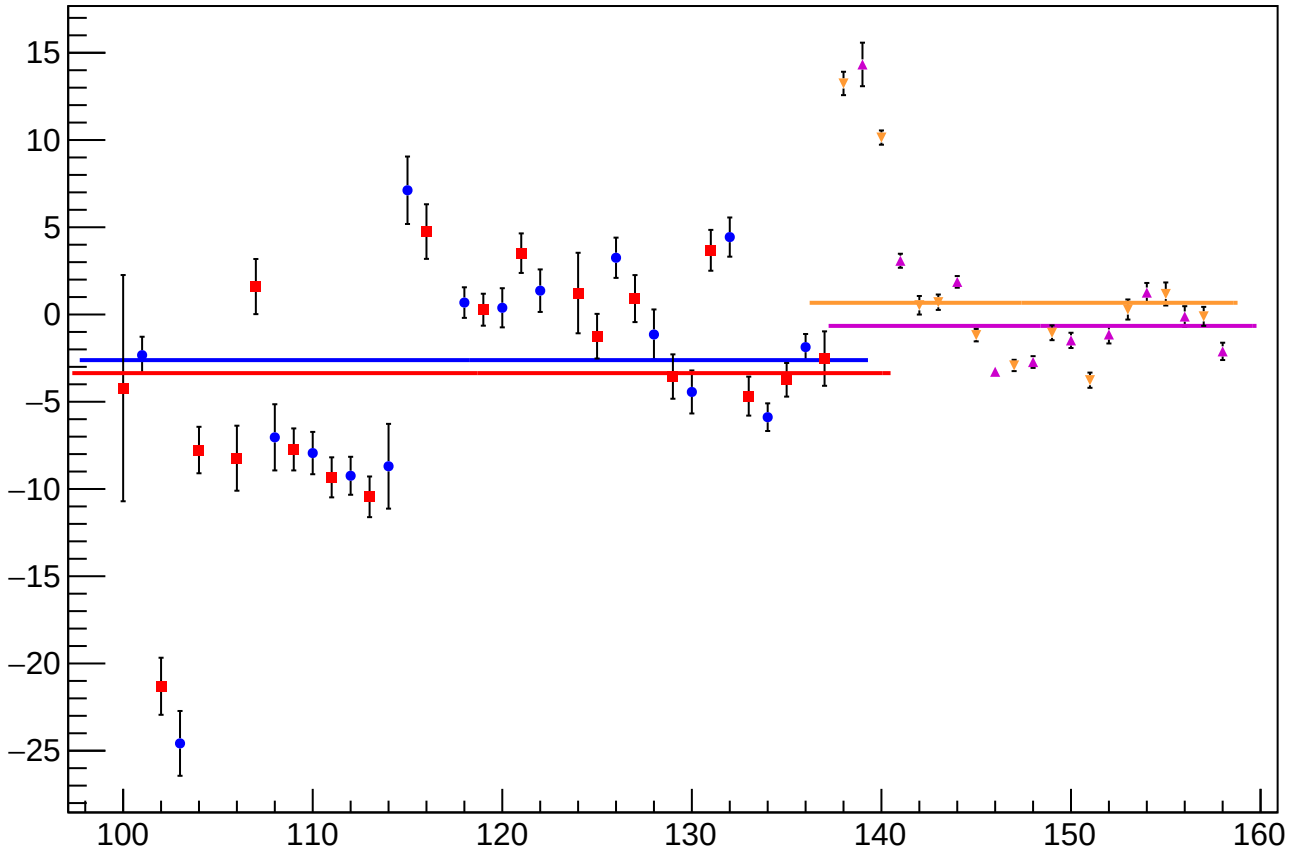
Left: -12.385+/-0.140 χ^2/NDF: 2156.2/20

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -8.544+/-0.160 χ^2/NDF:1103.5/25

Out: -10.088+/-0.158 χ^2/NDF:3259.5/29

All: -9.326+/-0.112 χ^2/NDF: 4410.3/55



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.671+/-0.136 χ^2/NDF:1160.7/10

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.653+/-0.133 χ^2/NDF:437.3/9

Left: -0.006+/-0.095 χ^2/NDF: 1646.2/20

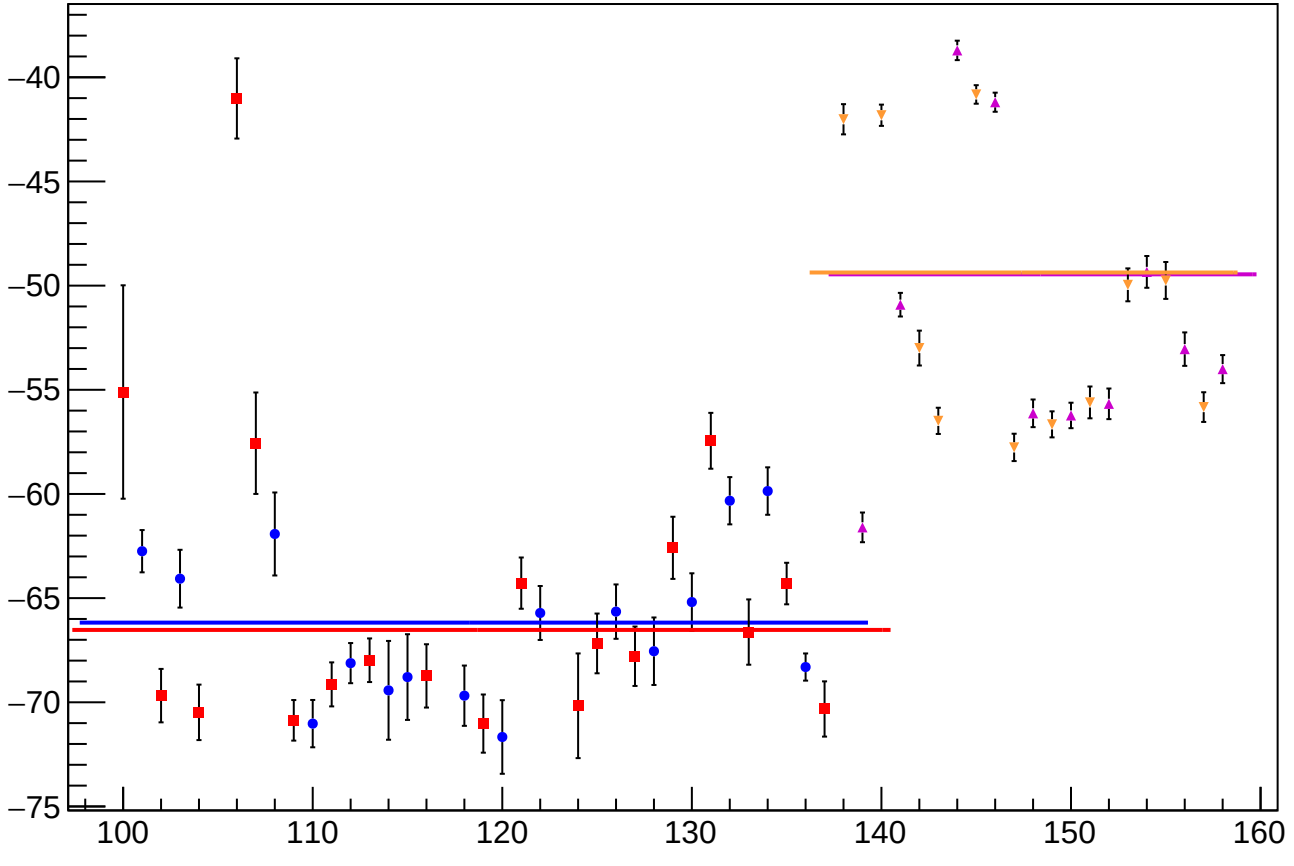
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -1.003+/-0.121 χ^2/NDF:828.0/25

Out: -0.024+/-0.124 χ^2/NDF:1670.9/29

All: -0.527+/-0.087 χ^2/NDF: 2530.9/55

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: -49.370+/-0.195 χ^2/NDF:1287.1/10

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -49.458+/-0.194 χ^2/NDF:1512.3/9

Left: -49.414+/-0.138 χ^2/NDF: 2799.5/20

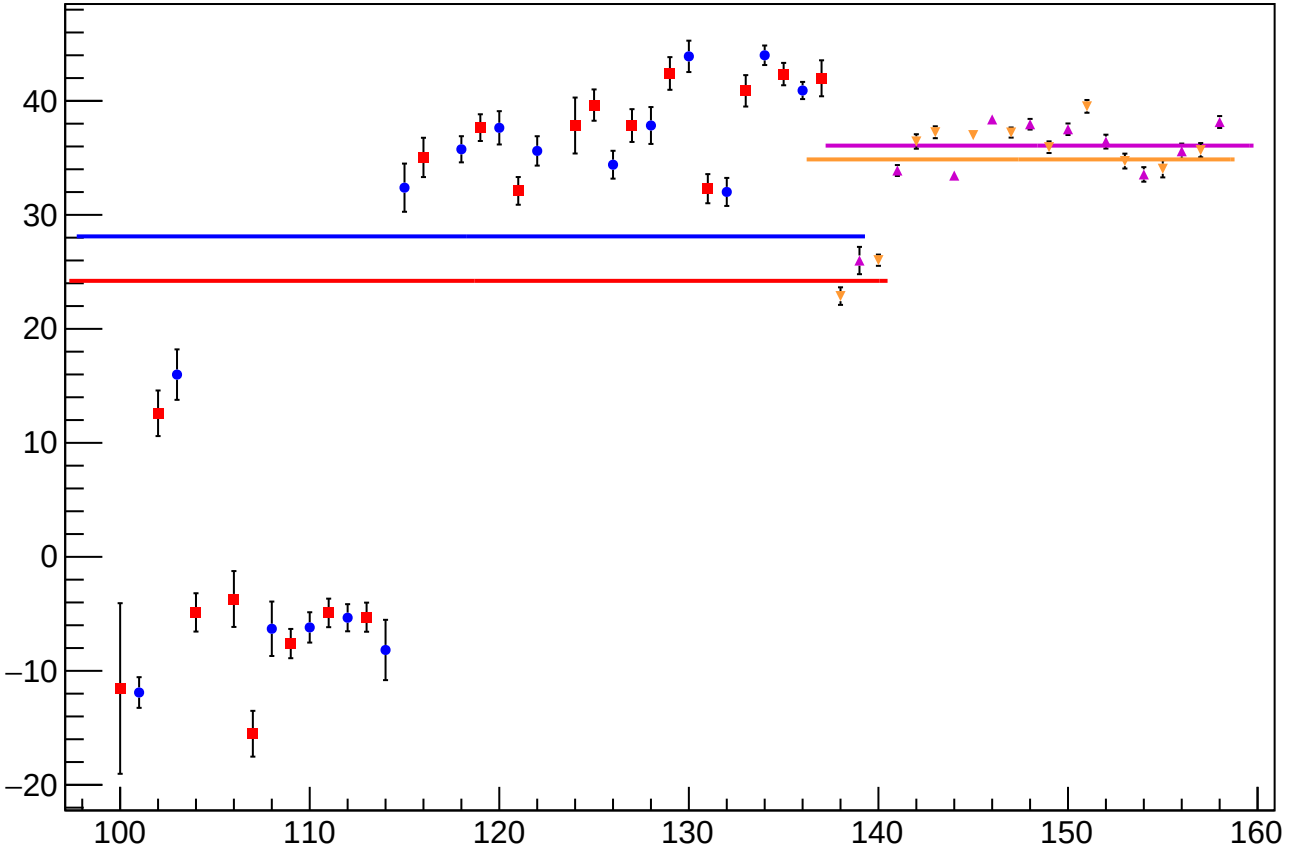
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.273+/-0.163 χ^2/NDF:3790.1/25

Out: -54.192+/-0.166 χ^2/NDF:3776.1/29

All: -54.233+/-0.116 χ^2/NDF: 7566.3/55

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.864+/-0.165 χ^2/NDF:722.3/10

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.075+/-0.160 χ^2/NDF:235.0/9

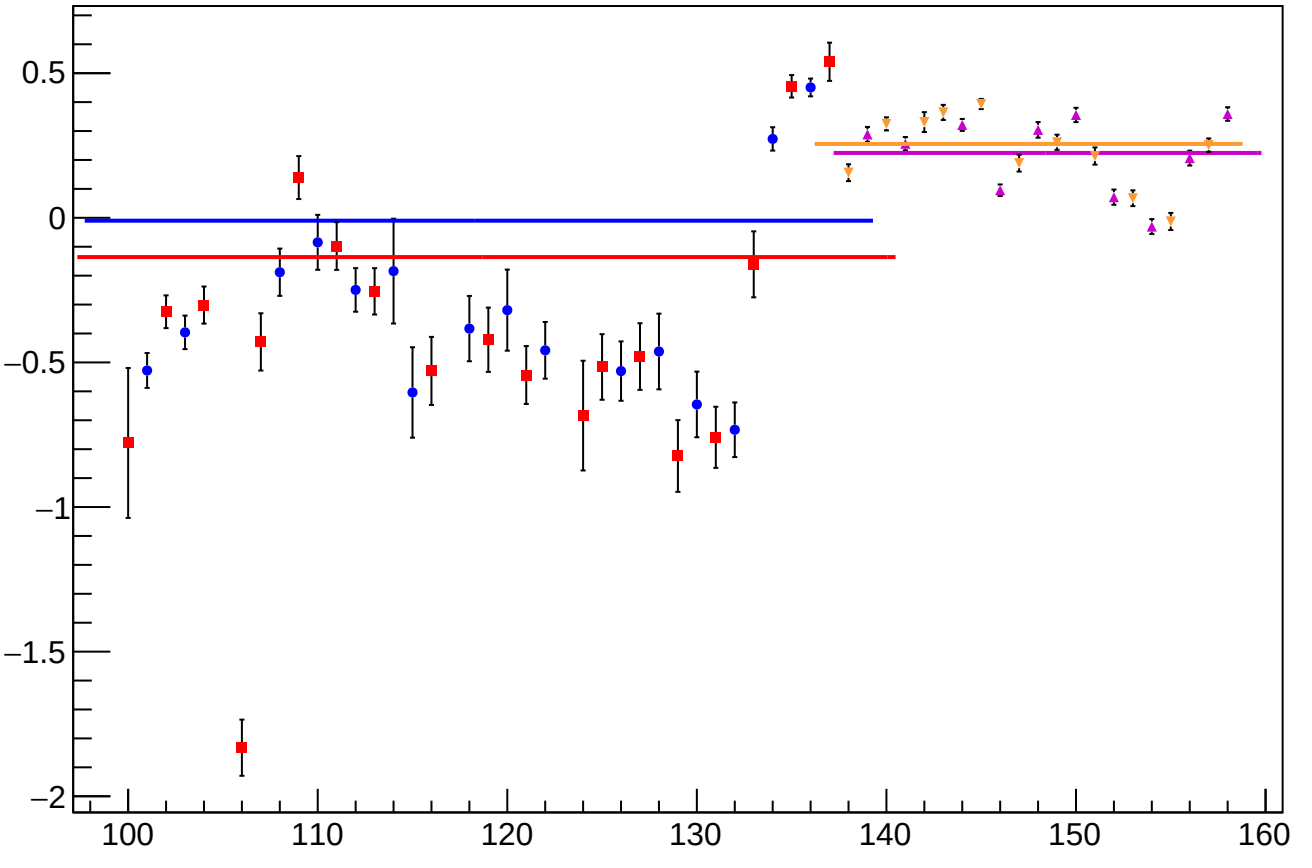
Left: 35.488+/-0.115 χ^2/NDF: 985.0/20

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 34.481+/-0.143 χ^2/NDF:4458.1/25

Out: 32.788+/-0.148 χ^2/NDF:5375.1/29

All: 33.663+/-0.103 χ^2/NDF: 9900.6/55



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.255+/-0.008 χ^2/NDF:241.6/10

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.224+/-0.008 χ^2/NDF:272.7/9

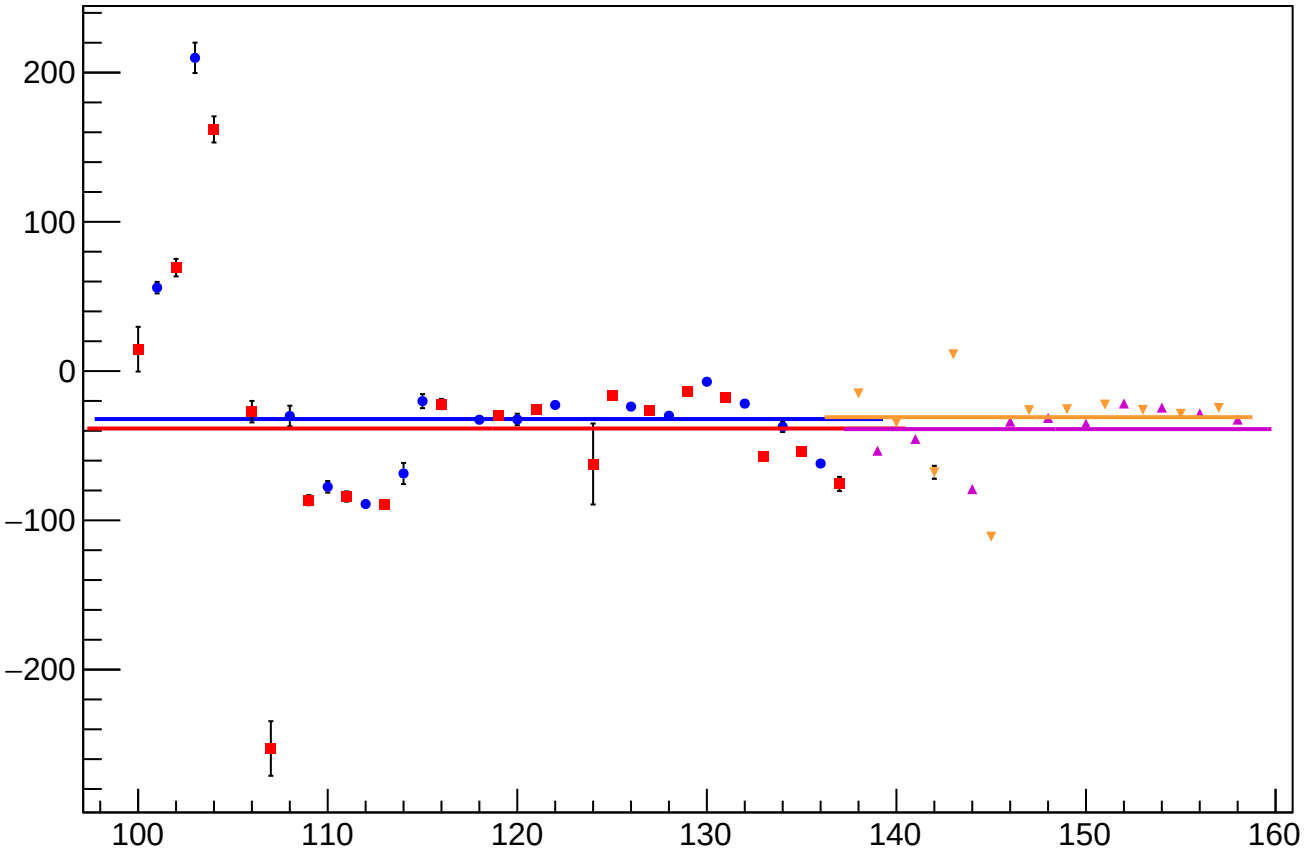
Left: 0.240+/-0.005 χ^2/NDF: 522.6/20

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.187+/-0.007 χ^2/NDF:1013.6/25

Out: 0.199+/-0.007 χ^2/NDF:1429.5/29

All: 0.193+/-0.005 χ^2/NDF: 2444.6/55



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -30.882+/-0.892 χ^2/NDF:923.0/10

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -38.878+/-0.894 χ^2/NDF:302.1/9

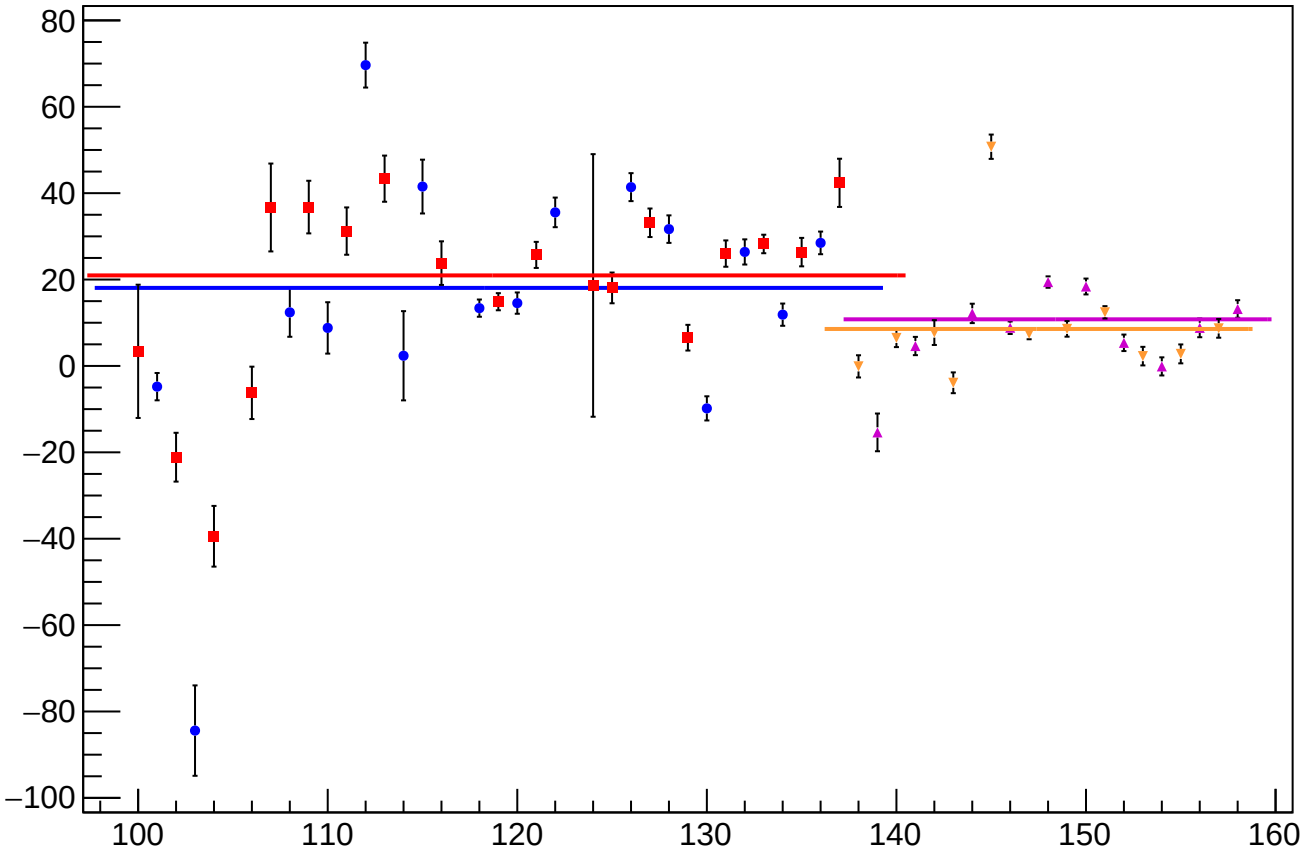
Left: -34.869+/-0.632 χ^2/NDF: 1265.1/20

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -35.296+/-0.613 χ^2/NDF:2209.8/25

Out: -34.791+/-0.621 χ^2/NDF:2932.7/29

All: -35.047+/-0.436 χ^2/NDF: 5142.9/55



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 8.559+/-0.595 χ^2/NDF:287.2/10

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 10.793+/-0.600 χ^2/NDF:143.9/9

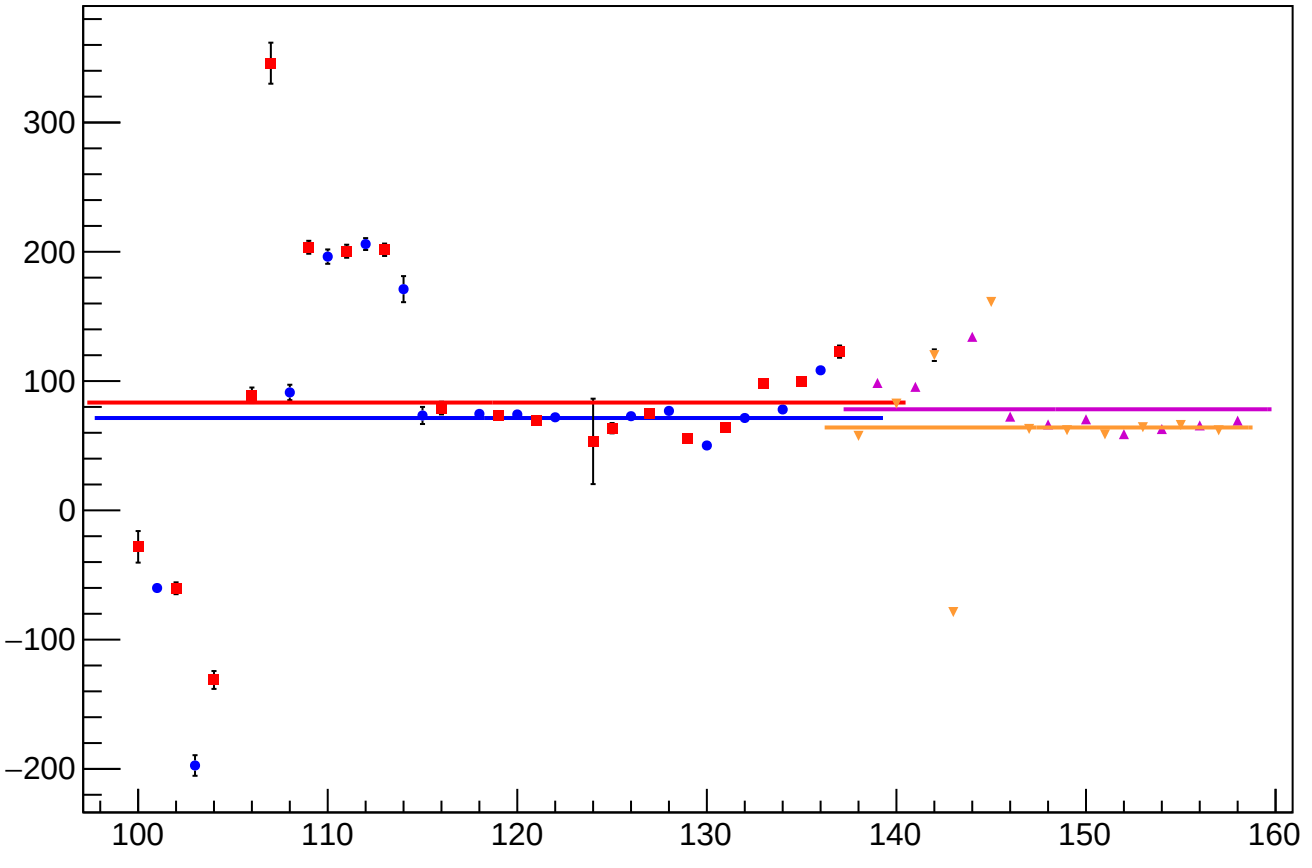
Left: 9.665+/-0.423 χ^2/NDF: 438.0/20

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 13.322+/-0.485 χ^2/NDF:694.4/25

Out: 12.518+/-0.491 χ^2/NDF:688.6/29

All: 12.924+/-0.345 χ^2/NDF: 1384.4/55



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.102+/-0.868 χ^2/NDF:2877.0/10

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 78.177+/-0.863 χ^2/NDF:562.1/9

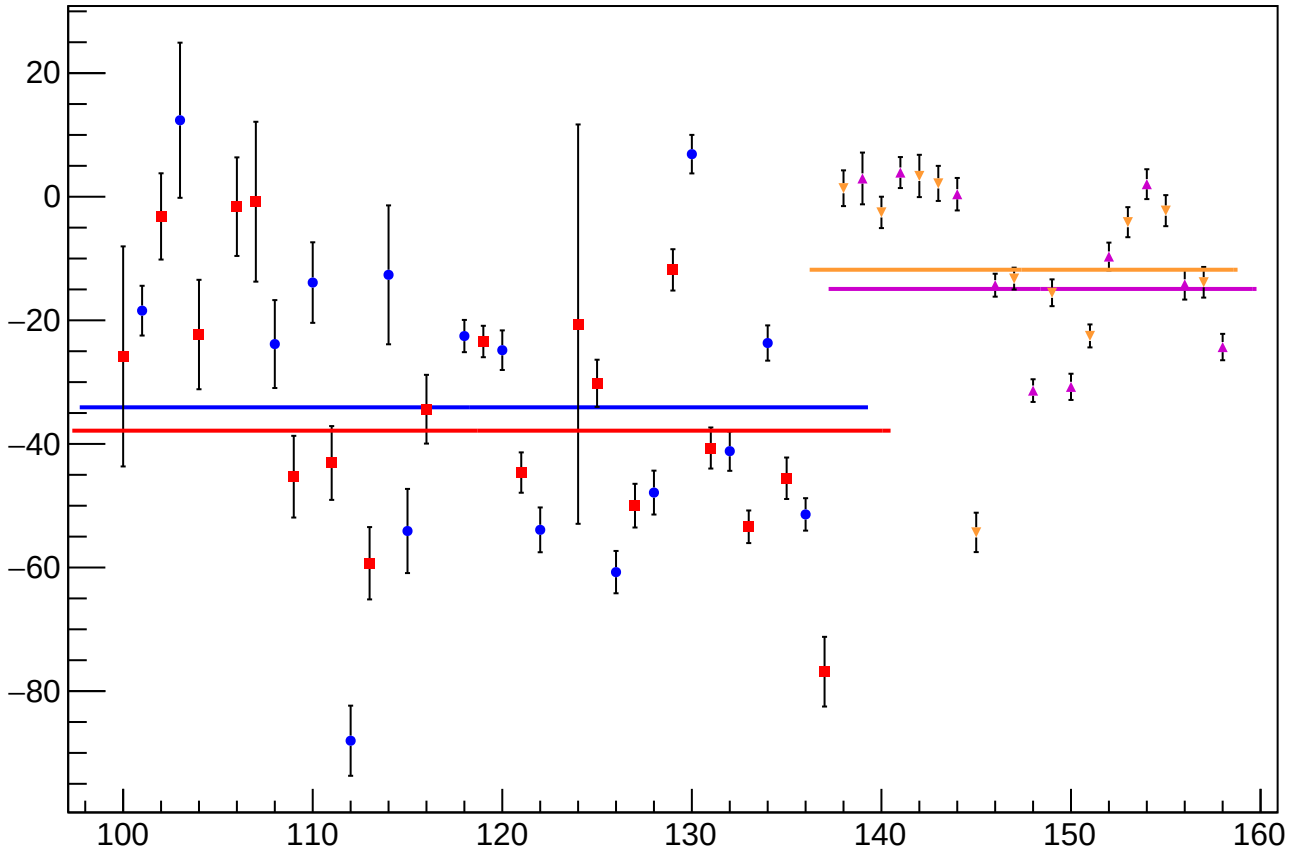
Left: 71.180+/-0.612 χ^2/NDF: 3571.2/20

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 75.054+/-0.633 χ^2/NDF:5410.0/25

Out: 72.533+/-0.651 χ^2/NDF:7390.0/29

All: 73.829+/-0.454 χ^2/NDF: 12807.6/55



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.814+/-0.726 χ^2/NDF:317.9/10

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -14.921+/-0.721 χ^2/NDF:319.1/9

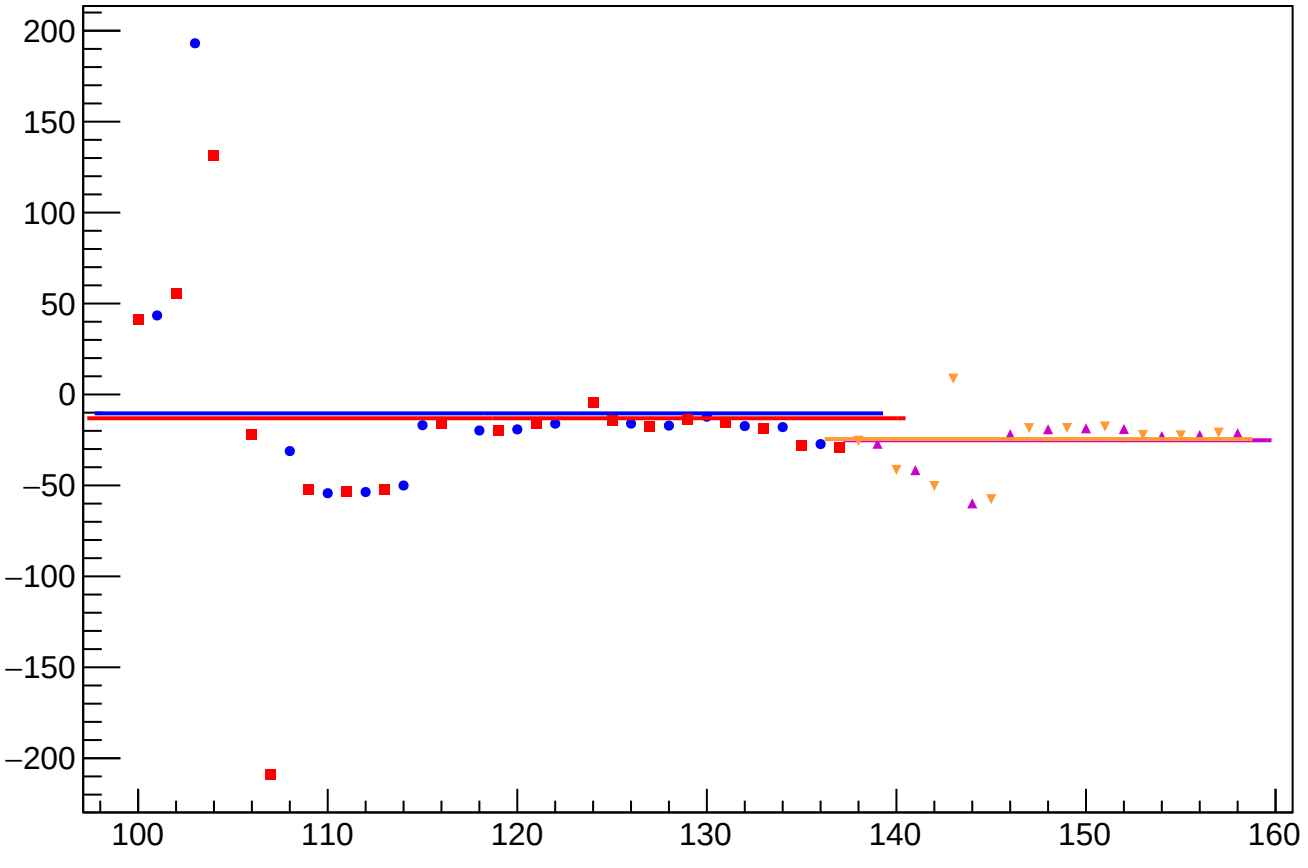
Left: -13.379+/-0.512 χ^2/NDF: 646.2/20

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -21.996+/-0.573 χ^2/NDF:1090.9/25

Out: -20.882+/-0.586 χ^2/NDF:1040.0/29

All: -21.453+/-0.410 χ^2/NDF: 2132.8/55



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -24.528+/-0.034 χ^2/NDF:175983.1/10

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -25.179+/-0.032 χ^2/NDF:95752.7/9

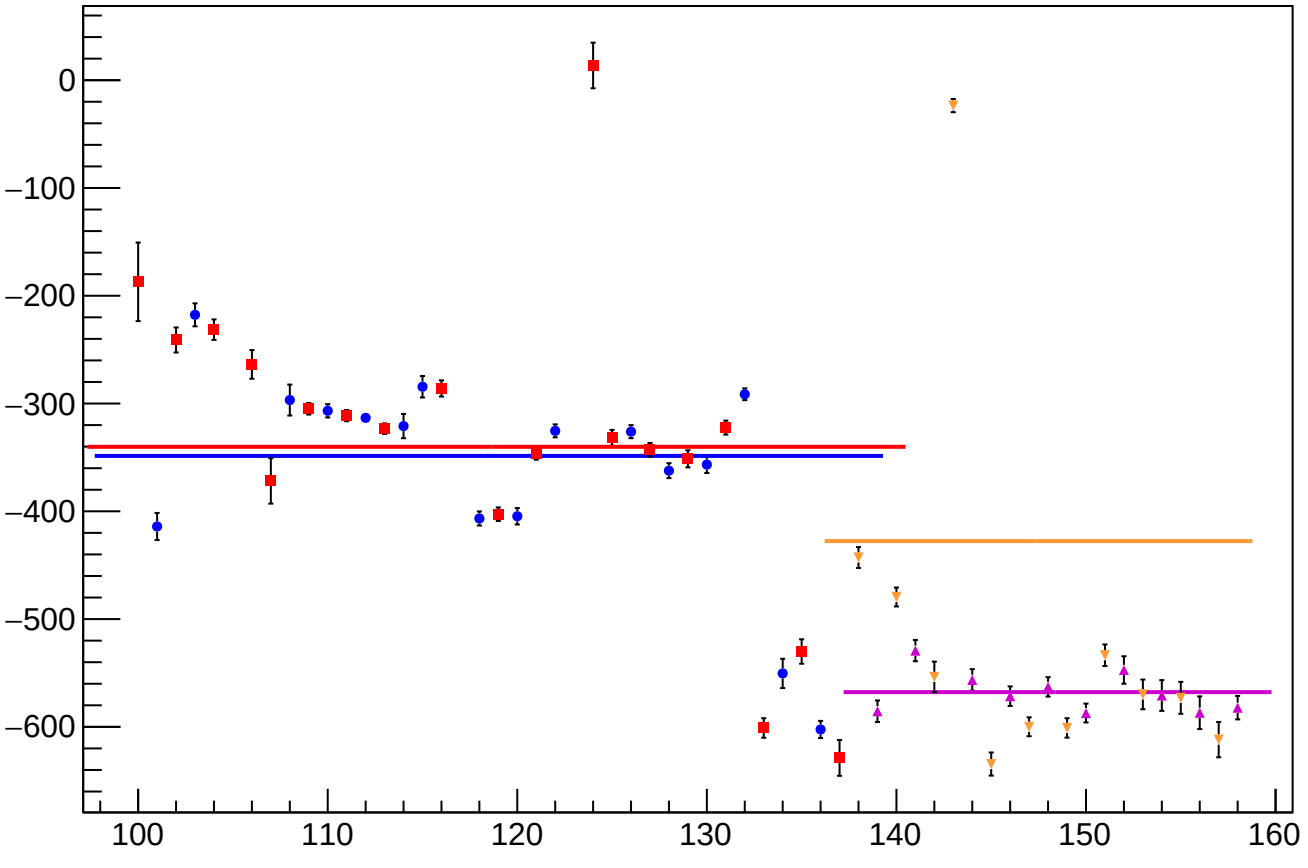
Left: -24.864+/-0.023 χ^2/NDF: 271930.3/20

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.543+/-0.028 χ^2/NDF:669097.0/25

Out: -21.972+/-0.030 χ^2/NDF:651586.7/29

All: -21.747+/-0.020 χ^2/NDF: 1320794.0/55



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -427.640+/-2.978 χ^2/NDF:6041.8/10

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -567.776+/-3.301 χ^2/NDF:31.1/9

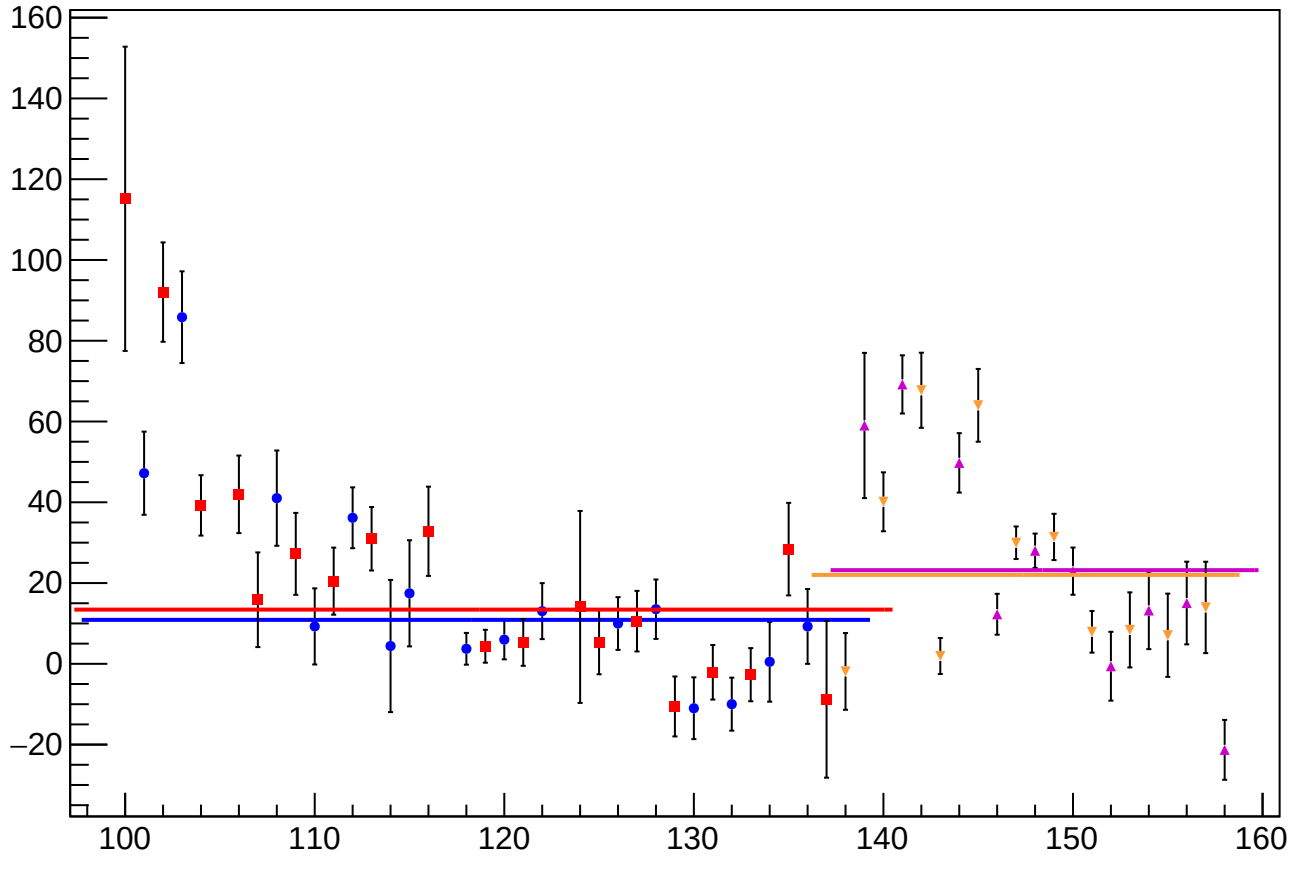
Left: -490.516+/-2.211 χ^2/NDF: 7066.8/20

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -399.894+/-1.597 χ^2/NDF:5267.3/25

Out: -362.787+/-1.515 χ^2/NDF:8878.9/29

All: -380.361+/-1.099 χ^2/NDF: 14430.4/55



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 22.014+/-1.953 χ^2/NDF:97.3/10

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 23.194+/-2.147 χ^2/NDF:109.3/9

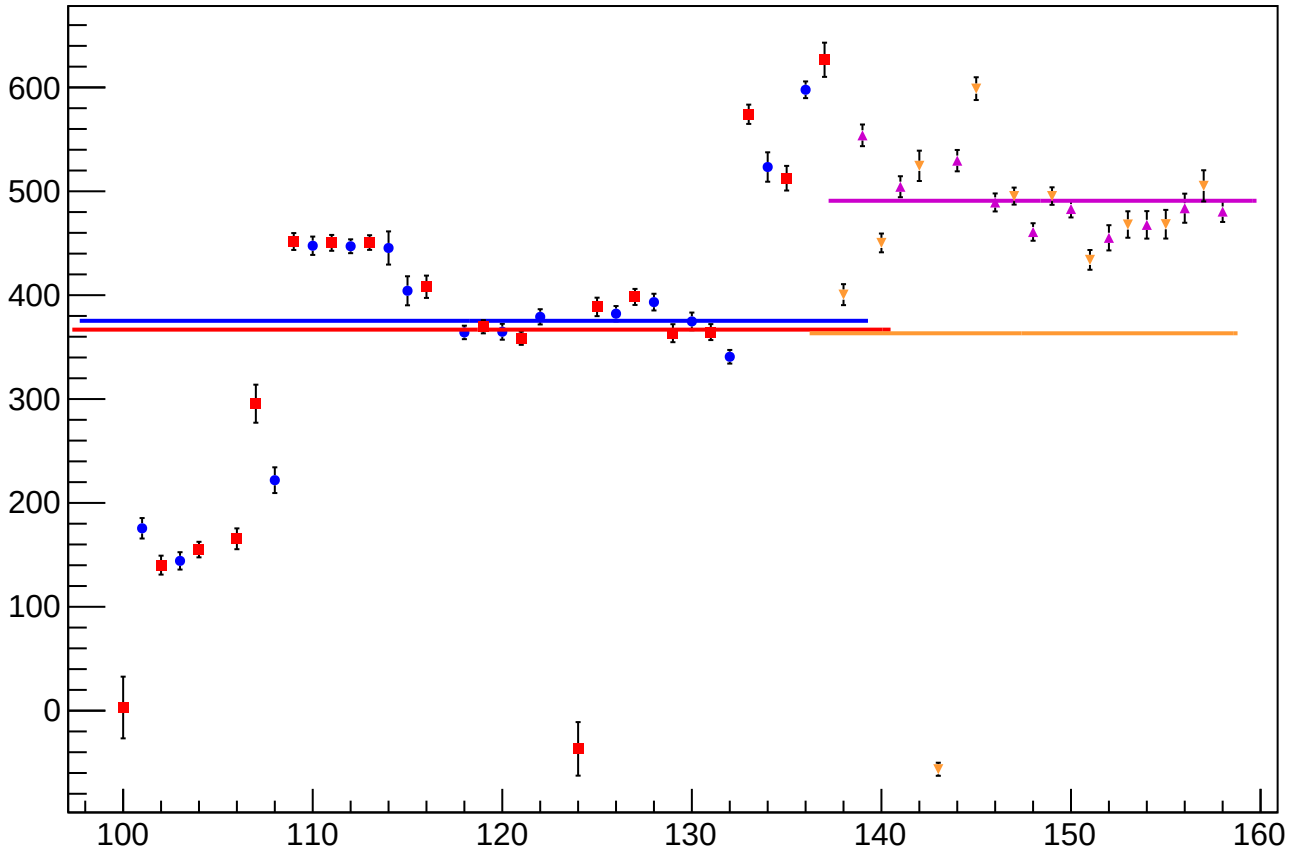
Left: 22.548+/-1.445 χ^2/NDF: 206.8/20

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 16.108+/-1.398 χ^2/NDF:226.4/25

Out: 17.498+/-1.345 χ^2/NDF:219.9/29

All: 16.830+/-0.969 χ^2/NDF: 446.9/55



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 363.305+/-2.933 χ^2/NDF:5909.2/10

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 490.882+/-3.188 χ^2/NDF:79.1/9

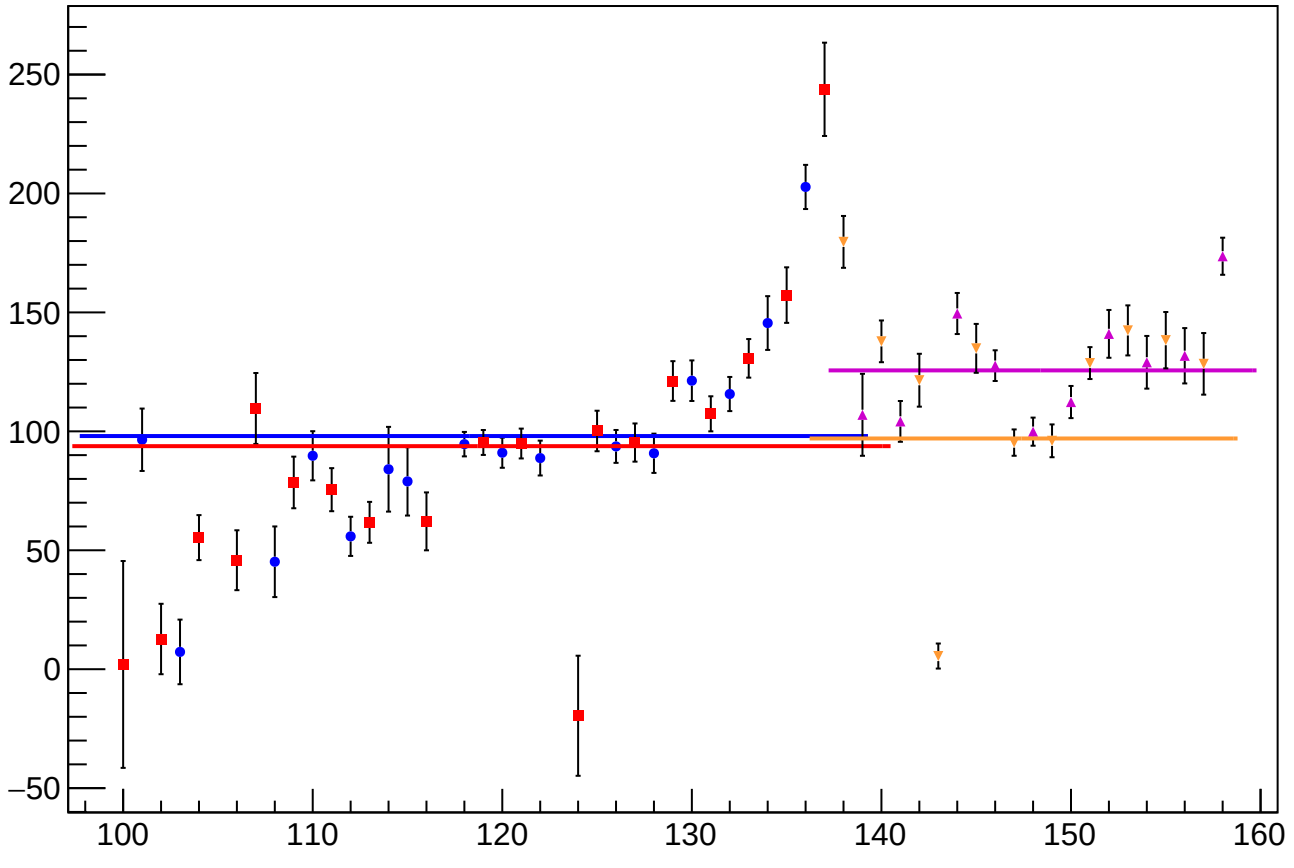
Left: 421.789+/-2.159 χ^2/NDF: 6855.3/20

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 410.347+/-1.755 χ^2/NDF:3444.0/25

Out: 365.673+/-1.680 χ^2/NDF:9451.3/29

All: 387.031+/-1.214 χ^2/NDF: 13233.2/55



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 96.998+/-2.404 χ^2/NDF:458.7/10

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 125.622+/-2.610 χ^2/NDF:78.7/9

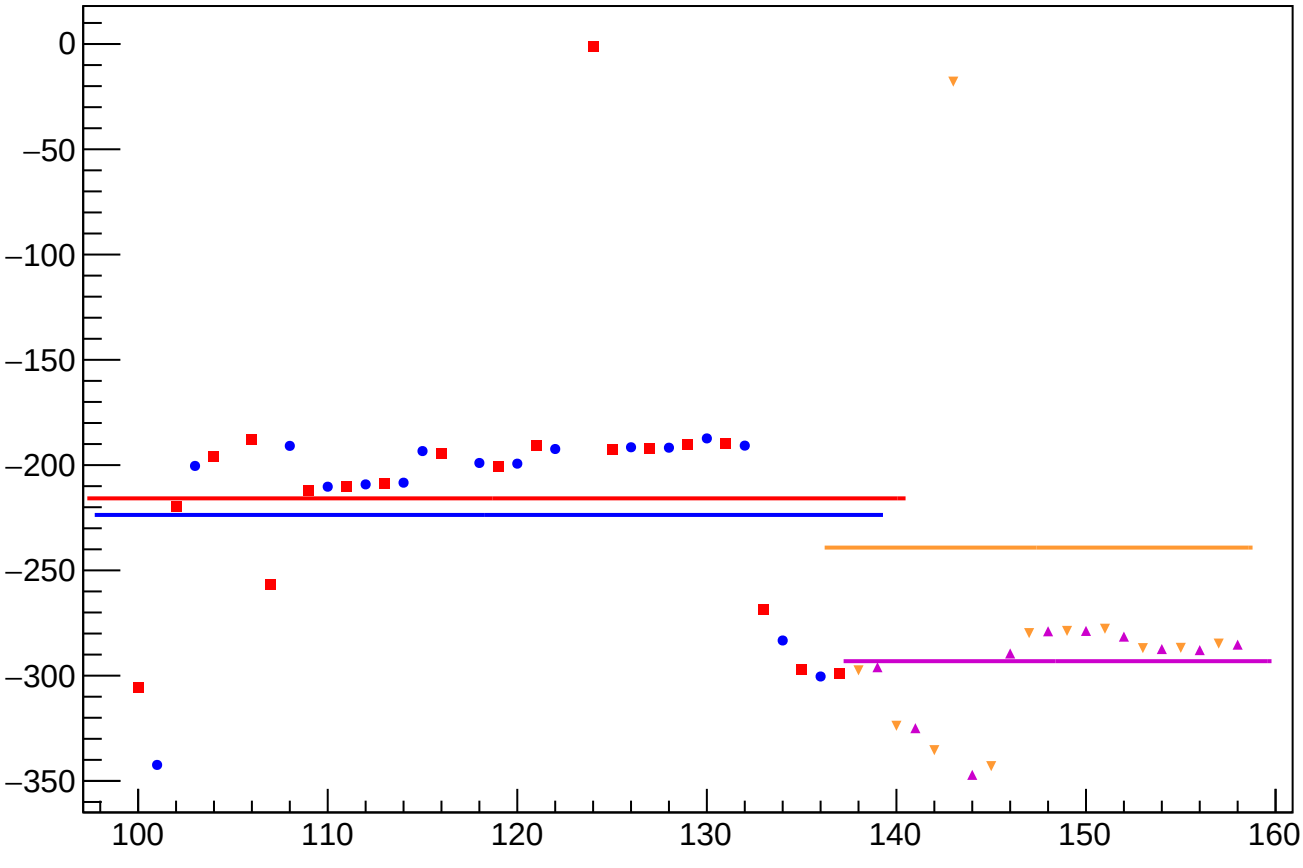
Left: 110.135+/-1.768 χ^2/NDF: 602.5/20

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 109.144+/-1.657 χ^2/NDF:394.9/25

Out: 95.197+/-1.598 χ^2/NDF:696.8/29

All: 101.917+/-1.150 χ^2/NDF: 1128.5/55



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -239.178+/-0.118 χ^2/NDF:930890.0/10

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -293.127+/-0.123 χ^2/NDF:24919.4/9

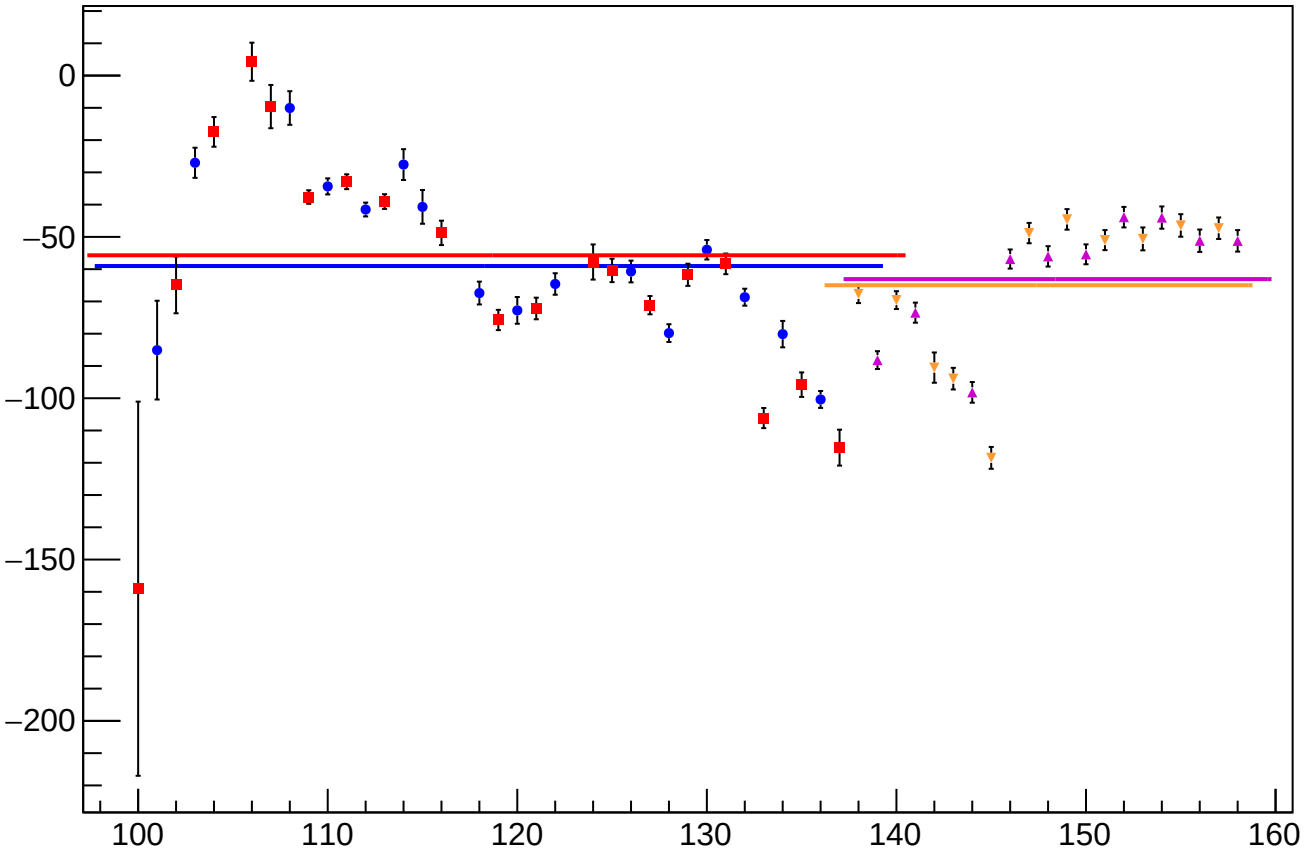
Left: -265.102+/-0.085 χ^2/NDF: 1055688.7/20

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -262.437+/-0.092 χ^2/NDF:287274.6/25

Out: -228.959+/-0.089 χ^2/NDF:1029469.1/29

All: -245.118+/-0.064 χ^2/NDF: 1385368.5/55



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -64.984+/-0.985 χ^2/NDF:517.6/10

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -63.084+/-0.997 χ^2/NDF:320.6/9

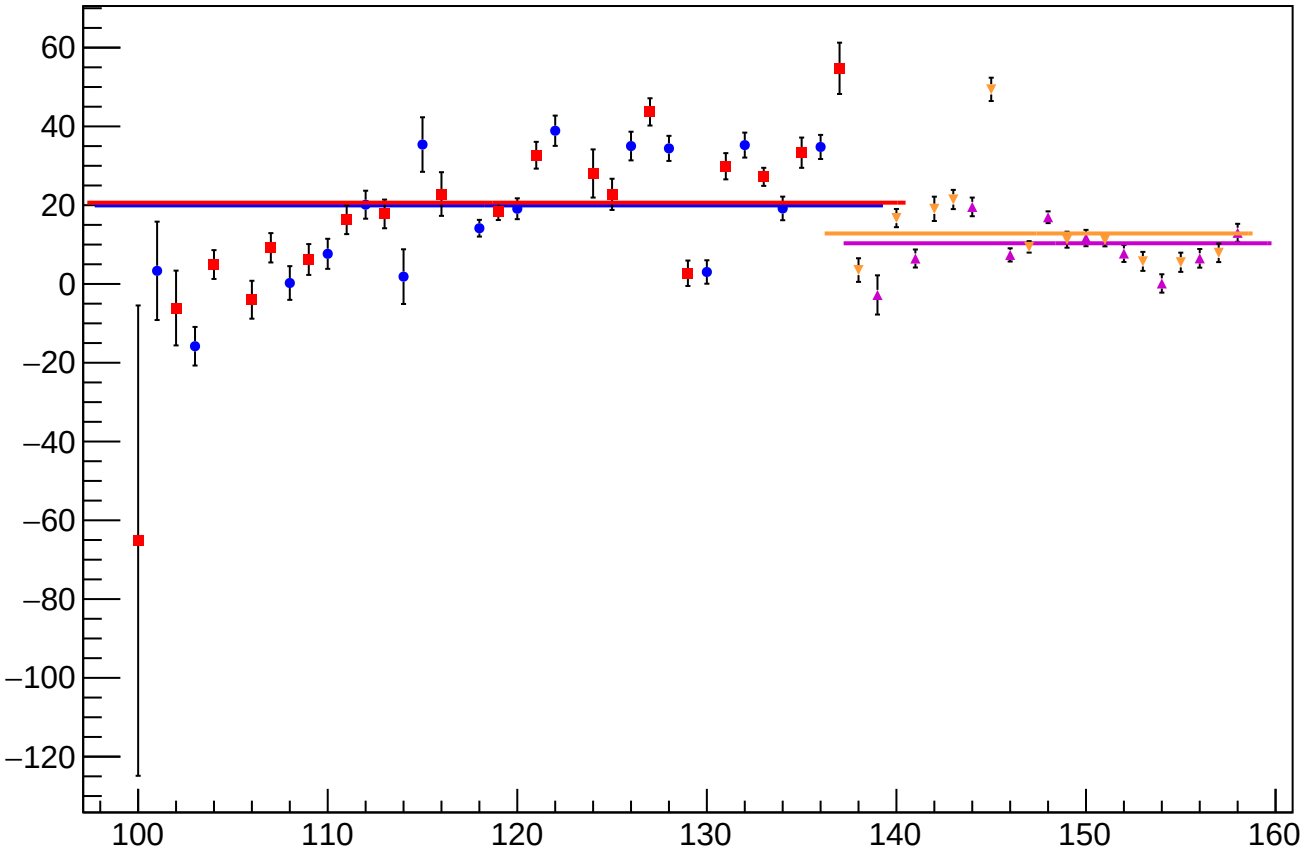
Left: -64.045+/-0.701 χ^2/NDF: 840.1/20

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -60.689+/-0.637 χ^2/NDF:1057.7/25

Out: -59.334+/-0.616 χ^2/NDF:1612.8/29

All: -59.988+/-0.443 χ^2/NDF: 2672.9/55



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 12.821+/-0.659 χ^2/NDF:210.4/10

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 10.330+/-0.671 χ^2/NDF:72.7/9

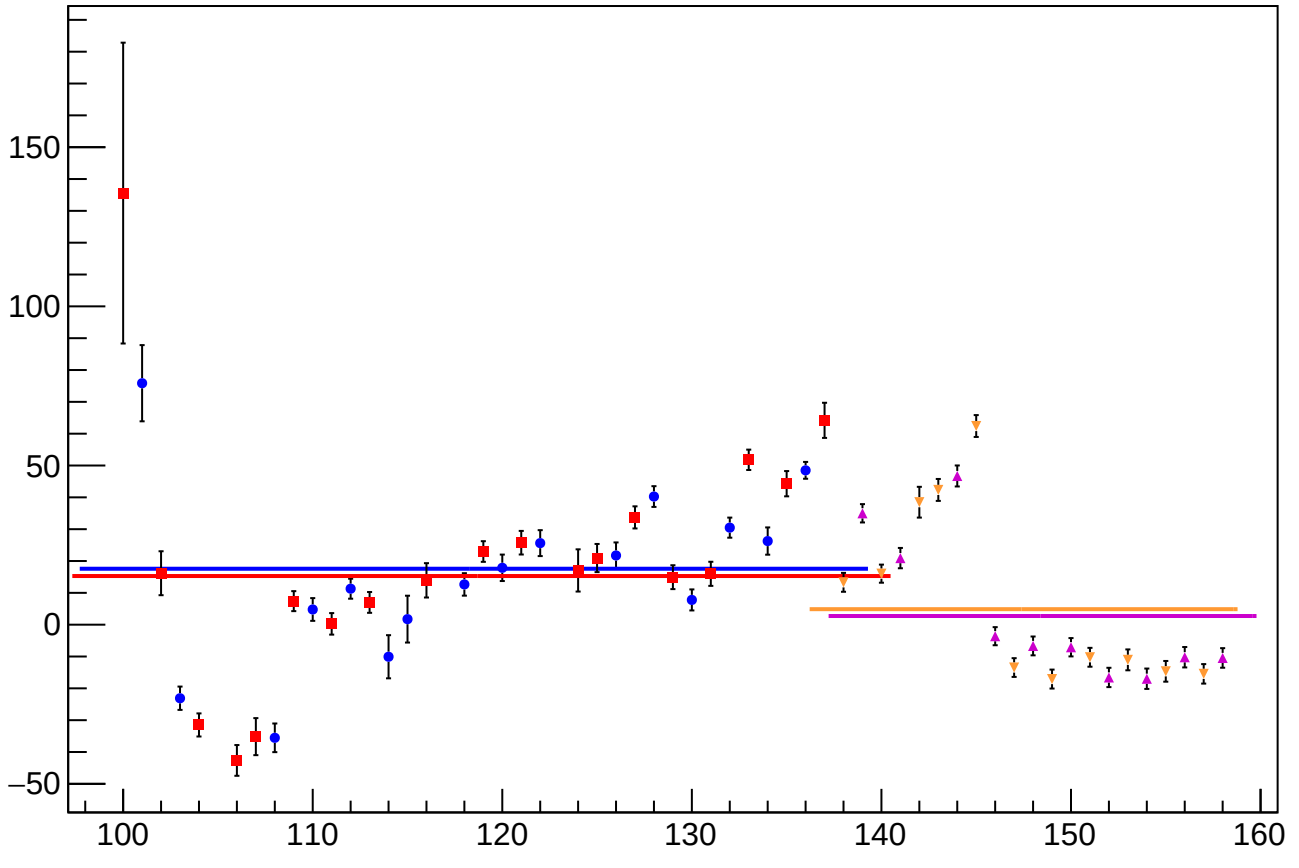
Left: 11.598+/-0.470 χ^2/NDF: 290.1/20

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 13.932+/-0.531 χ^2/NDF:396.7/25

Out: 15.785+/-0.519 χ^2/NDF:488.6/29

All: 14.879+/-0.371 χ^2/NDF: 891.5/55



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 4.870+/-0.960 χ^2/NDF:693.5/10

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 2.723+/-0.963 χ^2/NDF:475.7/9

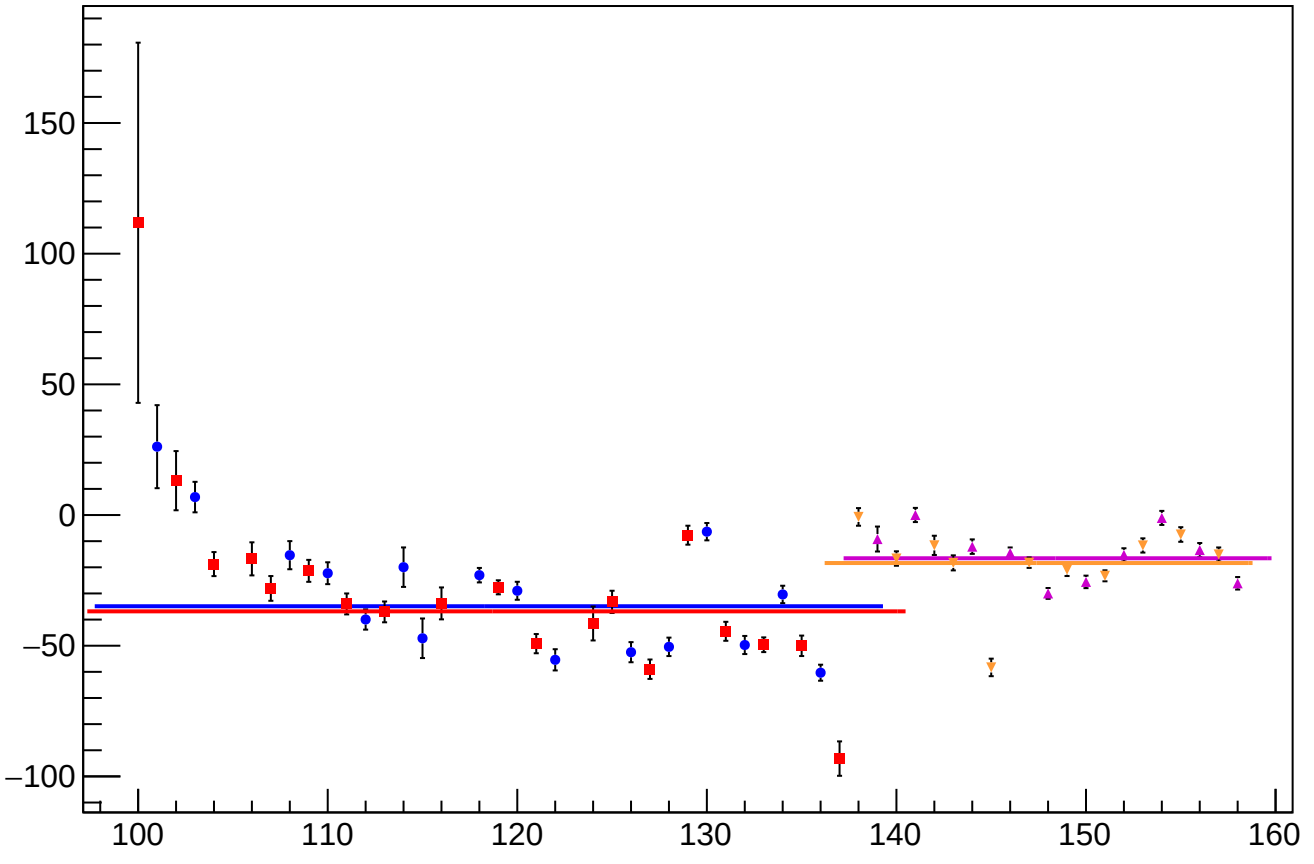
Left: 3.800+/-0.680 χ^2/NDF: 1171.7/20

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 10.196+/-0.679 χ^2/NDF:1141.6/25

Out: 10.219+/-0.669 χ^2/NDF:1484.0/29

All: 10.208+/-0.477 χ^2/NDF: 2625.6/55



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.363+/-0.804 χ^2/NDF:202.2/10

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.539+/-0.805 χ^2/NDF:149.9/9

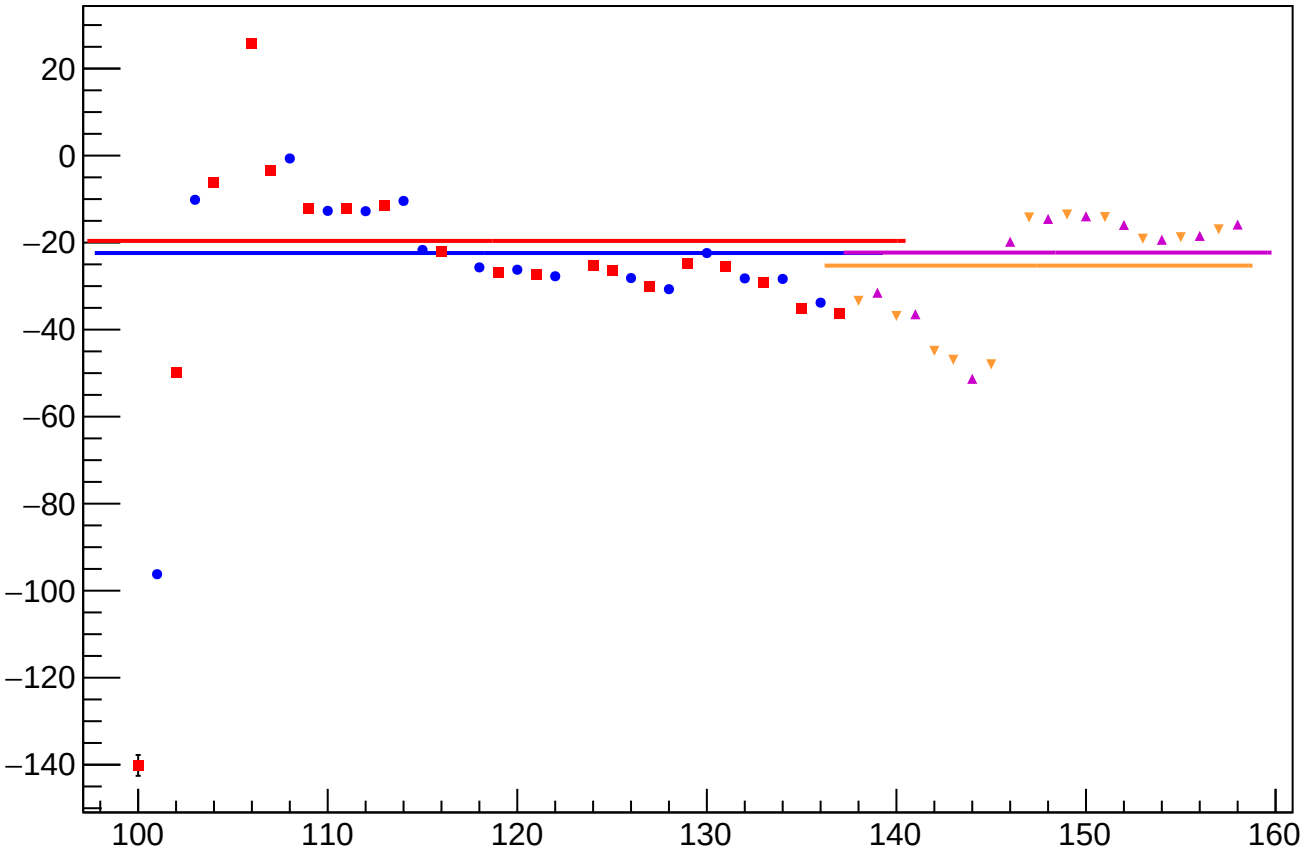
Left: -17.452+/-0.569 χ^2/NDF: 354.7/20

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -23.841+/-0.625 χ^2/NDF:703.6/25

Out: -25.894+/-0.619 χ^2/NDF:719.2/29

All: -24.877+/-0.440 χ^2/NDF: 1428.2/55



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -25.287+/-0.037 χ^2/NDF:113040.8/10

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -22.291+/-0.036 χ^2/NDF:77425.0/9

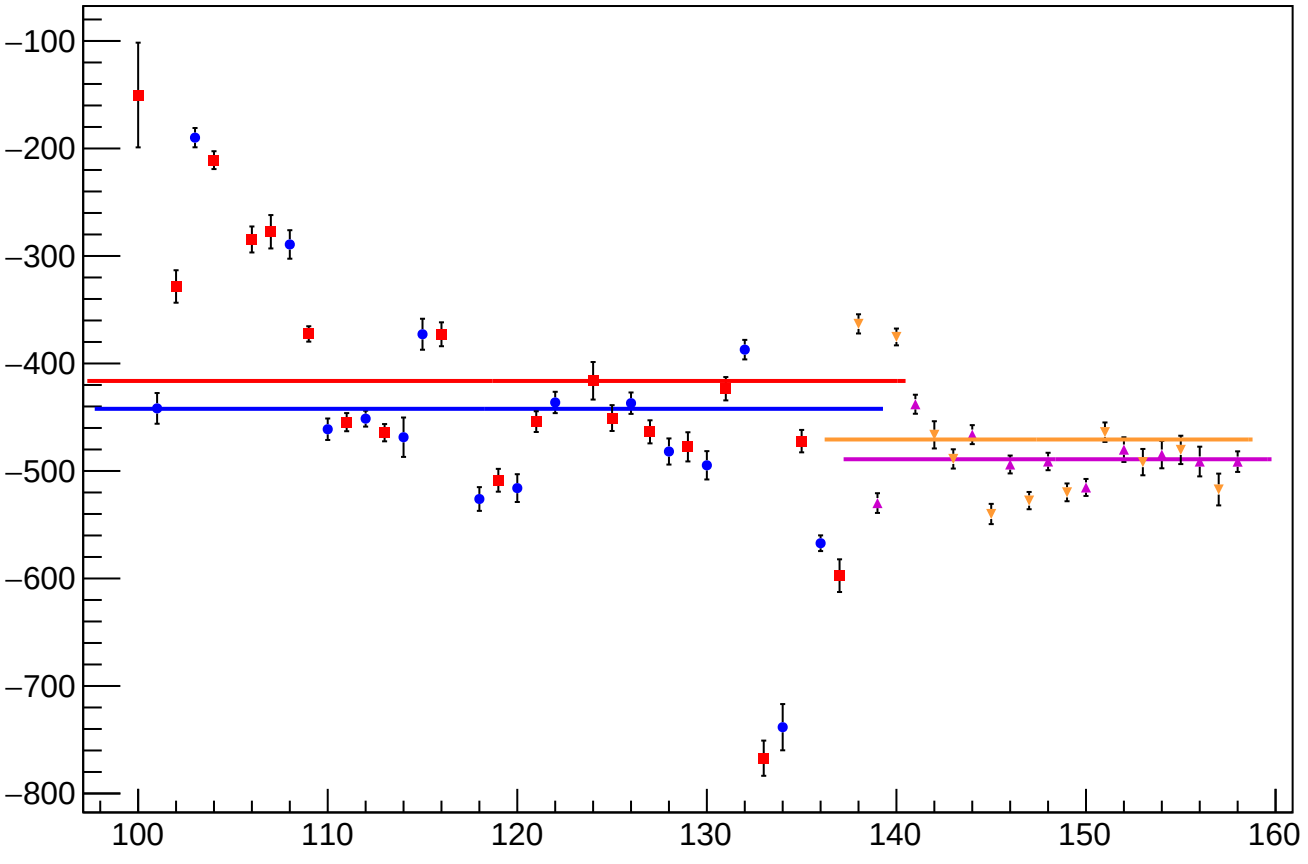
Left: -23.753+/-0.026 χ^2/NDF: 193808.9/20

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -22.320+/-0.031 χ^2/NDF:123946.9/25

Out: -23.696+/-0.031 χ^2/NDF:203483.1/29

All: -22.992+/-0.022 χ^2/NDF: 328408.8/55



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -470.712+/-2.909 χ^2/NDF:451.5/10

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -489.091+/-2.974 χ^2/NDF:72.1/9

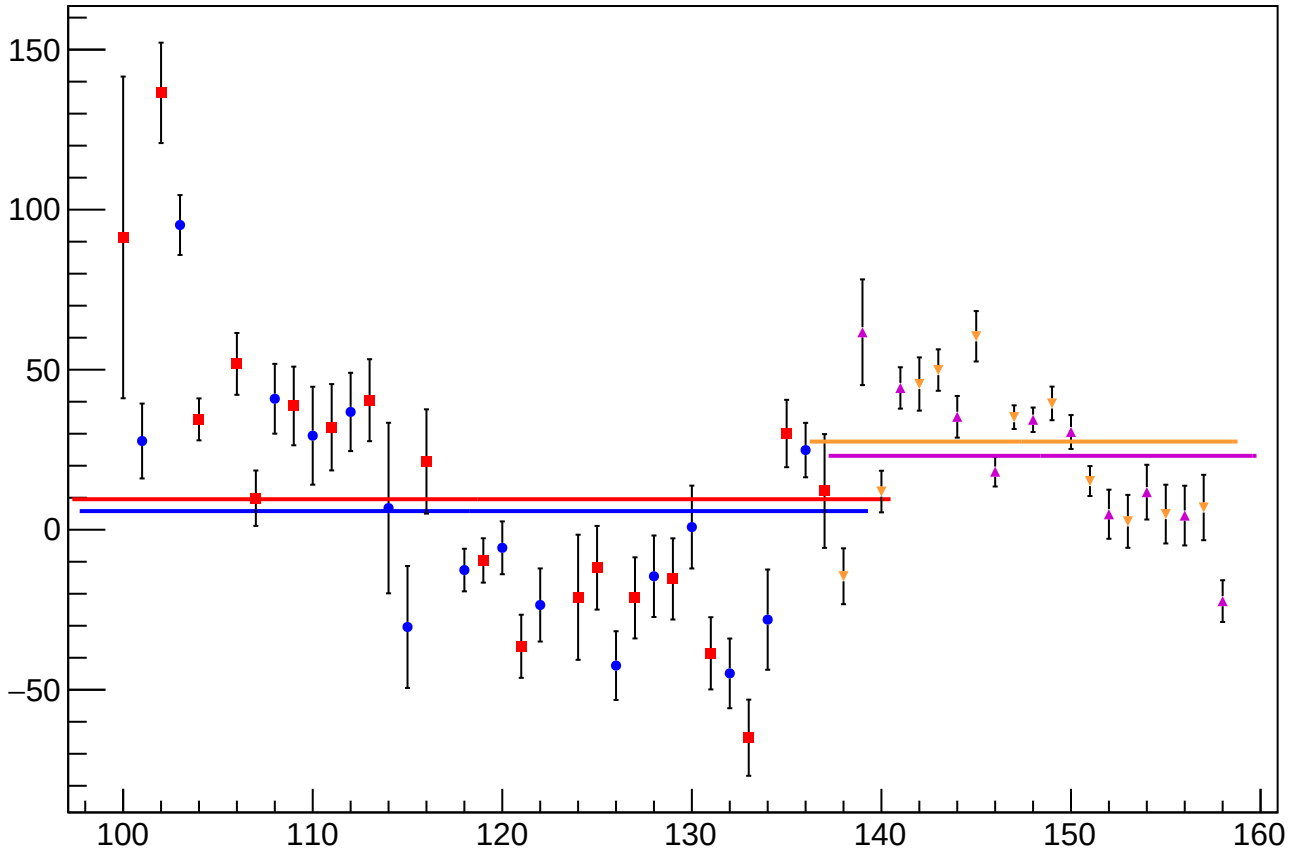
Left: -479.697+/-2.079 χ^2/NDF: 543.2/20

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -463.219+/-1.992 χ^2/NDF:1798.4/25

Out: -439.634+/-1.906 χ^2/NDF:2405.4/29

All: -450.907+/-1.377 χ^2/NDF: 4277.0/55



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 27.542+/-1.880 χ^2/NDF:98.7/10

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 23.091+/-1.933 χ^2/NDF:91.4/9

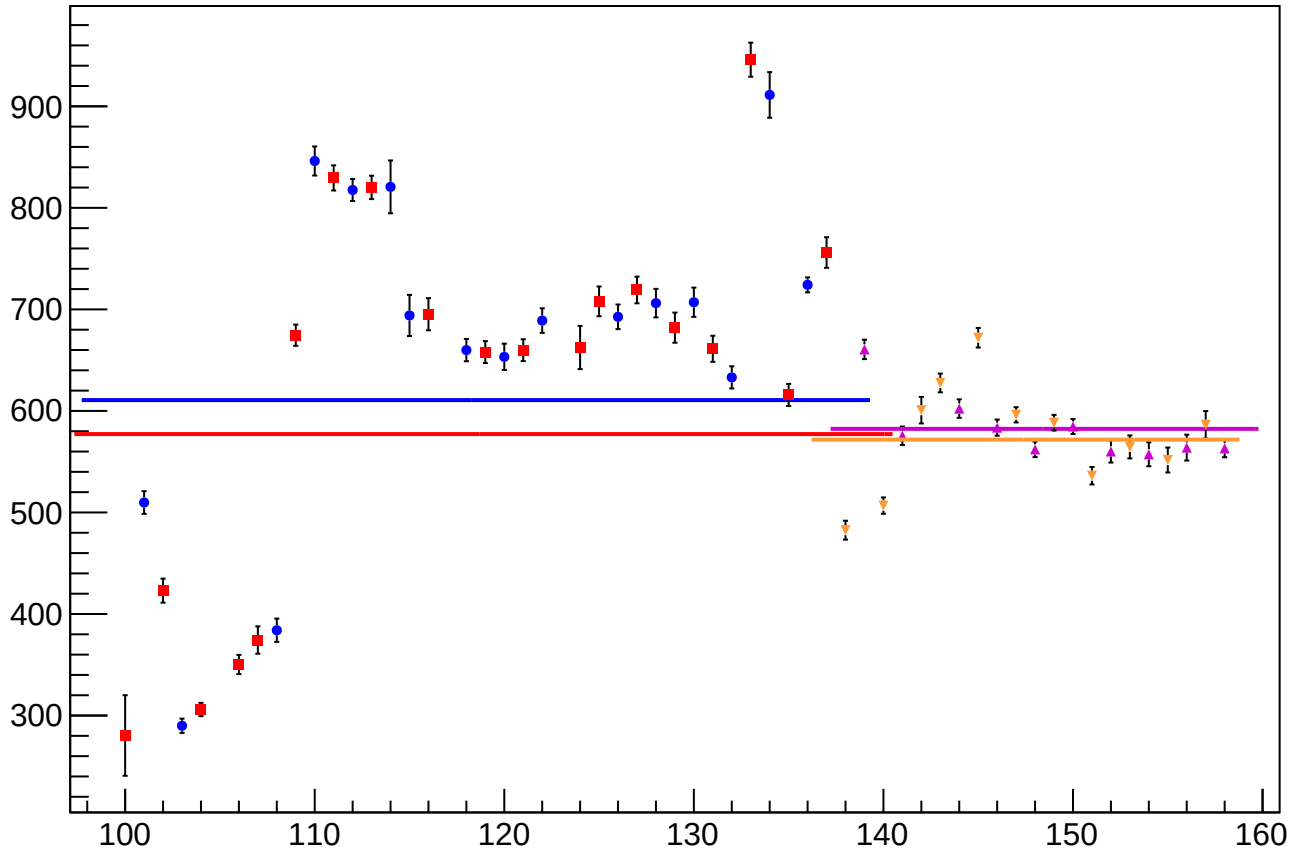
Left: 25.378+/-1.348 χ^2/NDF: 192.8/20

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 17.319+/-1.577 χ^2/NDF:306.2/25

Out: 21.220+/-1.515 χ^2/NDF:353.1/29

All: 19.349+/-1.092 χ^2/NDF: 662.4/55



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 571.743+/-2.847 χ^2/NDF:343.6/10

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 582.346+/-2.873 χ^2/NDF:95.0/9

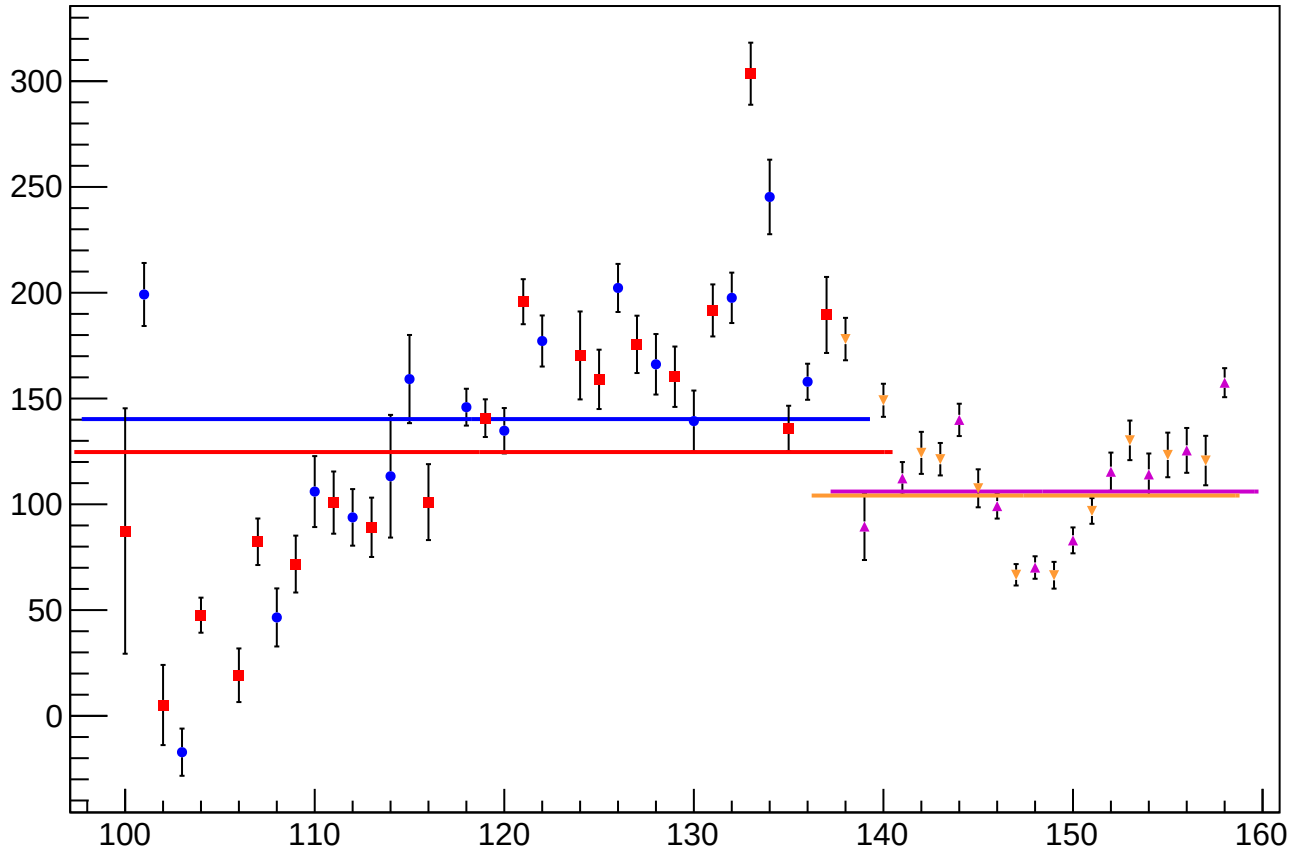
Left: 576.996+/-2.022 χ^2/NDF: 445.5/20

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 596.408+/-2.038 χ^2/NDF:4035.9/25

Out: 574.563+/-1.980 χ^2/NDF:5145.8/29

All: 585.168+/-1.420 χ^2/NDF: 9240.7/55



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 104.138+/-2.326 χ^2/NDF:201.7/10

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 106.027+/-2.348 χ^2/NDF:144.0/9

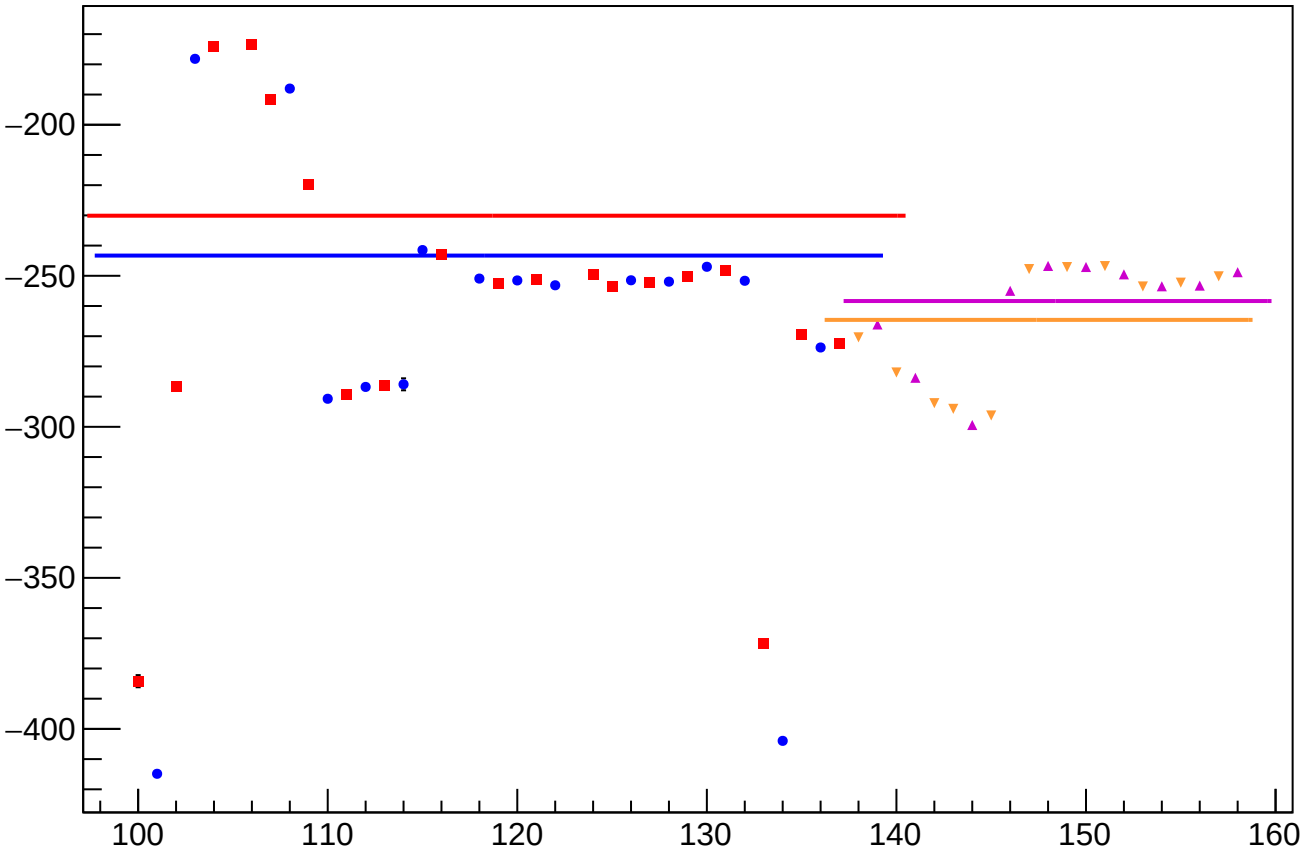
Left: 105.074+/-1.653 χ^2/NDF: 346.0/20

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 118.257+/-1.883 χ^2/NDF:605.3/25

Out: 111.928+/-1.833 χ^2/NDF:739.8/29

All: 115.008+/-1.314 χ^2/NDF: 1350.9/55



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -264.595+/-0.114 χ^2/NDF:28881.7/10

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -258.355+/-0.111 χ^2/NDF:20051.6/9

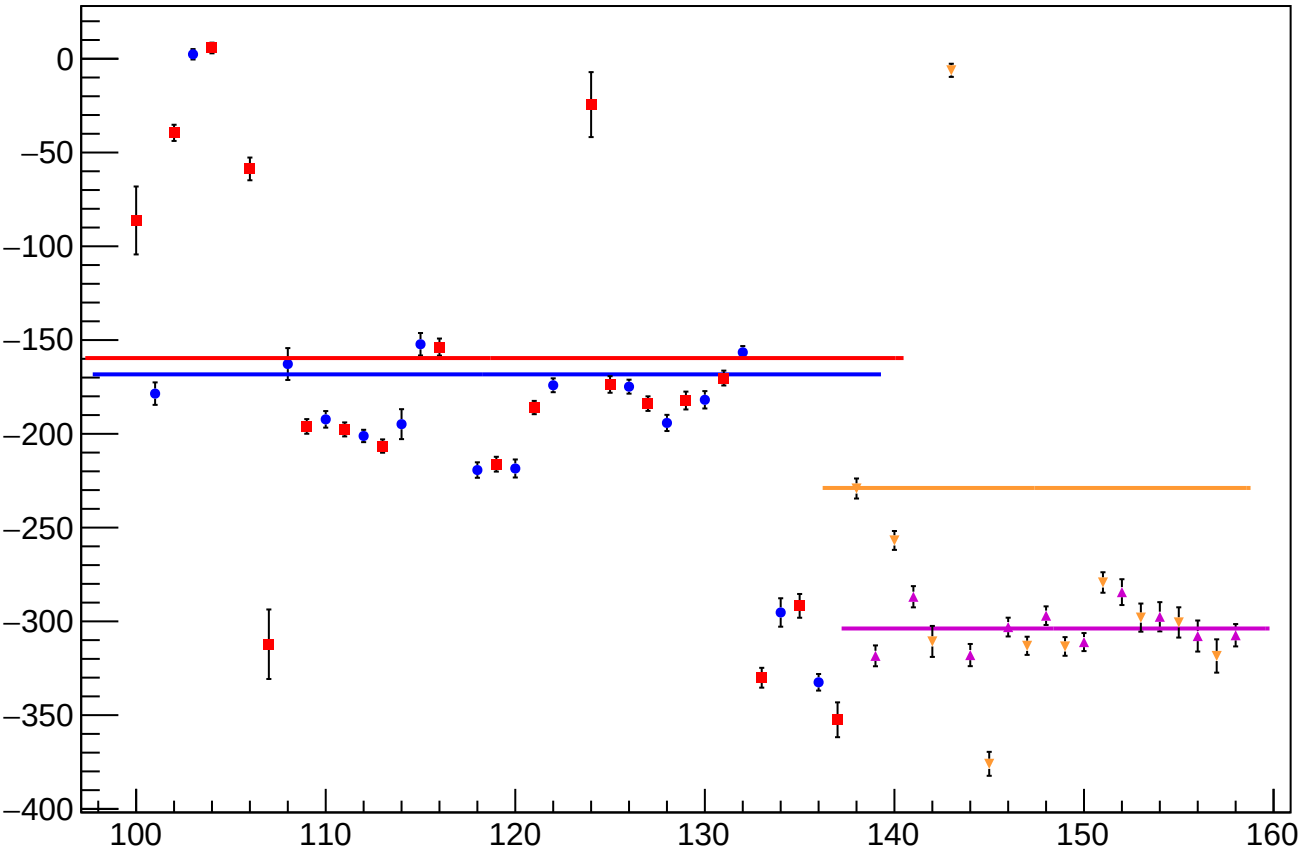
Left: -261.378+/-0.080 χ^2/NDF: 50469.0/20

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -253.579+/-0.092 χ^2/NDF:199391.5/25

Out: -252.683+/-0.092 χ^2/NDF:162768.0/29

All: -253.136+/-0.065 χ^2/NDF: 362207.0/55



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -228.861+/-1.673 χ^2/NDF:5628.0/10

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -303.801+/-1.837 χ^2/NDF:34.9/9

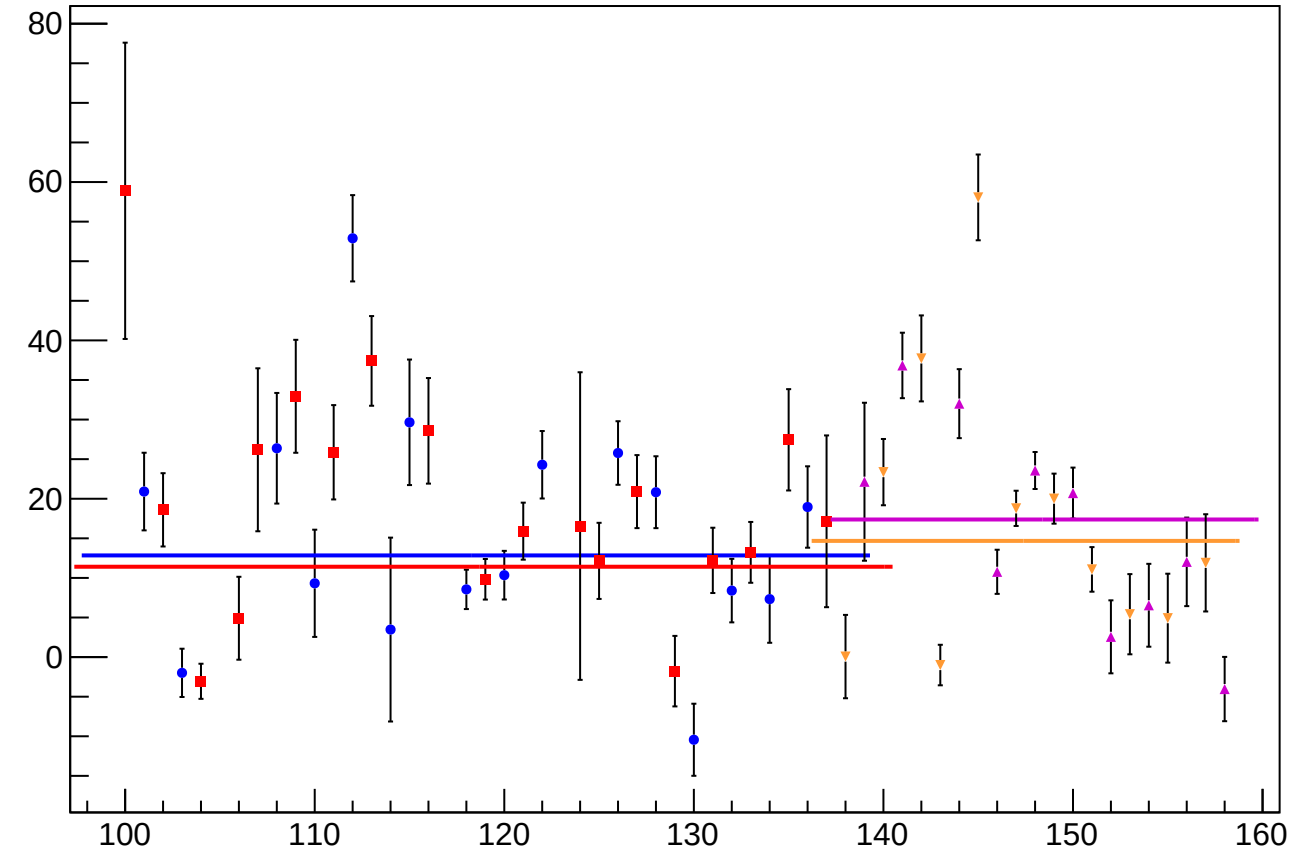
Left: -262.839+/-1.237 χ^2/NDF: 6572.4/20

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -202.890+/-0.928 χ^2/NDF:9994.0/25

Out: -178.964+/-0.885 χ^2/NDF:14060.2/29

All: -190.352+/-0.640 χ^2/NDF: 24402.3/55



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 14.677+/-1.092 χ^2/NDF:146.2/10

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 17.379+/-1.190 χ^2/NDF:90.7/9

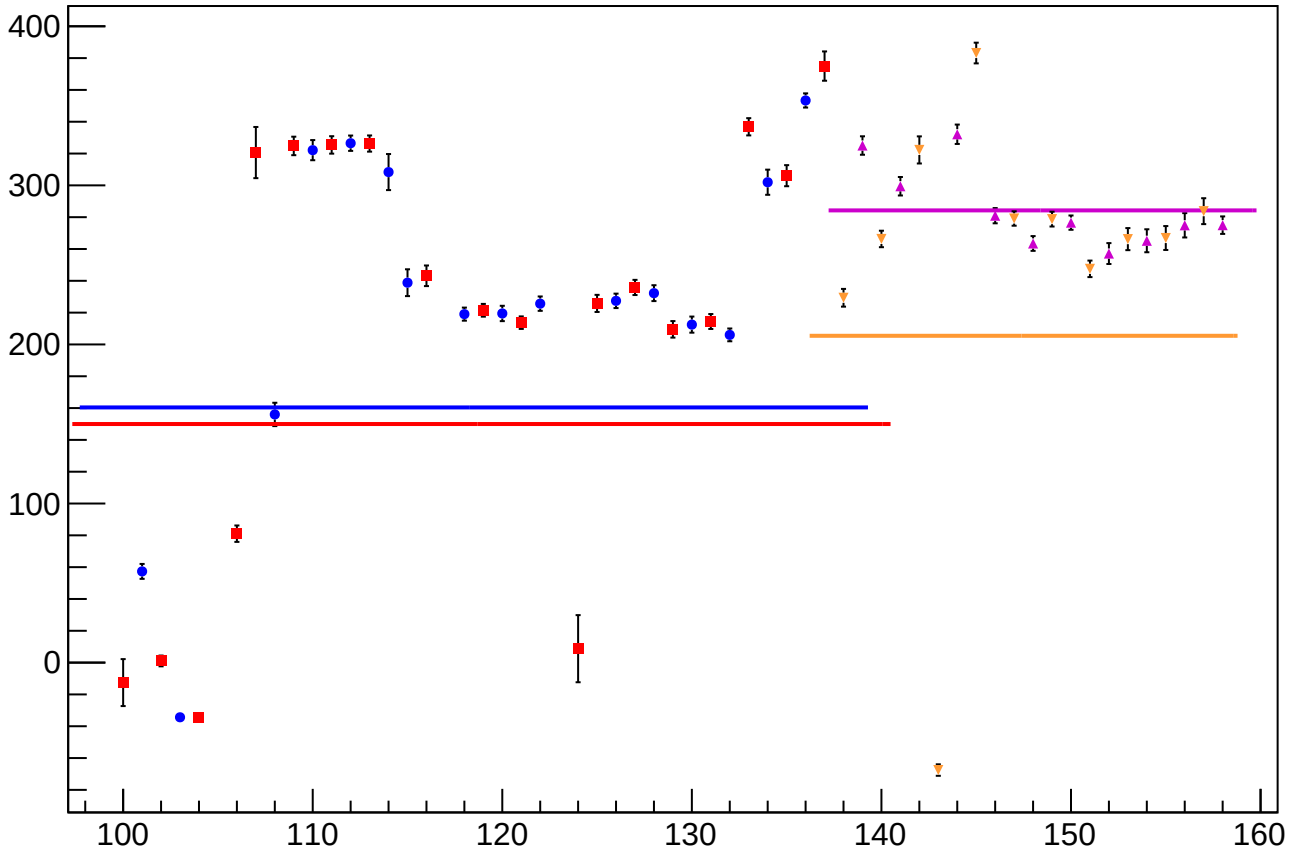
Left: 15.912+/-0.804 χ^2/NDF: 239.7/20

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 14.883+/-0.798 χ^2/NDF:242.4/25

Out: 12.960+/-0.751 χ^2/NDF:270.4/29

All: 13.863+/-0.547 χ^2/NDF: 515.9/55



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 205.439+/-1.645 χ^2/NDF:7626.5/10

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 284.265+/-1.772 χ^2/NDF:170.0/9

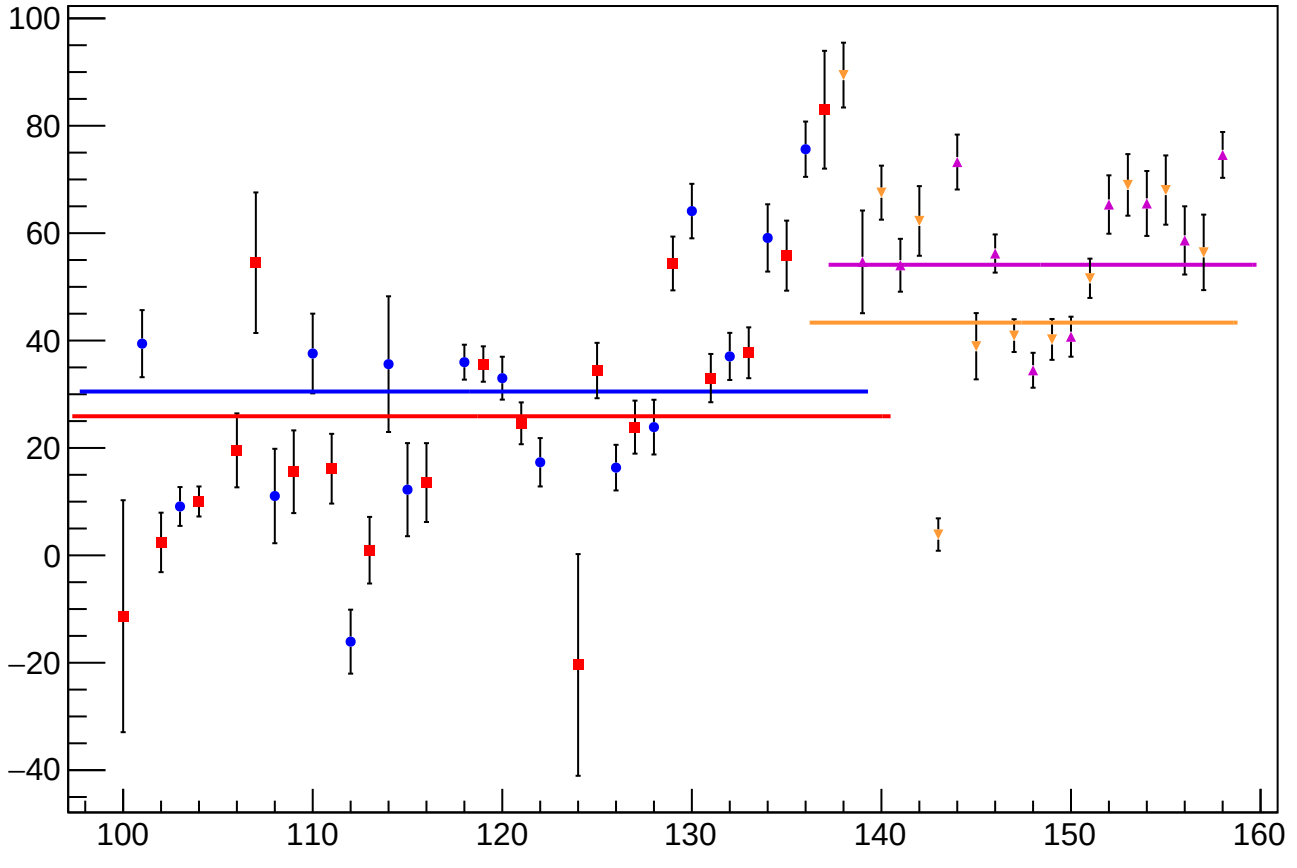
Left: 241.930+/-1.205 χ^2/NDF: 8859.6/20

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 196.628+/-0.958 χ^2/NDF:17577.9/25

Out: 167.260+/-0.918 χ^2/NDF:24674.3/29

All: 181.320+/-0.663 χ^2/NDF: 42742.0/55



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 43.339+/-1.345 χ^2/NDF:306.1/10

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 54.115+/-1.448 χ^2/NDF:95.1/9

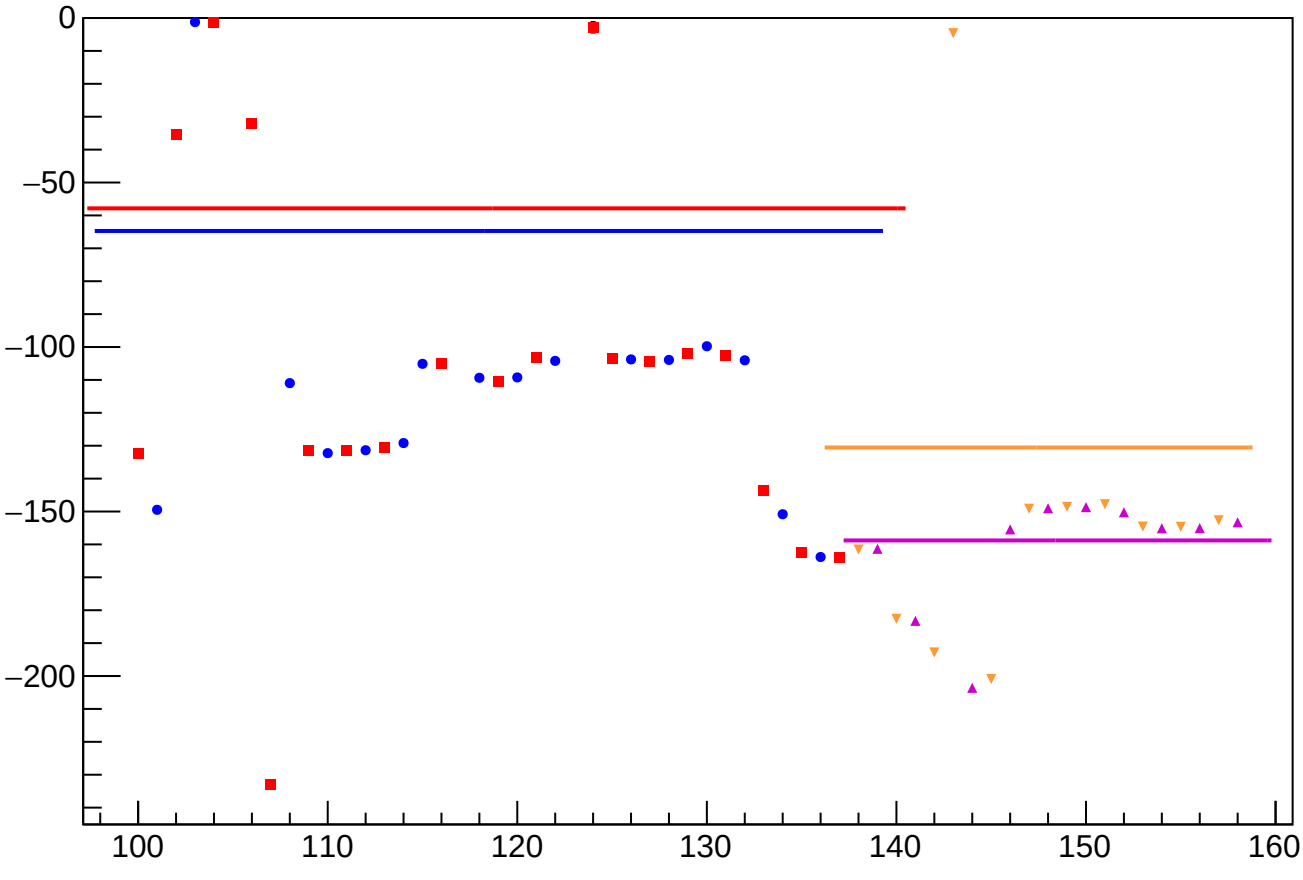
Left: 48.332+/-0.985 χ^2/NDF: 431.0/20

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 40.633+/-0.948 χ^2/NDF:523.9/25

Out: 33.723+/-0.901 χ^2/NDF:586.6/29

All: 37.002+/-0.653 χ^2/NDF: 1138.4/55



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -130.540+/-0.066 χ^2/NDF:933028.0/10

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -158.789+/-0.068 χ^2/NDF:46267.5/9

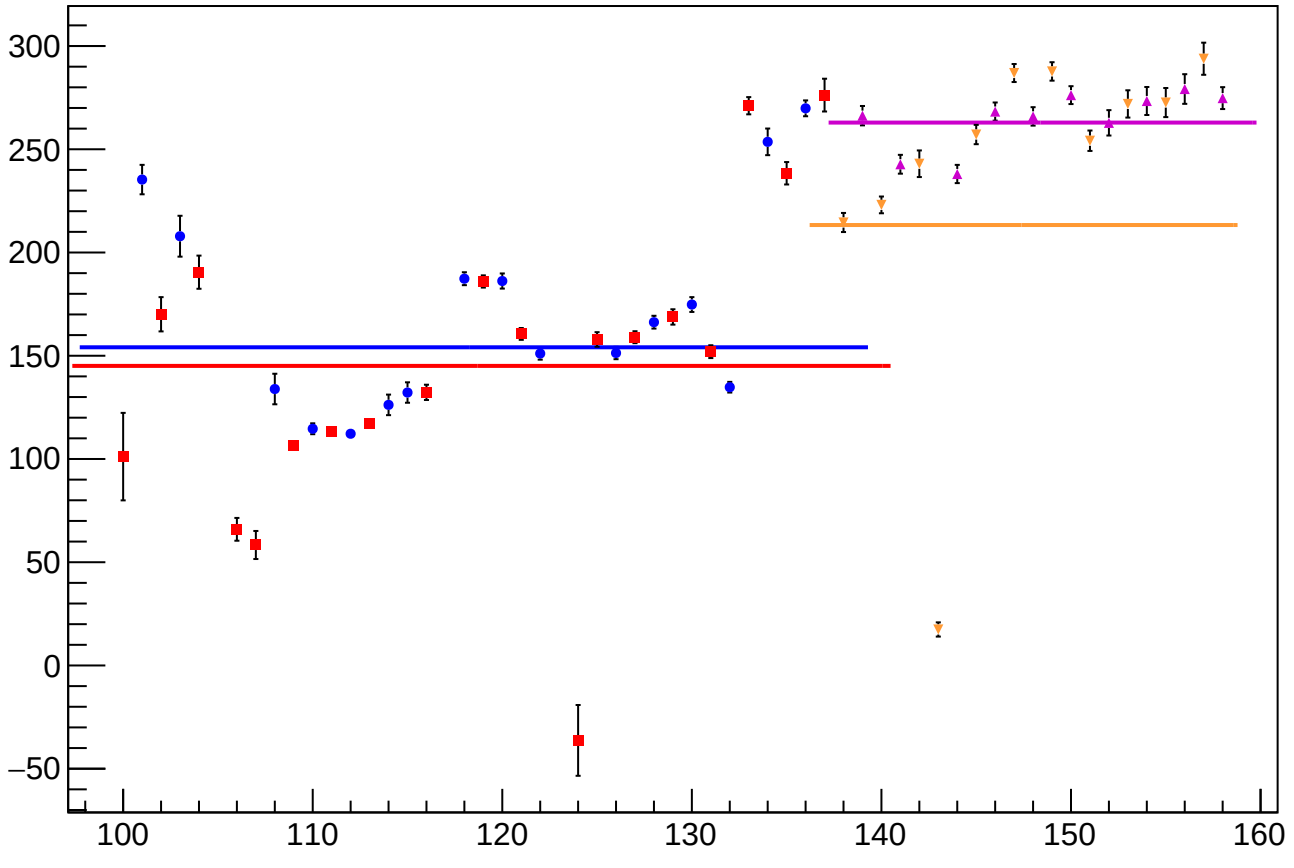
Left: -144.252+/-0.047 χ^2/NDF: 1067691.8/20

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -108.649+/-0.047 χ^2/NDF:2105961.7/25

Out: -91.908+/-0.045 χ^2/NDF:2449633.7/29

All: -100.048+/-0.032 χ^2/NDF: 4621972.1/55



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 213.309+/-1.467 χ^2/NDF:4235.1/10

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 262.922+/-1.575 χ^2/NDF:75.8/9

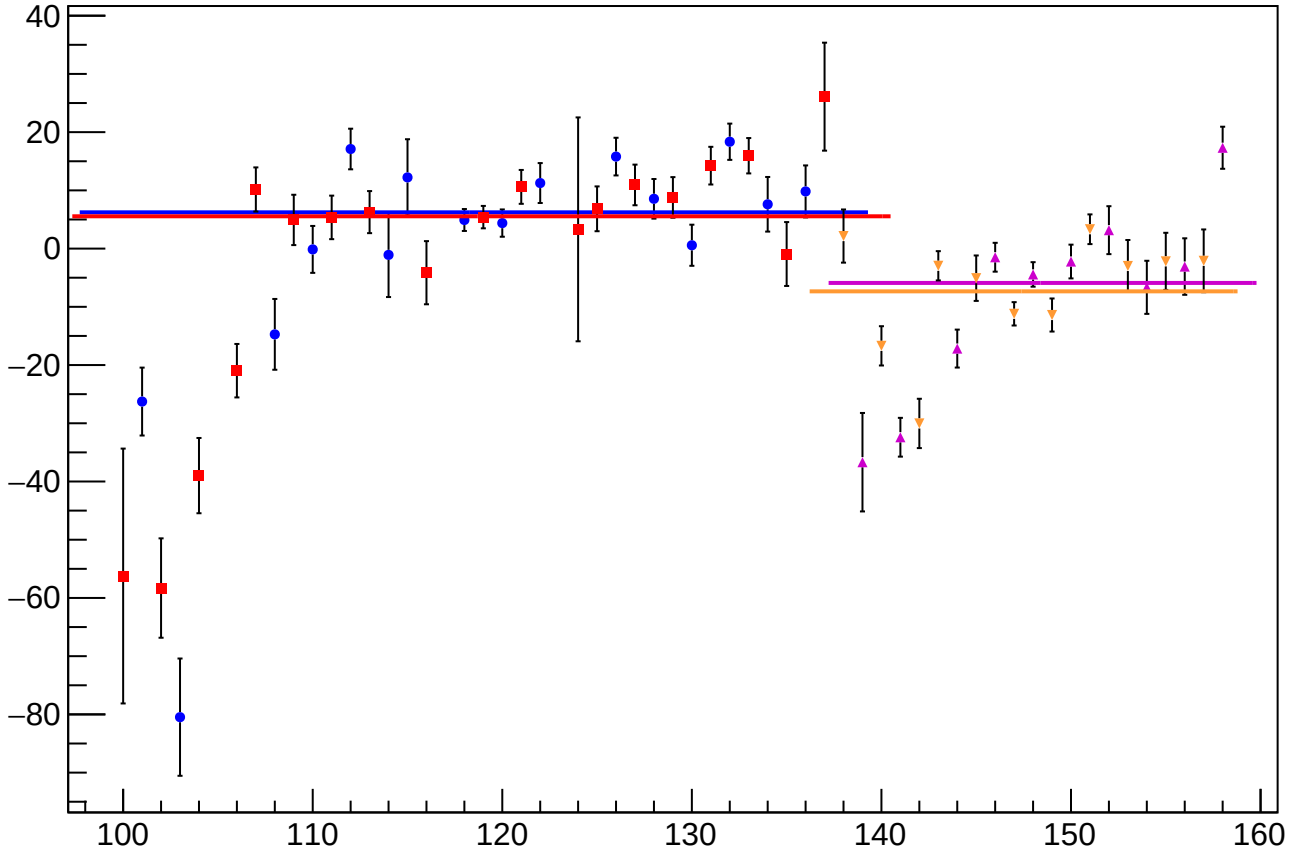
Left: 236.356+/-1.073 χ^2/NDF: 4842.3/20

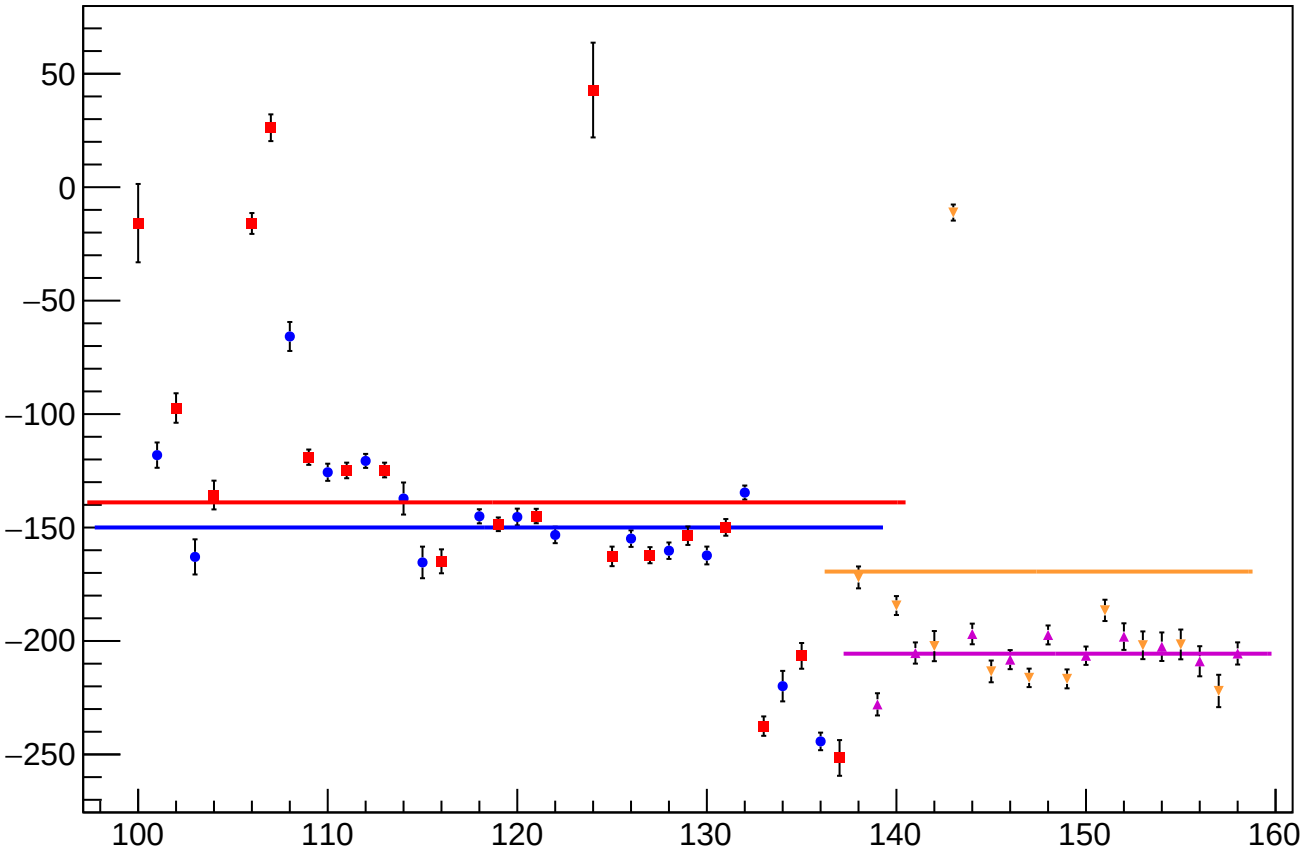
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 179.502+/-0.761 χ^2/NDF:6017.2/25

Out: 161.509+/-0.720 χ^2/NDF:8835.9/29

All: 170.005+/-0.523 χ^2/NDF: 15148.2/55


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -7.342+/-0.967 χ²/NDF:70.3/10
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -5.896+/-1.036 χ²/NDF:140.3/9
Left: -6.669+/-0.707 χ²/NDF: 211.7/20
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 1.078+/-0.675 χ²/NDF:381.2/25
Out: -0.356+/-0.655 χ²/NDF:347.7/29
All: 0.339+/-0.470 χ²/NDF: 731.2/55



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -169.408+/-1.445 χ^2/NDF:2496.8/10

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -205.602+/-1.526 χ^2/NDF:30.9/9

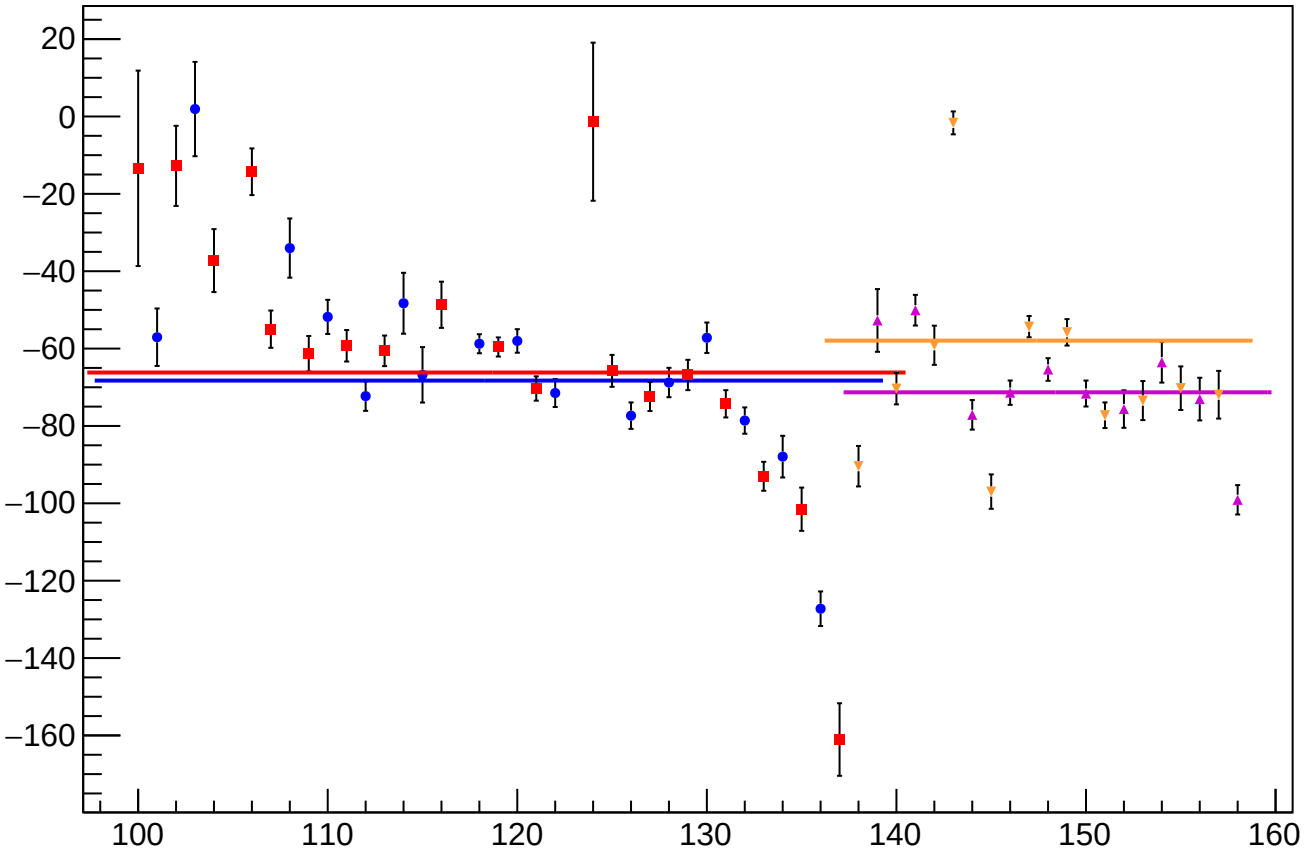
Left: -186.522+/-1.049 χ^2/NDF: 2824.4/20

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -167.288+/-0.851 χ^2/NDF:2046.3/25

Out: -148.702+/-0.819 χ^2/NDF:5550.2/29

All: -157.633+/-0.590 χ^2/NDF: 7844.1/55



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -57.946+/-1.189 χ^2/NDF:541.3/10

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -71.303+/-1.255 χ^2/NDF:96.9/9

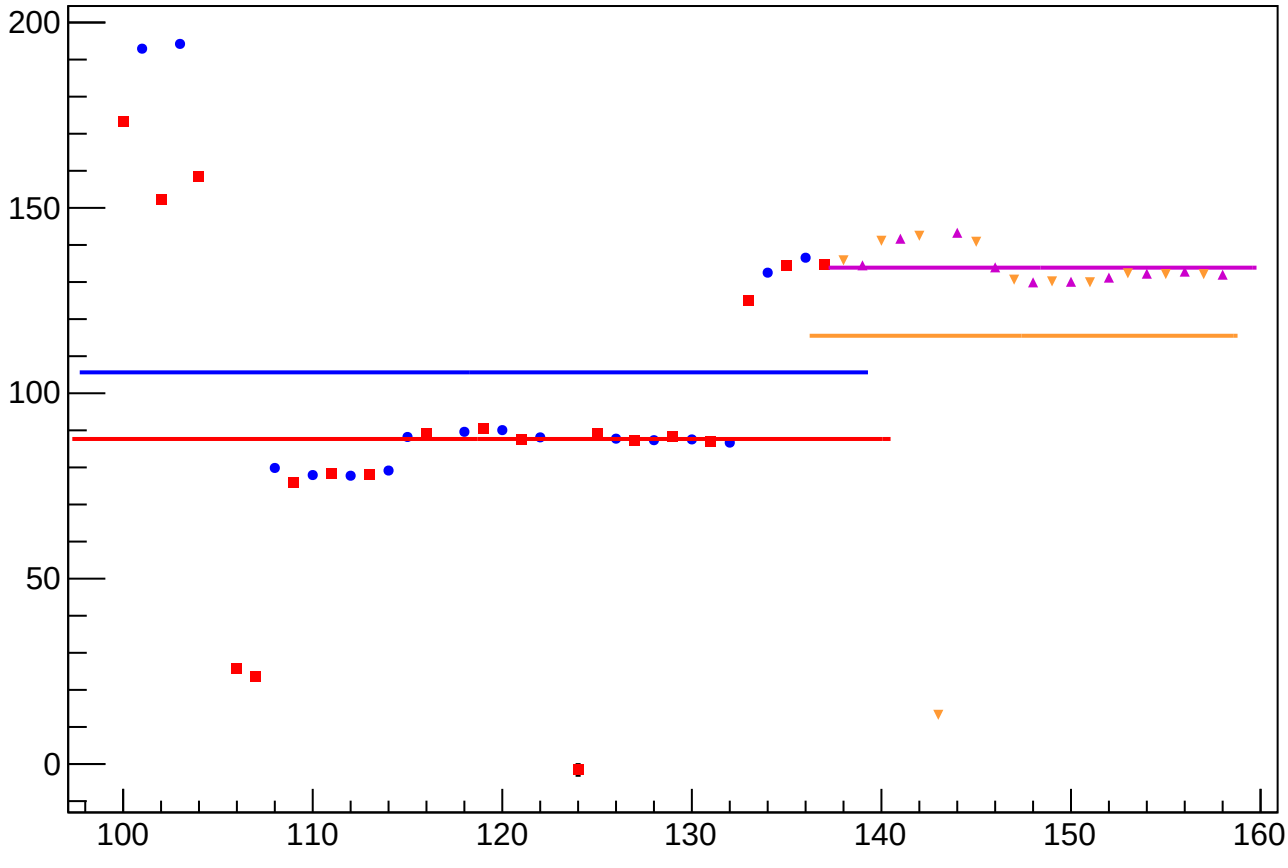
Left: -64.264+/-0.863 χ^2/NDF: 697.9/20

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -69.496+/-0.798 χ^2/NDF:415.8/25

Out: -62.678+/-0.776 χ^2/NDF:927.2/29

All: -65.993+/-0.556 χ^2/NDF: 1380.5/55



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 115.510+/-0.058 χ^2/NDF:577919.1/10

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 133.877+/-0.059 χ^2/NDF:5272.4/9

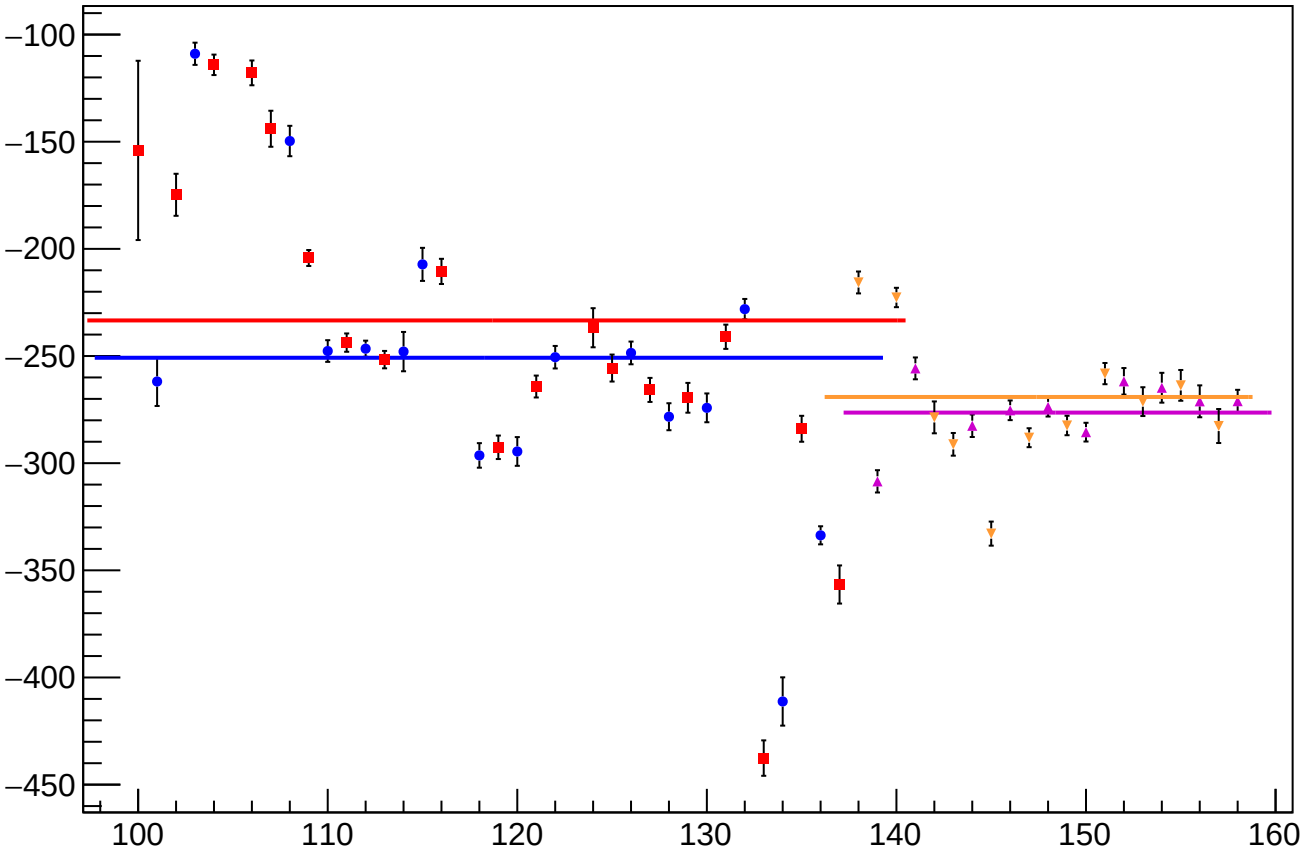
Left: 124.566+/-0.041 χ^2/NDF: 632459.6/20

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 122.330+/-0.045 χ^2/NDF:338818.9/25

Out: 103.279+/-0.044 χ^2/NDF:1053244.4/29

All: 112.420+/-0.031 χ^2/NDF: 1484080.5/55



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -269.109+/-1.642 χ^2/NDF:398.4/10

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -276.405+/-1.663 χ^2/NDF:70.4/9

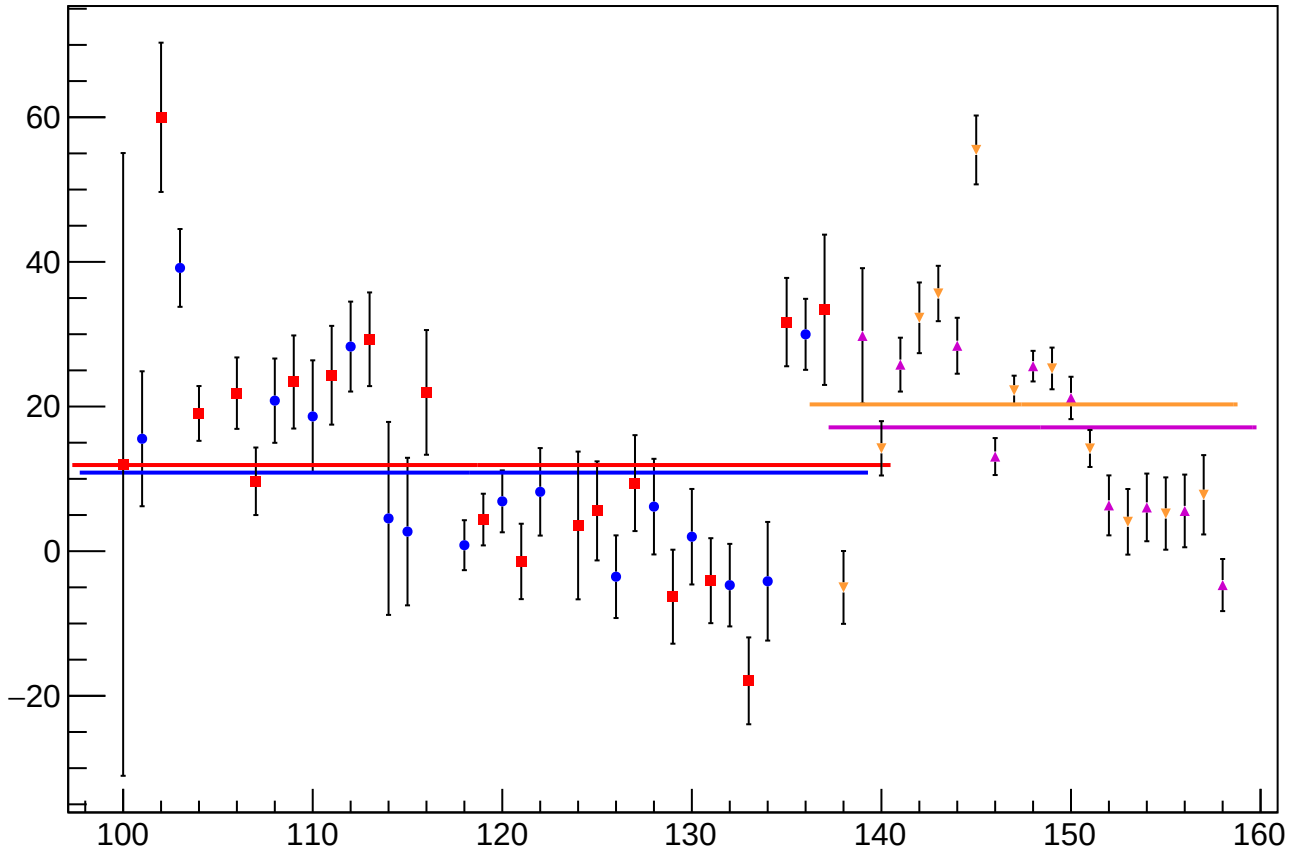
Left: -272.712+/-1.168 χ^2/NDF: 478.5/20

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -261.765+/-1.088 χ^2/NDF:1941.6/25

Out: -247.584+/-1.035 χ^2/NDF:3061.9/29

All: -254.323+/-0.750 χ^2/NDF: 5092.7/55



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 20.295+/-1.053 χ^2/NDF:141.2/10

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 17.121+/-1.076 χ^2/NDF:90.5/9

Left: 18.743+/-0.752 χ^2/NDF: 236.2/20

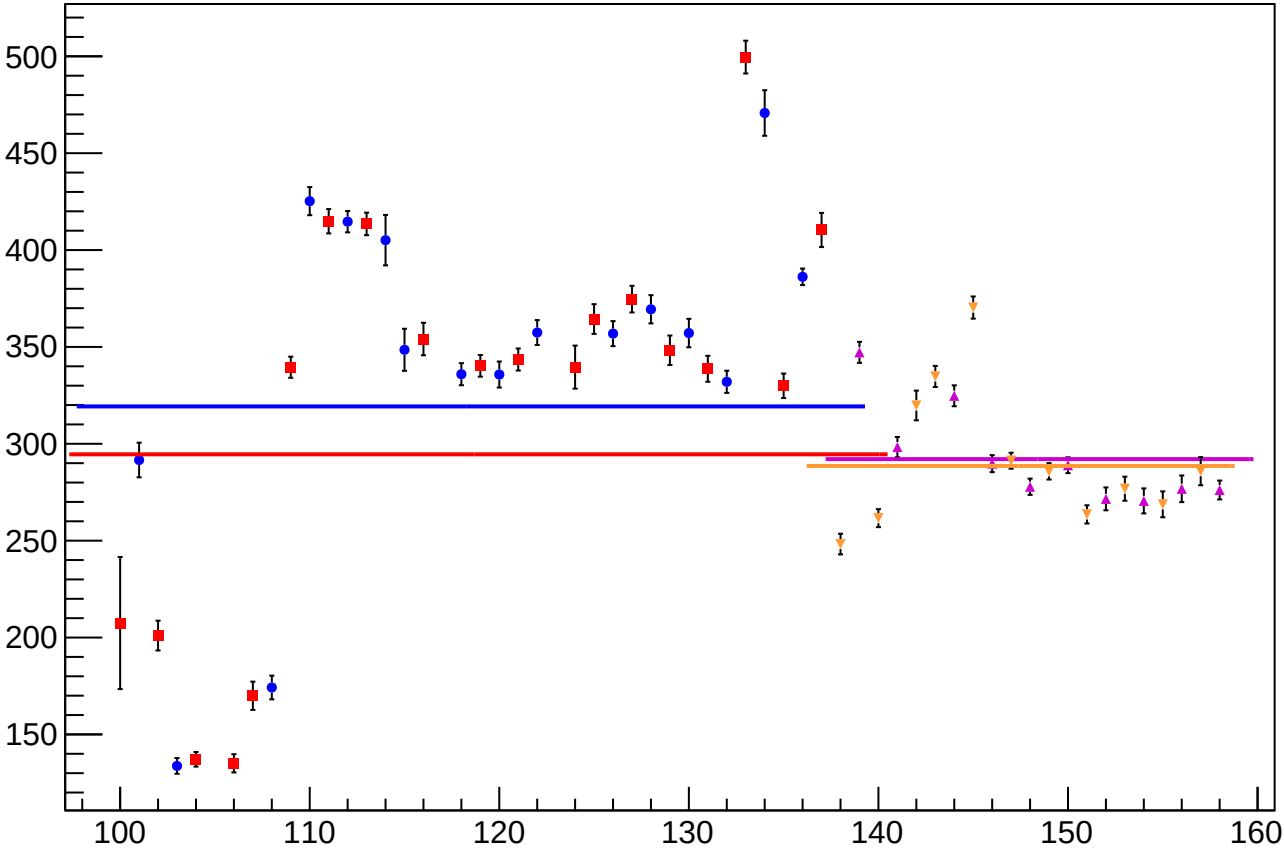
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 14.940+/-0.868 χ^2/NDF:186.9/25

Out: 17.176+/-0.834 χ^2/NDF:276.7/29

All: 16.103+/-0.602 χ^2/NDF: 467.1/55

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 288.561+/-1.602 χ^2/NDF:424.8/10

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 292.092+/-1.603 χ^2/NDF:192.5/9

Left: 290.326+/-1.133 χ^2/NDF: 619.7/20

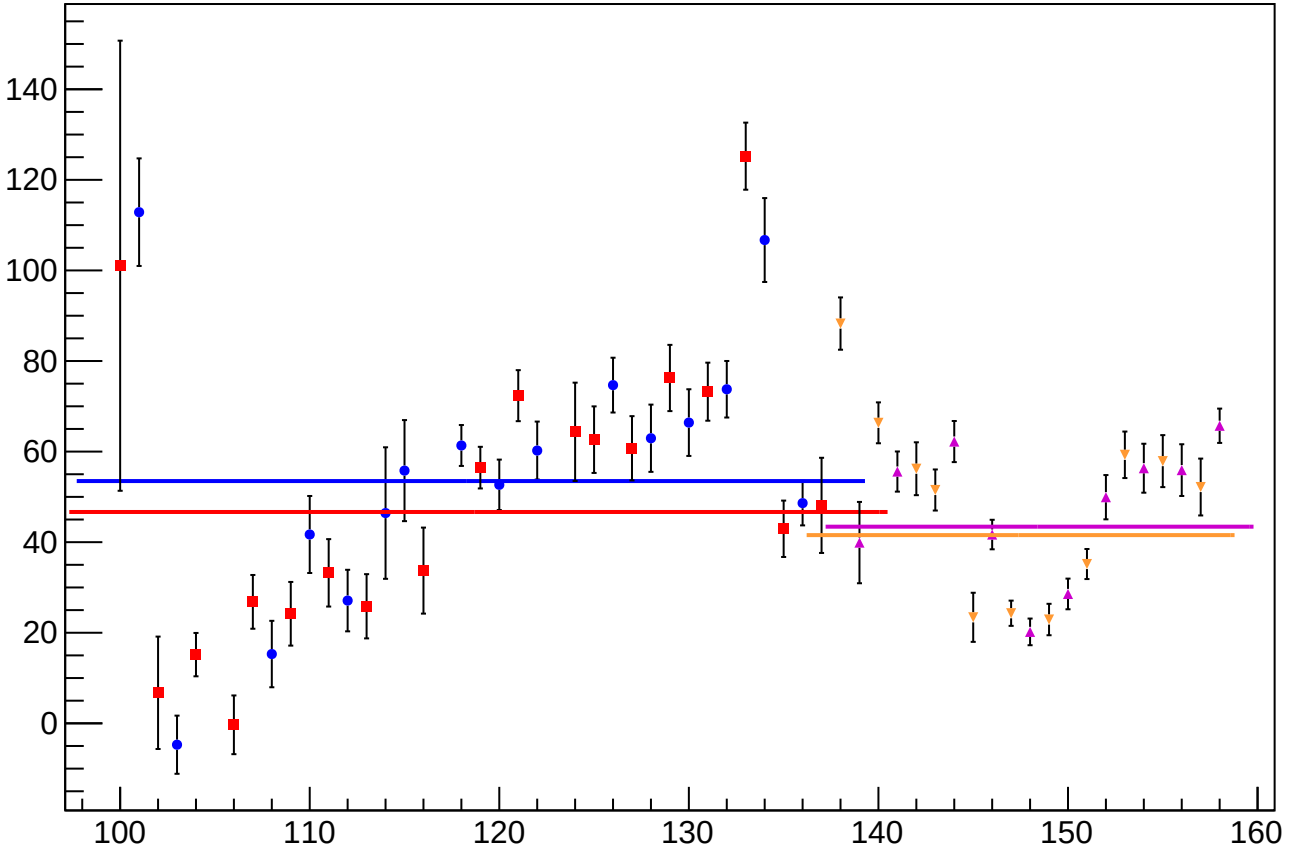
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 305.834+/-1.127 χ^2/NDF:4130.9/25

Out: 291.798+/-1.088 χ^2/NDF:5935.6/29

All: 298.565+/-0.783 χ^2/NDF: 10146.8/55

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: 41.558+/-1.305 χ^2/NDF:211.7/10

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 43.420+/-1.307 χ^2/NDF:153.5/9

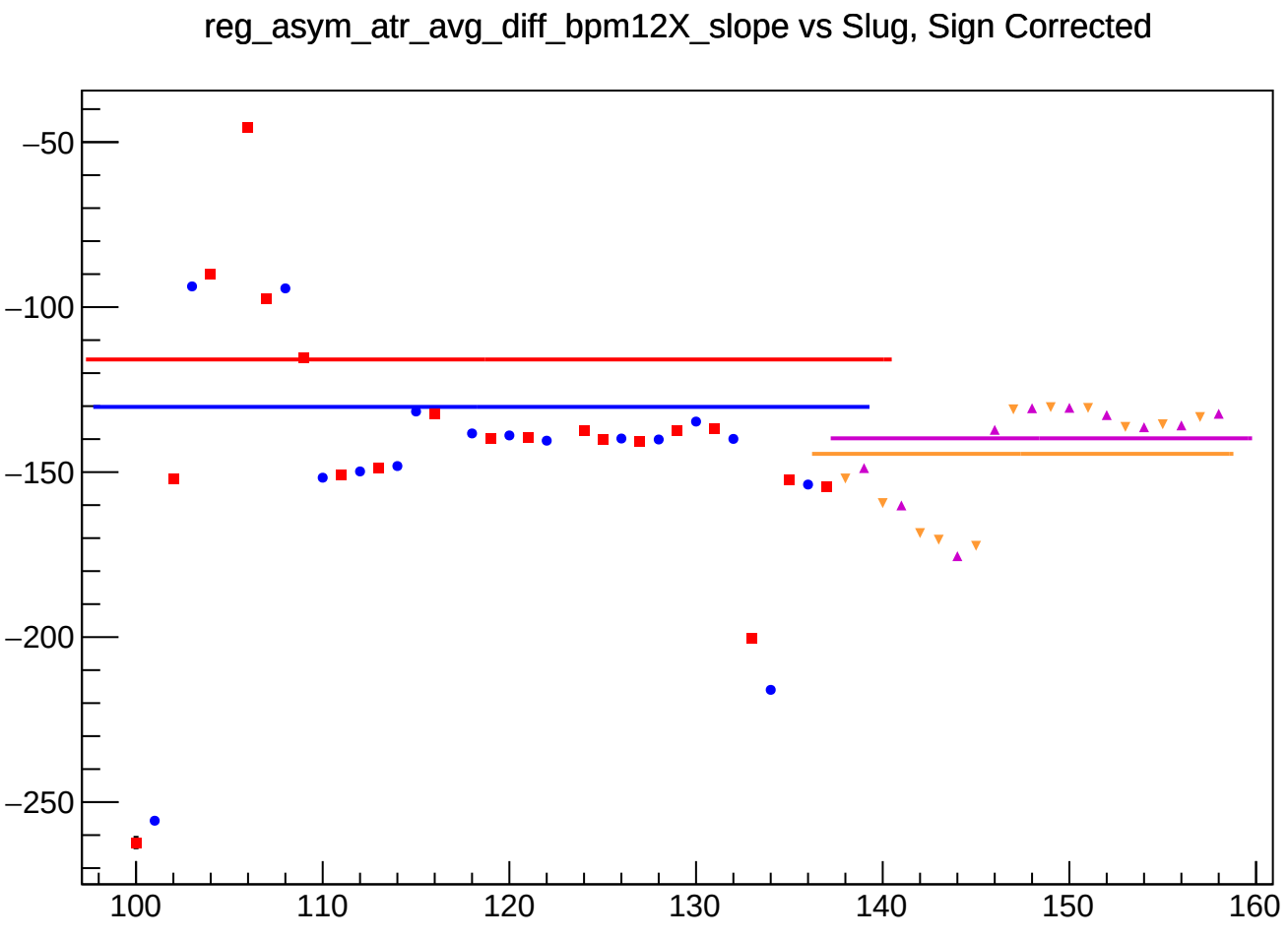
Left: 42.487+/-0.924 χ^2/NDF: 366.2/20

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 47.167+/-1.036 χ^2/NDF:392.8/25

Out: 43.608+/-1.009 χ^2/NDF:543.5/29

All: 45.341+/-0.723 χ^2/NDF: 942.4/55



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -144.465+/-0.064 χ^2/NDF:62960.5/10

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -139.759+/-0.062 χ^2/NDF:42670.5/9

Left: -142.019+/-0.044 χ^2/NDF: 108431.1/20

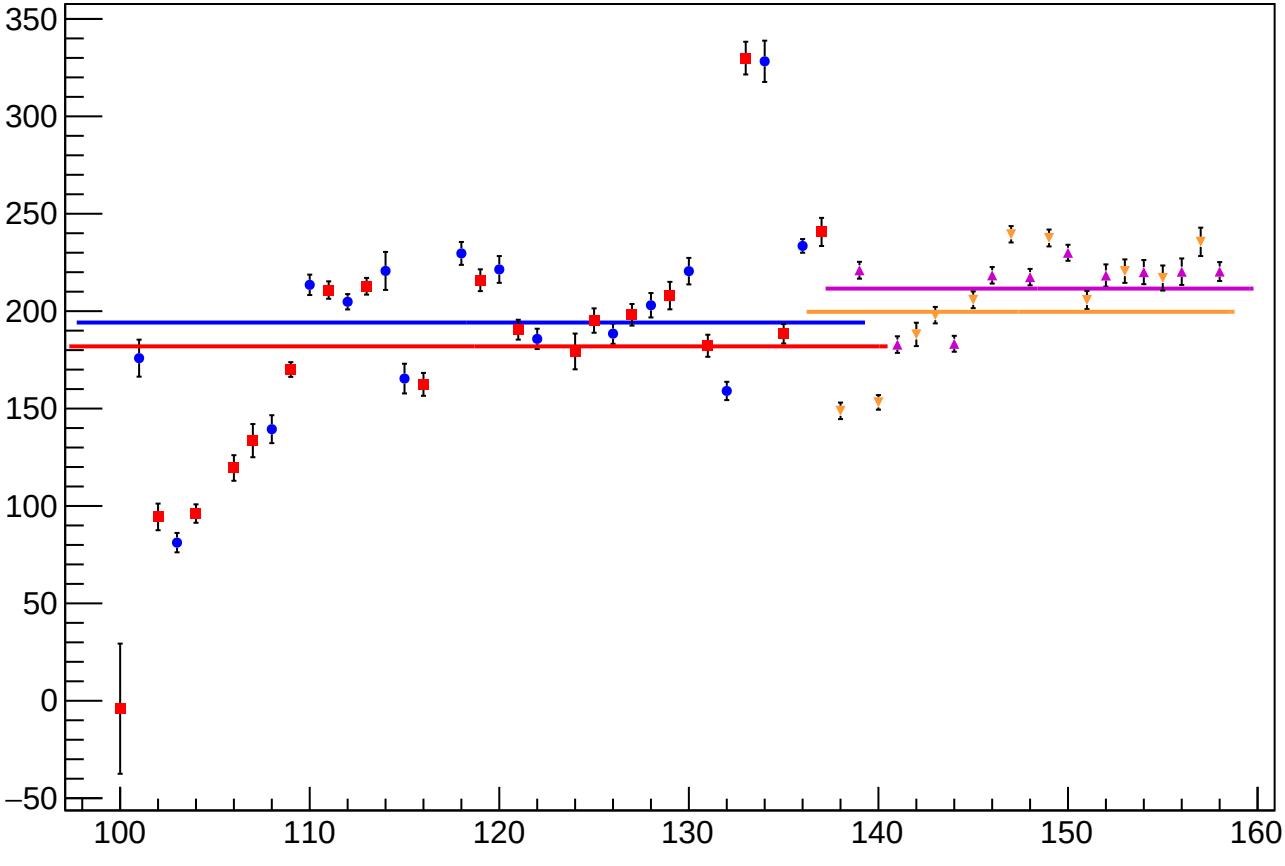
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.767+/-0.051 χ^2/NDF:224375.6/25

Out: -134.204+/-0.051 χ^2/NDF:340241.9/29

All: -135.493+/-0.036 χ^2/NDF: 565870.8/55

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 199.669+/-1.426 χ^2/NDF:514.9/10

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 211.591+/-1.474 χ^2/NDF:131.0/9

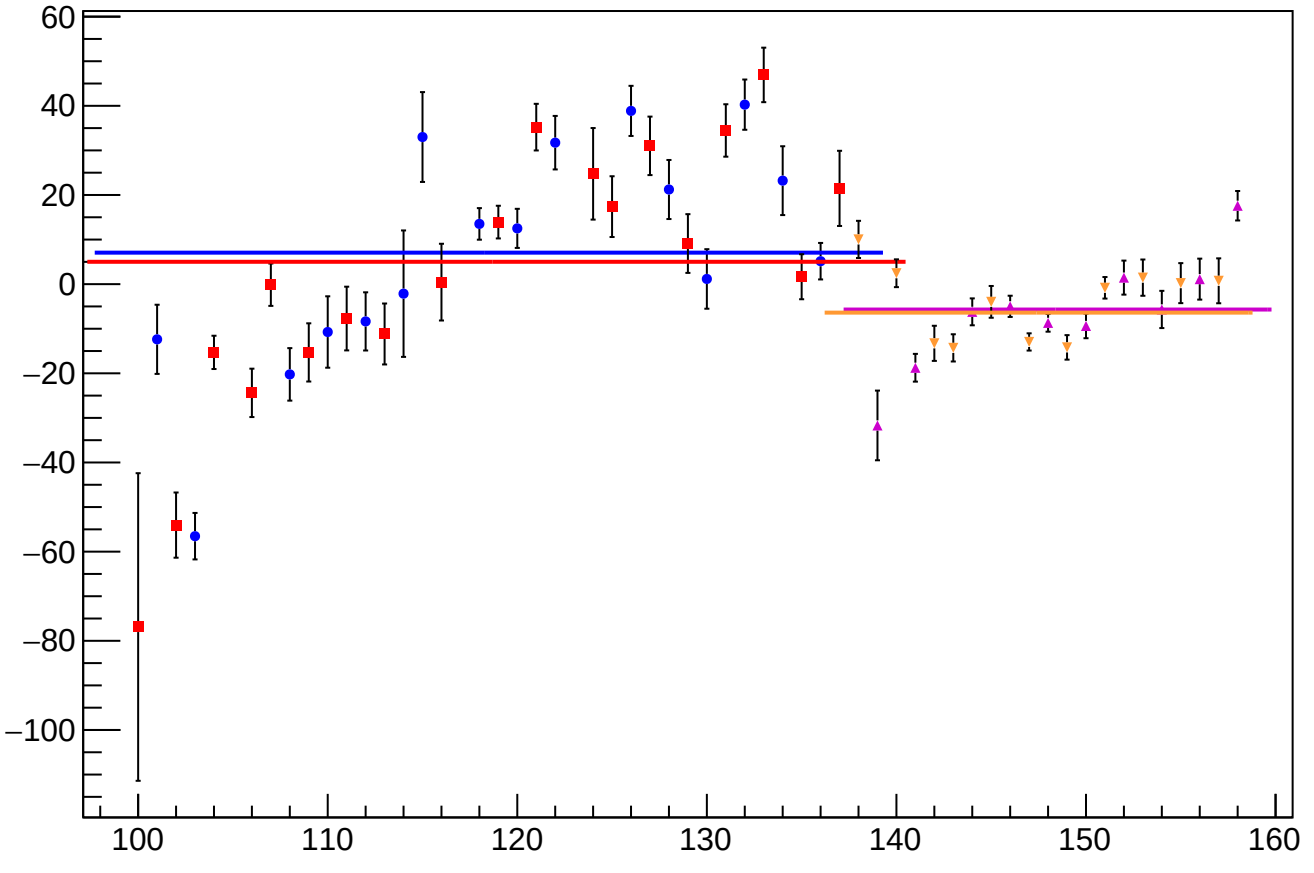
Left: 205.435+/-1.025 χ^2/NDF: 679.7/20

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 202.471+/-1.018 χ^2/NDF:1239.4/25

Out: 190.124+/-0.970 χ^2/NDF:1802.9/29

All: 195.999+/-0.702 χ^2/NDF: 3119.5/55



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -6.388+/-0.940 χ^2/NDF:66.6/10

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -5.696+/-0.973 χ^2/NDF:88.2/9

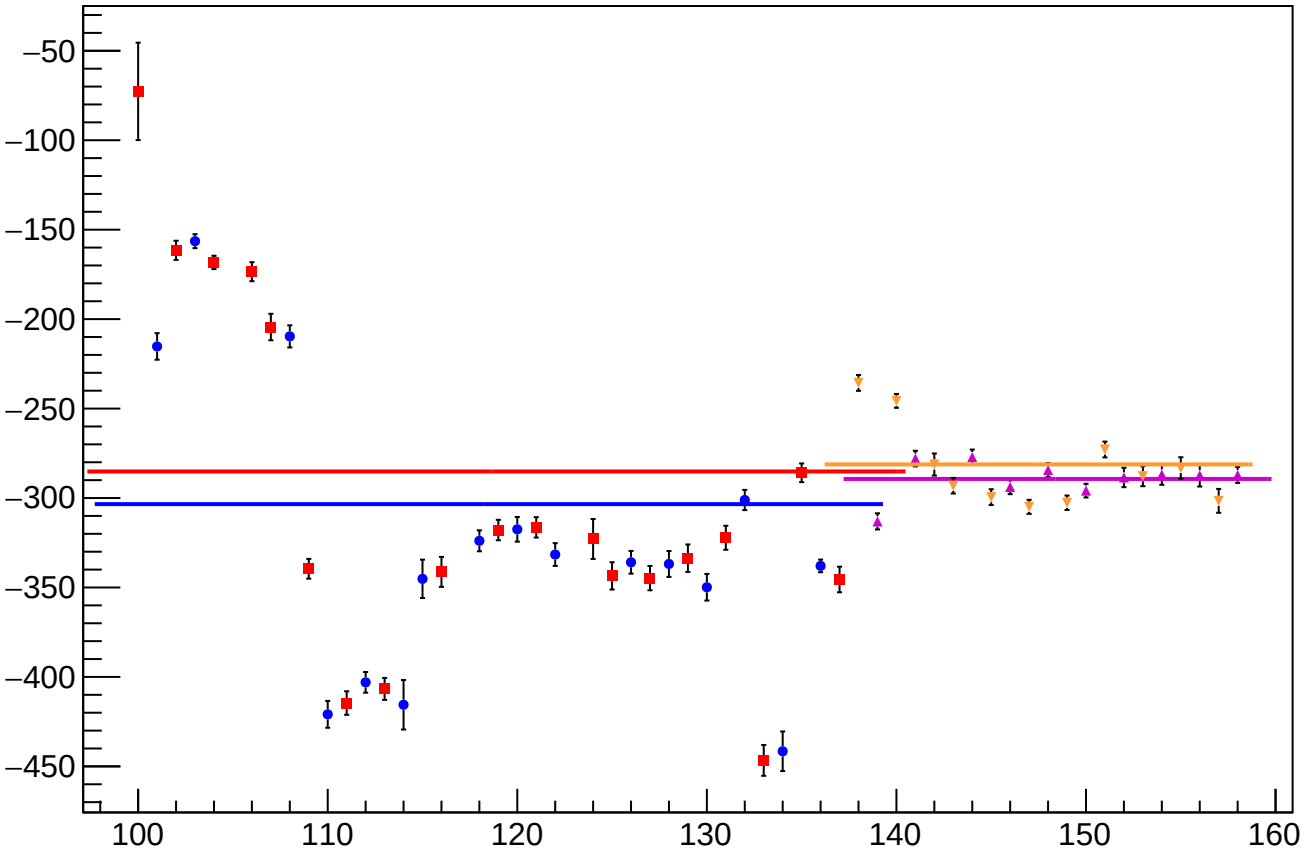
Left: -6.054+/-0.676 χ^2/NDF: 155.0/20

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -1.708+/-0.806 χ^2/NDF:434.5/25

Out: -2.682+/-0.772 χ^2/NDF:402.9/29

All: -2.216+/-0.558 χ^2/NDF: 838.2/55



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -281.219+/-1.402 χ^2/NDF:294.7/10

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -289.326+/-1.428 χ^2/NDF:49.1/9

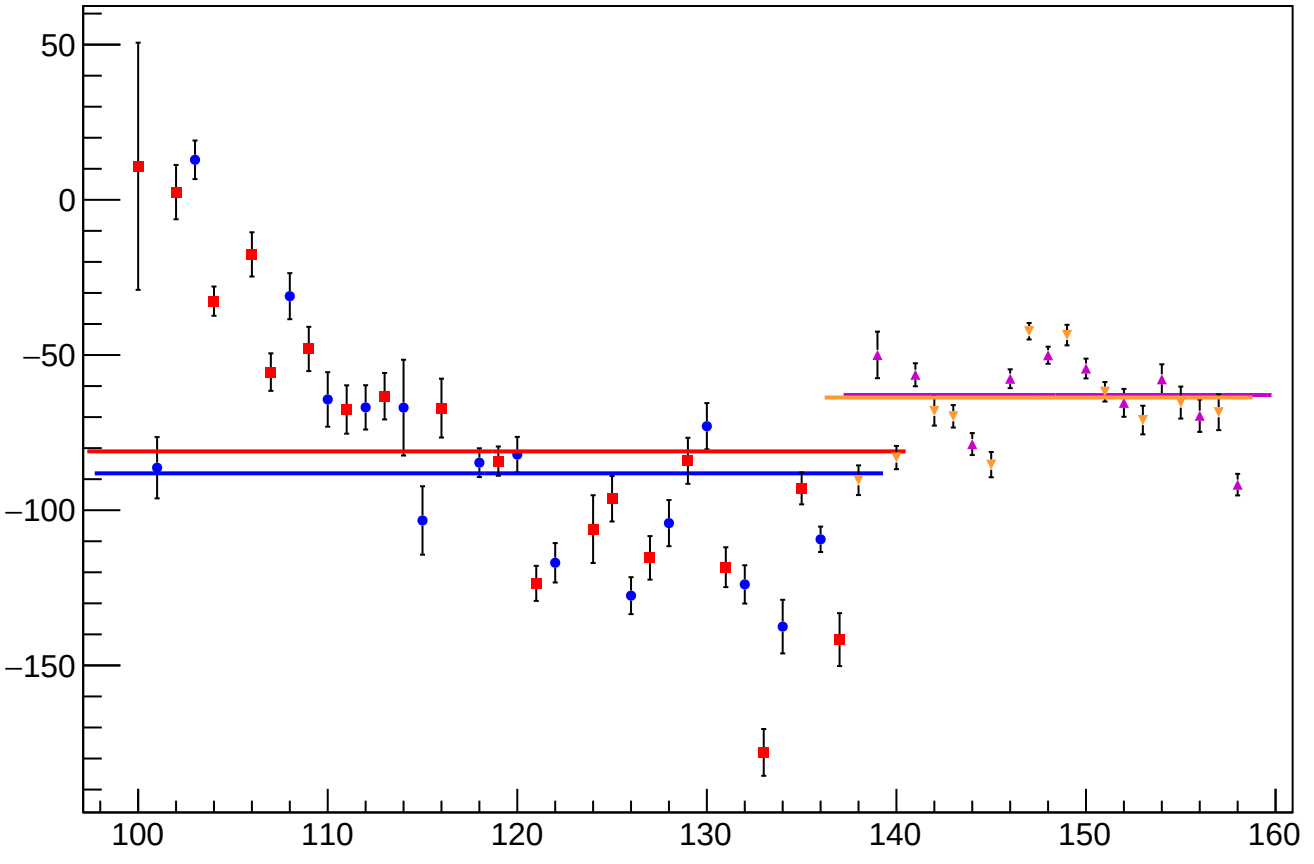
Left: -285.197+/-1.001 χ^2/NDF: 360.1/20

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -295.883+/-1.044 χ^2/NDF:2879.8/25

Out: -283.116+/-1.008 χ^2/NDF:4053.3/29

All: -289.277+/-0.725 χ^2/NDF: 7010.5/55



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -63.689+/-1.157 χ^2/NDF:195.1/10

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -62.890+/-1.177 χ^2/NDF:129.9/9

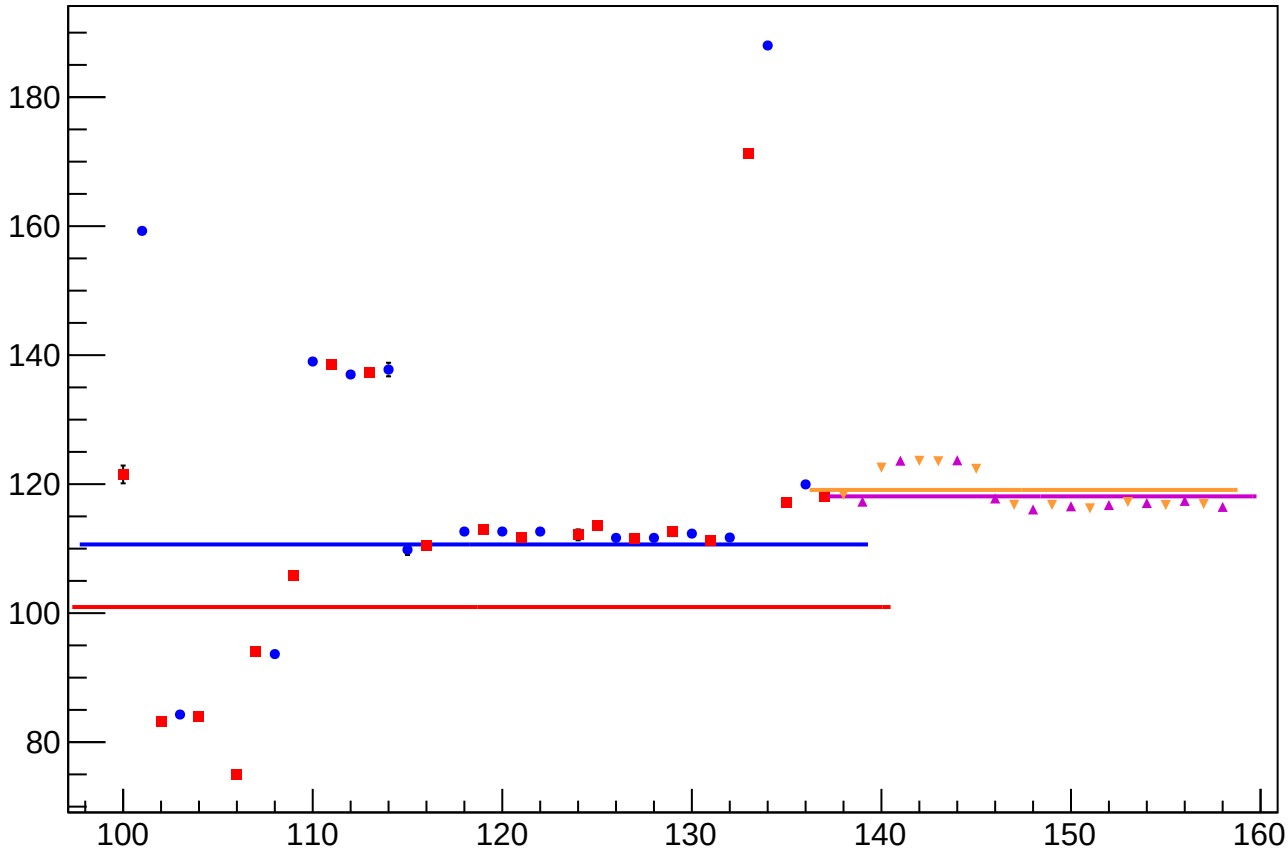
Left: -63.296+/-0.825 χ^2/NDF: 325.2/20

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -71.368+/-0.959 χ^2/NDF:796.1/25

Out: -69.803+/-0.931 χ^2/NDF:951.9/29

All: -70.562+/-0.668 χ^2/NDF: 1749.4/55



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.107+/-0.056 χ^2/NDF:2651.1/10

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 118.104+/-0.055 χ^2/NDF:2327.8/9

Left: 118.596+/-0.039 χ^2/NDF: 5141.2/20

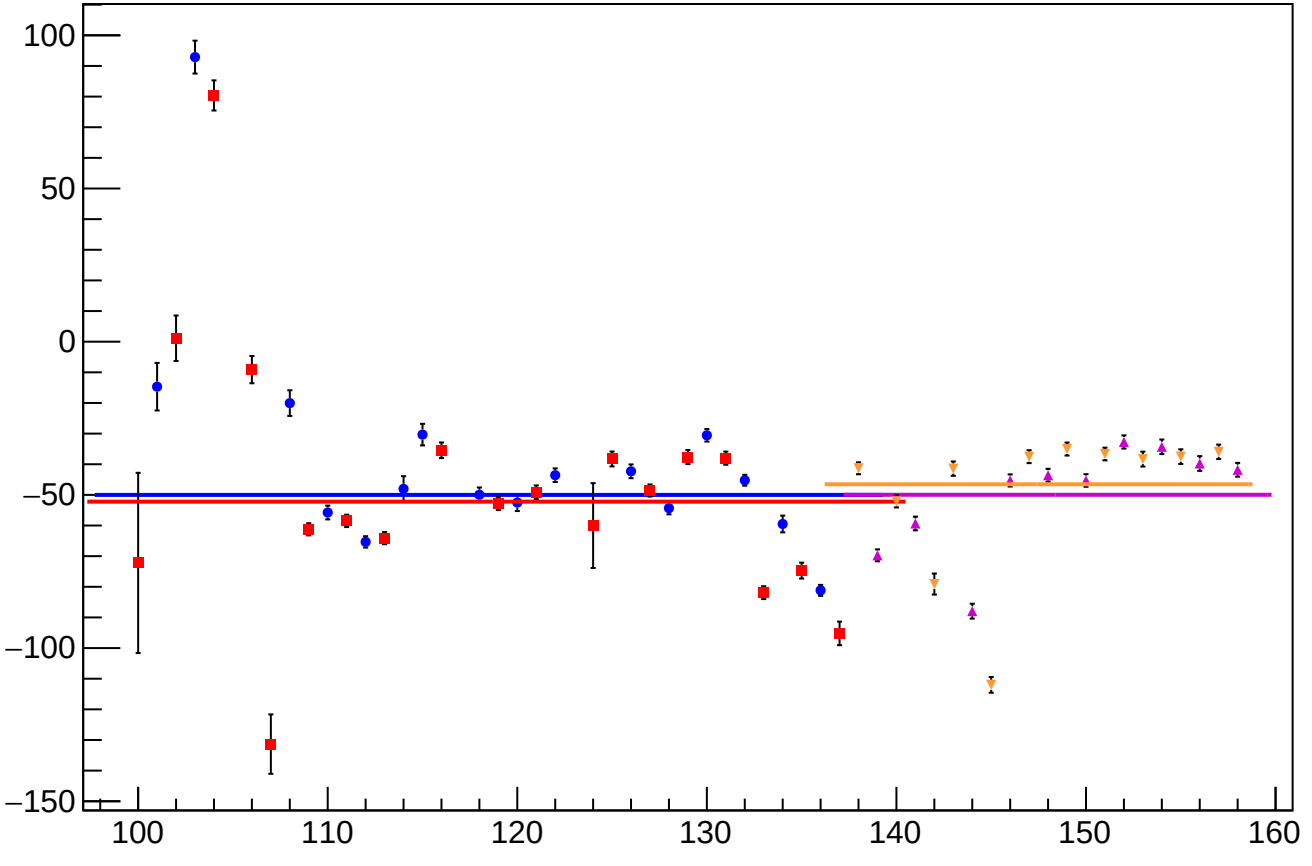
Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.931+/-0.046 χ^2/NDF:91192.7/25

Out: 113.207+/-0.046 χ^2/NDF:98602.4/29

All: 114.563+/-0.033 χ^2/NDF: 191528.6/55

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -46.542+/-0.684 χ^2/NDF:873.3/10

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -49.966+/-0.689 χ^2/NDF:522.9/9

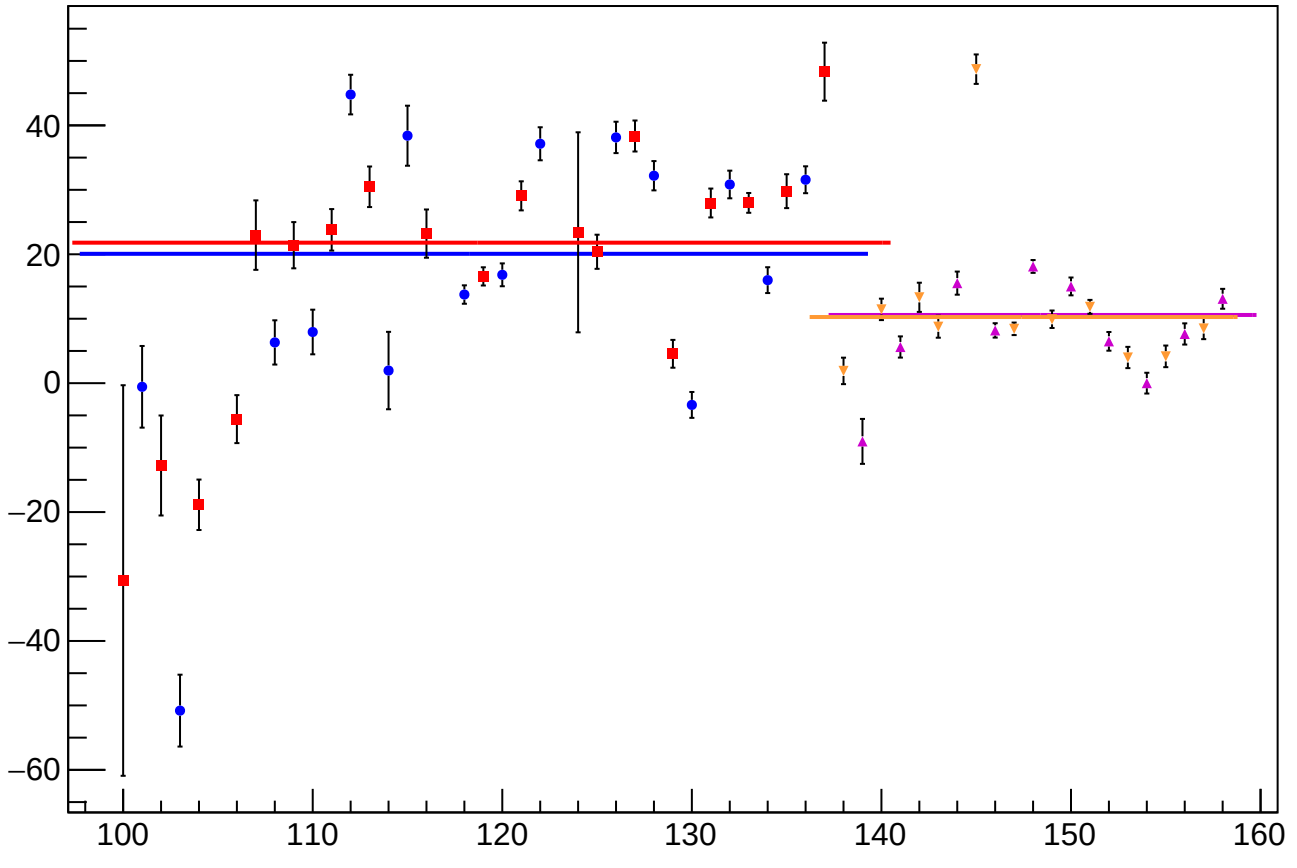
Left: -48.243+/-0.485 χ^2/NDF: 1408.6/20

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -49.989+/-0.457 χ^2/NDF:1850.3/25

Out: -49.722+/-0.453 χ^2/NDF:2482.0/29

All: -49.855+/-0.322 χ^2/NDF: 4332.5/55



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 10.264+/-0.452 χ^2/NDF:337.5/10

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 10.583+/-0.459 χ^2/NDF:177.1/9

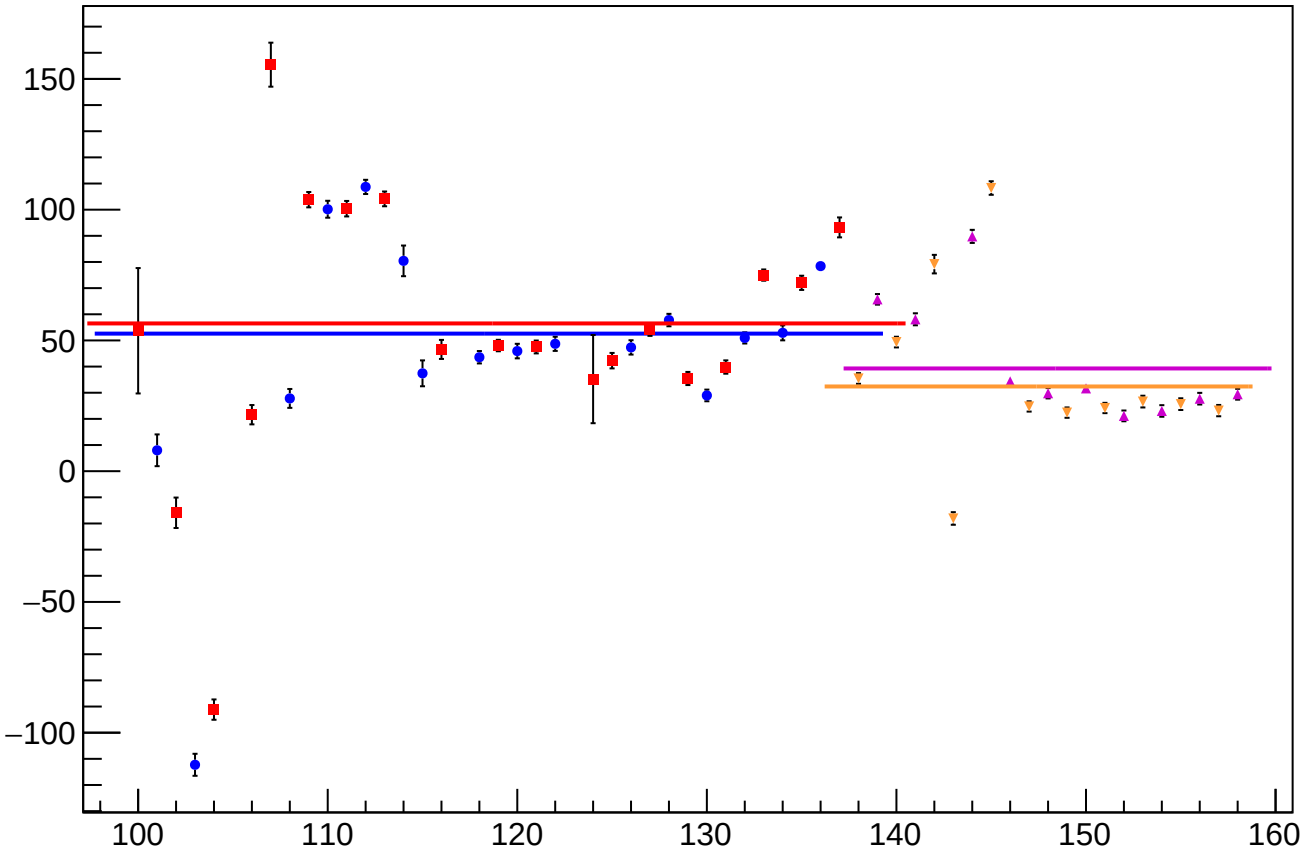
Left: 10.421+/-0.322 χ^2/NDF: 514.8/20

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 14.001+/-0.367 χ^2/NDF:967.1/25

Out: 14.256+/-0.366 χ^2/NDF:958.7/29

All: 14.129+/-0.259 χ^2/NDF: 1926.1/55



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 32.392+/-0.665 χ^2/NDF:1630.2/10

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 39.282+/-0.664 χ^2/NDF:871.0/9

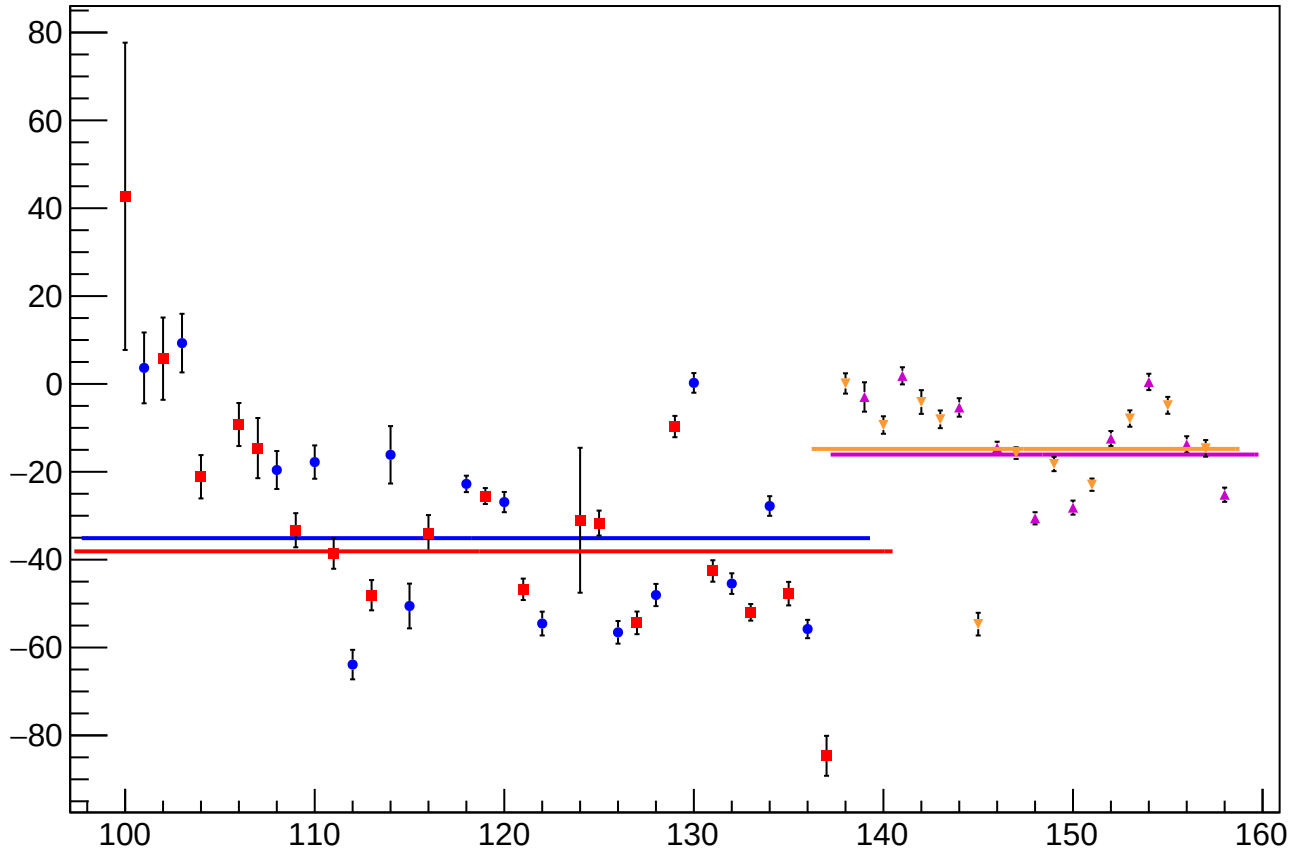
Left: 35.845+/-0.470 χ^2/NDF: 2555.0/20

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 45.624+/-0.480 χ^2/NDF:3722.2/25

Out: 43.739+/-0.484 χ^2/NDF:5213.9/29

All: 44.688+/-0.341 χ^2/NDF: 8943.8/55



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.785+/-0.554 χ^2/NDF:393.3/10

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -16.077+/-0.552 χ^2/NDF:410.4/9

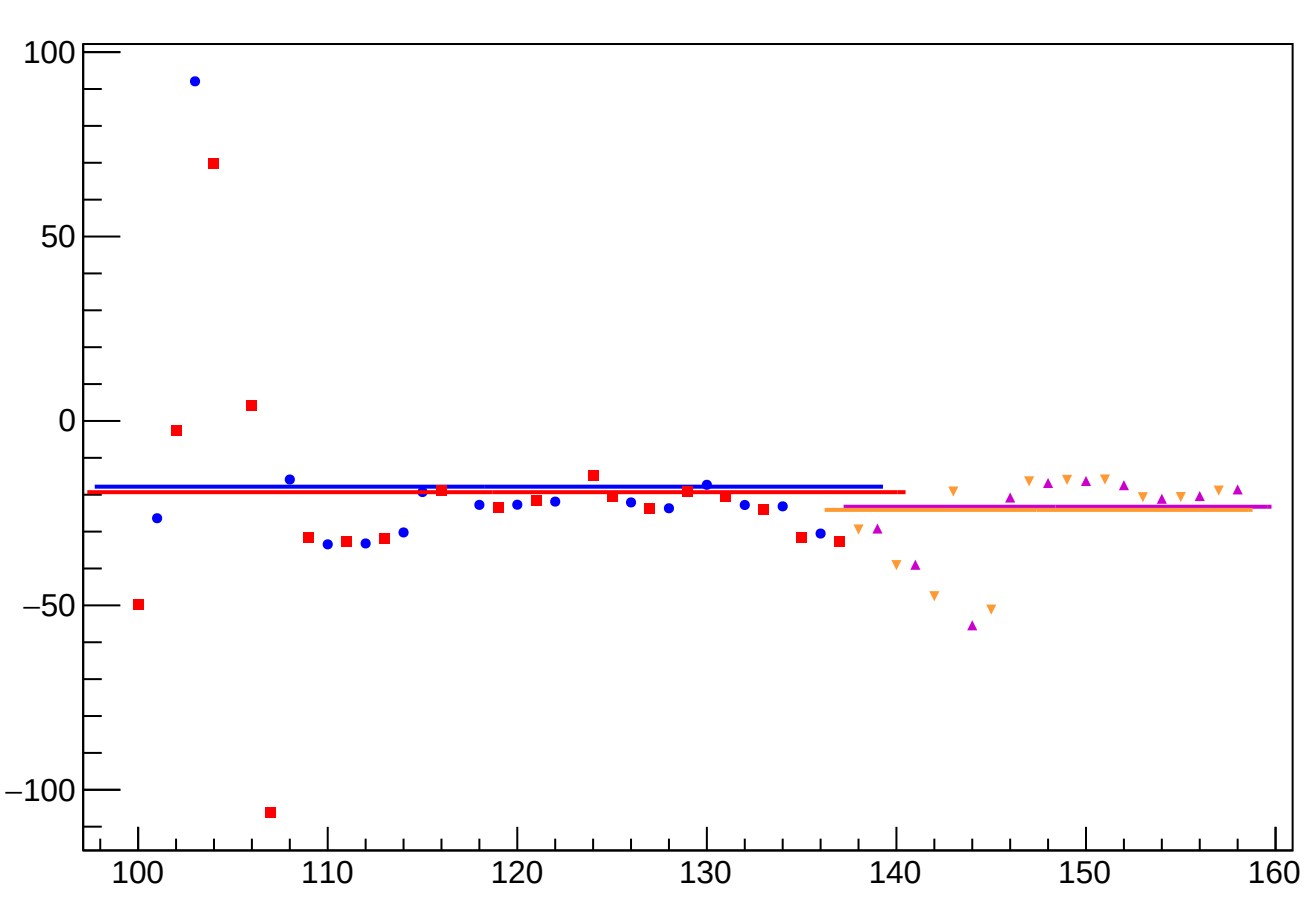
Left: -15.433+/-0.391 χ^2/NDF: 806.5/20

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -23.368+/-0.433 χ^2/NDF:1639.2/25

Out: -23.545+/-0.437 χ^2/NDF:1574.5/29

All: -23.456+/-0.308 χ^2/NDF: 3213.8/55



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -24.112+/-0.026 χ^2/NDF:168542.8/10

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -23.258+/-0.025 χ^2/NDF:145236.0/9

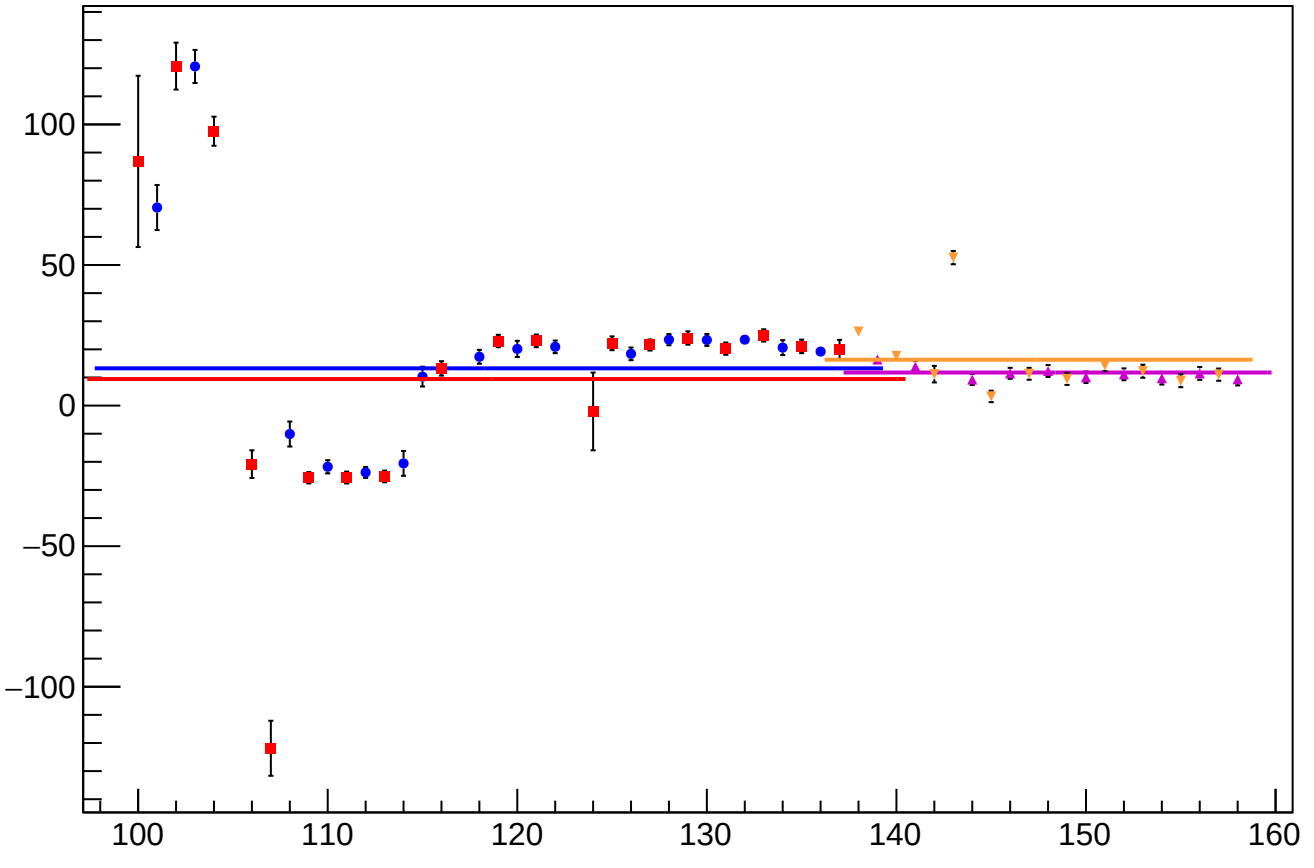
Left: -23.672+/-0.018 χ^2/NDF: 314346.2/20

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -21.900+/-0.022 χ^2/NDF:583227.6/25

Out: -22.971+/-0.022 χ^2/NDF:521443.3/29

All: -22.415+/-0.016 χ^2/NDF: 1105853.3/55



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.311+/-0.640 χ^2/NDF:349.3/10

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 11.763+/-0.647 χ^2/NDF:12.8/9

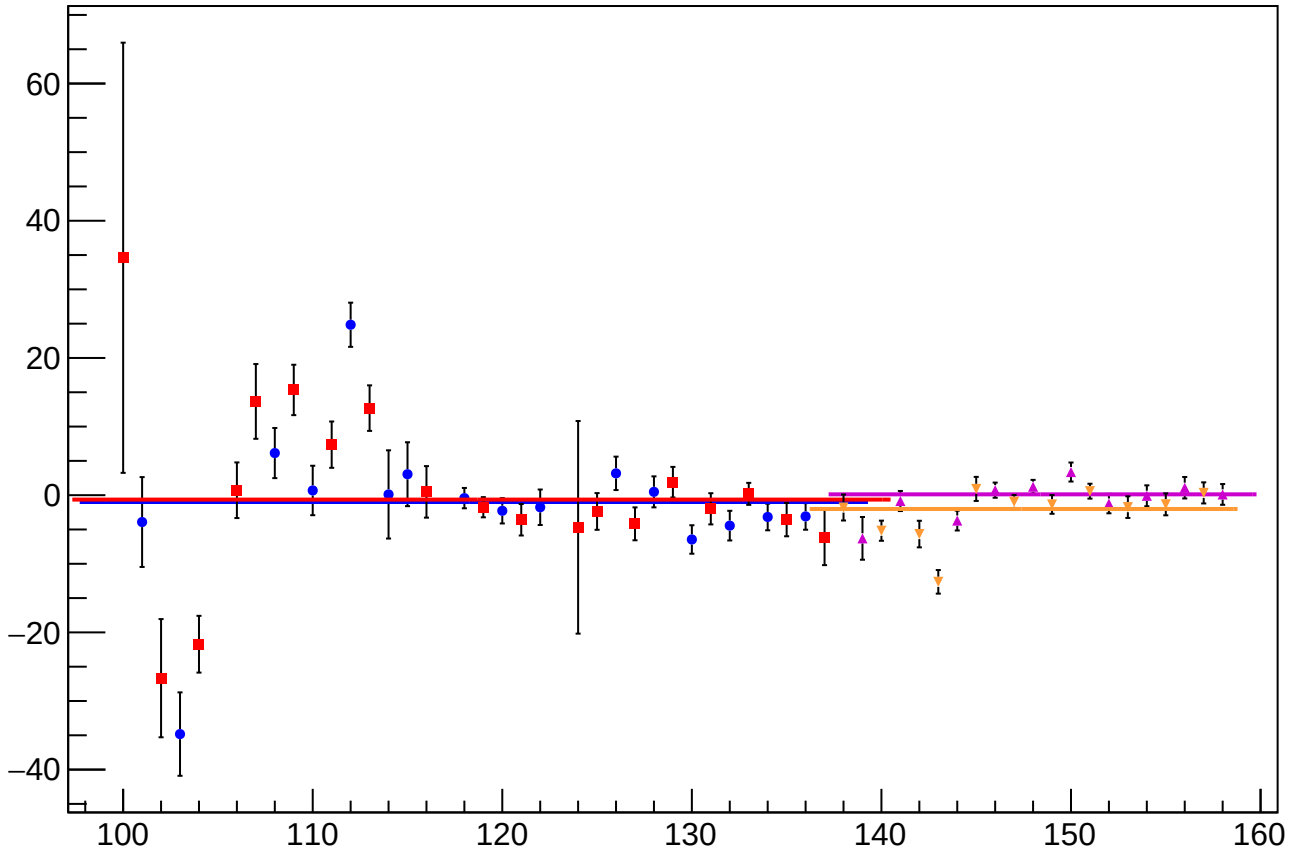
Left: 14.059+/-0.455 χ^2/NDF: 387.1/20

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.544+/-0.445 χ^2/NDF:1198.0/25

Out: 12.742+/-0.444 χ^2/NDF:2245.7/29

All: 12.644+/-0.314 χ^2/NDF: 3443.8/55



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.011+/-0.433 χ^2/NDF:58.9/10

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: 0.122+/-0.440 χ^2/NDF:20.0/9

Left: -0.961+/-0.309 χ^2/NDF: 90.8/20

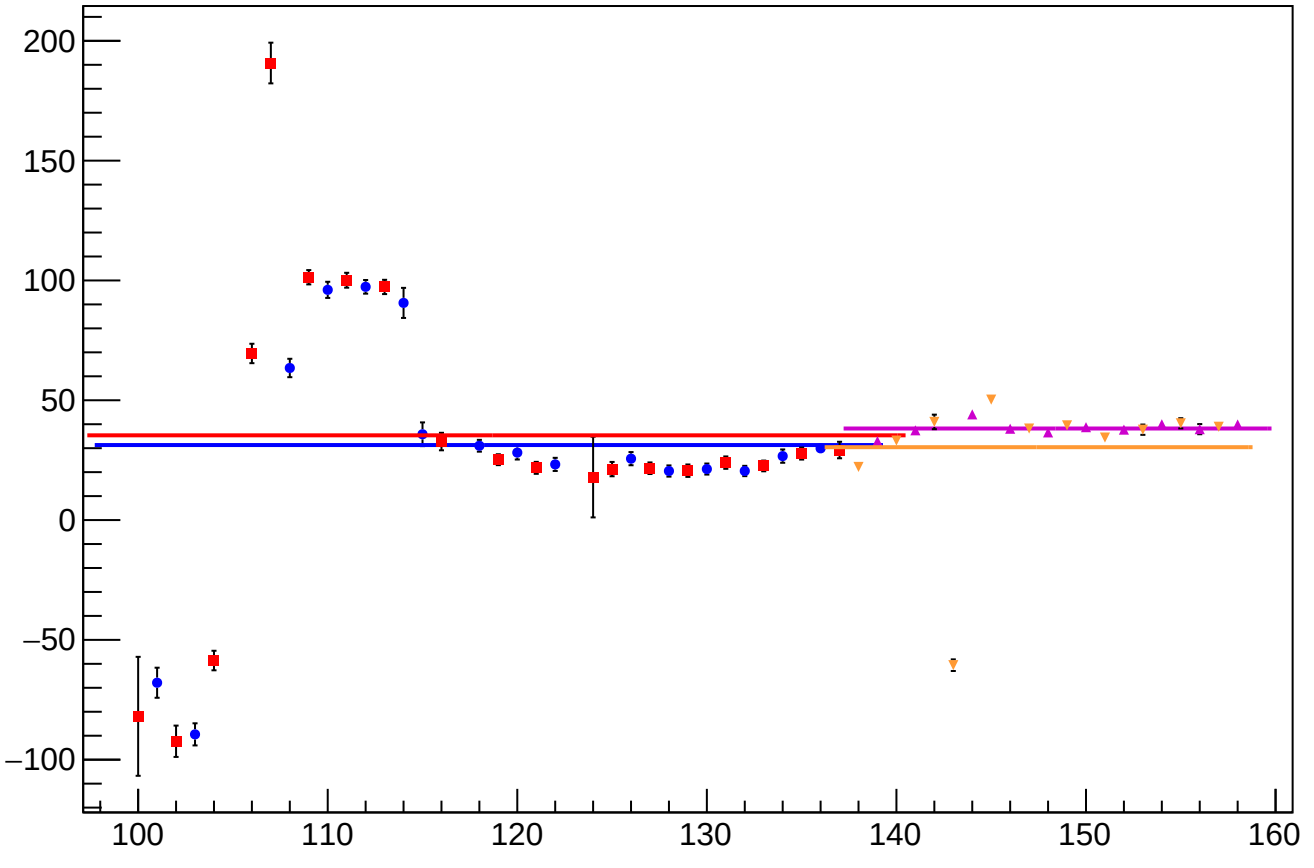
Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.252+/-0.359 χ^2/NDF:138.5/25

Out: -1.578+/-0.358 χ^2/NDF:156.2/29

All: -0.916+/-0.253 χ^2/NDF: 301.6/55

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.414+/-0.625 χ^2/NDF:1623.0/10

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 38.211+/-0.626 χ^2/NDF:19.5/9

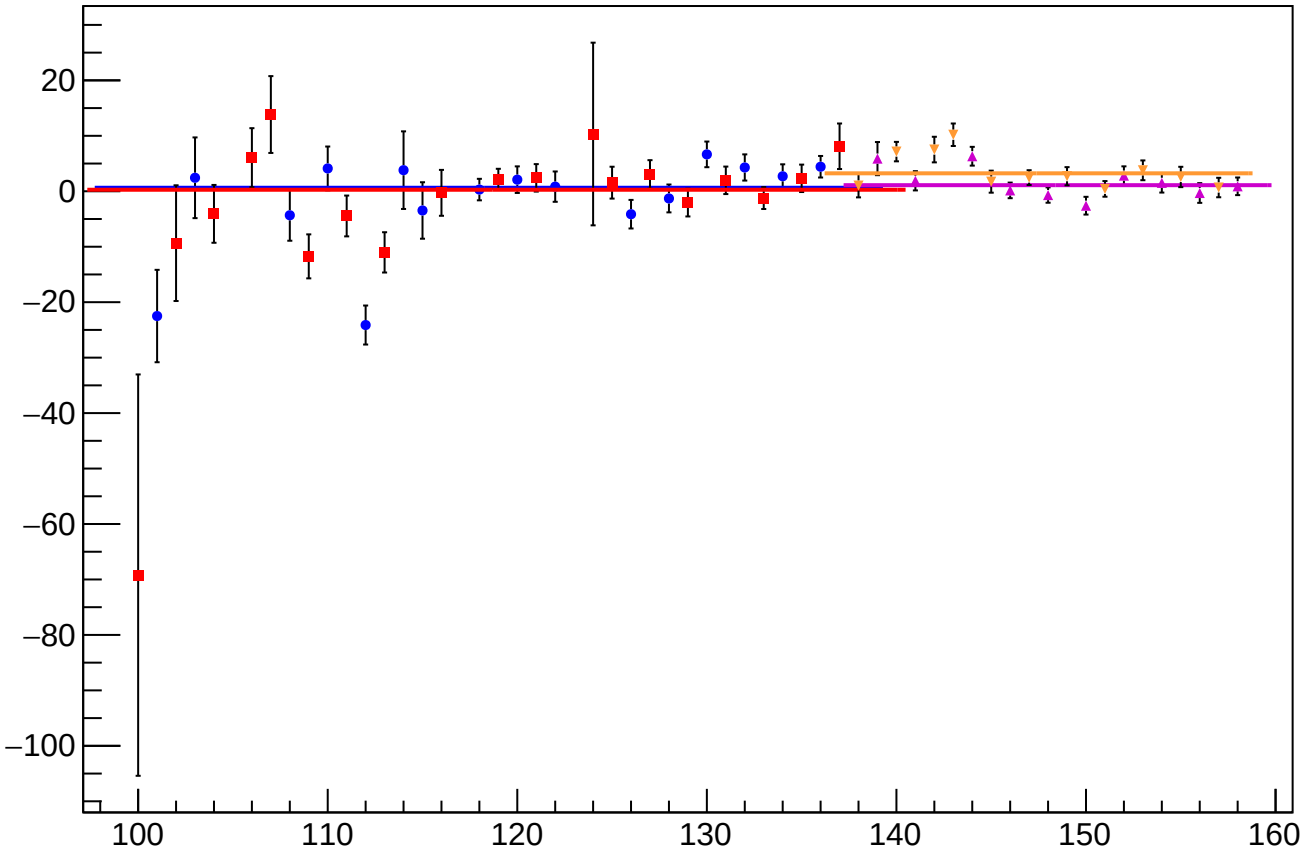
Left: 34.308+/-0.443 χ^2/NDF: 1720.2/20

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 35.144+/-0.467 χ^2/NDF:2159.4/25

Out: 32.554+/-0.471 χ^2/NDF:4547.7/29

All: 33.862+/-0.332 χ^2/NDF: 6722.4/55



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.237+/-0.527 χ^2/NDF:28.6/10

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 1.099+/-0.526 χ^2/NDF:21.5/9

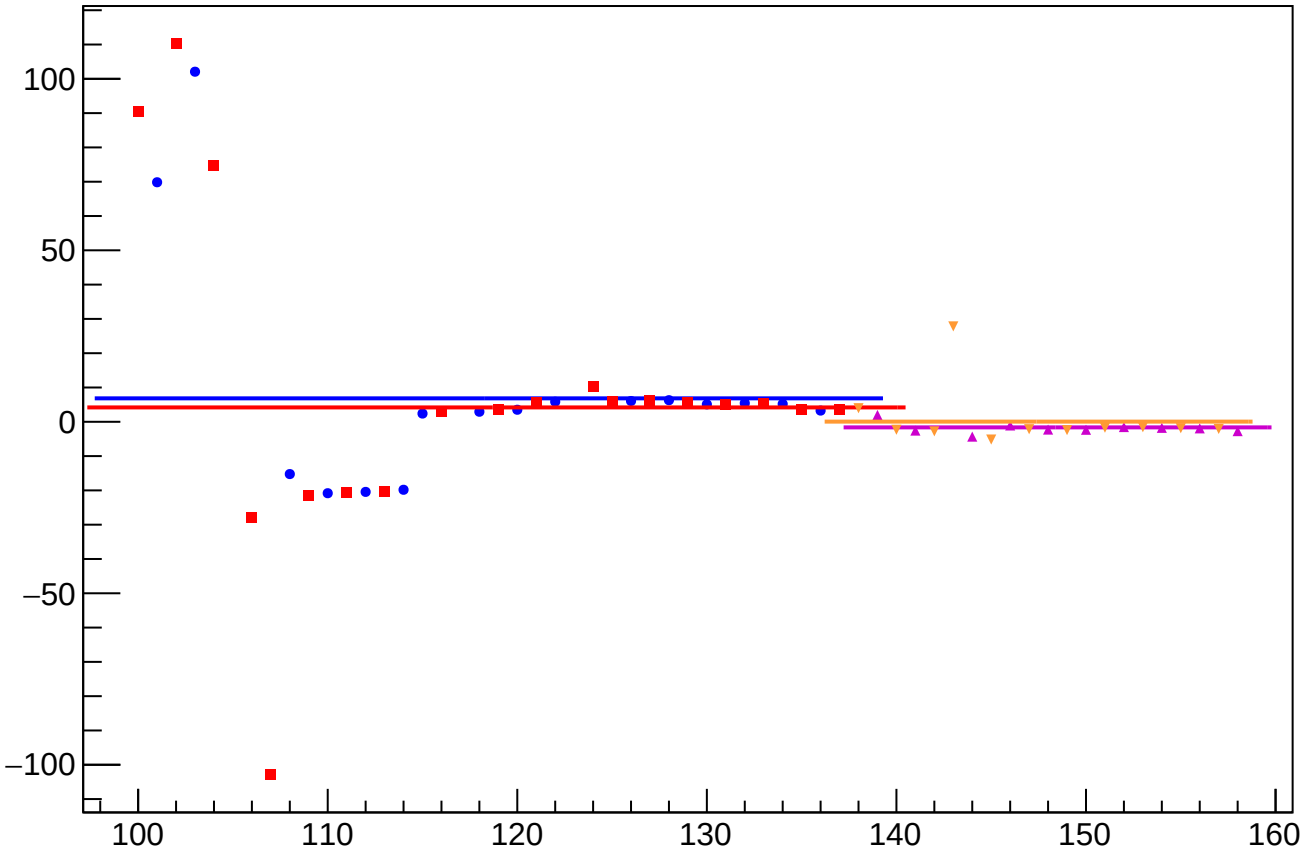
Left: 2.168+/-0.372 χ^2/NDF: 58.4/20

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 0.932+/-0.422 χ^2/NDF:100.2/25

Out: 2.216+/-0.426 χ^2/NDF:80.0/29

All: 1.567+/-0.300 χ^2/NDF: 184.8/55



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.050+/-0.024 χ^2/NDF:88591.0/10

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.630+/-0.024 χ^2/NDF:4665.0/9

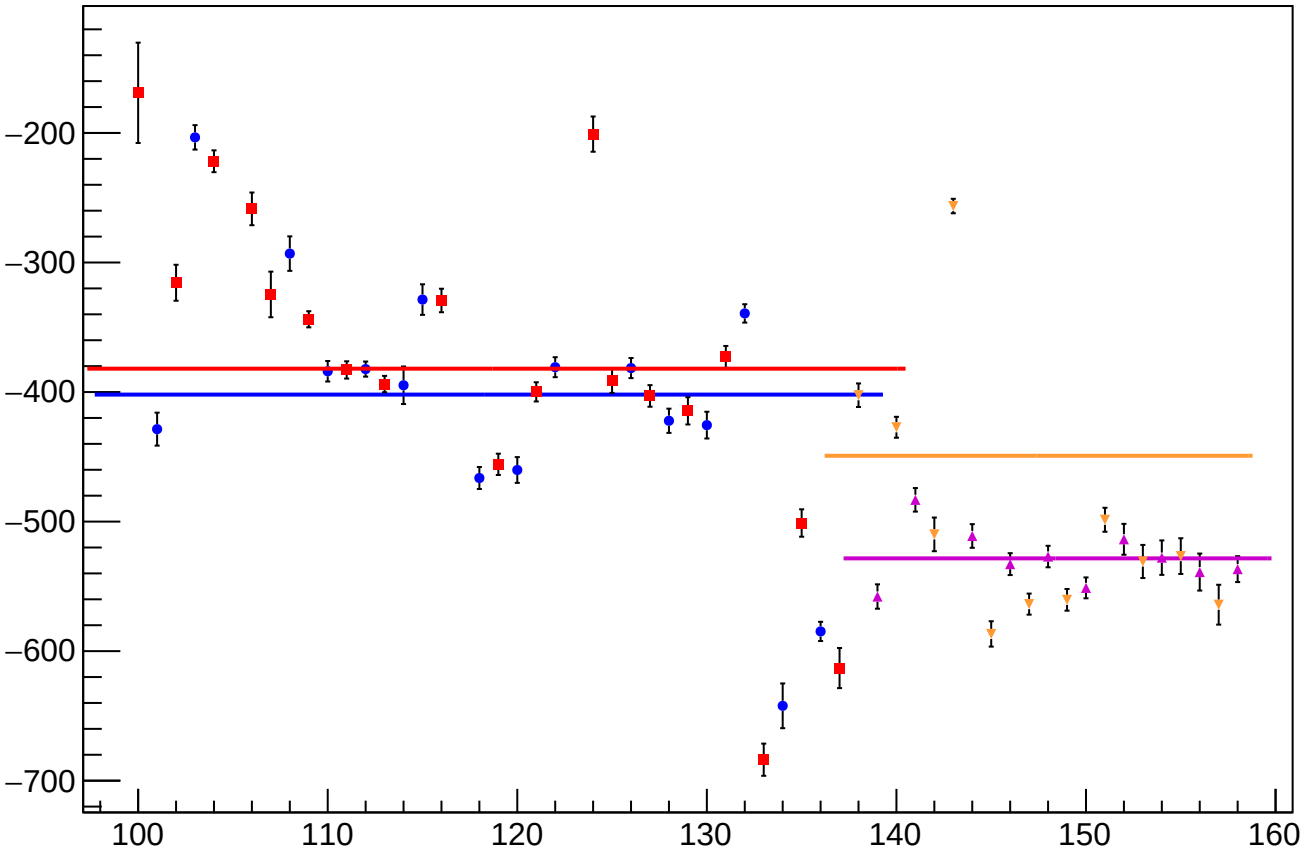
Left: -0.810+/-0.017 χ^2/NDF: 95733.5/20

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.339+/-0.021 χ^2/NDF:355600.2/25

Out: 0.935+/-0.021 χ^2/NDF:529425.3/29

All: 0.626+/-0.015 χ^2/NDF: 885427.7/55



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -449.181+/-2.748 χ^2/NDF:1975.0/10

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -528.391+/-3.058 χ^2/NDF:49.1/9

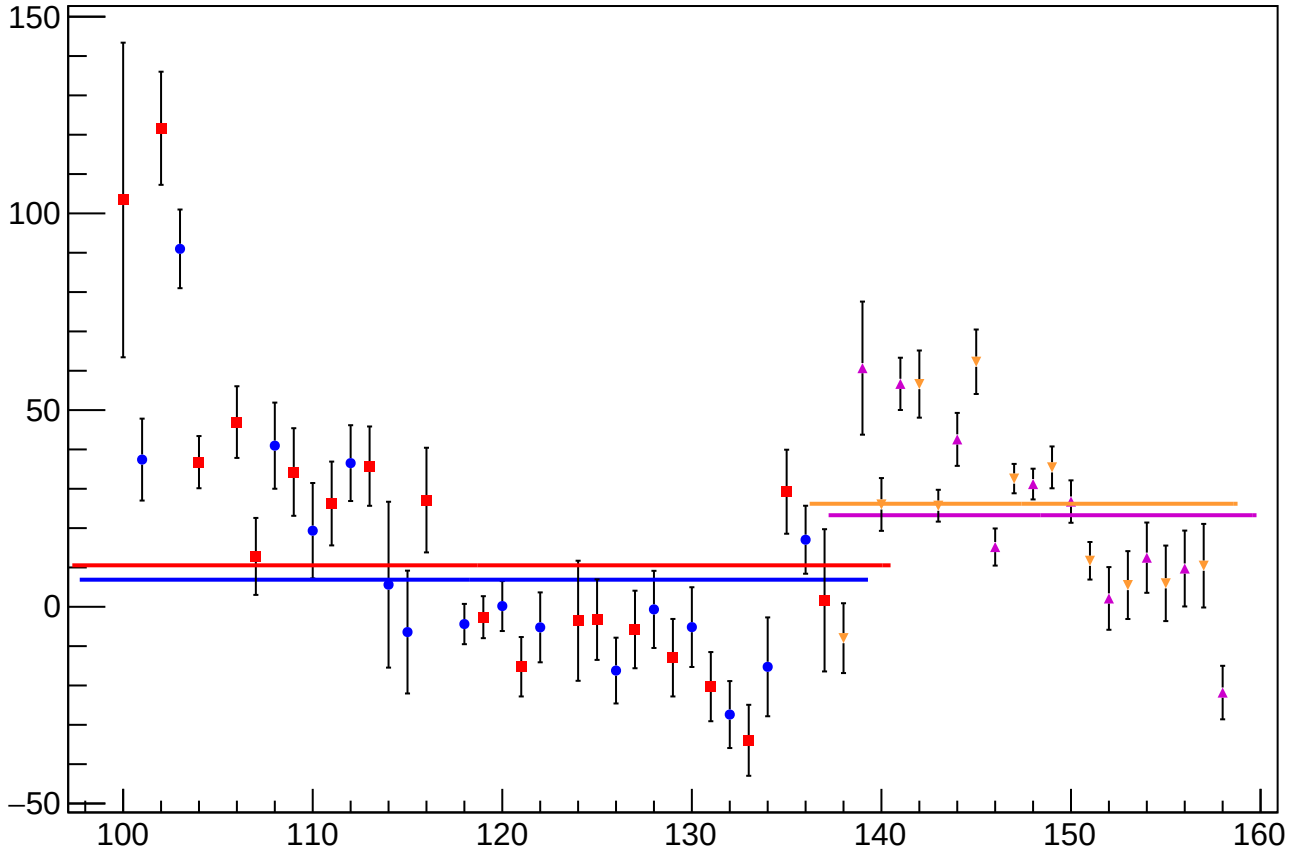
Left: -484.571+/-2.044 χ^2/NDF: 2395.4/20

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -446.014+/-1.805 χ^2/NDF:2726.4/25

Out: -407.100+/-1.681 χ^2/NDF:4167.1/29

All: -425.172+/-1.230 χ^2/NDF: 7142.4/55



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 26.192+/-1.800 χ^2/NDF:74.5/10

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 23.279+/-1.985 χ^2/NDF:100.2/9

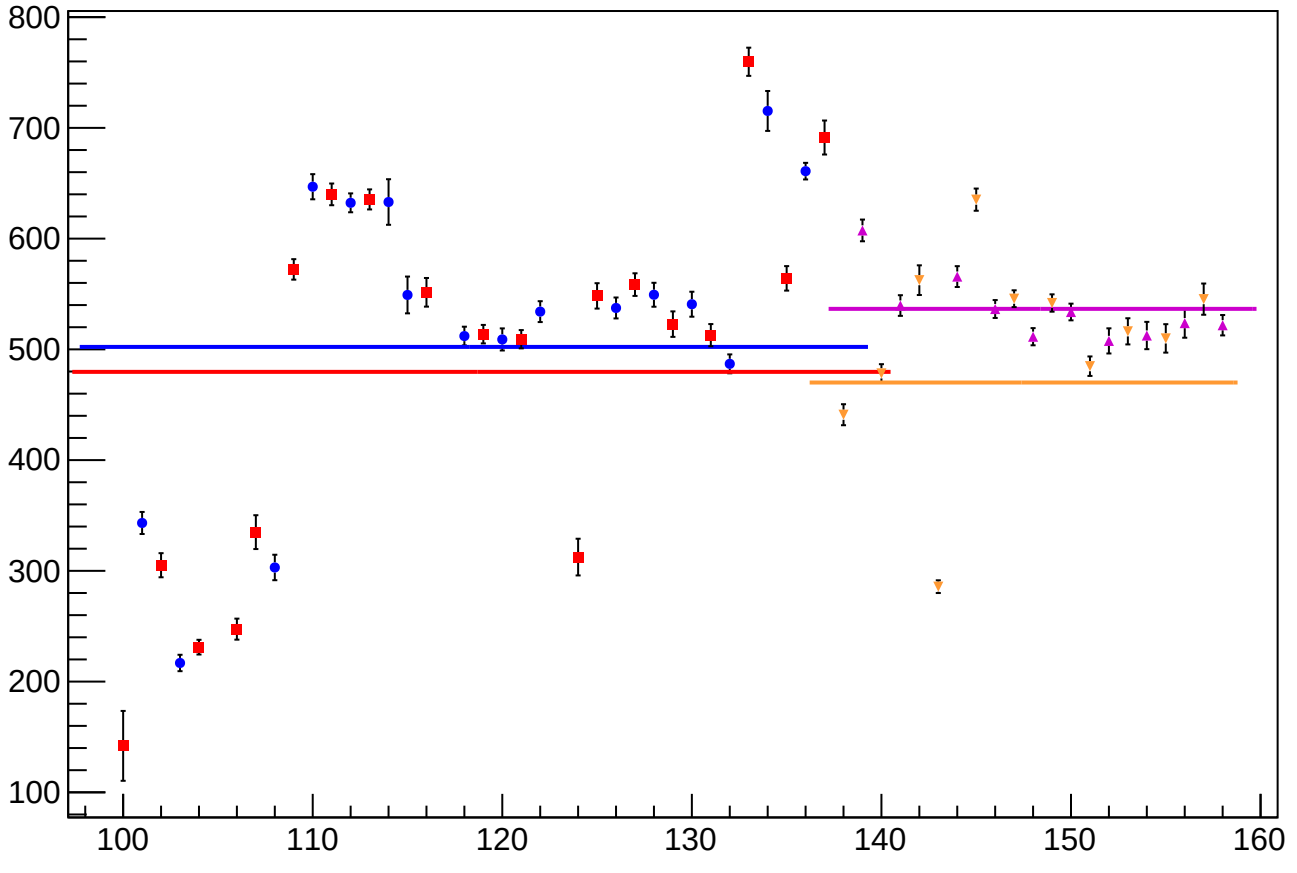
Left: 24.878+/-1.333 χ^2/NDF: 175.9/20

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 16.156+/-1.493 χ^2/NDF:268.3/25

Out: 19.907+/-1.392 χ^2/NDF:284.9/29

All: 18.162+/-1.018 χ^2/NDF: 556.5/55



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 470.057+/-2.708 χ^2/NDF:1599.5/10

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 536.575+/-2.954 χ^2/NDF:86.3/9

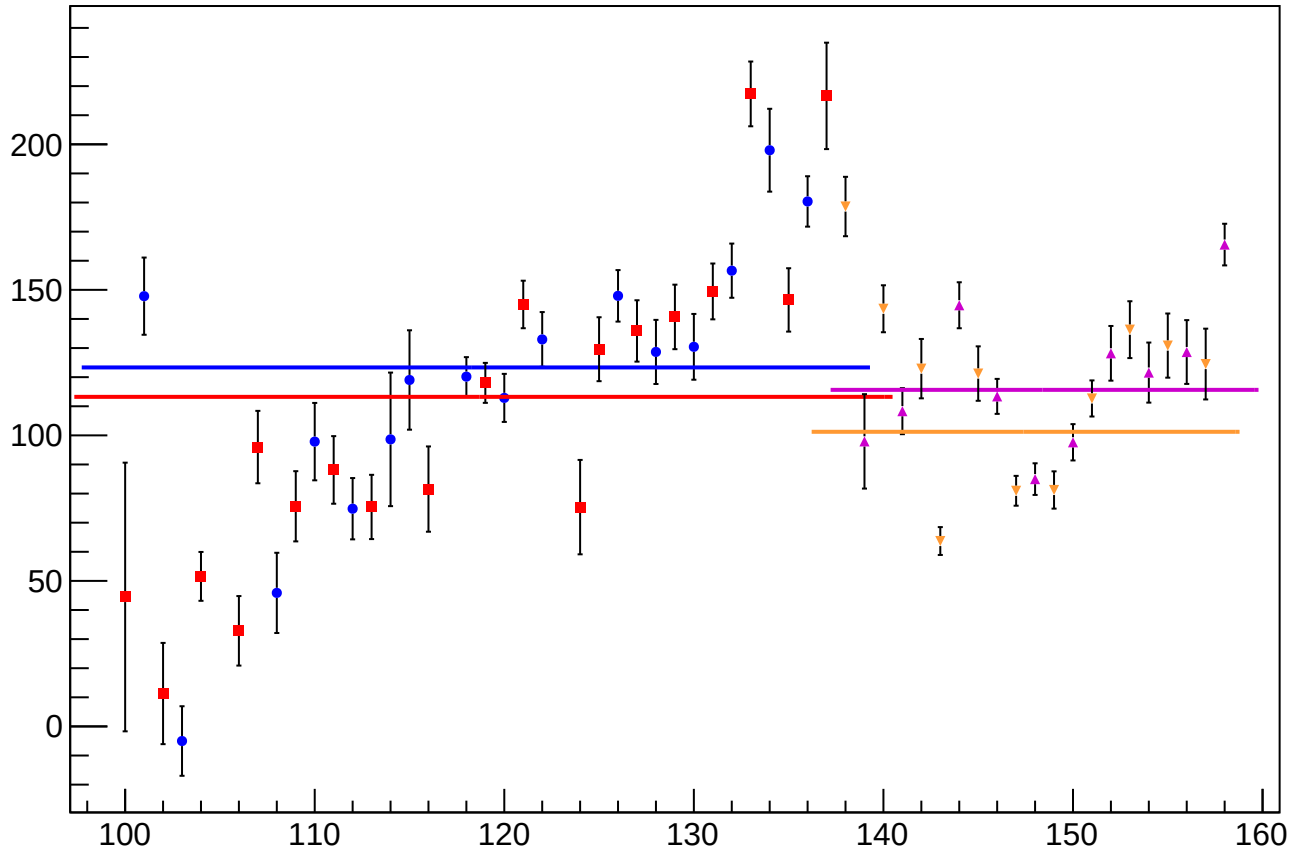
Left: 500.440+/-1.996 χ^2/NDF: 1961.4/20

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 516.508+/-1.905 χ^2/NDF:3300.6/25

Out: 475.448+/-1.796 χ^2/NDF:5745.1/29

All: 494.769+/-1.307 χ^2/NDF: 9291.6/55



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 101.231+/-2.217 χ^2/NDF:208.1/10

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 115.639+/-2.414 χ^2/NDF:108.1/9

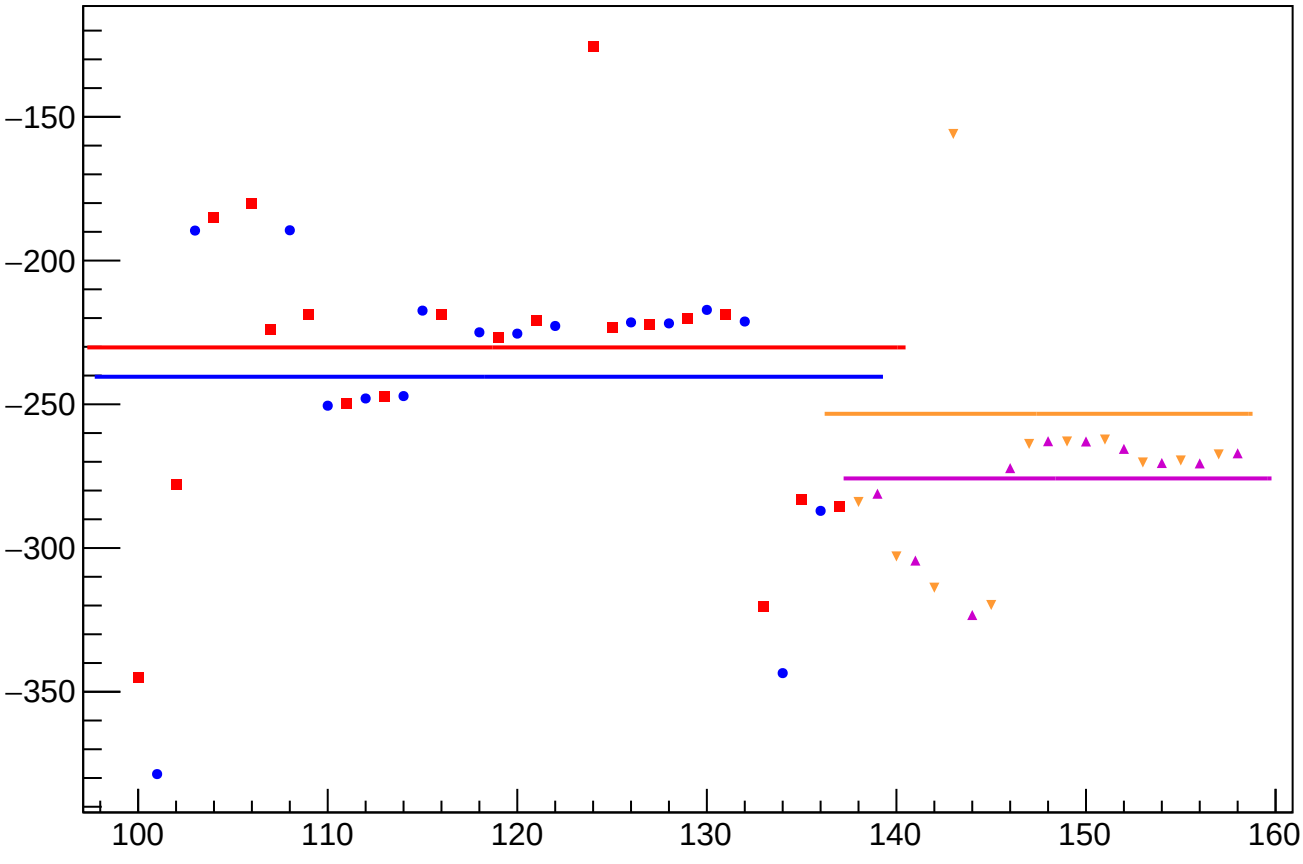
Left: 107.822+/-1.633 χ^2/NDF: 335.6/20

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 119.166+/-1.777 χ^2/NDF:384.1/25

Out: 106.409+/-1.671 χ^2/NDF:566.5/29

All: 112.396+/-1.218 χ^2/NDF: 978.0/55



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.303+/-0.109 χ^2/NDF:236531.4/10

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -275.786+/-0.114 χ^2/NDF:23799.8/9

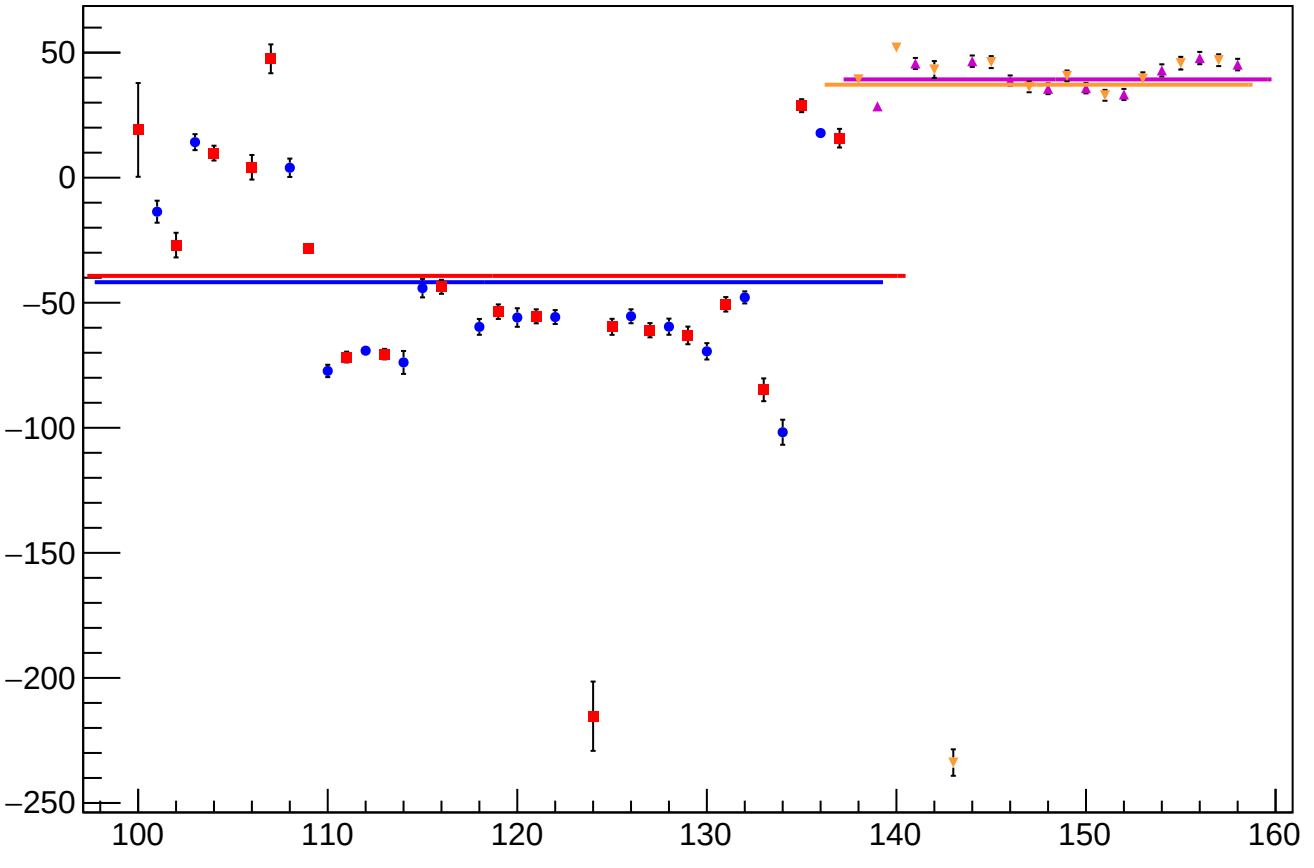
Left: -264.079+/-0.079 χ^2/NDF: 280553.6/20

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -262.889+/-0.091 χ^2/NDF:193002.9/25

Out: -245.028+/-0.088 χ^2/NDF:335913.2/29

All: -253.633+/-0.063 χ^2/NDF: 548904.1/55



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 37.172+/-0.715 χ^2/NDF:2737.3/10

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 39.290+/-0.695 χ^2/NDF:83.7/9

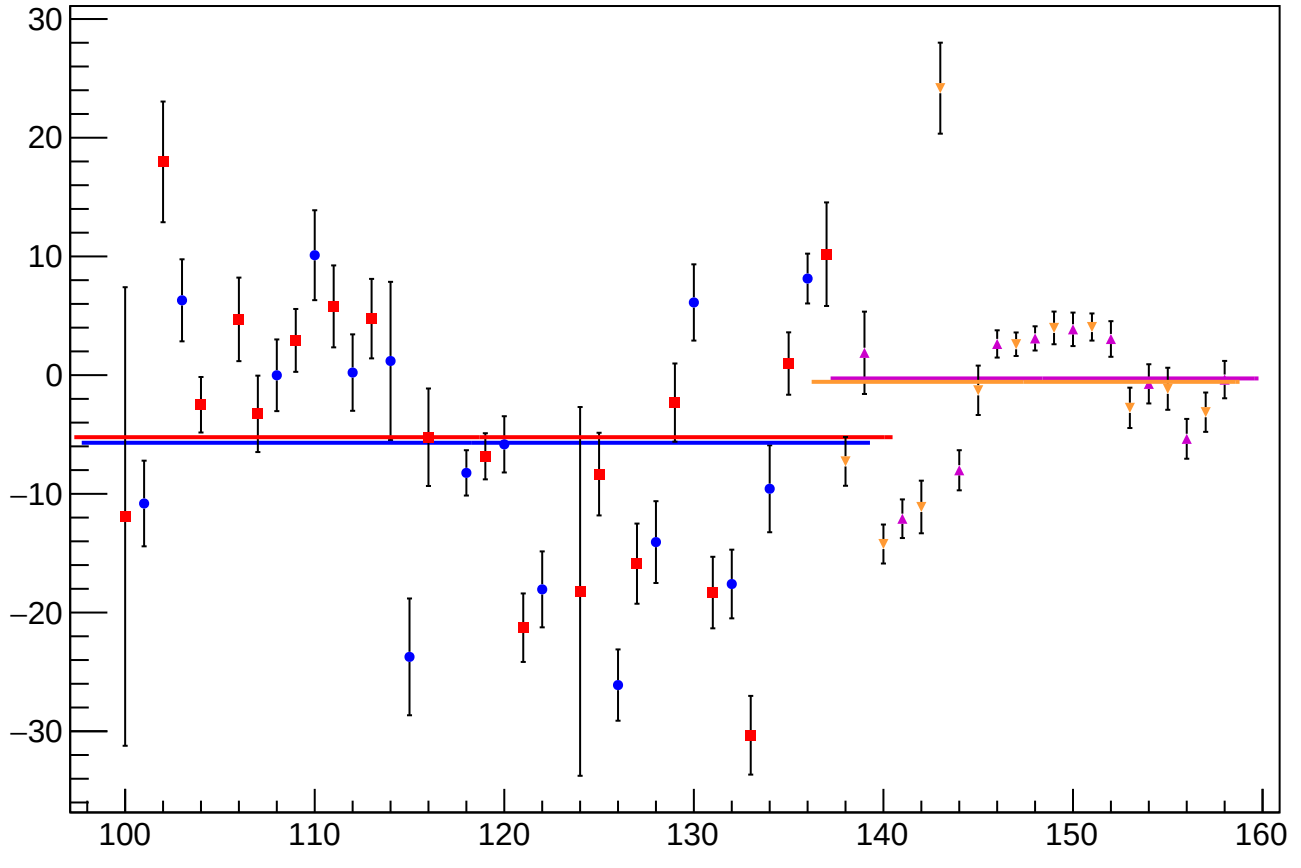
Left: 38.260+/-0.498 χ^2/NDF: 2825.5/20

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 0.336+/-0.501 χ^2/NDF:9020.3/25

Out: -2.960+/-0.492 χ^2/NDF:11222.9/29

All: -1.341+/-0.351 χ^2/NDF: 20265.2/55



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.564+/-0.474 χ^2/NDF:185.9/10

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -0.279+/-0.466 χ^2/NDF:114.2/9

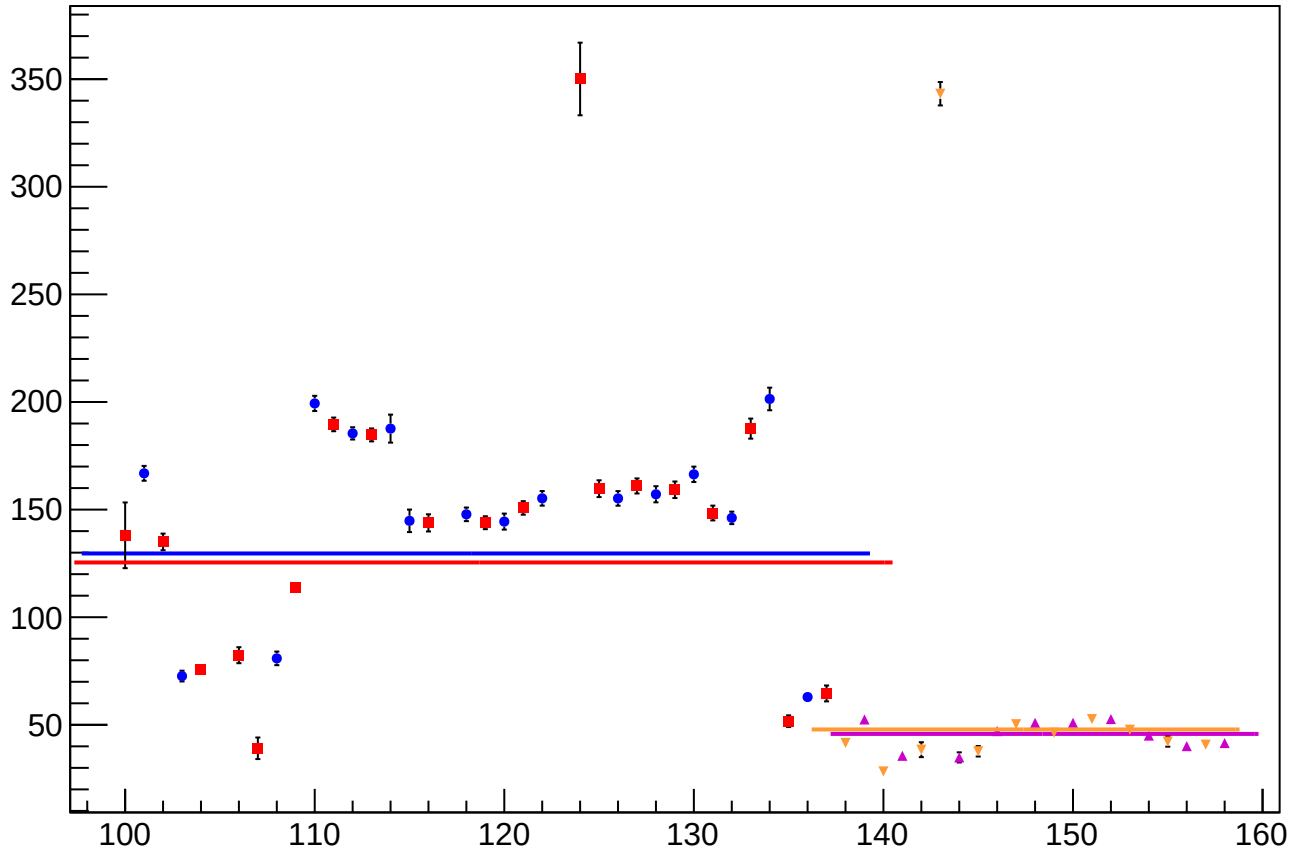
Left: -0.419+/-0.332 χ^2/NDF: 300.3/20

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -1.780+/-0.396 χ^2/NDF:348.4/25

Out: -1.920+/-0.399 χ^2/NDF:411.4/29

All: -1.849+/-0.281 χ^2/NDF: 759.8/55



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 47.847+/-0.694 χ^2/NDF:3100.4/10

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 45.777+/-0.671 χ^2/NDF:87.4/9

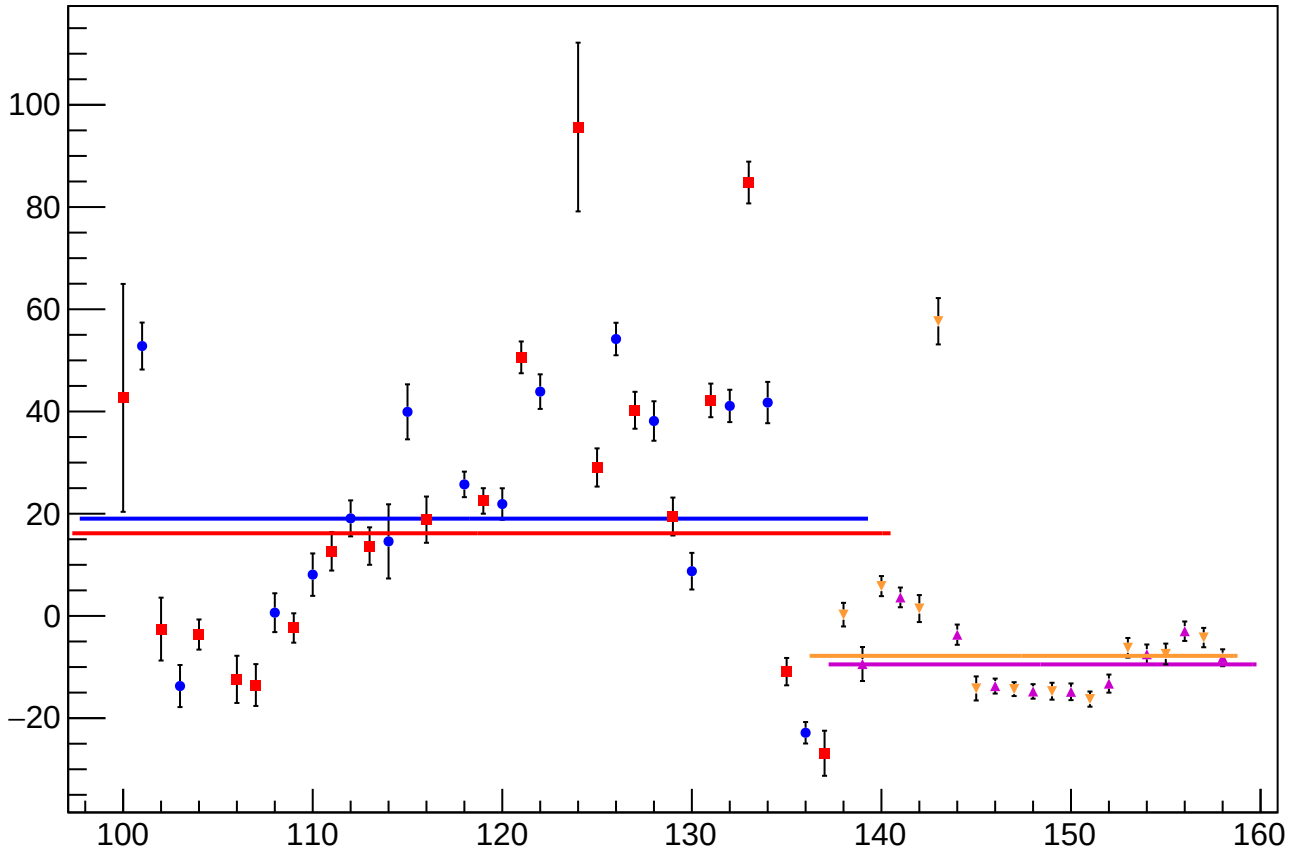
Left: 46.778+/-0.482 χ^2/NDF: 3192.4/20

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 80.386+/-0.514 χ^2/NDF:10151.8/25

Out: 81.632+/-0.521 χ^2/NDF:12051.8/29

All: 81.001+/-0.366 χ^2/NDF: 22206.5/55



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.808+/-0.580 χ^2/NDF:365.8/10

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -9.482+/-0.560 χ^2/NDF:105.7/9

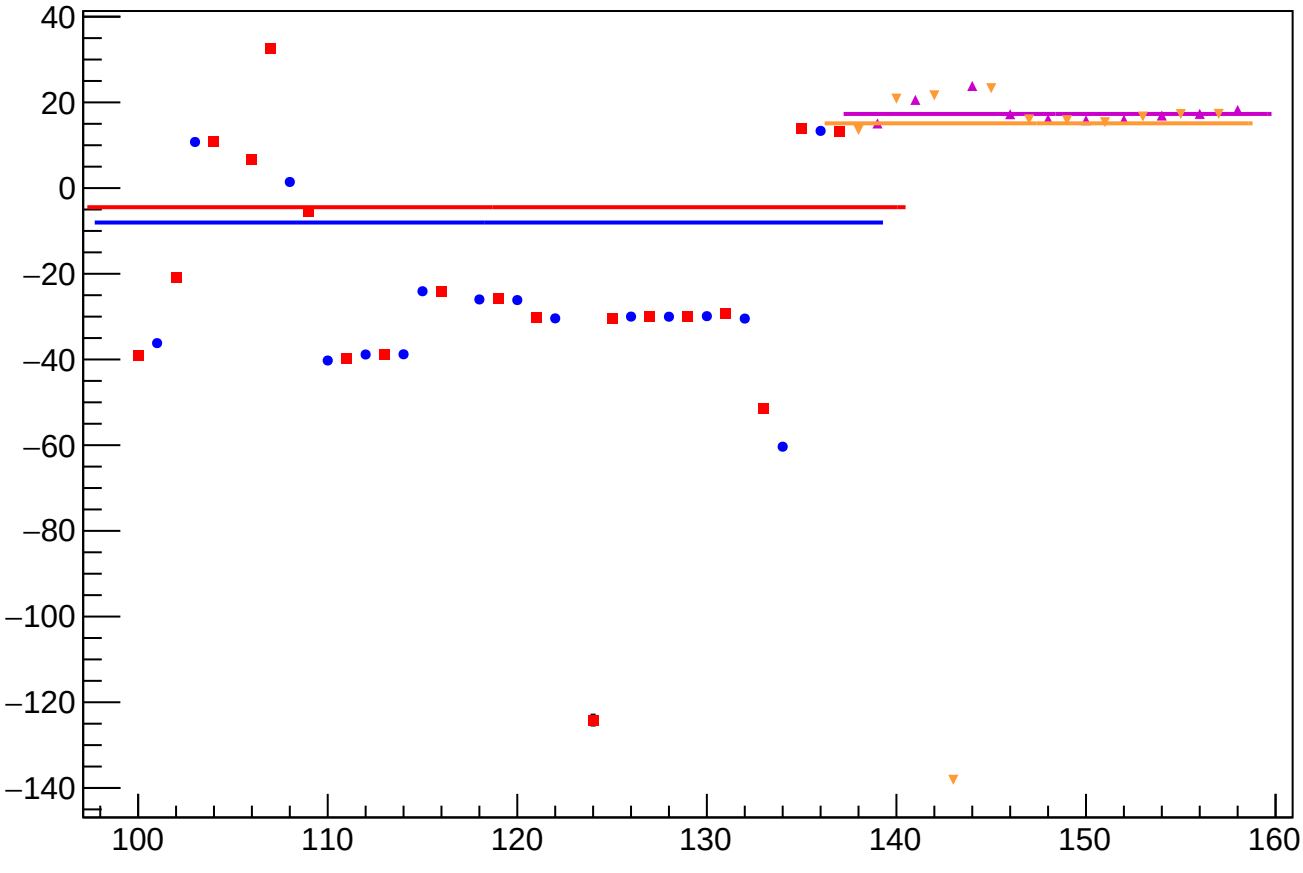
Left: -8.674+/-0.403 χ^2/NDF: 475.8/20

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -0.994+/-0.469 χ^2/NDF:1736.3/25

Out: -0.141+/-0.478 χ^2/NDF:1853.7/29

All: -0.576+/-0.335 χ^2/NDF: 3591.6/55



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.111+/-0.027 χ^2/NDF:473752.5/10

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.300+/-0.025 χ^2/NDF:7134.1/9

Left: 16.268+/-0.018 χ^2/NDF: 484427.3/20

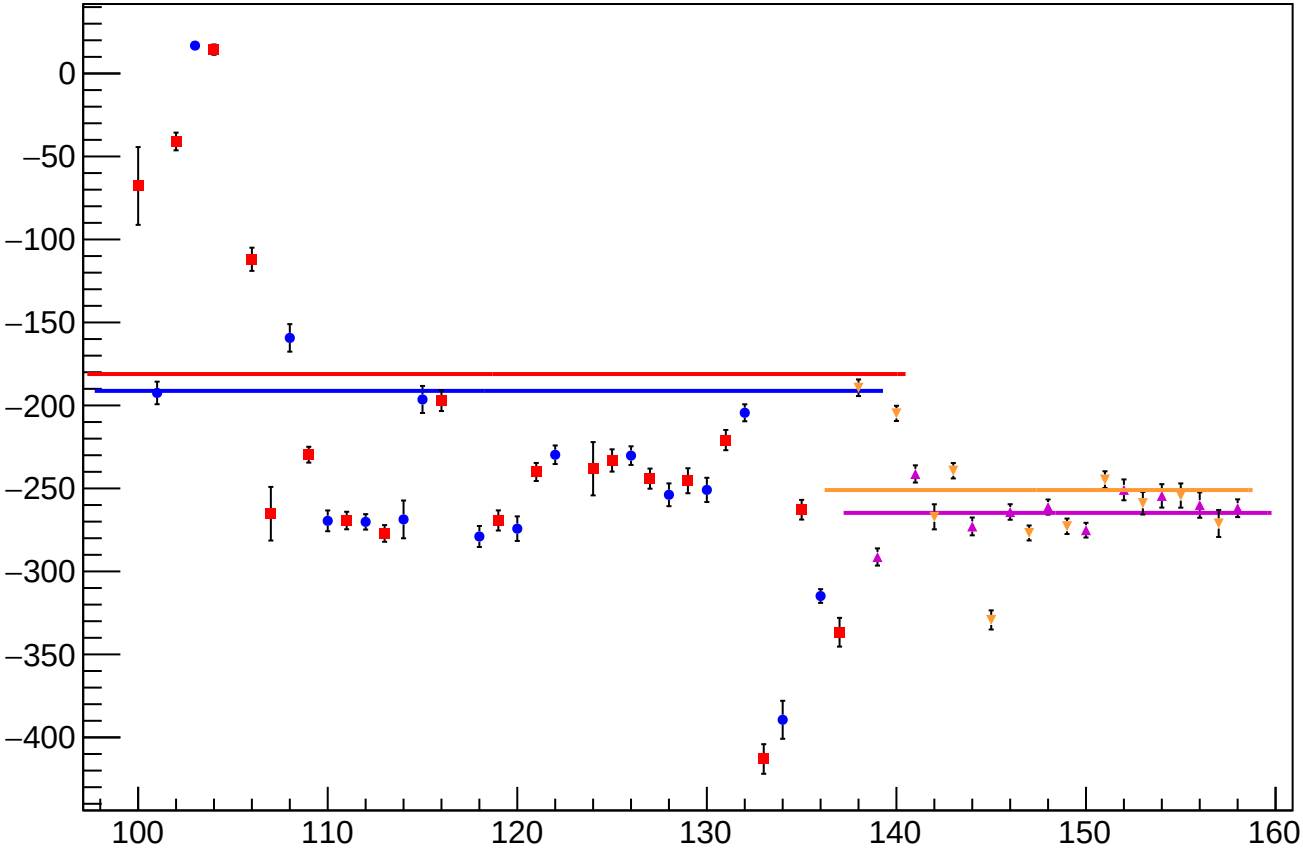
Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 11.394+/-0.022 χ^2/NDF:509463.1/25

Out: 10.292+/-0.023 χ^2/NDF:834011.2/29

All: 10.870+/-0.016 χ^2/NDF: 1344656.2/55

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -250.981+/-1.639 χ^2/NDF:512.7/10

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -264.733+/-1.687 χ^2/NDF:62.8/9

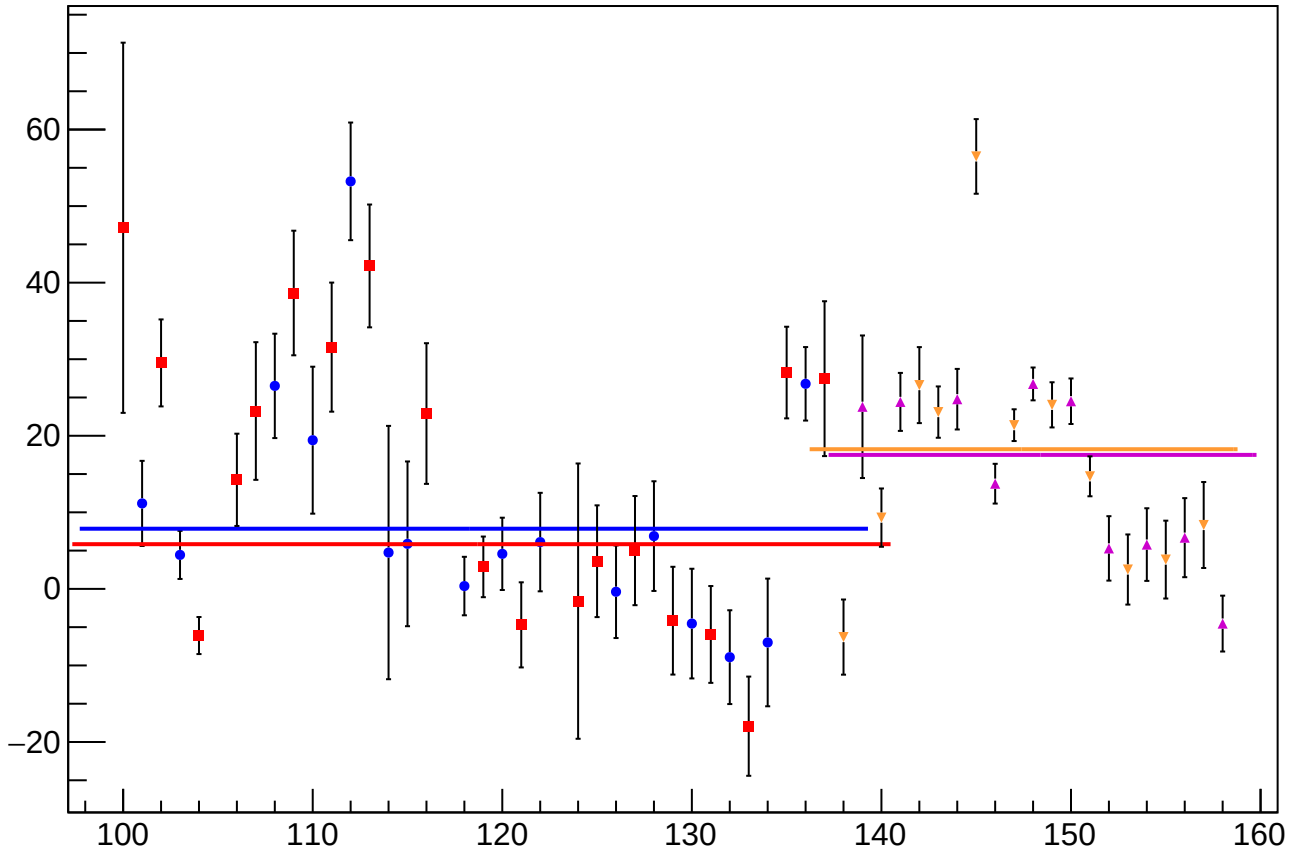
Left: -257.656+/-1.176 χ^2/NDF: 609.7/20

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -221.662+/-1.086 χ^2/NDF:8399.4/25

Out: -210.141+/-1.057 χ^2/NDF:8949.5/29

All: -215.745+/-0.757 χ^2/NDF: 17406.6/55



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 18.243+/-1.057 χ^2/NDF:127.9/10

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 17.502+/-1.093 χ^2/NDF:88.9/9

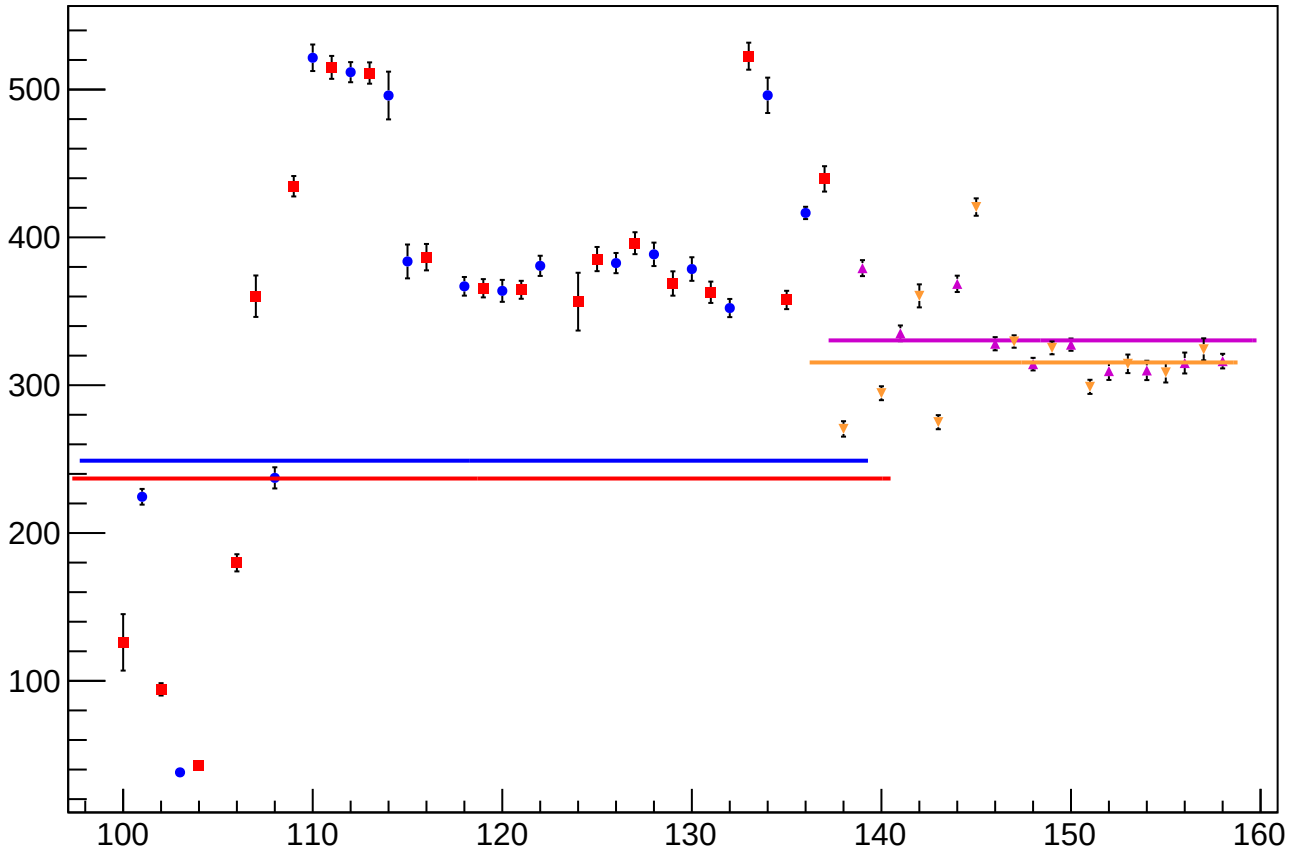
Left: 17.885+/-0.760 χ^2/NDF: 217.0/20

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 13.972+/-0.870 χ^2/NDF:198.3/25

Out: 13.552+/-0.834 χ^2/NDF:321.8/29

All: 13.753+/-0.602 χ^2/NDF: 520.3/55



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.387+/-1.602 χ^2/NDF:549.0/10

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 330.308+/-1.627 χ^2/NDF:179.9/9

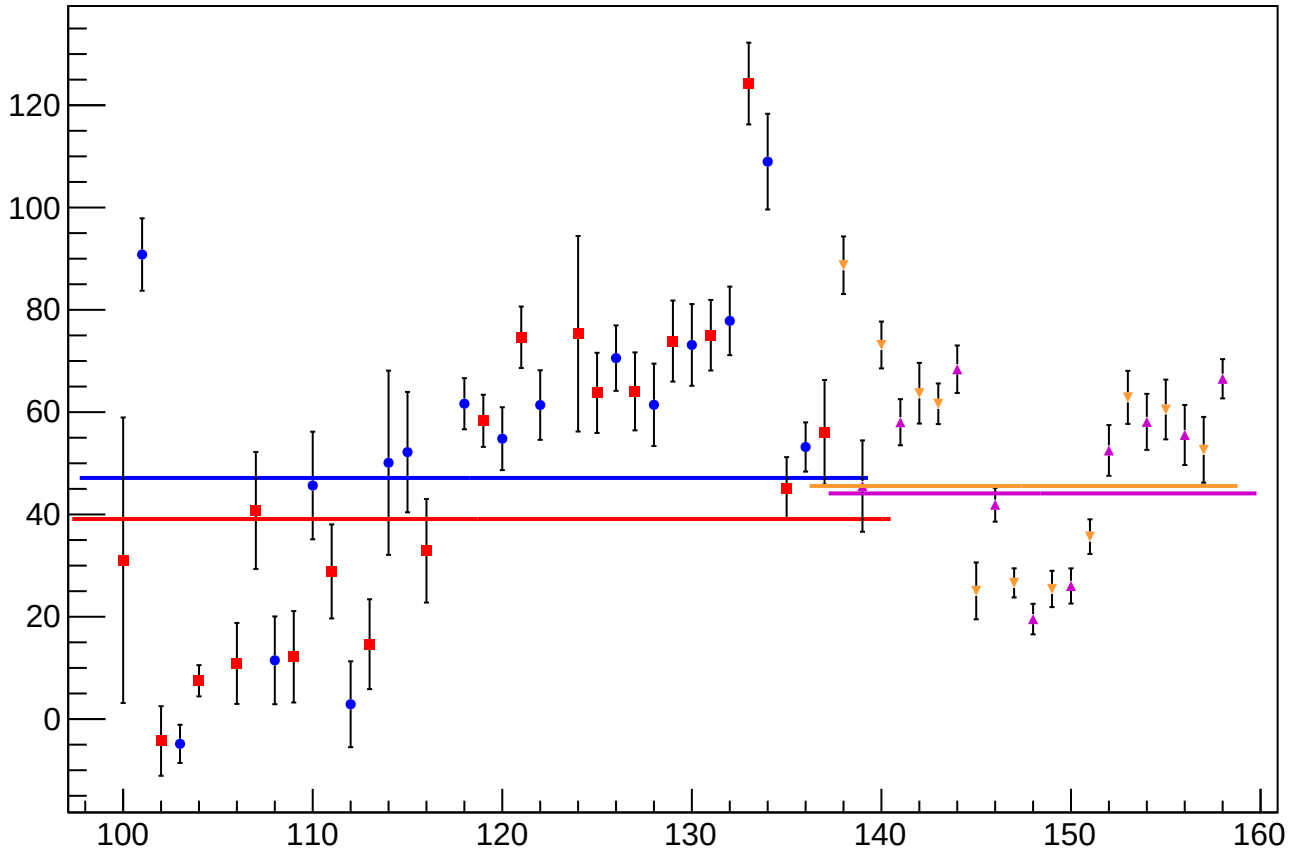
Left: 322.734+/-1.142 χ^2/NDF: 771.6/20

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 284.167+/-1.071 χ^2/NDF:16900.7/25

Out: 271.046+/-1.057 χ^2/NDF:17562.3/29

All: 277.524+/-0.752 χ^2/NDF: 34539.1/55



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 45.565+/-1.308 χ^2/NDF:238.2/10

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 44.115+/-1.328 χ^2/NDF:180.0/9

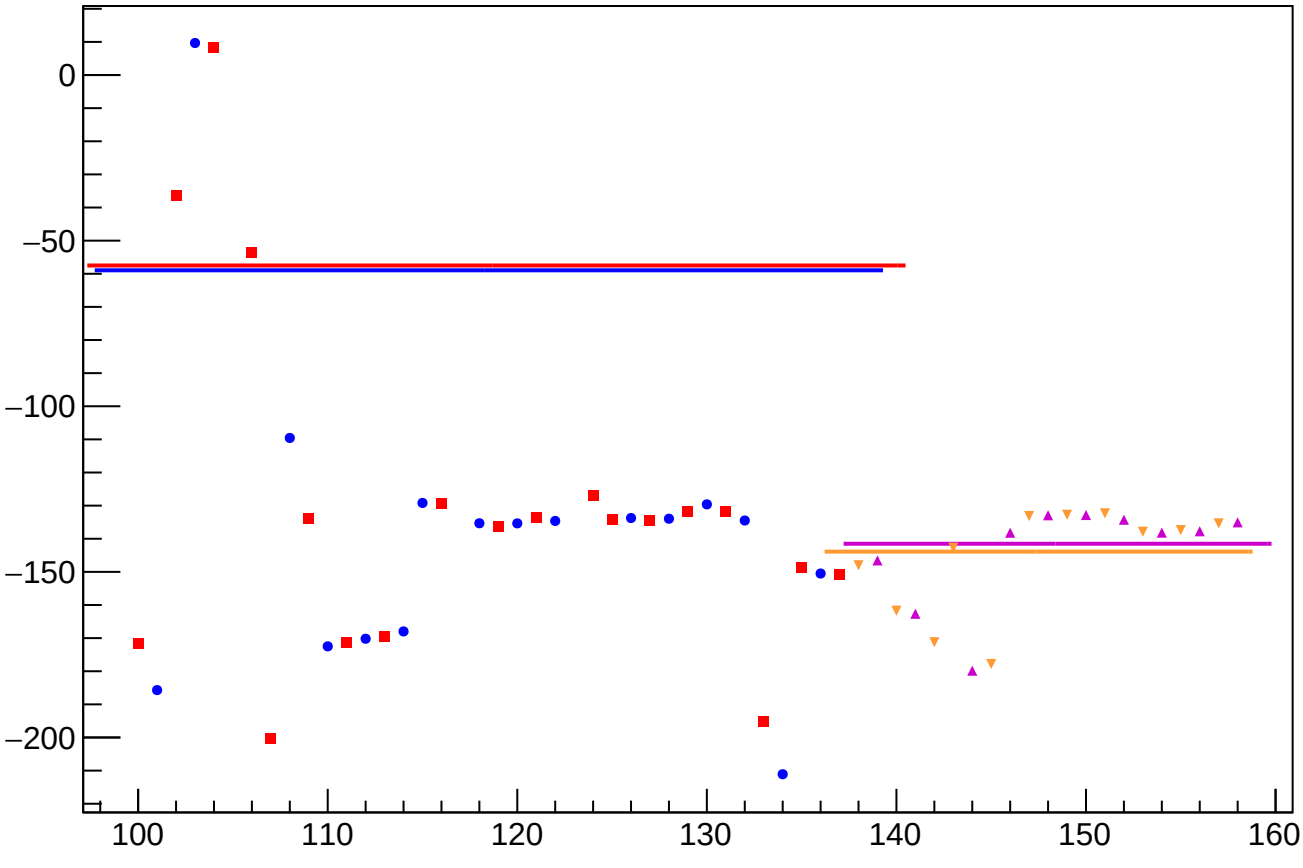
Left: 44.852+/-0.932 χ^2/NDF: 418.9/20

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 45.288+/-1.039 χ^2/NDF:567.4/25

Out: 42.969+/-1.012 χ^2/NDF:664.5/29

All: 44.098+/-0.725 χ^2/NDF: 1234.4/55



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -143.889+/-0.064 χ^2/NDF:49634.5/10

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -141.509+/-0.063 χ^2/NDF:42479.5/9

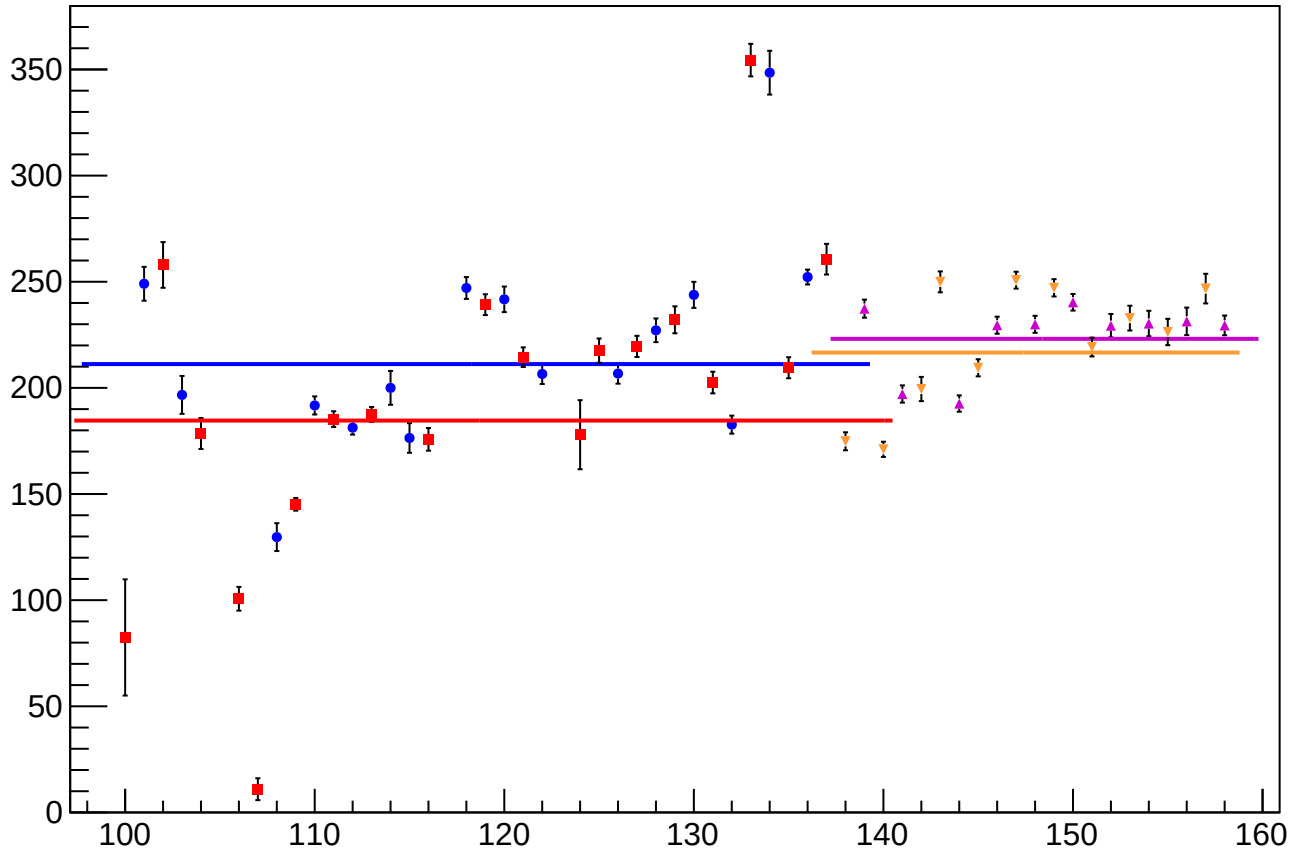
Left: -142.668+/-0.045 χ^2/NDF: 92819.1/20

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -106.341+/-0.047 χ^2/NDF:2011590.2/25

Out: -106.926+/-0.049 χ^2/NDF:1695282.8/29

All: -106.626+/-0.034 χ^2/NDF: 3706947.2/55



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 216.658+/-1.391 χ^2/NDF:475.4/10

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 223.105+/-1.409 χ^2/NDF:145.8/9

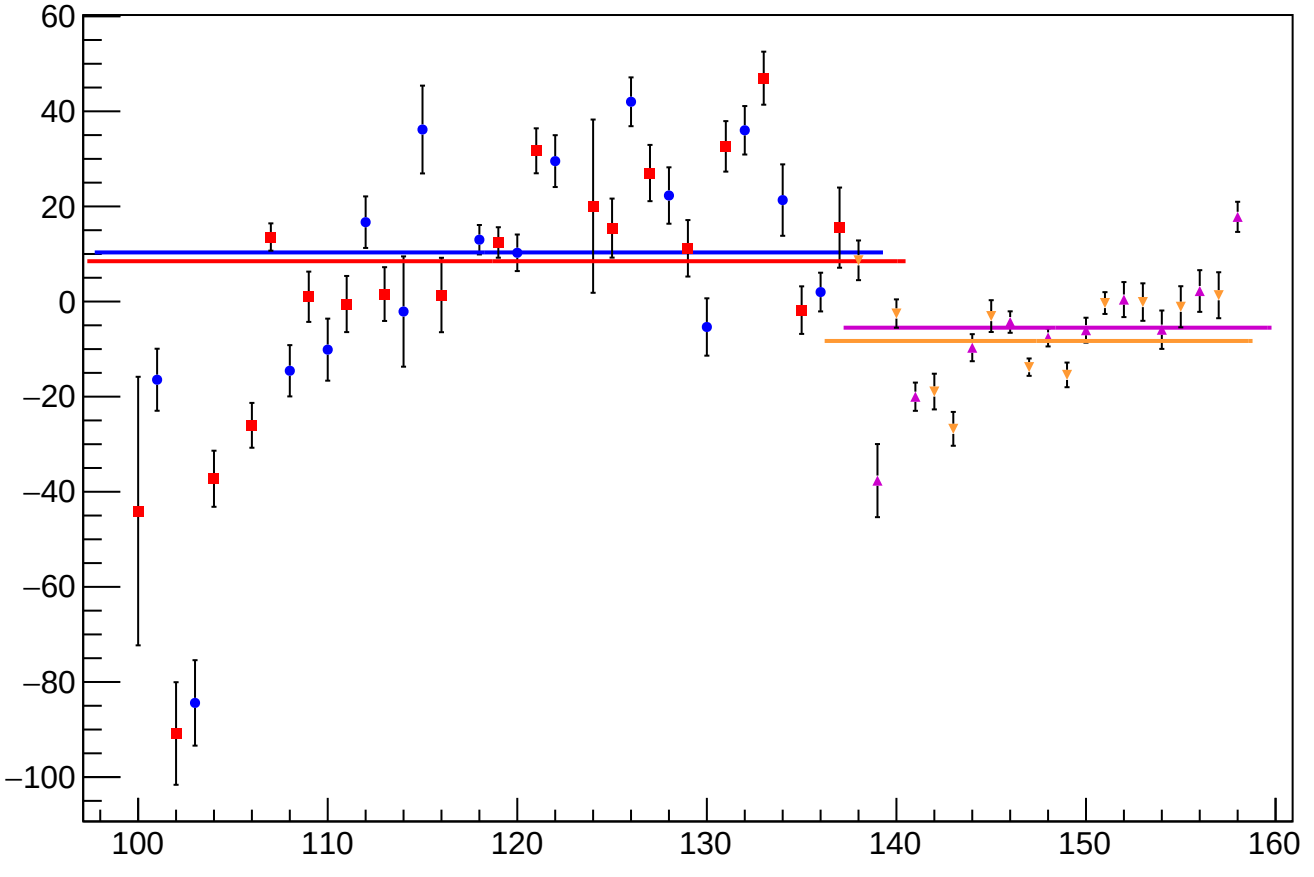
Left: 219.840+/-0.990 χ^2/NDF: 631.8/20

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 216.661+/-0.954 χ^2/NDF:967.4/25

Out: 198.208+/-0.906 χ^2/NDF:3321.4/29

All: 206.961+/-0.657 χ^2/NDF: 4485.6/55



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -8.289+/-0.910 χ^2/NDF:97.5/10

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -5.499+/-0.927 χ^2/NDF:104.9/9

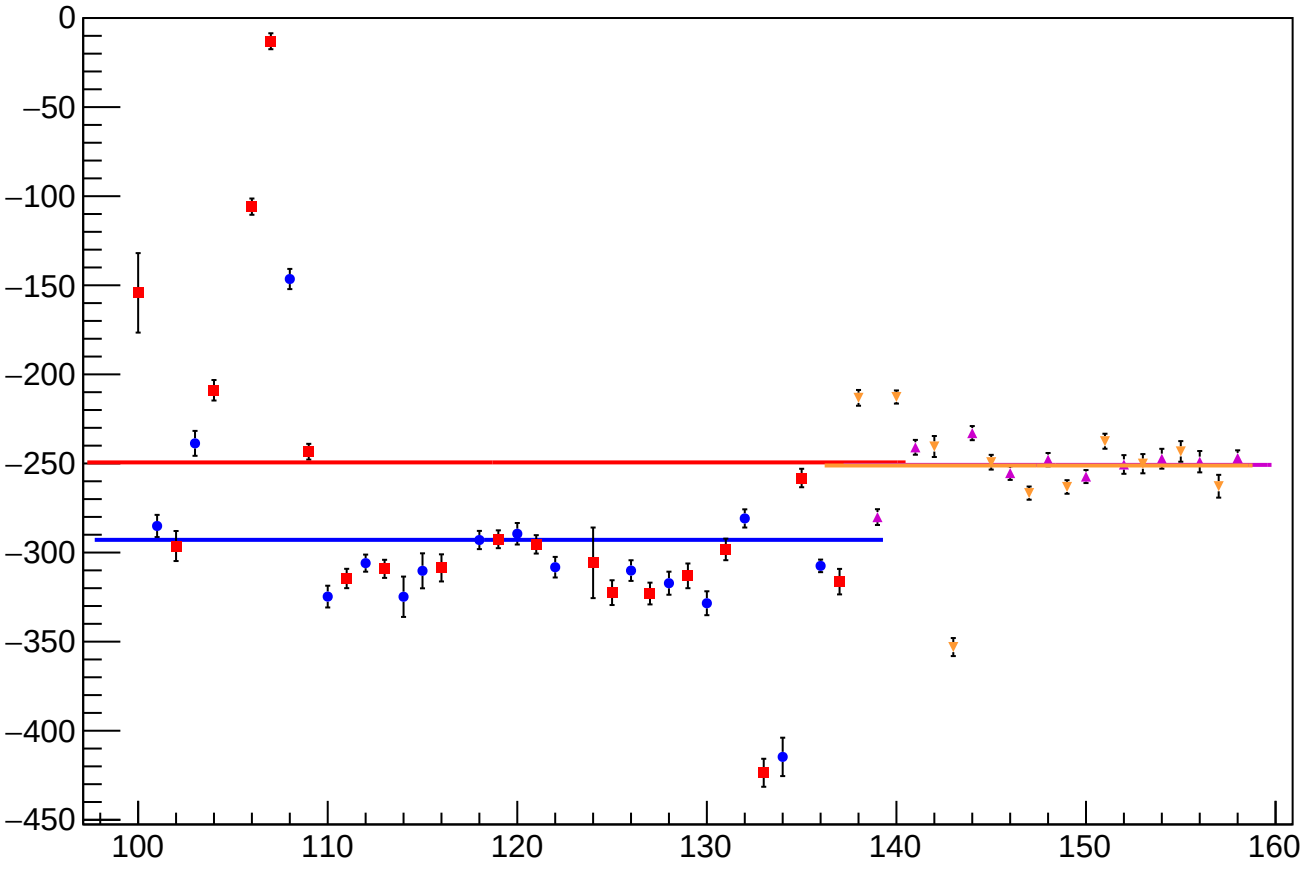
Left: -6.920+/-0.649 χ^2/NDF: 206.9/20

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: -0.338+/-0.761 χ^2/NDF:463.2/25

Out: -2.327+/-0.730 χ^2/NDF:540.6/29

All: -1.373+/-0.527 χ^2/NDF: 1007.4/55



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -251.142+/-1.364 χ^2/NDF:634.0/10

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -250.799+/-1.365 χ^2/NDF:76.0/9

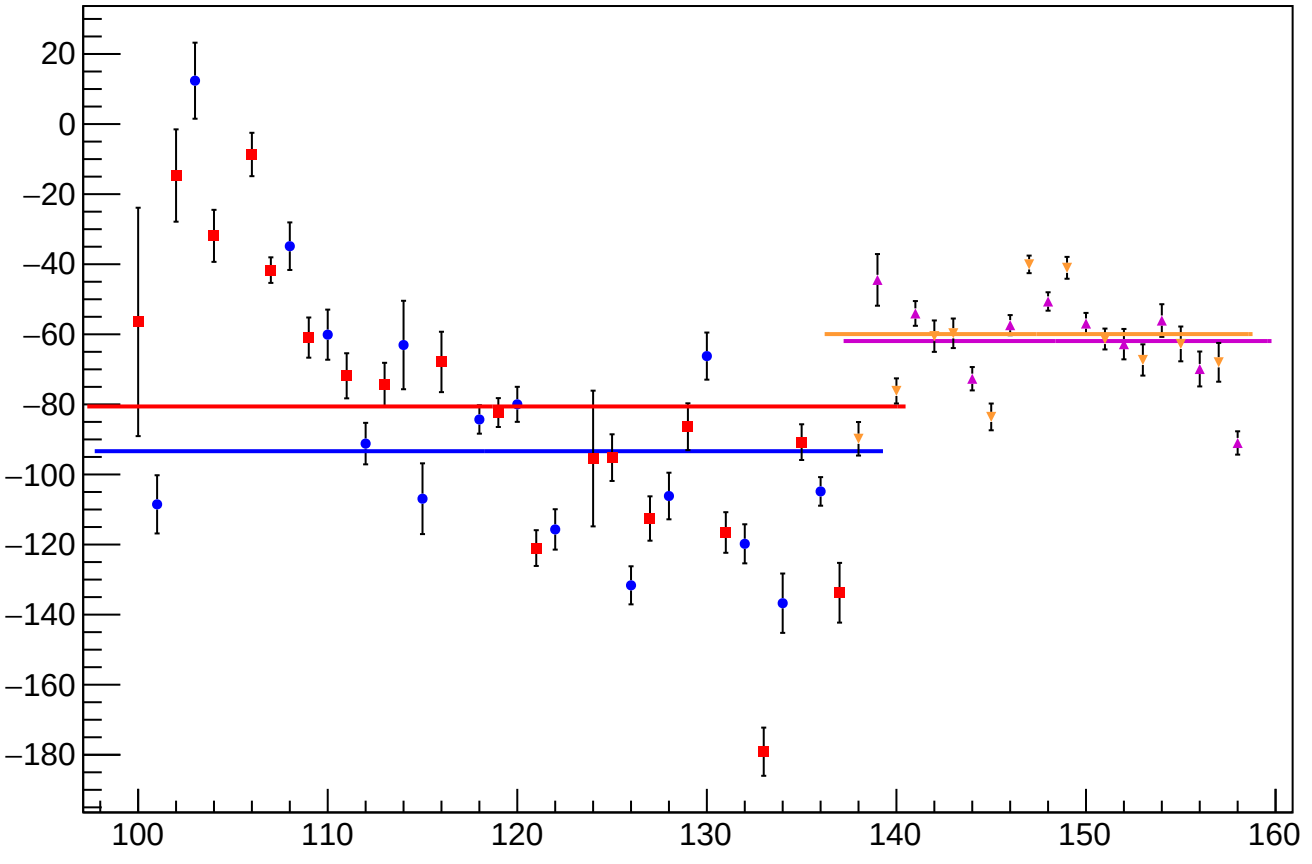
Left: -250.970+/-0.965 χ^2/NDF: 709.9/20

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -270.312+/-0.999 χ^2/NDF:1500.2/25

Out: -250.278+/-0.966 χ^2/NDF:6003.2/29

All: -259.955+/-0.695 χ^2/NDF: 7711.1/55



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -59.937+/-1.122 χ^2/NDF:203.0/10

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -61.924+/-1.123 χ^2/NDF:125.1/9

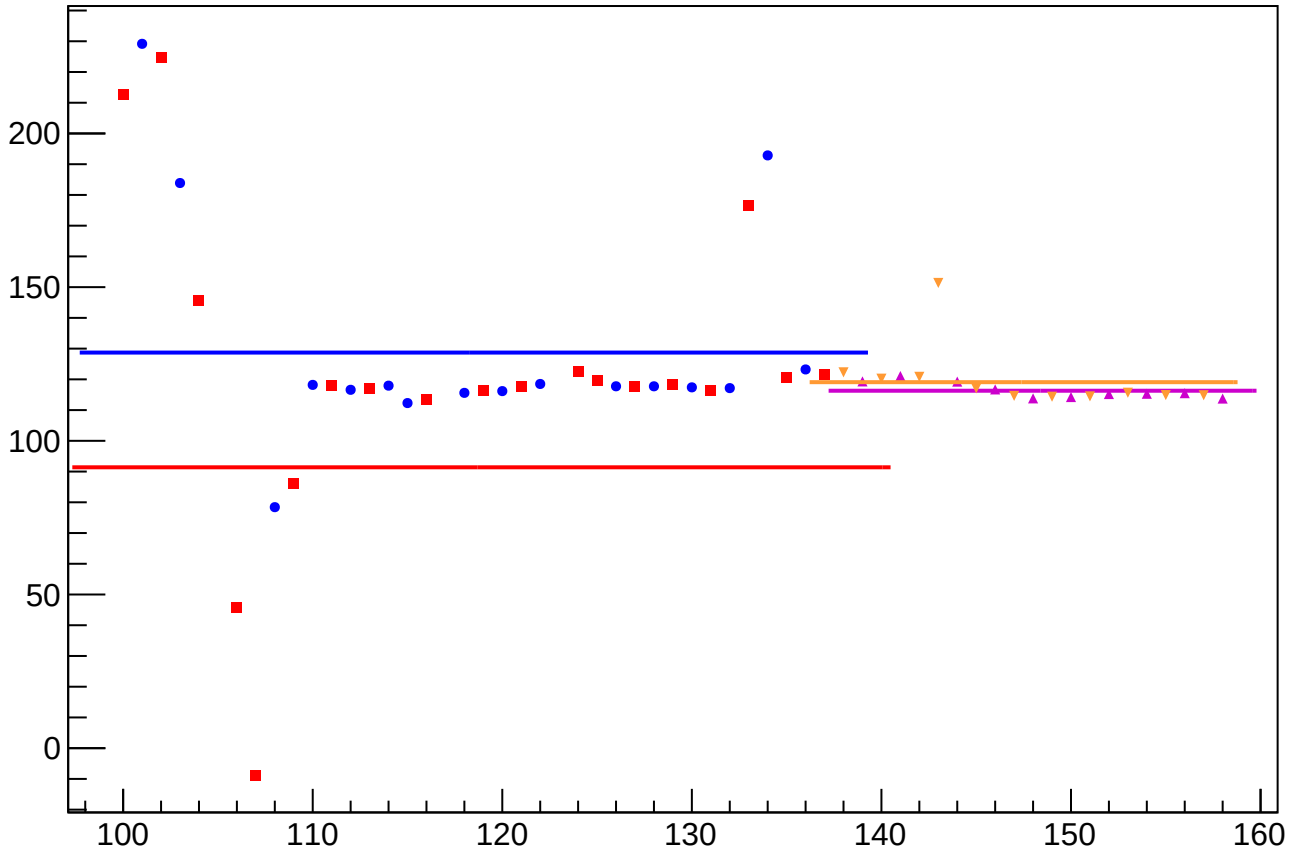
Left: -60.930+/-0.794 χ^2/NDF: 329.7/20

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -72.885+/-0.906 χ^2/NDF:753.8/25

Out: -67.848+/-0.881 χ^2/NDF:1048.2/29

All: -70.296+/-0.632 χ^2/NDF: 1817.8/55



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 119.084+/-0.055 χ^2/NDF:27565.9/10

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.299+/-0.053 χ^2/NDF:2268.3/9

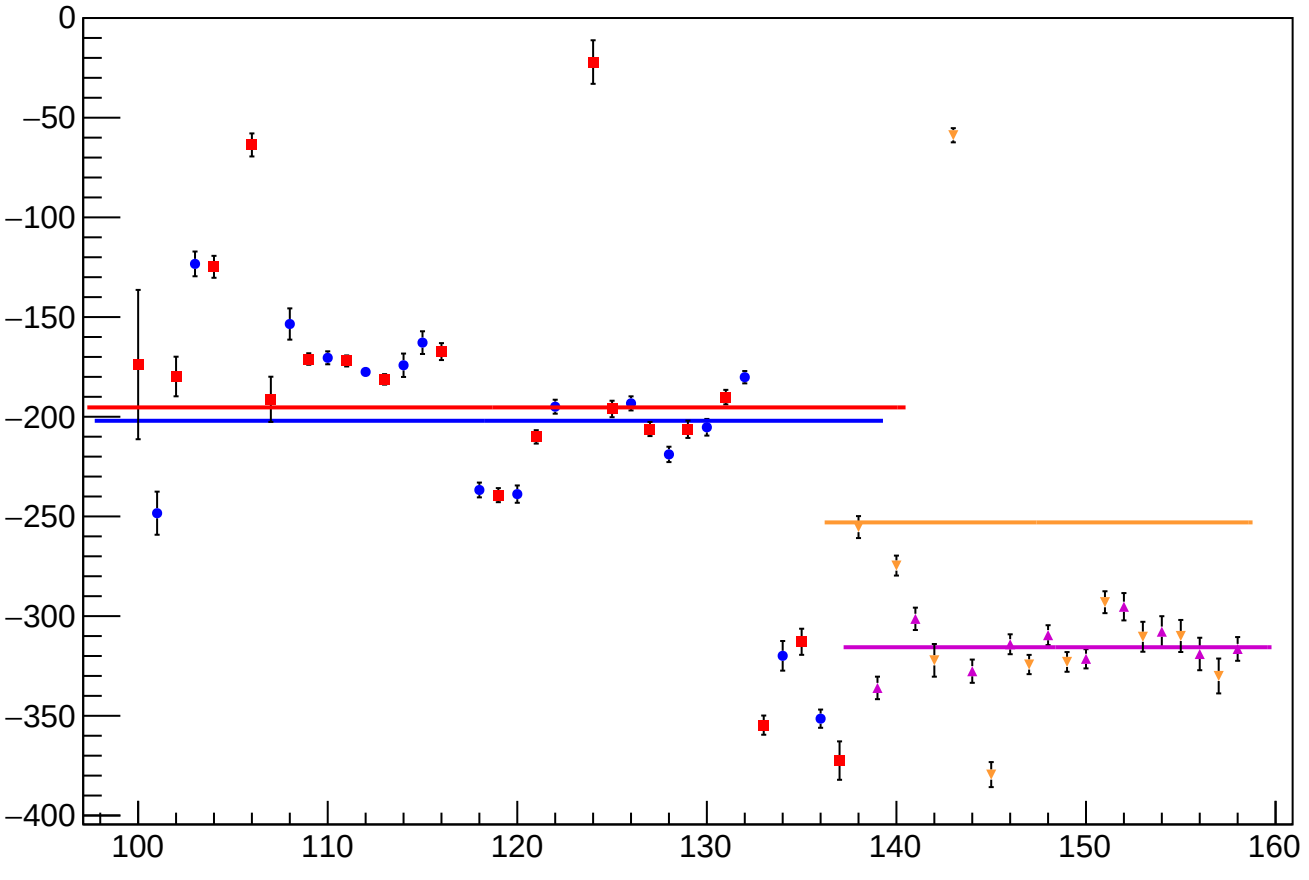
Left: 117.642+/-0.038 χ^2/NDF: 31180.9/20

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 119.515+/-0.045 χ^2/NDF:200167.8/25

Out: 110.133+/-0.045 χ^2/NDF:715561.8/29

All: 114.780+/-0.032 χ^2/NDF: 937314.4/55



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -252.997+/-1.677 χ^2/NDF:4132.2/10

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -315.604+/-1.834 χ^2/NDF:36.8/9

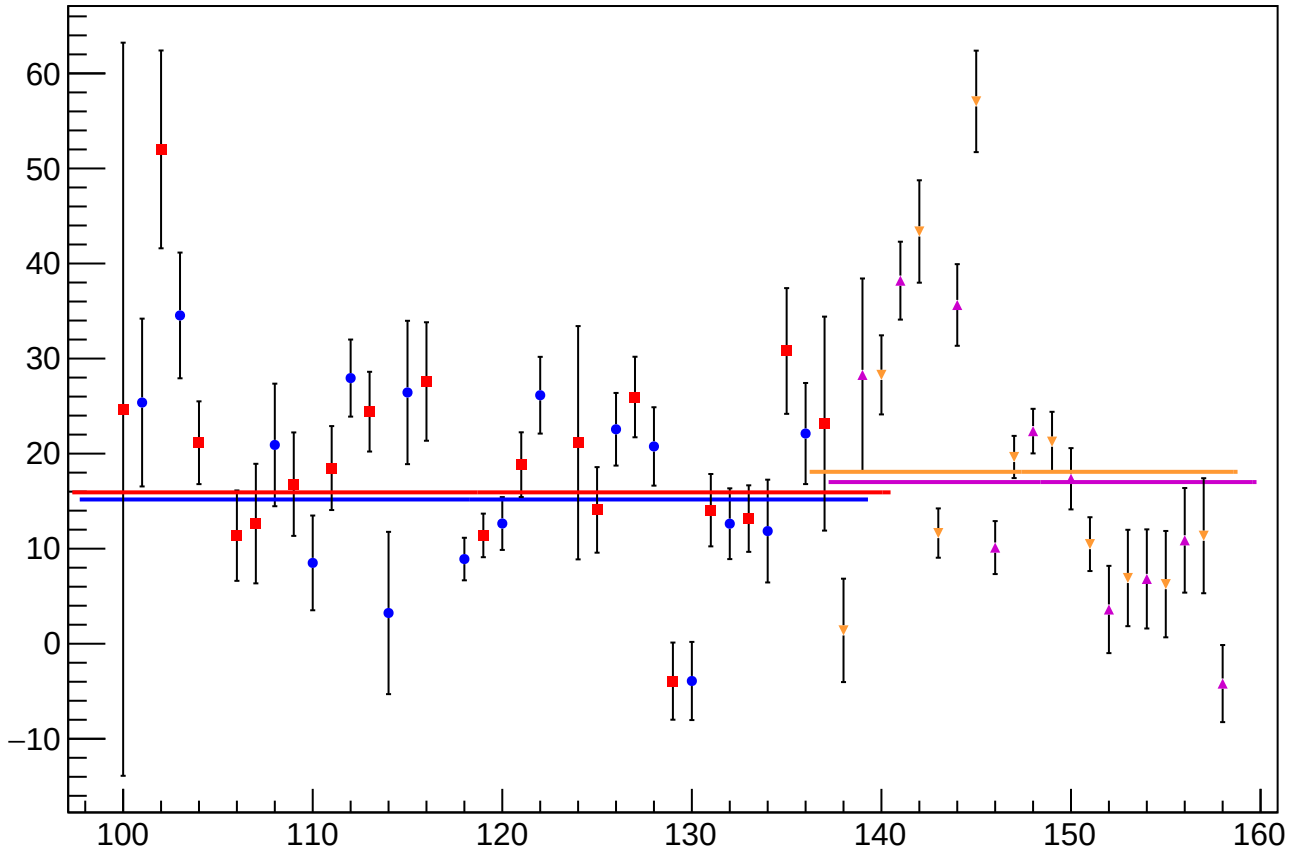
Left: -281.519+/-1.238 χ^2/NDF: 4803.6/20

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -229.022+/-0.894 χ^2/NDF:5001.7/25

Out: -209.857+/-0.842 χ^2/NDF:8117.3/29

All: -218.869+/-0.613 χ^2/NDF: 13362.4/55



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 18.085+/-1.093 χ^2/NDF:116.2/10

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 17.007+/-1.188 χ^2/NDF:99.1/9

Left: 17.591+/-0.804 χ^2/NDF: 215.7/20

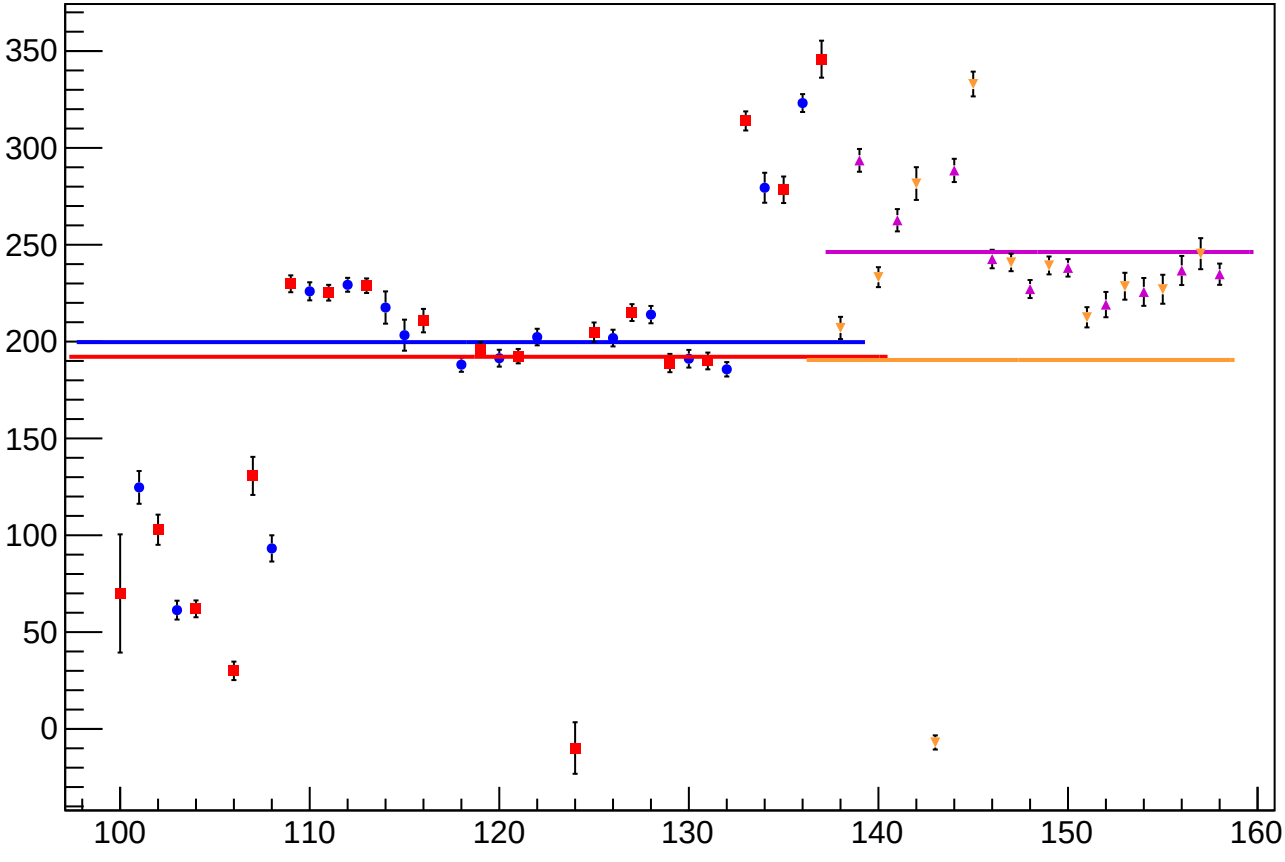
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 15.977+/-0.786 χ^2/NDF:172.7/25

Out: 16.948+/-0.752 χ^2/NDF:181.8/29

All: 16.484+/-0.543 χ^2/NDF: 355.3/55

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: 190.522+/-1.648 χ^2/NDF:3956.2/10

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 246.257+/-1.768 χ^2/NDF:174.1/9

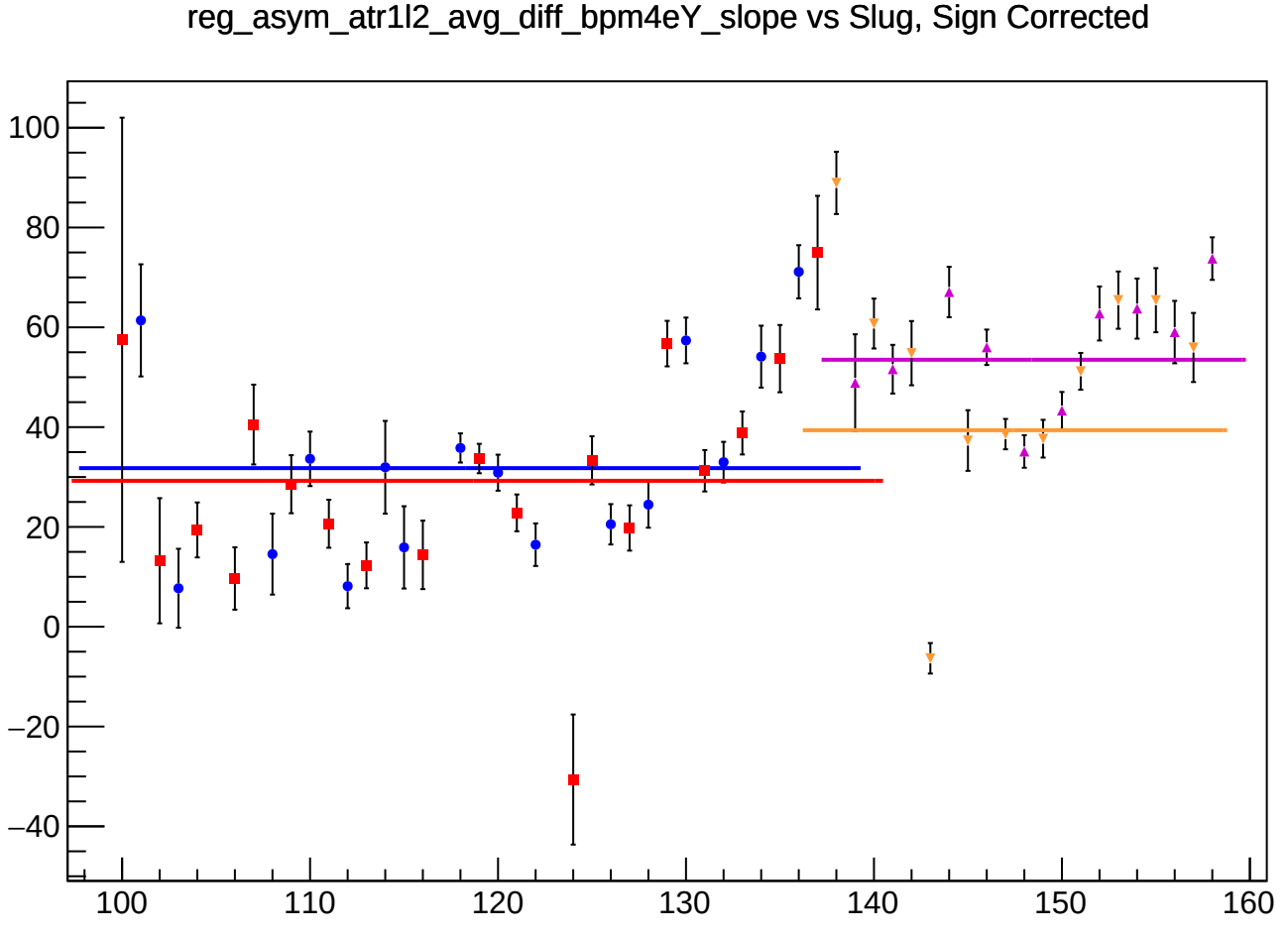
Left: 216.429+/-1.206 χ^2/NDF: 4661.9/20

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 214.323+/-0.991 χ^2/NDF:2750.9/25

Out: 191.621+/-0.943 χ^2/NDF:7734.0/29

All: 202.418+/-0.683 χ^2/NDF: 10760.3/55



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 39.378+/-1.347 χ^2/NDF:364.0/10

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 53.500+/-1.444 χ^2/NDF:76.5/9

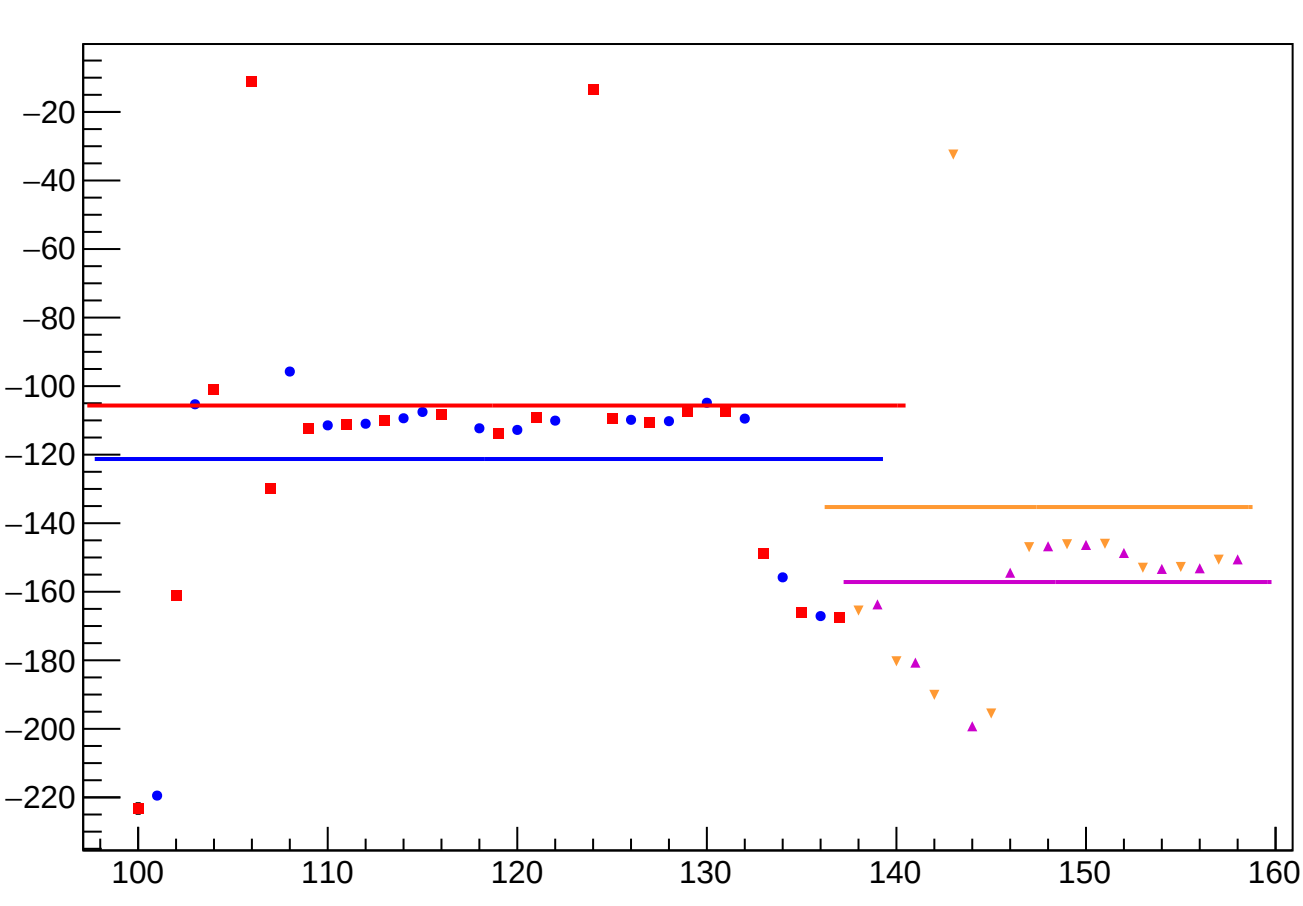
Left: 45.947+/-0.985 χ^2/NDF: 491.7/20

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 40.795+/-0.930 χ^2/NDF:385.8/25

Out: 33.713+/-0.895 χ^2/NDF:536.6/29

All: 37.115+/-0.645 χ^2/NDF: 952.4/55



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -135.282+/-0.066 χ^2/NDF:618096.0/10

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -157.162+/-0.068 χ^2/NDF:45133.4/9

Left: -145.937+/-0.047 χ^2/NDF: 716278.4/20

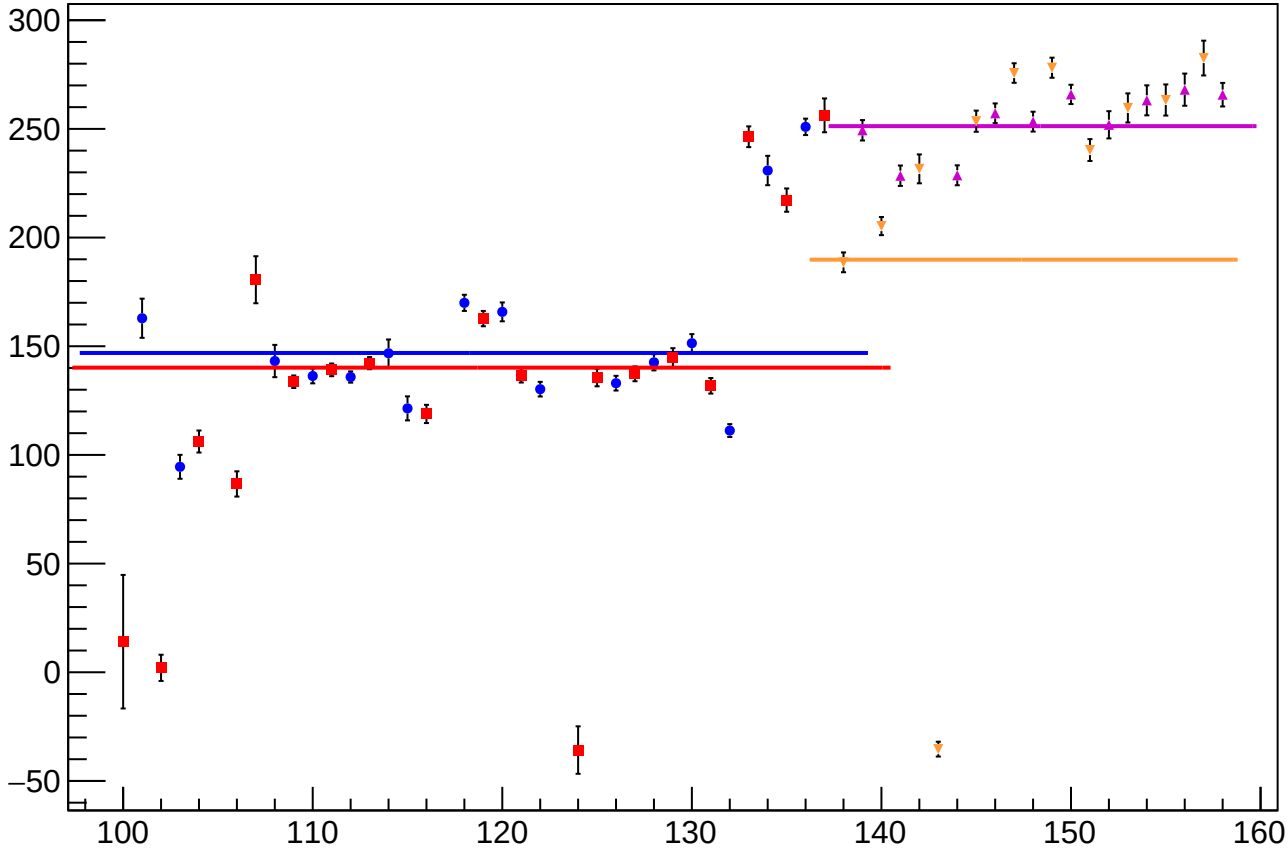
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -141.924+/-0.052 χ^2/NDF:282664.6/25

Out: -122.232+/-0.050 χ^2/NDF:1061151.6/29

All: -131.682+/-0.036 χ^2/NDF: 1419507.2/55

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 189.840+/-1.492 χ^2/NDF:5741.7/10

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 251.260+/-1.613 χ^2/NDF:76.0/9

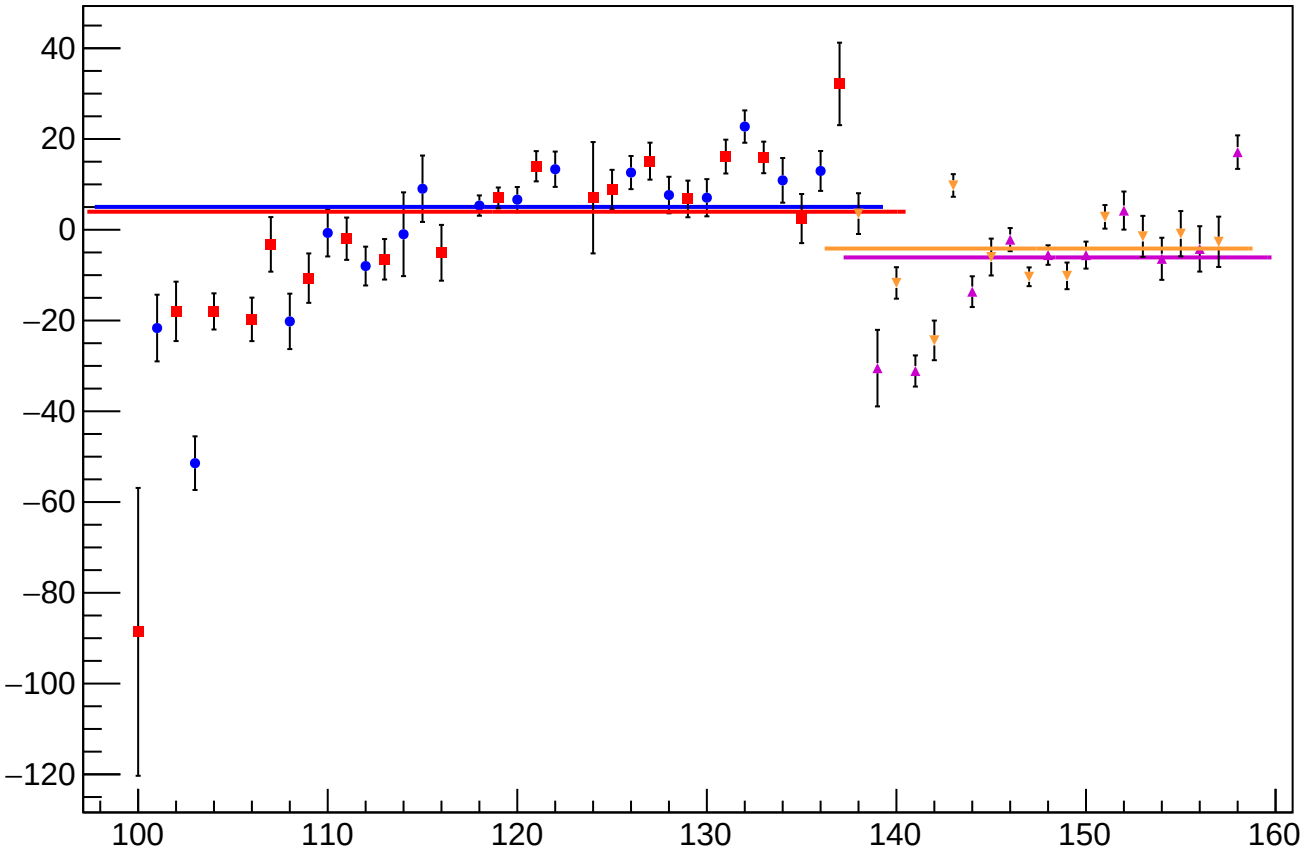
Left: 218.160+/-1.095 χ^2/NDF: 6599.1/20

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 176.016+/-0.852 χ^2/NDF:4395.9/25

Out: 154.702+/-0.807 χ^2/NDF:8476.6/29

All: 164.787+/-0.586 χ^2/NDF: 13202.3/55



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.136+/-0.987 χ^2/NDF:81.8/10

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -6.094+/-1.063 χ^2/NDF:114.5/9

Left: -5.043+/-0.723 χ^2/NDF: 198.2/20

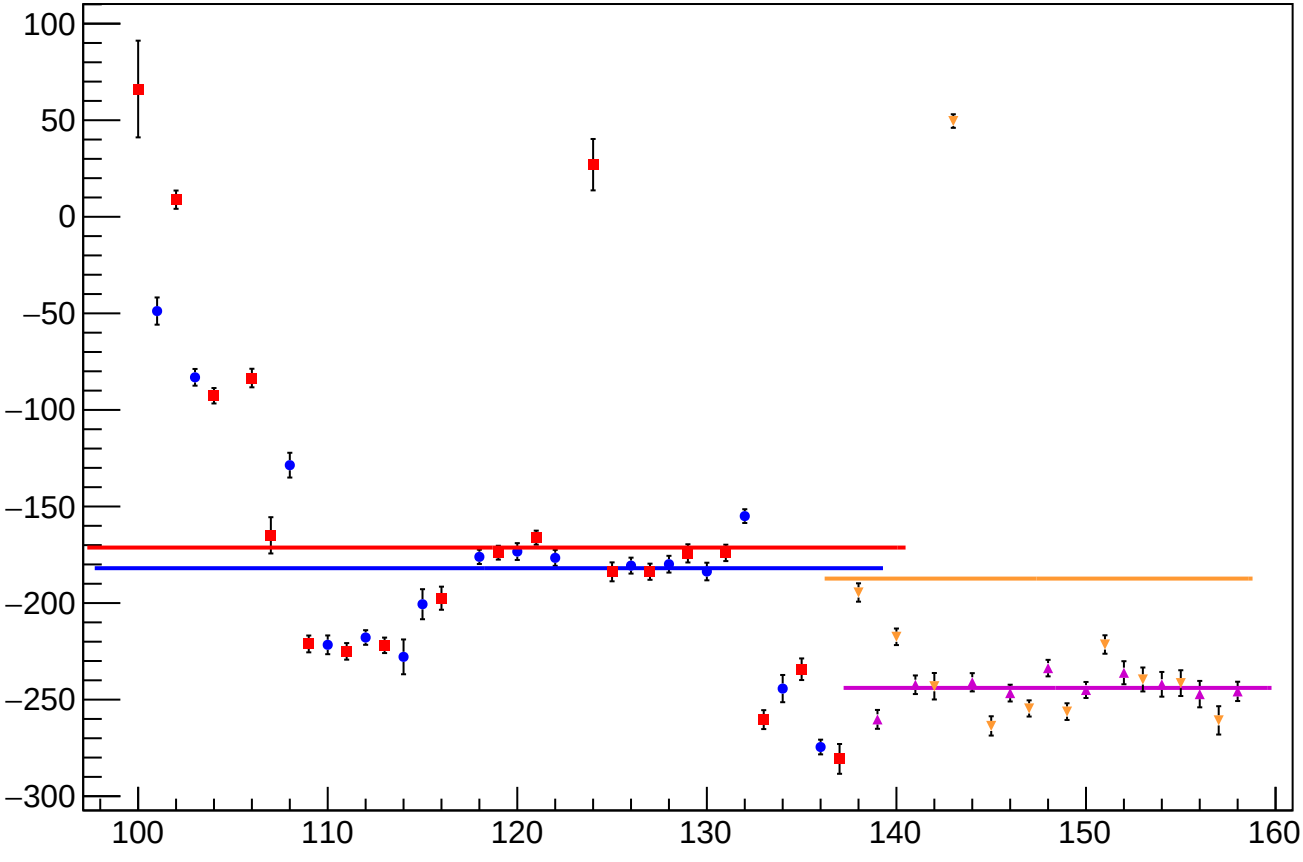
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: -0.305+/-0.736 χ^2/NDF:343.5/25

Out: -0.182+/-0.707 χ^2/NDF:259.6/29

All: -0.241+/-0.510 χ^2/NDF: 603.1/55

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -187.328+/-1.471 χ^2/NDF:5689.1/10

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -243.931+/-1.563 χ^2/NDF:20.0/9

Left: -213.916+/-1.071 χ^2/NDF: 6404.8/20

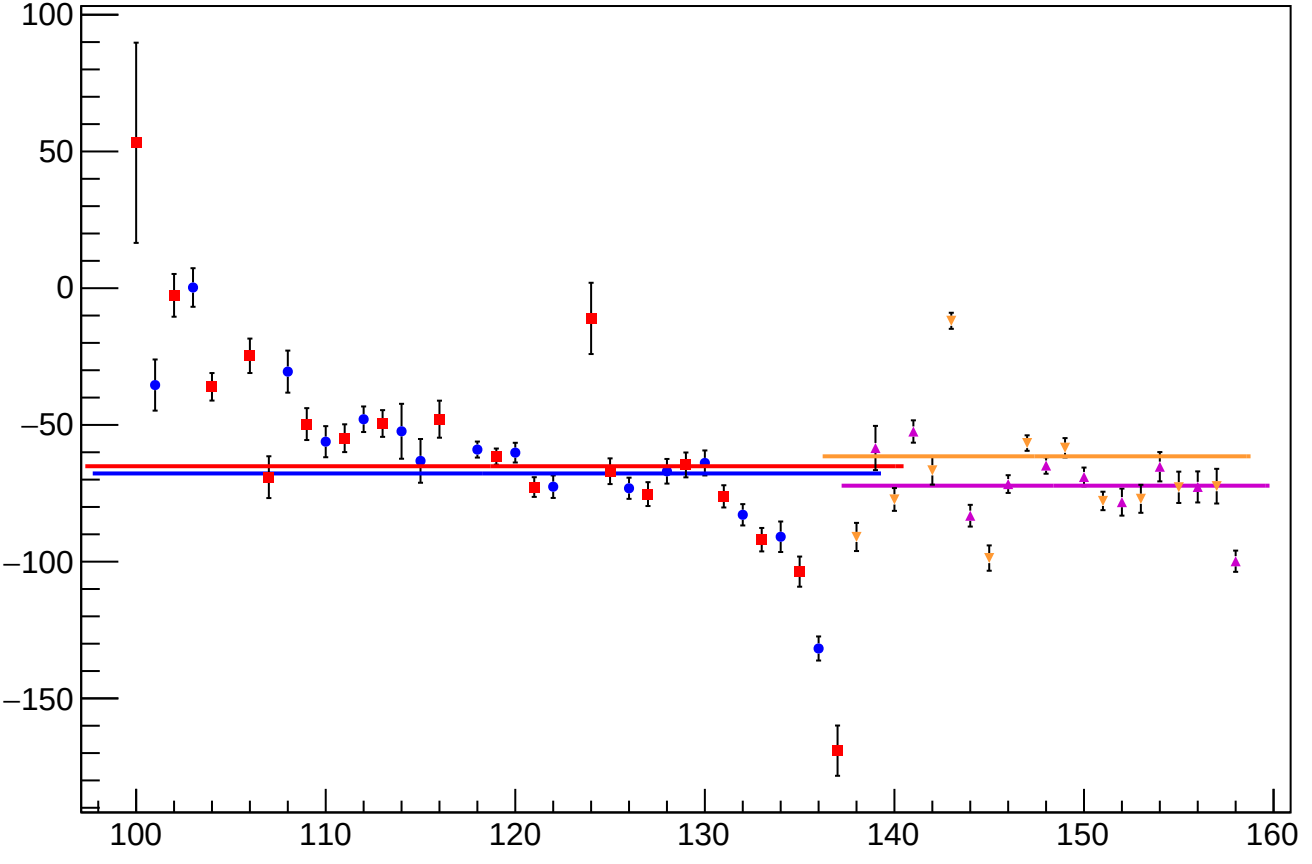
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -203.821+/-0.928 χ^2/NDF:2908.6/25

Out: -177.099+/-0.887 χ^2/NDF:9393.2/29

All: -189.846+/-0.641 χ^2/NDF: 12735.2/55

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -61.478+/-1.212 χ^2/NDF:440.0/10

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -72.218+/-1.288 χ^2/NDF:94.7/9

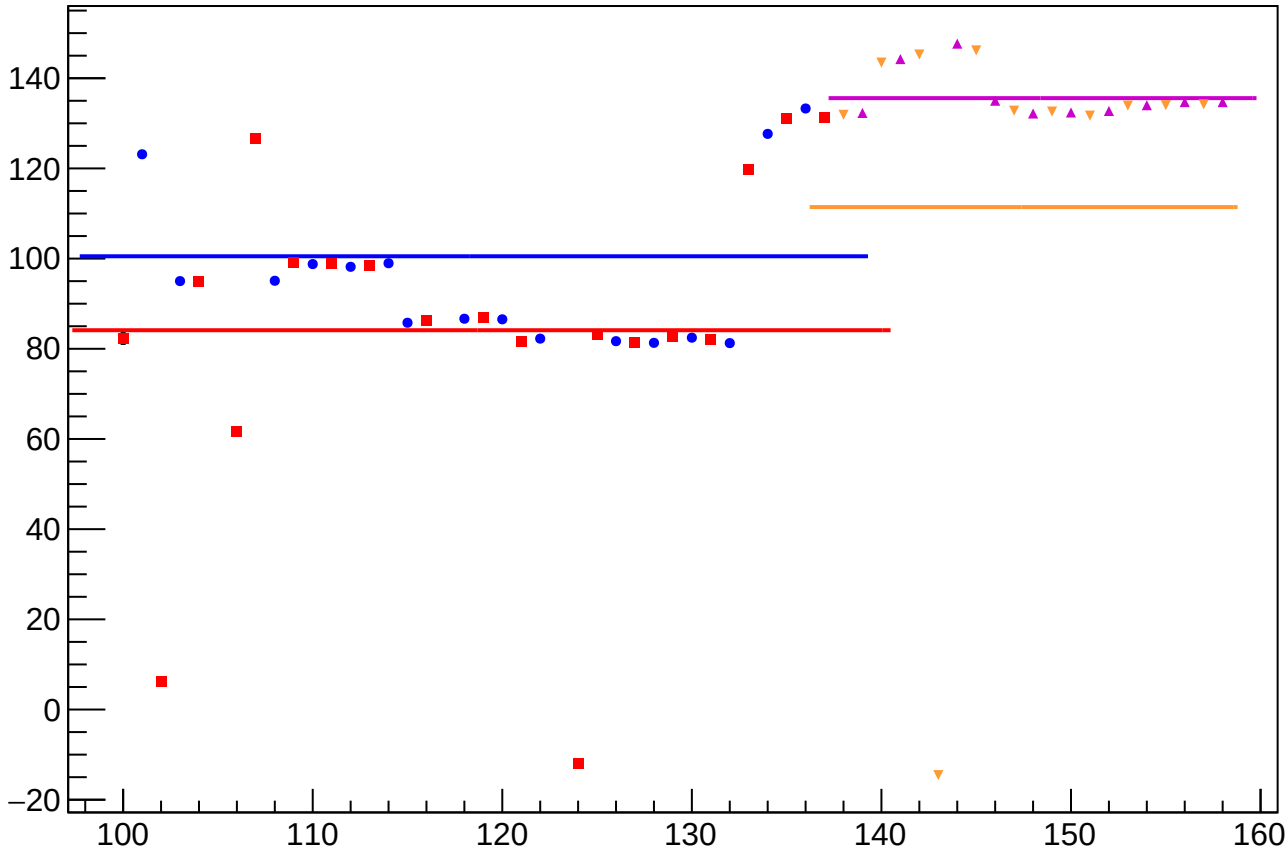
Left: -66.524+/-0.883 χ^2/NDF: 571.6/20

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -69.788+/-0.870 χ^2/NDF:515.3/25

Out: -63.362+/-0.841 χ^2/NDF:873.7/29

All: -66.463+/-0.605 χ^2/NDF: 1417.2/55



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 111.425+/-0.059 χ^2/NDF:898048.1/10

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 135.585+/-0.060 χ^2/NDF:6571.0/9

Left: 123.274+/-0.042 χ^2/NDF: 986492.3/20

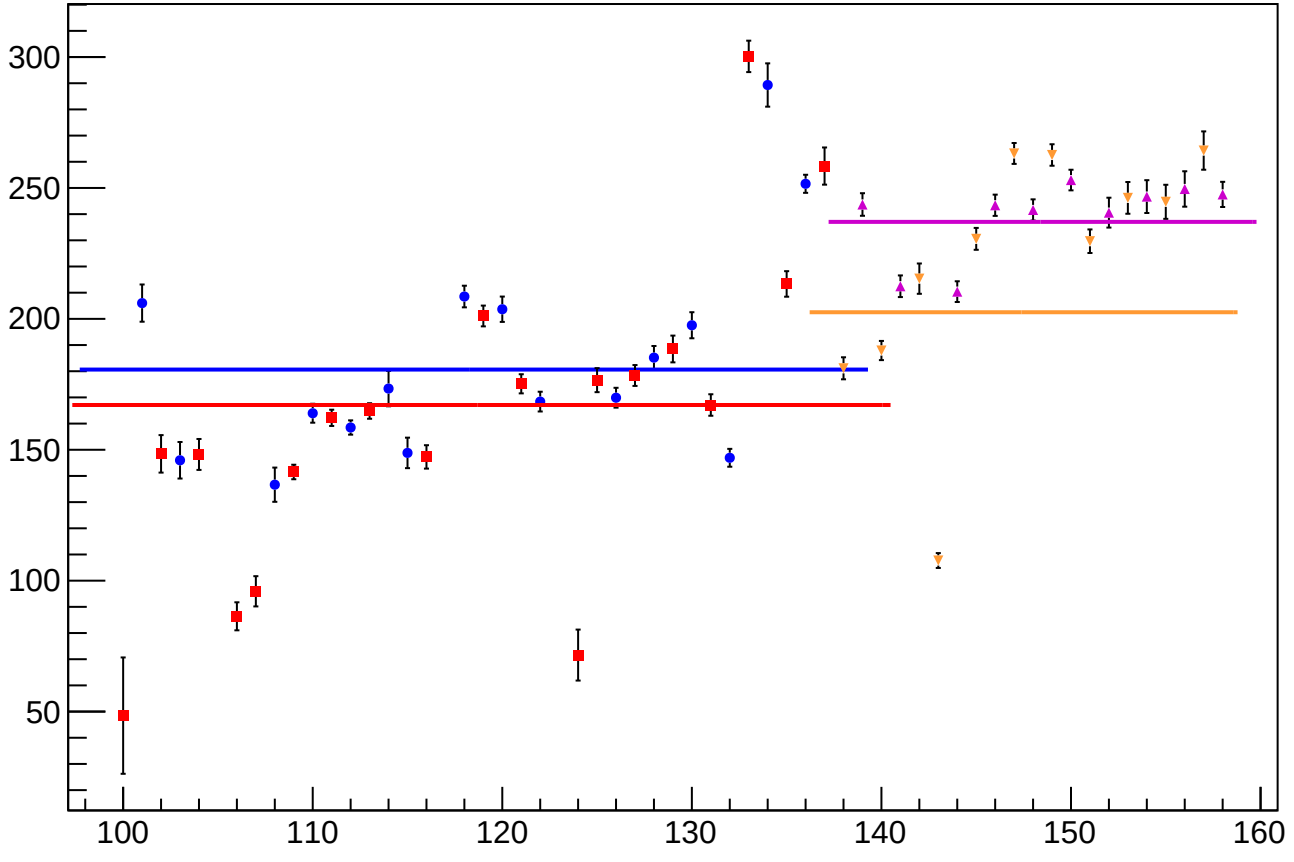
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 121.591+/-0.047 χ^2/NDF:209124.7/25

Out: 99.902+/-0.045 χ^2/NDF:1251846.3/29

All: 110.329+/-0.032 χ^2/NDF: 1572869.7/55

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: 202.530+/-1.310 χ^2/NDF:1852.1/10

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

Left: 218.183+/-0.968 χ^2/NDF: 2281.2/20

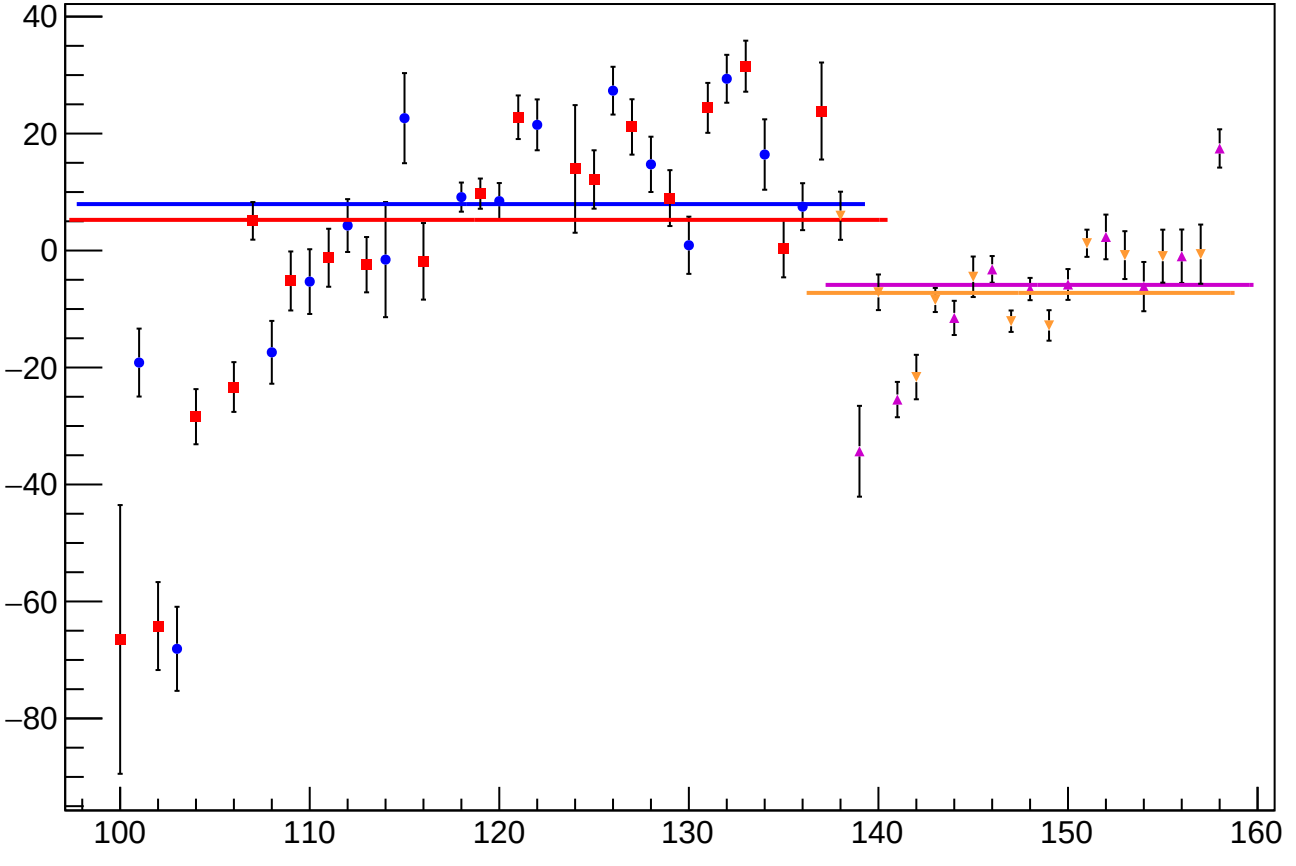
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.215+/-0.868 χ^2/NDF:2085.4/25

Out: 180.490+/-0.805 χ^2/NDF:3791.8/29

All: 190.070+/-0.590 χ^2/NDF: 6183.5/55

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: -7.242+/-0.866 χ^2/NDF:56.6/10

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

Left: -6.616+/-0.638 χ^2/NDF: 175.0/20

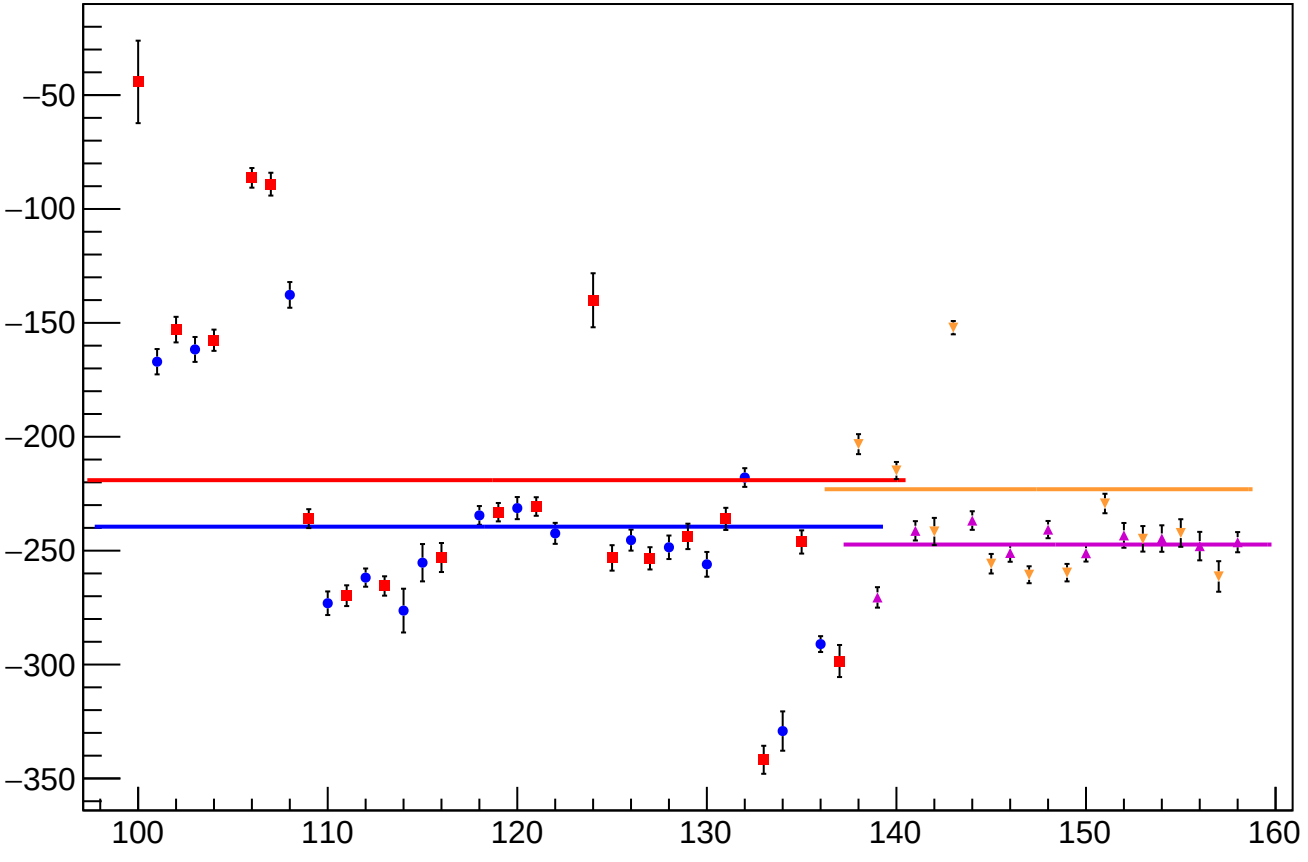
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.091+/-0.720 χ^2/NDF:439.7/25

Out: -2.254+/-0.671 χ^2/NDF:442.5/29

All: -1.248+/-0.491 χ^2/NDF: 887.0/55

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.032+/-1.293 χ^2/NDF:934.7/10

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

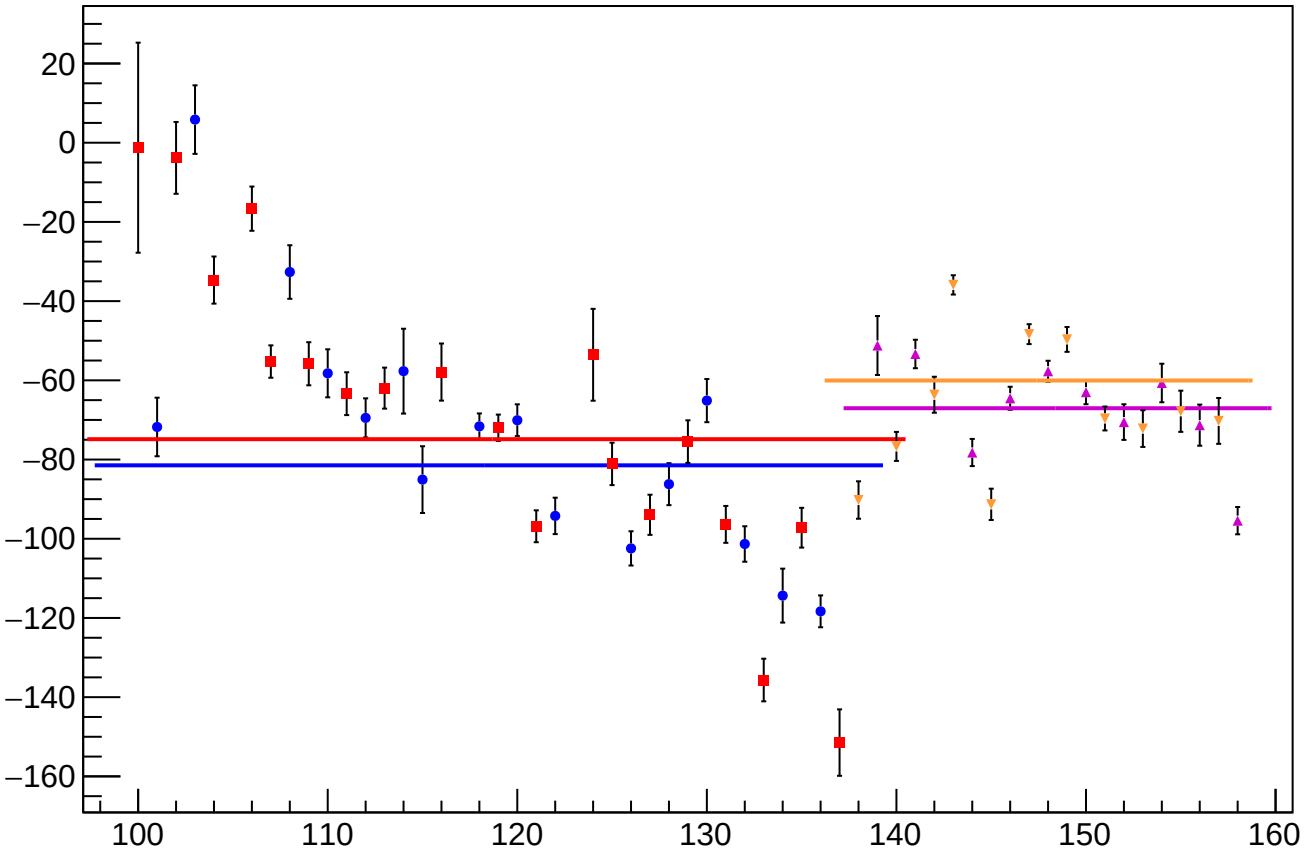
Left: -234.269+/-0.948 χ^2/NDF: 1139.0/20

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.952+/-0.928 χ^2/NDF:1221.0/25

Out: -220.855+/-0.870 χ^2/NDF:3989.1/29

All: -231.187+/-0.635 χ^2/NDF: 5511.7/55



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -60.044+/-1.064 χ^2/NDF:277.6/10

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

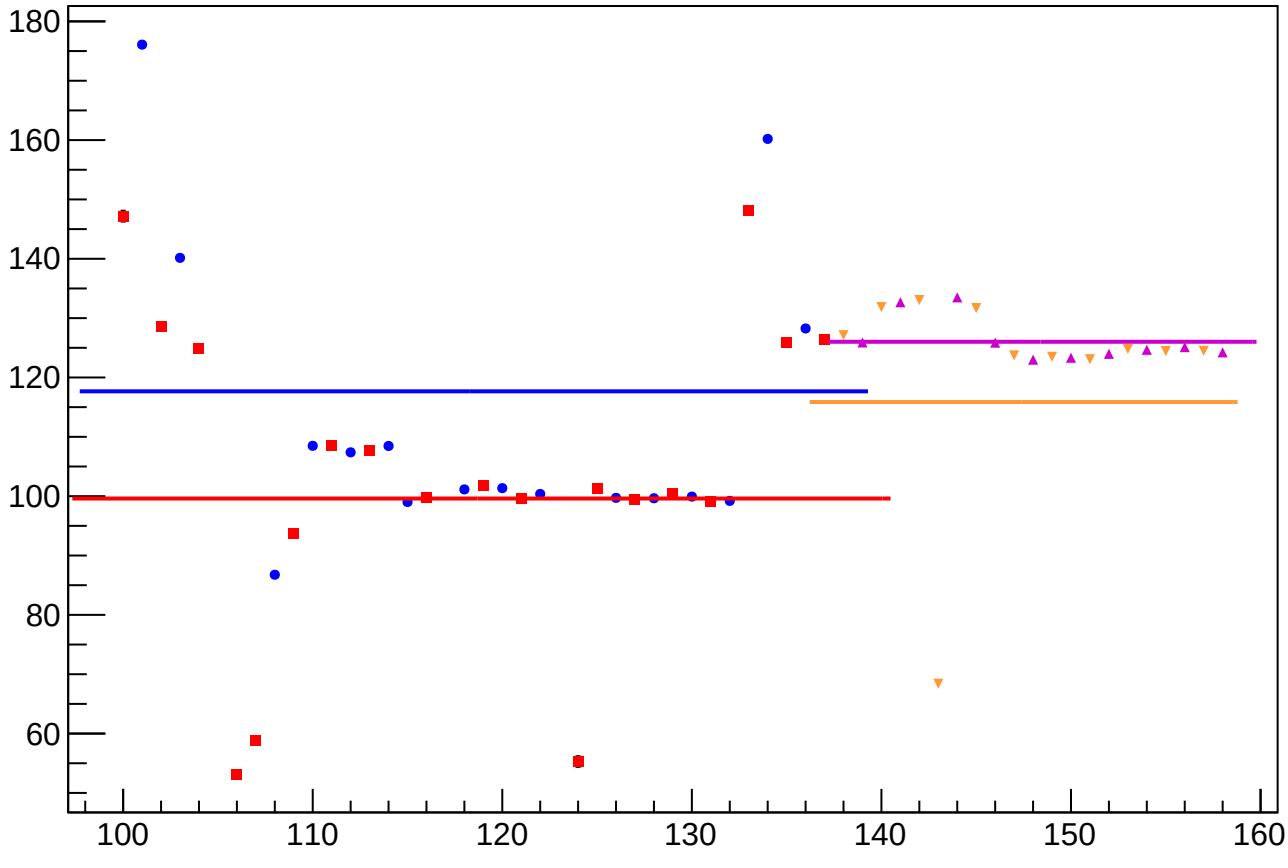
Left: -63.286+/-0.780 χ^2/NDF: 413.3/20

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.416+/-0.856 χ^2/NDF:552.1/25

Out: -66.386+/-0.805 χ^2/NDF:937.2/29

All: -69.687+/-0.586 χ^2/NDF: 1525.2/55



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.872+/-0.052 χ^2/NDF:190704.1/10

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

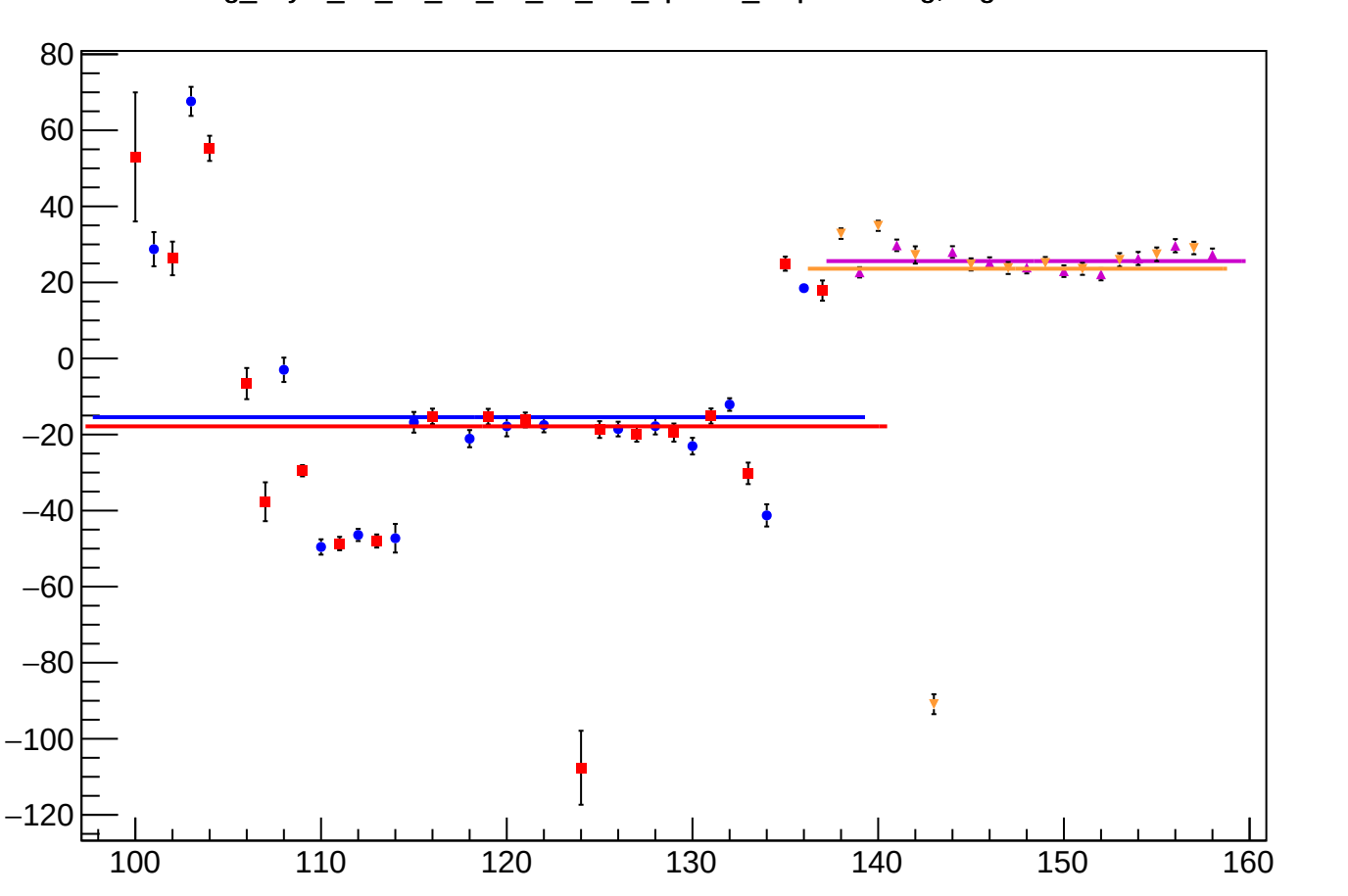
Left: 120.781+/-0.037 χ^2/NDF: 213170.2/20

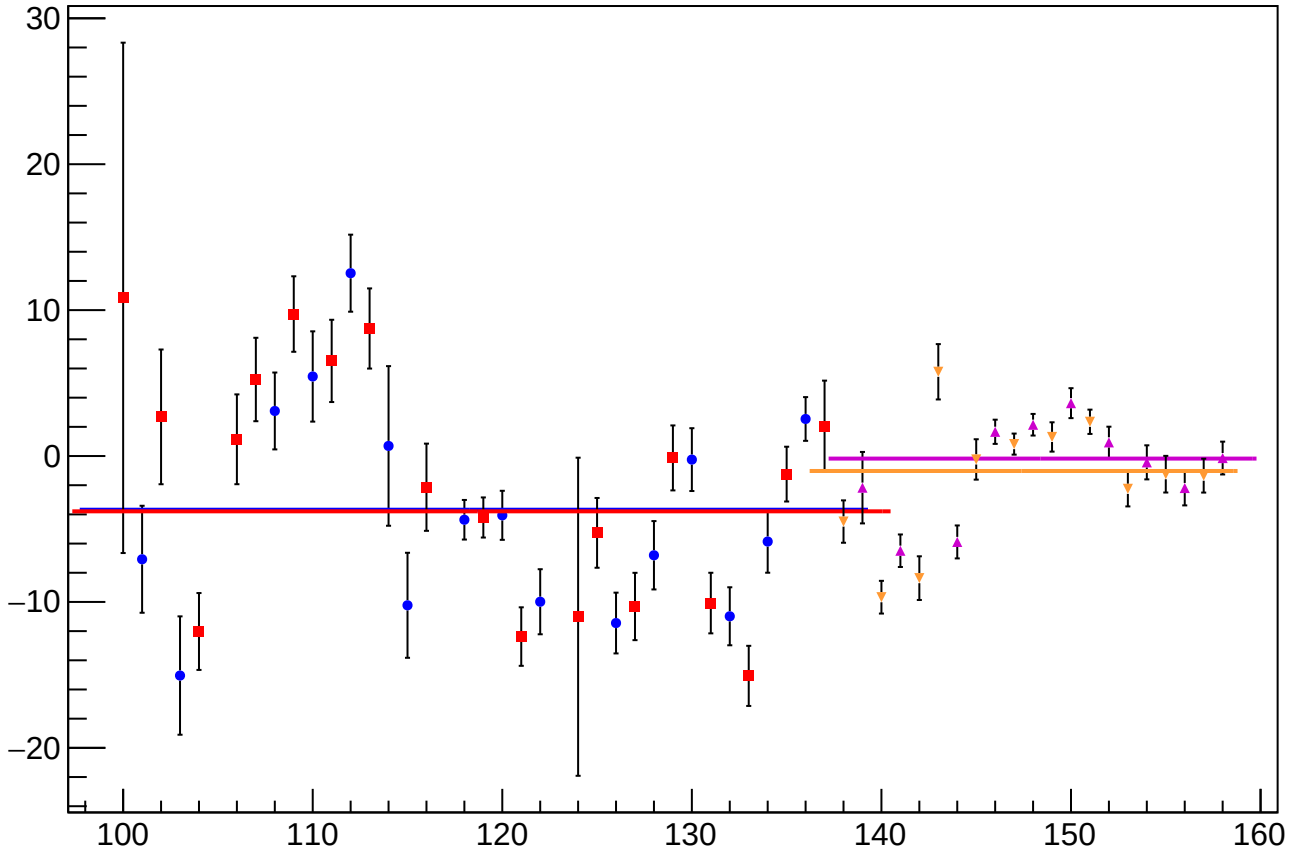
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.331+/-0.044 χ^2/NDF:107295.0/25

Out: 110.094+/-0.042 χ^2/NDF:391467.7/29

All: 116.332+/-0.030 χ^2/NDF: 545794.7/55


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 23.610+/-0.499 χ²/NDF:2057.7/10
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.611+/-0.492 χ²/NDF:30.2/9
Left: 24.625+/-0.351 χ²/NDF: 2096.0/20
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 6.949+/-0.363 χ²/NDF:5317.1/25
Out: 4.098+/-0.363 χ²/NDF:7426.4/29
All: 5.523+/-0.257 χ²/NDF: 12774.2/55



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.025+/-0.335 χ^2/NDF:131.9/10

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.175+/-0.332 χ^2/NDF:90.7/9

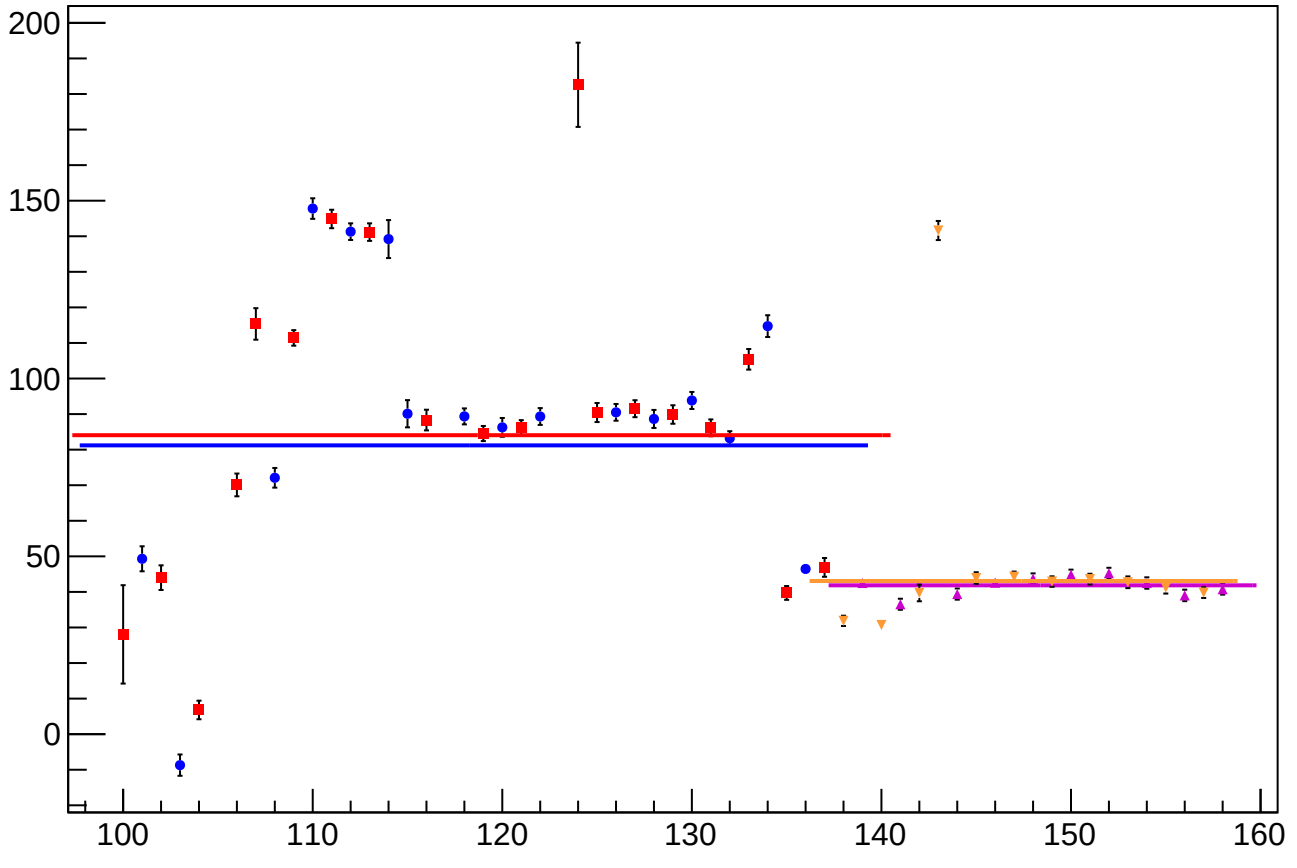
Left: -0.597+/-0.236 χ^2/NDF: 225.9/20

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.106+/-0.284 χ^2/NDF:244.3/25

Out: -1.745+/-0.288 χ^2/NDF:310.9/29

All: -1.422+/-0.202 χ^2/NDF: 557.7/55



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.070+/-0.486 χ^2/NDF:1494.8/10

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.853+/-0.476 χ^2/NDF:29.5/9

Left: 42.448+/-0.340 χ^2/NDF: 1527.5/20

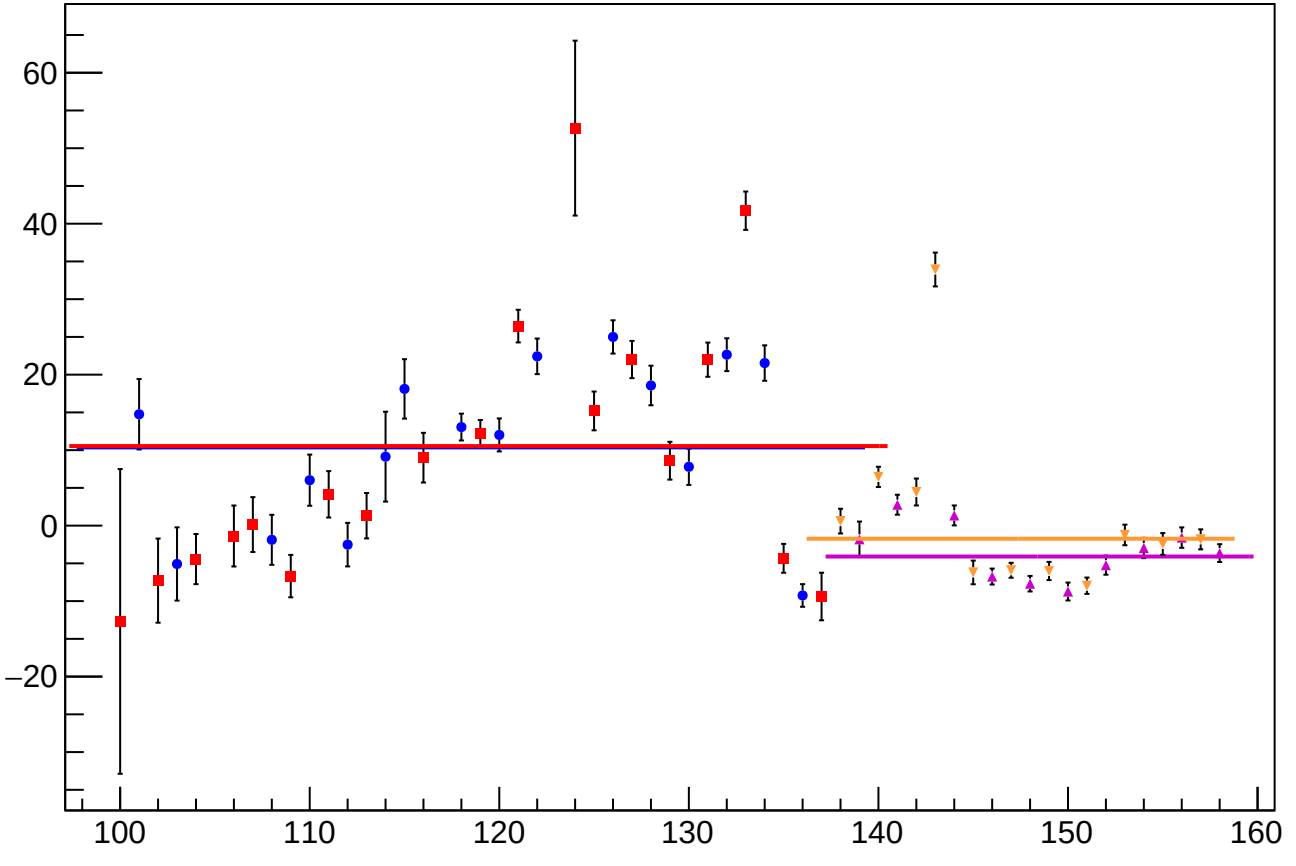
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 56.830+/-0.375 χ^2/NDF:5862.5/25

Out: 58.796+/-0.382 χ^2/NDF:7428.9/29

All: 57.794+/-0.267 χ^2/NDF: 13305.0/55

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.736+/-0.408 χ^2/NDF:376.7/10

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.094+/-0.398 χ^2/NDF:83.8/9

Left: -2.945+/-0.285 χ^2/NDF: 477.5/20

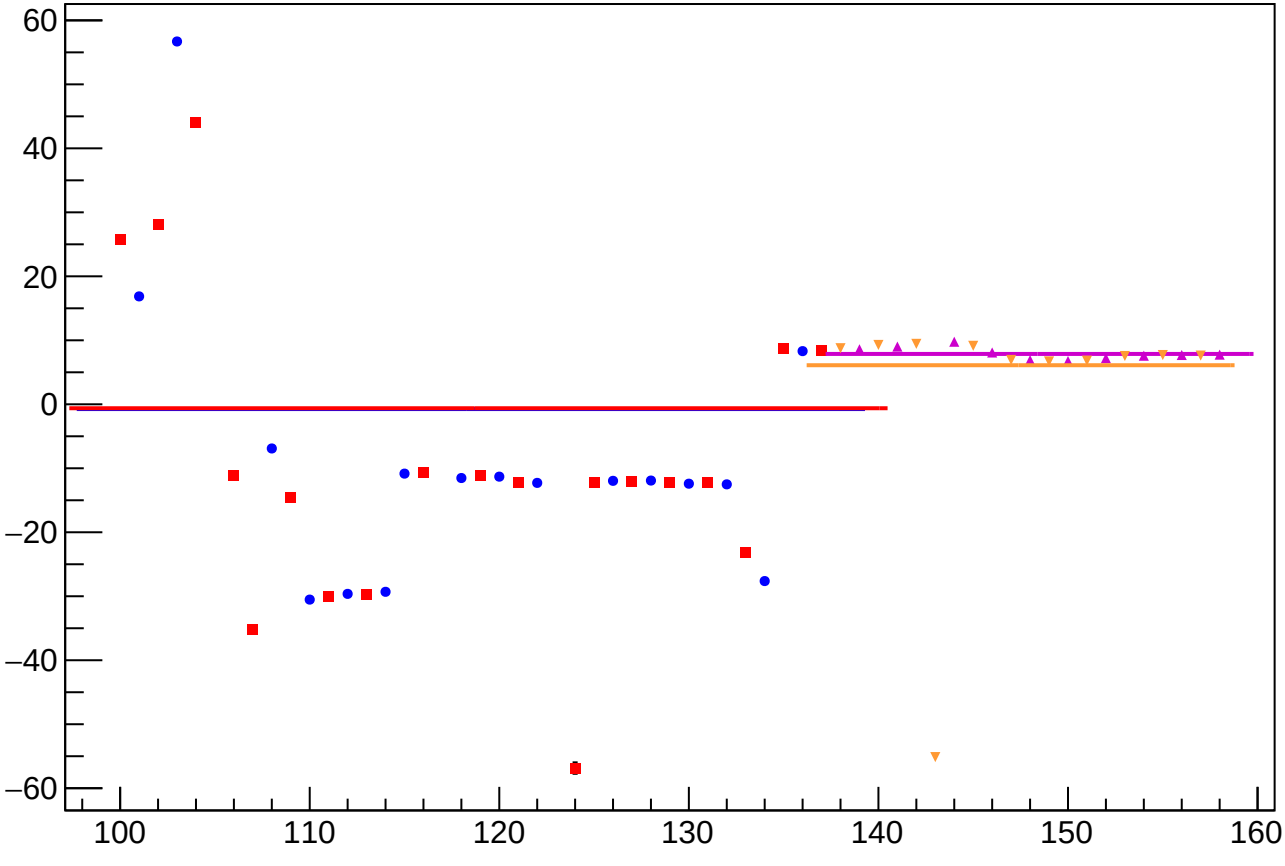
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.063+/-0.336 χ^2/NDF:823.2/25

Out: 1.811+/-0.344 χ^2/NDF:1108.8/29

All: 0.916+/-0.240 χ^2/NDF: 1945.2/55

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: 6.105+/-0.019 χ^2/NDF:311406.5/10

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.869+/-0.018 χ^2/NDF:2109.4/9

Left: 7.027+/-0.013 χ^2/NDF: 318135.5/20

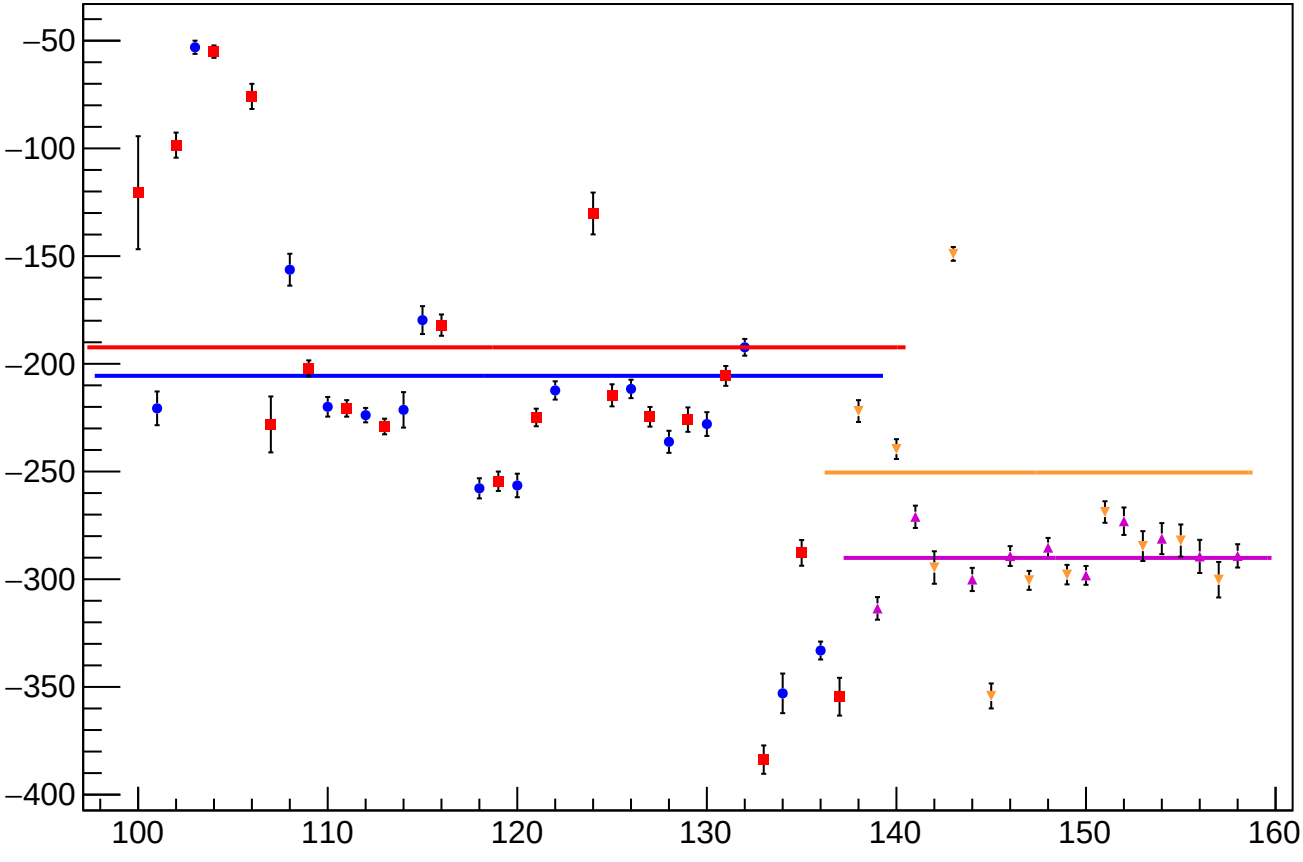
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.148+/-0.016 χ^2/NDF:416222.5/25

Out: 4.749+/-0.017 χ^2/NDF:653789.5/29

All: 5.479+/-0.012 χ^2/NDF: 1073646.0/55

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -250.471+/-1.535 χ^2/NDF:1722.4/10

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -290.102+/-1.686 χ^2/NDF:50.3/9

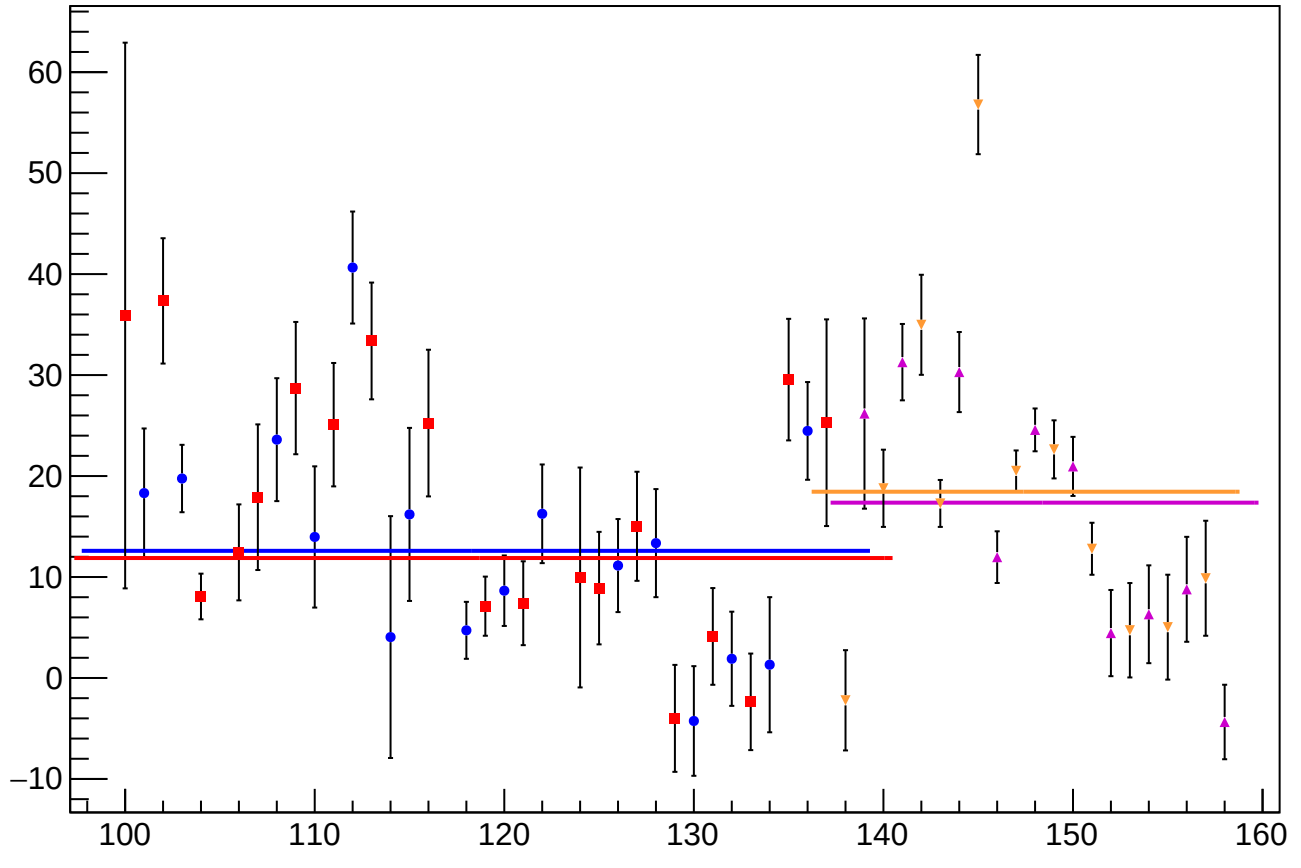
Left: -268.431+/-1.135 χ^2/NDF: 2074.8/20

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

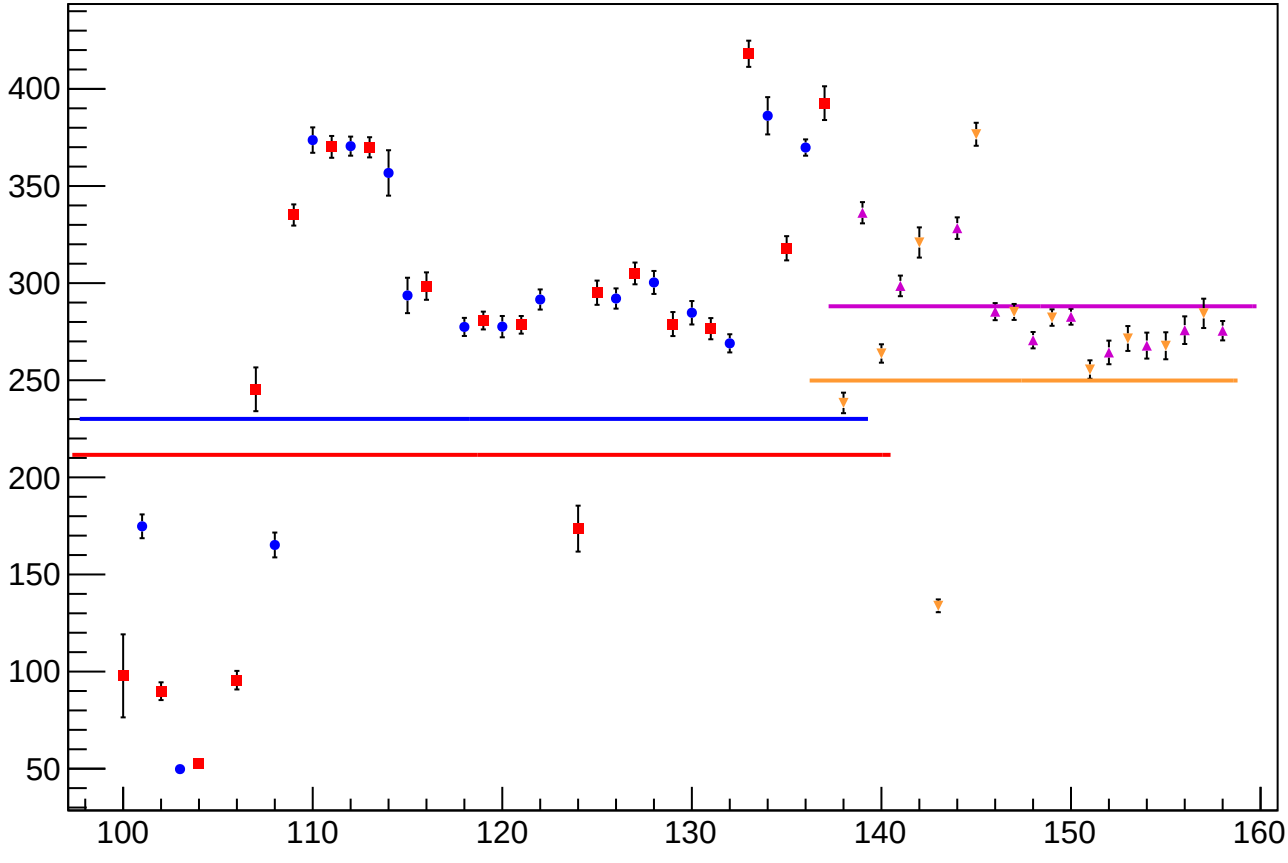
In: -233.514+/-0.969 χ^2/NDF:5788.7/25

Out: -212.598+/-0.906 χ^2/NDF:7626.5/29

All: -222.351+/-0.662 χ^2/NDF: 13663.7/55


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 18.448+/-0.997 χ²/NDF:115.0/10
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 17.364+/-1.088 χ²/NDF:94.3/9
Left: 17.953+/-0.735 χ²/NDF: 209.9/20
Right: 12.211+/-0.820 χ²/NDF: 153.6/34
In: 15.216+/-0.807 χ²/NDF:171.5/25
Out: 15.548+/-0.745 χ²/NDF:219.1/29
All: 15.395+/-0.547 χ²/NDF: 390.7/55

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: 249.854+/-1.508 χ^2/NDF:1964.7/10

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 288.082+/-1.625 χ^2/NDF:187.2/9

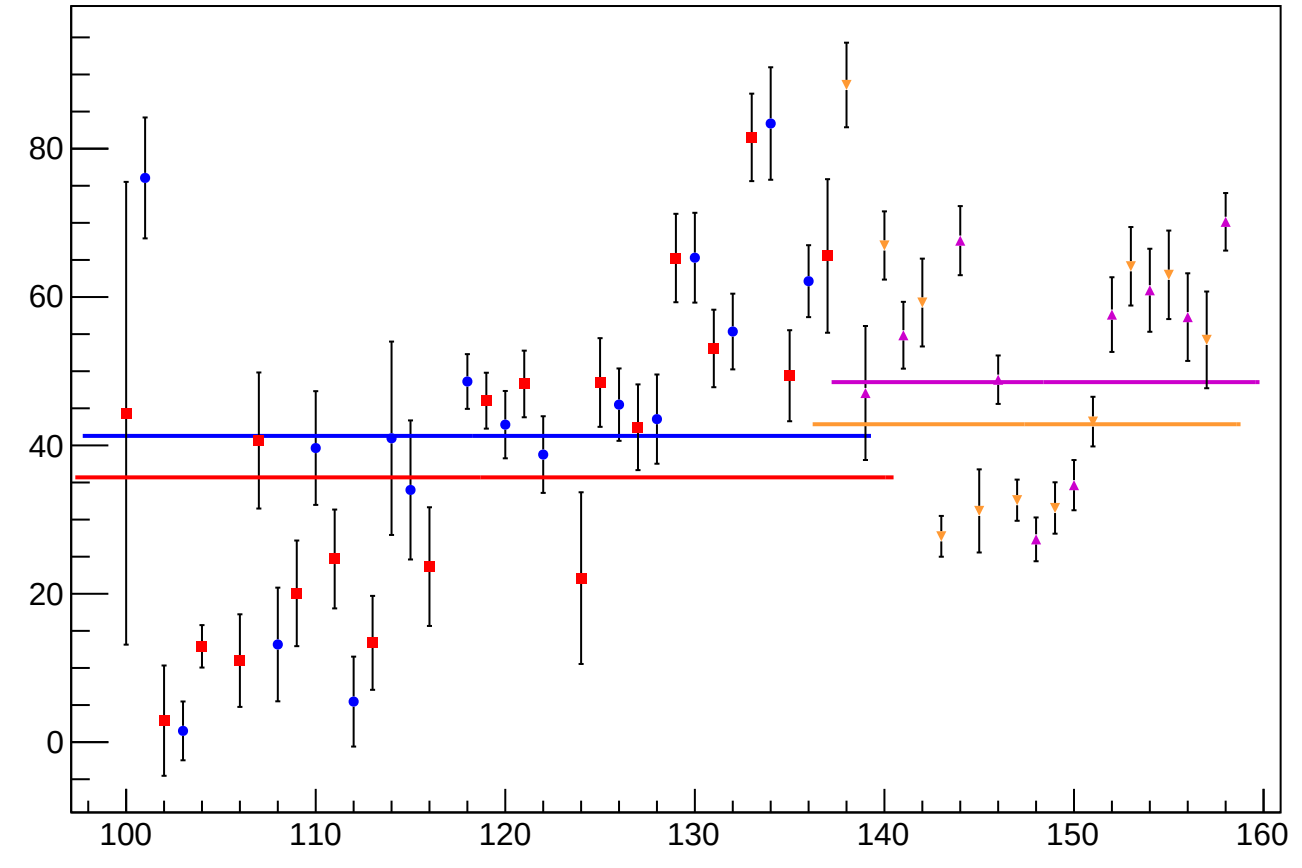
Left: 267.545+/-1.106 χ^2/NDF: 2449.1/20

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 251.855+/-0.996 χ^2/NDF:10358.1/25

Out: 226.348+/-0.937 χ^2/NDF:13832.2/29

All: 238.327+/-0.682 χ^2/NDF: 24538.4/55



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 42.853+/-1.230 χ^2/NDF:188.9/10

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 48.530+/-1.324 χ^2/NDF:128.6/9

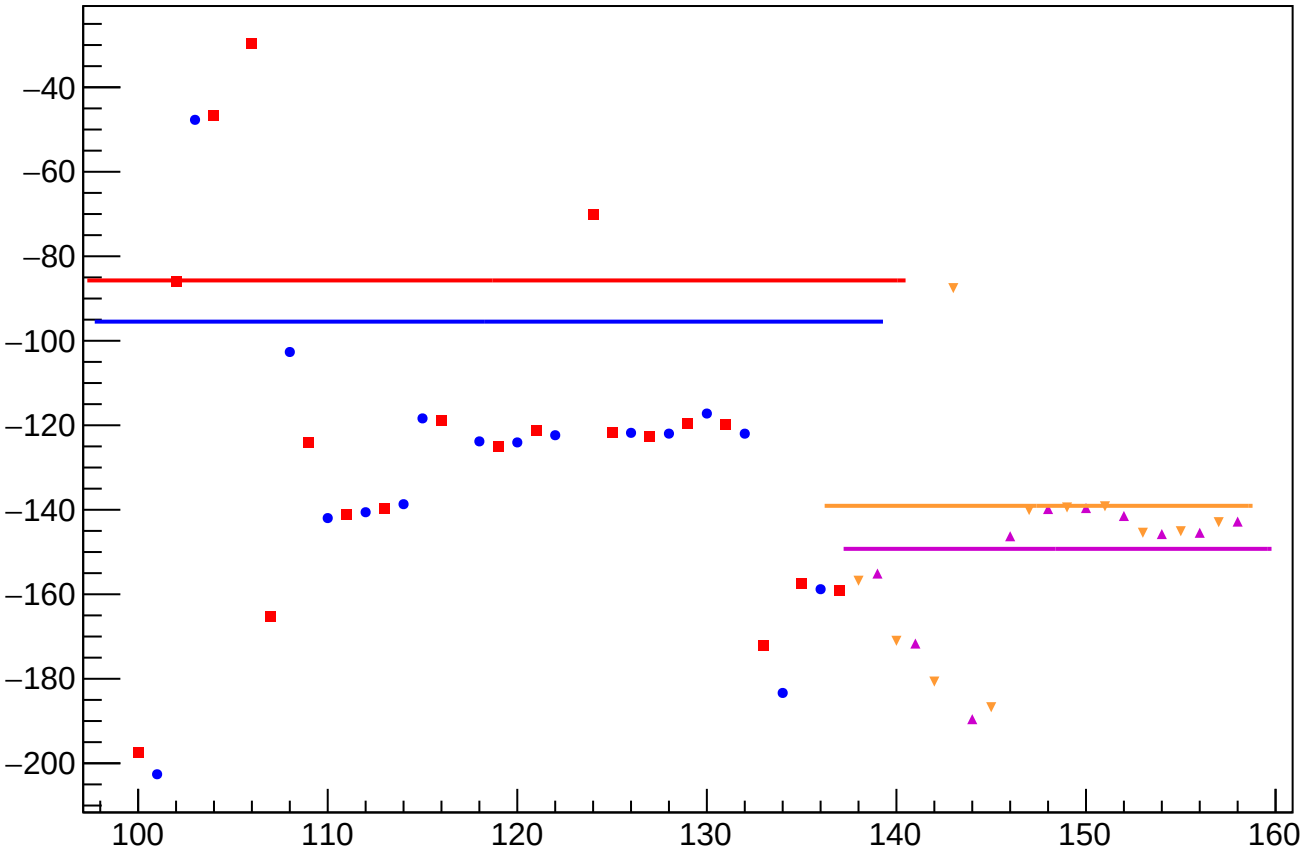
Left: 45.483+/-0.901 χ^2/NDF: 327.3/20

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 45.100+/-0.961 χ^2/NDF:388.5/25

Out: 39.515+/-0.899 χ^2/NDF:457.9/29

All: 42.121+/-0.657 χ^2/NDF: 864.4/55



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.063+/-0.061 χ^2/NDF:230449.3/10

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -149.247+/-0.063 χ^2/NDF:47609.2/9

Left: -144.008+/-0.044 χ^2/NDF: 291667.3/20

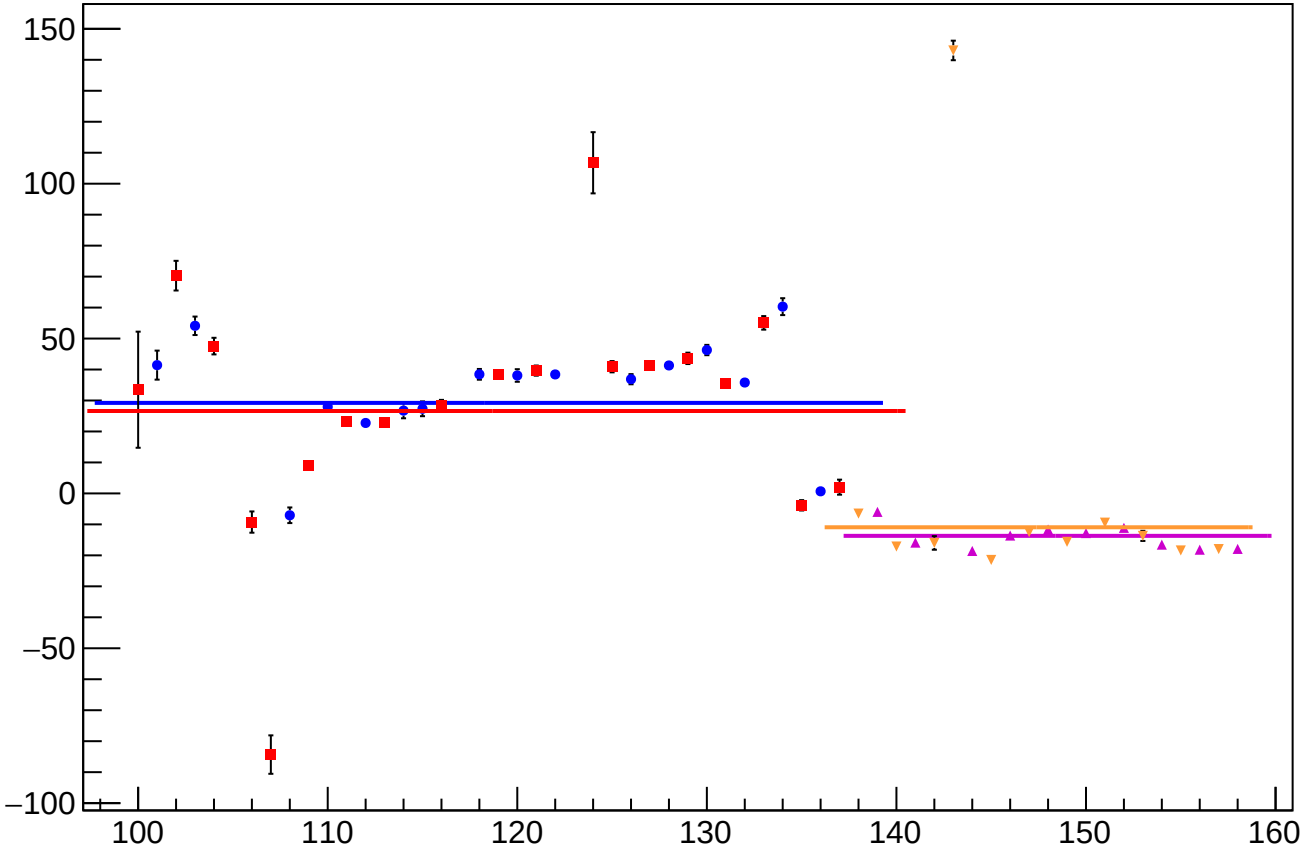
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -125.135+/-0.047 χ^2/NDF:898323.6/25

Out: -114.938+/-0.045 χ^2/NDF:1060844.6/29

All: -119.871+/-0.032 χ^2/NDF: 1983986.4/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -10.933+/-0.467 χ^2/NDF:2525.3/10

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.700+/-0.457 χ^2/NDF:76.8/9

Left: -12.346+/-0.327 χ^2/NDF: 2620.0/20

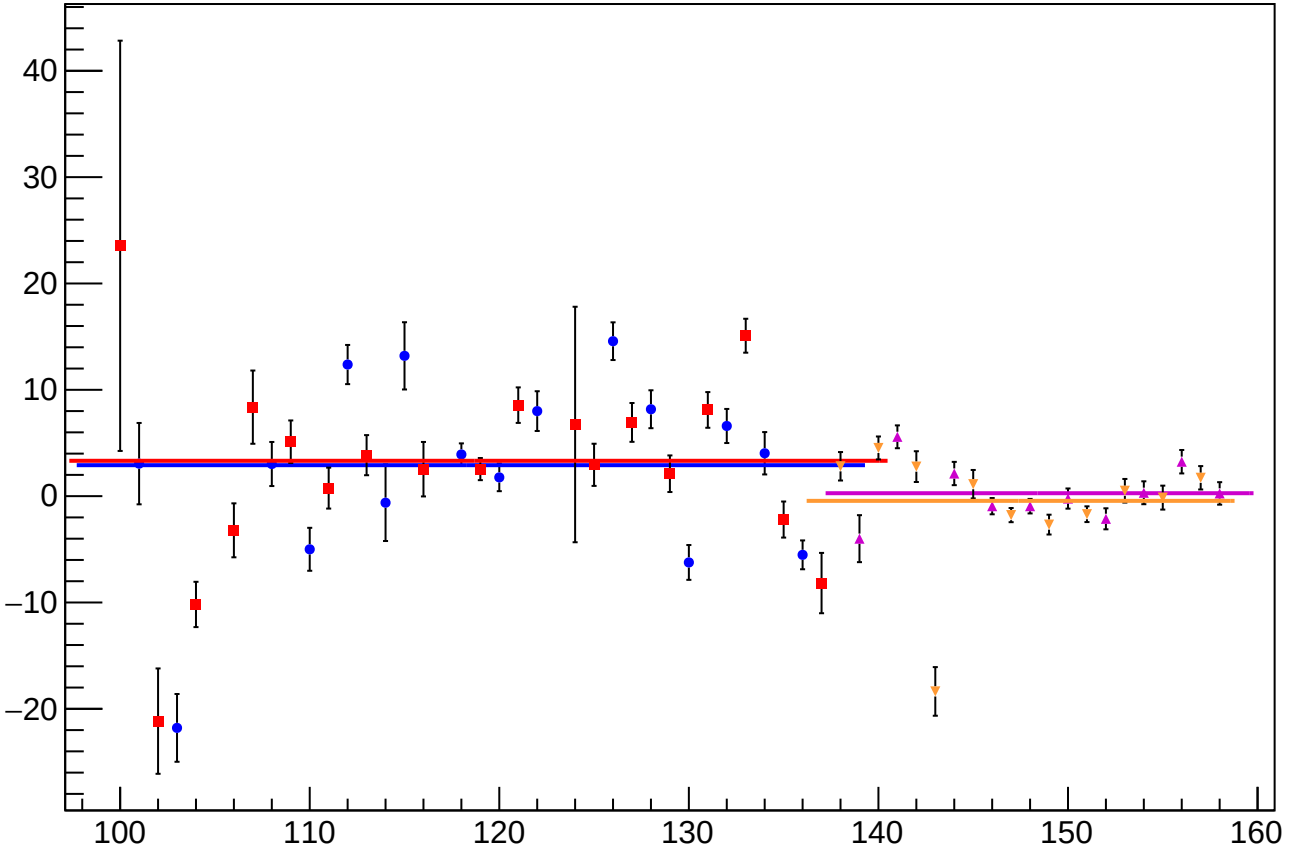
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 9.378+/-0.311 χ^2/NDF:6153.9/25

Out: 10.097+/-0.310 χ^2/NDF:8061.1/29

All: 9.739+/-0.220 χ^2/NDF: 14217.7/55

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.442+/-0.312 χ^2/NDF:112.2/10

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.277+/-0.309 χ^2/NDF:50.2/9

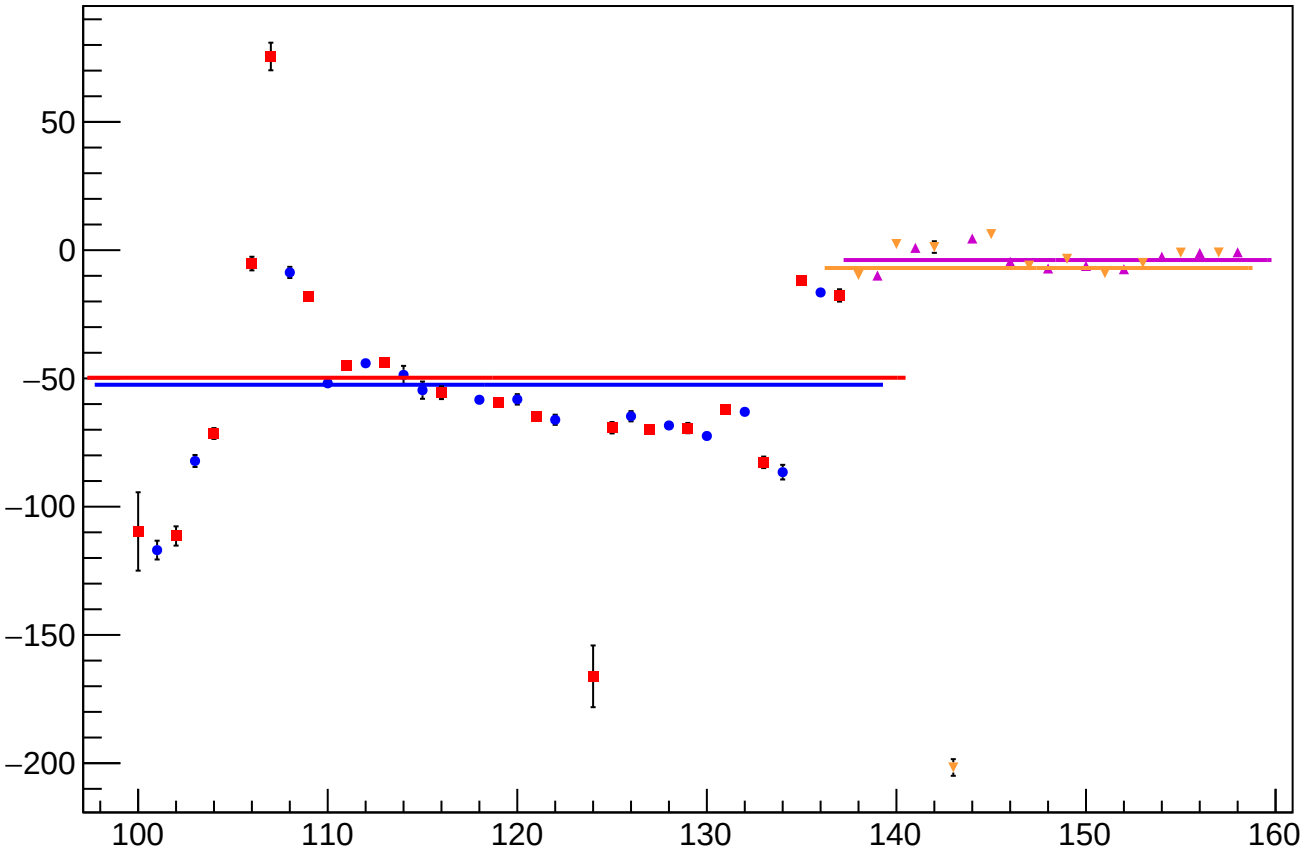
Left: -0.080+/-0.219 χ^2/NDF: 165.1/20

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.140+/-0.253 χ^2/NDF:324.0/25

Out: 0.766+/-0.257 χ^2/NDF:340.9/29

All: 0.956+/-0.180 χ^2/NDF: 666.0/55



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.952+/-0.454 χ^2/NDF:3783.9/10

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.846+/-0.442 χ^2/NDF:87.3/9

Left: -5.358+/-0.317 χ^2/NDF: 3895.2/20

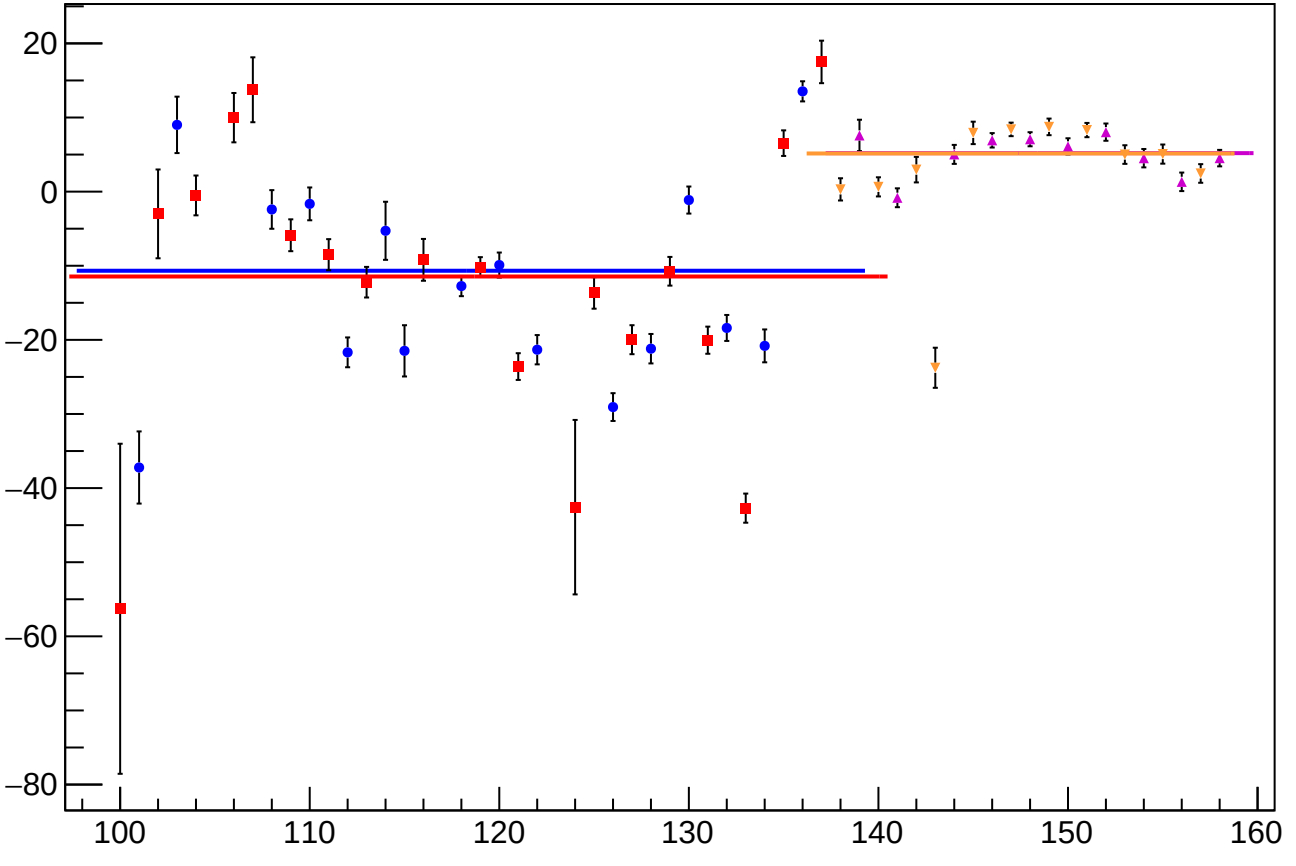
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -25.775+/-0.328 χ^2/NDF:7871.9/25

Out: -26.545+/-0.334 χ^2/NDF:10858.1/29

All: -26.152+/-0.234 χ^2/NDF: 18732.7/55

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: 5.148+/-0.381 χ^2/NDF:180.2/10

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.194+/-0.370 χ^2/NDF:47.6/9

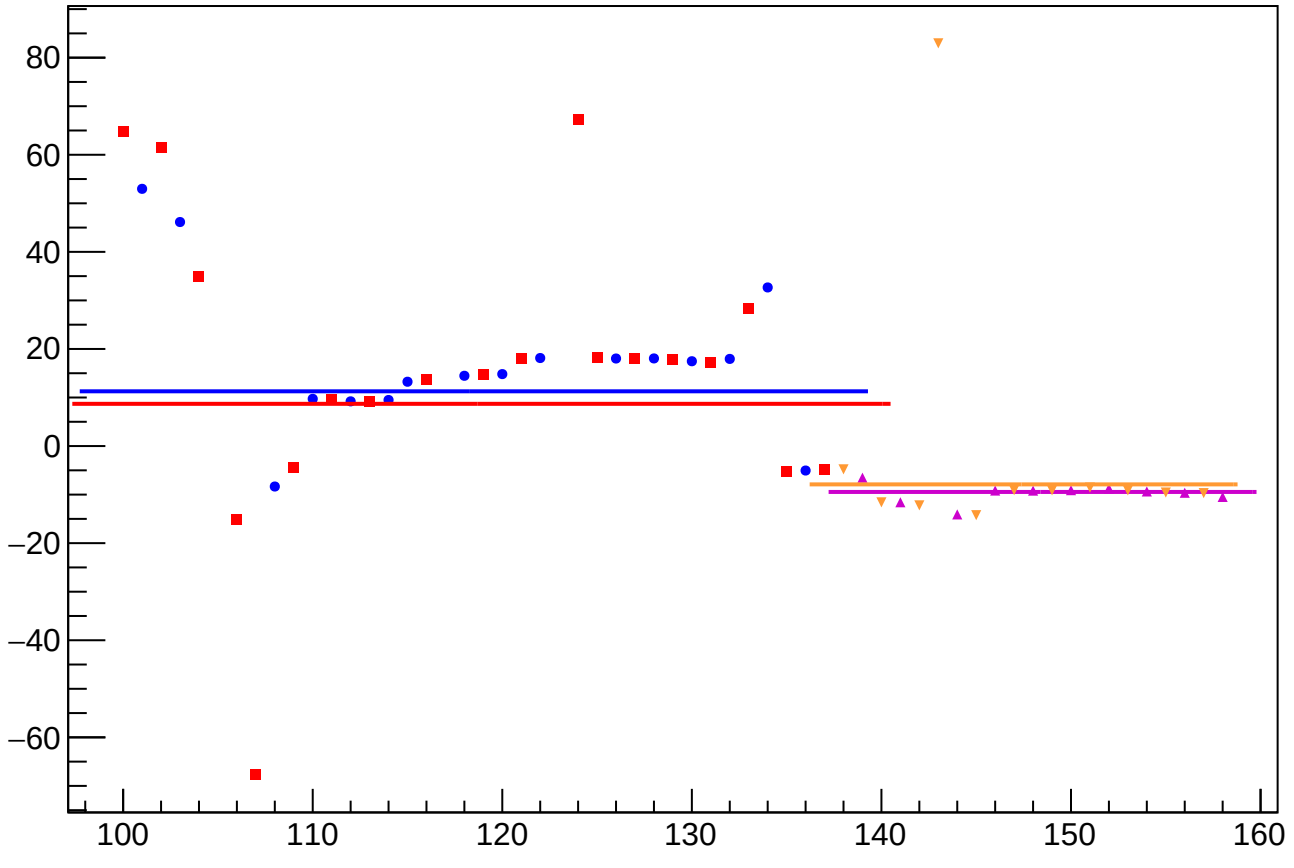
Left: 5.172+/-0.265 χ^2/NDF: 227.7/20

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.352+/-0.299 χ^2/NDF:1355.2/25

Out: -0.700+/-0.306 χ^2/NDF:1515.9/29

All: -0.522+/-0.214 χ^2/NDF: 2871.7/55



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.894+/-0.017 χ^2/NDF:476479.1/10

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.453+/-0.017 χ^2/NDF:10727.4/9

Left: -8.712+/-0.012 χ^2/NDF: 491381.0/20

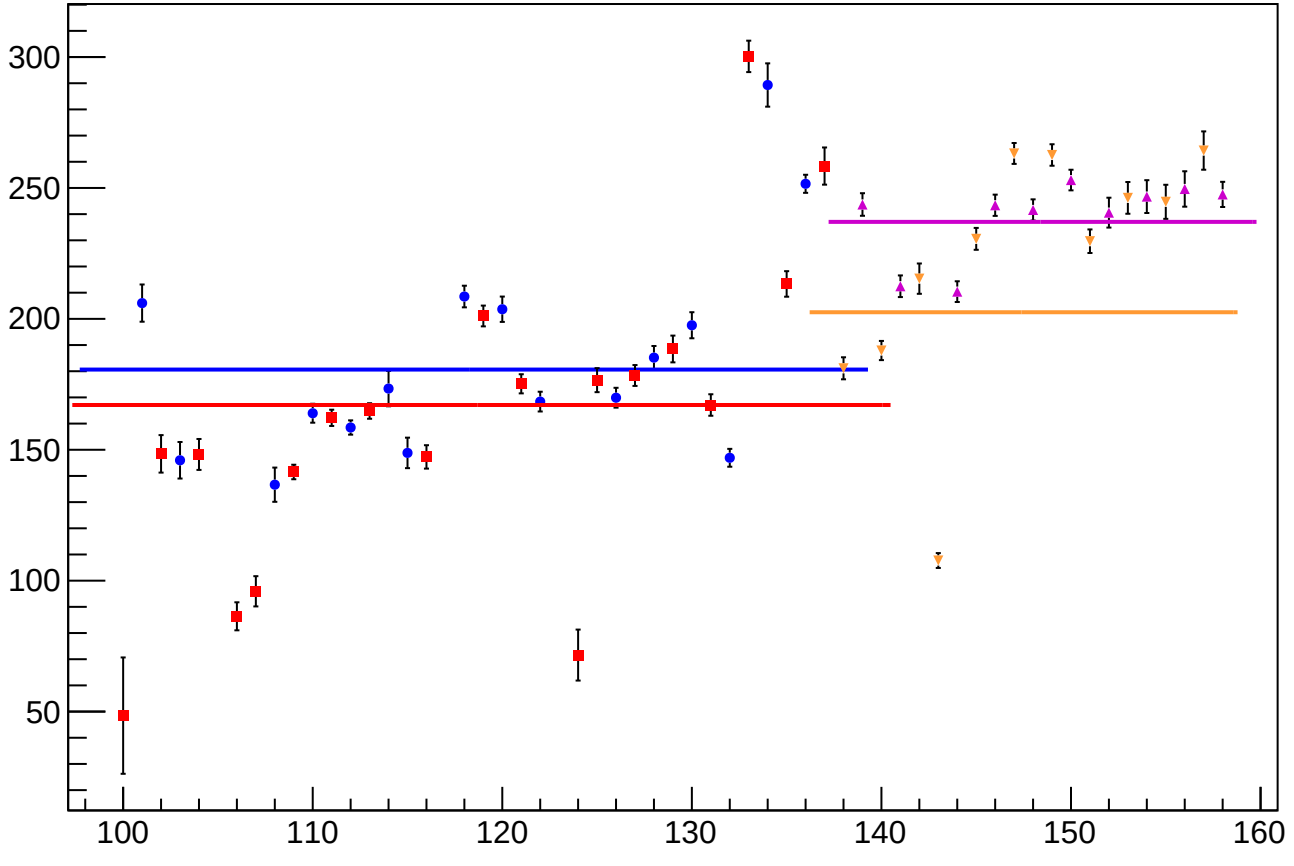
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.563+/-0.015 χ^2/NDF:726816.4/25

Out: -3.975+/-0.015 χ^2/NDF:1125611.3/29

All: -4.284+/-0.011 χ^2/NDF: 1853206.7/55

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: 202.530+/-1.310 χ^2/NDF:1852.1/10

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

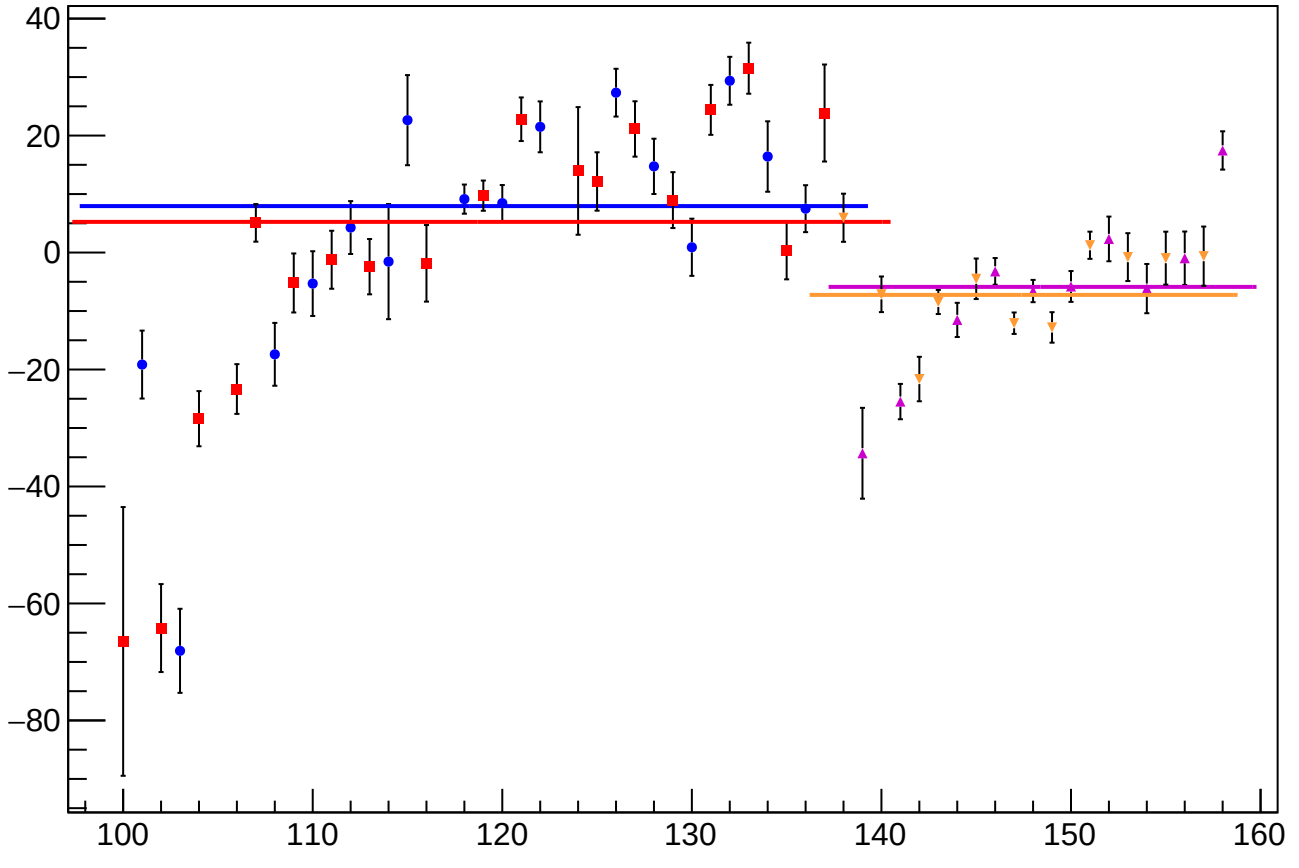
Left: 218.183+/-0.968 χ^2/NDF: 2281.2/20

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.215+/-0.868 χ^2/NDF:2085.4/25

Out: 180.490+/-0.805 χ^2/NDF:3791.8/29

All: 190.070+/-0.590 χ^2/NDF: 6183.5/55



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.242+/-0.866 χ^2/NDF:56.6/10

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

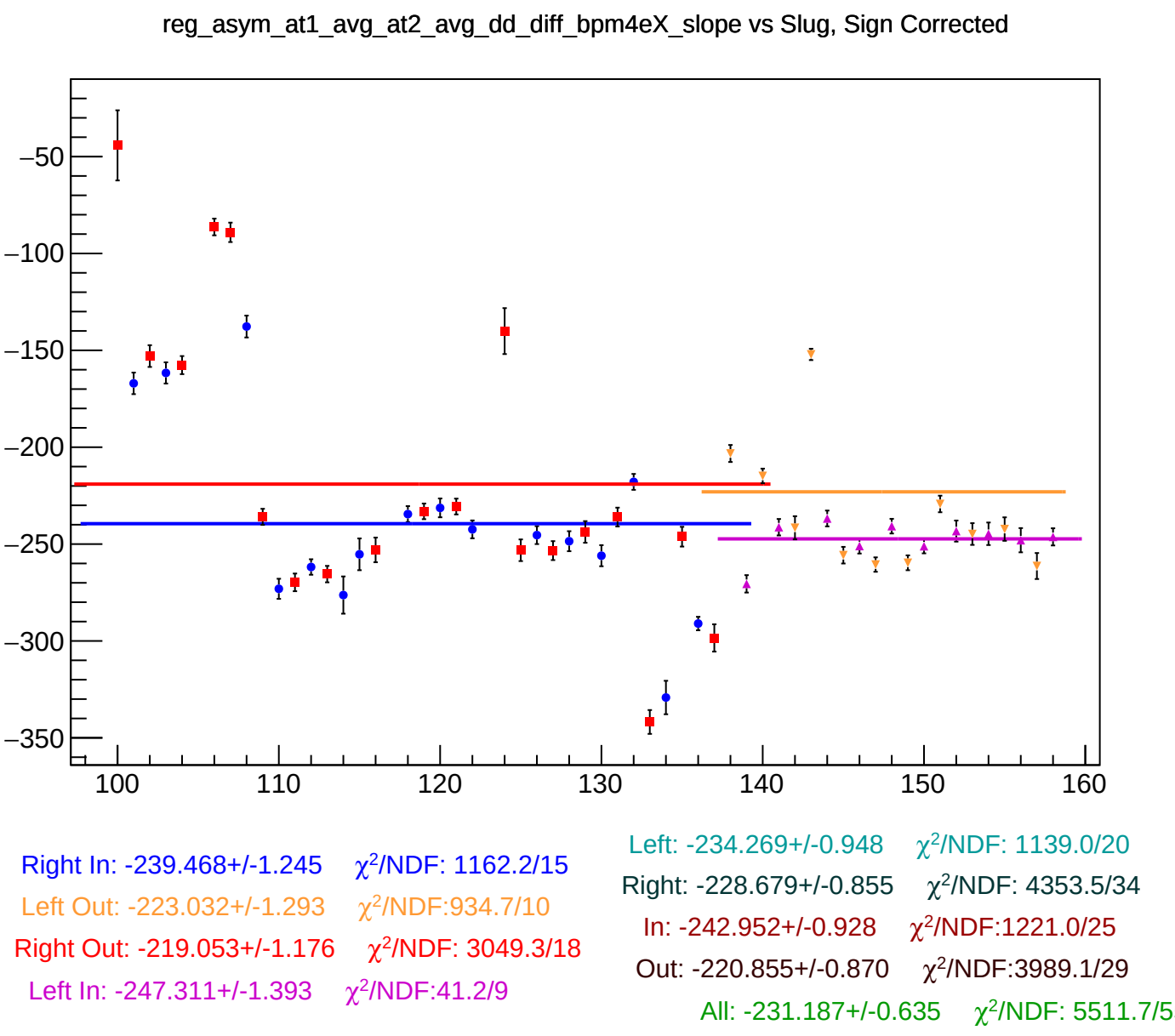
Left: -6.616+/-0.638 χ^2/NDF: 175.0/20

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

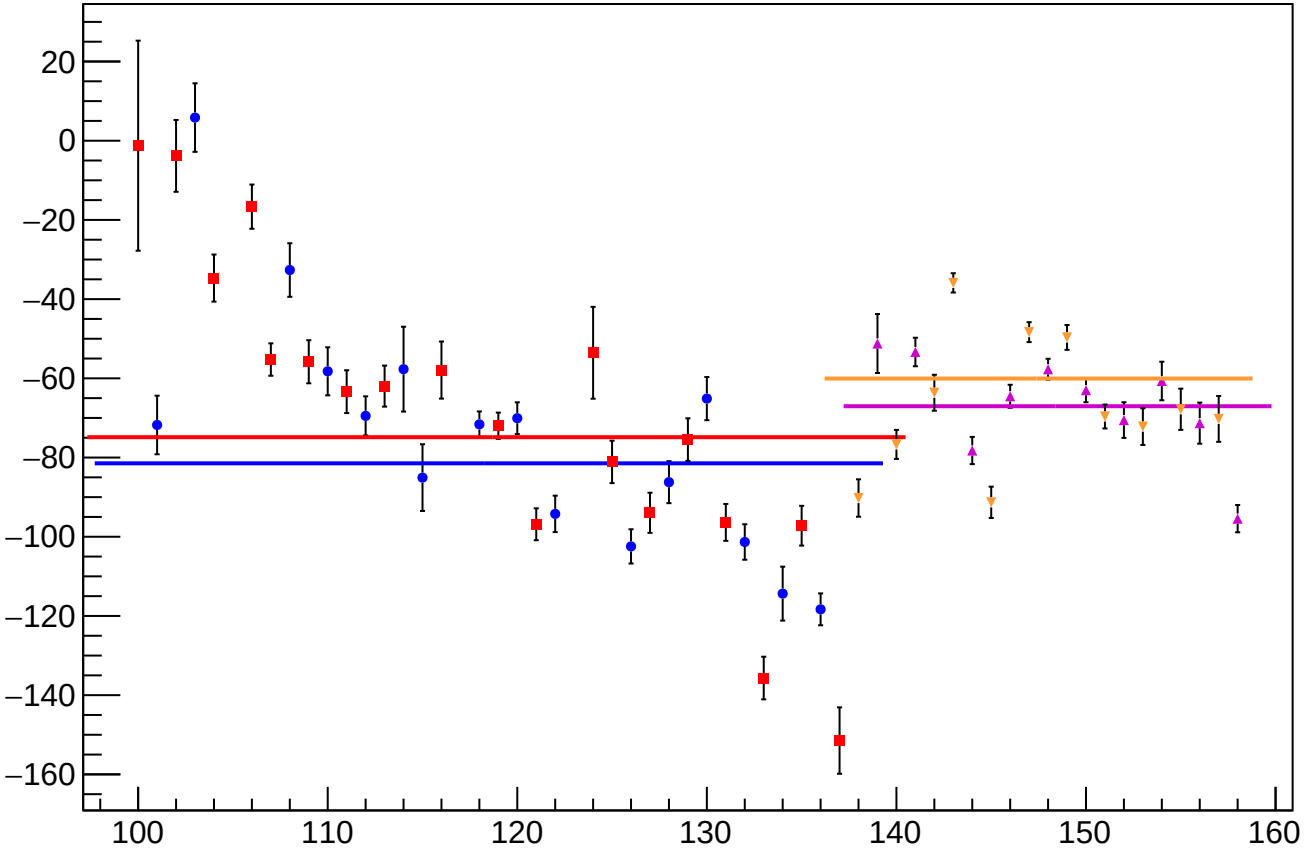
In: -0.091+/-0.720 χ^2/NDF:439.7/25

Out: -2.254+/-0.671 χ^2/NDF:442.5/29

All: -1.248+/-0.491 χ^2/NDF: 887.0/55


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -223.032+/-1.293 χ²/NDF:934.7/10
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.311+/-1.393 χ²/NDF:41.2/9
Left: -234.269+/-0.948 χ²/NDF: 1139.0/20
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -242.952+/-0.928 χ²/NDF:1221.0/25
Out: -220.855+/-0.870 χ²/NDF:3989.1/29
All: -231.187+/-0.635 χ²/NDF: 5511.7/55

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -60.044+/-1.064 χ^2/NDF:277.6/10

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

Left: -63.286+/-0.780 χ^2/NDF: 413.3/20

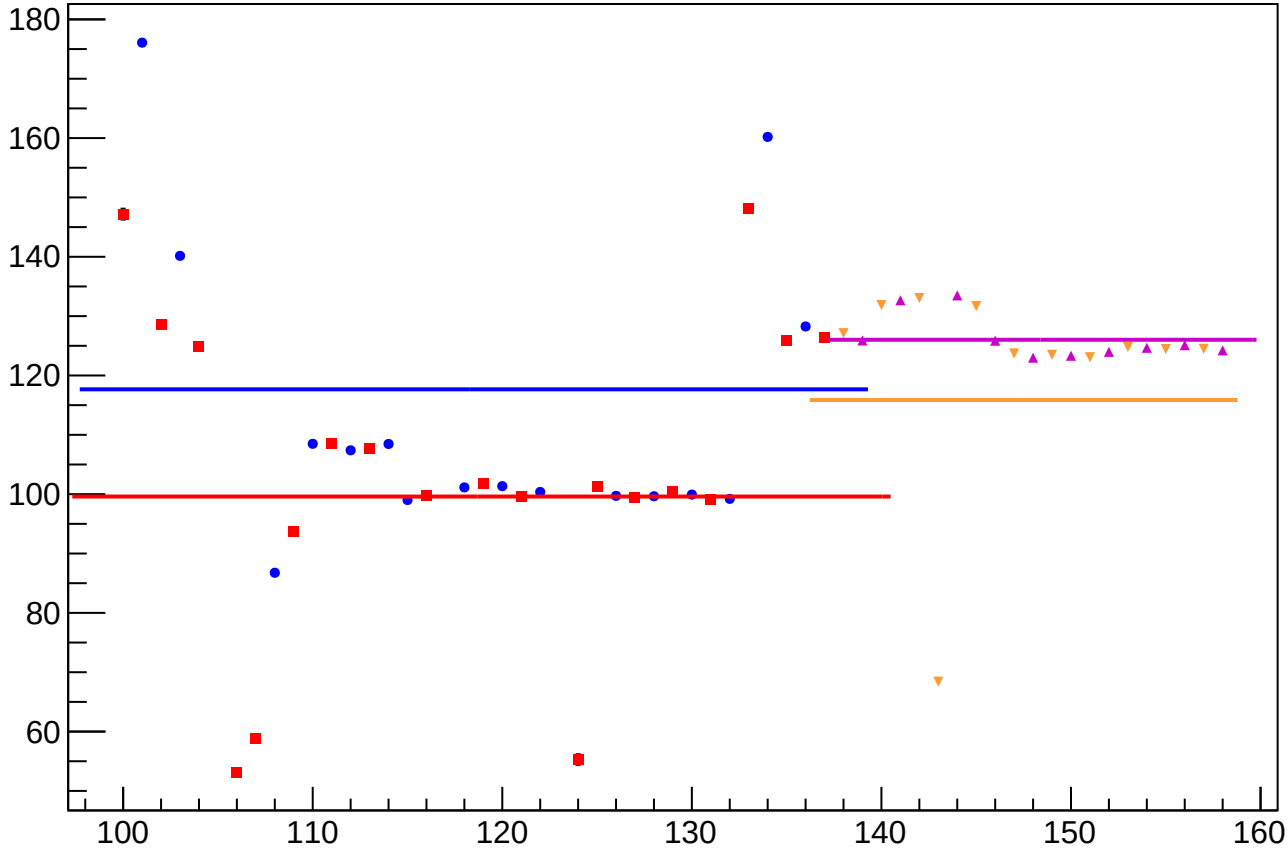
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.416+/-0.856 χ^2/NDF:552.1/25

Out: -66.386+/-0.805 χ^2/NDF:937.2/29

All: -69.687+/-0.586 χ^2/NDF: 1525.2/55

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: 115.872+/-0.052 χ^2/NDF:190704.1/10

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

Left: 120.781+/-0.037 χ^2/NDF: 213170.2/20

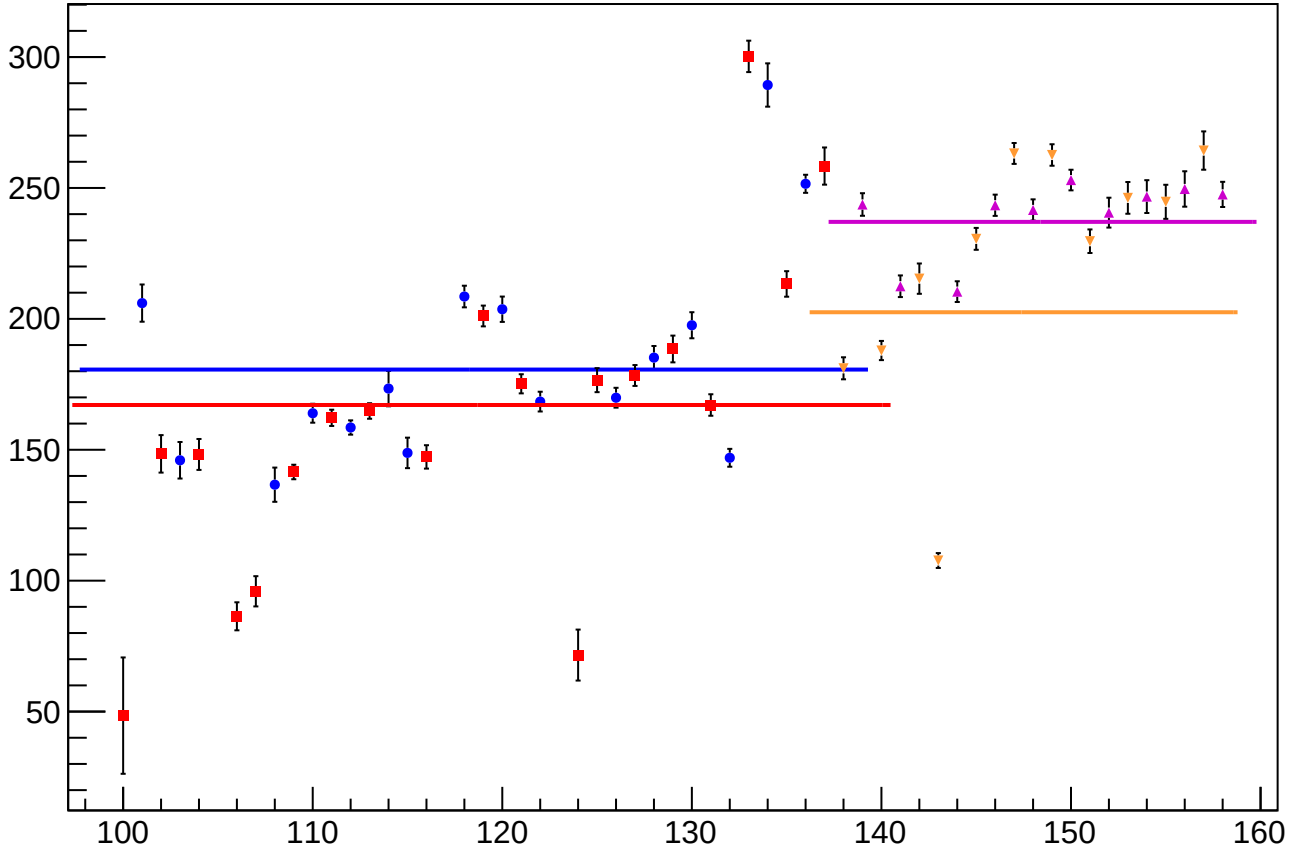
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.331+/-0.044 χ^2/NDF:107295.0/25

Out: 110.094+/-0.042 χ^2/NDF:391467.7/29

All: 116.332+/-0.030 χ^2/NDF: 545794.7/55

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: 202.530+/-1.310 χ^2/NDF:1852.1/10

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

Left: 218.183+/-0.968 χ^2/NDF: 2281.2/20

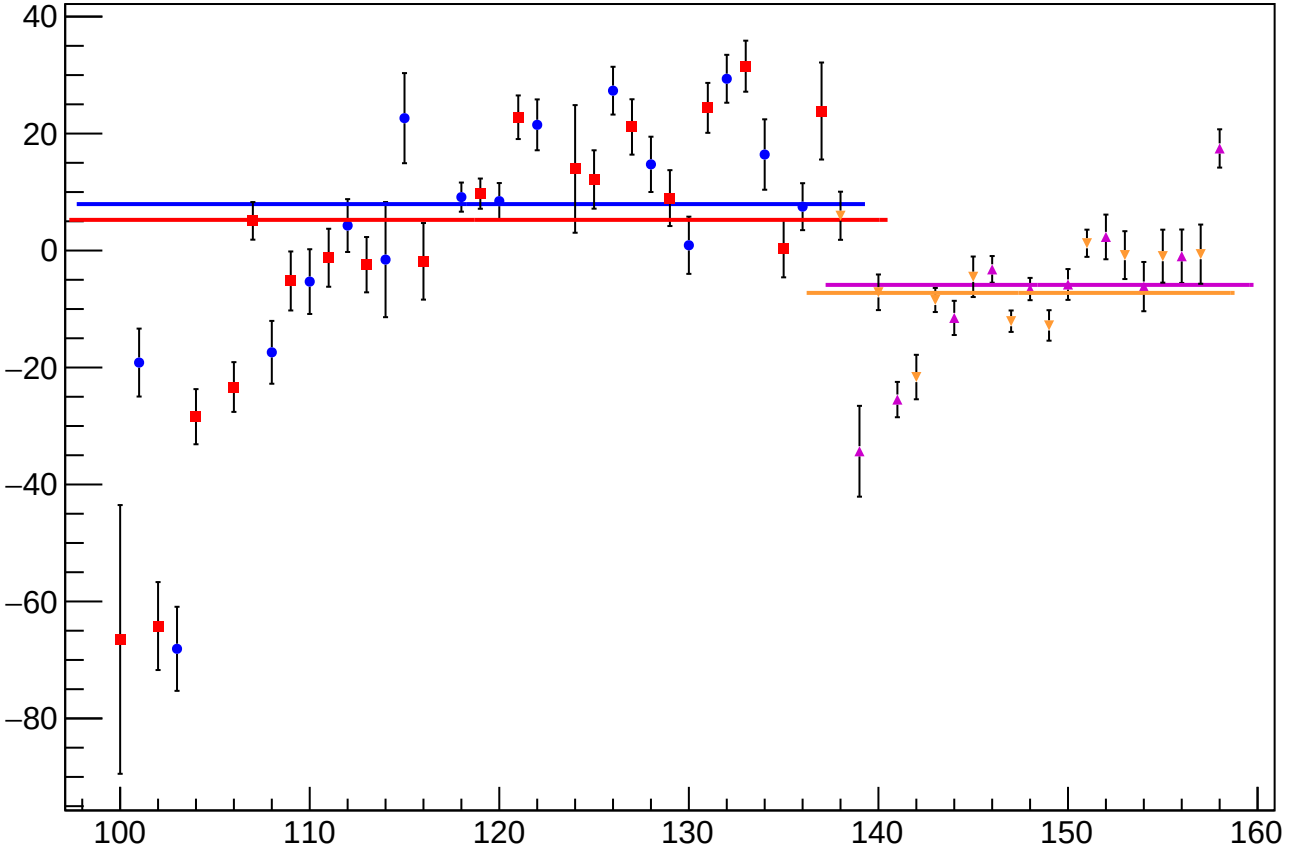
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.215+/-0.868 χ^2/NDF:2085.4/25

Out: 180.490+/-0.805 χ^2/NDF:3791.8/29

All: 190.070+/-0.590 χ^2/NDF: 6183.5/55

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: -7.242+/-0.866 χ^2/NDF:56.6/10

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

Left: -6.616+/-0.638 χ^2/NDF: 175.0/20

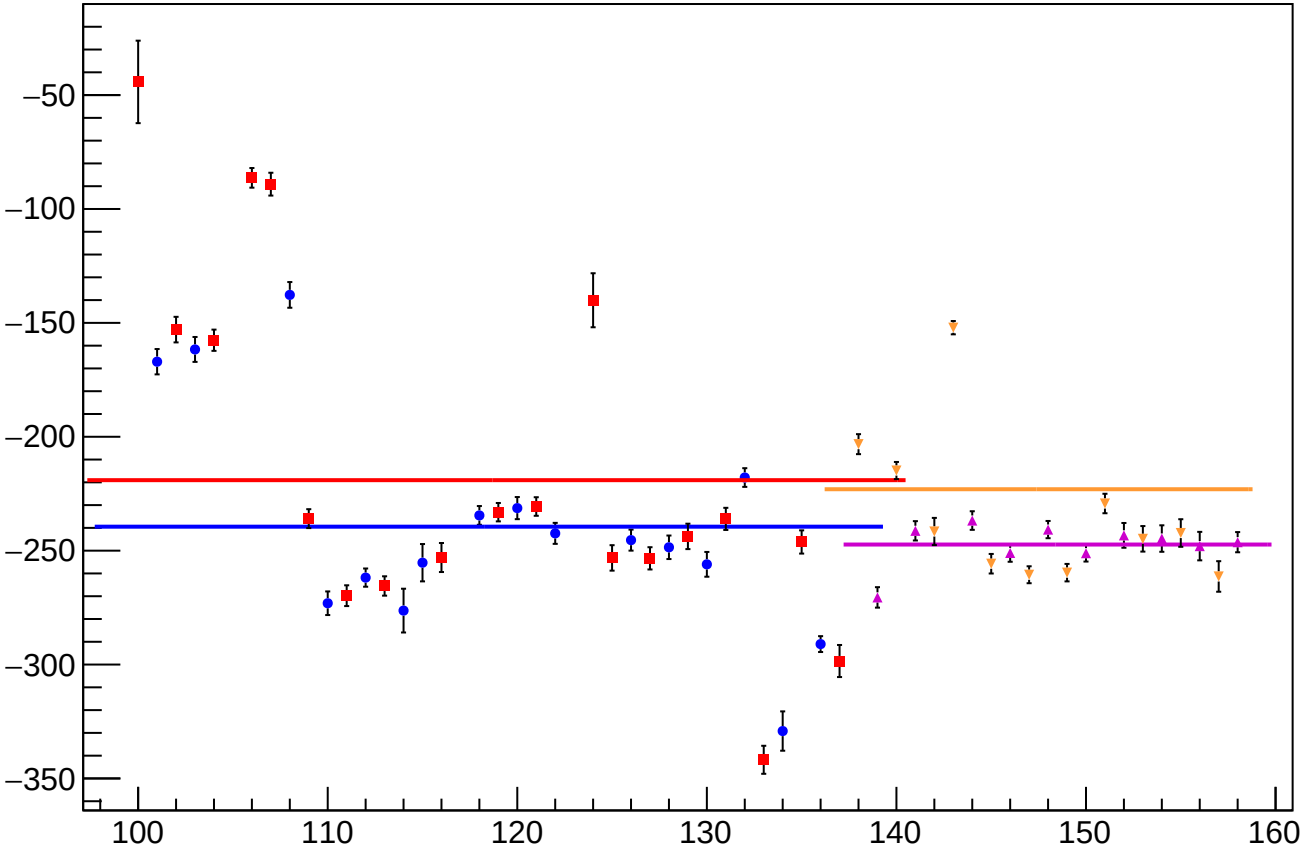
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.091+/-0.720 χ^2/NDF:439.7/25

Out: -2.254+/-0.671 χ^2/NDF:442.5/29

All: -1.248+/-0.491 χ^2/NDF: 887.0/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.032+/-1.293 χ^2/NDF:934.7/10

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

Left: -234.269+/-0.948 χ^2/NDF: 1139.0/20

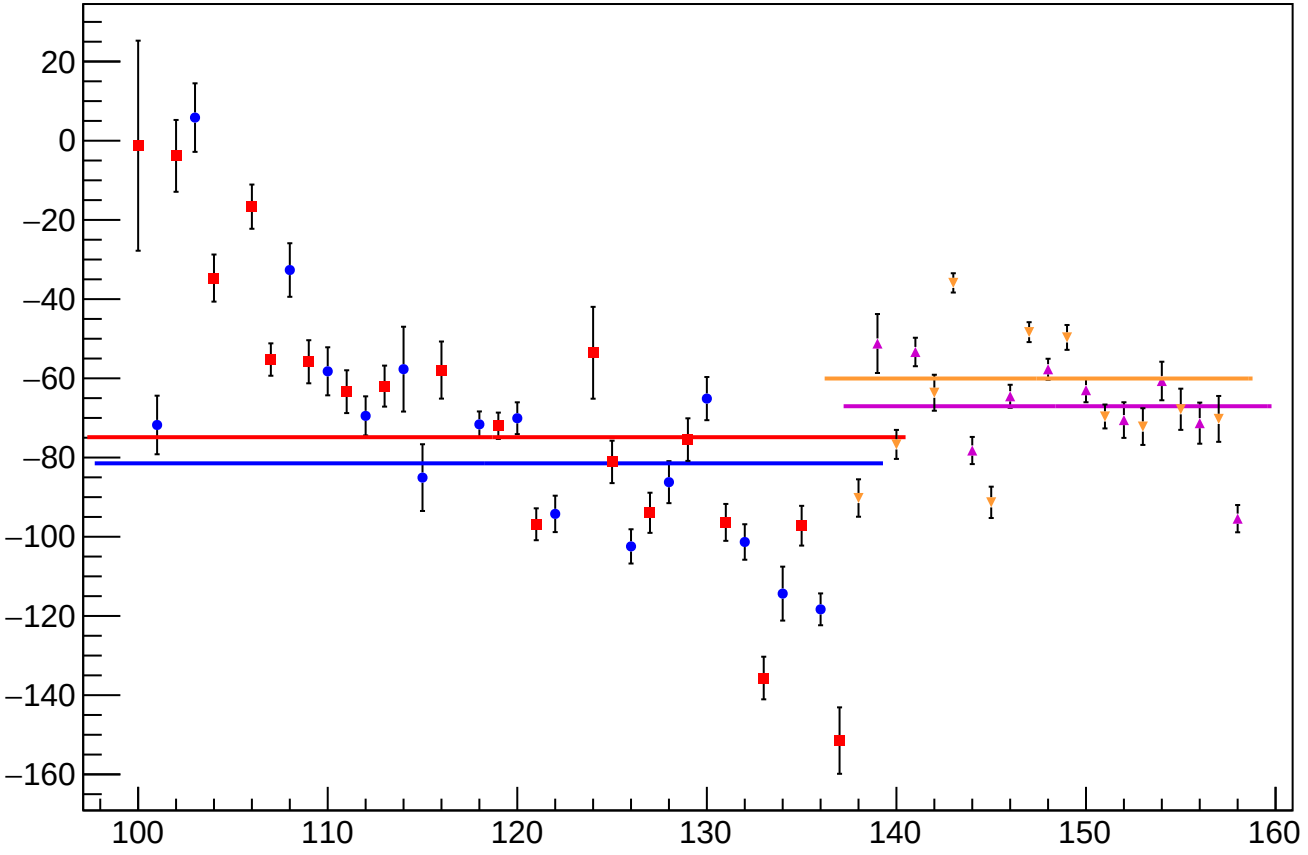
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.952+/-0.928 χ^2/NDF:1221.0/25

Out: -220.855+/-0.870 χ^2/NDF:3989.1/29

All: -231.187+/-0.635 χ^2/NDF: 5511.7/55

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -60.044+/-1.064 χ^2/NDF:277.6/10

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

Left: -63.286+/-0.780 χ^2/NDF: 413.3/20

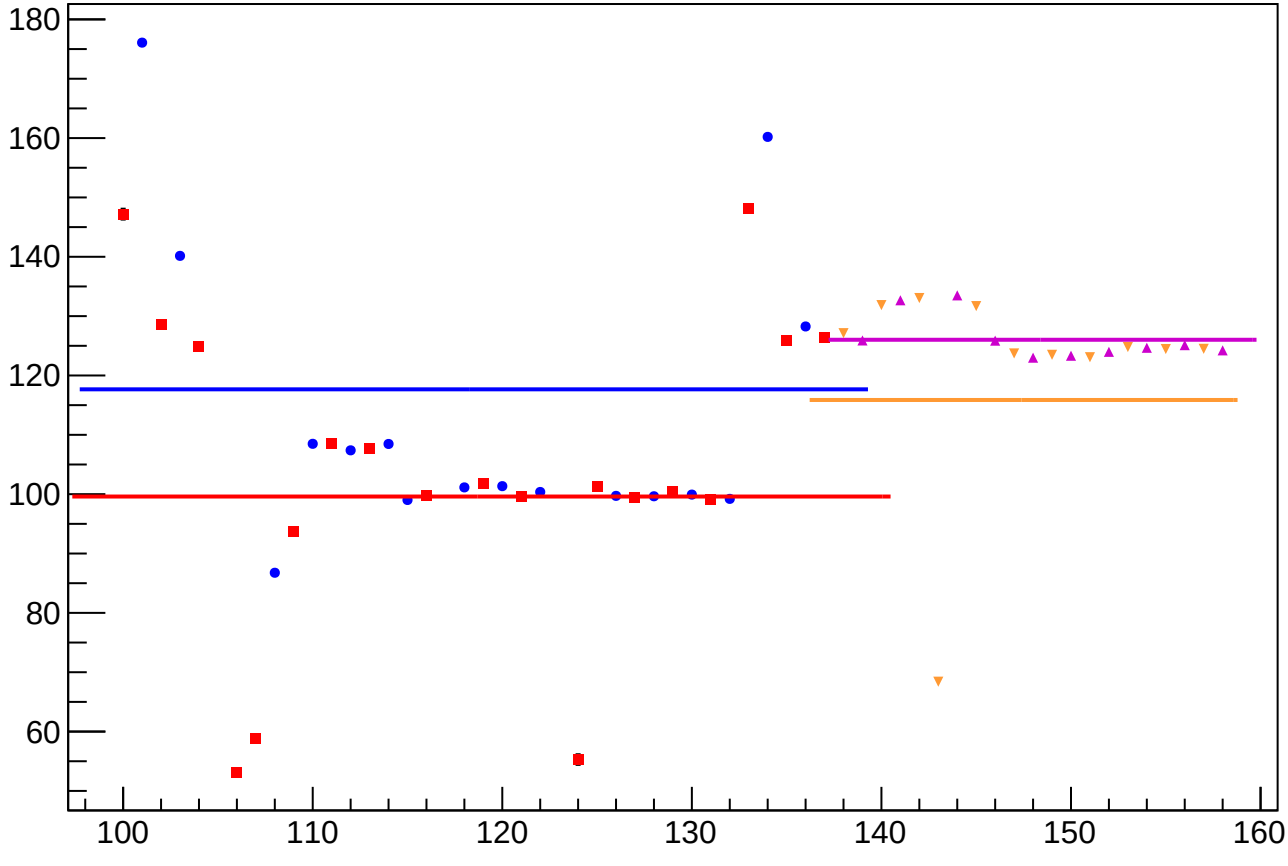
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.416+/-0.856 χ^2/NDF:552.1/25

Out: -66.386+/-0.805 χ^2/NDF:937.2/29

All: -69.687+/-0.586 χ^2/NDF: 1525.2/55

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: 115.872+/-0.052 χ^2/NDF:190704.1/10

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

Left: 120.781+/-0.037 χ^2/NDF: 213170.2/20

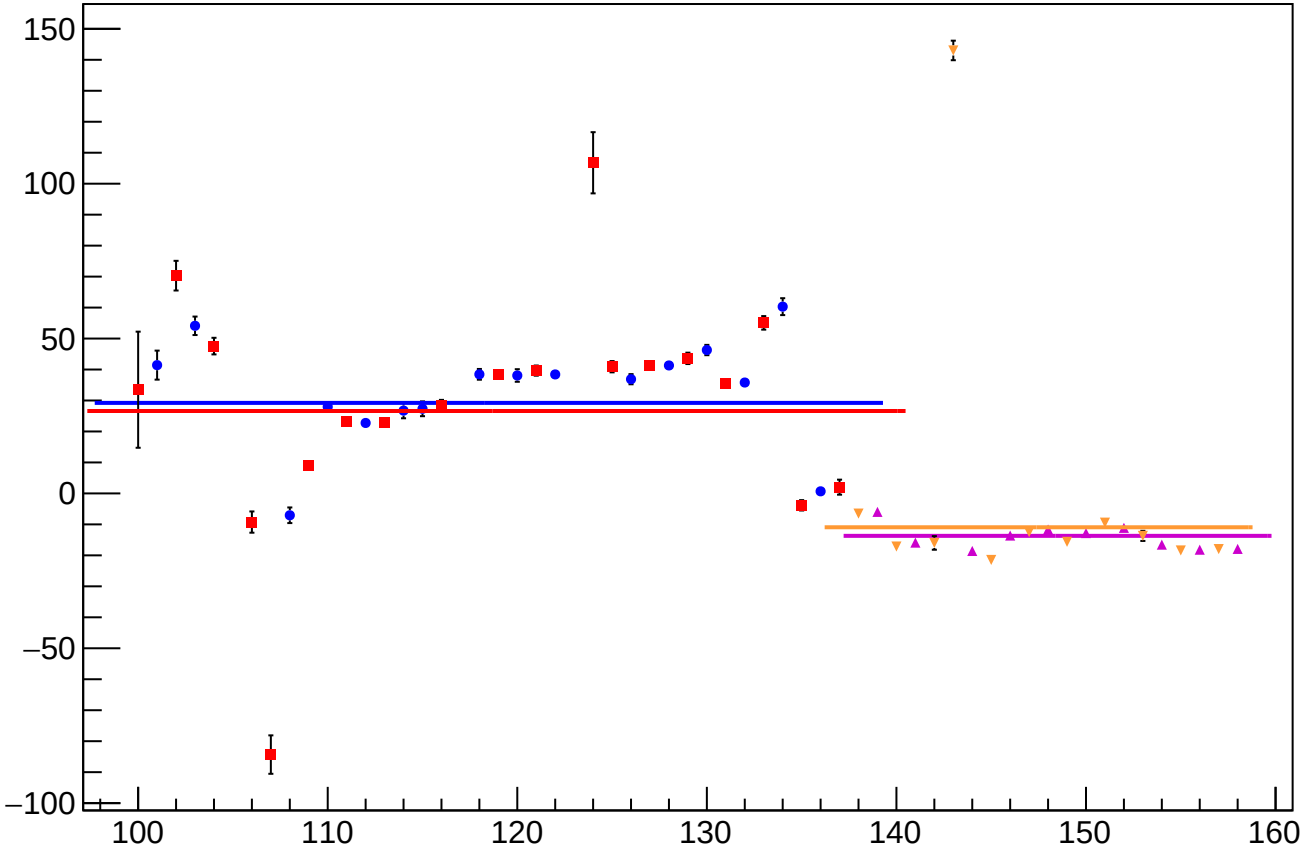
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.331+/-0.044 χ^2/NDF:107295.0/25

Out: 110.094+/-0.042 χ^2/NDF:391467.7/29

All: 116.332+/-0.030 χ^2/NDF: 545794.7/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -10.933+/-0.467 χ^2/NDF:2525.3/10

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.700+/-0.457 χ^2/NDF:76.8/9

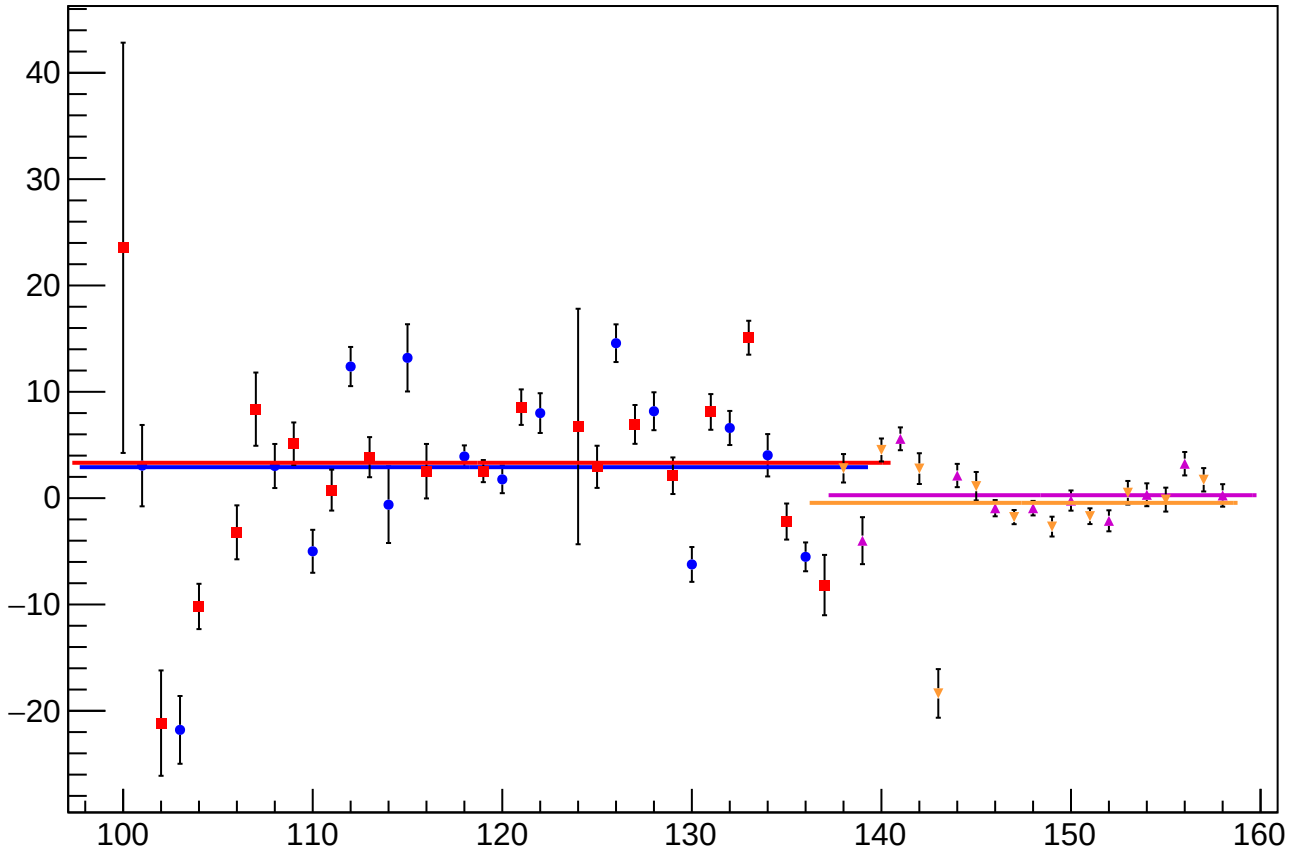
Left: -12.346+/-0.327 χ^2/NDF: 2620.0/20

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 9.378+/-0.311 χ^2/NDF:6153.9/25

Out: 10.097+/-0.310 χ^2/NDF:8061.1/29

All: 9.739+/-0.220 χ^2/NDF: 14217.7/55



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.442+/-0.312 χ^2/NDF:112.2/10

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.277+/-0.309 χ^2/NDF:50.2/9

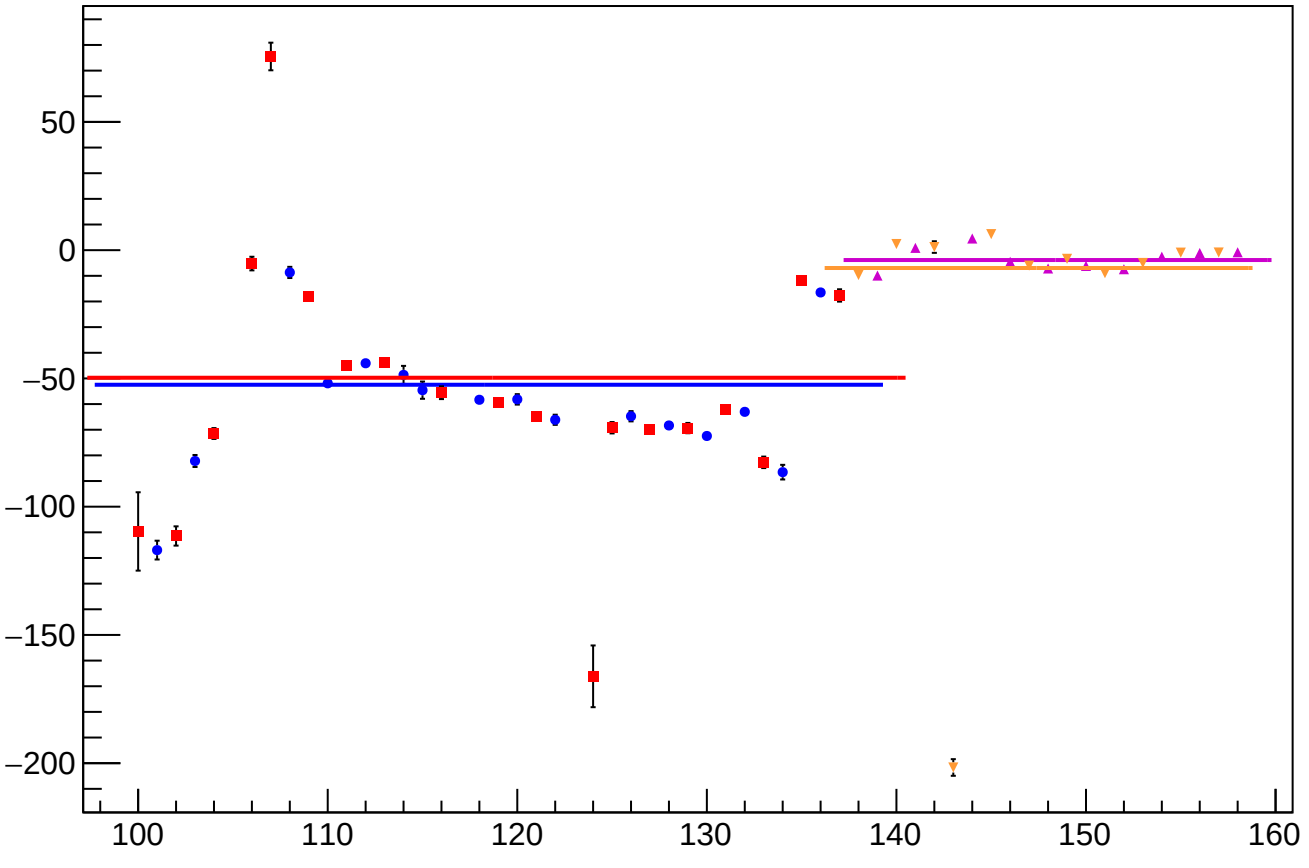
Left: -0.080+/-0.219 χ^2/NDF: 165.1/20

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.140+/-0.253 χ^2/NDF:324.0/25

Out: 0.766+/-0.257 χ^2/NDF:340.9/29

All: 0.956+/-0.180 χ^2/NDF: 666.0/55



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.952+/-0.454 χ^2/NDF:3783.9/10

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.846+/-0.442 χ^2/NDF:87.3/9

Left: -5.358+/-0.317 χ^2/NDF: 3895.2/20

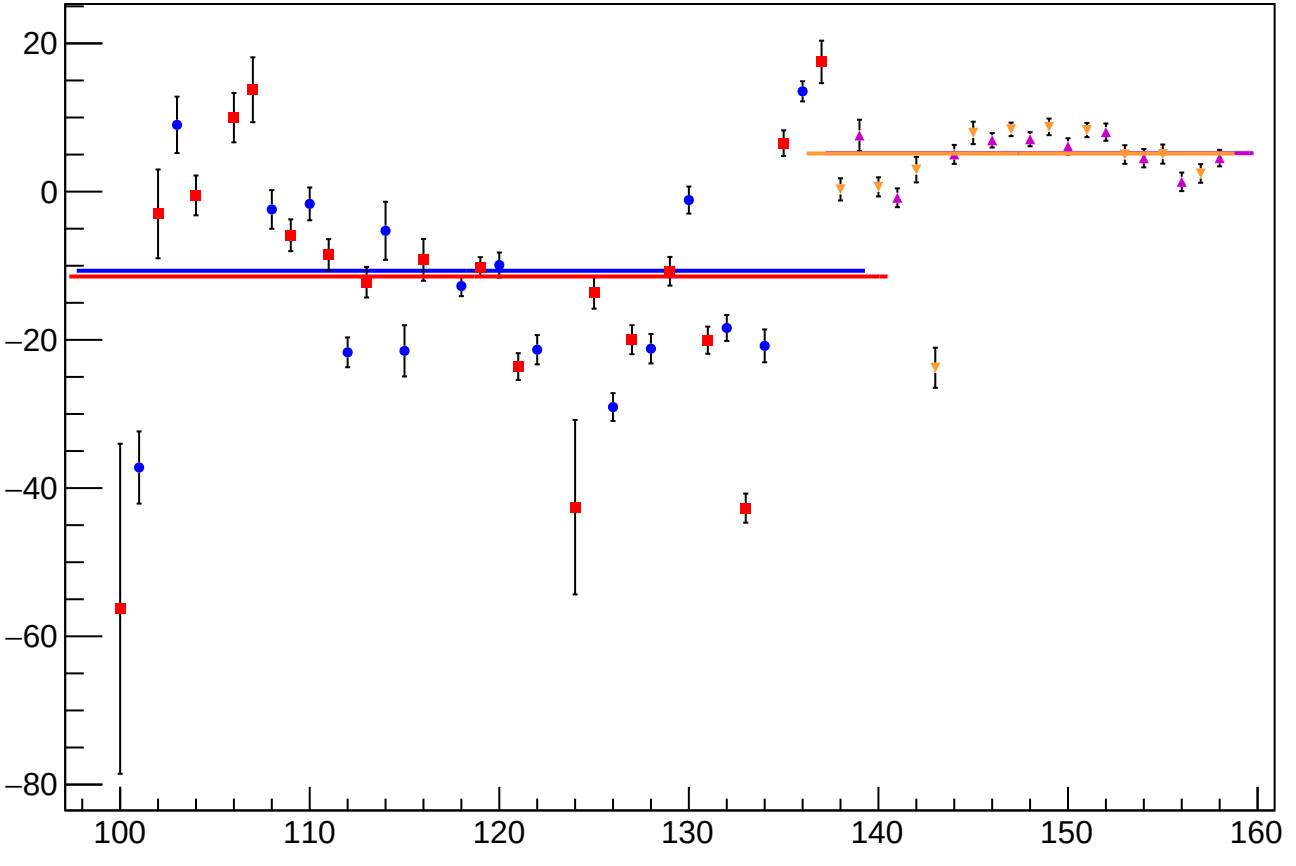
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -25.775+/-0.328 χ^2/NDF:7871.9/25

Out: -26.545+/-0.334 χ^2/NDF:10858.1/29

All: -26.152+/-0.234 χ^2/NDF: 18732.7/55

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.148+/-0.381 χ^2/NDF:180.2/10

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.194+/-0.370 χ^2/NDF:47.6/9

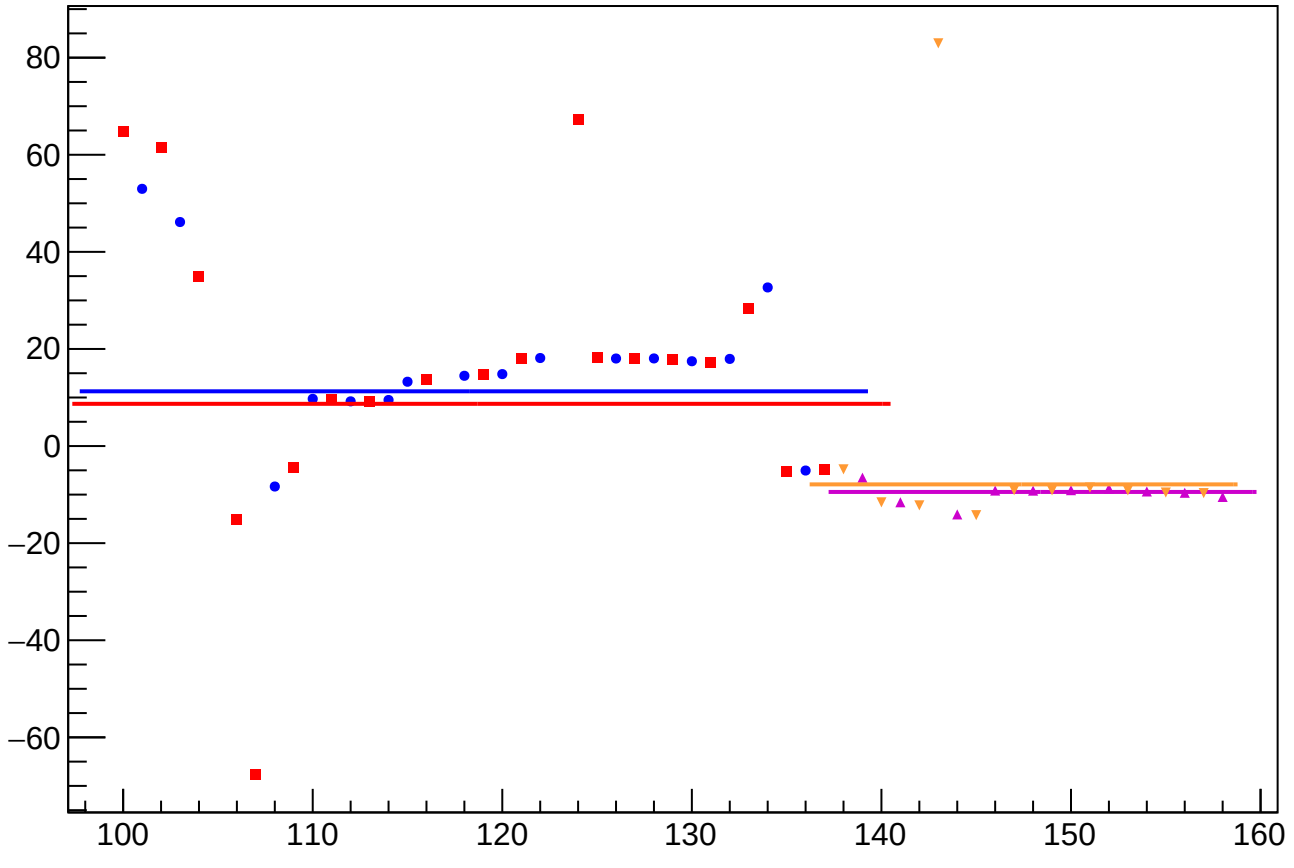
Left: 5.172+/-0.265 χ^2/NDF: 227.7/20

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.352+/-0.299 χ^2/NDF:1355.2/25

Out: -0.700+/-0.306 χ^2/NDF:1515.9/29

All: -0.522+/-0.214 χ^2/NDF: 2871.7/55



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.894+/-0.017 χ^2/NDF:476479.1/10

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.453+/-0.017 χ^2/NDF:10727.4/9

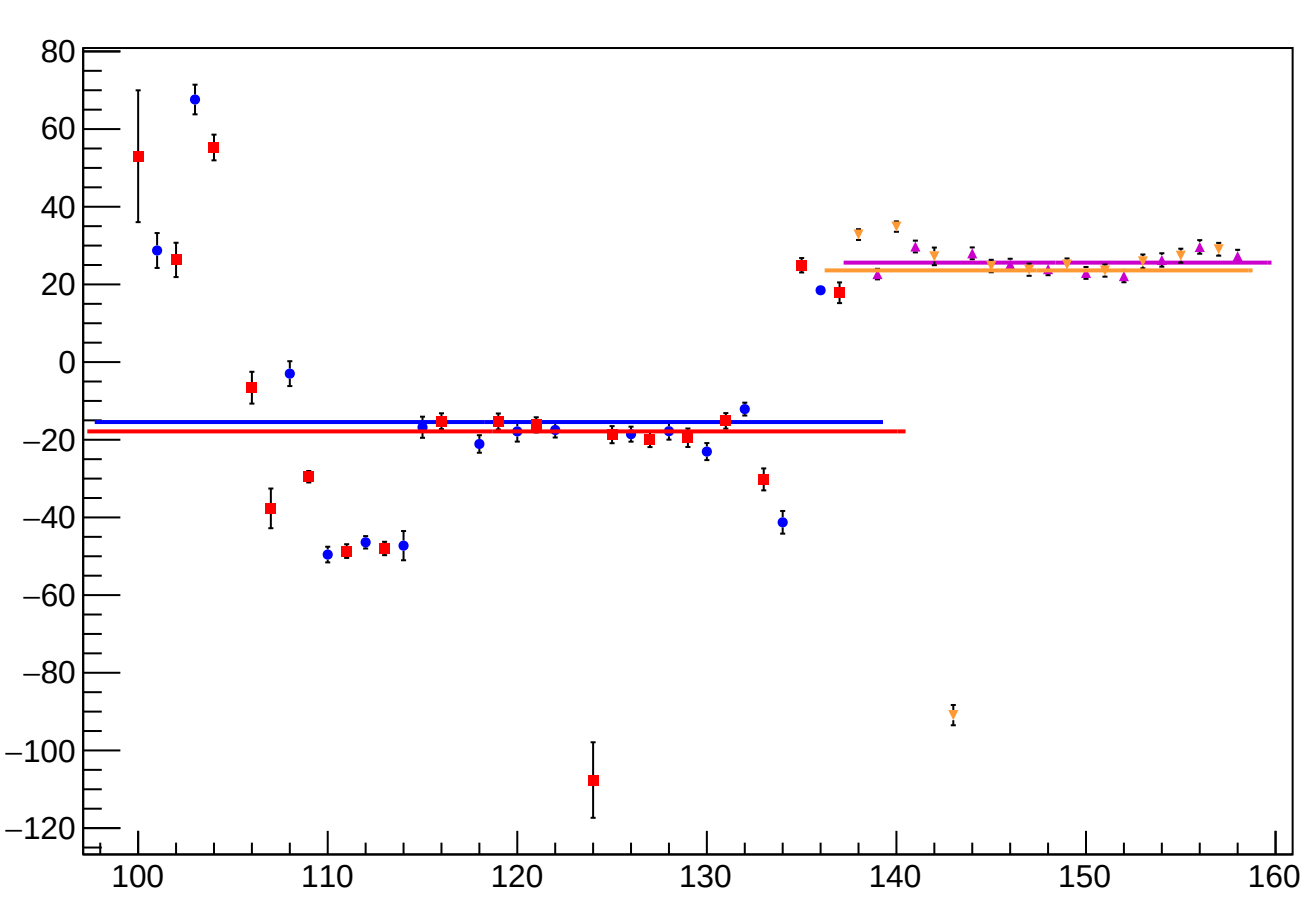
Left: -8.712+/-0.012 χ^2/NDF: 491381.0/20

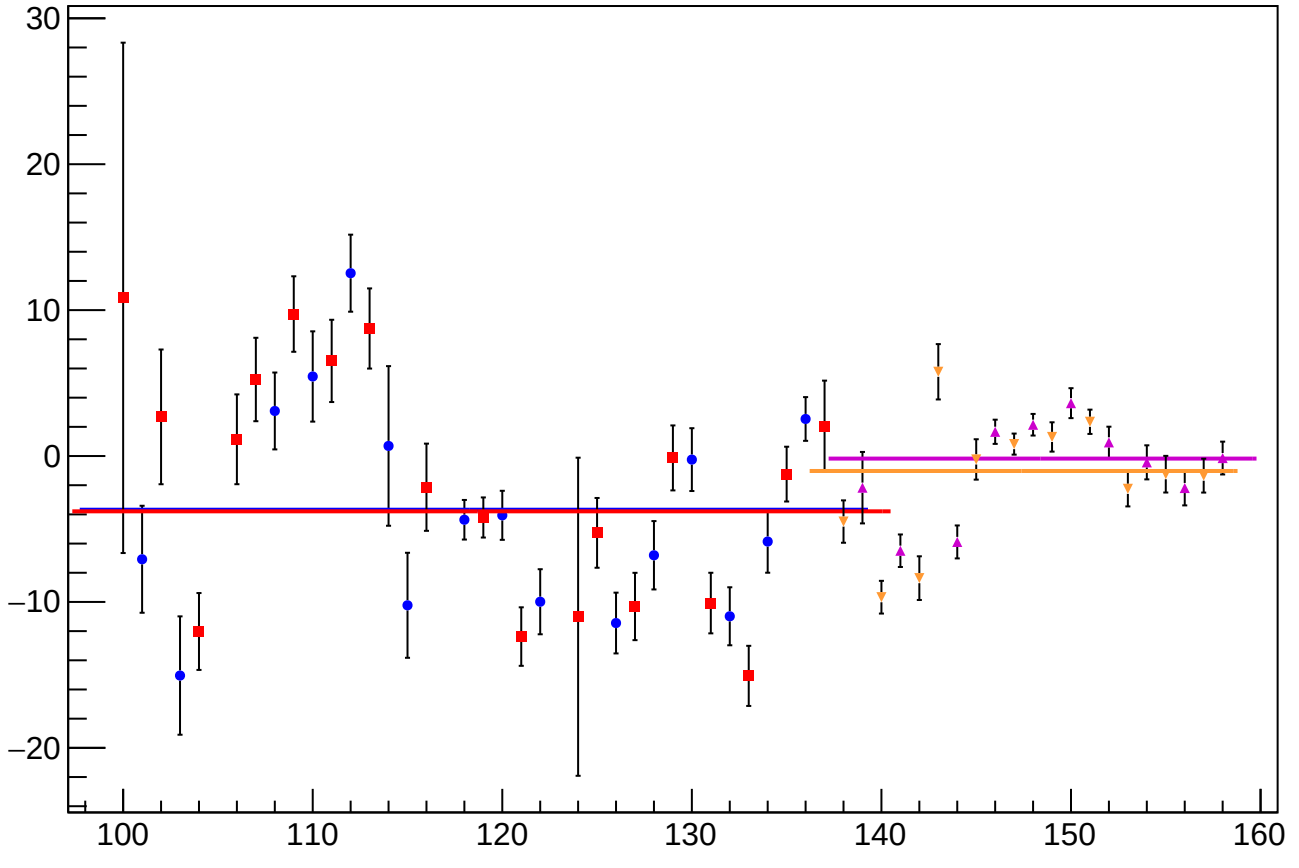
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

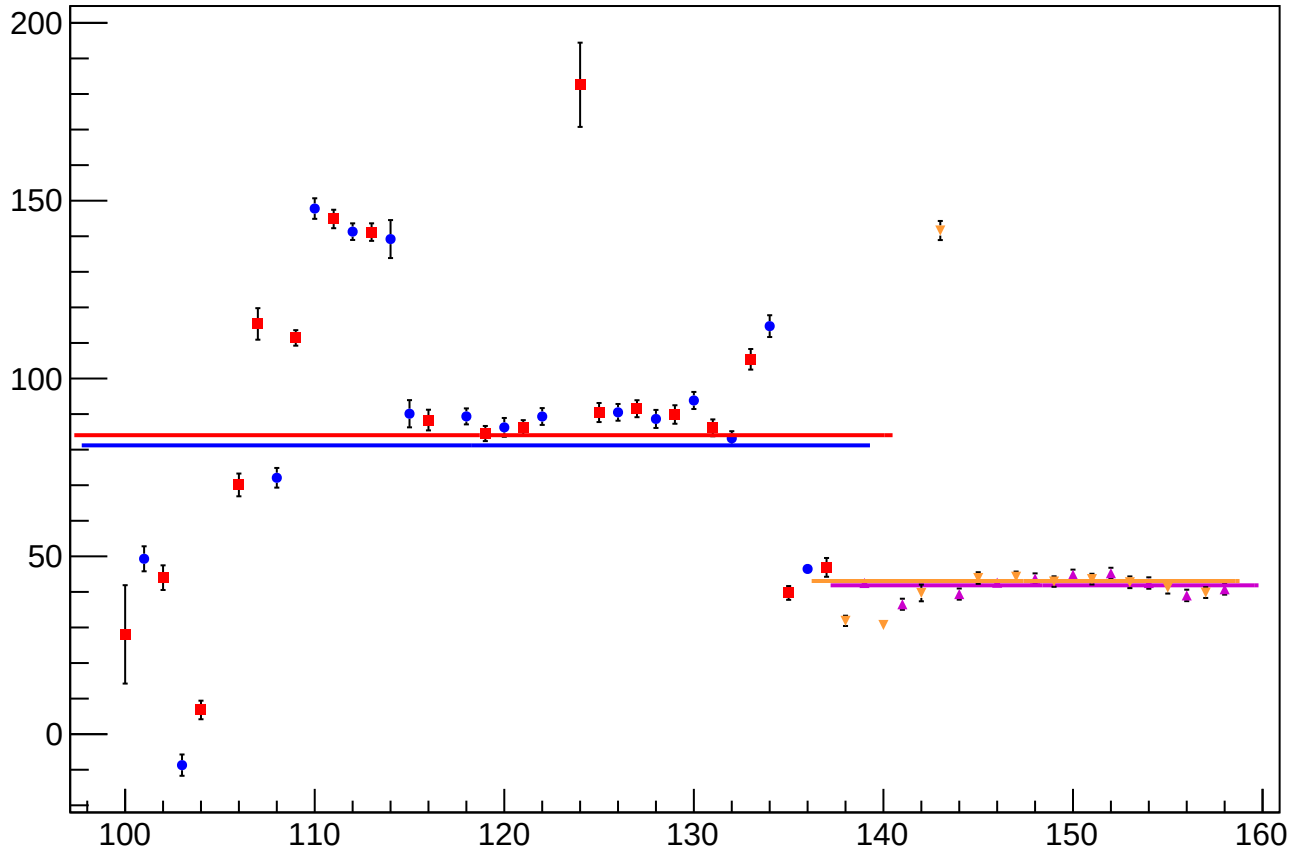
In: -4.563+/-0.015 χ^2/NDF:726816.4/25

Out: -3.975+/-0.015 χ^2/NDF:1125611.3/29

All: -4.284+/-0.011 χ^2/NDF: 1853206.7/55


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 23.610+/-0.499 χ²/NDF:2057.7/10
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.611+/-0.492 χ²/NDF:30.2/9
Left: 24.625+/-0.351 χ²/NDF: 2096.0/20
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 6.949+/-0.363 χ²/NDF:5317.1/25
Out: 4.098+/-0.363 χ²/NDF:7426.4/29
All: 5.523+/-0.257 χ²/NDF: 12774.2/55


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.025+/-0.335 χ²/NDF:131.9/10
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.175+/-0.332 χ²/NDF:90.7/9
Left: -0.597+/-0.236 χ²/NDF: 225.9/20
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.106+/-0.284 χ²/NDF:244.3/25
Out: -1.745+/-0.288 χ²/NDF:310.9/29
All: -1.422+/-0.202 χ²/NDF: 557.7/55



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.070+/-0.486 χ^2/NDF:1494.8/10

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.853+/-0.476 χ^2/NDF:29.5/9

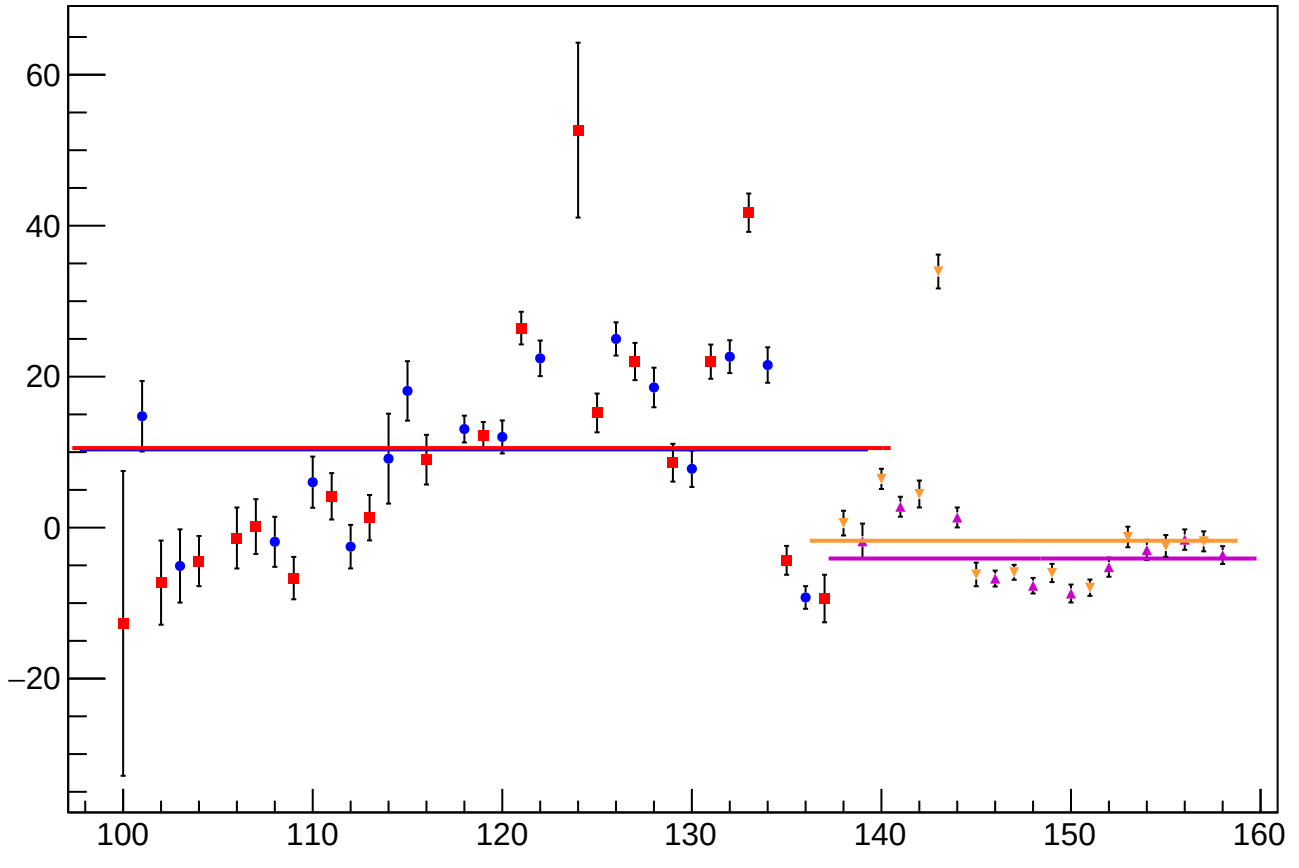
Left: 42.448+/-0.340 χ^2/NDF: 1527.5/20

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 56.830+/-0.375 χ^2/NDF:5862.5/25

Out: 58.796+/-0.382 χ^2/NDF:7428.9/29

All: 57.794+/-0.267 χ^2/NDF: 13305.0/55



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.736+/-0.408 χ^2/NDF:376.7/10

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.094+/-0.398 χ^2/NDF:83.8/9

Left: -2.945+/-0.285 χ^2/NDF: 477.5/20

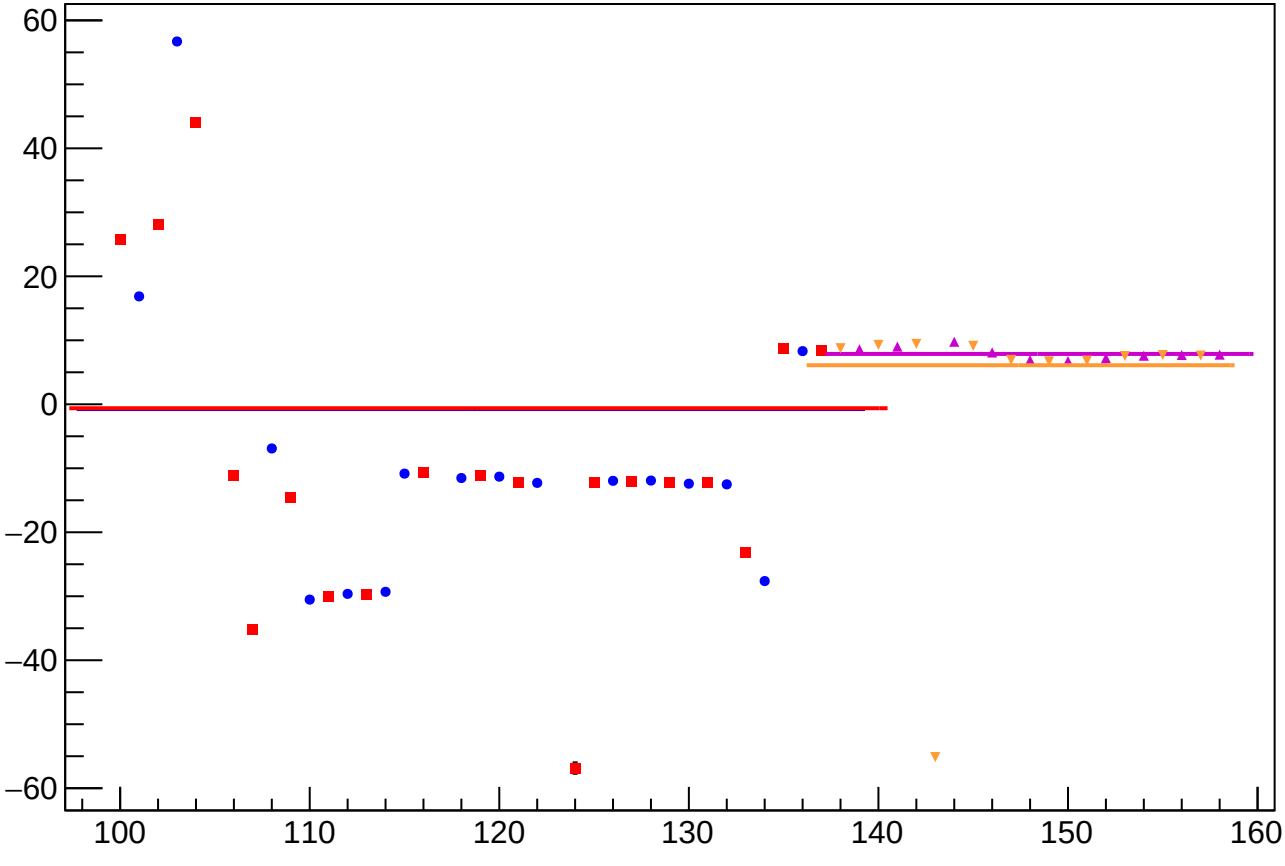
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.063+/-0.336 χ^2/NDF:823.2/25

Out: 1.811+/-0.344 χ^2/NDF:1108.8/29

All: 0.916+/-0.240 χ^2/NDF: 1945.2/55

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: 6.105+/-0.019 χ^2/NDF:311406.5/10

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.869+/-0.018 χ^2/NDF:2109.4/9

Left: 7.027+/-0.013 χ^2/NDF: 318135.5/20

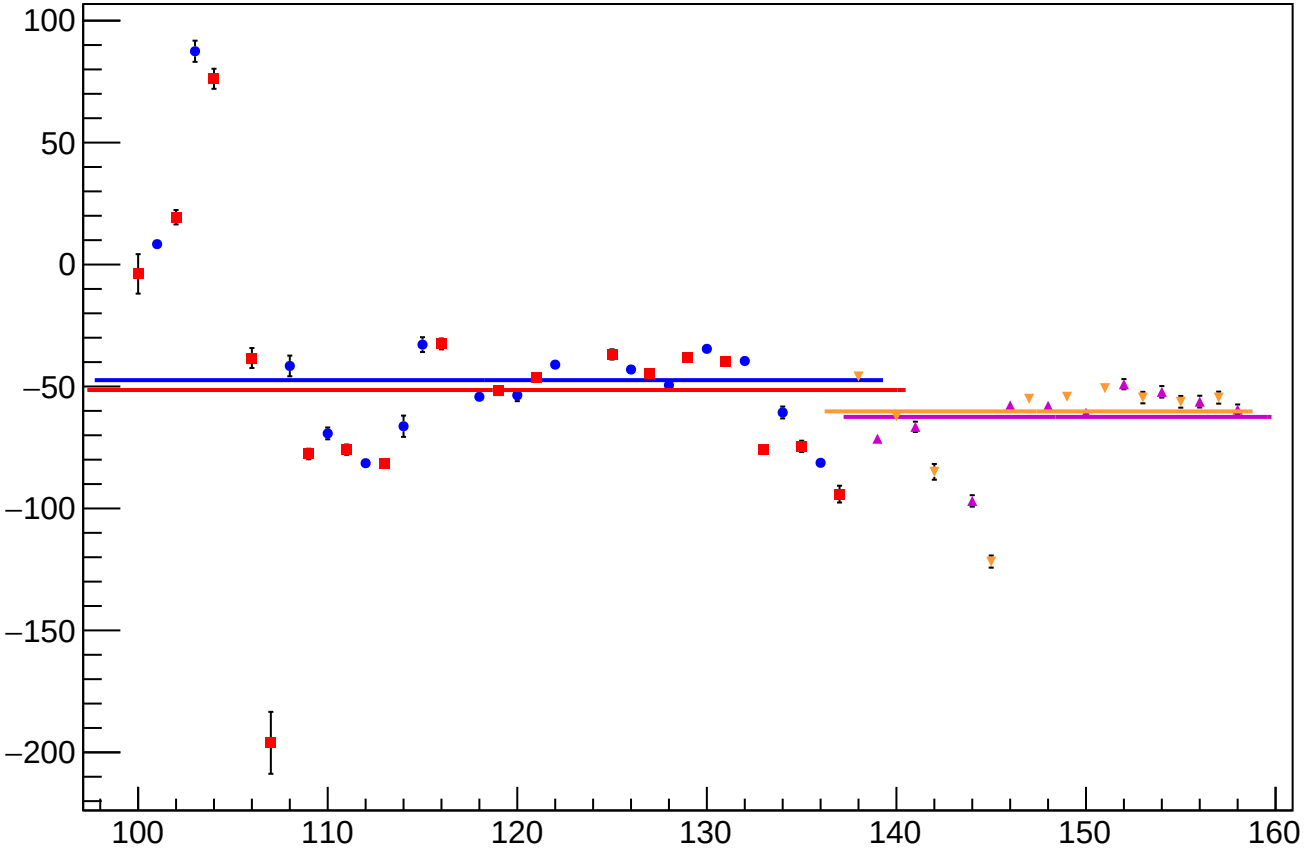
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.148+/-0.016 χ^2/NDF:416222.5/25

Out: 4.749+/-0.017 χ^2/NDF:653789.5/29

All: 5.479+/-0.012 χ^2/NDF: 1073646.0/55

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: -60.204+/-0.673 χ^2/NDF:790.6/9

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -62.469+/-0.645 χ^2/NDF:326.9/9

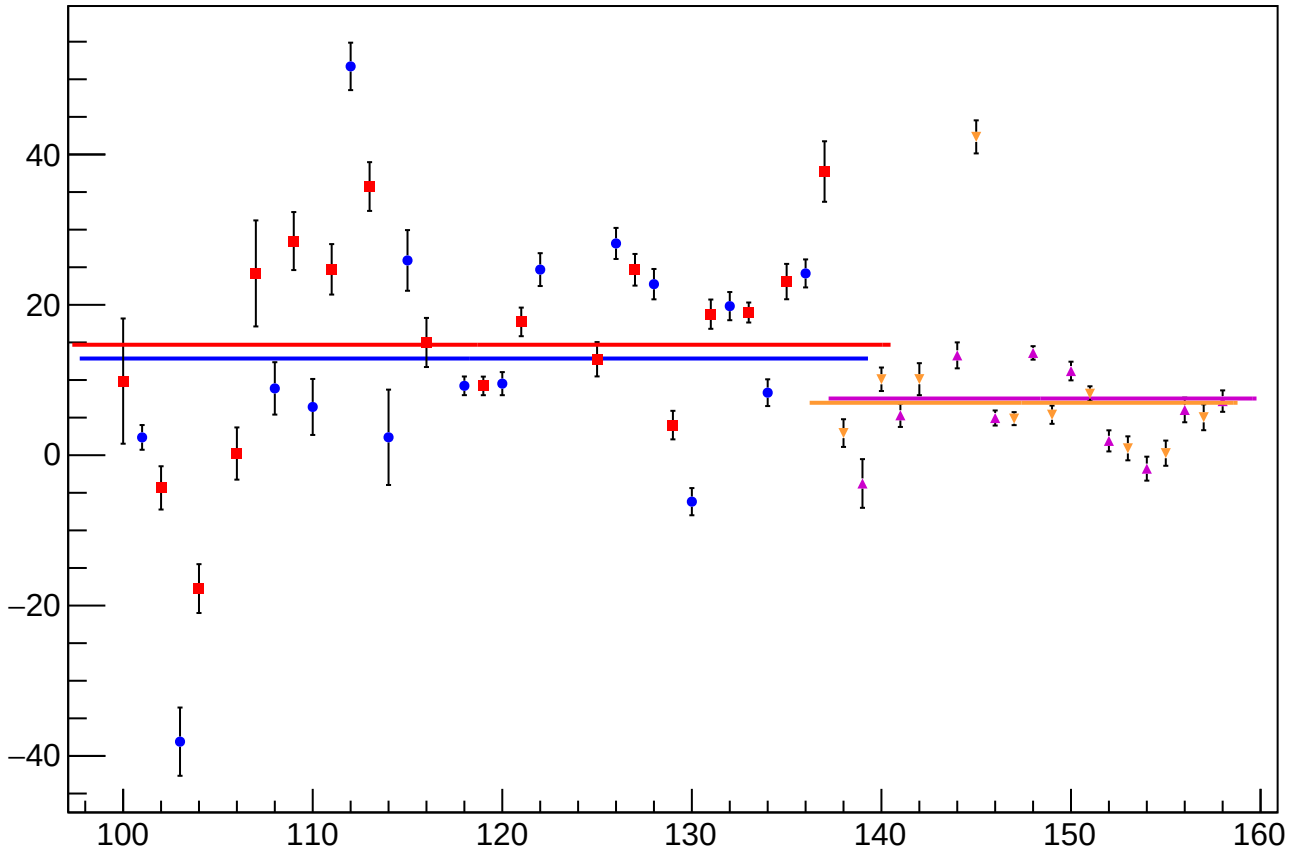
Left: -61.384+/-0.466 χ^2/NDF: 1123.4/19

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -53.539+/-0.412 χ^2/NDF:3419.1/25

Out: -54.915+/-0.424 χ^2/NDF:3765.7/27

All: -54.208+/-0.295 χ^2/NDF: 7190.3/53



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.973+/-0.437 χ^2/NDF:310.3/9

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 7.540+/-0.426 χ^2/NDF:137.8/9

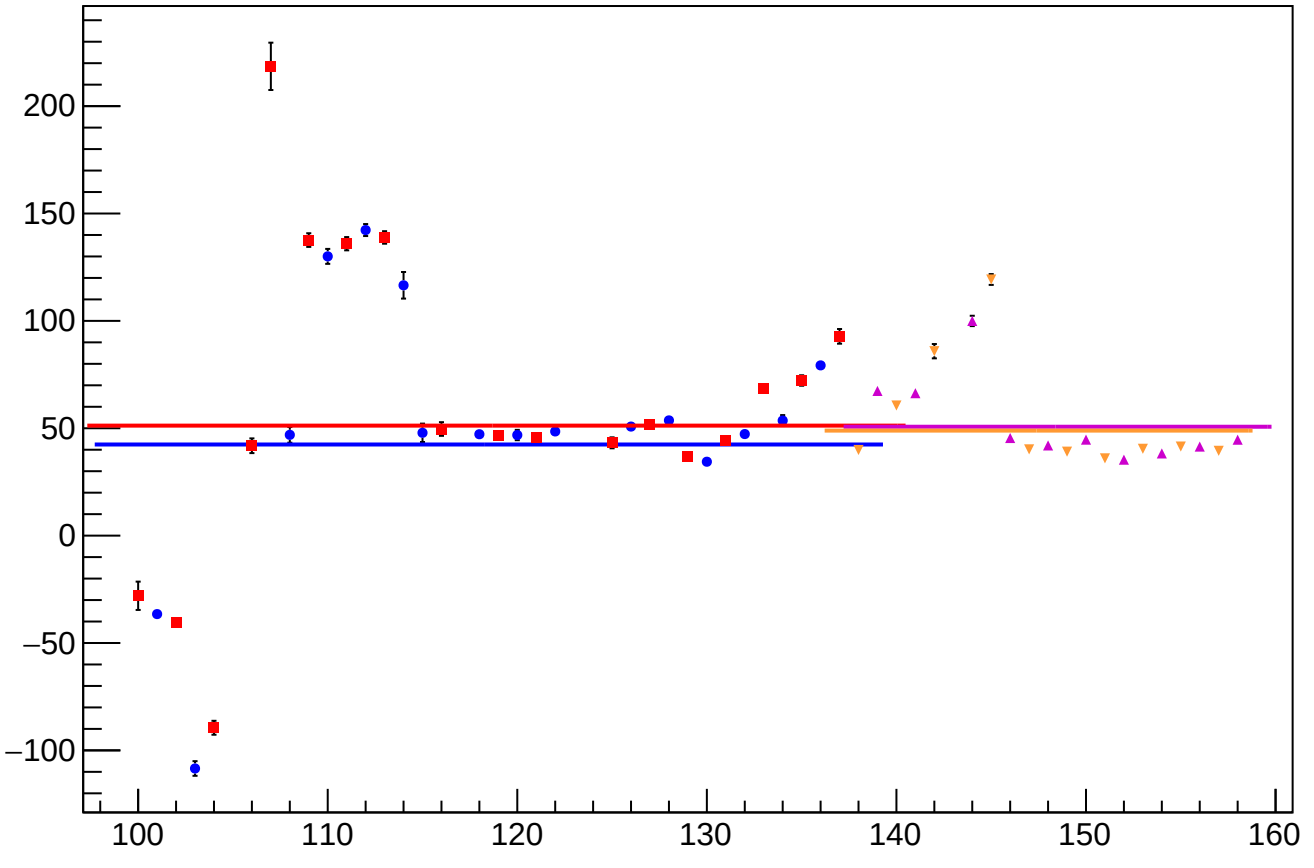
Left: 7.263+/-0.305 χ^2/NDF: 449.0/19

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 9.686+/-0.329 χ^2/NDF:826.0/25

Out: 9.994+/-0.341 χ^2/NDF:796.8/27

All: 9.835+/-0.237 χ^2/NDF: 1623.3/53



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 48.908+/-0.651 χ^2/NDF:1113.5/9

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 50.706+/-0.622 χ^2/NDF:711.4/9

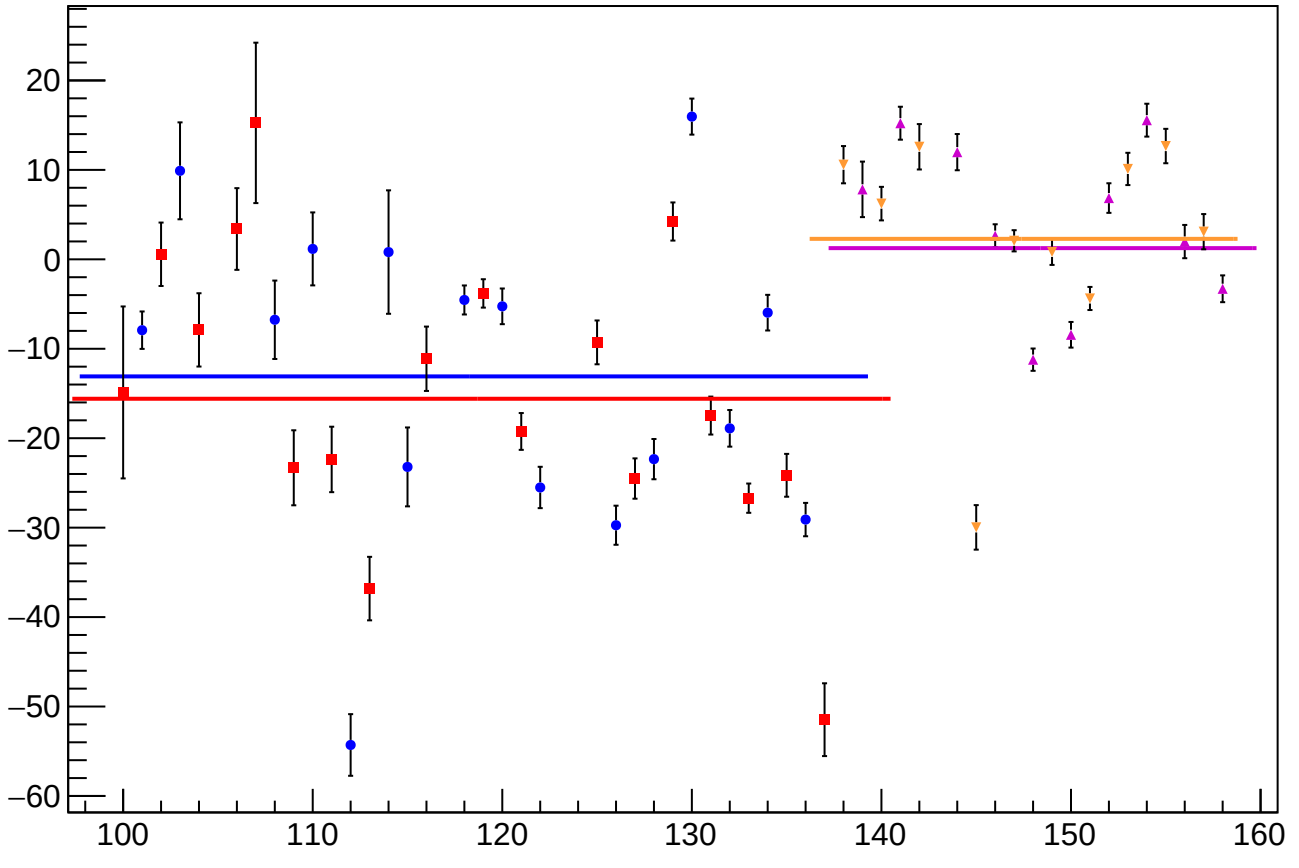
Left: 49.849+/-0.450 χ^2/NDF: 1828.9/19

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 46.315+/-0.426 χ^2/NDF:7974.2/25

Out: 50.134+/-0.447 χ^2/NDF:7731.5/27

All: 48.131+/-0.308 χ^2/NDF: 15744.0/53



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.290+/-0.538 χ^2/NDF:280.4/9

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.252+/-0.515 χ^2/NDF:318.3/9

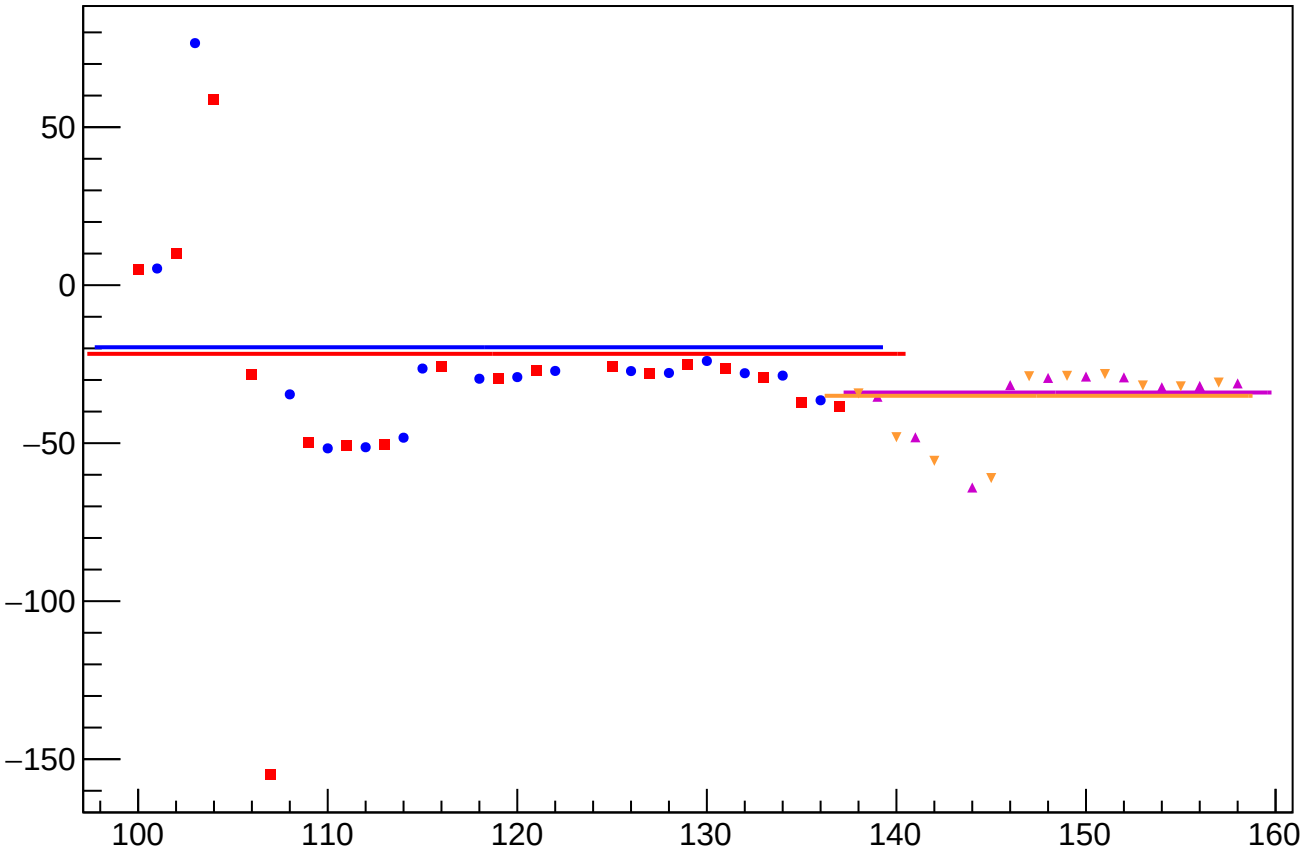
Left: 1.747+/-0.372 χ^2/NDF: 600.6/19

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -4.829+/-0.391 χ^2/NDF:1287.6/25

Out: -5.301+/-0.408 χ^2/NDF:1150.3/27

All: -5.055+/-0.282 χ^2/NDF: 2438.6/53



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -35.004+/-0.025 χ^2/NDF:144424.8/9

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -33.969+/-0.023 χ^2/NDF:121019.7/9

Left: -34.448+/-0.017 χ^2/NDF: 266342.1/19

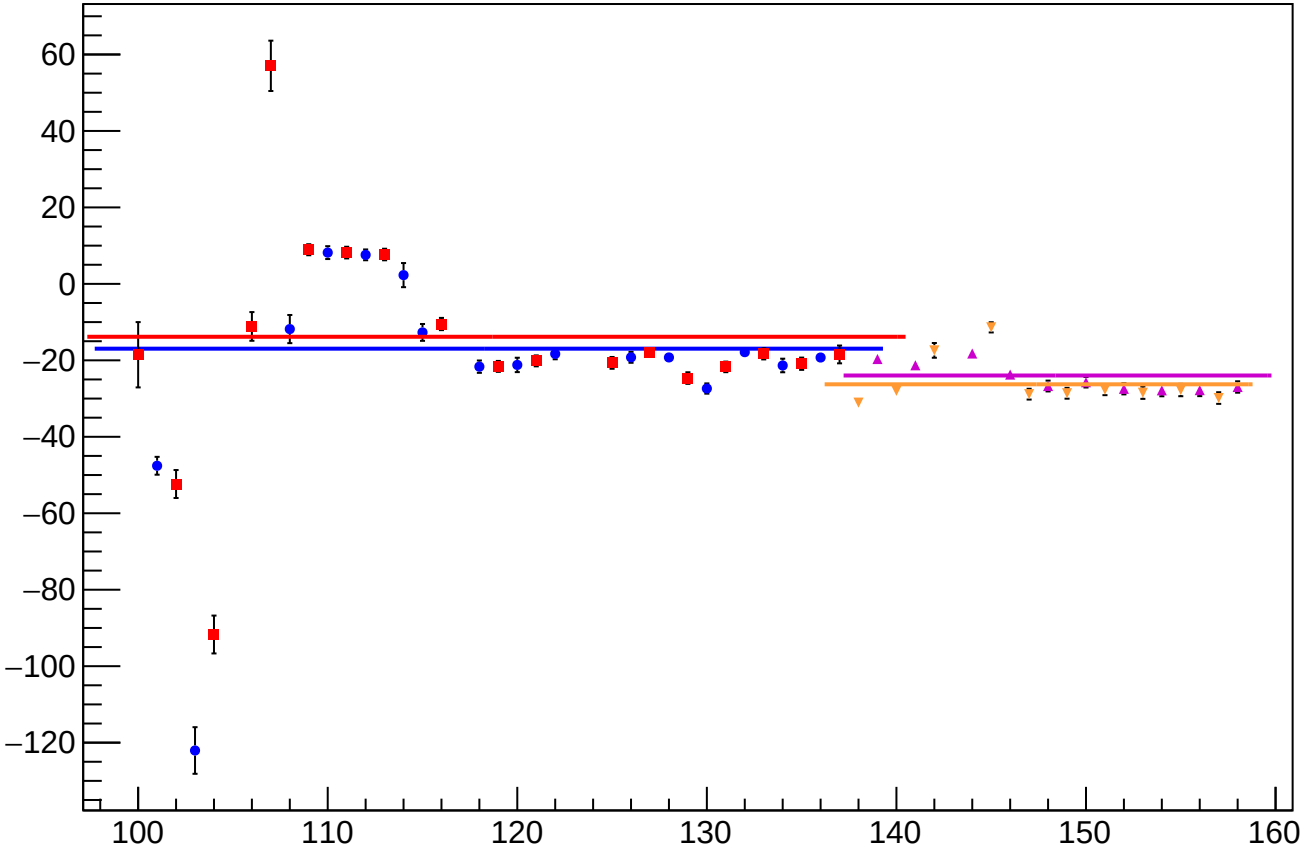
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.713+/-0.020 χ^2/NDF:878564.0/25

Out: -31.050+/-0.021 χ^2/NDF:772893.2/27

All: -30.331+/-0.014 χ^2/NDF: 1653589.6/53

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: -26.270+/-0.449 χ^2/NDF:179.2/9

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -23.965+/-0.434 χ^2/NDF:65.4/9

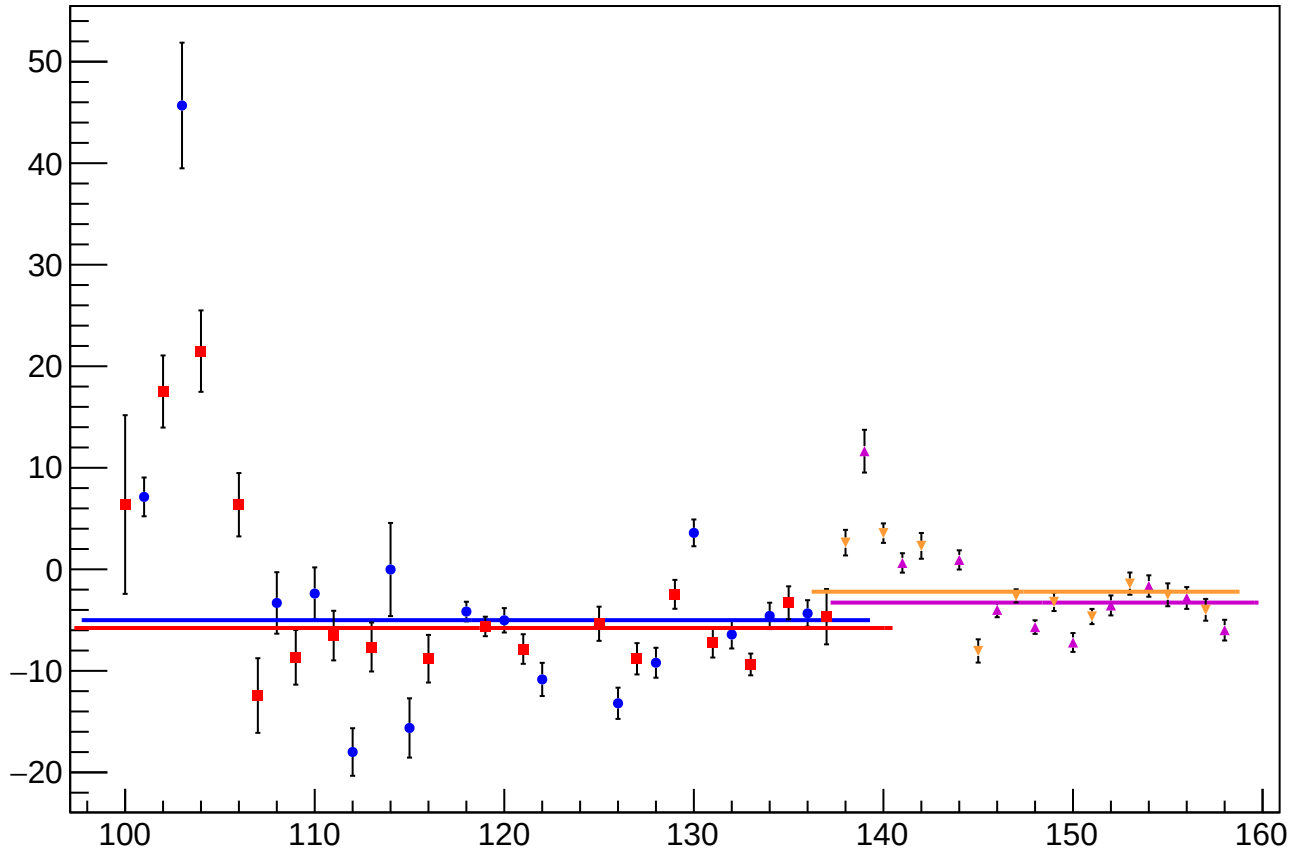
Left: -25.081+/-0.312 χ^2/NDF: 258.2/19

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -20.203+/-0.296 χ^2/NDF:1333.5/25

Out: -19.485+/-0.302 χ^2/NDF:1931.7/27

All: -19.852+/-0.211 χ^2/NDF: 3268.1/53



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.204+/-0.302 χ^2/NDF:105.0/9

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -3.277+/-0.295 χ^2/NDF:128.2/9

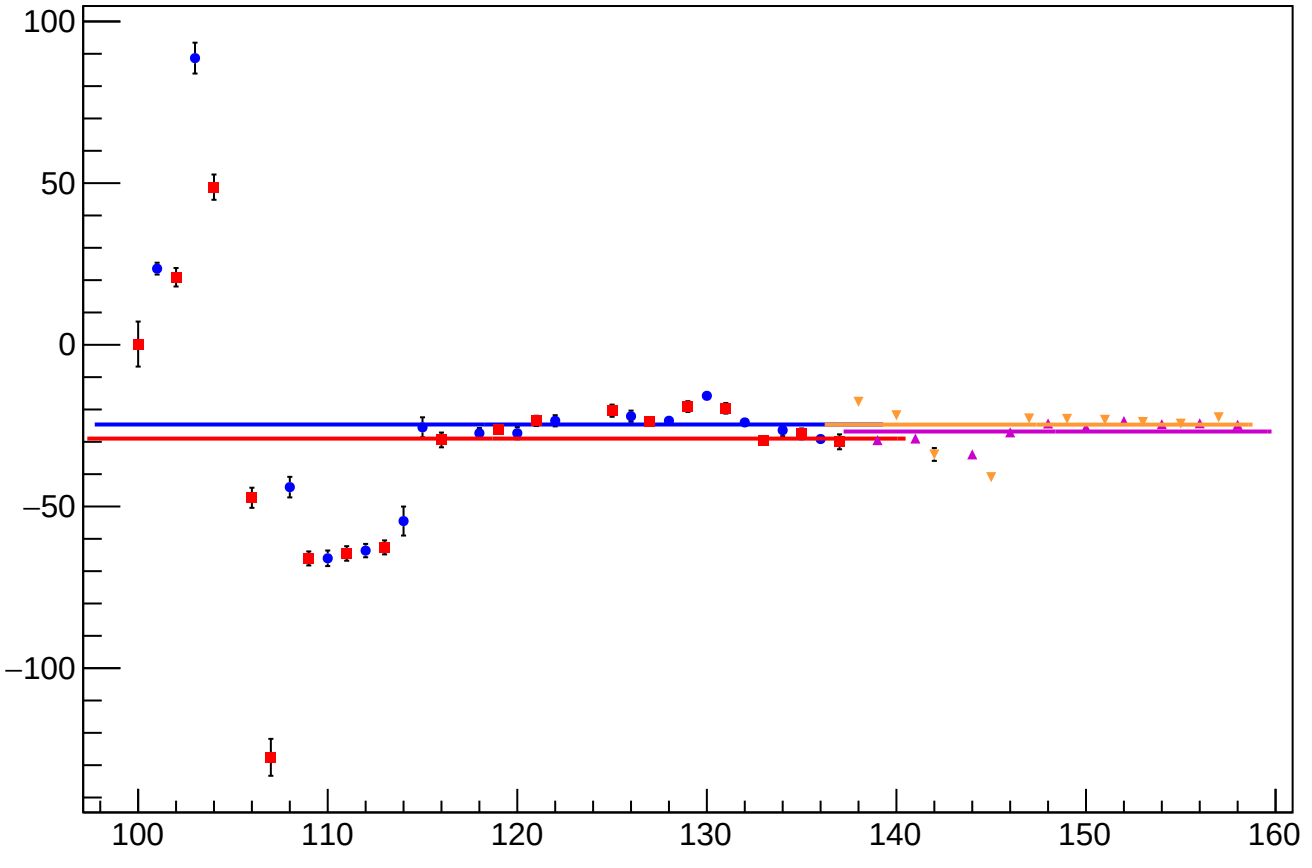
Left: -2.753+/-0.211 χ^2/NDF: 239.6/19

Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.883+/-0.238 χ^2/NDF:388.0/25

Out: -3.426+/-0.245 χ^2/NDF:292.2/27

All: -3.661+/-0.171 χ^2/NDF: 682.0/53



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -24.677+/-0.437 χ^2/NDF:209.8/9

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -26.814+/-0.421 χ^2/NDF:54.1/9

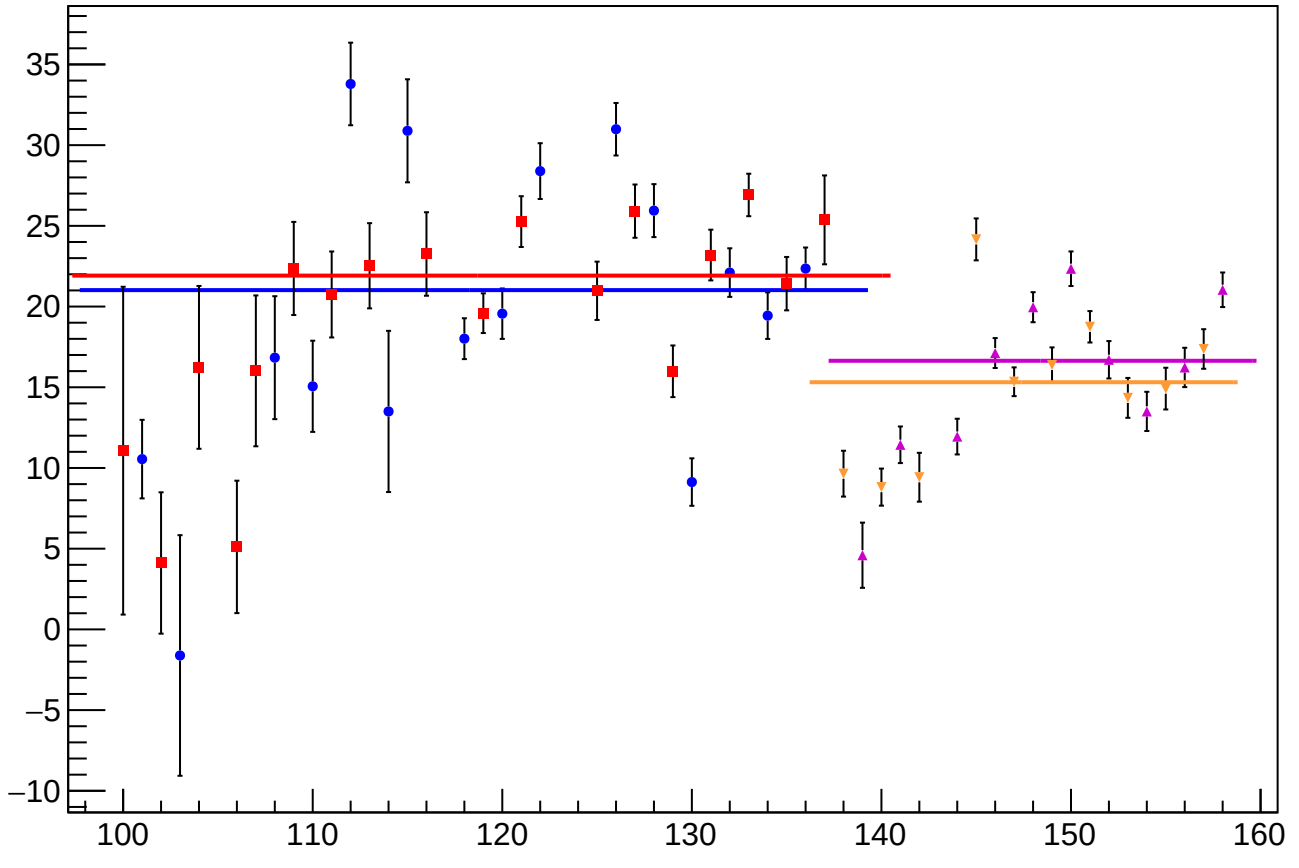
Left: -25.785+/-0.303 χ^2/NDF: 276.2/19

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -25.811+/-0.309 χ^2/NDF:2118.2/25

Out: -26.659+/-0.322 χ^2/NDF:2206.9/27

All: -26.218+/-0.223 χ^2/NDF: 4328.7/53



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.312+/-0.369 χ^2/NDF:126.5/9

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.641+/-0.354 χ^2/NDF:139.6/9

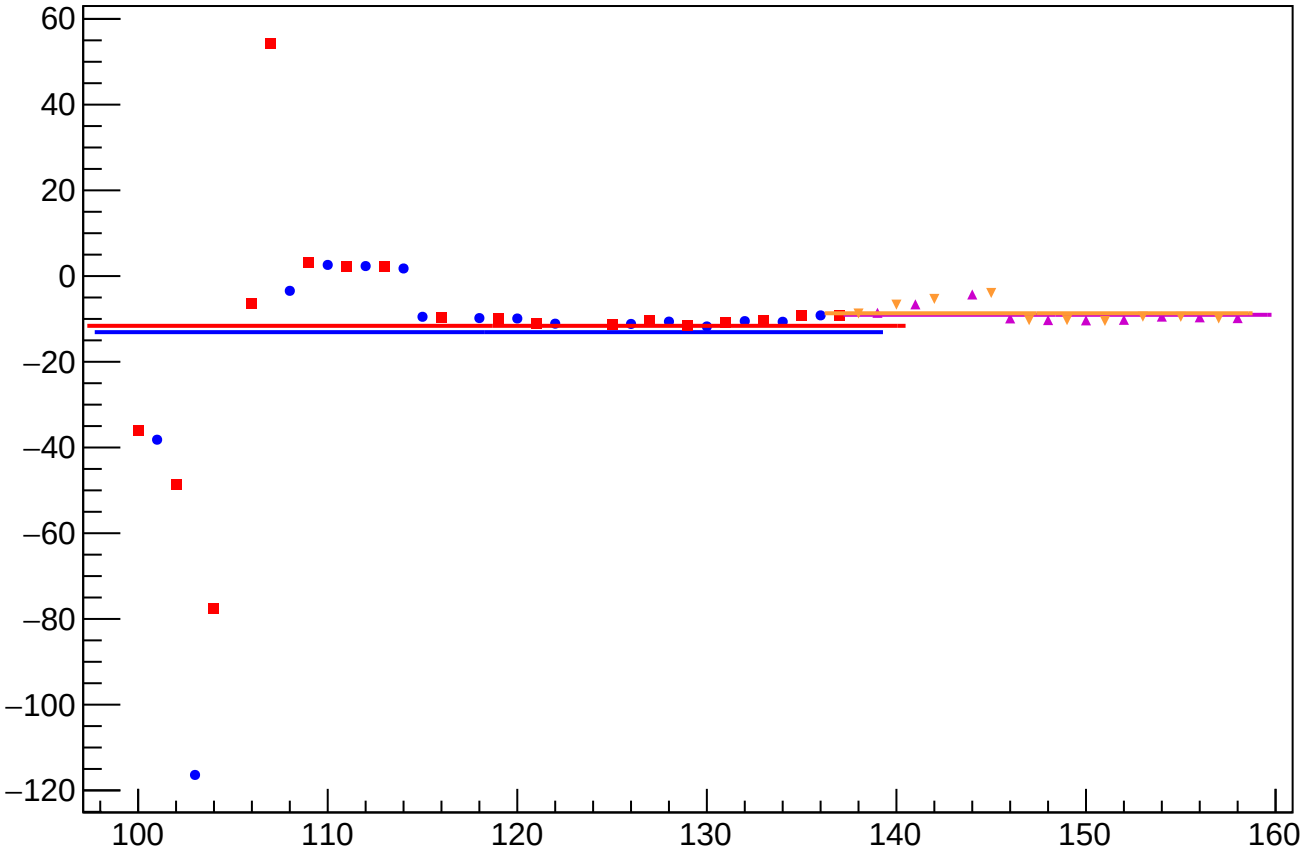
Left: 16.004+/-0.255 χ^2/NDF: 272.9/19

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.275+/-0.280 χ^2/NDF:406.4/25

Out: 17.772+/-0.292 χ^2/NDF:328.7/27

All: 18.034+/-0.202 χ^2/NDF: 736.7/53



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.679+/-0.017 χ^2/NDF:14957.4/9

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.037+/-0.016 χ^2/NDF:11072.9/9

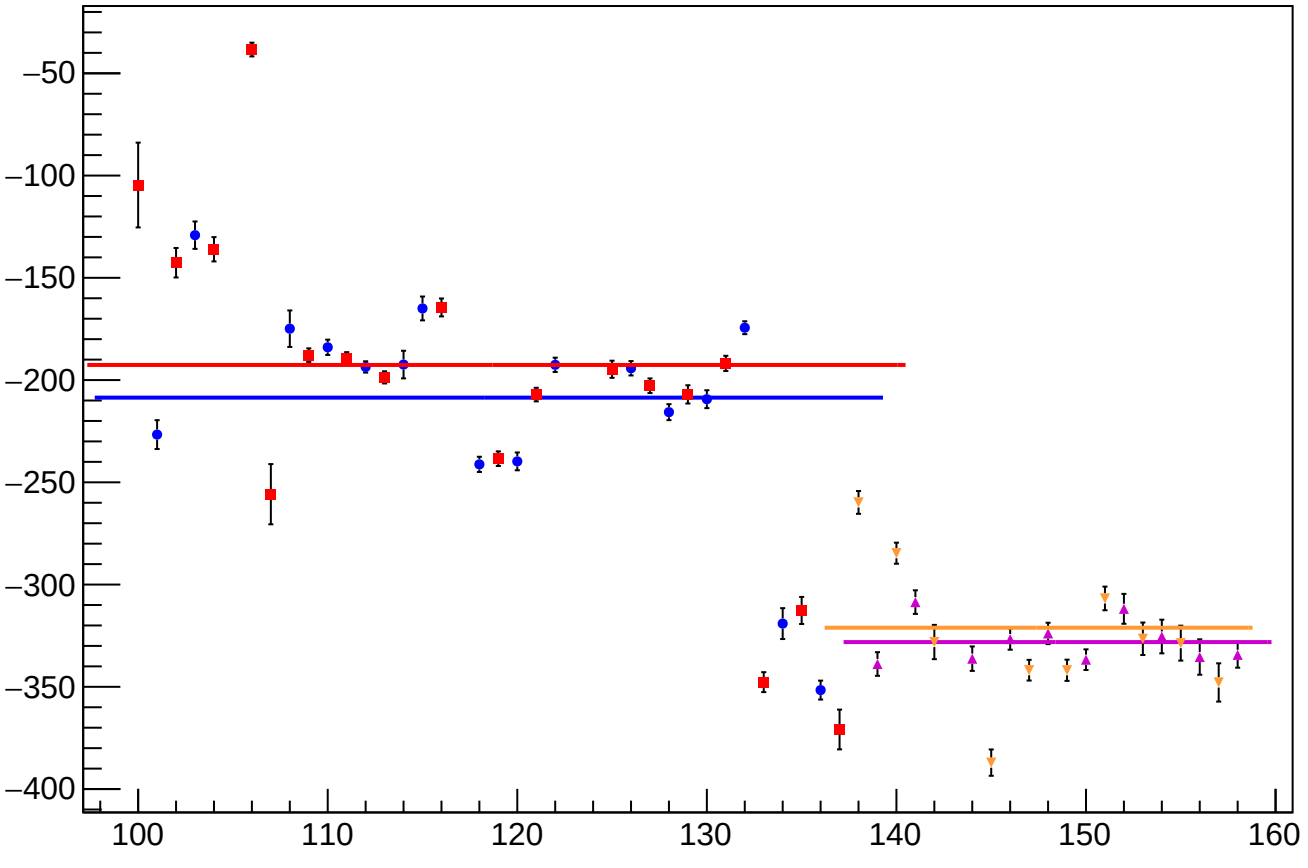
Left: -8.869+/-0.012 χ^2/NDF: 26268.3/19

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.004+/-0.014 χ^2/NDF:371475.2/25

Out: -9.354+/-0.015 χ^2/NDF:336071.2/27

All: -9.700+/-0.010 χ^2/NDF: 708571.7/53



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -321.101+/-1.979 χ^2/NDF:324.7/9

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -328.123+/-1.914 χ^2/NDF:27.2/9

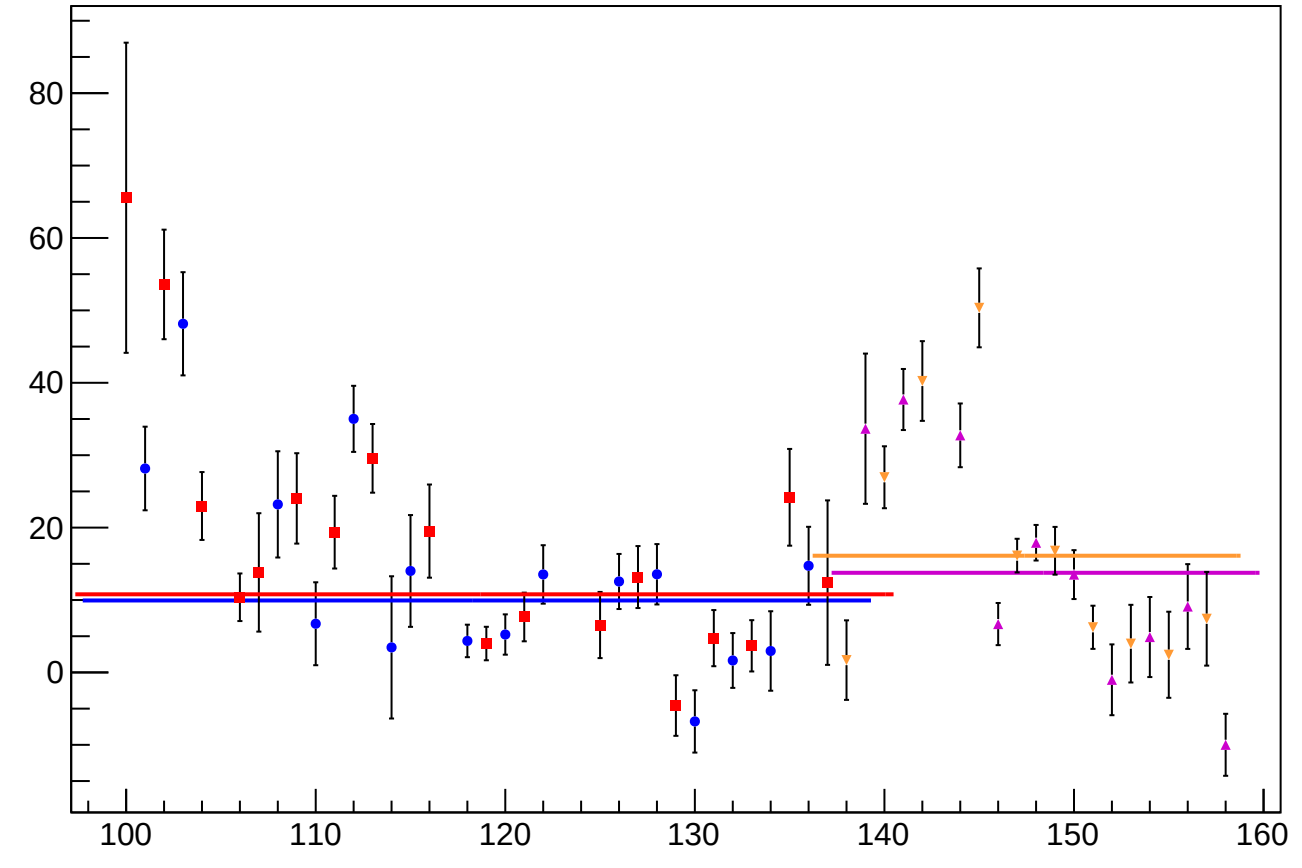
Left: -324.731+/-1.376 χ^2/NDF: 358.3/19

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -236.913+/-0.932 χ^2/NDF:4755.3/25

Out: -218.694+/-0.892 χ^2/NDF:7889.9/27

All: -227.405+/-0.644 χ^2/NDF: 12844.8/53



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 16.118+/-1.259 χ^2/NDF:95.3/9

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 13.760+/-1.243 χ^2/NDF:106.4/9

Left: 14.924+/-0.885 χ^2/NDF: 203.4/19

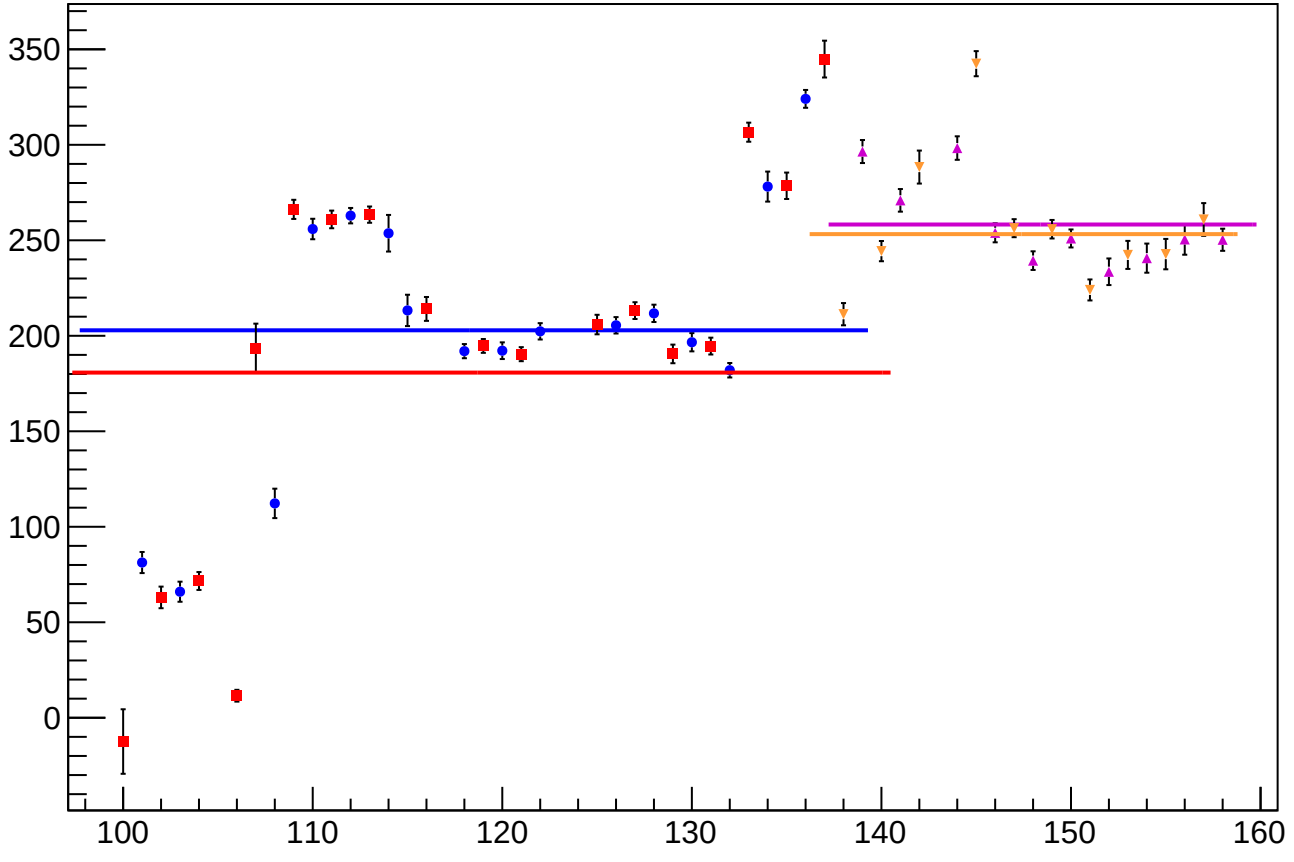
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 11.556+/-0.809 χ^2/NDF:218.4/25

Out: 12.959+/-0.803 χ^2/NDF:211.0/27

All: 12.262+/-0.570 χ^2/NDF: 430.9/53

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: 253.234+/-1.924 χ^2/NDF:289.2/9

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 258.267+/-1.848 χ^2/NDF:126.1/9

Left: 255.852+/-1.333 χ^2/NDF: 418.8/19

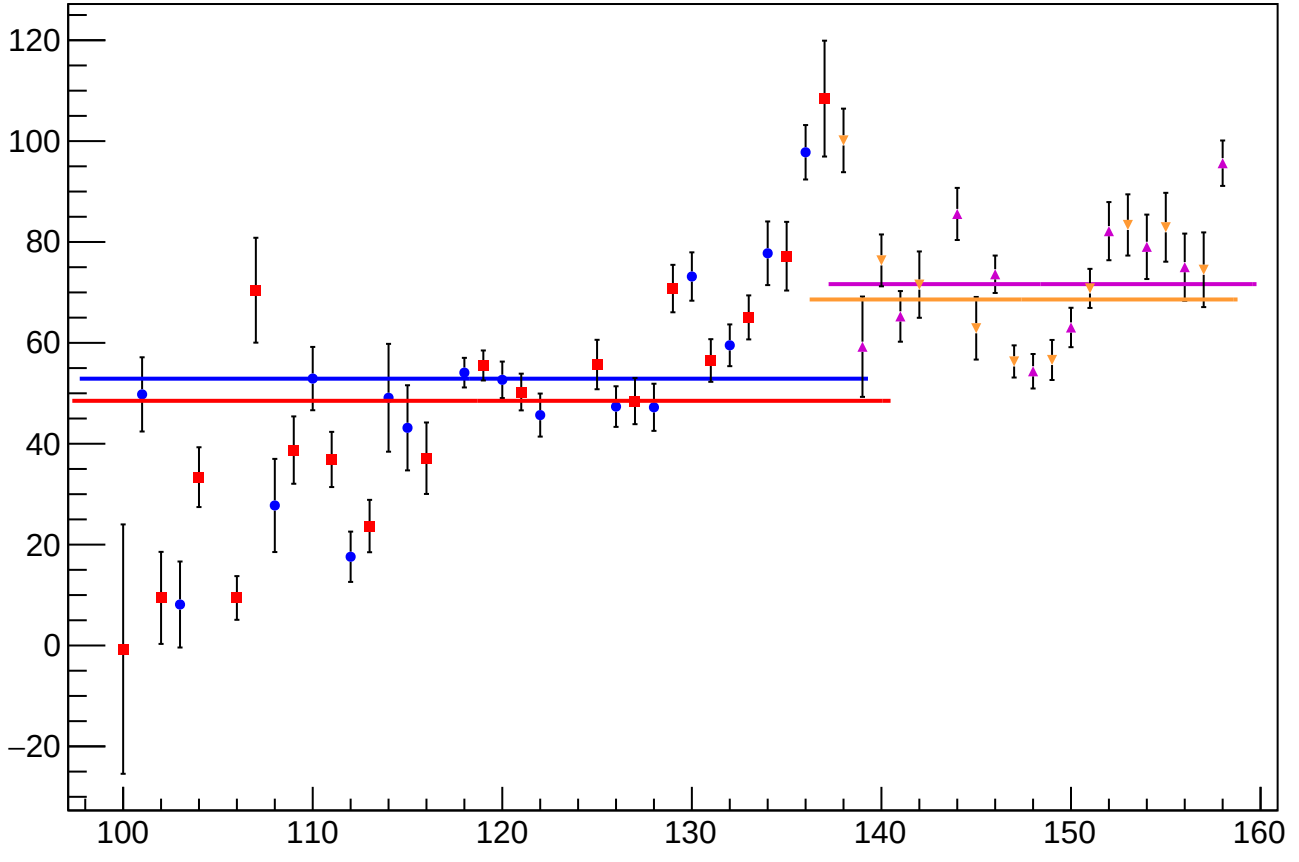
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 219.801+/-1.021 χ^2/NDF:3214.5/25

Out: 199.663+/-0.983 χ^2/NDF:7686.6/27

All: 209.348+/-0.708 χ^2/NDF: 11103.0/53

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: 68.602+/-1.567 χ^2/NDF:63.6/9

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 71.645+/-1.512 χ^2/NDF:74.4/9

Left: 70.178+/-1.088 χ^2/NDF: 139.9/19

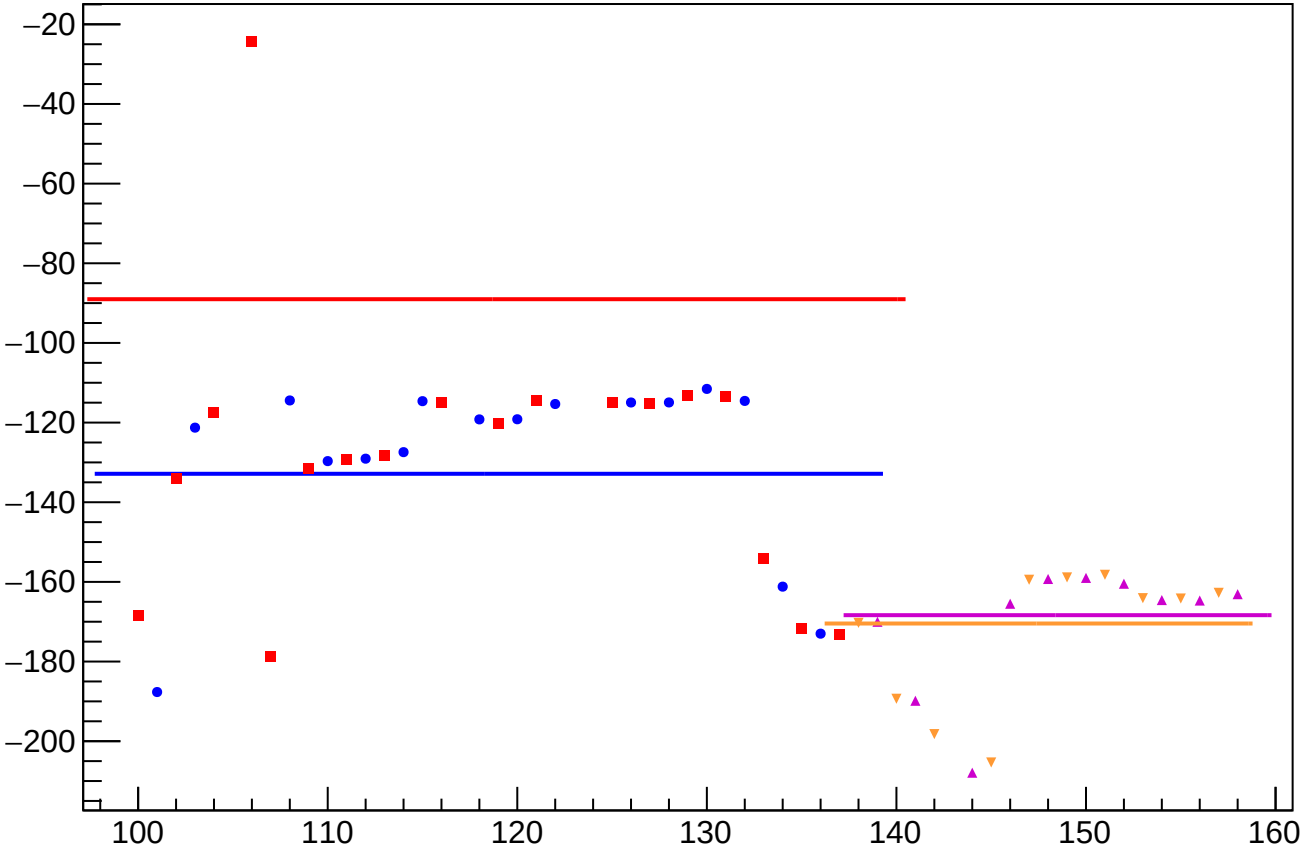
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 60.450+/-0.959 χ^2/NDF:364.5/25

Out: 56.050+/-0.960 χ^2/NDF:406.3/27

All: 58.251+/-0.679 χ^2/NDF: 781.4/53

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -170.450+/-0.077 χ^2/NDF:41521.0/9

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -168.356+/-0.071 χ^2/NDF:35239.4/9

Left: -169.322+/-0.052 χ^2/NDF: 77159.5/19

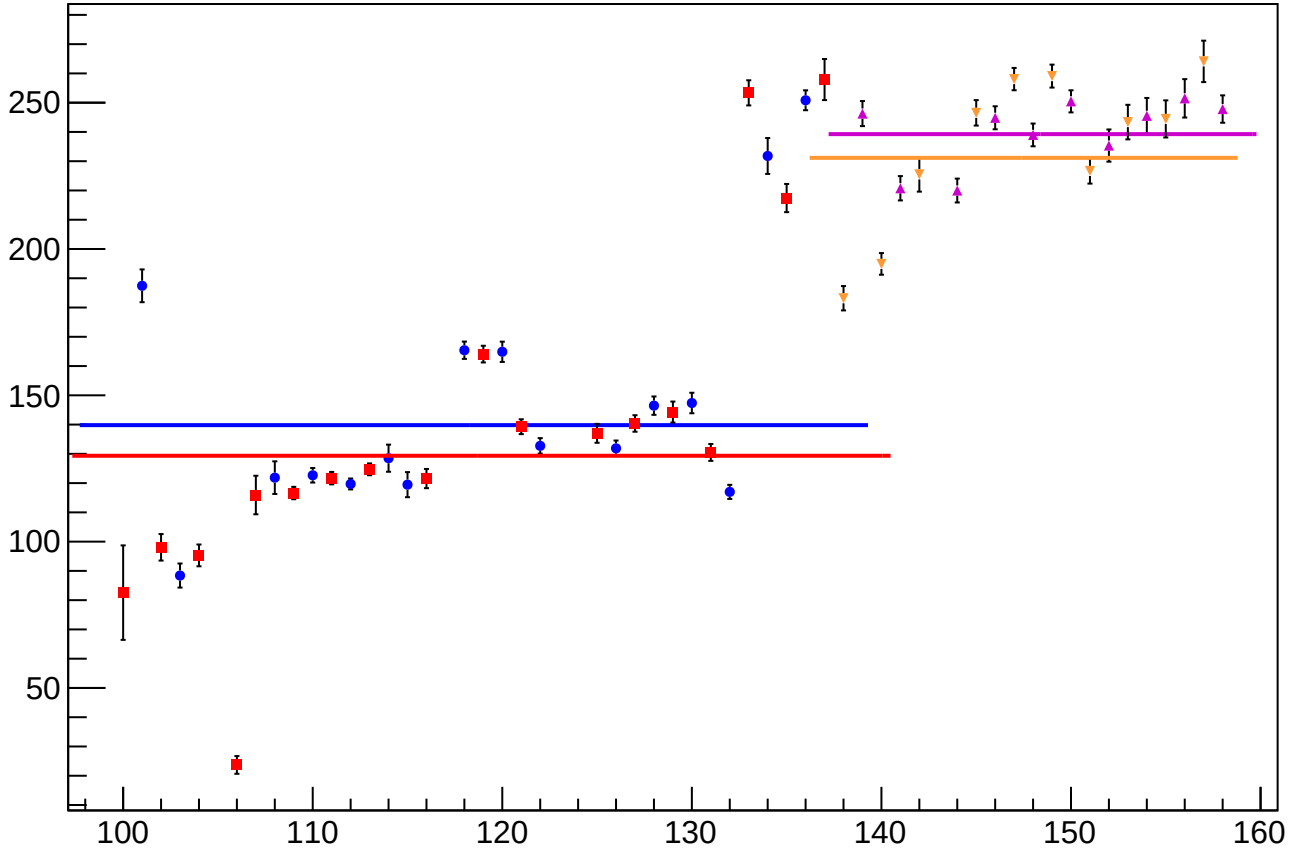
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -152.960+/-0.054 χ^2/NDF:236571.3/25

Out: -122.422+/-0.049 χ^2/NDF:1430196.1/27

All: -136.418+/-0.036 χ^2/NDF: 1842761.2/53

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: 231.144+/-1.454 χ^2/NDF:374.2/9

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 239.250+/-1.411 χ^2/NDF:64.0/9

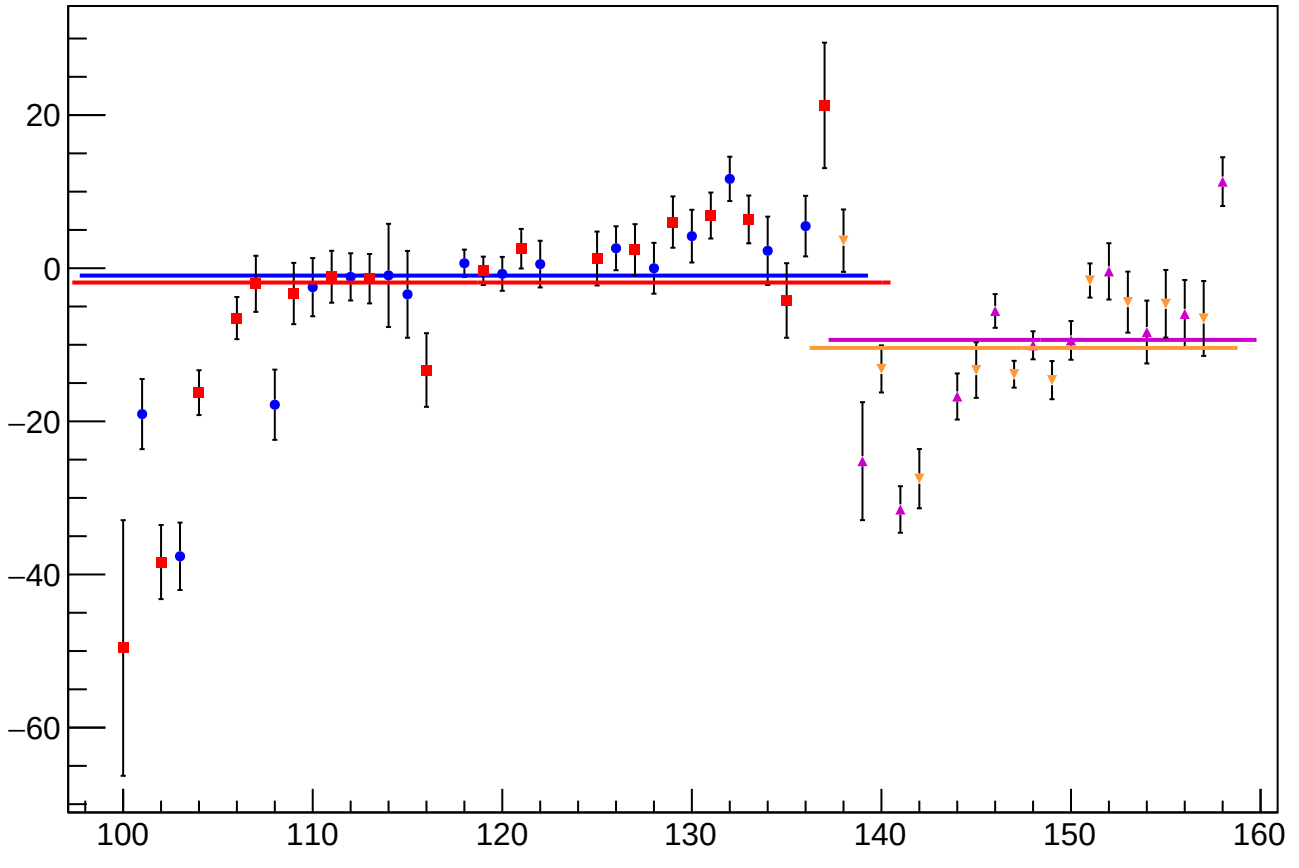
Left: 235.318+/-1.013 χ^2/NDF: 454.2/19

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 163.292+/-0.686 χ^2/NDF:5822.5/25

Out: 150.035+/-0.655 χ^2/NDF:7404.7/27

All: 156.364+/-0.474 χ^2/NDF: 13422.5/53



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -10.411+/-0.932 χ^2/NDF:59.5/9

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -9.359+/-0.921 χ^2/NDF:115.1/9

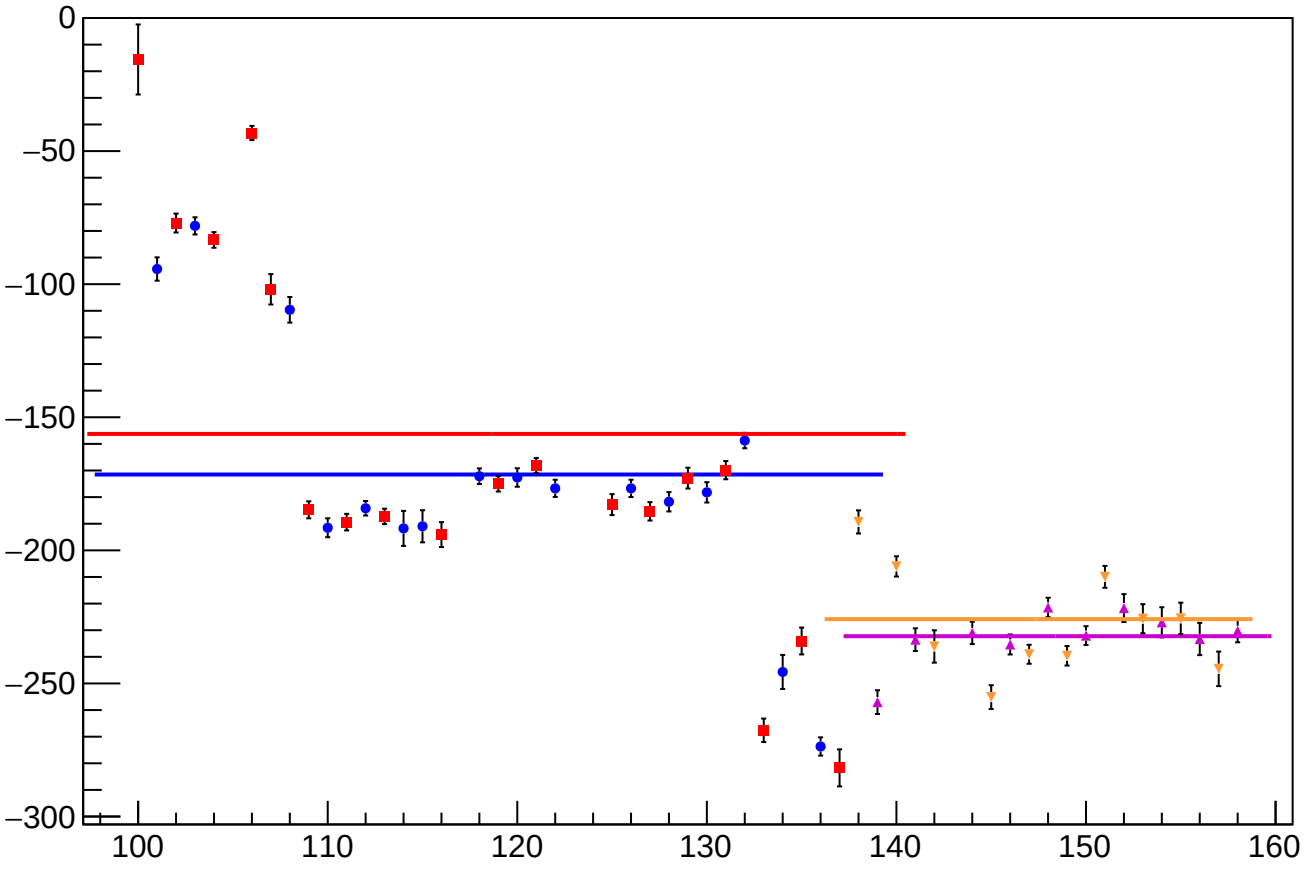
Left: -9.879+/-0.655 χ^2/NDF: 175.3/19

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -4.617+/-0.607 χ^2/NDF:288.1/25

Out: -5.408+/-0.600 χ^2/NDF:242.0/27

All: -5.018+/-0.427 χ^2/NDF: 531.0/53



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -225.847+/-1.417 χ^2/NDF:195.1/9

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -232.256+/-1.365 χ^2/NDF:45.6/9

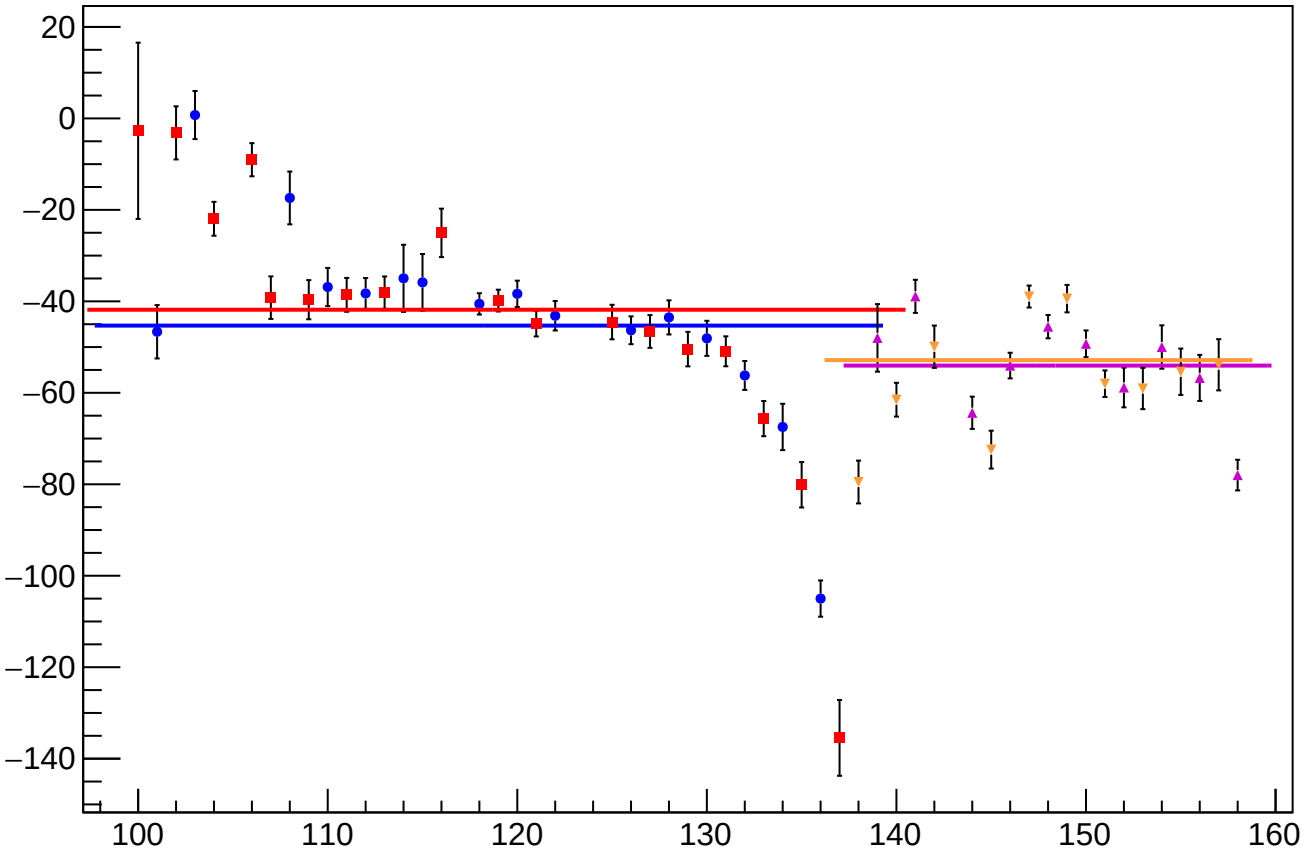
Left: -229.171+/-0.983 χ^2/NDF: 251.3/19

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -190.113+/-0.755 χ^2/NDF:3863.0/25

Out: -174.597+/-0.727 χ^2/NDF:6876.7/27

All: -182.061+/-0.524 χ^2/NDF: 10958.7/53



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -52.860+/-1.157 χ^2/NDF:119.5/9

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -54.048+/-1.119 χ^2/NDF:93.8/9

Left: -53.474+/-0.804 χ^2/NDF: 213.9/19

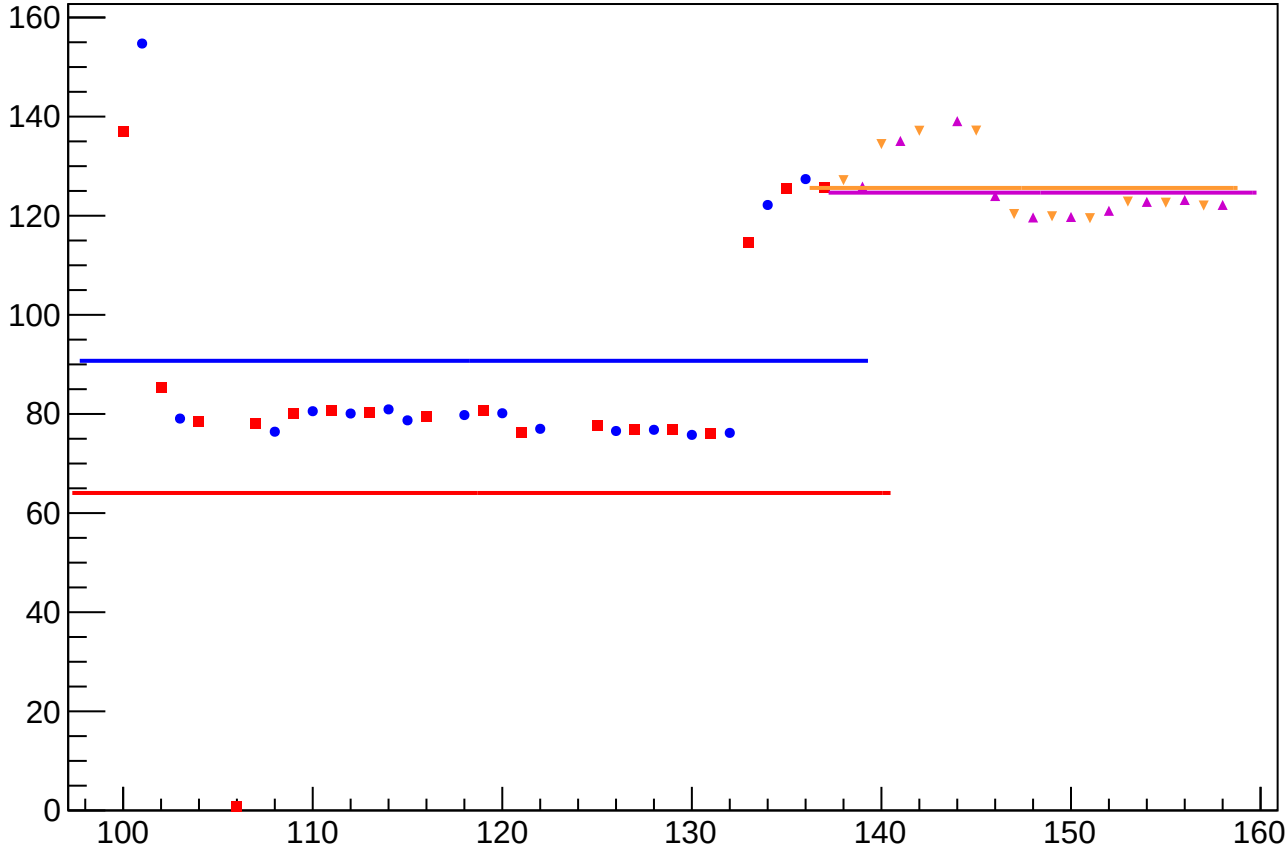
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -48.913+/-0.719 χ^2/NDF:511.7/25

Out: -46.043+/-0.715 χ^2/NDF:589.9/27

All: -47.471+/-0.507 χ^2/NDF: 1109.7/53

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: 125.608+/-0.057 χ^2/NDF:13826.3/9

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 124.656+/-0.053 χ^2/NDF:12656.0/9

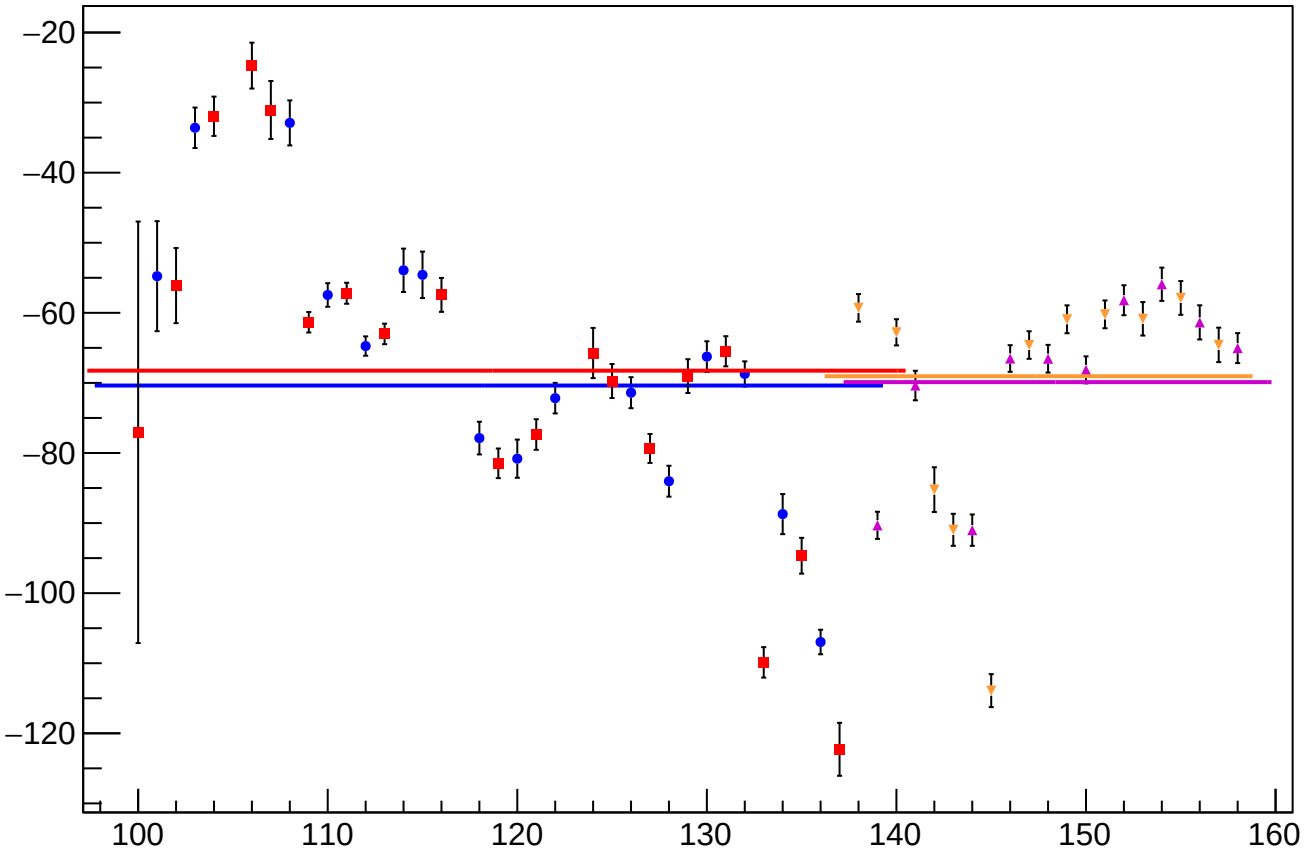
Left: 125.097+/-0.039 χ^2/NDF: 26633.6/19

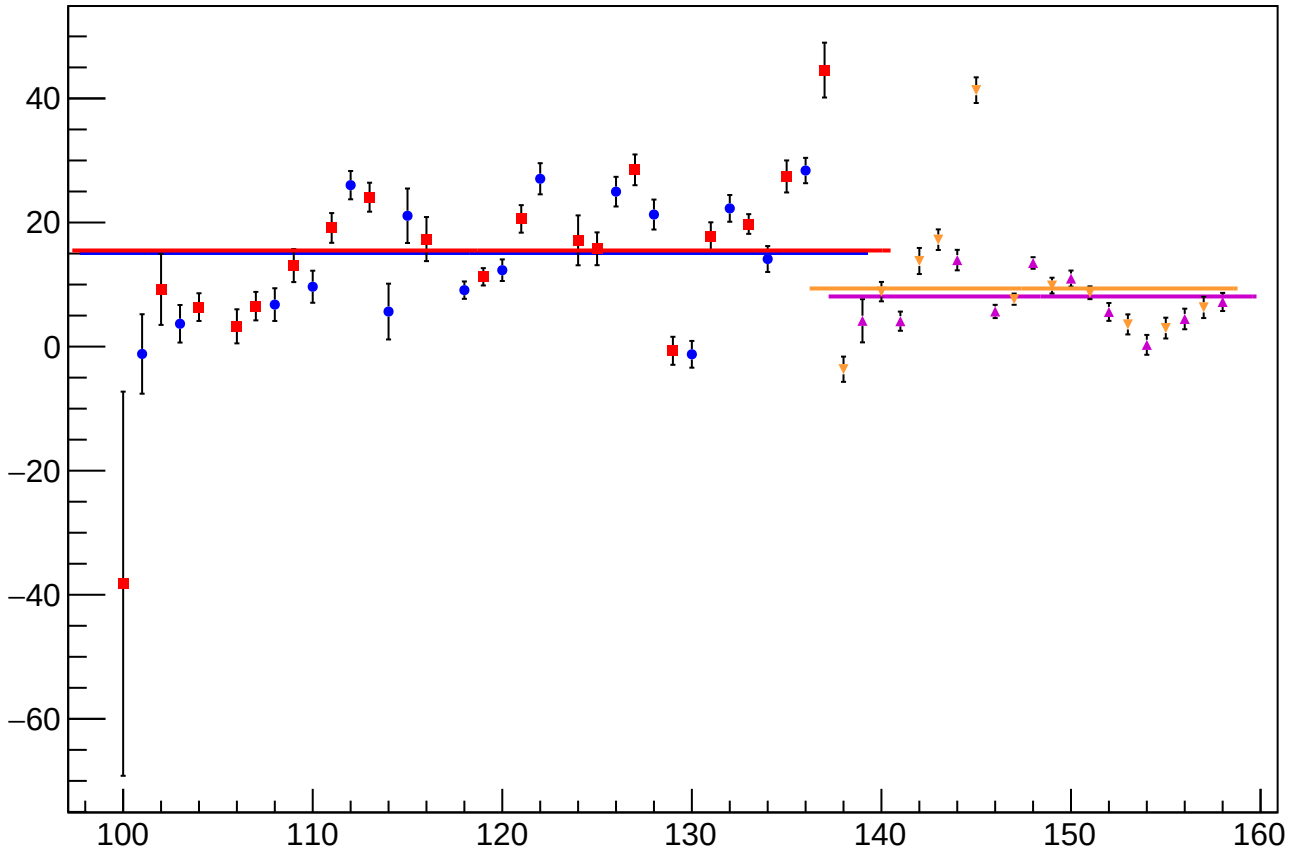
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 109.443+/-0.039 χ^2/NDF:359488.7/25

Out: 90.547+/-0.037 χ^2/NDF:1345638.0/27

All: 99.512+/-0.027 χ^2/NDF: 1827509.2/53


reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -70.374+/-0.558 χ²/NDF: 974.9/15
Left Out: -69.048+/-0.660 χ²/NDF:594.6/10
Right Out: -68.252+/-0.527 χ²/NDF: 1306.0/18
Left In: -69.887+/-0.663 χ²/NDF:289.2/9
Left: -69.466+/-0.468 χ²/NDF: 884.6/20
Right: -69.252+/-0.383 χ²/NDF: 2288.5/34
In: -70.172+/-0.427 χ²/NDF:1264.4/25
Out: -68.561+/-0.412 χ²/NDF:1901.4/29
All: -69.338+/-0.296 χ²/NDF: 3173.2/55



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 9.368+/-0.433 χ^2/NDF:341.3/10

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 8.080+/-0.439 χ^2/NDF:95.9/9

Left: 8.732+/-0.308 χ^2/NDF: 441.6/20

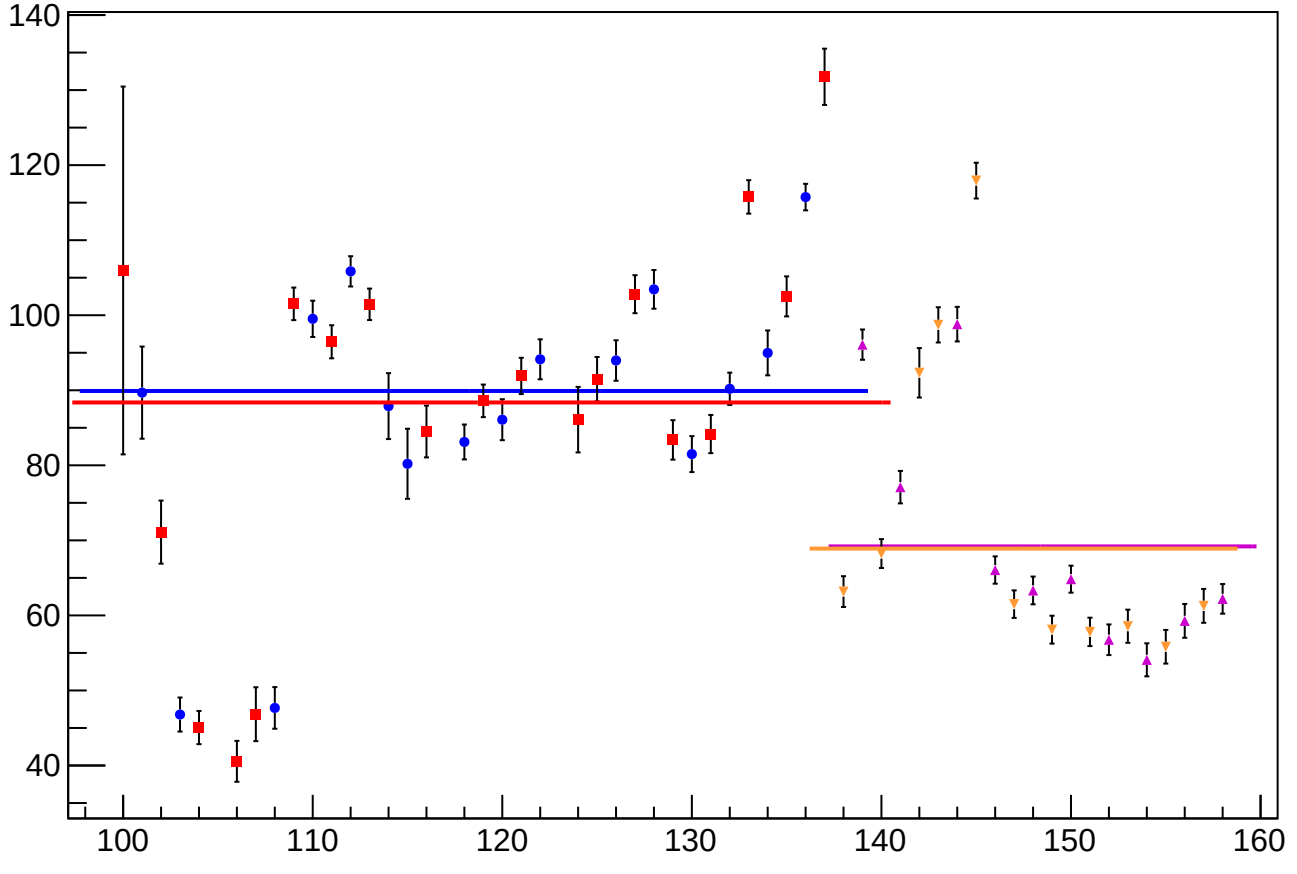
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 10.627+/-0.350 χ^2/NDF:431.2/25

Out: 11.670+/-0.342 χ^2/NDF:655.7/29

All: 11.160+/-0.245 χ^2/NDF: 1091.4/55

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 68.903+/-0.642 χ^2/NDF:794.9/10

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 69.196+/-0.639 χ^2/NDF:491.4/9

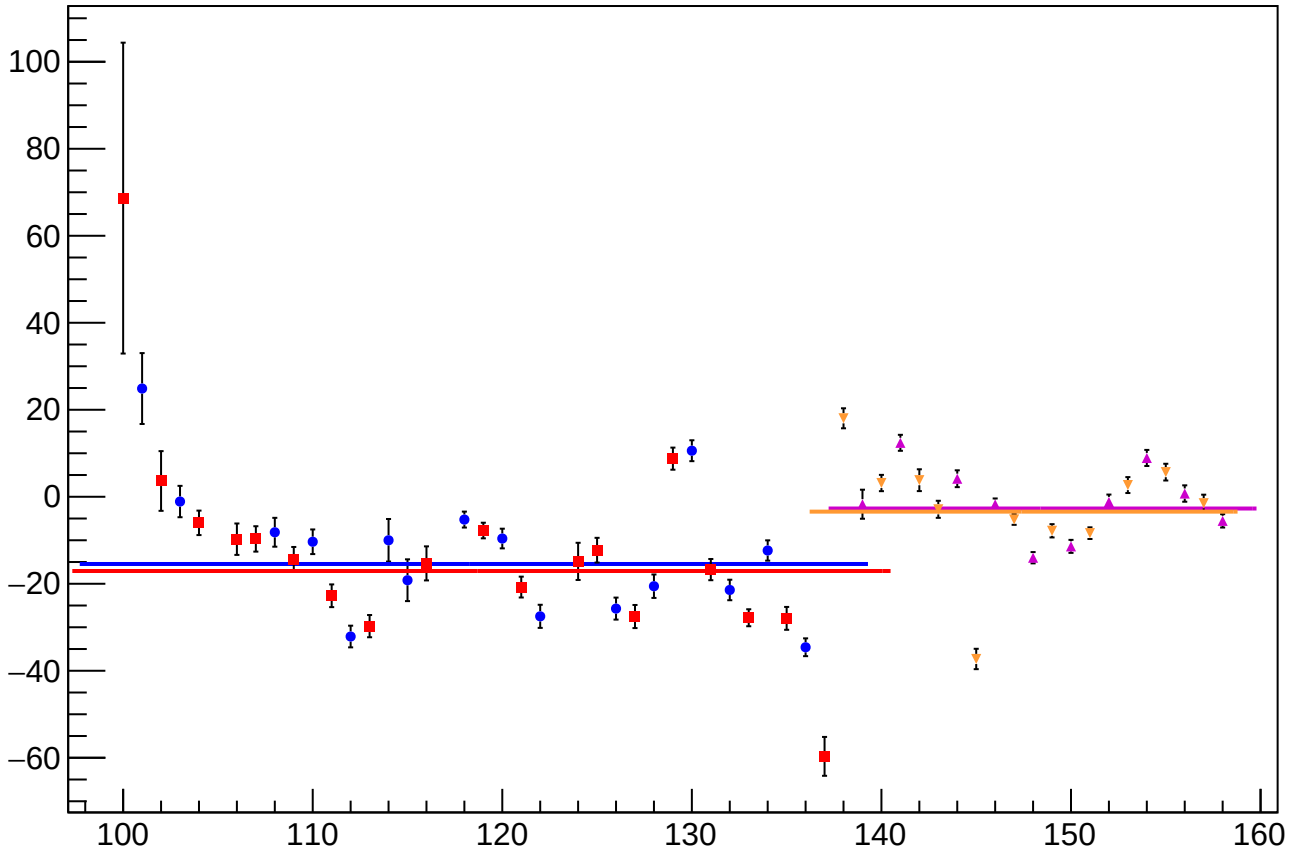
Left: 69.050+/-0.453 χ^2/NDF: 1286.3/20

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 79.519+/-0.452 χ^2/NDF:1963.2/25

Out: 79.024+/-0.445 χ^2/NDF:2561.4/29

All: 79.267+/-0.317 χ^2/NDF: 4525.2/55



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.417+/-0.532 χ^2/NDF:375.3/10

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.702+/-0.528 χ^2/NDF:237.8/9

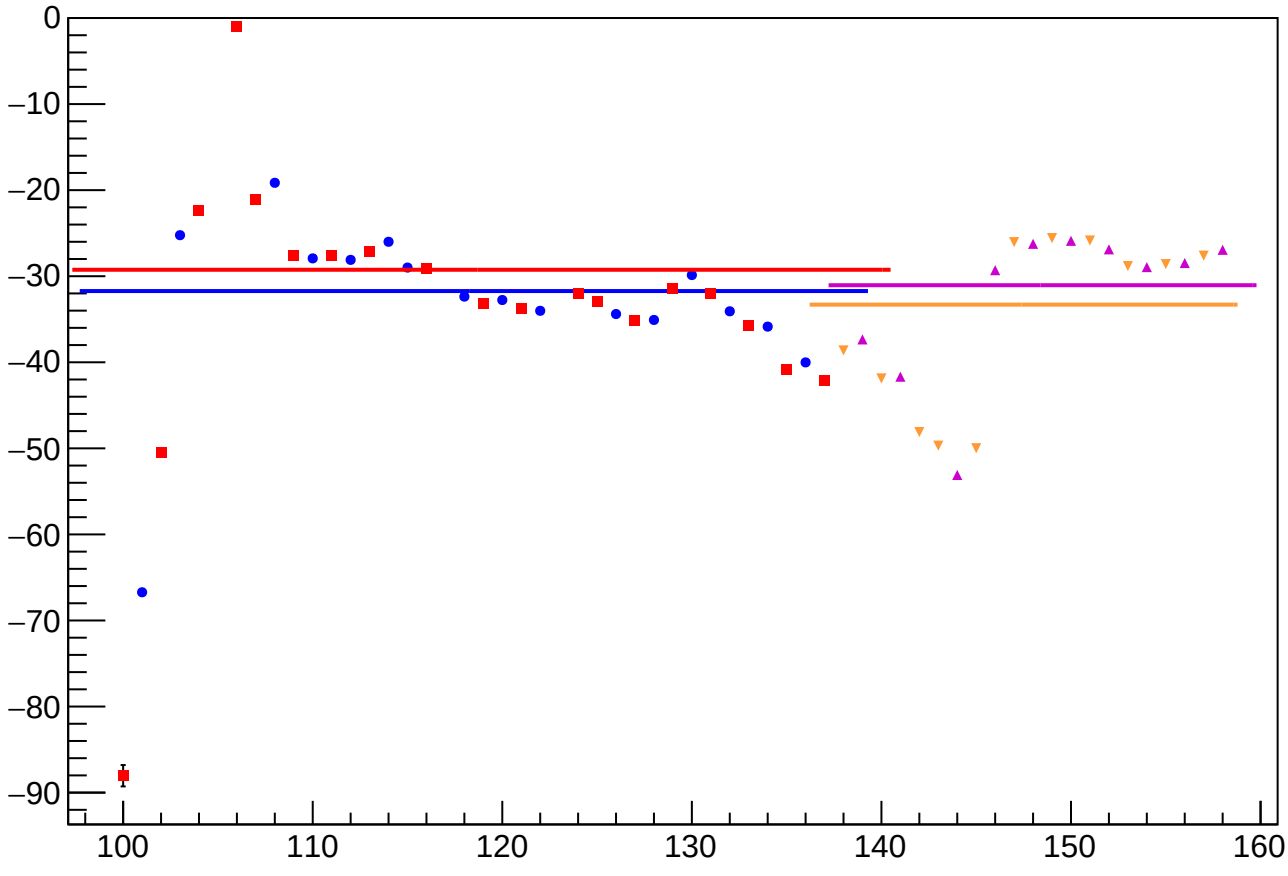
Left: -3.058+/-0.375 χ^2/NDF: 614.0/20

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -7.633+/-0.414 χ^2/NDF:849.5/25

Out: -8.953+/-0.410 χ^2/NDF:1003.6/29

All: -8.299+/-0.291 χ^2/NDF: 1858.2/55



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -33.302+/-0.025 χ^2/NDF:127350.0/10

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -31.046+/-0.024 χ^2/NDF:86306.3/9

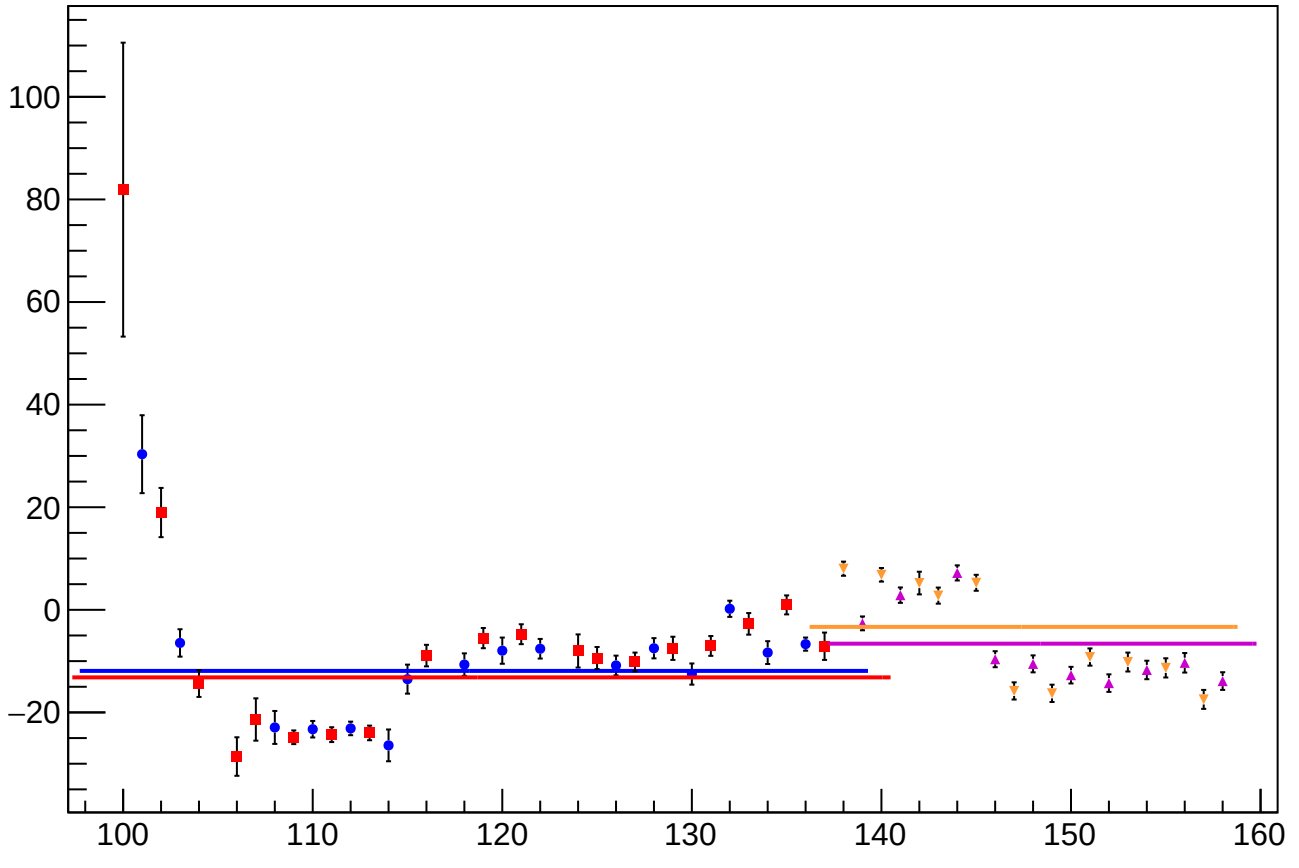
Left: -32.132+/-0.017 χ^2/NDF: 217867.0/20

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -31.237+/-0.020 χ^2/NDF:126166.1/25

Out: -32.094+/-0.021 χ^2/NDF:230391.0/29

All: -31.655+/-0.015 χ^2/NDF: 357413.7/55



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.325+/-0.497 χ^2/NDF:404.3/10

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -6.600+/-0.508 χ^2/NDF:209.5/9

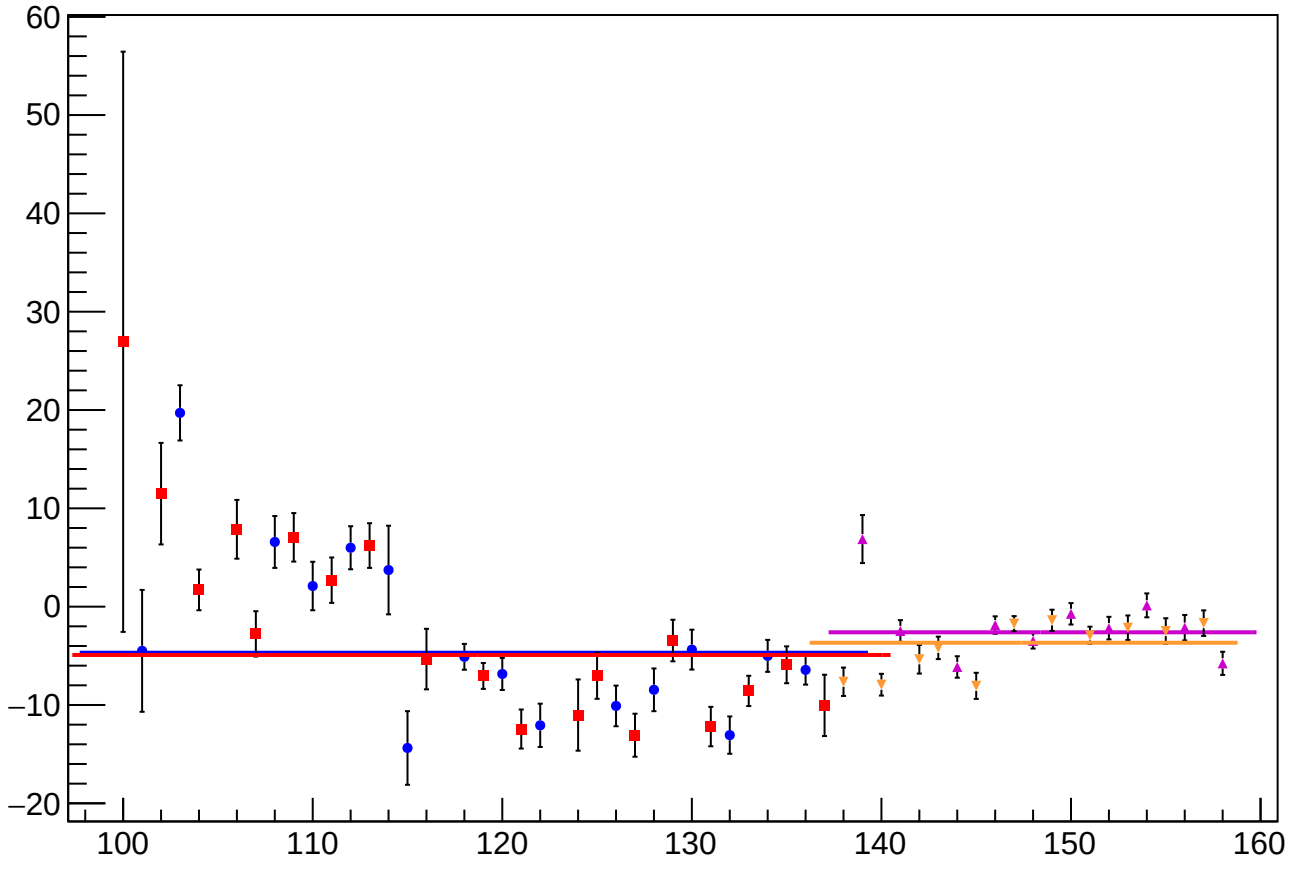
Left: -4.924+/-0.355 χ^2/NDF: 635.0/20

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -9.315+/-0.355 χ^2/NDF:547.3/25

Out: -8.413+/-0.345 χ^2/NDF:1028.9/29

All: -8.851+/-0.248 χ^2/NDF: 1579.5/55



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -3.670+/-0.338 χ^2/NDF:51.1/10

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.607+/-0.346 χ^2/NDF:43.0/9

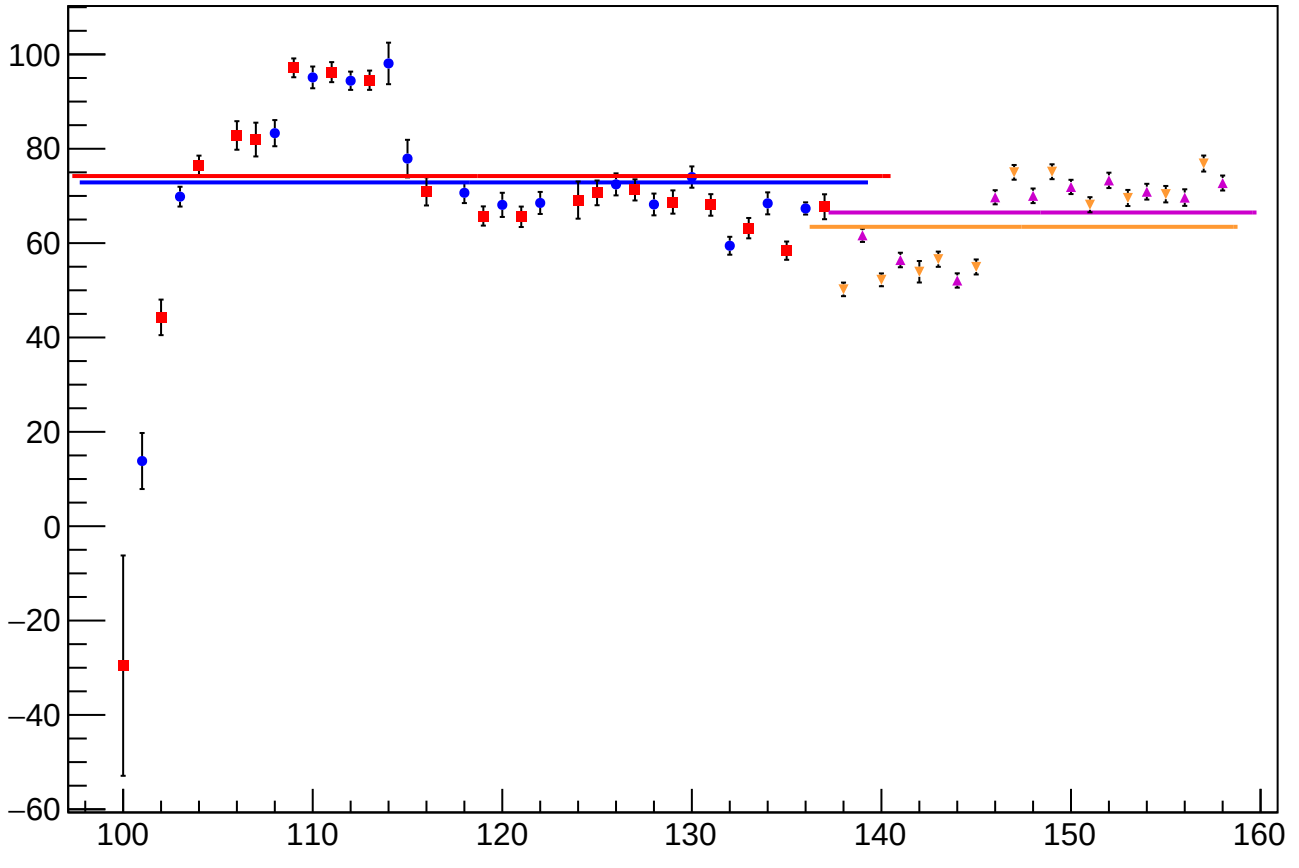
Left: -3.152+/-0.242 χ^2/NDF: 98.9/20

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.252+/-0.288 χ^2/NDF:233.2/25

Out: -4.047+/-0.282 χ^2/NDF:211.0/29

All: -3.657+/-0.202 χ^2/NDF: 448.1/55



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.456+/-0.487 χ^2/NDF:426.2/10

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 66.488+/-0.493 χ^2/NDF:210.3/9

Left: 64.953+/-0.347 χ^2/NDF: 655.7/20

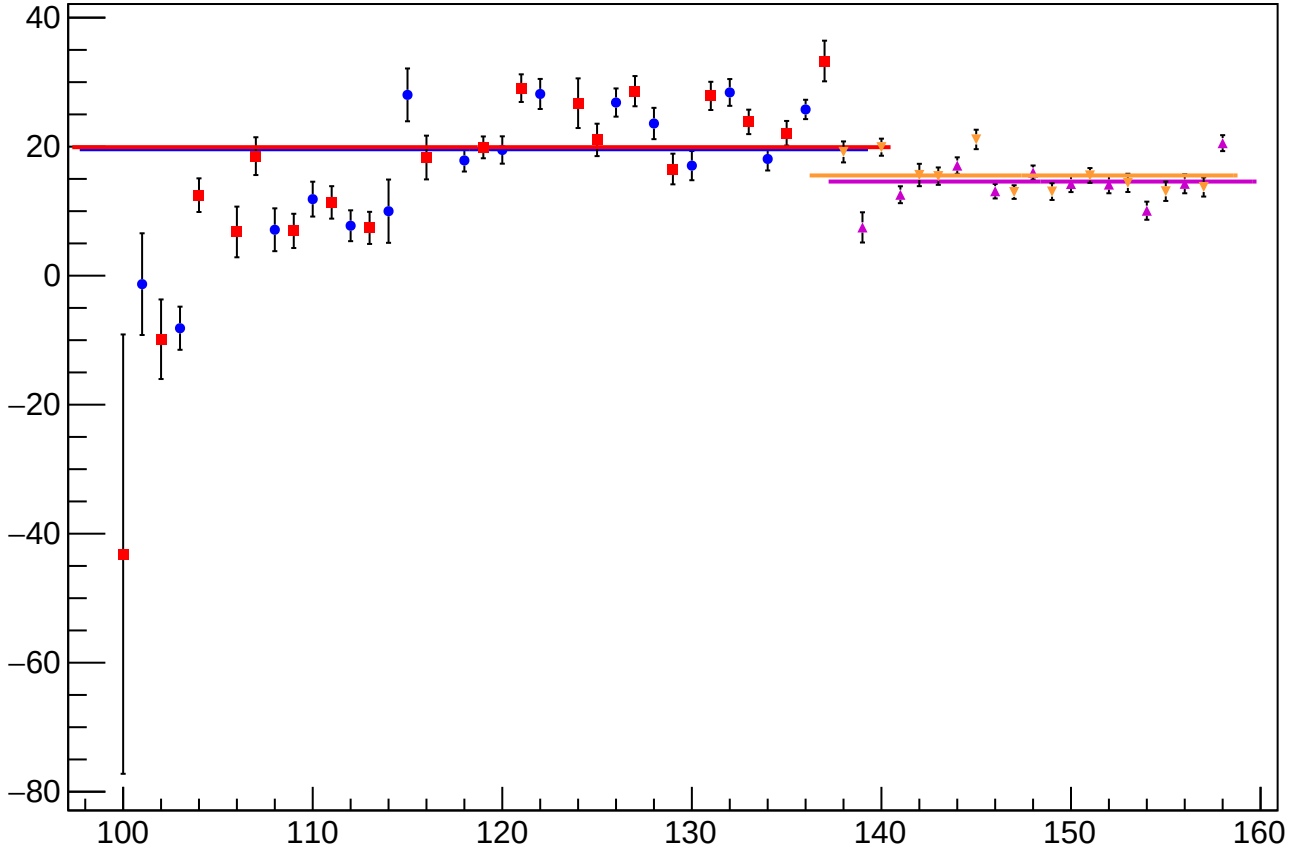
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 69.244+/-0.372 χ^2/NDF:733.3/25

Out: 68.069+/-0.368 χ^2/NDF:1221.7/29

All: 68.651+/-0.262 χ^2/NDF: 1960.0/55

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 15.537+/-0.411 χ^2/NDF:44.2/10

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 14.589+/-0.415 χ^2/NDF:52.6/9

Left: 15.068+/-0.292 χ^2/NDF: 99.5/20

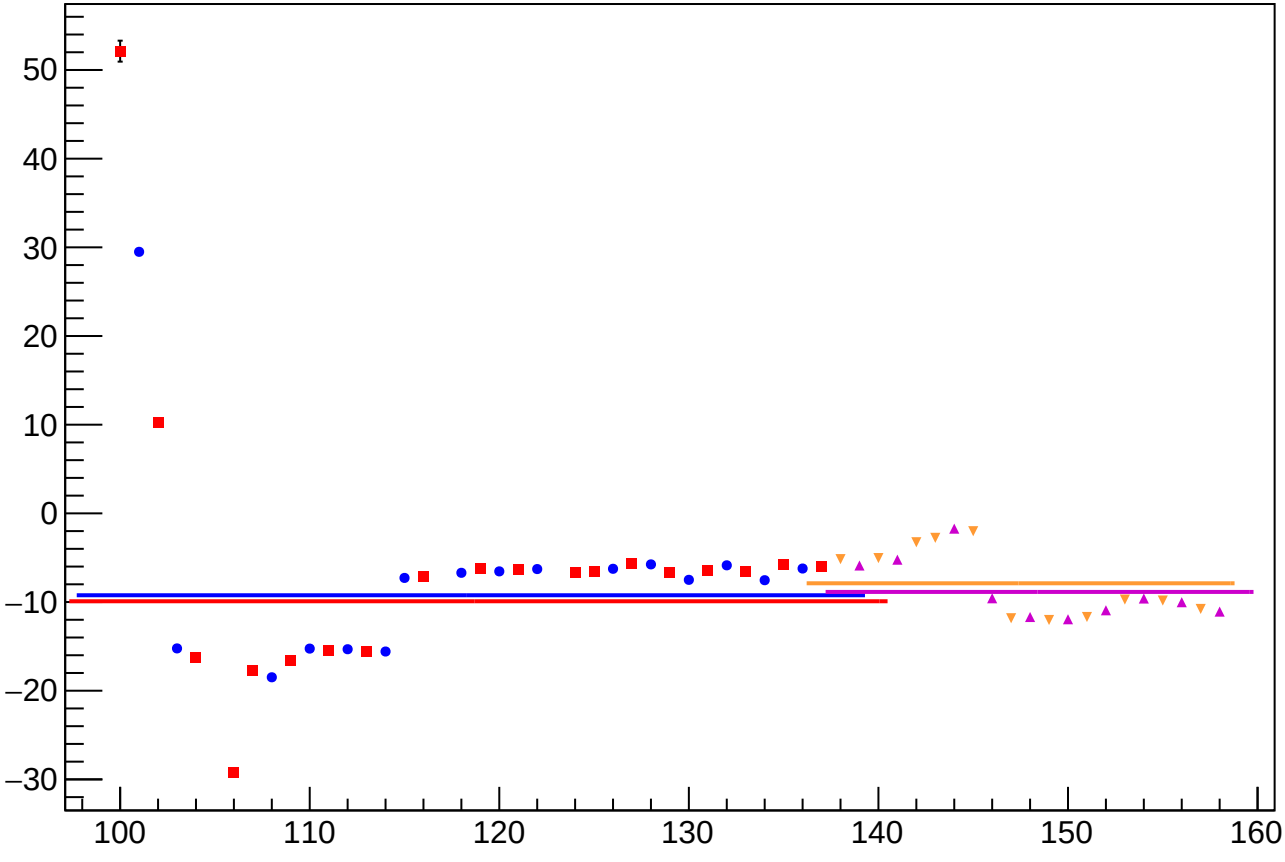
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 16.263+/-0.338 χ^2/NDF:297.4/25

Out: 16.983+/-0.336 χ^2/NDF:263.1/29

All: 16.625+/-0.239 χ^2/NDF: 562.7/55

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: -7.885+/-0.019 χ^2/NDF:37292.6/10

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -8.859+/-0.019 χ^2/NDF:26084.0/9

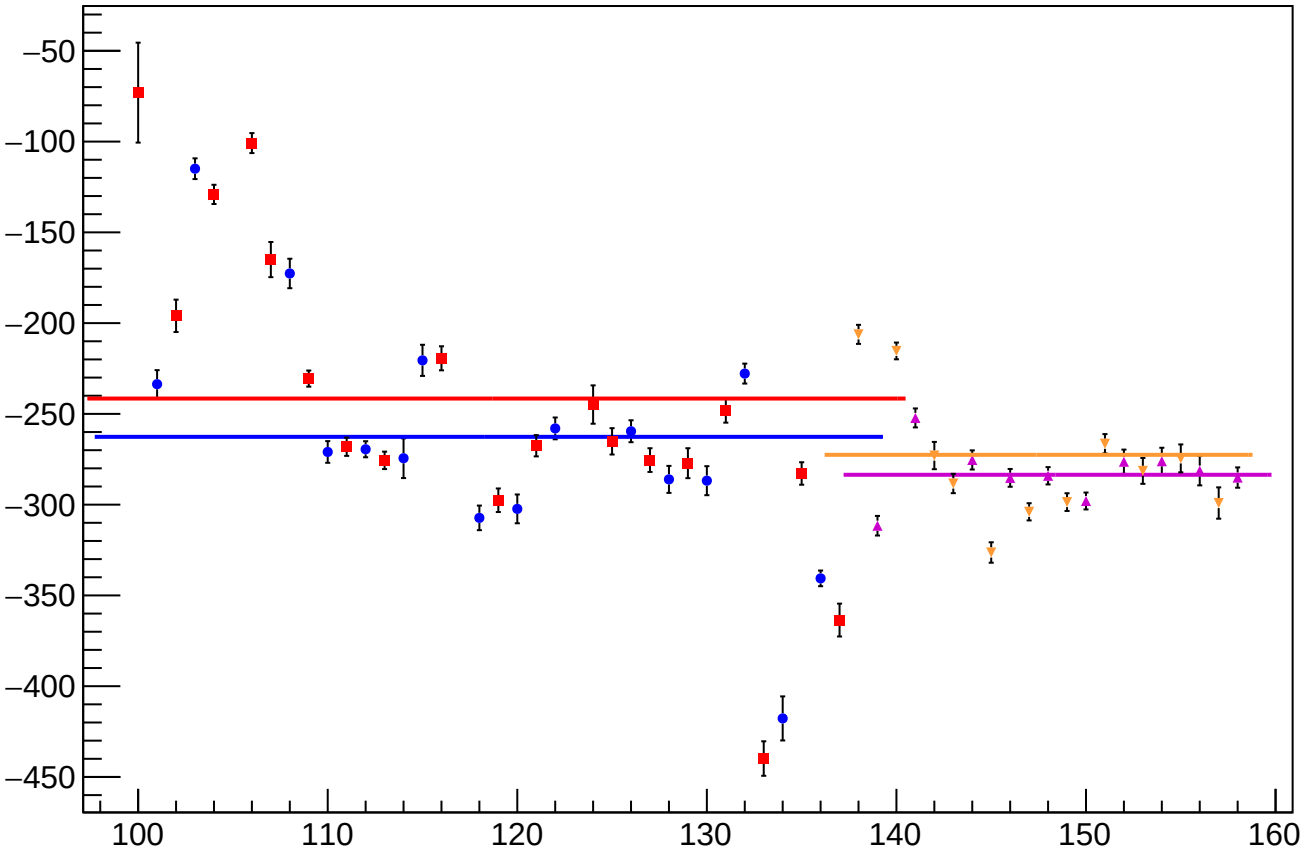
Left: -8.380+/-0.013 χ^2/NDF: 64718.9/20

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -8.951+/-0.016 χ^2/NDF:57342.1/25

Out: -8.357+/-0.017 χ^2/NDF:93816.5/29

All: -8.661+/-0.012 χ^2/NDF: 151813.9/55



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -272.553+/-1.716 χ^2/NDF:498.6/10

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -283.541+/-1.750 χ^2/NDF:77.4/9

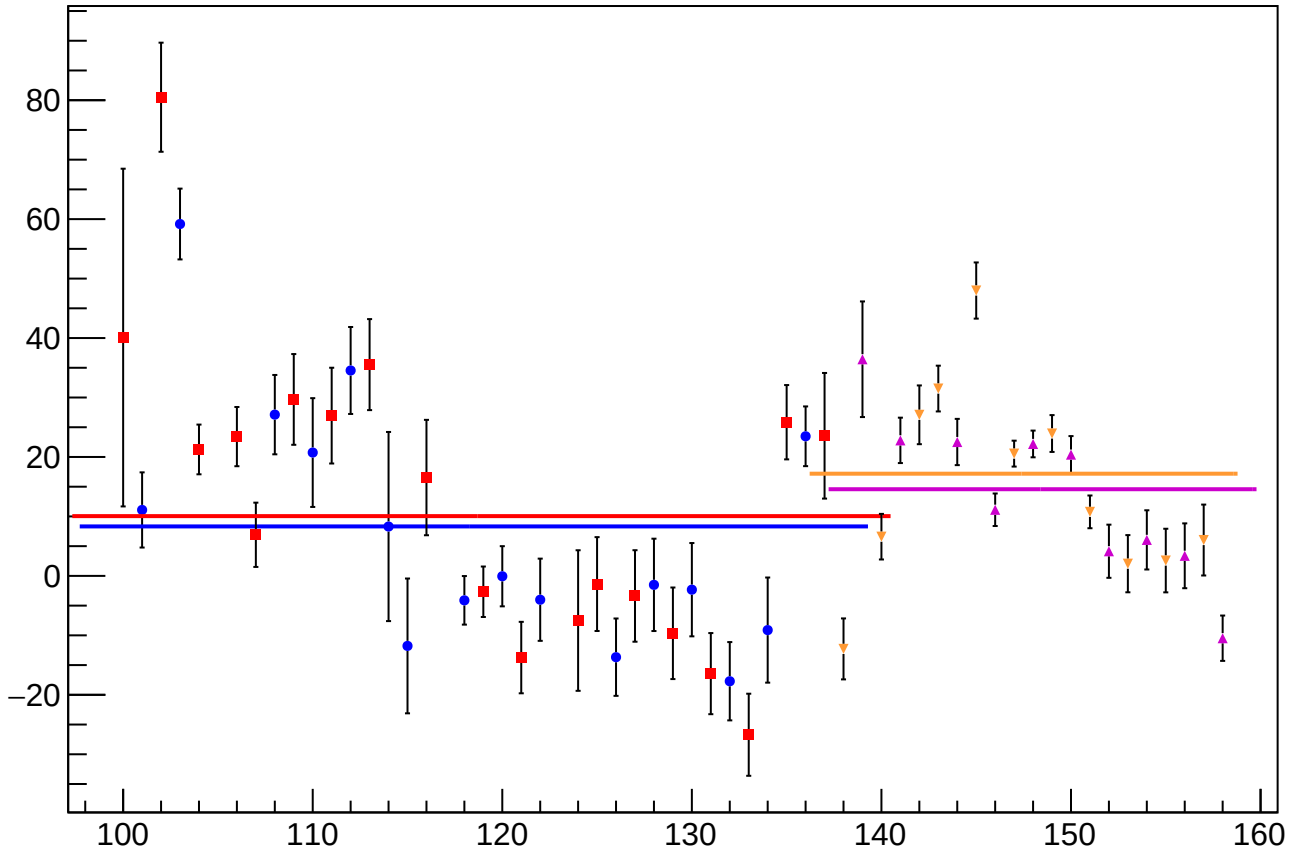
Left: -277.937+/-1.225 χ^2/NDF: 596.1/20

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -272.245+/-1.186 χ^2/NDF:1608.8/25

Out: -255.042+/-1.132 χ^2/NDF:2821.6/29

All: -263.238+/-0.819 χ^2/NDF: 4540.5/55



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 17.187+/-1.109 χ^2/NDF:134.5/10

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 14.576+/-1.137 χ^2/NDF:86.2/9

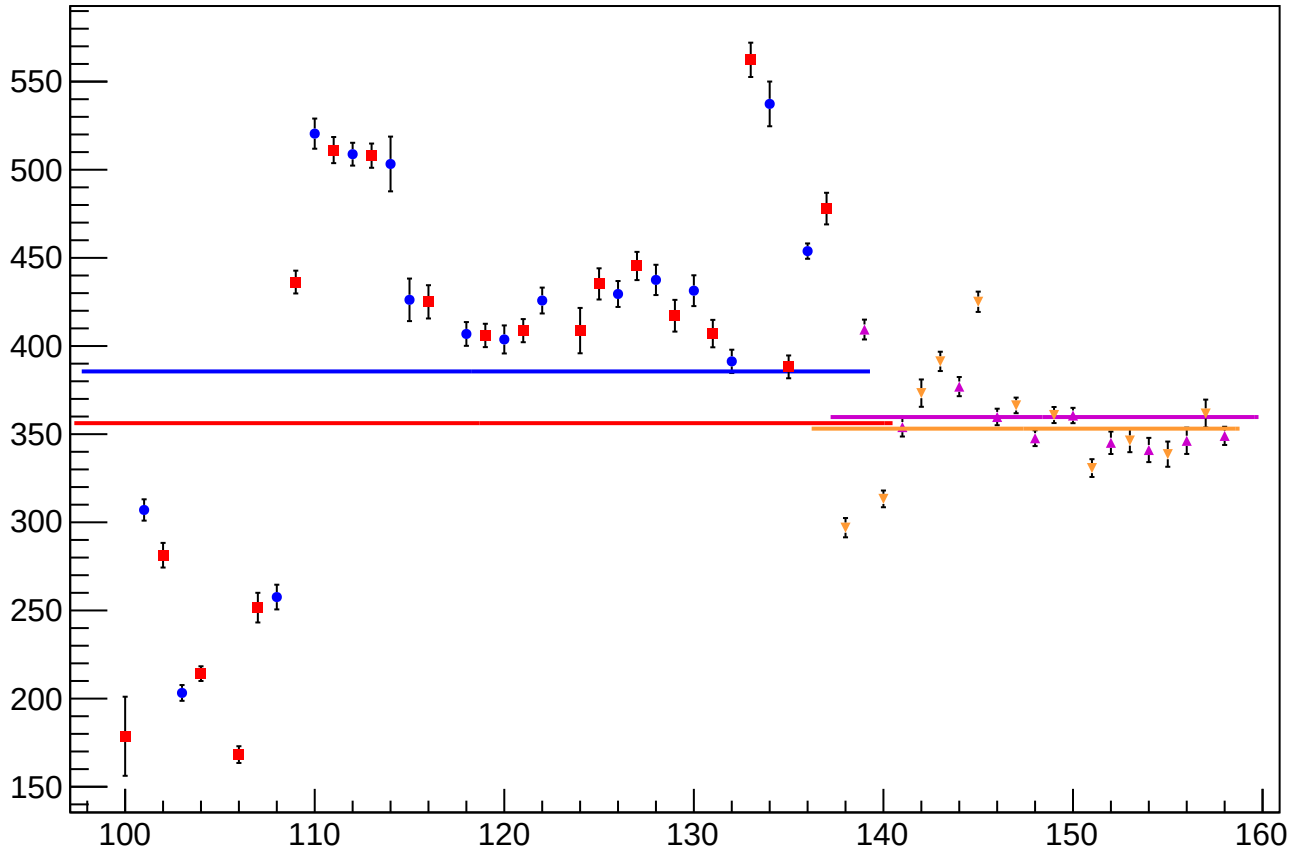
Left: 15.914+/-0.794 χ^2/NDF: 223.4/20

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 12.551+/-0.935 χ^2/NDF:253.7/25

Out: 14.747+/-0.900 χ^2/NDF:336.1/29

All: 13.691+/-0.648 χ^2/NDF: 592.6/55



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 353.130+/-1.678 χ^2/NDF:425.0/10

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 359.715+/-1.690 χ^2/NDF:116.4/9

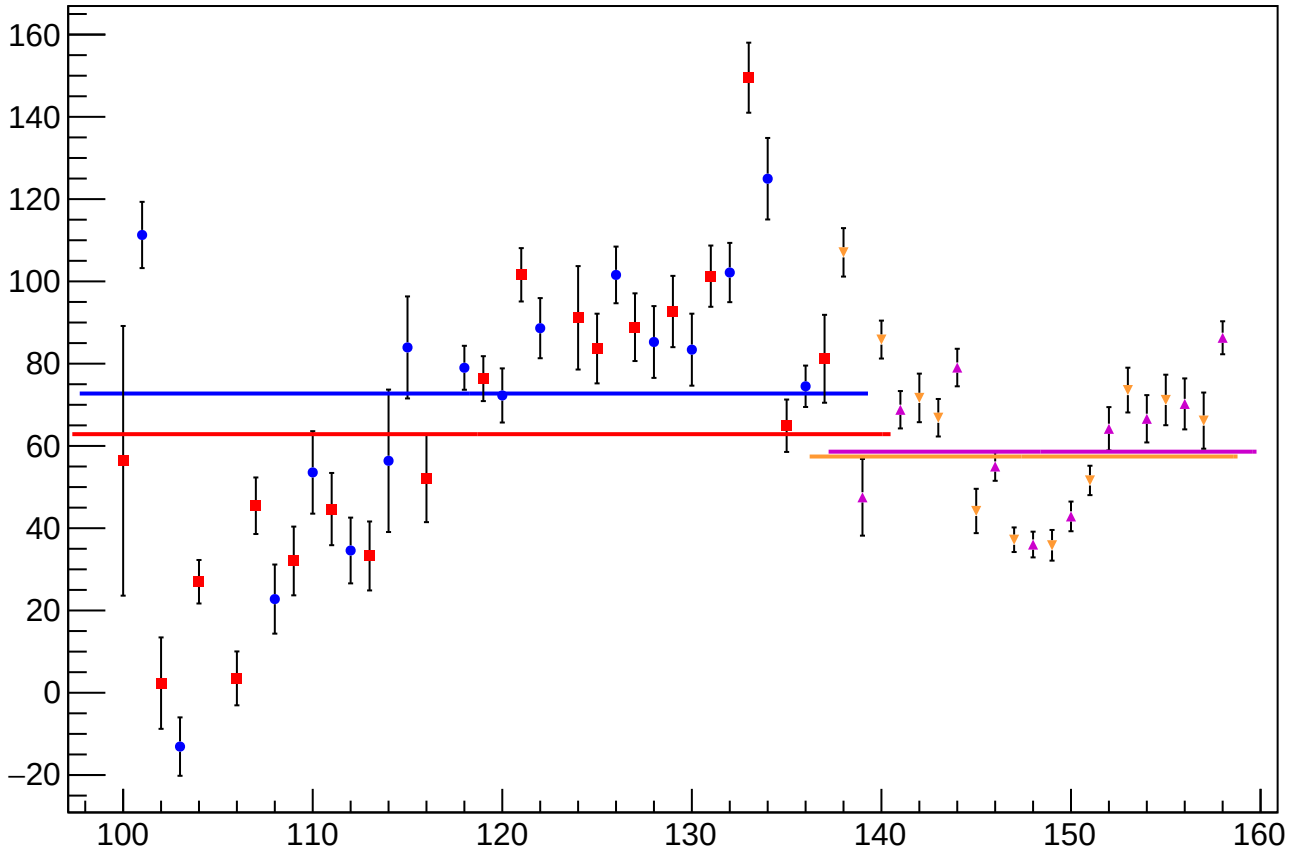
Left: 356.400+/-1.191 χ^2/NDF: 549.1/20

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 372.258+/-1.213 χ^2/NDF:3603.2/25

Out: 354.717+/-1.175 χ^2/NDF:5697.1/29

All: 363.211+/-0.844 χ^2/NDF: 9408.1/55



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 57.426+/-1.372 χ^2/NDF:222.5/10

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 58.606+/-1.381 χ^2/NDF:153.0/9

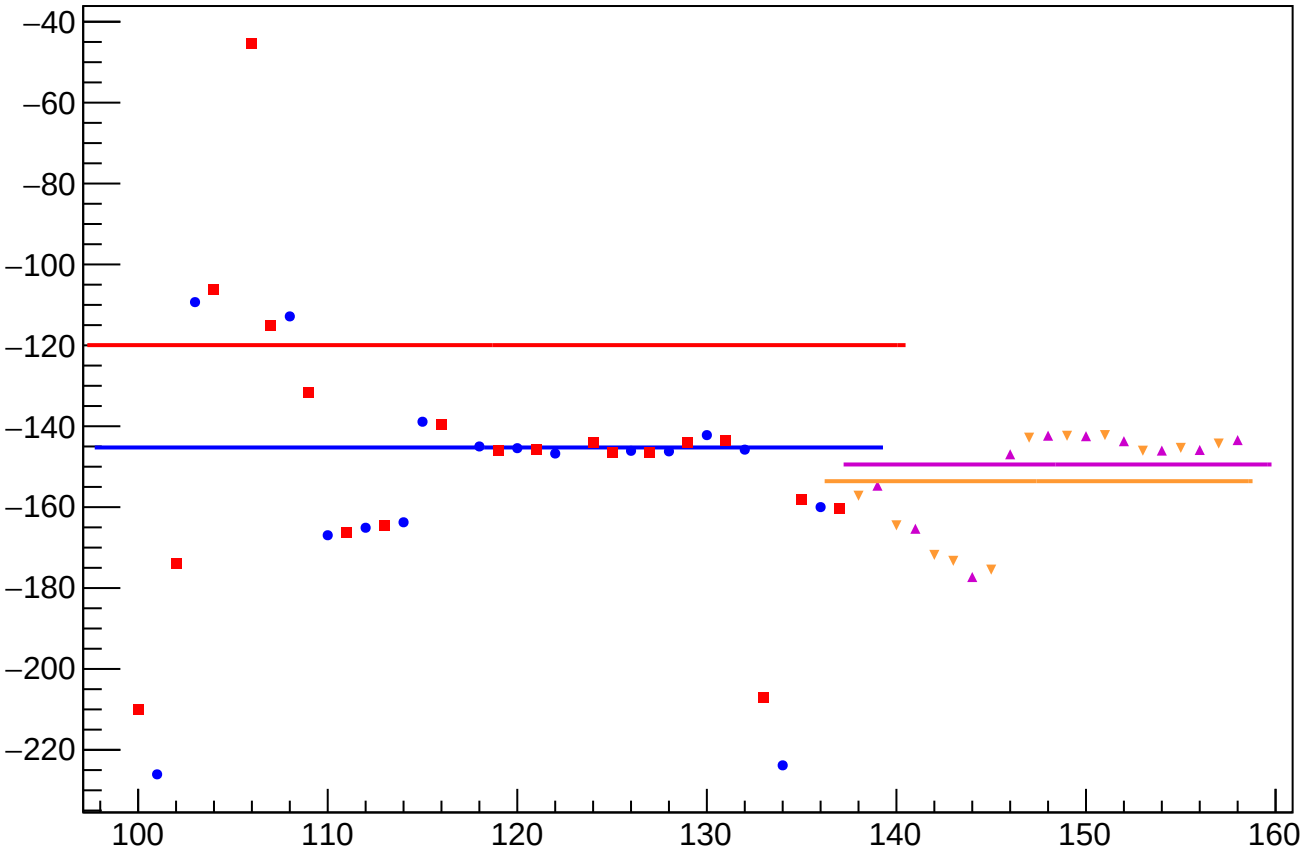
Left: 58.012+/-0.974 χ^2/NDF: 375.9/20

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 63.504+/-1.117 χ^2/NDF:493.6/25

Out: 59.432+/-1.090 χ^2/NDF:631.9/29

All: 61.419+/-0.780 χ^2/NDF: 1132.3/55



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -153.582+/-0.067 χ^2/NDF:36012.6/10

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -149.450+/-0.065 χ^2/NDF:24465.3/9

Left: -151.447+/-0.047 χ^2/NDF: 62423.3/20

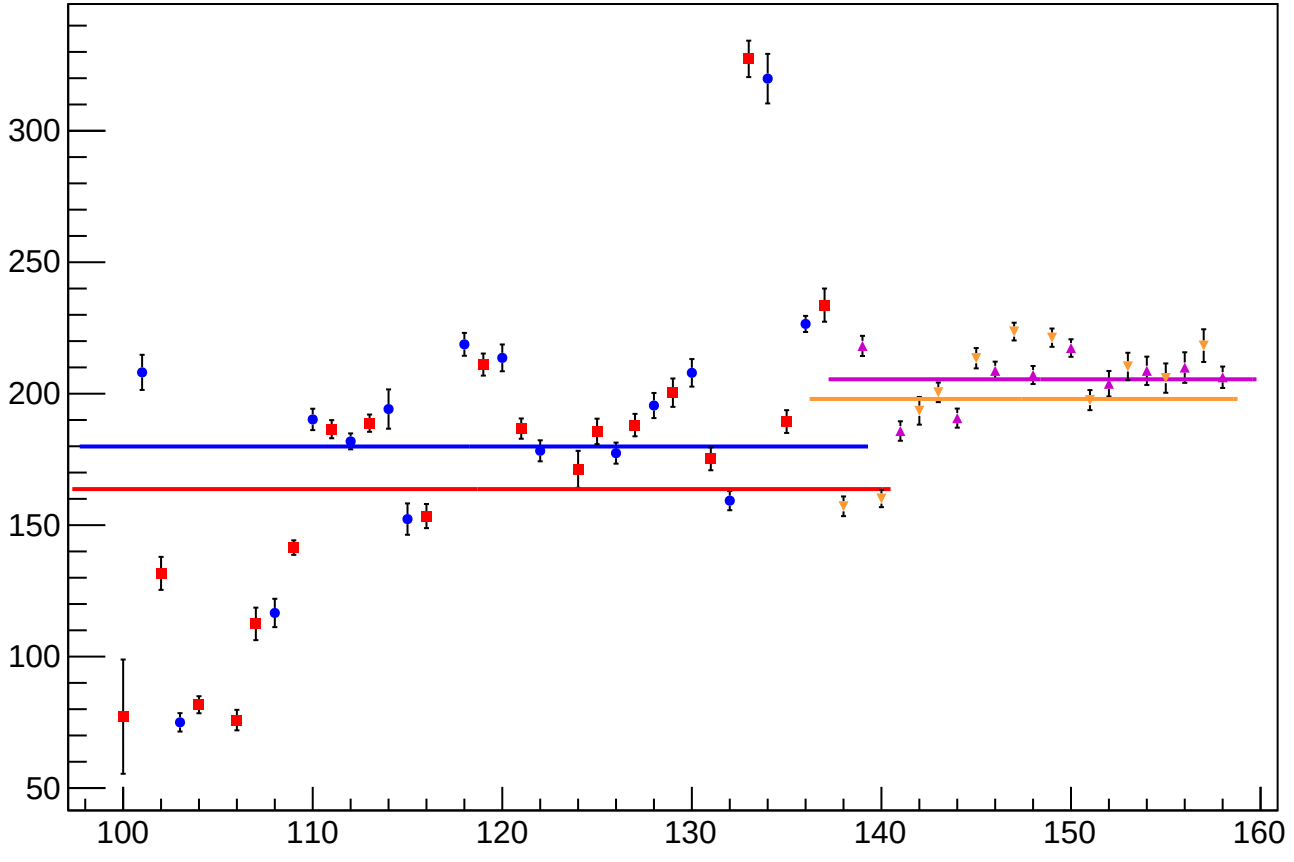
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -148.168+/-0.054 χ^2/NDF:157793.0/25

Out: -141.333+/-0.054 χ^2/NDF:397239.1/29

All: -144.712+/-0.038 χ^2/NDF: 563045.4/55

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 198.000+/-1.219 χ^2/NDF:390.1/10

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 205.478+/-1.250 χ^2/NDF:70.6/9

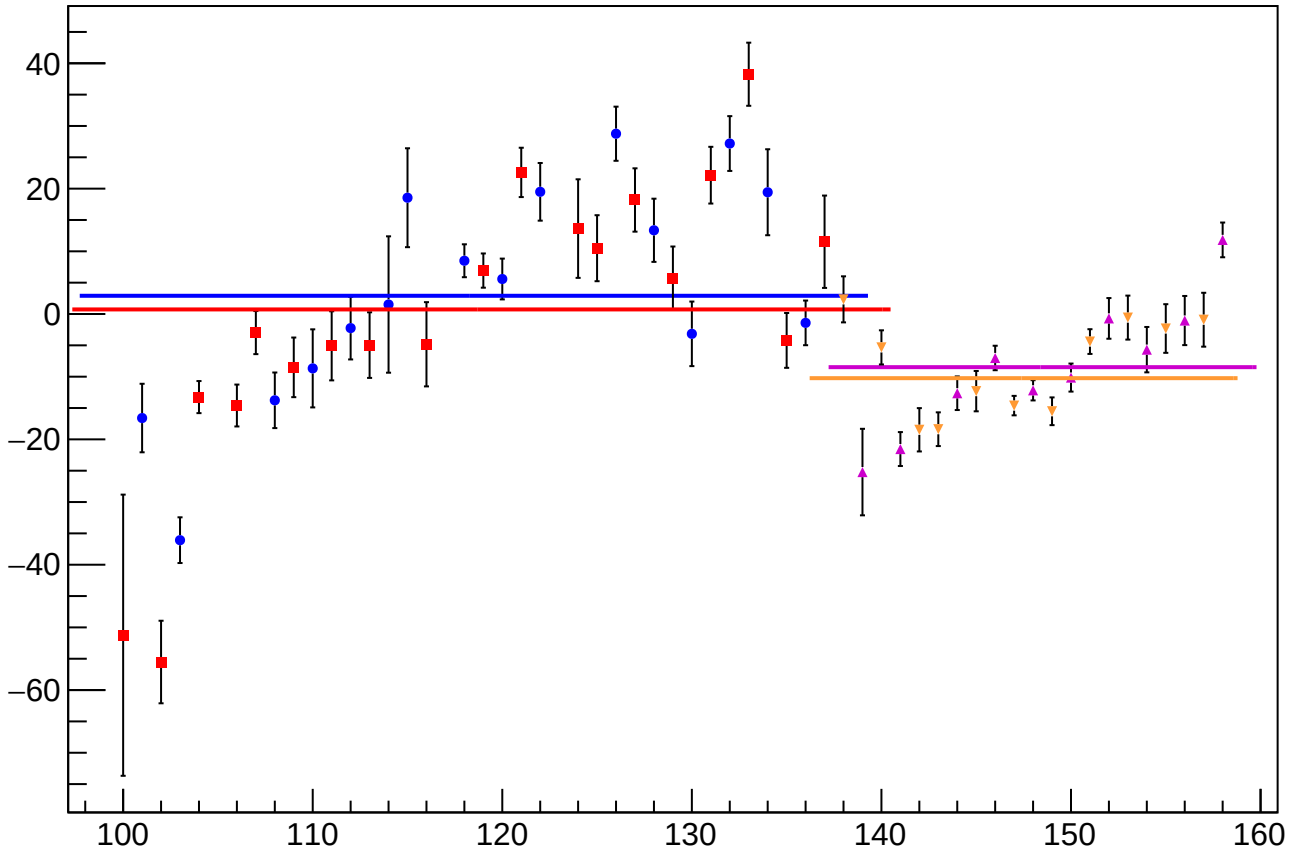
Left: 201.646+/-0.872 χ^2/NDF: 479.0/20

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 190.947+/-0.821 χ^2/NDF:2041.1/25

Out: 177.524+/-0.773 χ^2/NDF:3279.5/29

All: 183.837+/-0.563 χ^2/NDF: 5462.3/55



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.237+/-0.789 χ^2/NDF:69.1/10

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -8.481+/-0.814 χ^2/NDF:101.6/9

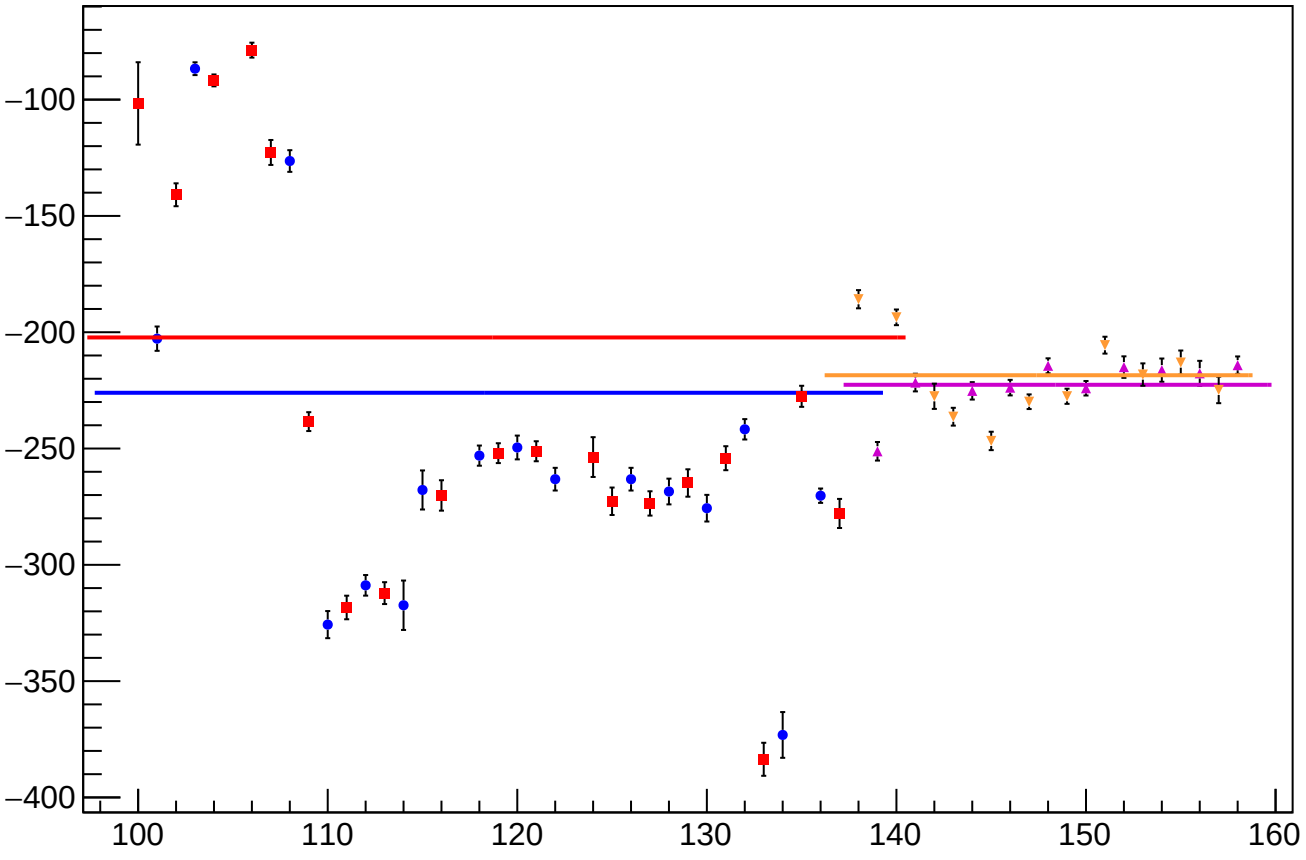
Left: -9.386+/-0.567 χ^2/NDF: 173.1/20

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -4.474+/-0.655 χ^2/NDF:418.0/25

Out: -6.091+/-0.622 χ^2/NDF:415.7/29

All: -5.324+/-0.451 χ^2/NDF: 836.8/55



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.490+/-1.194 χ^2/NDF:235.6/10

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -222.598+/-1.208 χ^2/NDF:68.9/9

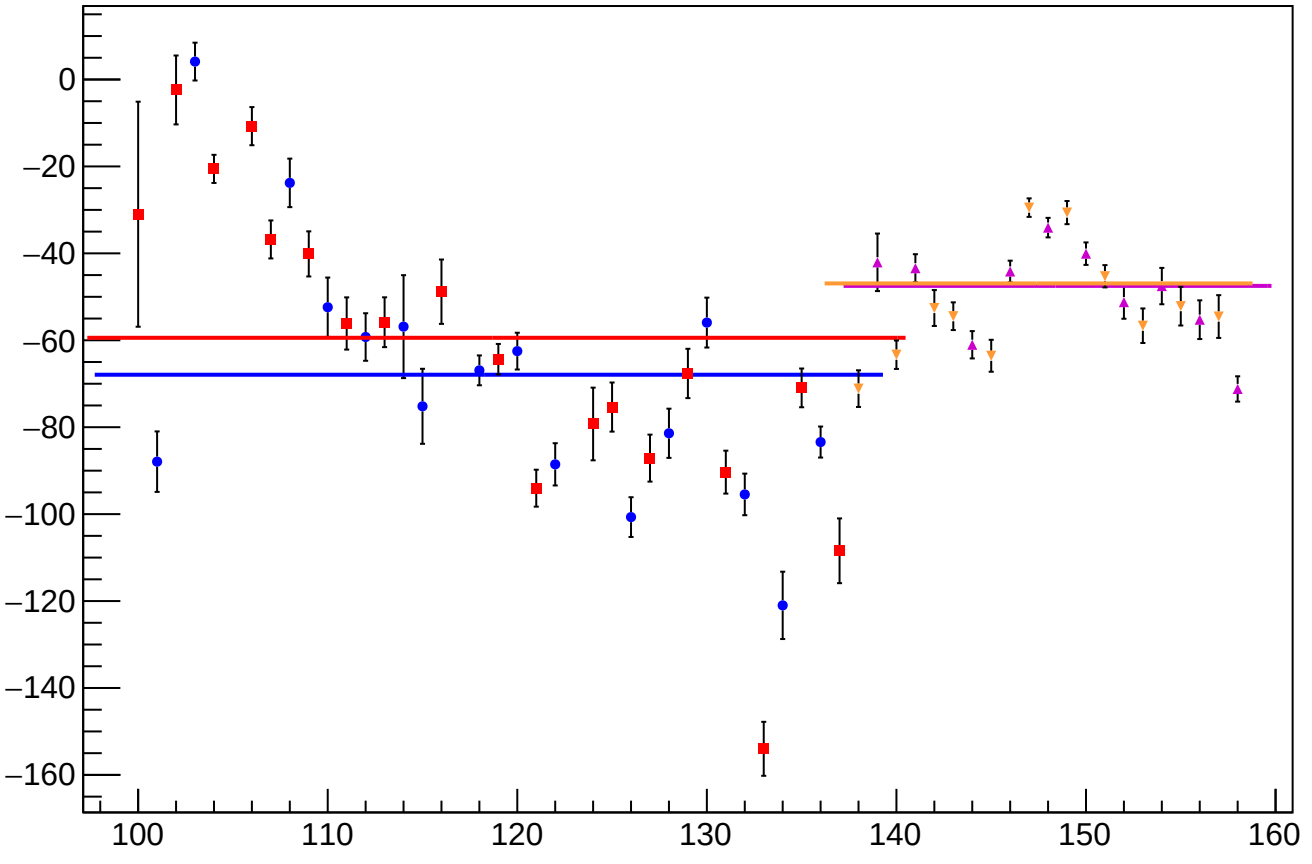
Left: -220.520+/-0.849 χ^2/NDF: 310.3/20

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -224.360+/-0.842 χ^2/NDF:4612.0/25

Out: -209.611+/-0.804 χ^2/NDF:7027.6/29

All: -216.641+/-0.581 χ^2/NDF: 11800.2/55



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -46.919+/-0.976 χ^2/NDF:200.7/10

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -47.485+/-0.989 χ^2/NDF:136.7/9

Left: -47.198+/-0.695 χ^2/NDF: 337.5/20

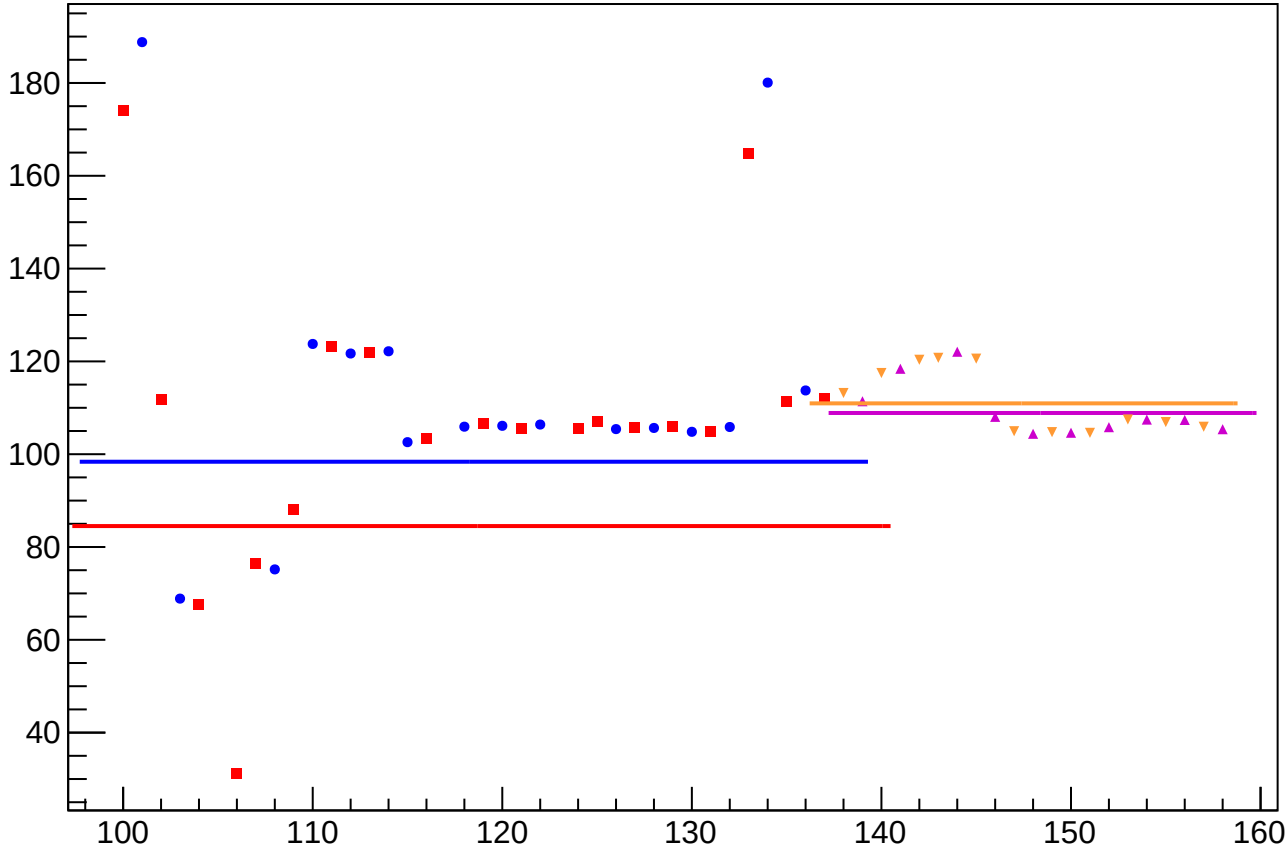
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -55.137+/-0.782 χ^2/NDF:830.8/25

Out: -51.981+/-0.753 χ^2/NDF:1062.0/29

All: -53.500+/-0.542 χ^2/NDF: 1901.2/55

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 110.955+/-0.048 χ^2/NDF:18963.6/10

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.884+/-0.047 χ^2/NDF:13831.3/9

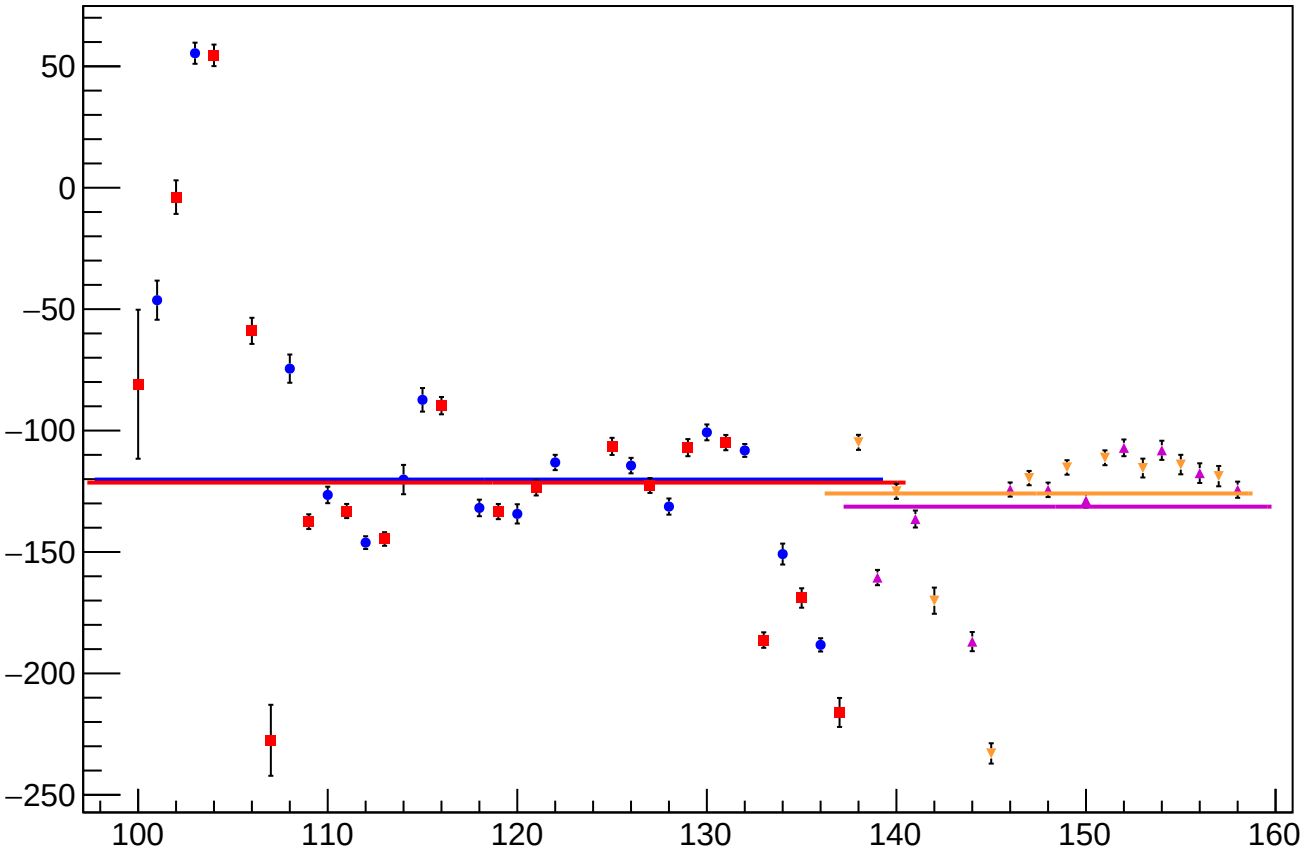
Left: 109.890+/-0.033 χ^2/NDF: 33753.7/20

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.388+/-0.038 χ^2/NDF:259141.1/25

Out: 100.779+/-0.038 χ^2/NDF:404891.9/29

All: 103.054+/-0.027 χ^2/NDF: 671445.7/55



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -125.901+/-1.105 χ^2/NDF:826.6/9

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -131.328+/-1.057 χ^2/NDF:398.3/9

Left: -128.736+/-0.764 χ^2/NDF: 1237.4/19

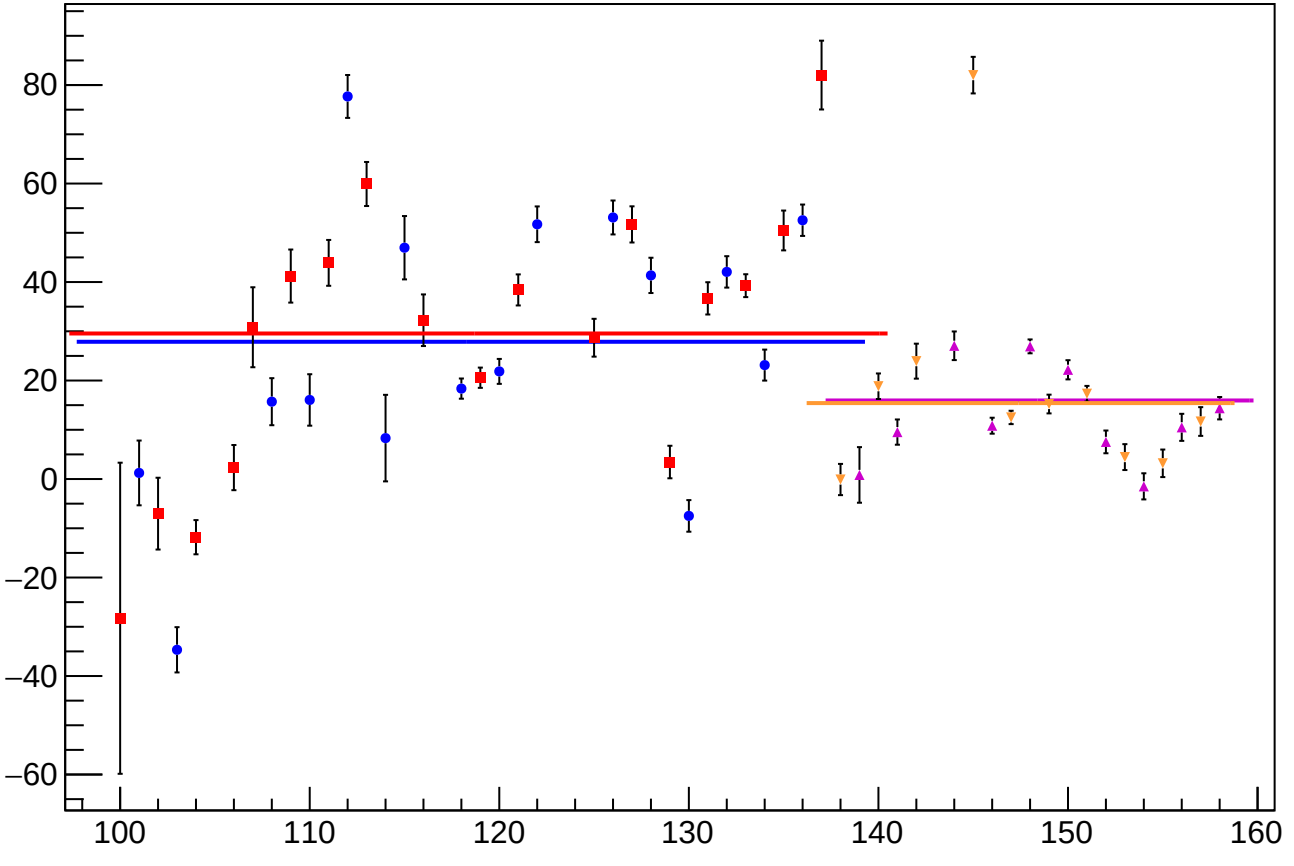
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -124.807+/-0.681 χ^2/NDF:3154.6/25

Out: -123.146+/-0.686 χ^2/NDF:3963.0/27

All: -123.983+/-0.483 χ^2/NDF: 7120.6/53

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: 15.420+/-0.706 χ^2/NDF:397.2/9

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 15.951+/-0.689 χ^2/NDF:169.9/9

Left: 15.692+/-0.493 χ^2/NDF: 567.4/19

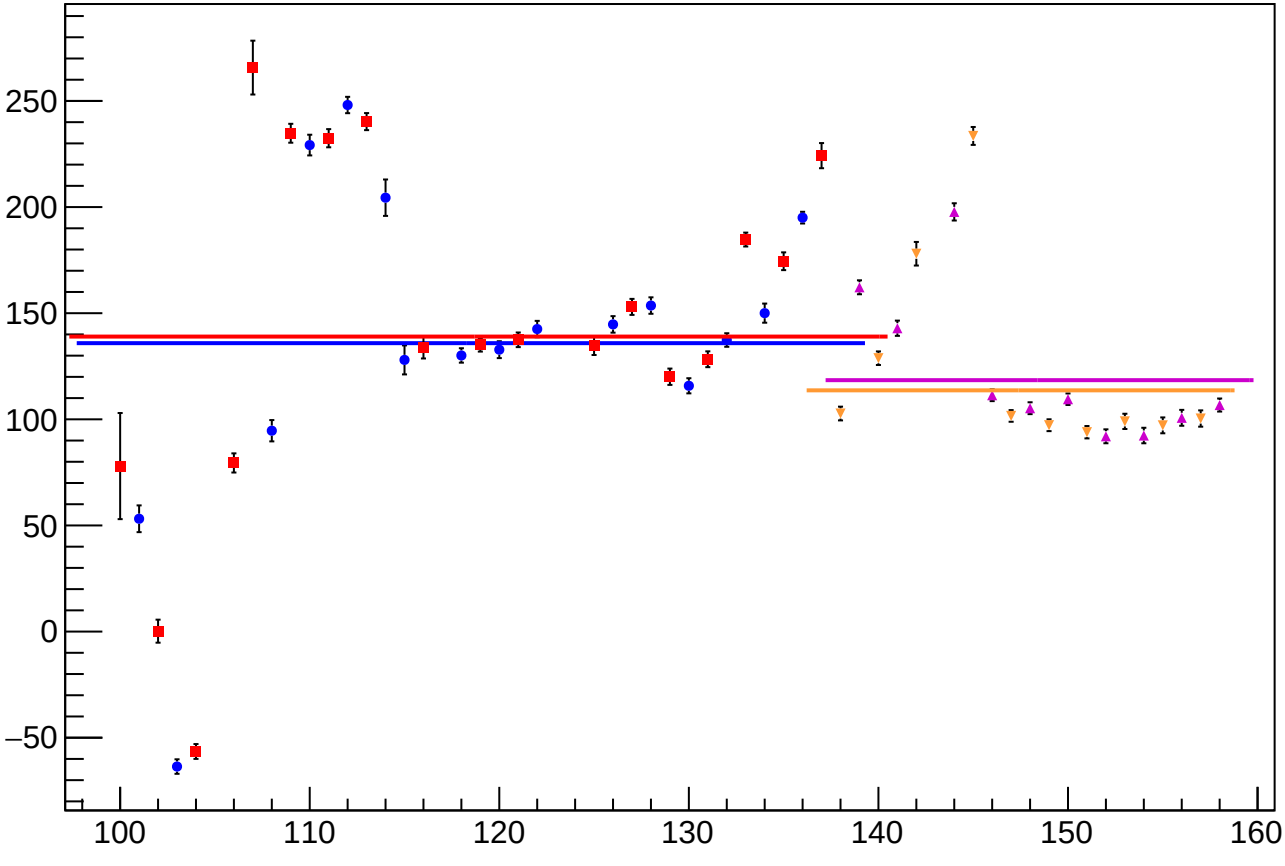
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 20.432+/-0.545 χ^2/NDF:982.0/25

Out: 20.877+/-0.553 χ^2/NDF:1049.5/27

All: 20.651+/-0.388 χ^2/NDF: 2031.8/53

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: 113.654+/-1.068 χ^2/NDF:1122.1/9

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 118.451+/-1.016 χ^2/NDF:796.8/9

Left: 116.172+/-0.736 χ^2/NDF: 1929.5/19

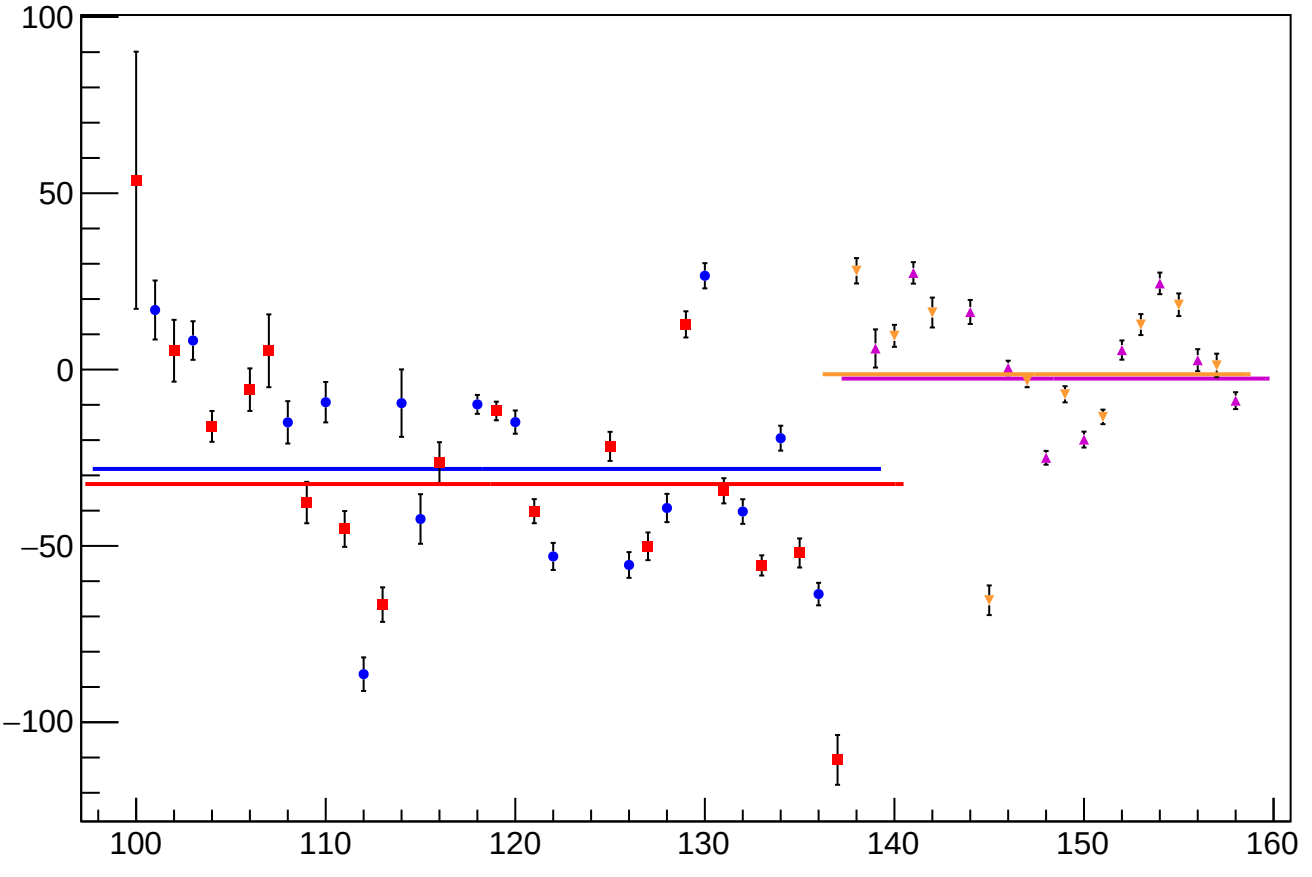
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 127.317+/-0.712 χ^2/NDF:6410.2/25

Out: 127.170+/-0.729 χ^2/NDF:7578.8/27

All: 127.245+/-0.509 χ^2/NDF: 13989.1/53

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -1.322+/-0.874 χ^2/NDF:430.5/9

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.555+/-0.834 χ^2/NDF:418.3/9

Left: -1.968+/-0.603 χ^2/NDF: 849.9/19

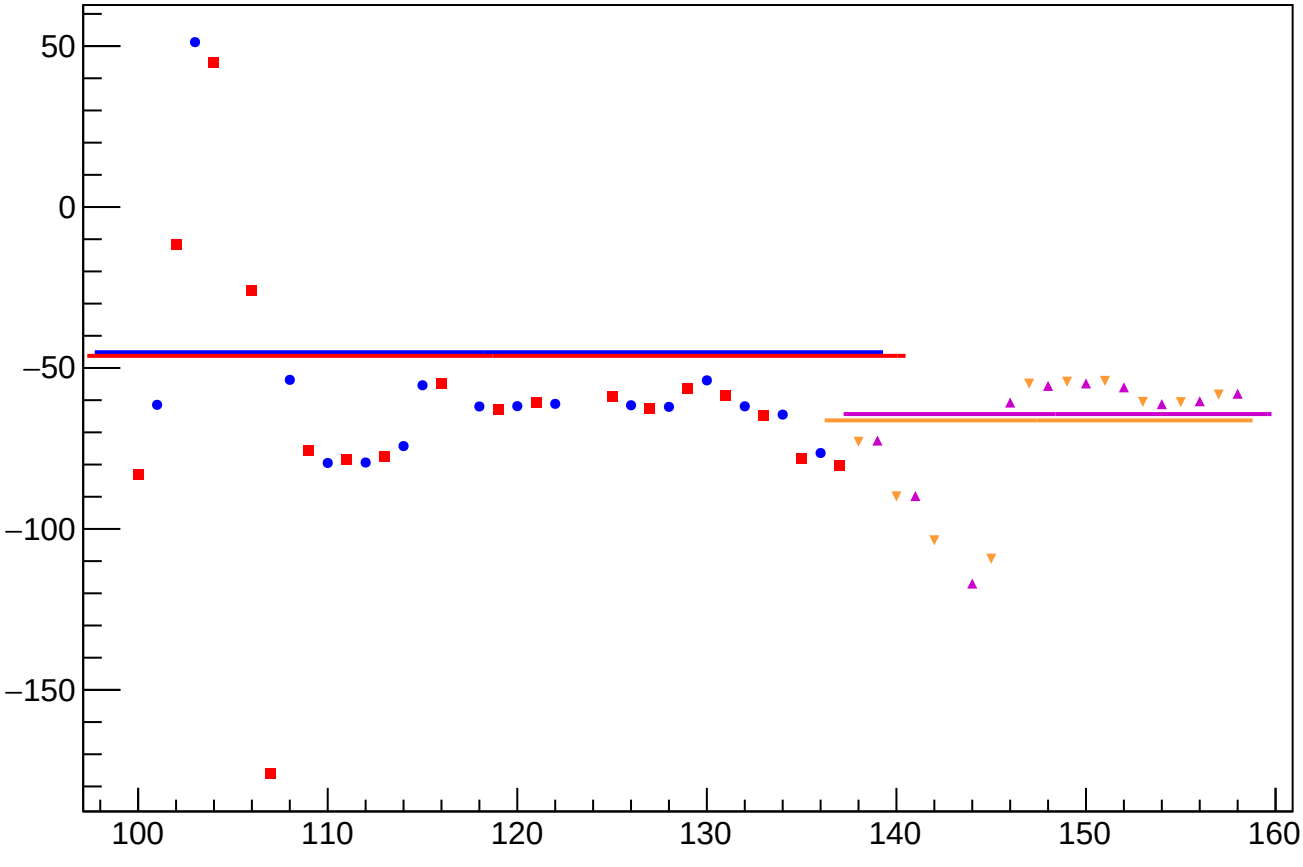
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -12.791+/-0.646 χ^2/NDF:1586.7/25

Out: -14.396+/-0.666 χ^2/NDF:1544.2/27

All: -13.570+/-0.464 χ^2/NDF: 3133.9/53

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -66.283+/-0.042 χ^2/NDF:162562.8/9

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -64.319+/-0.038 χ^2/NDF:142640.7/9

Left: -65.222+/-0.028 χ^2/NDF: 306401.9/19

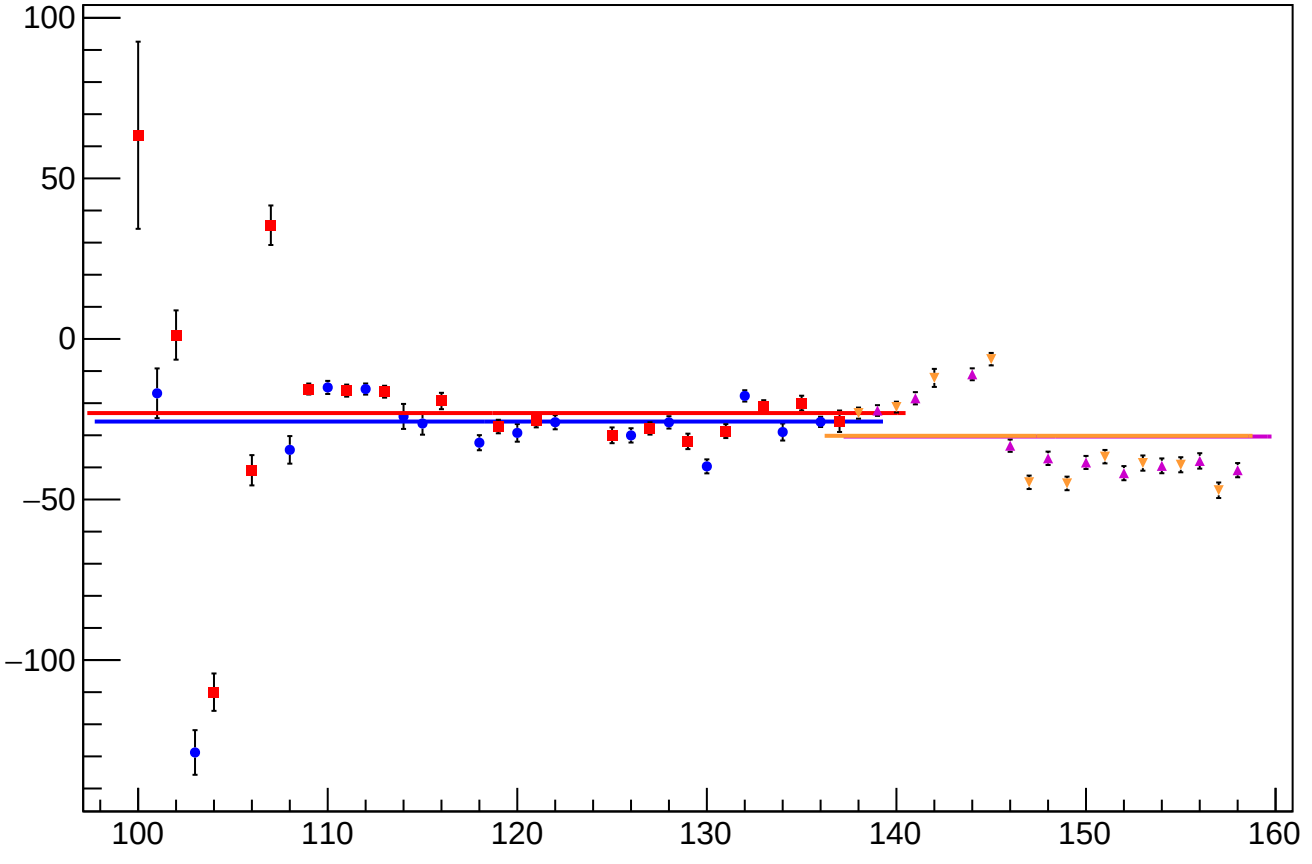
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.739+/-0.032 χ^2/NDF:790258.1/25

Out: -60.113+/-0.035 χ^2/NDF:727262.5/27

All: -59.379+/-0.024 χ^2/NDF: 1518358.3/53

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: -30.163+/-0.661 χ^2/NDF:420.7/9

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -30.388+/-0.641 χ^2/NDF:274.7/9

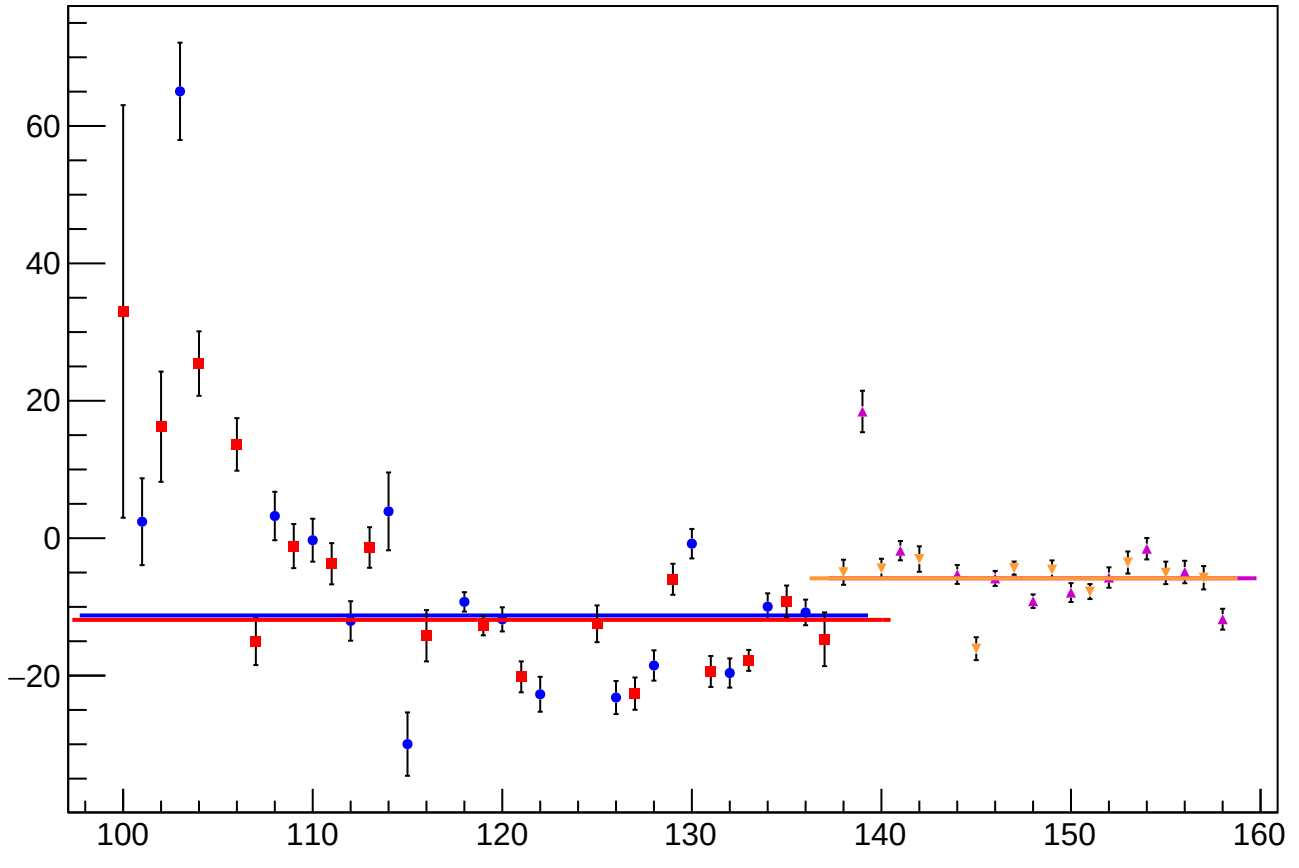
Left: -30.279+/-0.460 χ^2/NDF: 695.4/19

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -27.864+/-0.434 χ^2/NDF:666.4/25

Out: -26.172+/-0.437 χ^2/NDF:922.5/27

All: -27.023+/-0.308 χ^2/NDF: 1596.4/53



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.845+/-0.446 χ^2/NDF:50.0/9

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.835+/-0.438 χ^2/NDF:110.2/9

Left: -5.840+/-0.312 χ^2/NDF: 160.3/19

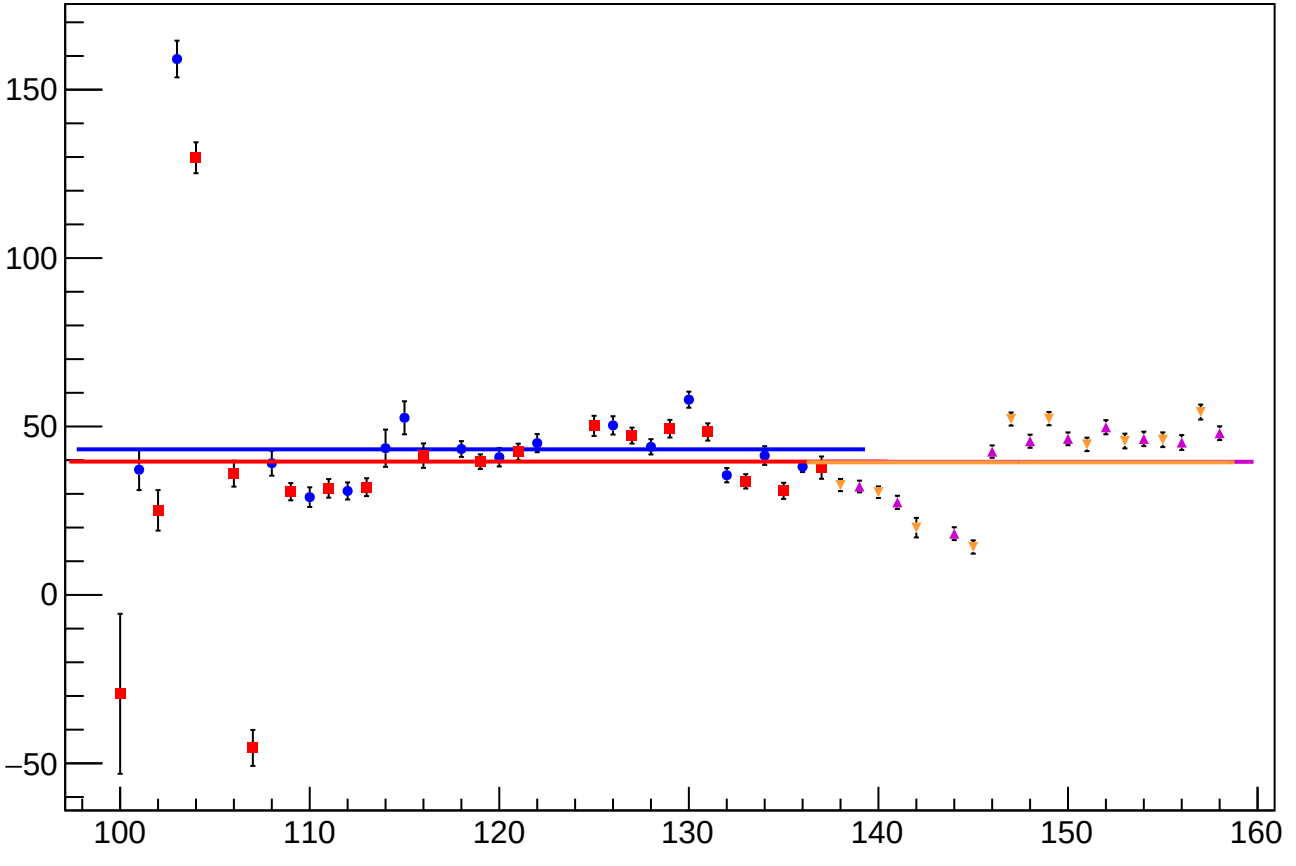
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.715+/-0.354 χ^2/NDF:434.4/25

Out: -7.965+/-0.359 χ^2/NDF:338.9/27

All: -7.838+/-0.252 χ^2/NDF: 773.5/53

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: 39.369+/-0.645 χ^2/NDF:402.5/9

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 39.520+/-0.622 χ^2/NDF:263.2/9

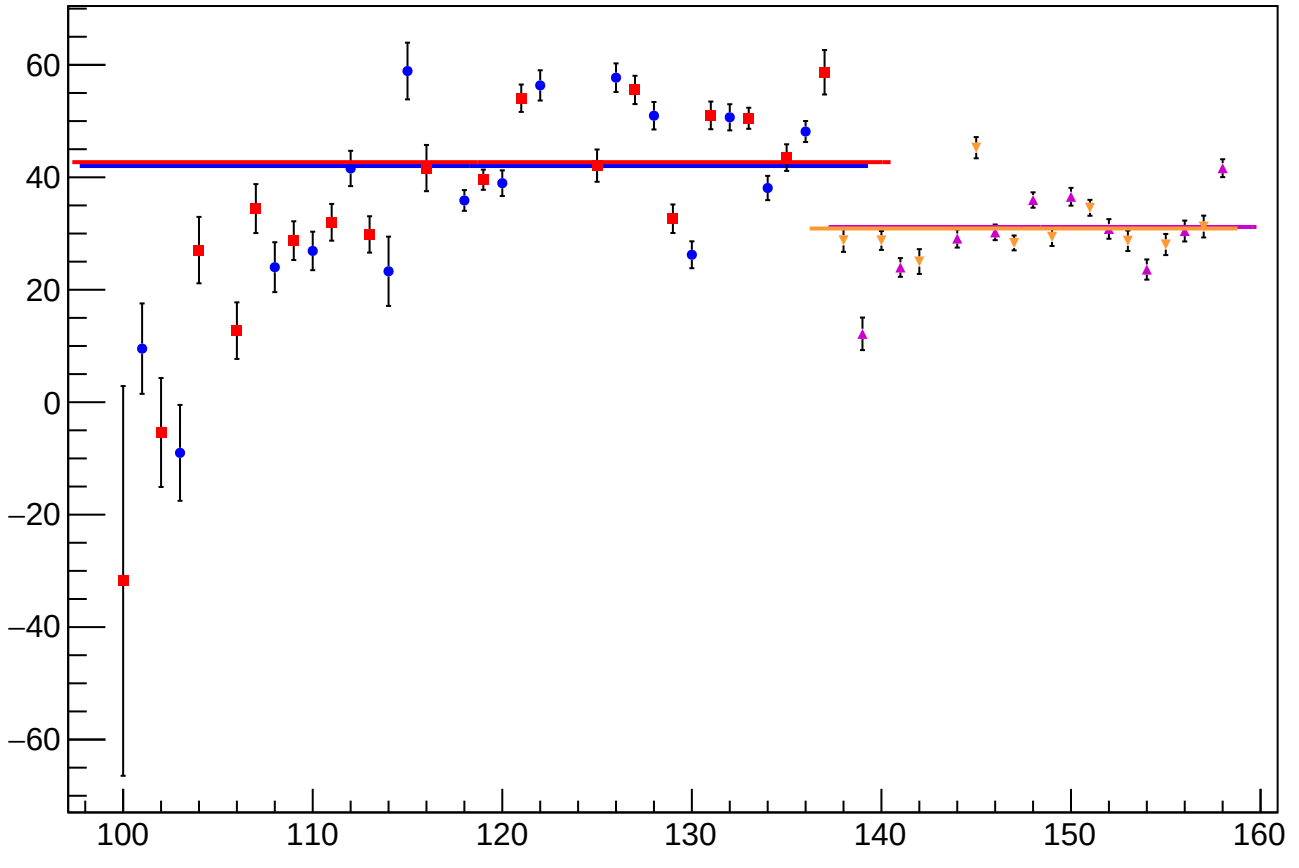
Left: 39.448+/-0.448 χ^2/NDF: 665.8/19

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 41.211+/-0.458 χ^2/NDF:855.4/25

Out: 39.472+/-0.469 χ^2/NDF:1156.6/27

All: 40.362+/-0.328 χ^2/NDF: 2019.0/53



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 30.899+/-0.544 χ^2/NDF:83.0/9

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 31.169+/-0.524 χ^2/NDF:148.8/9

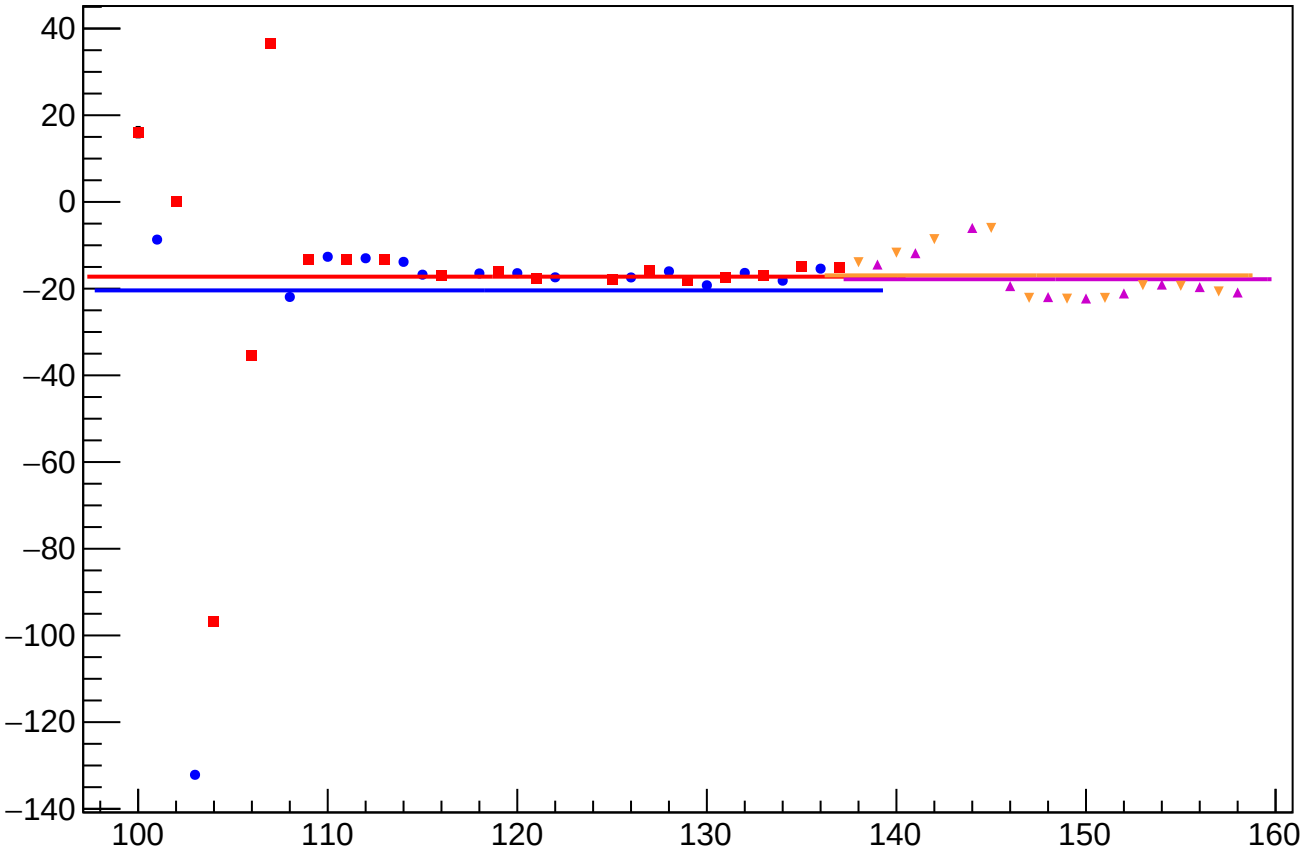
Left: 31.039+/-0.377 χ^2/NDF: 232.0/19

Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.179+/-0.416 χ^2/NDF:579.8/25

Out: 35.384+/-0.428 χ^2/NDF:492.0/27

All: 35.279+/-0.298 χ^2/NDF: 1071.9/53



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -16.940+/-0.025 χ^2/NDF:47957.6/9

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -17.828+/-0.024 χ^2/NDF:38974.8/9

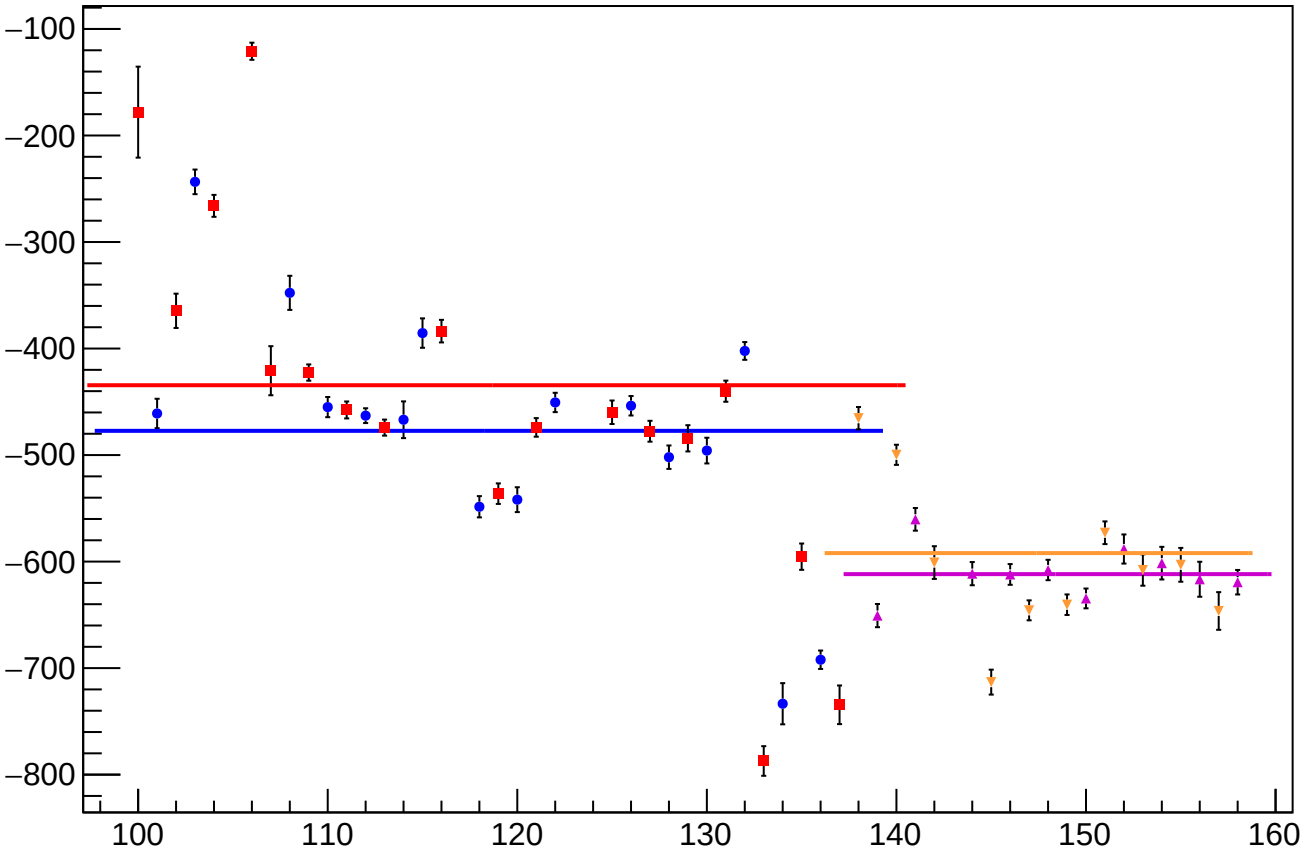
Left: -17.410+/-0.017 χ^2/NDF: 87601.8/19

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -18.446+/-0.021 χ^2/NDF:287461.9/25

Out: -17.012+/-0.022 χ^2/NDF:252649.0/27

All: -17.770+/-0.015 χ^2/NDF: 542411.6/53



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -592.023+/-3.664 χ^2/NDF:419.9/9

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -611.769+/-3.544 χ^2/NDF:46.3/9

Left: -602.224+/-2.547 χ^2/NDF: 481.2/19

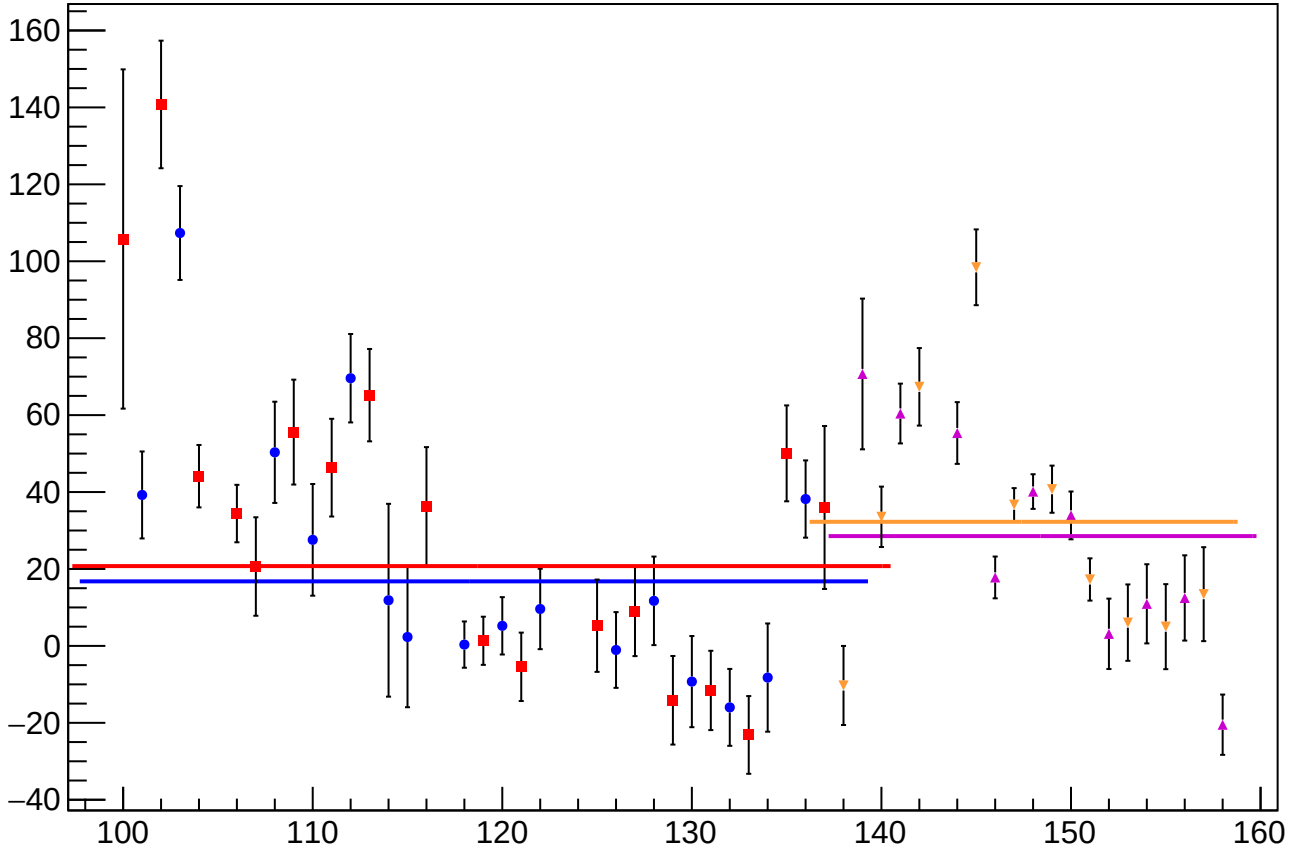
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -525.096+/-2.114 χ^2/NDF:2485.3/25

Out: -483.506+/-2.045 χ^2/NDF:4855.6/27

All: -503.611+/-1.470 χ^2/NDF: 7540.9/53

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: 32.261+/-2.327 χ^2/NDF:100.2/9

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 28.548+/-2.297 χ^2/NDF:95.8/9

Left: 30.380+/-1.635 χ^2/NDF: 197.3/19

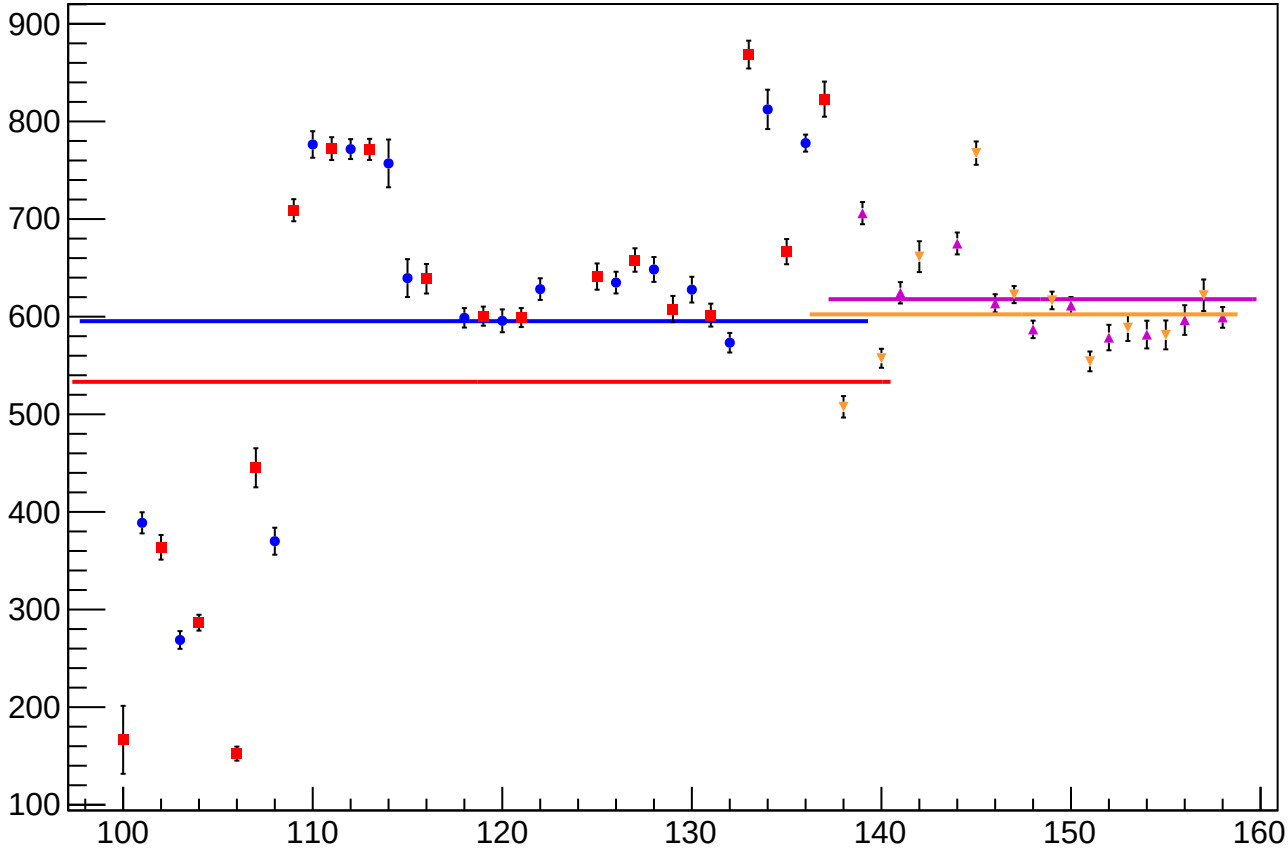
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 23.509+/-1.737 χ^2/NDF:232.0/25

Out: 27.026+/-1.718 χ^2/NDF:269.3/27

All: 25.286+/-1.222 χ^2/NDF: 503.4/53

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: 602.406+/-3.562 χ^2/NDF:335.5/9

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 617.923+/-3.421 χ^2/NDF:119.7/9

Left: 610.478+/-2.467 χ^2/NDF: 465.1/19

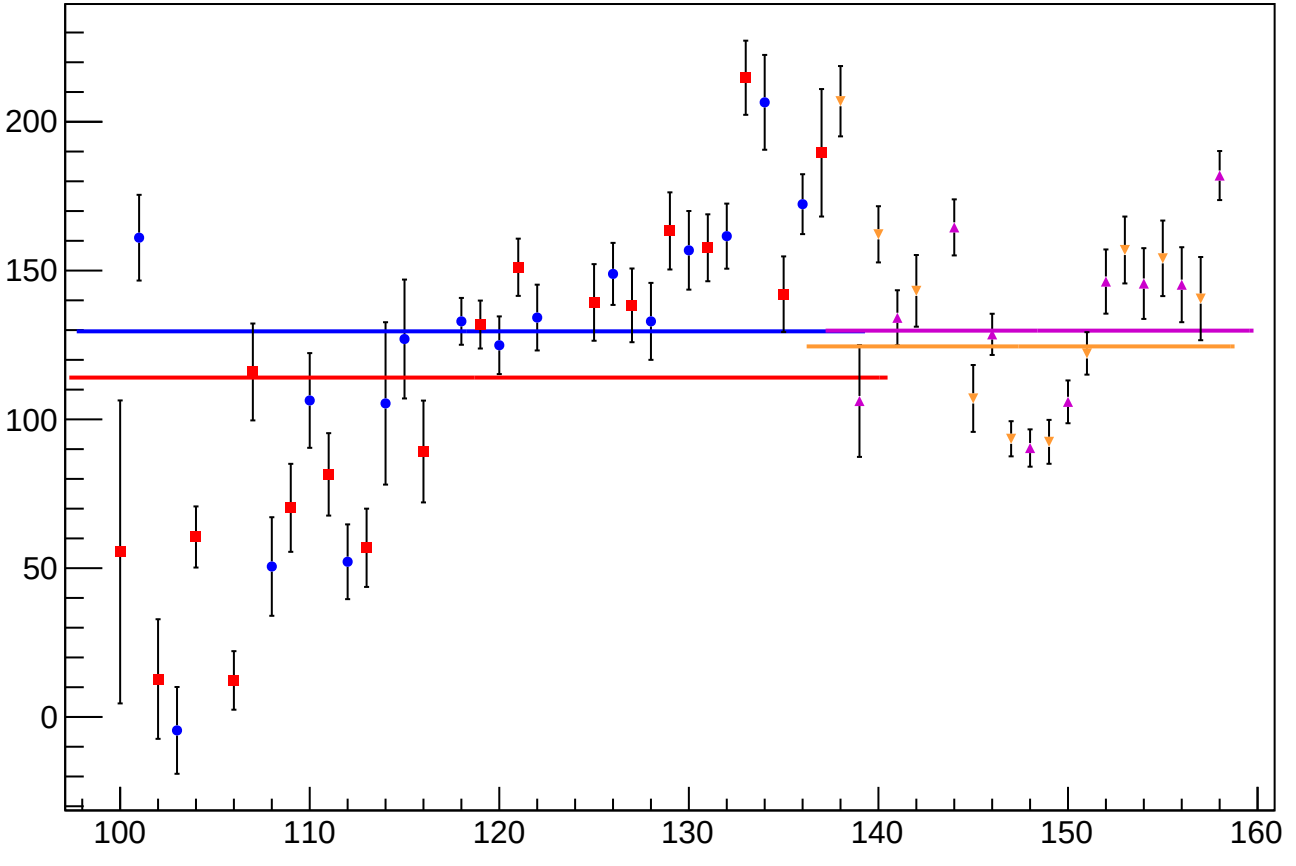
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 604.933+/-2.225 χ^2/NDF:3204.5/25

Out: 559.051+/-2.175 χ^2/NDF:7074.6/27

All: 581.467+/-1.555 χ^2/NDF: 10496.5/53

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 124.520+/-2.897 χ^2/NDF:131.1/9

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 129.820+/-2.794 χ^2/NDF:111.7/9

Left: 127.266+/-2.011 χ^2/NDF: 244.5/19

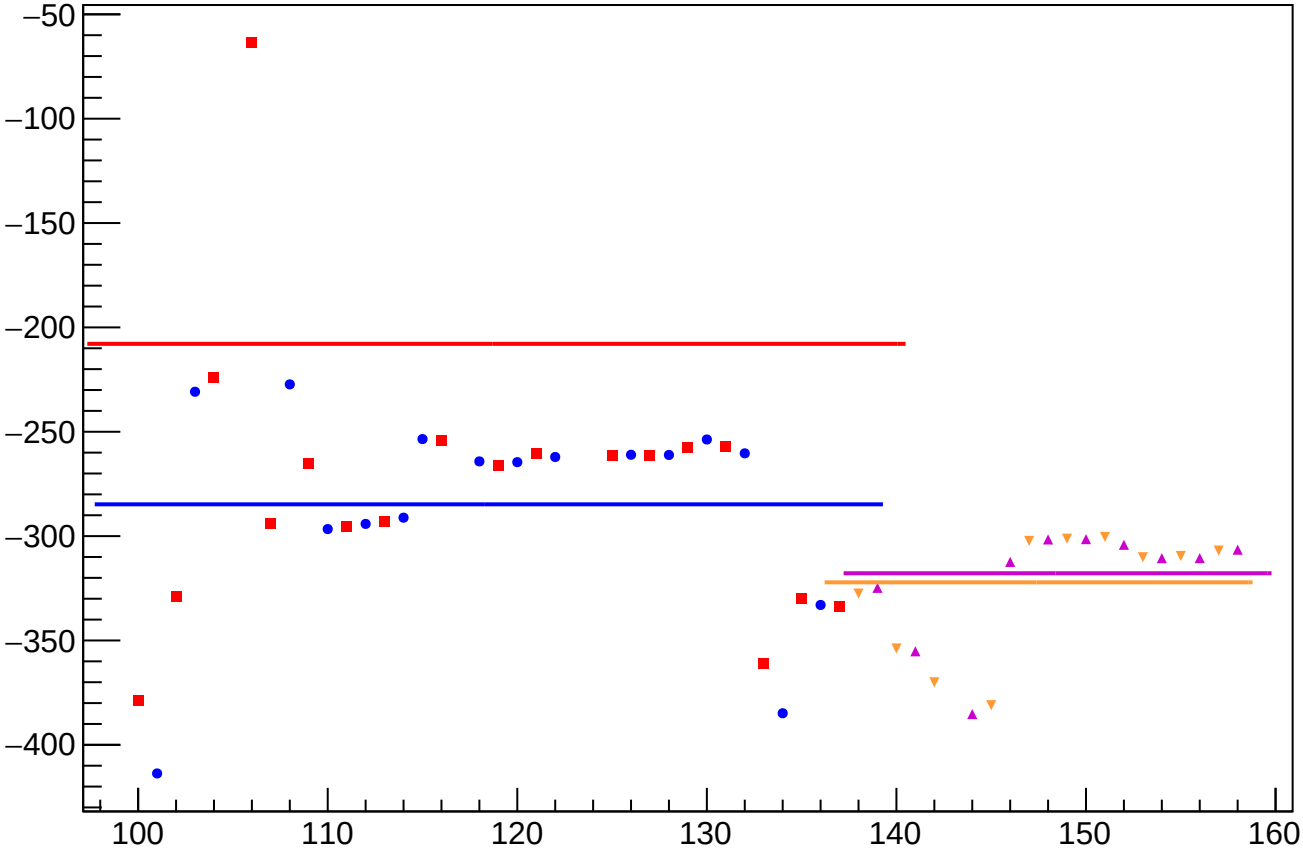
Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 129.714+/-2.069 χ^2/NDF:322.9/25

Out: 119.424+/-2.076 χ^2/NDF:473.3/27

All: 124.585+/-1.466 χ^2/NDF: 808.6/53

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -322.146+/-0.143 χ^2/NDF:37007.5/9

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -317.790+/-0.132 χ^2/NDF:31847.8/9

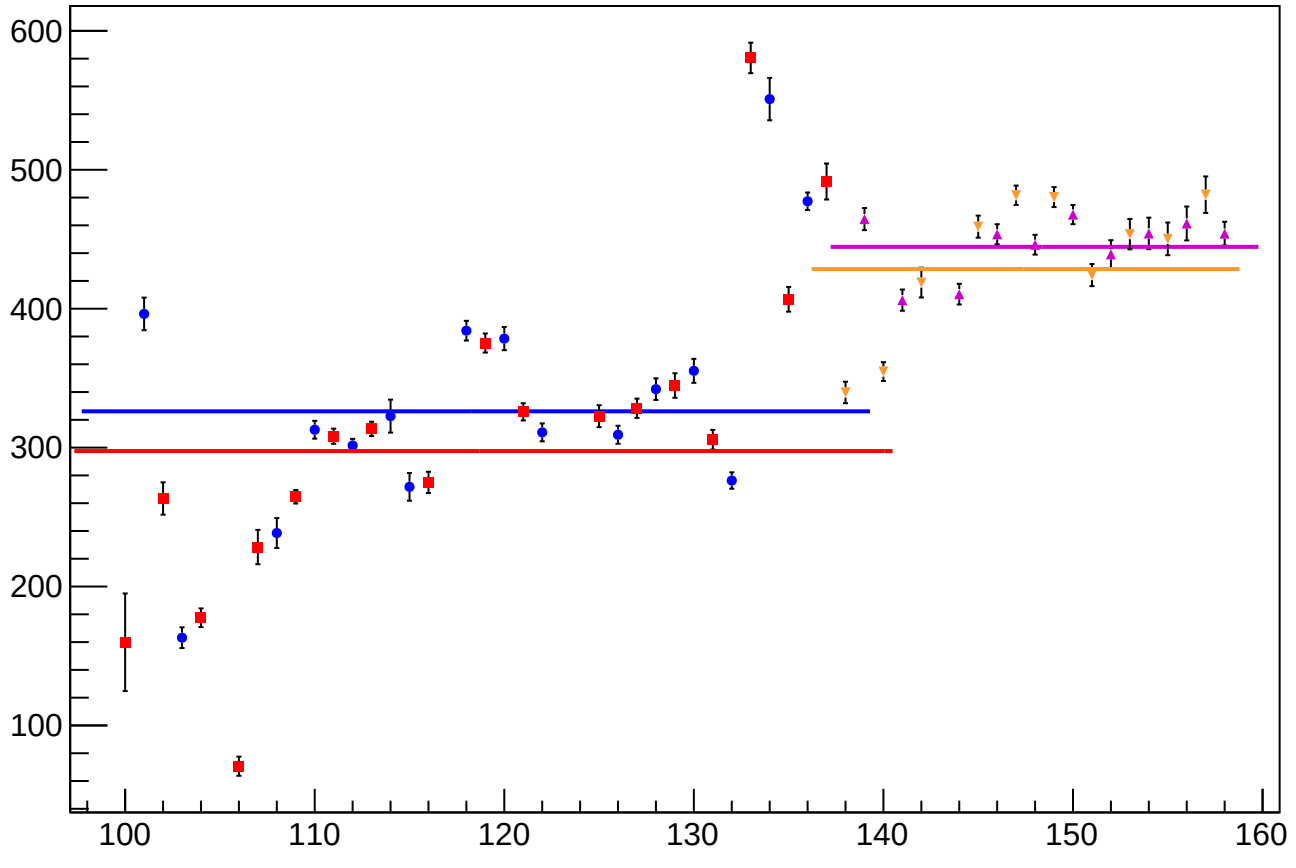
Left: -319.799+/-0.097 χ^2/NDF: 69357.5/19

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -306.035+/-0.106 χ^2/NDF:158500.7/25

Out: -267.426+/-0.103 χ^2/NDF:880884.7/27

All: -286.189+/-0.074 χ^2/NDF: 1107672.8/53



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 428.575+/-2.670 χ^2/NDF:402.3/9

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 444.517+/-2.592 χ^2/NDF:69.7/9

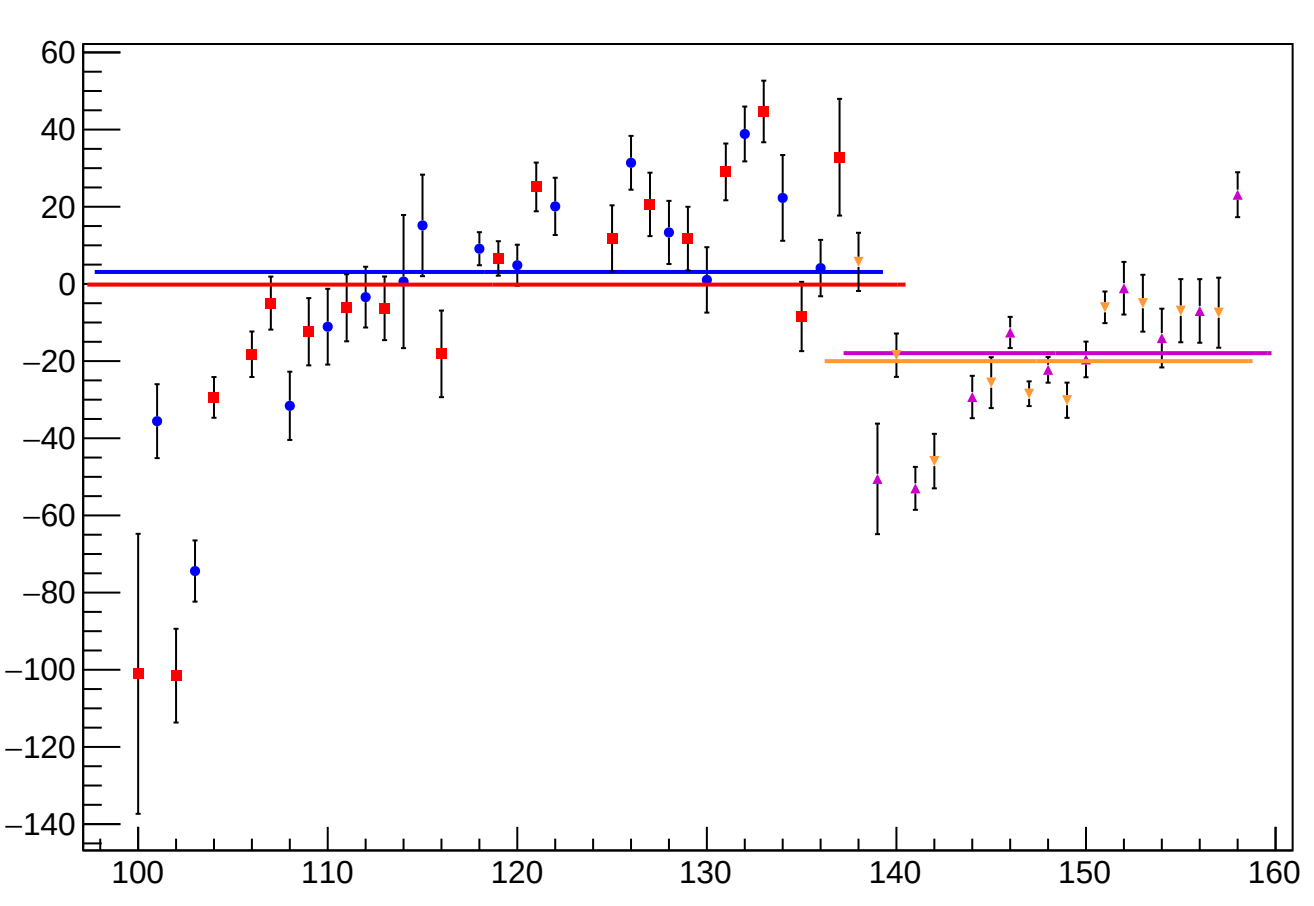
Left: 436.781+/-1.860 χ^2/NDF: 490.3/19

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 366.275+/-1.509 χ^2/NDF:3091.0/25

Out: 336.435+/-1.455 χ^2/NDF:4871.7/27

All: 350.802+/-1.047 χ^2/NDF: 8165.3/53



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -20.010+/-1.708 χ^2/NDF:58.0/9

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -17.939+/-1.688 χ^2/NDF:110.5/9

Left: -18.962+/-1.201 χ^2/NDF: 169.2/19

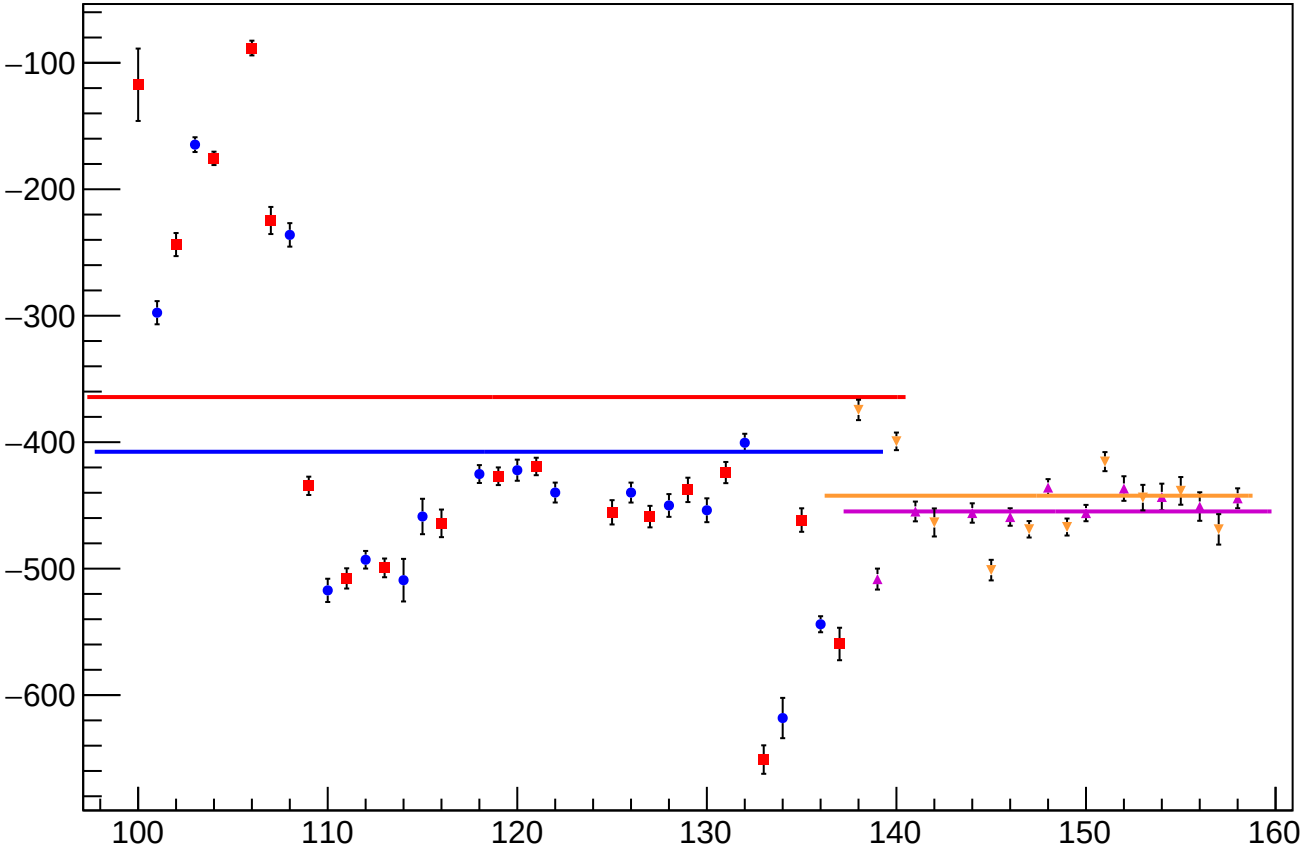
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -8.612+/-1.260 χ^2/NDF:363.9/25

Out: -10.566+/-1.236 χ^2/NDF:327.4/27

All: -9.608+/-0.882 χ^2/NDF: 692.5/53

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: -442.321+/-2.602 χ^2/NDF:213.0/9

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -454.771+/-2.507 χ^2/NDF:56.7/9

Left: -448.777+/-1.805 χ^2/NDF: 281.6/19

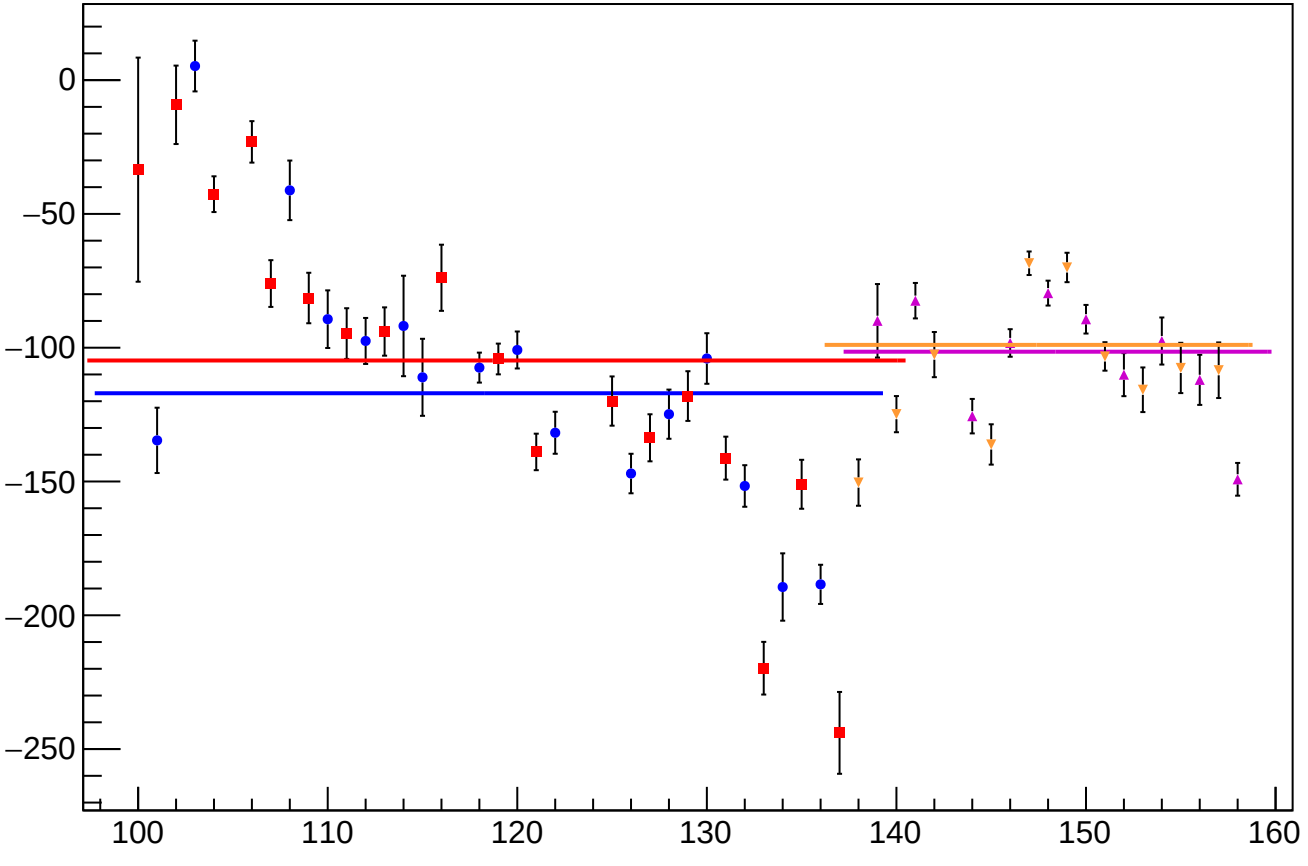
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -426.750+/-1.598 χ^2/NDF:3547.7/25

Out: -392.238+/-1.556 χ^2/NDF:7010.6/27

All: -409.041+/-1.115 χ^2/NDF: 10797.6/53

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -98.948+/-2.122 χ^2/NDF:156.7/9

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -101.497+/-2.052 χ^2/NDF:114.0/9

Left: -100.266+/-1.475 χ^2/NDF: 271.5/19

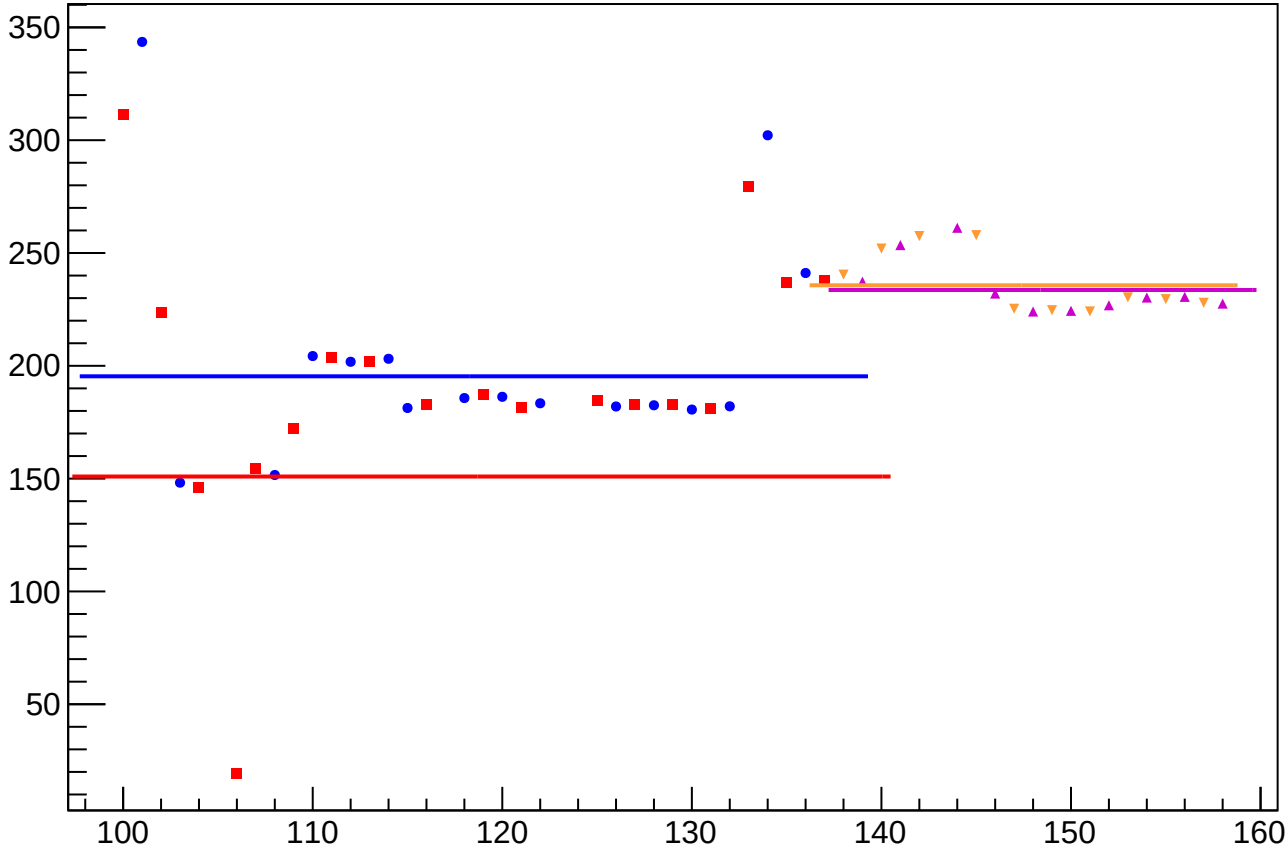
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -108.738+/-1.499 χ^2/NDF:548.5/25

Out: -101.908+/-1.489 χ^2/NDF:735.6/27

All: -105.302+/-1.056 χ^2/NDF: 1294.6/53

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: 235.700+/-0.104 χ^2/NDF:15210.9/9

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 233.610+/-0.097 χ^2/NDF:14022.9/9

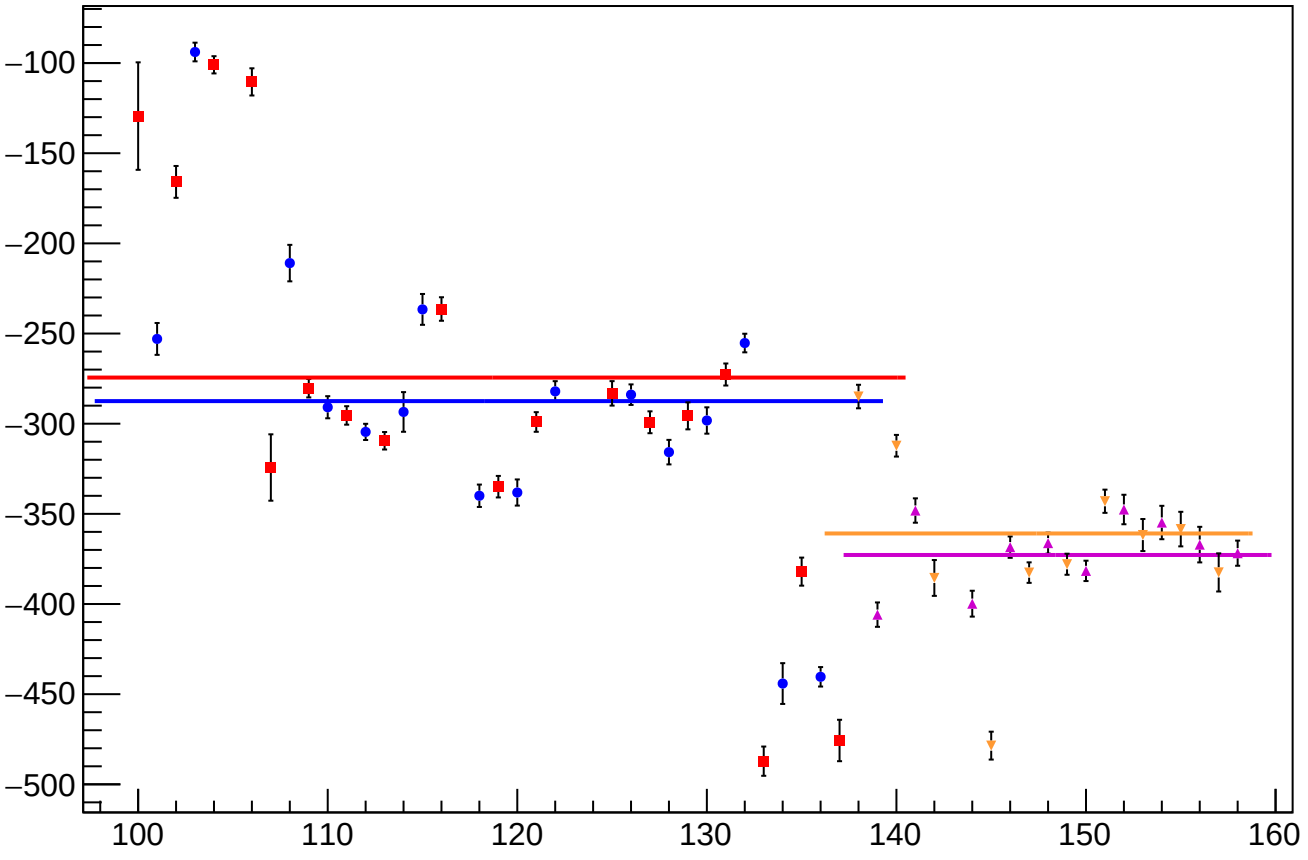
Left: 234.579+/-0.071 χ^2/NDF: 29449.3/19

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 219.186+/-0.077 χ^2/NDF:249708.5/25

Out: 195.629+/-0.076 χ^2/NDF:826615.6/27

All: 207.288+/-0.054 χ^2/NDF: 1124192.7/53



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -360.876+/-2.265 χ^2/NDF:473.6/9

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -372.808+/-2.182 χ^2/NDF:69.3/9

Left: -367.065+/-1.572 χ^2/NDF: 557.3/19

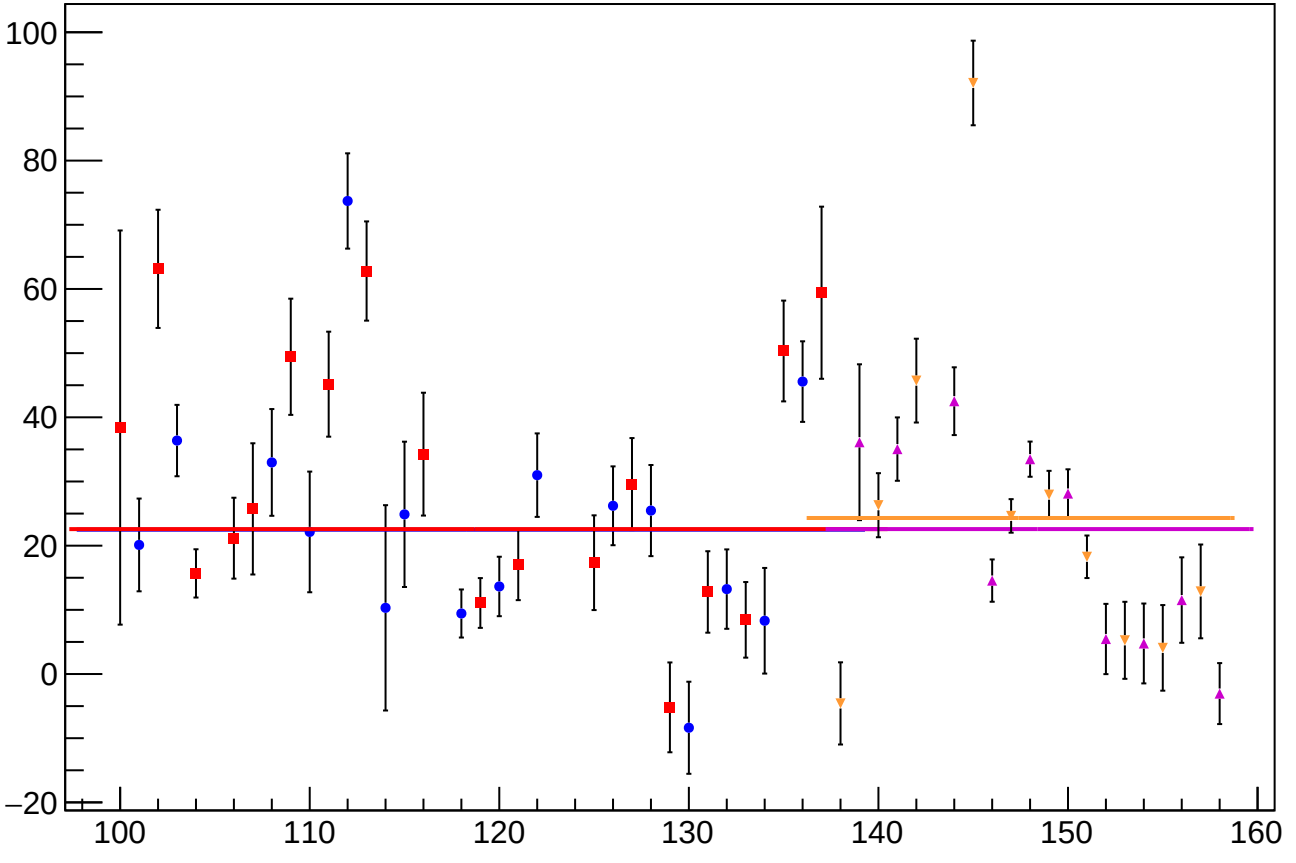
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -317.581+/-1.296 χ^2/NDF:3755.4/25

Out: -302.019+/-1.280 χ^2/NDF:4878.6/27

All: -309.702+/-0.911 χ^2/NDF: 8707.0/53

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 24.312+/-1.428 χ^2/NDF:163.1/9

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 22.584+/-1.407 χ^2/NDF:95.6/9

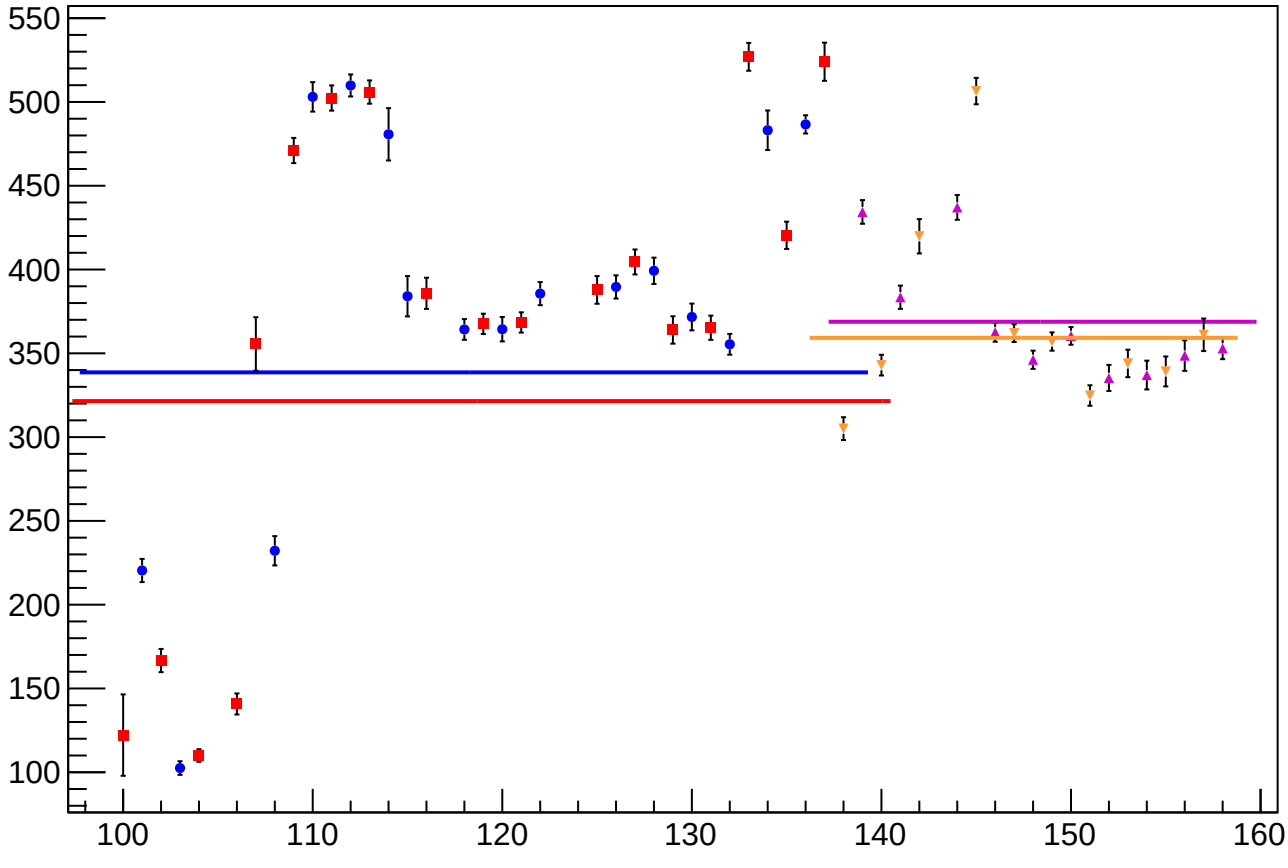
Left: 23.435+/-1.003 χ^2/NDF: 259.4/19

Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 22.545+/-1.063 χ^2/NDF:207.0/25

Out: 23.528+/-1.057 χ^2/NDF:287.1/27

All: 23.039+/-0.749 χ^2/NDF: 494.5/53



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 359.233+/-2.196 χ^2/NDF:495.5/9

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 368.833+/-2.102 χ^2/NDF:240.5/9

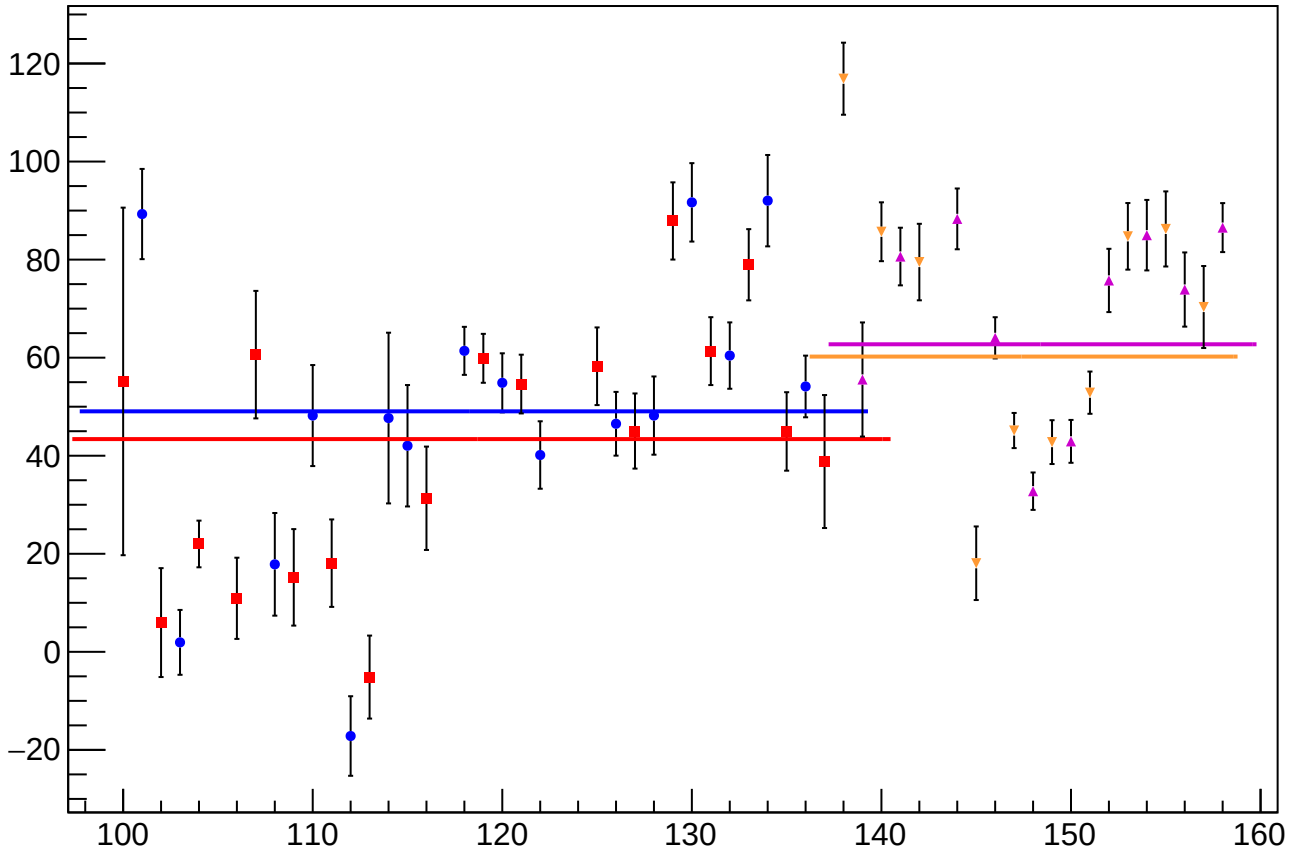
Left: 364.244+/-1.519 χ^2/NDF: 745.9/19

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 350.980+/-1.344 χ^2/NDF:6405.1/25

Out: 335.576+/-1.341 χ^2/NDF:8401.3/27

All: 343.262+/-0.950 χ^2/NDF: 14872.3/53



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 60.223+/-1.781 χ^2/NDF:177.0/9

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 62.731+/-1.713 χ^2/NDF:147.5/9

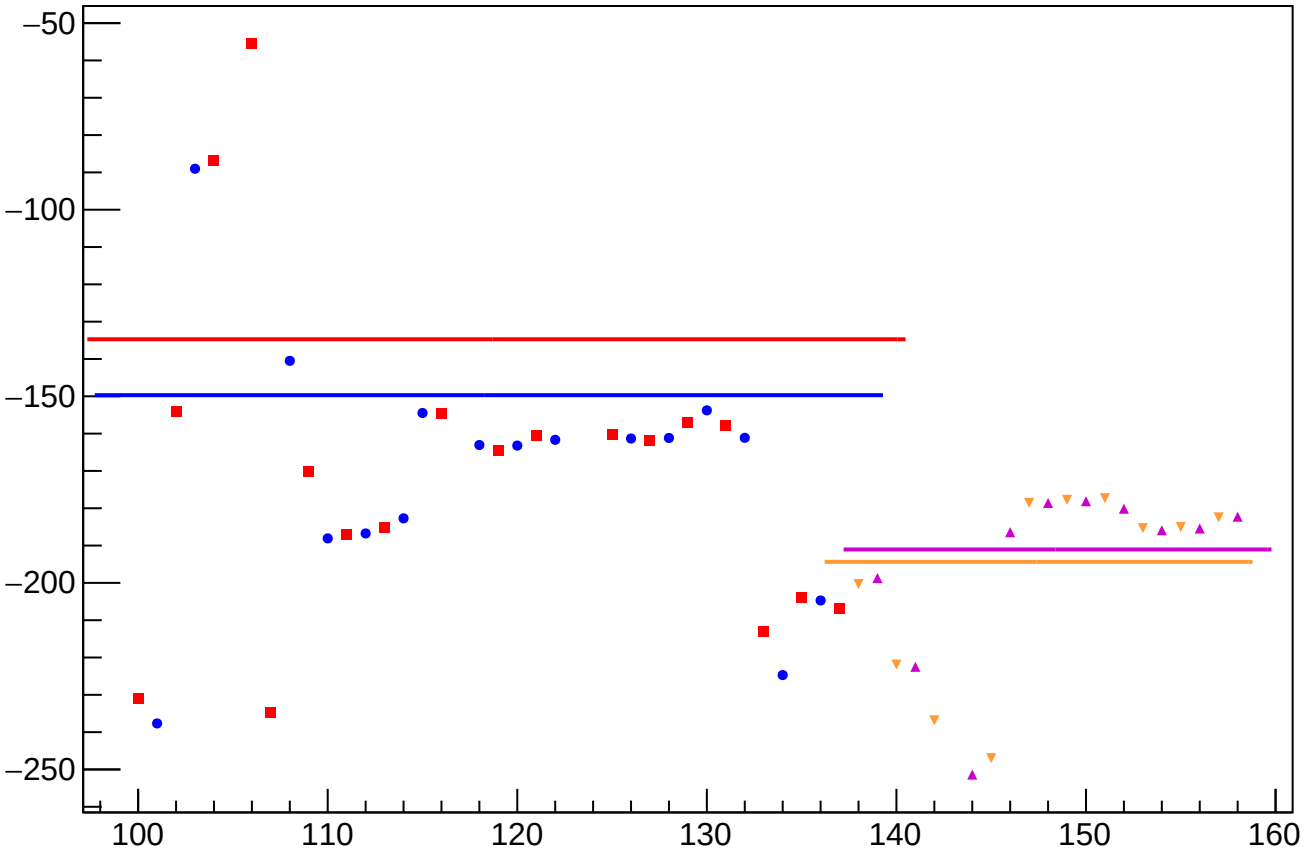
Left: 61.526+/-1.235 χ^2/NDF: 325.6/19

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 56.536+/-1.267 χ^2/NDF:384.3/25

Out: 52.053+/-1.278 χ^2/NDF:400.4/27

All: 54.313+/-0.900 χ^2/NDF: 790.9/53



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -194.362+/-0.088 χ^2/NDF:67117.3/9

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -191.049+/-0.081 χ^2/NDF:57224.9/9

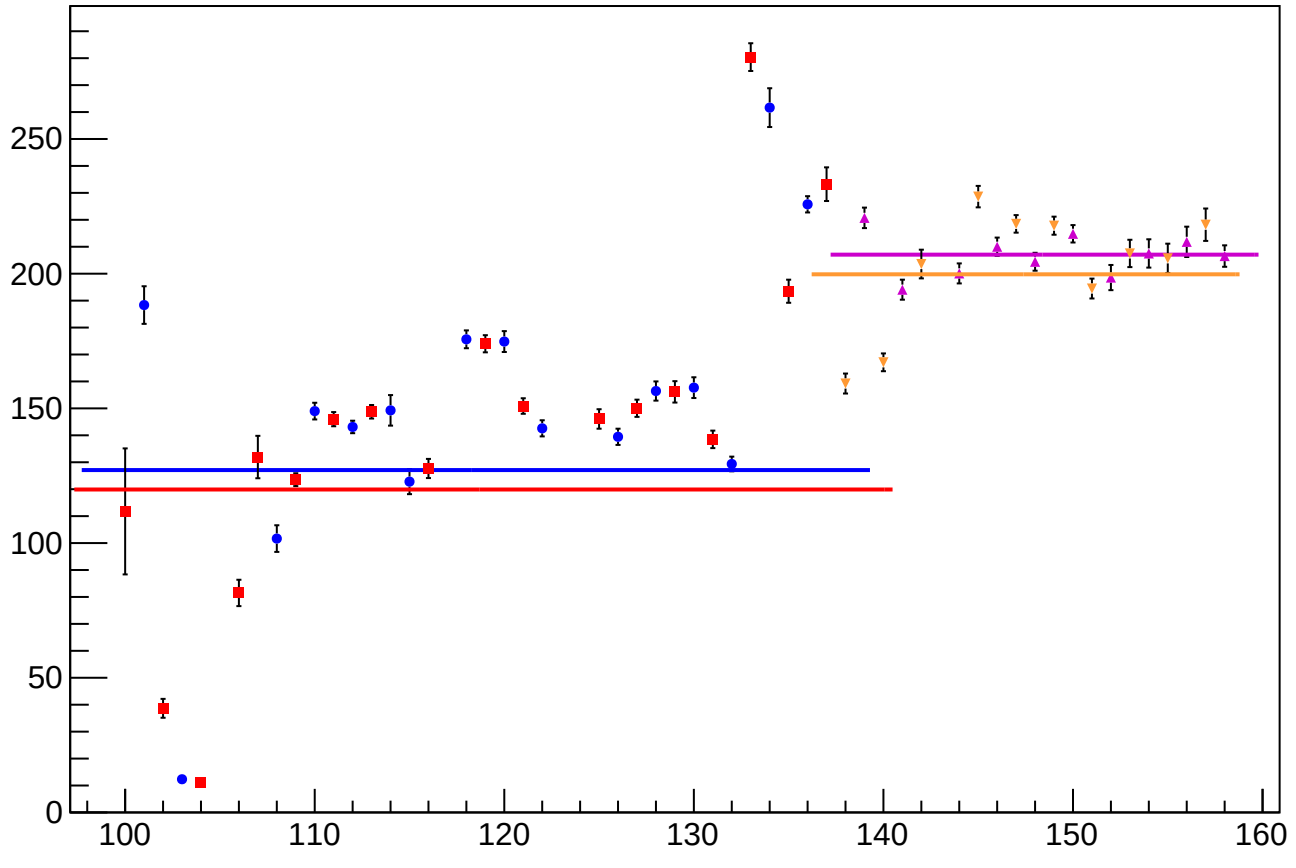
Left: -192.571+/-0.059 χ^2/NDF: 125112.6/19

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -174.856+/-0.063 χ^2/NDF:416040.7/25

Out: -167.507+/-0.065 χ^2/NDF:587659.4/27

All: -171.295+/-0.045 χ^2/NDF: 1010272.2/53



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 199.769+/-1.270 χ^2/NDF:347.3/9

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.066+/-1.228 χ^2/NDF:39.8/9

Left: 203.542+/-0.883 χ^2/NDF: 404.2/19

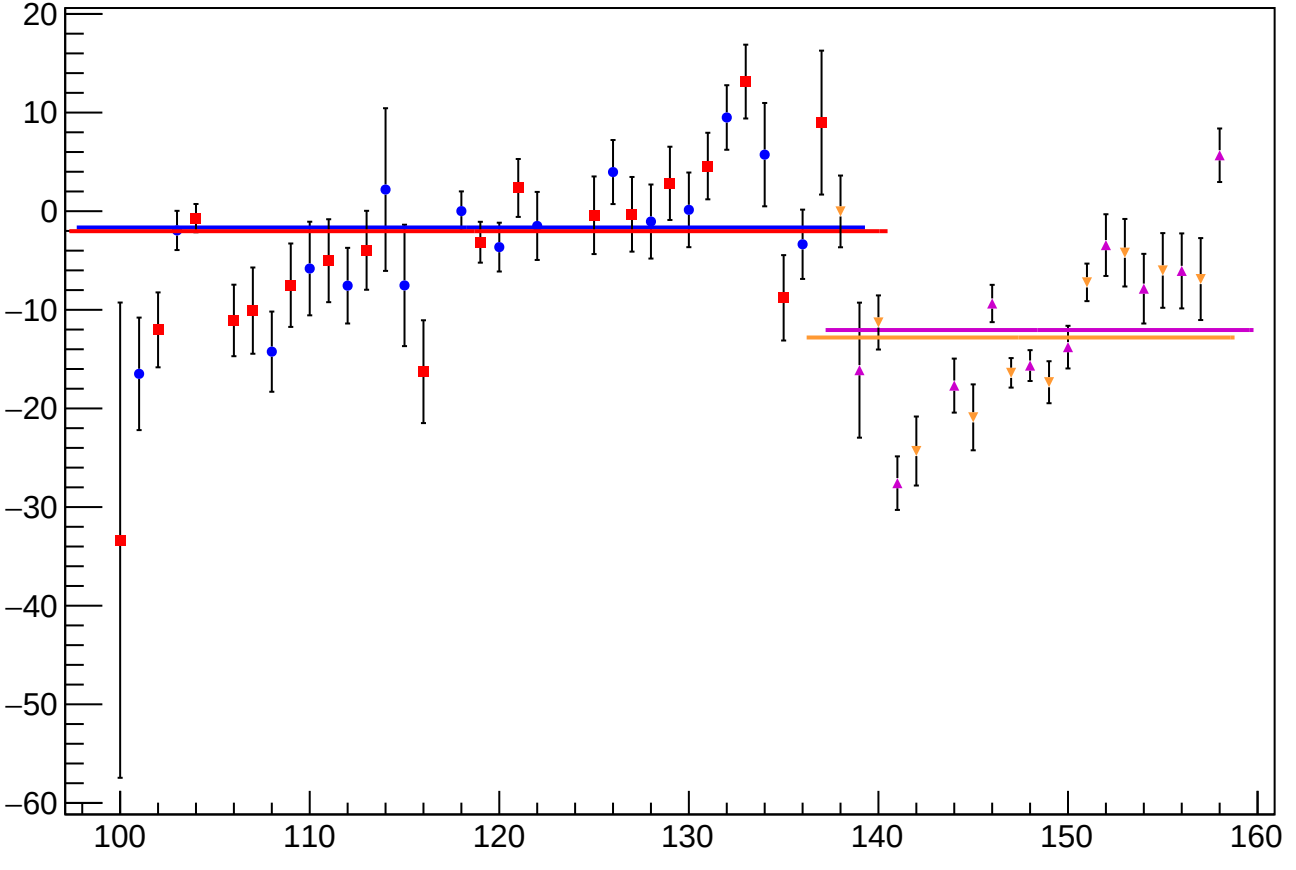
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 151.390+/-0.677 χ^2/NDF:9157.5/25

Out: 141.524+/-0.661 χ^2/NDF:9880.6/27

All: 146.343+/-0.473 χ^2/NDF: 19146.9/53

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -12.807+/-0.807 χ^2/NDF:59.8/9

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -12.049+/-0.796 χ^2/NDF:99.4/9

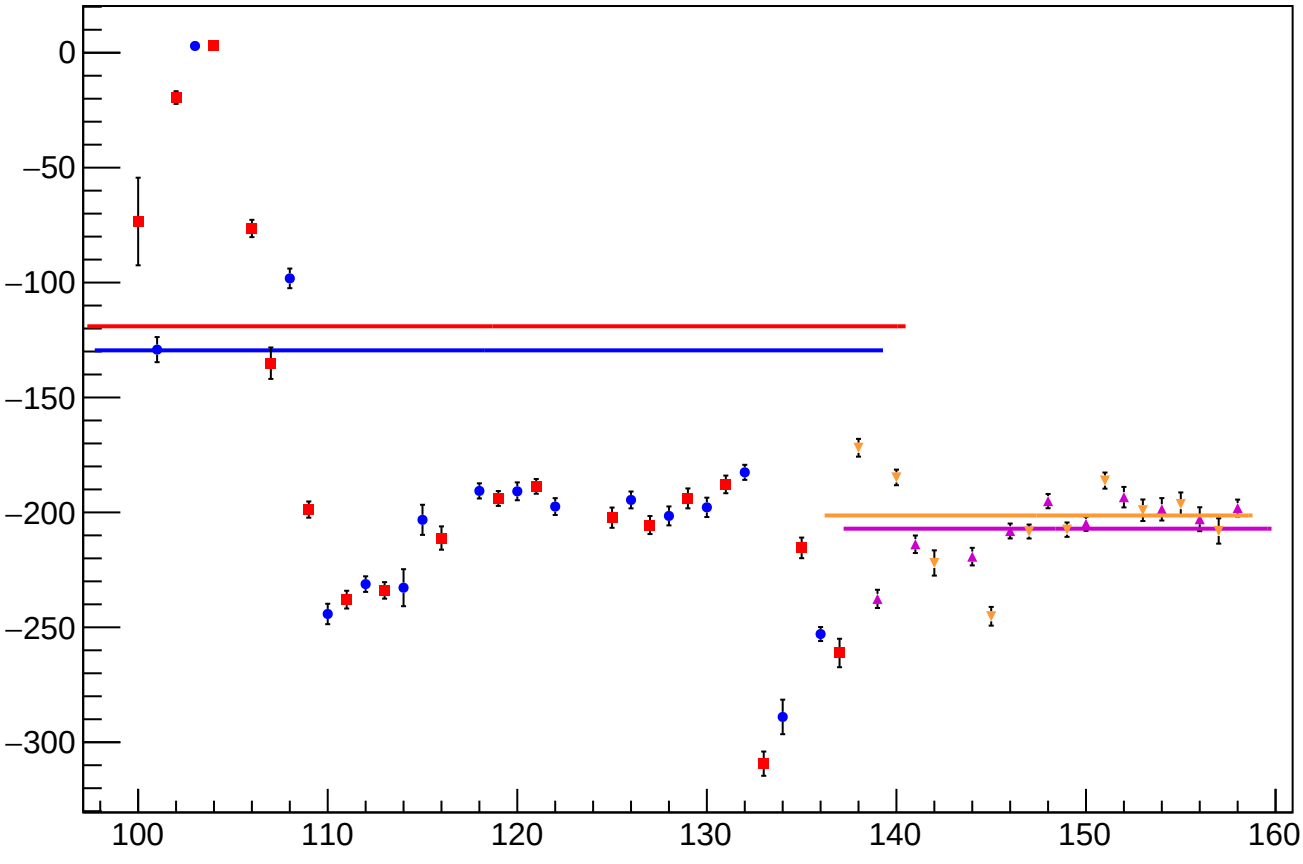
Left: -12.423+/-0.567 χ^2/NDF: 159.6/19

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -7.086+/-0.575 χ^2/NDF:219.9/25

Out: -7.166+/-0.557 χ^2/NDF:211.8/27

All: -7.127+/-0.400 χ^2/NDF: 431.7/53



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.334+/-1.235 χ^2/NDF:242.5/9

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -207.087+/-1.185 χ^2/NDF:107.1/9

Left: -204.329+/-0.855 χ^2/NDF: 360.9/19

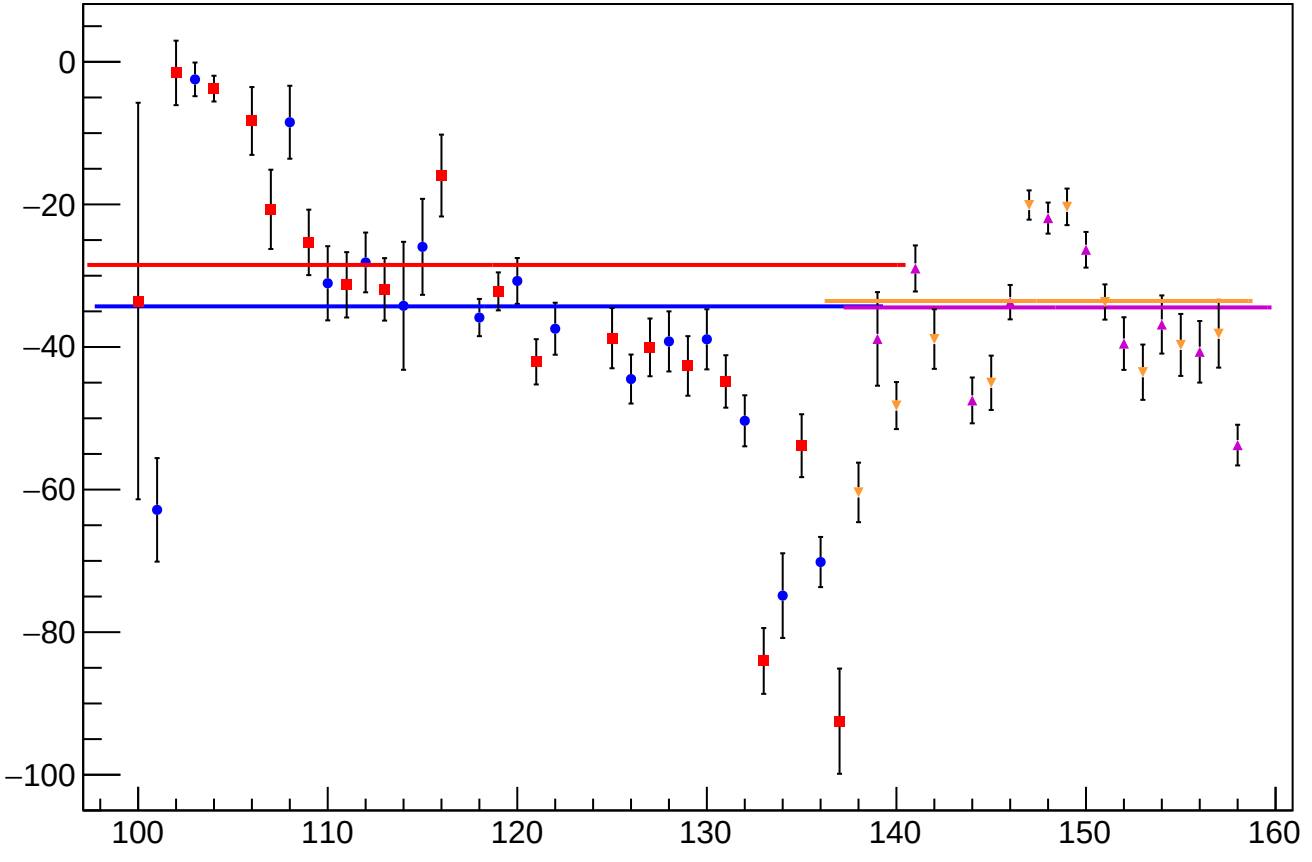
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -155.714+/-0.689 χ^2/NDF:17634.5/25

Out: -143.912+/-0.679 χ^2/NDF:19521.0/27

All: -149.728+/-0.483 χ^2/NDF: 37304.4/53

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: -33.546+/-1.004 χ^2/NDF:150.9/9

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -34.450+/-0.968 χ^2/NDF:113.5/9

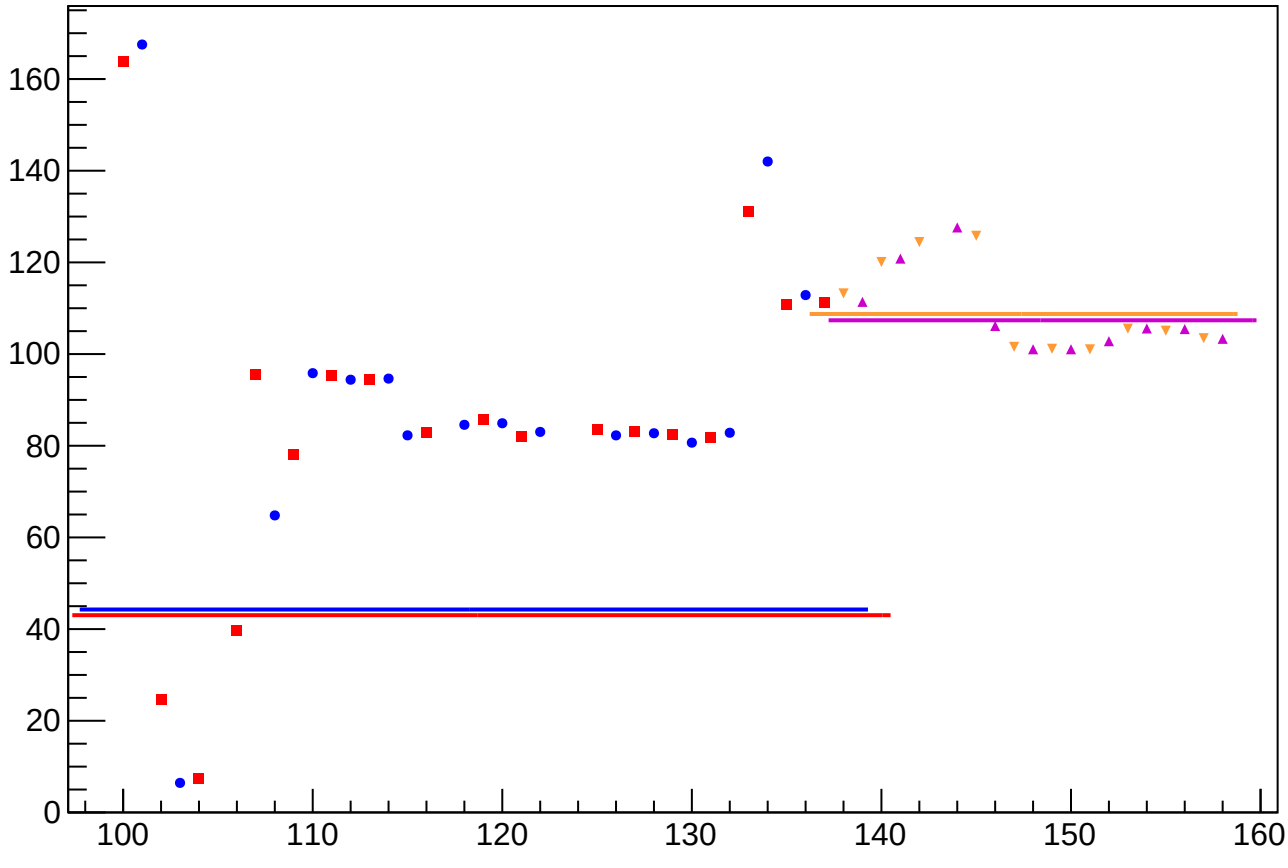
Left: -34.015+/-0.697 χ^2/NDF: 264.8/19

Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -34.375+/-0.684 χ^2/NDF:524.8/25

Out: -30.761+/-0.673 χ^2/NDF:732.9/27

All: -32.538+/-0.480 χ^2/NDF: 1271.9/53



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 108.748+/-0.049 χ^2/NDF:33354.0/9

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 107.368+/-0.046 χ^2/NDF:29516.6/9

Left: 108.005+/-0.034 χ^2/NDF: 63291.4/19

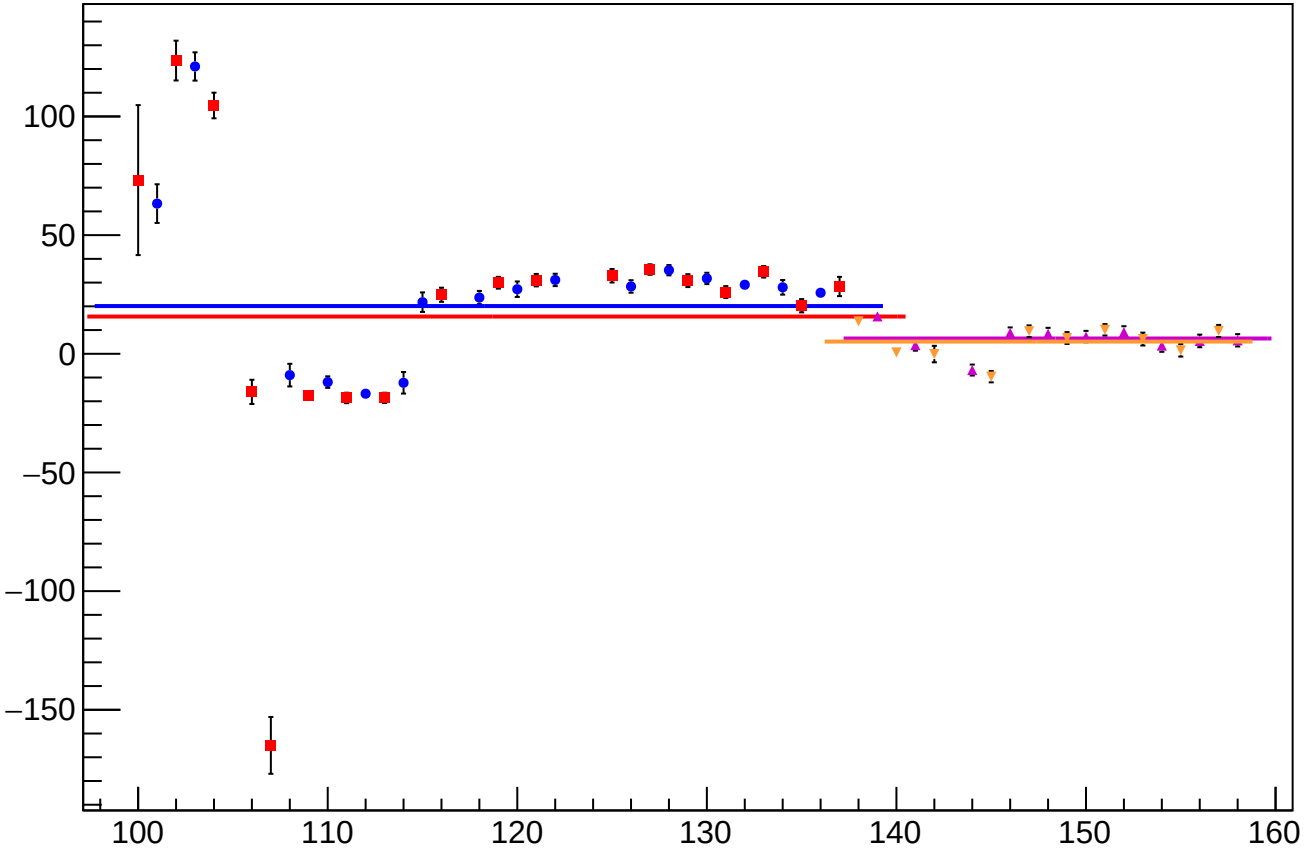
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 75.297+/-0.032 χ^2/NDF:2083720.4/25

Out: 72.885+/-0.033 χ^2/NDF:1805581.2/27

All: 74.136+/-0.023 χ^2/NDF: 3892029.1/53

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.153+/-0.779 χ^2/NDF:74.7/9

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.448+/-0.757 χ^2/NDF:60.8/9

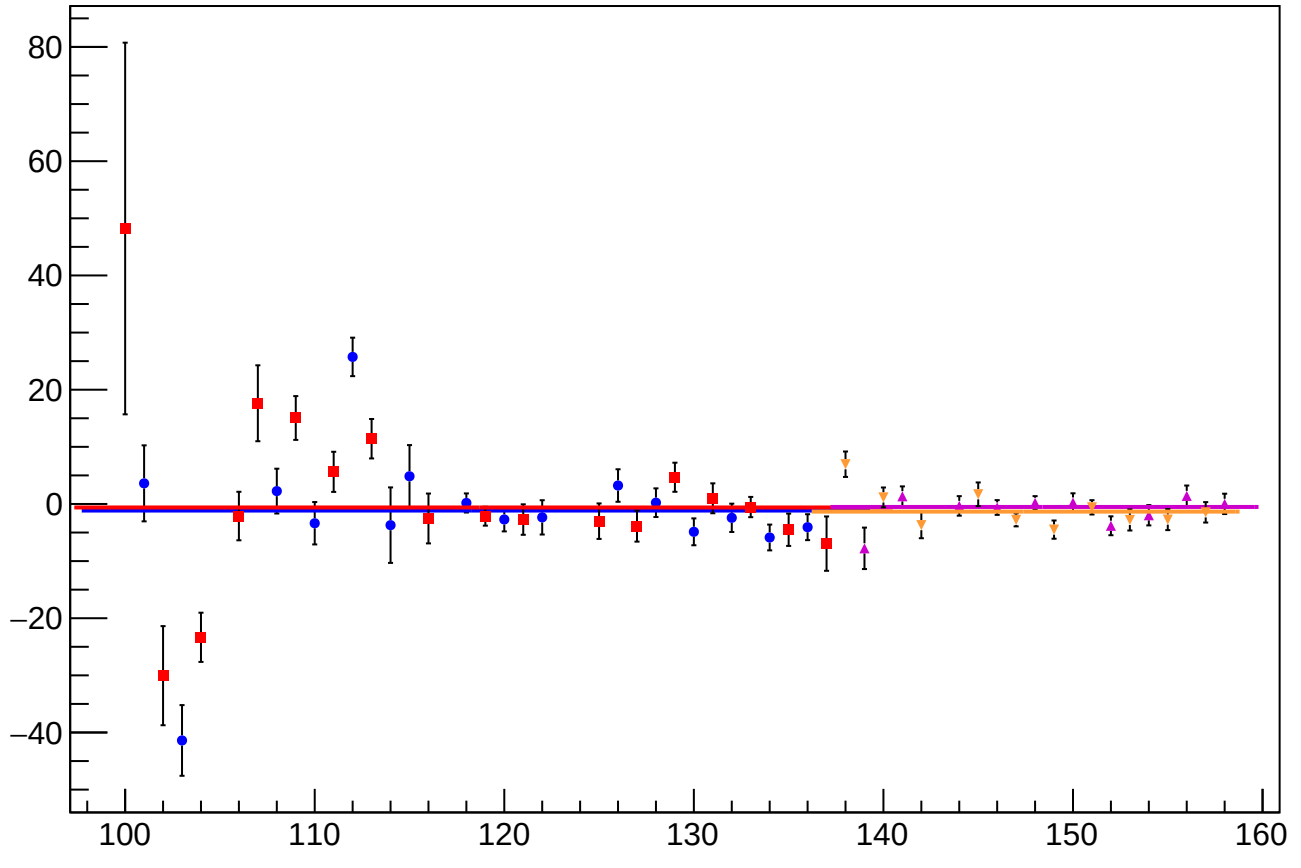
Left: 5.819+/-0.543 χ^2/NDF: 136.9/19

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.941+/-0.509 χ^2/NDF:1287.8/25

Out: 11.120+/-0.513 χ^2/NDF:1952.3/27

All: 12.543+/-0.361 χ^2/NDF: 3255.3/53



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.337+/-0.523 χ^2/NDF:26.2/9

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.523+/-0.515 χ^2/NDF:11.6/9

Left: -0.924+/-0.367 χ^2/NDF: 39.1/19

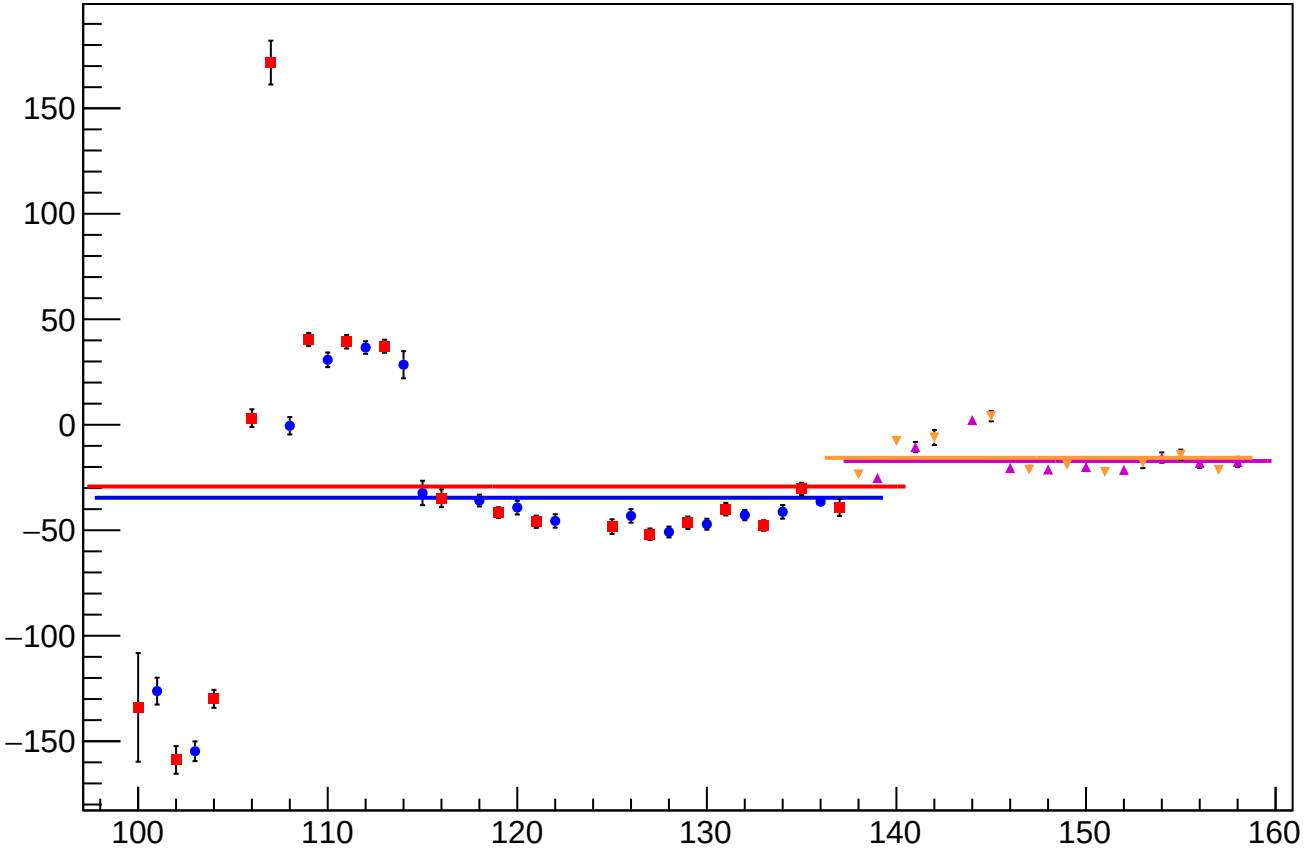
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.744+/-0.415 χ^2/NDF:134.0/25

Out: -1.084+/-0.422 χ^2/NDF:120.3/27

All: -0.911+/-0.296 χ^2/NDF: 254.6/53

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -15.661+/-0.757 χ^2/NDF:123.4/9

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.163+/-0.733 χ^2/NDF:100.0/9

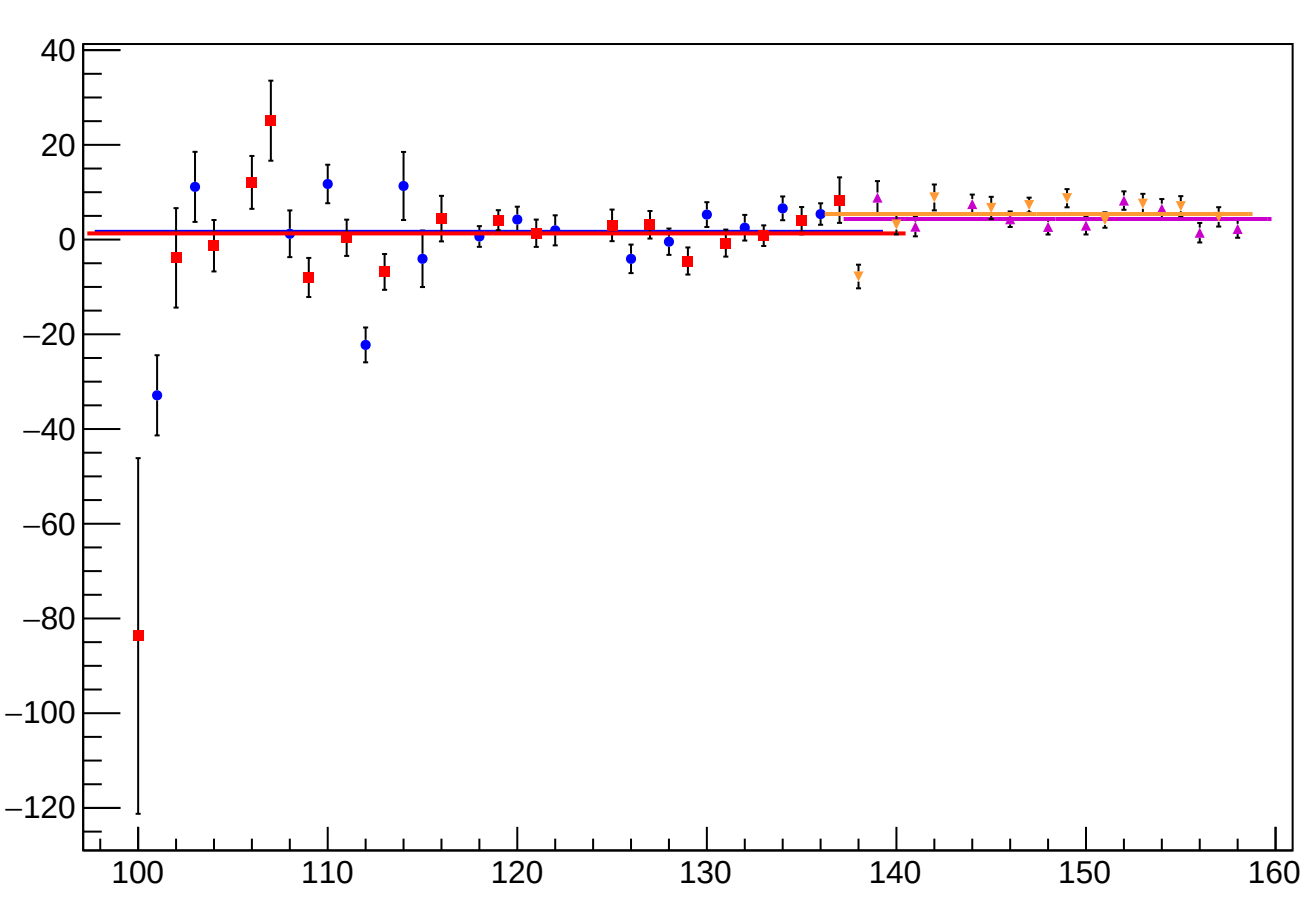
Left: -16.436+/-0.526 χ^2/NDF: 225.4/19

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -25.268+/-0.536 χ^2/NDF:2421.6/25

Out: -22.095+/-0.550 χ^2/NDF:3357.4/27

All: -23.722+/-0.384 χ^2/NDF: 5796.0/53



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.399+/-0.637 χ^2/NDF:37.9/9

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.345+/-0.617 χ^2/NDF:14.7/9

Left: 4.855+/-0.443 χ^2/NDF: 54.1/19

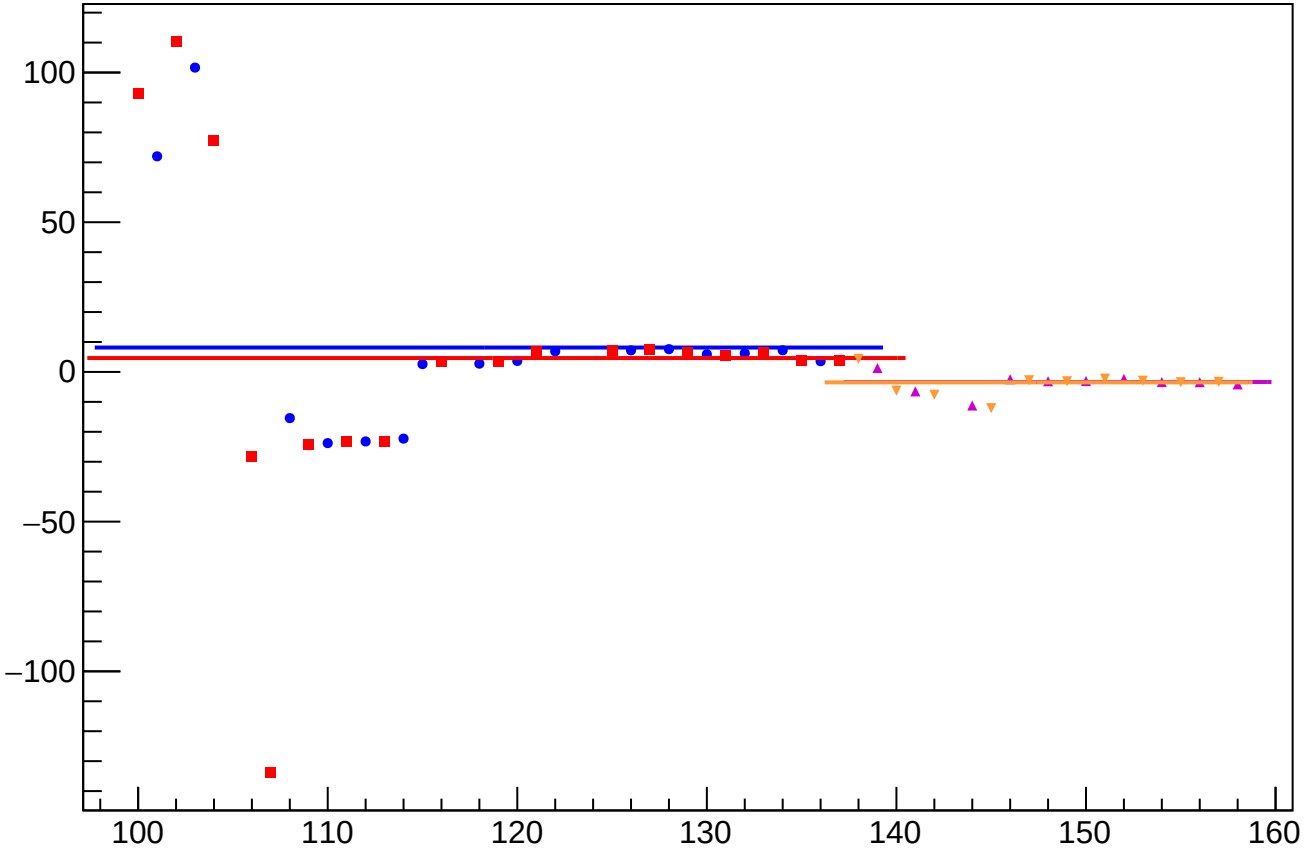
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.329+/-0.488 χ^2/NDF:105.3/25

Out: 3.846+/-0.502 χ^2/NDF:91.1/27

All: 3.580+/-0.350 χ^2/NDF: 197.0/53

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.485+/-0.029 χ^2/NDF:18364.4/9

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.358+/-0.028 χ^2/NDF:10755.3/9

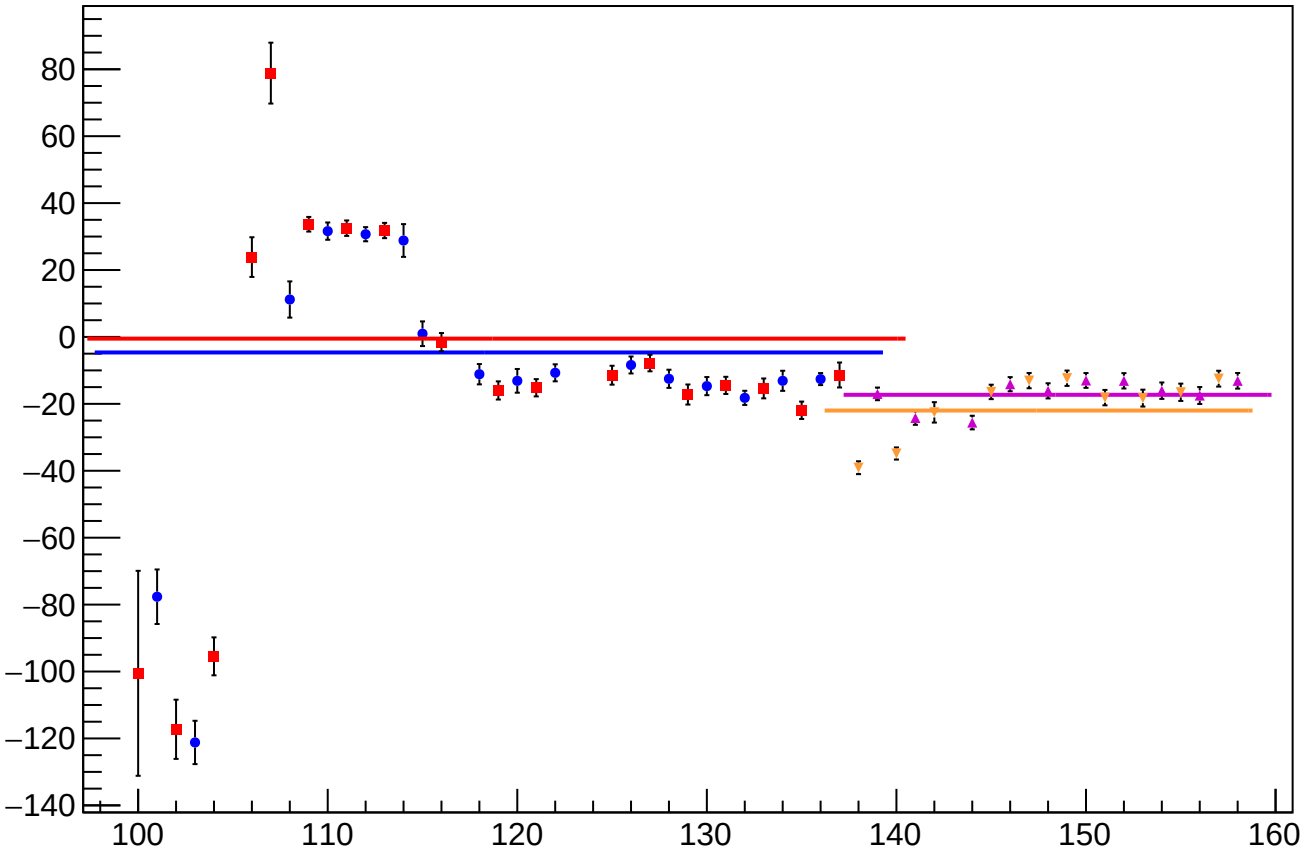
Left: -3.418+/-0.020 χ^2/NDF: 29129.7/19

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.537+/-0.024 χ^2/NDF:366794.8/25

Out: -1.535+/-0.025 χ^2/NDF:483940.6/27

All: -1.008+/-0.017 χ^2/NDF: 851555.8/53



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -21.997+/-0.716 χ^2/NDF:194.2/9

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.298+/-0.695 χ^2/NDF:40.8/9

Left: -19.578+/-0.499 χ^2/NDF: 257.2/19

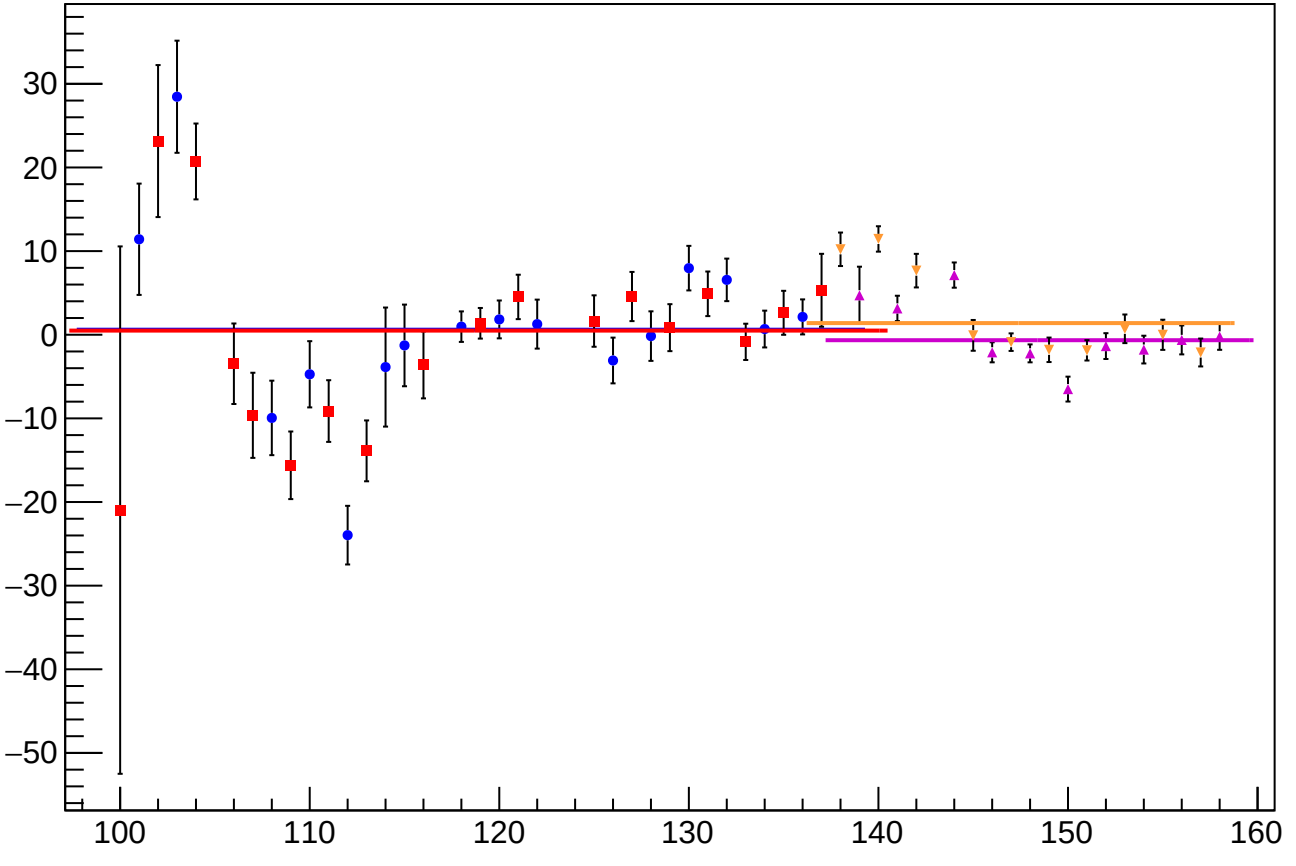
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -11.116+/-0.497 χ^2/NDF:1249.0/25

Out: -11.175+/-0.504 χ^2/NDF:2105.9/27

All: -11.145+/-0.354 χ^2/NDF: 3354.8/53

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.393+/-0.483 χ^2/NDF:95.6/9

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.653+/-0.472 χ^2/NDF:55.2/9

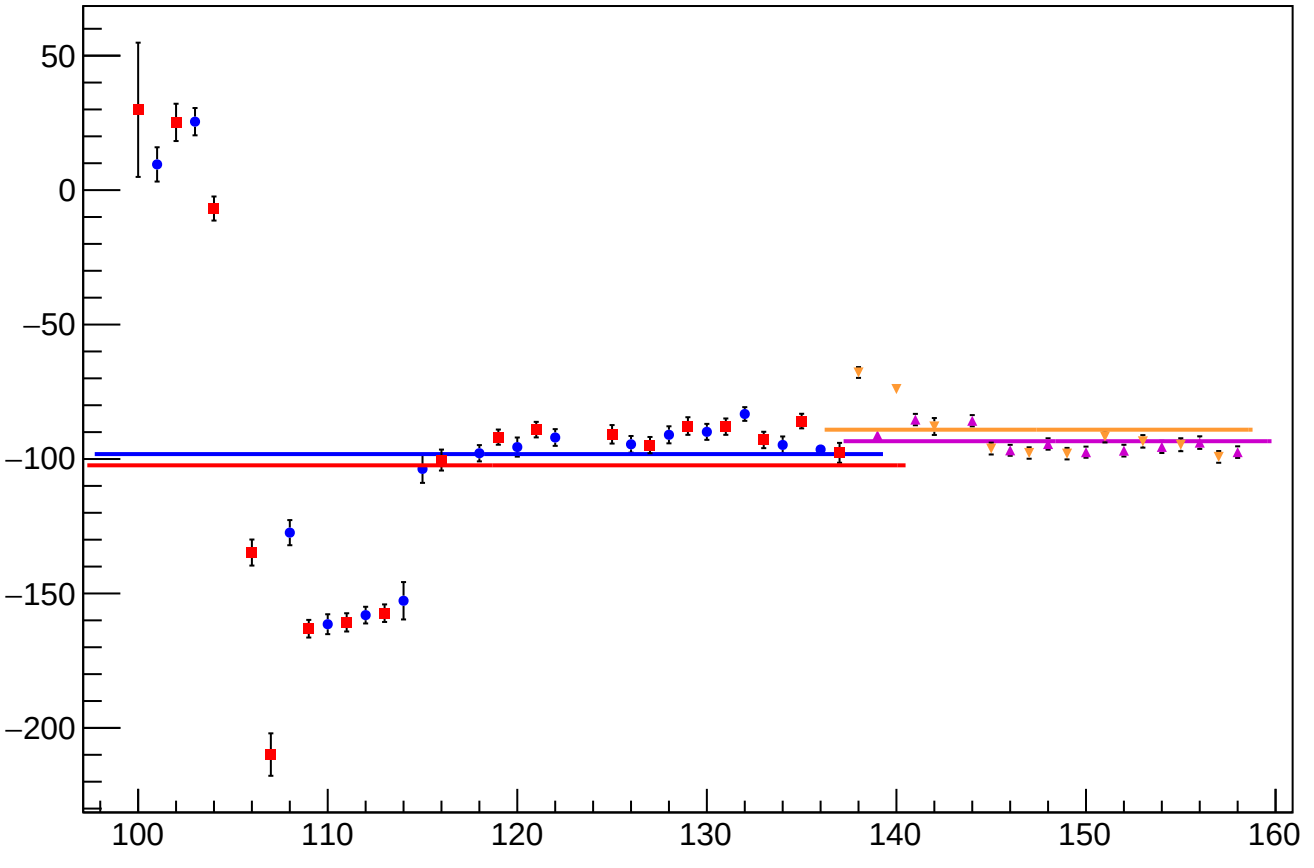
Left: 0.346+/-0.338 χ^2/NDF: 160.0/19

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: -0.281+/-0.396 χ^2/NDF:150.2/25

Out: 1.133+/-0.407 χ^2/NDF:176.7/27

All: 0.406+/-0.284 χ^2/NDF: 333.1/53



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -89.096+/-0.698 χ^2/NDF:253.8/9

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -93.377+/-0.674 χ^2/NDF:42.8/9

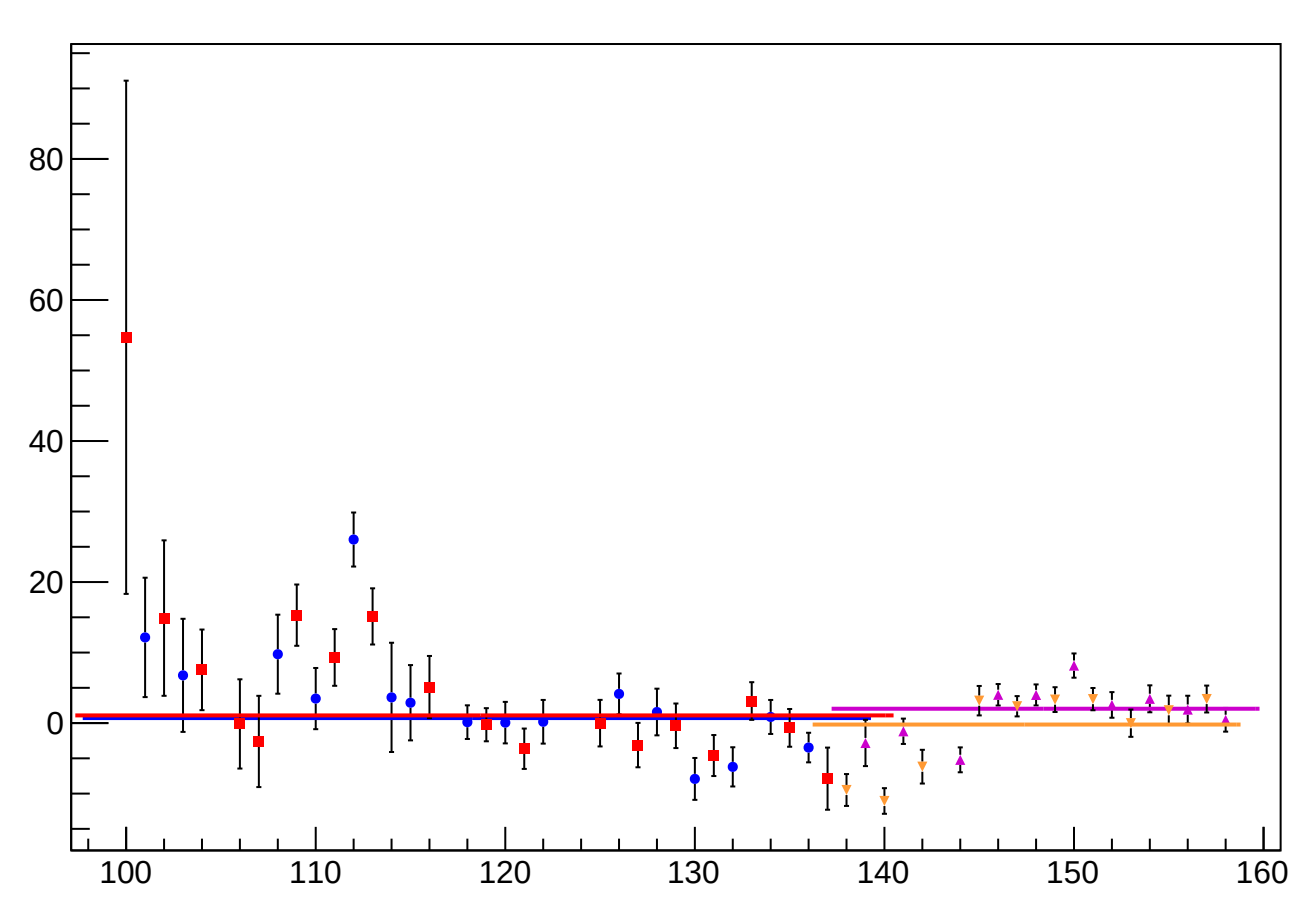
Left: -91.311+/-0.485 χ^2/NDF: 316.1/19

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.328+/-0.519 χ^2/NDF:1763.3/25

Out: -94.529+/-0.536 χ^2/NDF:2519.2/27

All: -94.942+/-0.373 χ^2/NDF: 4283.7/53



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.207+/-0.589 χ^2/NDF:78.4/9

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.034+/-0.565 χ^2/NDF:39.8/9

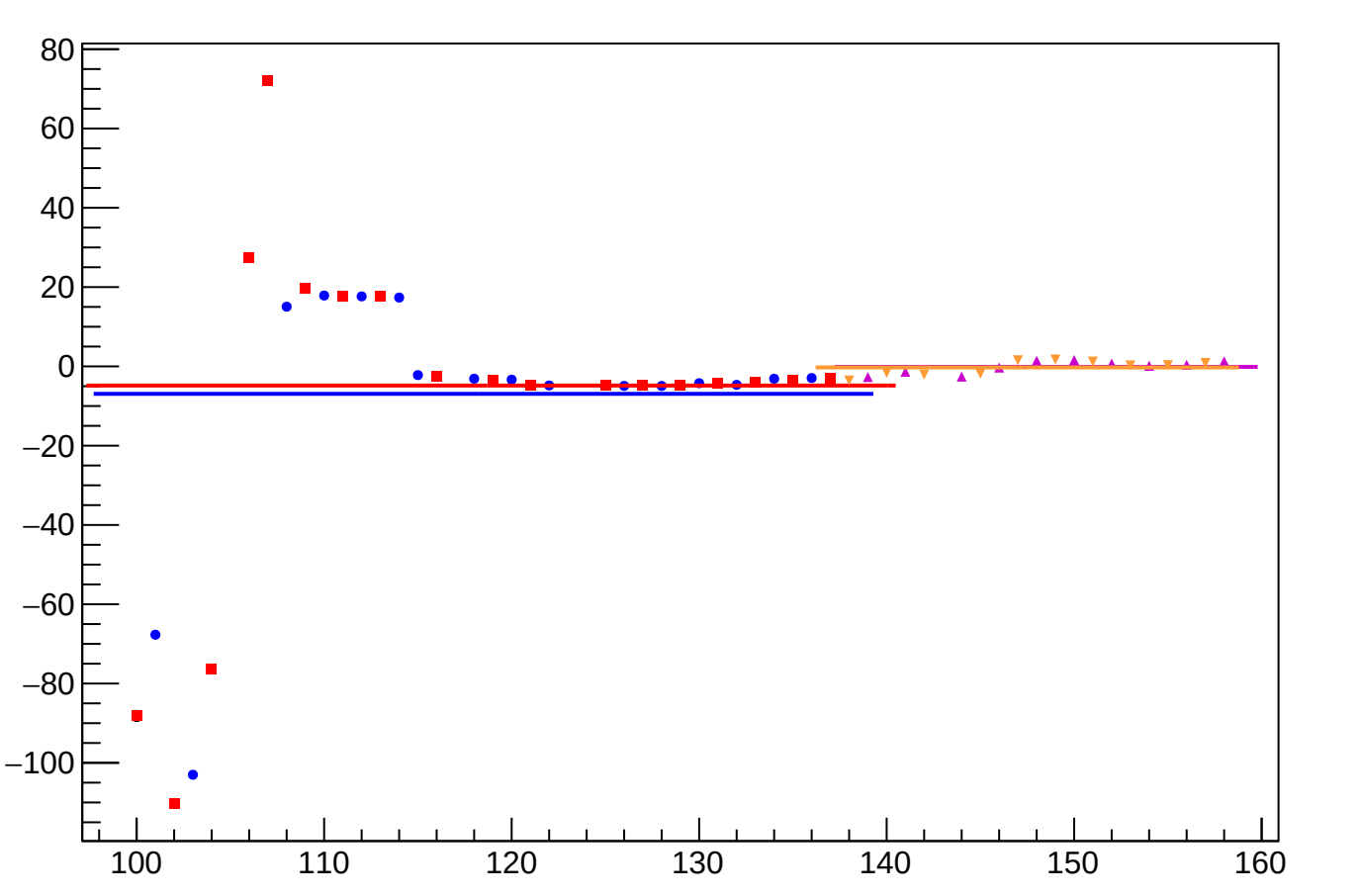
Left: 0.959+/-0.408 χ^2/NDF: 125.7/19

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 1.609+/-0.465 χ^2/NDF:111.2/25

Out: 0.208+/-0.485 χ^2/NDF:127.6/27

All: 0.938+/-0.336 χ^2/NDF: 243.1/53



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.266+/-0.027 χ^2/NDF:4027.9/9

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.123+/-0.025 χ^2/NDF:3499.1/9

Left: -0.190+/-0.018 χ^2/NDF: 7541.9/19

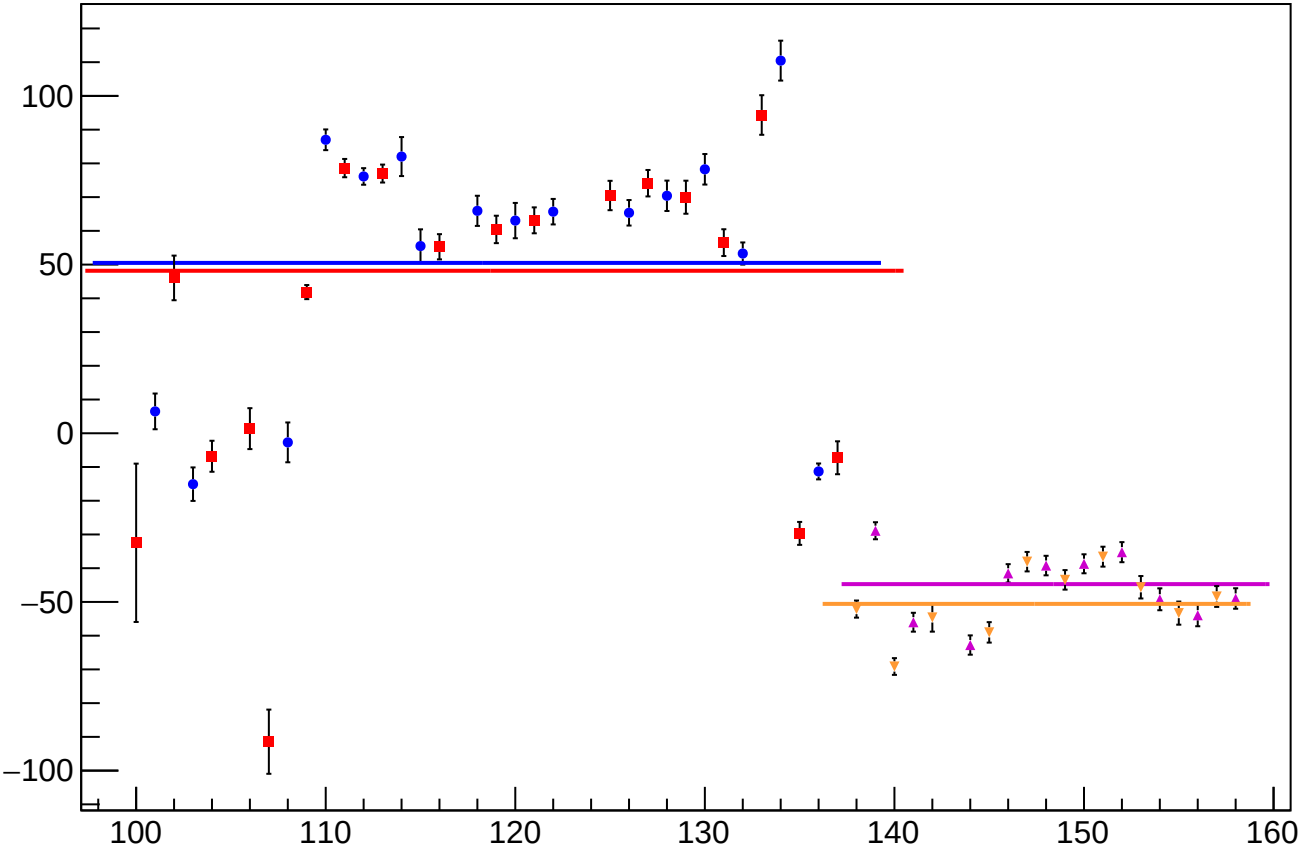
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.590+/-0.023 χ^2/NDF:284105.6/25

Out: -1.208+/-0.024 χ^2/NDF:349327.9/27

All: -1.411+/-0.016 χ^2/NDF: 633567.9/53

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.577+/-0.946 χ^2/NDF:115.7/9

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.718+/-0.914 χ^2/NDF:126.9/9

Left: -47.547+/-0.657 χ^2/NDF: 262.5/19

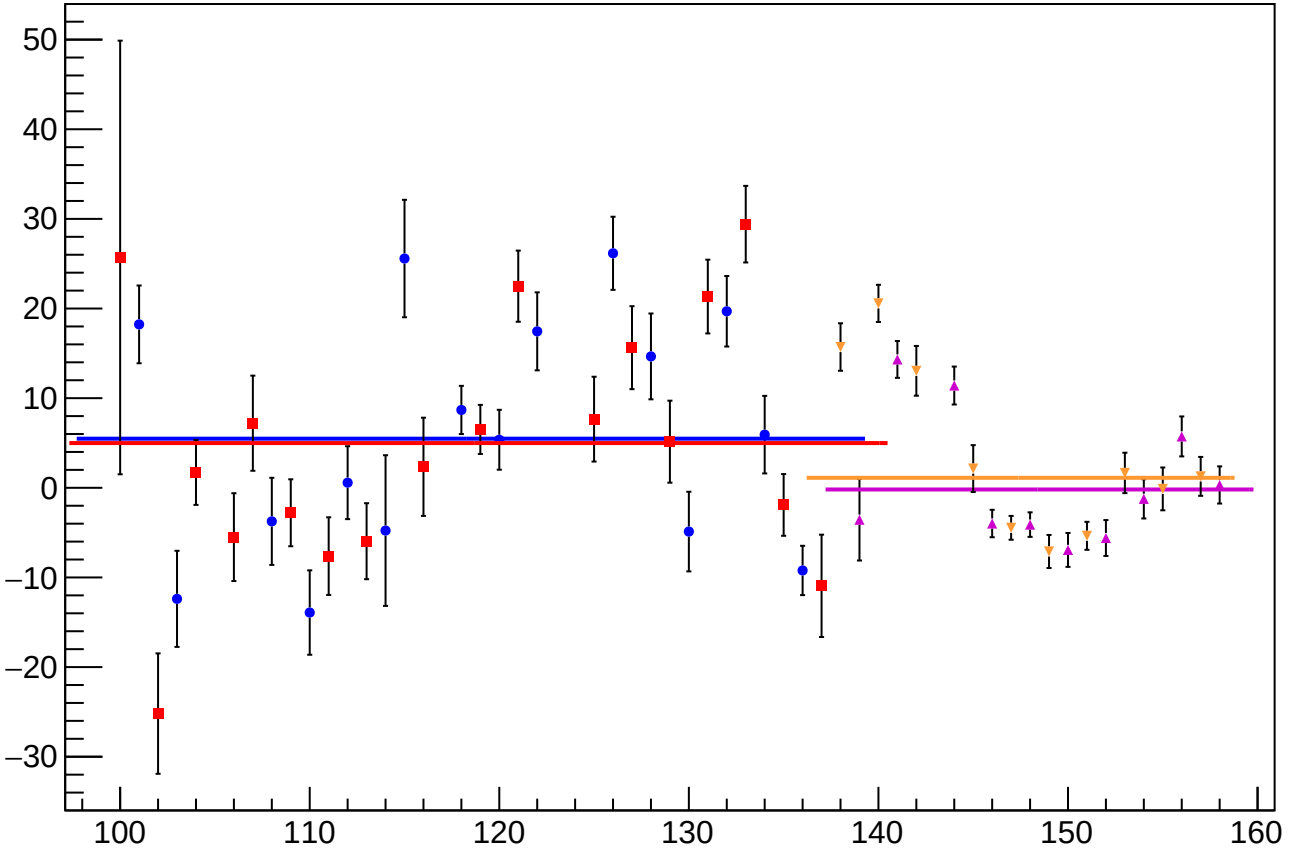
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 0.285+/-0.664 χ^2/NDF:6761.9/25

Out: 0.468+/-0.657 χ^2/NDF:7270.5/27

All: 0.377+/-0.467 χ^2/NDF: 14032.5/53

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: 1.117+/-0.632 χ^2/NDF:192.2/9

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.186+/-0.615 χ^2/NDF:122.2/9

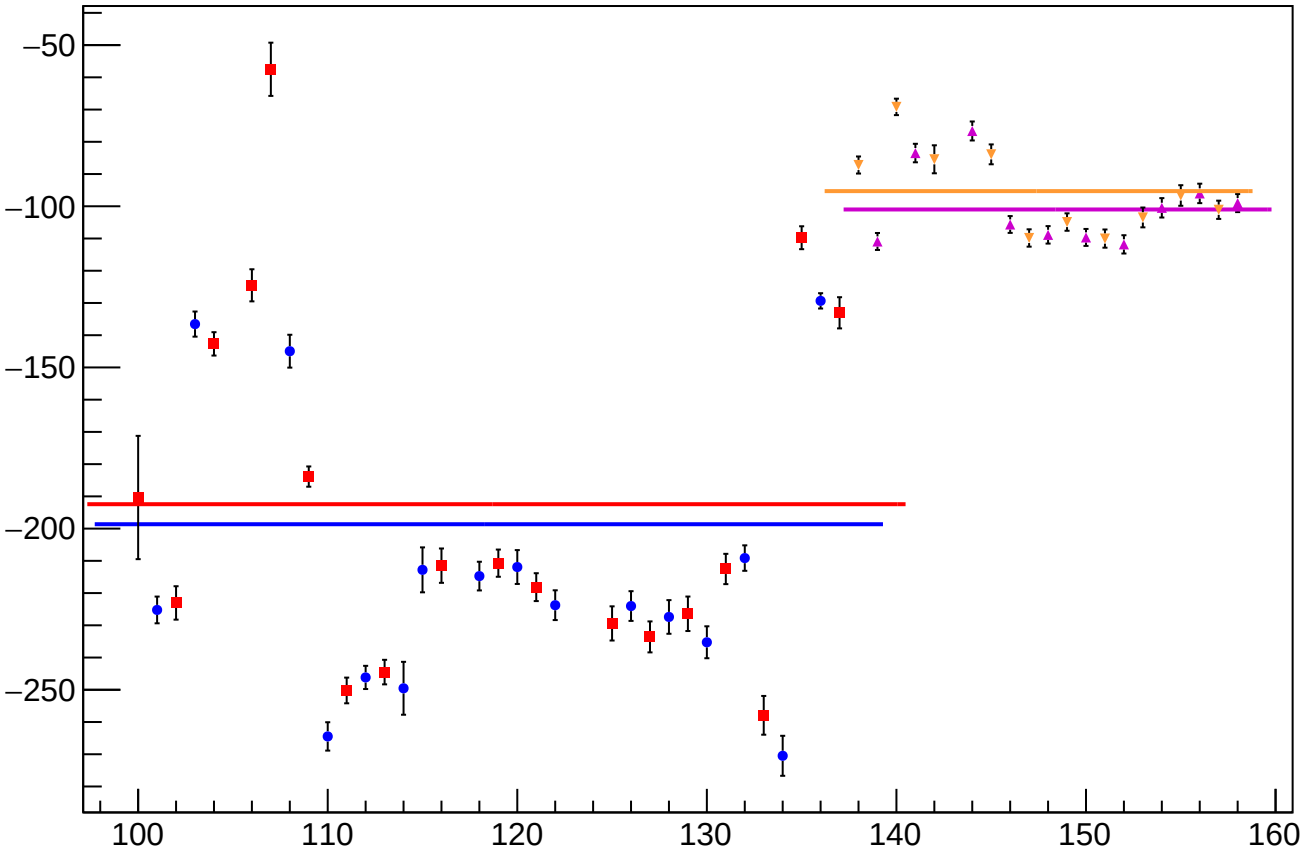
Left: 0.449+/-0.441 χ^2/NDF: 316.5/19

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 1.323+/-0.527 χ^2/NDF:282.9/25

Out: 2.187+/-0.537 χ^2/NDF:334.4/27

All: 1.747+/-0.376 χ^2/NDF: 618.6/53



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.300+/-0.919 χ^2/NDF:213.5/9

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -100.995+/-0.884 χ^2/NDF:160.0/9

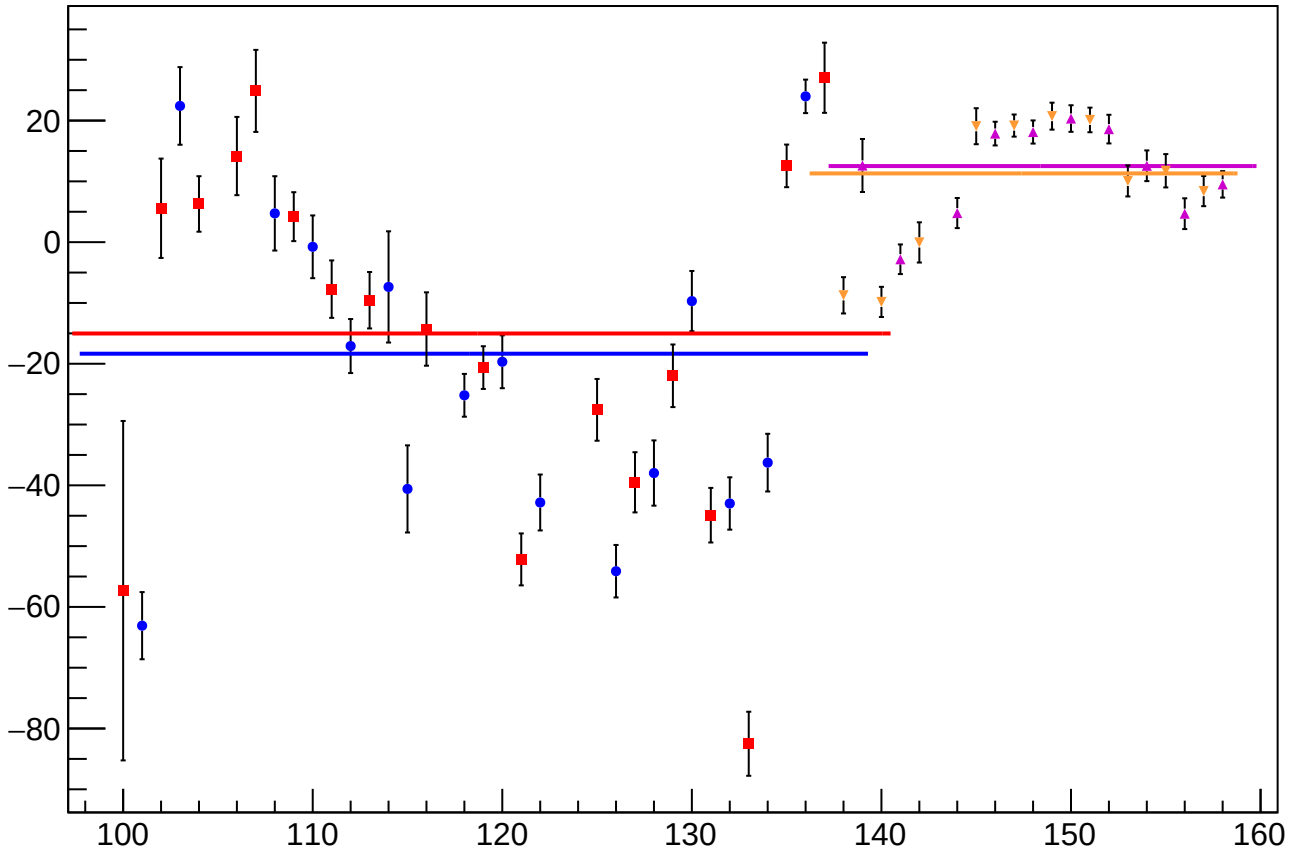
Left: -98.260+/-0.637 χ^2/NDF: 393.5/19

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -139.997+/-0.685 χ^2/NDF:7041.0/25

Out: -136.112+/-0.700 χ^2/NDF:7044.2/27

All: -138.097+/-0.489 χ^2/NDF: 14100.9/53



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.307+/-0.772 χ^2/NDF:193.6/9

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 12.516+/-0.738 χ^2/NDF:96.4/9

Left: 11.939+/-0.533 χ^2/NDF: 291.2/19

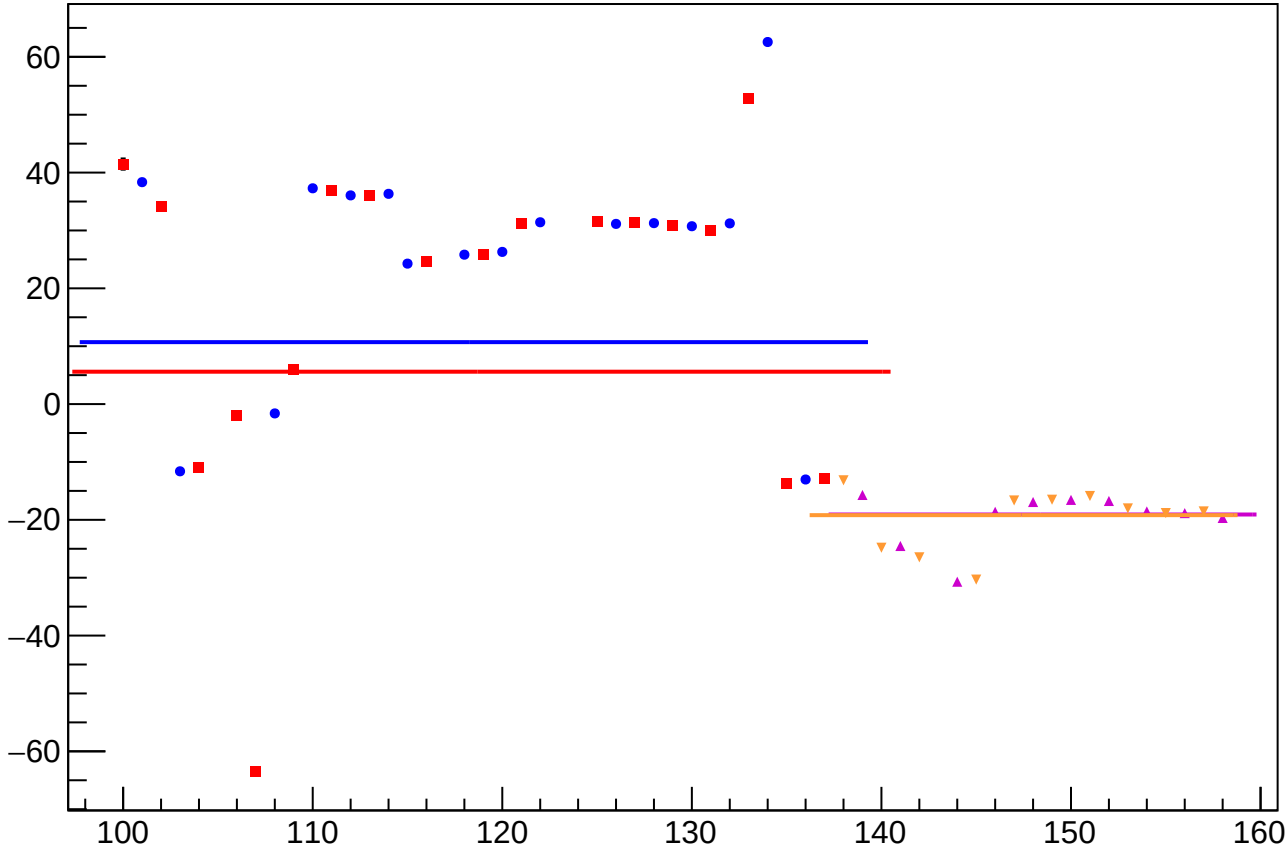
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 3.616+/-0.623 χ^2/NDF:1144.6/25

Out: 3.245+/-0.643 χ^2/NDF:1096.3/27

All: 3.436+/-0.447 χ^2/NDF: 2241.1/53

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.191+/-0.035 χ^2/NDF:17976.4/9

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.079+/-0.033 χ^2/NDF:12775.1/9

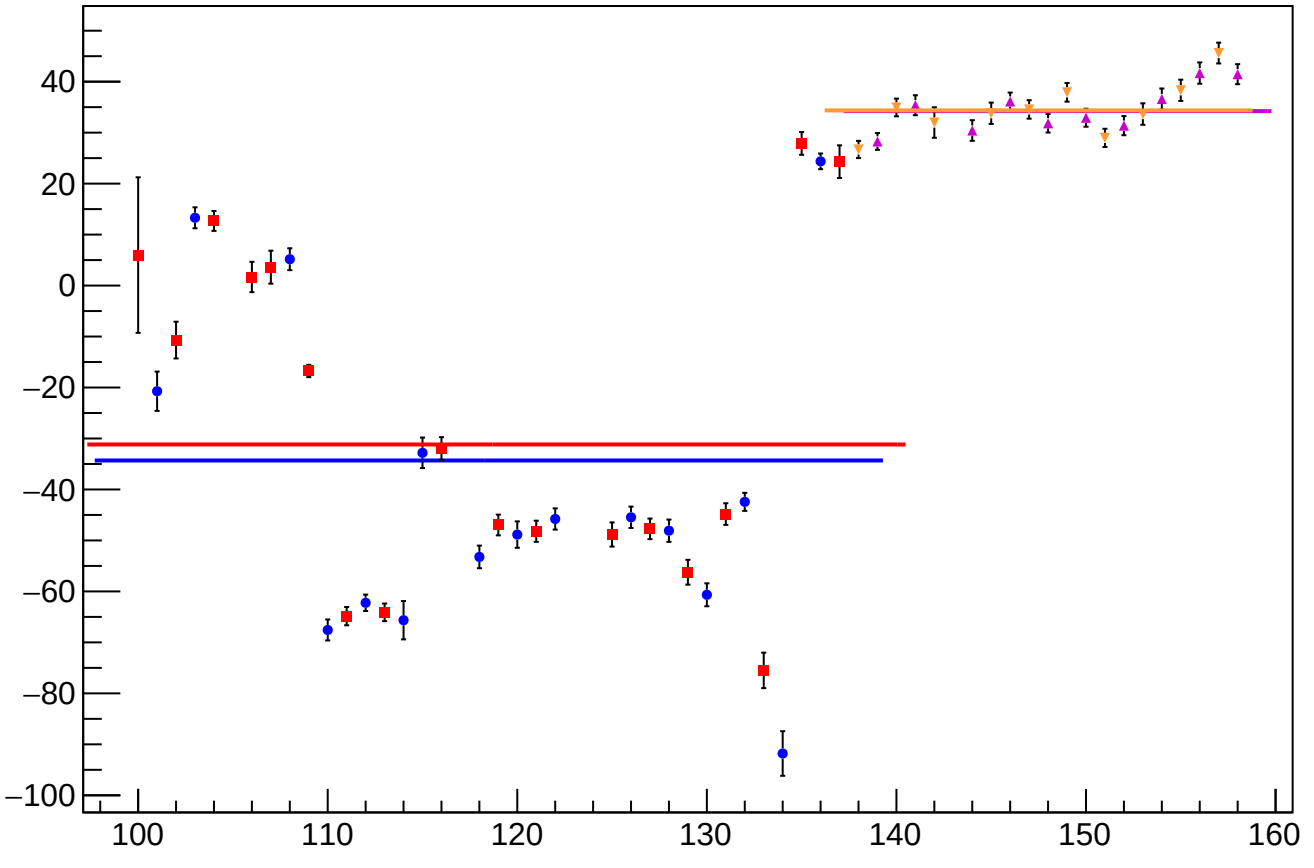
Left: -19.132+/-0.024 χ^2/NDF: 30756.7/19

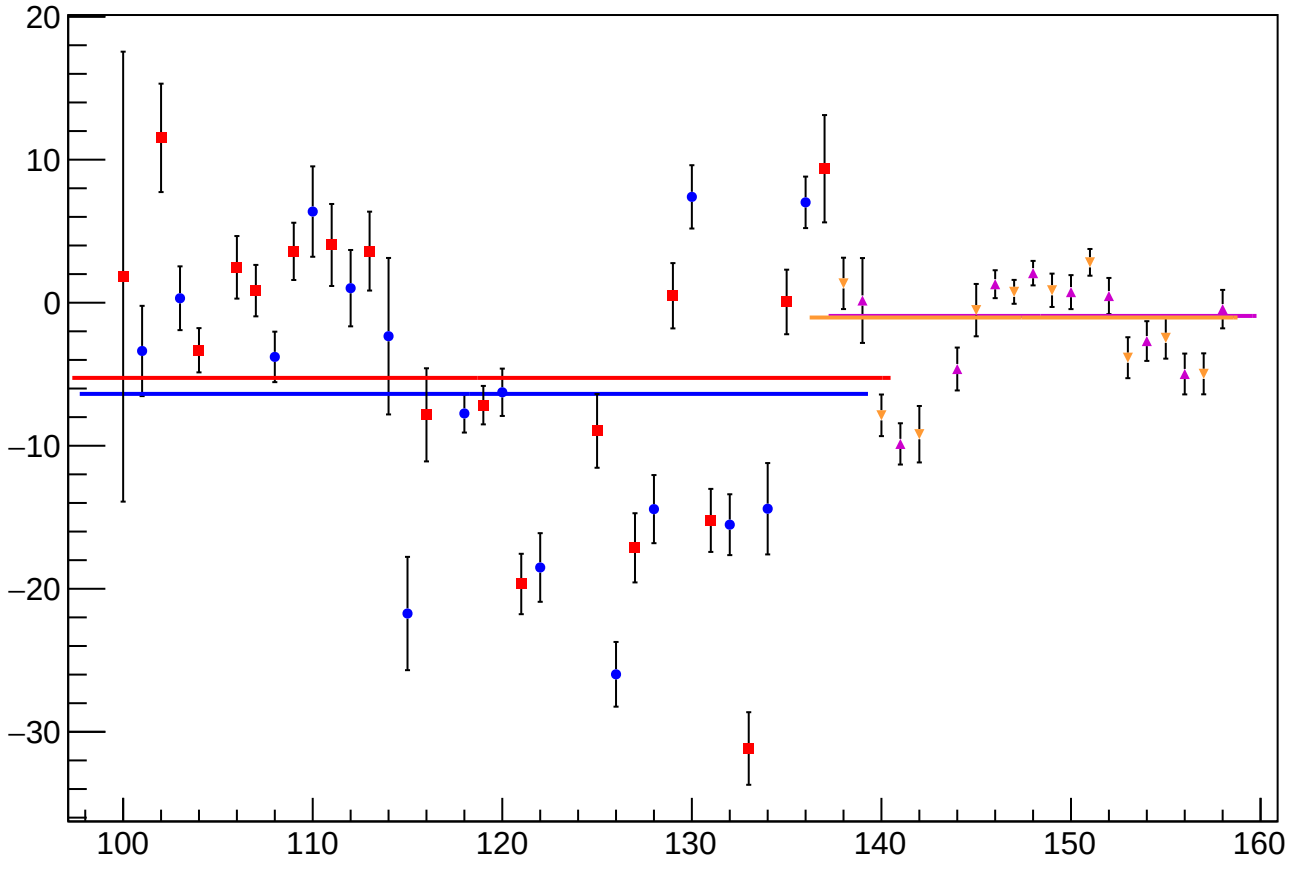
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -12.556+/-0.029 χ^2/NDF:352723.0/25

Out: -13.314+/-0.031 χ^2/NDF:288756.5/27

All: -12.916+/-0.021 χ^2/NDF: 641793.9/53


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: -34.315+/-0.548 χ²/NDF: 3500.2/15
Left Out: 34.365+/-0.616 χ²/NDF:68.4/9
Right Out: -31.175+/-0.516 χ²/NDF: 3200.4/17
Left In: 34.222+/-0.594 χ²/NDF:50.3/9
Left: 34.290+/-0.428 χ²/NDF: 118.7/19
Right: -32.651+/-0.375 χ²/NDF: 6718.0/33
In: -2.807+/-0.403 χ²/NDF:10747.3/25
Out: -4.171+/-0.395 χ²/NDF:9922.7/27
All: -3.501+/-0.282 χ²/NDF: 20675.9/53



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.035+/-0.405 χ^2/NDF:77.7/9

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -0.924+/-0.397 χ^2/NDF:75.1/9

Left: -0.979+/-0.283 χ^2/NDF: 152.9/19

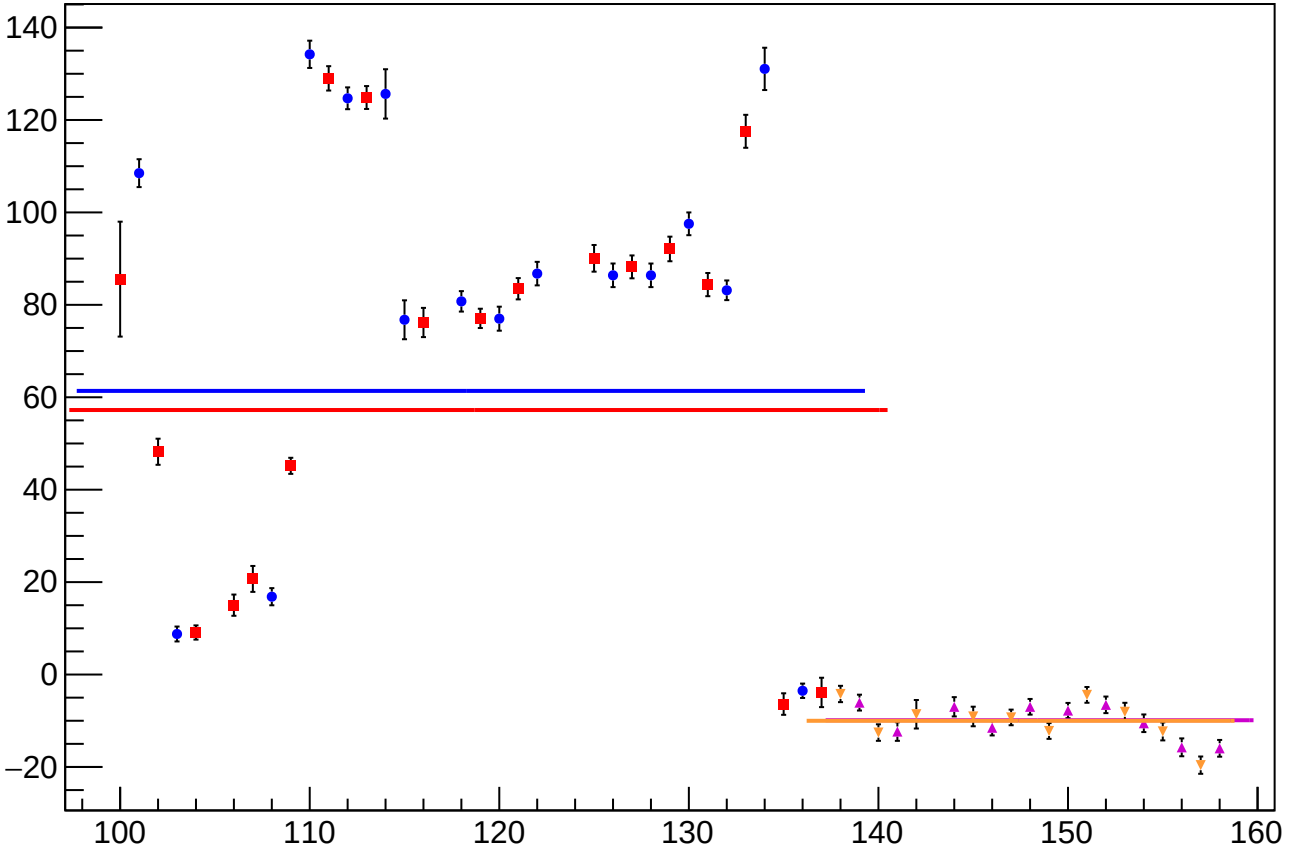
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.774+/-0.322 χ^2/NDF:422.7/25

Out: -2.581+/-0.322 χ^2/NDF:430.5/27

All: -2.678+/-0.228 χ^2/NDF: 853.4/53

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: -10.008+/-0.596 χ^2/NDF:54.6/9

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.888+/-0.573 χ^2/NDF:37.9/9

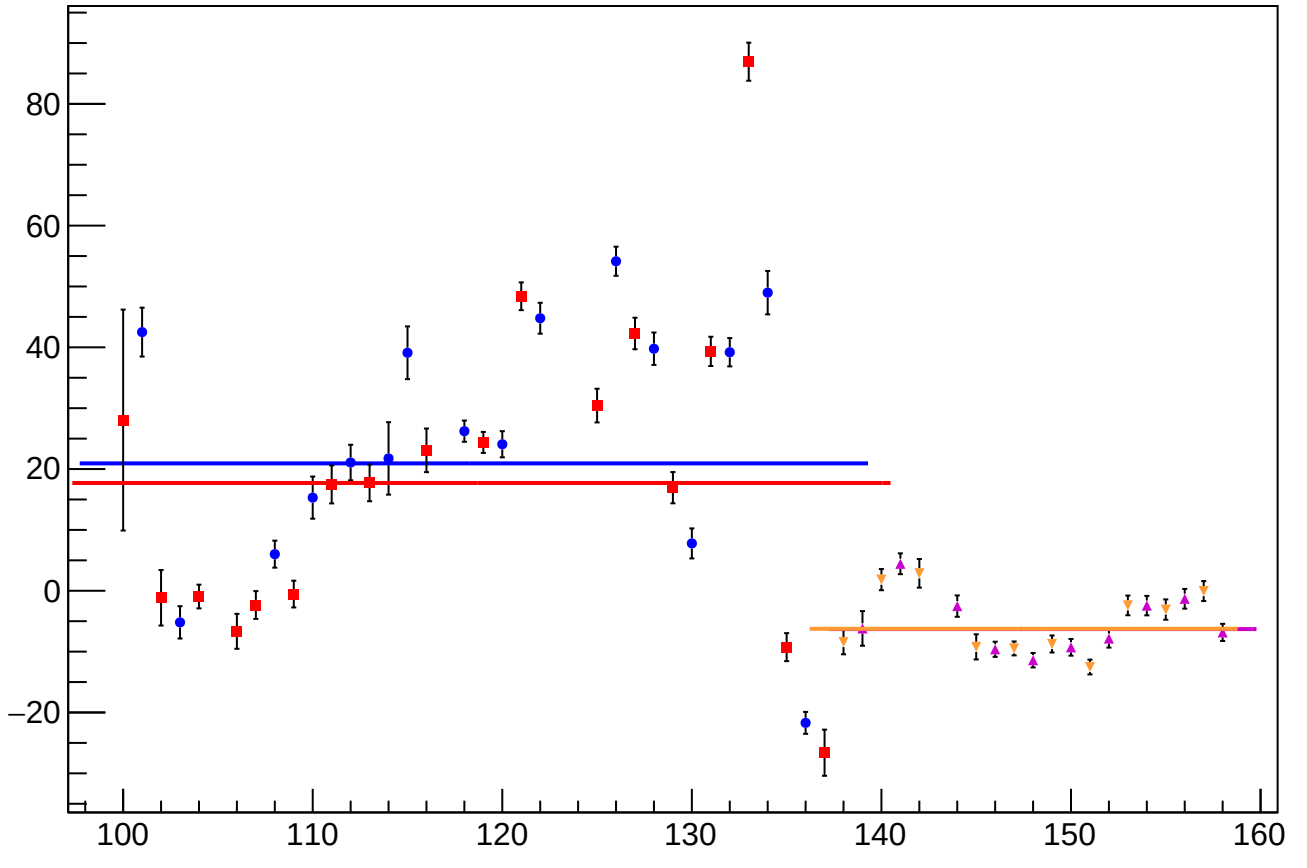
Left: -9.946+/-0.413 χ^2/NDF: 92.5/19

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

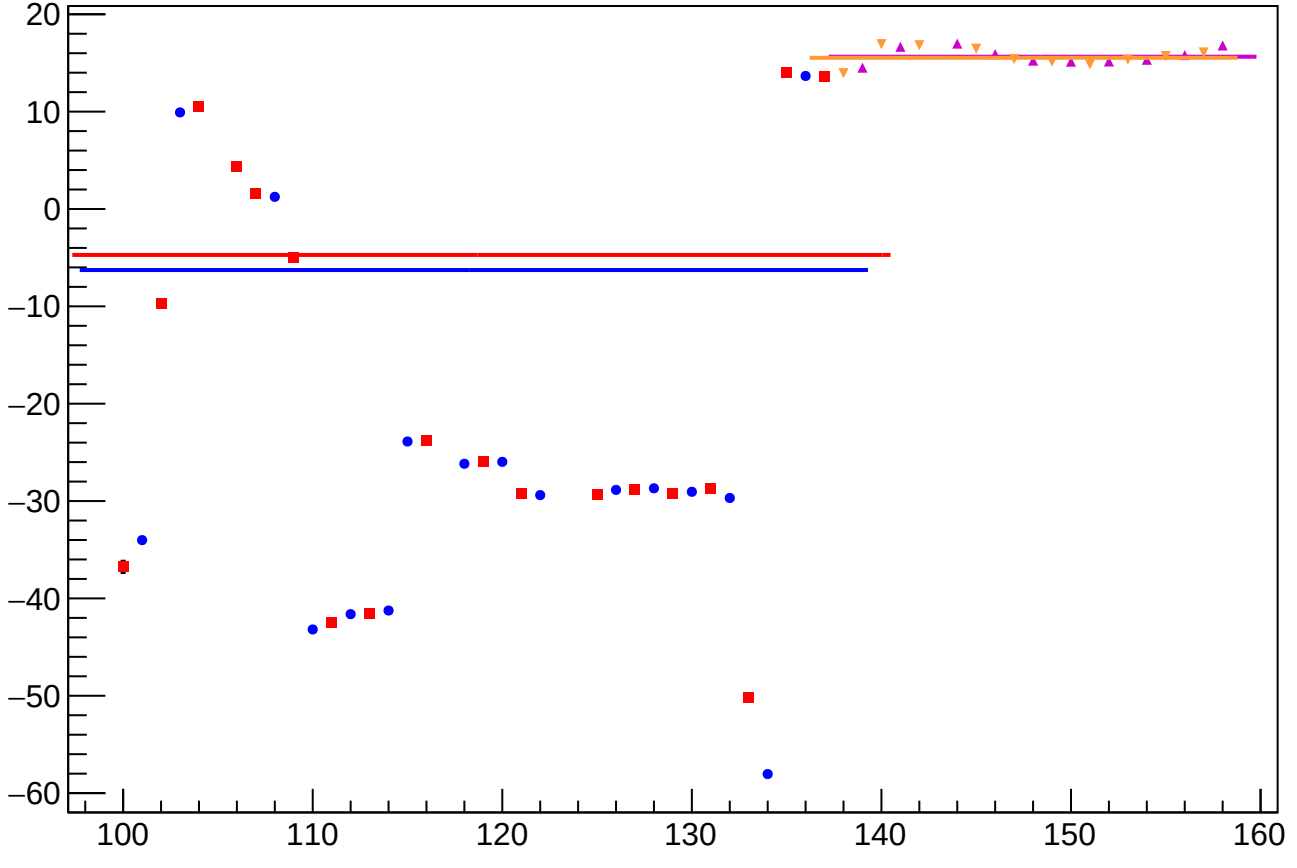
In: 24.415+/-0.412 χ^2/NDF:13562.5/25

Out: 24.535+/-0.416 χ^2/NDF:11855.6/27

All: 24.475+/-0.293 χ^2/NDF: 25418.1/53


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 20.931+/-0.640 χ²/NDF: 1245.4/15
Left Out: -6.248+/-0.496 χ²/NDF:101.3/9
Right Out: 17.711+/-0.618 χ²/NDF: 1481.9/17
Left In: -6.297+/-0.477 χ²/NDF:90.8/9
Left: -6.274+/-0.344 χ²/NDF: 192.1/19
Right: 19.265+/-0.445 χ²/NDF: 2740.4/33
In: 3.420+/-0.382 χ²/NDF:2499.7/25
Out: 3.146+/-0.387 χ²/NDF:2496.6/27
All: 3.285+/-0.272 χ²/NDF: 4996.6/53

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.529+/-0.023 χ^2/NDF:1298.3/9

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.641+/-0.022 χ^2/NDF:1231.5/9

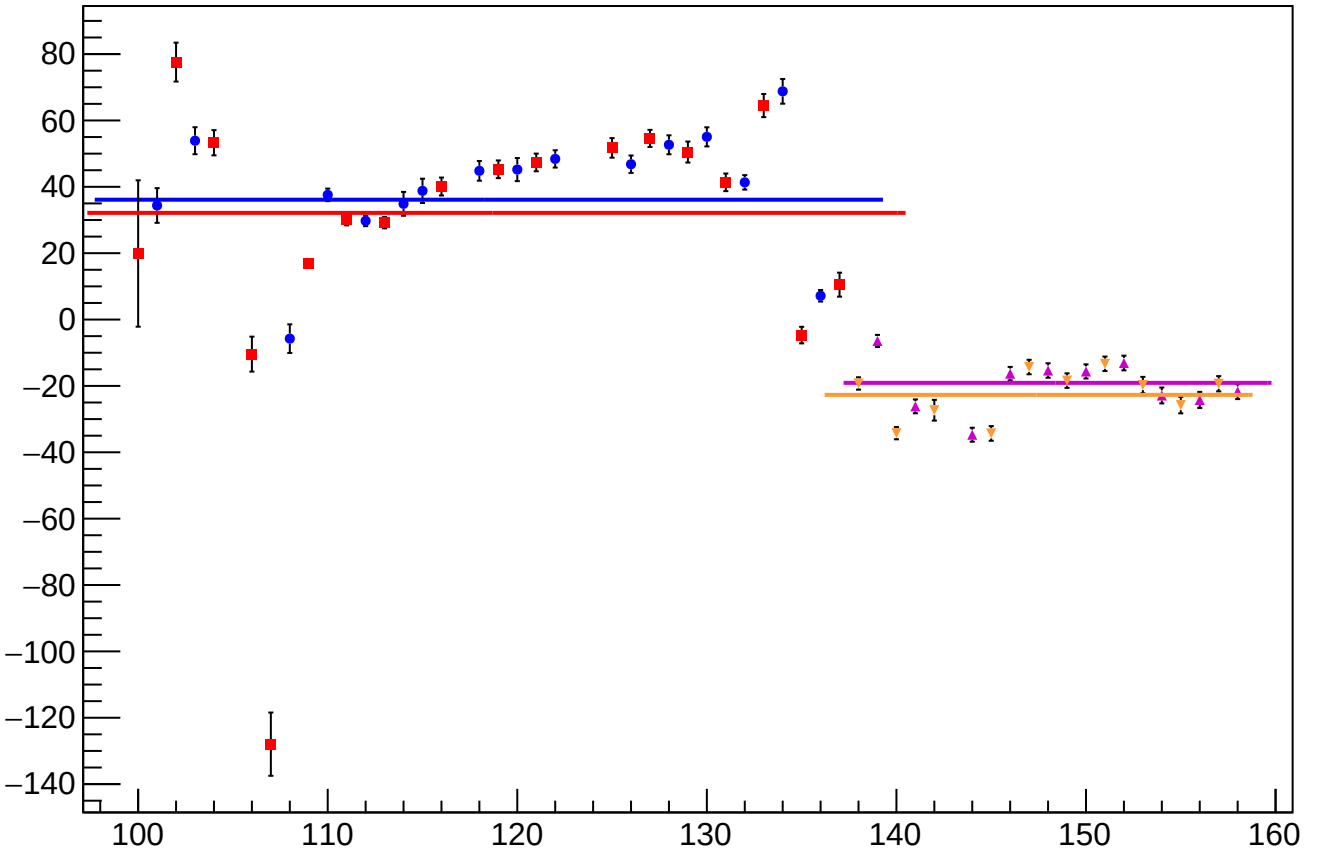
Left: 15.588+/-0.016 χ^2/NDF: 2542.5/19

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 9.219+/-0.018 χ^2/NDF:715646.5/25

Out: 9.121+/-0.019 χ^2/NDF:554907.5/27

All: 9.172+/-0.013 χ^2/NDF: 1270567.8/53



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.693+/-0.702 χ^2/NDF:114.2/9

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -19.077+/-0.680 χ^2/NDF:137.0/9

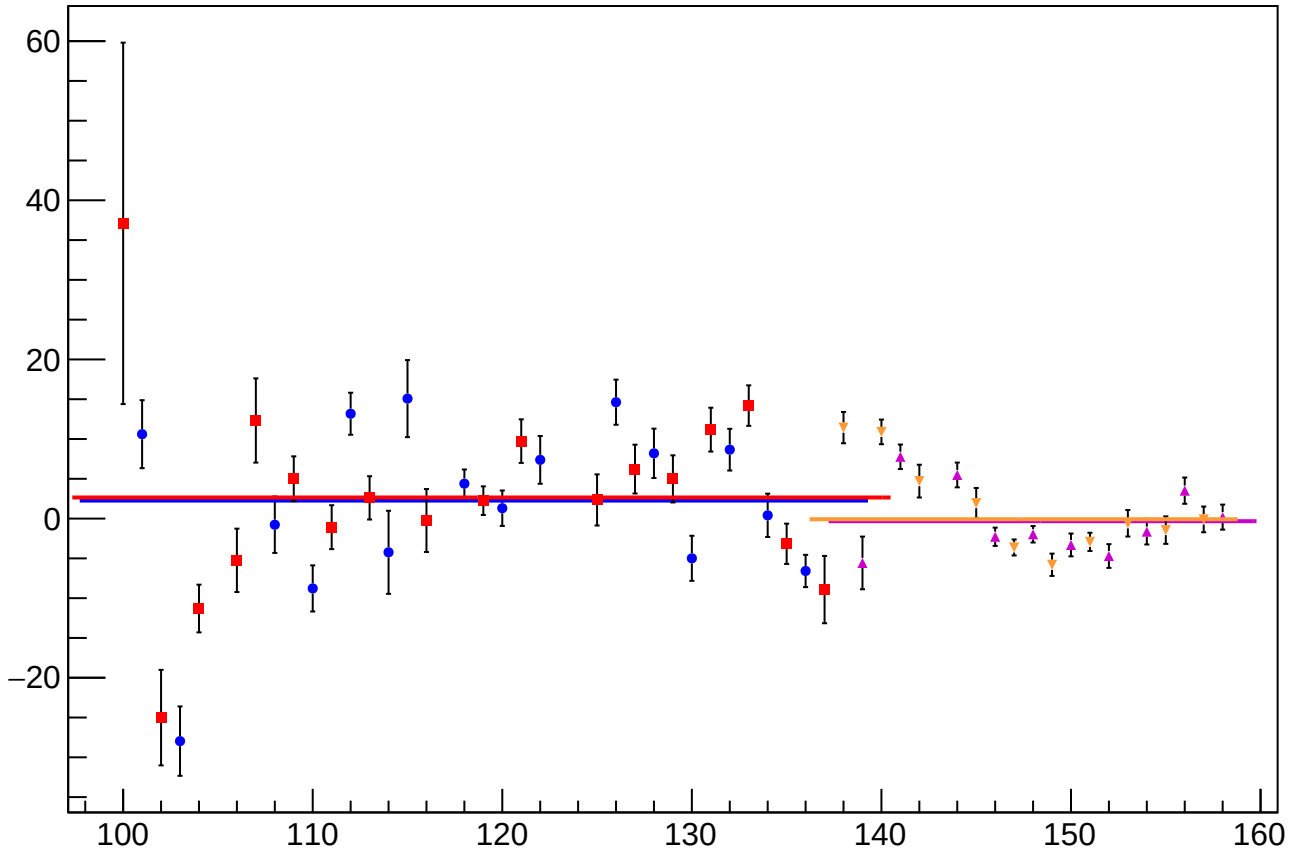
Left: -20.828+/-0.488 χ^2/NDF: 264.9/19

Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 9.496+/-0.472 χ^2/NDF:4170.0/25

Out: 7.650+/-0.469 χ^2/NDF:4607.6/27

All: 8.567+/-0.333 χ^2/NDF: 8785.3/53



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: -0.082+/-0.470 χ^2/NDF:127.0/9

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.328+/-0.461 χ^2/NDF:68.7/9

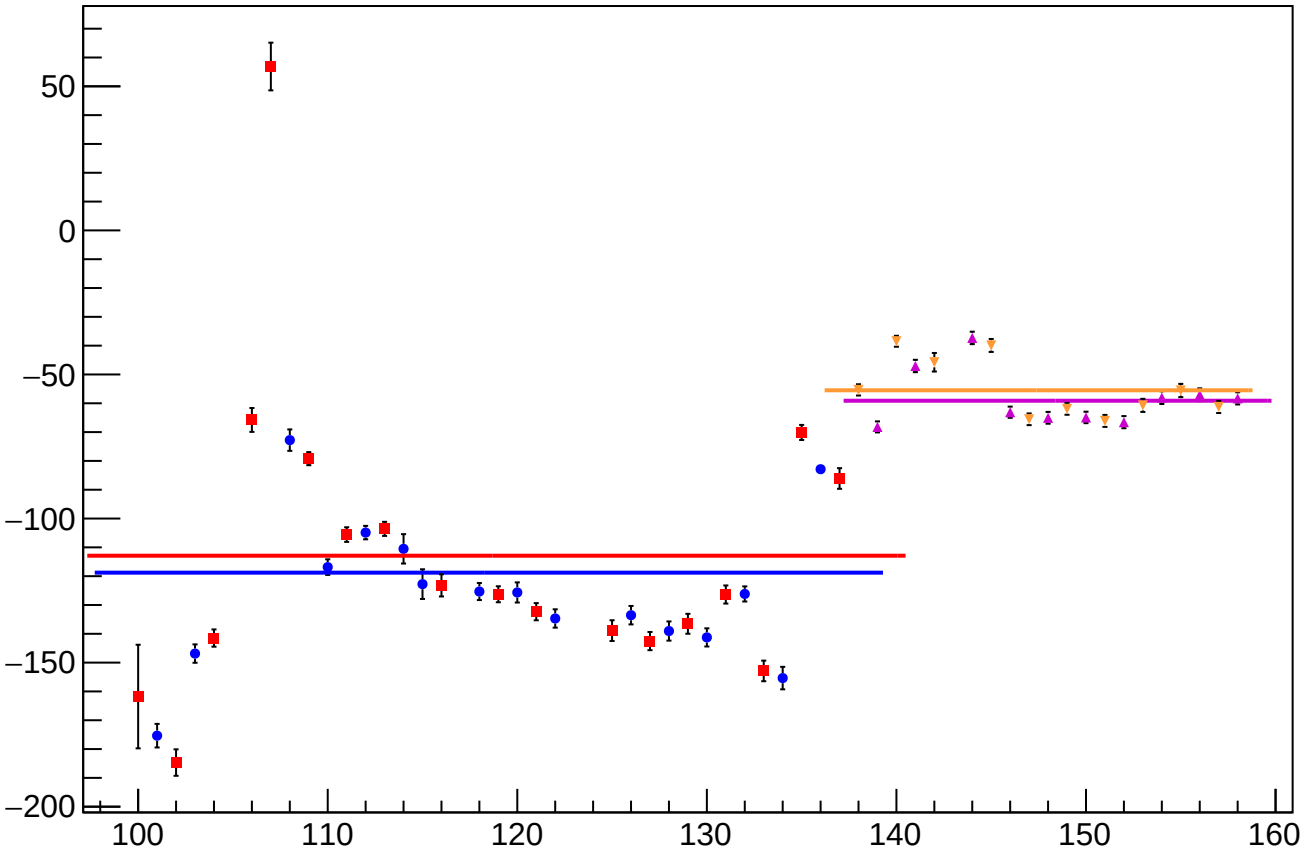
Left: -0.207+/-0.329 χ^2/NDF: 195.8/19

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.453+/-0.385 χ^2/NDF:230.3/25

Out: 0.743+/-0.393 χ^2/NDF:244.4/27

All: 0.595+/-0.275 χ^2/NDF: 475.0/53



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -55.489+/-0.682 χ^2/NDF:209.8/9

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.116+/-0.658 χ^2/NDF:190.2/9

Left: -57.368+/-0.474 χ^2/NDF: 414.7/19

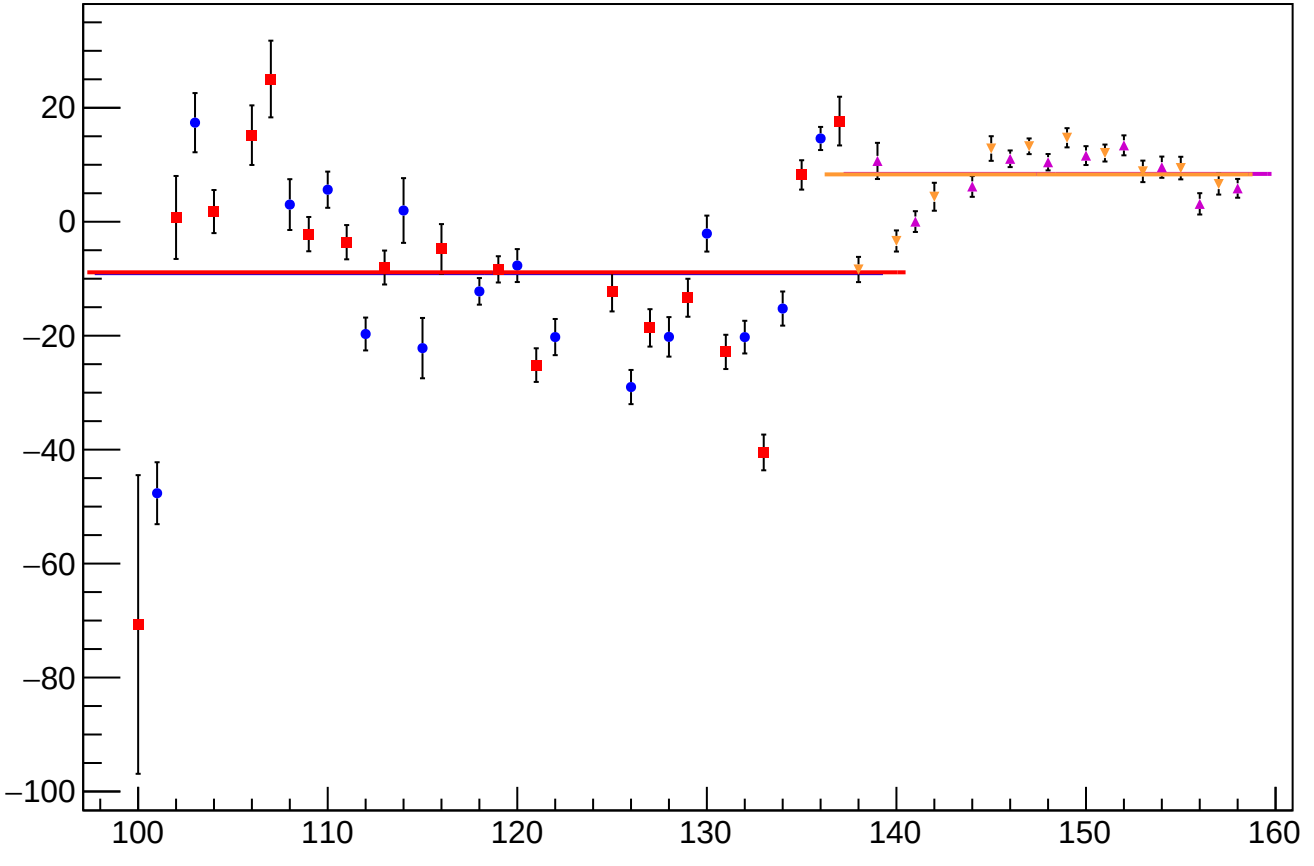
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -84.802+/-0.497 χ^2/NDF:4848.7/25

Out: -81.078+/-0.508 χ^2/NDF:5227.6/27

All: -82.982+/-0.355 χ^2/NDF: 10103.8/53

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: 8.312+/-0.574 χ^2/NDF:138.6/9

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.397+/-0.552 χ^2/NDF:50.9/9

Left: 8.356+/-0.398 χ^2/NDF: 189.5/19

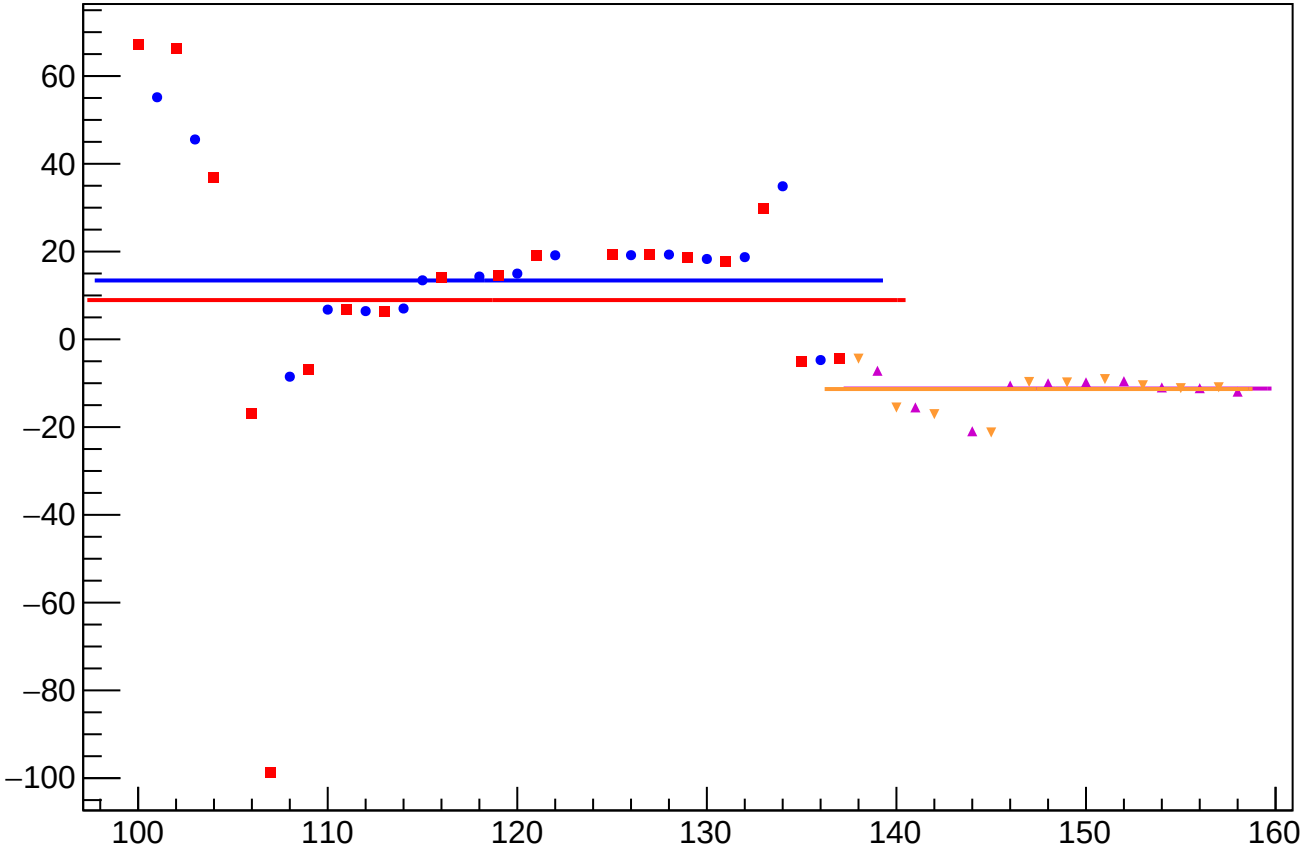
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.740+/-0.453 χ^2/NDF:732.6/25

Out: 2.569+/-0.468 χ^2/NDF:756.9/27

All: 2.657+/-0.326 χ^2/NDF: 1489.5/53

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.329+/-0.026 χ^2/NDF:26510.9/9

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.220+/-0.025 χ^2/NDF:17212.5/9

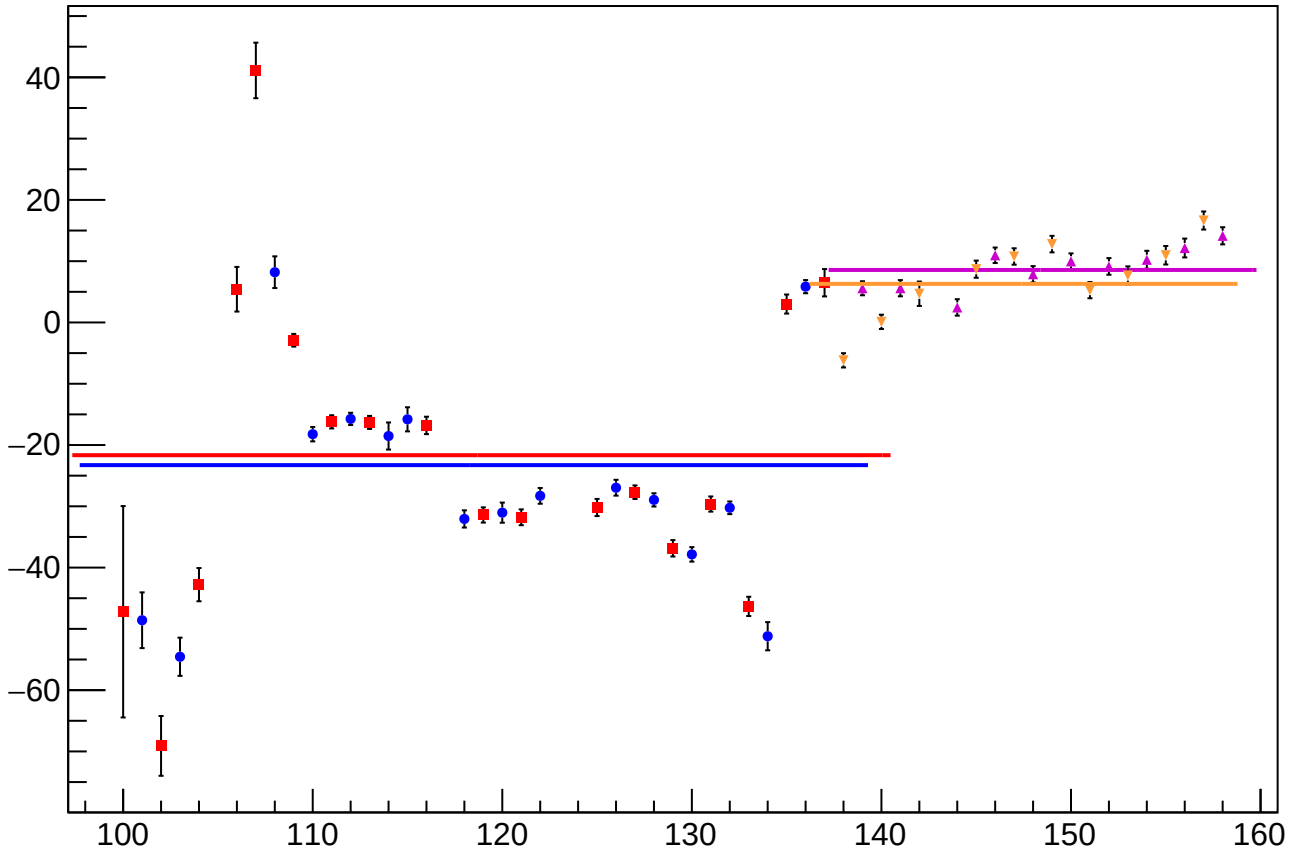
Left: -11.271+/-0.018 χ^2/NDF: 43732.6/19

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -5.541+/-0.022 χ^2/NDF:428594.4/25

Out: -6.566+/-0.023 χ^2/NDF:457577.3/27

All: -6.025+/-0.016 χ^2/NDF: 887222.2/53



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 6.298+/-0.436 χ^2/NDF:240.6/9

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 8.570+/-0.422 χ^2/NDF:60.4/9

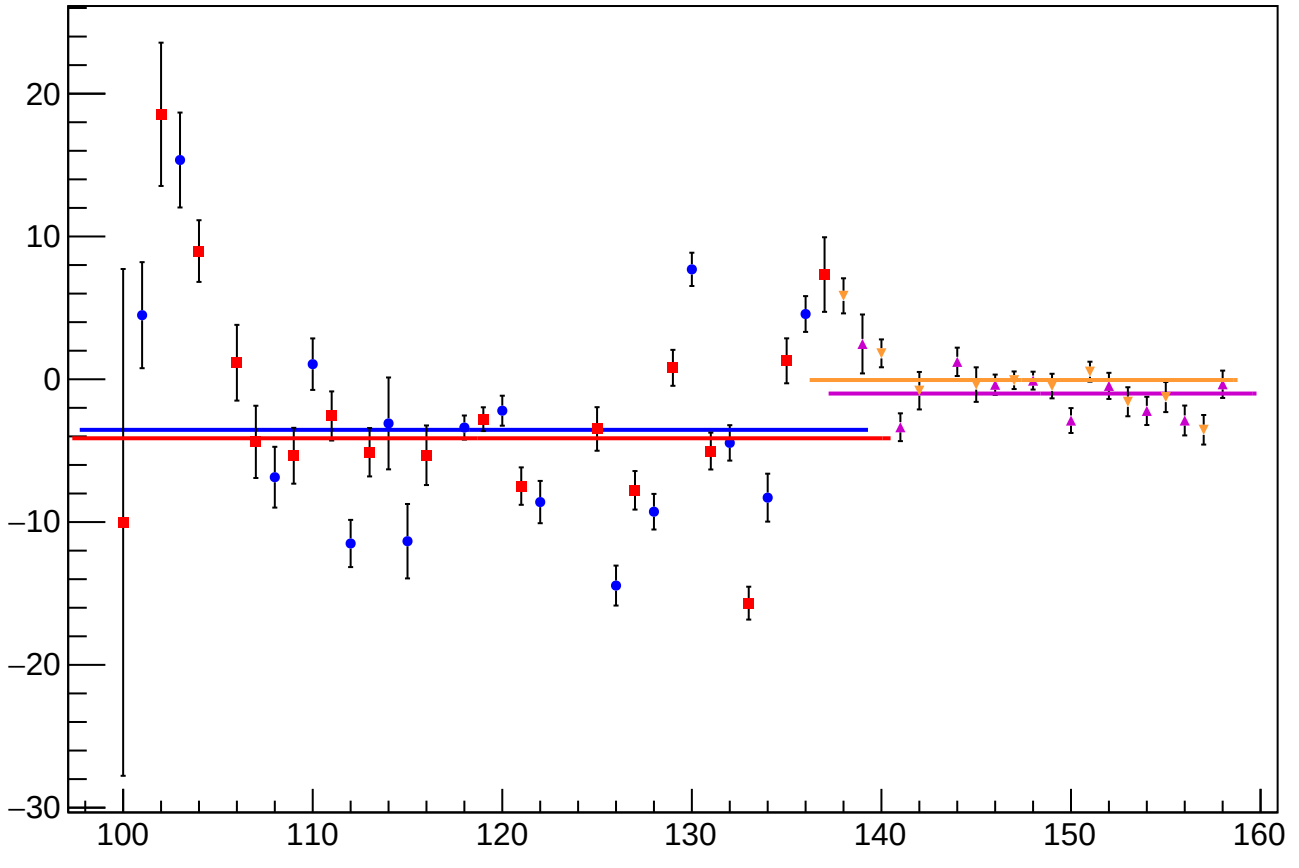
Left: 7.473+/-0.303 χ^2/NDF: 315.0/19

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -10.273+/-0.270 χ^2/NDF:5002.9/25

Out: -10.816+/-0.272 χ^2/NDF:4567.3/27

All: -10.542+/-0.191 χ^2/NDF: 9572.2/53



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: -0.052+/-0.291 χ^2/NDF:42.9/9

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.999+/-0.284 χ^2/NDF:26.8/9

Left: -0.537+/-0.203 χ^2/NDF: 75.1/19

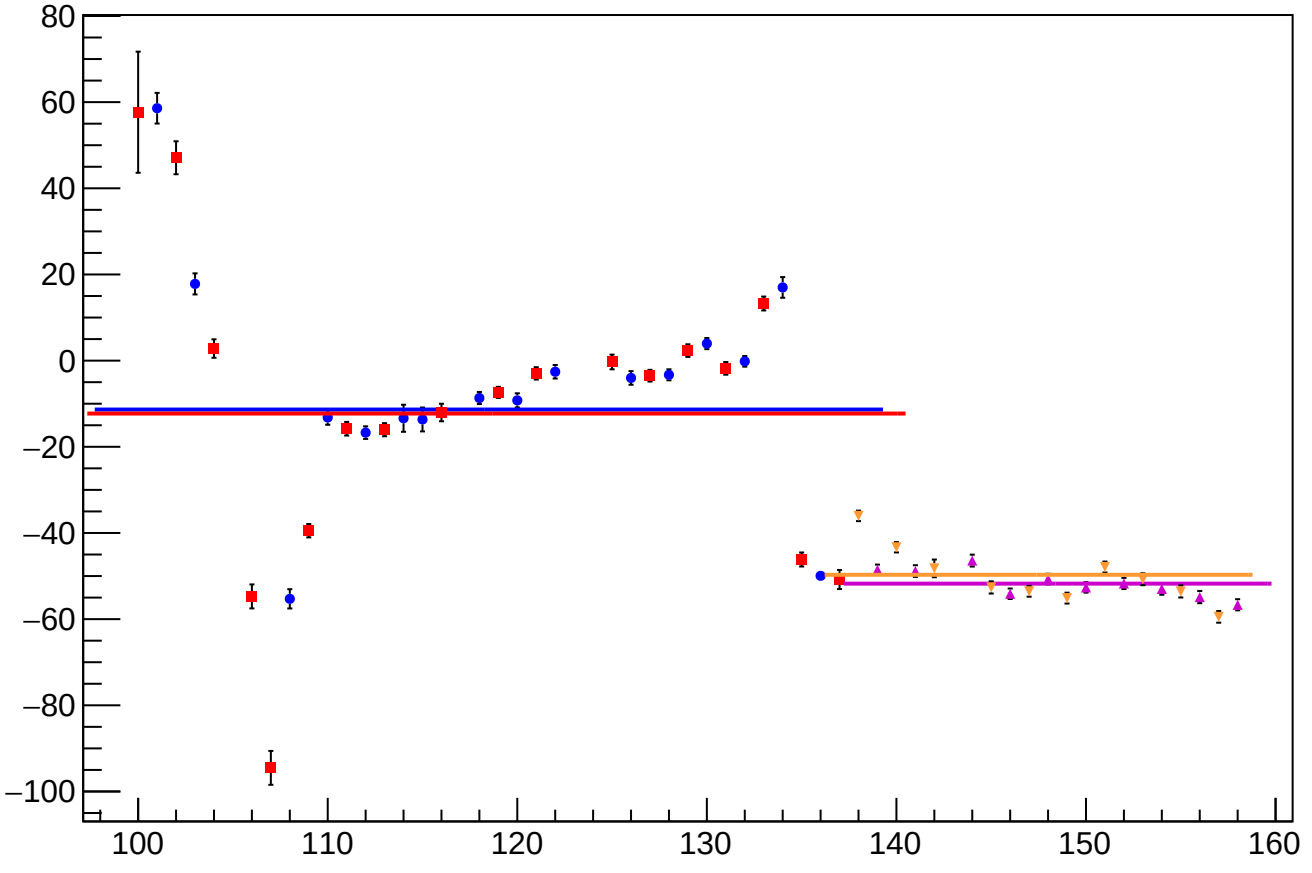
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.967+/-0.224 χ^2/NDF:374.0/25

Out: -1.607+/-0.229 χ^2/NDF:345.3/27

All: -1.791+/-0.160 χ^2/NDF: 720.6/53

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: -49.709+/-0.424 χ^2/NDF:249.2/9

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -51.758+/-0.408 χ^2/NDF:52.0/9

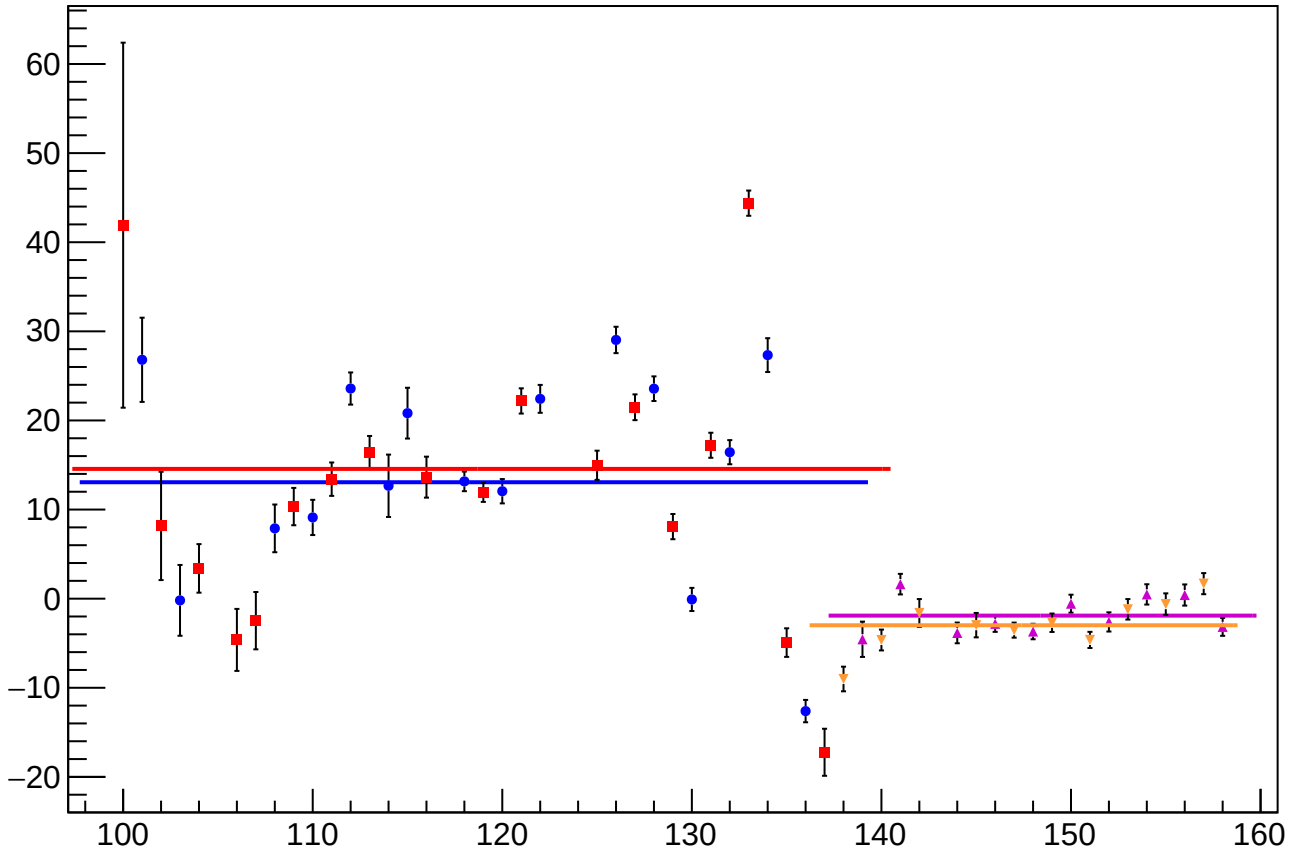
Left: -50.773+/-0.294 χ^2/NDF: 313.3/19

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -31.460+/-0.288 χ^2/NDF:7649.3/25

Out: -30.517+/-0.296 χ^2/NDF:6838.1/27

All: -31.002+/-0.206 χ^2/NDF: 14492.7/53



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.984+/-0.355 χ^2/NDF:47.4/9

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.902+/-0.341 χ^2/NDF:31.1/9

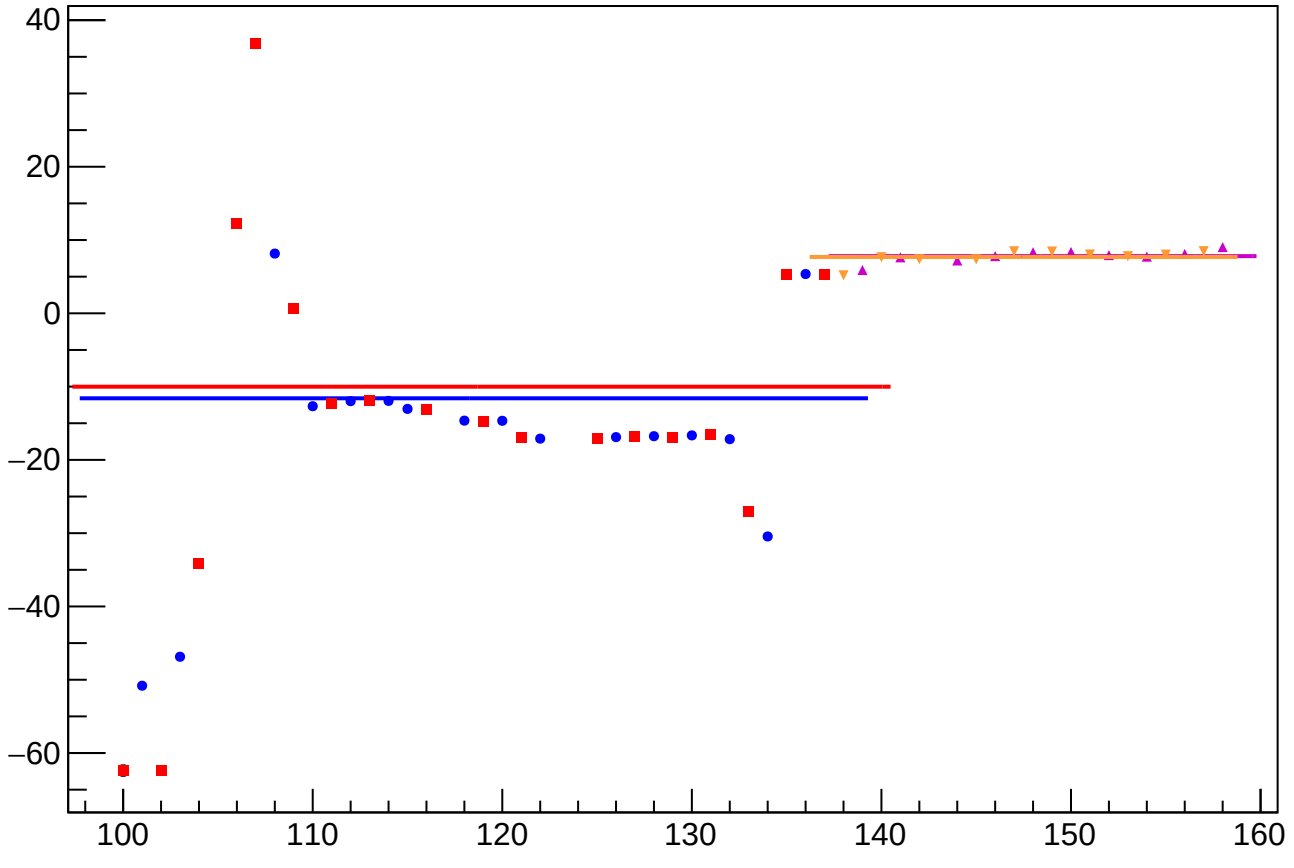
Left: -2.420+/-0.246 χ^2/NDF: 83.4/19

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 4.135+/-0.263 χ^2/NDF:1671.7/25

Out: 4.289+/-0.272 χ^2/NDF:1960.5/27

All: 4.209+/-0.189 χ^2/NDF: 3632.4/53



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.691+/-0.016 χ^2/NDF:3575.2/9

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.802+/-0.015 χ^2/NDF:3126.4/9

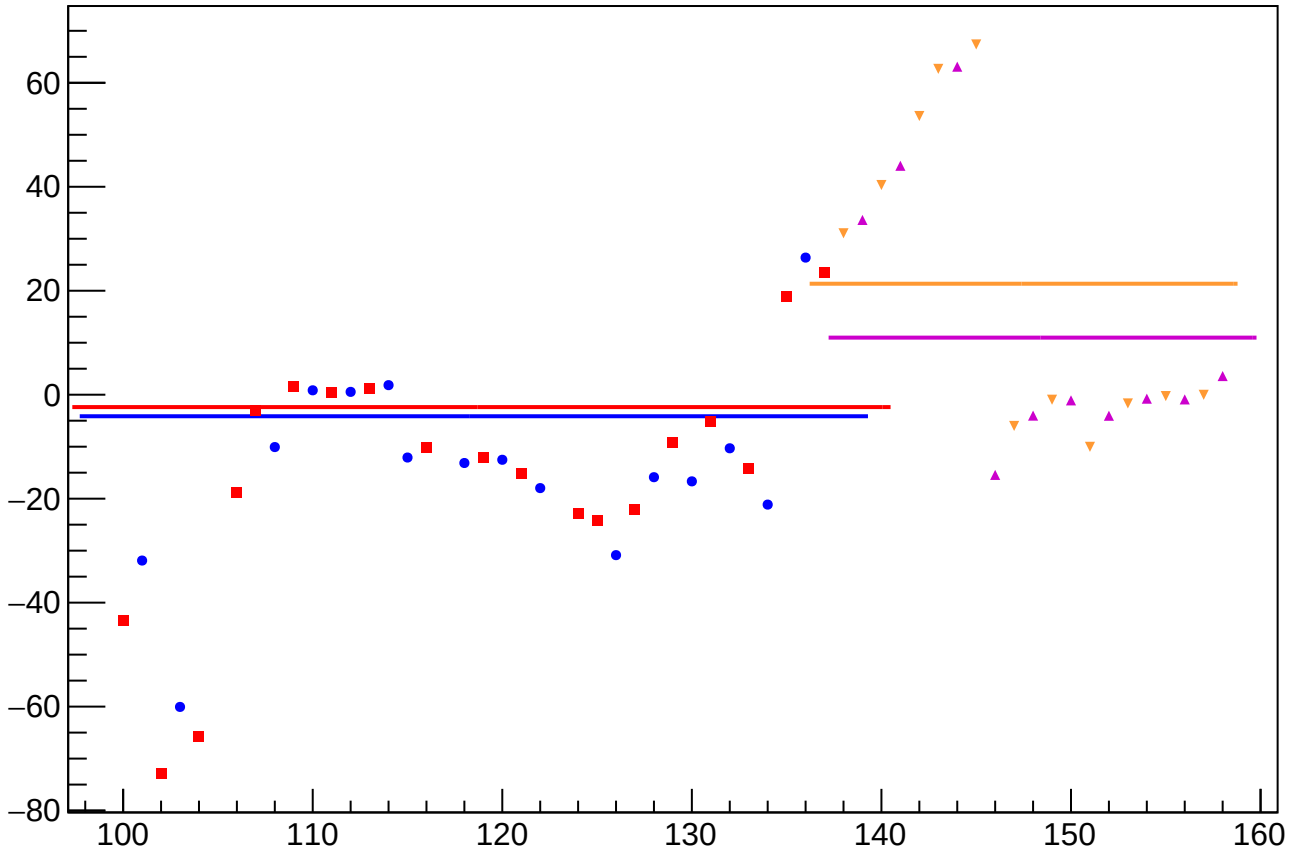
Left: 7.750+/-0.011 χ^2/NDF: 6726.3/19

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 2.876+/-0.013 χ^2/NDF:769194.0/25

Out: 3.065+/-0.014 χ^2/NDF:707190.6/27

All: 2.965+/-0.010 χ^2/NDF: 1476480.5/53



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 21.348+/-0.081 χ^2/NDF:99128.1/10

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 10.980+/-0.069 χ^2/NDF:98833.6/9

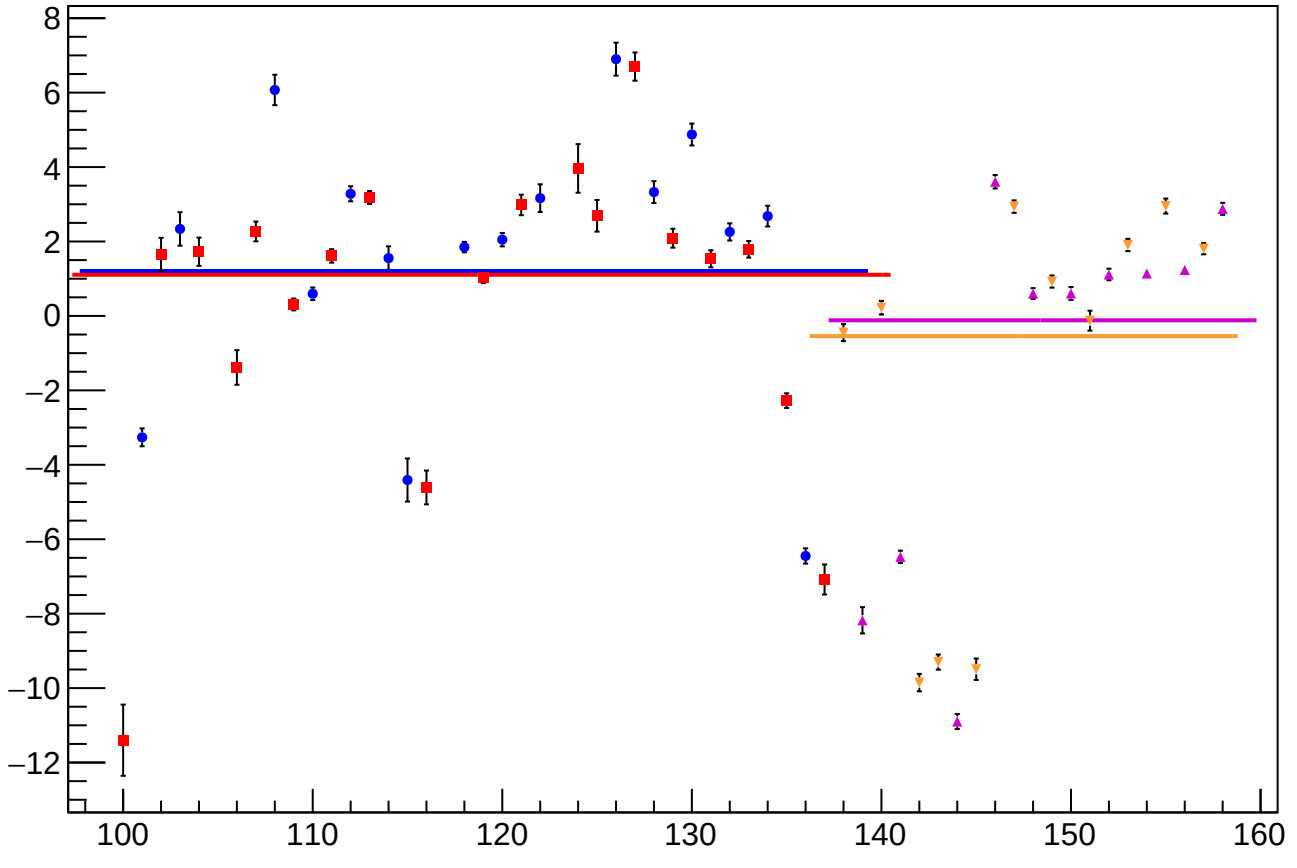
Left: 15.332+/-0.053 χ^2/NDF: 207429.7/20

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 1.685+/-0.043 χ^2/NDF:203590.5/25

Out: 3.412+/-0.040 χ^2/NDF:244477.5/29

All: 2.606+/-0.029 χ^2/NDF: 448933.4/55



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.542+/-0.058 χ^2/NDF:5687.1/10

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -0.118+/-0.048 χ^2/NDF:6024.7/9

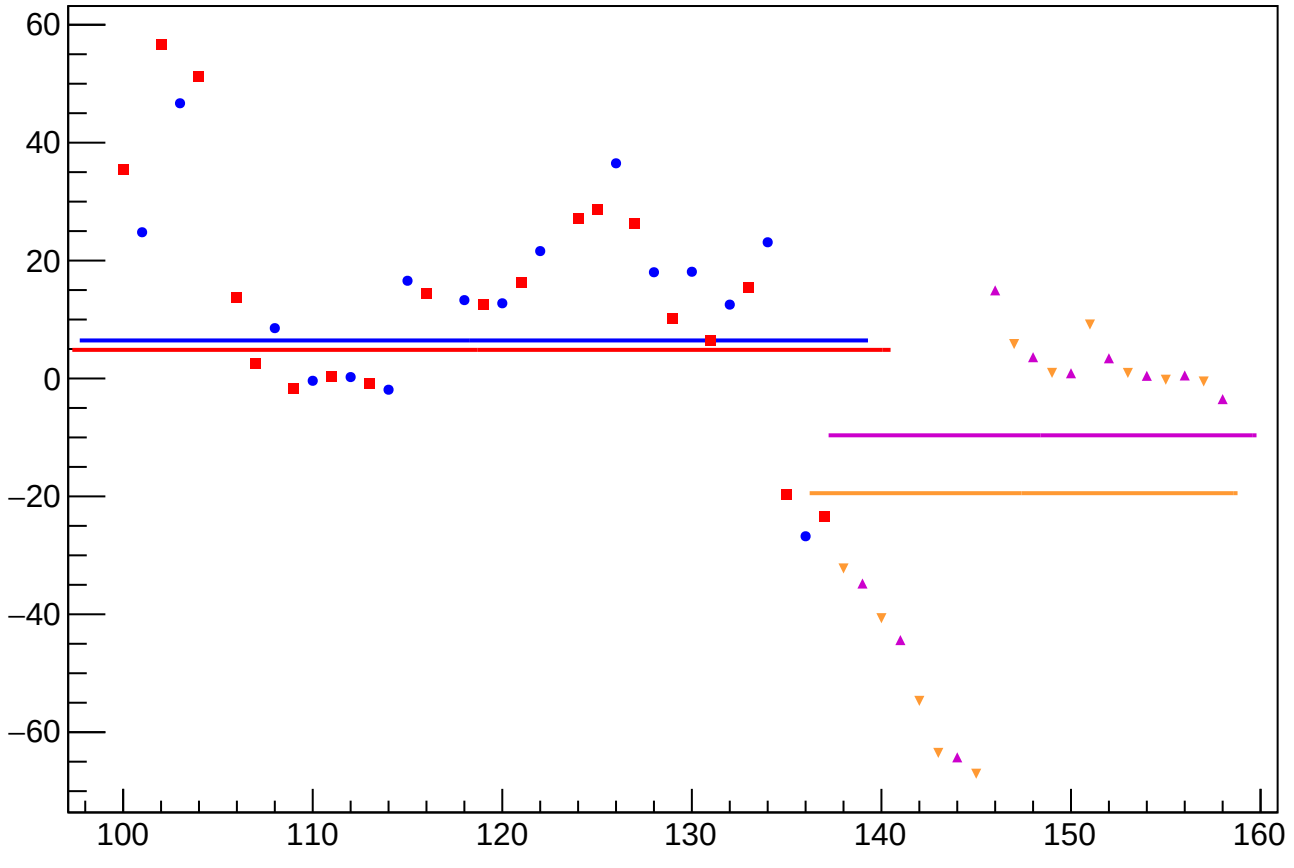
Left: -0.290+/-0.037 χ^2/NDF: 11743.4/20

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.395+/-0.038 χ^2/NDF:8903.2/25

Out: 0.296+/-0.041 χ^2/NDF:7682.1/29

All: 0.349+/-0.028 χ^2/NDF: 16588.6/55



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -19.457+/-0.079 χ^2/NDF:102076.4/10

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -9.640+/-0.066 χ^2/NDF:99877.0/9

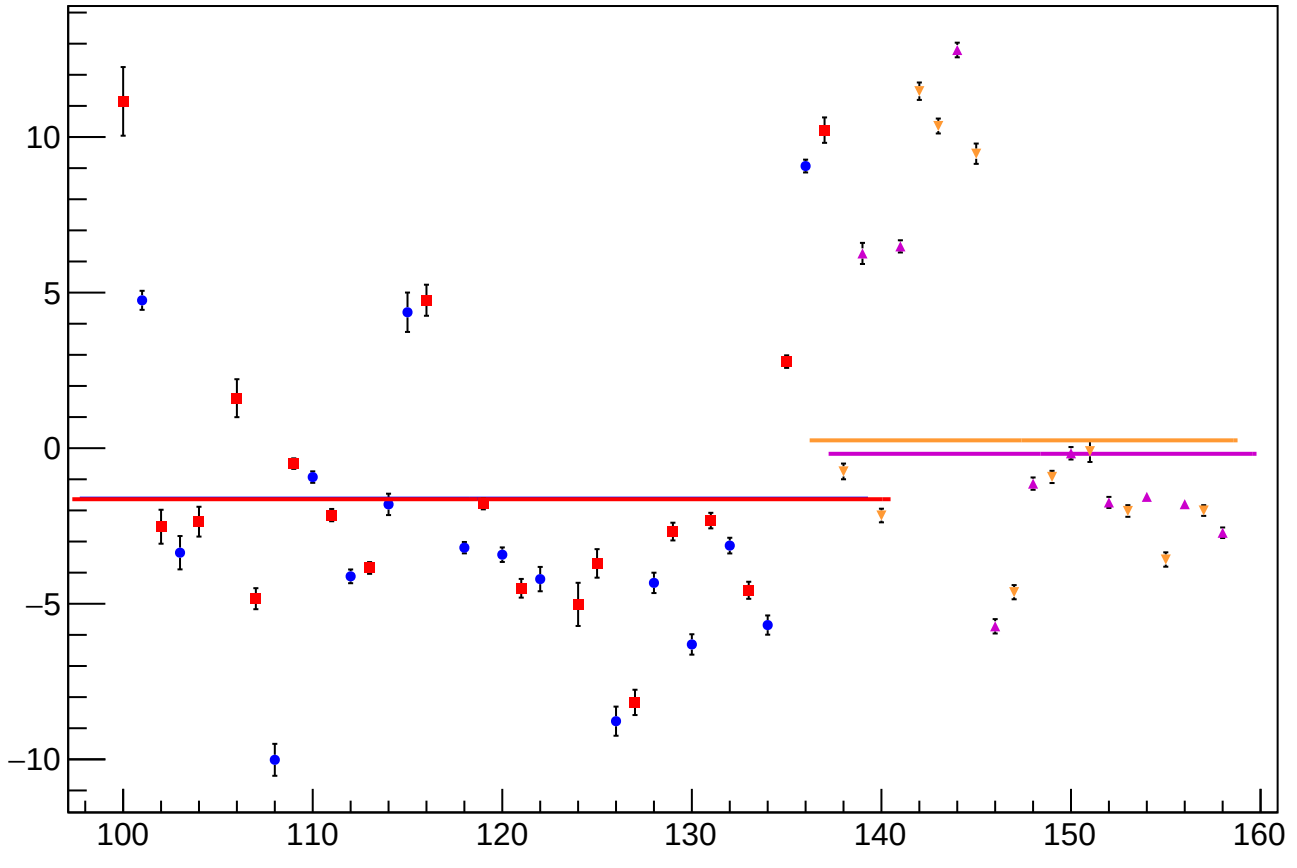
Left: -13.662+/-0.051 χ^2/NDF: 211030.4/20

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -1.503+/-0.046 χ^2/NDF:200655.1/25

Out: -3.857+/-0.047 χ^2/NDF:237862.5/29

All: -2.655+/-0.033 χ^2/NDF: 439778.9/55



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 0.252+/-0.069 χ^2/NDF:5404.0/10

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.181+/-0.056 χ^2/NDF:5746.9/9

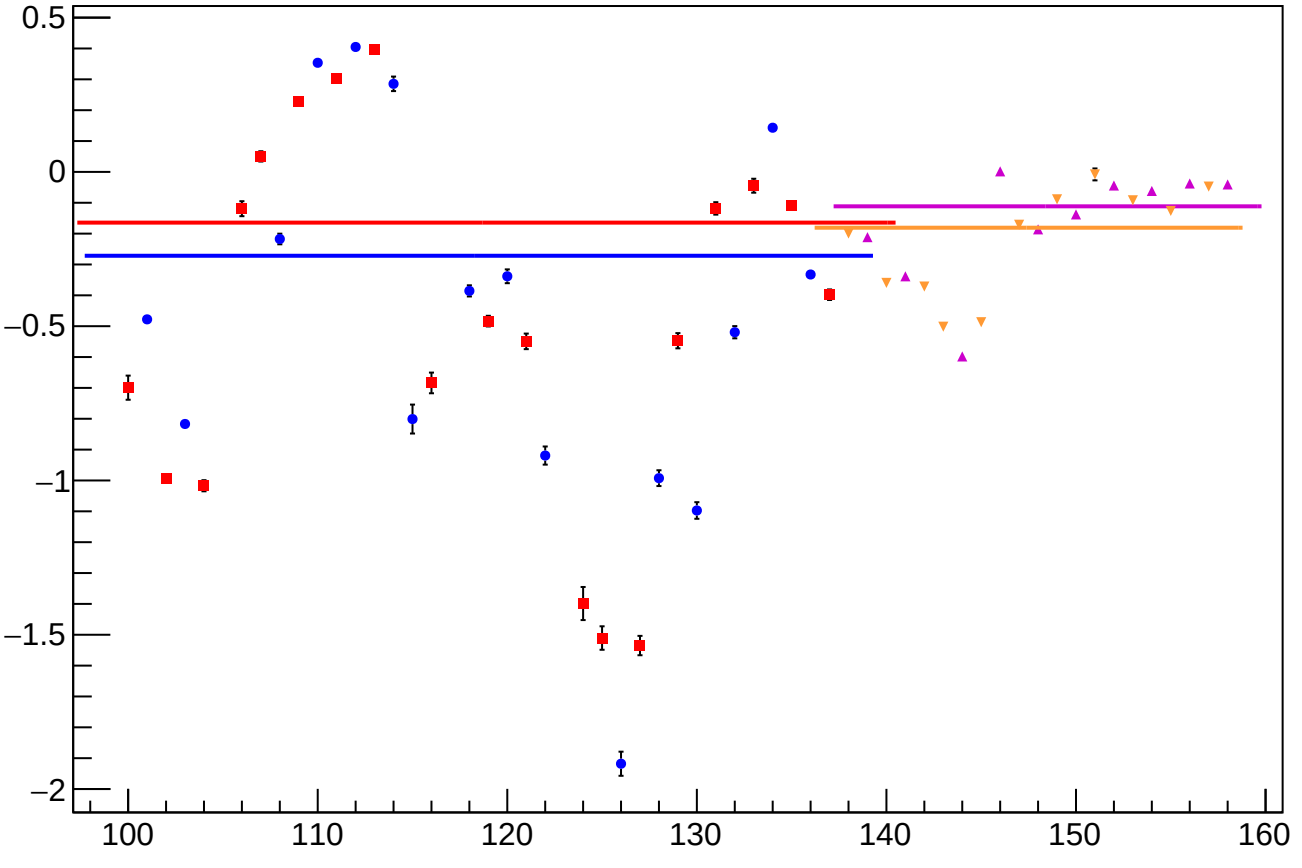
Left: -0.009+/-0.043 χ^2/NDF: 11174.6/20

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.746+/-0.044 χ^2/NDF:10532.8/25

Out: -0.756+/-0.047 χ^2/NDF:8267.4/29

All: -0.751+/-0.032 χ^2/NDF: 18800.3/55



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.181+/-0.003 χ^2/NDF:2490.5/10

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.112+/-0.002 χ^2/NDF:2908.3/9

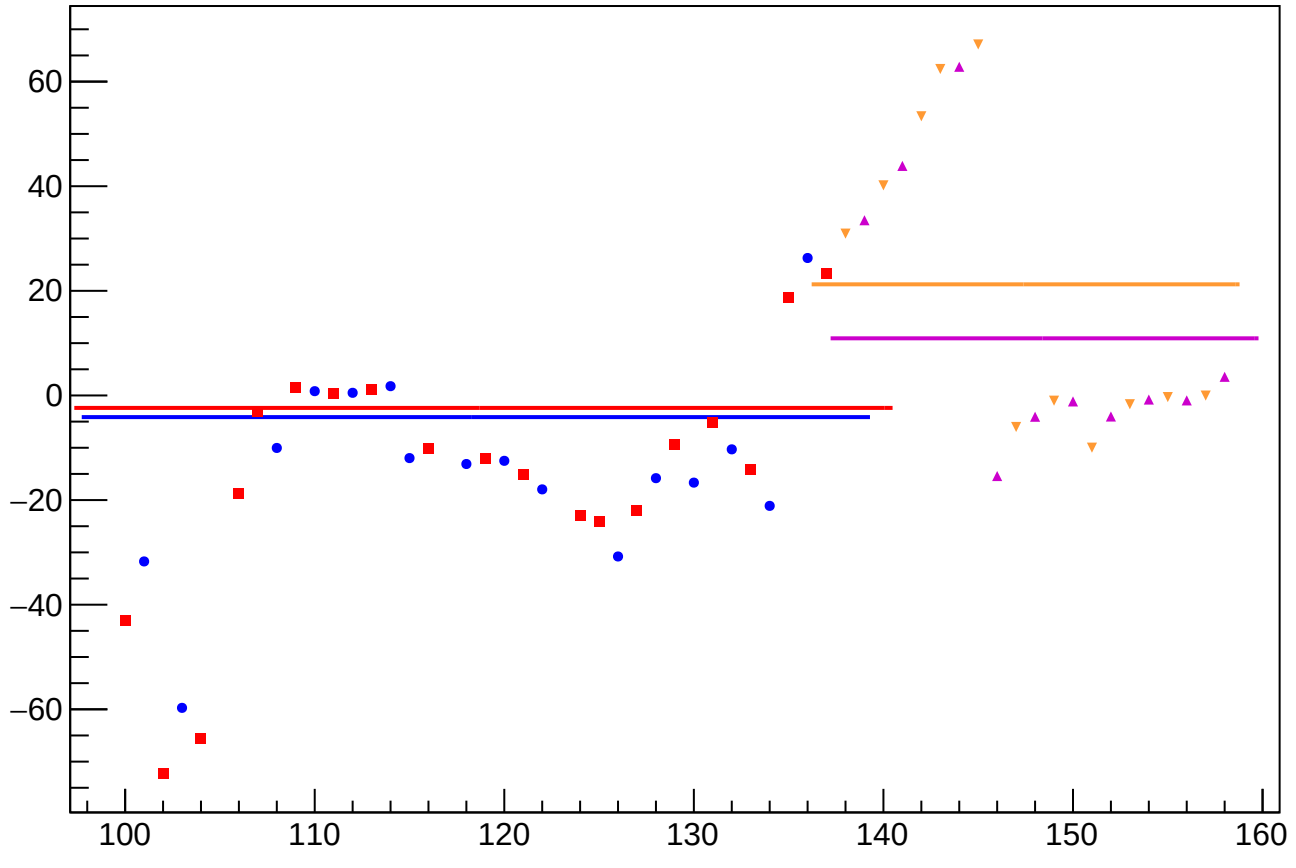
Left: -0.138+/-0.002 χ^2/NDF: 5733.7/20

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.150+/-0.002 χ^2/NDF:16084.0/25

Out: -0.175+/-0.002 χ^2/NDF:17999.2/29

All: -0.161+/-0.002 χ^2/NDF: 34144.5/55



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 21.244+/-0.081 χ^2/NDF:99051.0/10

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 10.922+/-0.069 χ^2/NDF:98792.6/9

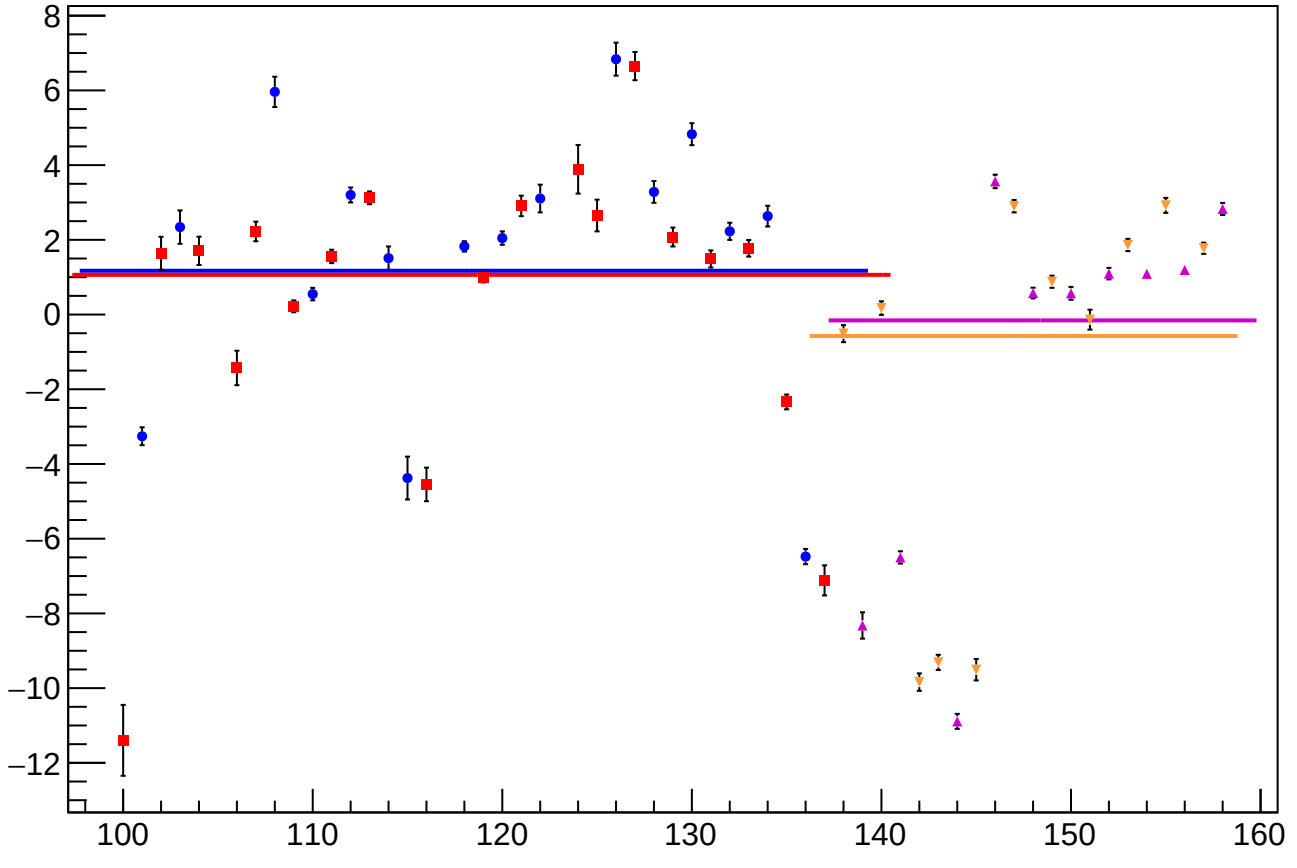
Left: 15.258+/-0.052 χ^2/NDF: 207285.5/20

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 1.642+/-0.043 χ^2/NDF:203513.0/25

Out: 3.362+/-0.040 χ^2/NDF:244270.2/29

All: 2.560+/-0.029 χ^2/NDF: 448650.4/55



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.574+/-0.058 χ^2/NDF:5693.1/10

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -0.157+/-0.048 χ^2/NDF:6042.2/9

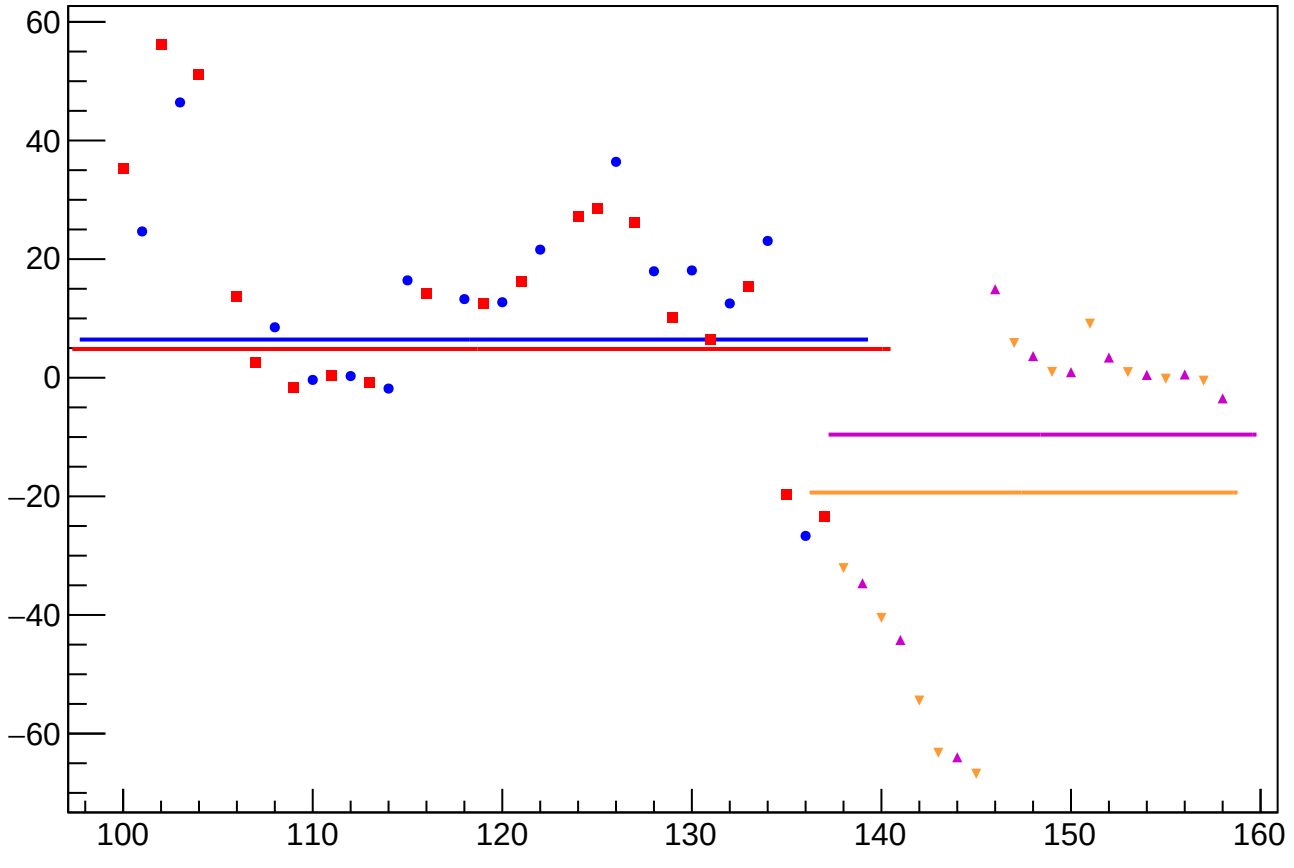
Left: -0.326+/-0.037 χ^2/NDF: 11766.1/20

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.359+/-0.037 χ^2/NDF:8925.7/25

Out: 0.259+/-0.041 χ^2/NDF:7695.4/29

All: 0.313+/-0.028 χ^2/NDF: 16624.4/55



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -19.359+/-0.079 χ^2/NDF:101989.3/10

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -9.586+/-0.066 χ^2/NDF:99824.9/9

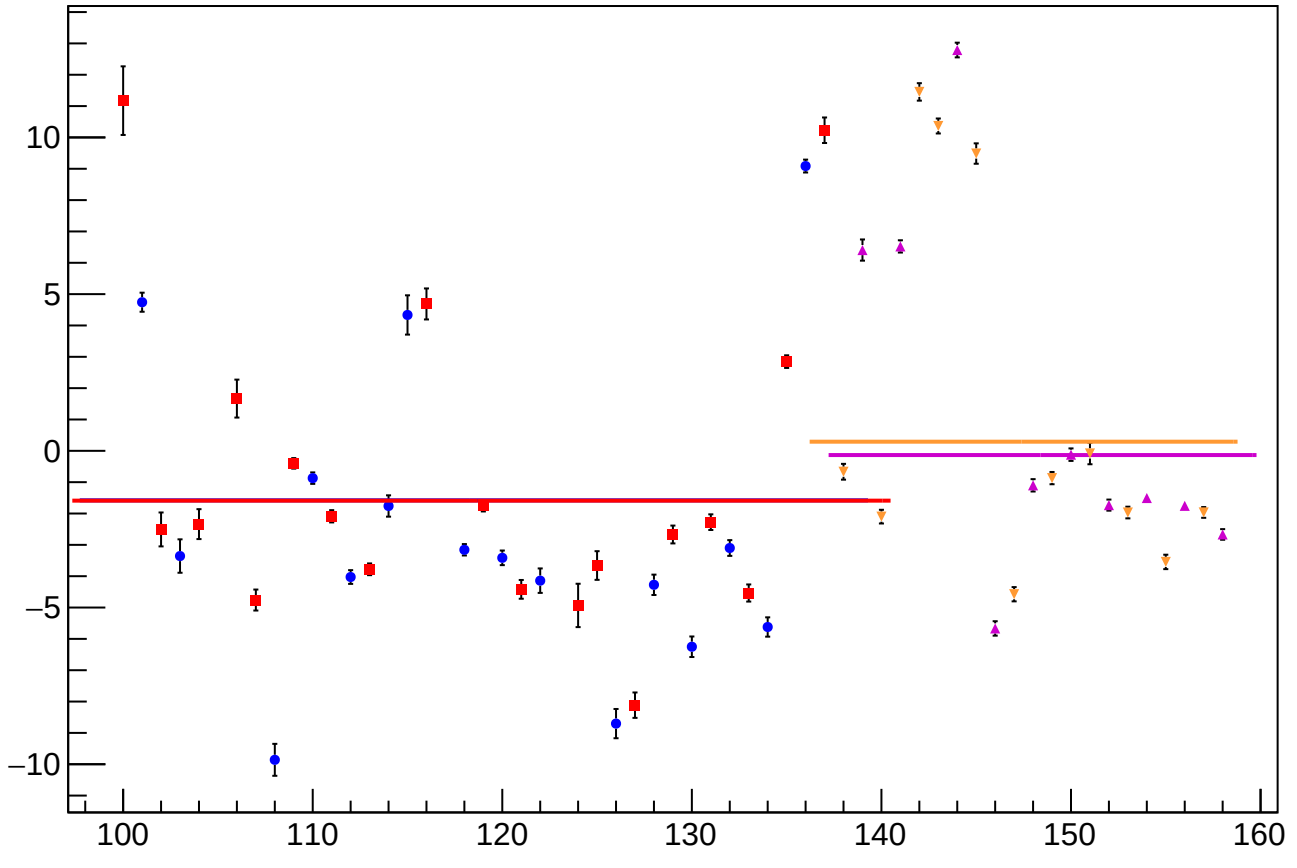
Left: -13.594+/-0.051 χ^2/NDF: 210865.9/20

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -1.459+/-0.046 χ^2/NDF:200564.2/25

Out: -3.801+/-0.047 χ^2/NDF:237659.9/29

All: -2.605+/-0.033 χ^2/NDF: 439483.1/55



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 0.292+/-0.069 χ^2/NDF:5404.3/10

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.135+/-0.056 χ^2/NDF:5764.1/9

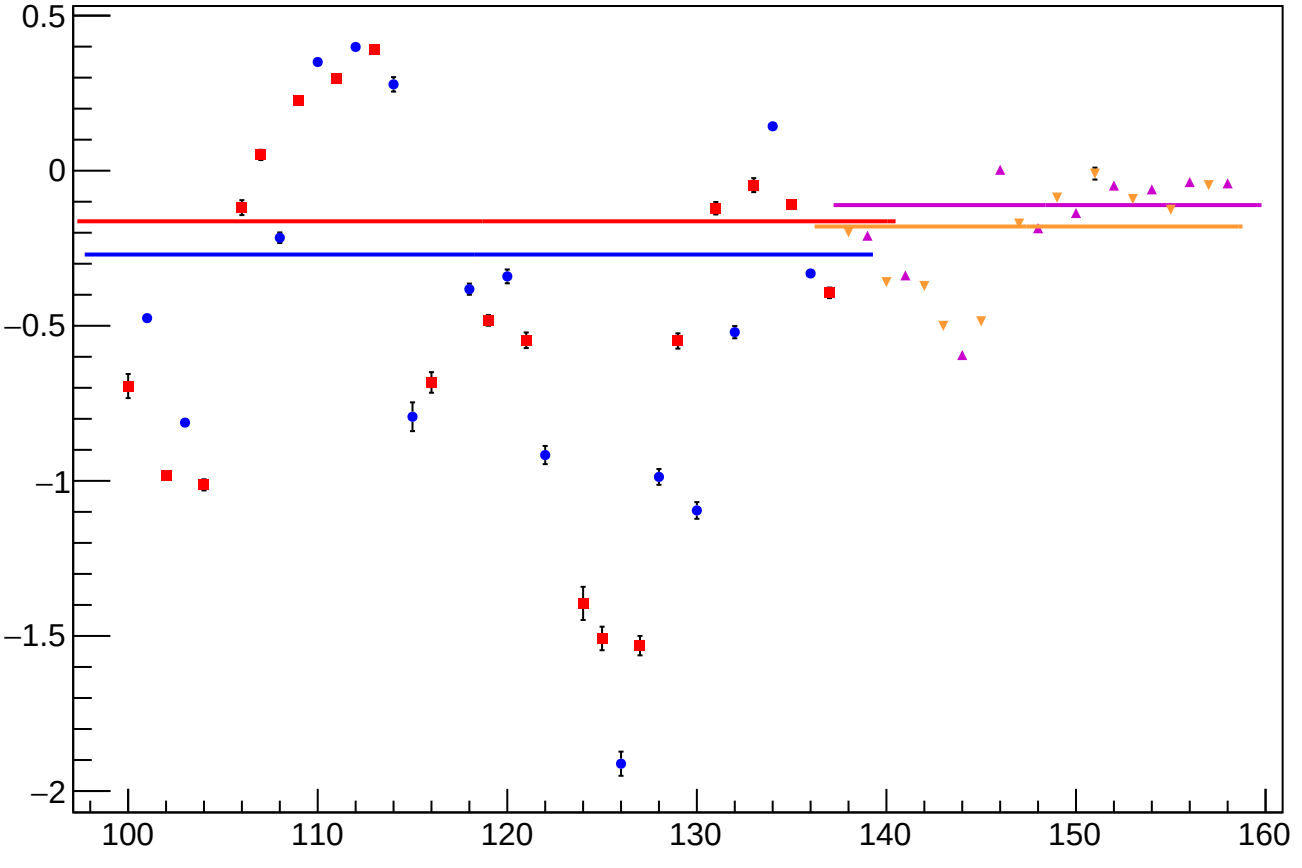
Left: 0.035+/-0.043 χ^2/NDF: 11191.7/20

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.703+/-0.043 χ^2/NDF:10552.7/25

Out: -0.712+/-0.047 χ^2/NDF:8276.6/29

All: -0.707+/-0.032 χ^2/NDF: 18829.4/55



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.180+/-0.003 χ^2/NDF:2507.6/10

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.111+/-0.002 χ^2/NDF:2894.5/9

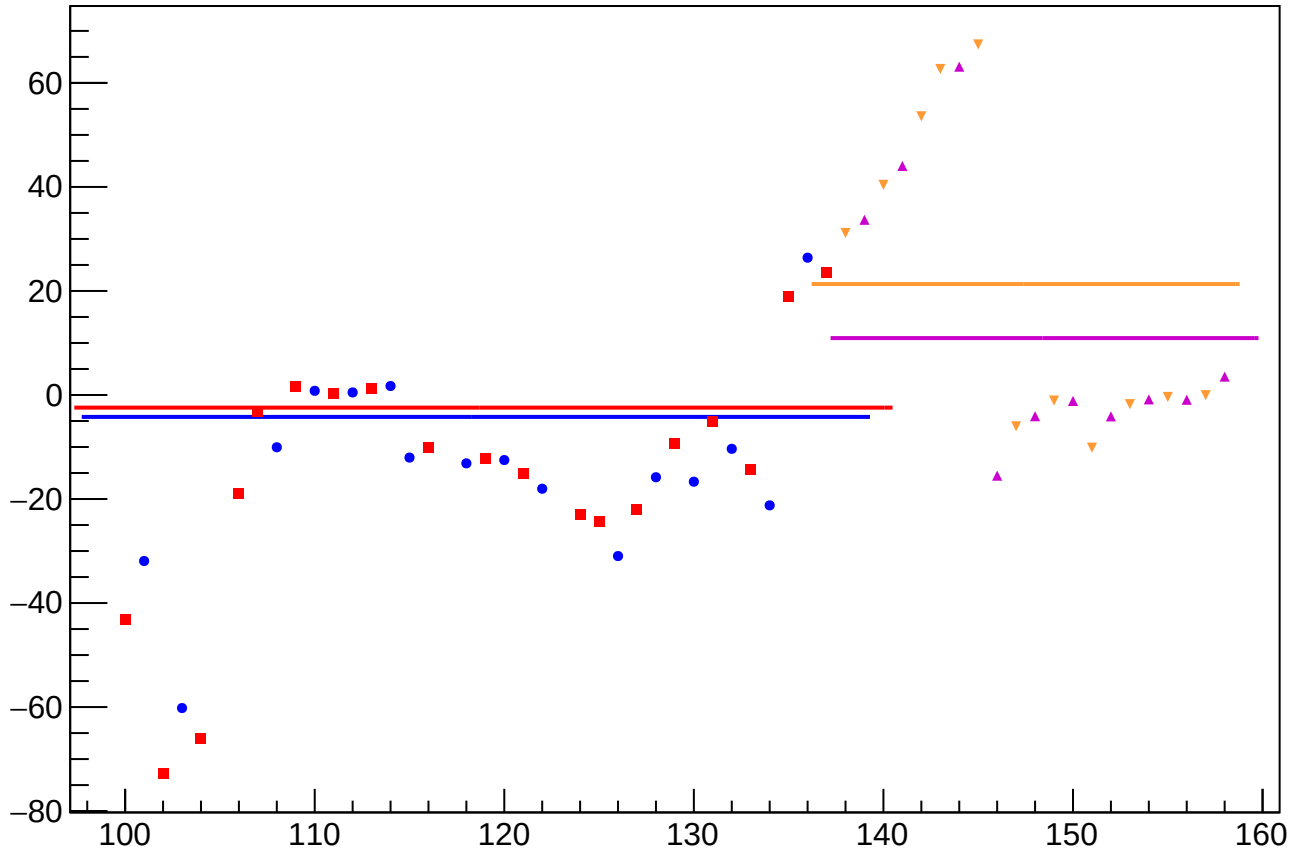
Left: -0.137+/-0.002 χ^2/NDF: 5736.1/20

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.150+/-0.002 χ^2/NDF:16056.8/25

Out: -0.174+/-0.002 χ^2/NDF:18029.8/29

All: -0.160+/-0.002 χ^2/NDF: 34146.5/55



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 21.333+/-0.081 χ^2/NDF:99295.3/10

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 10.939+/-0.069 χ^2/NDF:98936.2/9

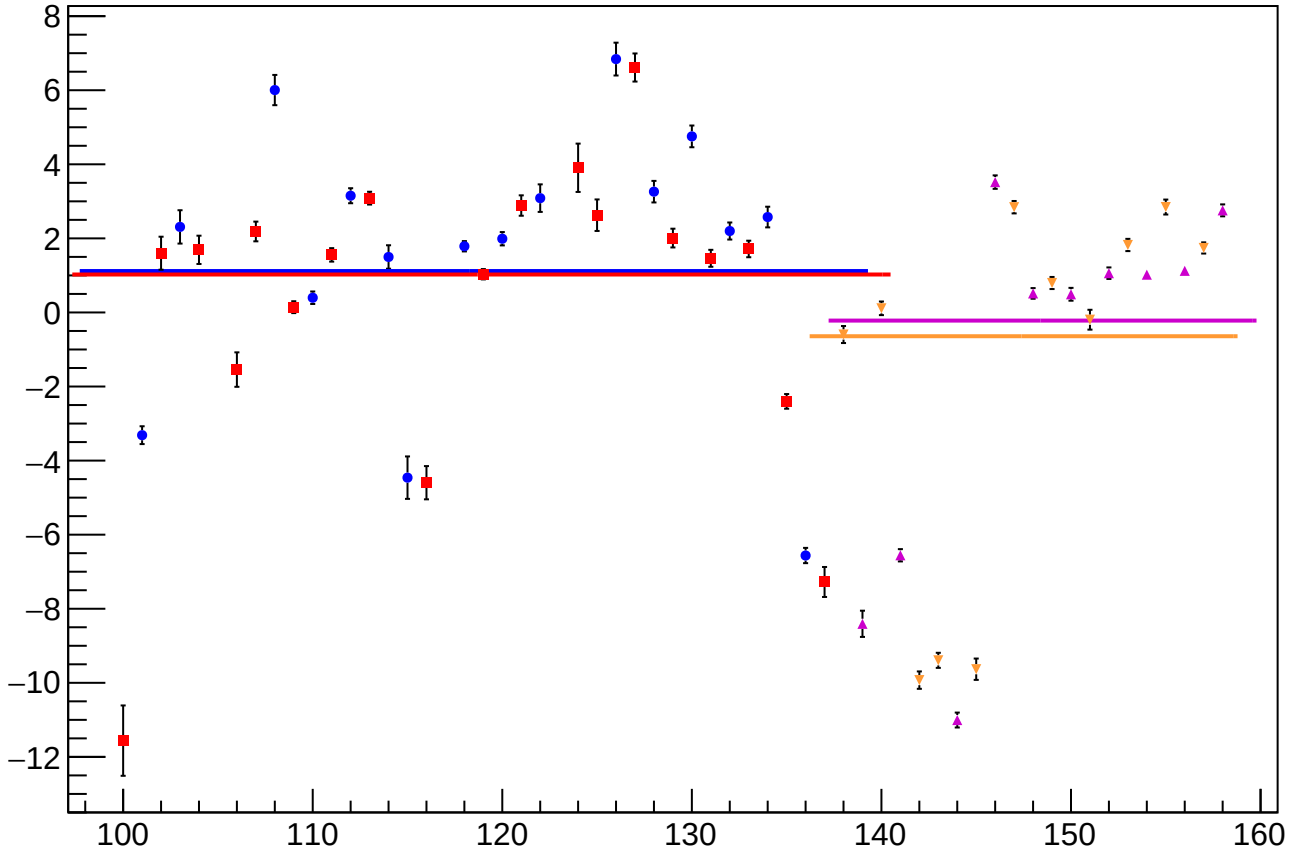
Left: 15.300+/-0.053 χ^2/NDF: 207728.2/20

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 1.625+/-0.043 χ^2/NDF:203715.3/25

Out: 3.373+/-0.040 χ^2/NDF:244646.7/29

All: 2.557+/-0.029 χ^2/NDF: 449247.2/55



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -0.642+/-0.058 χ^2/NDF:5684.9/10

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -0.220+/-0.048 χ^2/NDF:6022.3/9

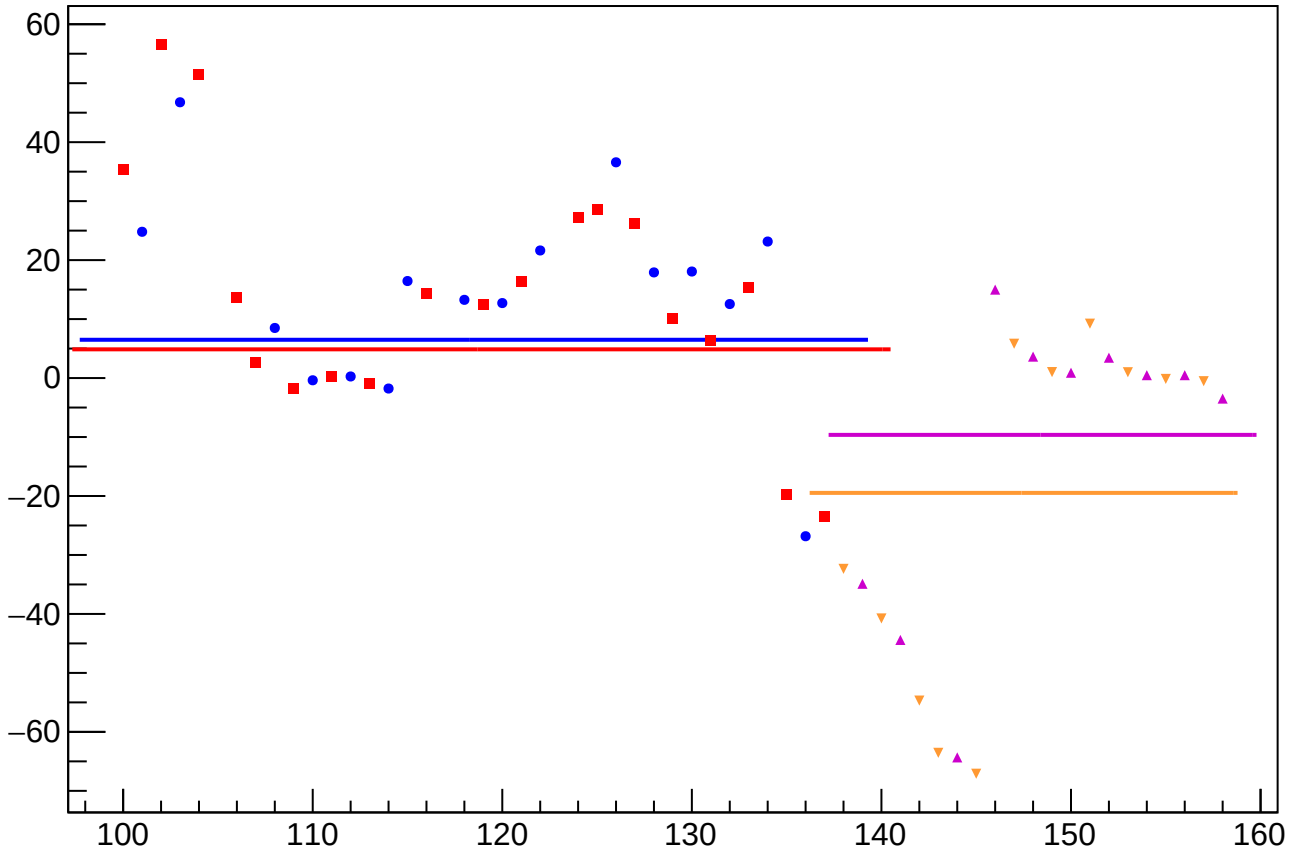
Left: -0.391+/-0.037 χ^2/NDF: 11738.6/20

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.299+/-0.038 χ^2/NDF:8914.3/25

Out: 0.205+/-0.041 χ^2/NDF:7713.6/29

All: 0.256+/-0.028 χ^2/NDF: 16630.7/55



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -19.472+/-0.079 χ^2/NDF:102254.9/10

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -9.635+/-0.066 χ^2/NDF:99971.5/9

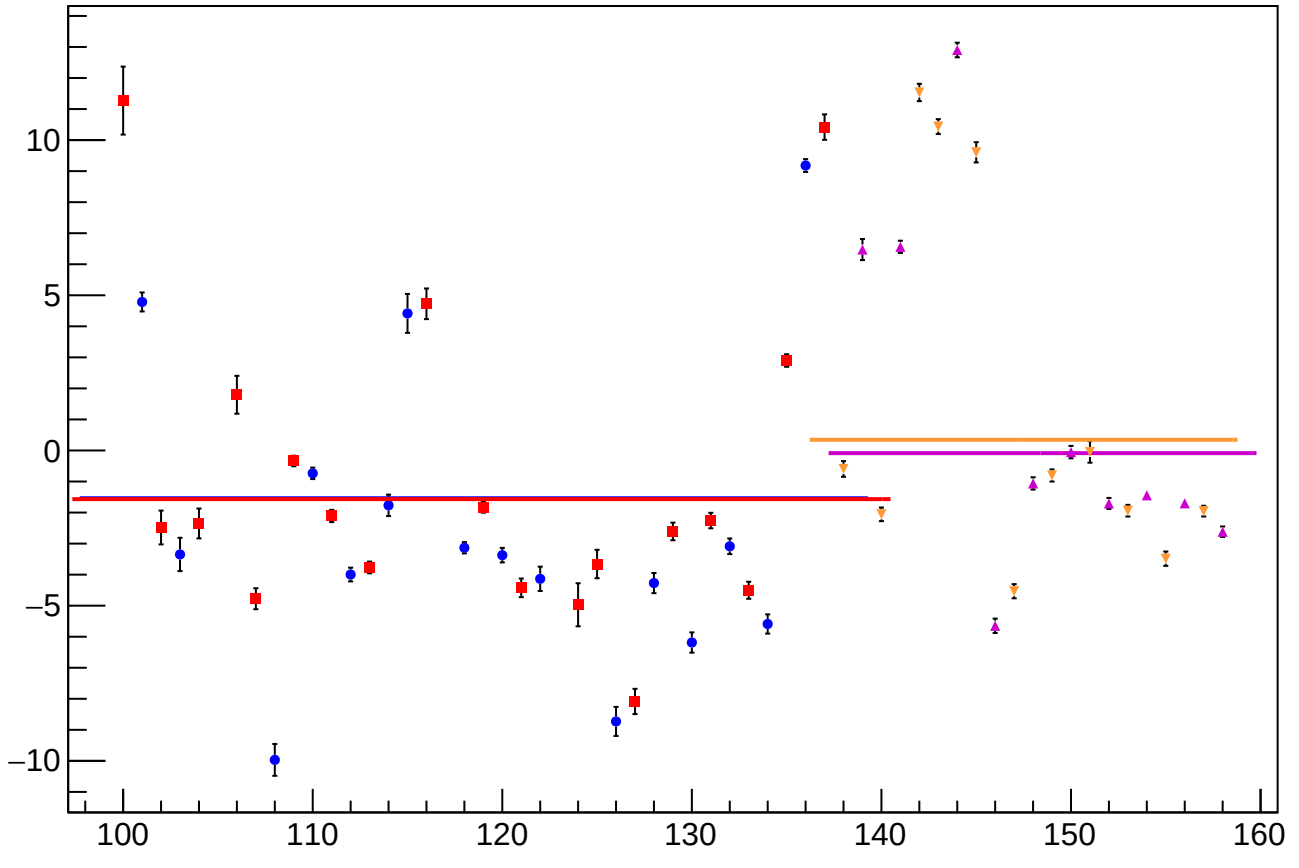
Left: -13.664+/-0.051 χ^2/NDF: 211323.7/20

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -1.476+/-0.046 χ^2/NDF:200800.8/25

Out: -3.849+/-0.047 χ^2/NDF:238075.9/29

All: -2.636+/-0.033 χ^2/NDF: 440156.2/55



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 0.345+/-0.069 χ^2/NDF:5398.4/10

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -0.086+/-0.056 χ^2/NDF:5751.2/9

Left: 0.085+/-0.043 χ^2/NDF: 11173.2/20

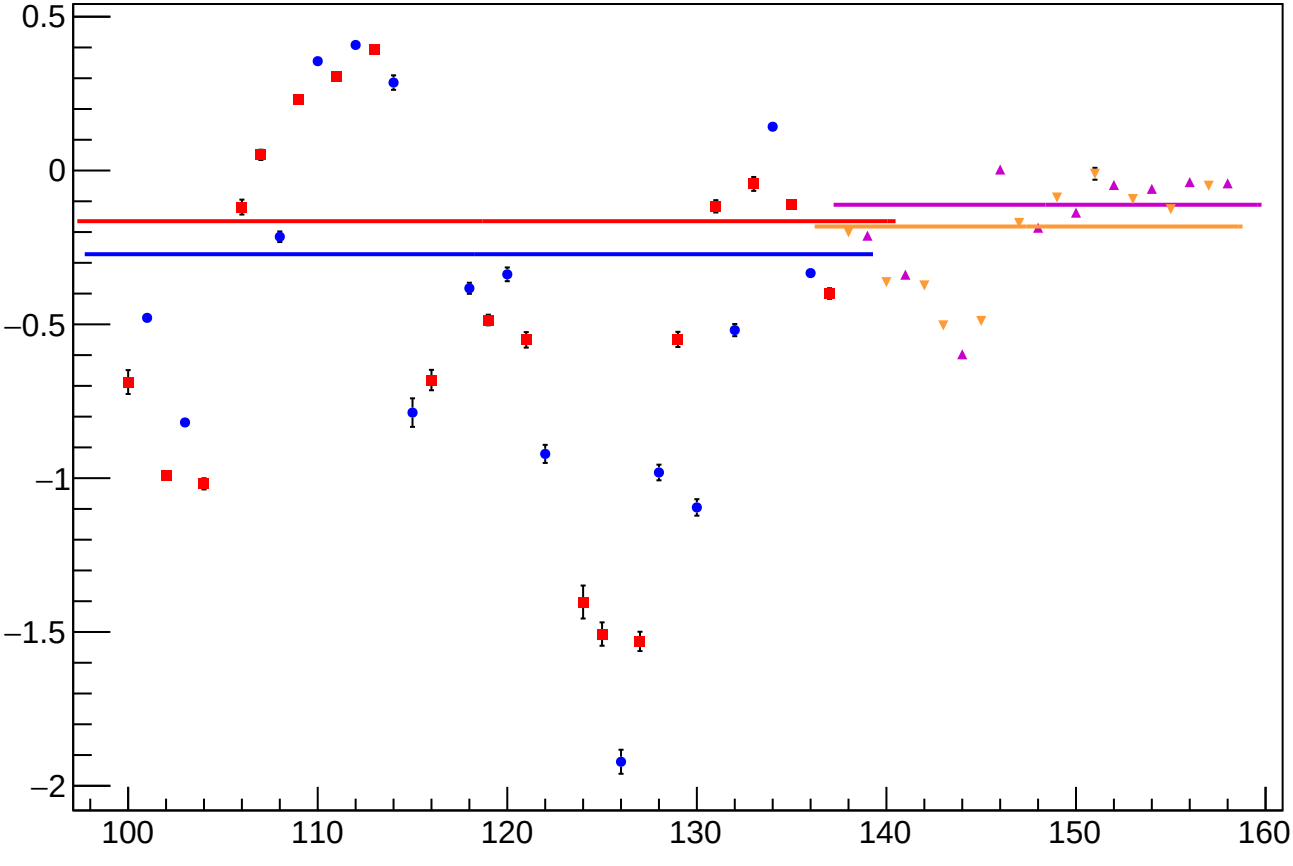
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.657+/-0.044 χ^2/NDF:10552.5/25

Out: -0.674+/-0.047 χ^2/NDF:8304.9/29

All: -0.665+/-0.032 χ^2/NDF: 18857.4/55

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: -0.182+/-0.003 χ^2/NDF:2503.2/10

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.111+/-0.002 χ^2/NDF:2900.6/9

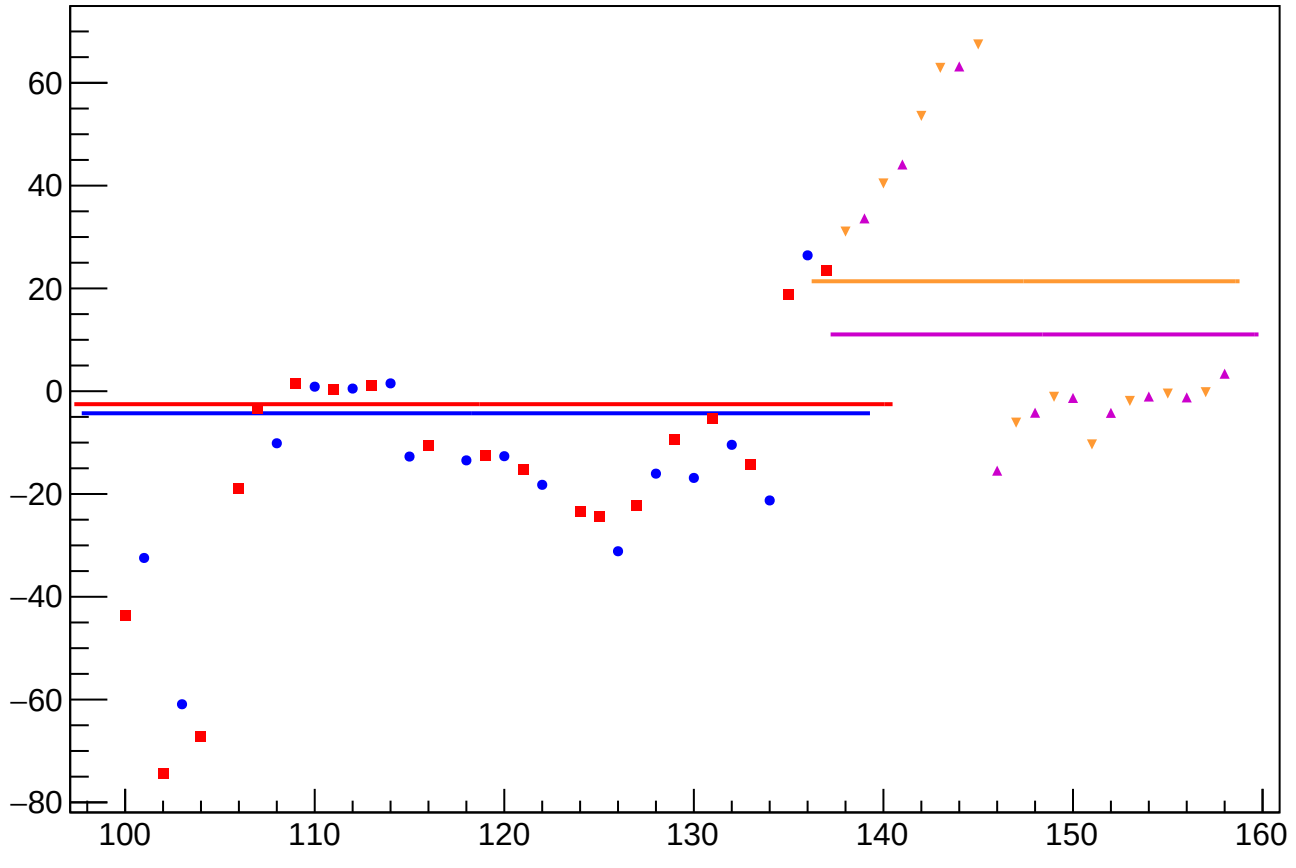
Left: -0.138+/-0.002 χ^2/NDF: 5751.1/20

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.150+/-0.002 χ^2/NDF:16098.2/25

Out: -0.175+/-0.002 χ^2/NDF:18006.5/29

All: -0.161+/-0.002 χ^2/NDF: 34170.5/55



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 21.391+/-0.082 χ^2/NDF:97864.8/10

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 11.046+/-0.070 χ^2/NDF:97207.6/9

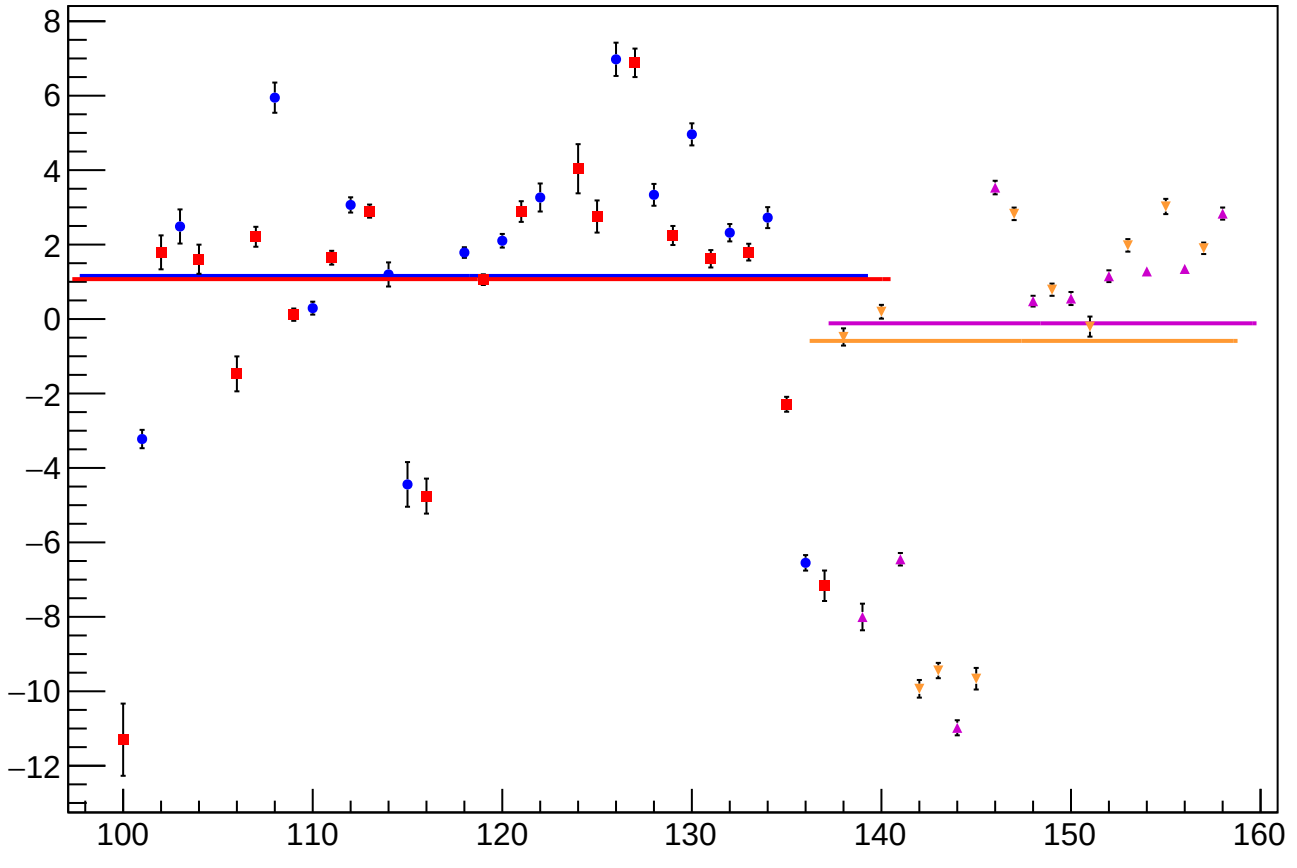
Left: 15.429+/-0.054 χ^2/NDF: 204203.1/20

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 1.607+/-0.044 χ^2/NDF:200579.7/25

Out: 3.412+/-0.041 χ^2/NDF:241400.7/29

All: 2.569+/-0.030 χ^2/NDF: 442888.6/55



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -0.587+/-0.059 χ^2/NDF:5687.8/10

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -0.115+/-0.049 χ^2/NDF:5922.3/9

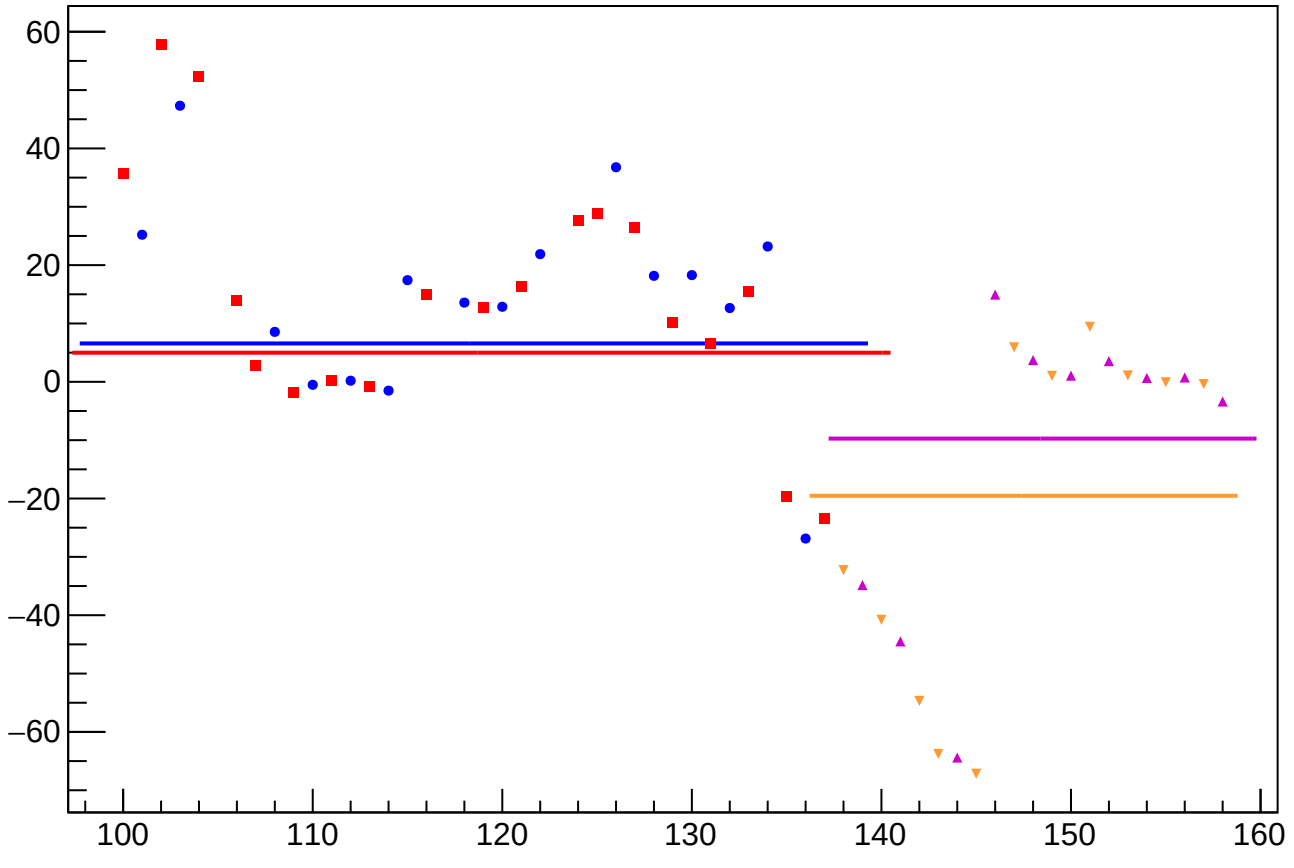
Left: -0.308+/-0.038 χ^2/NDF: 11648.1/20

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.380+/-0.038 χ^2/NDF:8733.8/25

Out: 0.250+/-0.041 χ^2/NDF:7639.9/29

All: 0.320+/-0.028 χ^2/NDF: 16379.0/55



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -19.530+/-0.080 χ^2/NDF:100754.7/10

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -9.727+/-0.067 χ^2/NDF:98240.3/9

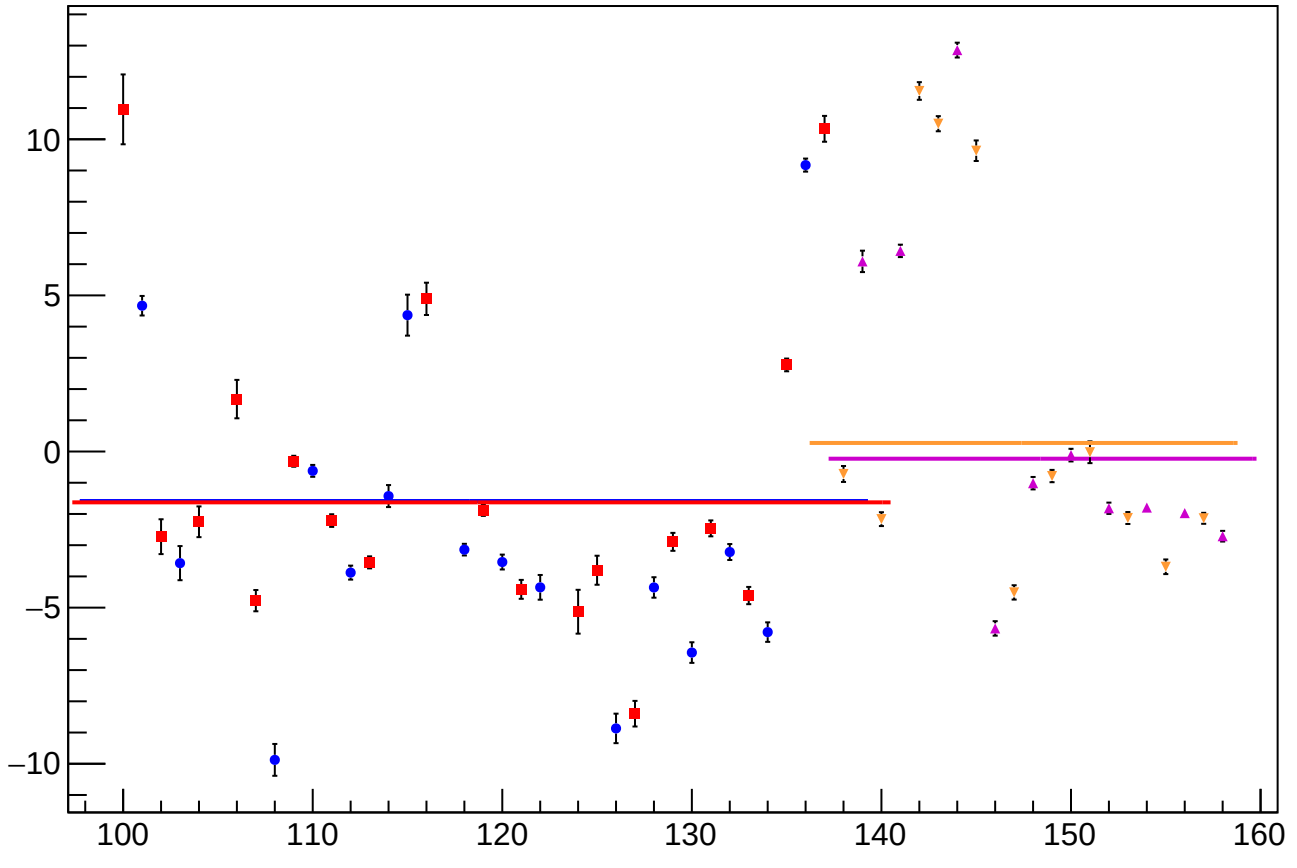
Left: -13.784+/-0.052 χ^2/NDF: 207757.1/20

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -1.456+/-0.047 χ^2/NDF:197686.5/25

Out: -3.890+/-0.048 χ^2/NDF:234879.0/29

All: -2.648+/-0.034 χ^2/NDF: 433863.6/55



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 0.274+/-0.070 χ^2/NDF:5411.0/10

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -0.230+/-0.057 χ^2/NDF:5673.2/9

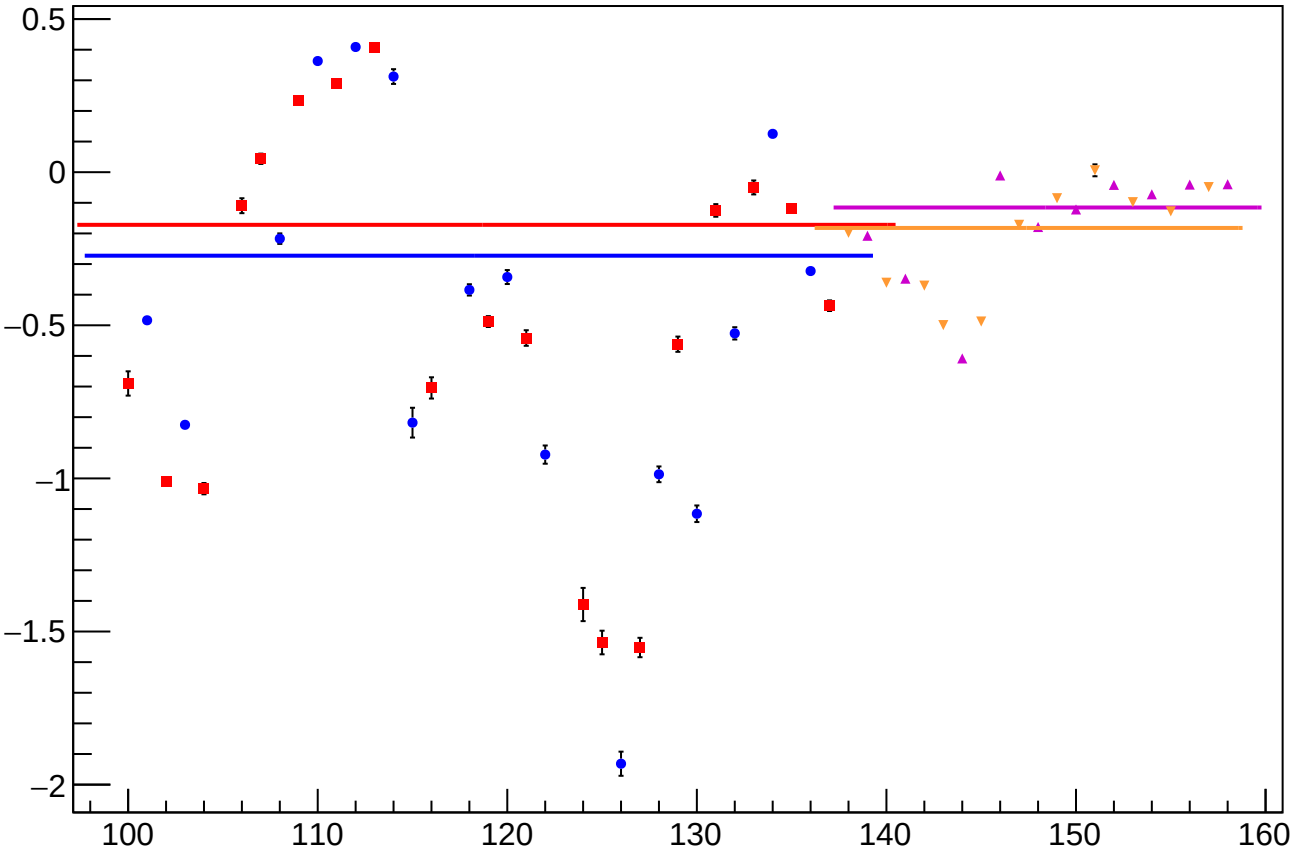
Left: -0.028+/-0.044 χ^2/NDF: 11115.5/20

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.765+/-0.044 χ^2/NDF:10367.9/25

Out: -0.732+/-0.048 χ^2/NDF:8226.4/29

All: -0.750+/-0.033 χ^2/NDF: 18594.5/55



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.182+/-0.003 χ^2/NDF:2417.9/10

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.115+/-0.002 χ^2/NDF:2850.4/9

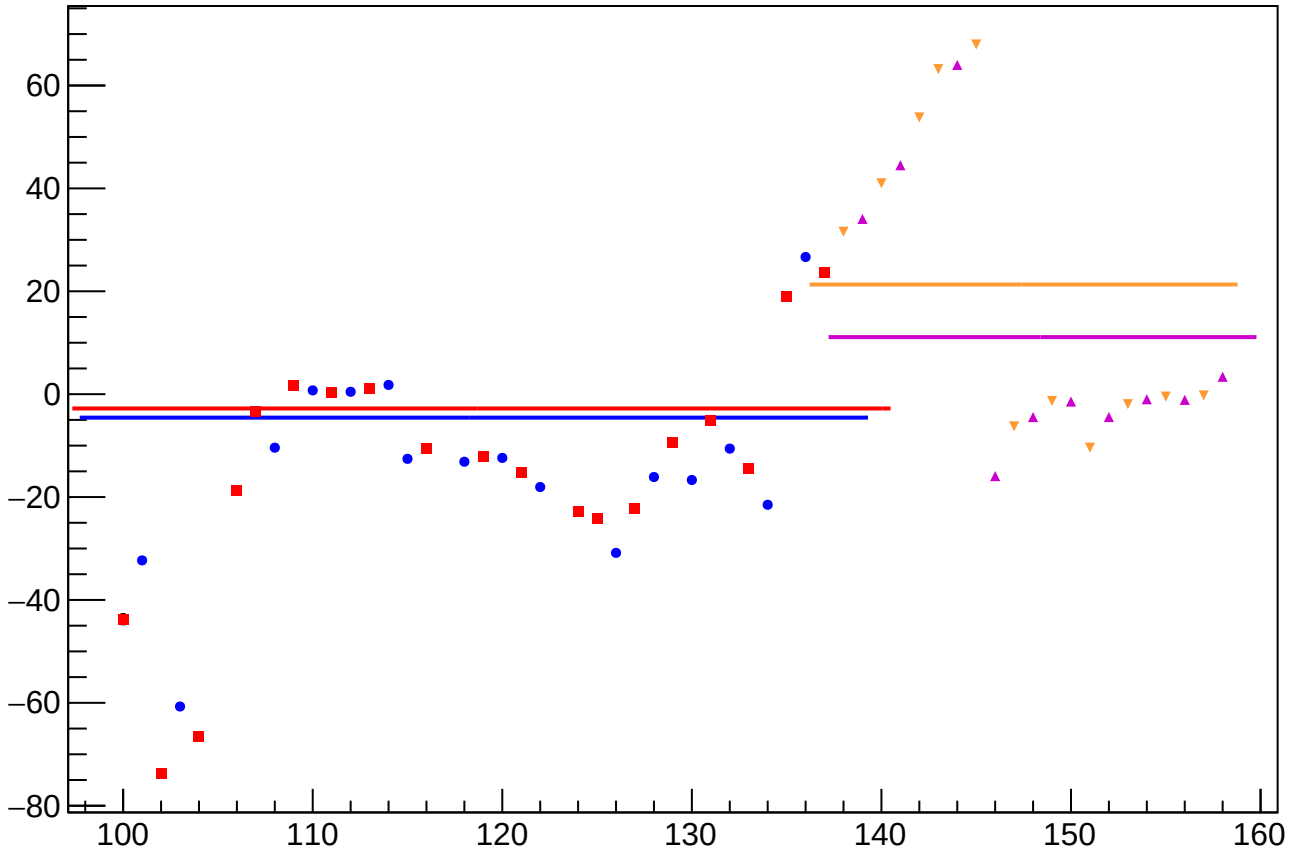
Left: -0.141+/-0.002 χ^2/NDF: 5568.0/20

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.154+/-0.002 χ^2/NDF:15756.1/25

Out: -0.178+/-0.002 χ^2/NDF:17744.6/29

All: -0.164+/-0.002 χ^2/NDF: 33560.4/55



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 21.317+/-0.083 χ^2/NDF:97215.2/10

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 11.094+/-0.072 χ^2/NDF:96157.2/9

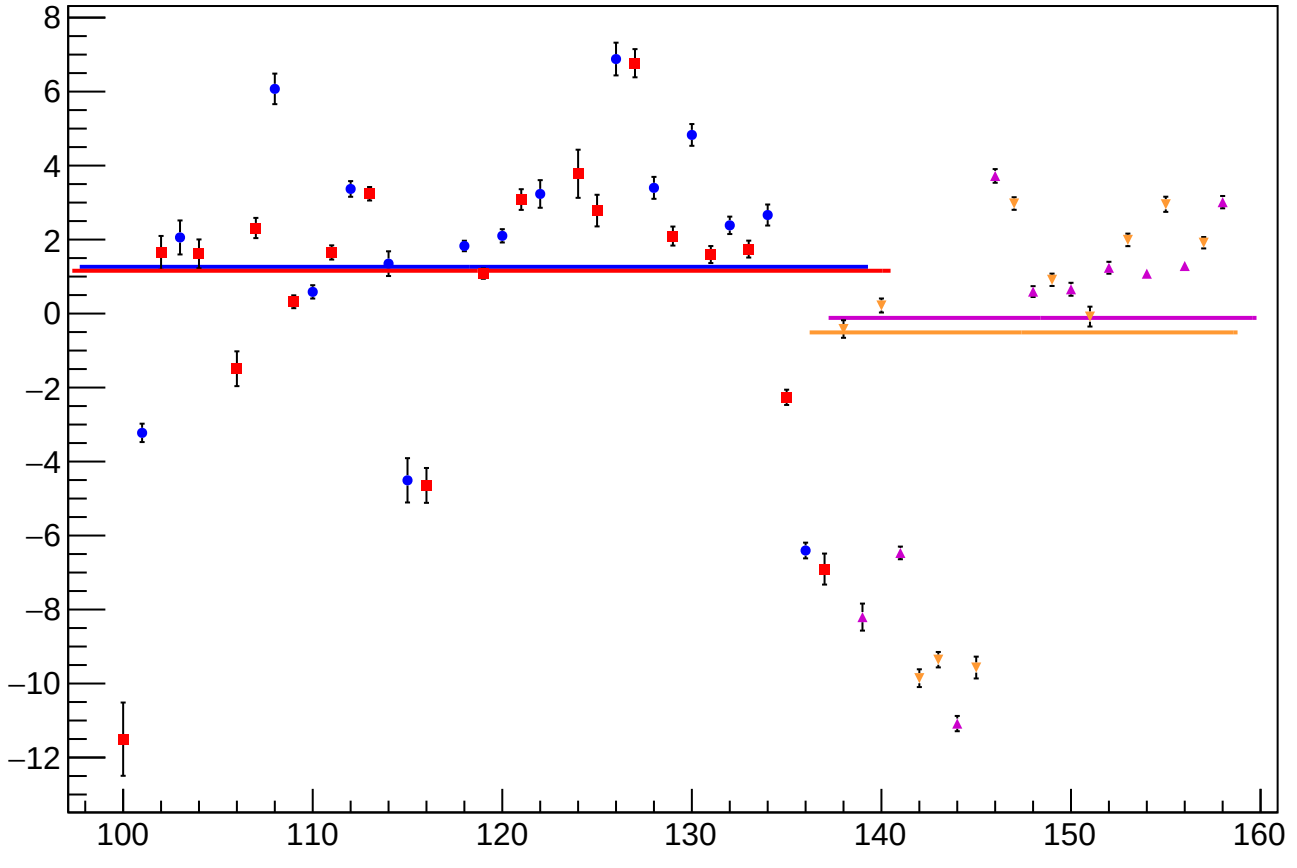
Left: 15.446+/-0.054 χ^2/NDF: 202015.5/20

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 1.473+/-0.045 χ^2/NDF:198045.3/25

Out: 3.319+/-0.042 χ^2/NDF:237573.8/29

All: 2.452+/-0.031 χ^2/NDF: 436529.8/55



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.509+/-0.060 χ^2/NDF:5512.1/10

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -0.117+/-0.050 χ^2/NDF:5835.9/9

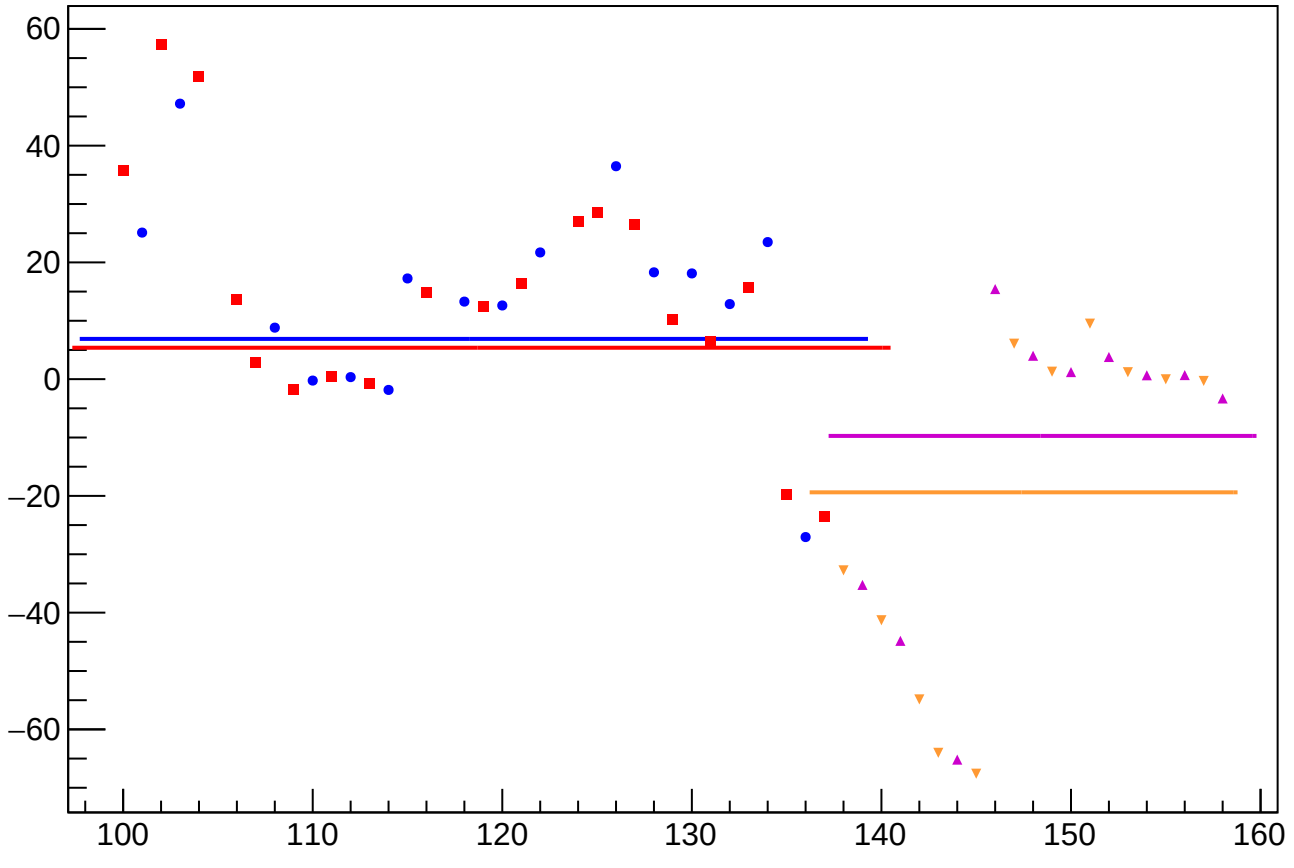
Left: -0.279+/-0.038 χ^2/NDF: 11373.5/20

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.425+/-0.039 χ^2/NDF:8580.3/25

Out: 0.330+/-0.042 χ^2/NDF:7397.1/29

All: 0.381+/-0.029 χ^2/NDF: 15980.1/55



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -19.389+/-0.081 χ^2/NDF:99960.1/10

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -9.725+/-0.069 χ^2/NDF:97142.2/9

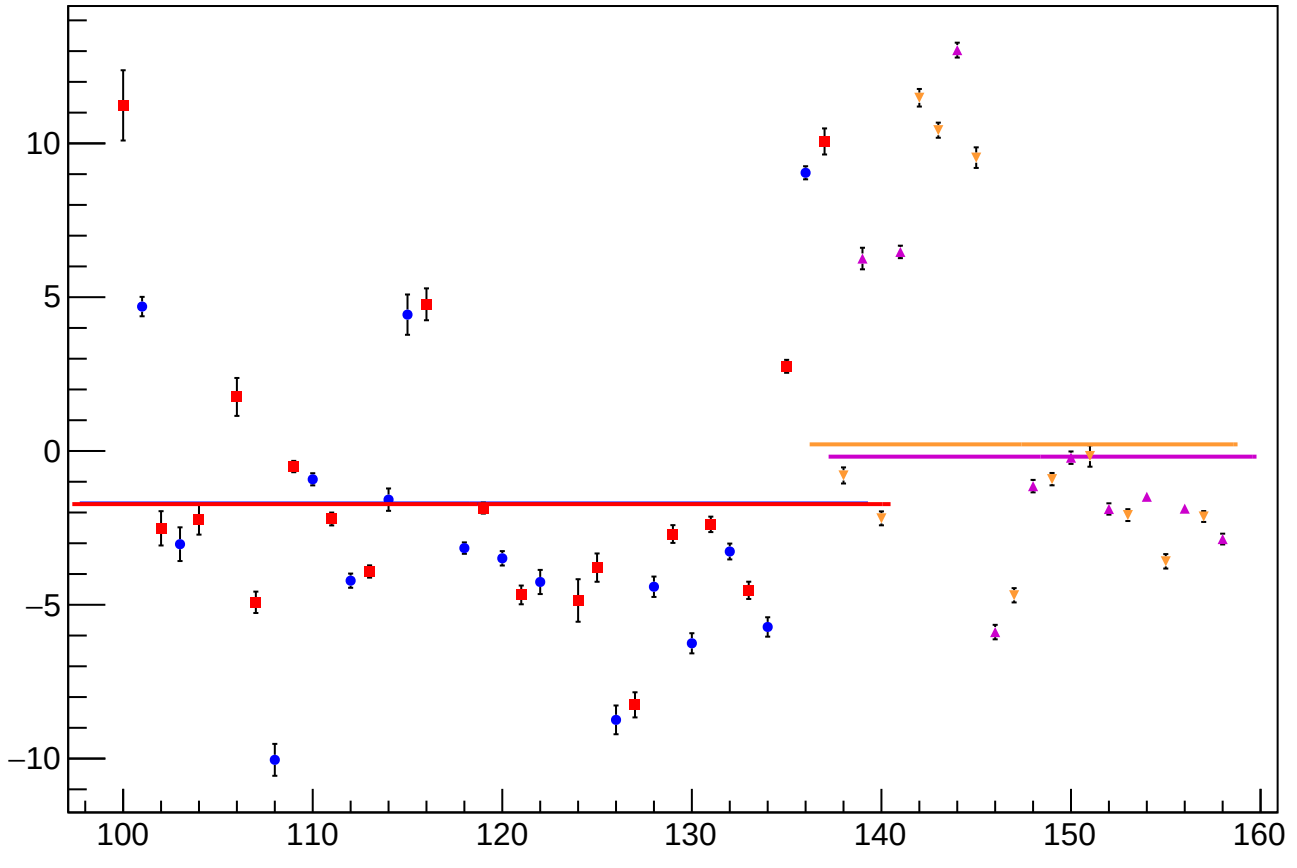
Left: -13.747+/-0.052 χ^2/NDF: 205366.3/20

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -1.267+/-0.048 χ^2/NDF:195082.4/25

Out: -3.679+/-0.049 χ^2/NDF:231169.1/29

All: -2.447+/-0.034 χ^2/NDF: 427484.1/55



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 0.215+/-0.071 χ^2/NDF:5240.7/10

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -0.184+/-0.058 χ^2/NDF:5590.2/9

Left: -0.023+/-0.045 χ^2/NDF: 10849.9/20

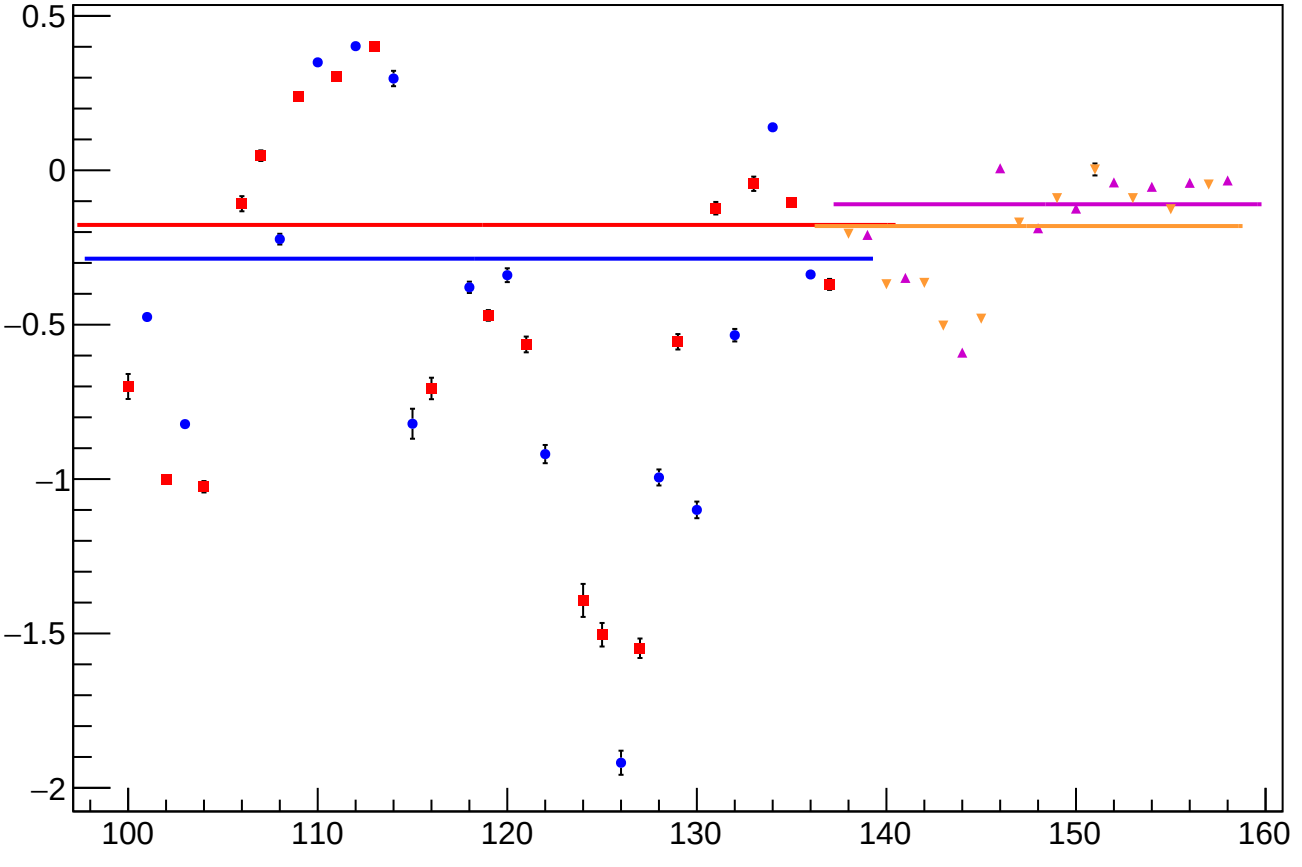
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.790+/-0.045 χ^2/NDF:10153.0/25

Out: -0.809+/-0.049 χ^2/NDF:7949.4/29

All: -0.799+/-0.033 χ^2/NDF: 18102.5/55

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: -0.181+/-0.003 χ^2/NDF:2404.0/10

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.110+/-0.002 χ^2/NDF:2775.1/9

Left: -0.138+/-0.002 χ^2/NDF: 5504.9/20

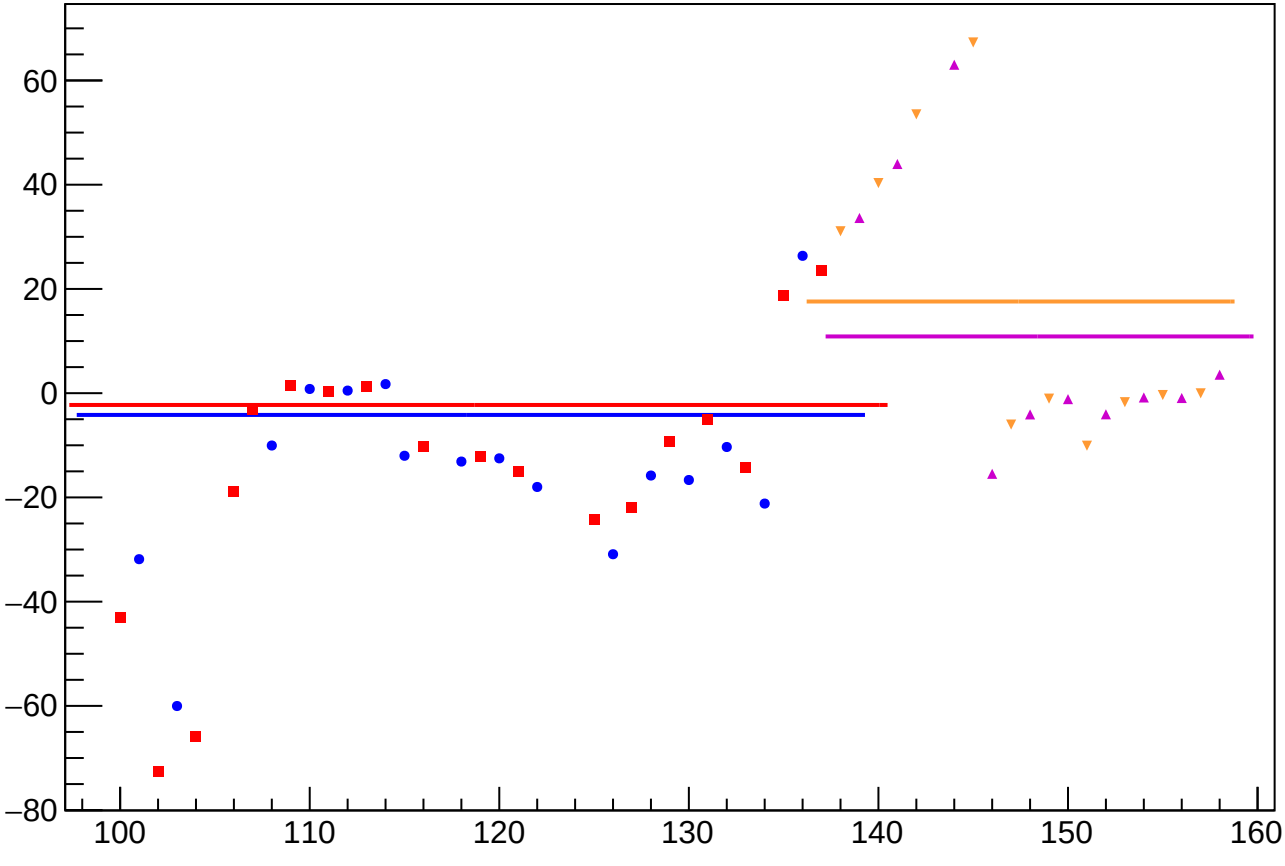
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.153+/-0.002 χ^2/NDF:15414.4/25

Out: -0.179+/-0.002 χ^2/NDF:17172.3/29

All: -0.165+/-0.002 χ^2/NDF: 32651.4/55

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: 17.589+/-0.085 χ^2/NDF:76218.9/9

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 10.886+/-0.069 χ^2/NDF:99195.2/9

Left: 13.556+/-0.053 χ^2/NDF: 179196.2/19

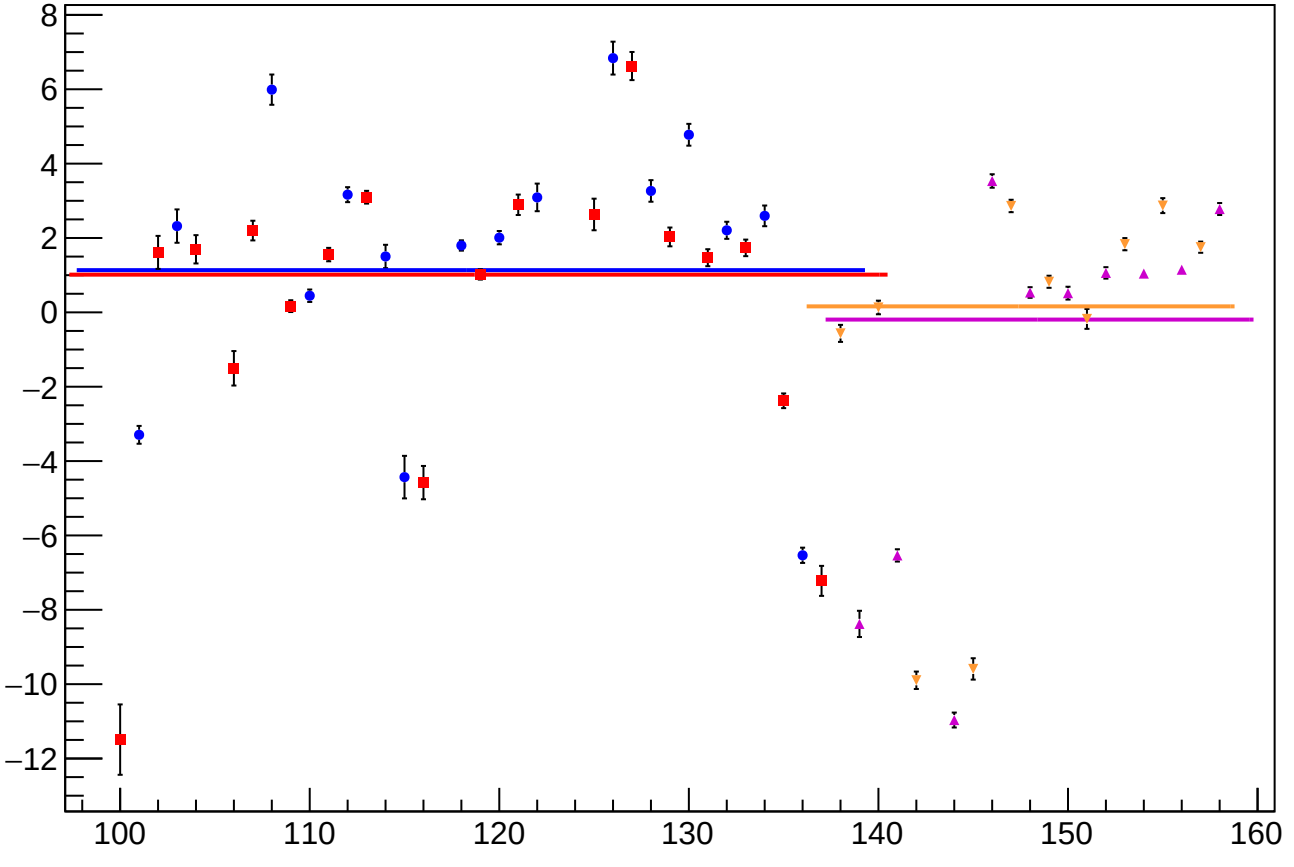
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 1.627+/-0.043 χ^2/NDF:204052.1/25

Out: 2.279+/-0.040 χ^2/NDF:198359.9/27

All: 1.971+/-0.029 χ^2/NDF: 402534.7/53

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: 0.161+/-0.061 χ^2/NDF:3679.5/9

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -0.194+/-0.048 χ^2/NDF:6042.7/9

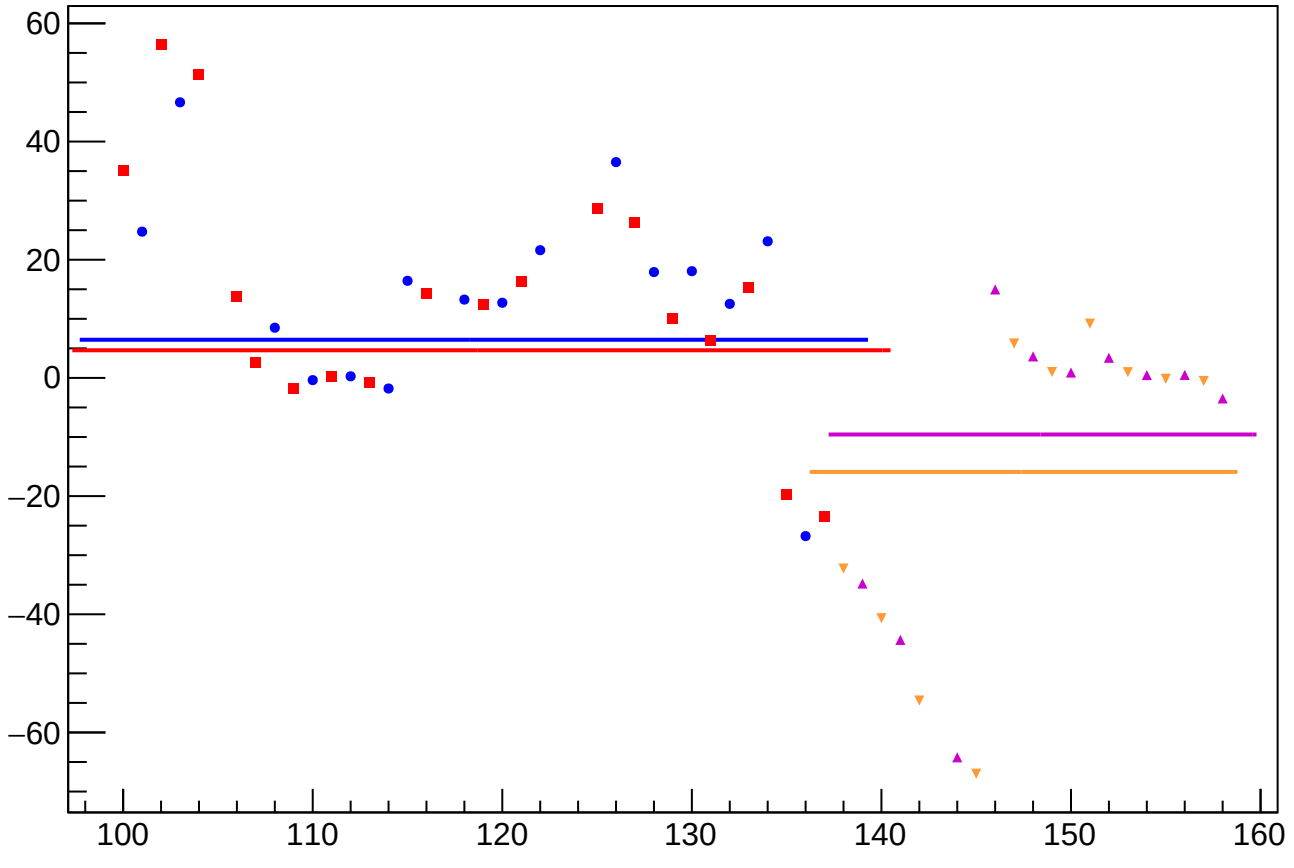
Left: -0.058+/-0.038 χ^2/NDF: 9743.4/19

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.321+/-0.037 χ^2/NDF:8937.4/25

Out: 0.612+/-0.042 χ^2/NDF:5377.4/27

All: 0.451+/-0.028 χ^2/NDF: 14341.9/53



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -15.906+/-0.082 χ^2/NDF:77672.6/9

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -9.576+/-0.066 χ^2/NDF:100216.0/9

Left: -12.048+/-0.051 χ^2/NDF: 181514.2/19

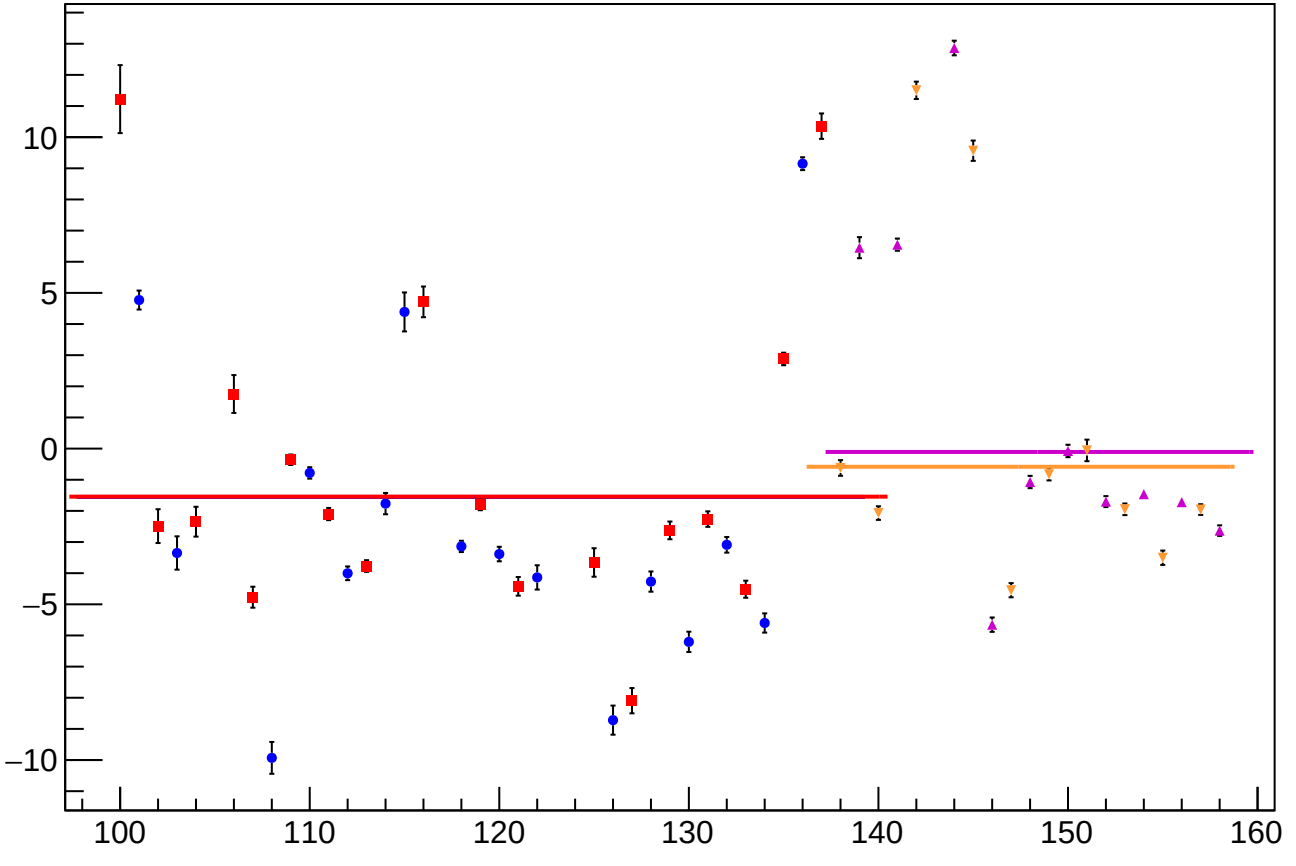
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -1.467+/-0.046 χ^2/NDF:201120.4/25

Out: -2.349+/-0.048 χ^2/NDF:193510.2/27

All: -1.892+/-0.033 χ^2/NDF: 394806.2/53

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: -0.583+/-0.072 χ^2/NDF:3474.8/9

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.107+/-0.056 χ^2/NDF:5768.3/9

Left: -0.286+/-0.044 χ^2/NDF: 9270.6/19

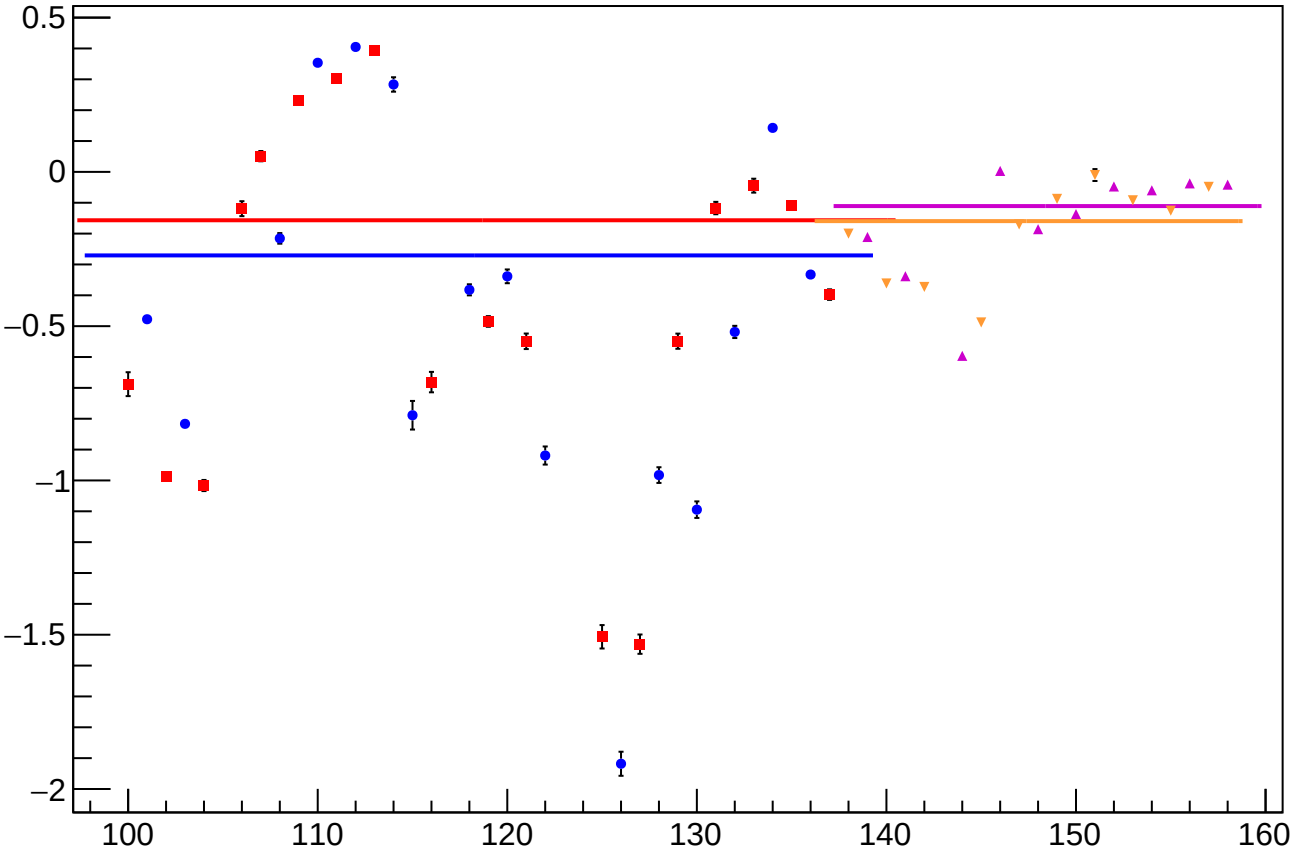
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.674+/-0.043 χ^2/NDF:10575.9/25

Out: -1.114+/-0.048 χ^2/NDF:6046.6/27

All: -0.872+/-0.032 χ^2/NDF: 16668.7/53

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: -0.160+/-0.003 χ^2/NDF:1725.9/9

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.111+/-0.002 χ^2/NDF:2907.7/9

Left: -0.129+/-0.002 χ^2/NDF: 4793.8/19

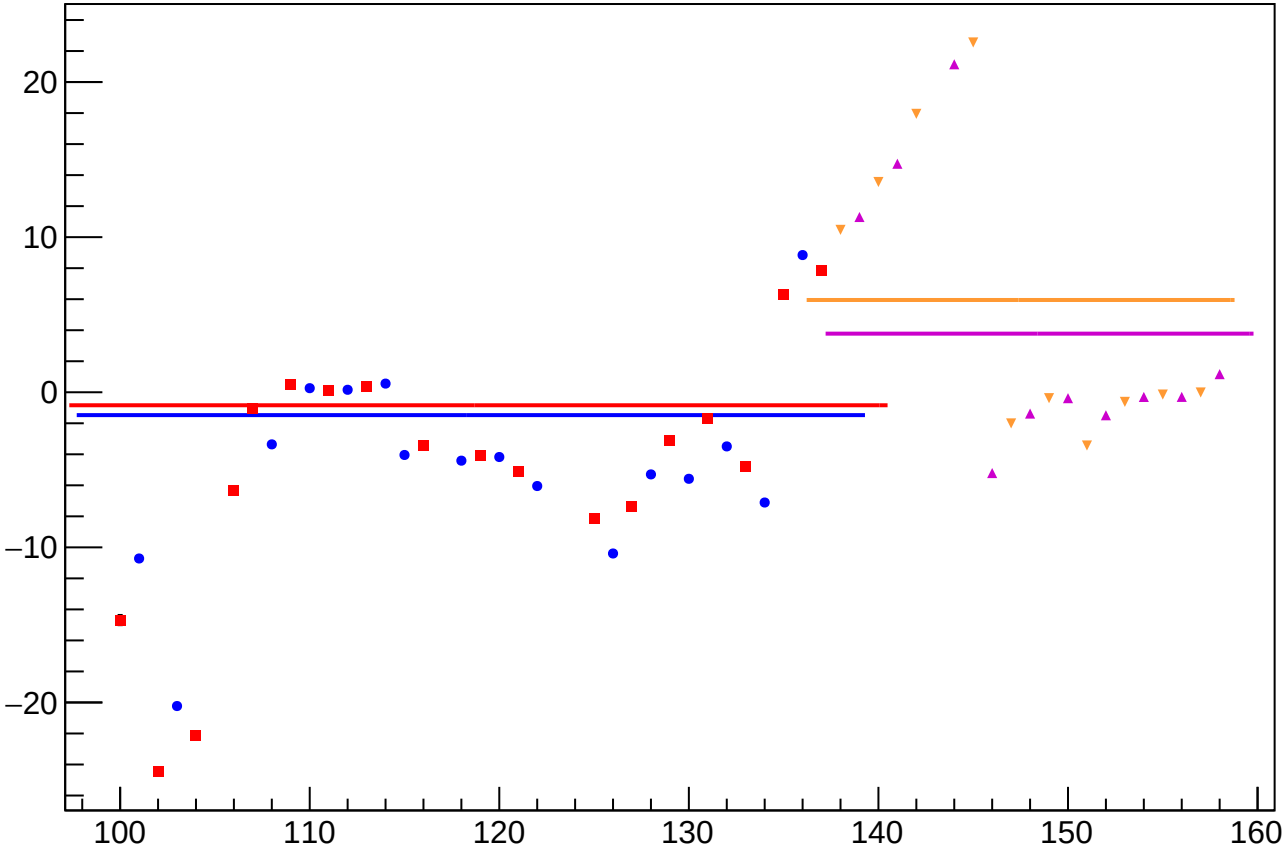
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.149+/-0.002 χ^2/NDF:16134.8/25

Out: -0.158+/-0.002 χ^2/NDF:16745.3/27

All: -0.153+/-0.002 χ^2/NDF: 32888.4/53

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 5.949+/-0.029 χ^2/NDF:74816.9/9

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 3.779+/-0.024 χ^2/NDF:96487.4/9

Left: 4.656+/-0.018 χ^2/NDF: 174687.9/19

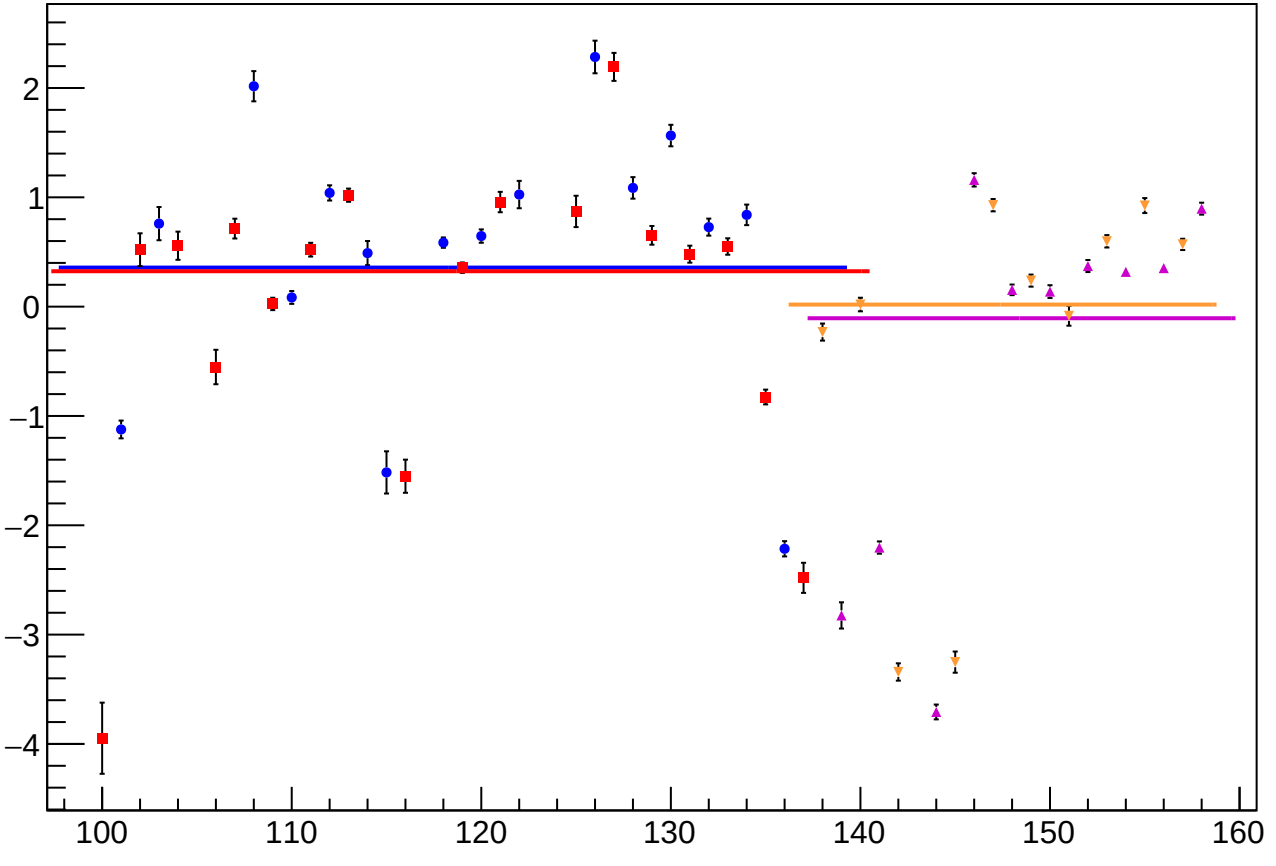
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.545+/-0.015 χ^2/NDF:200407.6/25

Out: 0.767+/-0.014 χ^2/NDF:195235.9/27

All: 0.661+/-0.010 χ^2/NDF: 395763.5/53

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: 0.019+/-0.021 χ^2/NDF:3617.5/9

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.106+/-0.017 χ^2/NDF:5884.7/9

Left: -0.057+/-0.013 χ^2/NDF: 9524.6/19

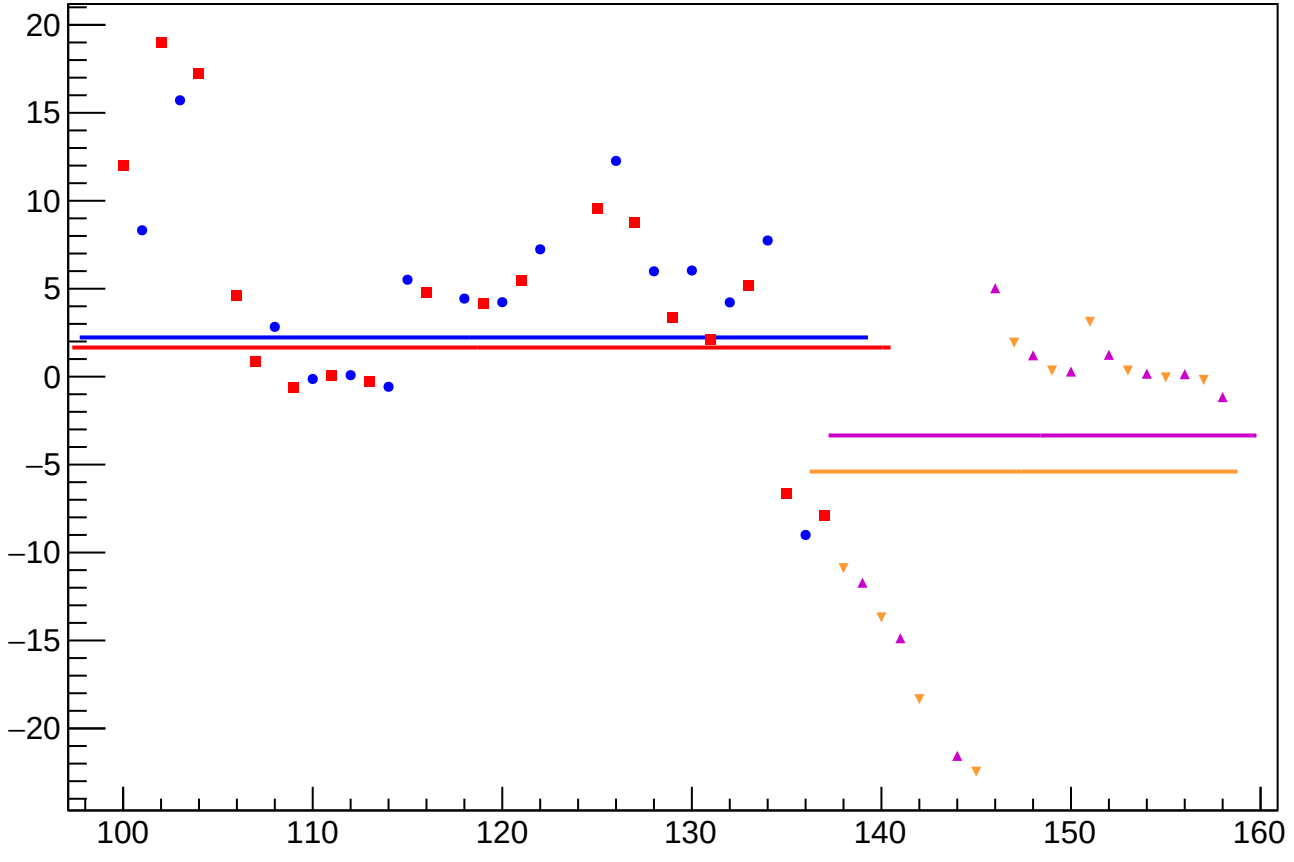
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.075+/-0.013 χ^2/NDF:8736.1/25

Out: 0.178+/-0.014 χ^2/NDF:5290.7/27

All: 0.122+/-0.010 χ^2/NDF: 14055.6/53

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -5.396+/-0.028 χ^2/NDF:76273.0/9

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -3.344+/-0.023 χ^2/NDF:97630.5/9

Left: -4.158+/-0.018 χ^2/NDF: 177150.4/19

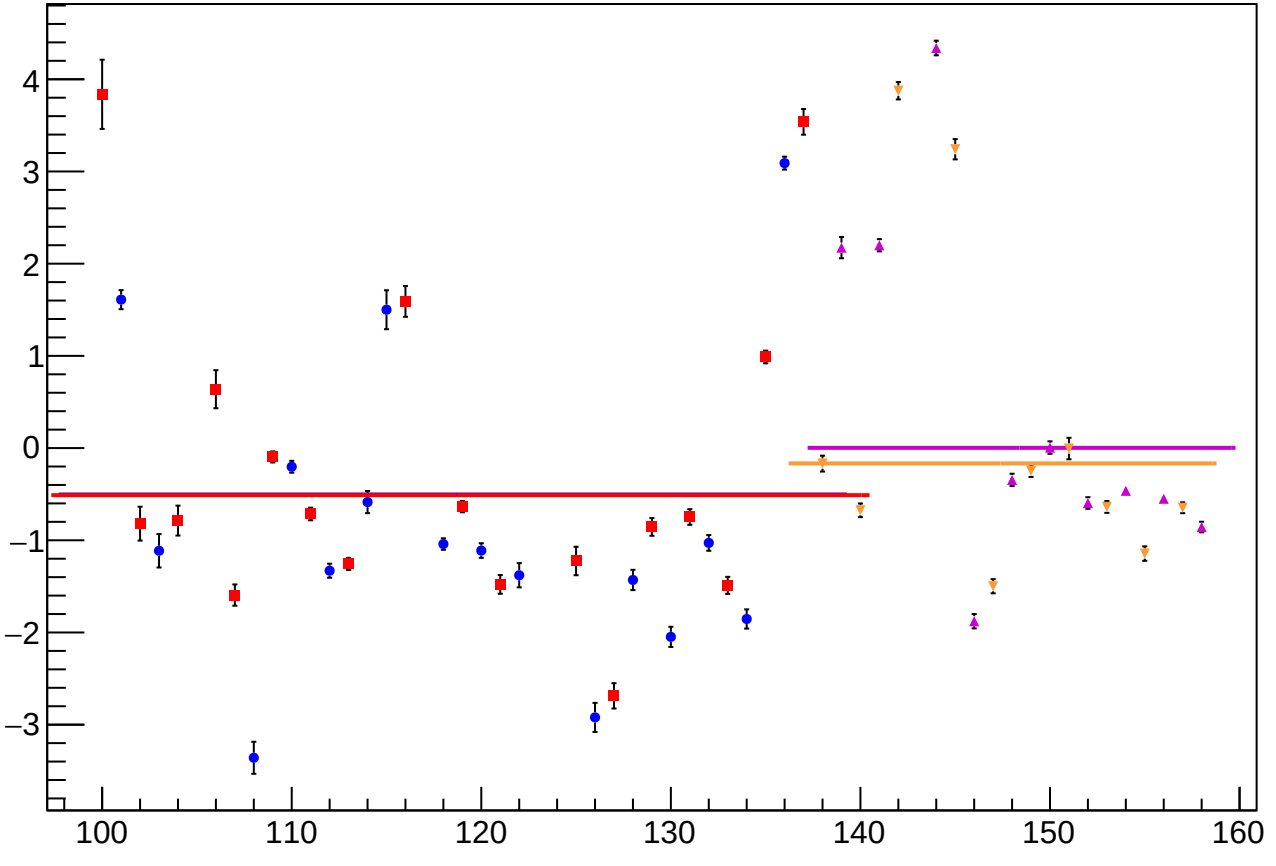
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.505+/-0.016 χ^2/NDF:197575.6/25

Out: -0.800+/-0.017 χ^2/NDF:190508.1/27

All: -0.647+/-0.011 χ^2/NDF: 388249.4/53

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: -0.166+/-0.024 χ^2/NDF:3419.6/9

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.003+/-0.019 χ^2/NDF:5628.7/9

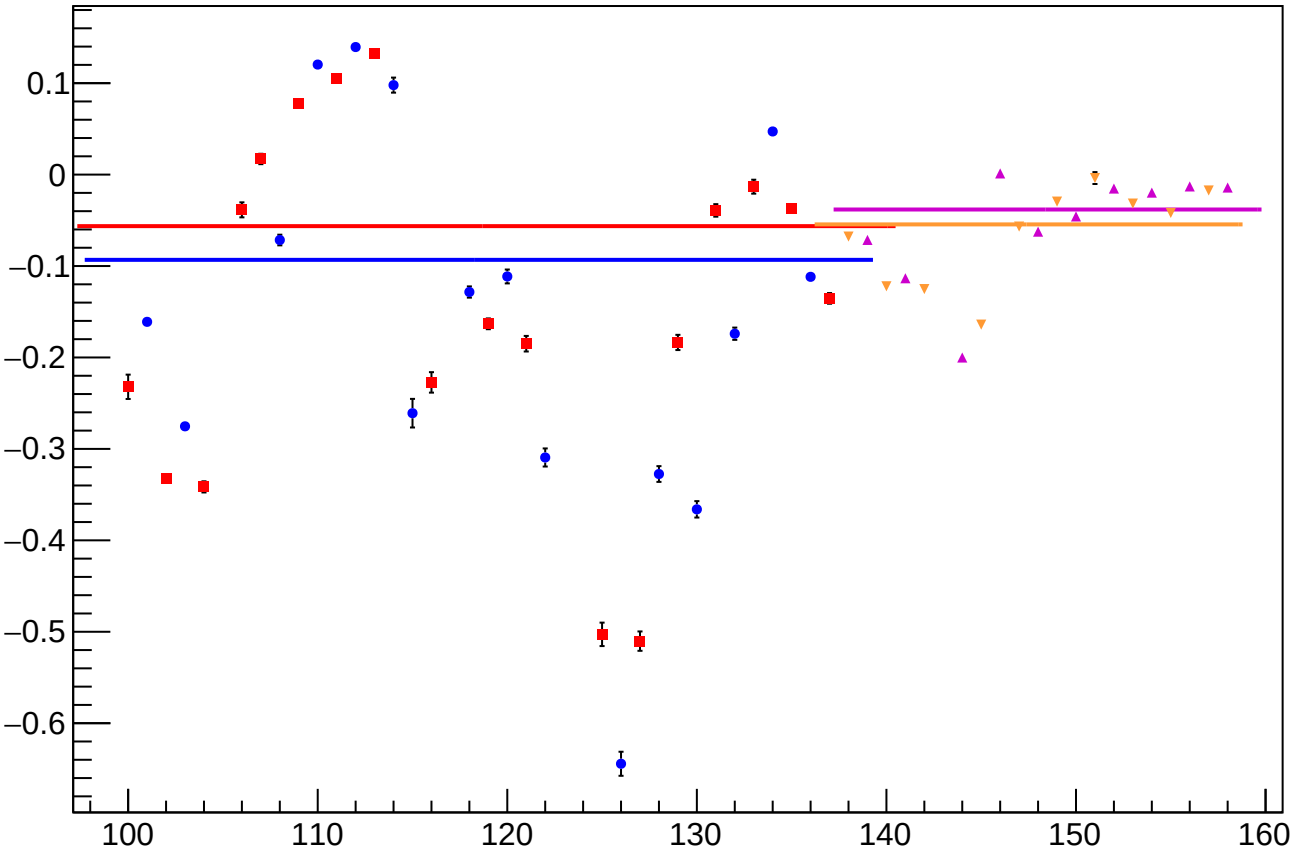
Left: -0.062+/-0.015 χ^2/NDF: 9077.7/19

Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.198+/-0.015 χ^2/NDF:10350.9/25

Out: -0.355+/-0.016 χ^2/NDF:5952.0/27

All: -0.269+/-0.011 χ^2/NDF: 16352.3/53



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.054+/-0.001 χ^2/NDF:1680.3/9

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.038+/-0.001 χ^2/NDF:2828.9/9

Left: -0.044+/-0.001 χ^2/NDF: 4661.0/19

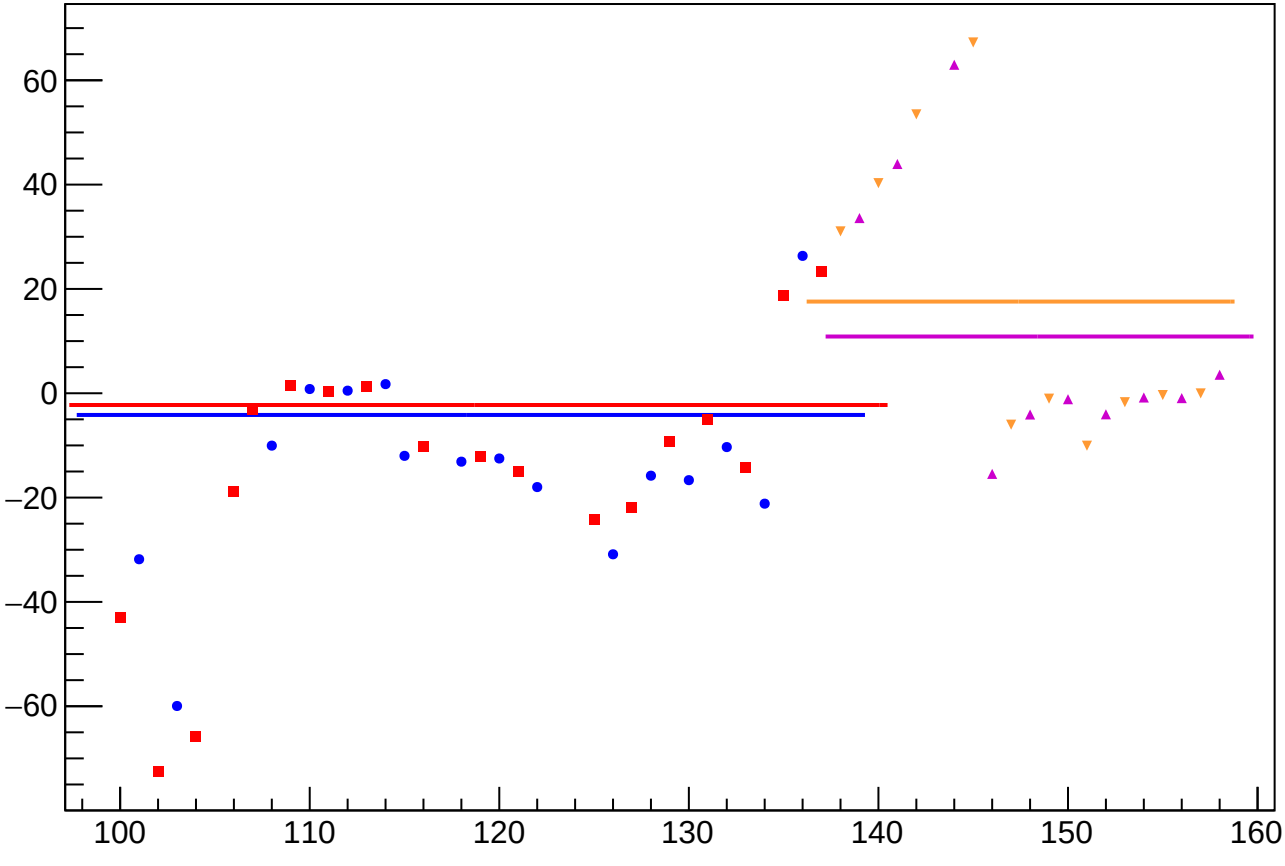
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.052+/-0.001 χ^2/NDF:15713.3/25

Out: -0.055+/-0.001 χ^2/NDF:16139.0/27

All: -0.053+/-0.001 χ^2/NDF: 31862.6/53

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: 17.577+/-0.084 χ^2/NDF:76206.2/9

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 10.878+/-0.069 χ^2/NDF:99210.1/9

Left: 13.546+/-0.053 χ^2/NDF: 179200.6/19

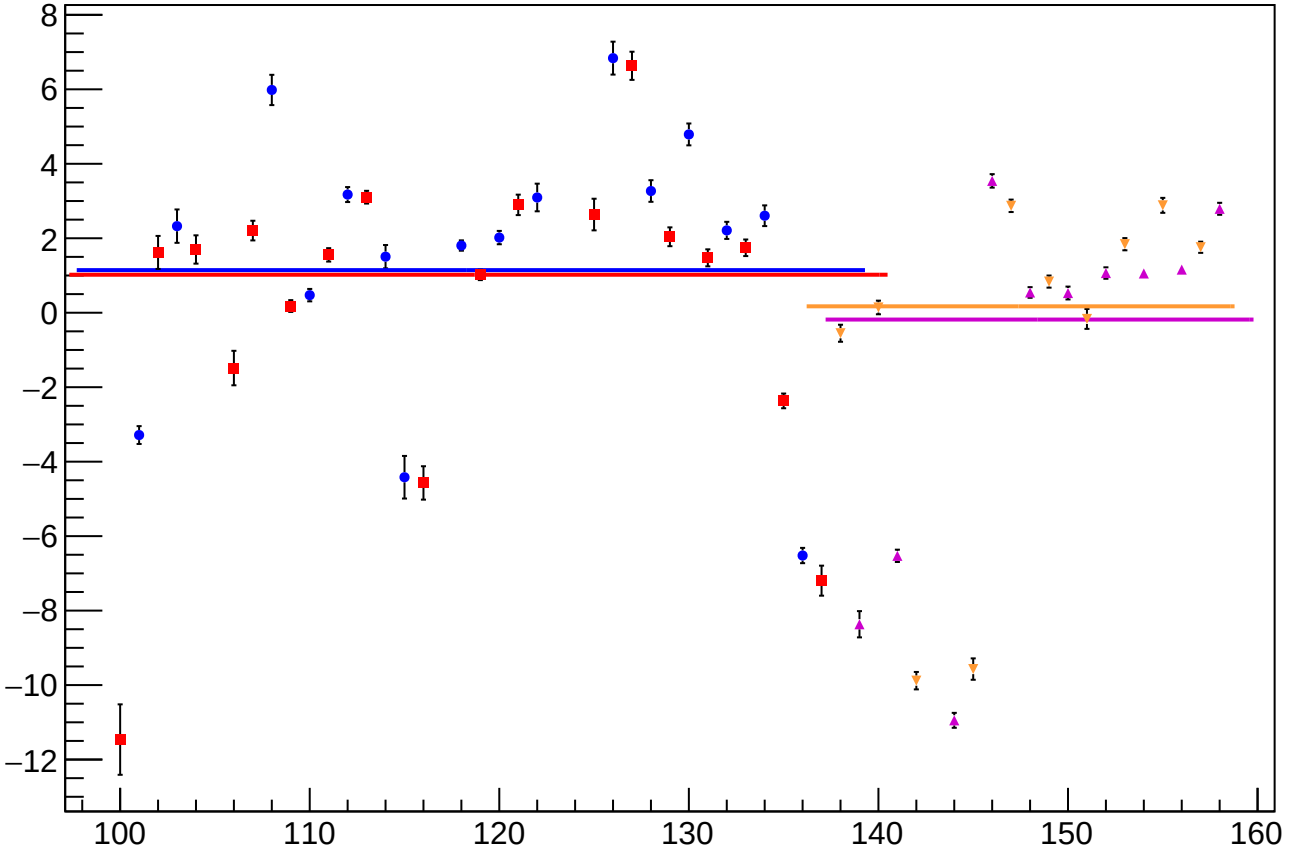
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 1.630+/-0.043 χ^2/NDF:204069.6/25

Out: 2.279+/-0.040 χ^2/NDF:198355.8/27

All: 1.972+/-0.029 χ^2/NDF: 402547.4/53

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: 0.172+/-0.061 χ^2/NDF:3680.4/9

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -0.183+/-0.048 χ^2/NDF:6047.7/9

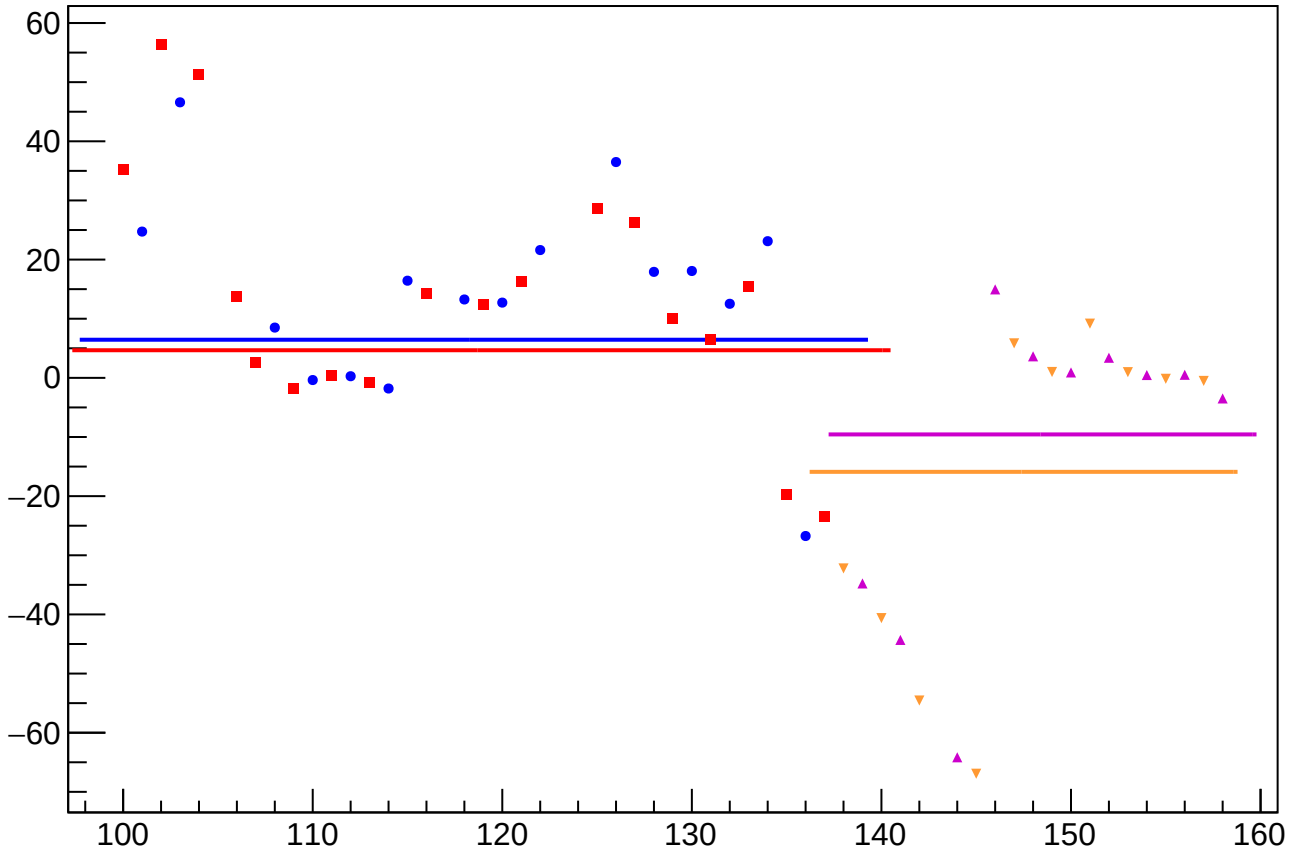
Left: -0.047+/-0.038 χ^2/NDF: 9749.3/19

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.331+/-0.037 χ^2/NDF:8941.7/25

Out: 0.621+/-0.042 χ^2/NDF:5375.5/27

All: 0.461+/-0.028 χ^2/NDF: 14344.2/53



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -15.891+/-0.082 χ^2/NDF:77658.6/9

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -9.563+/-0.066 χ^2/NDF:100228.8/9

Left: -12.034+/-0.051 χ^2/NDF: 181515.6/19

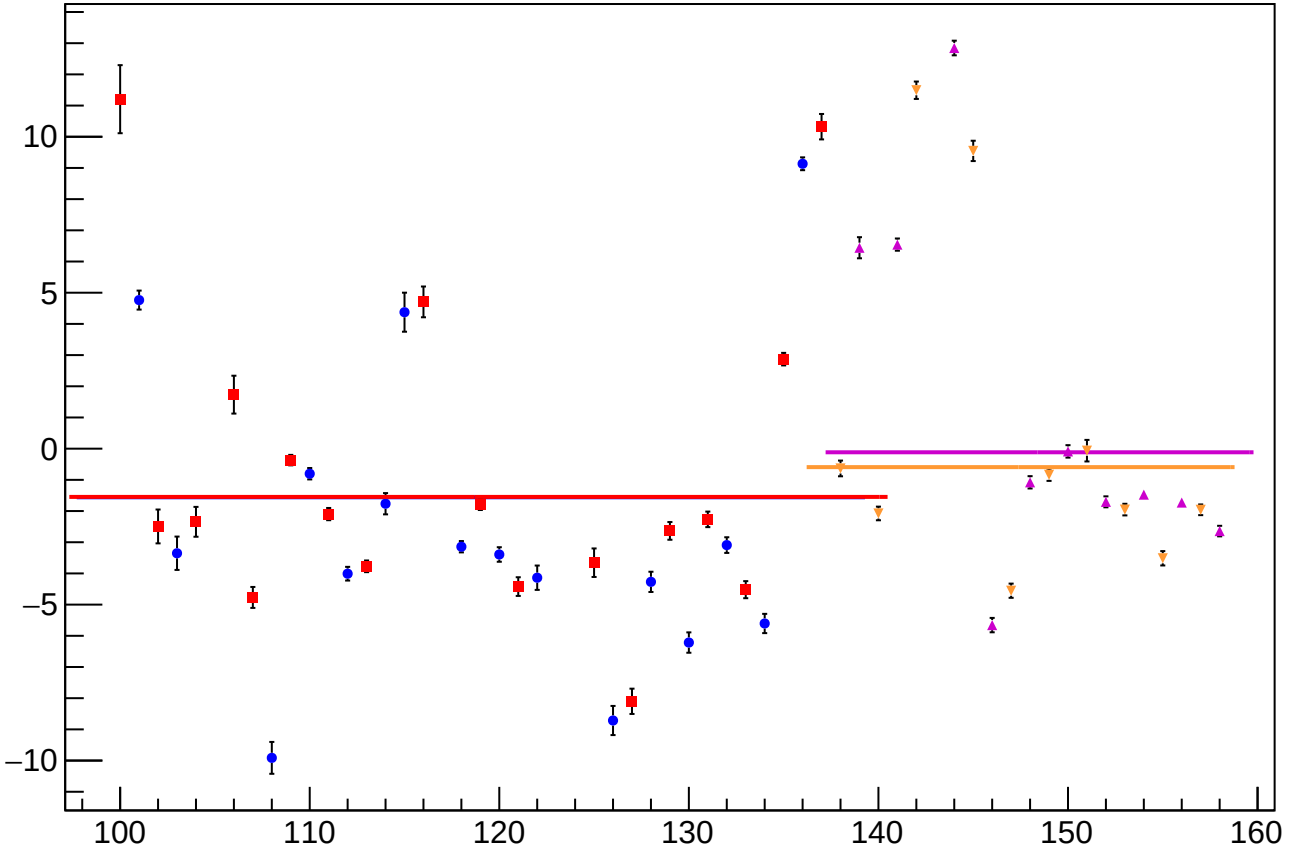
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -1.464+/-0.046 χ^2/NDF:201131.5/25

Out: -2.344+/-0.048 χ^2/NDF:193499.4/27

All: -1.887+/-0.033 χ^2/NDF: 394805.7/53

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: -0.592+/-0.072 χ^2/NDF:3475.3/9

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.116+/-0.056 χ^2/NDF:5772.1/9

Left: -0.295+/-0.044 χ^2/NDF: 9274.9/19

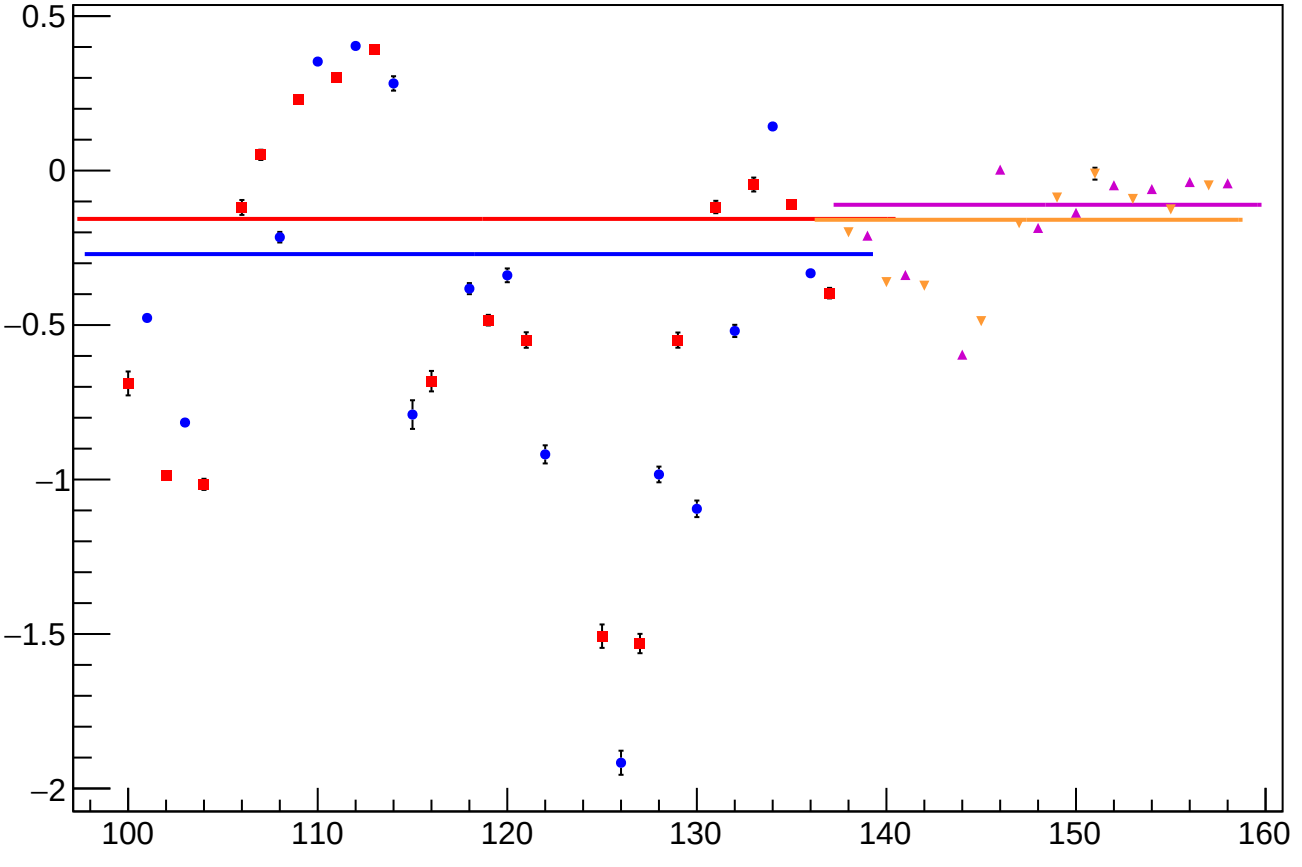
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.682+/-0.043 χ^2/NDF:10578.9/25

Out: -1.120+/-0.048 χ^2/NDF:6043.3/27

All: -0.879+/-0.032 χ^2/NDF: 16668.1/53

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.159+/-0.003 χ^2/NDF:1727.3/9

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.111+/-0.002 χ^2/NDF:2907.9/9

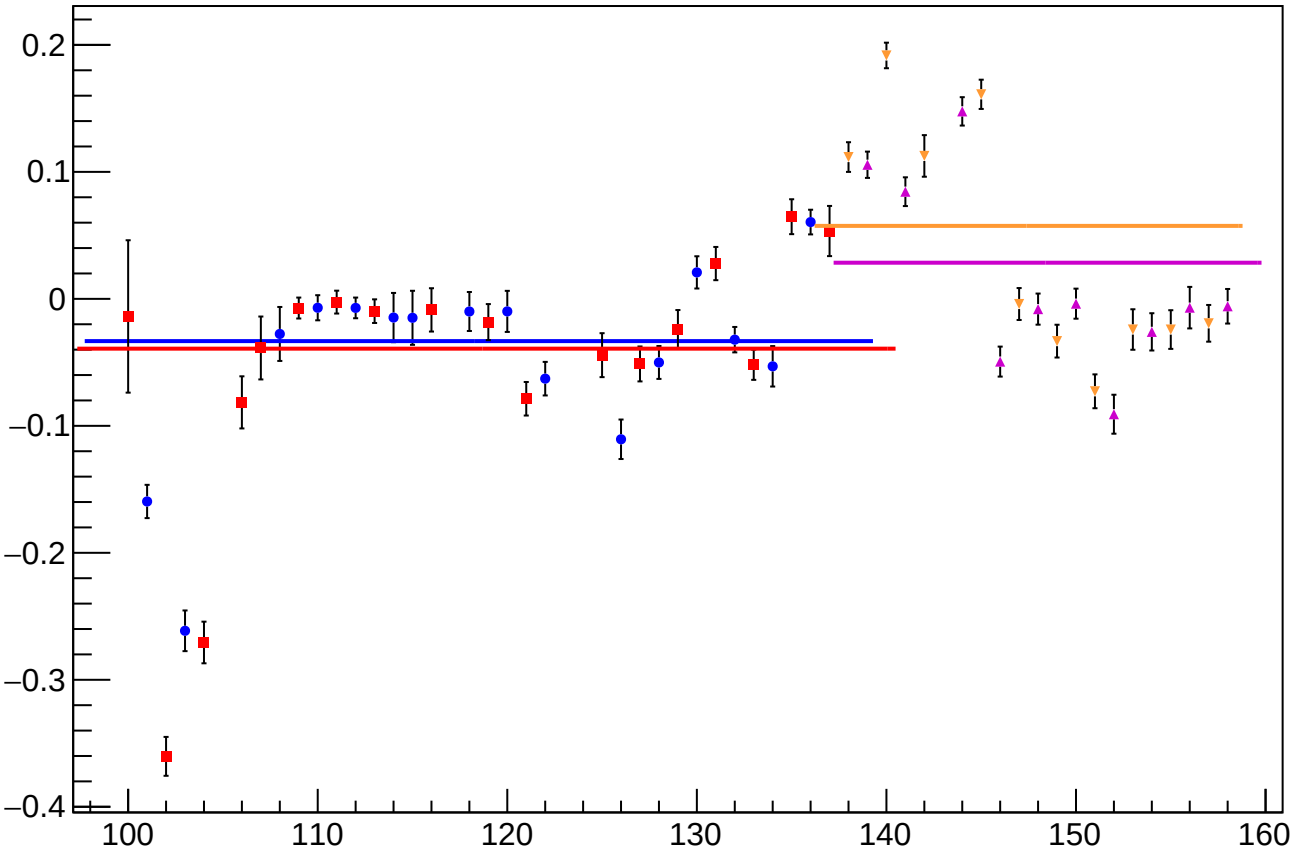
Left: -0.129+/-0.002 χ^2/NDF: 4794.1/19

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.149+/-0.002 χ^2/NDF:16134.3/25

Out: -0.158+/-0.002 χ^2/NDF:16757.7/27

All: -0.153+/-0.002 χ^2/NDF: 32900.0/53



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.057+/-0.004 χ^2/NDF:543.4/9

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.028+/-0.004 χ^2/NDF:338.8/9

Left: 0.042+/-0.003 χ^2/NDF: 908.1/19

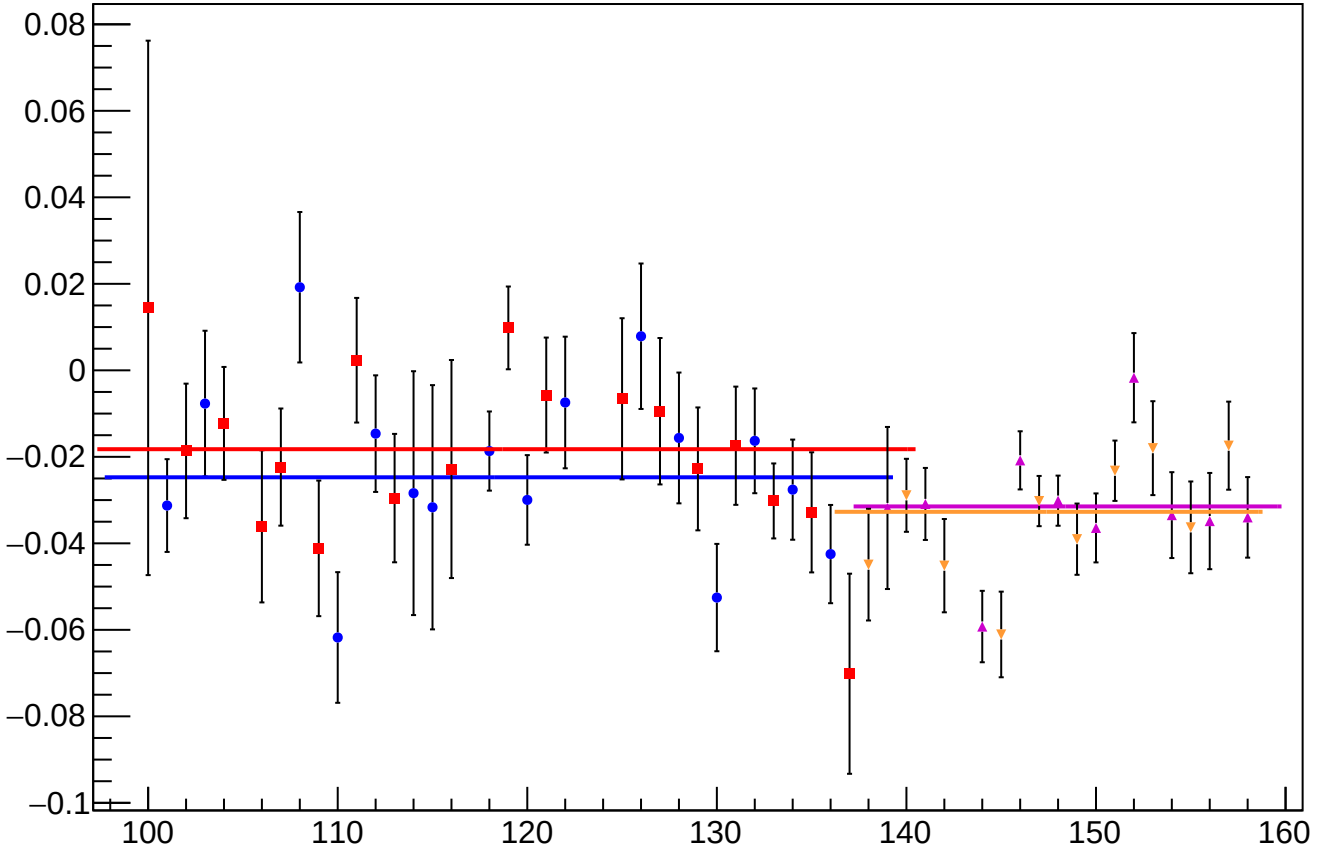
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.002 χ^2/NDF:949.3/25

Out: -0.003+/-0.003 χ^2/NDF:1697.8/27

All: -0.006+/-0.002 χ^2/NDF: 2649.7/53

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.033+/-0.003 χ^2/NDF:17.5/9

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.003 χ^2/NDF:22.8/9

Left: -0.032+/-0.002 χ^2/NDF: 40.4/19

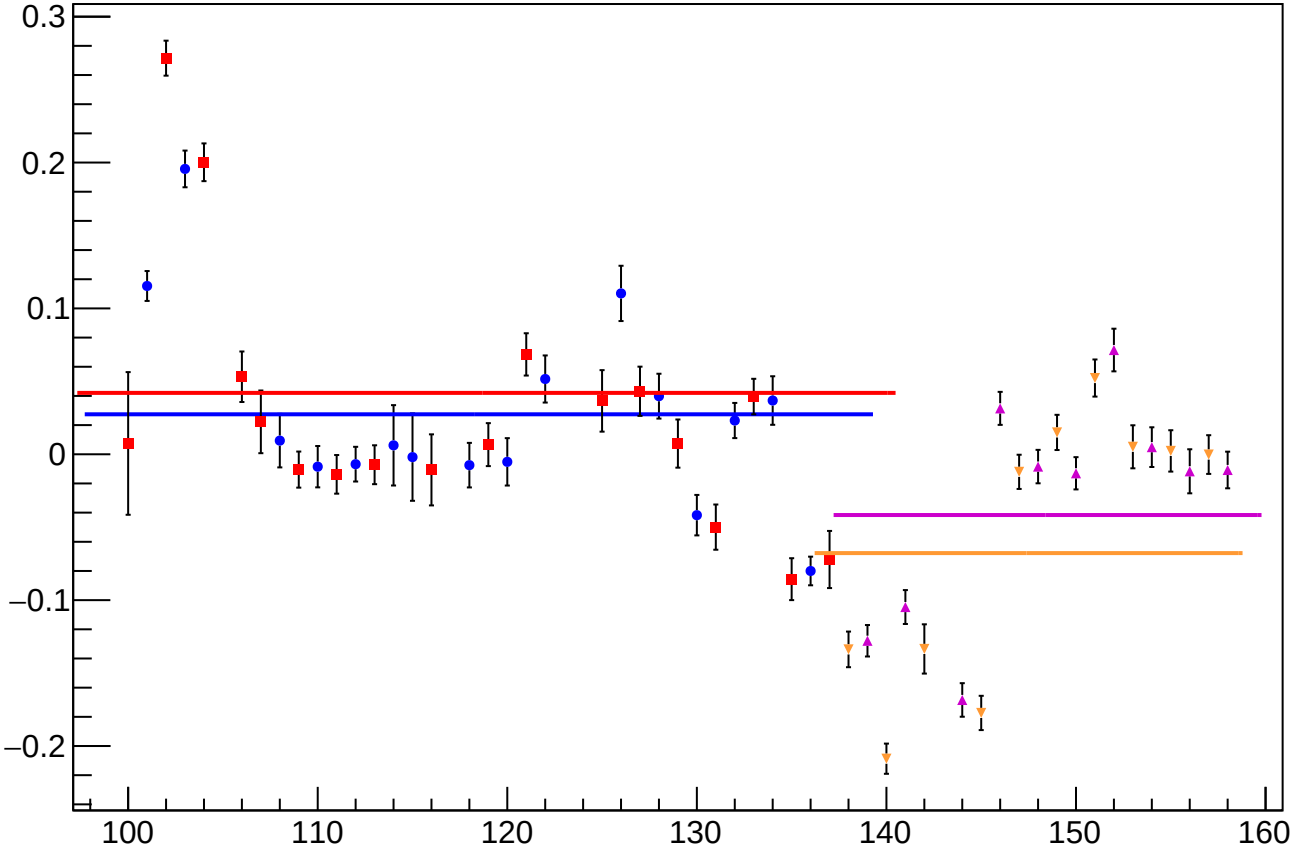
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:53.8/25

Out: -0.027+/-0.002 χ^2/NDF:53.2/27

All: -0.028+/-0.001 χ^2/NDF: 107.4/53

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: -0.068+/-0.004 χ^2/NDF:550.0/9

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.042+/-0.004 χ^2/NDF:353.2/9

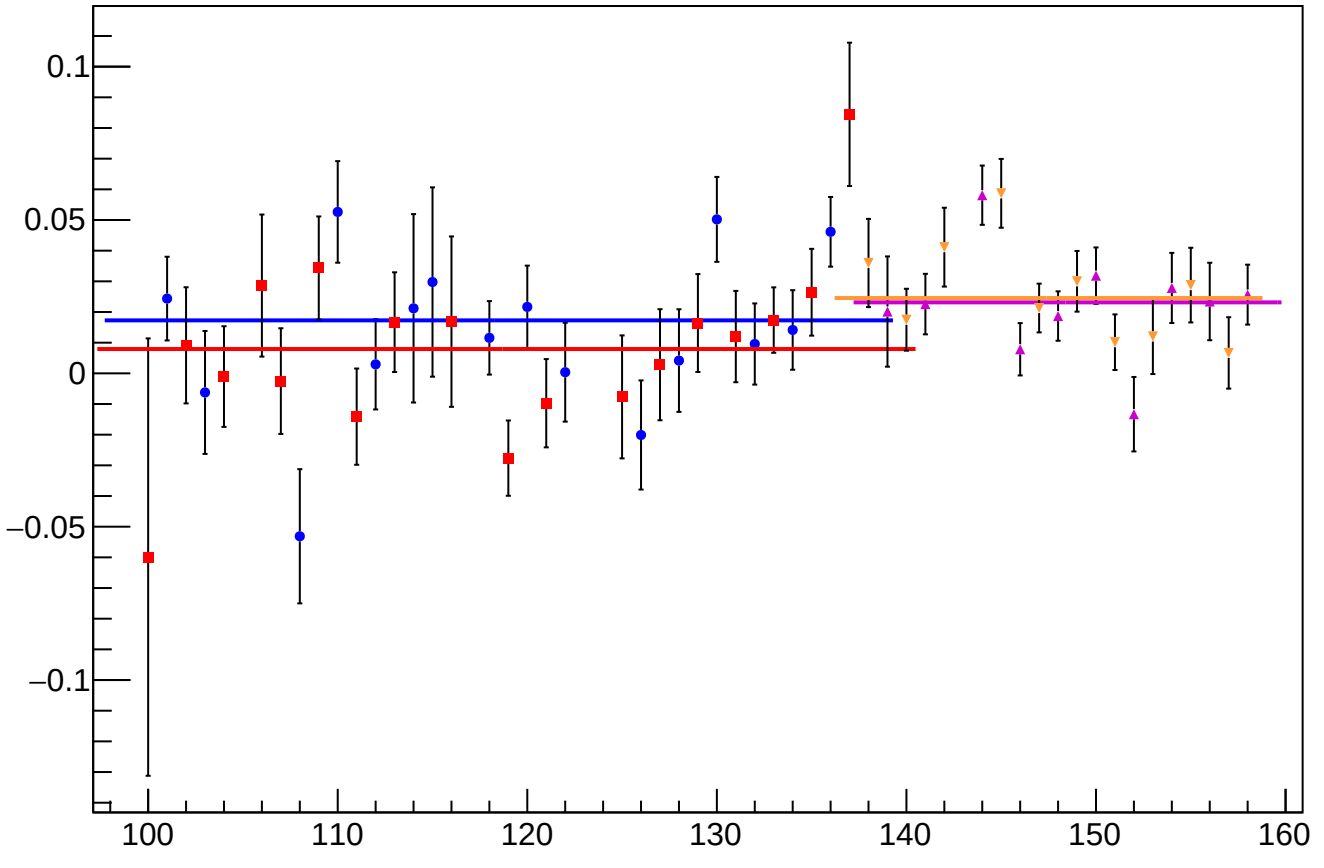
Left: -0.054+/-0.003 χ^2/NDF: 925.3/19

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.005+/-0.003 χ^2/NDF:972.7/25

Out: -0.008+/-0.003 χ^2/NDF:1695.3/27

All: -0.006+/-0.002 χ^2/NDF: 2668.6/53



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.025+/-0.003 χ^2/NDF:18.6/9

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.023+/-0.003 χ^2/NDF:26.8/9

Left: 0.024+/-0.002 χ^2/NDF: 45.5/19

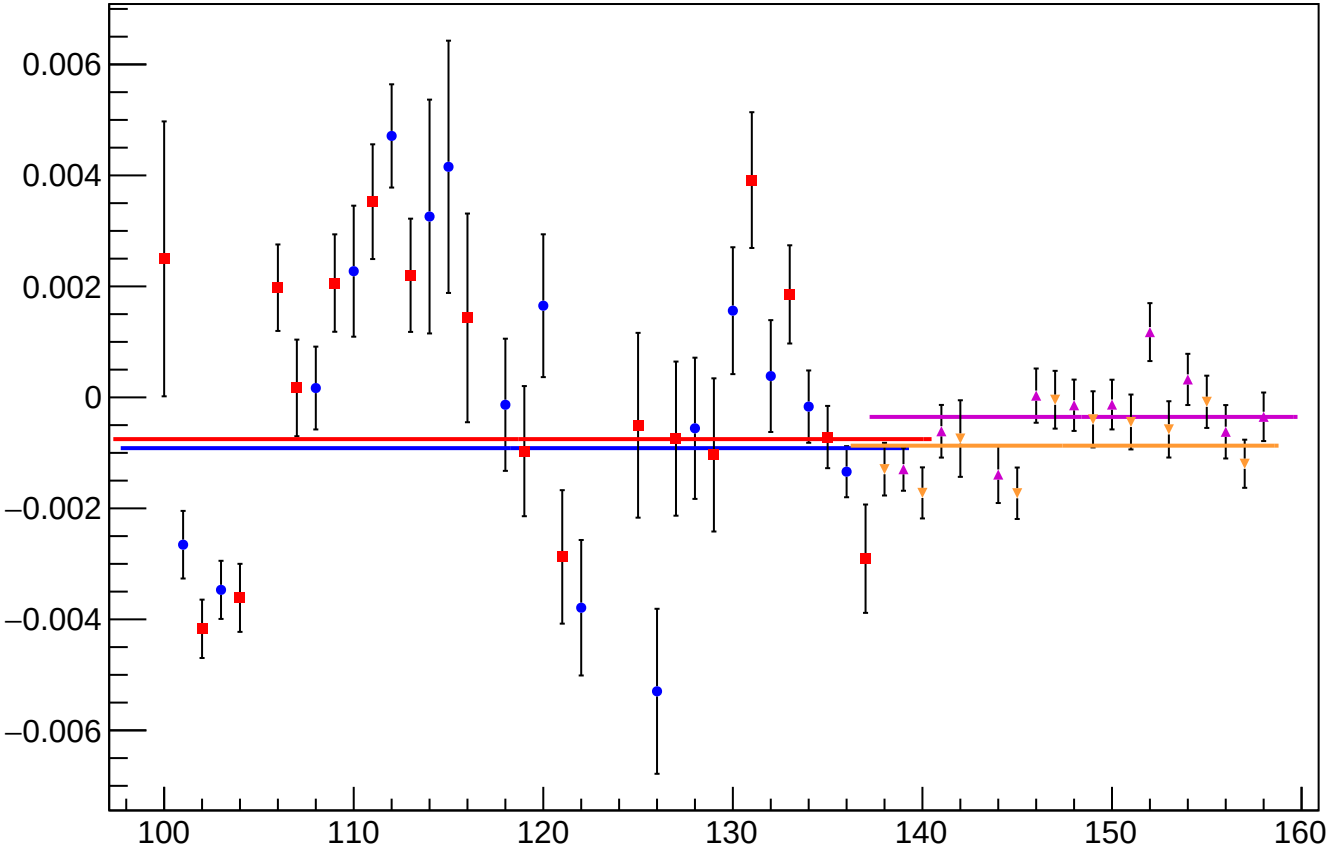
Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.021+/-0.002 χ^2/NDF:64.8/25

Out: 0.017+/-0.003 χ^2/NDF:60.3/27

All: 0.019+/-0.002 χ^2/NDF: 126.0/53

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:15.5/9

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:22.4/9

Left: -0.001+/-0.000 χ^2/NDF: 43.8/19

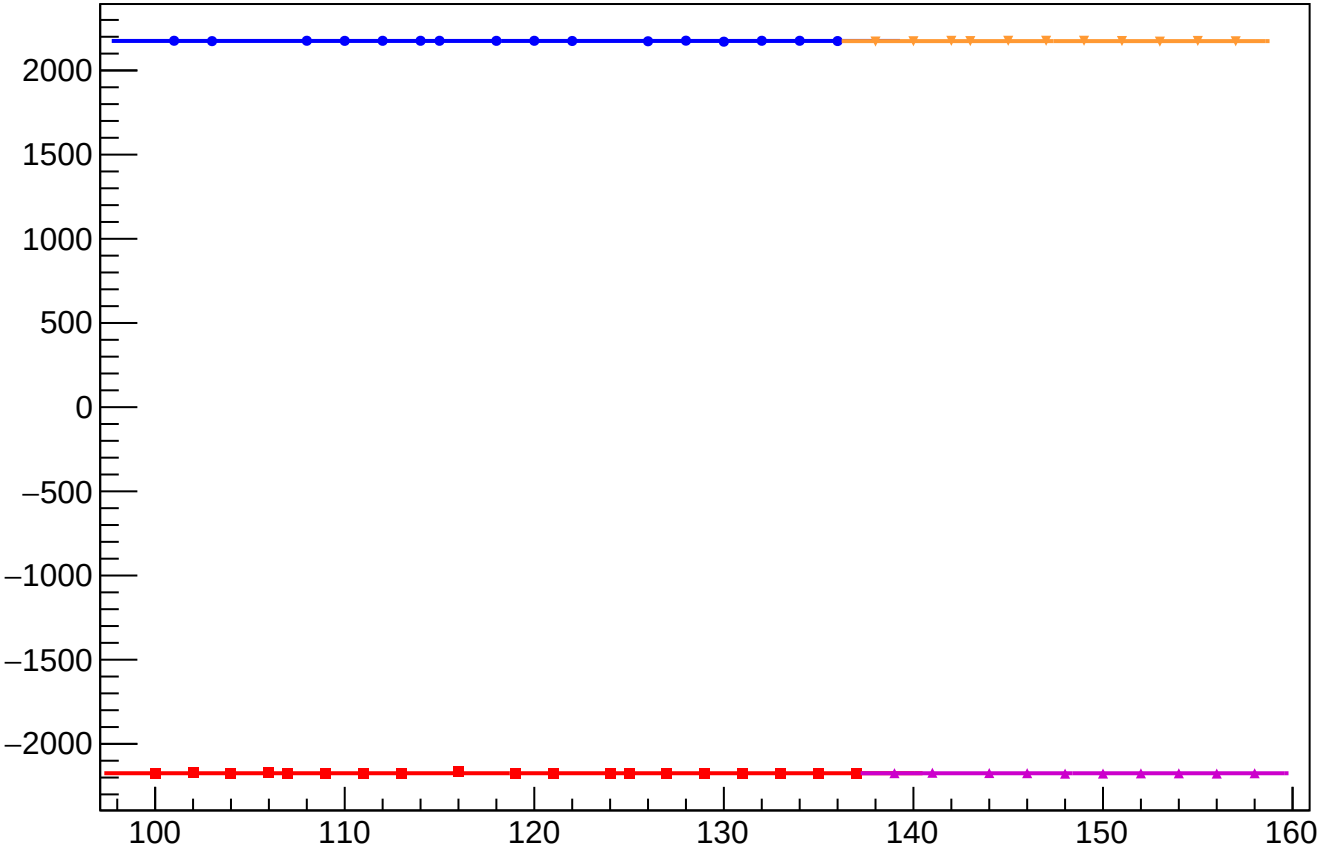
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:141.2/25

Out: -0.001+/-0.000 χ^2/NDF:163.3/27

All: -0.001+/-0.000 χ^2/NDF: 307.4/53

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.200+/-0.000 χ^2/NDF:2802719302615784283174965658779648.0/10

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.491+/-0.000 χ^2/NDF:219447033903628173611521503186 1248.0/9

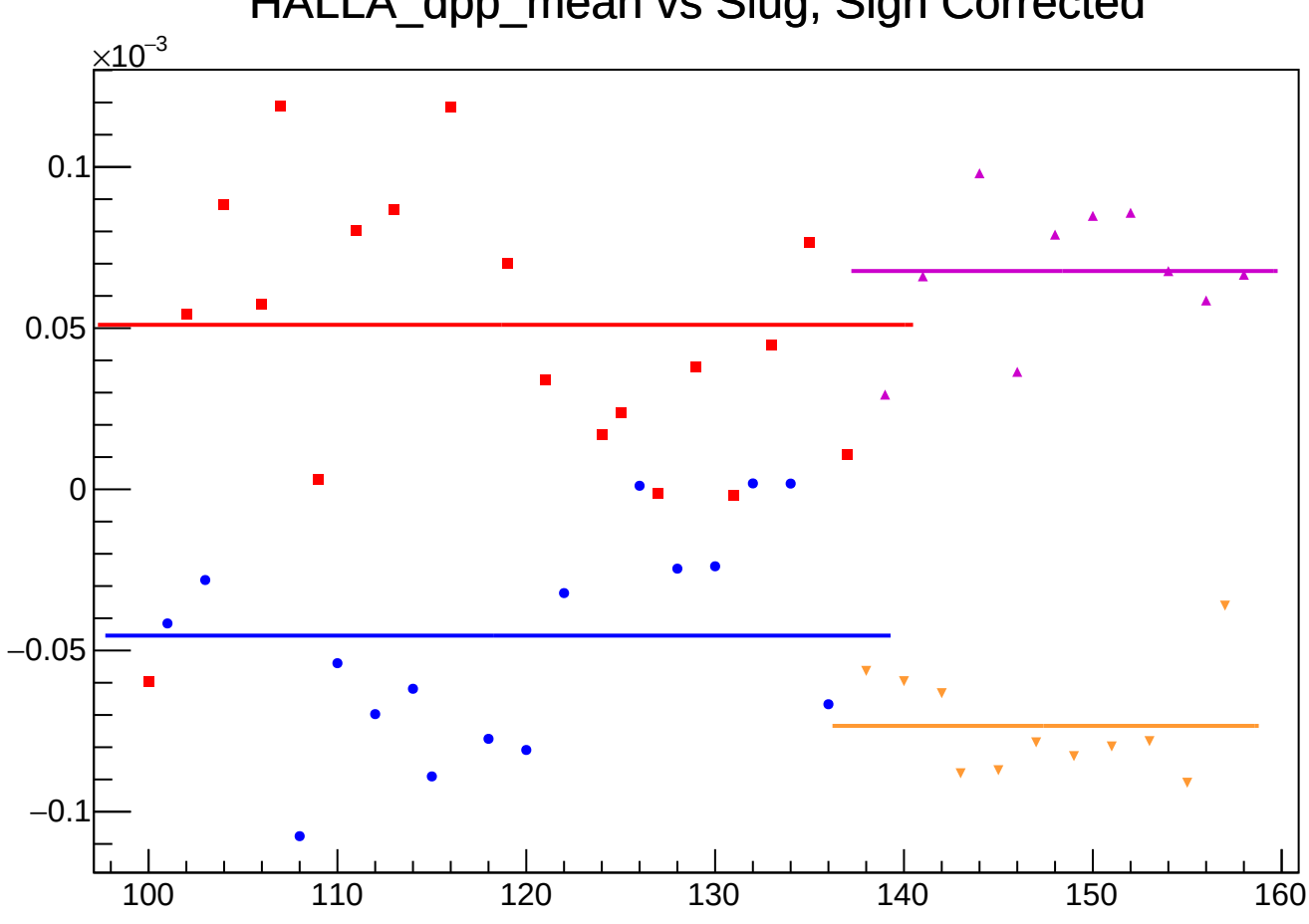
Left: -0.145+/-0.000 χ^2/NDF: 85478302580691957

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

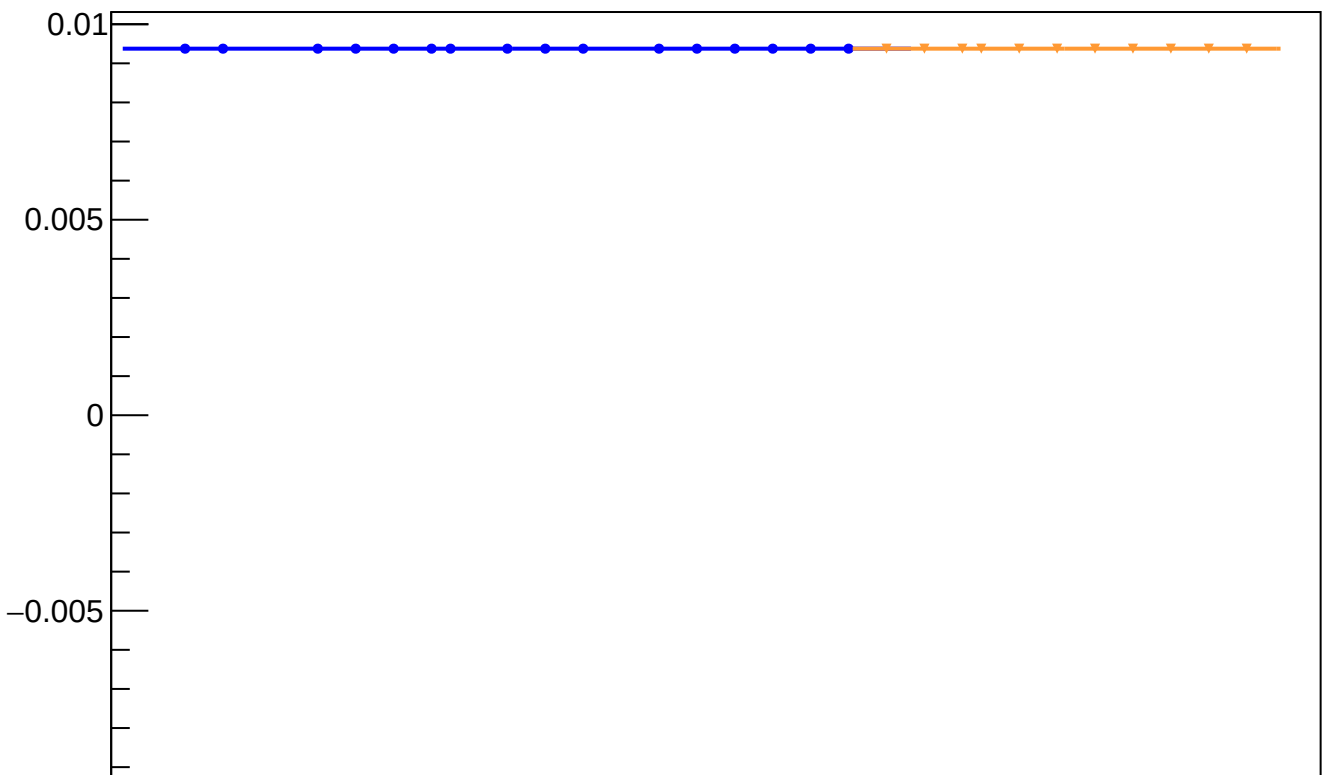
In: -215.147+/-0.000 χ^2/NDF:7704385164664709

Out: 183.844+/-0.000 χ^2/NDF:7824230391131474

All: -14.326+/-0.000 χ^2/NDF: 156604219490


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:2382853985923916239994880.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:3757526749889449301114880.0/9
Left: -0.000+/-0.000 χ²/NDF: 961289825543706360
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:6297720213091181349
Out: -0.000+/-0.000 χ²/NDF:765467167399591
All: 0.000+/-0.000 χ²/NDF: 1486547970118

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:0.0/10

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

Left: 0.000+/-0.000 χ^2/NDF: 158906249999994080

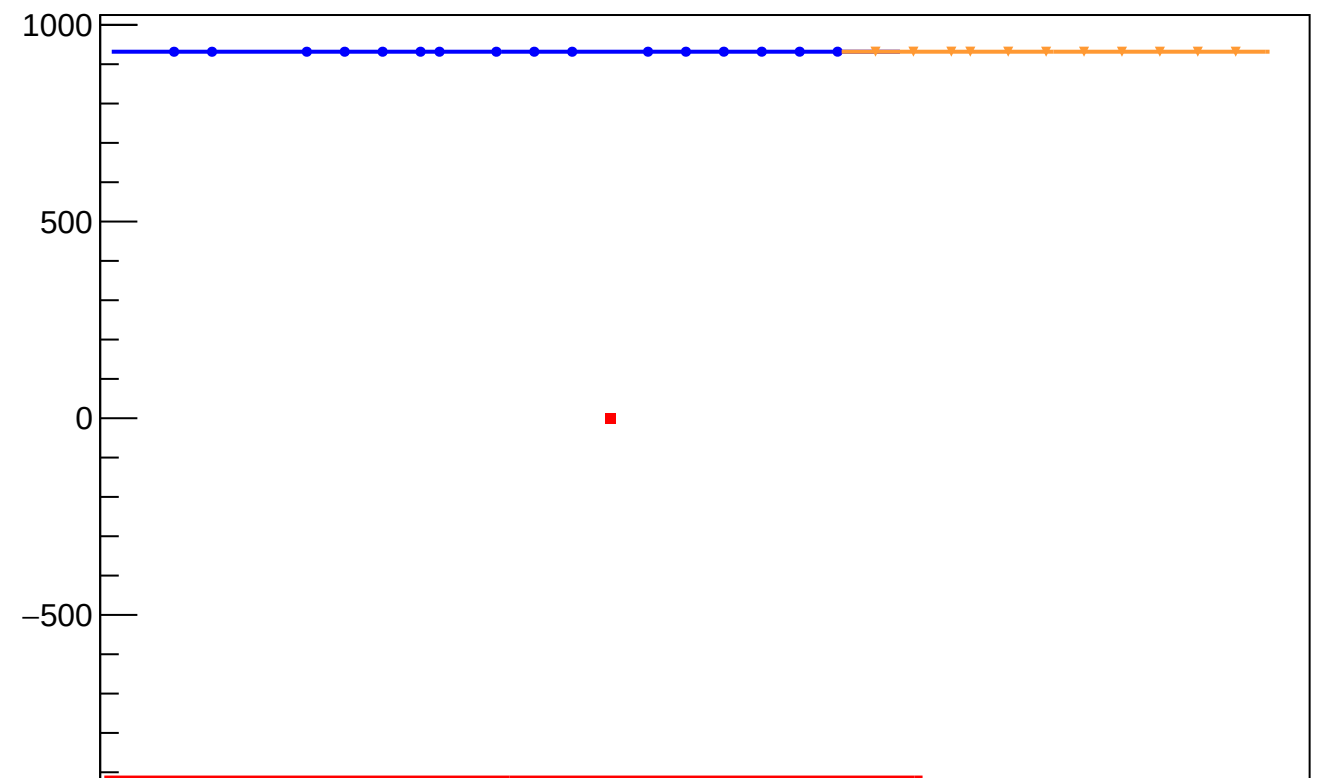
Right: -0.000+/-0.000 χ^2/NDF: 13215921604886955

In: -0.001+/-0.000 χ^2/NDF:1431605243161090920

Out: 0.001+/-0.000 χ^2/NDF:145465469406118489

All: -0.000+/-0.000 χ^2/NDF: 2910809060801

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.791+/-0.000 χ^2/NDF:385821310004609800918526643404 8.0/10

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.776+/-0.000 χ^2/NDF:351061785889417209076390245171 2.0/9

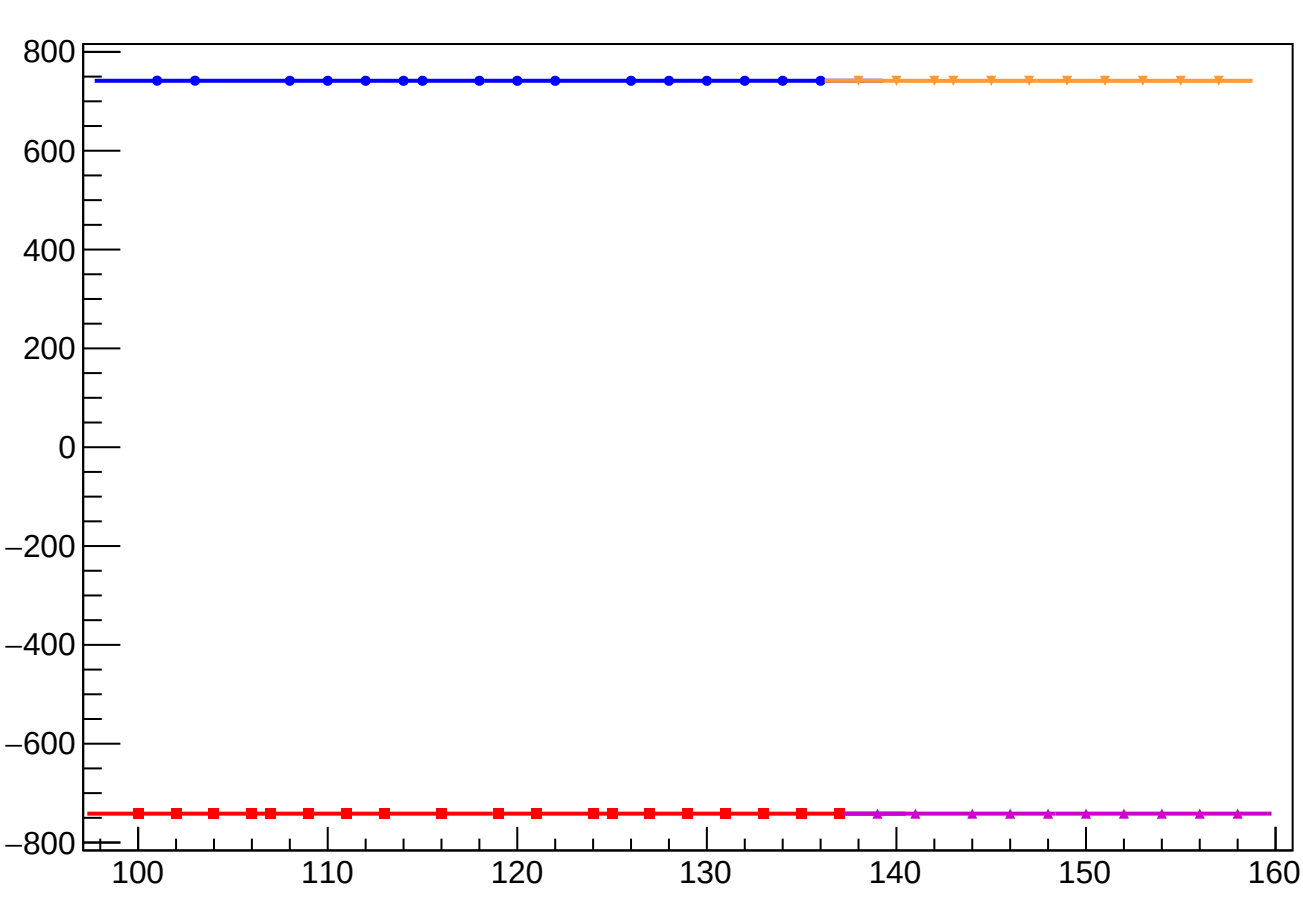
Left: 0.007+/-0.000 χ^2/NDF: 156974343662066354

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

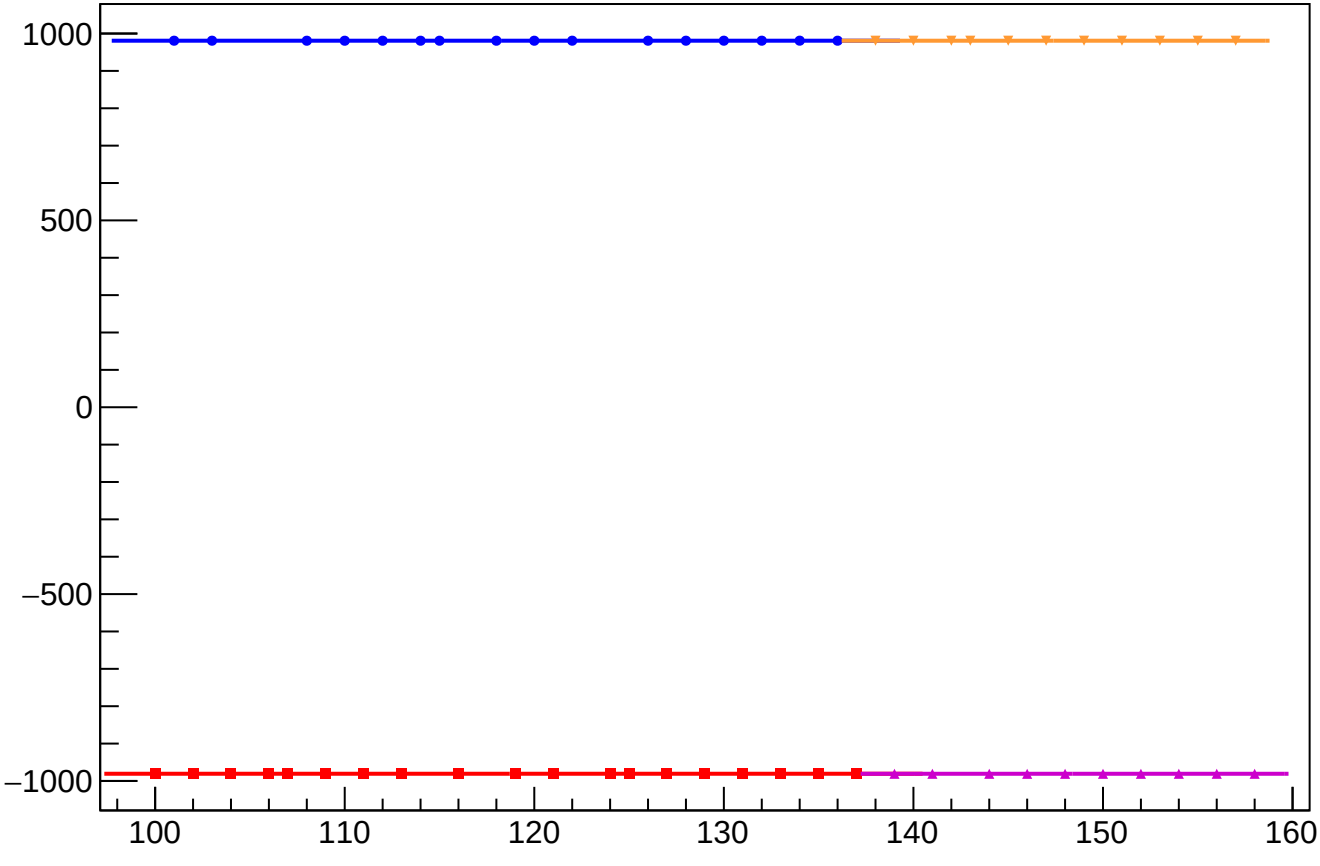
In: -92.331+/-0.000 χ^2/NDF:14141669736039101

Out: 87.210+/-0.000 χ^2/NDF:1421607592991780 5

All: -1.964+/-0.000 χ^2/NDF: 286246403517 8


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Left: 0.000+/-0.000 χ²/NDF: 994130585377671453
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
Left Out: 741.520+/-0.000 χ²/NDF:95901848809286484217837912064.0/10
In: -73.453+/-0.000 χ²/NDF:8956833729725812
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761 5616.0/18
Out: 62.694+/-0.000 χ²/NDF:91011481547494484
Left In: -741.519+/-0.000 χ²/NDF:92266527285633119534333296640.0/9
All: -4.928+/-0.000 χ²/NDF: 182114537428 5

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.776+/-0.000 χ^2/NDF:57464162301872743169231159296O.0/10

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

Left In: -980.787+/-0.000 χ^2/NDF:109634526793541328385176554700 8.0/9

Left: -0.005+/-0.000 χ^2/NDF: 17391738928600072

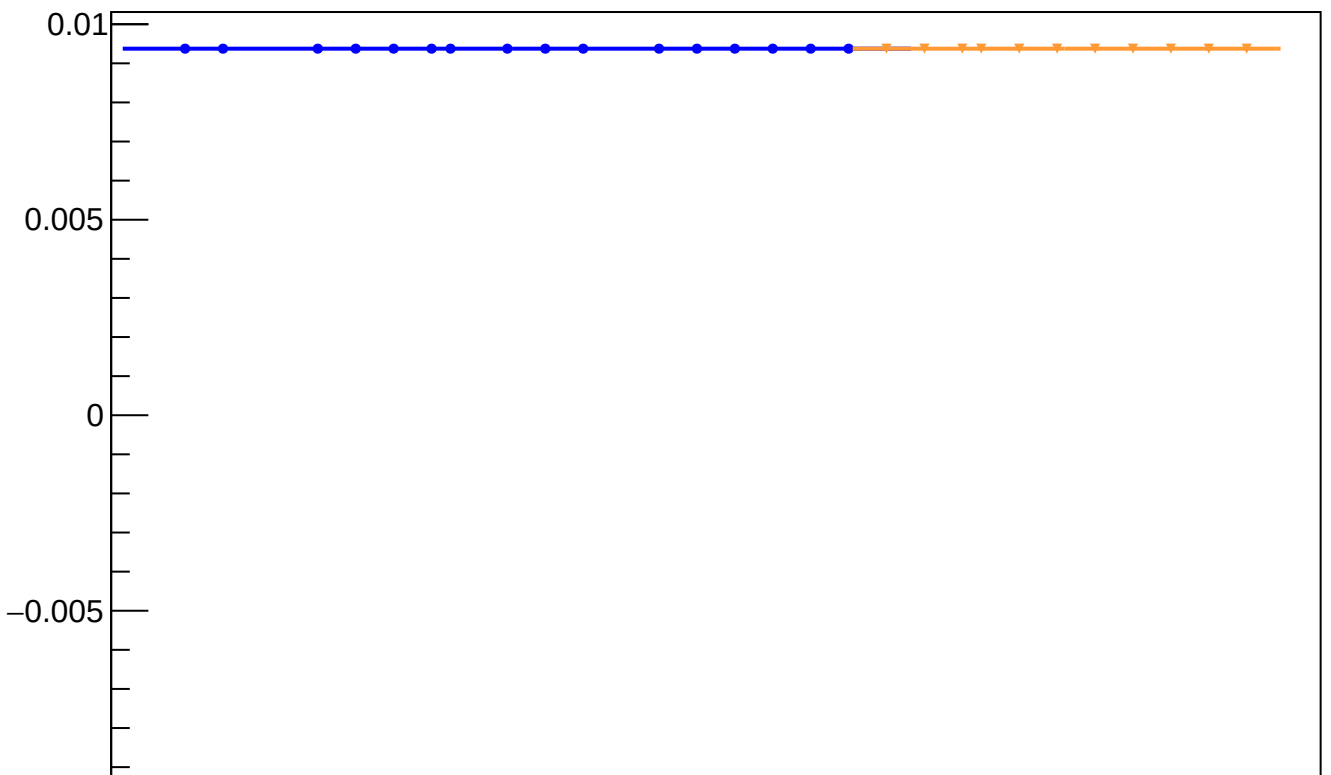
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -97.177+/-0.000 χ^2/NDF:15668868309691804

Out: 82.981+/-0.000 χ^2/NDF:15919680502767427

All: -6.500+/-0.000 χ^2/NDF: 3185727821044

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:0.0/10

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

Left: 0.000+/-0.000 χ^2/NDF: 158906249999999408

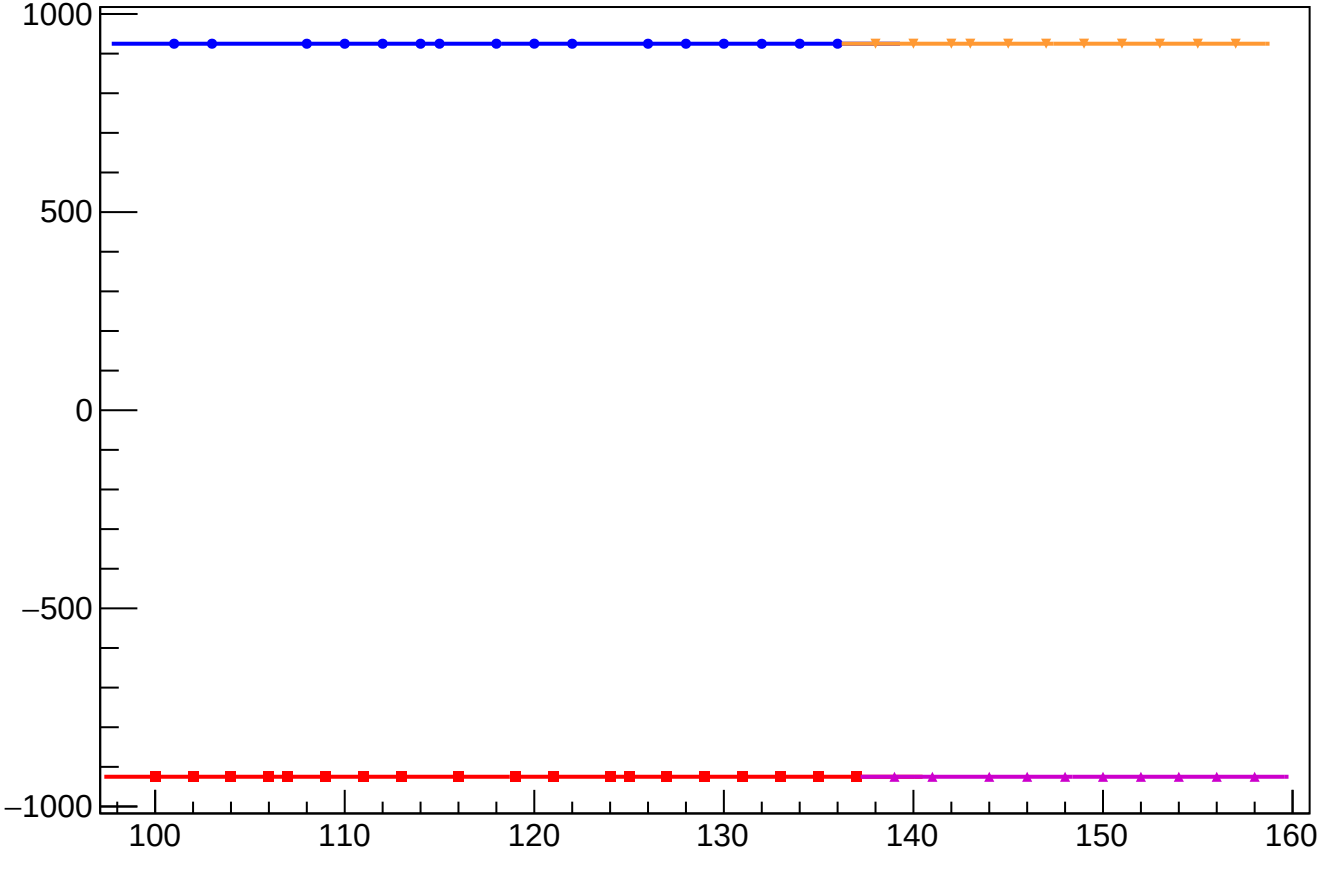
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:145465469406118489

All: -0.000+/-0.000 χ^2/NDF: 2910809060801

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.996+/-0.000 χ^2/NDF:539693346637185217167362097152.0/10

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.995+/-0.000 χ^2/NDF:473453777159763931692972113920.0/9

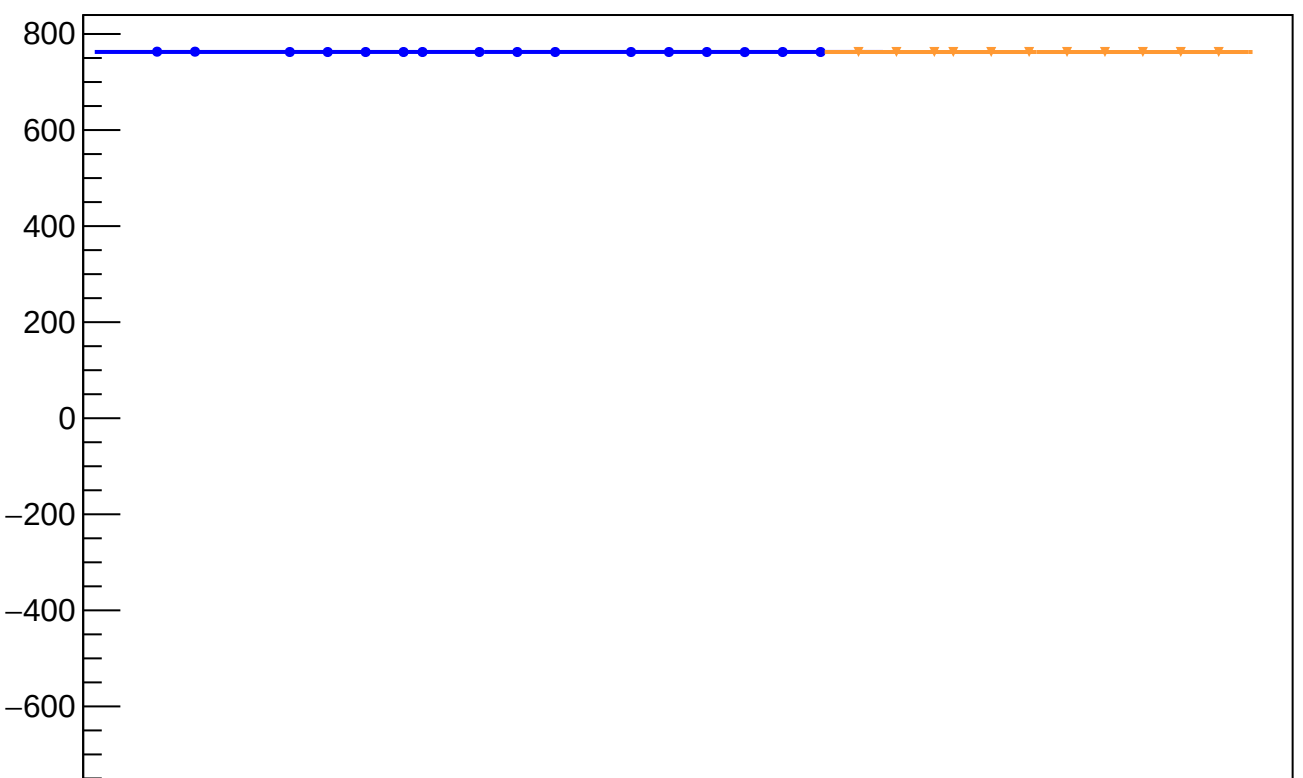
Left: 0.000+/-0.000 χ^2/NDF: 154695478982270886

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -91.669+/-0.000 χ^2/NDF:1393625453428493 8

Out: 78.249+/-0.000 χ^2/NDF:14160762173346670

All: -6.146+/-0.000 χ^2/NDF: 283360674257 8



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.499+/-0.000 χ^2/NDF:8245949049635176193432590745 6.0/10

Right Out: -762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: -762.501+/-0.000 χ^2/NDF:65976535961338559041988722688.0/9

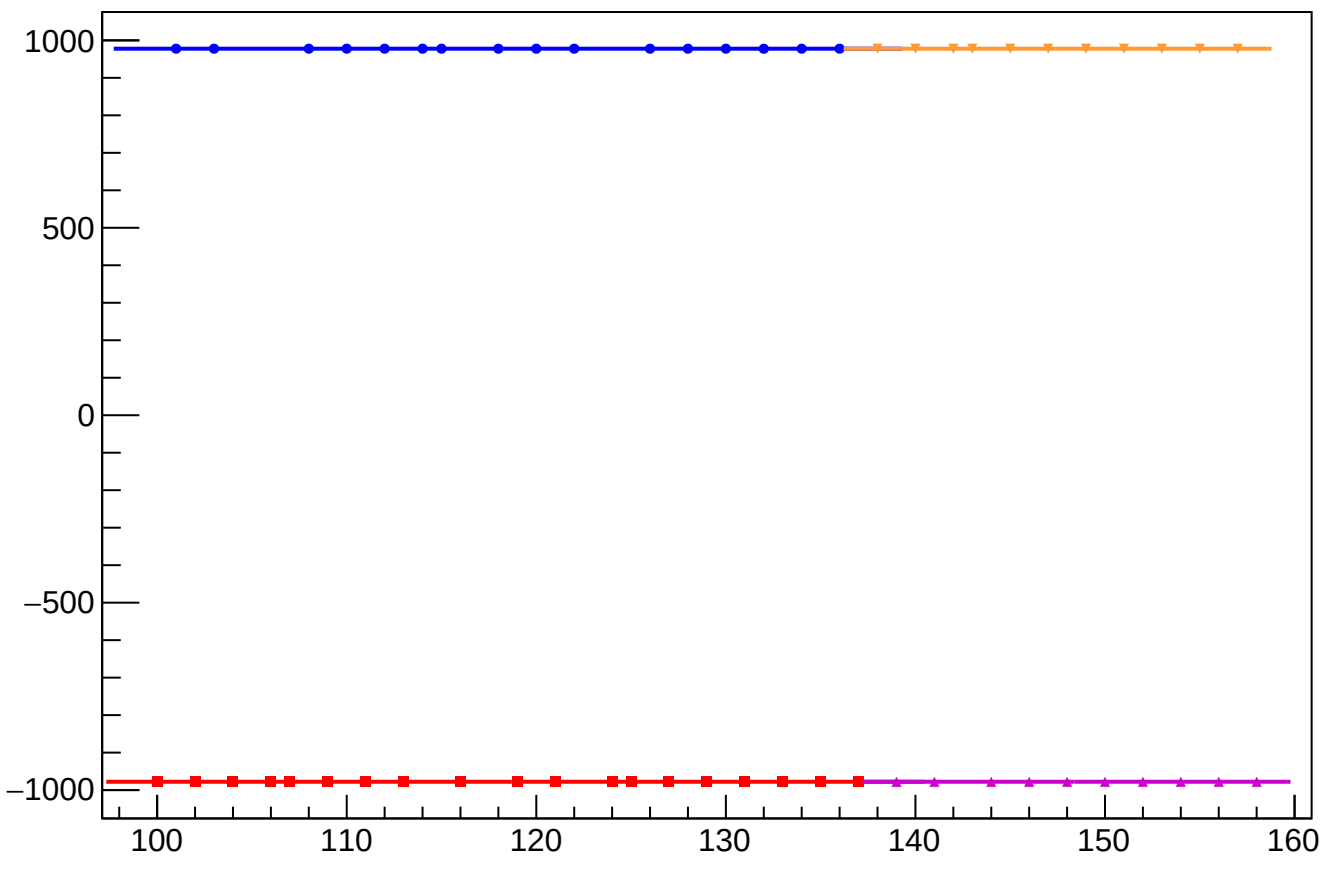
Left: -0.001+/-0.000 χ^2/NDF: 10511830327871586

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

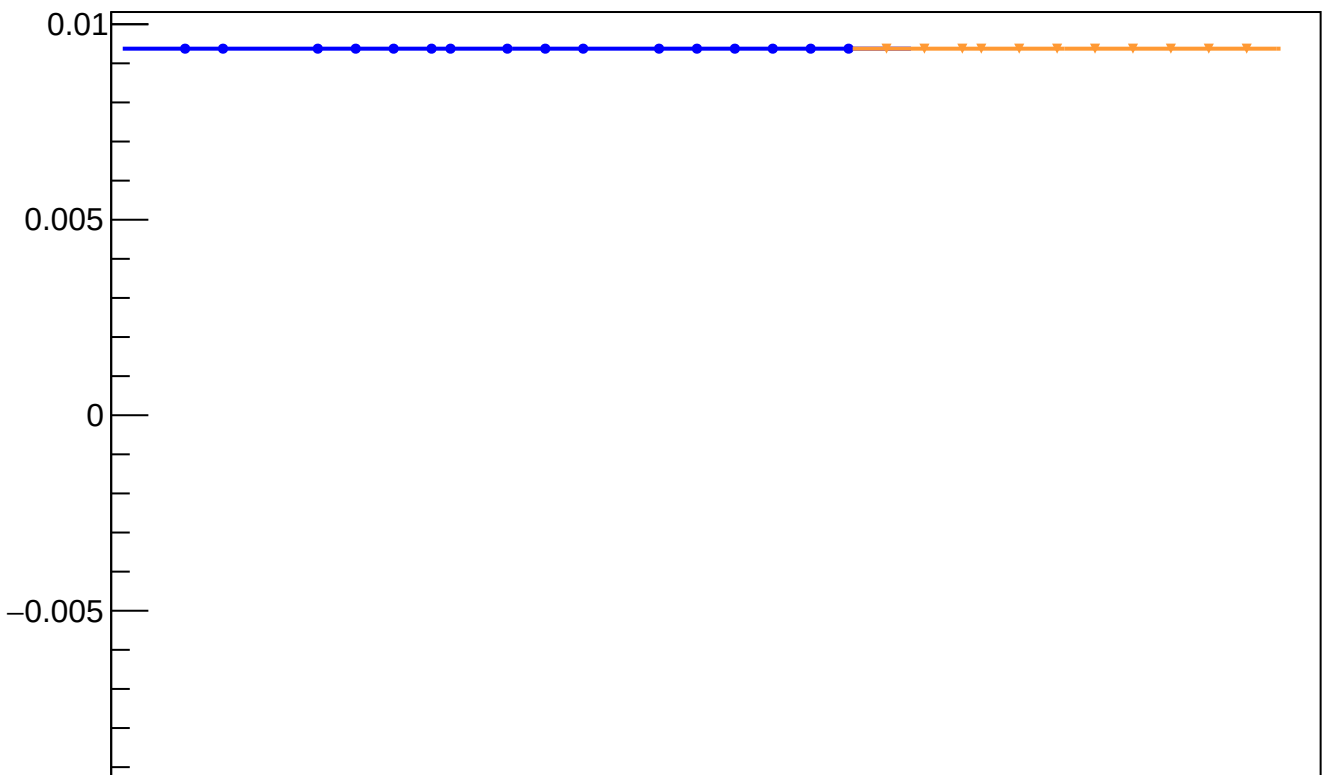
In: -75.506+/-0.000 χ^2/NDF:94716184608688433

Out: 64.440+/-0.000 χ^2/NDF:96241819309766290

All: -5.068+/-0.000 χ^2/NDF: 1925795523779


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440/15
Left Out: 977.749+/-0.000 χ²/NDF:8909026056920833393932013404160/10
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623667 2.0/18
Left In: -977.744+/-0.000 χ²/NDF:913855141672914348994272952320.0/9
Left: 0.003+/-0.000 χ²/NDF: 172842732209633572
Right: -14.301+/-0.000 χ²/NDF: 1437503779831150
In: -96.880+/-0.000 χ²/NDF:15571604039205438
Out: 82.702+/-0.000 χ²/NDF:15822369652568182
All: -6.493+/-0.000 χ²/NDF: 3166099084858

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:0.0/10

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

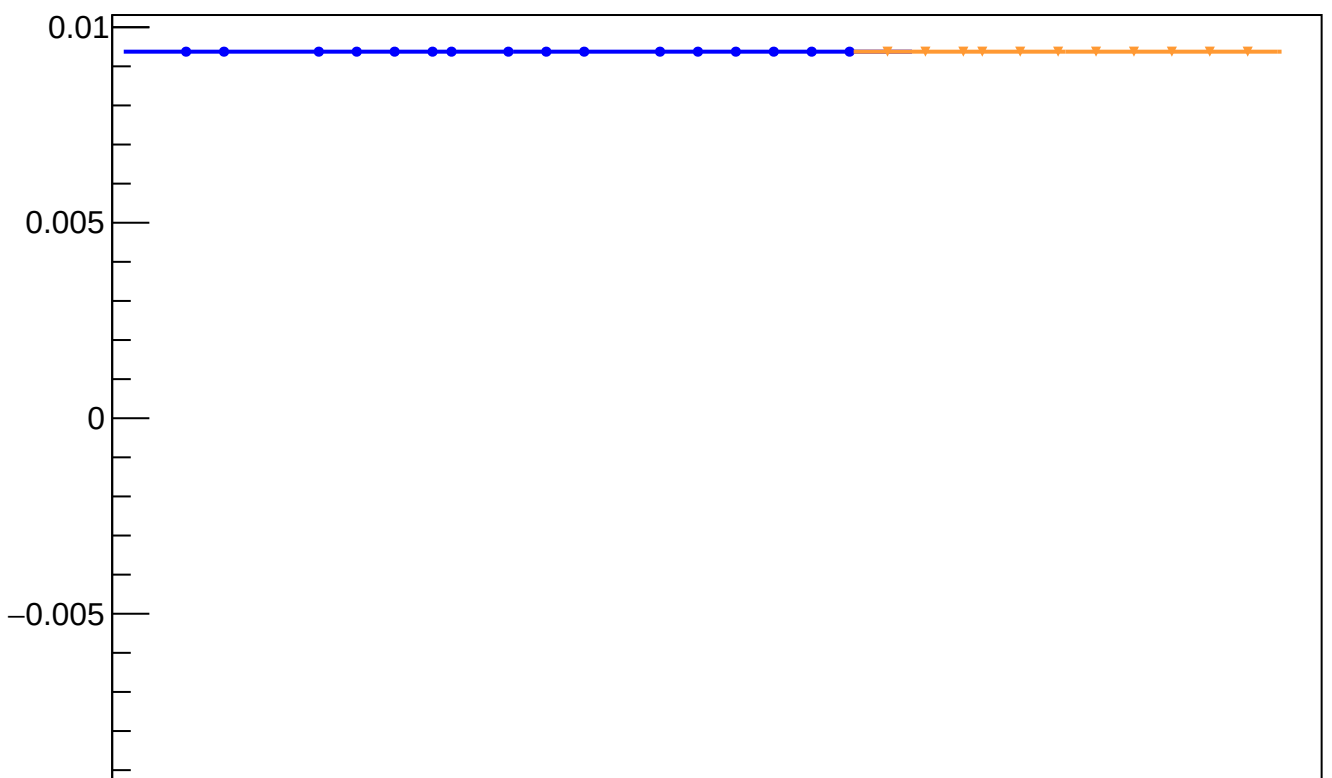
Left: 0.000+/-0.000 χ^2/NDF: 158906249999994080

Right: -0.000+/-0.000 χ^2/NDF: 13215921604886955

In: -0.001+/-0.000 χ^2/NDF:1431605243161090920

Out: 0.001+/-0.000 χ^2/NDF:145465469406118489

All: -0.000+/-0.000 χ^2/NDF: 2910809060801



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

Left: 0.000+/-0.000 χ^2/NDF: 158906249999999408

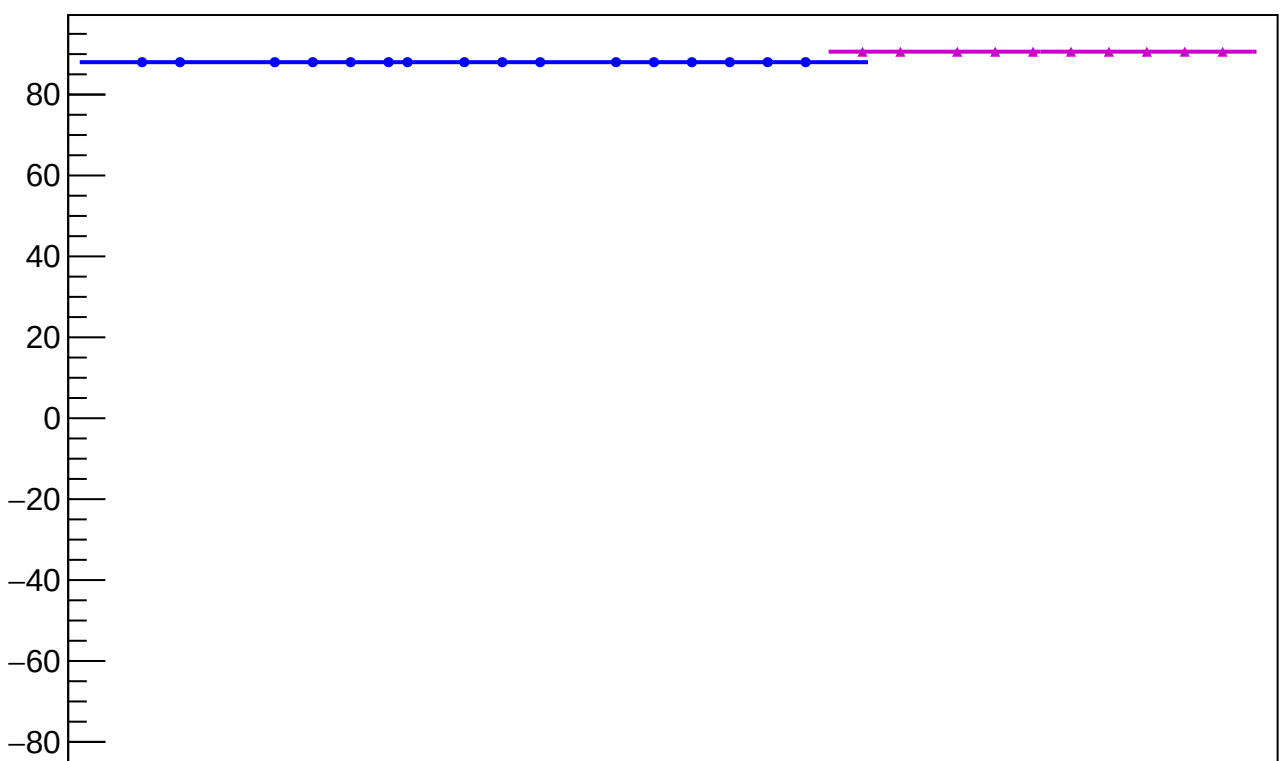
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:145465469406118489

All: -0.000+/-0.000 χ^2/NDF: 2910809060801

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:2927847.8/10

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:661381.0/9

Left: -0.000+/-0.000 χ^2/NDF: 14840484530393800

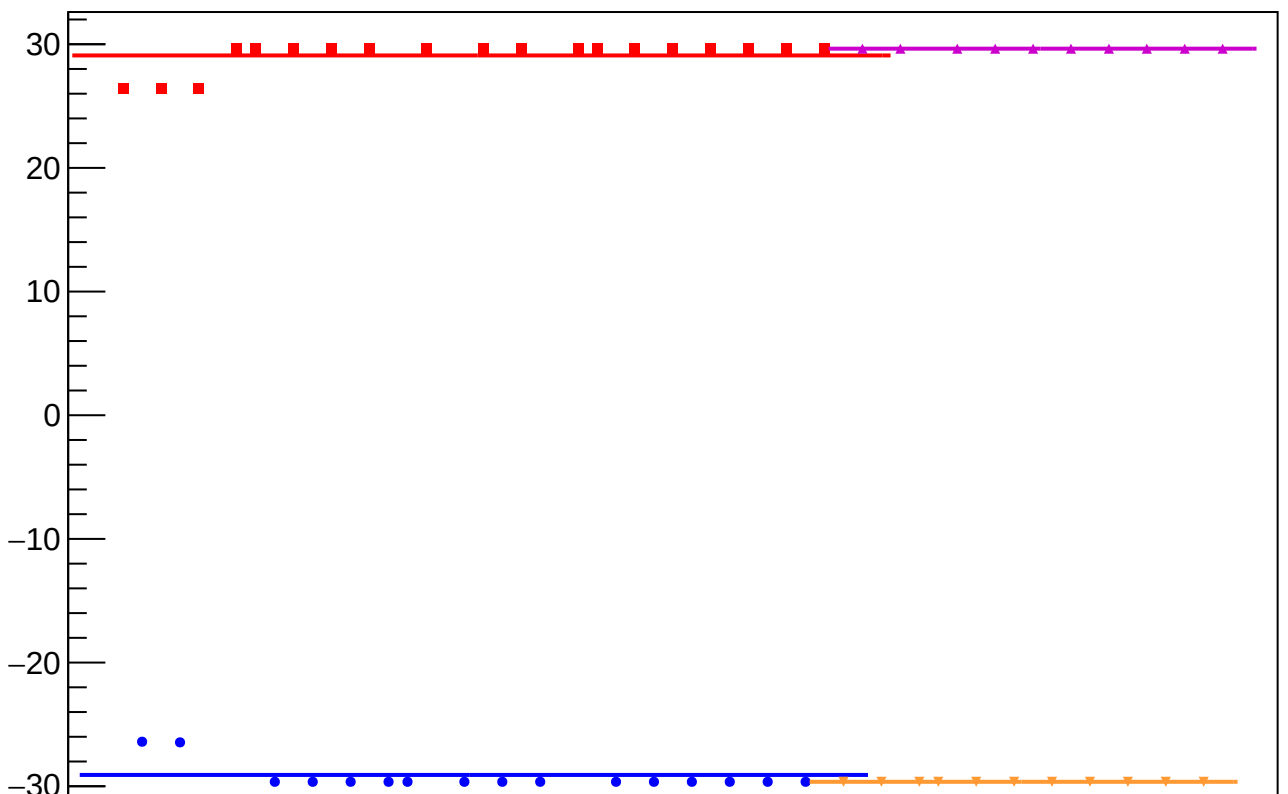
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.429+/-0.000 χ^2/NDF:274977725482154328

Out: -89.411+/-0.000 χ^2/NDF:2788312111653031

All: -0.585+/-0.000 χ^2/NDF: 2648687569538

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:173940.7/10

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:88655.3/9

Left: 0.000+/-0.000 χ^2/NDF: 158845687739384224

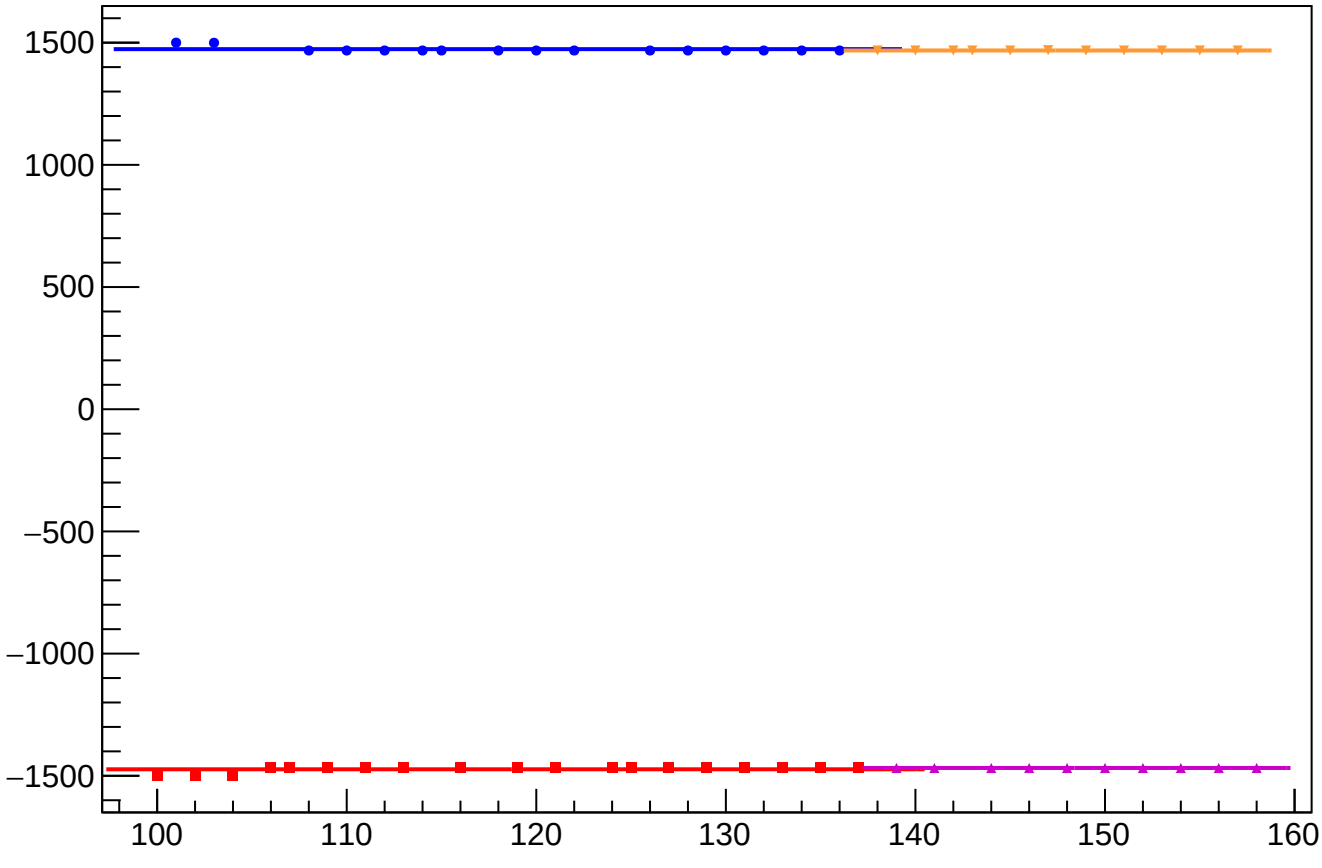
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: 3.187+/-0.000 χ^2/NDF:140546938588460527 5

Out: -2.758+/-0.000 χ^2/NDF:14284767005905850

All: 0.195+/-0.000 χ^2/NDF: 2863208918917 9

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.114+/-0.000 χ^2/NDF:133025308432353874865815333896192.0/10

Right Out: -1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

Left In: -1467.987+/-0.000 χ^2/NDF:866548672293382984379431649 28.0/9

Left: 0.063+/-0.000 χ^2/NDF: 3896551530552981 77

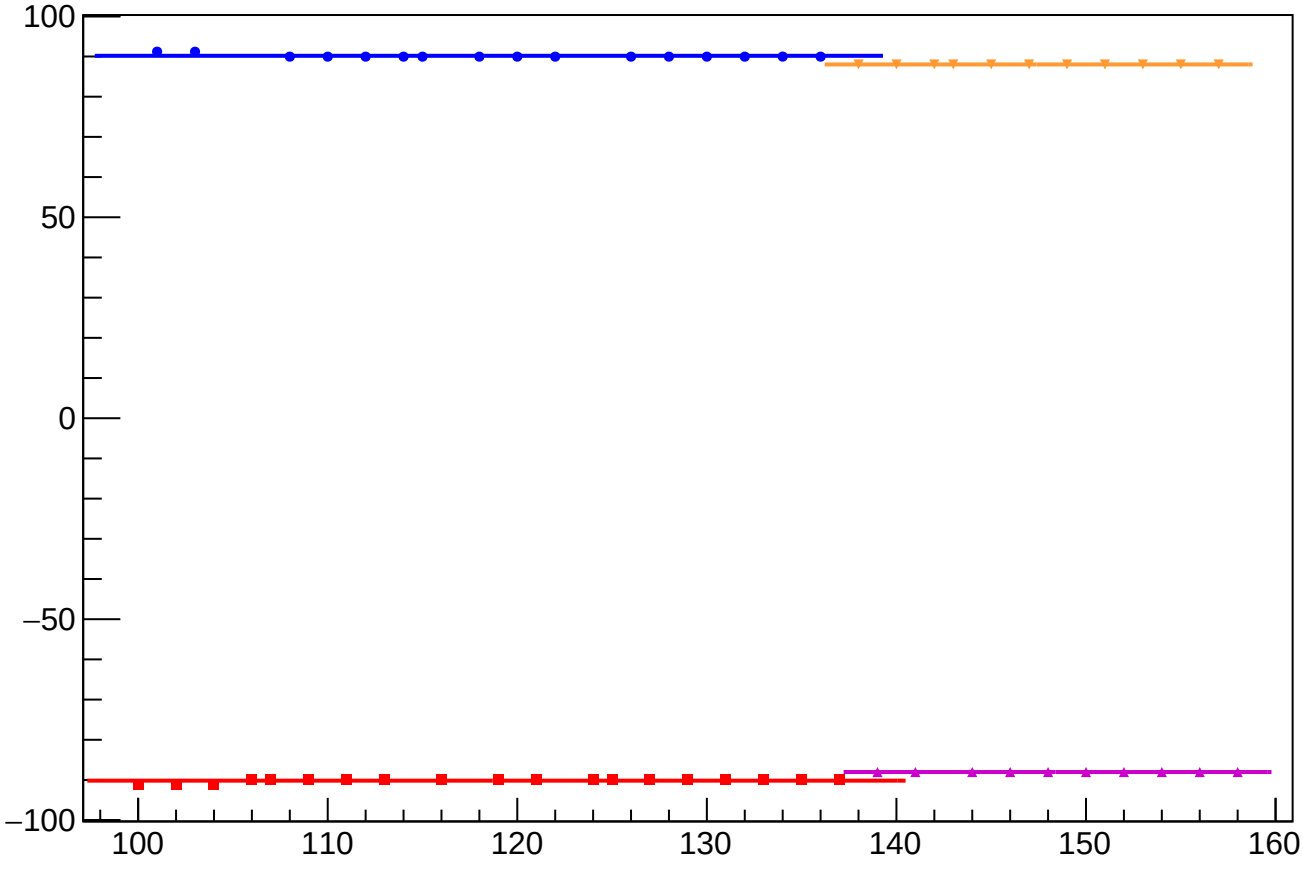
Right: -21.516+/-0.000 χ^2/NDF: 3264697385914600

In: -142.992+/-0.000 χ^2/NDF:3523369928149975

Out: 121.761+/-0.000 χ^2/NDF:3580226032485431

All: -9.736+/-0.000 χ^2/NDF: 7161631225796

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2449028.1/10

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:438430.0/9

Left: 0.000+/-0.000 χ^2/NDF: 140077406749438151

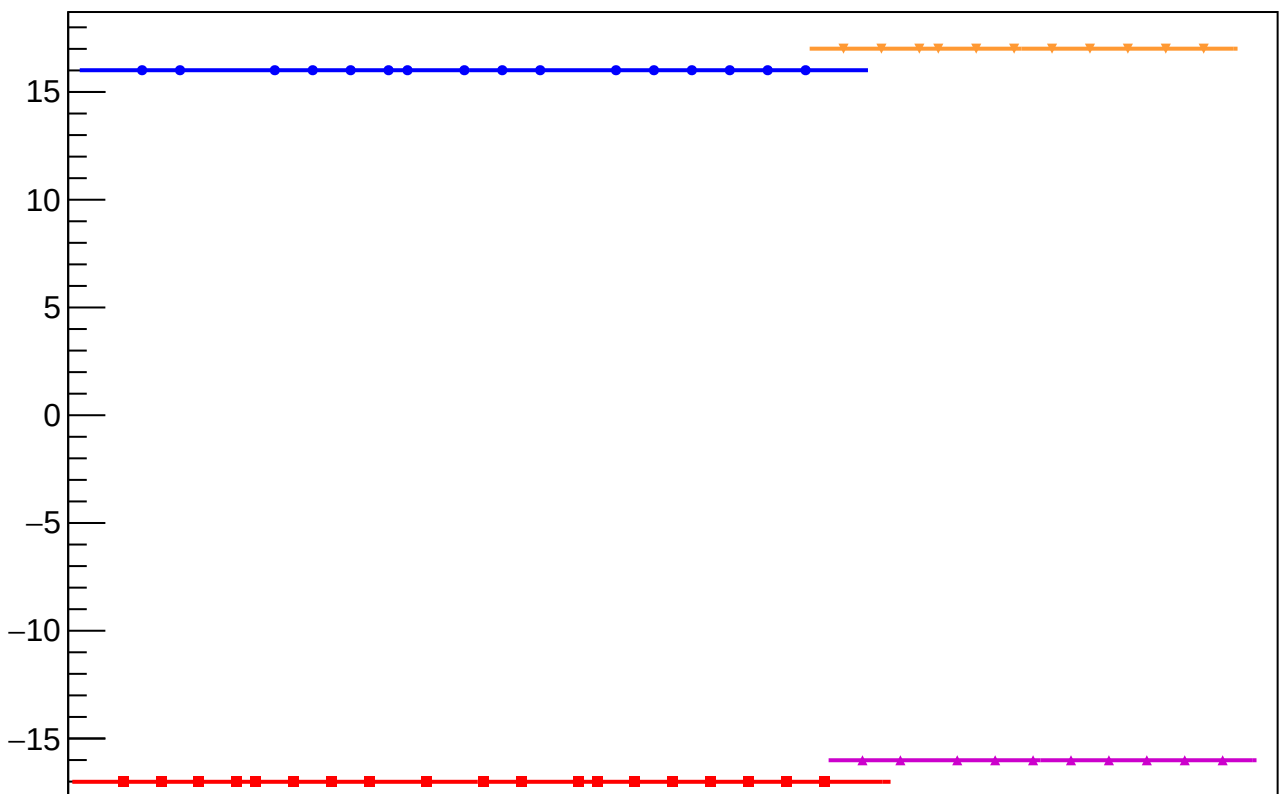
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -7.752+/-0.000 χ^2/NDF:129303307183237306

Out: 6.462+/-0.000 χ^2/NDF:131379543224129294

All: -0.598+/-0.000 χ^2/NDF: 2623556960819

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:9848385071901137633804288.0/10

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:103284.0/9

Left: 0.050+/-0.000 χ^2/NDF: 450202654766029868

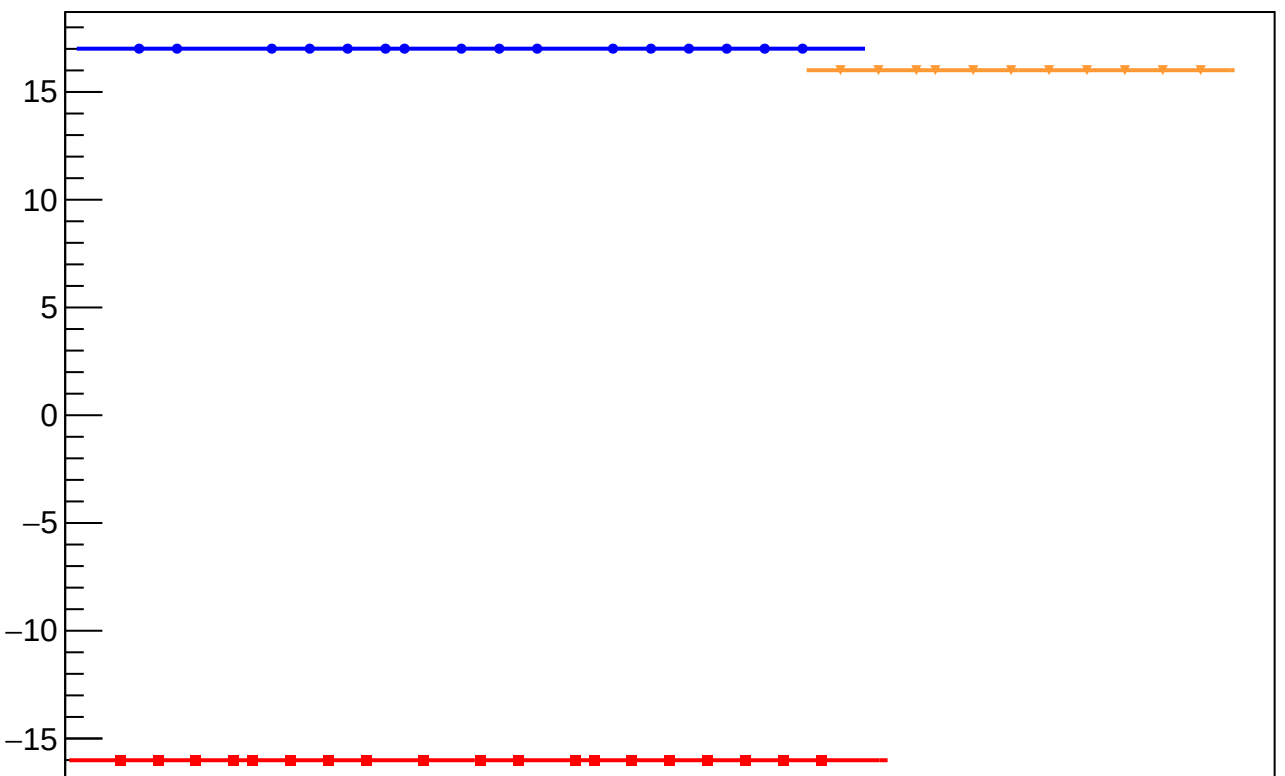
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -1.517+/-0.000 χ^2/NDF:393950586157671083

Out: 1.261+/-0.000 χ^2/NDF:430722852115639909

All: -0.153+/-0.000 χ^2/NDF: 8305542961134

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:45047.1/10

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:3433.1/9

Left: -0.583+/-0.000 χ^2/NDF: 49032220174662996

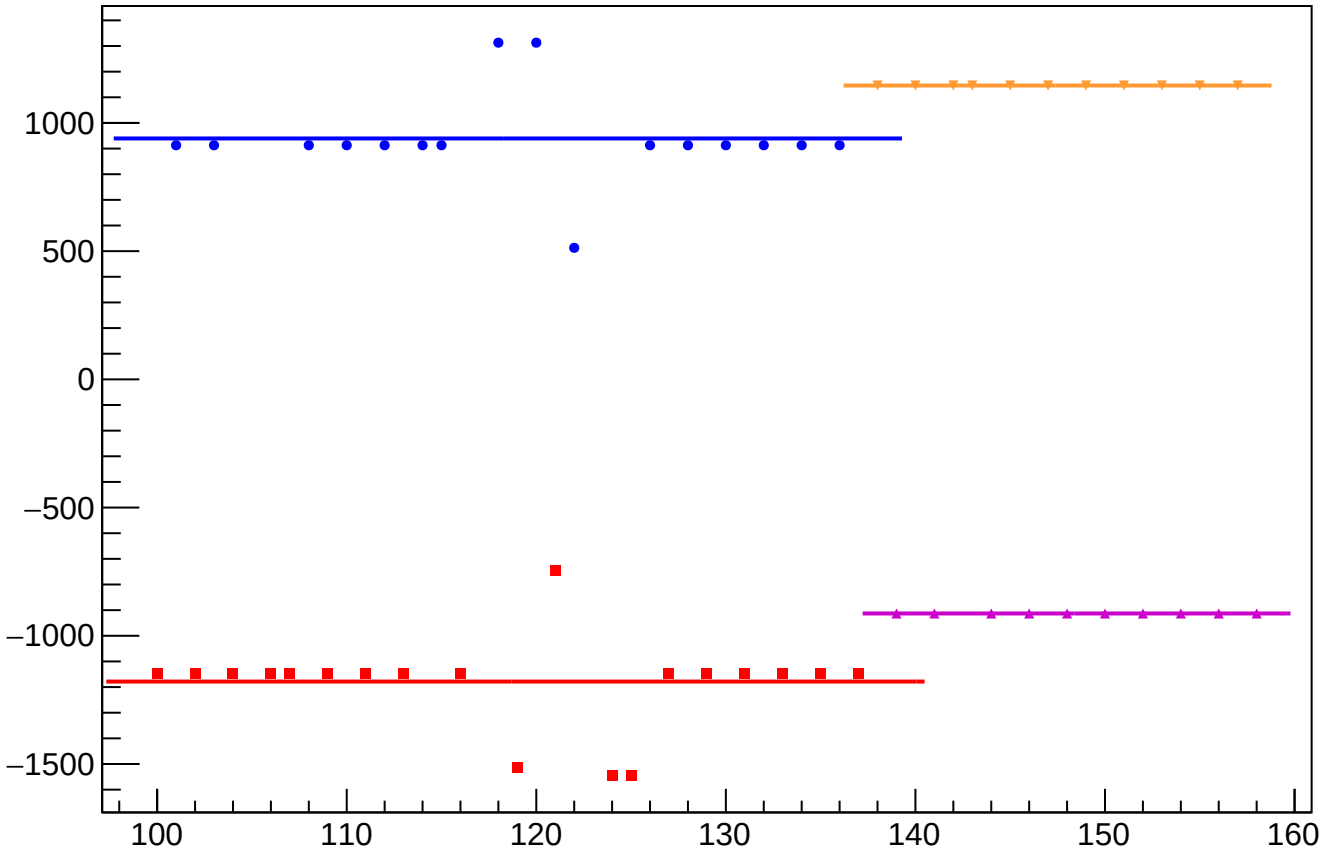
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -2.080+/-0.000 χ^2/NDF:459122955241115389

Out: 1.316+/-0.000 χ^2/NDF:421054247169386463

All: -0.359+/-0.000 χ^2/NDF: 8895911644392

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 116.508+/-0.000 χ^2/NDF: 1916254119269366

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:2804445064572456170814439424.0/10

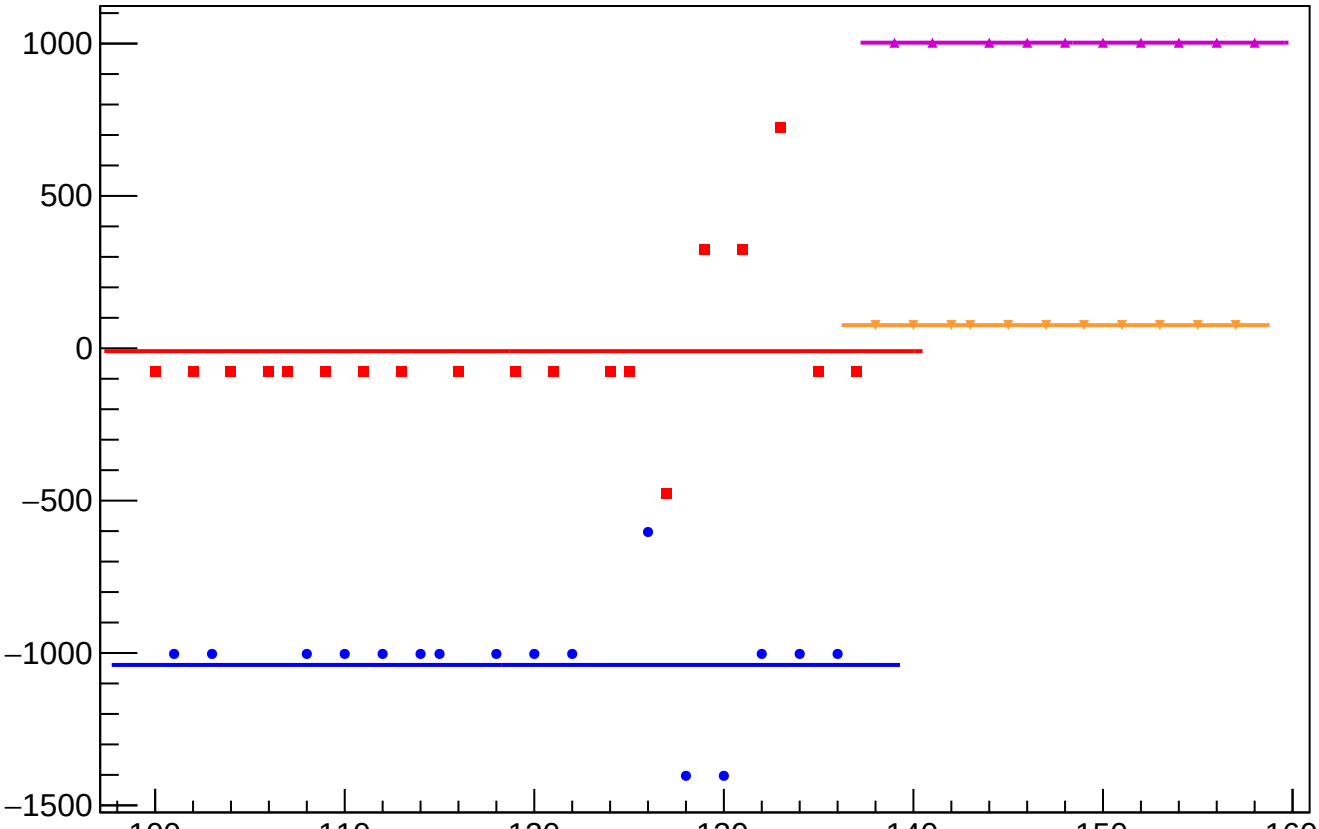
In: -78.551+/-0.000 χ^2/NDF:14184452102752322

Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: 82.057+/-0.000 χ^2/NDF:22579013507437926

Left In: -912.994+/-0.000 χ^2/NDF:10282041872709593162498179072.0/9

All: 2.286+/-0.000 χ^2/NDF: 3697703788143



Left: 539.500+/-0.000 χ^2/NDF: 3883992245363158

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.010+/-0.000 χ^2/NDF:3051899921058532227471638528.0/10

In: 83.093+/-0.000 χ^2/NDF:172109213291552573

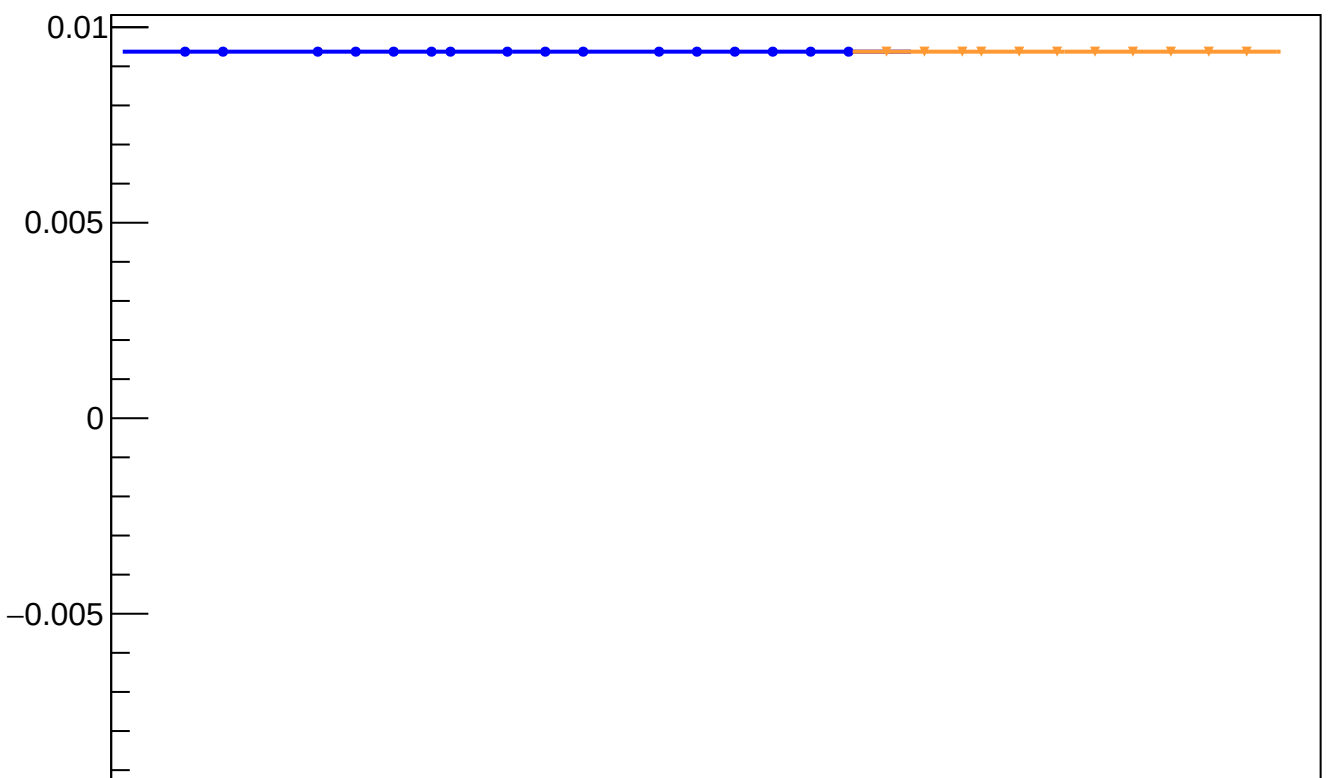
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

Out: 36.904+/-0.000 χ^2/NDF:4907792083155852

Left In: 1002.990+/-0.000 χ^2/NDF:14786867856529608613266718720/9

All: 59.845+/-0.000 χ^2/NDF: 1771936451264

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

Left: 0.000+/-0.000 χ^2/NDF: 158906249999999408

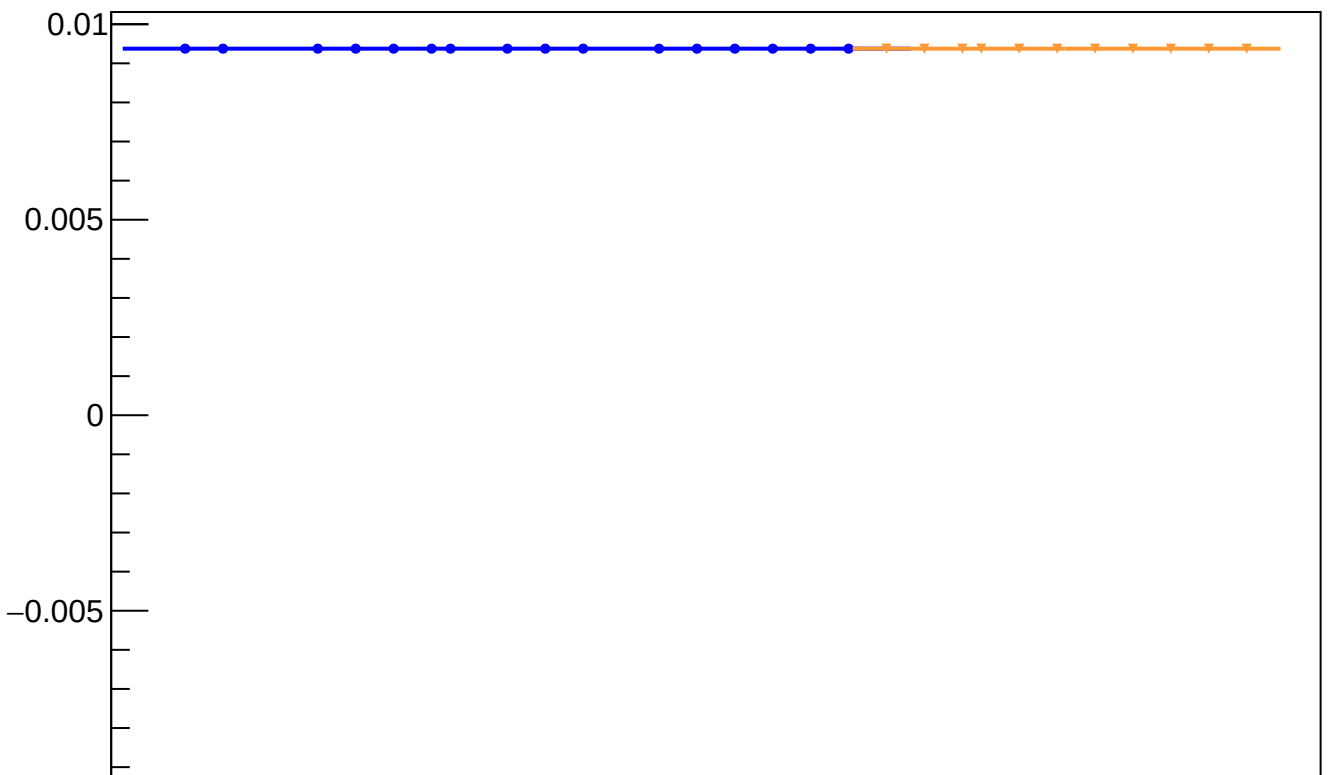
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:145465469406118489

All: -0.000+/-0.000 χ^2/NDF: 2910809060801

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:0.0/10

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/9

Left: 0.000+/-0.000 χ^2/NDF: 158906249999999408

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:143160524316109092

Out: 0.001+/-0.000 χ^2/NDF:145465469406118489

All: -0.000+/-0.000 χ^2/NDF: 2910809060801