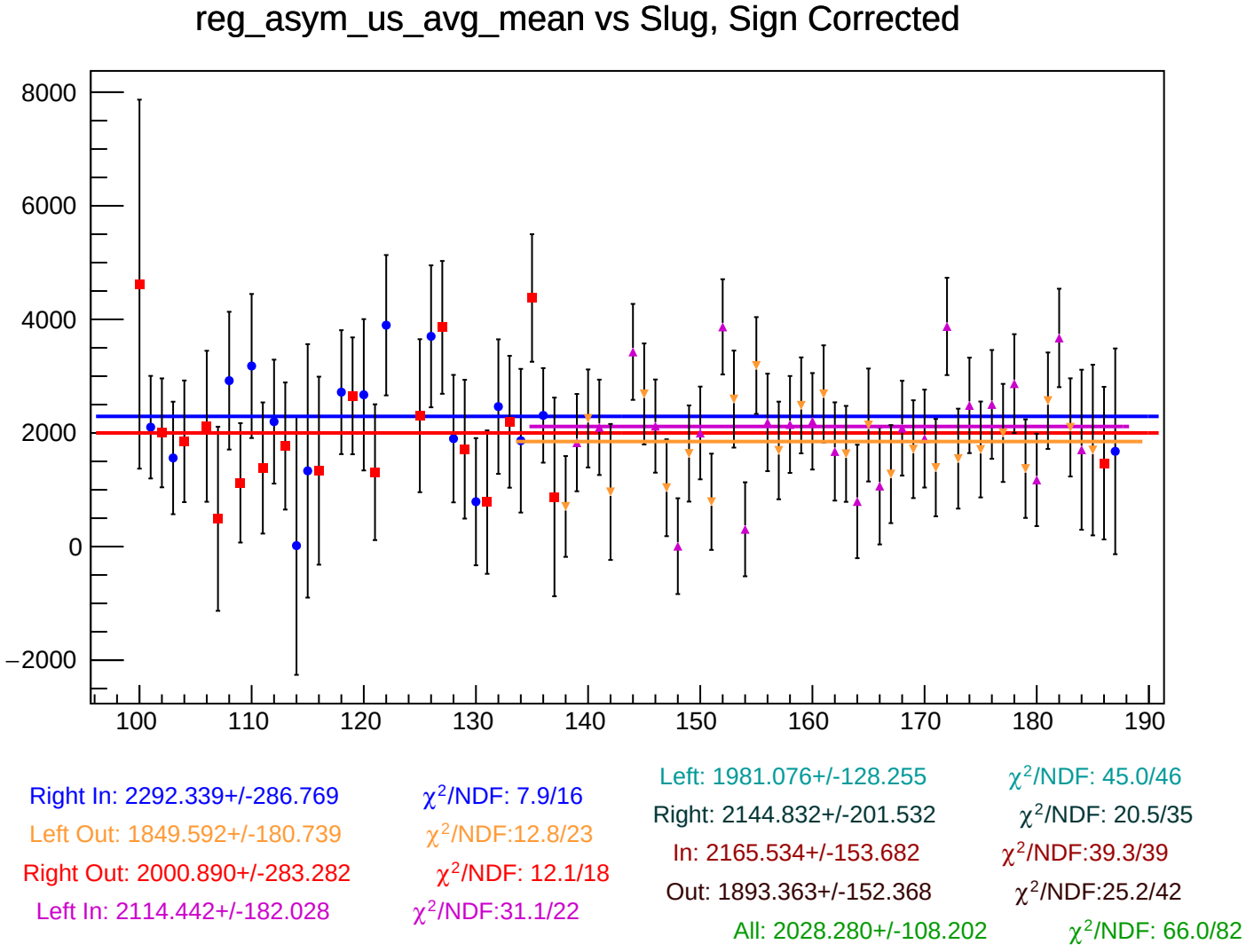
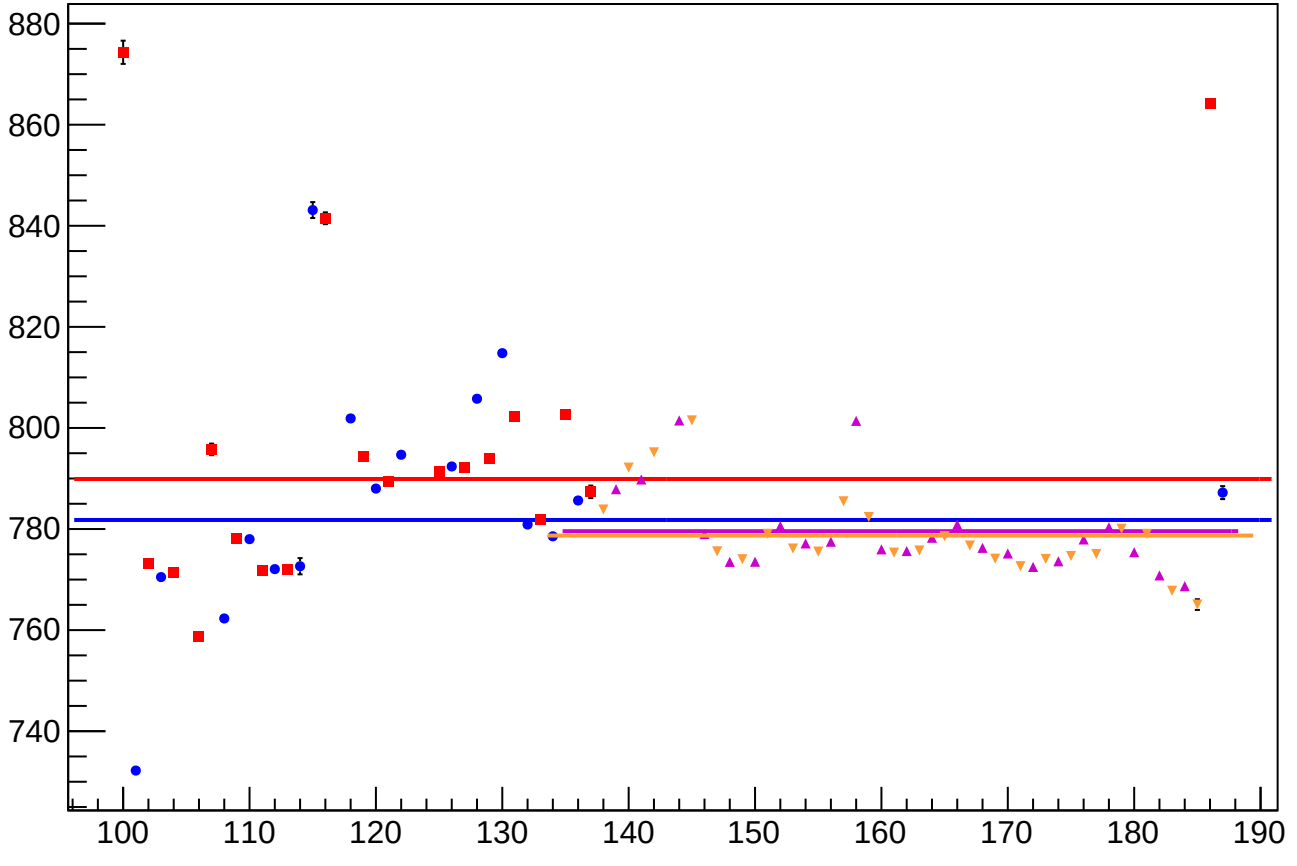

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 2292.339+/-286.769
χ²/NDF: 7.9/16
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2000.890+/-283.282
χ²/NDF: 12.1/18
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2144.832+/-201.532
χ²/NDF: 20.5/35
In: 2165.534+/-153.682
χ²/NDF:39.3/39
Out: 1893.363+/-152.368
χ²/NDF:25.2/42
All: 2028.280+/-108.202
χ²/NDF: 66.0/82

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 789.904+/-0.200 χ^2/NDF: 13615.1/18

Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

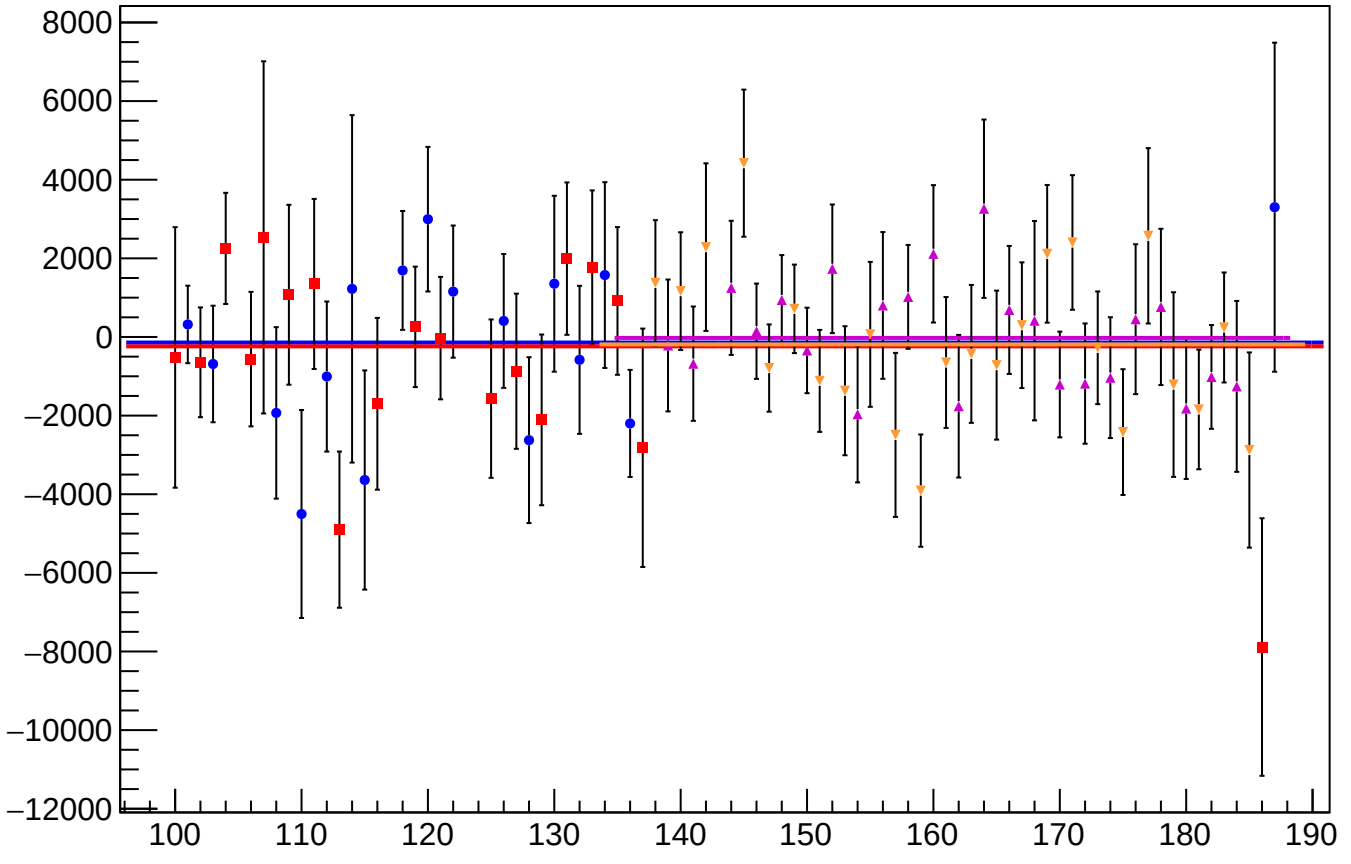
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 785.898+/-0.143 χ^2/NDF: 26762.1/35

In: 780.212+/-0.109 χ^2/NDF:16595.6/39

Out: 781.947+/-0.108 χ^2/NDF:19224.8/42

All: 781.087+/-0.077 χ^2/NDF: 35948.9/82



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: -238.751+/-450.488 χ^2/NDF: 20.8/18

Left In: -23.750+/-325.809 χ^2/NDF:13.5/22

Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

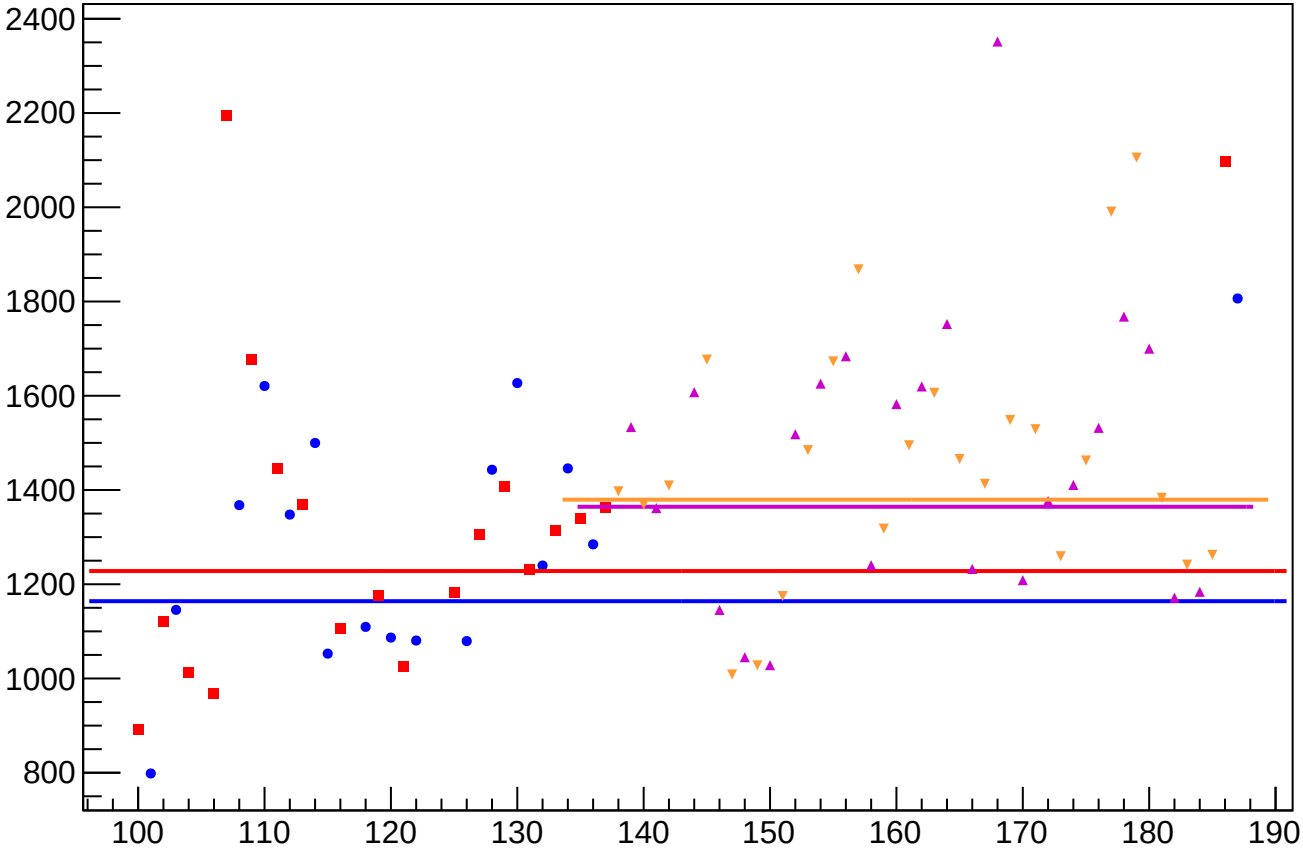
Right: -188.922+/-314.163 χ^2/NDF: 36.9/35

In: -65.739+/-261.490 χ^2/NDF:29.6/39

Out: -206.218+/-264.989 χ^2/NDF:50.4/42

All: -135.045+/-186.126 χ^2/NDF: 80.1/82

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

Right Out: 1228.036+/-0.319 χ^2/NDF: 541497.3/18

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

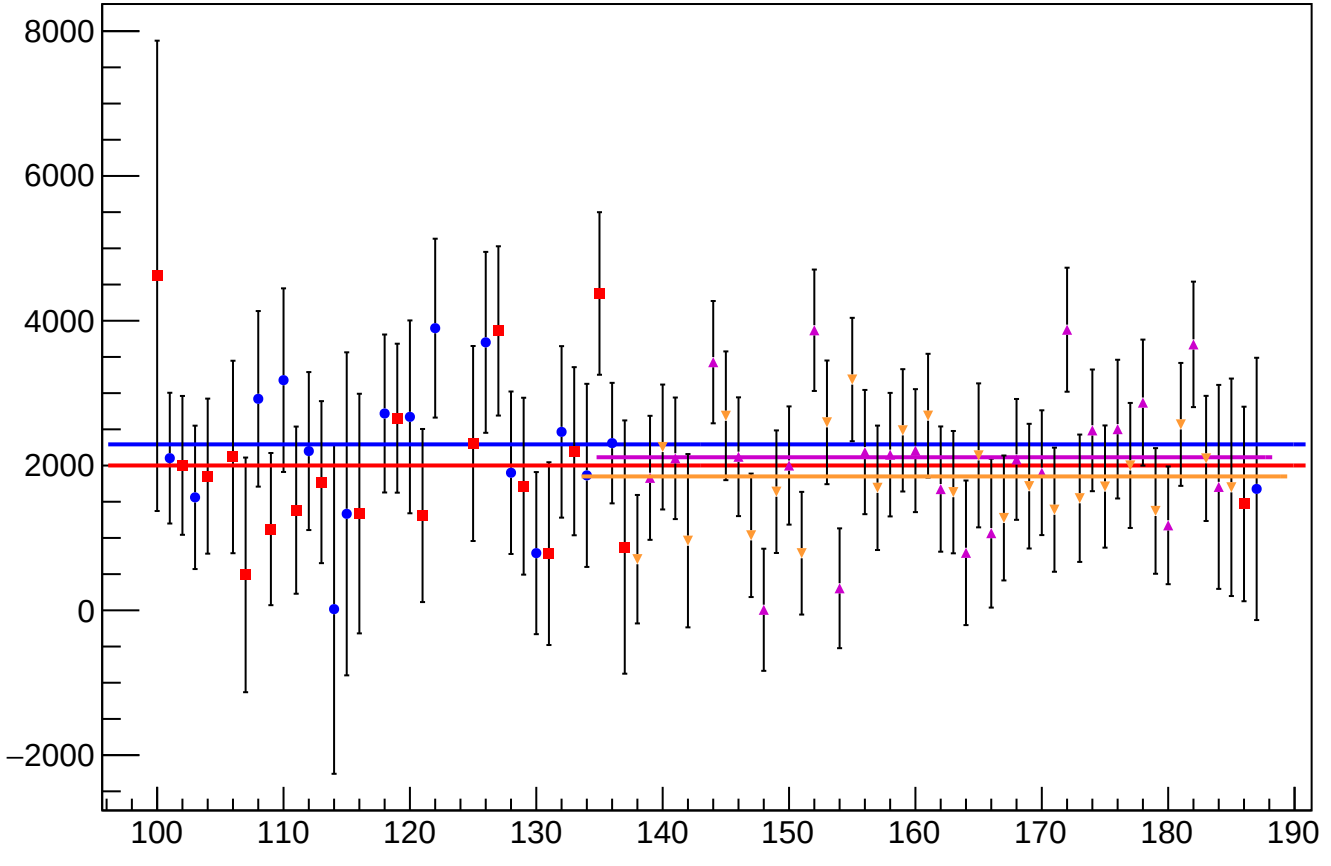
Right: 1195.181+/-0.222 χ^2/NDF: 1178970.3/35

In: 1293.120+/-0.185 χ^2/NDF:2198156.9/39

Out: 1327.115+/-0.187 χ^2/NDF:1847896.2/42

All: 1309.892+/-0.132 χ^2/NDF: 4062729.8/82

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: 2000.890+/-283.282 χ^2/NDF: 12.1/18

Left In: 2114.442+/-182.028 χ^2/NDF:31.1/22

Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

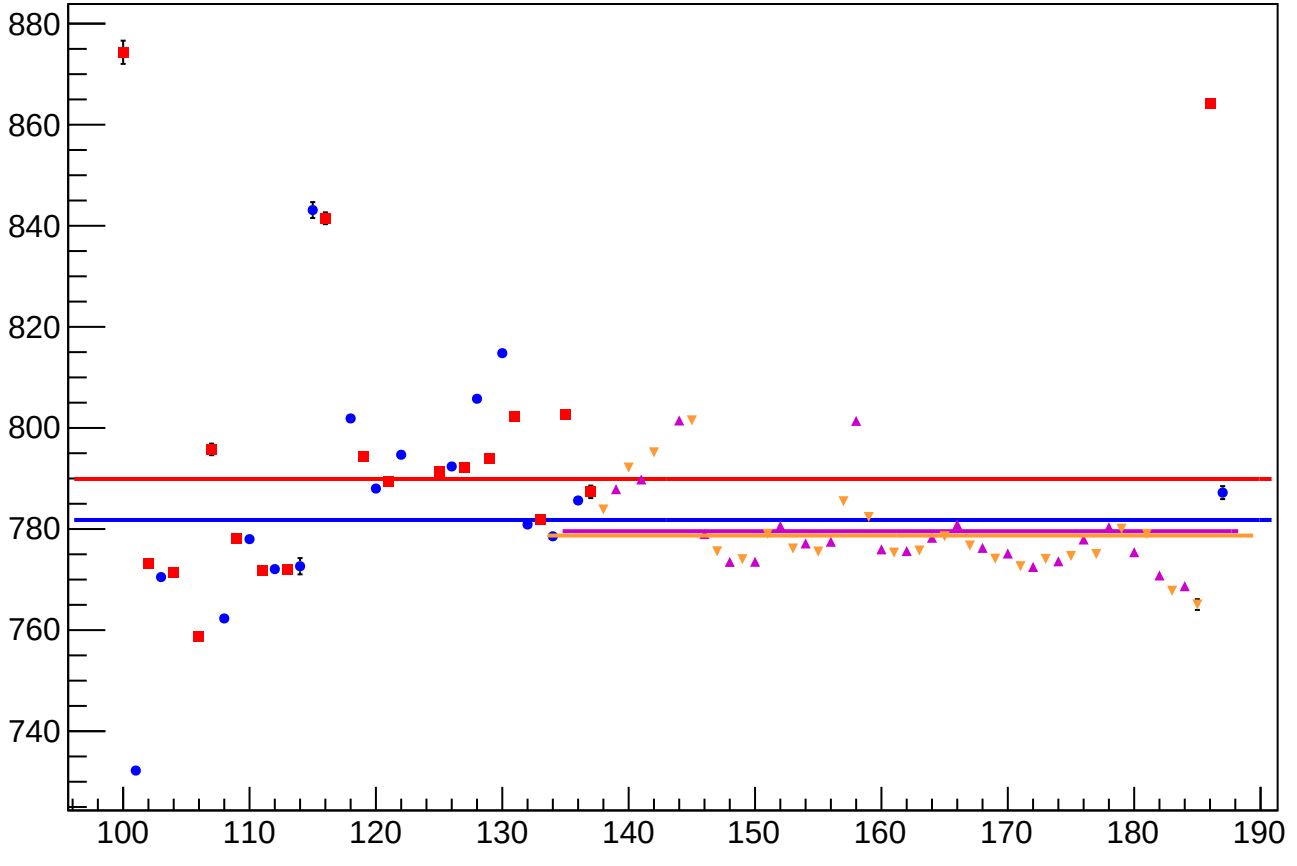
Right: 2144.832+/-201.532 χ^2/NDF: 20.5/35

In: 2165.534+/-153.682 χ^2/NDF:39.3/39

Out: 1893.363+/-152.368 χ^2/NDF:25.2/42

All: 2028.280+/-108.202 χ^2/NDF: 66.0/82

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 789.904+/-0.200 χ^2/NDF: 13615.1/18

Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

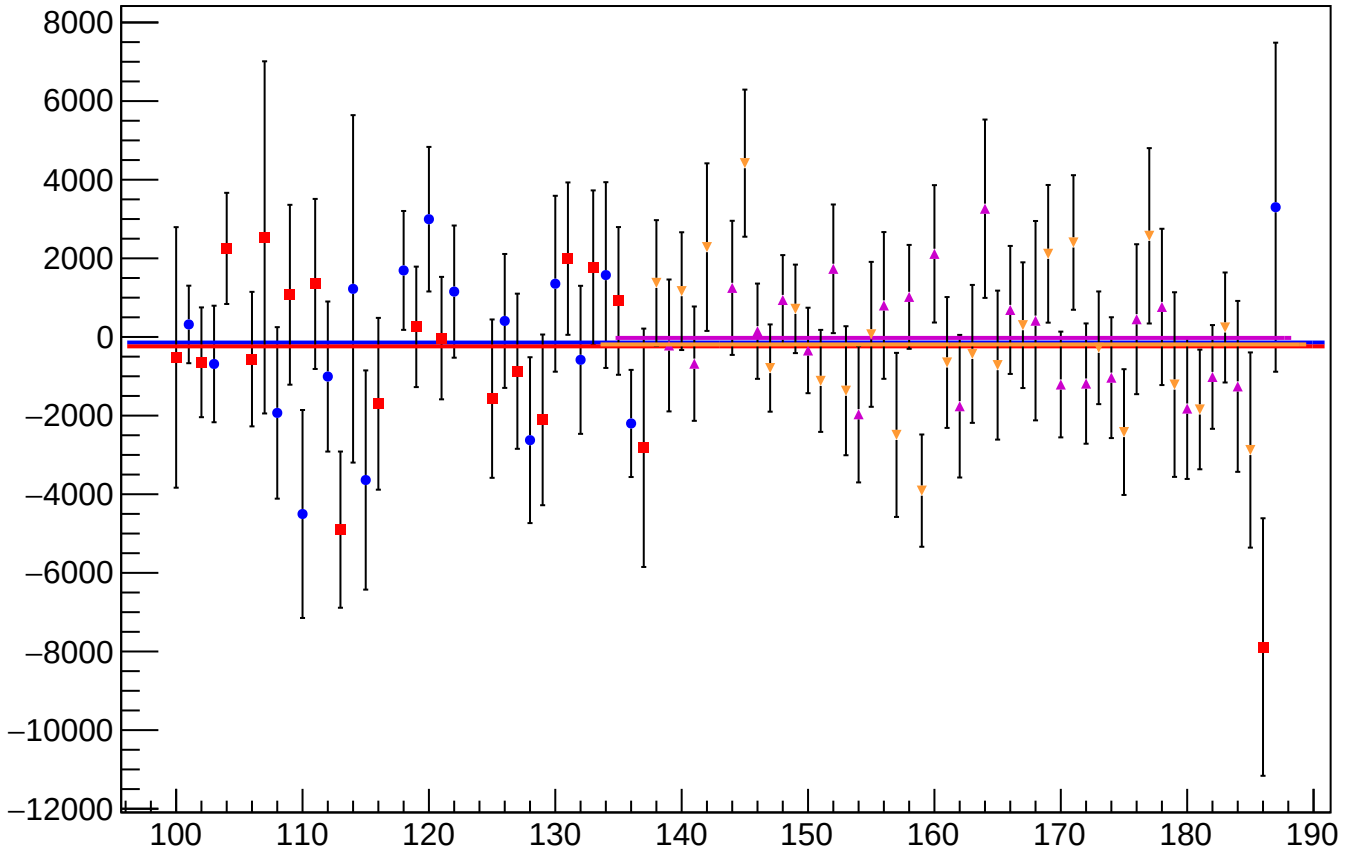
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 785.898+/-0.143 χ^2/NDF: 26762.1/35

In: 780.212+/-0.109 χ^2/NDF:16595.6/39

Out: 781.947+/-0.108 χ^2/NDF:19224.8/42

All: 781.087+/-0.077 χ^2/NDF: 35948.9/82



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: -238.751+/-450.488 χ^2/NDF: 20.8/18

Left In: -23.750+/-325.809 χ^2/NDF:13.5/22

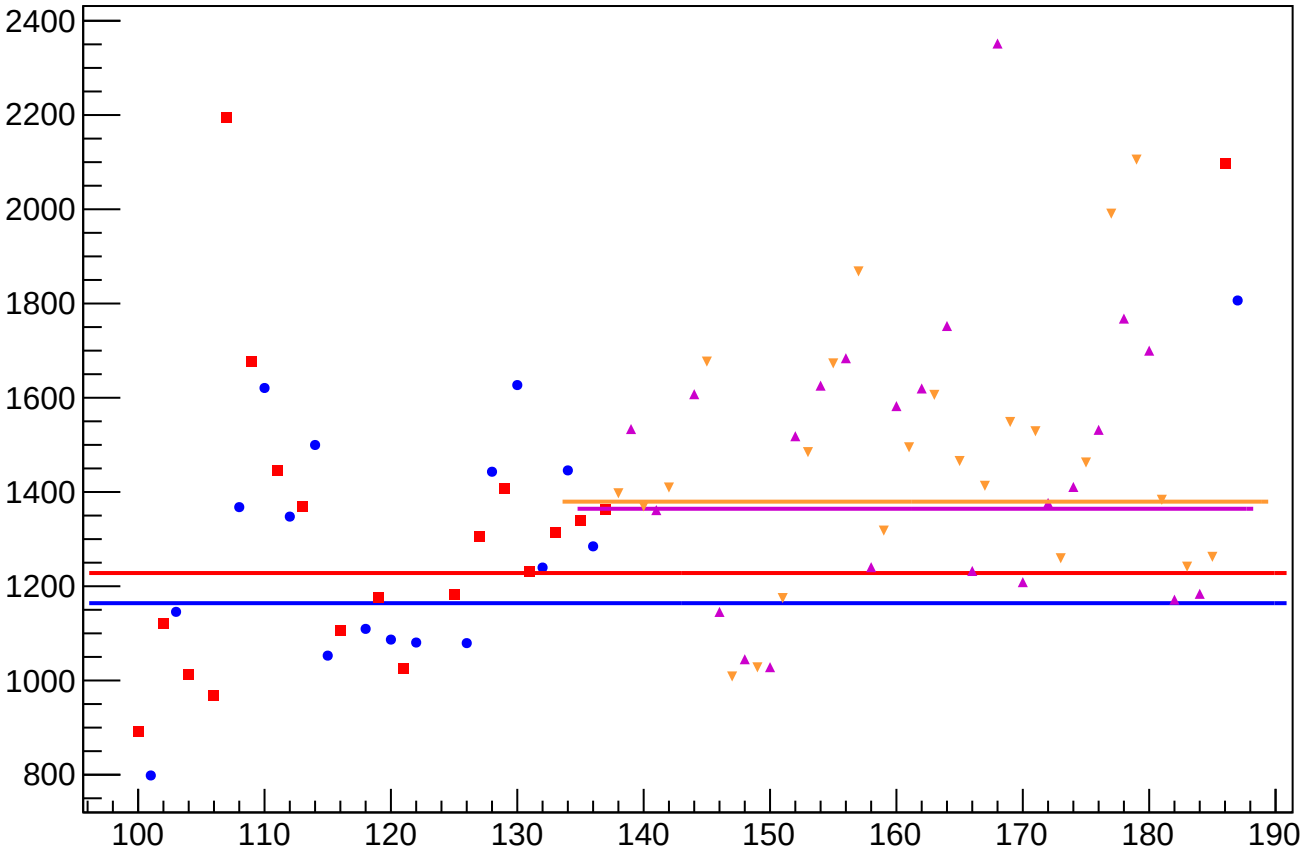
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -188.922+/-314.163 χ^2/NDF: 36.9/35

In: -65.739+/-261.490 χ^2/NDF:29.6/39

Out: -206.218+/-264.989 χ^2/NDF:50.4/42

All: -135.045+/-186.126 χ^2/NDF: 80.1/82



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

Right Out: 1228.036+/-0.319 χ^2/NDF: 541497.3/18

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

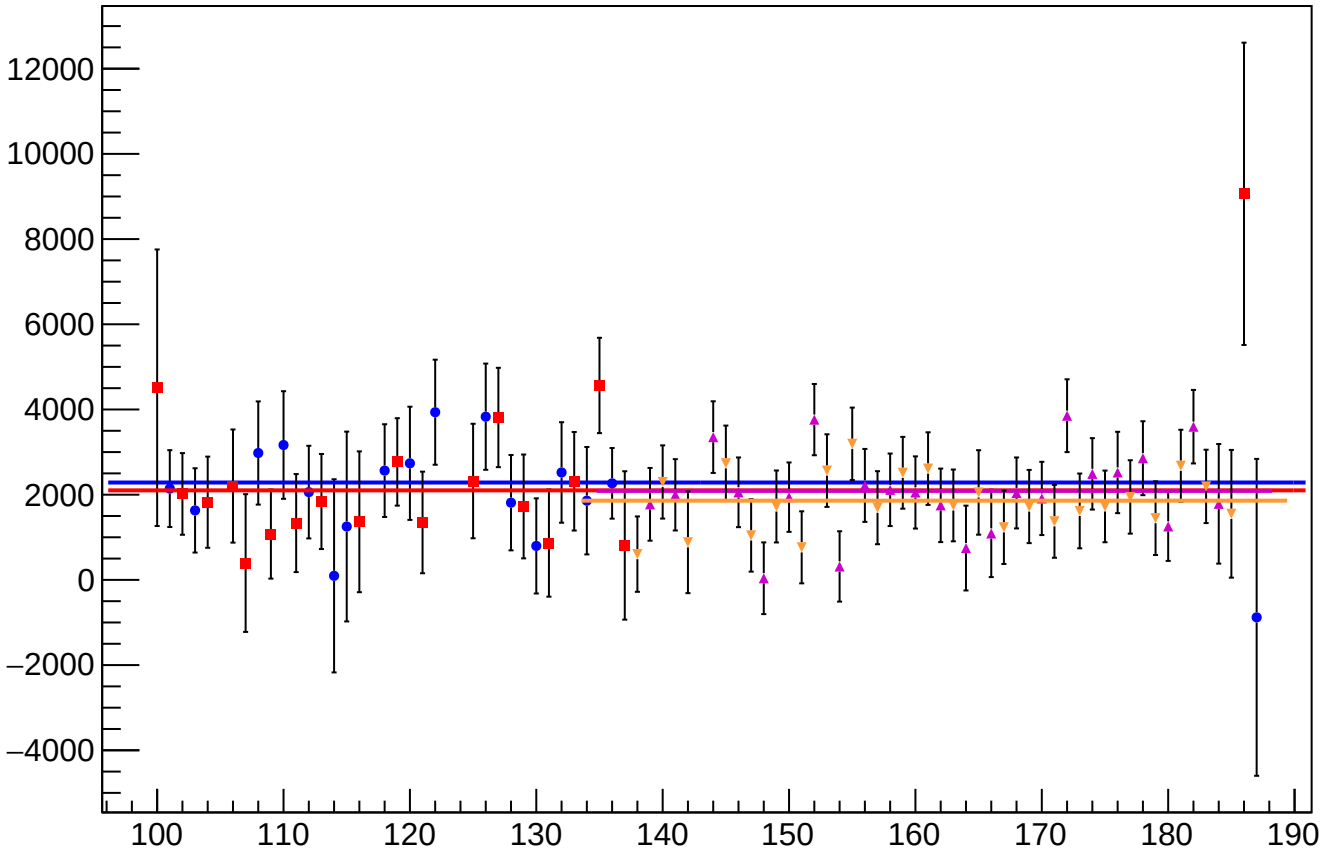
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1195.181+/-0.222 χ^2/NDF: 1178970.3/35

In: 1293.120+/-0.185 χ^2/NDF:2198156.9/39

Out: 1327.115+/-0.187 χ^2/NDF:1847896.2/42

All: 1309.892+/-0.132 χ^2/NDF: 4062729.8/82



Right In: 2285.655+/-288.829 χ^2/NDF: 8.8/16

Left Out: 1859.528+/-180.231 χ^2/NDF:13.5/23

Right Out: 2101.874+/-288.135 χ^2/NDF: 16.7/18

Left In: 2089.493+/-181.523 χ^2/NDF:29.6/22

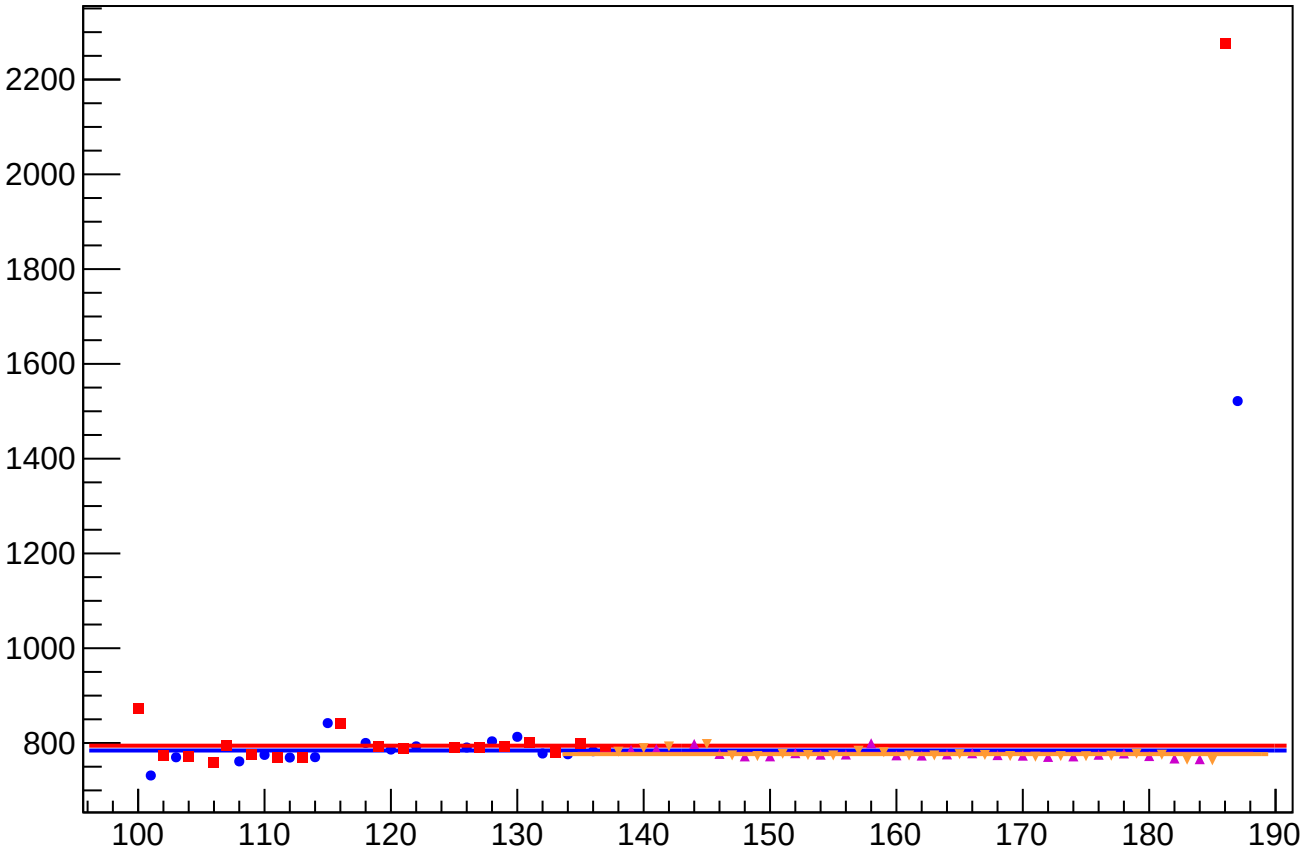
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2193.543+/-203.987 χ^2/NDF: 25.8/35

In: 2145.035+/-153.690 χ^2/NDF:38.8/39

Out: 1927.683+/-152.800 χ^2/NDF:30.8/42

All: 2035.728+/-108.359 χ^2/NDF: 70.5/82



Right In: 784.175+/-0.204 χ^2/NDF: 91131.6/16

Left Out: 776.523+/-0.127 χ^2/NDF:3137.1/23

Right Out: 794.356+/-0.204 χ^2/NDF: 357900.3/18

Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

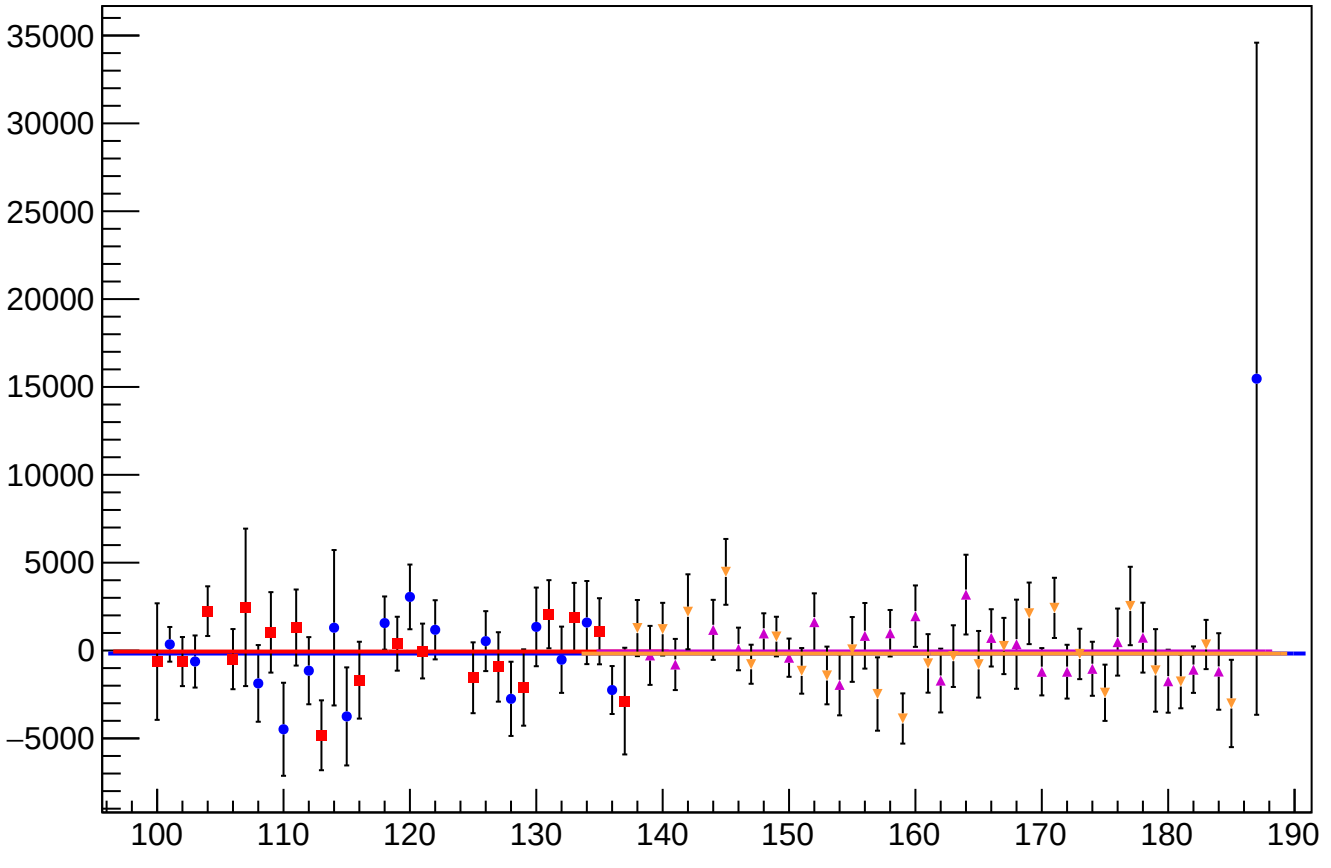
Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

Right: 789.278+/-0.144 χ^2/NDF: 450277.3/35

In: 779.327+/-0.109 χ^2/NDF:95979.6/39

Out: 781.538+/-0.108 χ^2/NDF:366543.9/42

All: 780.439+/-0.077 χ^2/NDF: 462731.5/82



Right In: -170.133+/-441.100 χ^2/NDF: 16.4/16

Left Out: -174.932+/-327.991 χ^2/NDF:29.6/23

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

Left In: -52.820+/-326.124 χ^2/NDF:13.0/22

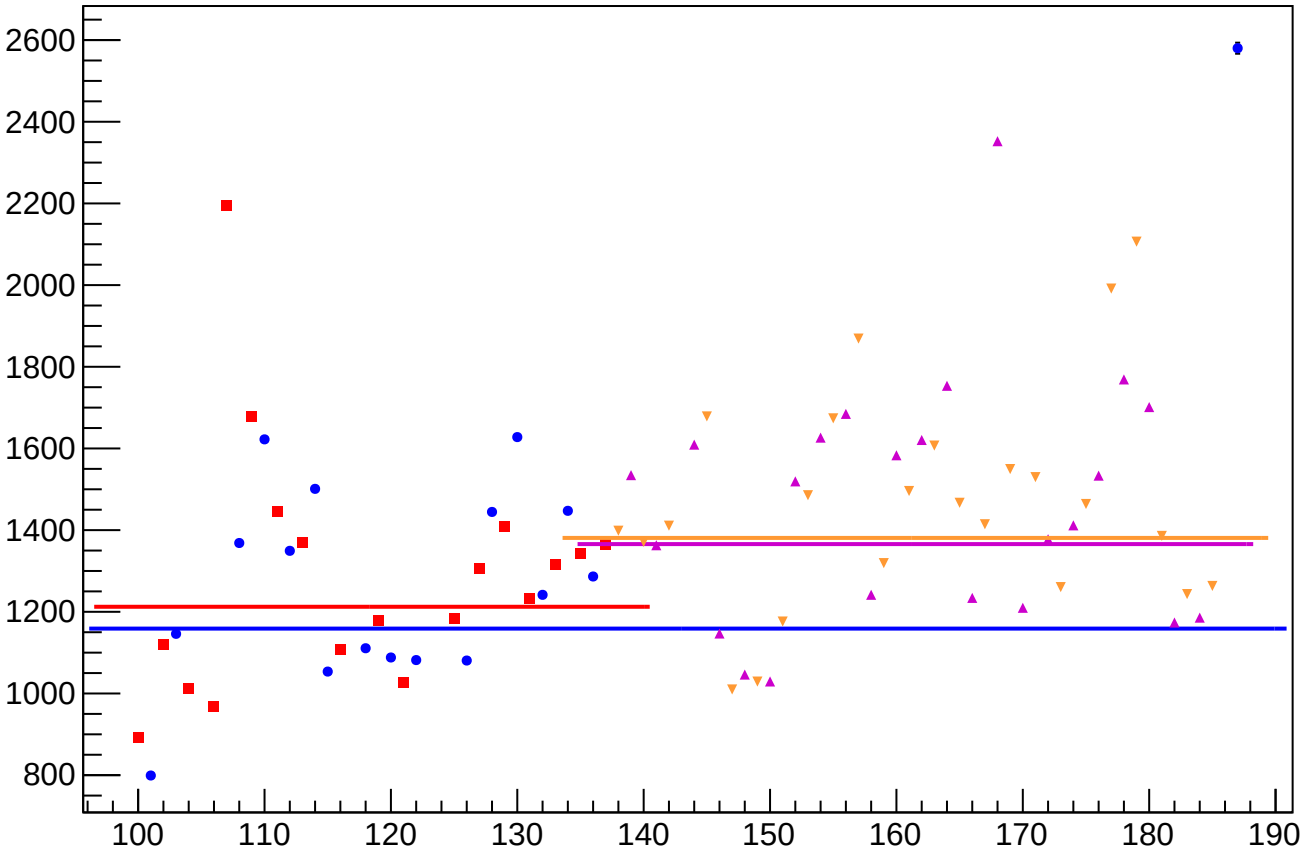
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: -115.852+/-316.778 χ^2/NDF: 31.7/34

In: -94.282+/-262.235 χ^2/NDF:29.4/39

Out: -134.986+/-266.111 χ^2/NDF:44.9/41

All: -114.336+/-186.783 χ^2/NDF: 74.3/81



Right In: 1158.890+/-0.312 χ^2/NDF: 580195.8/16

Left Out: 1380.952+/-0.232 χ^2/NDF:1155437.6/23

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

Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

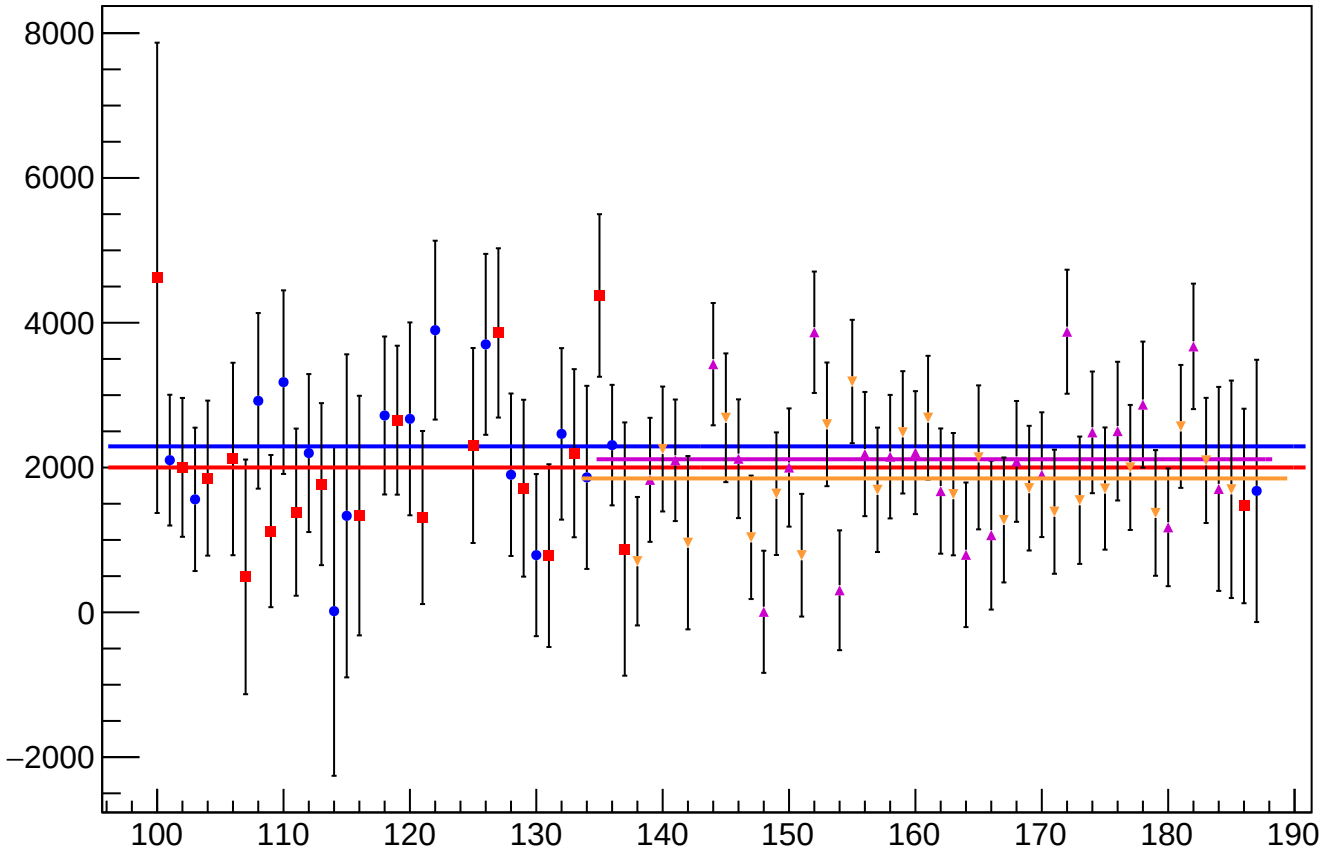
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1184.777+/-0.224 χ^2/NDF: 992358.2/34

In: 1292.679+/-0.185 χ^2/NDF:2173621.9/39

Out: 1323.334+/-0.188 χ^2/NDF:1733984.8/41

All: 1307.781+/-0.132 χ^2/NDF: 3921071.8/81



Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: 2000.890+/-283.282 χ^2/NDF: 12.1/18

Left In: 2114.442+/-182.028 χ^2/NDF:31.1/22

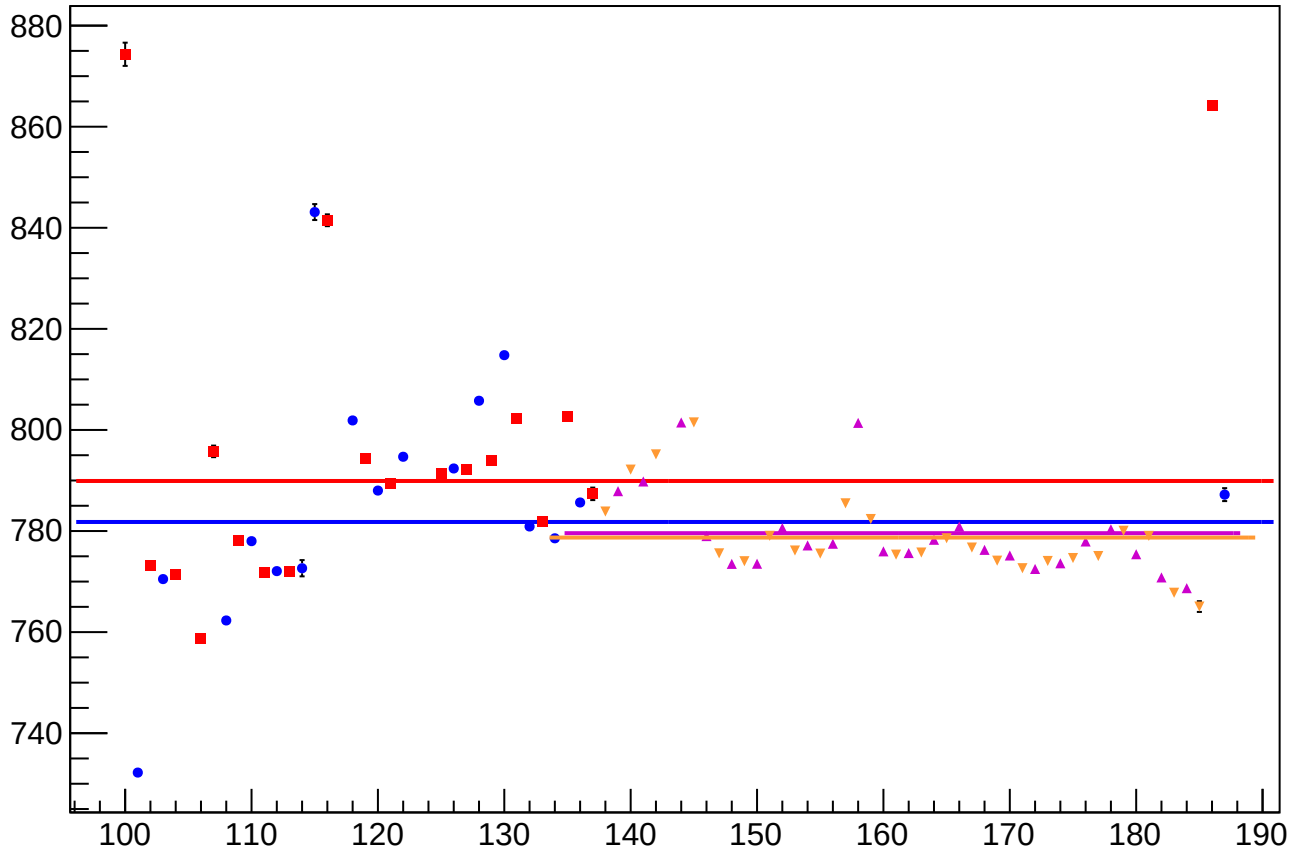
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2144.832+/-201.532 χ^2/NDF: 20.5/35

In: 2165.534+/-153.682 χ^2/NDF:39.3/39

Out: 1893.363+/-152.368 χ^2/NDF:25.2/42

All: 2028.280+/-108.202 χ^2/NDF: 66.0/82



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 789.904+/-0.200 χ^2/NDF: 13615.1/18

Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

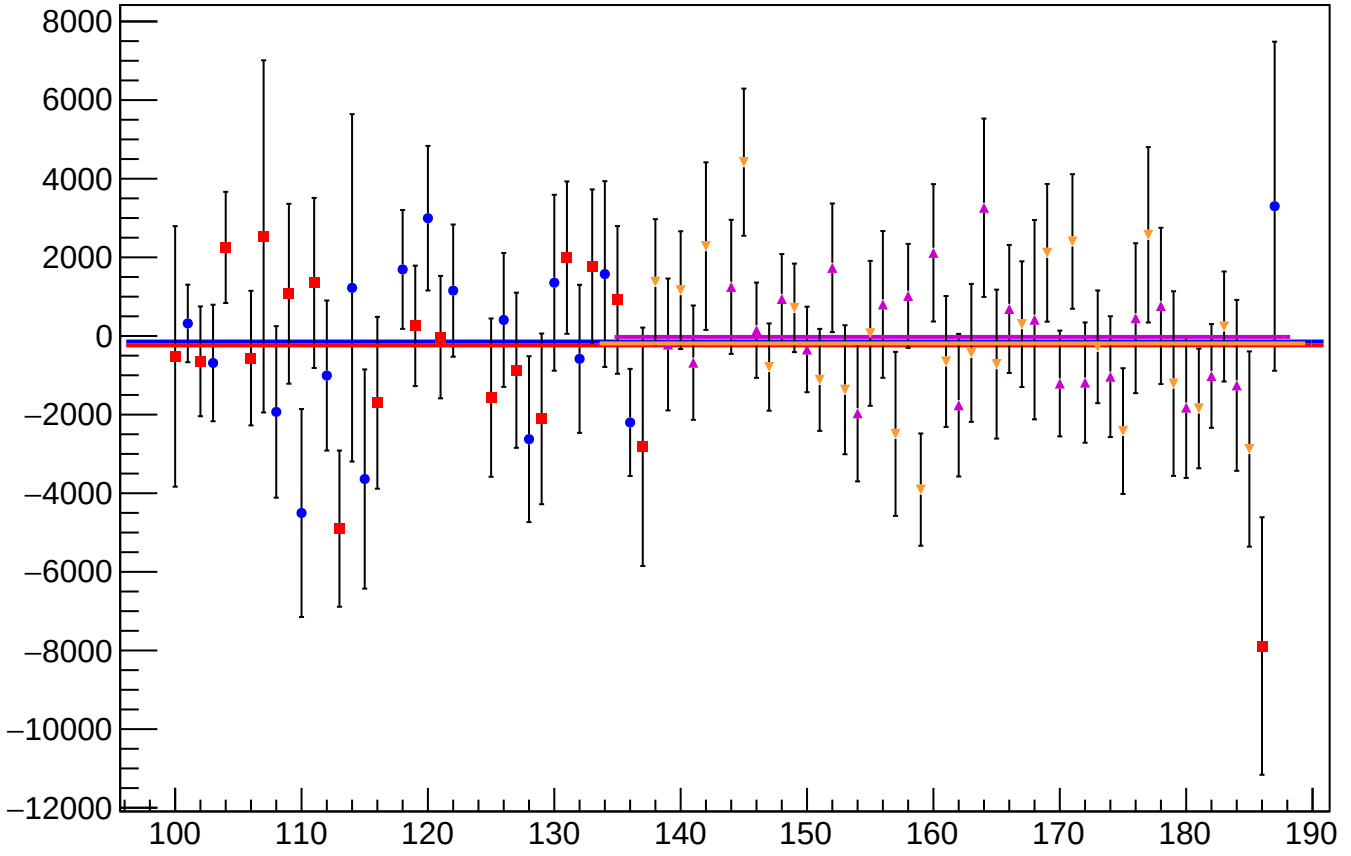
Right: 785.898+/-0.143 χ^2/NDF: 26762.1/35

In: 780.212+/-0.109 χ^2/NDF:16595.6/39

Out: 781.947+/-0.108 χ^2/NDF:19224.8/42

All: 781.087+/-0.077 χ^2/NDF: 35948.9/82

asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: -238.751+/-450.488 χ^2/NDF: 20.8/18

Left In: -23.750+/-325.809 χ^2/NDF:13.5/22

Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

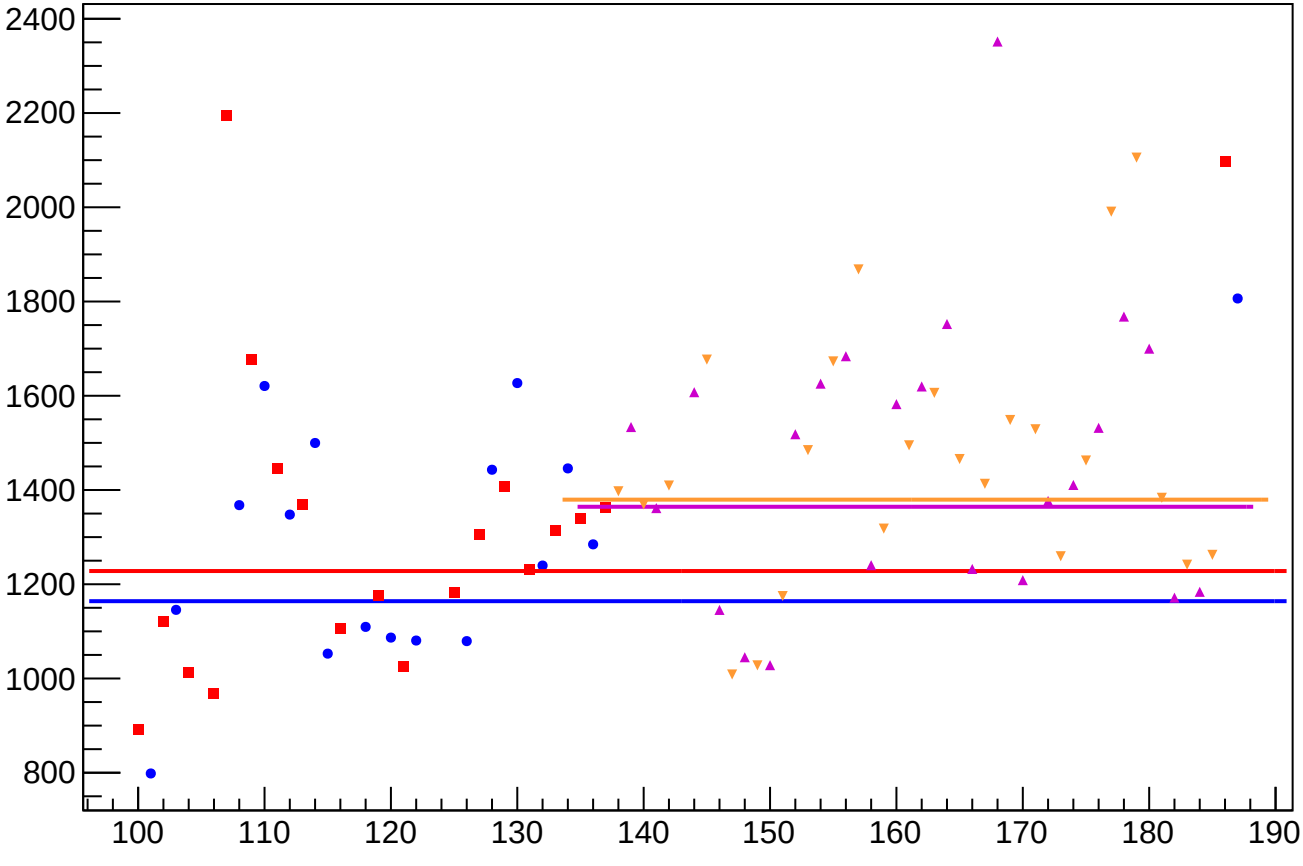
Right: -188.922+/-314.163 χ^2/NDF: 36.9/35

In: -65.739+/-261.490 χ^2/NDF:29.6/39

Out: -206.218+/-264.989 χ^2/NDF:50.4/42

All: -135.045+/-186.126 χ^2/NDF: 80.1/82

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

Right Out: 1228.036+/-0.319 χ^2/NDF: 541497.3/18

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

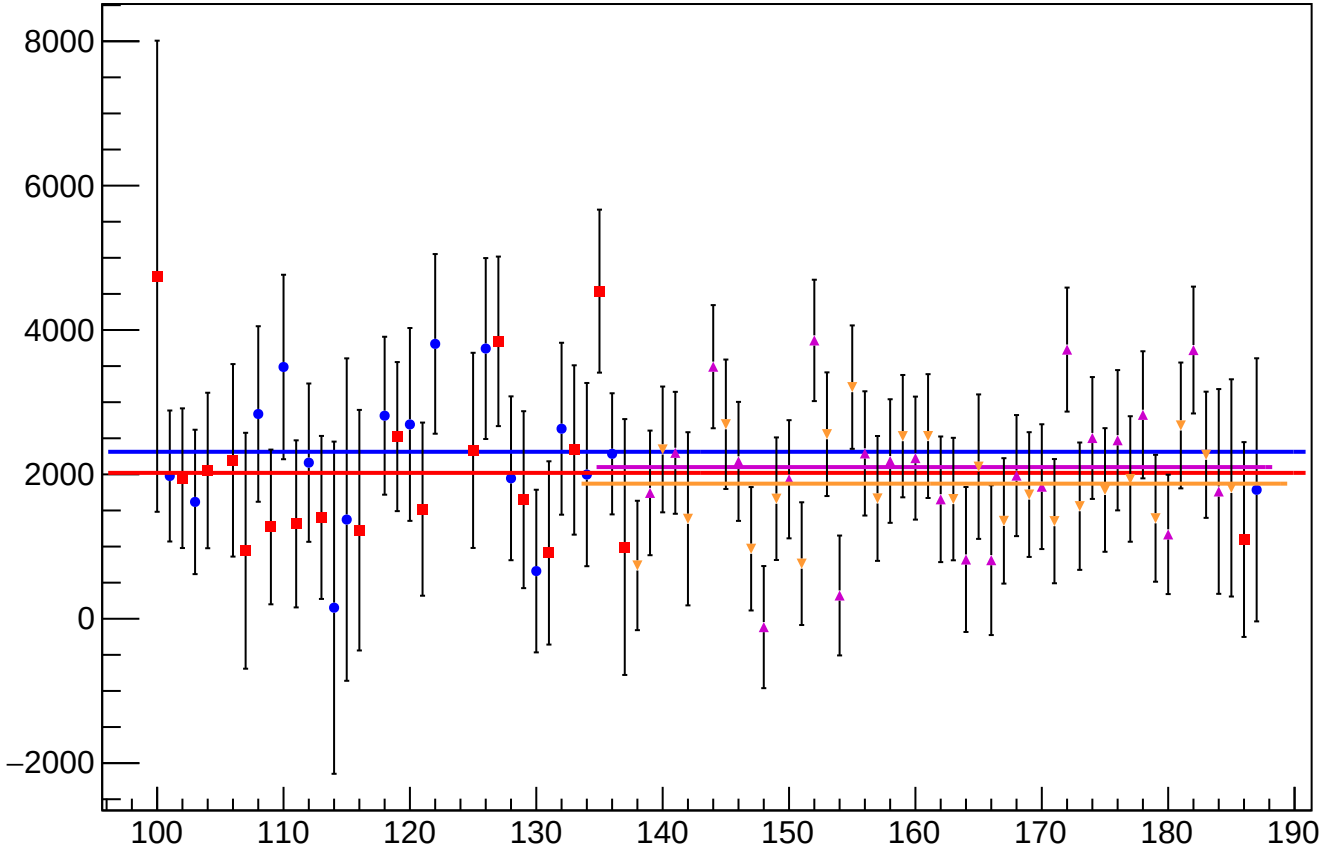
Right: 1195.181+/-0.222 χ^2/NDF: 1178970.3/35

In: 1293.120+/-0.185 χ^2/NDF:2198156.9/39

Out: 1327.115+/-0.187 χ^2/NDF:1847896.2/42

All: 1309.892+/-0.132 χ^2/NDF: 4062729.8/82

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2312.885+/-288.492 χ^2/NDF: 8.2/16

Left Out: 1871.457+/-181.976 χ^2/NDF:12.5/23

Right Out: 2020.807+/-285.199 χ^2/NDF: 12.1/18

Left In: 2101.047+/-183.179 χ^2/NDF:31.8/22

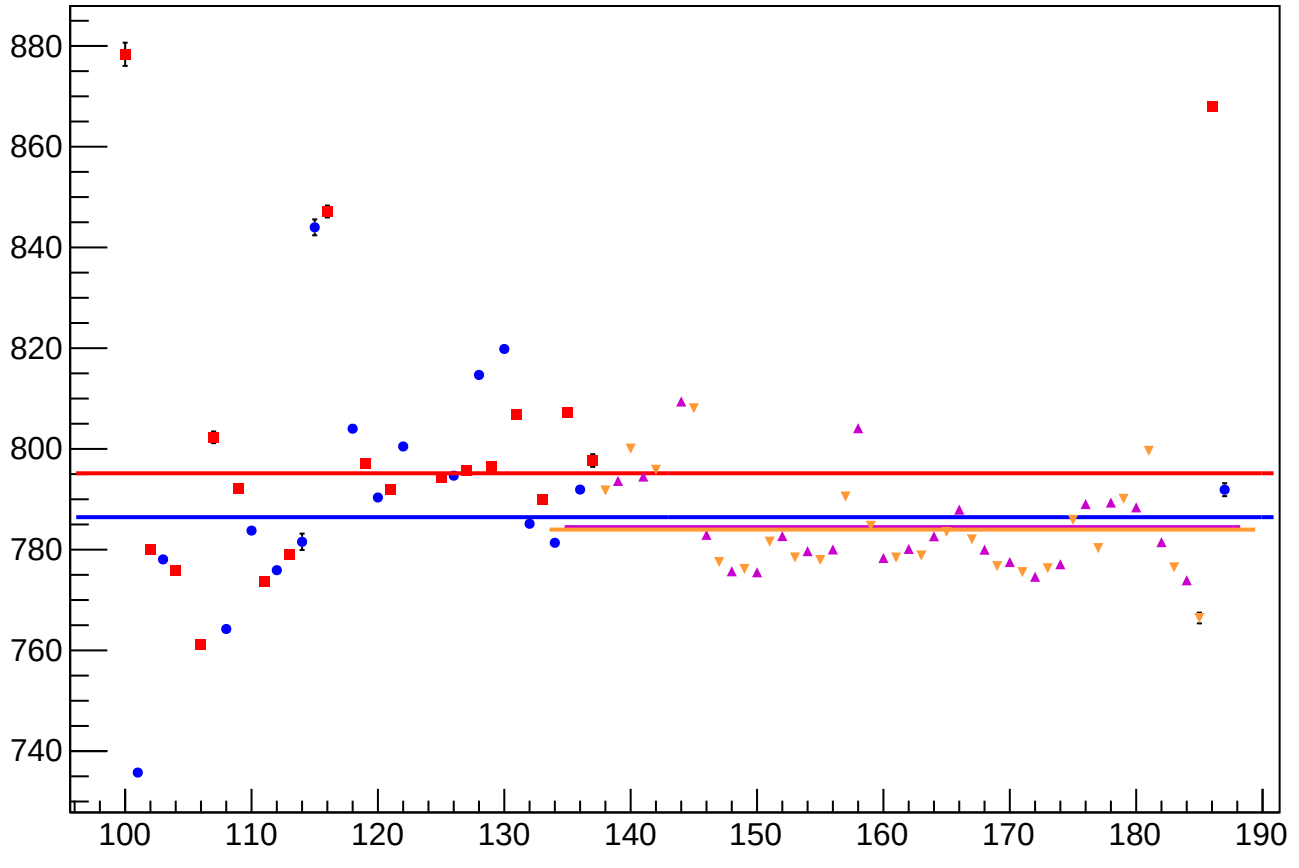
Left: 1985.496+/-129.100 χ^2/NDF: 45.0/46

Right: 2165.169+/-202.820 χ^2/NDF: 20.9/35

In: 2161.914+/-154.640 χ^2/NDF:40.4/39

Out: 1914.669+/-153.408 χ^2/NDF:24.8/42

All: 2037.303+/-108.909 χ^2/NDF: 66.5/82



Right In: 786.450+/-0.204 χ^2/NDF: 12589.5/16

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 795.165+/-0.202 χ^2/NDF: 13124.3/18

Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

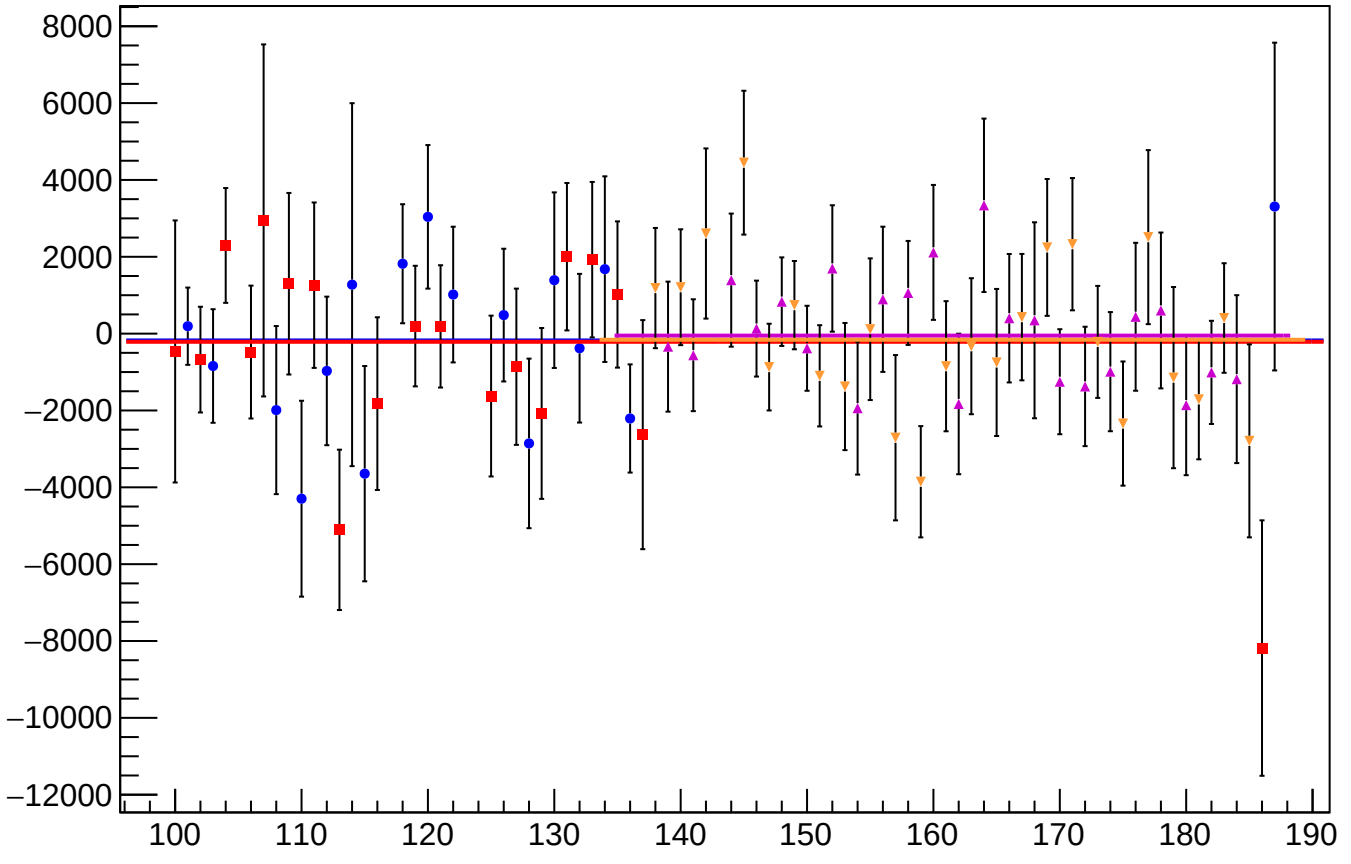
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 790.857+/-0.143 χ^2/NDF: 26636.9/35

In: 785.041+/-0.109 χ^2/NDF:17584.1/39

Out: 787.217+/-0.108 χ^2/NDF:20237.8/42

All: 786.138+/-0.077 χ^2/NDF: 38021.6/82



Right In: -177.473+/-447.061 χ^2/NDF: 16.0/16

Left Out: -159.275+/-332.190 χ^2/NDF:29.1/23

Right Out: -212.081+/-459.524 χ^2/NDF: 21.0/18

Left In: -51.975+/-330.206 χ^2/NDF:13.4/22

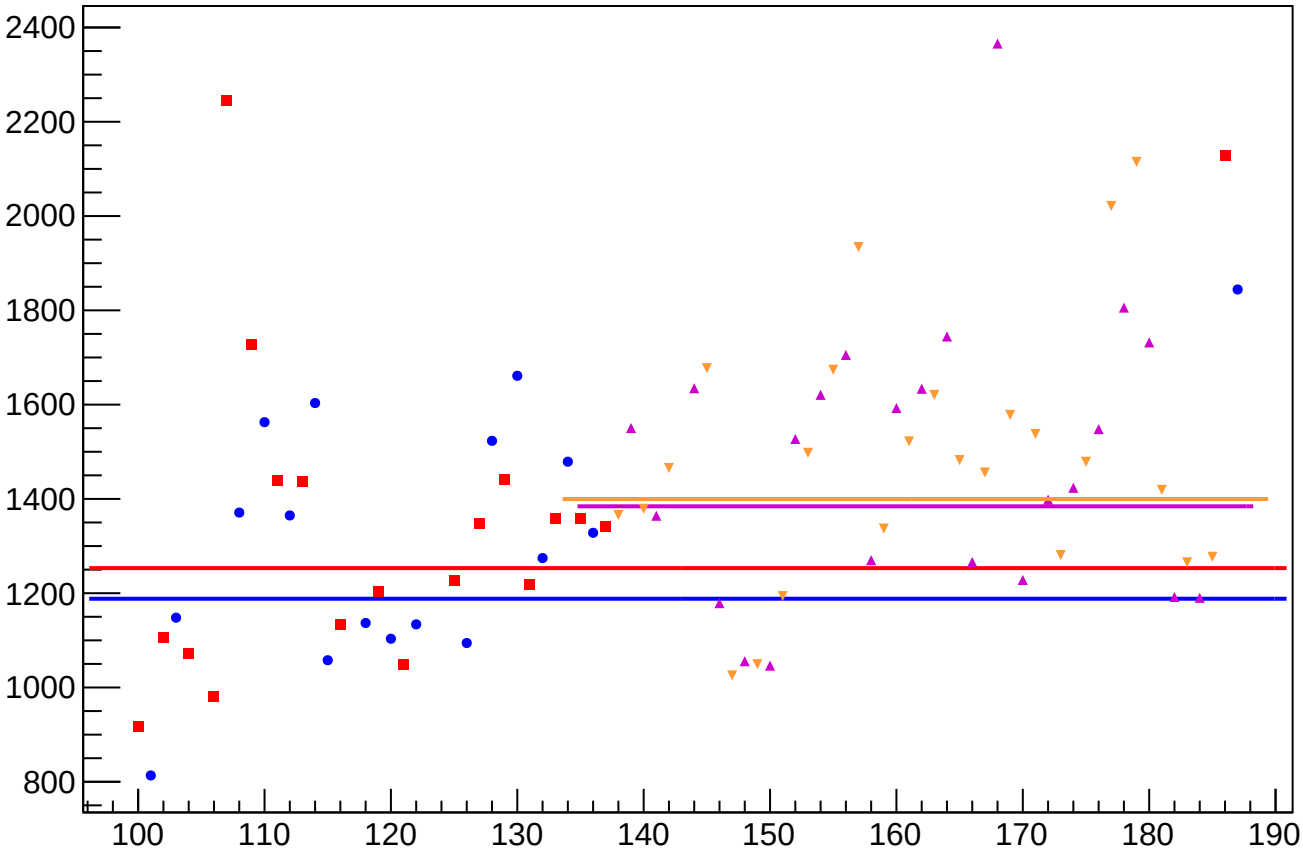
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: -194.302+/-320.435 χ^2/NDF: 37.0/35

In: -96.274+/-265.609 χ^2/NDF:29.4/39

Out: -177.399+/-269.213 χ^2/NDF:50.1/42

All: -136.290+/-189.075 χ^2/NDF: 79.6/82



Right In: 1188.284+/-0.316 χ^2/NDF: 618937.9/16

Left Out: 1399.717+/-0.235 χ^2/NDF:1136350.2/23

Right Out: 1253.177+/-0.325 χ^2/NDF: 538463.8/18

Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

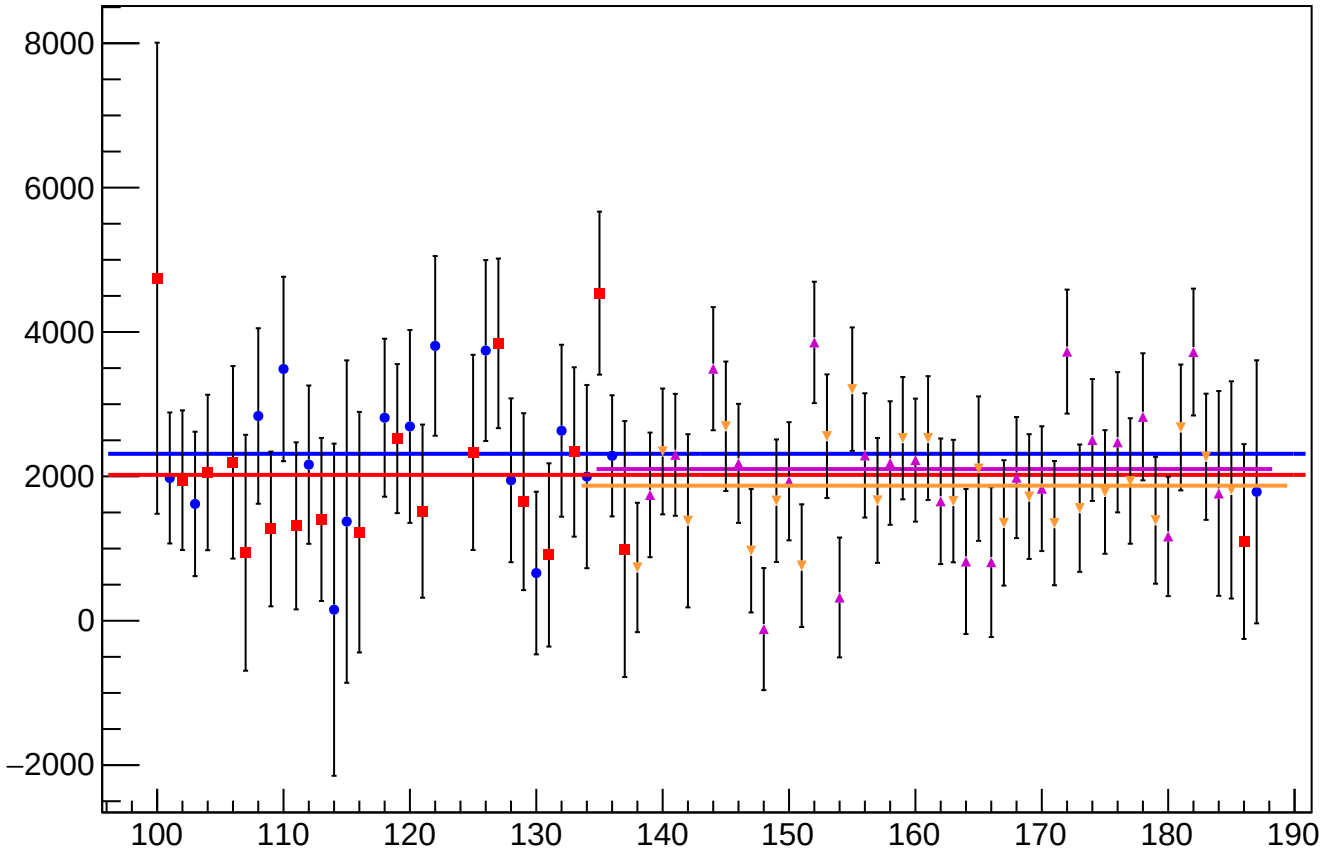
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1219.839+/-0.227 χ^2/NDF: 1177892.4/35

In: 1315.132+/-0.188 χ^2/NDF:2137727.5/39

Out: 1349.421+/-0.190 χ^2/NDF:1808394.3/42

All: 1332.045+/-0.134 χ^2/NDF: 3962563.4/82



Right In: 2312.885+/-288.492 χ^2/NDF: 8.2/16

Left Out: 1871.455+/-181.976 χ^2/NDF:12.5/23

Right Out: 2020.805+/-285.199 χ^2/NDF: 12.1/18

Left In: 2101.047+/-183.179 χ^2/NDF:31.8/22

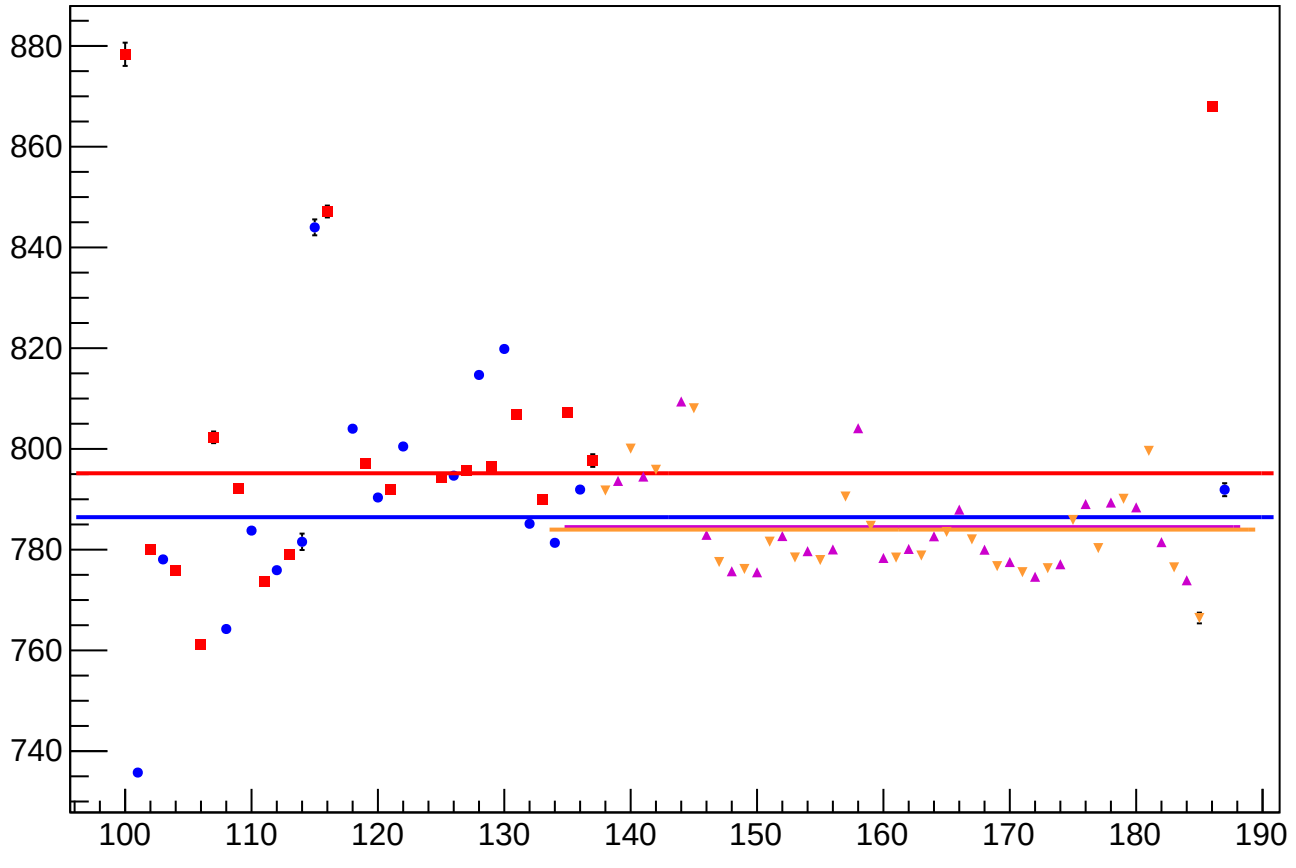
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2165.169+/-202.820 χ^2/NDF: 20.9/35

In: 2161.914+/-154.640 χ^2/NDF:40.4/39

Out: 1914.667+/-153.408 χ^2/NDF:24.8/42

All: 2037.302+/-108.909 χ^2/NDF: 66.5/82



Right In: 786.450+/-0.204 χ^2/NDF: 12589.4/16

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 795.165+/-0.202 χ^2/NDF: 13124.3/18

Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

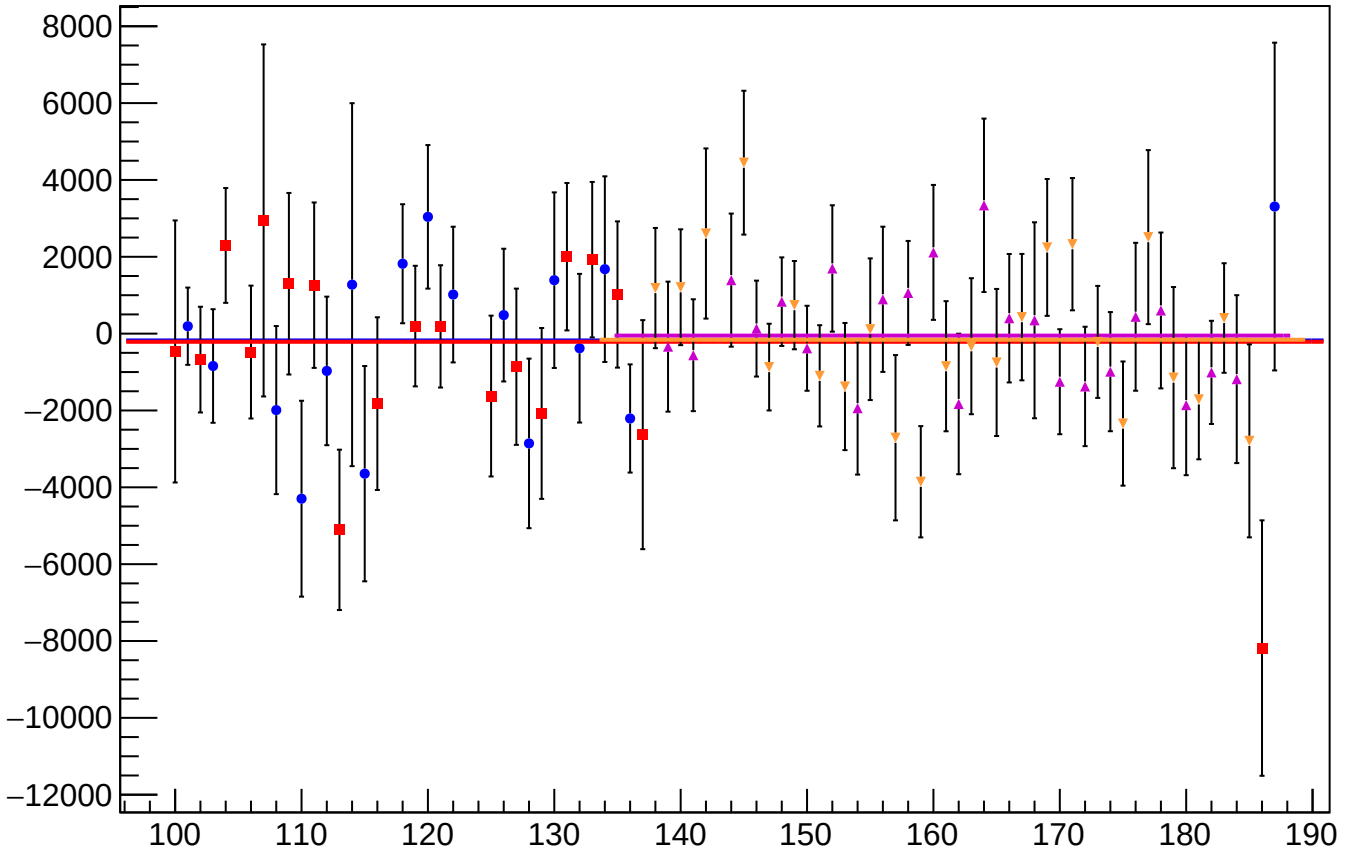
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 790.857+/-0.143 χ^2/NDF: 26636.8/35

In: 785.041+/-0.109 χ^2/NDF:17584.1/39

Out: 787.217+/-0.108 χ^2/NDF:20237.7/42

All: 786.138+/-0.077 χ^2/NDF: 38021.4/82



Right In: -177.473+/-447.060 χ^2/NDF: 16.0/16

Left Out: -159.278+/-332.191 χ^2/NDF:29.1/23

Right Out: -212.079+/-459.523 χ^2/NDF: 21.0/18

Left In: -51.975+/-330.207 χ^2/NDF:13.4/22

Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

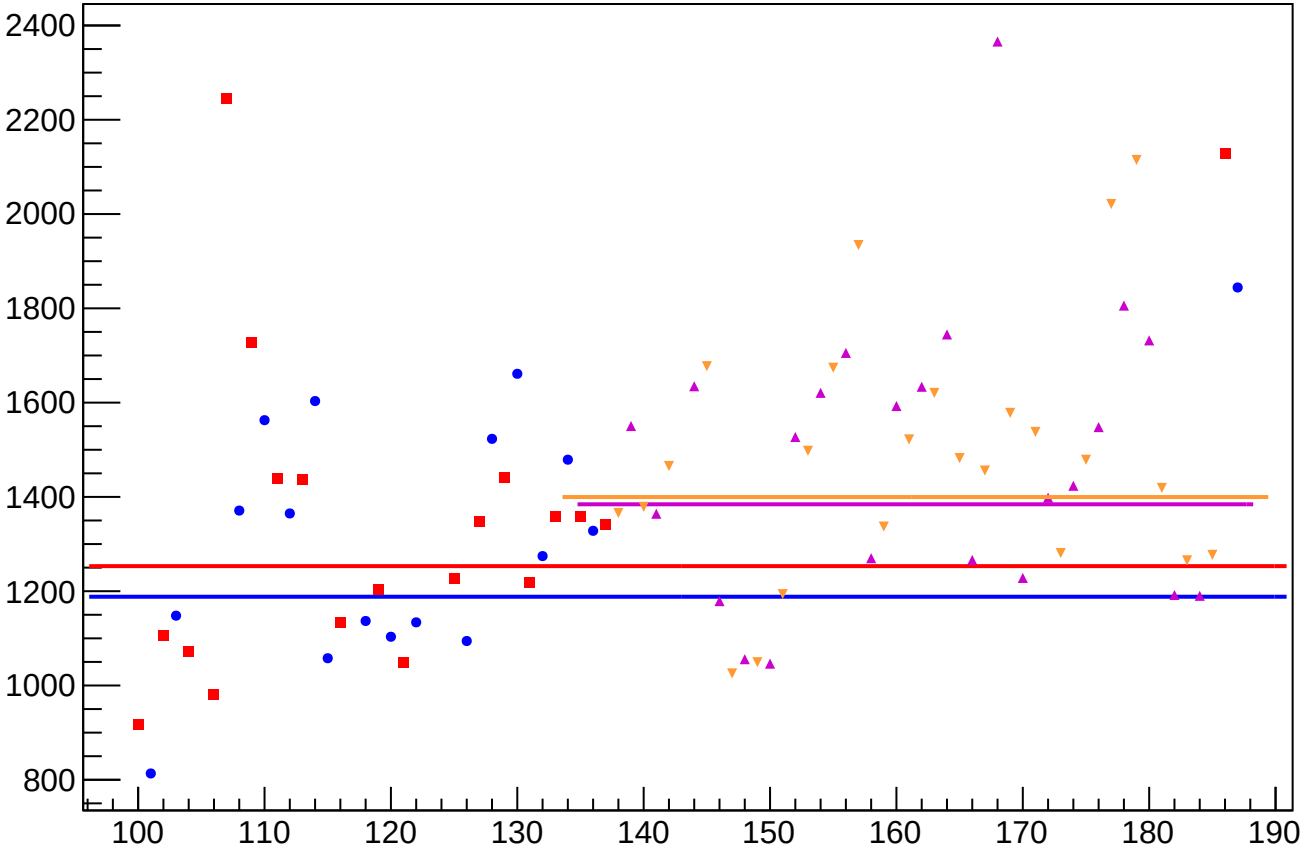
Right: -194.300+/-320.434 χ^2/NDF: 37.0/35

In: -96.274+/-265.609 χ^2/NDF:29.4/39

Out: -177.401+/-269.213 χ^2/NDF:50.1/42

All: -136.290+/-189.075 χ^2/NDF: 79.6/82

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1188.281+/-0.316 χ^2/NDF: 618936.4/16

Left Out: 1399.720+/-0.235 χ^2/NDF:1136351.3/23

Right Out: 1253.174+/-0.325 χ^2/NDF: 538464.3/18

Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

Left: 1391.982+/-0.166 χ^2/NDF: 2408445.8/46

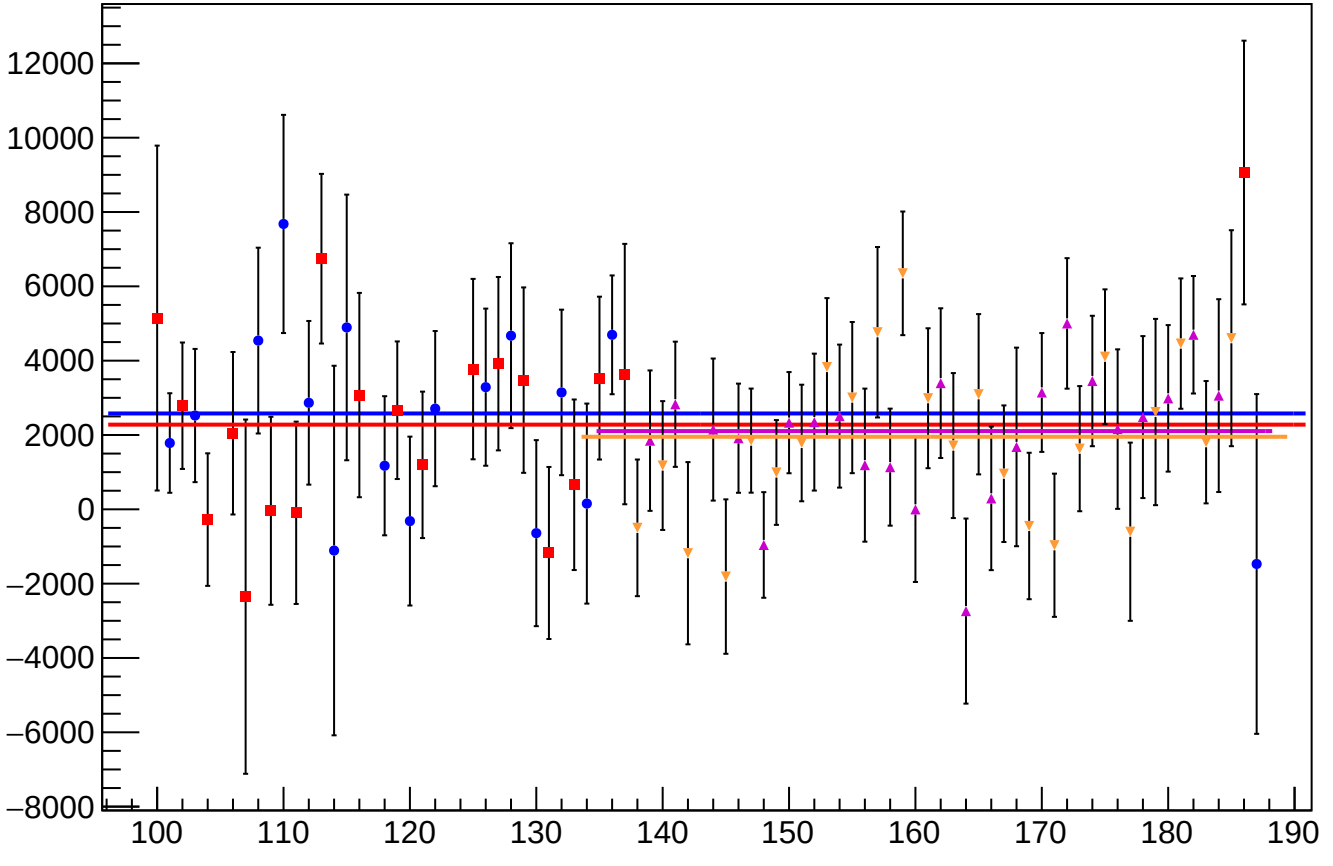
Right: 1219.836+/-0.227 χ^2/NDF: 1177891.1/35

In: 1315.132+/-0.188 χ^2/NDF:2137741.0/39

Out: 1349.421+/-0.190 χ^2/NDF:1808407.1/42

All: 1332.046+/-0.134 χ^2/NDF: 3962589.7/82

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2579.295+/-534.346 χ^2/NDF: 13.1/16

Left Out: 1952.406+/-380.269 χ^2/NDF:27.4/23

Right Out: 2278.678+/-541.080 χ^2/NDF: 17.5/18

Left In: 2105.415+/-379.051 χ^2/NDF:18.6/22

Left: 2029.156+/-268.459 χ^2/NDF: 46.0/46

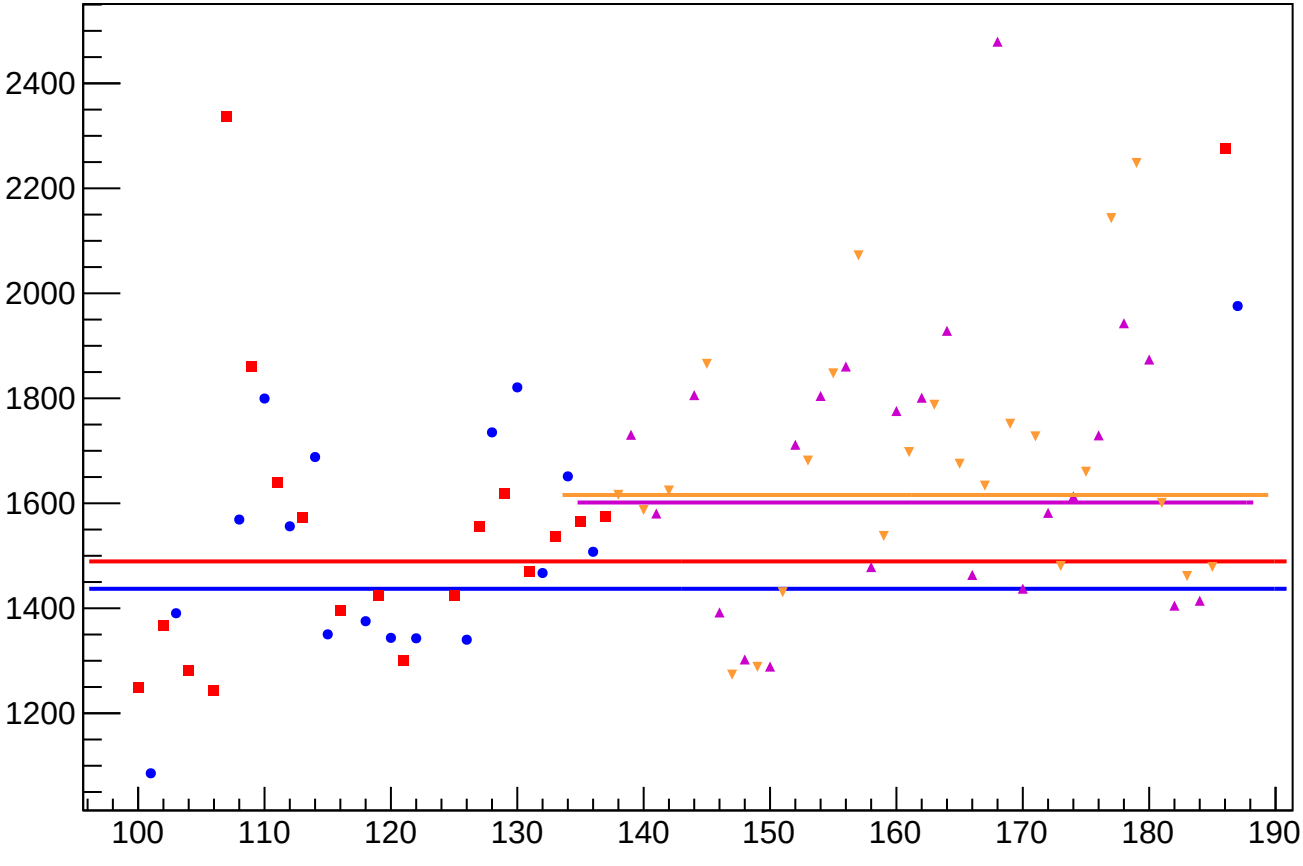
Right: 2430.869+/-380.198 χ^2/NDF: 30.7/35

In: 2264.050+/-309.163 χ^2/NDF:32.2/39

Out: 2060.279+/-311.119 χ^2/NDF:45.1/42

All: 2162.807+/-219.300 χ^2/NDF: 77.5/82

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1437.116+/-0.378 χ^2/NDF: 321544.4/16

Left Out: 1615.853+/-0.269 χ^2/NDF:694353.3/23

Right Out: 1489.280+/-0.383 χ^2/NDF: 318557.4/18

Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

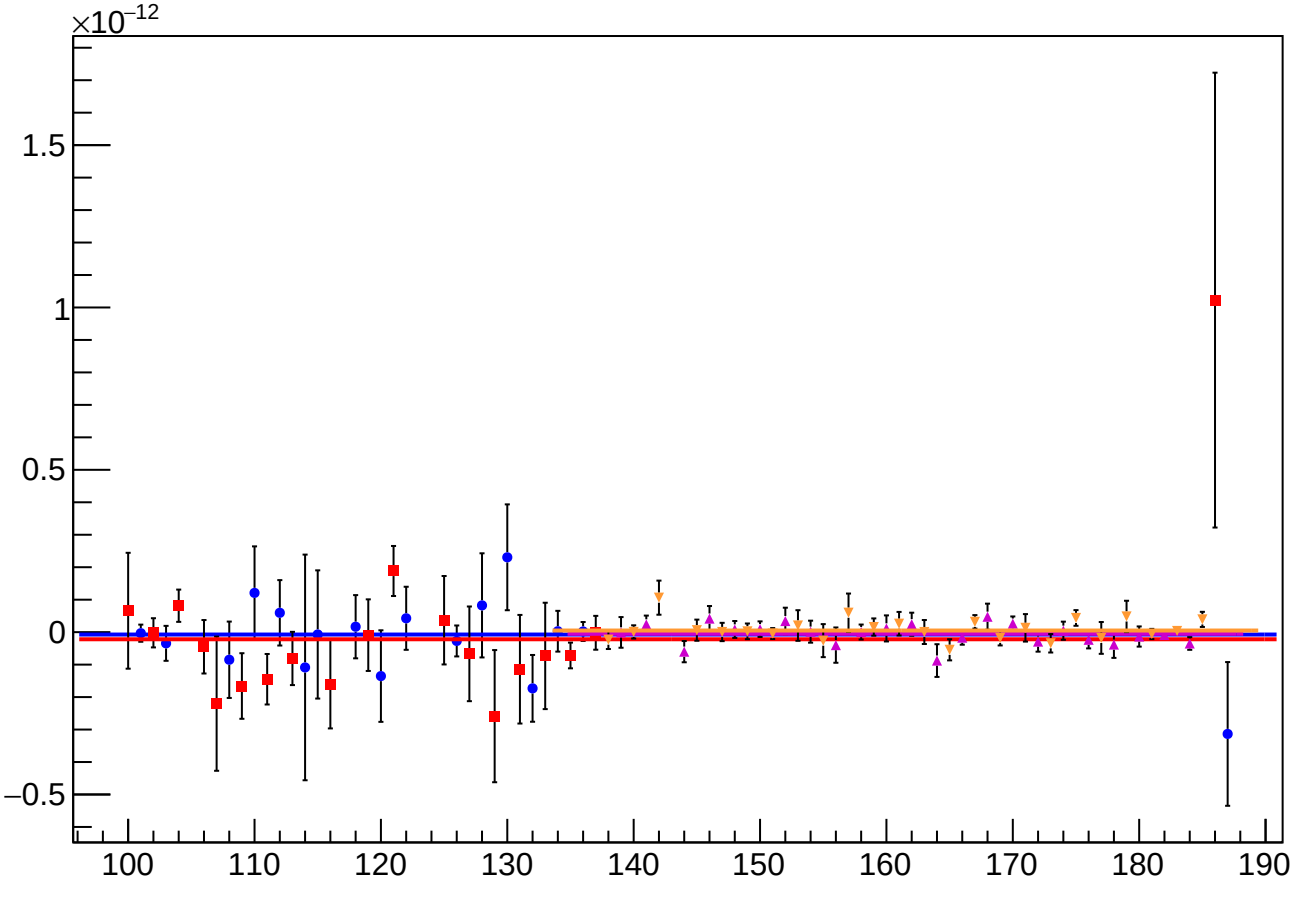
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1462.871+/-0.269 χ^2/NDF: 649512.4/35

In: 1546.469+/-0.219 χ^2/NDF:1241178.4/39

Out: 1574.005+/-0.220 χ^2/NDF:1086170.7/42

All: 1560.150+/-0.155 χ^2/NDF: 2335232.3/82



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/22

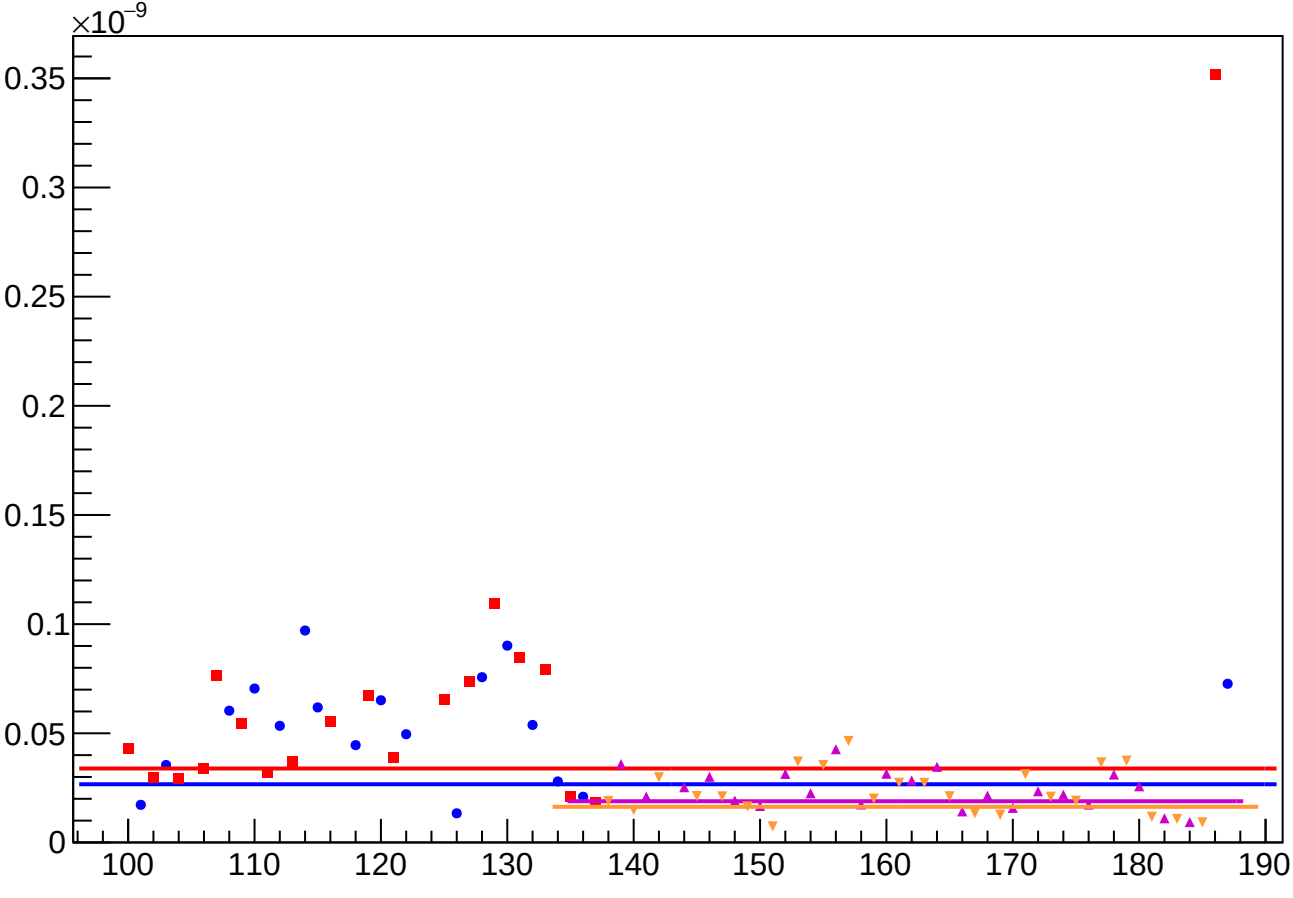
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 36.1/35

In: -0.000+/-0.000 χ^2/NDF:29.8/39

Out: 0.000+/-0.000 χ^2/NDF:48.3/42

All: -0.000+/-0.000 χ^2/NDF: 79.4/82



Right In: 0.000+/-0.000 χ^2/NDF: 2225365.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4263140.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2123767.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

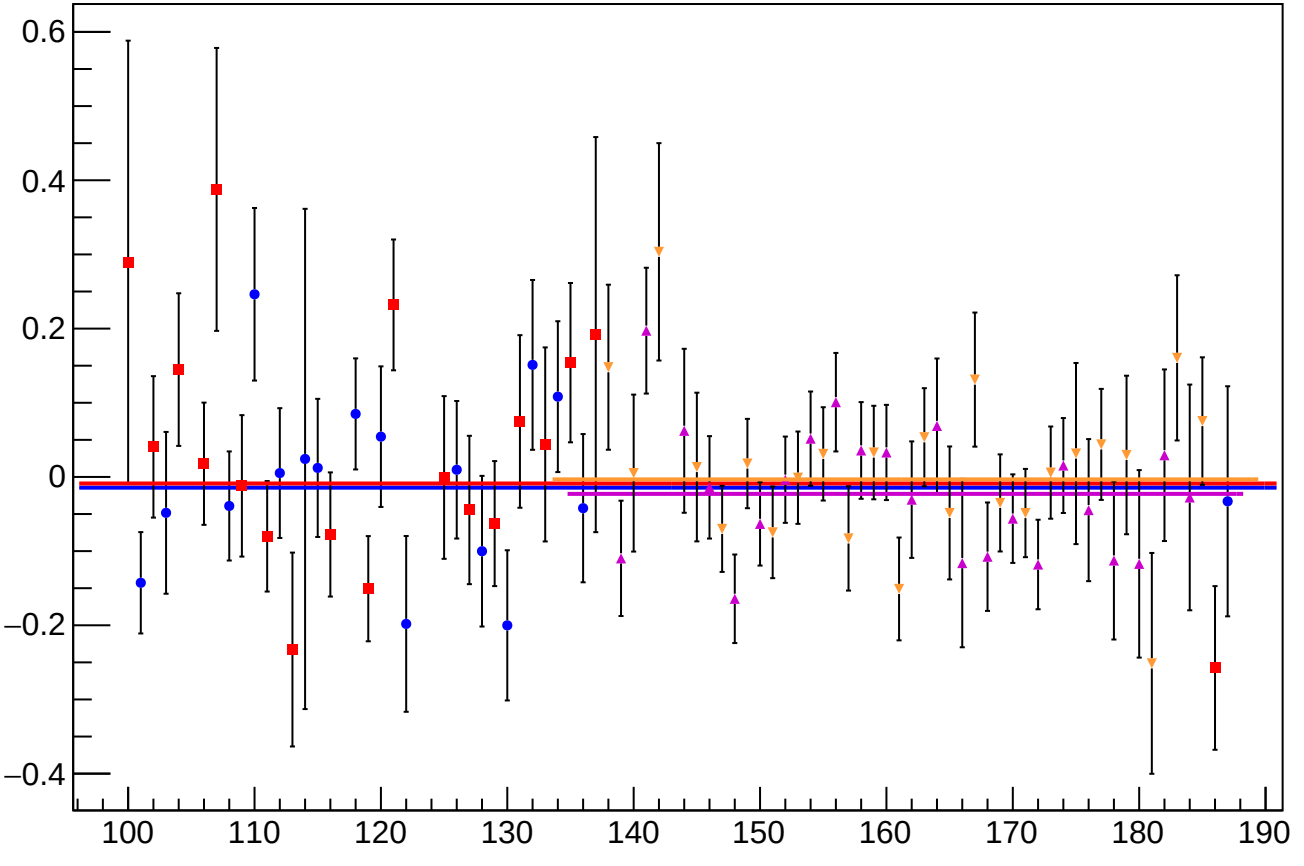
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 4535073.1/35

In: 0.000+/-0.000 χ^2/NDF:5941023.7/39

Out: 0.000+/-0.000 χ^2/NDF:8101519.3/42

All: 0.000+/-0.000 χ^2/NDF: 14213604.4/82



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: -0.009+/-0.023 χ^2/NDF: 33.1/18

Left In: -0.023+/-0.015 χ^2/NDF:29.0/22

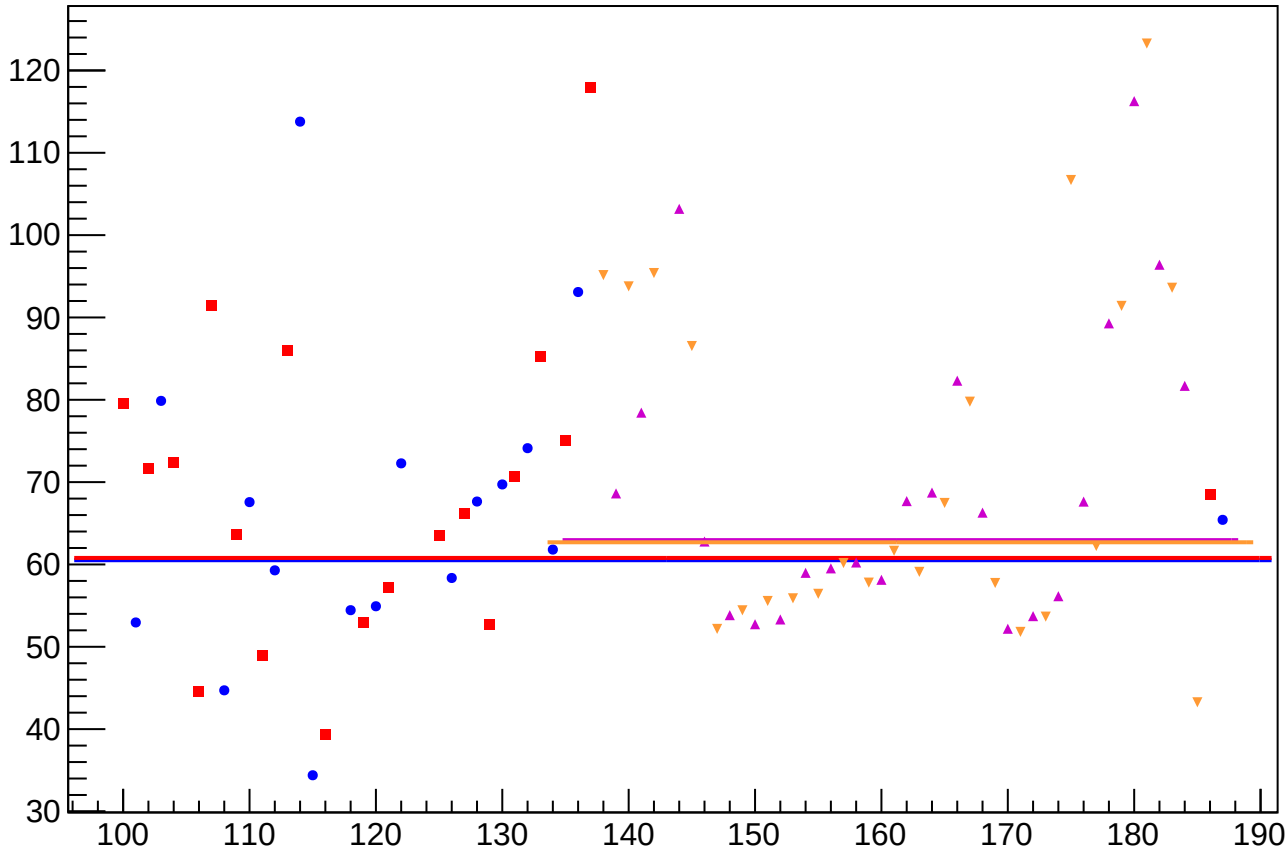
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.012+/-0.017 χ^2/NDF: 54.5/35

In: -0.020+/-0.013 χ^2/NDF:50.4/39

Out: -0.005+/-0.013 χ^2/NDF:59.0/42

All: -0.013+/-0.009 χ^2/NDF: 110.1/82



Right In: 60.515+/-0.017 χ^2/NDF: 705203.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

Right Out: 60.793+/-0.016 χ^2/NDF: 721343.5/18

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

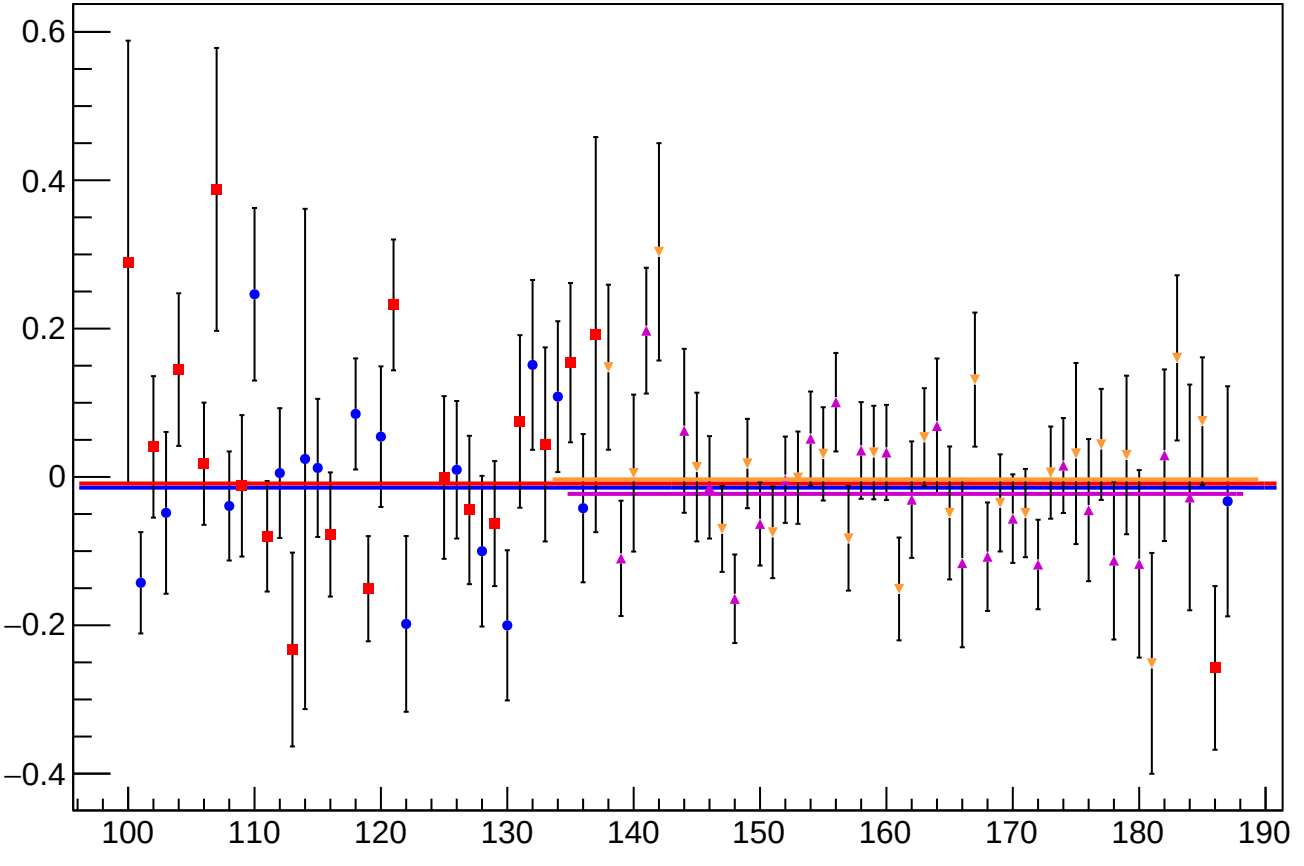
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 60.656+/-0.012 χ^2/NDF: 1426687.8/35

In: 62.220+/-0.009 χ^2/NDF:2150587.2/39

Out: 62.110+/-0.009 χ^2/NDF:2669995.8/42

All: 62.165+/-0.006 χ^2/NDF: 4820655.6/82



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: -0.009+/-0.023 χ^2/NDF: 33.1/18

Left In: -0.023+/-0.015 χ^2/NDF:29.0/22

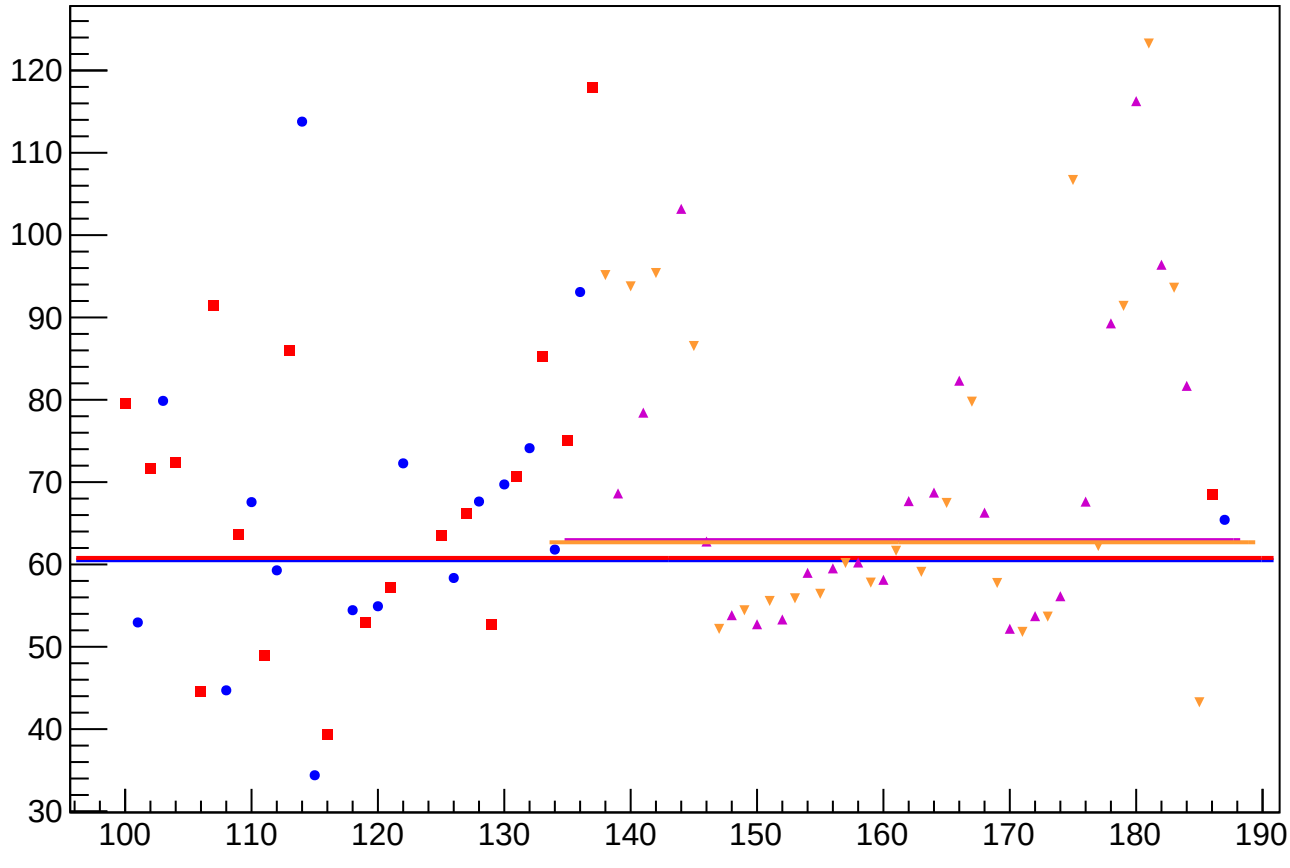
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.012+/-0.017 χ^2/NDF: 54.5/35

In: -0.020+/-0.013 χ^2/NDF:50.4/39

Out: -0.005+/-0.013 χ^2/NDF:59.0/42

All: -0.013+/-0.009 χ^2/NDF: 110.1/82



Right In: 60.515+/-0.017 χ^2/NDF: 705203.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

Right Out: 60.793+/-0.016 χ^2/NDF: 721343.5/18

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

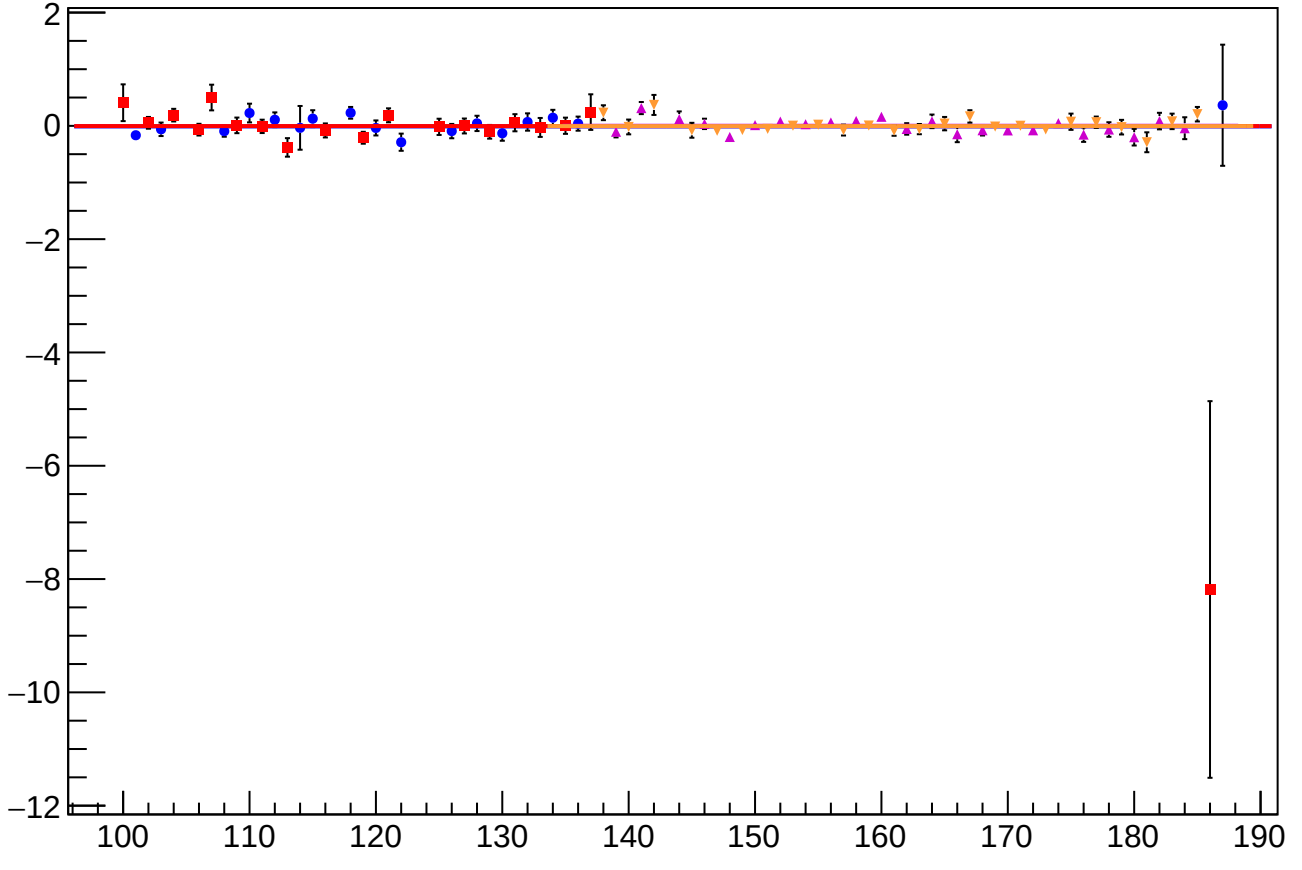
Right: 60.656+/-0.012 χ^2/NDF: 1426687.8/35

In: 62.220+/-0.009 χ^2/NDF:2150587.2/39

Out: 62.110+/-0.009 χ^2/NDF:2669995.8/42

All: 62.165+/-0.006 χ^2/NDF: 4820655.6/82

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.032 χ^2/NDF: 20.3/16

Left Out: -0.004+/-0.021 χ^2/NDF:21.4/23

Right Out: -0.004+/-0.032 χ^2/NDF: 29.7/18

Left In: 0.002+/-0.021 χ^2/NDF:30.5/22

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

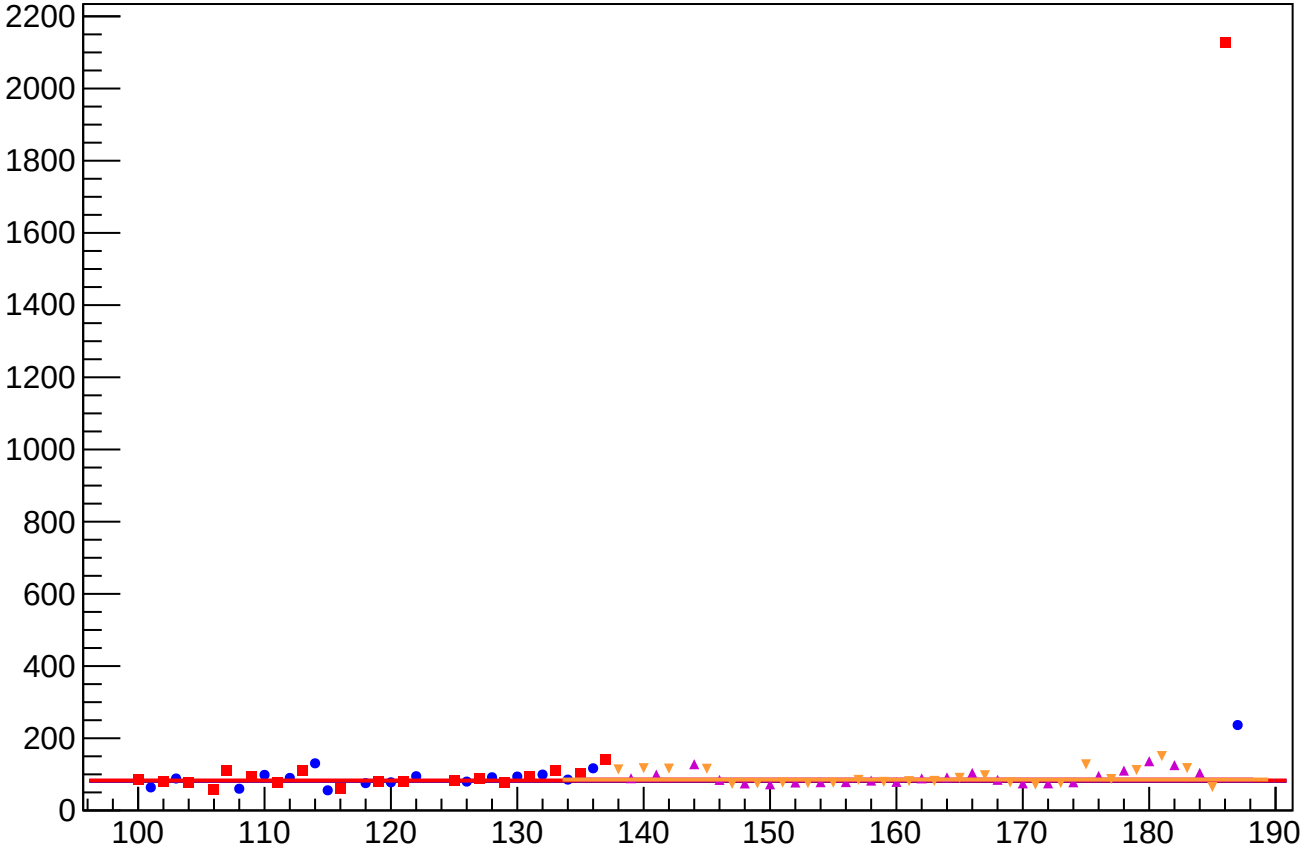
Right: -0.007+/-0.022 χ^2/NDF: 50.0/35

In: -0.002+/-0.017 χ^2/NDF:50.9/39

Out: -0.004+/-0.017 χ^2/NDF:51.1/42

All: -0.003+/-0.012 χ^2/NDF: 102.0/82

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.799+/-0.022 χ^2/NDF: 603812.2/16

Left Out: 85.650+/-0.015 χ^2/NDF:1352748.5/23

Right Out: 82.888+/-0.022 χ^2/NDF: 1230130.0/18

Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

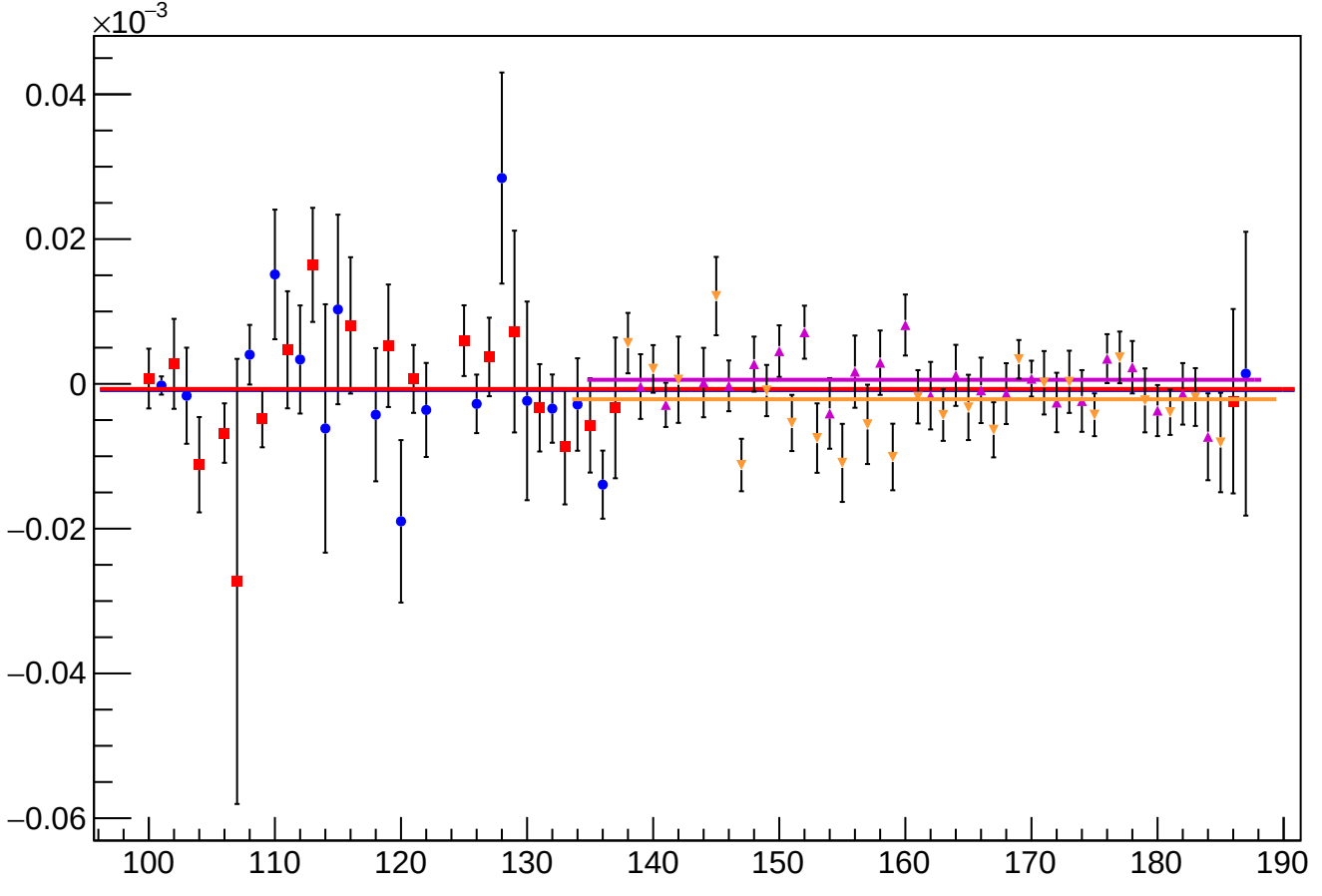
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 82.341+/-0.016 χ^2/NDF: 1835124.2/35

In: 84.515+/-0.012 χ^2/NDF:1620801.0/39

Out: 84.827+/-0.012 χ^2/NDF:2593515.7/42

All: 84.671+/-0.009 χ^2/NDF: 4214641.0/82



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.6/22

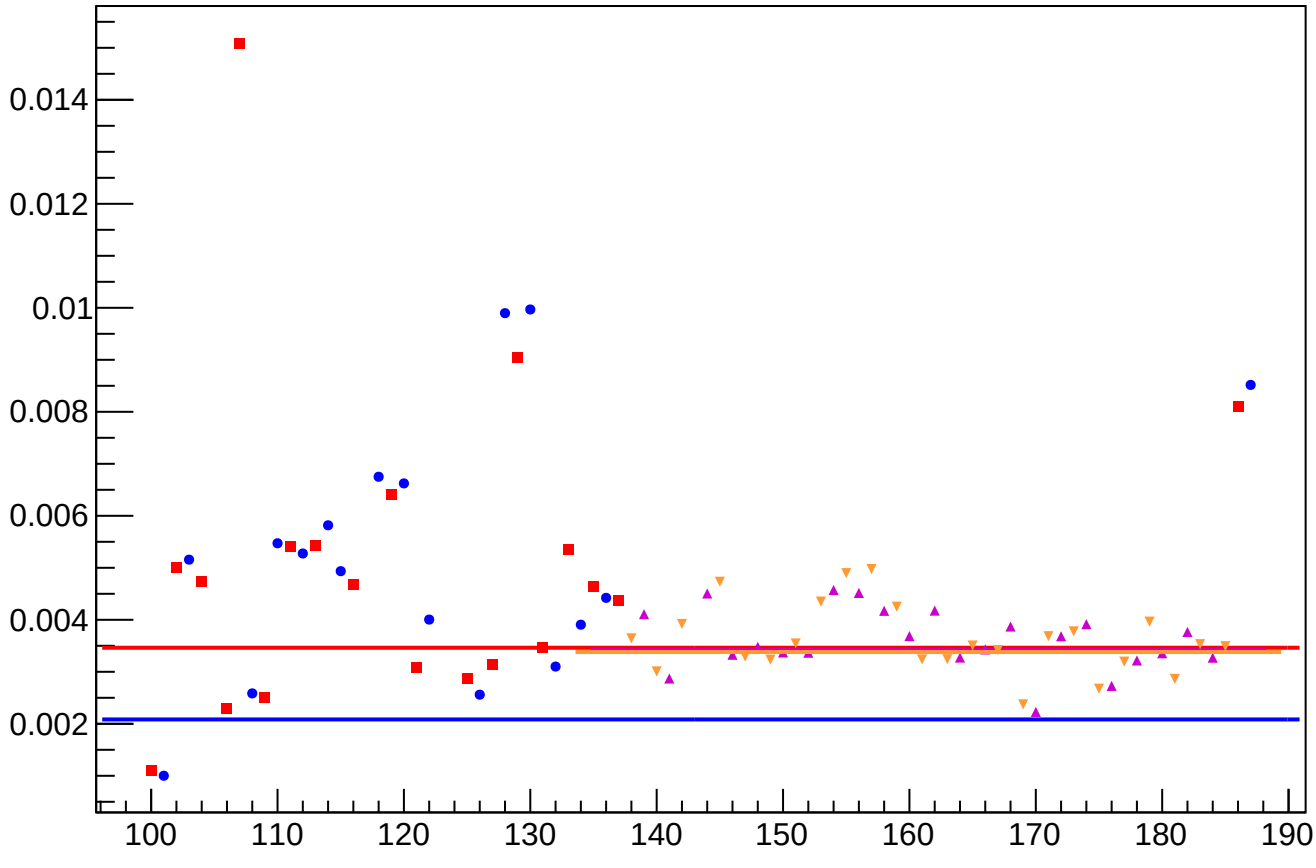
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 39.7/35

In: 0.000+/-0.000 χ^2/NDF:39.1/39

Out: -0.000+/-0.000 χ^2/NDF:56.6/42

All: -0.000+/-0.000 χ^2/NDF: 99.2/82



Right In: 0.002+/-0.000 χ^2/NDF: 6029307.6/16

Left Out: 0.003+/-0.000 χ^2/NDF:1195636.0/23

Right Out: 0.003+/-0.000 χ^2/NDF: 2760954.7/18

Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

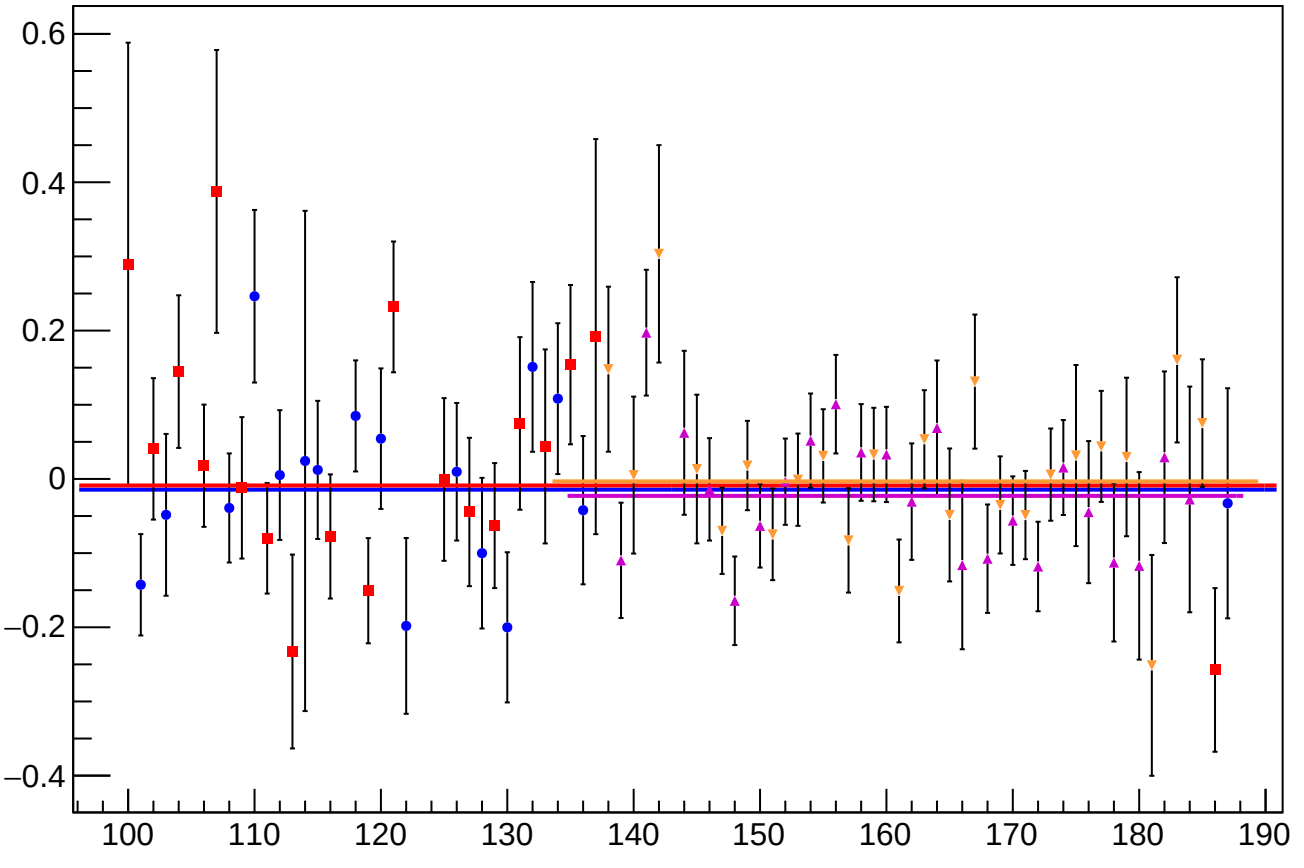
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.003+/-0.000 χ^2/NDF: 10049574.7/35

In: 0.003+/-0.000 χ^2/NDF:9313763.6/39

Out: 0.003+/-0.000 χ^2/NDF:3961658.2/42

All: 0.003+/-0.000 χ^2/NDF: 13863252.5/82



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: -0.009+/-0.023 χ^2/NDF: 33.1/18

Left In: -0.023+/-0.015 χ^2/NDF:29.0/22

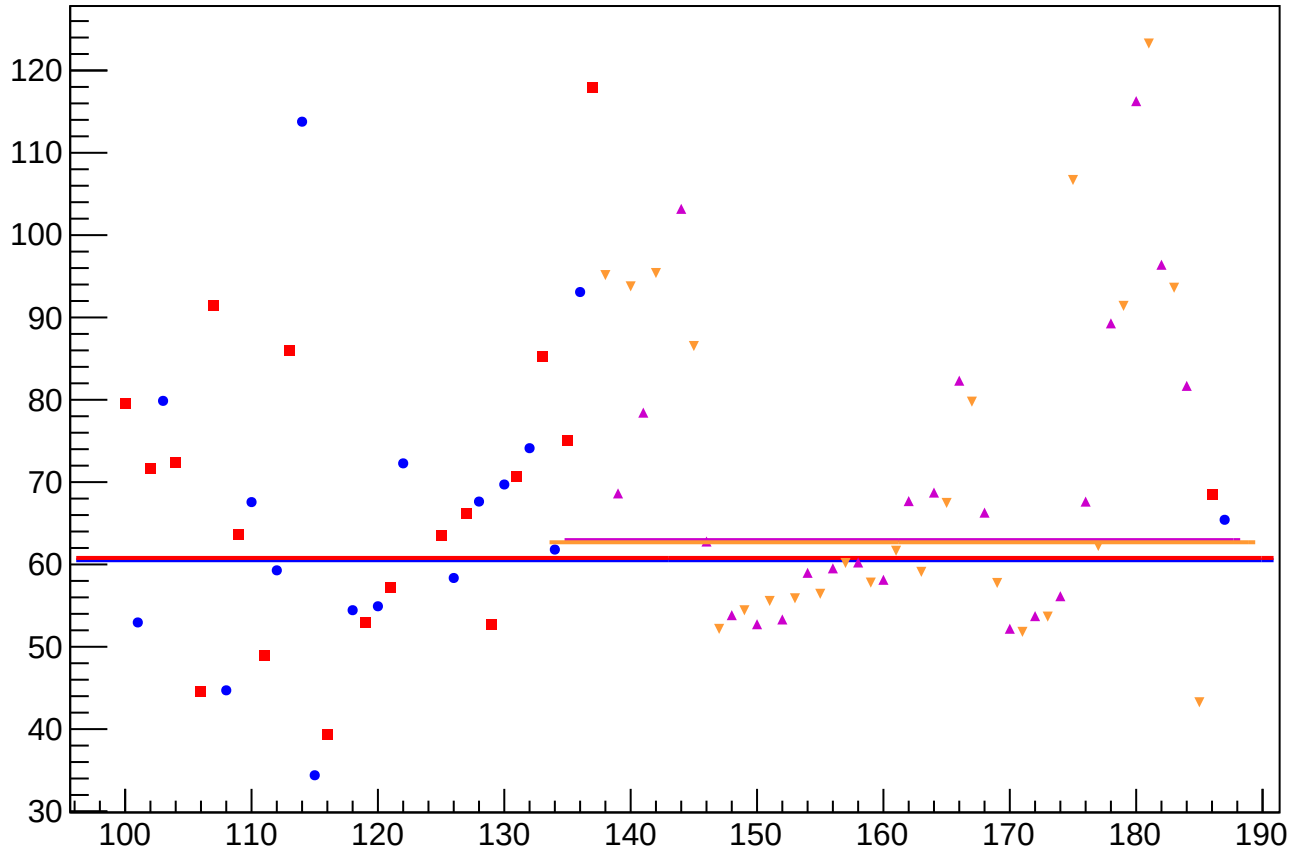
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.012+/-0.017 χ^2/NDF: 54.5/35

In: -0.020+/-0.013 χ^2/NDF:50.4/39

Out: -0.005+/-0.013 χ^2/NDF:59.0/42

All: -0.013+/-0.009 χ^2/NDF: 110.1/82



Right In: 60.514+/-0.017 χ^2/NDF: 705220.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

Right Out: 60.792+/-0.016 χ^2/NDF: 721375.6/18

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

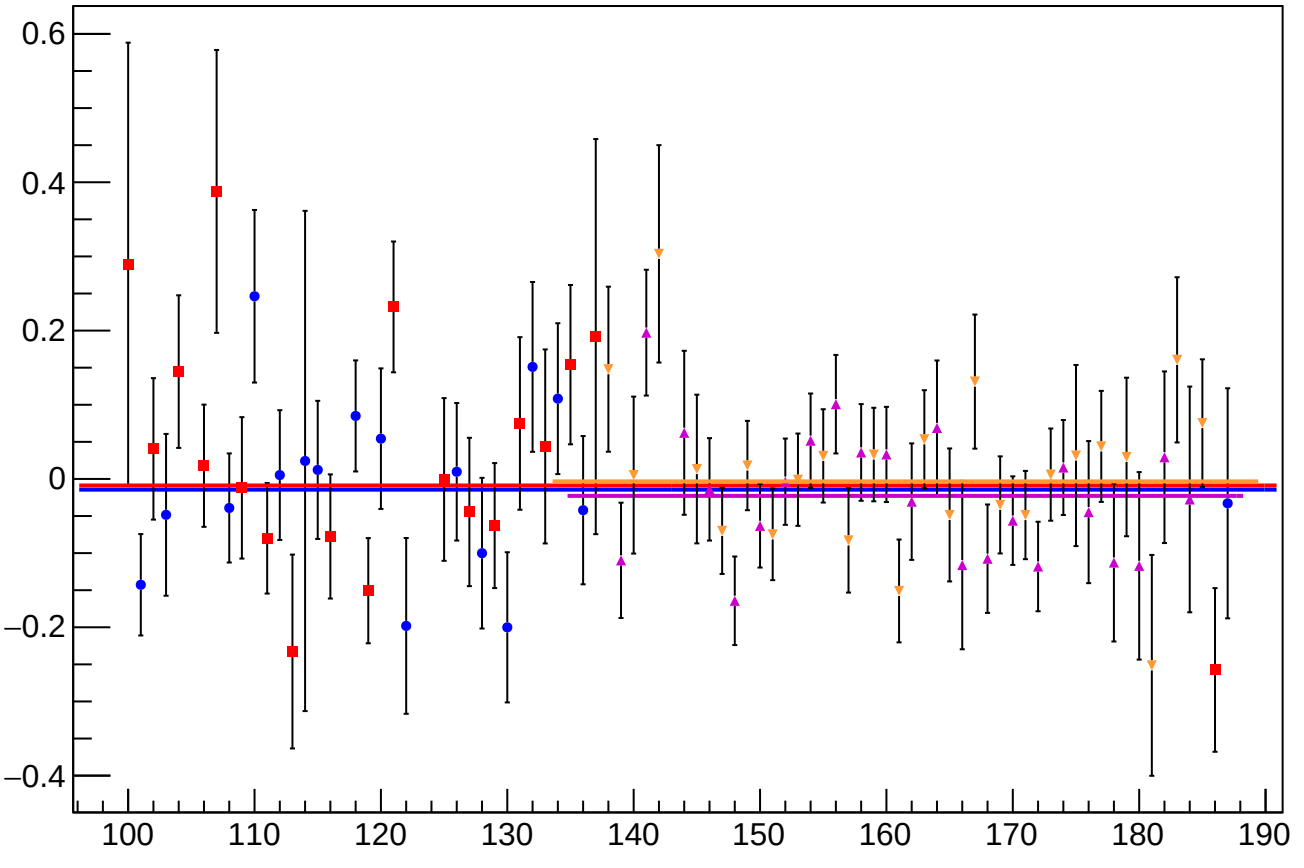
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 60.655+/-0.012 χ^2/NDF: 1426736.5/35

In: 62.220+/-0.009 χ^2/NDF:2150599.2/39

Out: 62.110+/-0.009 χ^2/NDF:2670030.7/42

All: 62.164+/-0.006 χ^2/NDF: 4820702.6/82



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: -0.009+/-0.023 χ^2/NDF: 33.1/18

Left In: -0.023+/-0.015 χ^2/NDF:29.0/22

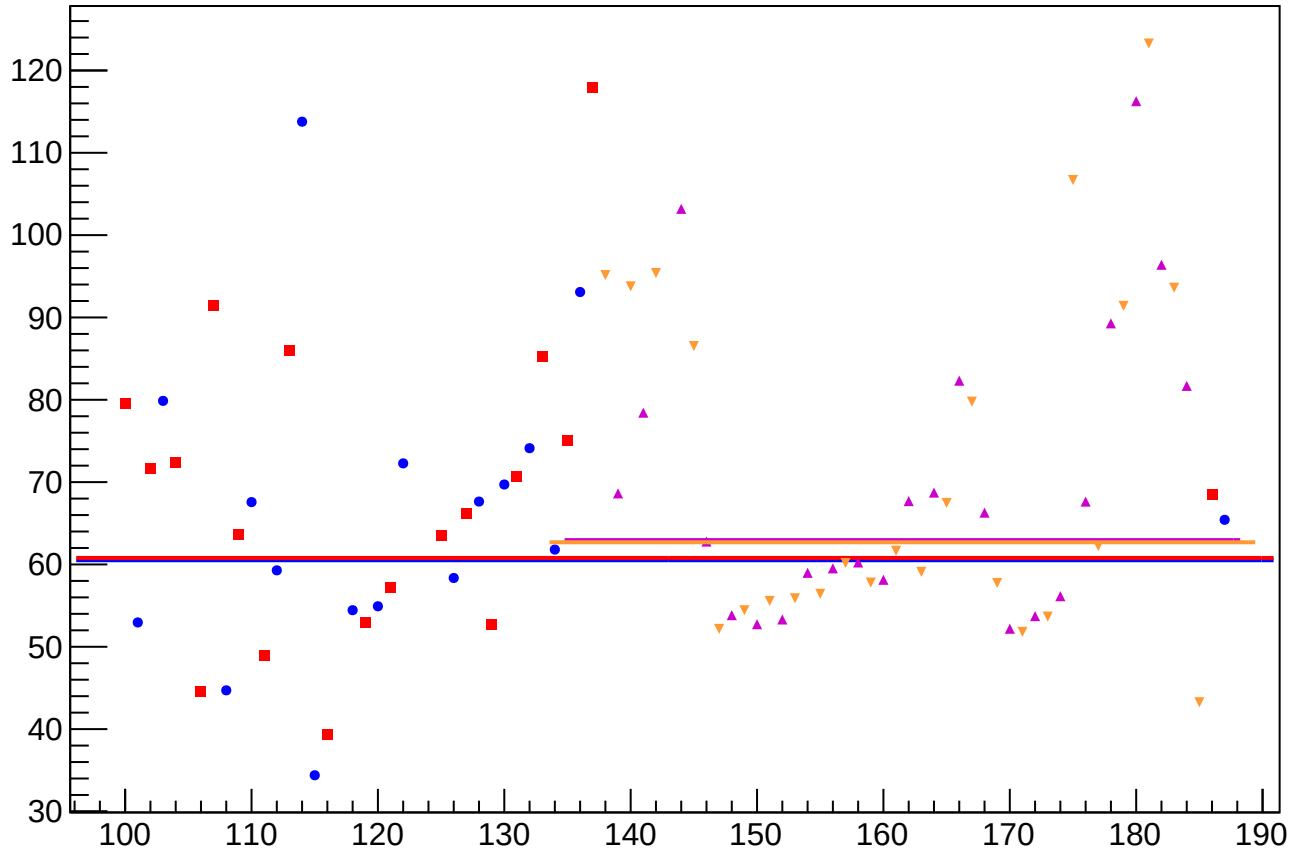
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.012+/-0.017 χ^2/NDF: 54.5/35

In: -0.020+/-0.013 χ^2/NDF:50.4/39

Out: -0.005+/-0.013 χ^2/NDF:59.0/42

All: -0.013+/-0.009 χ^2/NDF: 110.1/82



Right In: 60.514+/-0.017 χ^2/NDF: 705220.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

Right Out: 60.792+/-0.016 χ^2/NDF: 721375.6/18

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

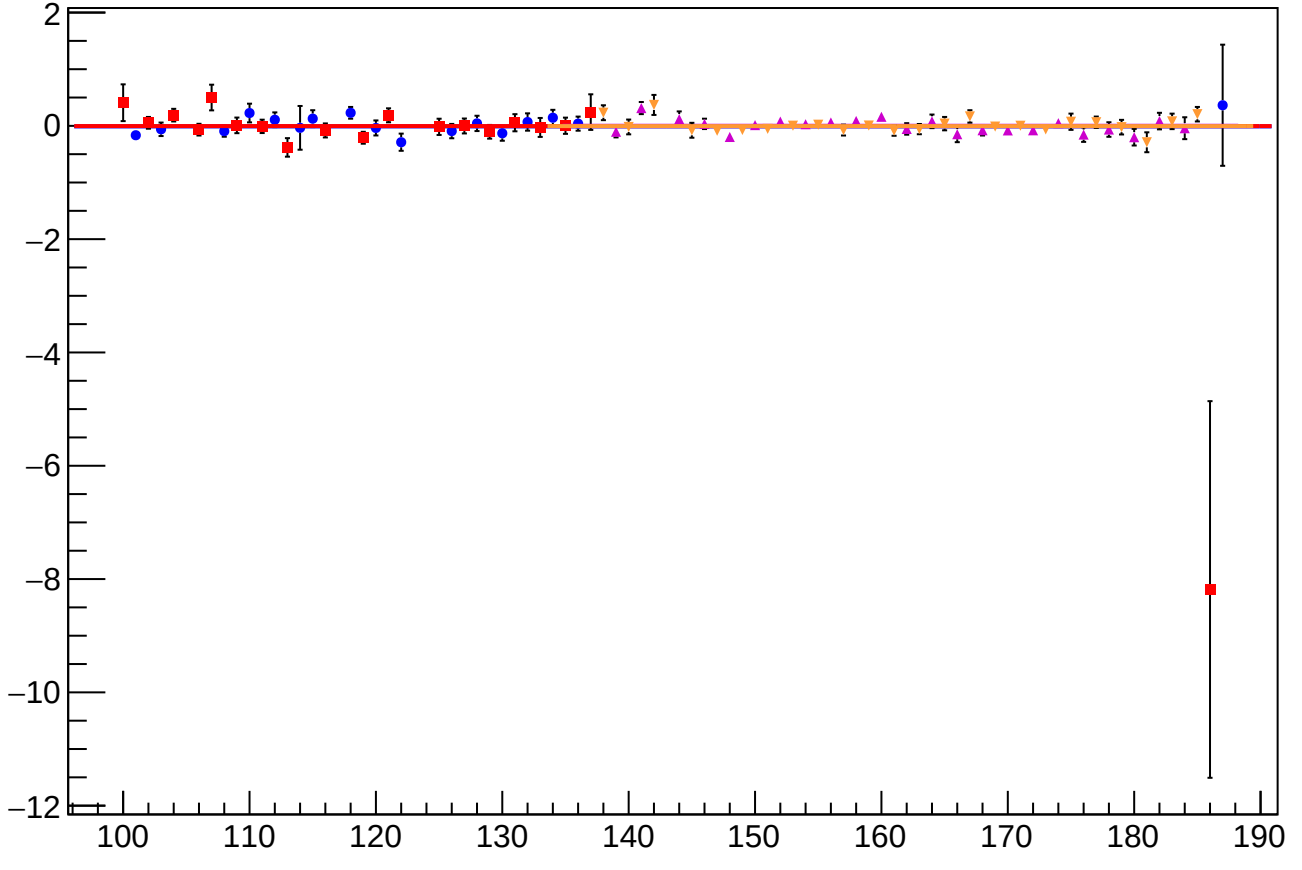
Right: 60.655+/-0.012 χ^2/NDF: 1426736.5/35

In: 62.220+/-0.009 χ^2/NDF:2150599.2/39

Out: 62.110+/-0.009 χ^2/NDF:2670030.7/42

All: 62.164+/-0.006 χ^2/NDF: 4820702.6/82

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.032 χ^2/NDF: 20.3/16

Left Out: -0.004+/-0.021 χ^2/NDF:21.4/23

Right Out: -0.004+/-0.032 χ^2/NDF: 29.7/18

Left In: 0.002+/-0.021 χ^2/NDF:30.5/22

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

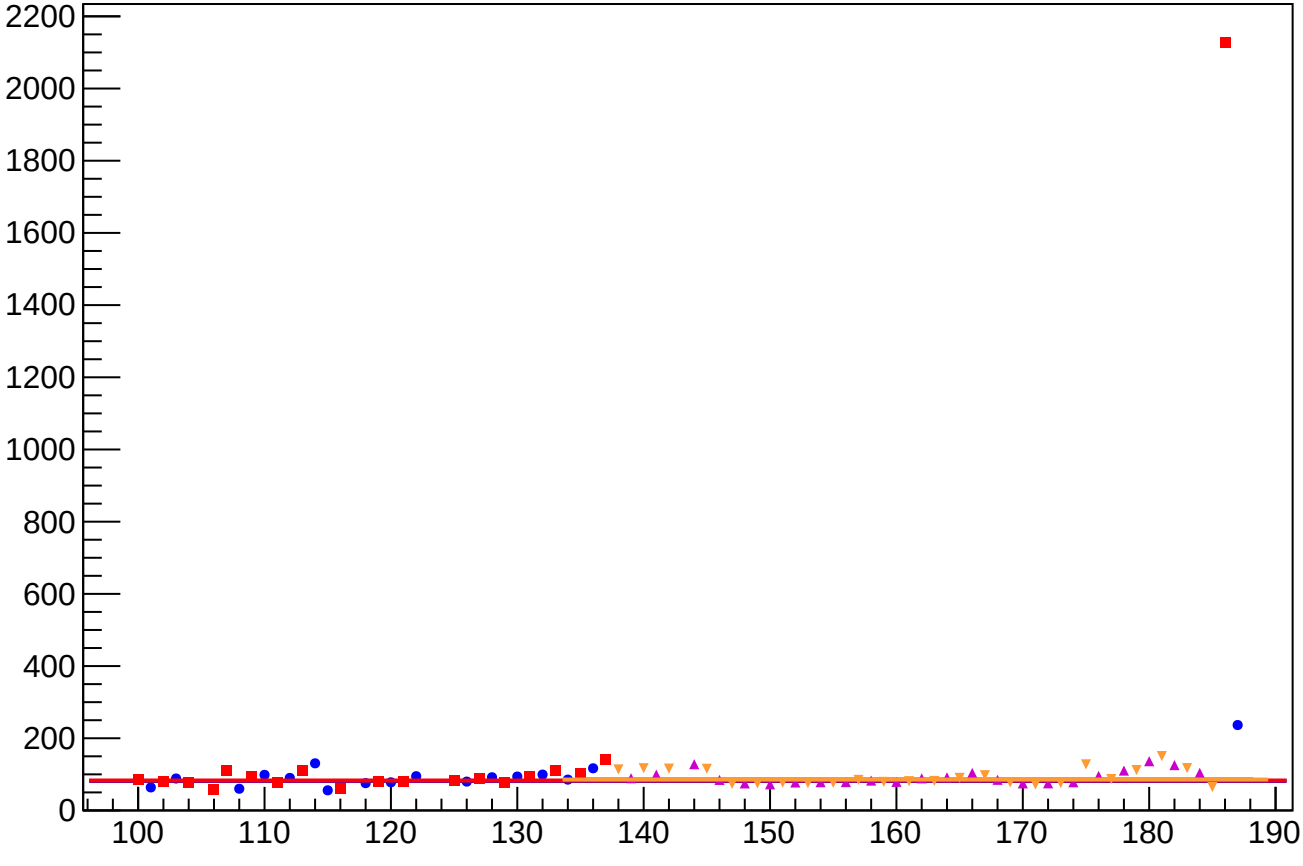
Right: -0.007+/-0.022 χ^2/NDF: 50.0/35

In: -0.002+/-0.017 χ^2/NDF:50.9/39

Out: -0.004+/-0.017 χ^2/NDF:51.1/42

All: -0.003+/-0.012 χ^2/NDF: 102.0/82

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.798+/-0.022 χ^2/NDF: 603800.0/16

Left Out: 85.651+/-0.015 χ^2/NDF:1352738.9/23

Right Out: 82.887+/-0.022 χ^2/NDF: 1230127.6/18

Left In: 85.679+/-0.015 χ^2/NDF:995860.8/22

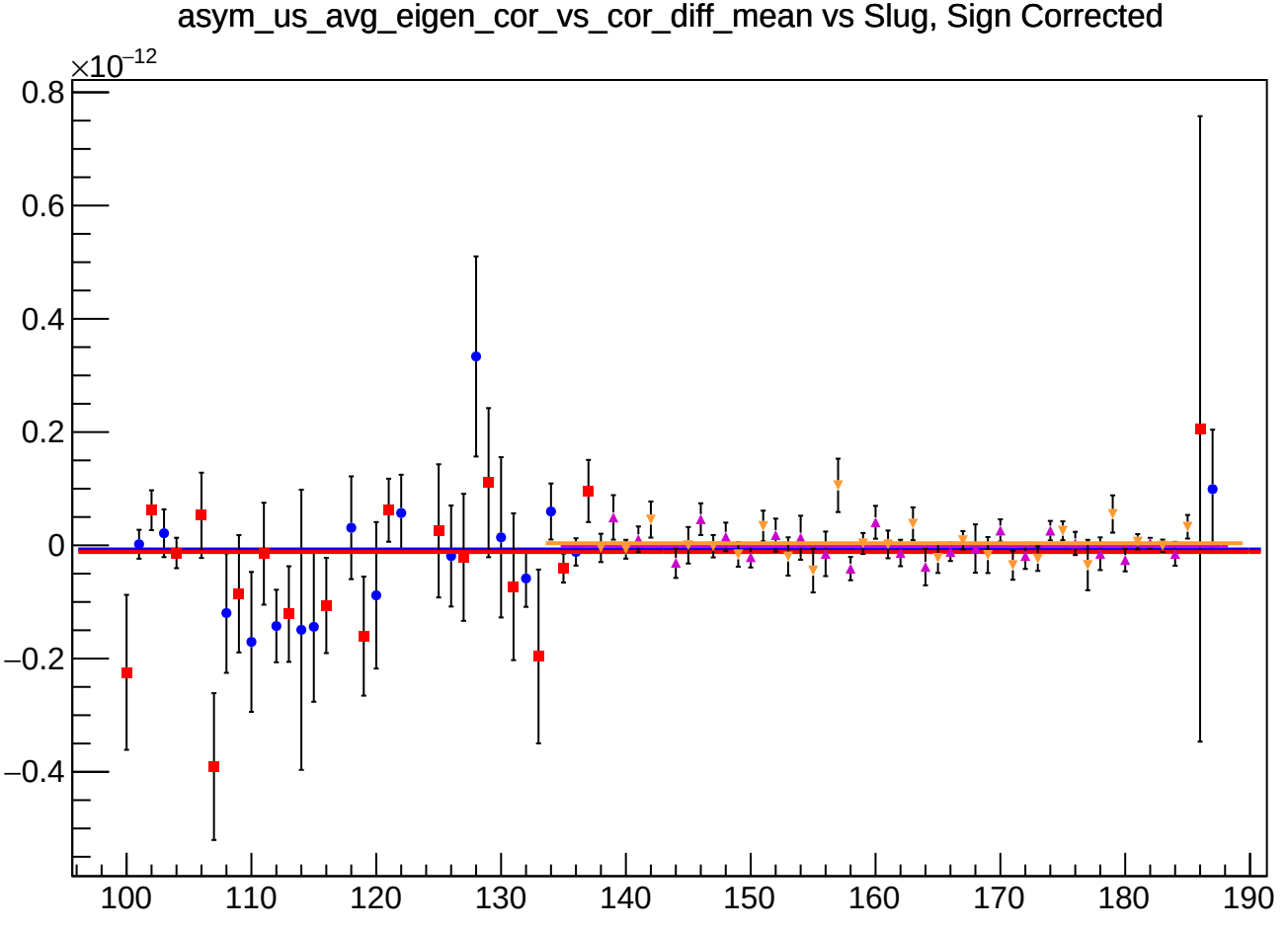
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 82.340+/-0.016 χ^2/NDF: 1835109.1/35

In: 84.515+/-0.012 χ^2/NDF:1620791.3/39

Out: 84.827+/-0.012 χ^2/NDF:2593514.7/42

All: 84.671+/-0.009 χ^2/NDF: 4214630.2/82



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.6/22

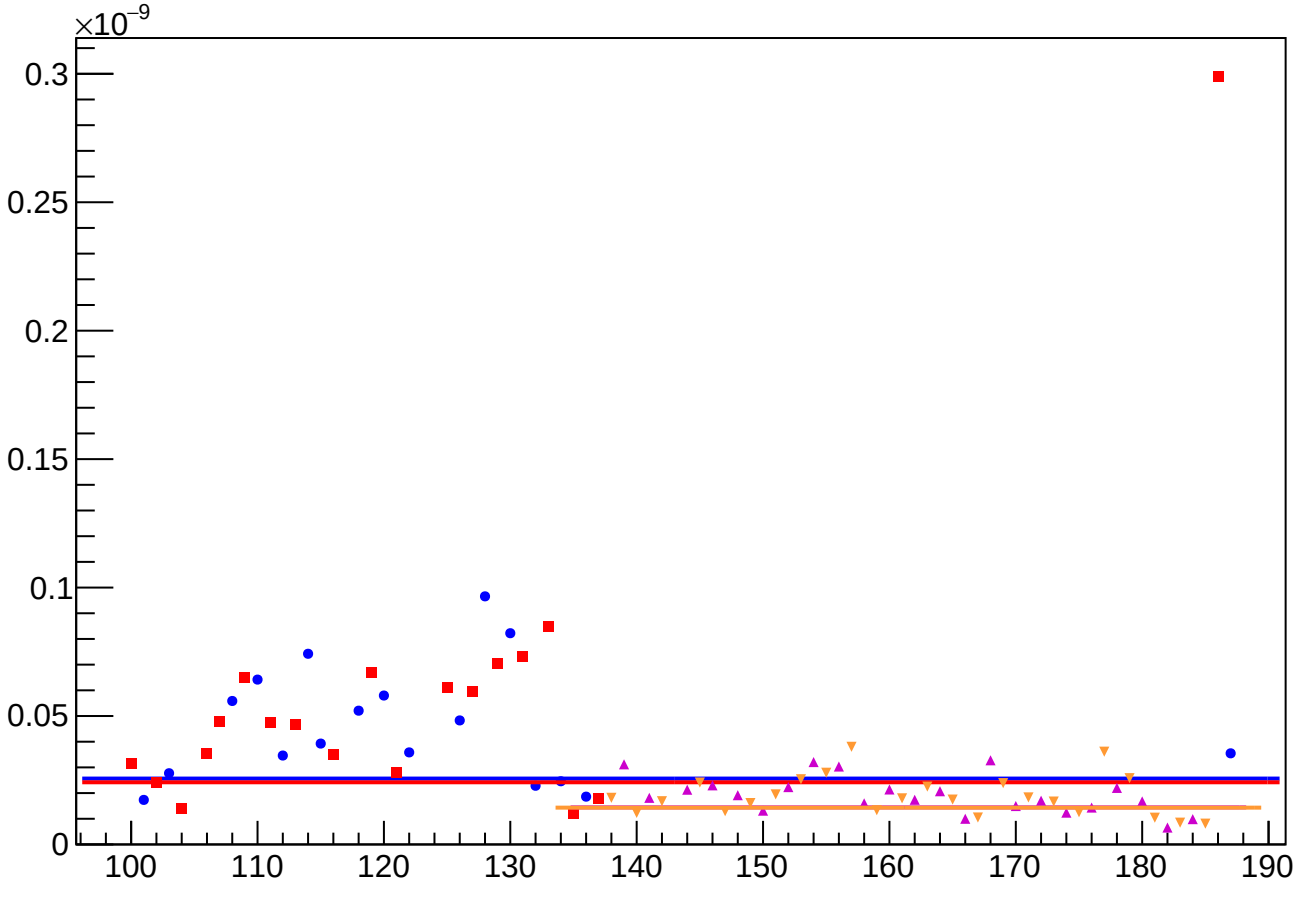
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 49.8/35

In: -0.000+/-0.000 χ^2/NDF:42.3/39

Out: 0.000+/-0.000 χ^2/NDF:57.4/42

All: 0.000+/-0.000 χ^2/NDF: 100.2/82



Right In: 0.000+/-0.000 χ^2/NDF: 2017649.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:3611096.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3579701.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7867648.9/46

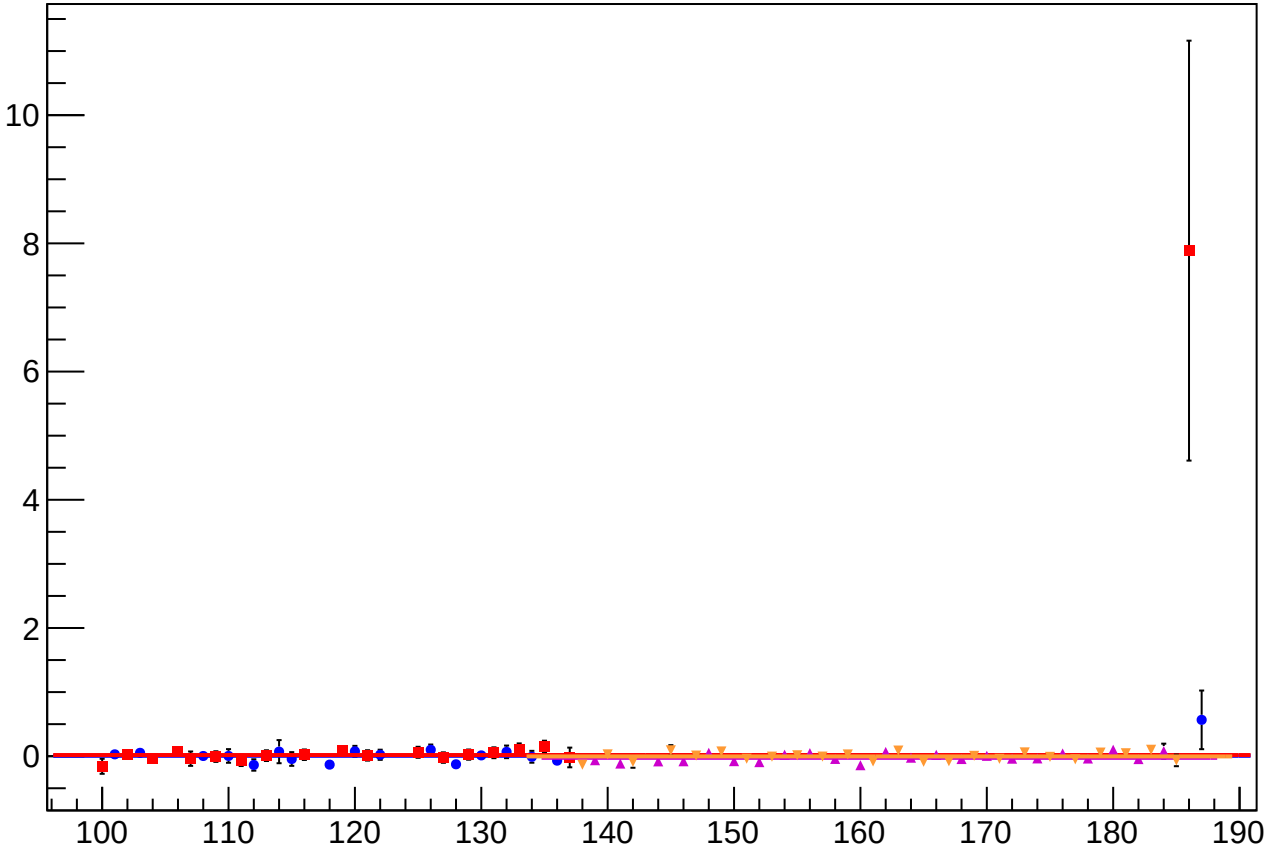
Right: 0.000+/-0.000 χ^2/NDF: 5609218.3/35

In: 0.000+/-0.000 χ^2/NDF:7583411.4/39

Out: 0.000+/-0.000 χ^2/NDF:8172369.4/42

All: 0.000+/-0.000 χ^2/NDF: 15760411.4/82

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.017 χ^2/NDF: 17.1/16

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

Right Out: 0.018+/-0.016 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.013 χ^2/NDF:24.3/22

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

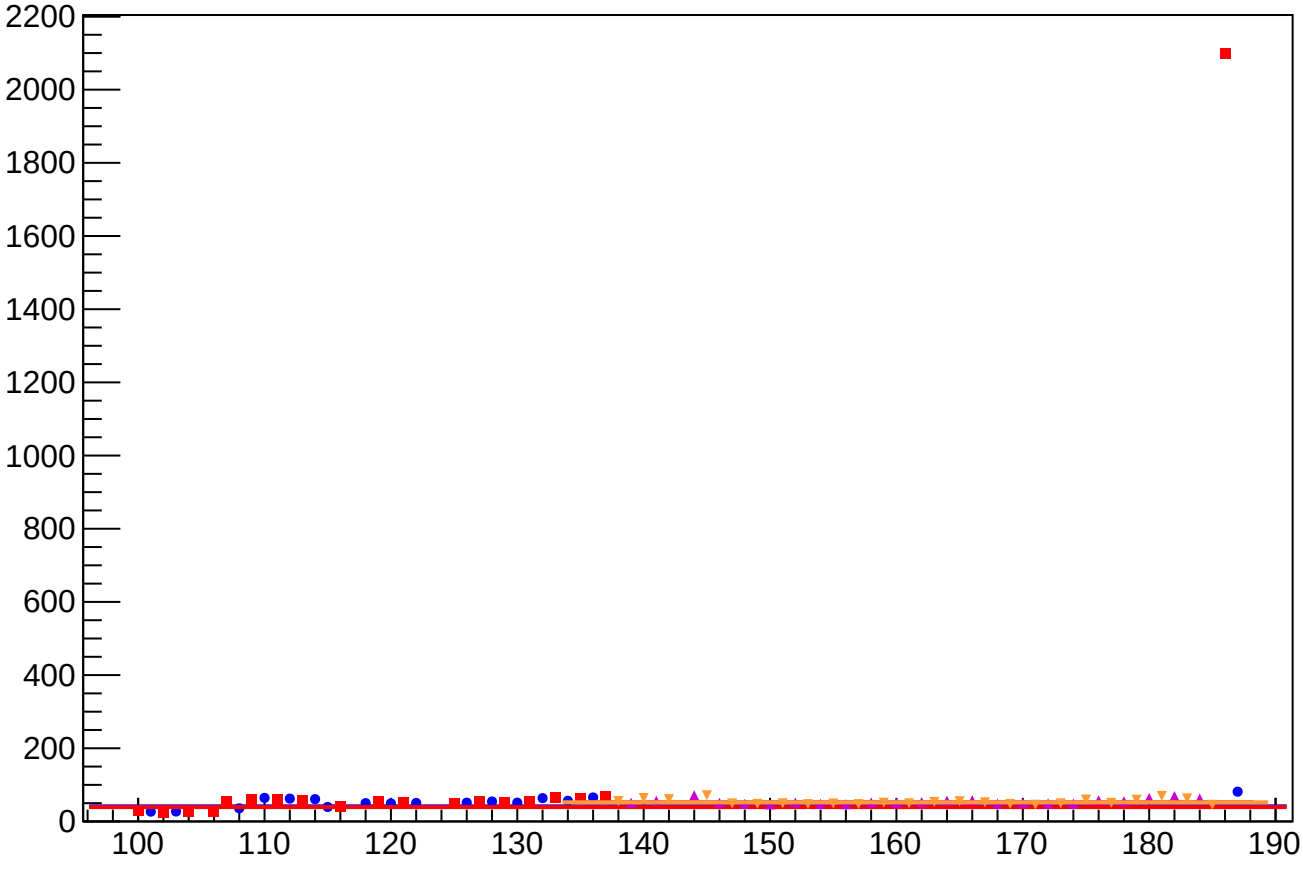
Right: 0.013+/-0.011 χ^2/NDF: 35.4/35

In: -0.014+/-0.010 χ^2/NDF:43.7/39

Out: 0.005+/-0.010 χ^2/NDF:42.3/42

All: -0.004+/-0.007 χ^2/NDF: 87.9/82

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.329+/-0.012 χ^2/NDF: 1520626.1/16

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

Right Out: 39.260+/-0.011 χ^2/NDF: 2610023.5/18

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

Left: 52.425+/-0.006 χ^2/NDF: 967418.6/46

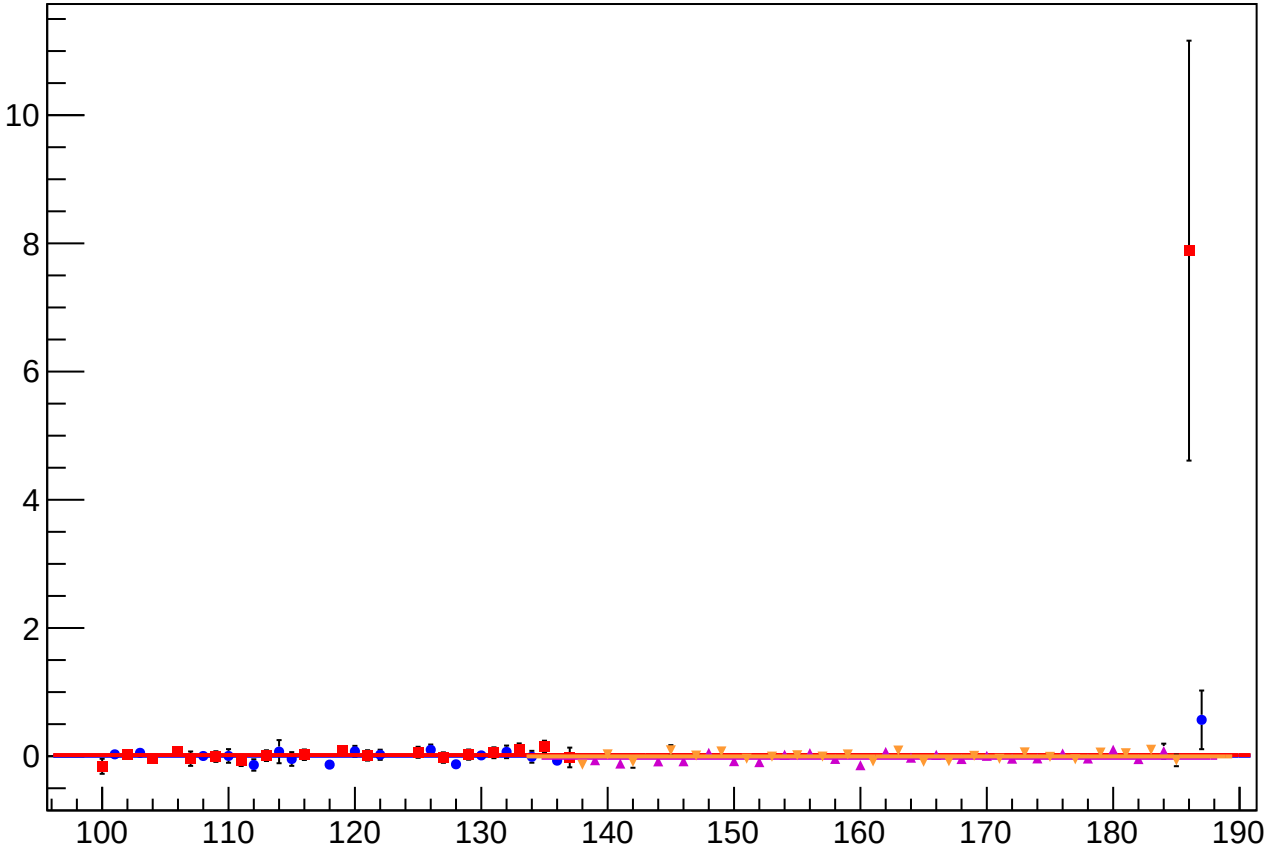
Right: 40.244+/-0.008 χ^2/NDF: 4147112.4/35

In: 48.416+/-0.007 χ^2/NDF:2545679.3/39

Out: 47.334+/-0.007 χ^2/NDF:3987087.8/42

All: 47.863+/-0.005 χ^2/NDF: 6544812.5/82

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.017 χ^2/NDF: 17.1/16

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

Right Out: 0.018+/-0.016 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.013 χ^2/NDF:24.3/22

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

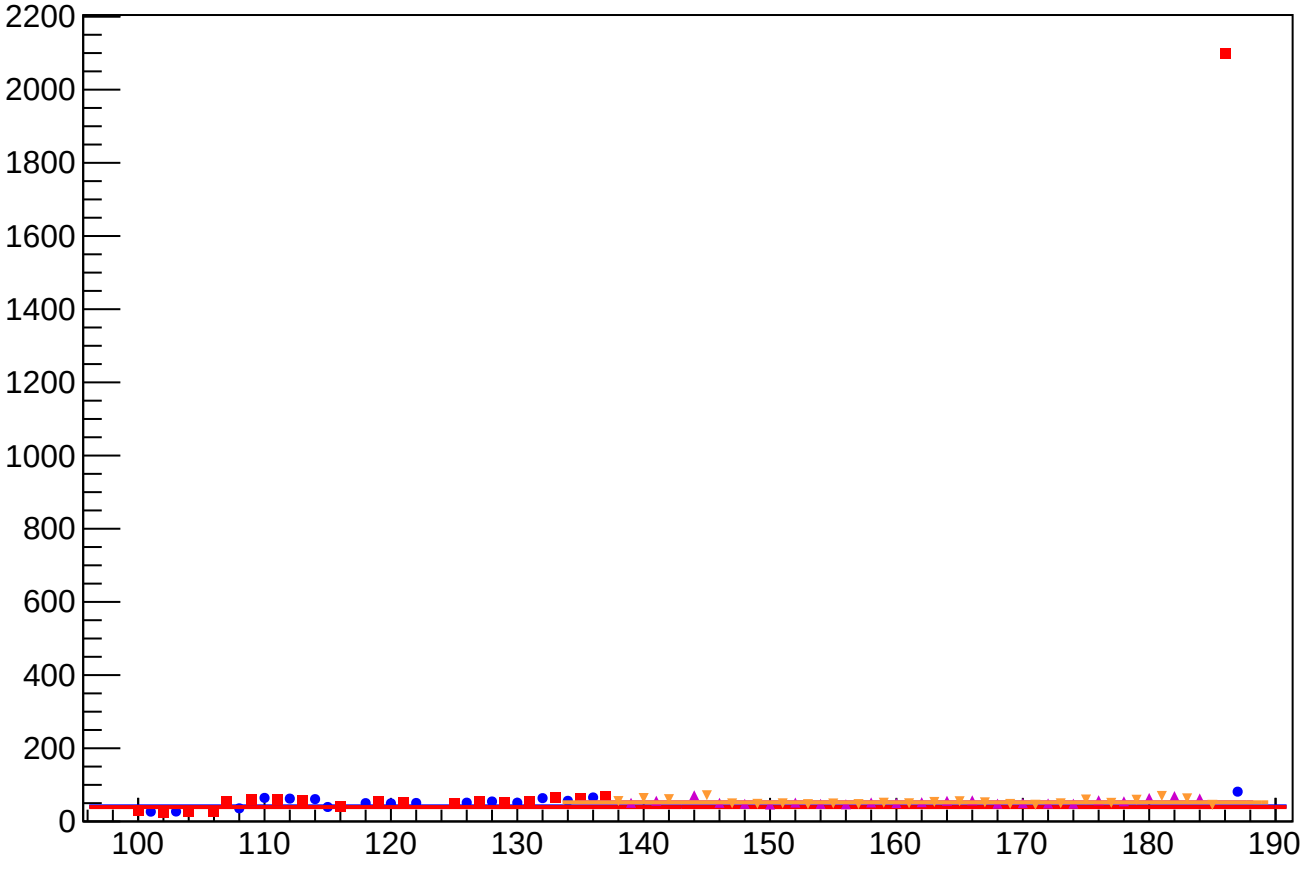
Right: 0.013+/-0.011 χ^2/NDF: 35.4/35

In: -0.014+/-0.010 χ^2/NDF:43.7/39

Out: 0.005+/-0.010 χ^2/NDF:42.3/42

All: -0.004+/-0.007 χ^2/NDF: 87.9/82

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.329+/-0.012 χ^2/NDF: 1520626.1/16

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

Right Out: 39.260+/-0.011 χ^2/NDF: 2610023.5/18

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

Left: 52.425+/-0.006 χ^2/NDF: 967418.6/46

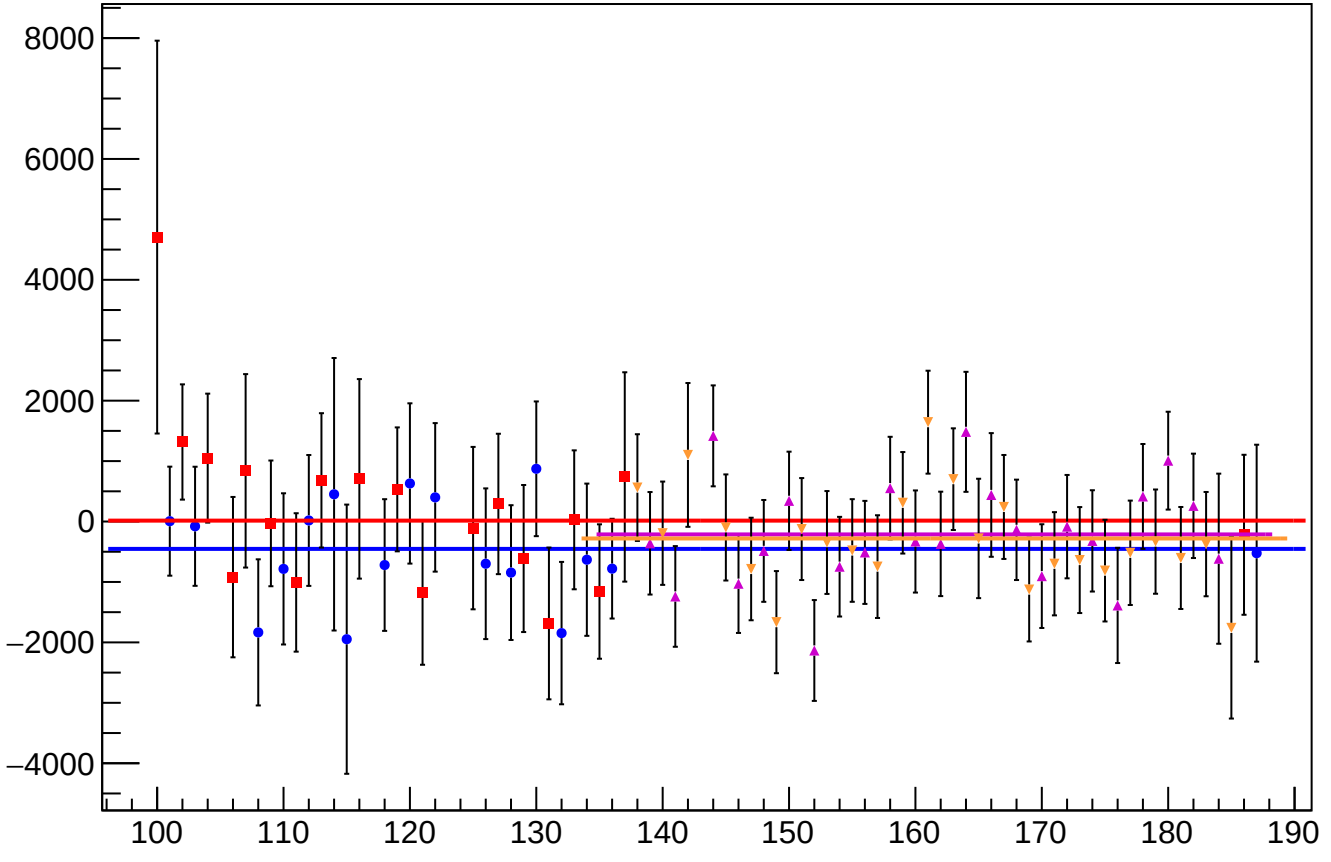
Right: 40.244+/-0.008 χ^2/NDF: 4147112.4/35

In: 48.416+/-0.007 χ^2/NDF:2545679.3/39

Out: 47.334+/-0.007 χ^2/NDF:3987087.8/42

All: 47.863+/-0.005 χ^2/NDF: 6544812.5/82

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: 15.004+/-281.491 χ^2/NDF: 11.7/18

Left In: -213.425+/-181.168 χ^2/NDF:22.4/22

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

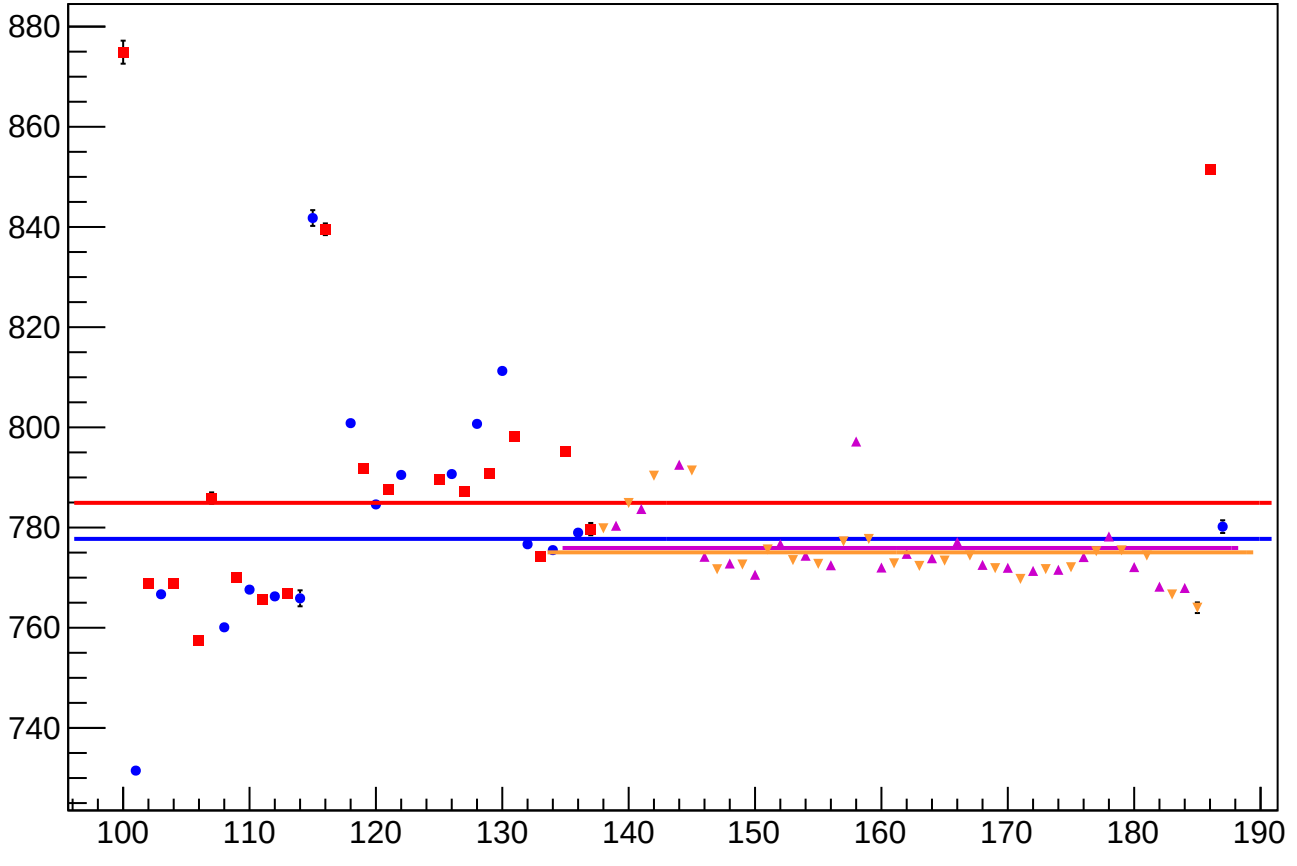
Right: -215.769+/-200.370 χ^2/NDF: 20.0/35

In: -282.218+/-152.935 χ^2/NDF:29.8/39

Out: -194.721+/-151.575 χ^2/NDF:28.6/42

All: -238.079+/-107.657 χ^2/NDF: 58.5/82

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 784.932+/-0.199 χ^2/NDF: 12931.7/18

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

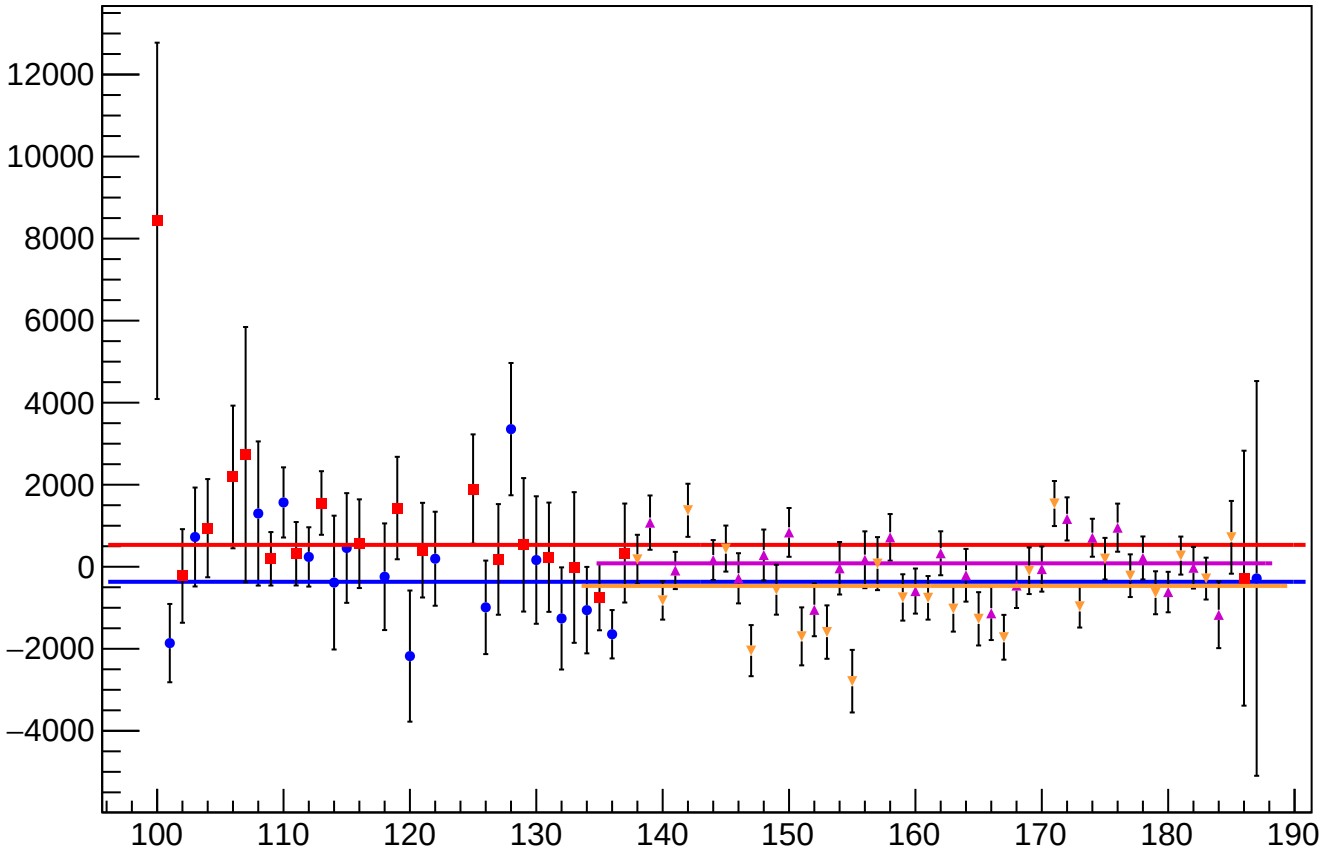
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 781.383+/-0.142 χ^2/NDF: 25635.3/35

In: 776.444+/-0.108 χ^2/NDF:15089.9/39

Out: 777.915+/-0.107 χ^2/NDF:16633.2/42

All: 777.186+/-0.076 χ^2/NDF: 31816.5/82



Right In: -366.756+/-266.290 χ^2/NDF: 23.3/16

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: 533.078+/-261.971 χ^2/NDF: 11.7/18

Left In: 83.154+/-117.808 χ^2/NDF:28.1/22

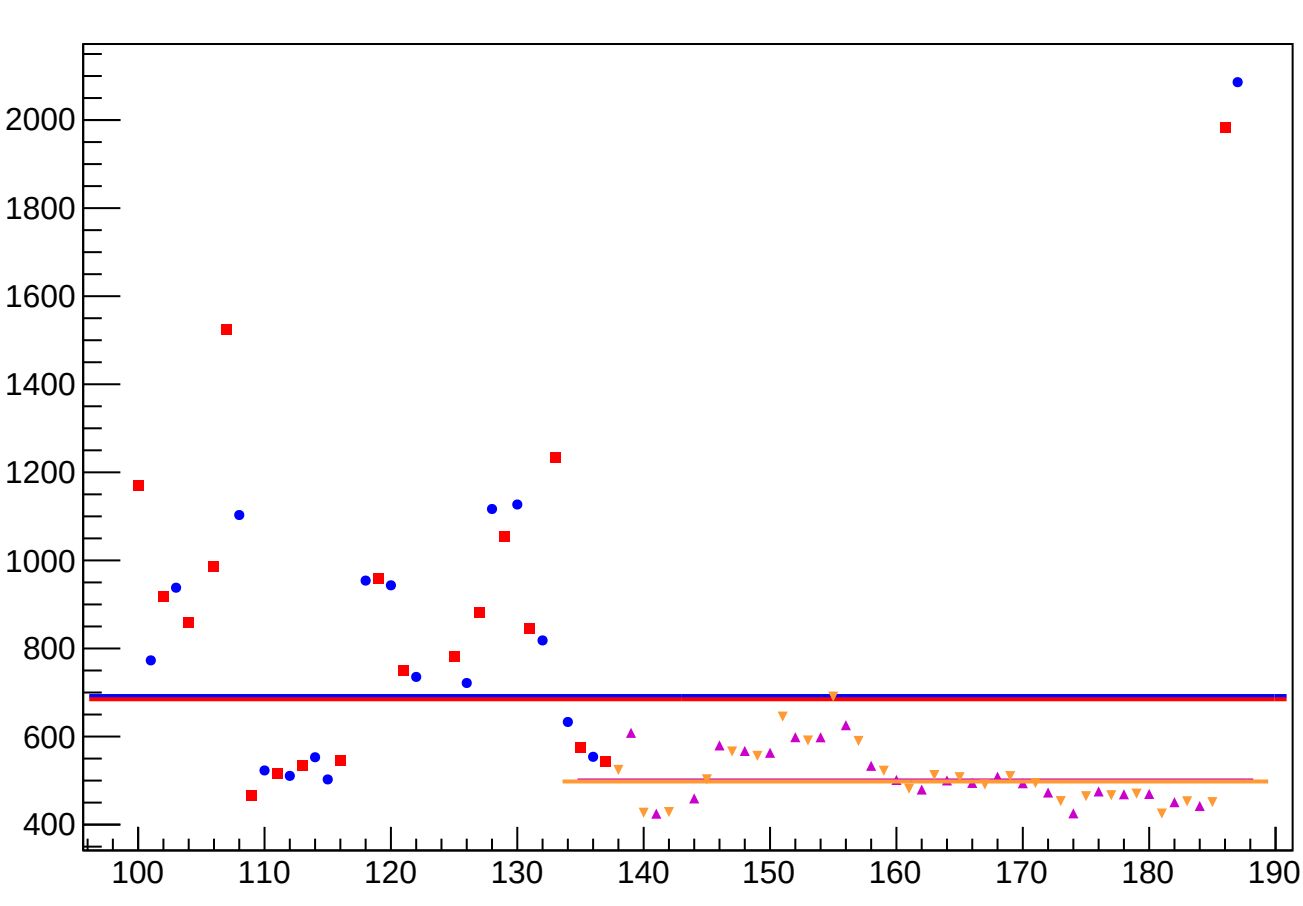
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 90.516+/-186.750 χ^2/NDF: 40.8/35

In: 9.511+/-107.736 χ^2/NDF:53.8/39

Out: -301.500+/-106.611 χ^2/NDF:88.3/42

All: -147.627+/-75.780 χ^2/NDF: 146.3/82



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 684.696+/-0.185 χ^2/NDF: 1664167.5/18

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

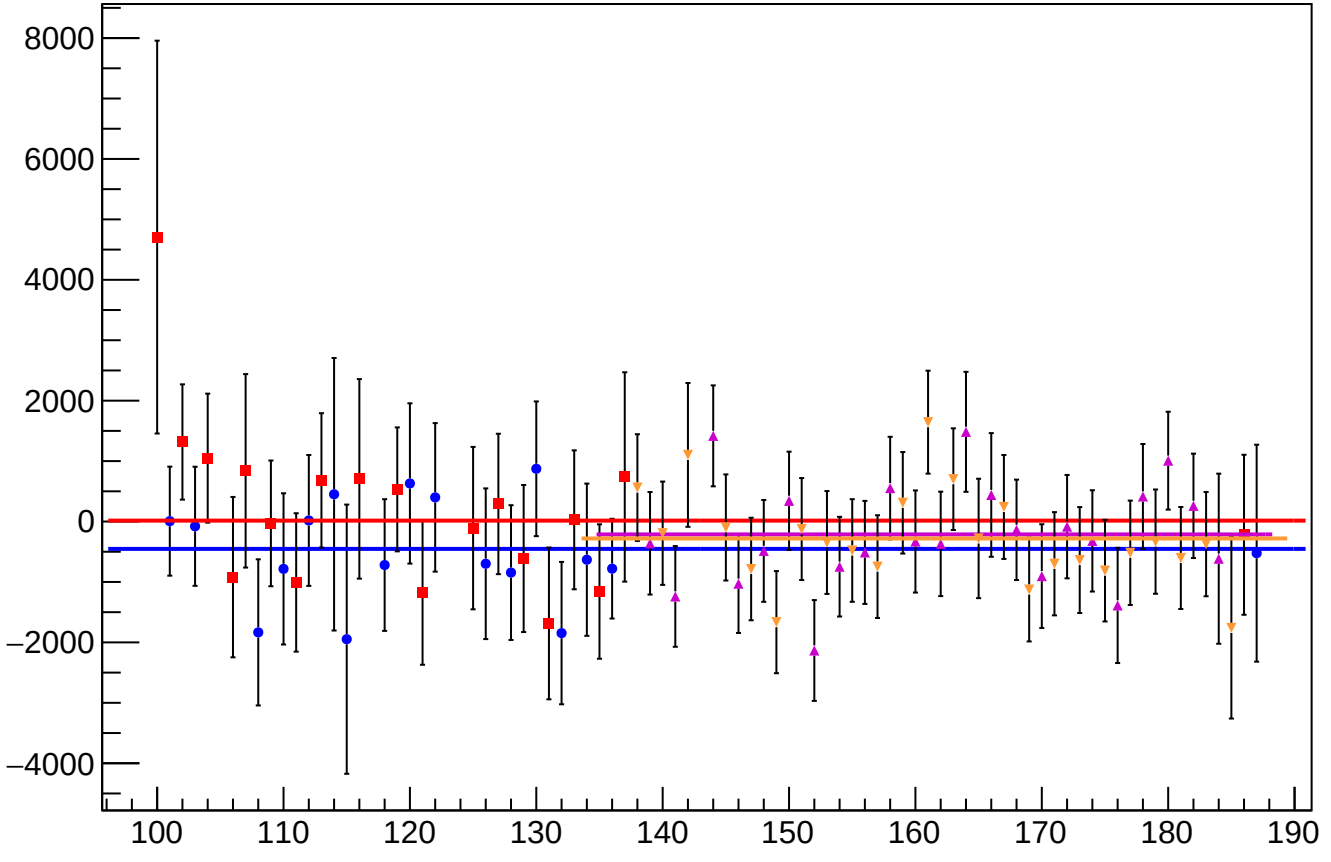
Right: 688.288+/-0.132 χ^2/NDF: 2865222.1/35

In: 531.684+/-0.076 χ^2/NDF:2544445.1/39

Out: 528.891+/-0.075 χ^2/NDF:3039011.8/42

All: 530.273+/-0.054 χ^2/NDF: 5584136.2/82

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: 15.004+/-281.491 χ^2/NDF: 11.7/18

Left In: -213.425+/-181.168 χ^2/NDF:22.4/22

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

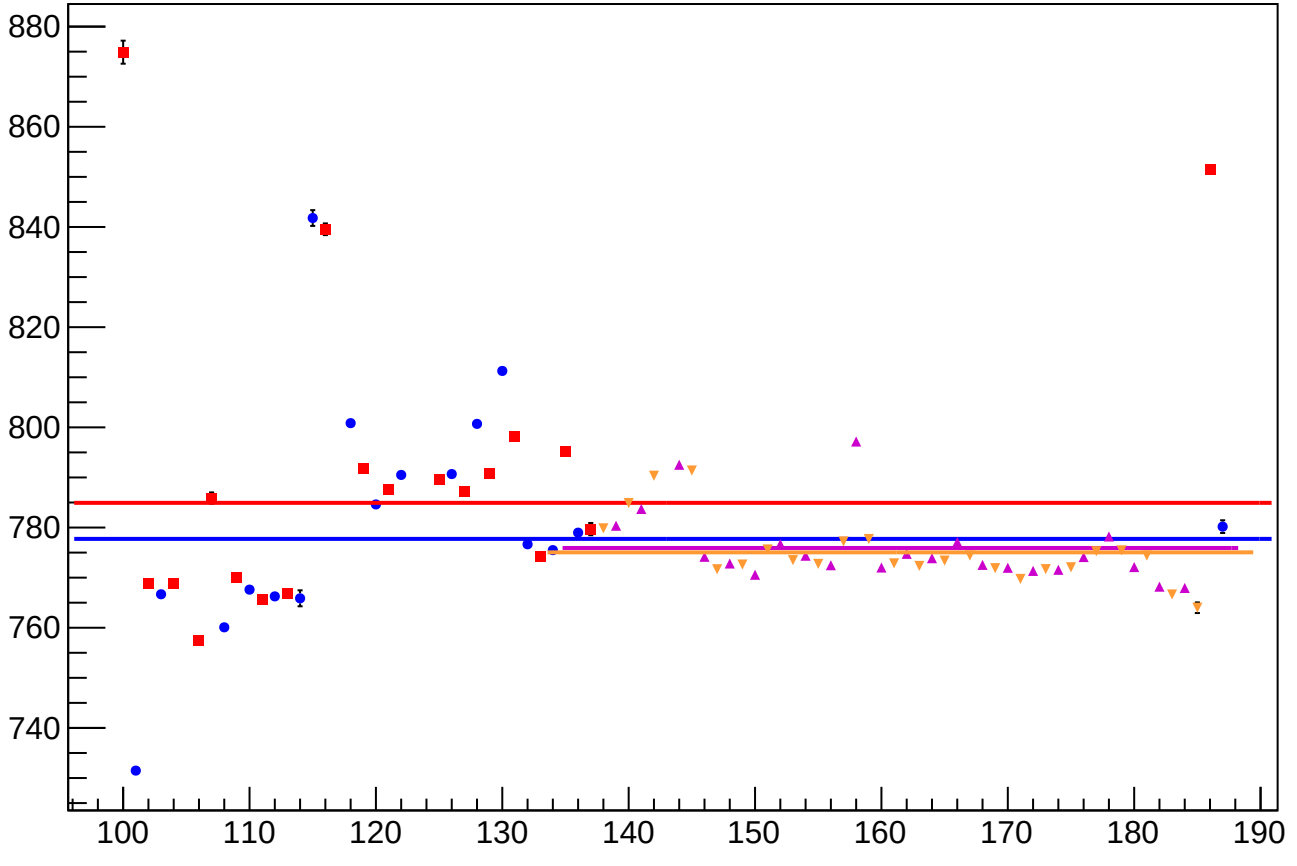
Right: -215.769+/-200.370 χ^2/NDF: 20.0/35

In: -282.218+/-152.935 χ^2/NDF:29.8/39

Out: -194.721+/-151.575 χ^2/NDF:28.6/42

All: -238.079+/-107.657 χ^2/NDF: 58.5/82

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 784.932+/-0.199 χ^2/NDF: 12931.7/18

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

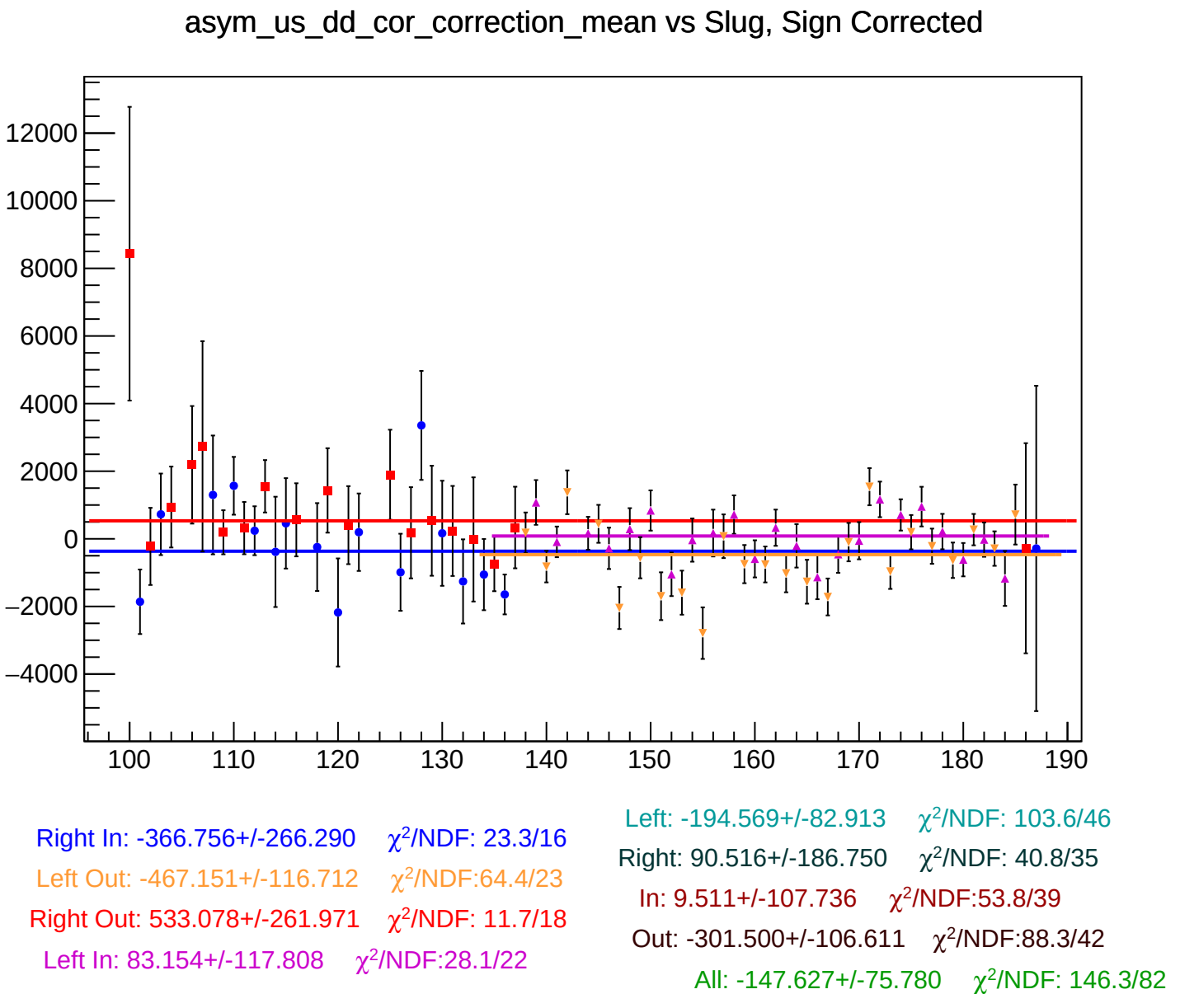
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

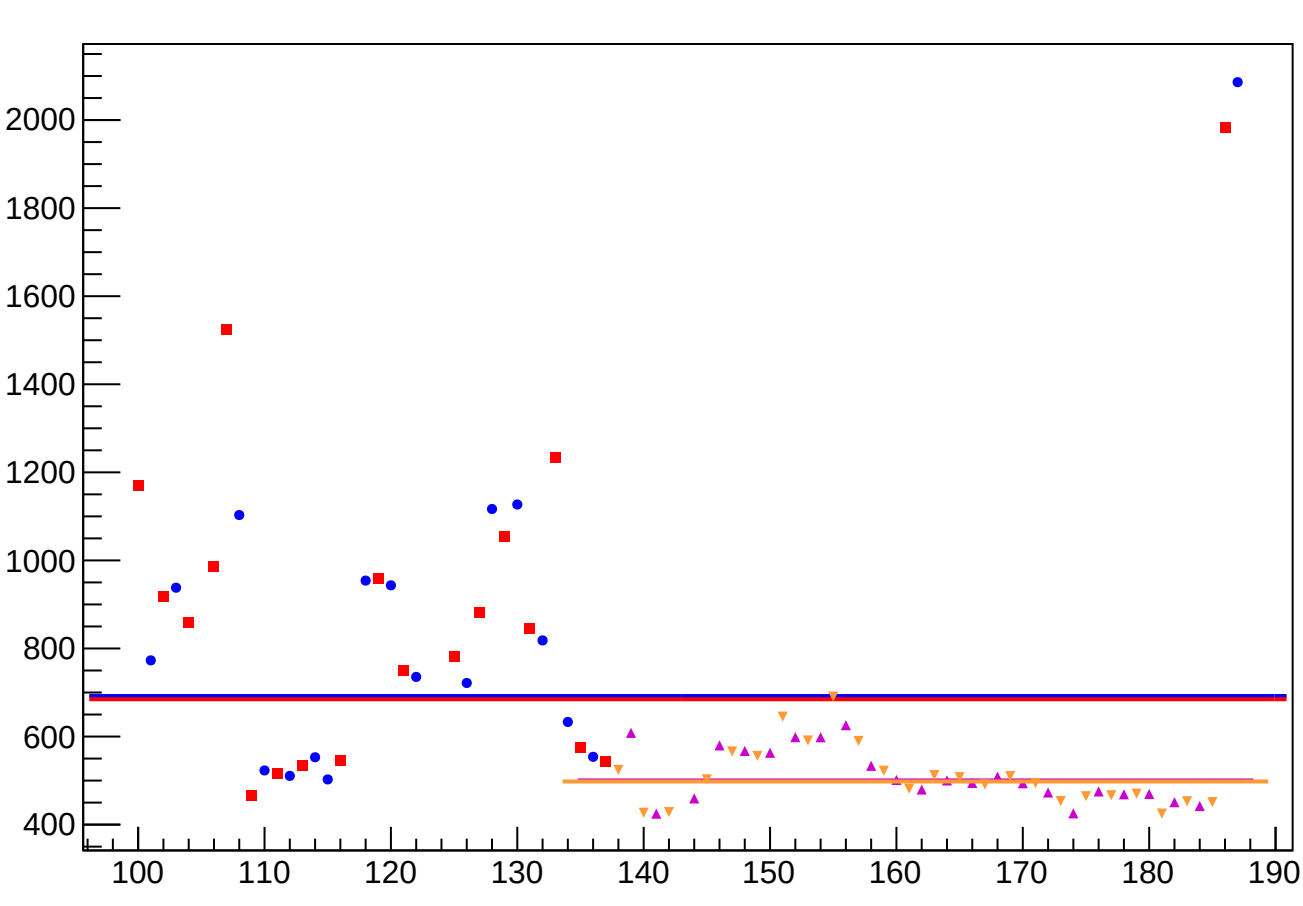
Right: 781.383+/-0.142 χ^2/NDF: 25635.3/35

In: 776.444+/-0.108 χ^2/NDF:15089.9/39

Out: 777.915+/-0.107 χ^2/NDF:16633.2/42

All: 777.186+/-0.076 χ^2/NDF: 31816.5/82


asym_us_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -366.756+/-266.290 χ²/NDF: 23.3/16
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 533.078+/-261.971 χ²/NDF: 11.7/18
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 90.516+/-186.750 χ²/NDF: 40.8/35
In: 9.511+/-107.736 χ²/NDF:53.8/39
Out: -301.500+/-106.611 χ²/NDF:88.3/42
All: -147.627+/-75.780 χ²/NDF: 146.3/82



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 684.696+/-0.185 χ^2/NDF: 1664167.5/18

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

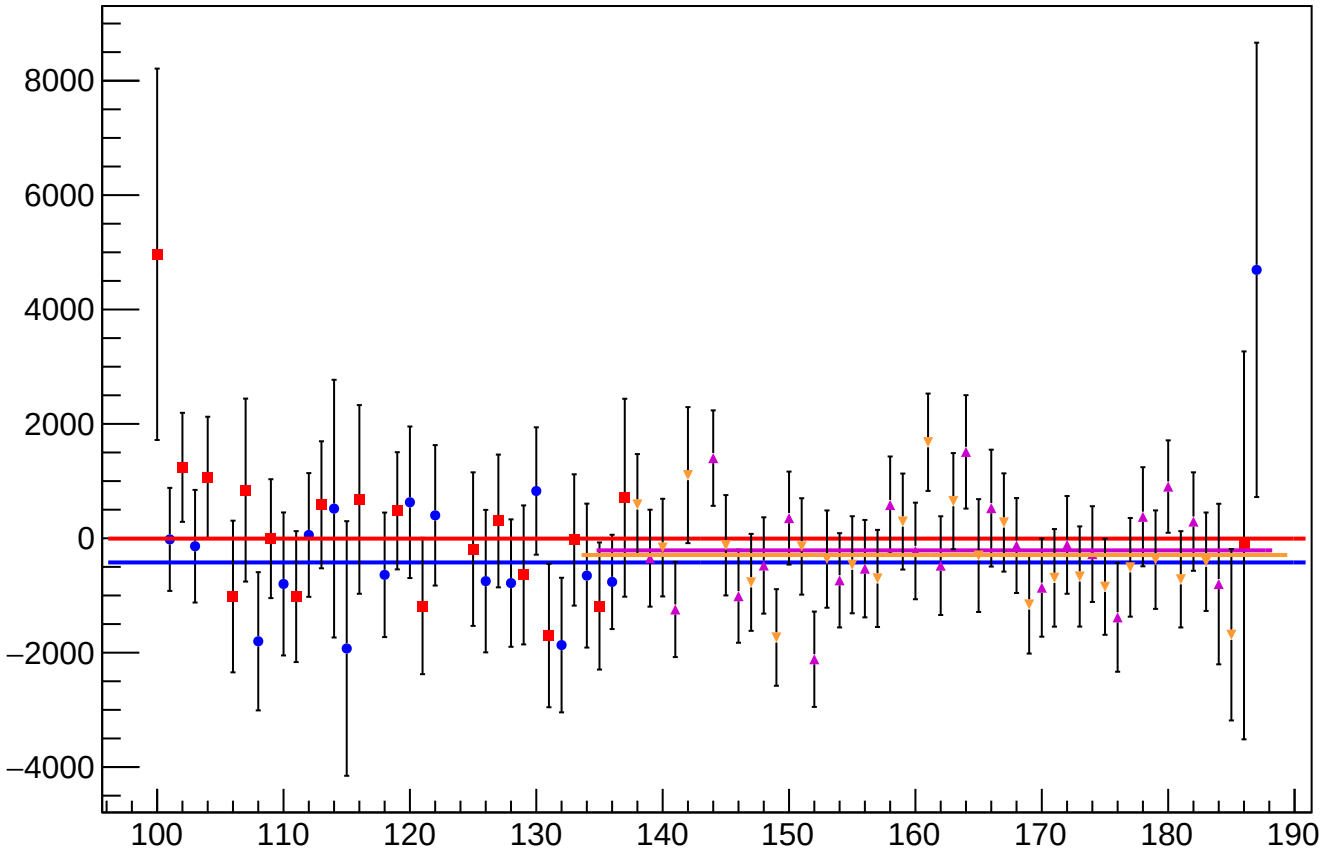
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 688.288+/-0.132 χ^2/NDF: 2865222.1/35

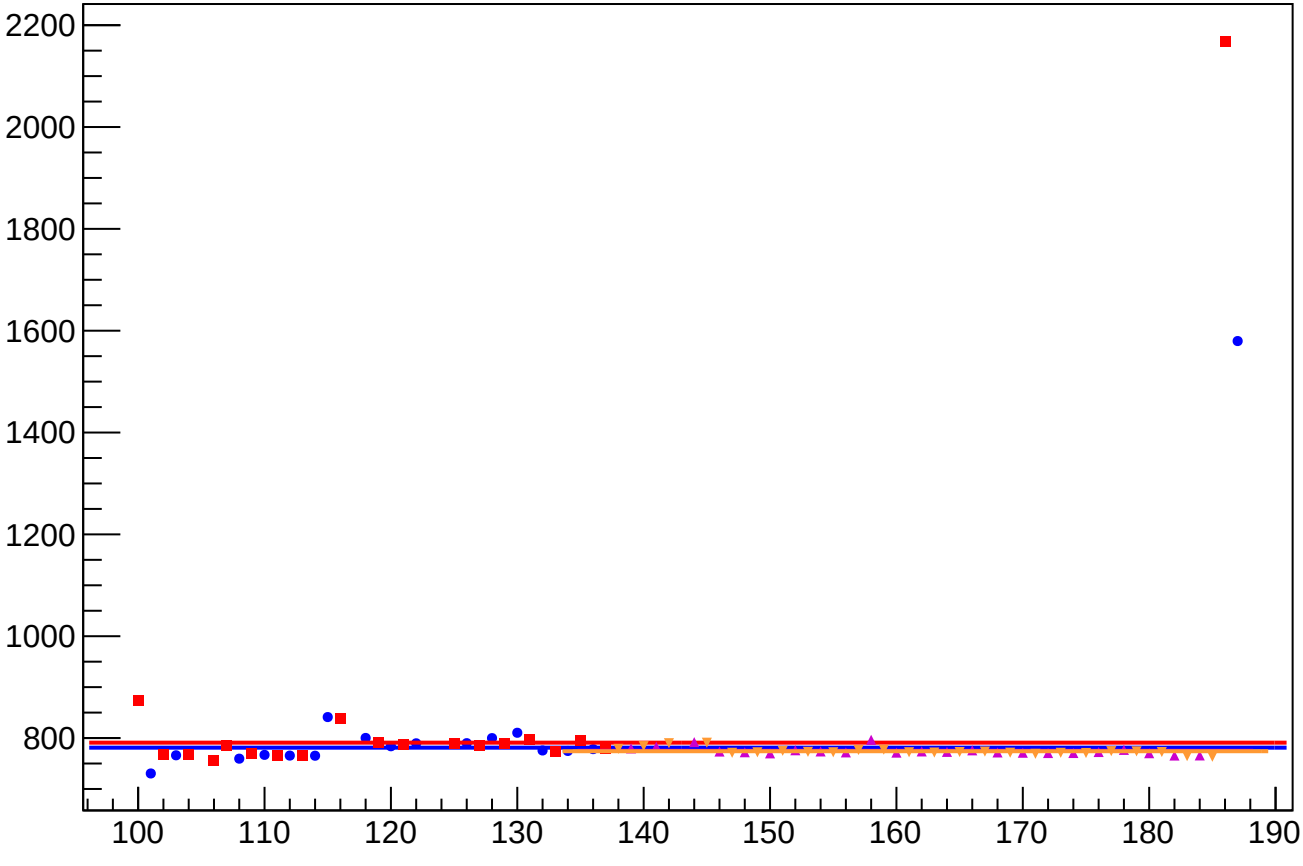
In: 531.684+/-0.076 χ^2/NDF:2544445.1/39

Out: 528.891+/-0.075 χ^2/NDF:3039011.8/42

All: 530.273+/-0.054 χ^2/NDF: 5584136.2/82


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -422.414+/-287.909 χ²/NDF: 8.4/16
Left Out: -292.036+/-179.670 χ²/NDF:16.6/23
Right Out: -5.499+/-286.784 χ²/NDF: 11.8/18
Left In: -211.238+/-180.951 χ²/NDF:22.1/22
Left: -251.924+/-127.496 χ²/NDF: 38.8/46
Right: -213.141+/-203.184 χ²/NDF: 21.3/35
In: -271.035+/-153.204 χ²/NDF:30.9/39
Out: -211.271+/-152.257 χ²/NDF:29.2/42
All: -240.967+/-107.995 χ²/NDF: 60.2/82

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 781.130+/-0.204 χ^2/NDF: 93378.8/16

Left Out: 774.142+/-0.127 χ^2/NDF:2060.4/23

Right Out: 790.973+/-0.203 χ^2/NDF: 339308.6/18

Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

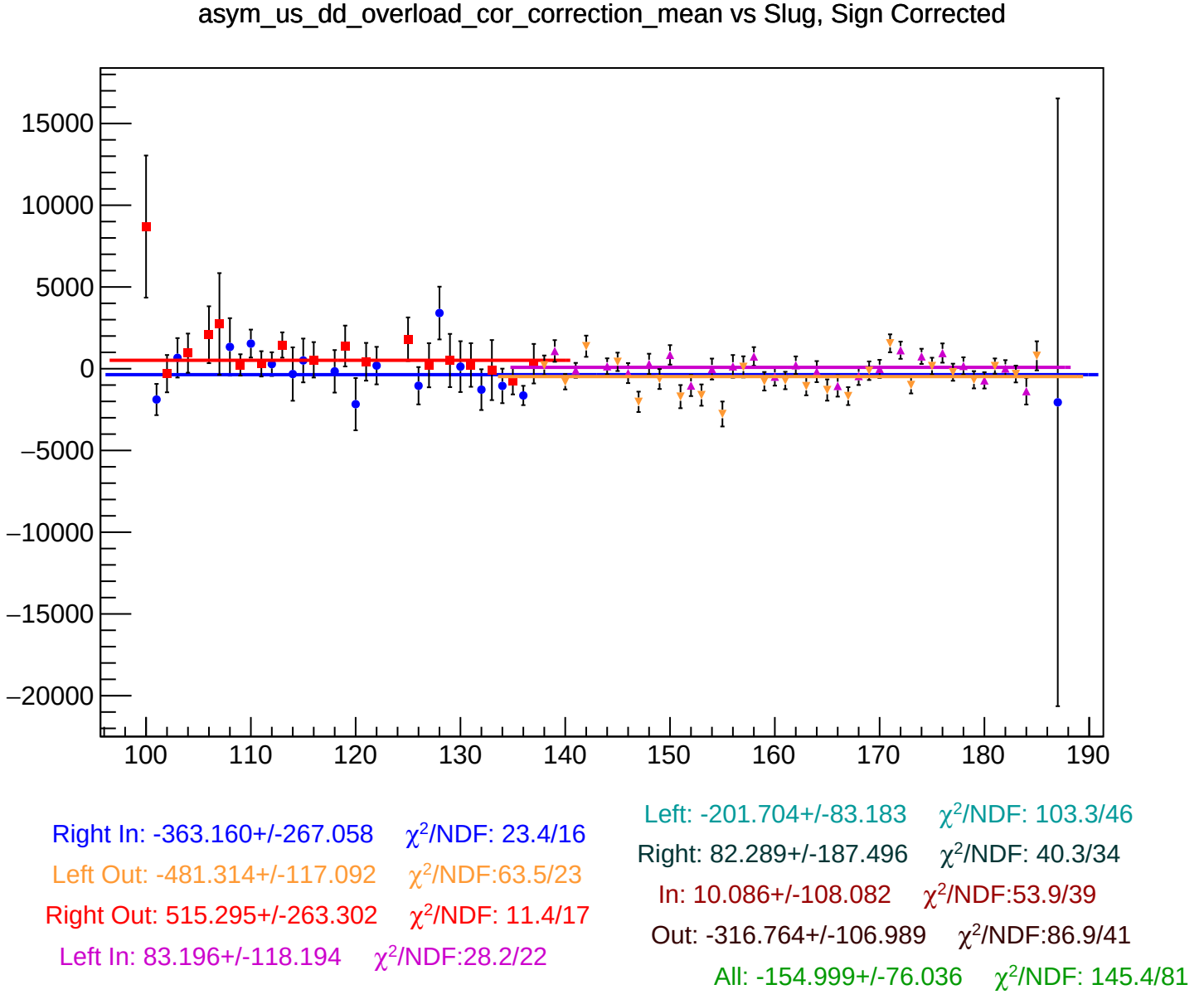
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 786.071+/-0.144 χ^2/NDF: 433860.8/35

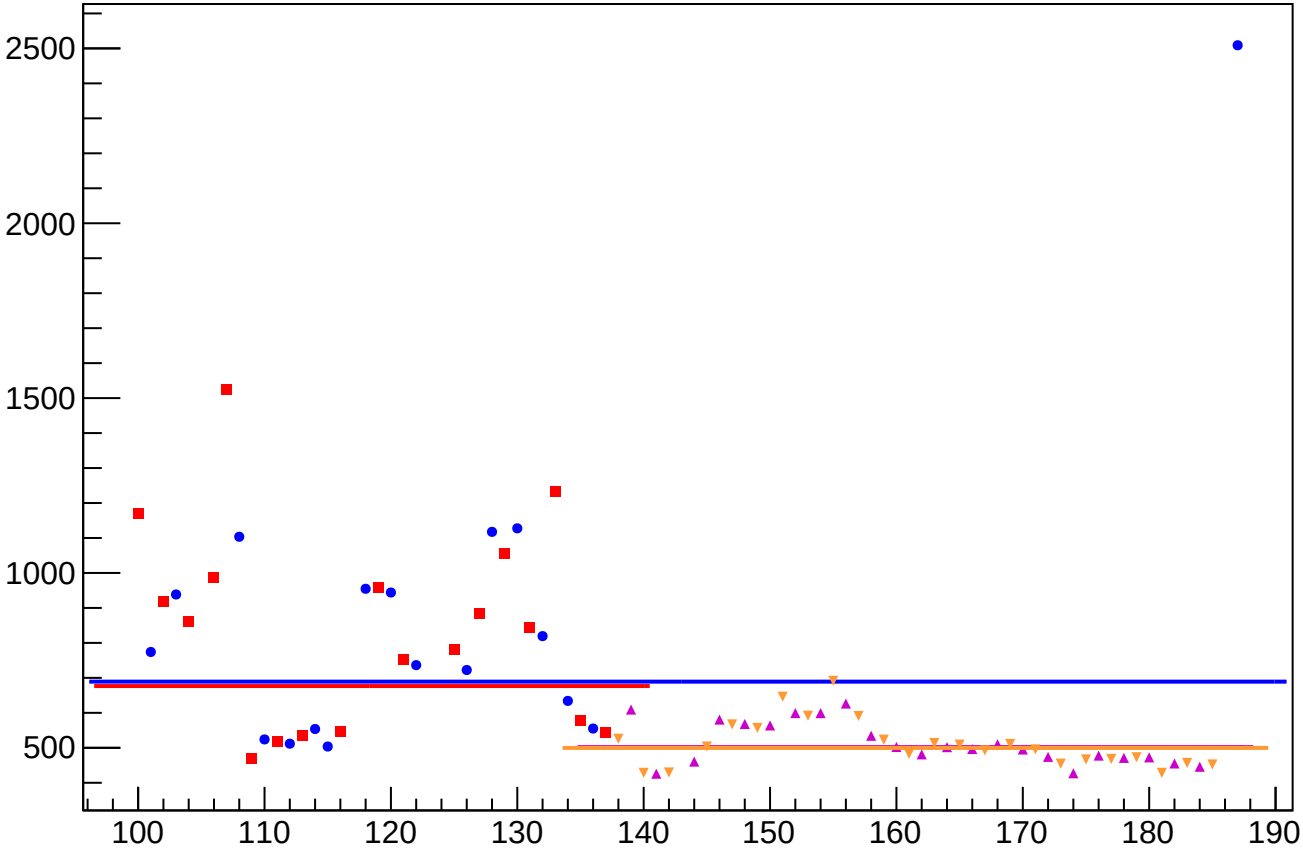
In: 776.728+/-0.108 χ^2/NDF:97179.2/39

Out: 778.886+/-0.108 χ^2/NDF:346316.3/42

All: 777.814+/-0.076 χ^2/NDF: 443695.1/82


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -363.160+/-267.058 χ²/NDF: 23.4/16
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 515.295+/-263.302 χ²/NDF: 11.4/17
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 82.289+/-187.496 χ²/NDF: 40.3/34
In: 10.086+/-108.082 χ²/NDF:53.9/39
Out: -316.764+/-106.989 χ²/NDF:86.9/41
All: -154.999+/-76.036 χ²/NDF: 145.4/81

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 689.204+/-0.189 χ^2/NDF: 1047287.8/16

Left Out: 499.670+/-0.083 χ^2/NDF:516314.6/23

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

Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

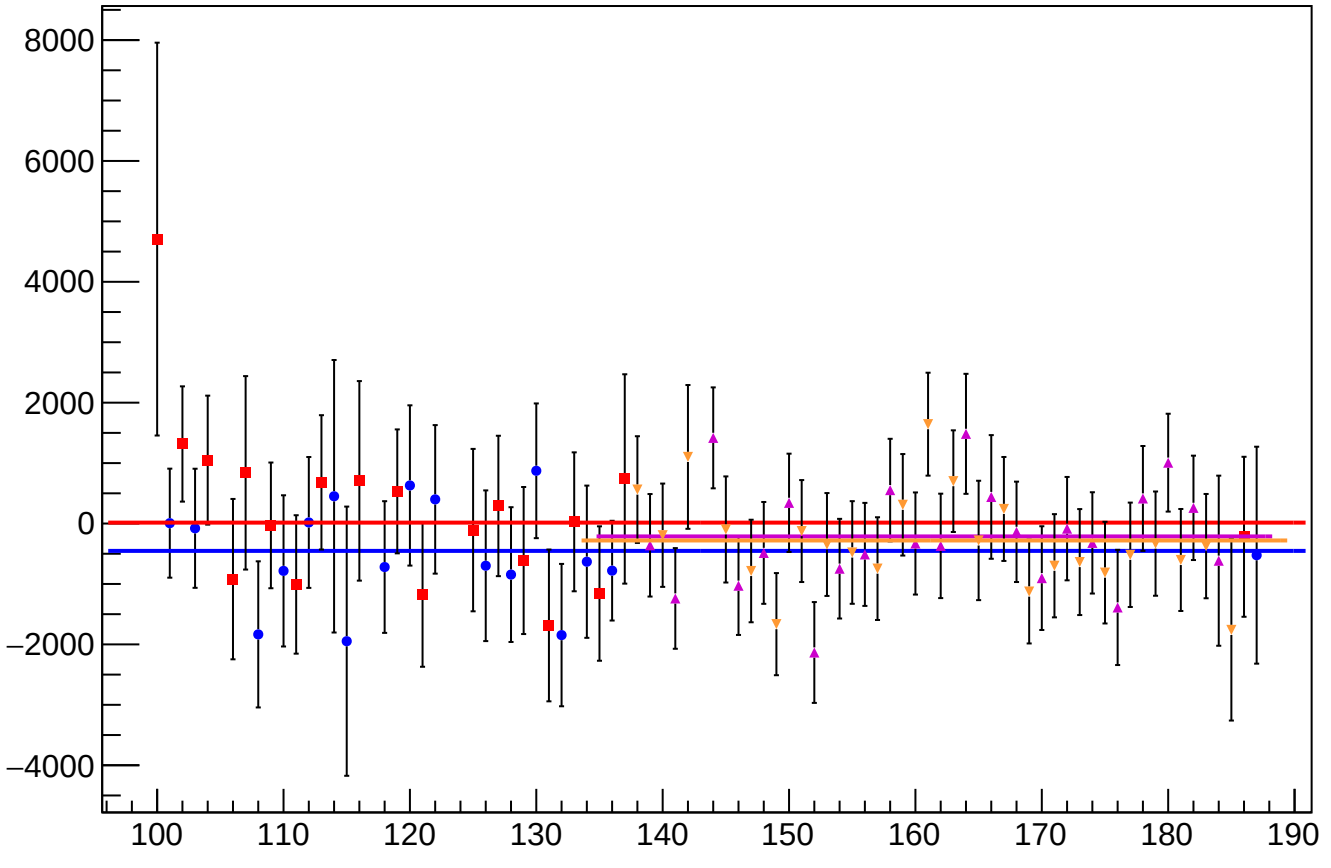
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 682.799+/-0.133 χ^2/NDF: 2357593.0/34

In: 532.685+/-0.076 χ^2/NDF:2336303.0/39

Out: 528.878+/-0.076 χ^2/NDF:2578083.6/41

All: 530.762+/-0.054 χ^2/NDF: 4915639.4/81



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: 15.004+/-281.491 χ^2/NDF: 11.7/18

Left In: -213.425+/-181.168 χ^2/NDF:22.4/22

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

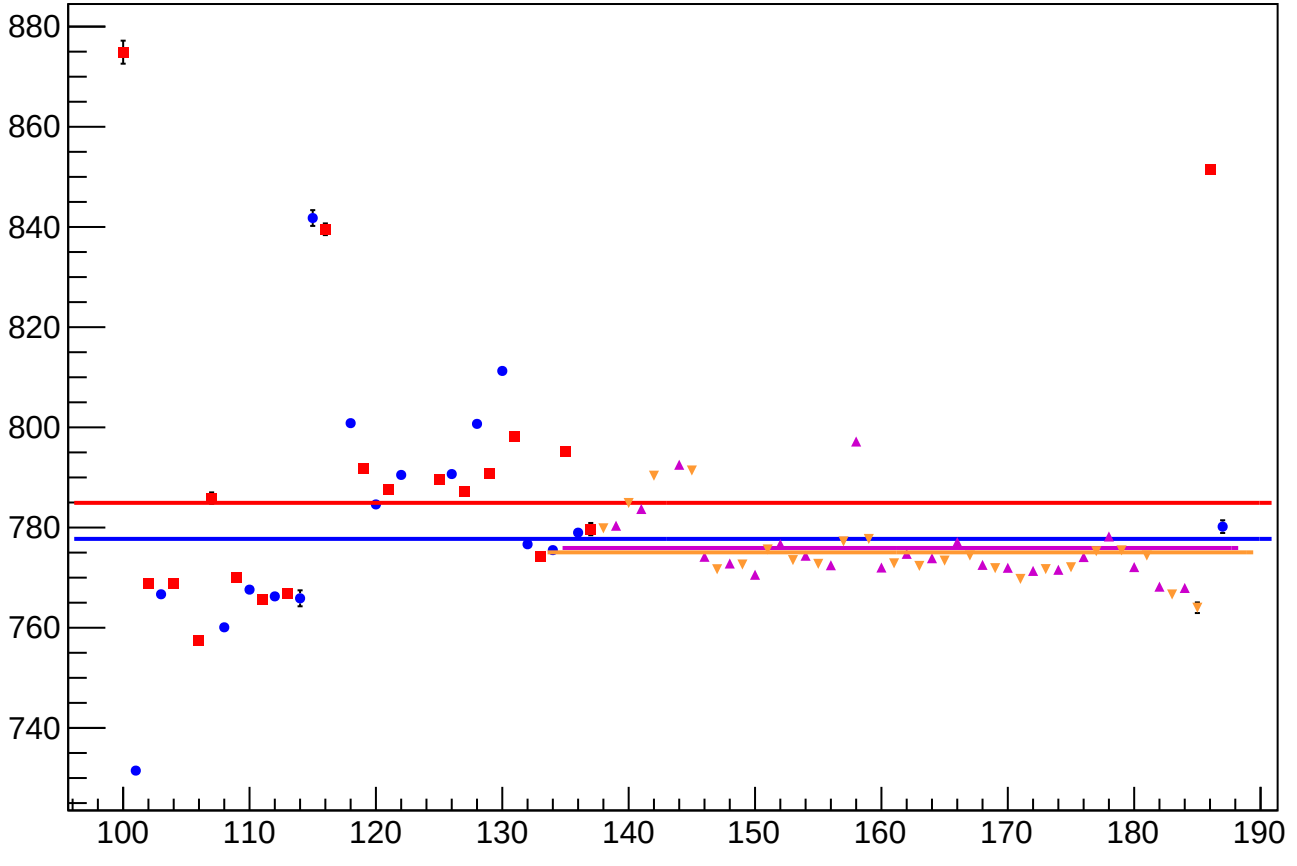
Right: -215.769+/-200.370 χ^2/NDF: 20.0/35

In: -282.218+/-152.935 χ^2/NDF:29.8/39

Out: -194.721+/-151.575 χ^2/NDF:28.6/42

All: -238.079+/-107.657 χ^2/NDF: 58.5/82

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 784.932+/-0.199 χ^2/NDF: 12931.7/18

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

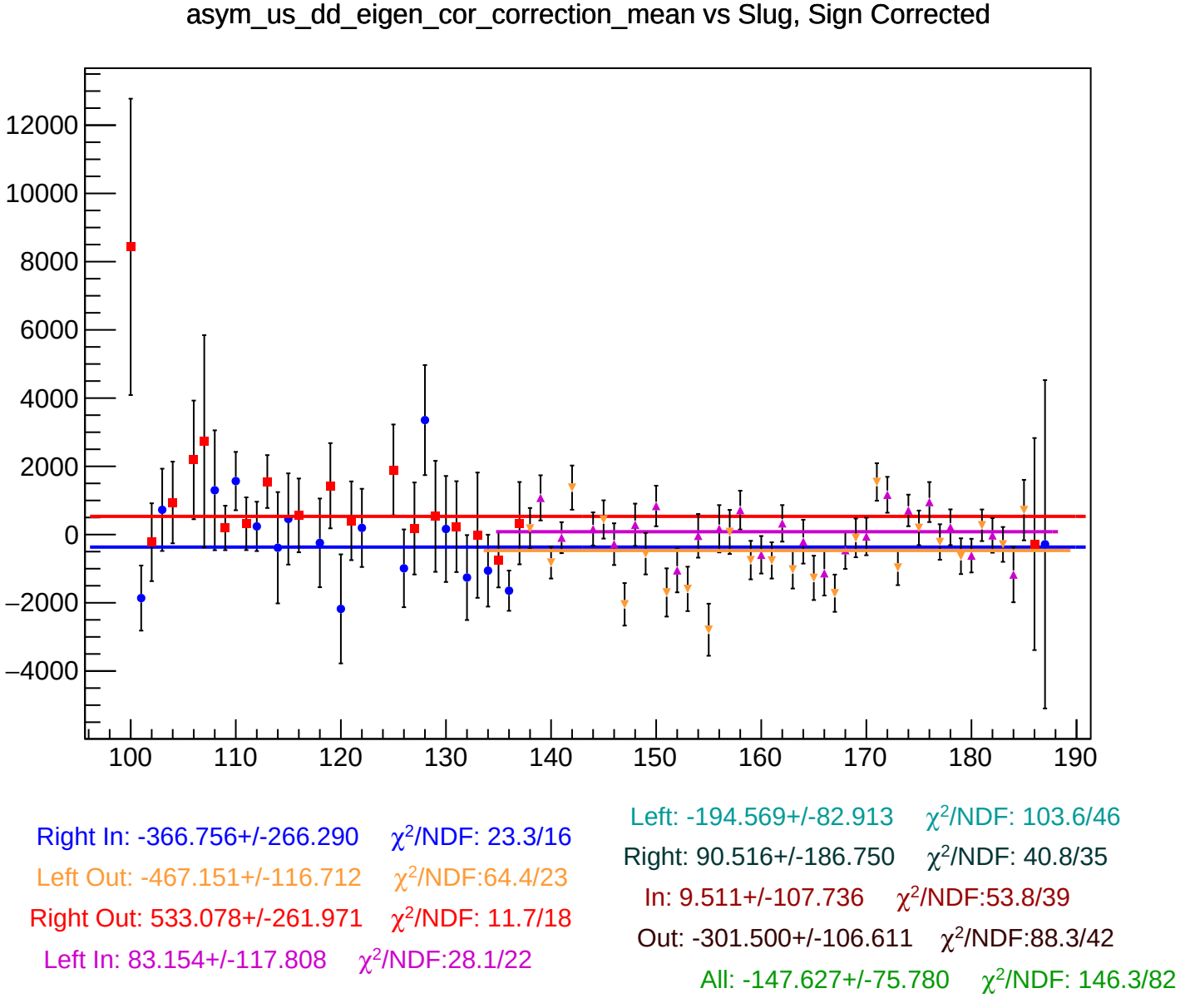
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

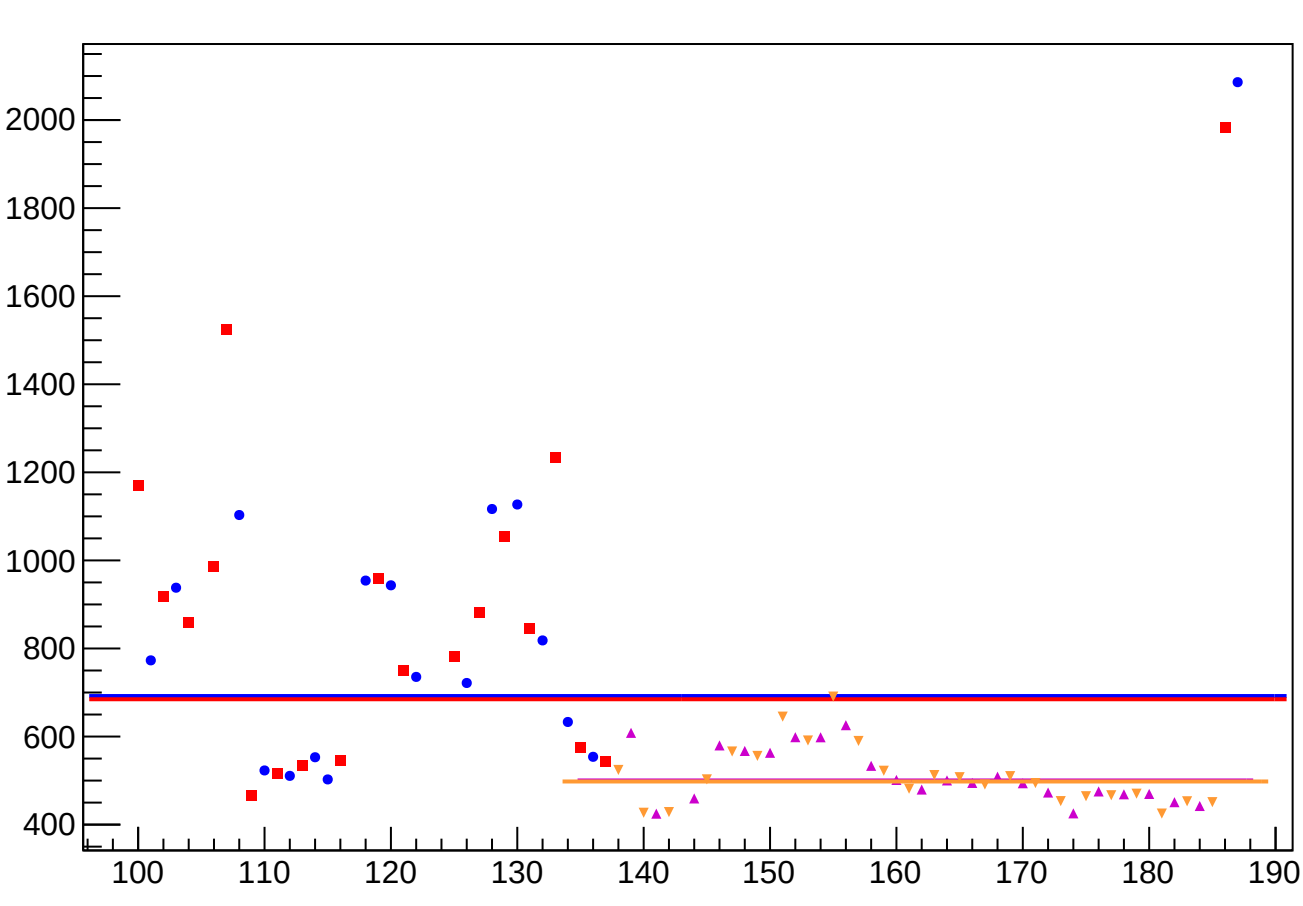
Right: 781.383+/-0.142 χ^2/NDF: 25635.3/35

In: 776.444+/-0.108 χ^2/NDF:15089.9/39

Out: 777.915+/-0.107 χ^2/NDF:16633.2/42

All: 777.186+/-0.076 χ^2/NDF: 31816.5/82


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -366.756+/-266.290 χ²/NDF: 23.3/16
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 533.078+/-261.971 χ²/NDF: 11.7/18
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 90.516+/-186.750 χ²/NDF: 40.8/35
In: 9.511+/-107.736 χ²/NDF:53.8/39
Out: -301.500+/-106.611 χ²/NDF:88.3/42
All: -147.627+/-75.780 χ²/NDF: 146.3/82



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 684.696+/-0.185 χ^2/NDF: 1664167.5/18

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

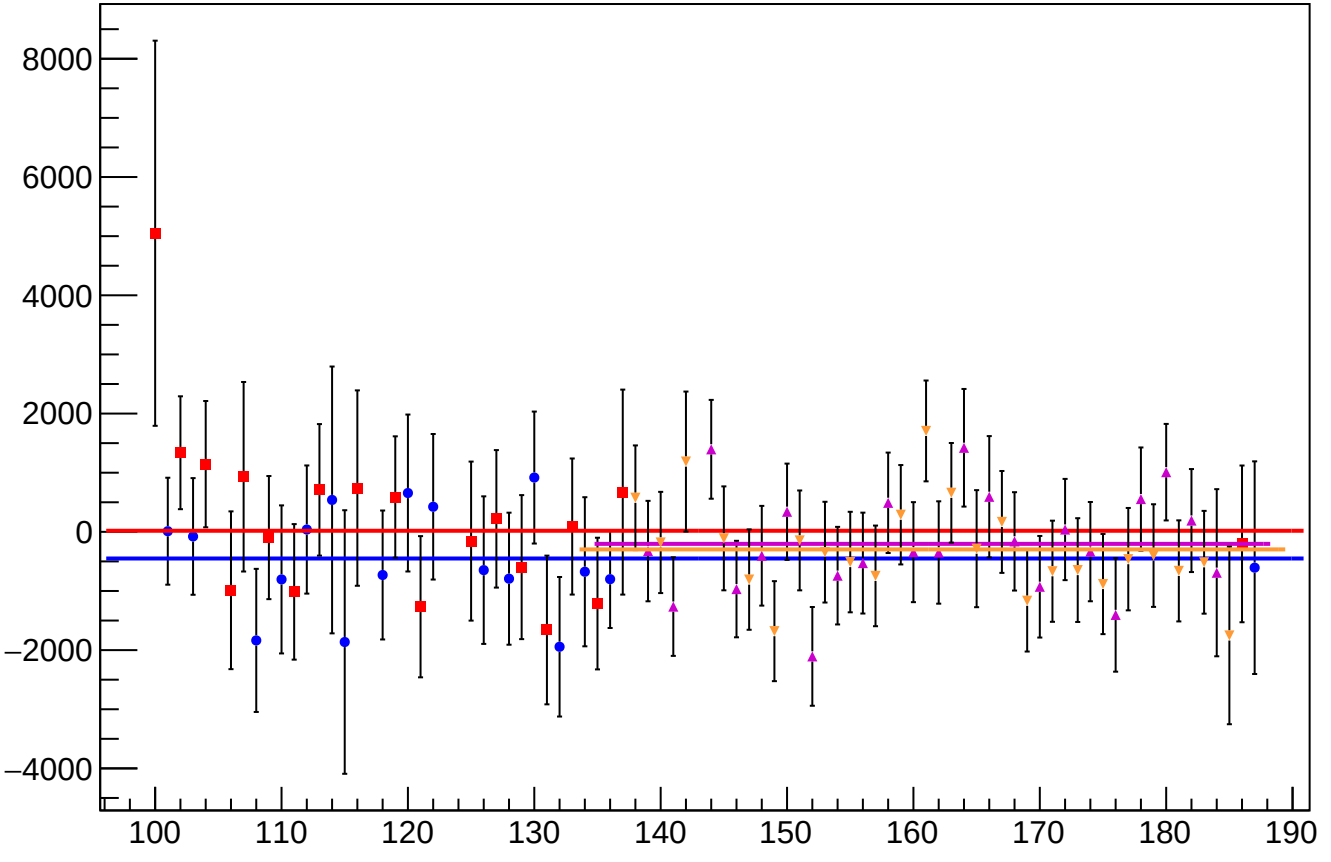
Right: 688.288+/-0.132 χ^2/NDF: 2865222.1/35

In: 531.684+/-0.076 χ^2/NDF:2544445.1/39

Out: 528.891+/-0.075 χ^2/NDF:3039011.8/42

All: 530.273+/-0.054 χ^2/NDF: 5584136.2/82

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.674+/-285.568 χ^2/NDF: 7.3/16

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

Right Out: 18.280+/-281.777 χ^2/NDF: 12.7/18

Left In: -203.339+/-181.548 χ^2/NDF:22.1/22

Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

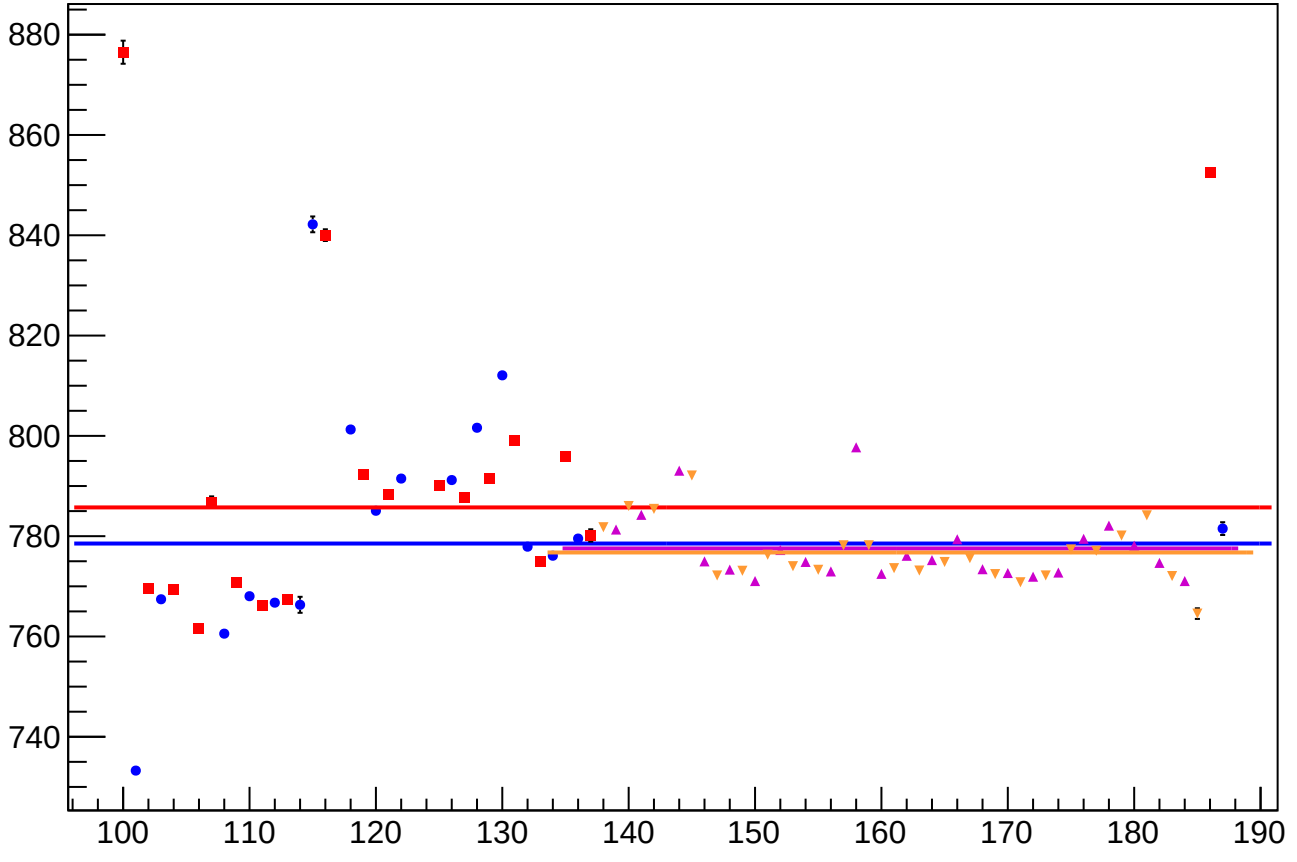
Right: -213.064+/-200.573 χ^2/NDF: 21.3/35

In: -274.531+/-153.208 χ^2/NDF:29.9/39

Out: -205.265+/-151.859 χ^2/NDF:30.2/42

All: -239.591+/-107.854 χ^2/NDF: 60.3/82

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 778.533+/-0.202 χ^2/NDF: 11800.8/16

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

Right Out: 785.735+/-0.199 χ^2/NDF: 12791.4/18

Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

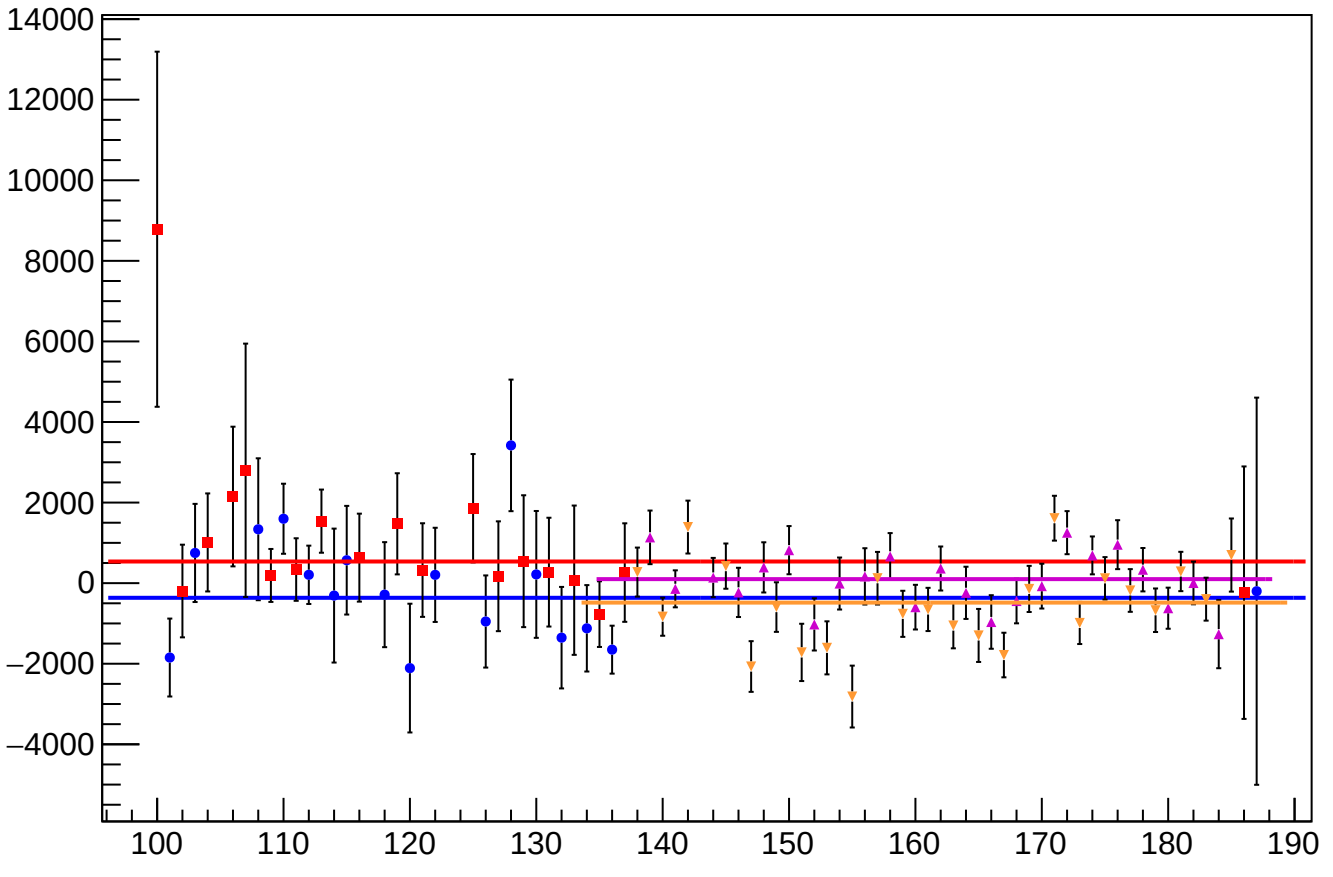
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 782.182+/-0.142 χ^2/NDF: 25236.7/35

In: 777.833+/-0.108 χ^2/NDF:14568.4/39

Out: 779.360+/-0.107 χ^2/NDF:16060.3/42

All: 778.603+/-0.076 χ^2/NDF: 30729.0/82



Right In: -363.464+/-268.894 χ^2/NDF: 23.3/16

Left Out: -482.886+/-118.805 χ^2/NDF:65.1/23

Right Out: 537.332+/-264.328 χ^2/NDF: 11.8/18

Left In: 99.985+/-119.677 χ^2/NDF:27.4/22

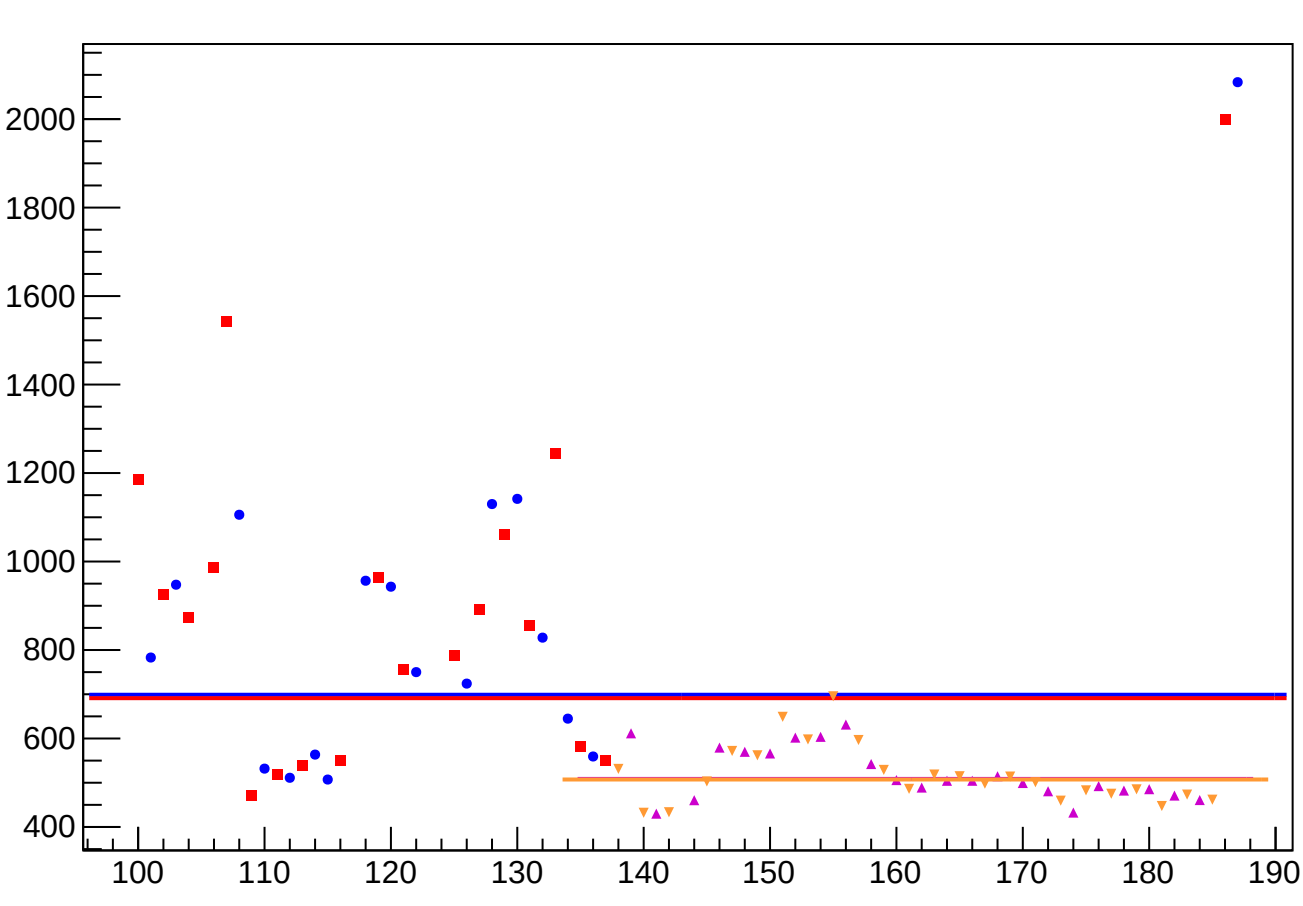
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 94.647+/-188.501 χ^2/NDF: 40.9/35

In: 23.360+/-109.336 χ^2/NDF:53.2/39

Out: -311.423+/-108.363 χ^2/NDF:89.3/42

All: -145.528+/-76.966 χ^2/NDF: 147.3/82



Right In: 698.872+/-0.190 χ^2/NDF: 1196468.2/16

Left Out: 507.319+/-0.084 χ^2/NDF:473982.3/23

Right Out: 691.115+/-0.187 χ^2/NDF: 1662039.0/18

Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

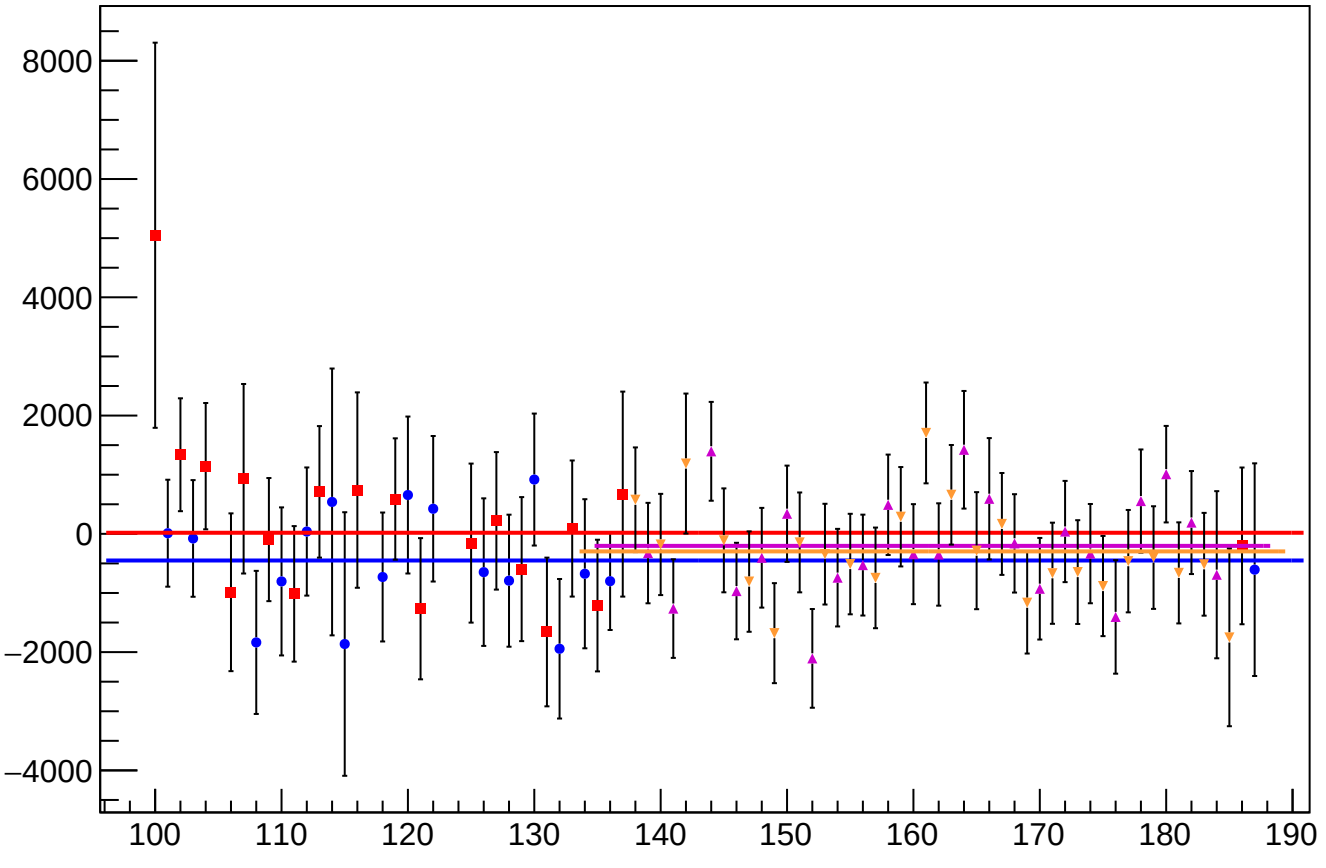
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 694.927+/-0.133 χ^2/NDF: 2859353.6/35

In: 540.091+/-0.077 χ^2/NDF:2464429.9/39

Out: 538.209+/-0.077 χ^2/NDF:2940487.5/42

All: 539.141+/-0.054 χ^2/NDF: 5405216.5/82



Right In: -450.674+/-285.567 χ^2/NDF: 7.3/16

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

Right Out: 18.278+/-281.777 χ^2/NDF: 12.7/18

Left In: -203.338+/-181.548 χ^2/NDF:22.1/22

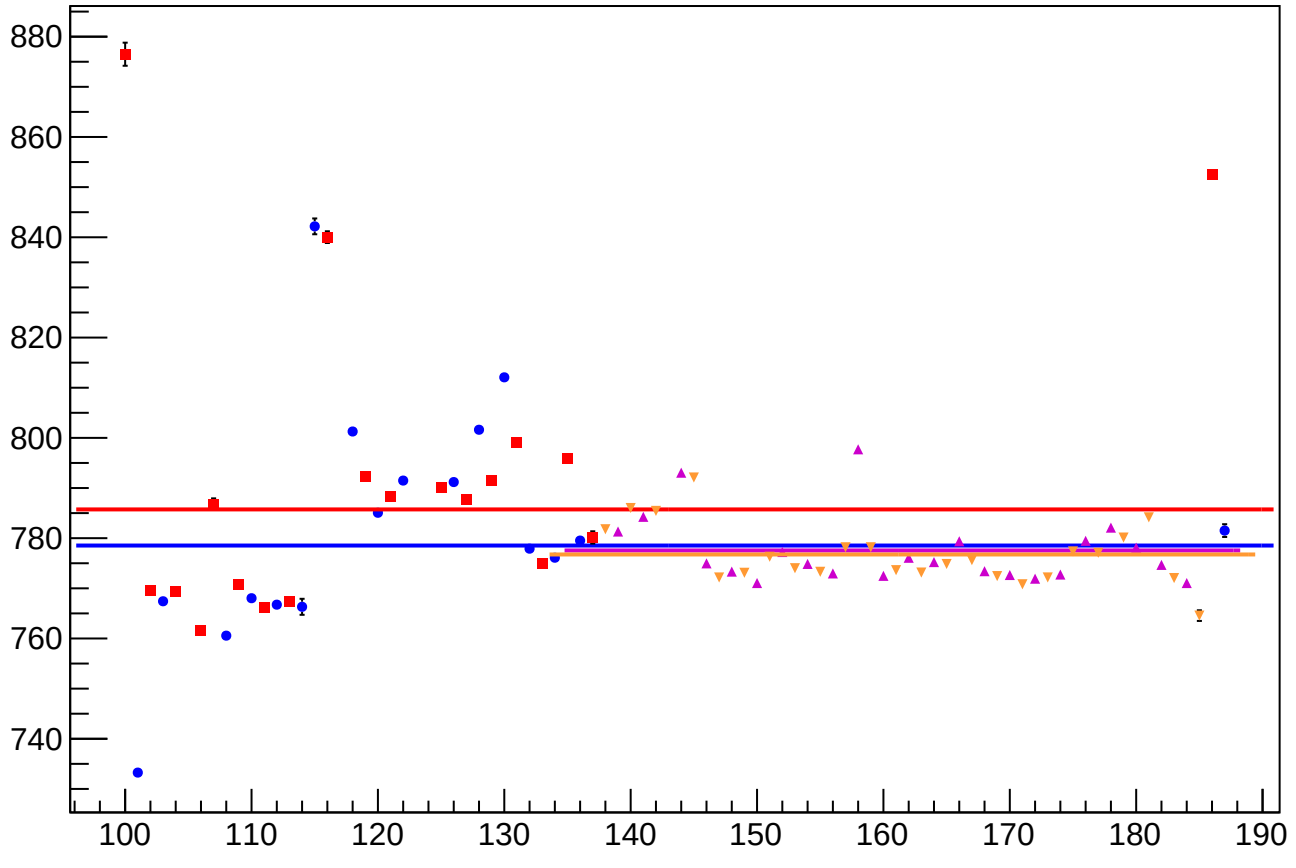
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -213.065+/-200.573 χ^2/NDF: 21.3/35

In: -274.530+/-153.208 χ^2/NDF:29.9/39

Out: -205.266+/-151.859 χ^2/NDF:30.2/42

All: -239.592+/-107.854 χ^2/NDF: 60.3/82



Right In: 778.533+/-0.202 χ^2/NDF: 11800.8/16

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

Right Out: 785.735+/-0.199 χ^2/NDF: 12791.4/18

Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

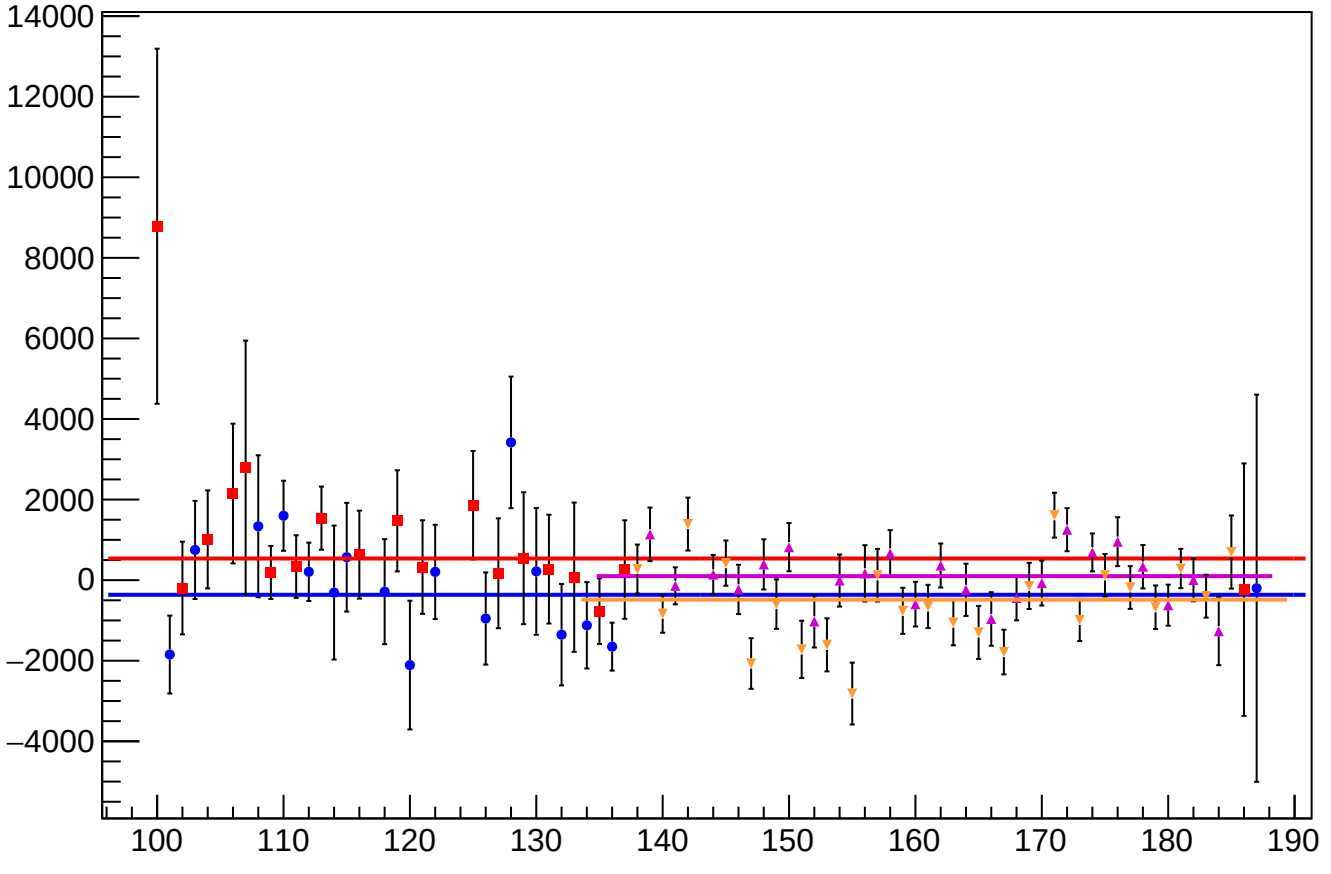
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 782.182+/-0.142 χ^2/NDF: 25236.7/35

In: 777.833+/-0.108 χ^2/NDF:14568.4/39

Out: 779.360+/-0.107 χ^2/NDF:16060.2/42

All: 778.603+/-0.076 χ^2/NDF: 30728.9/82



Right In: -363.459+/-268.892 χ^2/NDF: 23.3/16

Left Out: -482.886+/-118.806 χ^2/NDF:65.1/23

Right Out: 537.331+/-264.326 χ^2/NDF: 11.8/18

Left In: 99.985+/-119.677 χ^2/NDF:27.4/22

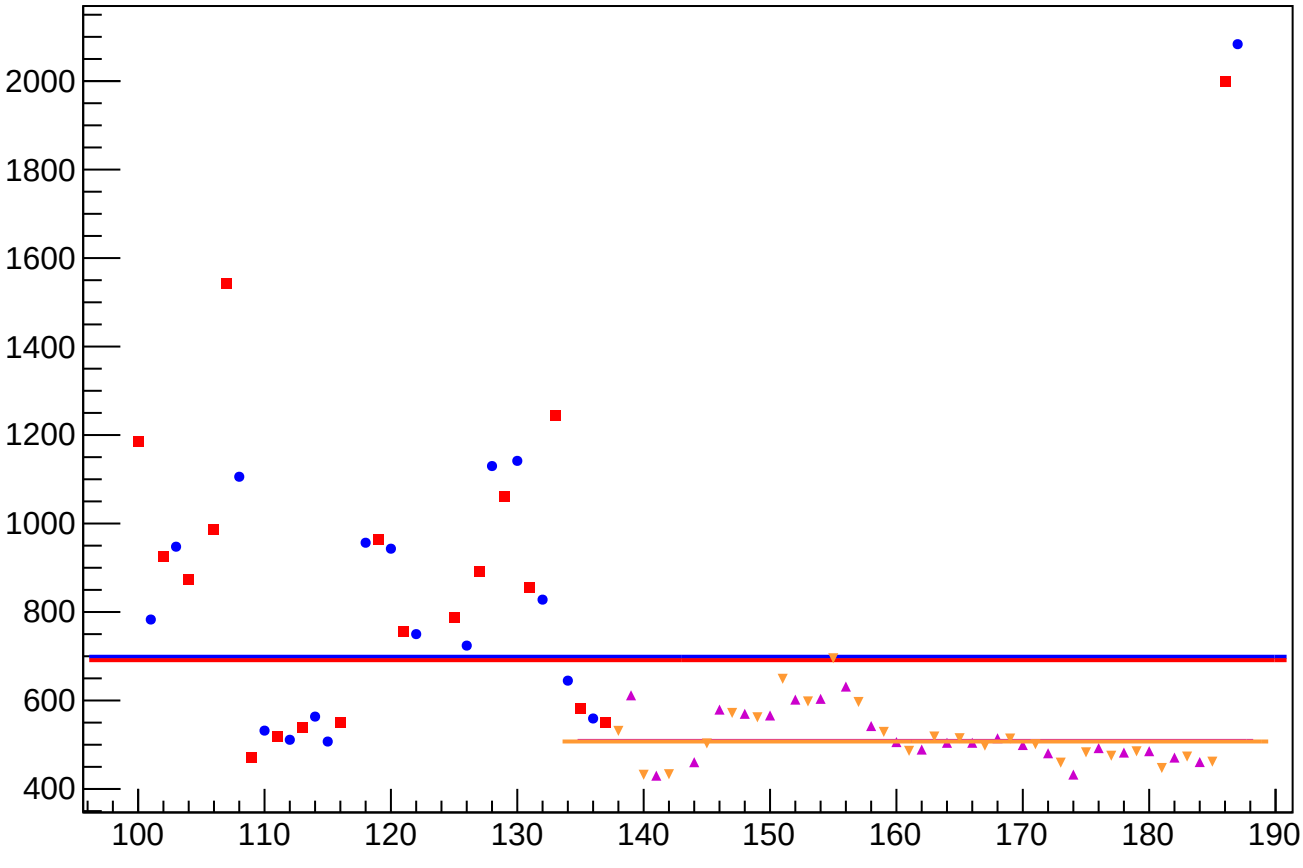
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 94.649+/-188.501 χ^2/NDF: 40.9/35

In: 23.360+/-109.336 χ^2/NDF:53.2/39

Out: -311.422+/-108.363 χ^2/NDF:89.3/42

All: -145.528+/-76.966 χ^2/NDF: 147.3/82



Right In: 698.868+/-0.190 χ^2/NDF: 1196480.5/16

Left Out: 507.319+/-0.084 χ^2/NDF:473992.3/23

Right Out: 691.112+/-0.187 χ^2/NDF: 1662060.3/18

Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

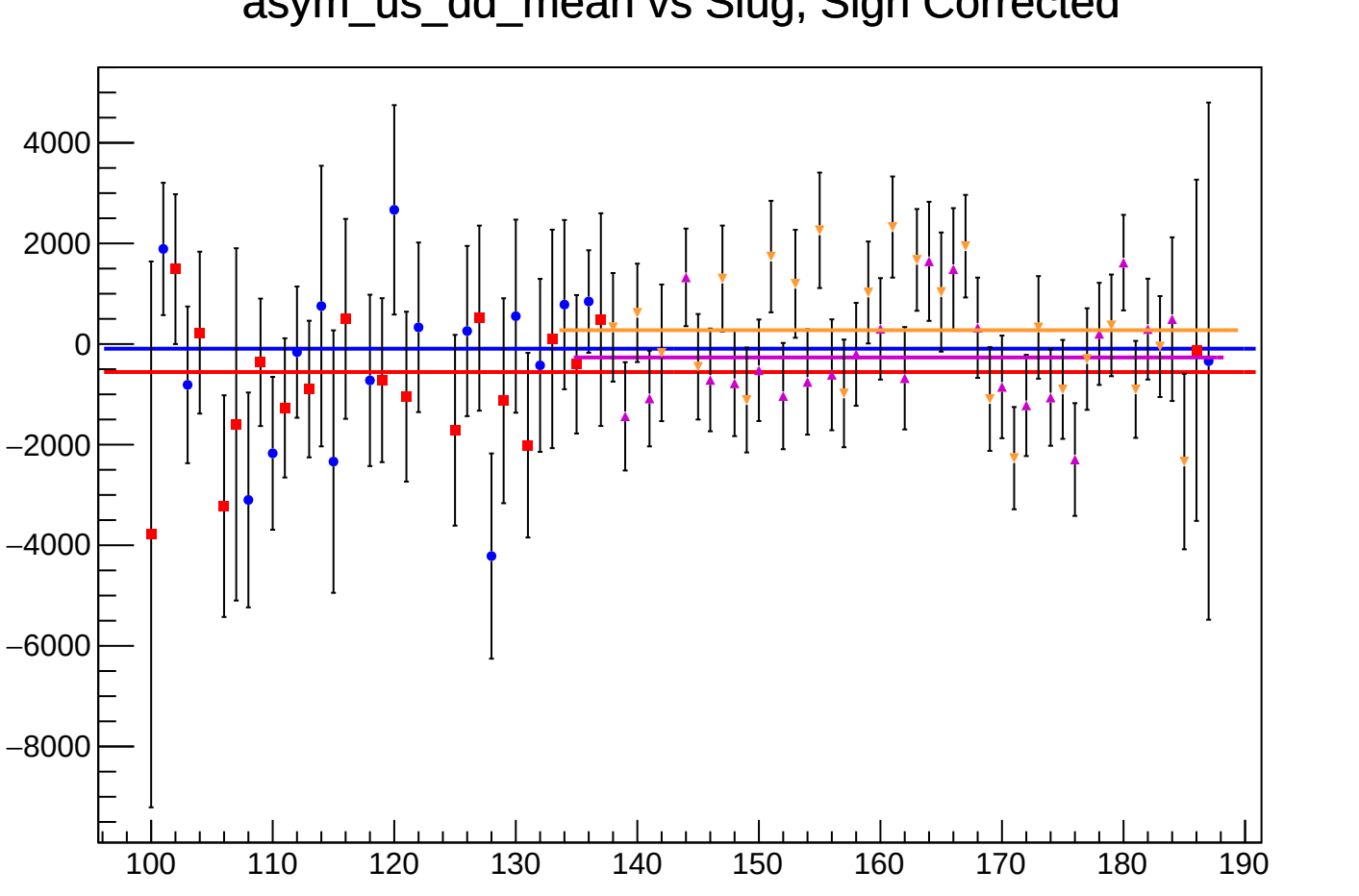
Left: 507.974+/-0.060 χ^2/NDF: 906576.5/46

Right: 694.924+/-0.133 χ^2/NDF: 2859387.1/35

In: 540.091+/-0.077 χ^2/NDF:2464432.6/39

Out: 538.208+/-0.077 χ^2/NDF:2940493.4/42

All: 539.141+/-0.054 χ^2/NDF: 5405225.0/82



Right In: -92.877+/-408.659 χ^2/NDF: 14.5/16

Left Out: 275.181+/-216.290 χ^2/NDF:33.6/23

Right Out: -556.917+/-408.567 χ^2/NDF: 6.5/18

Left In: -267.059+/-217.685 χ^2/NDF:21.4/22

Left: 5.805+/-153.431 χ^2/NDF: 58.1/46

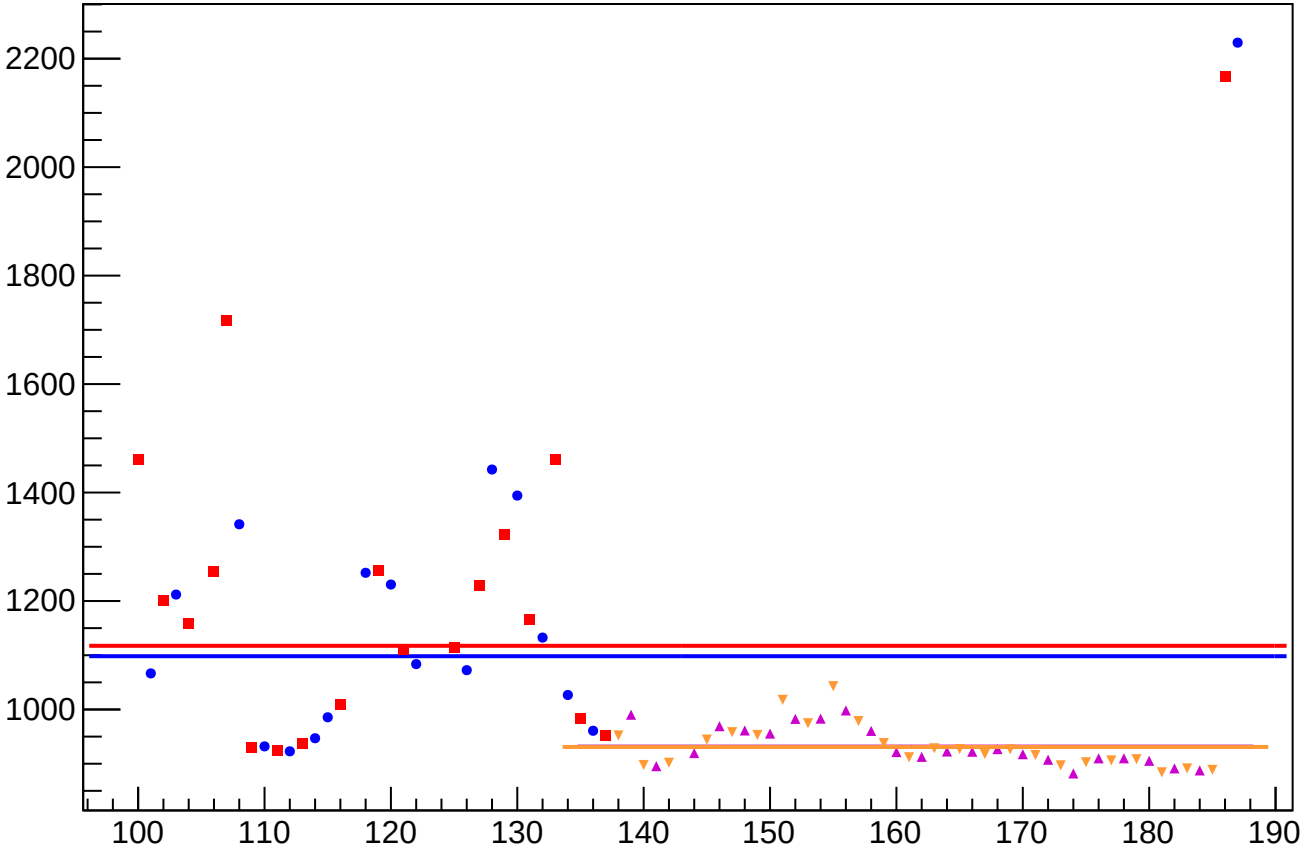
Right: -324.949+/-288.933 χ^2/NDF: 21.7/35

In: -228.560+/-192.127 χ^2/NDF:36.0/39

Out: 93.033+/-191.156 χ^2/NDF:43.4/42

All: -66.949+/-135.510 χ^2/NDF: 80.9/82

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1098.237+/-0.289 χ^2/NDF: 374796.1/16

Left Out: 930.922+/-0.153 χ^2/NDF:61953.0/23

Right Out: 1117.414+/-0.289 χ^2/NDF: 522566.8/18

Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

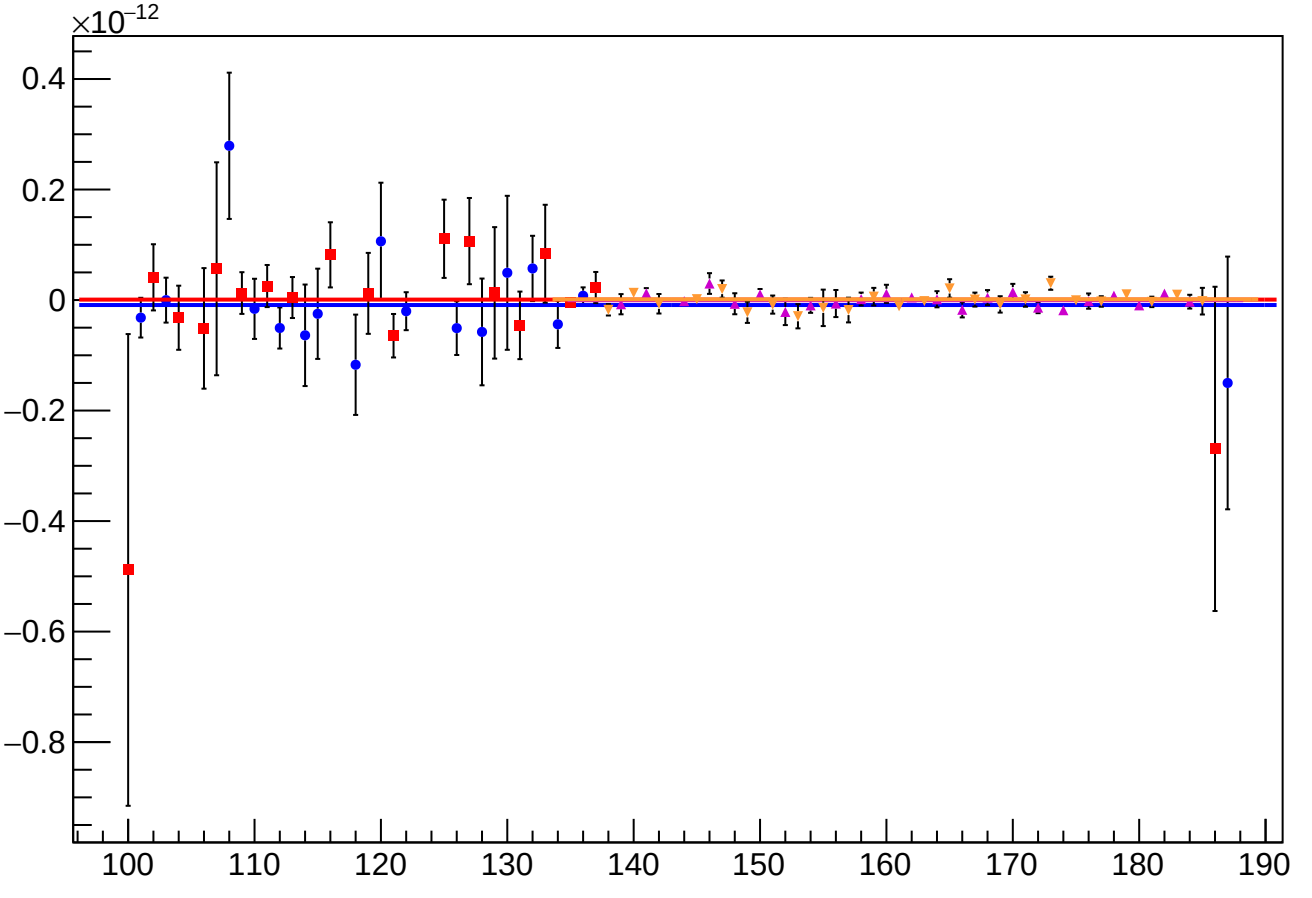
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1107.827+/-0.204 χ^2/NDF: 899565.5/35

In: 968.402+/-0.136 χ^2/NDF:682871.3/39

Out: 971.746+/-0.135 χ^2/NDF:910001.2/42

All: 970.082+/-0.096 χ^2/NDF: 1593176.8/82



Right In: -0.000+/-0.000 χ^2/NDF: 14.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:22.1/22

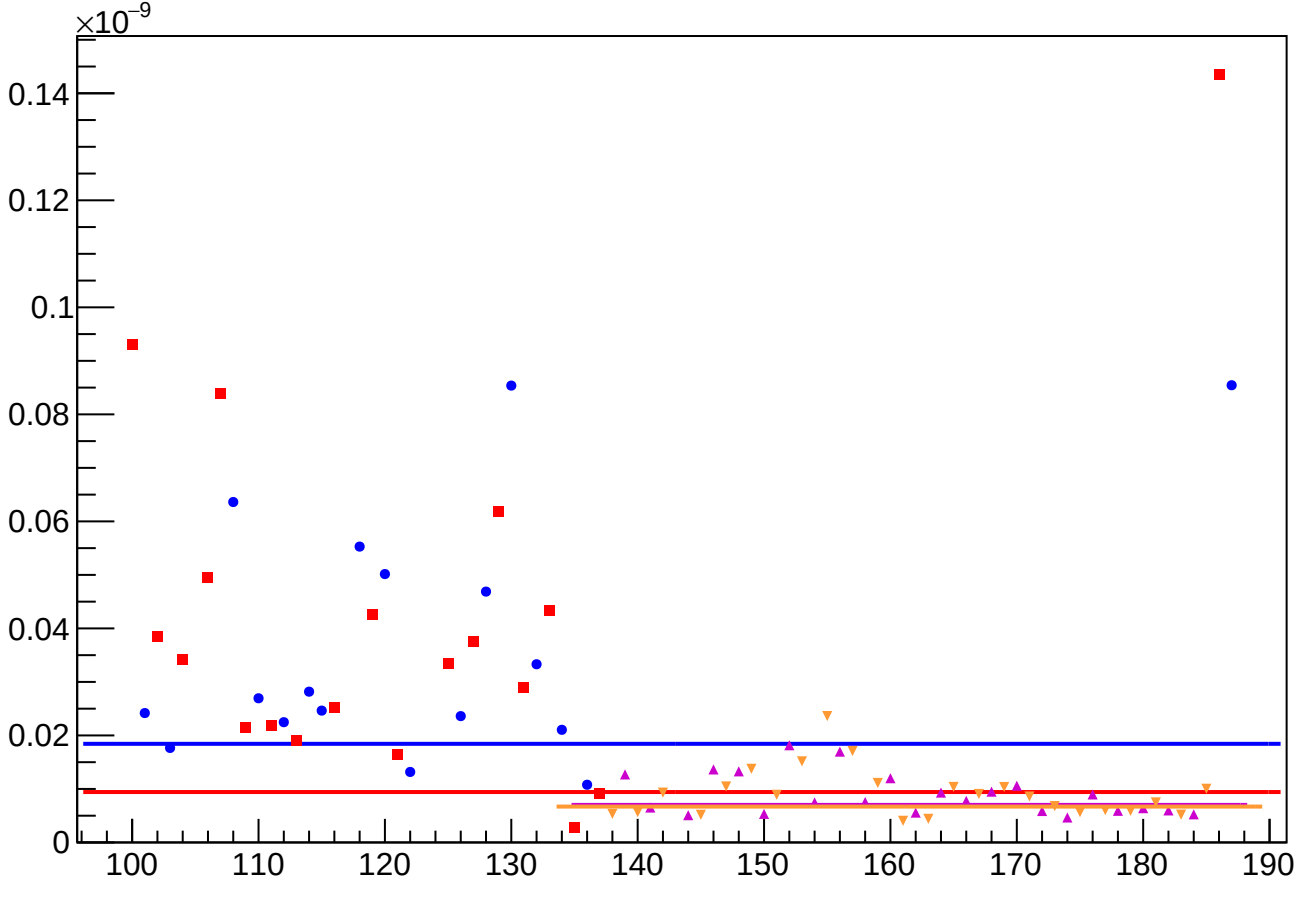
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 30.0/35

In: -0.000+/-0.000 χ^2/NDF:37.0/39

Out: 0.000+/-0.000 χ^2/NDF:40.8/42

All: 0.000+/-0.000 χ^2/NDF: 78.2/82



Right In: 0.000+/-0.000 χ^2/NDF: 2414628.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2928195.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5558087.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

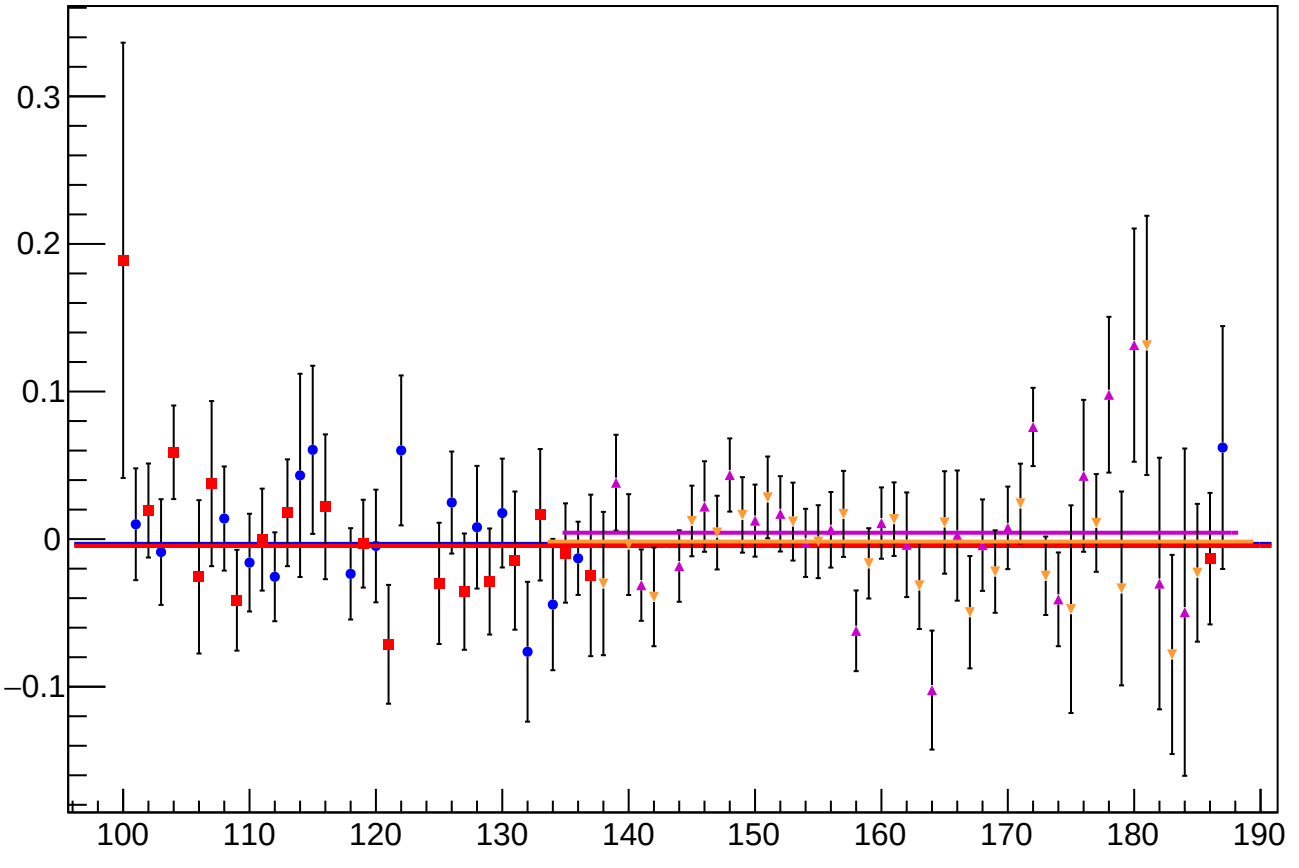
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9002848.4/35

In: 0.000+/-0.000 χ^2/NDF:7222179.9/39

Out: 0.000+/-0.000 χ^2/NDF:8740090.9/42

All: 0.000+/-0.000 χ^2/NDF: 16048280.2/82



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: -0.005+/-0.009 χ^2/NDF: 13.5/18

Left In: 0.004+/-0.006 χ^2/NDF:36.5/22

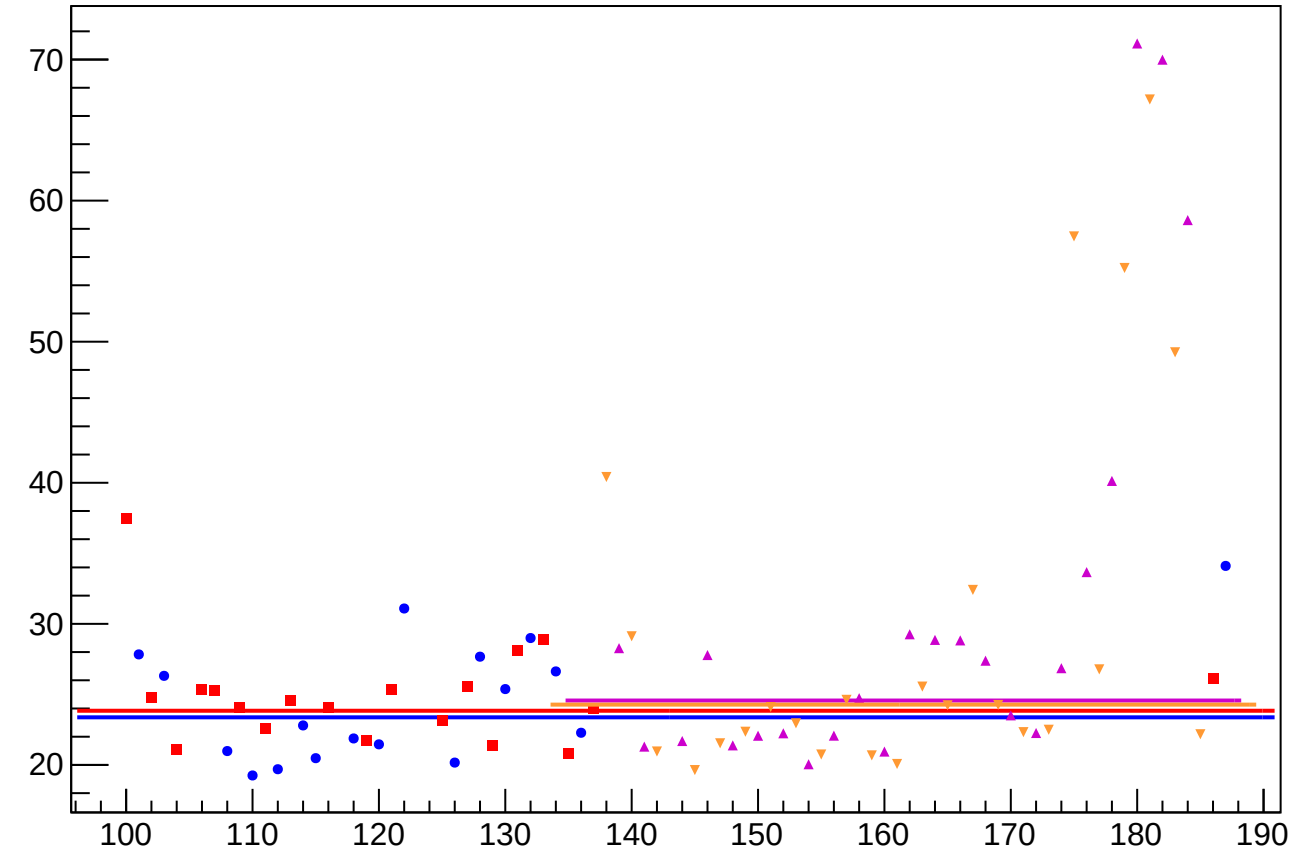
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 23.4/35

In: 0.002+/-0.005 χ^2/NDF:46.8/39

Out: -0.003+/-0.005 χ^2/NDF:28.2/42

All: -0.000+/-0.004 χ^2/NDF: 75.4/82



Right In: 23.374+/-0.007 χ^2/NDF: 293693.1/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

Right Out: 23.841+/-0.006 χ^2/NDF: 131747.9/18

Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

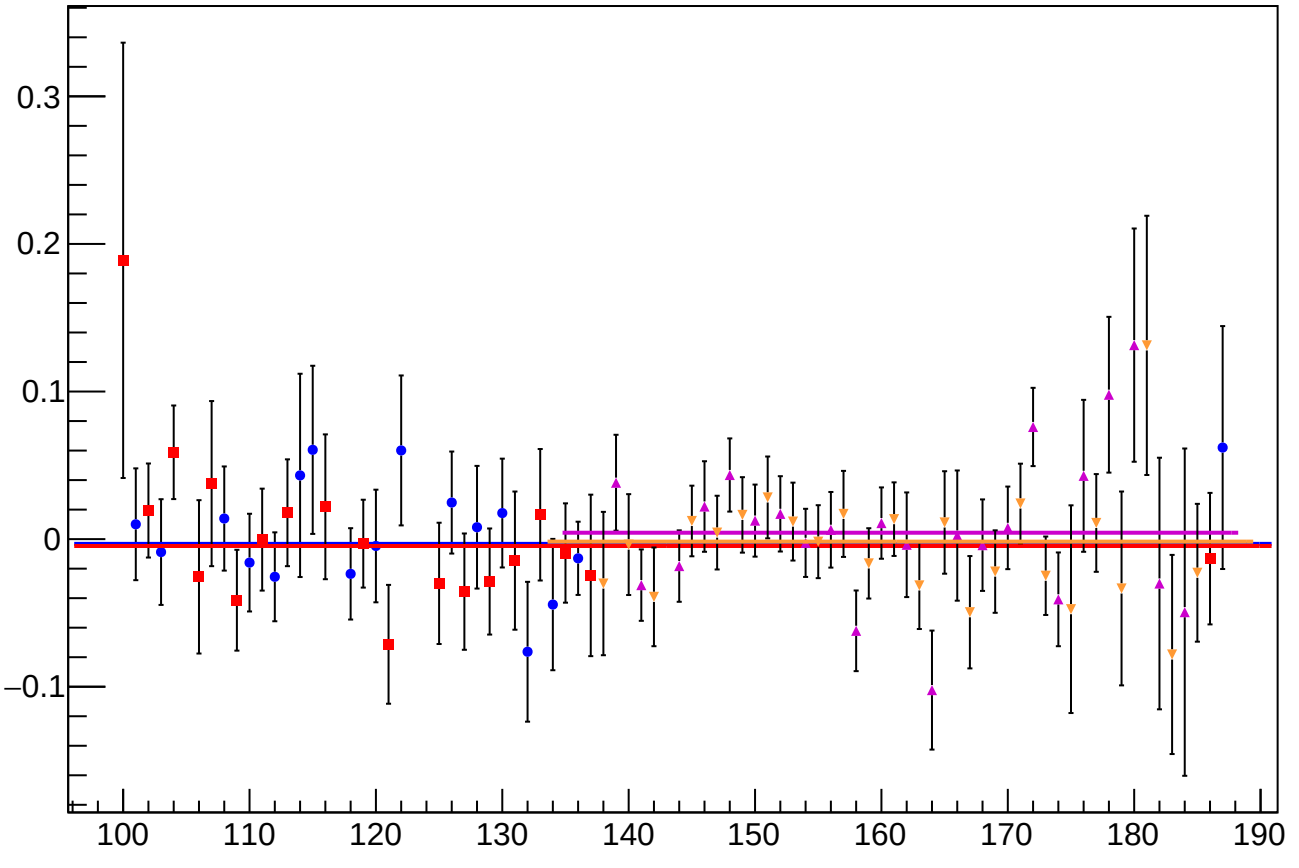
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 23.609+/-0.005 χ^2/NDF: 428039.2/35

In: 24.177+/-0.004 χ^2/NDF:2449201.8/39

Out: 24.133+/-0.004 χ^2/NDF:2445477.3/42

All: 24.155+/-0.003 χ^2/NDF: 4894750.4/82



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: -0.005+/-0.009 χ^2/NDF: 13.5/18

Left In: 0.004+/-0.006 χ^2/NDF:36.5/22

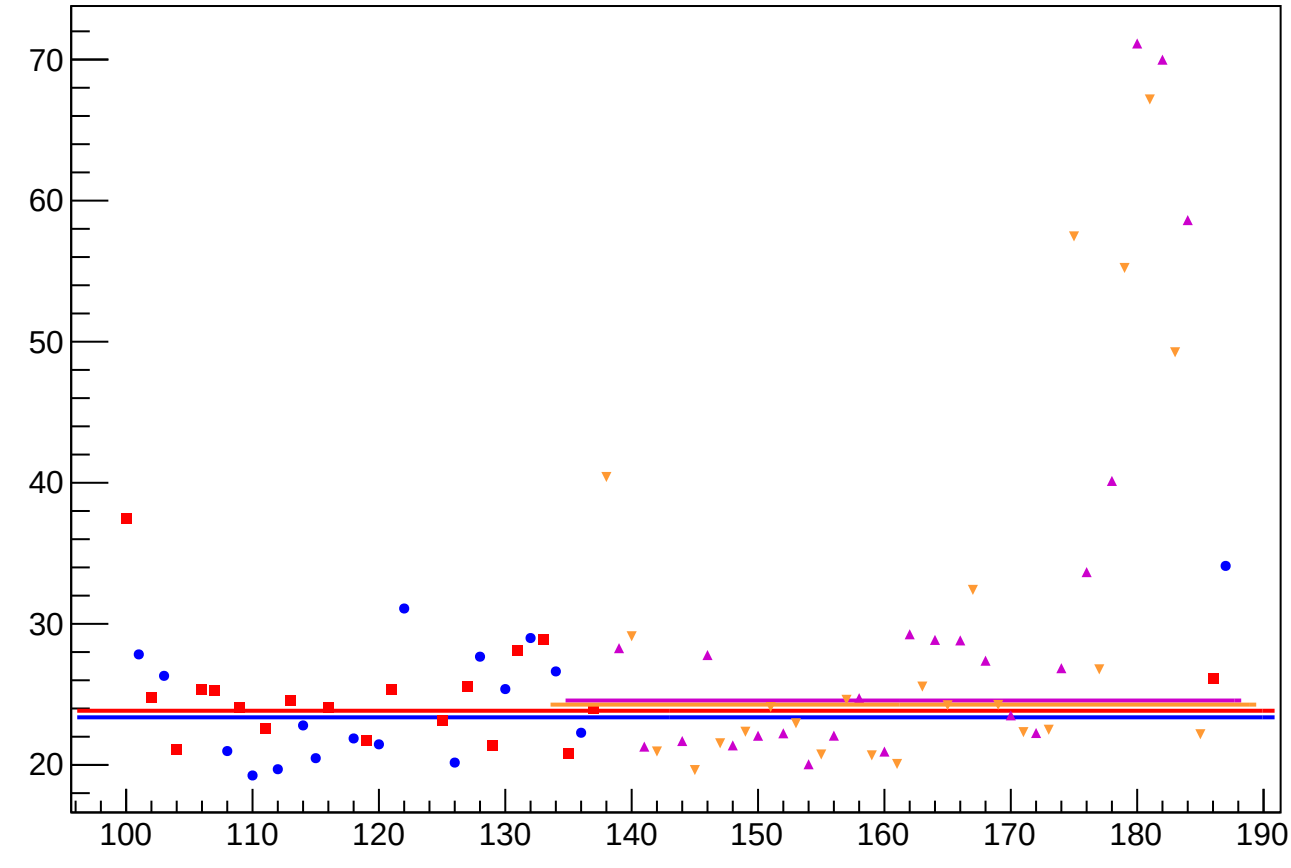
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 23.4/35

In: 0.002+/-0.005 χ^2/NDF:46.8/39

Out: -0.003+/-0.005 χ^2/NDF:28.2/42

All: -0.000+/-0.004 χ^2/NDF: 75.4/82



Right In: 23.374+/-0.007 χ^2/NDF: 293693.1/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

Right Out: 23.841+/-0.006 χ^2/NDF: 131747.9/18

Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

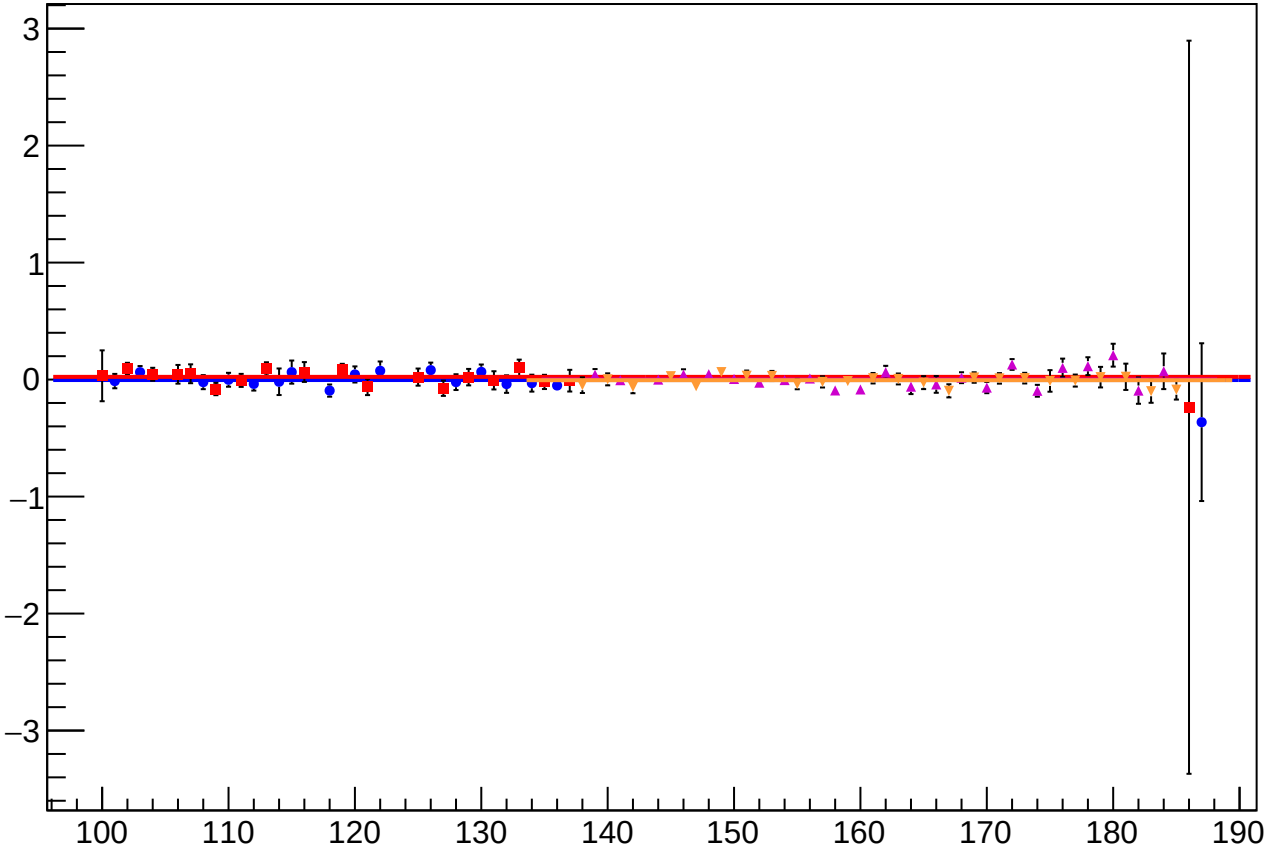
Right: 23.609+/-0.005 χ^2/NDF: 428039.2/35

In: 24.177+/-0.004 χ^2/NDF:2449201.8/39

Out: 24.133+/-0.004 χ^2/NDF:2445477.3/42

All: 24.155+/-0.003 χ^2/NDF: 4894750.4/82

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/16

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: 0.023+/-0.016 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.010 χ^2/NDF:37.9/22

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

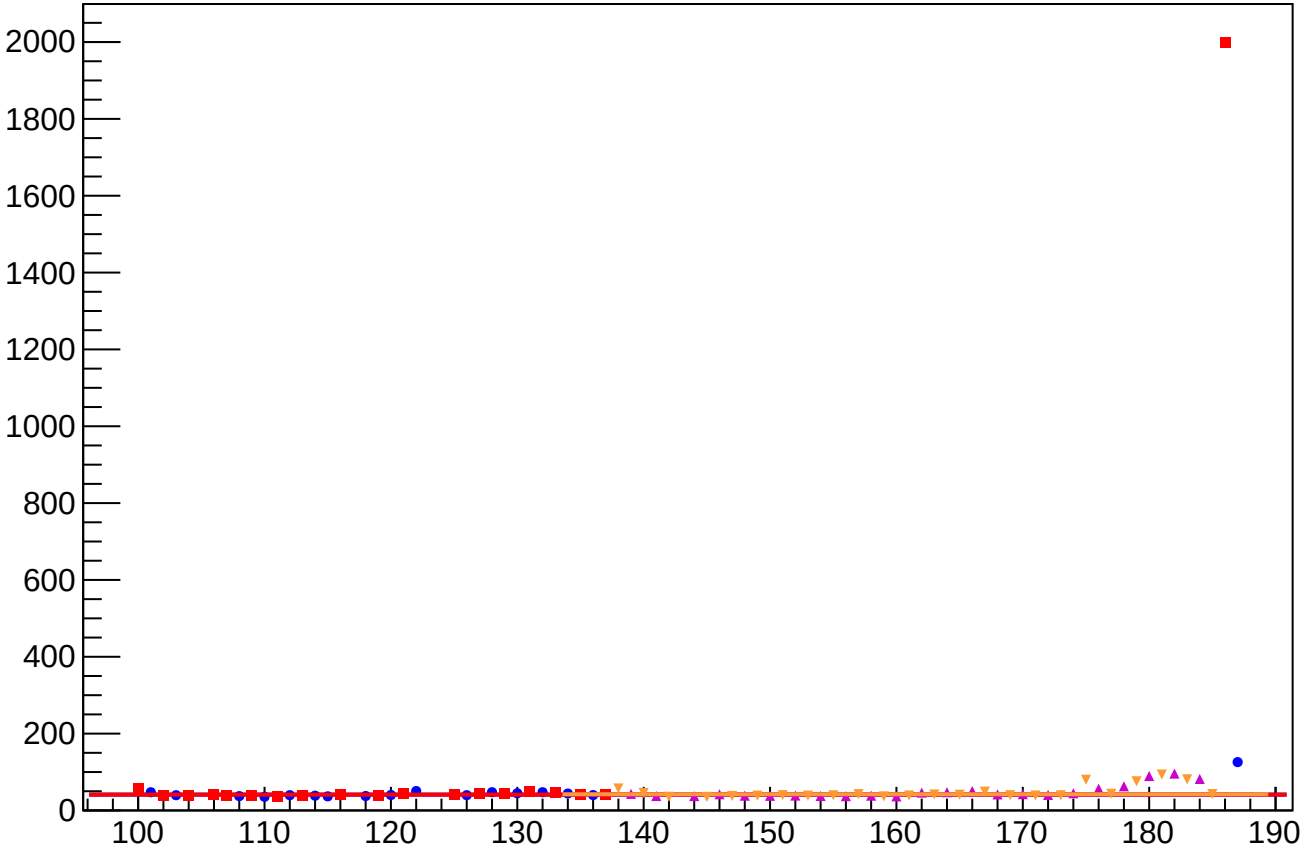
Right: 0.010+/-0.011 χ^2/NDF: 28.8/35

In: -0.001+/-0.009 χ^2/NDF:49.9/39

Out: 0.004+/-0.009 χ^2/NDF:31.6/42

All: 0.001+/-0.006 χ^2/NDF: 81.6/82

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.288+/-0.011 χ^2/NDF: 166710.1/16

Left Out: 42.088+/-0.007 χ^2/NDF:1716047.0/23

Right Out: 41.103+/-0.011 χ^2/NDF: 877138.2/18

Left In: 42.078+/-0.007 χ^2/NDF:1543505.8/22

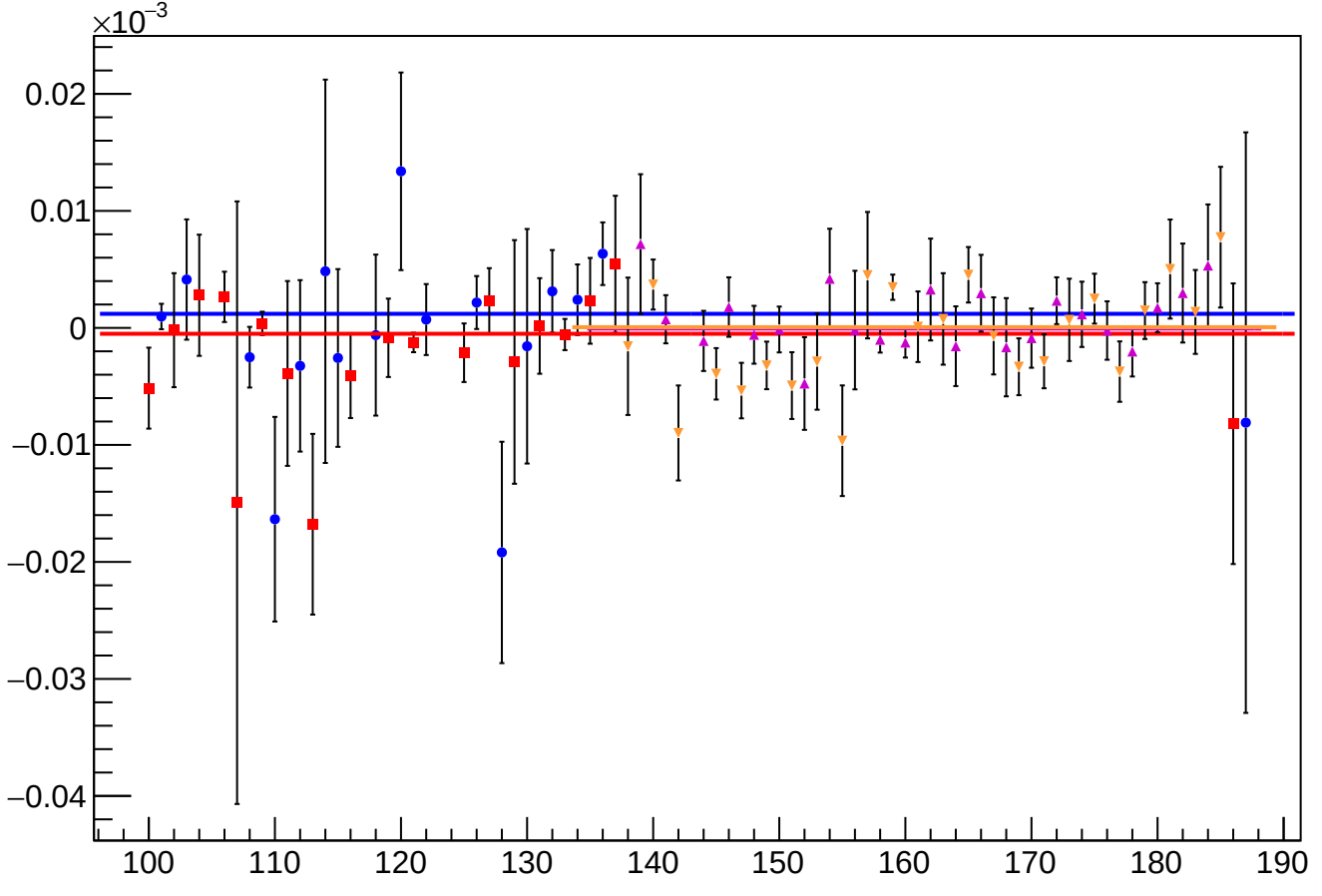
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.194+/-0.008 χ^2/NDF: 1043988.5/35

In: 41.837+/-0.006 χ^2/NDF:1713726.8/39

Out: 41.783+/-0.006 χ^2/NDF:2598759.3/42

All: 41.810+/-0.004 χ^2/NDF: 4312526.2/82



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/22

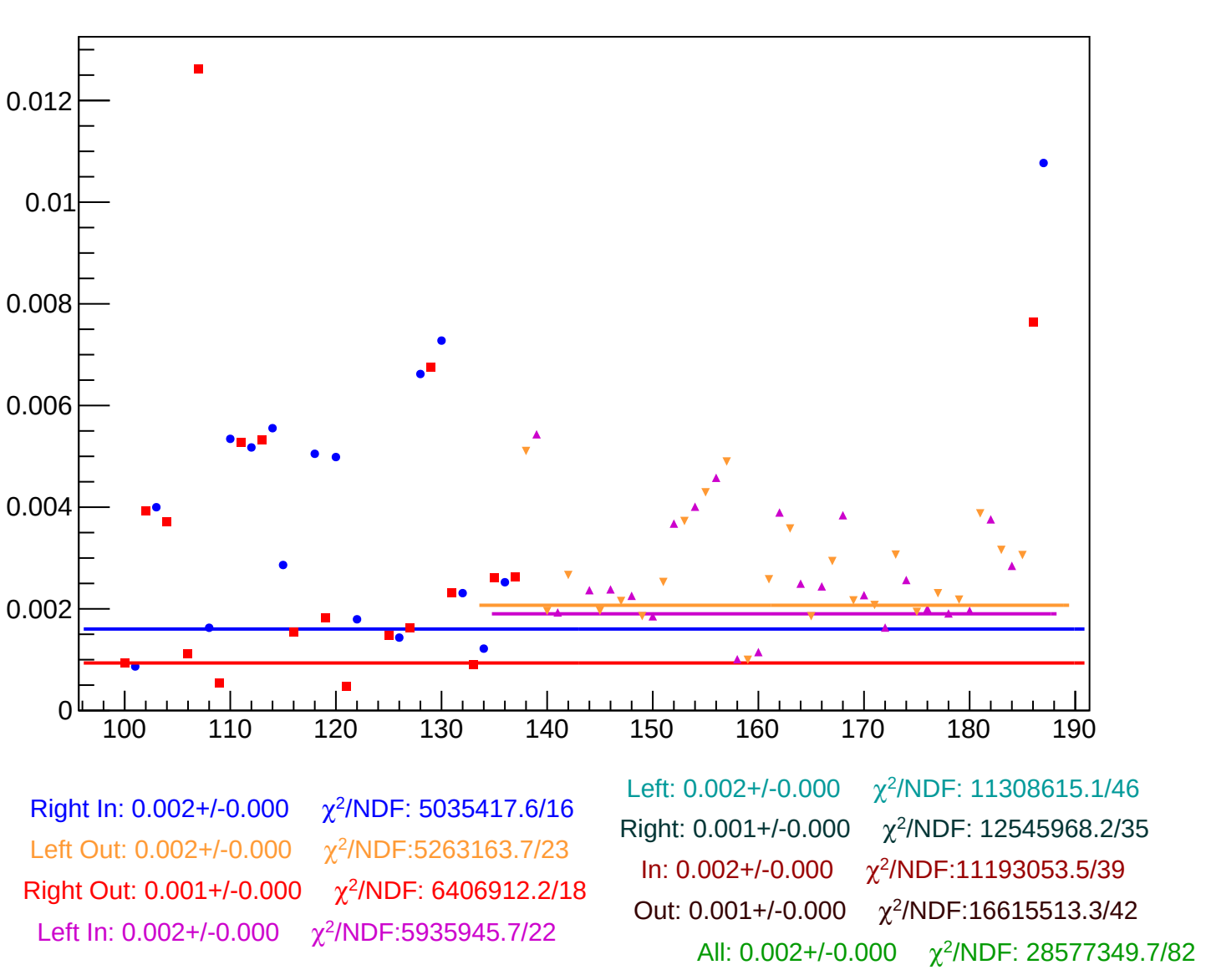
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

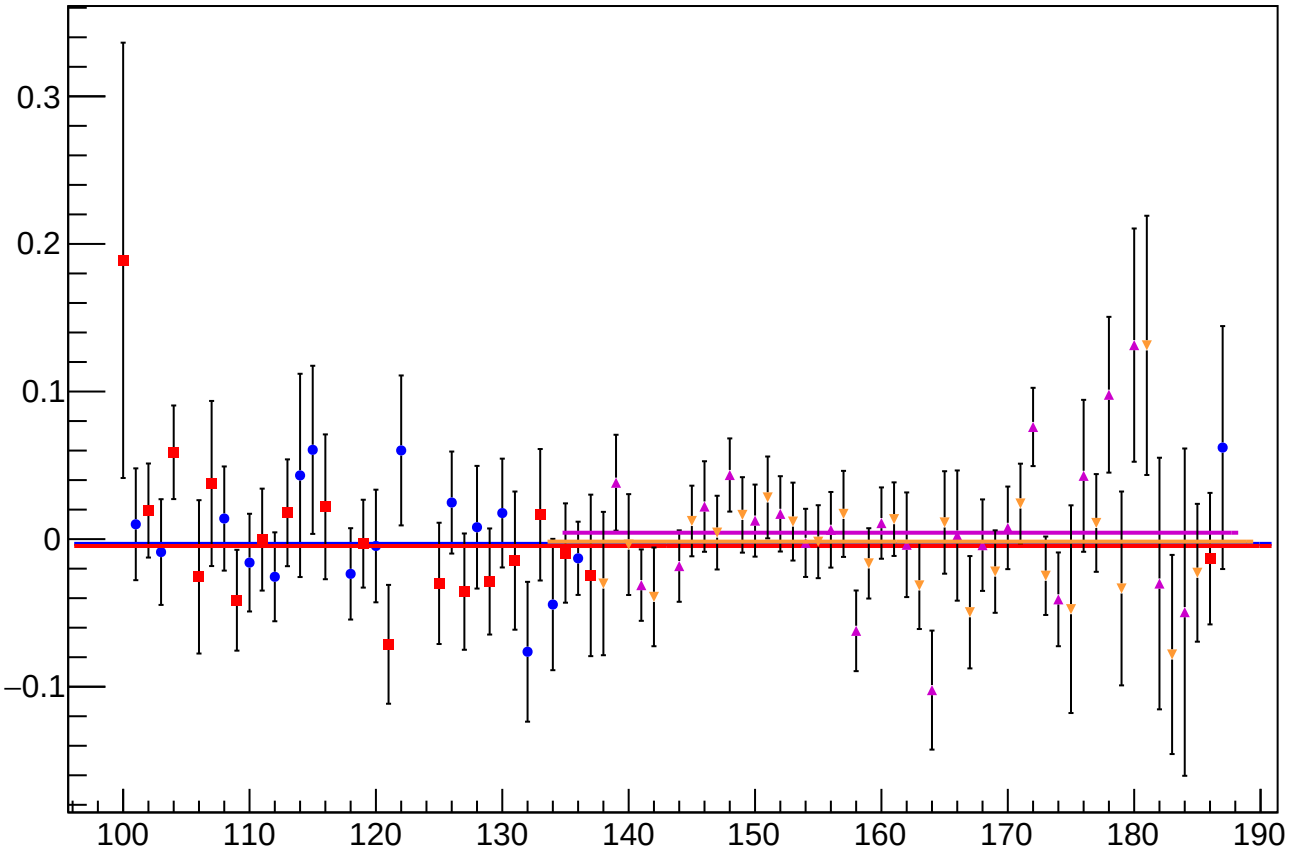
Right: 0.000+/-0.000 χ^2/NDF: 37.5/35

In: 0.000+/-0.000 χ^2/NDF:33.4/39

Out: -0.000+/-0.000 χ^2/NDF:67.7/42

All: 0.000+/-0.000 χ^2/NDF: 102.1/82


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 5035417.6/16
Left Out: 0.002+/-0.000 χ²/NDF:5263163.7/23
Right Out: 0.001+/-0.000 χ²/NDF: 6406912.2/18
Left In: 0.002+/-0.000 χ²/NDF:5935945.7/22
Left: 0.002+/-0.000 χ²/NDF: 11308615.1/46
Right: 0.001+/-0.000 χ²/NDF: 12545968.2/35
In: 0.002+/-0.000 χ²/NDF:11193053.5/39
Out: 0.001+/-0.000 χ²/NDF:16615513.3/42
All: 0.002+/-0.000 χ²/NDF: 28577349.7/82



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: -0.005+/-0.009 χ^2/NDF: 13.5/18

Left In: 0.004+/-0.006 χ^2/NDF:36.5/22

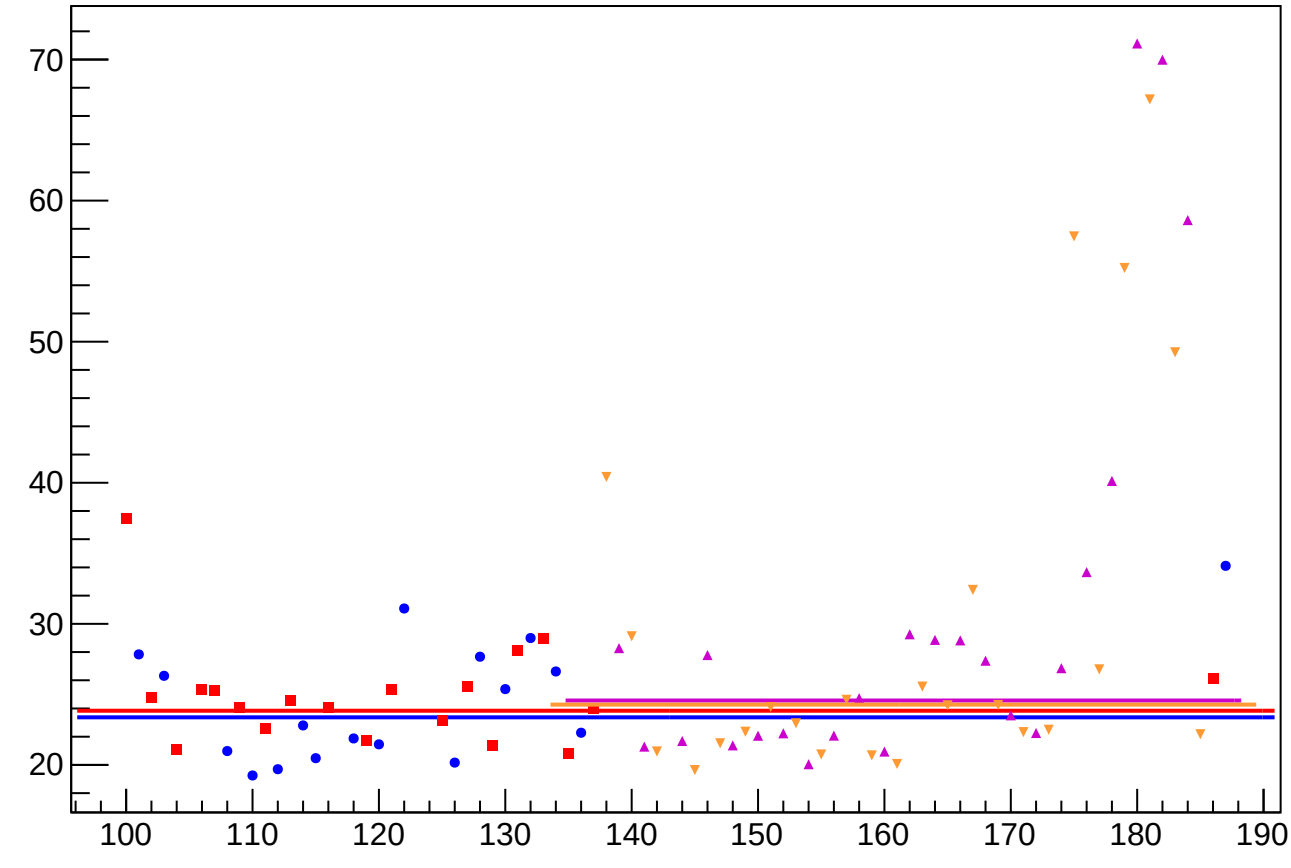
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 23.4/35

In: 0.002+/-0.005 χ^2/NDF:46.8/39

Out: -0.003+/-0.005 χ^2/NDF:28.2/42

All: -0.000+/-0.004 χ^2/NDF: 75.4/82



Right In: 23.373+/-0.007 χ^2/NDF: 293704.9/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

Right Out: 23.841+/-0.006 χ^2/NDF: 131695.7/18

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

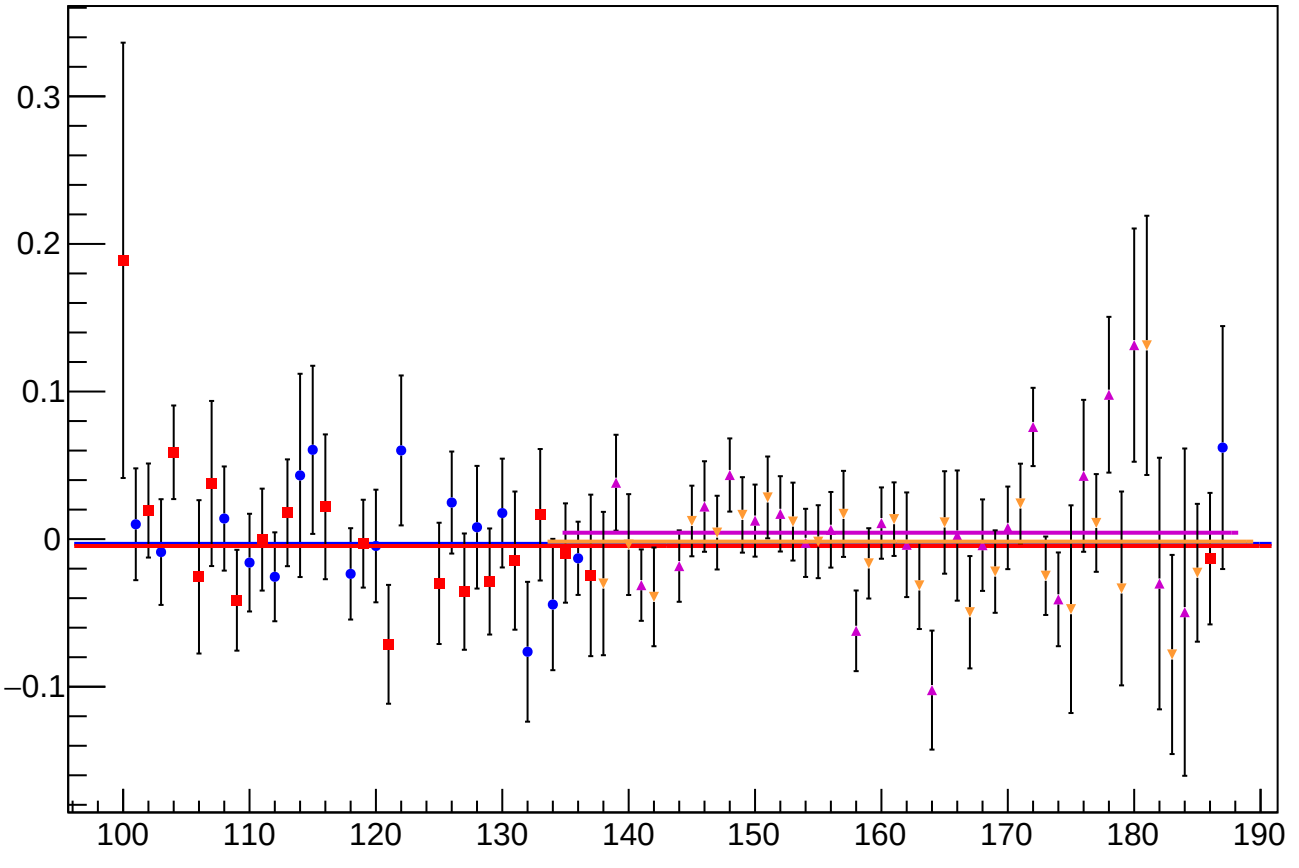
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 23.609+/-0.005 χ^2/NDF: 428008.4/35

In: 24.177+/-0.004 χ^2/NDF:2449113.9/39

Out: 24.133+/-0.004 χ^2/NDF:2445428.2/42

All: 24.155+/-0.003 χ^2/NDF: 4894613.0/82



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: -0.005+/-0.009 χ^2/NDF: 13.5/18

Left In: 0.004+/-0.006 χ^2/NDF:36.5/22

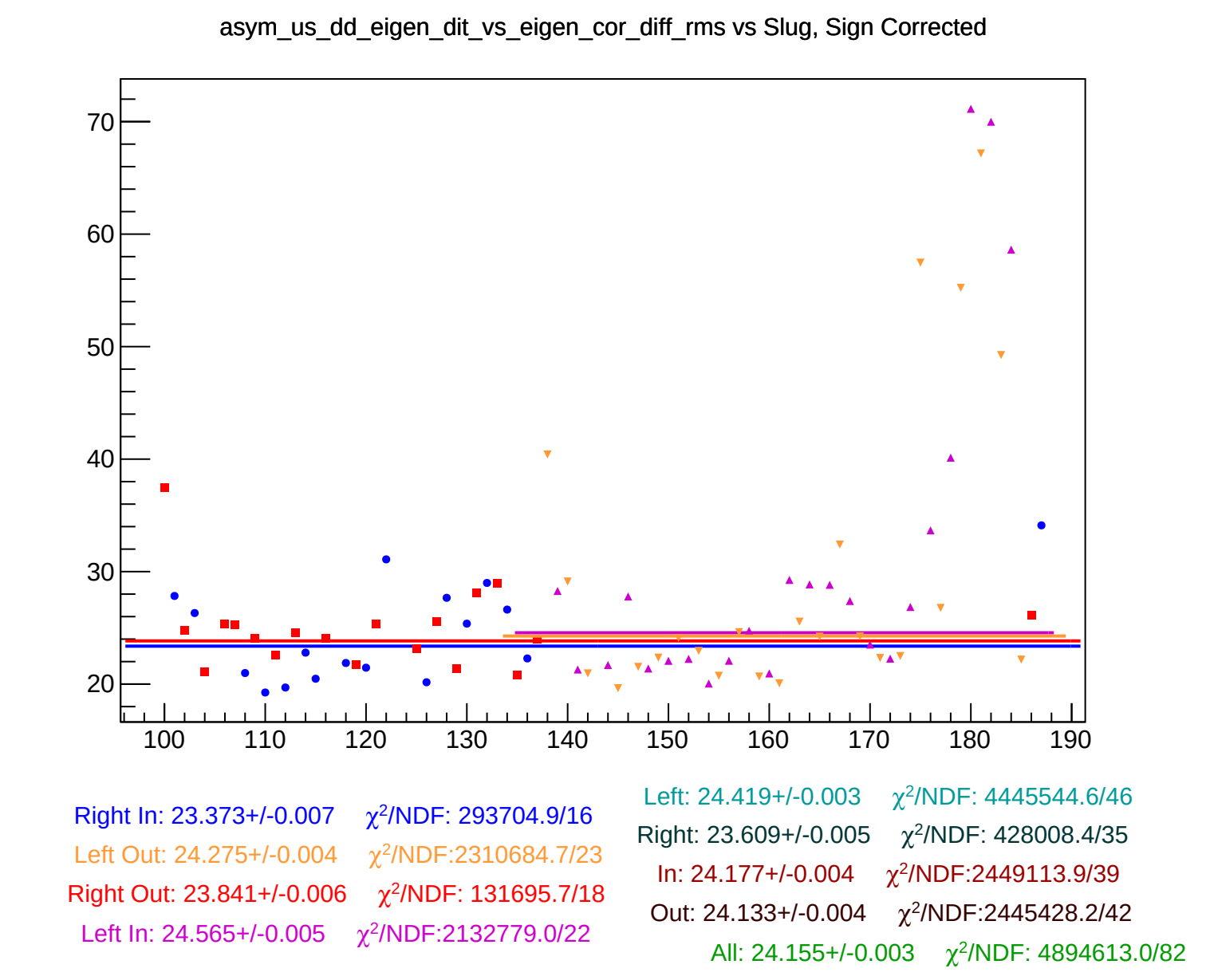
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 23.4/35

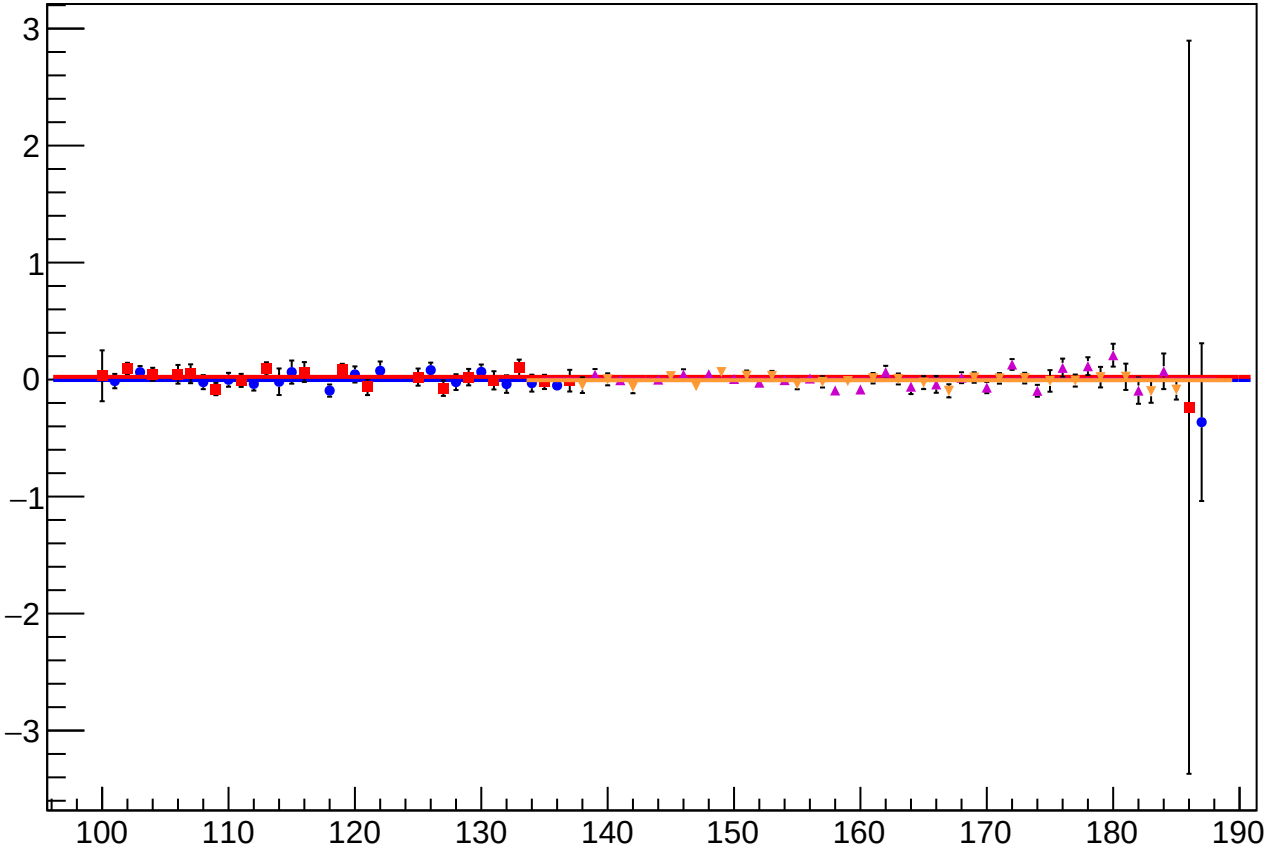
In: 0.002+/-0.005 χ^2/NDF:46.8/39

Out: -0.003+/-0.005 χ^2/NDF:28.2/42

All: -0.000+/-0.004 χ^2/NDF: 75.4/82


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 23.373+/-0.007 χ²/NDF: 293704.9/16
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 23.841+/-0.006 χ²/NDF: 131695.7/18
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
Left: 24.419+/-0.003 χ²/NDF: 4445544.6/46
Right: 23.609+/-0.005 χ²/NDF: 428008.4/35
In: 24.177+/-0.004 χ²/NDF:2449113.9/39
Out: 24.133+/-0.004 χ²/NDF:2445428.2/42
All: 24.155+/-0.003 χ²/NDF: 4894613.0/82

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/16

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: 0.023+/-0.016 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.010 χ^2/NDF:37.9/22

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

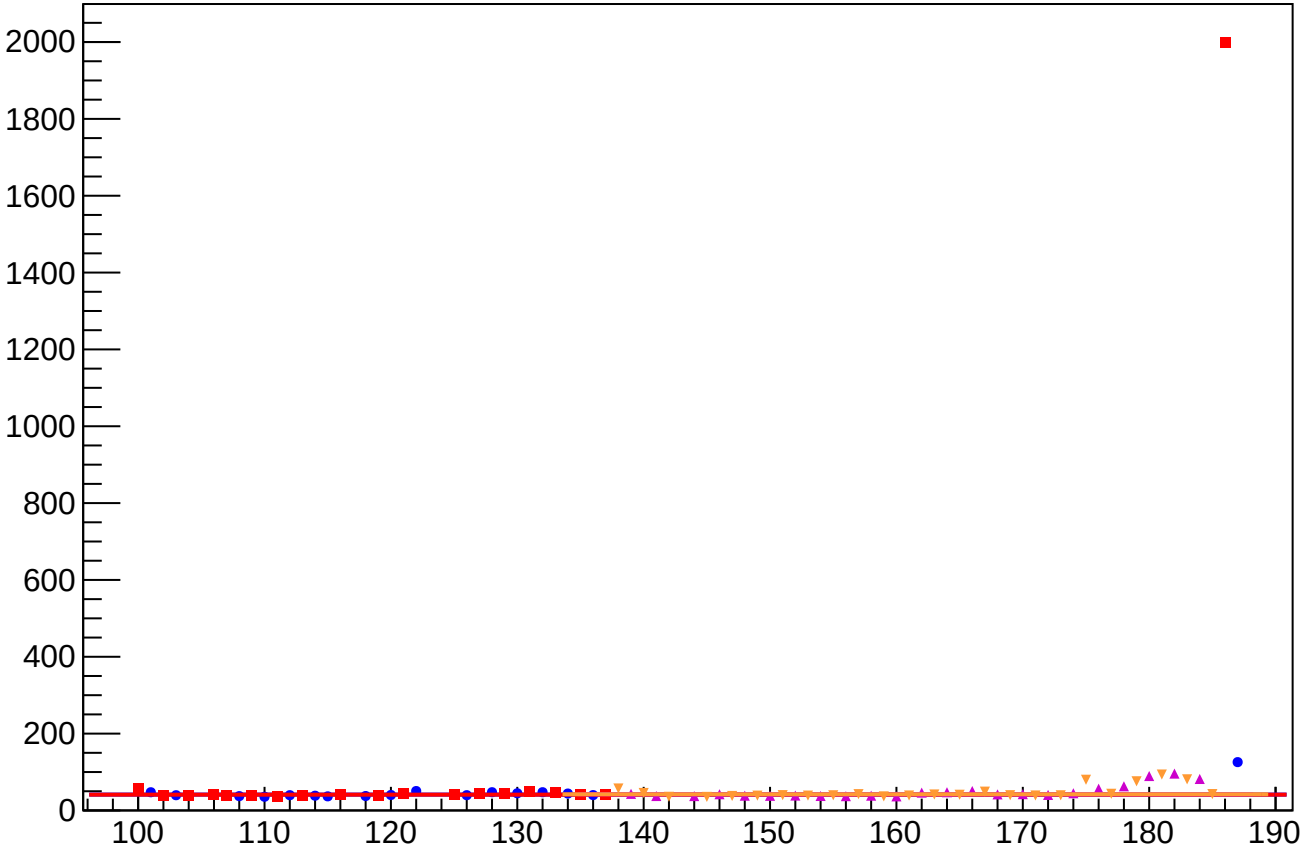
Right: 0.010+/-0.011 χ^2/NDF: 28.8/35

In: -0.001+/-0.009 χ^2/NDF:49.9/39

Out: 0.004+/-0.009 χ^2/NDF:31.6/42

All: 0.001+/-0.006 χ^2/NDF: 81.6/82

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.287+/-0.011 χ^2/NDF: 166687.5/16

Left Out: 42.088+/-0.007 χ^2/NDF:1716037.6/23

Right Out: 41.103+/-0.011 χ^2/NDF: 877127.0/18

Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

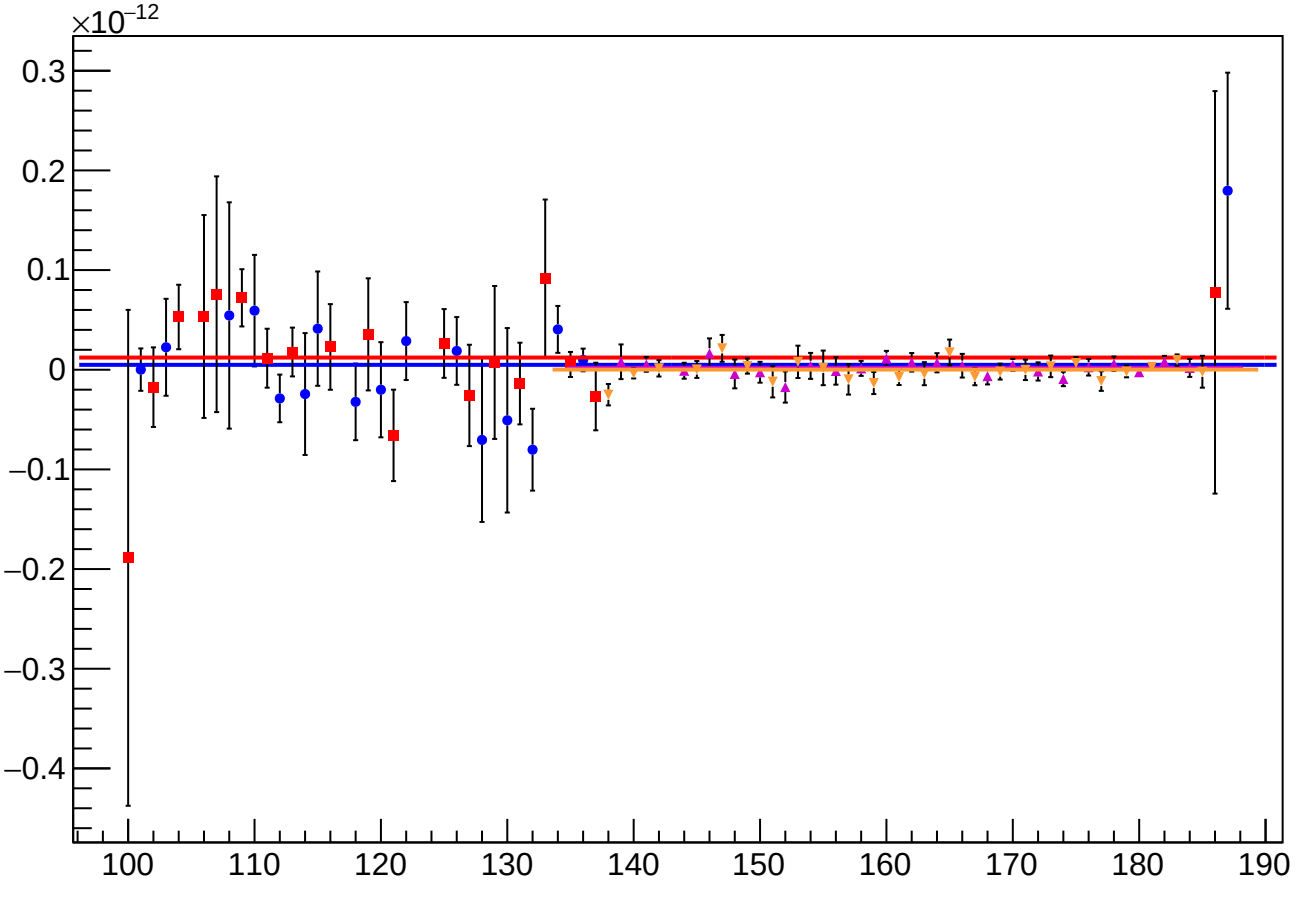
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.194+/-0.008 χ^2/NDF: 1043954.4/35

In: 41.837+/-0.006 χ^2/NDF:1713683.2/39

Out: 41.783+/-0.006 χ^2/NDF:2598739.6/42

All: 41.810+/-0.004 χ^2/NDF: 4312462.7/82



Right In: 0.000+/-0.000 χ^2/NDF: 15.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/22

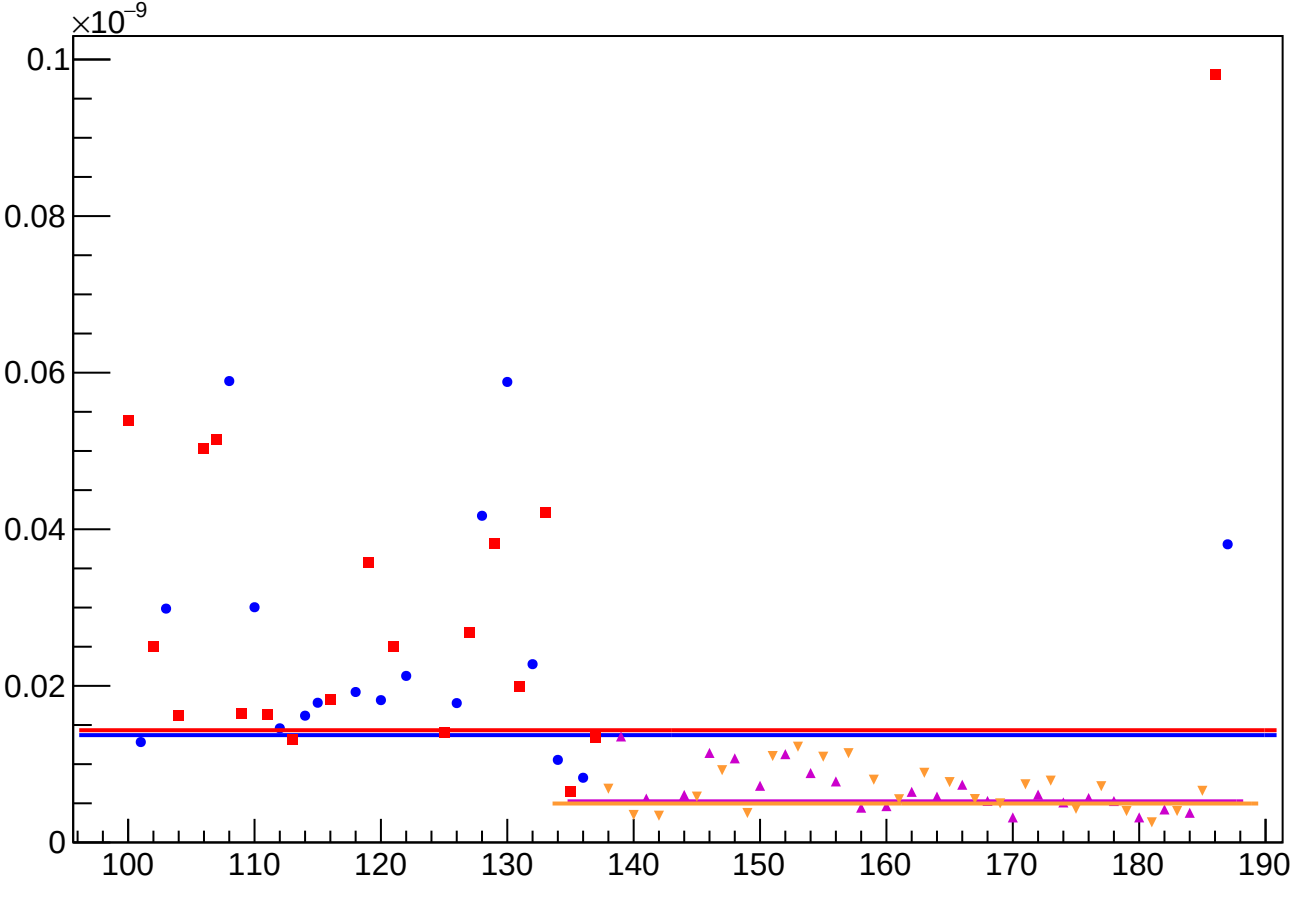
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 30.9/35

In: 0.000+/-0.000 χ^2/NDF:27.7/39

Out: 0.000+/-0.000 χ^2/NDF:38.1/42

All: 0.000+/-0.000 χ^2/NDF: 66.2/82



Right In: 0.000+/-0.000 χ^2/NDF: 2273631.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3536964.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2816114.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6182698.7/46

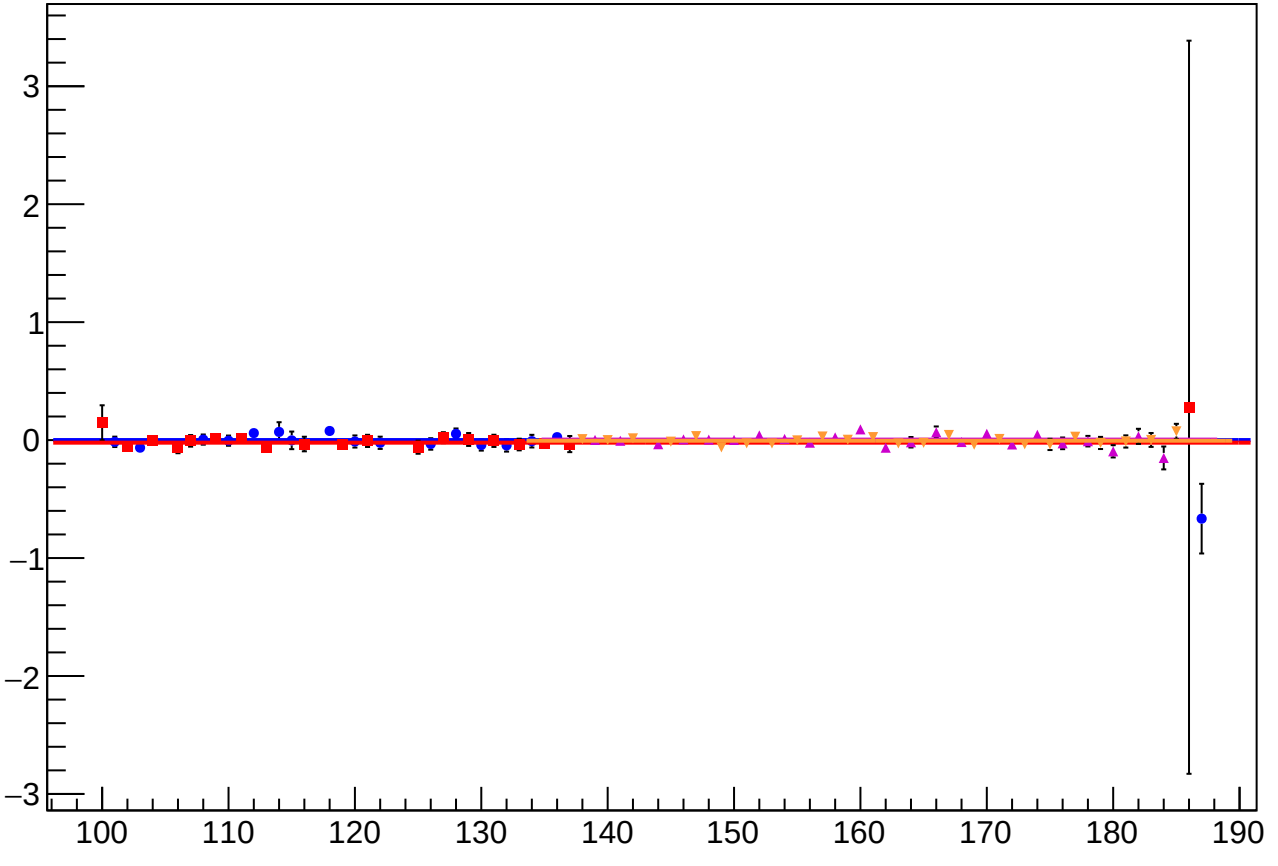
Right: 0.000+/-0.000 χ^2/NDF: 5096610.0/35

In: 0.000+/-0.000 χ^2/NDF:7391415.0/39

Out: 0.000+/-0.000 χ^2/NDF:9119380.7/42

All: 0.000+/-0.000 χ^2/NDF: 16546015.0/82

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.011 χ^2/NDF: 20.4/16

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: -0.022+/-0.011 χ^2/NDF: 9.0/18

Left In: 0.004+/-0.007 χ^2/NDF:31.2/22

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

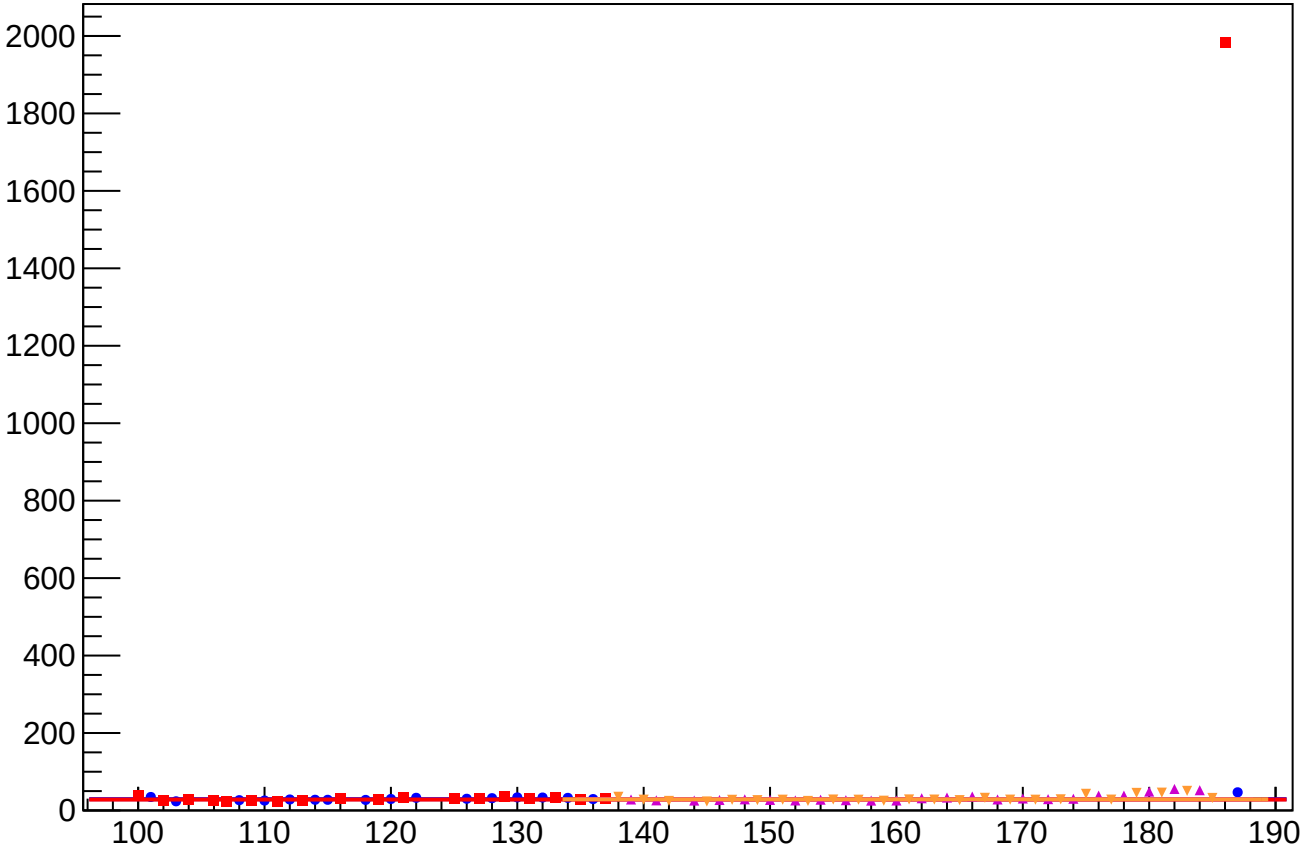
Right: -0.011+/-0.008 χ^2/NDF: 31.4/35

In: 0.003+/-0.006 χ^2/NDF:51.7/39

Out: -0.010+/-0.006 χ^2/NDF:27.4/42

All: -0.004+/-0.004 χ^2/NDF: 81.6/82

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.171+/-0.008 χ^2/NDF: 184103.0/16

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

Right Out: 28.164+/-0.008 χ^2/NDF: 977870.5/18

Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

Left: 29.014+/-0.004 χ^2/NDF: 2315363.1/46

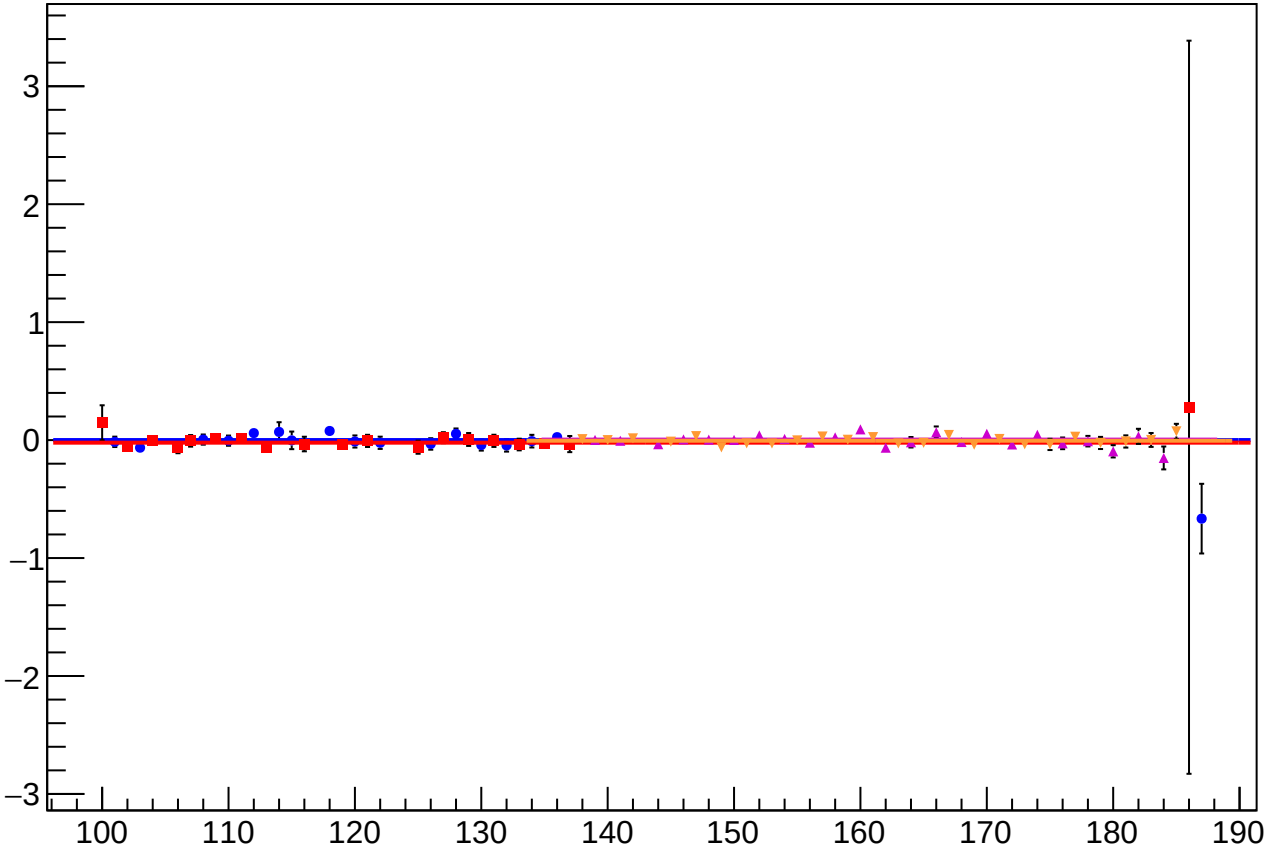
Right: 28.648+/-0.005 χ^2/NDF: 1170373.0/35

In: 29.230+/-0.004 χ^2/NDF:1324518.7/39

Out: 28.596+/-0.004 χ^2/NDF:2153072.9/42

All: 28.906+/-0.003 χ^2/NDF: 3488865.0/82

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.011 χ^2/NDF: 20.4/16

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: -0.022+/-0.011 χ^2/NDF: 9.0/18

Left In: 0.004+/-0.007 χ^2/NDF:31.2/22

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

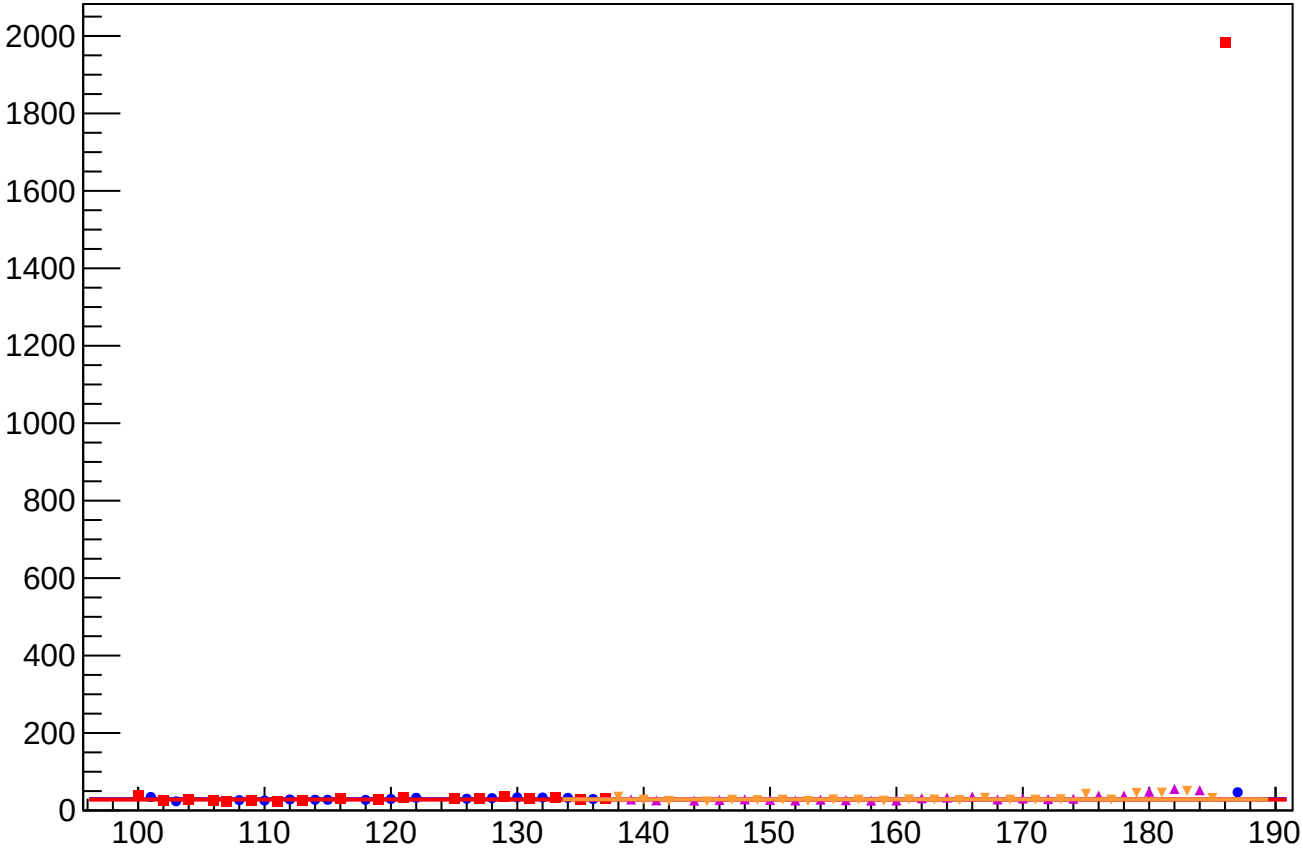
Right: -0.011+/-0.008 χ^2/NDF: 31.4/35

In: 0.003+/-0.006 χ^2/NDF:51.7/39

Out: -0.010+/-0.006 χ^2/NDF:27.4/42

All: -0.004+/-0.004 χ^2/NDF: 81.6/82

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.171+/-0.008 χ^2/NDF: 184103.0/16

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

Right Out: 28.164+/-0.008 χ^2/NDF: 977870.5/18

Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

Left: 29.014+/-0.004 χ^2/NDF: 2315363.1/46

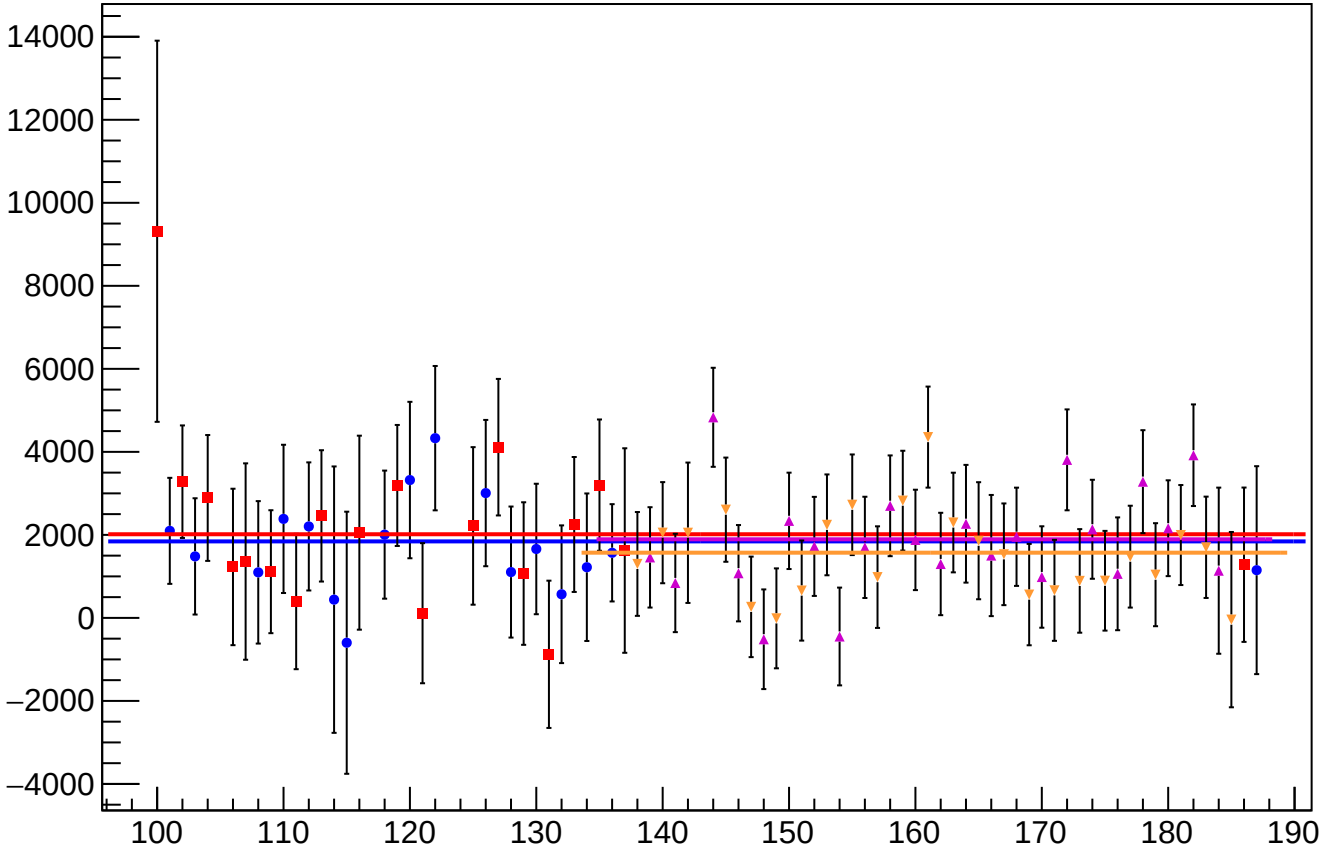
Right: 28.648+/-0.005 χ^2/NDF: 1170373.0/35

In: 29.230+/-0.004 χ^2/NDF:1324518.7/39

Out: 28.596+/-0.004 χ^2/NDF:2153072.9/42

All: 28.906+/-0.003 χ^2/NDF: 3488865.0/82

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: 2015.264+/-399.679 χ^2/NDF: 12.7/18

Left In: 1893.347+/-258.339 χ^2/NDF:24.1/22

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

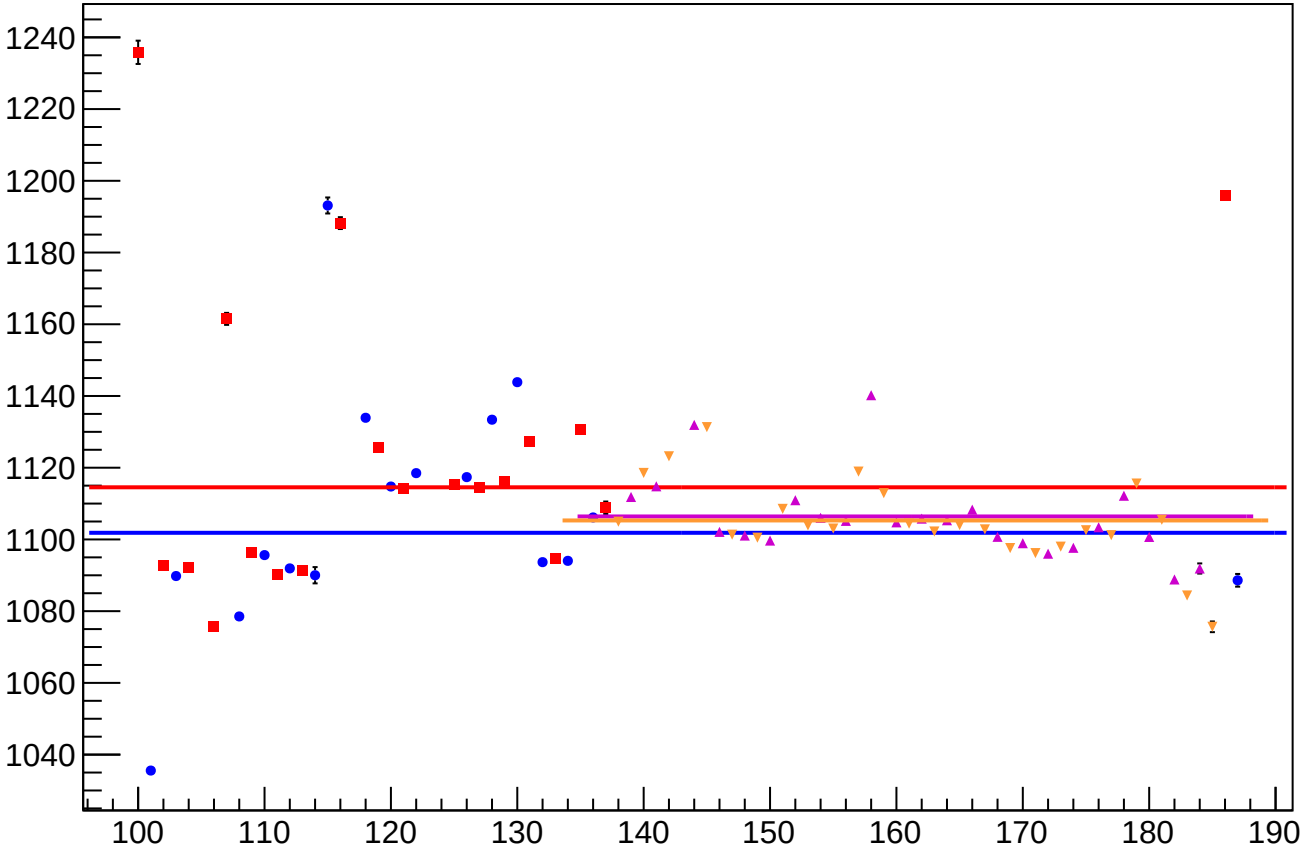
Right: 1930.092+/-284.186 χ^2/NDF: 18.2/35

In: 1878.743+/-217.670 χ^2/NDF:29.5/39

Out: 1700.664+/-215.891 χ^2/NDF:28.9/42

All: 1788.973+/-153.283 χ^2/NDF: 58.8/82

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1114.536+/-0.283 χ^2/NDF: 11716.2/18

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

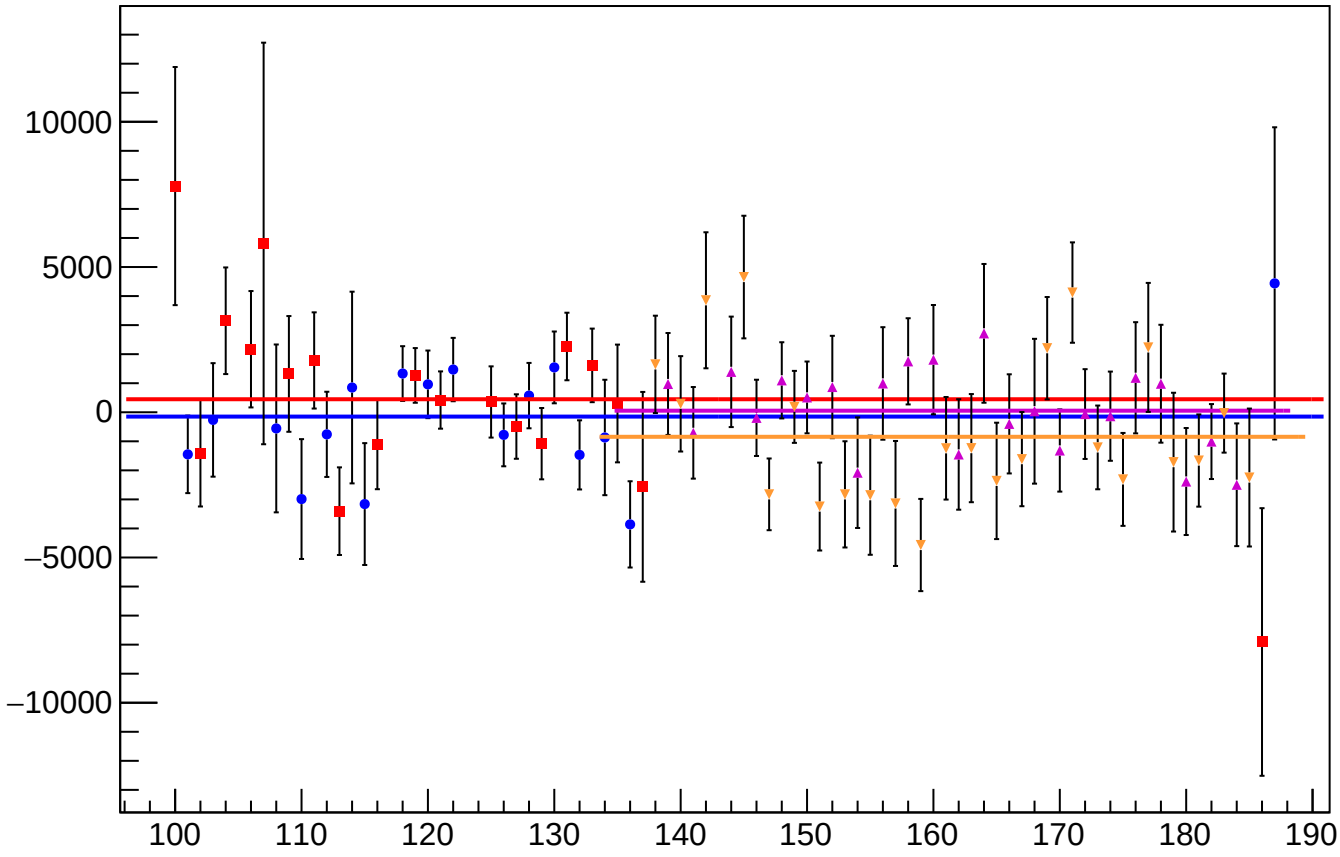
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1108.264+/-0.201 χ^2/NDF: 24118.7/35

In: 1105.084+/-0.154 χ^2/NDF:15363.1/39

Out: 1107.991+/-0.153 χ^2/NDF:15635.4/42

All: 1106.549+/-0.108 χ^2/NDF: 31178.2/82



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: 448.284+/-344.090 χ^2/NDF: 26.6/18

Left In: 54.347+/-345.962 χ^2/NDF:13.0/22

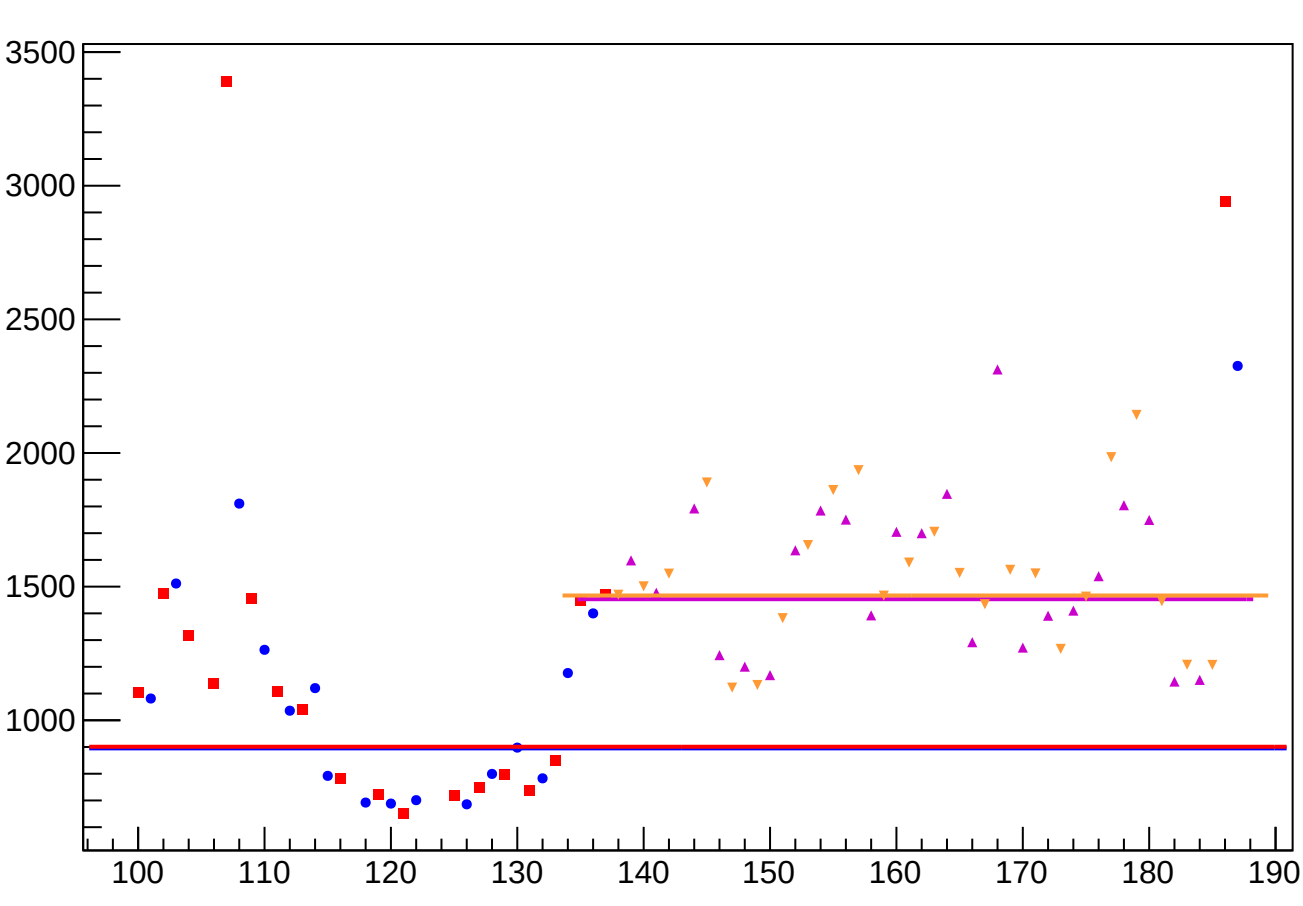
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 150.228+/-243.534 χ^2/NDF: 49.8/35

In: -47.658+/-244.195 χ^2/NDF:35.0/39

Out: -192.094+/-244.452 χ^2/NDF:77.7/42

All: -119.800+/-172.763 χ^2/NDF: 112.9/82



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 900.915+/-0.243 χ^2/NDF: 1739558.3/18

Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

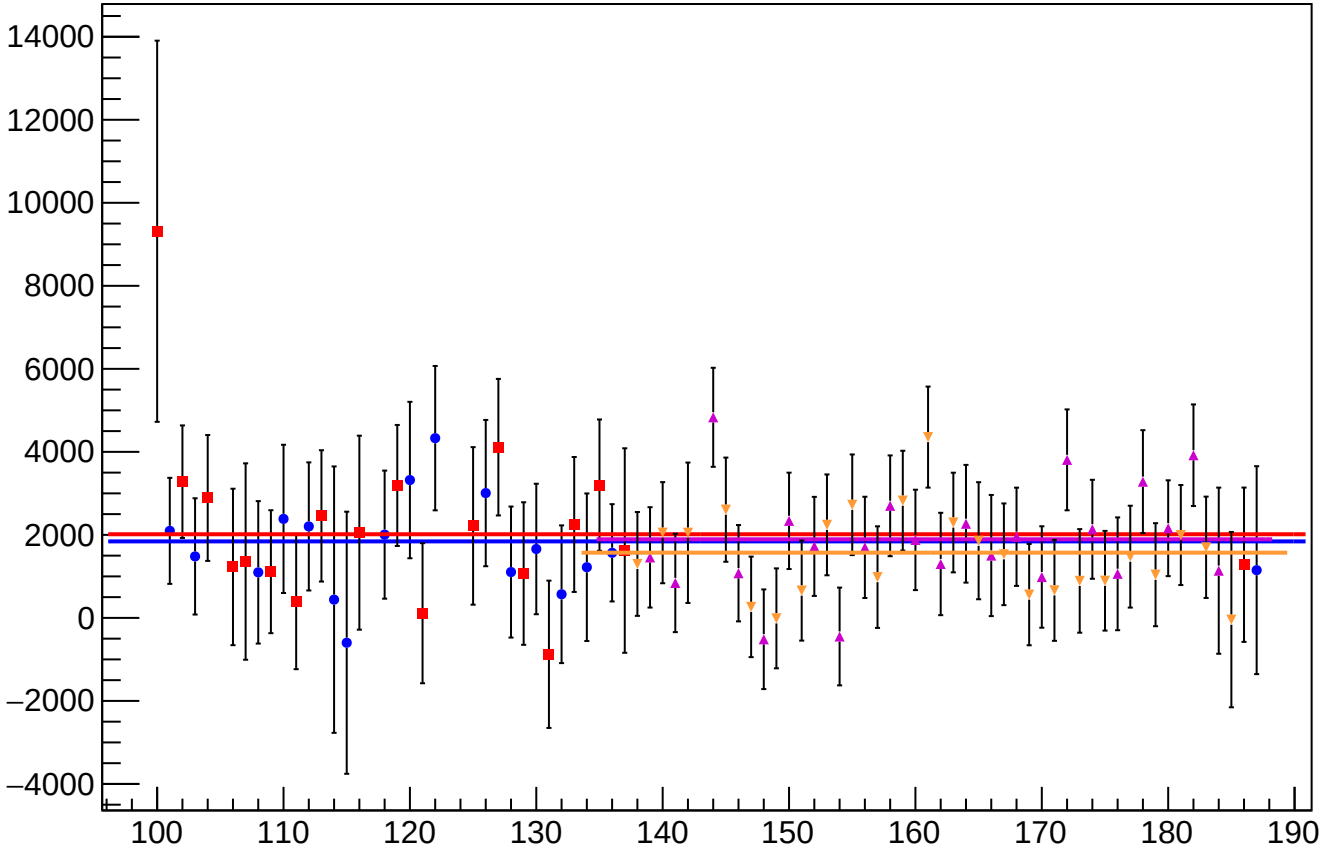
Right: 897.898+/-0.172 χ^2/NDF: 3015030.5/35

In: 1172.930+/-0.173 χ^2/NDF:5016502.7/39

Out: 1181.215+/-0.173 χ^2/NDF:5462478.6/42

All: 1177.068+/-0.122 χ^2/NDF: 10480131.3/8

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: 2015.264+/-399.679 χ^2/NDF: 12.7/18

Left In: 1893.347+/-258.339 χ^2/NDF:24.1/22

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

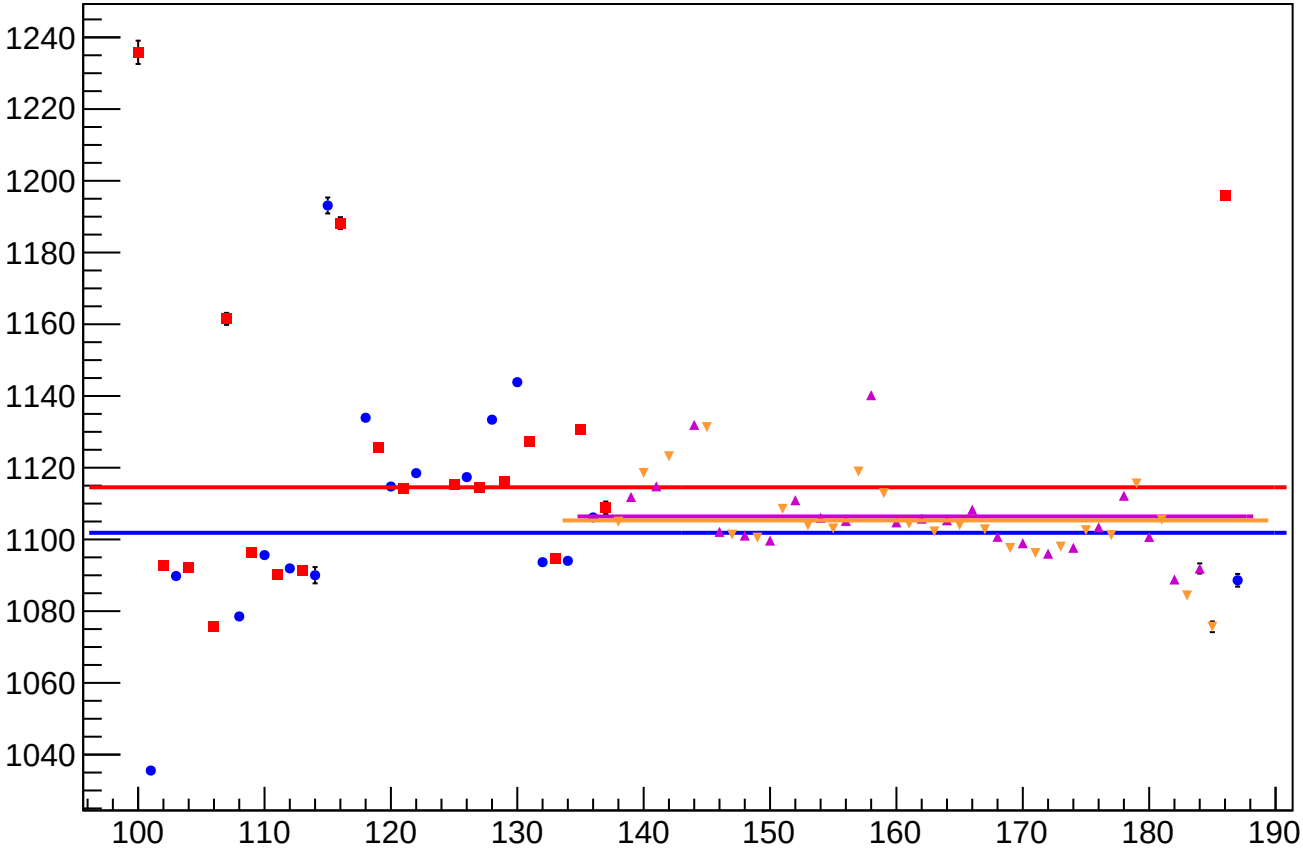
Right: 1930.092+/-284.186 χ^2/NDF: 18.2/35

In: 1878.743+/-217.670 χ^2/NDF:29.5/39

Out: 1700.664+/-215.891 χ^2/NDF:28.9/42

All: 1788.973+/-153.283 χ^2/NDF: 58.8/82

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1114.536+/-0.283 χ^2/NDF: 11716.2/18

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

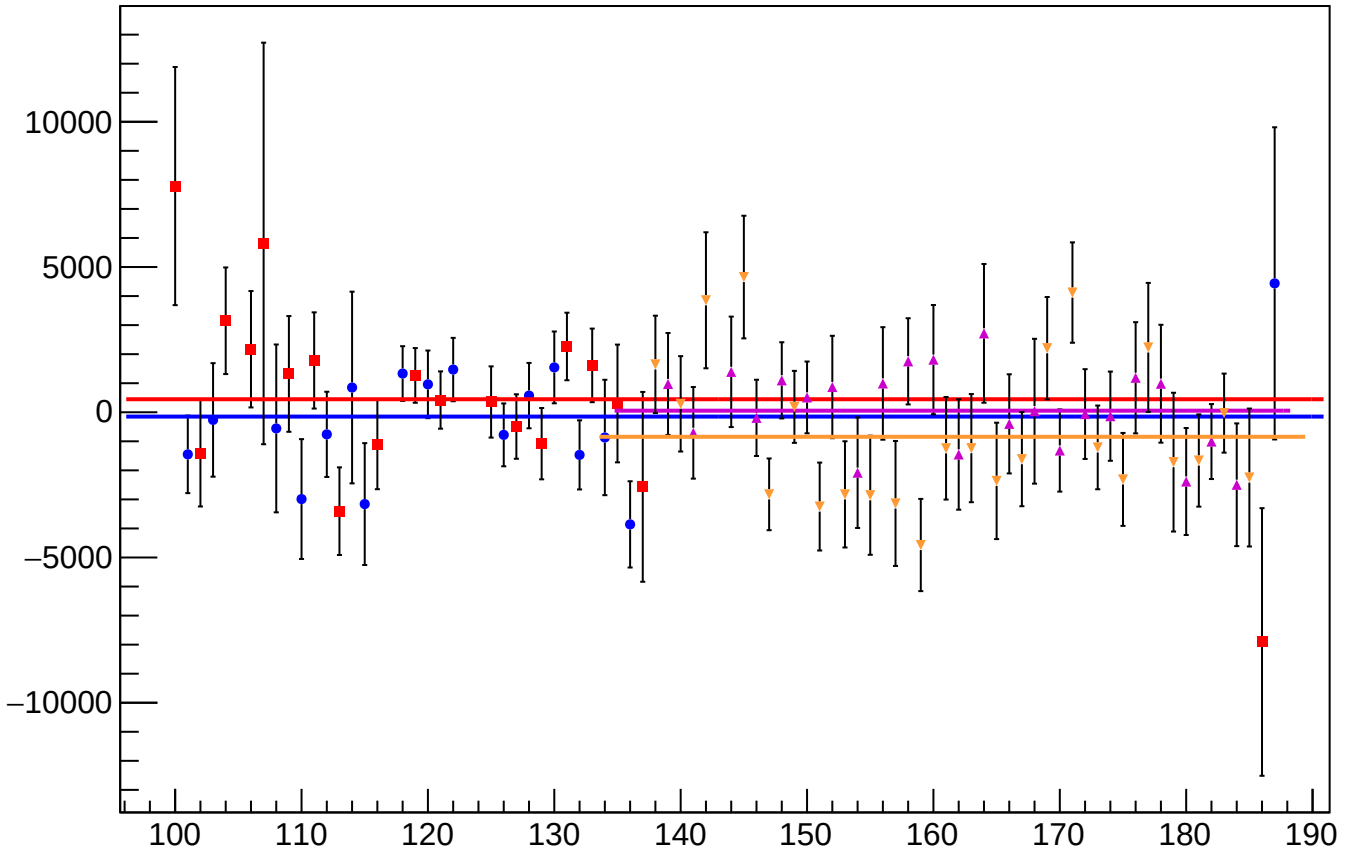
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1108.264+/-0.201 χ^2/NDF: 24118.7/35

In: 1105.084+/-0.154 χ^2/NDF:15363.1/39

Out: 1107.991+/-0.153 χ^2/NDF:15635.4/42

All: 1106.549+/-0.108 χ^2/NDF: 31178.2/82



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: 448.284+/-344.090 χ^2/NDF: 26.6/18

Left In: 54.347+/-345.962 χ^2/NDF:13.0/22

Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

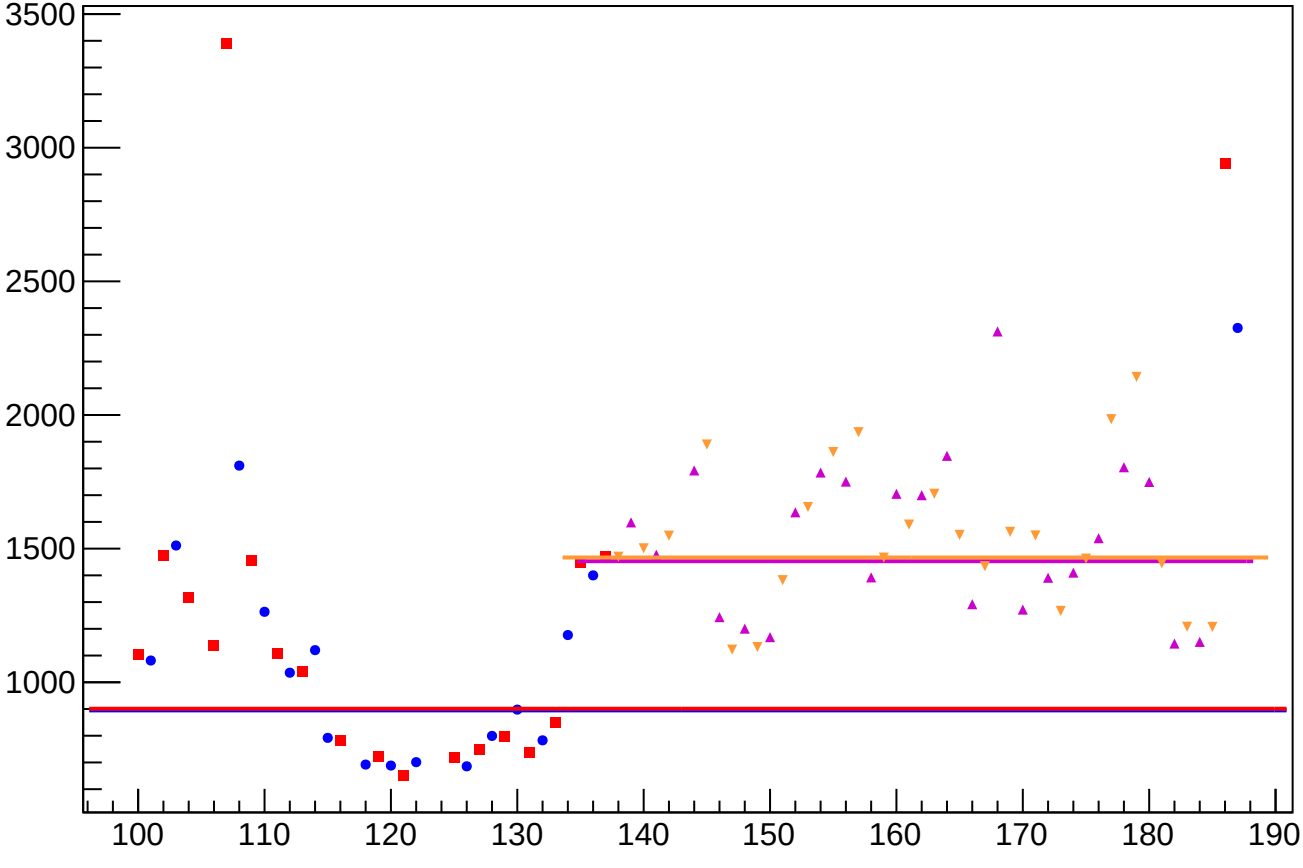
Right: 150.228+/-243.534 χ^2/NDF: 49.8/35

In: -47.658+/-244.195 χ^2/NDF:35.0/39

Out: -192.094+/-244.452 χ^2/NDF:77.7/42

All: -119.800+/-172.763 χ^2/NDF: 112.9/82

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 900.915+/-0.243 χ^2/NDF: 1739558.3/18

Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

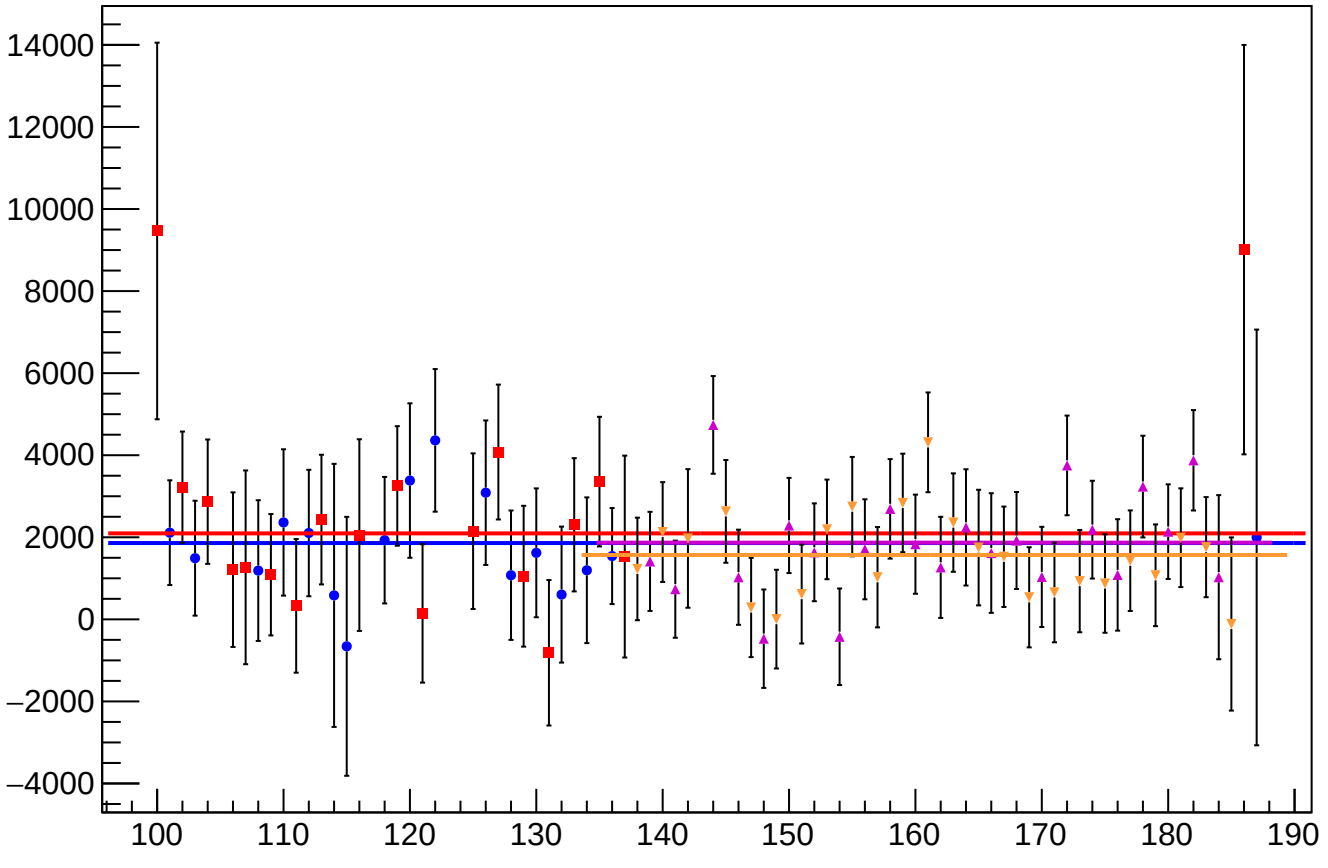
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 897.898+/-0.172 χ^2/NDF: 3015030.5/35

In: 1172.930+/-0.173 χ^2/NDF:5016502.7/39

Out: 1181.215+/-0.173 χ^2/NDF:5462478.6/42

All: 1177.068+/-0.122 χ^2/NDF: 10480131.3/8



Right In: 1859.573+/-407.842 χ^2/NDF: 5.4/16

Left Out: 1568.786+/-256.294 χ^2/NDF:15.4/23

Right Out: 2095.132+/-407.527 χ^2/NDF: 14.7/18

Left In: 1869.342+/-258.099 χ^2/NDF:23.4/22

Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

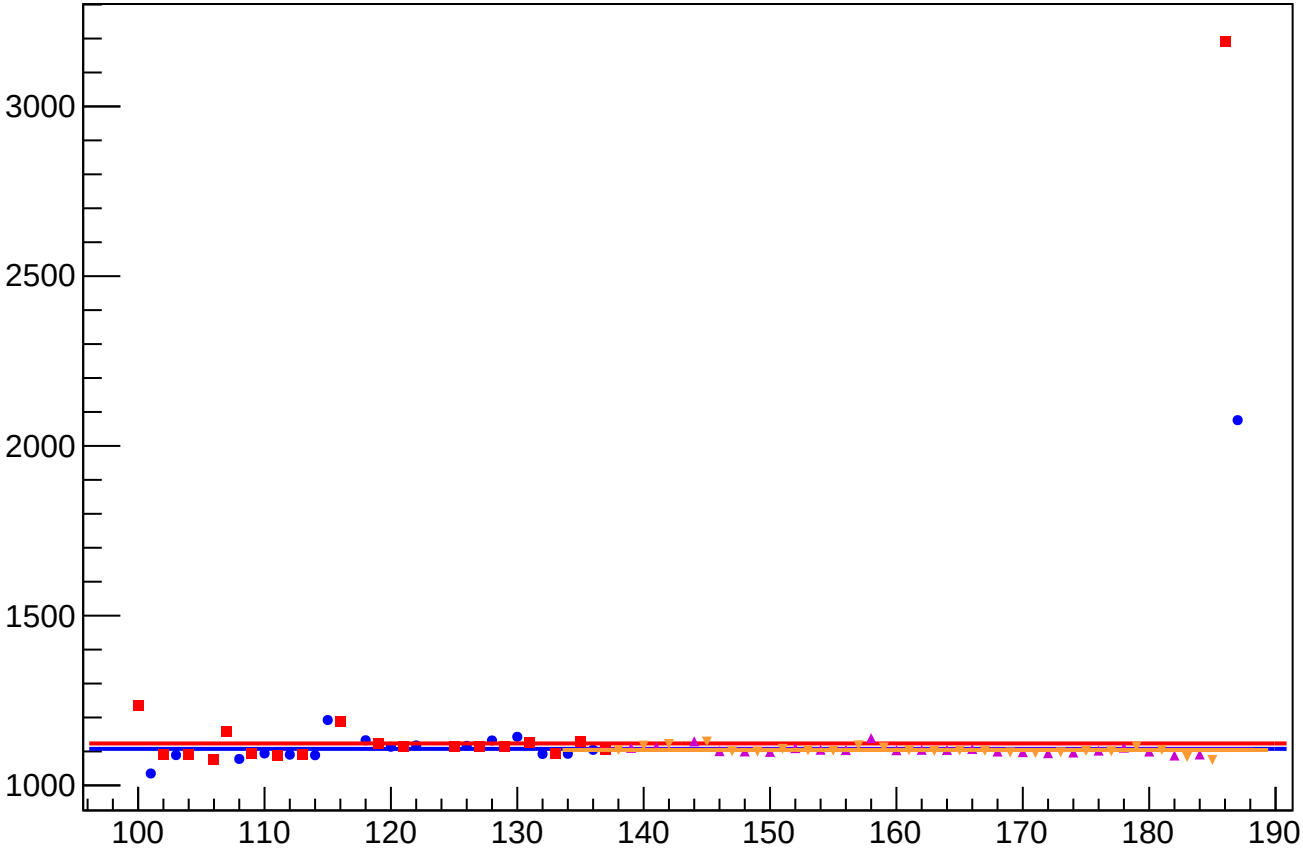
Right: 1977.443+/-288.276 χ^2/NDF: 20.3/35

In: 1866.549+/-218.096 χ^2/NDF:28.8/39

Out: 1717.962+/-216.956 χ^2/NDF:31.3/42

All: 1791.866+/-153.812 χ^2/NDF: 60.3/82

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1107.572+/-0.288 χ^2/NDF: 84862.0/16

Left Out: 1104.258+/-0.181 χ^2/NDF:2999.2/23

Right Out: 1123.513+/-0.288 χ^2/NDF: 353236.4/18

Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

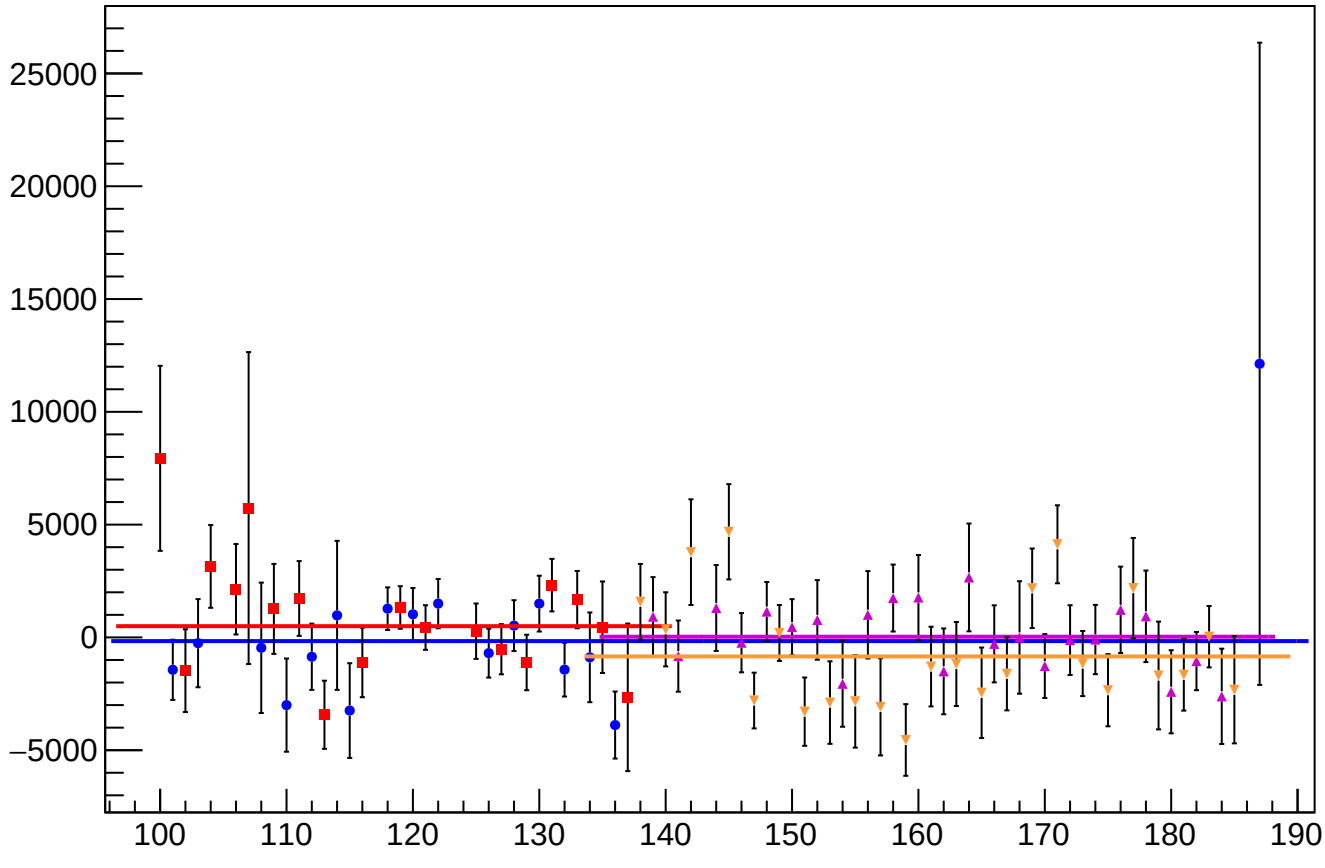
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1115.549+/-0.204 χ^2/NDF: 439627.4/35

In: 1106.007+/-0.154 χ^2/NDF:88564.3/39

Out: 1109.715+/-0.153 χ^2/NDF:359435.0/42

All: 1107.871+/-0.109 χ^2/NDF: 448289.9/82



Right In: -163.668+/-345.878 χ^2/NDF: 21.7/16

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

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

Left In: 31.387+/-346.155 χ^2/NDF:13.1/22

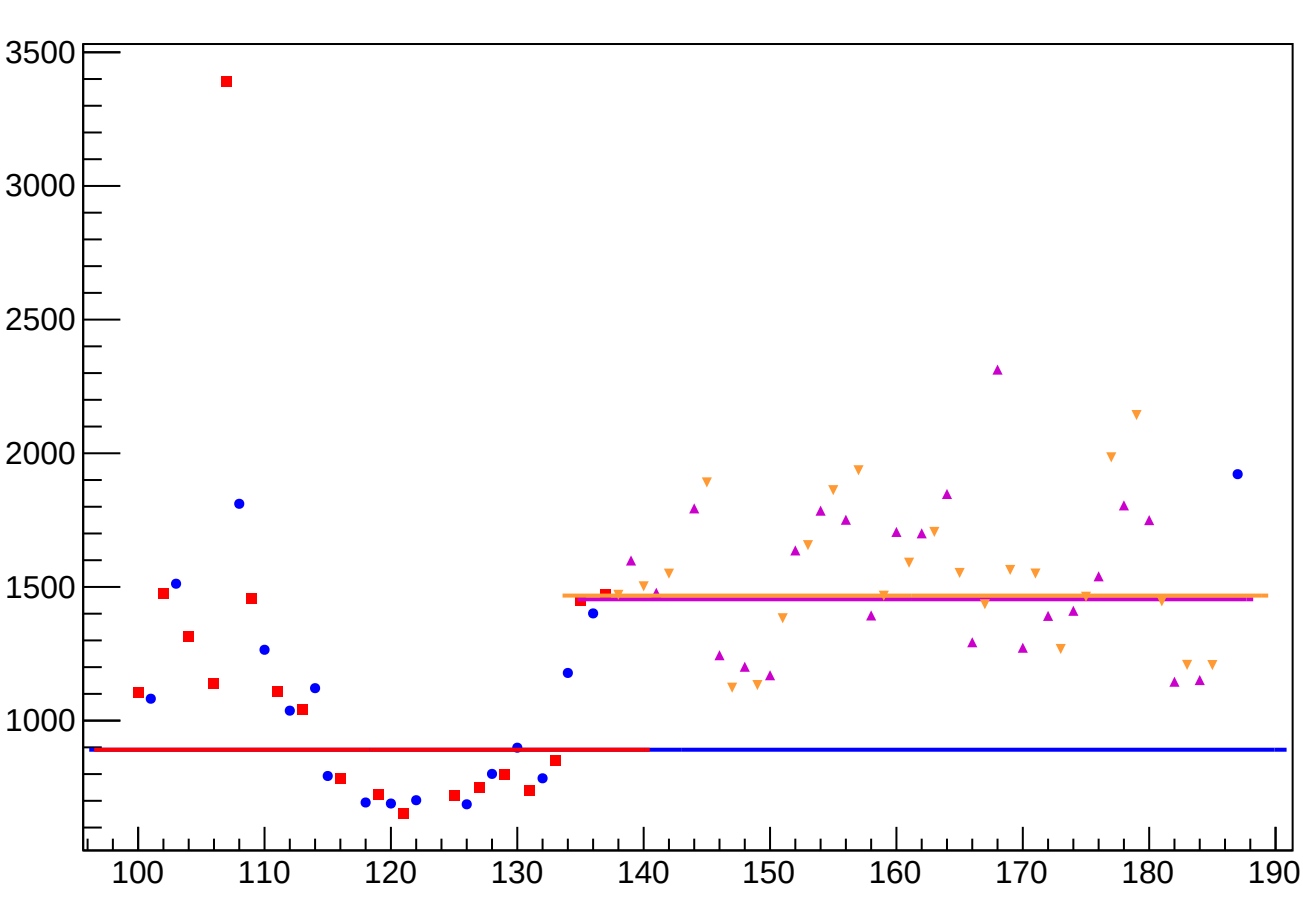
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: 167.444+/-244.462 χ^2/NDF: 47.4/34

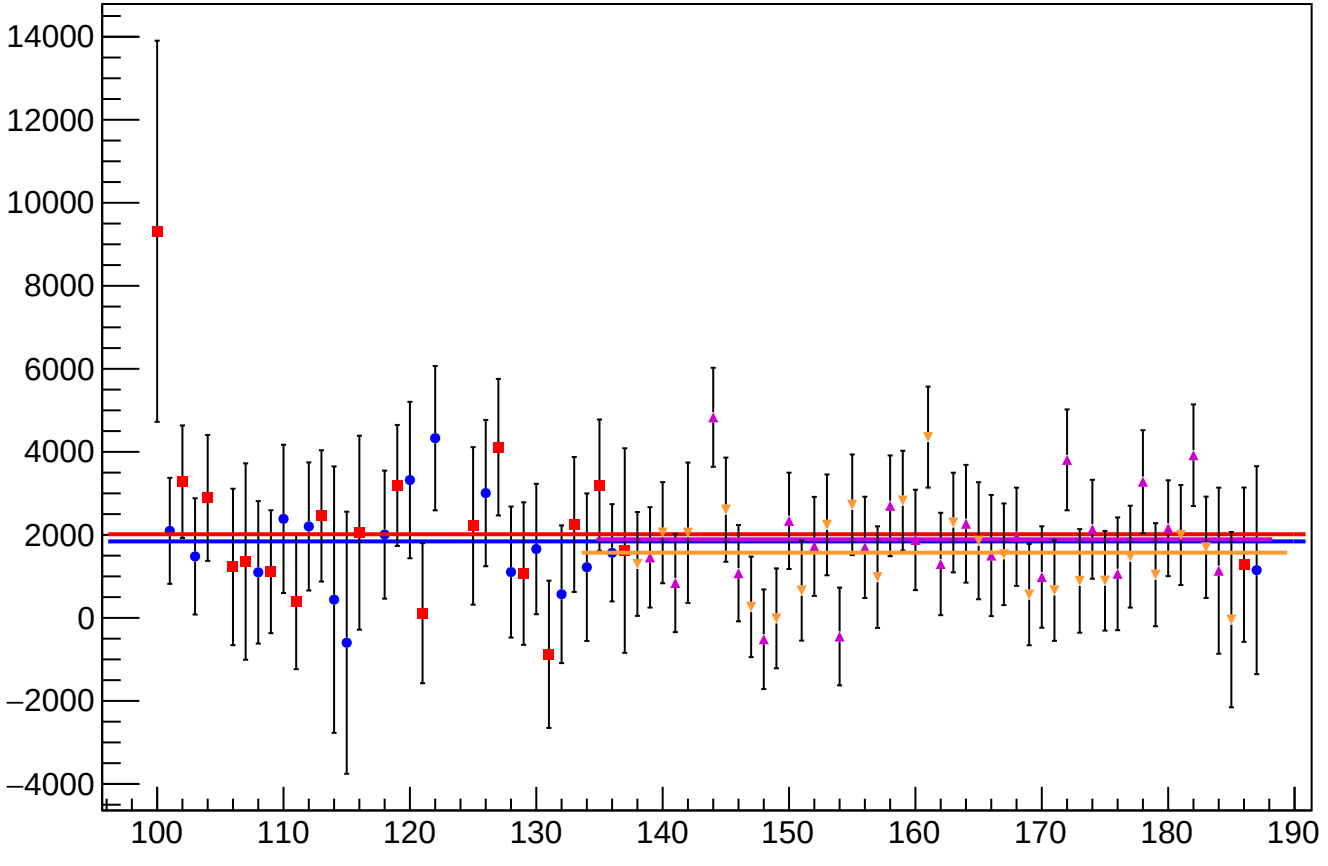
In: -66.218+/-244.671 χ^2/NDF:34.9/39

Out: -168.844+/-245.046 χ^2/NDF:75.5/41

All: -117.452+/-173.141 χ^2/NDF: 110.4/81


asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
190
Right In: 891.103+/-0.245 χ²/NDF: 1139231.6/16
Left Out: 1467.697+/-0.246 χ²/NDF:1041877.5/23
Right Out: 890.938+/-0.244 χ²/NDF: 1341804.2/17
Left In: 1453.834+/-0.245 χ²/NDF:1127997.5/22
Left: 1460.738+/-0.173 χ²/NDF: 2171472.5/46
Right: 891.021+/-0.173 χ²/NDF: 2481036.0/34
In: 1172.243+/-0.173 χ²/NDF:4912113.5/39
Out: 1177.676+/-0.173 χ²/NDF:5153483.4/41
All: 1174.956+/-0.122 χ²/NDF: 10066089.1/8

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: 2015.264+/-399.679 χ^2/NDF: 12.7/18

Left In: 1893.347+/-258.339 χ^2/NDF:24.1/22

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

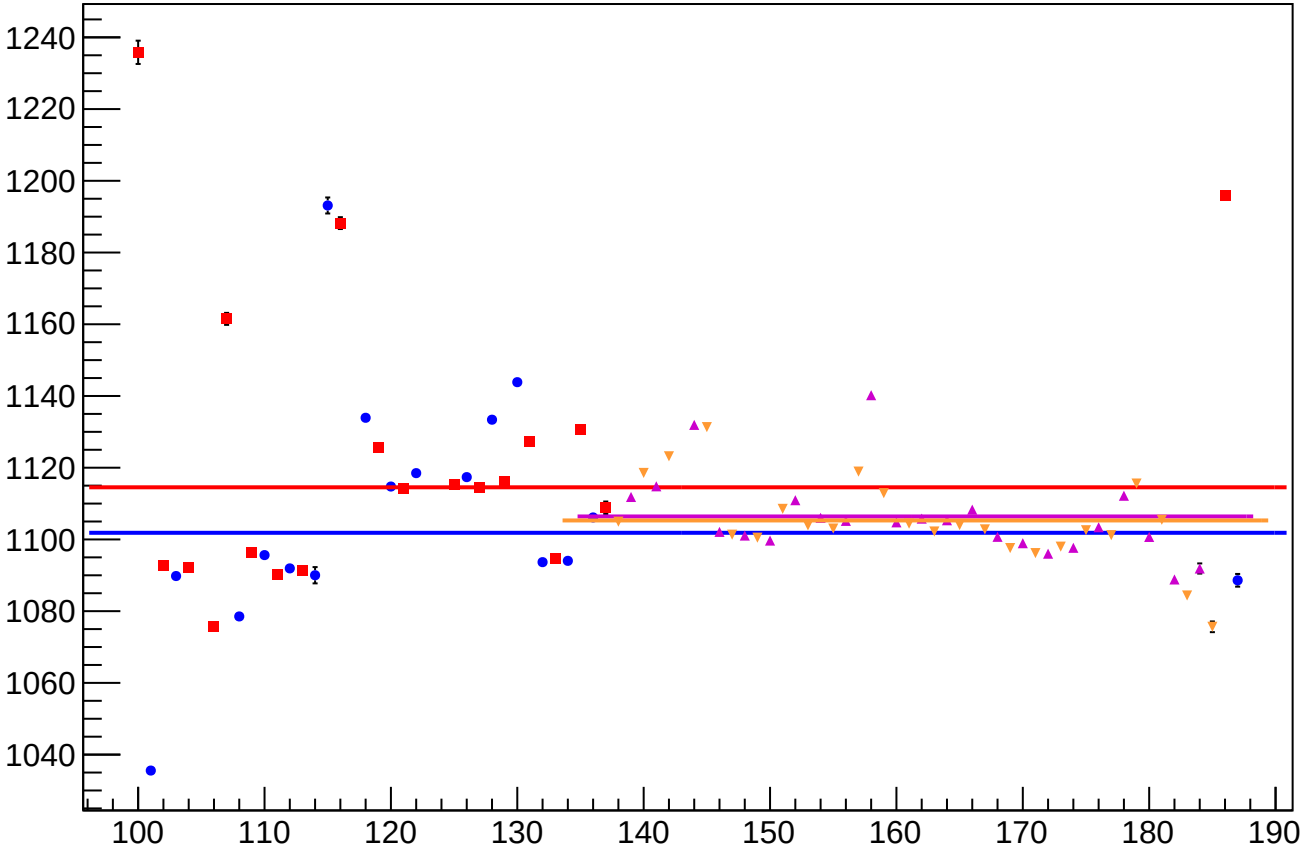
Right: 1930.092+/-284.186 χ^2/NDF: 18.2/35

In: 1878.743+/-217.670 χ^2/NDF:29.5/39

Out: 1700.664+/-215.891 χ^2/NDF:28.9/42

All: 1788.973+/-153.283 χ^2/NDF: 58.8/82

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1114.536+/-0.283 χ^2/NDF: 11716.2/18

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

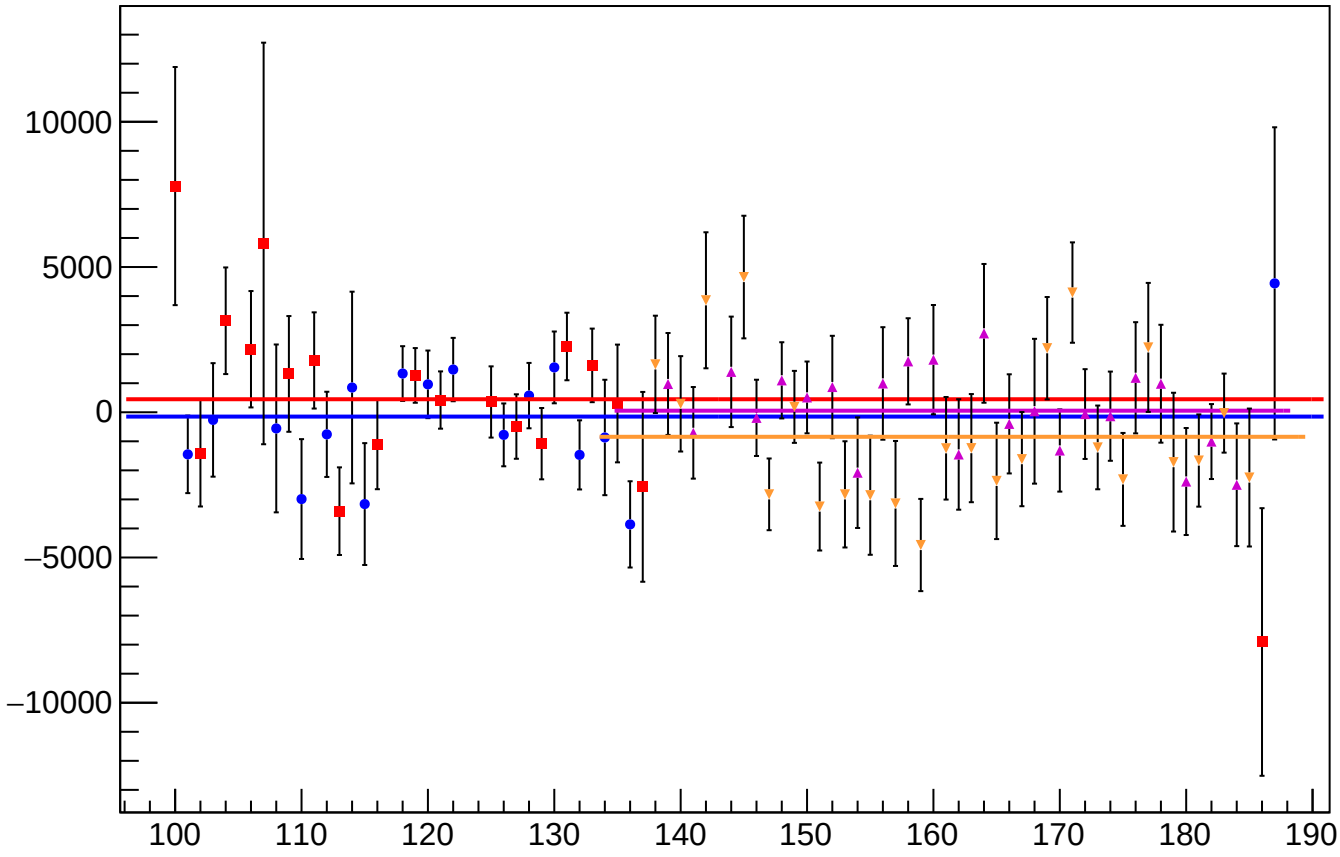
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1108.264+/-0.201 χ^2/NDF: 24118.7/35

In: 1105.084+/-0.154 χ^2/NDF:15363.1/39

Out: 1107.991+/-0.153 χ^2/NDF:15635.4/42

All: 1106.549+/-0.108 χ^2/NDF: 31178.2/82



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: 448.284+/-344.090 χ^2/NDF: 26.6/18

Left In: 54.347+/-345.962 χ^2/NDF:13.0/22

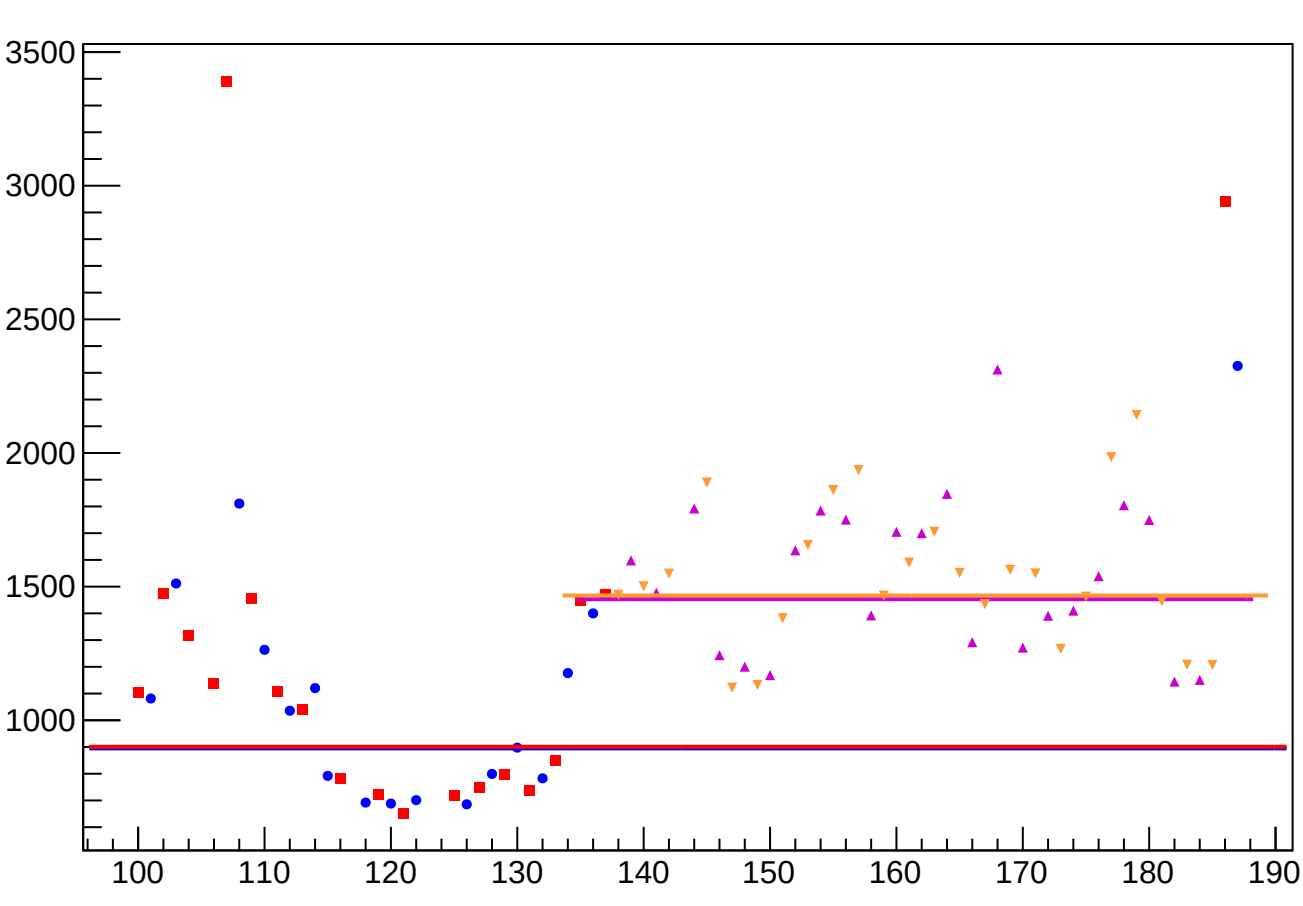
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 150.228+/-243.534 χ^2/NDF: 49.8/35

In: -47.658+/-244.195 χ^2/NDF:35.0/39

Out: -192.094+/-244.452 χ^2/NDF:77.7/42

All: -119.800+/-172.763 χ^2/NDF: 112.9/82



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 900.915+/-0.243 χ^2/NDF: 1739558.3/18

Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

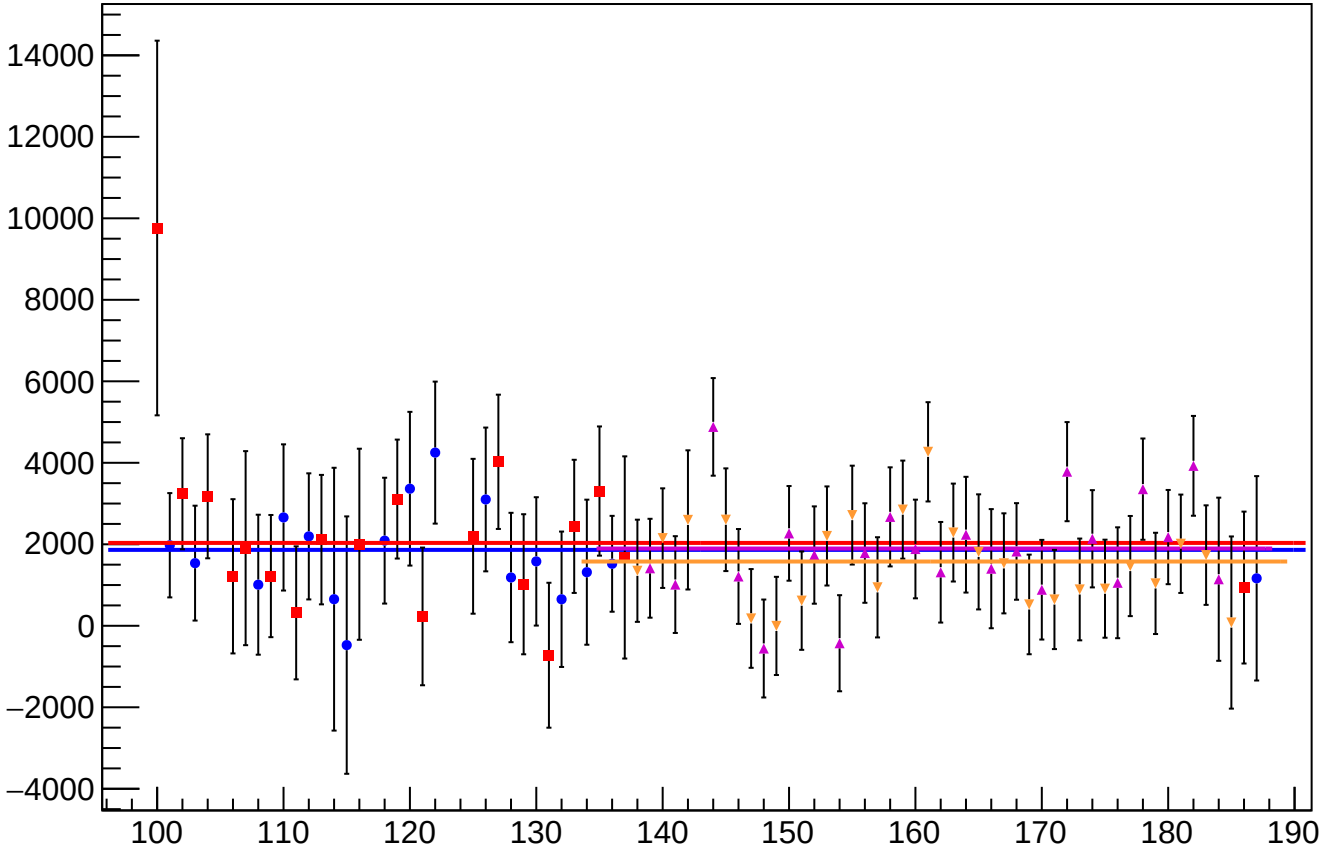
Right: 897.898+/-0.172 χ^2/NDF: 3015030.5/35

In: 1172.930+/-0.173 χ^2/NDF:5016502.7/39

Out: 1181.215+/-0.173 χ^2/NDF:5462478.6/42

All: 1177.068+/-0.122 χ^2/NDF: 10480131.3/8

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1862.810+/-405.302 χ^2/NDF: 5.3/16

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2033.675+/-401.158 χ^2/NDF: 12.7/18

Left In: 1895.548+/-258.750 χ^2/NDF:24.1/22

Left: 1735.397+/-182.343 χ^2/NDF: 40.4/46

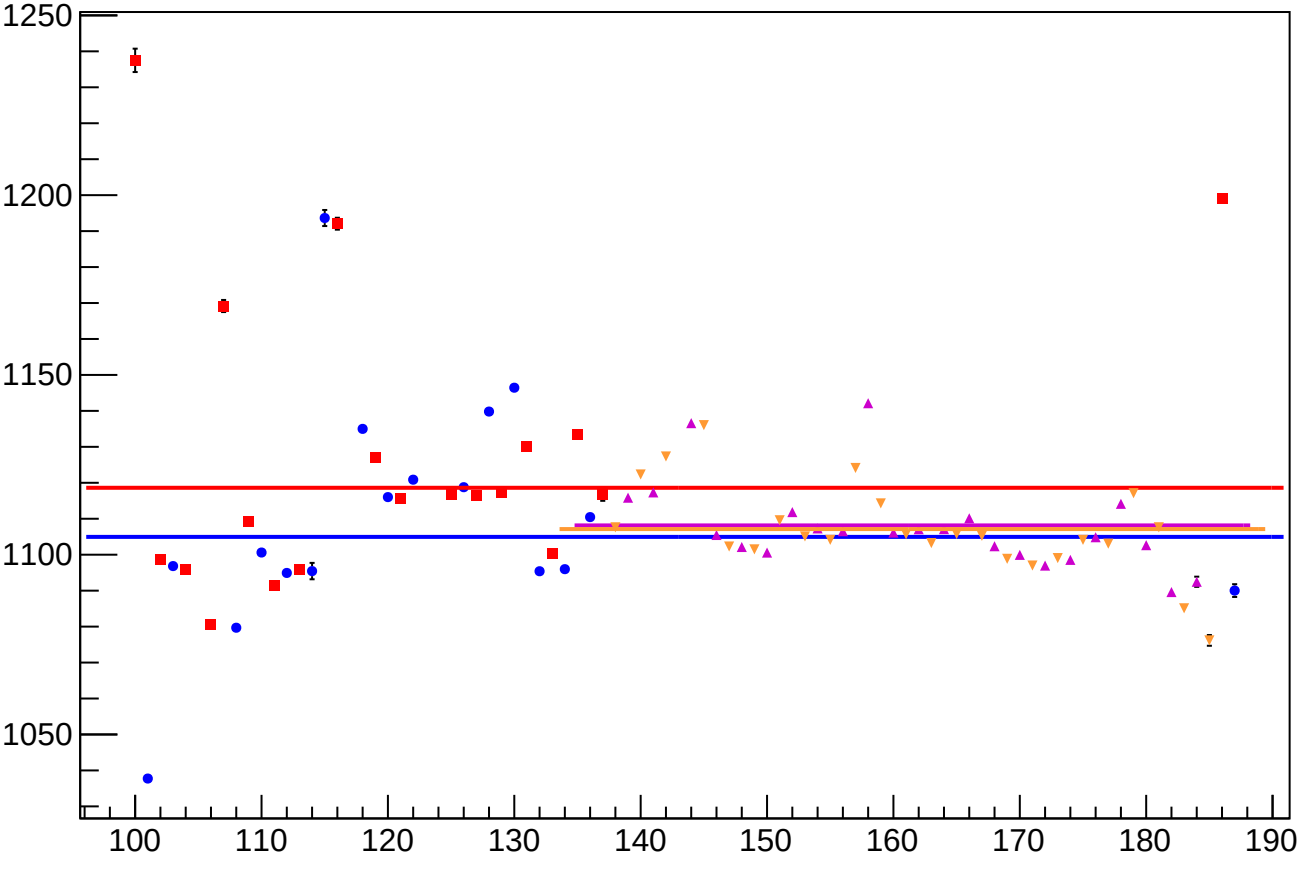
Right: 1949.121+/-285.115 χ^2/NDF: 18.1/35

In: 1886.068+/-218.095 χ^2/NDF:29.4/39

Out: 1710.177+/-216.402 χ^2/NDF:29.2/42

All: 1797.438+/-153.614 χ^2/NDF: 58.9/82

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1104.955+/-0.287 χ^2/NDF: 11403.7/16

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1118.612+/-0.284 χ^2/NDF: 11236.2/18

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

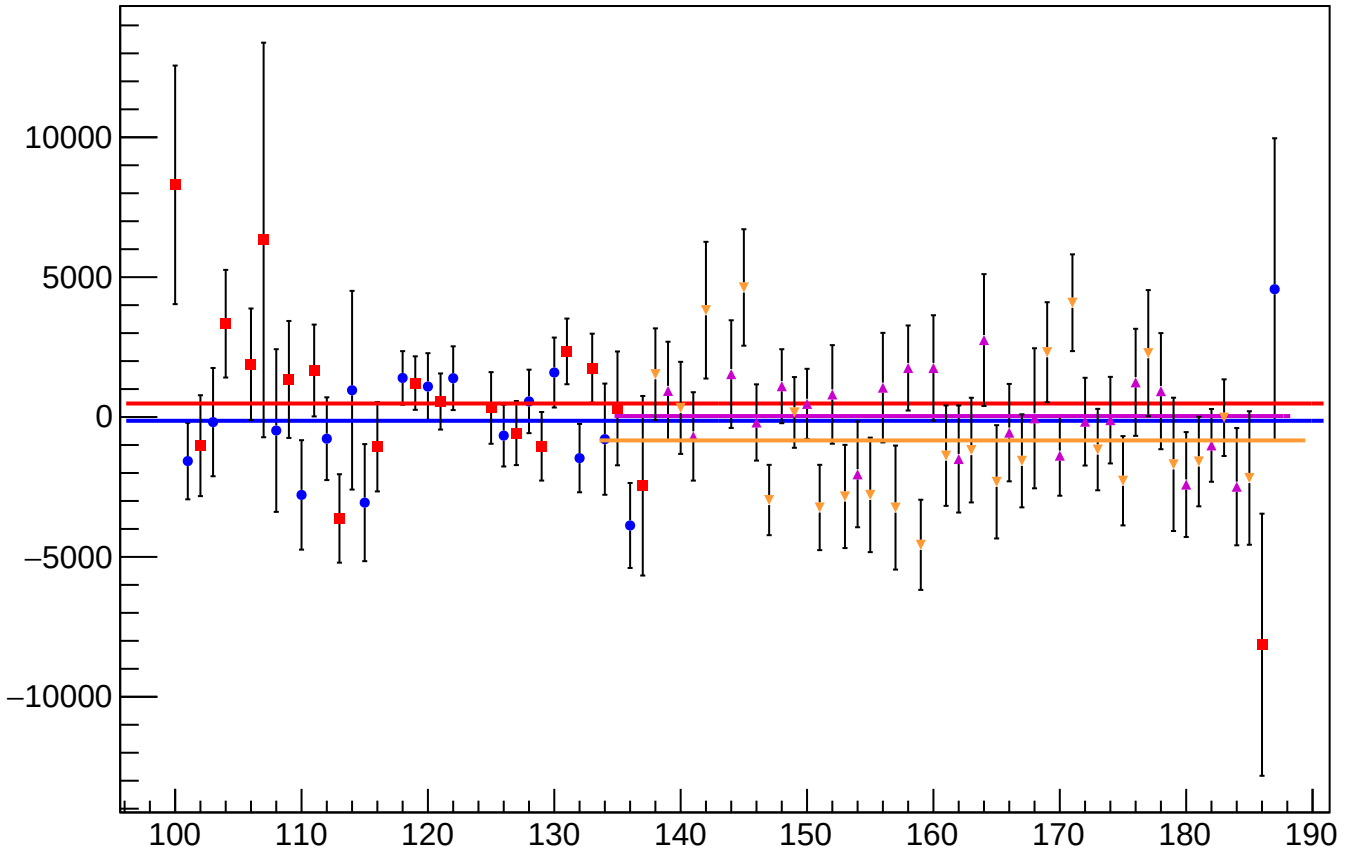
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1111.854+/-0.202 χ^2/NDF: 23787.1/35

In: 1107.221+/-0.154 χ^2/NDF:15682.3/39

Out: 1110.469+/-0.153 χ^2/NDF:16182.3/42

All: 1108.858+/-0.109 χ^2/NDF: 32088.1/82



Right In: -134.050+/-350.575 χ^2/NDF: 21.2/16

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 483.919+/-349.431 χ^2/NDF: 26.6/18

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

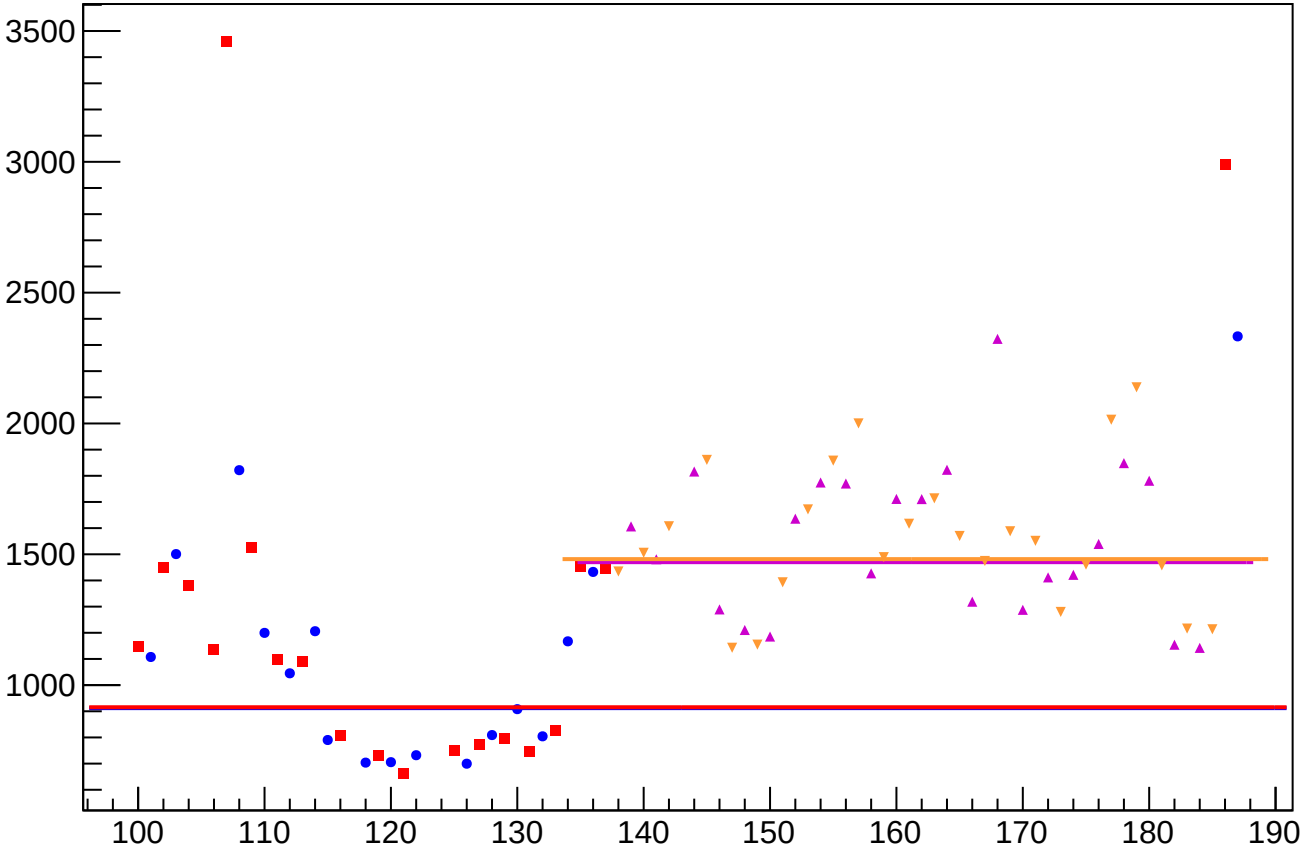
Right: 175.944+/-247.489 χ^2/NDF: 49.4/35

In: -49.039+/-247.561 χ^2/NDF:34.5/39

Out: -173.453+/-247.503 χ^2/NDF:77.3/42

All: -111.261+/-175.032 χ^2/NDF: 111.9/82

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 912.061+/-0.248 χ^2/NDF: 1218741.9/16

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 915.359+/-0.247 χ^2/NDF: 1734365.3/18

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

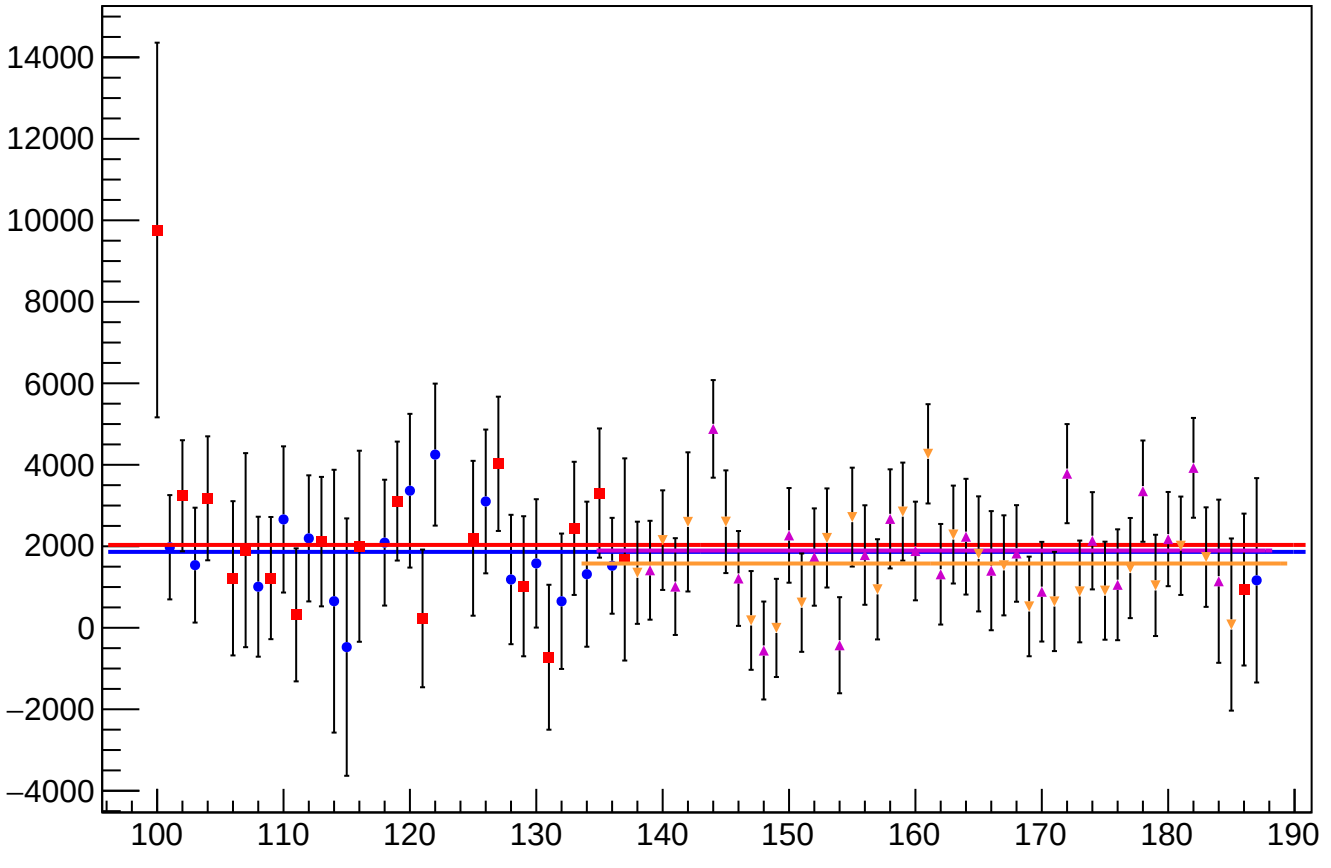
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 913.715+/-0.175 χ^2/NDF: 2953195.9/35

In: 1191.732+/-0.175 χ^2/NDF:4852607.2/39

Out: 1197.493+/-0.175 χ^2/NDF:5368336.4/42

All: 1194.613+/-0.124 χ^2/NDF: 10221485.3/8



Right In: 1862.810+/-405.302 χ^2/NDF: 5.3/16

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 2033.672+/-401.158 χ^2/NDF: 12.7/18

Left In: 1895.549+/-258.750 χ^2/NDF:24.1/22

Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

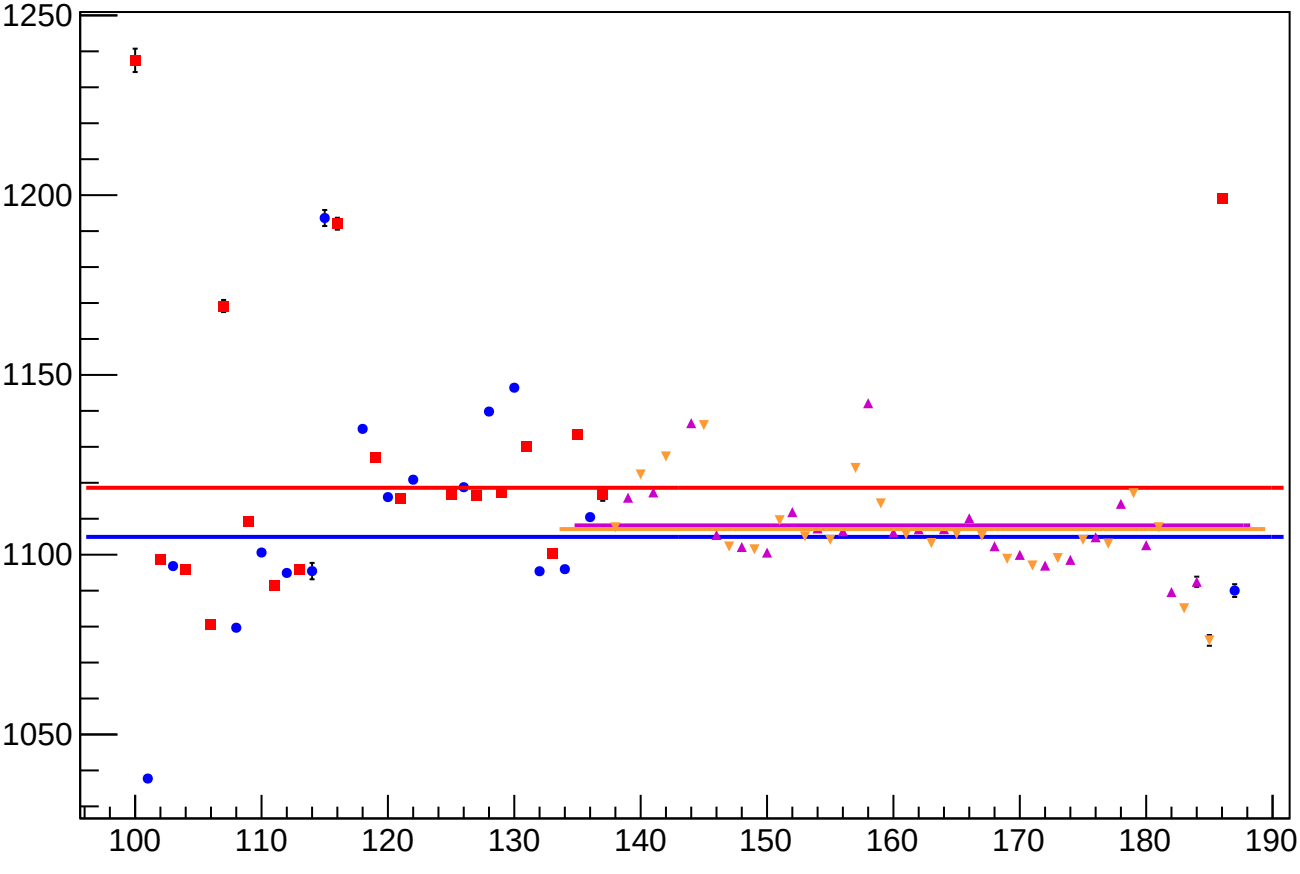
Right: 1949.119+/-285.115 χ^2/NDF: 18.1/35

In: 1886.069+/-218.095 χ^2/NDF:29.4/39

Out: 1710.174+/-216.402 χ^2/NDF:29.2/42

All: 1797.436+/-153.614 χ^2/NDF: 58.9/82

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1104.955+/-0.287 χ^2/NDF: 11403.7/16

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1118.612+/-0.284 χ^2/NDF: 11236.2/18

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

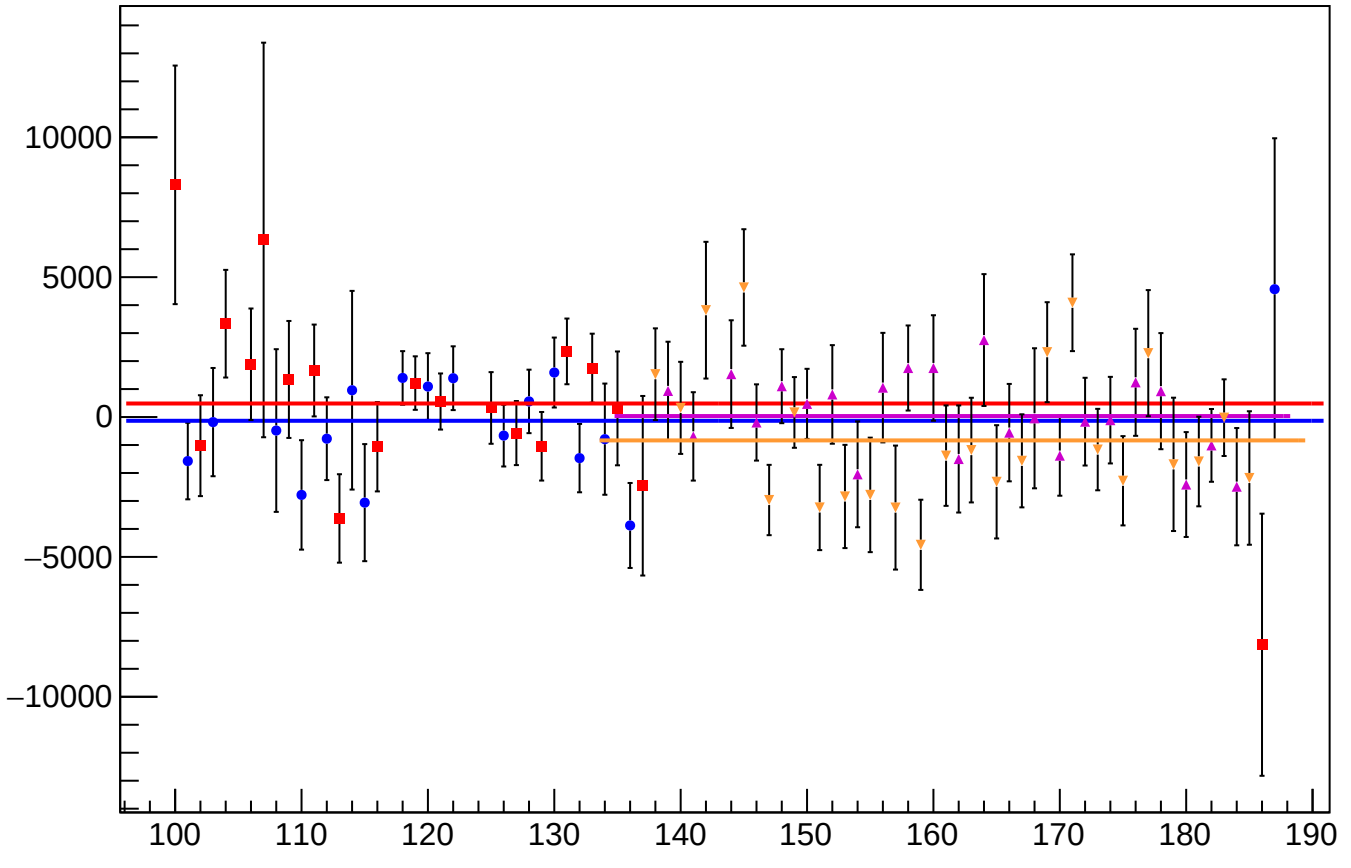
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1111.854+/-0.202 χ^2/NDF: 23787.1/35

In: 1107.221+/-0.154 χ^2/NDF:15682.3/39

Out: 1110.469+/-0.153 χ^2/NDF:16182.3/42

All: 1108.858+/-0.109 χ^2/NDF: 32088.0/82



Right In: -134.049+/-350.574 χ^2/NDF: 21.2/16

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 483.918+/-349.430 χ^2/NDF: 26.6/18

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

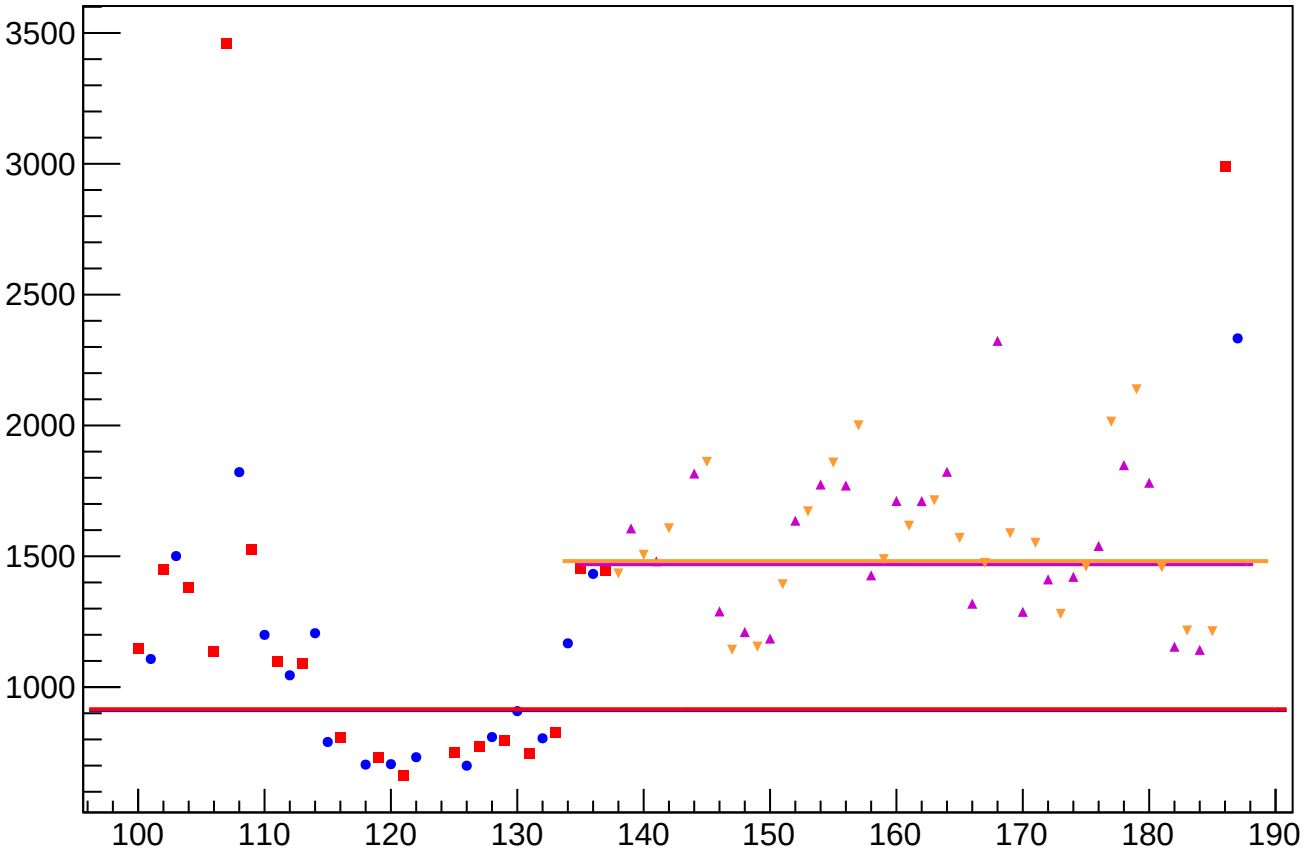
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 175.945+/-247.488 χ^2/NDF: 49.4/35

In: -49.039+/-247.561 χ^2/NDF:34.5/39

Out: -173.453+/-247.502 χ^2/NDF:77.3/42

All: -111.261+/-175.031 χ^2/NDF: 111.9/82



Right In: 912.059+/-0.248 χ^2/NDF: 1218747.0/16

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 915.356+/-0.247 χ^2/NDF: 1734369.6/18

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

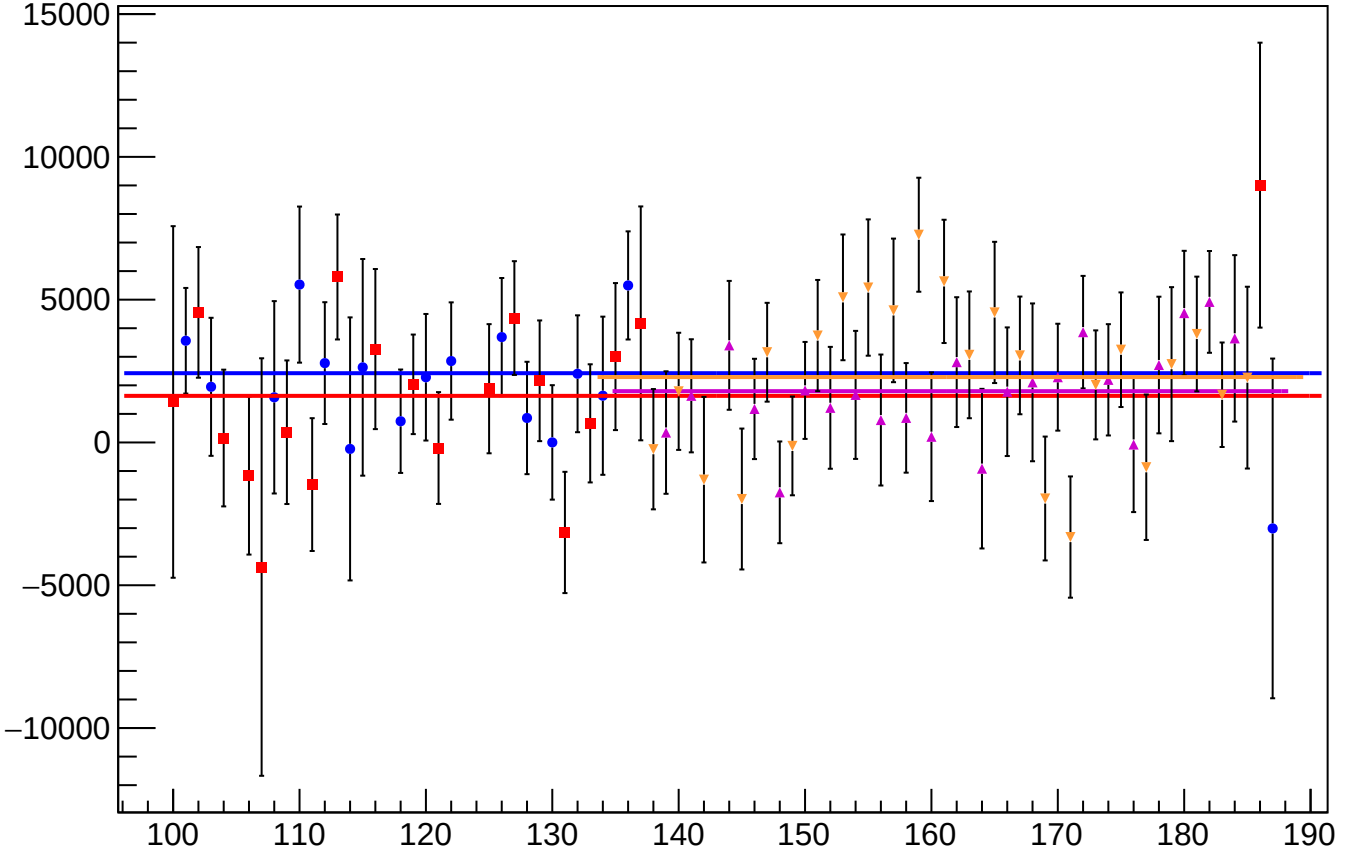
Right: 913.713+/-0.175 χ^2/NDF: 2953205.3/35

In: 1191.731+/-0.175 χ^2/NDF:4852642.8/39

Out: 1197.492+/-0.175 χ^2/NDF:5368374.0/42

All: 1194.612+/-0.124 χ^2/NDF: 10221558.5/8

asym_usl_mean vs Slug, Sign Corrected



Right In: 2425.397+/-560.293 χ^2/NDF: 9.1/16

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 1631.600+/-559.994 χ^2/NDF: 20.7/18

Left In: 1796.308+/-439.143 χ^2/NDF:14.2/22

Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

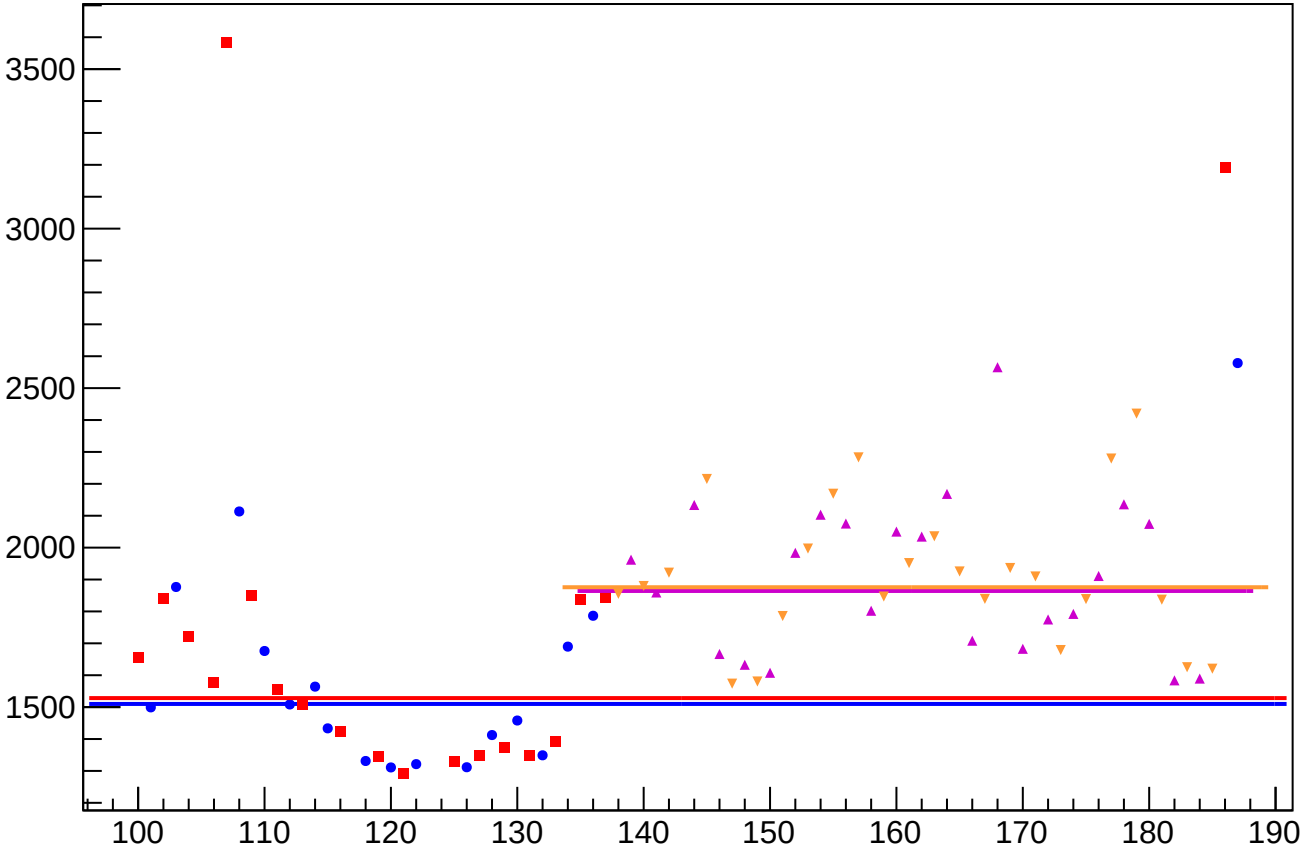
Right: 2028.287+/-396.081 χ^2/NDF: 30.8/35

In: 2035.699+/-345.632 χ^2/NDF:24.1/39

Out: 2038.973+/-345.652 χ^2/NDF:57.6/42

All: 2037.336+/-244.406 χ^2/NDF: 81.7/82

asym_usl_rms vs Slug, Sign Corrected



Right In: 1509.946+/-0.396 χ^2/NDF: 323936.0/16

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1528.307+/-0.396 χ^2/NDF: 626021.8/18

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

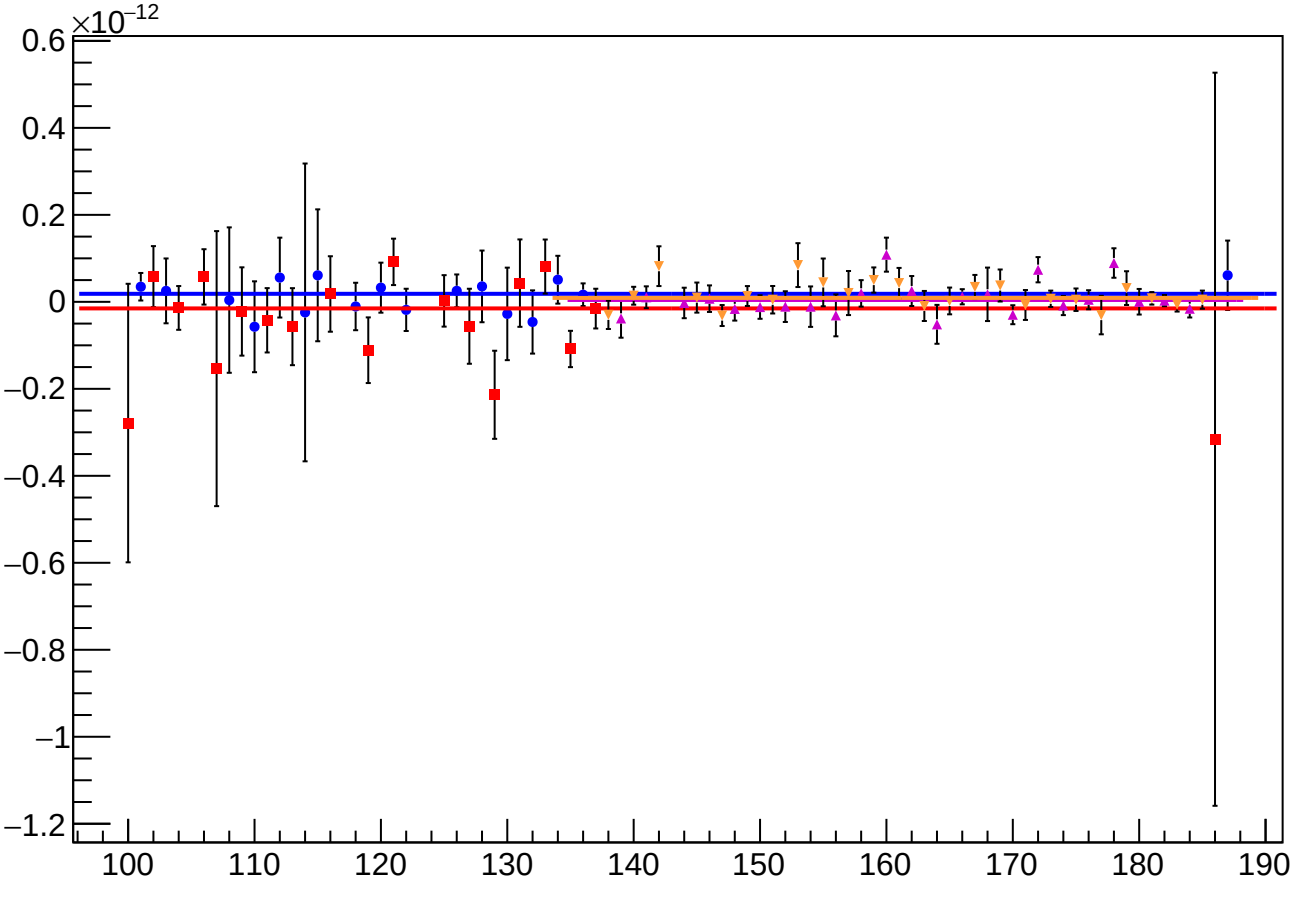
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

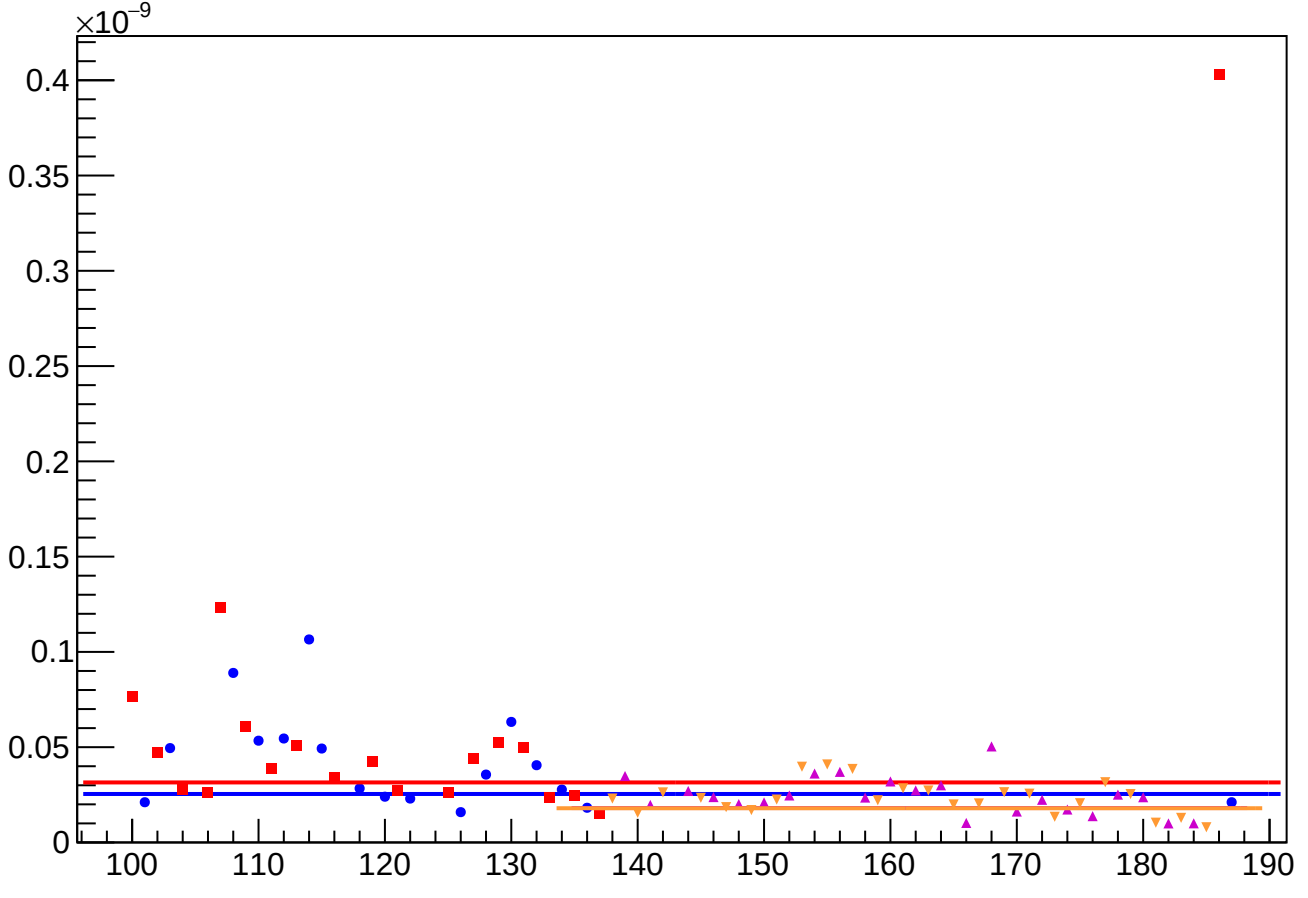
Right: 1519.131+/-0.280 χ^2/NDF: 951032.3/35

In: 1729.370+/-0.244 χ^2/NDF:1329704.7/39

Out: 1743.421+/-0.244 χ^2/NDF:1575339.7/42

All: 1736.395+/-0.173 χ^2/NDF: 2906697.0/82


asym_usl_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3.7/16
Left Out: 0.000+/-0.000 χ²/NDF:16.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:28.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.1/46
Right: 0.000+/-0.000 χ²/NDF: 27.7/35
In: 0.000+/-0.000 χ²/NDF:32.8/39
Out: 0.000+/-0.000 χ²/NDF:40.0/42
All: 0.000+/-0.000 χ²/NDF: 72.8/82



Right In: 0.000+/-0.000 χ^2/NDF: 1713826.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1616480.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

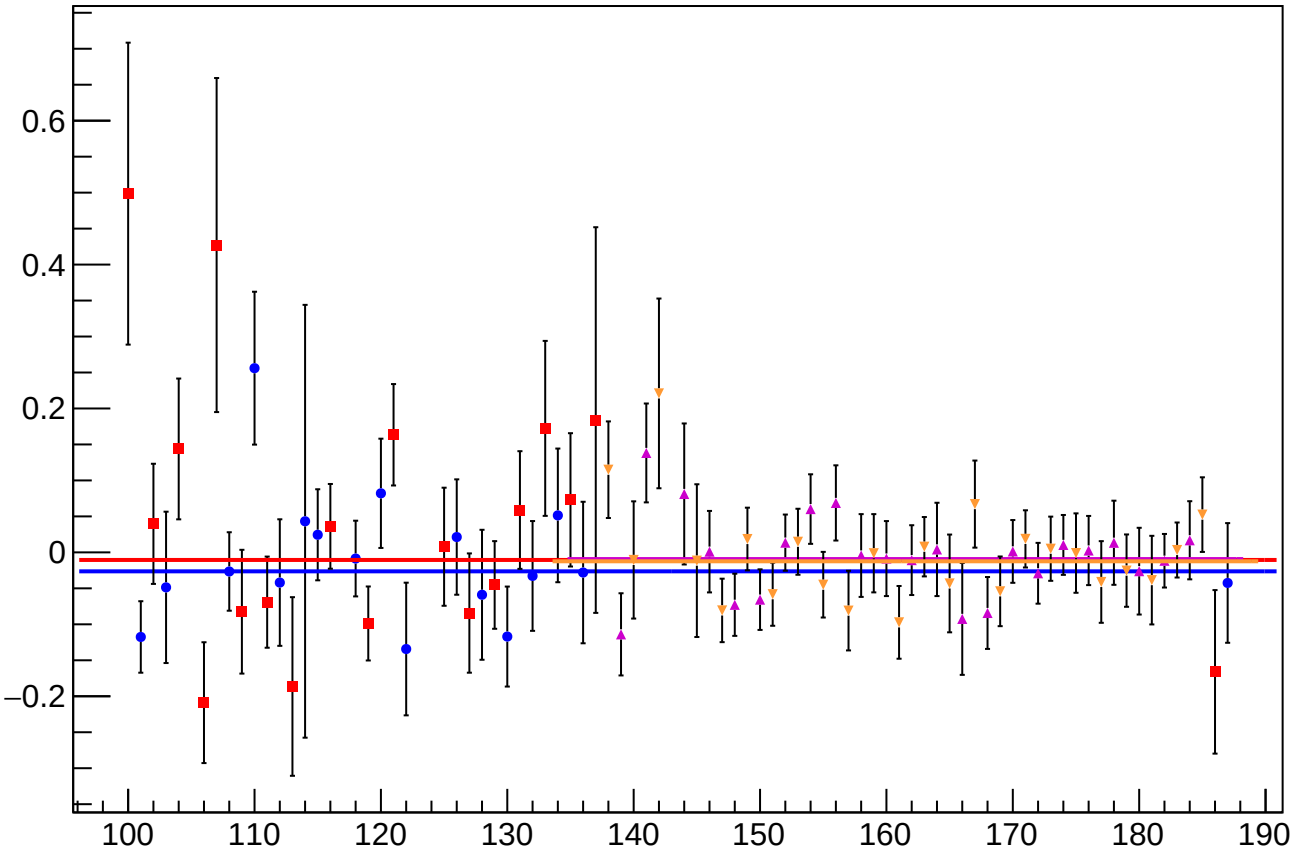
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 3498504.3/35

In: 0.000+/-0.000 χ^2/NDF:6417100.8/39

Out: 0.000+/-0.000 χ^2/NDF:6377747.9/42

All: 0.000+/-0.000 χ^2/NDF: 12796675.5/82



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.011+/-0.019 χ^2/NDF: 38.5/18

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

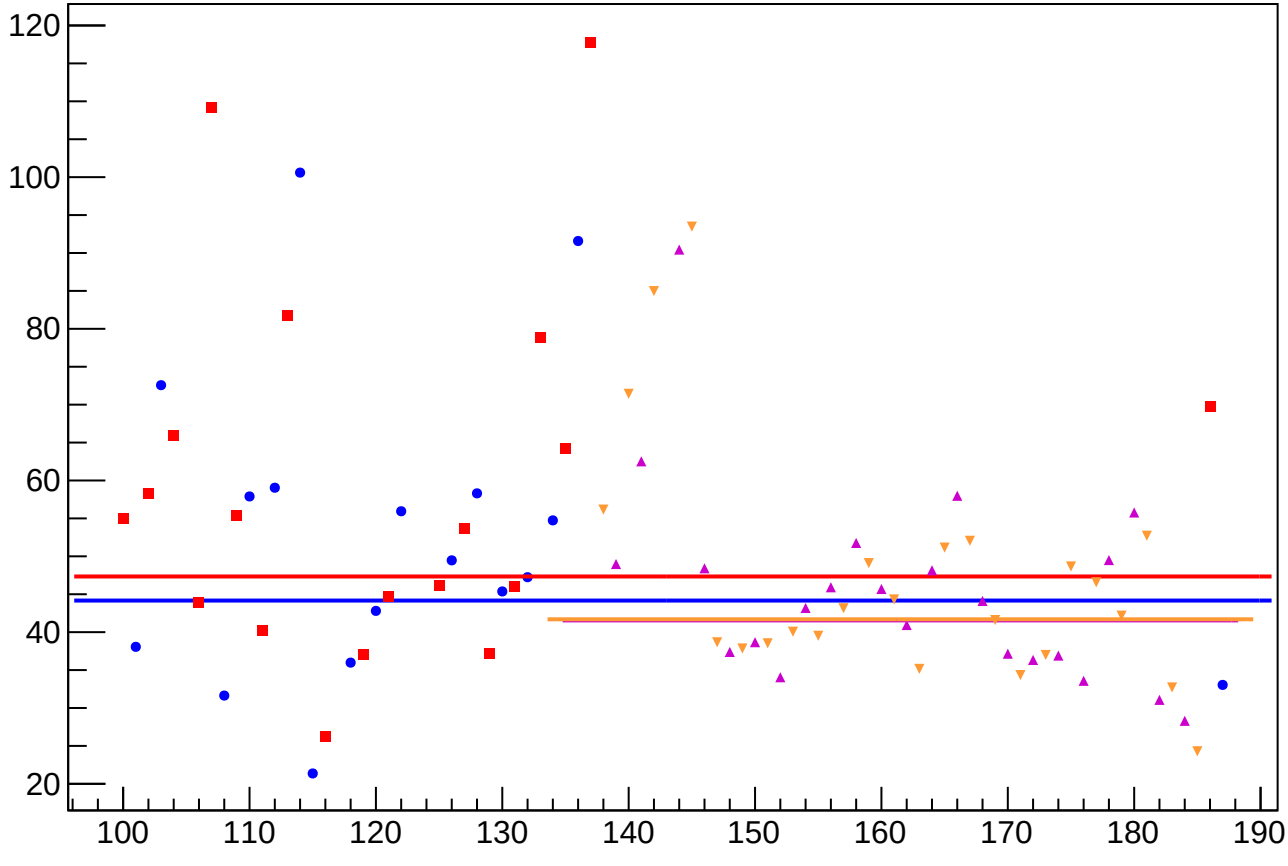
Right: -0.019+/-0.013 χ^2/NDF: 56.5/35

In: -0.014+/-0.009 χ^2/NDF:40.2/39

Out: -0.012+/-0.009 χ^2/NDF:60.4/42

All: -0.013+/-0.006 χ^2/NDF: 100.7/82

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.167+/-0.013 χ^2/NDF: 1372129.4/16

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 47.342+/-0.014 χ^2/NDF: 1275134.6/18

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

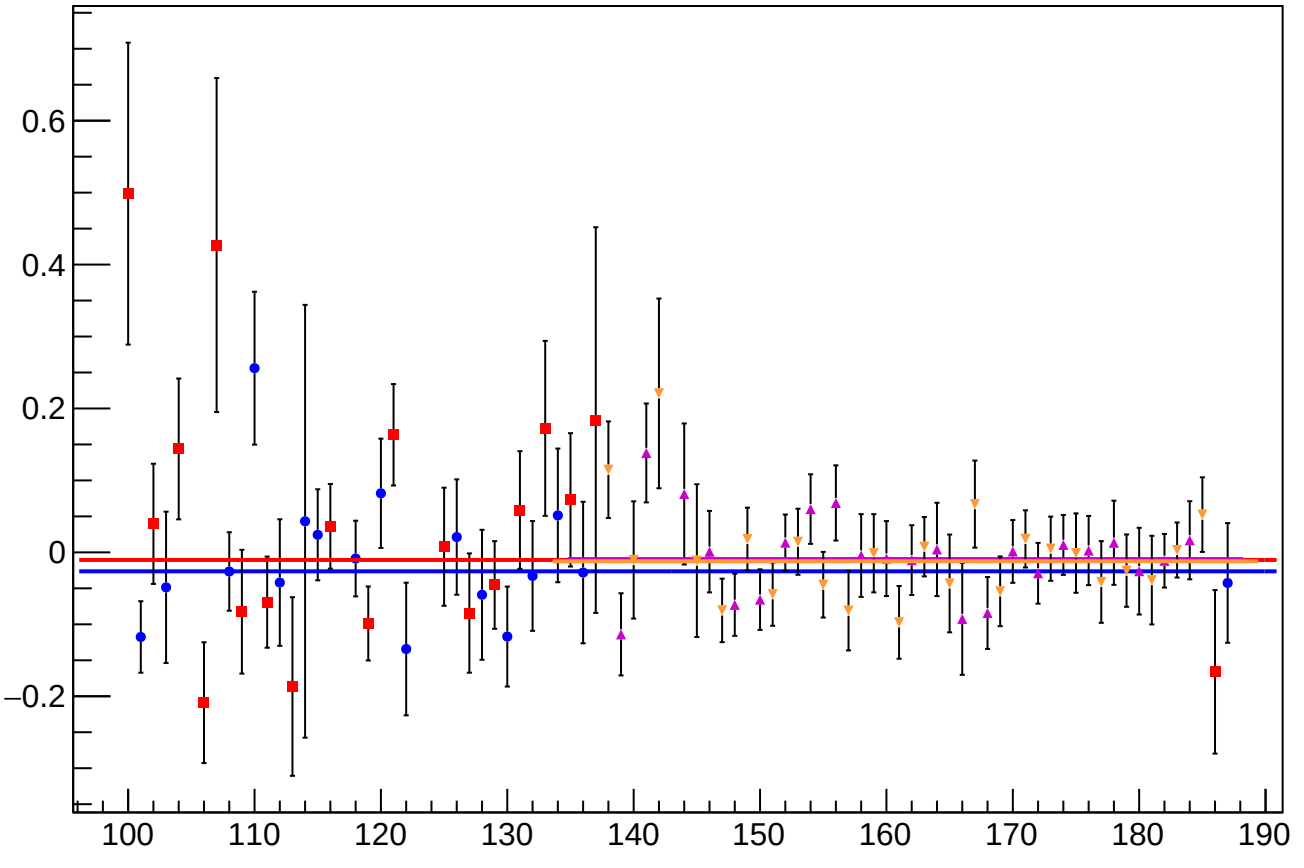
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 45.686+/-0.009 χ^2/NDF: 2676039.5/35

In: 42.196+/-0.006 χ^2/NDF:3015878.0/39

Out: 43.002+/-0.007 χ^2/NDF:3231054.6/42

All: 42.594+/-0.005 χ^2/NDF: 6254695.0/82



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.011+/-0.019 χ^2/NDF: 38.5/18

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

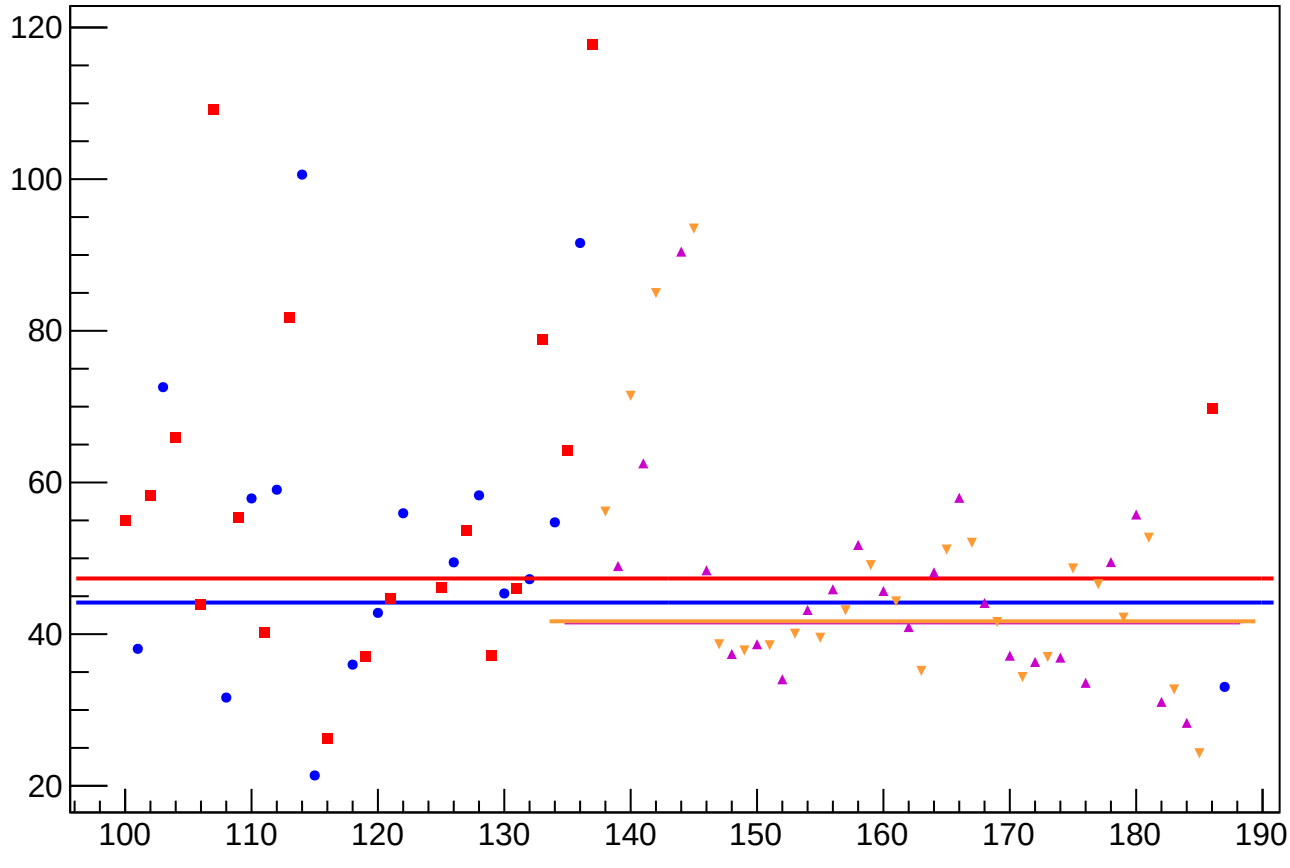
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.019+/-0.013 χ^2/NDF: 56.5/35

In: -0.014+/-0.009 χ^2/NDF:40.2/39

Out: -0.012+/-0.009 χ^2/NDF:60.4/42

All: -0.013+/-0.006 χ^2/NDF: 100.7/82



Right In: 44.167+/-0.013 χ^2/NDF: 1372129.4/16

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 47.342+/-0.014 χ^2/NDF: 1275134.6/18

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

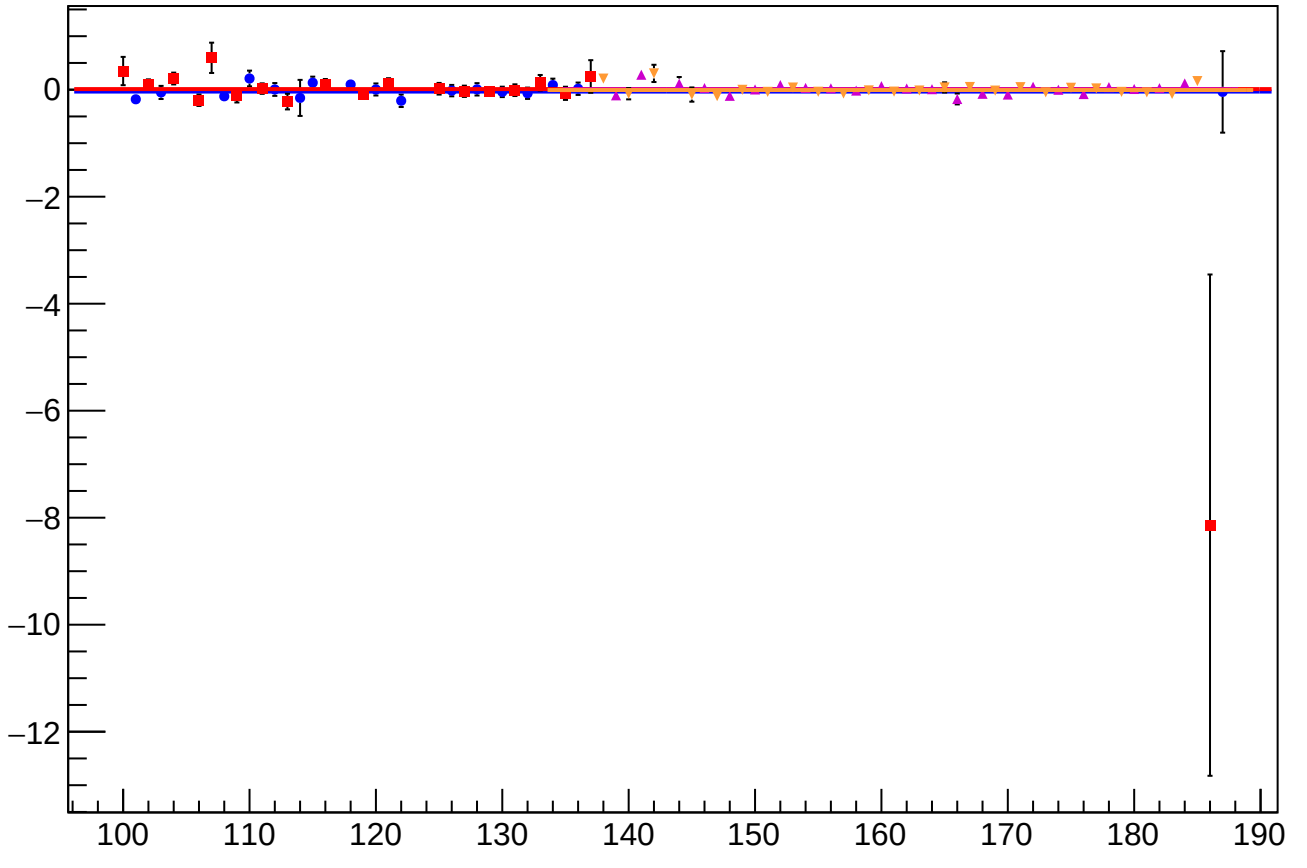
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 45.686+/-0.009 χ^2/NDF: 2676039.5/35

In: 42.196+/-0.006 χ^2/NDF:3015878.0/39

Out: 43.002+/-0.007 χ^2/NDF:3231054.6/42

All: 42.594+/-0.005 χ^2/NDF: 6254695.0/82



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/16

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.011+/-0.027 χ^2/NDF: 25.8/18

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

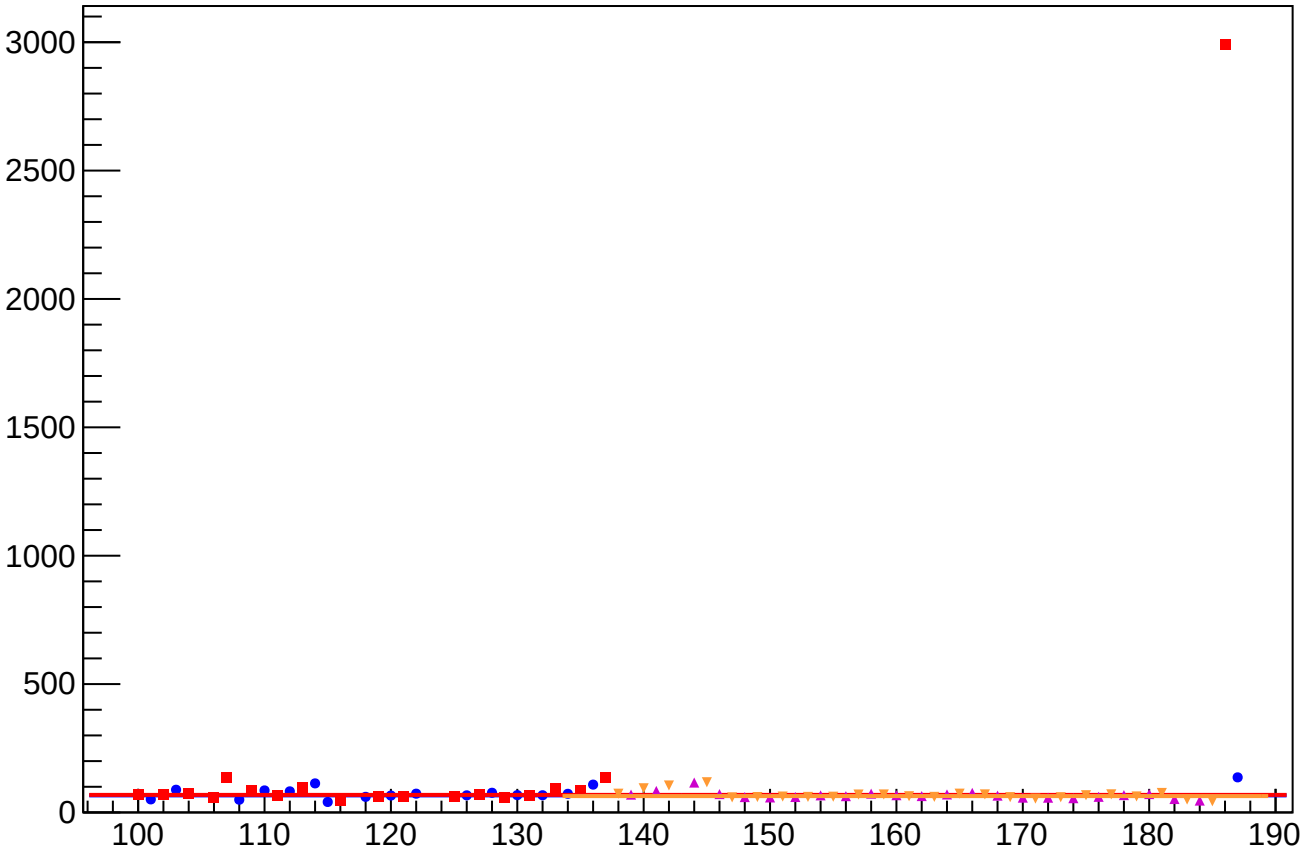
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.012+/-0.019 χ^2/NDF: 44.7/35

In: -0.003+/-0.013 χ^2/NDF:47.5/39

Out: -0.002+/-0.013 χ^2/NDF:49.8/42

All: -0.003+/-0.009 χ^2/NDF: 97.3/82



Right In: 66.432+/-0.019 χ^2/NDF: 789691.3/16

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 68.418+/-0.019 χ^2/NDF: 1407447.2/18

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

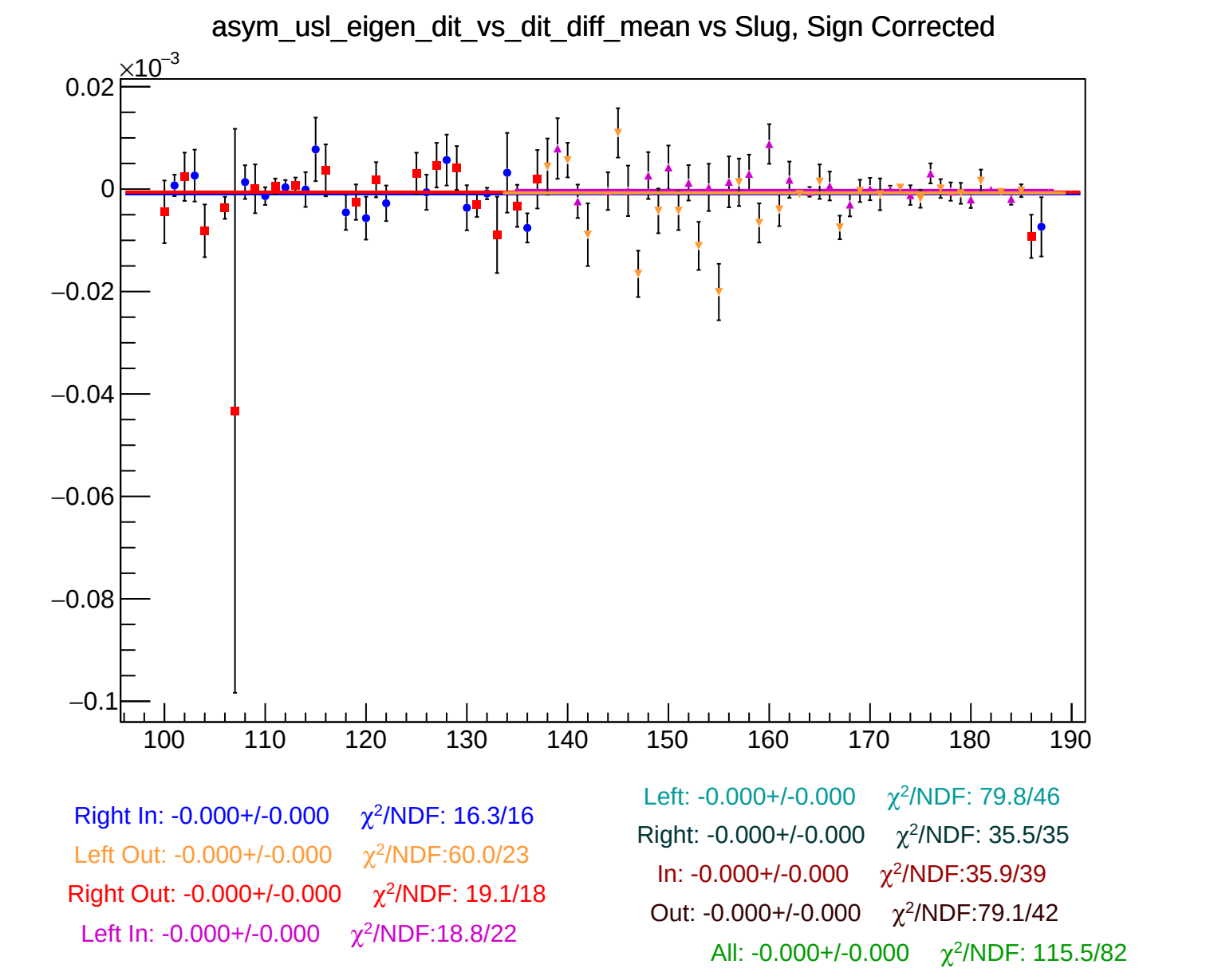
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

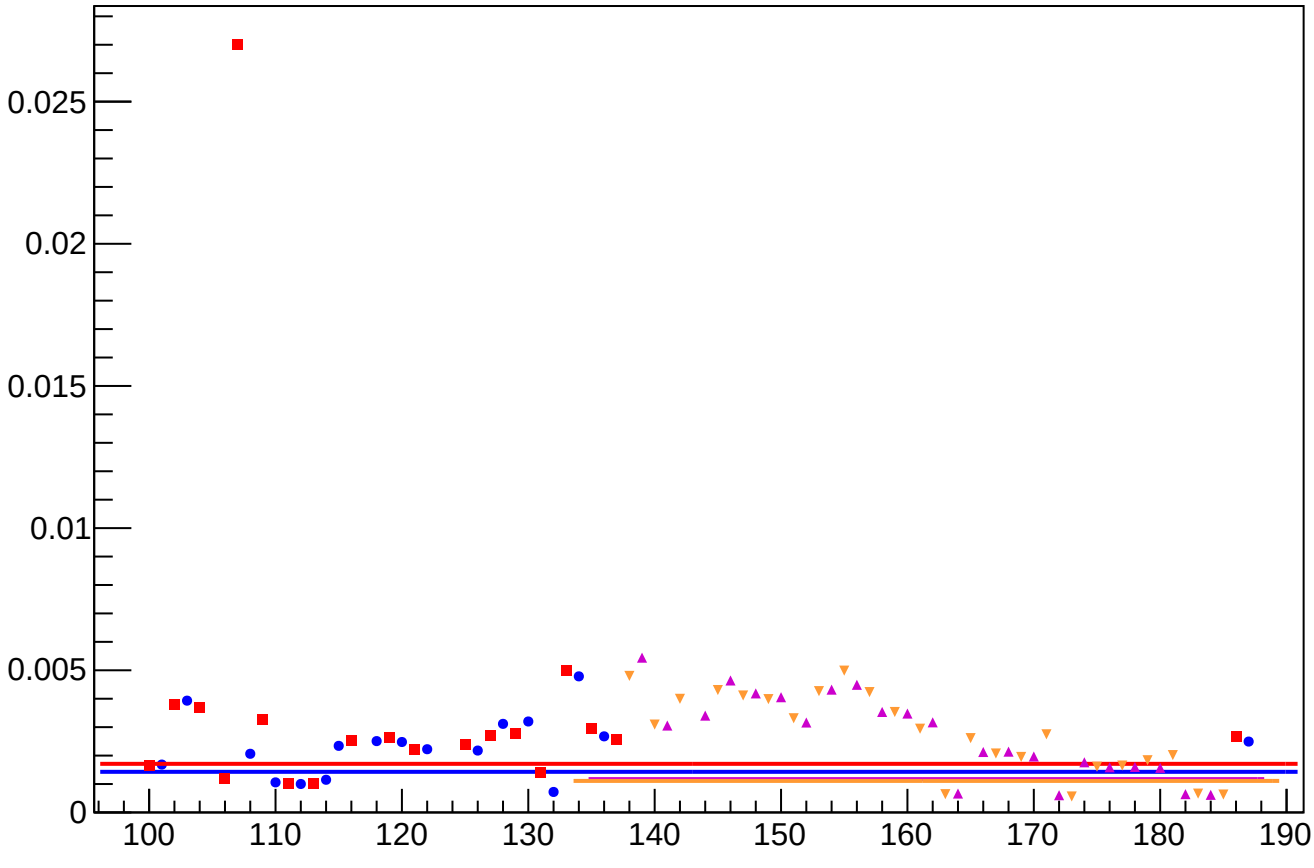
Right: 67.401+/-0.013 χ^2/NDF: 2202723.0/35

In: 64.655+/-0.009 χ^2/NDF:1640834.2/39

Out: 64.925+/-0.009 χ^2/NDF:2531067.3/42

All: 64.789+/-0.007 χ^2/NDF: 4172310.8/82


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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.3/16
Left Out: -0.000+/-0.000 χ²/NDF:60.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 19.1/18
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
Left: -0.000+/-0.000 χ²/NDF: 79.8/46
Right: -0.000+/-0.000 χ²/NDF: 35.5/35
In: -0.000+/-0.000 χ²/NDF:35.9/39
Out: -0.000+/-0.000 χ²/NDF:79.1/42
All: -0.000+/-0.000 χ²/NDF: 115.5/82



Right In: 0.001+/-0.000 χ^2/NDF: 3615740.1/16

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3537650.3/18

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

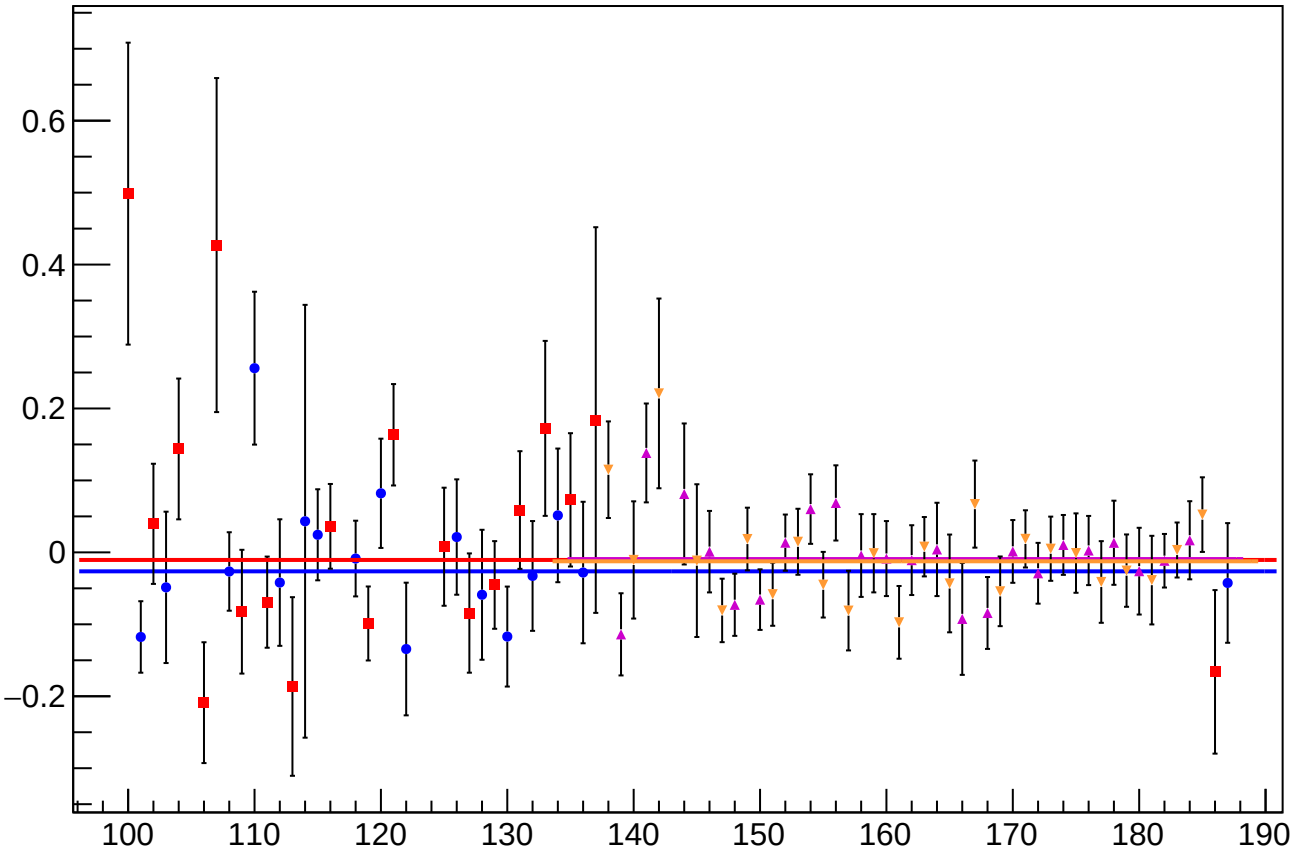
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.002+/-0.000 χ^2/NDF: 7331625.5/35

In: 0.001+/-0.000 χ^2/NDF:18129237.1/39

Out: 0.001+/-0.000 χ^2/NDF:19848800.8/42

All: 0.001+/-0.000 χ^2/NDF: 37980961.3/82



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.011+/-0.019 χ^2/NDF: 38.5/18

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

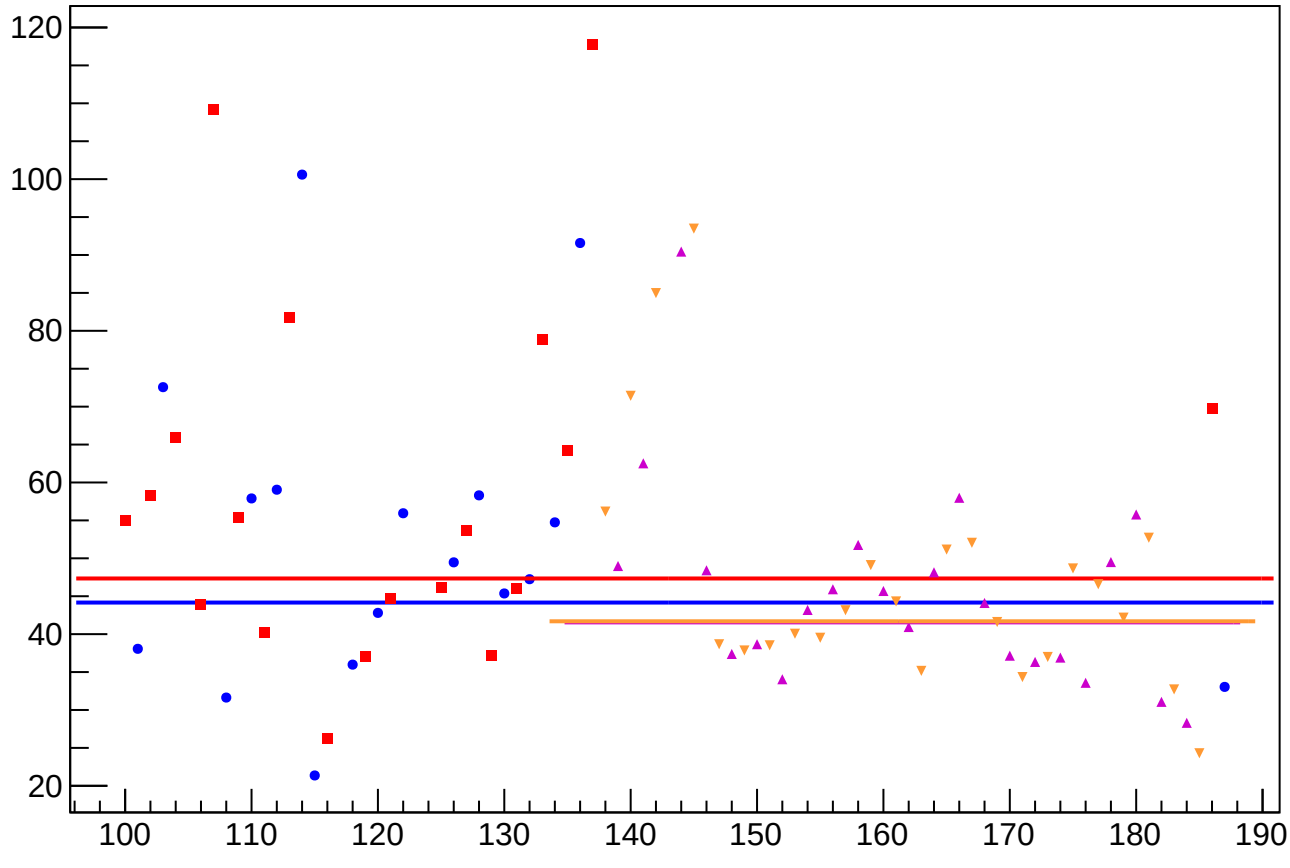
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.019+/-0.013 χ^2/NDF: 56.5/35

In: -0.014+/-0.009 χ^2/NDF:40.2/39

Out: -0.012+/-0.009 χ^2/NDF:60.4/42

All: -0.013+/-0.006 χ^2/NDF: 100.7/82



Right In: 44.166+/-0.013 χ^2/NDF: 1372190.0/16

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 47.341+/-0.014 χ^2/NDF: 1275193.7/18

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

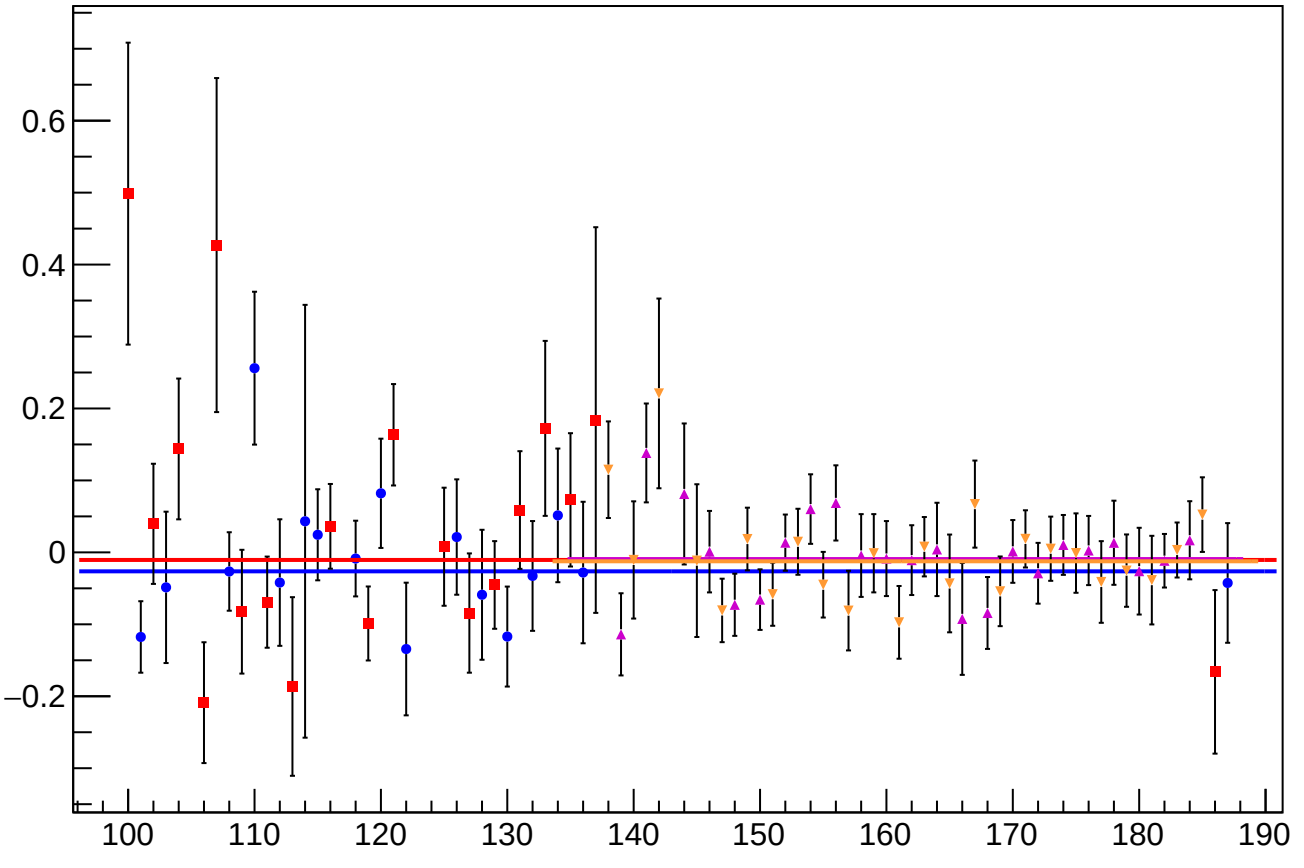
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 45.685+/-0.009 χ^2/NDF: 2676160.3/35

In: 42.196+/-0.006 χ^2/NDF:3015872.4/39

Out: 43.002+/-0.007 χ^2/NDF:3231031.0/42

All: 42.594+/-0.005 χ^2/NDF: 6254664.3/82



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.011+/-0.019 χ^2/NDF: 38.5/18

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

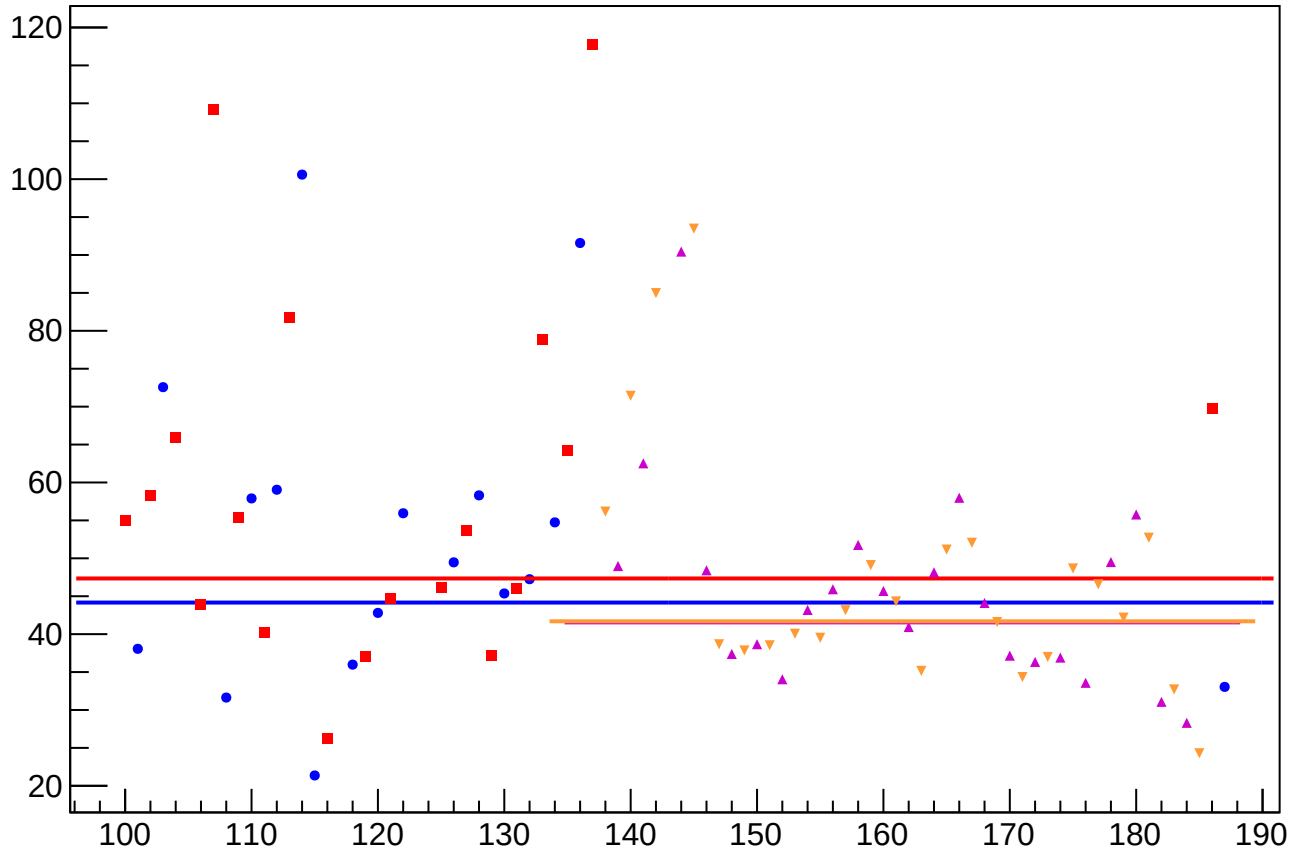
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.019+/-0.013 χ^2/NDF: 56.5/35

In: -0.014+/-0.009 χ^2/NDF:40.2/39

Out: -0.012+/-0.009 χ^2/NDF:60.4/42

All: -0.013+/-0.006 χ^2/NDF: 100.7/82



Right In: 44.166+/-0.013 χ^2/NDF: 1372190.0/16

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 47.341+/-0.014 χ^2/NDF: 1275193.7/18

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

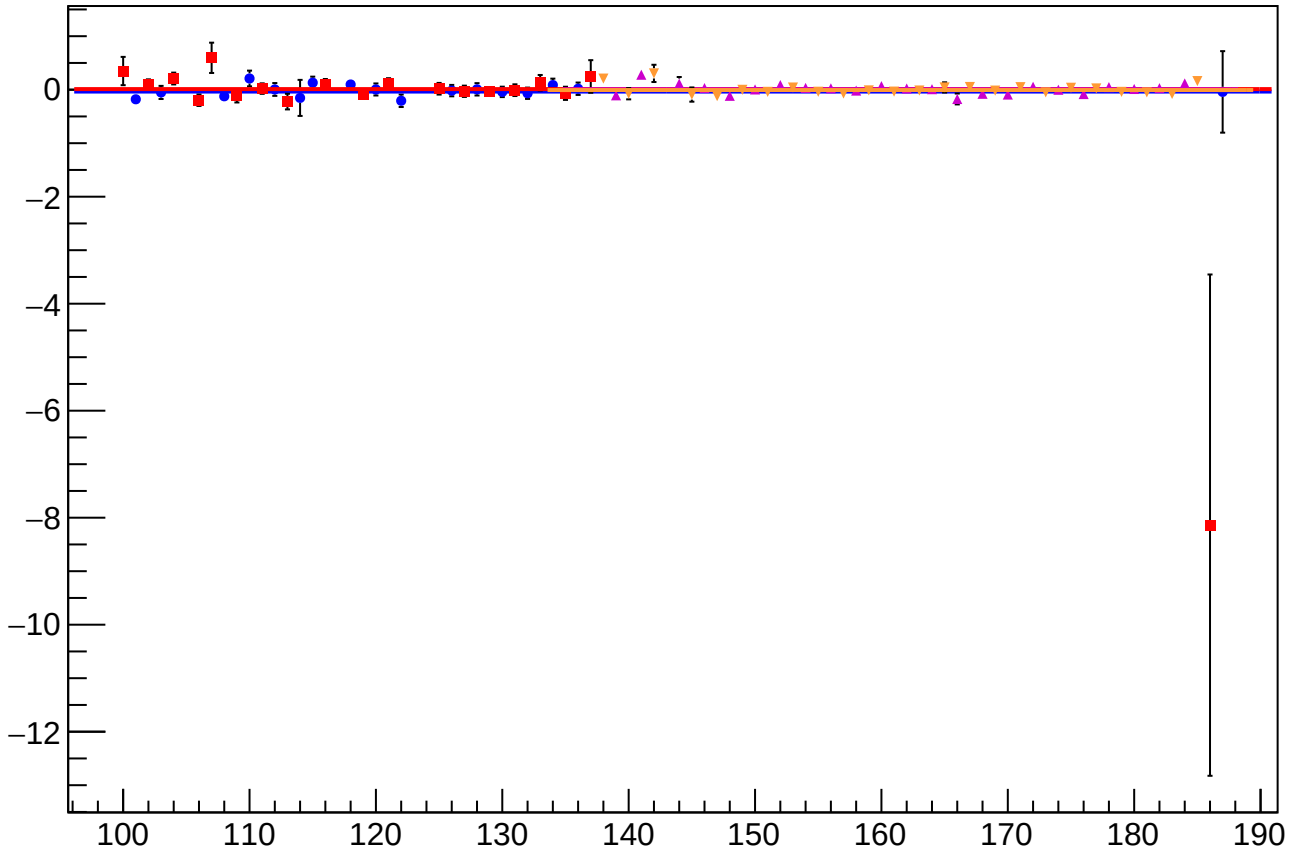
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 45.685+/-0.009 χ^2/NDF: 2676160.3/35

In: 42.196+/-0.006 χ^2/NDF:3015872.4/39

Out: 43.002+/-0.007 χ^2/NDF:3231031.0/42

All: 42.594+/-0.005 χ^2/NDF: 6254664.3/82



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/16

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.011+/-0.027 χ^2/NDF: 25.8/18

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

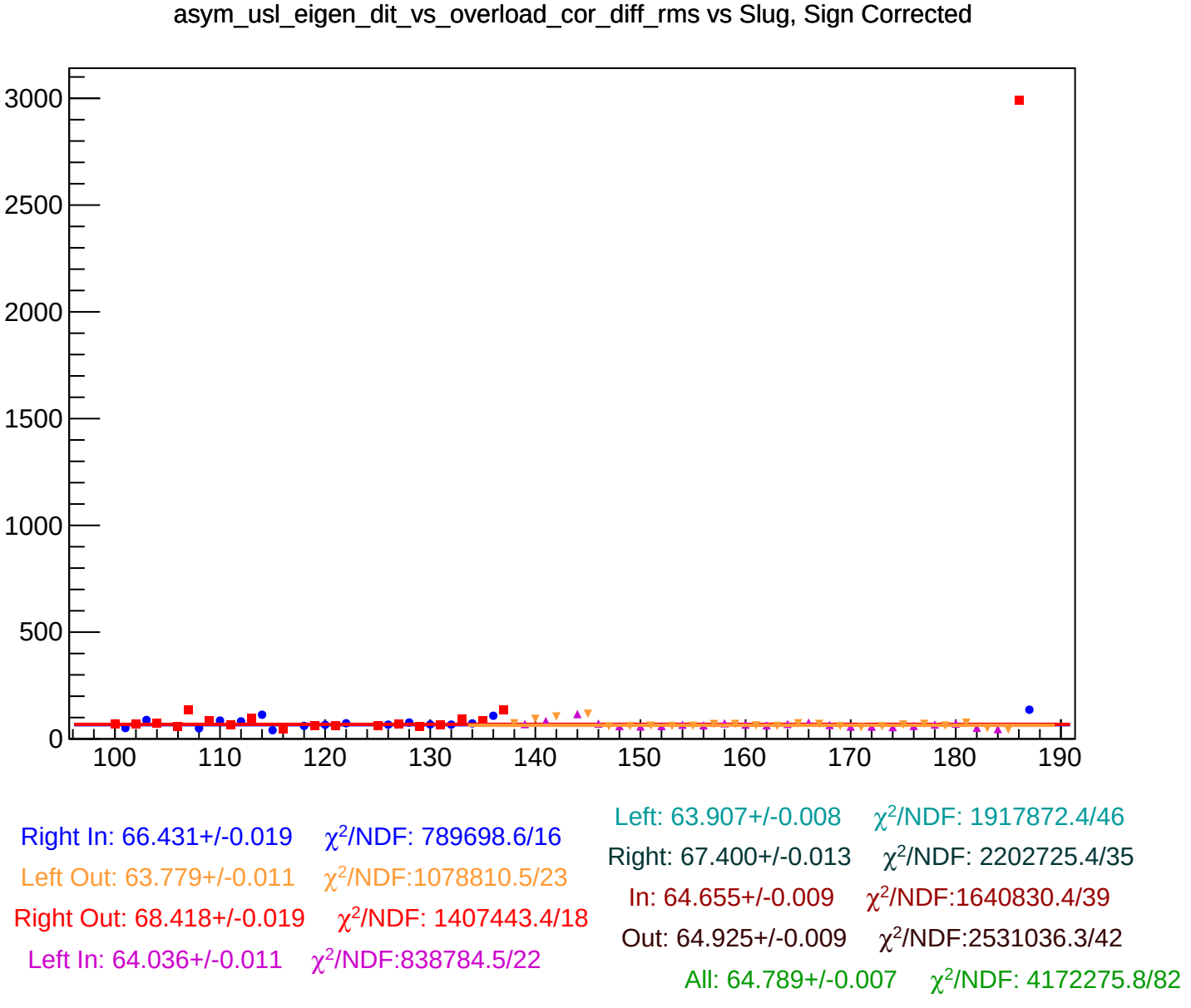
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

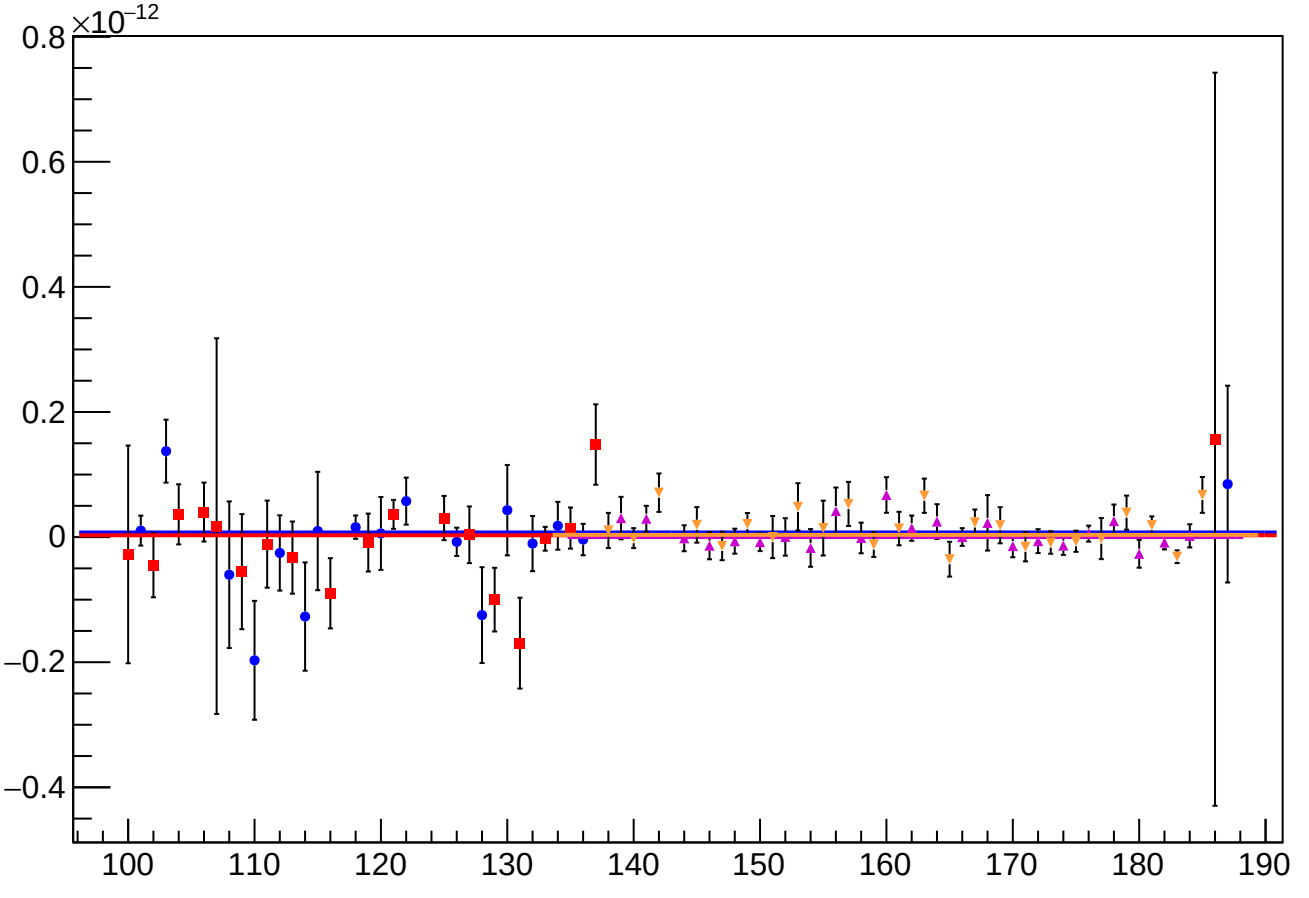
Right: -0.012+/-0.019 χ^2/NDF: 44.7/35

In: -0.003+/-0.013 χ^2/NDF:47.5/39

Out: -0.002+/-0.013 χ^2/NDF:49.8/42

All: -0.003+/-0.009 χ^2/NDF: 97.3/82


asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 66.431+/-0.019 χ2/NDF: 789698.6/16
Left Out: 63.779+/-0.011 χ2/NDF:1078810.5/23
Right Out: 68.418+/-0.019 χ2/NDF: 1407443.4/18
Left In: 64.036+/-0.011 χ2/NDF:838784.5/22
Left: 63.907+/-0.008 χ2/NDF: 1917872.4/46
Right: 67.400+/-0.013 χ2/NDF: 2202725.4/35
In: 64.655+/-0.009 χ2/NDF:1640830.4/39
Out: 64.925+/-0.009 χ2/NDF:2531036.3/42
All: 64.789+/-0.007 χ2/NDF: 4172275.8/82



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

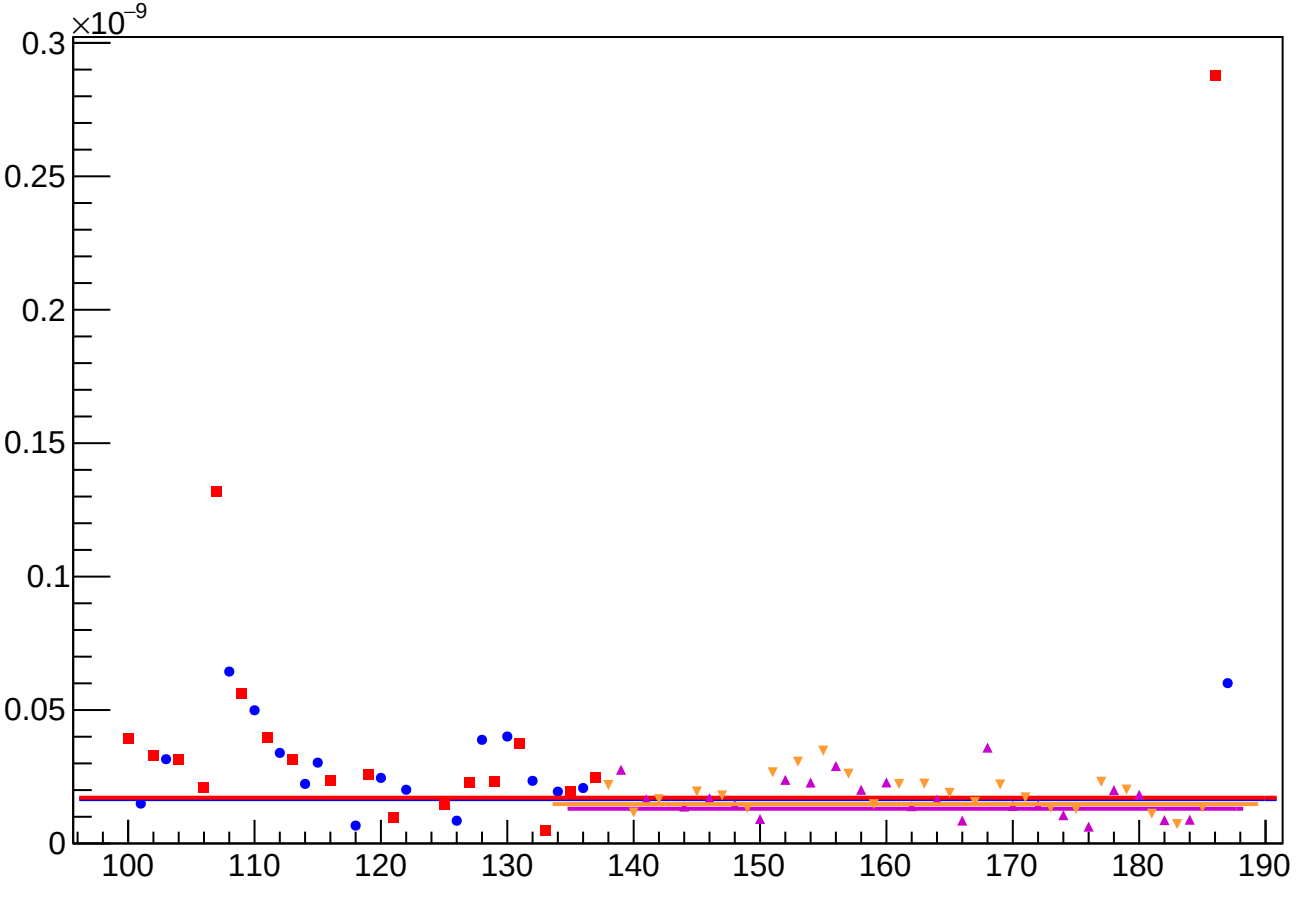
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 44.2/35

In: 0.000+/-0.000 χ^2/NDF:38.3/39

Out: 0.000+/-0.000 χ^2/NDF:64.0/42

All: 0.000+/-0.000 χ^2/NDF: 102.5/82



Right In: 0.000+/-0.000 χ^2/NDF: 2499046.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3217590.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

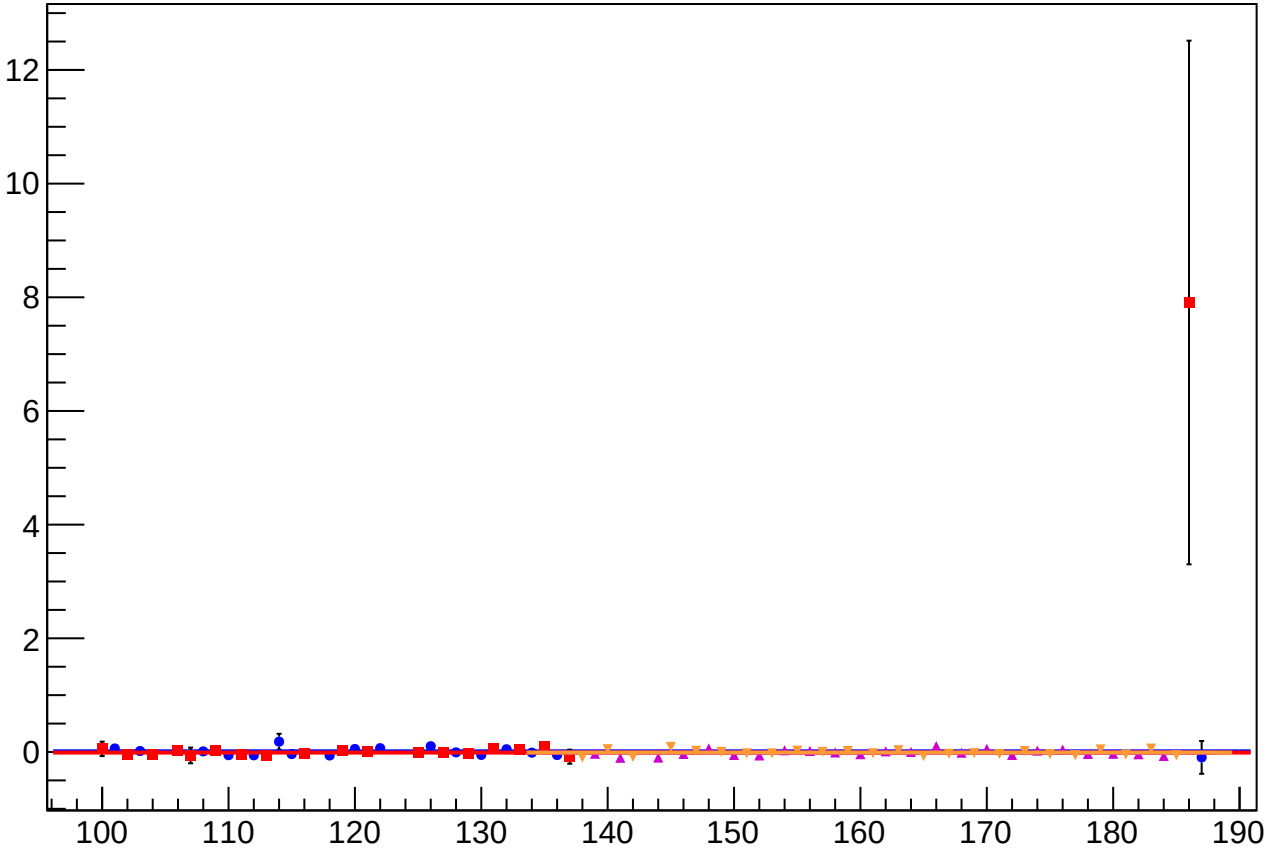
Right: 0.000+/-0.000 χ^2/NDF: 5719791.6/35

In: 0.000+/-0.000 χ^2/NDF:6681686.9/39

Out: 0.000+/-0.000 χ^2/NDF:6848094.5/42

All: 0.000+/-0.000 χ^2/NDF: 13691531.5/82

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.8/16

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.011+/-0.013 χ^2/NDF: 12.9/18

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

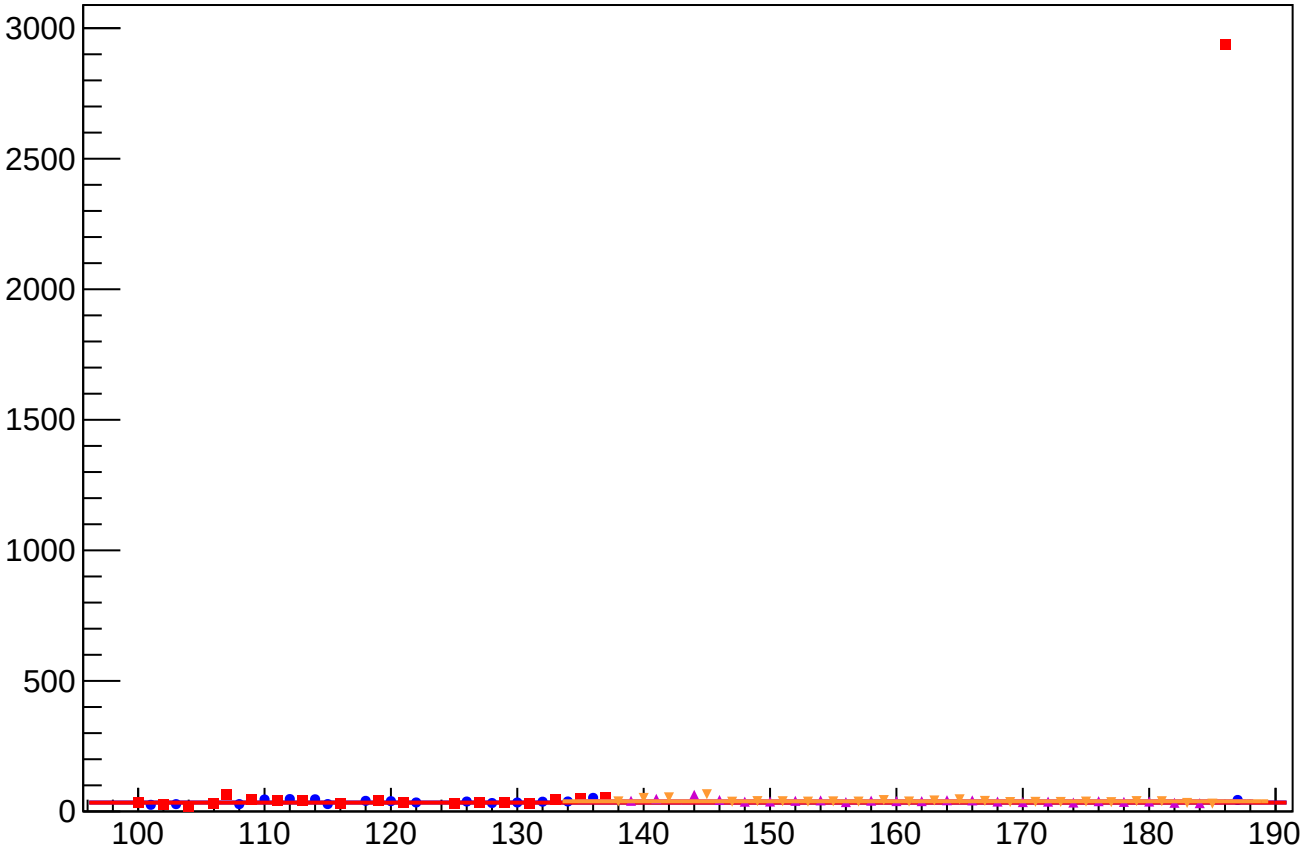
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.000+/-0.010 χ^2/NDF: 29.1/35

In: -0.004+/-0.008 χ^2/NDF:40.0/39

Out: -0.010+/-0.008 χ^2/NDF:32.3/42

All: -0.007+/-0.006 χ^2/NDF: 72.7/82



Right In: 34.276+/-0.010 χ^2/NDF: 638291.4/16

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.771+/-0.010 χ^2/NDF: 1707608.3/18

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

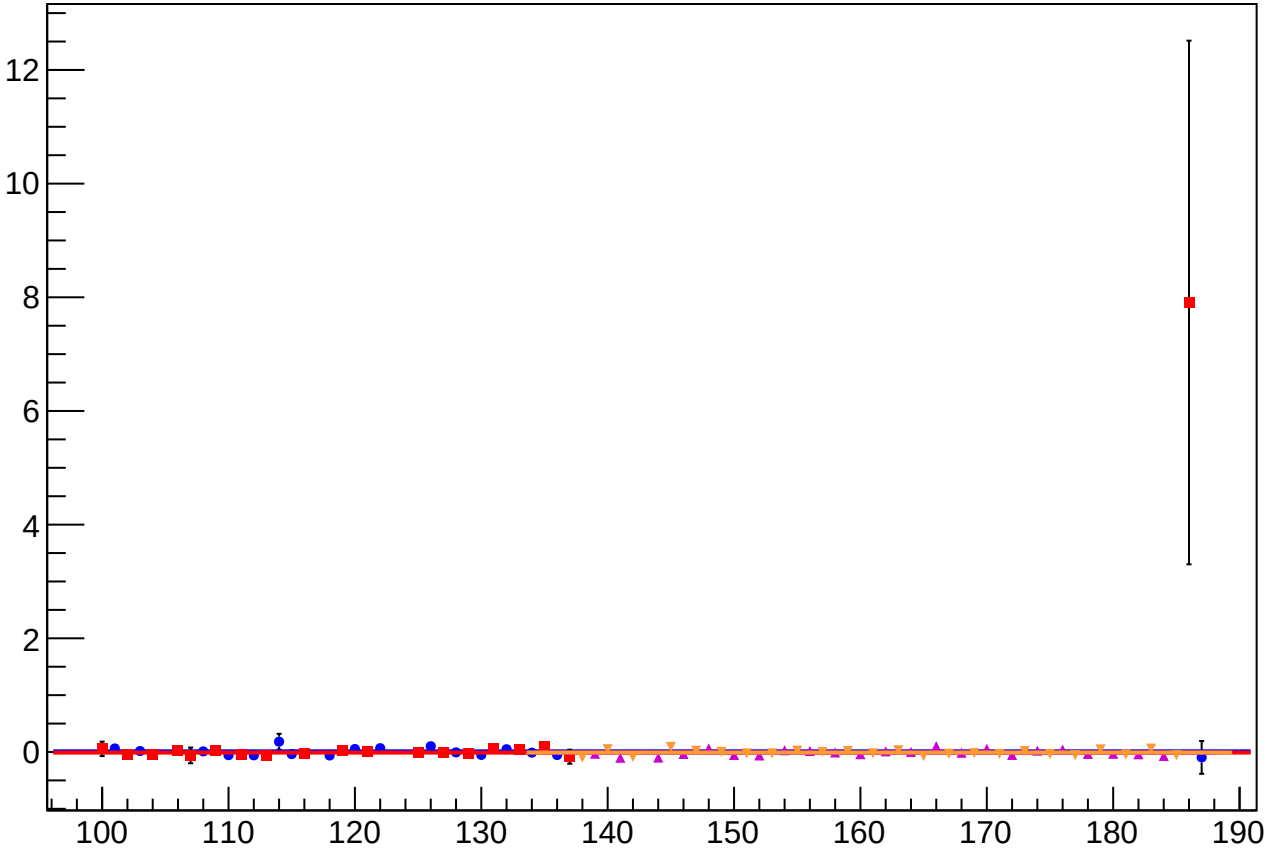
Right: 34.020+/-0.007 χ^2/NDF: 2347297.2/35

In: 37.557+/-0.006 χ^2/NDF:1334110.6/39

Out: 37.248+/-0.005 χ^2/NDF:2532355.4/42

All: 37.401+/-0.004 χ^2/NDF: 3868039.0/82

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.8/16

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.011+/-0.013 χ^2/NDF: 12.9/18

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

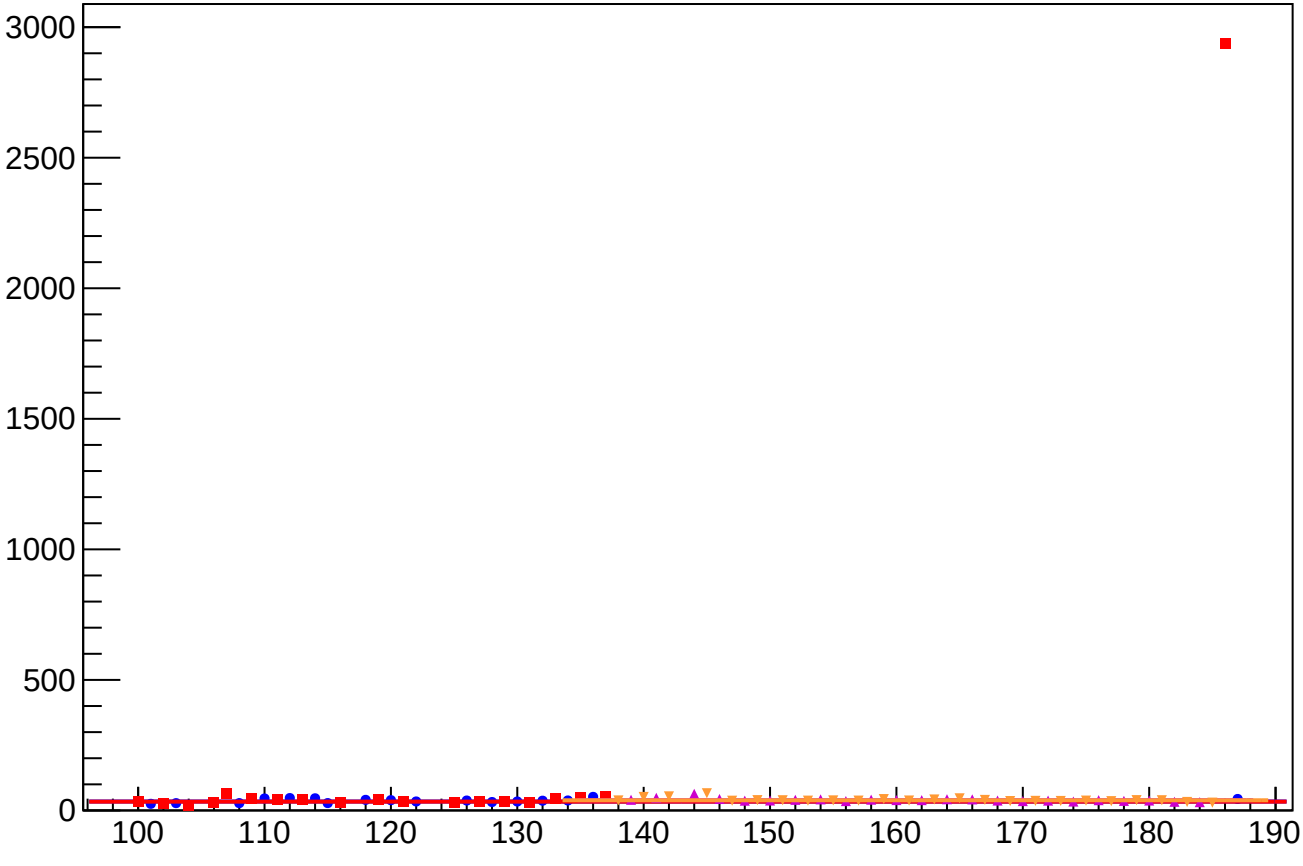
Right: 0.000+/-0.010 χ^2/NDF: 29.1/35

In: -0.004+/-0.008 χ^2/NDF:40.0/39

Out: -0.010+/-0.008 χ^2/NDF:32.3/42

All: -0.007+/-0.006 χ^2/NDF: 72.7/82

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.276+/-0.010 χ^2/NDF: 638291.4/16

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.771+/-0.010 χ^2/NDF: 1707608.3/18

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

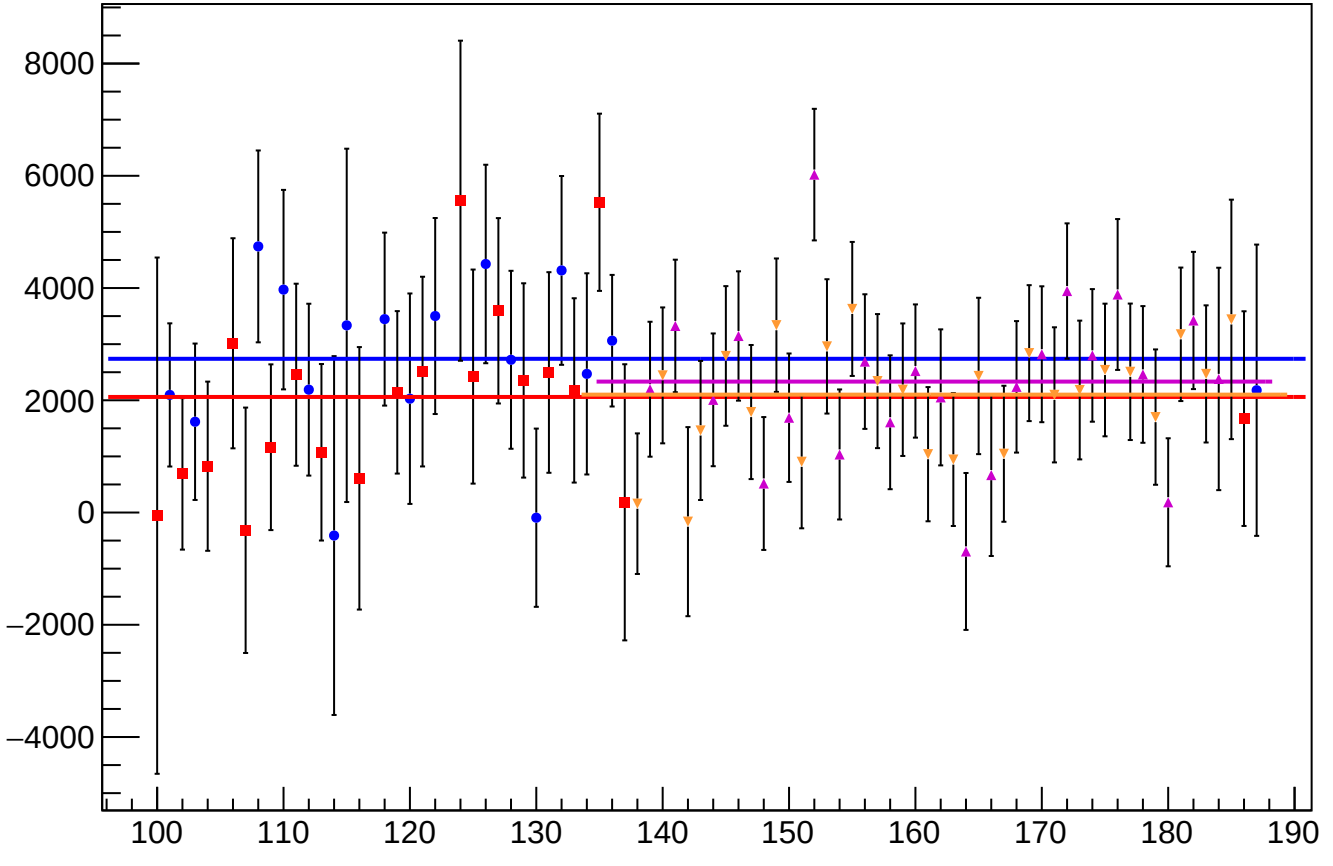
Right: 34.020+/-0.007 χ^2/NDF: 2347297.2/35

In: 37.557+/-0.006 χ^2/NDF:1334110.6/39

Out: 37.248+/-0.005 χ^2/NDF:2532355.4/42

All: 37.401+/-0.004 χ^2/NDF: 3868039.0/82

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2059.270+/-395.087 χ^2/NDF: 12.6/19

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

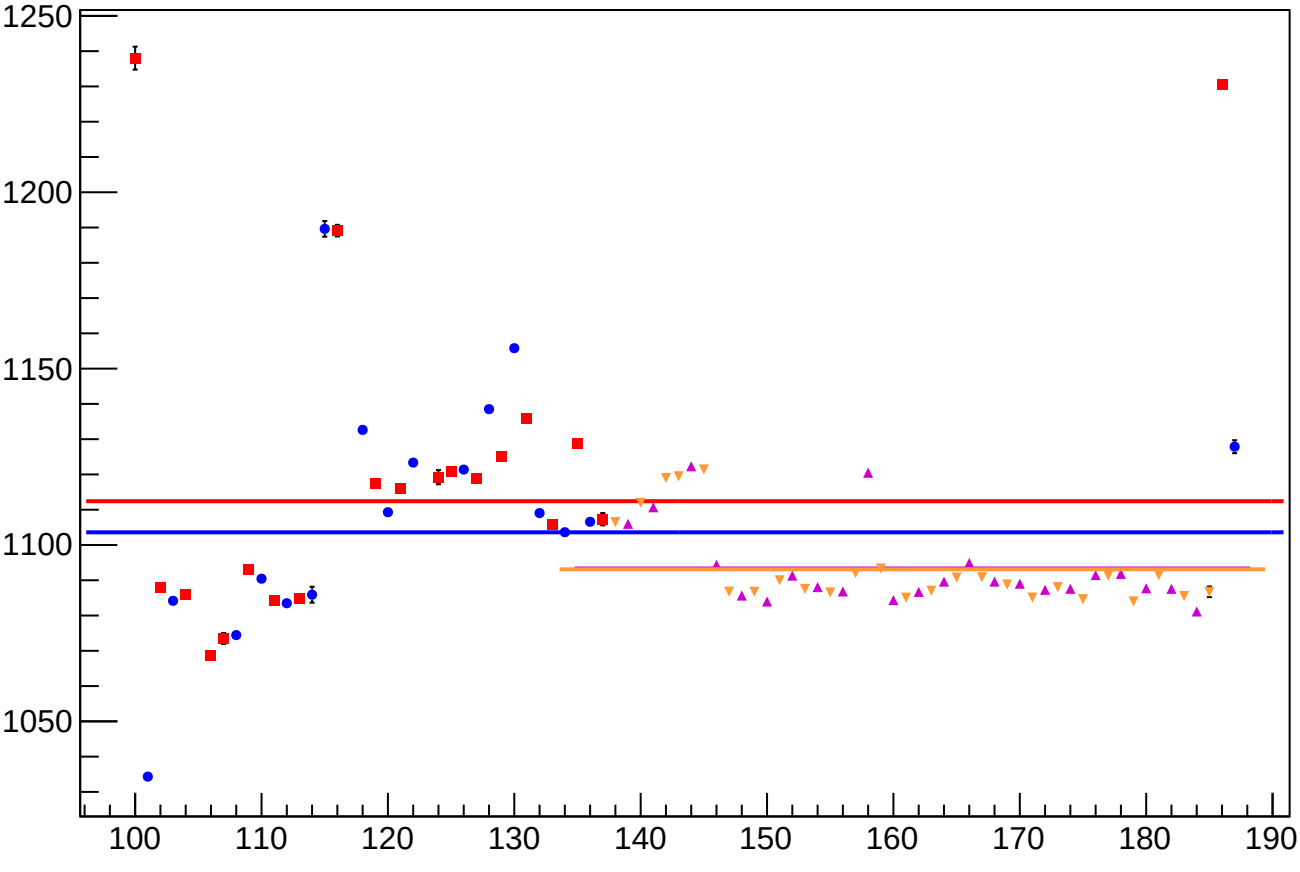
Right: 2390.942+/-282.747 χ^2/NDF: 23.6/36

In: 2448.529+/-215.934 χ^2/NDF:39.8/39

Out: 2088.753+/-210.233 χ^2/NDF:26.4/44

All: 2263.829+/-150.633 χ^2/NDF: 67.6/84

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1112.418+/-0.279 χ^2/NDF: 16634.5/19

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

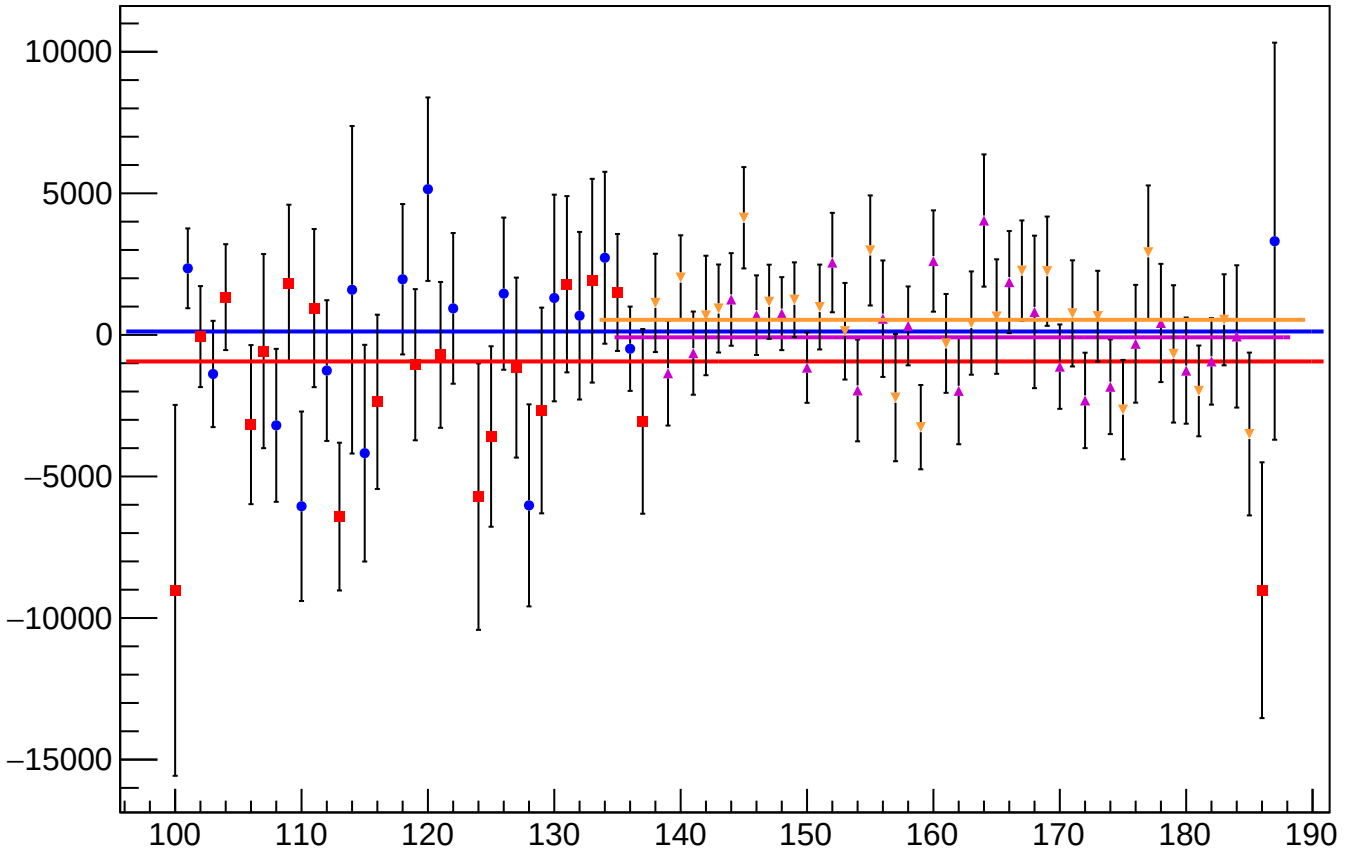
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1108.113+/-0.200 χ^2/NDF: 30524.4/36

In: 1096.256+/-0.153 χ^2/NDF:18047.0/39

Out: 1098.572+/-0.149 χ^2/NDF:24044.6/44

All: 1097.445+/-0.107 χ^2/NDF: 42209.7/84



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -937.621+/-630.728 χ^2/NDF: 18.3/19

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

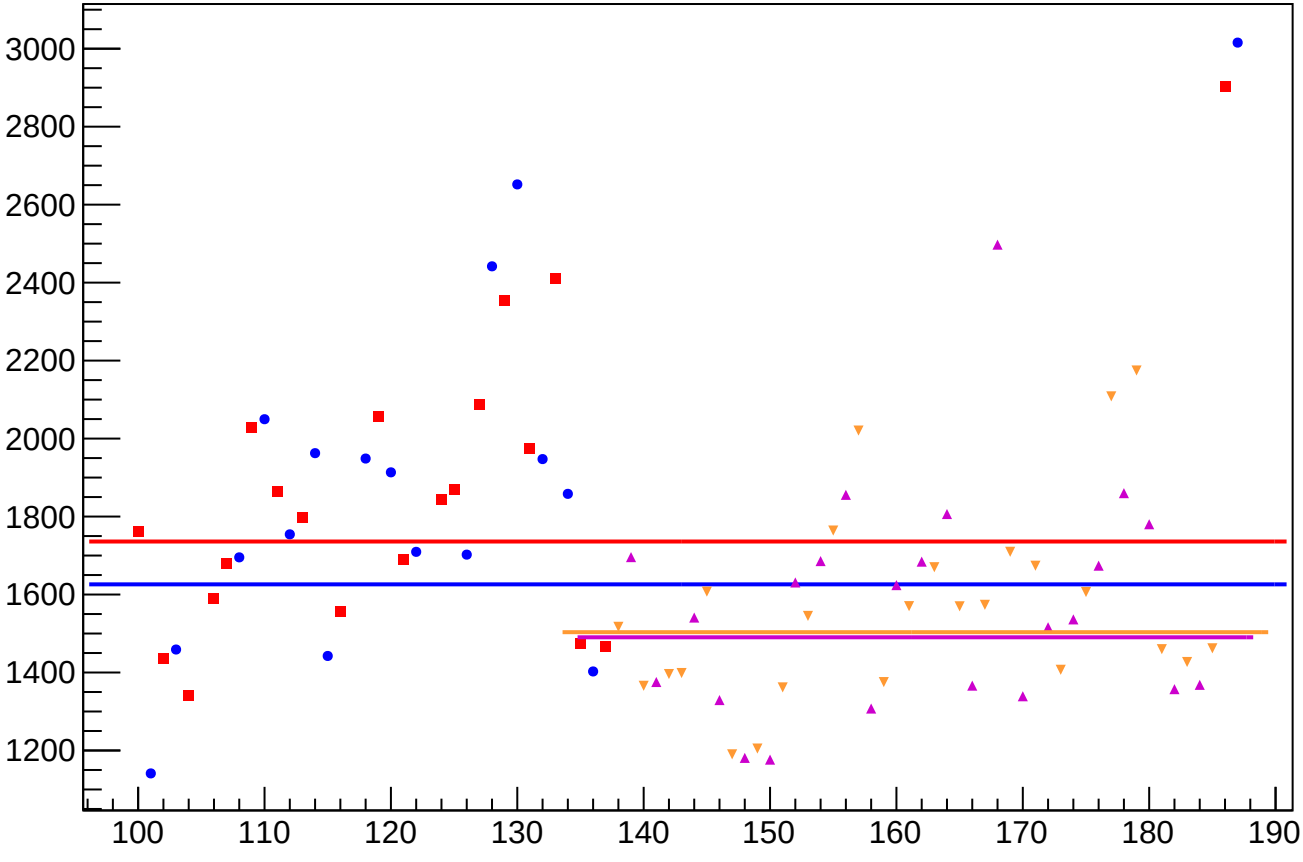
Right: -395.694+/-440.585 χ^2/NDF: 36.9/36

In: -34.150+/-306.848 χ^2/NDF:35.3/39

Out: 190.954+/-304.176 χ^2/NDF:48.9/44

All: 79.386+/-216.024 χ^2/NDF: 84.5/84

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1735.984+/-0.446 χ^2/NDF: 564017.2/19

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

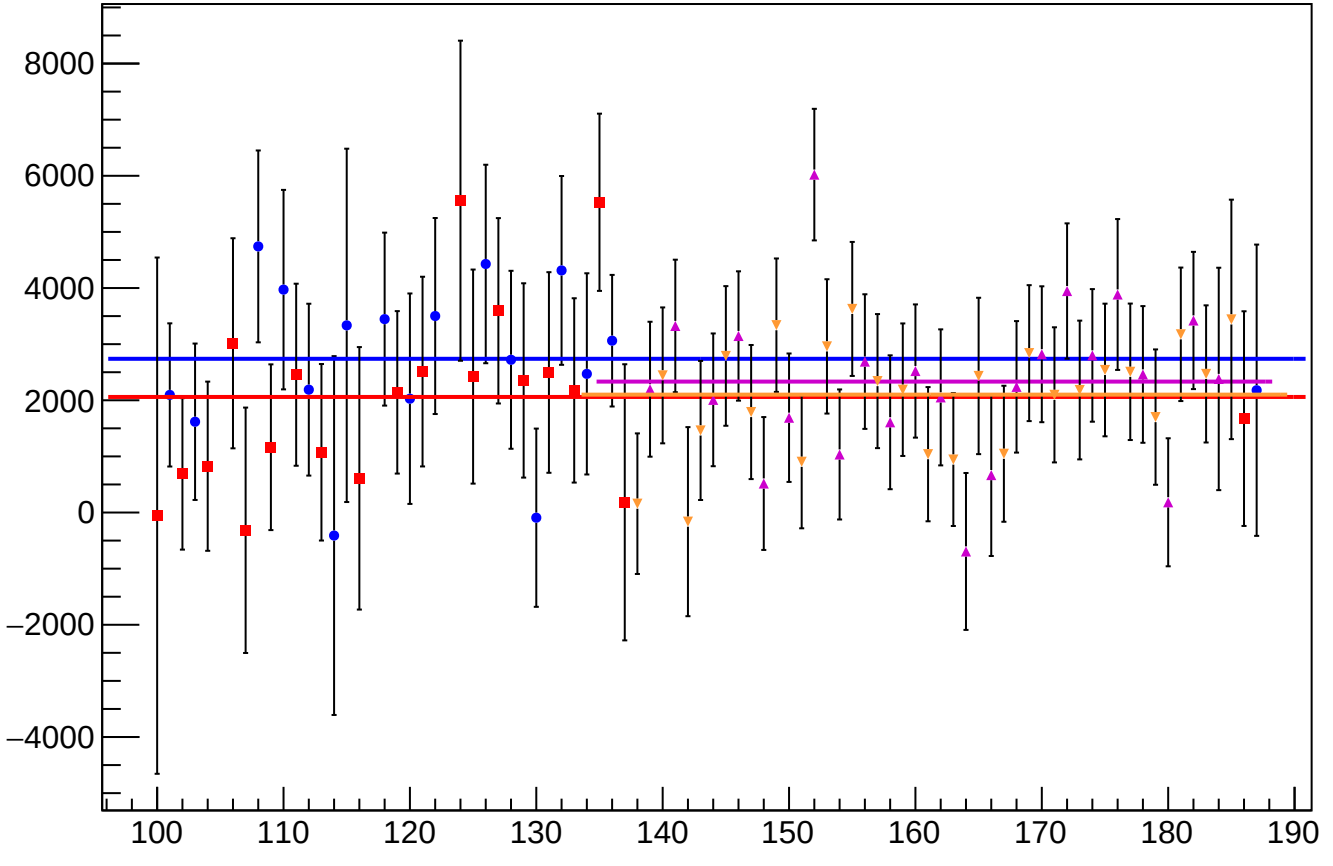
Right: 1679.724+/-0.312 χ^2/NDF: 1367866.2/36

In: 1524.042+/-0.217 χ^2/NDF:1814118.9/39

Out: 1557.522+/-0.215 χ^2/NDF:1572330.8/44

All: 1540.929+/-0.153 χ^2/NDF: 3398458.5/84

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2059.270+/-395.087 χ^2/NDF: 12.6/19

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

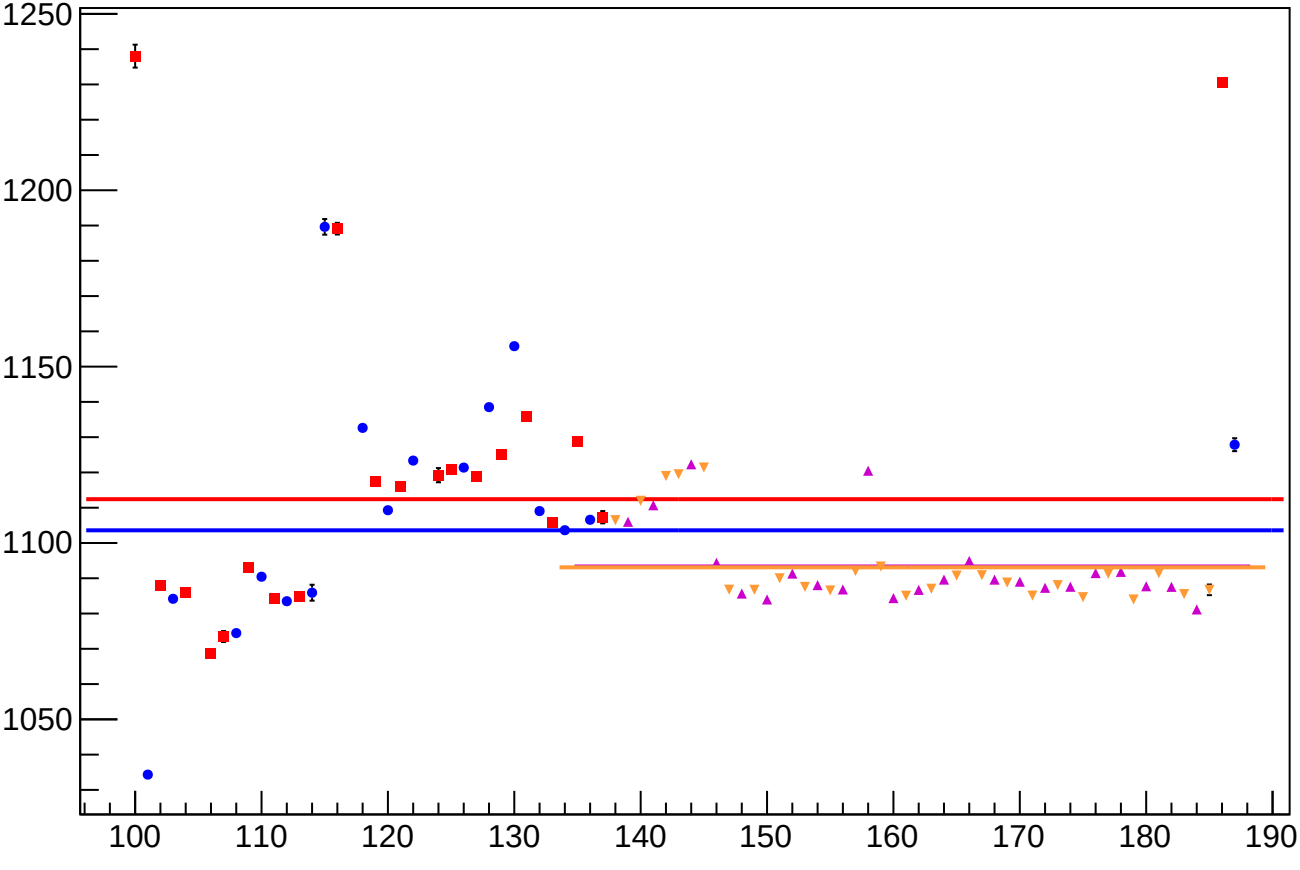
Right: 2390.942+/-282.747 χ^2/NDF: 23.6/36

In: 2448.529+/-215.934 χ^2/NDF:39.8/39

Out: 2088.753+/-210.233 χ^2/NDF:26.4/44

All: 2263.829+/-150.633 χ^2/NDF: 67.6/84

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1112.418+/-0.279 χ^2/NDF: 16634.5/19

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

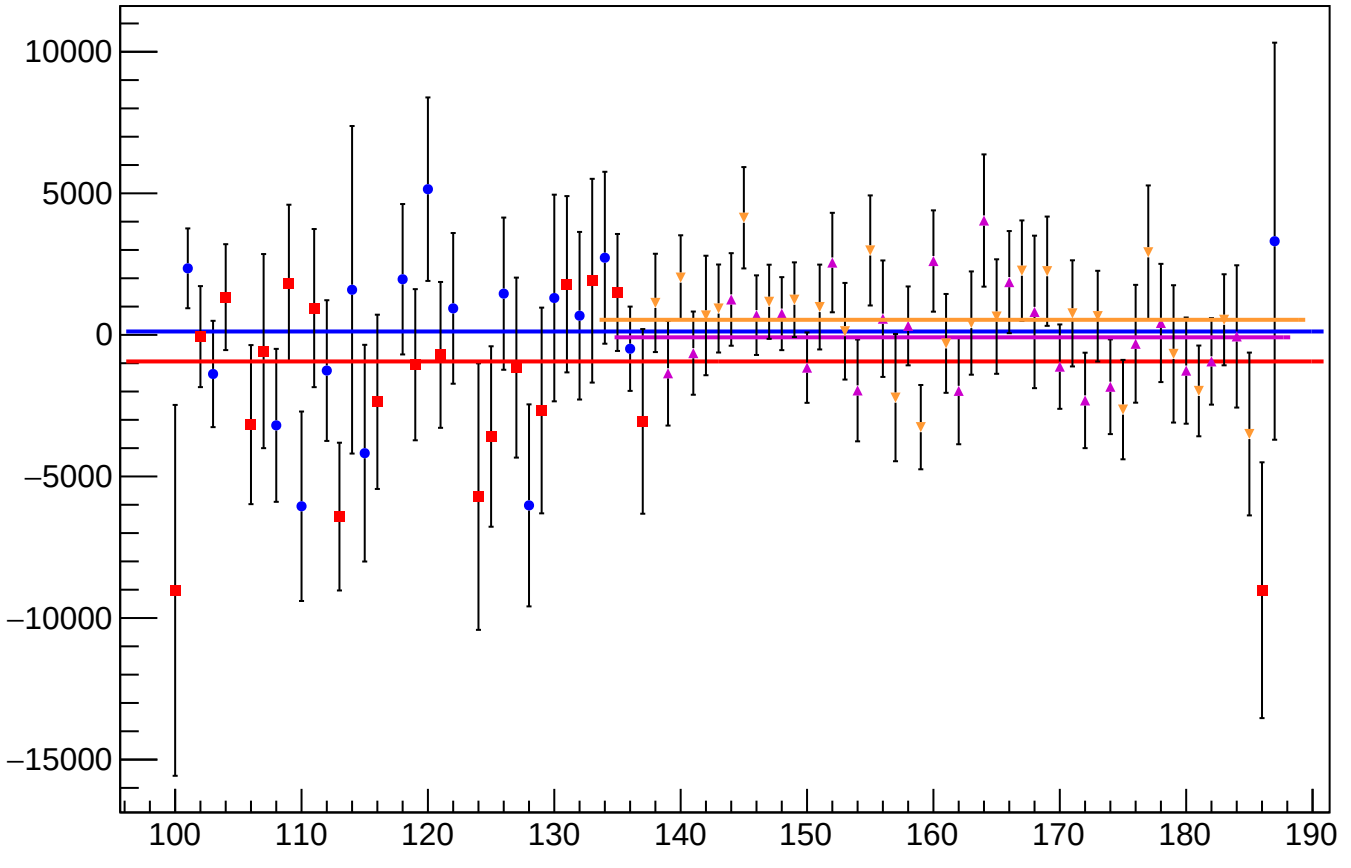
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1108.113+/-0.200 χ^2/NDF: 30524.4/36

In: 1096.256+/-0.153 χ^2/NDF:18047.0/39

Out: 1098.572+/-0.149 χ^2/NDF:24044.6/44

All: 1097.445+/-0.107 χ^2/NDF: 42209.7/84



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -937.621+/-630.728 χ^2/NDF: 18.3/19

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

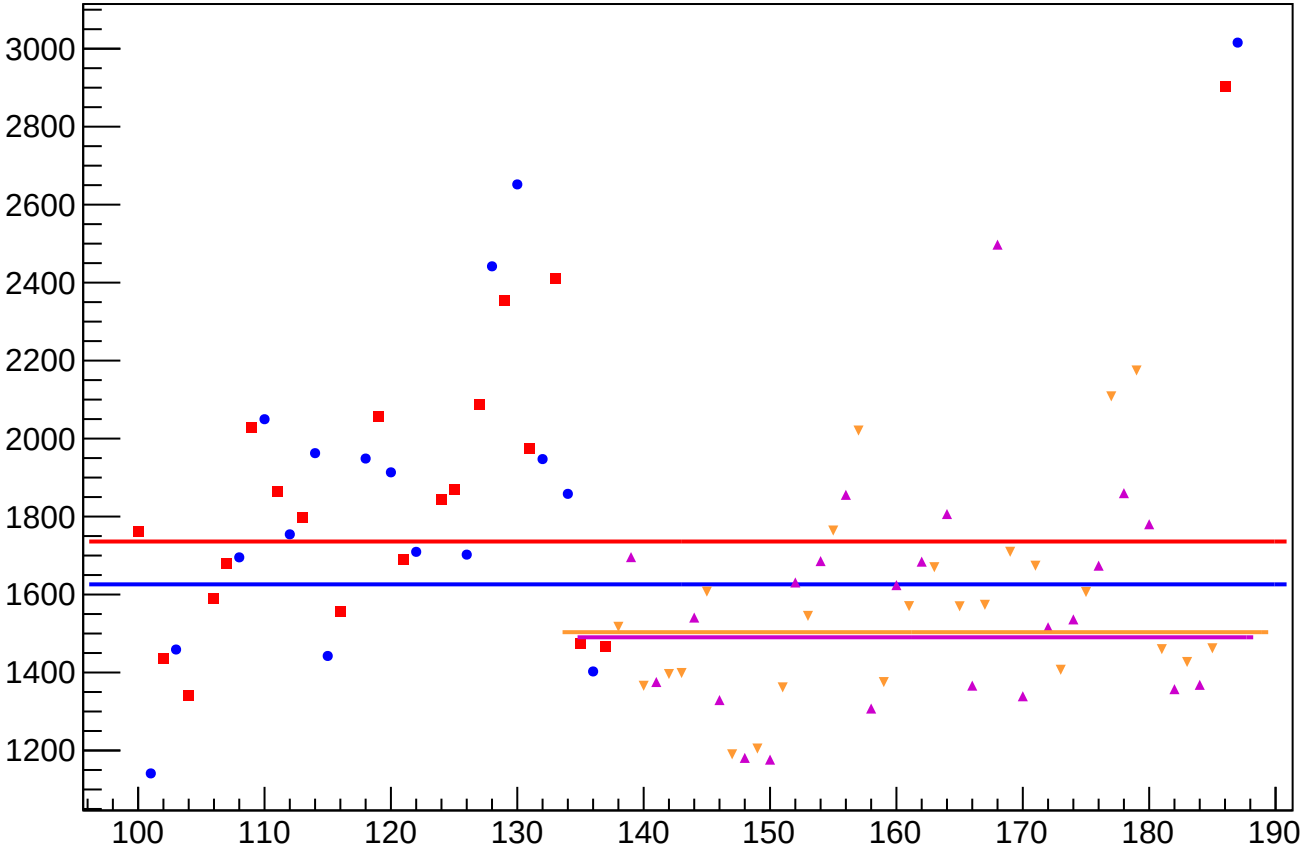
Right: -395.694+/-440.585 χ^2/NDF: 36.9/36

In: -34.150+/-306.848 χ^2/NDF:35.3/39

Out: 190.954+/-304.176 χ^2/NDF:48.9/44

All: 79.386+/-216.024 χ^2/NDF: 84.5/84

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1735.984+/-0.446 χ^2/NDF: 564017.2/19

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

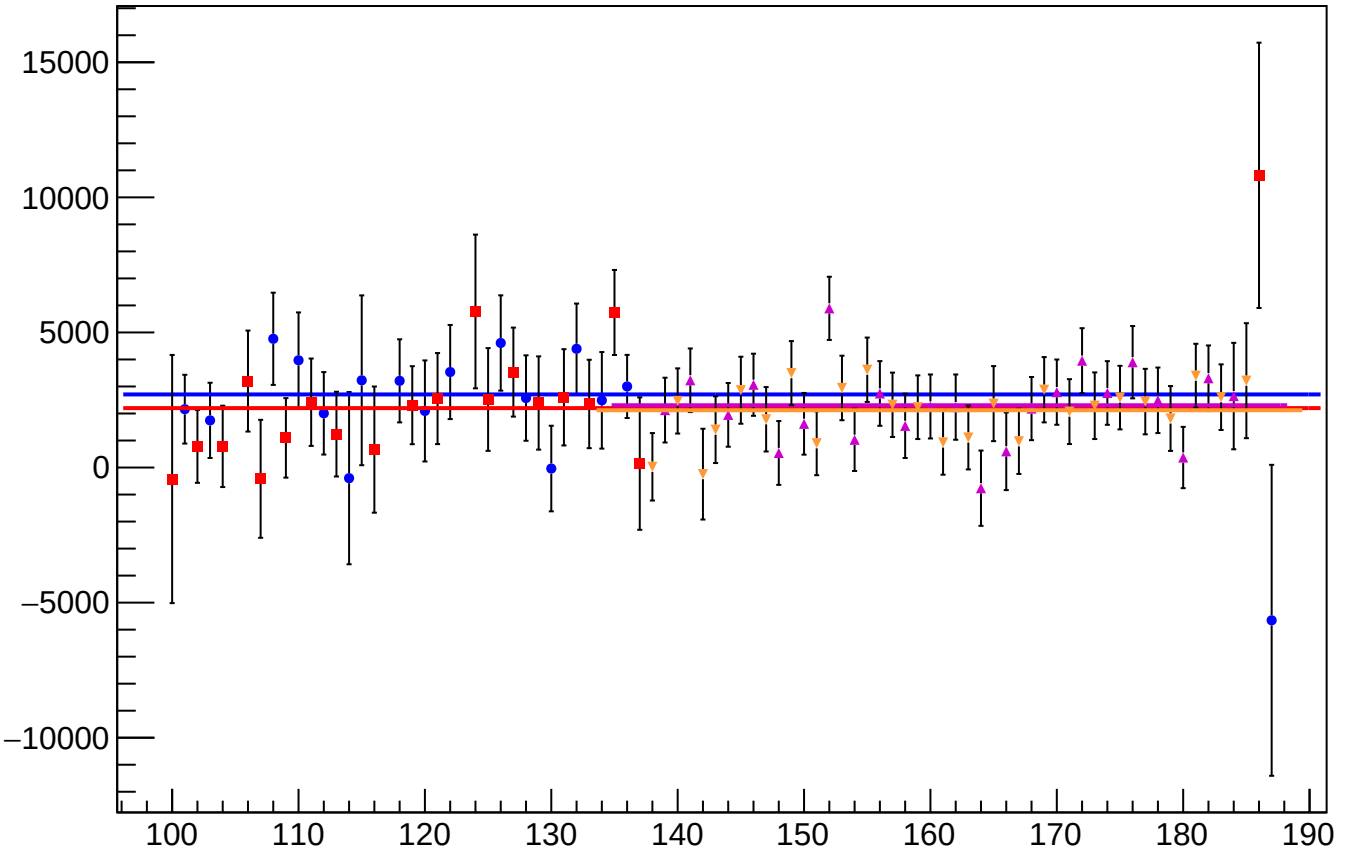
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1679.724+/-0.312 χ^2/NDF: 1367866.2/36

In: 1524.042+/-0.217 χ^2/NDF:1814118.9/39

Out: 1557.522+/-0.215 χ^2/NDF:1572330.8/44

All: 1540.929+/-0.153 χ^2/NDF: 3398458.5/84



Right In: 2705.760+/-407.732 χ^2/NDF: 11.6/16

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2199.149+/-401.440 χ^2/NDF: 16.7/19

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

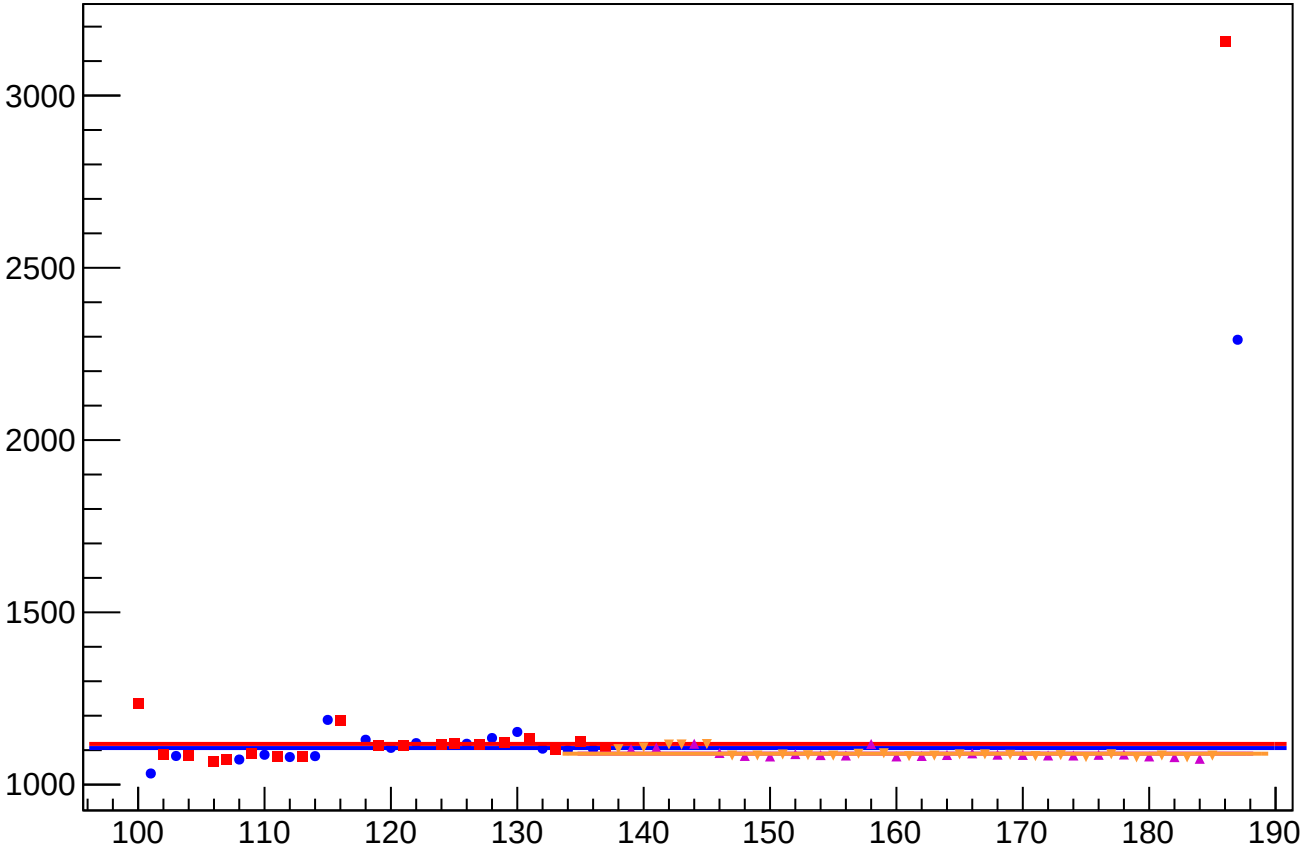
Right: 2448.515+/-286.060 χ^2/NDF: 29.1/36

In: 2417.656+/-215.893 χ^2/NDF:40.8/39

Out: 2141.786+/-210.705 χ^2/NDF:31.8/44

All: 2276.366+/-150.792 χ^2/NDF: 73.4/84

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1106.069+/-0.288 χ^2/NDF: 98316.7/16

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1118.115+/-0.284 χ^2/NDF: 355296.7/19

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

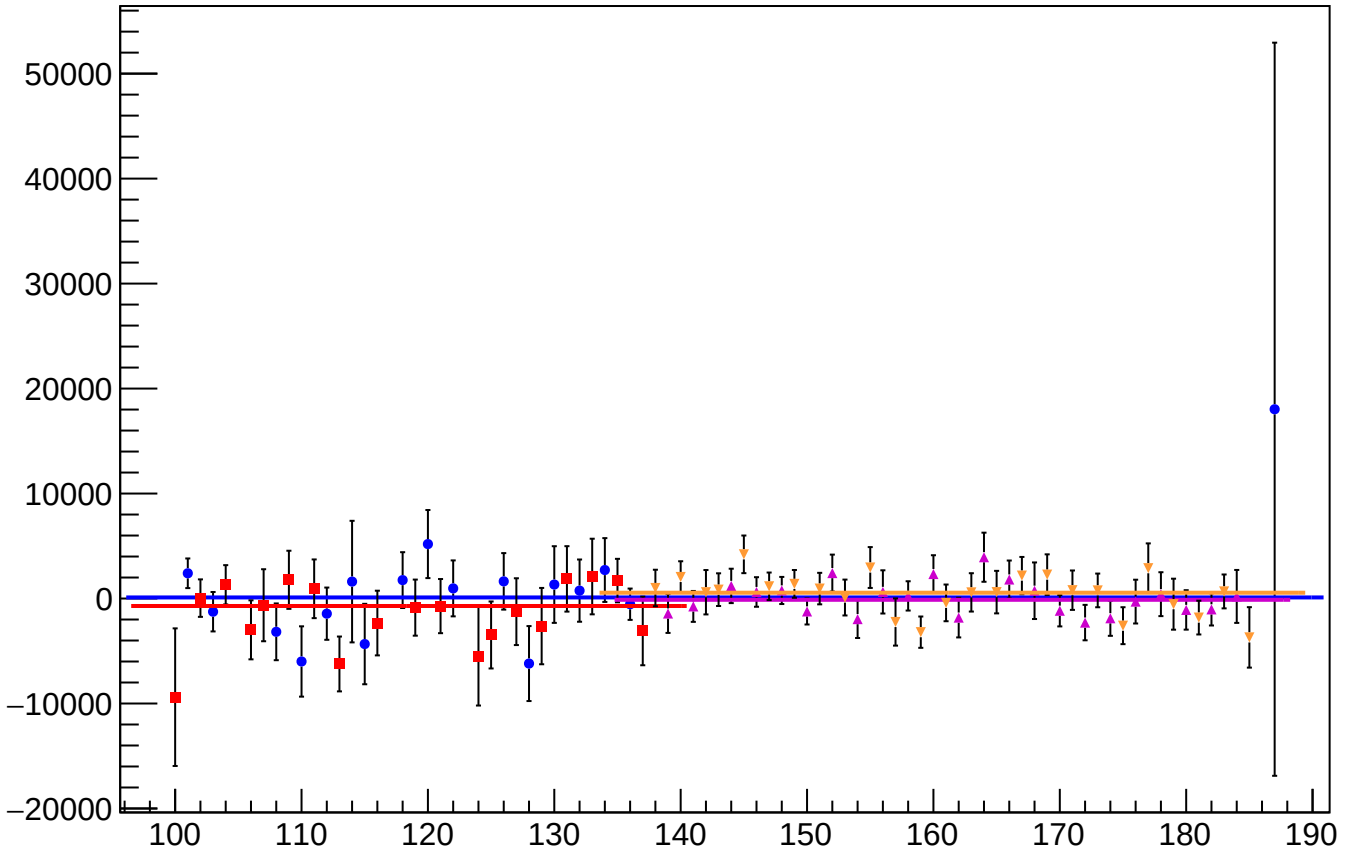
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1112.186+/-0.202 χ^2/NDF: 454499.8/36

In: 1094.480+/-0.153 χ^2/NDF:104458.2/39

Out: 1097.560+/-0.149 χ^2/NDF:366591.8/44

All: 1096.057+/-0.107 χ^2/NDF: 471258.5/84



Right In: 103.067+/-618.779 χ^2/NDF: 17.5/16

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

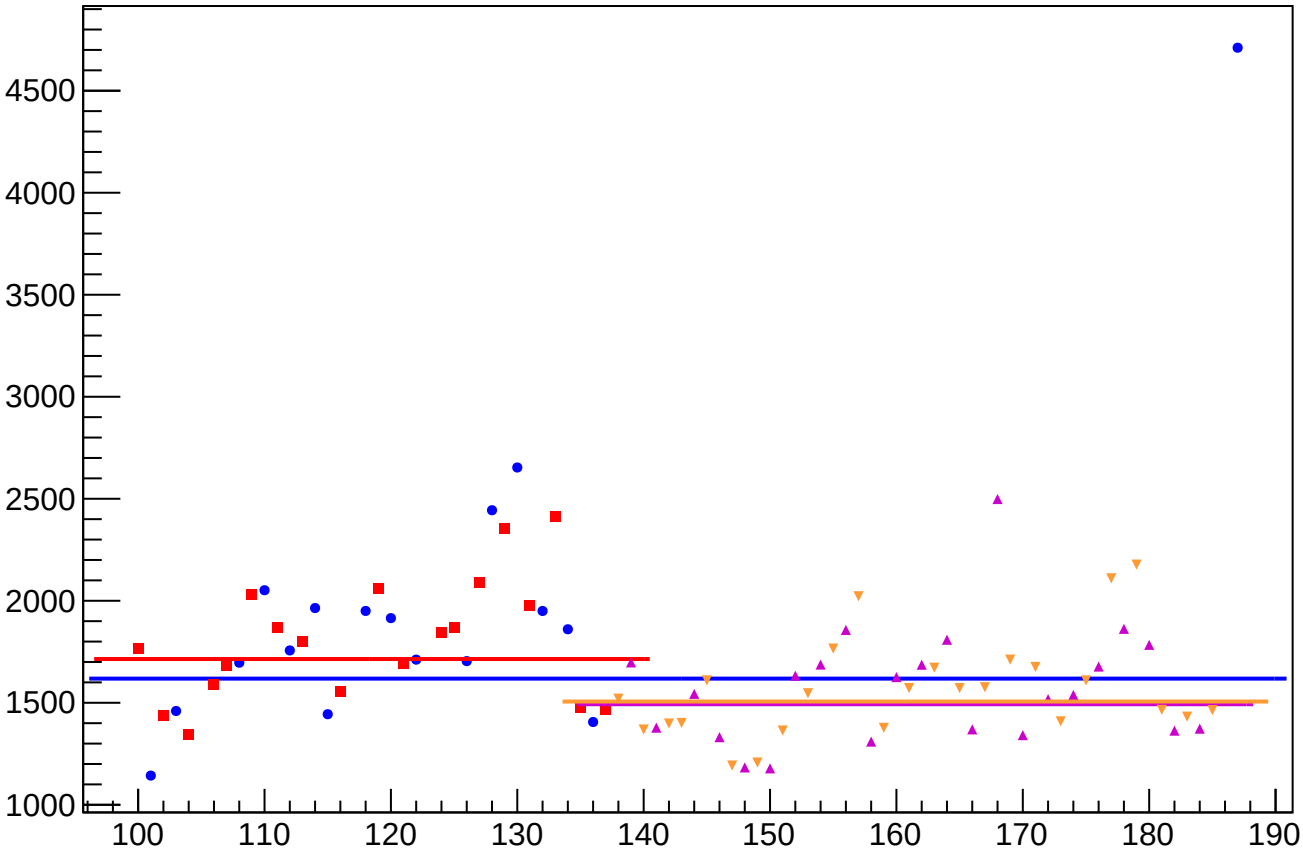
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -291.922+/-444.043 χ^2/NDF: 33.3/35

In: -65.938+/-307.623 χ^2/NDF:34.7/39

Out: 263.637+/-305.335 χ^2/NDF:44.1/43

All: 100.079+/-216.709 χ^2/NDF: 79.4/83



Right In: 1618.462+/-0.438 χ^2/NDF: 707417.2/16

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

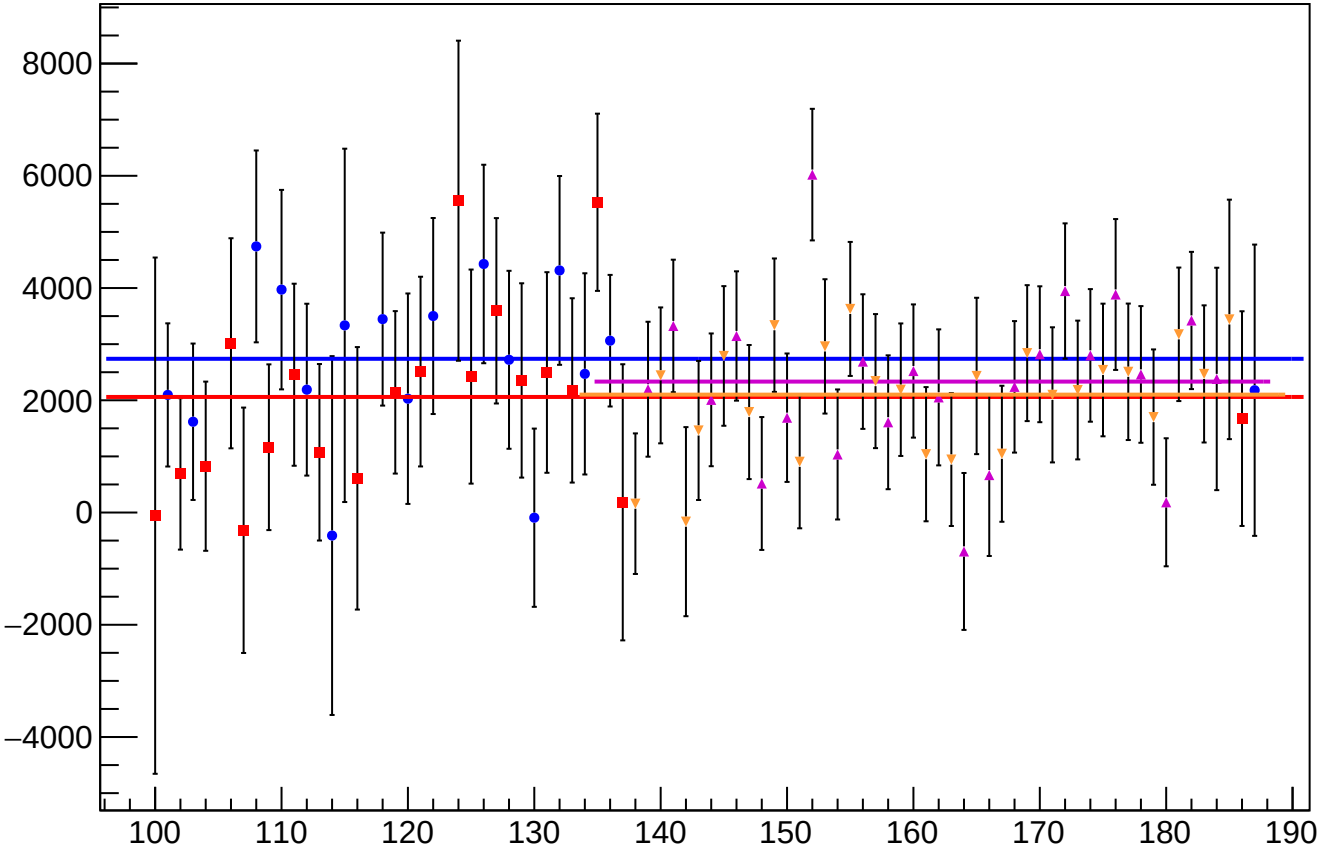
Right: 1665.048+/-0.314 χ^2/NDF: 1158498.3/35

In: 1523.990+/-0.218 χ^2/NDF:1733699.1/39

Out: 1553.898+/-0.216 χ^2/NDF:1388787.5/43

All: 1539.056+/-0.153 χ^2/NDF: 3132009.2/83

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2059.270+/-395.087 χ^2/NDF: 12.6/19

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

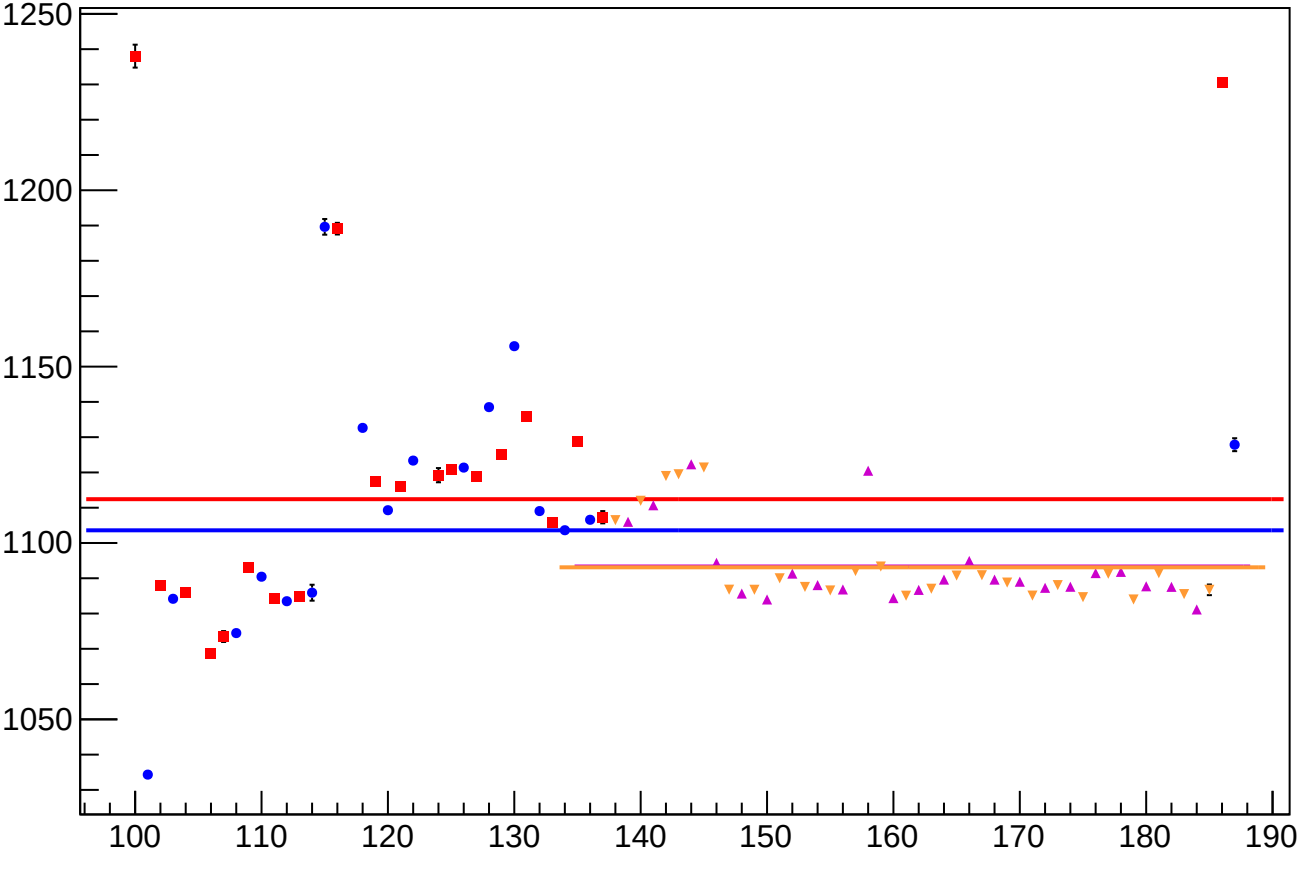
Right: 2390.942+/-282.747 χ^2/NDF: 23.6/36

In: 2448.529+/-215.934 χ^2/NDF:39.8/39

Out: 2088.753+/-210.233 χ^2/NDF:26.4/44

All: 2263.829+/-150.633 χ^2/NDF: 67.6/84

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1112.418+/-0.279 χ^2/NDF: 16634.5/19

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

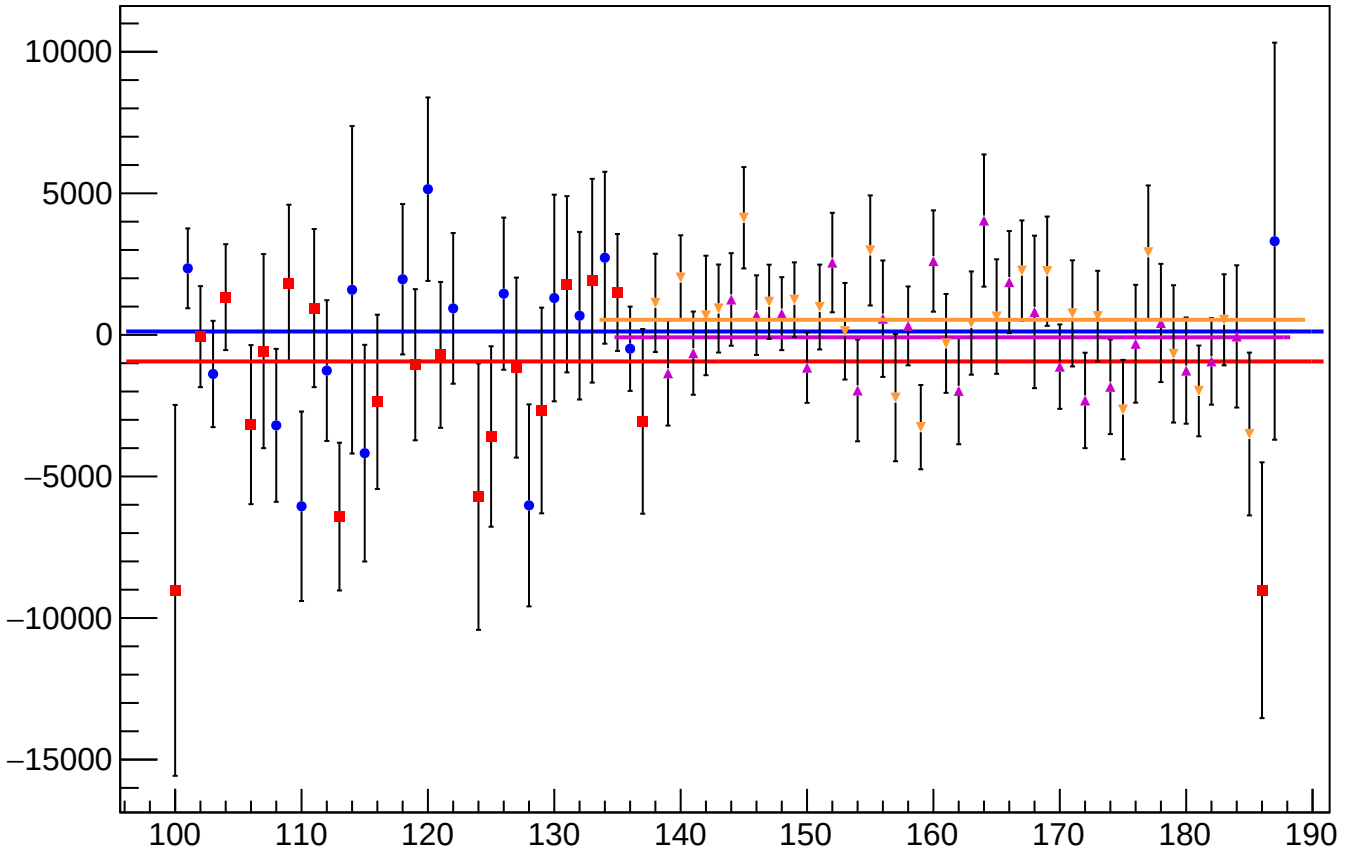
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1108.113+/-0.200 χ^2/NDF: 30524.4/36

In: 1096.256+/-0.153 χ^2/NDF:18047.0/39

Out: 1098.572+/-0.149 χ^2/NDF:24044.6/44

All: 1097.445+/-0.107 χ^2/NDF: 42209.7/84



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -937.621+/-630.728 χ^2/NDF: 18.3/19

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

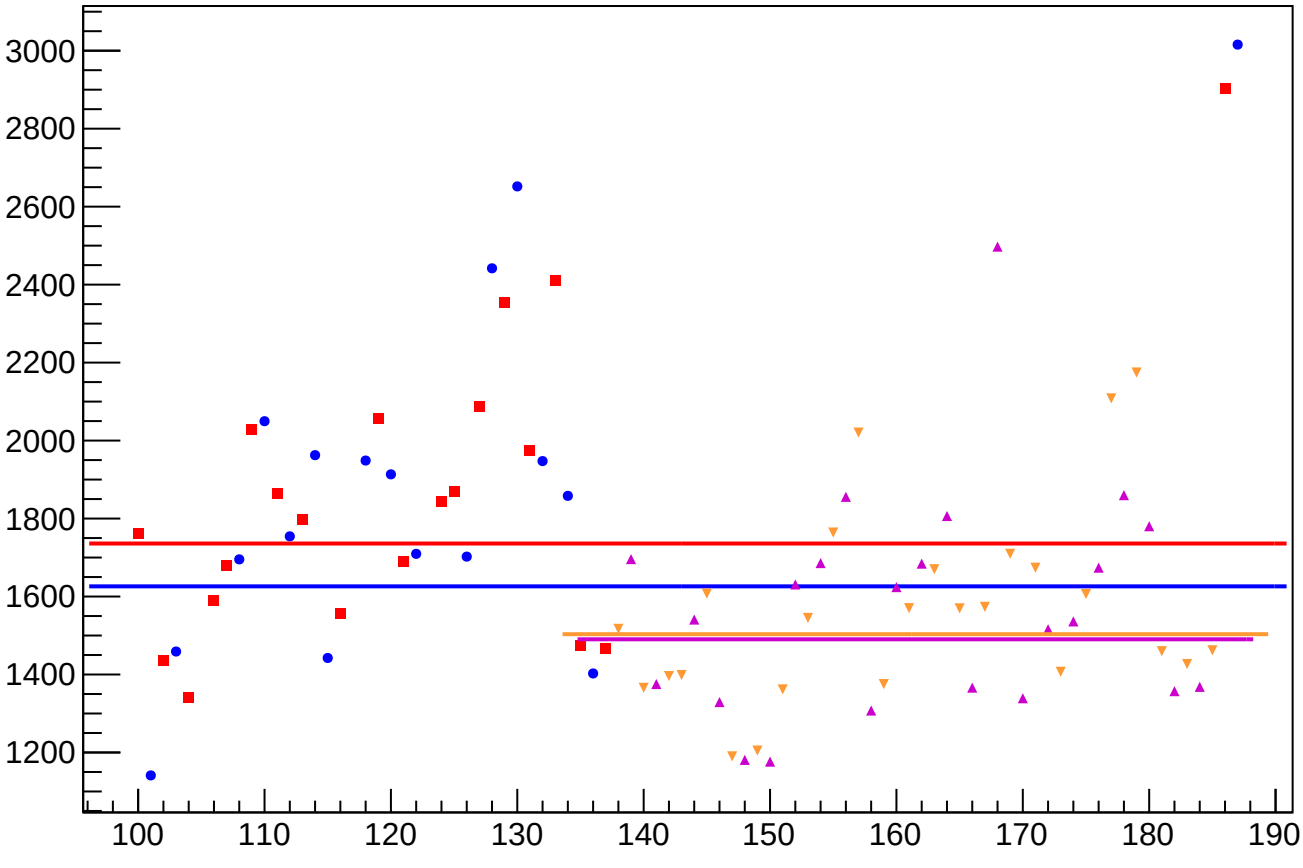
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -395.694+/-440.585 χ^2/NDF: 36.9/36

In: -34.150+/-306.848 χ^2/NDF:35.3/39

Out: 190.954+/-304.176 χ^2/NDF:48.9/44

All: 79.386+/-216.024 χ^2/NDF: 84.5/84



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1735.984+/-0.446 χ^2/NDF: 564017.2/19

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

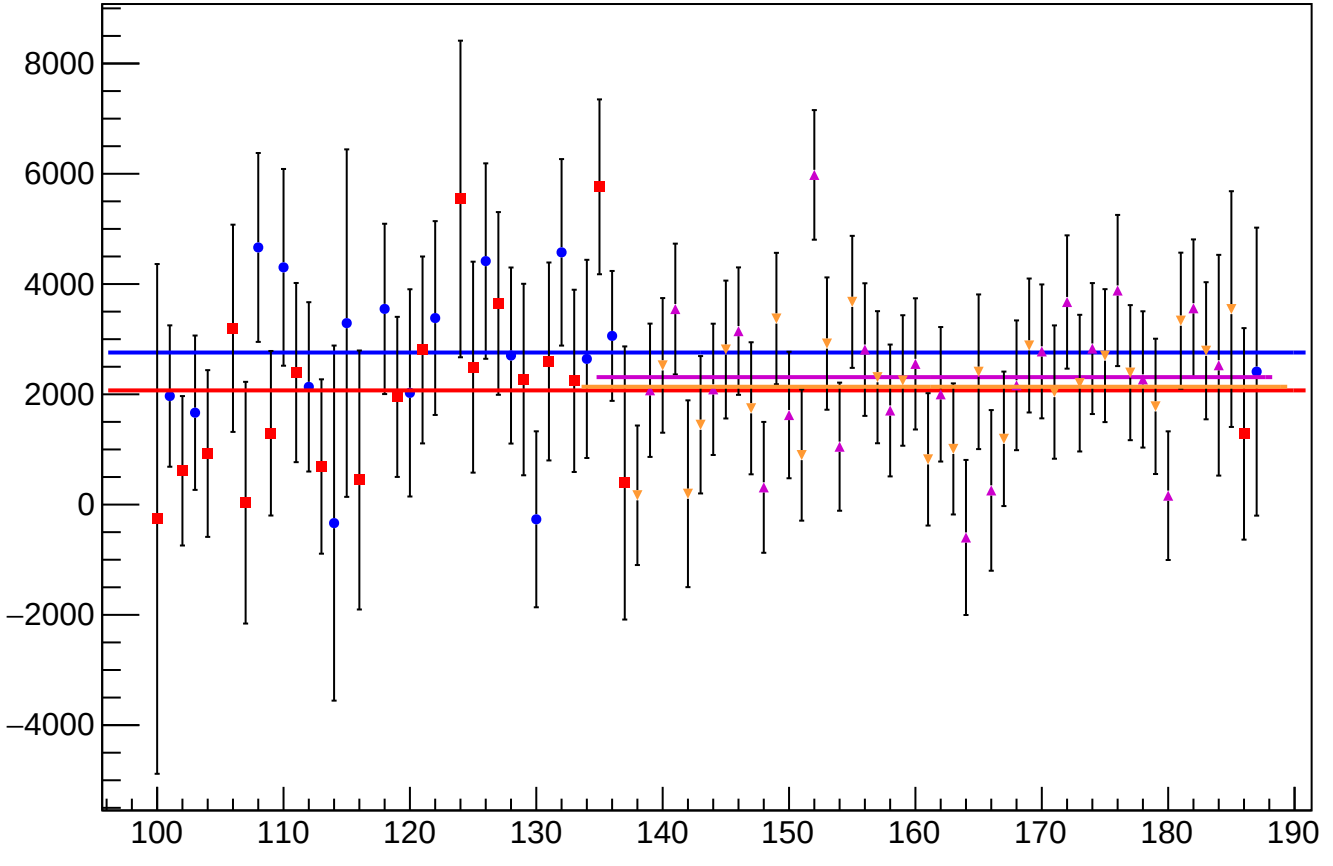
Right: 1679.724+/-0.312 χ^2/NDF: 1367866.2/36

In: 1524.042+/-0.217 χ^2/NDF:1814118.9/39

Out: 1557.522+/-0.215 χ^2/NDF:1572330.8/44

All: 1540.929+/-0.153 χ^2/NDF: 3398458.5/84

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2758.049+/-406.546 χ^2/NDF: 10.3/16

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2071.103+/-396.813 χ^2/NDF: 13.5/19

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

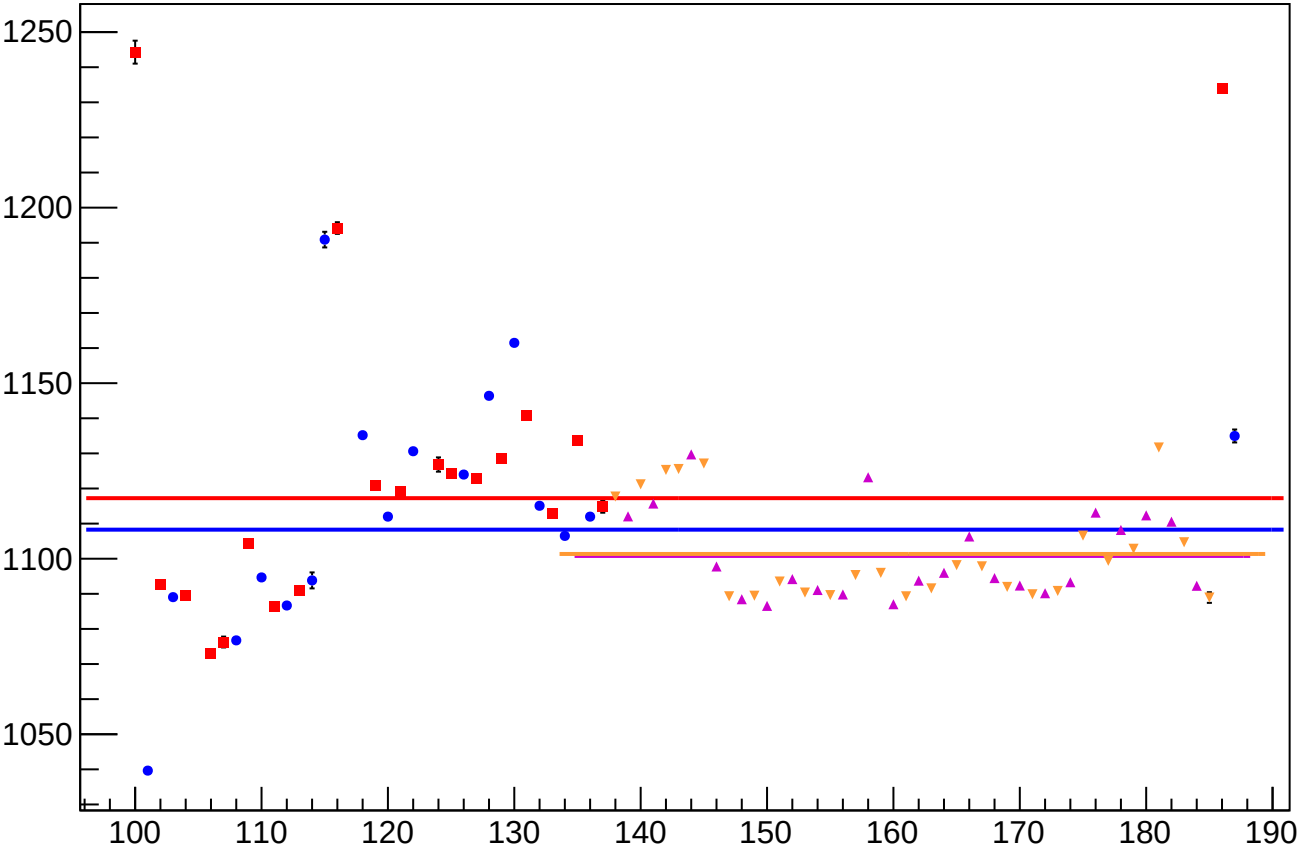
Right: 2406.254+/-283.968 χ^2/NDF: 25.3/36

In: 2439.210+/-217.256 χ^2/NDF:41.1/39

Out: 2118.387+/-211.639 χ^2/NDF:27.5/44

All: 2274.598+/-151.598 χ^2/NDF: 69.7/84

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1108.276+/-0.287 χ^2/NDF: 13434.8/16

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1117.247+/-0.281 χ^2/NDF: 16388.4/19

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

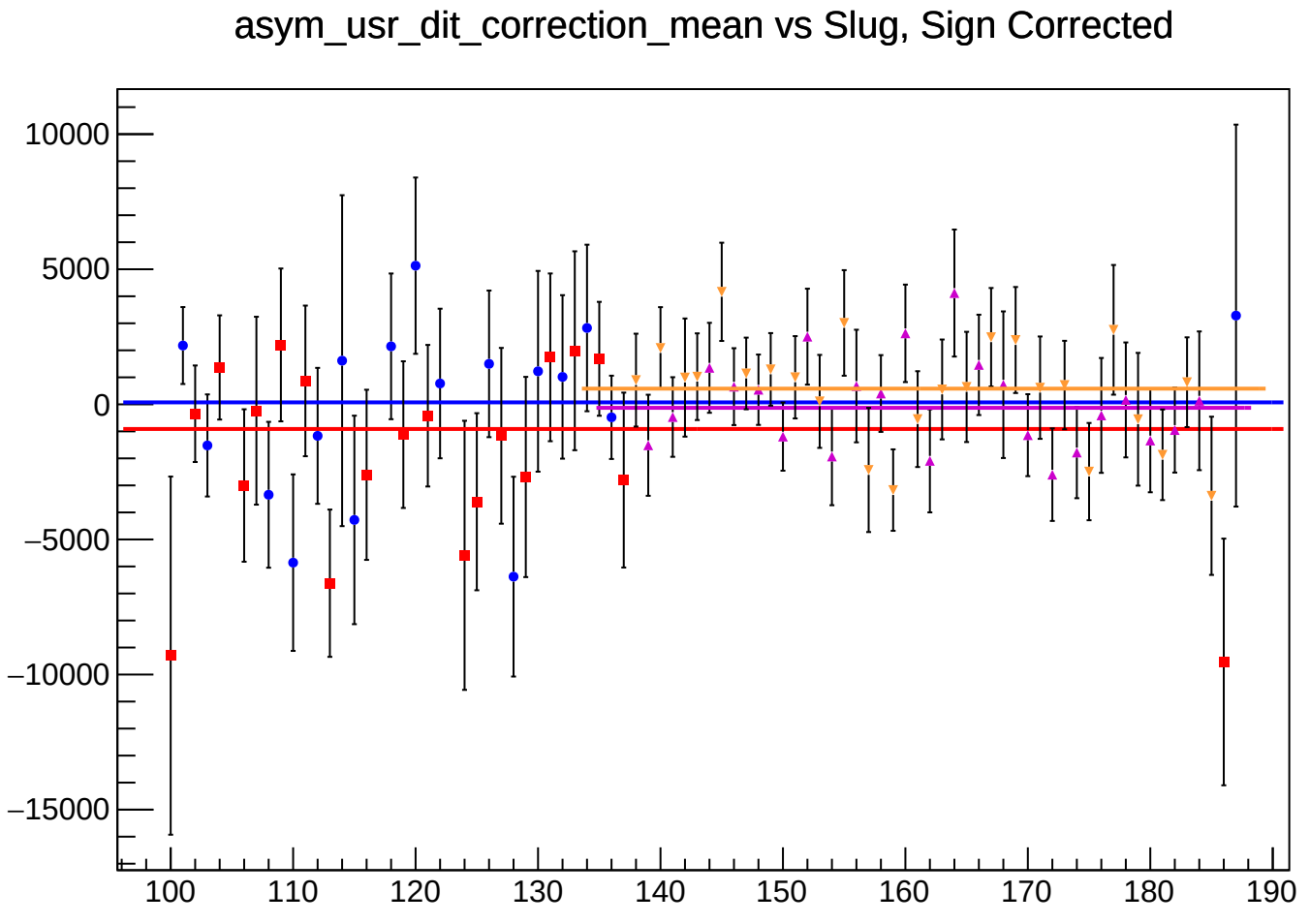
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1112.870+/-0.201 χ^2/NDF: 30321.9/36

In: 1102.930+/-0.154 χ^2/NDF:18560.6/39

Out: 1105.874+/-0.150 χ^2/NDF:24634.9/44

All: 1104.441+/-0.107 χ^2/NDF: 43384.1/84



Right In: 73.176+/-625.595 χ^2/NDF: 17.1/16

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -911.813+/-641.370 χ^2/NDF: 18.6/19

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

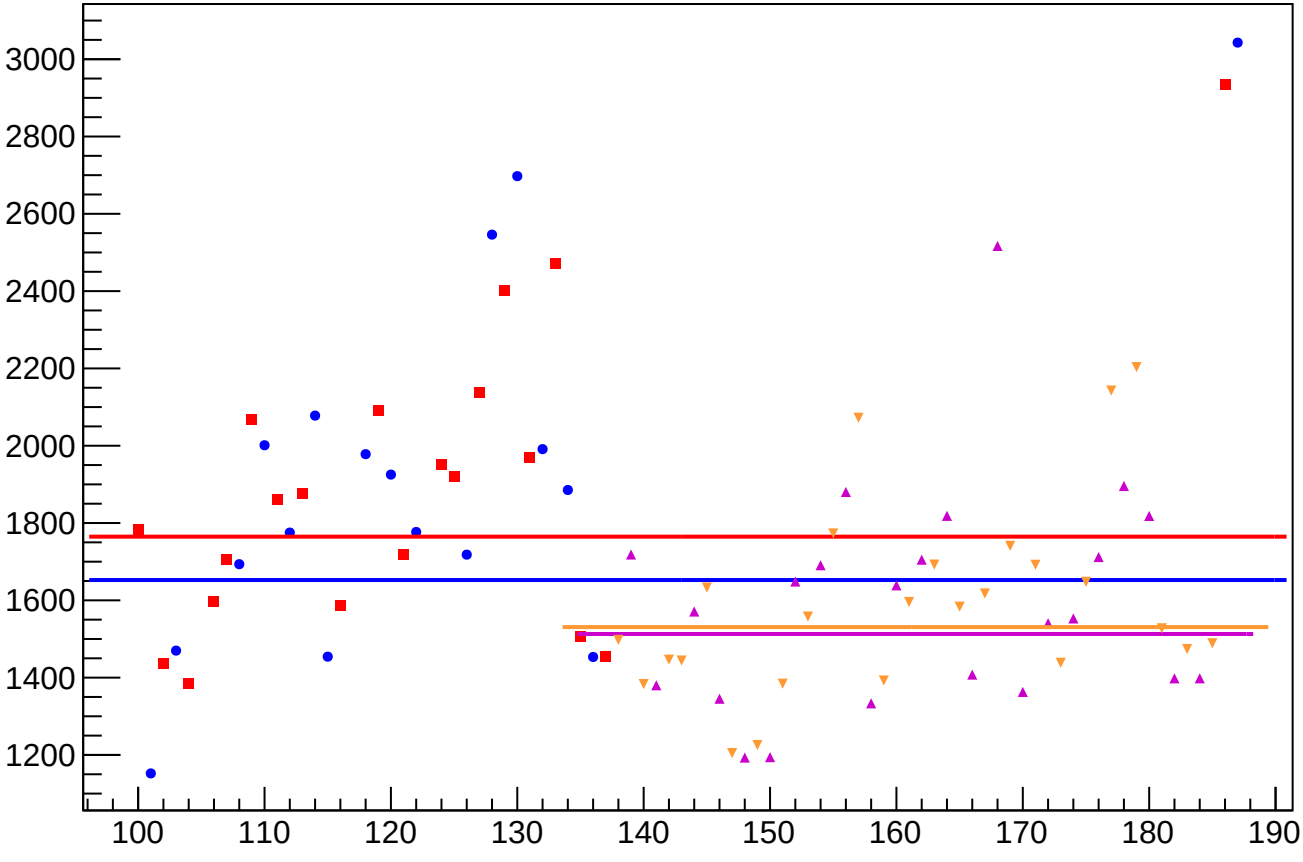
Right: -407.056+/-447.836 χ^2/NDF: 36.9/36

In: -78.715+/-311.457 χ^2/NDF:35.0/39

Out: 233.670+/-309.515 χ^2/NDF:48.1/44

All: 78.454+/-219.544 χ^2/NDF: 83.6/84

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1652.517+/-0.442 χ^2/NDF: 779324.3/16

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1764.735+/-0.454 χ^2/NDF: 572076.5/19

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

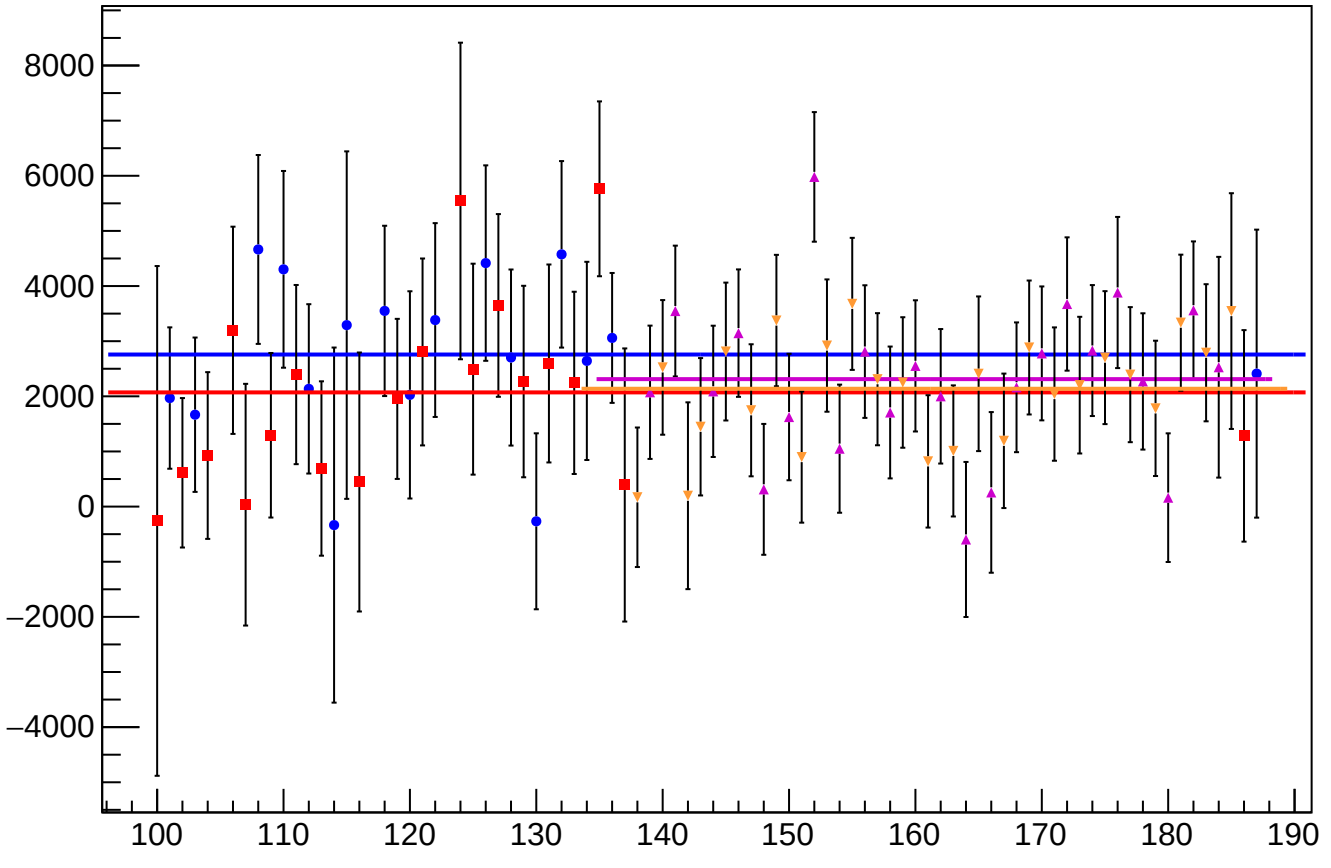
Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

Right: 1707.229+/-0.317 χ^2/NDF: 1382776.3/36

In: 1547.541+/-0.220 χ^2/NDF:1811256.7/39

Out: 1585.253+/-0.219 χ^2/NDF:1571882.5/44

All: 1566.515+/-0.155 χ^2/NDF: 3397892.1/84



Right In: 2758.048+/-406.546 χ^2/NDF: 10.3/16

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2071.106+/-396.813 χ^2/NDF: 13.5/19

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

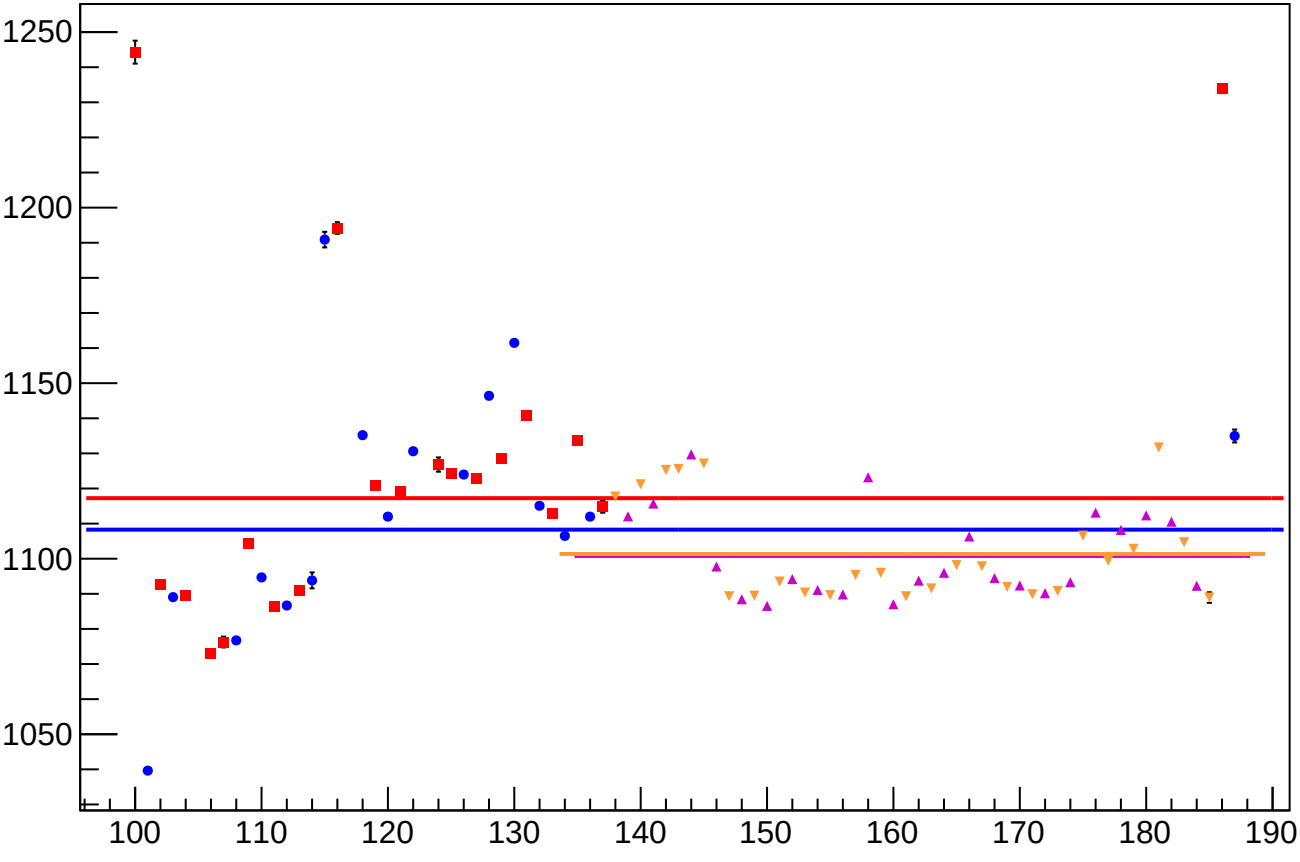
Right: 2406.255+/-283.968 χ^2/NDF: 25.3/36

In: 2439.210+/-217.256 χ^2/NDF:41.1/39

Out: 2118.386+/-211.639 χ^2/NDF:27.5/44

All: 2274.597+/-151.598 χ^2/NDF: 69.7/84

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1108.276+/-0.287 χ^2/NDF: 13434.7/16

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1117.247+/-0.281 χ^2/NDF: 16388.4/19

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

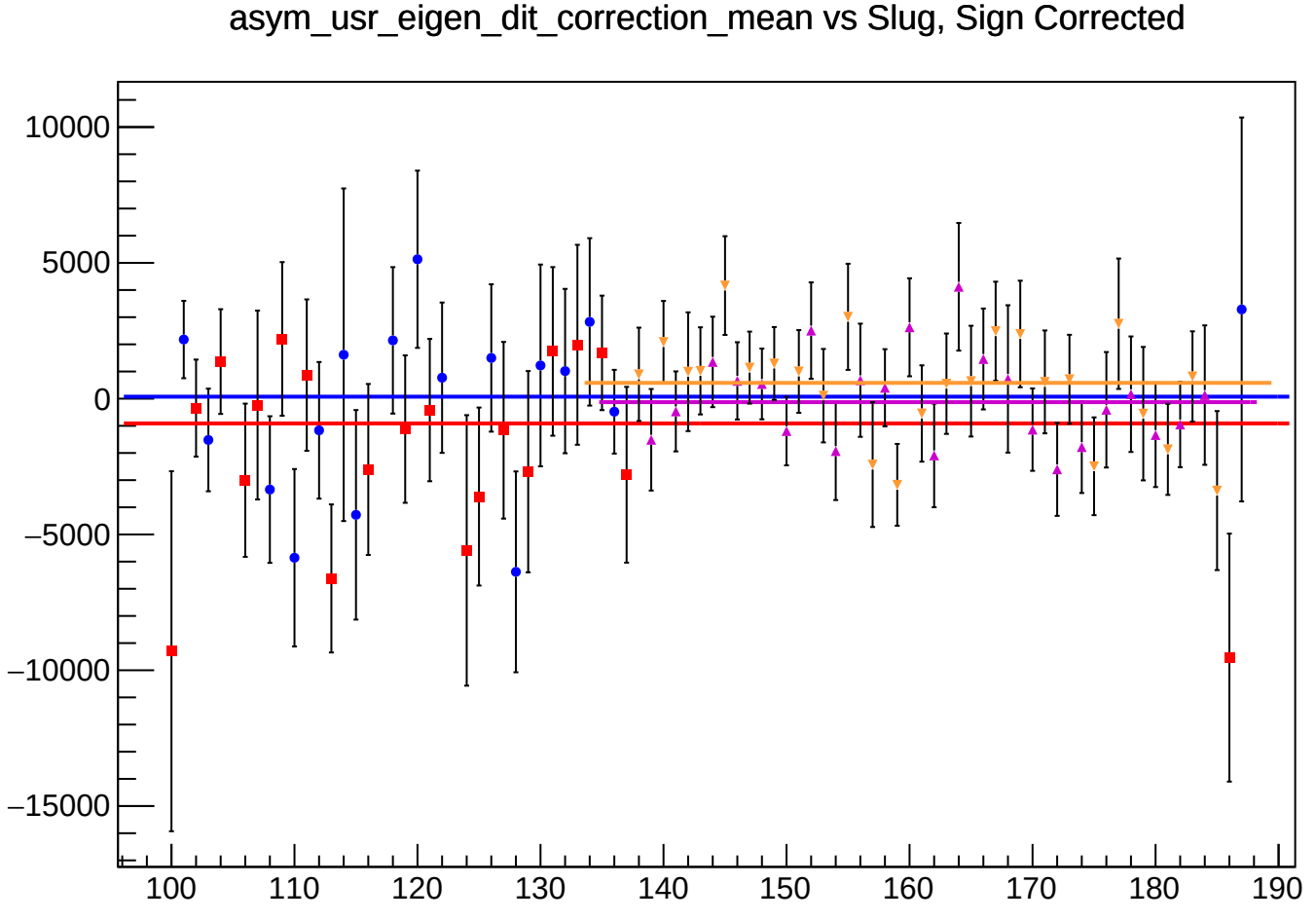
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1112.870+/-0.201 χ^2/NDF: 30321.8/36

In: 1102.930+/-0.154 χ^2/NDF:18560.5/39

Out: 1105.874+/-0.150 χ^2/NDF:24634.8/44

All: 1104.441+/-0.107 χ^2/NDF: 43383.8/84



Right In: 73.172+/-625.594 χ^2/NDF: 17.1/16

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -911.816+/-641.369 χ^2/NDF: 18.6/19

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

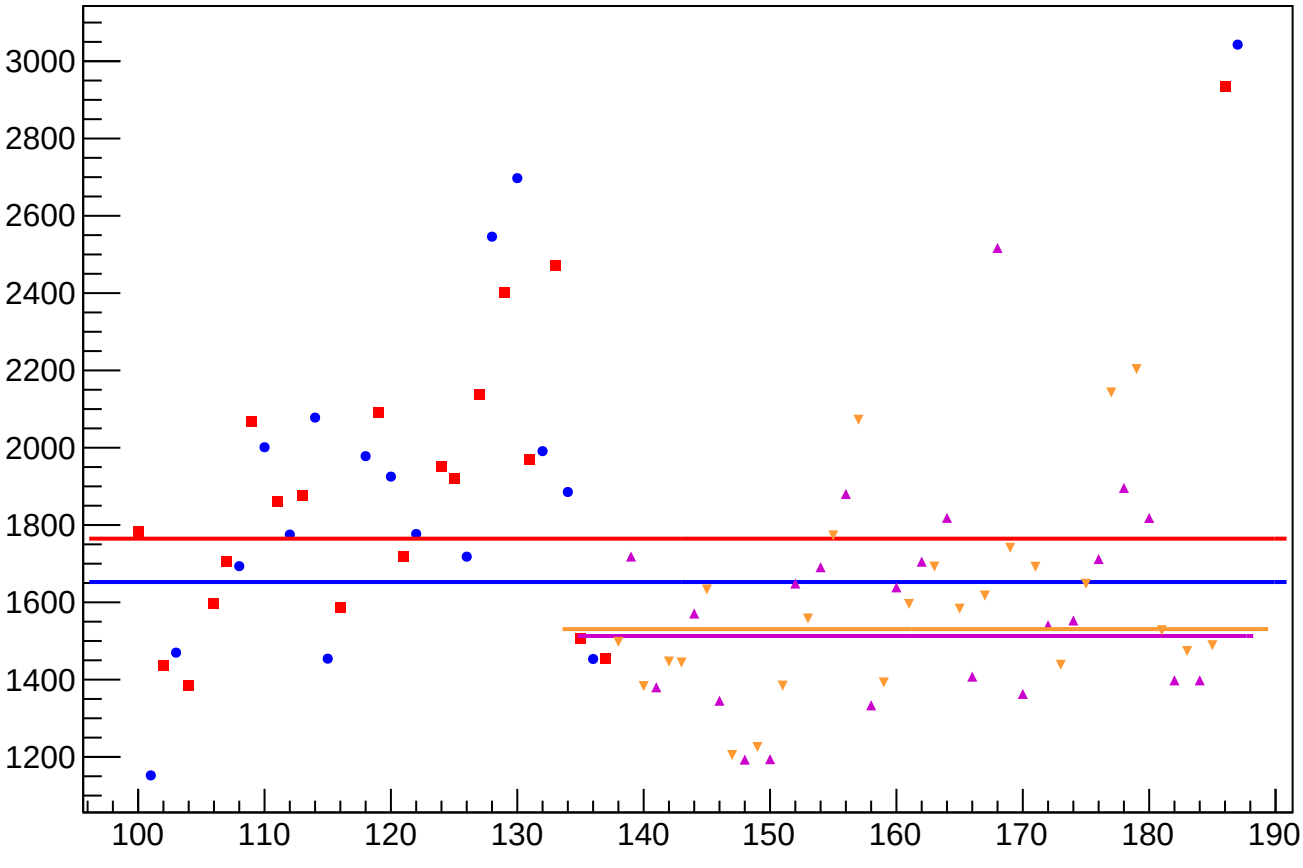
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -407.060+/-447.835 χ^2/NDF: 36.9/36

In: -78.716+/-311.458 χ^2/NDF:35.0/39

Out: 233.666+/-309.516 χ^2/NDF:48.1/44

All: 78.452+/-219.544 χ^2/NDF: 83.6/84



Right In: 1652.515+/-0.442 χ^2/NDF: 779311.6/16

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 1764.734+/-0.454 χ^2/NDF: 572064.1/19

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

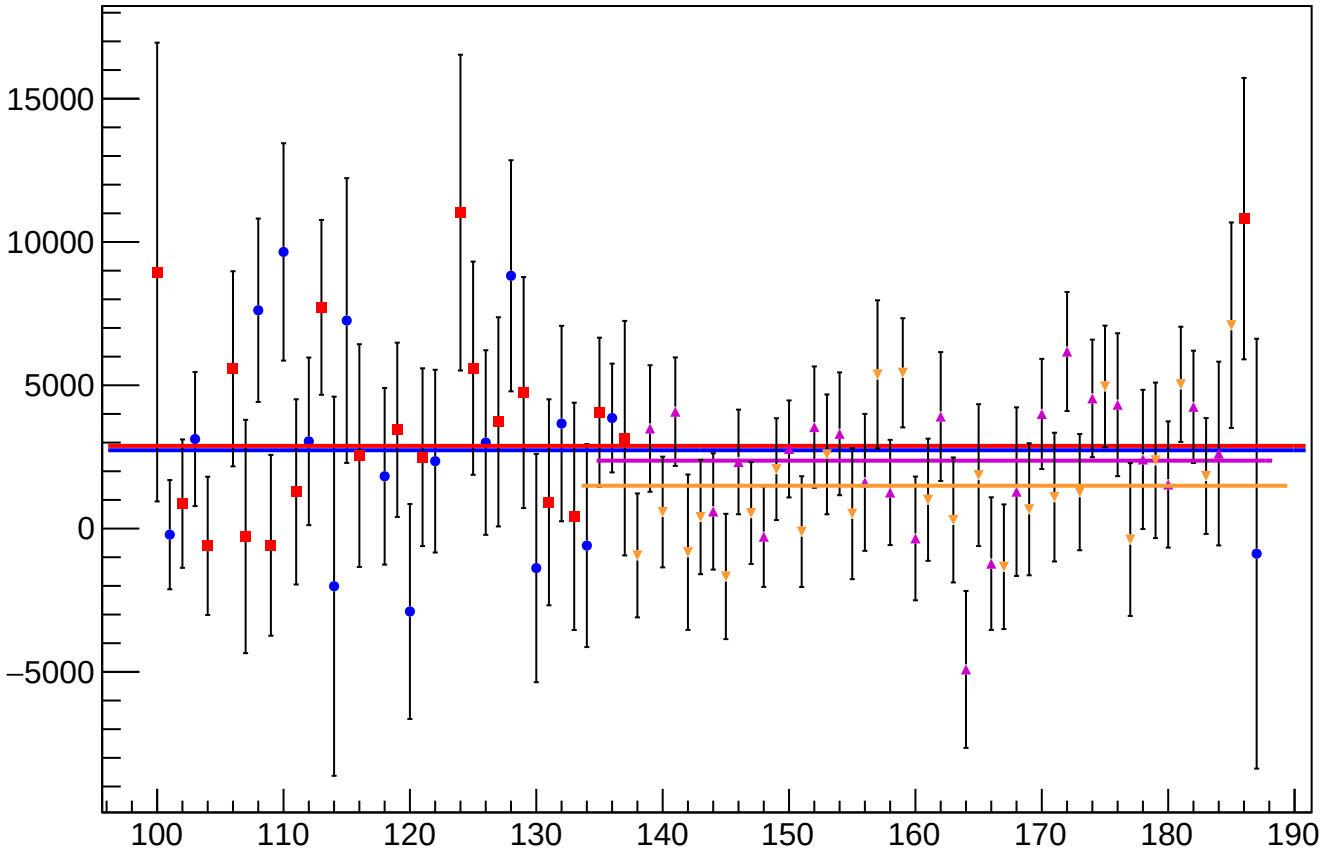
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1707.227+/-0.317 χ^2/NDF: 1382751.7/36

In: 1547.544+/-0.220 χ^2/NDF:1811243.7/39

Out: 1585.256+/-0.219 χ^2/NDF:1571865.1/44

All: 1566.518+/-0.155 χ^2/NDF: 3397862.0/84



Right In: 2733.178+/-753.281 χ^2/NDF: 16.7/16

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 2885.490+/-756.608 χ^2/NDF: 15.2/19

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

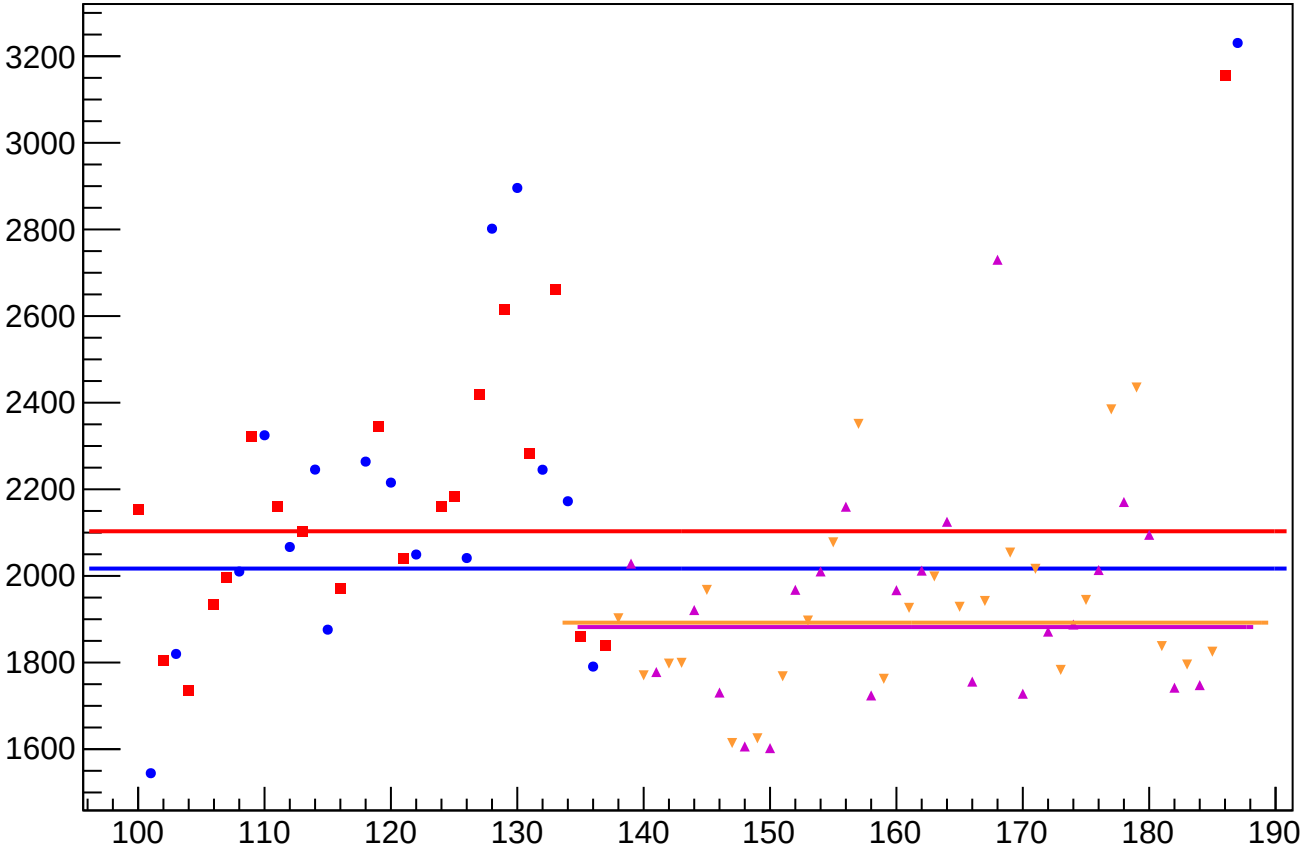
Right: 2808.998+/-533.823 χ^2/NDF: 31.9/36

In: 2463.829+/-381.830 χ^2/NDF:40.5/39

Out: 1838.303+/-375.938 χ^2/NDF:41.5/44

All: 2146.203+/-267.887 χ^2/NDF: 83.4/84

asym_usr_rms vs Slug, Sign Corrected



Right In: 2017.001+/-0.533 χ^2/NDF: 440461.5/16

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2103.103+/-0.535 χ^2/NDF: 324642.3/19

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

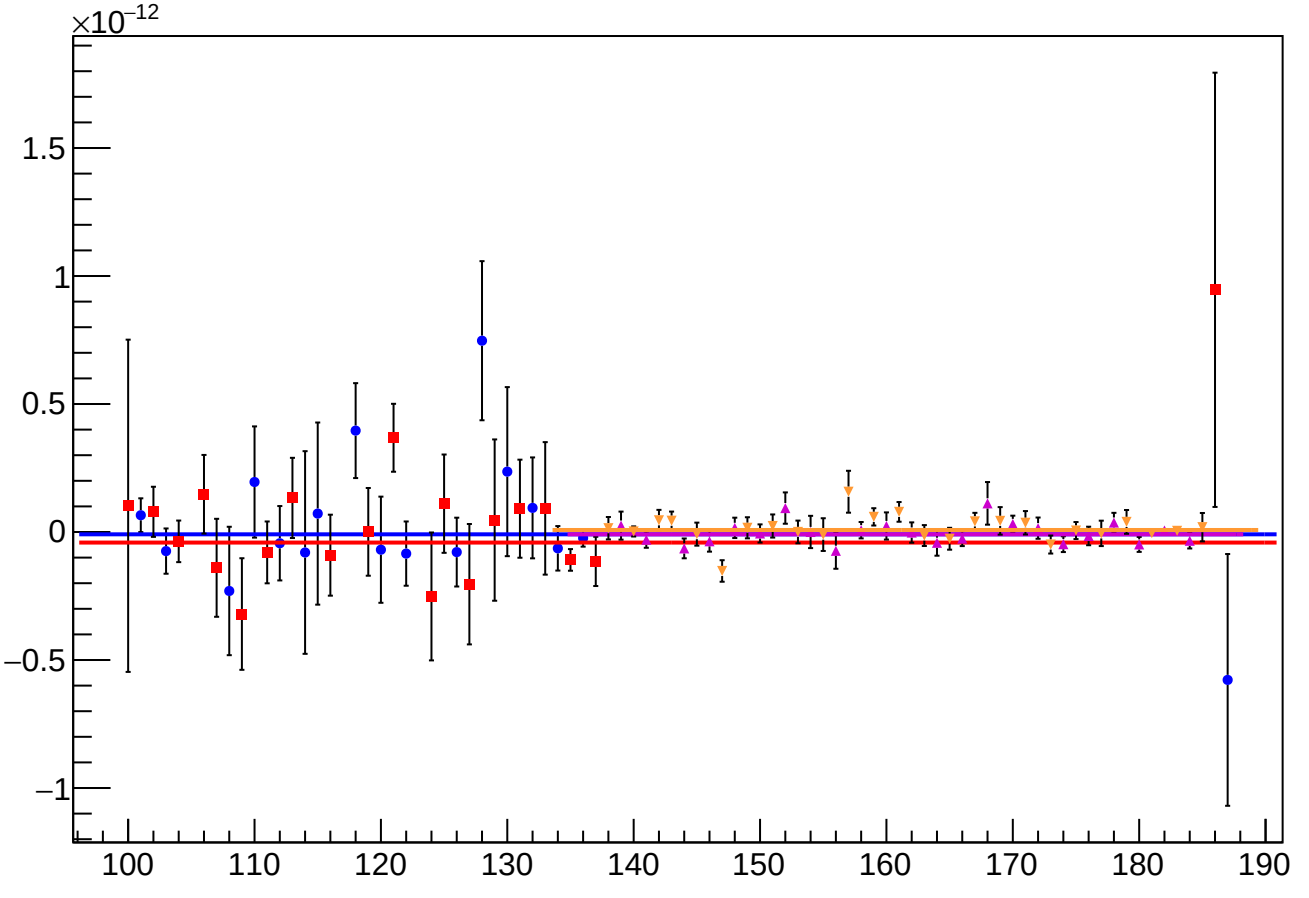
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2059.862+/-0.377 χ^2/NDF: 778111.3/36

In: 1916.606+/-0.270 χ^2/NDF:950930.4/39

Out: 1944.206+/-0.266 χ^2/NDF:831417.7/44

All: 1930.620+/-0.189 χ^2/NDF: 1787654.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/19

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

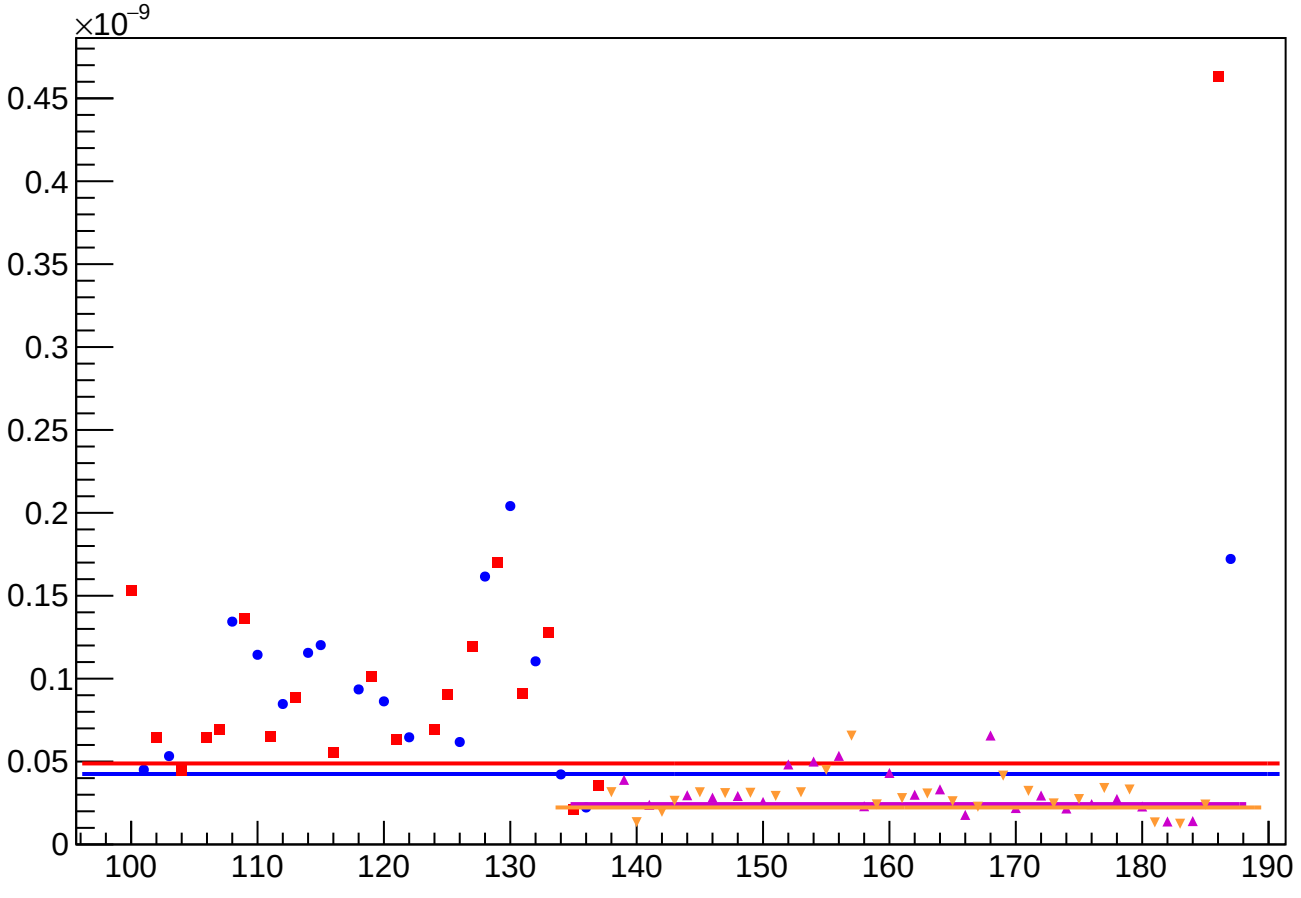
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 41.7/36

In: -0.000+/-0.000 χ^2/NDF:36.9/39

Out: 0.000+/-0.000 χ^2/NDF:58.6/44

All: -0.000+/-0.000 χ^2/NDF: 97.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 3073003.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3082274.4/19

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

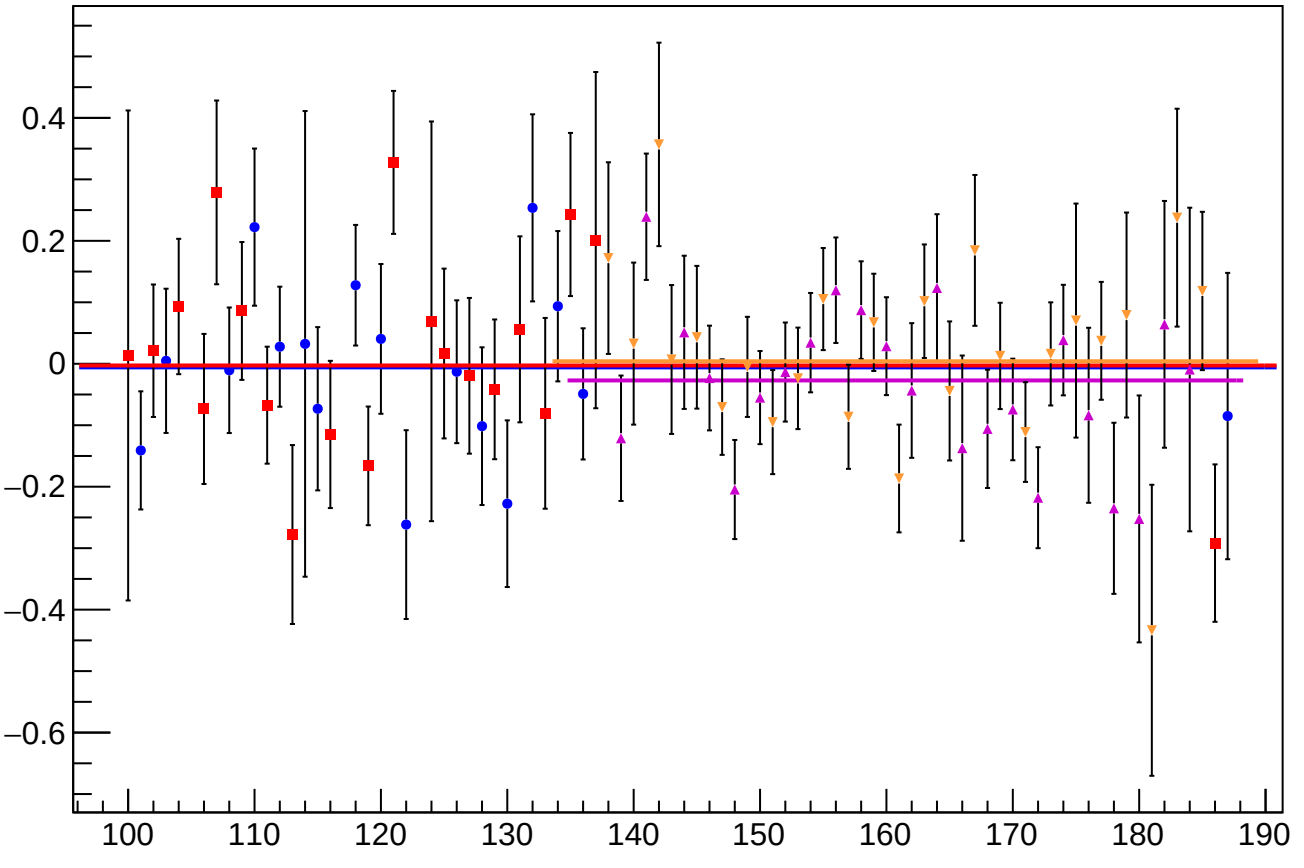
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6216616.1/36

In: 0.000+/-0.000 χ^2/NDF:7219402.1/39

Out: 0.000+/-0.000 χ^2/NDF:8526678.0/44

All: 0.000+/-0.000 χ^2/NDF: 15829811.5/84



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

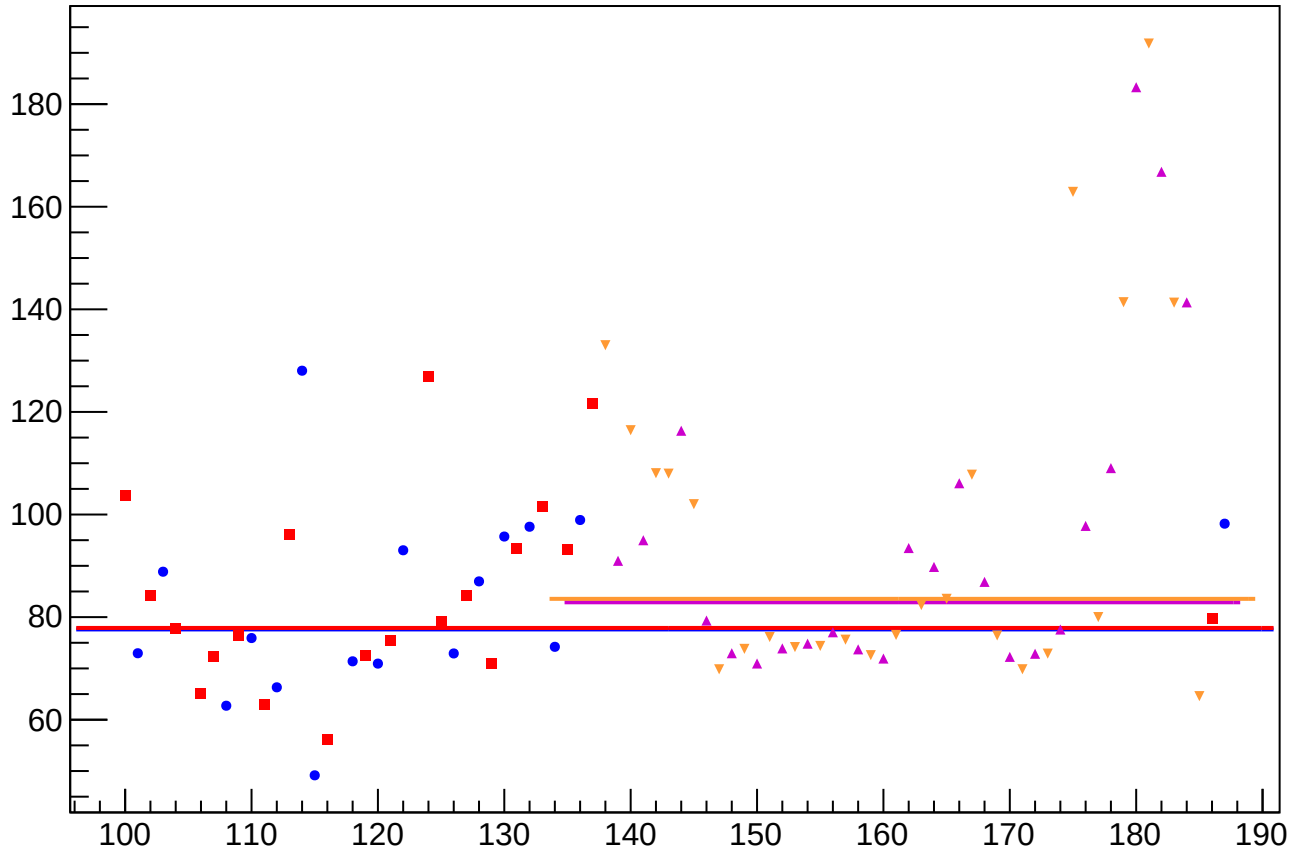
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.004+/-0.021 χ^2/NDF: 48.3/36

In: -0.020+/-0.017 χ^2/NDF:49.7/39

Out: 0.002+/-0.017 χ^2/NDF:59.0/44

All: -0.009+/-0.012 χ^2/NDF: 109.6/84



Right In: 77.602+/-0.021 χ^2/NDF: 435216.9/16

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 77.892+/-0.020 χ^2/NDF: 396886.1/19

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

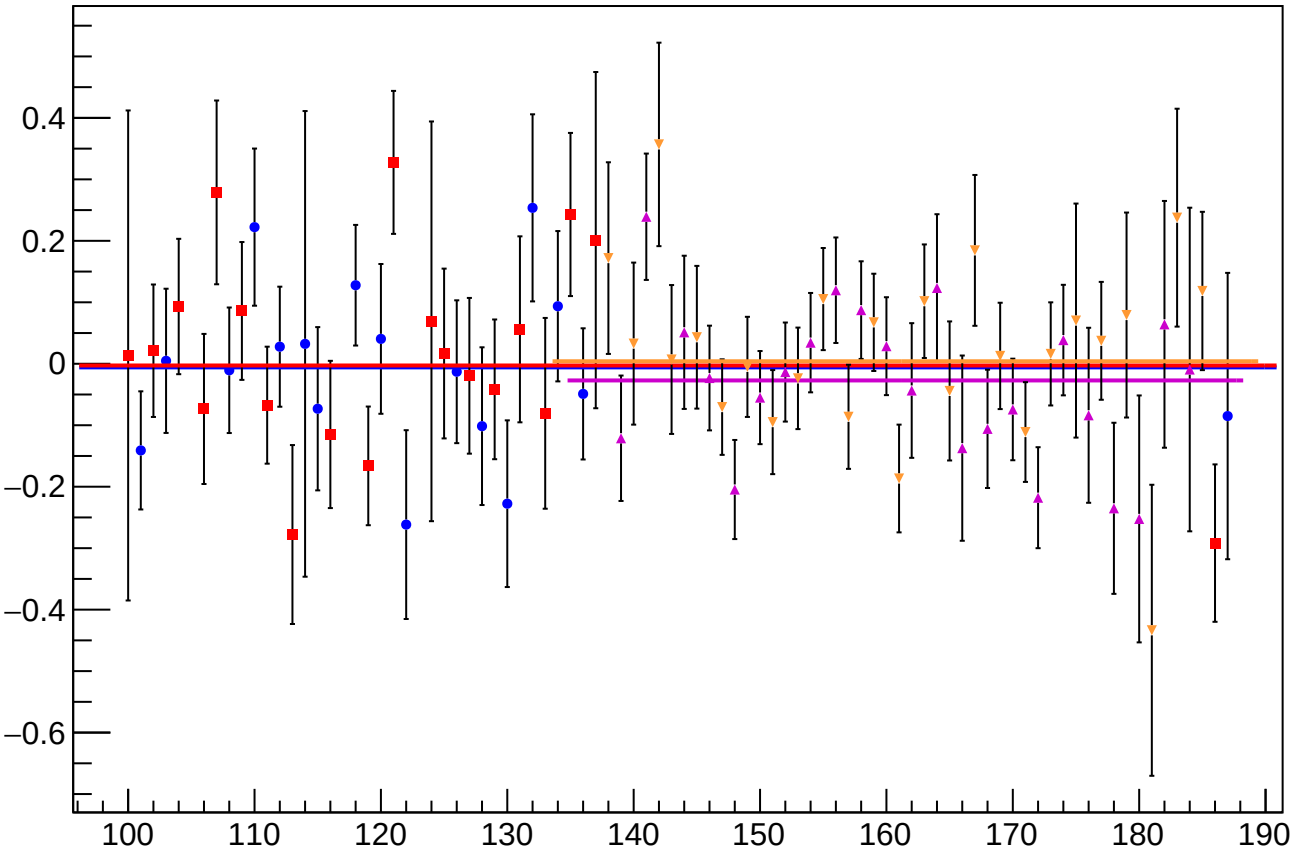
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 77.751+/-0.015 χ^2/NDF: 832200.7/36

In: 81.187+/-0.012 χ^2/NDF:2050906.5/39

Out: 81.695+/-0.012 χ^2/NDF:2621269.0/44

All: 81.445+/-0.008 χ^2/NDF: 4673093.5/84



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

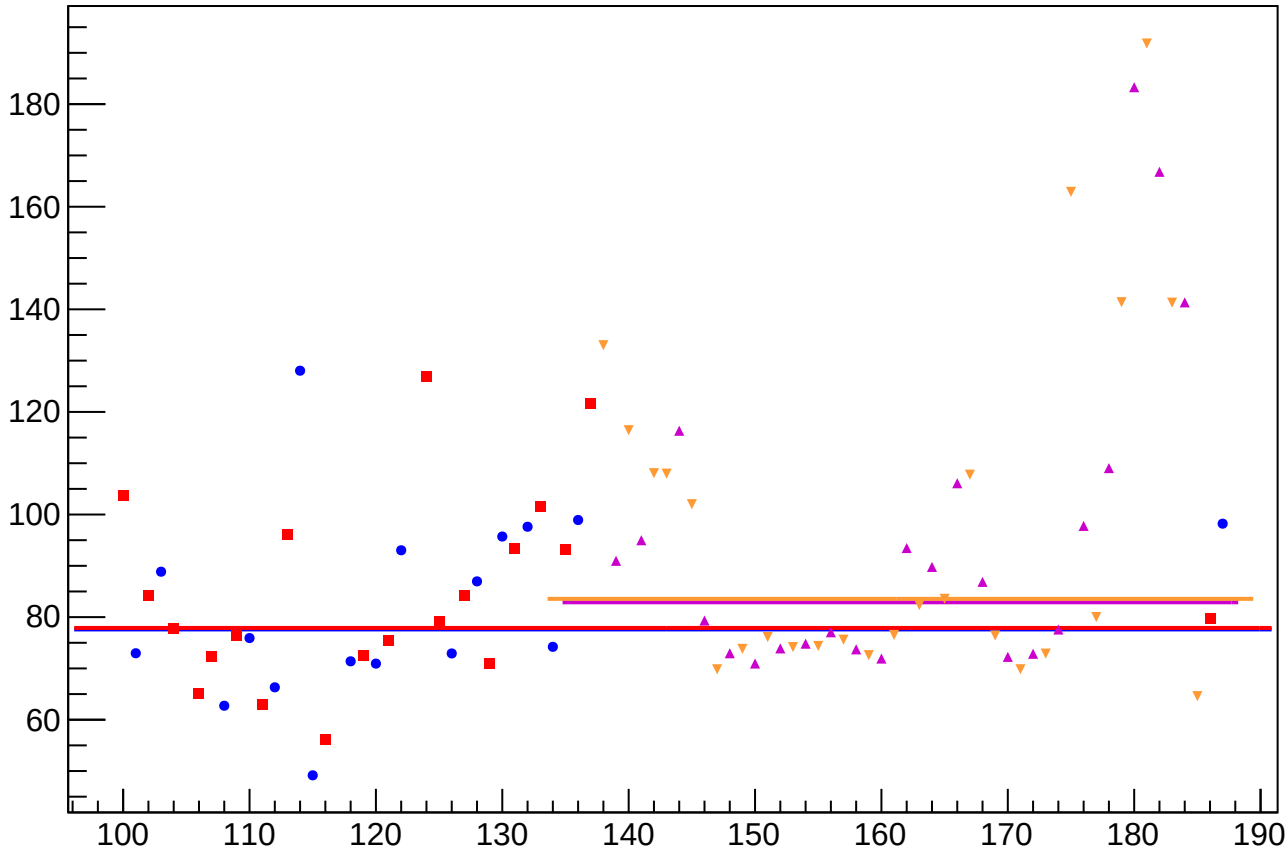
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.004+/-0.021 χ^2/NDF: 48.3/36

In: -0.020+/-0.017 χ^2/NDF:49.7/39

Out: 0.002+/-0.017 χ^2/NDF:59.0/44

All: -0.009+/-0.012 χ^2/NDF: 109.6/84



Right In: 77.602+/-0.021 χ^2/NDF: 435216.9/16

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 77.892+/-0.020 χ^2/NDF: 396886.1/19

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

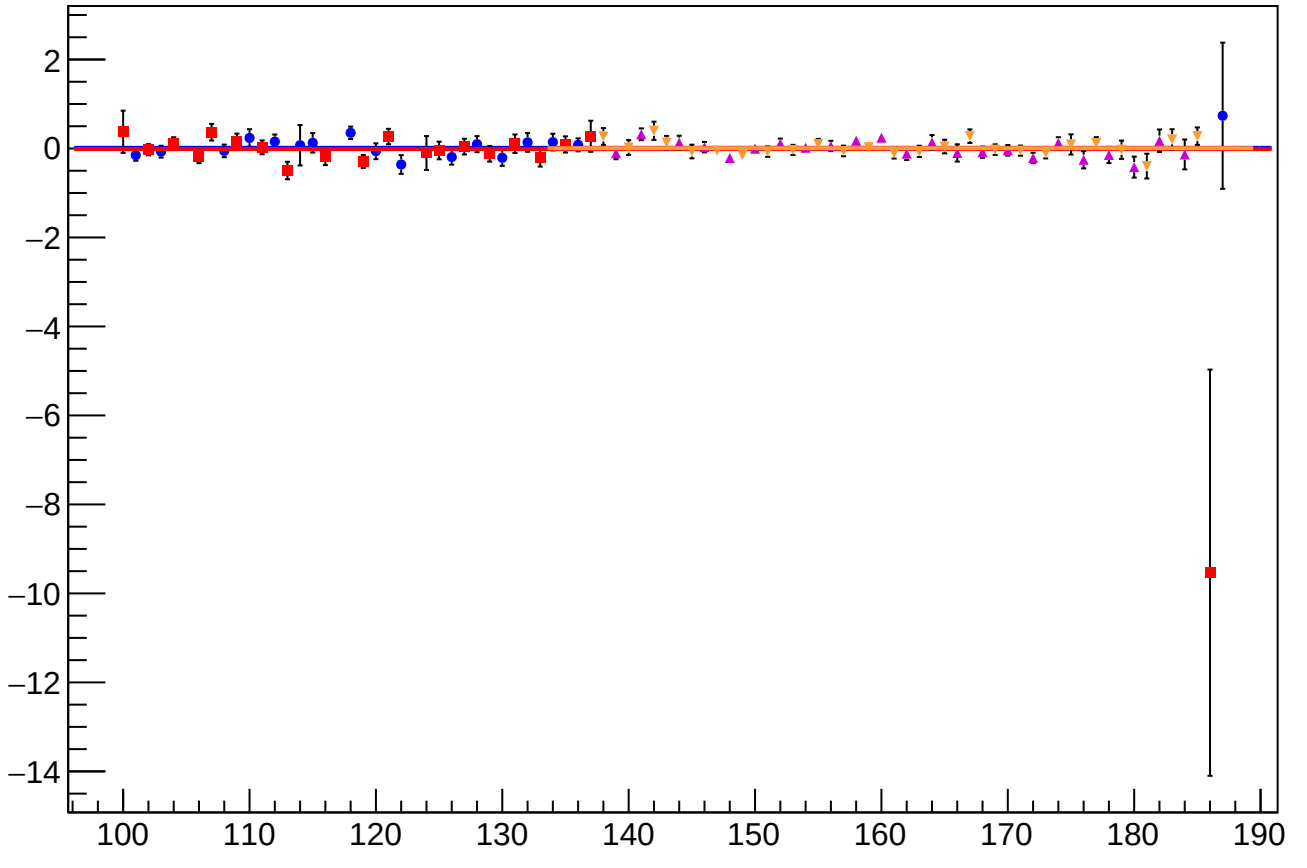
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 77.751+/-0.015 χ^2/NDF: 832200.7/36

In: 81.187+/-0.012 χ^2/NDF:2050906.5/39

Out: 81.695+/-0.012 χ^2/NDF:2621269.0/44

All: 81.445+/-0.008 χ^2/NDF: 4673093.5/84



Right In: 0.015+/-0.042 χ^2/NDF: 18.4/16

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.013+/-0.041 χ^2/NDF: 28.1/19

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

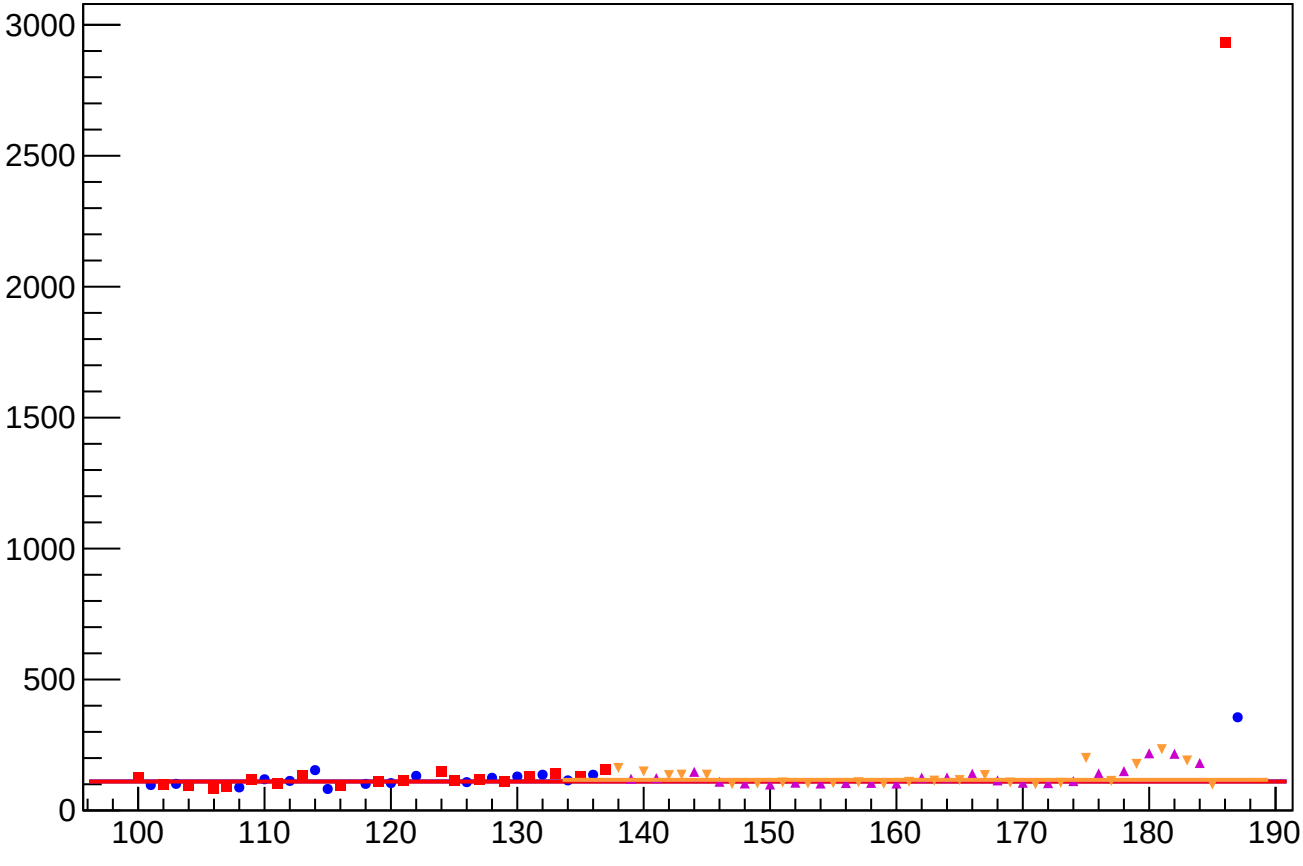
Right: 0.000+/-0.030 χ^2/NDF: 46.7/36

In: 0.011+/-0.023 χ^2/NDF:49.7/39

Out: 0.000+/-0.023 χ^2/NDF:49.6/44

All: 0.006+/-0.016 χ^2/NDF: 99.4/84

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.877+/-0.030 χ^2/NDF: 344447.6/16

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 110.376+/-0.029 χ^2/NDF: 1091687.4/19

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

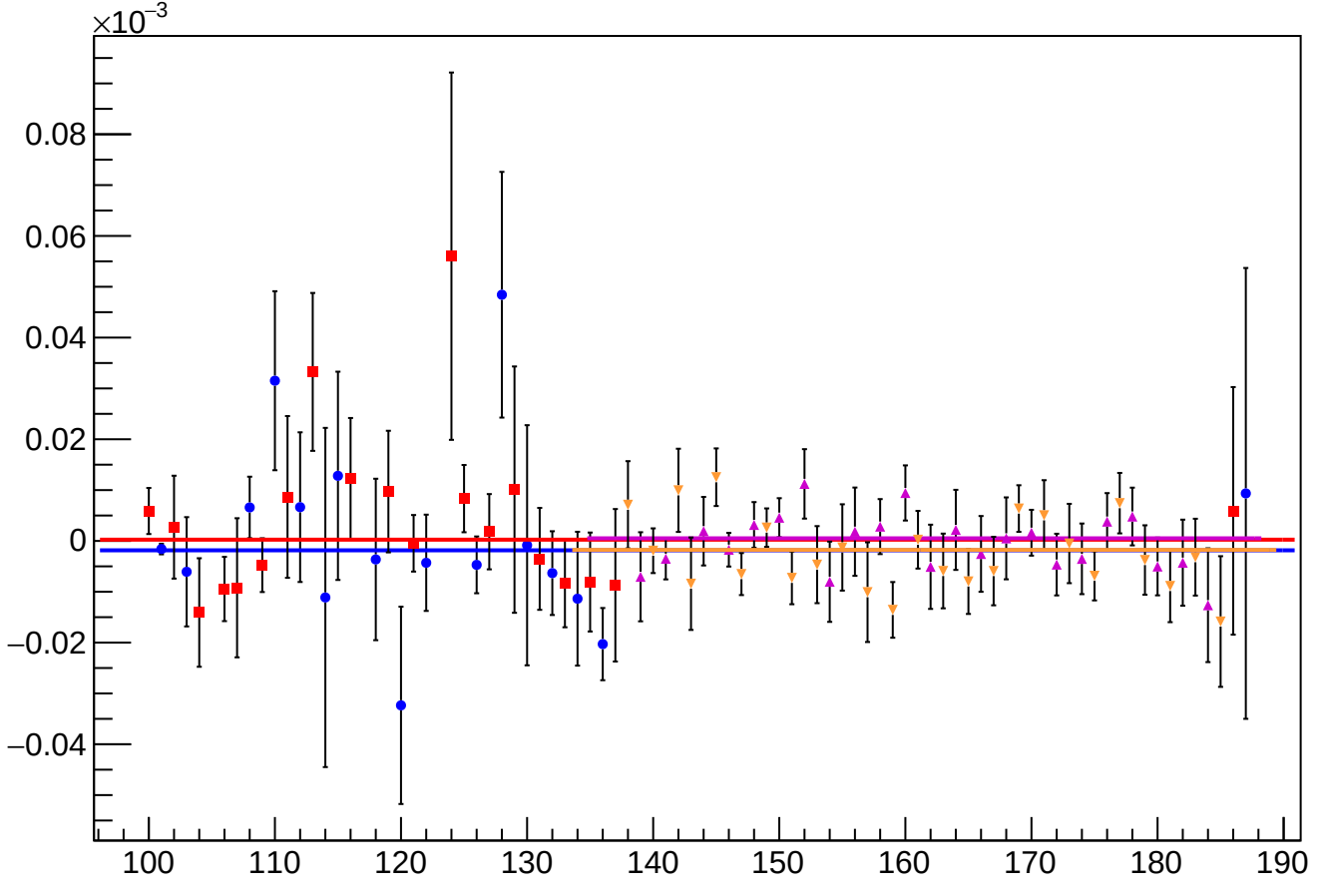
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 110.621+/-0.021 χ^2/NDF: 1436278.6/36

In: 114.326+/-0.017 χ^2/NDF:1595073.2/39

Out: 114.856+/-0.016 χ^2/NDF:2722773.4/44

All: 114.595+/-0.012 χ^2/NDF: 4318368.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/19

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

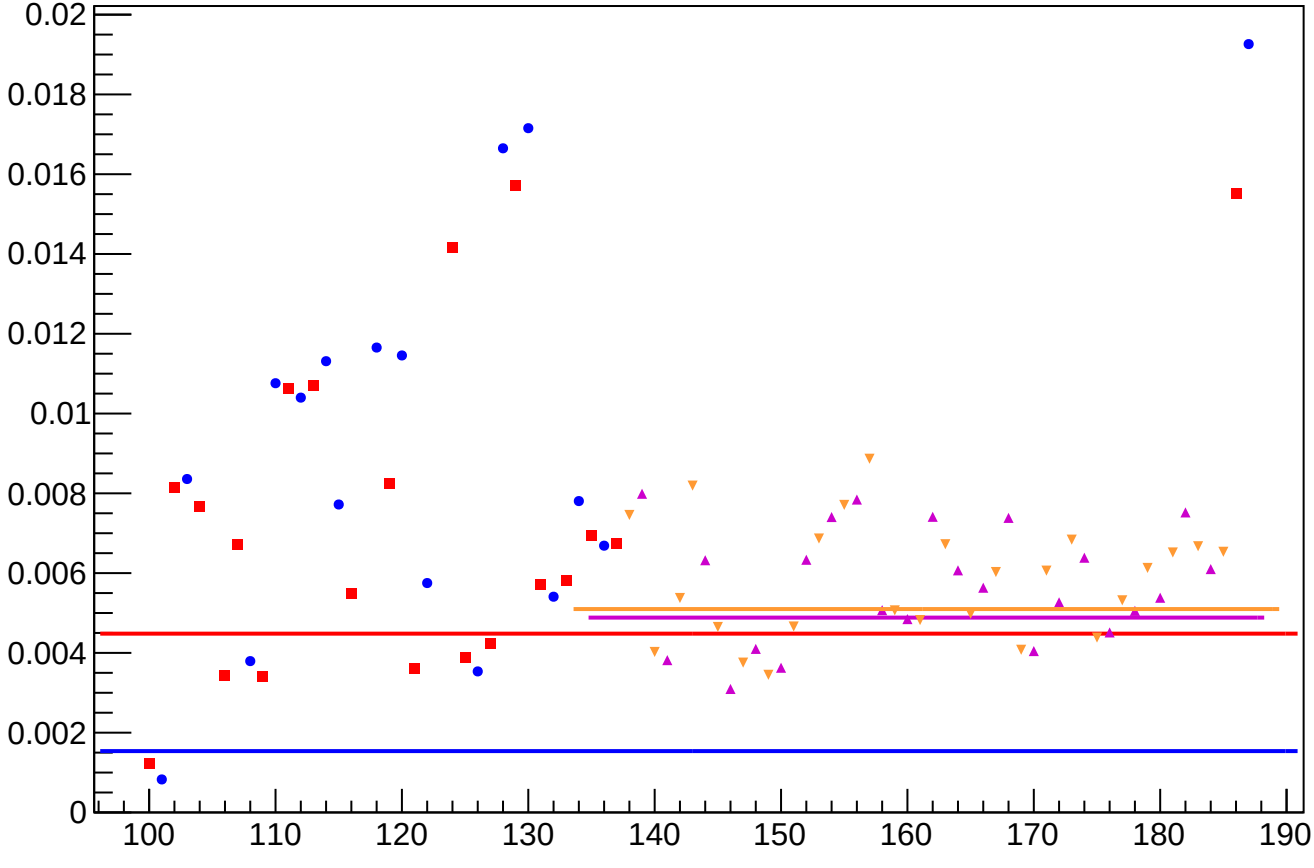
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 42.3/36

In: -0.000+/-0.000 χ^2/NDF:39.4/39

Out: -0.000+/-0.000 χ^2/NDF:51.8/44

All: -0.000+/-0.000 χ^2/NDF: 91.2/84



Right In: 0.002+/-0.000 χ^2/NDF: 9542562.9/16

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3800709.8/19

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

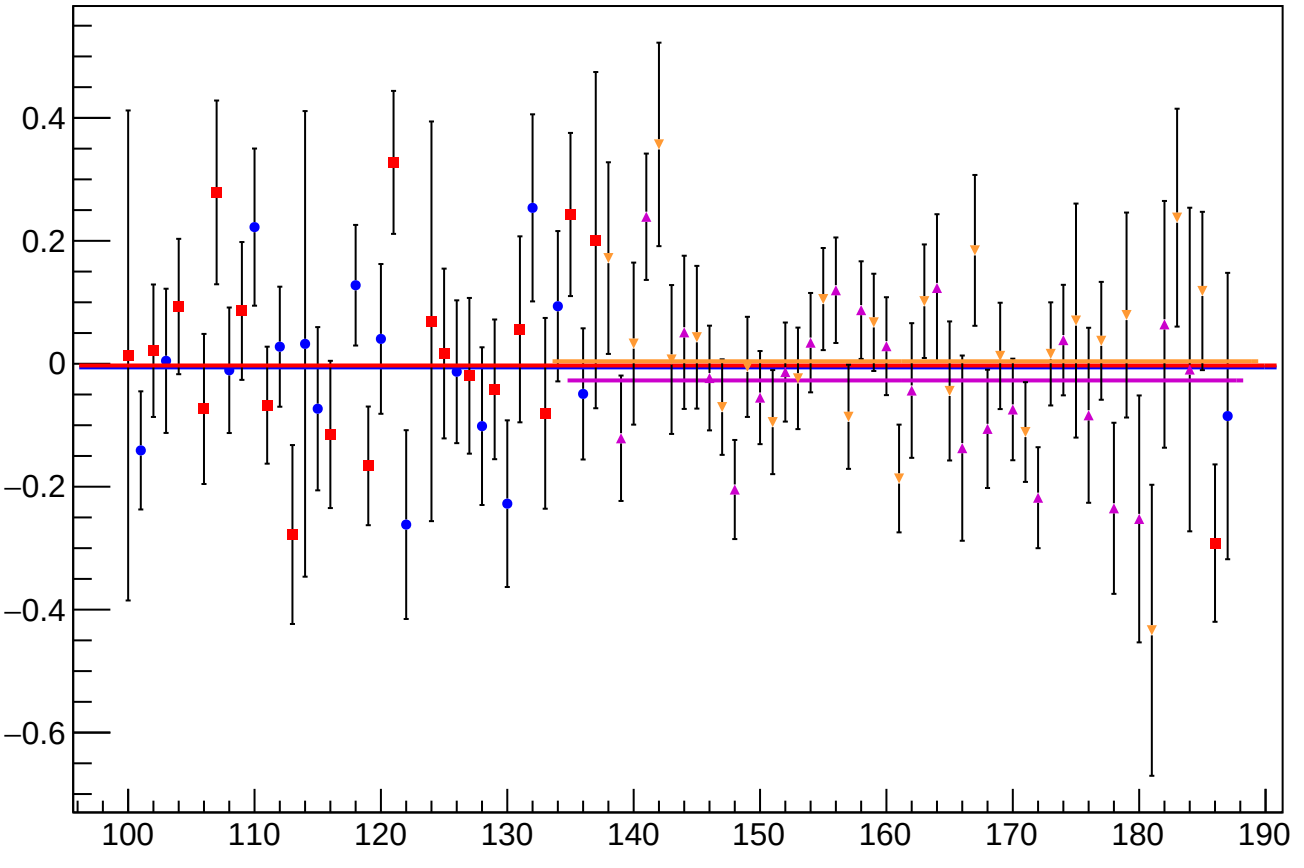
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.002+/-0.000 χ^2/NDF: 17086084.2/36

In: 0.003+/-0.000 χ^2/NDF:21701357.4/39

Out: 0.005+/-0.000 χ^2/NDF:6326813.0/44

All: 0.004+/-0.000 χ^2/NDF: 33229124.9/84



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

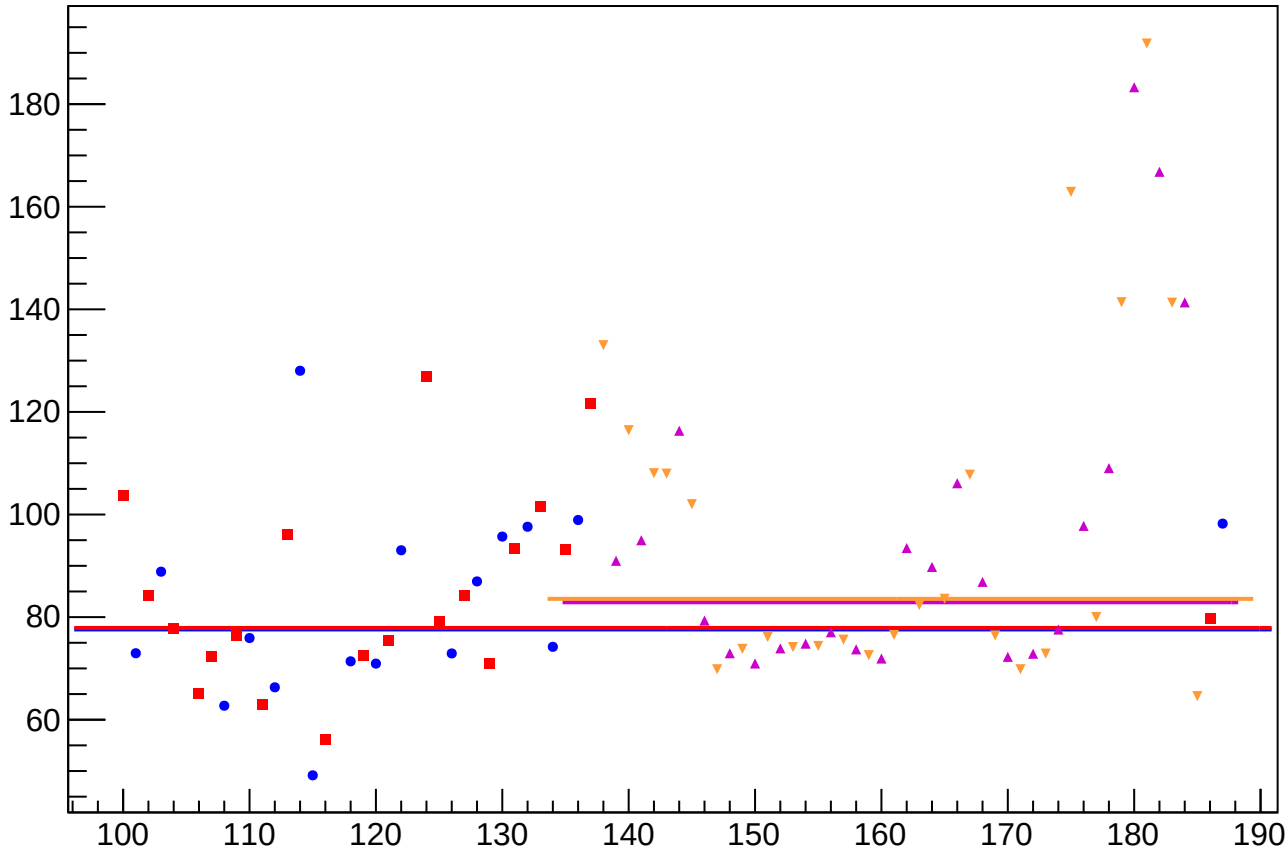
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.004+/-0.021 χ^2/NDF: 48.3/36

In: -0.020+/-0.017 χ^2/NDF:49.7/39

Out: 0.002+/-0.017 χ^2/NDF:59.1/44

All: -0.009+/-0.012 χ^2/NDF: 109.6/84



Right In: 77.600+/-0.021 χ^2/NDF: 435219.0/16

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 77.891+/-0.020 χ^2/NDF: 396882.1/19

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

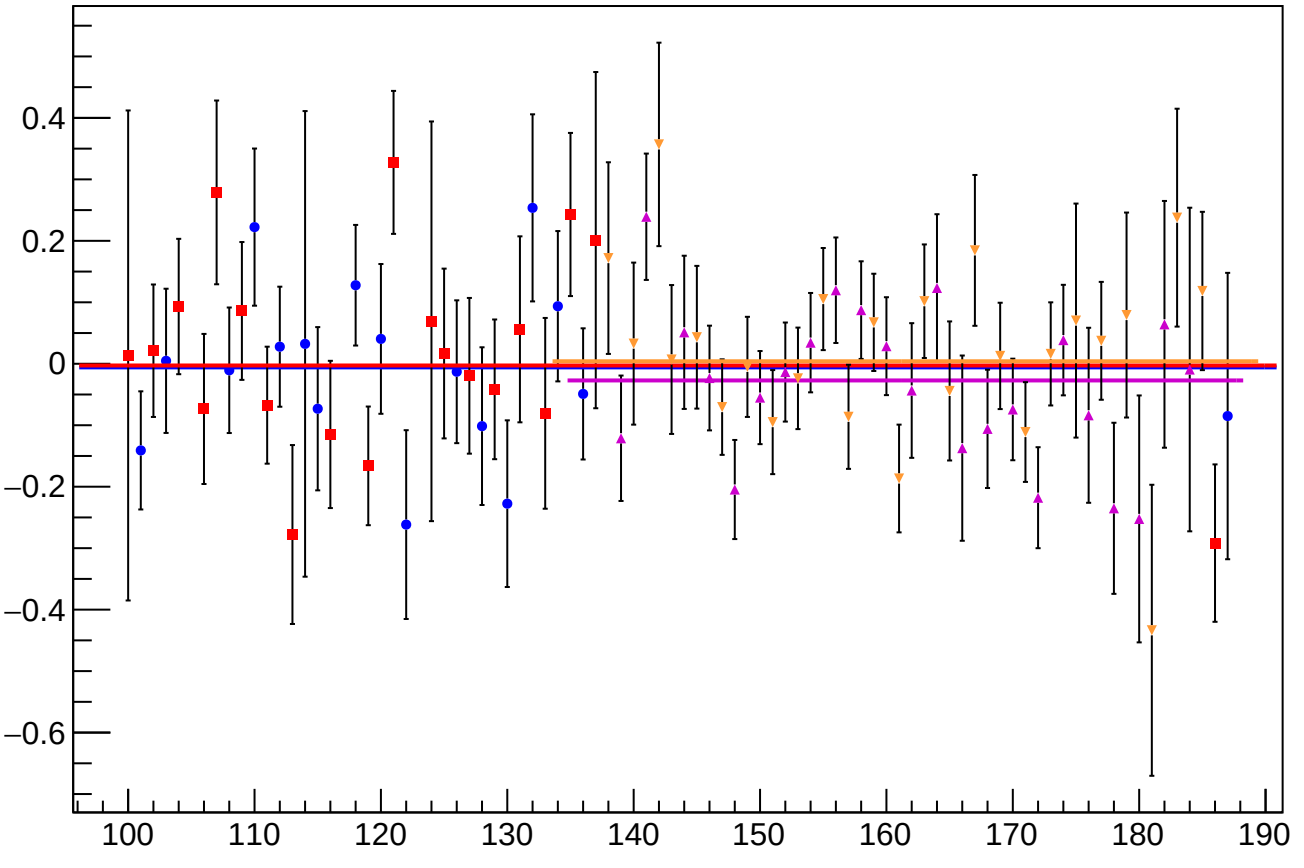
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 77.750+/-0.015 χ^2/NDF: 832198.7/36

In: 81.186+/-0.012 χ^2/NDF:2050918.6/39

Out: 81.695+/-0.012 χ^2/NDF:2621298.8/44

All: 81.445+/-0.008 χ^2/NDF: 4673135.6/84



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

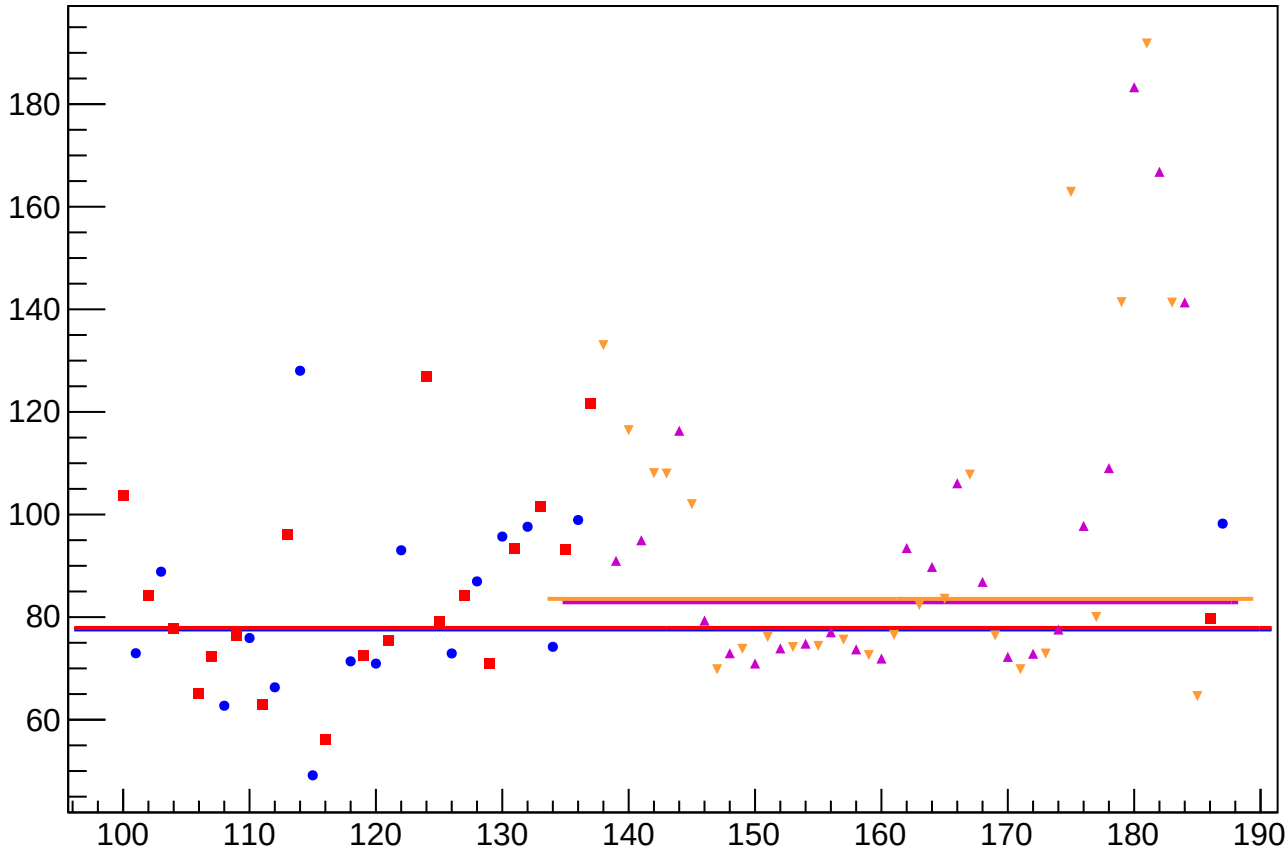
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.004+/-0.021 χ^2/NDF: 48.3/36

In: -0.020+/-0.017 χ^2/NDF:49.7/39

Out: 0.002+/-0.017 χ^2/NDF:59.1/44

All: -0.009+/-0.012 χ^2/NDF: 109.6/84



Right In: 77.600+/-0.021 χ^2/NDF: 435219.0/16

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 77.891+/-0.020 χ^2/NDF: 396882.1/19

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

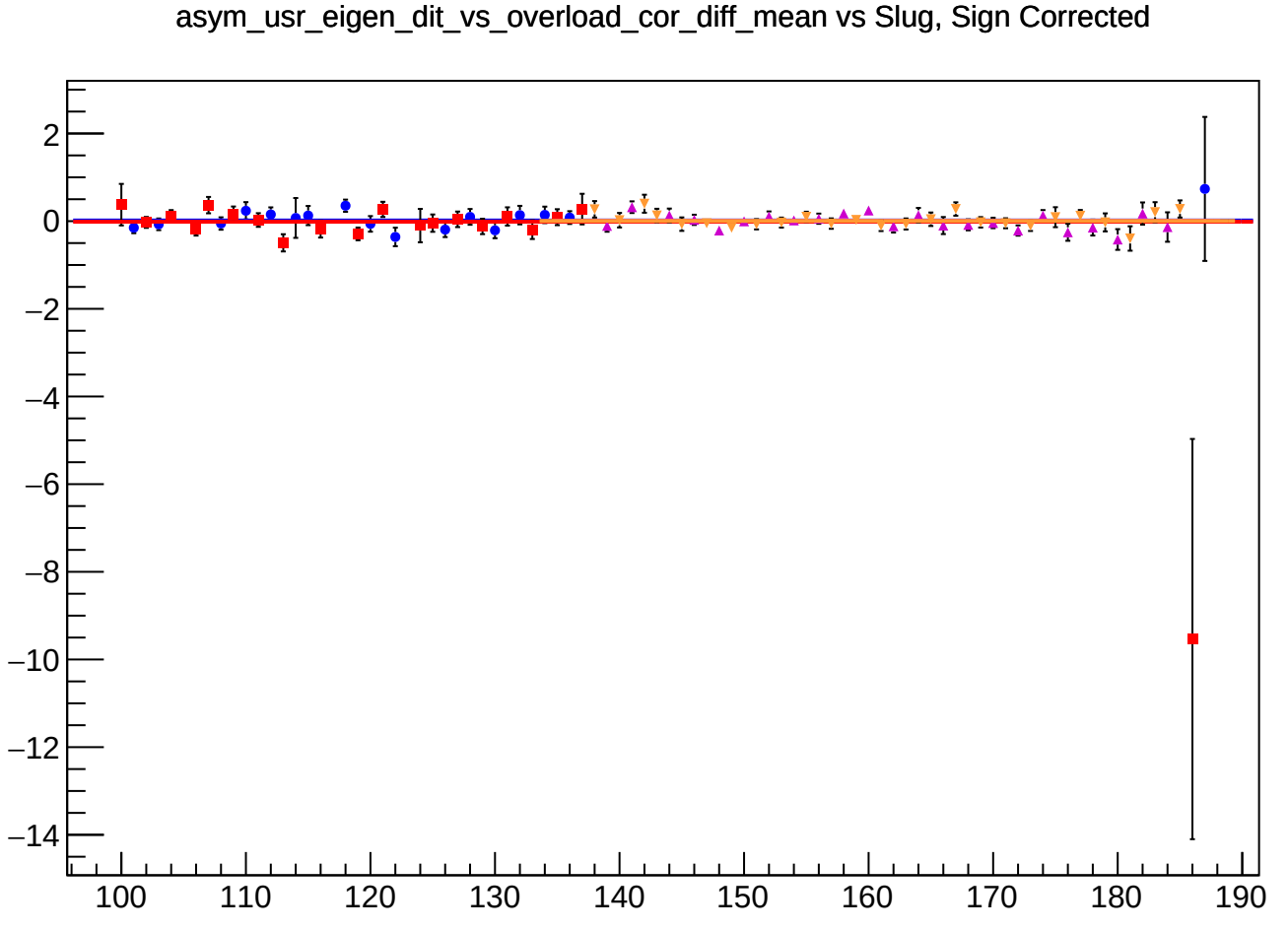
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 77.750+/-0.015 χ^2/NDF: 832198.7/36

In: 81.186+/-0.012 χ^2/NDF:2050918.6/39

Out: 81.695+/-0.012 χ^2/NDF:2621298.8/44

All: 81.445+/-0.008 χ^2/NDF: 4673135.6/84



Right In: 0.015+/-0.042 χ^2/NDF: 18.4/16

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.013+/-0.041 χ^2/NDF: 28.1/19

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

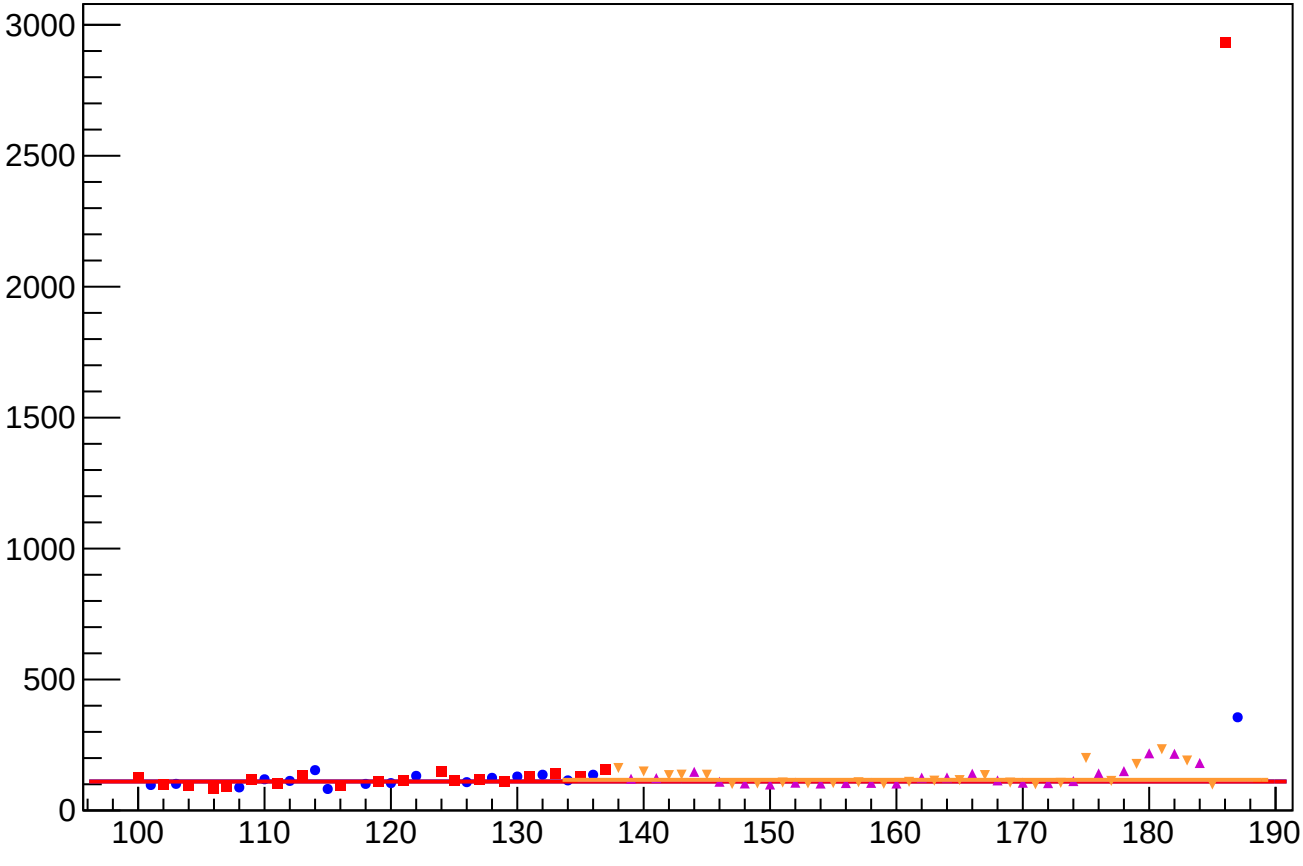
Right: 0.000+/-0.030 χ^2/NDF: 46.7/36

In: 0.011+/-0.023 χ^2/NDF:49.7/39

Out: 0.000+/-0.023 χ^2/NDF:49.6/44

All: 0.006+/-0.016 χ^2/NDF: 99.4/84

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.876+/-0.030 χ^2/NDF: 344422.5/16

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 110.375+/-0.029 χ^2/NDF: 1091658.0/19

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

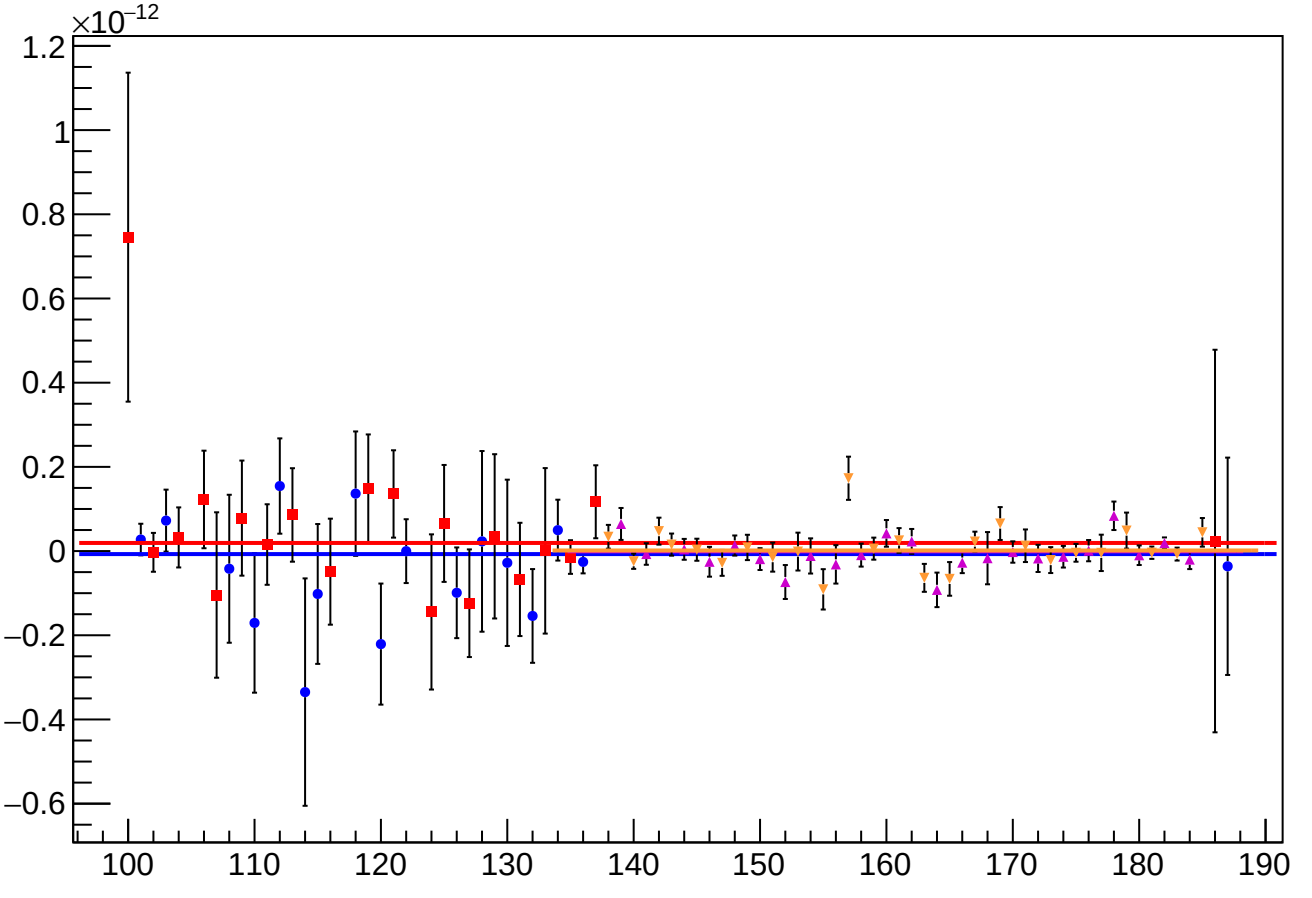
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 110.620+/-0.021 χ^2/NDF: 1436224.0/36

In: 114.325+/-0.017 χ^2/NDF:1595047.8/39

Out: 114.856+/-0.016 χ^2/NDF:2722751.4/44

All: 114.595+/-0.012 χ^2/NDF: 4318320.9/84



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/19

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

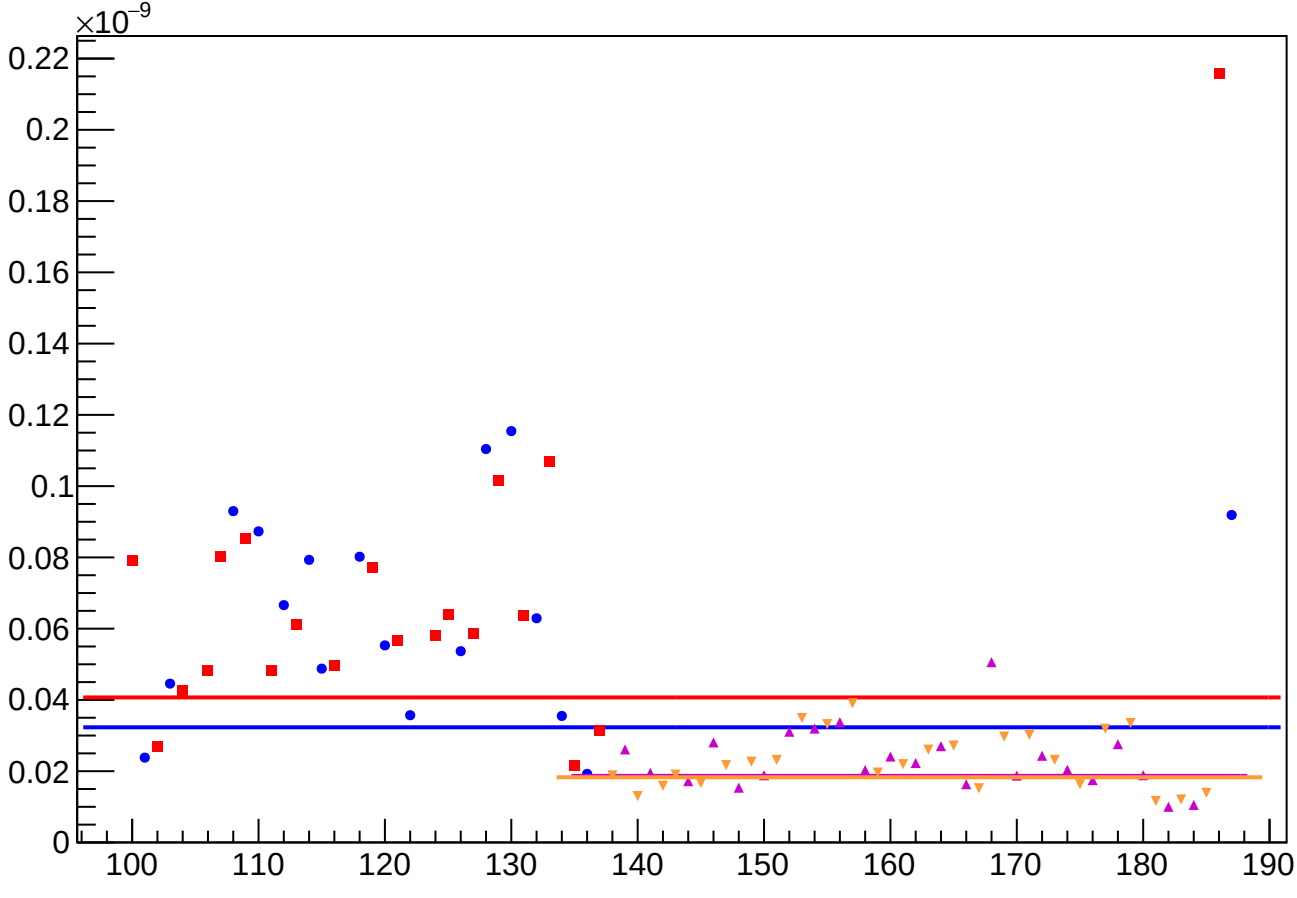
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 27.1/36

In: -0.000+/-0.000 χ^2/NDF:40.5/39

Out: 0.000+/-0.000 χ^2/NDF:49.9/44

All: 0.000+/-0.000 χ^2/NDF: 90.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 2566373.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2163654.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

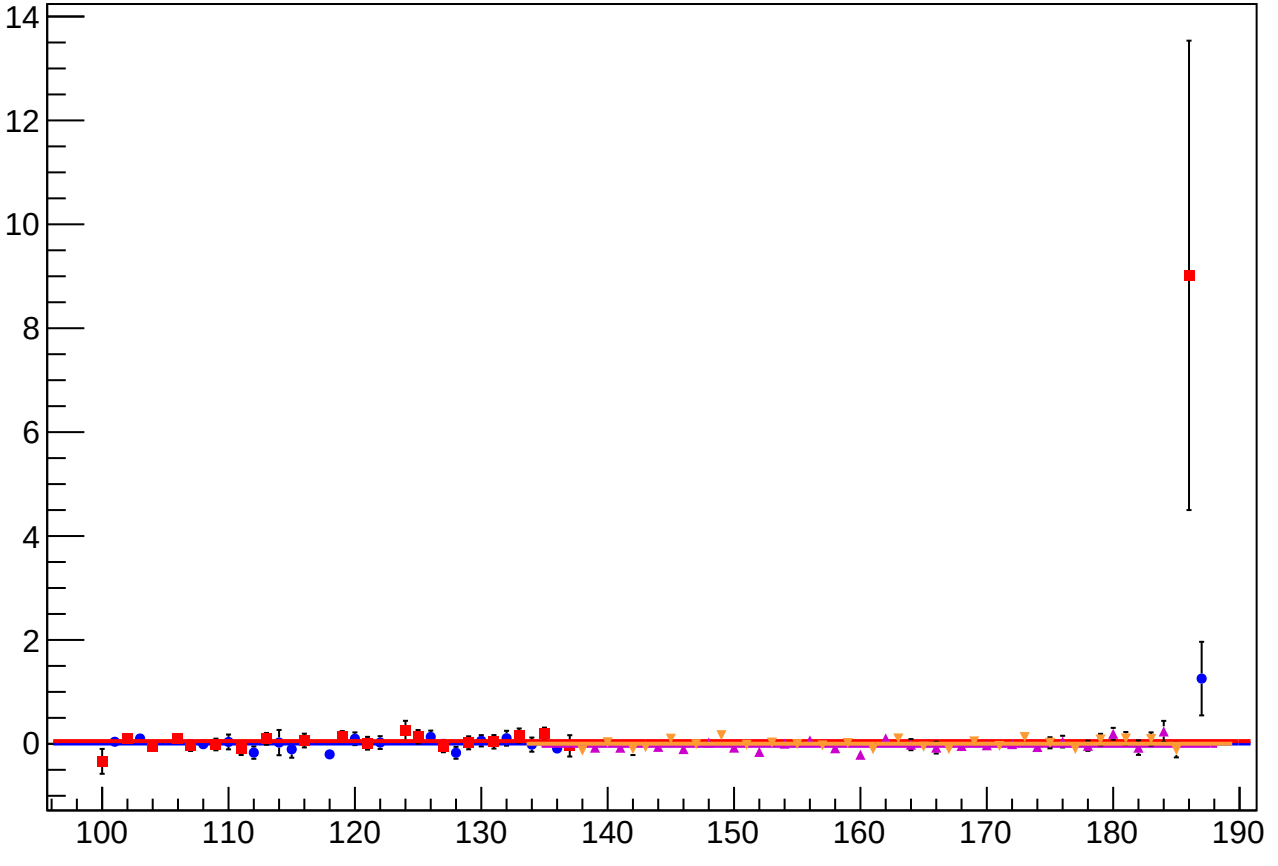
Right: 0.000+/-0.000 χ^2/NDF: 4913864.1/36

In: 0.000+/-0.000 χ^2/NDF:6532803.2/39

Out: 0.000+/-0.000 χ^2/NDF:7309707.9/44

All: 0.000+/-0.000 χ^2/NDF: 13844612.3/84

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.026 χ^2/NDF: 19.7/16

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.053+/-0.024 χ^2/NDF: 18.7/19

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

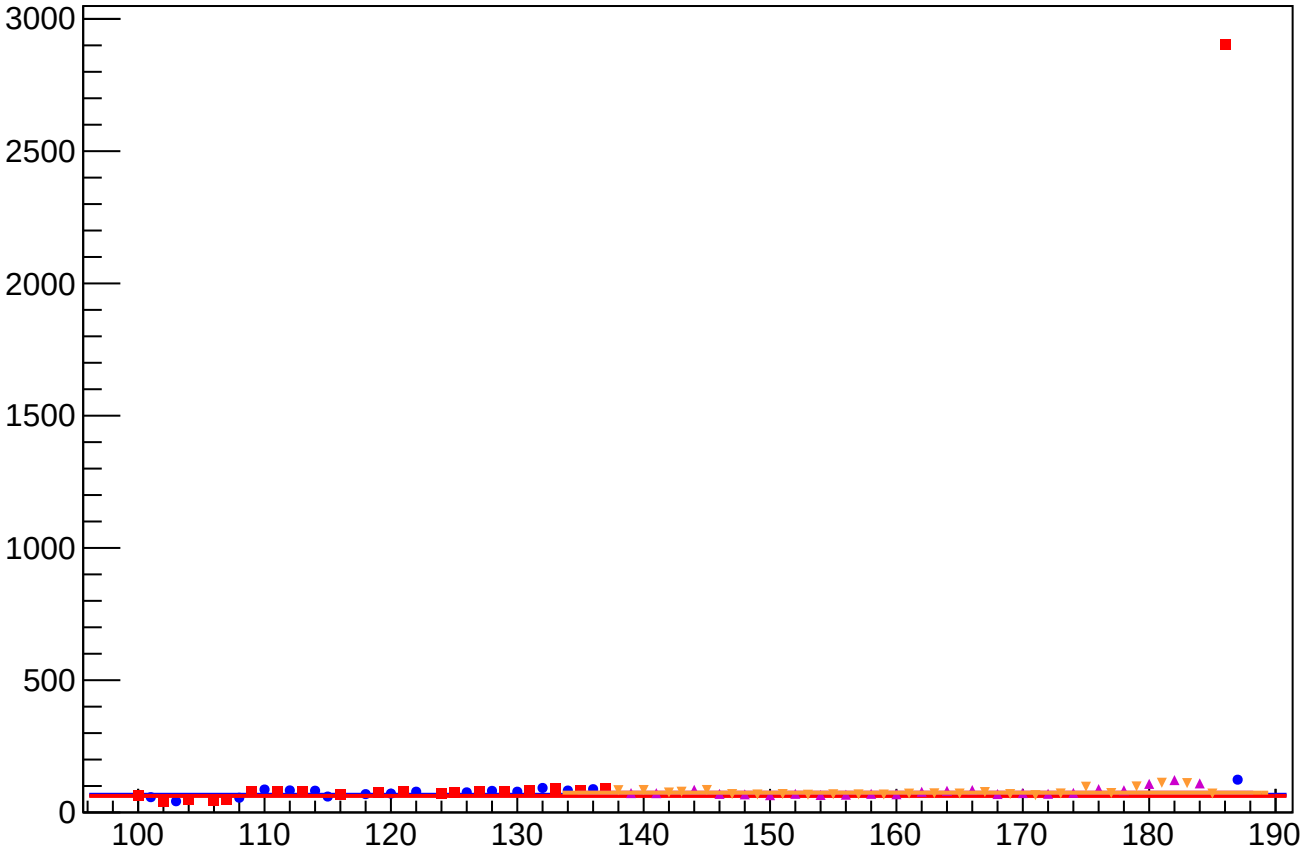
Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

Right: 0.031+/-0.018 χ^2/NDF: 40.2/36

In: -0.024+/-0.015 χ^2/NDF:43.4/39

Out: 0.020+/-0.014 χ^2/NDF:43.1/44

All: -0.001+/-0.010 χ^2/NDF: 91.1/84



Right In: 66.809+/-0.018 χ^2/NDF: 829771.7/16

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 62.510+/-0.017 χ^2/NDF: 1904379.2/19

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

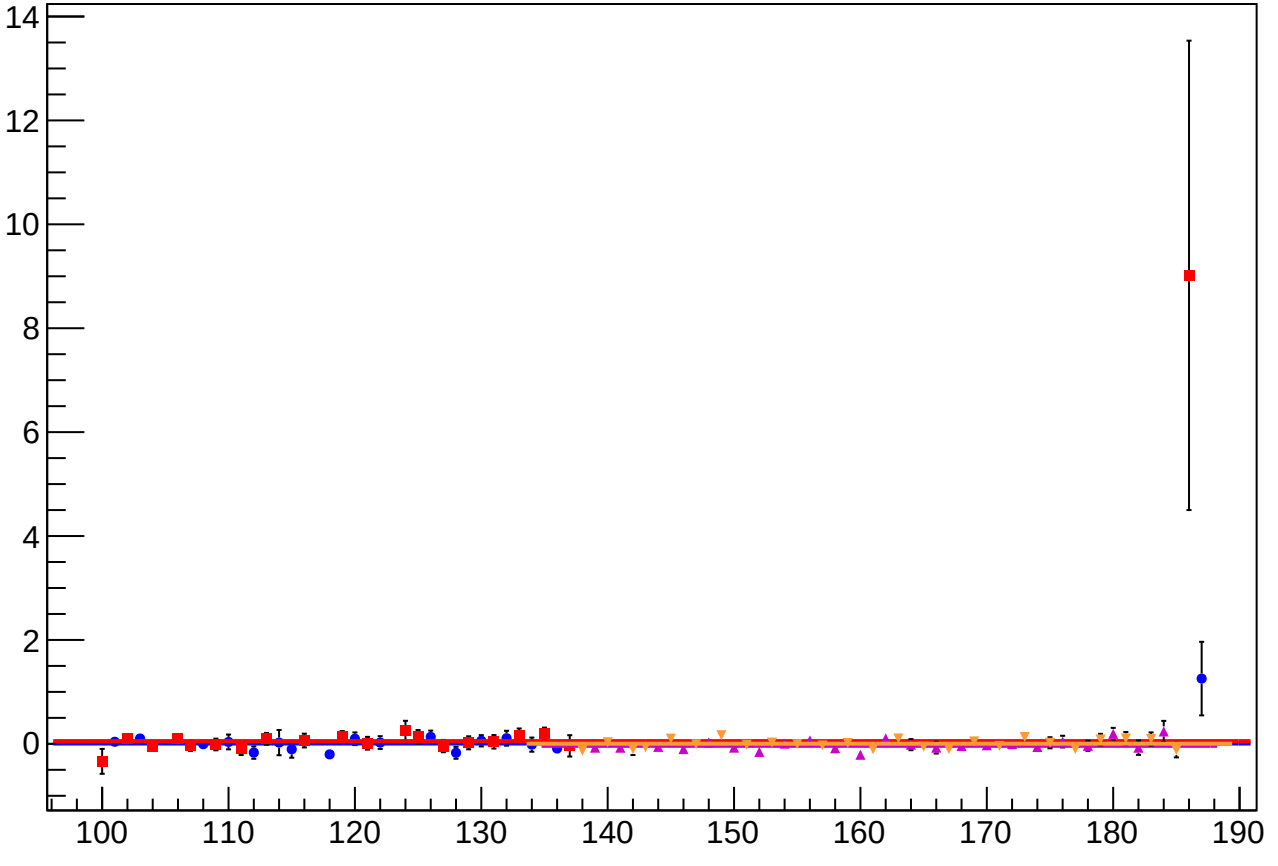
Right: 64.505+/-0.012 χ^2/NDF: 2763719.0/36

In: 72.084+/-0.010 χ^2/NDF:1666258.9/39

Out: 70.544+/-0.010 χ^2/NDF:2987699.1/44

All: 71.283+/-0.007 χ^2/NDF: 4665369.2/84

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.026 χ^2/NDF: 19.7/16

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.053+/-0.024 χ^2/NDF: 18.7/19

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

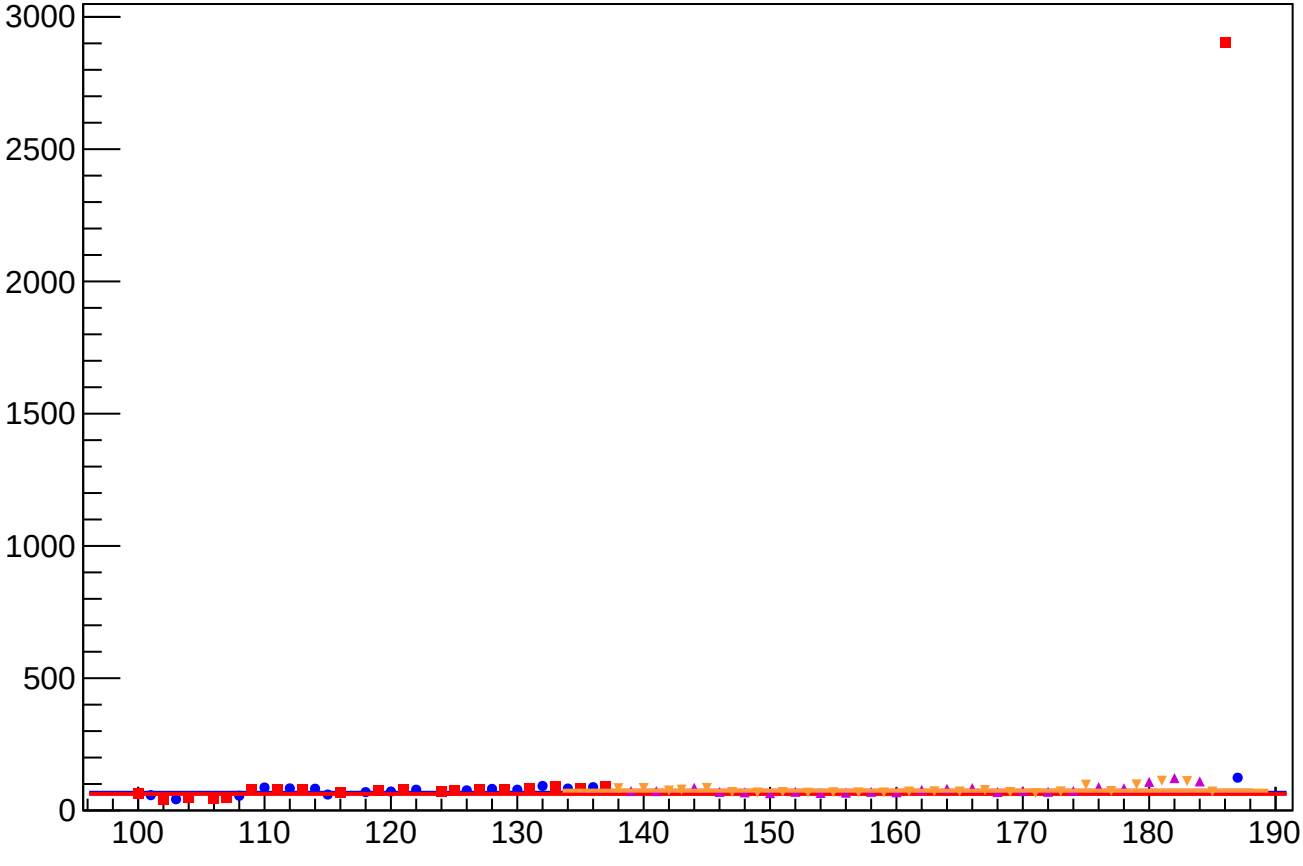
Right: 0.031+/-0.018 χ^2/NDF: 40.2/36

In: -0.024+/-0.015 χ^2/NDF:43.4/39

Out: 0.020+/-0.014 χ^2/NDF:43.1/44

All: -0.001+/-0.010 χ^2/NDF: 91.1/84

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.809+/-0.018 χ^2/NDF: 829771.7/16

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 62.510+/-0.017 χ^2/NDF: 1904379.2/19

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

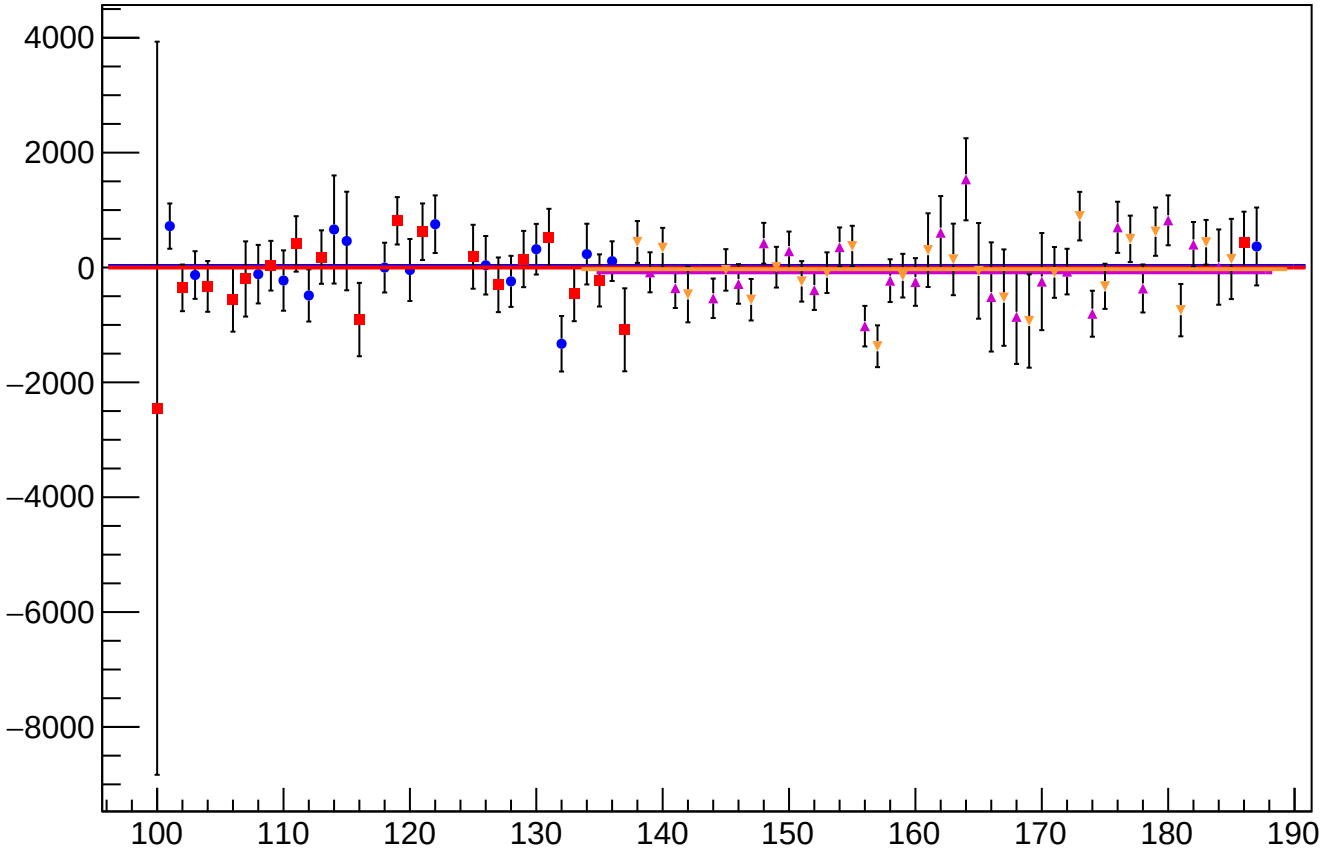
Right: 64.505+/-0.012 χ^2/NDF: 2763719.0/36

In: 72.084+/-0.010 χ^2/NDF:1666258.9/39

Out: 70.544+/-0.010 χ^2/NDF:2987699.1/44

All: 71.283+/-0.007 χ^2/NDF: 4665369.2/84

asym_dsl_mean vs Slug, Sign Corrected



Right In: 26.064+/-117.621 χ^2/NDF: 16.8/16

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 0.009+/-116.321 χ^2/NDF: 16.7/18

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

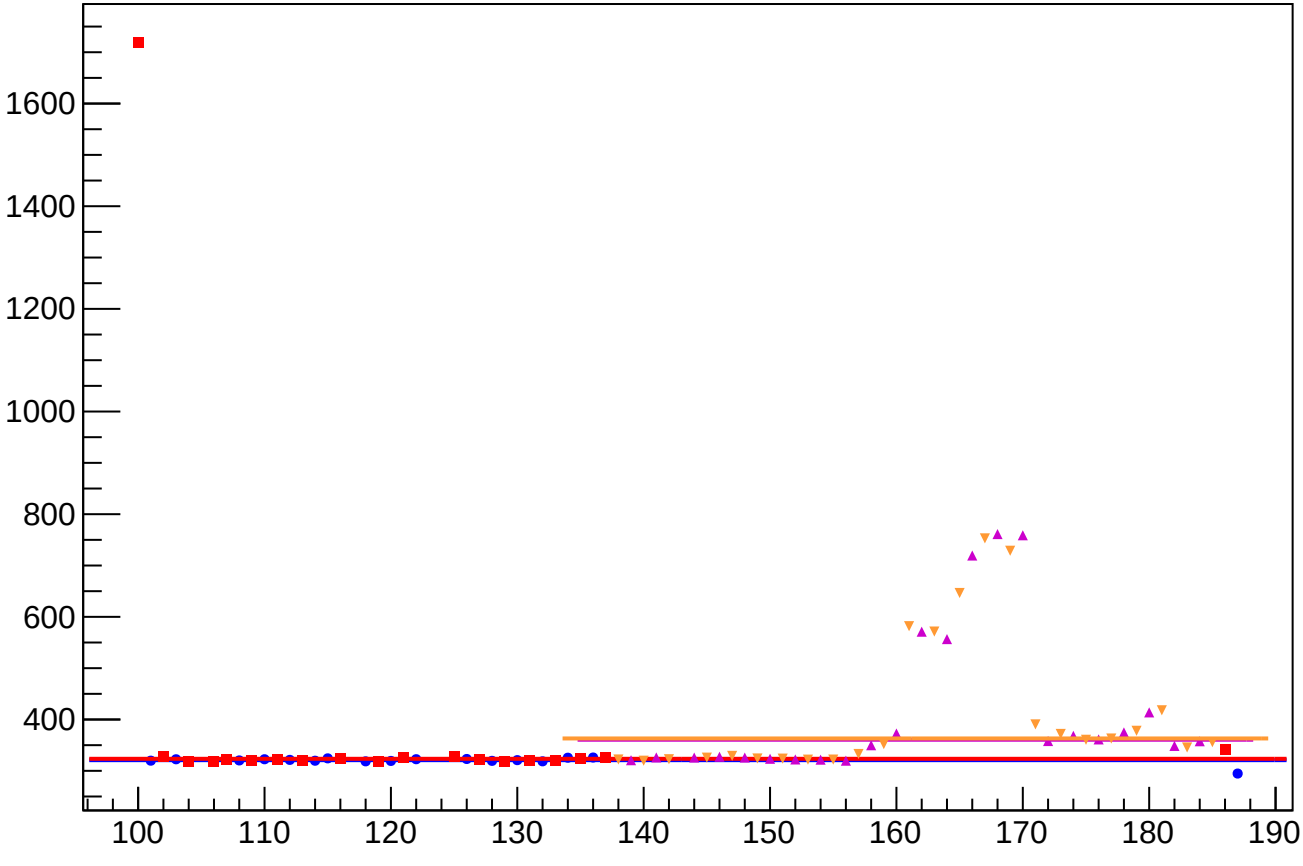
Right: 12.892+/-82.707 χ^2/NDF: 33.5/35

In: -45.199+/-69.672 χ^2/NDF:53.2/39

Out: -18.889+/-69.427 χ^2/NDF:53.3/42

All: -31.998+/-49.179 χ^2/NDF: 106.6/82

asym_dsl_rms vs Slug, Sign Corrected



Right In: 320.795+/-0.083 χ^2/NDF: 3874.6/16

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 323.435+/-0.082 χ^2/NDF: 99176.4/18

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

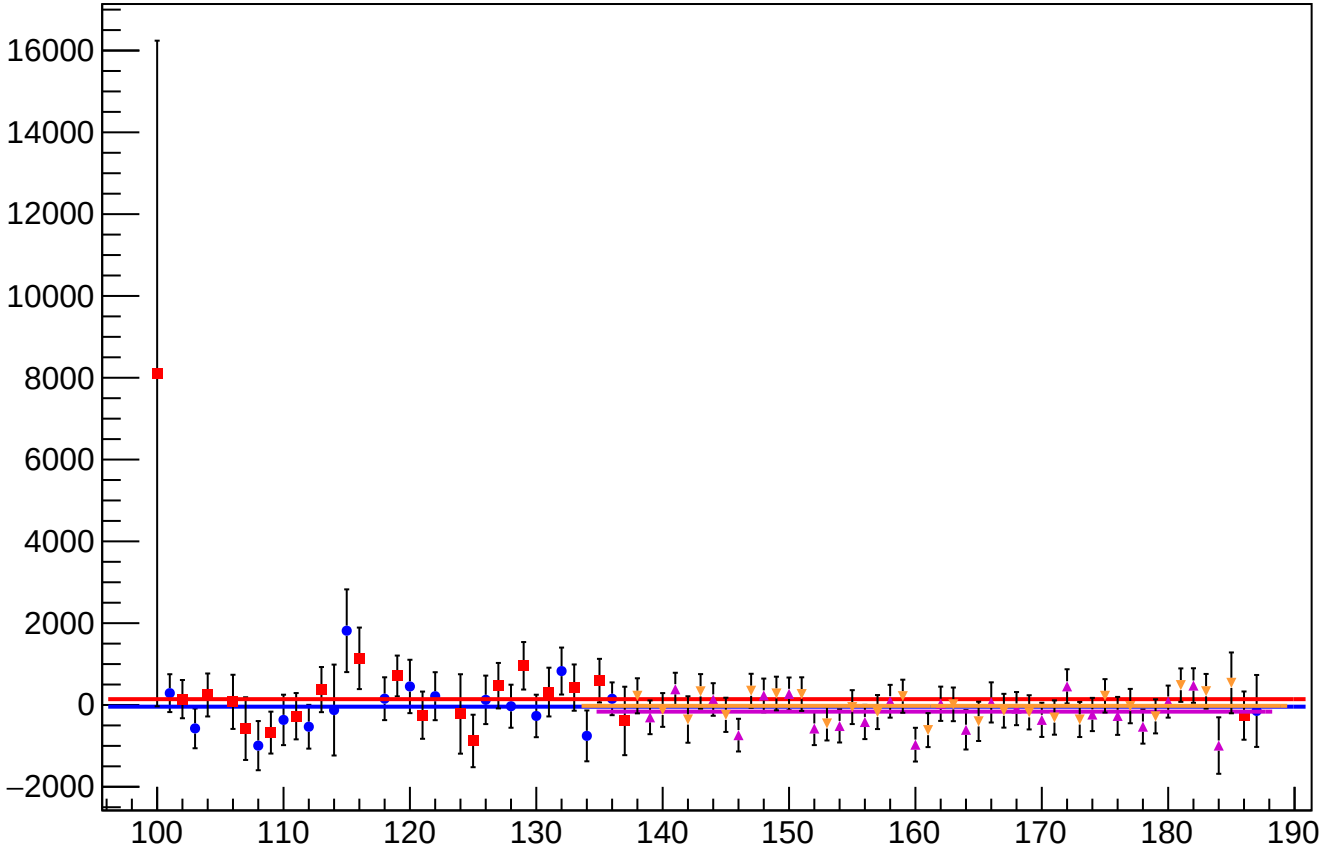
Right: 322.129+/-0.058 χ^2/NDF: 103560.3/35

In: 346.624+/-0.049 χ^2/NDF:1970142.0/39

Out: 348.956+/-0.049 χ^2/NDF:2044302.4/42

All: 347.794+/-0.035 χ^2/NDF: 4015568.9/82

asym_dsr_mean vs Slug, Sign Corrected



Right In: -41.585+/-138.952 χ^2/NDF: 13.7/16

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 142.308+/-135.258 χ^2/NDF: 15.6/19

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

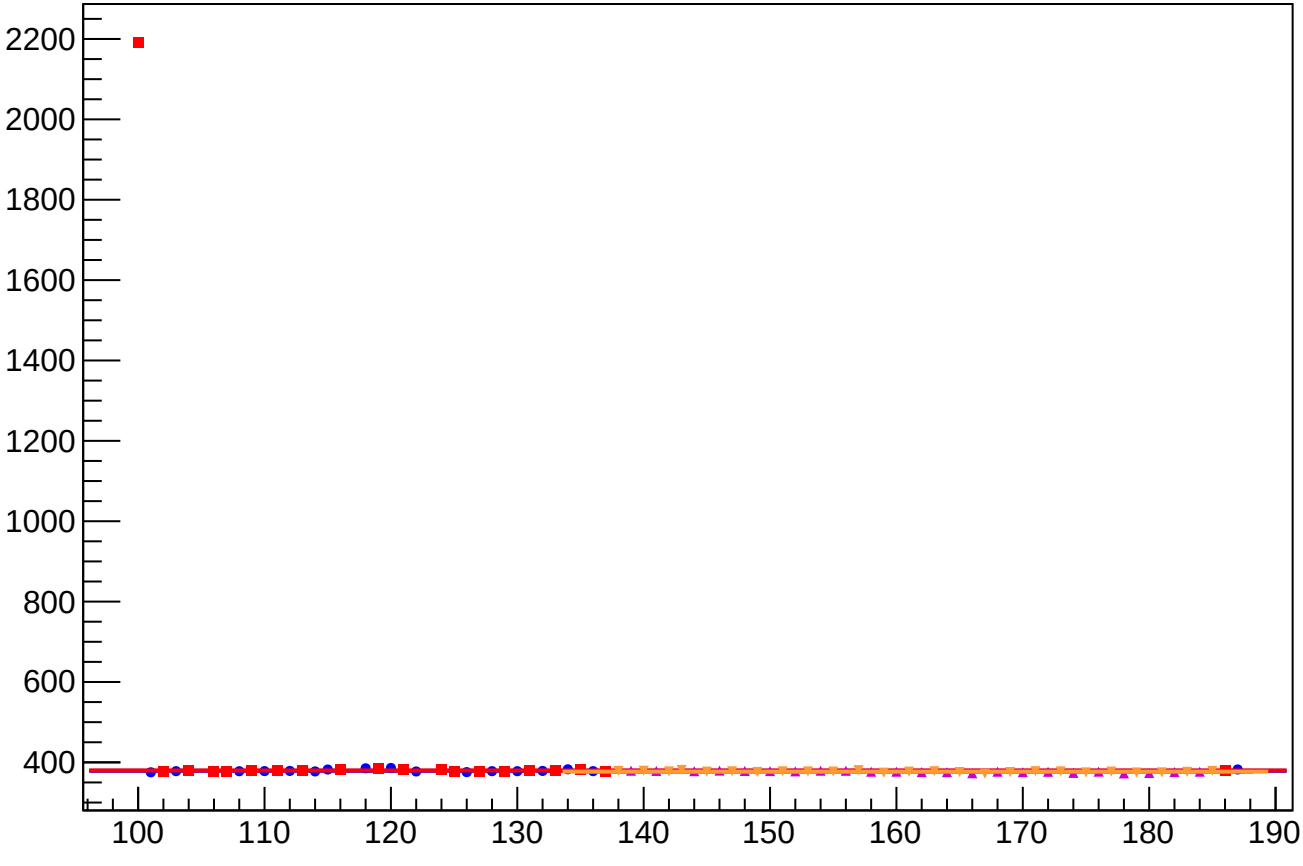
Right: 52.839+/-96.922 χ^2/NDF: 30.2/36

In: -128.242+/-74.340 χ^2/NDF:36.1/39

Out: 25.675+/-72.344 χ^2/NDF:29.2/44

All: -49.189+/-51.846 χ^2/NDF: 67.5/84

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.995+/-0.098 χ^2/NDF: 880.2/16

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 379.850+/-0.096 χ^2/NDF: 99622.9/19

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

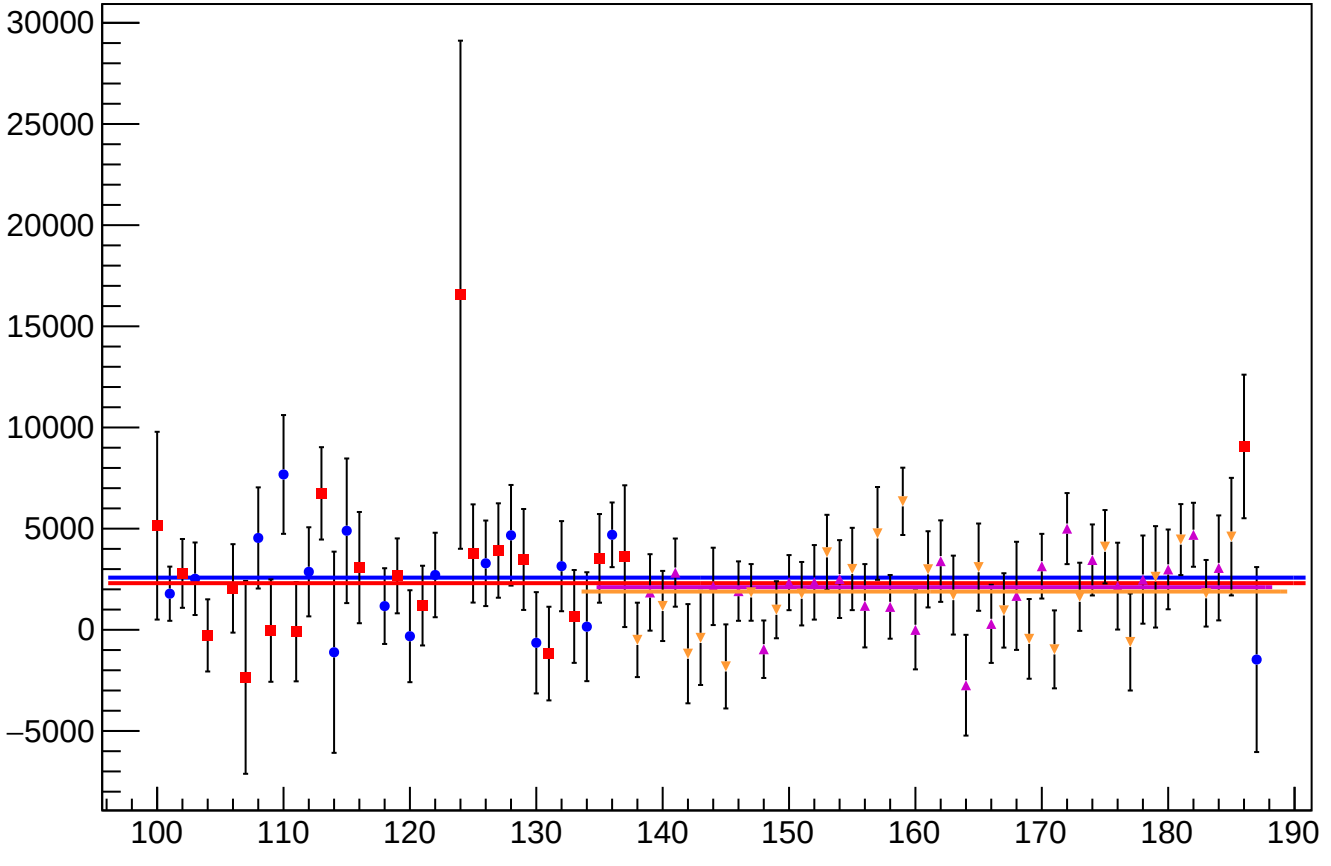
Right: 379.434+/-0.069 χ^2/NDF: 100542.1/36

In: 377.461+/-0.053 χ^2/NDF:2295.6/39

Out: 377.748+/-0.051 χ^2/NDF:101358.0/44

All: 377.609+/-0.037 χ^2/NDF: 103668.9/84

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2579.295+/-534.346 χ^2/NDF: 13.1/16

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2305.150+/-540.578 χ^2/NDF: 18.8/19

Left In: 2105.415+/-379.051 χ^2/NDF:18.6/22

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

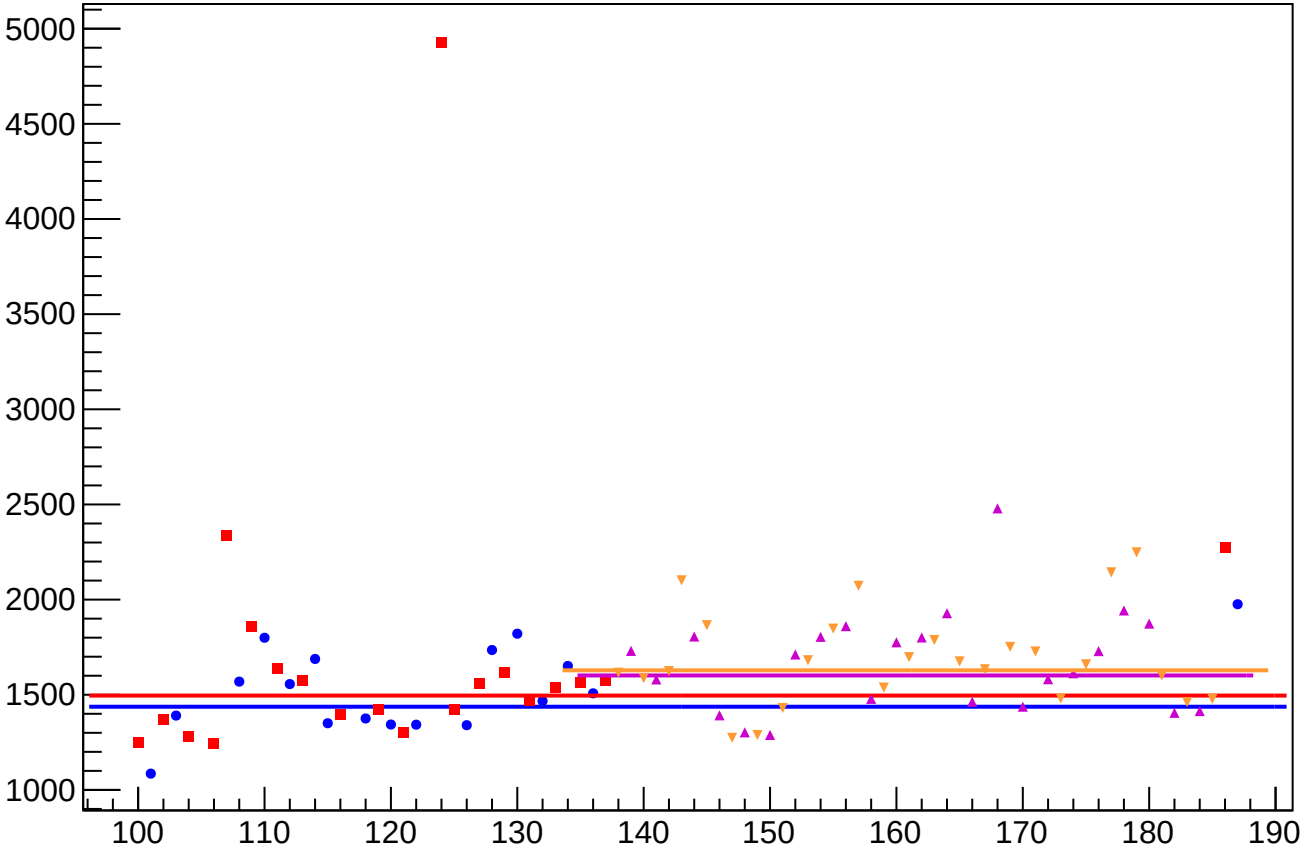
Right: 2443.812+/-380.024 χ^2/NDF: 31.9/36

In: 2264.050+/-309.163 χ^2/NDF:32.2/39

Out: 2025.826+/-308.282 χ^2/NDF:47.5/44

All: 2144.598+/-218.299 χ^2/NDF: 80.0/84

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1437.116+/-0.378 χ^2/NDF: 321544.4/16

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1495.653+/-0.382 χ^2/NDF: 468293.0/19

Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

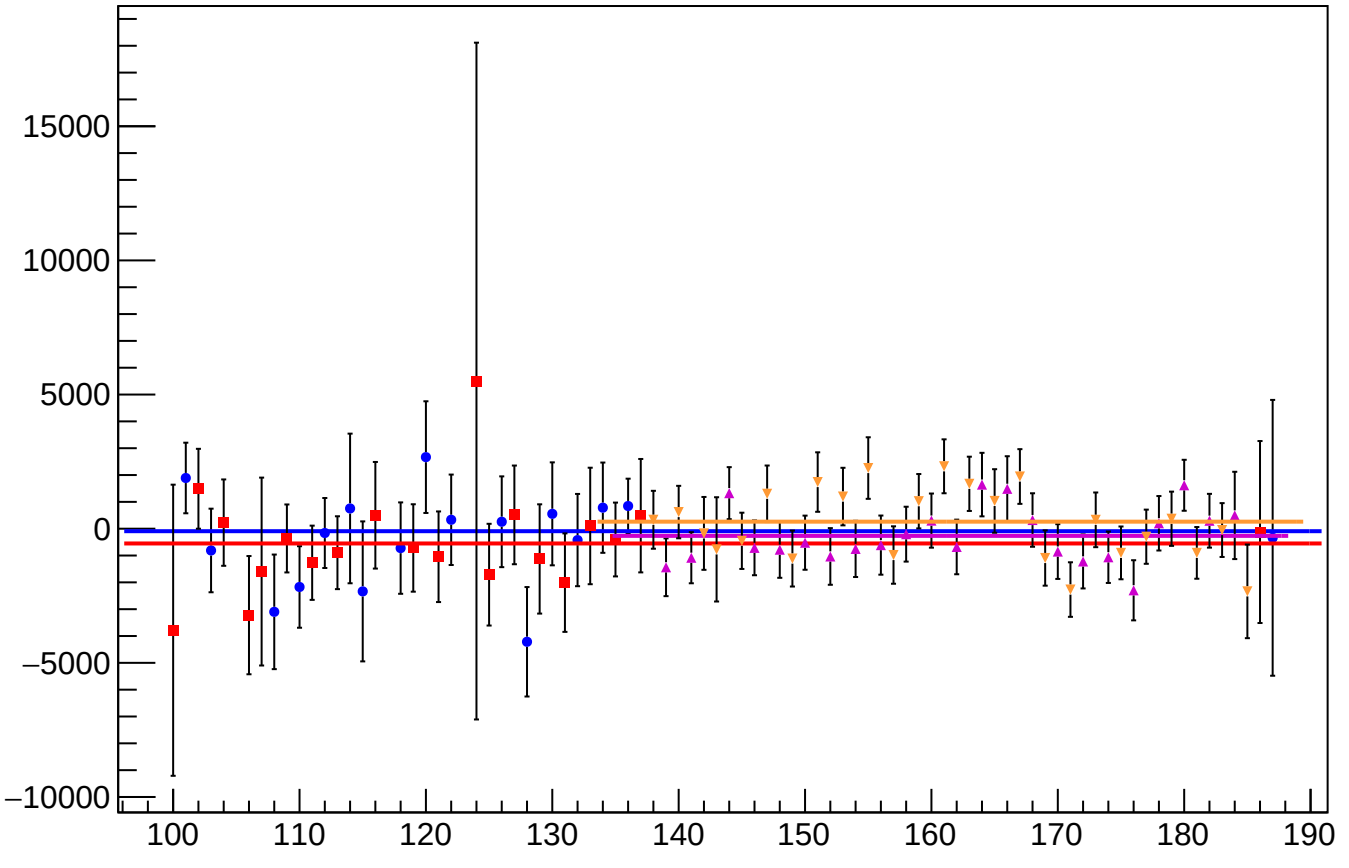
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1466.045+/-0.269 χ^2/NDF: 801699.4/36

In: 1546.469+/-0.219 χ^2/NDF:1241178.4/39

Out: 1585.281+/-0.218 χ^2/NDF:1328865.1/44

All: 1565.930+/-0.154 χ^2/NDF: 2585848.9/84



Right In: -92.877+/-408.659 χ^2/NDF: 14.5/16

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -550.566+/-408.353 χ^2/NDF: 6.8/19

Left In: -267.059+/-217.685 χ^2/NDF:21.4/22

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

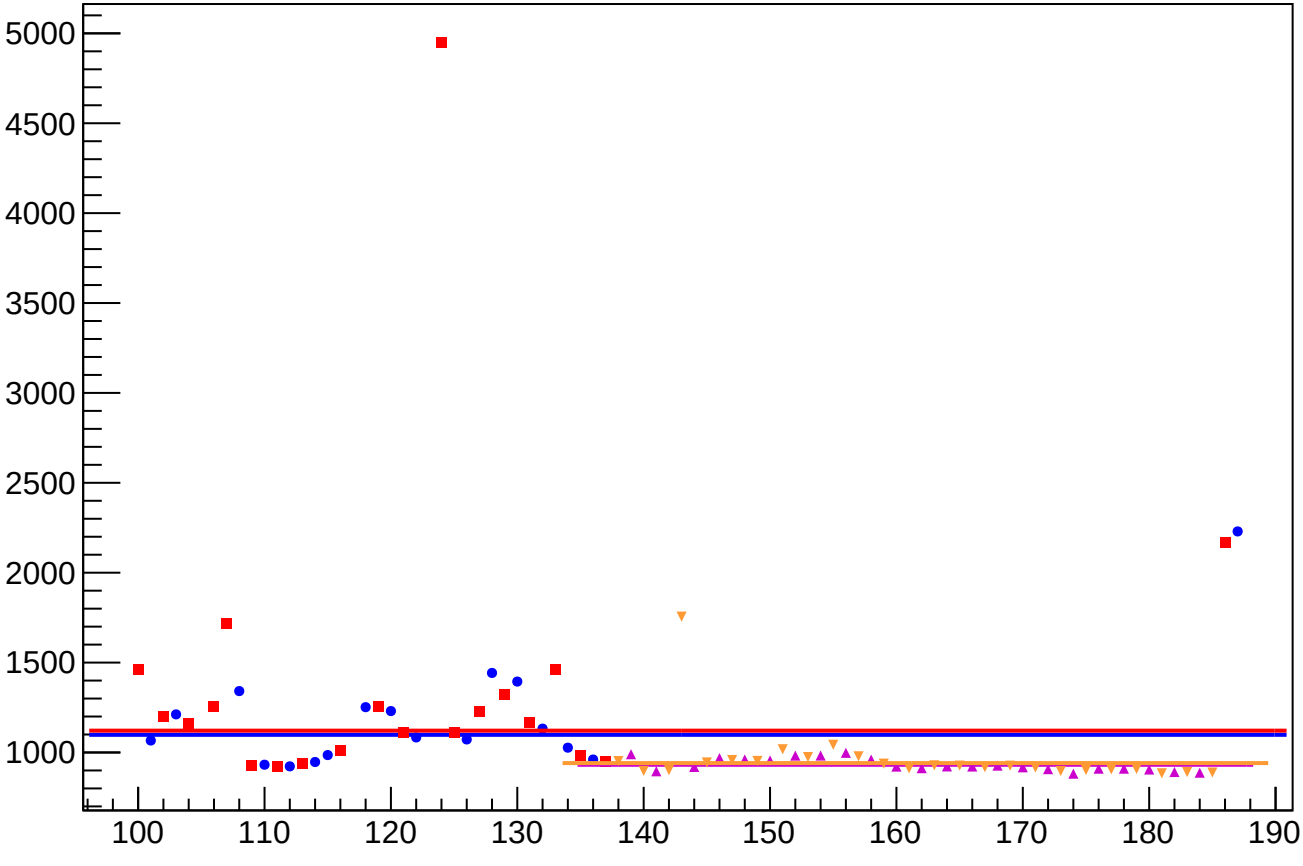
Right: -321.893+/-288.857 χ^2/NDF: 21.9/36

In: -228.560+/-192.127 χ^2/NDF:36.0/39

Out: 85.988+/-190.216 χ^2/NDF:43.8/44

All: -69.714+/-135.174 χ^2/NDF: 81.2/84

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1098.237+/-0.289 χ^2/NDF: 374796.1/16

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1121.431+/-0.289 χ^2/NDF: 707068.6/19

Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

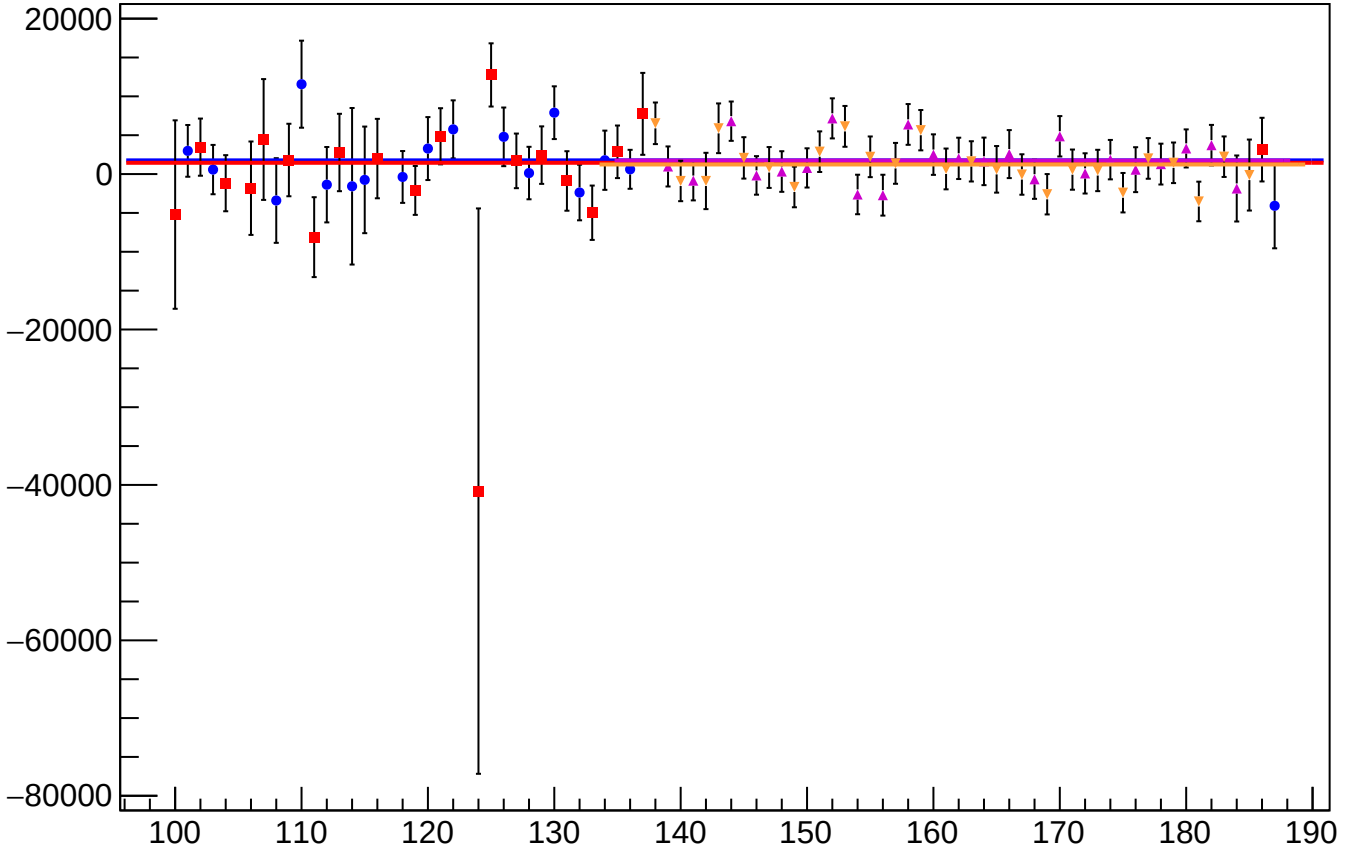
Right: 1109.843+/-0.204 χ^2/NDF: 1085088.5/36

In: 968.402+/-0.136 χ^2/NDF:682871.3/39

Out: 980.161+/-0.135 χ^2/NDF:1430474.1/44

All: 974.340+/-0.096 χ^2/NDF: 2117128.4/84

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1762.150+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1451.439+/-957.795 χ^2/NDF: 22.0/19

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

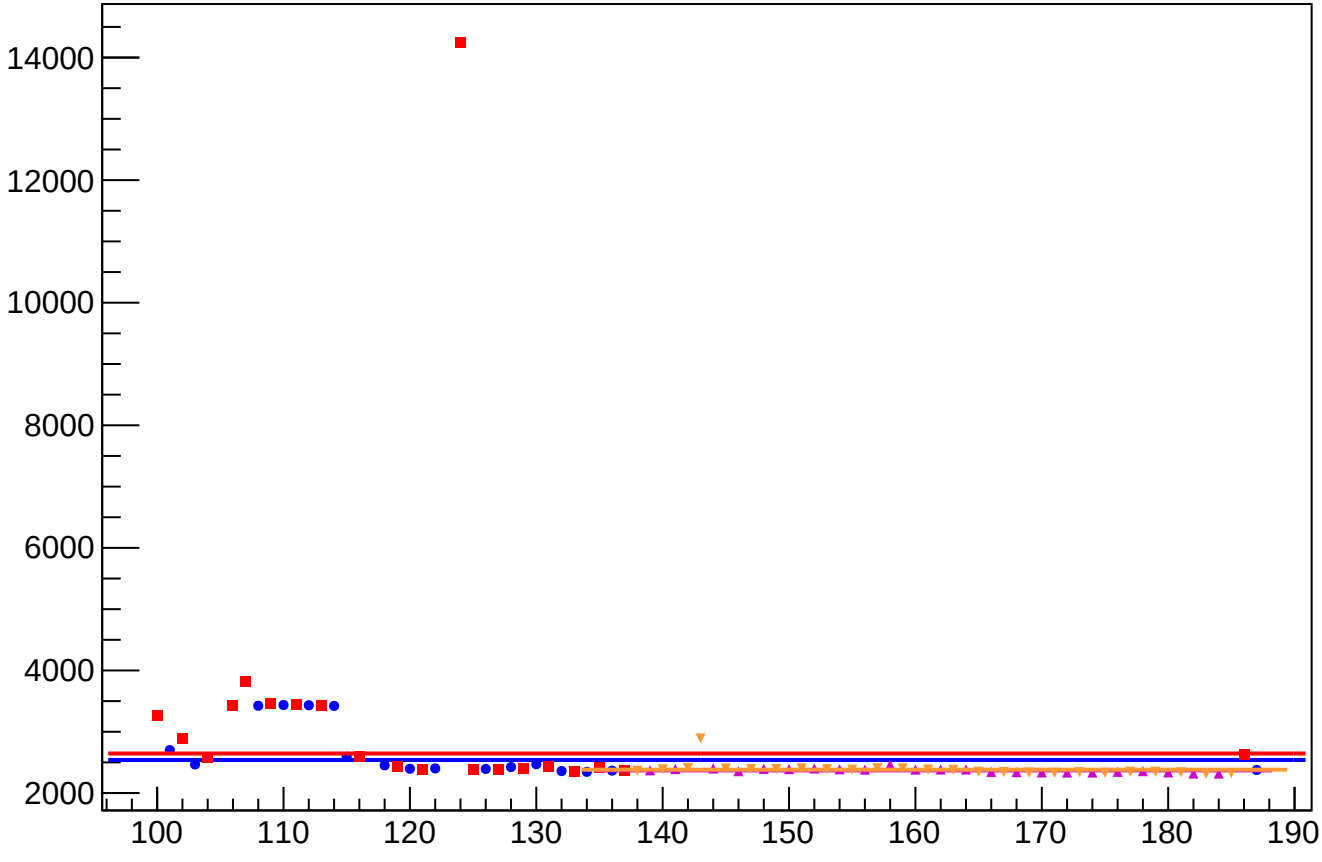
Right: 1609.972+/-670.302 χ^2/NDF: 35.5/36

In: 1746.997+/-476.591 χ^2/NDF:37.8/39

Out: 1287.188+/-471.242 χ^2/NDF:45.9/44

All: 1514.498+/-335.093 χ^2/NDF: 84.2/84

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.026+/-0.677 χ^2/NDF: 536979.7/19

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

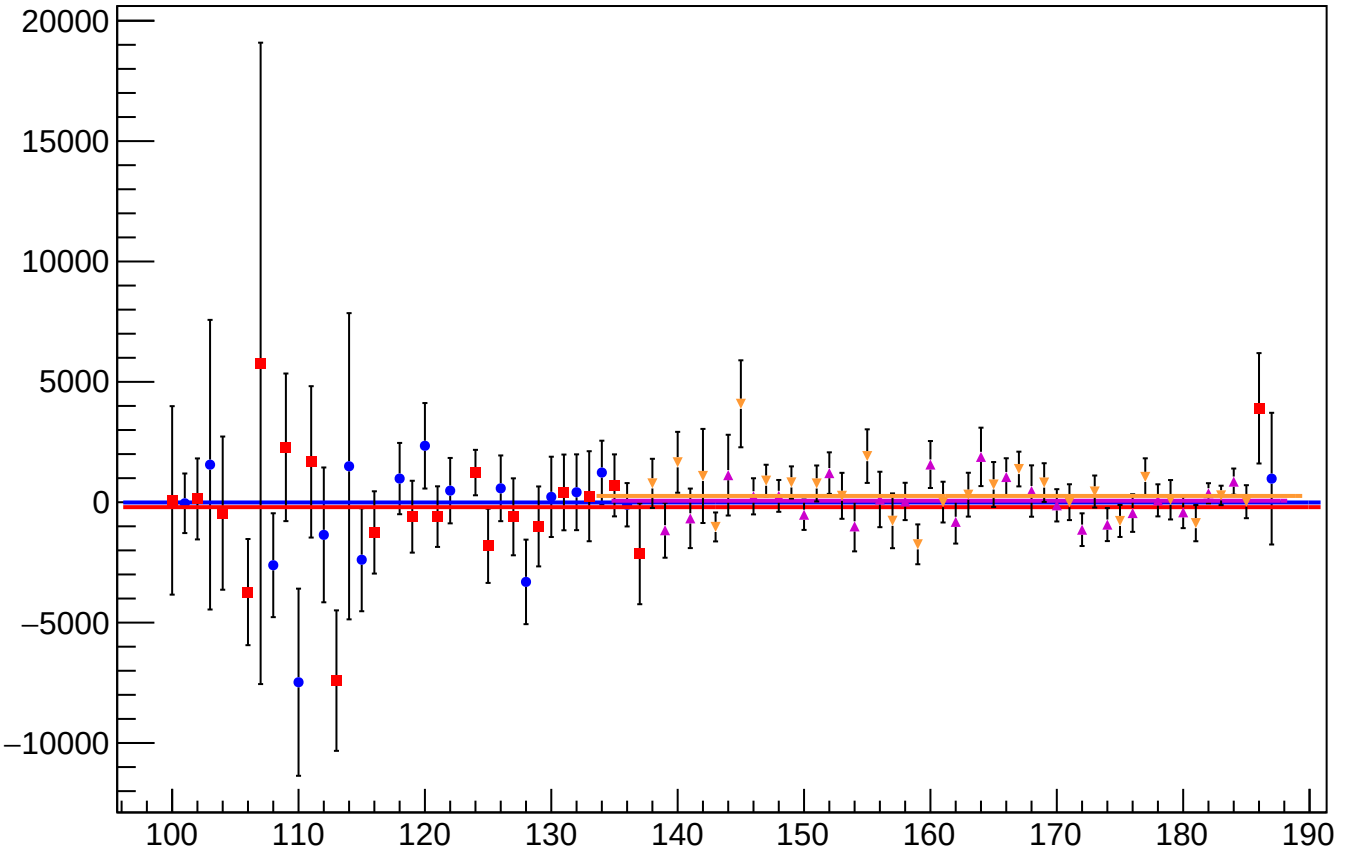
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2591.165+/-0.474 χ^2/NDF: 776824.4/36

In: 2413.254+/-0.337 χ^2/NDF:283235.6/39

Out: 2445.091+/-0.333 χ^2/NDF:709585.4/44

All: 2429.352+/-0.237 χ^2/NDF: 997333.9/84



Right In: -9.427+/-401.335 χ^2/NDF: 13.9/16

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -204.378+/-392.678 χ^2/NDF: 18.9/19

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

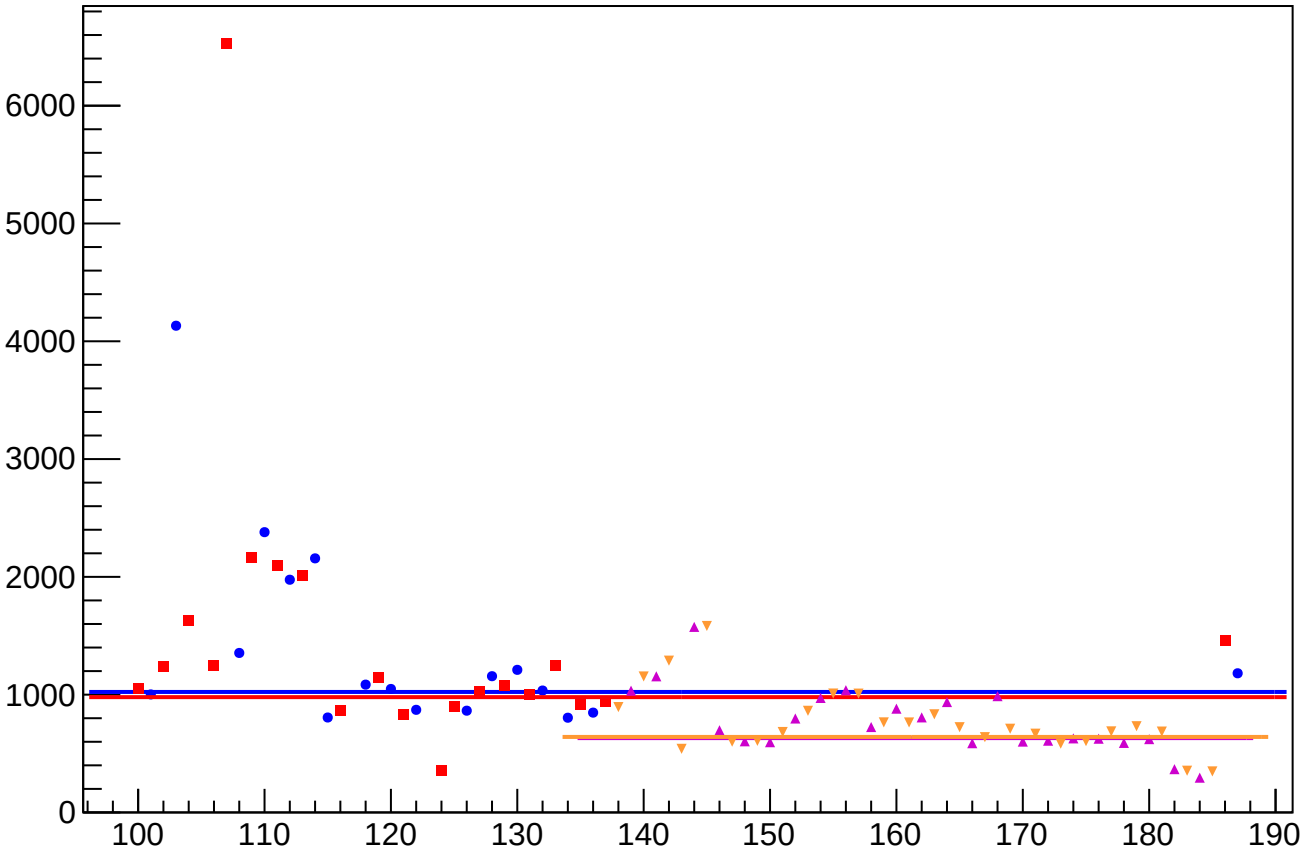
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -109.028+/-280.676 χ^2/NDF: 33.0/36

In: 52.444+/-146.528 χ^2/NDF:35.9/39

Out: 199.718+/-143.376 χ^2/NDF:51.3/44

All: 127.682+/-102.479 χ^2/NDF: 87.7/84



Right In: 1023.011+/-0.284 χ^2/NDF: 1371612.1/16

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 978.949+/-0.278 χ^2/NDF: 2400466.7/19

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

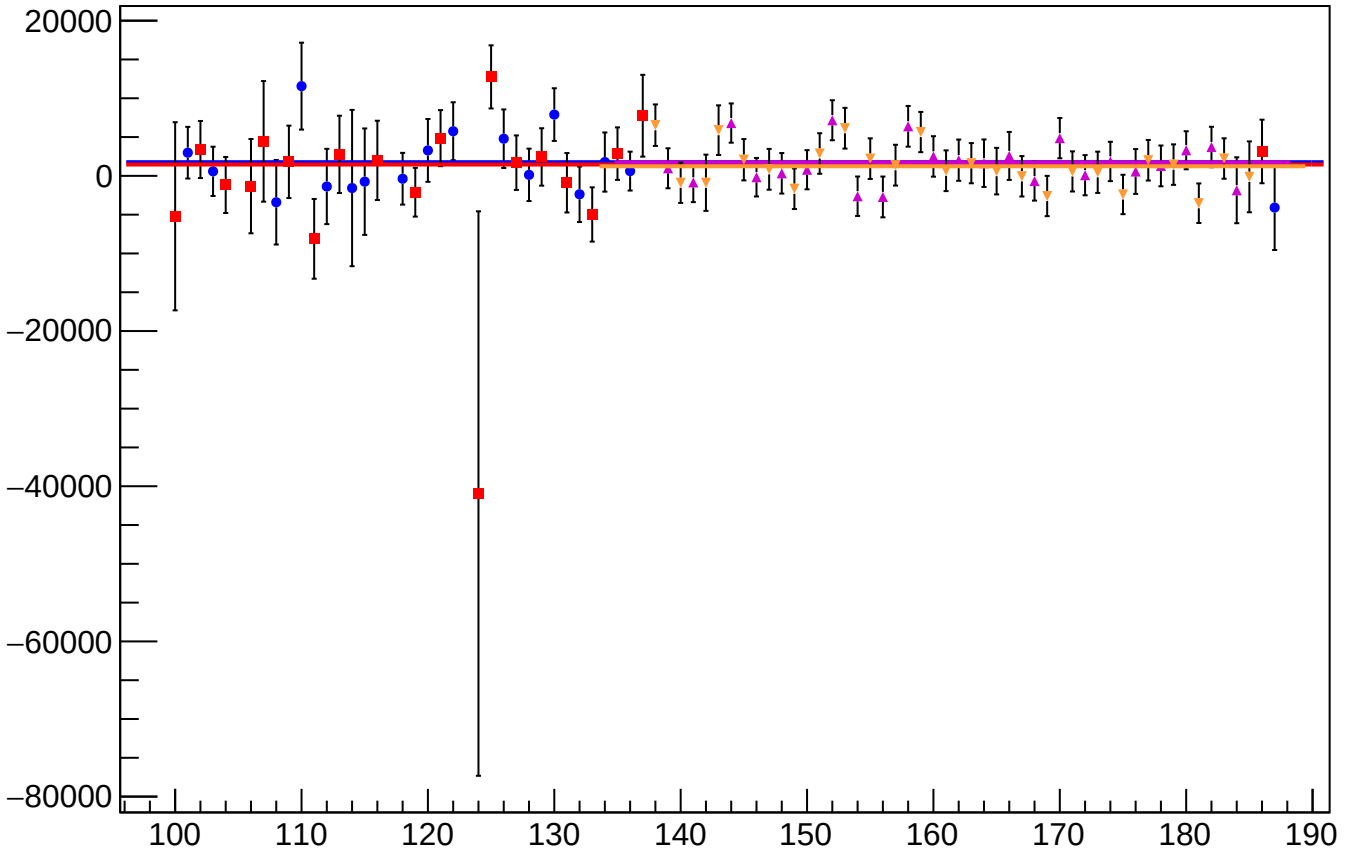
Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

Right: 1000.499+/-0.198 χ^2/NDF: 3784395.4/36

In: 683.427+/-0.104 χ^2/NDF:6999171.6/39

Out: 686.189+/-0.101 χ^2/NDF:7158002.5/44

All: 684.838+/-0.072 χ^2/NDF: 14157537.2/84



Right In: 1762.480+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1460.603+/-958.071 χ^2/NDF: 21.9/19

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

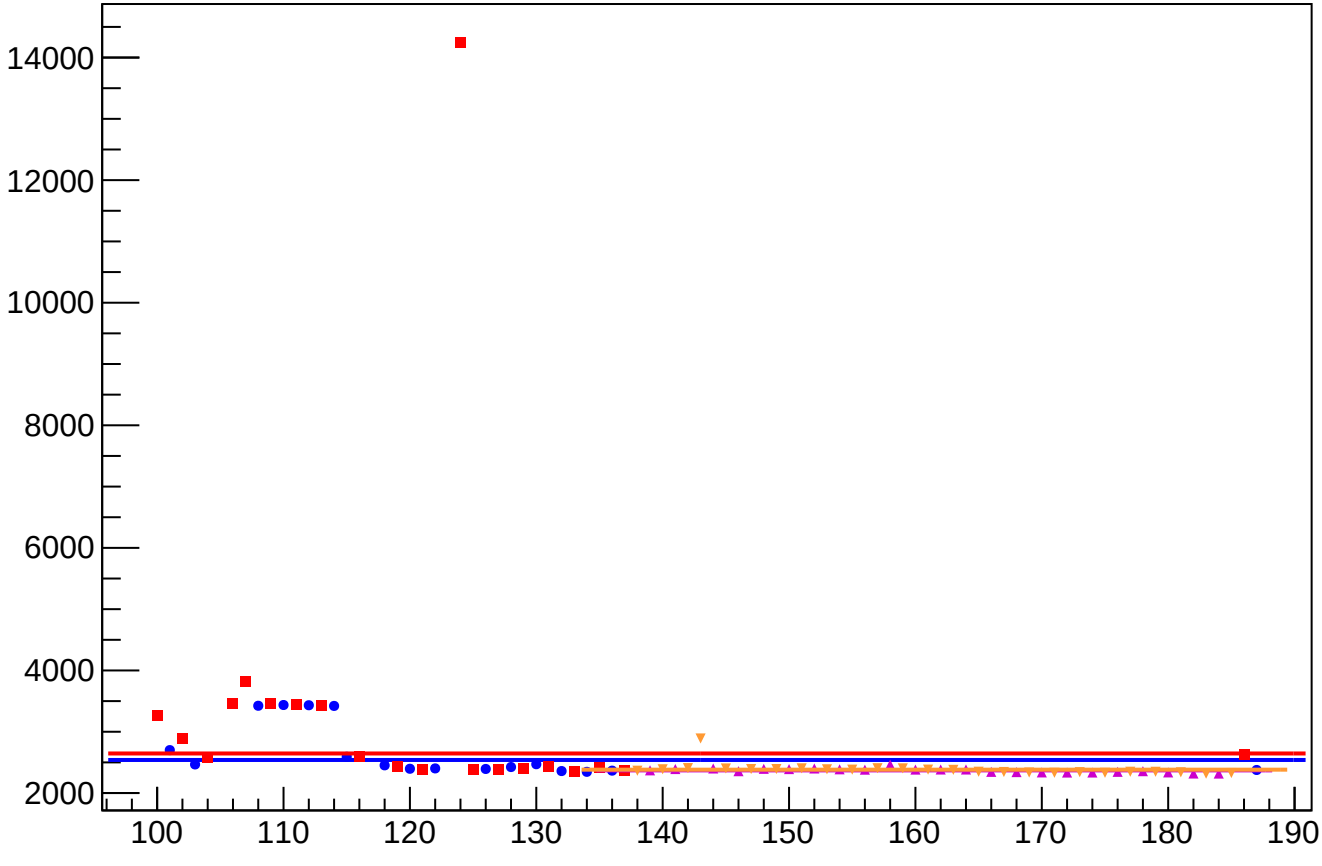
Right: 1614.672+/-670.397 χ^2/NDF: 35.4/36

In: 1747.122+/-476.591 χ^2/NDF:37.8/39

Out: 1289.365+/-471.275 χ^2/NDF:45.8/44

All: 1515.676+/-335.105 χ^2/NDF: 84.1/84

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.551+/-0.677 χ^2/NDF: 539562.8/19

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

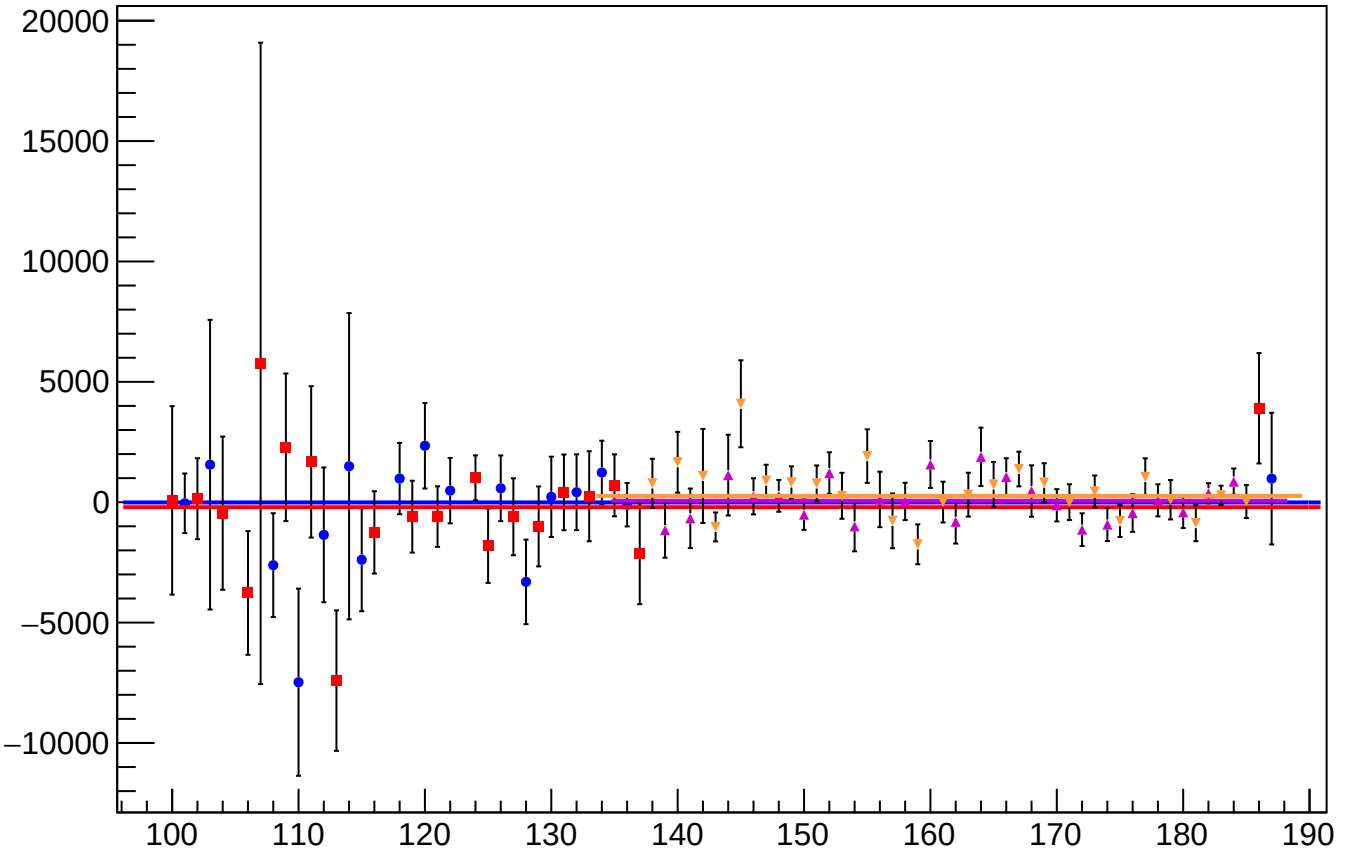
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2591.408+/-0.474 χ^2/NDF: 779527.4/36

In: 2413.254+/-0.337 χ^2/NDF:283235.6/39

Out: 2445.191+/-0.333 χ^2/NDF:712576.5/44

All: 2429.401+/-0.237 χ^2/NDF: 1000352.9/84



Right In: -9.488+/-401.332 χ^2/NDF: 13.9/16

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -207.287+/-393.411 χ^2/NDF: 17.7/19

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

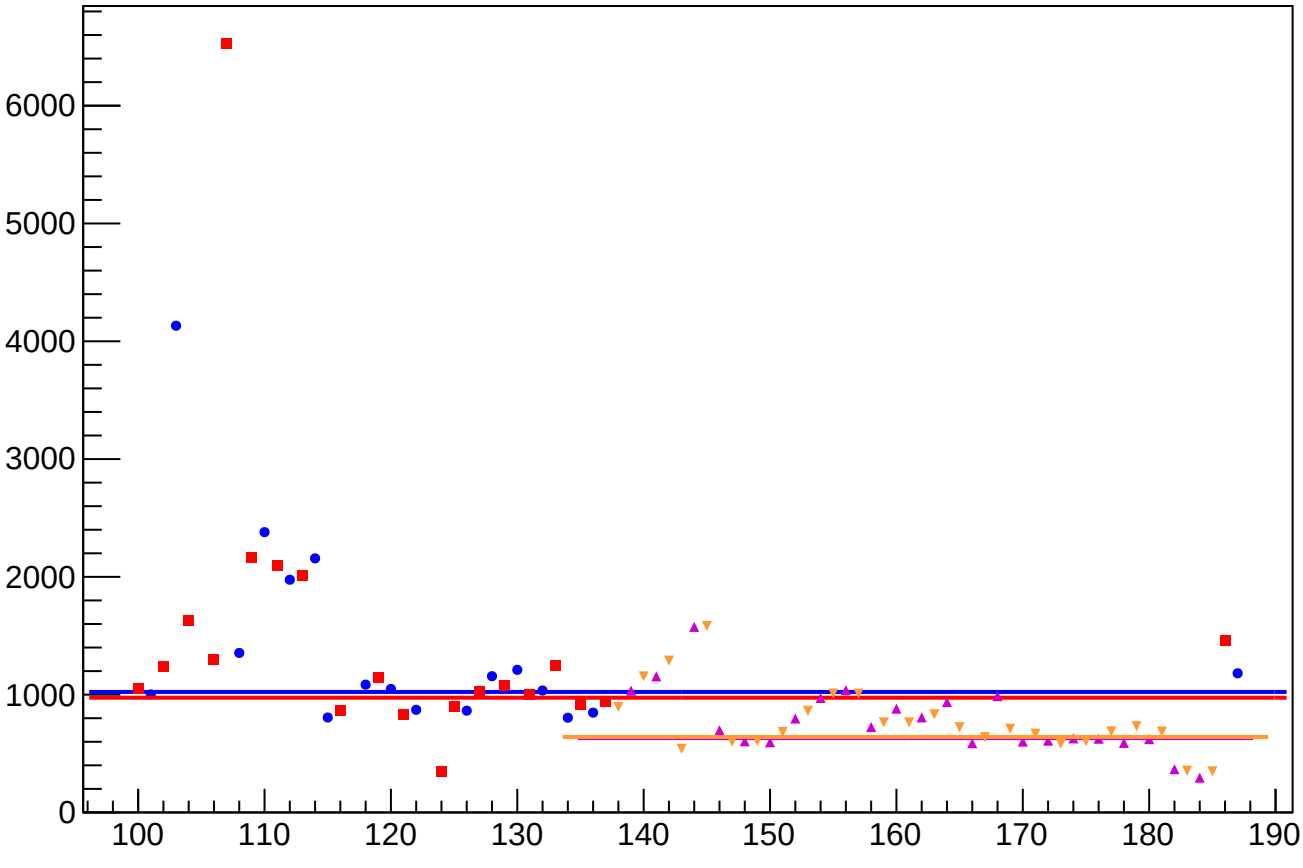
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -110.359+/-280.942 χ^2/NDF: 31.7/36

In: 52.450+/-146.528 χ^2/NDF:35.9/39

Out: 199.776+/-143.414 χ^2/NDF:50.0/44

All: 127.695+/-102.492 χ^2/NDF: 86.5/84



Right In: 1023.002+/-0.284 χ^2/NDF: 1371607.2/16

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 974.116+/-0.278 χ^2/NDF: 2437377.6/19

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

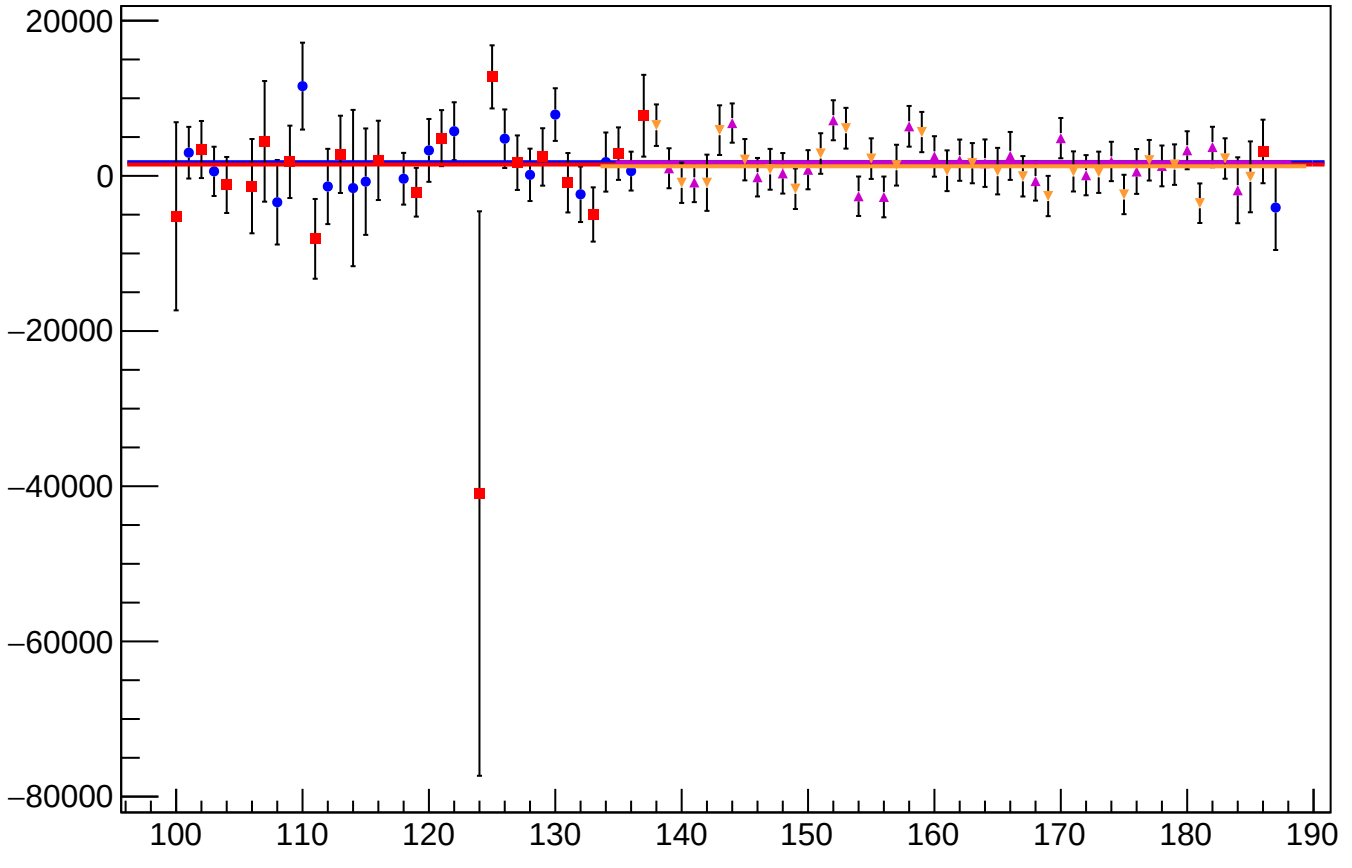
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 998.072+/-0.199 χ^2/NDF: 3824118.3/36

In: 683.424+/-0.104 χ^2/NDF:6999260.8/39

Out: 685.414+/-0.101 χ^2/NDF:7154081.2/44

All: 684.441+/-0.072 χ^2/NDF: 14153530.4/84



Right In: 1762.480+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1460.603+/-958.071 χ^2/NDF: 21.9/19

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

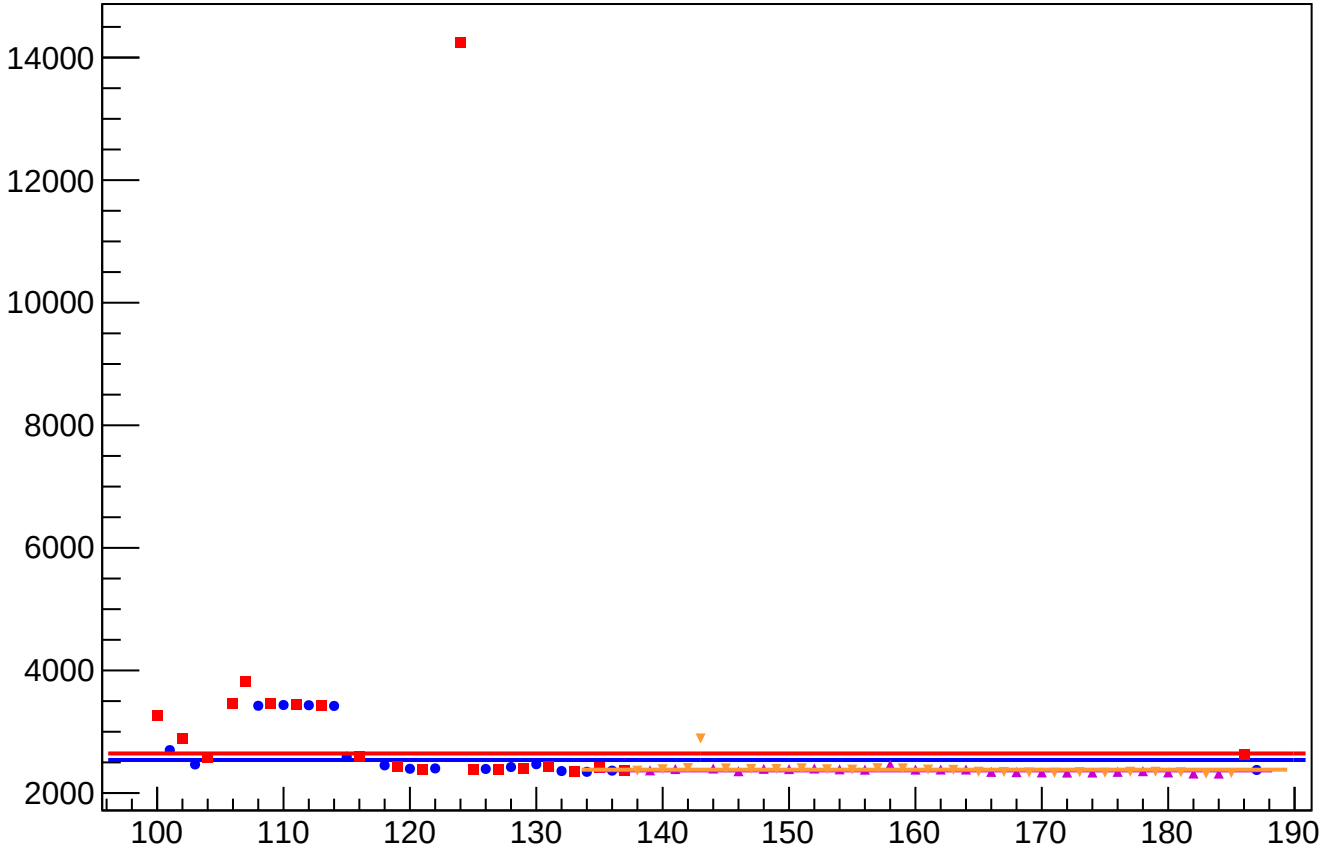
Right: 1614.672+/-670.397 χ^2/NDF: 35.4/36

In: 1747.122+/-476.591 χ^2/NDF:37.8/39

Out: 1289.365+/-471.275 χ^2/NDF:45.8/44

All: 1515.676+/-335.105 χ^2/NDF: 84.1/84

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.551+/-0.677 χ^2/NDF: 539562.8/19

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

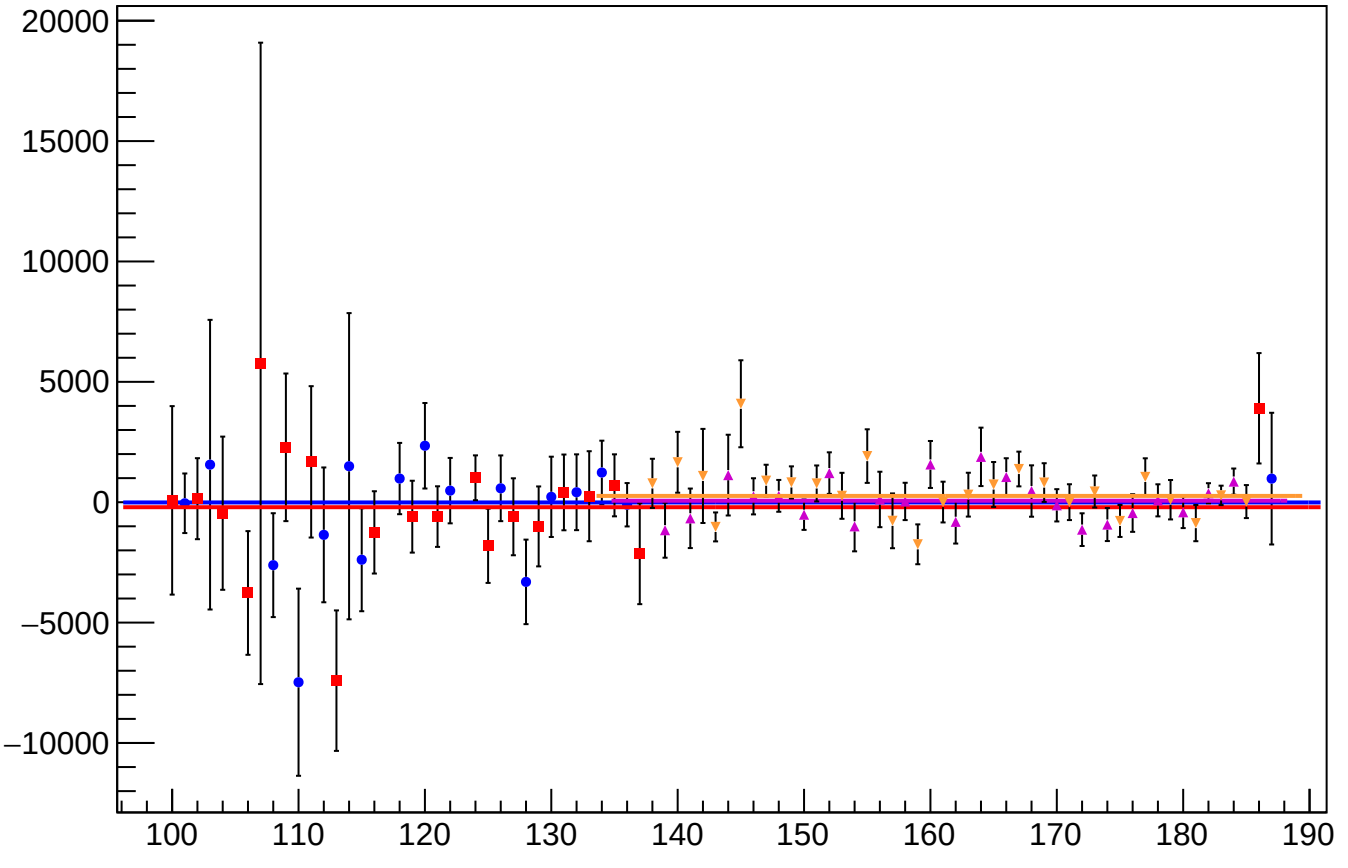
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2591.408+/-0.474 χ^2/NDF: 779527.4/36

In: 2413.254+/-0.337 χ^2/NDF:283235.6/39

Out: 2445.191+/-0.333 χ^2/NDF:712576.5/44

All: 2429.401+/-0.237 χ^2/NDF: 1000352.9/84



Right In: -9.488+/-401.332 χ^2/NDF: 13.9/16

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -207.287+/-393.411 χ^2/NDF: 17.7/19

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

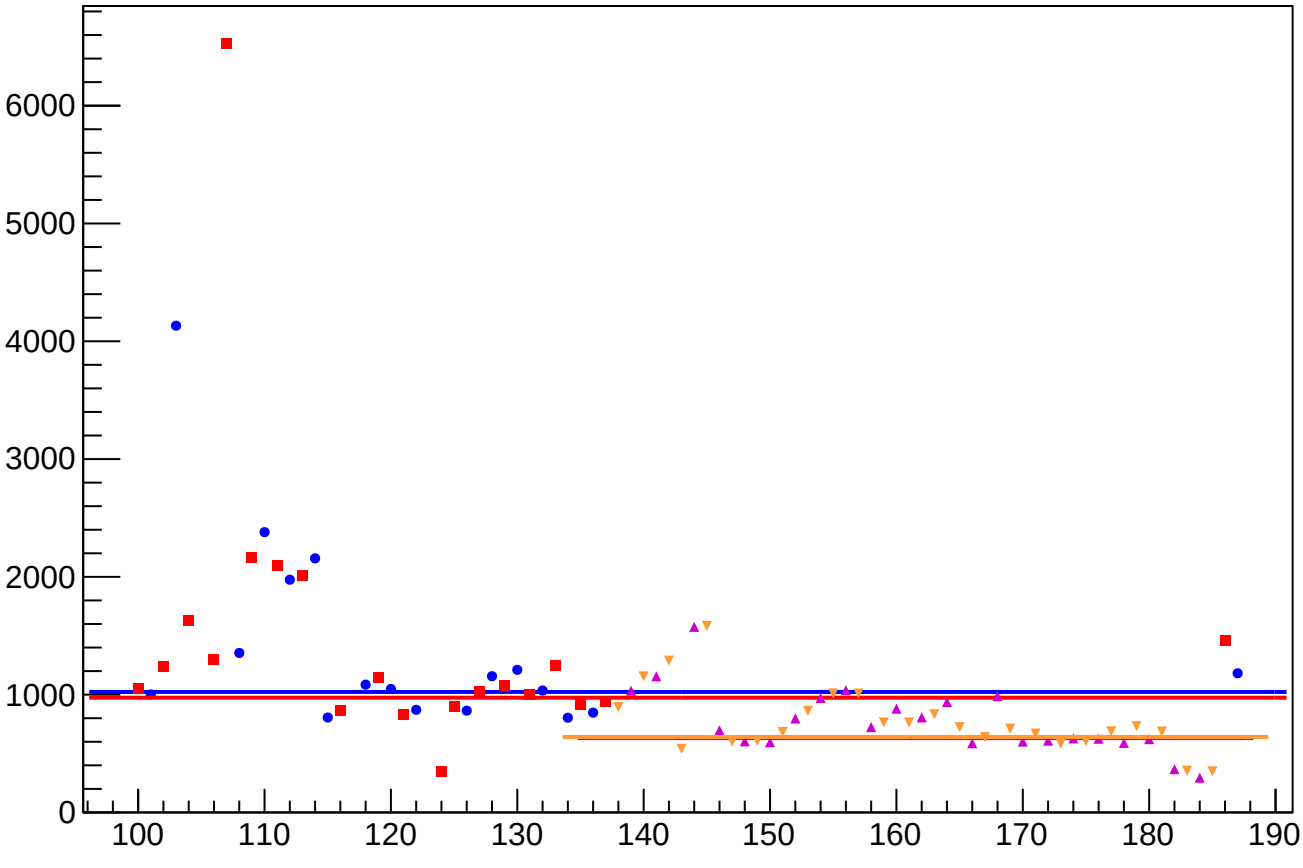
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -110.359+/-280.942 χ^2/NDF: 31.7/36

In: 52.450+/-146.528 χ^2/NDF:35.9/39

Out: 199.776+/-143.414 χ^2/NDF:50.0/44

All: 127.695+/-102.492 χ^2/NDF: 86.5/84



Right In: 1023.002+/-0.284 χ^2/NDF: 1371607.2/16

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 974.116+/-0.278 χ^2/NDF: 2437377.6/19

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

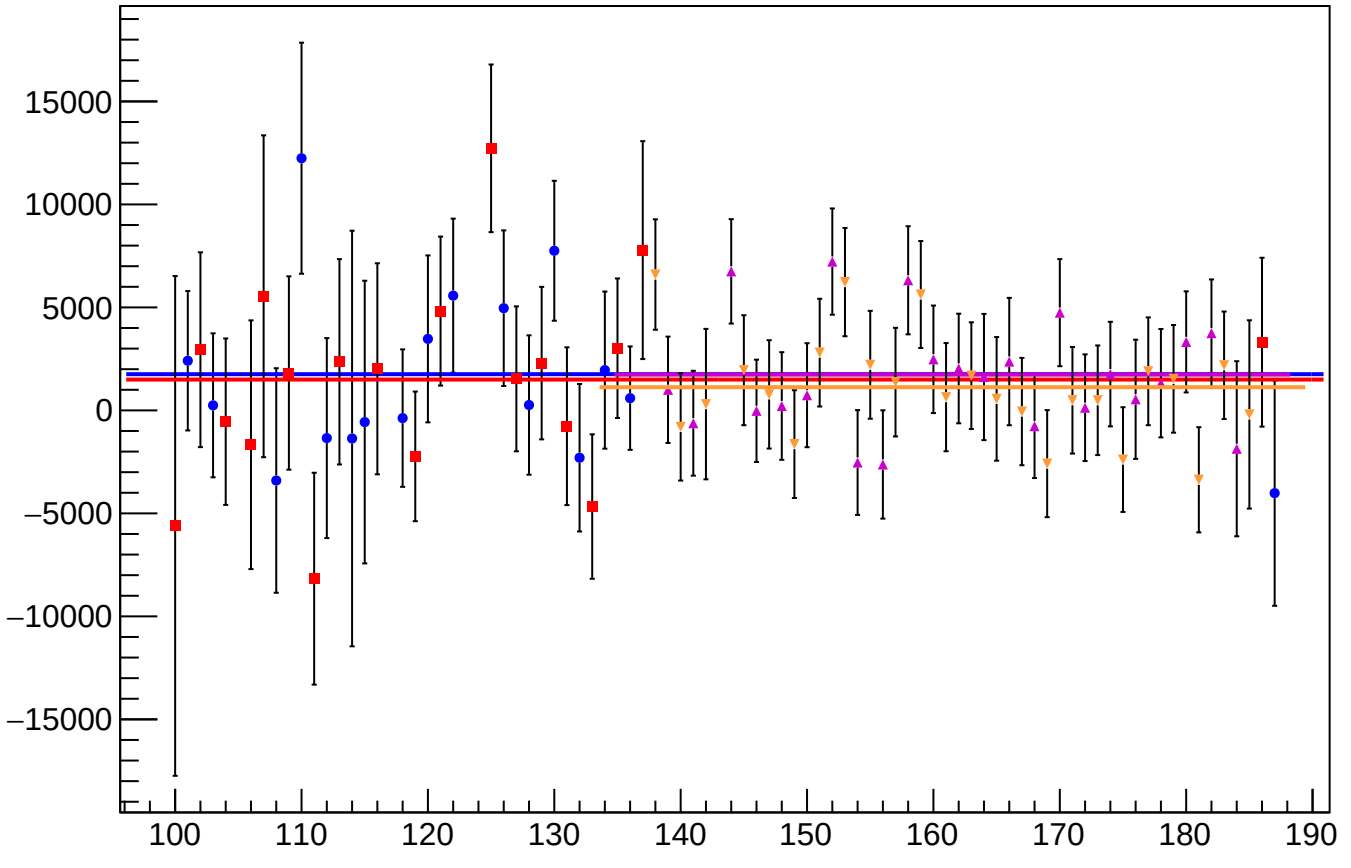
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 998.072+/-0.199 χ^2/NDF: 3824118.3/36

In: 683.424+/-0.104 χ^2/NDF:6999260.8/39

Out: 685.414+/-0.101 χ^2/NDF:7154081.2/44

All: 684.441+/-0.072 χ^2/NDF: 14153530.4/84



Right In: 1757.397+/-947.775 χ^2/NDF: 13.5/16

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1497.436+/-979.850 χ^2/NDF: 20.0/18

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

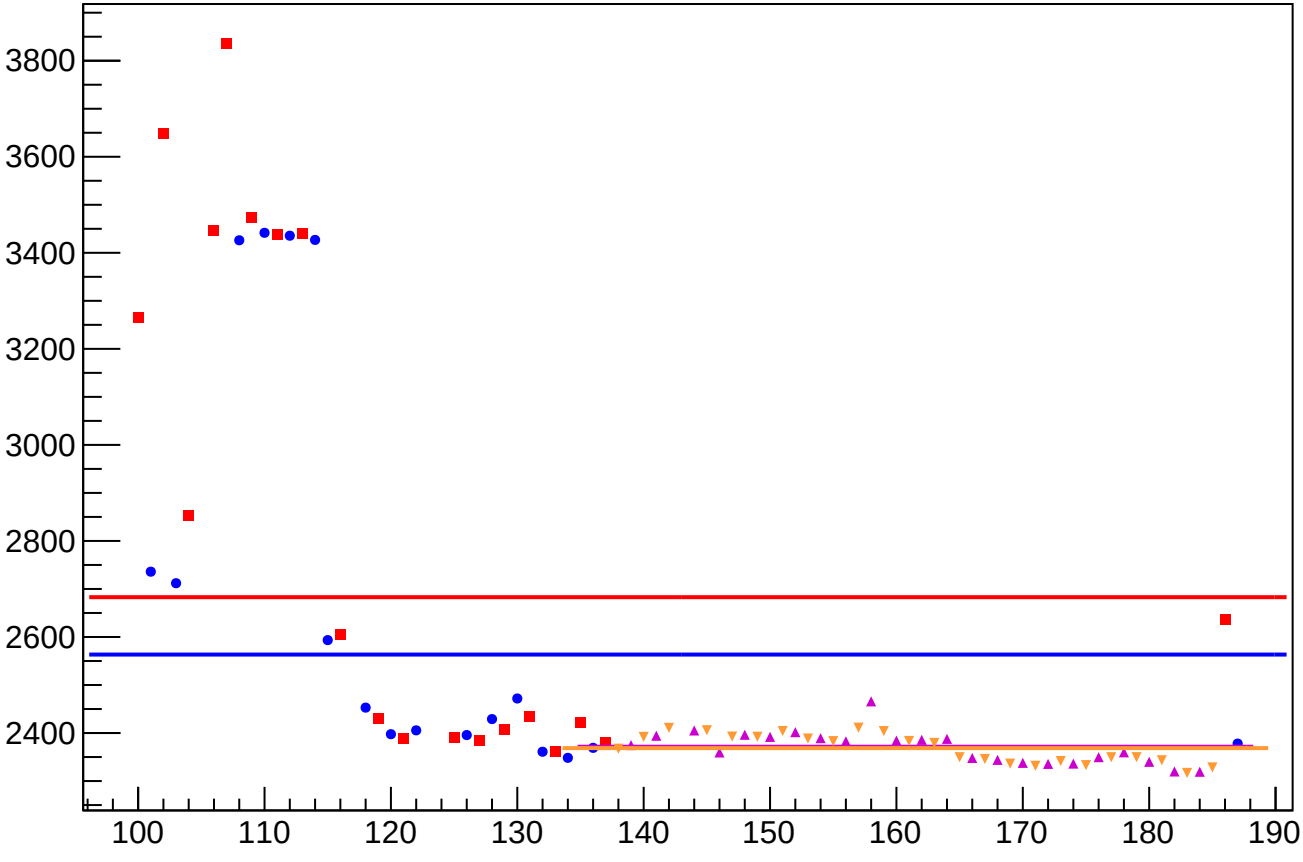
Right: 1631.741+/-681.235 χ^2/NDF: 33.5/35

In: 1746.145+/-478.127 χ^2/NDF:37.3/39

Out: 1214.616+/-479.500 χ^2/NDF:41.3/42

All: 1481.143+/-338.571 χ^2/NDF: 79.2/82

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2563.394+/-0.670 χ^2/NDF: 231855.6/16

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2682.887+/-0.693 χ^2/NDF: 419531.9/18

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

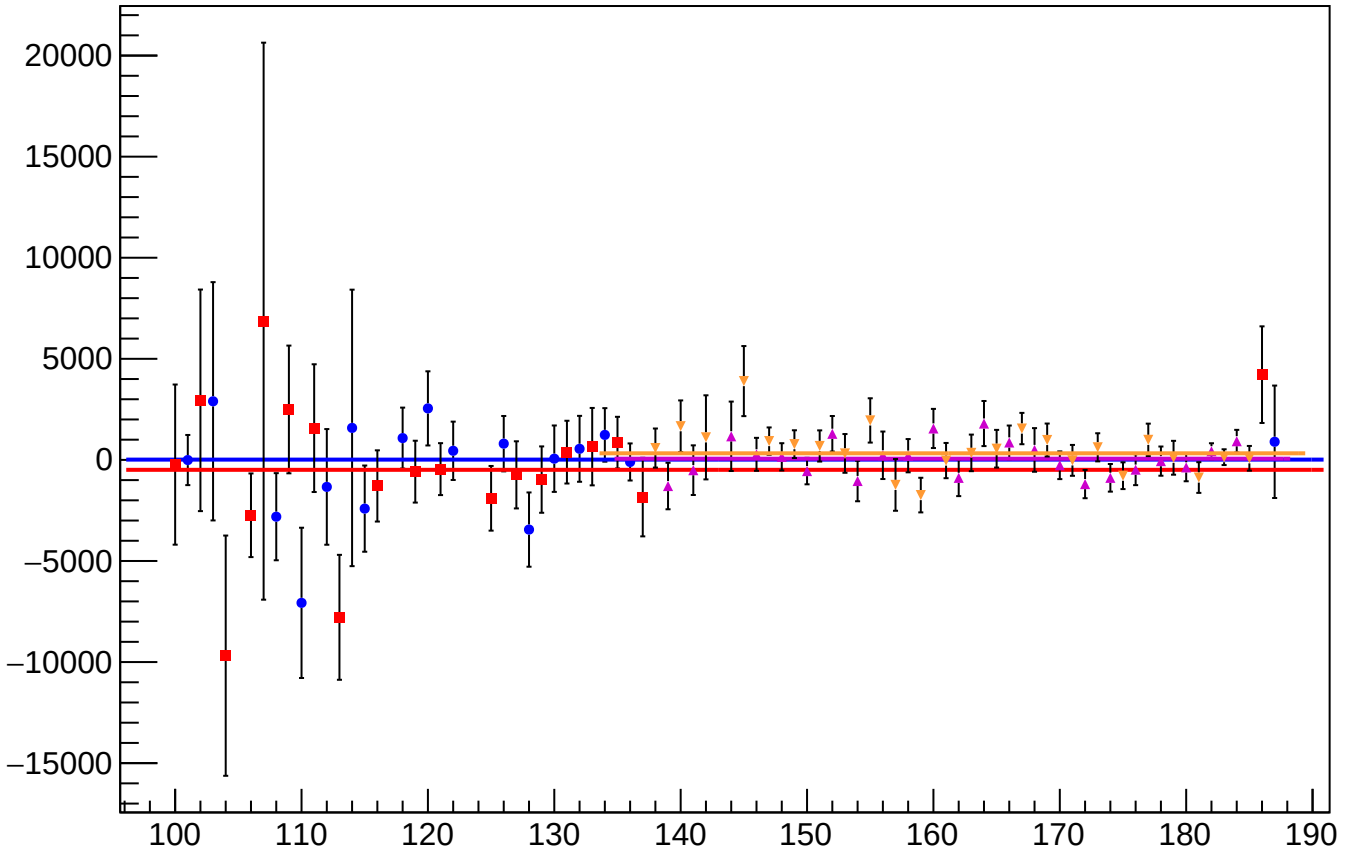
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2621.153+/-0.482 χ^2/NDF: 666754.2/35

In: 2420.349+/-0.338 χ^2/NDF:300019.1/39

Out: 2443.840+/-0.339 χ^2/NDF:581621.0/42

All: 2432.061+/-0.239 χ^2/NDF: 884047.1/82



Right In: 14.204+/-407.792 χ^2/NDF: 14.6/16

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -491.156+/-452.194 χ^2/NDF: 18.4/18

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

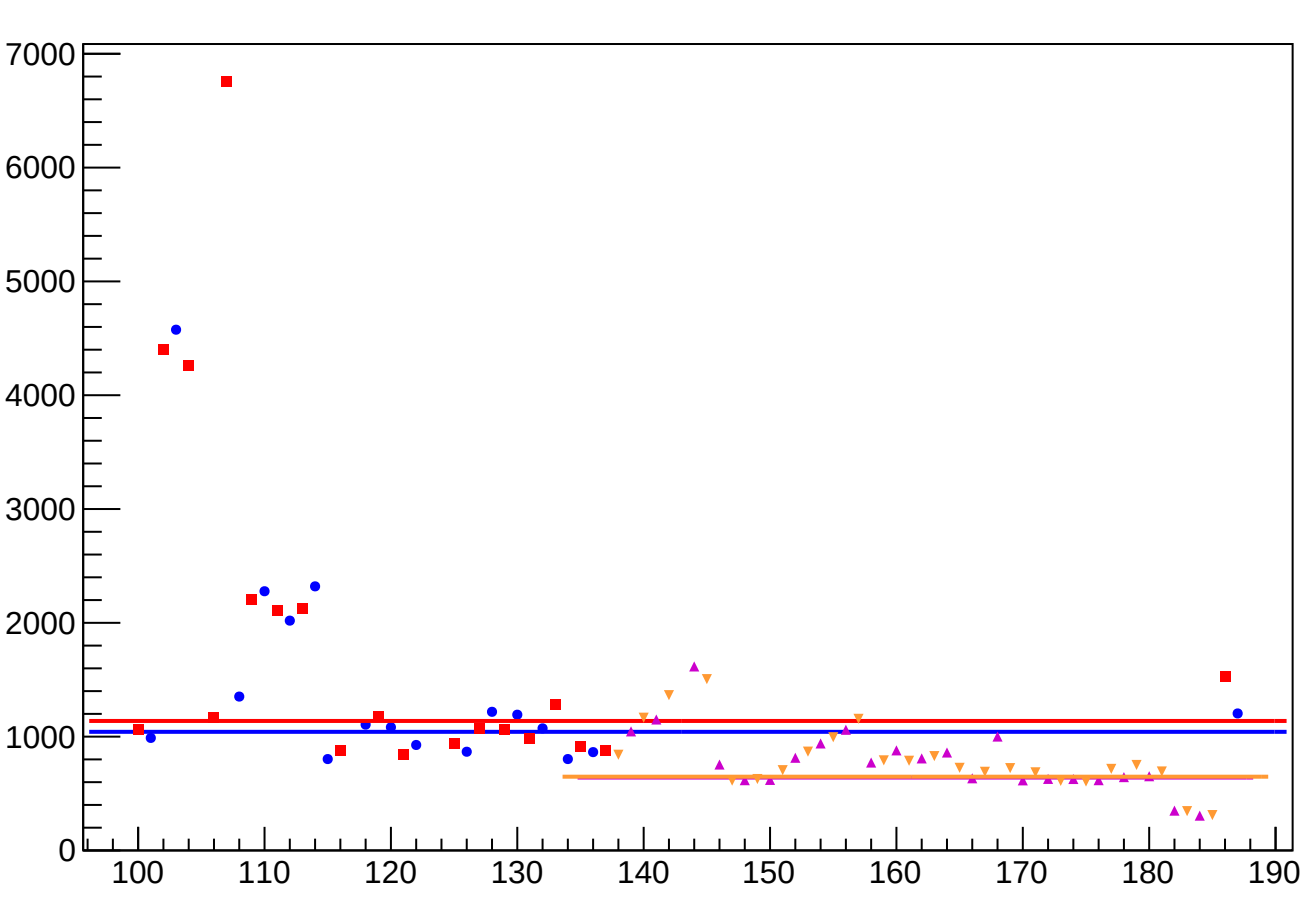
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -212.453+/-302.837 χ^2/NDF: 33.7/35

In: 53.582+/-148.679 χ^2/NDF:37.3/39

Out: 234.997+/-150.871 χ^2/NDF:48.1/42

All: 142.962+/-105.898 χ^2/NDF: 86.1/82



Right In: 1042.351+/-0.288 χ^2/NDF: 1546620.4/16

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 1137.828+/-0.320 χ^2/NDF: 2589783.7/18

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

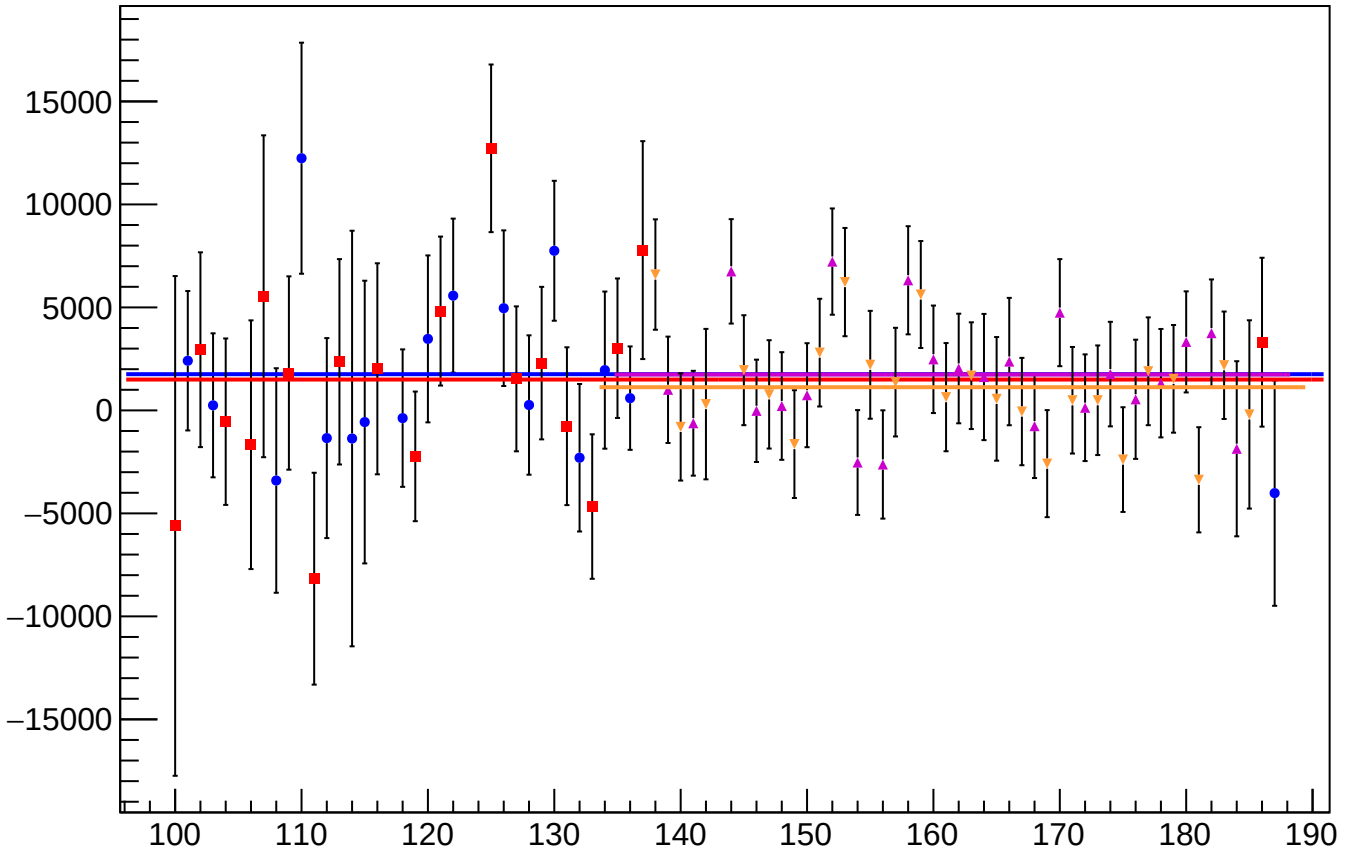
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 1085.173+/-0.214 χ^2/NDF: 4185576.7/35

In: 693.850+/-0.105 χ^2/NDF:7360015.5/39

Out: 702.615+/-0.107 χ^2/NDF:8561443.8/42

All: 698.169+/-0.075 χ^2/NDF: 15924884.2/82



Right In: 1757.394+/-947.775 χ^2/NDF: 13.5/16

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1497.433+/-979.850 χ^2/NDF: 20.0/18

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

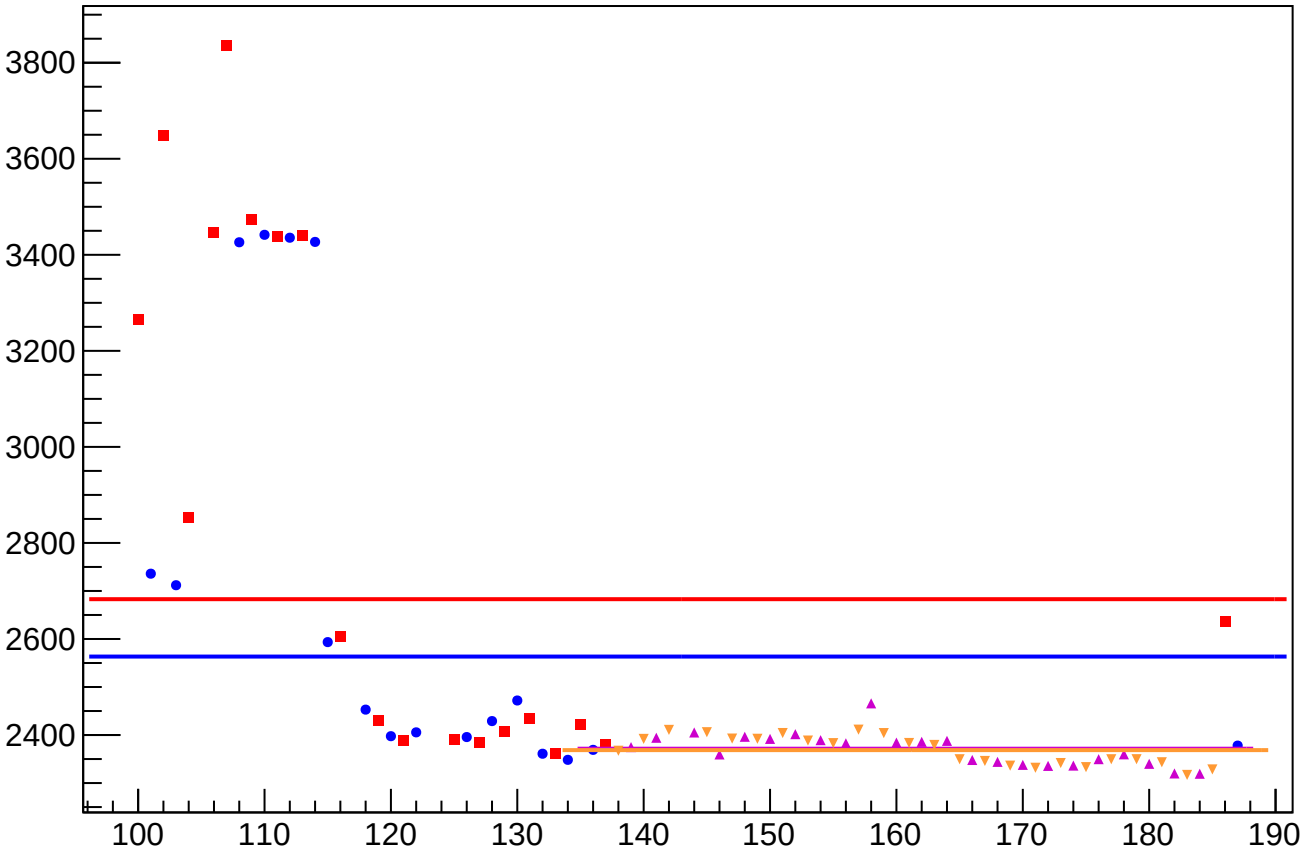
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

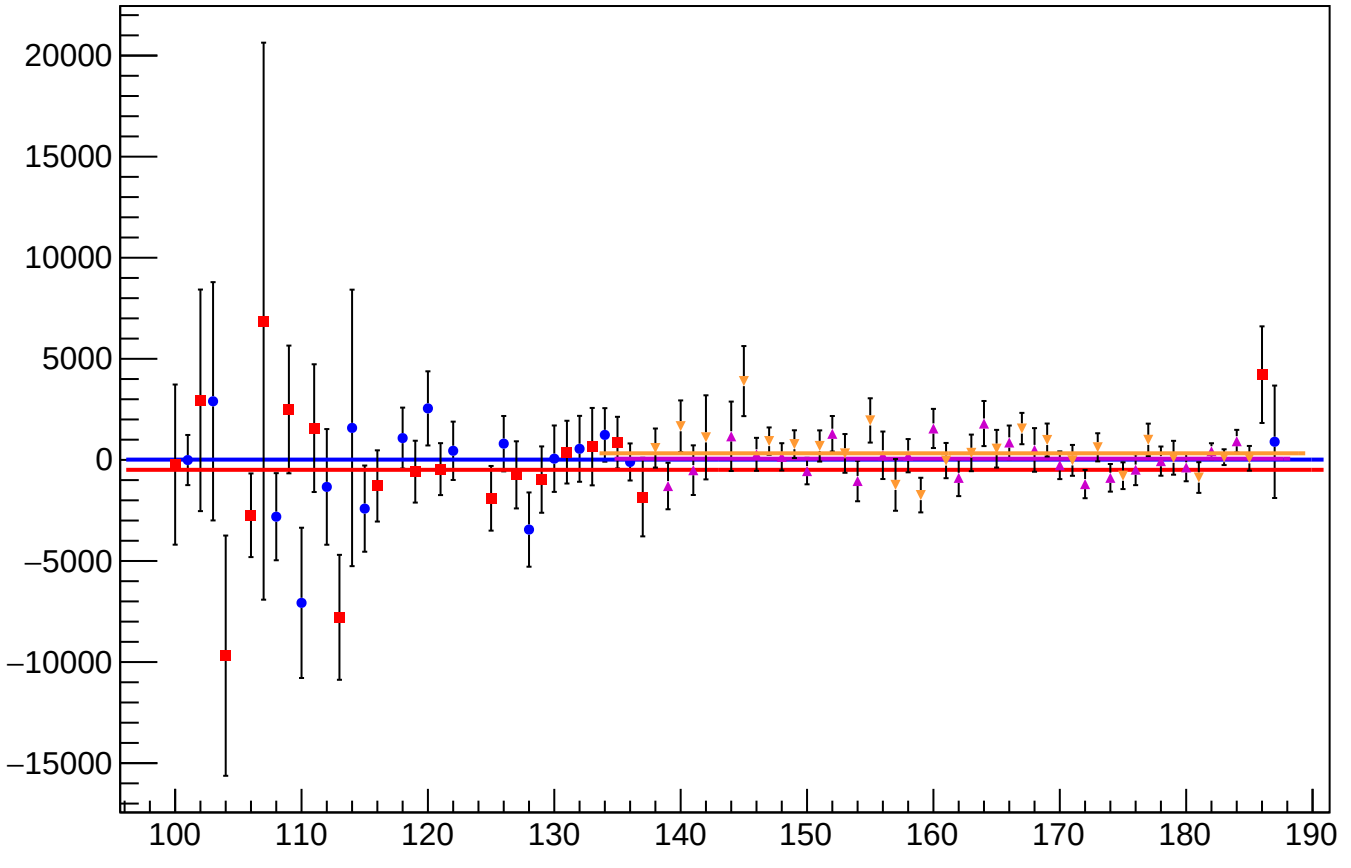
Right: 1631.738+/-681.235 χ^2/NDF: 33.5/35

In: 1746.145+/-478.127 χ^2/NDF:37.3/39

Out: 1214.616+/-479.500 χ^2/NDF:41.3/42

All: 1481.142+/-338.571 χ^2/NDF: 79.2/82


eigen_dit_asym_atl1_rms vs Slug, Sign Corrected
3800
3600
3400
3200
3000
2800
2600
2400
100
110
120
130
140
150
160
170
180
190
Right In: 2563.394+/-0.670 χ²/NDF: 231855.4/16
Left Out: 2368.569+/-0.389 χ²/NDF:5571.3/23
Right Out: 2682.887+/-0.693 χ²/NDF: 419531.3/18
Left In: 2371.518+/-0.392 χ²/NDF:7053.5/22
Left: 2370.033+/-0.276 χ²/NDF: 12653.4/46
Right: 2621.152+/-0.482 χ²/NDF: 666753.3/35
In: 2420.349+/-0.338 χ²/NDF:300018.7/39
Out: 2443.840+/-0.339 χ²/NDF:581620.1/42
All: 2432.061+/-0.239 χ²/NDF: 884045.7/82



Right In: 14.202+/-407.792 χ^2/NDF: 14.6/16

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -491.156+/-452.194 χ^2/NDF: 18.4/18

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

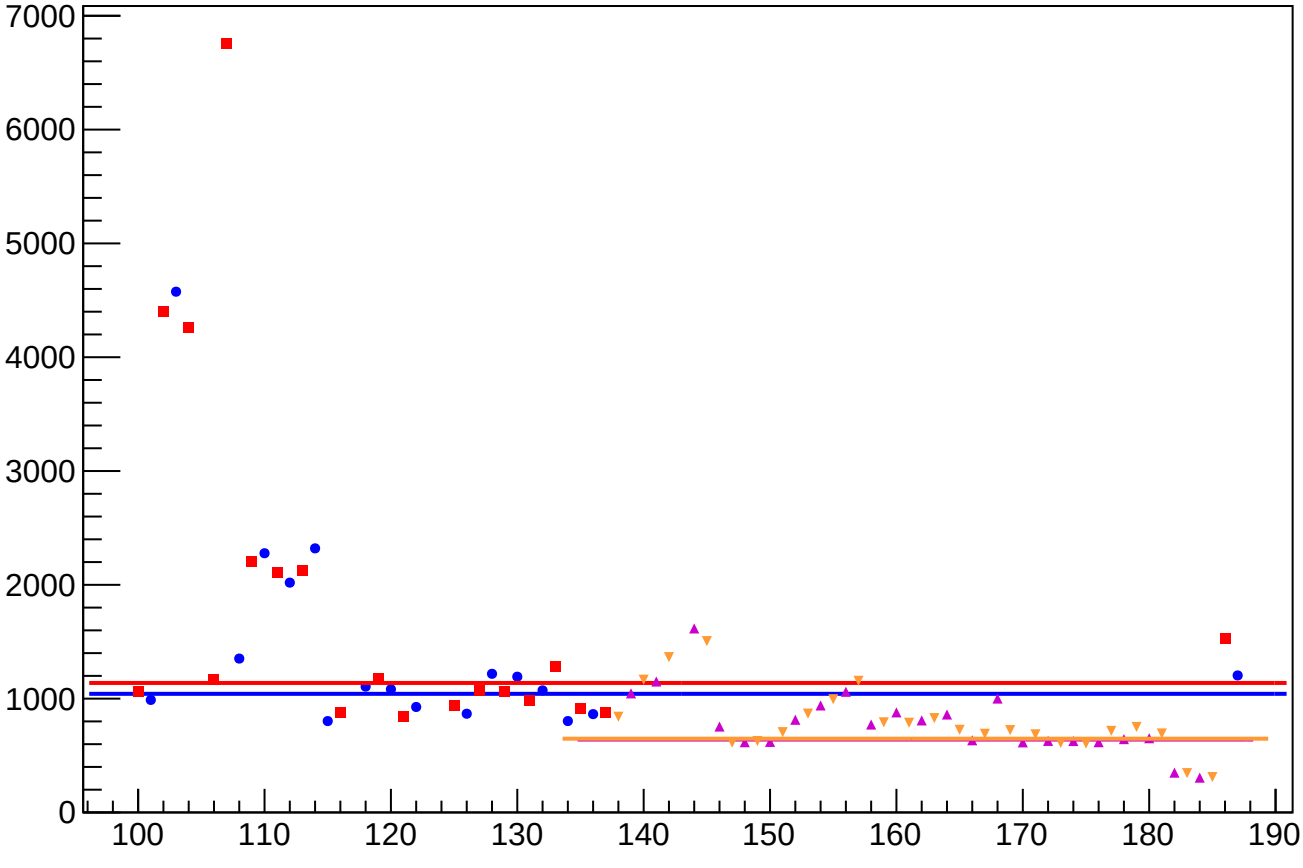
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -212.454+/-302.837 χ^2/NDF: 33.7/35

In: 53.582+/-148.679 χ^2/NDF:37.3/39

Out: 234.996+/-150.871 χ^2/NDF:48.1/42

All: 142.961+/-105.898 χ^2/NDF: 86.1/82



Right In: 1042.351+/-0.288 χ^2/NDF: 1546613.8/16

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 1137.828+/-0.320 χ^2/NDF: 2589781.6/18

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

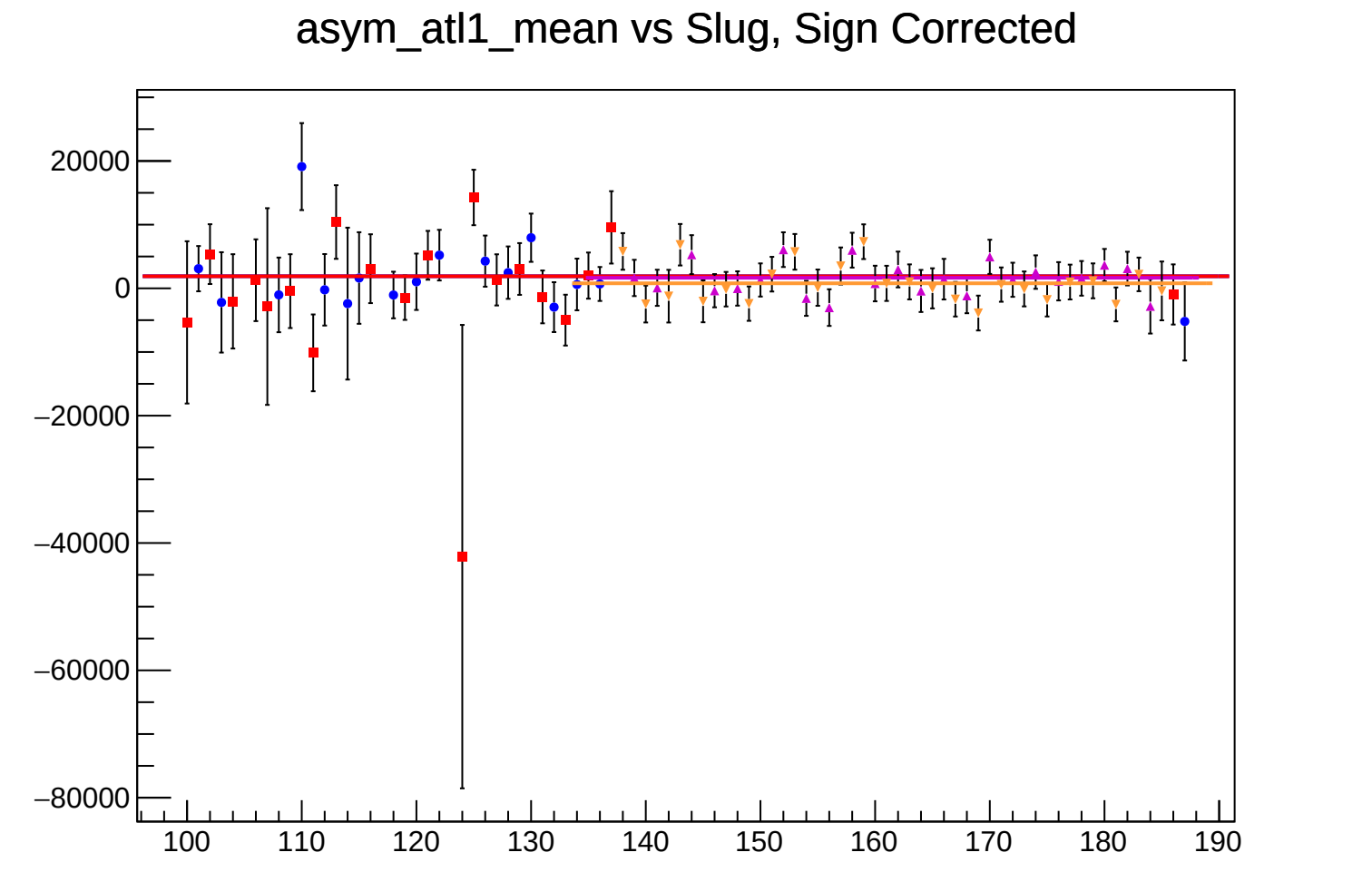
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 1085.173+/-0.214 χ^2/NDF: 4185567.3/35

In: 693.851+/-0.105 χ^2/NDF:7360020.2/39

Out: 702.616+/-0.107 χ^2/NDF:8561444.0/42

All: 698.170+/-0.075 χ^2/NDF: 15924889.2/82



Right In: 1900.322+/-1068.151 χ^2/NDF: 14.7/16

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1894.363+/-1105.276 χ^2/NDF: 24.7/19

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

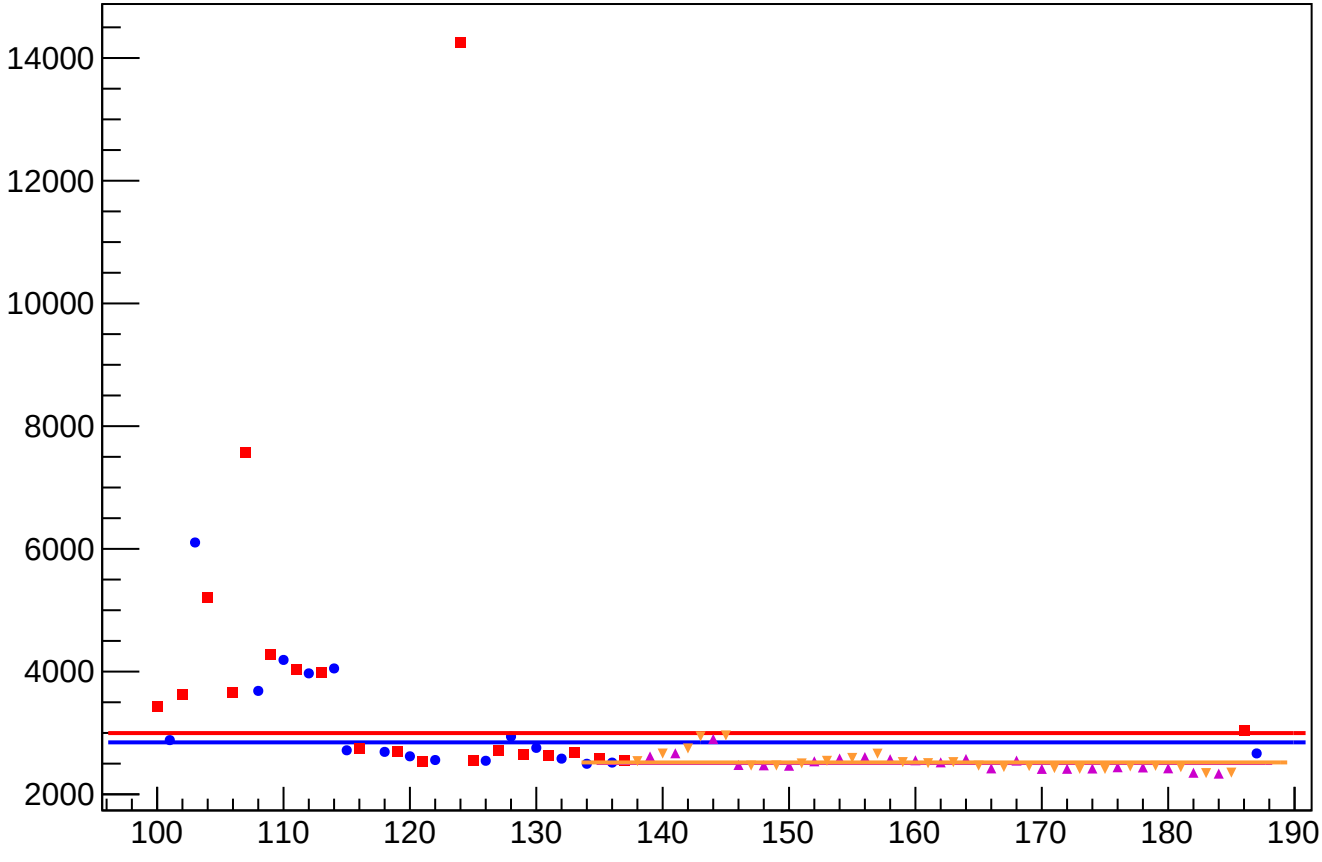
Right: 1897.444+/-768.086 χ^2/NDF: 39.4/36

In: 1711.581+/-514.280 χ^2/NDF:32.1/39

Out: 1025.242+/-508.890 χ^2/NDF:52.6/44

All: 1364.796+/-361.730 χ^2/NDF: 85.6/84

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2846.576+/-0.755 χ^2/NDF: 650494.1/16

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2997.893+/-0.782 χ^2/NDF: 979327.2/19

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

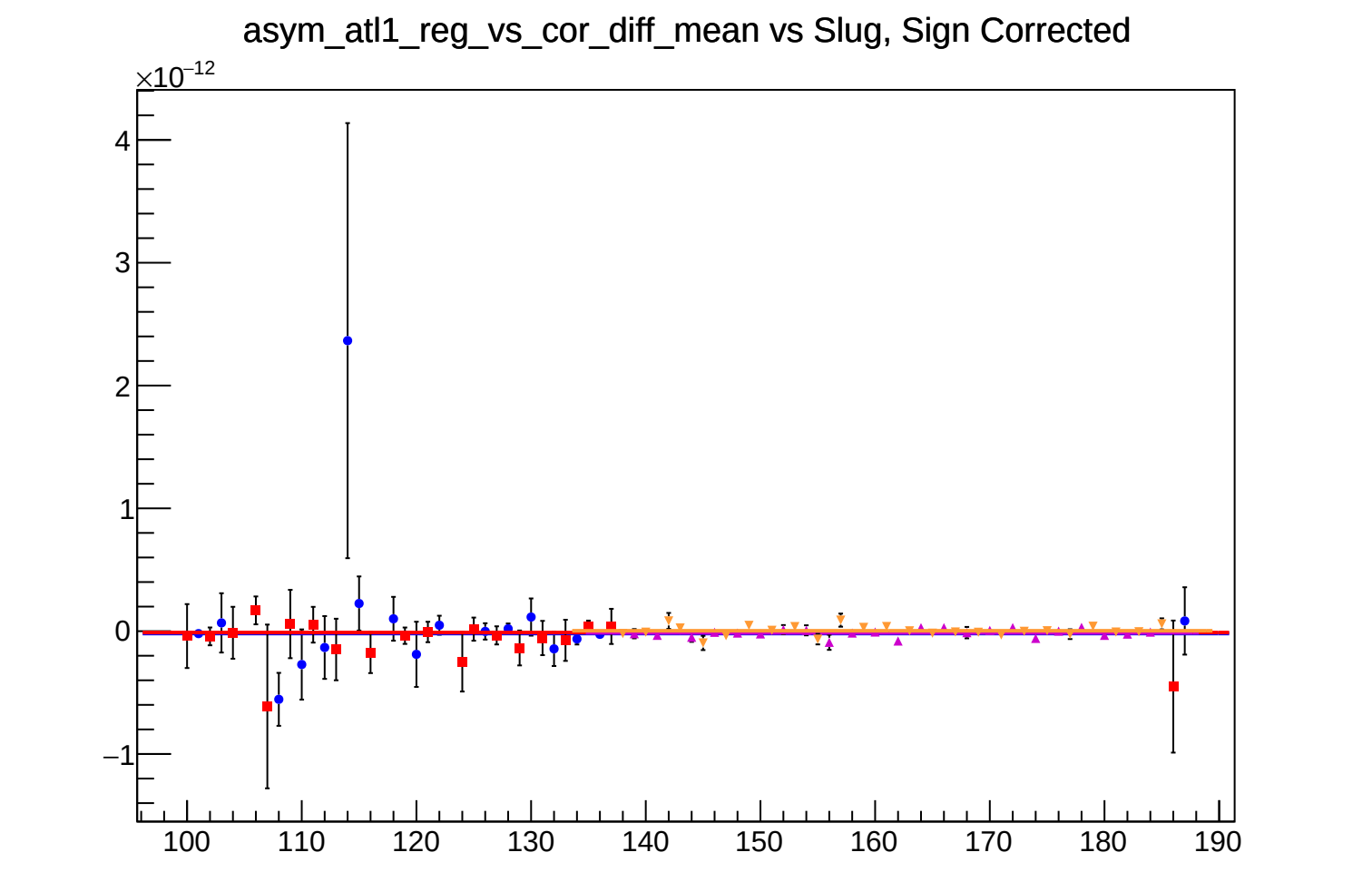
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2919.651+/-0.543 χ^2/NDF: 1649204.0/36

In: 2588.142+/-0.364 χ^2/NDF:876670.2/39

Out: 2620.924+/-0.360 χ^2/NDF:1389763.8/44

All: 2604.706+/-0.256 χ^2/NDF: 2270540.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/19

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

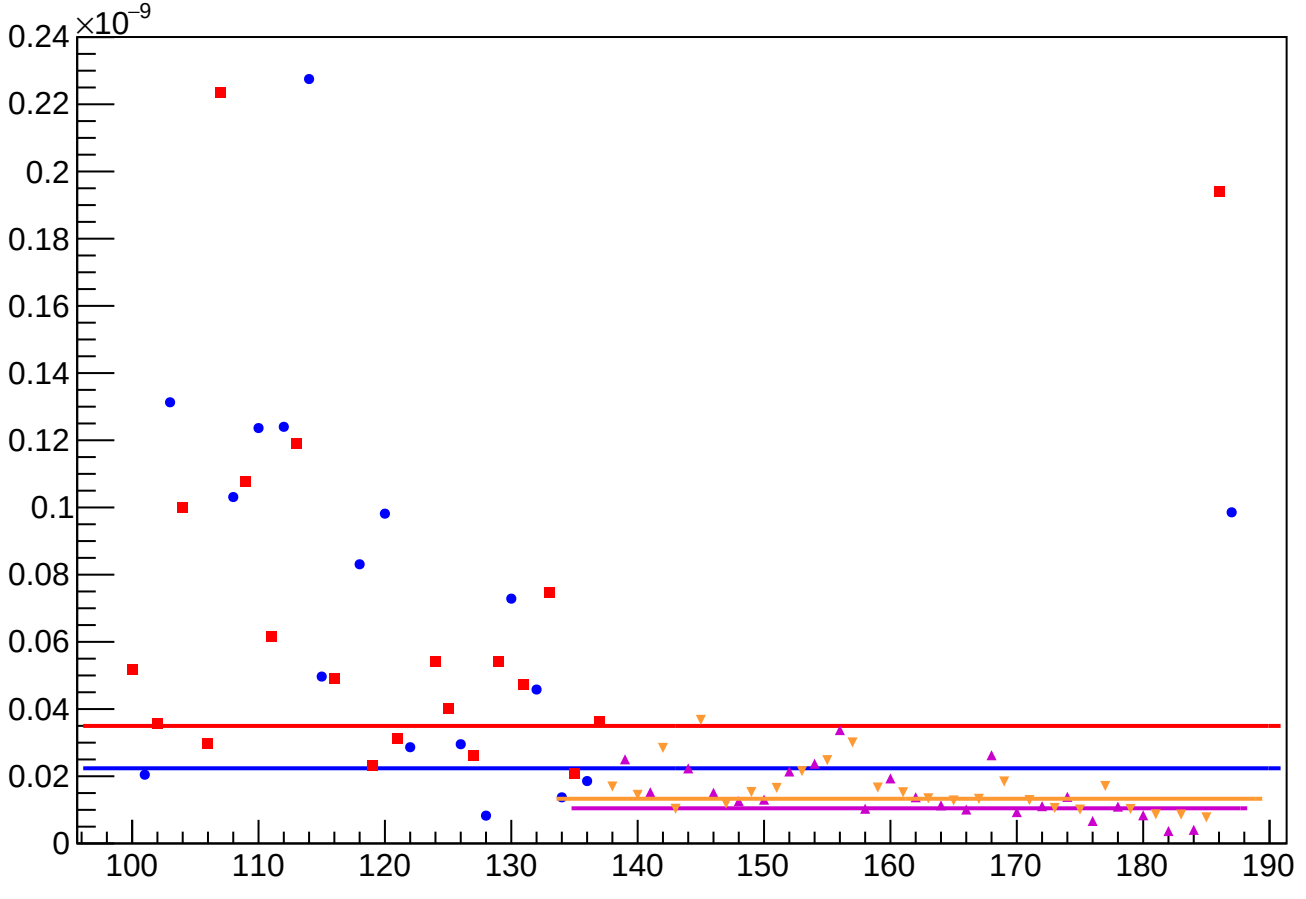
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 24.6/36

In: -0.000+/-0.000 χ^2/NDF:47.9/39

Out: 0.000+/-0.000 χ^2/NDF:38.1/44

All: -0.000+/-0.000 χ^2/NDF: 91.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 2499075.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1418698.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

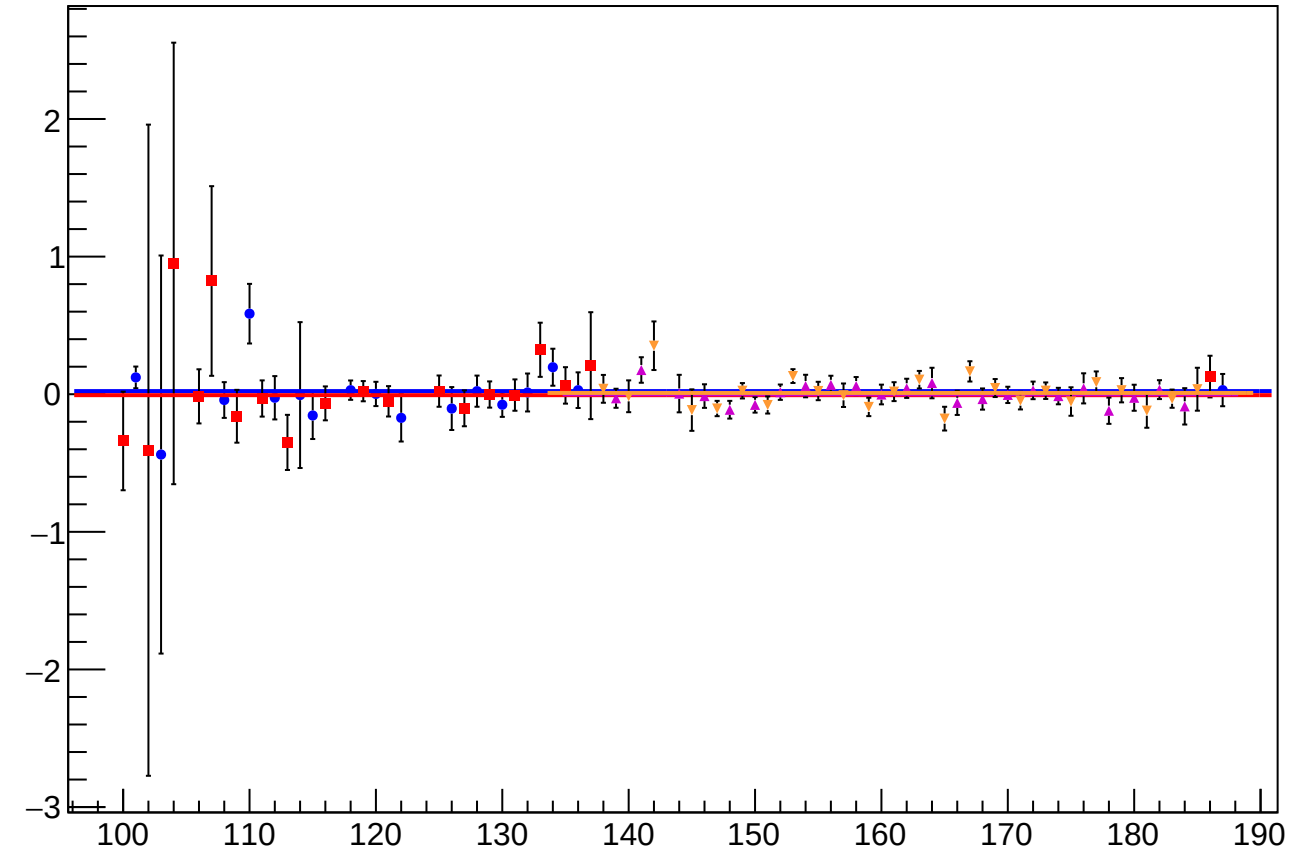
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4275514.9/36

In: 0.000+/-0.000 χ^2/NDF:6211701.3/39

Out: 0.000+/-0.000 χ^2/NDF:4398476.1/44

All: 0.000+/-0.000 χ^2/NDF: 10969125.1/84



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.033 χ^2/NDF: 11.7/18

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

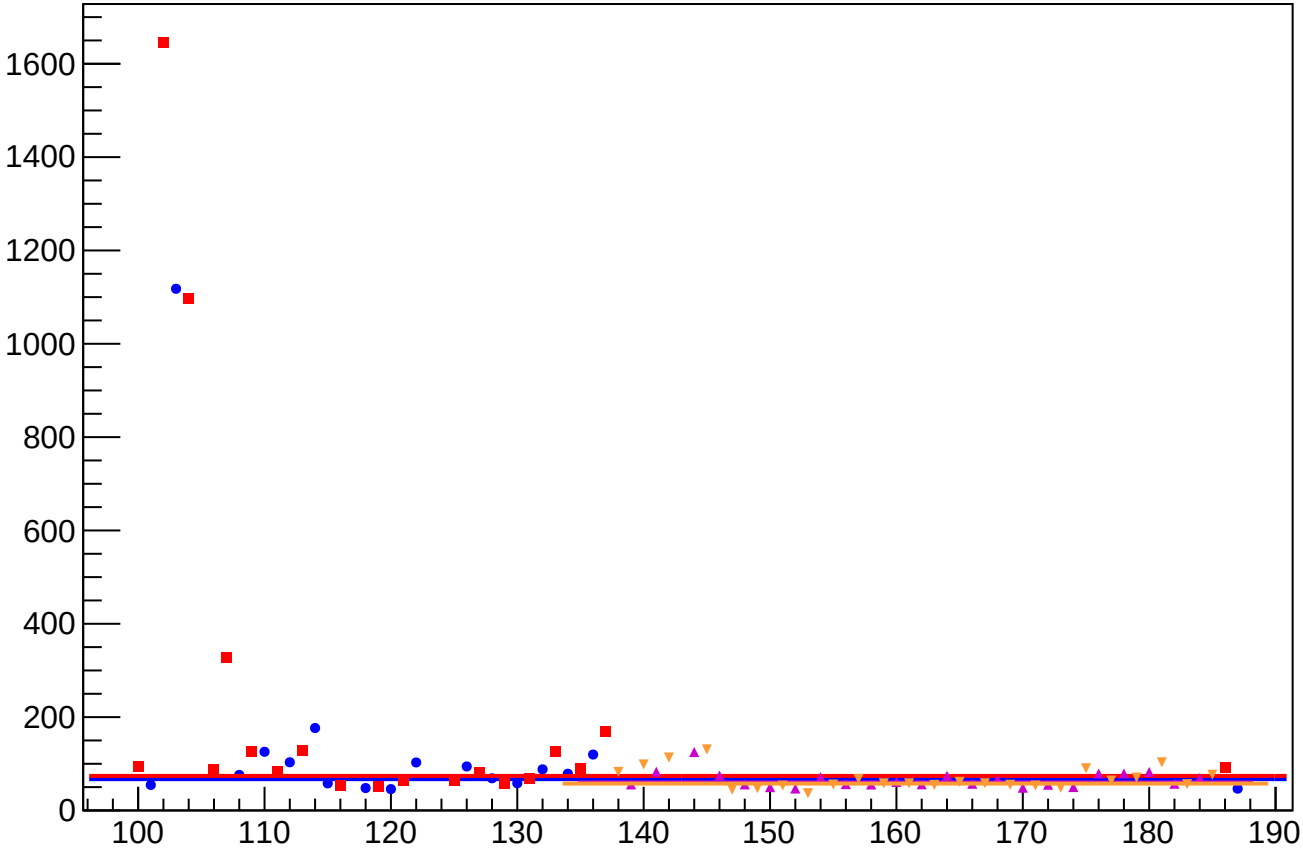
Right: 0.010+/-0.022 χ^2/NDF: 26.9/35

In: 0.004+/-0.014 χ^2/NDF:30.9/39

Out: 0.007+/-0.014 χ^2/NDF:46.6/42

All: 0.005+/-0.010 χ^2/NDF: 77.5/82

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.083+/-0.021 χ^2/NDF: 2342403.1/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.999+/-0.023 χ^2/NDF: 2946016.4/18

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

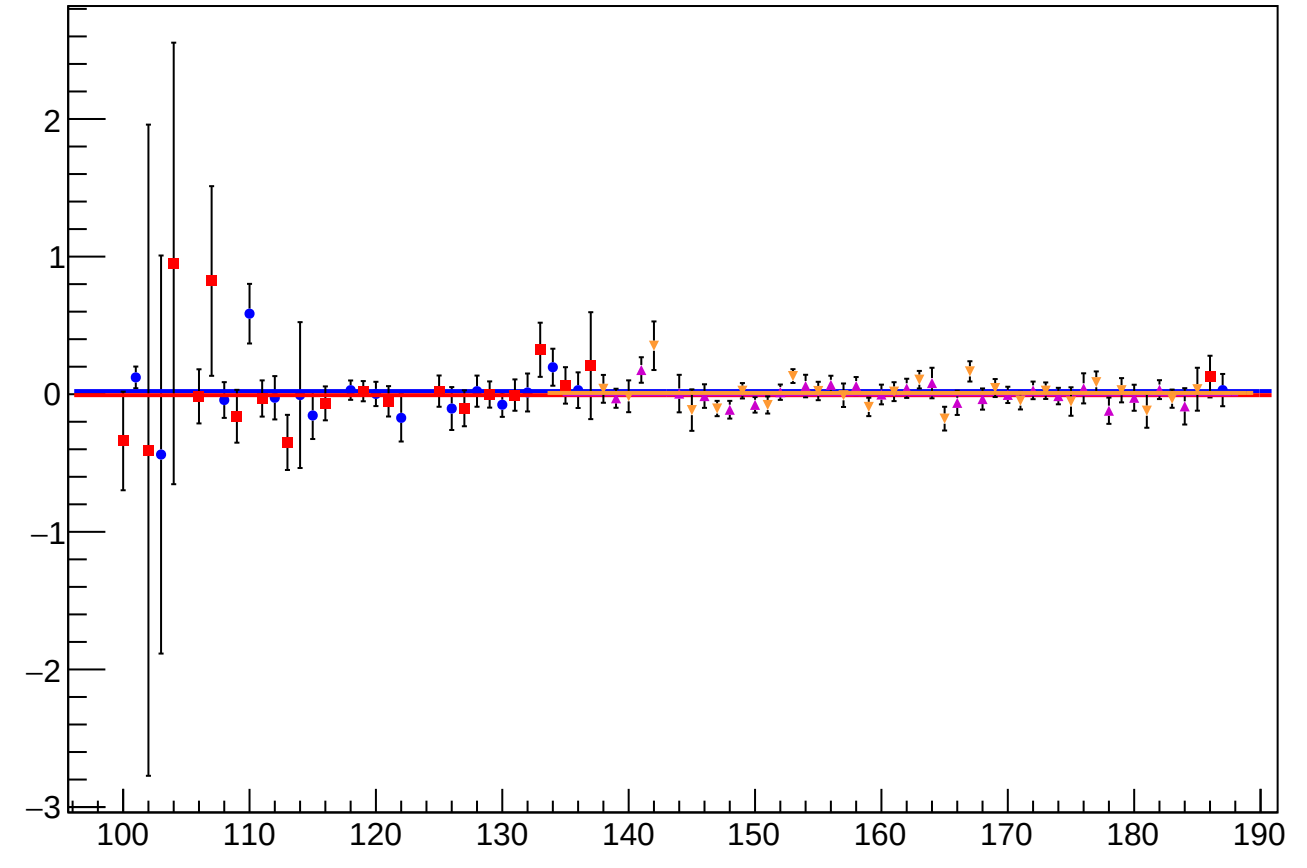
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 70.152+/-0.015 χ^2/NDF: 5338214.7/35

In: 61.421+/-0.010 χ^2/NDF:3779448.0/39

Out: 60.491+/-0.010 χ^2/NDF:5573622.3/42

All: 60.957+/-0.007 χ^2/NDF: 9357682.8/82



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.033 χ^2/NDF: 11.7/18

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

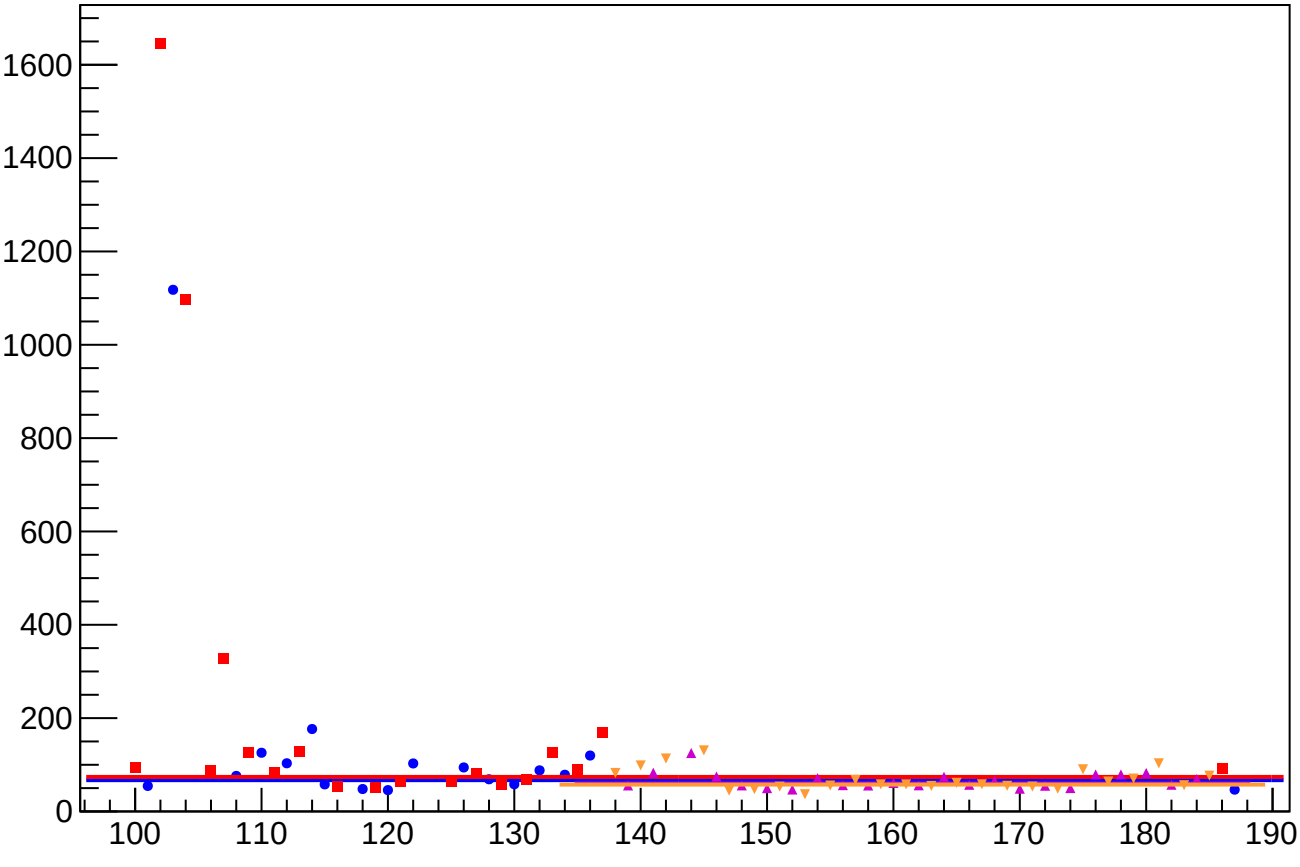
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.010+/-0.022 χ^2/NDF: 26.9/35

In: 0.004+/-0.014 χ^2/NDF:30.9/39

Out: 0.007+/-0.014 χ^2/NDF:46.6/42

All: 0.005+/-0.010 χ^2/NDF: 77.5/82



Right In: 67.083+/-0.021 χ^2/NDF: 2342403.1/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.999+/-0.023 χ^2/NDF: 2946016.4/18

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

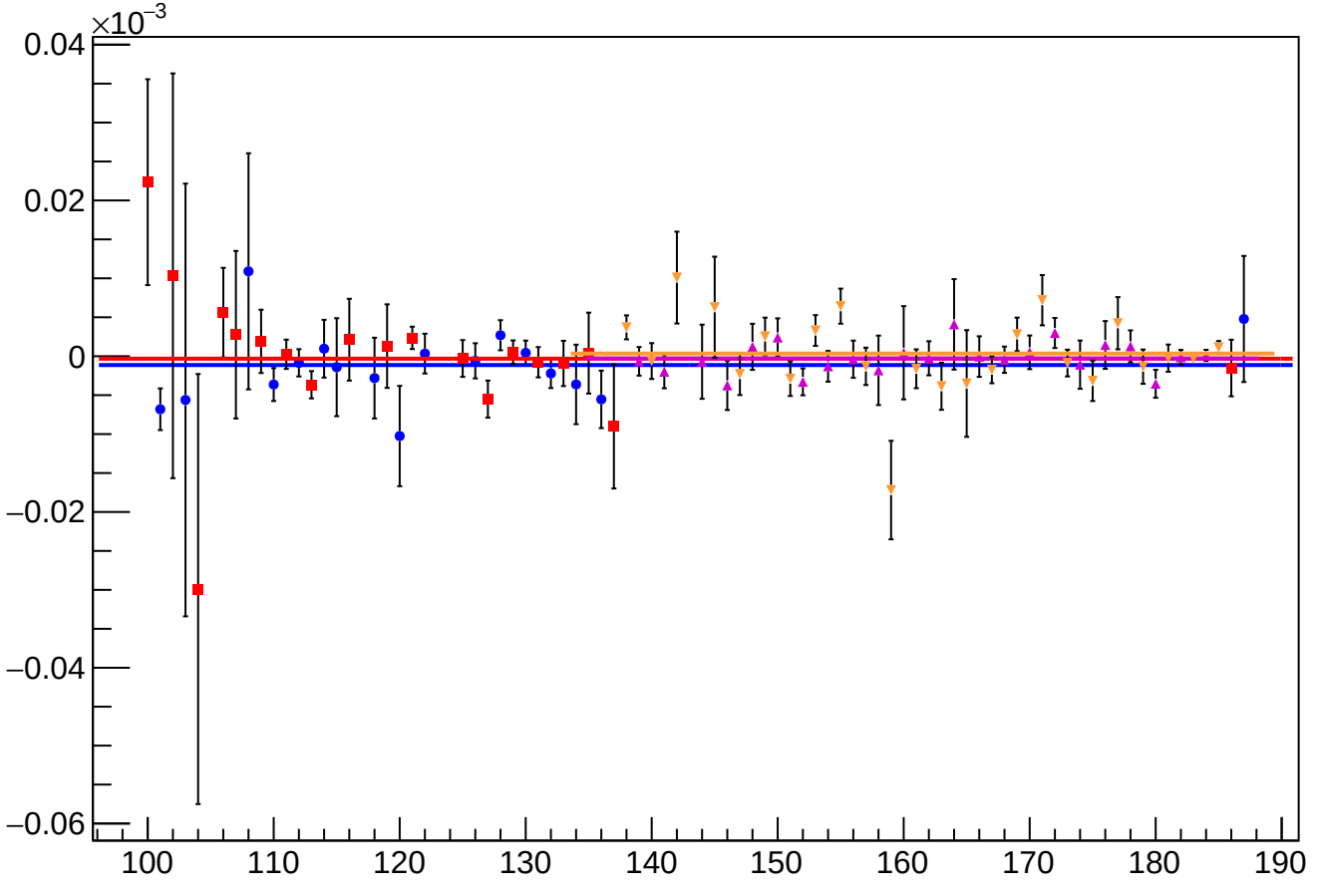
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 70.152+/-0.015 χ^2/NDF: 5338214.7/35

In: 61.421+/-0.010 χ^2/NDF:3779448.0/39

Out: 60.491+/-0.010 χ^2/NDF:5573622.3/42

All: 60.957+/-0.007 χ^2/NDF: 9357682.8/82



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

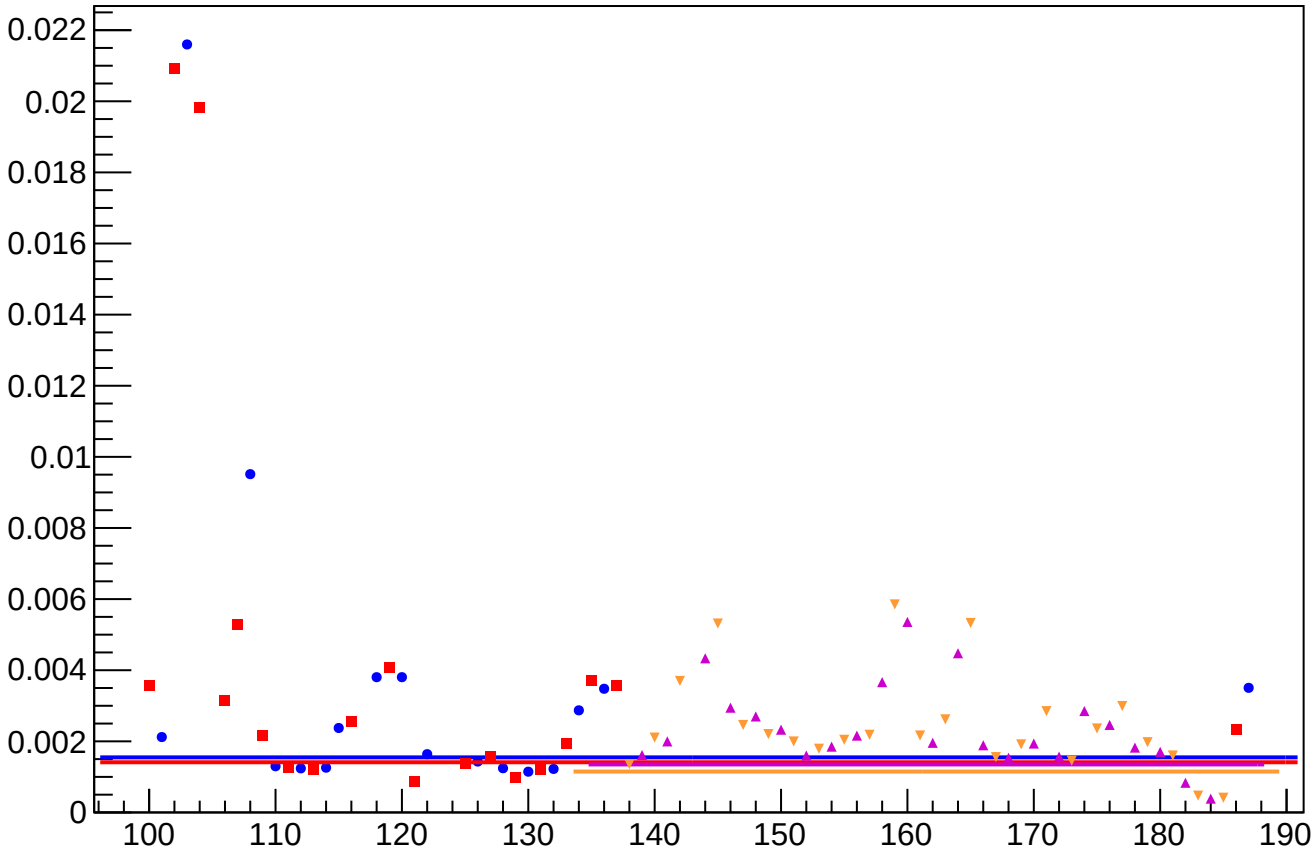
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 37.3/35

In: -0.000+/-0.000 χ^2/NDF:33.0/39

Out: 0.000+/-0.000 χ^2/NDF:67.3/42

All: -0.000+/-0.000 χ^2/NDF: 102.6/82



Right In: 0.002+/-0.000 χ^2/NDF: 3491529.0/16

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4400636.9/18

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

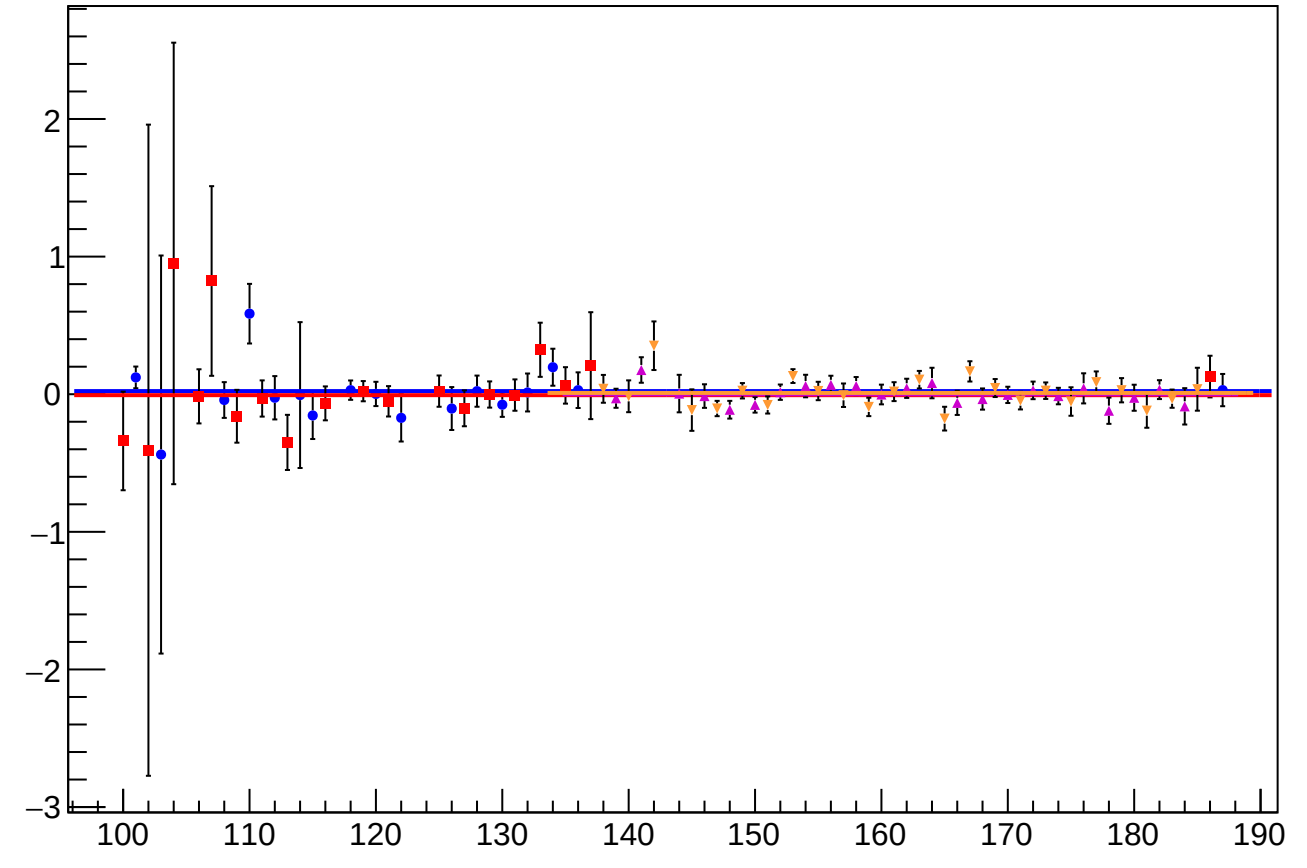
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 7937767.1/35

In: 0.001+/-0.000 χ^2/NDF:13873863.3/39

Out: 0.001+/-0.000 χ^2/NDF:17913251.1/42

All: 0.001+/-0.000 χ^2/NDF: 32146406.5/82



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.033 χ^2/NDF: 11.7/18

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

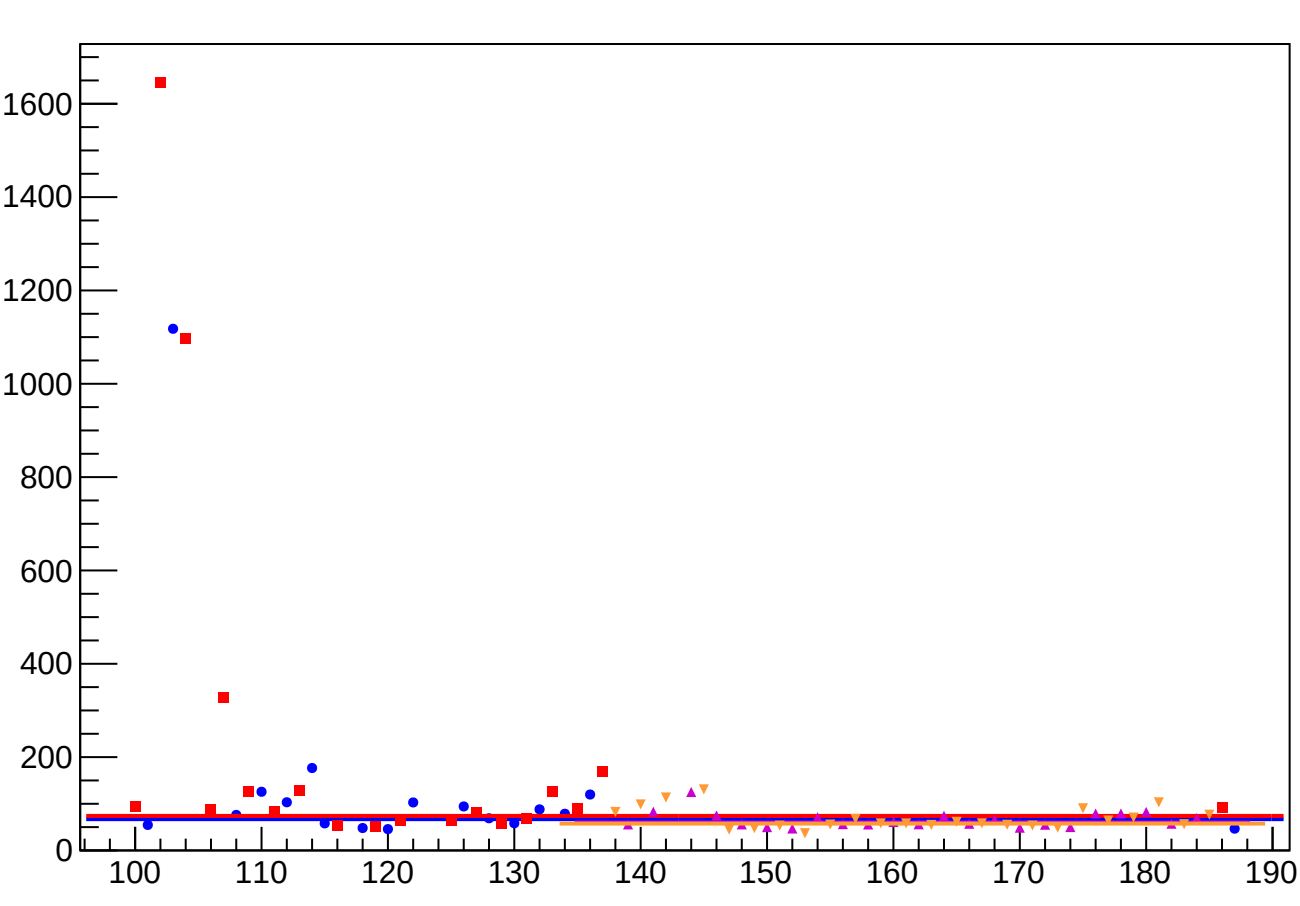
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.010+/-0.022 χ^2/NDF: 26.9/35

In: 0.004+/-0.014 χ^2/NDF:30.9/39

Out: 0.007+/-0.014 χ^2/NDF:46.6/42

All: 0.005+/-0.010 χ^2/NDF: 77.5/82



Right In: 67.082+/-0.021 χ^2/NDF: 2342487.0/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.998+/-0.023 χ^2/NDF: 2946027.5/18

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

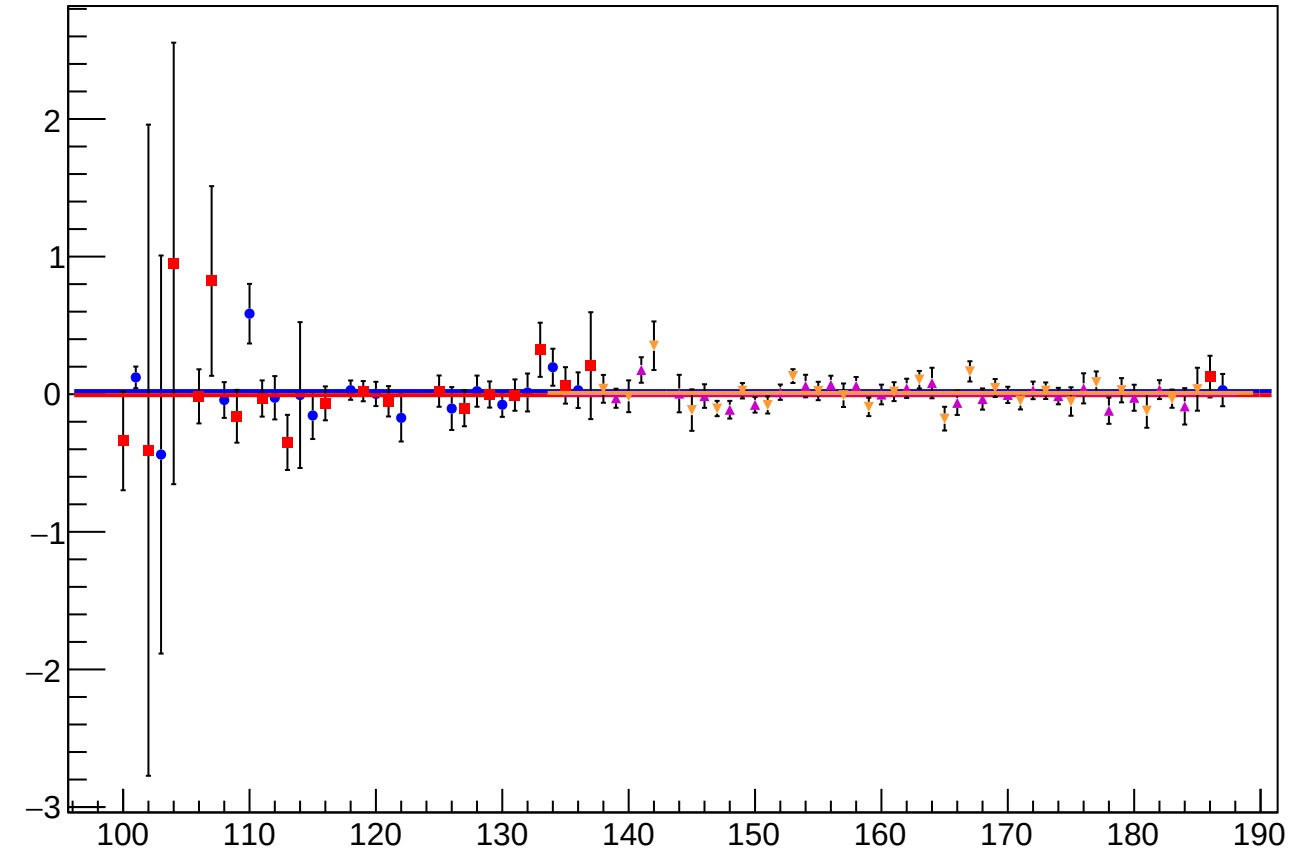
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 70.152+/-0.015 χ^2/NDF: 5338315.6/35

In: 61.421+/-0.010 χ^2/NDF:3779487.3/39

Out: 60.491+/-0.010 χ^2/NDF:5573680.7/42

All: 60.957+/-0.007 χ^2/NDF: 9357780.7/82



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.033 χ^2/NDF: 11.7/18

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

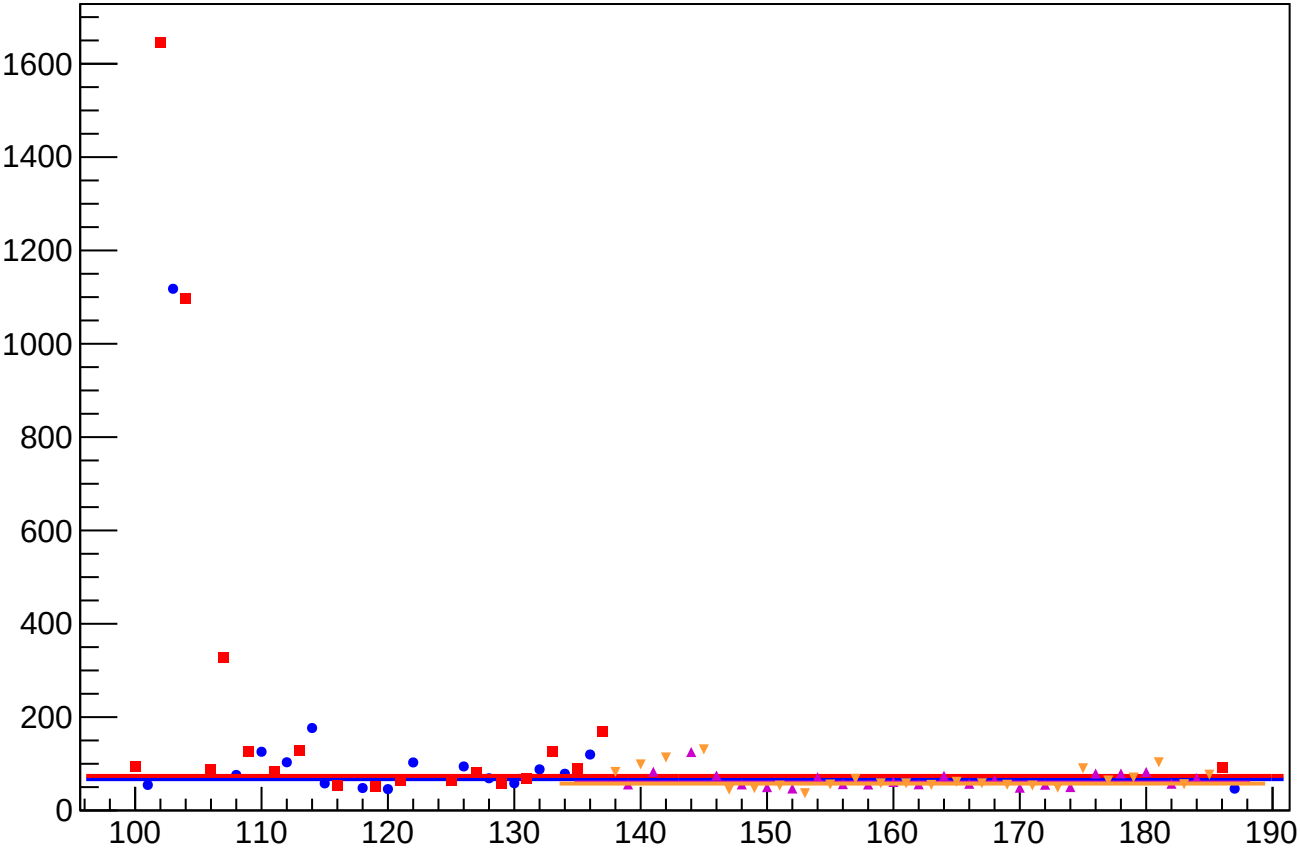
Right: 0.010+/-0.022 χ^2/NDF: 26.9/35

In: 0.004+/-0.014 χ^2/NDF:30.9/39

Out: 0.007+/-0.014 χ^2/NDF:46.6/42

All: 0.005+/-0.010 χ^2/NDF: 77.5/82

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.082+/-0.021 χ^2/NDF: 2342487.0/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.998+/-0.023 χ^2/NDF: 2946027.5/18

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

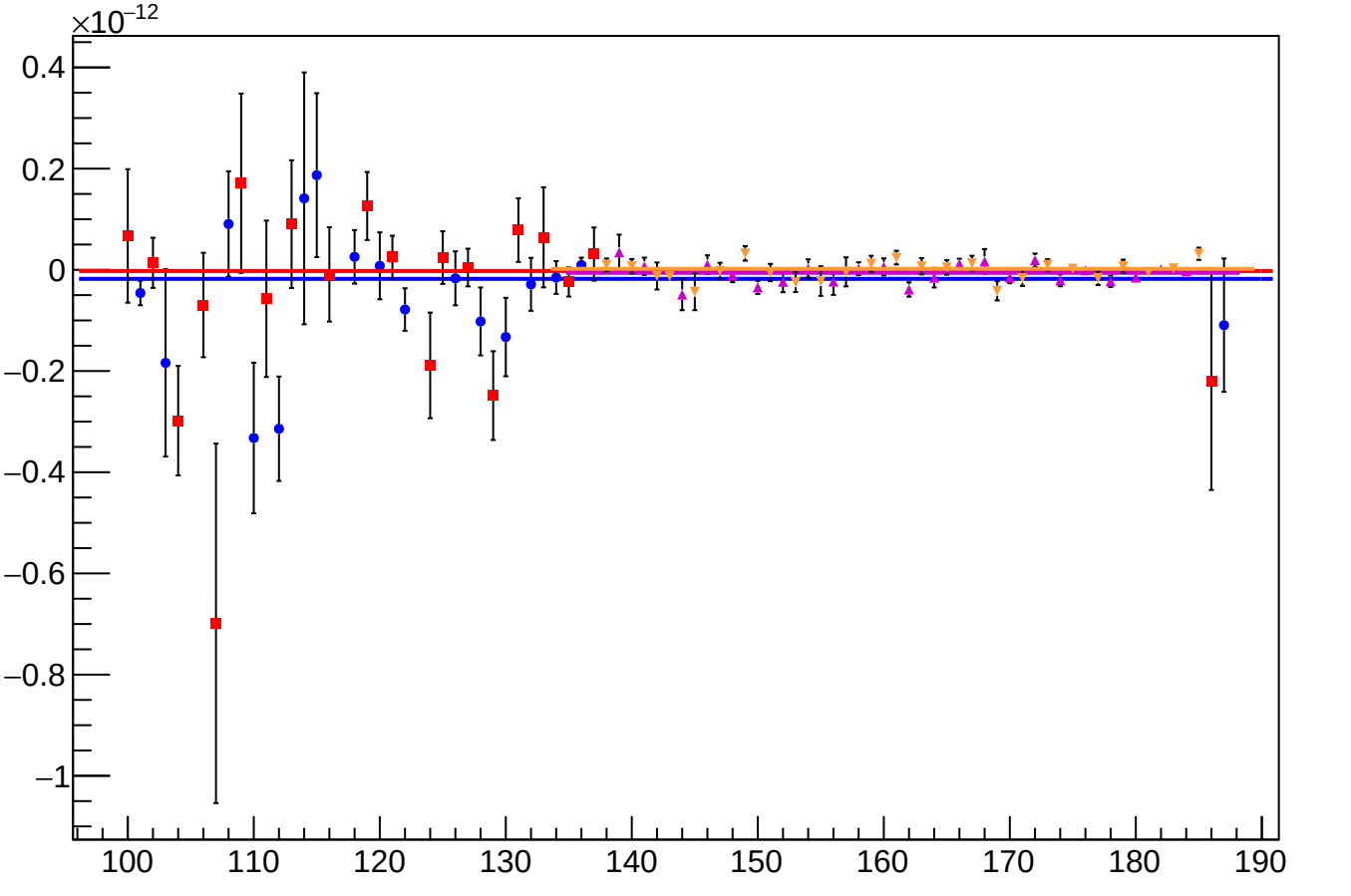
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 70.152+/-0.015 χ^2/NDF: 5338315.6/35

In: 61.421+/-0.010 χ^2/NDF:3779487.3/39

Out: 60.491+/-0.010 χ^2/NDF:5573680.7/42

All: 60.957+/-0.007 χ^2/NDF: 9357780.7/82



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.3/19

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

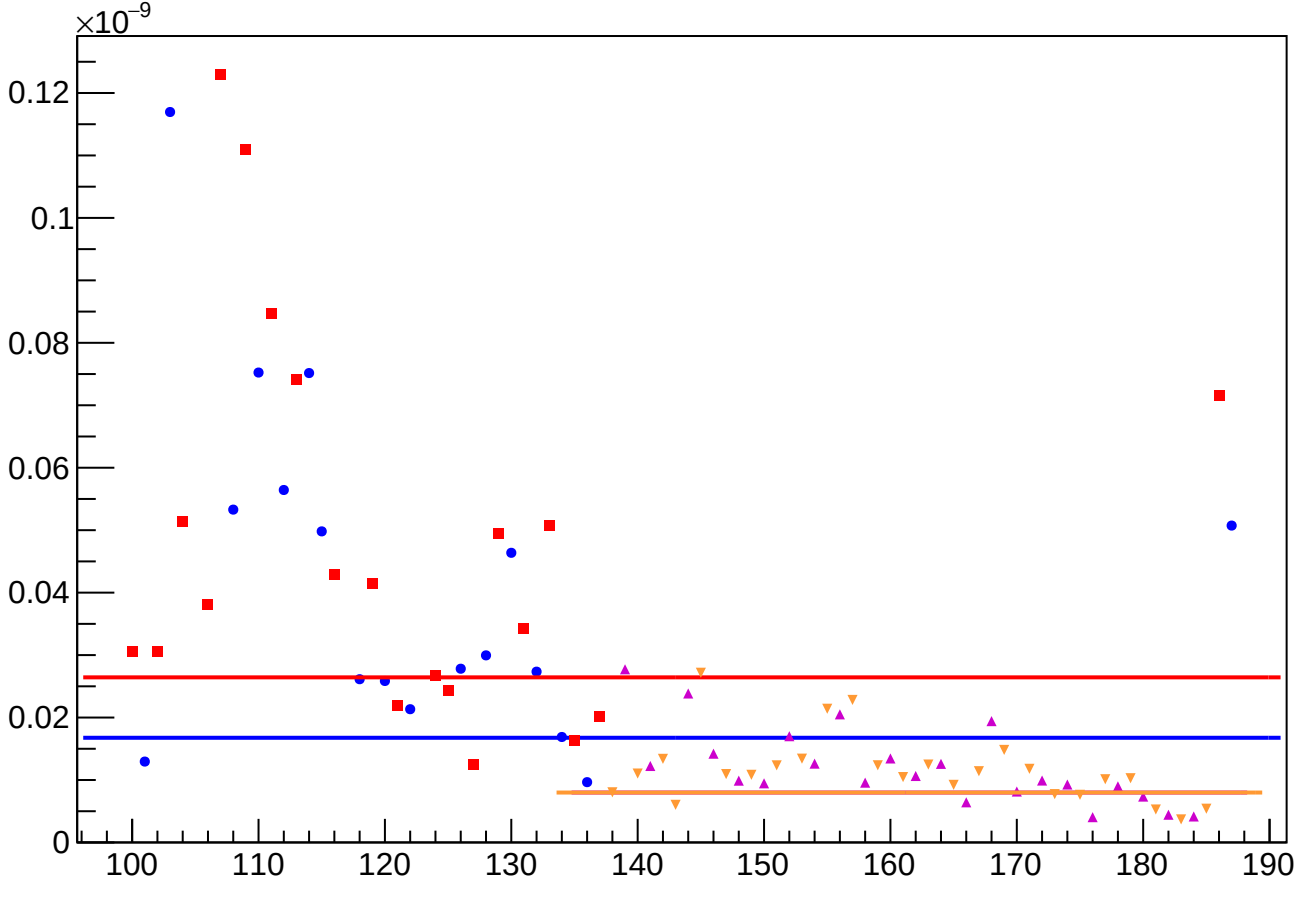
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 62.8/36

In: -0.000+/-0.000 χ^2/NDF:62.7/39

Out: 0.000+/-0.000 χ^2/NDF:65.3/44

All: -0.000+/-0.000 χ^2/NDF: 134.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 2957020.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2434753.7/19

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

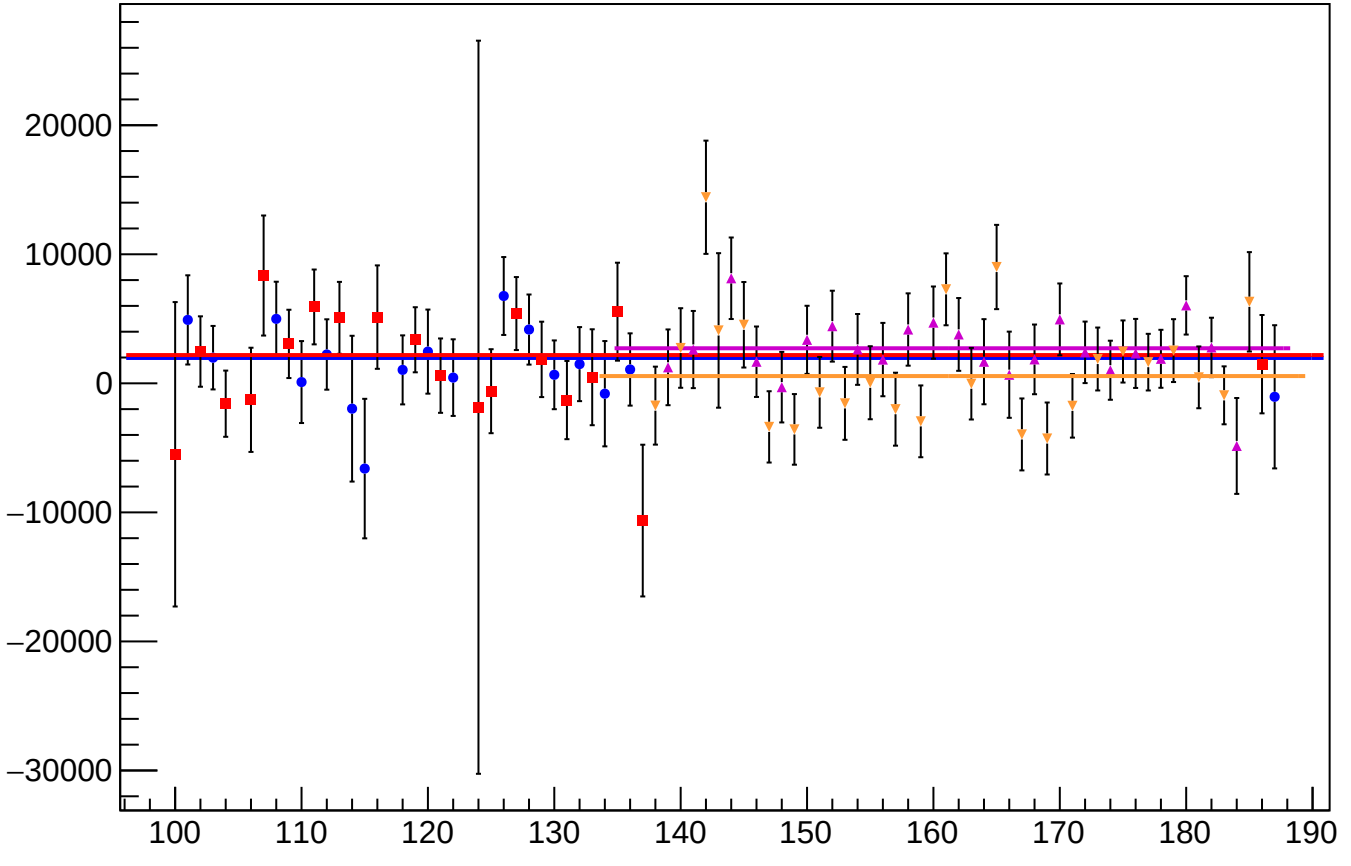
Right: 0.000+/-0.000 χ^2/NDF: 6012309.6/36

In: 0.000+/-0.000 χ^2/NDF:9601863.4/39

Out: 0.000+/-0.000 χ^2/NDF:10585973.4/44

All: 0.000+/-0.000 χ^2/NDF: 20187836.9/84

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1965.551+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2189.493+/-741.676 χ^2/NDF: 18.2/19

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

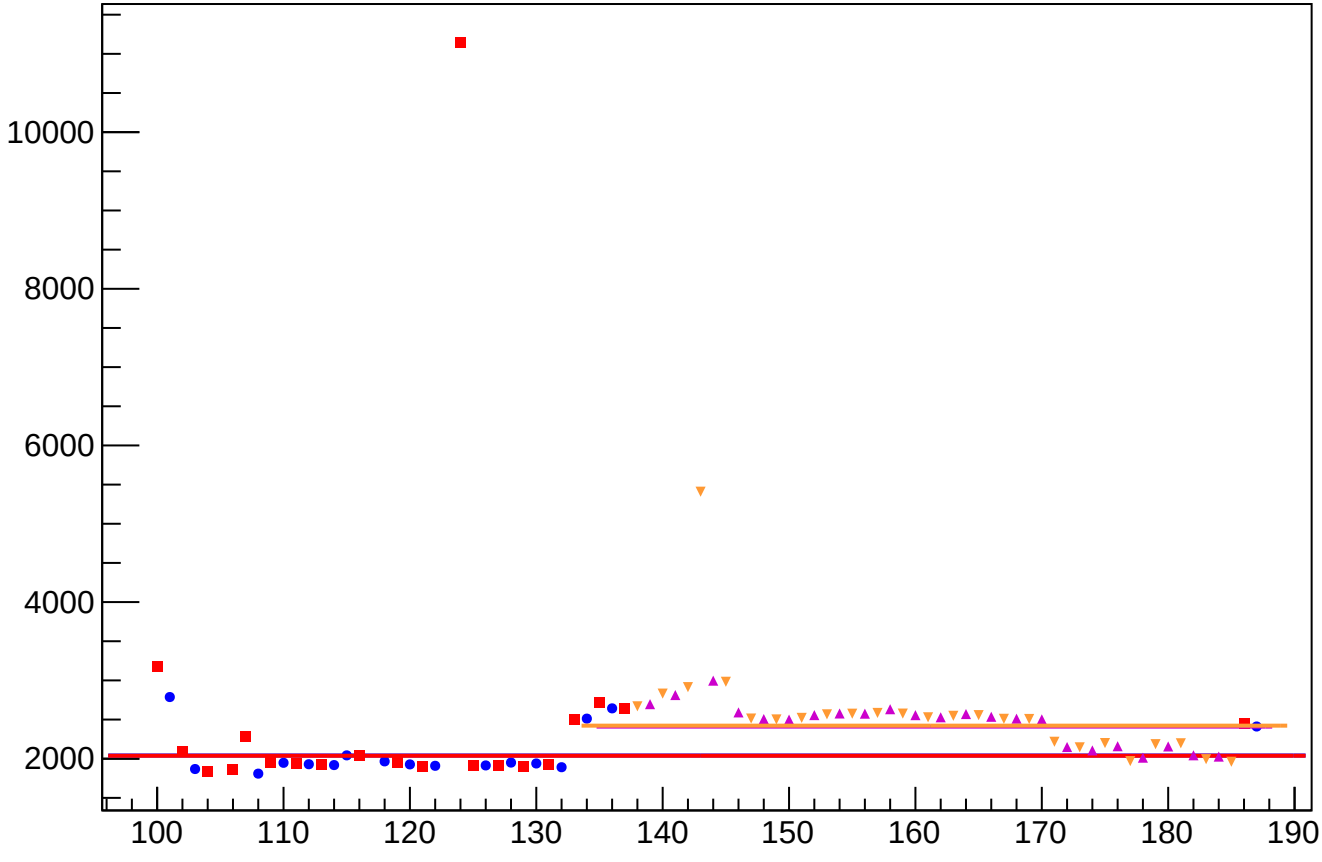
Right: 2079.842+/-529.849 χ^2/NDF: 28.1/36

In: 2447.004+/-453.450 χ^2/NDF:24.8/39

Out: 1149.575+/-445.547 χ^2/NDF:65.2/44

All: 1786.885+/-317.807 χ^2/NDF: 94.2/84

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.4/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2037.822+/-0.524 χ^2/NDF: 414780.4/19

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

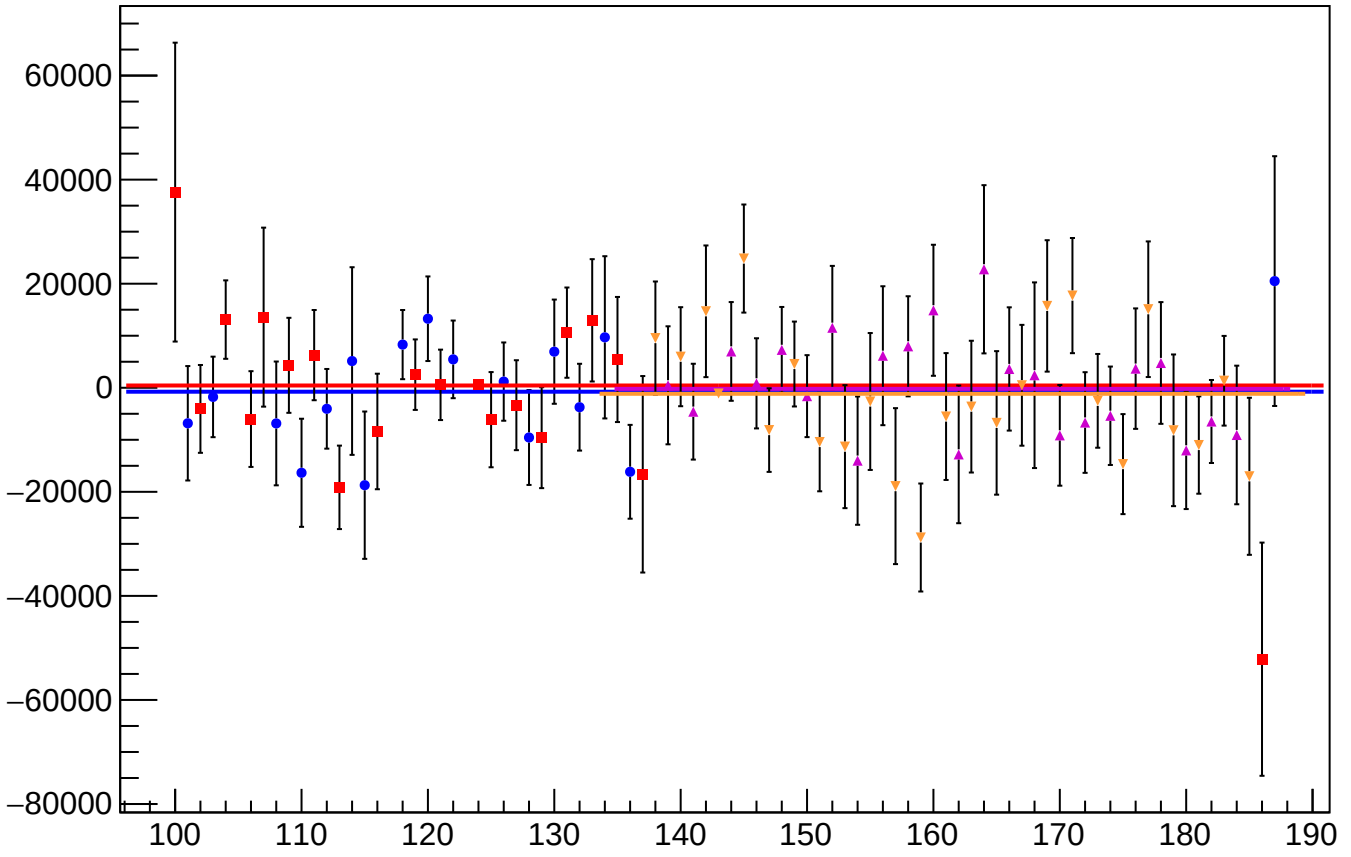
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2039.468+/-0.375 χ^2/NDF: 686830.9/36

In: 2277.620+/-0.321 χ^2/NDF:1004423.5/39

Out: 2283.456+/-0.315 χ^2/NDF:1710875.7/44

All: 2280.589+/-0.225 χ^2/NDF: 2715467.7/84



Right In: -758.934+/-2268.334 χ^2/NDF: 16.1/16

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 435.518+/-767.835 χ^2/NDF: 24.0/19

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

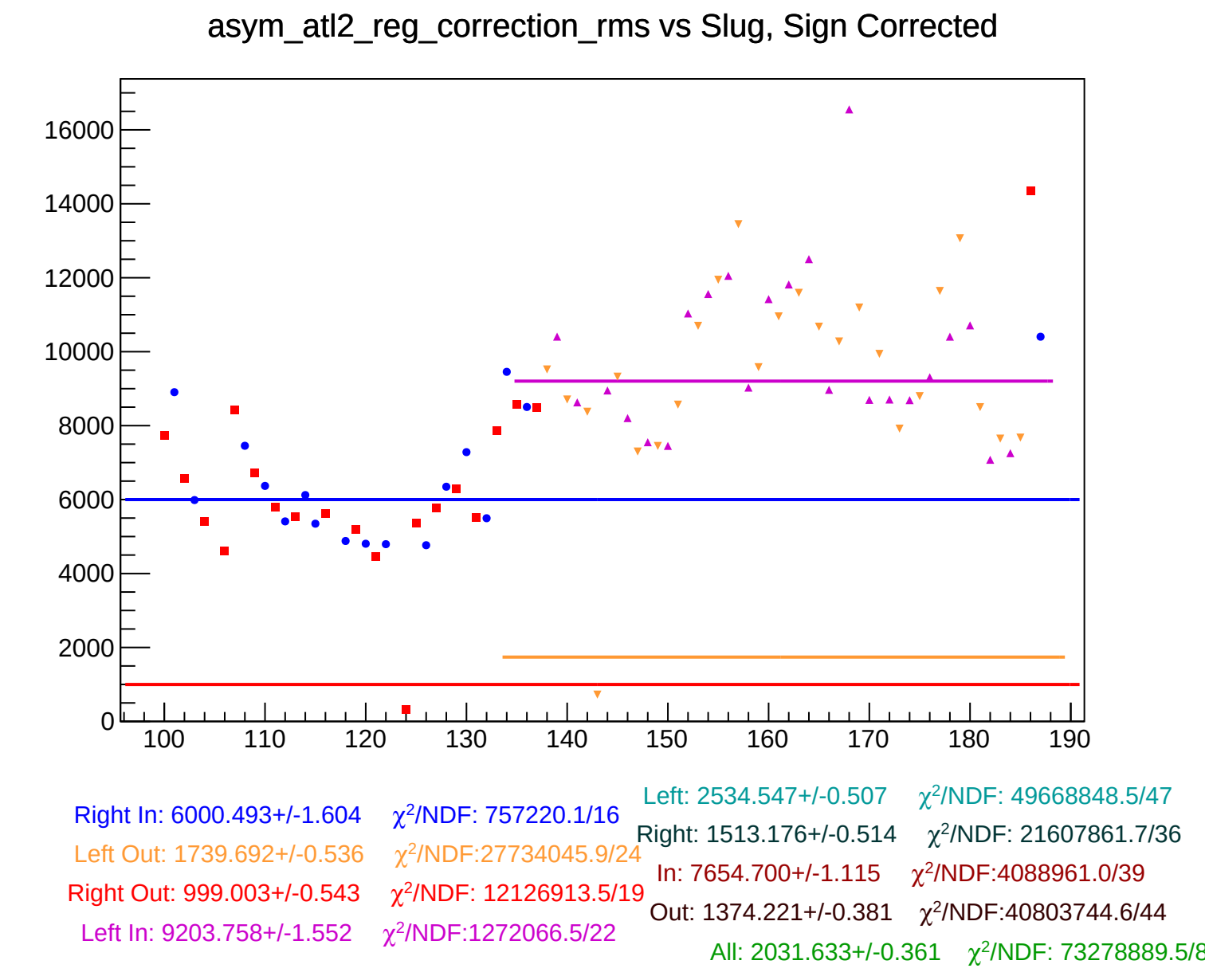
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

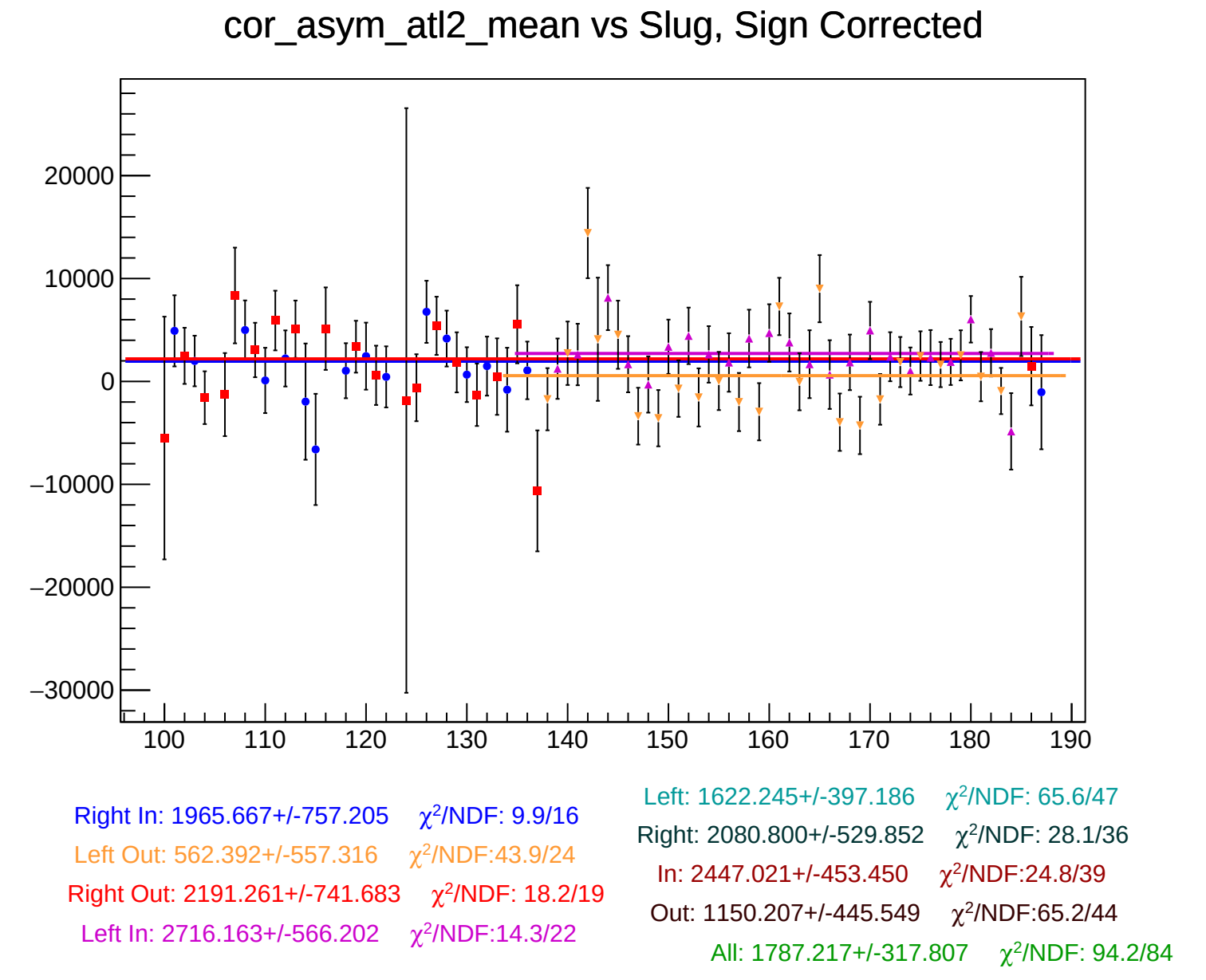
Right: 312.724+/-727.297 χ^2/NDF: 40.3/36

In: -475.279+/-1577.410 χ^2/NDF:29.6/39

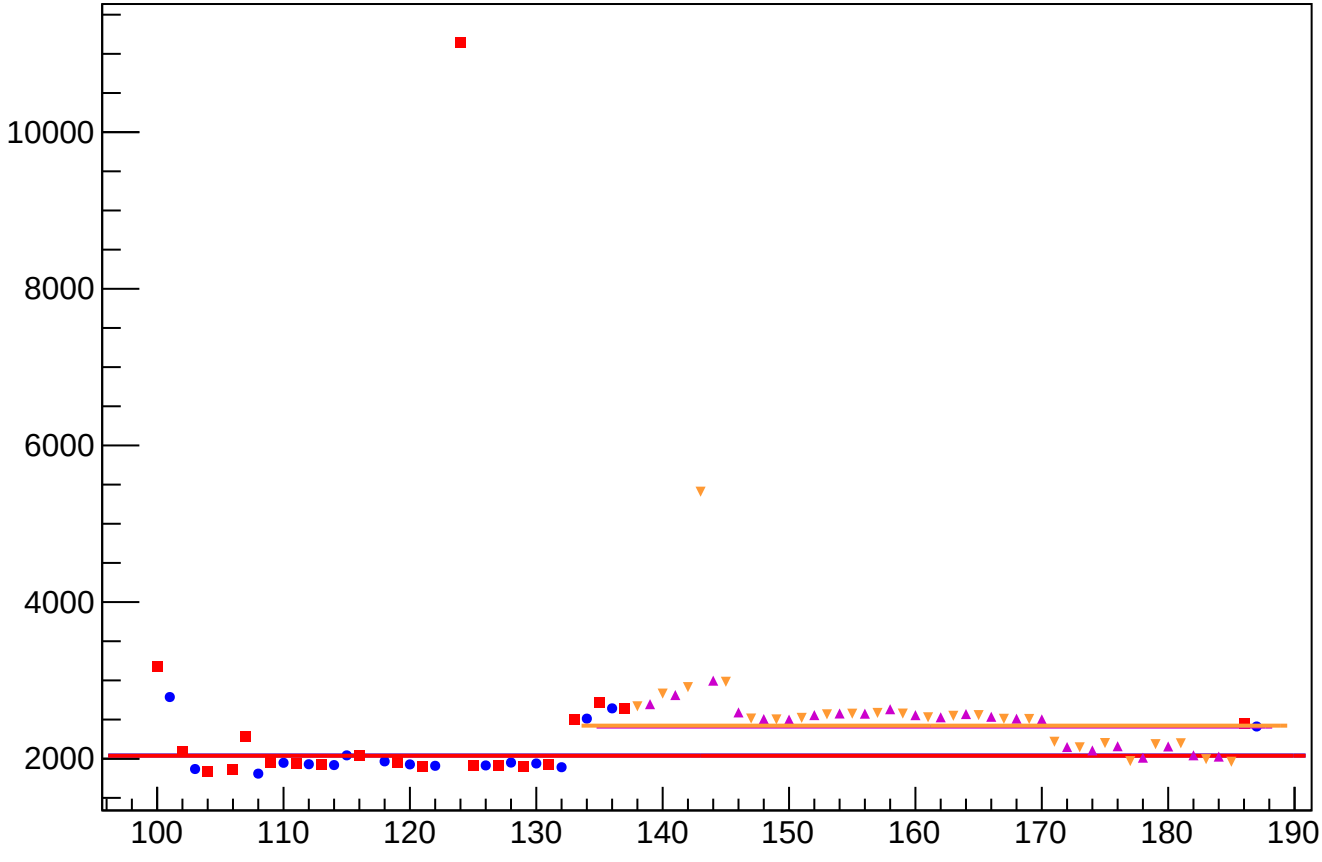
Out: -371.834+/-539.357 χ^2/NDF:58.1/44

All: -382.662+/-510.349 χ^2/NDF: 87.7/84


asym_atl2_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
110
120
130
140
150
160
170
180
190
Right In: 6000.493+/-1.604 χ²/NDF: 757220.1/16
Left Out: 1739.692+/-0.536 χ²/NDF:27734045.9/24
Right Out: 999.003+/-0.543 χ²/NDF: 12126913.5/19
Left In: 9203.758+/-1.552 χ²/NDF:1272066.5/22
Left: 2534.547+/-0.507 χ²/NDF: 49668848.5/47
Right: 1513.176+/-0.514 χ²/NDF: 21607861.7/36
In: 7654.700+/-1.115 χ²/NDF:4088961.0/39
Out: 1374.221+/-0.381 χ²/NDF:40803744.6/44
All: 2031.633+/-0.361 χ²/NDF: 73278889.5/8


cor_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 1965.667+/-757.205 χ²/NDF: 9.9/16
Left Out: 562.392+/-557.316 χ²/NDF:43.9/24
Right Out: 2191.261+/-741.683 χ²/NDF: 18.2/19
Left In: 2716.163+/-566.202 χ²/NDF:14.3/22
Left: 1622.245+/-397.186 χ²/NDF: 65.6/47
Right: 2080.800+/-529.852 χ²/NDF: 28.1/36
In: 2447.021+/-453.450 χ²/NDF:24.8/39
Out: 1150.207+/-445.549 χ²/NDF:65.2/44
All: 1787.217+/-317.807 χ²/NDF: 94.2/84

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.2/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2037.843+/-0.524 χ^2/NDF: 414789.6/19

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

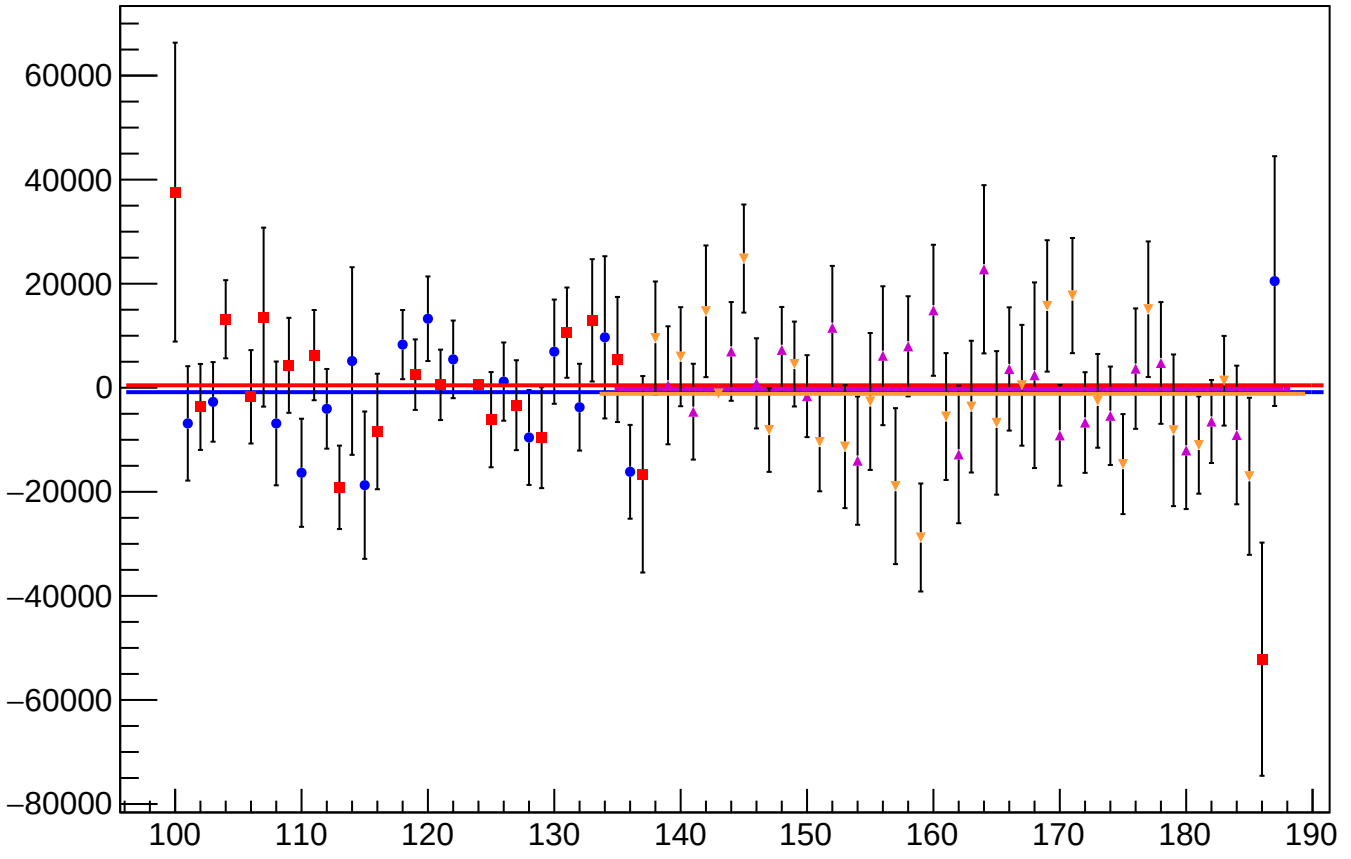
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2039.479+/-0.375 χ^2/NDF: 686839.7/36

In: 2277.620+/-0.321 χ^2/NDF:1004423.6/39

Out: 2283.465+/-0.315 χ^2/NDF:1710843.1/44

All: 2280.594+/-0.225 χ^2/NDF: 2715435.8/84



Right In: -845.973+/-2266.014 χ^2/NDF: 16.2/16

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 468.850+/-767.497 χ^2/NDF: 23.6/19

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

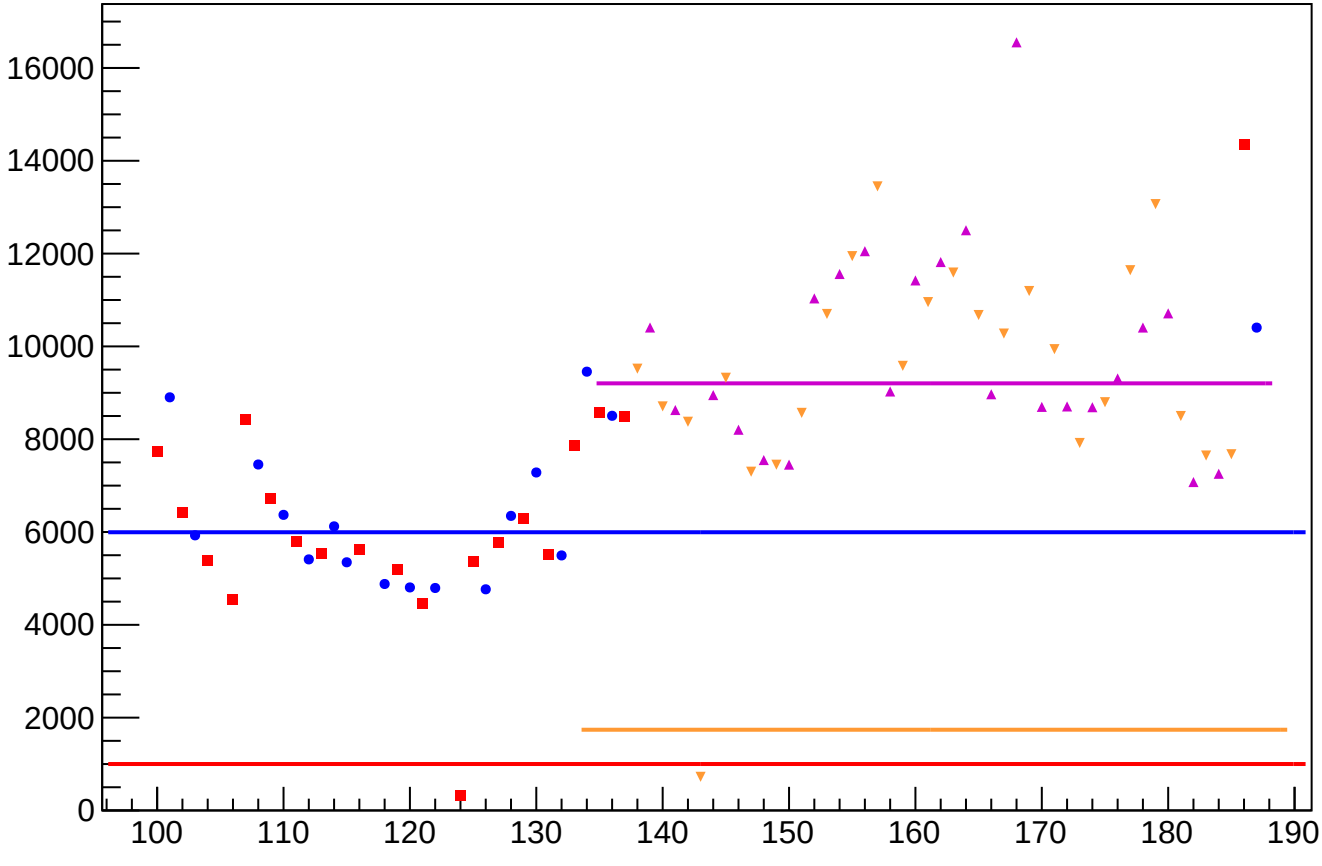
Right: 333.540+/-726.933 χ^2/NDF: 40.0/36

In: -517.615+/-1576.628 χ^2/NDF:29.6/39

Out: -354.976+/-539.217 χ^2/NDF:57.8/44

All: -372.008+/-510.203 χ^2/NDF: 87.4/84

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 5995.295+/-1.602 χ^2/NDF: 757253.5/16

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1000.716+/-0.543 χ^2/NDF: 12122883.9/19

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

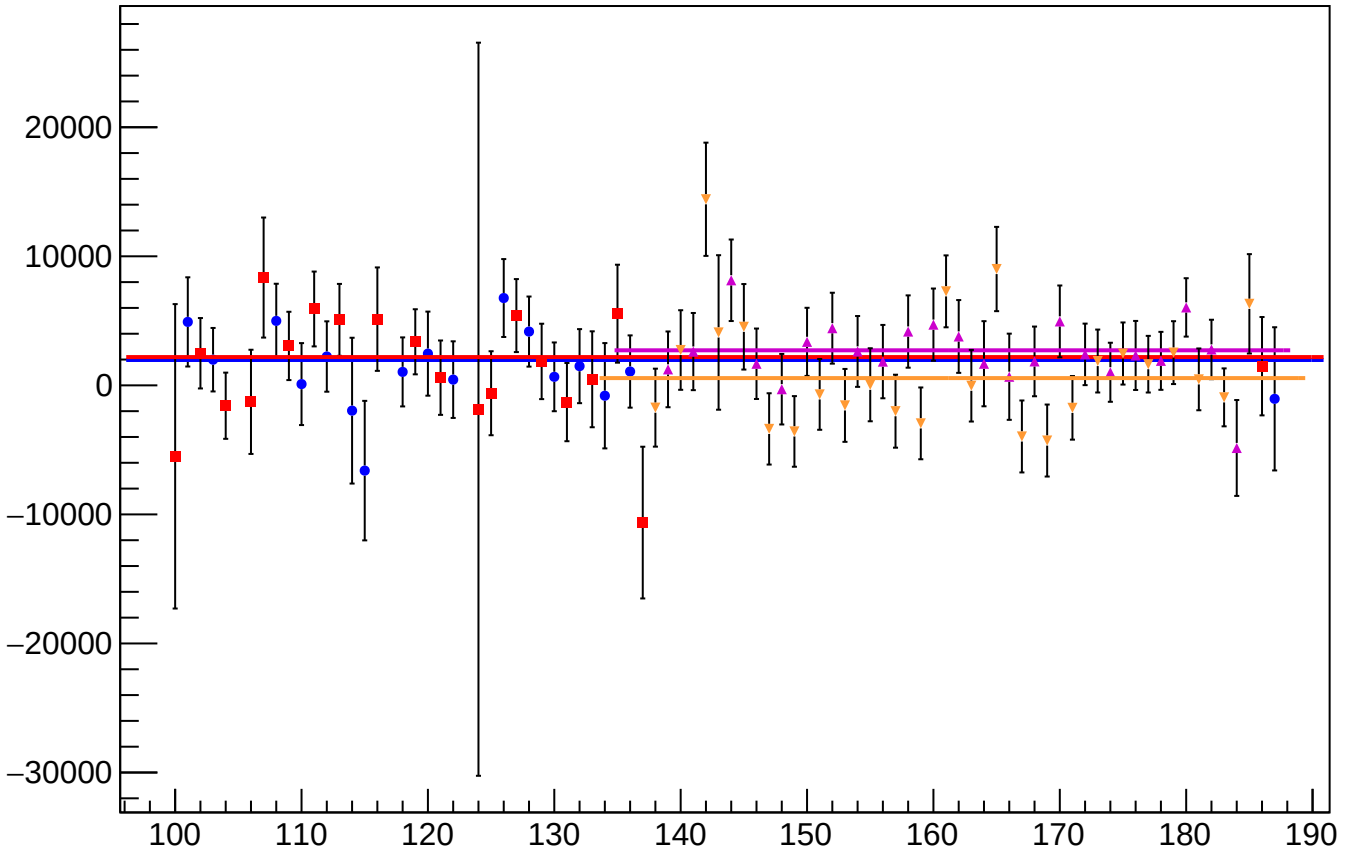
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1514.714+/-0.514 χ^2/NDF: 21596552.3/36

In: 7650.541+/-1.115 χ^2/NDF:4097866.2/39

Out: 1374.816+/-0.381 χ^2/NDF:40796310.3/44

All: 2032.006+/-0.361 χ^2/NDF: 73264129.5/8



Right In: 1965.667+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2191.261+/-741.683 χ^2/NDF: 18.2/19

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

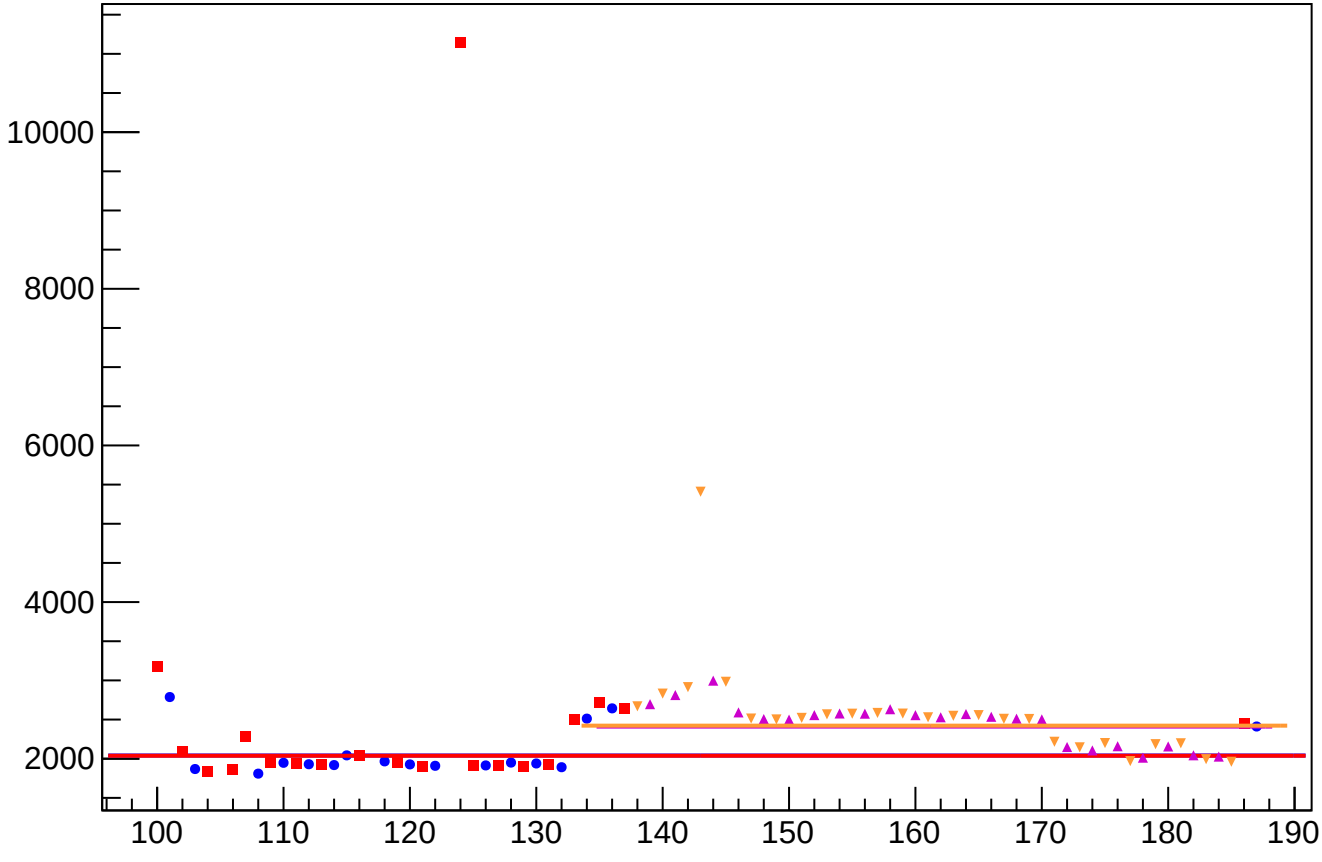
Right: 2080.800+/-529.852 χ^2/NDF: 28.1/36

In: 2447.021+/-453.450 χ^2/NDF:24.8/39

Out: 1150.207+/-445.549 χ^2/NDF:65.2/44

All: 1787.217+/-317.807 χ^2/NDF: 94.2/84

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.2/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2037.843+/-0.524 χ^2/NDF: 414789.6/19

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

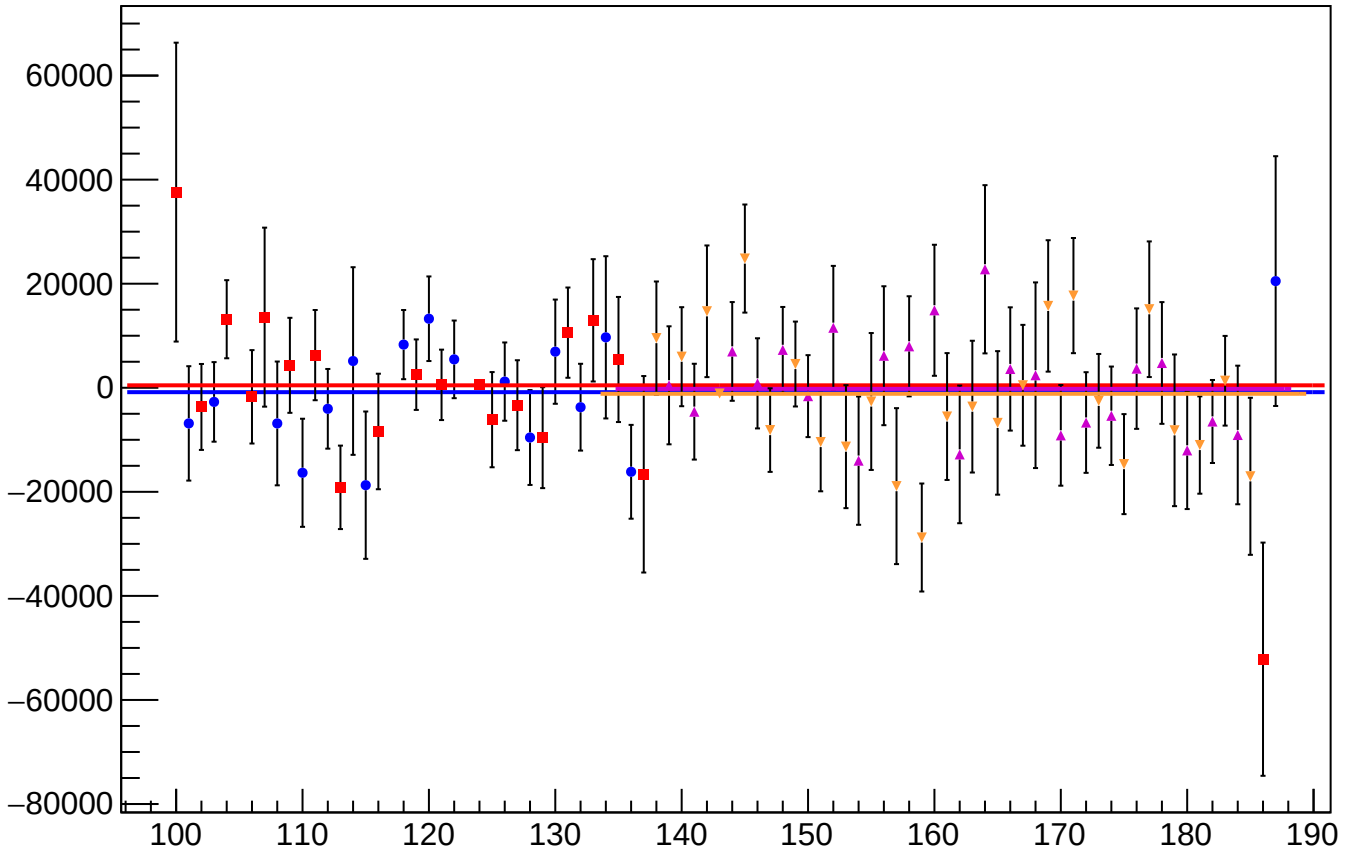
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2039.479+/-0.375 χ^2/NDF: 686839.7/36

In: 2277.620+/-0.321 χ^2/NDF:1004423.6/39

Out: 2283.465+/-0.315 χ^2/NDF:1710843.1/44

All: 2280.594+/-0.225 χ^2/NDF: 2715435.8/84



Right In: -845.973+/-2266.014 χ^2/NDF: 16.2/16

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 468.850+/-767.497 χ^2/NDF: 23.6/19

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

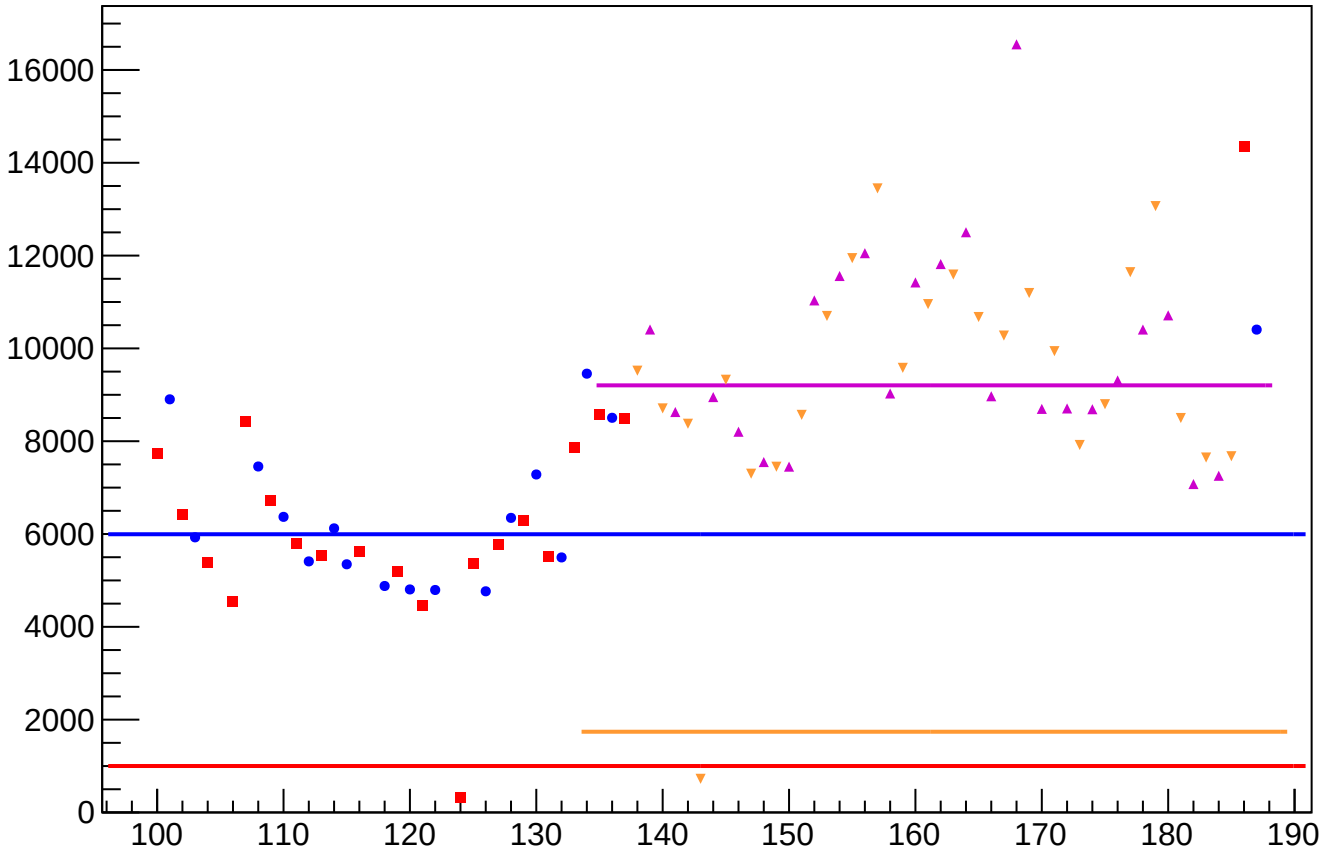
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 333.540+/-726.933 χ^2/NDF: 40.0/36

In: -517.615+/-1576.628 χ^2/NDF:29.6/39

Out: -354.976+/-539.217 χ^2/NDF:57.8/44

All: -372.008+/-510.203 χ^2/NDF: 87.4/84



Right In: 5995.295+/-1.602 χ^2/NDF: 757253.5/16

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1000.716+/-0.543 χ^2/NDF: 12122883.9/19

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

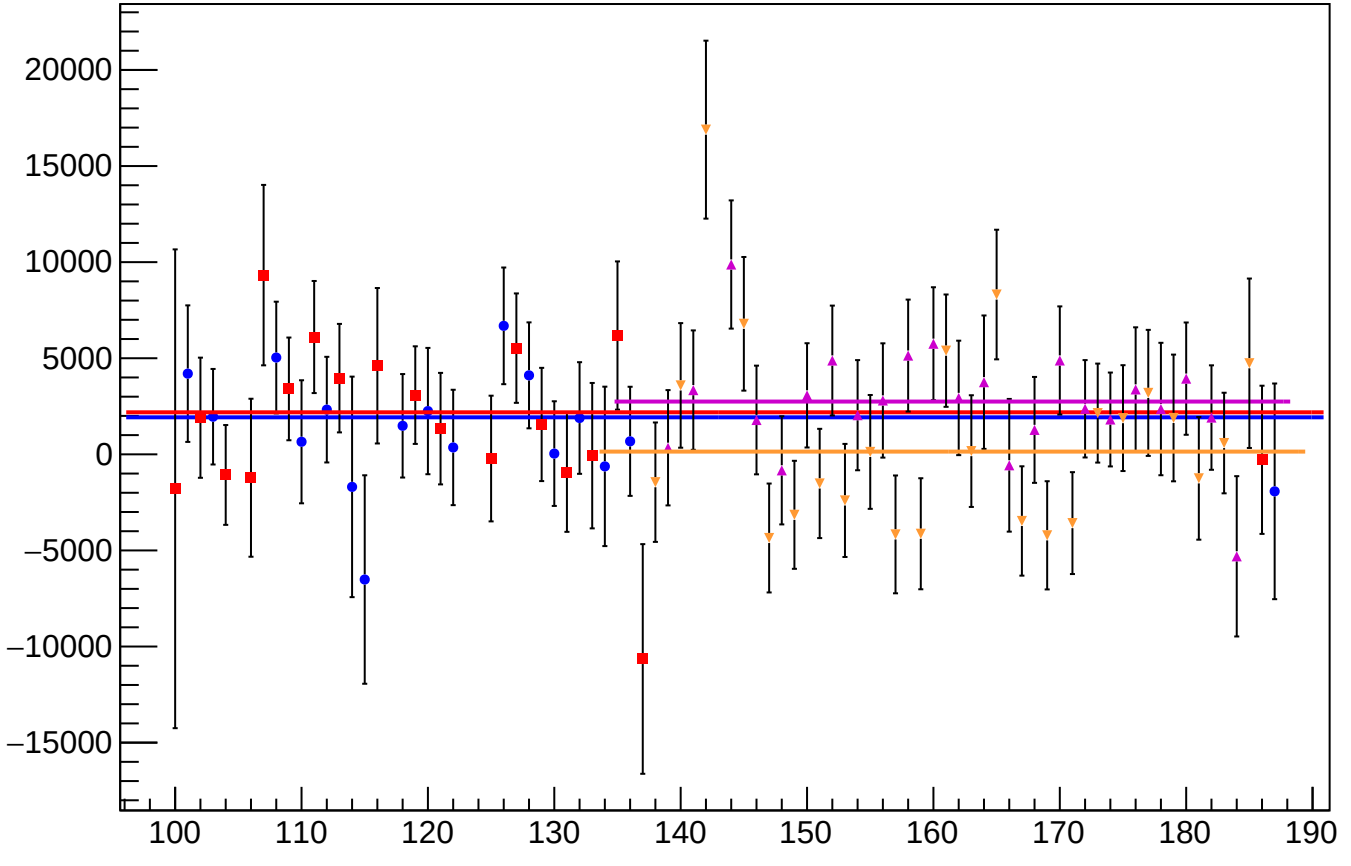
Right: 1514.714+/-0.514 χ^2/NDF: 21596552.3/36

In: 7650.541+/-1.115 χ^2/NDF:4097866.2/39

Out: 1374.816+/-0.381 χ^2/NDF:40796310.3/44

All: 2032.006+/-0.361 χ^2/NDF: 73264129.5/8

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1926.016+/-766.290 χ^2/NDF: 9.5/16

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2186.985+/-756.312 χ^2/NDF: 17.1/18

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

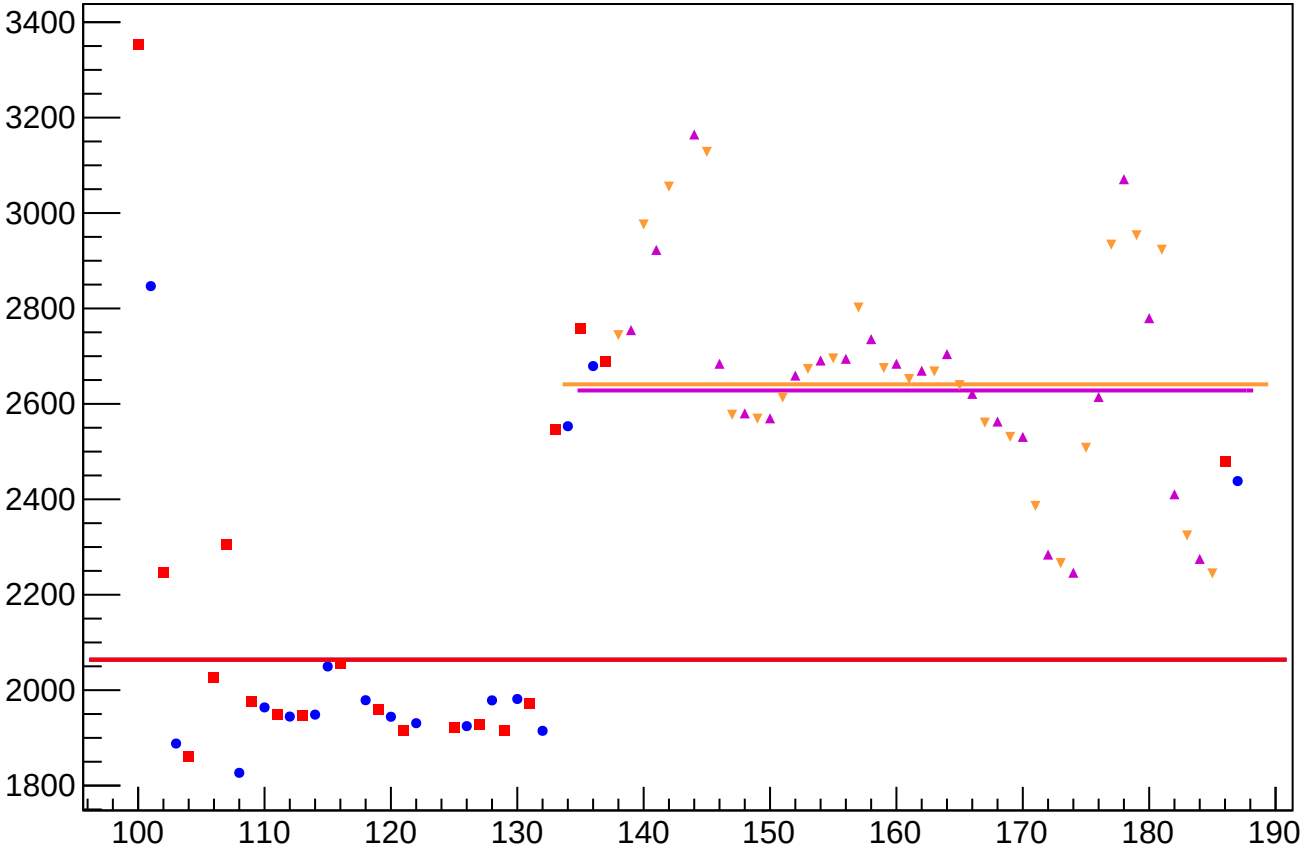
Right: 2058.211+/-538.286 χ^2/NDF: 26.6/35

In: 2424.030+/-480.165 χ^2/NDF:25.6/39

Out: 957.437+/-477.498 χ^2/NDF:67.3/42

All: 1686.649+/-338.581 χ^2/NDF: 97.6/82

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2063.910+/-0.542 χ^2/NDF: 279525.6/16

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2064.003+/-0.534 χ^2/NDF: 220745.9/18

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

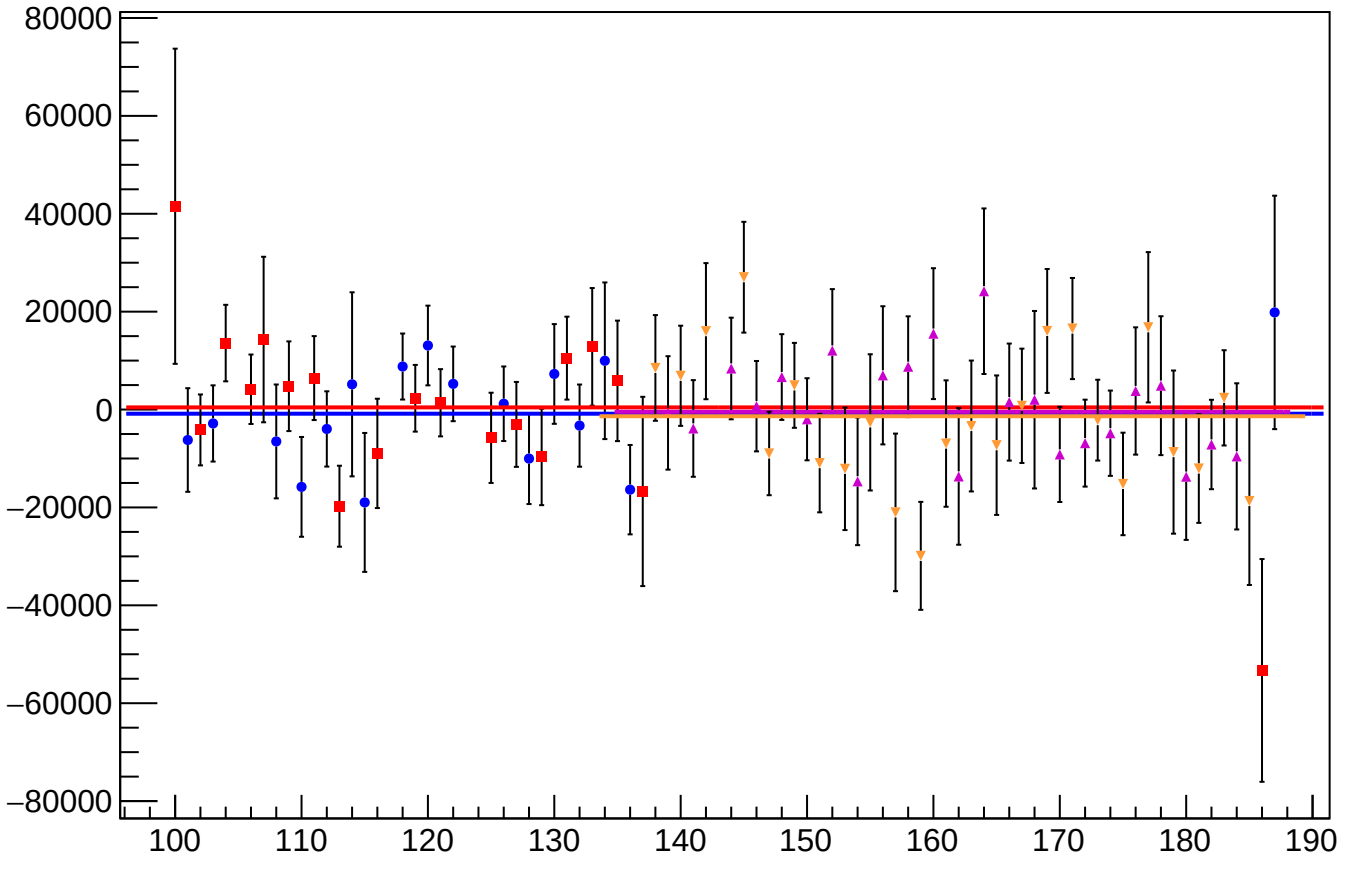
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2063.957+/-0.380 χ^2/NDF: 500271.5/35

In: 2406.584+/-0.340 χ^2/NDF:1175541.2/39

Out: 2410.599+/-0.337 χ^2/NDF:1175410.5/42

All: 2408.604+/-0.239 χ^2/NDF: 2351022.1/82



Right In: -850.890+/-2284.057 χ^2/NDF: 16.1/16

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 439.493+/-2141.350 χ^2/NDF: 24.0/18

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

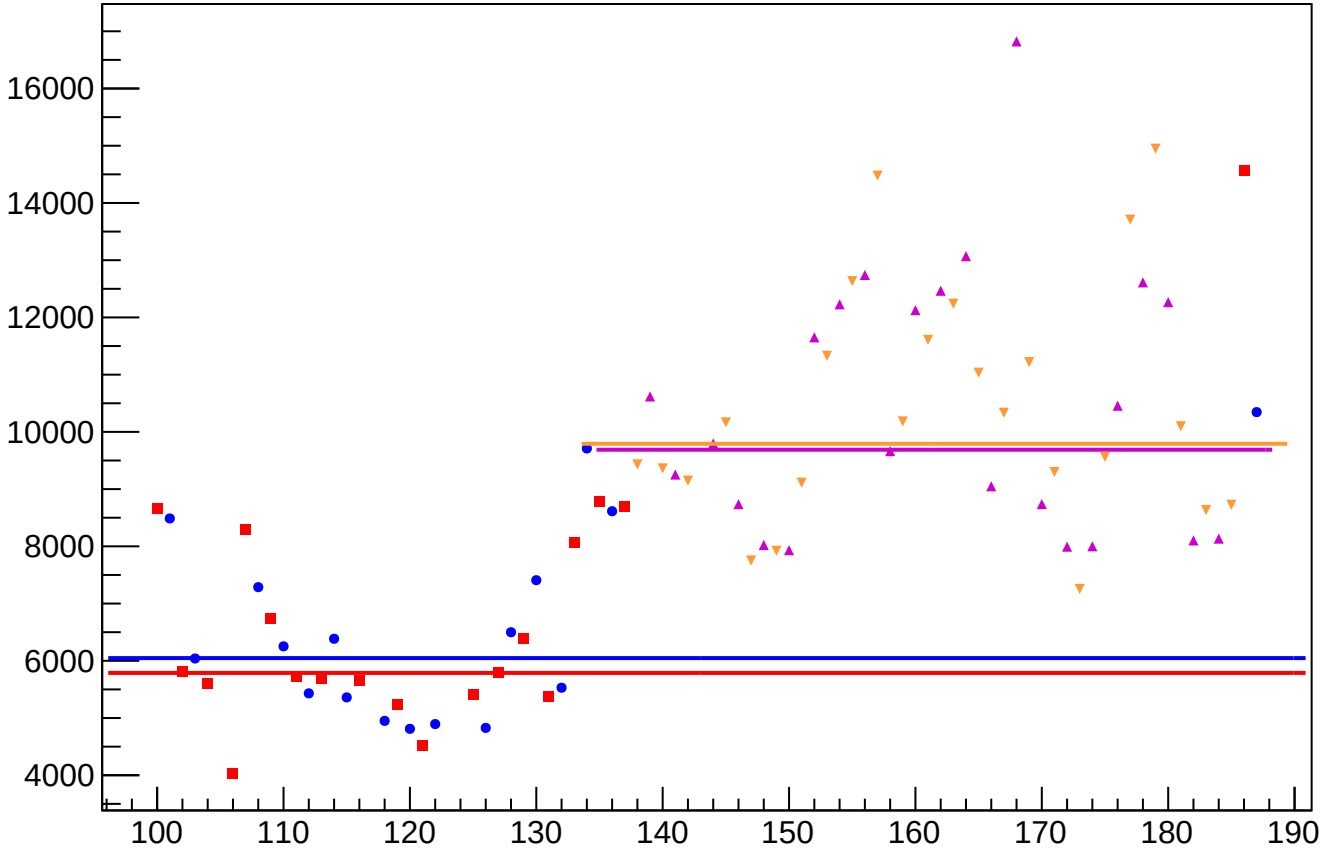
Right: -164.130+/-1562.179 χ^2/NDF: 40.2/35

In: -659.893+/-1625.721 χ^2/NDF:29.2/39

Out: -389.028+/-1575.493 χ^2/NDF:55.6/42

All: -520.212+/-1131.382 χ^2/NDF: 84.8/82

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6047.222+/-1.615 χ^2/NDF: 719575.2/16

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 5788.320+/-1.514 χ^2/NDF: 836118.2/18

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

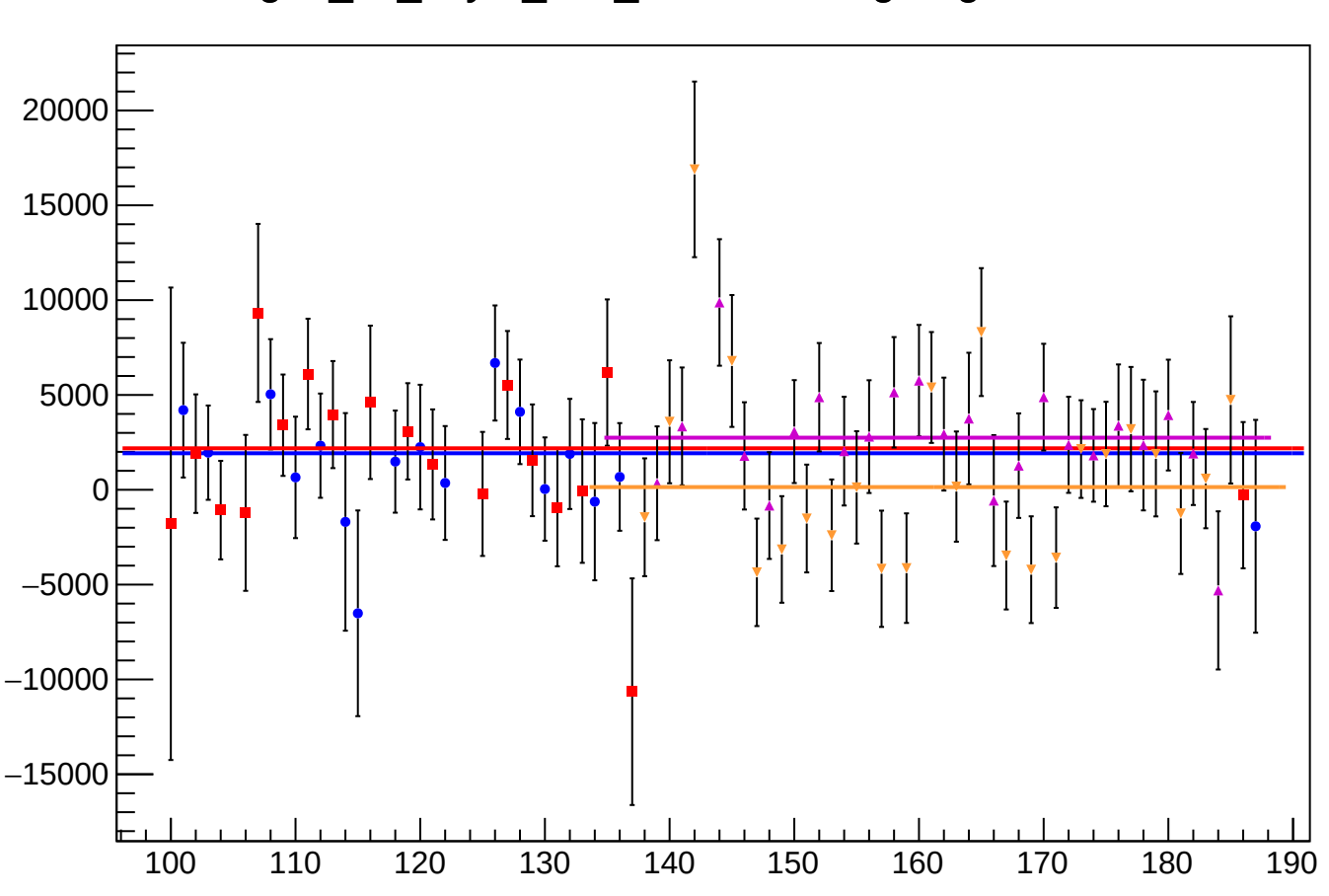
Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

Right: 5909.431+/-1.105 χ^2/NDF: 1569369.9/35

In: 7843.615+/-1.150 χ^2/NDF:4605203.0/39

Out: 7624.817+/-1.114 χ^2/NDF:5262407.4/42

All: 7730.784+/-0.800 χ^2/NDF: 9886291.9/82



Right In: 1926.022+/-766.290 χ^2/NDF: 9.5/16

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2186.993+/-756.312 χ^2/NDF: 17.1/18

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

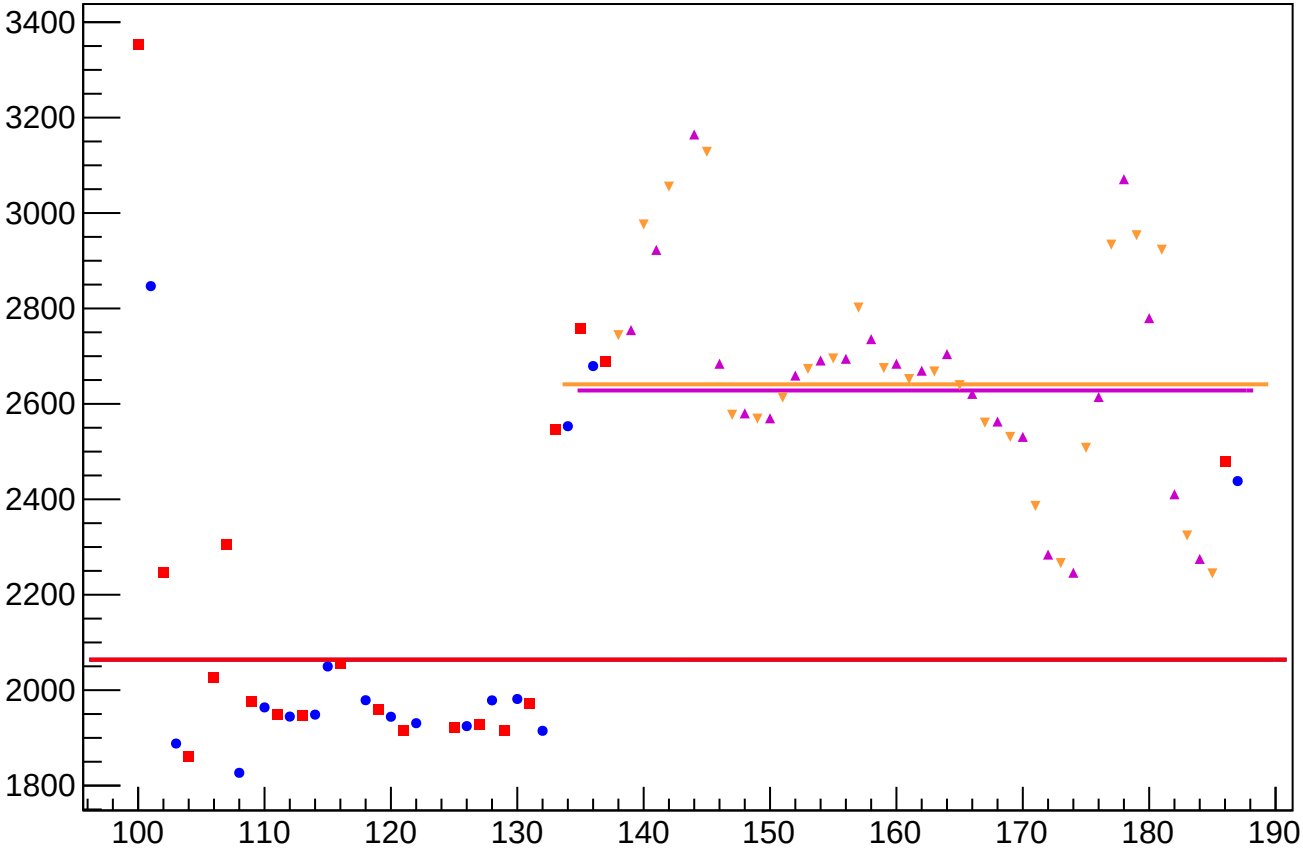
Right: 2058.217+/-538.286 χ^2/NDF: 26.6/35

In: 2424.031+/-480.165 χ^2/NDF:25.6/39

Out: 957.435+/-477.498 χ^2/NDF:67.3/42

All: 1686.649+/-338.581 χ^2/NDF: 97.6/82

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2063.910+/-0.542 χ^2/NDF: 279525.6/16

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2064.003+/-0.534 χ^2/NDF: 220745.7/18

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

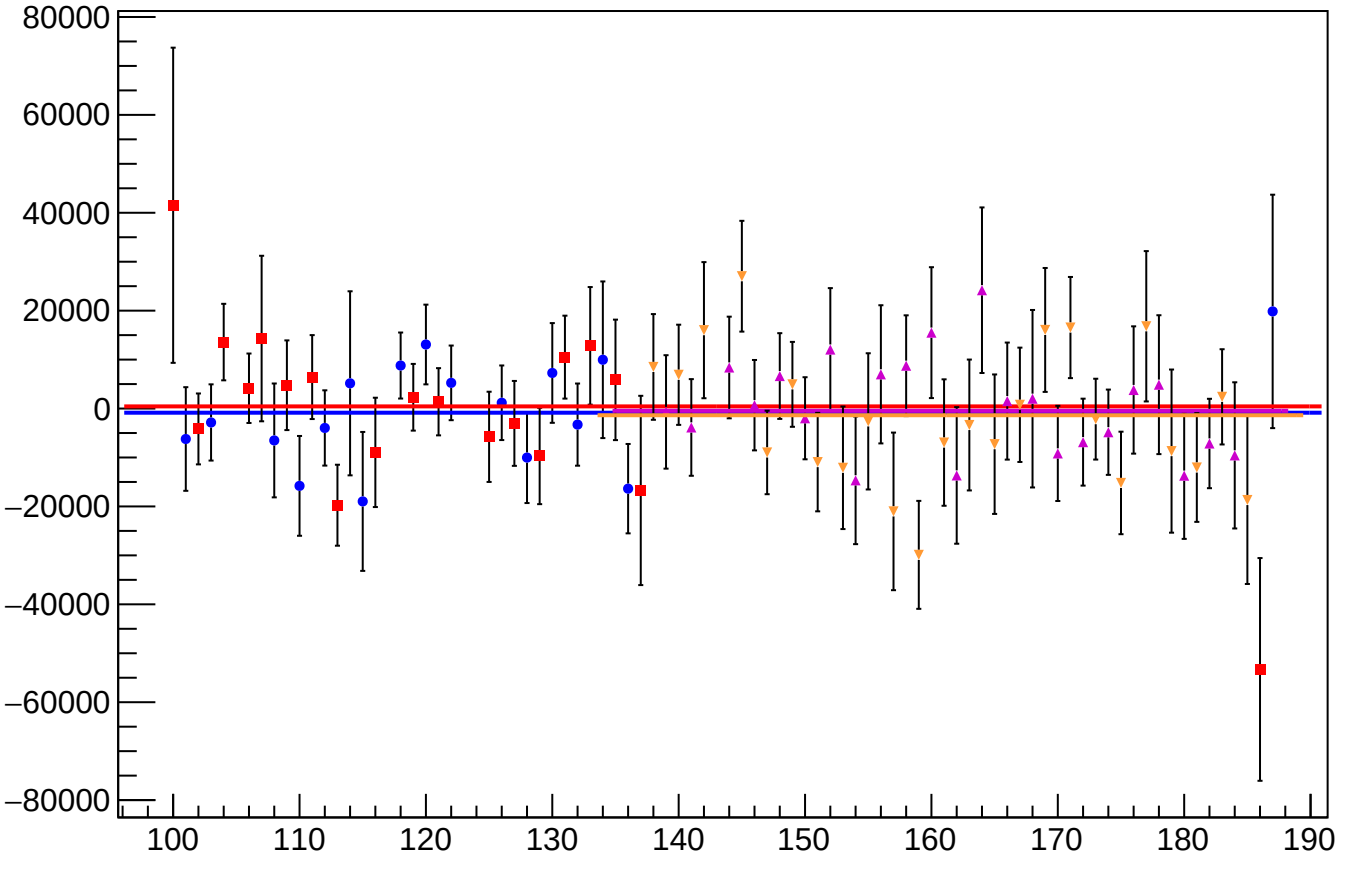
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2063.957+/-0.380 χ^2/NDF: 500271.3/35

In: 2406.586+/-0.340 χ^2/NDF:1175554.8/39

Out: 2410.600+/-0.337 χ^2/NDF:1175425.6/42

All: 2408.605+/-0.239 χ^2/NDF: 2351050.7/82



Right In: -850.879+/-2284.050 χ^2/NDF: 16.1/16

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 439.501+/-2141.344 χ^2/NDF: 24.0/18

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

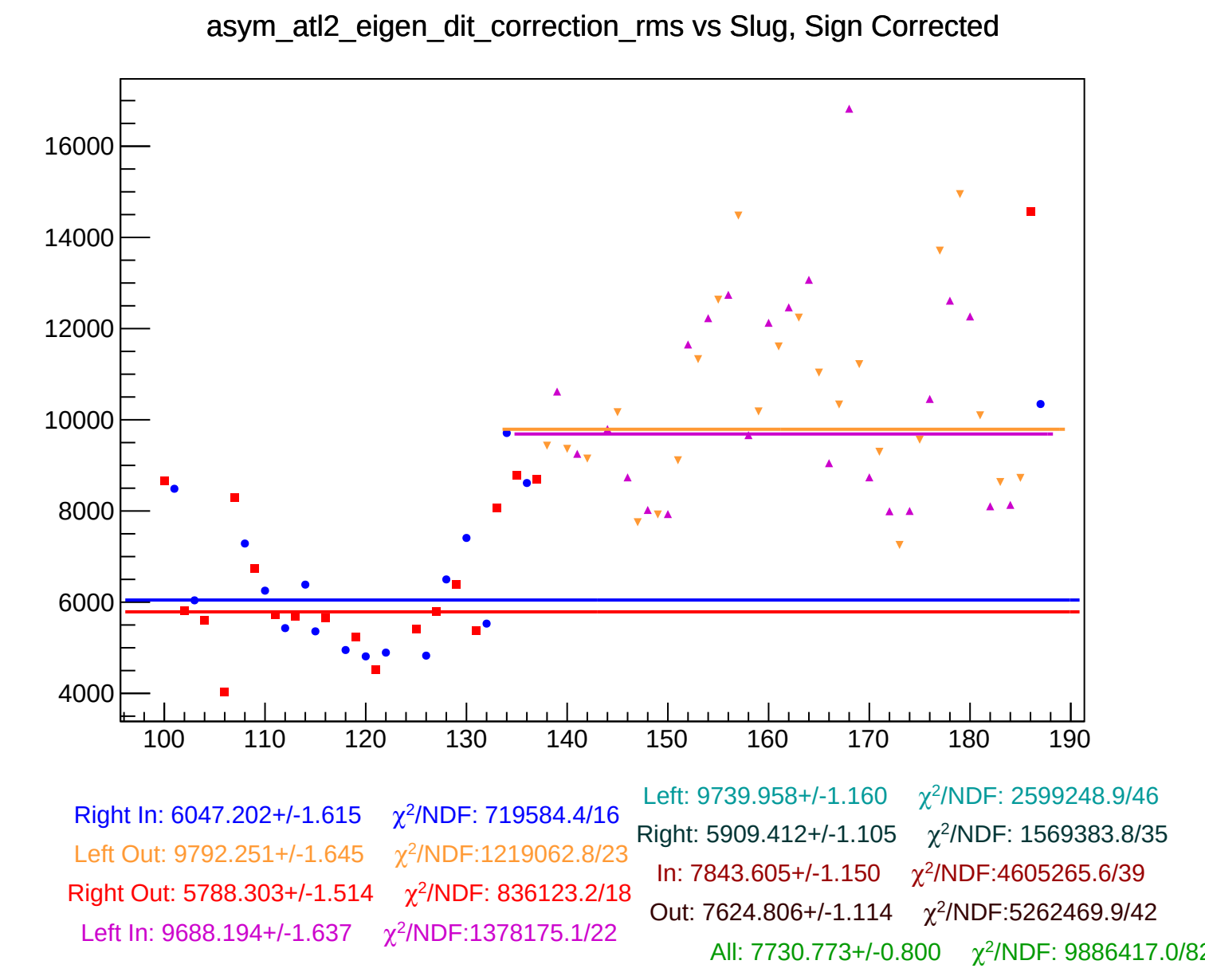
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -164.121+/-1562.174 χ^2/NDF: 40.2/35

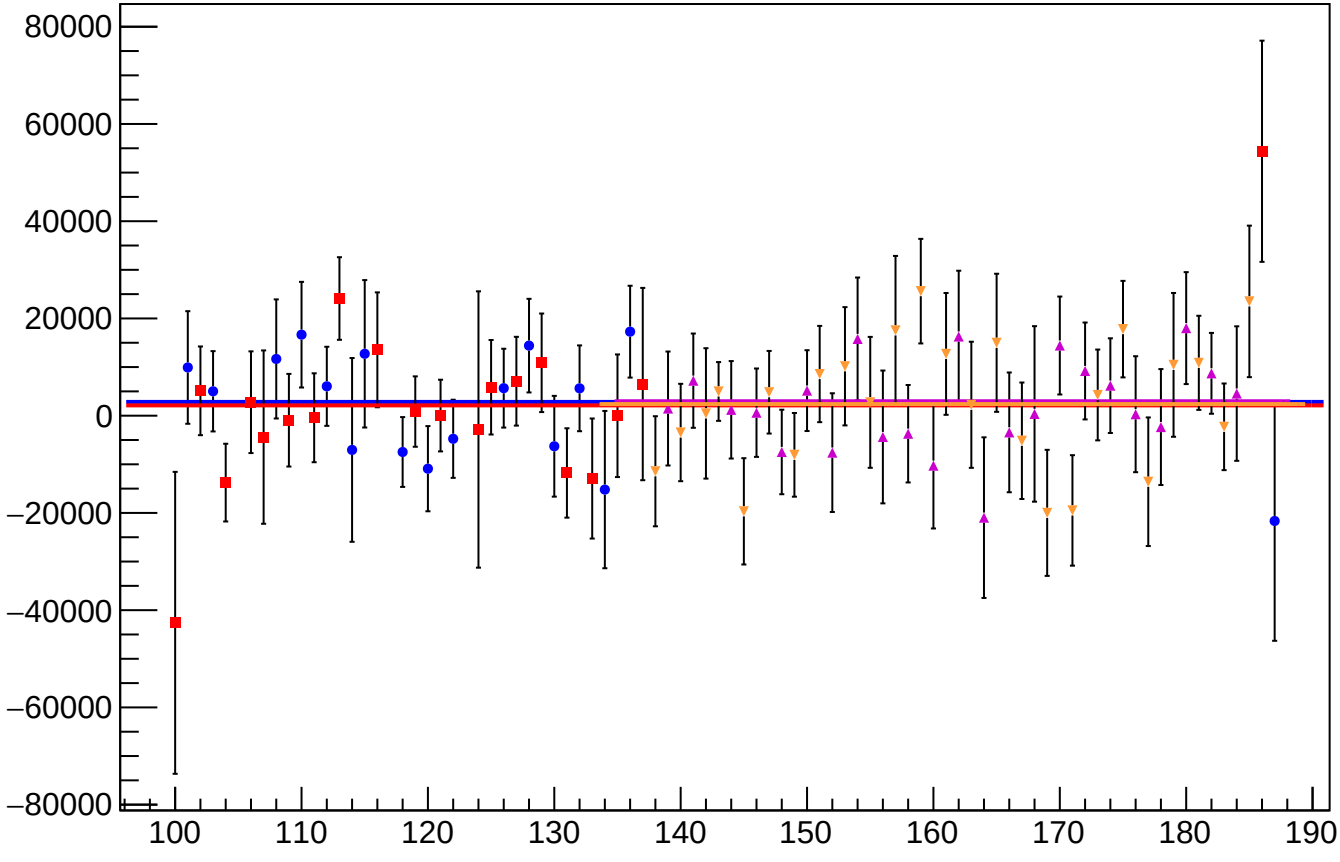
In: -659.889+/-1625.720 χ^2/NDF:29.2/39

Out: -389.024+/-1575.492 χ^2/NDF:55.6/42

All: -520.208+/-1131.381 χ^2/NDF: 84.8/82


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 6047.202+/-1.615 χ²/NDF: 719584.4/16
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 5788.303+/-1.514 χ²/NDF: 836123.2/18
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 5909.412+/-1.105 χ²/NDF: 1569383.8/35
In: 7843.605+/-1.150 χ²/NDF:4605265.6/39
Out: 7624.806+/-1.114 χ²/NDF:5262469.9/42
All: 7730.773+/-0.800 χ²/NDF: 9886417.0/82

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2834.003+/-2409.127 χ^2/NDF: 15.9/16

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 2118.393+/-2323.661 χ^2/NDF: 24.5/19

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

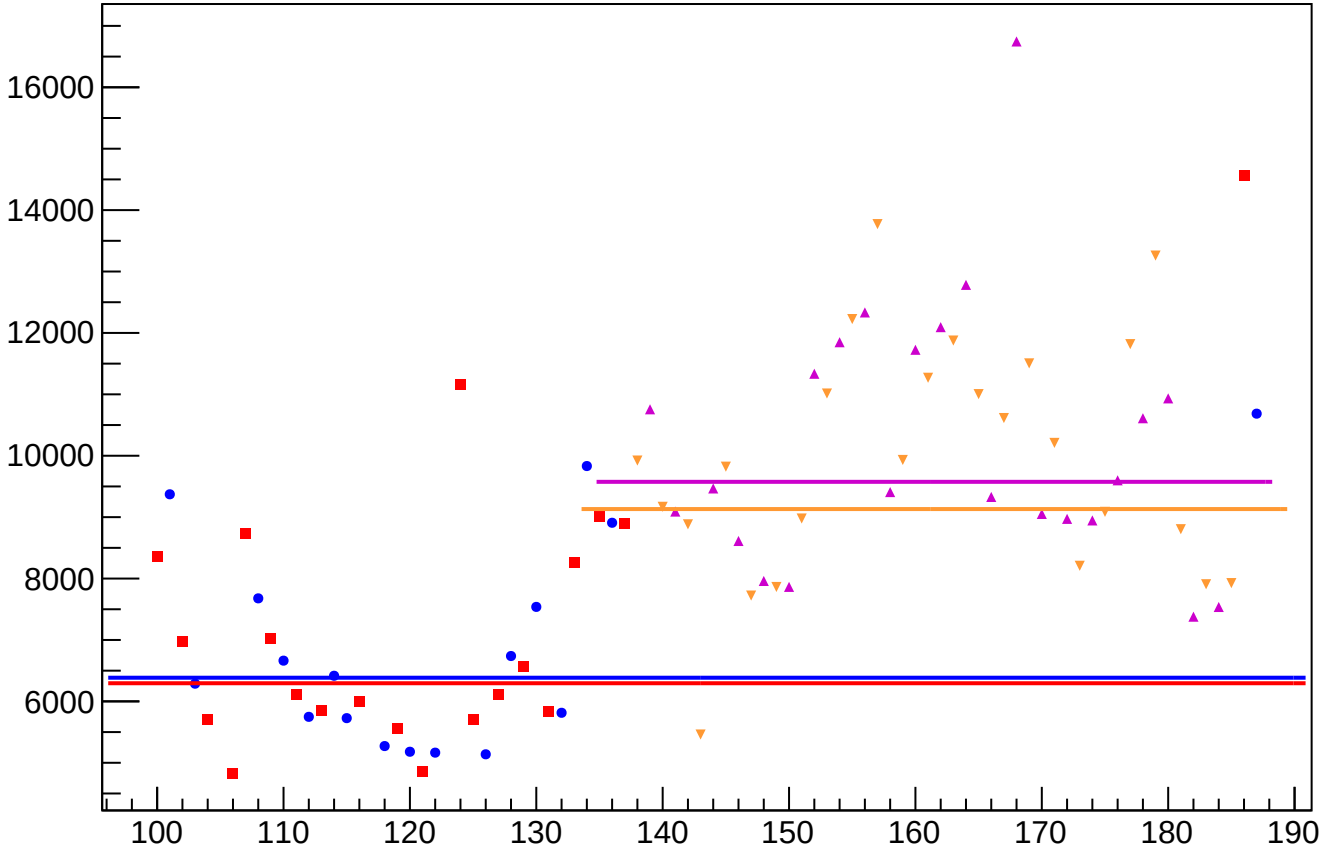
Right: 2463.280+/-1672.475 χ^2/NDF: 40.5/36

In: 2902.365+/-1655.561 χ^2/NDF:28.8/39

Out: 2264.411+/-1572.756 χ^2/NDF:54.3/44

All: 2567.036+/-1140.256 χ^2/NDF: 83.2/84

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6385.285+/-1.704 χ^2/NDF: 682716.4/16

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6295.312+/-1.643 χ^2/NDF: 738953.2/19

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

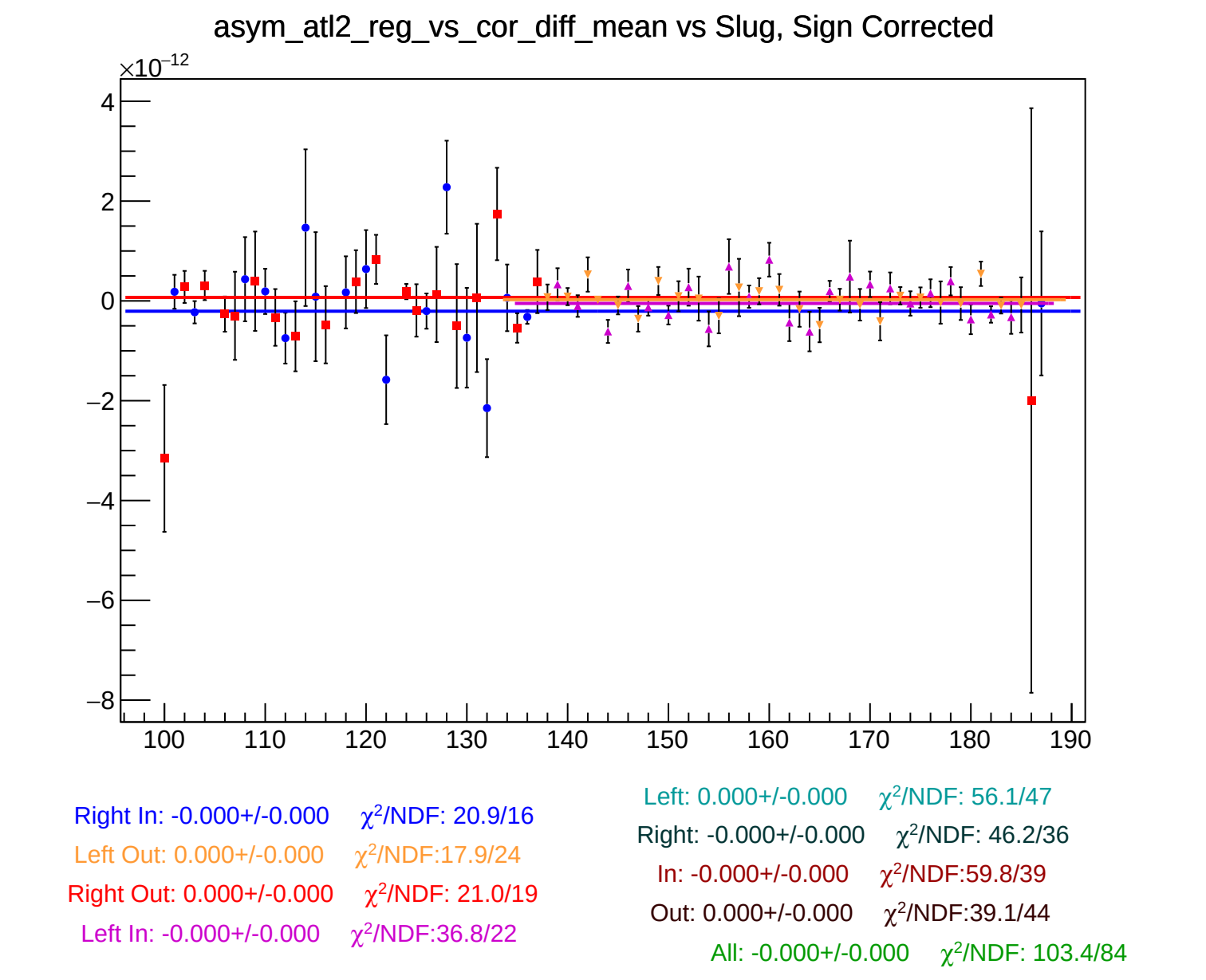
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

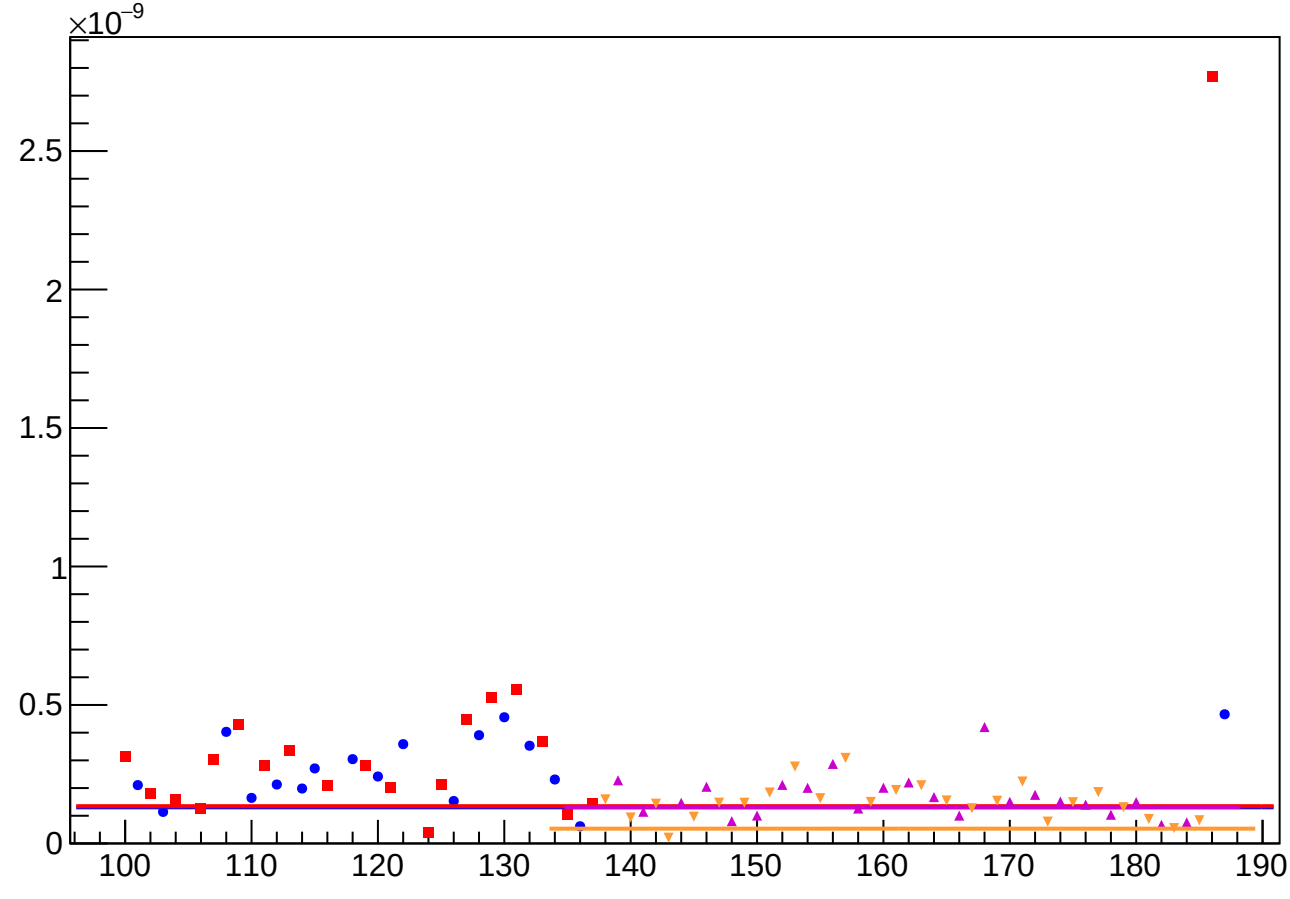
Right: 6338.674+/-1.183 χ^2/NDF: 1423114.8/36

In: 8068.781+/-1.171 χ^2/NDF:3687099.4/39

Out: 7832.304+/-1.112 χ^2/NDF:4165442.4/44

All: 7944.481+/-0.806 χ^2/NDF: 7873990.6/84


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 20.9/16
Left Out: 0.000+/-0.000 χ²/NDF:17.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.0/19
Left In: -0.000+/-0.000 χ²/NDF:36.8/22
Left: 0.000+/-0.000 χ²/NDF: 56.1/47
Right: -0.000+/-0.000 χ²/NDF: 46.2/36
In: -0.000+/-0.000 χ²/NDF:59.8/39
Out: 0.000+/-0.000 χ²/NDF:39.1/44
All: -0.000+/-0.000 χ²/NDF: 103.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 1829189.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2709491.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

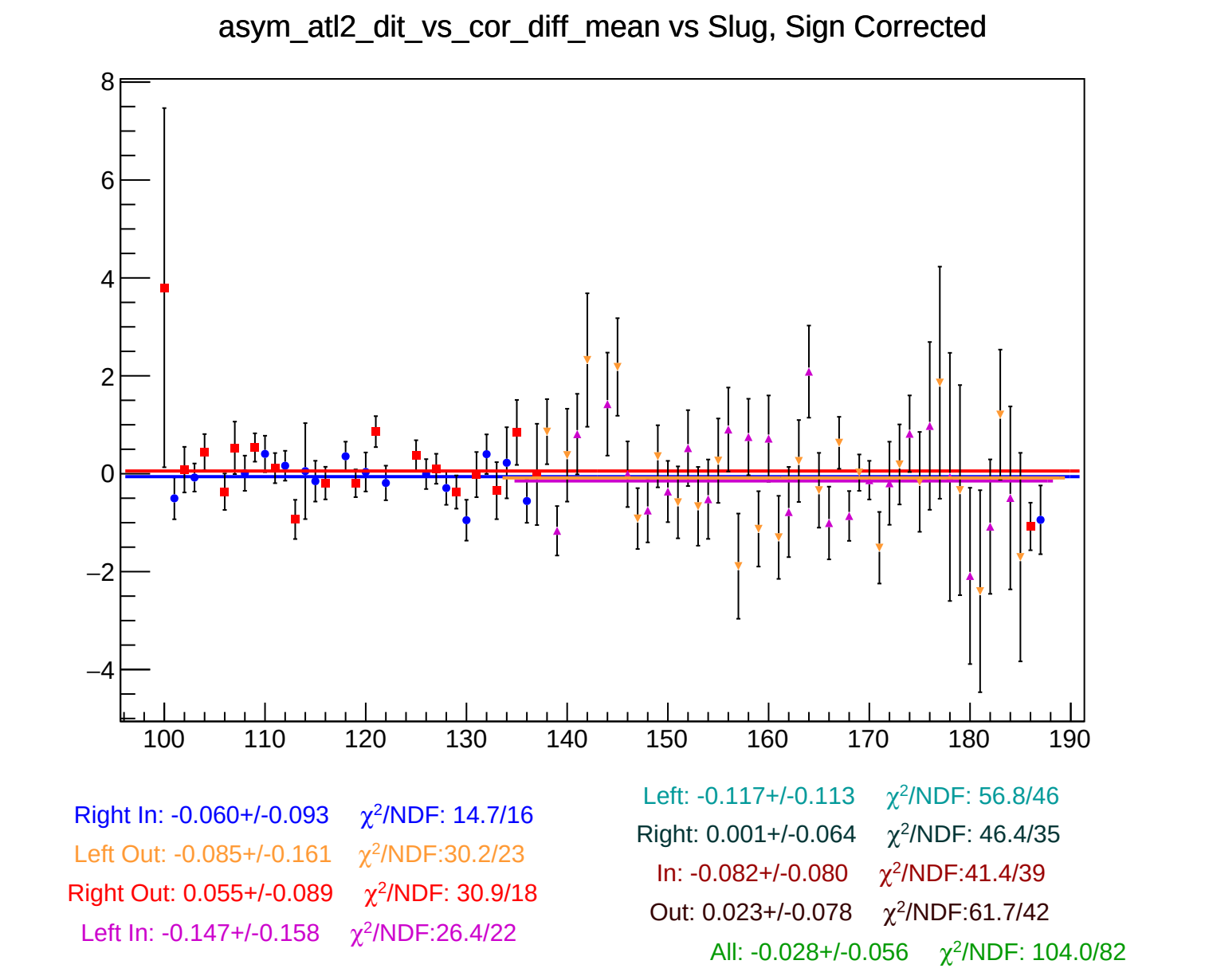
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

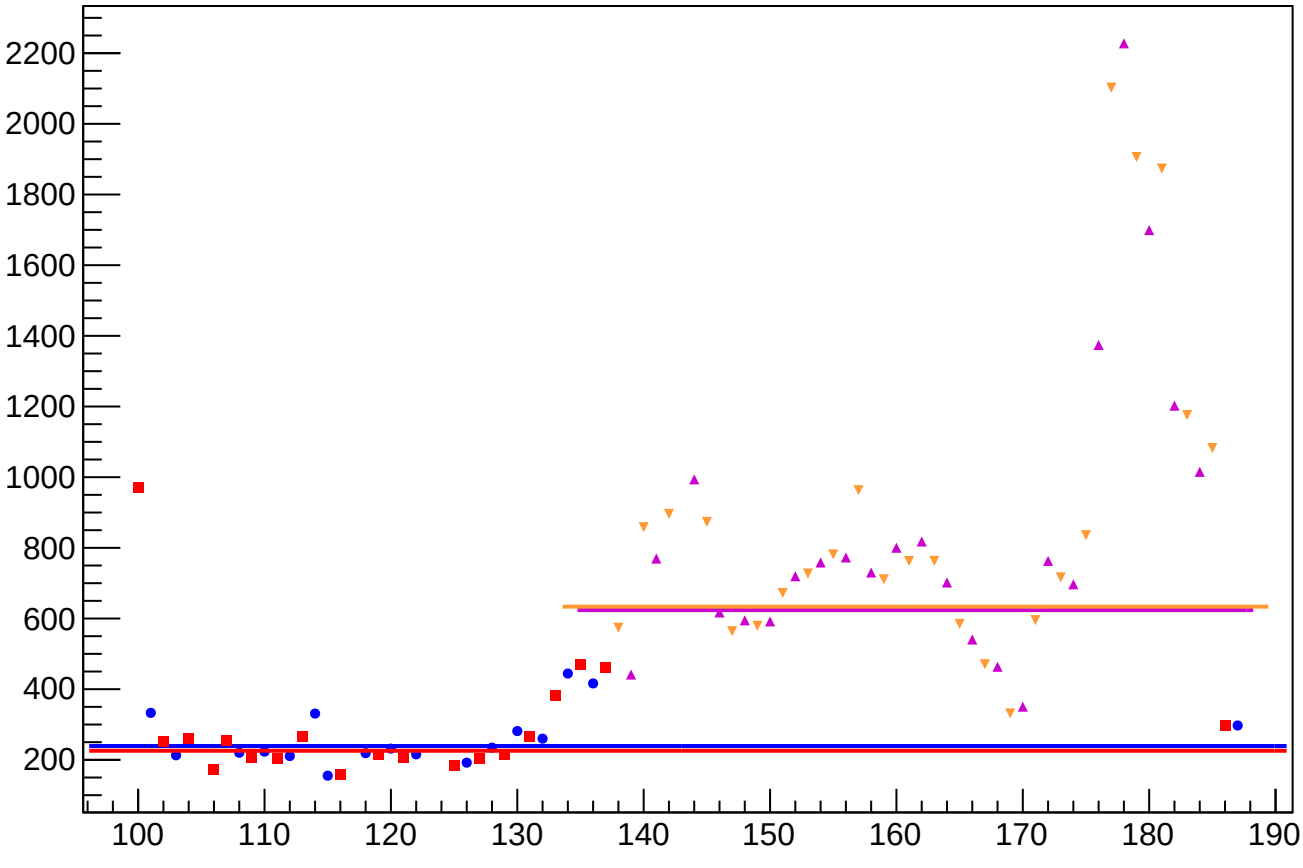
Right: 0.000+/-0.000 χ^2/NDF: 4540510.5/36

In: 0.000+/-0.000 χ^2/NDF:3733449.8/39

Out: 0.000+/-0.000 χ^2/NDF:11264633.6/44

All: 0.000+/-0.000 χ^2/NDF: 18245382.3/84


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.060+/-0.093 χ²/NDF: 14.7/16
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.055+/-0.089 χ²/NDF: 30.9/18
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.001+/-0.064 χ²/NDF: 46.4/35
In: -0.082+/-0.080 χ²/NDF:41.4/39
Out: 0.023+/-0.078 χ²/NDF:61.7/42
All: -0.028+/-0.056 χ²/NDF: 104.0/82



Right In: 239.202+/-0.066 χ^2/NDF: 821137.0/16

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 225.835+/-0.063 χ^2/NDF: 906882.2/18

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

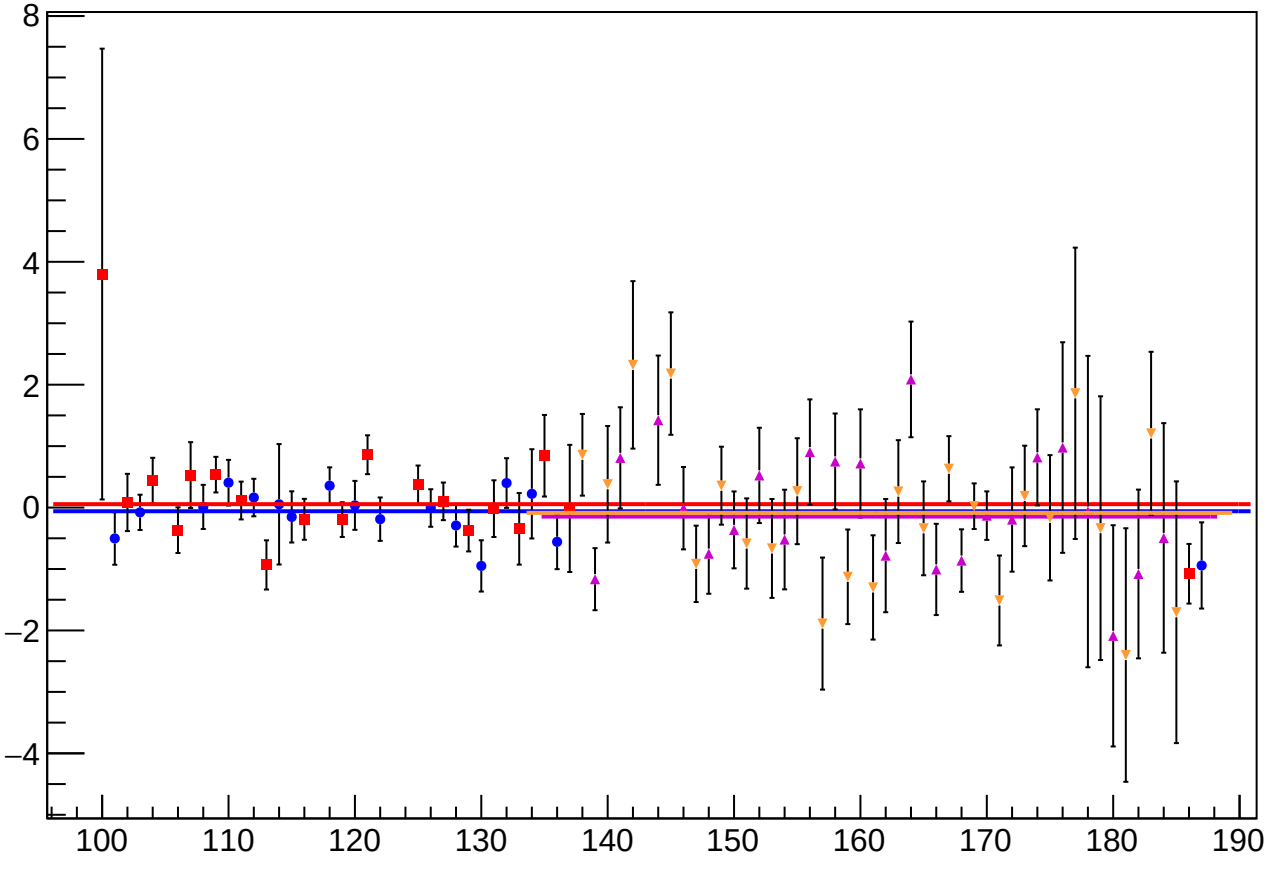
Right: 232.191+/-0.045 χ^2/NDF: 1749702.2/35

In: 337.952+/-0.057 χ^2/NDF:14152830.2/39

Out: 320.125+/-0.055 χ^2/NDF:15715015.1/42

All: 328.752+/-0.039 χ^2/NDF: 29918899.1/82

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.055+/-0.089 χ^2/NDF: 30.9/18

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

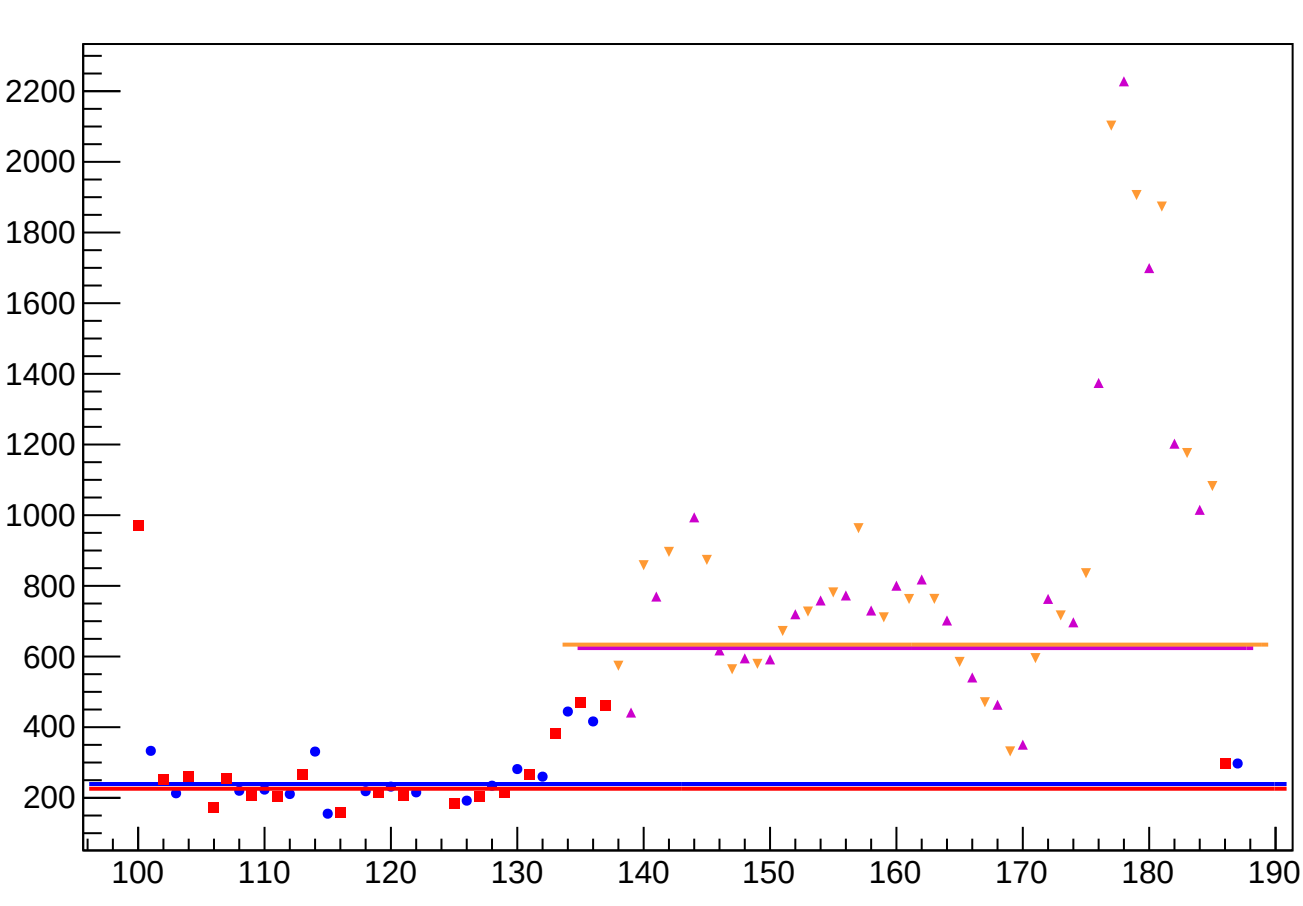
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.001+/-0.064 χ^2/NDF: 46.4/35

In: -0.082+/-0.080 χ^2/NDF:41.4/39

Out: 0.023+/-0.078 χ^2/NDF:61.7/42

All: -0.028+/-0.056 χ^2/NDF: 104.0/82



Right In: 239.202+/-0.066 χ^2/NDF: 821137.0/16

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 225.835+/-0.063 χ^2/NDF: 906882.2/18

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

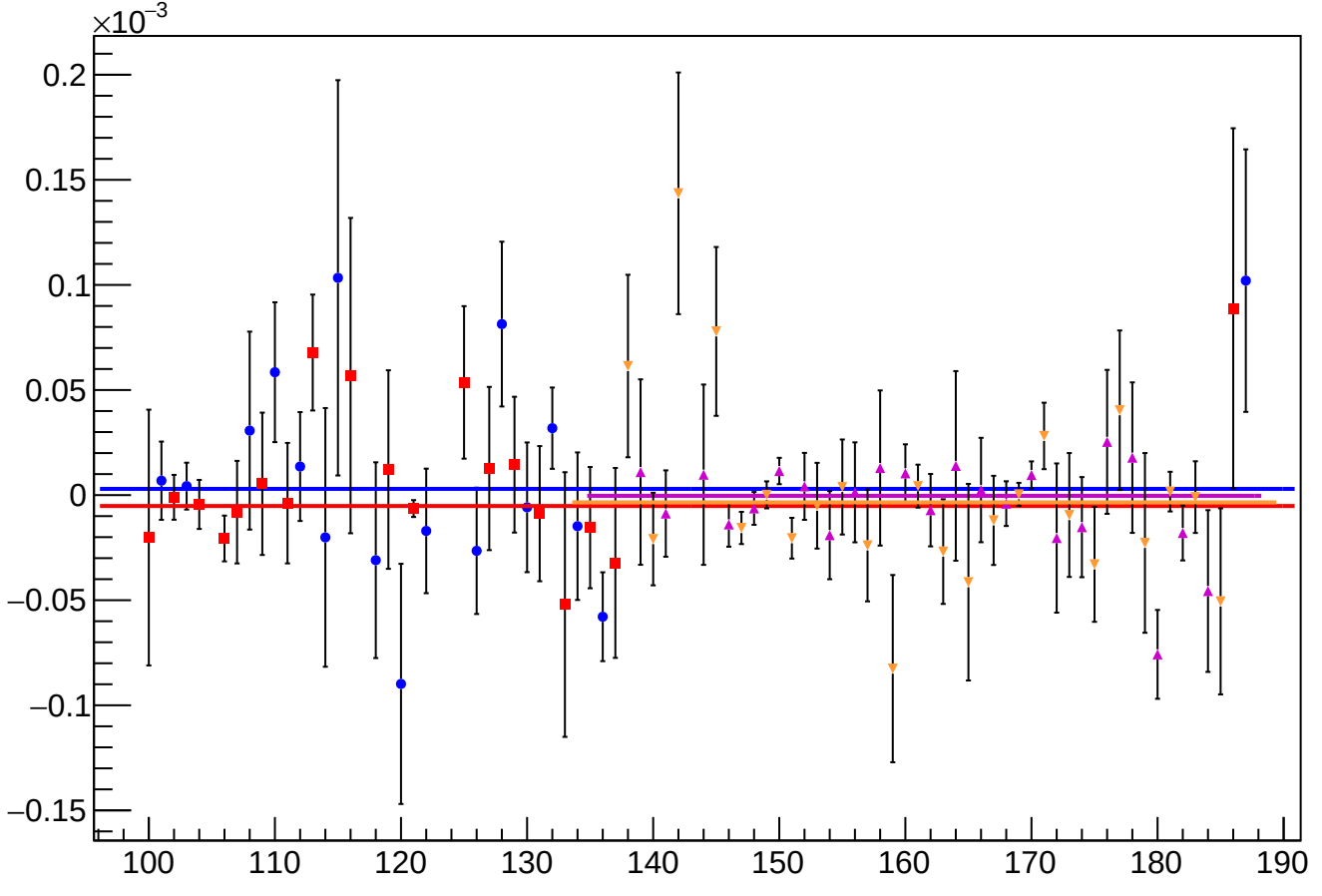
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 232.191+/-0.045 χ^2/NDF: 1749702.2/35

In: 337.952+/-0.057 χ^2/NDF:14152830.2/39

Out: 320.125+/-0.055 χ^2/NDF:15715015.1/42

All: 328.752+/-0.039 χ^2/NDF: 29918899.1/82



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

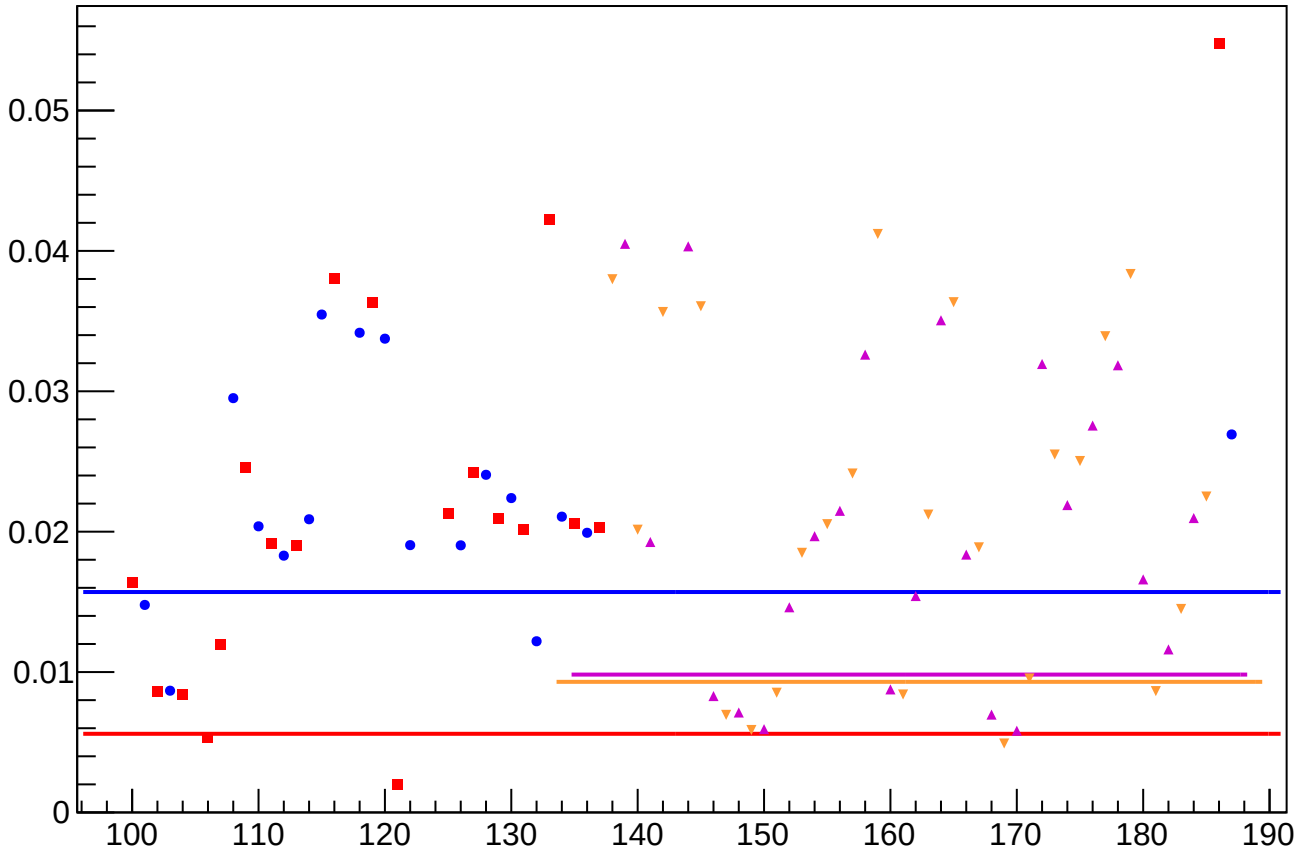
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 43.6/35

In: 0.000+/-0.000 χ^2/NDF:54.7/39

Out: -0.000+/-0.000 χ^2/NDF:50.2/42

All: -0.000+/-0.000 χ^2/NDF: 106.6/82



Right In: 0.016+/-0.000 χ^2/NDF: 2139935.6/16

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 8613260.3/18

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

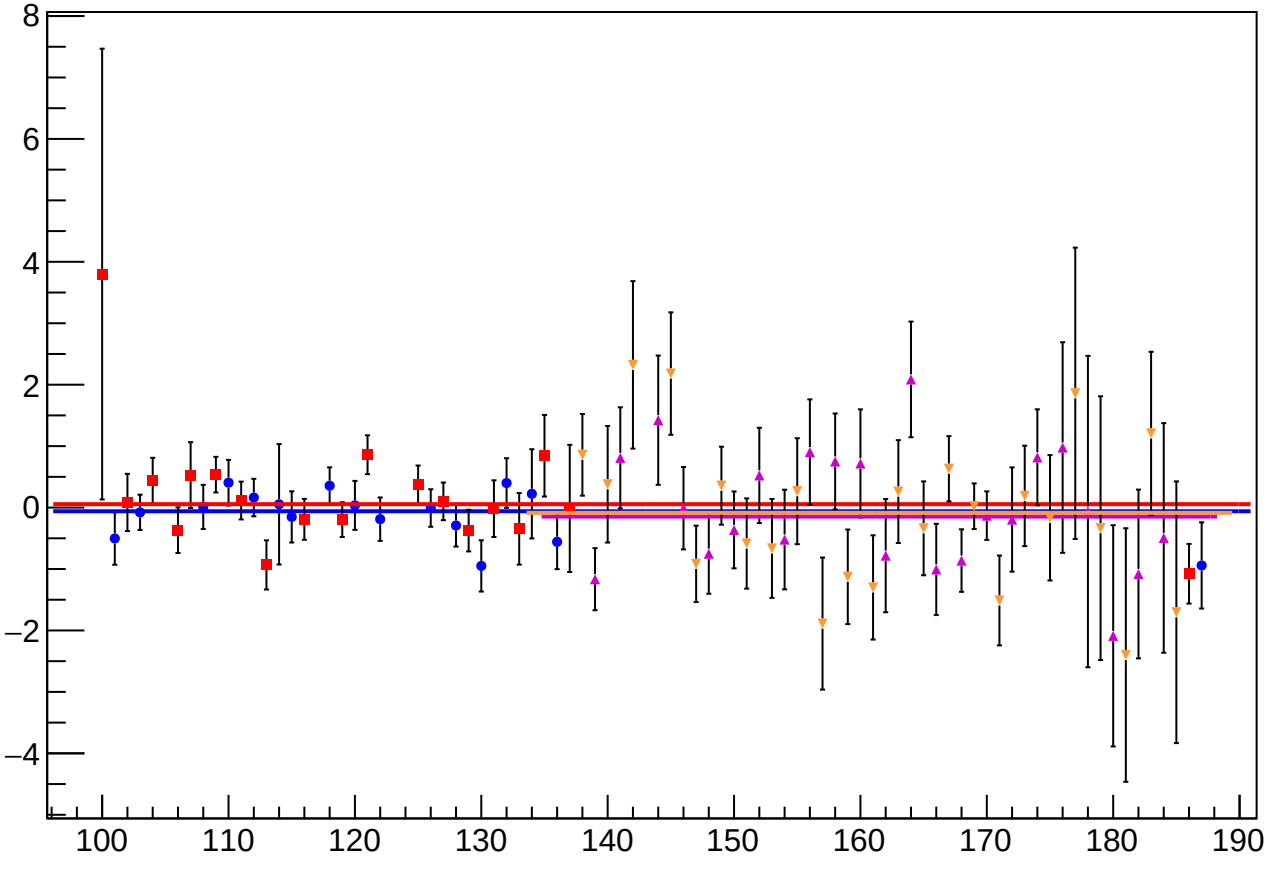
Right: 0.008+/-0.000 χ^2/NDF: 14796111.5/35

In: 0.011+/-0.000 χ^2/NDF:13869951.5/39

Out: 0.008+/-0.000 χ^2/NDF:22377284.6/42

All: 0.009+/-0.000 χ^2/NDF: 37957542.7/82

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.055+/-0.089 χ^2/NDF: 30.9/18

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

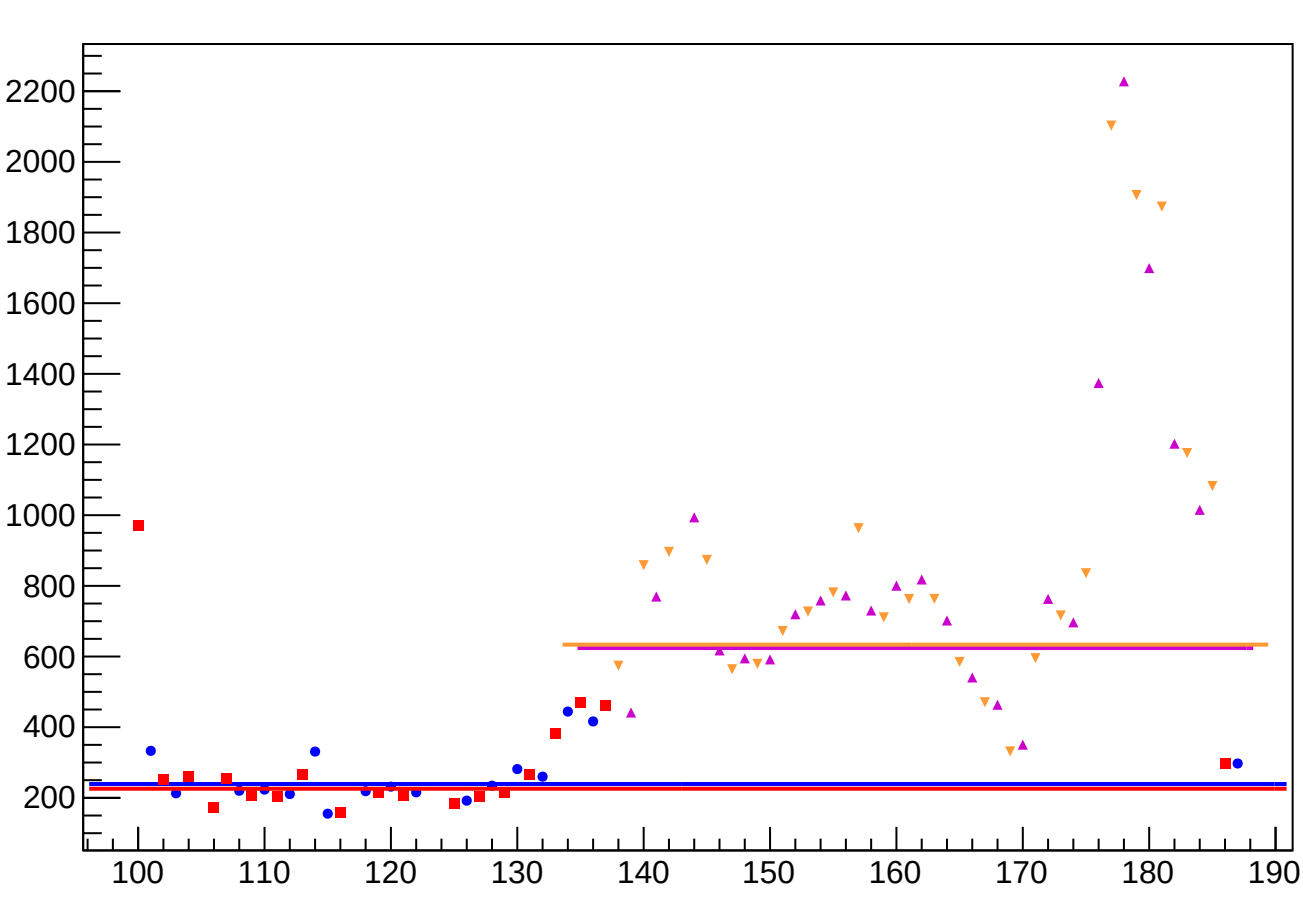
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.001+/-0.064 χ^2/NDF: 46.4/35

In: -0.082+/-0.080 χ^2/NDF:41.4/39

Out: 0.023+/-0.078 χ^2/NDF:61.7/42

All: -0.028+/-0.056 χ^2/NDF: 104.0/82



Right In: 239.203+/-0.066 χ^2/NDF: 821105.9/16

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 225.836+/-0.063 χ^2/NDF: 906788.8/18

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

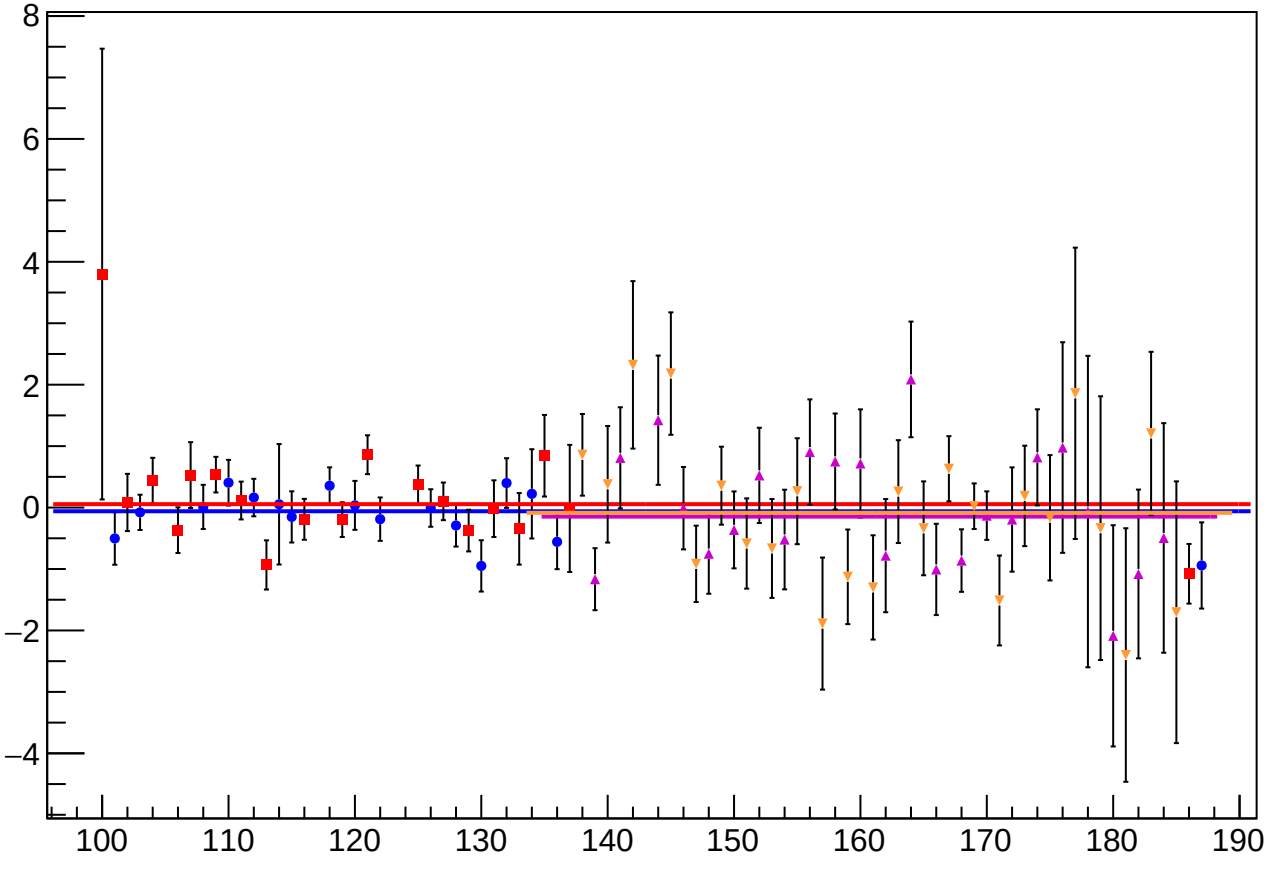
Right: 232.192+/-0.045 χ^2/NDF: 1749577.4/35

In: 337.954+/-0.057 χ^2/NDF:14152888.8/39

Out: 320.126+/-0.055 χ^2/NDF:15715024.3/42

All: 328.753+/-0.039 χ^2/NDF: 29918970.1/82

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.055+/-0.089 χ^2/NDF: 30.9/18

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

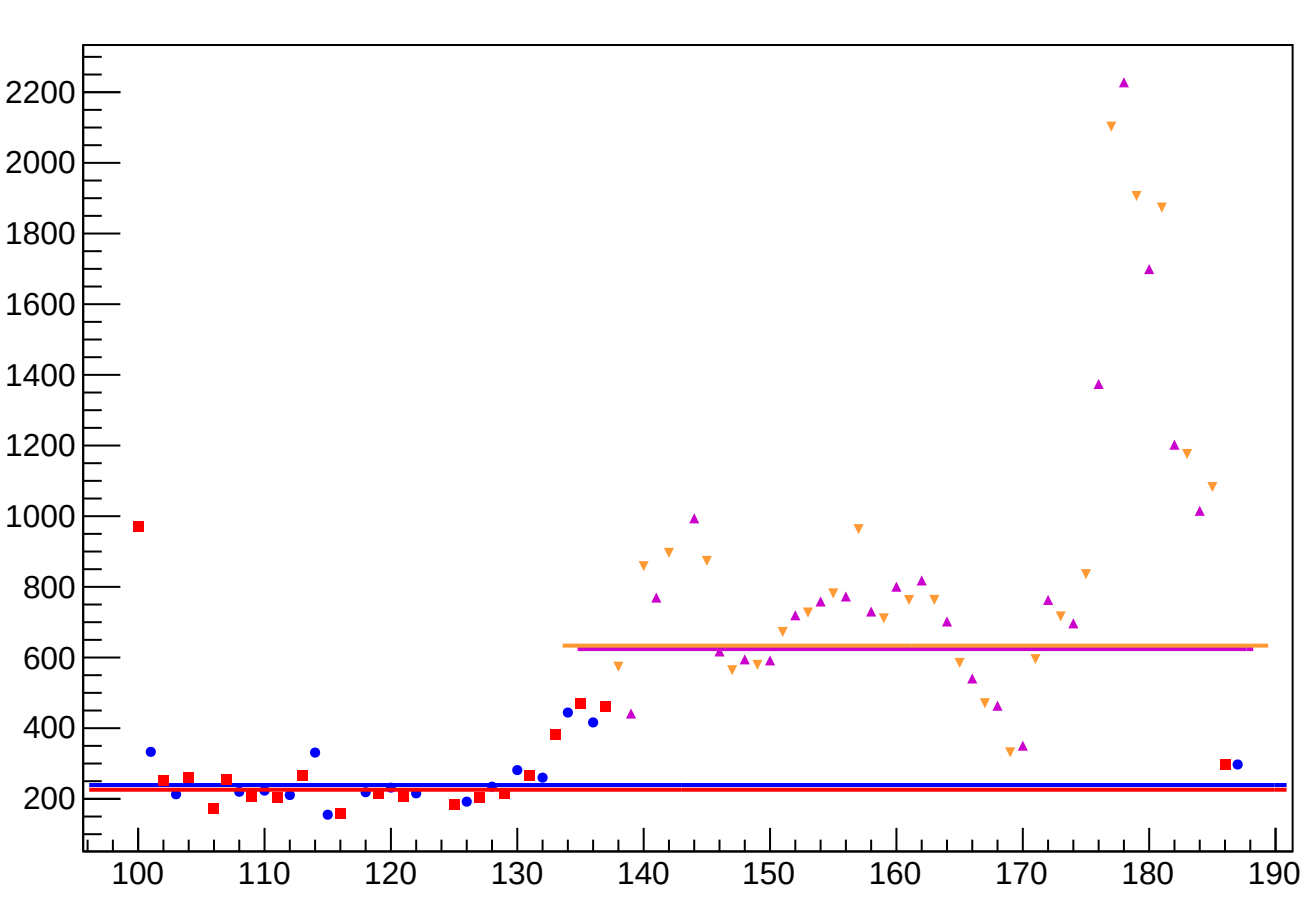
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.001+/-0.064 χ^2/NDF: 46.4/35

In: -0.082+/-0.080 χ^2/NDF:41.4/39

Out: 0.023+/-0.078 χ^2/NDF:61.7/42

All: -0.028+/-0.056 χ^2/NDF: 104.0/82



Right In: 239.203+/-0.066 χ^2/NDF: 821105.9/16

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 225.836+/-0.063 χ^2/NDF: 906788.8/18

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

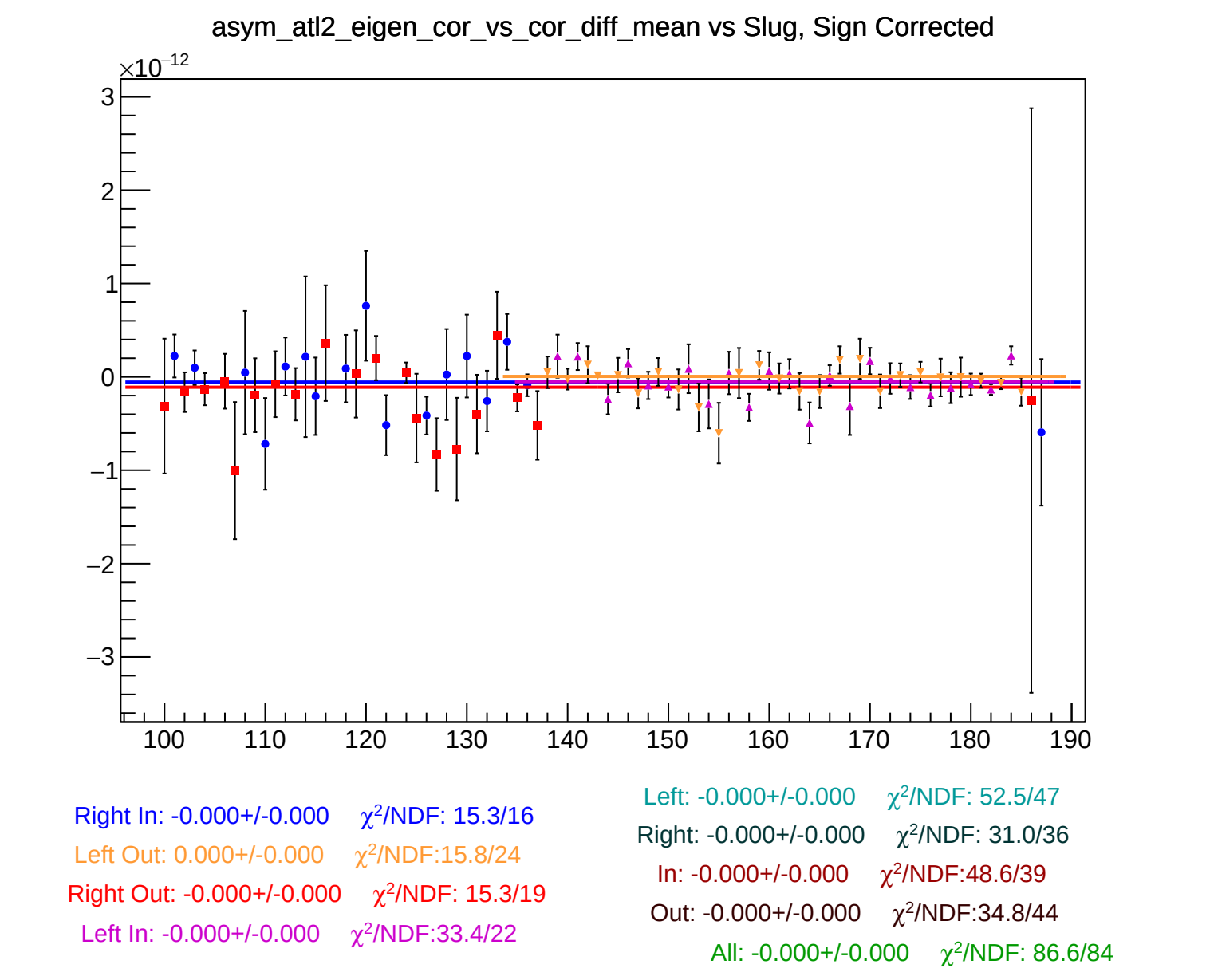
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

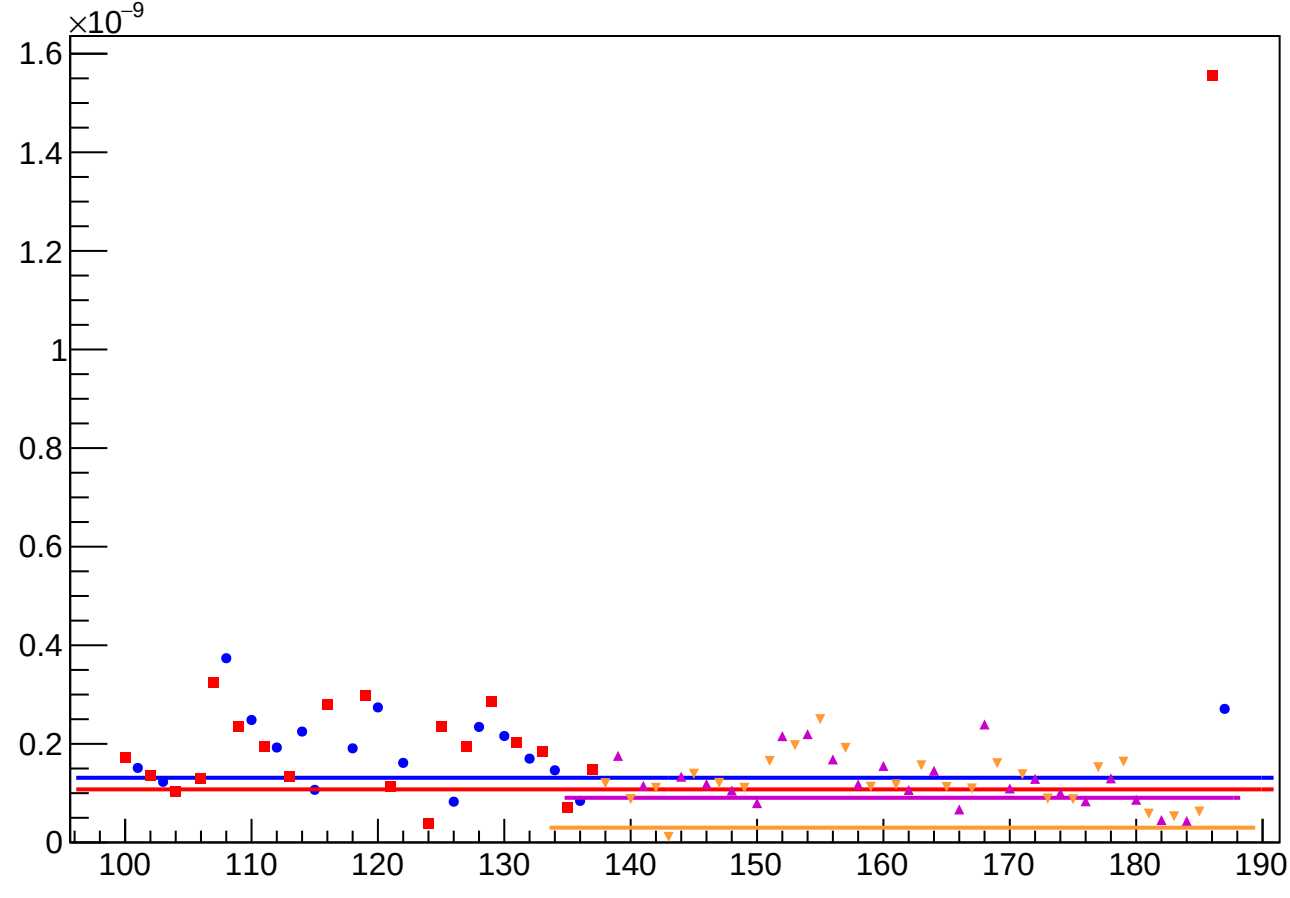
Right: 232.192+/-0.045 χ^2/NDF: 1749577.4/35

In: 337.954+/-0.057 χ^2/NDF:14152888.8/39

Out: 320.126+/-0.055 χ^2/NDF:15715024.3/42

All: 328.753+/-0.039 χ^2/NDF: 29918970.1/82


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.3/16
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.3/19
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 31.0/36
In: -0.000+/-0.000 χ²/NDF:48.6/39
Out: -0.000+/-0.000 χ²/NDF:34.8/44
All: -0.000+/-0.000 χ²/NDF: 86.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 1398168.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3084683.7/19

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

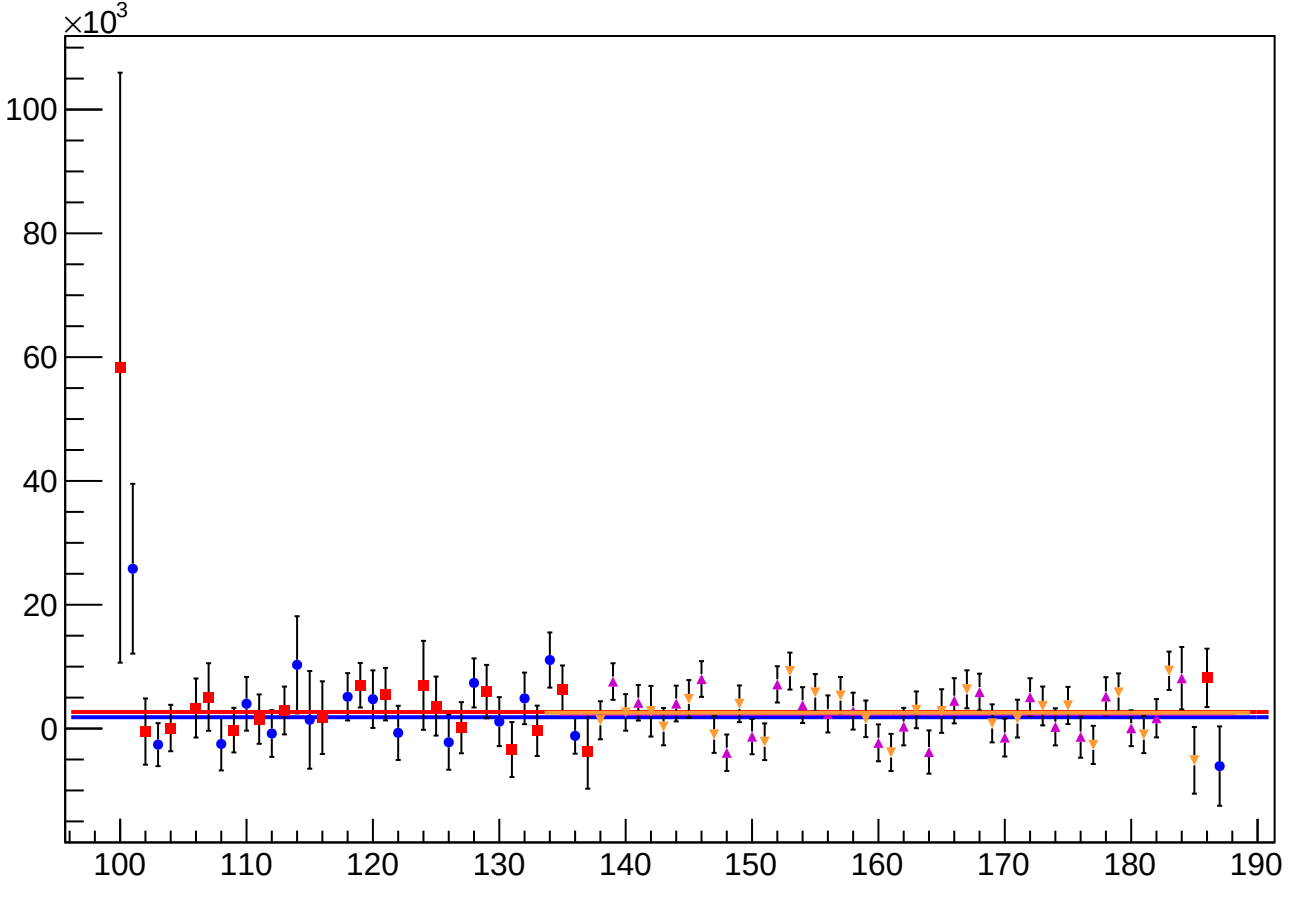
Right: 0.000+/-0.000 χ^2/NDF: 4621188.7/36

In: 0.000+/-0.000 χ^2/NDF:6736167.5/39

Out: 0.000+/-0.000 χ^2/NDF:23638795.2/44

All: 0.000+/-0.000 χ^2/NDF: 39706531.9/84

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1829.549+/-1055.790 χ^2/NDF: 19.3/16

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2677.031+/-1011.403 χ^2/NDF: 12.2/19

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

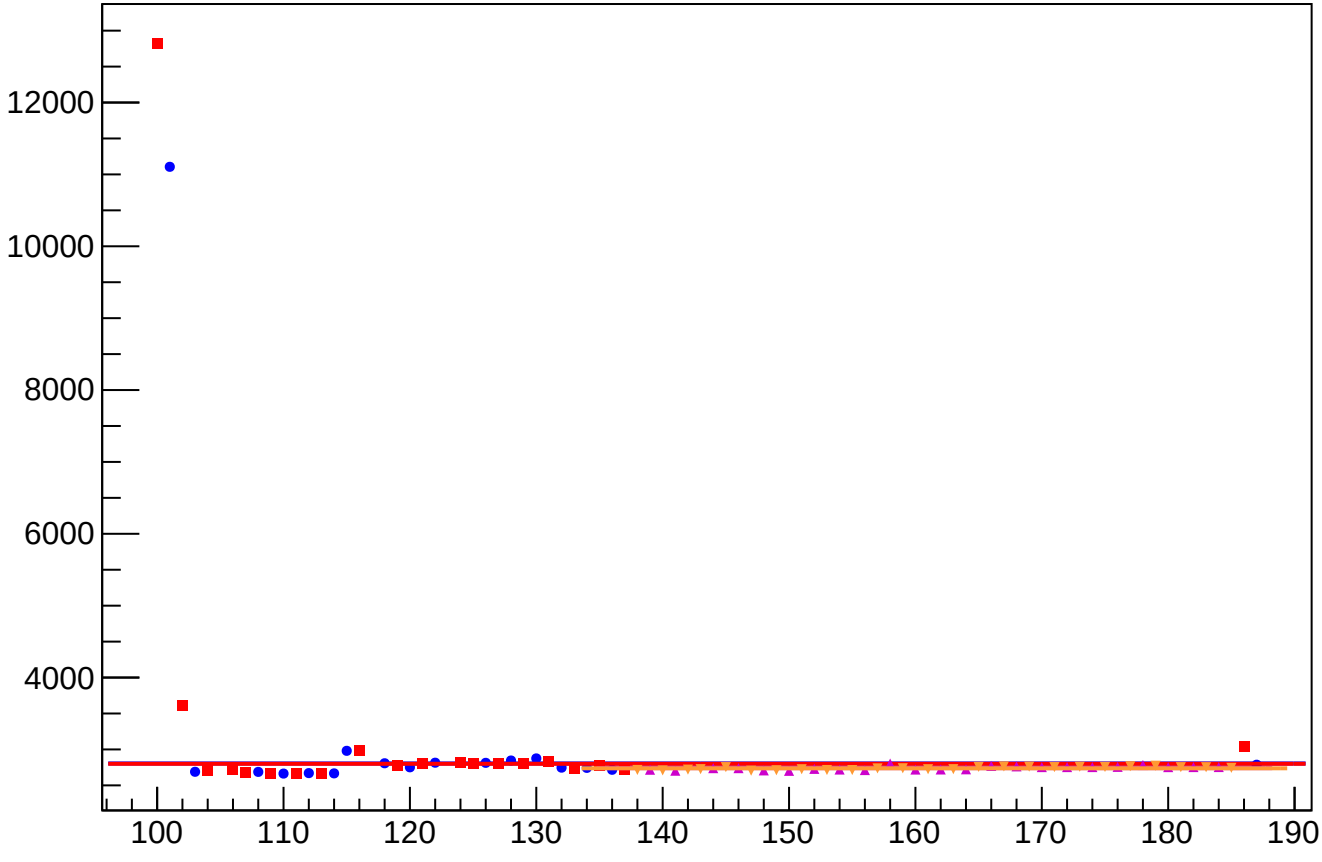
Right: 2271.479+/-730.358 χ^2/NDF: 31.9/36

In: 2252.893+/-547.126 χ^2/NDF:50.9/39

Out: 2589.800+/-529.720 χ^2/NDF:43.8/44

All: 2426.791+/-380.573 χ^2/NDF: 94.9/84

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.954+/-0.747 χ^2/NDF: 746256.2/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2800.147+/-0.715 χ^2/NDF: 152206.7/19

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

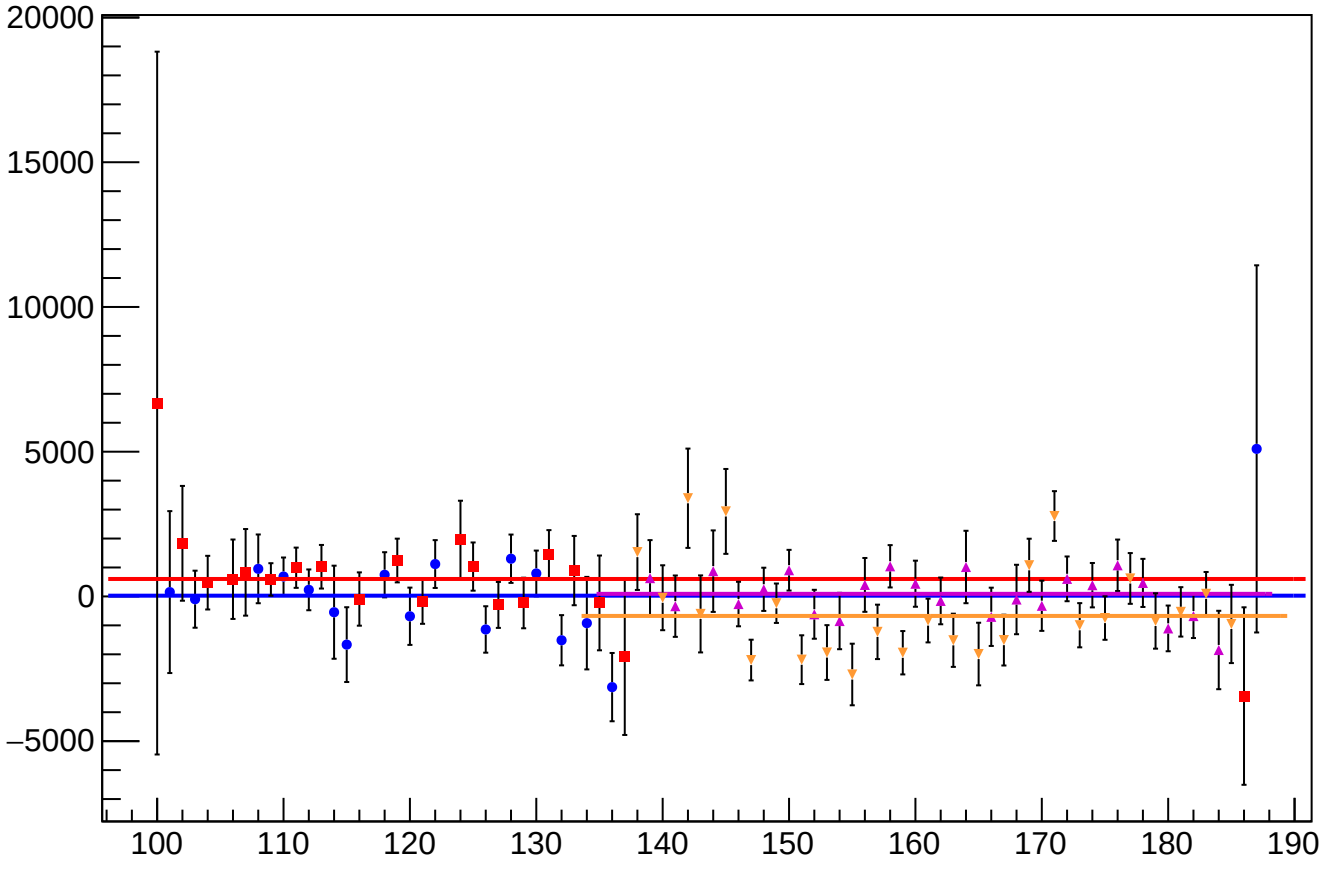
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2802.447+/-0.516 χ^2/NDF: 898484.5/36

In: 2757.343+/-0.387 χ^2/NDF:755178.6/39

Out: 2754.698+/-0.375 χ^2/NDF:160089.3/44

All: 2755.978+/-0.269 χ^2/NDF: 915292.0/84



Right In: 25.854+/-233.325 χ^2/NDF: 23.4/16

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 603.042+/-215.414 χ^2/NDF: 11.0/19

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

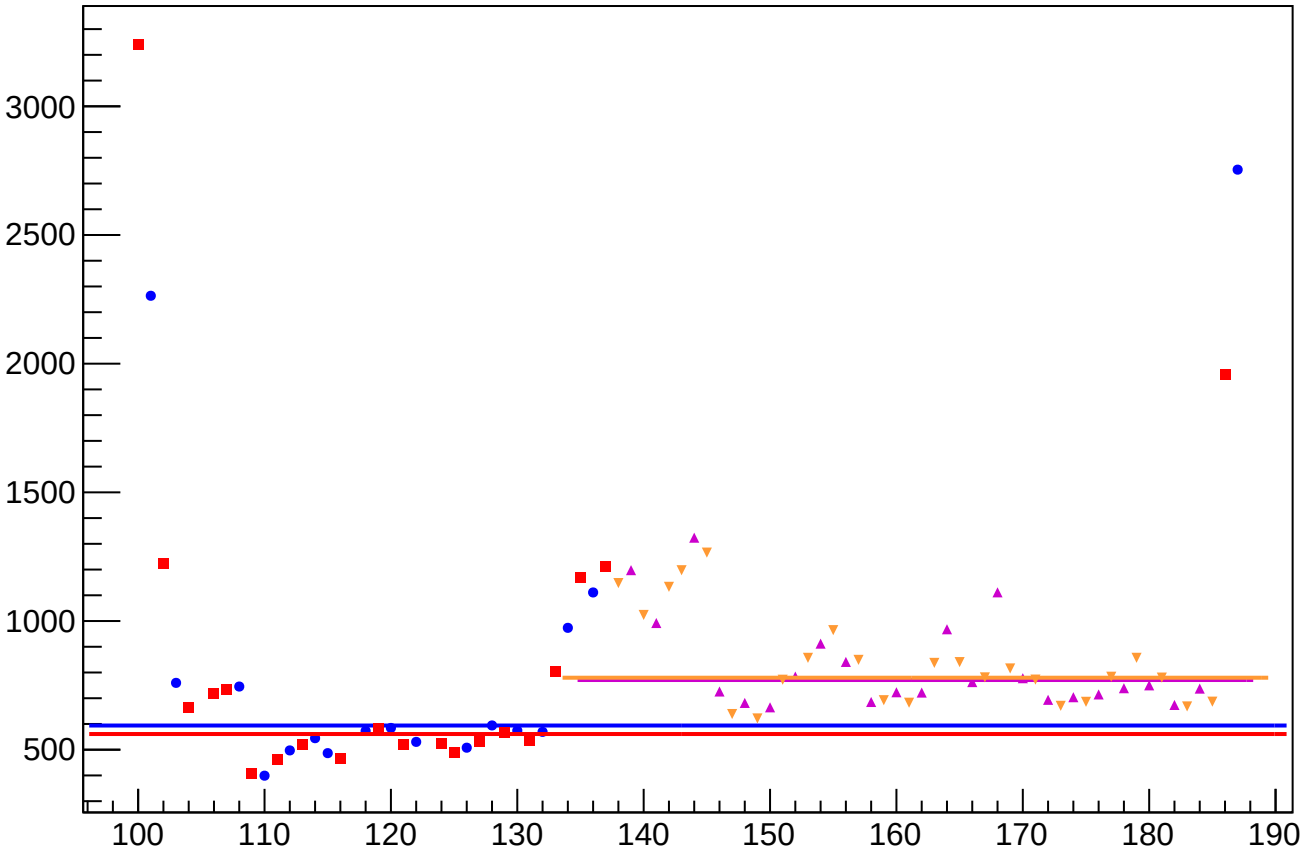
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 337.448+/-158.274 χ^2/NDF: 37.7/36

In: 65.191+/-144.233 χ^2/NDF:38.2/39

Out: -144.546+/-138.679 χ^2/NDF:90.0/44

All: -43.793+/-99.967 χ^2/NDF: 129.3/84



Right In: 593.968+/-0.165 χ^2/NDF: 1799951.6/16

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 560.922+/-0.152 χ^2/NDF: 1535327.1/19

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

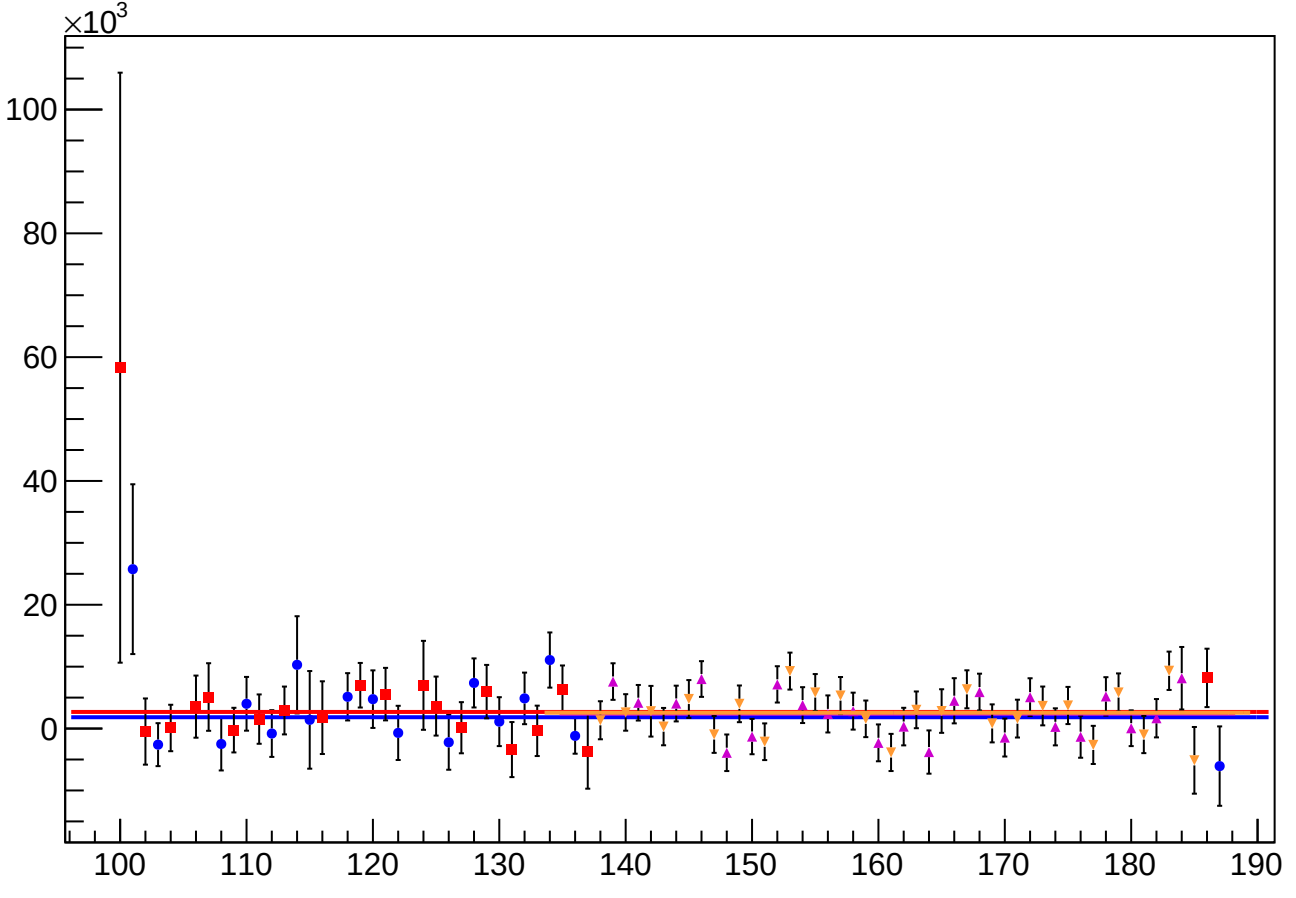
Right: 576.128+/-0.112 χ^2/NDF: 3356938.0/36

In: 703.225+/-0.102 χ^2/NDF:3586049.6/39

Out: 689.035+/-0.098 χ^2/NDF:3987193.5/44

All: 695.852+/-0.071 χ^2/NDF: 7583301.0/84

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1828.783+/-1055.791 χ^2/NDF: 19.3/16

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2683.959+/-1013.625 χ^2/NDF: 12.2/19

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

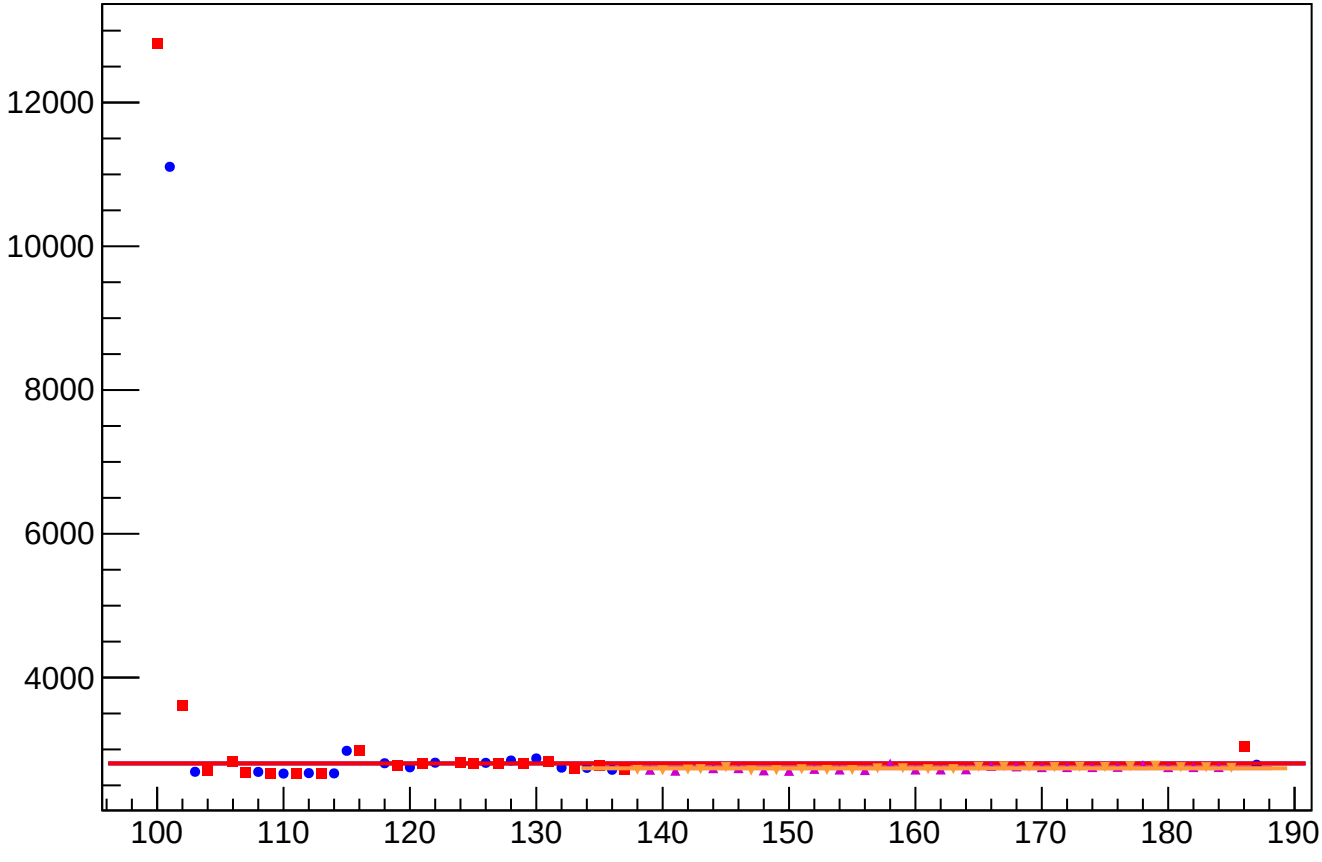
Right: 2273.789+/-731.193 χ^2/NDF: 31.9/36

In: 2252.791+/-547.126 χ^2/NDF:50.9/39

Out: 2591.561+/-530.038 χ^2/NDF:43.8/44

All: 2427.549+/-380.691 χ^2/NDF: 94.9/84

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.954+/-0.747 χ^2/NDF: 746255.3/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2805.287+/-0.717 χ^2/NDF: 151728.5/19

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

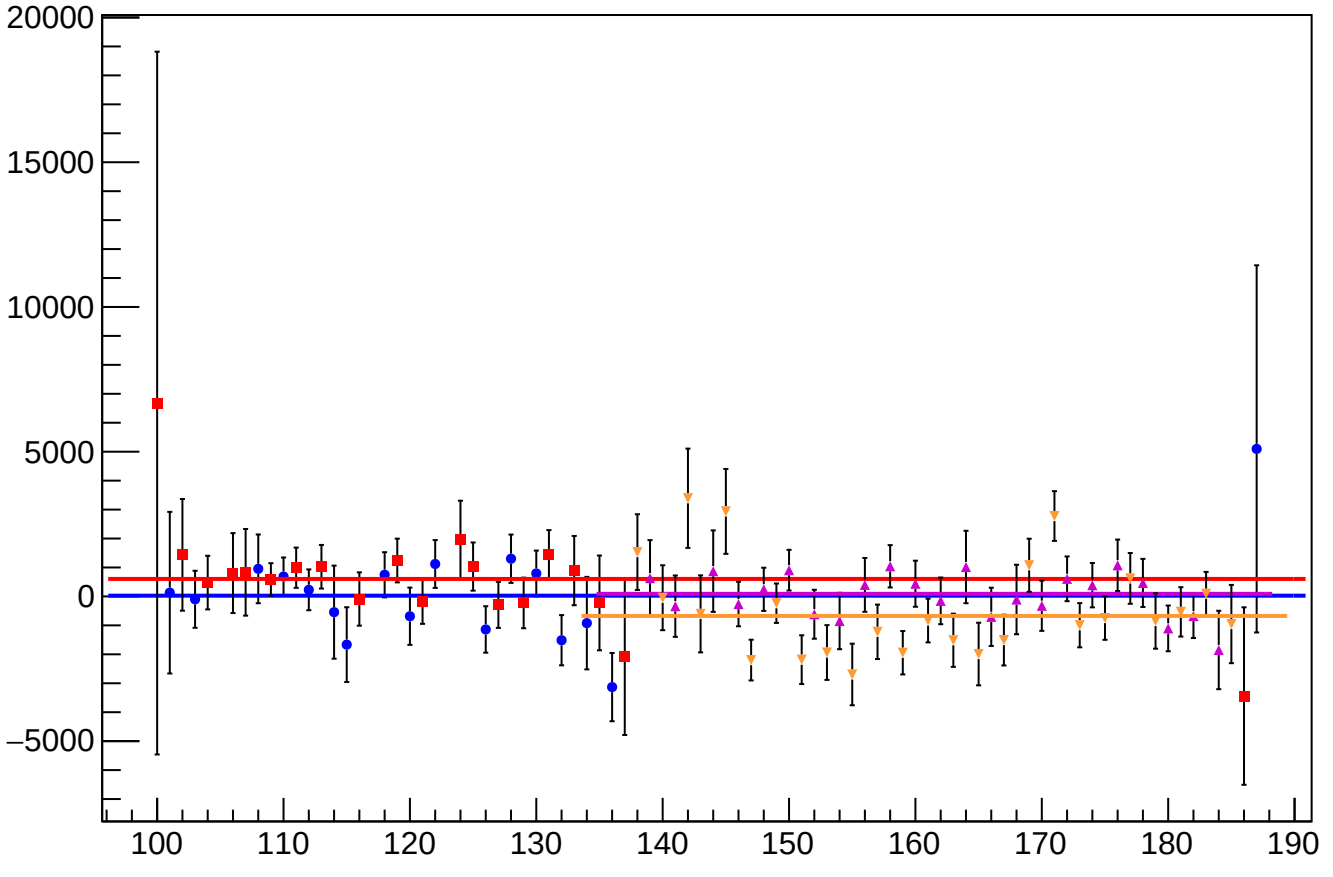
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2805.127+/-0.517 χ^2/NDF: 897983.9/36

In: 2757.343+/-0.387 χ^2/NDF:755177.7/39

Out: 2756.049+/-0.375 χ^2/NDF:160541.4/44

All: 2756.676+/-0.269 χ^2/NDF: 915724.8/84



Right In: 25.812+/-233.313 χ^2/NDF: 23.4/16

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 604.152+/-215.368 χ^2/NDF: 10.8/19

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

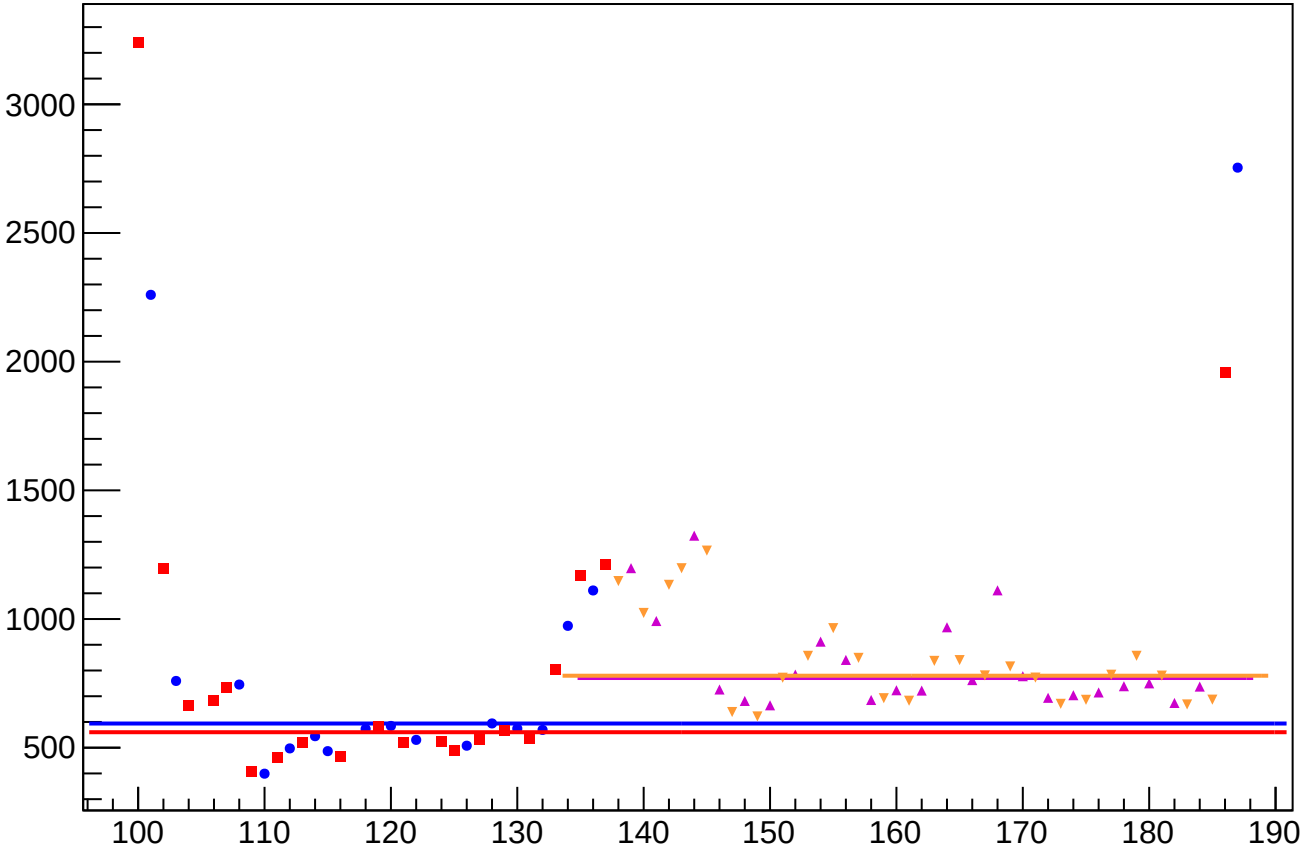
Right: 338.076+/-158.253 χ^2/NDF: 37.6/36

In: 65.250+/-144.231 χ^2/NDF:38.2/39

Out: -143.905+/-138.667 χ^2/NDF:89.8/44

All: -43.439+/-99.961 χ^2/NDF: 129.1/84

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 593.966+/-0.165 χ^2/NDF: 1798924.7/16

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 560.174+/-0.152 χ^2/NDF: 1520501.4/19

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

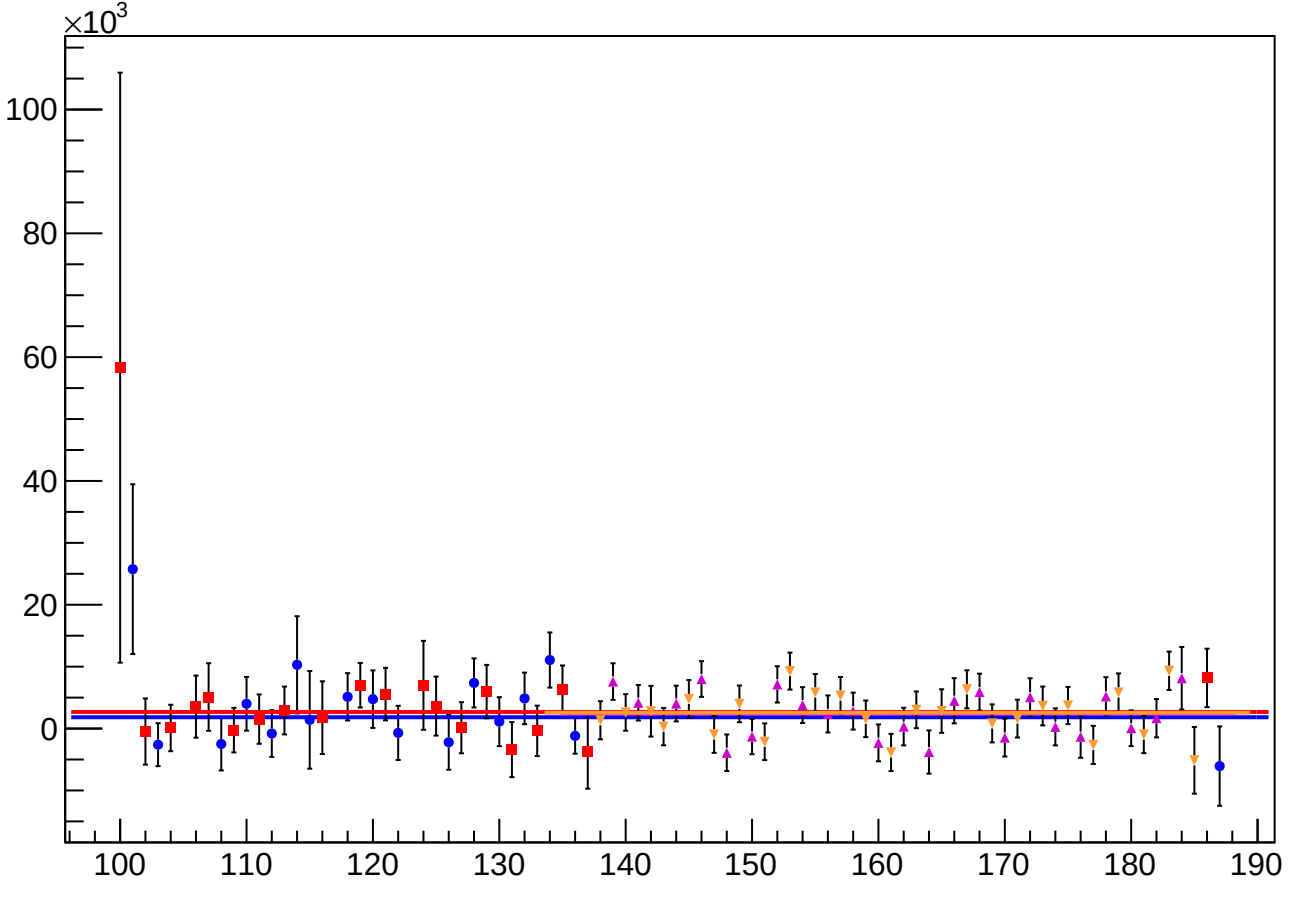
Right: 575.721+/-0.112 χ^2/NDF: 3342080.0/36

In: 703.222+/-0.102 χ^2/NDF:3585047.9/39

Out: 688.702+/-0.098 χ^2/NDF:3980953.9/44

All: 695.676+/-0.071 χ^2/NDF: 7576535.5/84

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1828.783+/-1055.791 χ^2/NDF: 19.3/16

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2683.959+/-1013.625 χ^2/NDF: 12.2/19

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

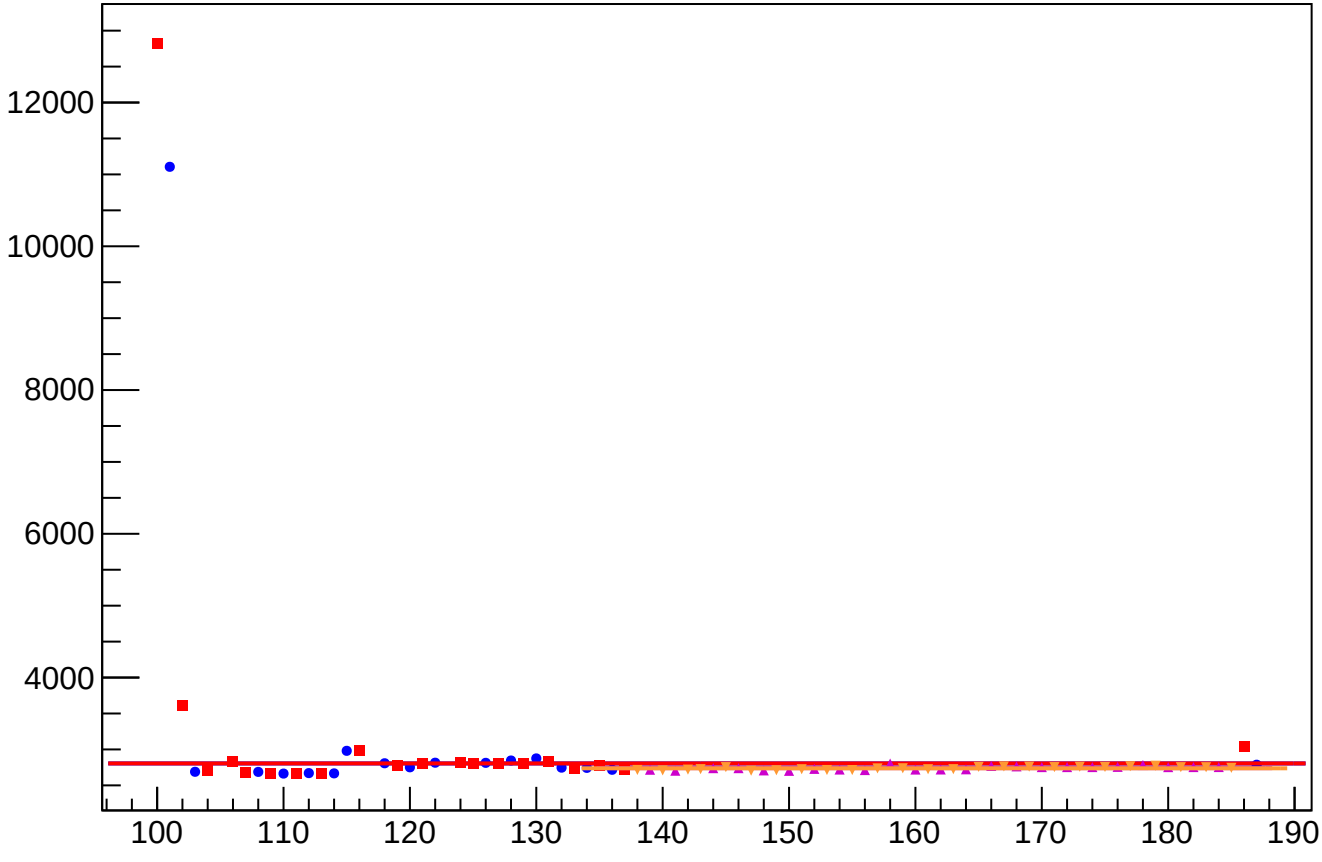
Right: 2273.789+/-731.193 χ^2/NDF: 31.9/36

In: 2252.791+/-547.126 χ^2/NDF:50.9/39

Out: 2591.561+/-530.038 χ^2/NDF:43.8/44

All: 2427.549+/-380.691 χ^2/NDF: 94.9/84

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.954+/-0.747 χ^2/NDF: 746255.3/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2805.287+/-0.717 χ^2/NDF: 151728.5/19

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

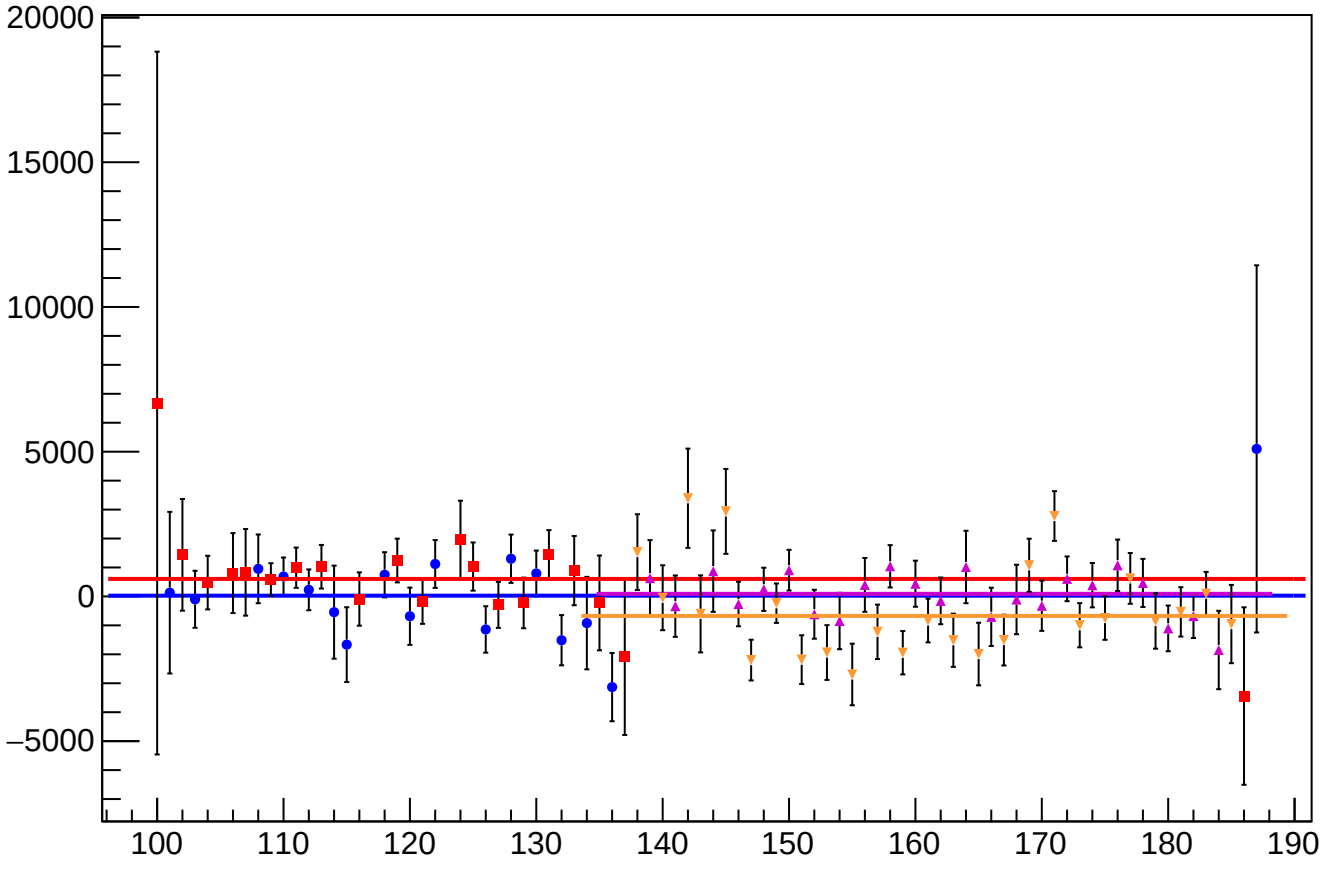
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2805.127+/-0.517 χ^2/NDF: 897983.9/36

In: 2757.343+/-0.387 χ^2/NDF:755177.7/39

Out: 2756.049+/-0.375 χ^2/NDF:160541.4/44

All: 2756.676+/-0.269 χ^2/NDF: 915724.8/84



Right In: 25.812+/-233.313 χ^2/NDF: 23.4/16

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 604.152+/-215.368 χ^2/NDF: 10.8/19

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

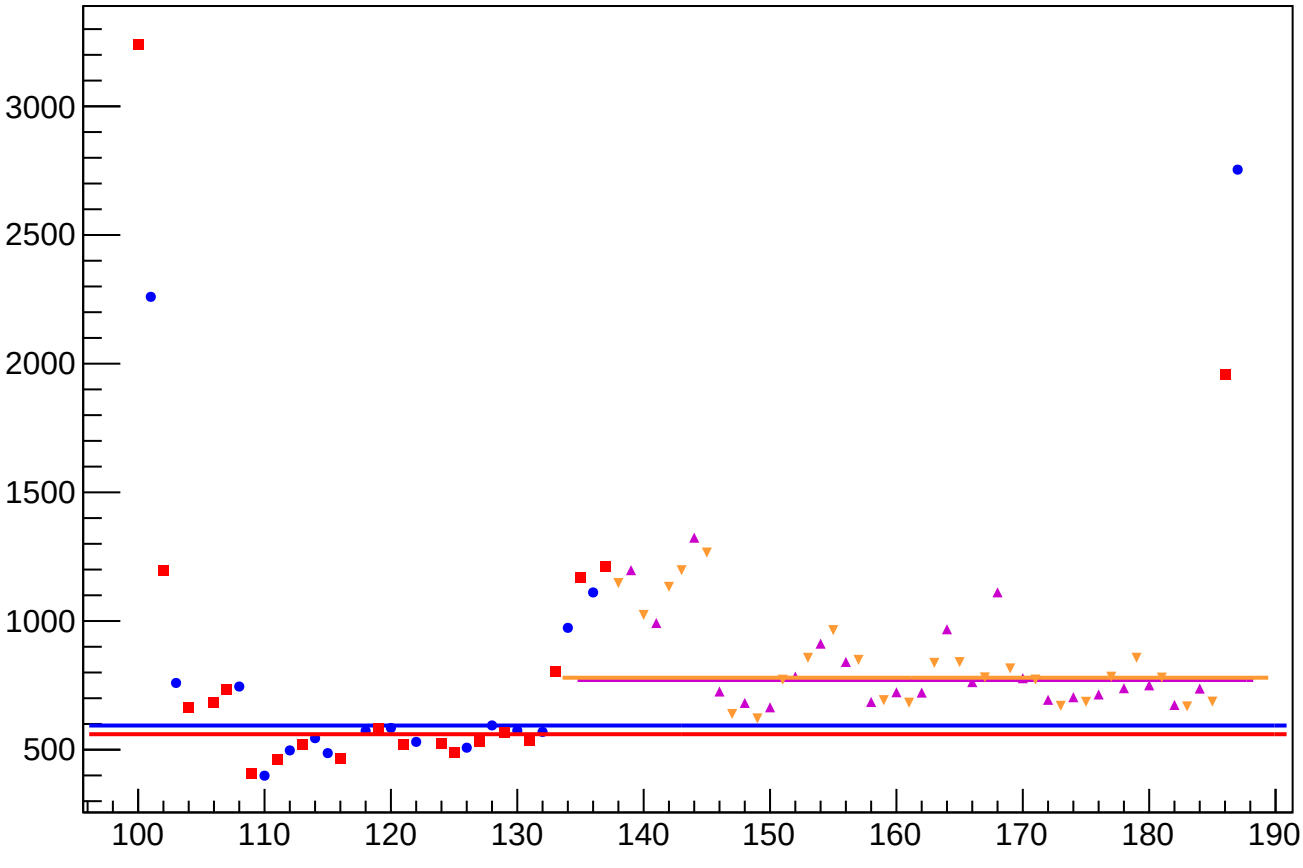
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 338.076+/-158.253 χ^2/NDF: 37.6/36

In: 65.250+/-144.231 χ^2/NDF:38.2/39

Out: -143.905+/-138.667 χ^2/NDF:89.8/44

All: -43.439+/-99.961 χ^2/NDF: 129.1/84



Right In: 593.966+/-0.165 χ^2/NDF: 1798924.7/16

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 560.174+/-0.152 χ^2/NDF: 1520501.4/19

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

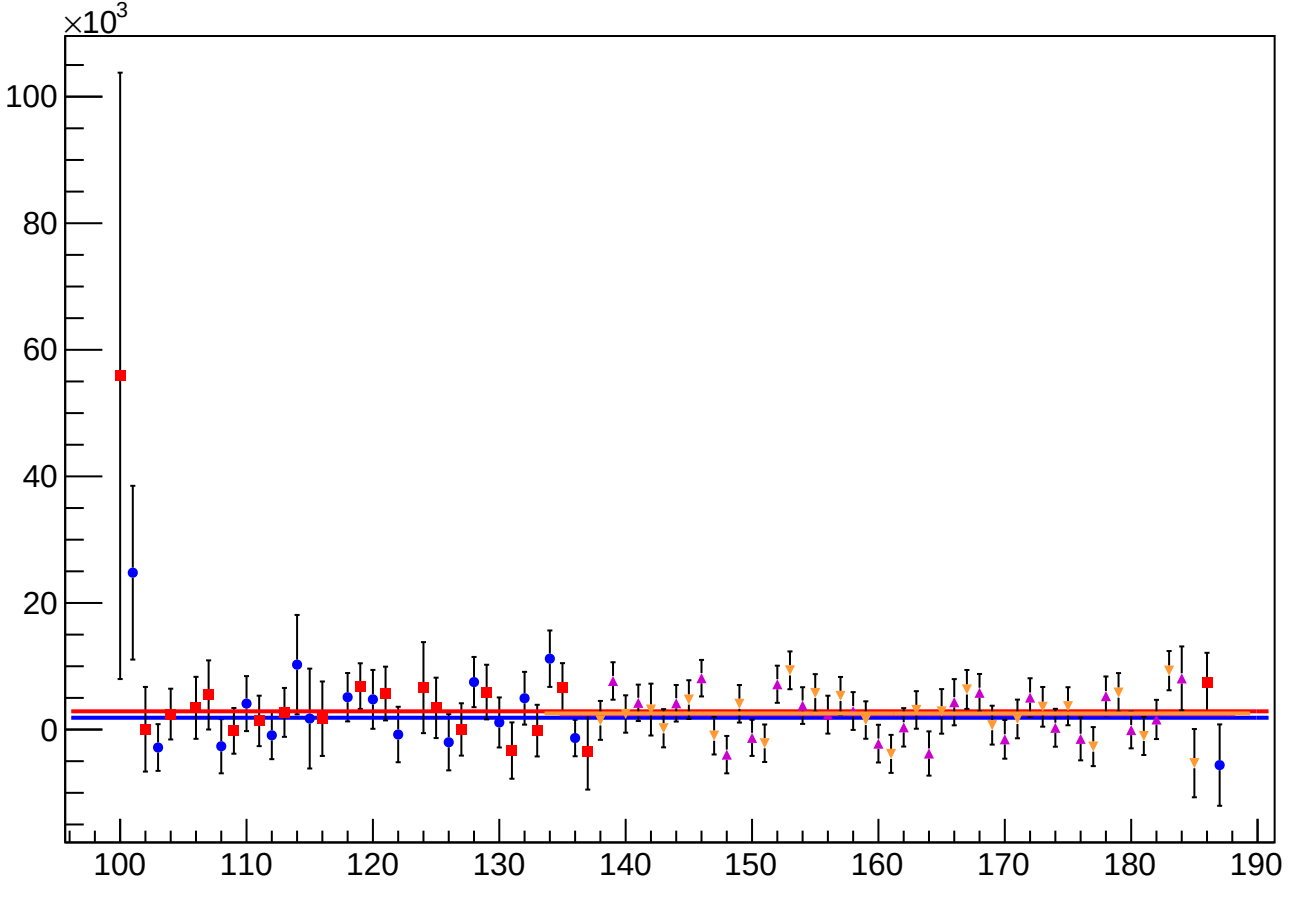
Right: 575.721+/-0.112 χ^2/NDF: 3342080.0/36

In: 703.222+/-0.102 χ^2/NDF:3585047.9/39

Out: 688.702+/-0.098 χ^2/NDF:3980953.9/44

All: 695.676+/-0.071 χ^2/NDF: 7576535.5/84

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1864.770+/-1062.379 χ^2/NDF: 19.3/16

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2879.296+/-1024.957 χ^2/NDF: 10.9/19

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

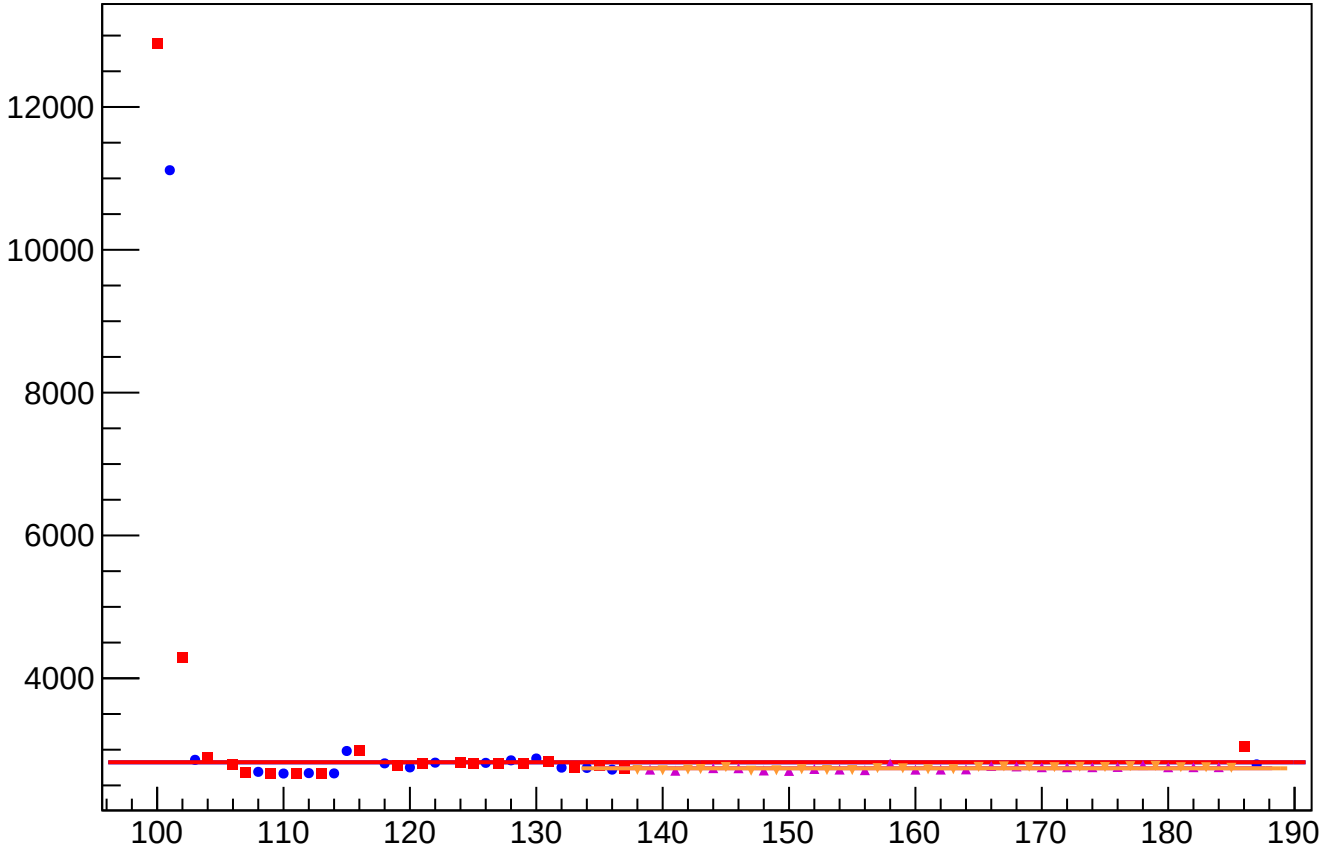
Right: 2390.216+/-737.629 χ^2/NDF: 30.6/36

In: 2262.484+/-548.262 χ^2/NDF:51.3/39

Out: 2635.058+/-531.893 χ^2/NDF:42.9/44

All: 2454.416+/-381.761 χ^2/NDF: 94.4/84

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2822.662+/-0.751 χ^2/NDF: 743955.1/16

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2824.653+/-0.725 χ^2/NDF: 205051.6/19

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

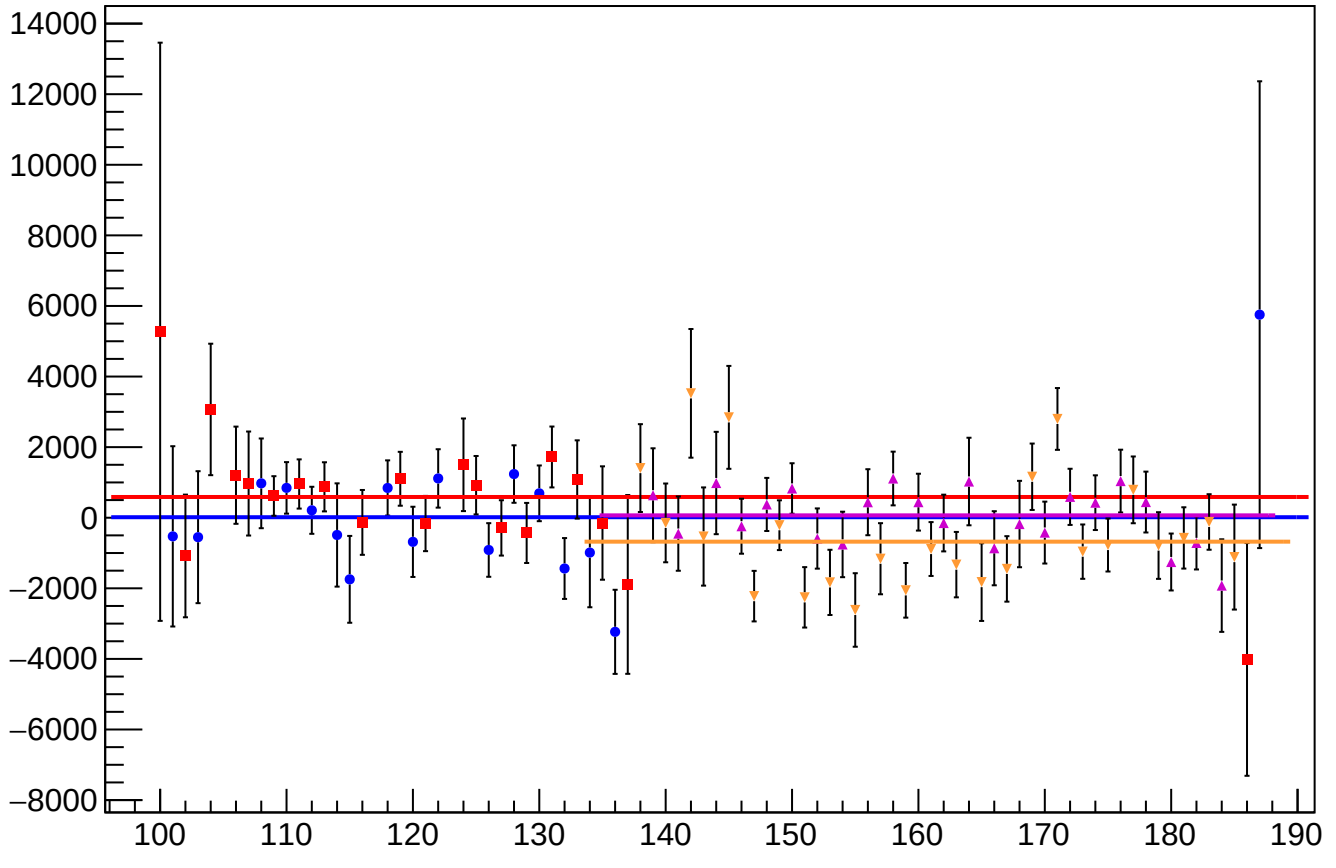
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2823.693+/-0.522 χ^2/NDF: 949010.3/36

In: 2763.036+/-0.388 χ^2/NDF:755911.8/39

Out: 2762.289+/-0.376 χ^2/NDF:217507.2/44

All: 2762.651+/-0.270 χ^2/NDF: 973420.9/84



Right In: 14.447+/-237.302 χ^2/NDF: 23.6/16

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 587.693+/-216.624 χ^2/NDF: 14.1/19

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

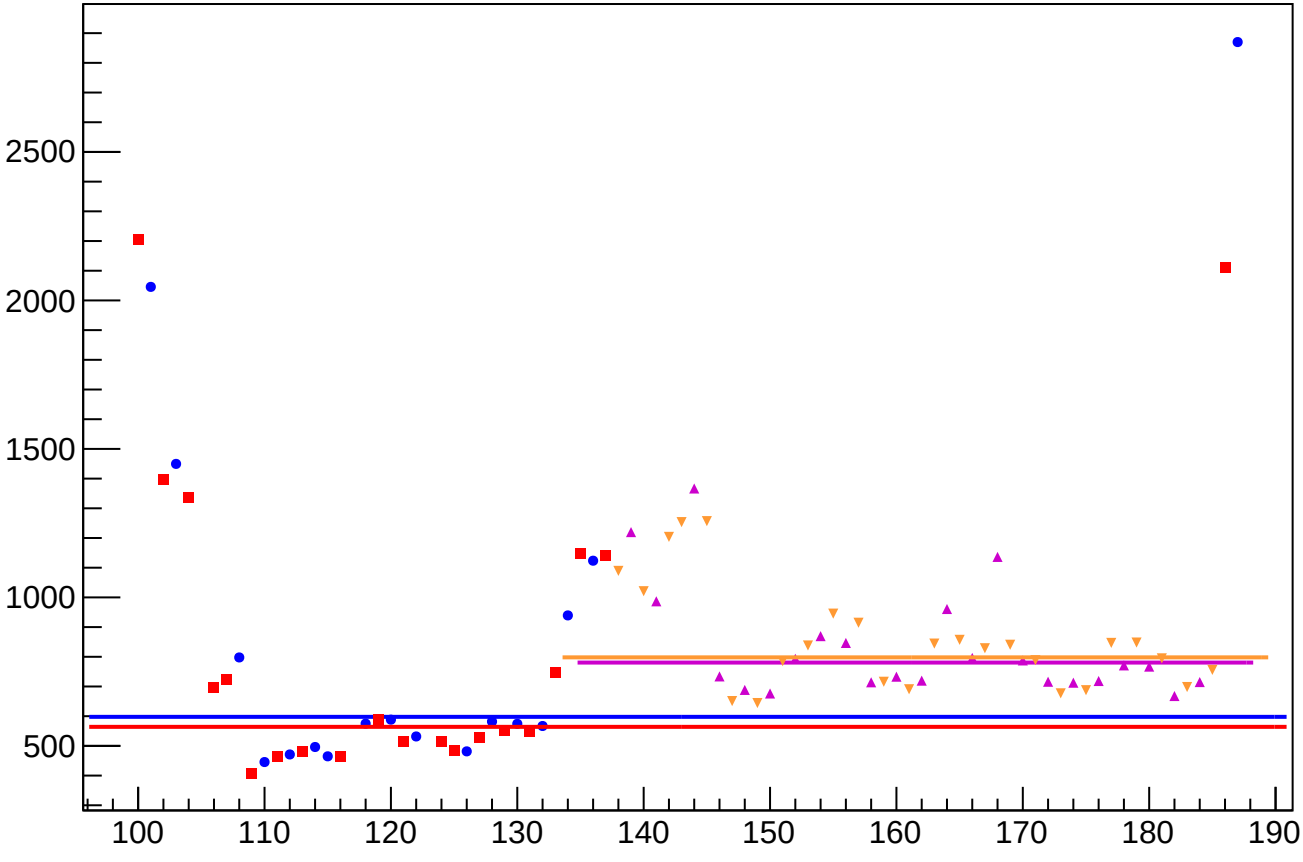
Right: 327.129+/-159.988 χ^2/NDF: 40.9/36

In: 47.173+/-146.115 χ^2/NDF:39.4/39

Out: -144.318+/-140.682 χ^2/NDF:90.1/44

All: -52.199+/-101.343 χ^2/NDF: 130.4/84

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.787+/-0.168 χ^2/NDF: 2089091.2/16

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 564.096+/-0.153 χ^2/NDF: 2072456.4/19

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

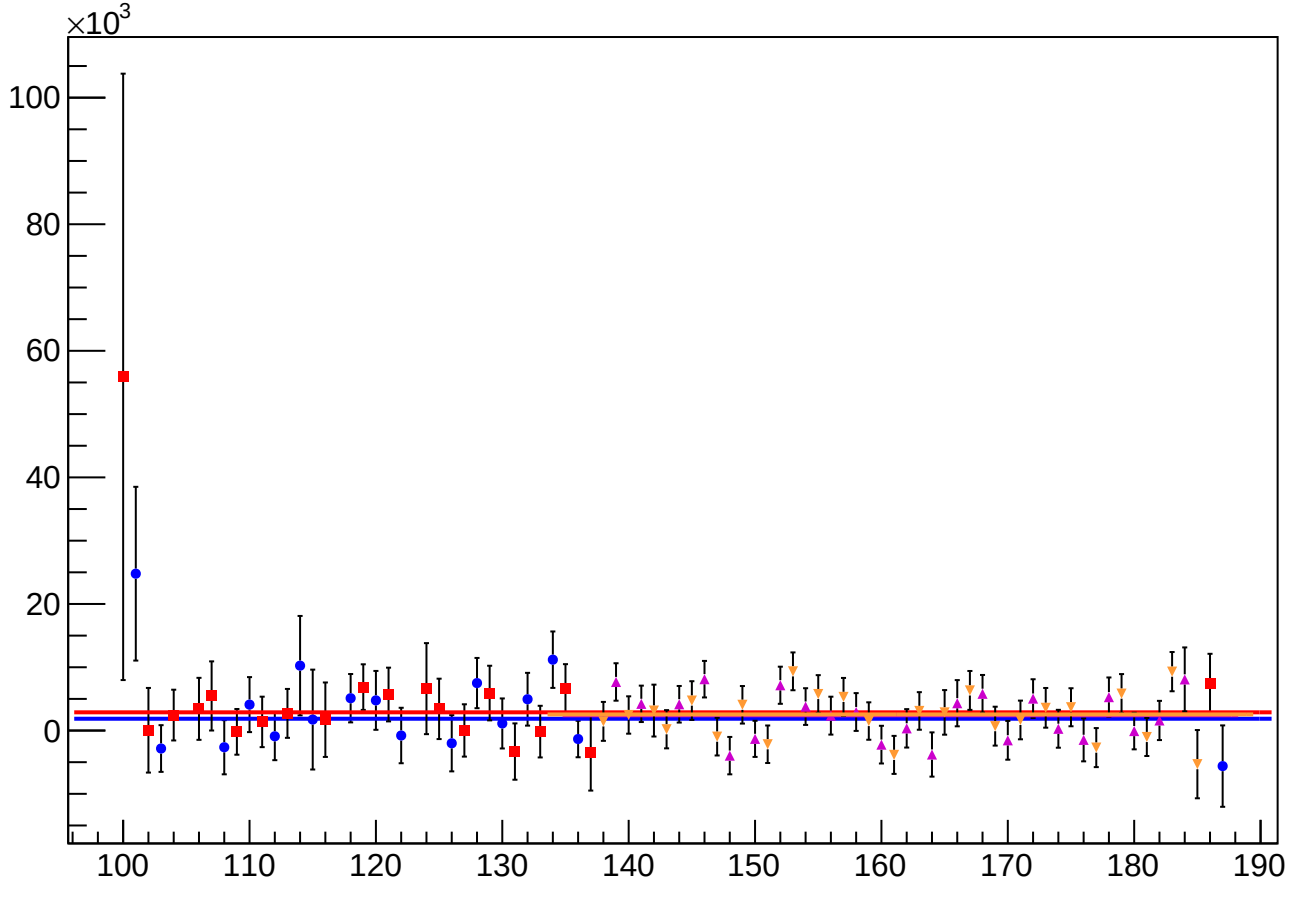
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 579.410+/-0.113 χ^2/NDF: 4183537.9/36

In: 711.244+/-0.103 χ^2/NDF:3890271.9/39

Out: 699.402+/-0.099 χ^2/NDF:4590213.1/44

All: 705.099+/-0.072 χ^2/NDF: 8487302.0/84



Right In: 1864.769+/-1062.379 χ^2/NDF: 19.3/16

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2879.293+/-1024.957 χ^2/NDF: 10.9/19

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

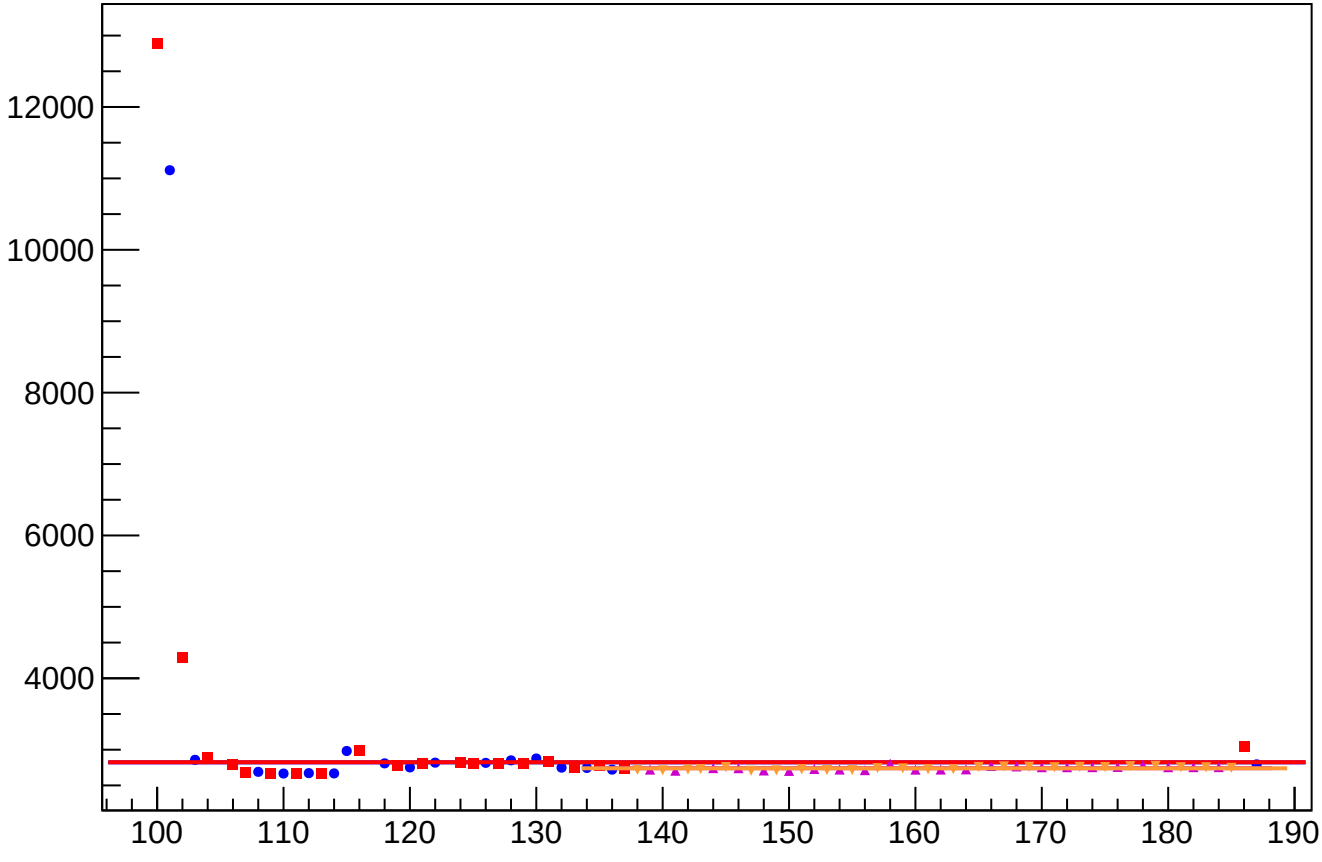
Right: 2390.214+/-737.629 χ^2/NDF: 30.6/36

In: 2262.484+/-548.262 χ^2/NDF:51.3/39

Out: 2635.058+/-531.893 χ^2/NDF:42.9/44

All: 2454.416+/-381.761 χ^2/NDF: 94.4/84

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2822.662+/-0.751 χ^2/NDF: 743955.1/16

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2824.653+/-0.725 χ^2/NDF: 205051.4/19

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

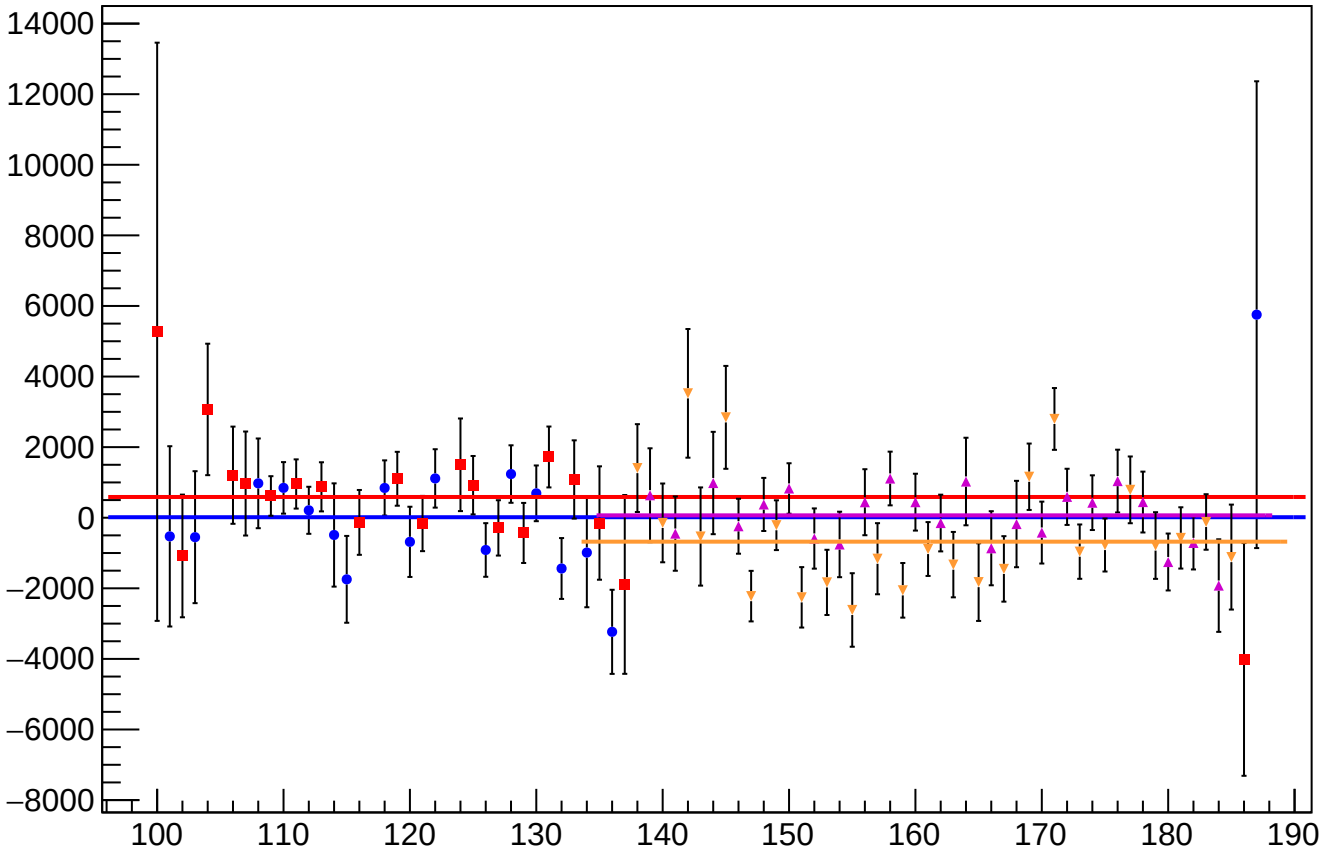
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2823.693+/-0.522 χ^2/NDF: 949010.1/36

In: 2763.035+/-0.388 χ^2/NDF:755911.8/39

Out: 2762.289+/-0.376 χ^2/NDF:217507.0/44

All: 2762.651+/-0.270 χ^2/NDF: 973420.7/84



Right In: 14.448+/-237.302 χ^2/NDF: 23.6/16

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 587.693+/-216.624 χ^2/NDF: 14.1/19

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

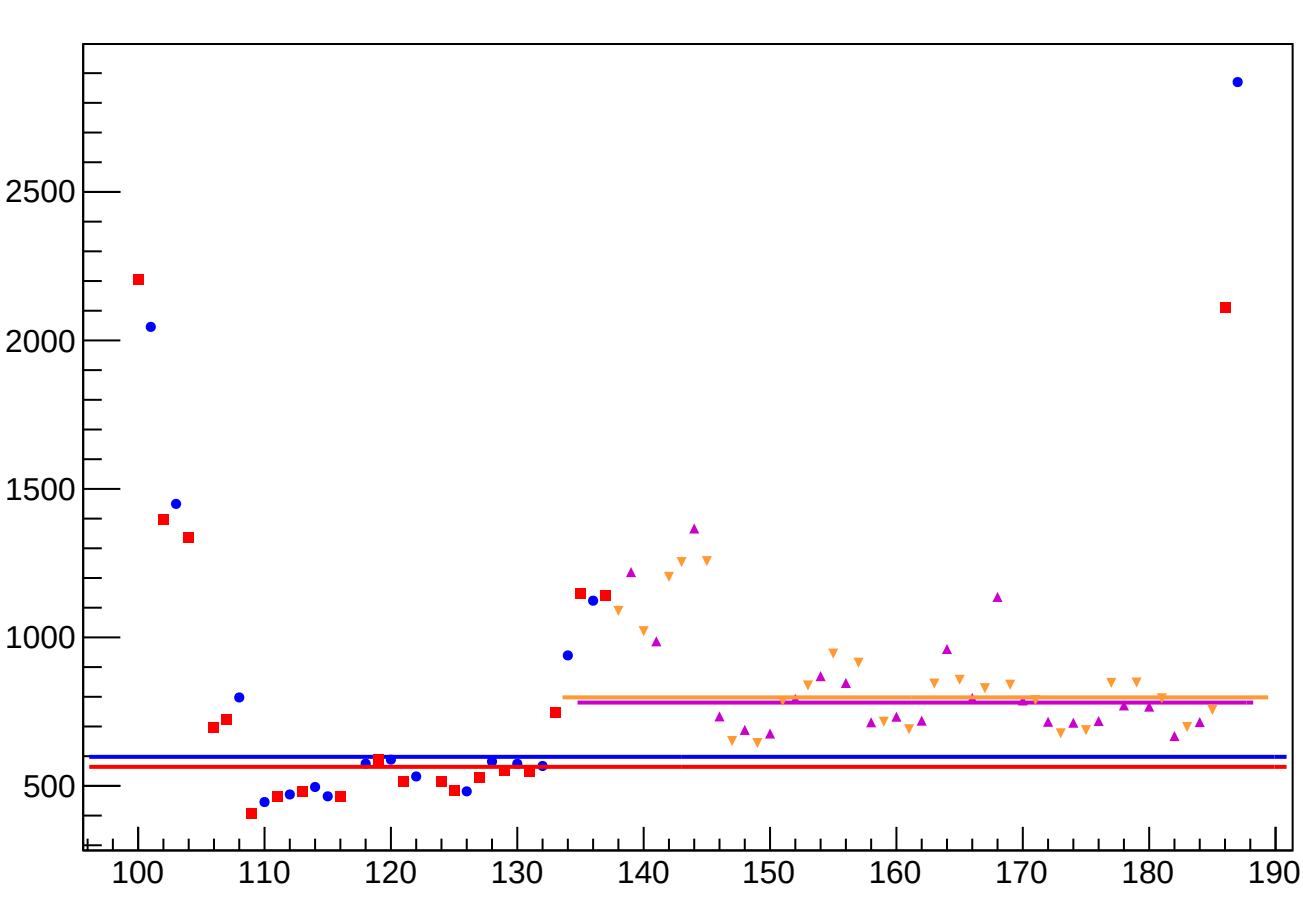
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 327.130+/-159.988 χ^2/NDF: 40.9/36

In: 47.173+/-146.115 χ^2/NDF:39.4/39

Out: -144.318+/-140.682 χ^2/NDF:90.1/44

All: -52.199+/-101.343 χ^2/NDF: 130.4/84



Right In: 597.788+/-0.168 χ^2/NDF: 2089085.8/16

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 564.096+/-0.153 χ^2/NDF: 2072454.4/19

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

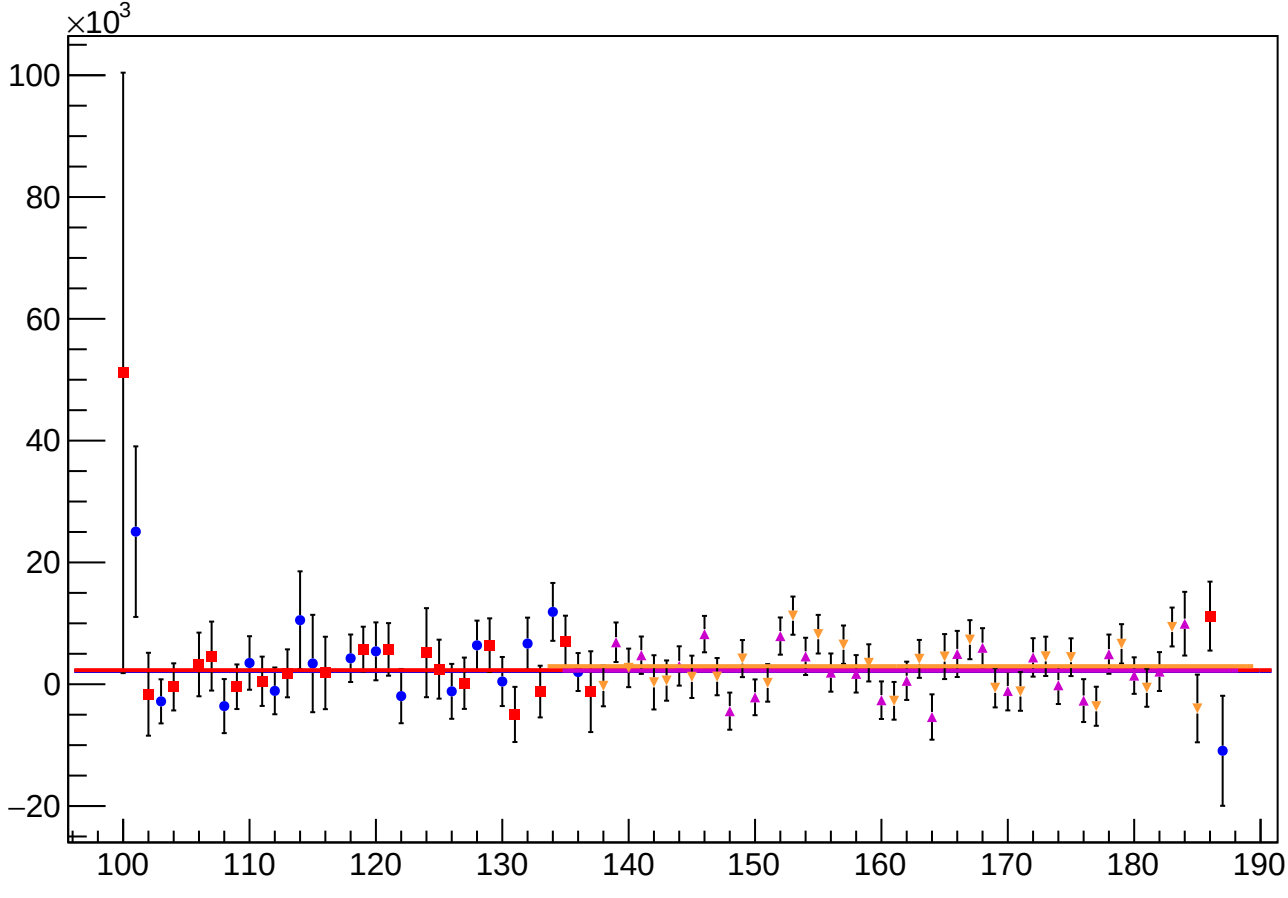
Right: 579.410+/-0.113 χ^2/NDF: 4183530.9/36

In: 711.244+/-0.103 χ^2/NDF:3890264.6/39

Out: 699.403+/-0.099 χ^2/NDF:4590211.9/44

All: 705.099+/-0.072 χ^2/NDF: 8487293.6/84

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2170.763+/-1098.001 χ^2/NDF: 19.0/16

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2307.305+/-1056.425 χ^2/NDF: 12.8/19

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

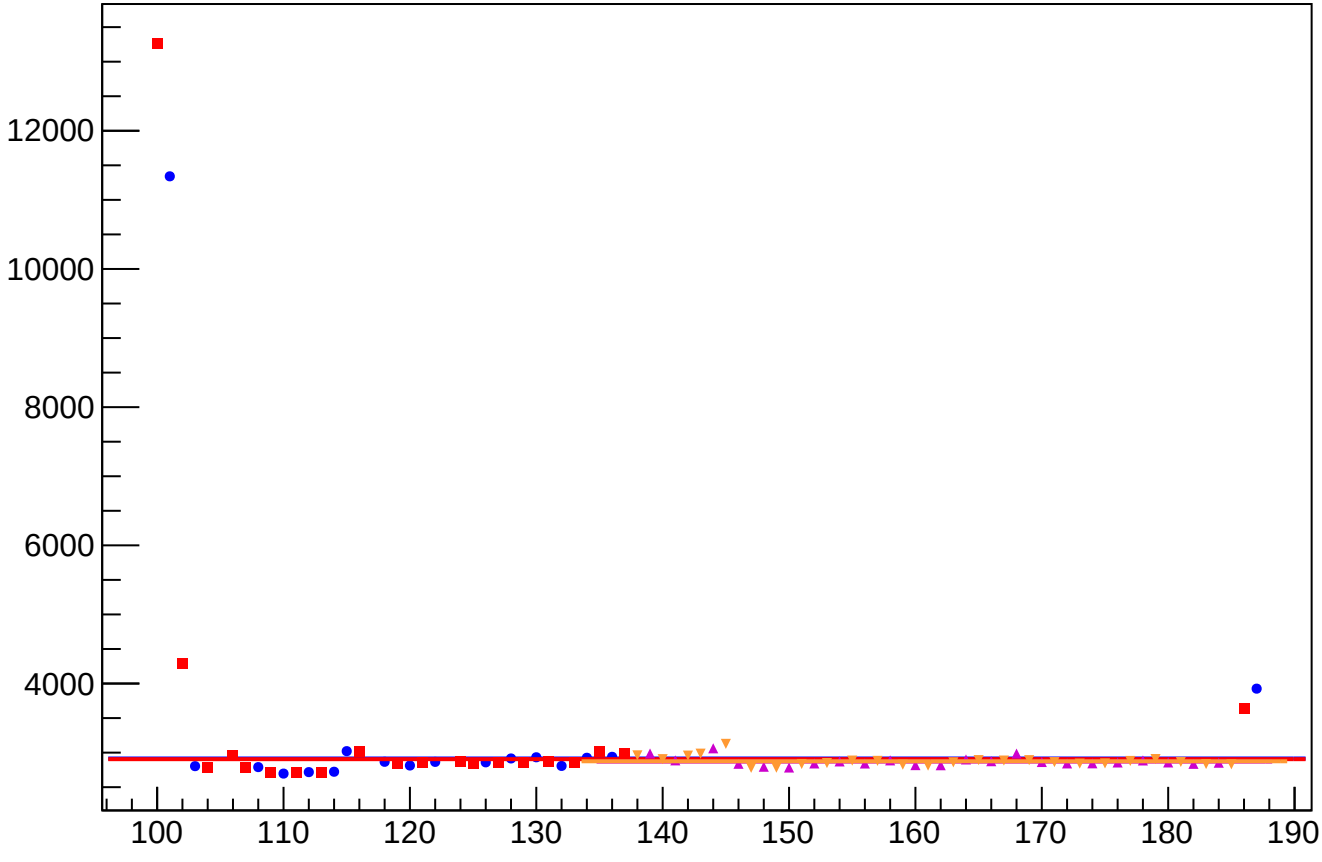
Right: 2241.668+/-761.279 χ^2/NDF: 31.8/36

In: 2219.377+/-572.134 χ^2/NDF:52.8/39

Out: 2786.201+/-555.629 χ^2/NDF:48.8/44

All: 2511.083+/-398.596 χ^2/NDF: 102.1/84

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2914.987+/-0.776 χ^2/NDF: 767242.6/16

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 2905.442+/-0.747 χ^2/NDF: 228130.4/19

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

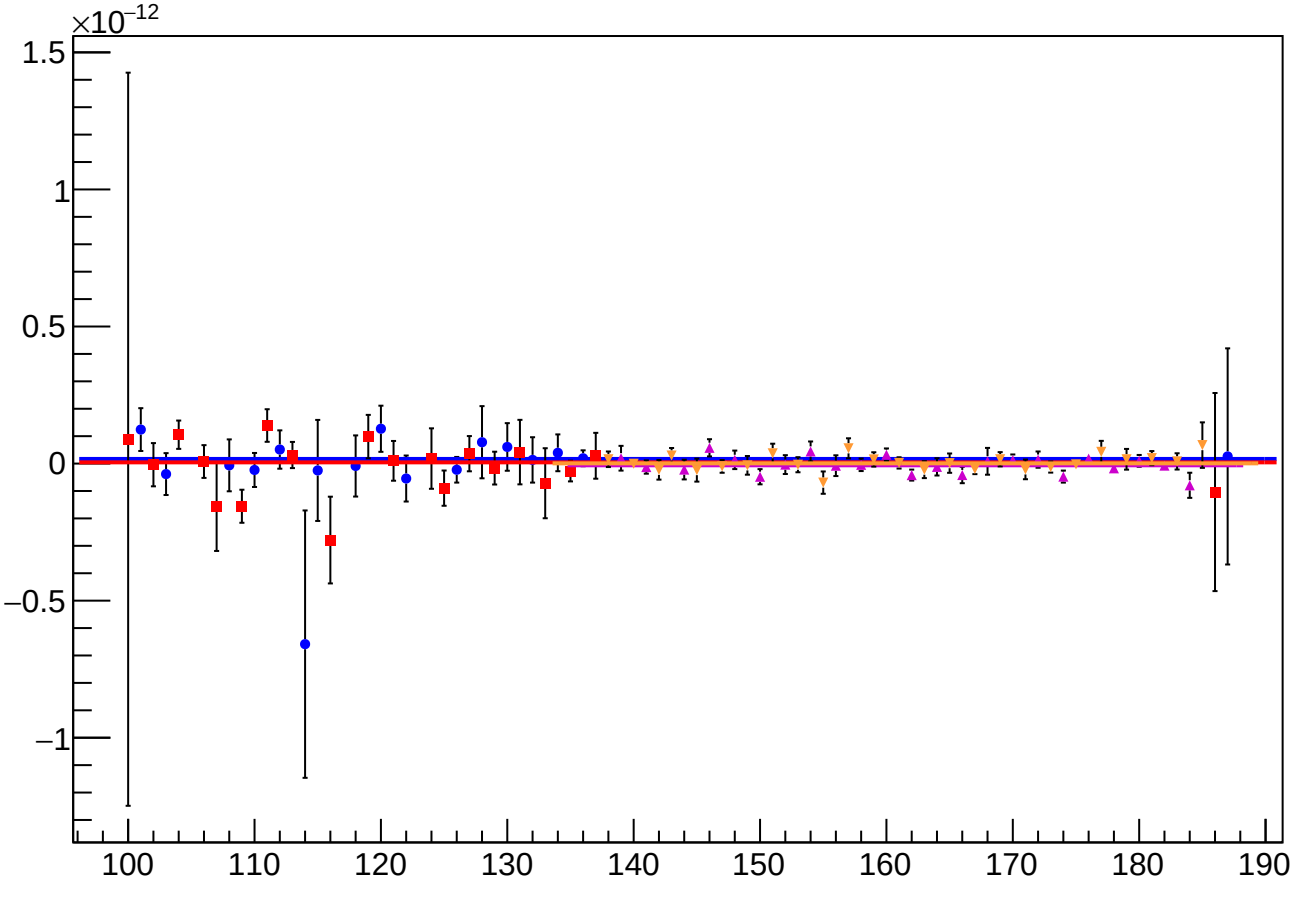
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 2910.030+/-0.538 χ^2/NDF: 995451.4/36

In: 2882.326+/-0.405 χ^2/NDF:787359.3/39

Out: 2883.373+/-0.393 χ^2/NDF:251125.8/44

All: 2882.865+/-0.282 χ^2/NDF: 1038488.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/19

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

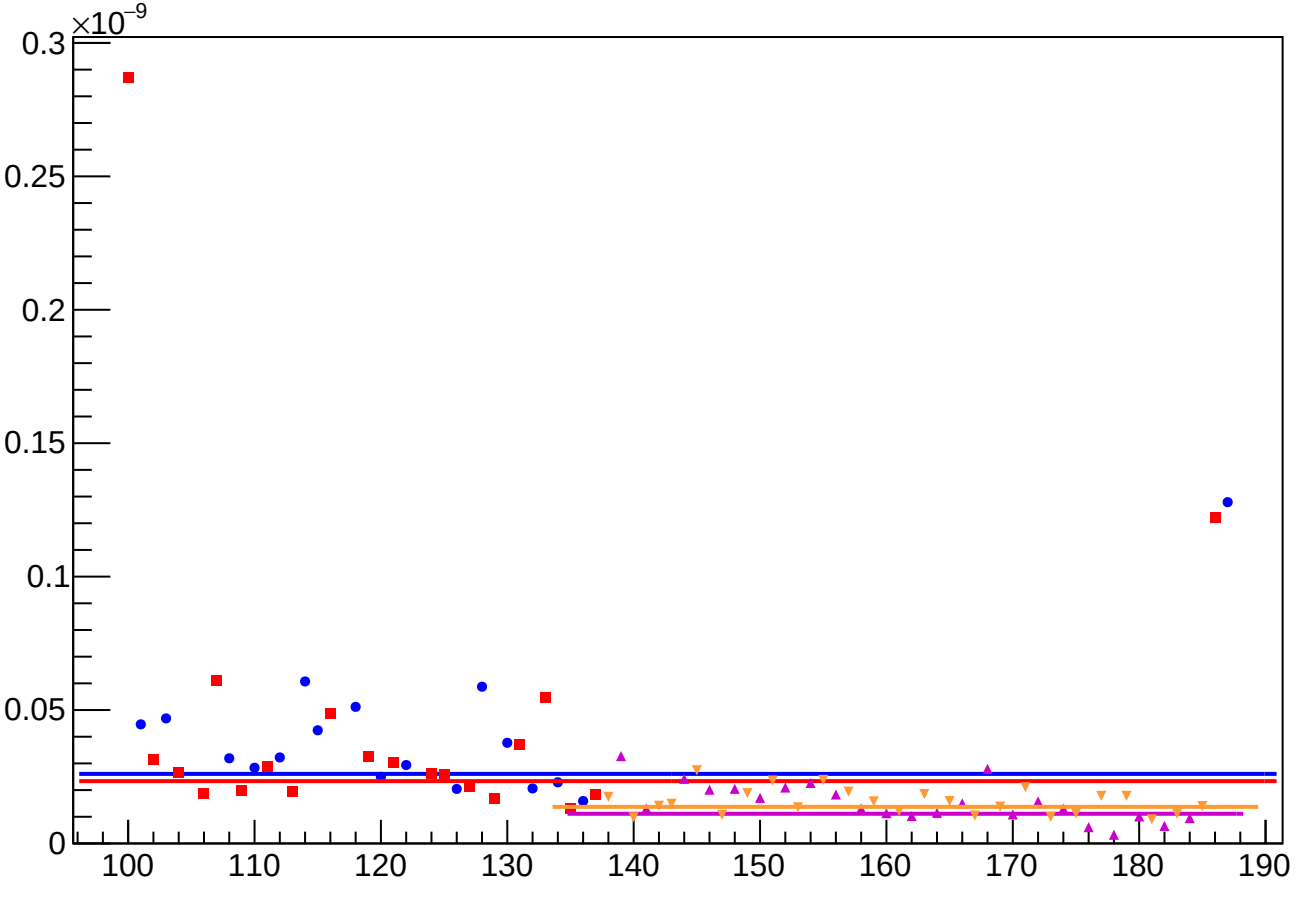
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 35.0/36

In: -0.000+/-0.000 χ^2/NDF:38.6/39

Out: 0.000+/-0.000 χ^2/NDF:40.3/44

All: -0.000+/-0.000 χ^2/NDF: 79.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 999173.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 838497.6/19

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

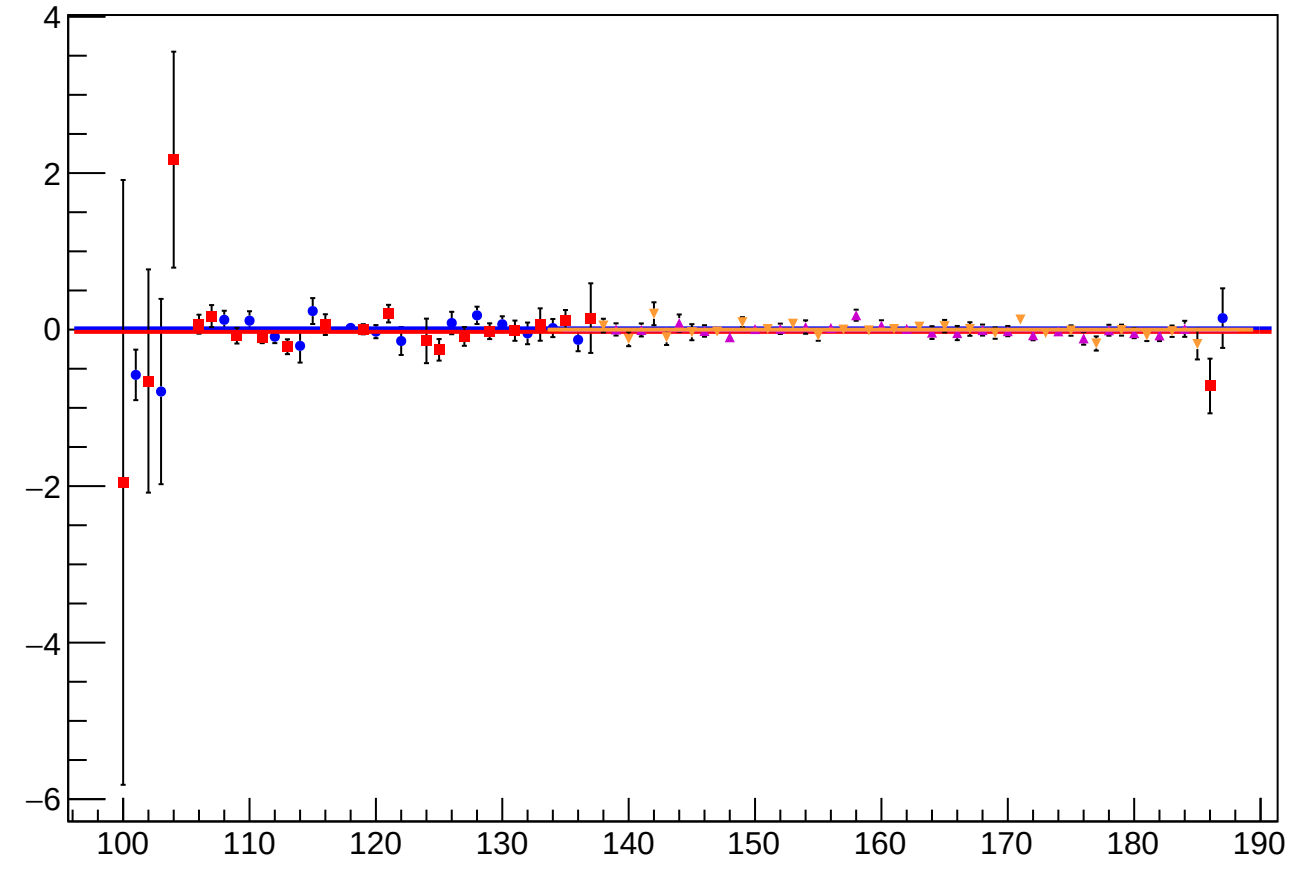
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 1865396.5/36

In: 0.000+/-0.000 χ^2/NDF:5610083.6/39

Out: 0.000+/-0.000 χ^2/NDF:2724869.9/44

All: 0.000+/-0.000 χ^2/NDF: 8570495.1/84



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.029+/-0.028 χ^2/NDF: 24.7/19

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

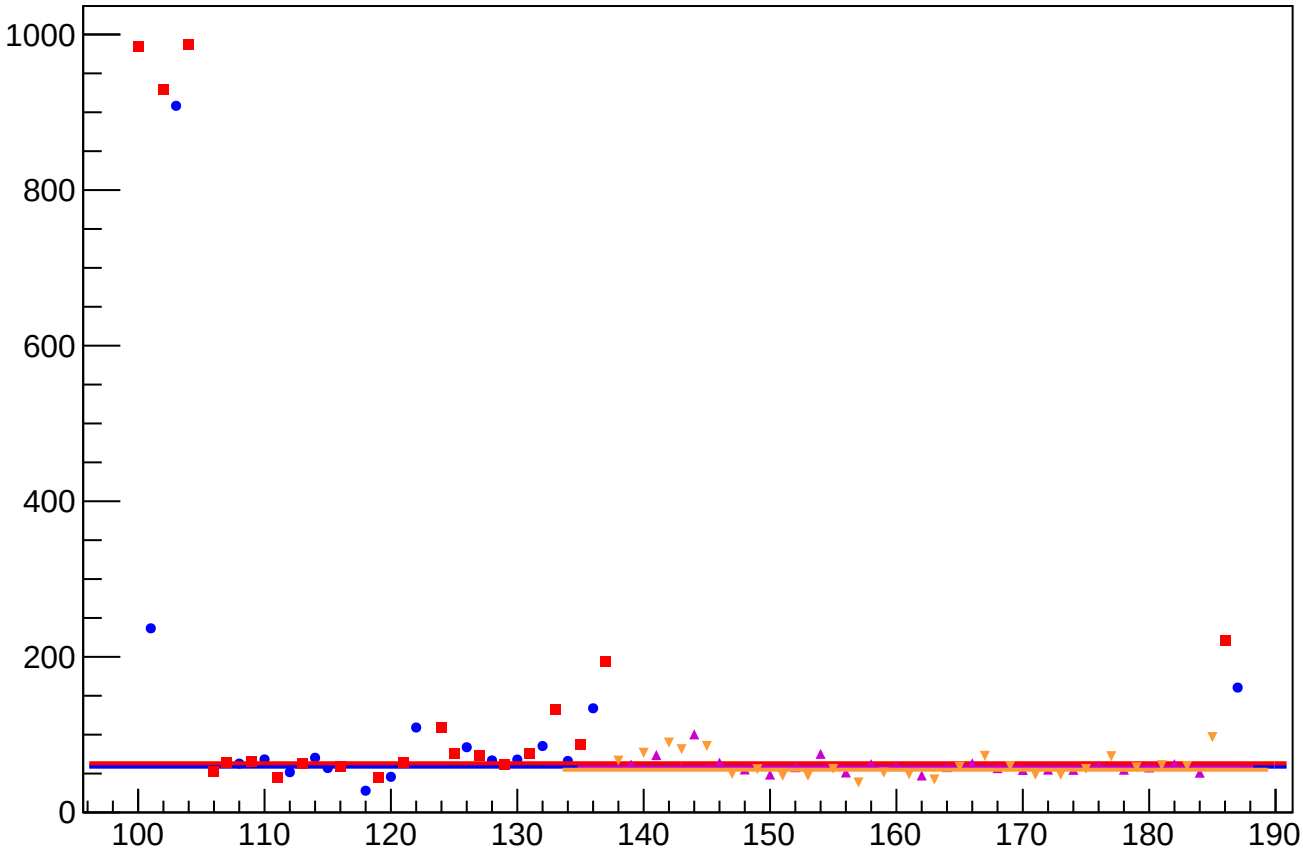
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.006+/-0.020 χ^2/NDF: 41.2/36

In: -0.003+/-0.013 χ^2/NDF:31.3/39

Out: -0.006+/-0.013 χ^2/NDF:48.1/44

All: -0.005+/-0.009 χ^2/NDF: 79.4/84



Right In: 58.856+/-0.020 χ^2/NDF: 3403735.6/16

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 63.251+/-0.020 χ^2/NDF: 3037720.4/19

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

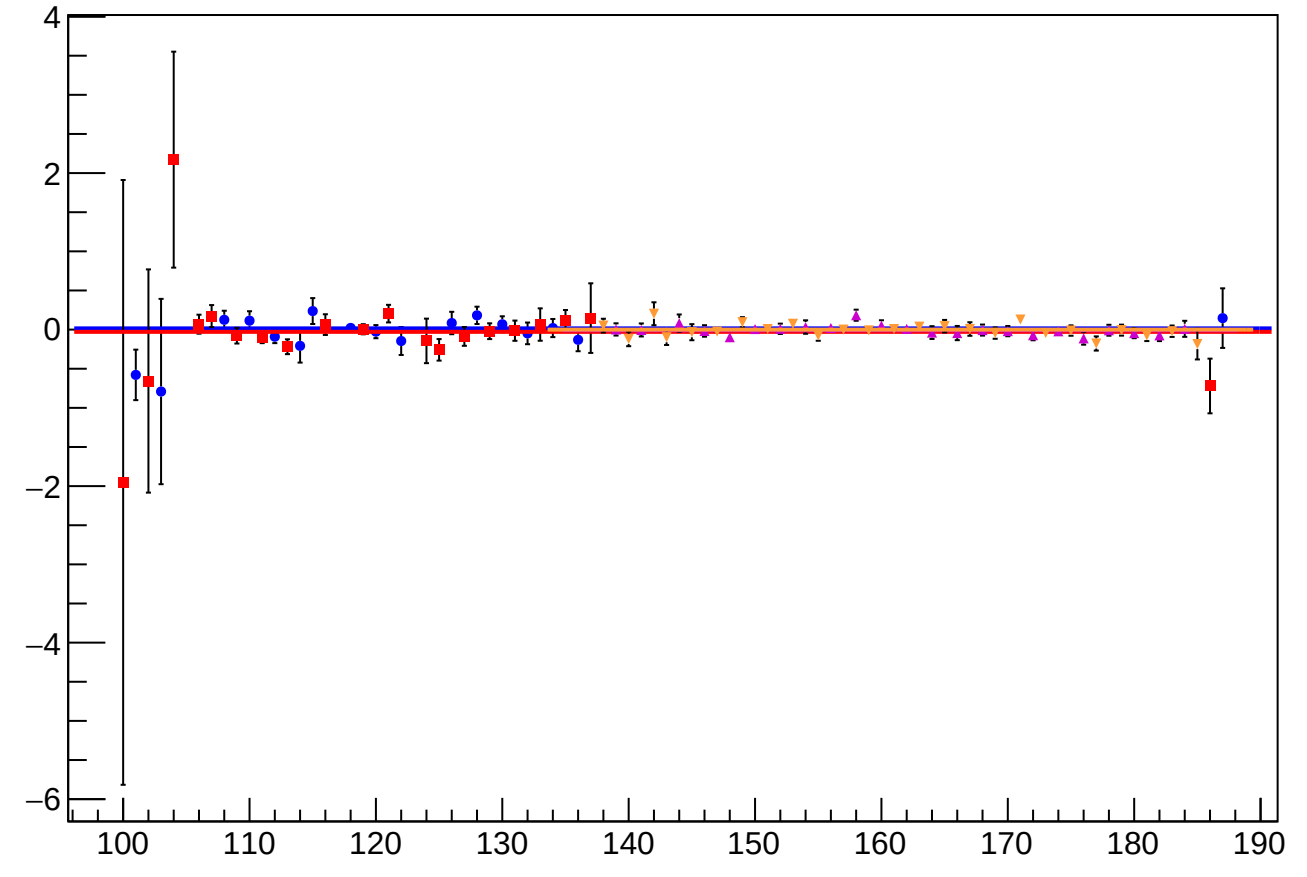
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 61.039+/-0.014 χ^2/NDF: 6466364.9/36

In: 58.297+/-0.009 χ^2/NDF:4062213.2/39

Out: 56.619+/-0.009 χ^2/NDF:4476764.8/44

All: 57.425+/-0.006 χ^2/NDF: 8556082.7/84



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.029+/-0.028 χ^2/NDF: 24.7/19

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

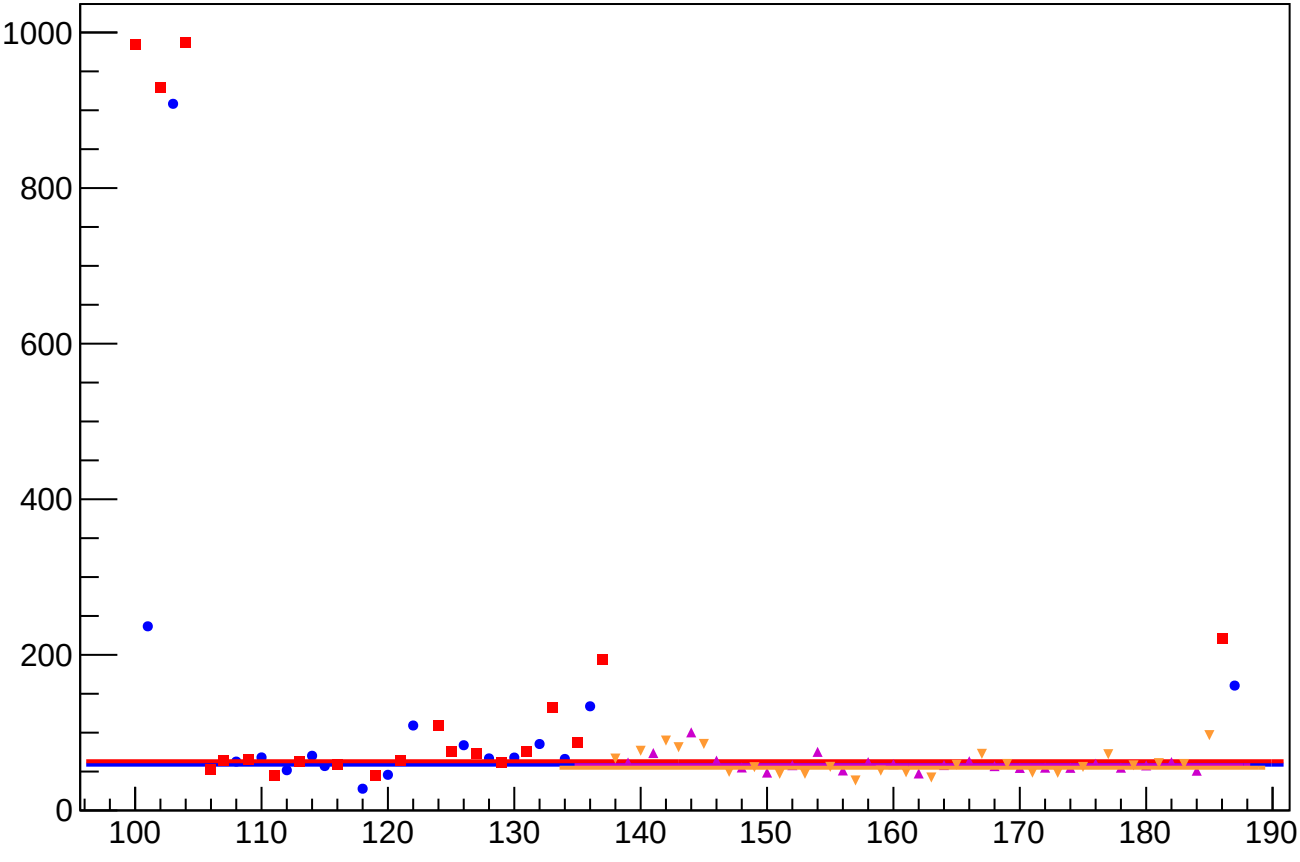
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.006+/-0.020 χ^2/NDF: 41.2/36

In: -0.003+/-0.013 χ^2/NDF:31.3/39

Out: -0.006+/-0.013 χ^2/NDF:48.1/44

All: -0.005+/-0.009 χ^2/NDF: 79.4/84



Right In: 58.856+/-0.020 χ^2/NDF: 3403735.6/16

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 63.251+/-0.020 χ^2/NDF: 3037720.4/19

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

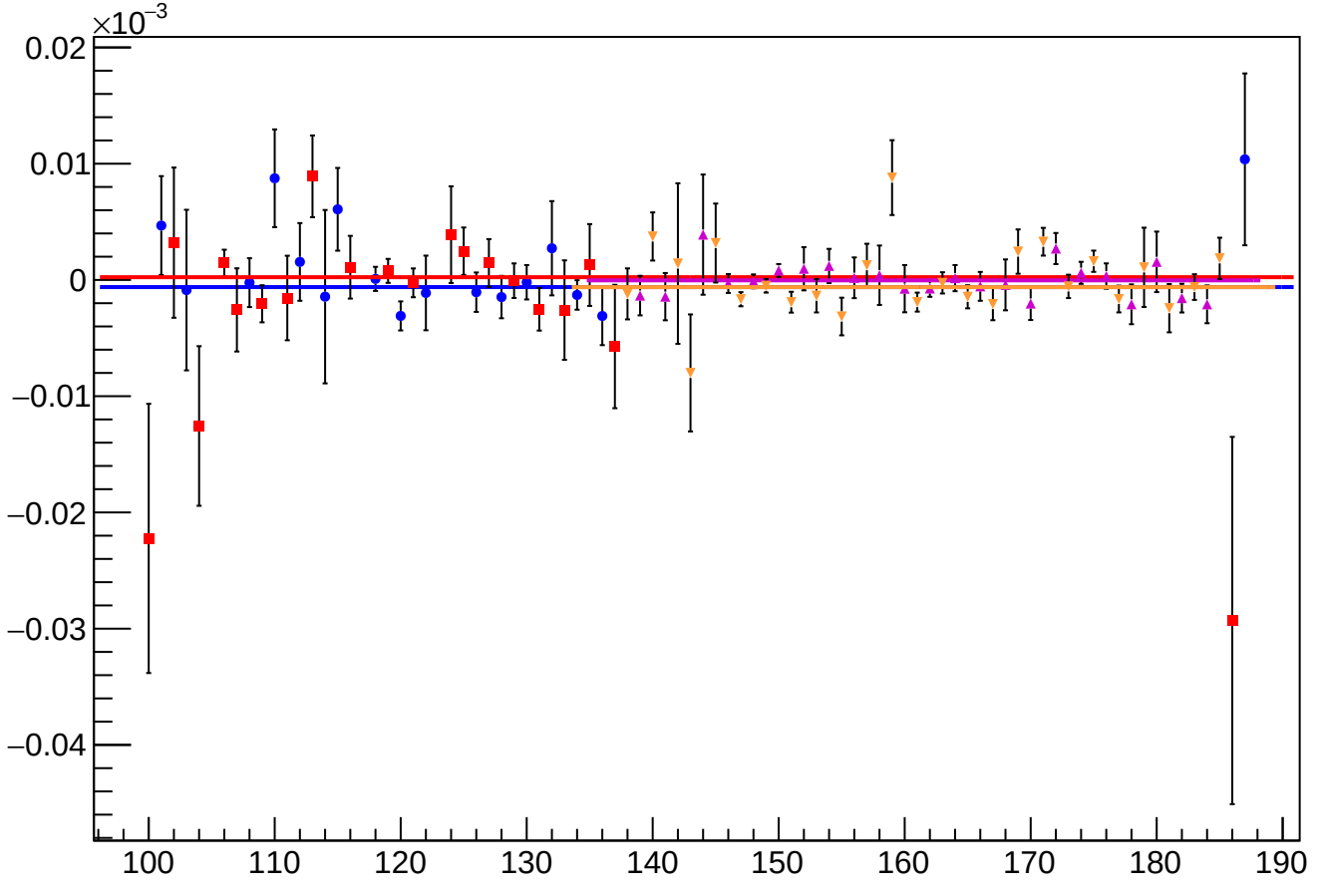
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 61.039+/-0.014 χ^2/NDF: 6466364.9/36

In: 58.297+/-0.009 χ^2/NDF:4062213.2/39

Out: 56.619+/-0.009 χ^2/NDF:4476764.8/44

All: 57.425+/-0.006 χ^2/NDF: 8556082.7/84



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/19

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

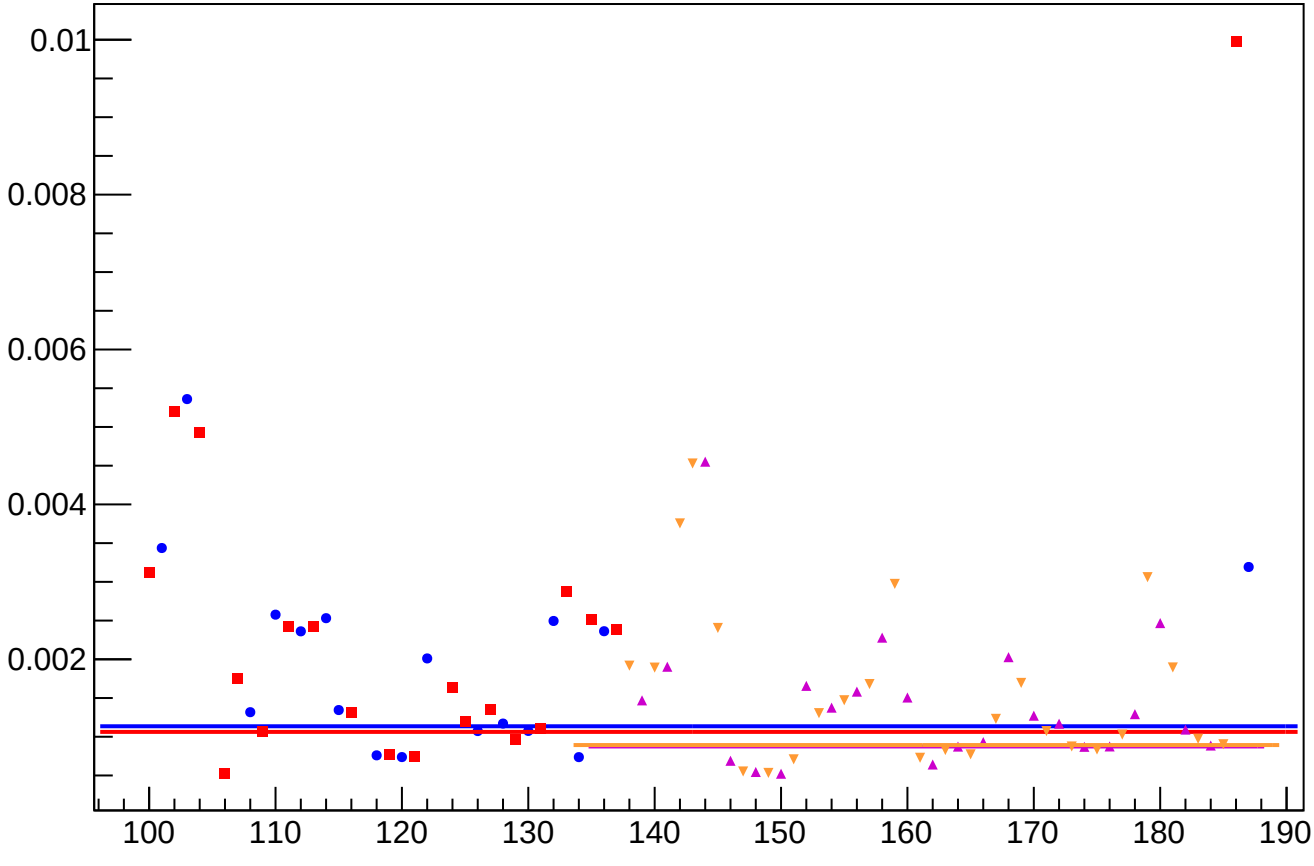
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 49.1/36

In: -0.000+/-0.000 χ^2/NDF:38.8/39

Out: -0.000+/-0.000 χ^2/NDF:83.5/44

All: -0.000+/-0.000 χ^2/NDF: 123.3/84



Right In: 0.001+/-0.000 χ^2/NDF: 3608610.8/16

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4486045.3/19

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

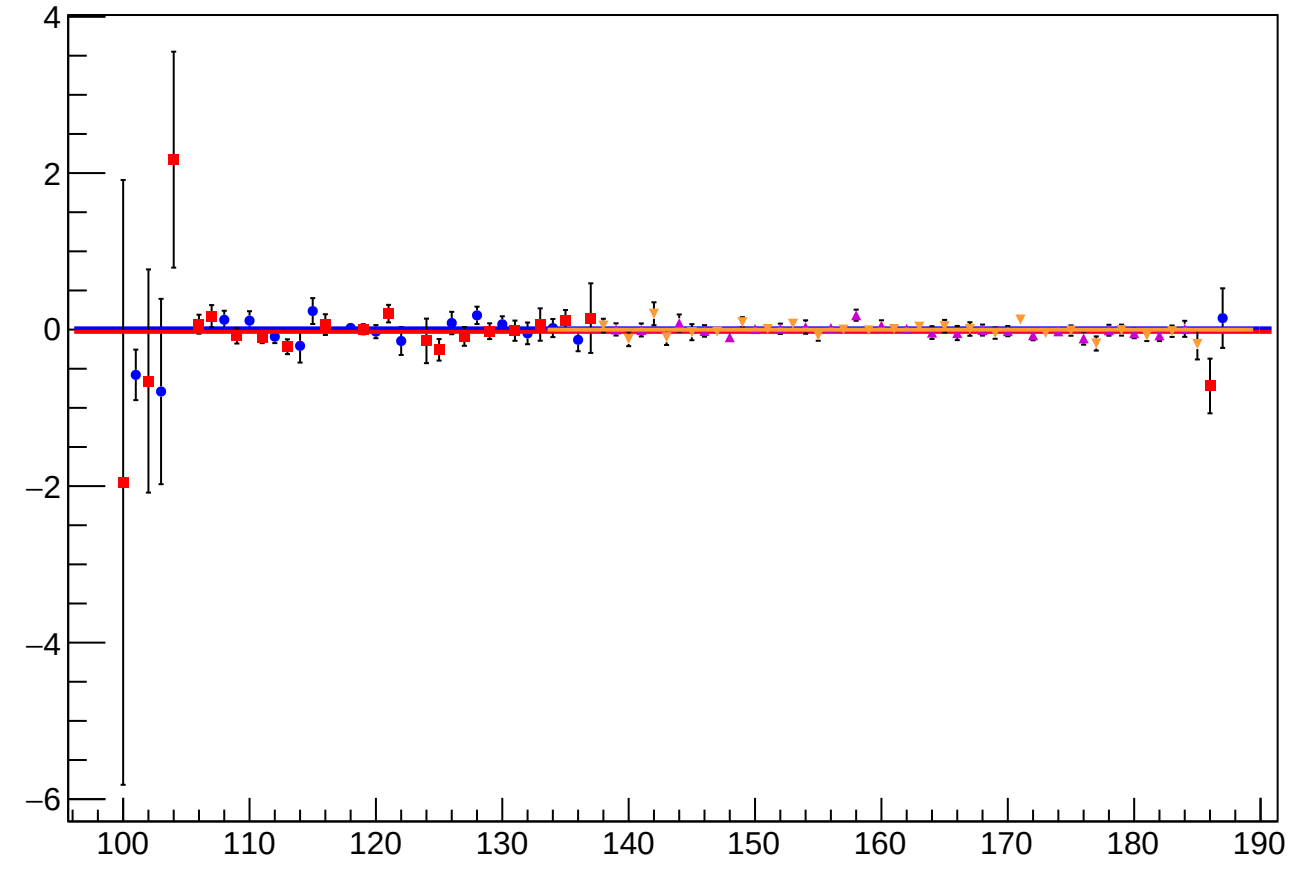
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 8117790.5/36

In: 0.001+/-0.000 χ^2/NDF:11033245.6/39

Out: 0.001+/-0.000 χ^2/NDF:12439017.7/44

All: 0.001+/-0.000 χ^2/NDF: 23472466.4/84



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.029+/-0.028 χ^2/NDF: 24.7/19

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

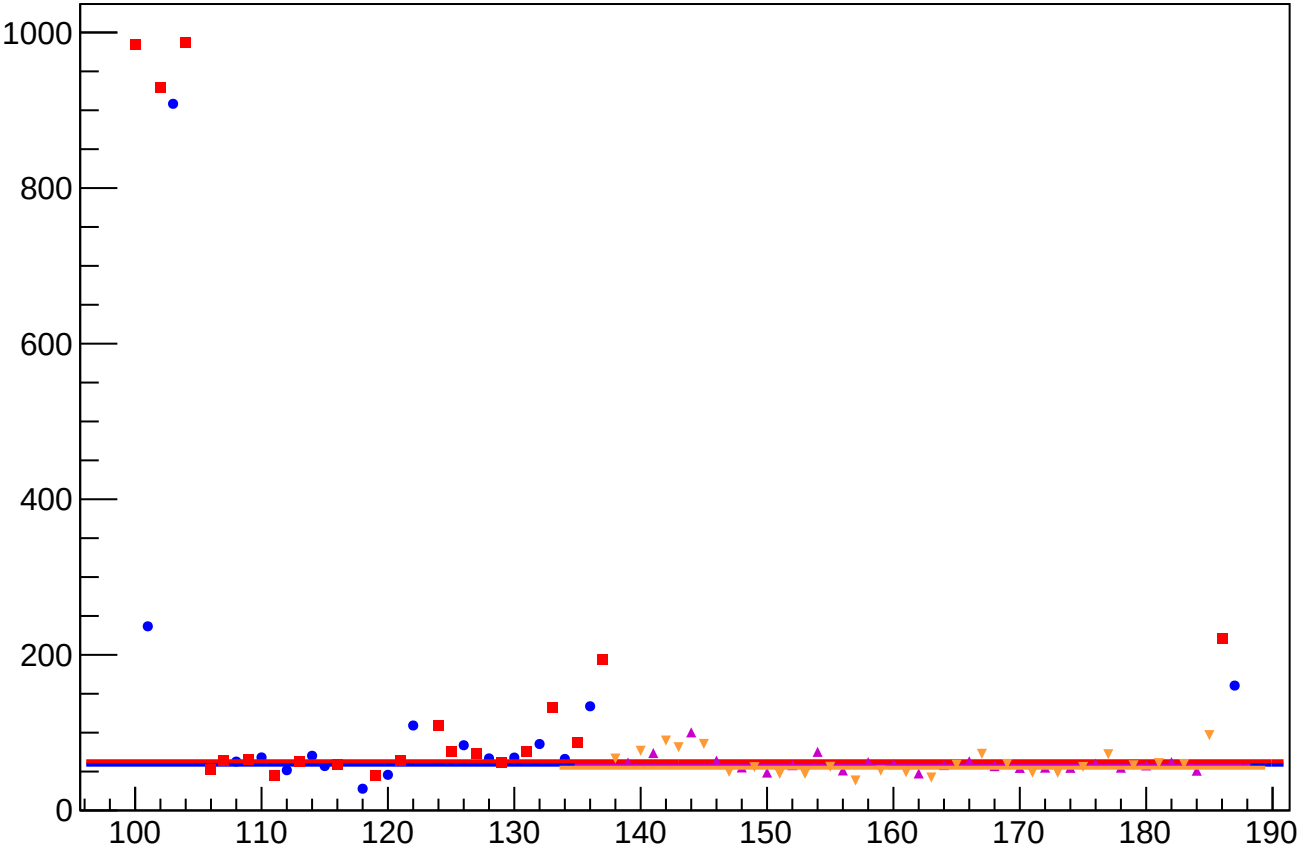
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.006+/-0.020 χ^2/NDF: 41.2/36

In: -0.003+/-0.013 χ^2/NDF:31.3/39

Out: -0.006+/-0.013 χ^2/NDF:48.1/44

All: -0.005+/-0.009 χ^2/NDF: 79.4/84



Right In: 58.855+/-0.020 χ^2/NDF: 3403820.7/16

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 63.251+/-0.020 χ^2/NDF: 3037725.9/19

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

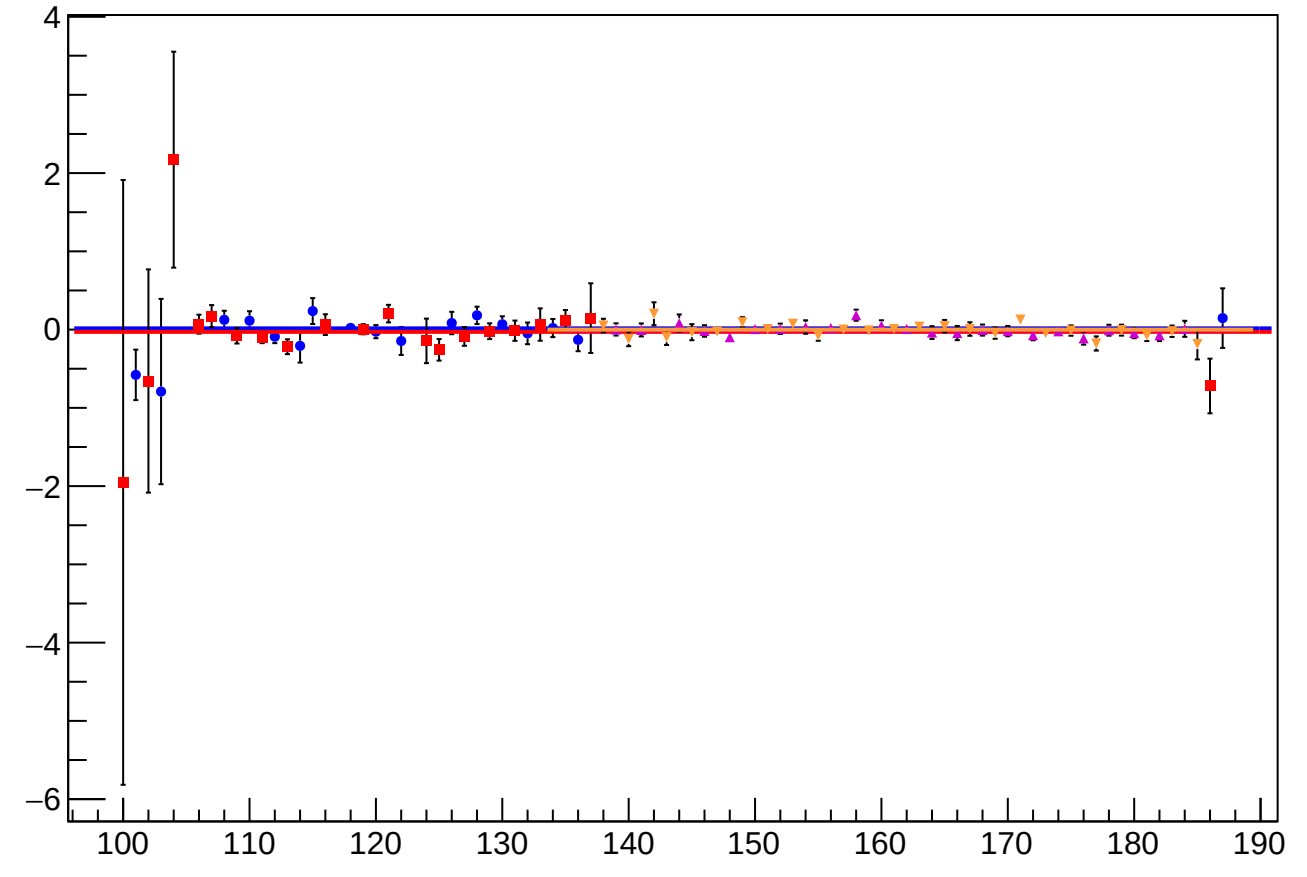
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 61.039+/-0.014 χ^2/NDF: 6466463.1/36

In: 58.297+/-0.009 χ^2/NDF:4062319.2/39

Out: 56.618+/-0.009 χ^2/NDF:4476854.6/44

All: 57.425+/-0.006 χ^2/NDF: 8556283.2/84



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.029+/-0.028 χ^2/NDF: 24.7/19

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

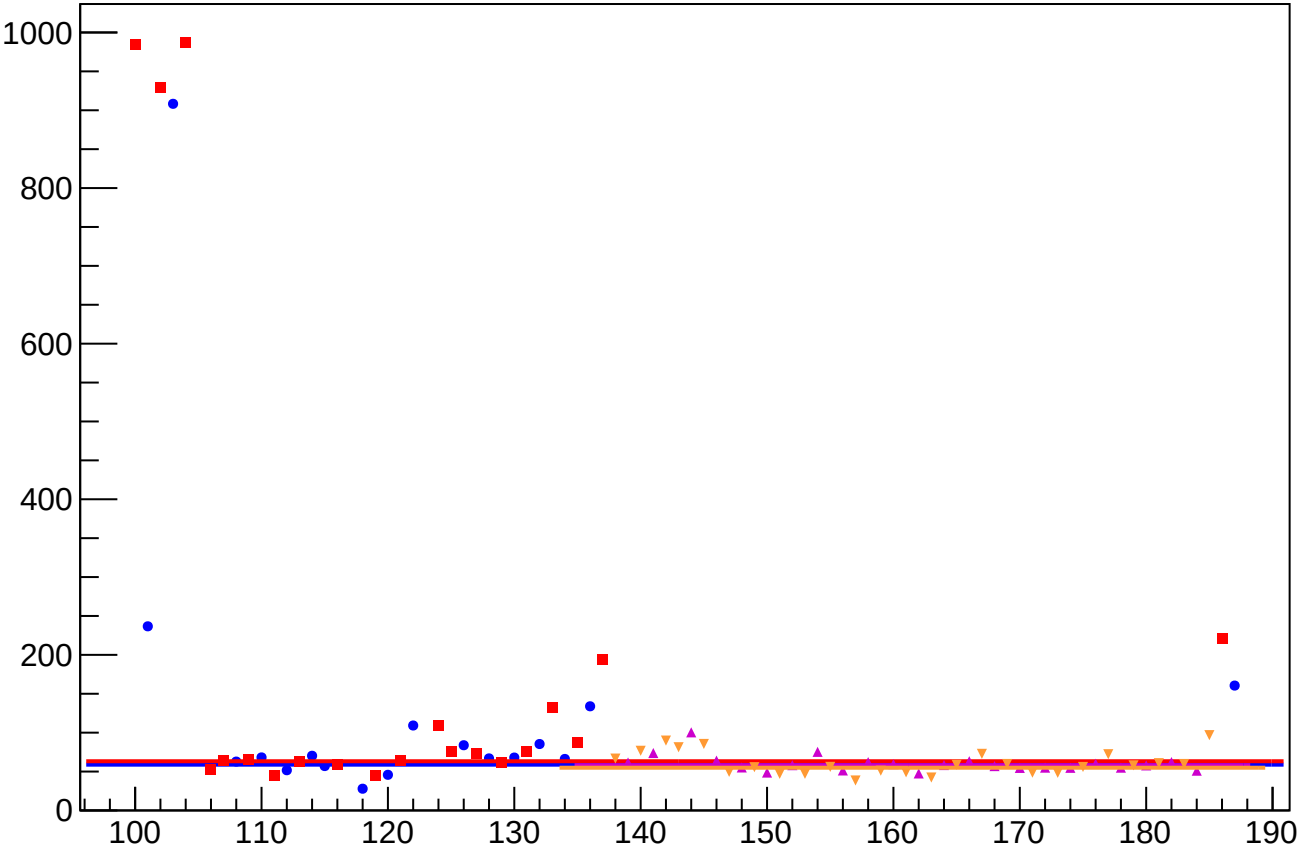
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.006+/-0.020 χ^2/NDF: 41.2/36

In: -0.003+/-0.013 χ^2/NDF:31.3/39

Out: -0.006+/-0.013 χ^2/NDF:48.1/44

All: -0.005+/-0.009 χ^2/NDF: 79.4/84



Right In: 58.855+/-0.020 χ^2/NDF: 3403820.7/16

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 63.251+/-0.020 χ^2/NDF: 3037725.9/19

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

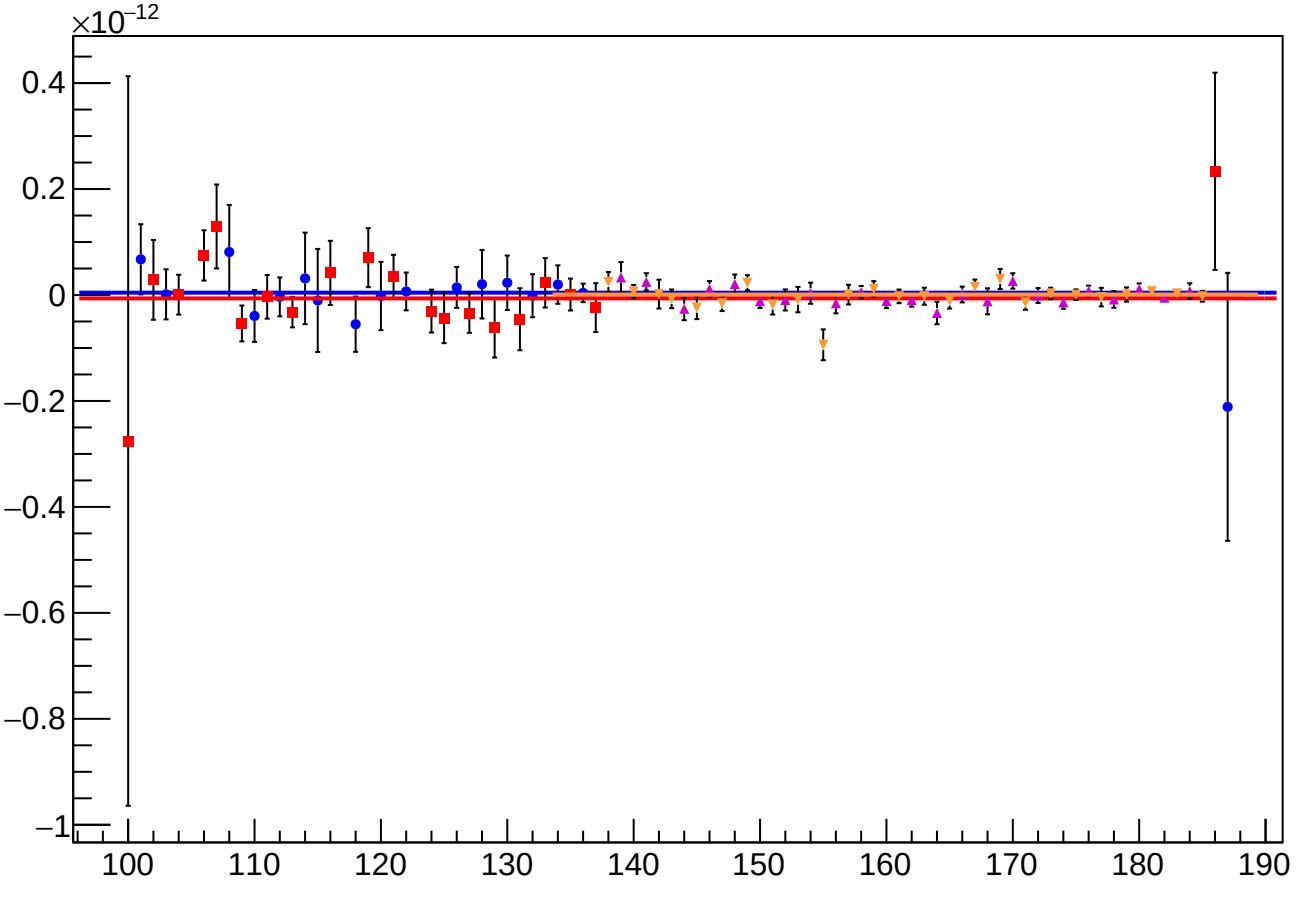
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 61.039+/-0.014 χ^2/NDF: 6466463.1/36

In: 58.297+/-0.009 χ^2/NDF:4062319.2/39

Out: 56.618+/-0.009 χ^2/NDF:4476854.6/44

All: 57.425+/-0.006 χ^2/NDF: 8556283.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 5.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/19

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

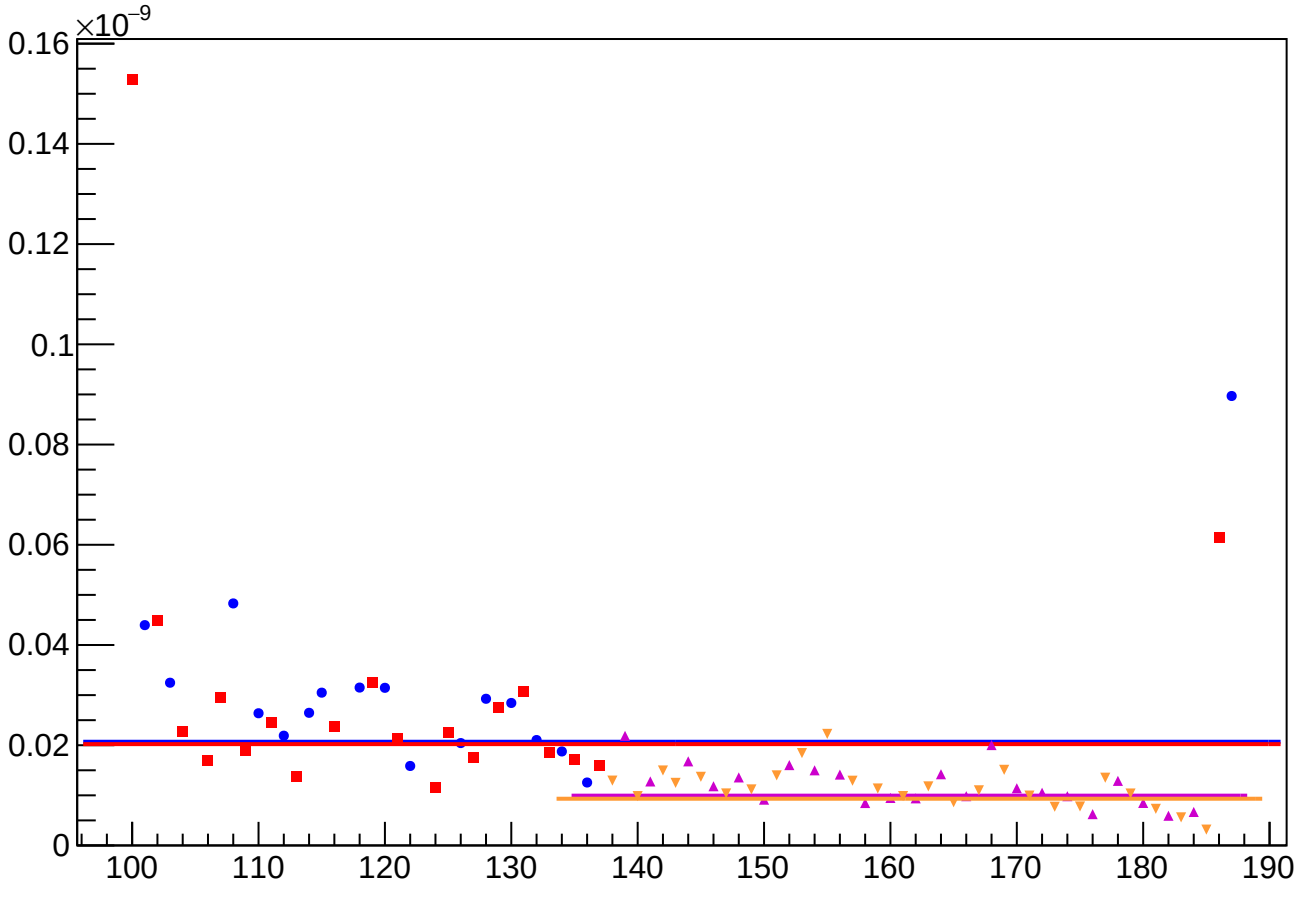
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 23.5/36

In: 0.000+/-0.000 χ^2/NDF:25.5/39

Out: 0.000+/-0.000 χ^2/NDF:43.6/44

All: 0.000+/-0.000 χ^2/NDF: 69.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 1468713.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 911000.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

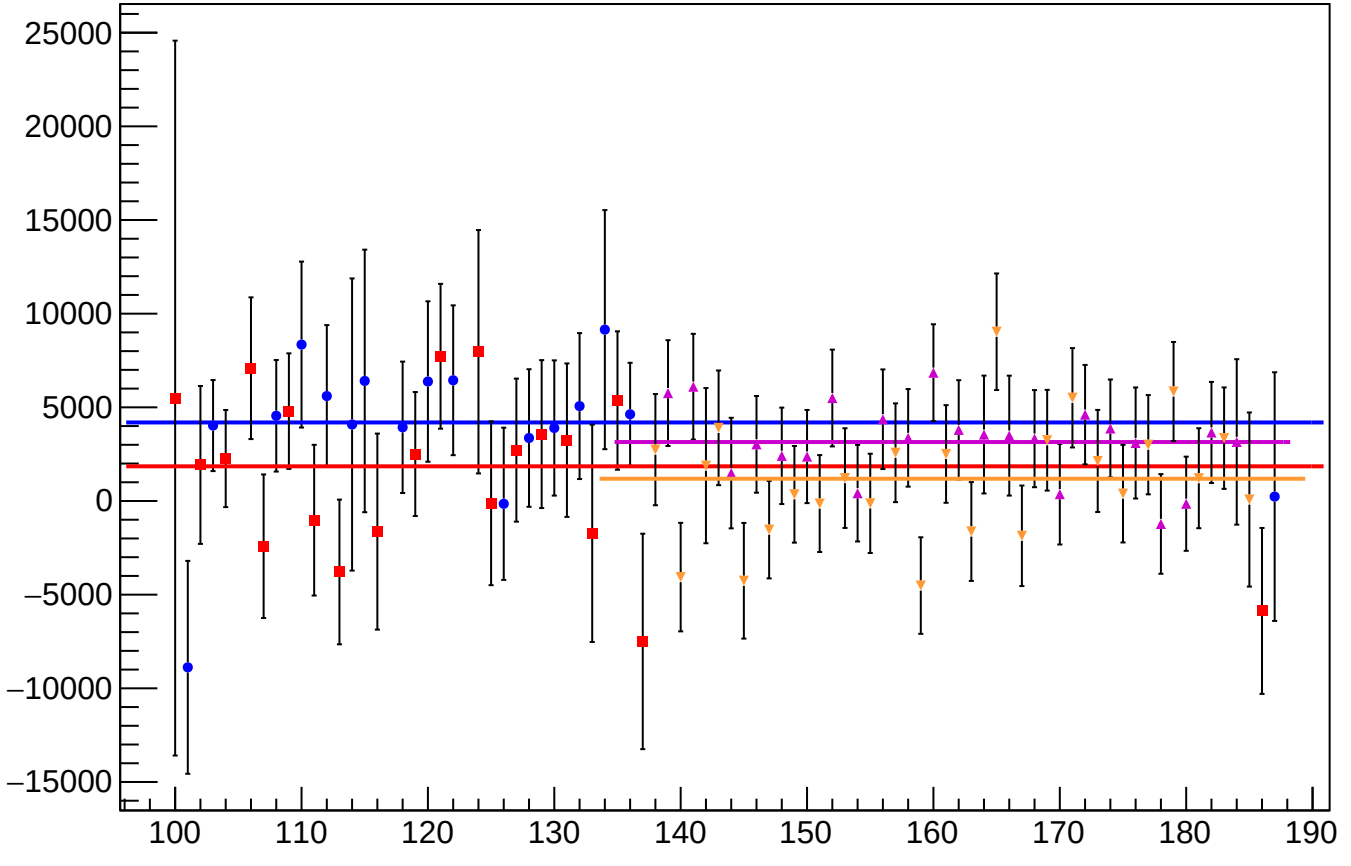
Right: 0.000+/-0.000 χ^2/NDF: 2381867.6/36

In: 0.000+/-0.000 χ^2/NDF:6077847.6/39

Out: 0.000+/-0.000 χ^2/NDF:6146651.1/44

All: 0.000+/-0.000 χ^2/NDF: 12286010.9/84

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4192.967+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1851.610+/-902.746 χ^2/NDF: 18.0/19

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

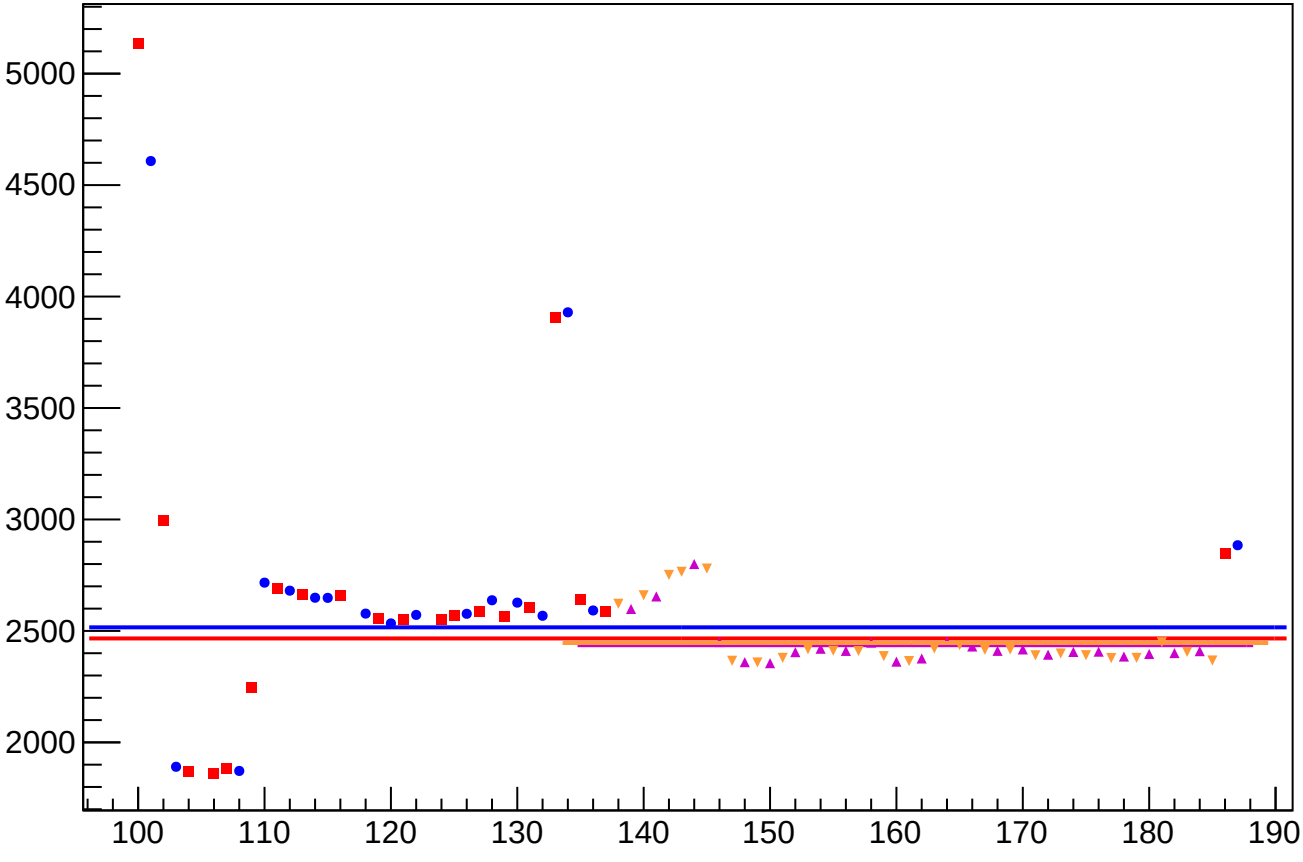
Right: 2972.103+/-651.877 χ^2/NDF: 30.4/36

In: 3426.942+/-487.227 χ^2/NDF:22.8/39

Out: 1371.221+/-473.563 χ^2/NDF:49.5/44

All: 2369.851+/-339.587 χ^2/NDF: 81.5/84

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2516.045+/-0.666 χ^2/NDF: 617877.5/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2466.221+/-0.638 χ^2/NDF: 452499.7/19

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

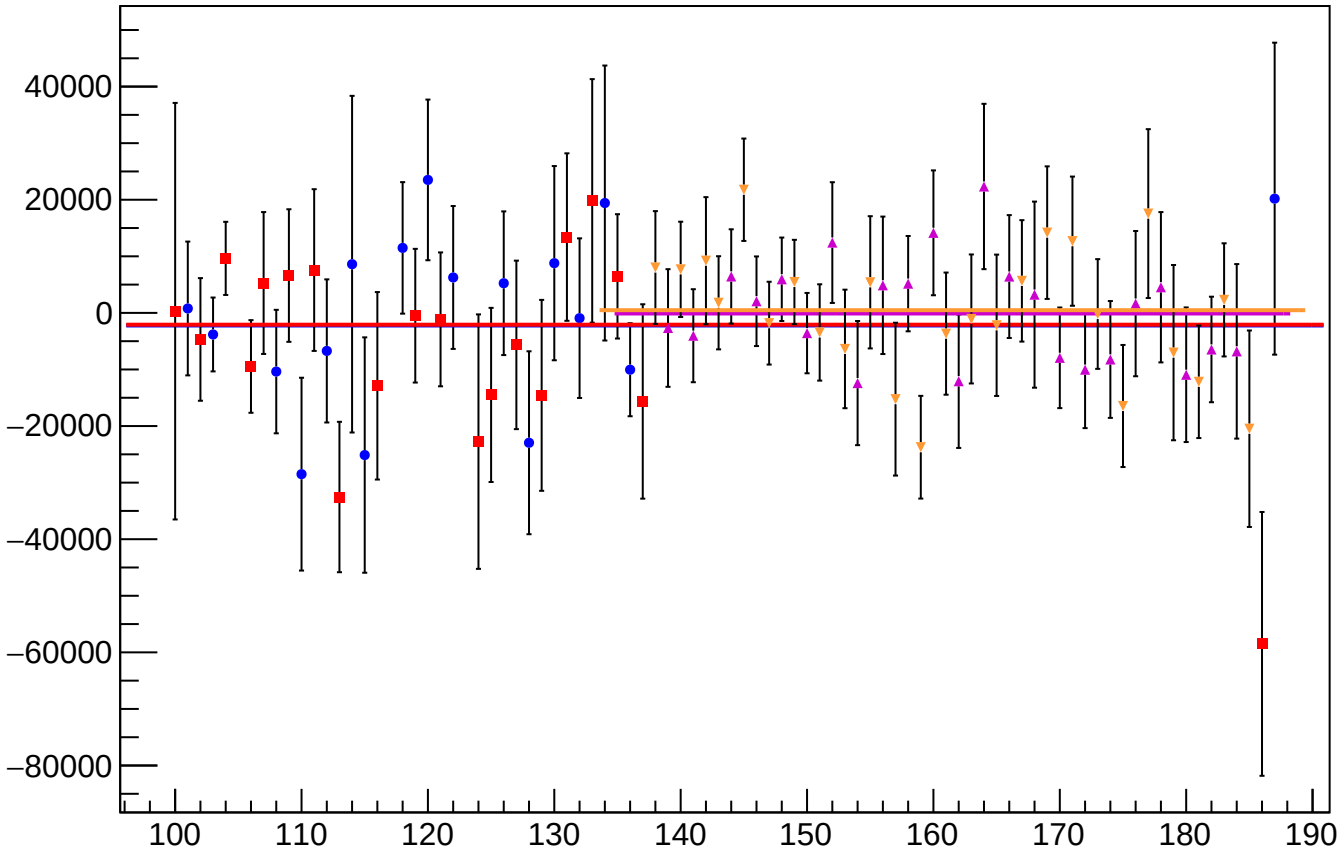
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2490.065+/-0.461 χ^2/NDF: 1073292.7/36

In: 2457.363+/-0.345 χ^2/NDF:687653.8/39

Out: 2451.438+/-0.335 χ^2/NDF:543254.4/44

All: 2454.316+/-0.240 χ^2/NDF: 1231060.3/84



Right In: -2221.713+/-3056.621 χ^2/NDF: 14.4/16

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2088.928+/-2831.622 χ^2/NDF: 22.5/19

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

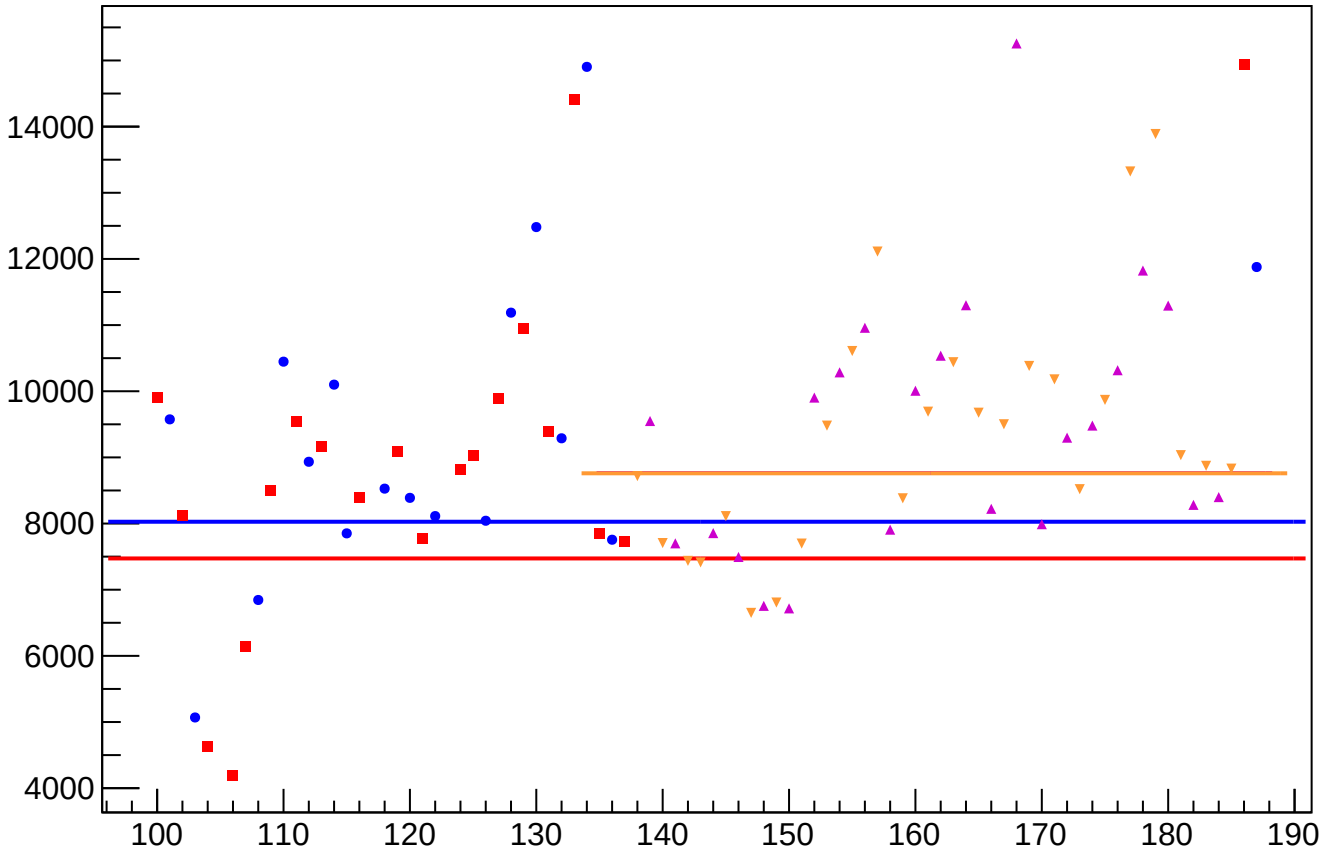
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2150.254+/-2077.253 χ^2/NDF: 37.0/36

In: -779.712+/-1725.758 χ^2/NDF:29.2/39

Out: -397.331+/-1653.033 χ^2/NDF:50.5/44

All: -580.295+/-1193.753 χ^2/NDF: 79.7/84



Right In: 8027.399+/-2.161 χ^2/NDF: 962573.6/16

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7472.530+/-2.002 χ^2/NDF: 1494220.7/19

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

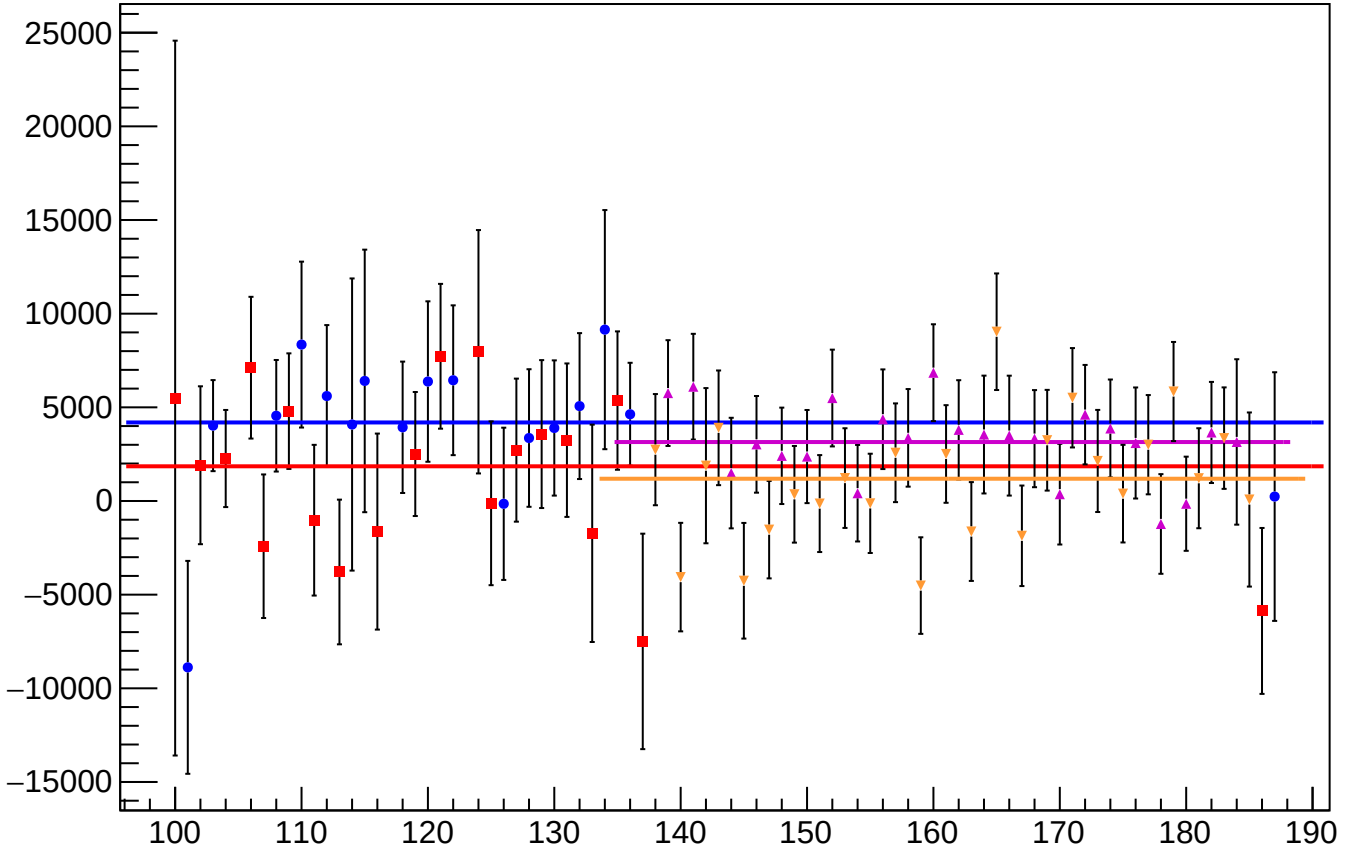
Right: 7728.793+/-1.469 χ^2/NDF: 2492262.3/36

In: 8529.288+/-1.220 χ^2/NDF:2333425.6/39

Out: 8320.997+/-1.169 χ^2/NDF:2988859.5/44

All: 8420.661+/-0.844 χ^2/NDF: 5337479.3/84

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4192.509+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1852.217+/-902.753 χ^2/NDF: 18.0/19

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

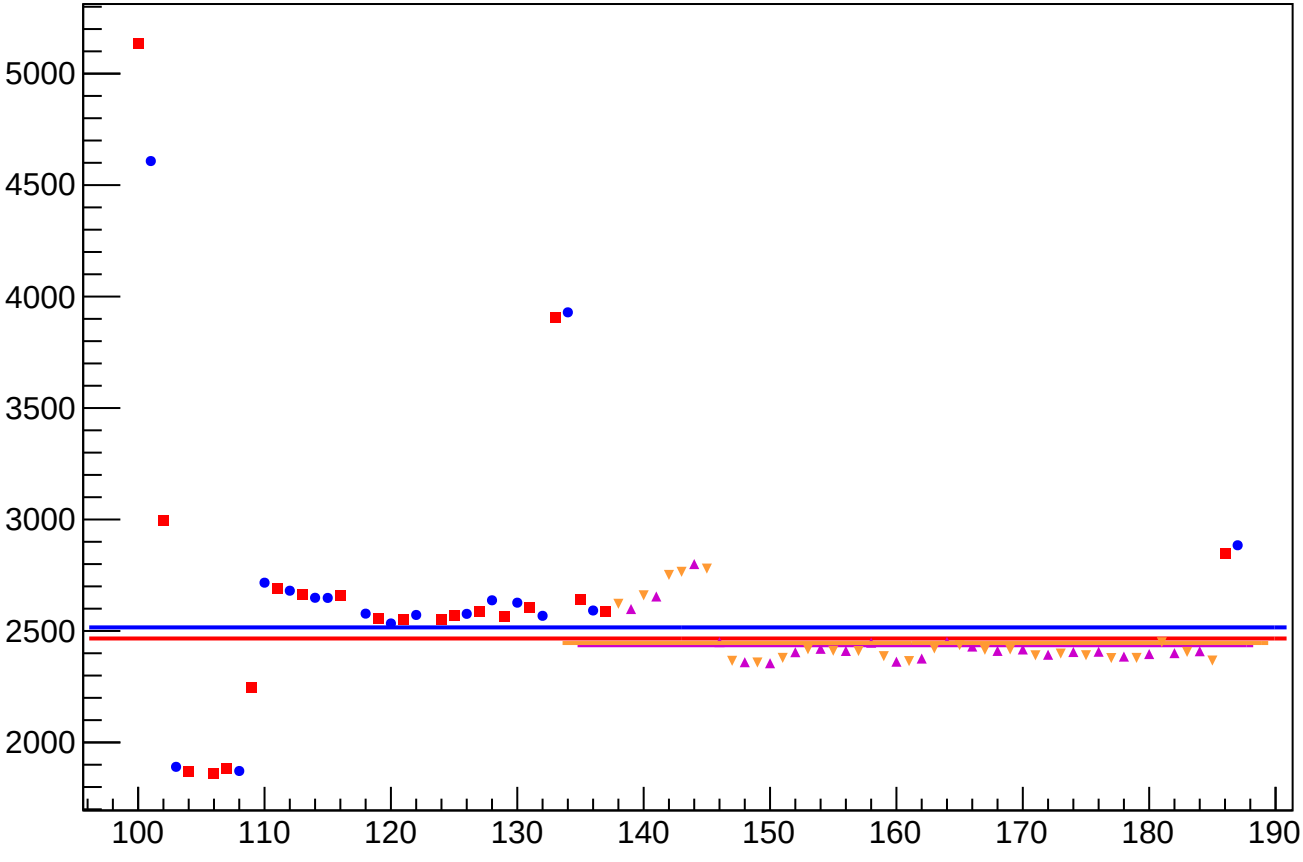
Right: 2972.209+/-651.879 χ^2/NDF: 30.5/36

In: 3426.675+/-487.227 χ^2/NDF:22.8/39

Out: 1371.263+/-473.564 χ^2/NDF:49.5/44

All: 2369.745+/-339.588 χ^2/NDF: 81.5/84

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2516.046+/-0.666 χ^2/NDF: 617875.2/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2466.245+/-0.638 χ^2/NDF: 452443.4/19

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

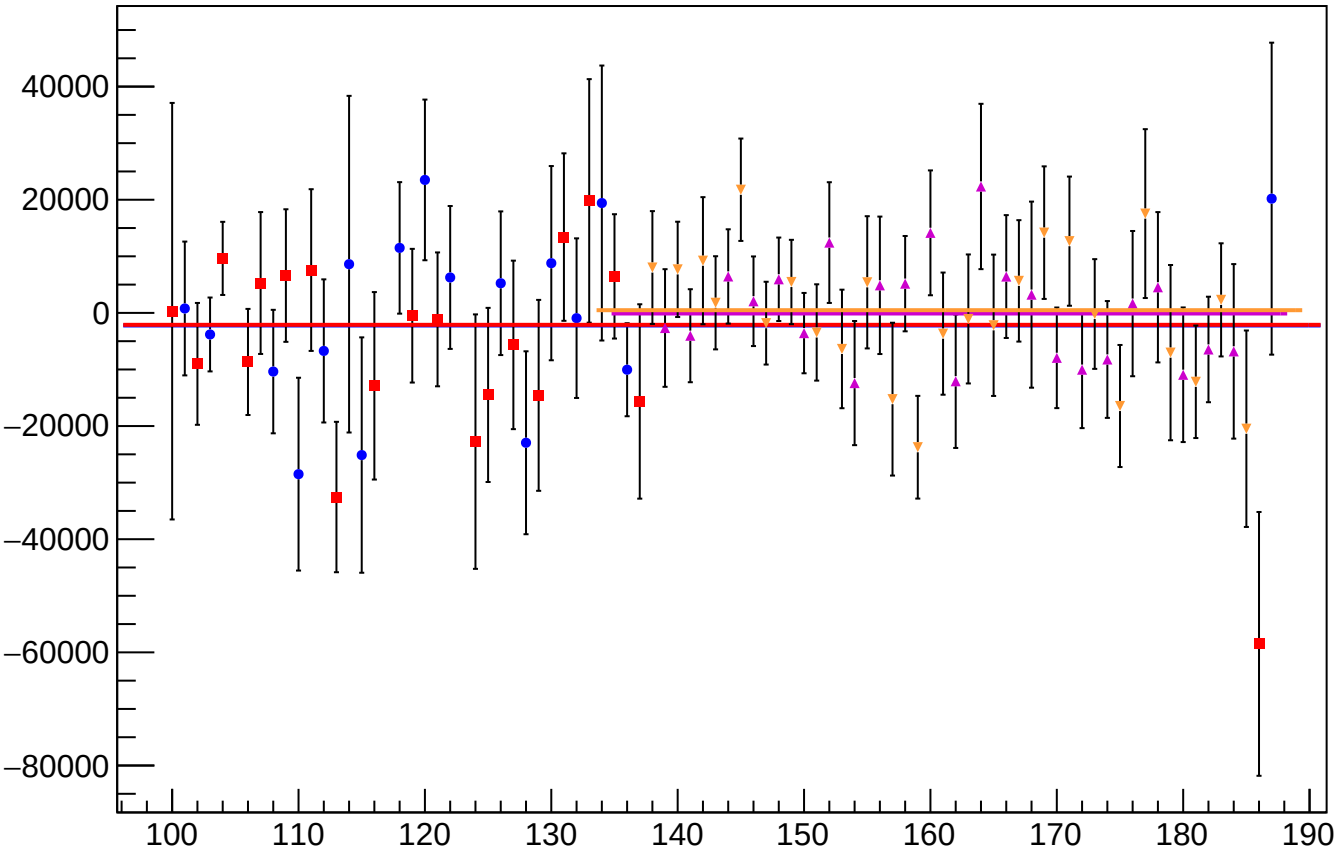
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2490.078+/-0.461 χ^2/NDF: 1073231.5/36

In: 2457.363+/-0.345 χ^2/NDF:687651.8/39

Out: 2451.445+/-0.335 χ^2/NDF:543199.8/44

All: 2454.320+/-0.240 χ^2/NDF: 1231003.4/84



Right In: -2221.476+/-3056.708 χ^2/NDF: 14.4/16

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2108.454+/-2871.437 χ^2/NDF: 22.6/19

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

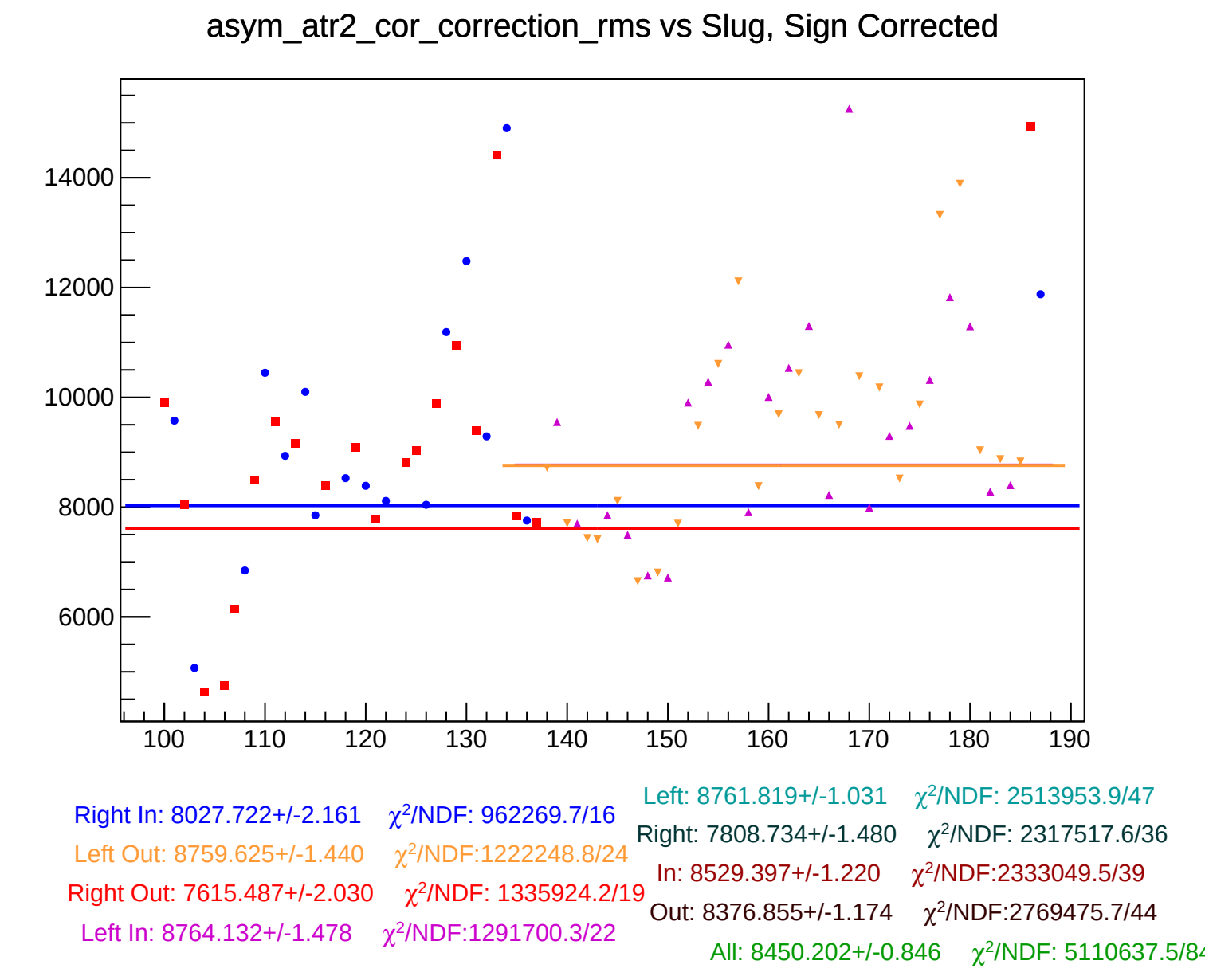
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2161.436+/-2092.847 χ^2/NDF: 37.0/36

In: -779.658+/-1725.773 χ^2/NDF:29.2/39

Out: -387.828+/-1660.844 χ^2/NDF:50.5/44

All: -576.234+/-1196.690 χ^2/NDF: 79.8/84


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
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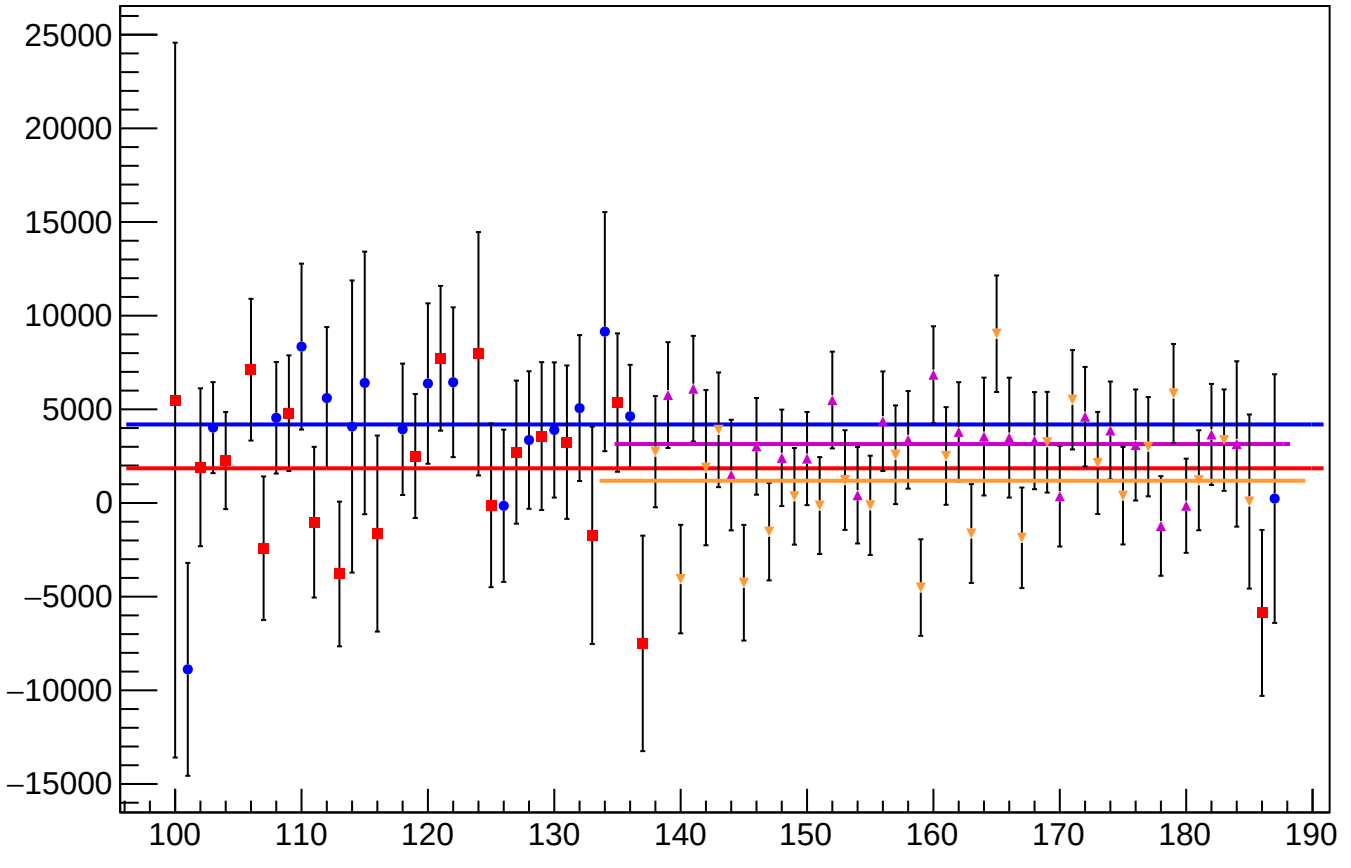
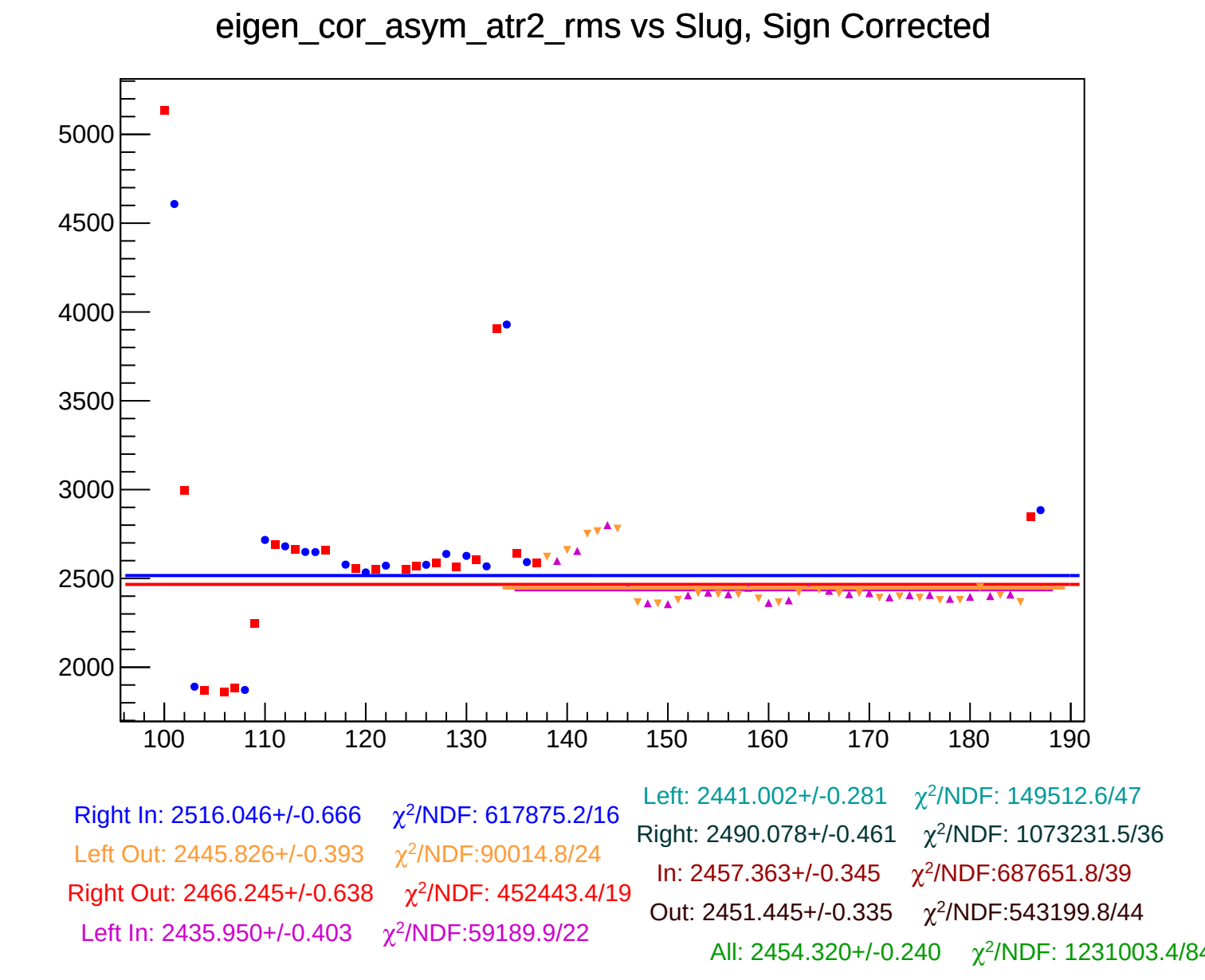
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8027.722+/-2.161 χ²/NDF: 962269.7/16
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 7615.487+/-2.030 χ²/NDF: 1335924.2/19
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 7808.734+/-1.480 χ²/NDF: 2317517.6/36
In: 8529.397+/-1.220 χ²/NDF:2333049.5/39
Out: 8376.855+/-1.174 χ²/NDF:2769475.7/44
All: 8450.202+/-0.846 χ²/NDF: 5110637.5/84


eigen_cor_asym_atr2_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 4192.509+/-942.312 χ²/NDF: 9.2/16
Left Out: 1188.666+/-556.242 χ²/NDF:31.1/24
Right Out: 1852.217+/-902.753 χ²/NDF: 18.0/19
Left In: 3147.222+/-569.221 χ²/NDF:12.7/22
Left: 2145.360+/-397.832 χ²/NDF: 49.9/47
Right: 2972.209+/-651.879 χ²/NDF: 30.5/36
In: 3426.675+/-487.227 χ²/NDF:22.8/39
Out: 1371.263+/-473.564 χ²/NDF:49.5/44
All: 2369.745+/-339.588 χ²/NDF: 81.5/84


eigen_cor_asym_atr2_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
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120
130
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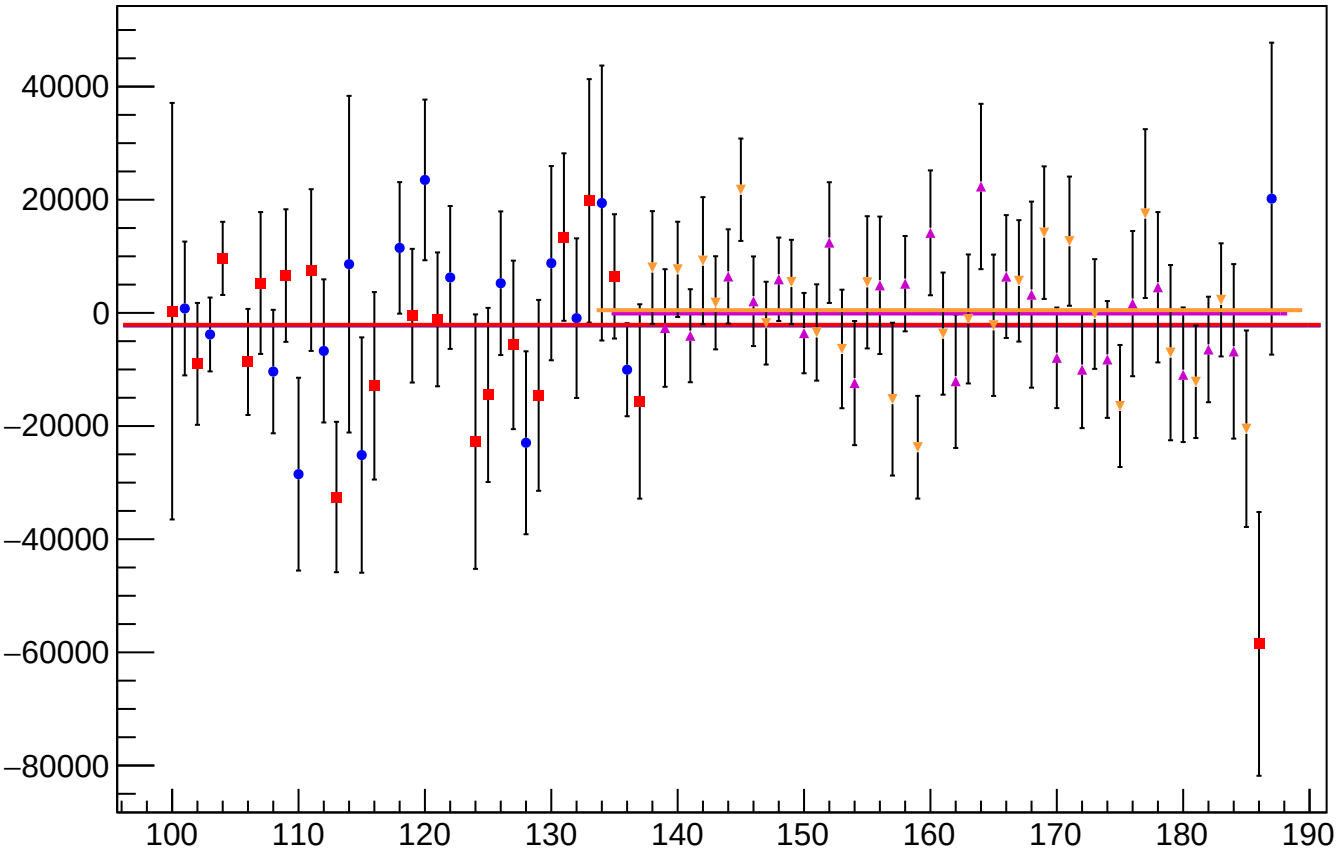
170
180
190
Right In: 2516.046+/-0.666 χ²/NDF: 617875.2/16
Left Out: 2445.826+/-0.393 χ²/NDF:90014.8/24
Right Out: 2466.245+/-0.638 χ²/NDF: 452443.4/19
Left In: 2435.950+/-0.403 χ²/NDF:59189.9/22
Left: 2441.002+/-0.281 χ²/NDF: 149512.6/47
Right: 2490.078+/-0.461 χ²/NDF: 1073231.5/36
In: 2457.363+/-0.345 χ²/NDF:687651.8/39
Out: 2451.445+/-0.335 χ²/NDF:543199.8/44
All: 2454.320+/-0.240 χ²/NDF: 1231003.4/84



Right In: -2221.476+/-3056.708 χ^2/NDF: 14.4/16

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2108.454+/-2871.437 χ^2/NDF: 22.6/19

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

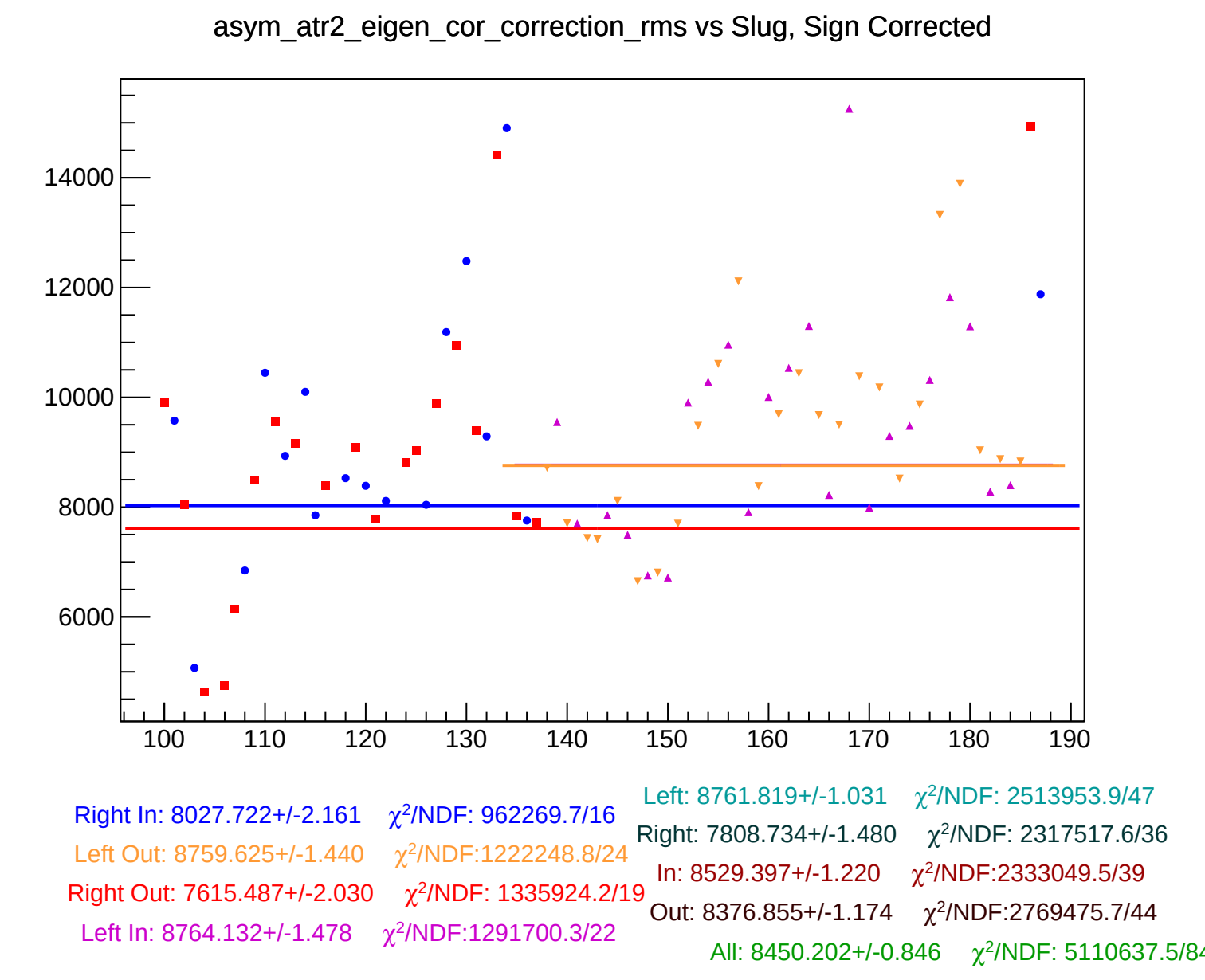
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2161.436+/-2092.847 χ^2/NDF: 37.0/36

In: -779.658+/-1725.773 χ^2/NDF:29.2/39

Out: -387.828+/-1660.844 χ^2/NDF:50.5/44

All: -576.234+/-1196.690 χ^2/NDF: 79.8/84


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
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110
120
130
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150
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170
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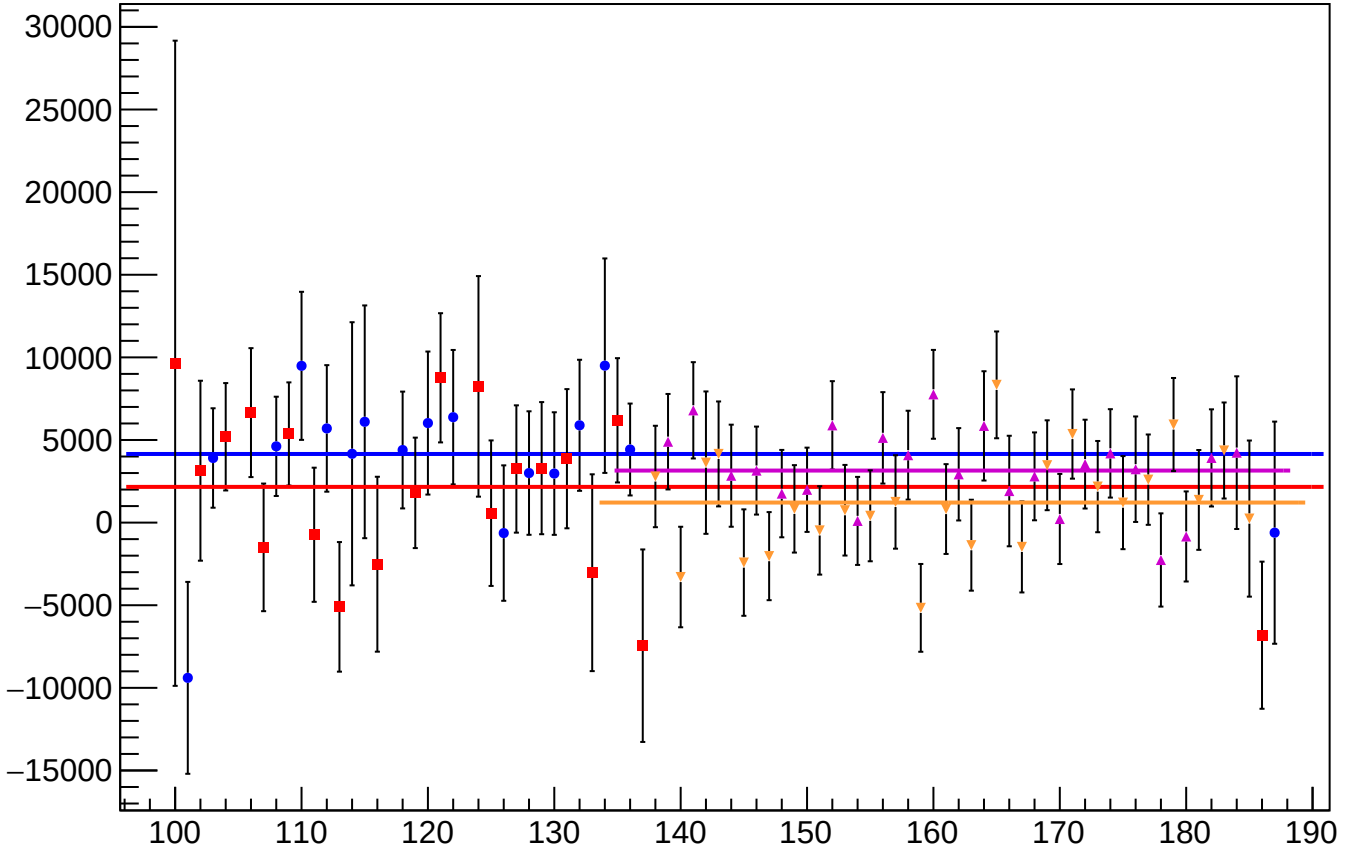
190
Right In: 8027.722+/-2.161 χ²/NDF: 962269.7/16
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 7615.487+/-2.030 χ²/NDF: 1335924.2/19
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 7808.734+/-1.480 χ²/NDF: 2317517.6/36
In: 8529.397+/-1.220 χ²/NDF:2333049.5/39
Out: 8376.855+/-1.174 χ²/NDF:2769475.7/44
All: 8450.202+/-0.846 χ²/NDF: 5110637.5/84

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4153.552+/-979.960 χ^2/NDF: 10.6/16

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 2162.054+/-944.080 χ^2/NDF: 21.9/19

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

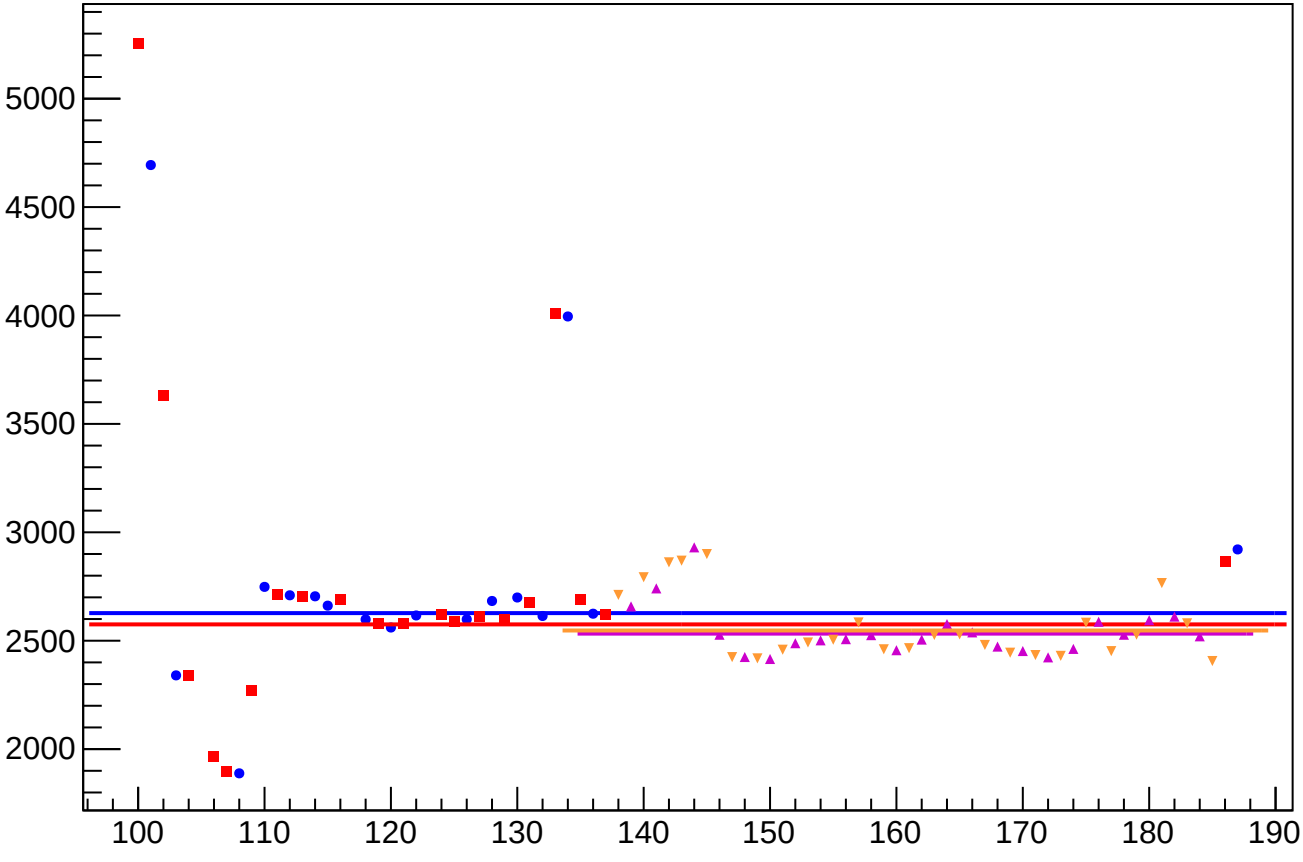
Right: 3120.678+/-679.896 χ^2/NDF: 34.6/36

In: 3418.591+/-506.789 χ^2/NDF:27.8/39

Out: 1473.487+/-493.999 χ^2/NDF:49.5/44

All: 2421.185+/-353.745 χ^2/NDF: 84.8/84

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2627.341+/-0.693 χ^2/NDF: 489814.9/16

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2575.293+/-0.667 χ^2/NDF: 387061.7/19

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

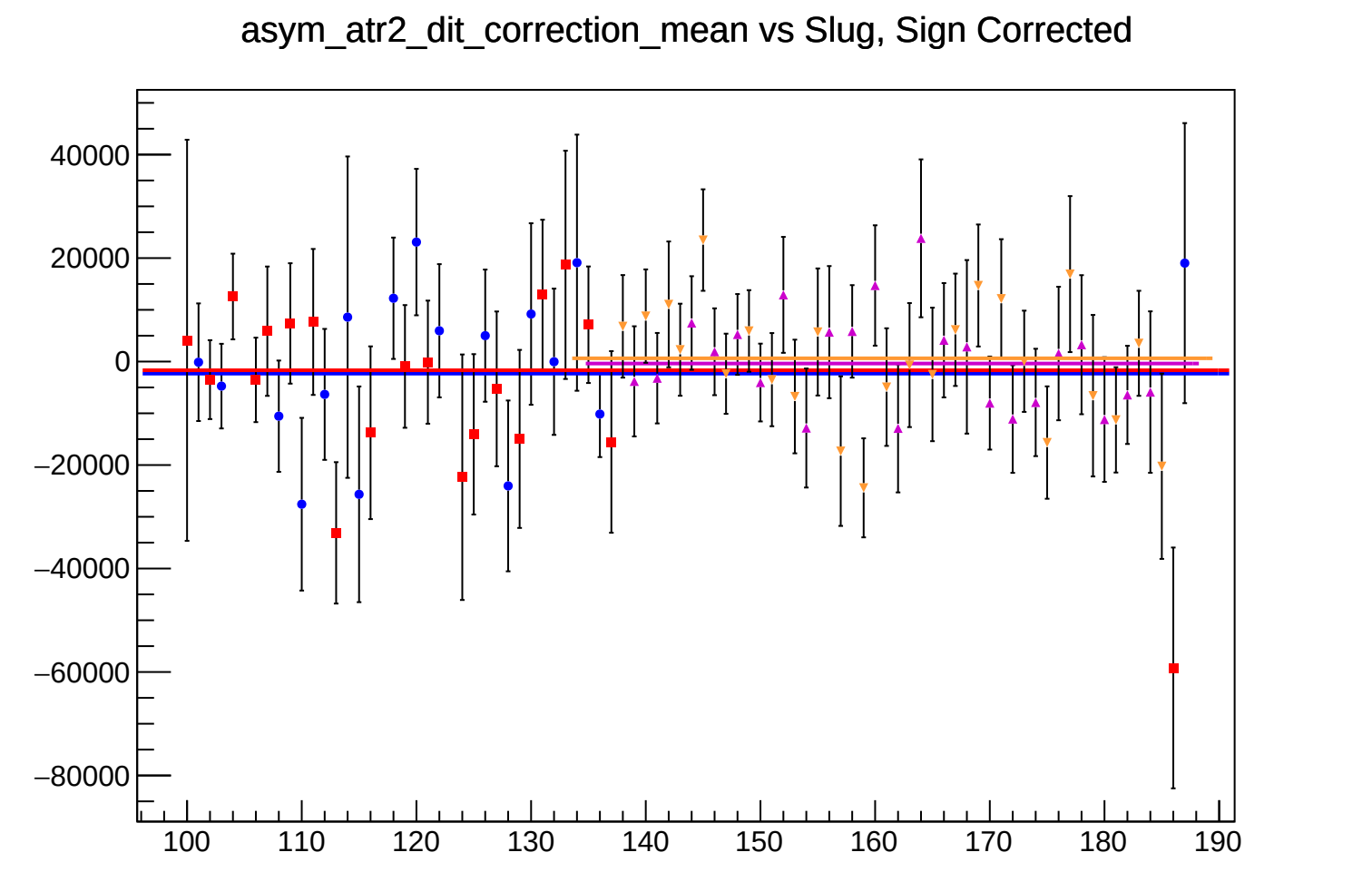
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2600.332+/-0.481 χ^2/NDF: 879804.3/36

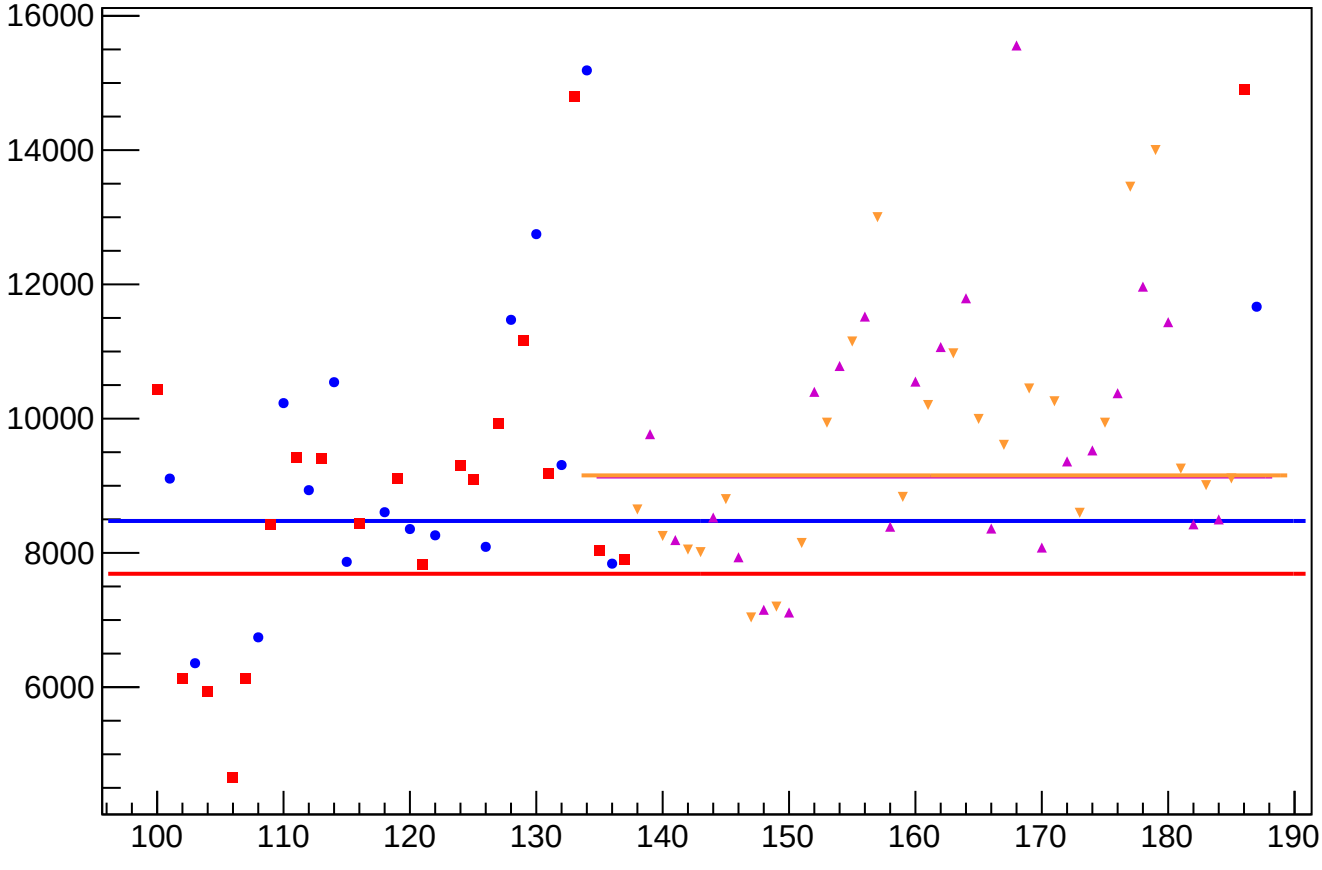
In: 2558.064+/-0.358 χ^2/NDF:571900.2/39

Out: 2554.865+/-0.349 χ^2/NDF:505651.5/44

All: 2556.423+/-0.250 χ^2/NDF: 1077592.6/84


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: -2331.224+/-3189.132 χ²/NDF: 14.4/16
Left Out: 631.360+/-2123.101 χ²/NDF:26.7/24
Right Out: -1679.667+/-2851.290 χ²/NDF: 21.6/19
Left In: -377.922+/-2176.347 χ²/NDF:14.2/22
Left: 139.216+/-1519.735 χ²/NDF: 41.0/47
Right: -1969.117+/-2125.609 χ²/NDF: 36.1/36
In: -998.554+/-1797.648 χ²/NDF:28.9/39
Out: -192.945+/-1702.876 χ²/NDF:48.7/44
All: -573.954+/-1236.262 χ²/NDF: 77.7/84

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8475.703+/-2.255 χ^2/NDF: 608495.2/16

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 7689.062+/-2.016 χ^2/NDF: 1169275.0/19

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

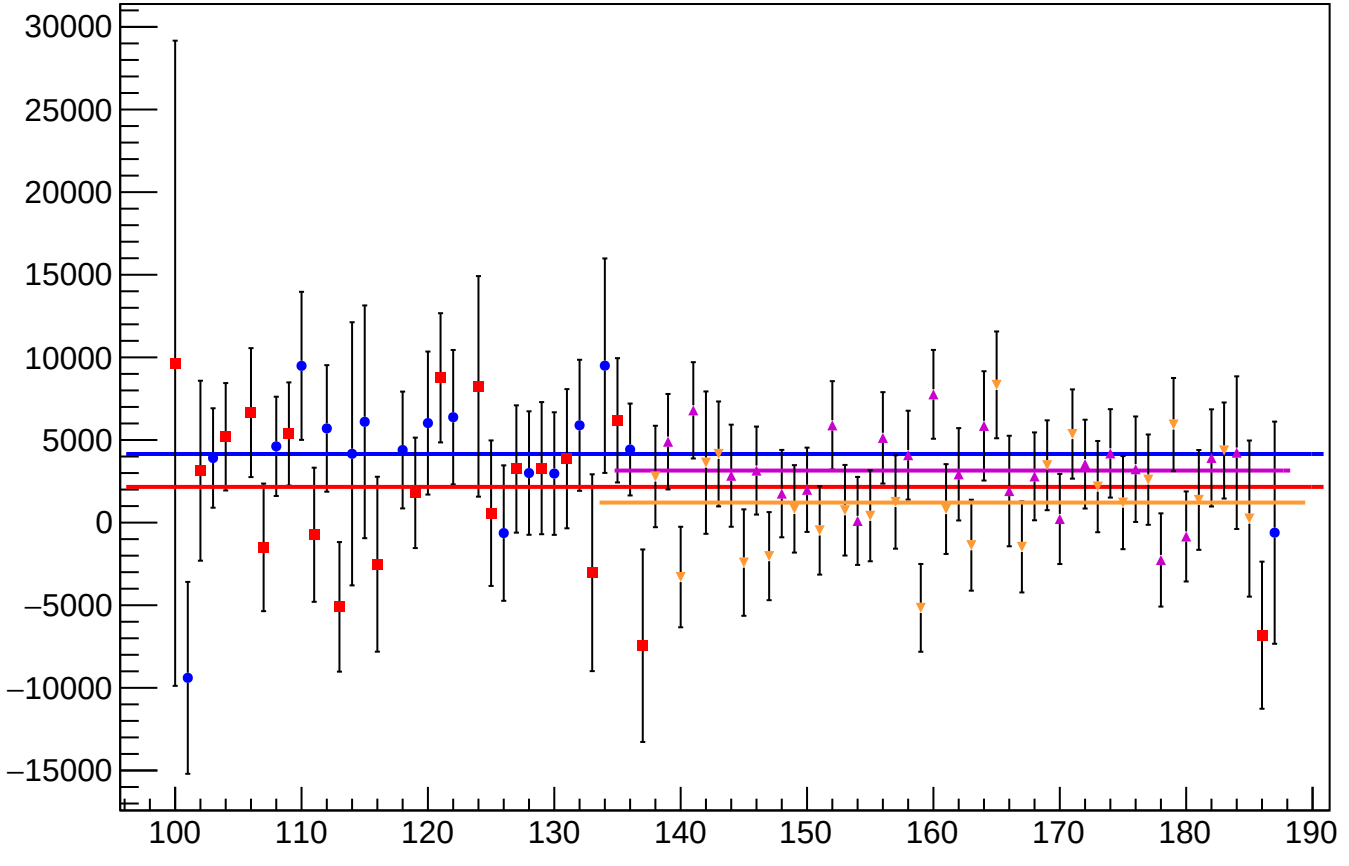
Right: 8038.523+/-1.503 χ^2/NDF: 1845397.5/36

In: 8927.276+/-1.271 χ^2/NDF:1840061.6/39

Out: 8631.923+/-1.204 χ^2/NDF:2581301.4/44

All: 8771.609+/-0.874 χ^2/NDF: 4449818.0/84

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4153.561+/-979.960 χ^2/NDF: 10.6/16

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 2162.073+/-944.079 χ^2/NDF: 21.9/19

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

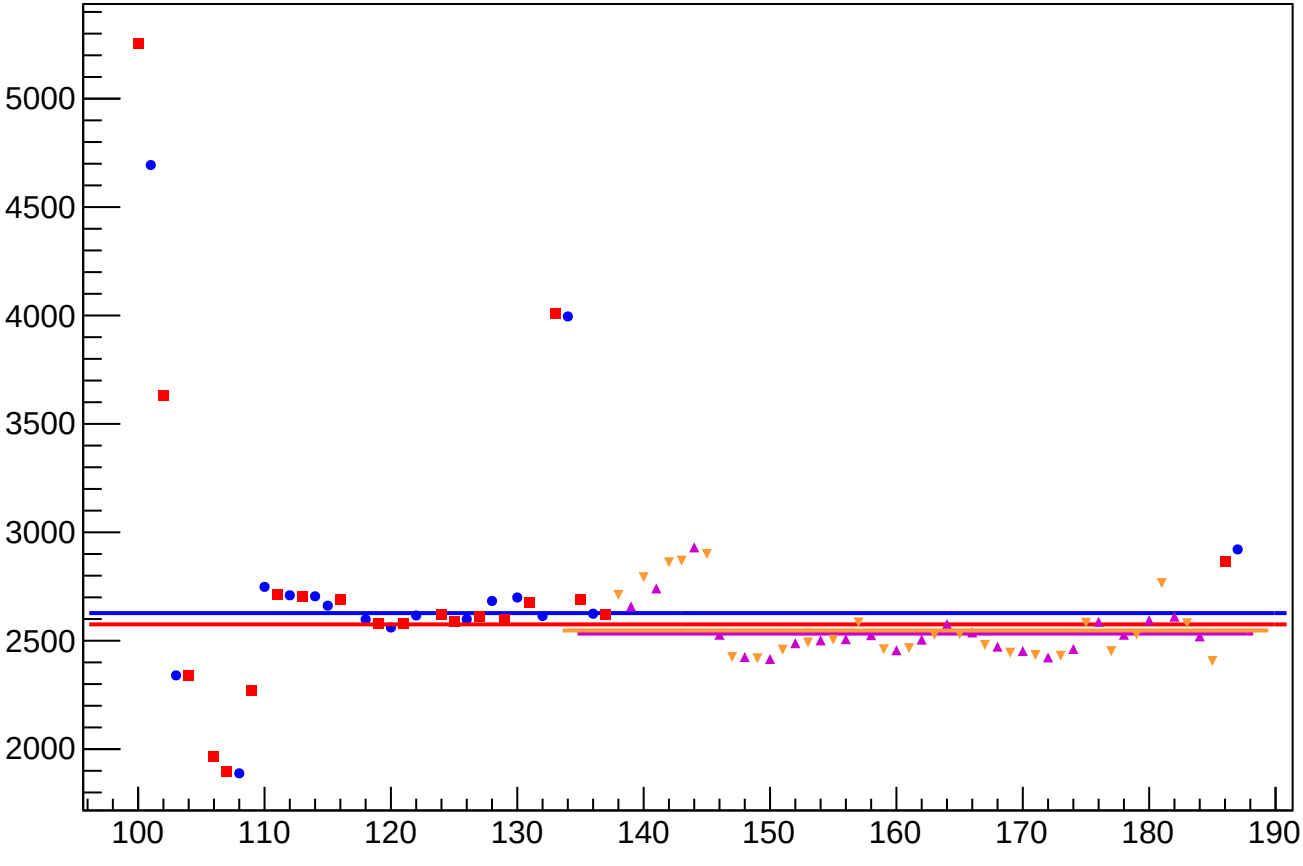
Right: 3120.692+/-679.896 χ^2/NDF: 34.6/36

In: 3418.593+/-506.789 χ^2/NDF:27.8/39

Out: 1473.485+/-493.999 χ^2/NDF:49.5/44

All: 2421.185+/-353.745 χ^2/NDF: 84.8/84

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2627.340+/-0.693 χ^2/NDF: 489815.1/16

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2575.293+/-0.667 χ^2/NDF: 387061.2/19

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

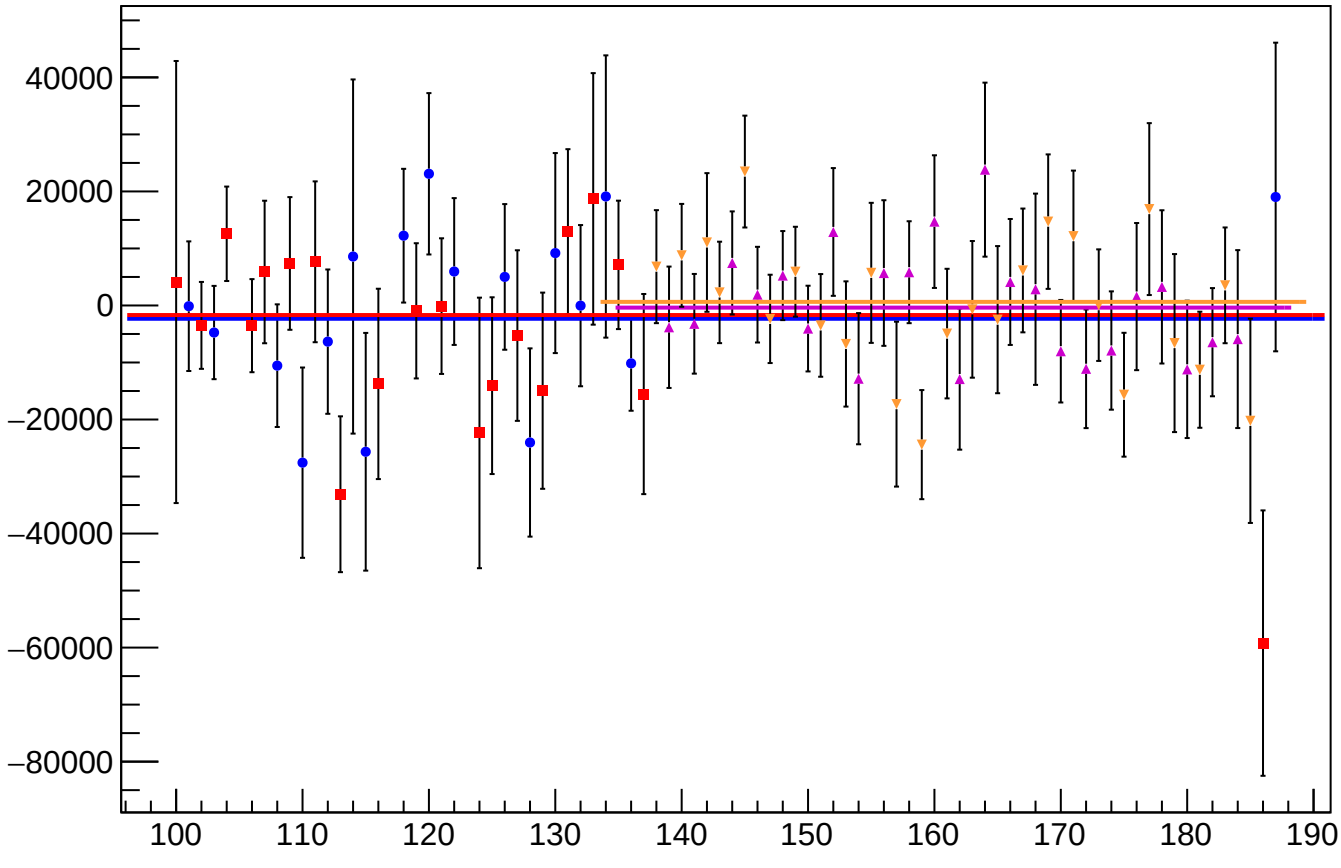
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2600.331+/-0.481 χ^2/NDF: 879803.9/36

In: 2558.065+/-0.358 χ^2/NDF:571899.4/39

Out: 2554.866+/-0.349 χ^2/NDF:505650.7/44

All: 2556.424+/-0.250 χ^2/NDF: 1077591.0/84



Right In: -2331.192+/-3189.128 χ^2/NDF: 14.4/16

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -1679.662+/-2851.285 χ^2/NDF: 21.6/19

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

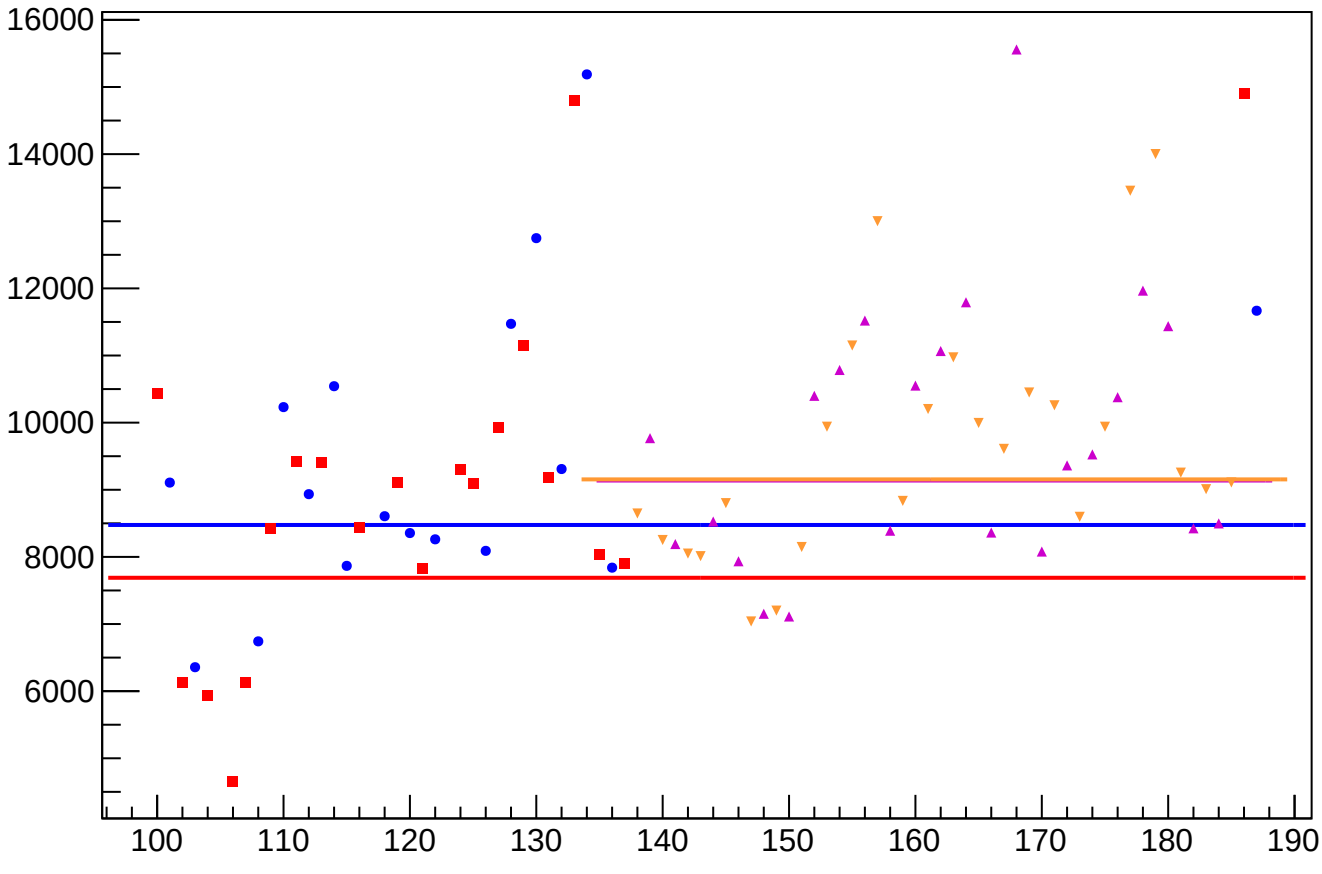
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -1969.100+/-2125.606 χ^2/NDF: 36.1/36

In: -998.549+/-1797.650 χ^2/NDF:28.9/39

Out: -192.950+/-1702.877 χ^2/NDF:48.7/44

All: -573.955+/-1236.263 χ^2/NDF: 77.7/84



Right In: 8475.694+/-2.255 χ^2/NDF: 608489.9/16

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 7689.050+/-2.016 χ^2/NDF: 1169270.9/19

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

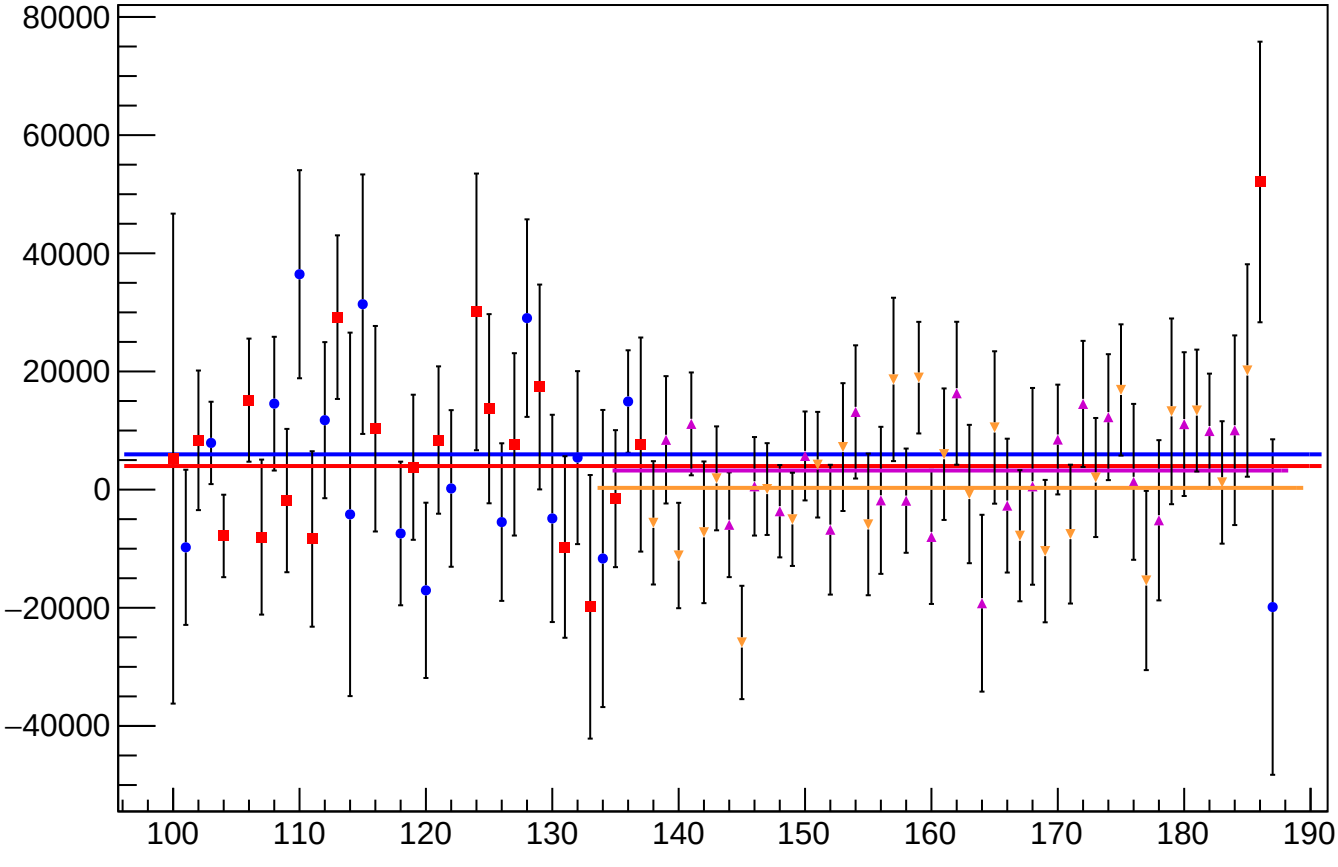
Right: 8038.512+/-1.503 χ^2/NDF: 1845388.7/36

In: 8927.282+/-1.271 χ^2/NDF:1840064.5/39

Out: 8631.926+/-1.204 χ^2/NDF:2581311.8/44

All: 8771.614+/-0.874 χ^2/NDF: 4449831.8/84

asym_atr2_mean vs Slug, Sign Corrected



Right In: 5970.535+/-3218.817 χ^2/NDF: 15.9/16

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 3992.167+/-3043.342 χ^2/NDF: 18.1/19

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

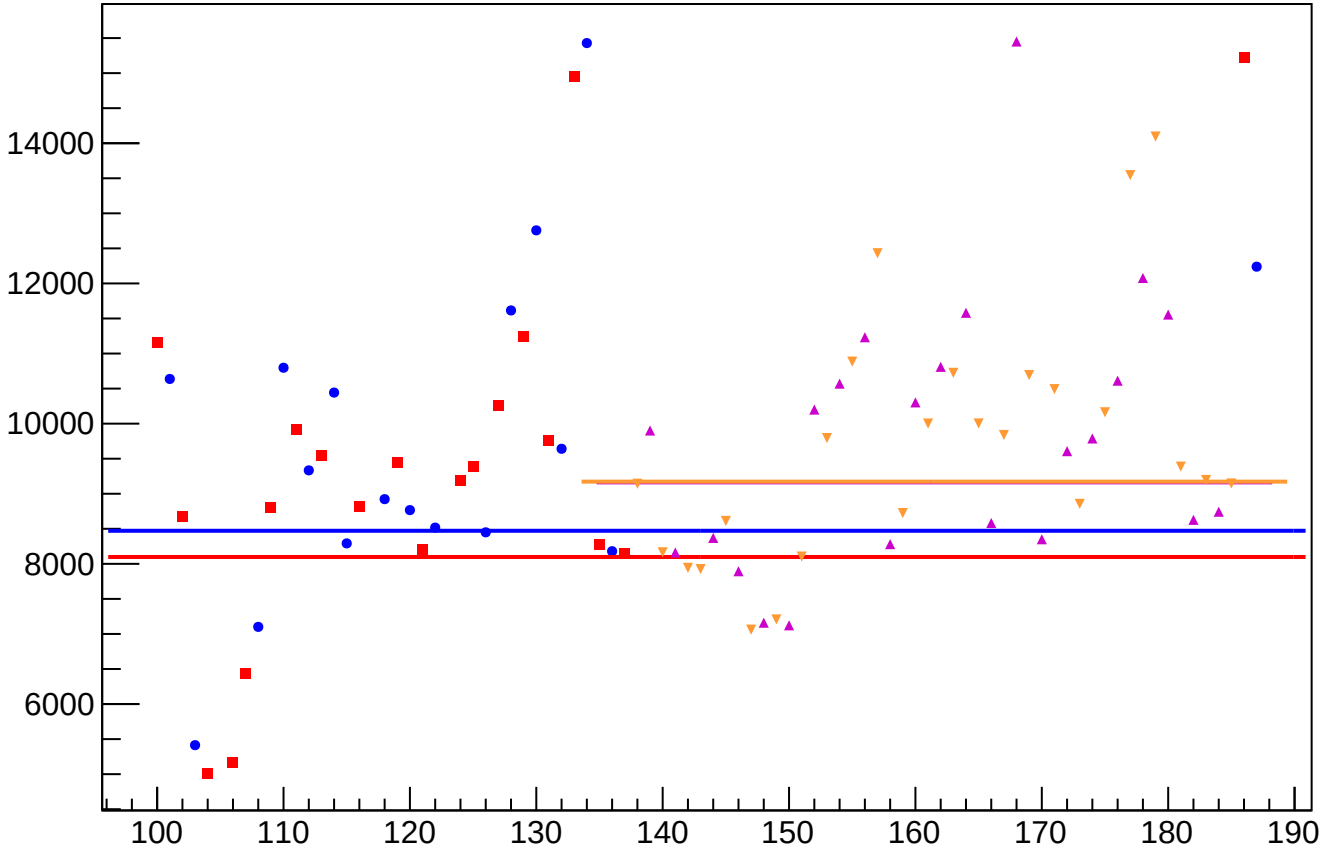
Right: 4925.958+/-2211.401 χ^2/NDF: 34.2/36

In: 4094.202+/-1804.902 χ^2/NDF:30.0/39

Out: 1507.074+/-1742.514 χ^2/NDF:45.4/44

All: 2755.152+/-1253.619 χ^2/NDF: 76.4/84

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8471.765+/-2.276 χ^2/NDF: 917502.1/16

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8097.939+/-2.152 χ^2/NDF: 1198987.8/19

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

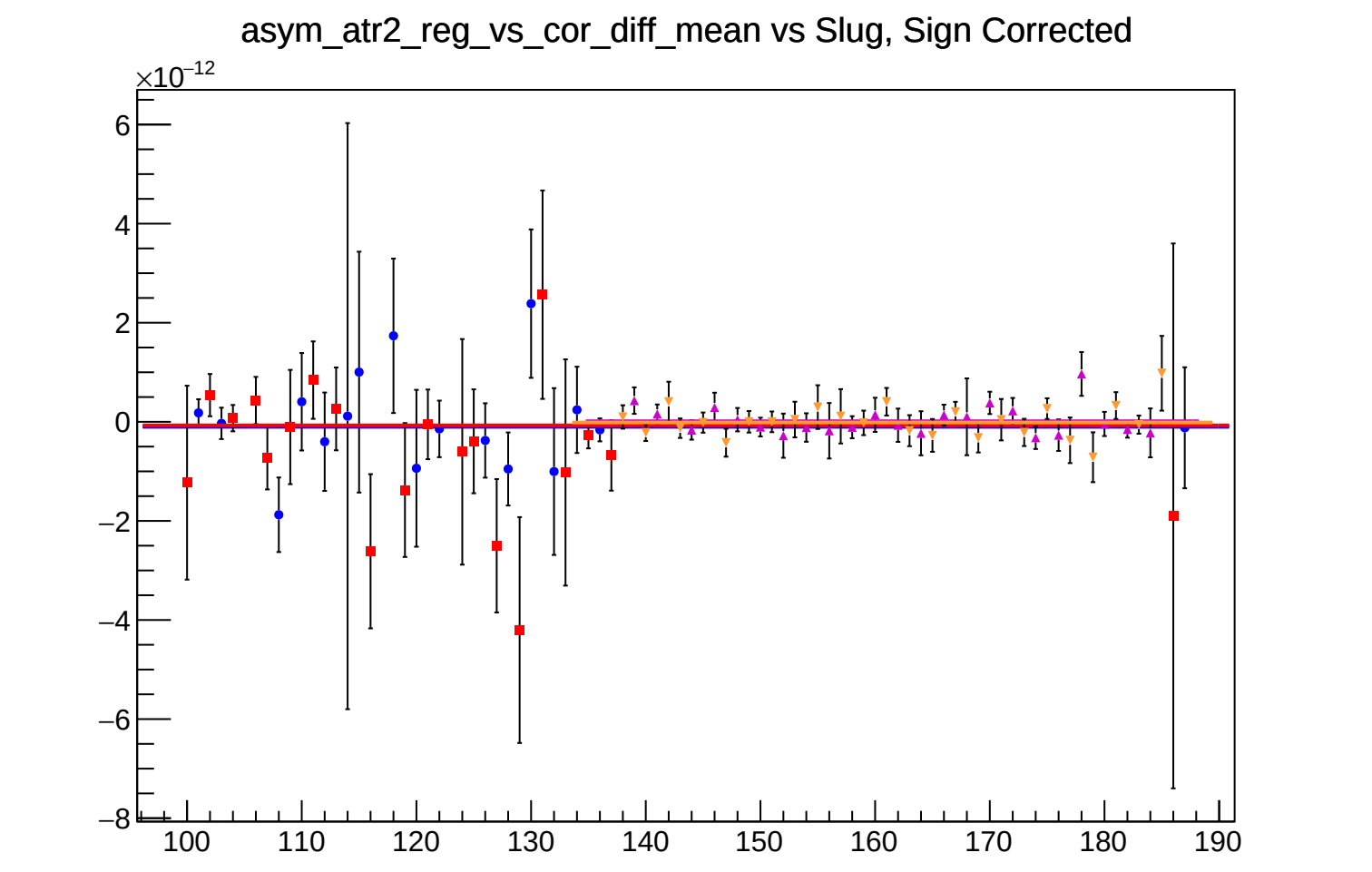
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 8274.382+/-1.564 χ^2/NDF: 2130733.4/36

In: 8945.163+/-1.276 χ^2/NDF:2108136.4/39

Out: 8820.435+/-1.232 χ^2/NDF:2423638.4/44

All: 8880.606+/-0.886 χ^2/NDF: 4536718.3/84



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/19

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

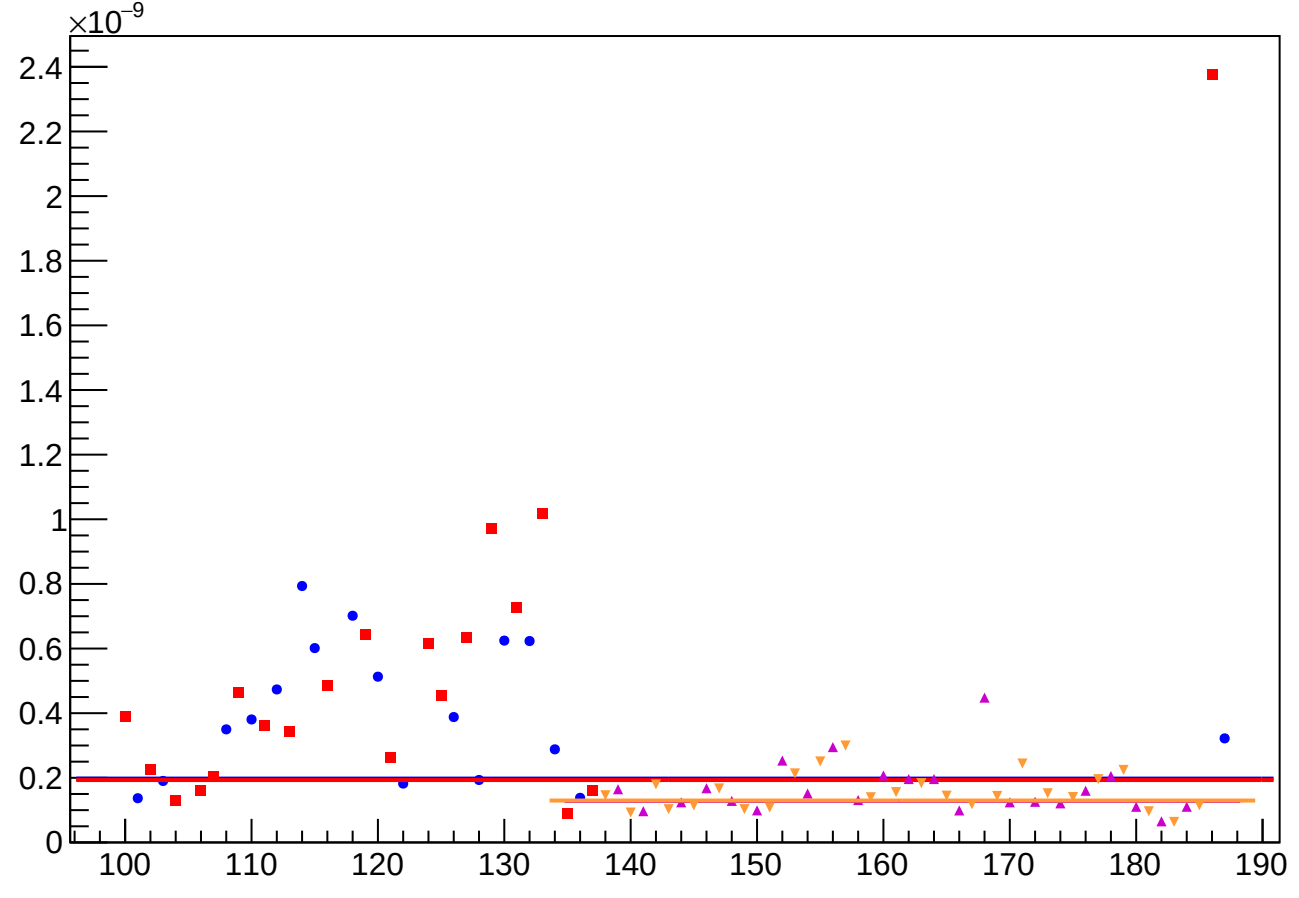
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 33.4/36

In: -0.000+/-0.000 χ^2/NDF:33.4/39

Out: -0.000+/-0.000 χ^2/NDF:39.3/44

All: -0.000+/-0.000 χ^2/NDF: 72.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 1363288.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2381764.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

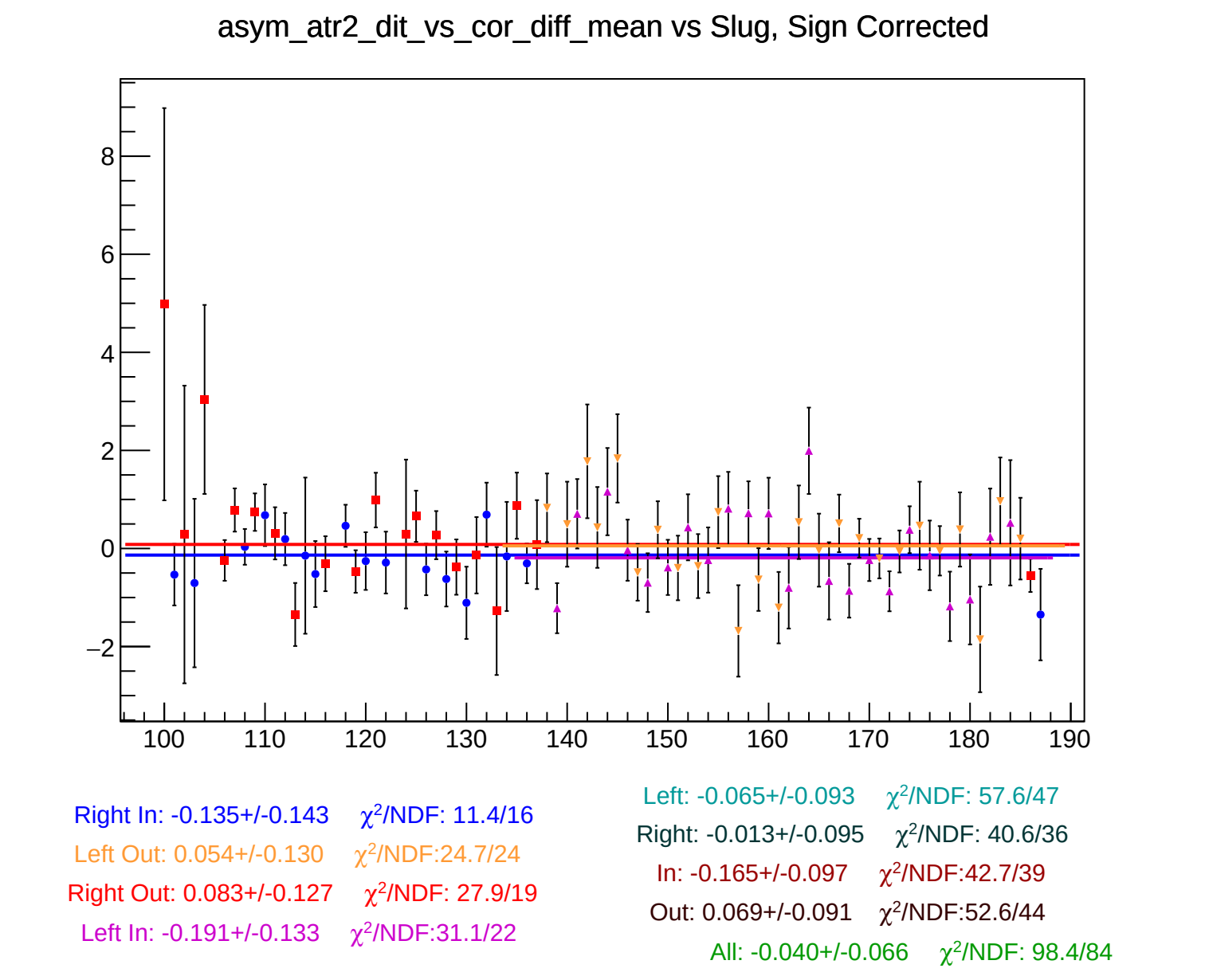
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

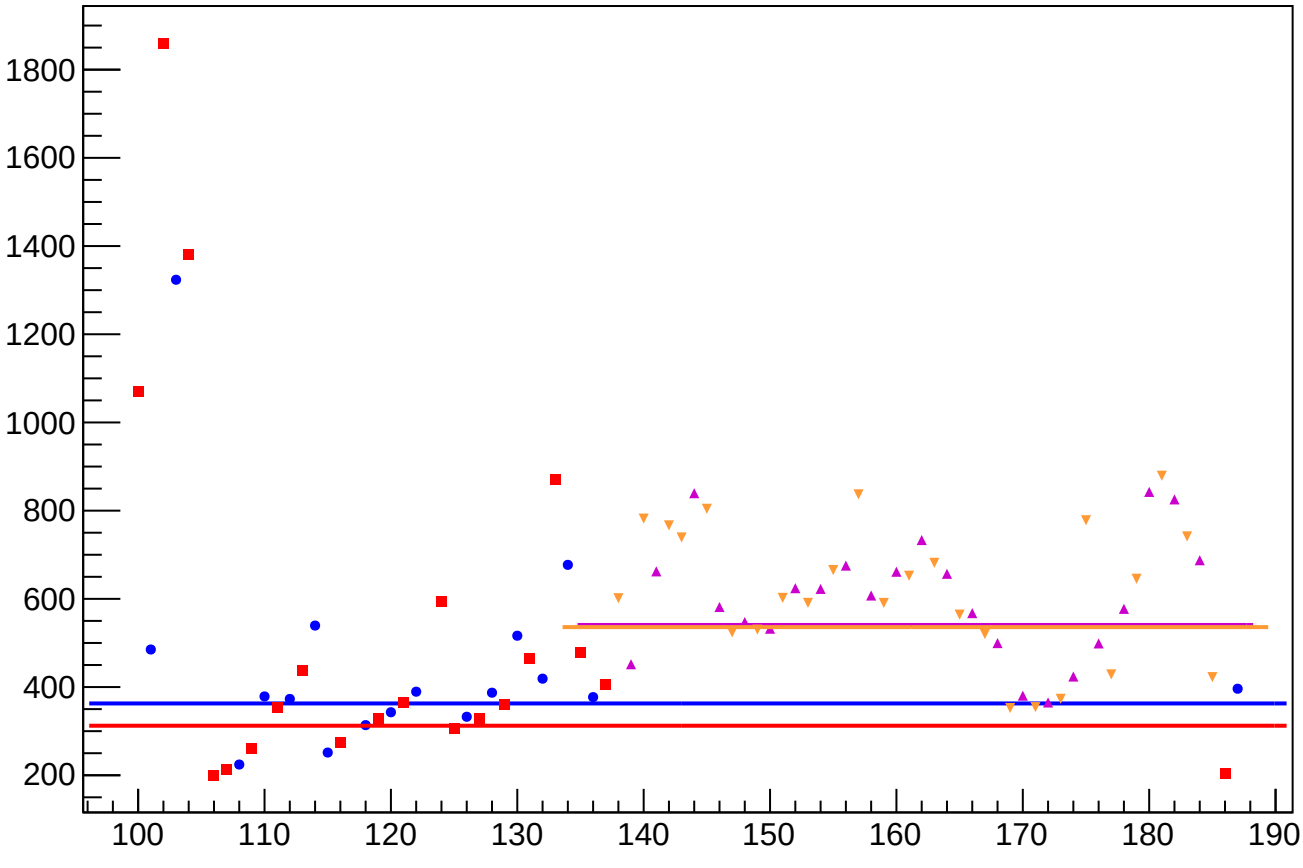
Right: 0.000+/-0.000 χ^2/NDF: 3746145.0/36

In: 0.000+/-0.000 χ^2/NDF:3341837.5/39

Out: 0.000+/-0.000 χ^2/NDF:4134826.6/44

All: 0.000+/-0.000 χ^2/NDF: 7476779.2/84


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.135+/-0.143 χ²/NDF: 11.4/16
Left Out: 0.054+/-0.130 χ²/NDF:24.7/24
Right Out: 0.083+/-0.127 χ²/NDF: 27.9/19
Left In: -0.191+/-0.133 χ²/NDF:31.1/22
Left: -0.065+/-0.093 χ²/NDF: 57.6/47
Right: -0.013+/-0.095 χ²/NDF: 40.6/36
In: -0.165+/-0.097 χ²/NDF:42.7/39
Out: 0.069+/-0.091 χ²/NDF:52.6/44
All: -0.040+/-0.066 χ²/NDF: 98.4/84



Right In: 362.839+/-0.101 χ^2/NDF: 1379950.0/16

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 312.318+/-0.090 χ^2/NDF: 2482444.0/19

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

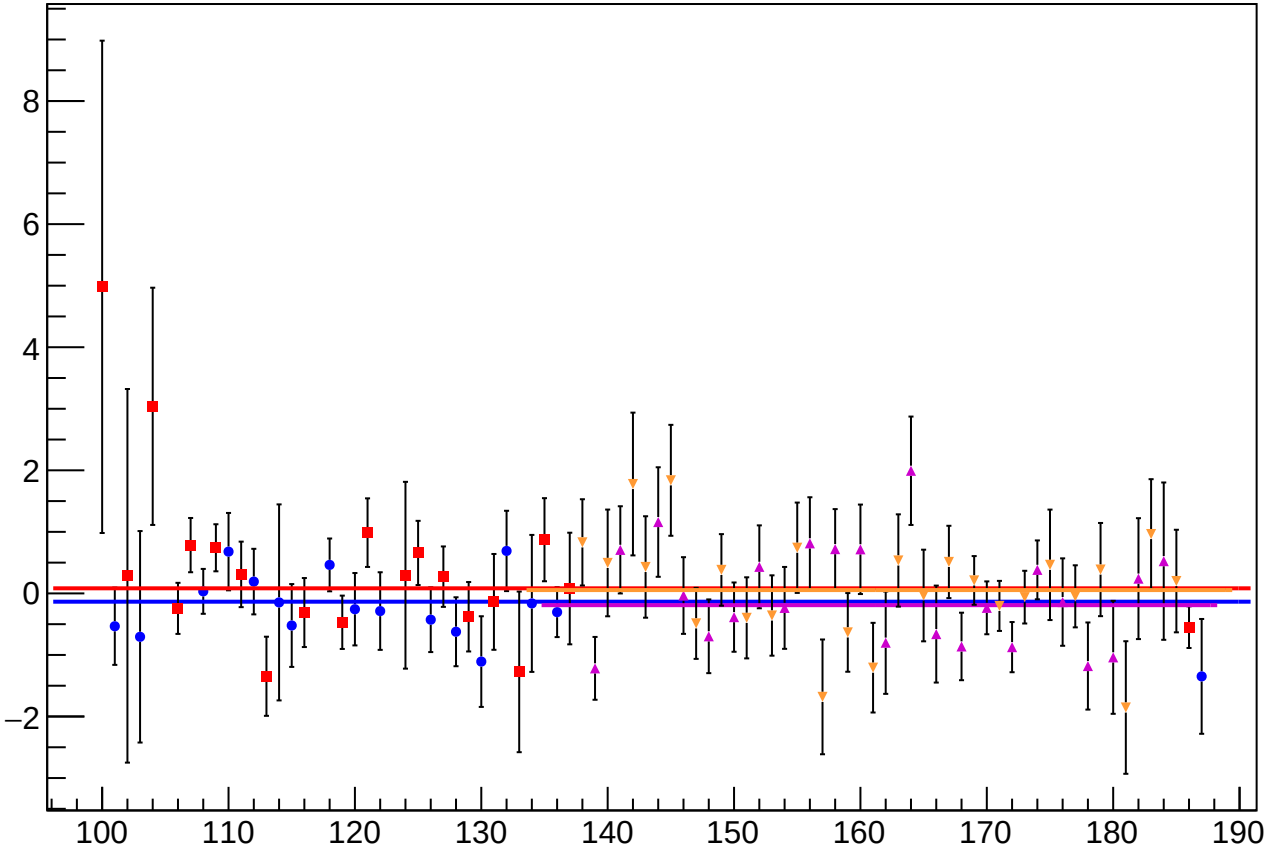
Right: 334.659+/-0.067 χ^2/NDF: 4001687.6/36

In: 458.157+/-0.069 χ^2/NDF:4944576.4/39

Out: 422.219+/-0.064 χ^2/NDF:8265117.1/44

All: 438.920+/-0.047 χ^2/NDF: 13355343.4/84

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.083+/-0.127 χ^2/NDF: 27.9/19

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

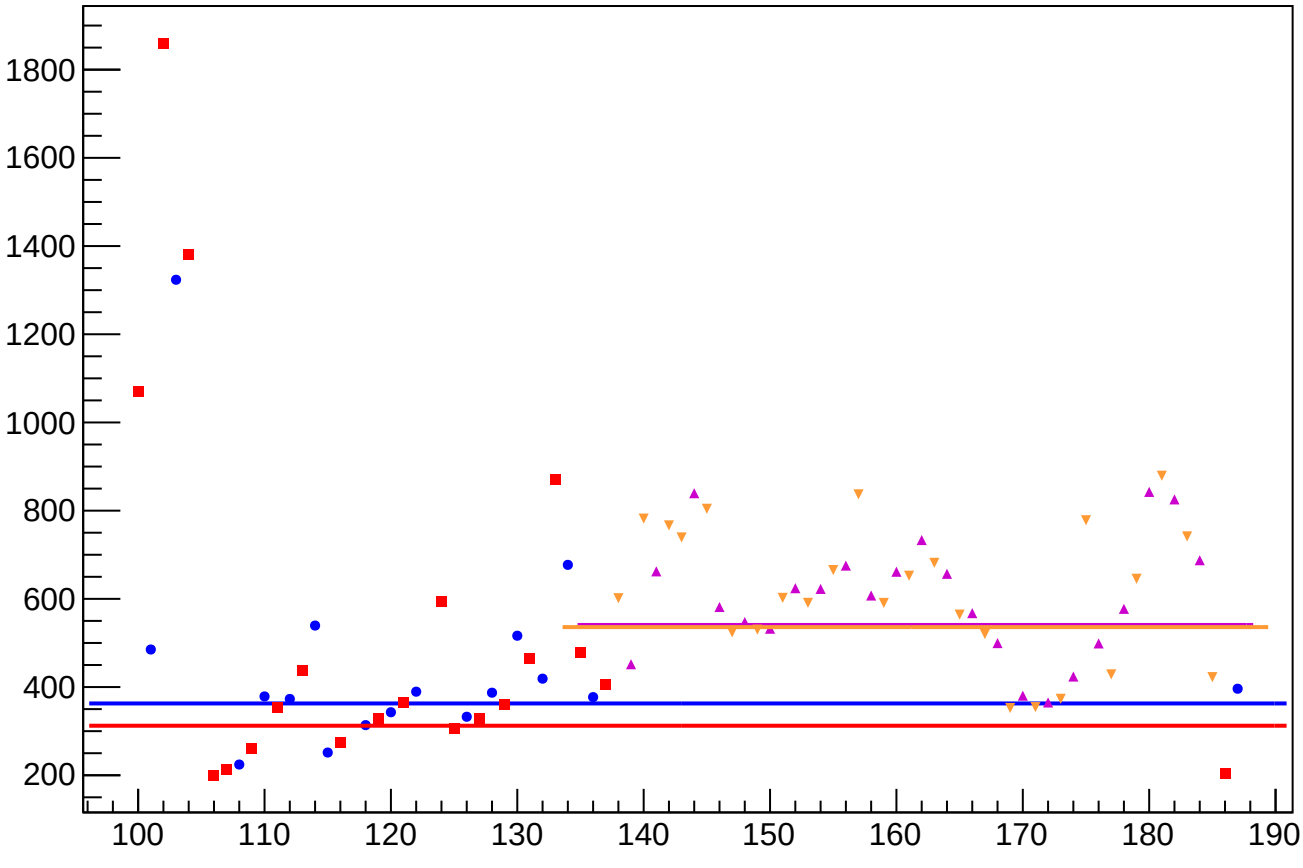
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.013+/-0.095 χ^2/NDF: 40.6/36

In: -0.165+/-0.097 χ^2/NDF:42.7/39

Out: 0.069+/-0.091 χ^2/NDF:52.6/44

All: -0.040+/-0.066 χ^2/NDF: 98.4/84



Right In: 362.839+/-0.101 χ^2/NDF: 1379950.0/16

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 312.318+/-0.090 χ^2/NDF: 2482444.0/19

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

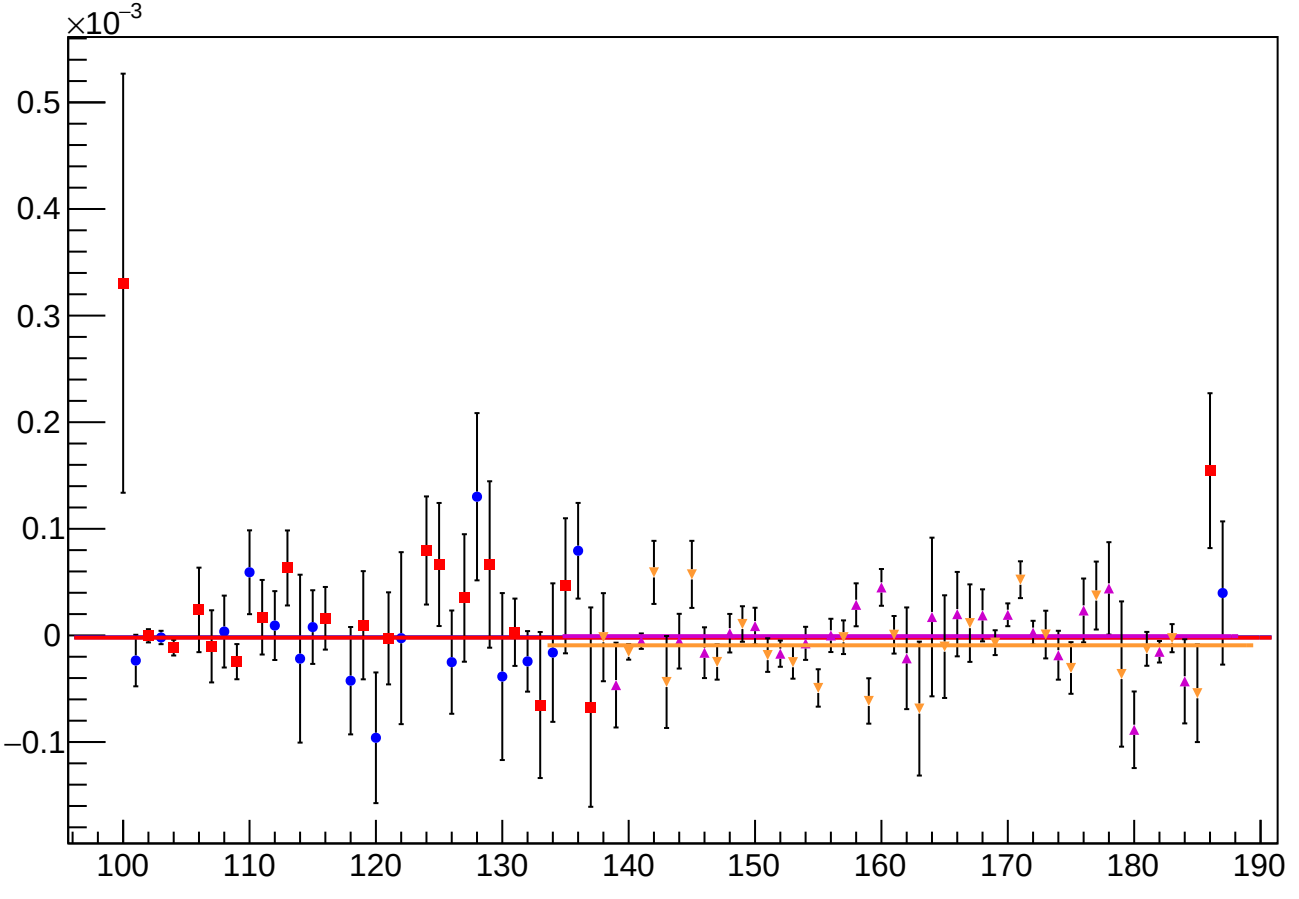
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 334.659+/-0.067 χ^2/NDF: 4001687.6/36

In: 458.157+/-0.069 χ^2/NDF:4944576.4/39

Out: 422.219+/-0.064 χ^2/NDF:8265117.1/44

All: 438.920+/-0.047 χ^2/NDF: 13355343.4/84



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/19

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

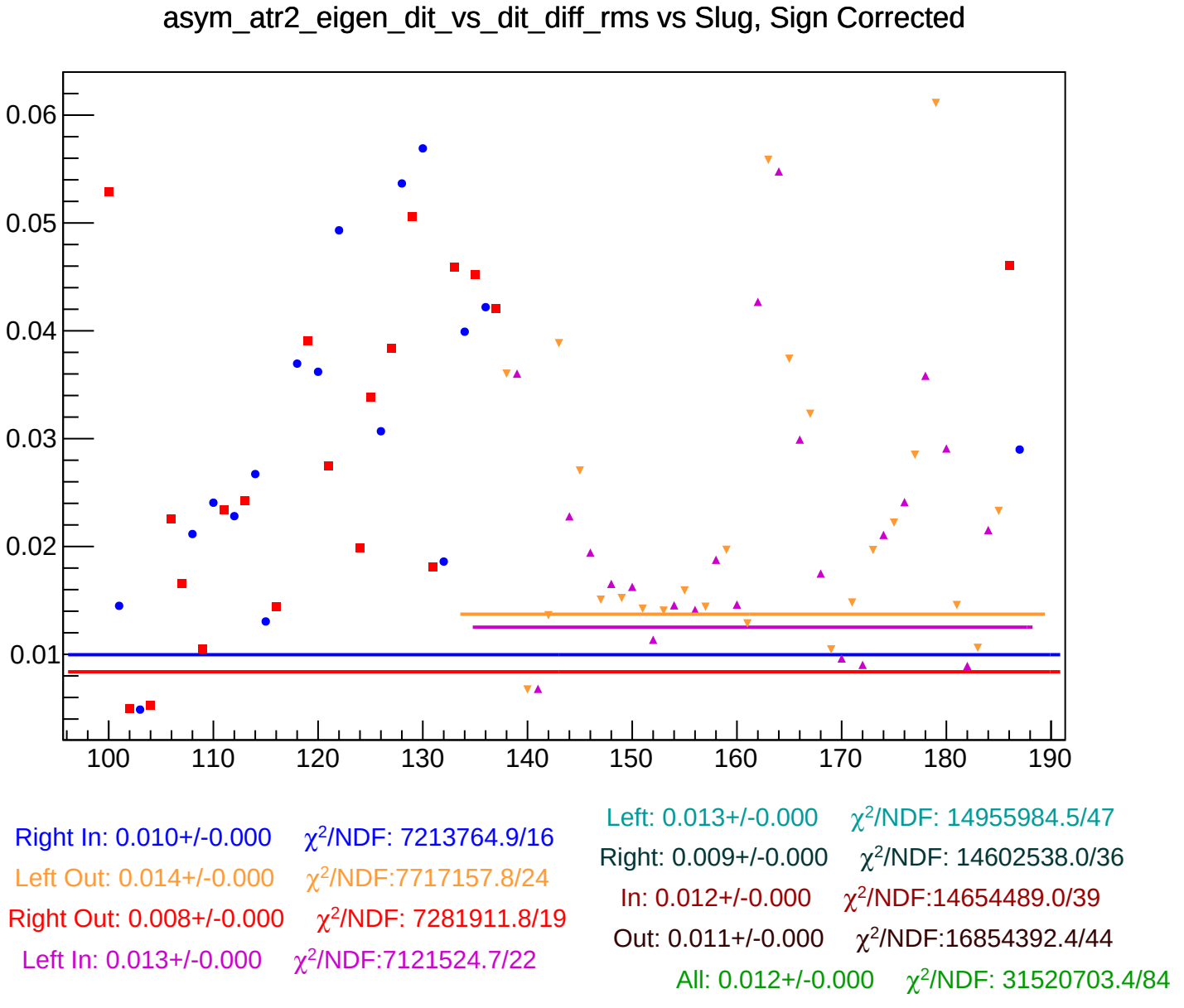
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 37.0/36

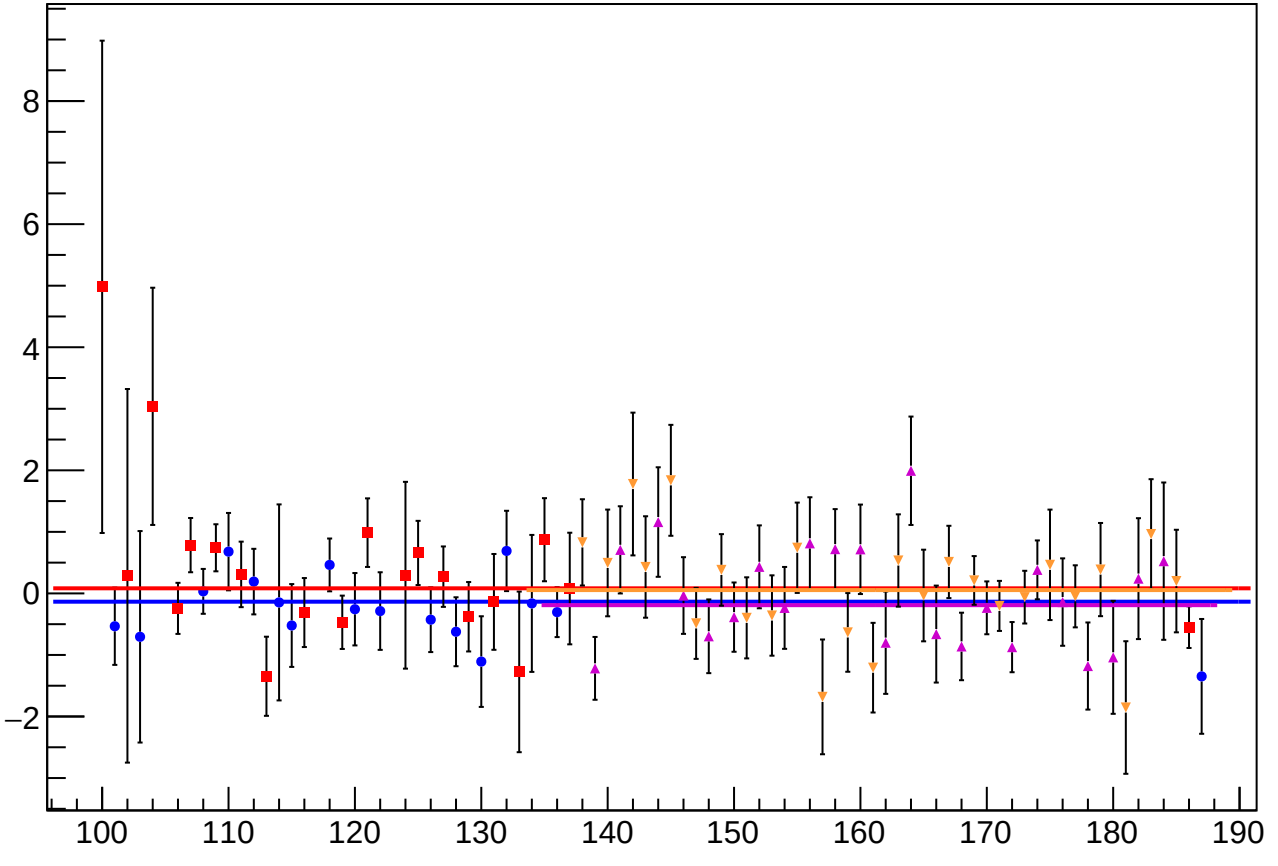
In: -0.000+/-0.000 χ^2/NDF:44.2/39

Out: -0.000+/-0.000 χ^2/NDF:69.7/44

All: -0.000+/-0.000 χ^2/NDF: 115.6/84


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.010+/-0.000 χ²/NDF: 7213764.9/16
Left Out: 0.014+/-0.000 χ²/NDF:7717157.8/24
Right Out: 0.008+/-0.000 χ²/NDF: 7281911.8/19
Left In: 0.013+/-0.000 χ²/NDF:7121524.7/22
Left: 0.013+/-0.000 χ²/NDF: 14955984.5/47
Right: 0.009+/-0.000 χ²/NDF: 14602538.0/36
In: 0.012+/-0.000 χ²/NDF:14654489.0/39
Out: 0.011+/-0.000 χ²/NDF:16854392.4/44
All: 0.012+/-0.000 χ²/NDF: 31520703.4/84

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.083+/-0.127 χ^2/NDF: 27.9/19

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

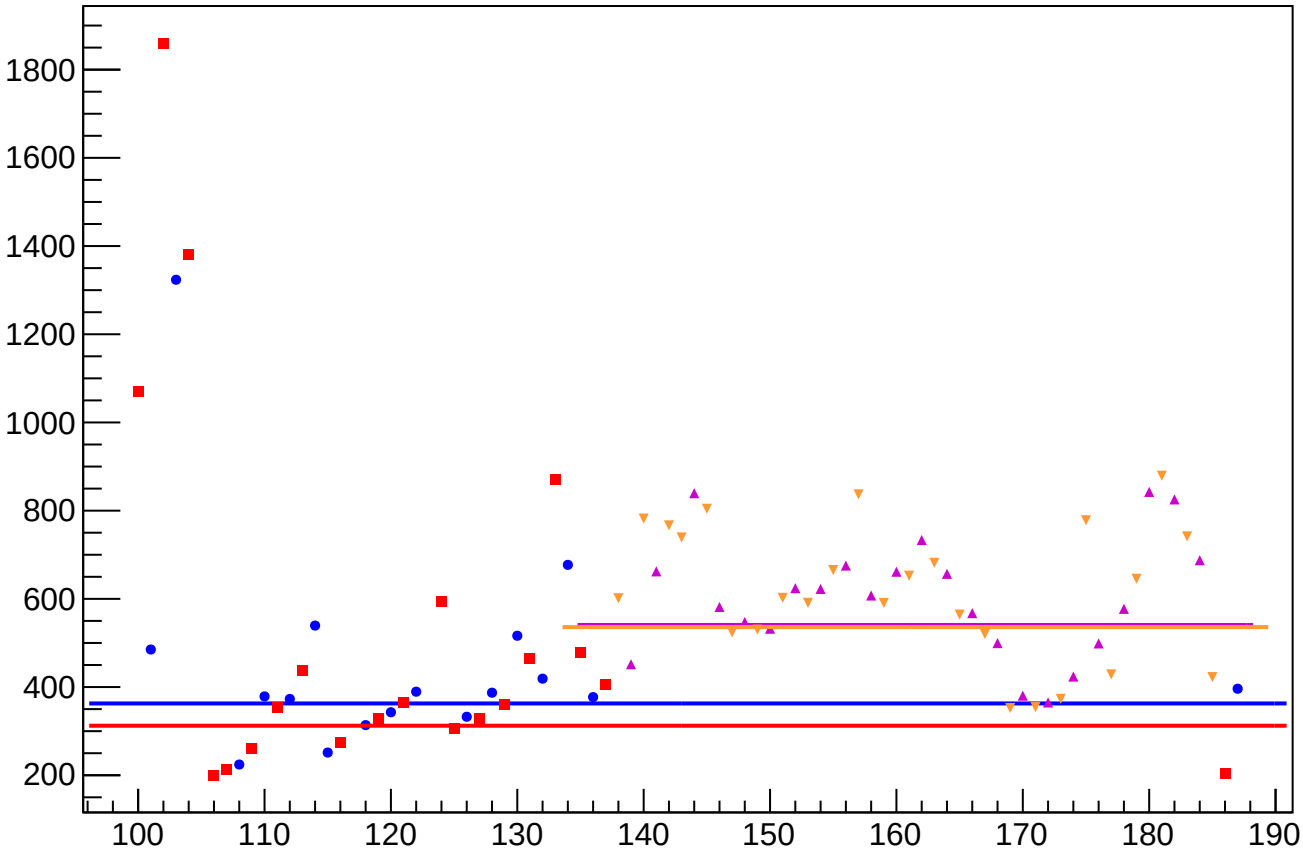
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.013+/-0.095 χ^2/NDF: 40.6/36

In: -0.165+/-0.097 χ^2/NDF:42.7/39

Out: 0.069+/-0.091 χ^2/NDF:52.6/44

All: -0.040+/-0.066 χ^2/NDF: 98.4/84



Right In: 362.837+/-0.101 χ^2/NDF: 1379952.0/16

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 312.319+/-0.090 χ^2/NDF: 2482374.4/19

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

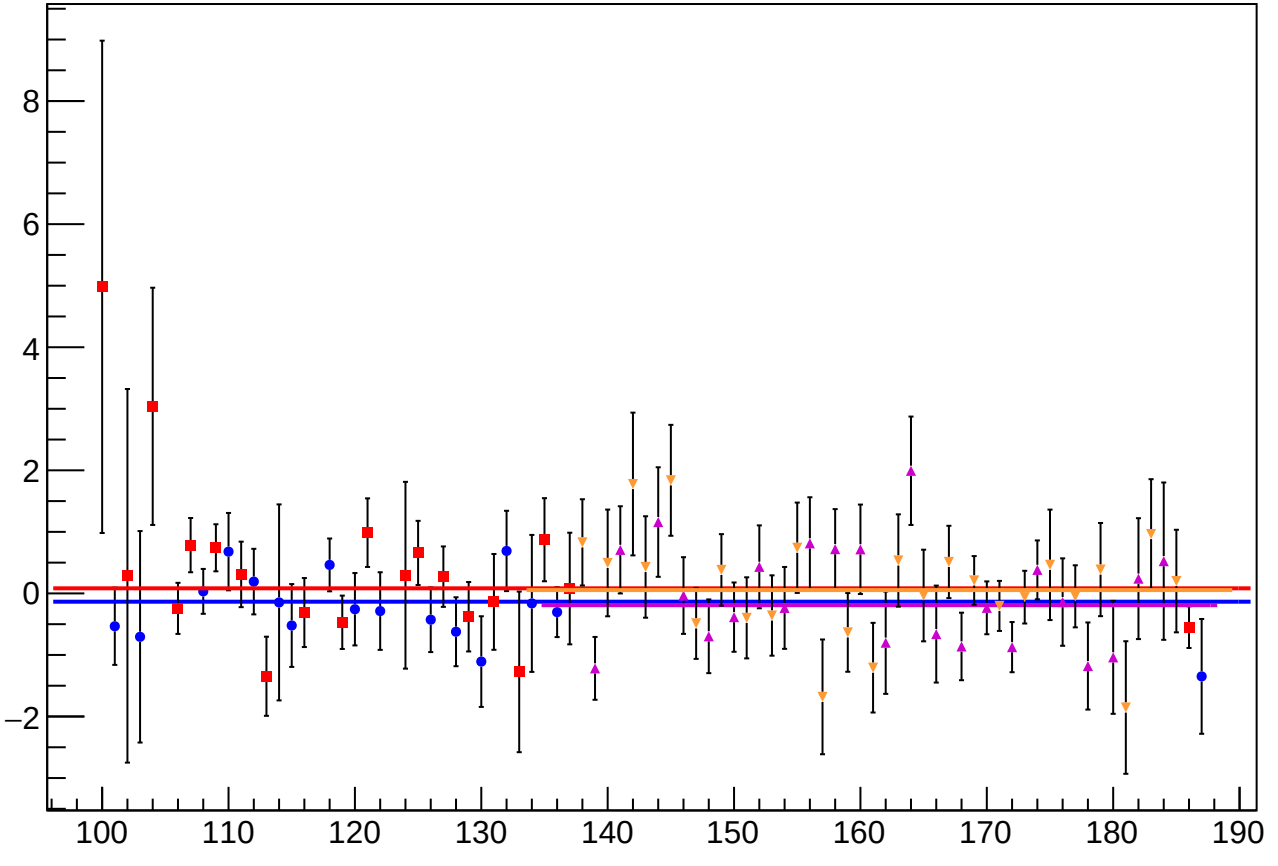
Right: 334.659+/-0.067 χ^2/NDF: 4001595.6/36

In: 458.157+/-0.069 χ^2/NDF:4944762.2/39

Out: 422.221+/-0.064 χ^2/NDF:8265168.8/44

All: 438.921+/-0.047 χ^2/NDF: 13355559.5/84

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.083+/-0.127 χ^2/NDF: 27.9/19

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

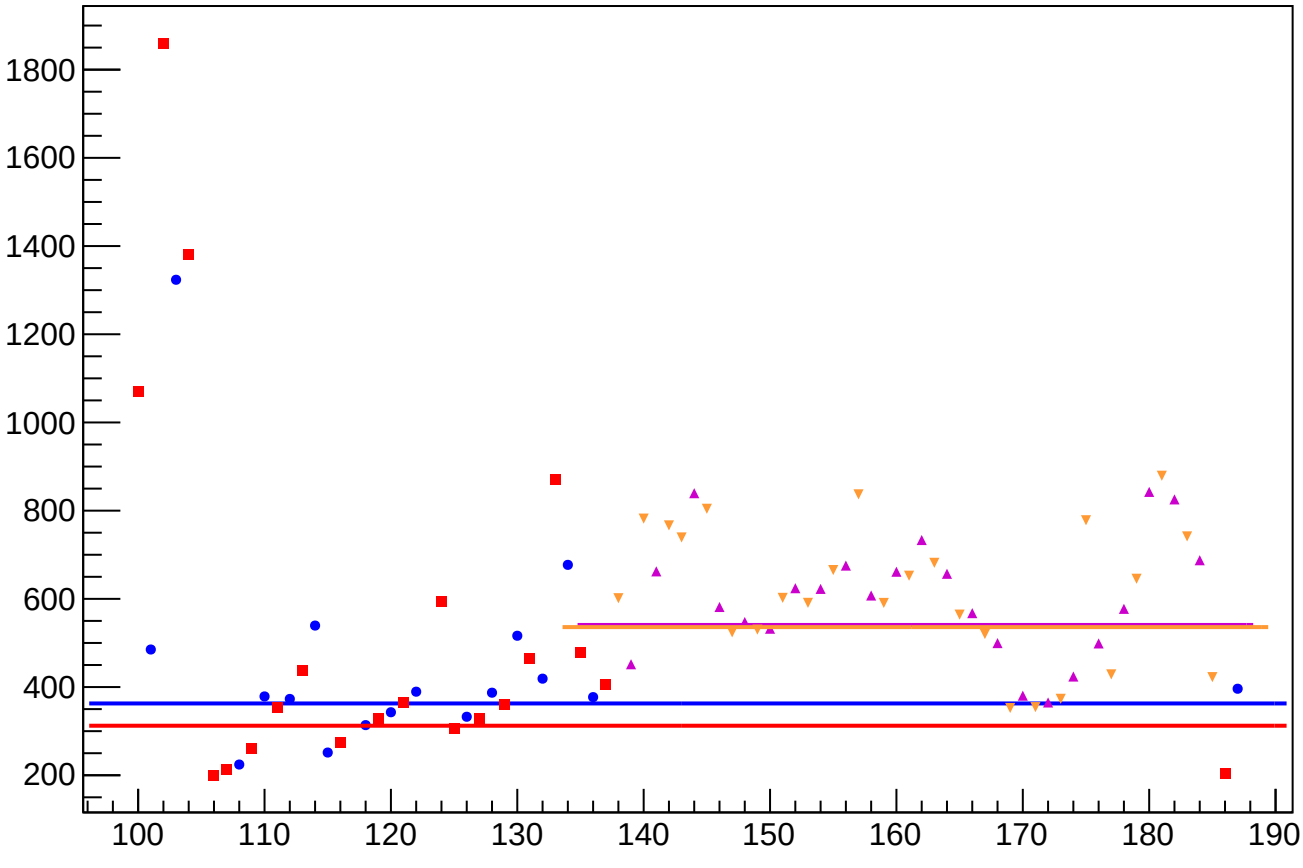
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.013+/-0.095 χ^2/NDF: 40.6/36

In: -0.165+/-0.097 χ^2/NDF:42.7/39

Out: 0.069+/-0.091 χ^2/NDF:52.6/44

All: -0.040+/-0.066 χ^2/NDF: 98.4/84



Right In: 362.837+/-0.101 χ^2/NDF: 1379952.0/16

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 312.319+/-0.090 χ^2/NDF: 2482374.4/19

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

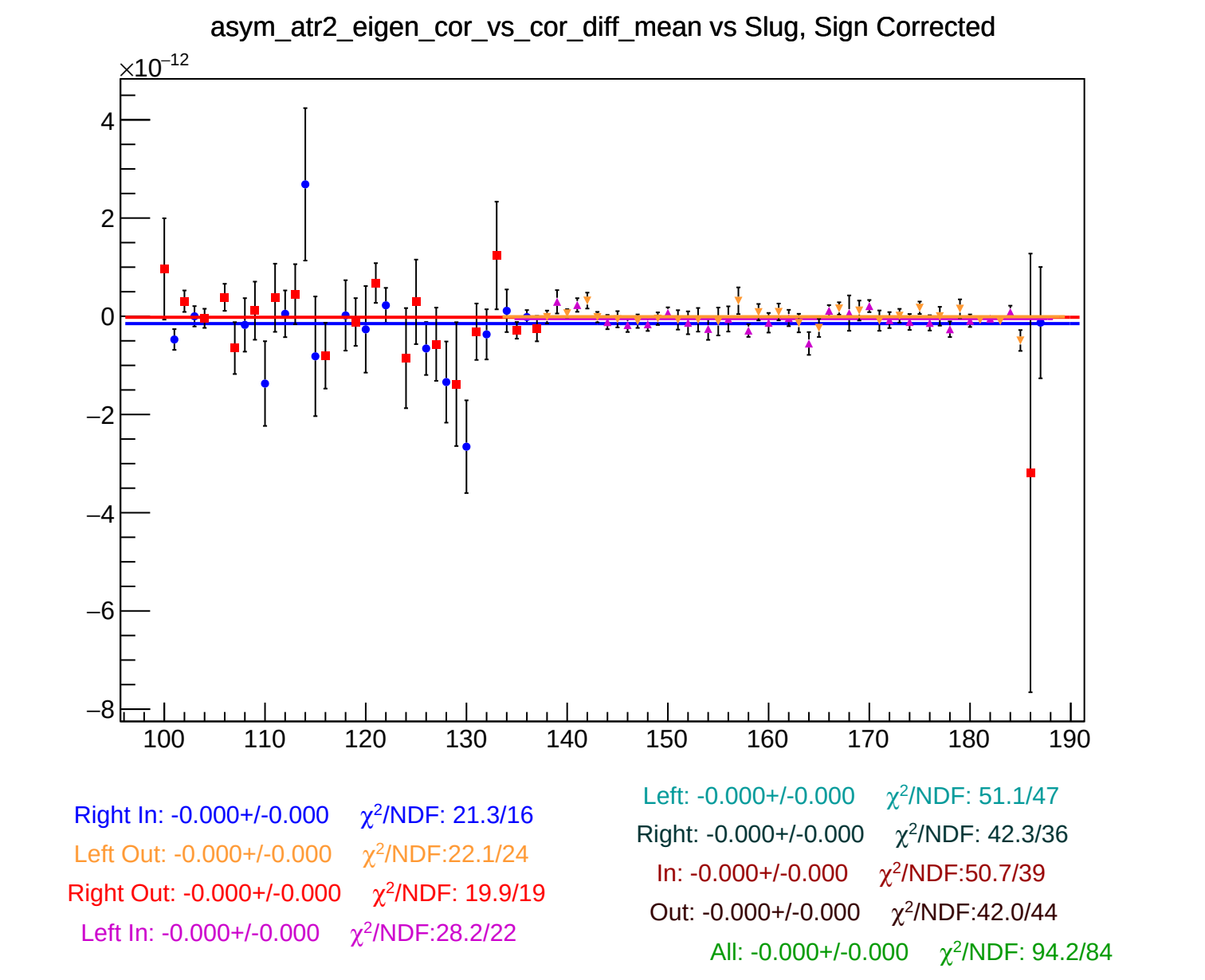
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

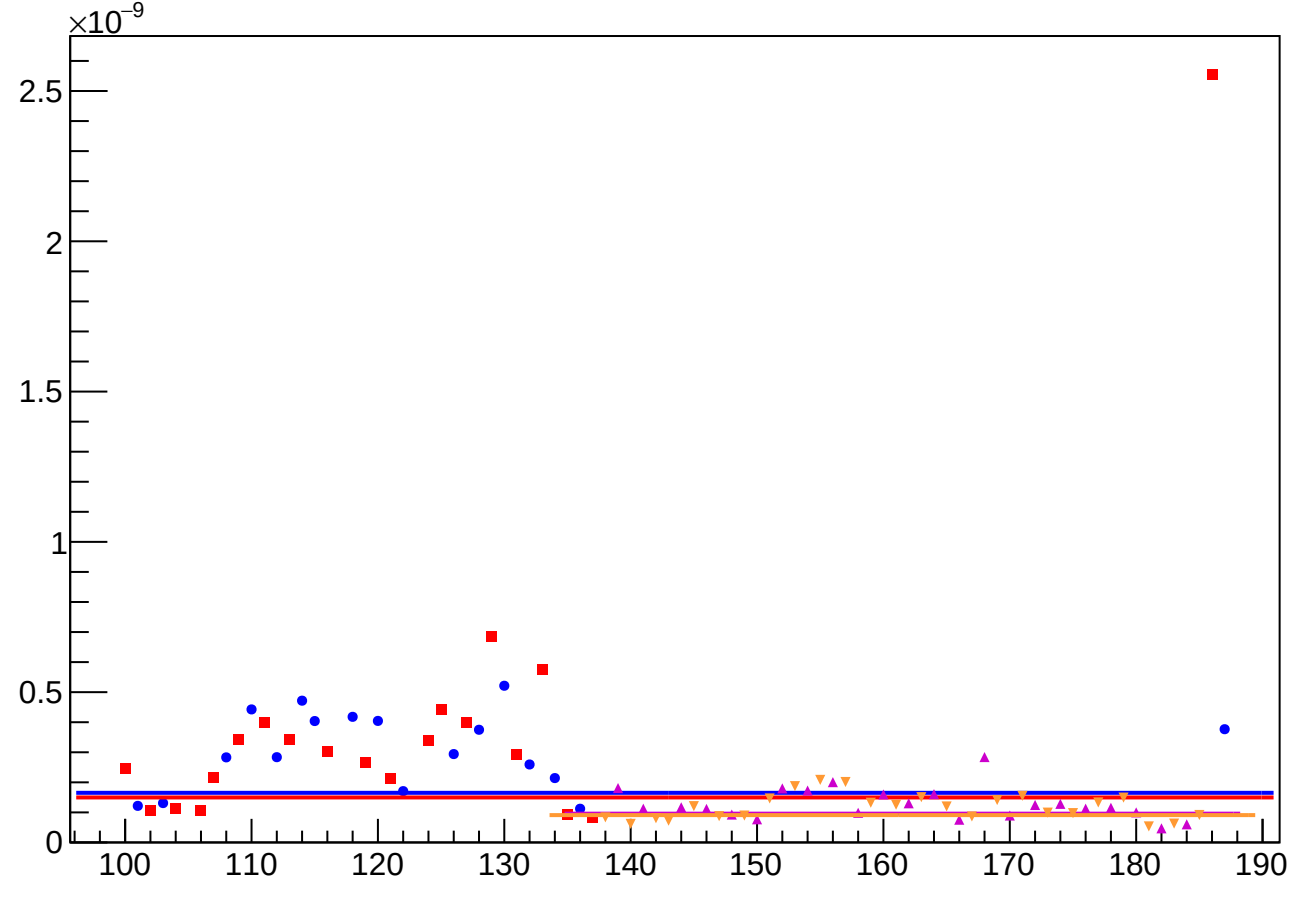
Right: 334.659+/-0.067 χ^2/NDF: 4001595.6/36

In: 458.157+/-0.069 χ^2/NDF:4944762.2/39

Out: 422.221+/-0.064 χ^2/NDF:8265168.8/44

All: 438.921+/-0.047 χ^2/NDF: 13355559.5/84


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.3/16
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.9/19
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 42.3/36
In: -0.000+/-0.000 χ²/NDF:50.7/39
Out: -0.000+/-0.000 χ²/NDF:42.0/44
All: -0.000+/-0.000 χ²/NDF: 94.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 2081364.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3426341.1/19

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

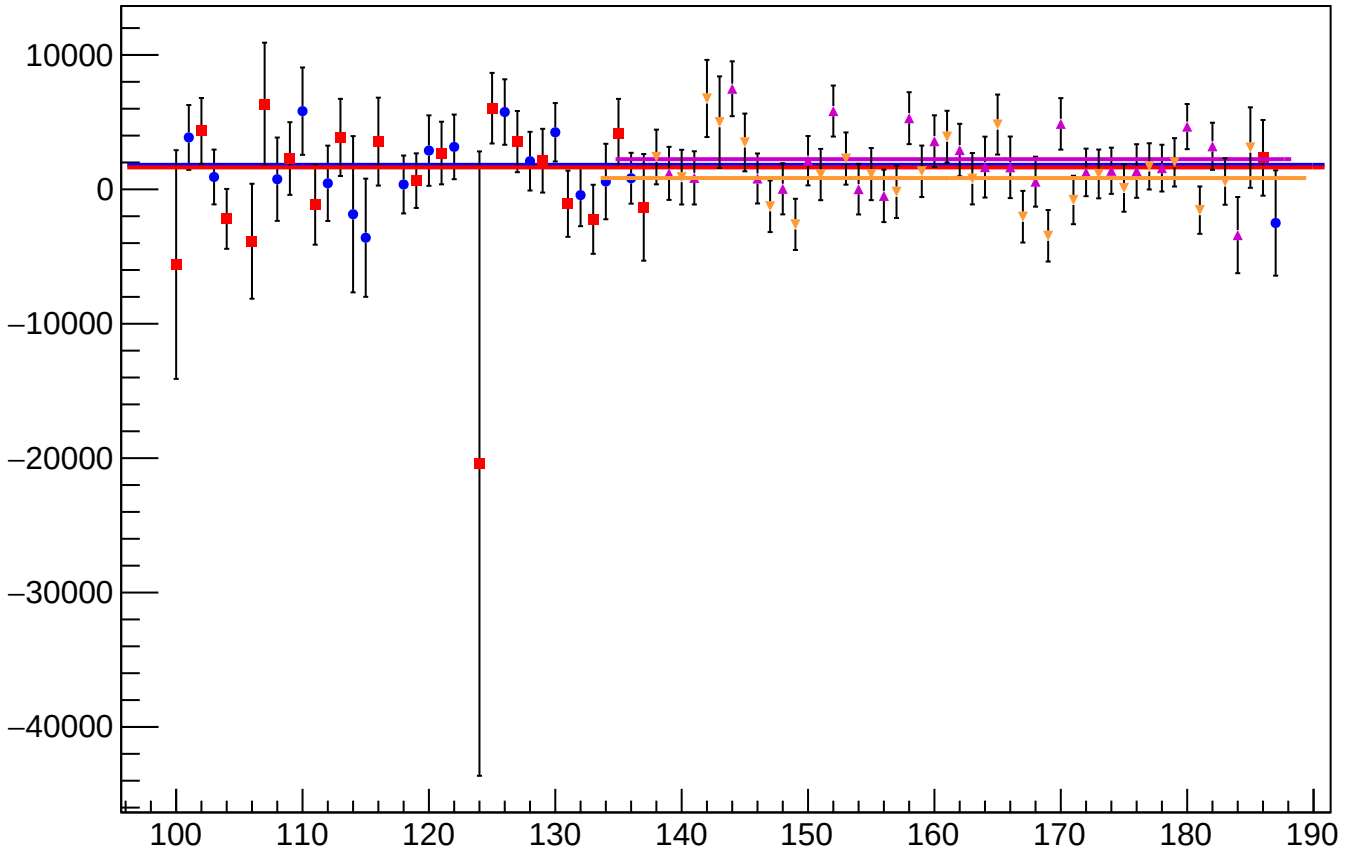
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 5540469.3/36

In: 0.000+/-0.000 χ^2/NDF:7129194.9/39

Out: 0.000+/-0.000 χ^2/NDF:7685763.9/44

All: 0.000+/-0.000 χ^2/NDF: 14865042.6/84



Right In: 1823.742+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1634.911+/-626.135 χ^2/NDF: 19.5/19

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

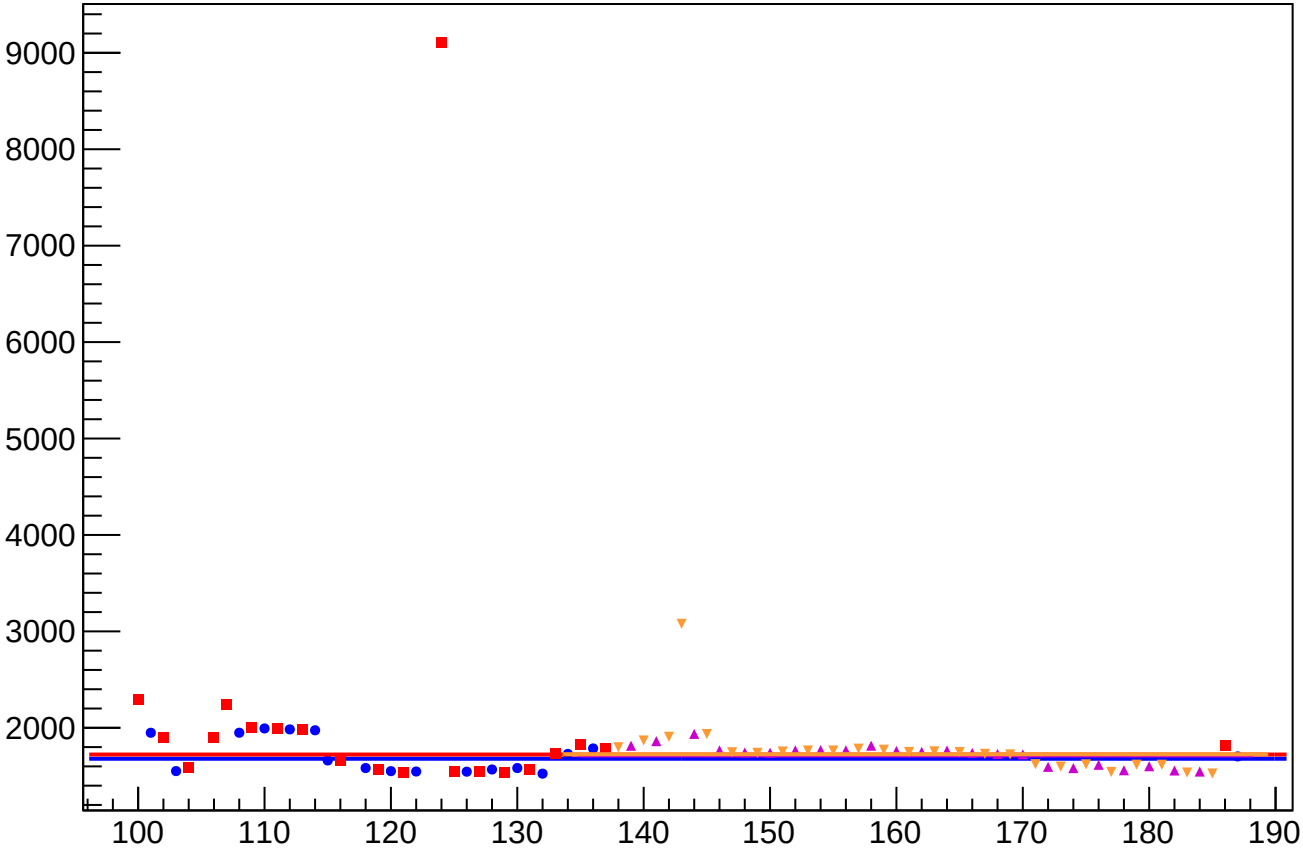
Right: 1730.261+/-440.548 χ^2/NDF: 31.6/36

In: 2120.883+/-336.560 χ^2/NDF:41.9/39

Out: 1066.966+/-333.741 χ^2/NDF:51.0/44

All: 1589.491+/-236.981 χ^2/NDF: 97.8/84

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1679.164+/-0.438 χ^2/NDF: 141560.7/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1722.893+/-0.441 χ^2/NDF: 385276.6/19

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

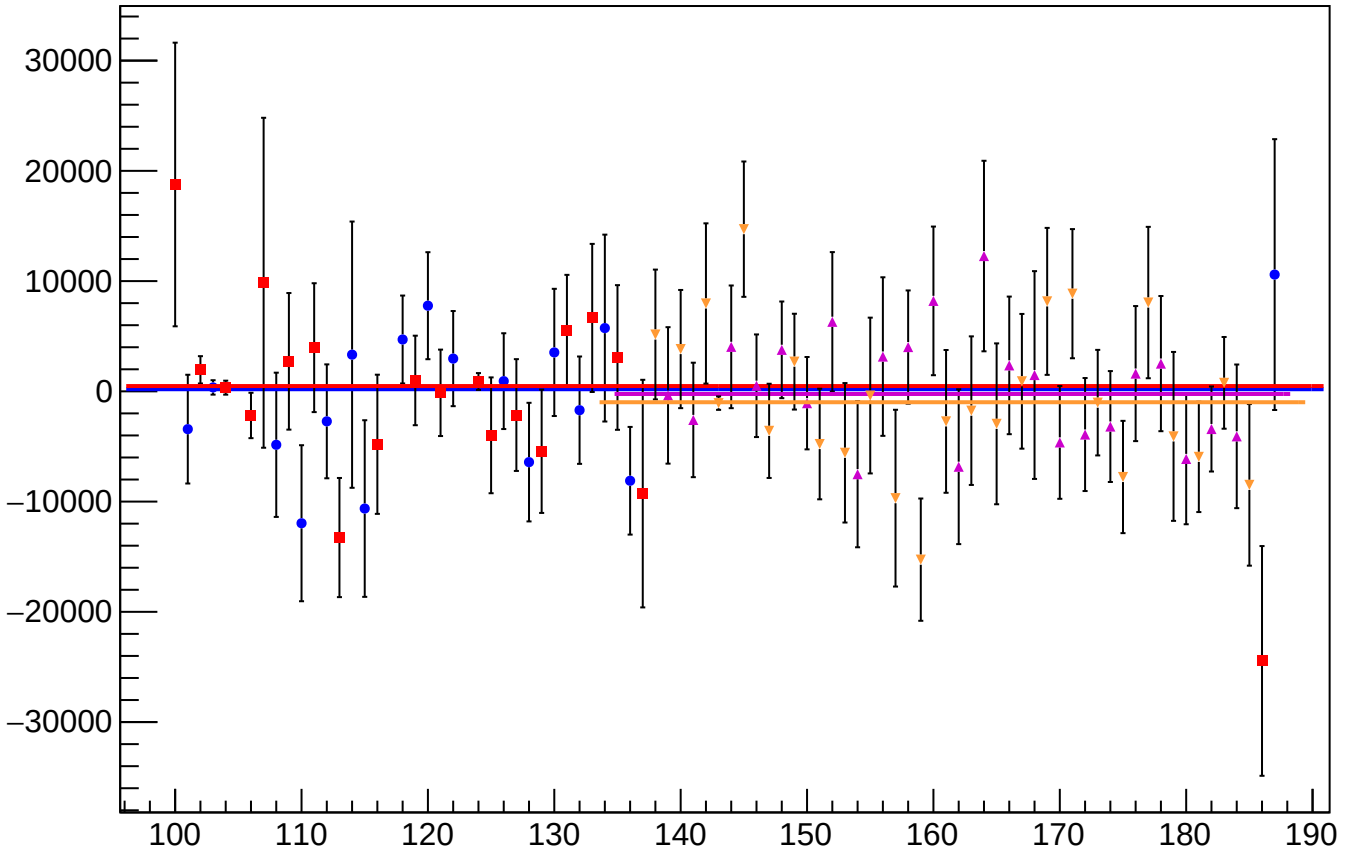
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1700.910+/-0.311 χ^2/NDF: 531785.6/36

In: 1703.138+/-0.238 χ^2/NDF:275091.9/39

Out: 1725.153+/-0.236 χ^2/NDF:840244.2/44

All: 1714.252+/-0.167 χ^2/NDF: 1119656.3/84



Right In: 192.407+/-590.922 χ^2/NDF: 16.5/16

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 479.643+/-424.430 χ^2/NDF: 24.3/19

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

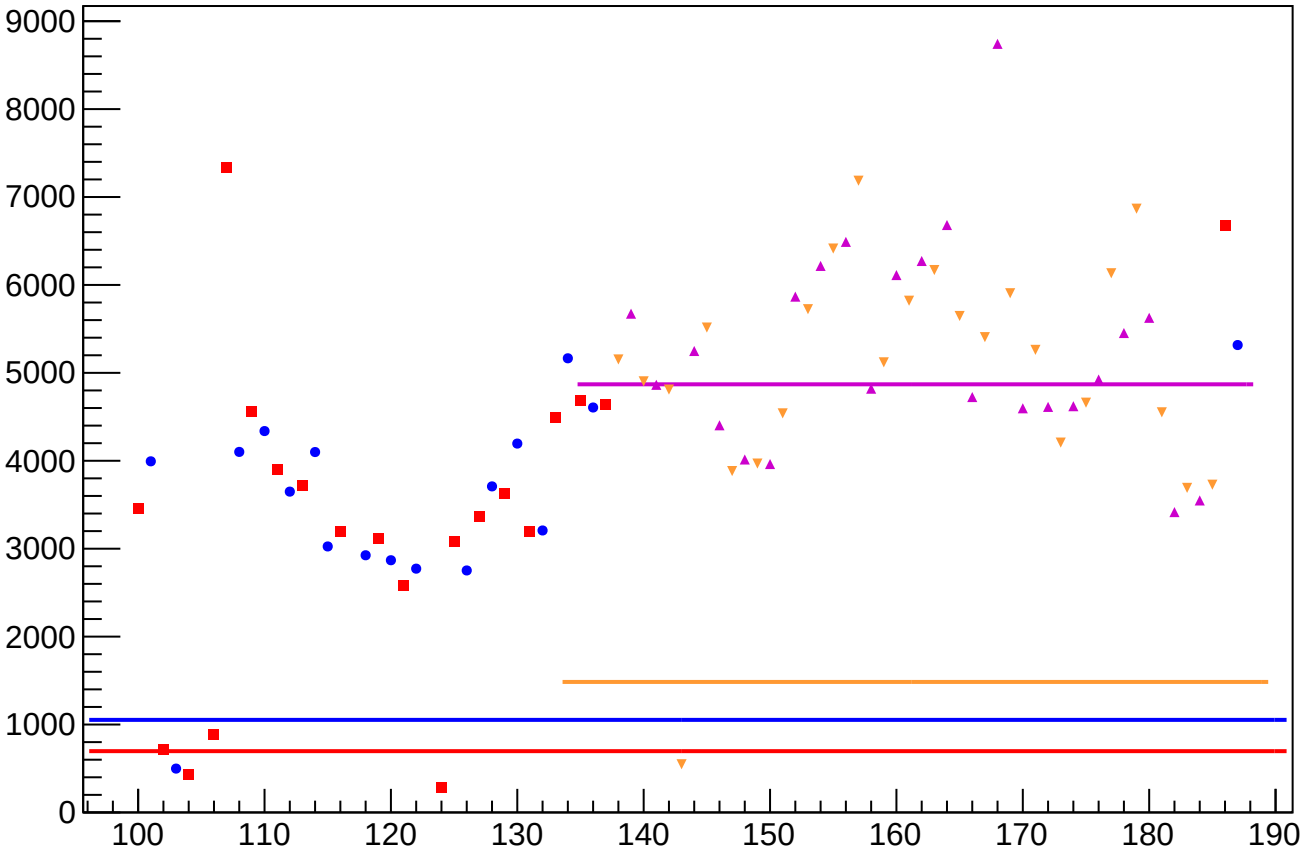
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 381.891+/-344.725 χ^2/NDF: 41.0/36

In: 104.013+/-527.008 χ^2/NDF:30.2/39

Out: -79.052+/-333.988 χ^2/NDF:59.6/44

All: -26.596+/-282.107 χ^2/NDF: 89.9/84



Right In: 1053.007+/-0.418 χ^2/NDF: 8353413.0/16

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 697.265+/-0.300 χ^2/NDF: 9290970.6/19

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

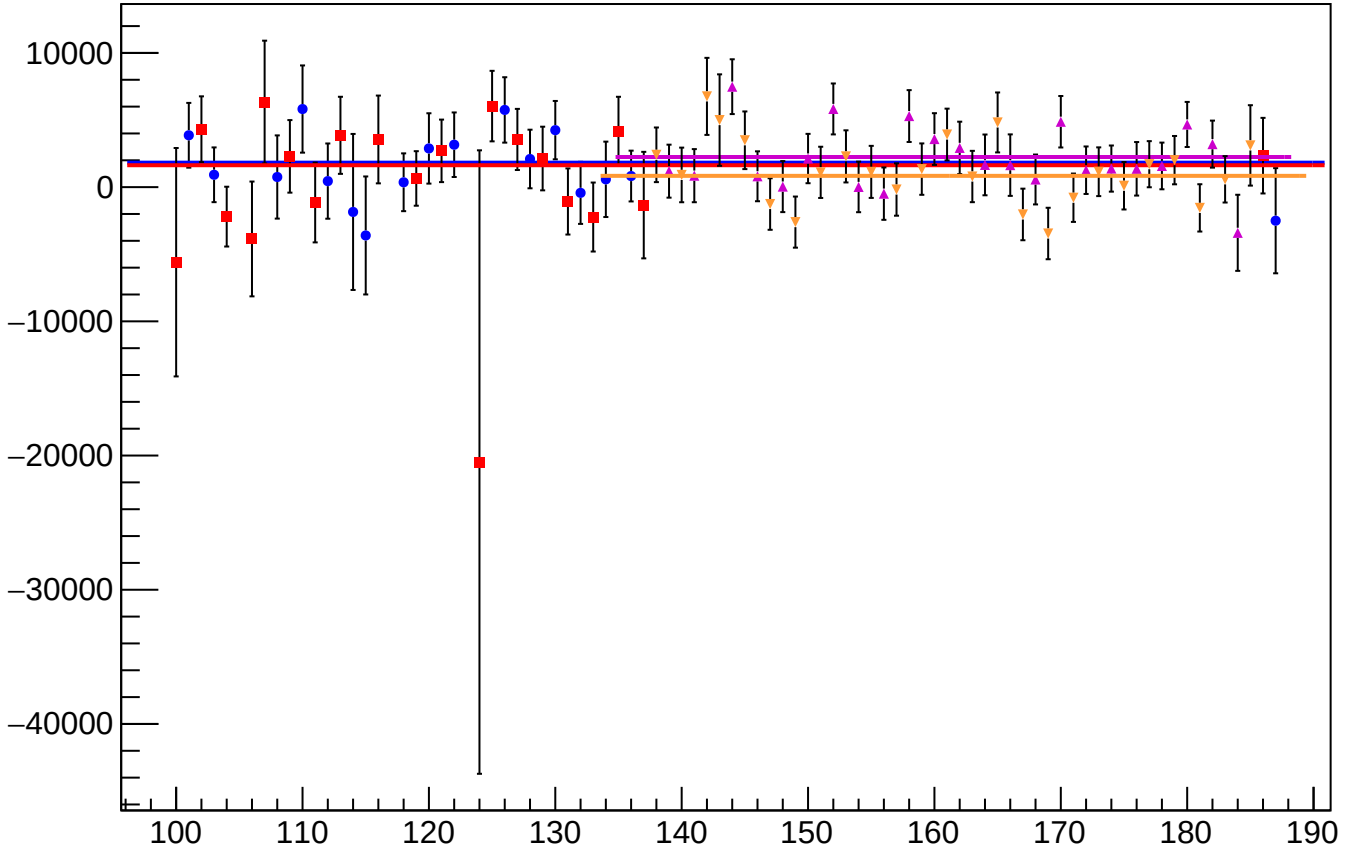
Right: 818.331+/-0.244 χ^2/NDF: 18122546.4/36

In: 1833.981+/-0.373 χ^2/NDF:26900021.4/39

Out: 997.047+/-0.236 χ^2/NDF:35136286.6/44

All: 1236.867+/-0.199 χ^2/NDF: 65634991.2/8

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1823.846+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1632.582+/-626.140 χ^2/NDF: 19.4/19

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

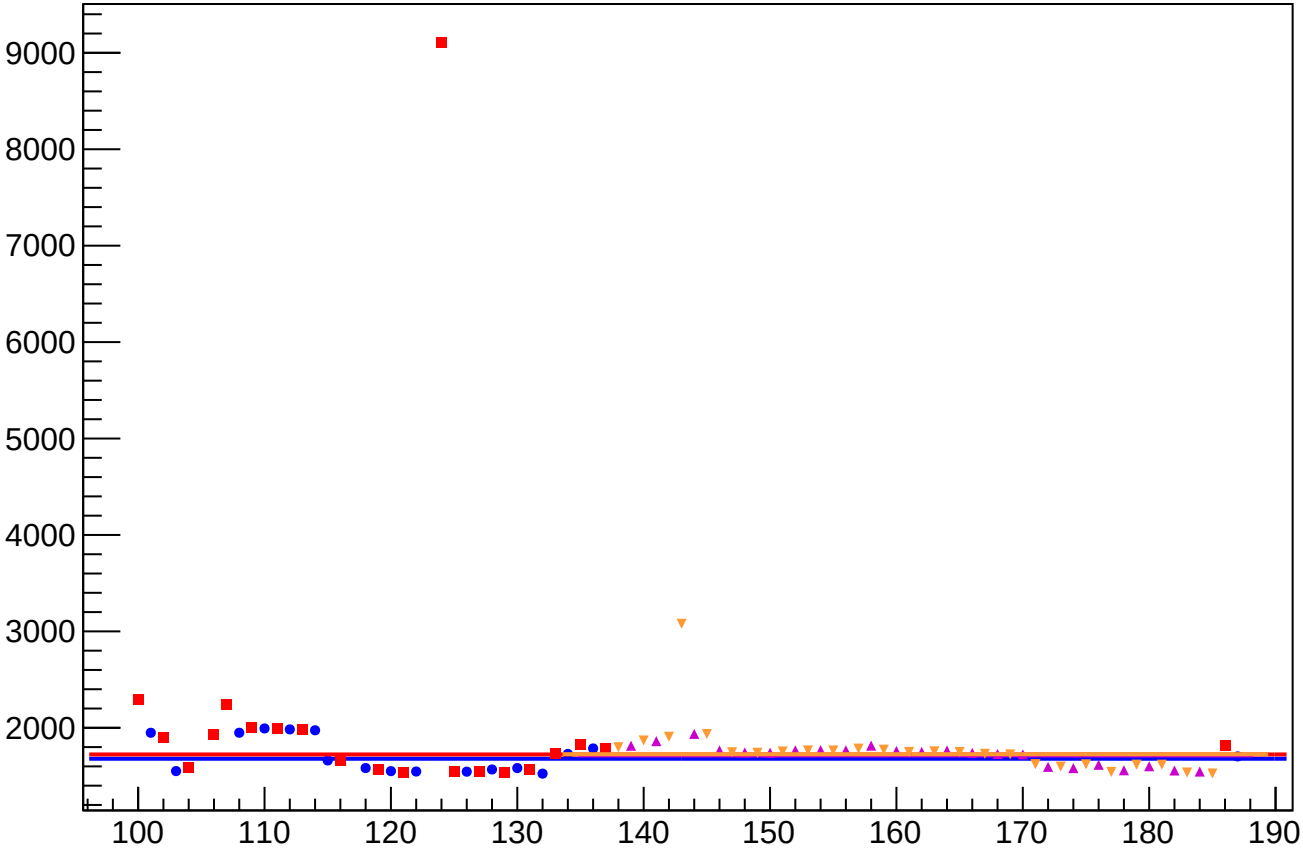
Right: 1729.162+/-440.550 χ^2/NDF: 31.6/36

In: 2120.927+/-336.560 χ^2/NDF:41.9/39

Out: 1066.296+/-333.742 χ^2/NDF:51.0/44

All: 1589.177+/-236.981 χ^2/NDF: 97.8/84

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1679.163+/-0.438 χ^2/NDF: 141560.8/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1723.691+/-0.441 χ^2/NDF: 386982.2/19

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

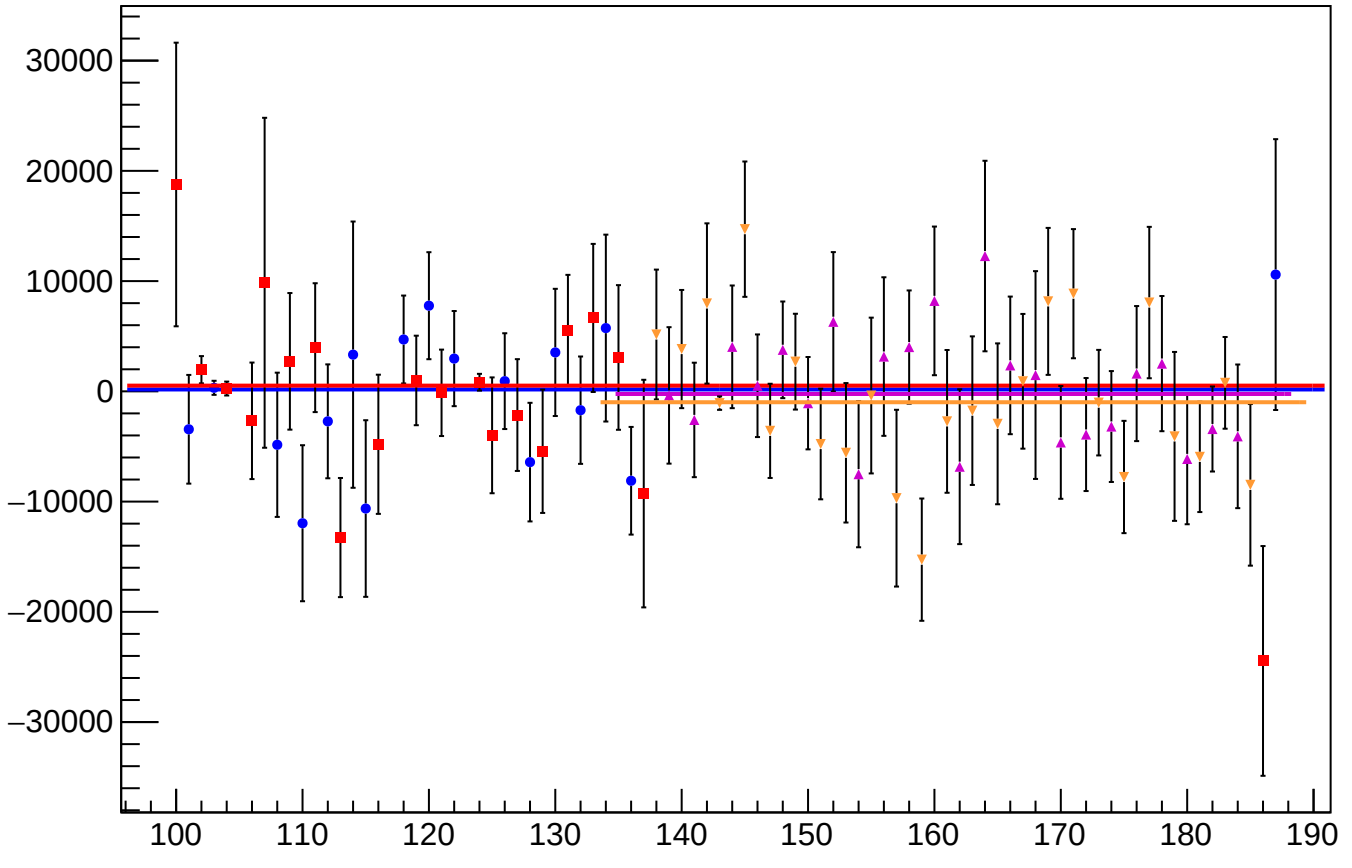
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1701.296+/-0.311 χ^2/NDF: 533671.1/36

In: 1703.138+/-0.238 χ^2/NDF:275092.0/39

Out: 1725.382+/-0.236 χ^2/NDF:841933.6/44

All: 1714.366+/-0.167 χ^2/NDF: 1121435.3/84



Right In: 169.734+/-578.713 χ^2/NDF: 16.5/16

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 518.803+/-430.254 χ^2/NDF: 23.0/19

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

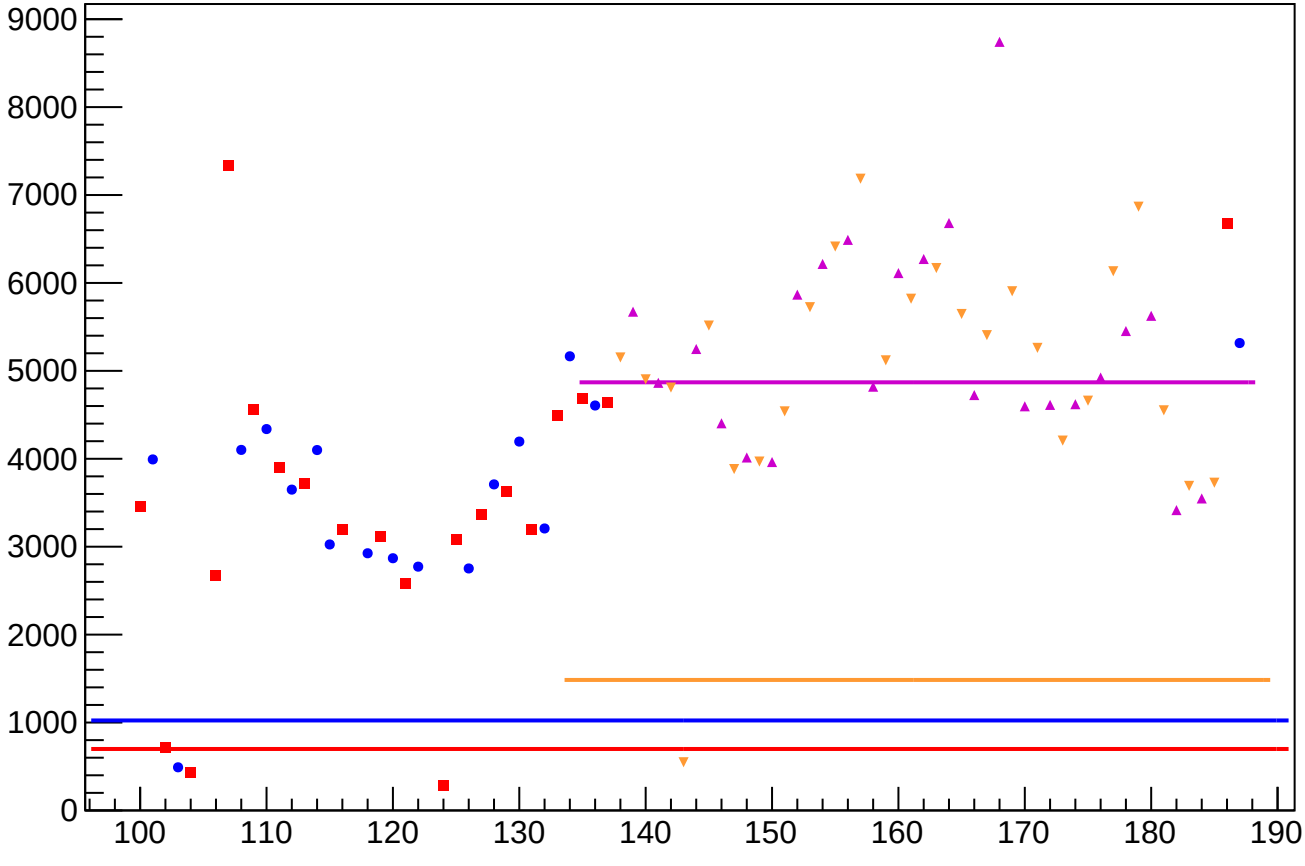
Right: 394.542+/-345.283 χ^2/NDF: 39.7/36

In: 88.747+/-518.293 χ^2/NDF:30.2/39

Out: -64.411+/-336.800 χ^2/NDF:58.5/44

All: -18.938+/-282.410 χ^2/NDF: 88.8/84

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1023.645+/-0.409 χ^2/NDF: 8467847.9/16

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 699.262+/-0.304 χ^2/NDF: 9569395.7/19

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

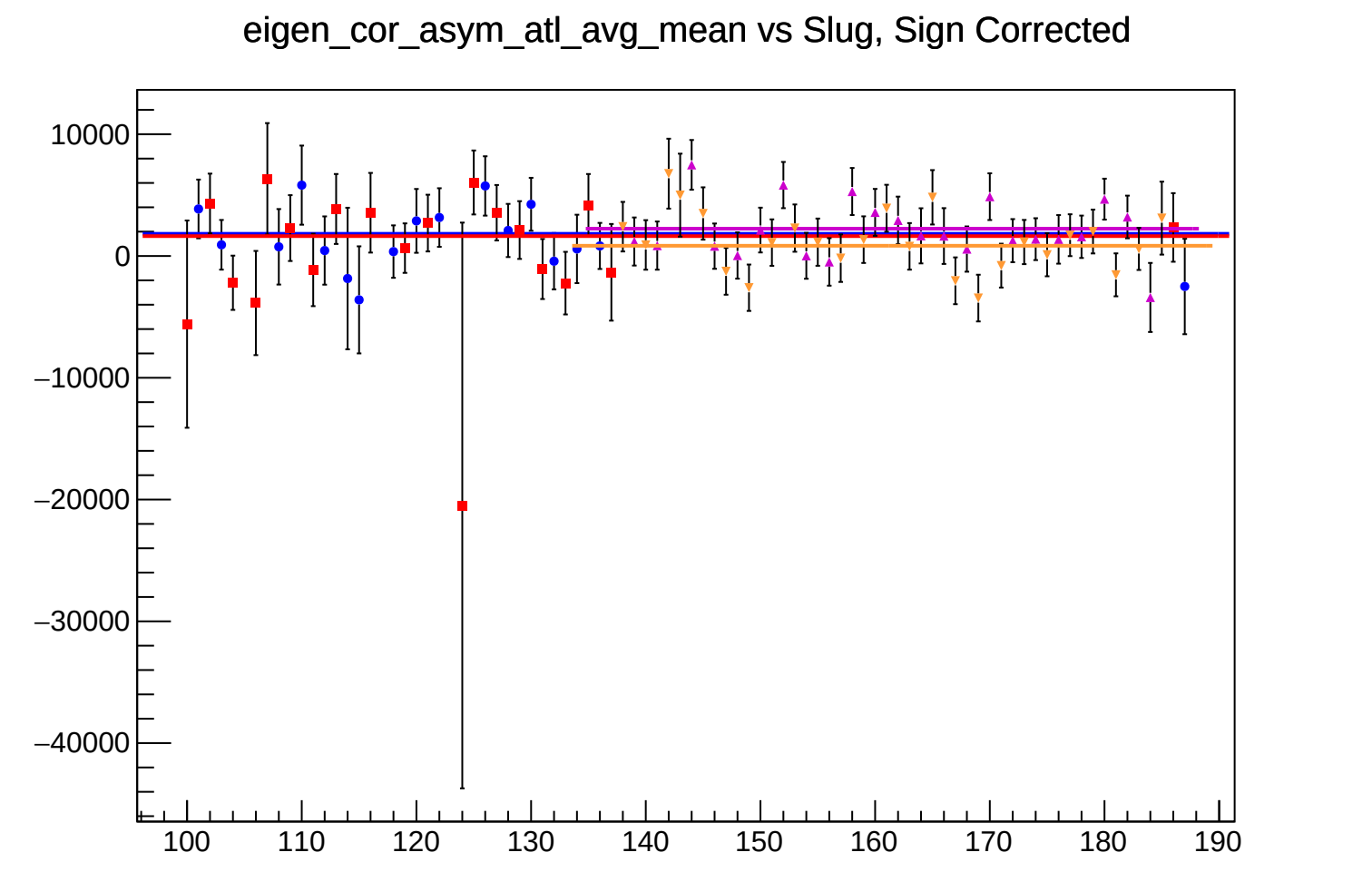
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 814.735+/-0.244 χ^2/NDF: 18441932.0/36

In: 1784.812+/-0.366 χ^2/NDF:27424430.4/39

Out: 1003.328+/-0.238 χ^2/NDF:35374503.8/44

All: 1235.351+/-0.200 χ^2/NDF: 65995892.1/8



Right In: 1823.846+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1632.582+/-626.140 χ^2/NDF: 19.4/19

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

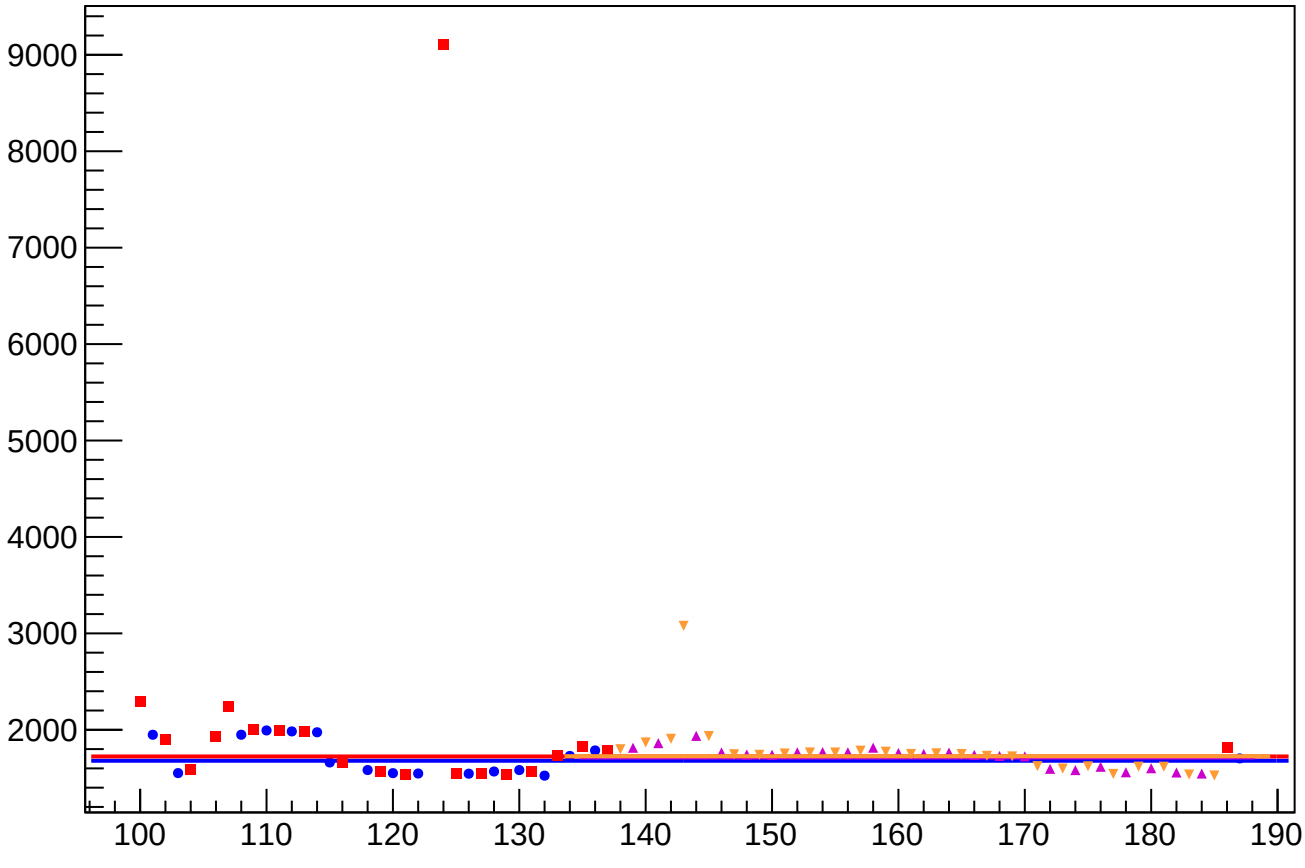
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1729.162+/-440.550 χ^2/NDF: 31.6/36

In: 2120.927+/-336.560 χ^2/NDF:41.9/39

Out: 1066.296+/-333.742 χ^2/NDF:51.0/44

All: 1589.177+/-236.981 χ^2/NDF: 97.8/84



Right In: 1679.163+/-0.438 χ^2/NDF: 141560.8/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1723.691+/-0.441 χ^2/NDF: 386982.2/19

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

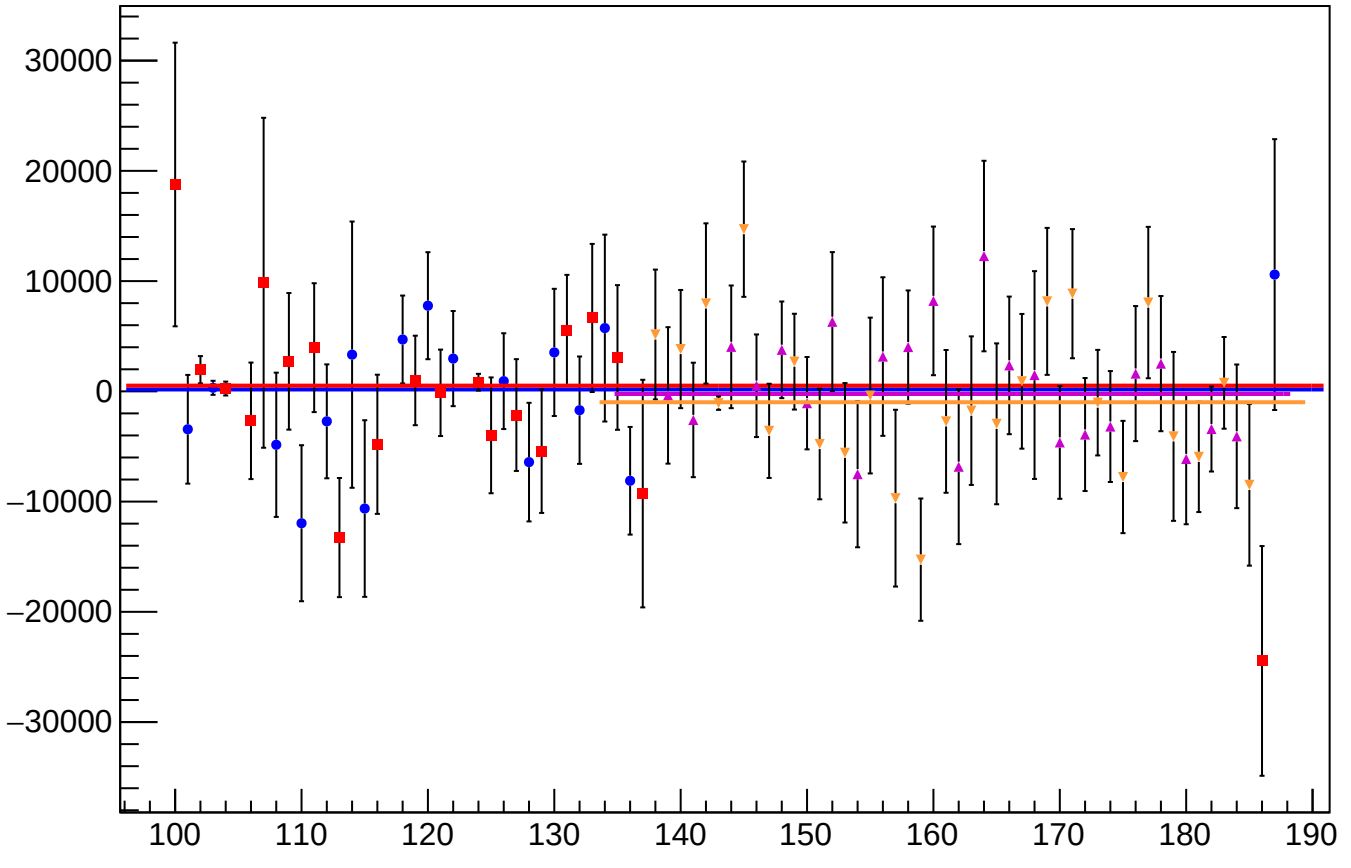
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1701.296+/-0.311 χ^2/NDF: 533671.1/36

In: 1703.138+/-0.238 χ^2/NDF:275092.0/39

Out: 1725.382+/-0.236 χ^2/NDF:841933.6/44

All: 1714.366+/-0.167 χ^2/NDF: 1121435.3/84



Right In: 169.734+/-578.713 χ^2/NDF: 16.5/16

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 518.803+/-430.254 χ^2/NDF: 23.0/19

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

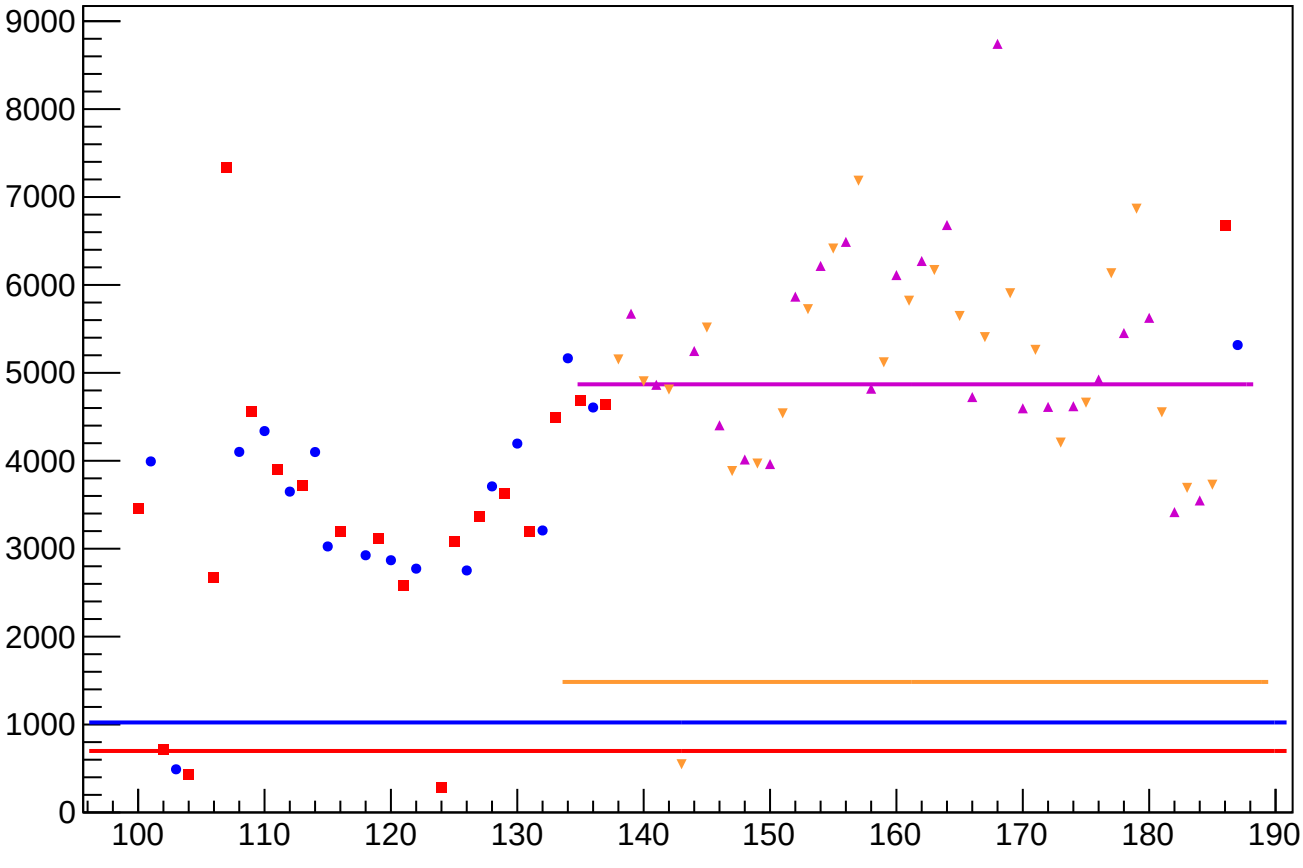
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 394.542+/-345.283 χ^2/NDF: 39.7/36

In: 88.747+/-518.293 χ^2/NDF:30.2/39

Out: -64.411+/-336.800 χ^2/NDF:58.5/44

All: -18.938+/-282.410 χ^2/NDF: 88.8/84



Right In: 1023.645+/-0.409 χ^2/NDF: 8467847.9/16

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 699.262+/-0.304 χ^2/NDF: 9569395.7/19

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

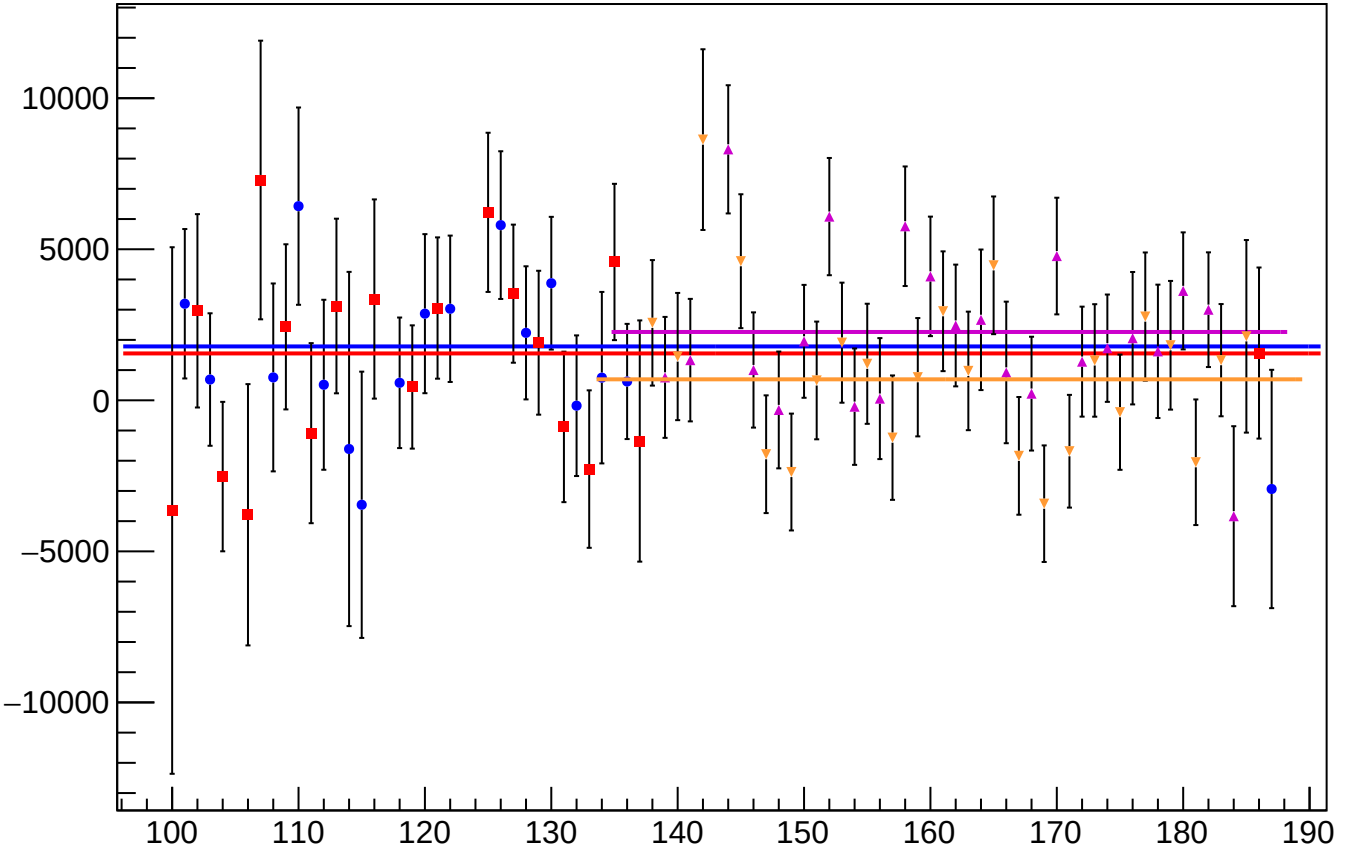
Right: 814.735+/-0.244 χ^2/NDF: 18441932.0/36

In: 1784.812+/-0.366 χ^2/NDF:27424430.4/39

Out: 1003.328+/-0.238 χ^2/NDF:35374503.8/44

All: 1235.351+/-0.200 χ^2/NDF: 65995892.1/8

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1783.361+/-628.307 χ^2/NDF: 11.7/16

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1551.672+/-643.744 χ^2/NDF: 17.5/18

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

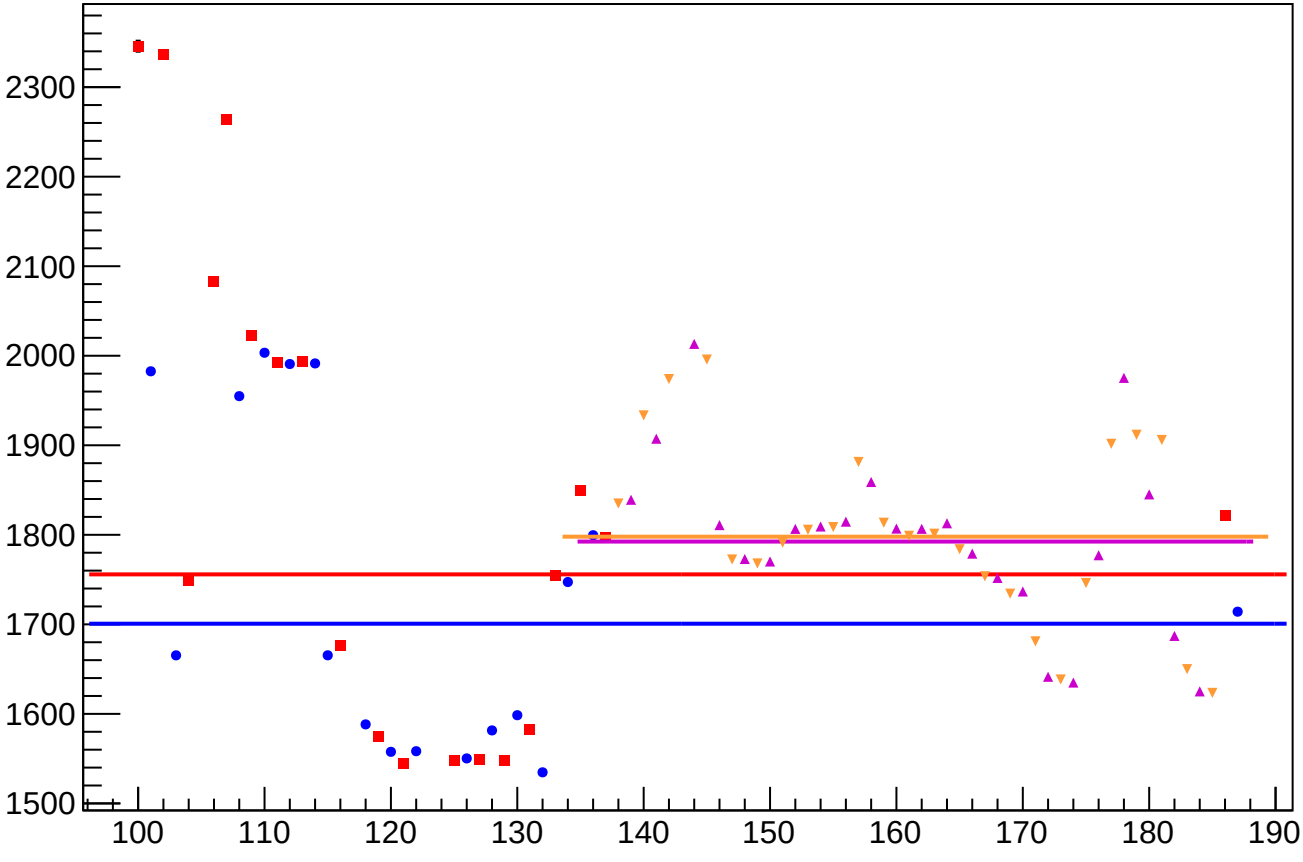
Right: 1670.328+/-449.639 χ^2/NDF: 29.2/35

In: 2114.417+/-348.698 χ^2/NDF:42.5/39

Out: 948.634+/-350.607 χ^2/NDF:50.9/42

All: 1534.708+/-247.239 χ^2/NDF: 99.0/82

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.707+/-0.444 χ^2/NDF: 135443.0/16

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1755.805+/-0.454 χ^2/NDF: 249089.4/18

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

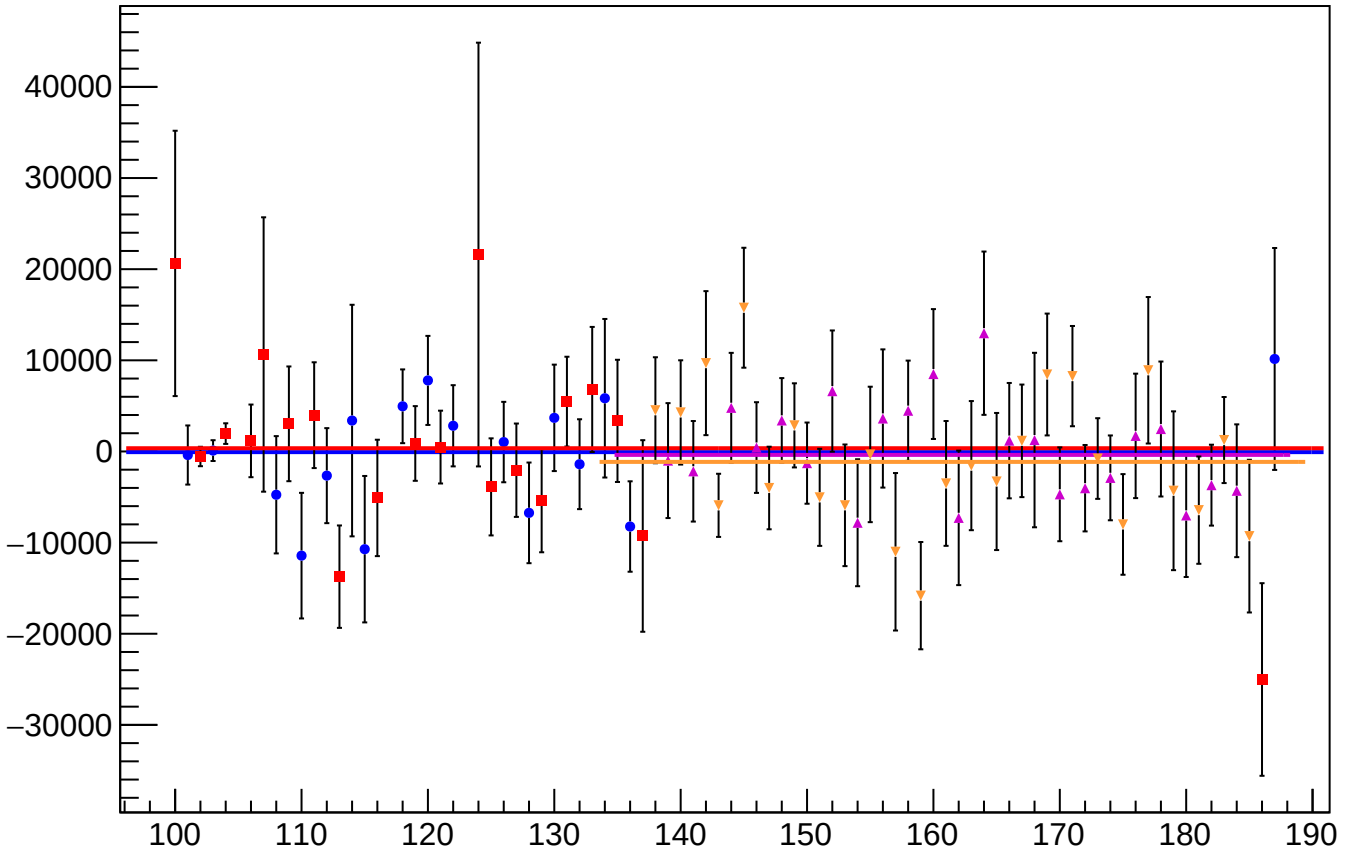
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1727.647+/-0.318 χ^2/NDF: 392052.7/35

In: 1764.193+/-0.247 χ^2/NDF:257826.4/39

Out: 1785.382+/-0.248 χ^2/NDF:353127.5/42

All: 1774.736+/-0.175 χ^2/NDF: 614628.7/82



Right In: -73.548+/-865.450 χ^2/NDF: 15.8/16

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 354.614+/-677.758 χ^2/NDF: 24.3/19

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

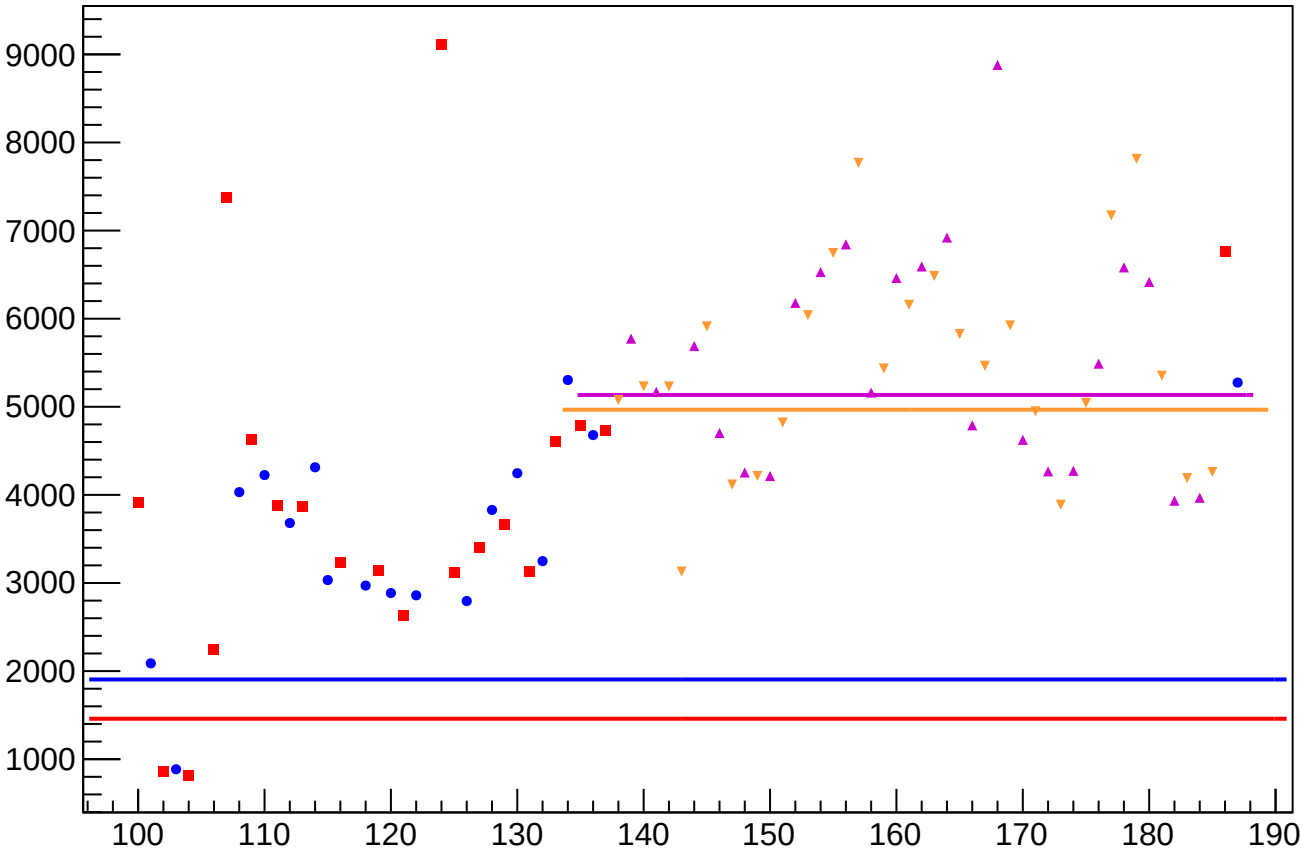
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: 191.849+/-533.604 χ^2/NDF: 40.2/36

In: -173.487+/-707.551 χ^2/NDF:29.1/39

Out: -24.704+/-585.763 χ^2/NDF:58.1/44

All: -85.208+/-451.205 χ^2/NDF: 87.2/84



Right In: 1905.114+/-0.612 χ^2/NDF: 4579698.3/16

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1459.039+/-0.479 χ^2/NDF: 6471130.1/19

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

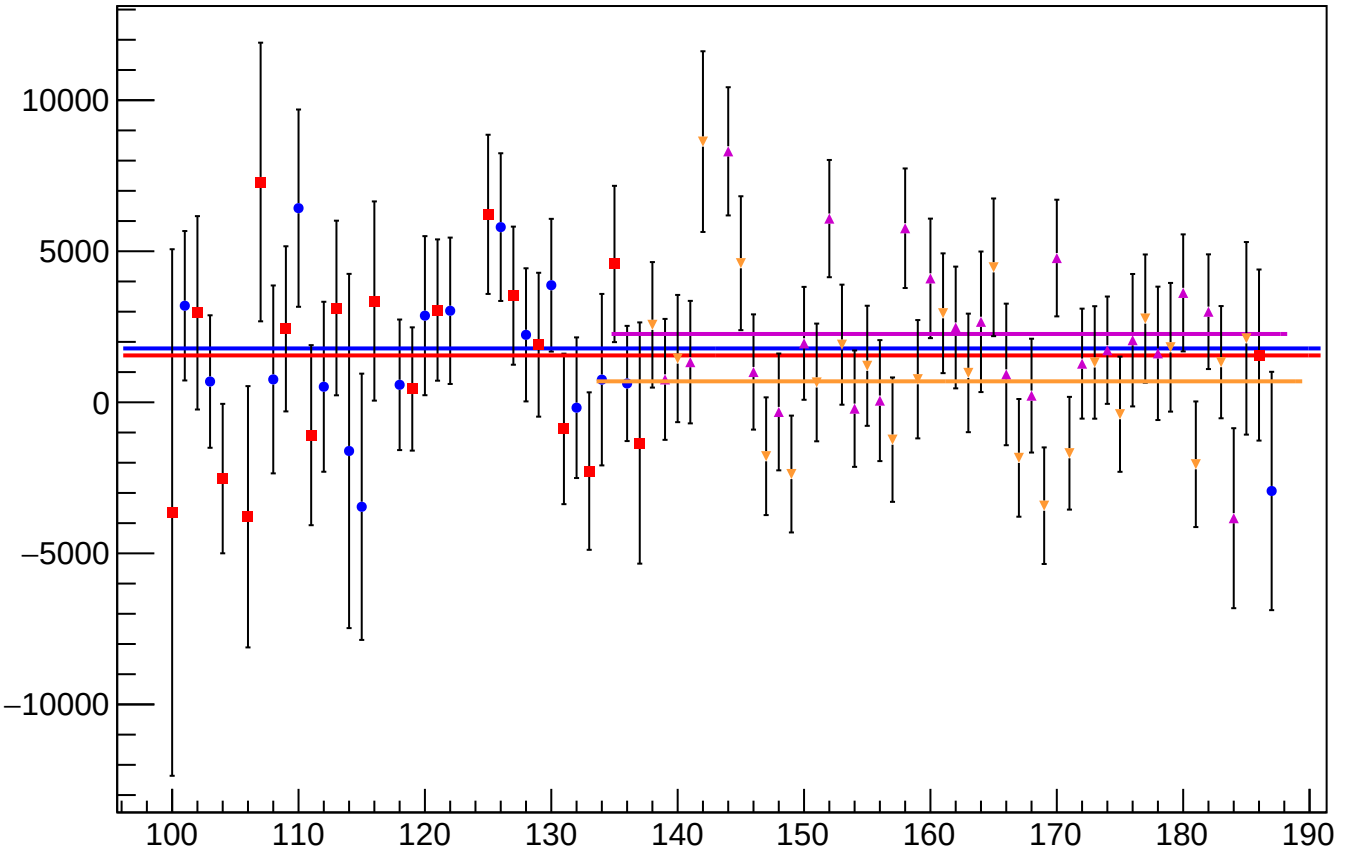
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1628.614+/-0.377 χ^2/NDF: 11380171.1/36

In: 2975.984+/-0.500 χ^2/NDF:15300893.7/39

Out: 2346.678+/-0.414 χ^2/NDF:21945845.4/44

All: 2602.592+/-0.319 χ^2/NDF: 38185469.9/8



Right In: 1783.360+/-628.307 χ^2/NDF: 11.7/16

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1551.672+/-643.744 χ^2/NDF: 17.5/18

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

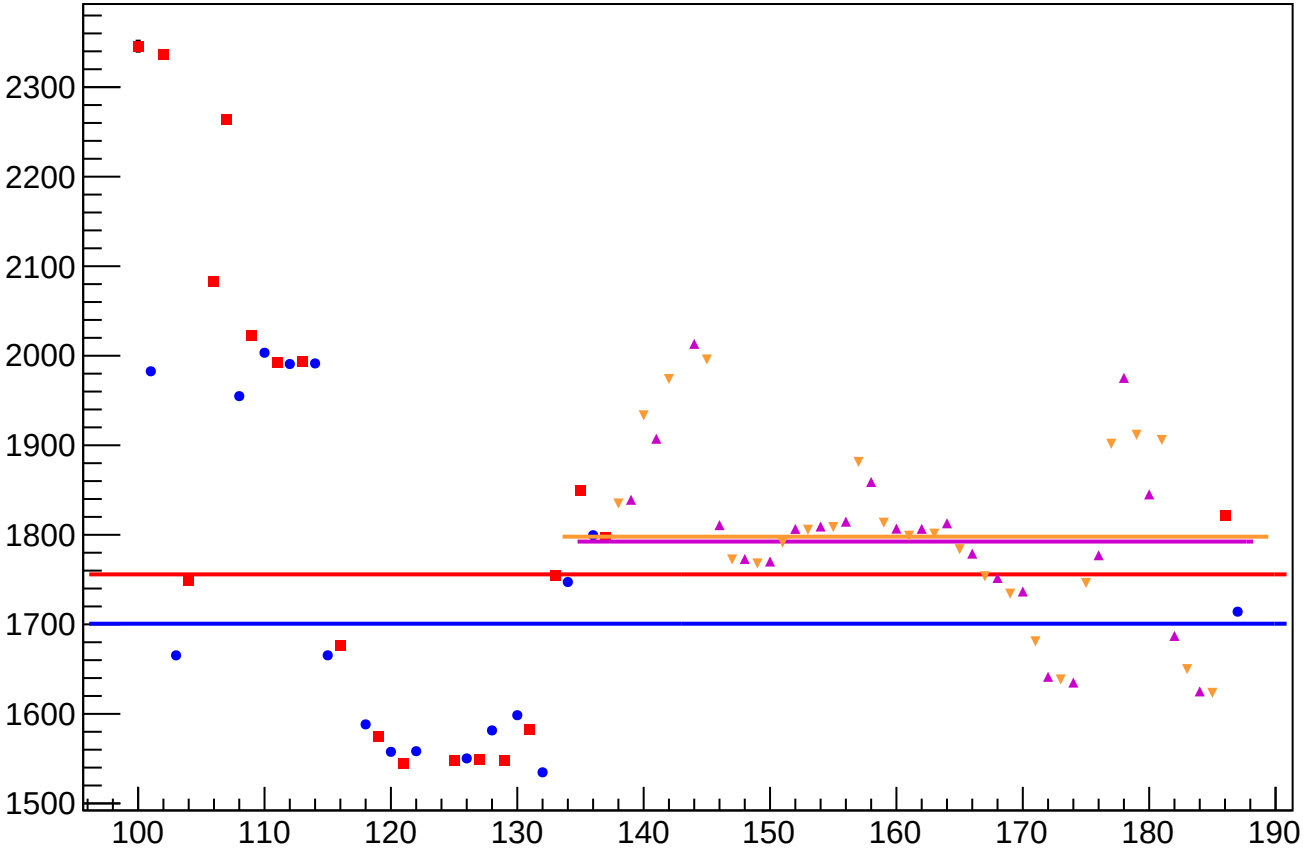
Right: 1670.327+/-449.639 χ^2/NDF: 29.2/35

In: 2114.416+/-348.698 χ^2/NDF:42.5/39

Out: 948.632+/-350.607 χ^2/NDF:50.9/42

All: 1534.707+/-247.239 χ^2/NDF: 99.0/82

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.706+/-0.444 χ^2/NDF: 135443.2/16

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1755.805+/-0.454 χ^2/NDF: 249089.0/18

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

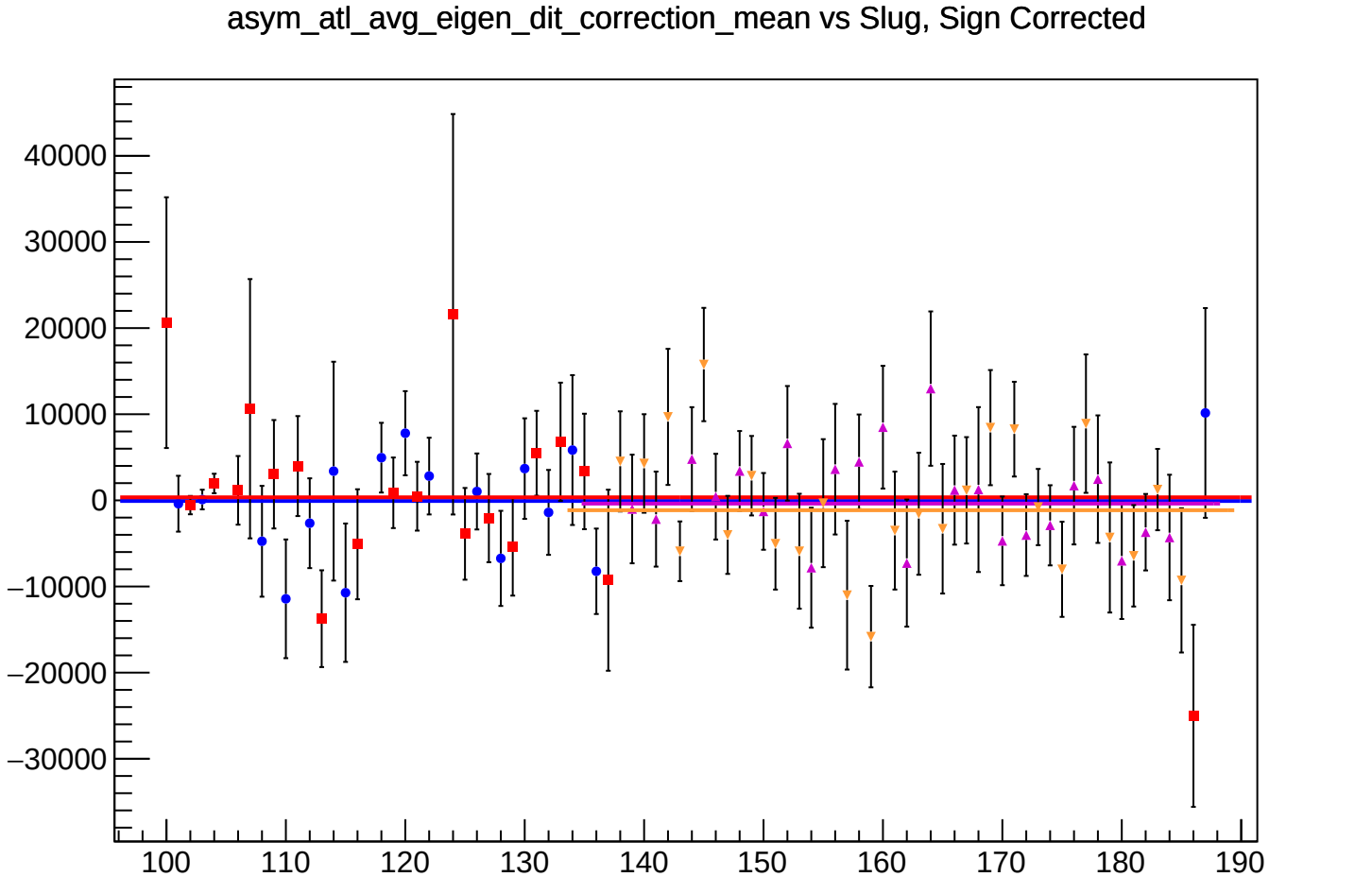
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1727.647+/-0.318 χ^2/NDF: 392052.4/35

In: 1764.194+/-0.247 χ^2/NDF:257830.9/39

Out: 1785.383+/-0.248 χ^2/NDF:353131.0/42

All: 1774.737+/-0.175 χ^2/NDF: 614636.7/82



Right In: -73.544+/-865.445 χ^2/NDF: 15.8/16

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 354.615+/-677.753 χ^2/NDF: 24.3/19

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

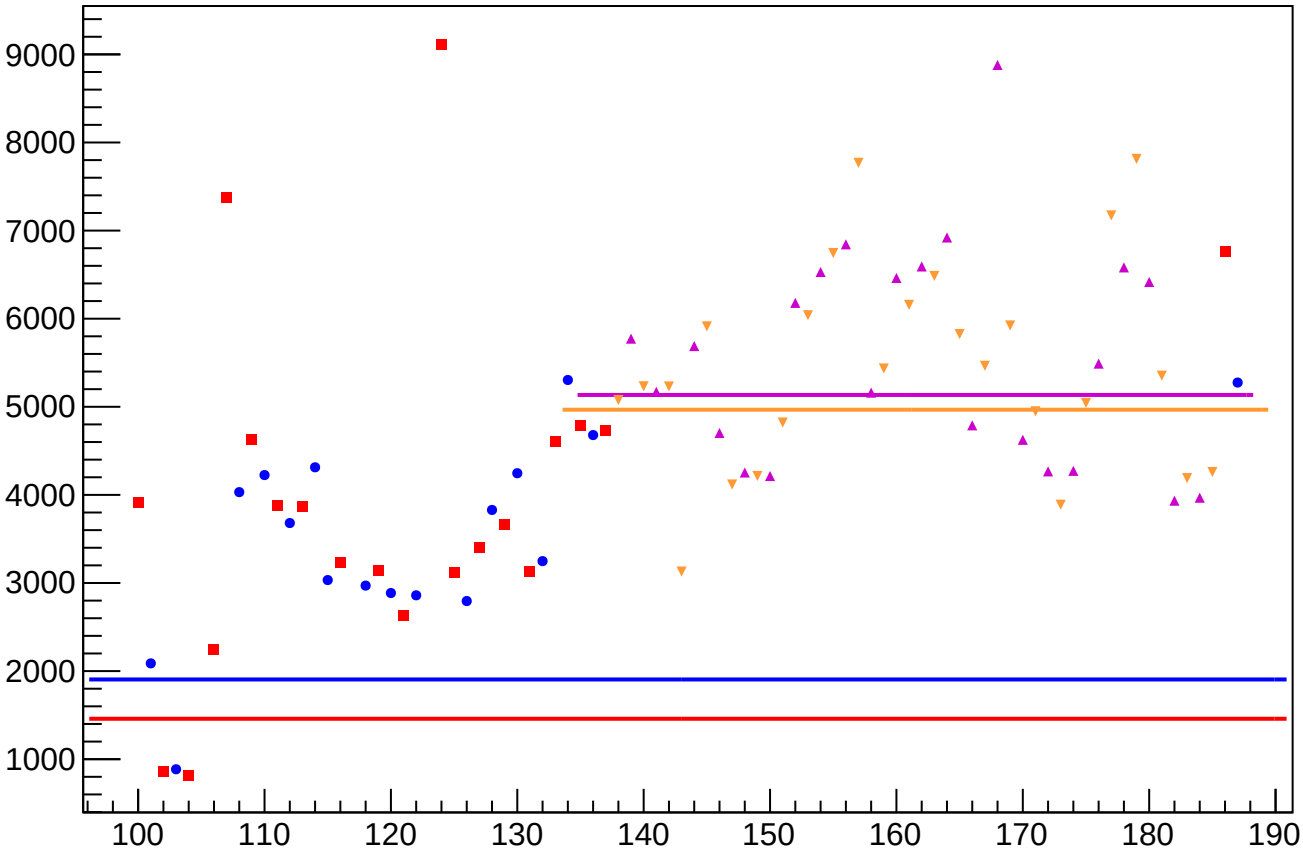
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 191.851+/-533.600 χ^2/NDF: 40.2/36

In: -173.484+/-707.548 χ^2/NDF:29.1/39

Out: -24.700+/-585.760 χ^2/NDF:58.1/44

All: -85.205+/-451.203 χ^2/NDF: 87.2/84



Right In: 1905.097+/-0.612 χ^2/NDF: 4579737.2/16

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1459.025+/-0.479 χ^2/NDF: 6471167.4/19

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

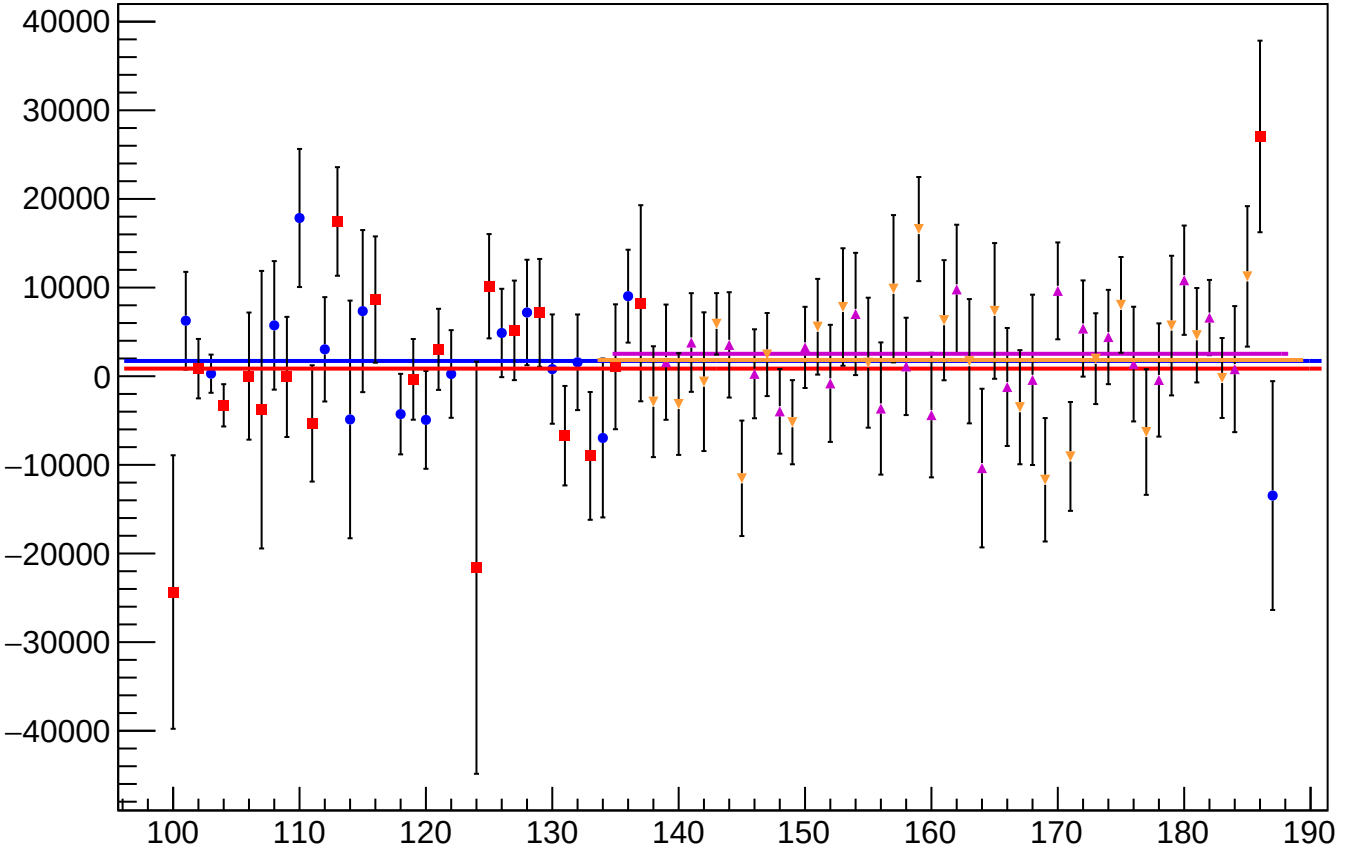
Right: 1628.599+/-0.377 χ^2/NDF: 11380247.7/36

In: 2975.964+/-0.500 χ^2/NDF:15301096.7/39

Out: 2346.658+/-0.414 χ^2/NDF:21946071.7/44

All: 2602.572+/-0.319 χ^2/NDF: 38185908.5/8

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1722.063+/-1253.237 χ^2/NDF: 15.2/16

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 858.267+/-1233.399 χ^2/NDF: 30.6/19

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

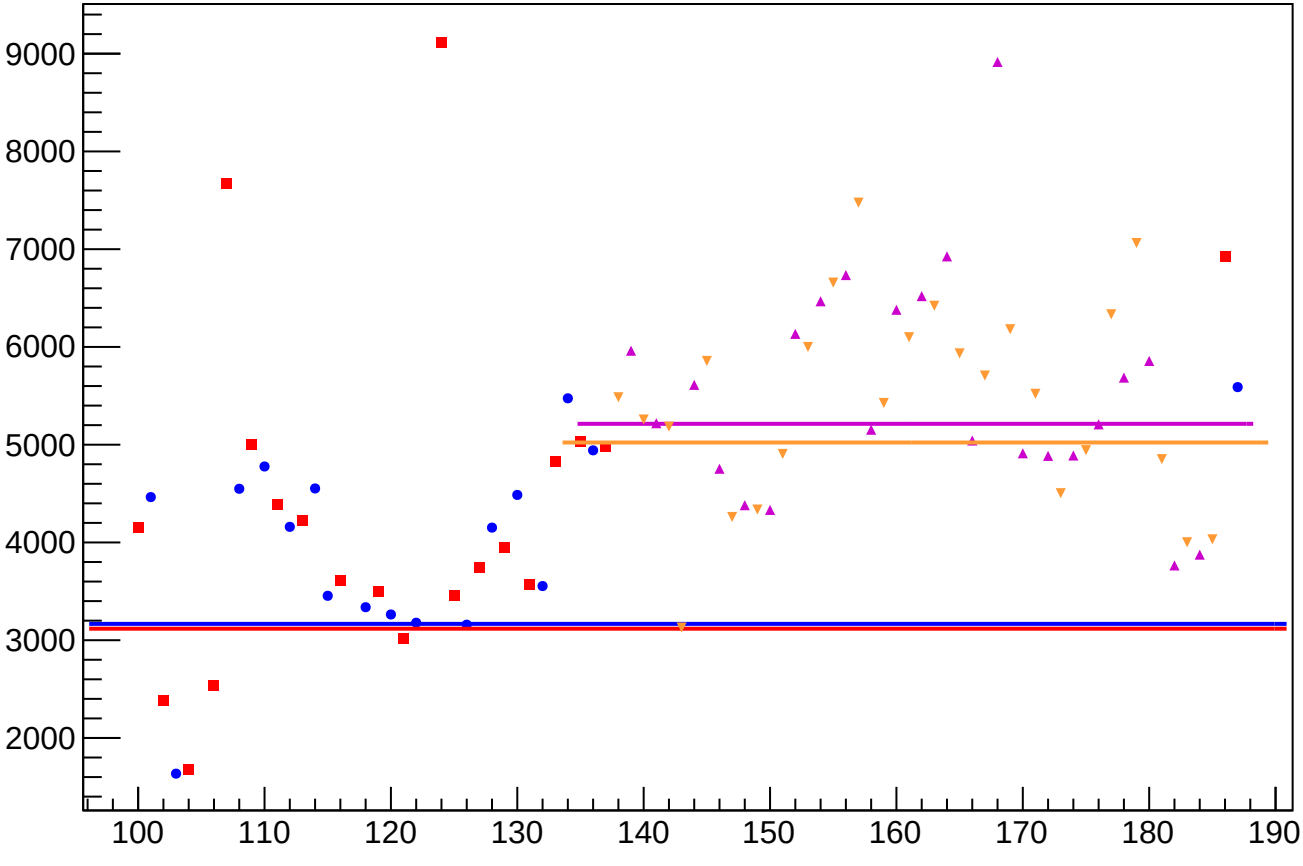
Right: 1283.274+/-879.075 χ^2/NDF: 46.1/36

In: 2129.405+/-882.187 χ^2/NDF:28.6/39

Out: 1366.728+/-849.788 χ^2/NDF:62.0/44

All: 1733.805+/-612.024 χ^2/NDF: 91.0/84

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3167.190+/-0.886 χ^2/NDF: 1954237.8/16

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3117.822+/-0.859 χ^2/NDF: 2133302.8/19

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

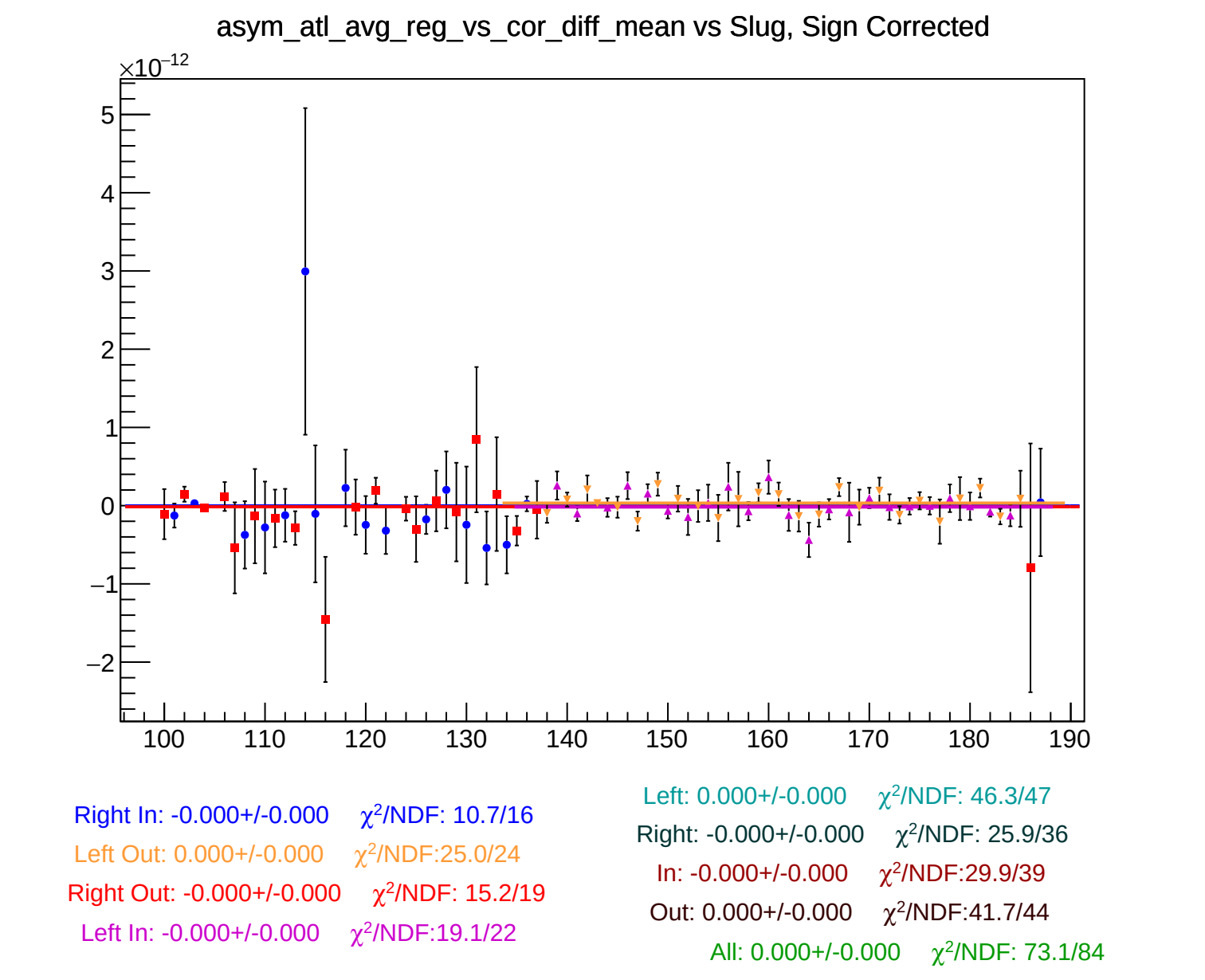
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

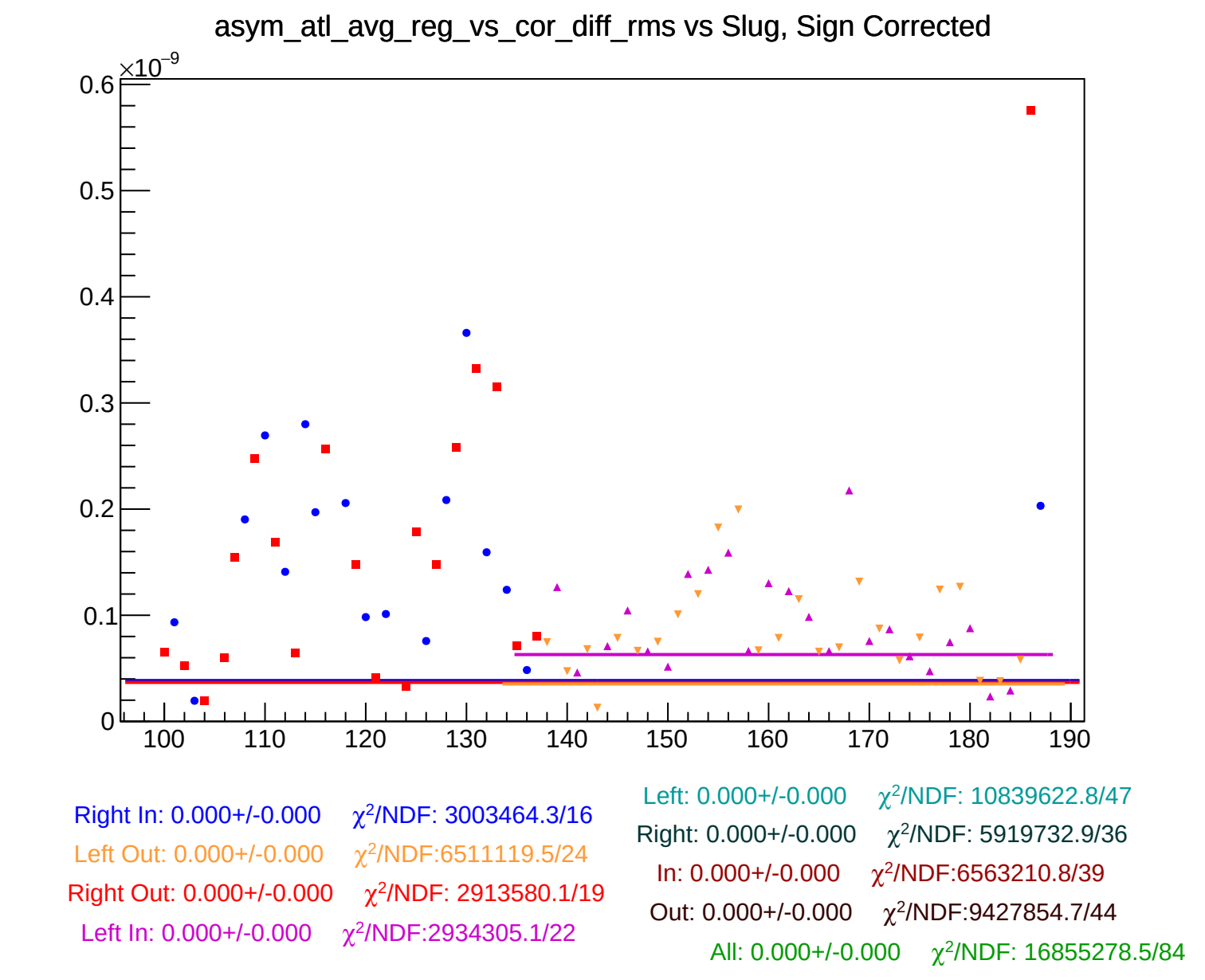
Right: 3141.730+/-0.617 χ^2/NDF: 4089141.1/36

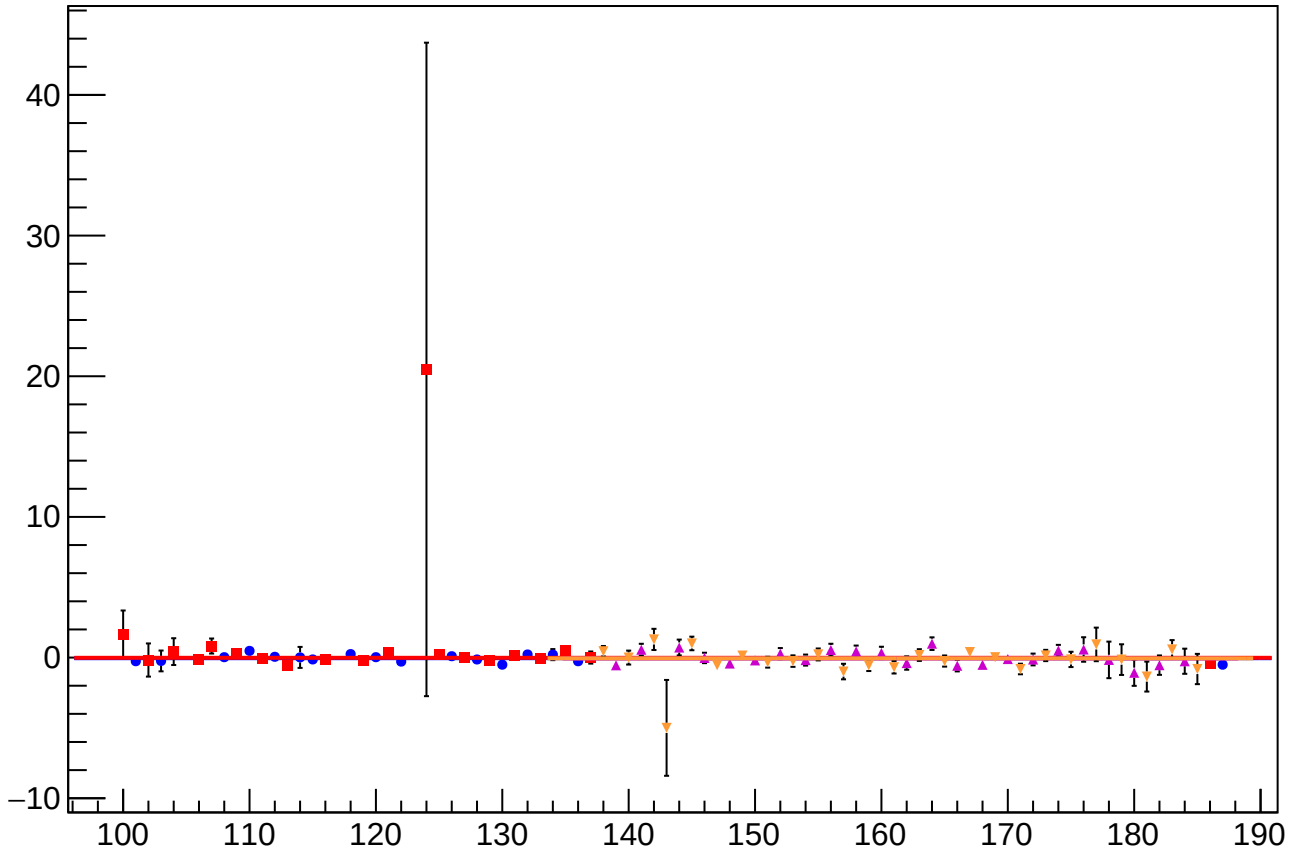
In: 4199.588+/-0.624 χ^2/NDF:5867792.3/39

Out: 4103.576+/-0.596 χ^2/NDF:6355904.3/44

All: 4149.431+/-0.431 χ^2/NDF: 12236072.4/8


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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.7/16
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.2/19
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/47
Right: -0.000+/-0.000 χ²/NDF: 25.9/36
In: -0.000+/-0.000 χ²/NDF:29.9/39
Out: 0.000+/-0.000 χ²/NDF:41.7/44
All: 0.000+/-0.000 χ²/NDF: 73.1/84


asym_atl_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3003464.3/16
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2913580.1/19
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
Left: 0.000+/-0.000 χ²/NDF: 10839622.8/47
Right: 0.000+/-0.000 χ²/NDF: 5919732.9/36
In: 0.000+/-0.000 χ²/NDF:6563210.8/39
Out: 0.000+/-0.000 χ²/NDF:9427854.7/44
All: 0.000+/-0.000 χ²/NDF: 16855278.5/84



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.017+/-0.055 χ^2/NDF: 25.7/19

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

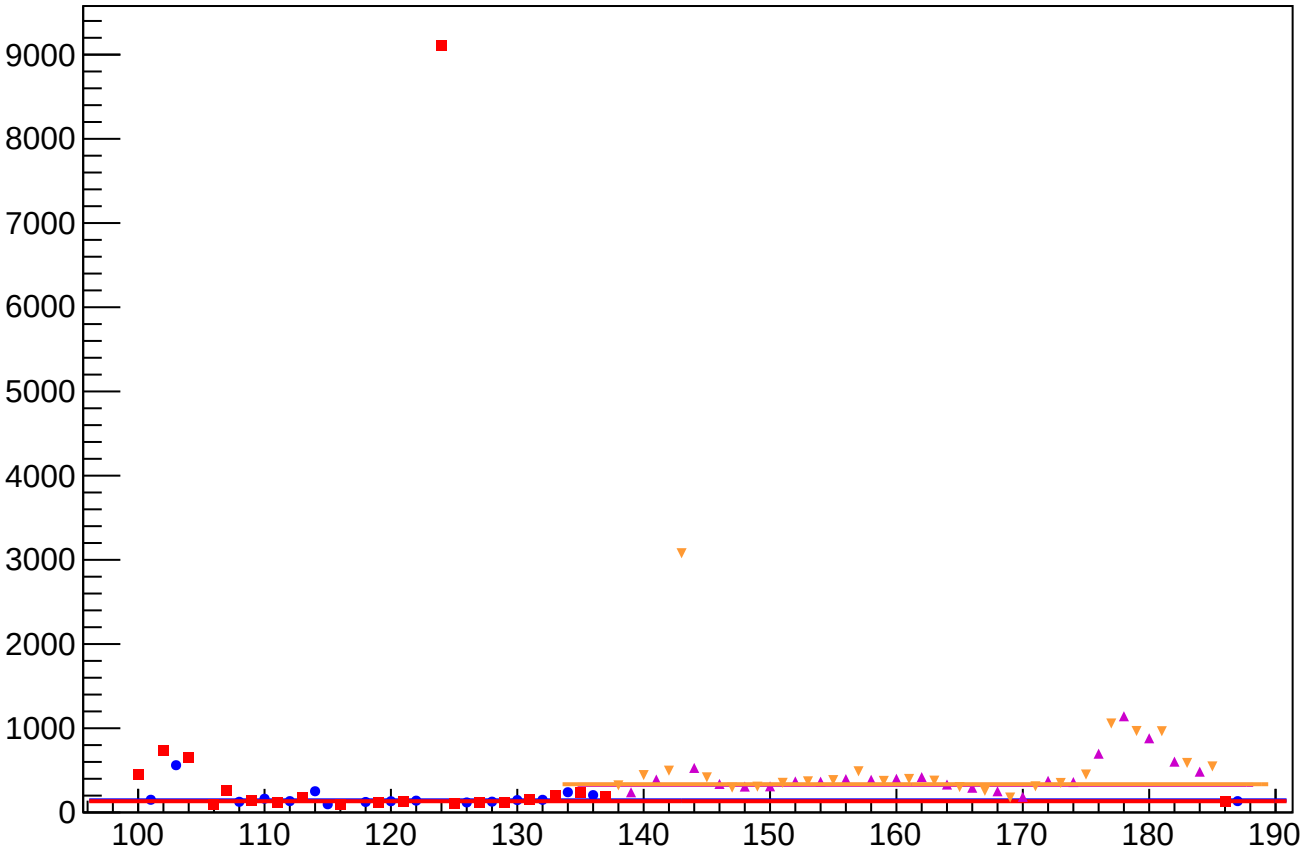
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.030+/-0.039 χ^2/NDF: 45.2/36

In: -0.050+/-0.047 χ^2/NDF:47.4/39

Out: -0.028+/-0.046 χ^2/NDF:59.0/44

All: -0.039+/-0.033 χ^2/NDF: 106.5/84



Right In: 143.985+/-0.040 χ^2/NDF: 1130563.7/16

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 133.335+/-0.039 χ^2/NDF: 2220715.4/19

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

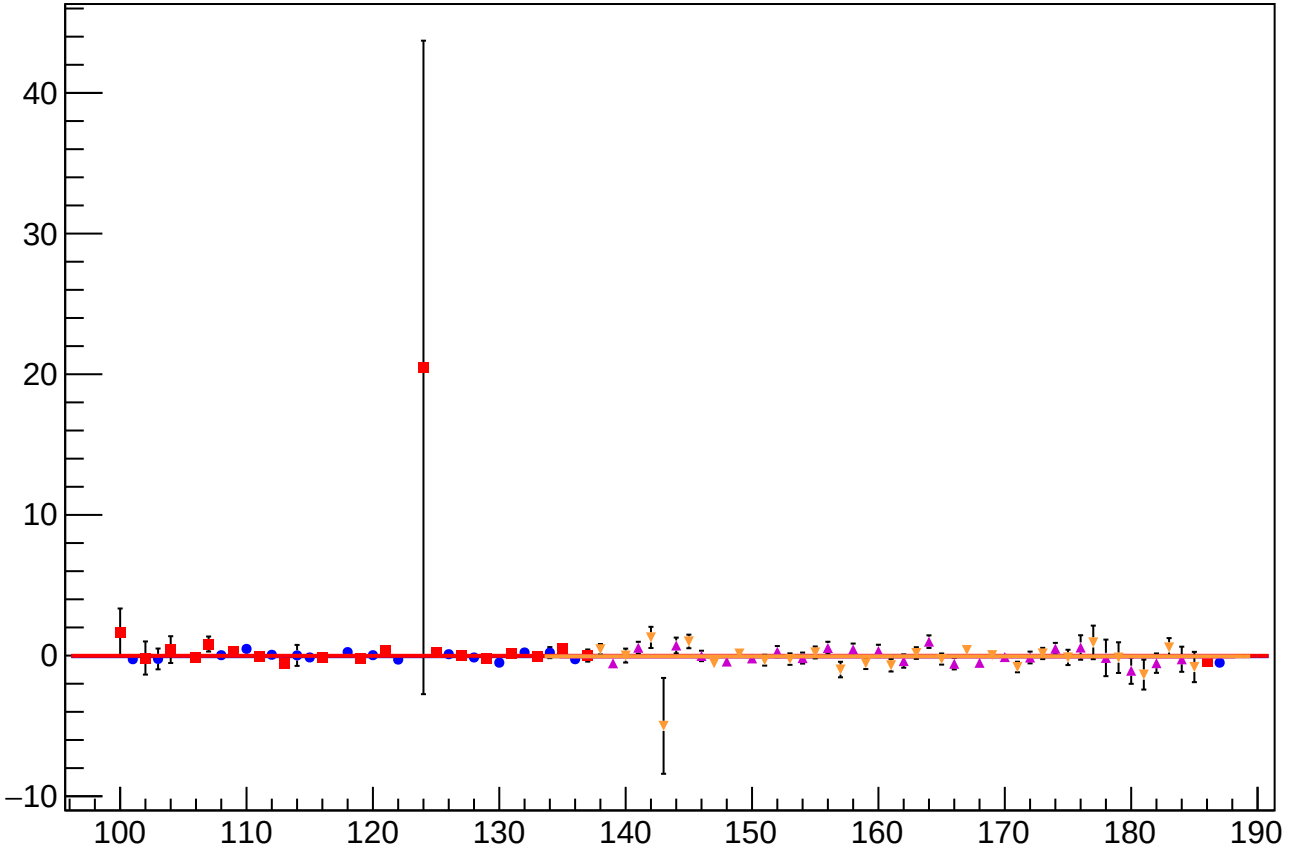
Right: 138.459+/-0.028 χ^2/NDF: 3387617.9/36

In: 202.954+/-0.033 χ^2/NDF:11967556.8/39

Out: 192.989+/-0.033 χ^2/NDF:16089674.5/44

All: 197.876+/-0.023 χ^2/NDF: 28103261.2/84

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.017+/-0.055 χ^2/NDF: 25.7/19

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

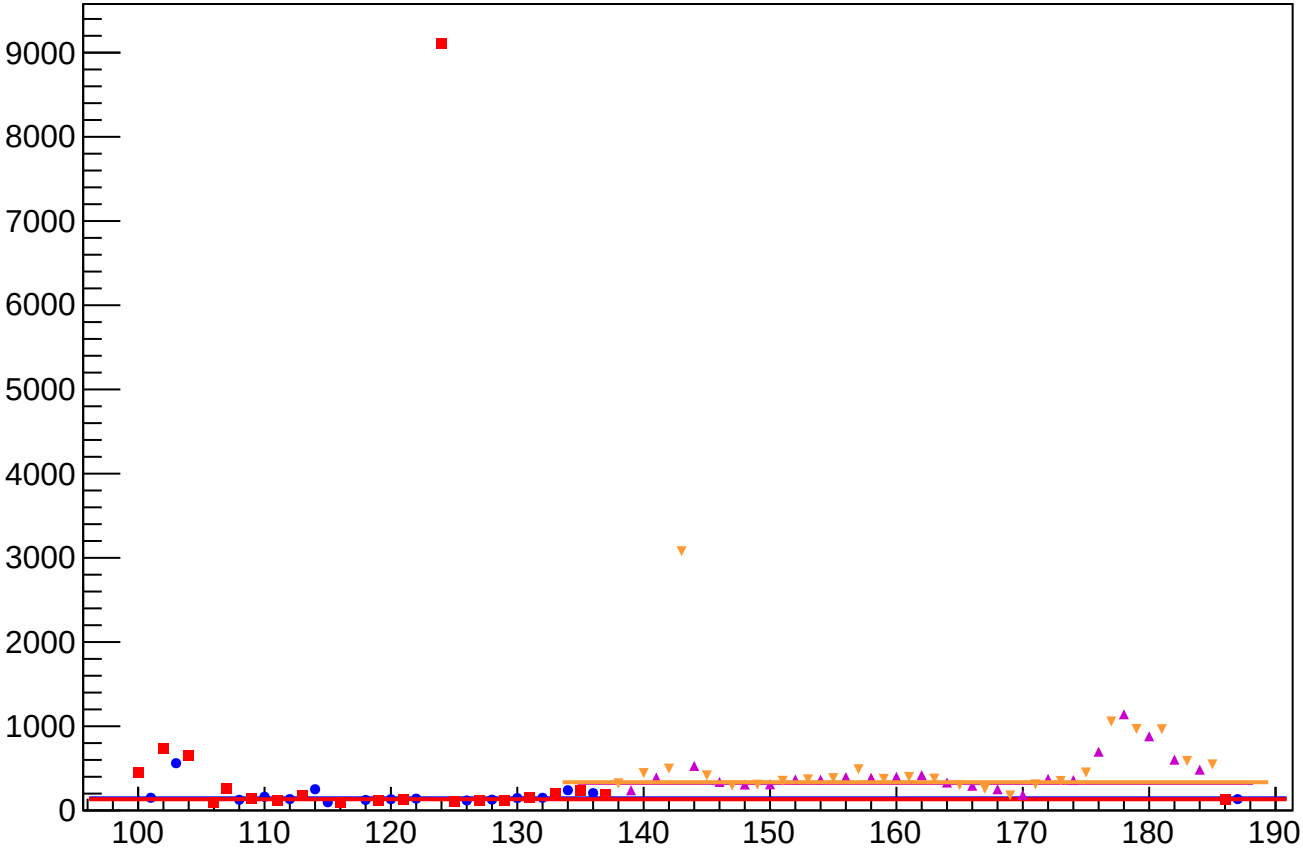
Right: -0.030+/-0.039 χ^2/NDF: 45.2/36

In: -0.050+/-0.047 χ^2/NDF:47.4/39

Out: -0.028+/-0.046 χ^2/NDF:59.0/44

All: -0.039+/-0.033 χ^2/NDF: 106.5/84

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 143.985+/-0.040 χ^2/NDF: 1130563.7/16

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 133.335+/-0.039 χ^2/NDF: 2220715.4/19

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

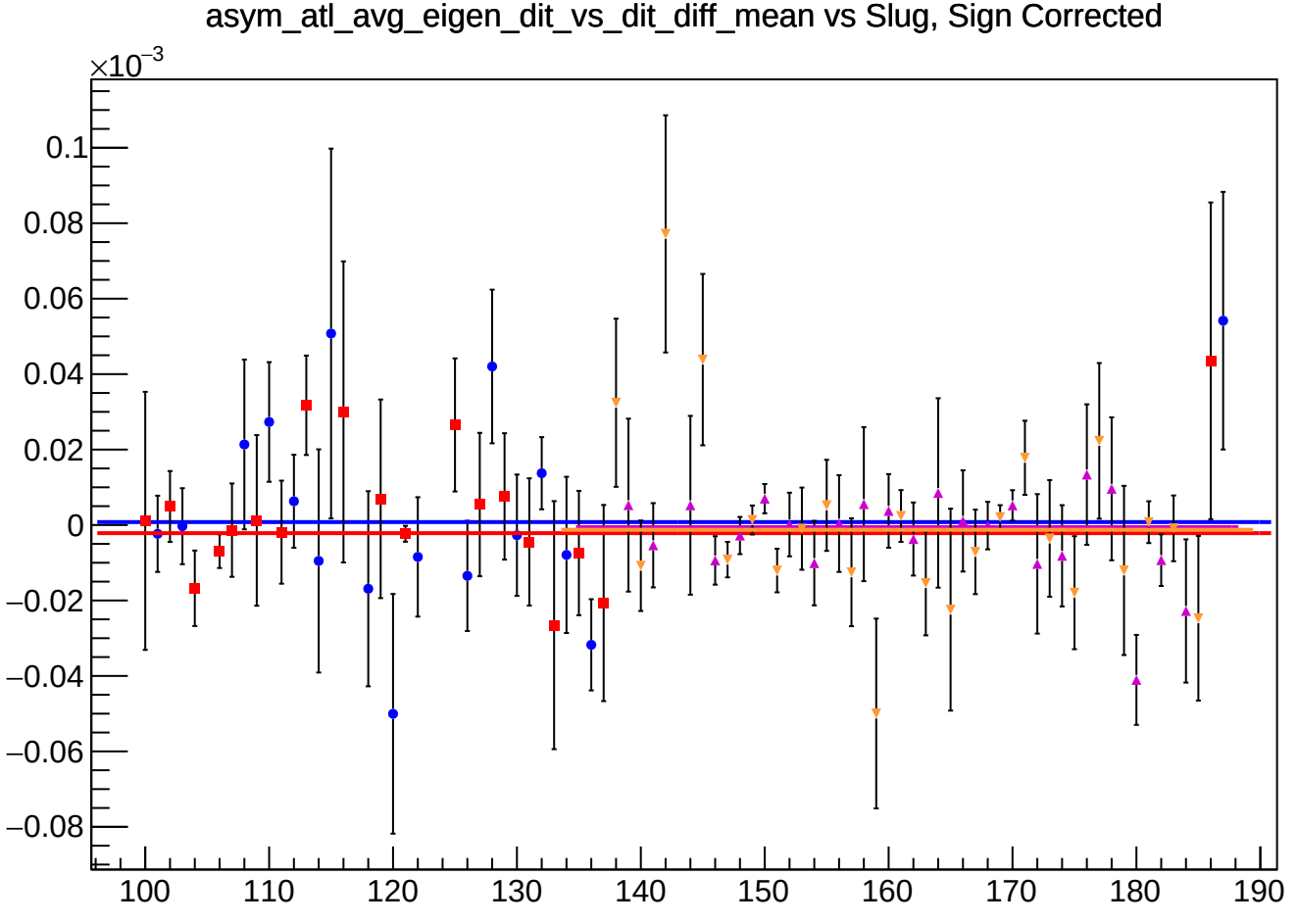
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 138.459+/-0.028 χ^2/NDF: 3387617.9/36

In: 202.954+/-0.033 χ^2/NDF:11967556.8/39

Out: 192.989+/-0.033 χ^2/NDF:16089674.5/44

All: 197.876+/-0.023 χ^2/NDF: 28103261.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

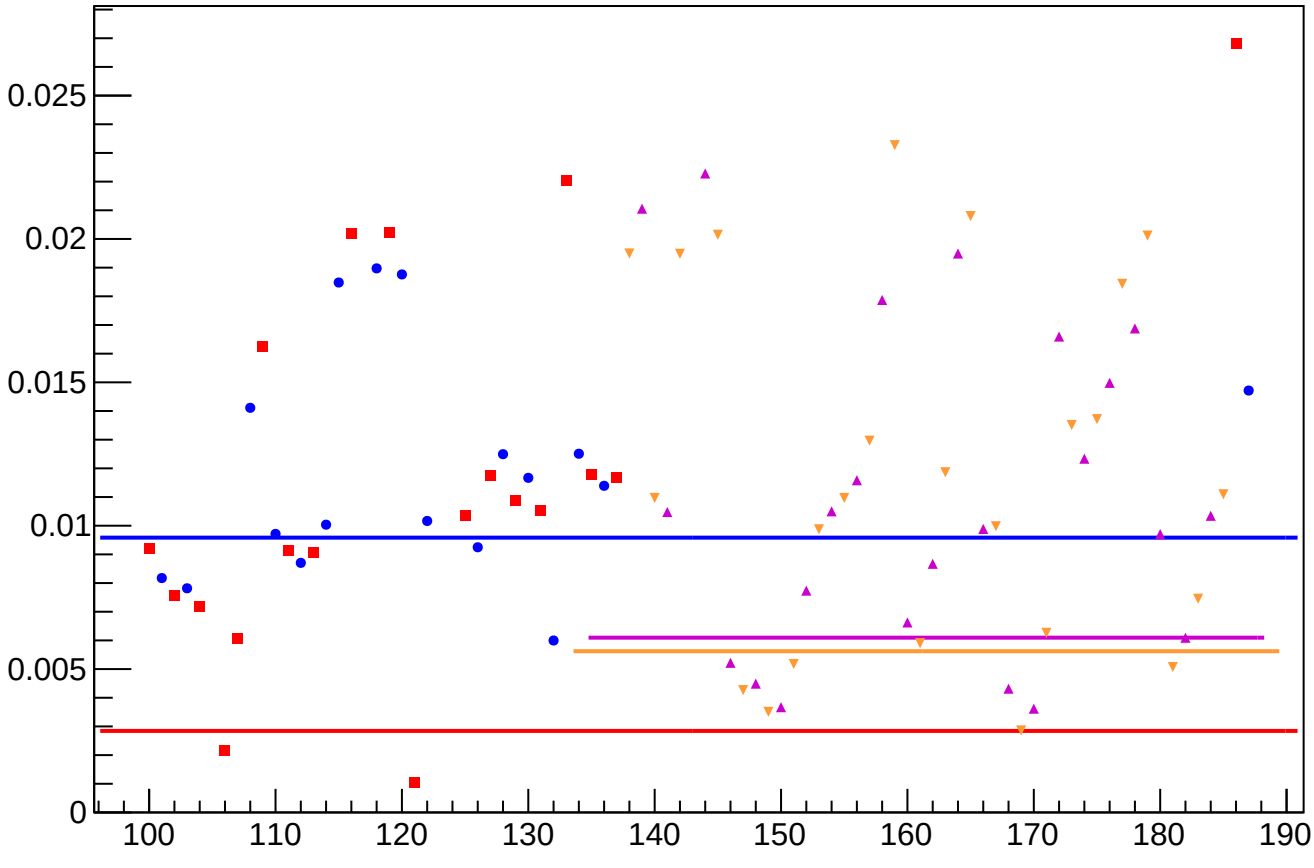
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 42.6/35

In: -0.000+/-0.000 χ^2/NDF:50.9/39

Out: -0.000+/-0.000 χ^2/NDF:52.6/42

All: -0.000+/-0.000 χ^2/NDF: 104.0/82



Right In: 0.010+/-0.000 χ^2/NDF: 1178647.5/16

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9221579.3/18

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

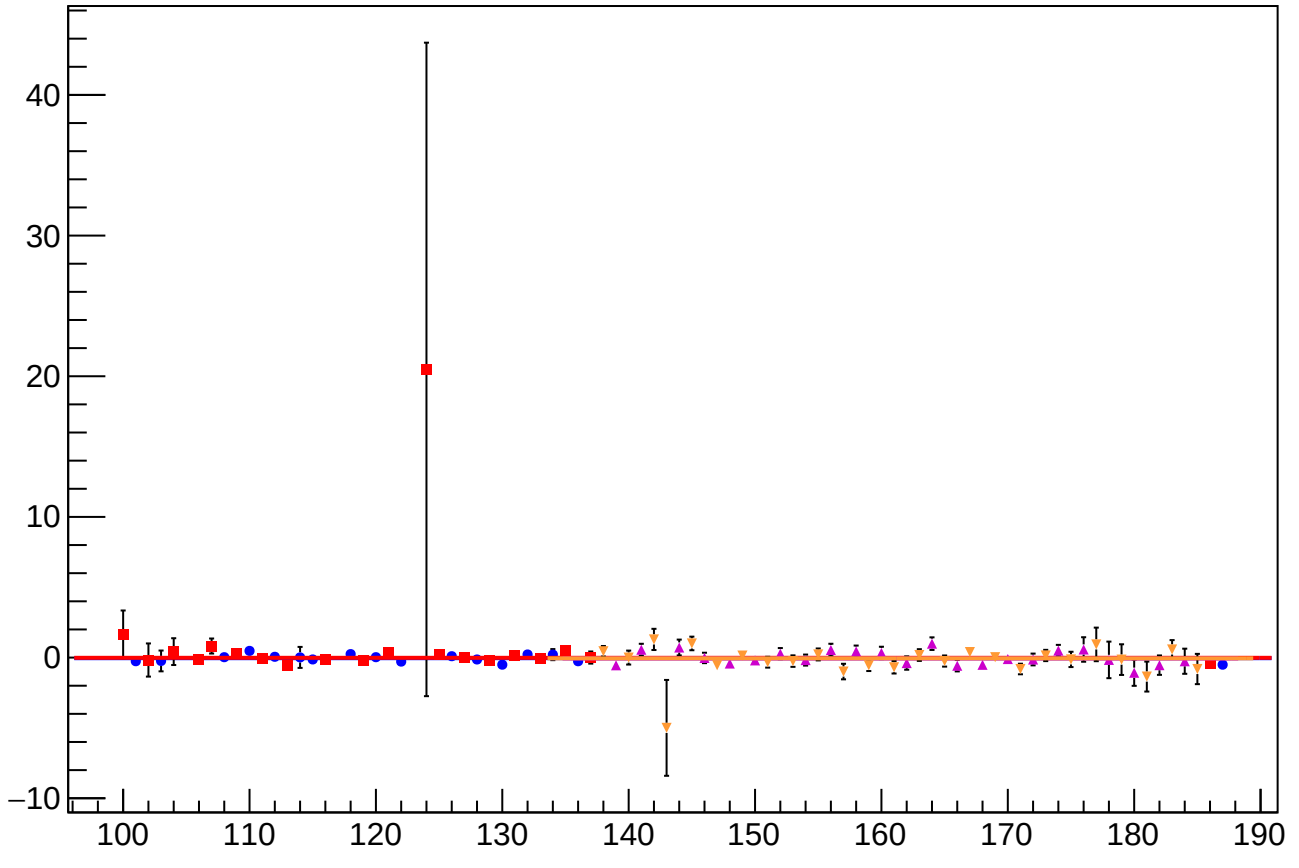
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.004+/-0.000 χ^2/NDF: 15807204.0/35

In: 0.007+/-0.000 χ^2/NDF:11422674.4/39

Out: 0.004+/-0.000 χ^2/NDF:23181143.1/42

All: 0.005+/-0.000 χ^2/NDF: 37592215.9/82



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.017+/-0.055 χ^2/NDF: 25.7/19

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

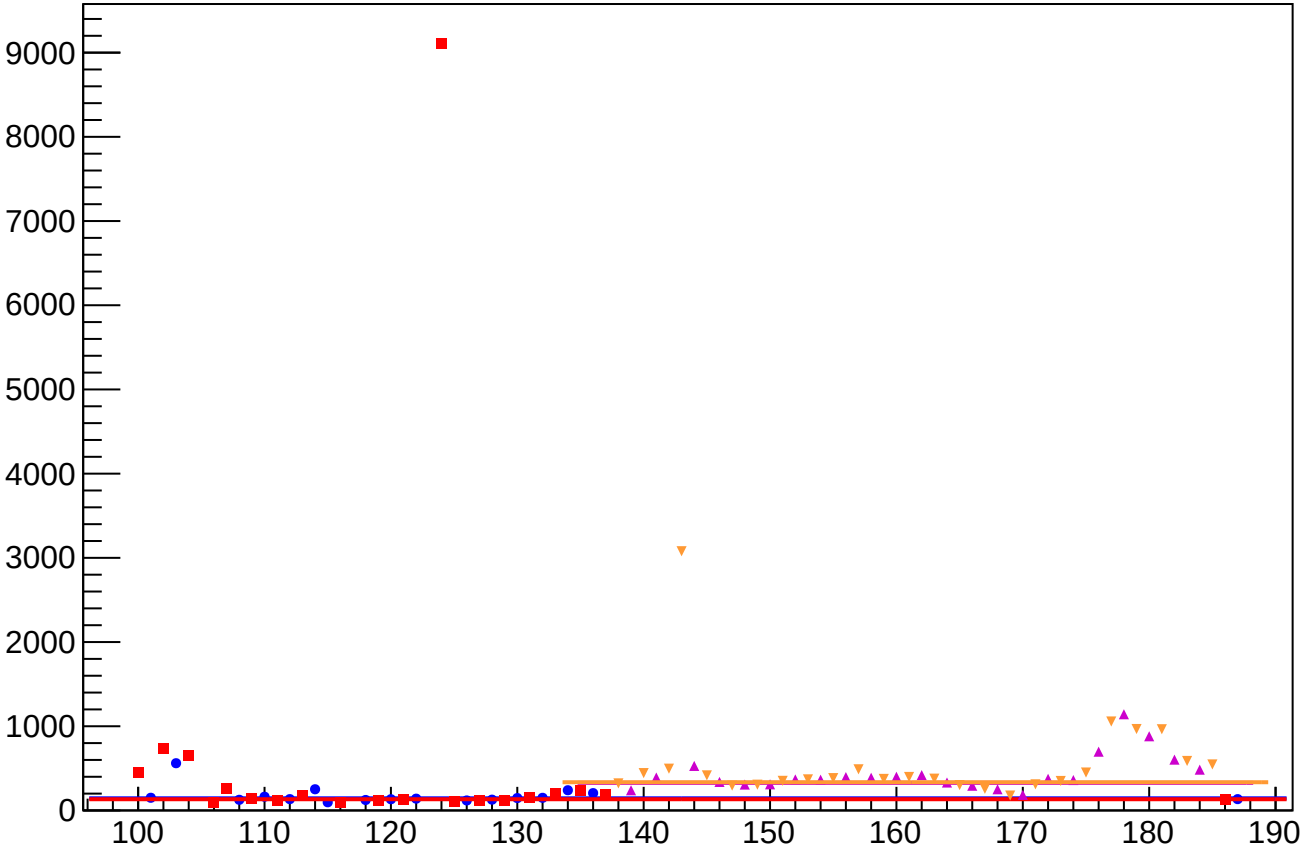
Right: -0.030+/-0.039 χ^2/NDF: 45.2/36

In: -0.050+/-0.047 χ^2/NDF:47.4/39

Out: -0.028+/-0.046 χ^2/NDF:59.0/44

All: -0.039+/-0.033 χ^2/NDF: 106.5/84

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 143.984+/-0.040 χ^2/NDF: 1130585.9/16

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 133.333+/-0.039 χ^2/NDF: 2220674.0/19

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

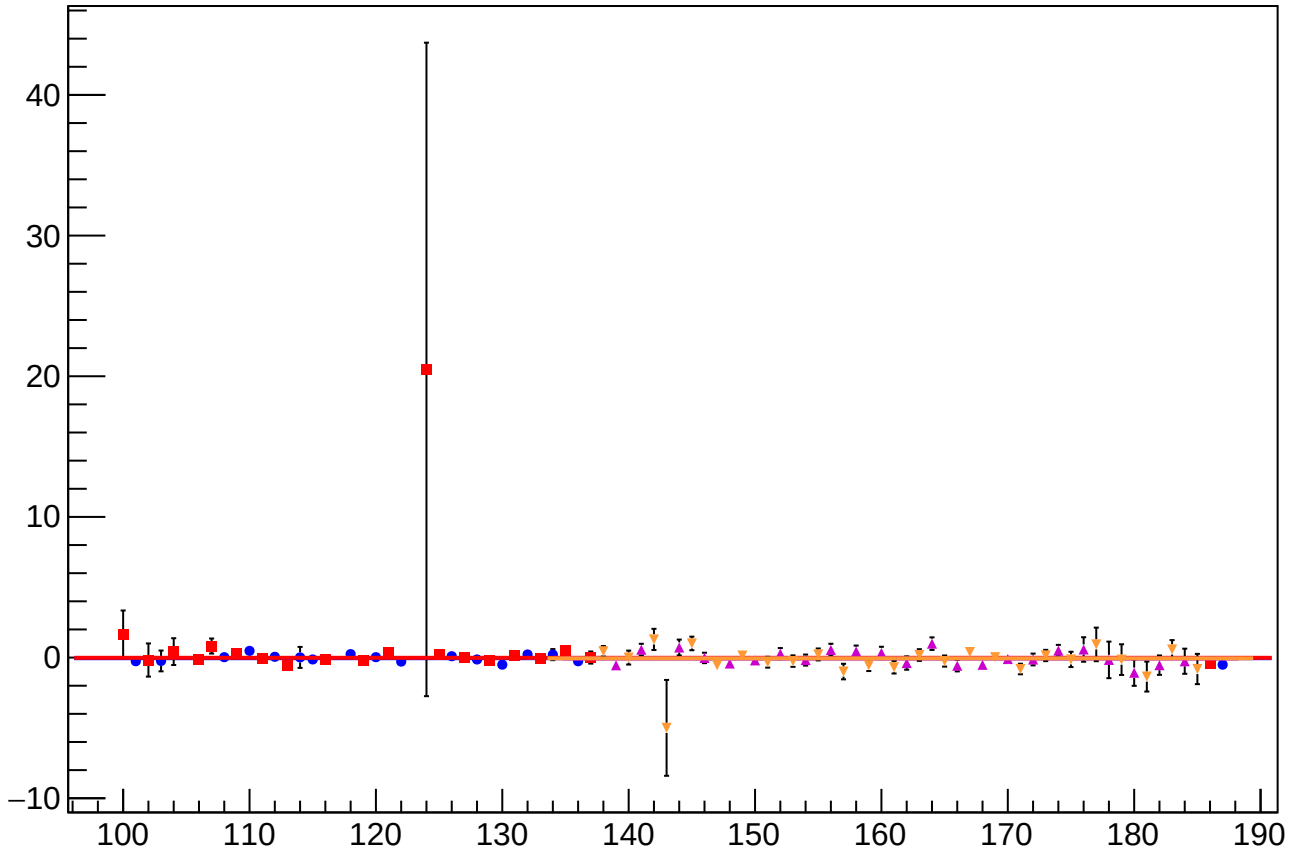
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 138.458+/-0.028 χ^2/NDF: 3387602.5/36

In: 202.953+/-0.033 χ^2/NDF:11967831.0/39

Out: 192.987+/-0.033 χ^2/NDF:16089983.6/44

All: 197.874+/-0.023 χ^2/NDF: 28103854.9/84



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.017+/-0.055 χ^2/NDF: 25.7/19

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

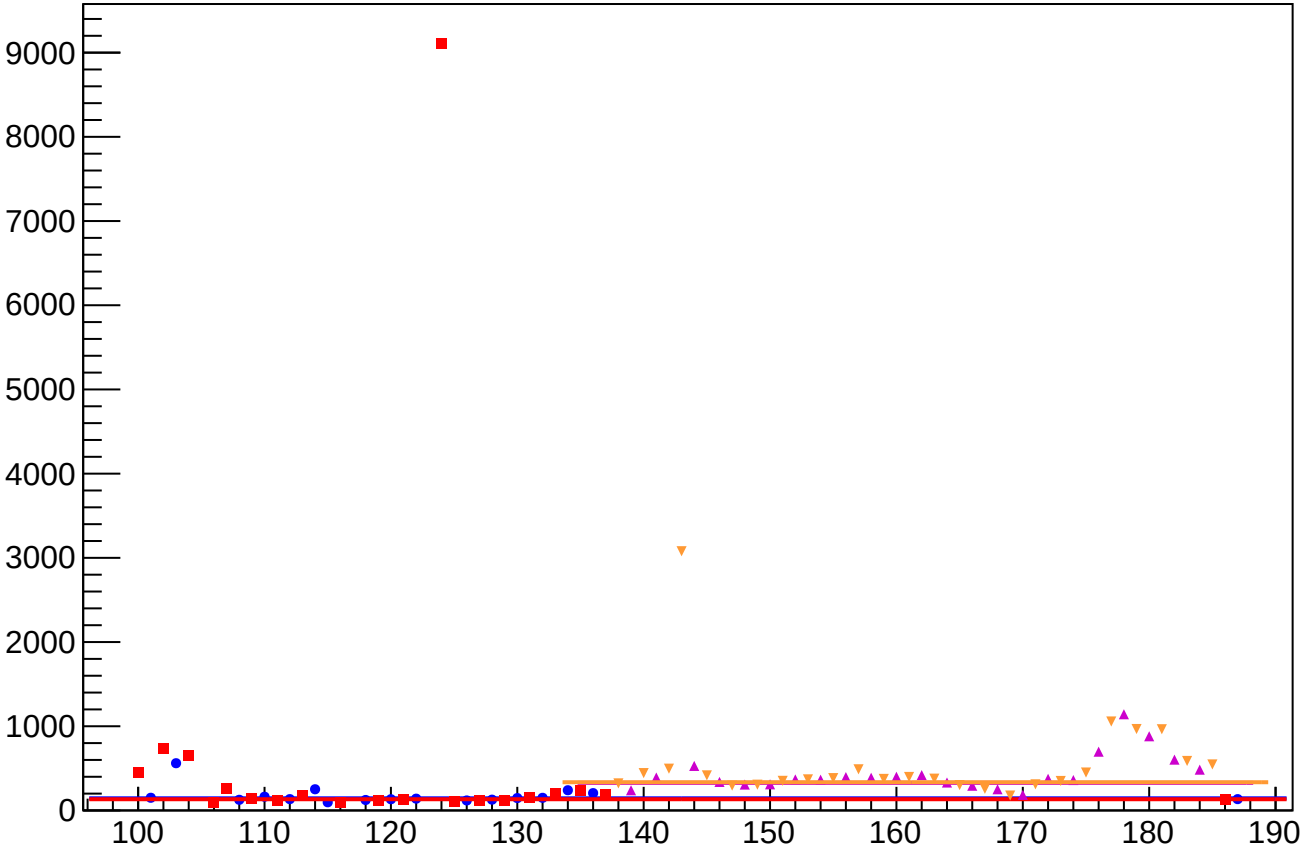
Right: -0.030+/-0.039 χ^2/NDF: 45.2/36

In: -0.050+/-0.047 χ^2/NDF:47.4/39

Out: -0.028+/-0.046 χ^2/NDF:59.0/44

All: -0.039+/-0.033 χ^2/NDF: 106.5/84

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 143.984+/-0.040 χ^2/NDF: 1130585.9/16

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 133.333+/-0.039 χ^2/NDF: 2220674.0/19

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

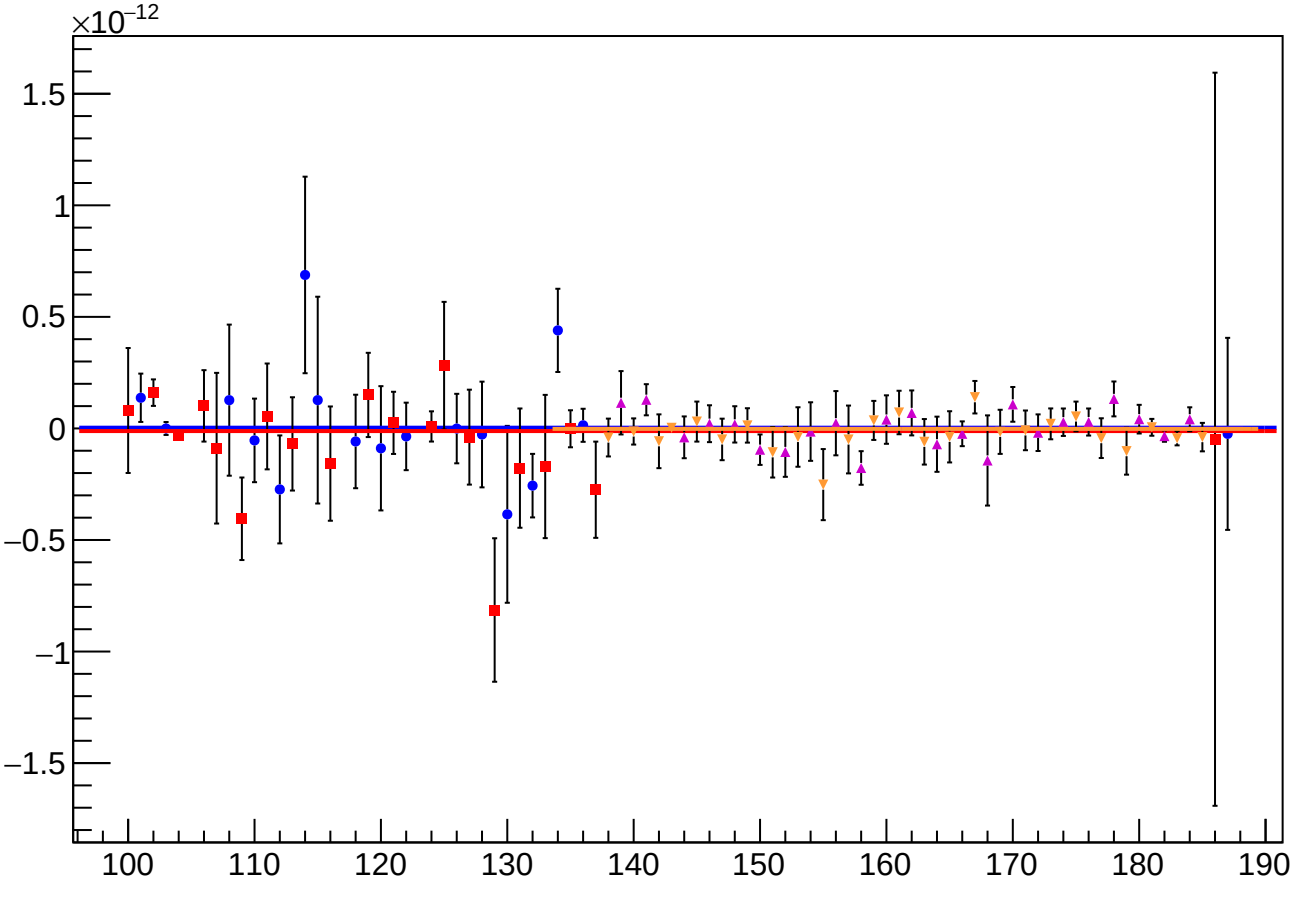
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 138.458+/-0.028 χ^2/NDF: 3387602.5/36

In: 202.953+/-0.033 χ^2/NDF:11967831.0/39

Out: 192.987+/-0.033 χ^2/NDF:16089983.6/44

All: 197.874+/-0.023 χ^2/NDF: 28103854.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/19

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

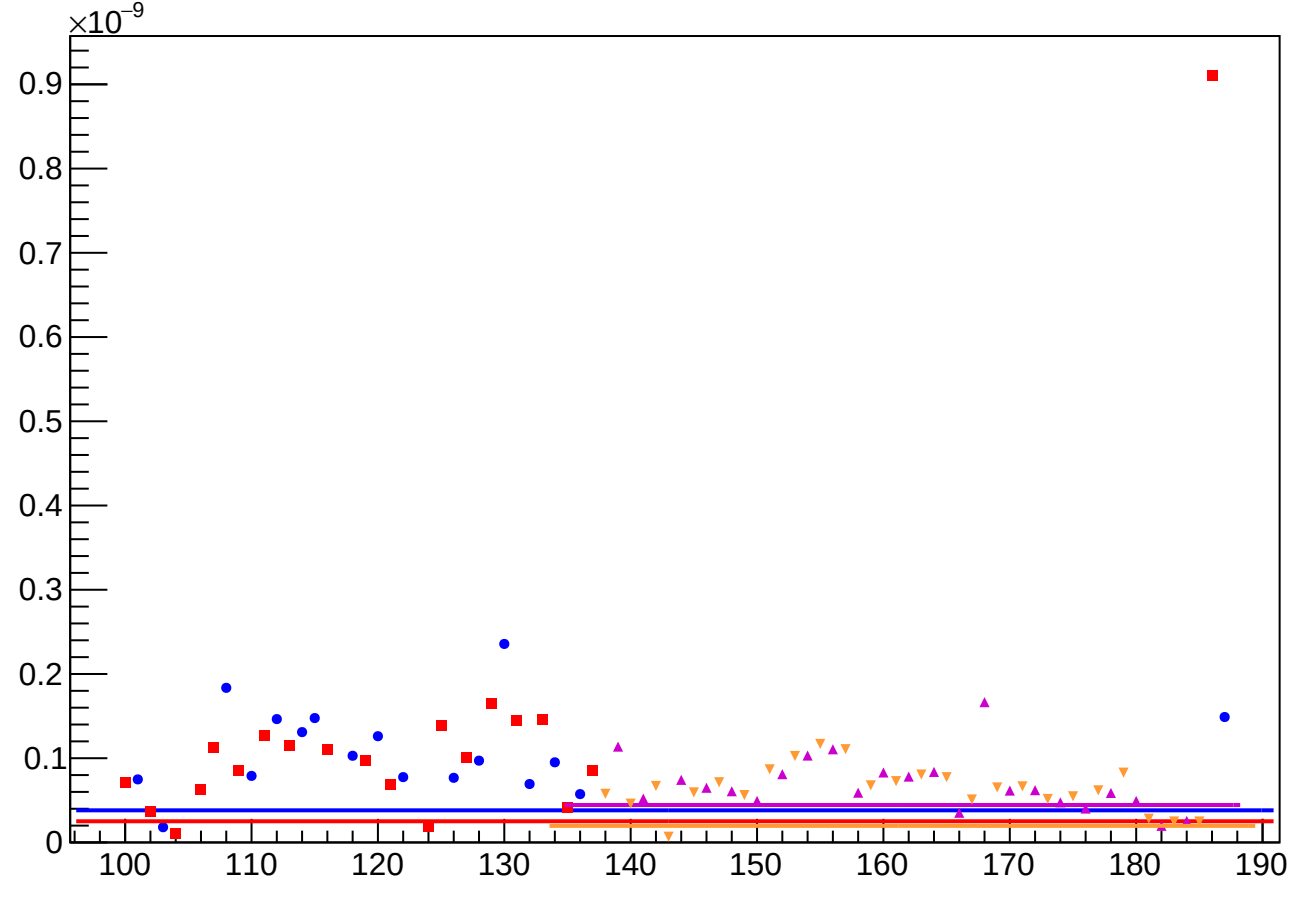
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 41.0/36

In: -0.000+/-0.000 χ^2/NDF:38.1/39

Out: -0.000+/-0.000 χ^2/NDF:39.0/44

All: -0.000+/-0.000 χ^2/NDF: 77.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 4075607.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5283181.3/19

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

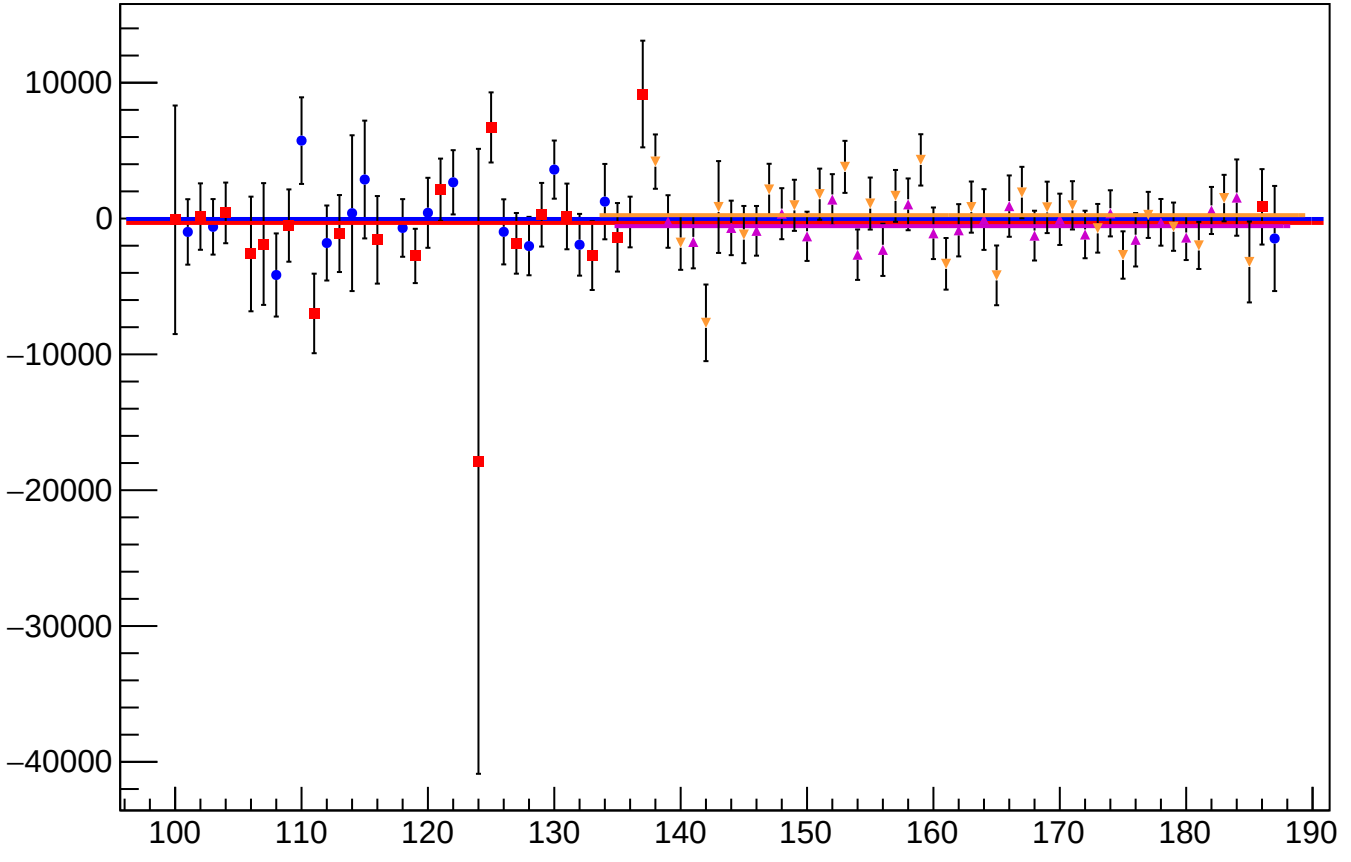
Right: 0.000+/-0.000 χ^2/NDF: 9727937.6/36

In: 0.000+/-0.000 χ^2/NDF:10099202.0/39

Out: 0.000+/-0.000 χ^2/NDF:20315638.7/44

All: 0.000+/-0.000 χ^2/NDF: 35208798.2/84

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -32.486+/-612.103 χ^2/NDF: 12.6/16

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -323.106+/-617.802 χ^2/NDF: 24.2/19

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

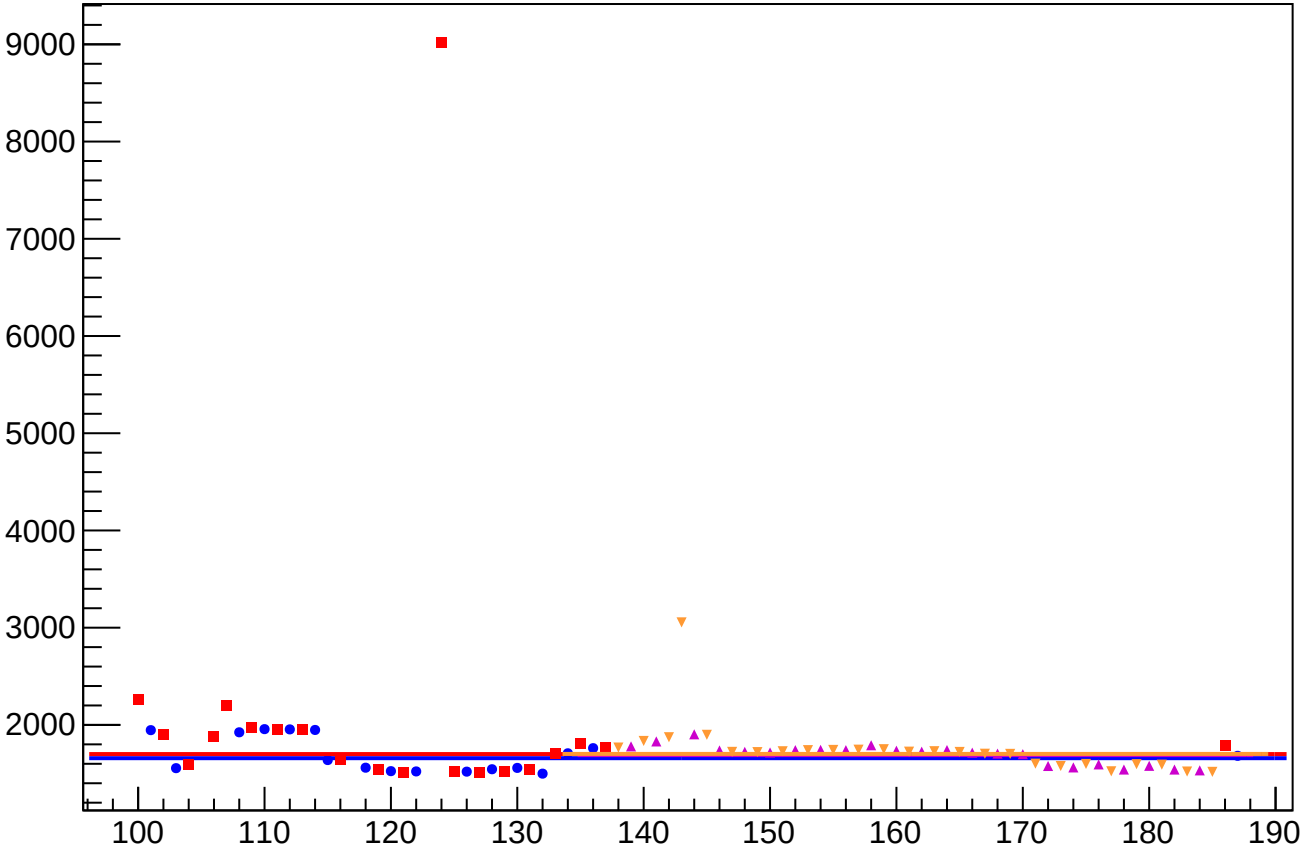
Right: -176.450+/-434.823 χ^2/NDF: 36.9/36

In: -404.845+/-331.960 χ^2/NDF:20.6/39

Out: 86.131+/-329.077 χ^2/NDF:64.4/44

All: -157.215+/-233.705 χ^2/NDF: 86.2/84

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1700.103+/-0.435 χ^2/NDF: 388249.0/19

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

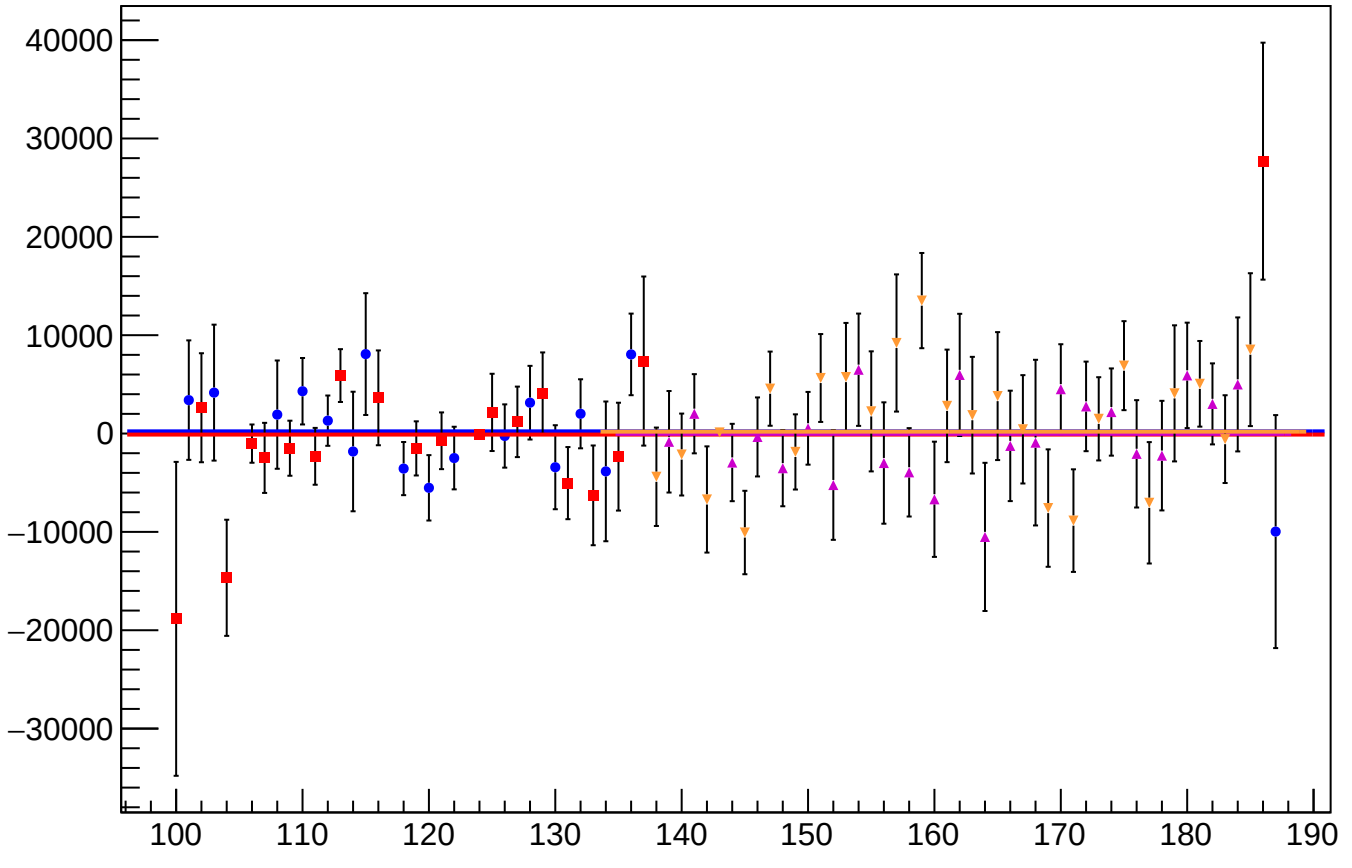
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1678.819+/-0.307 χ^2/NDF: 537078.2/36

In: 1679.989+/-0.235 χ^2/NDF:270123.9/39

Out: 1701.160+/-0.232 χ^2/NDF:840636.3/44

All: 1690.680+/-0.165 χ^2/NDF: 1114868.1/84



Right In: 222.165+/-957.923 χ^2/NDF: 16.0/16

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -105.512+/-323.598 χ^2/NDF: 26.2/19

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

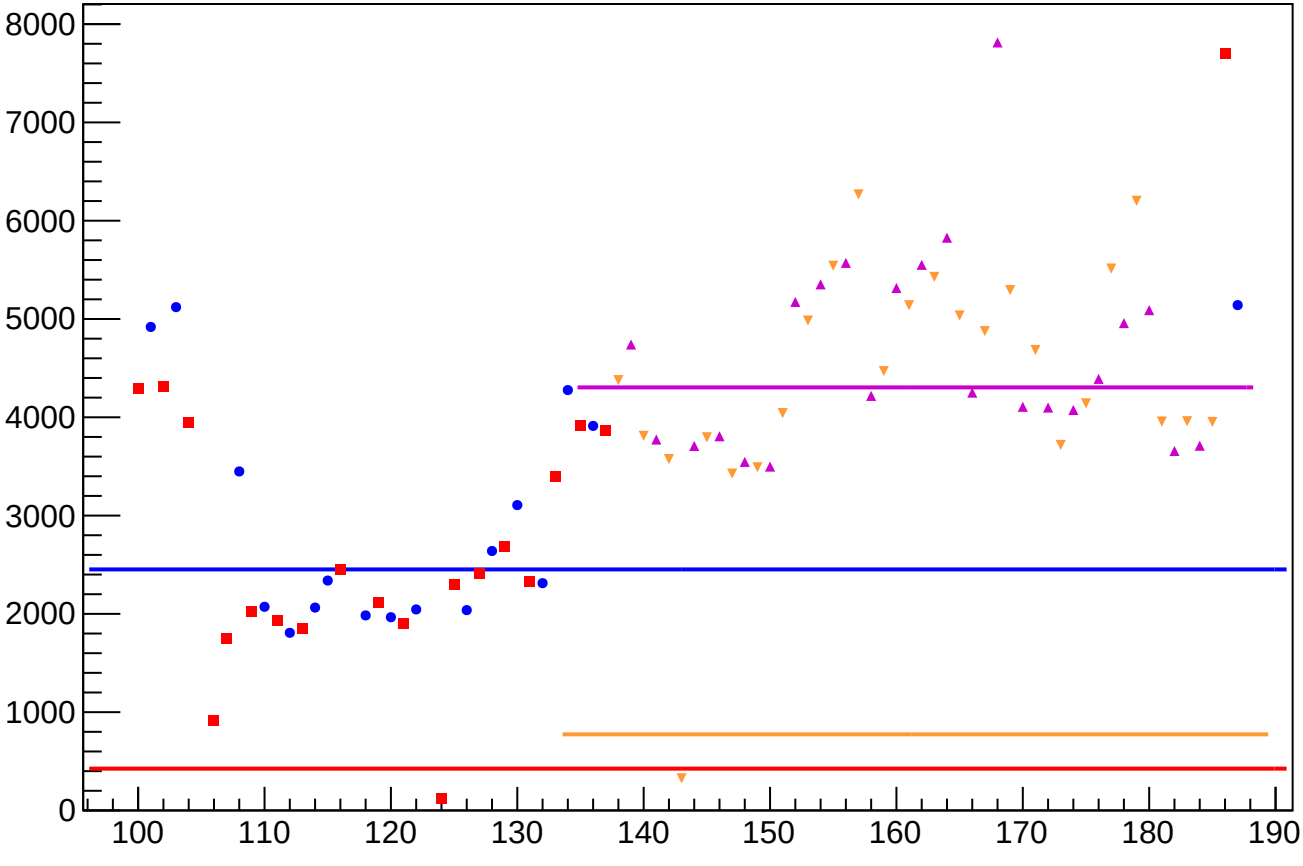
Right: -71.949+/-306.577 χ^2/NDF: 42.2/36

In: 105.254+/-700.020 χ^2/NDF:29.3/39

Out: 35.242+/-235.421 χ^2/NDF:60.5/44

All: 42.356+/-223.140 χ^2/NDF: 89.8/84

asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2452.295+/-0.677 χ^2/NDF: 1561470.4/16

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 425.549+/-0.229 χ^2/NDF: 11794994.9/19

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

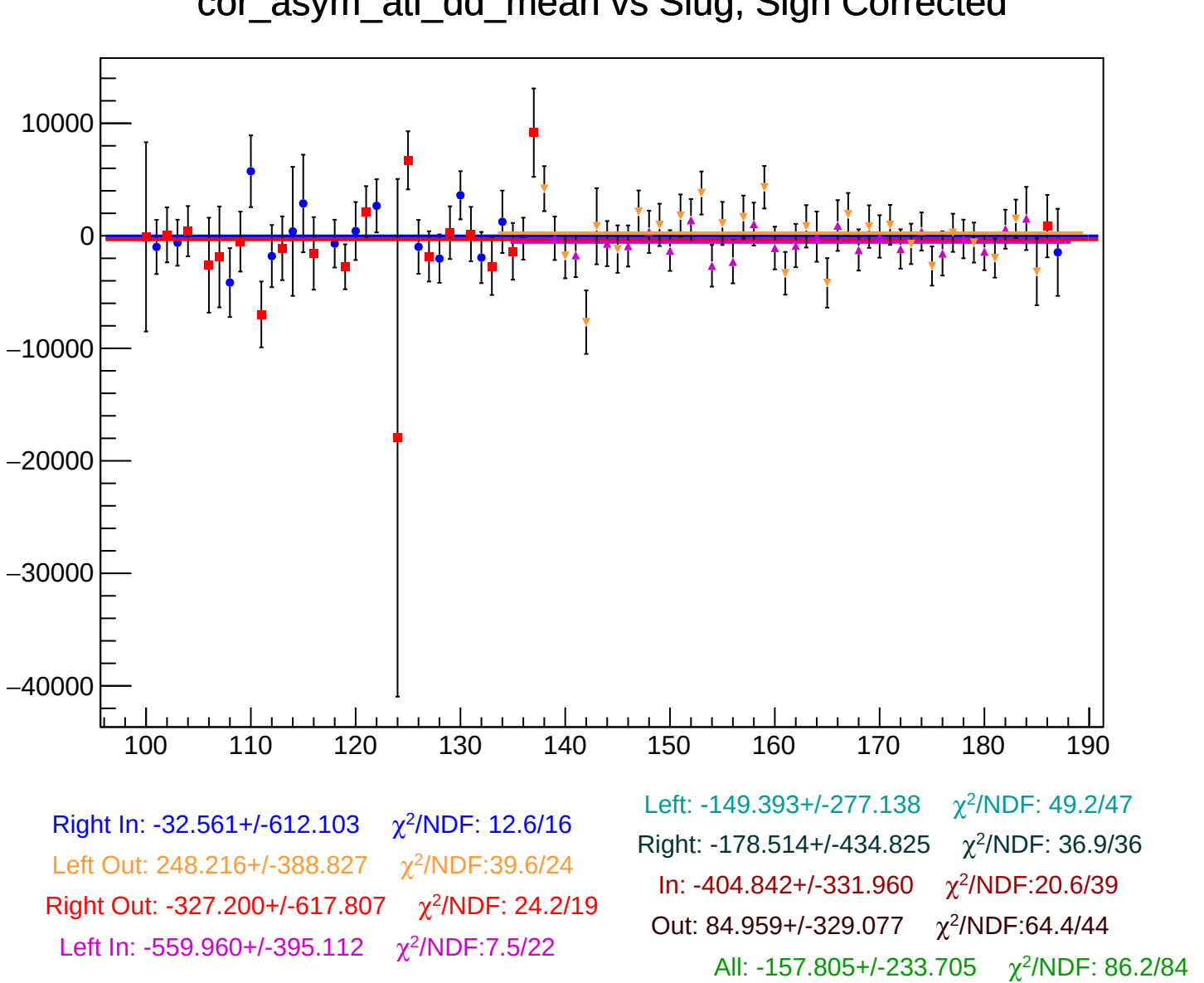
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 633.145+/-0.217 χ^2/NDF: 21392408.6/36

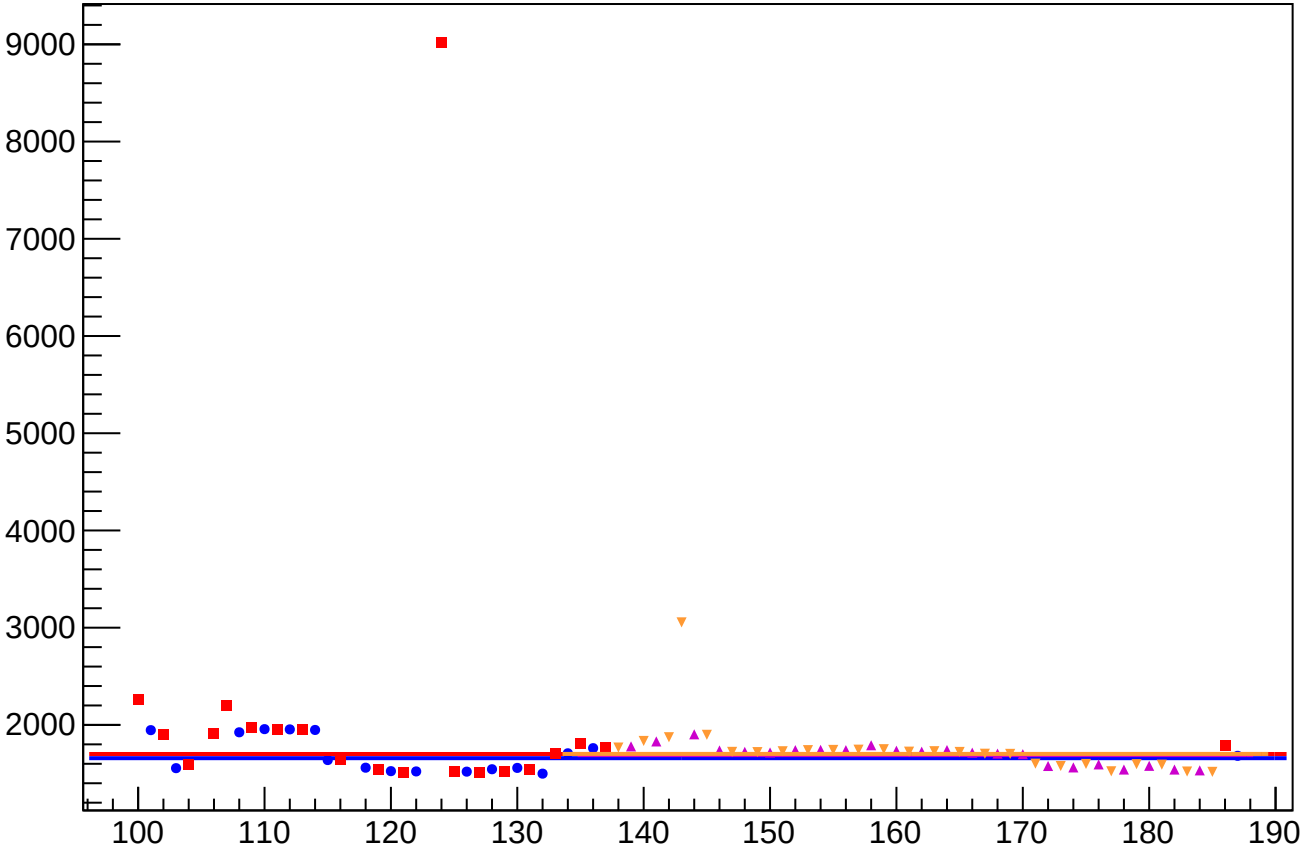
In: 3315.152+/-0.495 χ^2/NDF:6260464.5/39

Out: 589.684+/-0.166 χ^2/NDF:40973655.7/44

All: 866.618+/-0.158 χ^2/NDF: 74470959.9/84


cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -32.561+/-612.103 χ²/NDF: 12.6/16
Left Out: 248.216+/-388.827 χ²/NDF:39.6/24
Right Out: -327.200+/-617.807 χ²/NDF: 24.2/19
Left In: -559.960+/-395.112 χ²/NDF:7.5/22
Left: -149.393+/-277.138 χ²/NDF: 49.2/47
Right: -178.514+/-434.825 χ²/NDF: 36.9/36
In: -404.842+/-331.960 χ²/NDF:20.6/39
Out: 84.959+/-329.077 χ²/NDF:64.4/44
All: -157.805+/-233.705 χ²/NDF: 86.2/84

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1700.861+/-0.435 χ^2/NDF: 389971.7/19

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

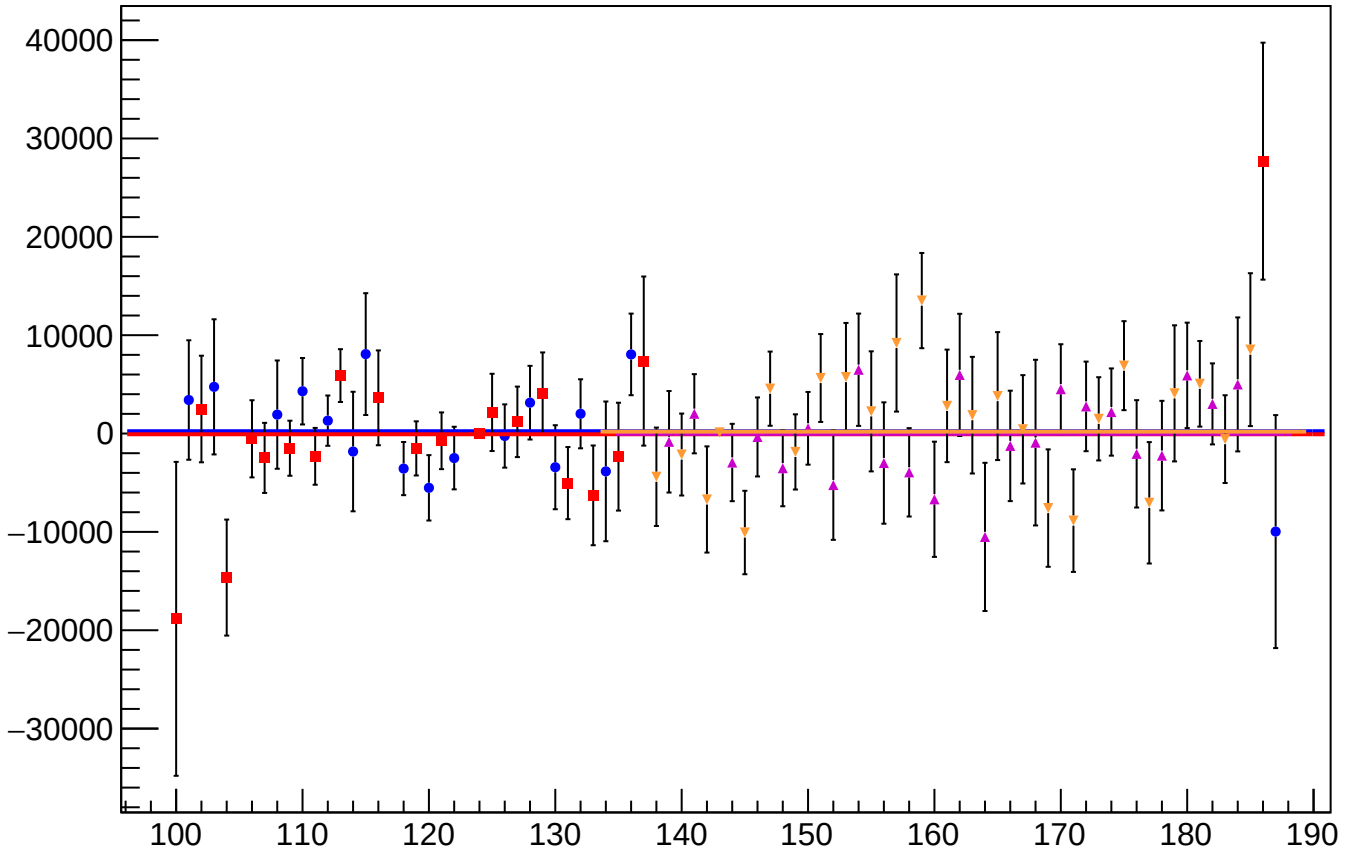
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1679.187+/-0.307 χ^2/NDF: 538971.0/36

In: 1679.989+/-0.235 χ^2/NDF:270124.0/39

Out: 1701.377+/-0.232 χ^2/NDF:842352.8/44

All: 1690.788+/-0.165 χ^2/NDF: 1116668.6/84



Right In: 234.679+/-957.806 χ^2/NDF: 16.1/16

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -73.166+/-315.649 χ^2/NDF: 25.9/19

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

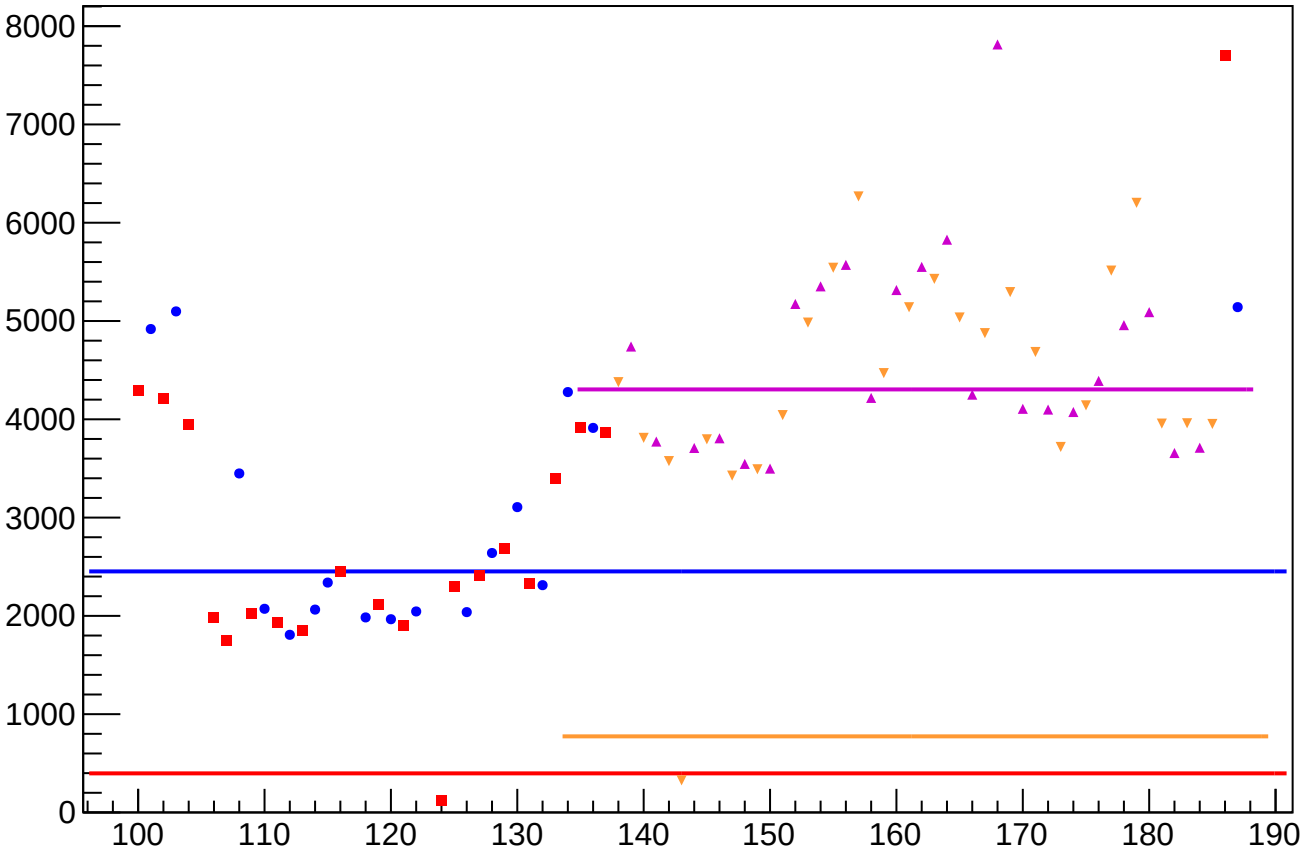
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -43.008+/-299.789 χ^2/NDF: 42.1/36

In: 111.936+/-699.973 χ^2/NDF:29.4/39

Out: 49.261+/-232.299 χ^2/NDF:60.2/44

All: 55.479+/-220.475 χ^2/NDF: 89.6/84



Right In: 2452.455+/-0.677 χ^2/NDF: 1559764.6/16

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 397.686+/-0.223 χ^2/NDF: 12144607.3/19

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

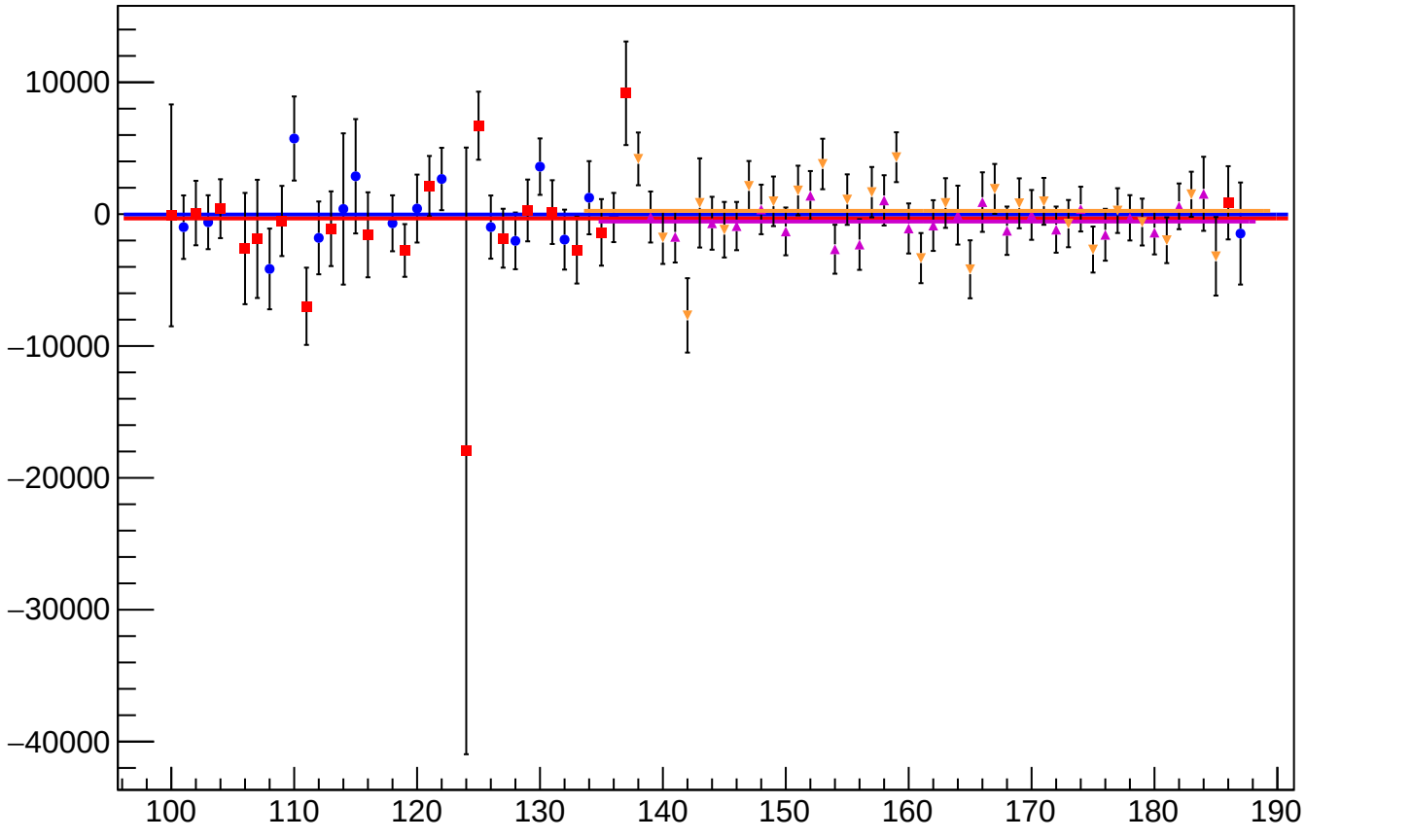
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 598.984+/-0.212 χ^2/NDF: 22007160.0/36

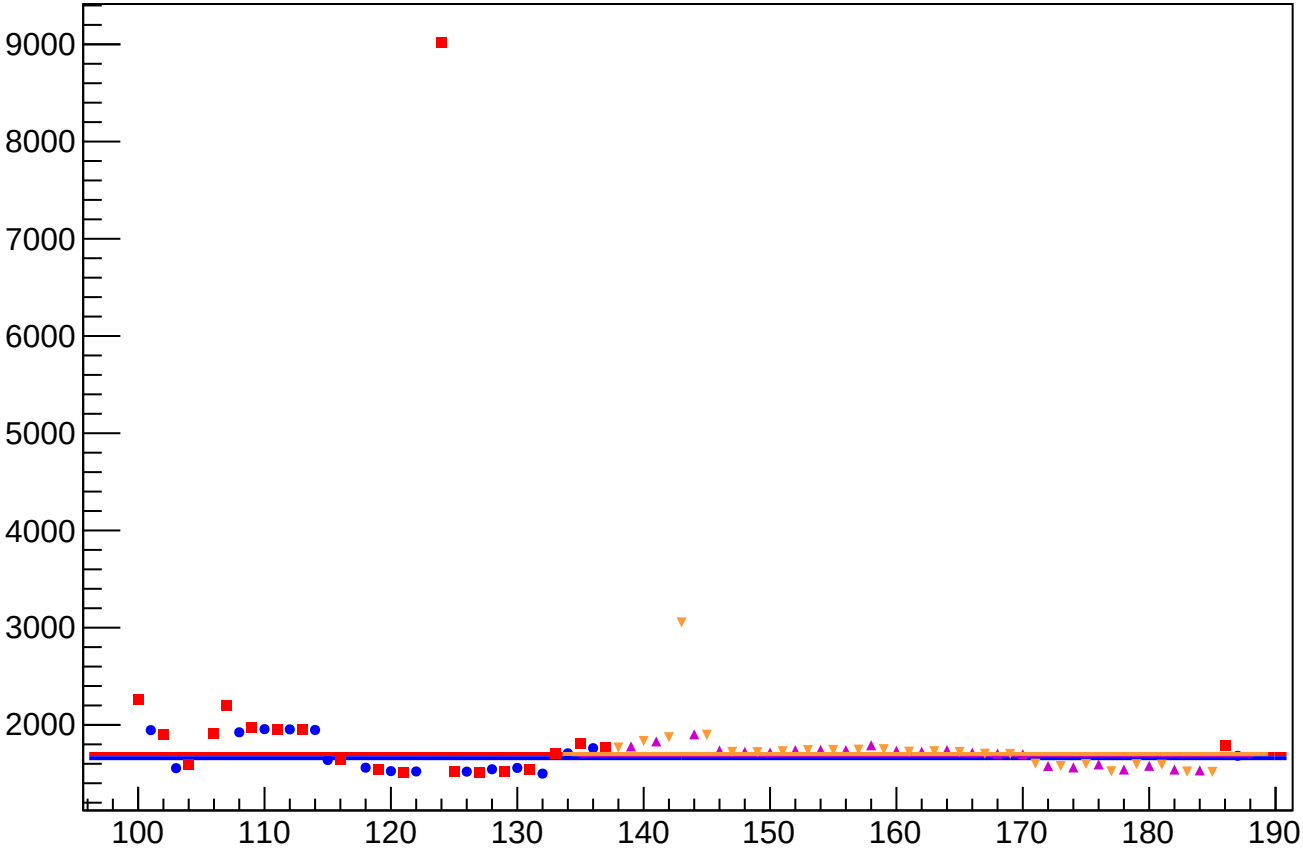
In: 3315.123+/-0.495 χ^2/NDF:6258533.0/39

Out: 570.250+/-0.164 χ^2/NDF:41535090.0/44

All: 842.569+/-0.156 χ^2/NDF: 75497127.8/84


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -32.561+/-612.103 χ²/NDF: 12.6/16
Left Out: 248.216+/-388.827 χ²/NDF:39.6/24
Right Out: -327.200+/-617.807 χ²/NDF: 24.2/19
Left In: -559.960+/-395.112 χ²/NDF:7.5/22
Left: -149.393+/-277.138 χ²/NDF: 49.2/47
Right: -178.514+/-434.825 χ²/NDF: 36.9/36
In: -404.842+/-331.960 χ²/NDF:20.6/39
Out: 84.959+/-329.077 χ²/NDF:64.4/44
All: -157.805+/-233.705 χ²/NDF: 86.2/84

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1700.861+/-0.435 χ^2/NDF: 389971.7/19

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

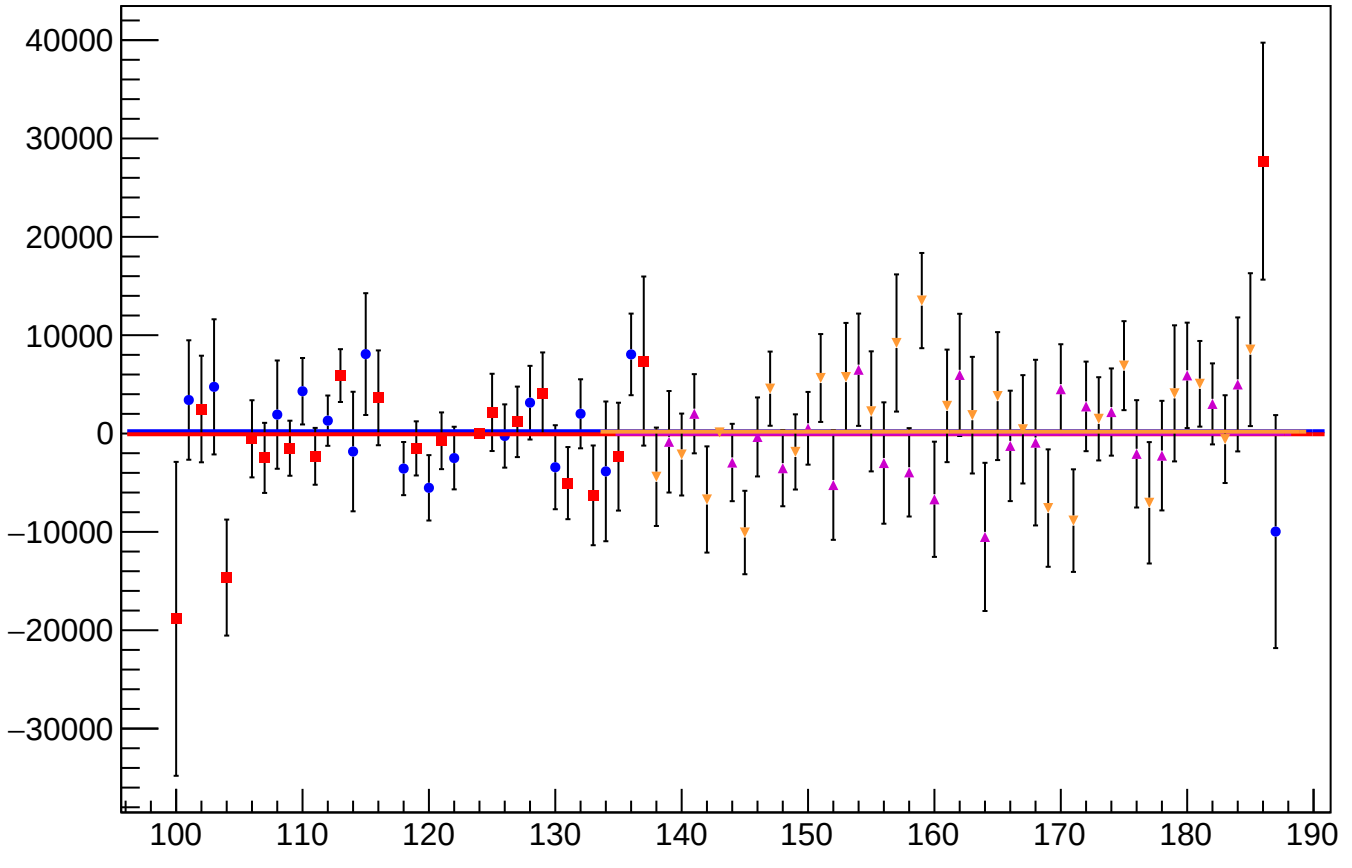
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1679.187+/-0.307 χ^2/NDF: 538971.0/36

In: 1679.989+/-0.235 χ^2/NDF:270124.0/39

Out: 1701.377+/-0.232 χ^2/NDF:842352.8/44

All: 1690.788+/-0.165 χ^2/NDF: 1116668.6/84



Right In: 234.679+/-957.806 χ^2/NDF: 16.1/16

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -73.166+/-315.649 χ^2/NDF: 25.9/19

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

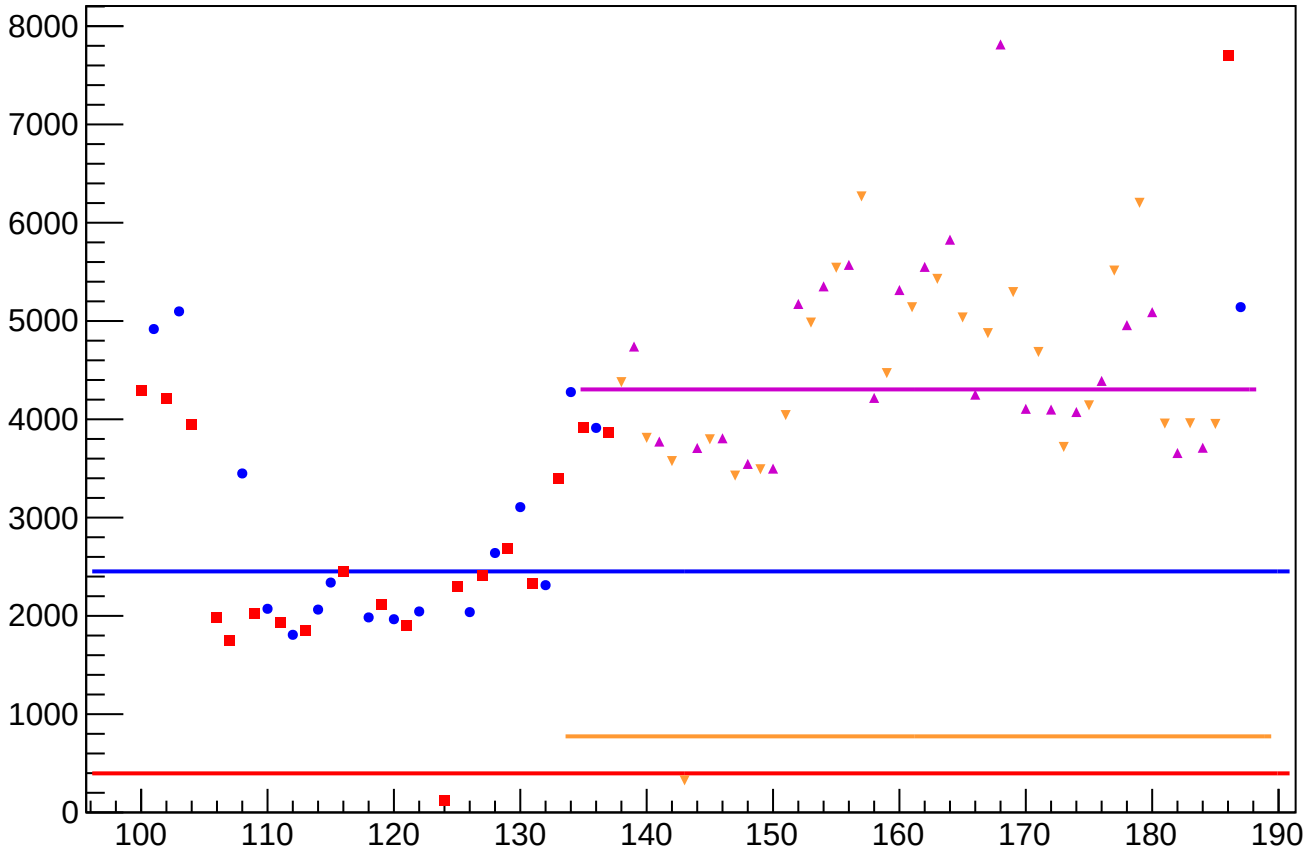
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -43.008+/-299.789 χ^2/NDF: 42.1/36

In: 111.936+/-699.973 χ^2/NDF:29.4/39

Out: 49.261+/-232.299 χ^2/NDF:60.2/44

All: 55.479+/-220.475 χ^2/NDF: 89.6/84



Right In: 2452.455+/-0.677 χ^2/NDF: 1559764.6/16

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 397.686+/-0.223 χ^2/NDF: 12144607.3/19

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

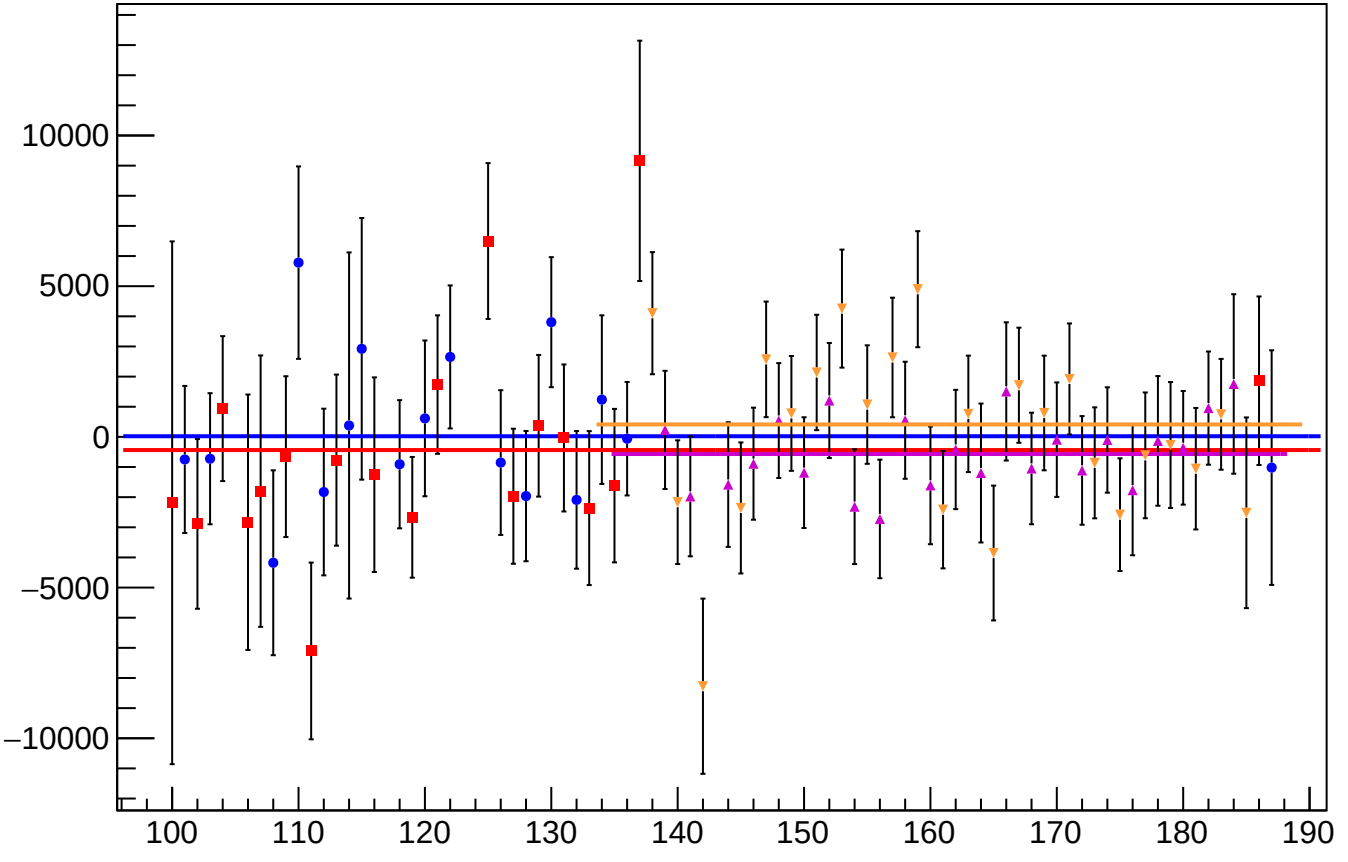
Right: 598.984+/-0.212 χ^2/NDF: 22007160.0/36

In: 3315.123+/-0.495 χ^2/NDF:6258533.0/39

Out: 570.250+/-0.164 χ^2/NDF:41535090.0/44

All: 842.569+/-0.156 χ^2/NDF: 75497127.8/84

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 21.408+/-618.206 χ^2/NDF: 12.9/16

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -437.049+/-628.759 χ^2/NDF: 24.0/18

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

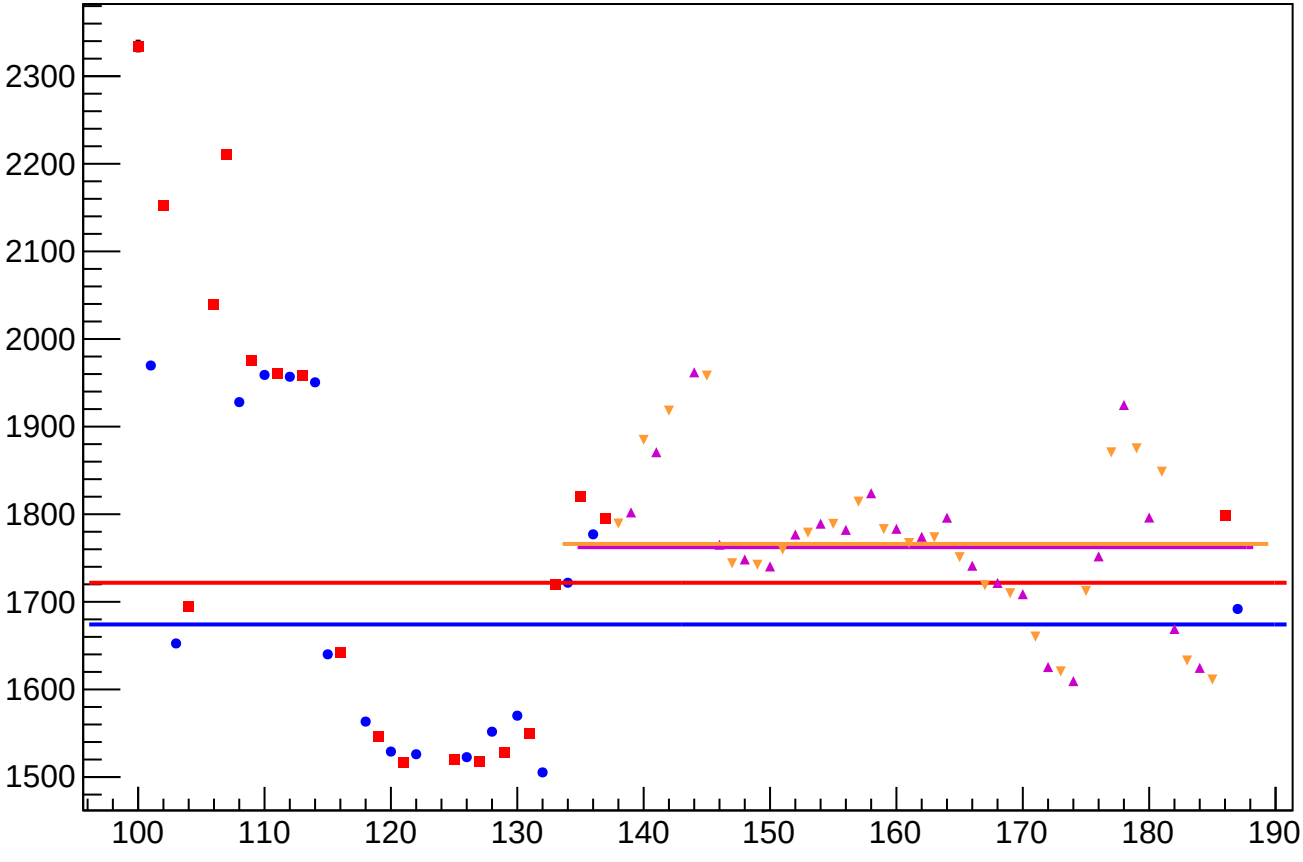
Right: -203.941+/-440.821 χ^2/NDF: 37.1/35

In: -387.265+/-342.870 χ^2/NDF:21.3/39

Out: 159.143+/-343.750 χ^2/NDF:65.3/42

All: -114.762+/-242.756 χ^2/NDF: 87.8/82

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1674.186+/-0.437 χ^2/NDF: 140915.4/16

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1721.778+/-0.444 χ^2/NDF: 229224.7/18

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

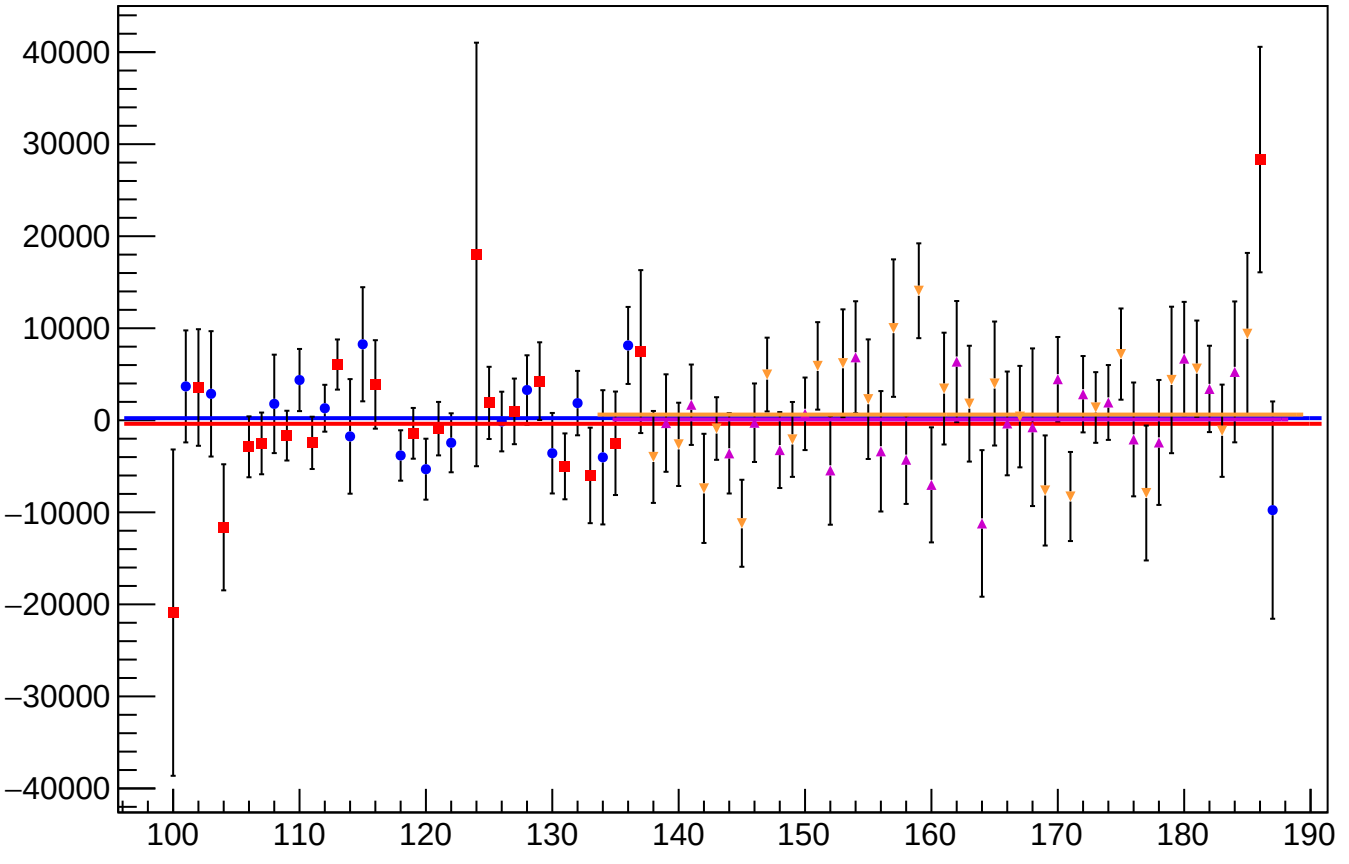
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1697.631+/-0.311 χ^2/NDF: 375979.3/35

In: 1735.269+/-0.242 χ^2/NDF:249205.7/39

Out: 1752.822+/-0.243 χ^2/NDF:319471.1/42

All: 1744.029+/-0.172 χ^2/NDF: 571292.8/82



Right In: 229.820+/-961.473 χ^2/NDF: 16.0/16

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -381.522+/-881.676 χ^2/NDF: 24.3/19

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

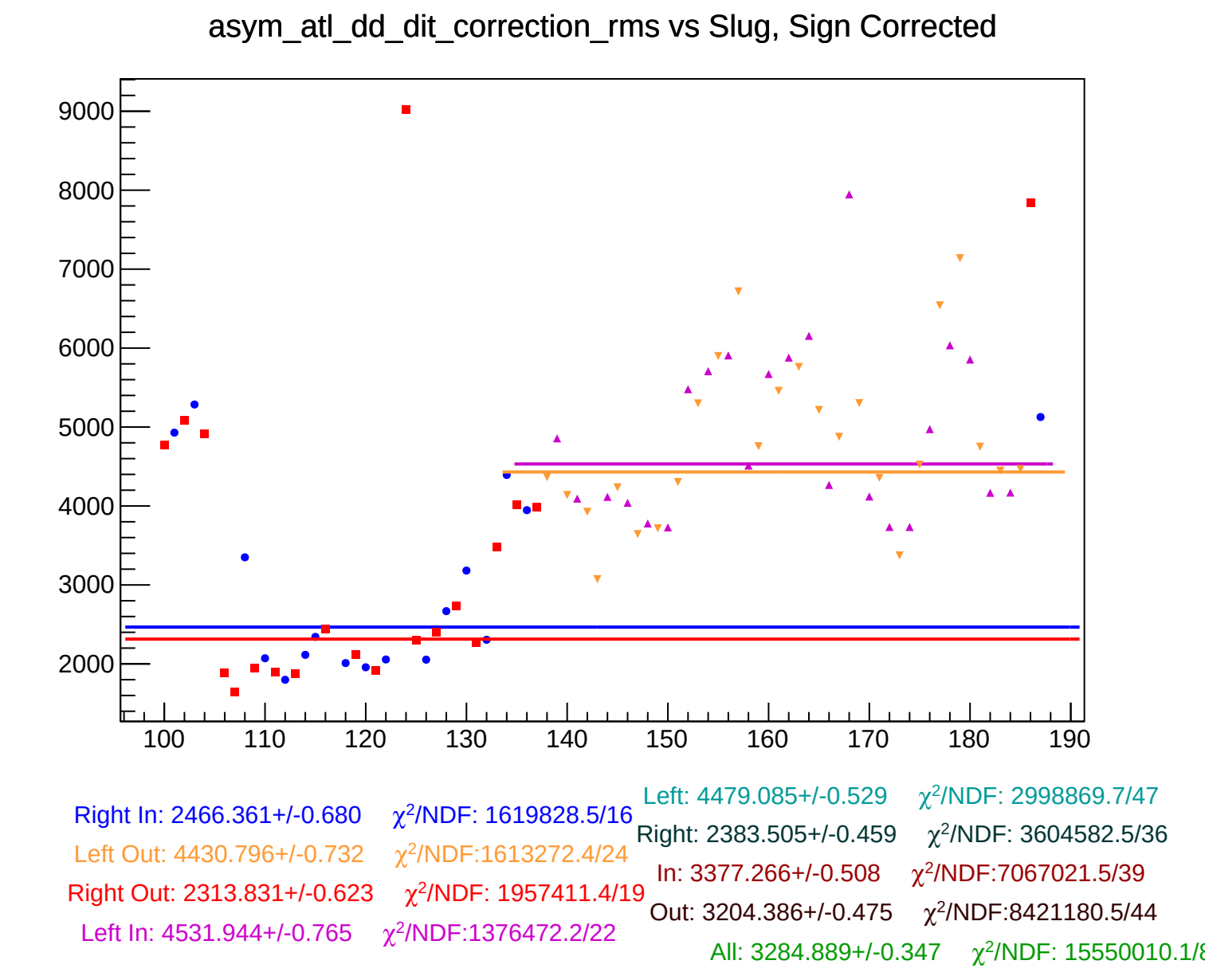
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

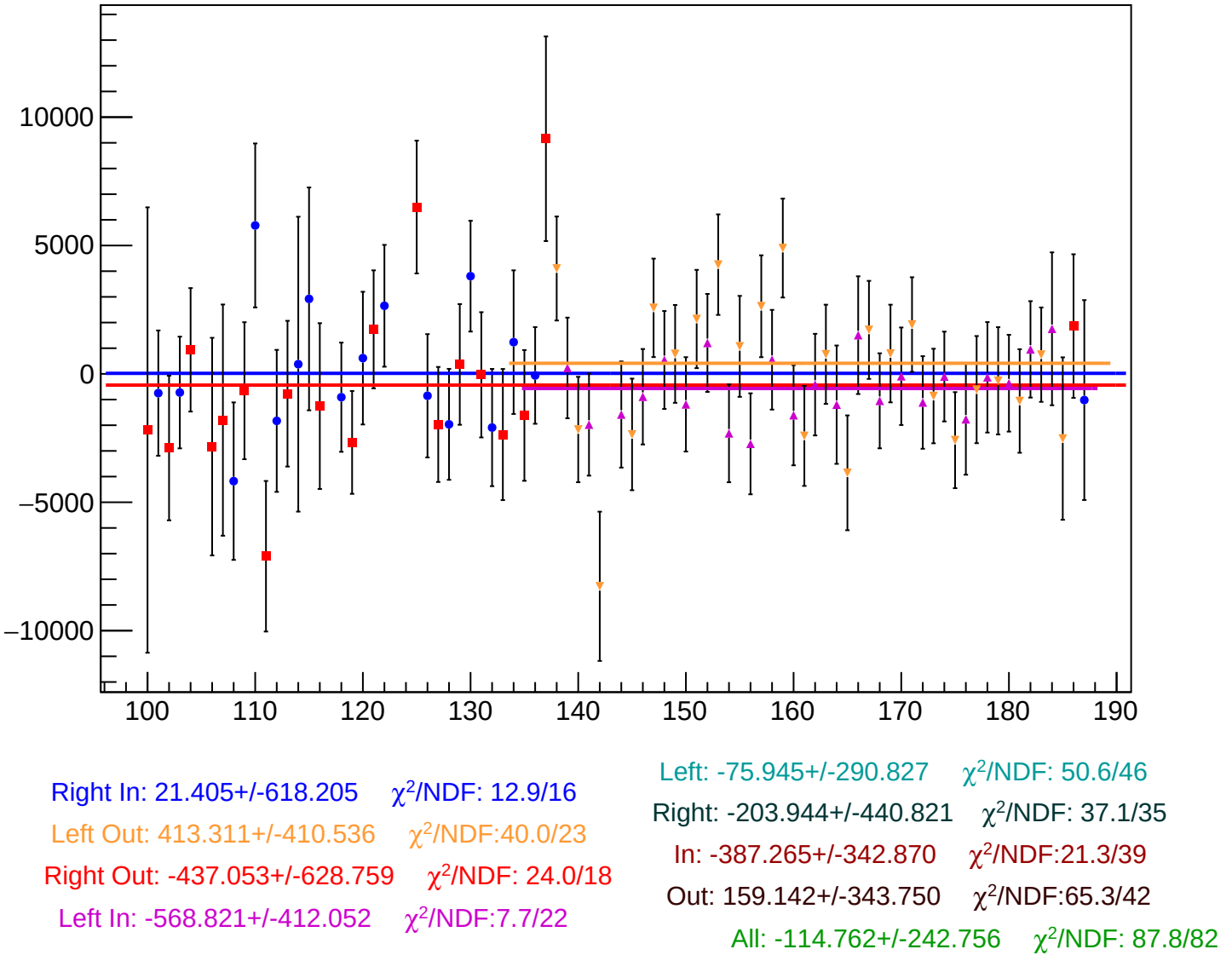
Right: -102.269+/-649.822 χ^2/NDF: 40.5/36

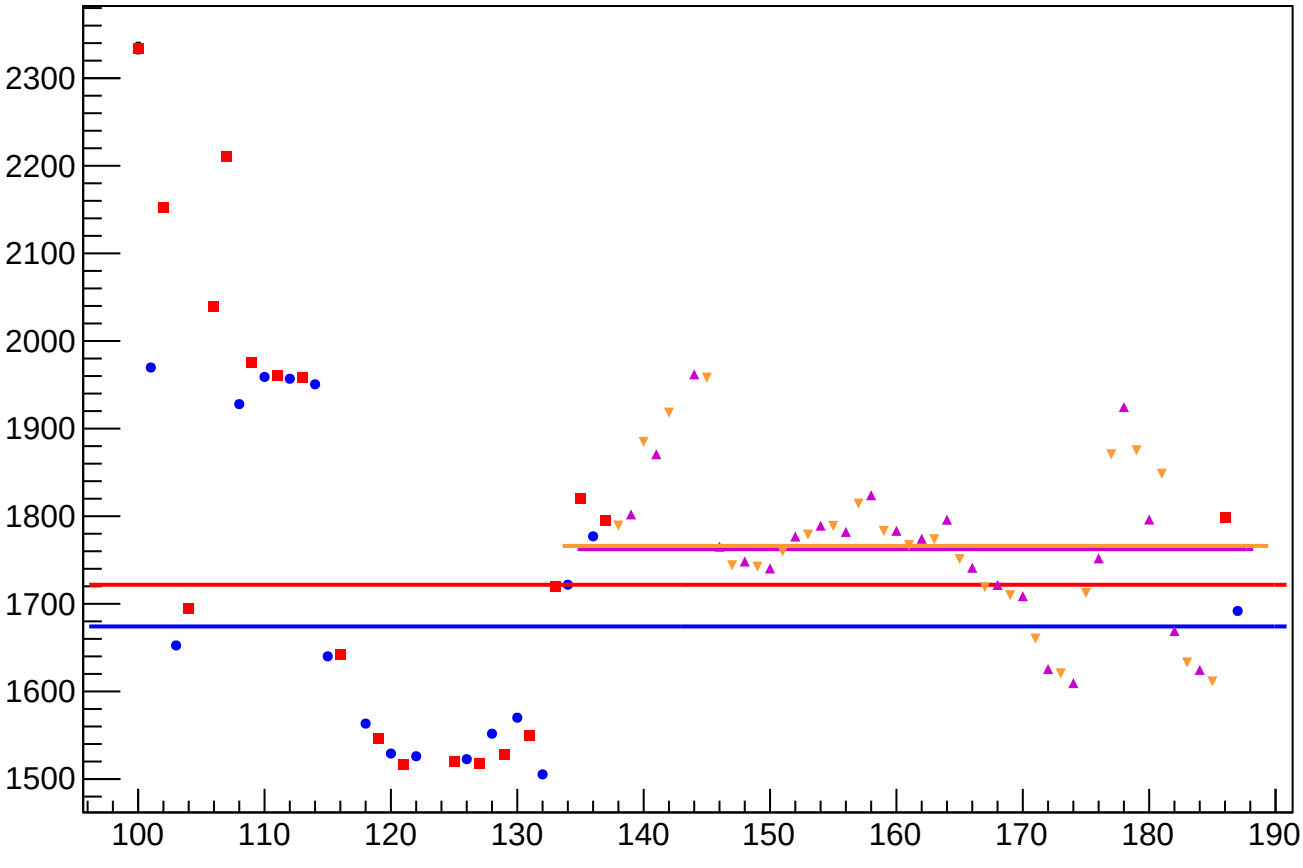
In: 166.181+/-718.863 χ^2/NDF:28.9/39

Out: 39.650+/-671.074 χ^2/NDF:57.9/44

All: 98.570+/-490.546 χ^2/NDF: 86.8/84


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2466.361+/-0.680 χ²/NDF: 1619828.5/16
Left Out: 4430.796+/-0.732 χ²/NDF:1613272.4/24
Right Out: 2313.831+/-0.623 χ²/NDF: 1957411.4/19
Left In: 4531.944+/-0.765 χ²/NDF:1376472.2/22
Left: 4479.085+/-0.529 χ²/NDF: 2998869.7/47
Right: 2383.505+/-0.459 χ²/NDF: 3604582.5/36
In: 3377.266+/-0.508 χ²/NDF:7067021.5/39
Out: 3204.386+/-0.475 χ²/NDF:8421180.5/44
All: 3284.889+/-0.347 χ²/NDF: 15550010.1/8


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 21.405+/-618.205 χ²/NDF: 12.9/16
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: -437.053+/-628.759 χ²/NDF: 24.0/18
Left In: -568.821+/-412.052 χ²/NDF:7.7/22
Left: -75.945+/-290.827 χ²/NDF: 50.6/46
Right: -203.944+/-440.821 χ²/NDF: 37.1/35
In: -387.265+/-342.870 χ²/NDF:21.3/39
Out: 159.142+/-343.750 χ²/NDF:65.3/42
All: -114.762+/-242.756 χ²/NDF: 87.8/82



Right In: 1674.186+/-0.437 χ^2/NDF: 140915.5/16

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1721.777+/-0.444 χ^2/NDF: 229224.0/18

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

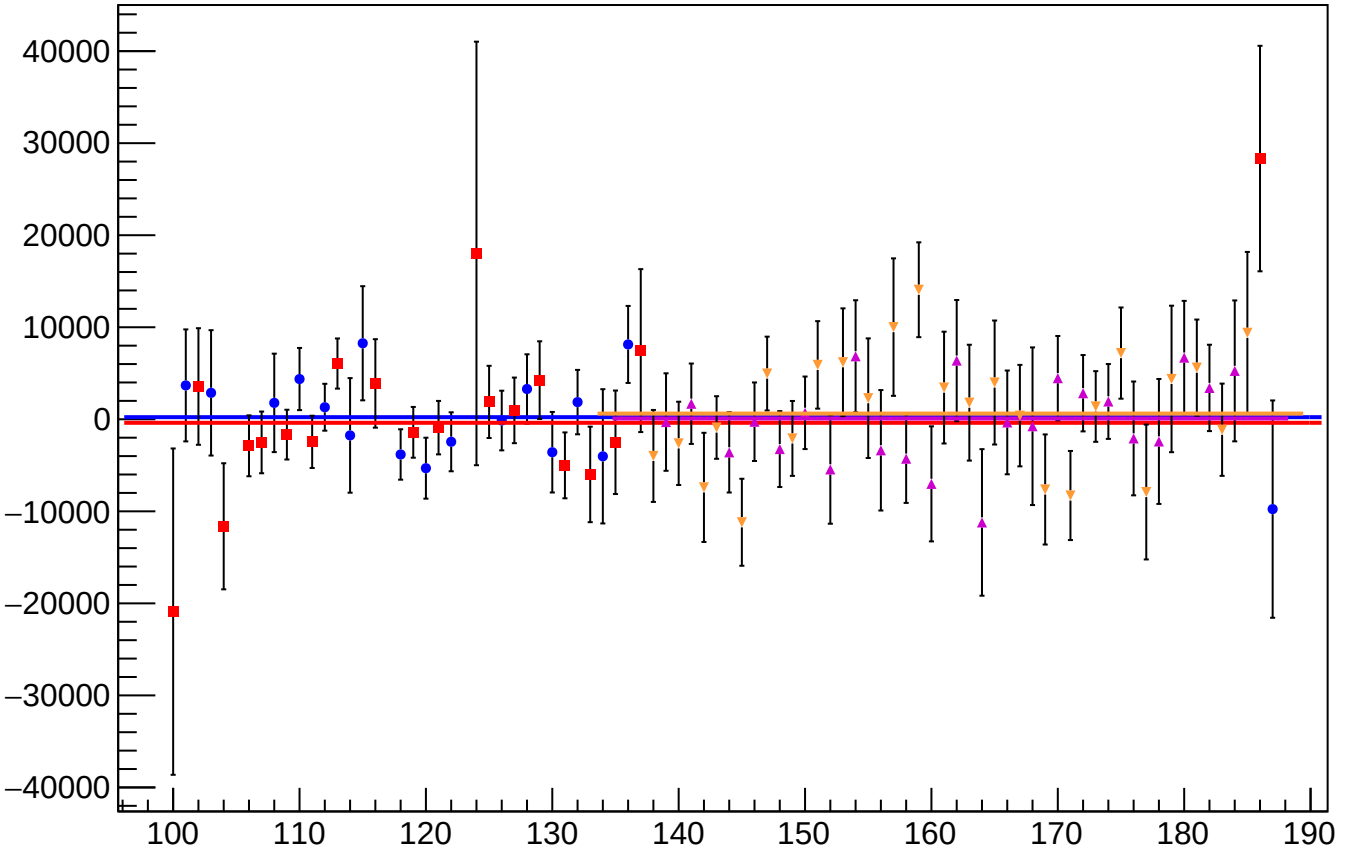
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1697.631+/-0.311 χ^2/NDF: 375978.6/35

In: 1735.269+/-0.242 χ^2/NDF:249209.2/39

Out: 1752.823+/-0.243 χ^2/NDF:319473.7/42

All: 1744.029+/-0.172 χ^2/NDF: 571298.8/82



Right In: 229.815+/-961.469 χ^2/NDF: 16.0/16

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -381.525+/-881.673 χ^2/NDF: 24.3/19

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

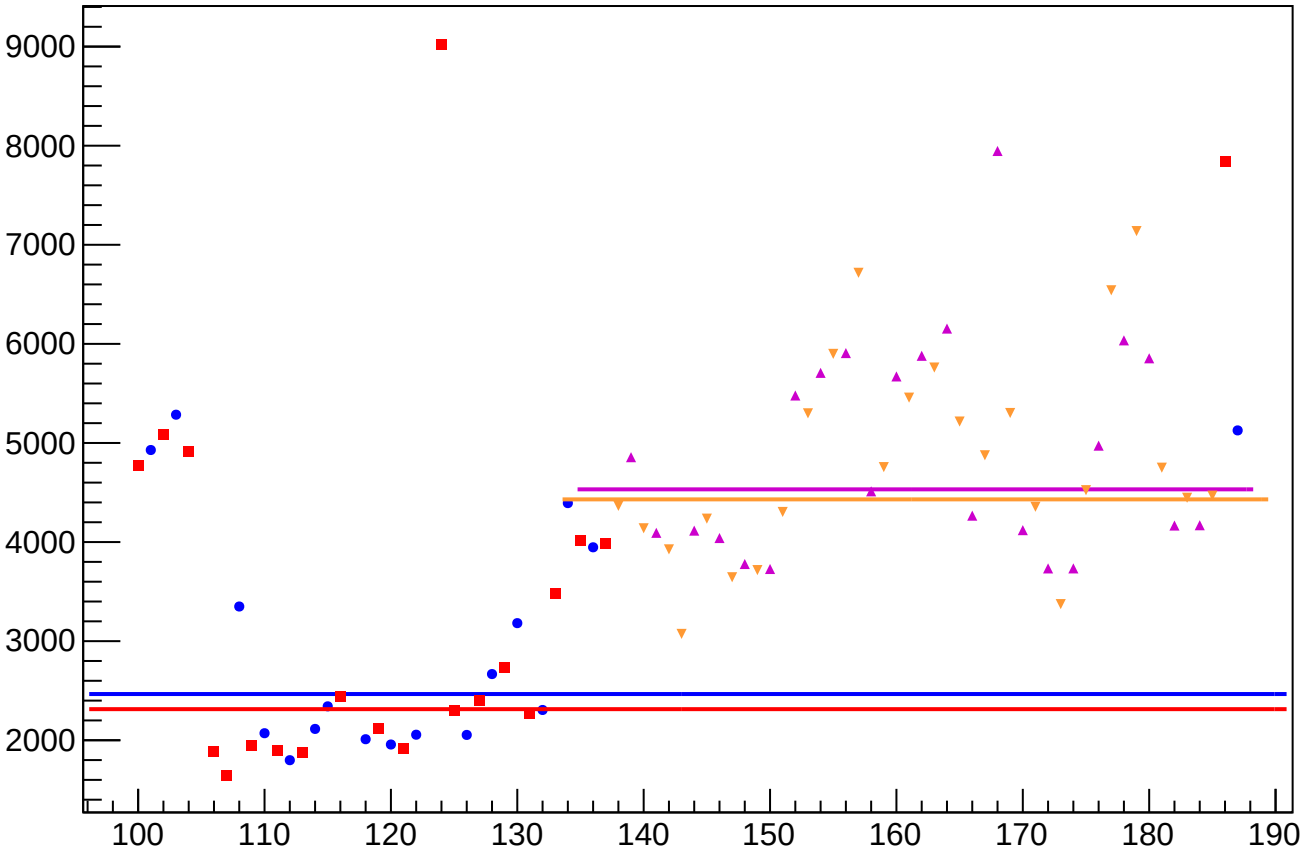
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: -102.273+/-649.819 χ^2/NDF: 40.5/36

In: 166.179+/-718.862 χ^2/NDF:28.9/39

Out: 39.648+/-671.073 χ^2/NDF:57.9/44

All: 98.568+/-490.545 χ^2/NDF: 86.8/84



Right In: 2466.350+/-0.680 χ^2/NDF: 1619842.4/16

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2313.822+/-0.623 χ^2/NDF: 1957420.8/19

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

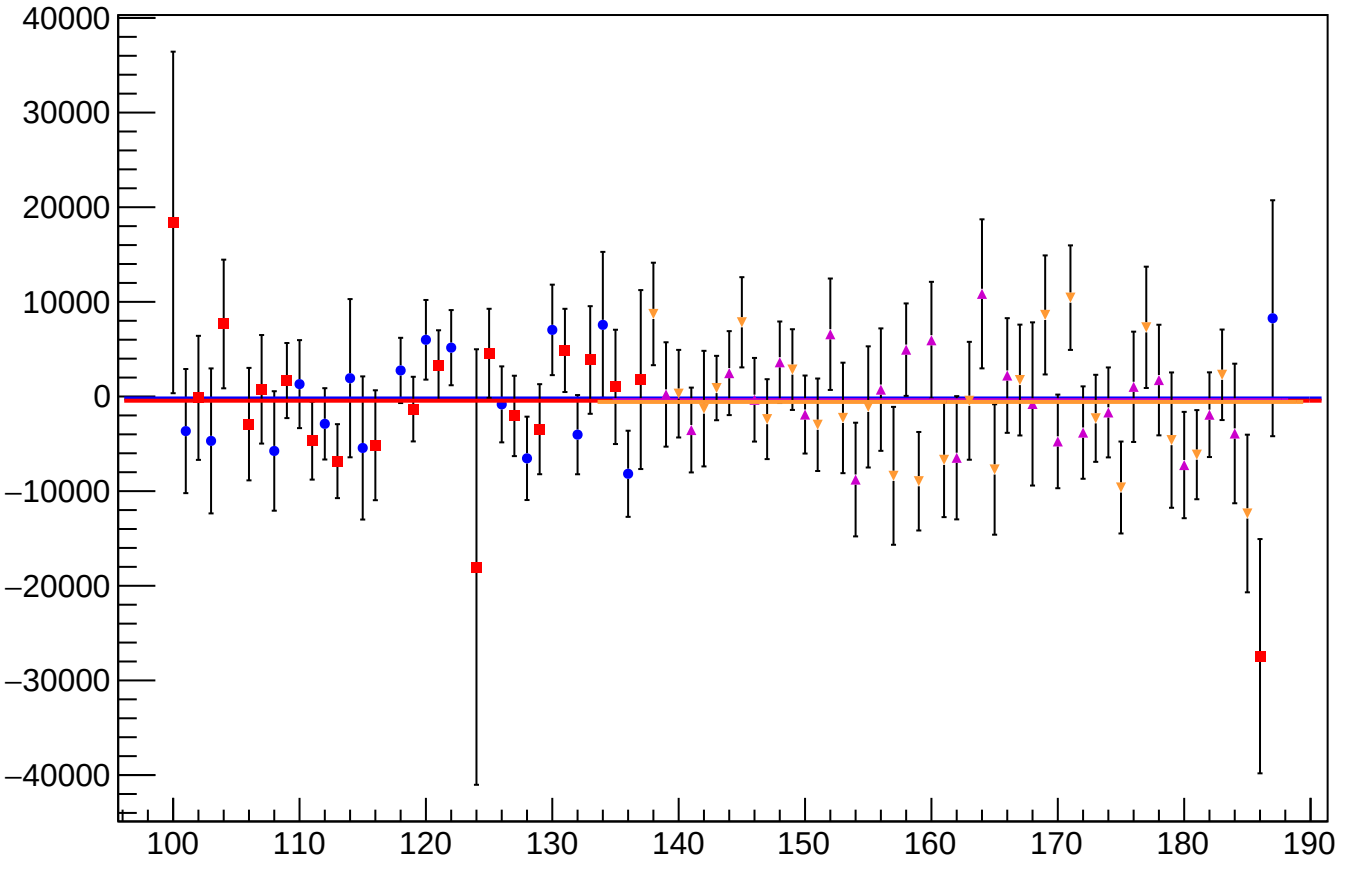
Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

Right: 2383.495+/-0.459 χ^2/NDF: 3604605.2/36

In: 3377.257+/-0.508 χ^2/NDF:7067114.2/39

Out: 3204.379+/-0.475 χ^2/NDF:8421269.3/44

All: 3284.881+/-0.347 χ^2/NDF: 15550190.9/8



Right In: -209.056+/-1191.854 χ^2/NDF: 17.0/16

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -444.040+/-1148.762 χ^2/NDF: 17.7/19

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

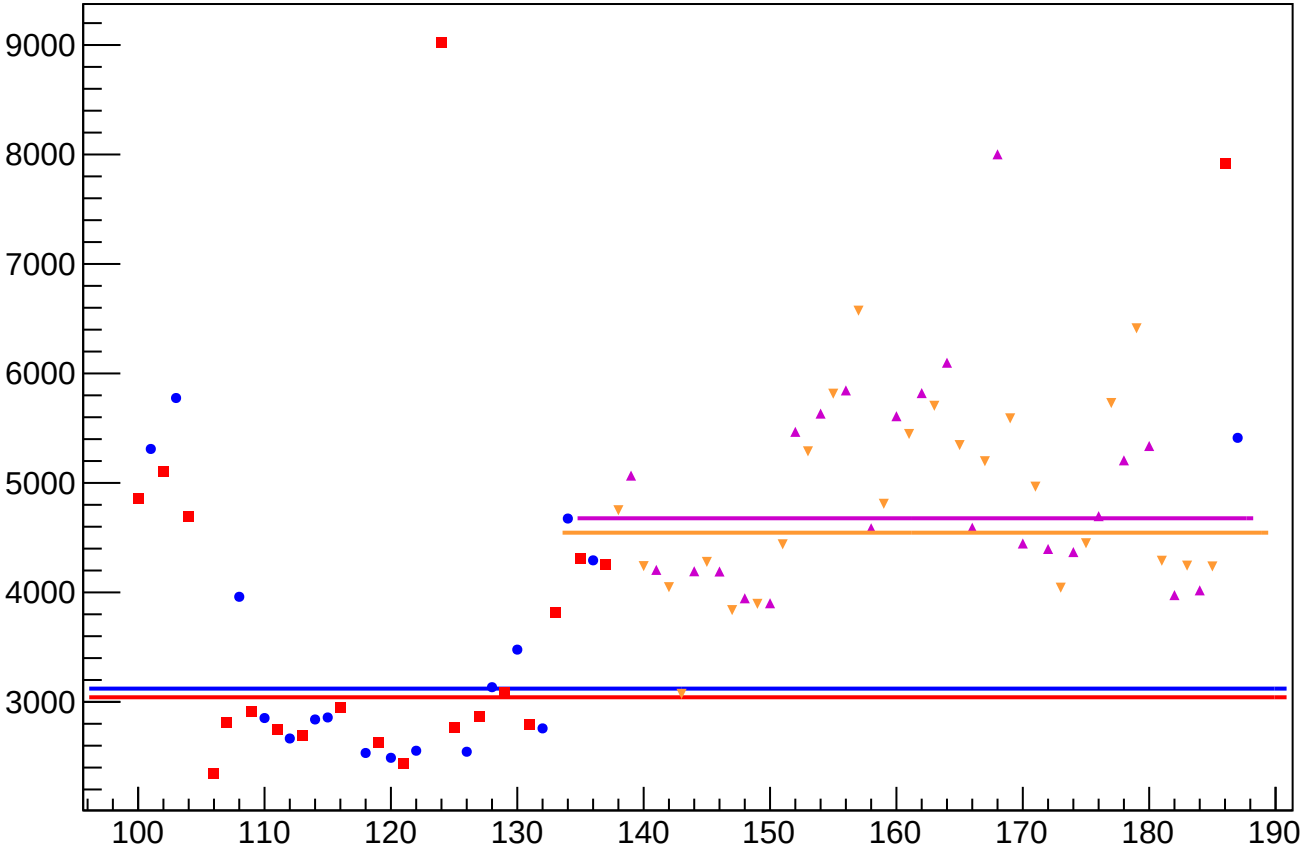
Right: -330.873+/-827.112 χ^2/NDF: 34.7/36

In: -310.498+/-812.086 χ^2/NDF:31.1/39

Out: -514.073+/-776.969 χ^2/NDF:46.4/44

All: -416.782+/-561.404 χ^2/NDF: 77.5/84

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3121.267+/-0.843 χ^2/NDF: 1031820.2/16

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3042.016+/-0.801 χ^2/NDF: 1120143.7/19

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

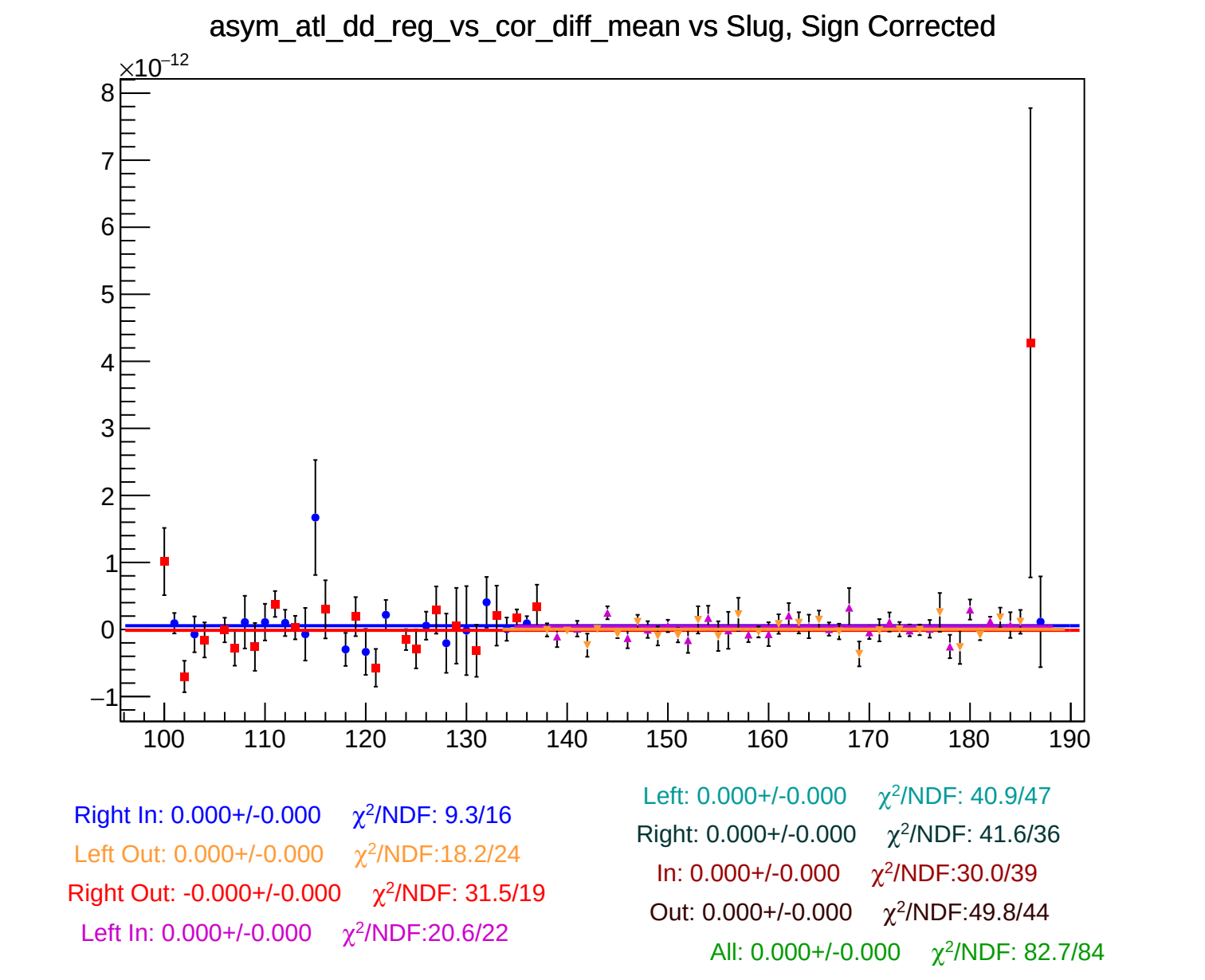
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

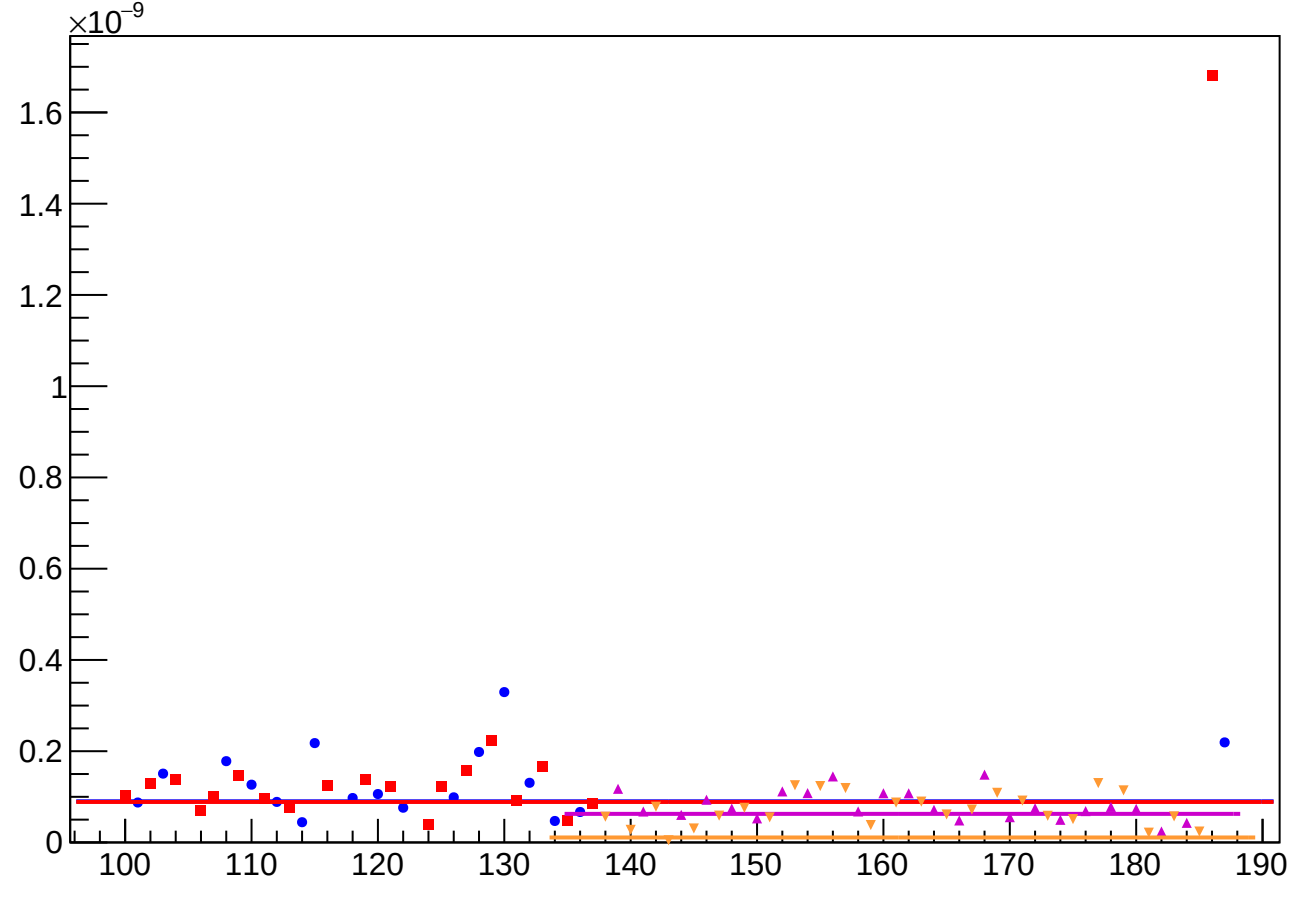
Right: 3079.650+/-0.581 χ^2/NDF: 2156607.5/36

In: 3954.766+/-0.574 χ^2/NDF:3817449.0/39

Out: 3847.655+/-0.546 χ^2/NDF:4264540.2/44

All: 3898.513+/-0.396 χ^2/NDF: 8100262.2/84


asym_atl_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
8
7
6
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 9.3/16
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.5/19
Left In: 0.000+/-0.000 χ²/NDF:20.6/22
Left: 0.000+/-0.000 χ²/NDF: 40.9/47
Right: 0.000+/-0.000 χ²/NDF: 41.6/36
In: 0.000+/-0.000 χ²/NDF:30.0/39
Out: 0.000+/-0.000 χ²/NDF:49.8/44
All: 0.000+/-0.000 χ²/NDF: 82.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 1022902.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1427806.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

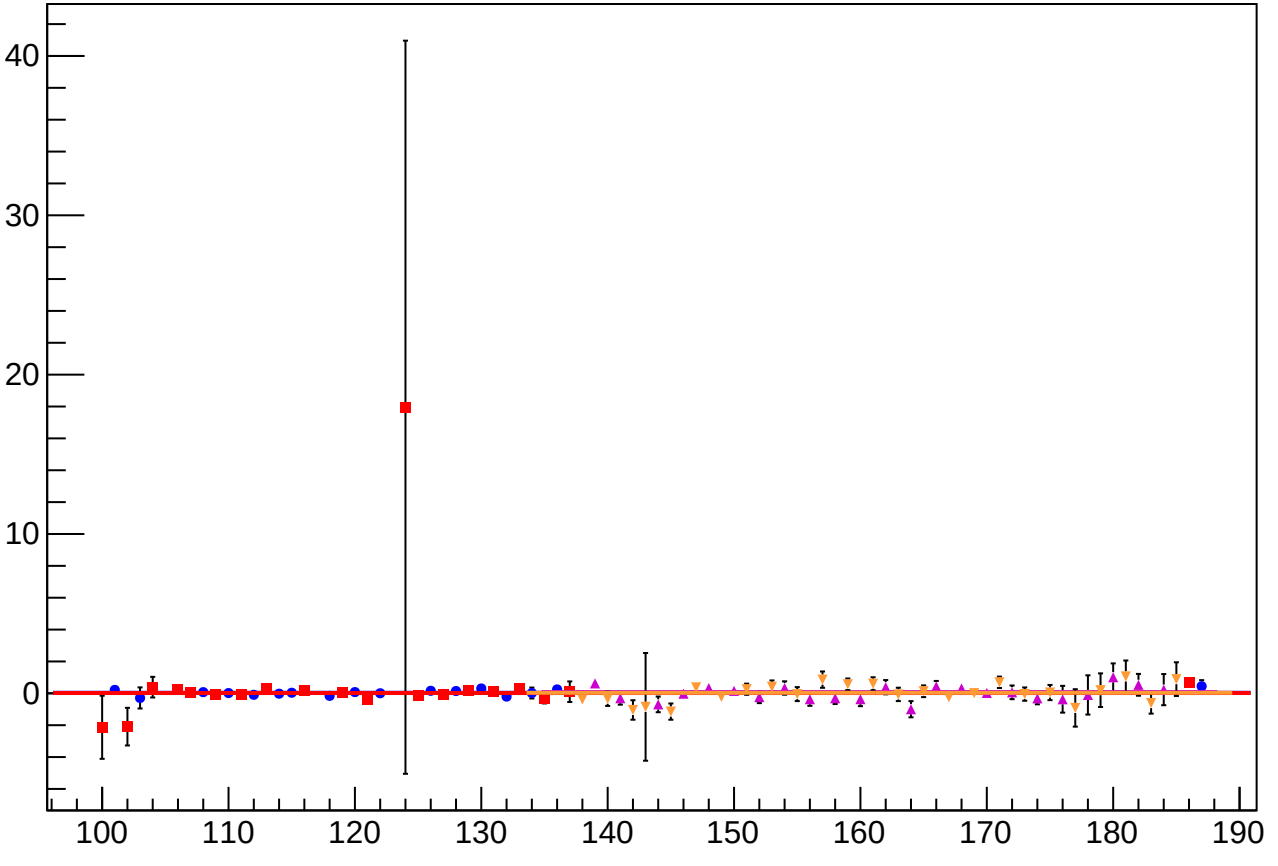
Right: 0.000+/-0.000 χ^2/NDF: 2451325.5/36

In: 0.000+/-0.000 χ^2/NDF:3508693.6/39

Out: 0.000+/-0.000 χ^2/NDF:14950176.5/44

All: 0.000+/-0.000 χ^2/NDF: 28084445.1/84

asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.043 χ^2/NDF: 27.9/19

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

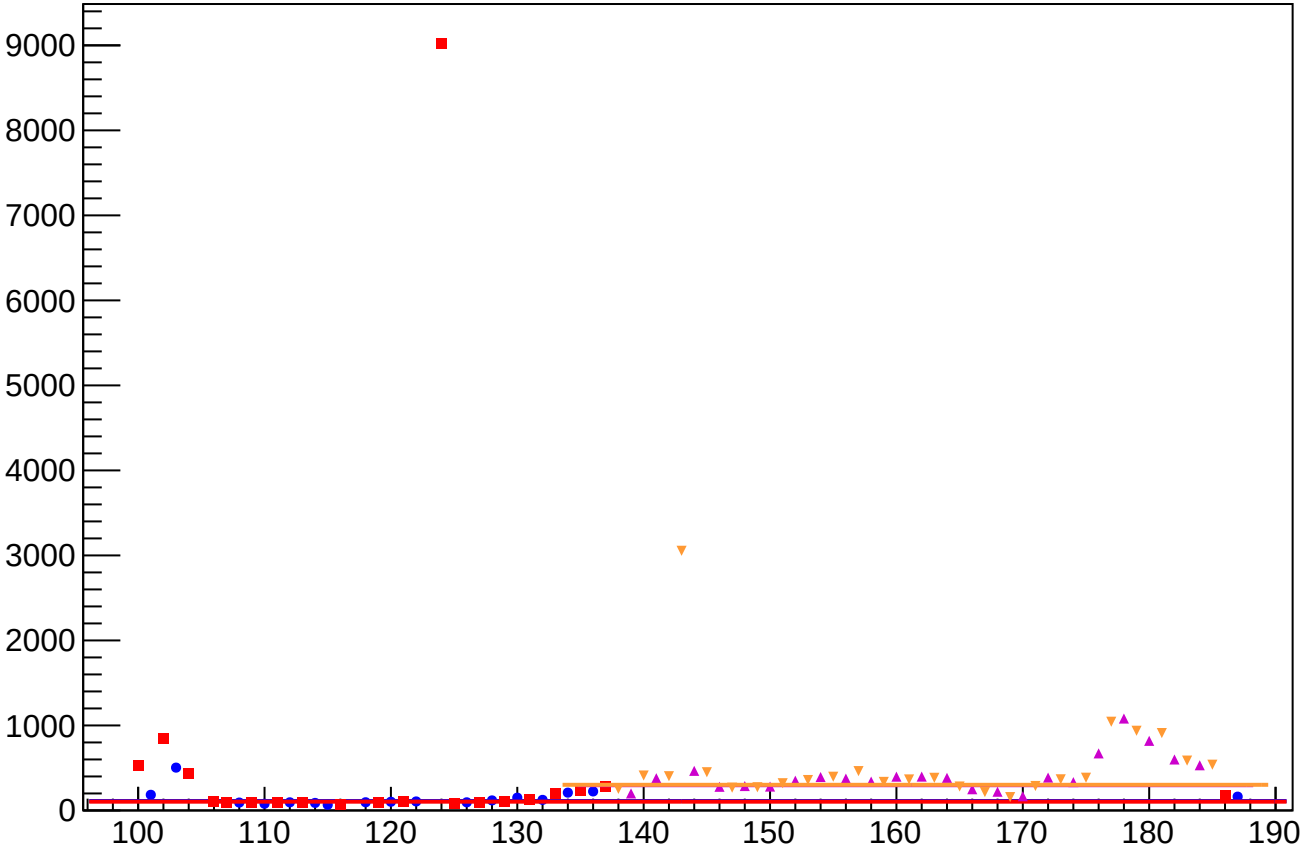
Right: 0.026+/-0.031 χ^2/NDF: 38.0/36

In: 0.045+/-0.039 χ^2/NDF:34.4/39

Out: 0.023+/-0.037 χ^2/NDF:57.6/44

All: 0.034+/-0.027 χ^2/NDF: 92.2/84

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.719+/-0.032 χ^2/NDF: 1967977.1/16

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 103.523+/-0.030 χ^2/NDF: 2715549.3/19

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

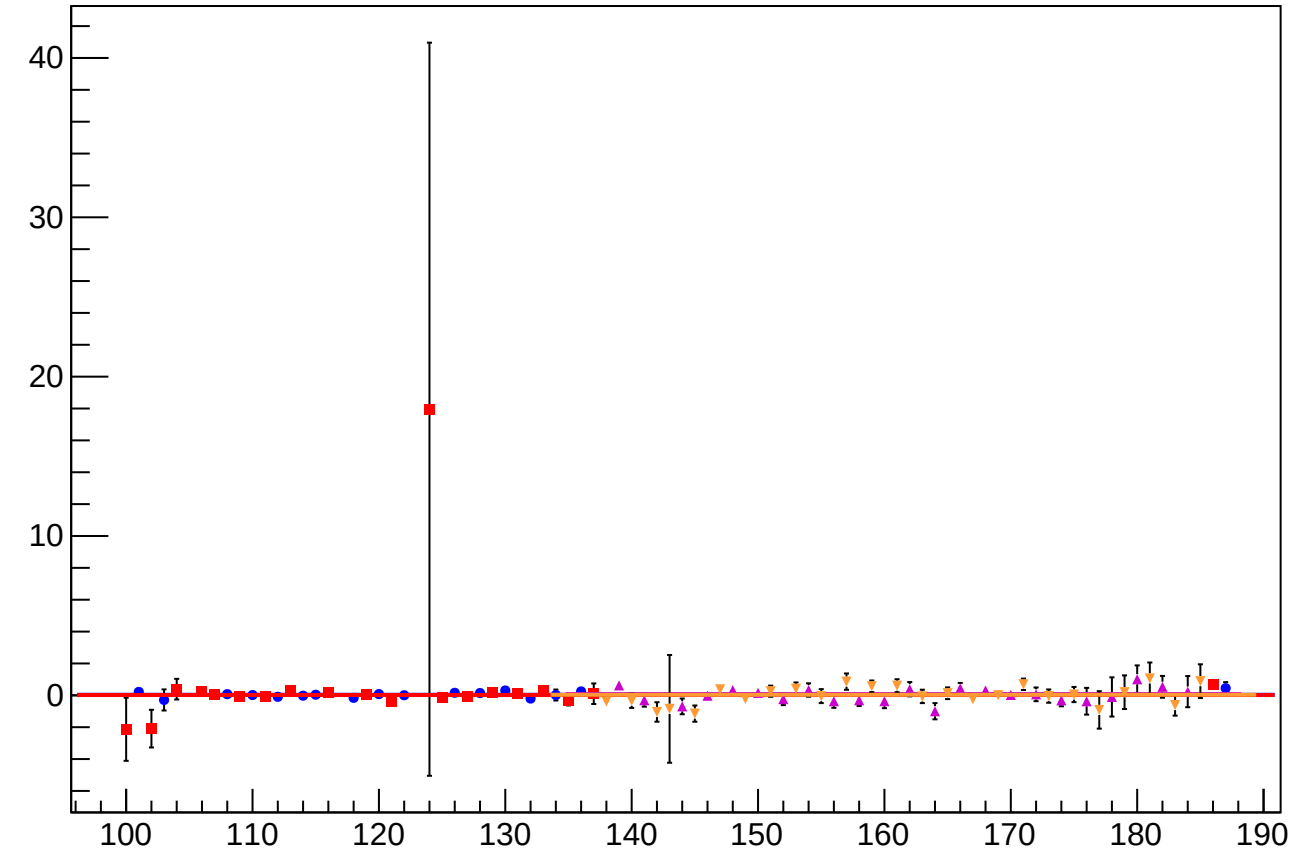
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 106.947+/-0.022 χ^2/NDF: 4710357.3/36

In: 159.264+/-0.027 χ^2/NDF:15817484.3/39

Out: 150.465+/-0.026 χ^2/NDF:19541032.6/44

All: 154.721+/-0.019 χ^2/NDF: 35411961.5/84



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.043 χ^2/NDF: 27.9/19

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

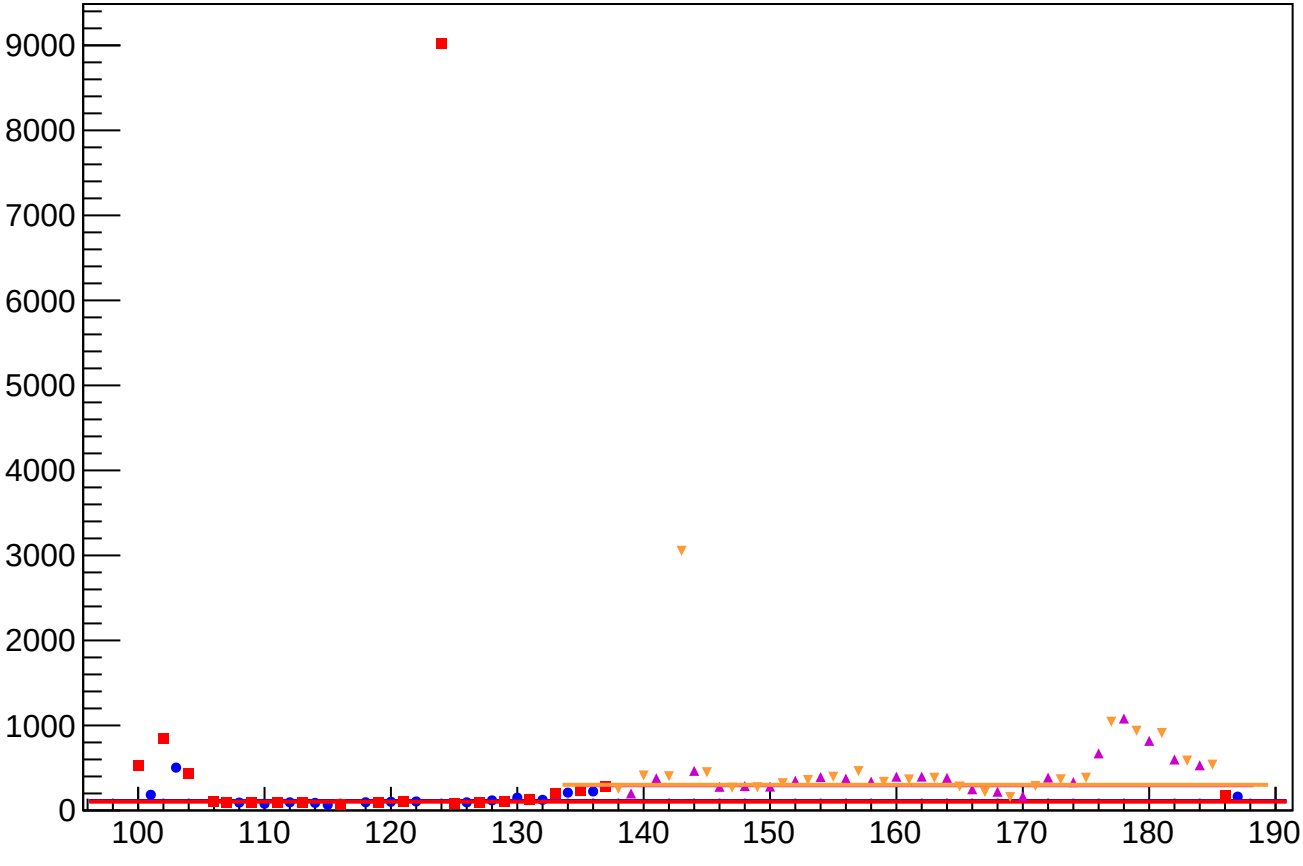
Right: 0.026+/-0.031 χ^2/NDF: 38.0/36

In: 0.045+/-0.039 χ^2/NDF:34.4/39

Out: 0.023+/-0.037 χ^2/NDF:57.6/44

All: 0.034+/-0.027 χ^2/NDF: 92.2/84

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.719+/-0.032 χ^2/NDF: 1967977.1/16

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 103.523+/-0.030 χ^2/NDF: 2715549.3/19

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

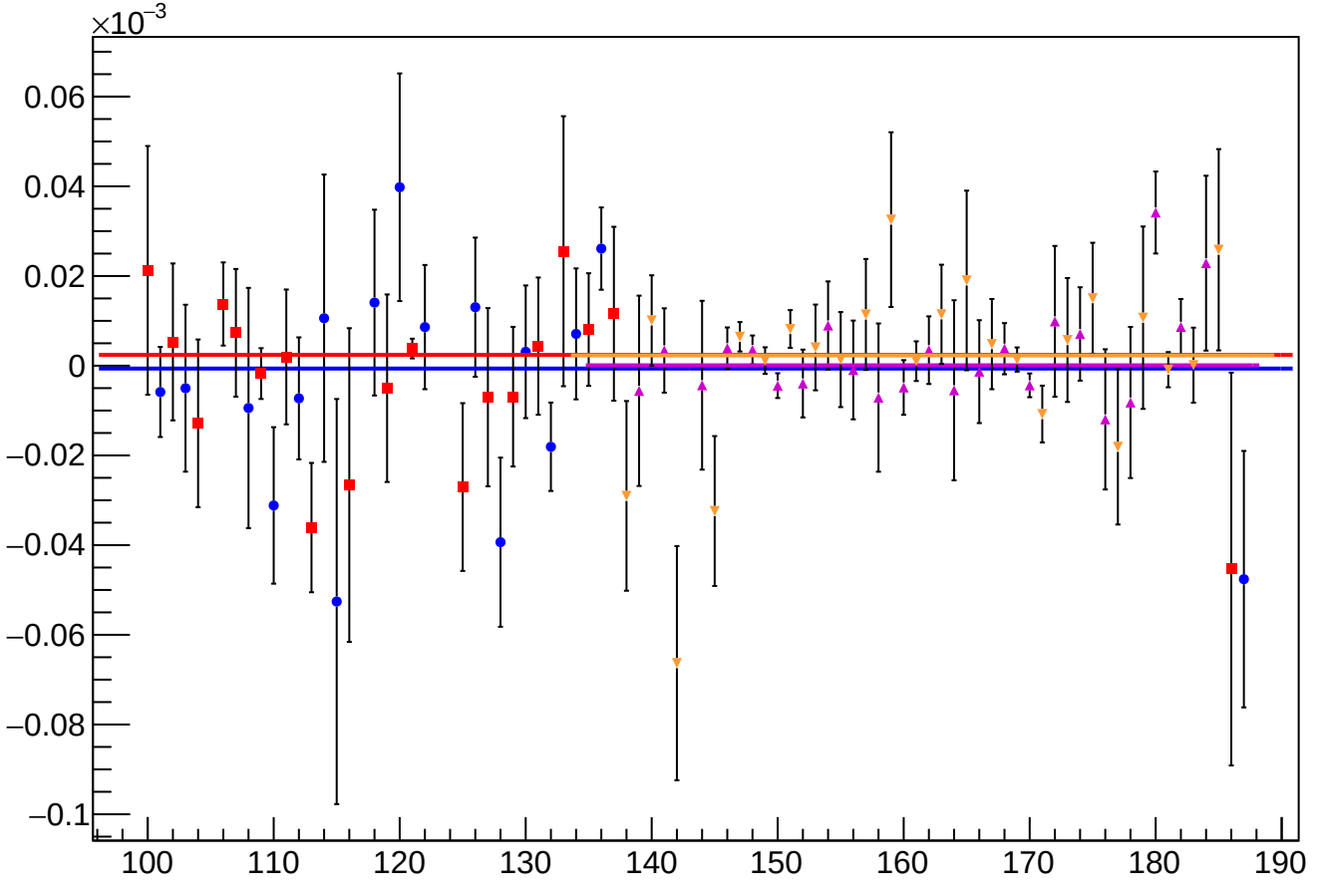
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 106.947+/-0.022 χ^2/NDF: 4710357.3/36

In: 159.264+/-0.027 χ^2/NDF:15817484.3/39

Out: 150.465+/-0.026 χ^2/NDF:19541032.6/44

All: 154.721+/-0.019 χ^2/NDF: 35411961.5/84



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

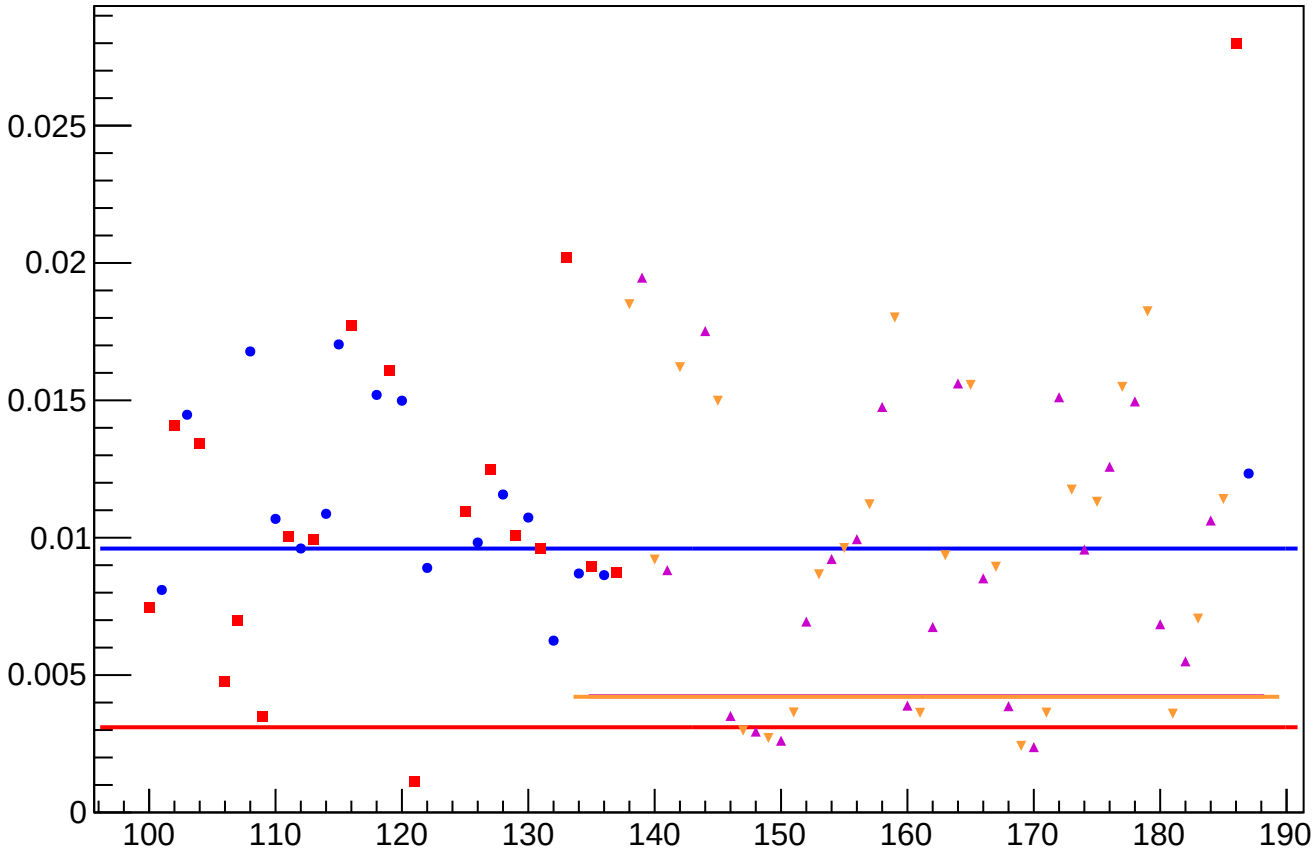
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 45.9/35

In: 0.000+/-0.000 χ^2/NDF:57.5/39

Out: 0.000+/-0.000 χ^2/NDF:48.1/42

All: 0.000+/-0.000 χ^2/NDF: 107.7/82



Right In: 0.010+/-0.000 χ^2/NDF: 944570.5/16

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8768790.0/18

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

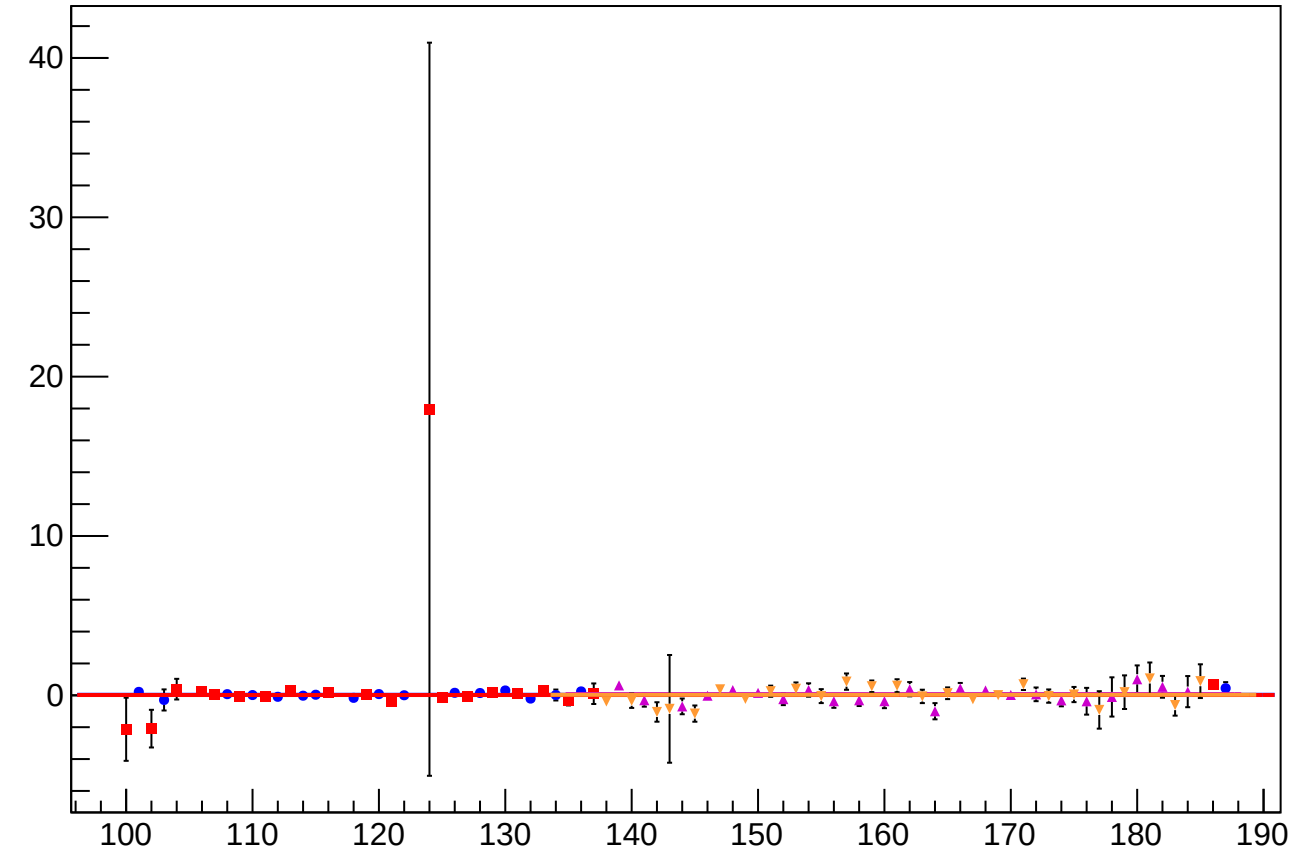
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.004+/-0.000 χ^2/NDF: 14683076.1/35

In: 0.005+/-0.000 χ^2/NDF:15757674.5/39

Out: 0.004+/-0.000 χ^2/NDF:21348533.9/42

All: 0.004+/-0.000 χ^2/NDF: 37809924.0/82



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.043 χ^2/NDF: 27.9/19

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

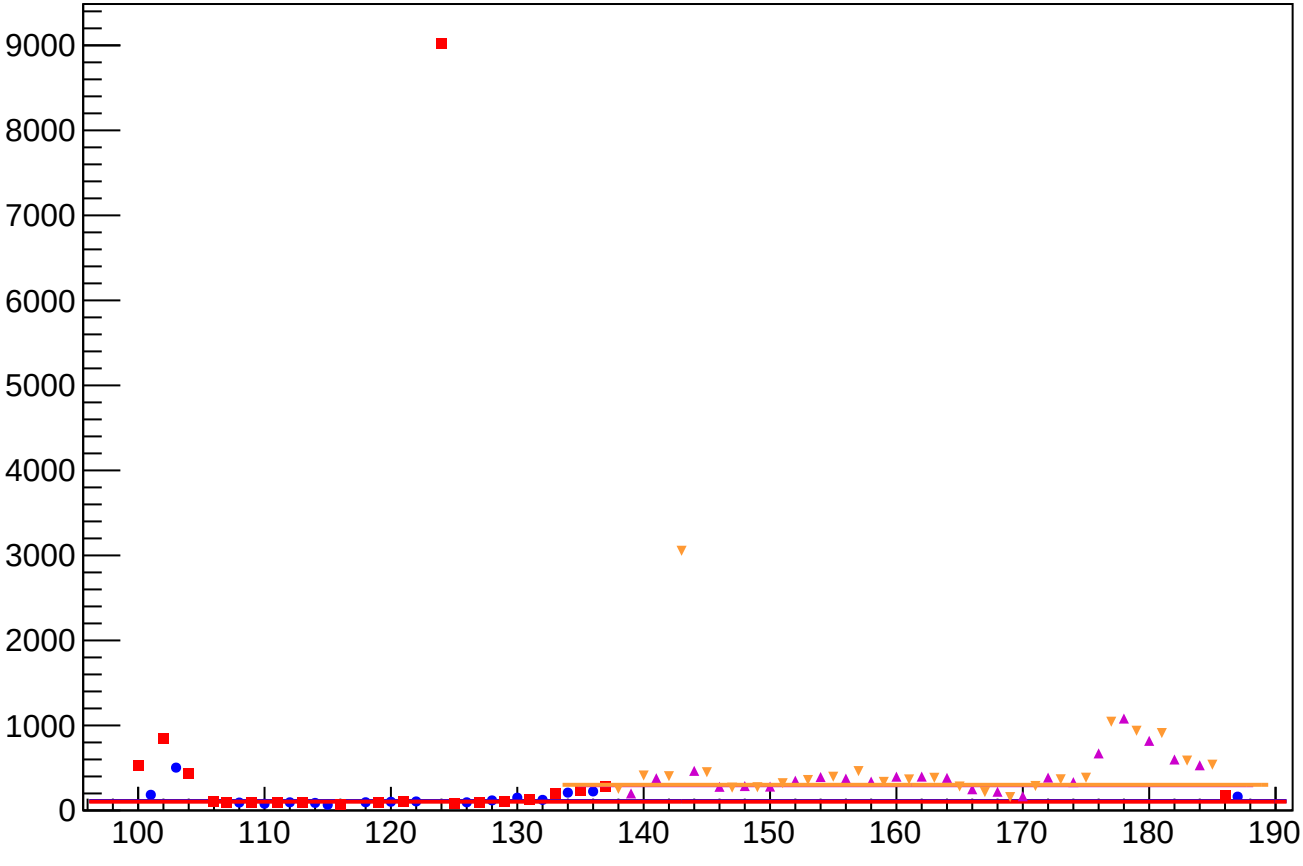
Right: 0.026+/-0.031 χ^2/NDF: 38.0/36

In: 0.045+/-0.039 χ^2/NDF:34.4/39

Out: 0.023+/-0.037 χ^2/NDF:57.6/44

All: 0.034+/-0.027 χ^2/NDF: 92.2/84

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.720+/-0.032 χ^2/NDF: 1967912.4/16

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 103.524+/-0.030 χ^2/NDF: 2715428.3/19

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

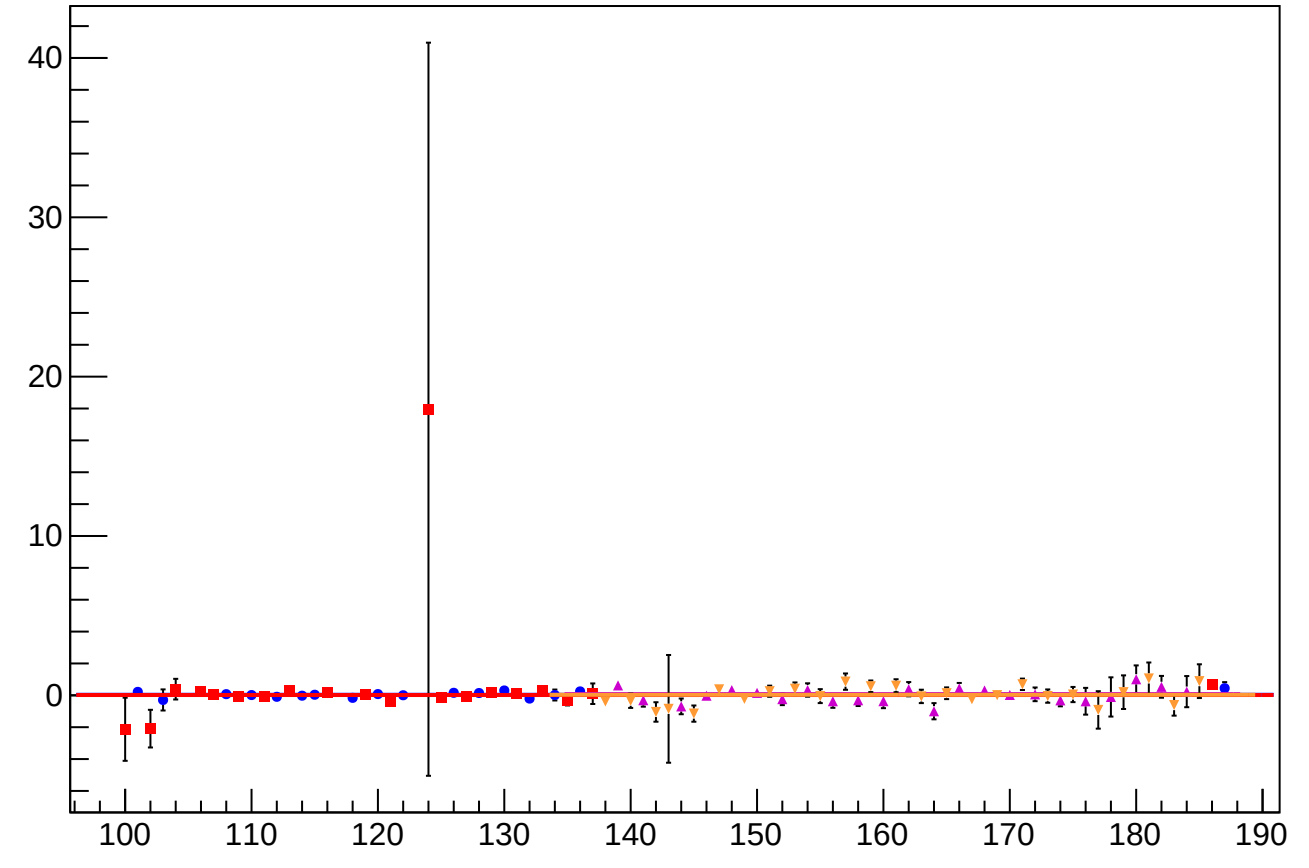
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 106.948+/-0.022 χ^2/NDF: 4710169.3/36

In: 159.265+/-0.027 χ^2/NDF:15817429.3/39

Out: 150.466+/-0.026 χ^2/NDF:19540891.4/44

All: 154.723+/-0.019 χ^2/NDF: 35411763.7/84



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.043 χ^2/NDF: 27.9/19

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

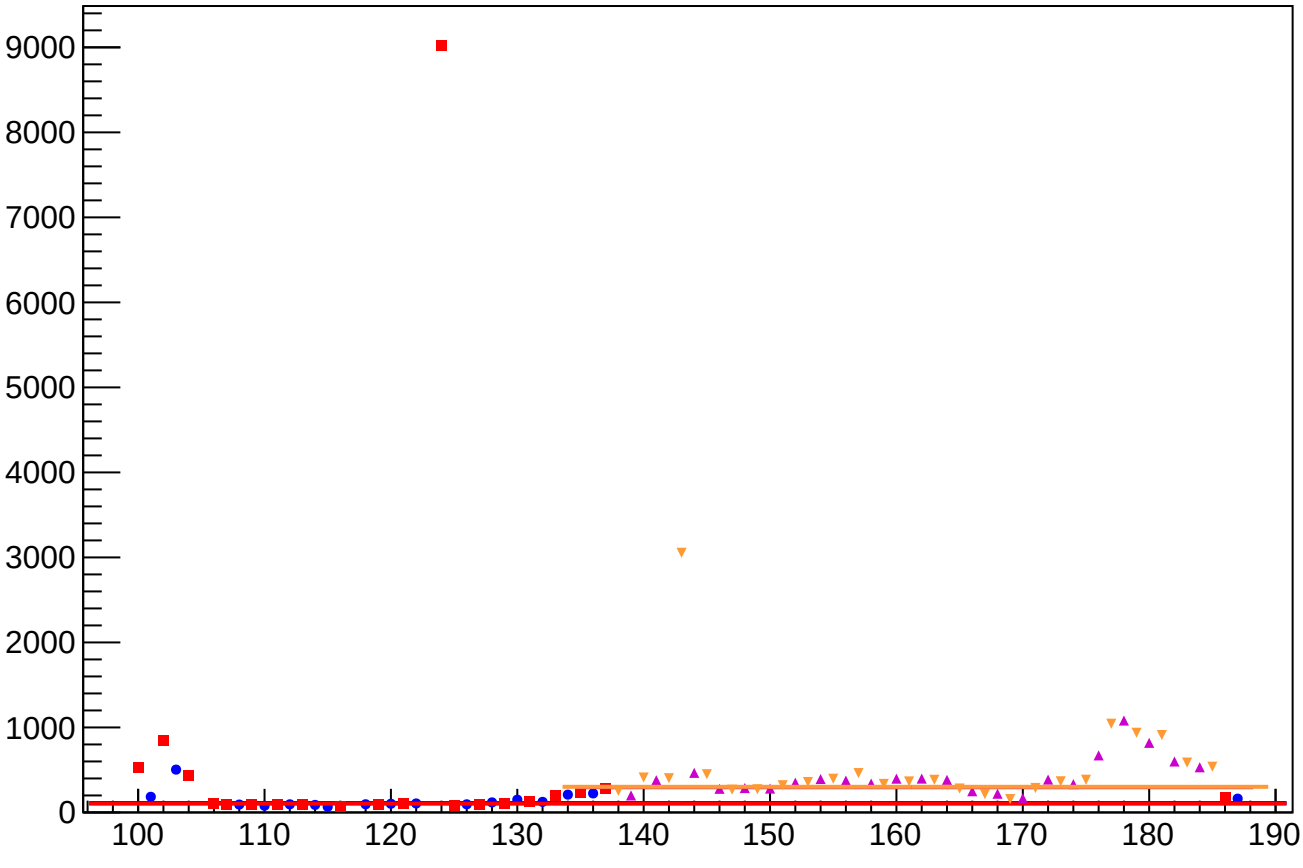
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.026+/-0.031 χ^2/NDF: 38.0/36

In: 0.045+/-0.039 χ^2/NDF:34.4/39

Out: 0.023+/-0.037 χ^2/NDF:57.6/44

All: 0.034+/-0.027 χ^2/NDF: 92.2/84



Right In: 110.720+/-0.032 χ^2/NDF: 1967912.4/16

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 103.524+/-0.030 χ^2/NDF: 2715428.3/19

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

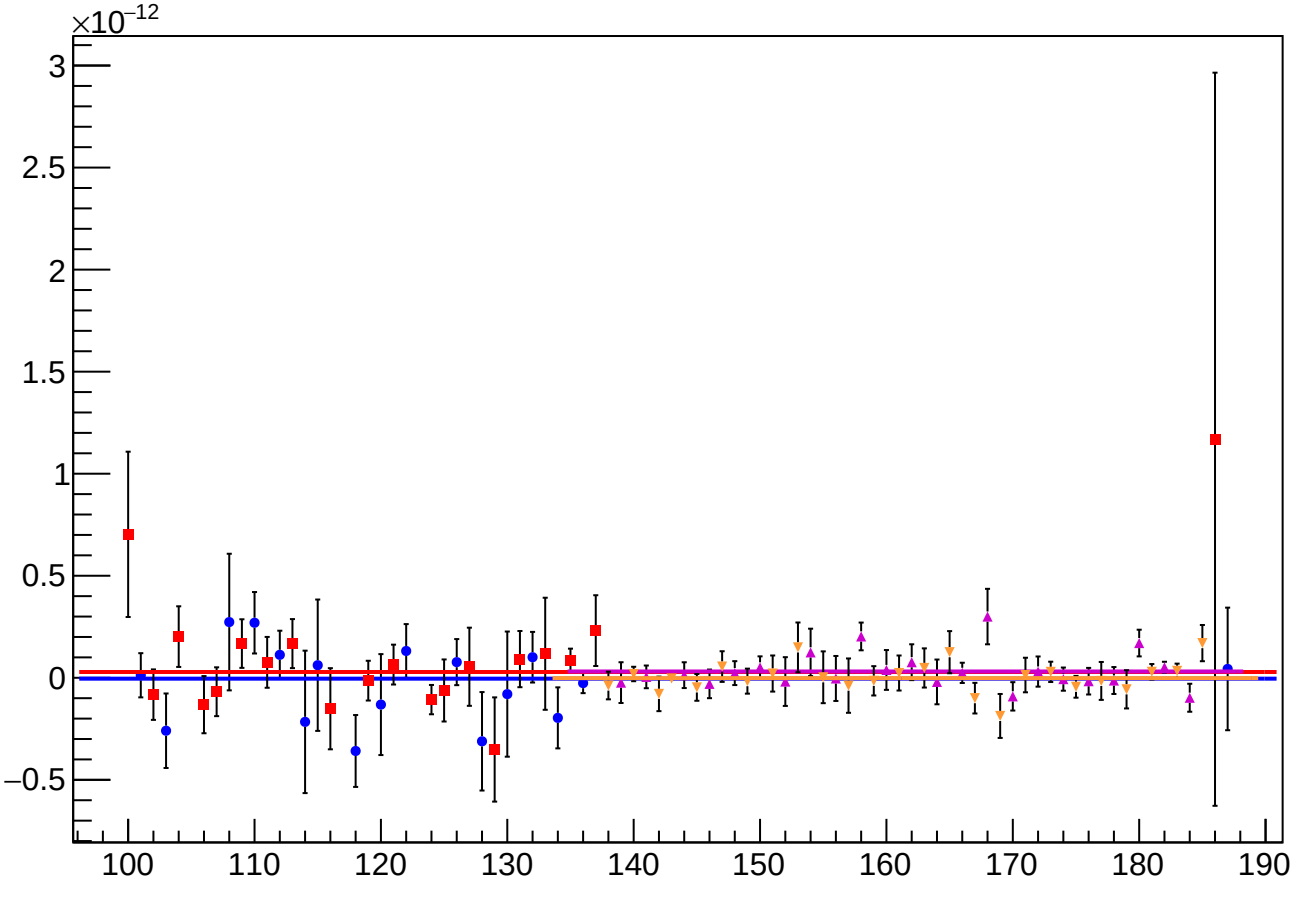
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 106.948+/-0.022 χ^2/NDF: 4710169.3/36

In: 159.265+/-0.027 χ^2/NDF:15817429.3/39

Out: 150.466+/-0.026 χ^2/NDF:19540891.4/44

All: 154.723+/-0.019 χ^2/NDF: 35411763.7/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/19

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

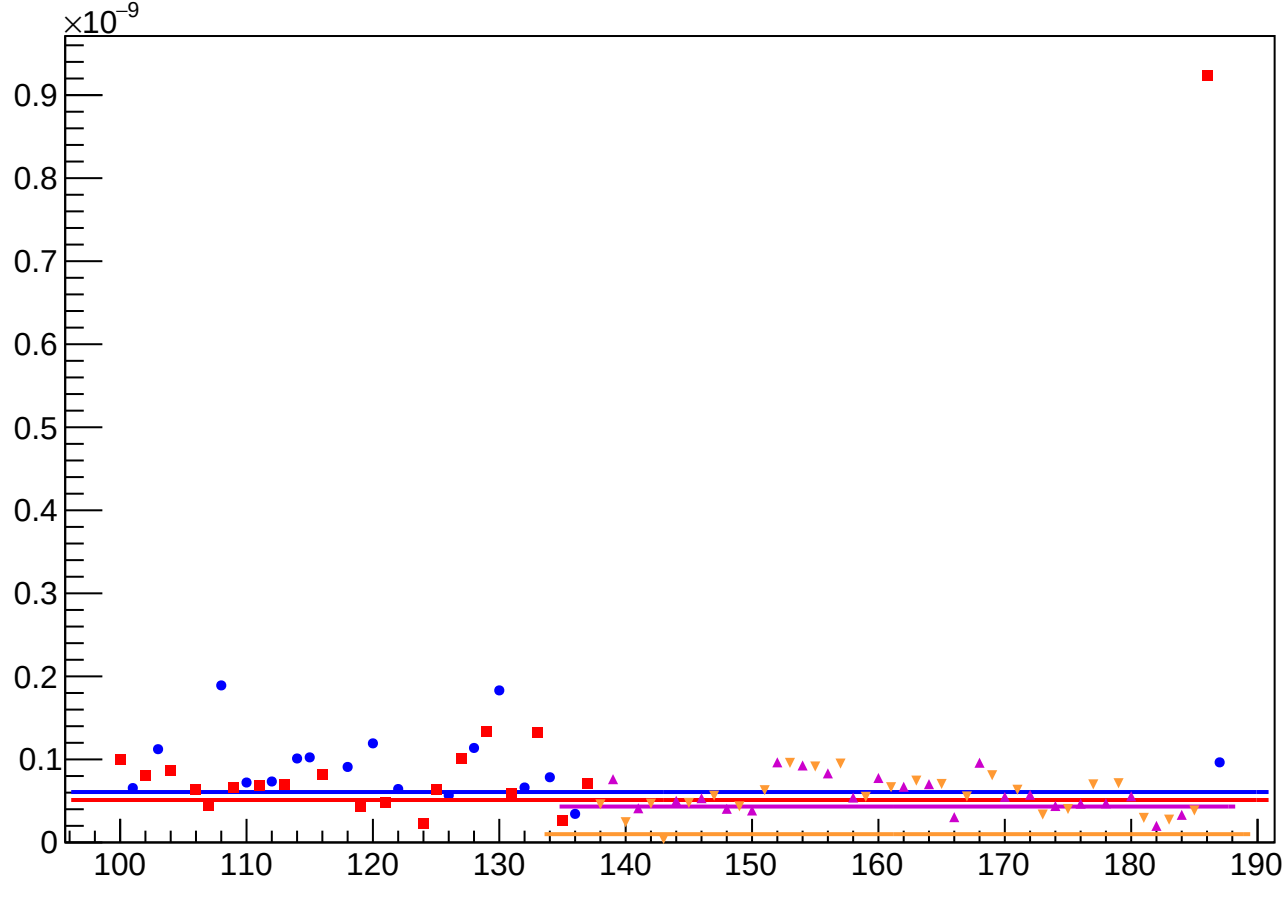
Right: 0.000+/-0.000 χ^2/NDF: 38.2/36

In: 0.000+/-0.000 χ^2/NDF:44.9/39

Out: -0.000+/-0.000 χ^2/NDF:39.0/44

All: 0.000+/-0.000 χ^2/NDF: 87.8/84

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1774787.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2139281.4/19

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

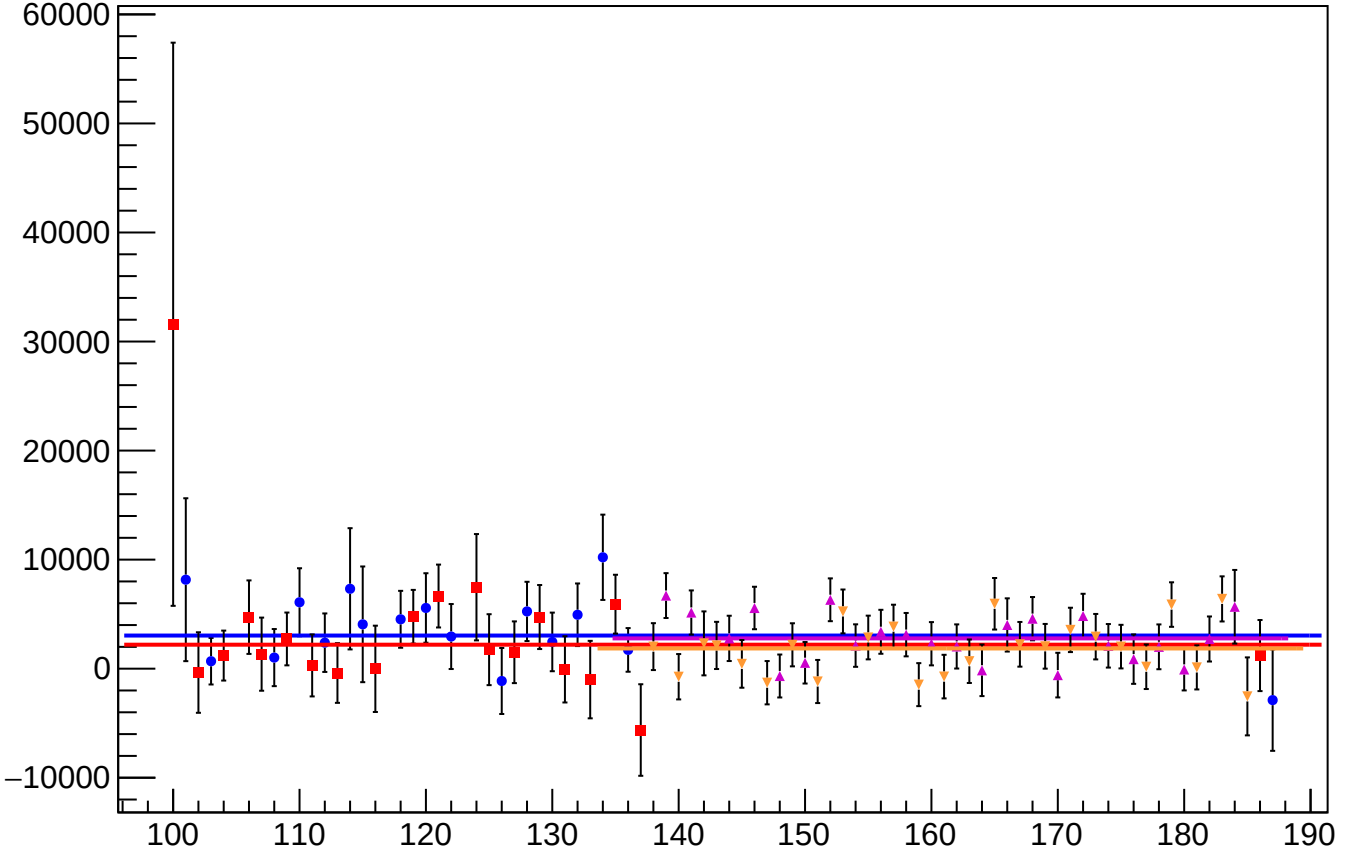
Right: 0.000+/-0.000 χ^2/NDF: 4020289.5/36

In: 0.000+/-0.000 χ^2/NDF:6345181.8/39

Out: 0.000+/-0.000 χ^2/NDF:25078884.9/44

All: 0.000+/-0.000 χ^2/NDF: 44973503.8/84

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3037.626+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2198.676+/-694.578 χ^2/NDF: 16.6/19

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

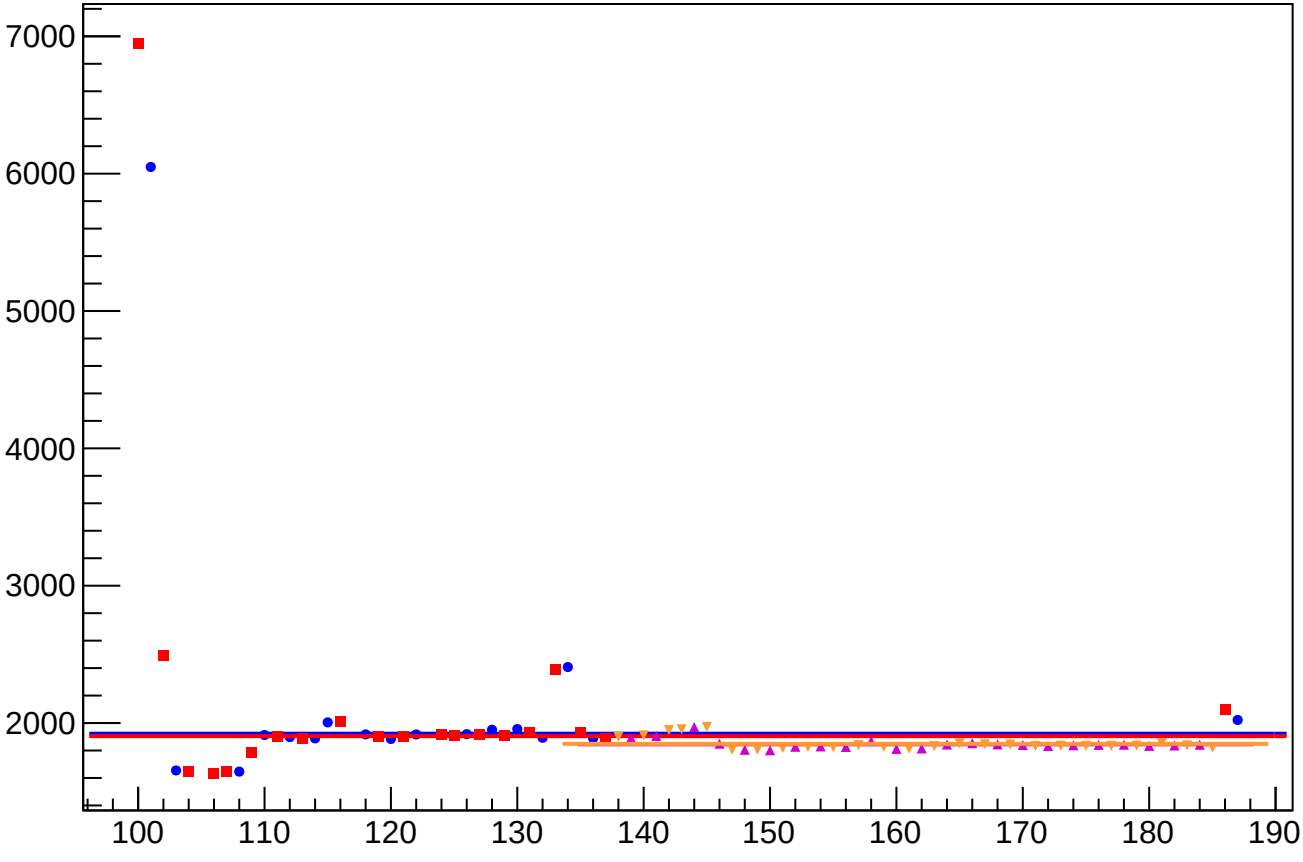
Right: 2601.758+/-500.645 χ^2/NDF: 30.7/36

In: 2844.497+/-370.030 χ^2/NDF:38.9/39

Out: 1944.822+/-359.406 χ^2/NDF:48.3/44

All: 2381.559+/-257.813 χ^2/NDF: 90.2/84

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1922.302+/-0.511 χ^2/NDF: 698283.0/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1904.436+/-0.490 χ^2/NDF: 229546.9/19

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

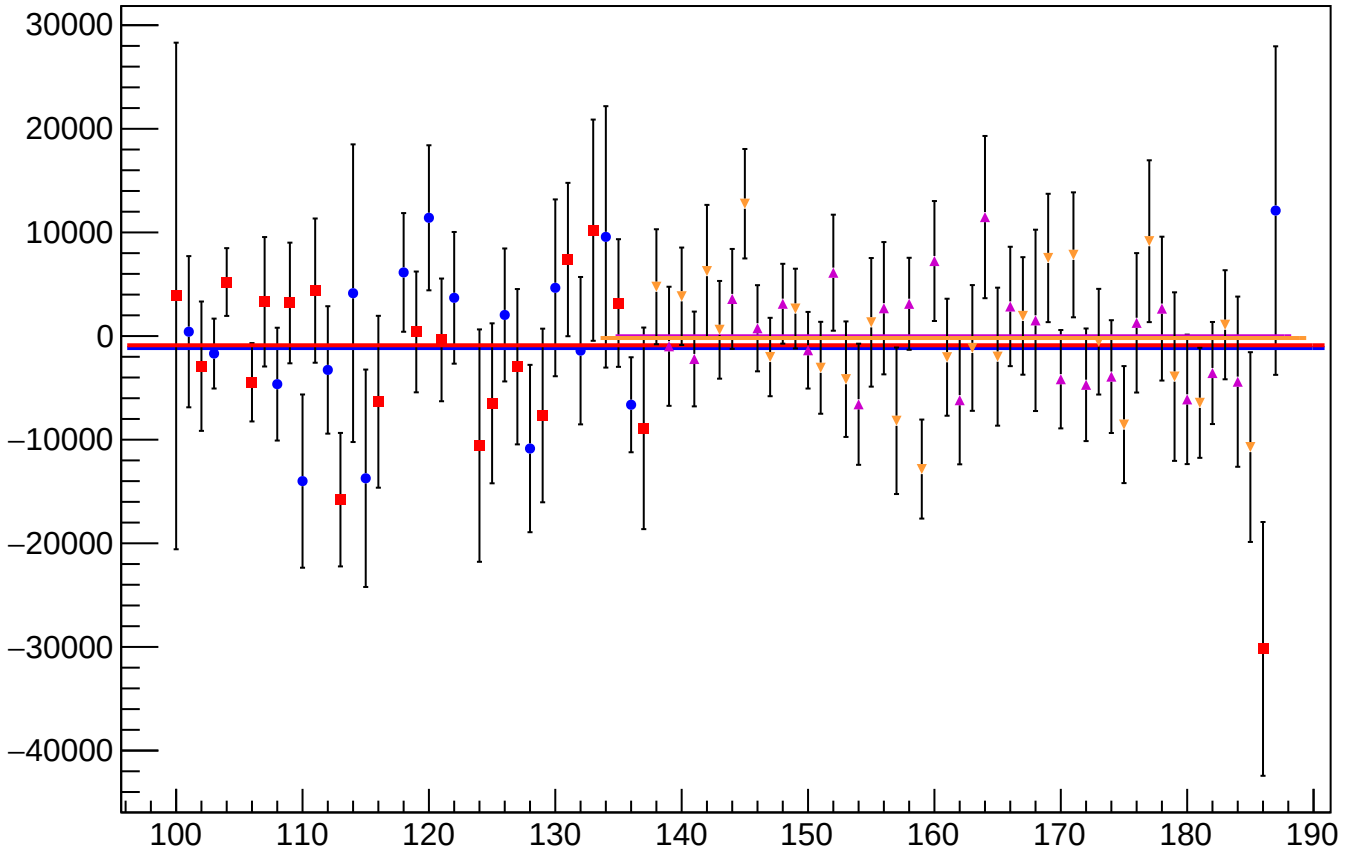
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1912.991+/-0.353 χ^2/NDF: 928467.6/36

In: 1865.334+/-0.262 χ^2/NDF:729178.7/39

Out: 1863.566+/-0.254 χ^2/NDF:259970.4/44

All: 1864.423+/-0.182 χ^2/NDF: 989172.6/84



Right In: -1157.800+/-1577.563 χ^2/NDF: 15.0/16

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -888.934+/-1427.663 χ^2/NDF: 23.1/19

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

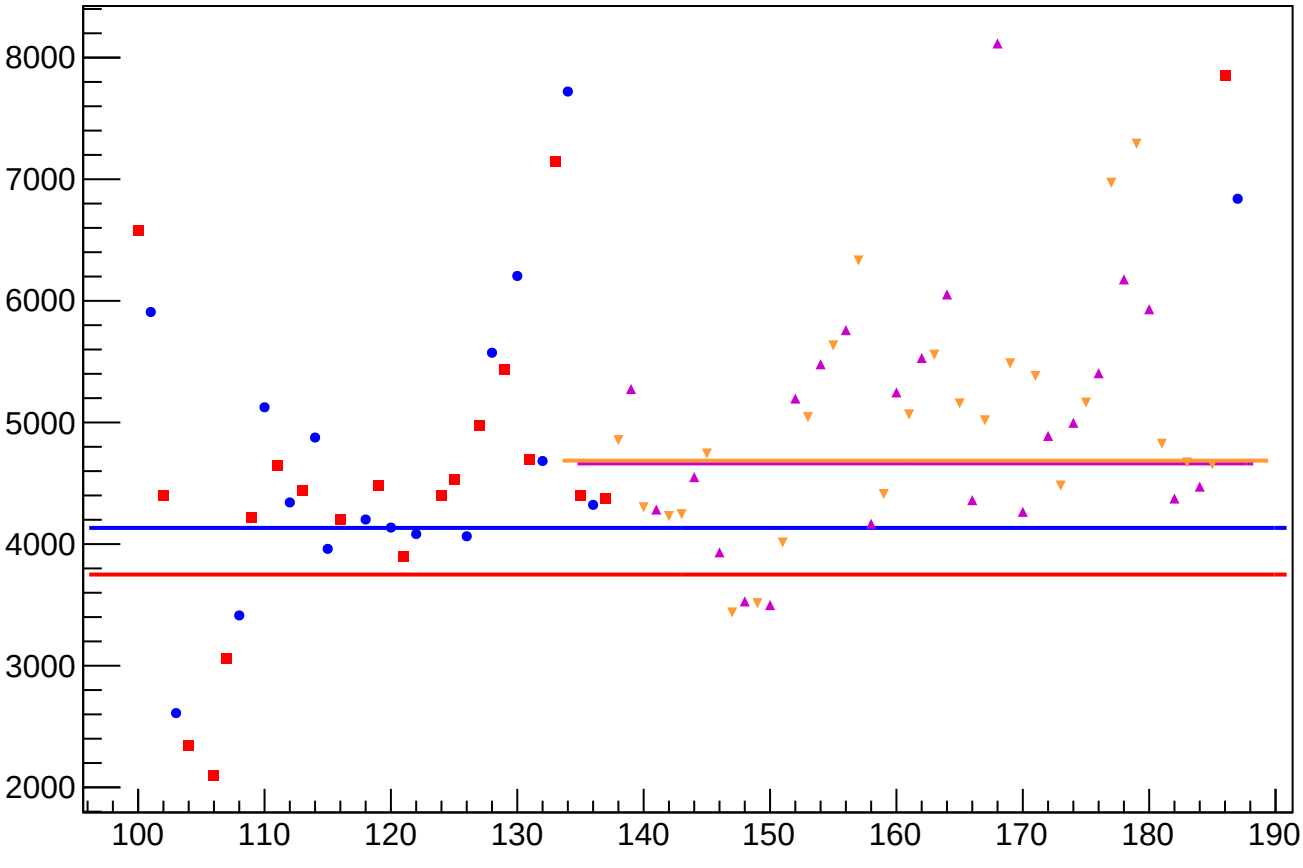
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -1009.989+/-1058.548 χ^2/NDF: 38.0/36

In: -397.531+/-909.208 χ^2/NDF:29.1/39

Out: -446.629+/-865.666 χ^2/NDF:52.1/44

All: -423.284+/-626.946 χ^2/NDF: 81.2/84



Right In: 4133.209+/-1.116 χ^2/NDF: 1014997.8/16

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 3749.755+/-1.010 χ^2/NDF: 1583884.4/19

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

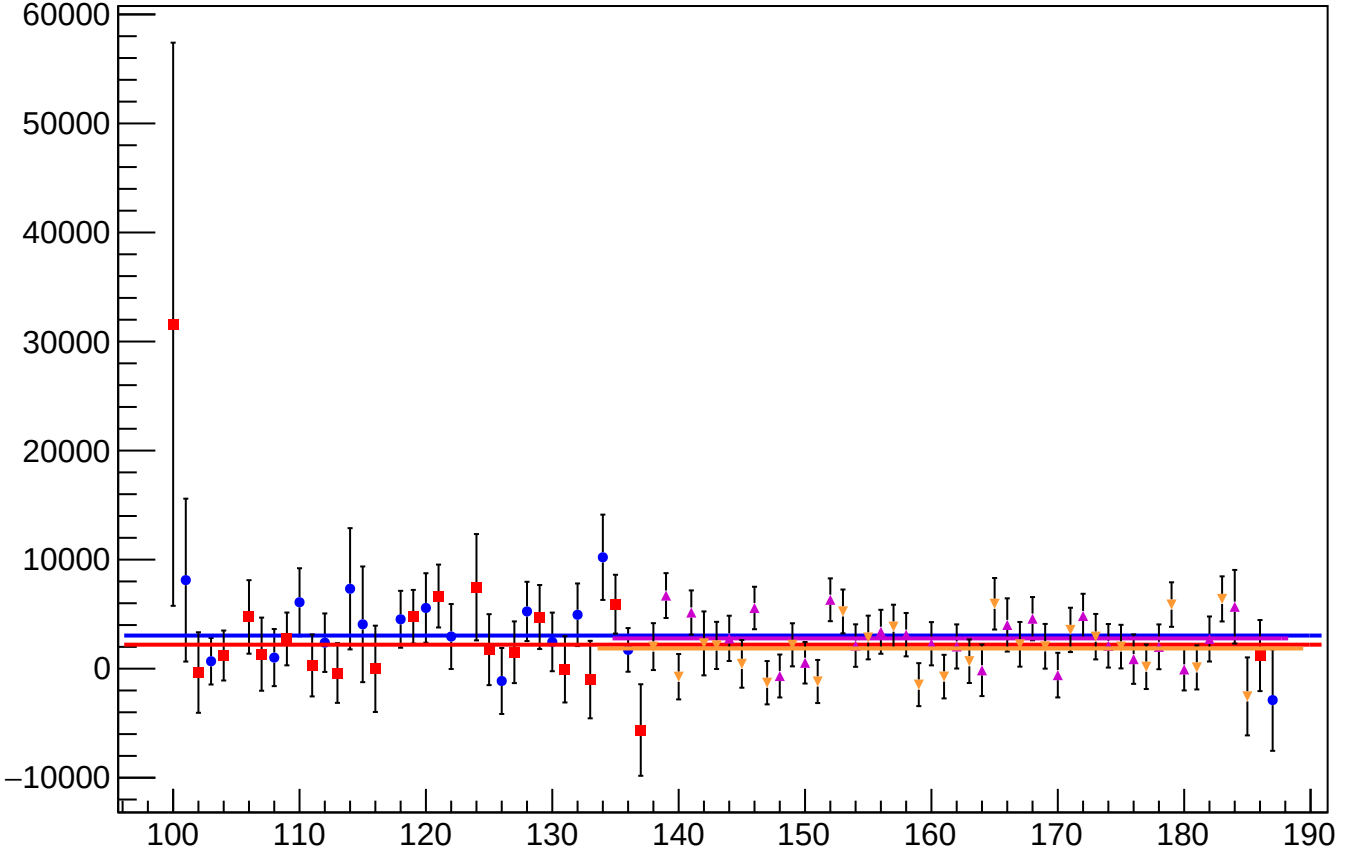
Right: 3922.403+/-0.749 χ^2/NDF: 2663843.5/36

In: 4487.204+/-0.643 χ^2/NDF:2452516.9/39

Out: 4342.001+/-0.612 χ^2/NDF:3313243.7/44

All: 4411.042+/-0.443 χ^2/NDF: 5792516.1/84

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3036.934+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2199.763+/-694.582 χ^2/NDF: 16.6/19

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

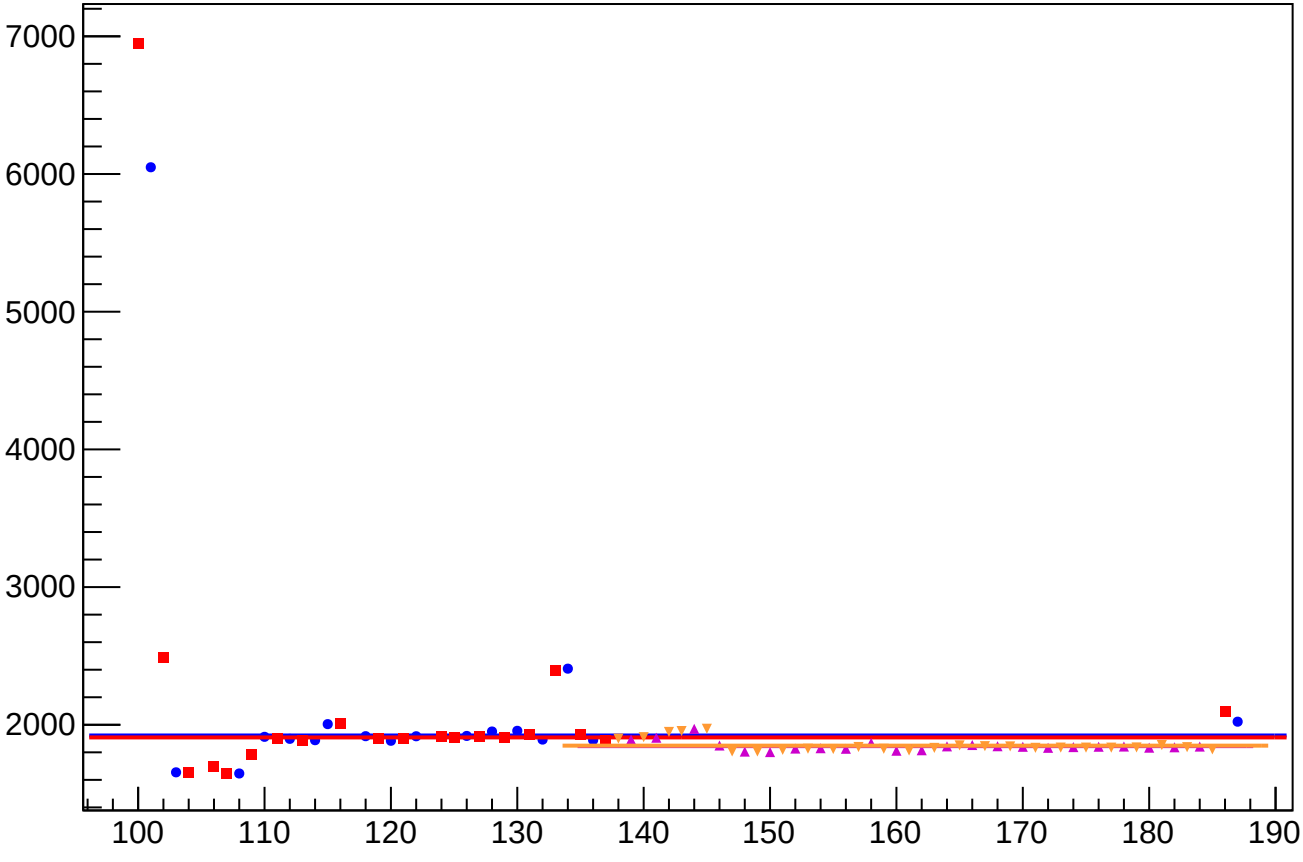
Right: 2601.992+/-500.647 χ^2/NDF: 30.7/36

In: 2844.298+/-370.030 χ^2/NDF:38.9/39

Out: 1945.031+/-359.407 χ^2/NDF:48.3/44

All: 2381.570+/-257.813 χ^2/NDF: 90.2/84

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1922.302+/-0.511 χ^2/NDF: 698282.1/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1908.291+/-0.490 χ^2/NDF: 222639.3/19

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

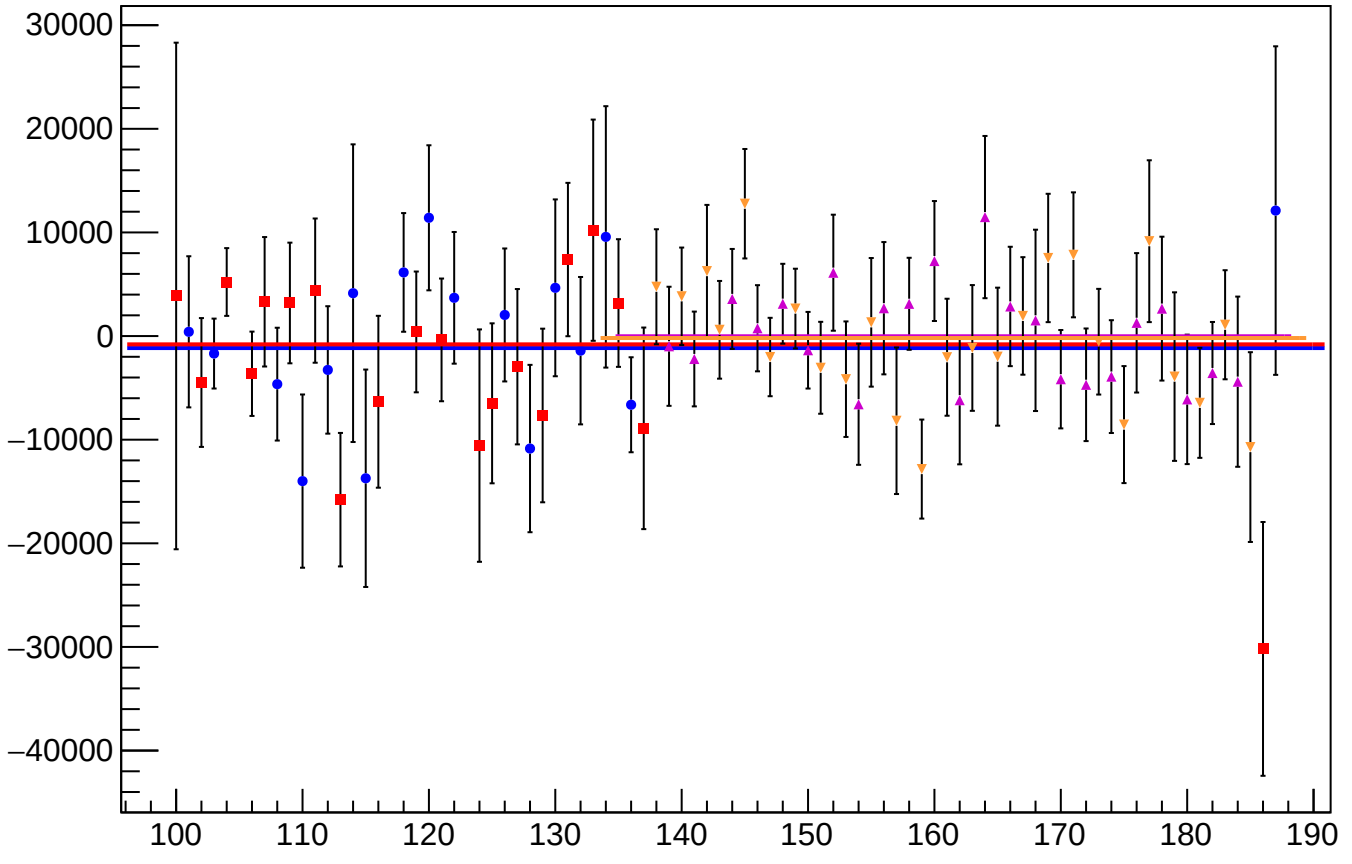
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1915.012+/-0.354 χ^2/NDF: 921313.0/36

In: 1865.334+/-0.262 χ^2/NDF:729178.0/39

Out: 1864.560+/-0.254 χ^2/NDF:254394.0/44

All: 1864.936+/-0.182 χ^2/NDF: 983576.5/84



Right In: -1158.164+/-1577.565 χ^2/NDF: 15.0/16

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -800.528+/-1441.440 χ^2/NDF: 22.8/19

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

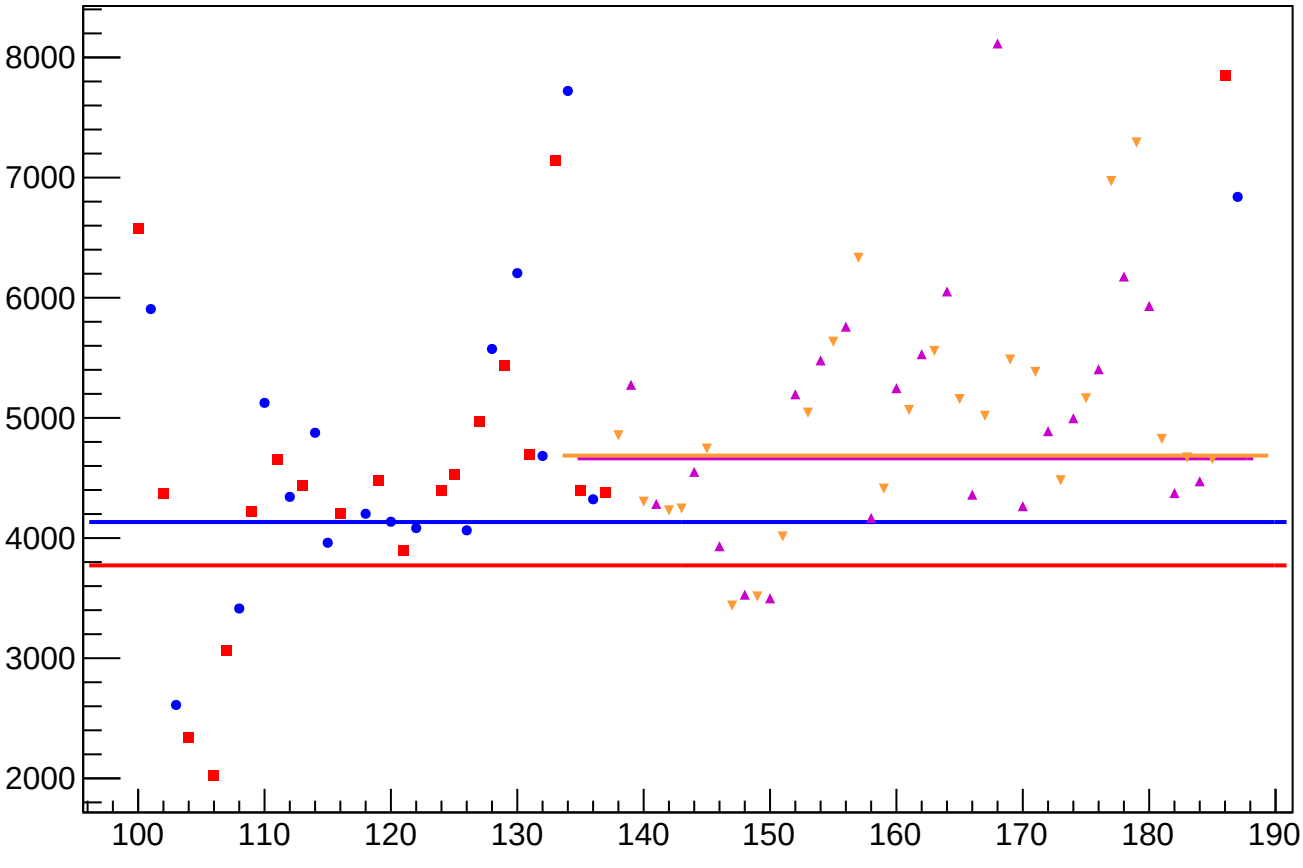
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -963.253+/-1064.128 χ^2/NDF: 37.8/36

In: -397.677+/-909.209 χ^2/NDF:29.1/39

Out: -411.422+/-868.708 χ^2/NDF:51.9/44

All: -404.863+/-628.100 χ^2/NDF: 80.9/84



Right In: 4133.301+/-1.116 χ^2/NDF: 1014495.9/16

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3772.482+/-1.019 χ^2/NDF: 1559888.7/19

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

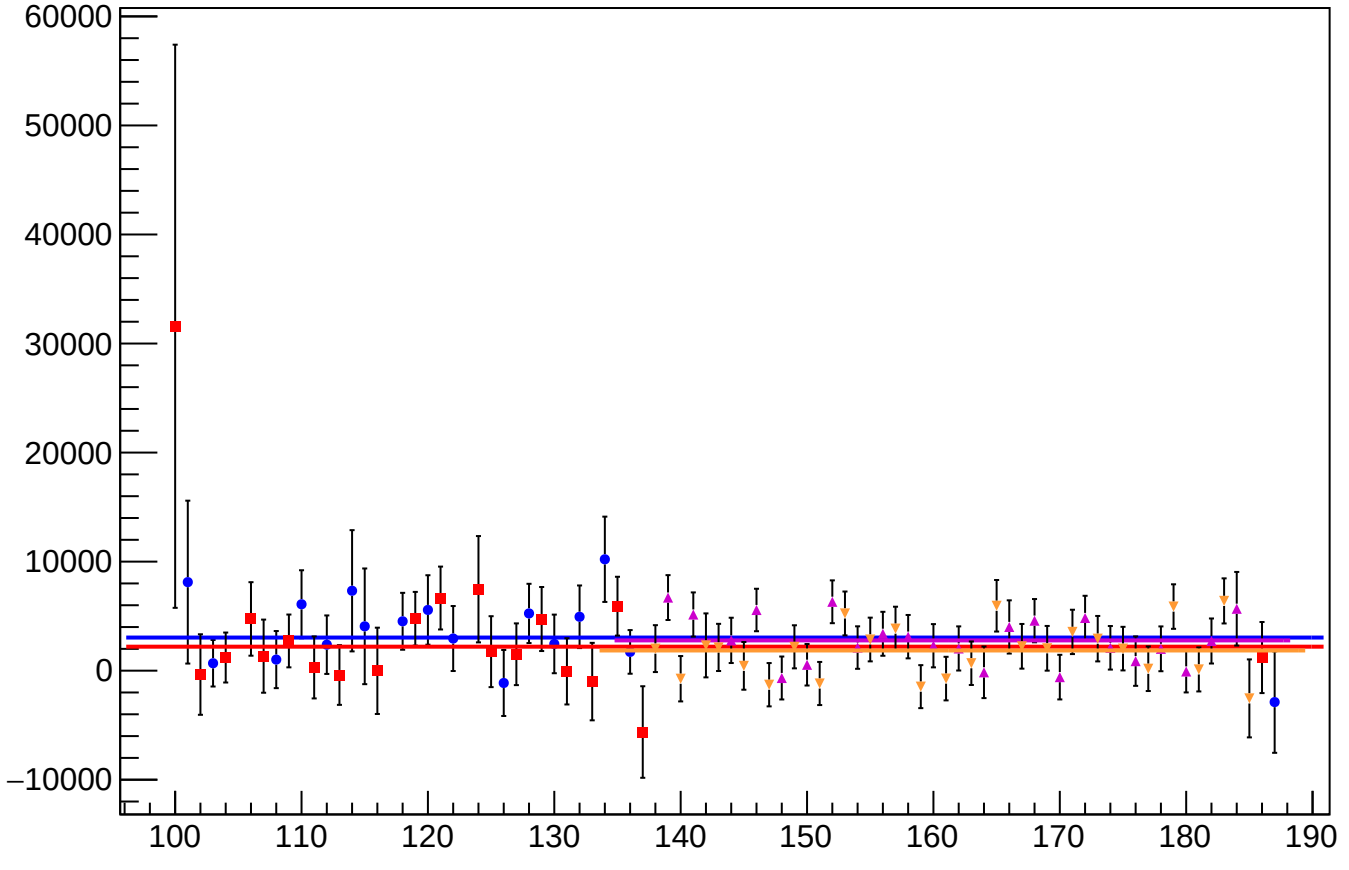
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 3936.656+/-0.752 χ^2/NDF: 2631404.9/36

In: 4487.236+/-0.643 χ^2/NDF:2451959.7/39

Out: 4354.424+/-0.614 χ^2/NDF:3256892.6/44

All: 4417.806+/-0.444 χ^2/NDF: 5731161.6/84



Right In: 3036.934+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2199.763+/-694.582 χ^2/NDF: 16.6/19

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

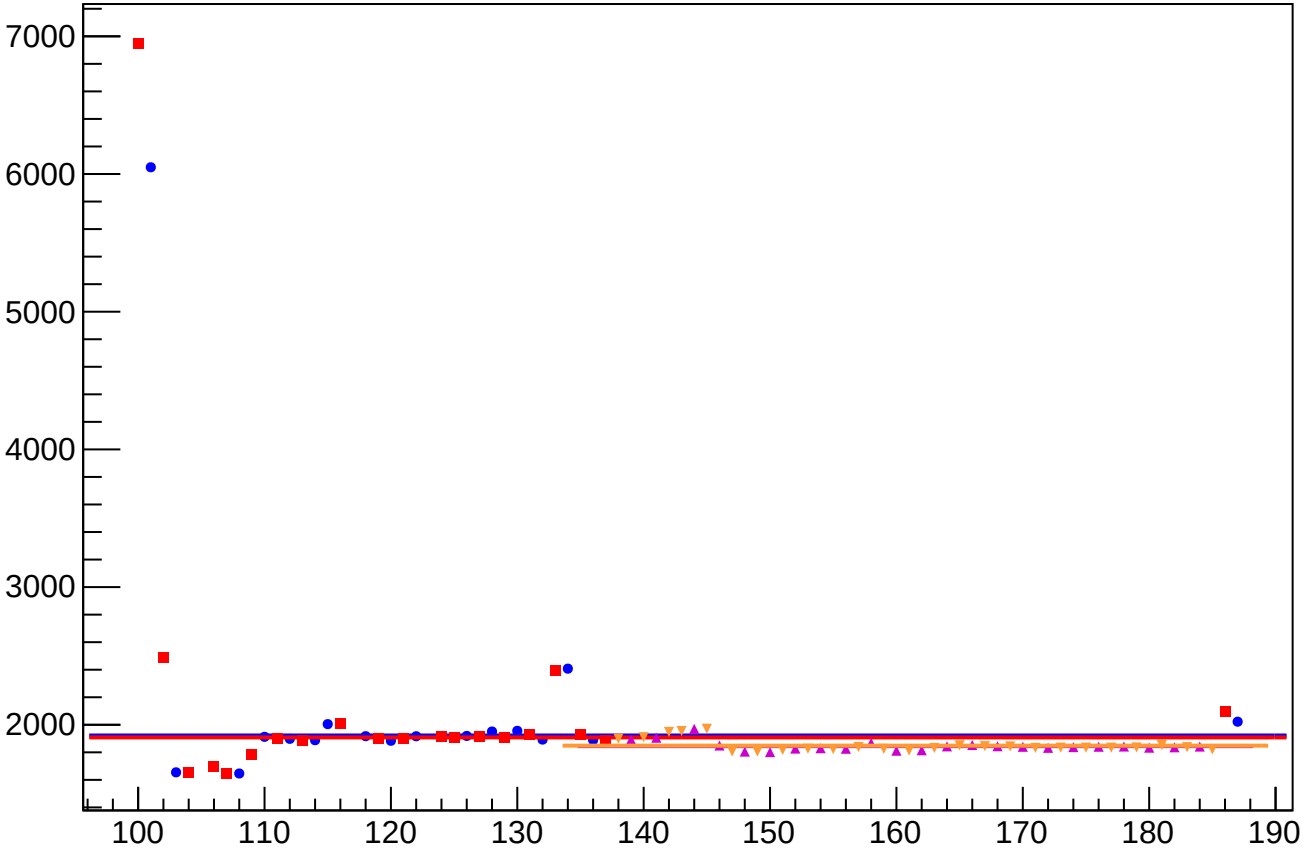
Right: 2601.992+/-500.647 χ^2/NDF: 30.7/36

In: 2844.298+/-370.030 χ^2/NDF:38.9/39

Out: 1945.031+/-359.407 χ^2/NDF:48.3/44

All: 2381.570+/-257.813 χ^2/NDF: 90.2/84

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1922.302+/-0.511 χ^2/NDF: 698282.1/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1908.291+/-0.490 χ^2/NDF: 222639.3/19

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

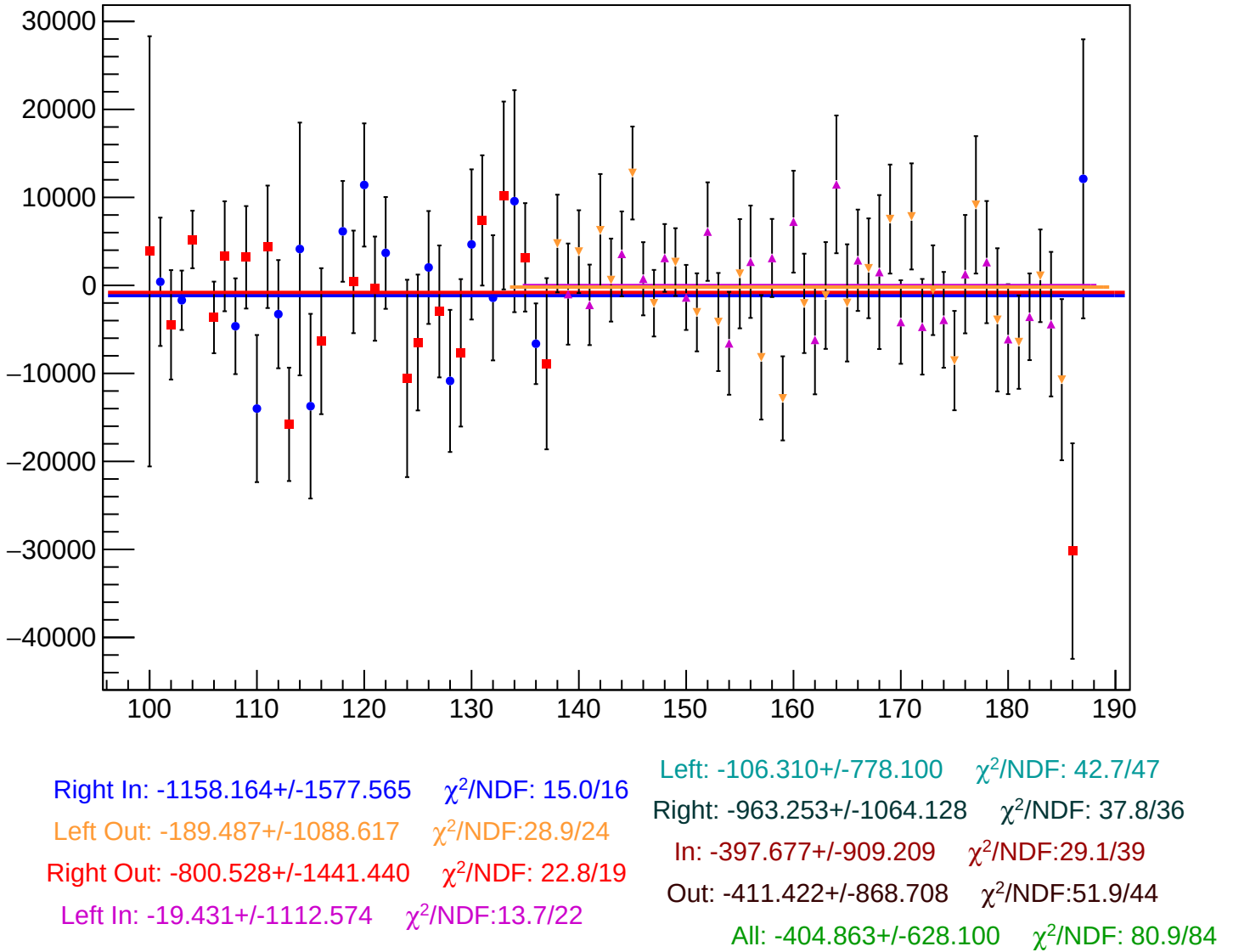
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

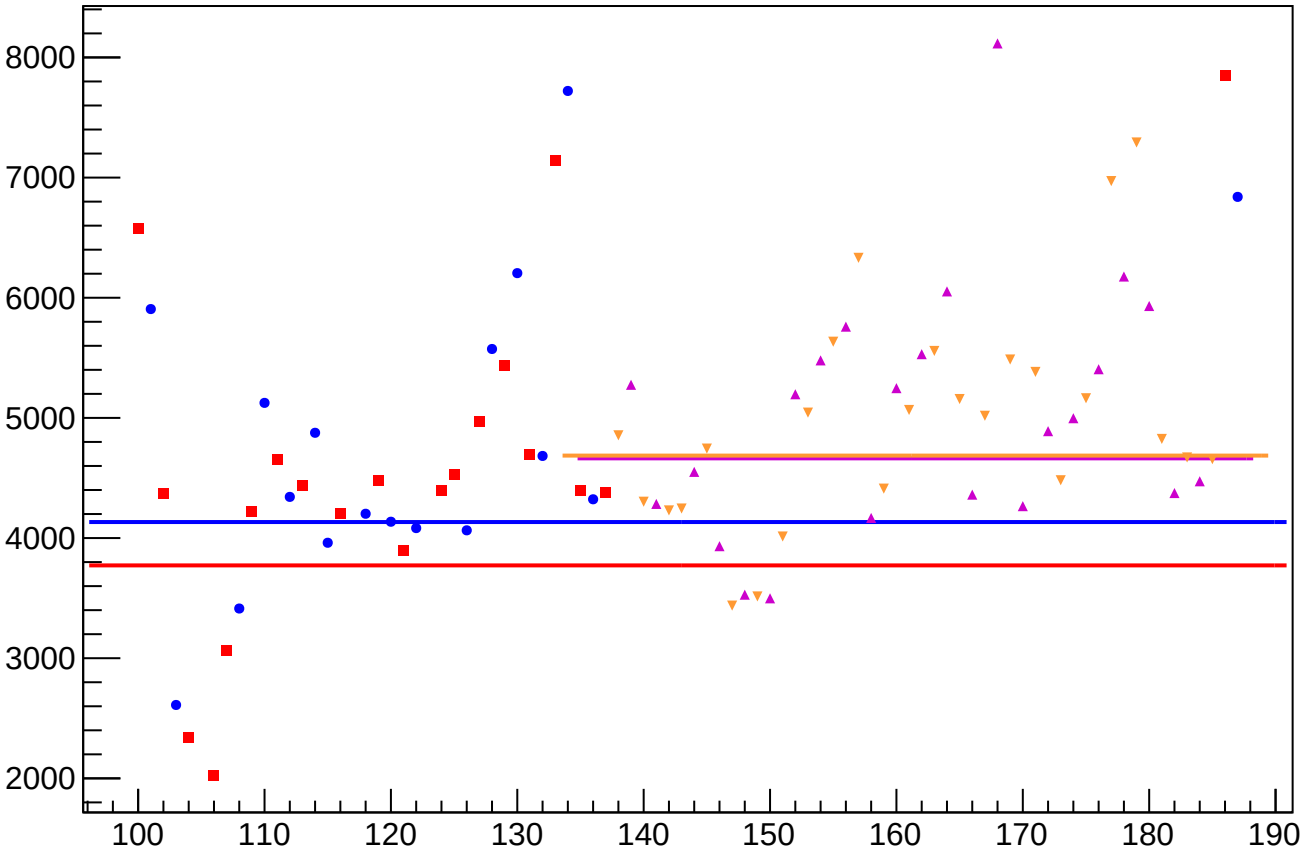
Right: 1915.012+/-0.354 χ^2/NDF: 921313.0/36

In: 1865.334+/-0.262 χ^2/NDF:729178.0/39

Out: 1864.560+/-0.254 χ^2/NDF:254394.0/44

All: 1864.936+/-0.182 χ^2/NDF: 983576.5/84


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1158.164+/-1577.565 χ²/NDF: 15.0/16
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -800.528+/-1441.440 χ²/NDF: 22.8/19
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -963.253+/-1064.128 χ²/NDF: 37.8/36
In: -397.677+/-909.209 χ²/NDF:29.1/39
Out: -411.422+/-868.708 χ²/NDF:51.9/44
All: -404.863+/-628.100 χ²/NDF: 80.9/84



Right In: 4133.301+/-1.116 χ^2/NDF: 1014495.9/16

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3772.482+/-1.019 χ^2/NDF: 1559888.7/19

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

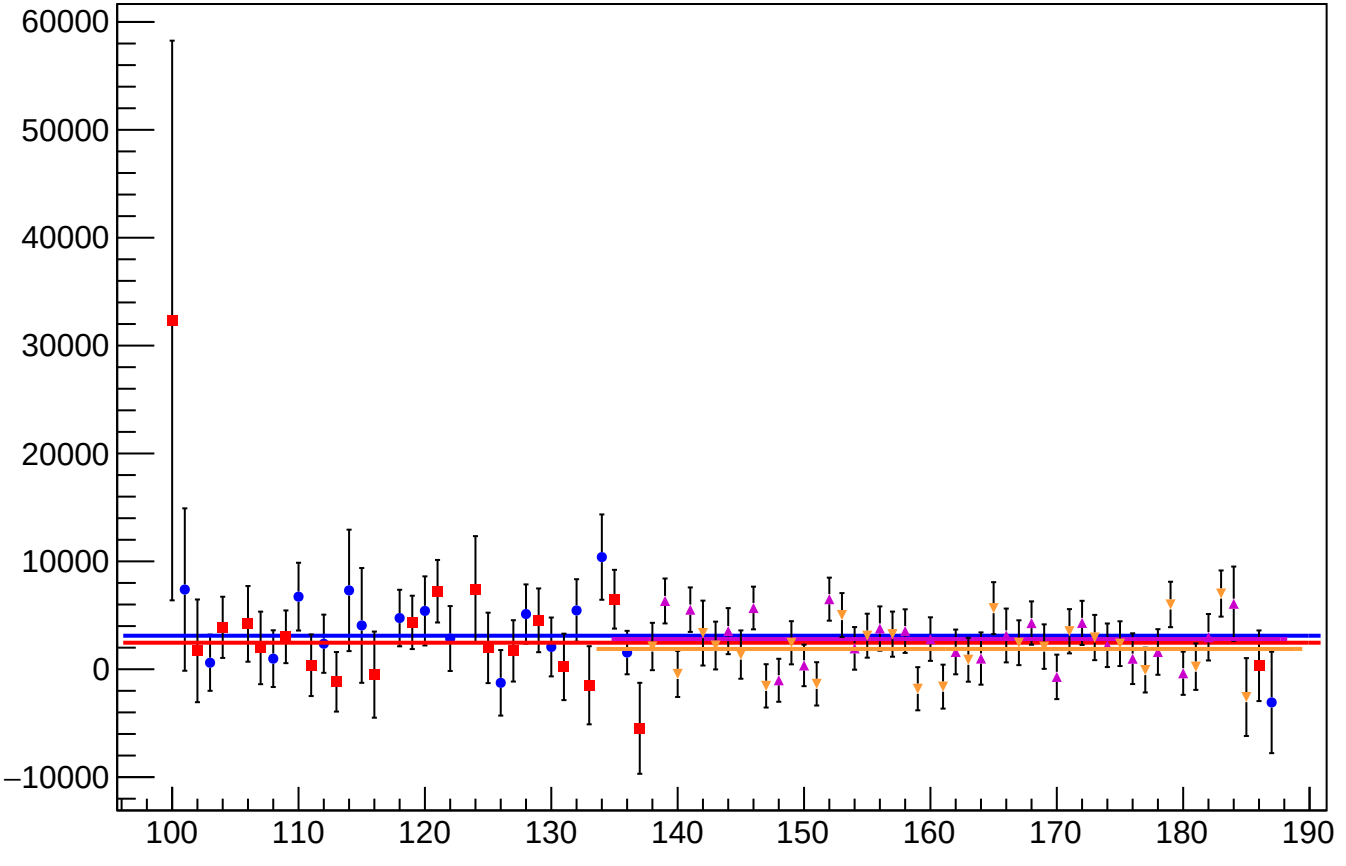
Right: 3936.656+/-0.752 χ^2/NDF: 2631404.9/36

In: 4487.236+/-0.643 χ^2/NDF:2451959.7/39

Out: 4354.424+/-0.614 χ^2/NDF:3256892.6/44

All: 4417.806+/-0.444 χ^2/NDF: 5731161.6/84

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3106.926+/-741.468 χ^2/NDF: 13.9/16

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2458.991+/-717.032 χ^2/NDF: 17.5/19

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

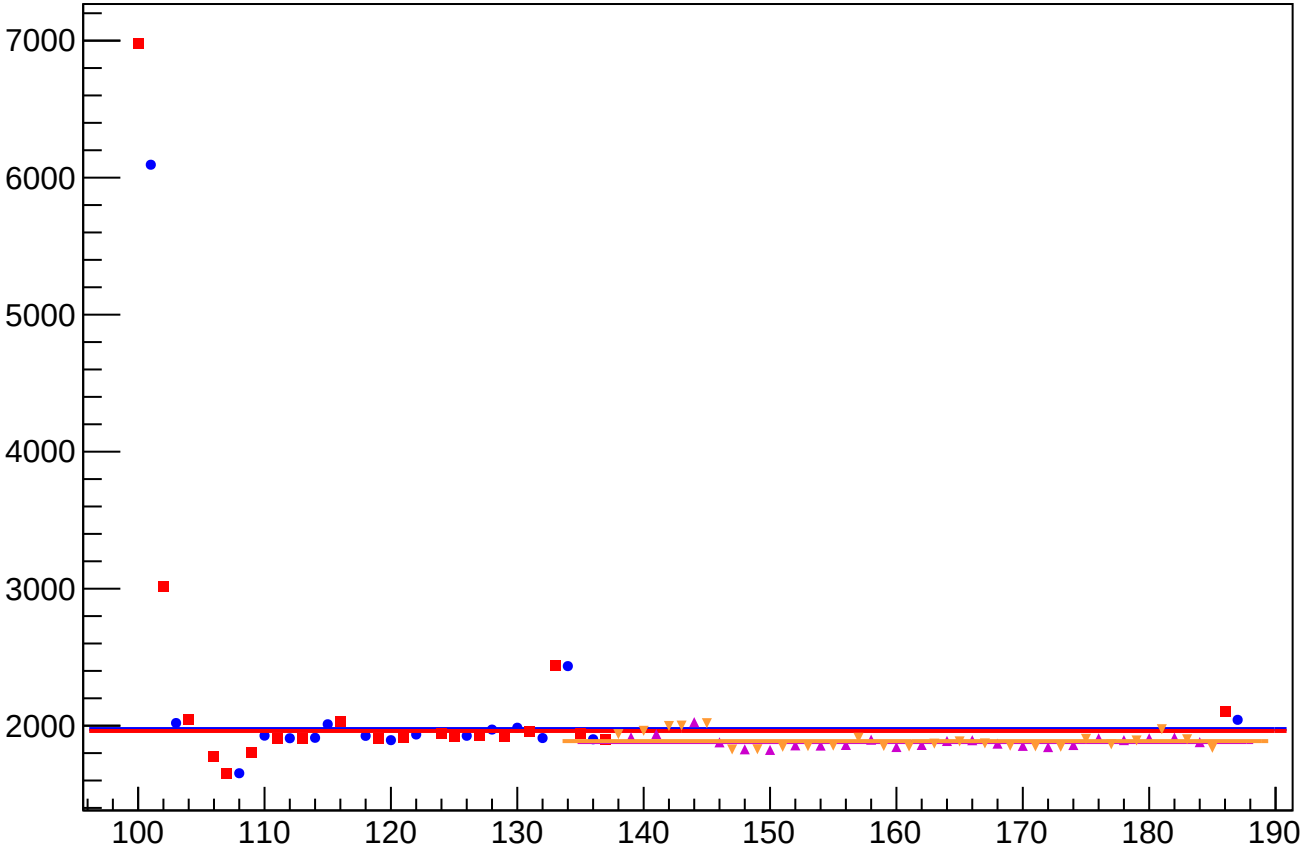
Right: 2772.106+/-515.440 χ^2/NDF: 31.8/36

In: 2878.569+/-377.904 χ^2/NDF:39.5/39

Out: 2033.296+/-368.128 χ^2/NDF:50.9/44

All: 2444.858+/-263.694 χ^2/NDF: 93.0/84

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1975.468+/-0.524 χ^2/NDF: 665546.2/16

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1961.599+/-0.507 χ^2/NDF: 250294.7/19

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

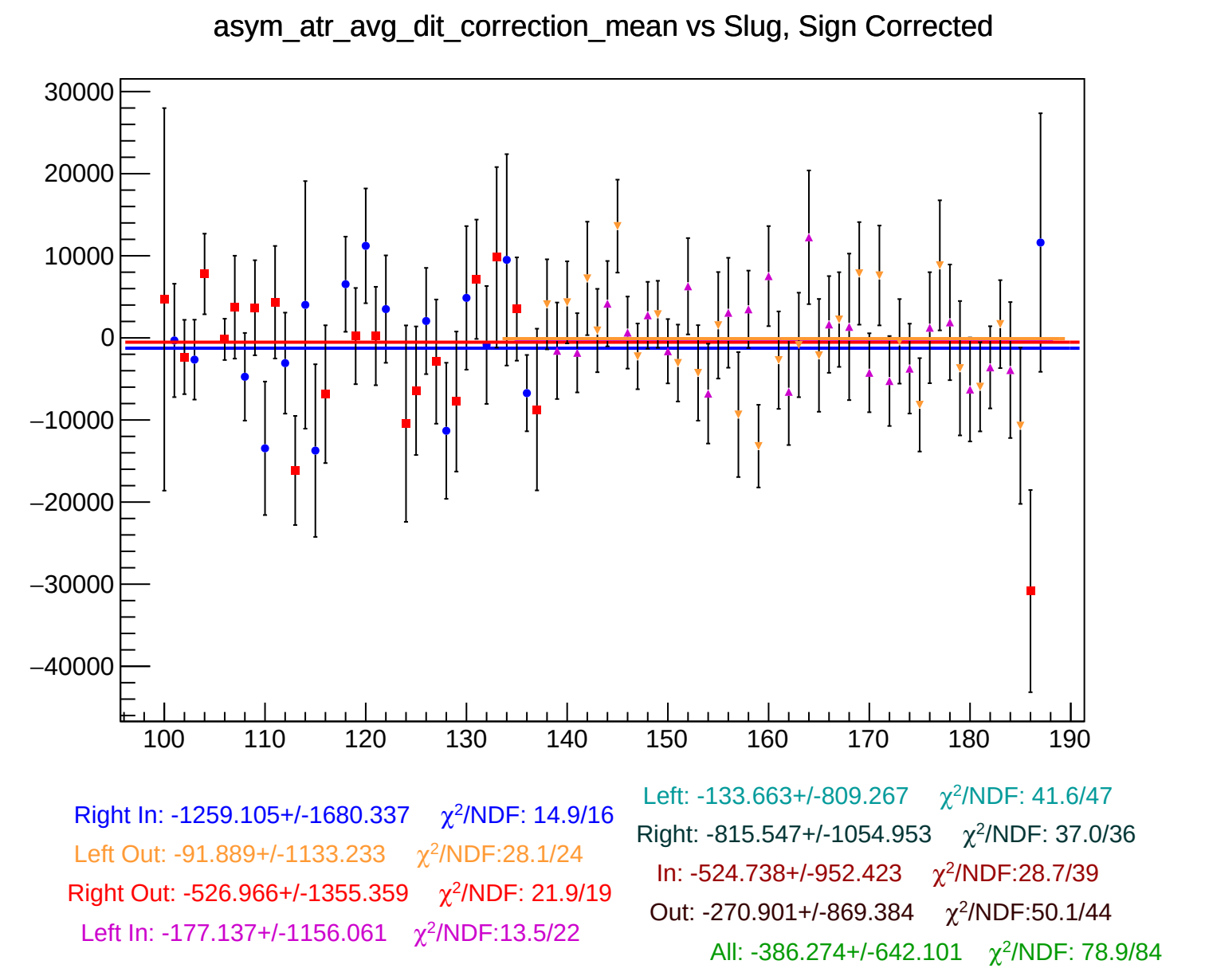
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

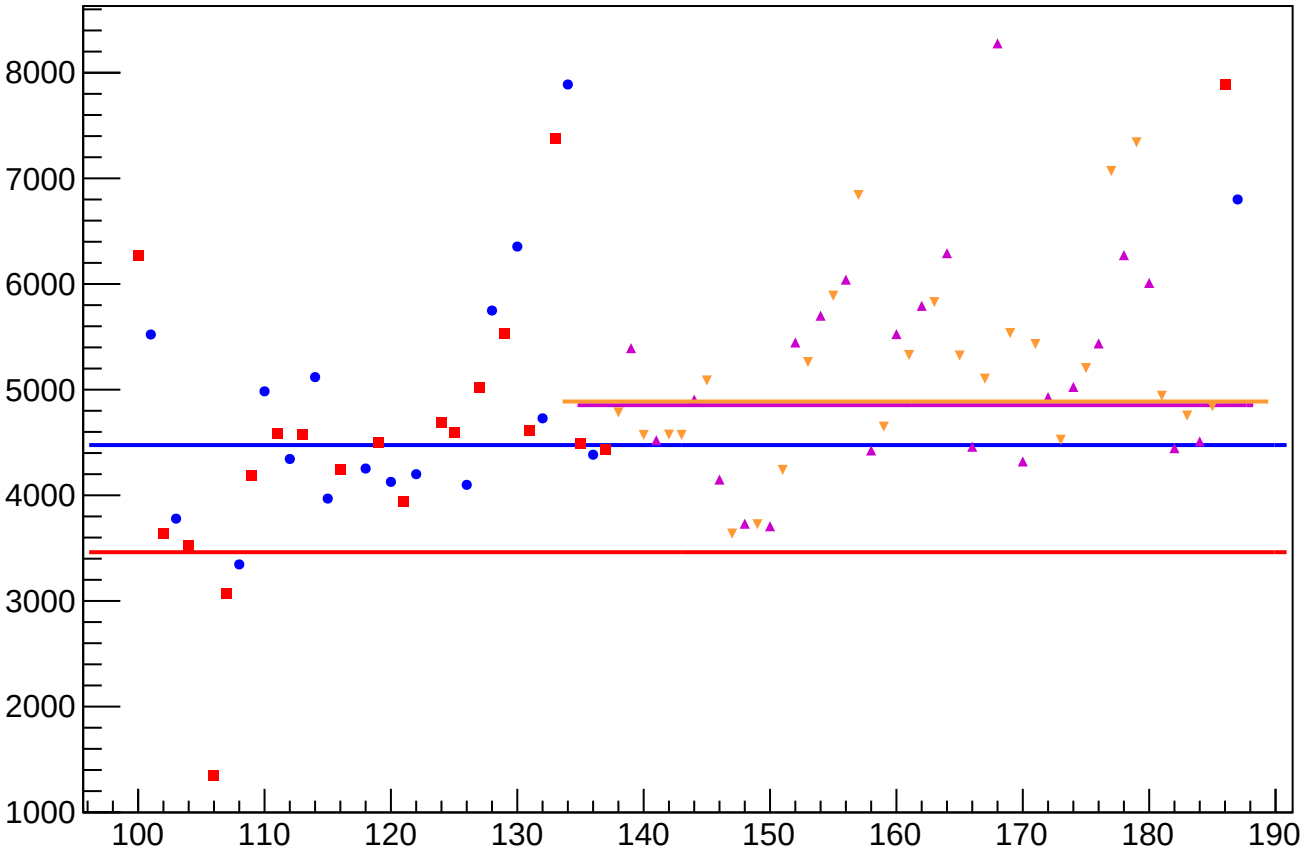
Right: 1968.296+/-0.364 χ^2/NDF: 916202.8/36

In: 1905.225+/-0.267 χ^2/NDF:708832.4/39

Out: 1907.089+/-0.260 χ^2/NDF:297979.7/44

All: 1906.181+/-0.186 χ^2/NDF: 1006837.1/84


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1259.105+/-1680.337 χ²/NDF: 14.9/16
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -526.966+/-1355.359 χ²/NDF: 21.9/19
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -815.547+/-1054.953 χ²/NDF: 37.0/36
In: -524.738+/-952.423 χ²/NDF:28.7/39
Out: -270.901+/-869.384 χ²/NDF:50.1/44
All: -386.274+/-642.101 χ²/NDF: 78.9/84



Right In: 4475.495+/-1.188 χ^2/NDF: 538722.7/16

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 3461.395+/-0.958 χ^2/NDF: 2587579.5/19

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

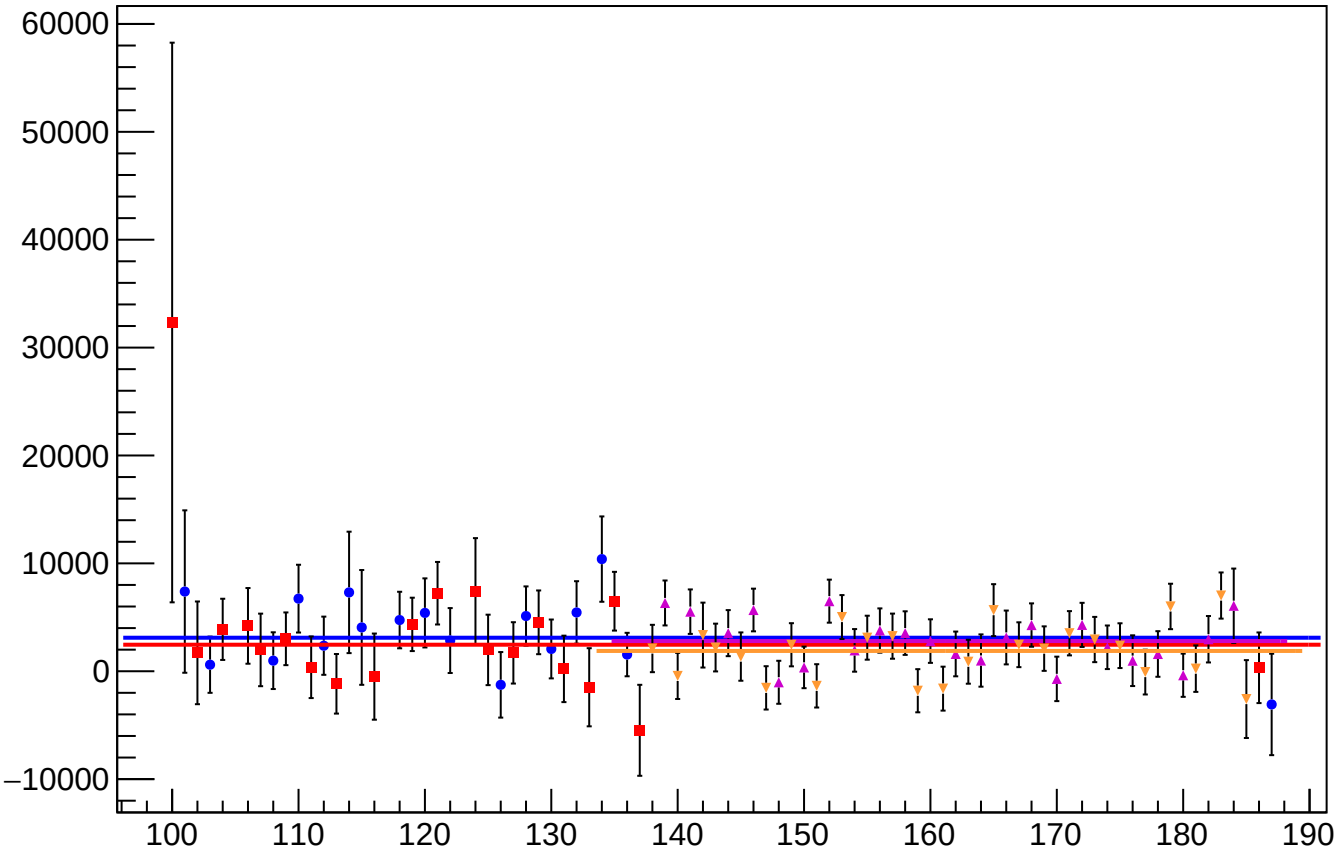
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 3861.114+/-0.746 χ^2/NDF: 3567624.9/36

In: 4731.967+/-0.673 χ^2/NDF:1786005.6/39

Out: 4300.922+/-0.615 χ^2/NDF:4954661.6/44

All: 4496.838+/-0.454 χ^2/NDF: 6964126.0/84



Right In: 3106.931+/-741.468 χ^2/NDF: 13.9/16

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2459.000+/-717.032 χ^2/NDF: 17.5/19

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

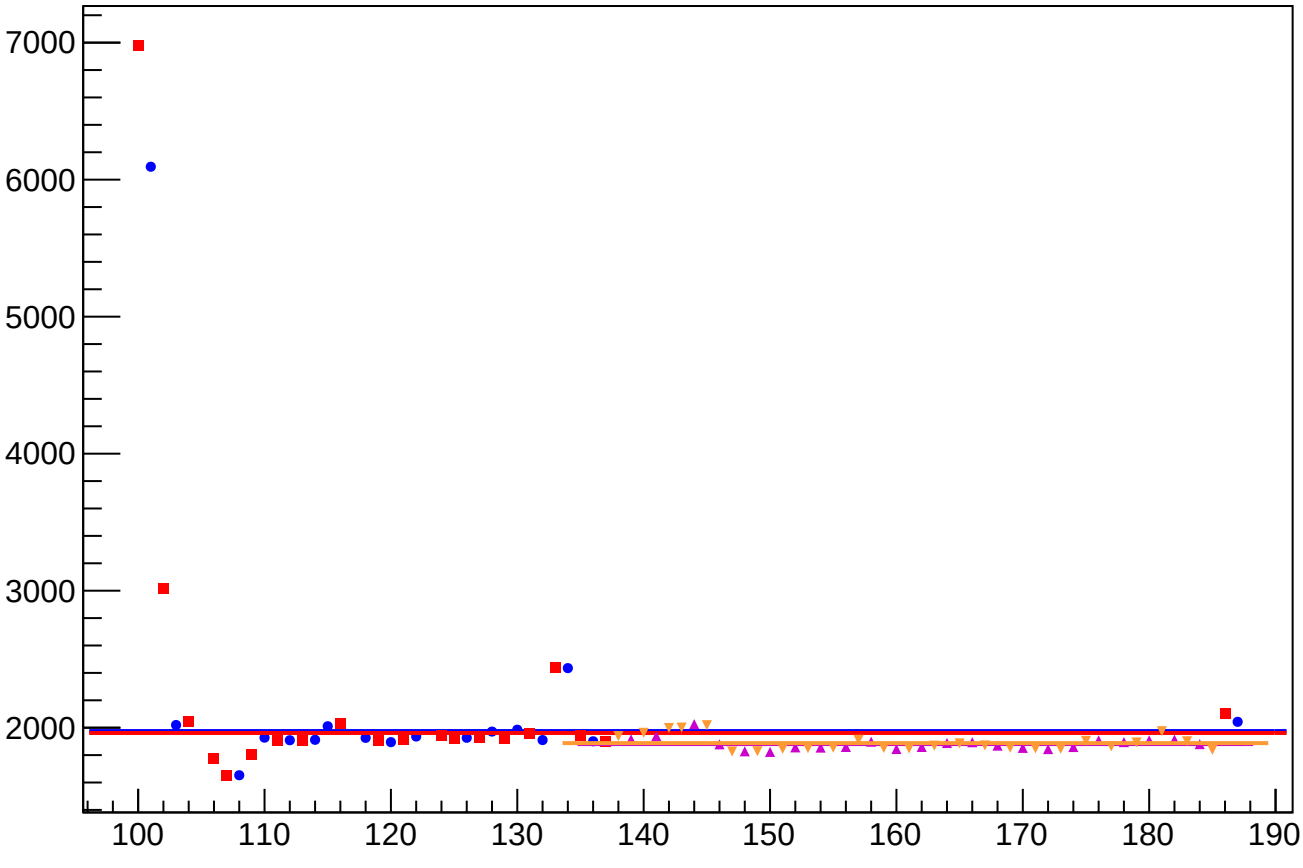
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2772.113+/-515.440 χ^2/NDF: 31.8/36

In: 2878.571+/-377.904 χ^2/NDF:39.5/39

Out: 2033.294+/-368.128 χ^2/NDF:50.9/44

All: 2444.858+/-263.694 χ^2/NDF: 93.0/84



Right In: 1975.468+/-0.524 χ^2/NDF: 665546.2/16

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1961.599+/-0.507 χ^2/NDF: 250294.1/19

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

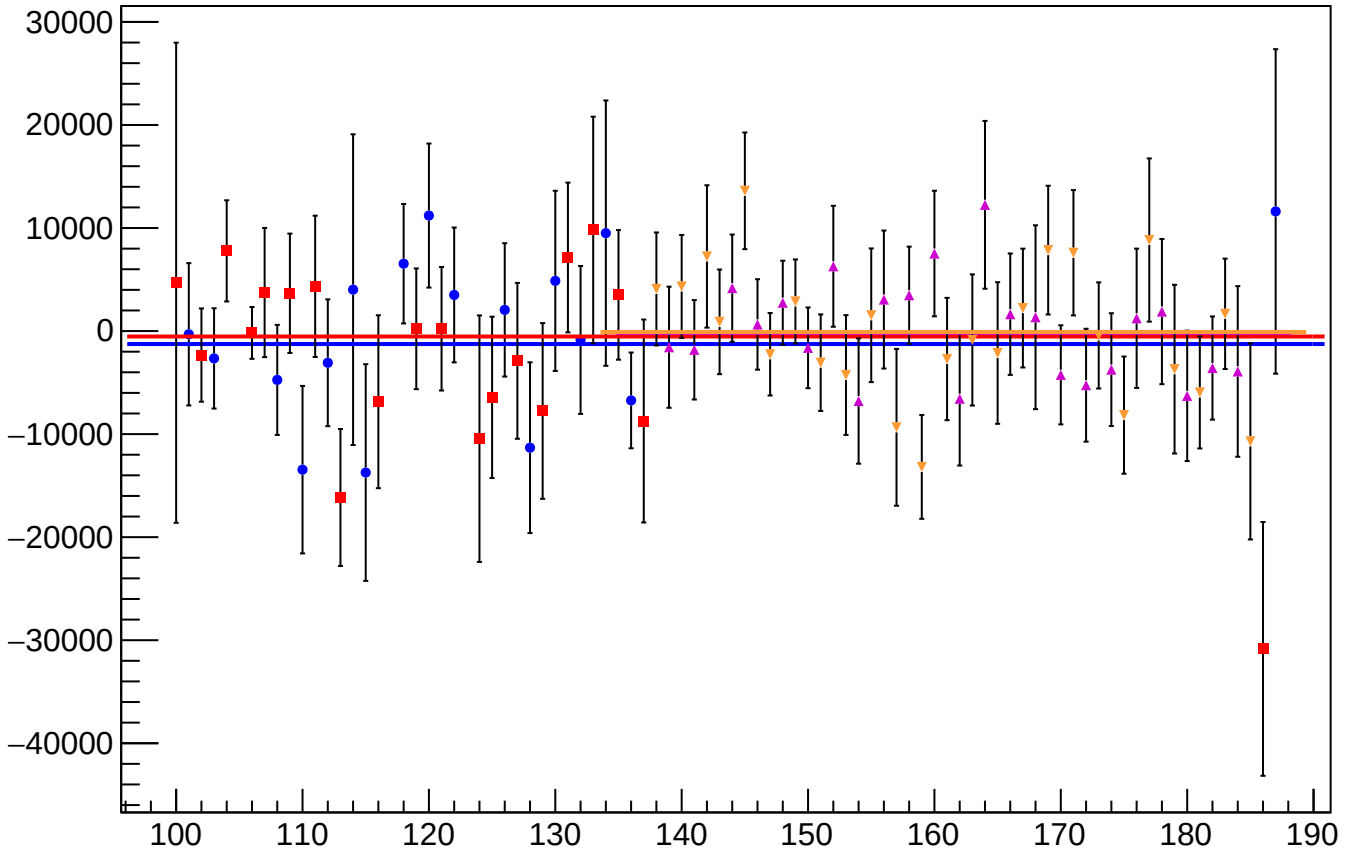
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1968.295+/-0.364 χ^2/NDF: 916202.2/36

In: 1905.225+/-0.267 χ^2/NDF:708831.9/39

Out: 1907.089+/-0.260 χ^2/NDF:297978.8/44

All: 1906.182+/-0.186 χ^2/NDF: 1006835.6/84



Right In: -1259.087+/-1680.334 χ^2/NDF: 14.9/16

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -526.967+/-1355.356 χ^2/NDF: 21.9/19

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

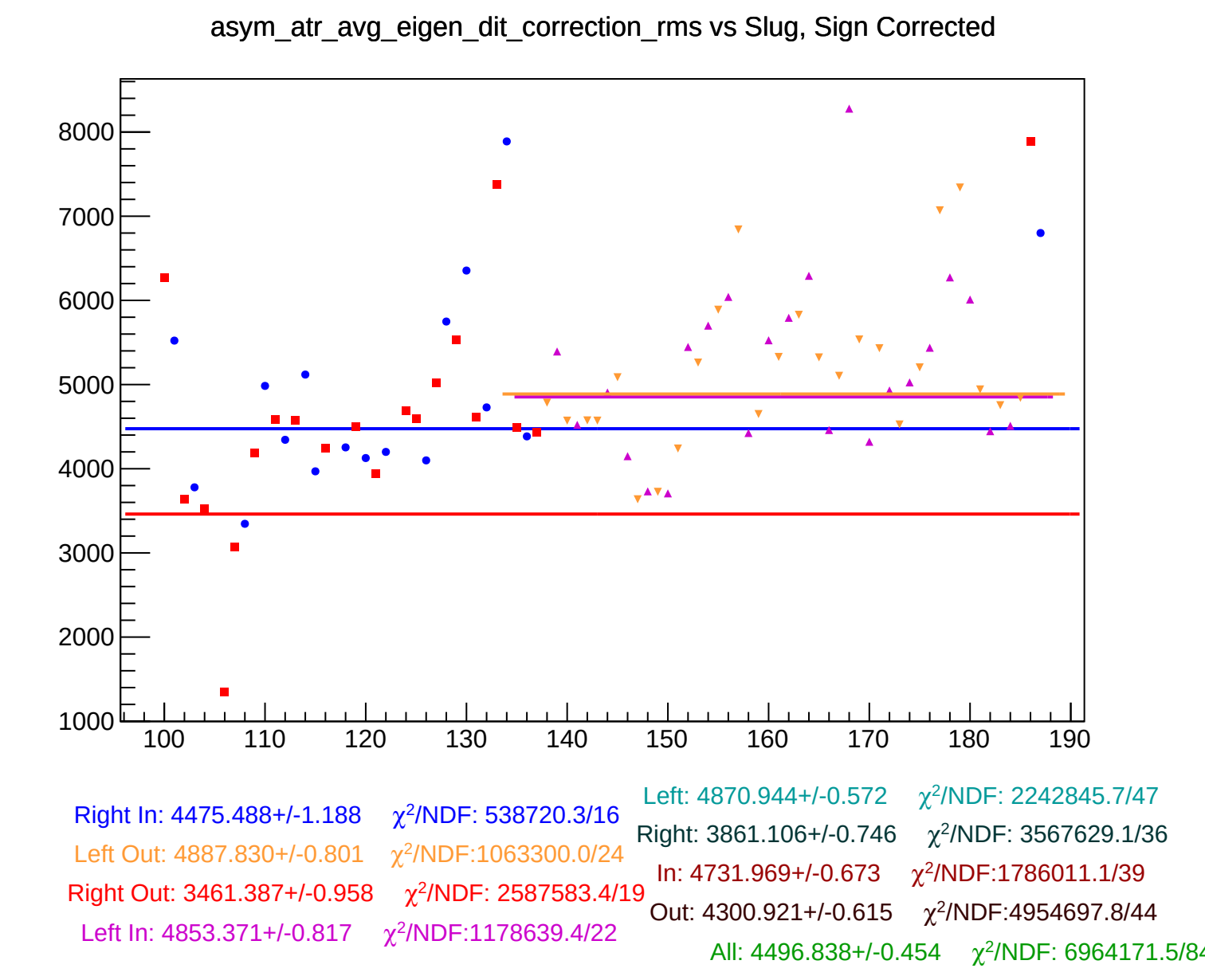
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -815.540+/-1054.951 χ^2/NDF: 37.0/36

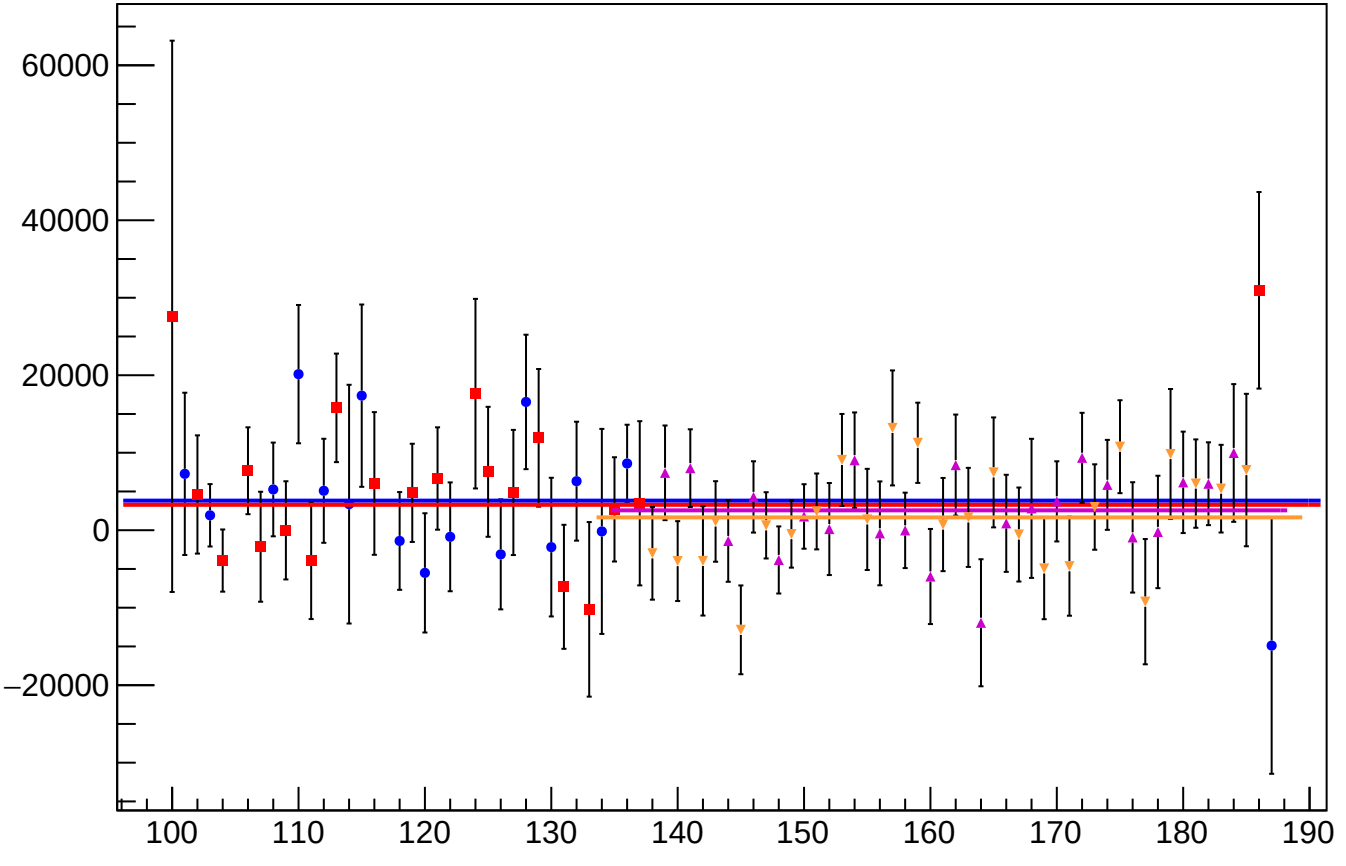
In: -524.736+/-952.423 χ^2/NDF:28.7/39

Out: -270.904+/-869.384 χ^2/NDF:50.1/44

All: -386.274+/-642.101 χ^2/NDF: 78.9/84


asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 4475.488+/-1.188 χ²/NDF: 538720.3/16
Left Out: 4887.830+/-0.801 χ²/NDF:1063300.0/24
Right Out: 3461.387+/-0.958 χ²/NDF: 2587583.4/19
Left In: 4853.371+/-0.817 χ²/NDF:1178639.4/22
Left: 4870.944+/-0.572 χ²/NDF: 2242845.7/47
Right: 3861.106+/-0.746 χ²/NDF: 3567629.1/36
In: 4731.969+/-0.673 χ²/NDF:1786011.1/39
Out: 4300.921+/-0.615 χ²/NDF:4954697.8/44
All: 4496.838+/-0.454 χ²/NDF: 6964171.5/84

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3817.578+/-1771.784 χ^2/NDF: 13.6/16

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 3281.356+/-1657.543 χ^2/NDF: 20.3/19

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

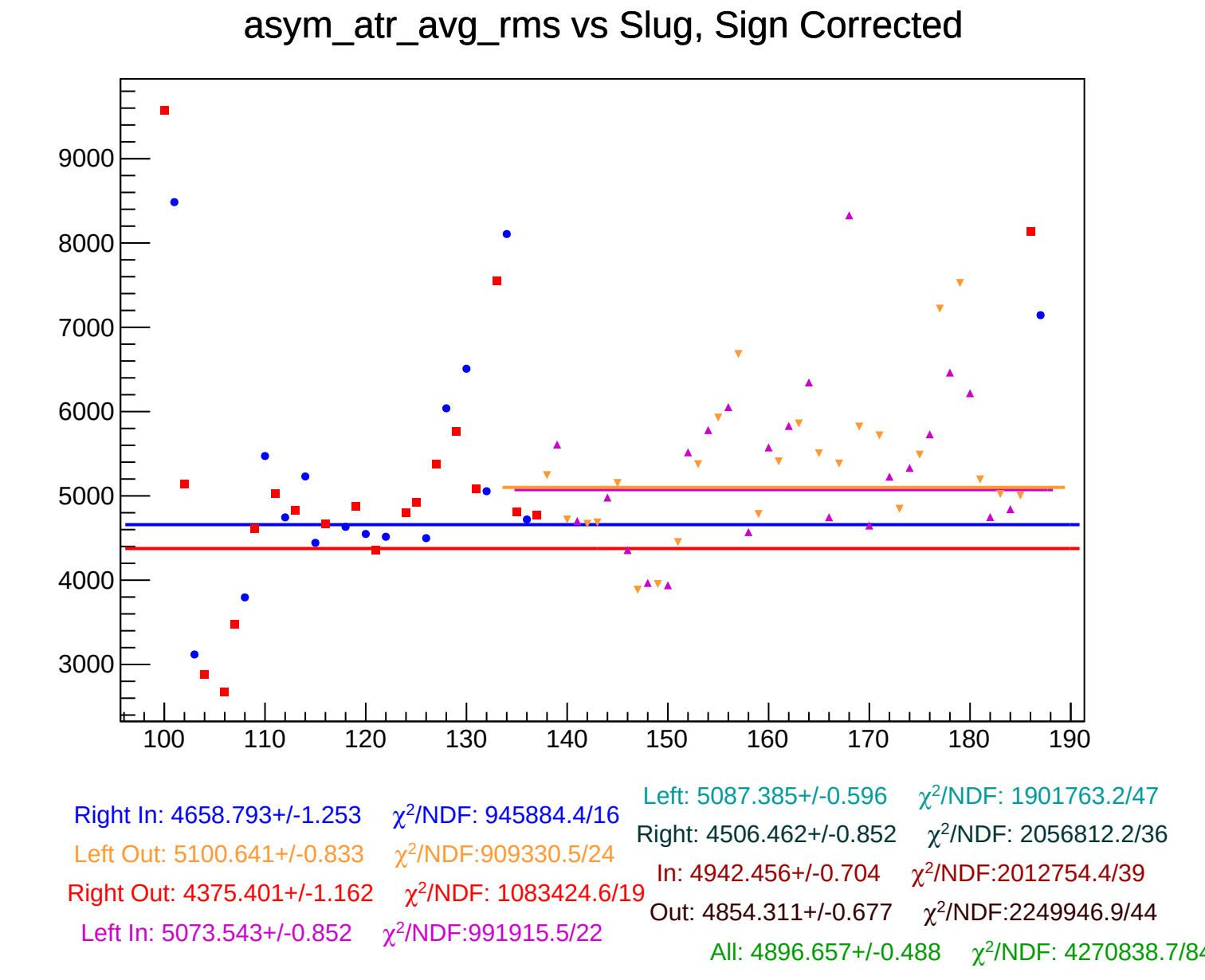
Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

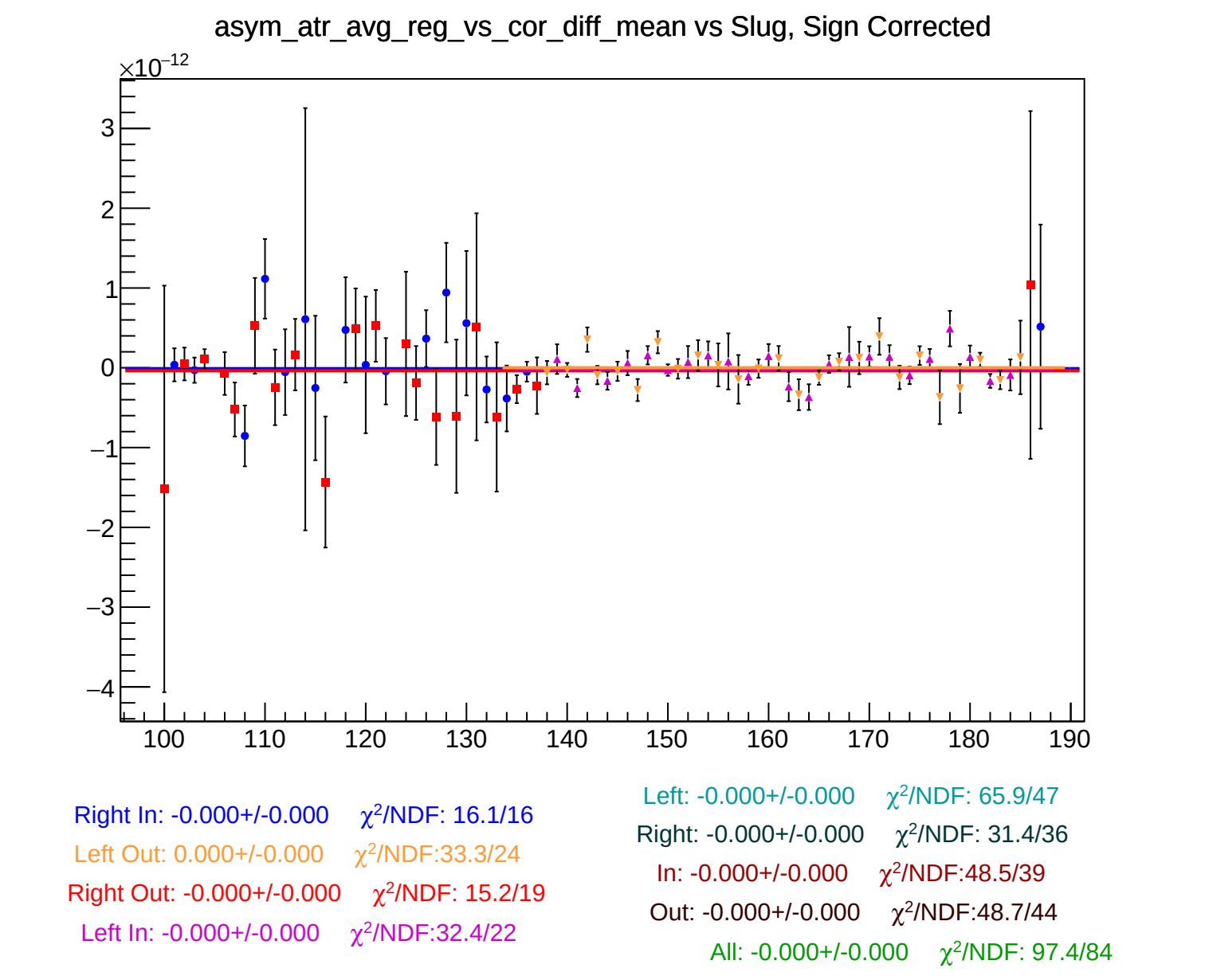
Right: 3531.624+/-1210.433 χ^2/NDF: 34.0/36

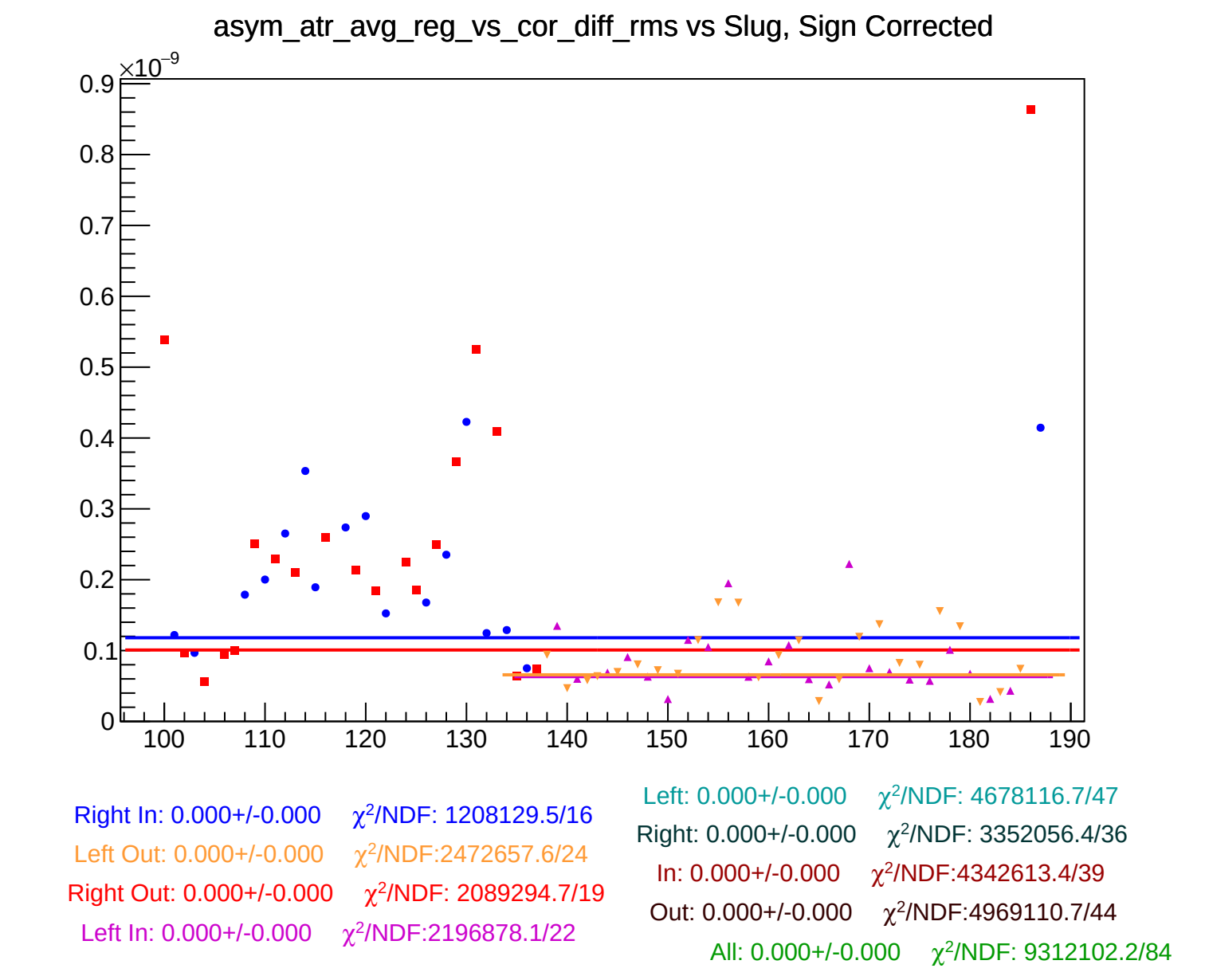
In: 2959.937+/-996.086 χ^2/NDF:29.9/39

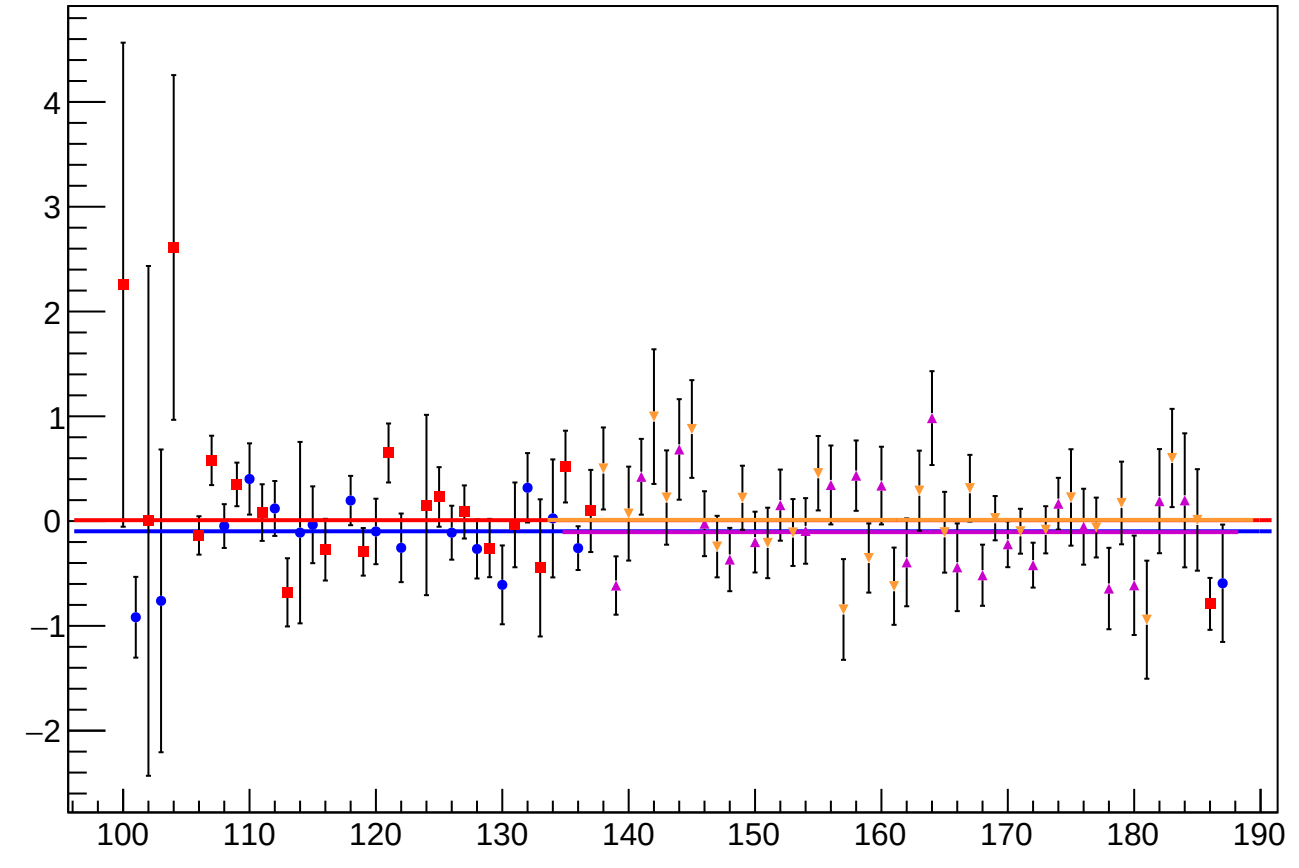
Out: 2200.925+/-960.561 χ^2/NDF:46.9/44

All: 2566.655+/-691.437 χ^2/NDF: 77.1/84


asym_atr_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 4658.793+/-1.253 χ²/NDF: 945884.4/16
Left Out: 5100.641+/-0.833 χ²/NDF:909330.5/24
Right Out: 4375.401+/-1.162 χ²/NDF: 1083424.6/19
Left In: 5073.543+/-0.852 χ²/NDF:991915.5/22
Left: 5087.385+/-0.596 χ²/NDF: 1901763.2/47
Right: 4506.462+/-0.852 χ²/NDF: 2056812.2/36
In: 4942.456+/-0.704 χ²/NDF:2012754.4/39
Out: 4854.311+/-0.677 χ²/NDF:2249946.9/44
All: 4896.657+/-0.488 χ²/NDF: 4270838.7/84


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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.1/16
Left Out: 0.000+/-0.000 χ²/NDF:33.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.2/19
Left In: -0.000+/-0.000 χ²/NDF:32.4/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/47
Right: -0.000+/-0.000 χ²/NDF: 31.4/36
In: -0.000+/-0.000 χ²/NDF:48.5/39
Out: -0.000+/-0.000 χ²/NDF:48.7/44
All: -0.000+/-0.000 χ²/NDF: 97.4/84


asym_atr_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
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1208129.5/16
Left Out: 0.000+/-0.000 χ²/NDF:2472657.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2089294.7/19
Left In: 0.000+/-0.000 χ²/NDF:2196878.1/22
Left: 0.000+/-0.000 χ²/NDF: 4678116.7/47
Right: 0.000+/-0.000 χ²/NDF: 3352056.4/36
In: 0.000+/-0.000 χ²/NDF:4342613.4/39
Out: 0.000+/-0.000 χ²/NDF:4969110.7/44
All: 0.000+/-0.000 χ²/NDF: 9312102.2/84



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.009+/-0.067 χ^2/NDF: 39.9/19

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

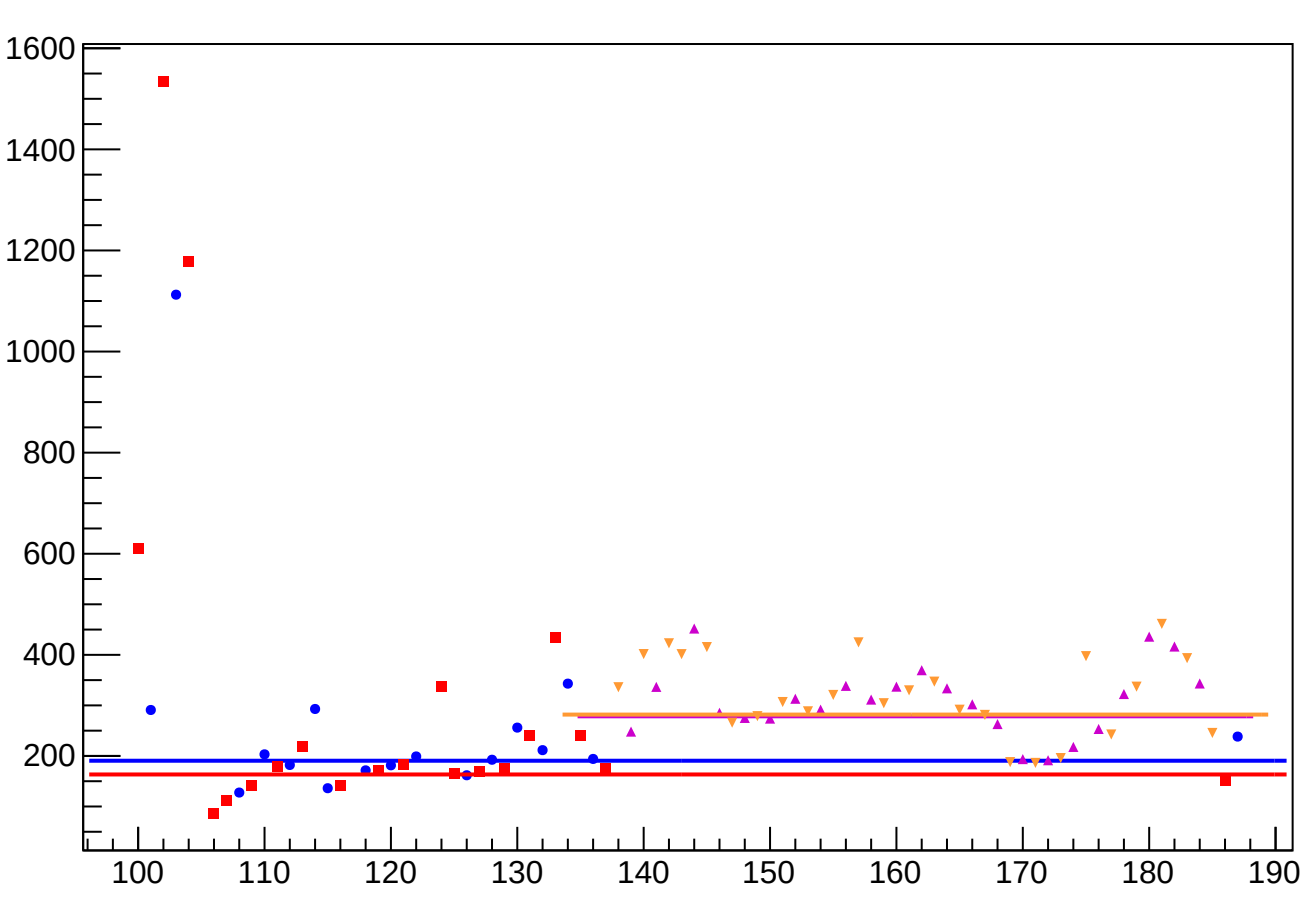
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.038+/-0.050 χ^2/NDF: 55.6/36

In: -0.102+/-0.051 χ^2/NDF:46.1/39

Out: 0.010+/-0.048 χ^2/NDF:65.1/44

All: -0.042+/-0.035 χ^2/NDF: 113.7/84



Right In: 190.526+/-0.054 χ^2/NDF: 1480295.9/16

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 163.358+/-0.048 χ^2/NDF: 2648251.6/19

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

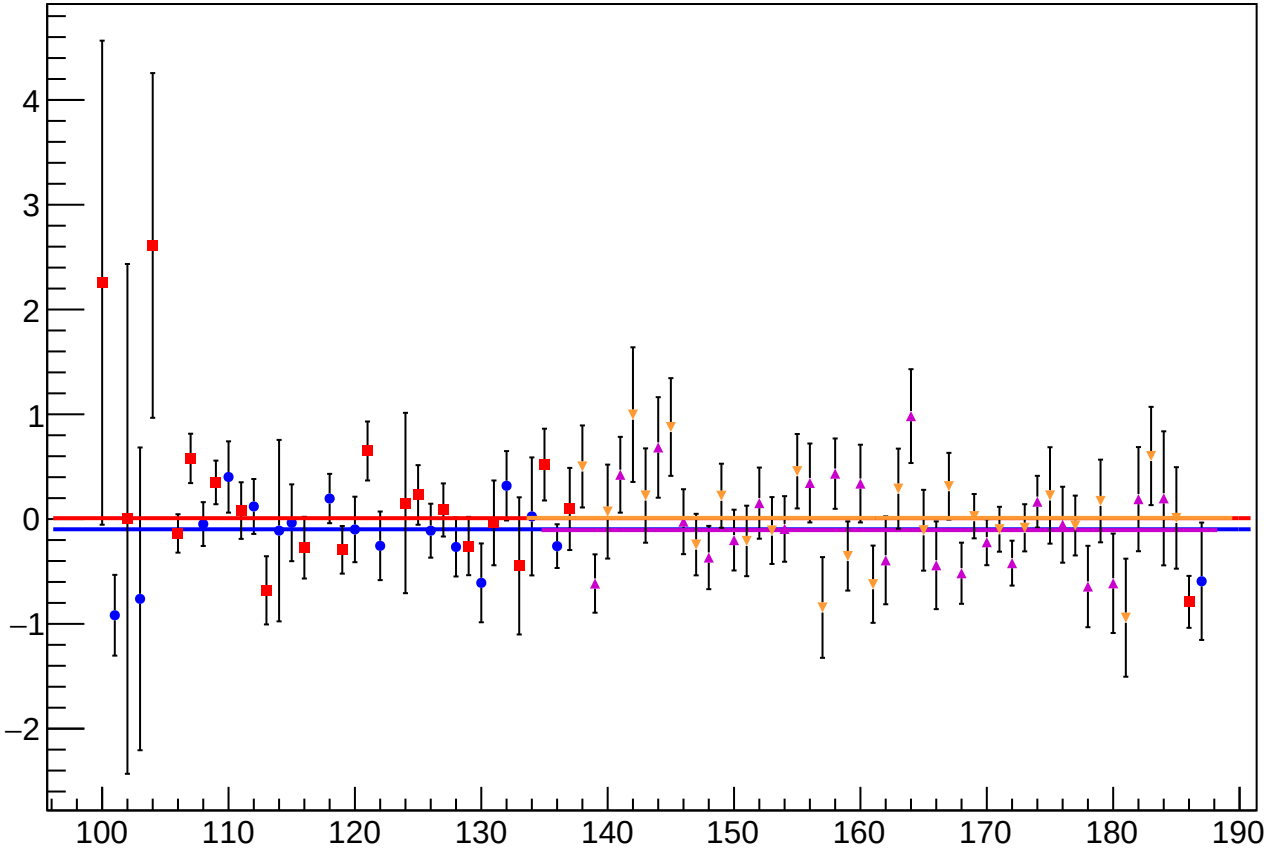
Right: 175.303+/-0.036 χ^2/NDF: 4271529.0/36

In: 238.988+/-0.036 χ^2/NDF:4752494.6/39

Out: 222.001+/-0.034 χ^2/NDF:8229694.6/44

All: 229.969+/-0.025 χ^2/NDF: 13100273.4/84

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.009+/-0.067 χ^2/NDF: 39.9/19

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

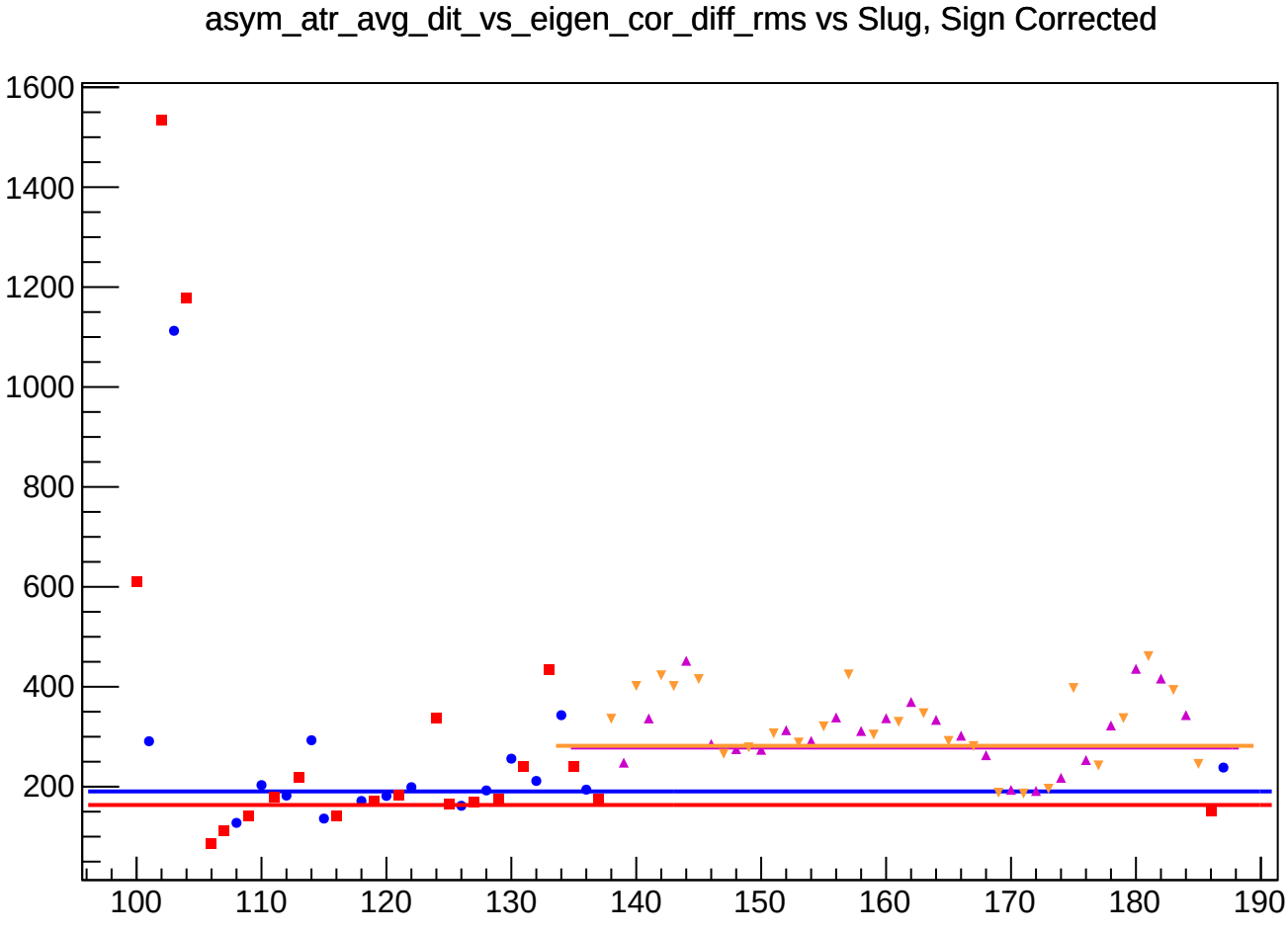
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.038+/-0.050 χ^2/NDF: 55.6/36

In: -0.102+/-0.051 χ^2/NDF:46.1/39

Out: 0.010+/-0.048 χ^2/NDF:65.1/44

All: -0.042+/-0.035 χ^2/NDF: 113.7/84



Right In: 190.526+/-0.054 χ^2/NDF: 1480295.9/16

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 163.358+/-0.048 χ^2/NDF: 2648251.6/19

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

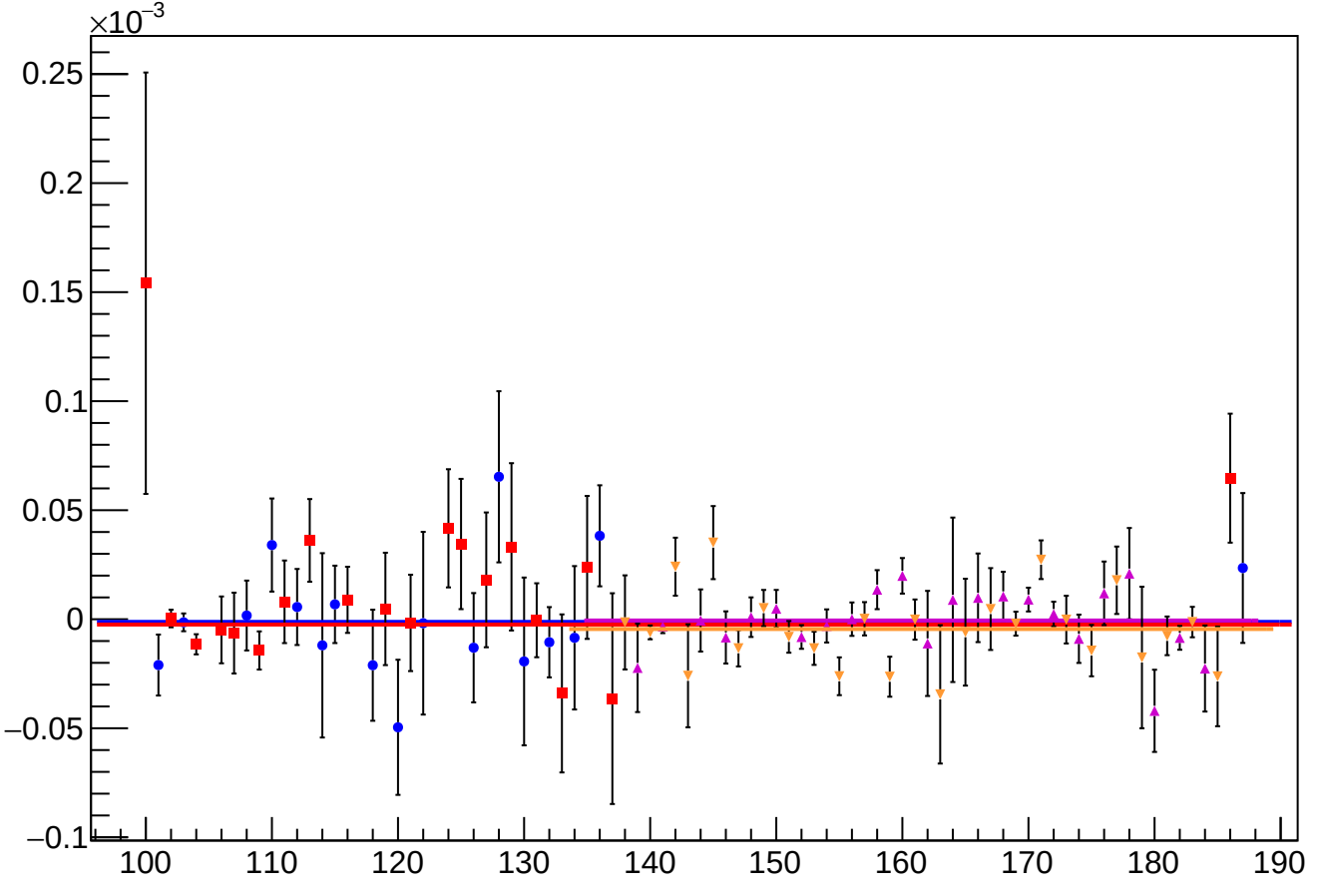
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 175.303+/-0.036 χ^2/NDF: 4271529.0/36

In: 238.988+/-0.036 χ^2/NDF:4752494.6/39

Out: 222.001+/-0.034 χ^2/NDF:8229694.6/44

All: 229.969+/-0.025 χ^2/NDF: 13100273.4/84



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/19

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

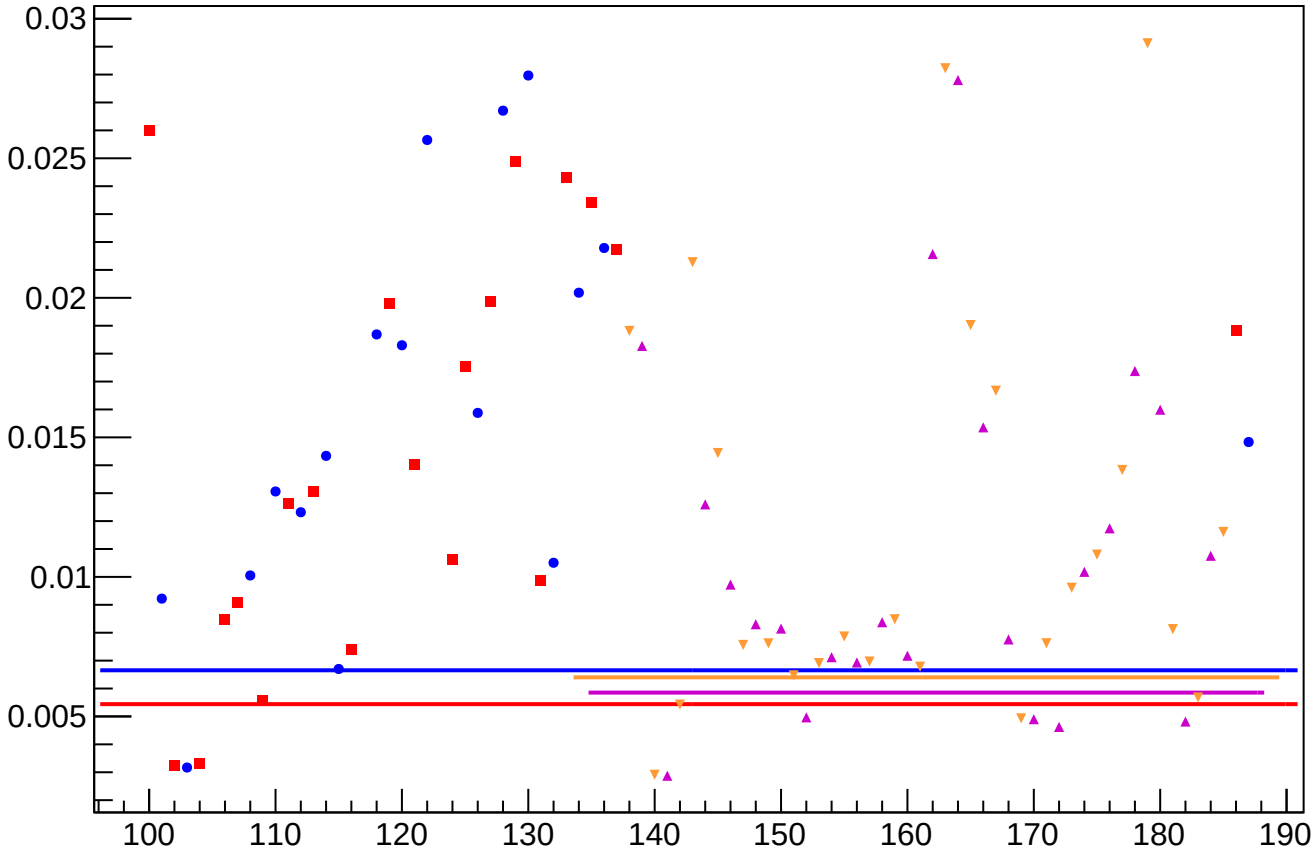
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 41.9/36

In: -0.000+/-0.000 χ^2/NDF:44.5/39

Out: -0.000+/-0.000 χ^2/NDF:73.3/44

All: -0.000+/-0.000 χ^2/NDF: 120.1/84



Right In: 0.007+/-0.000 χ^2/NDF: 6042364.7/16

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6098455.1/19

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

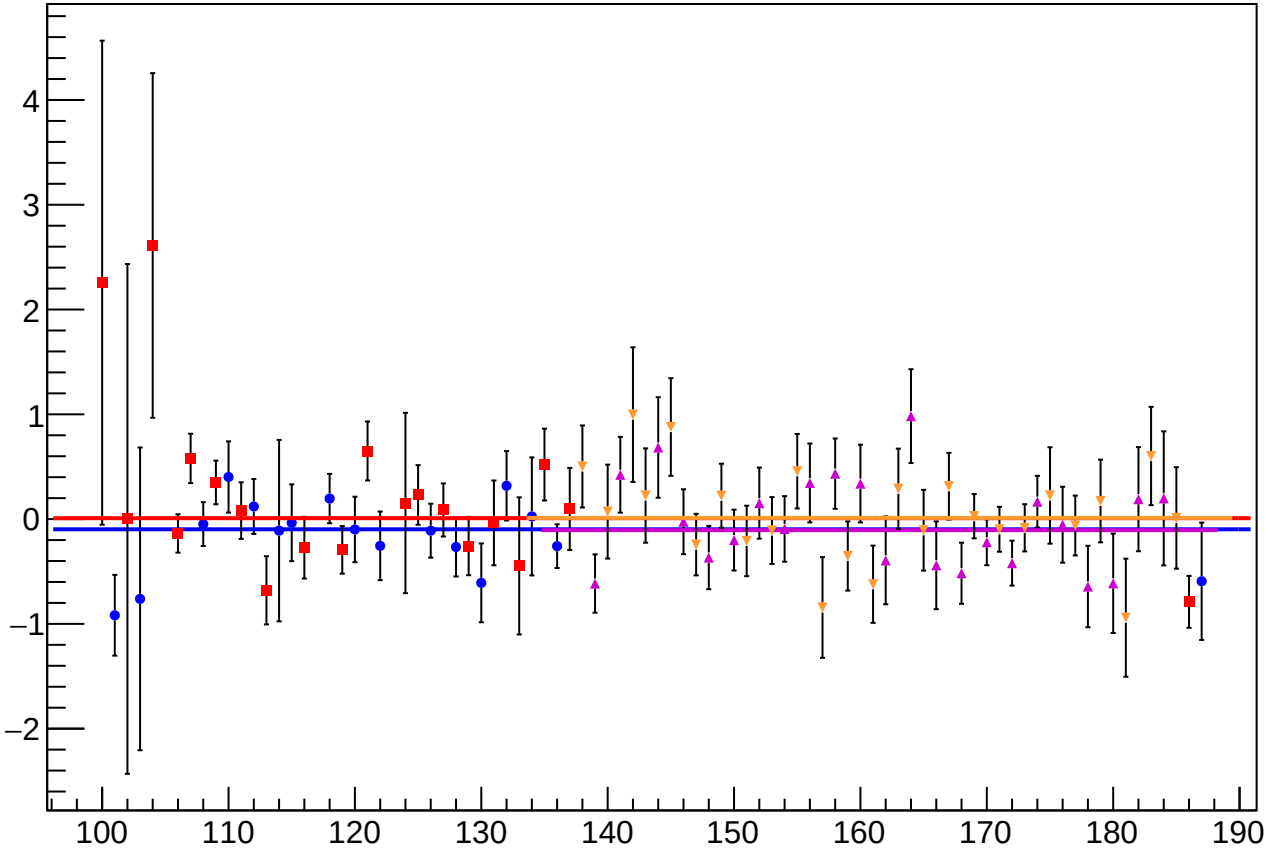
Right: 0.006+/-0.000 χ^2/NDF: 12309850.7/36

In: 0.006+/-0.000 χ^2/NDF:14280993.4/39

Out: 0.006+/-0.000 χ^2/NDF:15256906.4/44

All: 0.006+/-0.000 χ^2/NDF: 29541743.1/84

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.009+/-0.067 χ^2/NDF: 39.9/19

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

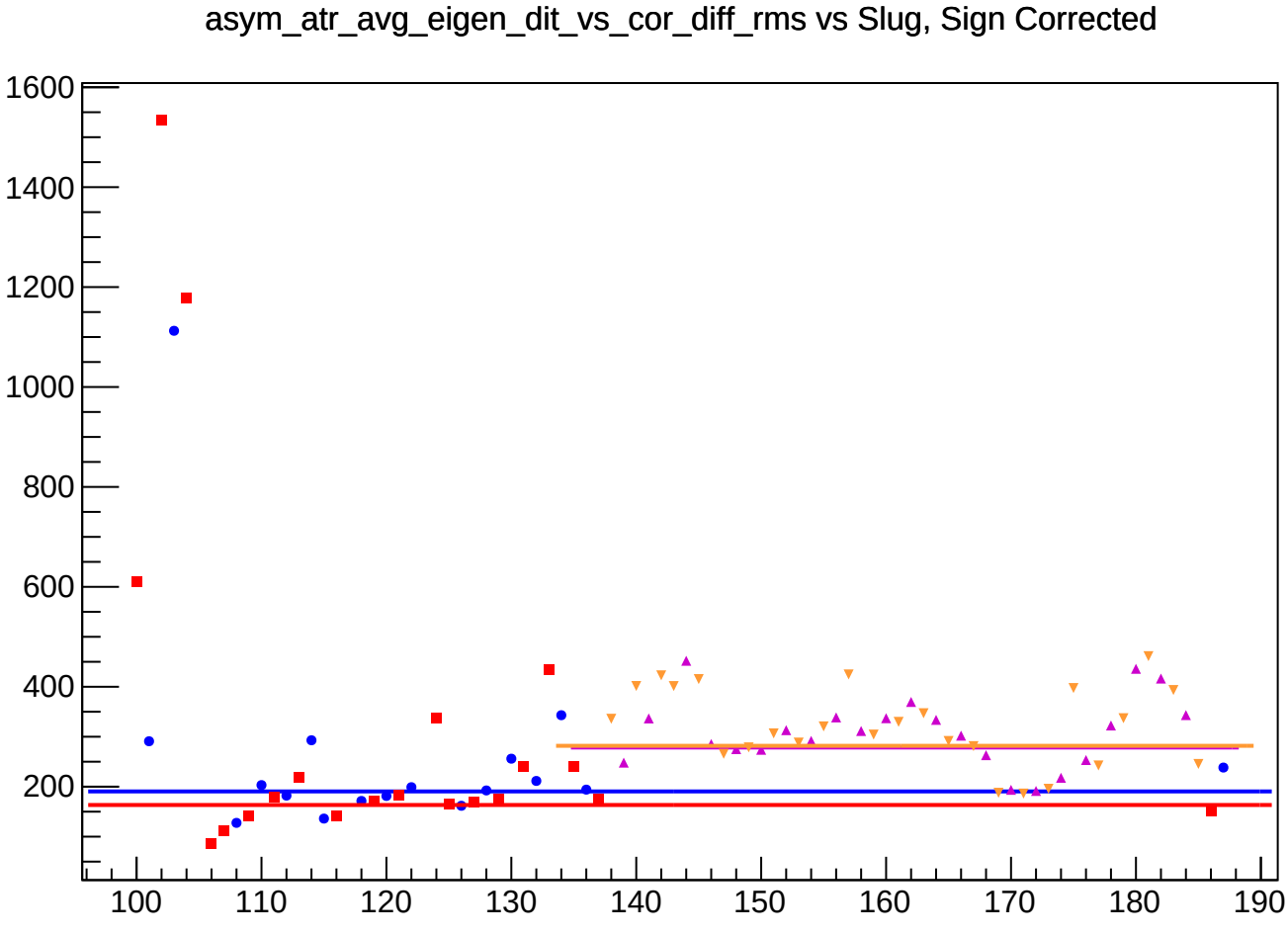
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.038+/-0.050 χ^2/NDF: 55.6/36

In: -0.102+/-0.051 χ^2/NDF:46.1/39

Out: 0.010+/-0.048 χ^2/NDF:65.1/44

All: -0.042+/-0.035 χ^2/NDF: 113.7/84



Right In: 190.525+/-0.054 χ^2/NDF: 1480282.6/16

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 163.357+/-0.048 χ^2/NDF: 2648231.9/19

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

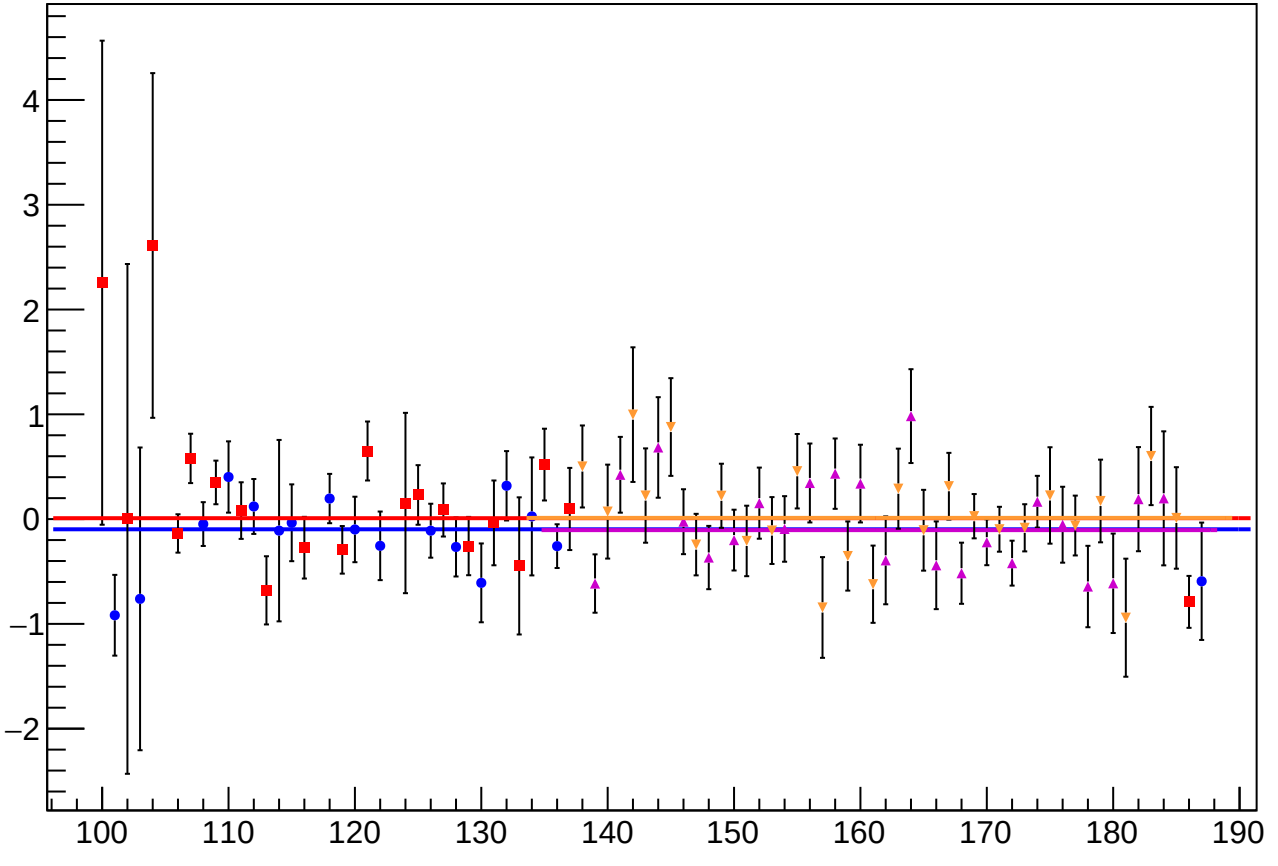
Right: 175.302+/-0.036 χ^2/NDF: 4271503.0/36

In: 238.988+/-0.036 χ^2/NDF:4752624.5/39

Out: 222.001+/-0.034 χ^2/NDF:8229933.3/44

All: 229.969+/-0.025 χ^2/NDF: 13100653.7/84

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.009+/-0.067 χ^2/NDF: 39.9/19

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

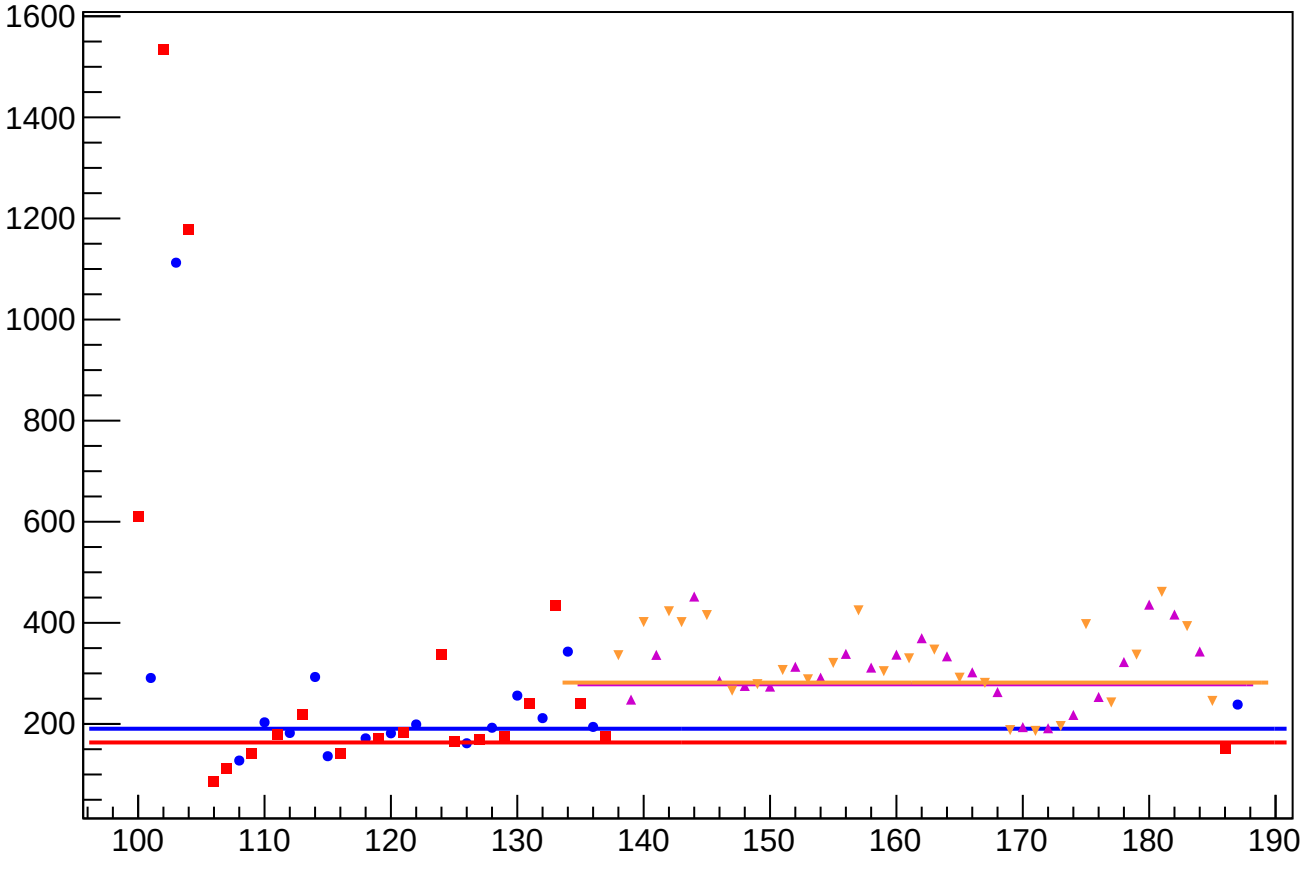
Right: -0.038+/-0.050 χ^2/NDF: 55.6/36

In: -0.102+/-0.051 χ^2/NDF:46.1/39

Out: 0.010+/-0.048 χ^2/NDF:65.1/44

All: -0.042+/-0.035 χ^2/NDF: 113.7/84

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 190.525+/-0.054 χ^2/NDF: 1480282.6/16

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 163.357+/-0.048 χ^2/NDF: 2648231.9/19

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

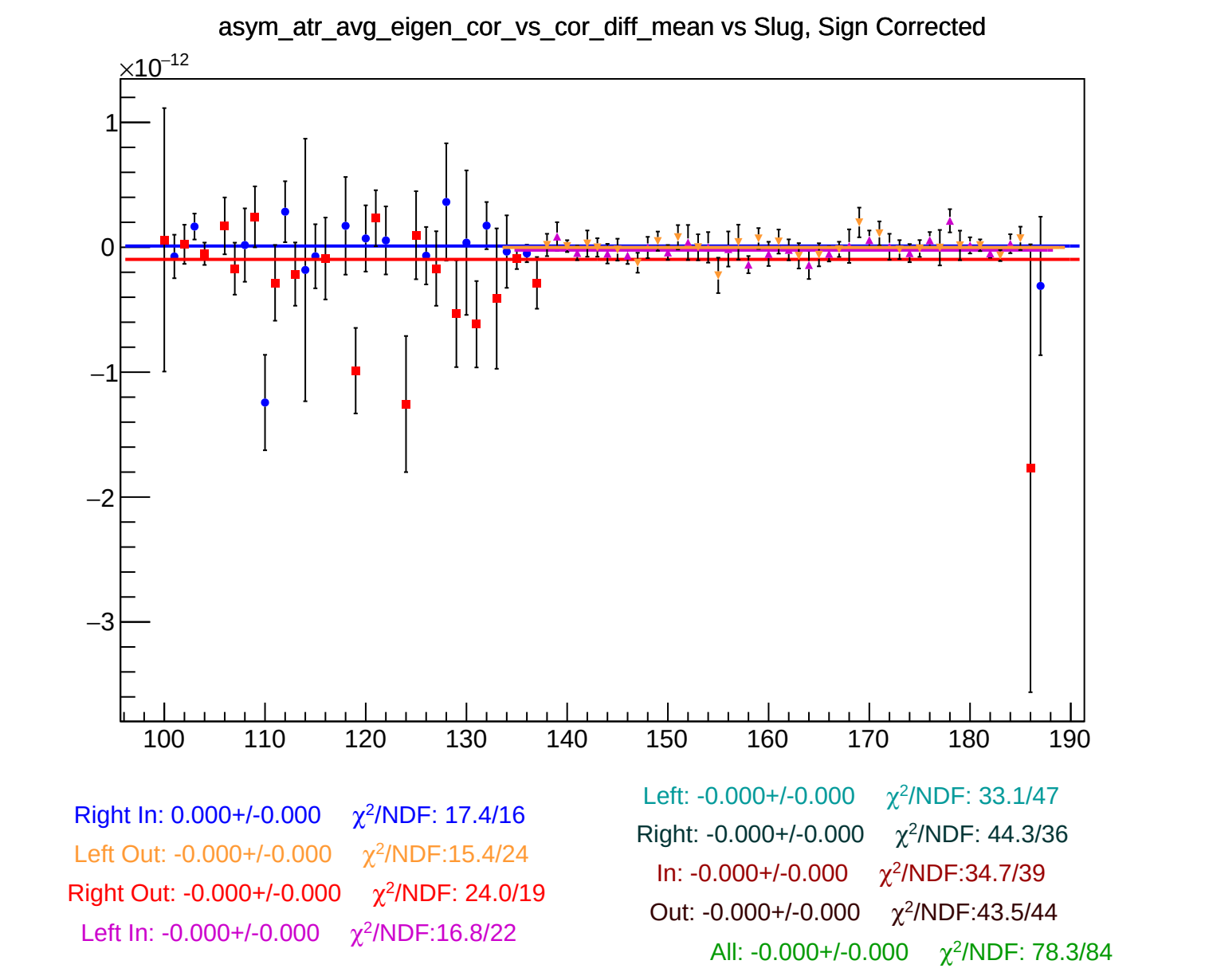
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

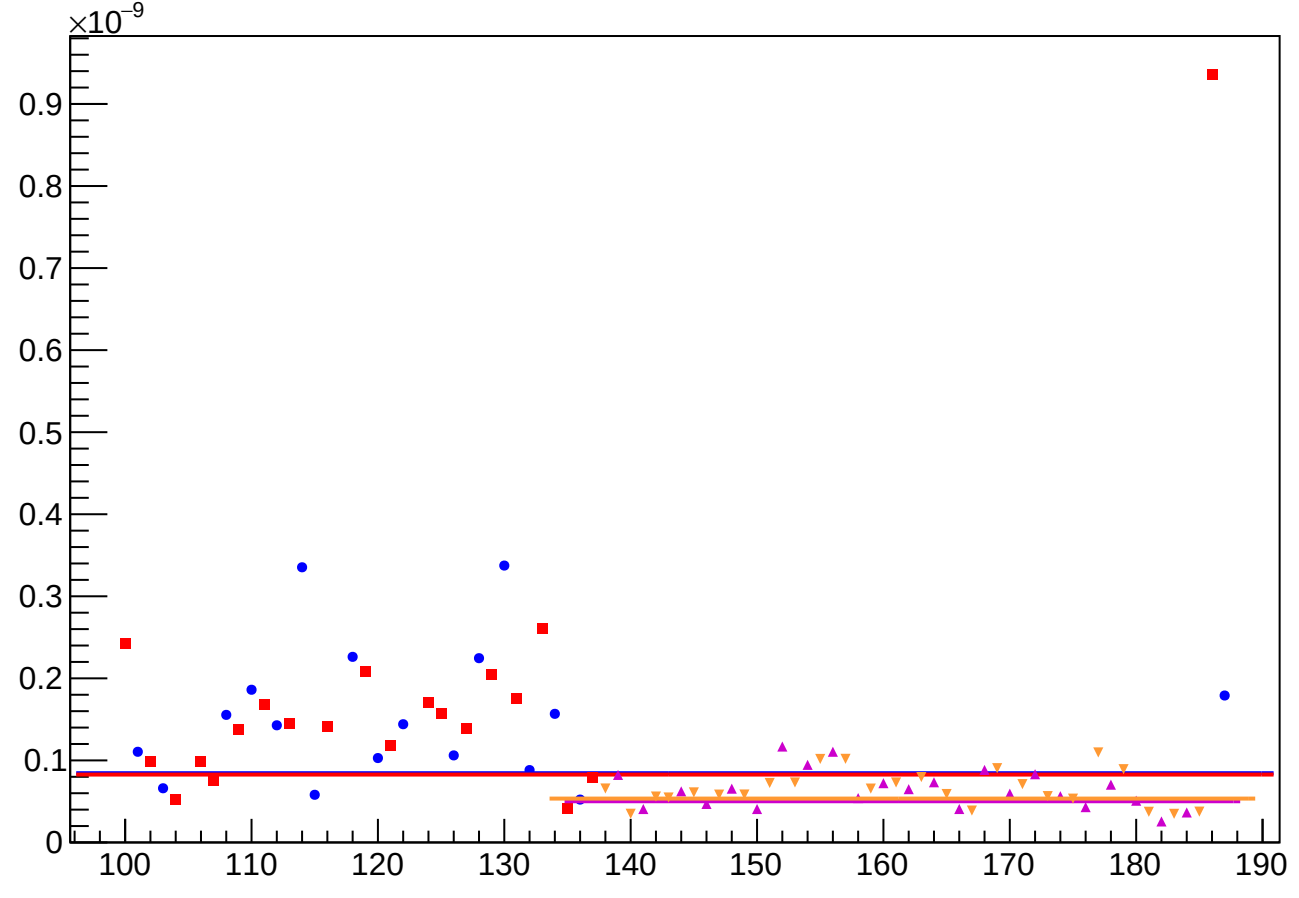
Right: 175.302+/-0.036 χ^2/NDF: 4271503.0/36

In: 238.988+/-0.036 χ^2/NDF:4752624.5/39

Out: 222.001+/-0.034 χ^2/NDF:8229933.3/44

All: 229.969+/-0.025 χ^2/NDF: 13100653.7/84


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.4/16
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/19
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 44.3/36
In: -0.000+/-0.000 χ²/NDF:34.7/39
Out: -0.000+/-0.000 χ²/NDF:43.5/44
All: -0.000+/-0.000 χ²/NDF: 78.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 2167780.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2725010.2/19

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

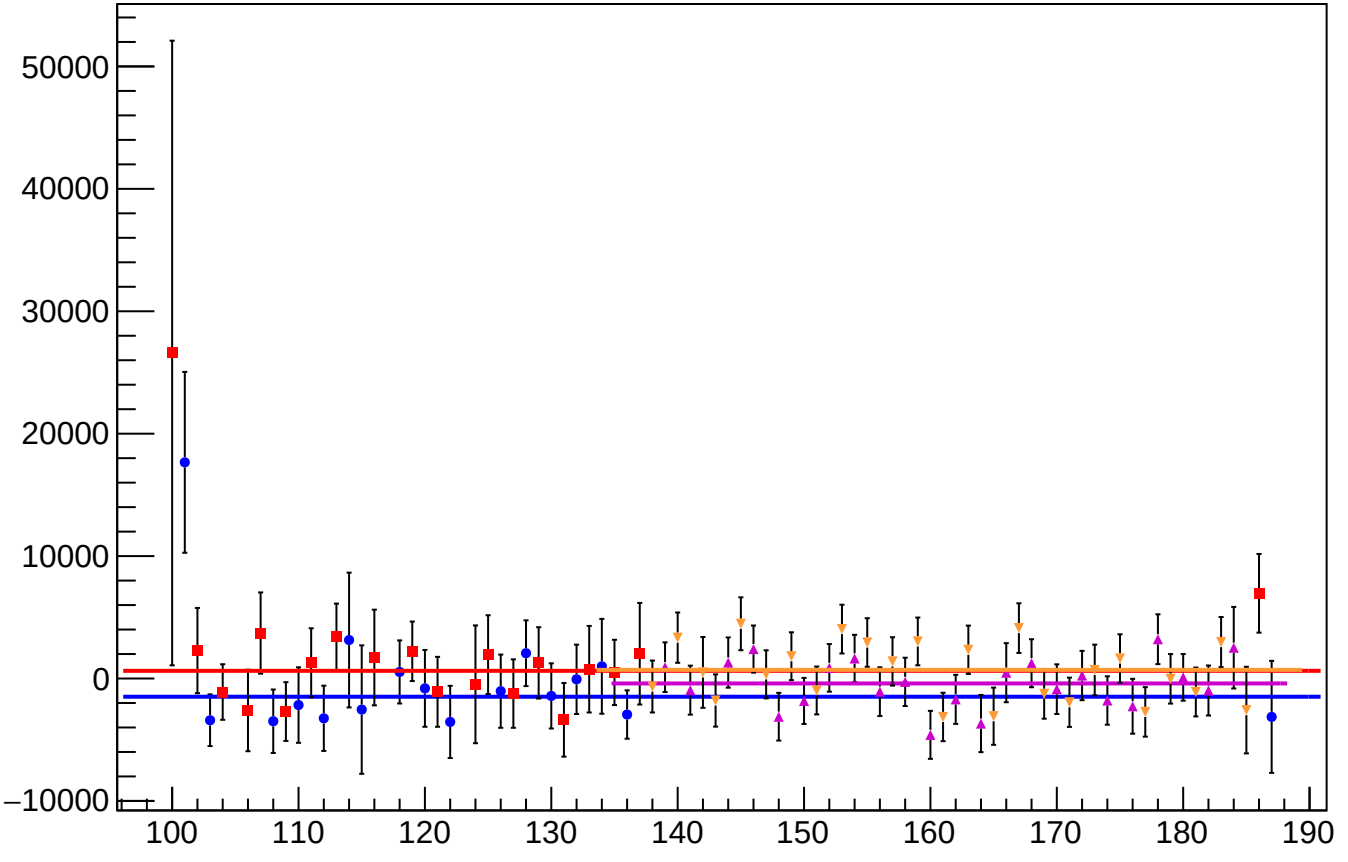
Right: 0.000+/-0.000 χ^2/NDF: 4894142.0/36

In: 0.000+/-0.000 χ^2/NDF:6551822.2/39

Out: 0.000+/-0.000 χ^2/NDF:6270042.3/44

All: 0.000+/-0.000 χ^2/NDF: 12861704.2/84

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1487.685+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 628.796+/-686.423 χ^2/NDF: 14.0/19

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

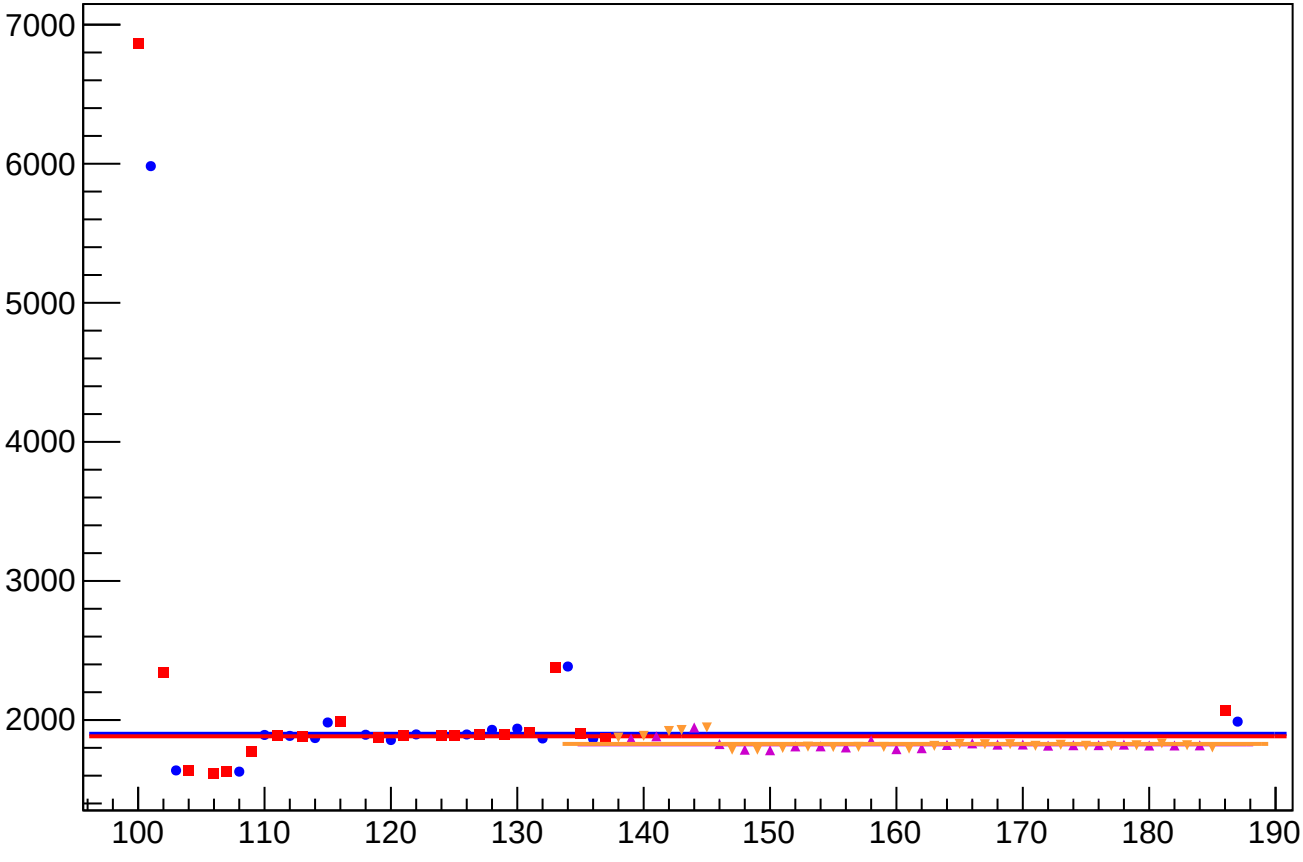
Right: -387.378+/-494.928 χ^2/NDF: 32.2/36

In: -687.914+/-366.006 χ^2/NDF:36.1/39

Out: 685.118+/-355.380 χ^2/NDF:46.0/44

All: 18.824+/-254.965 χ^2/NDF: 89.3/84

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.7/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1882.983+/-0.484 χ^2/NDF: 214514.0/19

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

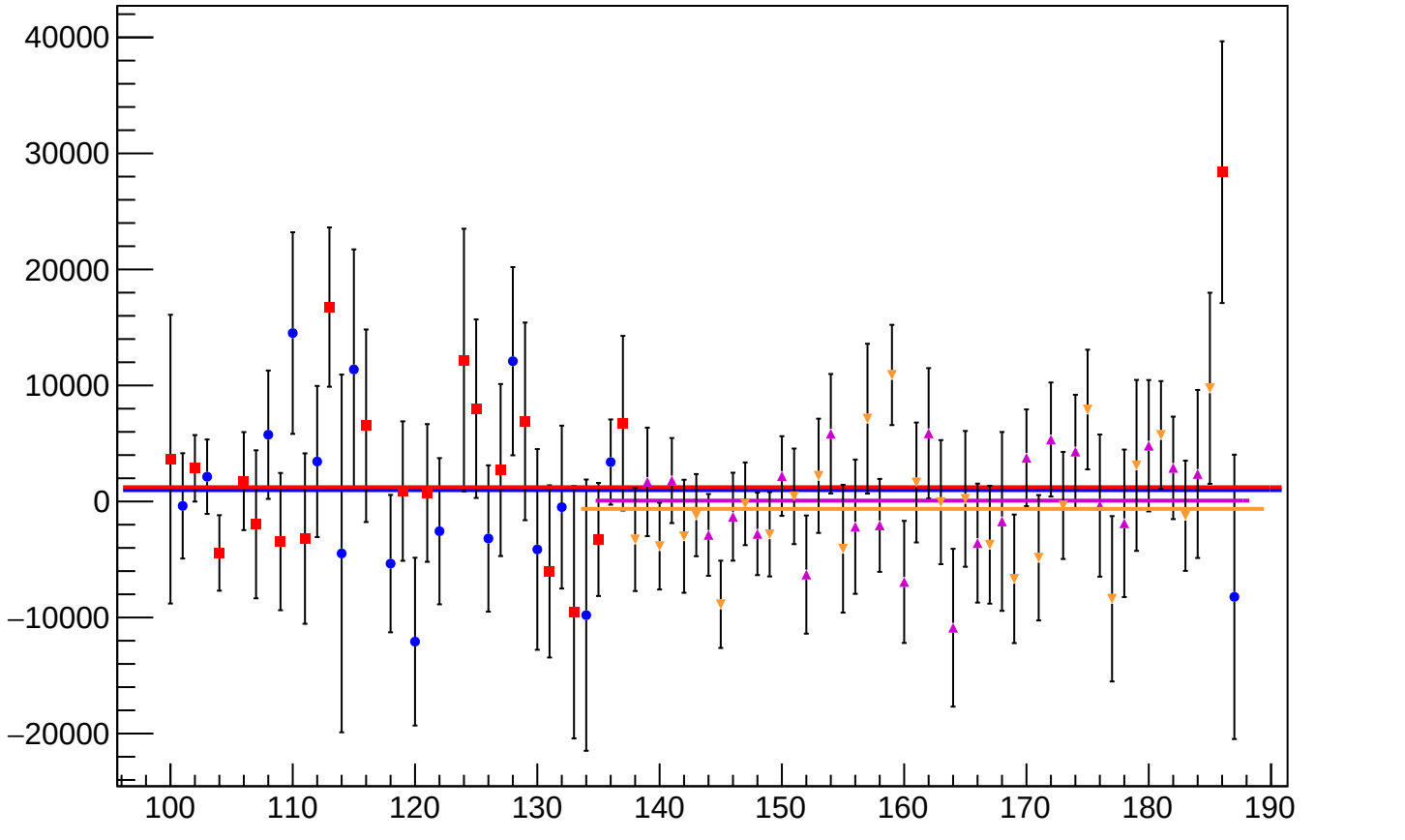
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1891.610+/-0.349 χ^2/NDF: 913443.2/36

In: 1845.080+/-0.259 χ^2/NDF:728255.6/39

Out: 1842.985+/-0.251 χ^2/NDF:243197.1/44

All: 1844.001+/-0.180 χ^2/NDF: 971486.4/84



Right In: 978.673+/-1468.605 χ^2/NDF: 13.9/16

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1231.717+/-1298.531 χ^2/NDF: 21.5/19

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

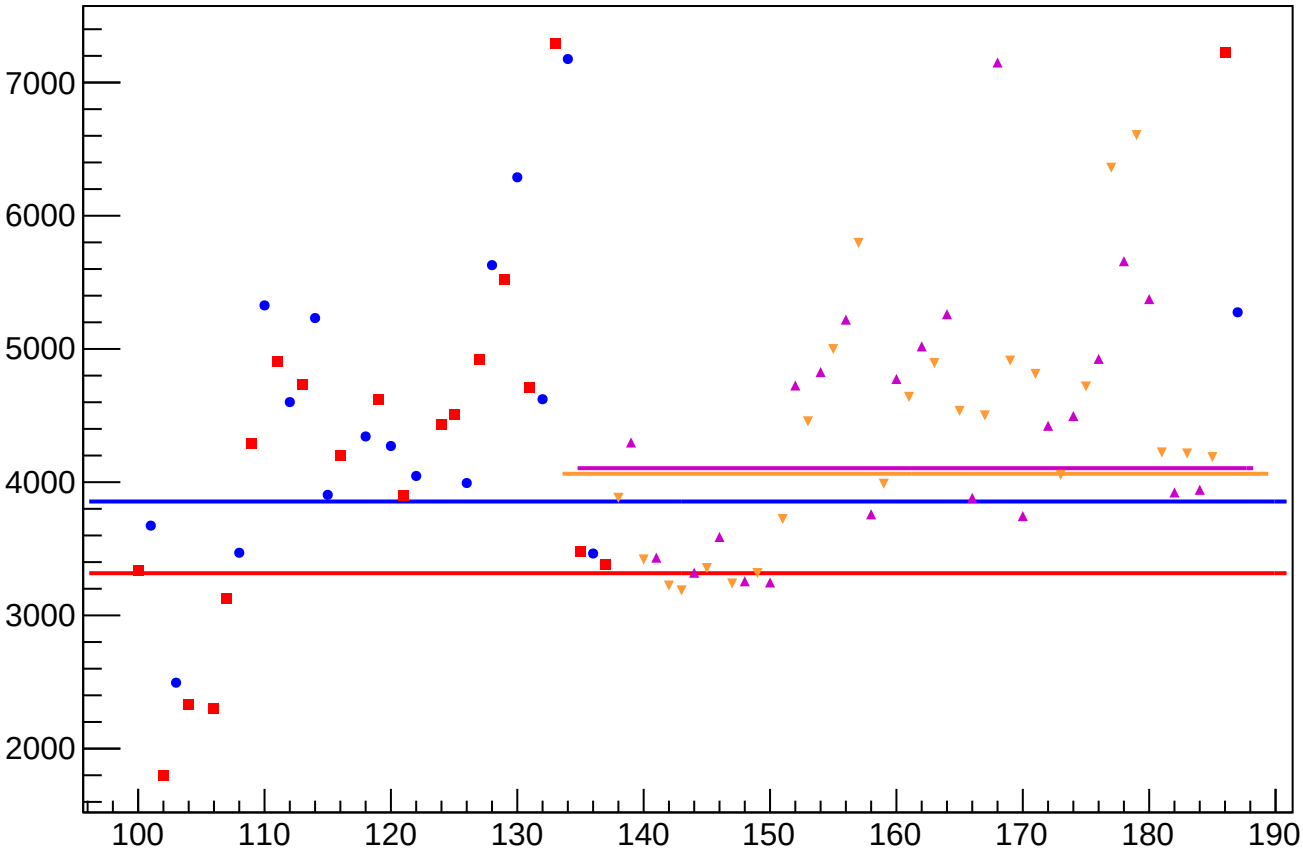
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1120.689+/-972.799 χ^2/NDF: 35.5/36

In: 354.043+/-815.311 χ^2/NDF:29.7/39

Out: 11.236+/-765.069 χ^2/NDF:48.8/44

All: 171.752+/-557.902 χ^2/NDF: 78.6/84



Right In: 3854.858+/-1.038 χ^2/NDF: 984031.6/16

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3316.659+/-0.918 χ^2/NDF: 2108065.5/19

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

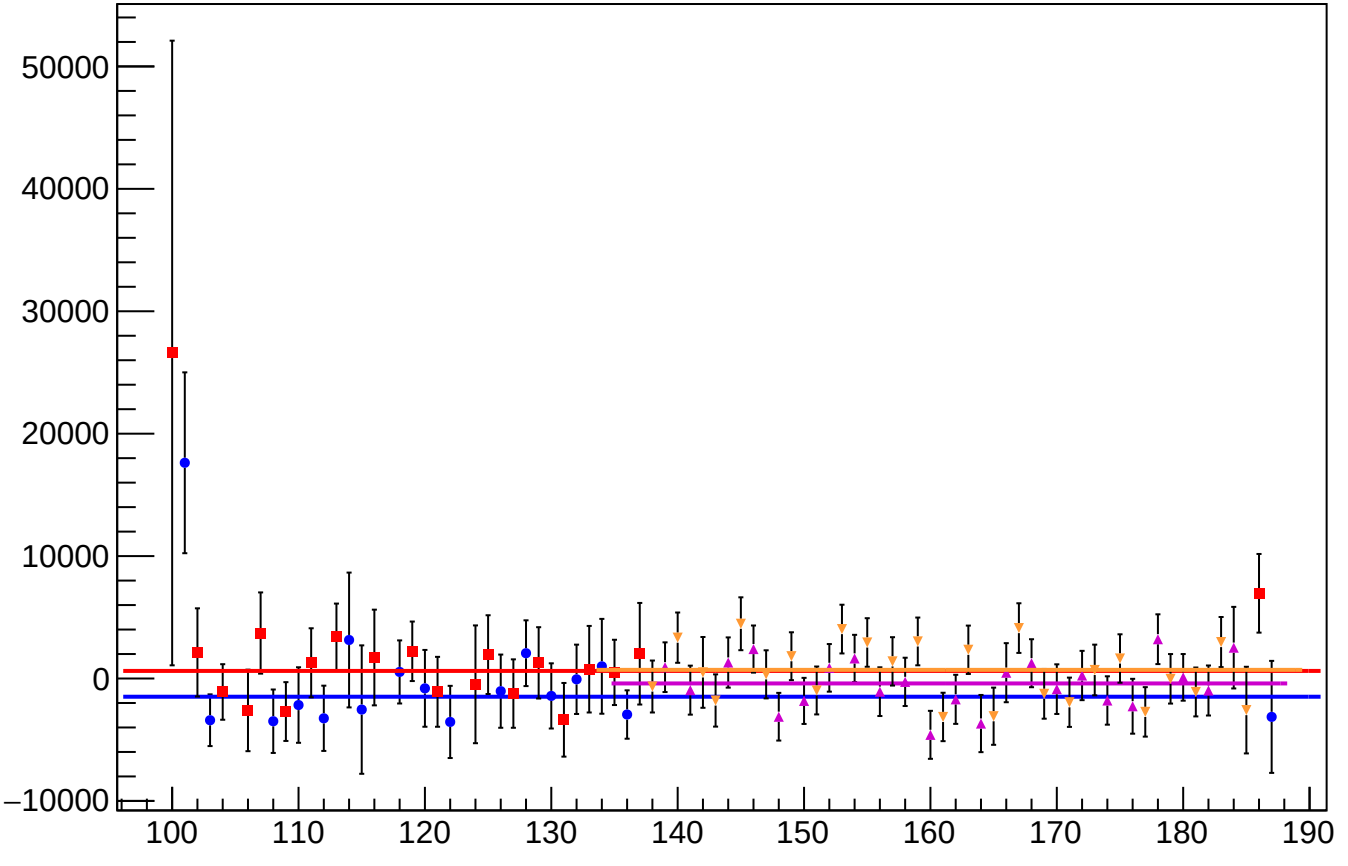
Right: 3552.804+/-0.688 χ^2/NDF: 3242843.3/36

In: 4027.945+/-0.577 χ^2/NDF:2383682.7/39

Out: 3803.991+/-0.541 χ^2/NDF:3944570.8/44

All: 3908.855+/-0.394 χ^2/NDF: 6408498.6/84

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1488.067+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 619.595+/-687.306 χ^2/NDF: 14.0/19

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

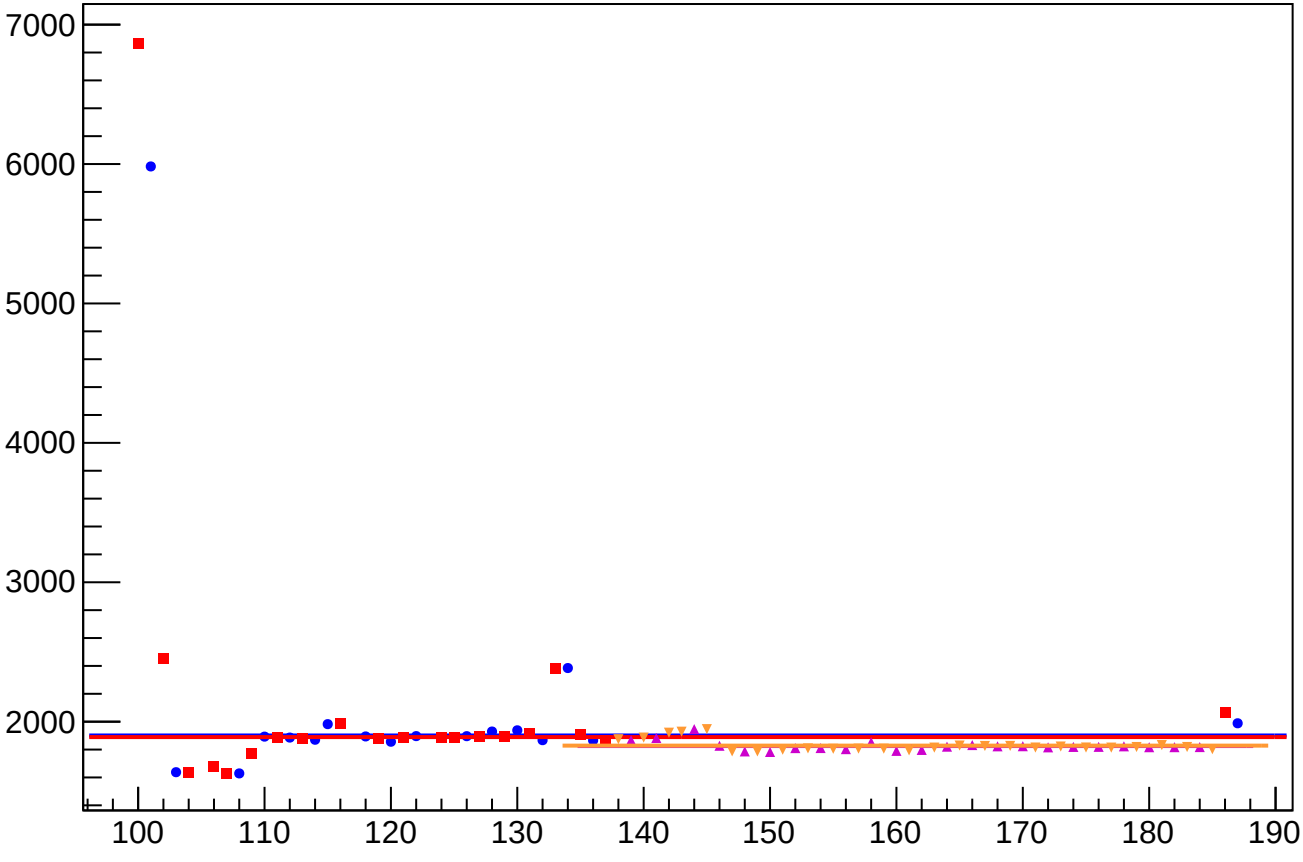
Right: -393.697+/-495.258 χ^2/NDF: 32.1/36

In: -687.893+/-366.006 χ^2/NDF:36.1/39

Out: 682.738+/-355.502 χ^2/NDF:45.9/44

All: 17.373+/-255.011 χ^2/NDF: 89.2/84

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.8/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1889.483+/-0.485 χ^2/NDF: 222946.0/19

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

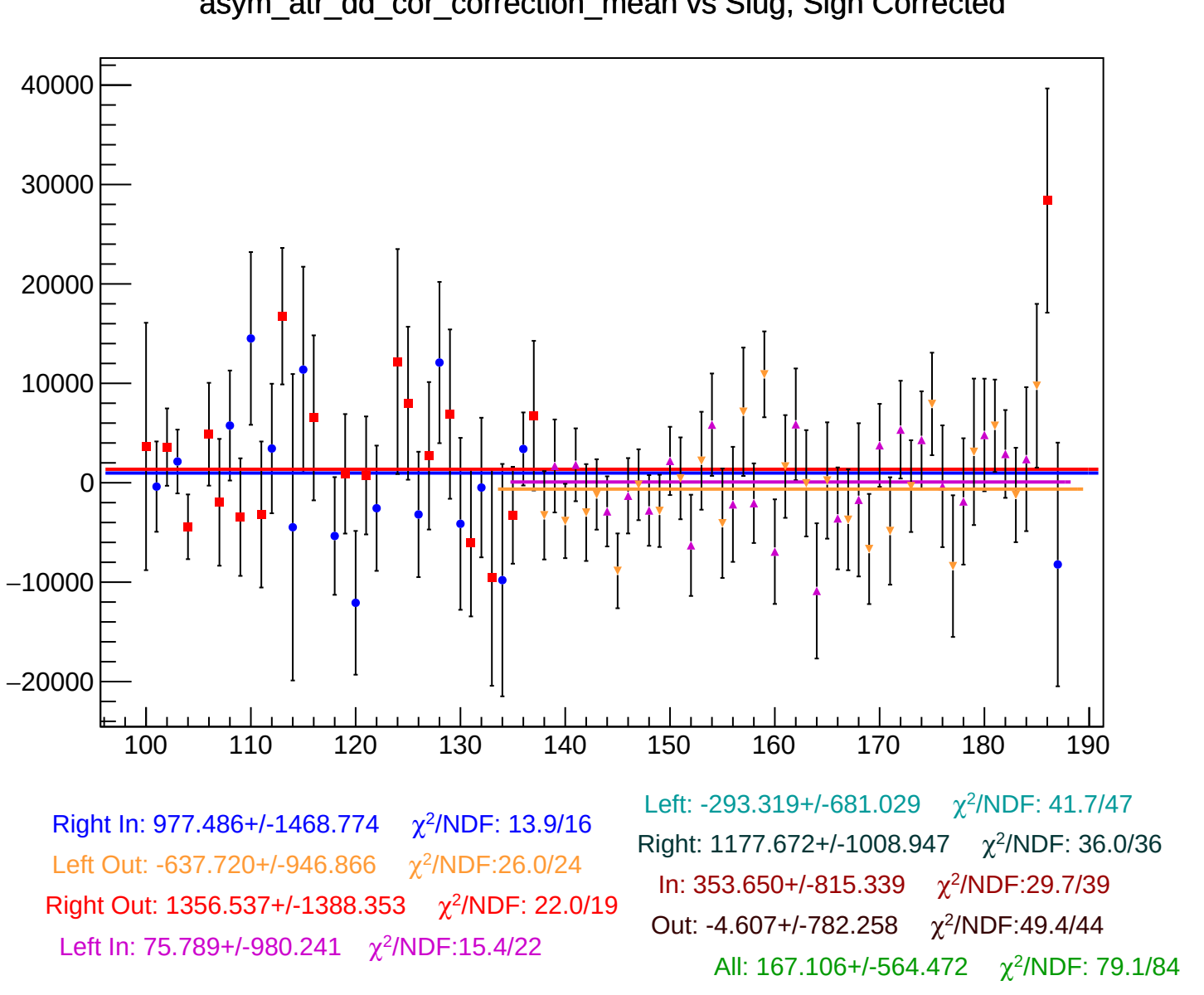
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

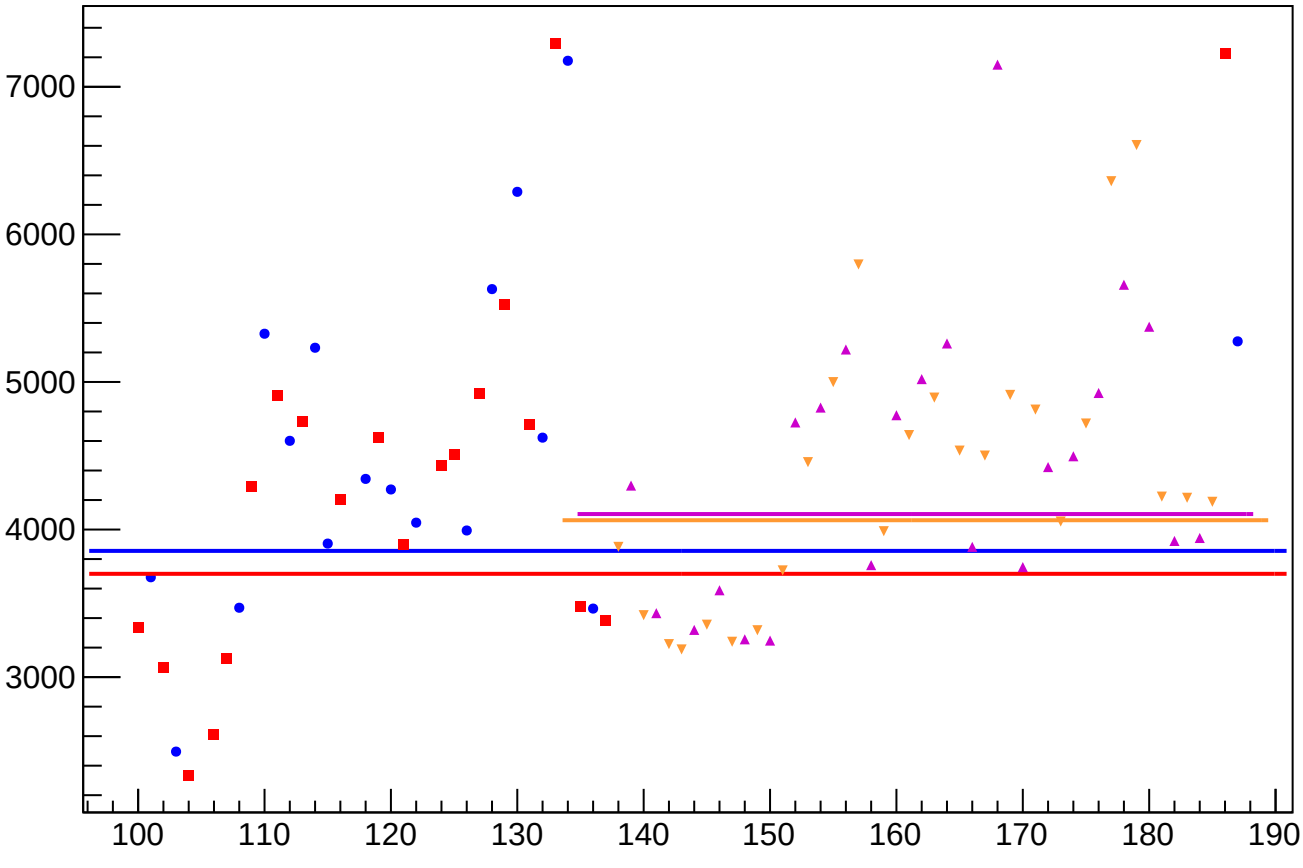
Right: 1895.018+/-0.350 χ^2/NDF: 921481.8/36

In: 1845.080+/-0.259 χ^2/NDF:728255.7/39

Out: 1844.662+/-0.251 χ^2/NDF:253930.7/44

All: 1844.865+/-0.180 χ^2/NDF: 982187.8/84


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 977.486+/-1468.774 χ²/NDF: 13.9/16
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 1356.537+/-1388.353 χ²/NDF: 22.0/19
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1177.672+/-1008.947 χ²/NDF: 36.0/36
In: 353.650+/-815.339 χ²/NDF:29.7/39
Out: -4.607+/-782.258 χ²/NDF:49.4/44
All: 167.106+/-564.472 χ²/NDF: 79.1/84



Right In: 3855.382+/-1.039 χ^2/NDF: 983549.3/16

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3699.978+/-0.982 χ^2/NDF: 1323744.8/19

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

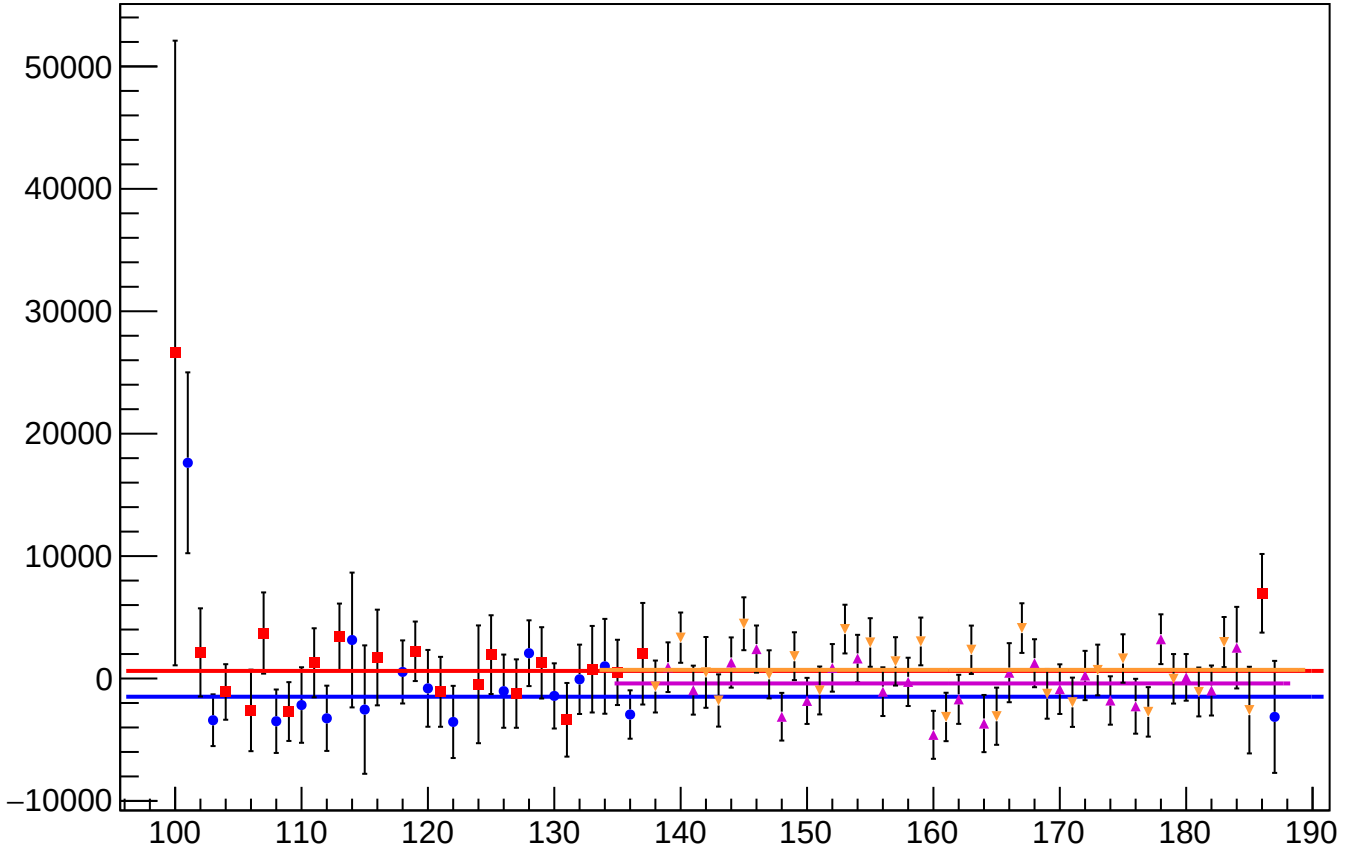
Right: 3773.309+/-0.713 χ^2/NDF: 2319118.5/36

In: 4028.114+/-0.577 χ^2/NDF:2383032.4/39

Out: 3947.824+/-0.553 χ^2/NDF:2822159.2/44

All: 3986.307+/-0.399 χ^2/NDF: 5215290.1/84

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1488.067+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 619.595+/-687.306 χ^2/NDF: 14.0/19

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

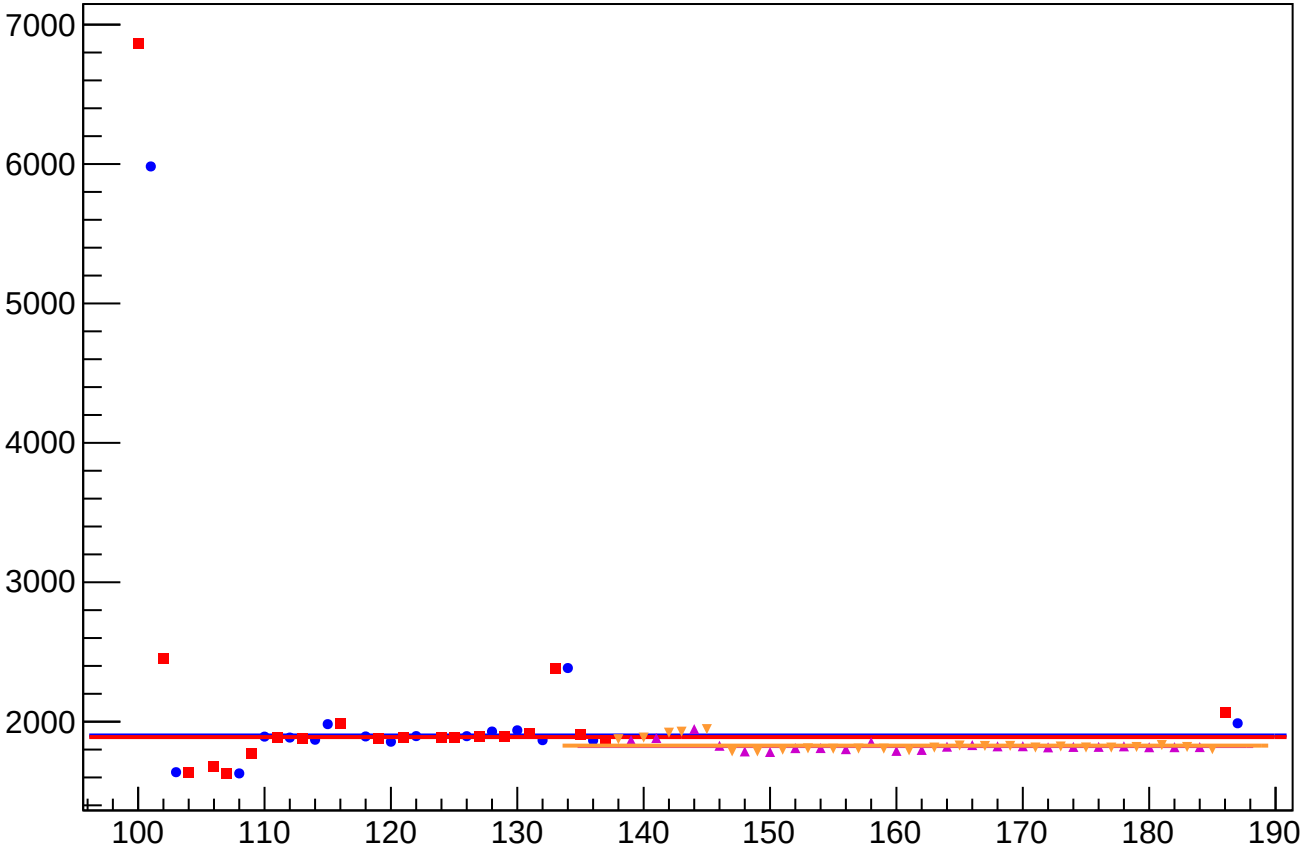
Right: -393.697+/-495.258 χ^2/NDF: 32.1/36

In: -687.893+/-366.006 χ^2/NDF:36.1/39

Out: 682.738+/-355.502 χ^2/NDF:45.9/44

All: 17.373+/-255.011 χ^2/NDF: 89.2/84

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.8/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1889.483+/-0.485 χ^2/NDF: 222946.0/19

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

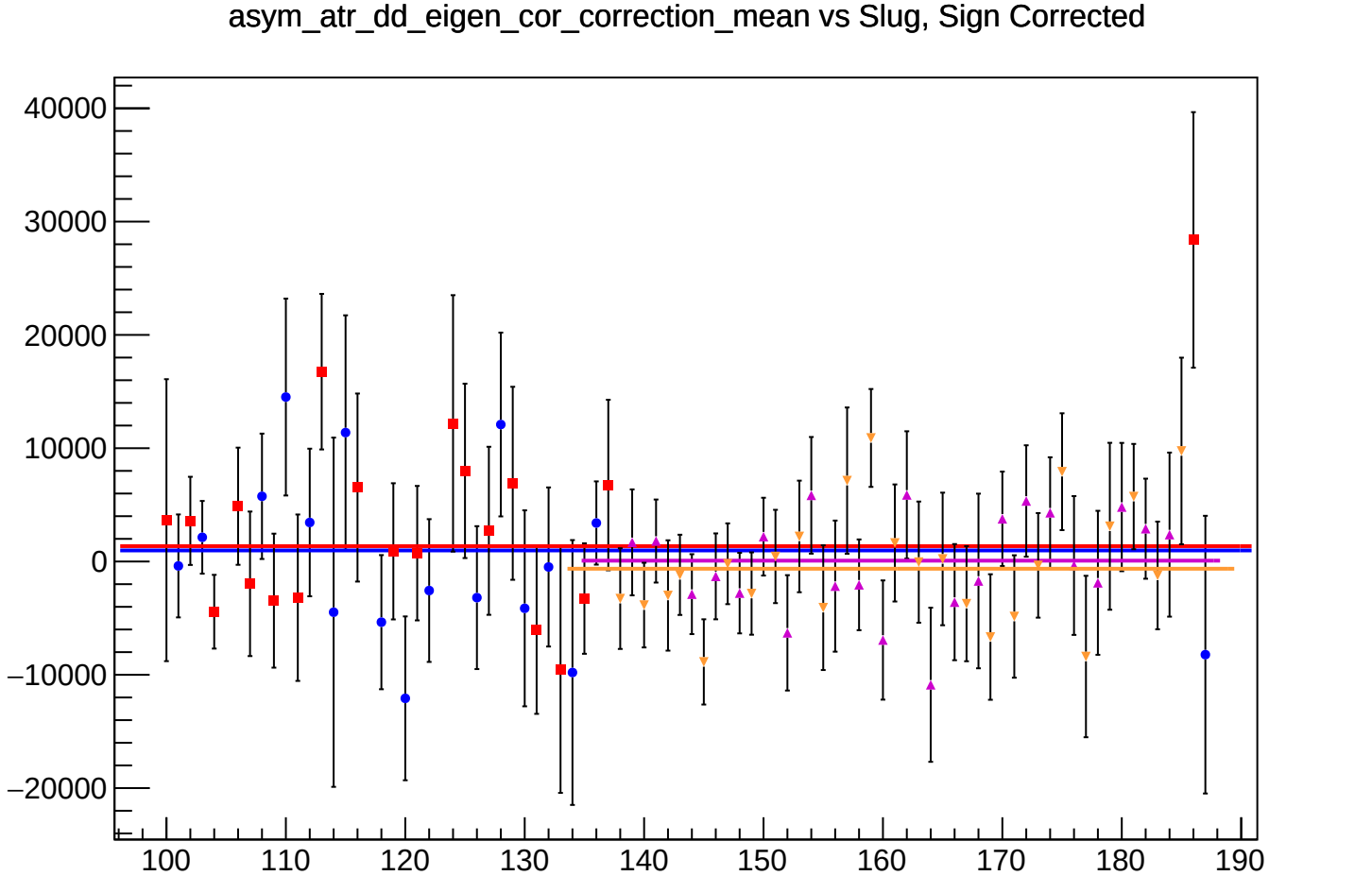
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

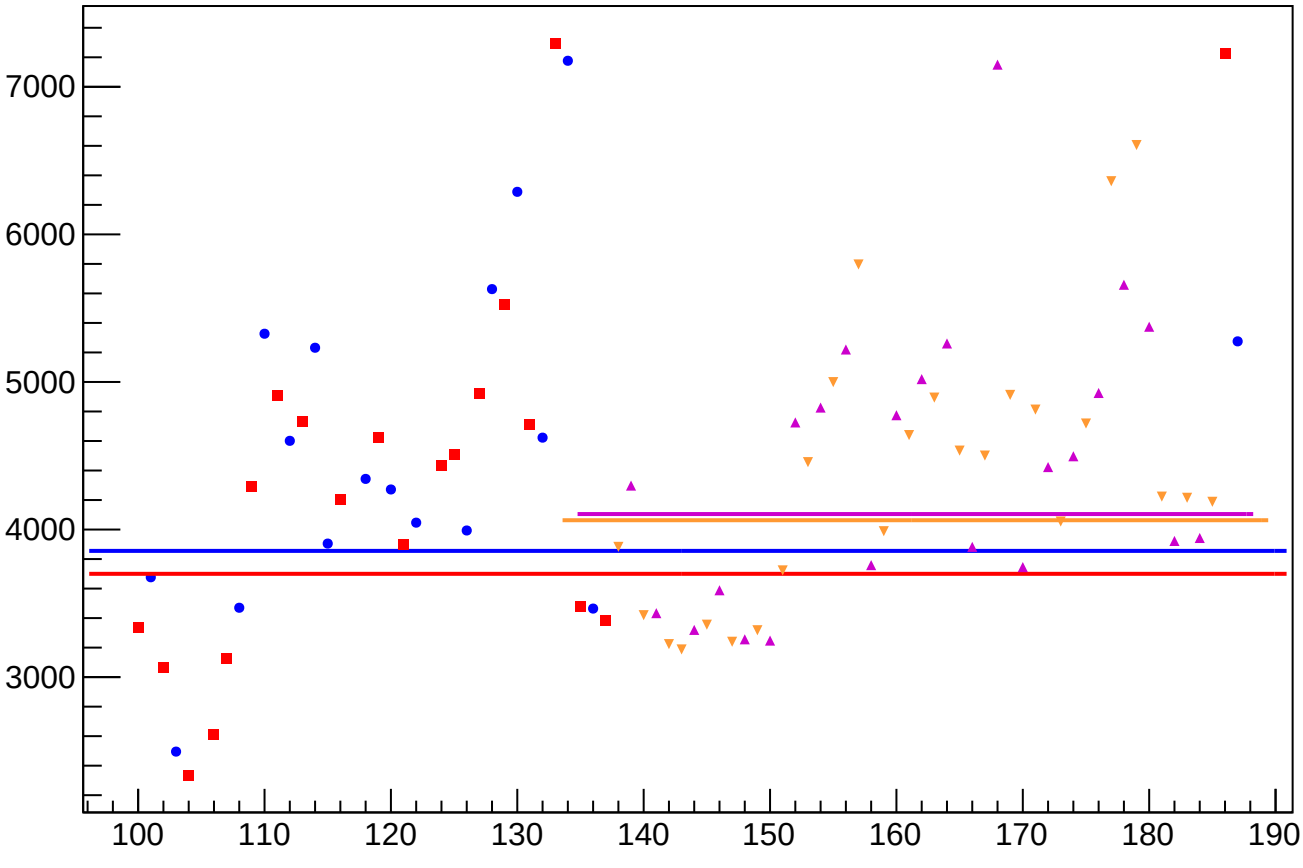
Right: 1895.018+/-0.350 χ^2/NDF: 921481.8/36

In: 1845.080+/-0.259 χ^2/NDF:728255.7/39

Out: 1844.662+/-0.251 χ^2/NDF:253930.7/44

All: 1844.865+/-0.180 χ^2/NDF: 982187.8/84


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 977.486+/-1468.774 χ²/NDF: 13.9/16
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 1356.537+/-1388.353 χ²/NDF: 22.0/19
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1177.672+/-1008.947 χ²/NDF: 36.0/36
In: 353.650+/-815.339 χ²/NDF:29.7/39
Out: -4.607+/-782.258 χ²/NDF:49.4/44
All: 167.106+/-564.472 χ²/NDF: 79.1/84



Right In: 3855.382+/-1.039 χ^2/NDF: 983549.3/16

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3699.978+/-0.982 χ^2/NDF: 1323744.8/19

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

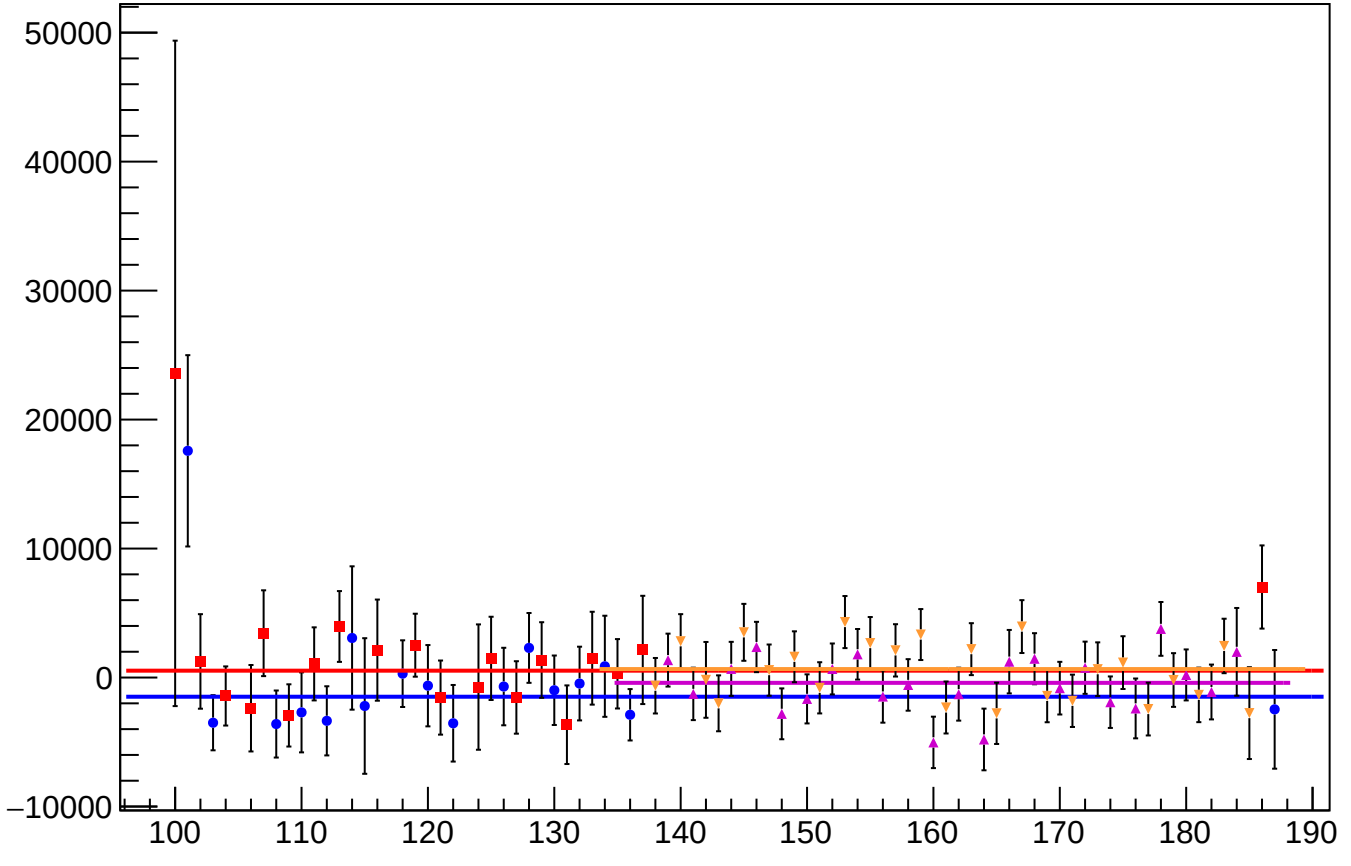
Right: 3773.309+/-0.713 χ^2/NDF: 2319118.5/36

In: 4028.114+/-0.577 χ^2/NDF:2383032.4/39

Out: 3947.824+/-0.553 χ^2/NDF:2822159.2/44

All: 3986.307+/-0.399 χ^2/NDF: 5215290.1/84

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1487.177+/-719.317 χ^2/NDF: 13.6/16

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 533.146+/-692.323 χ^2/NDF: 15.0/19

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

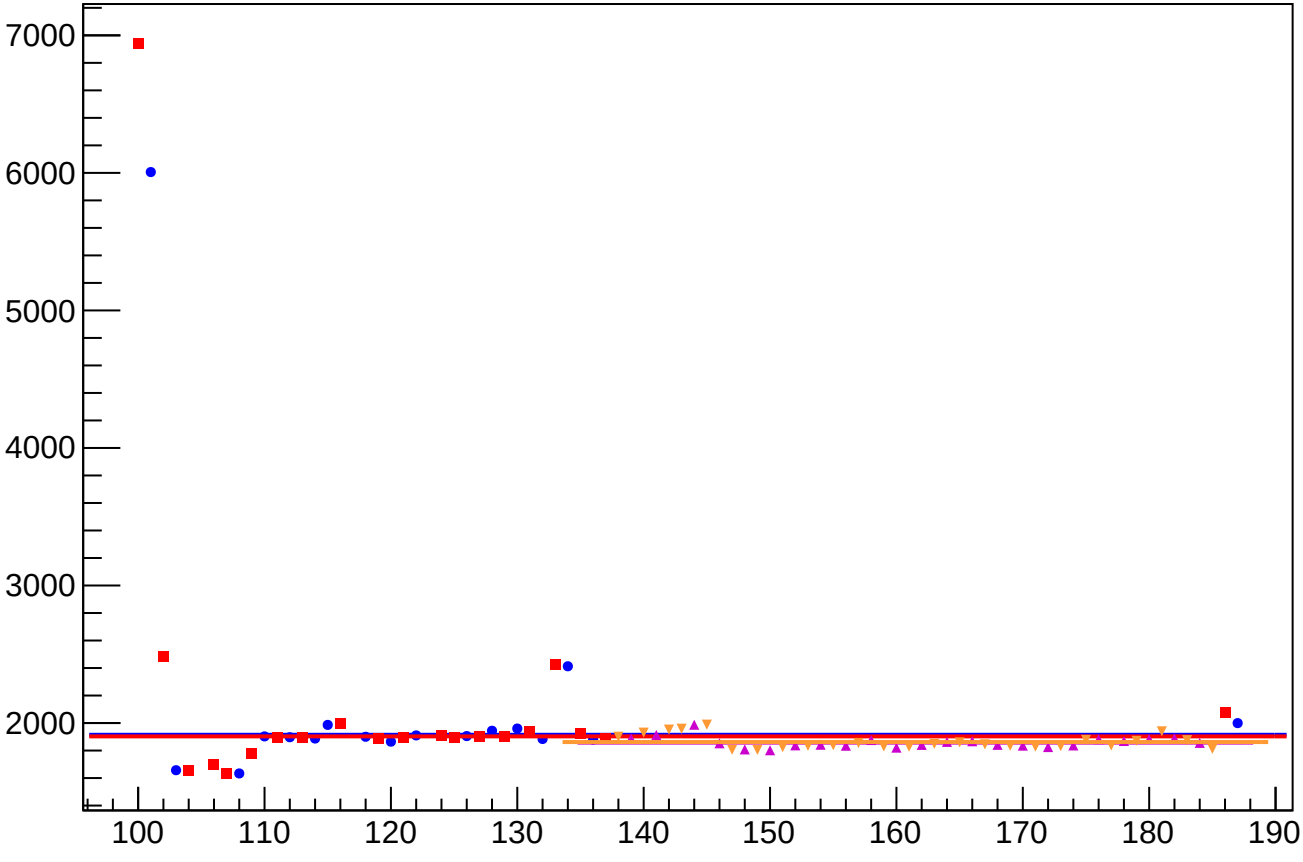
Right: -438.396+/-498.816 χ^2/NDF: 32.7/36

In: -697.973+/-371.511 χ^2/NDF:38.9/39

Out: 623.774+/-360.997 χ^2/NDF:42.1/44

All: -18.132+/-258.901 χ^2/NDF: 87.5/84

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.506+/-0.509 χ^2/NDF: 696918.8/16

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1903.033+/-0.489 χ^2/NDF: 225709.1/19

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

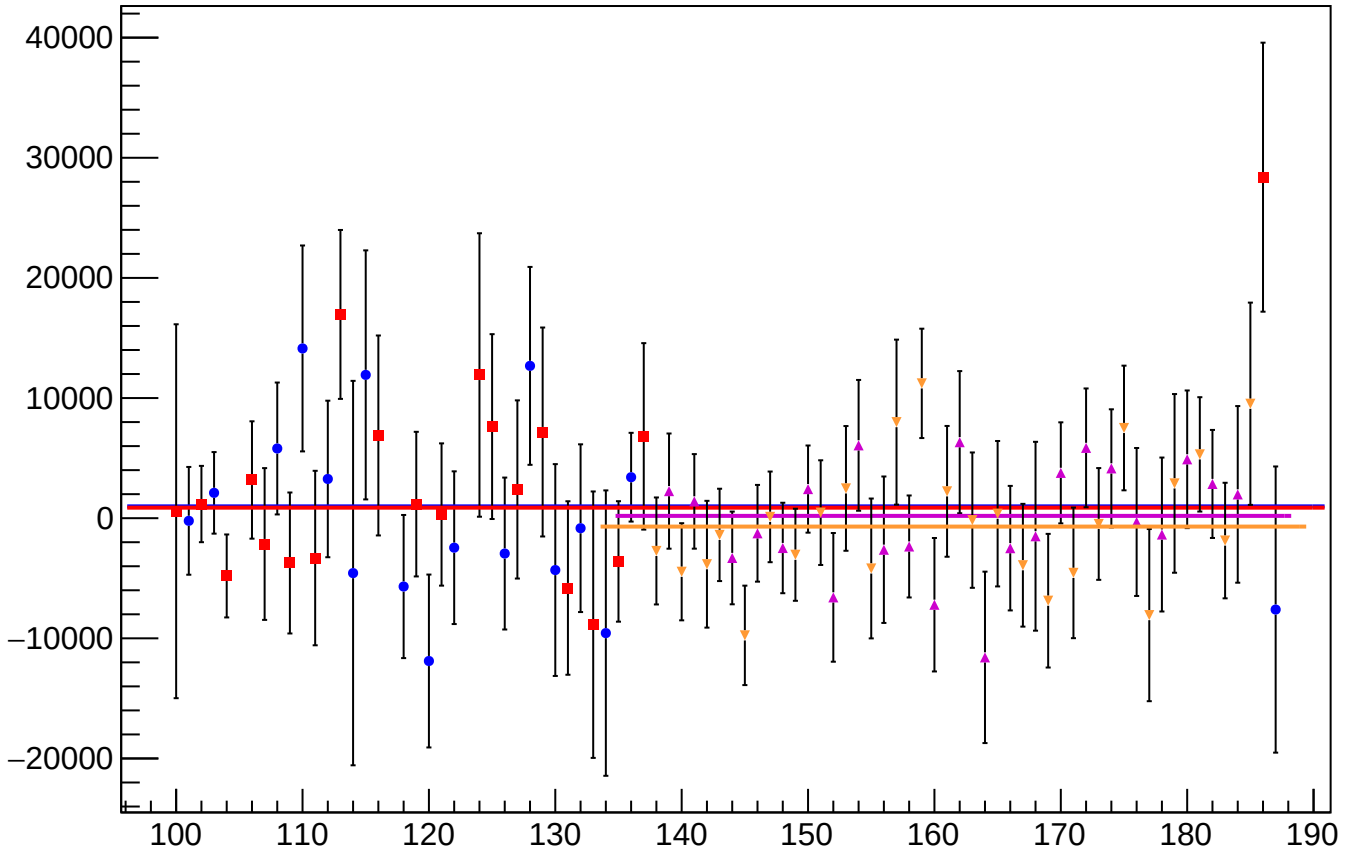
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1908.545+/-0.353 χ^2/NDF: 922892.4/36

In: 1872.824+/-0.263 χ^2/NDF:722458.7/39

Out: 1872.977+/-0.255 χ^2/NDF:256914.4/44

All: 1872.903+/-0.183 χ^2/NDF: 979373.3/84



Right In: 984.358+/-1485.968 χ^2/NDF: 14.0/16

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 876.726+/-1360.657 χ^2/NDF: 21.1/19

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

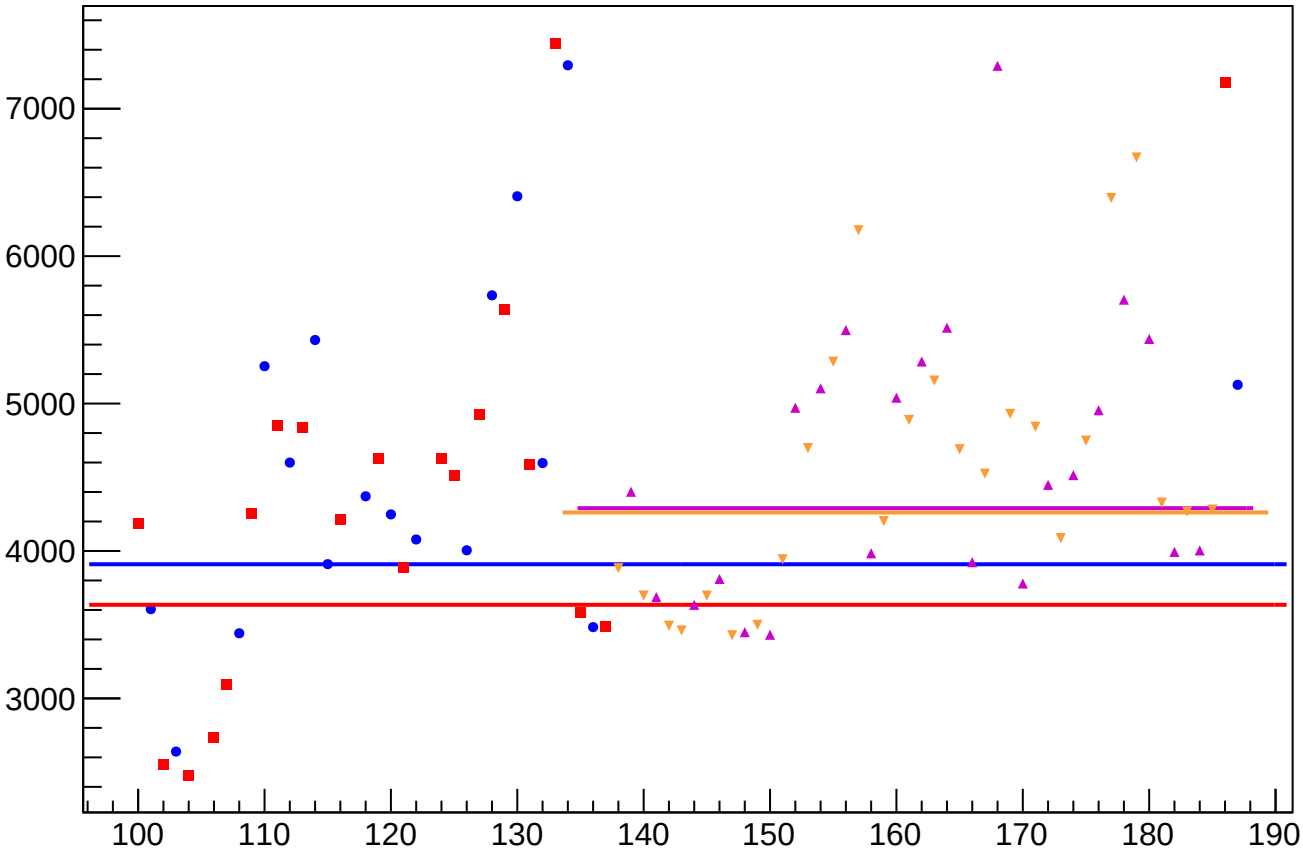
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 925.813+/-1003.512 χ^2/NDF: 35.1/36

In: 446.933+/-842.328 χ^2/NDF:29.3/39

Out: -153.082+/-800.546 χ^2/NDF:47.3/44

All: 131.676+/-580.281 χ^2/NDF: 77.0/84



Right In: 3909.956+/-1.051 χ^2/NDF: 899639.8/16

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 3634.853+/-0.962 χ^2/NDF: 1424839.1/19

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

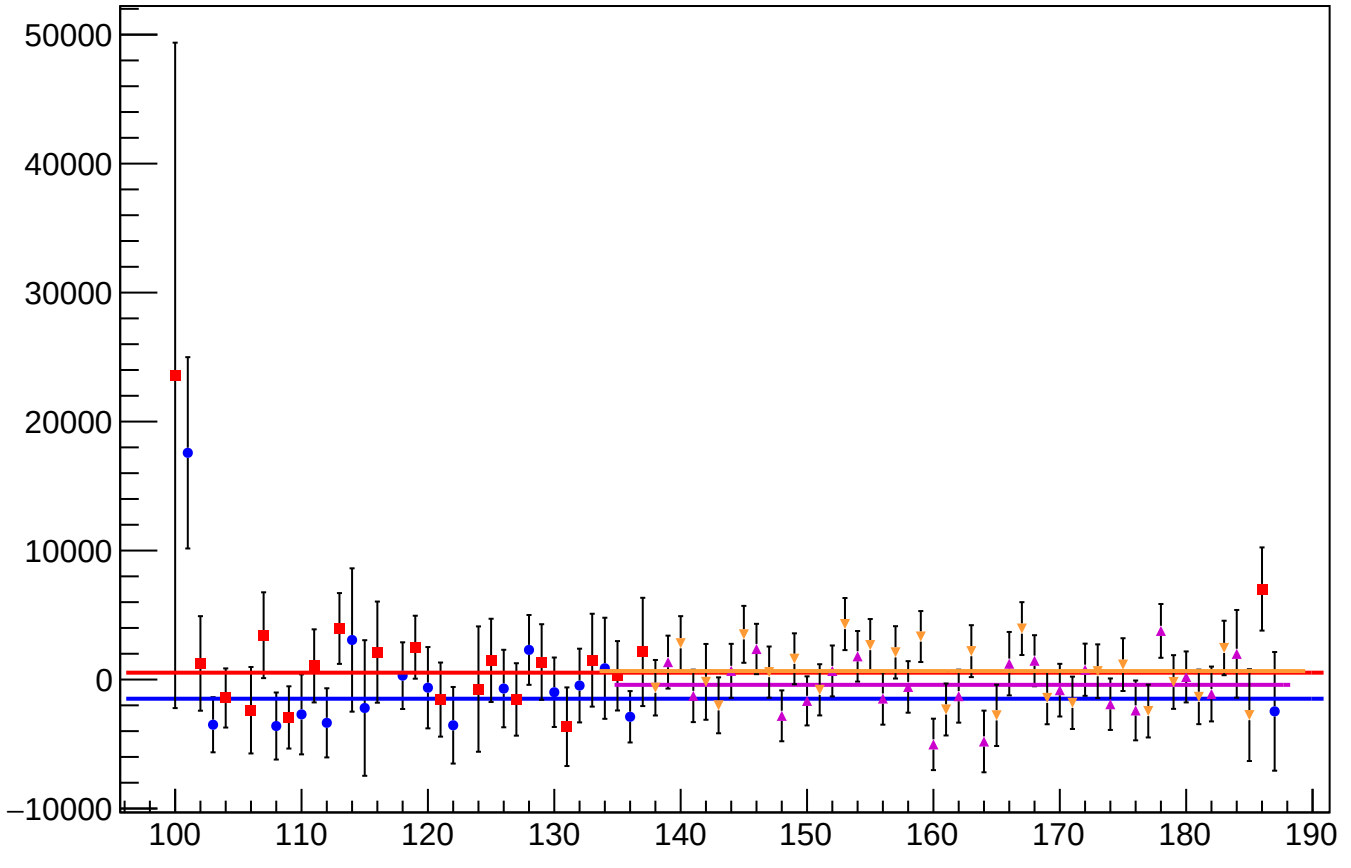
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 3760.318+/-0.710 χ^2/NDF: 2361765.1/36

In: 4168.153+/-0.596 χ^2/NDF:2202575.9/39

Out: 4044.335+/-0.566 χ^2/NDF:2892431.7/44

All: 4103.097+/-0.410 χ^2/NDF: 5117713.3/84



Right In: -1487.183+/-719.317 χ^2/NDF: 13.6/16

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 533.135+/-692.323 χ^2/NDF: 15.0/19

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

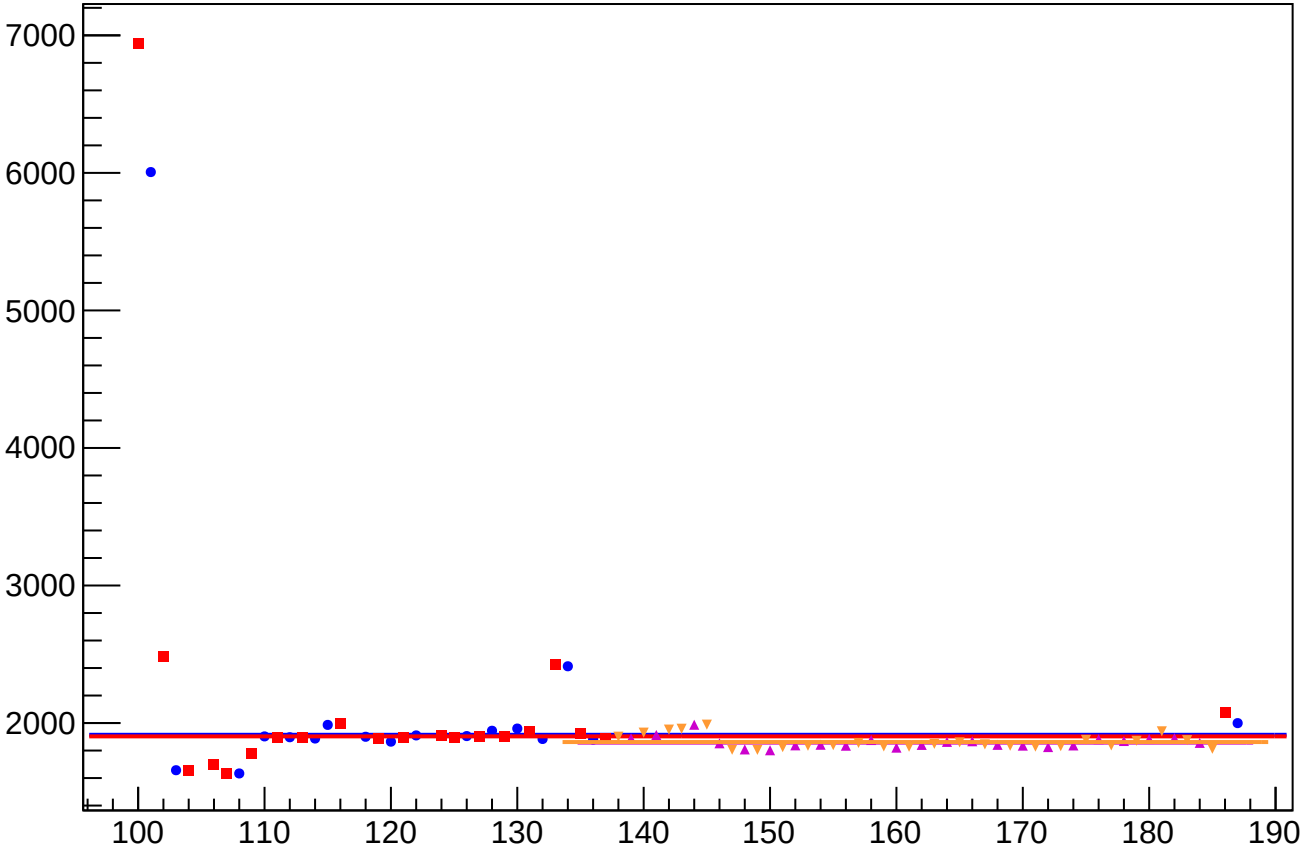
Right: -438.404+/-498.816 χ^2/NDF: 32.7/36

In: -697.975+/-371.511 χ^2/NDF:38.9/39

Out: 623.775+/-360.997 χ^2/NDF:42.1/44

All: -18.132+/-258.901 χ^2/NDF: 87.5/84

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.506+/-0.509 χ^2/NDF: 696918.7/16

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1903.033+/-0.489 χ^2/NDF: 225709.2/19

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

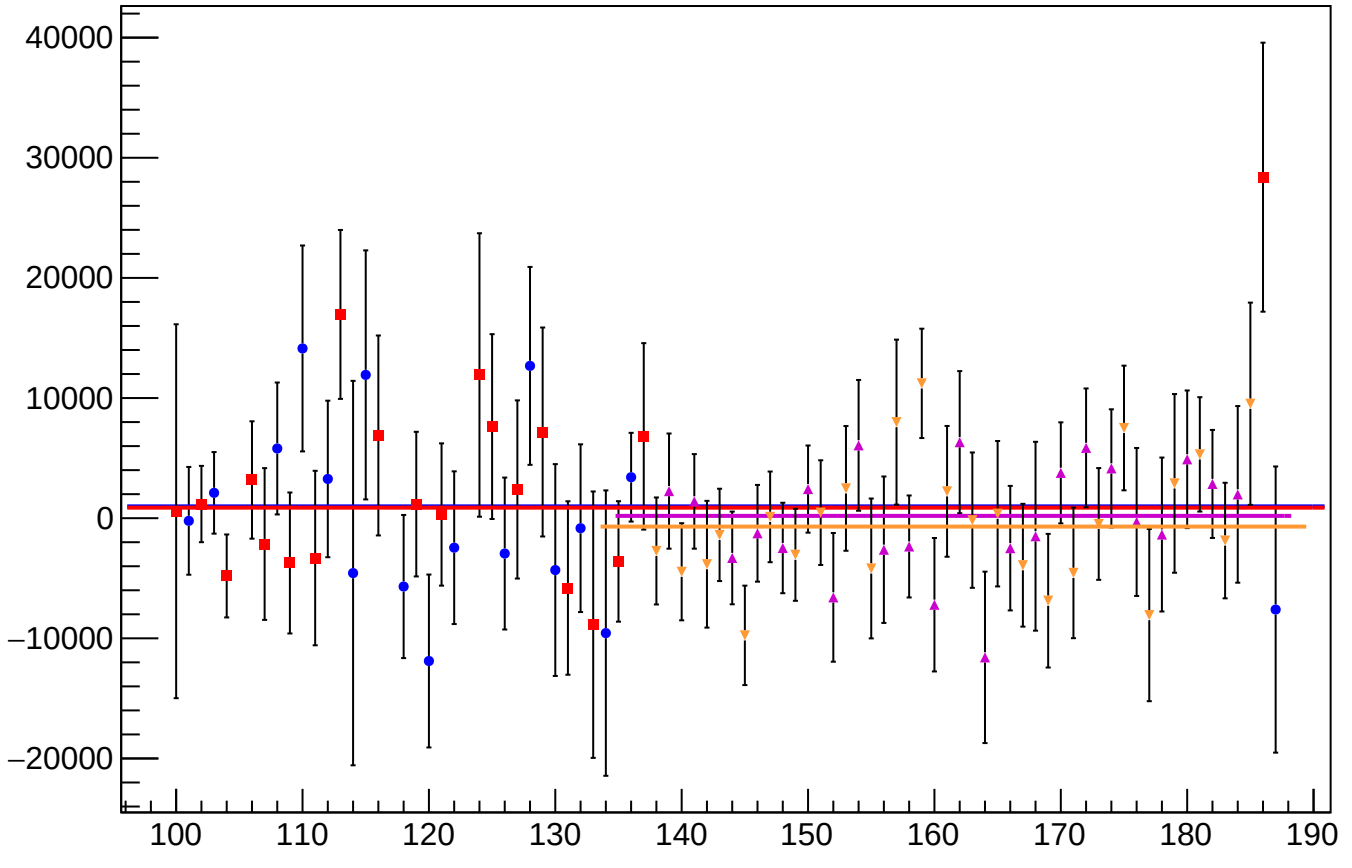
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1908.545+/-0.353 χ^2/NDF: 922892.3/36

In: 1872.825+/-0.263 χ^2/NDF:722458.2/39

Out: 1872.977+/-0.255 χ^2/NDF:256914.3/44

All: 1872.903+/-0.183 χ^2/NDF: 979372.7/84



Right In: 984.345+/-1485.967 χ^2/NDF: 14.0/16

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 876.726+/-1360.656 χ^2/NDF: 21.1/19

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

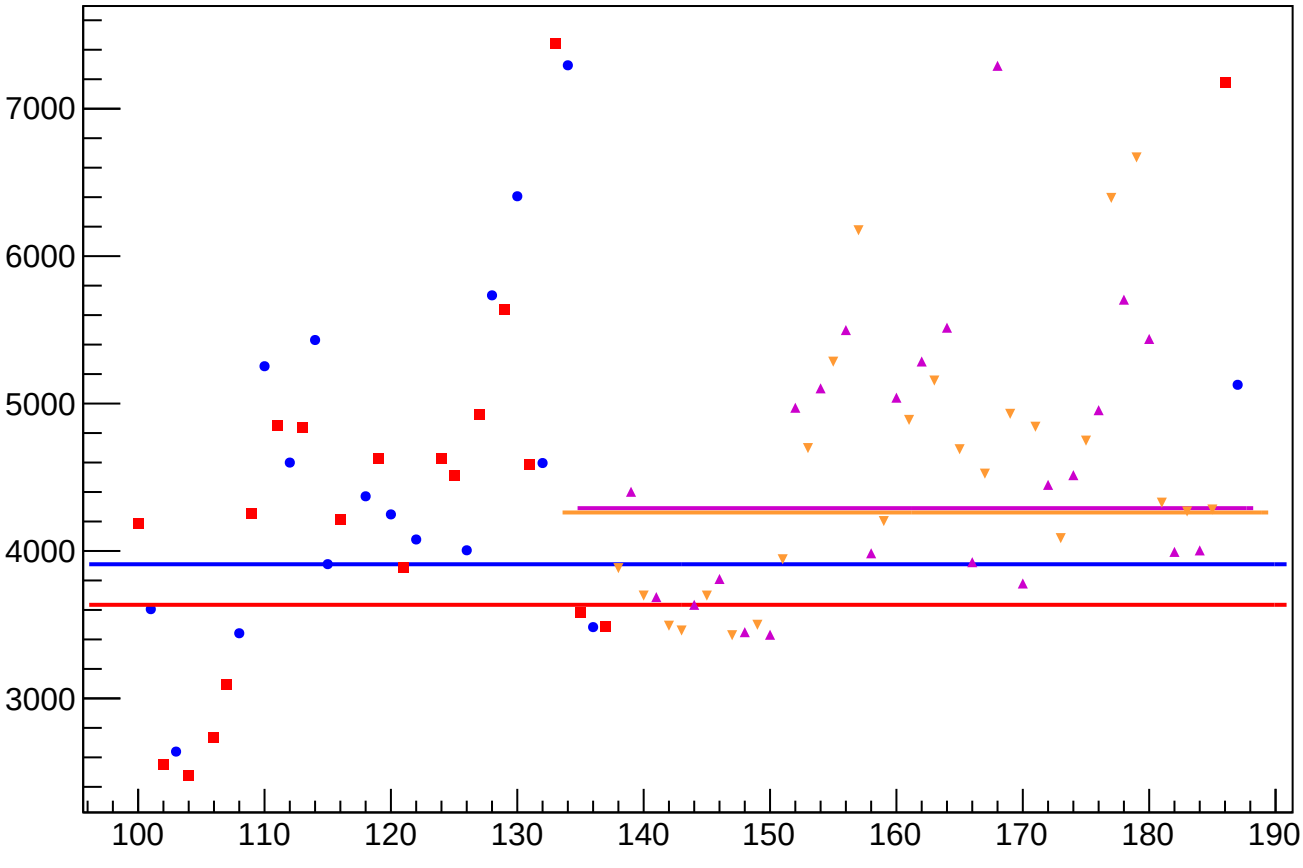
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 925.807+/-1003.511 χ^2/NDF: 35.1/36

In: 446.932+/-842.329 χ^2/NDF:29.3/39

Out: -153.079+/-800.547 χ^2/NDF:47.3/44

All: 131.677+/-580.281 χ^2/NDF: 77.0/84



Right In: 3909.953+/-1.051 χ^2/NDF: 899631.3/16

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 3634.850+/-0.962 χ^2/NDF: 1424829.7/19

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

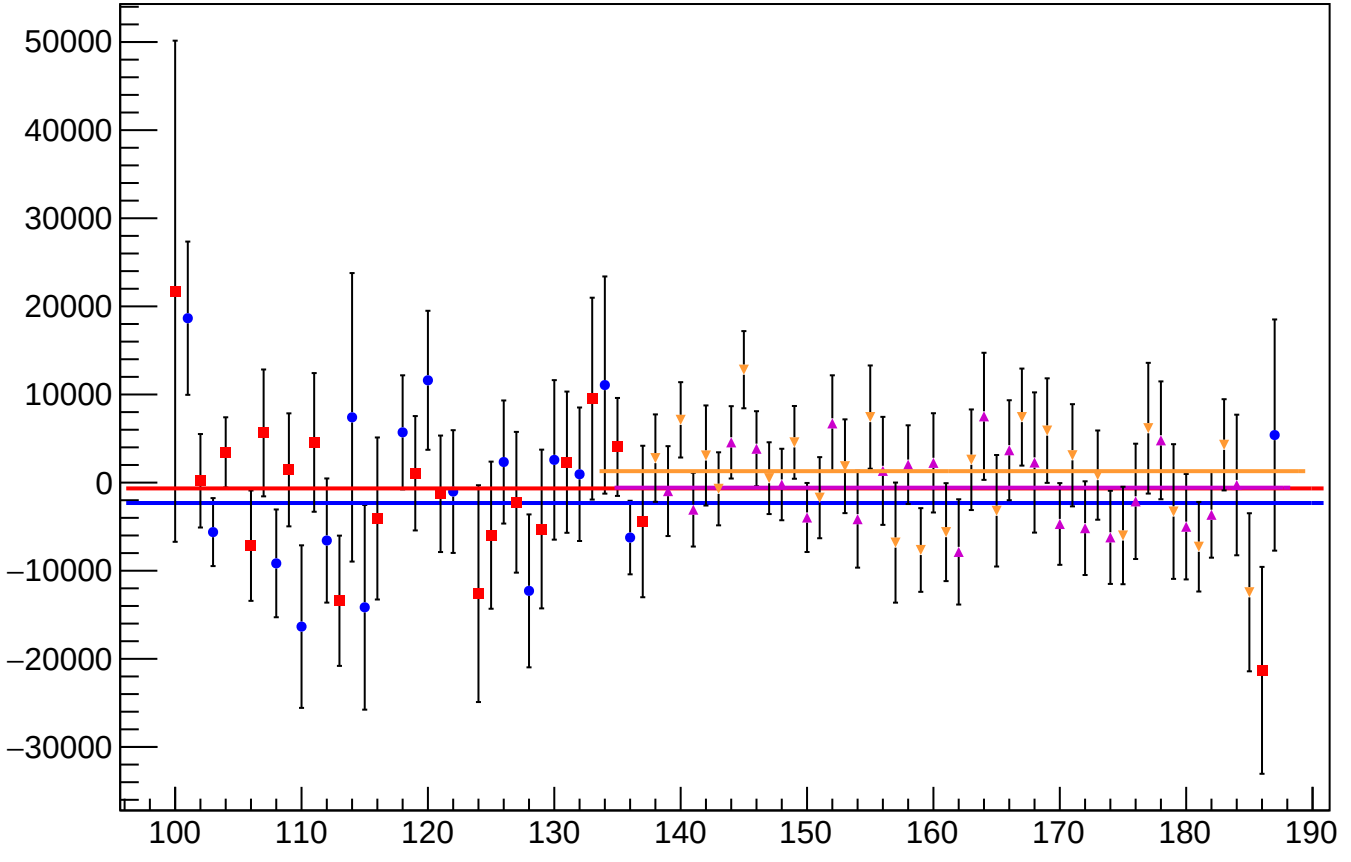
Right: 3760.315+/-0.710 χ^2/NDF: 2361747.3/36

In: 4168.156+/-0.596 χ^2/NDF:2202577.4/39

Out: 4044.337+/-0.566 χ^2/NDF:2892433.9/44

All: 4103.100+/-0.410 χ^2/NDF: 5117717.2/84

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2315.725+/-1705.107 χ^2/NDF: 21.2/16

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -660.191+/-1607.298 χ^2/NDF: 13.9/19

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

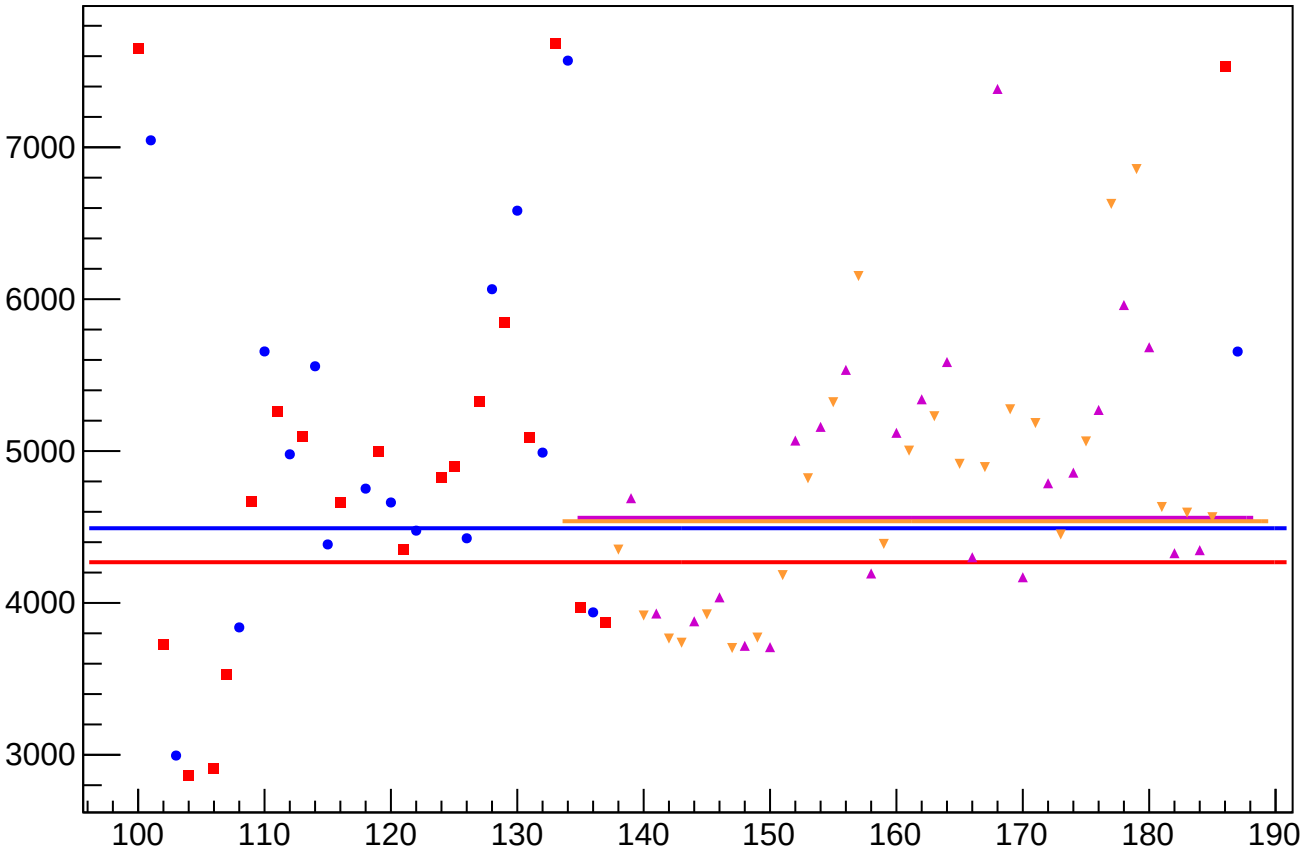
Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

Right: -1439.116+/-1169.581 χ^2/NDF: 35.6/36

In: -1075.830+/-913.662 χ^2/NDF:36.4/39

Out: 712.890+/-878.789 χ^2/NDF:43.4/44

All: -146.682+/-633.367 χ^2/NDF: 81.7/84



Right In: 4491.894+/-1.206 χ^2/NDF: 907675.6/16

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4268.178+/-1.127 χ^2/NDF: 1003721.5/19

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

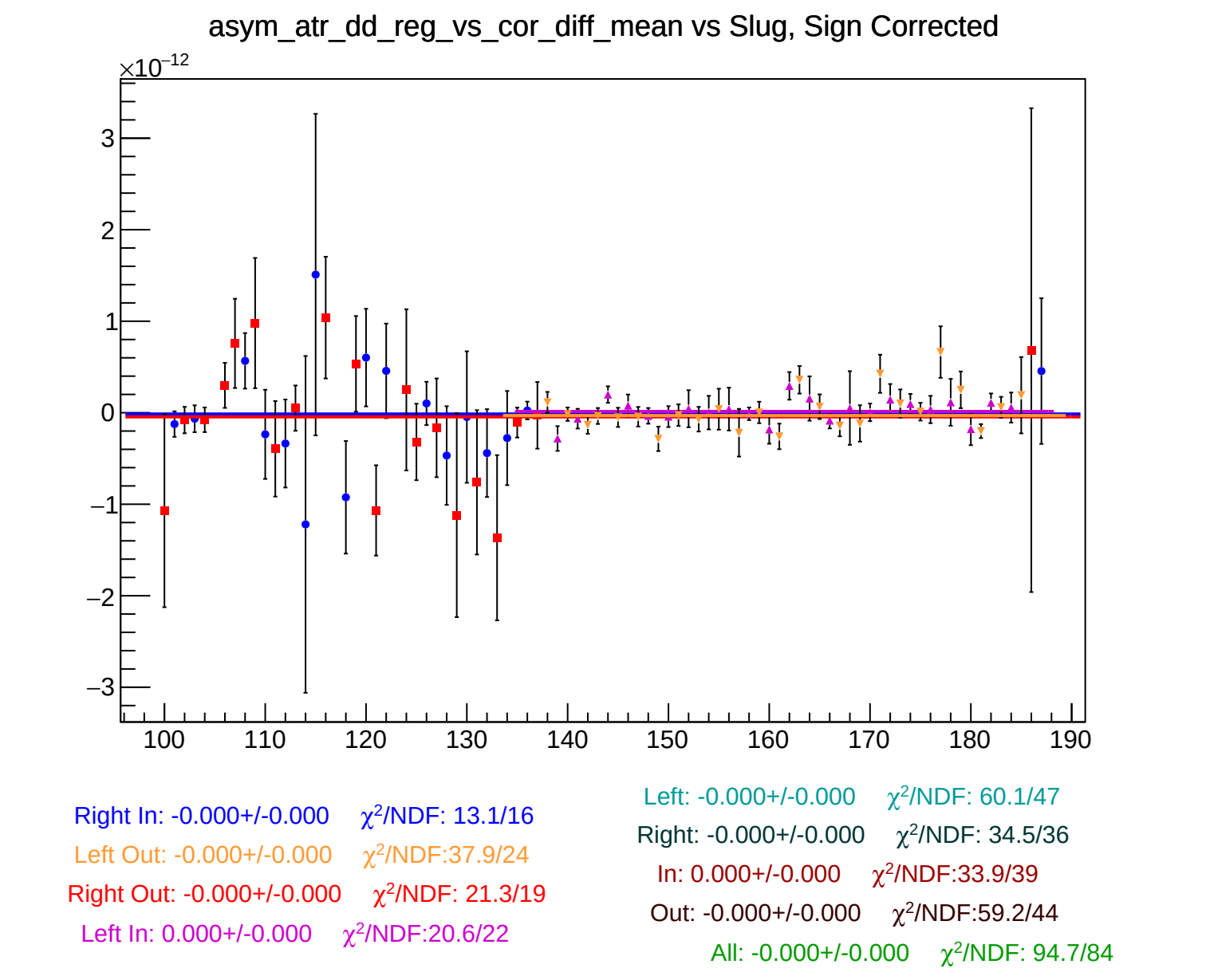
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

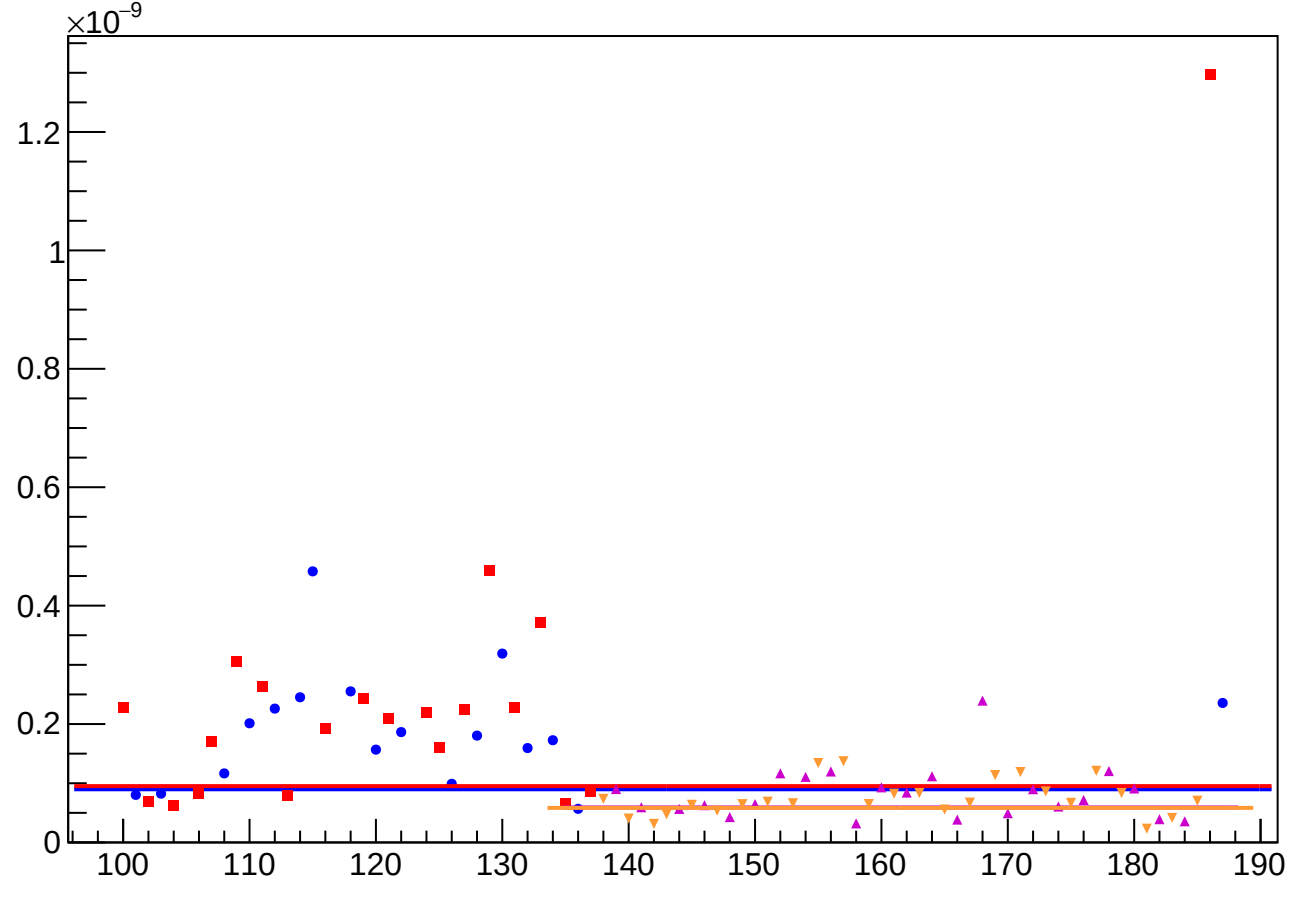
Right: 4372.540+/-0.823 χ^2/NDF: 1929765.1/36

In: 4540.806+/-0.646 χ^2/NDF:1890185.4/39

Out: 4456.383+/-0.620 χ^2/NDF:2036568.2/44

All: 4496.851+/-0.447 χ^2/NDF: 3935644.2/84


asym_atr_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.1/16
Left Out: -0.000+/-0.000 χ²/NDF:37.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.3/19
Left In: 0.000+/-0.000 χ²/NDF:20.6/22
Left: -0.000+/-0.000 χ²/NDF: 60.1/47
Right: -0.000+/-0.000 χ²/NDF: 34.5/36
In: 0.000+/-0.000 χ²/NDF:33.9/39
Out: -0.000+/-0.000 χ²/NDF:59.2/44
All: -0.000+/-0.000 χ²/NDF: 94.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 1297753.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2108316.6/19

Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

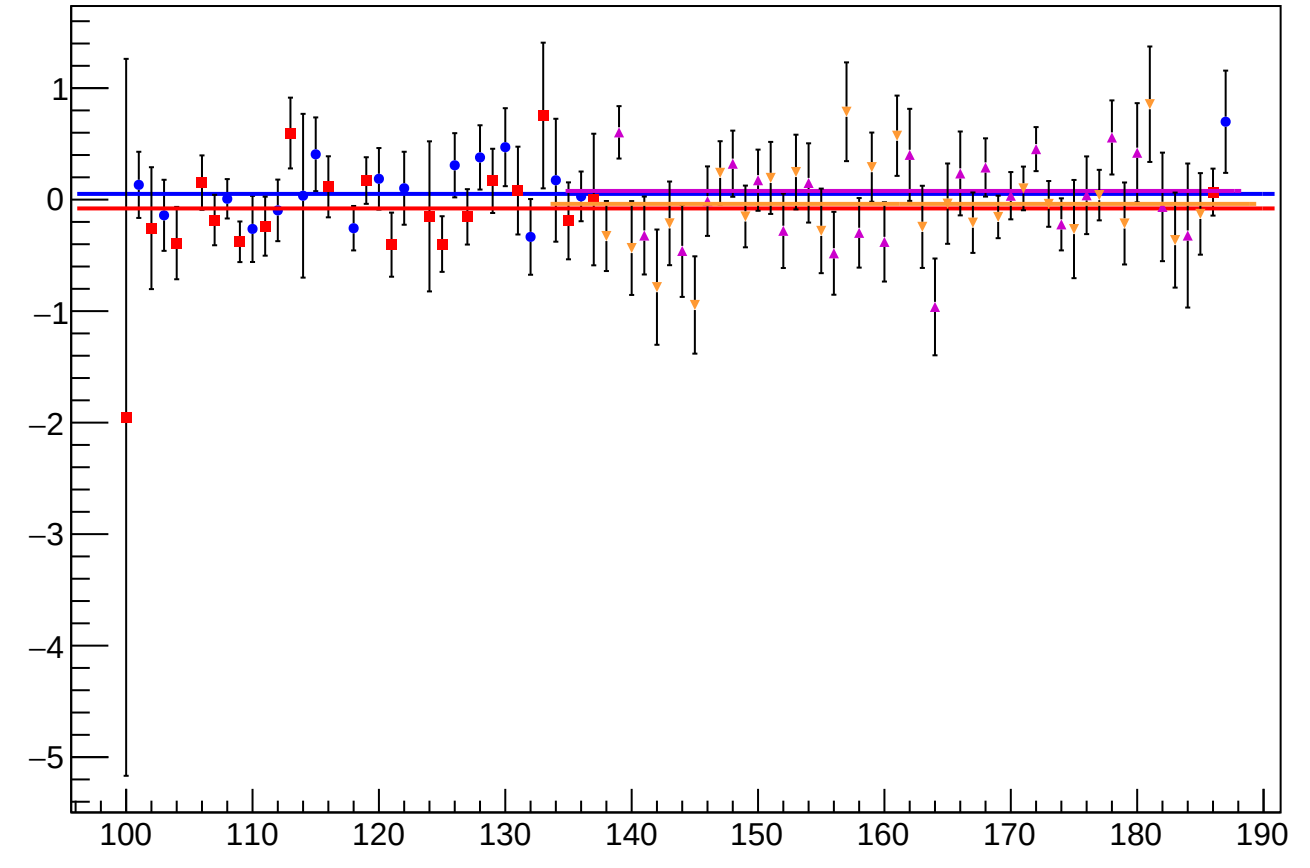
Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

Right: 0.000+/-0.000 χ^2/NDF: 3412868.7/36

In: 0.000+/-0.000 χ^2/NDF:3830224.4/39

Out: 0.000+/-0.000 χ^2/NDF:4559559.5/44

All: 0.000+/-0.000 χ^2/NDF: 8392009.1/84



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.079+/-0.064 χ^2/NDF: 18.2/19

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

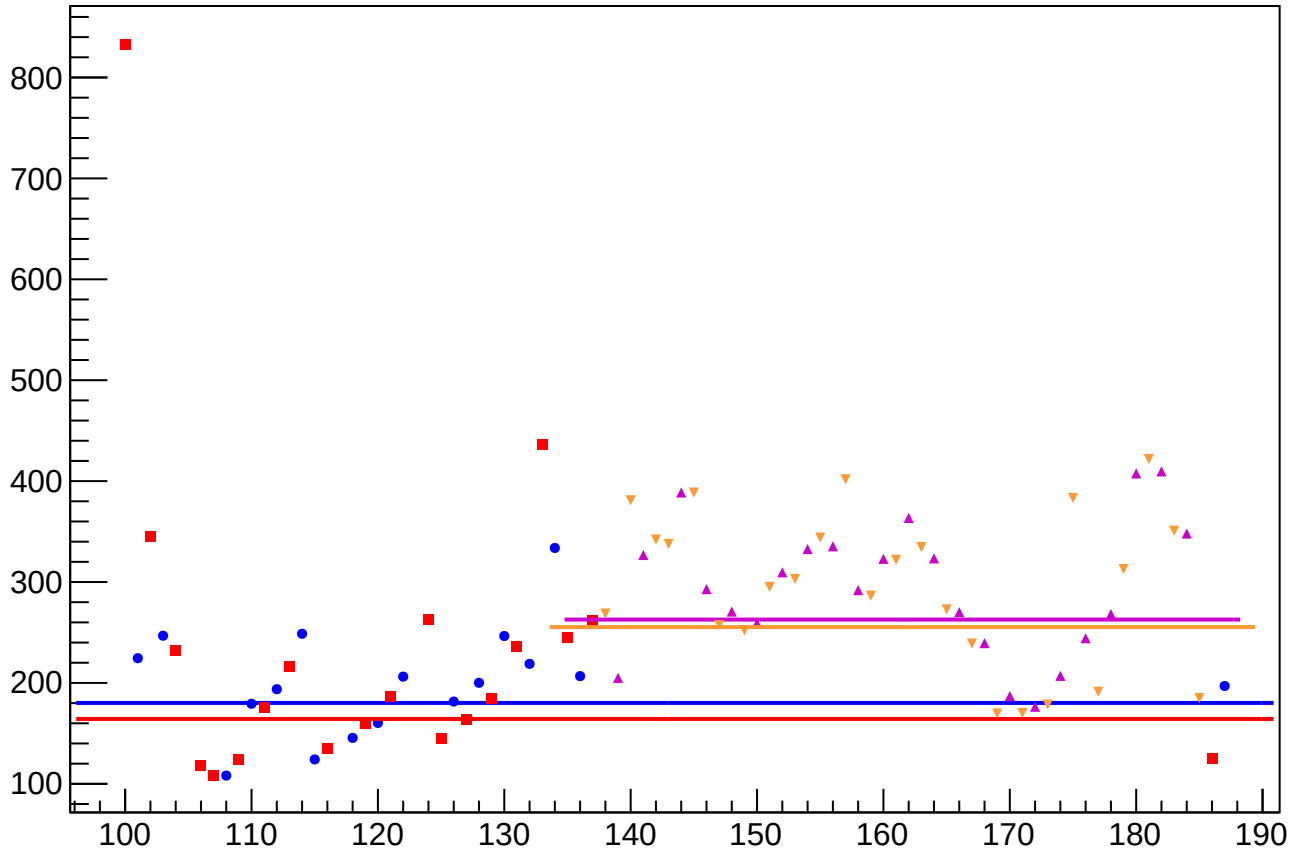
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.019+/-0.047 χ^2/NDF: 32.6/36

In: 0.065+/-0.048 χ^2/NDF:43.7/39

Out: -0.058+/-0.045 χ^2/NDF:42.8/44

All: -0.000+/-0.033 χ^2/NDF: 90.1/84



Right In: 180.194+/-0.049 χ^2/NDF: 921283.4/16

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 164.300+/-0.046 χ^2/NDF: 1485397.4/19

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

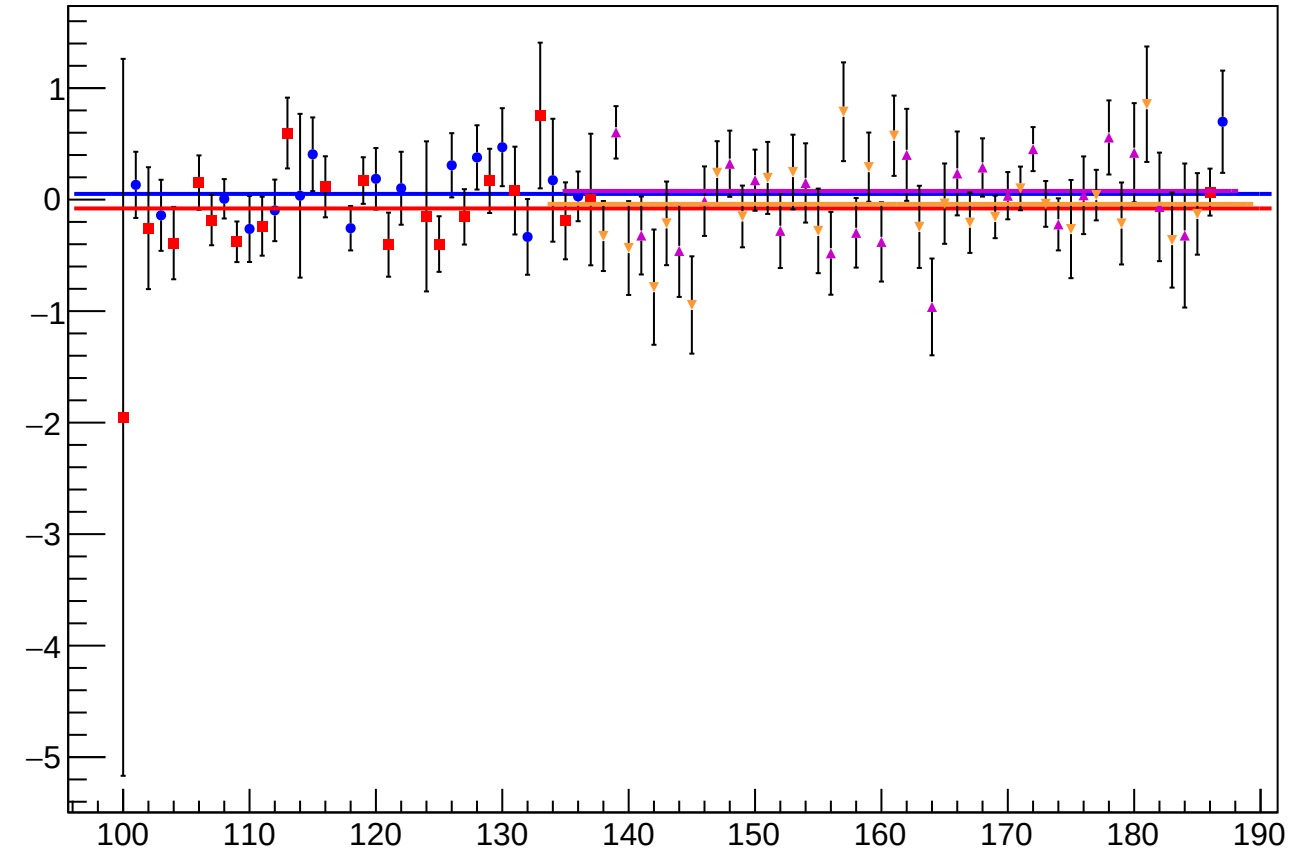
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 171.613+/-0.033 χ^2/NDF: 2462734.6/36

In: 224.476+/-0.034 χ^2/NDF:4449858.1/39

Out: 211.610+/-0.032 χ^2/NDF:6498353.9/44

All: 217.642+/-0.023 χ^2/NDF: 11026120.2/84



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.079+/-0.064 χ^2/NDF: 18.2/19

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

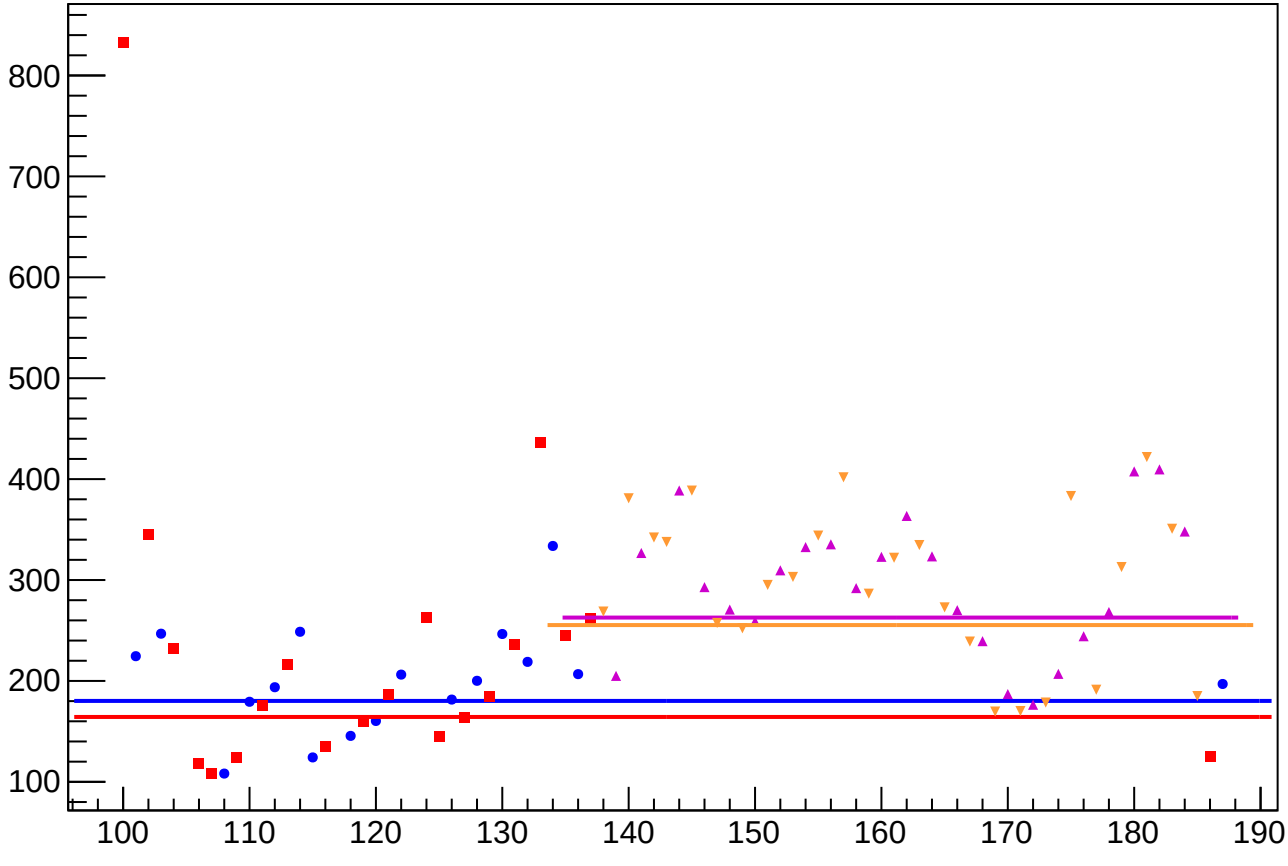
Right: -0.019+/-0.047 χ^2/NDF: 32.6/36

In: 0.065+/-0.048 χ^2/NDF:43.7/39

Out: -0.058+/-0.045 χ^2/NDF:42.8/44

All: -0.000+/-0.033 χ^2/NDF: 90.1/84

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.194+/-0.049 χ^2/NDF: 921283.4/16

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 164.300+/-0.046 χ^2/NDF: 1485397.4/19

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

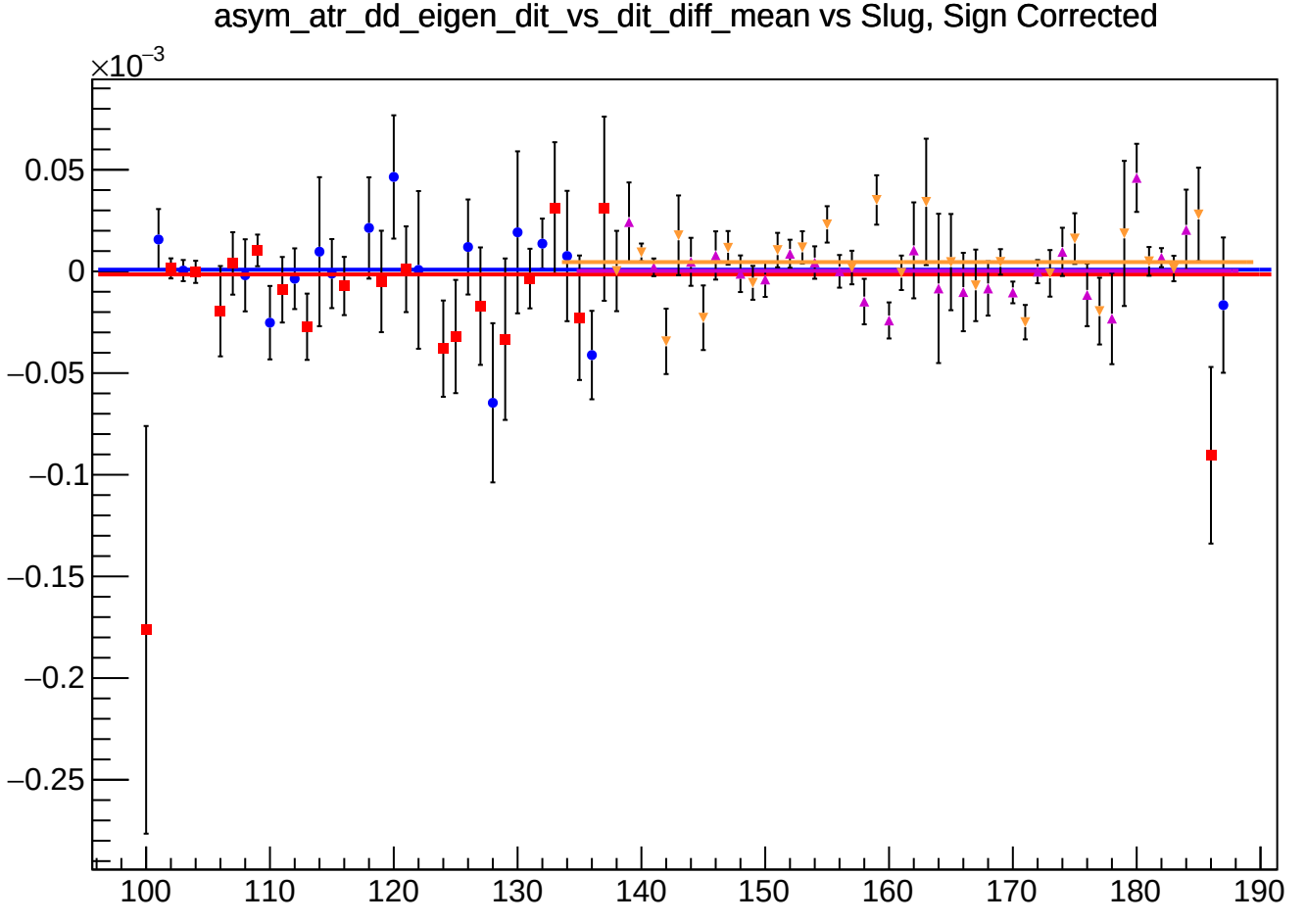
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 171.613+/-0.033 χ^2/NDF: 2462734.6/36

In: 224.476+/-0.034 χ^2/NDF:4449858.1/39

Out: 211.610+/-0.032 χ^2/NDF:6498353.9/44

All: 217.642+/-0.023 χ^2/NDF: 11026120.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/19

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

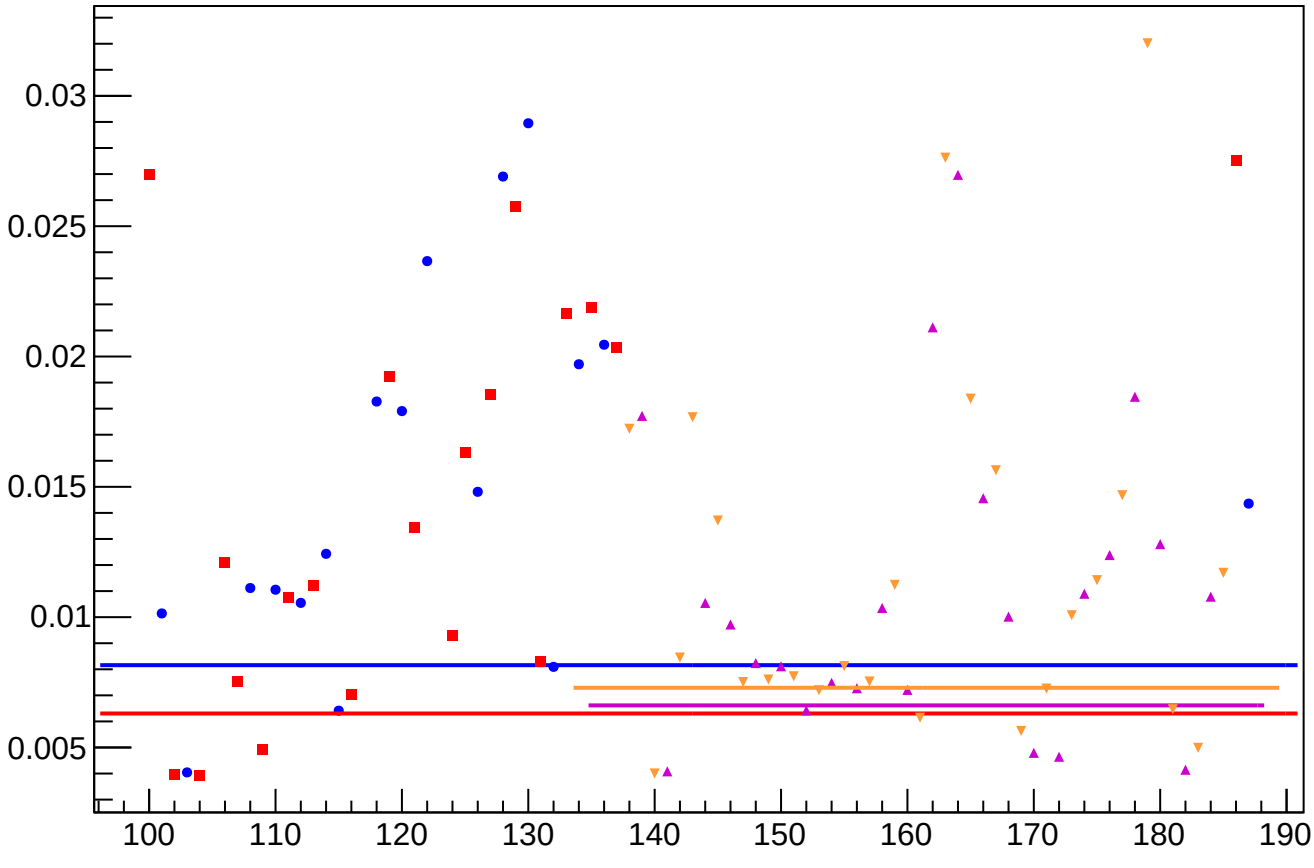
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 35.0/36

In: 0.000+/-0.000 χ^2/NDF:45.8/39

Out: 0.000+/-0.000 χ^2/NDF:66.8/44

All: 0.000+/-0.000 χ^2/NDF: 113.7/84



Right In: 0.008+/-0.000 χ^2/NDF: 4483758.3/16

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.006+/-0.000 χ^2/NDF: 5039725.1/19

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

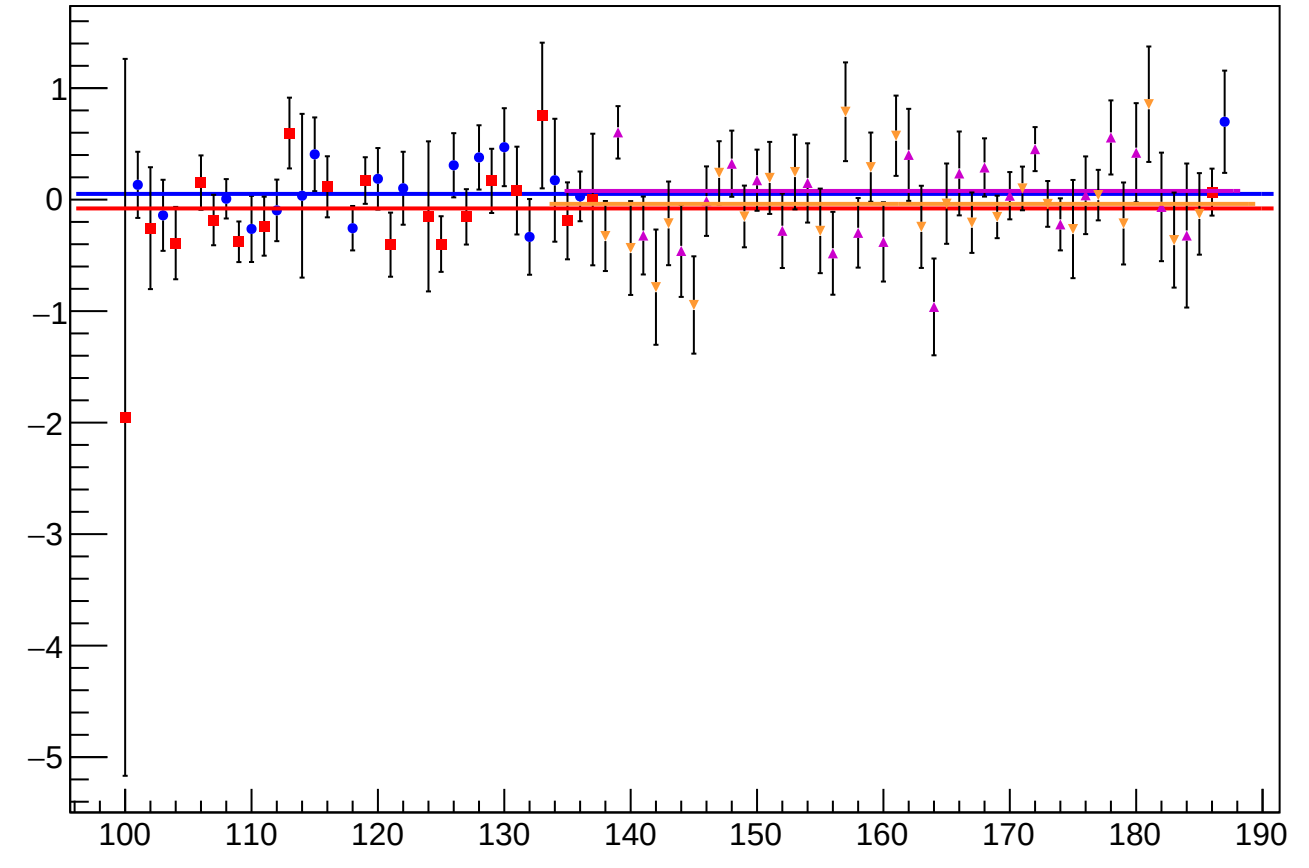
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.007+/-0.000 χ^2/NDF: 9842978.3/36

In: 0.007+/-0.000 χ^2/NDF:11176679.3/39

Out: 0.007+/-0.000 χ^2/NDF:11982391.0/44

All: 0.007+/-0.000 χ^2/NDF: 23161372.4/84



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.079+/-0.064 χ^2/NDF: 18.2/19

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

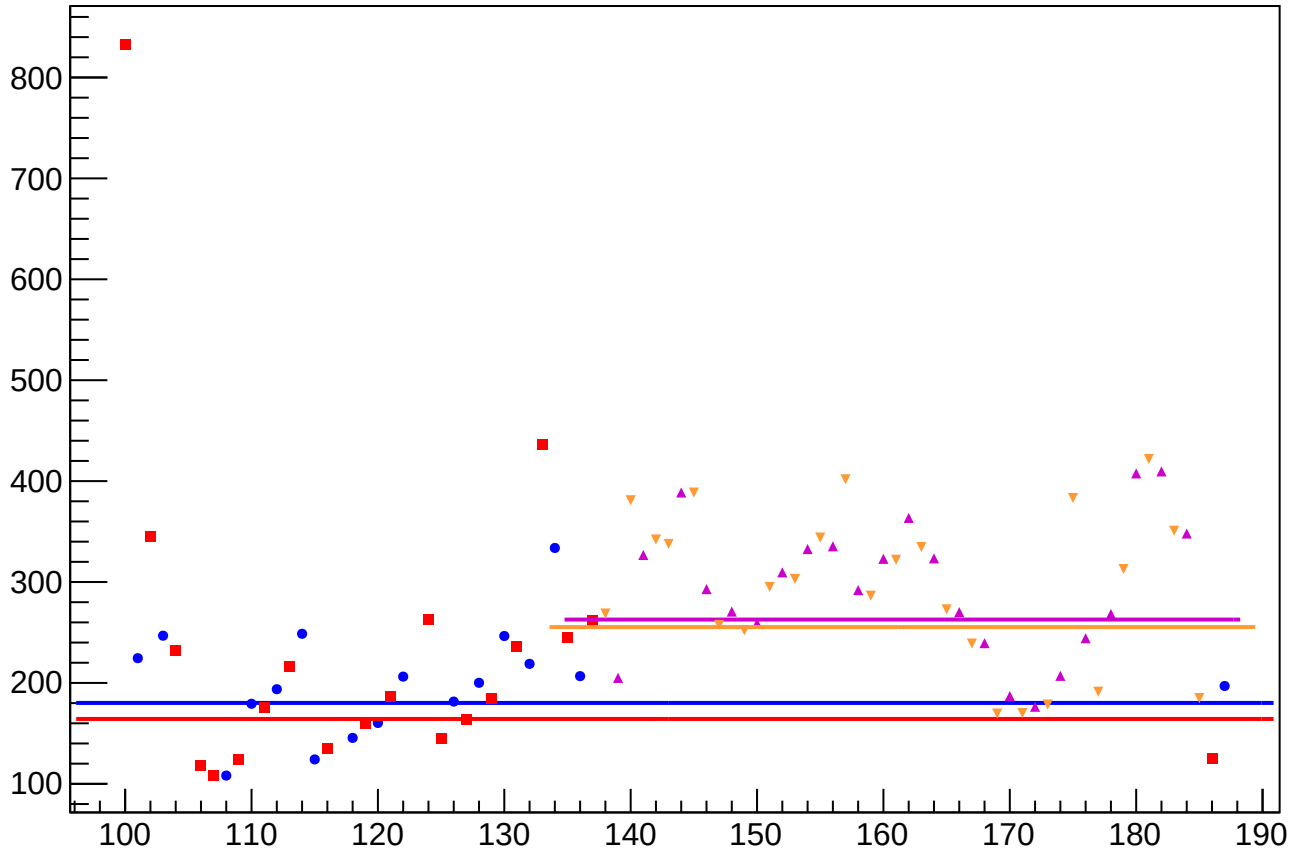
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.019+/-0.047 χ^2/NDF: 32.6/36

In: 0.065+/-0.048 χ^2/NDF:43.7/39

Out: -0.058+/-0.045 χ^2/NDF:42.8/44

All: -0.000+/-0.033 χ^2/NDF: 90.1/84



Right In: 180.191+/-0.049 χ^2/NDF: 921329.8/16

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 164.300+/-0.046 χ^2/NDF: 1485407.6/19

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

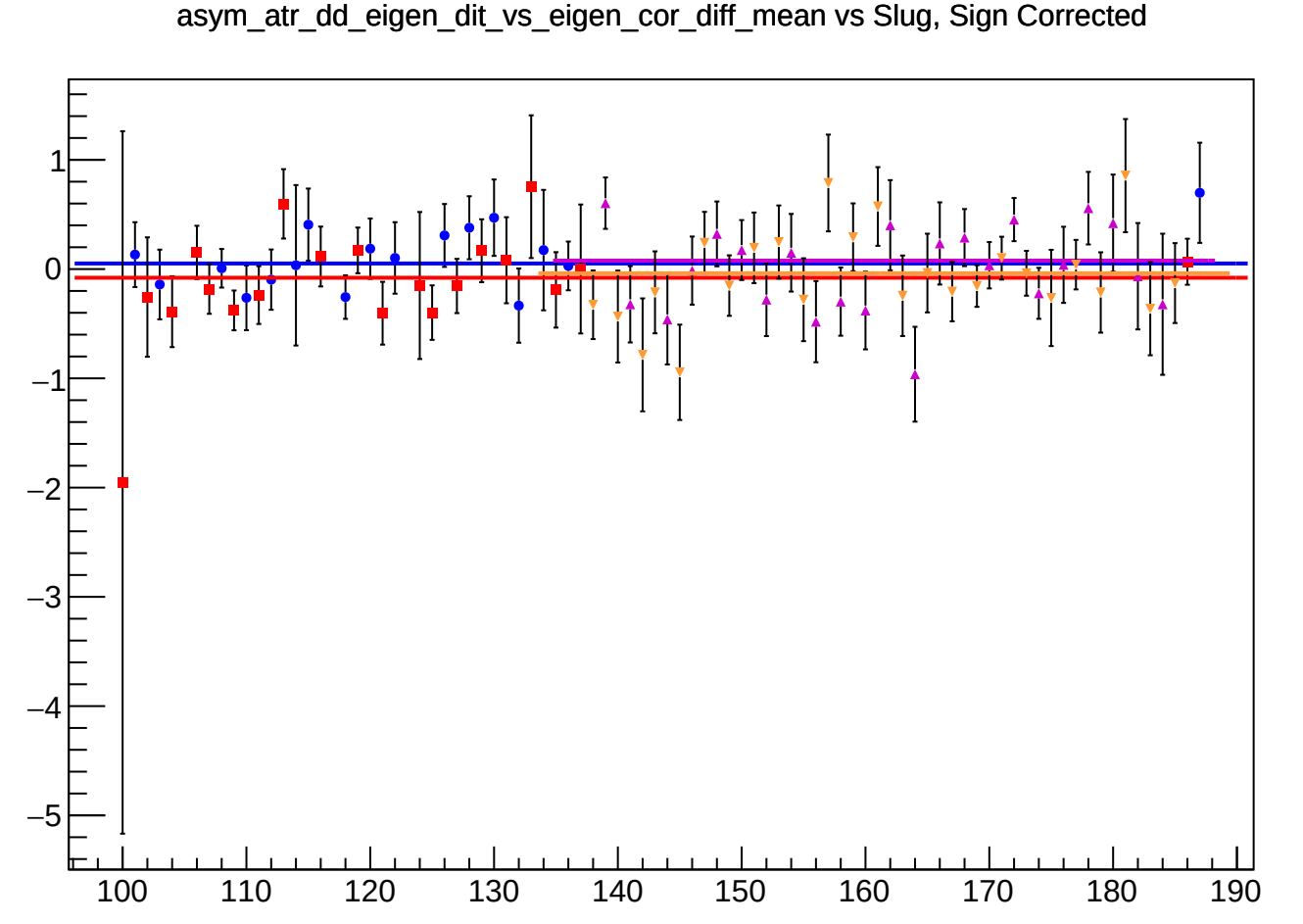
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 171.611+/-0.033 χ^2/NDF: 2462775.8/36

In: 224.475+/-0.034 χ^2/NDF:4450133.3/39

Out: 211.610+/-0.032 χ^2/NDF:6498550.3/44

All: 217.642+/-0.023 χ^2/NDF: 11026576.1/84



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.079+/-0.064 χ^2/NDF: 18.2/19

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

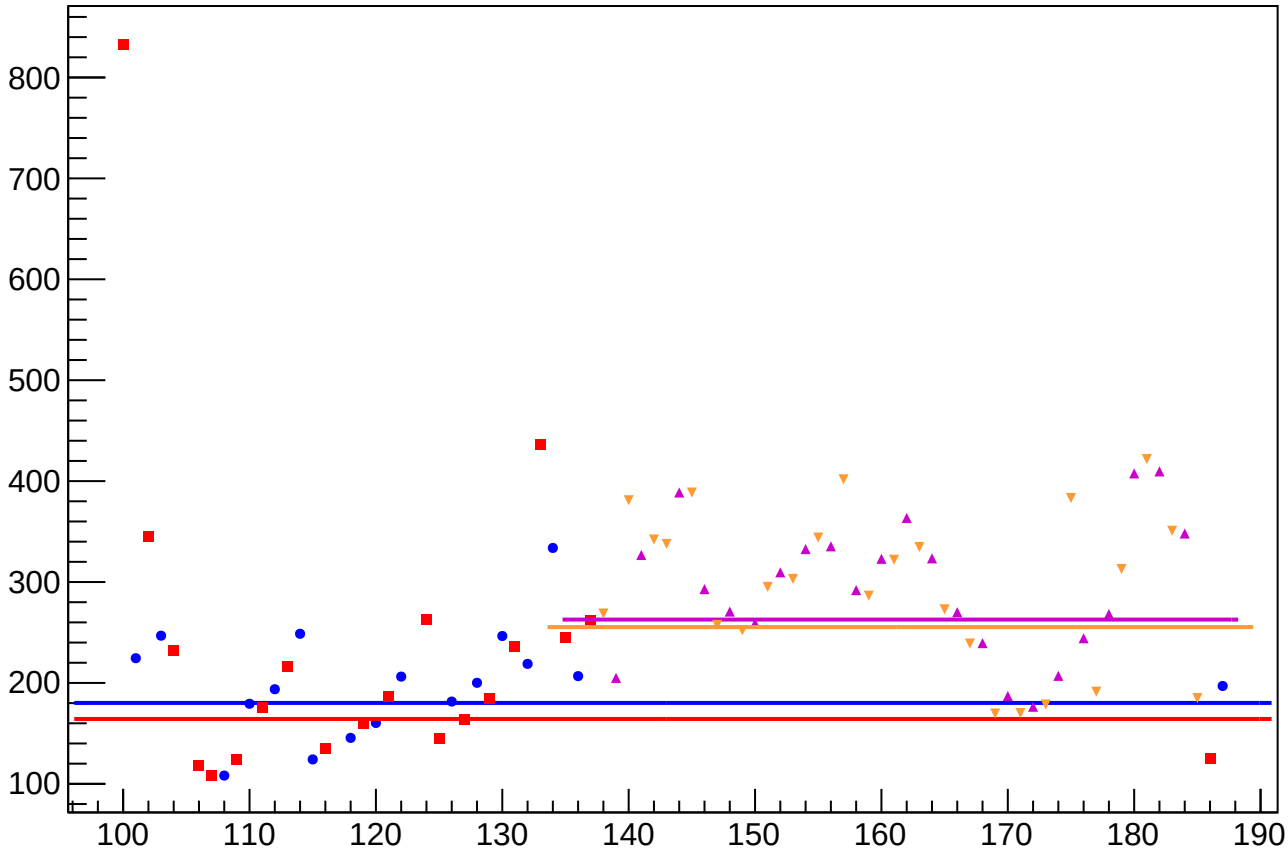
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.019+/-0.047 χ^2/NDF: 32.6/36

In: 0.065+/-0.048 χ^2/NDF:43.7/39

Out: -0.058+/-0.045 χ^2/NDF:42.8/44

All: -0.000+/-0.033 χ^2/NDF: 90.1/84



Right In: 180.191+/-0.049 χ^2/NDF: 921329.8/16

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 164.300+/-0.046 χ^2/NDF: 1485407.6/19

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

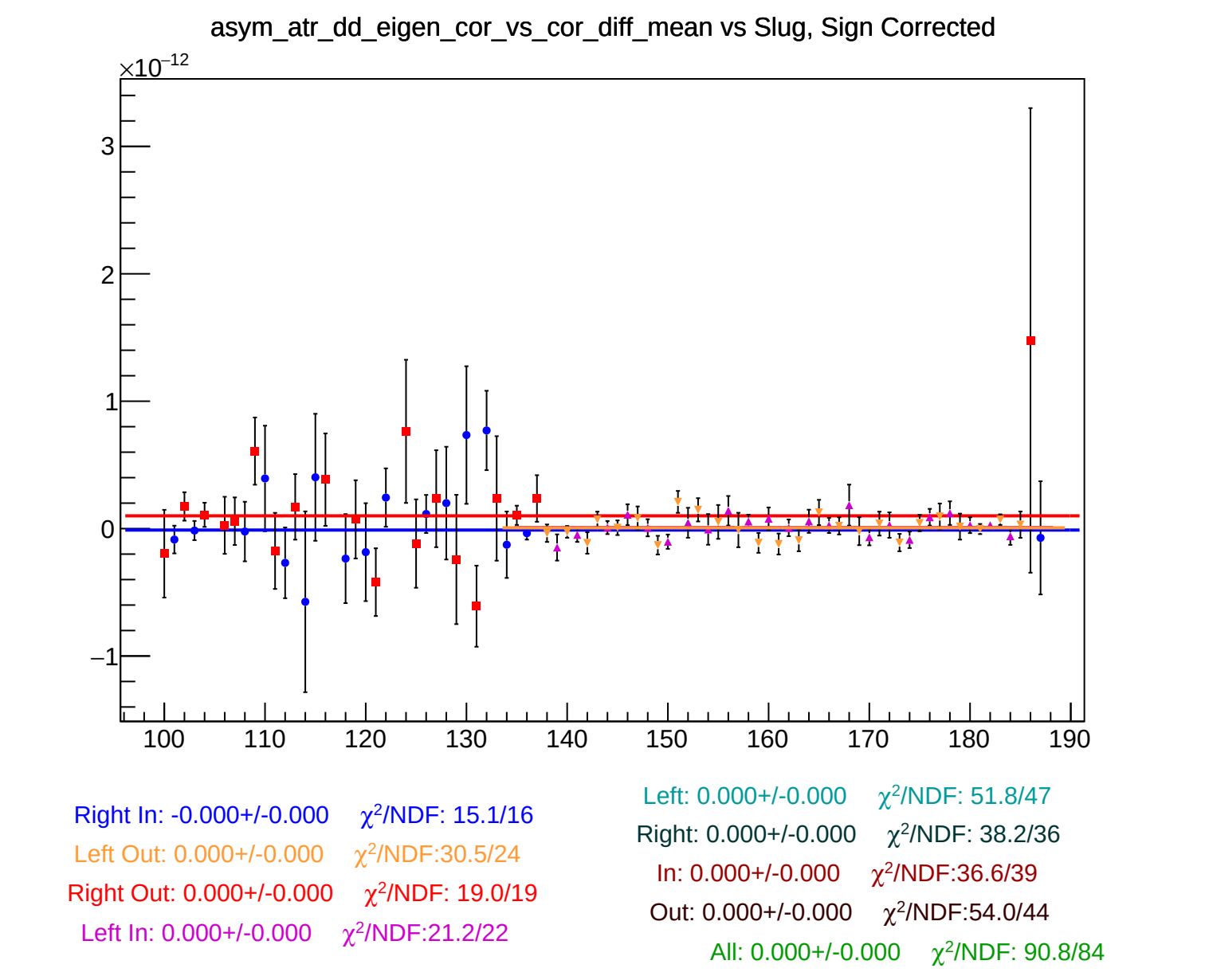
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

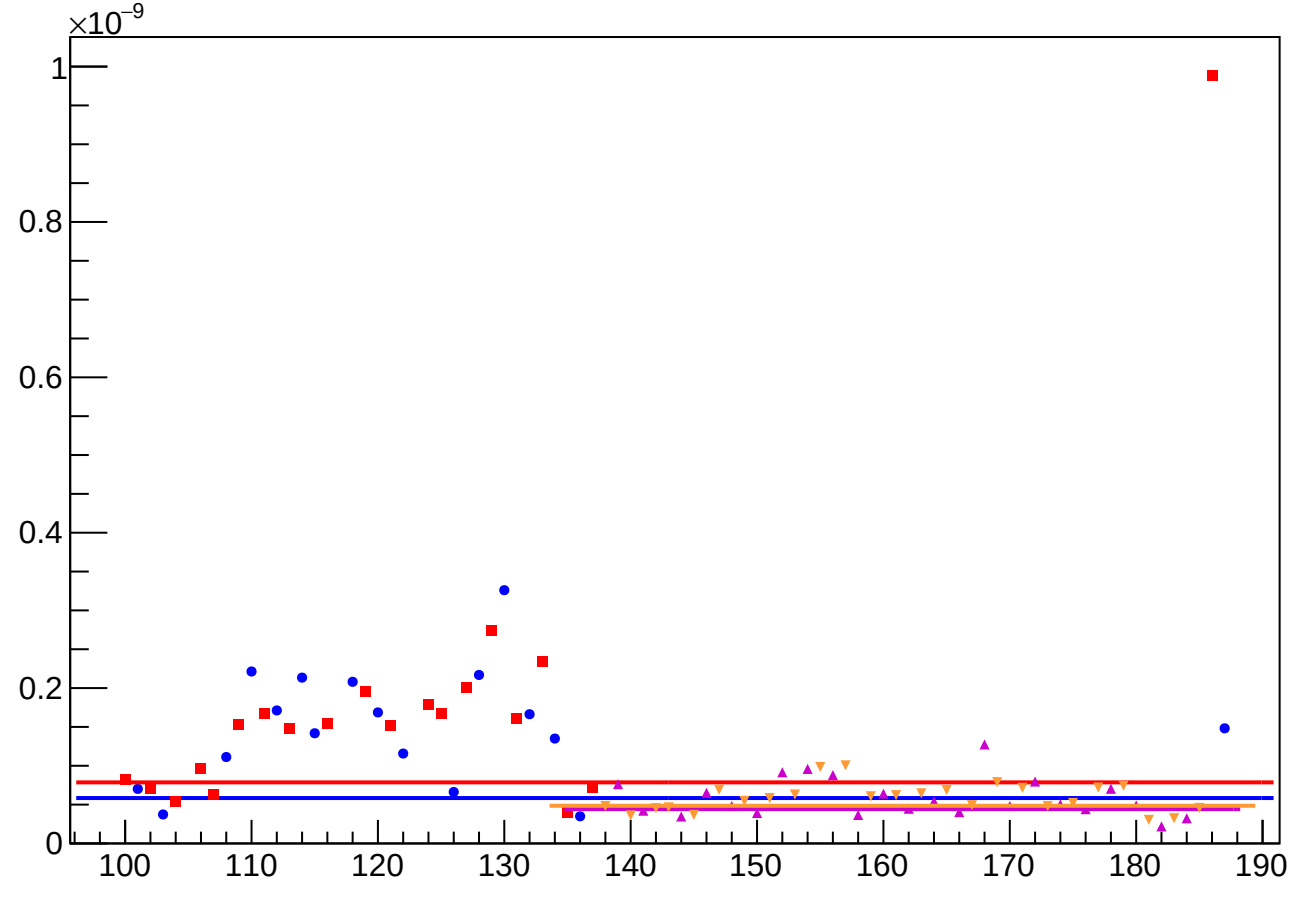
Right: 171.611+/-0.033 χ^2/NDF: 2462775.8/36

In: 224.475+/-0.034 χ^2/NDF:4450133.3/39

Out: 211.610+/-0.032 χ^2/NDF:6498550.3/44

All: 217.642+/-0.023 χ^2/NDF: 11026576.1/84


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.1/16
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.0/19
Left In: 0.000+/-0.000 χ²/NDF:21.2/22
Left: 0.000+/-0.000 χ²/NDF: 51.8/47
Right: 0.000+/-0.000 χ²/NDF: 38.2/36
In: 0.000+/-0.000 χ²/NDF:36.6/39
Out: 0.000+/-0.000 χ²/NDF:54.0/44
All: 0.000+/-0.000 χ²/NDF: 90.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 3405148.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3230311.8/19

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

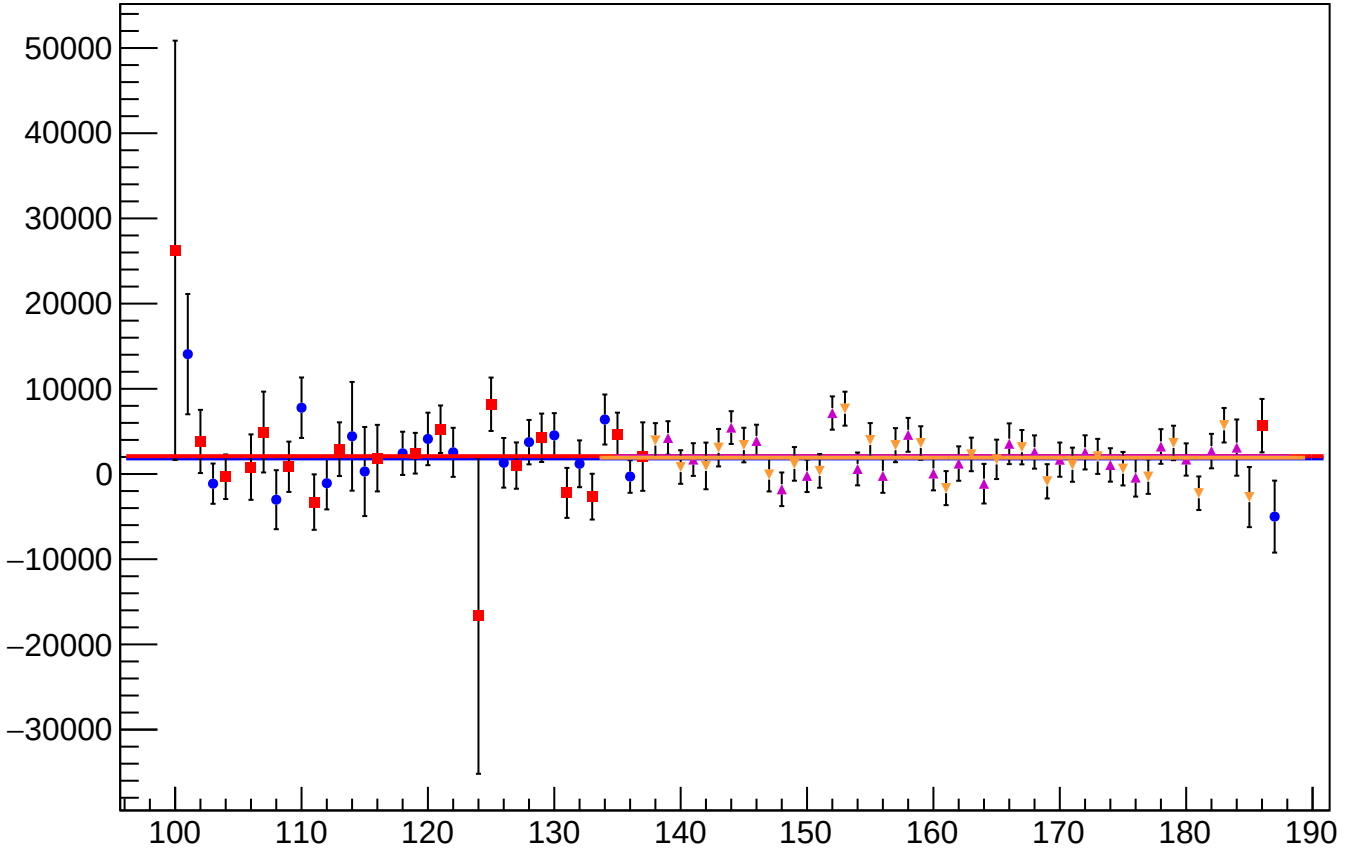
Right: 0.000+/-0.000 χ^2/NDF: 6906212.5/36

In: 0.000+/-0.000 χ^2/NDF:7314154.5/39

Out: 0.000+/-0.000 χ^2/NDF:6640414.6/44

All: 0.000+/-0.000 χ^2/NDF: 14130193.7/84

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1831.575+/-725.273 χ^2/NDF: 19.1/16

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2093.140+/-717.222 χ^2/NDF: 19.9/19

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

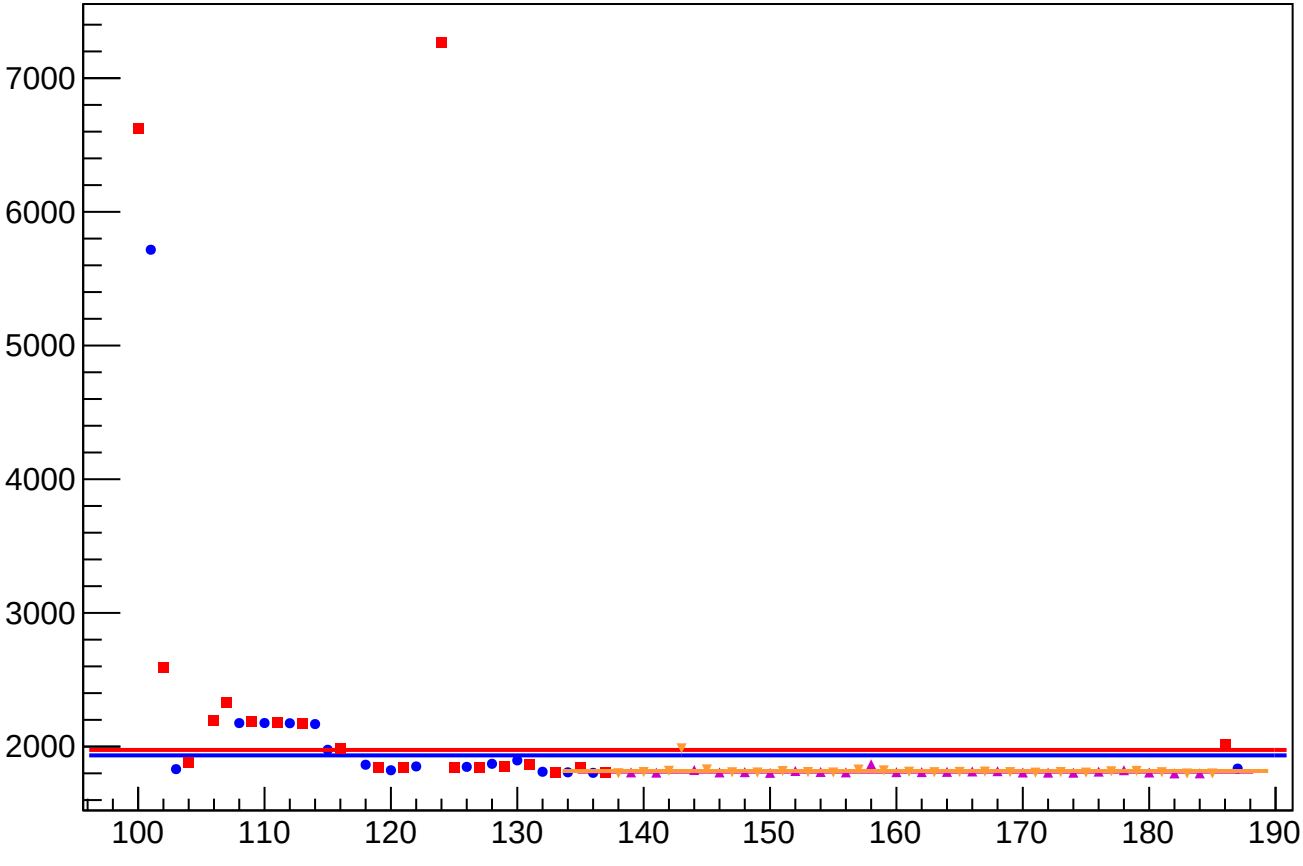
Right: 1963.818+/-509.975 χ^2/NDF: 39.1/36

In: 2012.577+/-365.526 χ^2/NDF:45.8/39

Out: 1963.569+/-357.848 χ^2/NDF:52.5/44

All: 1987.553+/-255.708 χ^2/NDF: 98.2/84

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.3/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1975.062+/-0.507 χ^2/NDF: 377910.0/19

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

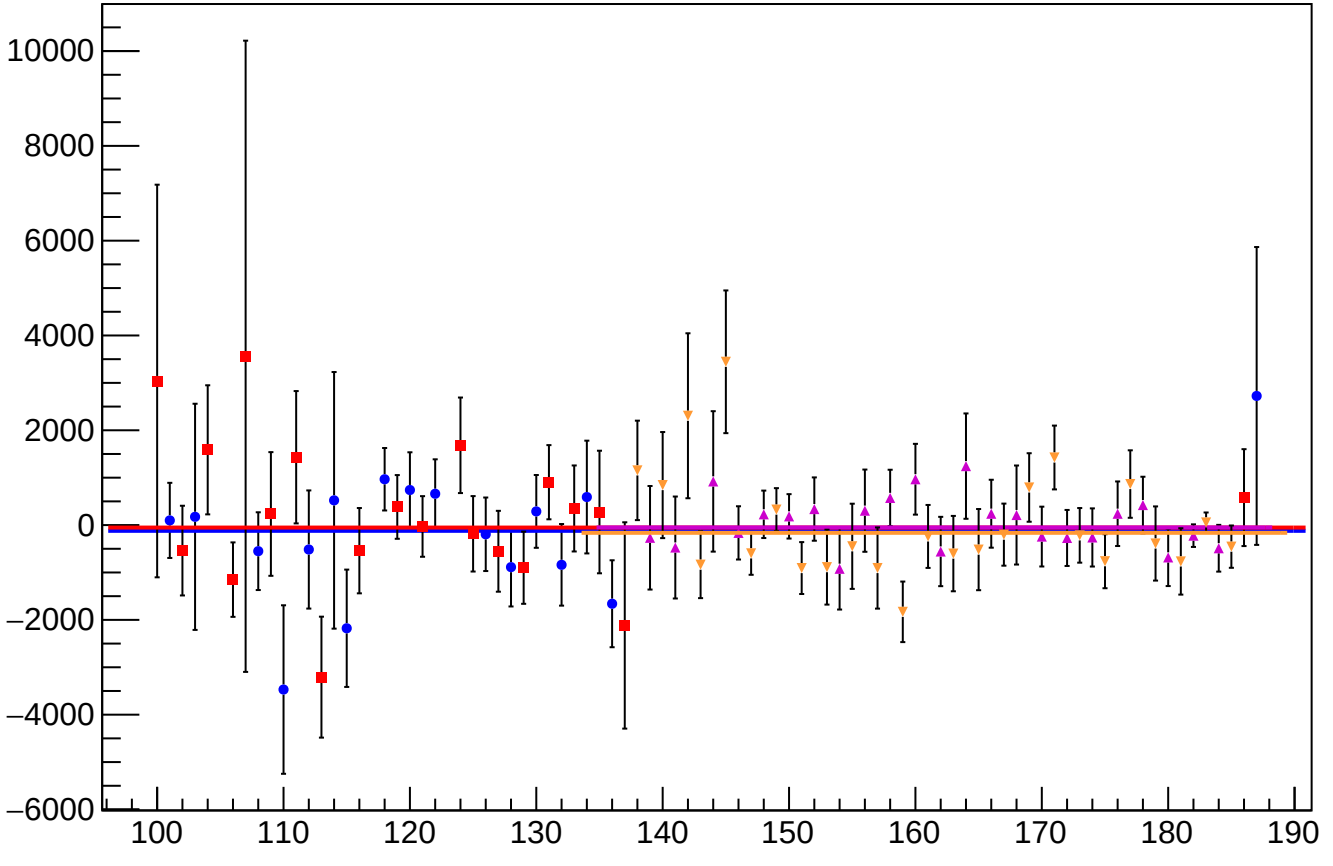
Right: 1954.883+/-0.361 χ^2/NDF: 1020332.3/36

In: 1843.458+/-0.258 χ^2/NDF:683245.5/39

Out: 1856.741+/-0.253 χ^2/NDF:463336.9/44

All: 1850.240+/-0.181 χ^2/NDF: 1147931.2/84

asym_at1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -121.339+/-229.813 χ^2/NDF: 17.7/16

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -52.488+/-216.959 χ^2/NDF: 20.1/19

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

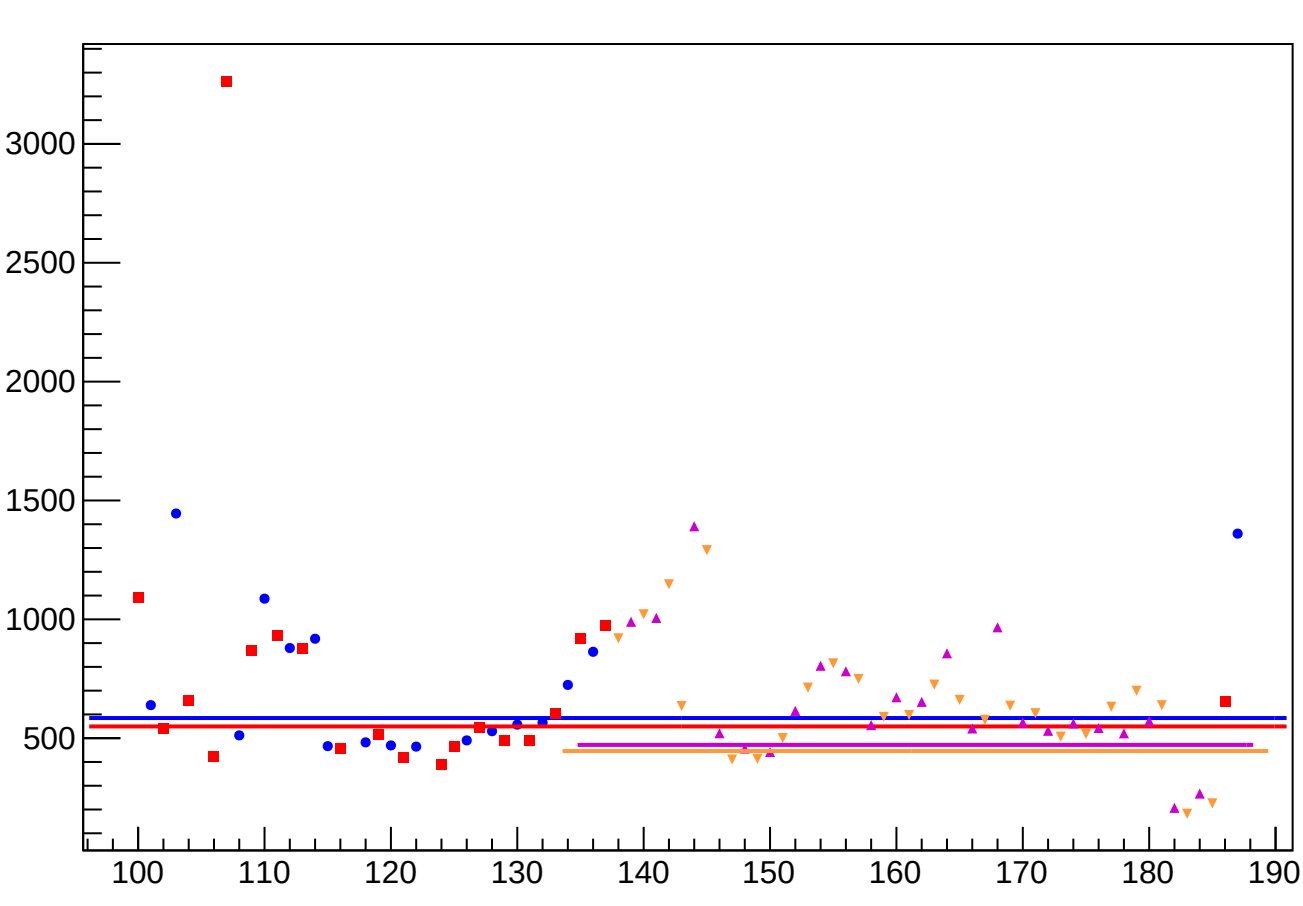
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -84.934+/-157.762 χ^2/NDF: 37.9/36

In: -65.270+/-108.233 χ^2/NDF:29.1/39

Out: -138.660+/-101.812 χ^2/NDF:57.2/44

All: -104.207+/-74.158 χ^2/NDF: 86.6/84



Right In: 584.783+/-0.163 χ^2/NDF: 1125988.5/16

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 549.431+/-0.153 χ^2/NDF: 1309273.7/19

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

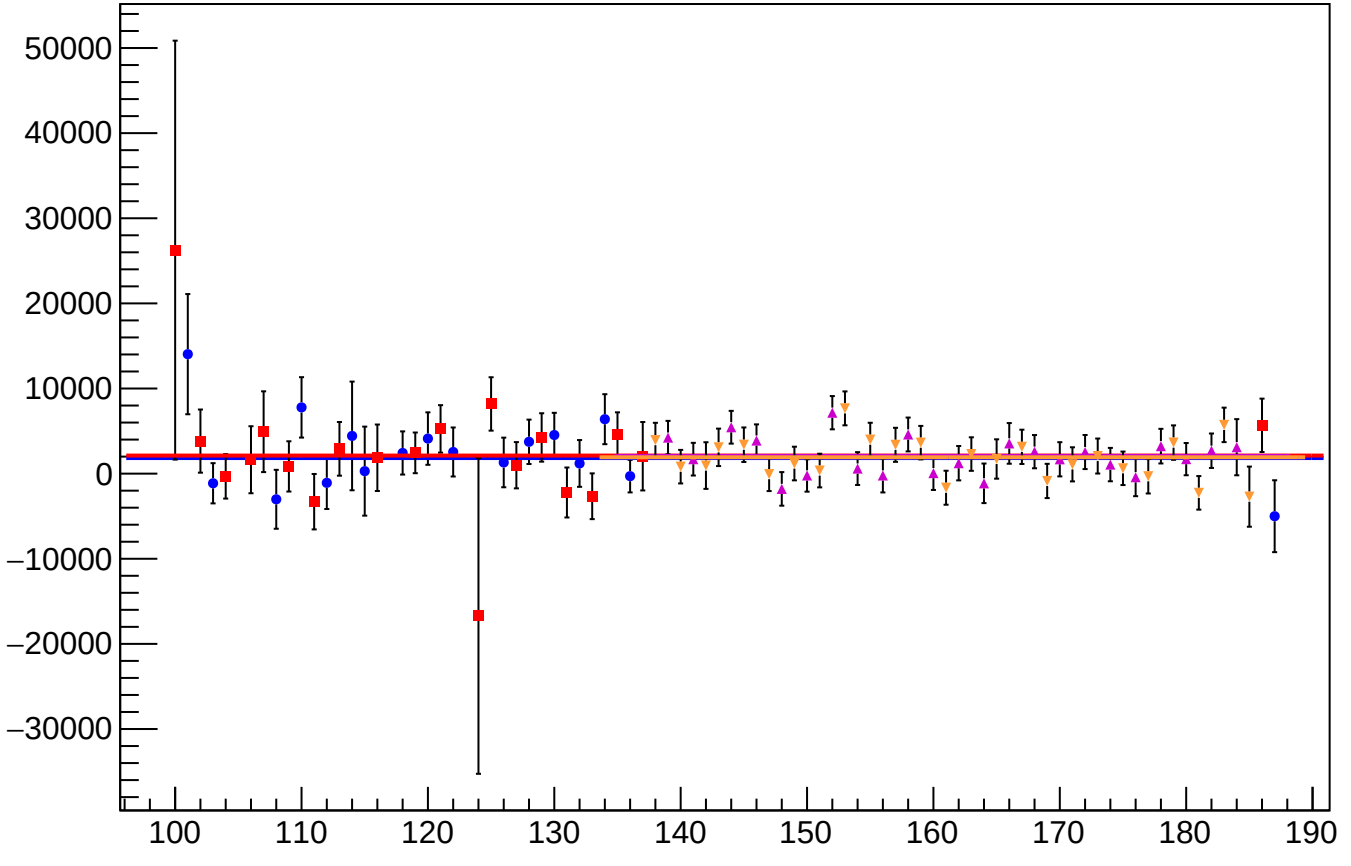
Right: 566.091+/-0.112 χ^2/NDF: 2460285.9/36

In: 496.818+/-0.077 χ^2/NDF:7916437.6/39

Out: 468.694+/-0.072 χ^2/NDF:9646914.2/44

All: 481.897+/-0.052 χ^2/NDF: 17634997.3/84

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1831.222+/-725.274 χ^2/NDF: 19.1/16

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2122.848+/-717.820 χ^2/NDF: 19.8/19

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

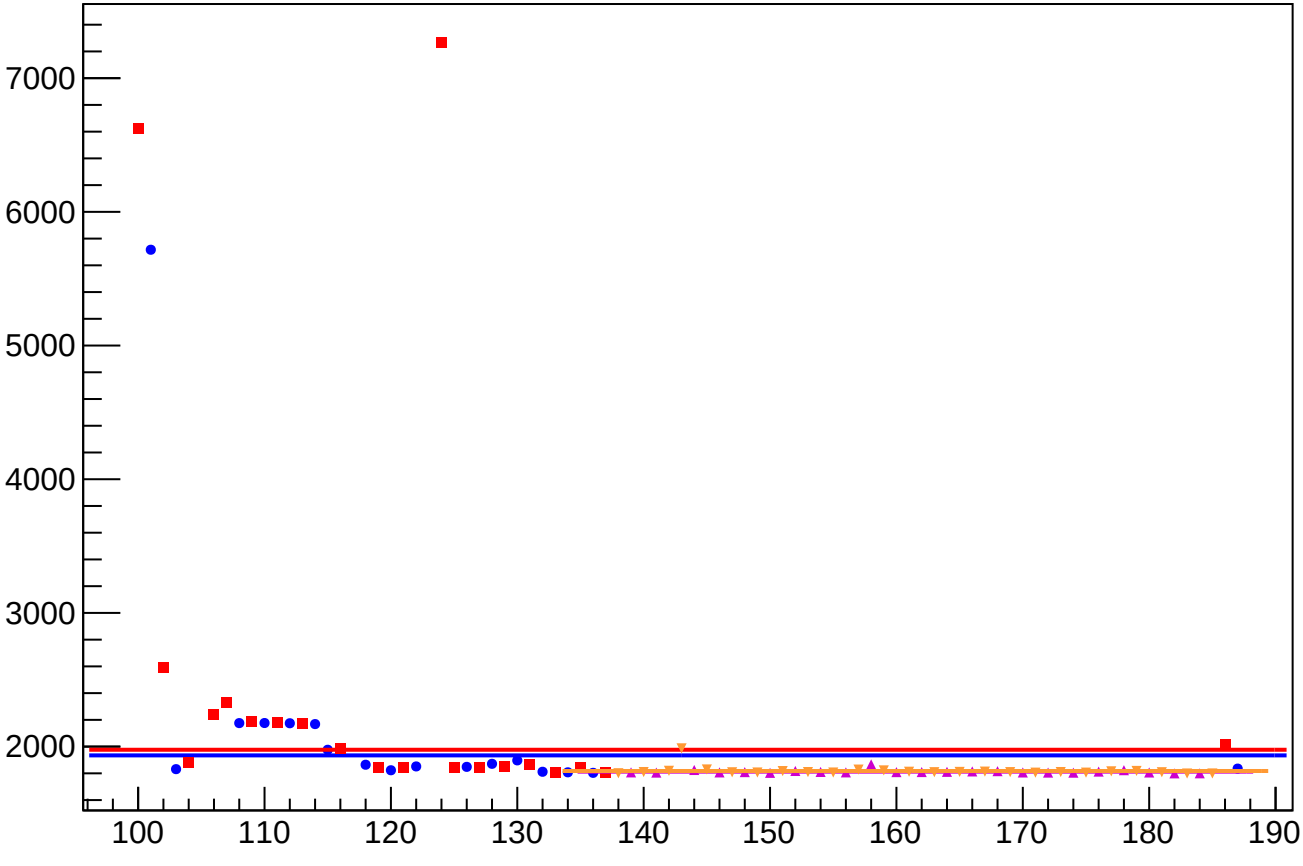
Right: 1978.541+/-510.190 χ^2/NDF: 39.0/36

In: 2012.563+/-365.526 χ^2/NDF:45.7/39

Out: 1970.875+/-357.922 χ^2/NDF:52.4/44

All: 1991.281+/-255.735 χ^2/NDF: 98.1/84

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.4/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1976.387+/-0.508 χ^2/NDF: 380780.3/19

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

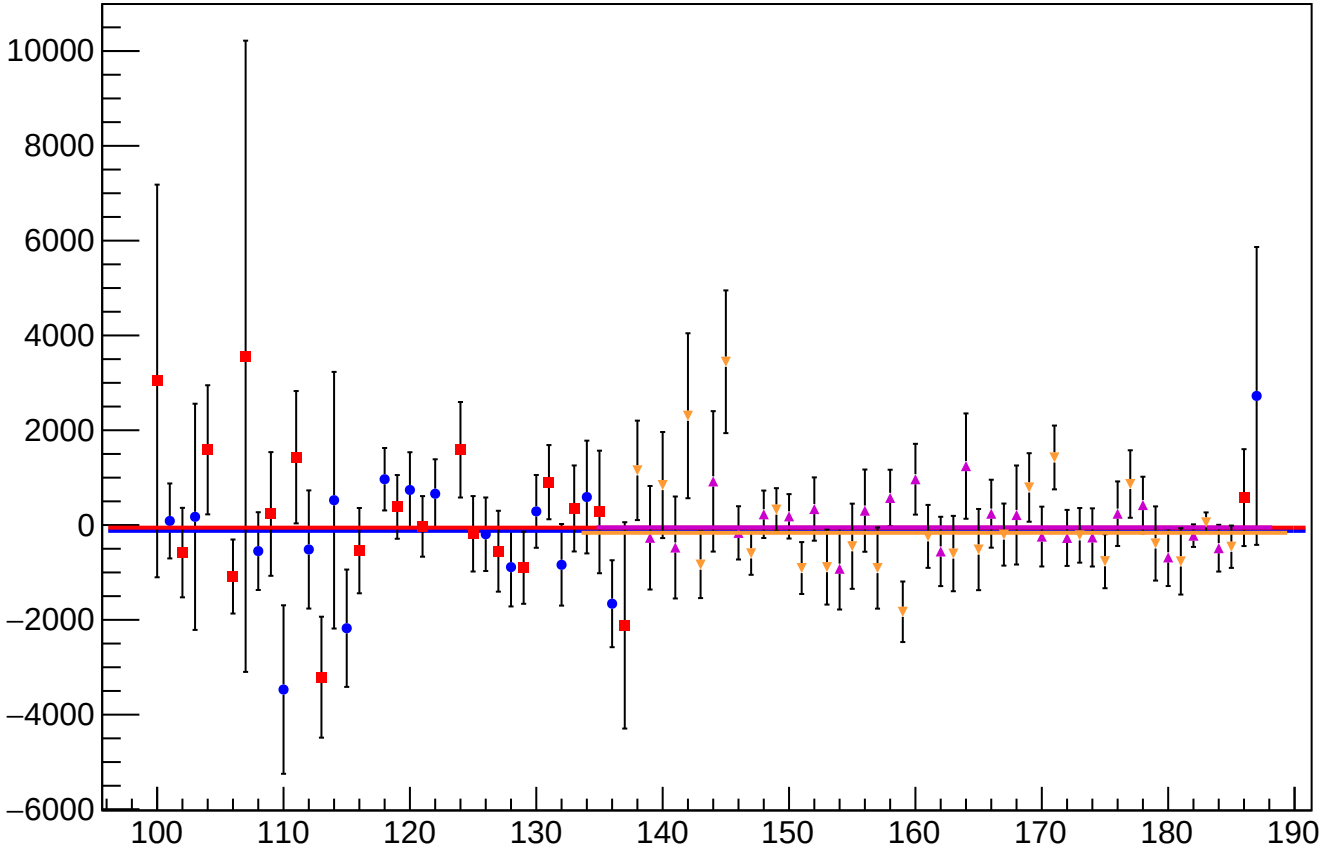
Right: 1955.535+/-0.361 χ^2/NDF: 1023411.2/36

In: 1843.458+/-0.258 χ^2/NDF:683245.4/39

Out: 1857.022+/-0.253 χ^2/NDF:467339.4/44

All: 1850.382+/-0.181 χ^2/NDF: 1151990.9/84

asym_at1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -122.188+/-229.765 χ^2/NDF: 17.7/16

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -55.071+/-216.830 χ^2/NDF: 19.7/19

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

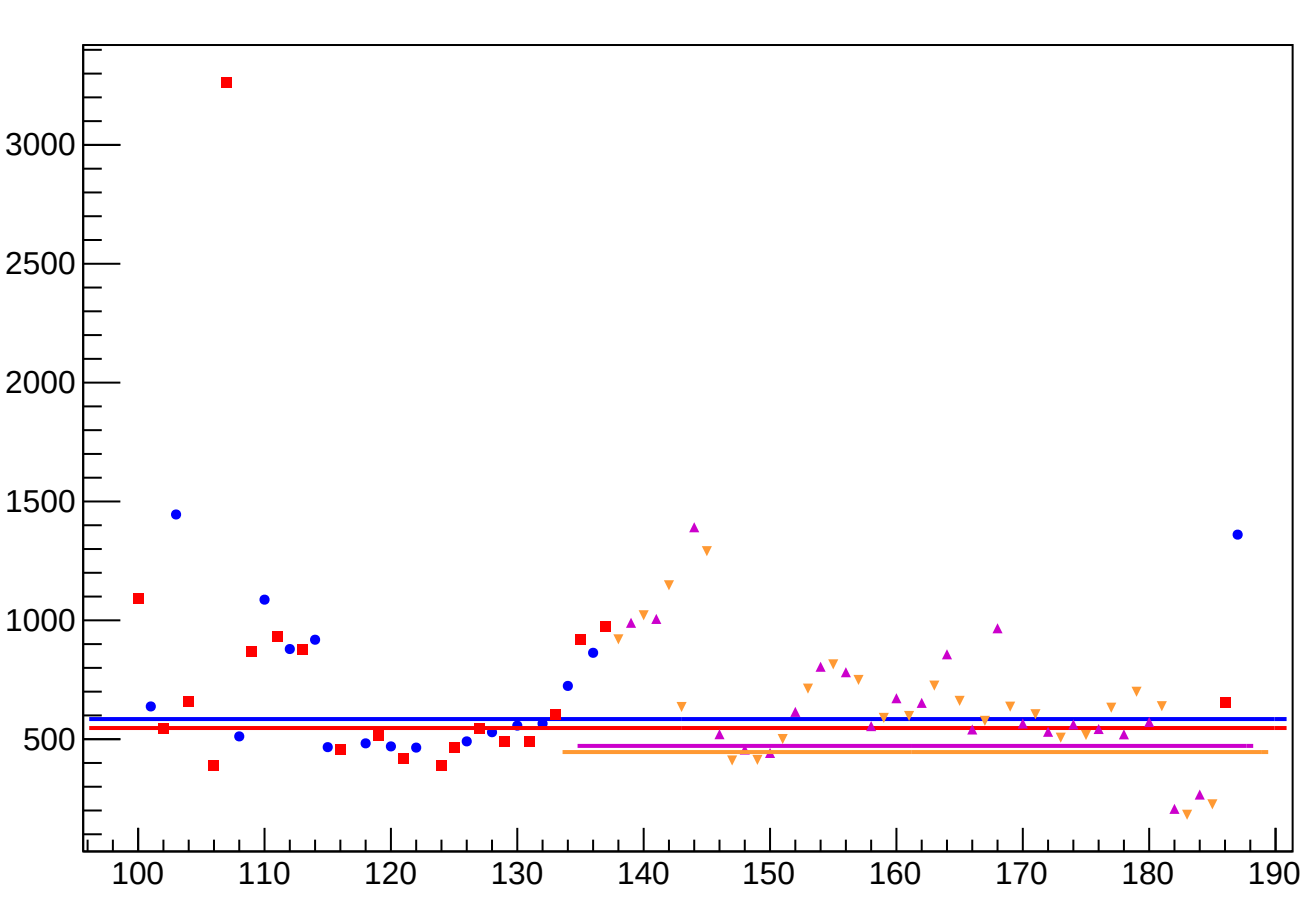
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

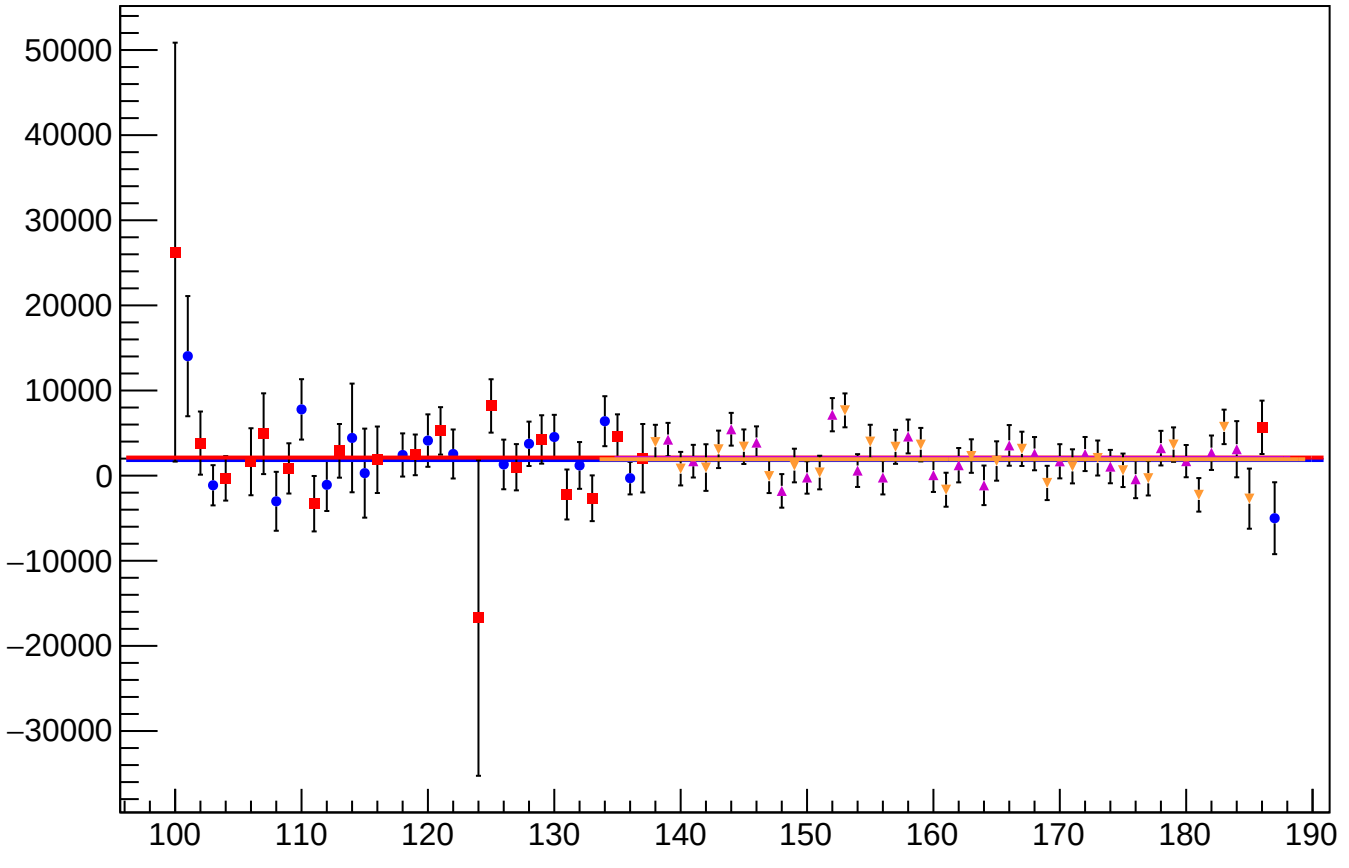
Right: -86.687+/-157.697 χ^2/NDF: 37.4/36

In: -65.480+/-108.229 χ^2/NDF:29.1/39

Out: -139.143+/-101.796 χ^2/NDF:56.7/44

All: -104.566+/-74.151 χ^2/NDF: 86.1/84


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 584.690+/-0.162 χ²/NDF: 1125508.2/16
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 546.950+/-0.153 χ²/NDF: 1341518.6/19
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 564.728+/-0.112 χ²/NDF: 2495568.0/36
In: 496.815+/-0.077 χ²/NDF:7915158.9/39
Out: 468.146+/-0.072 χ²/NDF:9664245.4/44
All: 481.603+/-0.052 χ²/NDF: 17653864.4/84



Right In: 1831.222+/-725.274 χ^2/NDF: 19.1/16

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2122.848+/-717.820 χ^2/NDF: 19.8/19

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

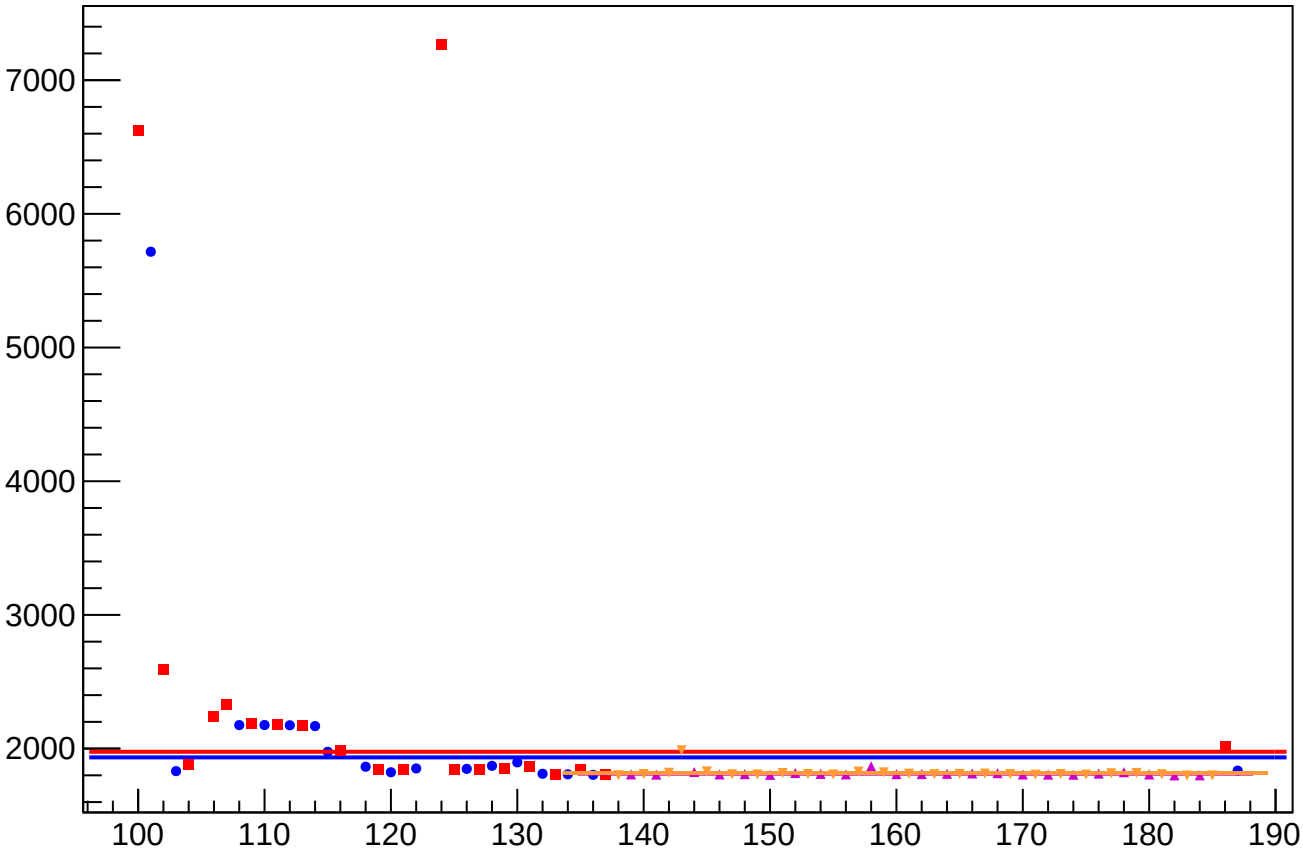
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1978.541+/-510.190 χ^2/NDF: 39.0/36

In: 2012.563+/-365.526 χ^2/NDF:45.7/39

Out: 1970.875+/-357.922 χ^2/NDF:52.4/44

All: 1991.281+/-255.735 χ^2/NDF: 98.1/84



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.4/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1976.387+/-0.508 χ^2/NDF: 380780.3/19

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

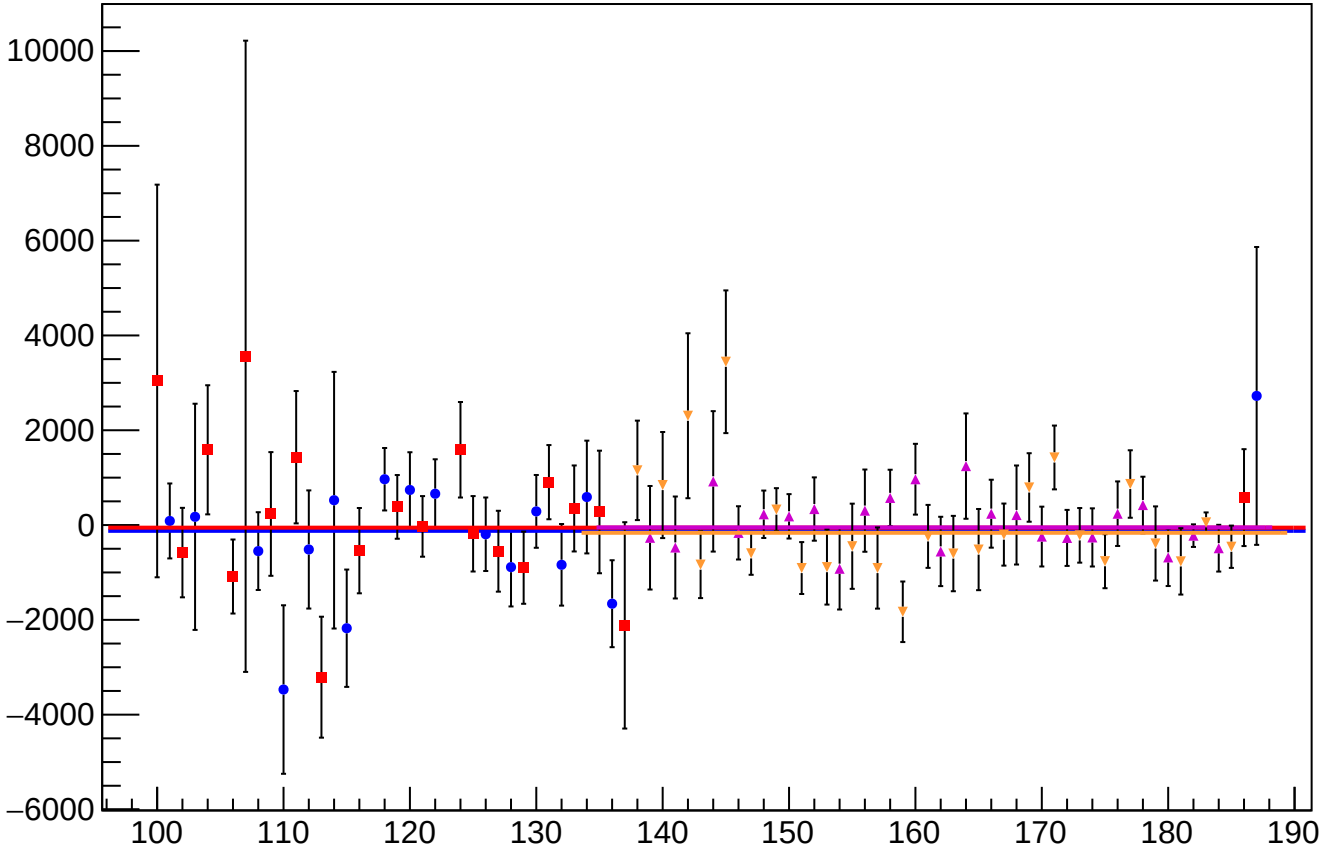
Right: 1955.535+/-0.361 χ^2/NDF: 1023411.2/36

In: 1843.458+/-0.258 χ^2/NDF:683245.4/39

Out: 1857.022+/-0.253 χ^2/NDF:467339.4/44

All: 1850.382+/-0.181 χ^2/NDF: 1151990.9/84

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -122.188+/-229.765 χ^2/NDF: 17.7/16

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -55.071+/-216.830 χ^2/NDF: 19.7/19

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

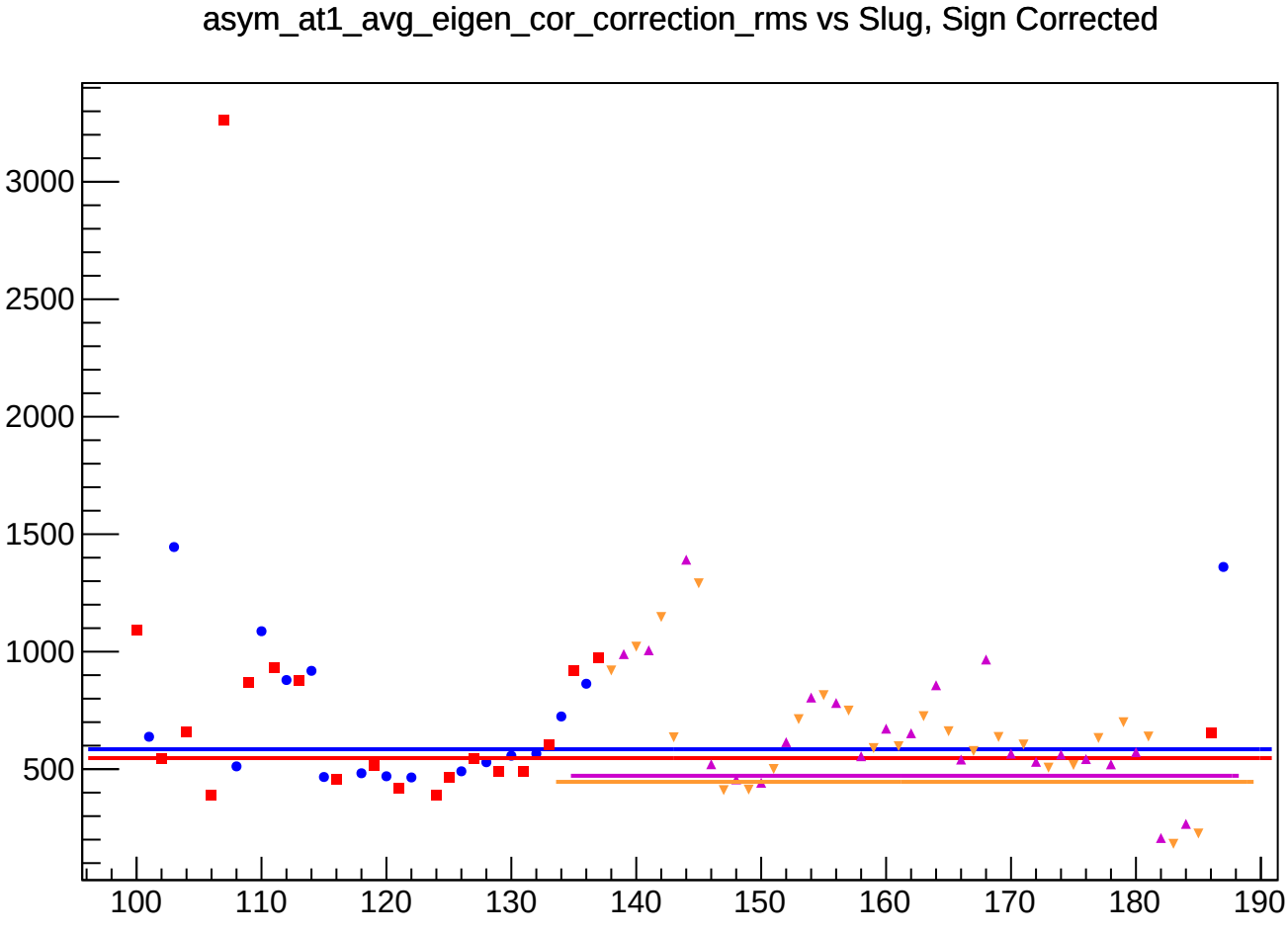
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -86.687+/-157.697 χ^2/NDF: 37.4/36

In: -65.480+/-108.229 χ^2/NDF:29.1/39

Out: -139.143+/-101.796 χ^2/NDF:56.7/44

All: -104.566+/-74.151 χ^2/NDF: 86.1/84



Right In: 584.690+/-0.162 χ^2/NDF: 1125508.2/16

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 546.950+/-0.153 χ^2/NDF: 1341518.6/19

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

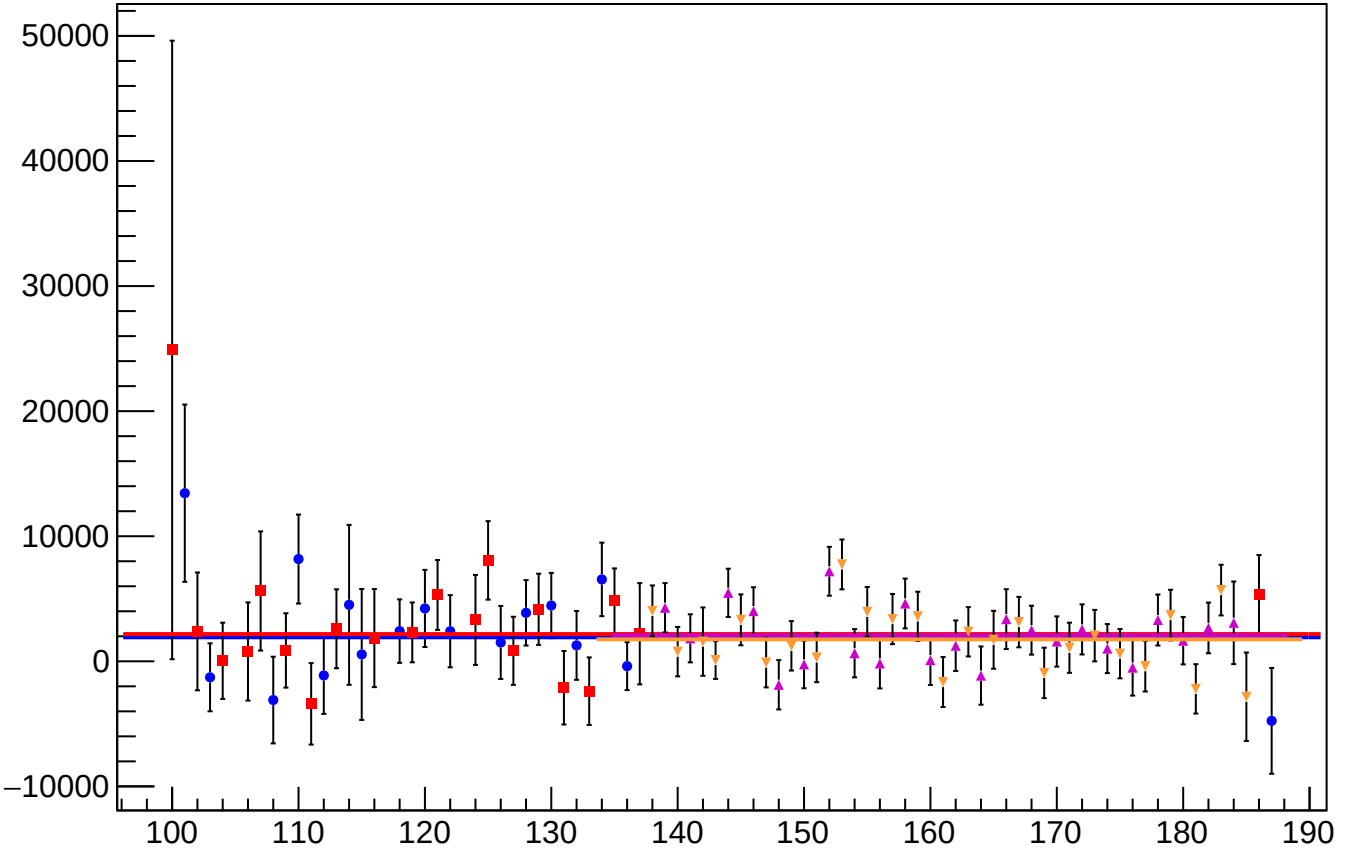
Right: 564.728+/-0.112 χ^2/NDF: 2495568.0/36

In: 496.815+/-0.077 χ^2/NDF:7915158.9/39

Out: 468.146+/-0.072 χ^2/NDF:9664245.4/44

All: 481.603+/-0.052 χ^2/NDF: 17653864.4/84

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1921.004+/-734.906 χ^2/NDF: 19.1/16

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2177.246+/-717.691 χ^2/NDF: 17.8/19

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

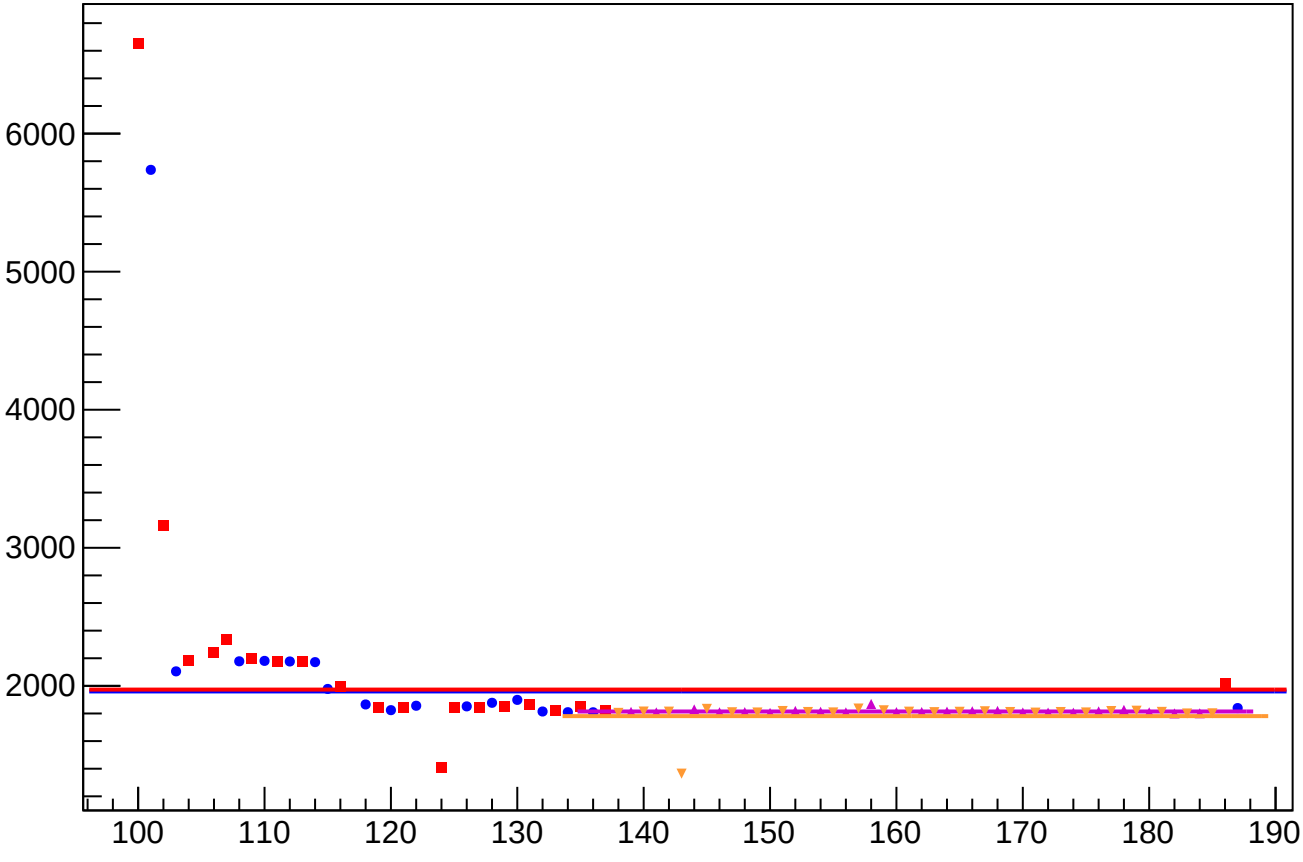
Right: 2052.161+/-513.462 χ^2/NDF: 37.0/36

In: 2035.419+/-367.030 χ^2/NDF:46.1/39

Out: 1857.513+/-352.980 χ^2/NDF:51.9/44

All: 1942.995+/-254.417 χ^2/NDF: 98.1/84

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1959.673+/-0.520 χ^2/NDF: 641922.0/16

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1973.071+/-0.507 χ^2/NDF: 345613.7/19

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

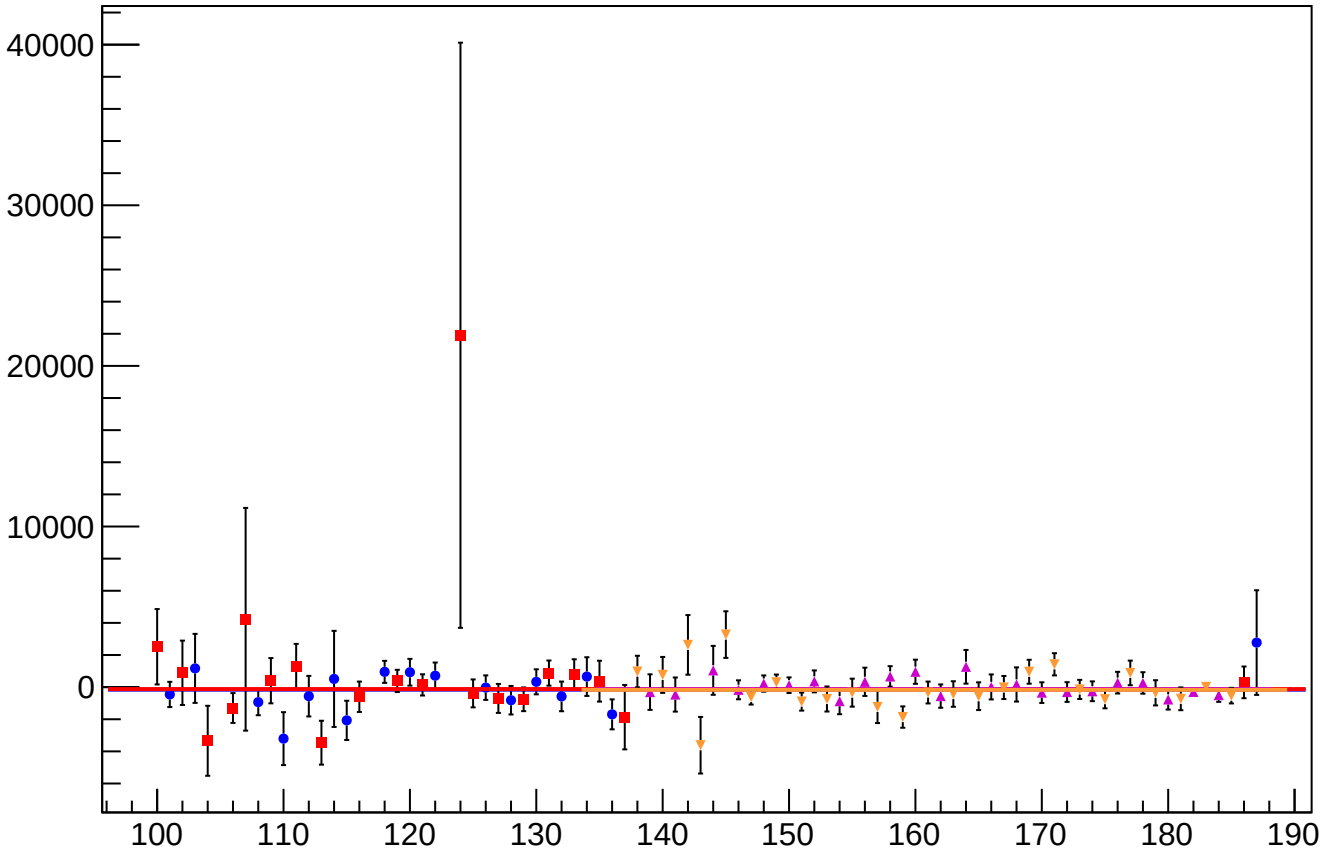
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1966.531+/-0.363 χ^2/NDF: 987875.9/36

In: 1850.660+/-0.260 χ^2/NDF:702647.3/39

Out: 1827.395+/-0.250 χ^2/NDF:619243.5/44

All: 1838.574+/-0.180 χ^2/NDF: 1326065.6/84



Right In: -155.281+/-236.288 χ^2/NDF: 18.0/16

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -122.011+/-235.799 χ^2/NDF: 20.3/19

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

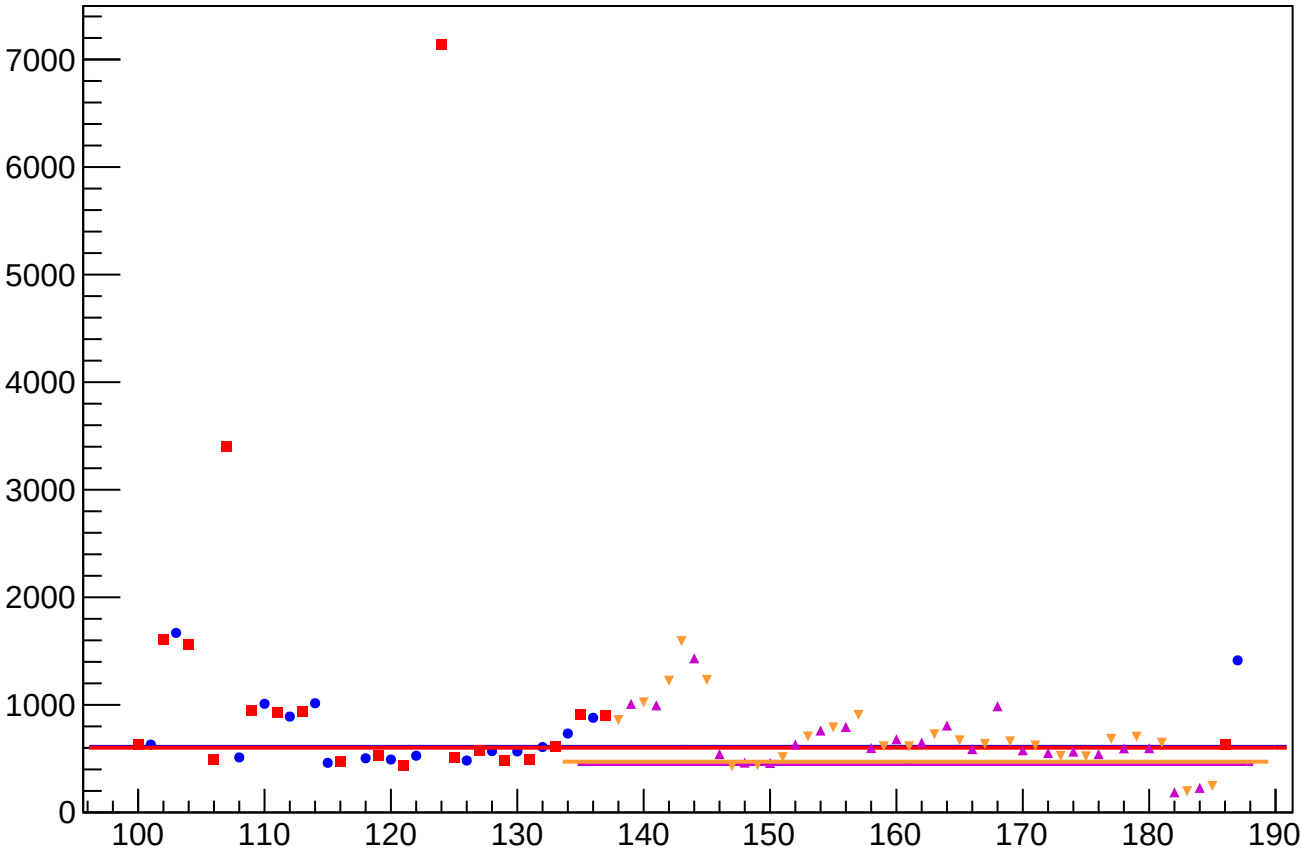
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -138.611+/-166.908 χ^2/NDF: 38.4/36

In: -124.993+/-106.831 χ^2/NDF:30.4/39

Out: -158.263+/-108.095 χ^2/NDF:58.7/44

All: -141.432+/-75.984 χ^2/NDF: 89.1/84



Right In: 609.683+/-0.167 χ^2/NDF: 1284982.2/16

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 602.216+/-0.167 χ^2/NDF: 2330380.2/19

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

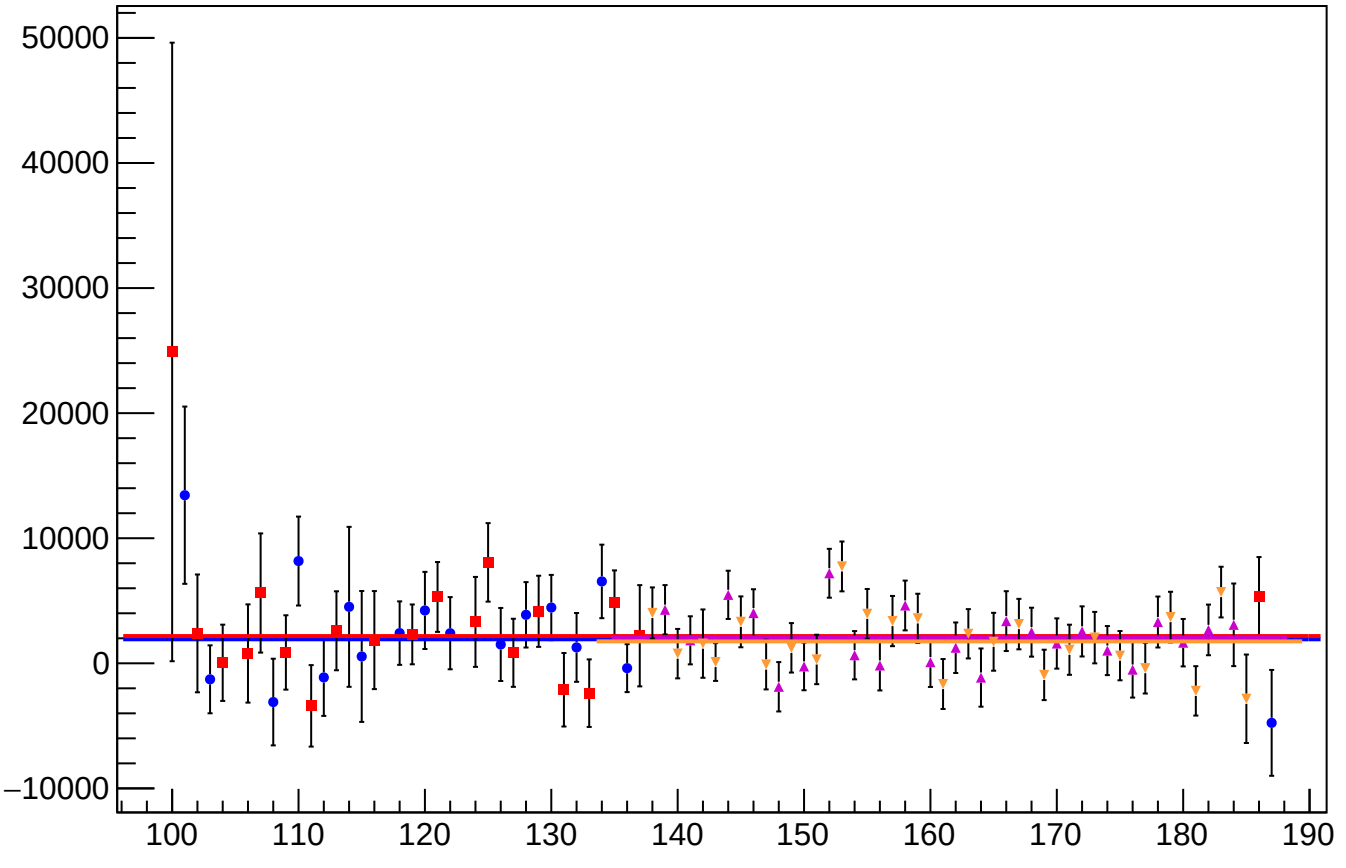
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 605.942+/-0.118 χ^2/NDF: 3616363.0/36

In: 483.160+/-0.076 χ^2/NDF:9934087.9/39

Out: 499.189+/-0.076 χ^2/NDF:10926449.5/44

All: 491.080+/-0.054 χ^2/NDF: 20882783.7/84



Right In: 1921.002+/-734.906 χ^2/NDF: 19.1/16

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2177.244+/-717.691 χ^2/NDF: 17.8/19

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

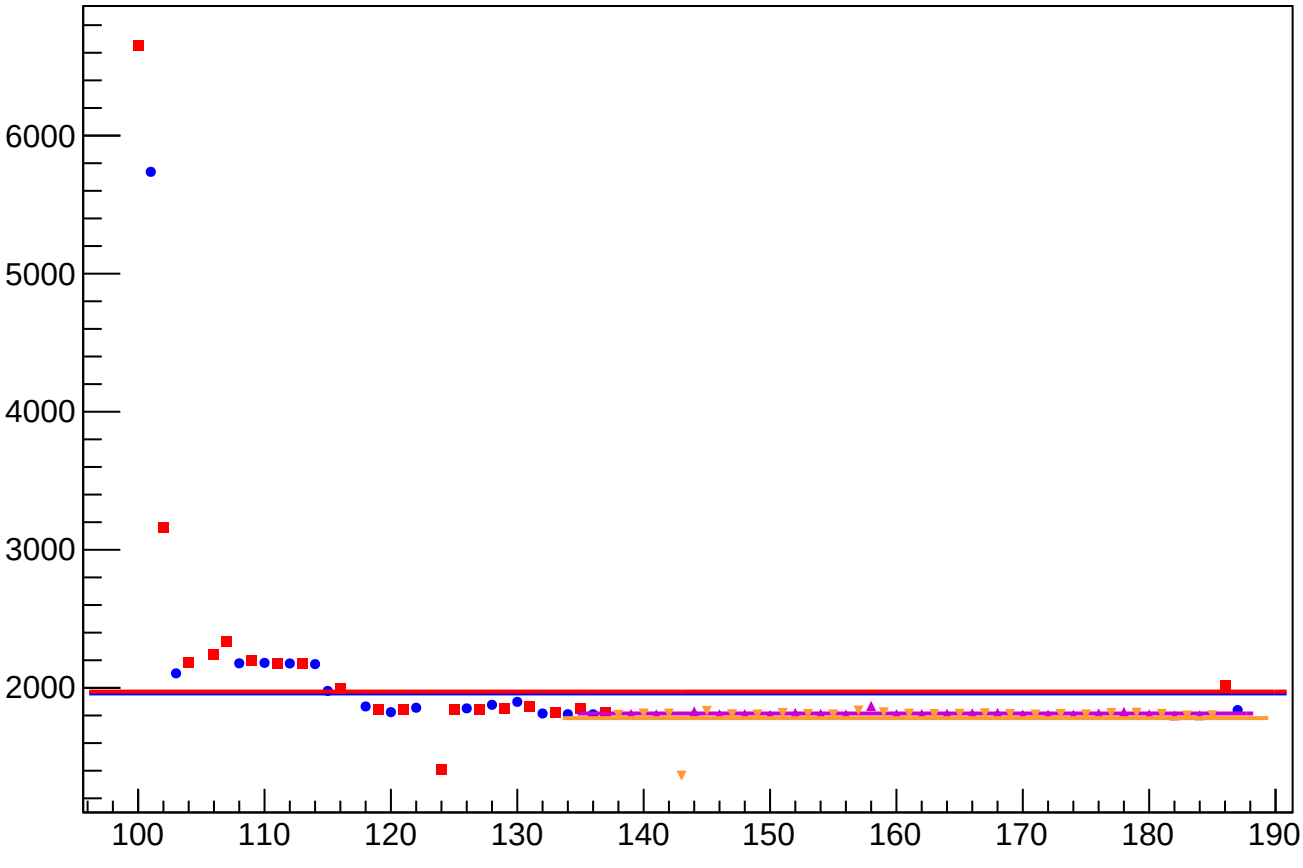
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2052.159+/-513.462 χ^2/NDF: 37.0/36

In: 2035.419+/-367.030 χ^2/NDF:46.1/39

Out: 1857.512+/-352.980 χ^2/NDF:51.9/44

All: 1942.995+/-254.417 χ^2/NDF: 98.1/84



Right In: 1959.673+/-0.520 χ^2/NDF: 641921.7/16

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1973.070+/-0.507 χ^2/NDF: 345612.4/19

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

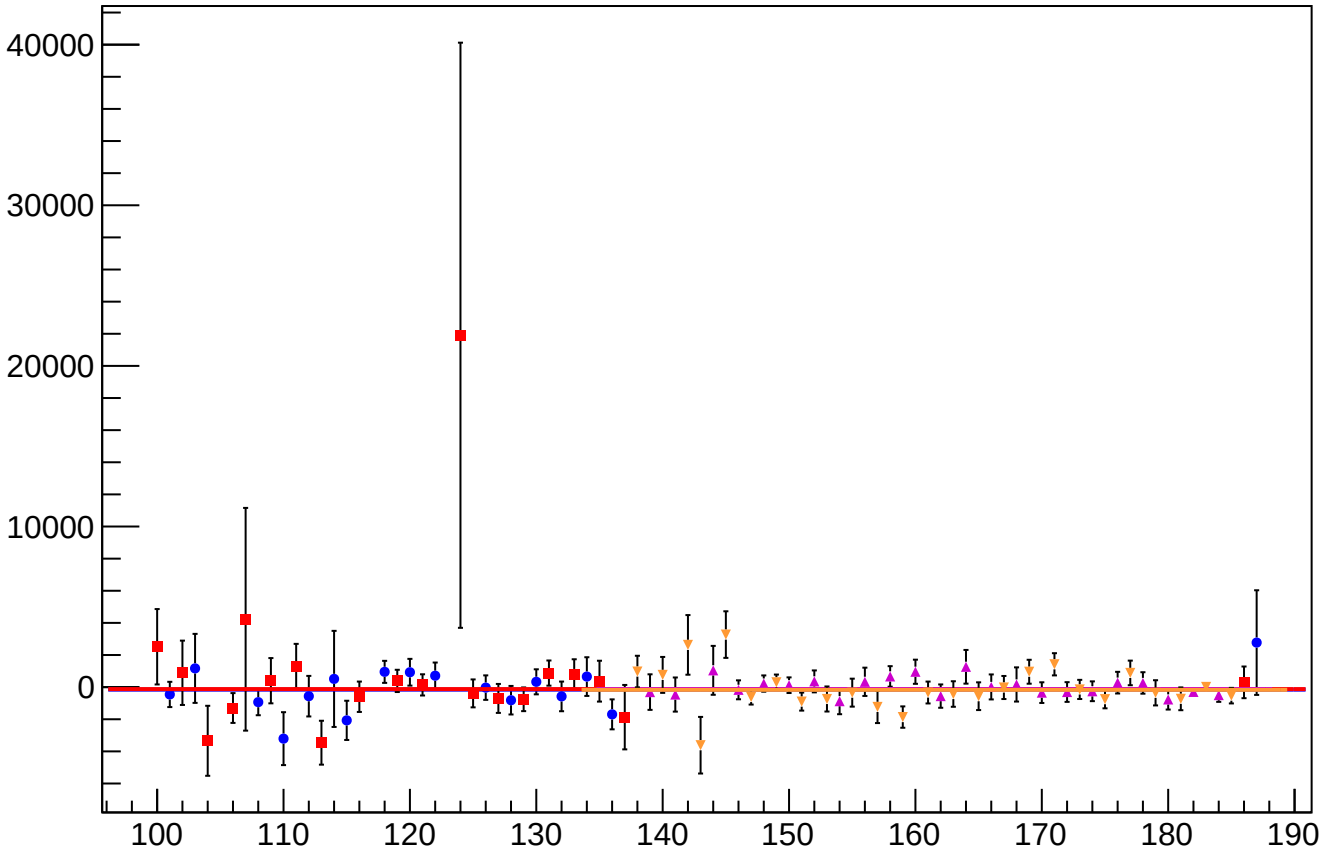
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1966.530+/-0.363 χ^2/NDF: 987874.4/36

In: 1850.660+/-0.260 χ^2/NDF:702646.8/39

Out: 1827.395+/-0.250 χ^2/NDF:619241.9/44

All: 1838.574+/-0.180 χ^2/NDF: 1326063.6/84



Right In: -155.280+/-236.288 χ^2/NDF: 18.0/16

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -122.011+/-235.799 χ^2/NDF: 20.3/19

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

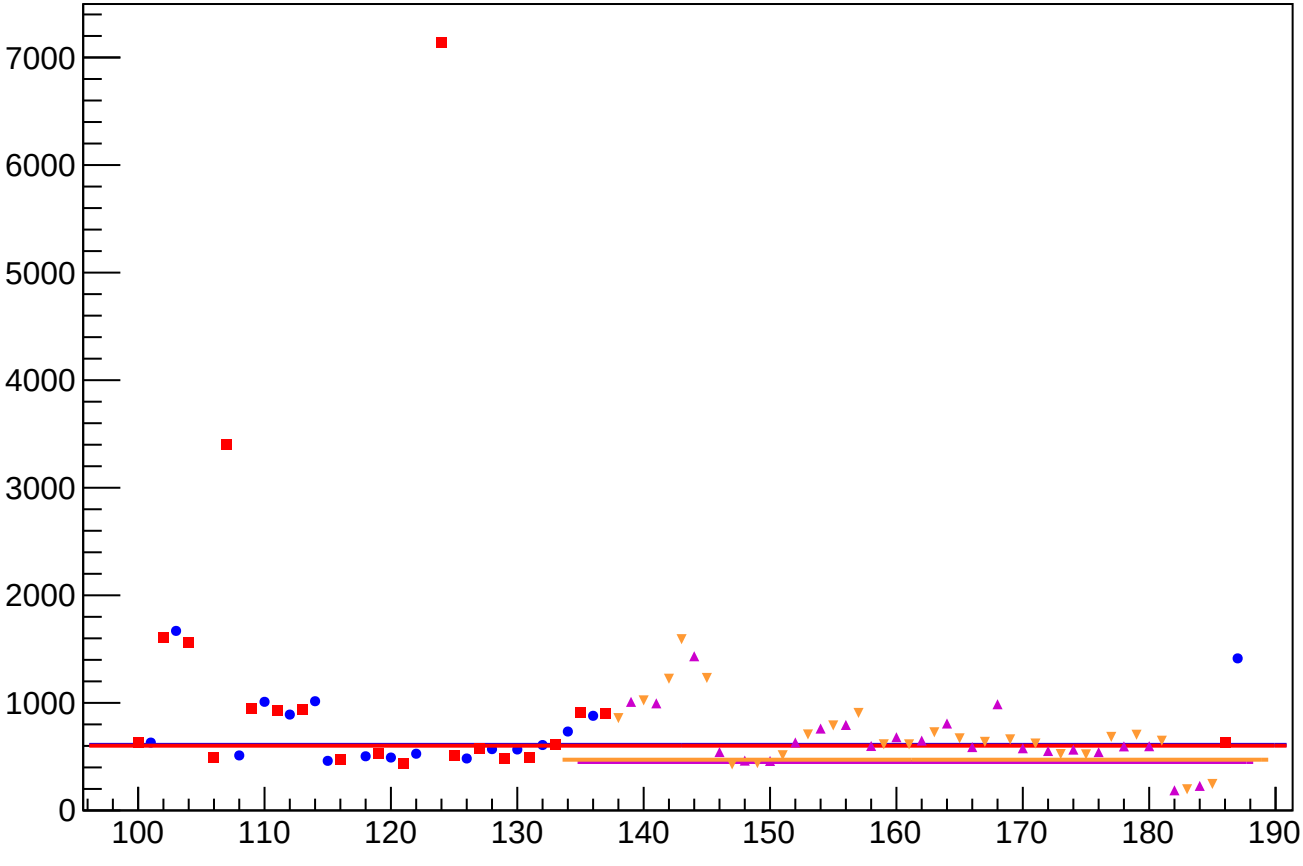
Right: -138.611+/-166.907 χ^2/NDF: 38.4/36

In: -124.993+/-106.831 χ^2/NDF:30.4/39

Out: -158.264+/-108.096 χ^2/NDF:58.7/44

All: -141.433+/-75.984 χ^2/NDF: 89.1/84

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 609.682+/-0.167 χ^2/NDF: 1284990.7/16

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 602.216+/-0.167 χ^2/NDF: 2330388.2/19

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

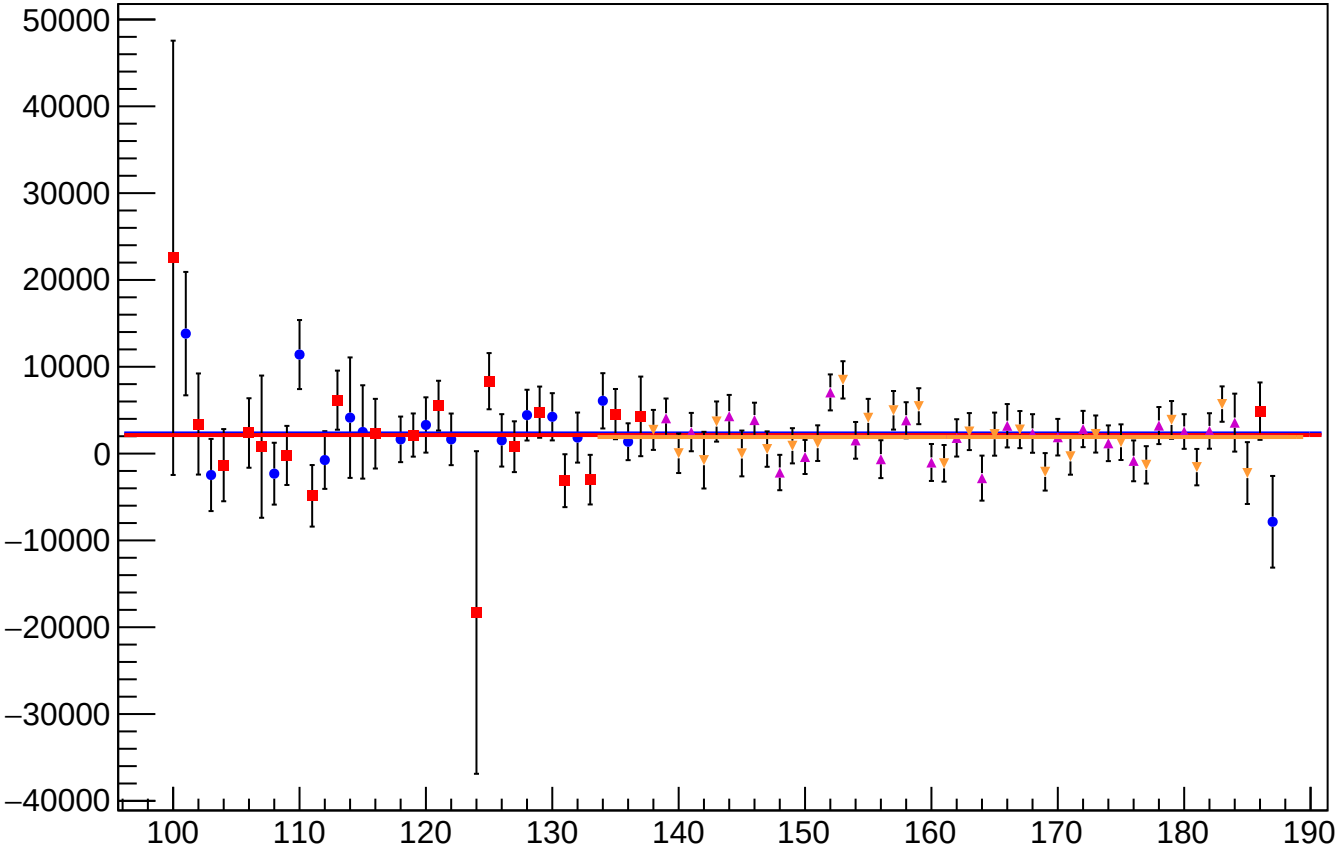
Right: 605.941+/-0.118 χ^2/NDF: 3616379.5/36

In: 483.161+/-0.076 χ^2/NDF:9934065.2/39

Out: 499.189+/-0.076 χ^2/NDF:10926446.3/44

All: 491.081+/-0.054 χ^2/NDF: 20882757.2/84

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2321.645+/-800.303 χ^2/NDF: 18.4/16

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2135.582+/-794.816 χ^2/NDF: 22.3/19

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

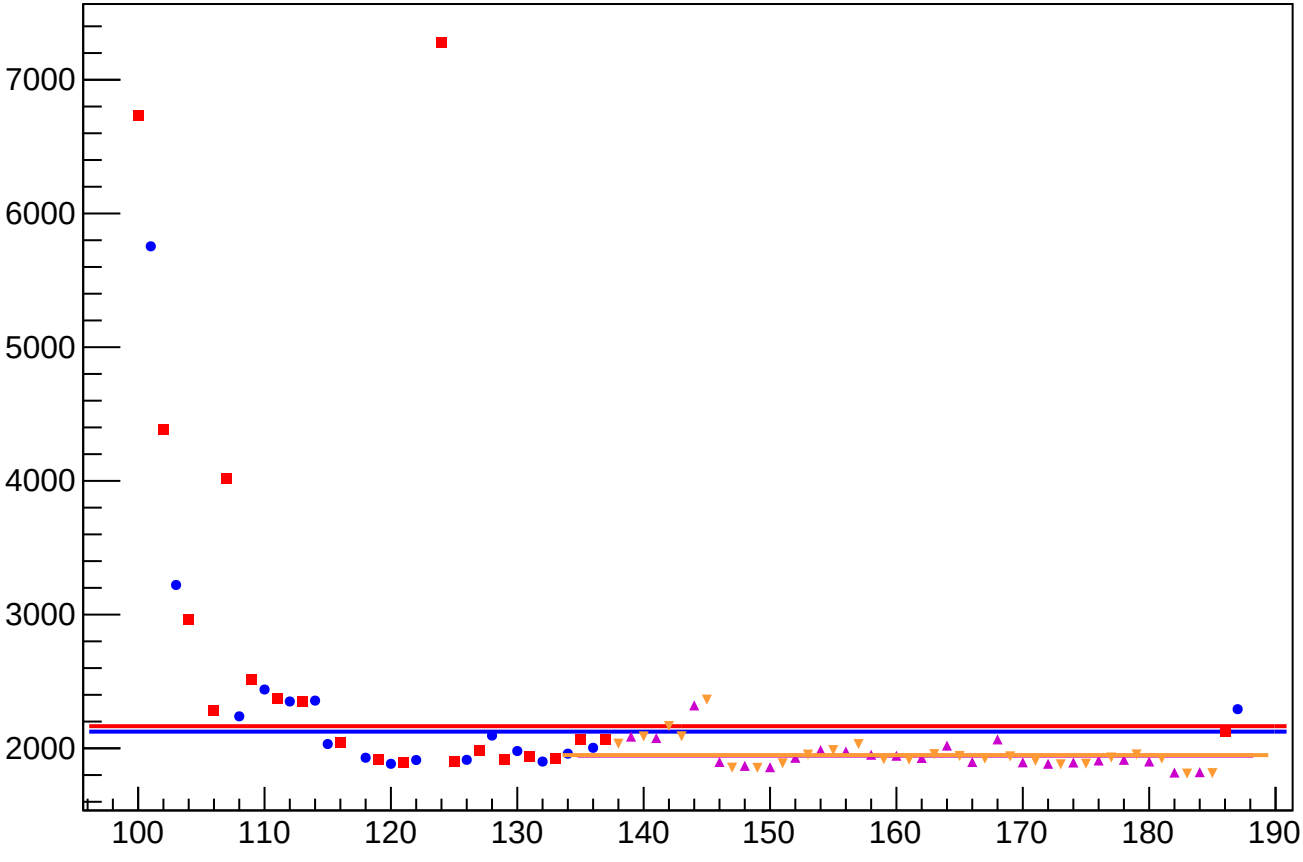
Right: 2227.974+/-563.950 χ^2/NDF: 40.8/36

In: 2023.038+/-395.464 χ^2/NDF:43.4/39

Out: 1961.558+/-387.303 χ^2/NDF:58.7/44

All: 1991.657+/-276.705 χ^2/NDF: 102.0/84

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2124.727+/-0.566 χ^2/NDF: 762040.2/16

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2165.444+/-0.562 χ^2/NDF: 824221.7/19

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

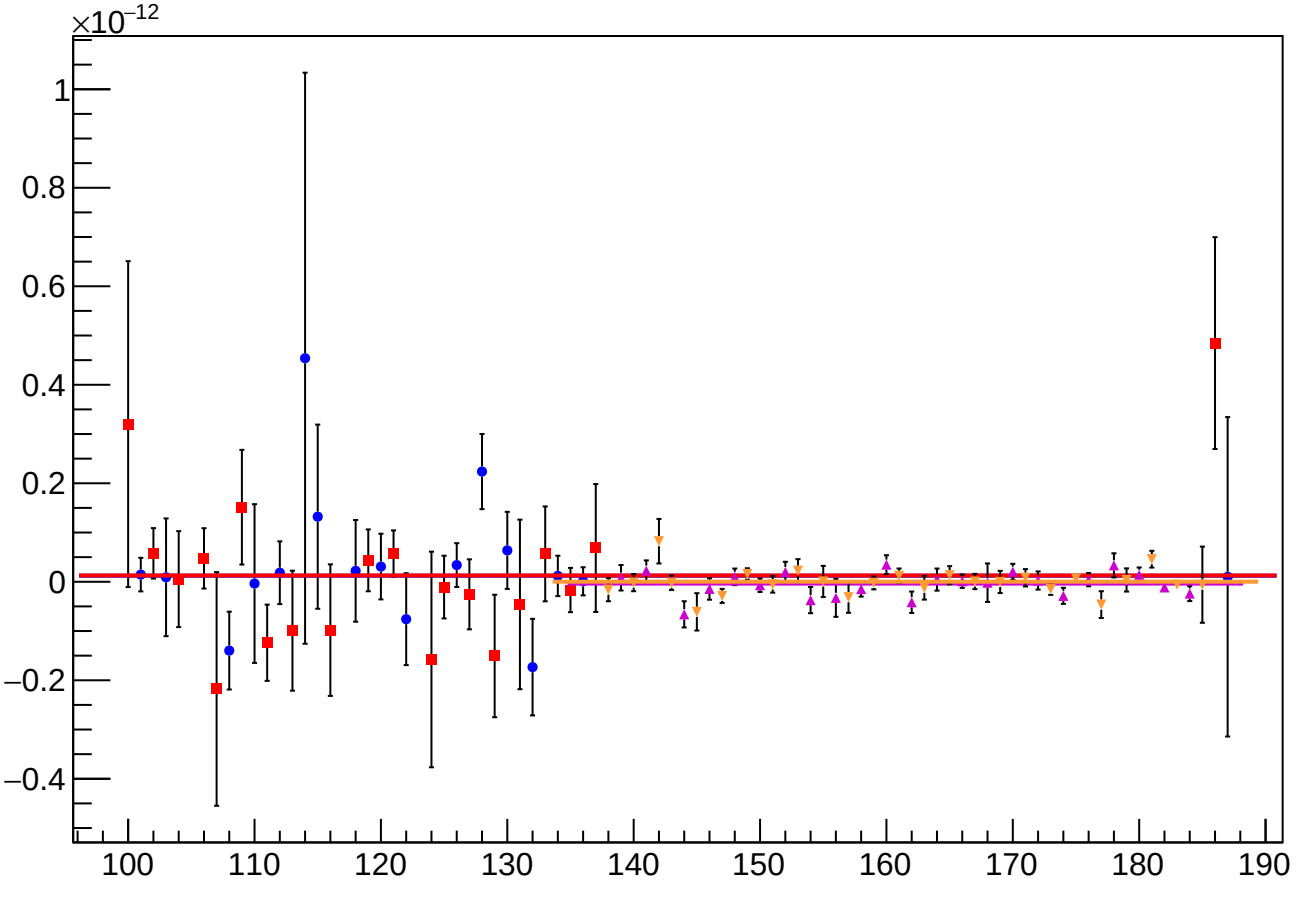
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2145.225+/-0.399 χ^2/NDF: 1588868.2/36

In: 1988.985+/-0.280 χ^2/NDF:934120.1/39

Out: 2000.395+/-0.274 χ^2/NDF:1045843.2/44

All: 1994.809+/-0.196 χ^2/NDF: 1980813.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/19

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

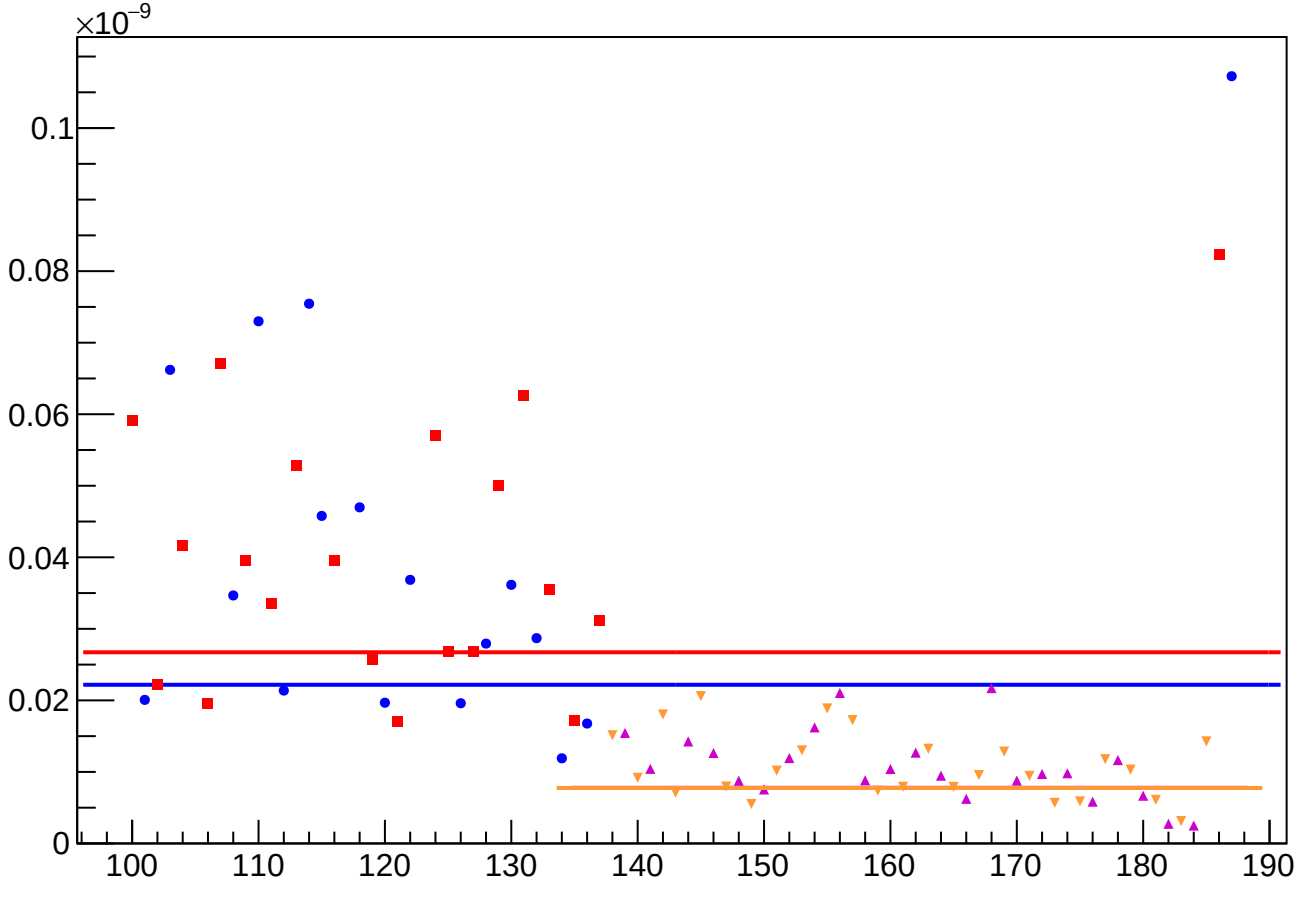
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 36.4/36

In: -0.000+/-0.000 χ^2/NDF:50.0/39

Out: 0.000+/-0.000 χ^2/NDF:47.8/44

All: -0.000+/-0.000 χ^2/NDF: 98.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 1170485.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 840200.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

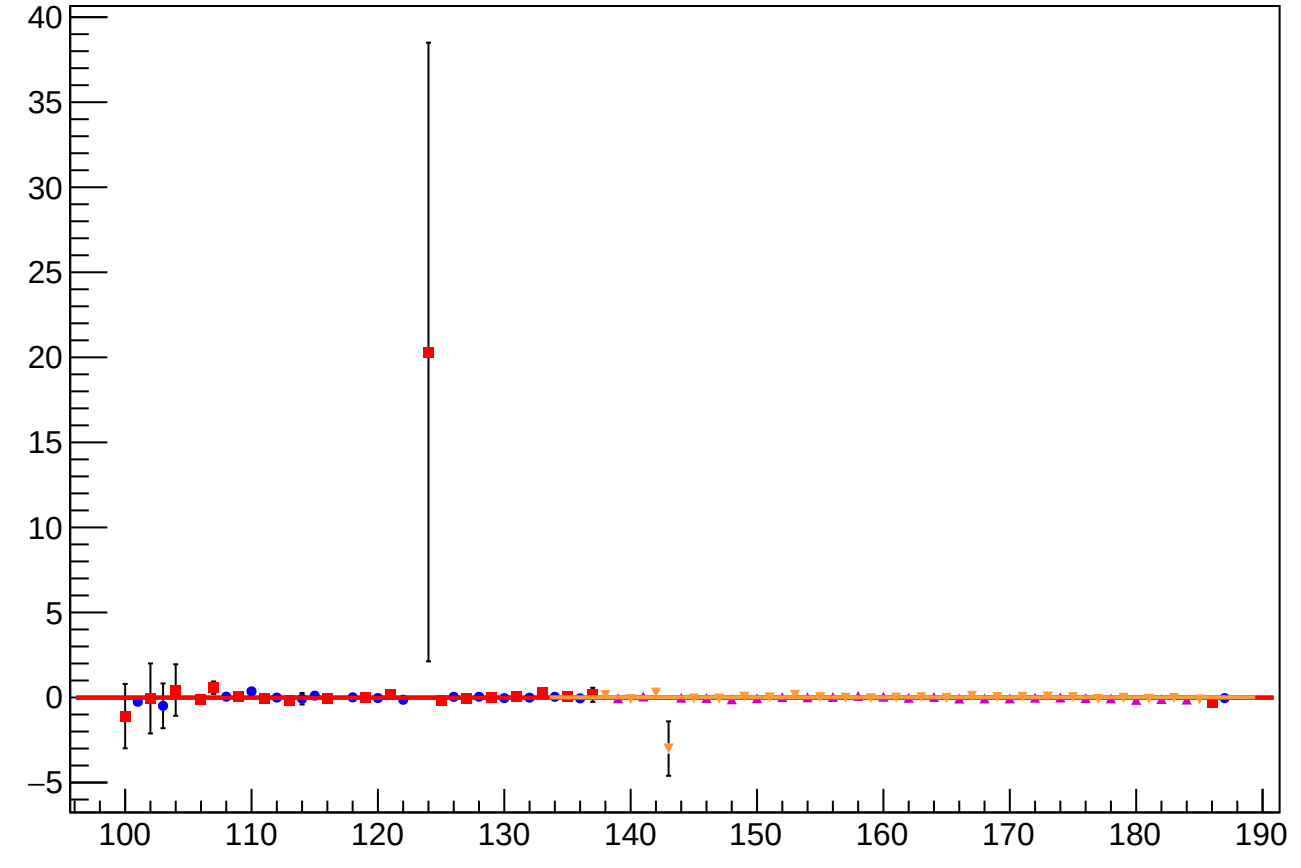
Left: 0.000+/-0.000 χ^2/NDF: 4774854.4/47

Right: 0.000+/-0.000 χ^2/NDF: 2087198.5/36

In: 0.000+/-0.000 χ^2/NDF:5595939.3/39

Out: 0.000+/-0.000 χ^2/NDF:5157129.3/44

All: 0.000+/-0.000 χ^2/NDF: 10756301.8/84



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.020+/-0.026 χ^2/NDF: 20.5/19

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

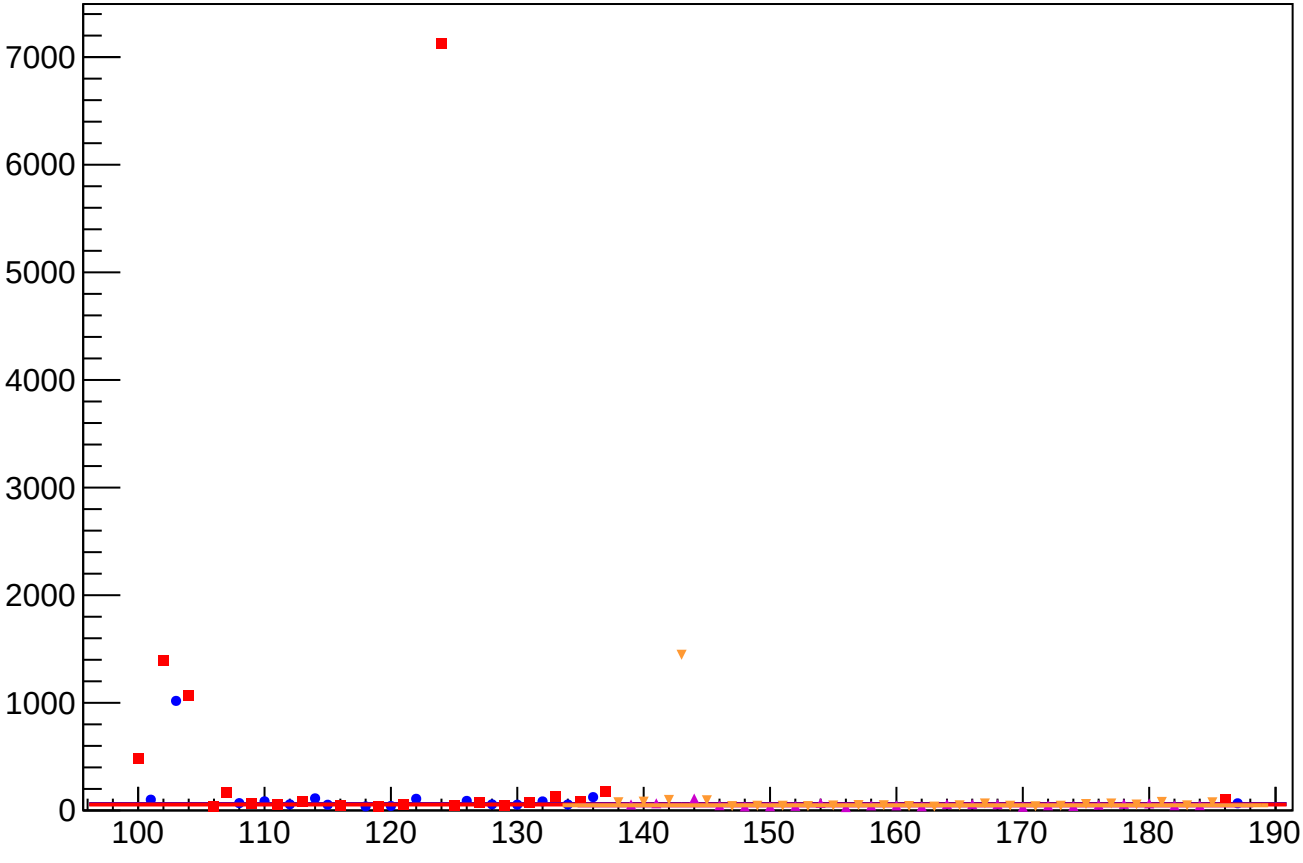
Right: -0.009+/-0.018 χ^2/NDF: 32.4/36

In: -0.014+/-0.011 χ^2/NDF:32.3/39

Out: 0.005+/-0.011 χ^2/NDF:51.4/44

All: -0.005+/-0.008 χ^2/NDF: 85.2/84

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.011+/-0.019 χ^2/NDF: 2542116.4/16

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 55.406+/-0.018 χ^2/NDF: 3690044.9/19

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

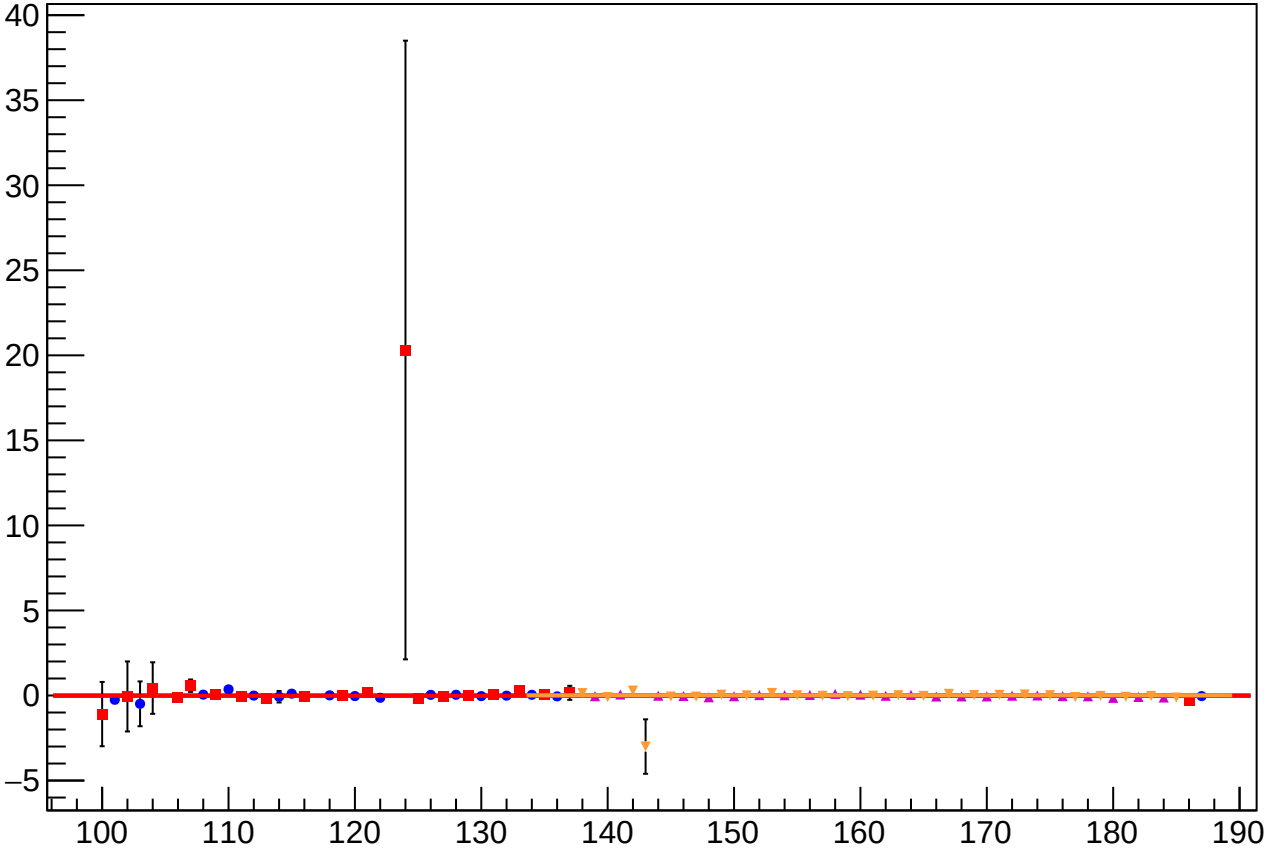
Right: 57.631+/-0.013 χ^2/NDF: 6263669.0/36

In: 49.134+/-0.008 χ^2/NDF:4905151.8/39

Out: 49.344+/-0.008 χ^2/NDF:7326569.8/44

All: 49.239+/-0.006 χ^2/NDF: 12232078.8/84

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.020+/-0.026 χ^2/NDF: 20.5/19

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

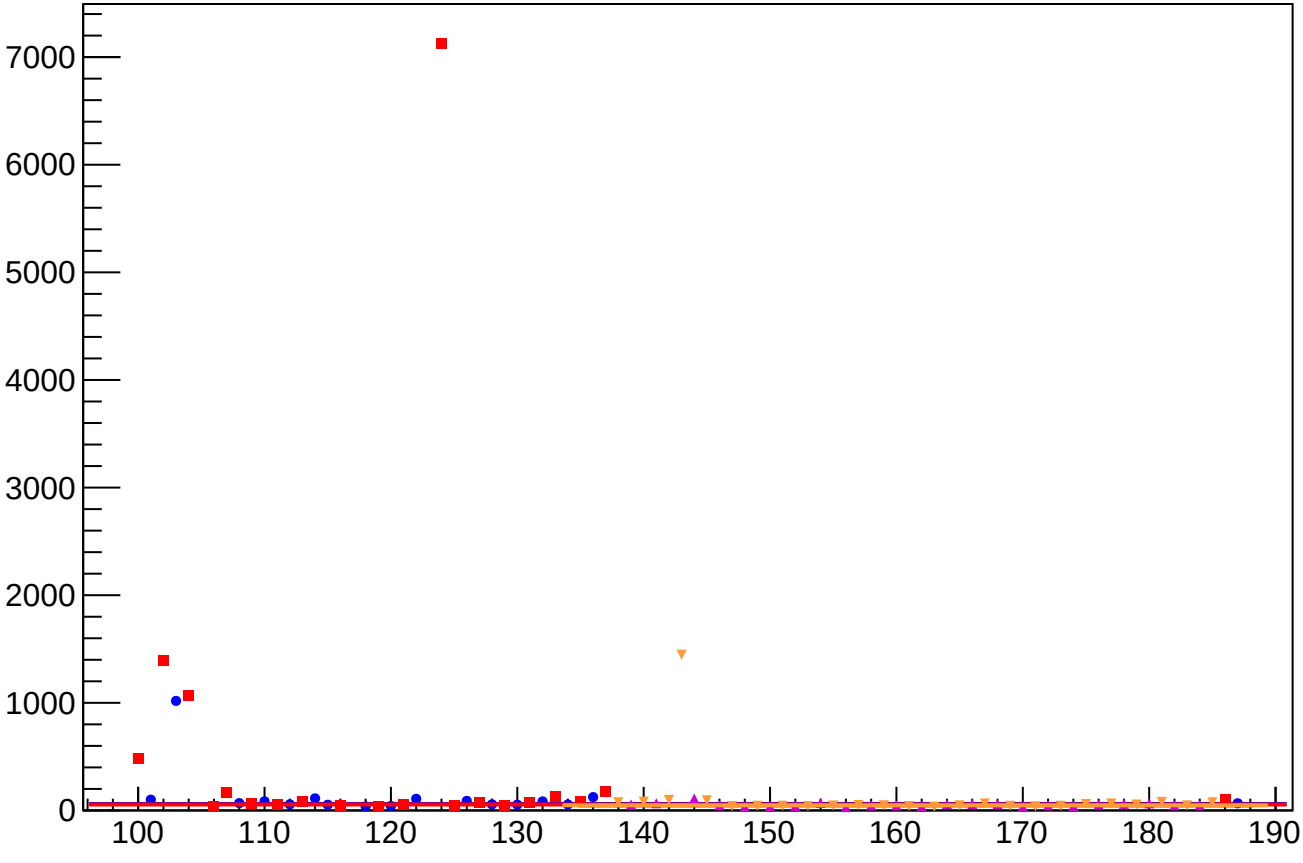
Right: -0.009+/-0.018 χ^2/NDF: 32.4/36

In: -0.014+/-0.011 χ^2/NDF:32.3/39

Out: 0.005+/-0.011 χ^2/NDF:51.4/44

All: -0.005+/-0.008 χ^2/NDF: 85.2/84

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.011+/-0.019 χ^2/NDF: 2542116.4/16

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 55.406+/-0.018 χ^2/NDF: 3690044.9/19

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

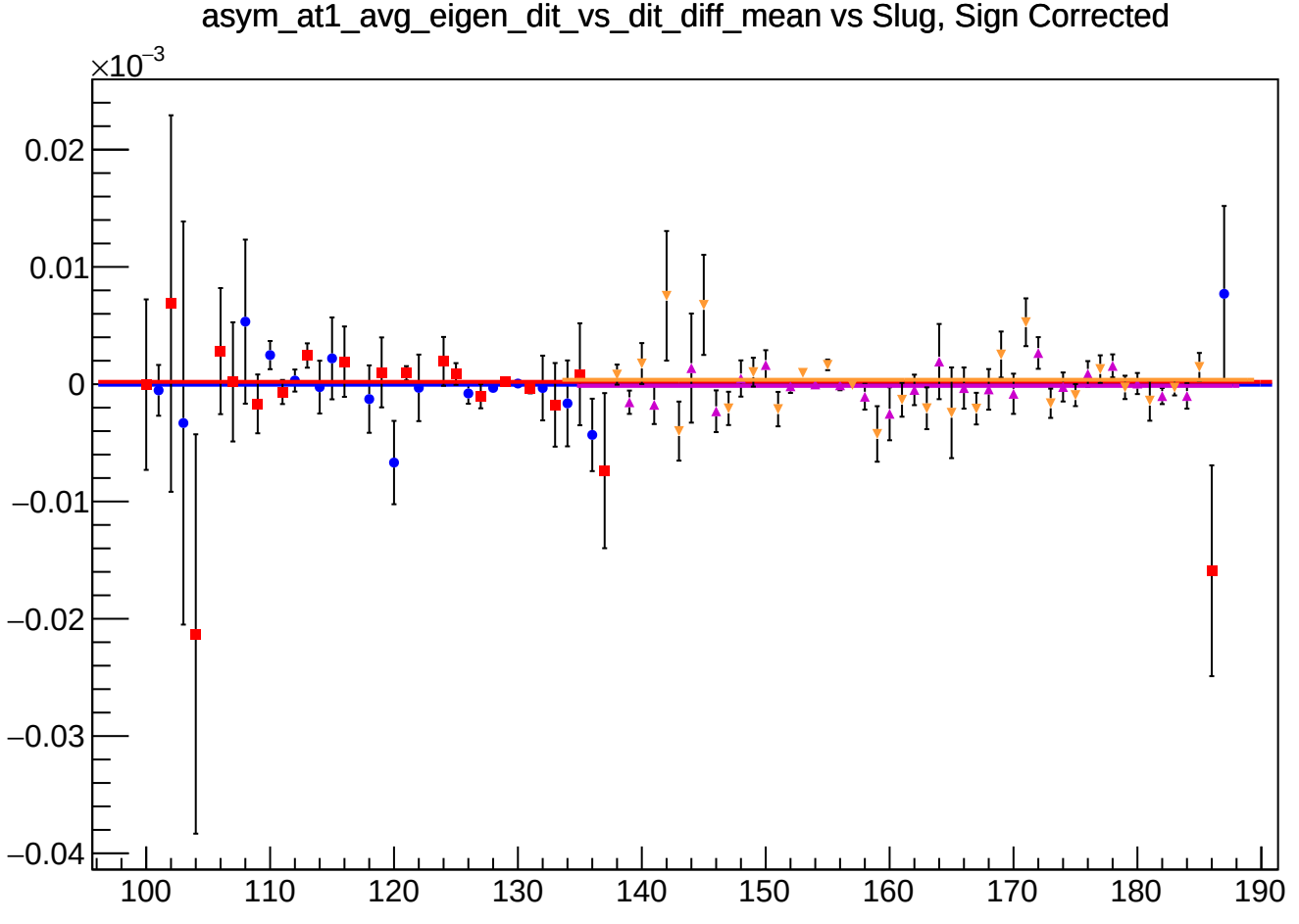
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 57.631+/-0.013 χ^2/NDF: 6263669.0/36

In: 49.134+/-0.008 χ^2/NDF:4905151.8/39

Out: 49.344+/-0.008 χ^2/NDF:7326569.8/44

All: 49.239+/-0.006 χ^2/NDF: 12232078.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

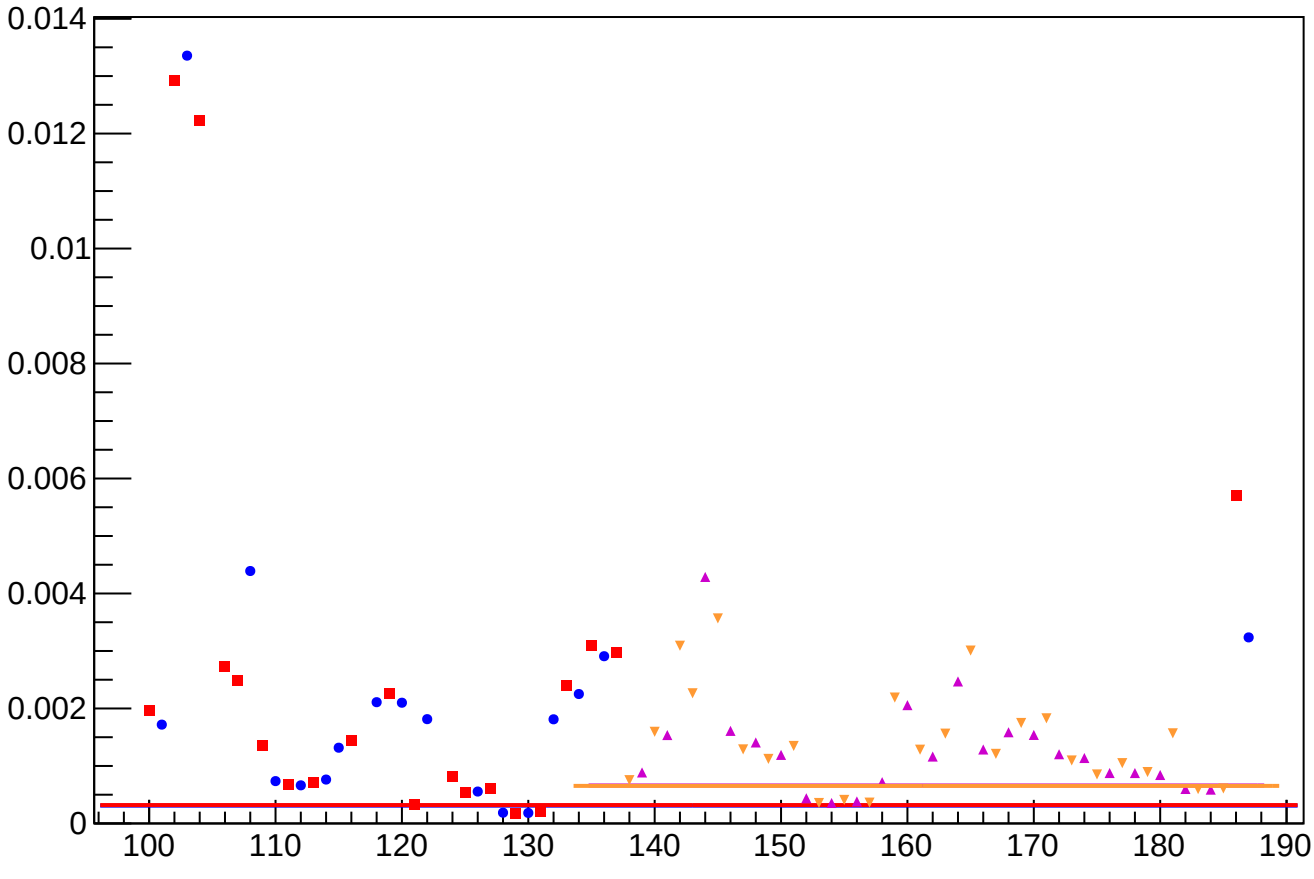
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 33.6/36

In: -0.000+/-0.000 χ^2/NDF:33.9/39

Out: 0.000+/-0.000 χ^2/NDF:71.0/44

All: 0.000+/-0.000 χ^2/NDF: 109.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 9061555.7/16

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8732251.4/19

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

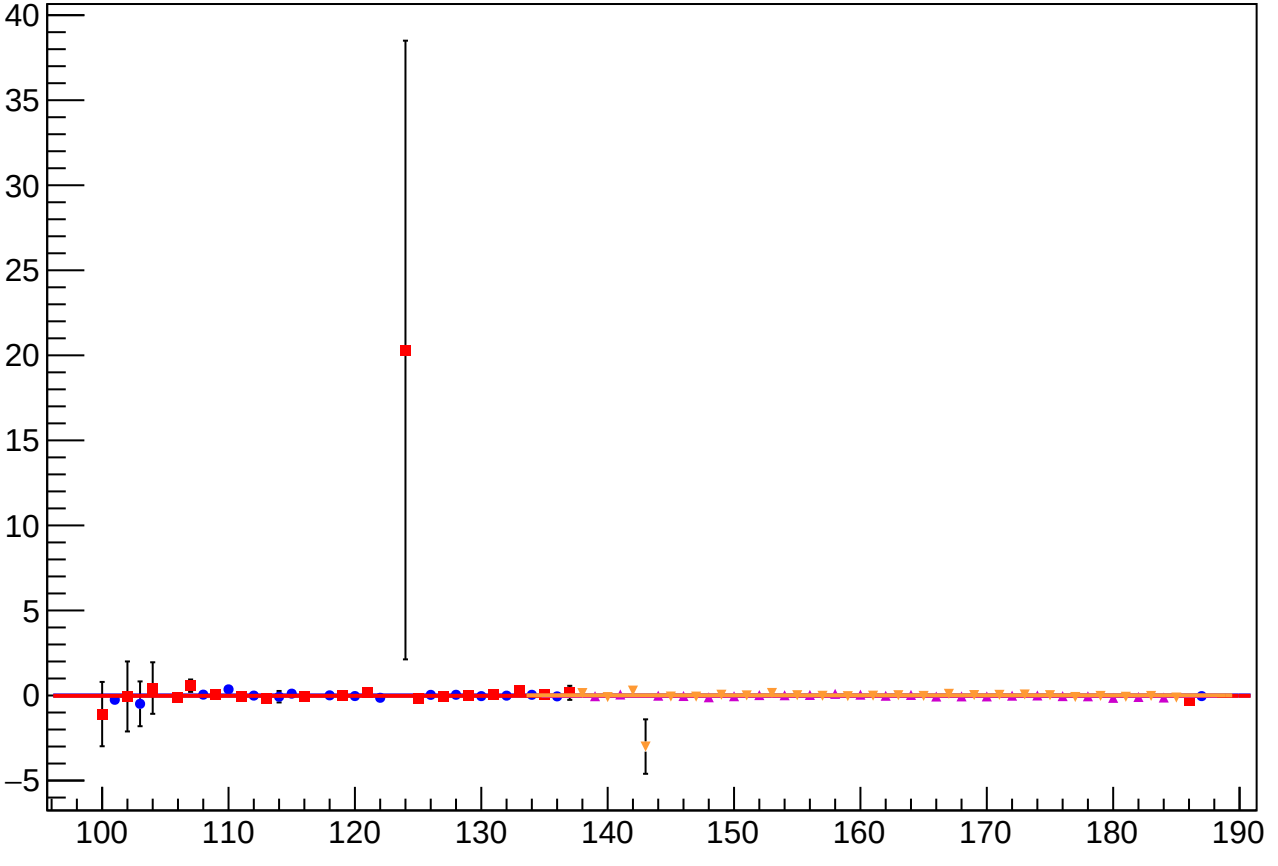
Right: 0.000+/-0.000 χ^2/NDF: 17796206.5/36

In: 0.000+/-0.000 χ^2/NDF:22137253.0/39

Out: 0.000+/-0.000 χ^2/NDF:23985137.6/44

All: 0.000+/-0.000 χ^2/NDF: 46123918.0/84

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.020+/-0.025 χ^2/NDF: 20.5/19

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

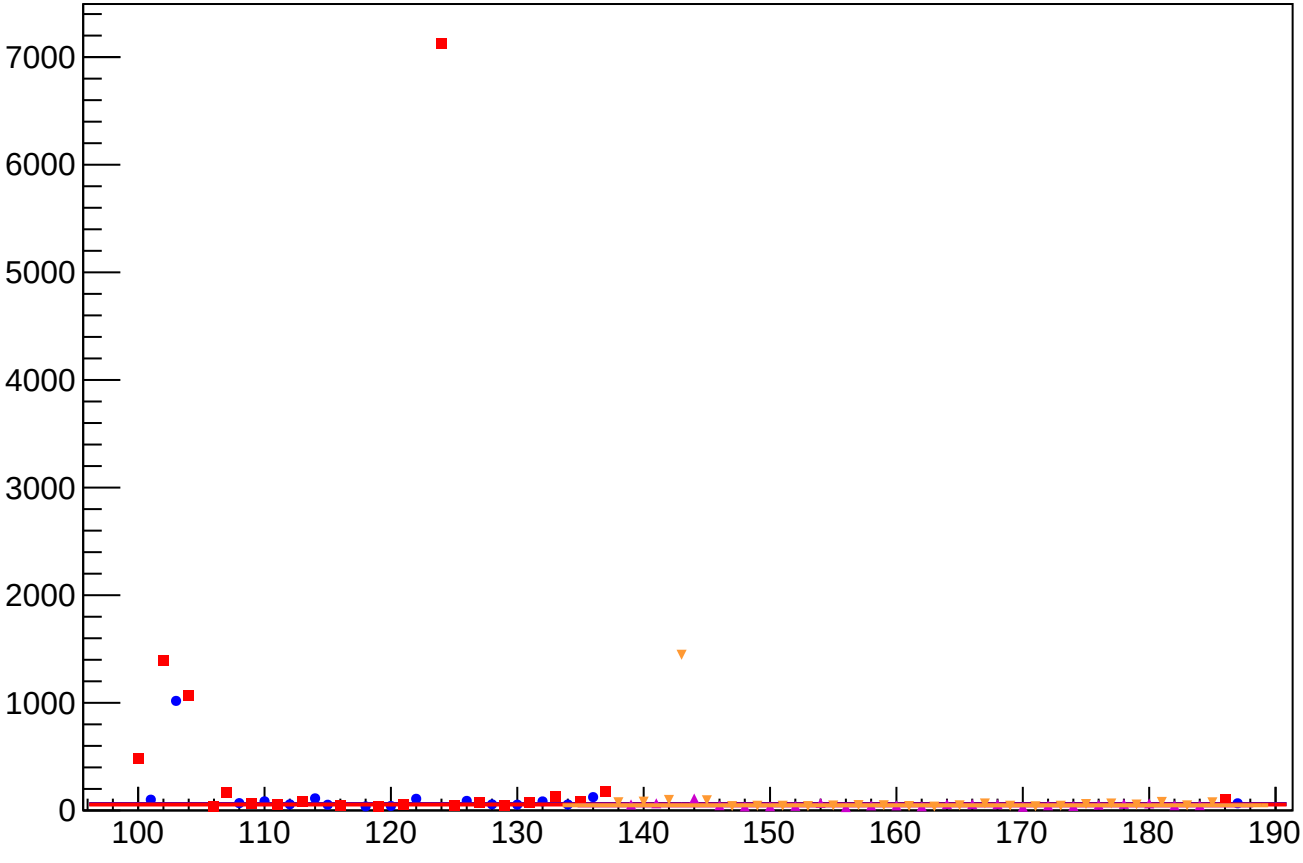
Right: -0.009+/-0.018 χ^2/NDF: 32.4/36

In: -0.014+/-0.011 χ^2/NDF:32.3/39

Out: 0.005+/-0.011 χ^2/NDF:51.4/44

All: -0.005+/-0.008 χ^2/NDF: 85.2/84

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.011+/-0.019 χ^2/NDF: 2542132.8/16

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 55.405+/-0.018 χ^2/NDF: 3690127.6/19

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

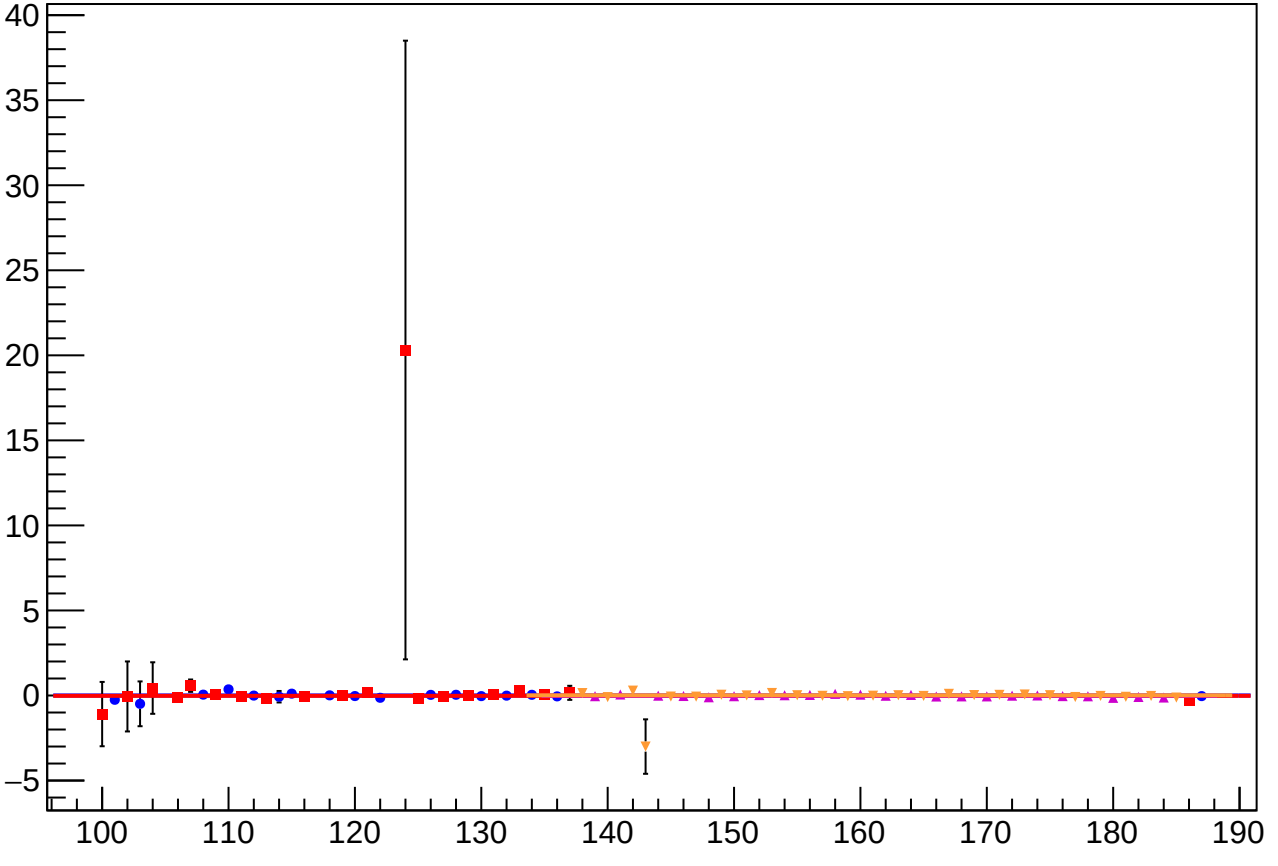
Right: 57.630+/-0.013 χ^2/NDF: 6263780.8/36

In: 49.134+/-0.008 χ^2/NDF:4905155.8/39

Out: 49.344+/-0.008 χ^2/NDF:7326583.5/44

All: 49.238+/-0.006 χ^2/NDF: 12232096.7/84

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.020+/-0.025 χ^2/NDF: 20.5/19

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

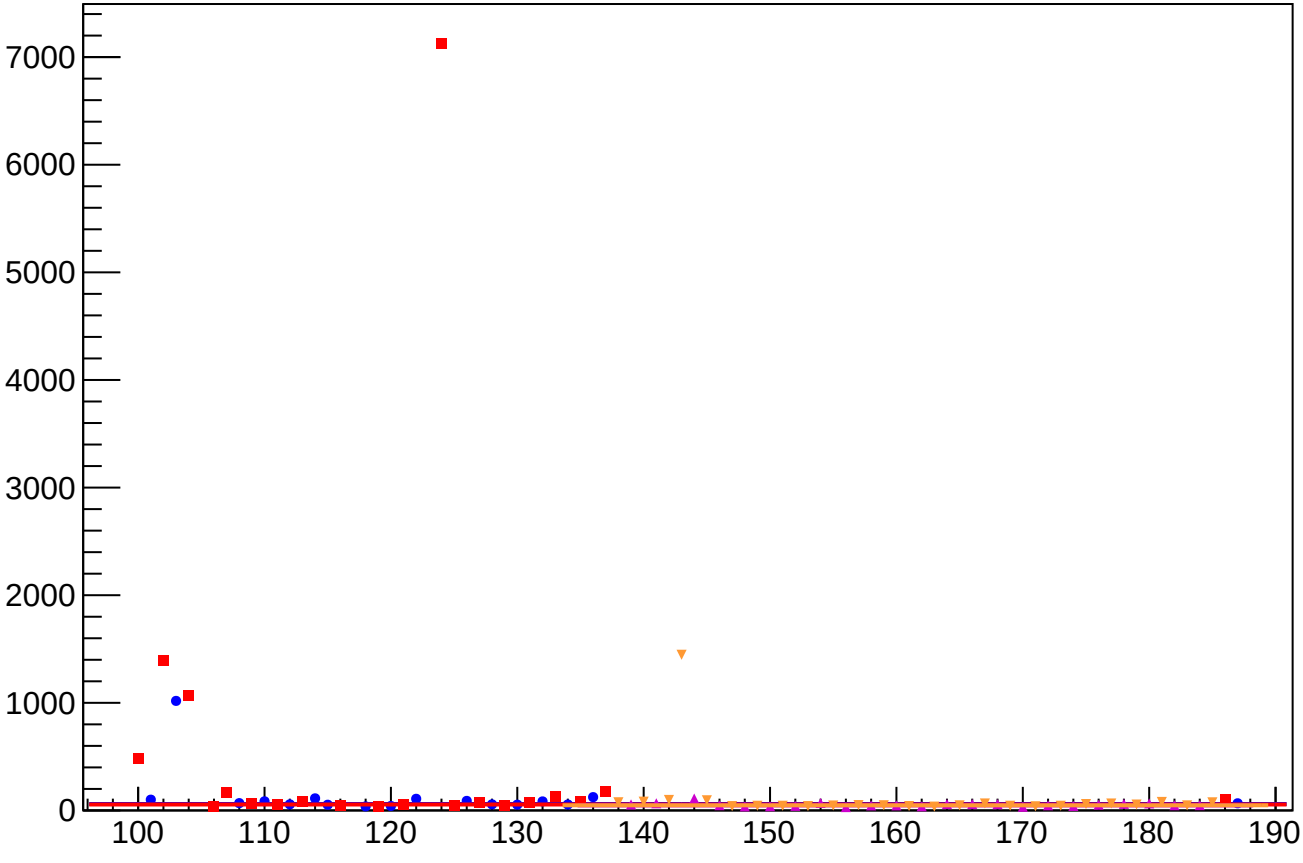
Right: -0.009+/-0.018 χ^2/NDF: 32.4/36

In: -0.014+/-0.011 χ^2/NDF:32.3/39

Out: 0.005+/-0.011 χ^2/NDF:51.4/44

All: -0.005+/-0.008 χ^2/NDF: 85.2/84

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.011+/-0.019 χ^2/NDF: 2542132.8/16

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 55.405+/-0.018 χ^2/NDF: 3690127.6/19

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

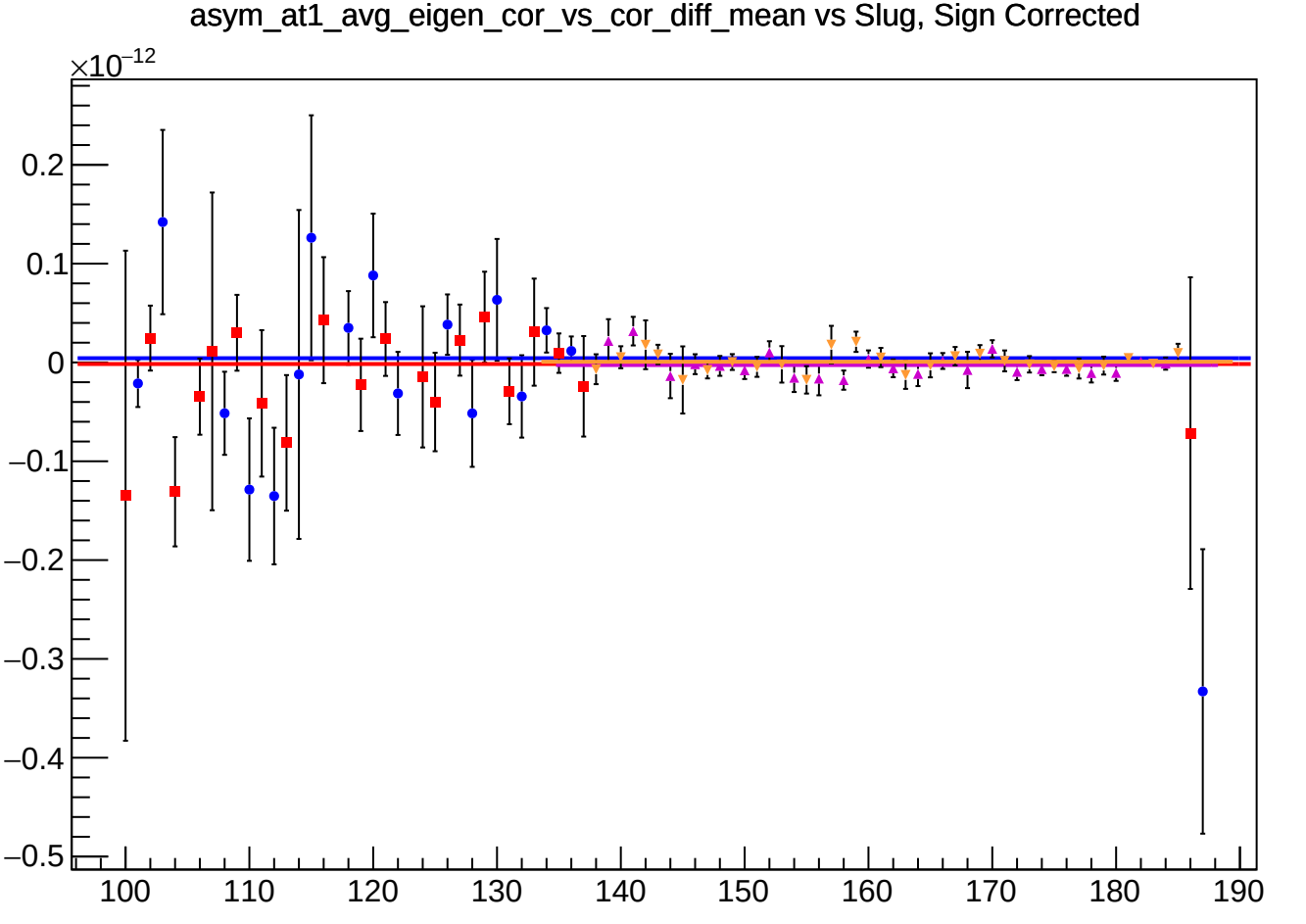
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

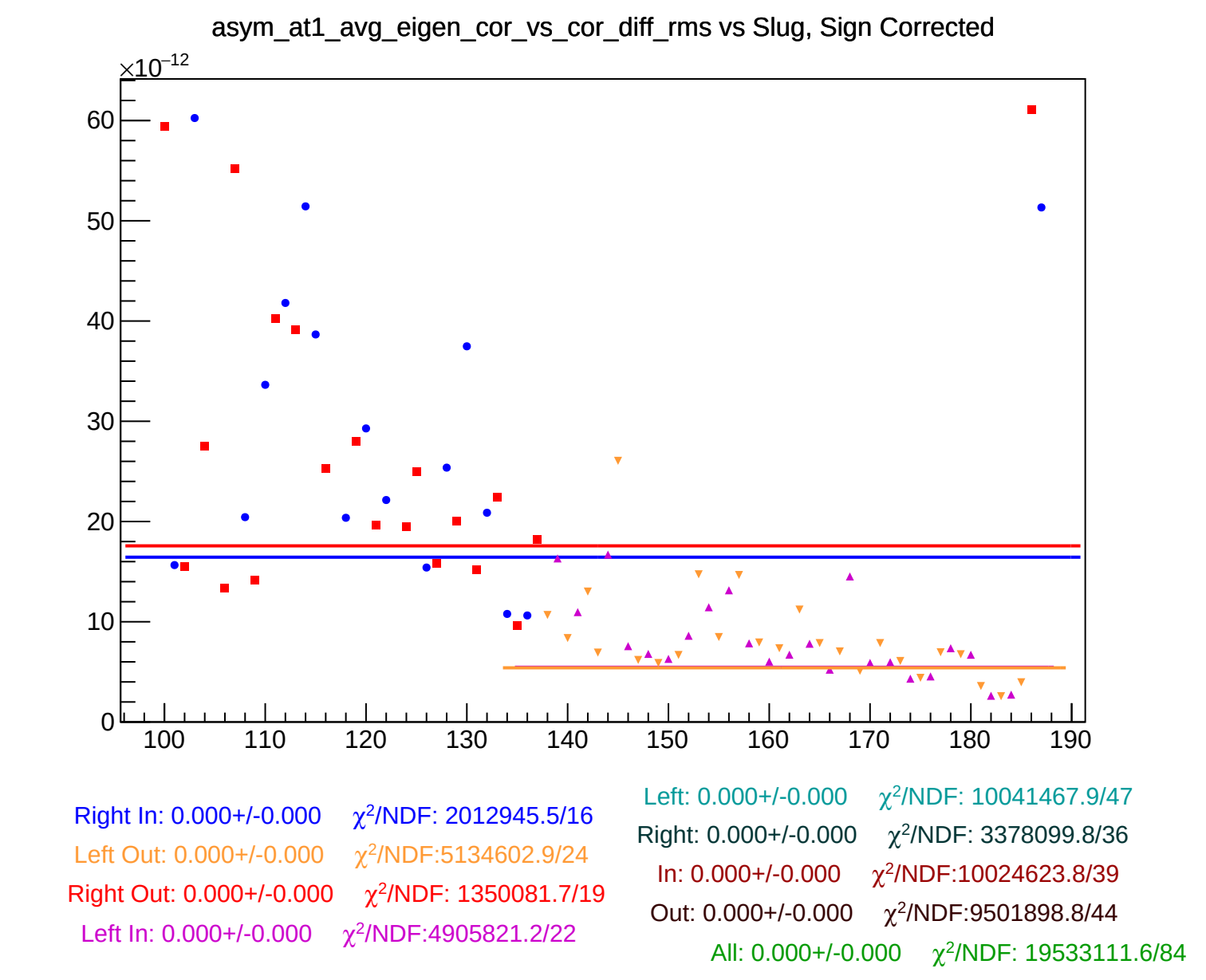
Right: 57.630+/-0.013 χ^2/NDF: 6263780.8/36

In: 49.134+/-0.008 χ^2/NDF:4905155.8/39

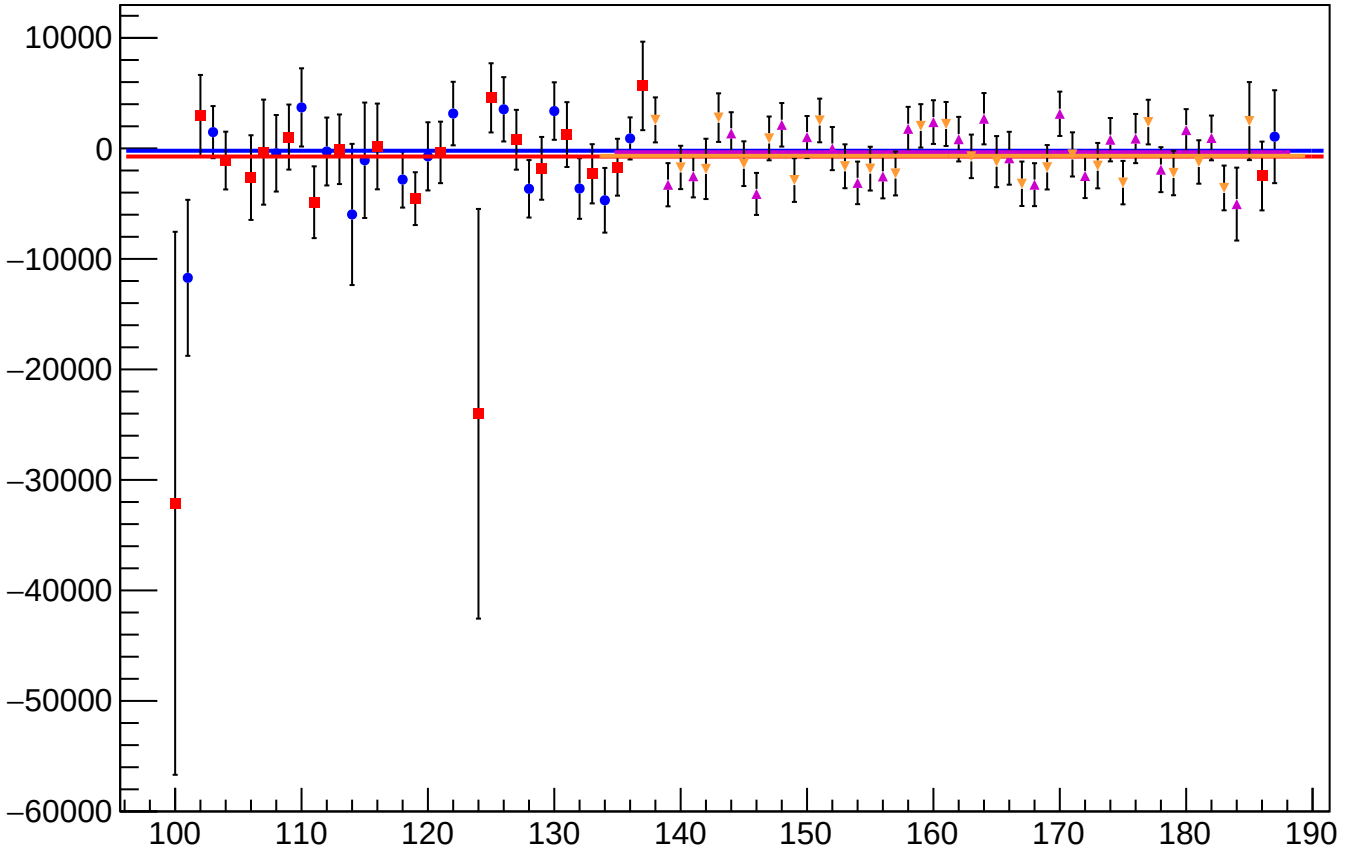
Out: 49.344+/-0.008 χ^2/NDF:7326583.5/44

All: 49.238+/-0.006 χ^2/NDF: 12232096.7/84


asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 28.1/16
Left Out: 0.000+/-0.000 χ²/NDF:15.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.5/19
Left In: -0.000+/-0.000 χ²/NDF:21.8/22
Left: -0.000+/-0.000 χ²/NDF: 38.7/47
Right: 0.000+/-0.000 χ²/NDF: 42.8/36
In: -0.000+/-0.000 χ²/NDF:50.5/39
Out: 0.000+/-0.000 χ²/NDF:29.7/44
All: -0.000+/-0.000 χ²/NDF: 81.7/84


asym_at1_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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2012945.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5134602.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1350081.7/19
Left In: 0.000+/-0.000 χ²/NDF:4905821.2/22
Left: 0.000+/-0.000 χ²/NDF: 10041467.9/47
Right: 0.000+/-0.000 χ²/NDF: 3378099.8/36
In: 0.000+/-0.000 χ²/NDF:10024623.8/39
Out: 0.000+/-0.000 χ²/NDF:9501898.8/44
All: 0.000+/-0.000 χ²/NDF: 19533111.6/84

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -212.413+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -734.474+/-715.767 χ^2/NDF: 16.2/19

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

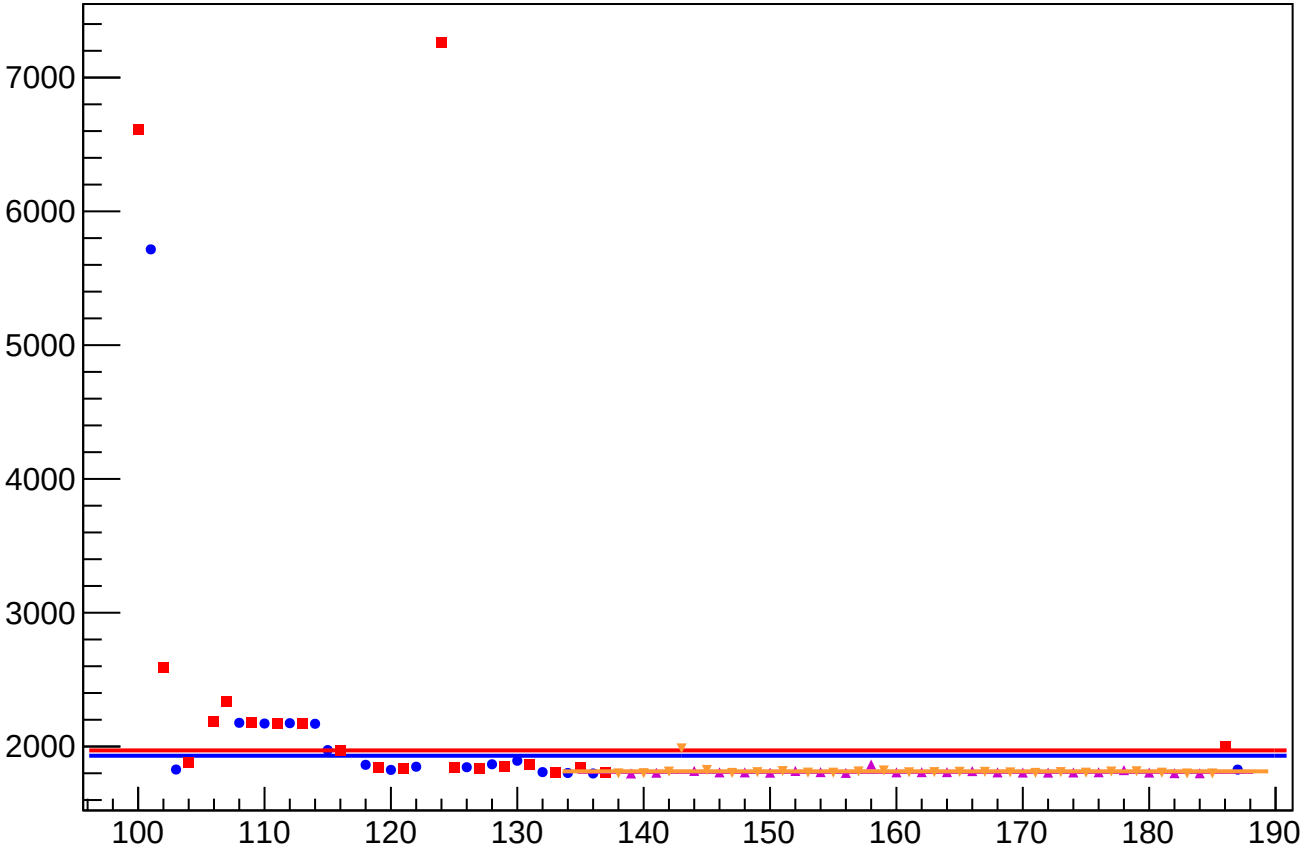
Right: -476.474+/-509.054 χ^2/NDF: 33.9/36

In: -309.769+/-365.063 χ^2/NDF:47.4/39

Out: -686.088+/-357.206 χ^2/NDF:41.0/44

All: -502.022+/-255.315 χ^2/NDF: 89.0/84

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.9/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1970.956+/-0.506 χ^2/NDF: 378593.4/19

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

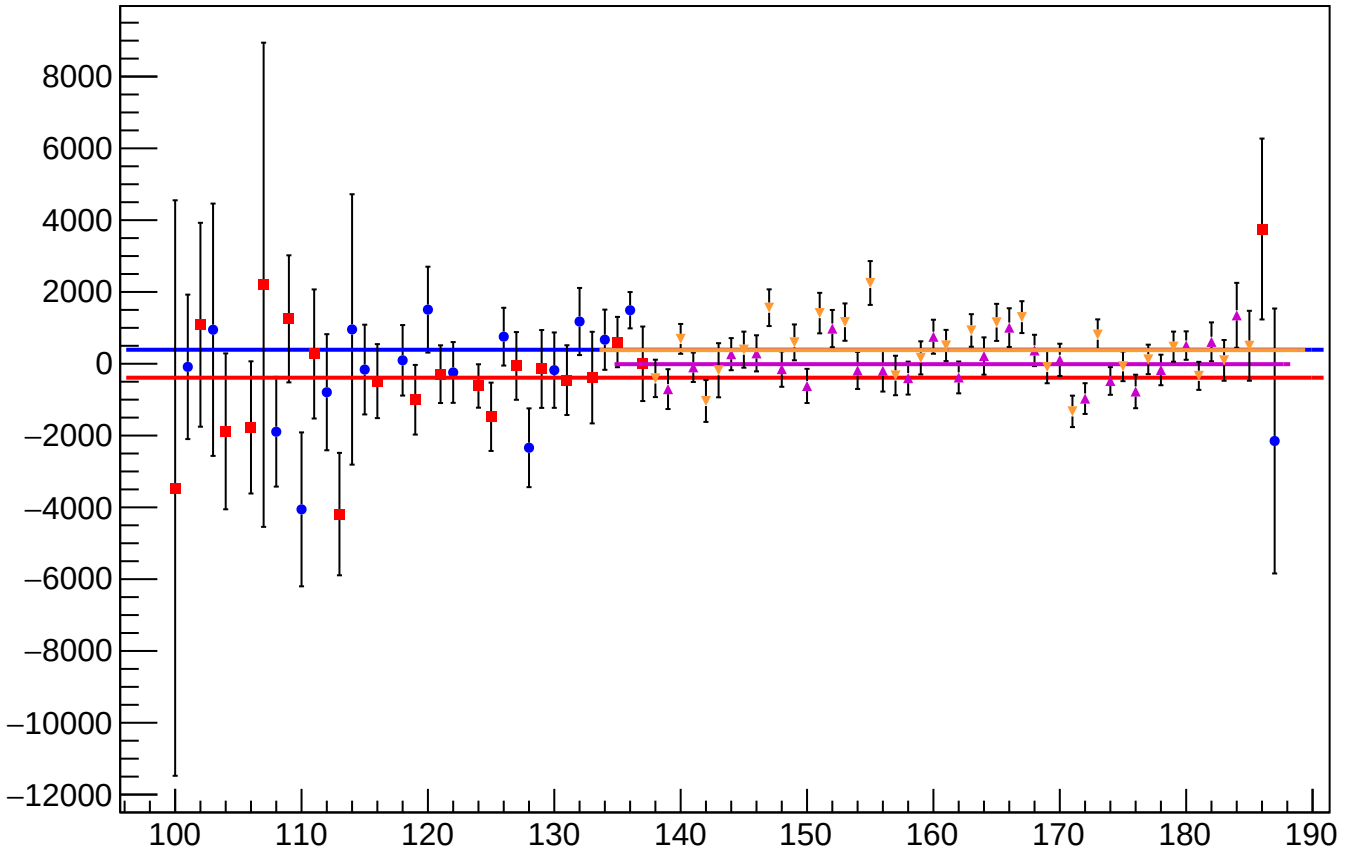
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1951.233+/-0.360 χ^2/NDF: 1022838.9/36

In: 1841.107+/-0.258 χ^2/NDF:684508.8/39

Out: 1853.417+/-0.253 χ^2/NDF:463515.0/44

All: 1847.396+/-0.181 χ^2/NDF: 1149185.7/84



Right In: 390.146+/-257.942 χ^2/NDF: 21.6/16

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -388.356+/-251.560 χ^2/NDF: 14.5/19

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

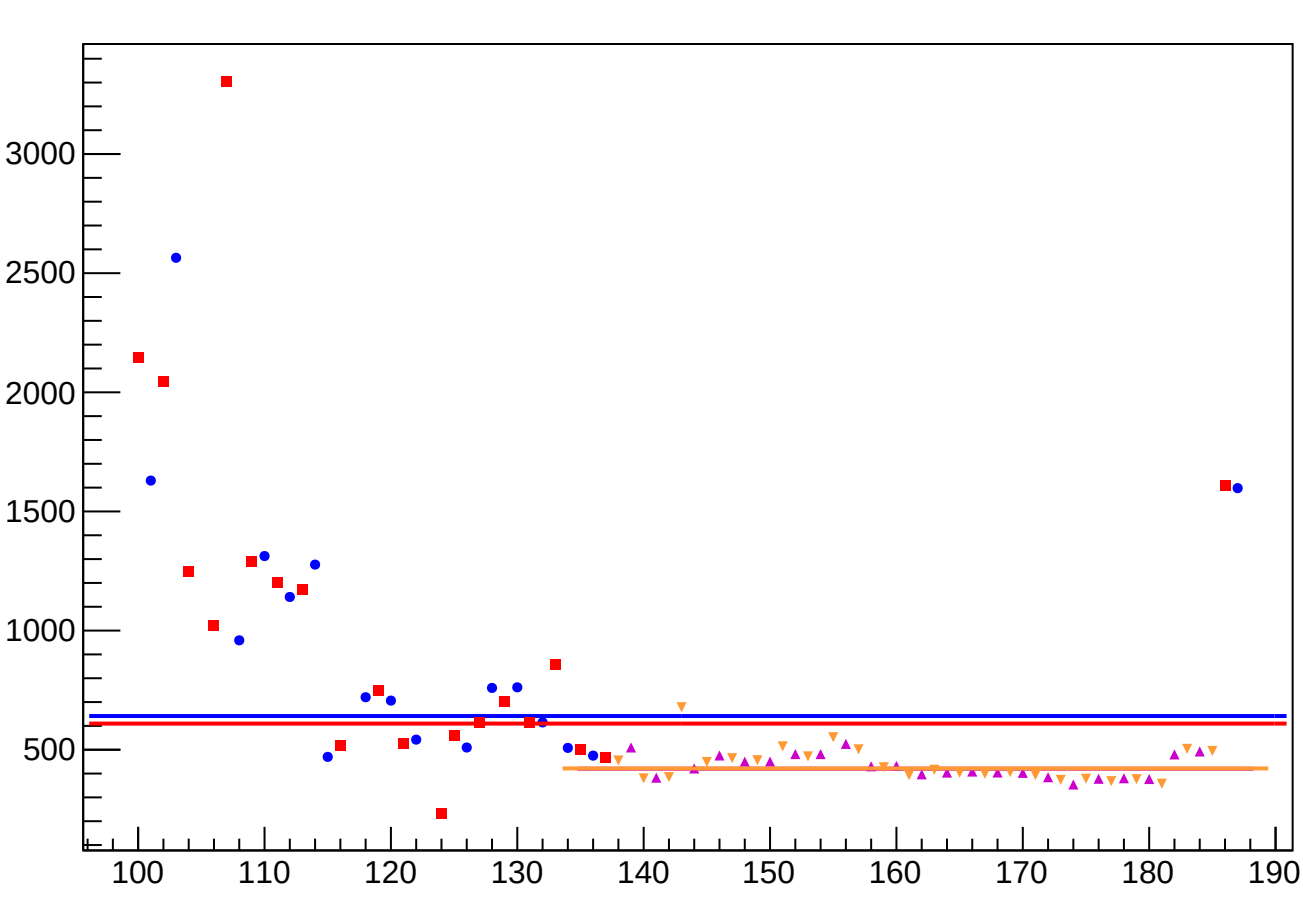
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -8.855+/-180.094 χ^2/NDF: 40.7/36

In: 40.023+/-92.407 χ^2/NDF:54.8/39

Out: 279.959+/-90.515 χ^2/NDF:84.9/44

All: 162.472+/-64.662 χ^2/NDF: 143.2/84



Right In: 641.397+/-0.182 χ^2/NDF: 2201938.3/16

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 609.710+/-0.178 χ^2/NDF: 3262832.8/19

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

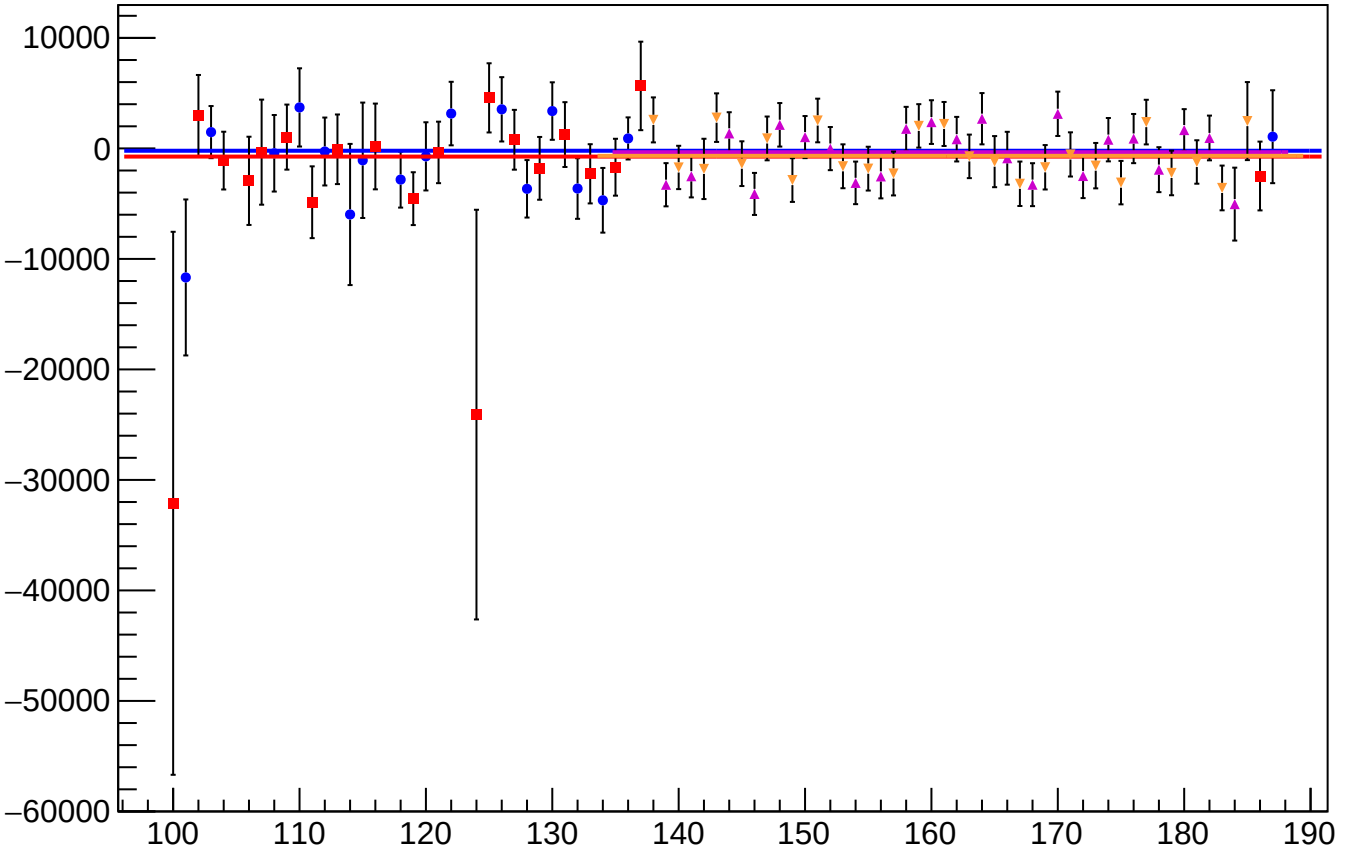
Right: 625.156+/-0.127 χ^2/NDF: 5480240.3/36

In: 448.608+/-0.065 χ^2/NDF:3896821.2/39

Out: 445.795+/-0.064 χ^2/NDF:4981322.6/44

All: 447.172+/-0.046 χ^2/NDF: 8879089.9/84

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -211.642+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -739.281+/-716.755 χ^2/NDF: 16.3/19

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

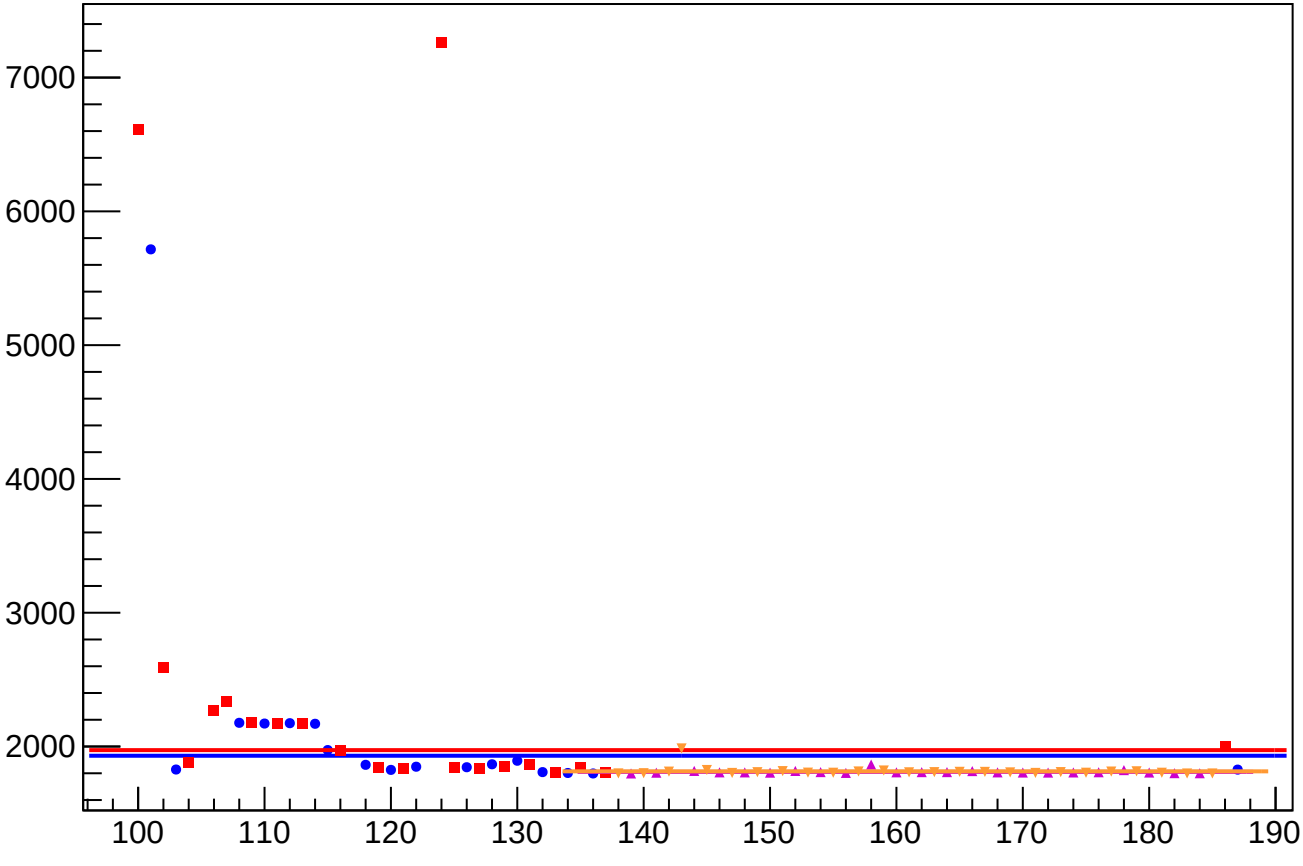
Right: -478.161+/-509.409 χ^2/NDF: 33.9/36

In: -309.606+/-365.063 χ^2/NDF:47.4/39

Out: -687.242+/-357.328 χ^2/NDF:41.1/44

All: -502.467+/-255.360 χ^2/NDF: 89.0/84

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.8/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1972.999+/-0.507 χ^2/NDF: 383364.1/19

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

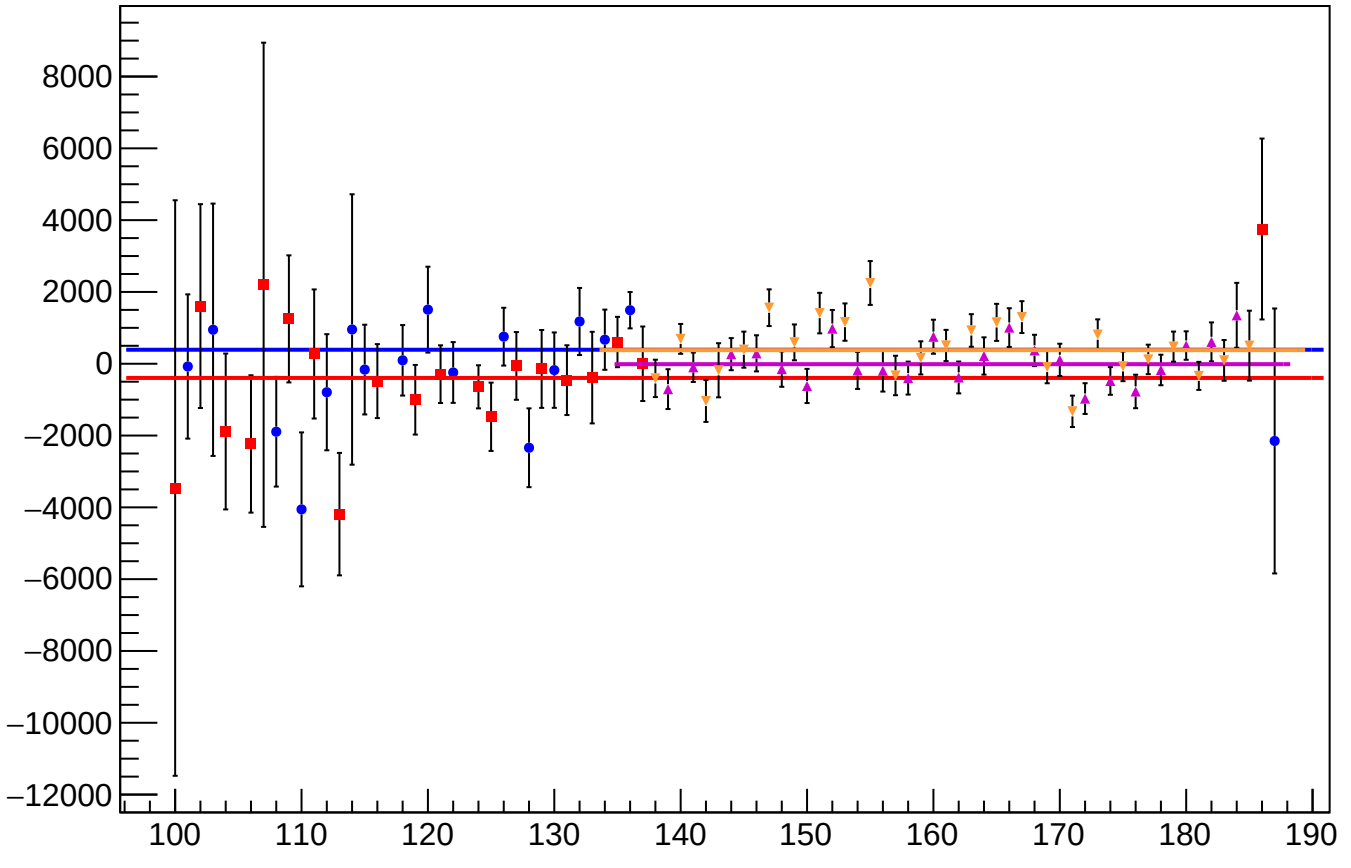
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1952.238+/-0.360 χ^2/NDF: 1027927.6/36

In: 1841.107+/-0.258 χ^2/NDF:684508.7/39

Out: 1853.844+/-0.253 χ^2/NDF:470020.7/44

All: 1847.612+/-0.181 χ^2/NDF: 1155772.8/84



Right In: 390.224+/-257.931 χ^2/NDF: 21.6/16

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -394.961+/-251.411 χ^2/NDF: 15.1/19

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

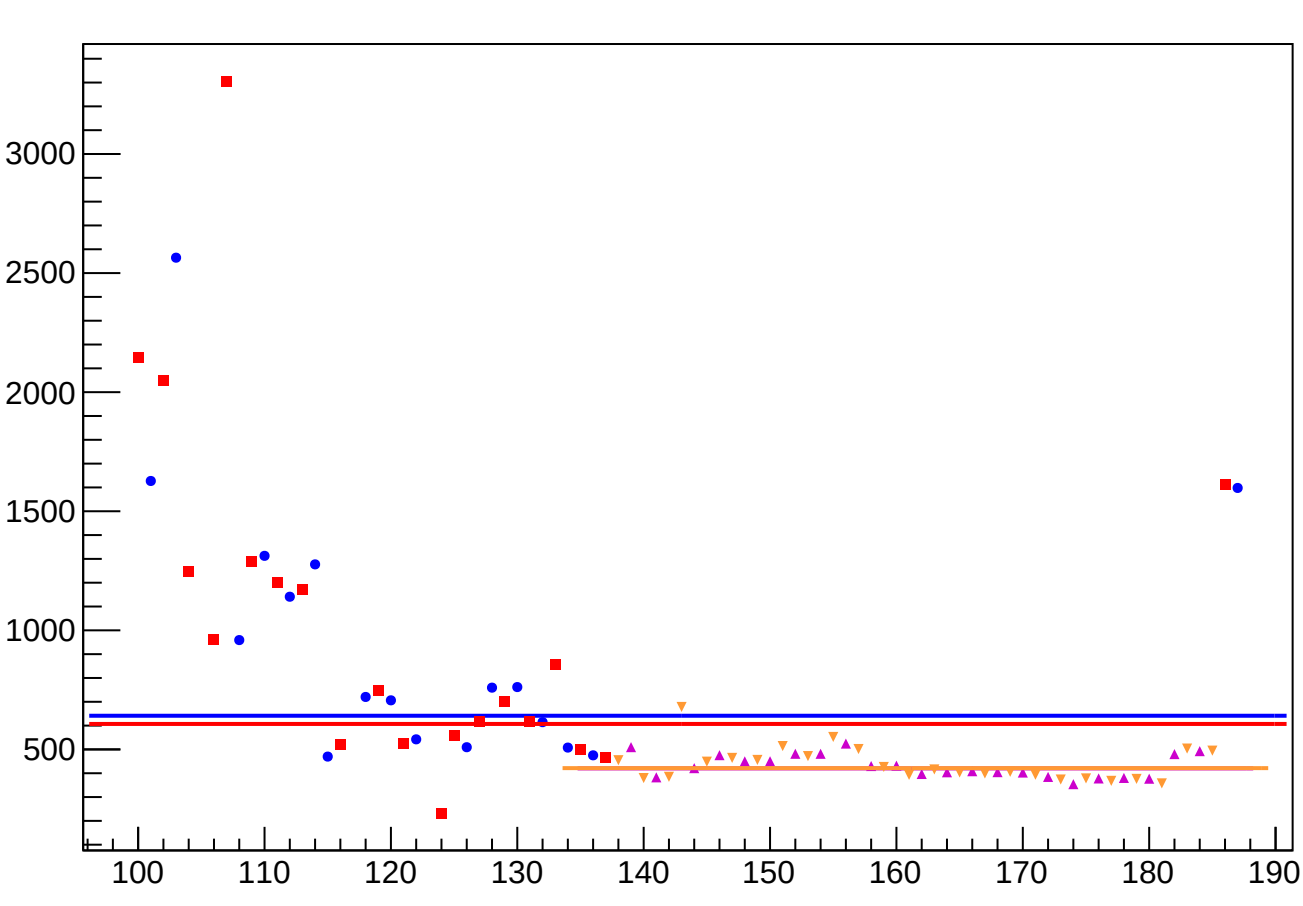
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -12.418+/-180.035 χ^2/NDF: 41.5/36

In: 40.026+/-92.406 χ^2/NDF:54.8/39

Out: 278.991+/-90.509 χ^2/NDF:85.7/44

All: 161.986+/-64.660 χ^2/NDF: 143.9/84



Right In: 641.395+/-0.182 χ^2/NDF: 2201070.9/16

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 606.956+/-0.178 χ^2/NDF: 3250920.2/19

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

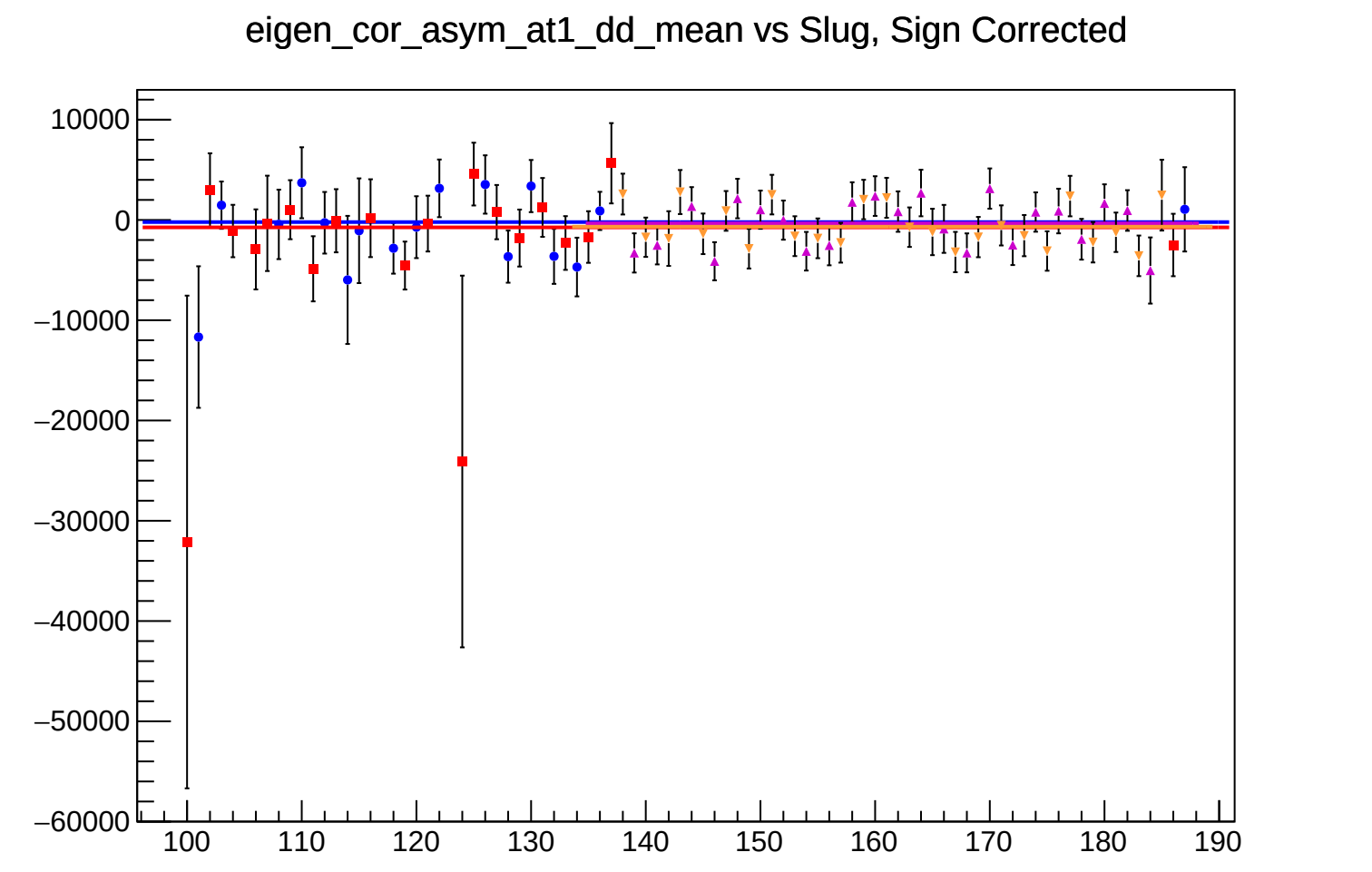
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 623.735+/-0.127 χ^2/NDF: 5470274.5/36

In: 448.606+/-0.065 χ^2/NDF:3896110.1/39

Out: 445.466+/-0.064 χ^2/NDF:4941970.6/44

All: 447.003+/-0.046 χ^2/NDF: 8839259.4/84



Right In: -211.642+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -739.281+/-716.755 χ^2/NDF: 16.3/19

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

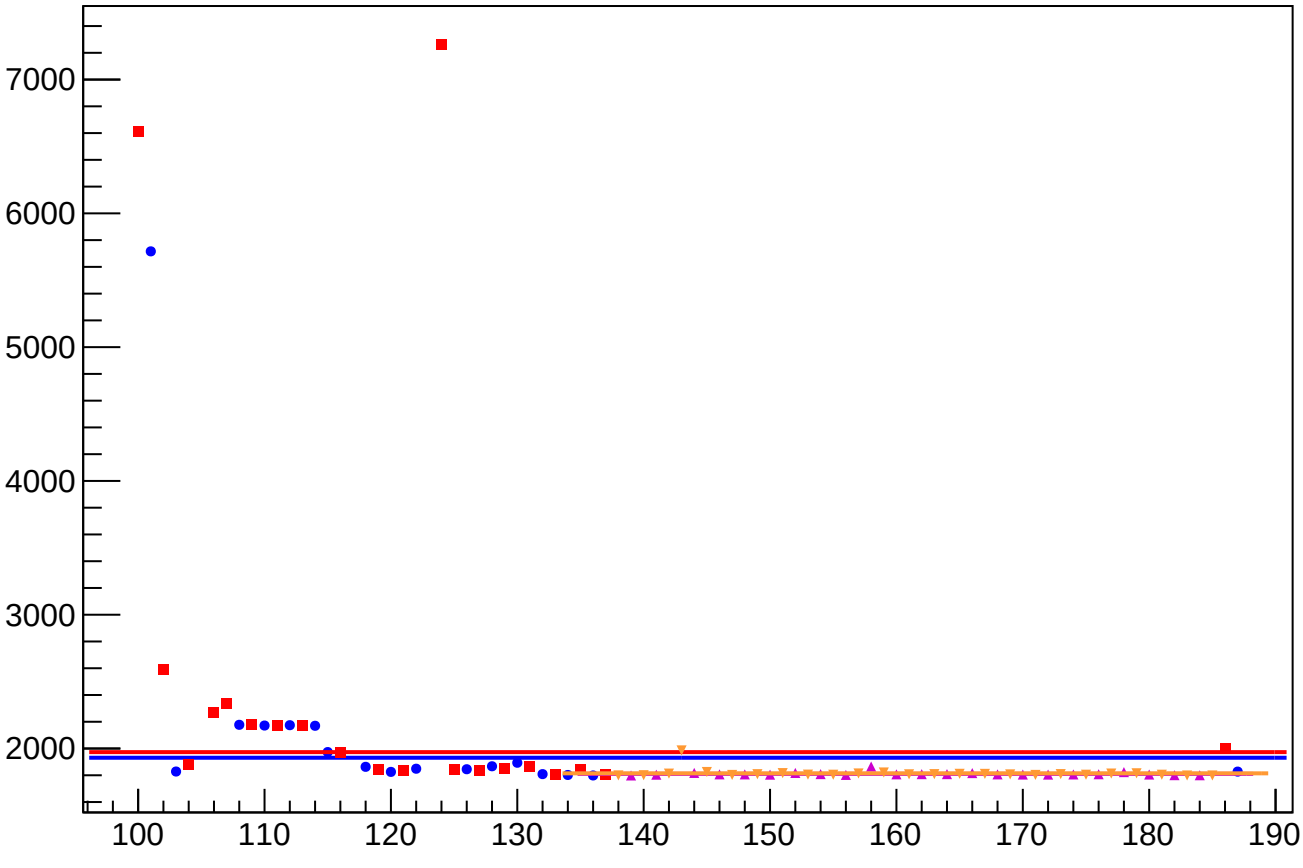
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -478.161+/-509.409 χ^2/NDF: 33.9/36

In: -309.606+/-365.063 χ^2/NDF:47.4/39

Out: -687.242+/-357.328 χ^2/NDF:41.1/44

All: -502.467+/-255.360 χ^2/NDF: 89.0/84



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.8/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1972.999+/-0.507 χ^2/NDF: 383364.1/19

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

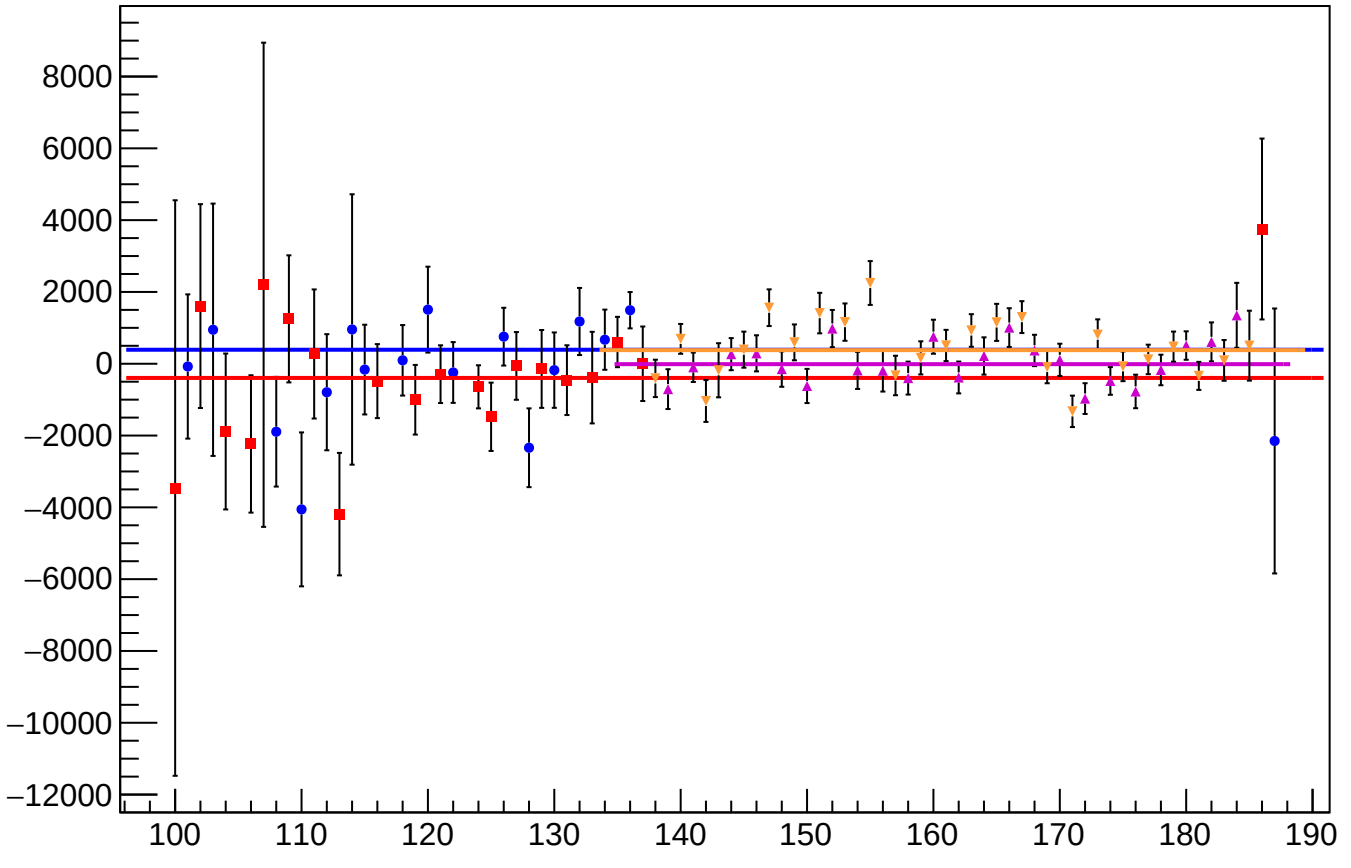
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1952.238+/-0.360 χ^2/NDF: 1027927.6/36

In: 1841.107+/-0.258 χ^2/NDF:684508.7/39

Out: 1853.844+/-0.253 χ^2/NDF:470020.7/44

All: 1847.612+/-0.181 χ^2/NDF: 1155772.8/84



Right In: 390.224+/-257.931 χ^2/NDF: 21.6/16

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -394.961+/-251.411 χ^2/NDF: 15.1/19

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

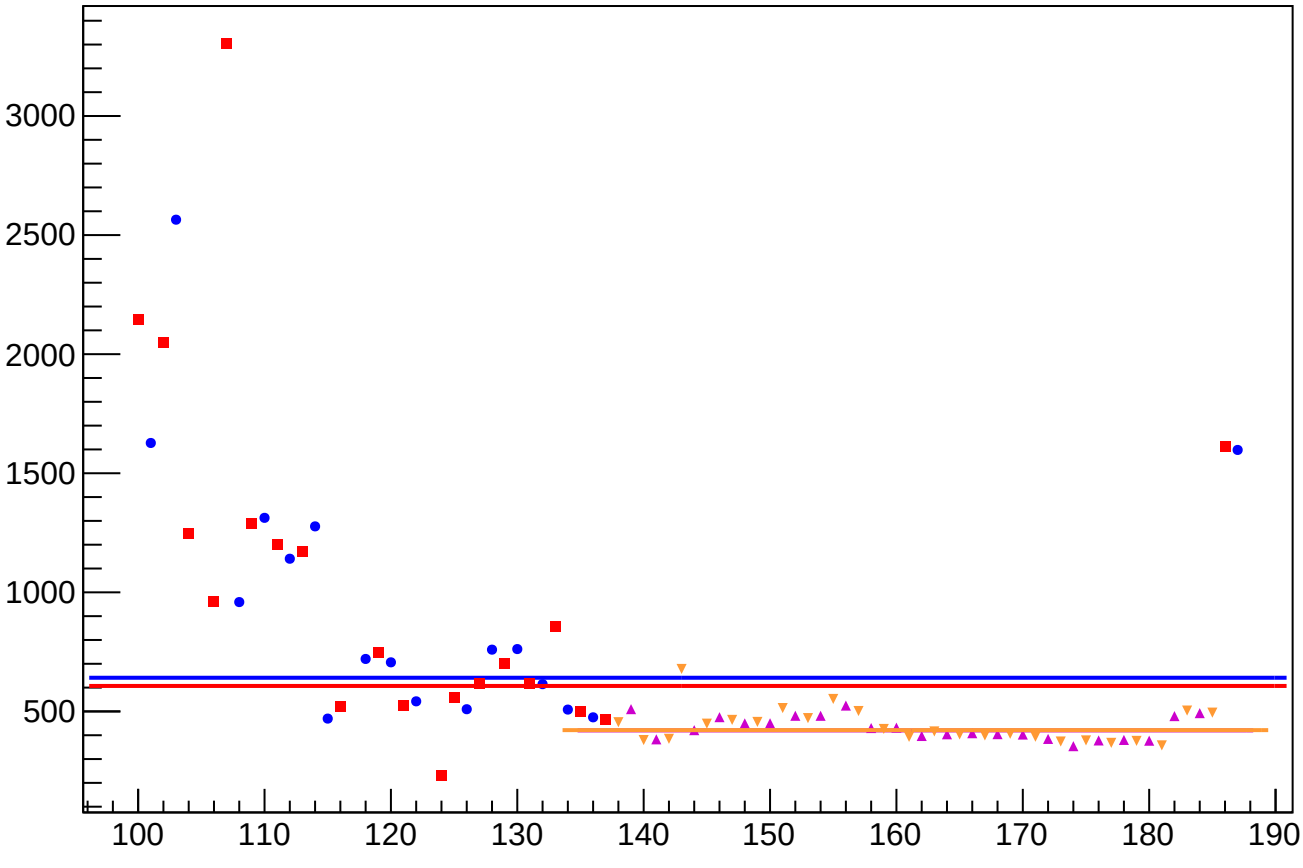
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -12.418+/-180.035 χ^2/NDF: 41.5/36

In: 40.026+/-92.406 χ^2/NDF:54.8/39

Out: 278.991+/-90.509 χ^2/NDF:85.7/44

All: 161.986+/-64.660 χ^2/NDF: 143.9/84



Right In: 641.395+/-0.182 χ^2/NDF: 2201070.9/16

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 606.956+/-0.178 χ^2/NDF: 3250920.2/19

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

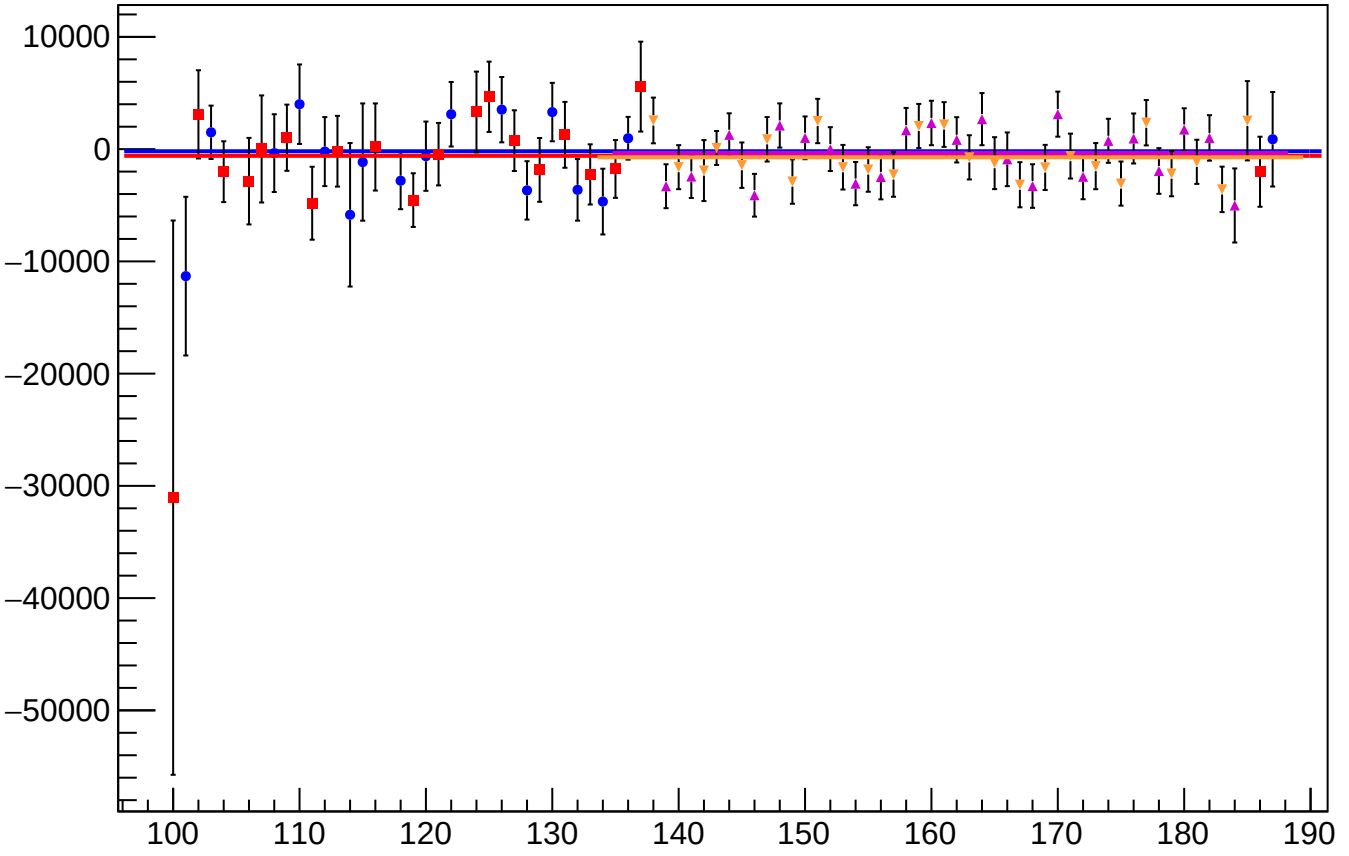
Right: 623.735+/-0.127 χ^2/NDF: 5470274.5/36

In: 448.606+/-0.065 χ^2/NDF:3896110.1/39

Out: 445.466+/-0.064 χ^2/NDF:4941970.6/44

All: 447.003+/-0.046 χ^2/NDF: 8839259.4/84

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -187.726+/-724.901 χ^2/NDF: 17.2/16

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -596.694+/-706.173 χ^2/NDF: 15.8/19

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

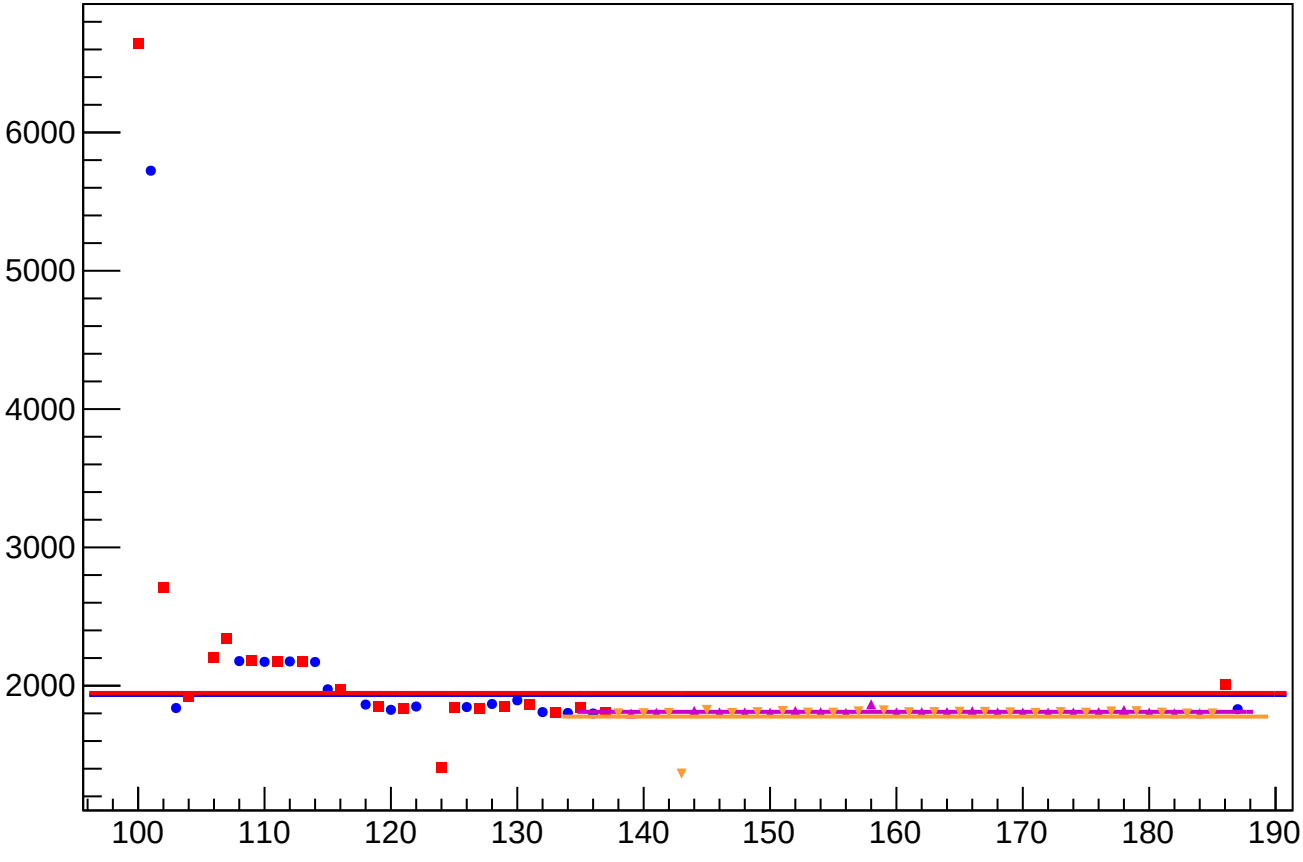
Right: -397.561+/-505.831 χ^2/NDF: 33.2/36

In: -302.252+/-365.256 χ^2/NDF:46.8/39

Out: -692.956+/-350.942 χ^2/NDF:38.1/44

All: -505.410+/-253.063 χ^2/NDF: 85.5/84

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1932.836+/-0.513 χ^2/NDF: 641035.1/16

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1947.719+/-0.499 χ^2/NDF: 276996.4/19

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

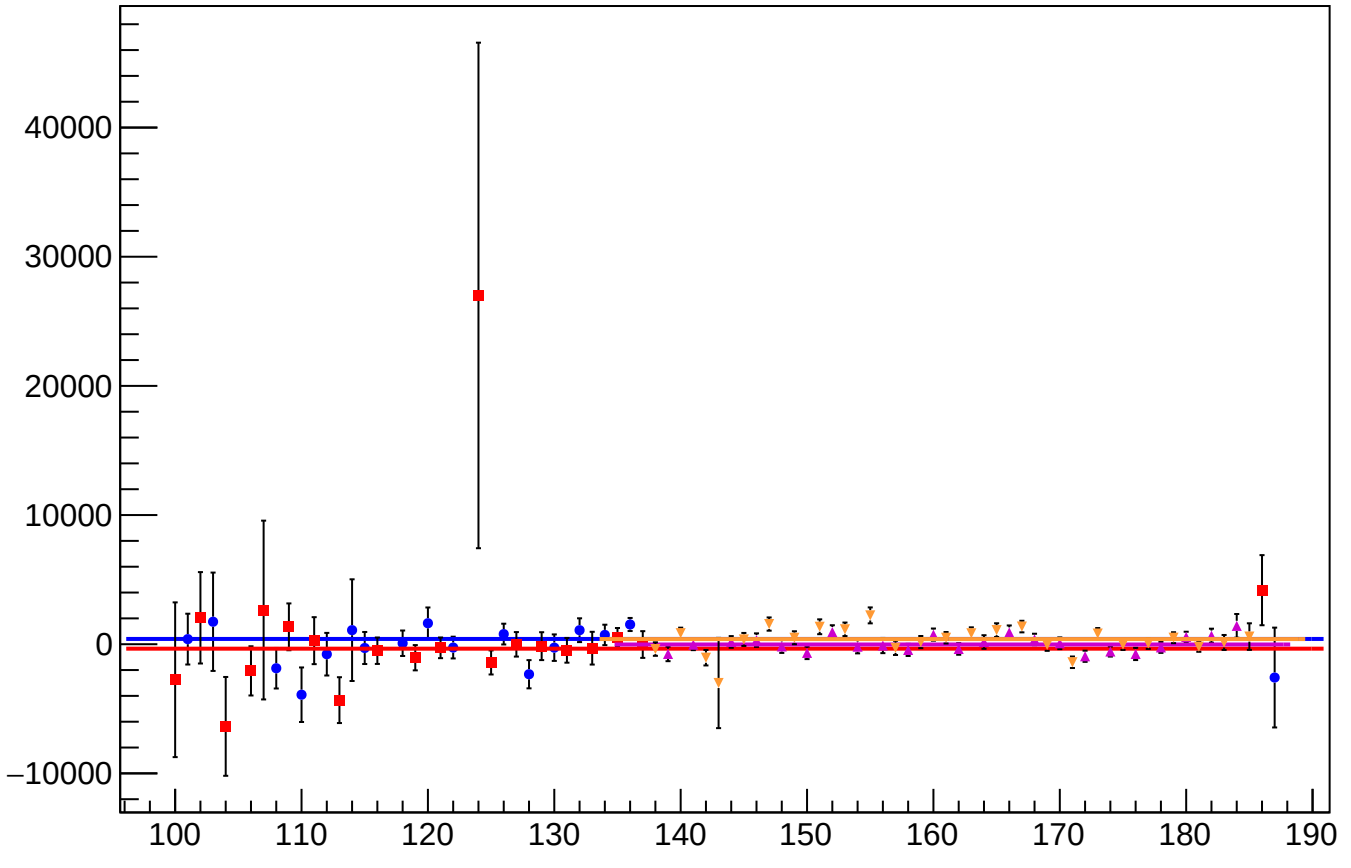
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1940.473+/-0.358 χ^2/NDF: 918464.1/36

In: 1841.995+/-0.258 χ^2/NDF:685095.7/39

Out: 1818.953+/-0.248 χ^2/NDF:526600.0/44

All: 1830.014+/-0.179 χ^2/NDF: 1215834.2/84



Right In: 407.955+/-256.185 χ^2/NDF: 22.1/16

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -345.542+/-278.091 χ^2/NDF: 18.7/19

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

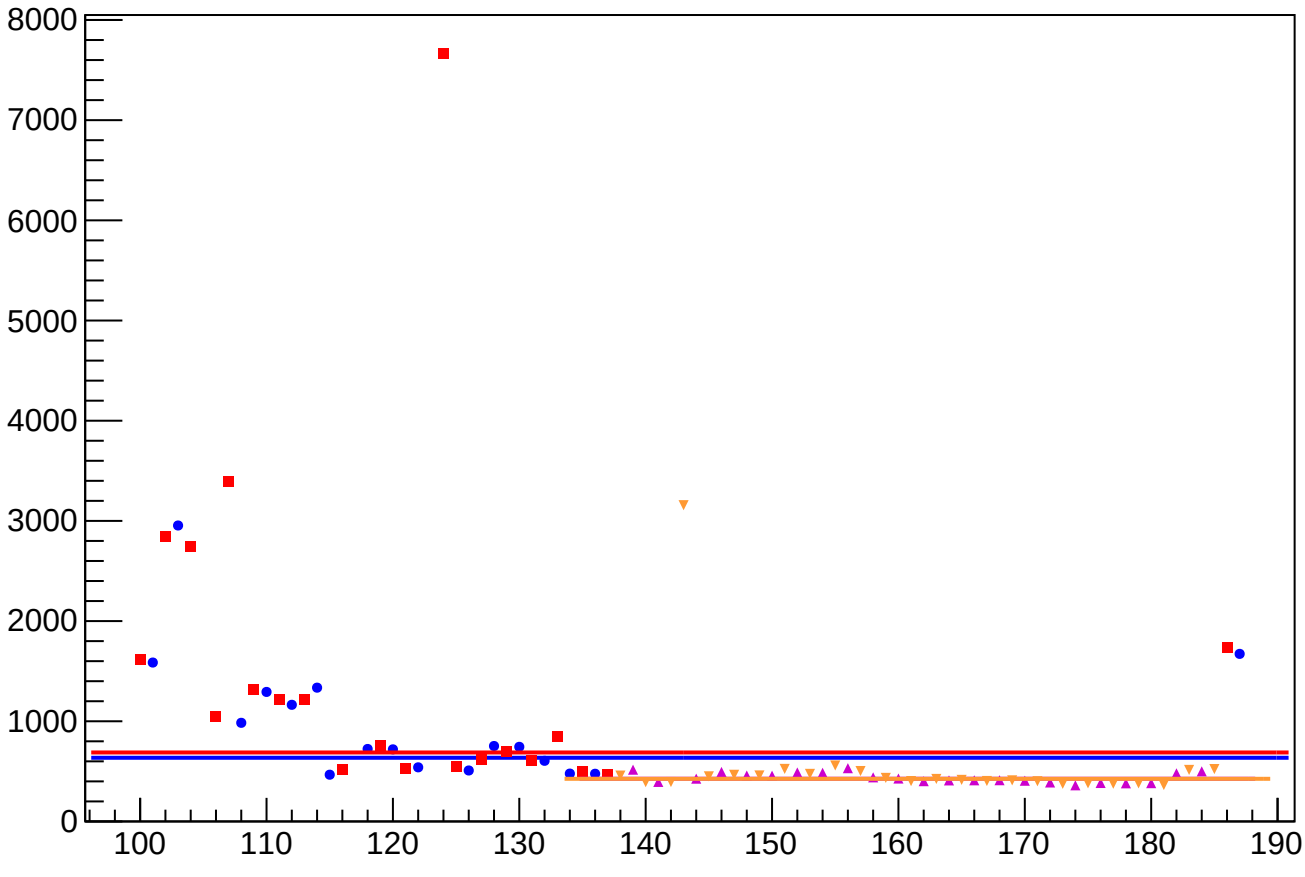
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 62.050+/-188.419 χ^2/NDF: 44.7/36

In: 35.585+/-93.368 χ^2/NDF:55.4/39

Out: 314.358+/-93.404 χ^2/NDF:85.5/44

All: 174.917+/-66.034 χ^2/NDF: 145.3/84



Right In: 635.717+/-0.181 χ^2/NDF: 2379116.9/16

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 688.546+/-0.197 χ^2/NDF: 3382352.4/19

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

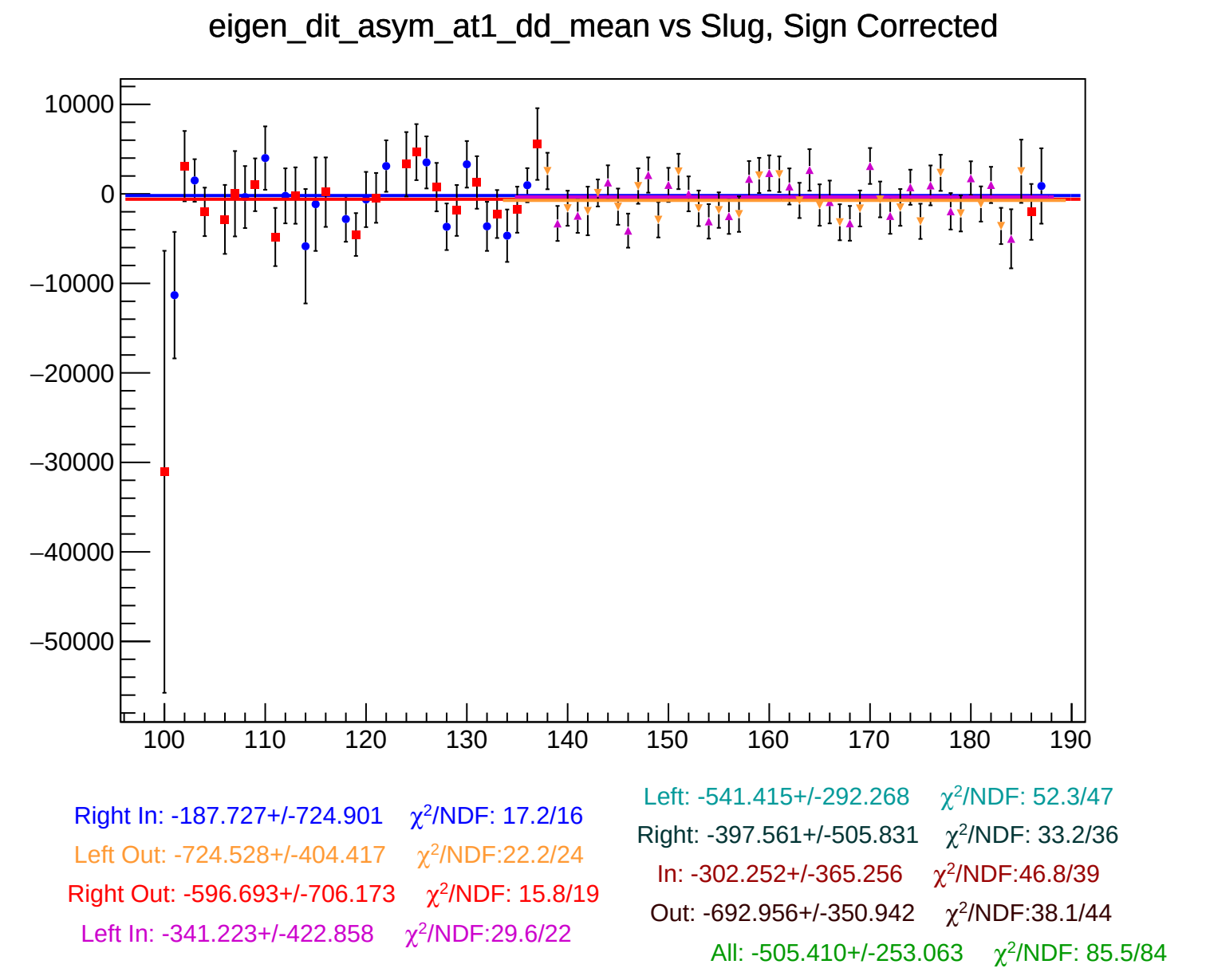
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

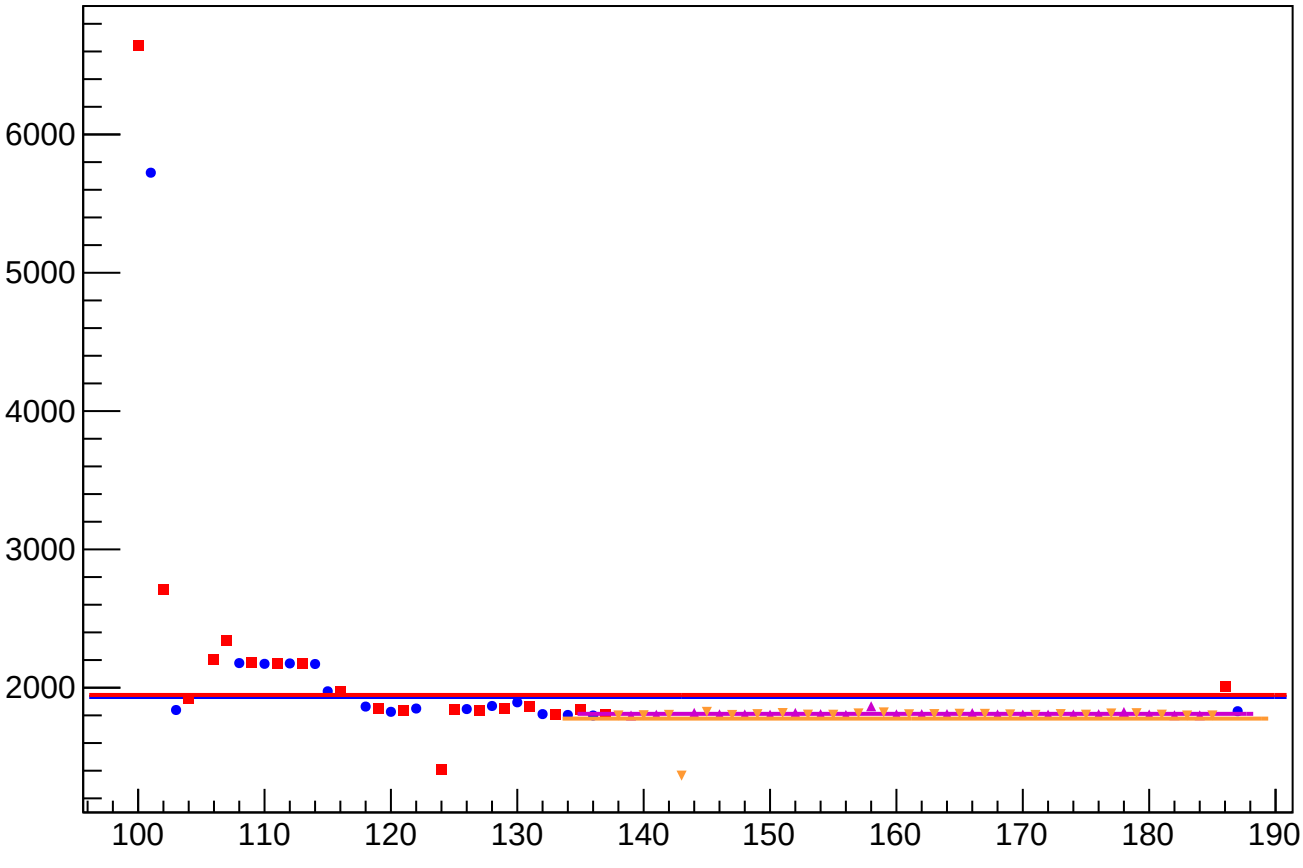
Right: 659.969+/-0.133 χ^2/NDF: 5800512.7/36

In: 453.981+/-0.066 χ^2/NDF:3955165.3/39

Out: 455.349+/-0.066 χ^2/NDF:6685697.4/44

All: 454.665+/-0.047 χ^2/NDF: 10641077.2/84


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -187.727+/-724.901 χ²/NDF: 17.2/16
Left Out: -724.528+/-404.417 χ²/NDF:22.2/24
Right Out: -596.693+/-706.173 χ²/NDF: 15.8/19
Left In: -341.223+/-422.858 χ²/NDF:29.6/22
Left: -541.415+/-292.268 χ²/NDF: 52.3/47
Right: -397.561+/-505.831 χ²/NDF: 33.2/36
In: -302.252+/-365.256 χ²/NDF:46.8/39
Out: -692.956+/-350.942 χ²/NDF:38.1/44
All: -505.410+/-253.063 χ²/NDF: 85.5/84



Right In: 1932.836+/-0.513 χ^2/NDF: 641035.2/16

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1947.719+/-0.499 χ^2/NDF: 276996.3/19

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

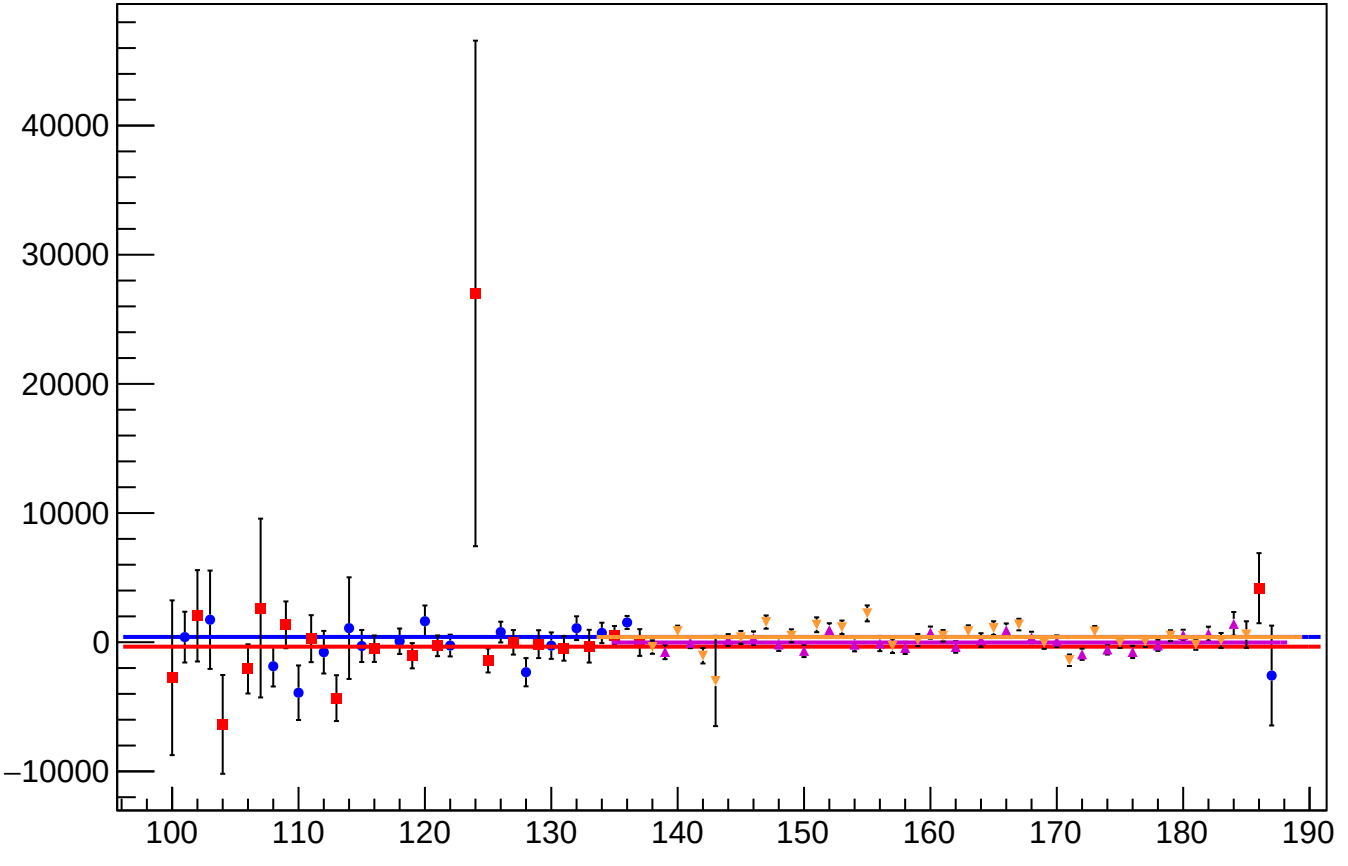
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1940.473+/-0.358 χ^2/NDF: 918464.0/36

In: 1841.995+/-0.258 χ^2/NDF:685095.7/39

Out: 1818.953+/-0.248 χ^2/NDF:526599.8/44

All: 1830.014+/-0.179 χ^2/NDF: 1215834.0/84



Right In: 407.954+/-256.185 χ^2/NDF: 22.1/16

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -345.542+/-278.091 χ^2/NDF: 18.7/19

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

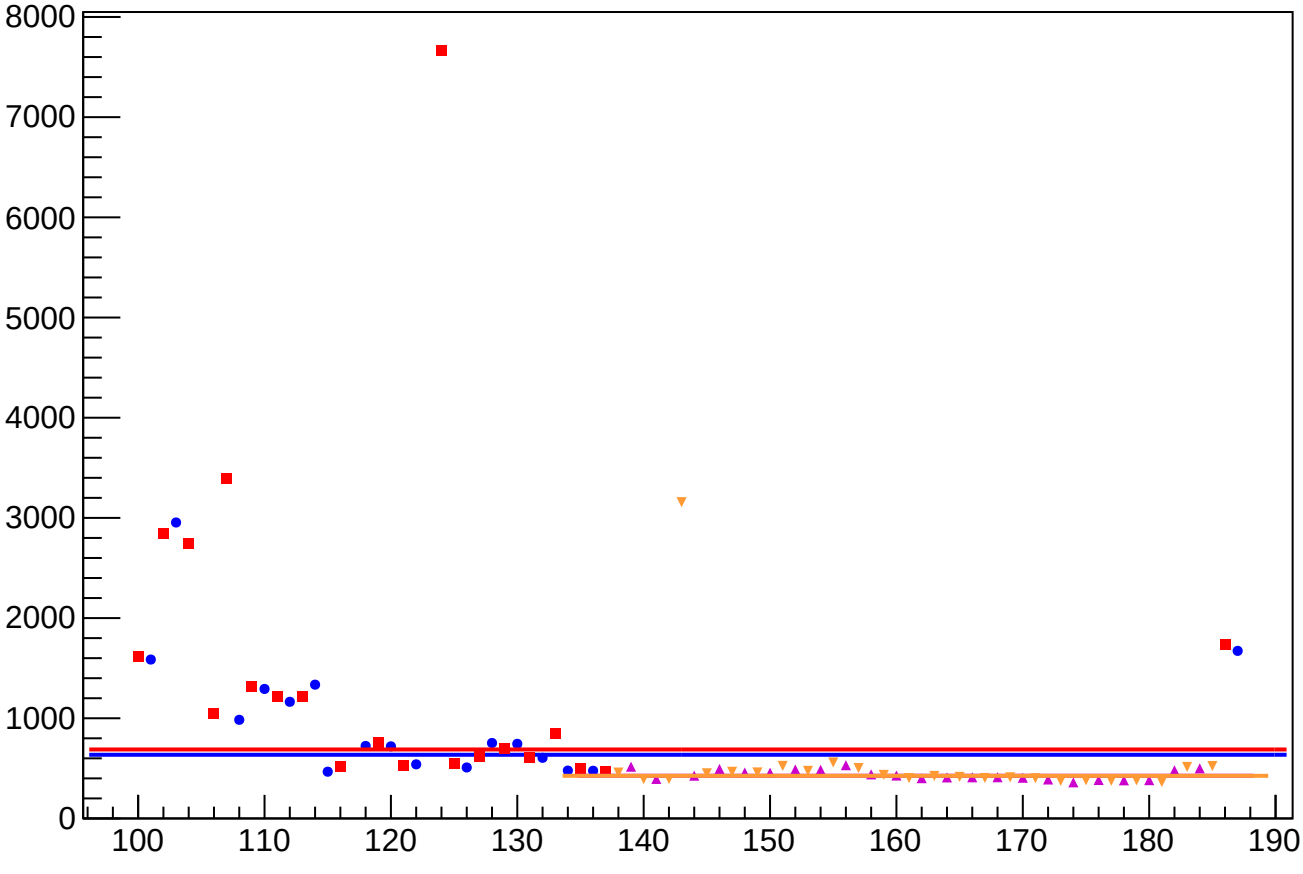
Right: 62.049+/-188.419 χ^2/NDF: 44.7/36

In: 35.585+/-93.368 χ^2/NDF:55.4/39

Out: 314.357+/-93.404 χ^2/NDF:85.5/44

All: 174.918+/-66.034 χ^2/NDF: 145.3/84

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 635.716+/-0.181 χ^2/NDF: 2379116.0/16

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 688.545+/-0.197 χ^2/NDF: 3382353.8/19

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

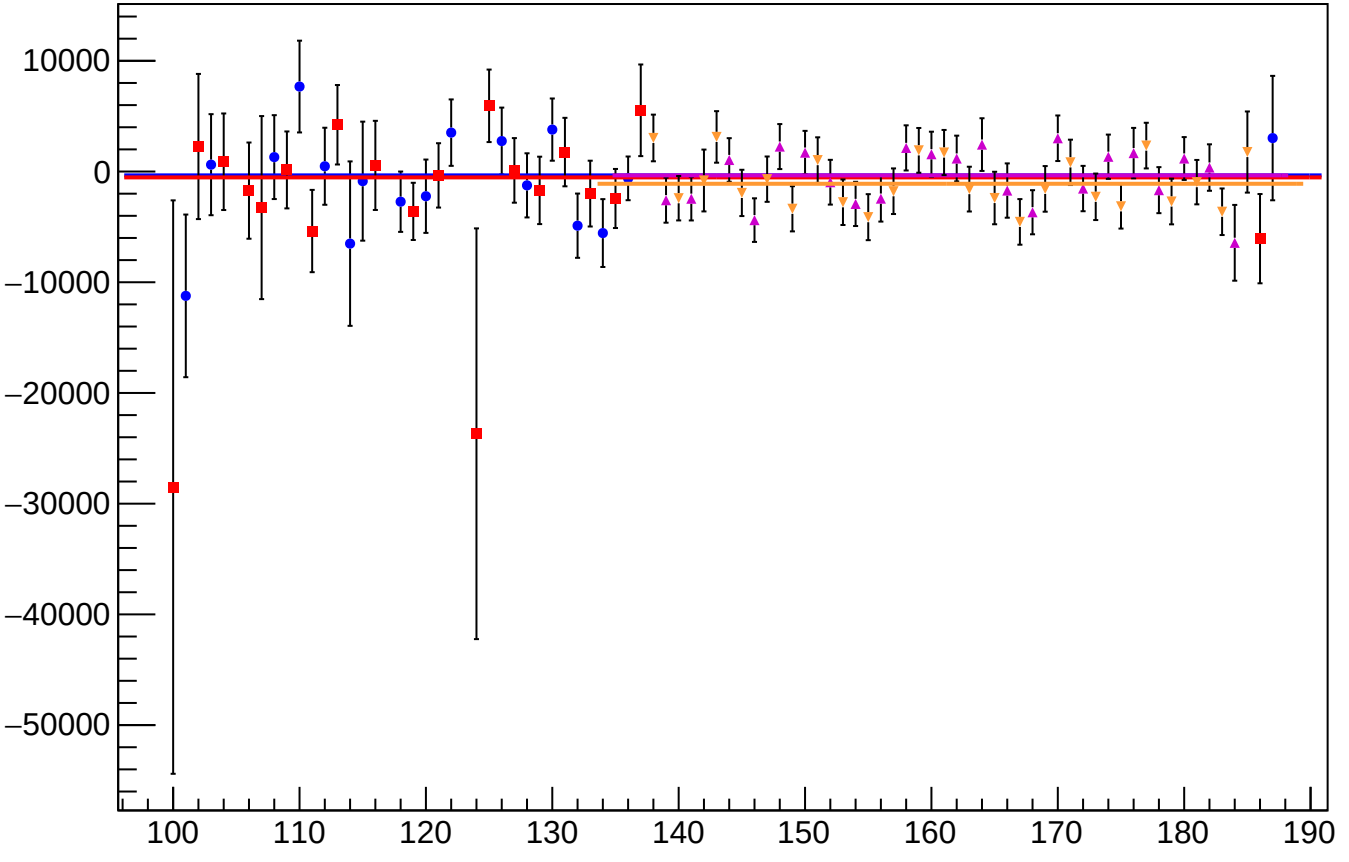
Right: 659.968+/-0.133 χ^2/NDF: 5800513.2/36

In: 453.981+/-0.066 χ^2/NDF:3955168.2/39

Out: 455.349+/-0.066 χ^2/NDF:6685703.0/44

All: 454.665+/-0.047 χ^2/NDF: 10641085.7/84

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -346.729+/-806.919 χ^2/NDF: 18.7/16

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -530.010+/-814.462 χ^2/NDF: 17.6/19

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

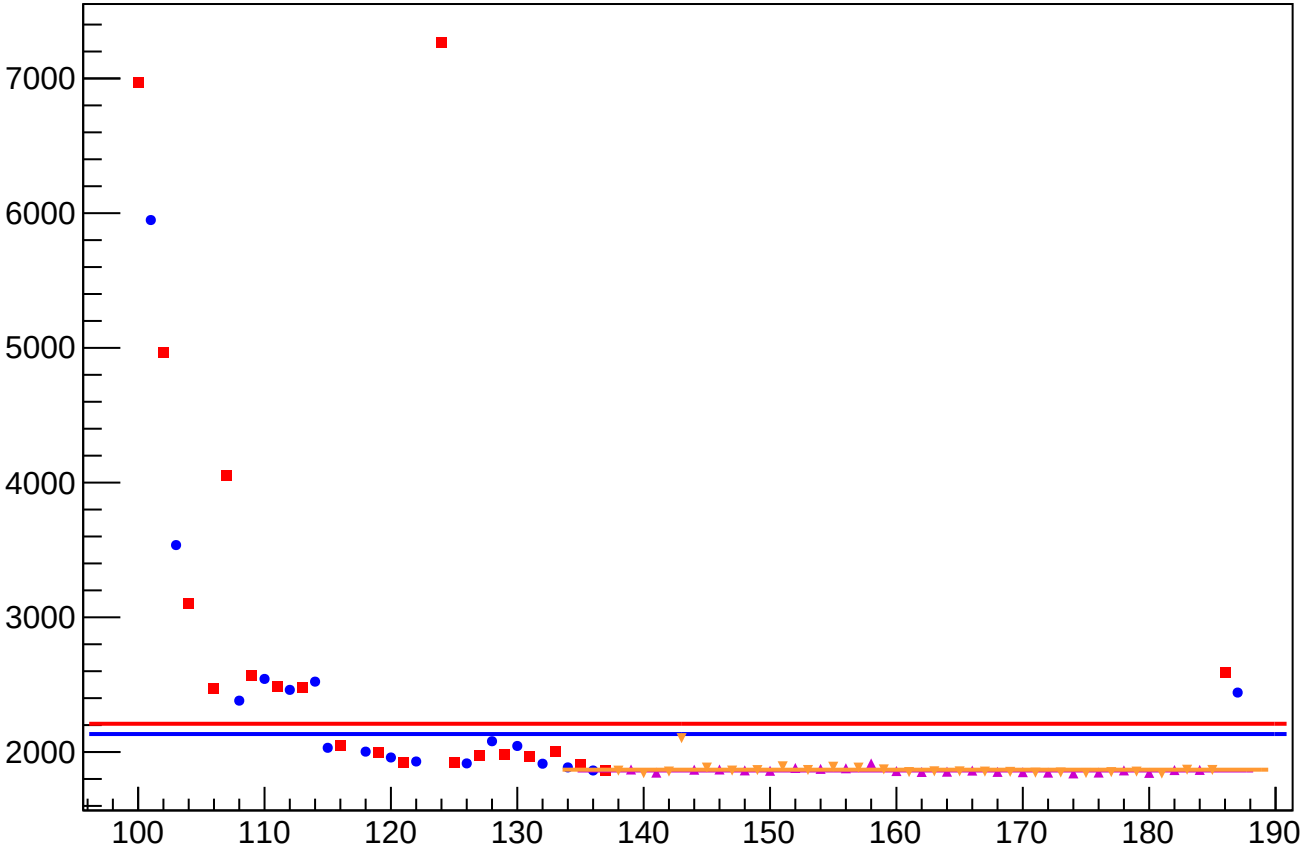
Right: -437.517+/-573.226 χ^2/NDF: 36.3/36

In: -346.890+/-382.869 χ^2/NDF:47.5/39

Out: -982.724+/-376.541 χ^2/NDF:46.0/44

All: -670.104+/-268.464 χ^2/NDF: 94.9/84

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2133.524+/-0.571 χ^2/NDF: 881208.6/16

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2209.773+/-0.576 χ^2/NDF: 961206.3/19

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

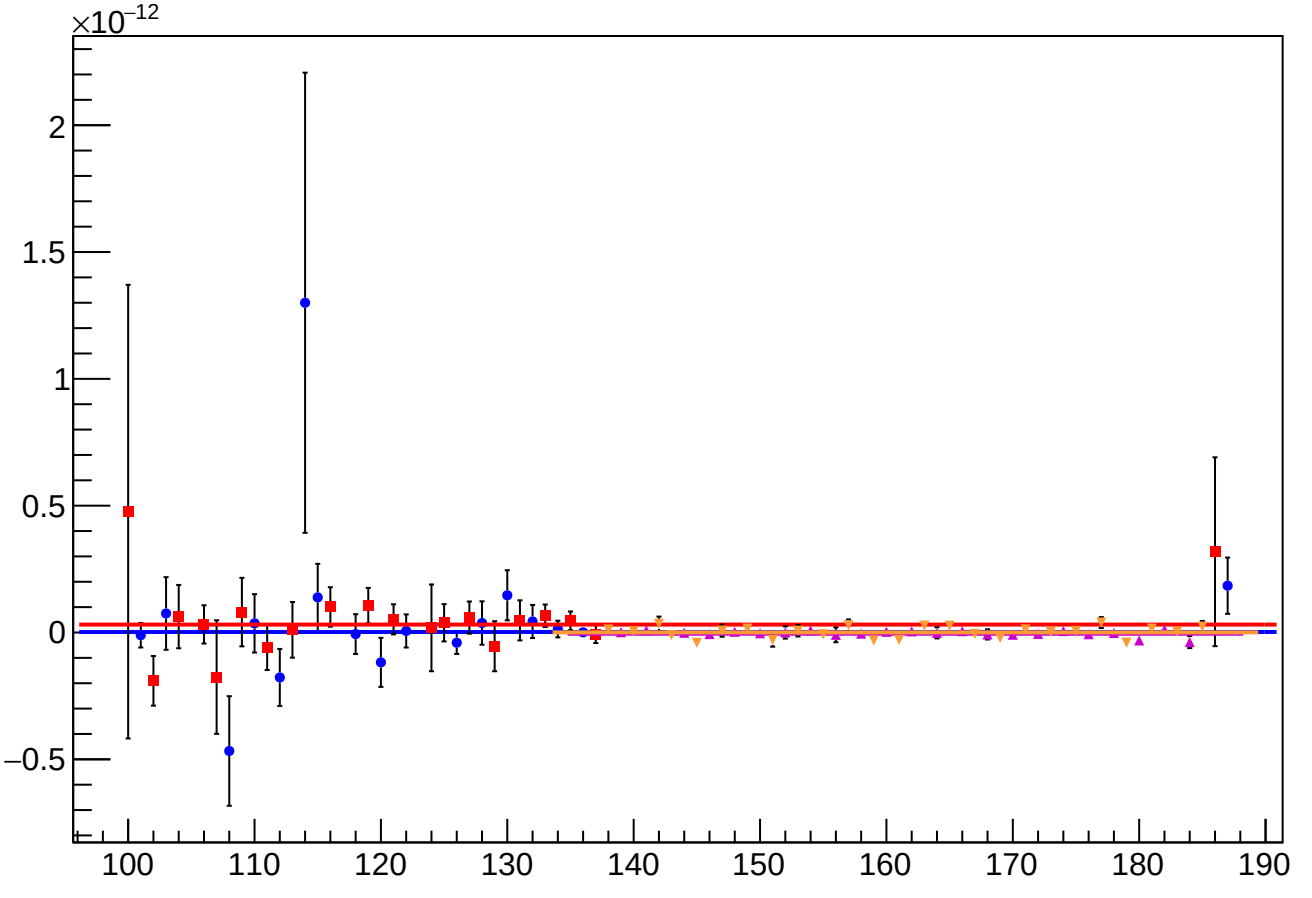
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2171.294+/-0.405 χ^2/NDF: 1851260.9/36

In: 1923.771+/-0.271 χ^2/NDF:1058328.7/39

Out: 1941.790+/-0.266 χ^2/NDF:1259904.1/44

All: 1932.931+/-0.190 χ^2/NDF: 2320484.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/19

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

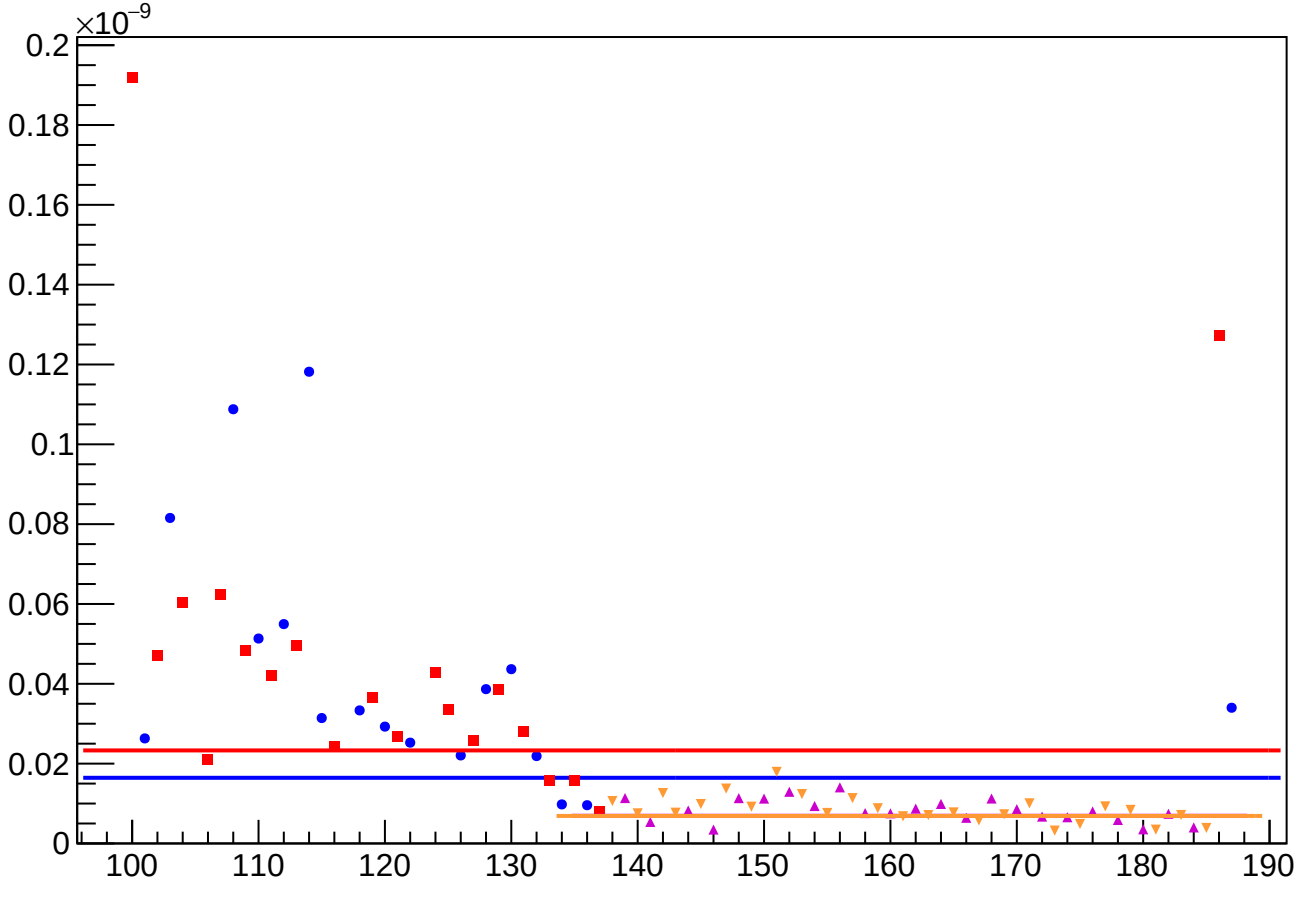
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

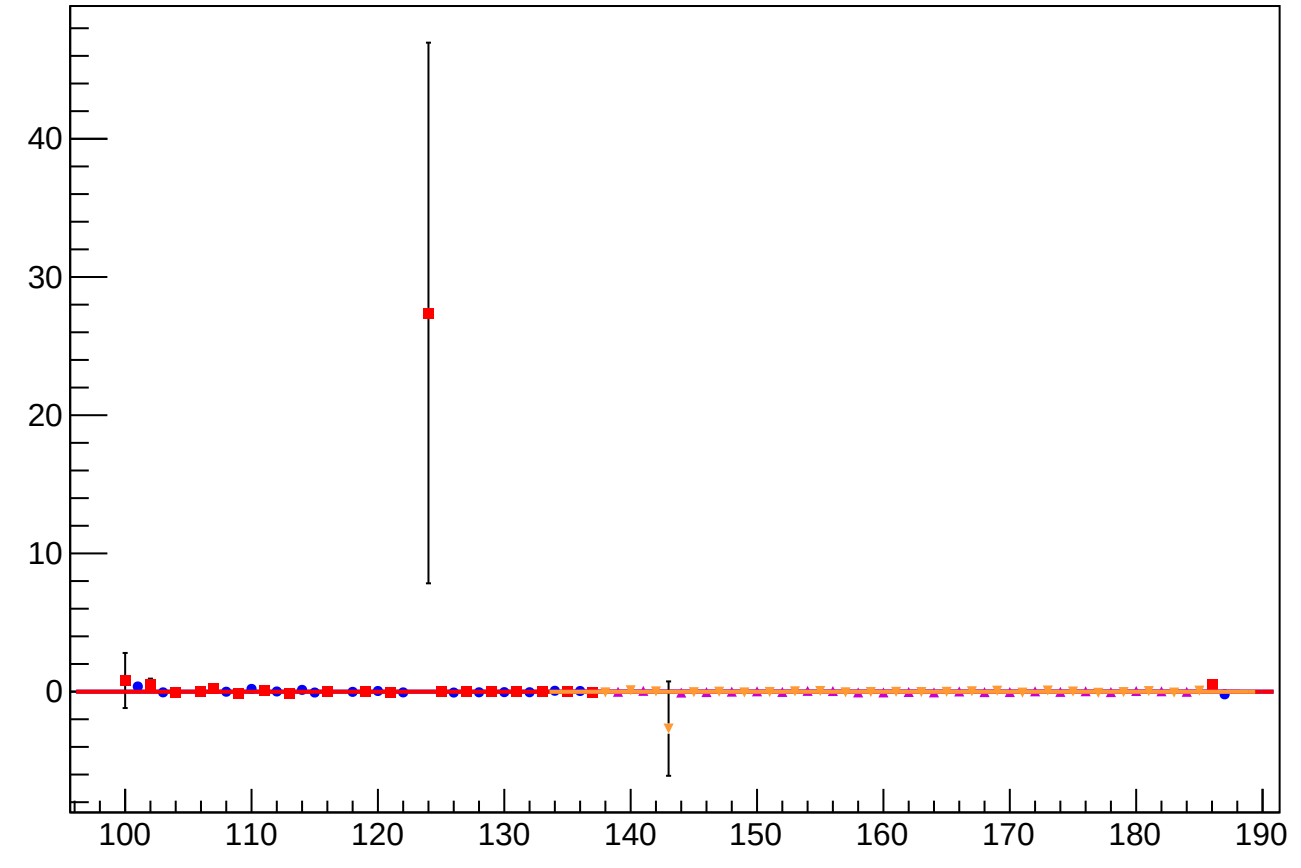
Right: 0.000+/-0.000 χ^2/NDF: 34.0/36

In: -0.000+/-0.000 χ^2/NDF:36.5/39

Out: 0.000+/-0.000 χ^2/NDF:58.8/44

All: -0.000+/-0.000 χ^2/NDF: 97.3/84


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2337282.4/16
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1567625.9/19
Left In: 0.000+/-0.000 χ²/NDF:1477997.8/22
Left: 0.000+/-0.000 χ²/NDF: 3321189.0/47
Right: 0.000+/-0.000 χ²/NDF: 4149095.5/36
In: 0.000+/-0.000 χ²/NDF:5035984.1/39
Out: 0.000+/-0.000 χ²/NDF:5520535.3/44
All: 0.000+/-0.000 χ²/NDF: 10557267.8/84



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.009+/-0.015 χ^2/NDF: 20.2/19

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

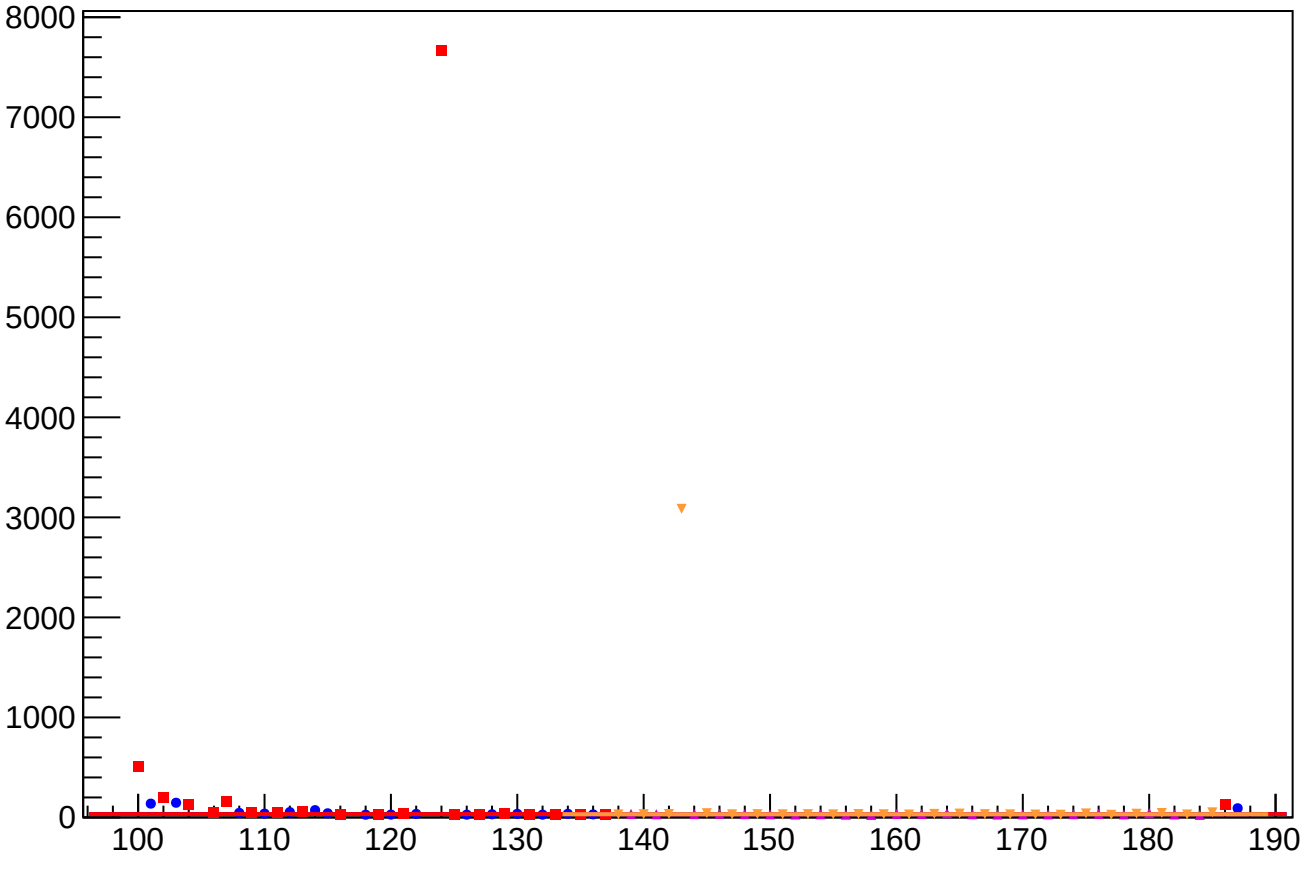
Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

Right: -0.004+/-0.010 χ^2/NDF: 42.3/36

In: -0.003+/-0.007 χ^2/NDF:42.8/39

Out: -0.010+/-0.007 χ^2/NDF:59.8/44

All: -0.006+/-0.005 χ^2/NDF: 103.0/84



Right In: 34.326+/-0.010 χ^2/NDF: 1861190.0/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 33.580+/-0.010 χ^2/NDF: 2522669.4/19

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

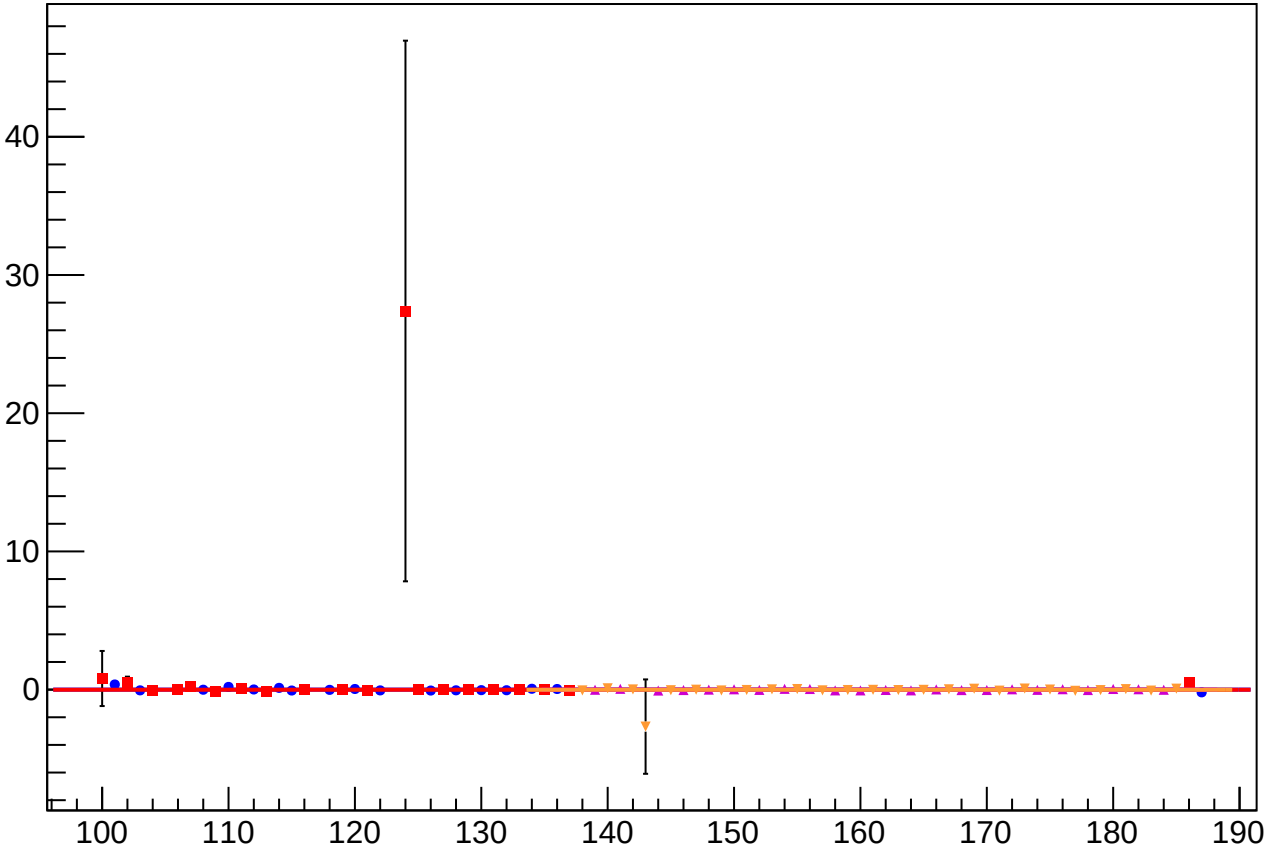
Right: 33.956+/-0.007 χ^2/NDF: 4386412.5/36

In: 32.880+/-0.005 χ^2/NDF:2312704.8/39

Out: 32.584+/-0.005 χ^2/NDF:4655397.2/44

All: 32.731+/-0.004 χ^2/NDF: 6969783.6/84

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.009+/-0.015 χ^2/NDF: 20.2/19

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

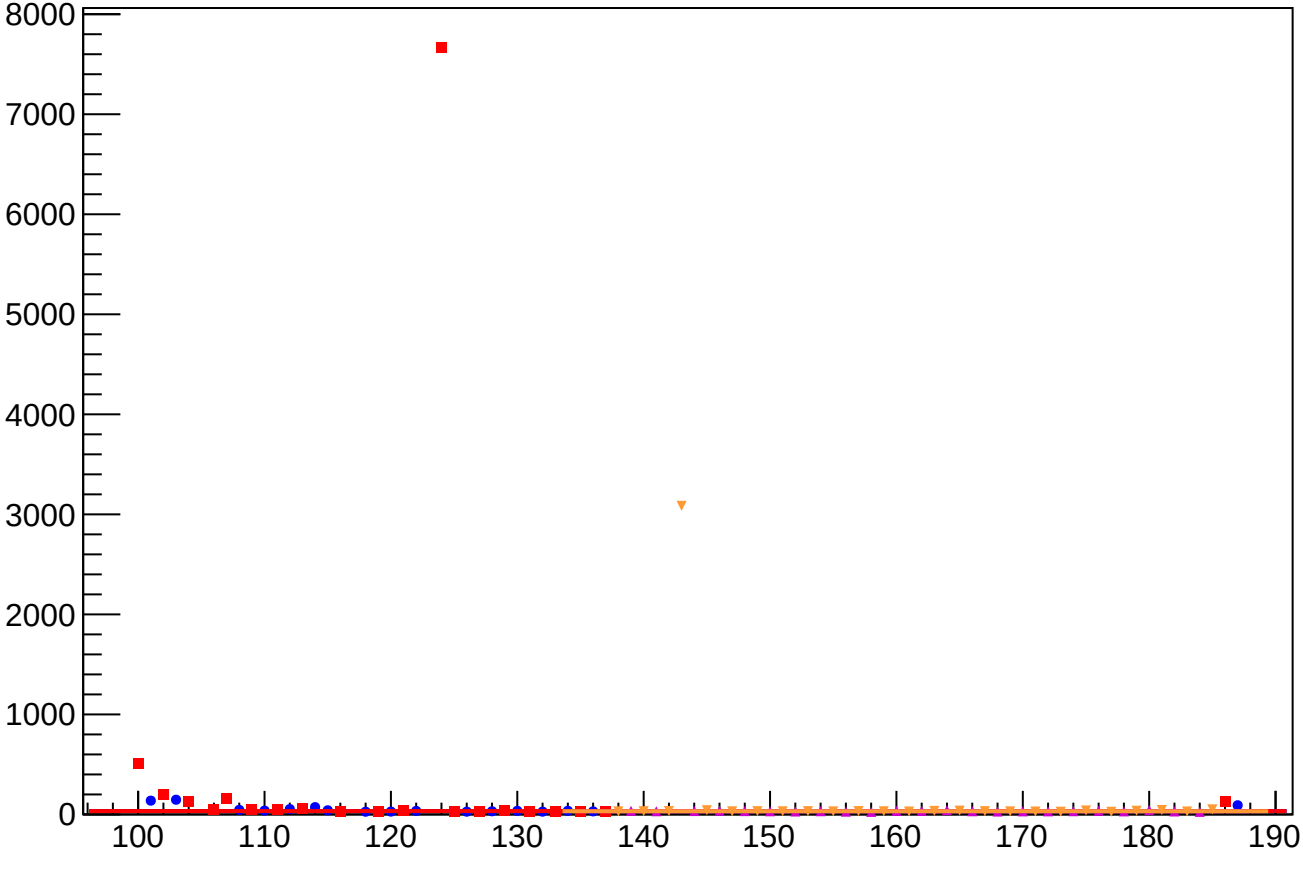
Right: -0.004+/-0.010 χ^2/NDF: 42.3/36

In: -0.003+/-0.007 χ^2/NDF:42.8/39

Out: -0.010+/-0.007 χ^2/NDF:59.8/44

All: -0.006+/-0.005 χ^2/NDF: 103.0/84

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.326+/-0.010 χ^2/NDF: 1861190.0/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 33.580+/-0.010 χ^2/NDF: 2522669.4/19

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

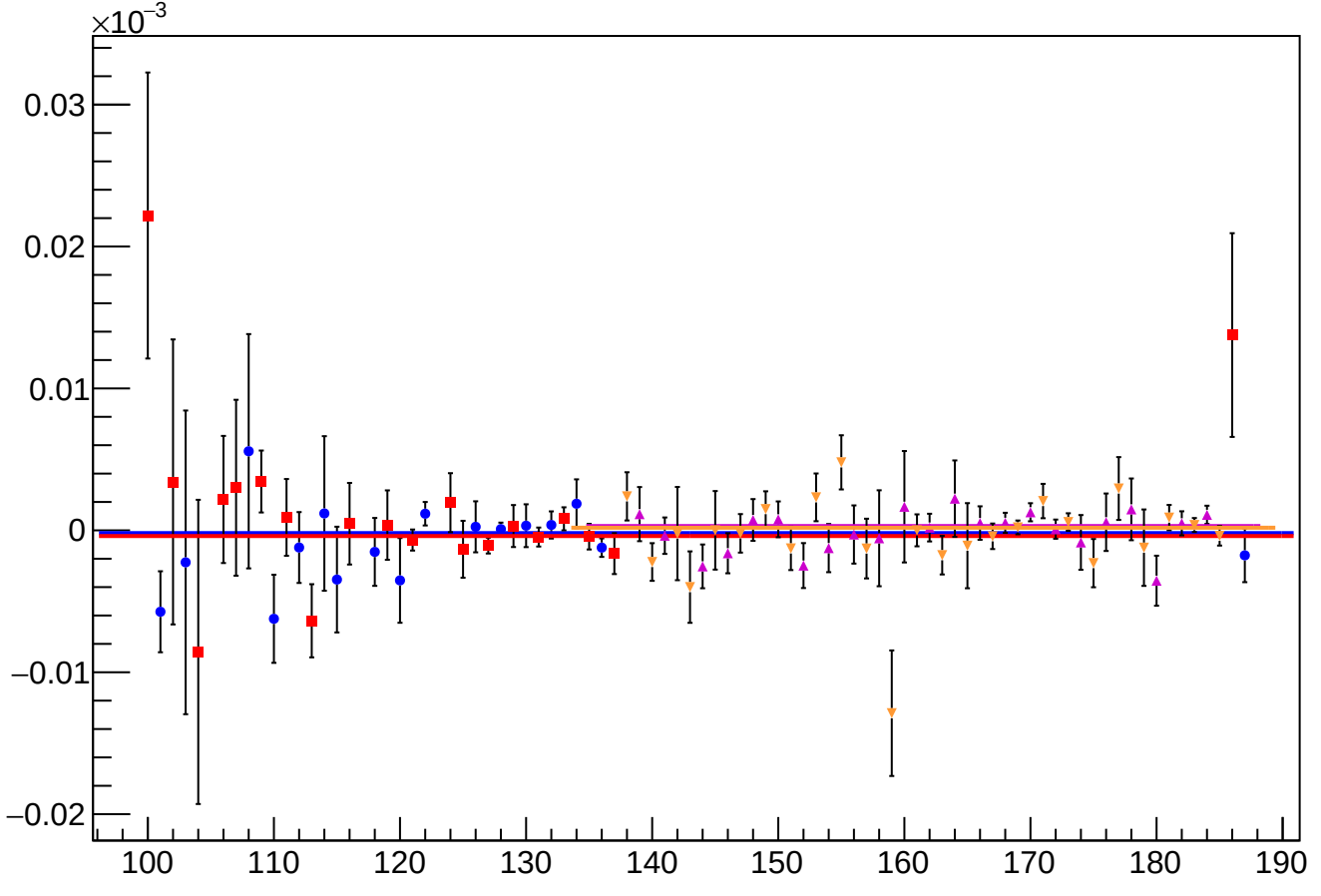
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 33.956+/-0.007 χ^2/NDF: 4386412.5/36

In: 32.880+/-0.005 χ^2/NDF:2312704.8/39

Out: 32.584+/-0.005 χ^2/NDF:4655397.2/44

All: 32.731+/-0.004 χ^2/NDF: 6969783.6/84



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/19

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

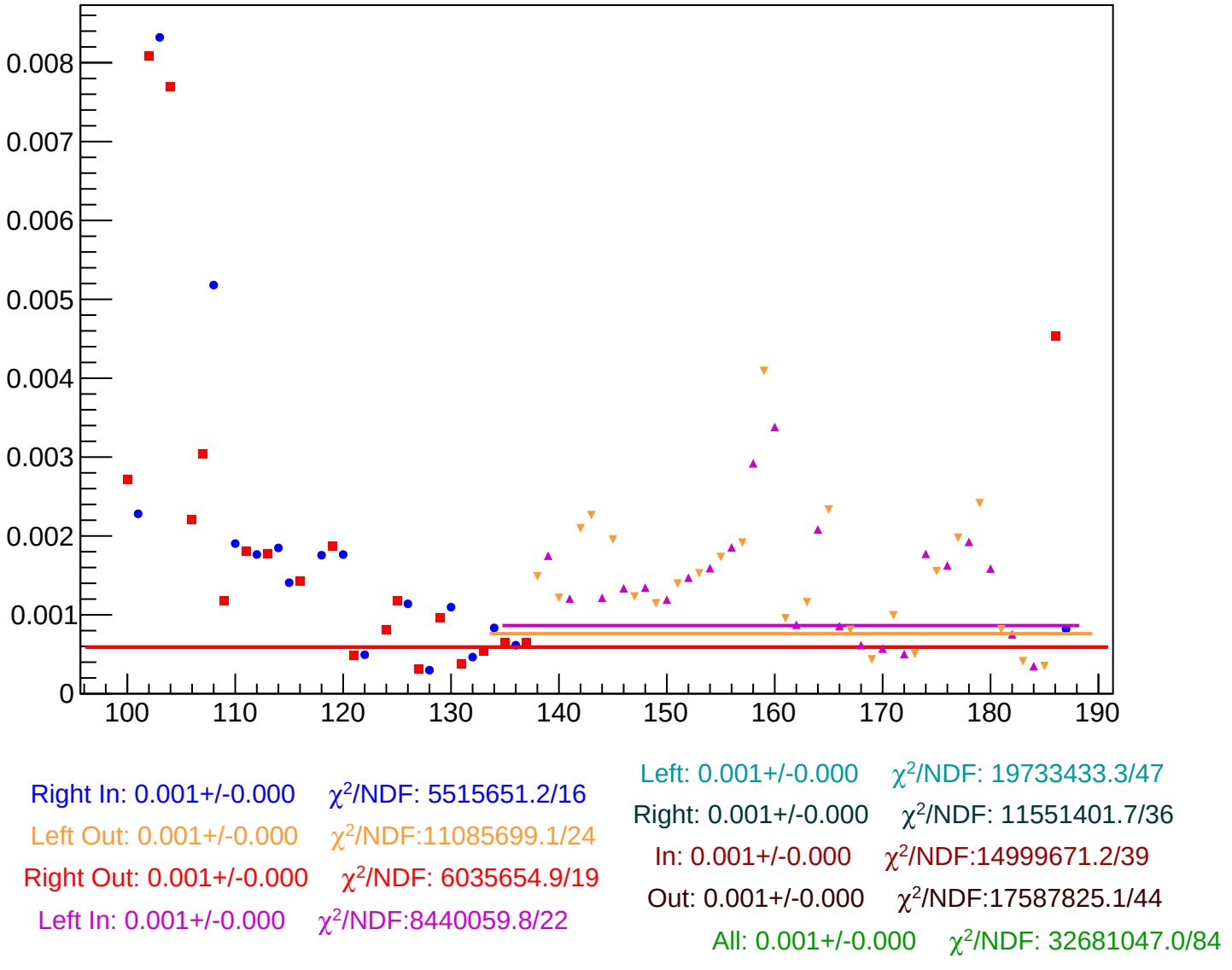
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

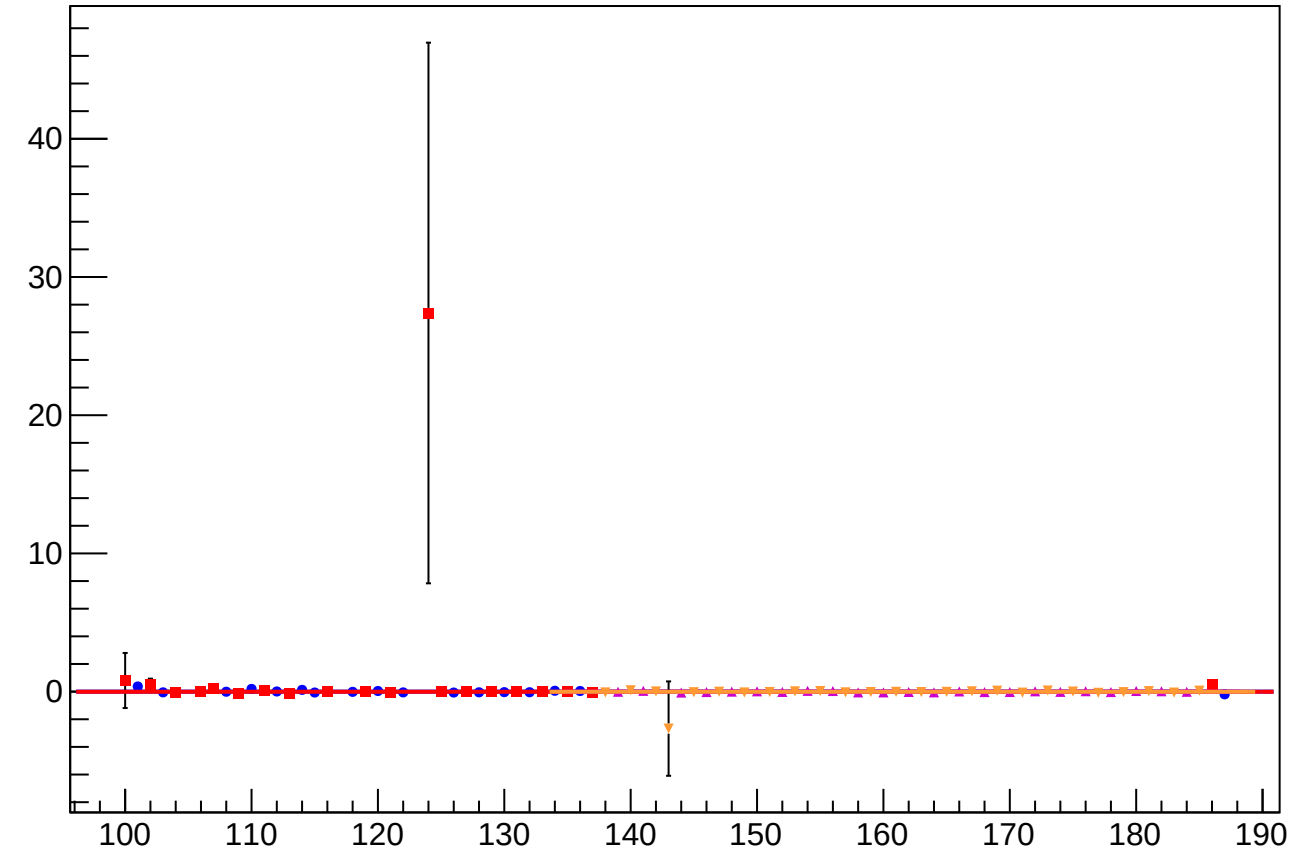
Right: -0.000+/-0.000 χ^2/NDF: 44.6/36

In: 0.000+/-0.000 χ^2/NDF:40.9/39

Out: -0.000+/-0.000 χ^2/NDF:65.7/44

All: 0.000+/-0.000 χ^2/NDF: 106.8/84


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 5515651.2/16
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 6035654.9/19
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
Left: 0.001+/-0.000 χ²/NDF: 19733433.3/47
Right: 0.001+/-0.000 χ²/NDF: 11551401.7/36
In: 0.001+/-0.000 χ²/NDF:14999671.2/39
Out: 0.001+/-0.000 χ²/NDF:17587825.1/44
All: 0.001+/-0.000 χ²/NDF: 32681047.0/84



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.009+/-0.015 χ^2/NDF: 20.2/19

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

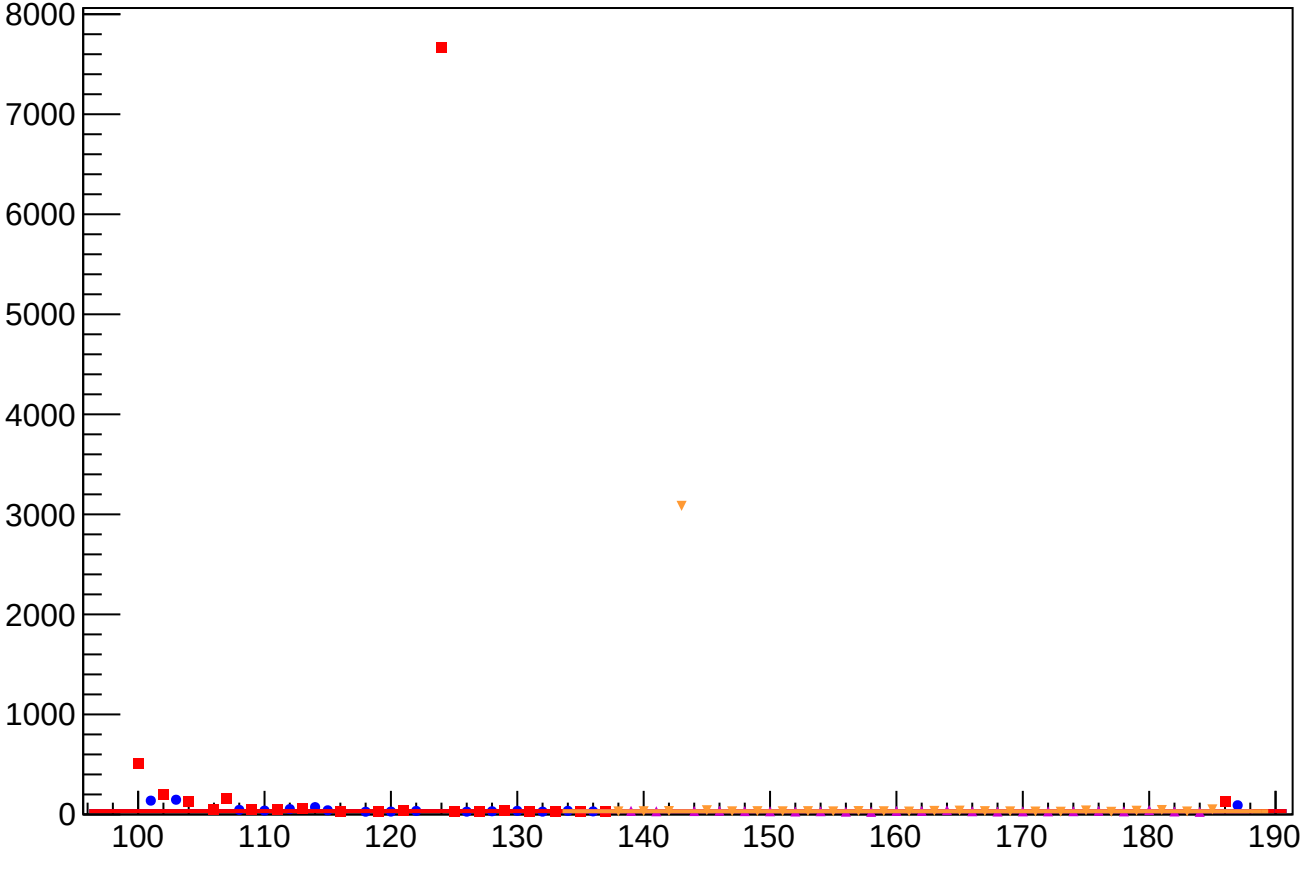
Right: -0.004+/-0.010 χ^2/NDF: 42.3/36

In: -0.003+/-0.007 χ^2/NDF:42.8/39

Out: -0.010+/-0.007 χ^2/NDF:59.8/44

All: -0.006+/-0.005 χ^2/NDF: 103.0/84

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.326+/-0.010 χ^2/NDF: 1861178.1/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 33.580+/-0.010 χ^2/NDF: 2522658.9/19

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

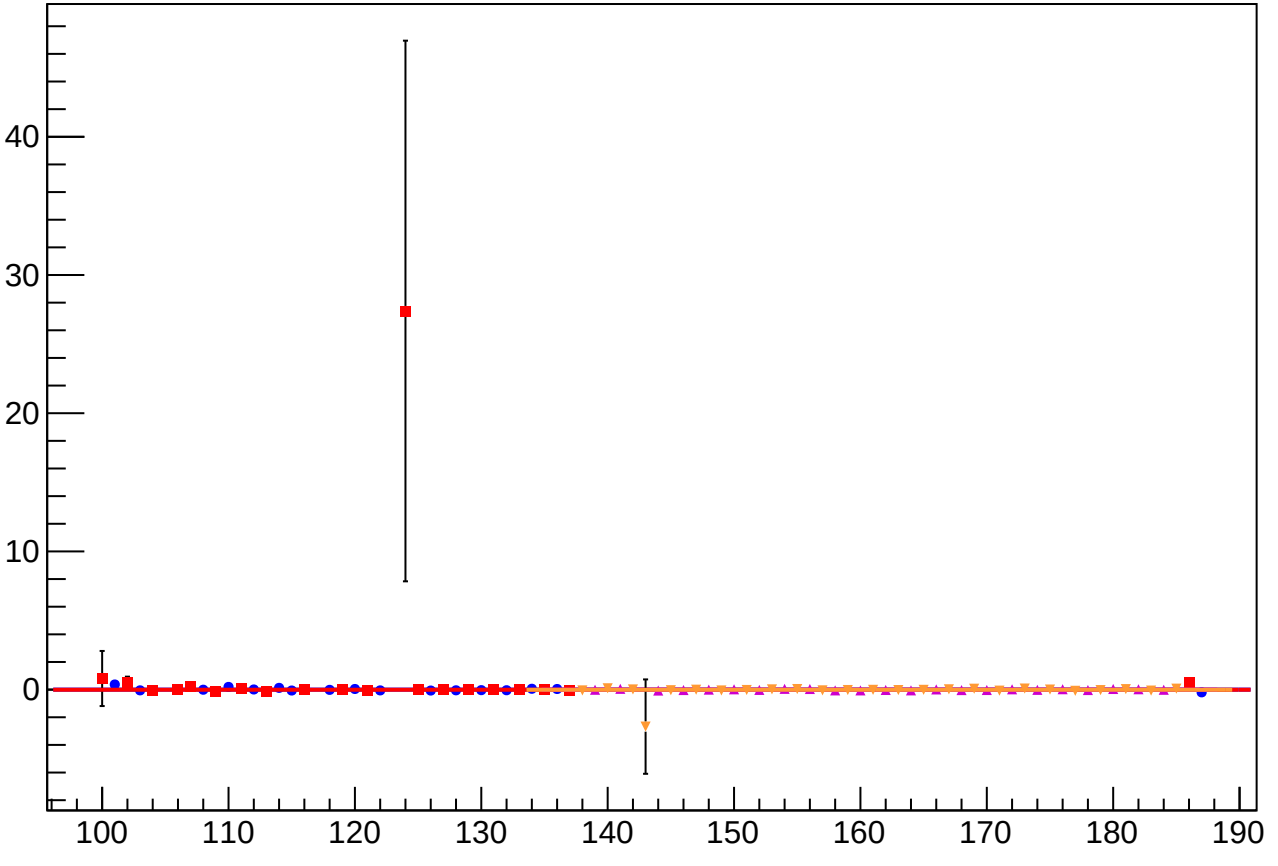
Right: 33.956+/-0.007 χ^2/NDF: 4386391.0/36

In: 32.880+/-0.005 χ^2/NDF:2312603.8/39

Out: 32.584+/-0.005 χ^2/NDF:4655428.6/44

All: 32.732+/-0.004 χ^2/NDF: 6969717.1/84

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.009+/-0.015 χ^2/NDF: 20.2/19

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

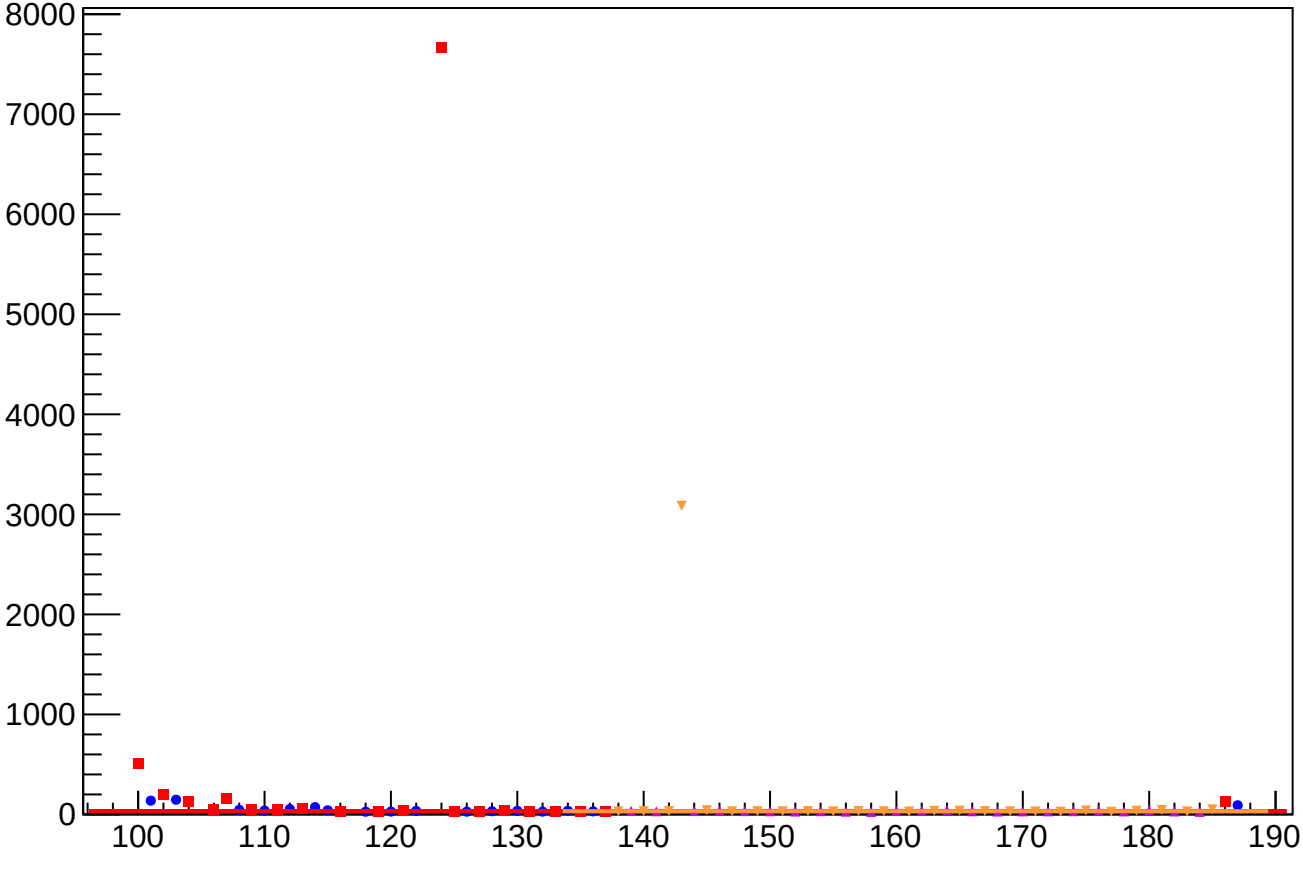
Right: -0.004+/-0.010 χ^2/NDF: 42.3/36

In: -0.003+/-0.007 χ^2/NDF:42.8/39

Out: -0.010+/-0.007 χ^2/NDF:59.8/44

All: -0.006+/-0.005 χ^2/NDF: 103.0/84

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.326+/-0.010 χ^2/NDF: 1861178.1/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 33.580+/-0.010 χ^2/NDF: 2522658.9/19

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

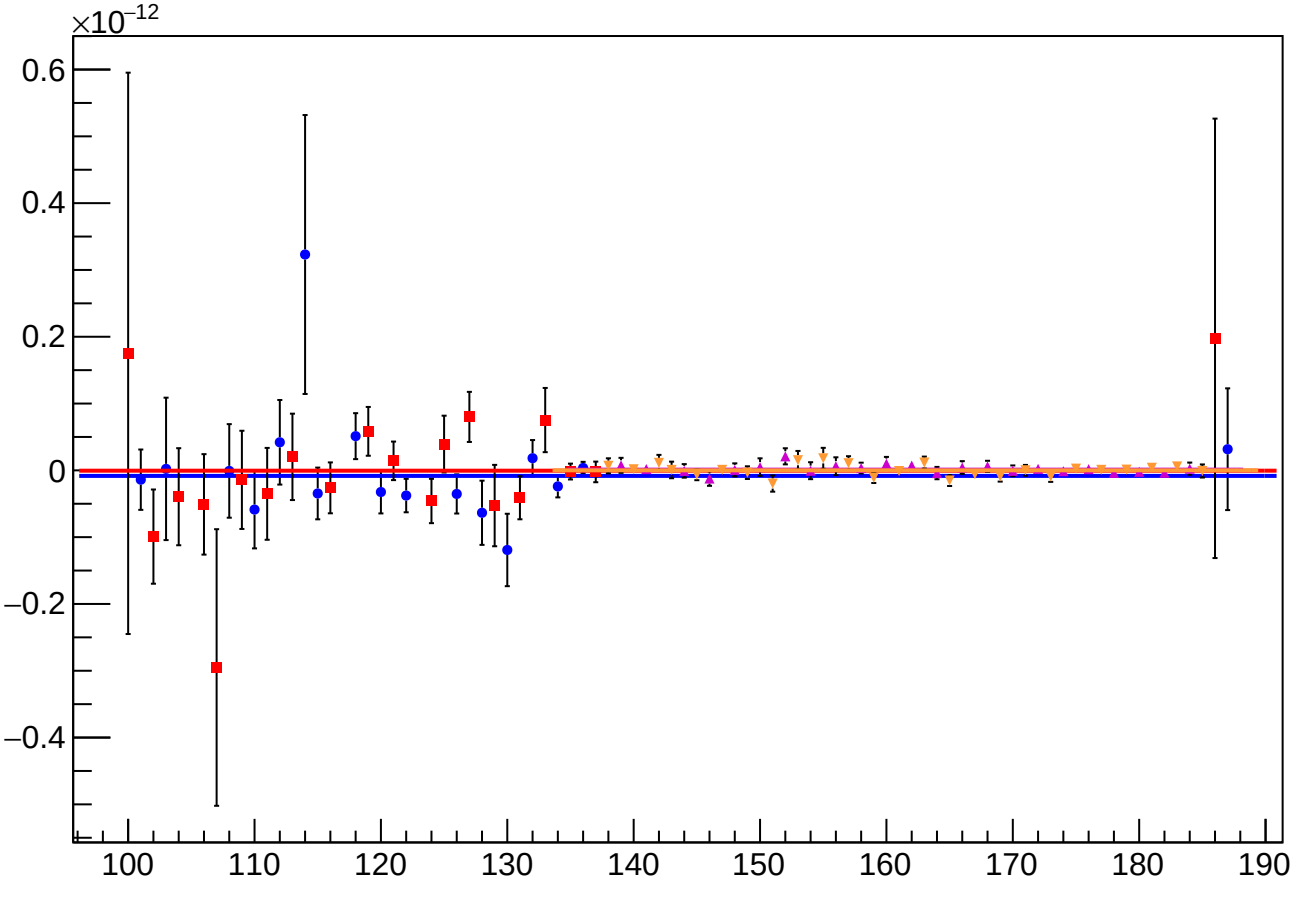
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 33.956+/-0.007 χ^2/NDF: 4386391.0/36

In: 32.880+/-0.005 χ^2/NDF:2312603.8/39

Out: 32.584+/-0.005 χ^2/NDF:4655428.6/44

All: 32.732+/-0.004 χ^2/NDF: 6969717.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/19

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

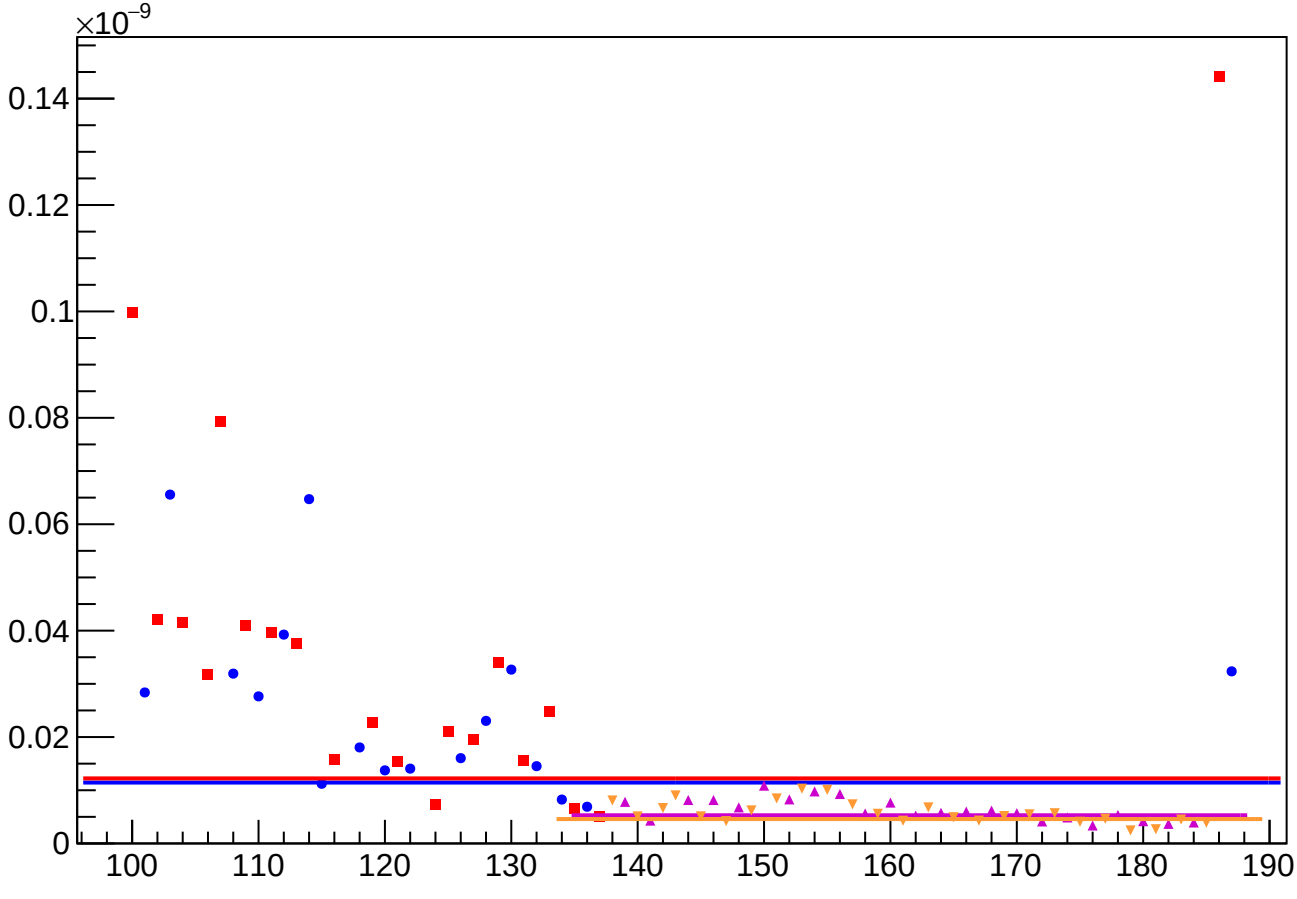
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 41.3/36

In: 0.000+/-0.000 χ^2/NDF:30.6/39

Out: 0.000+/-0.000 χ^2/NDF:42.2/44

All: 0.000+/-0.000 χ^2/NDF: 72.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 2919323.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4079758.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

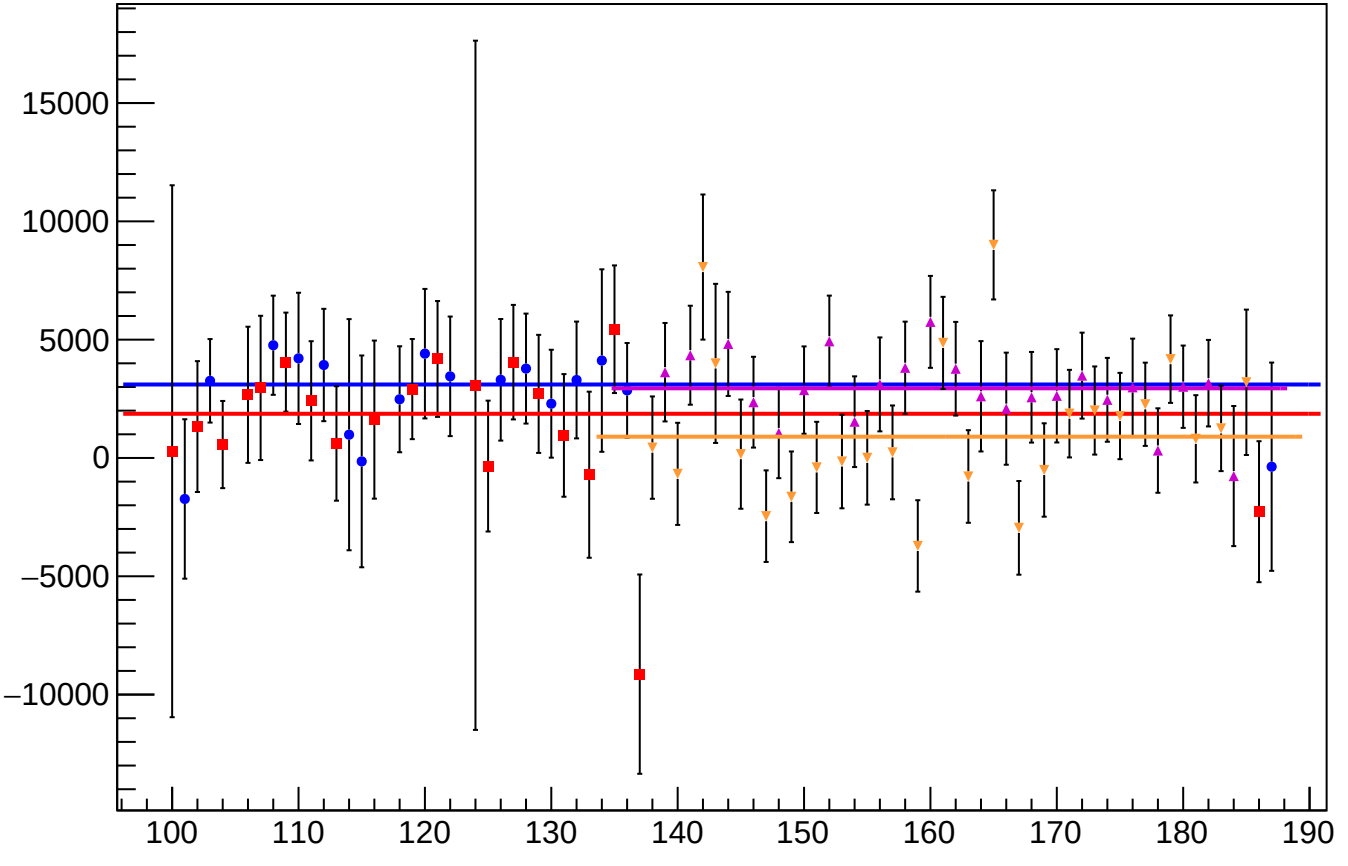
Right: 0.000+/-0.000 χ^2/NDF: 7012161.6/36

In: 0.000+/-0.000 χ^2/NDF:6892343.1/39

Out: 0.000+/-0.000 χ^2/NDF:9013804.2/44

All: 0.000+/-0.000 χ^2/NDF: 16185587.7/84

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3104.864+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1867.270+/-608.398 χ^2/NDF: 16.1/19

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

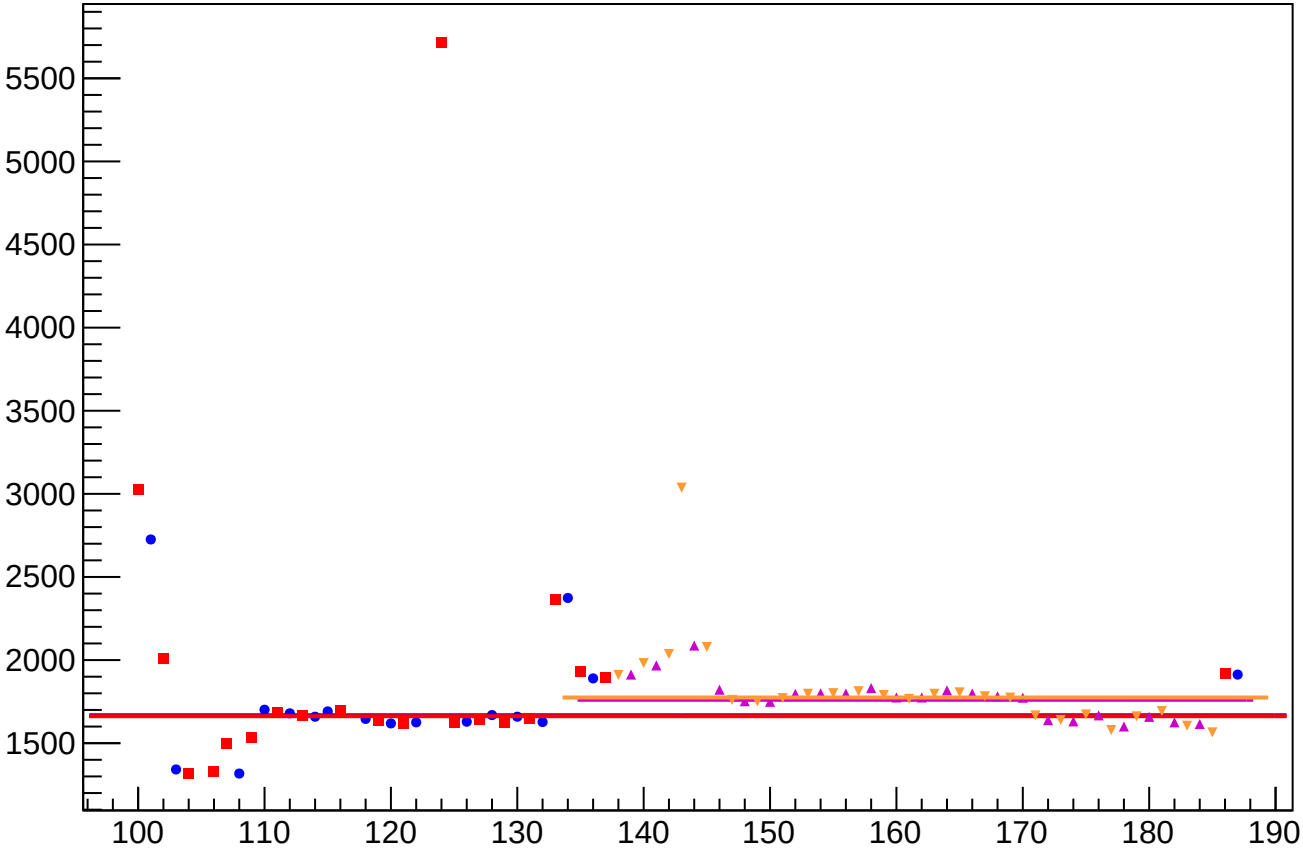
Right: 2472.690+/-434.827 χ^2/NDF: 23.0/36

In: 2992.604+/-343.472 χ^2/NDF:15.5/39

Out: 1196.816+/-337.445 χ^2/NDF:63.1/44

All: 2078.817+/-240.712 χ^2/NDF: 92.5/84

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1667.887+/-0.440 χ^2/NDF: 421946.9/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1662.375+/-0.430 χ^2/NDF: 447129.6/19

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

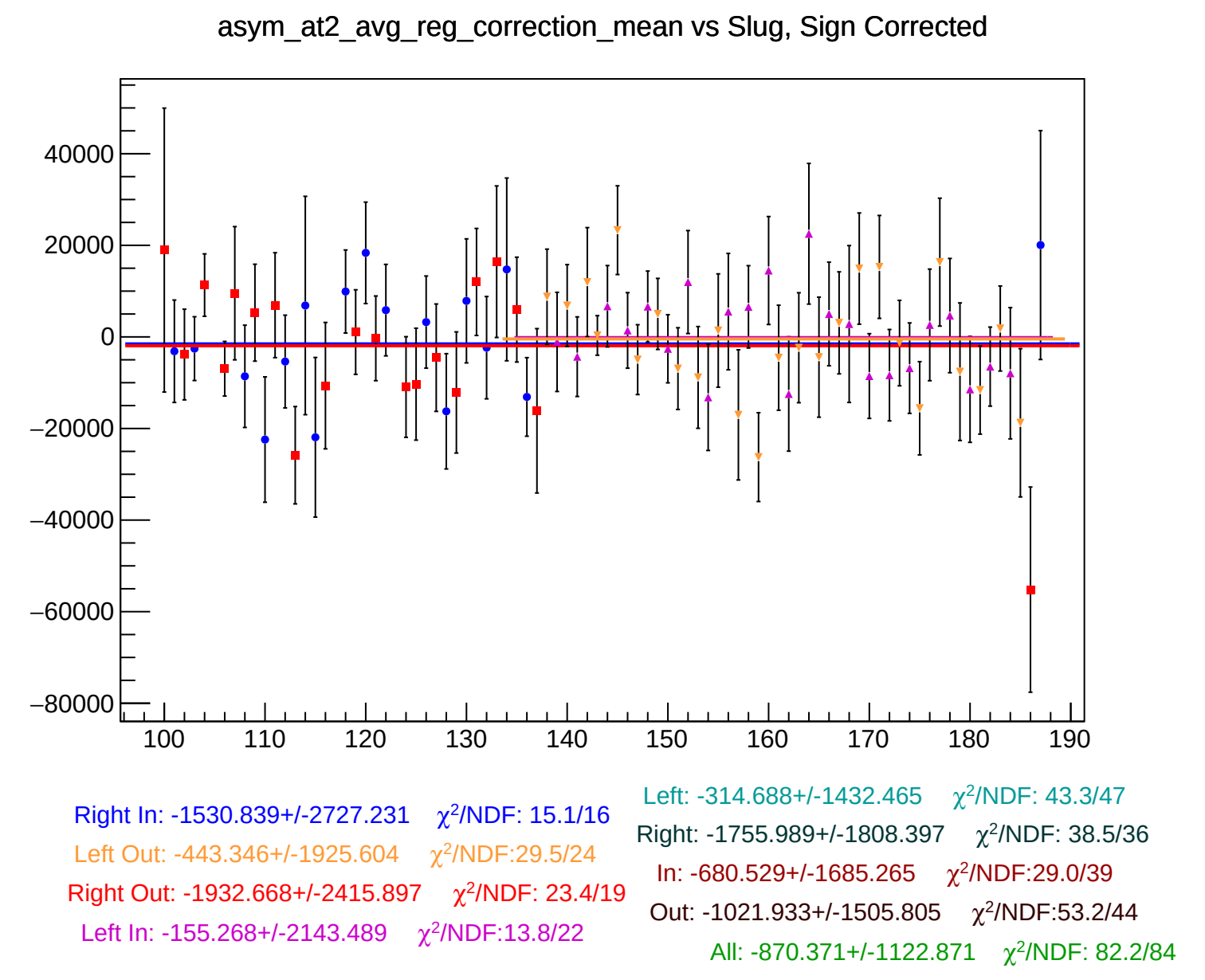
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

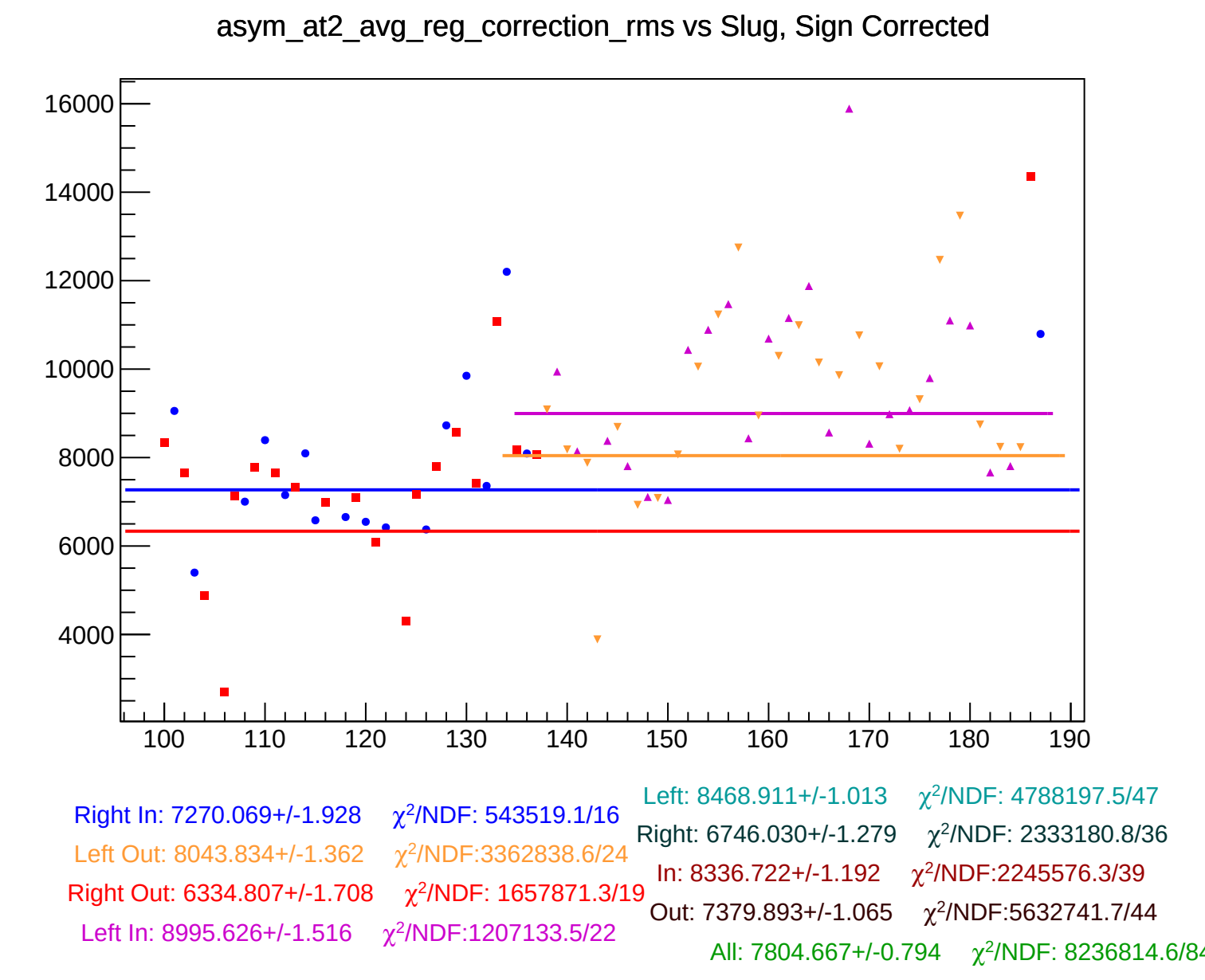
Right: 1665.071+/-0.307 χ^2/NDF: 869156.8/36

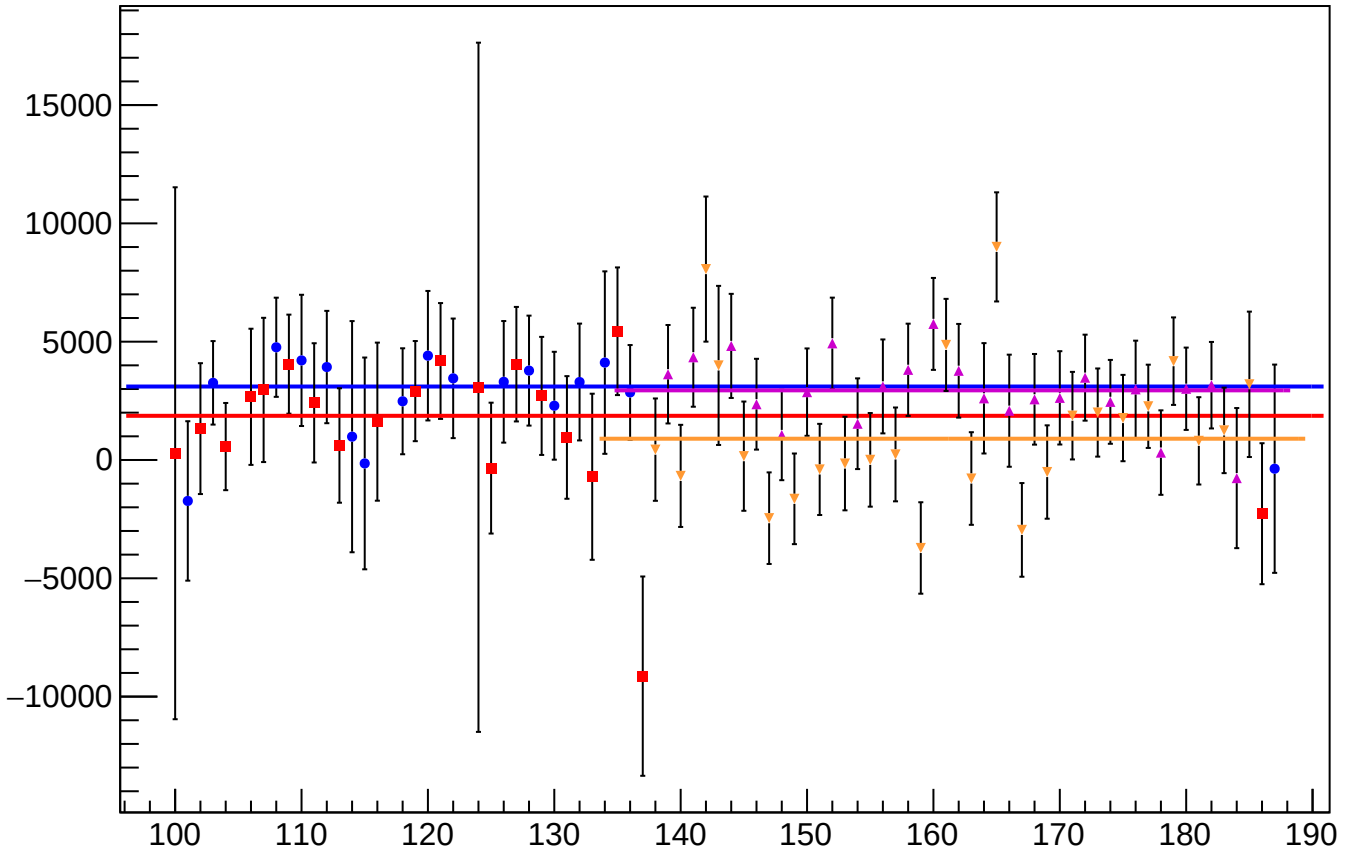
In: 1732.641+/-0.243 χ^2/NDF:599443.2/39

Out: 1740.166+/-0.239 χ^2/NDF:941251.7/44

All: 1736.470+/-0.170 χ^2/NDF: 1541183.5/84


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: -1530.839+/-2727.231 χ²/NDF: 15.1/16
Left Out: -443.346+/-1925.604 χ²/NDF:29.5/24
Right Out: -1932.668+/-2415.897 χ²/NDF: 23.4/19
Left In: -155.268+/-2143.489 χ²/NDF:13.8/22
Left: -314.688+/-1432.465 χ²/NDF: 43.3/47
Right: -1755.989+/-1808.397 χ²/NDF: 38.5/36
In: -680.529+/-1685.265 χ²/NDF:29.0/39
Out: -1021.933+/-1505.805 χ²/NDF:53.2/44
All: -870.371+/-1122.871 χ²/NDF: 82.2/84


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7270.069+/-1.928 χ²/NDF: 543519.1/16
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 6334.807+/-1.708 χ²/NDF: 1657871.3/19
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 6746.030+/-1.279 χ²/NDF: 2333180.8/36
In: 8336.722+/-1.192 χ²/NDF:2245576.3/39
Out: 7379.893+/-1.065 χ²/NDF:5632741.7/44
All: 7804.667+/-0.794 χ²/NDF: 8236814.6/84



Right In: 3104.959+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1867.090+/-608.398 χ^2/NDF: 16.1/19

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

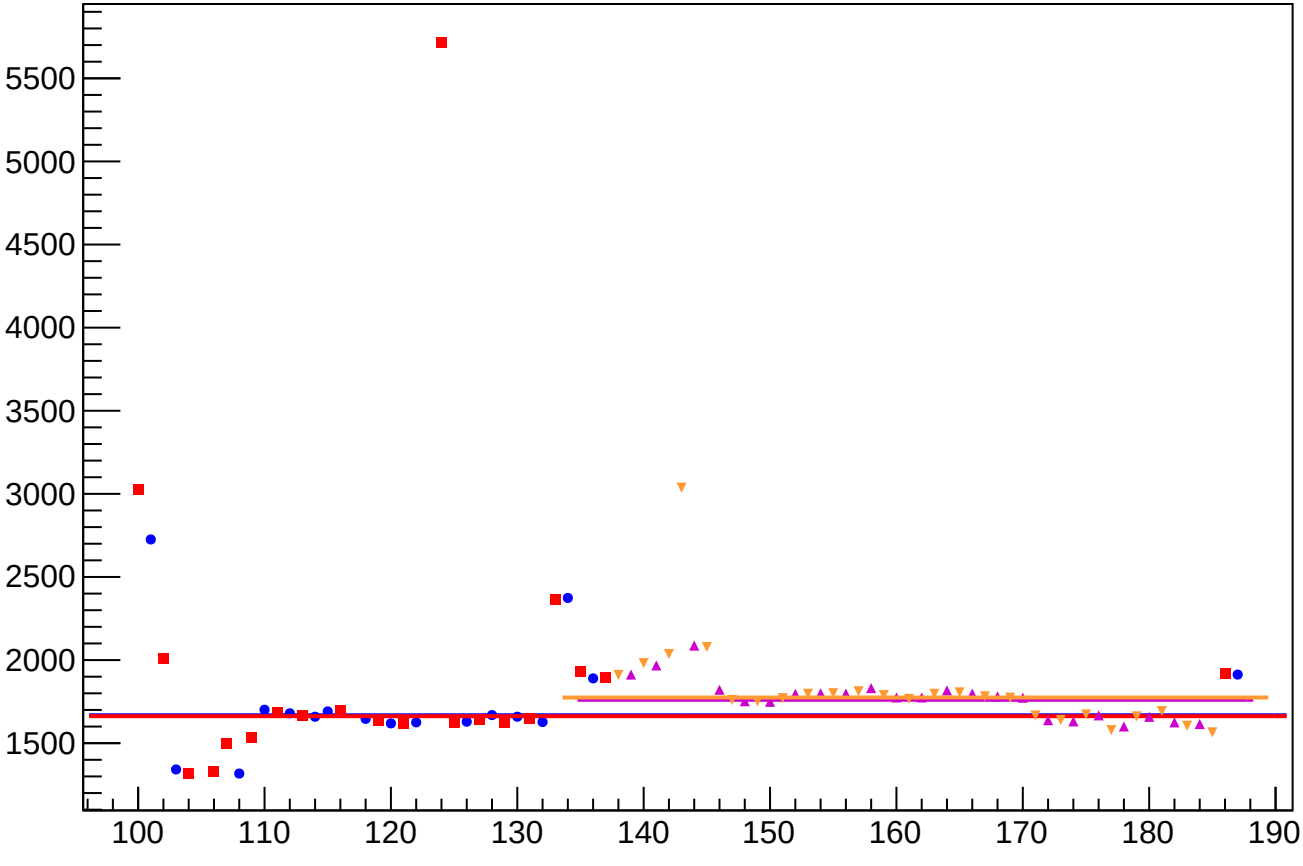
Right: 2472.645+/-434.827 χ^2/NDF: 23.0/36

In: 2992.555+/-343.472 χ^2/NDF:15.5/39

Out: 1196.706+/-337.445 χ^2/NDF:63.1/44

All: 2078.737+/-240.712 χ^2/NDF: 92.5/84

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1667.886+/-0.440 χ^2/NDF: 421947.2/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1662.375+/-0.430 χ^2/NDF: 447129.6/19

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

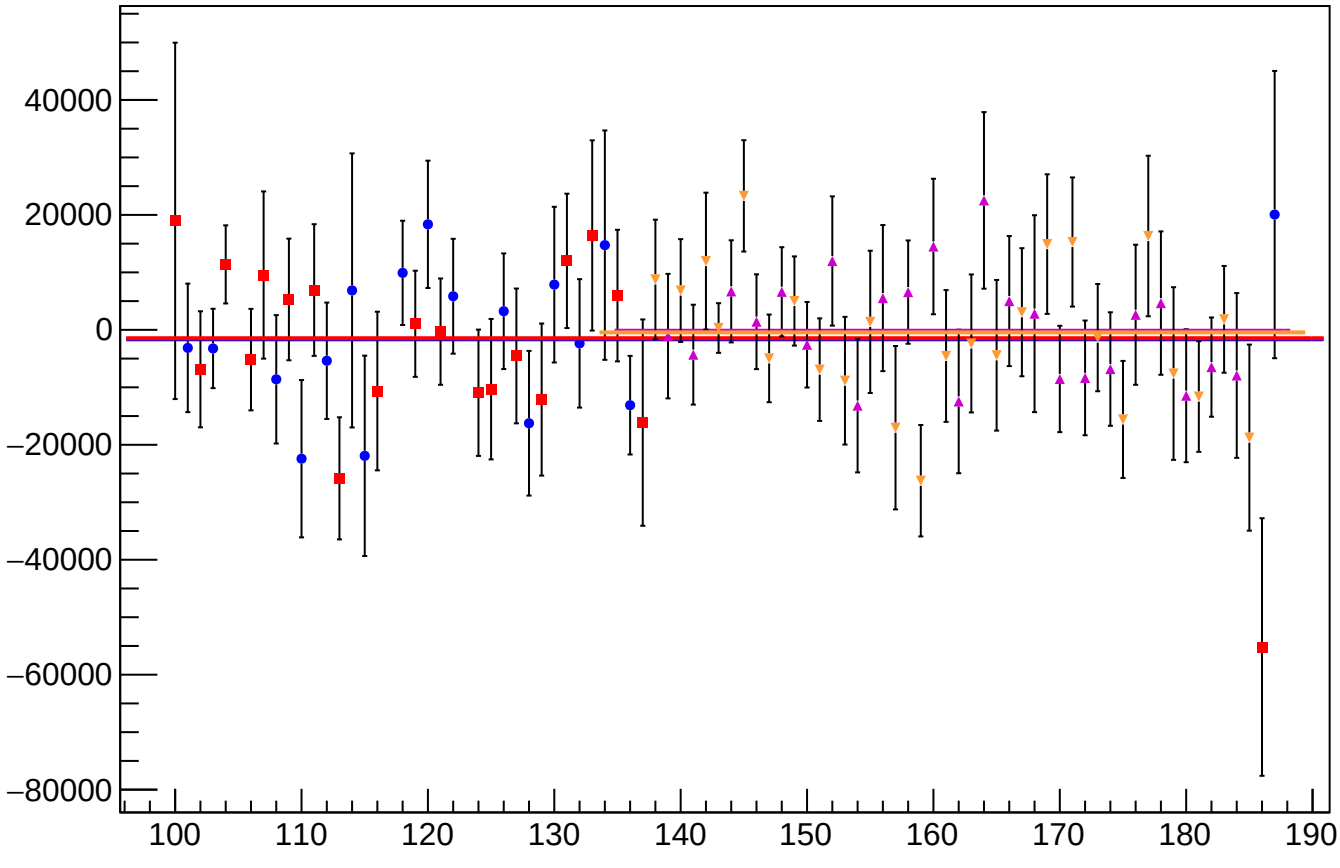
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1665.071+/-0.307 χ^2/NDF: 869157.1/36

In: 1732.641+/-0.243 χ^2/NDF:599443.6/39

Out: 1740.166+/-0.239 χ^2/NDF:941251.9/44

All: 1736.470+/-0.170 χ^2/NDF: 1541184.1/84



Right In: -1639.332+/-2723.633 χ^2/NDF: 15.1/16

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -1458.331+/-2533.590 χ^2/NDF: 23.1/19

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

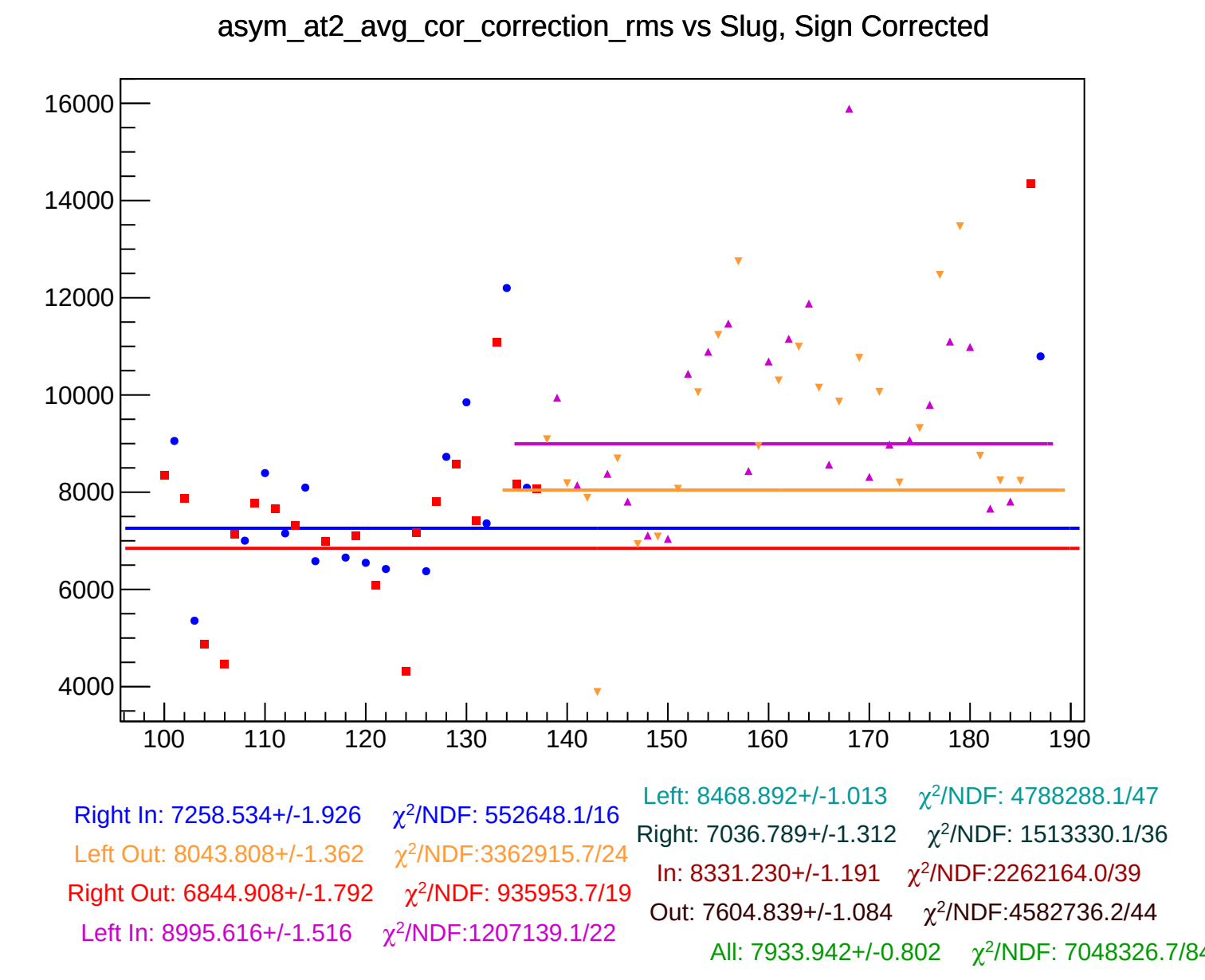
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

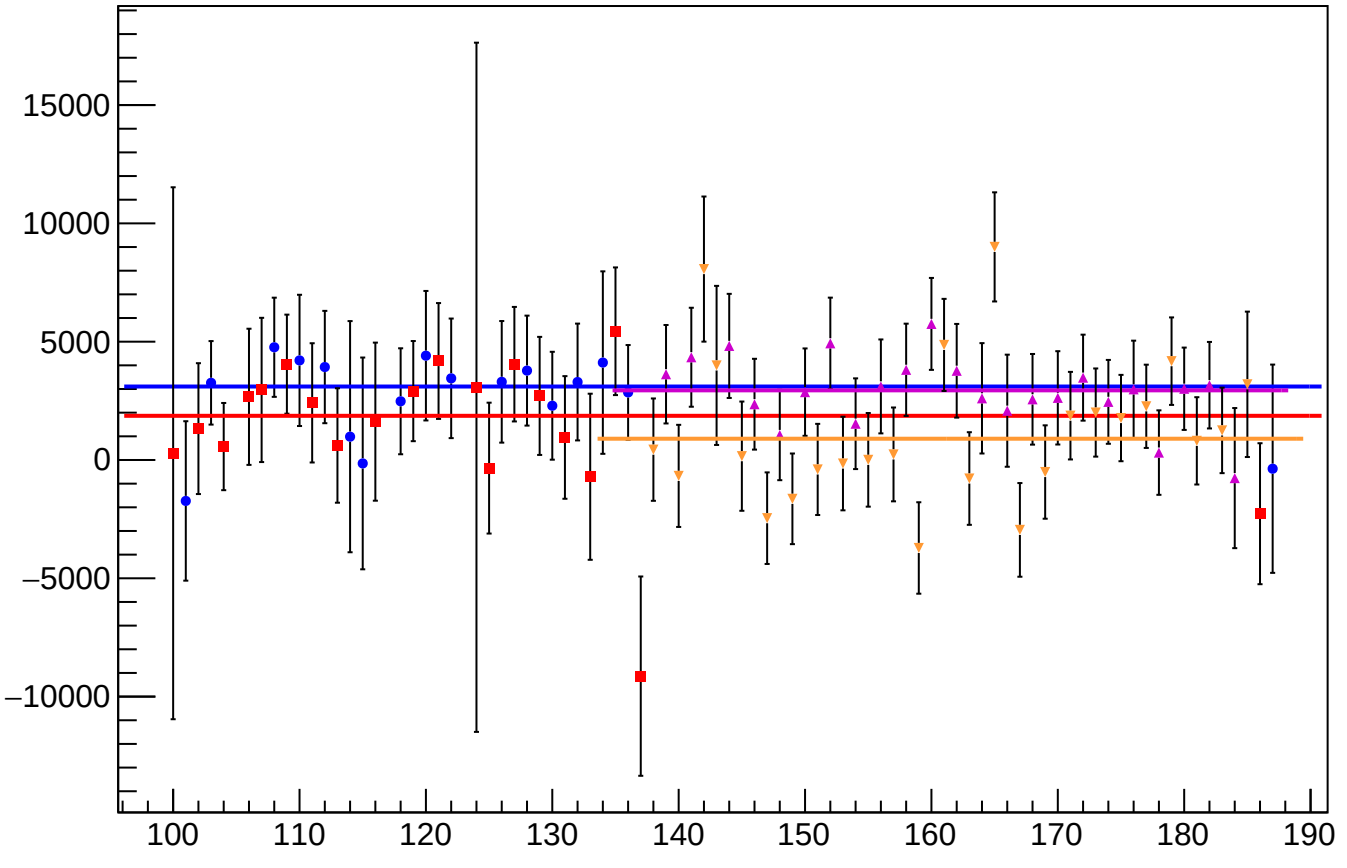
Right: -1542.297+/-1855.068 χ^2/NDF: 38.2/36

In: -722.864+/-1684.414 χ^2/NDF:29.1/39

Out: -815.002+/-1533.069 χ^2/NDF:52.7/44

All: -773.258+/-1133.782 χ^2/NDF: 81.8/84


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7258.534+/-1.926 χ²/NDF: 552648.1/16
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 6844.908+/-1.792 χ²/NDF: 935953.7/19
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7036.789+/-1.312 χ²/NDF: 1513330.1/36
In: 8331.230+/-1.191 χ²/NDF:2262164.0/39
Out: 7604.839+/-1.084 χ²/NDF:4582736.2/44
All: 7933.942+/-0.802 χ²/NDF: 7048326.7/84



Right In: 3104.959+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1867.090+/-608.398 χ^2/NDF: 16.1/19

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

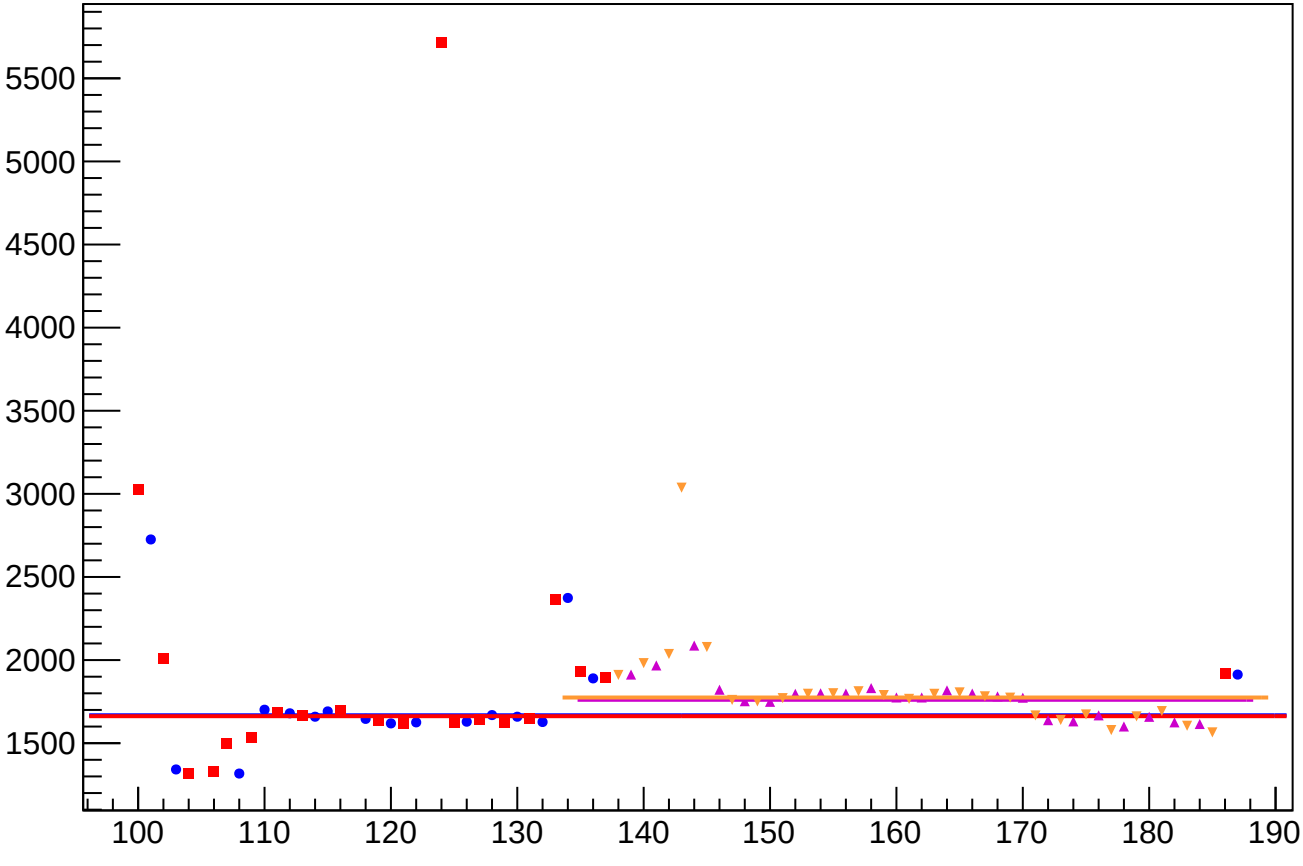
Right: 2472.645+/-434.827 χ^2/NDF: 23.0/36

In: 2992.555+/-343.472 χ^2/NDF:15.5/39

Out: 1196.706+/-337.445 χ^2/NDF:63.1/44

All: 2078.737+/-240.712 χ^2/NDF: 92.5/84

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1667.886+/-0.440 χ^2/NDF: 421947.2/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1662.375+/-0.430 χ^2/NDF: 447129.6/19

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

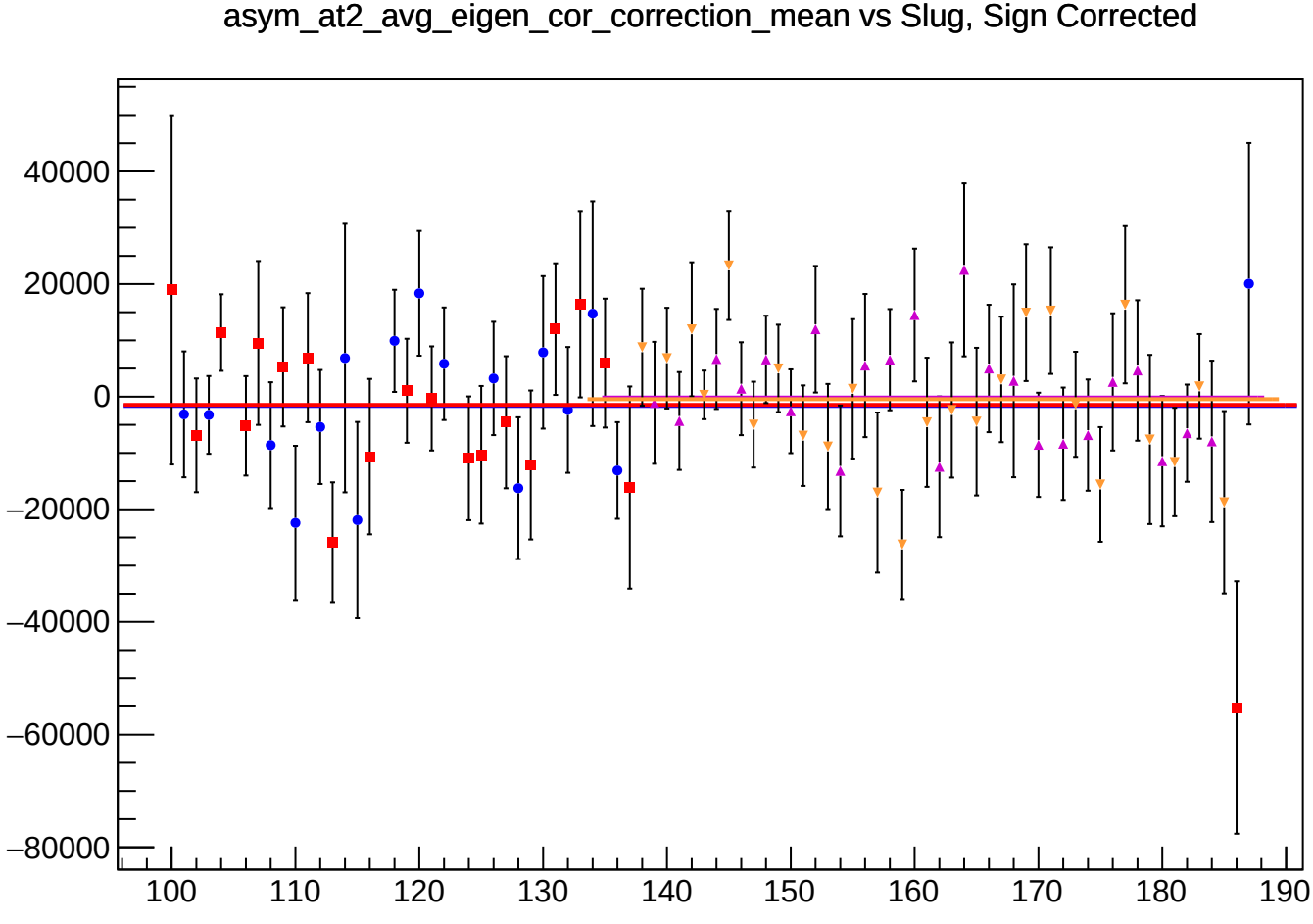
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1665.071+/-0.307 χ^2/NDF: 869157.1/36

In: 1732.641+/-0.243 χ^2/NDF:599443.6/39

Out: 1740.166+/-0.239 χ^2/NDF:941251.9/44

All: 1736.470+/-0.170 χ^2/NDF: 1541184.1/84



Right In: -1639.332+/-2723.633 χ^2/NDF: 15.1/16

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -1458.331+/-2533.590 χ^2/NDF: 23.1/19

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

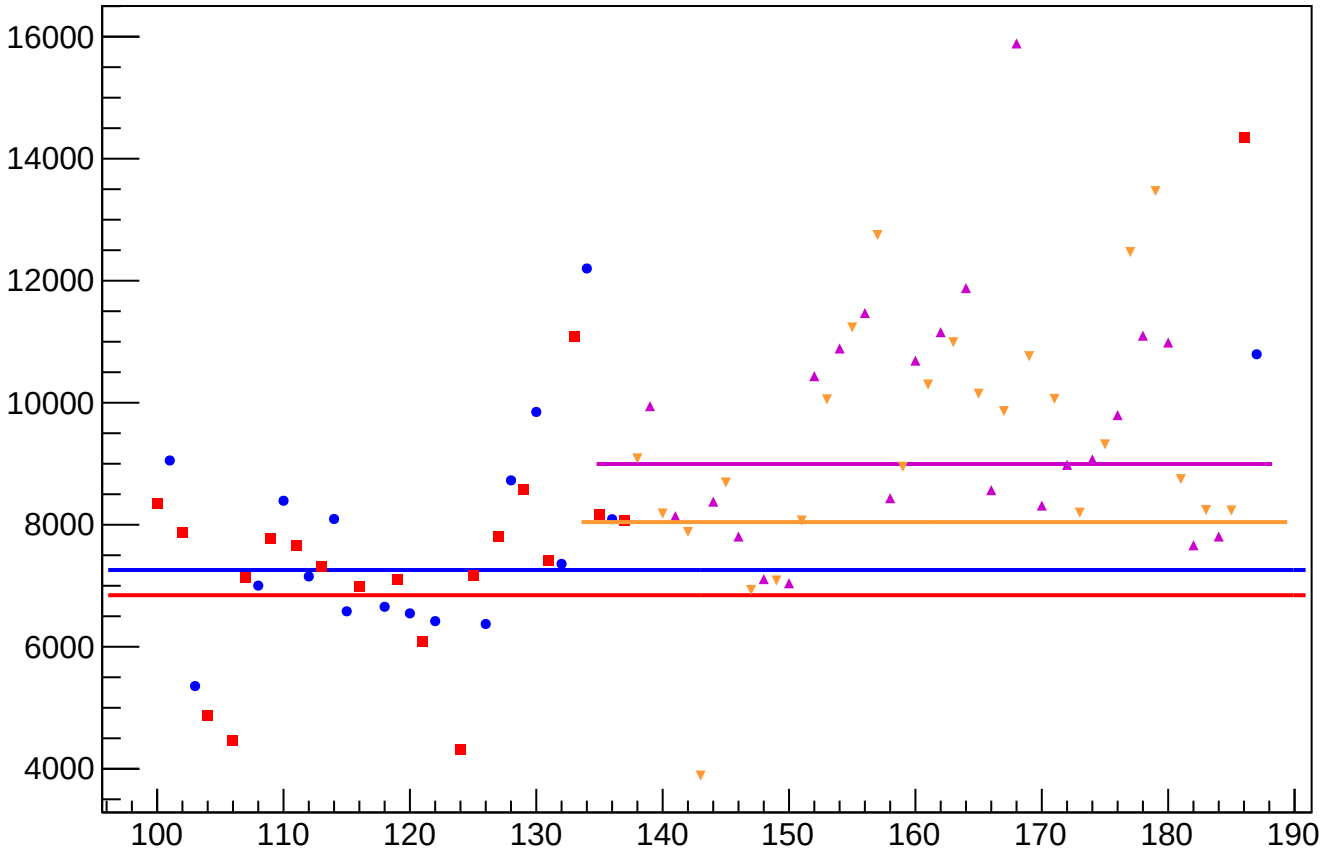
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1542.297+/-1855.068 χ^2/NDF: 38.2/36

In: -722.864+/-1684.414 χ^2/NDF:29.1/39

Out: -815.002+/-1533.069 χ^2/NDF:52.7/44

All: -773.258+/-1133.782 χ^2/NDF: 81.8/84



Right In: 7258.534+/-1.926 χ^2/NDF: 552648.1/16

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 6844.908+/-1.792 χ^2/NDF: 935953.7/19

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

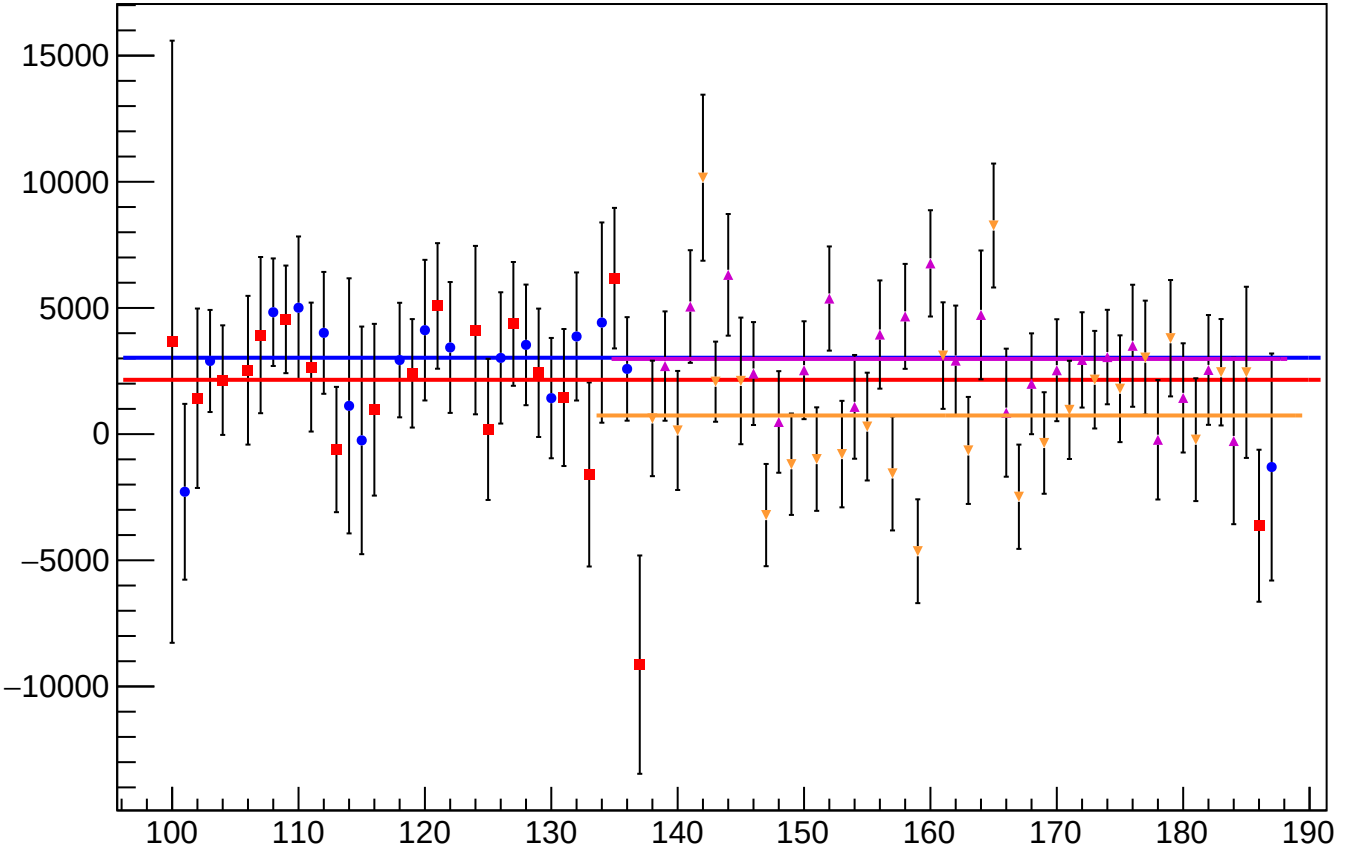
Right: 7036.789+/-1.312 χ^2/NDF: 1513330.1/36

In: 8331.230+/-1.191 χ^2/NDF:2262164.0/39

Out: 7604.839+/-1.084 χ^2/NDF:4582736.2/44

All: 7933.942+/-0.802 χ^2/NDF: 7048326.7/84

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3027.161+/-644.404 χ^2/NDF: 6.3/16

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2152.202+/-625.105 χ^2/NDF: 19.8/19

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

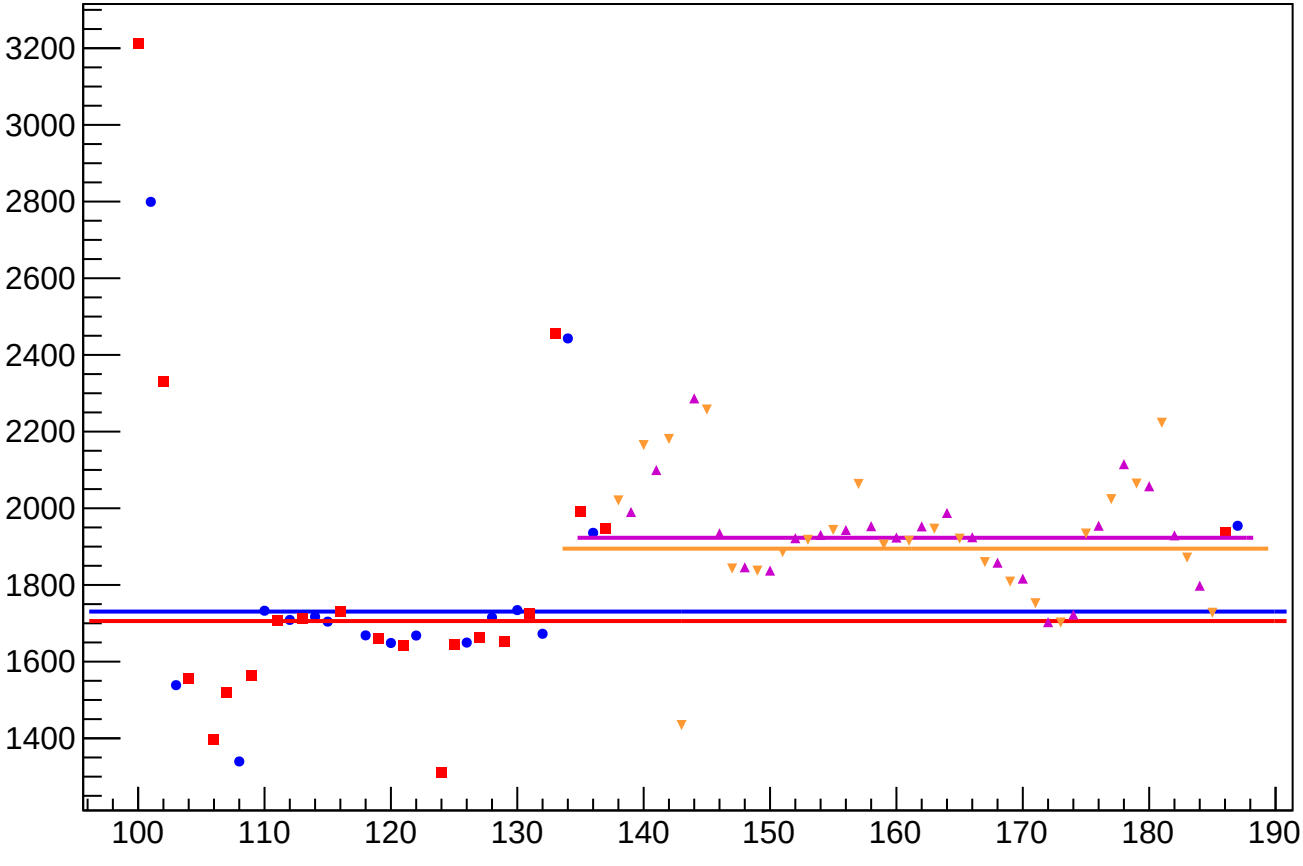
Right: 2576.384+/-448.684 χ^2/NDF: 27.0/36

In: 2994.954+/-369.130 χ^2/NDF:21.9/39

Out: 1197.058+/-355.879 χ^2/NDF:64.9/44

All: 2063.158+/-256.201 χ^2/NDF: 99.1/84

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1730.598+/-0.456 χ^2/NDF: 370689.8/16

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1705.810+/-0.442 χ^2/NDF: 297992.6/19

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

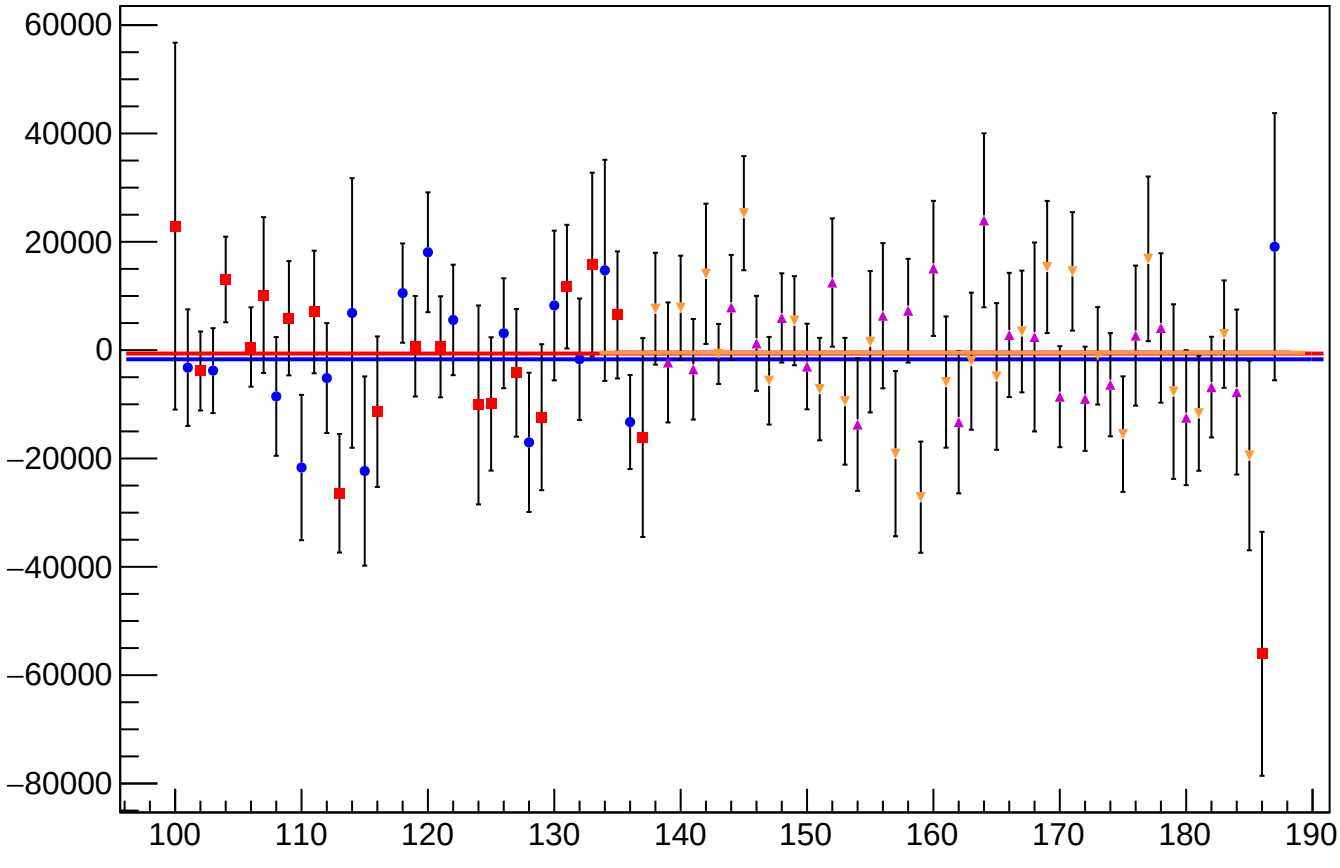
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1717.823+/-0.317 χ^2/NDF: 670207.6/36

In: 1859.894+/-0.261 χ^2/NDF:641505.0/39

Out: 1833.438+/-0.252 χ^2/NDF:790047.3/44

All: 1846.181+/-0.181 χ^2/NDF: 1436877.3/84



Right In: -1690.943+/-2780.464 χ^2/NDF: 15.1/16

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -631.332+/-2513.716 χ^2/NDF: 22.2/19

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

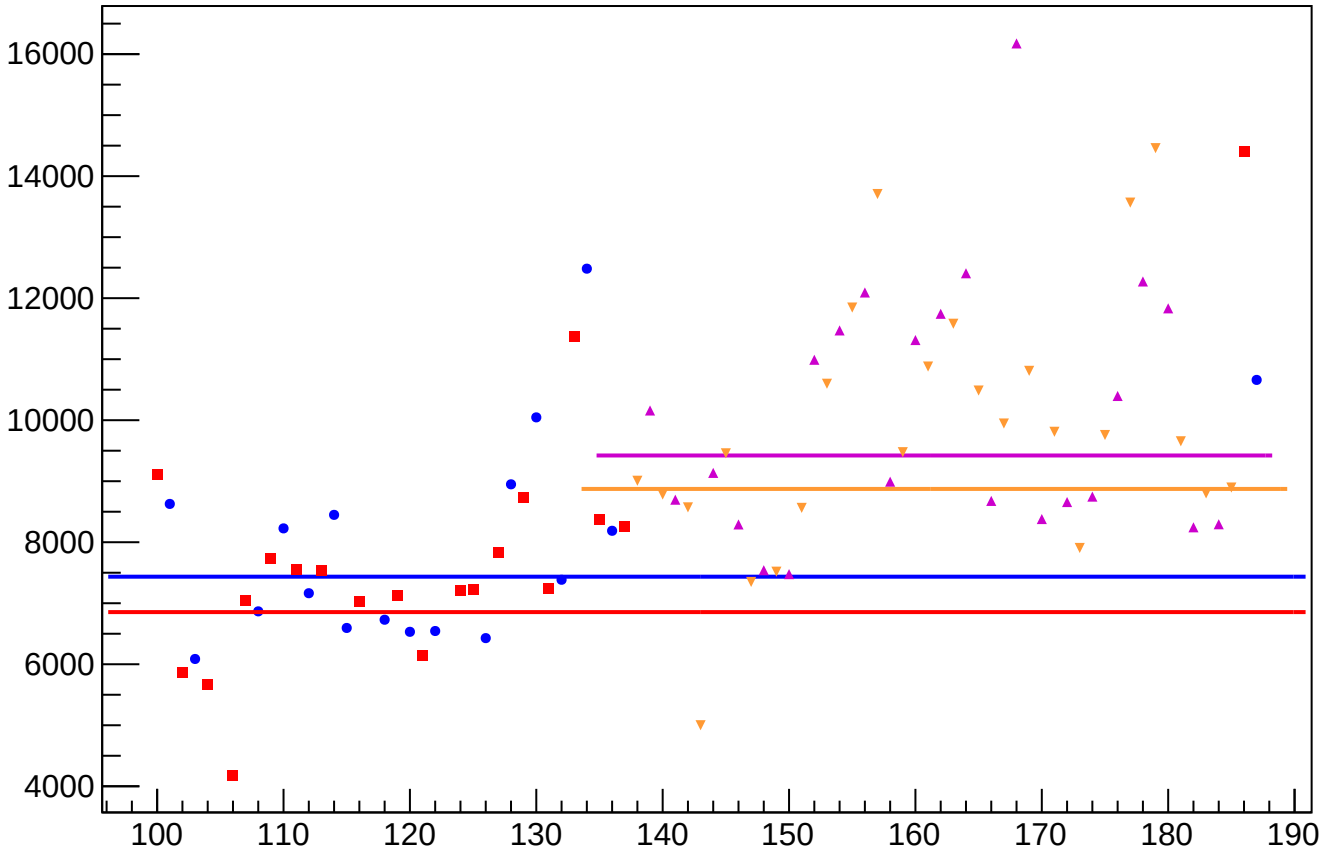
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -1107.884+/-1864.658 χ^2/NDF: 37.4/36

In: -931.740+/-1746.796 χ^2/NDF:28.8/39

Out: -541.436+/-1606.731 χ^2/NDF:51.1/44

All: -720.315+/-1182.552 χ^2/NDF: 79.9/84



Right In: 7435.156+/-1.966 χ^2/NDF: 436482.0/16

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 6854.792+/-1.777 χ^2/NDF: 872393.4/19

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

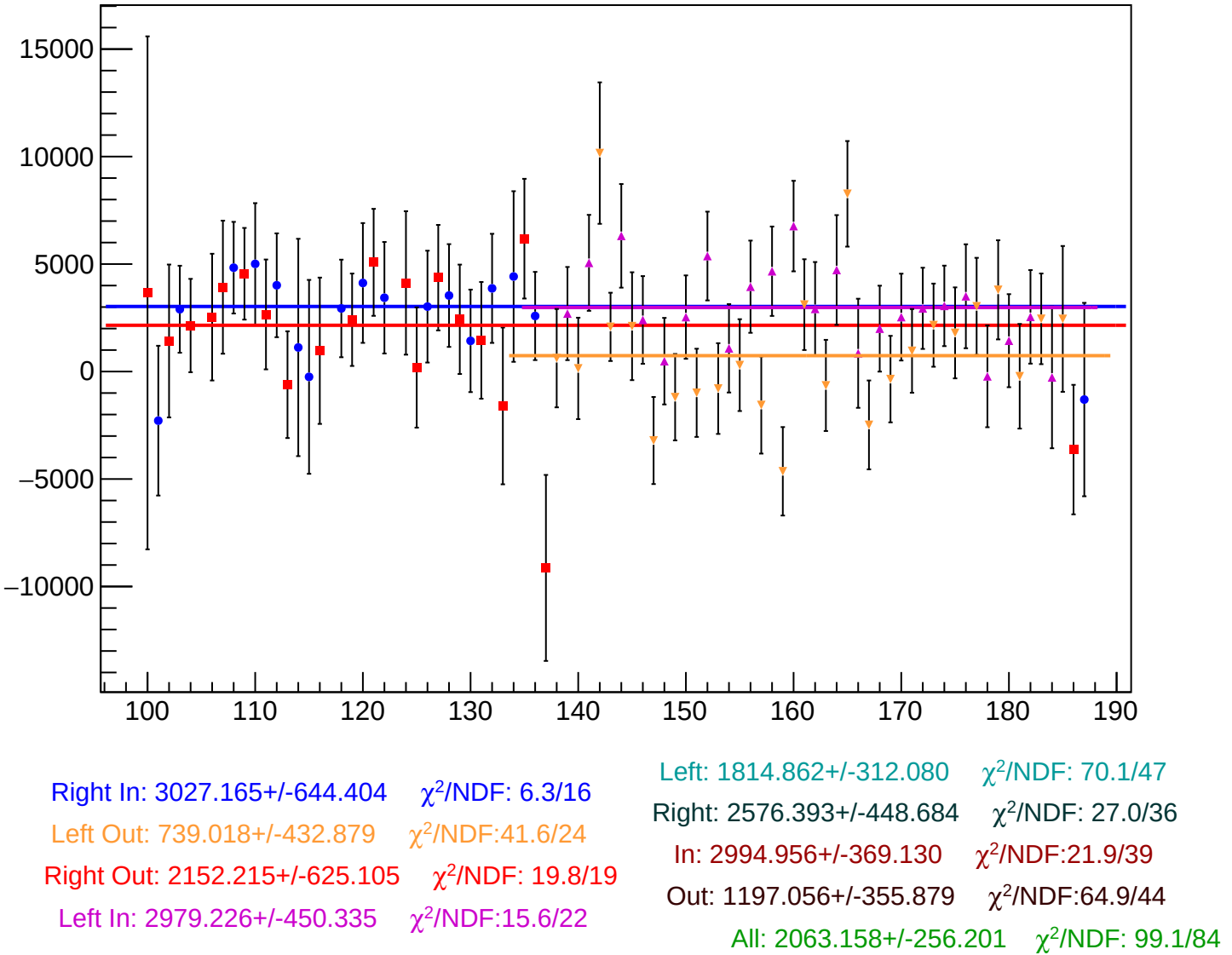
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 7115.806+/-1.319 χ^2/NDF: 1356822.5/36

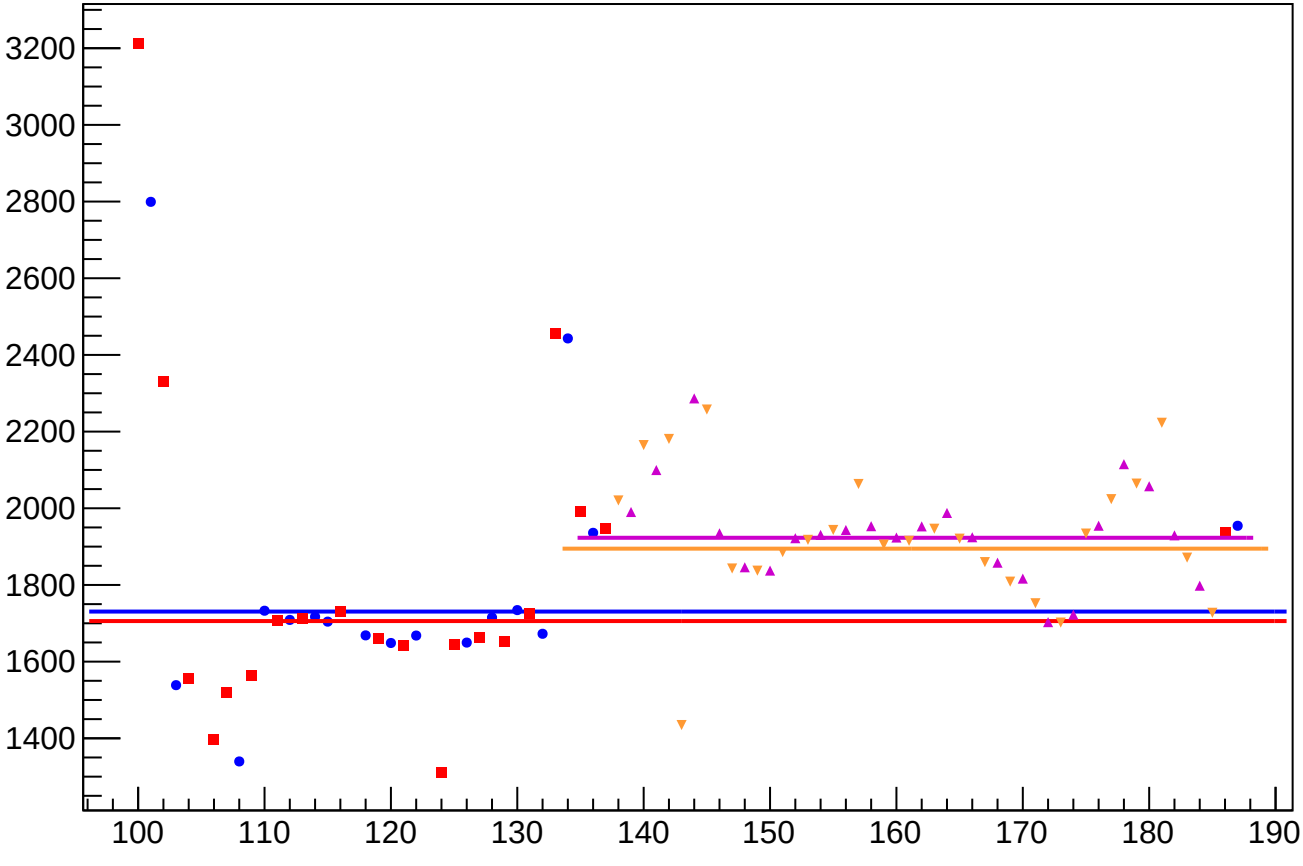
In: 8637.647+/-1.235 χ^2/NDF:2259314.1/39

Out: 8048.795+/-1.136 χ^2/NDF:3838593.6/44

All: 8318.669+/-0.836 χ^2/NDF: 6221023.1/84


eigen_dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 3027.165+/-644.404 χ²/NDF: 6.3/16
Left Out: 739.018+/-432.879 χ²/NDF:41.6/24
Right Out: 2152.215+/-625.105 χ²/NDF: 19.8/19
Left In: 2979.226+/-450.335 χ²/NDF:15.6/22
Left: 1814.862+/-312.080 χ²/NDF: 70.1/47
Right: 2576.393+/-448.684 χ²/NDF: 27.0/36
In: 2994.956+/-369.130 χ²/NDF:21.9/39
Out: 1197.056+/-355.879 χ²/NDF:64.9/44
All: 2063.158+/-256.201 χ²/NDF: 99.1/84

eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1730.597+/-0.456 χ^2/NDF: 370689.9/16

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1705.809+/-0.442 χ^2/NDF: 297992.6/19

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

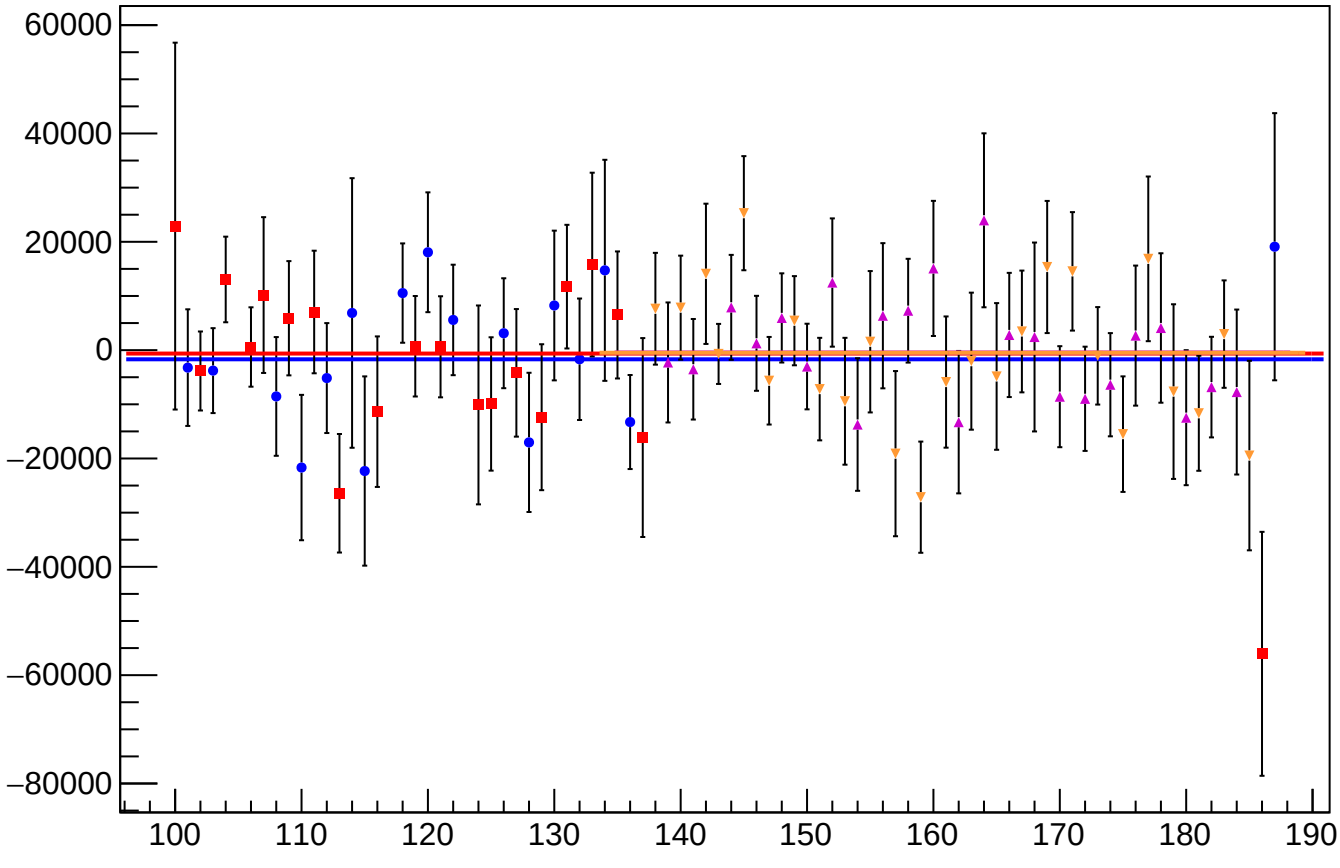
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1717.822+/-0.317 χ^2/NDF: 670207.7/36

In: 1859.895+/-0.261 χ^2/NDF:641517.1/39

Out: 1833.440+/-0.252 χ^2/NDF:790059.5/44

All: 1846.183+/-0.181 χ^2/NDF: 1436901.6/84



Right In: -1690.923+/-2780.457 χ^2/NDF: 15.1/16

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -631.323+/-2513.710 χ^2/NDF: 22.2/19

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

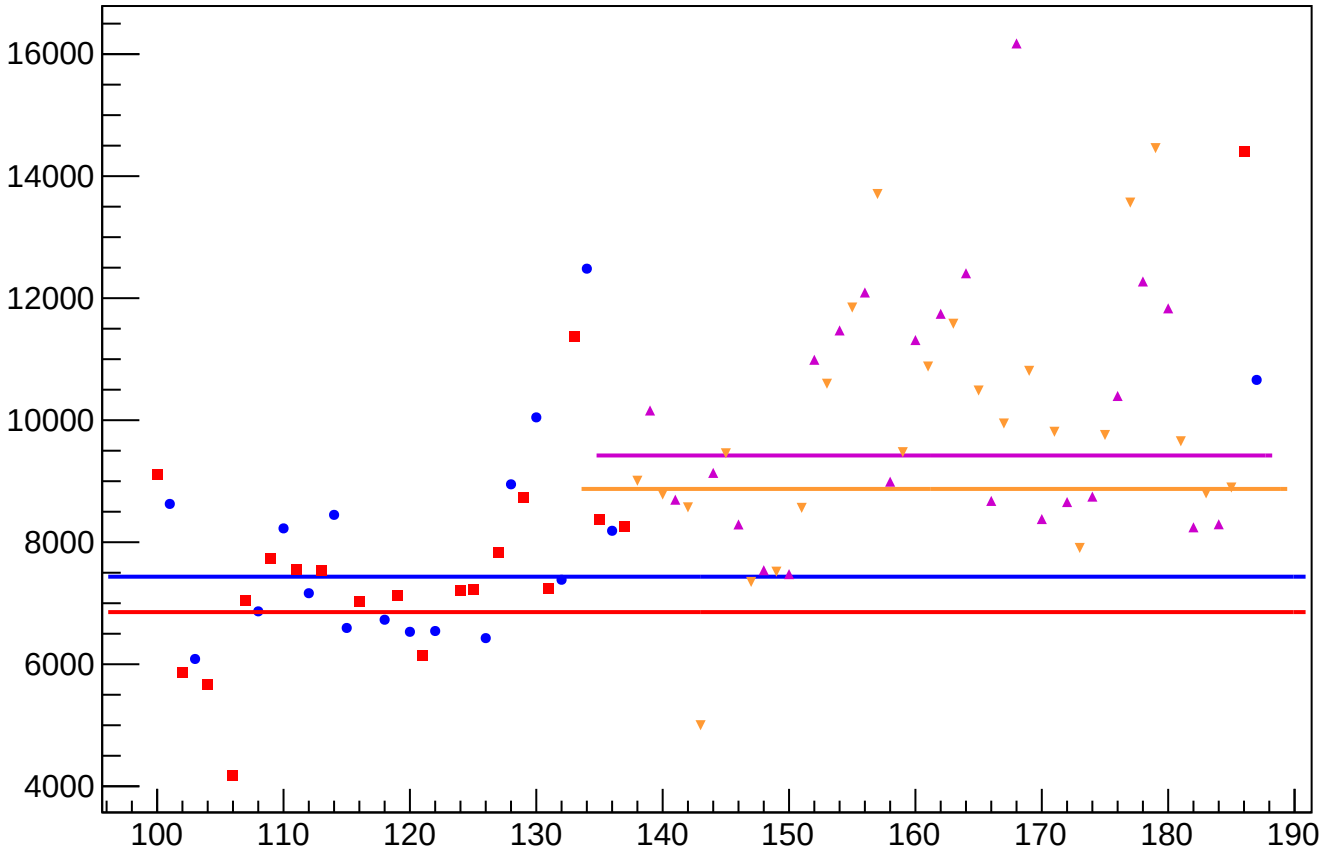
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1107.870+/-1864.654 χ^2/NDF: 37.4/36

In: -931.736+/-1746.796 χ^2/NDF:28.8/39

Out: -541.437+/-1606.731 χ^2/NDF:51.1/44

All: -720.314+/-1182.552 χ^2/NDF: 79.9/84



Right In: 7435.139+/-1.966 χ^2/NDF: 436484.9/16

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 6854.777+/-1.777 χ^2/NDF: 872392.5/19

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

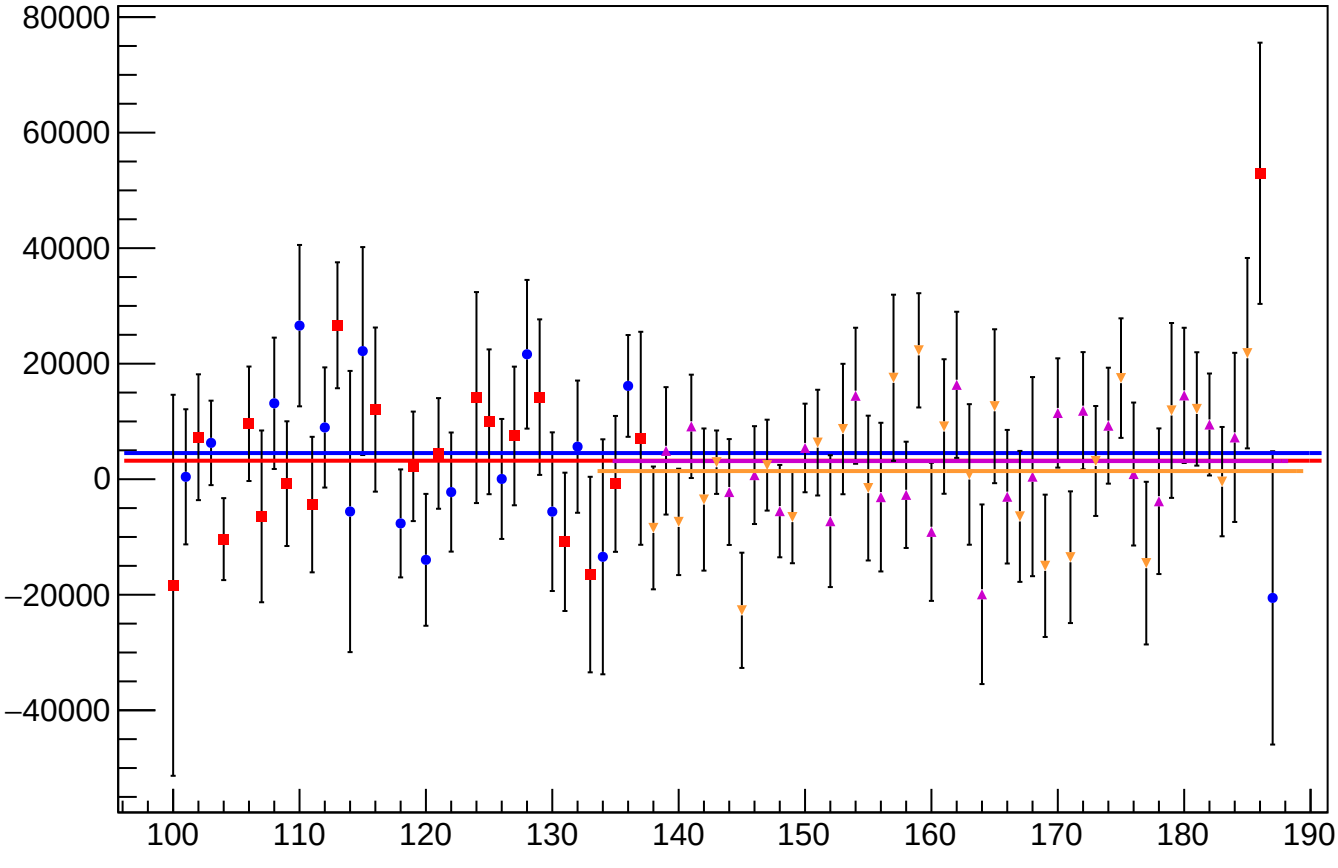
Right: 7115.790+/-1.319 χ^2/NDF: 1356824.4/36

In: 8637.645+/-1.235 χ^2/NDF:2259341.5/39

Out: 8048.793+/-1.136 χ^2/NDF:3838617.1/44

All: 8318.668+/-0.836 χ^2/NDF: 6221073.6/84

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4526.460+/-2811.516 χ^2/NDF: 15.3/16

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 3202.950+/-2676.579 χ^2/NDF: 19.8/19

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

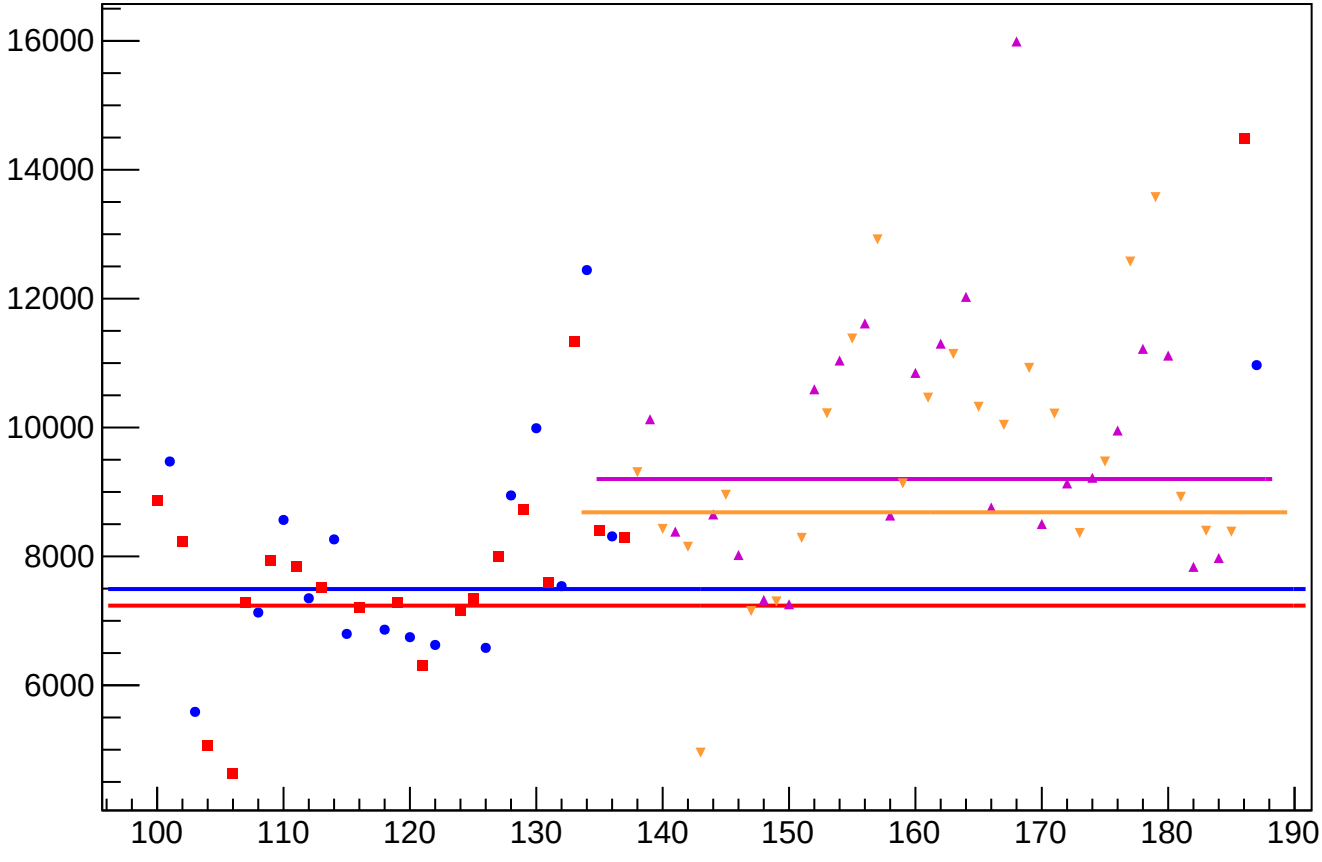
Right: 3832.183+/-1938.576 χ^2/NDF: 35.3/36

In: 3662.943+/-1727.446 χ^2/NDF:28.4/39

Out: 2067.713+/-1622.429 χ^2/NDF:47.6/44

All: 2815.368+/-1182.615 χ^2/NDF: 76.4/84

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7493.136+/-1.988 χ^2/NDF: 524369.6/16

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7236.067+/-1.892 χ^2/NDF: 765272.0/19

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

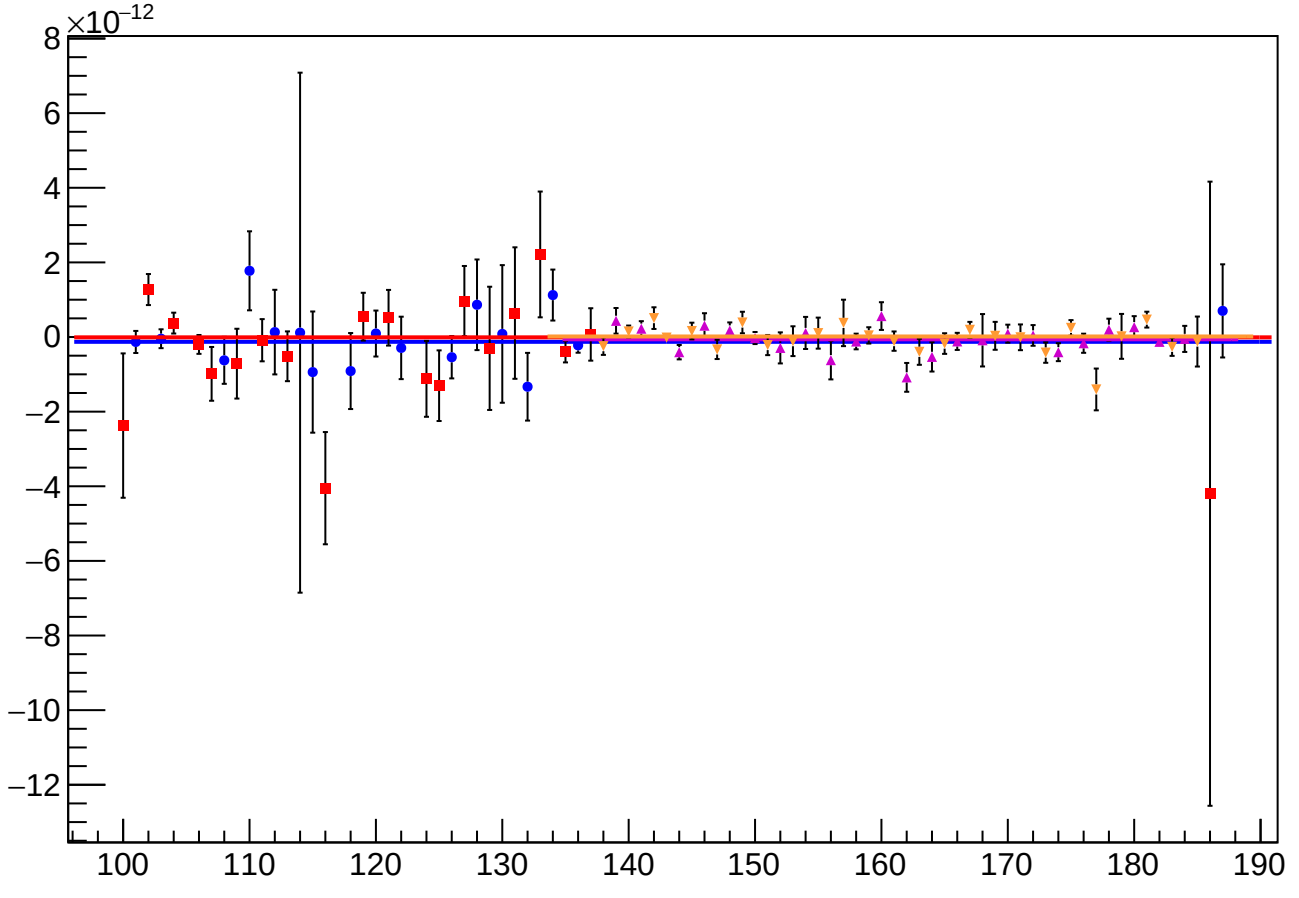
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 7358.277+/-1.371 χ^2/NDF: 1298413.3/36

In: 8556.132+/-1.221 χ^2/NDF:2113083.4/39

Out: 8152.291+/-1.147 χ^2/NDF:3187442.2/44

All: 8341.559+/-0.836 χ^2/NDF: 5358603.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/19

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

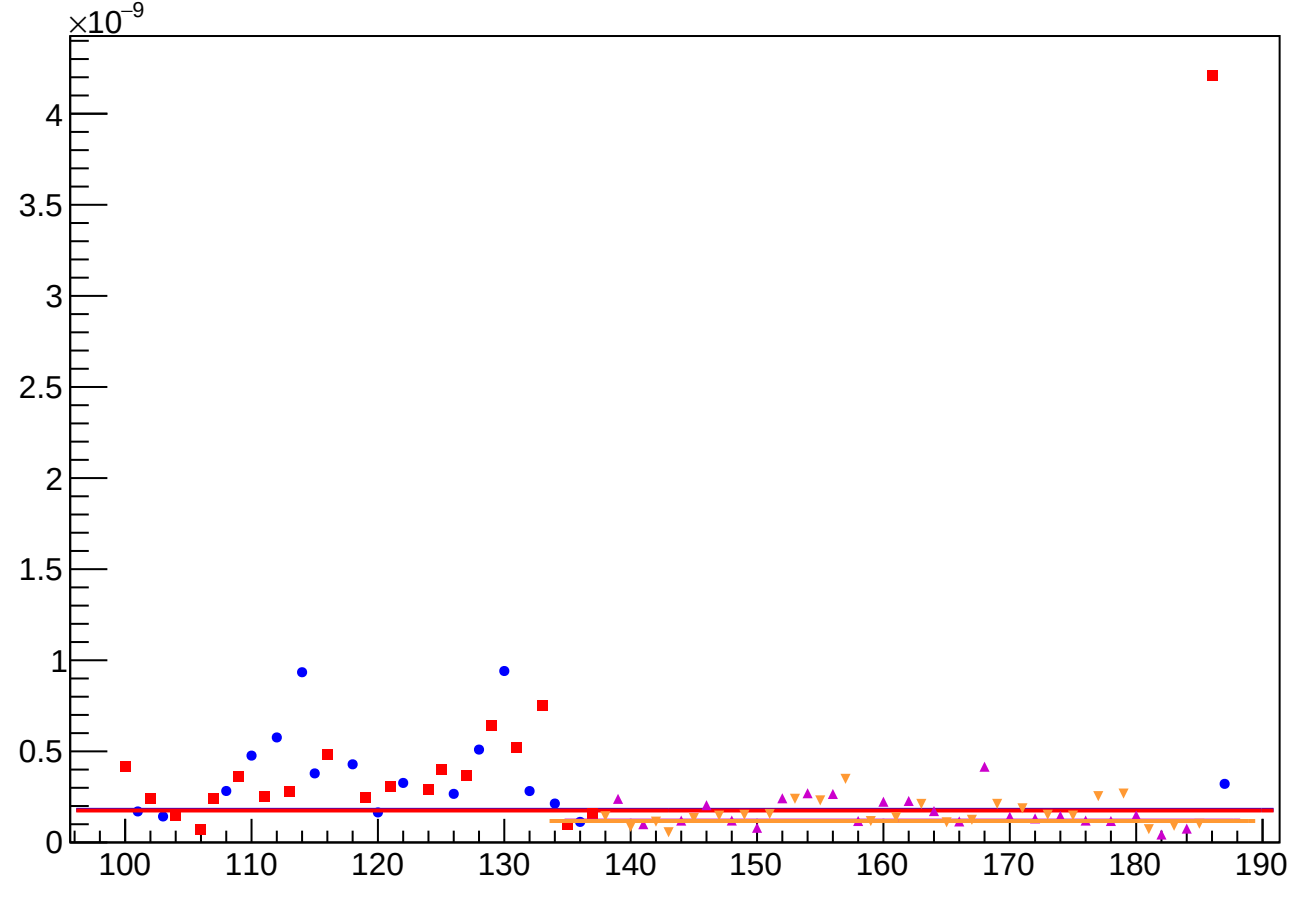
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 45.5/36

In: -0.000+/-0.000 χ^2/NDF:40.1/39

Out: 0.000+/-0.000 χ^2/NDF:61.9/44

All: -0.000+/-0.000 χ^2/NDF: 103.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 1556433.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2107252.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

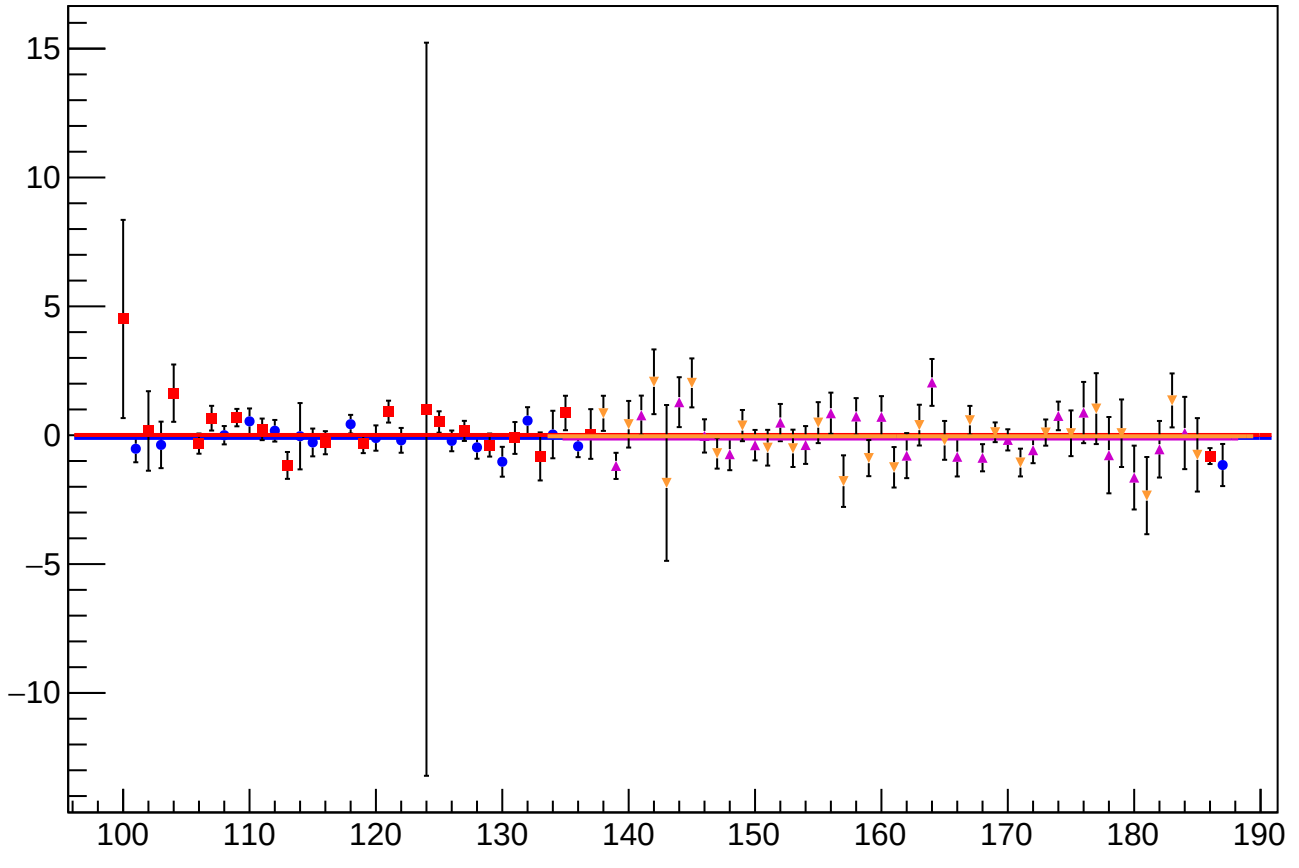
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 3664521.7/36

In: 0.000+/-0.000 χ^2/NDF:4629477.9/39

Out: 0.000+/-0.000 χ^2/NDF:4823494.3/44

All: 0.000+/-0.000 χ^2/NDF: 9459263.9/84



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.010+/-0.109 χ^2/NDF: 33.3/19

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

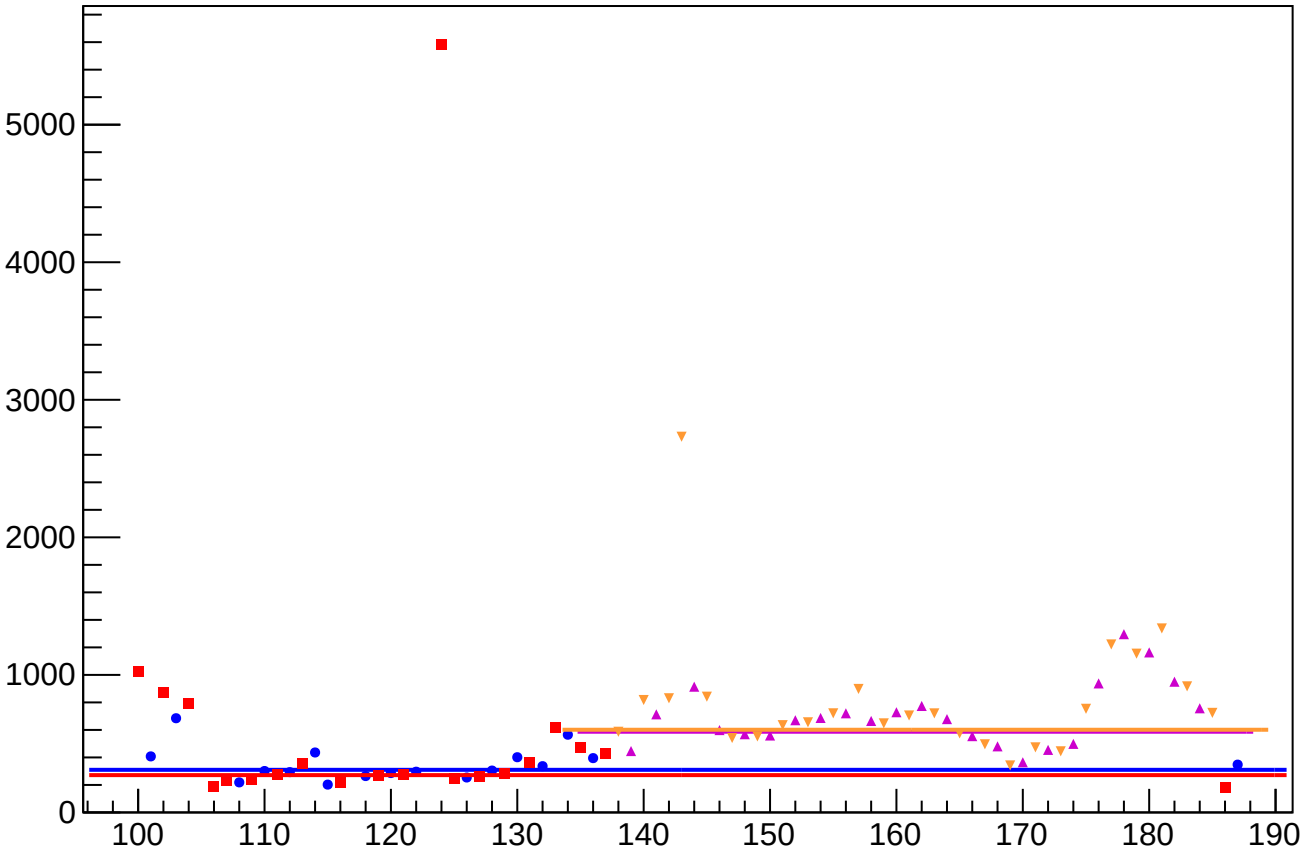
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.041+/-0.081 χ^2/NDF: 46.3/36

In: -0.113+/-0.093 χ^2/NDF:41.5/39

Out: -0.008+/-0.088 χ^2/NDF:63.5/44

All: -0.058+/-0.064 χ^2/NDF: 105.7/84



Right In: 309.932+/-0.085 χ^2/NDF: 1018959.4/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 271.416+/-0.077 χ^2/NDF: 2046808.0/19

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

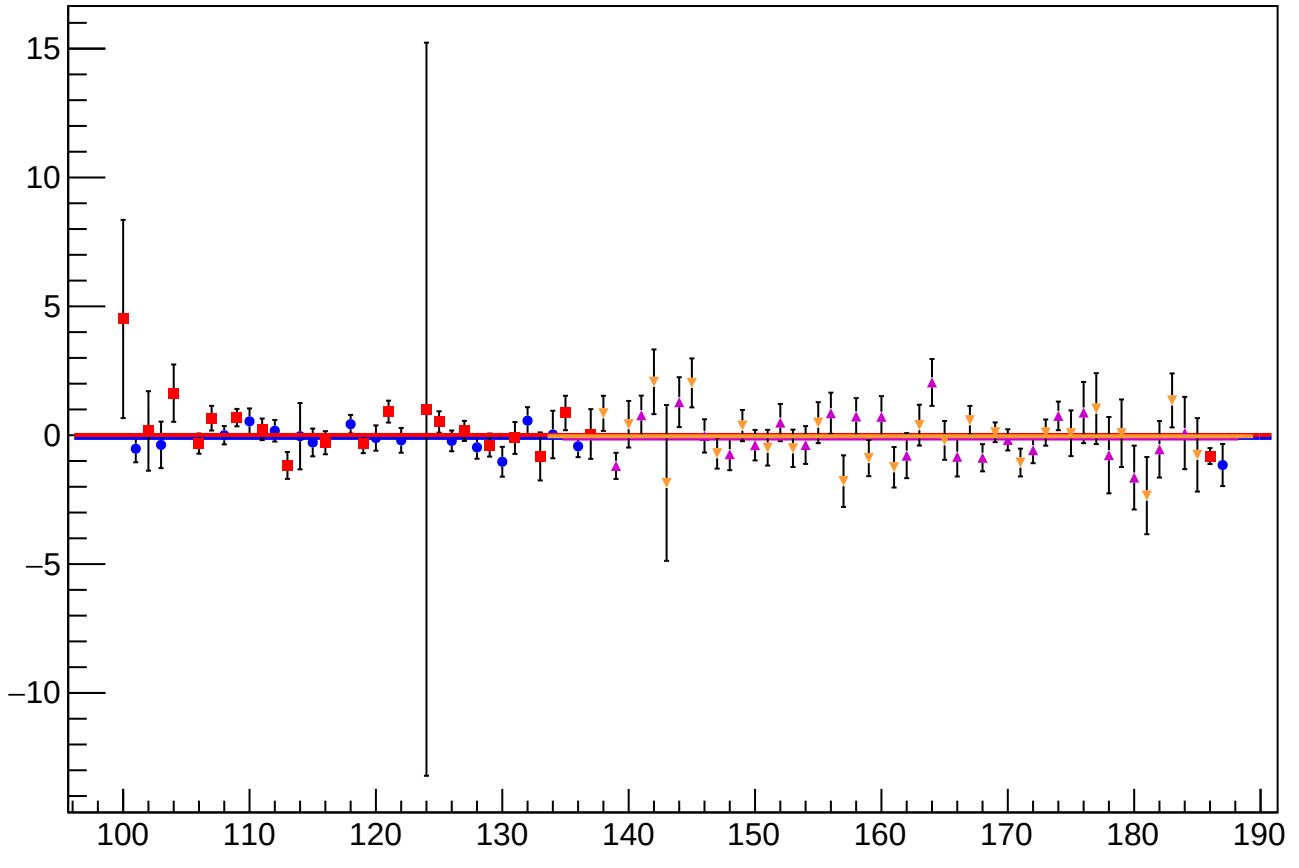
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 288.802+/-0.057 χ^2/NDF: 3177806.6/36

In: 422.893+/-0.066 χ^2/NDF:8259170.9/39

Out: 388.348+/-0.062 χ^2/NDF:12959399.6/44

All: 404.683+/-0.045 χ^2/NDF: 21364847.1/84



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.010+/-0.109 χ^2/NDF: 33.3/19

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

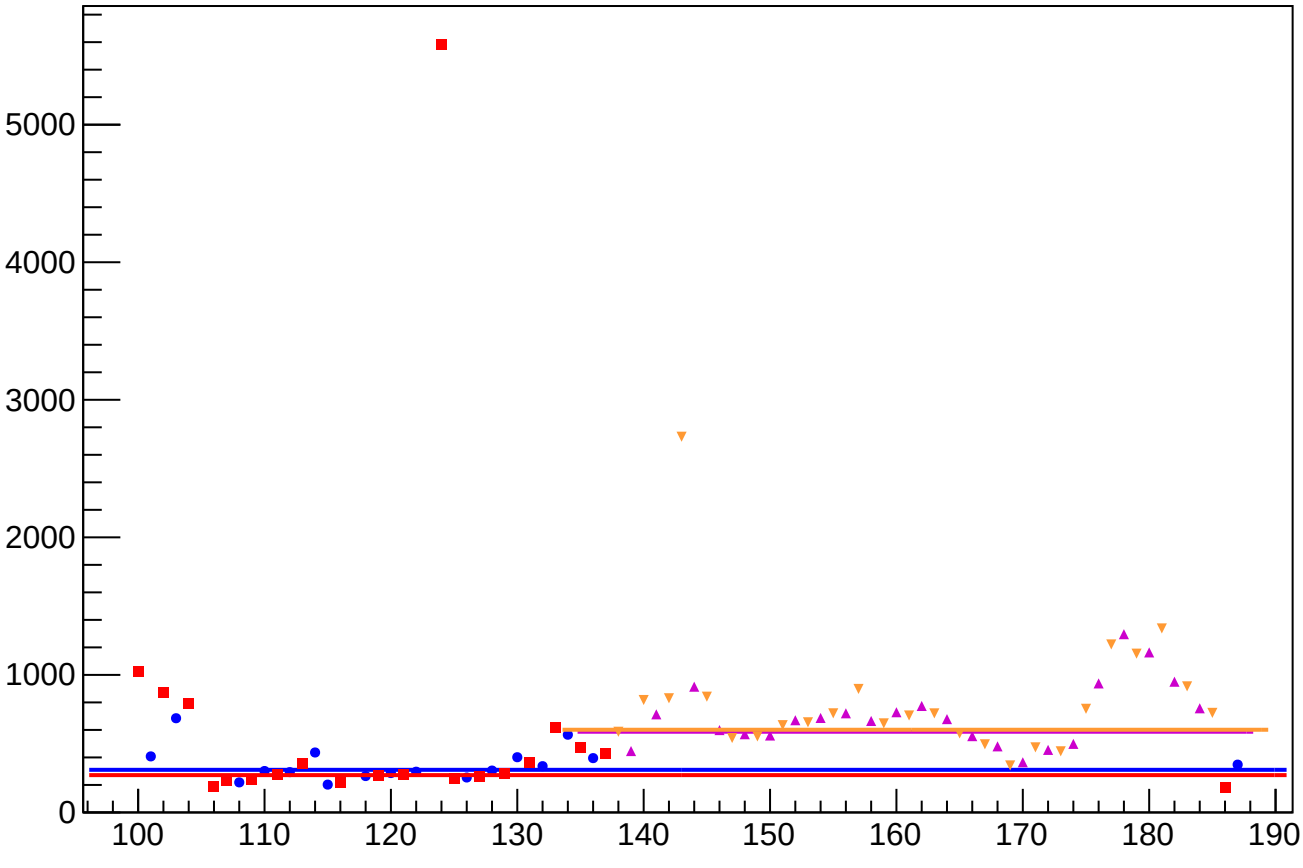
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.041+/-0.081 χ^2/NDF: 46.3/36

In: -0.113+/-0.093 χ^2/NDF:41.5/39

Out: -0.008+/-0.088 χ^2/NDF:63.5/44

All: -0.058+/-0.064 χ^2/NDF: 105.7/84



Right In: 309.932+/-0.085 χ^2/NDF: 1018959.4/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 271.416+/-0.077 χ^2/NDF: 2046808.0/19

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

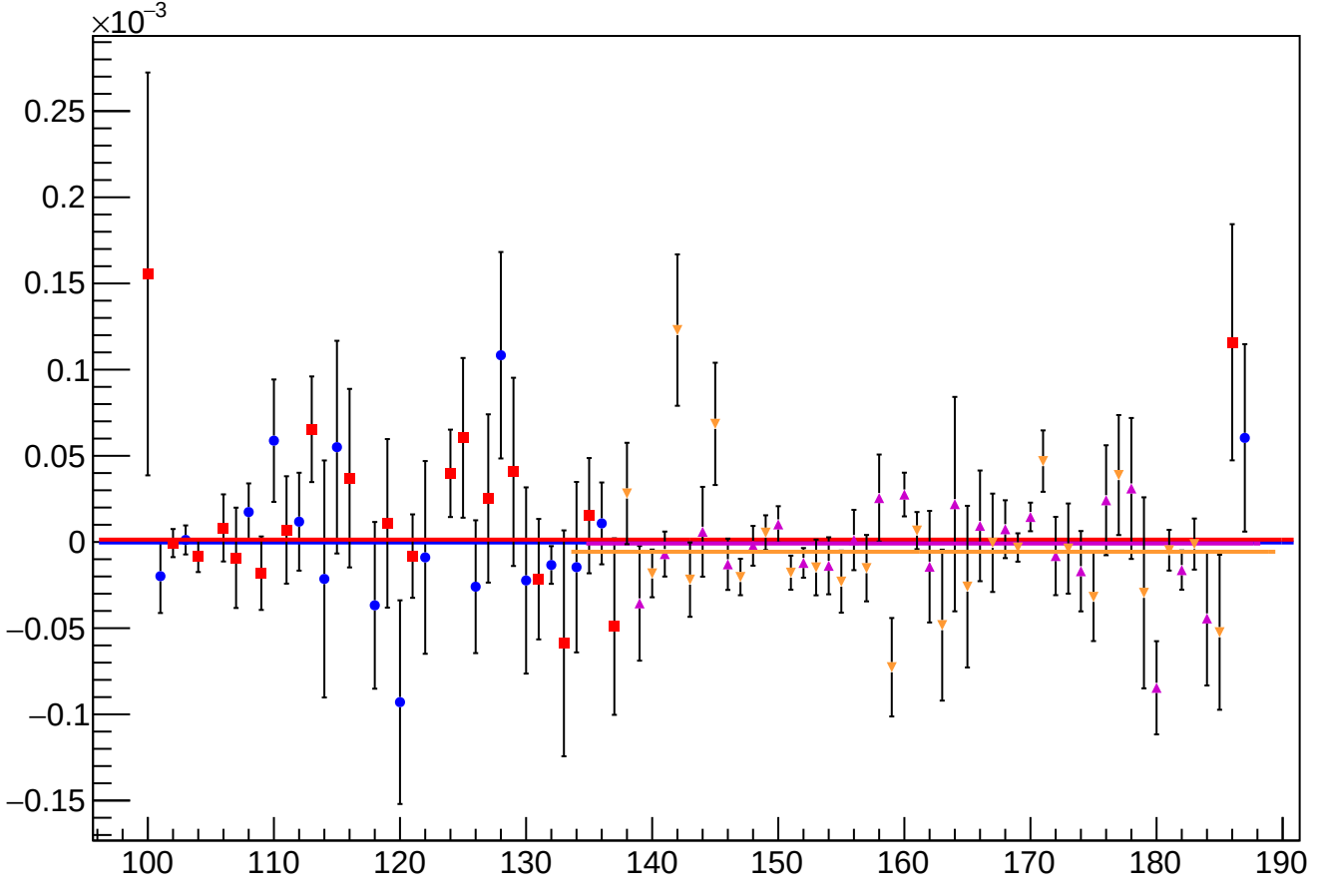
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 288.802+/-0.057 χ^2/NDF: 3177806.6/36

In: 422.893+/-0.066 χ^2/NDF:8259170.9/39

Out: 388.348+/-0.062 χ^2/NDF:12959399.6/44

All: 404.683+/-0.045 χ^2/NDF: 21364847.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

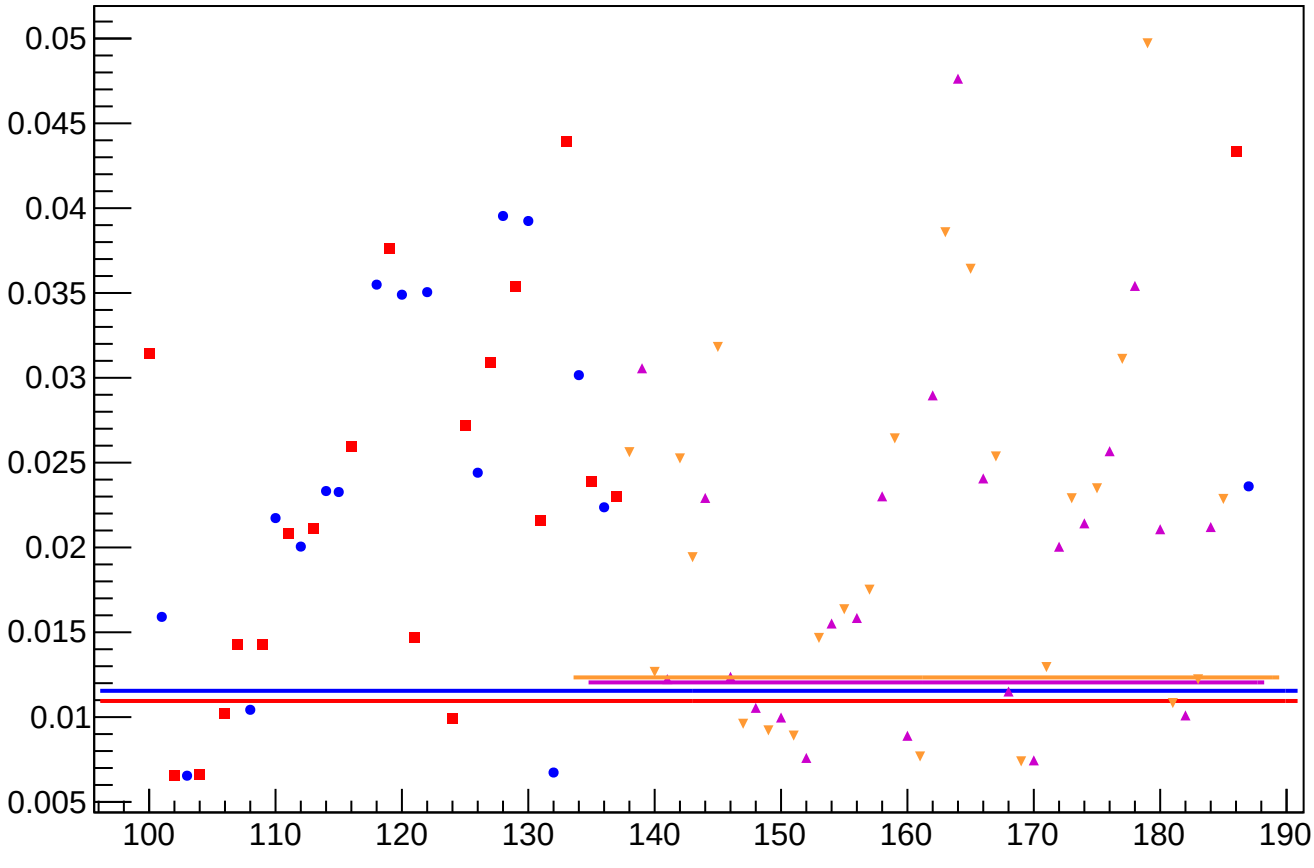
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: 0.000+/-0.000 χ^2/NDF: 34.8/36

In: -0.000+/-0.000 χ^2/NDF:46.0/39

Out: -0.000+/-0.000 χ^2/NDF:63.0/44

All: -0.000+/-0.000 χ^2/NDF: 109.5/84



Right In: 0.012+/-0.000 χ^2/NDF: 4799113.8/16

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 4923226.2/19

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

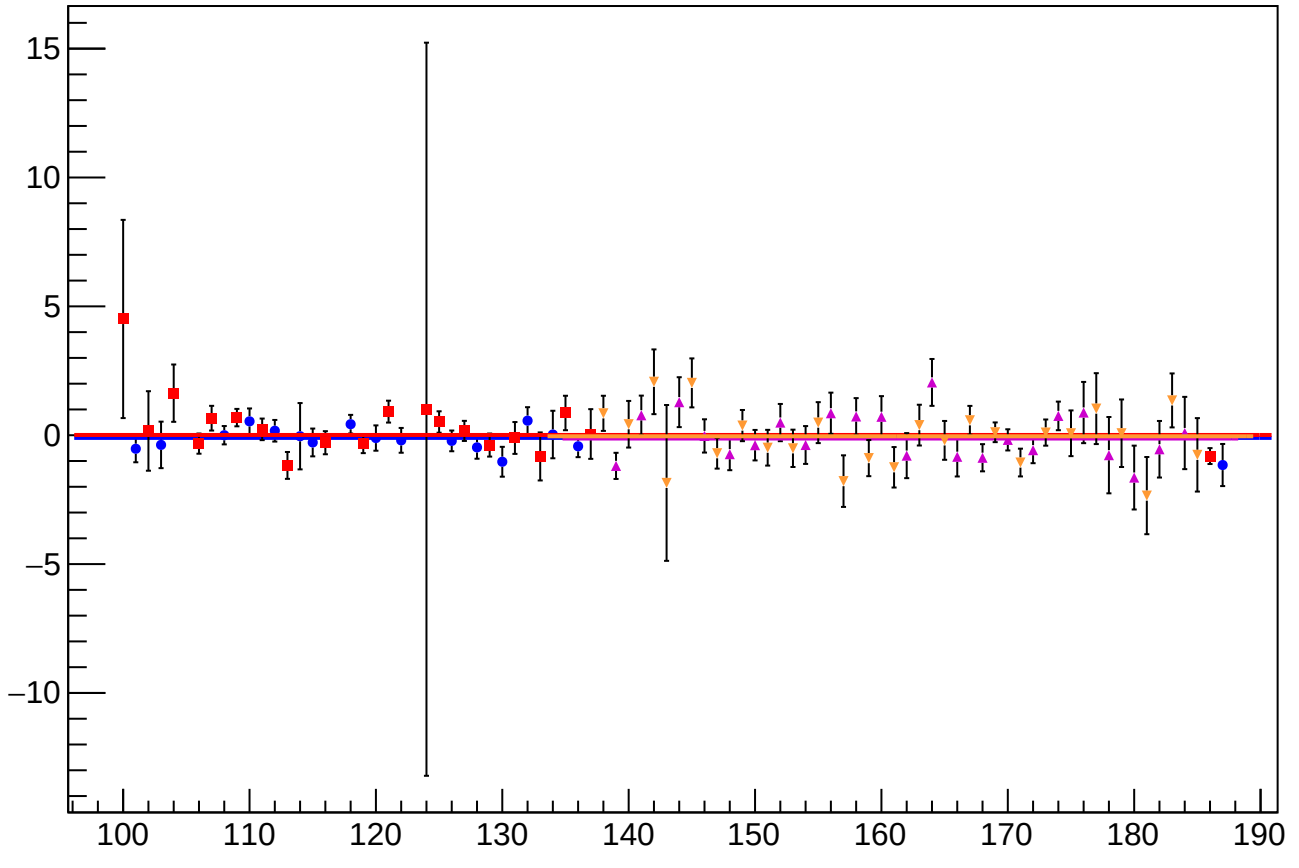
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.011+/-0.000 χ^2/NDF: 9736306.6/36

In: 0.012+/-0.000 χ^2/NDF:11191158.2/39

Out: 0.012+/-0.000 χ^2/NDF:12876224.4/44

All: 0.012+/-0.000 χ^2/NDF: 24067382.6/84



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.010+/-0.109 χ^2/NDF: 33.3/19

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

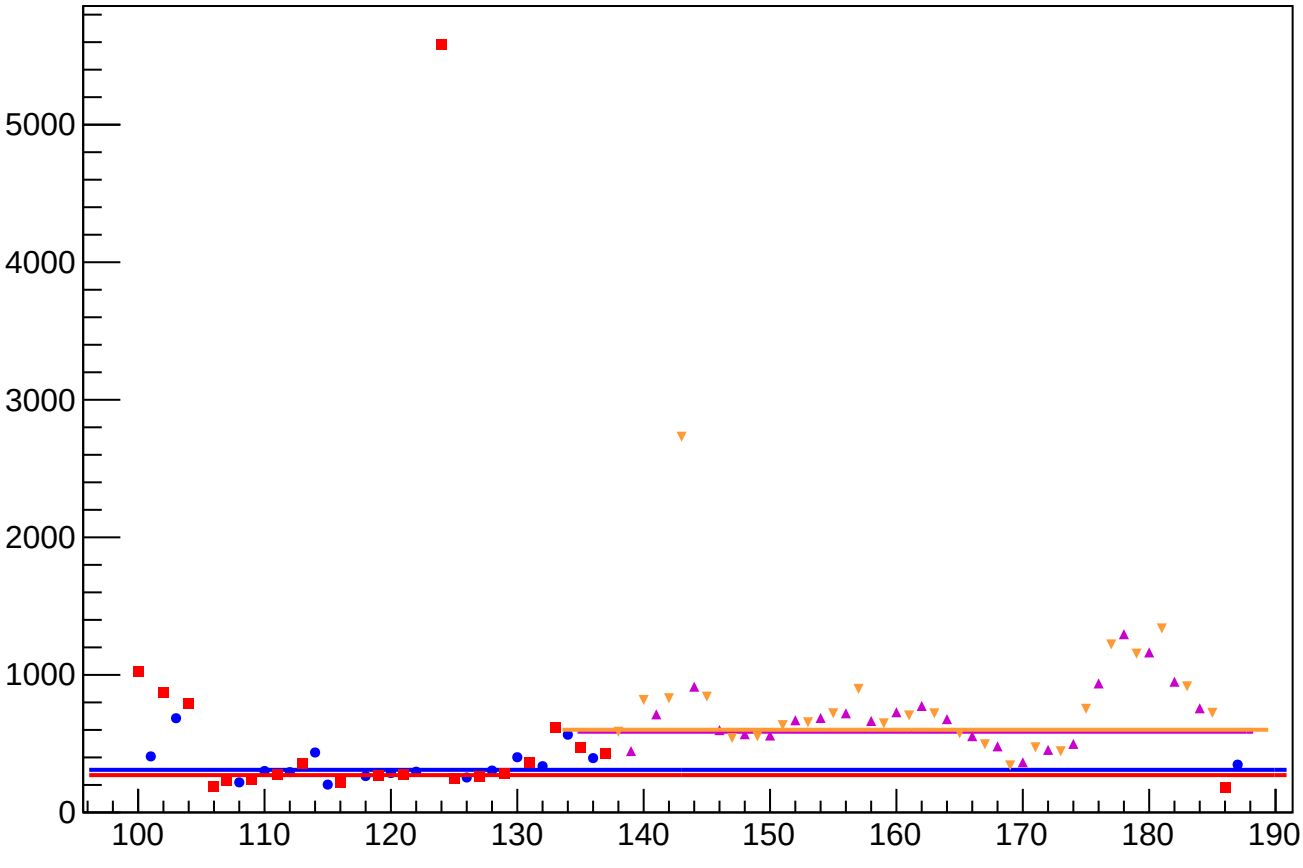
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.041+/-0.081 χ^2/NDF: 46.3/36

In: -0.113+/-0.093 χ^2/NDF:41.5/39

Out: -0.008+/-0.088 χ^2/NDF:63.5/44

All: -0.058+/-0.064 χ^2/NDF: 105.7/84



Right In: 309.931+/-0.085 χ^2/NDF: 1018927.9/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 271.412+/-0.077 χ^2/NDF: 2046868.3/19

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

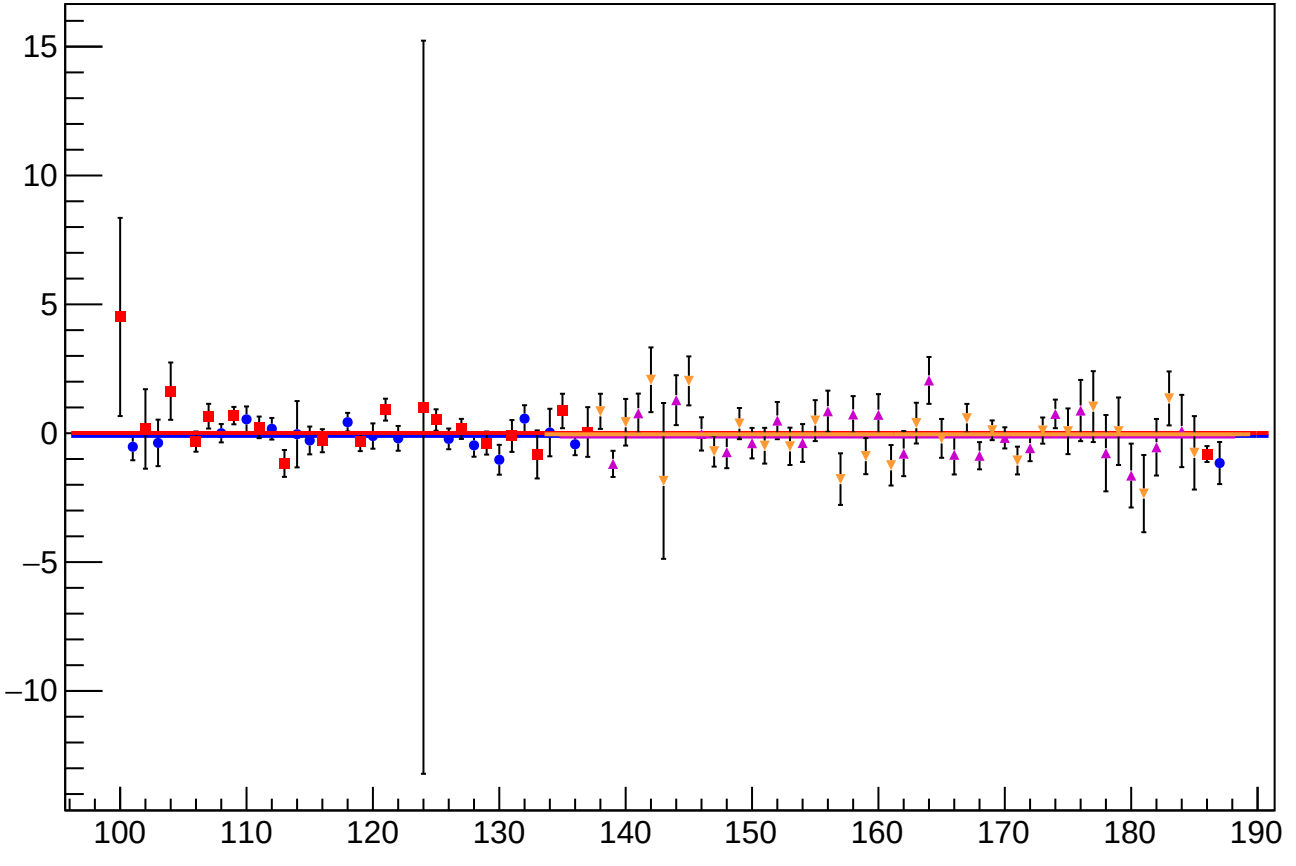
Right: 288.799+/-0.057 χ^2/NDF: 3177856.3/36

In: 422.893+/-0.066 χ^2/NDF:8259352.0/39

Out: 388.343+/-0.062 χ^2/NDF:12959862.0/44

All: 404.680+/-0.045 χ^2/NDF: 21365527.7/84

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.010+/-0.109 χ^2/NDF: 33.3/19

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

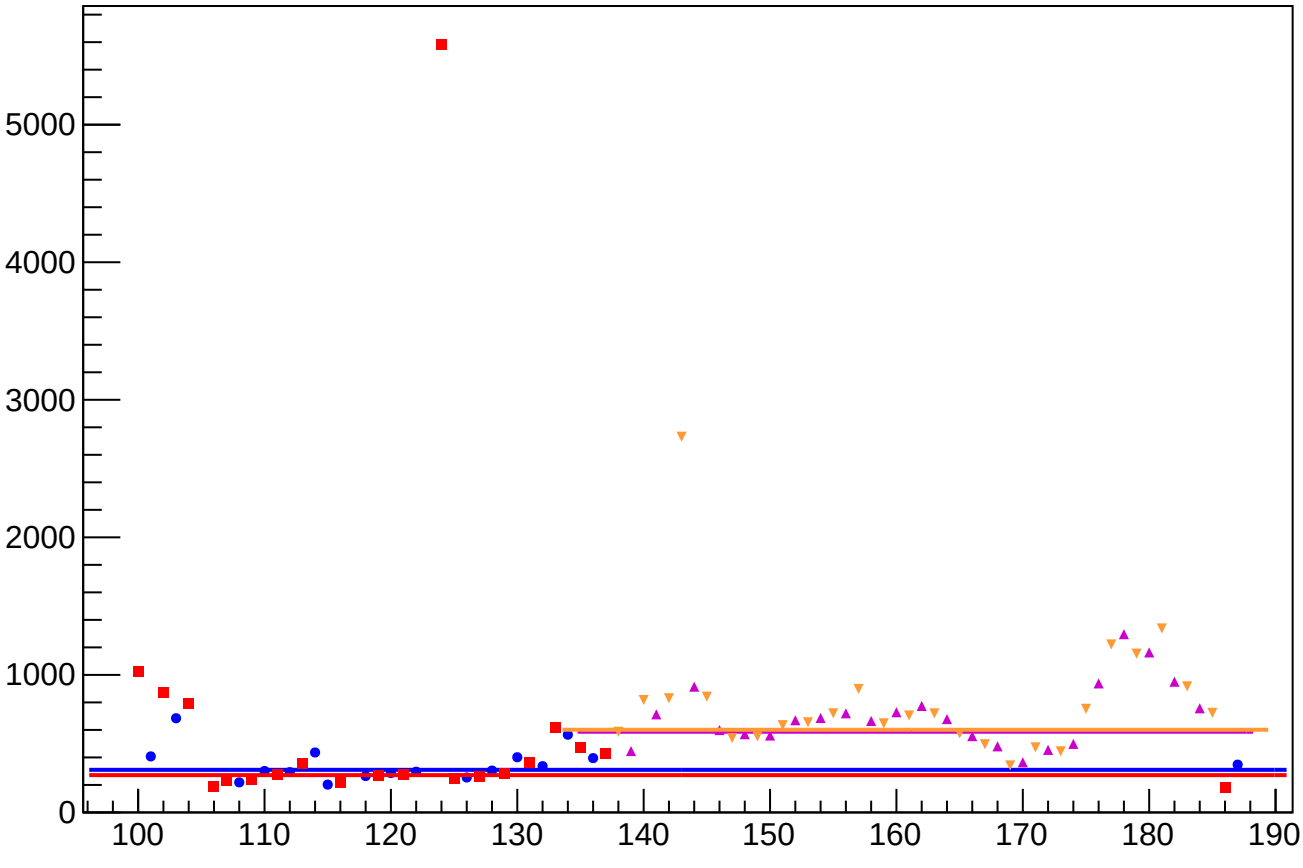
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.041+/-0.081 χ^2/NDF: 46.3/36

In: -0.113+/-0.093 χ^2/NDF:41.5/39

Out: -0.008+/-0.088 χ^2/NDF:63.5/44

All: -0.058+/-0.064 χ^2/NDF: 105.7/84



Right In: 309.931+/-0.085 χ^2/NDF: 1018927.9/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 271.412+/-0.077 χ^2/NDF: 2046868.3/19

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

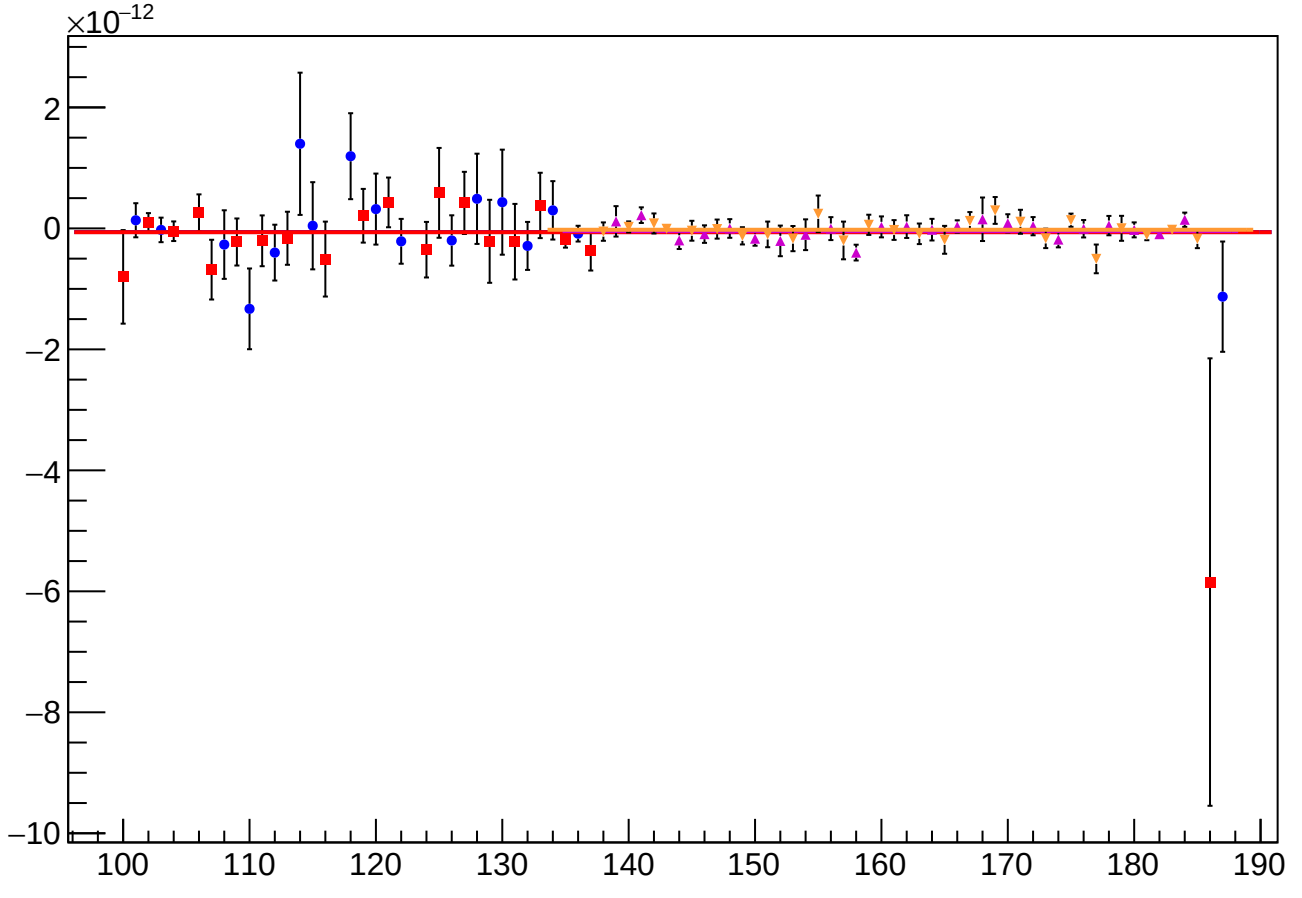
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 288.799+/-0.057 χ^2/NDF: 3177856.3/36

In: 422.893+/-0.066 χ^2/NDF:8259352.0/39

Out: 388.343+/-0.062 χ^2/NDF:12959862.0/44

All: 404.680+/-0.045 χ^2/NDF: 21365527.7/84



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/19

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

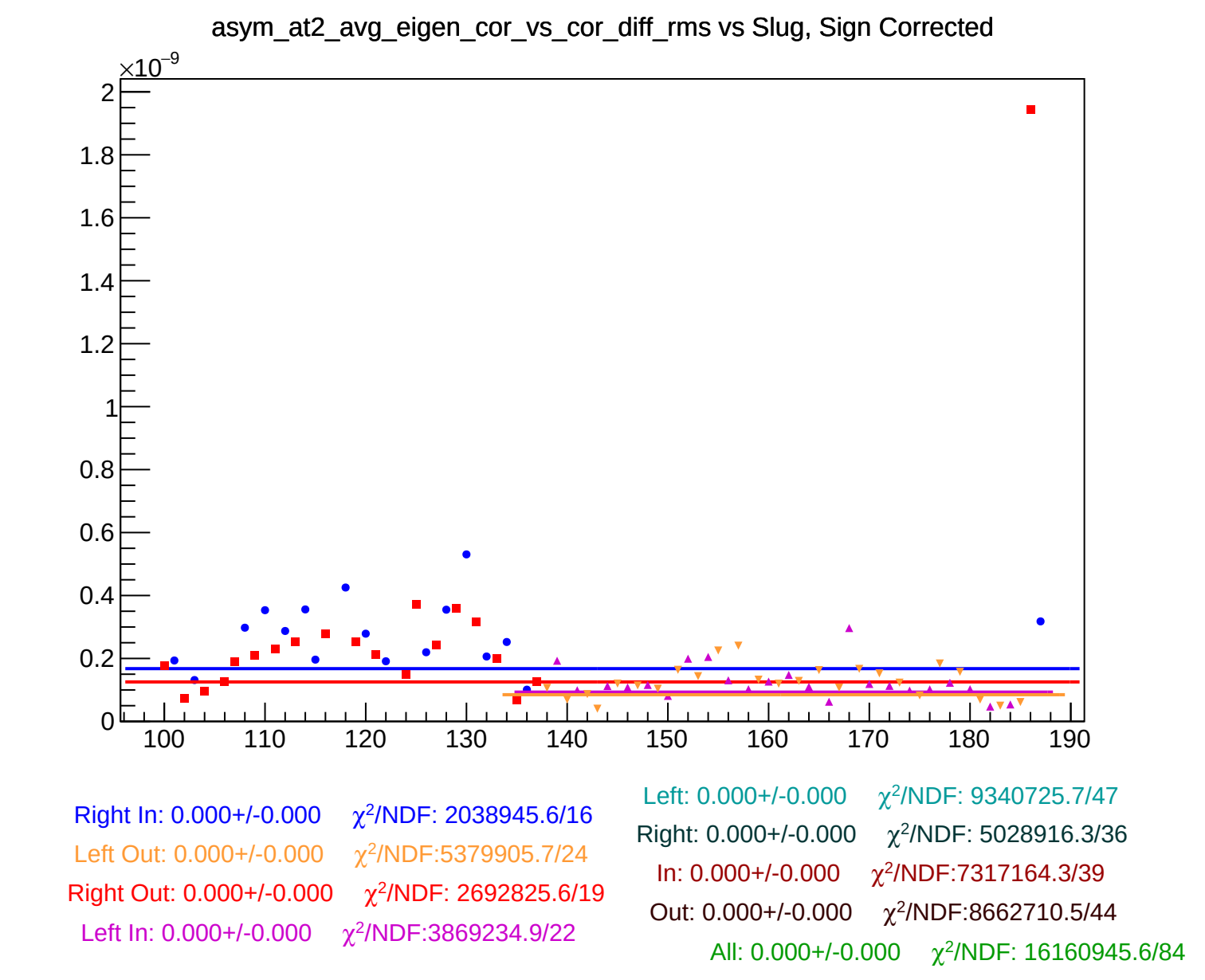
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 27.2/36

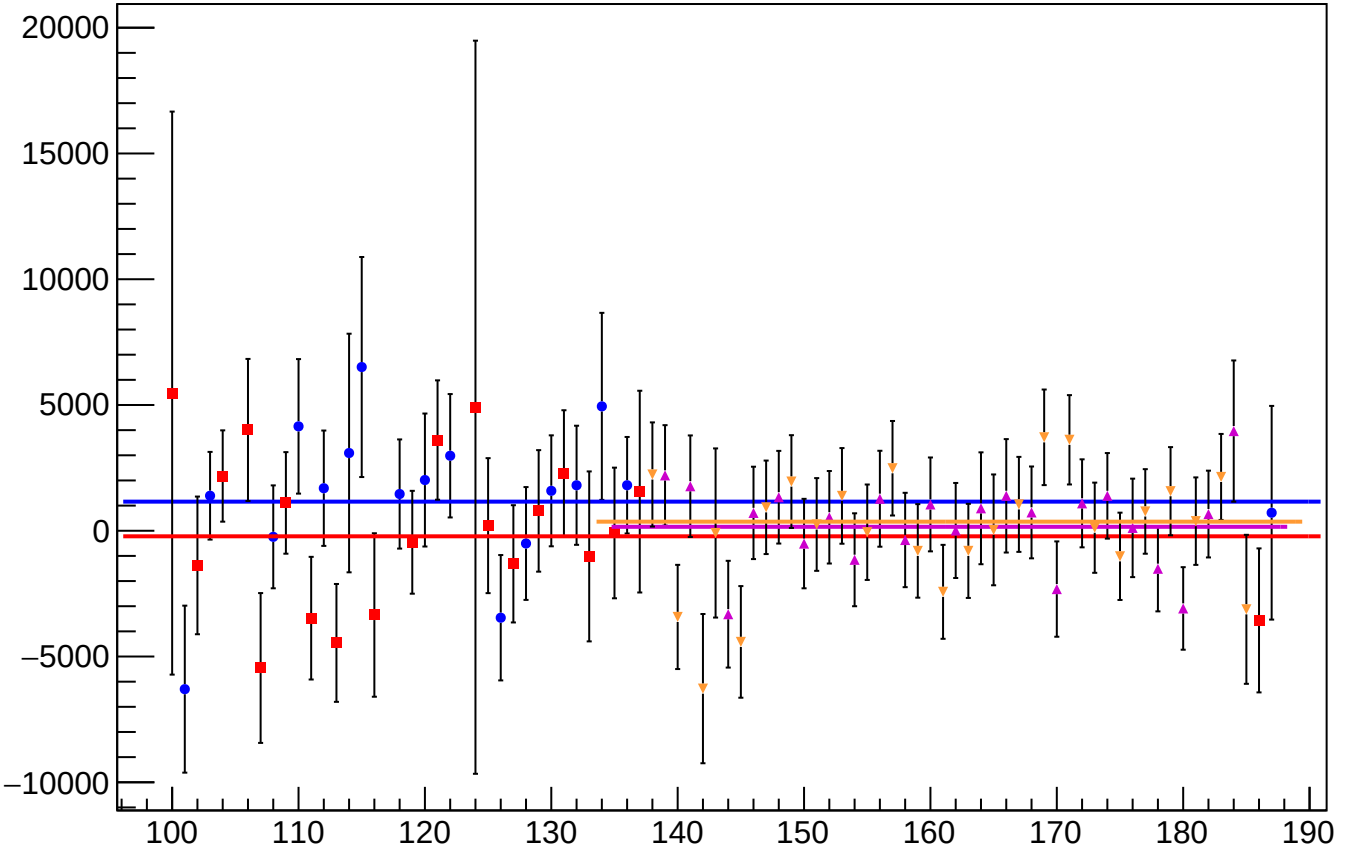
In: -0.000+/-0.000 χ^2/NDF:35.4/39

Out: -0.000+/-0.000 χ^2/NDF:30.5/44

All: -0.000+/-0.000 χ^2/NDF: 66.2/84


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2038945.6/16
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2692825.6/19
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
Left: 0.000+/-0.000 χ²/NDF: 9340725.7/47
Right: 0.000+/-0.000 χ²/NDF: 5028916.3/36
In: 0.000+/-0.000 χ²/NDF:7317164.3/39
Out: 0.000+/-0.000 χ²/NDF:8662710.5/44
All: 0.000+/-0.000 χ²/NDF: 16160945.6/84

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1157.776+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -220.719+/-590.389 χ^2/NDF: 19.7/19

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

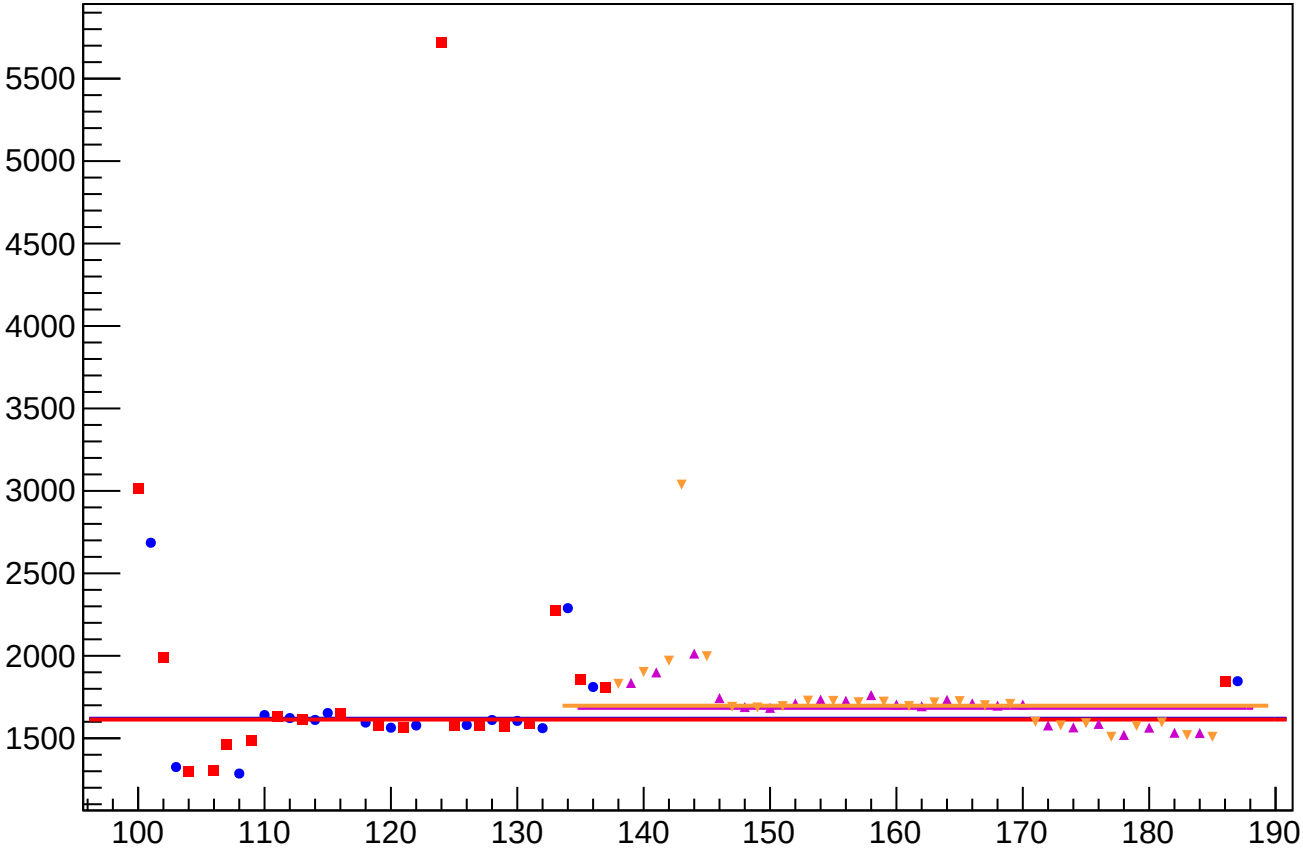
Right: 453.960+/-421.857 χ^2/NDF: 36.8/36

In: 456.720+/-329.985 χ^2/NDF:32.4/39

Out: 185.904+/-324.323 χ^2/NDF:50.0/44

All: 318.969+/-231.307 χ^2/NDF: 82.7/84

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1618.359+/-0.426 χ^2/NDF: 410559.7/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1613.587+/-0.417 χ^2/NDF: 439026.9/19

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

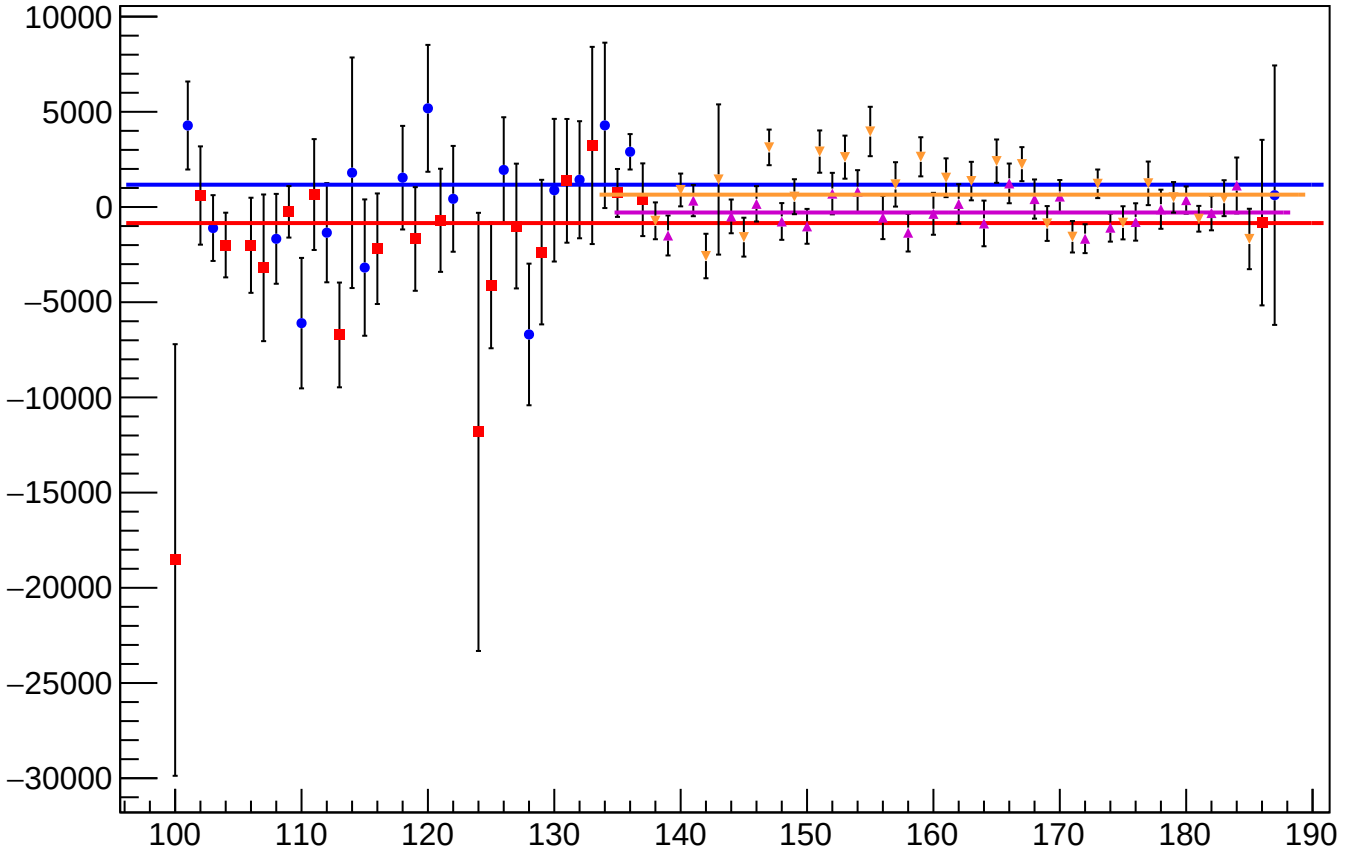
Right: 1615.923+/-0.298 χ^2/NDF: 849650.6/36

In: 1664.747+/-0.233 χ^2/NDF:592811.0/39

Out: 1672.174+/-0.229 χ^2/NDF:962632.3/44

All: 1668.525+/-0.164 χ^2/NDF: 1555958.7/84

asym_at2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1171.509+/-576.982 χ^2/NDF: 22.0/16

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -843.463+/-552.911 χ^2/NDF: 14.3/19

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

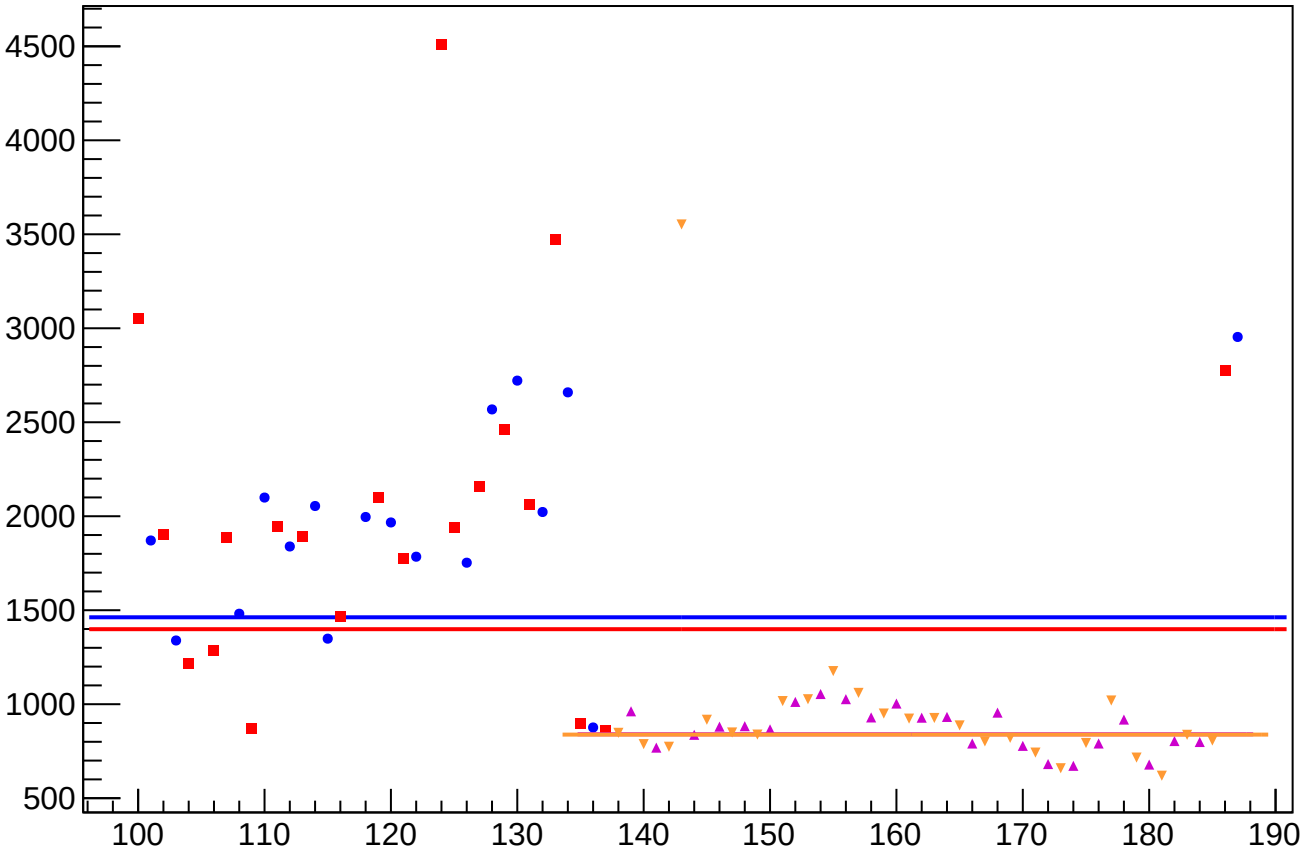
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 121.115+/-399.206 χ^2/NDF: 42.6/36

In: -134.097+/-187.698 χ^2/NDF:44.3/39

Out: 483.035+/-184.460 χ^2/NDF:86.3/44

All: 179.837+/-131.563 χ^2/NDF: 136.0/84



Right In: 1462.404+/-0.408 χ^2/NDF: 1887357.5/16

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1399.084+/-0.391 χ^2/NDF: 2335510.5/19

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

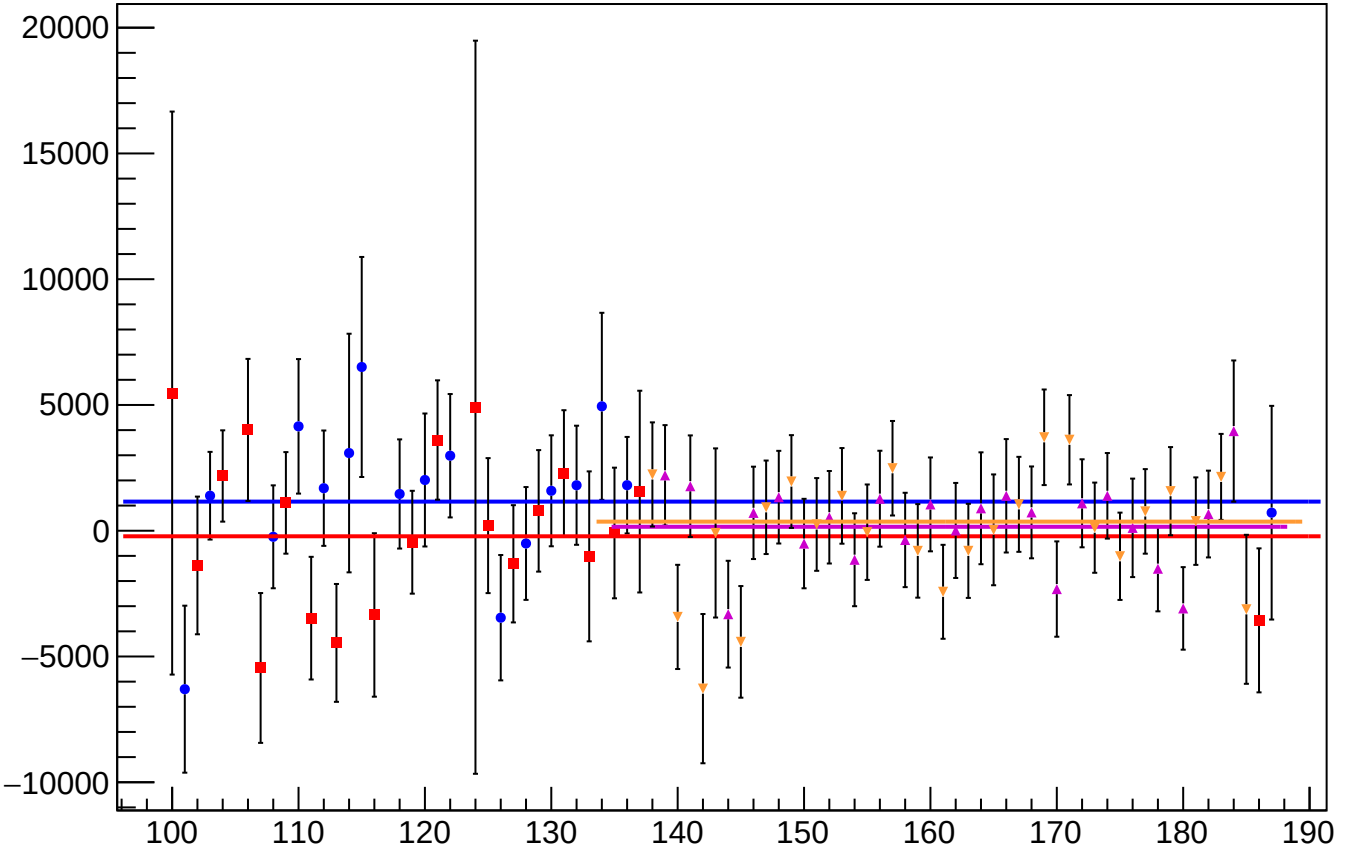
Right: 1429.395+/-0.282 χ^2/NDF: 4235424.4/36

In: 905.845+/-0.133 χ^2/NDF:4637855.6/39

Out: 900.664+/-0.130 χ^2/NDF:5964508.3/44

All: 903.210+/-0.093 χ^2/NDF: 10603138.9/84

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1157.701+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -221.016+/-590.389 χ^2/NDF: 19.7/19

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

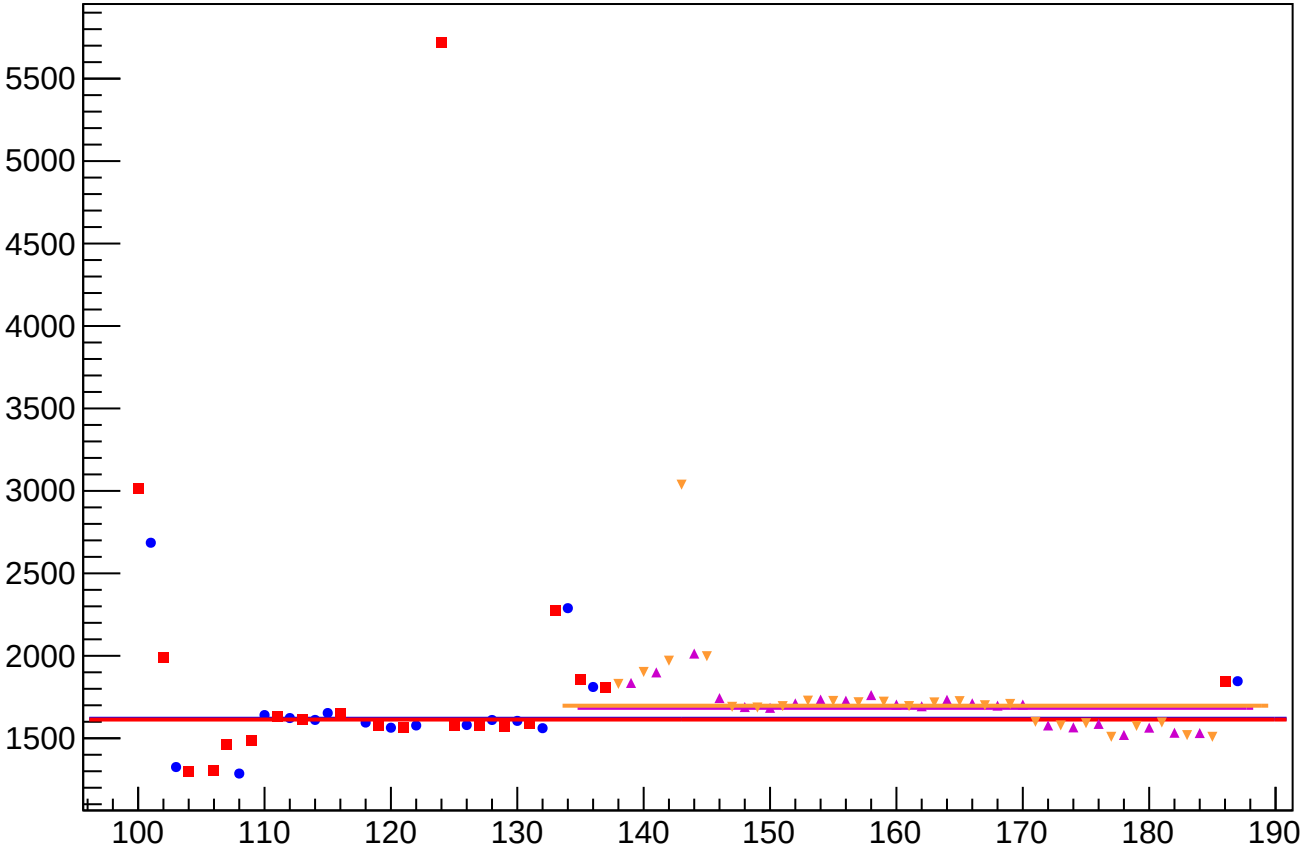
Right: 453.772+/-421.857 χ^2/NDF: 36.8/36

In: 456.632+/-329.985 χ^2/NDF:32.4/39

Out: 185.755+/-324.323 χ^2/NDF:50.0/44

All: 318.849+/-231.307 χ^2/NDF: 82.7/84

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1618.359+/-0.426 χ^2/NDF: 410560.0/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1613.587+/-0.417 χ^2/NDF: 439026.9/19

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

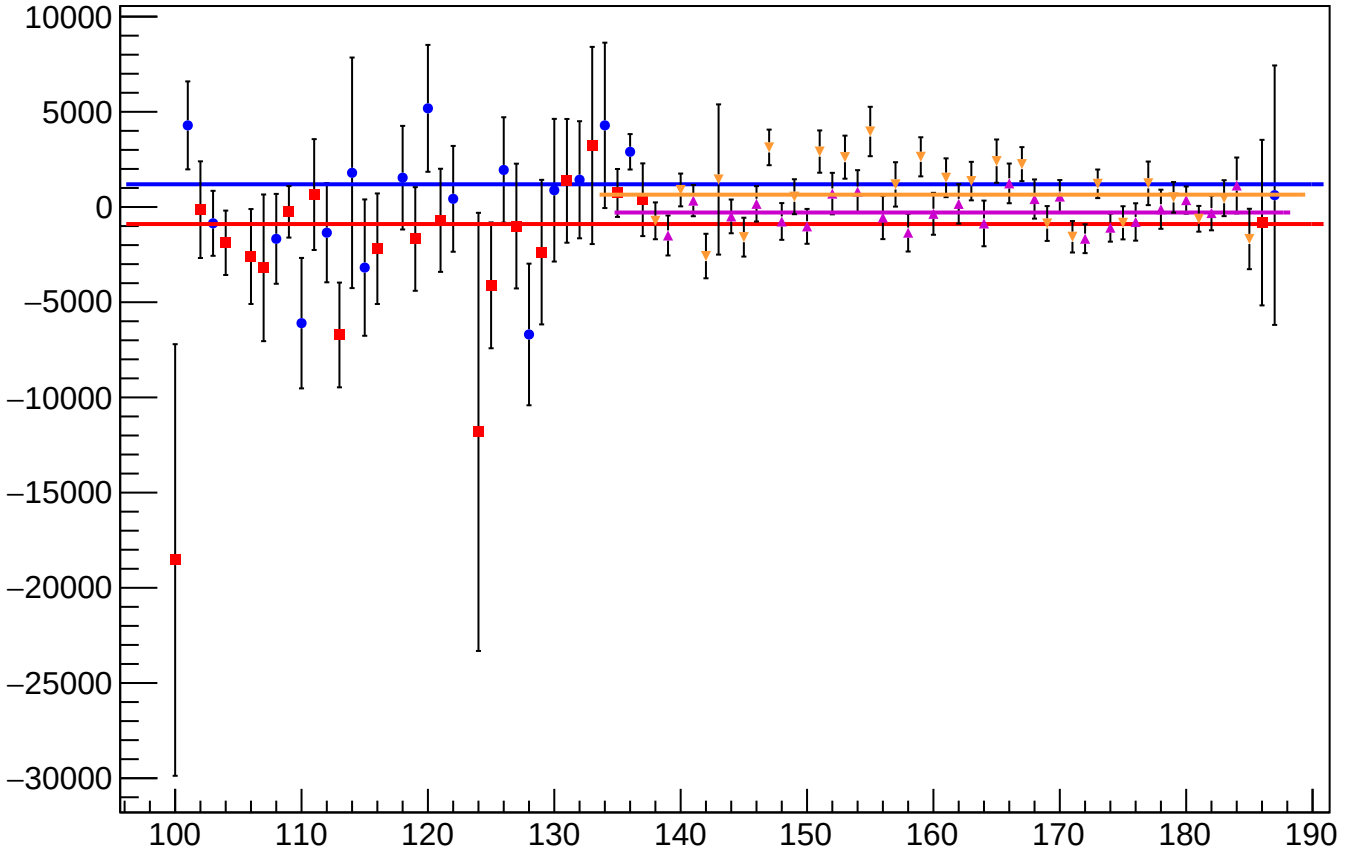
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1615.922+/-0.298 χ^2/NDF: 849650.8/36

In: 1664.747+/-0.233 χ^2/NDF:592811.3/39

Out: 1672.174+/-0.229 χ^2/NDF:962632.4/44

All: 1668.525+/-0.164 χ^2/NDF: 1555959.1/84



Right In: 1194.216+/-576.169 χ^2/NDF: 21.7/16

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -894.239+/-552.157 χ^2/NDF: 14.2/19

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

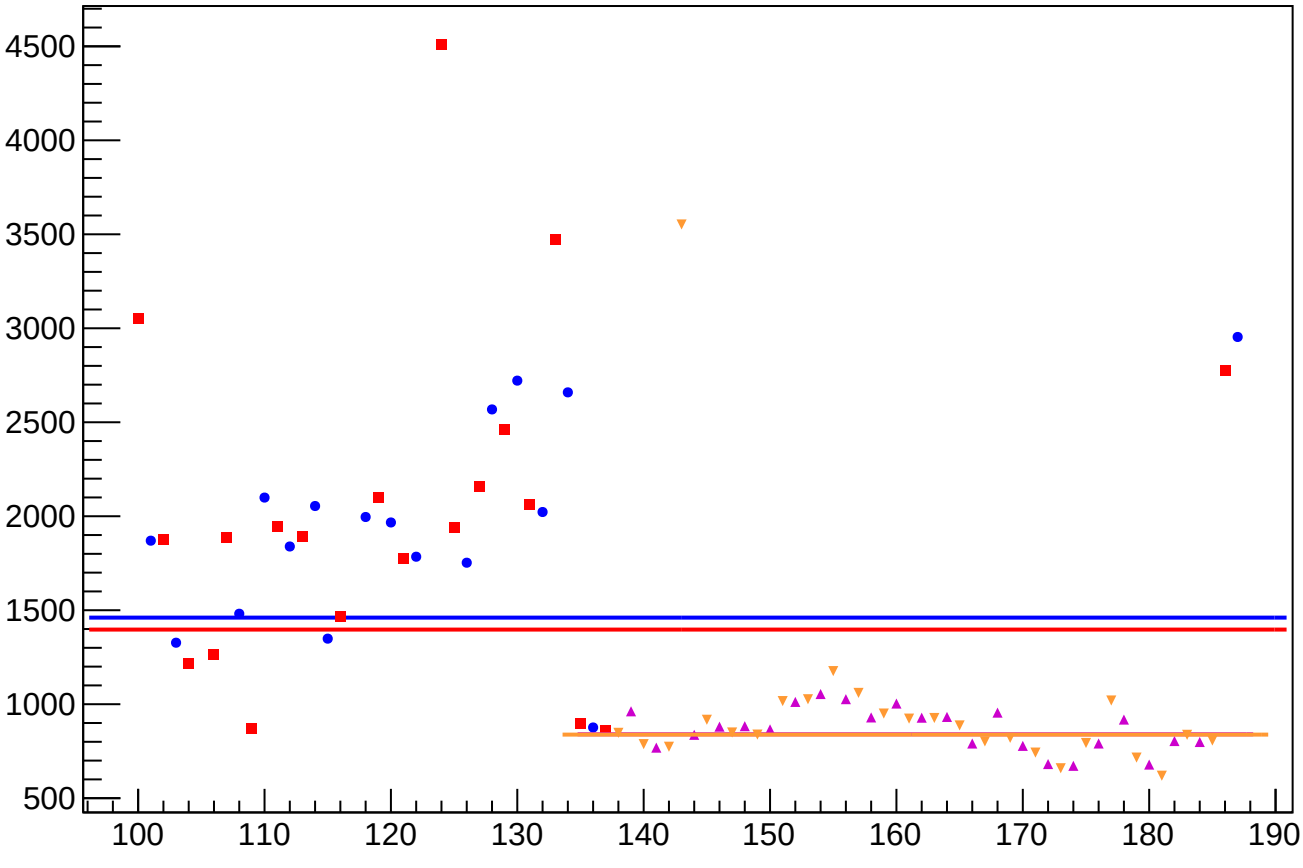
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 105.565+/-398.653 χ^2/NDF: 42.7/36

In: -131.284+/-187.670 χ^2/NDF:44.2/39

Out: 476.963+/-184.434 χ^2/NDF:86.7/44

All: 178.128+/-131.544 χ^2/NDF: 136.2/84



Right In: 1460.693+/-0.407 χ^2/NDF: 1889409.2/16

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1397.023+/-0.390 χ^2/NDF: 2331758.4/19

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

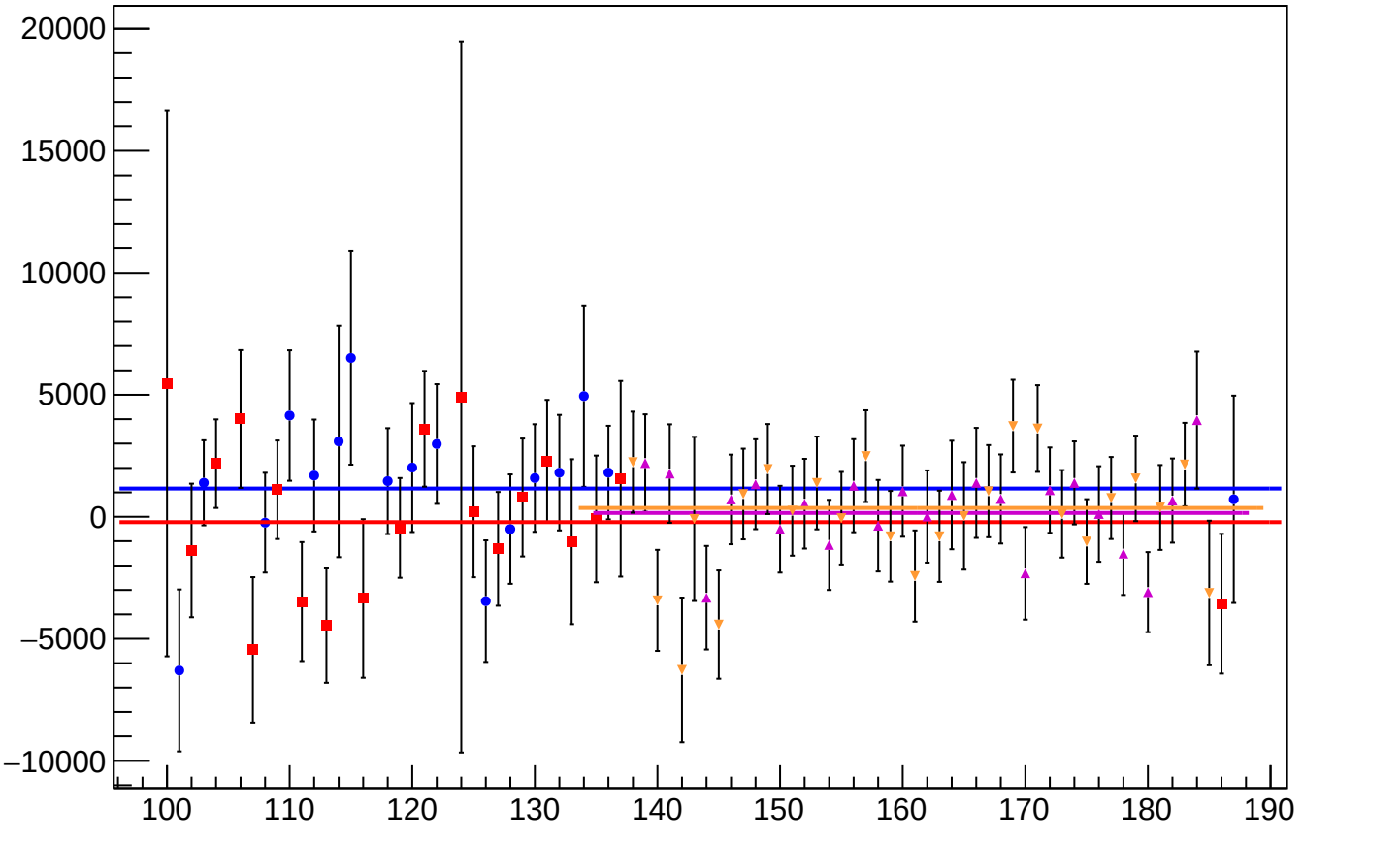
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1427.503+/-0.282 χ^2/NDF: 4233898.5/36

In: 905.832+/-0.133 χ^2/NDF:4633687.3/39

Out: 900.597+/-0.130 χ^2/NDF:5951557.6/44

All: 903.169+/-0.093 χ^2/NDF: 10586036.5/84



Right In: 1157.701+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -221.016+/-590.389 χ^2/NDF: 19.7/19

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

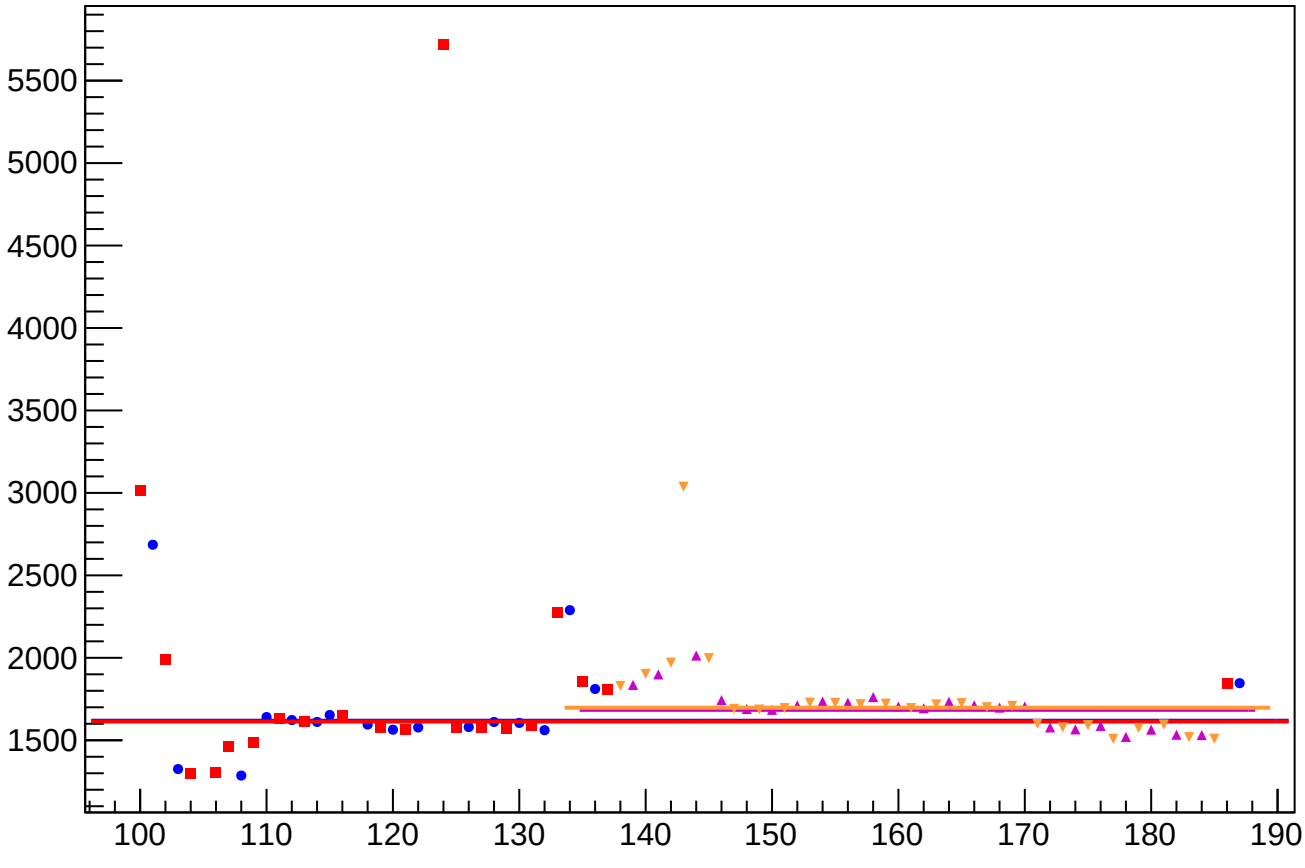
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 453.772+/-421.857 χ^2/NDF: 36.8/36

In: 456.632+/-329.985 χ^2/NDF:32.4/39

Out: 185.755+/-324.323 χ^2/NDF:50.0/44

All: 318.849+/-231.307 χ^2/NDF: 82.7/84



Right In: 1618.359+/-0.426 χ^2/NDF: 410560.0/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1613.587+/-0.417 χ^2/NDF: 439026.9/19

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

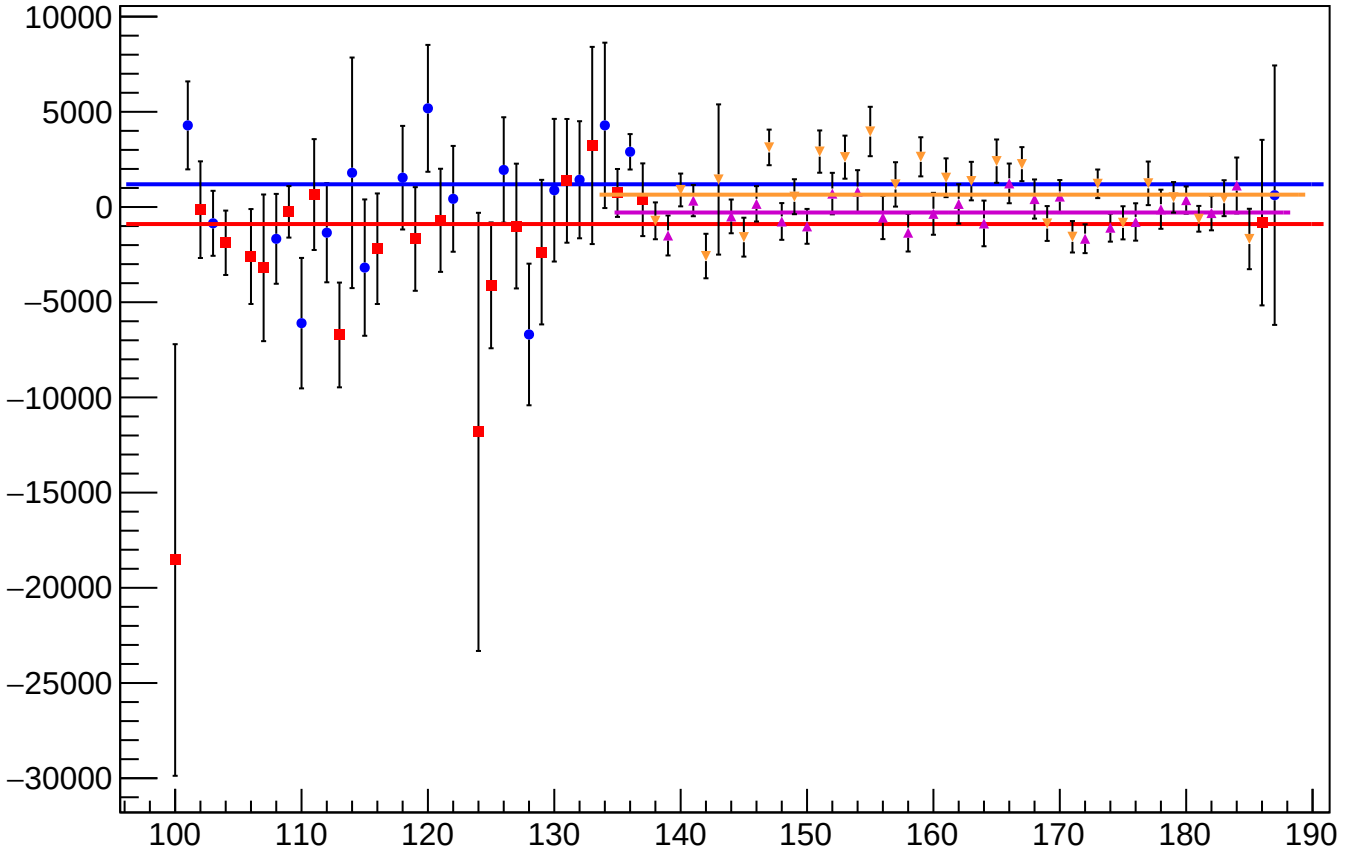
Right: 1615.922+/-0.298 χ^2/NDF: 849650.8/36

In: 1664.747+/-0.233 χ^2/NDF:592811.3/39

Out: 1672.174+/-0.229 χ^2/NDF:962632.4/44

All: 1668.525+/-0.164 χ^2/NDF: 1555959.1/84

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1194.216+/-576.169 χ^2/NDF: 21.7/16

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -894.239+/-552.157 χ^2/NDF: 14.2/19

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

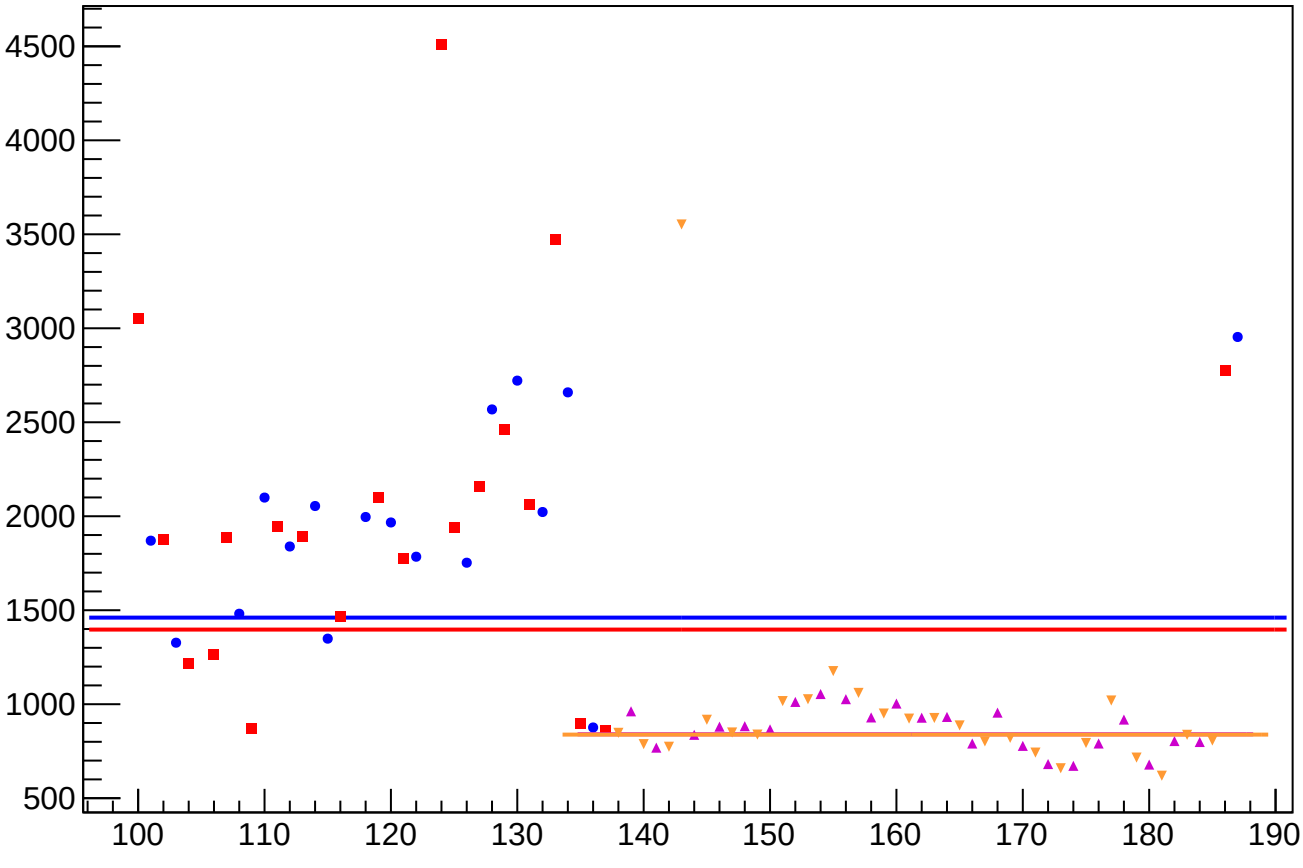
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 105.565+/-398.653 χ^2/NDF: 42.7/36

In: -131.284+/-187.670 χ^2/NDF:44.2/39

Out: 476.963+/-184.434 χ^2/NDF:86.7/44

All: 178.128+/-131.544 χ^2/NDF: 136.2/84



Right In: 1460.693+/-0.407 χ^2/NDF: 1889409.2/16

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1397.023+/-0.390 χ^2/NDF: 2331758.4/19

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

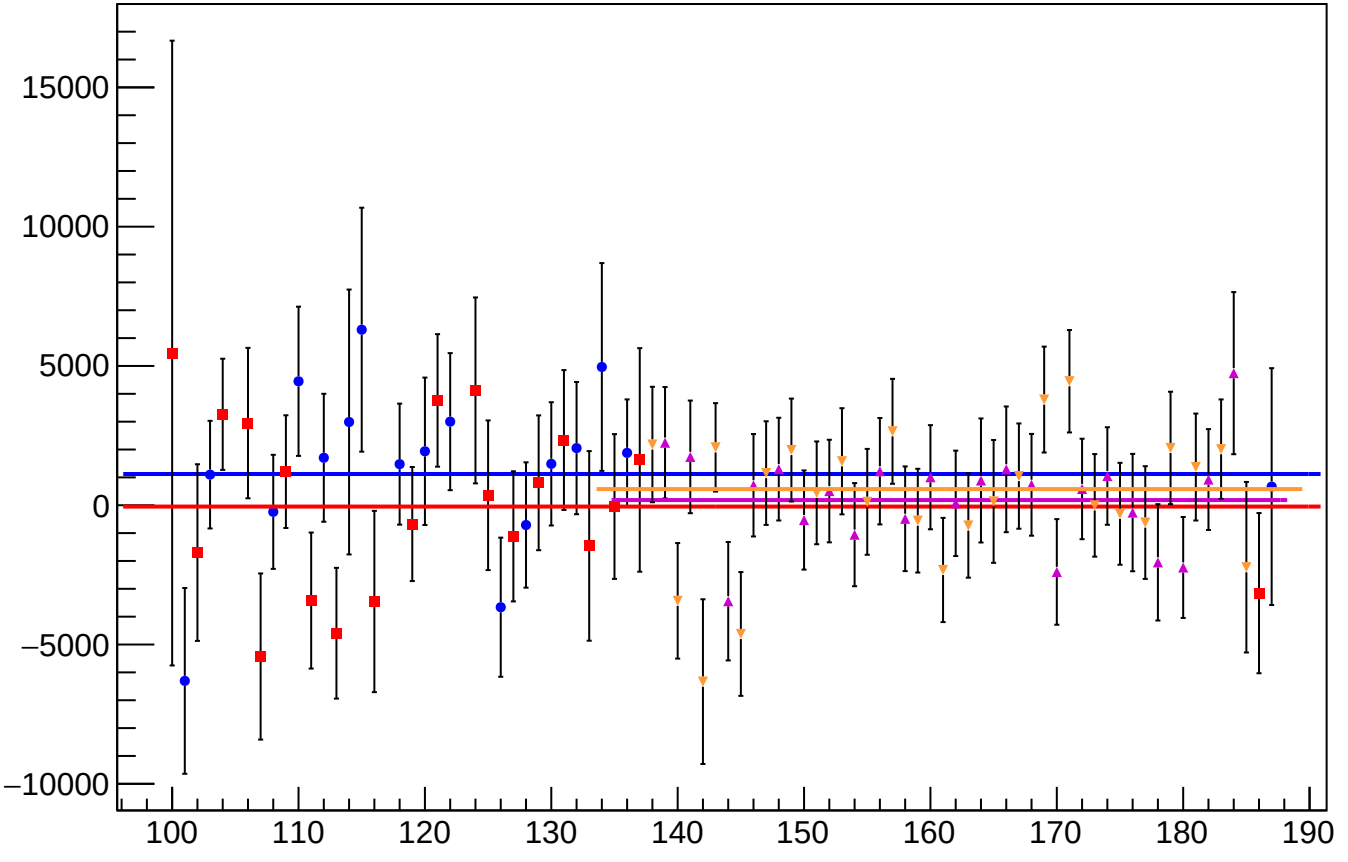
Right: 1427.503+/-0.282 χ^2/NDF: 4233898.5/36

In: 905.832+/-0.133 χ^2/NDF:4633687.3/39

Out: 900.597+/-0.130 χ^2/NDF:5951557.6/44

All: 903.169+/-0.093 χ^2/NDF: 10586036.5/84

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1121.200+/-610.832 χ^2/NDF: 15.0/16

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -47.480+/-590.233 χ^2/NDF: 21.9/19

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

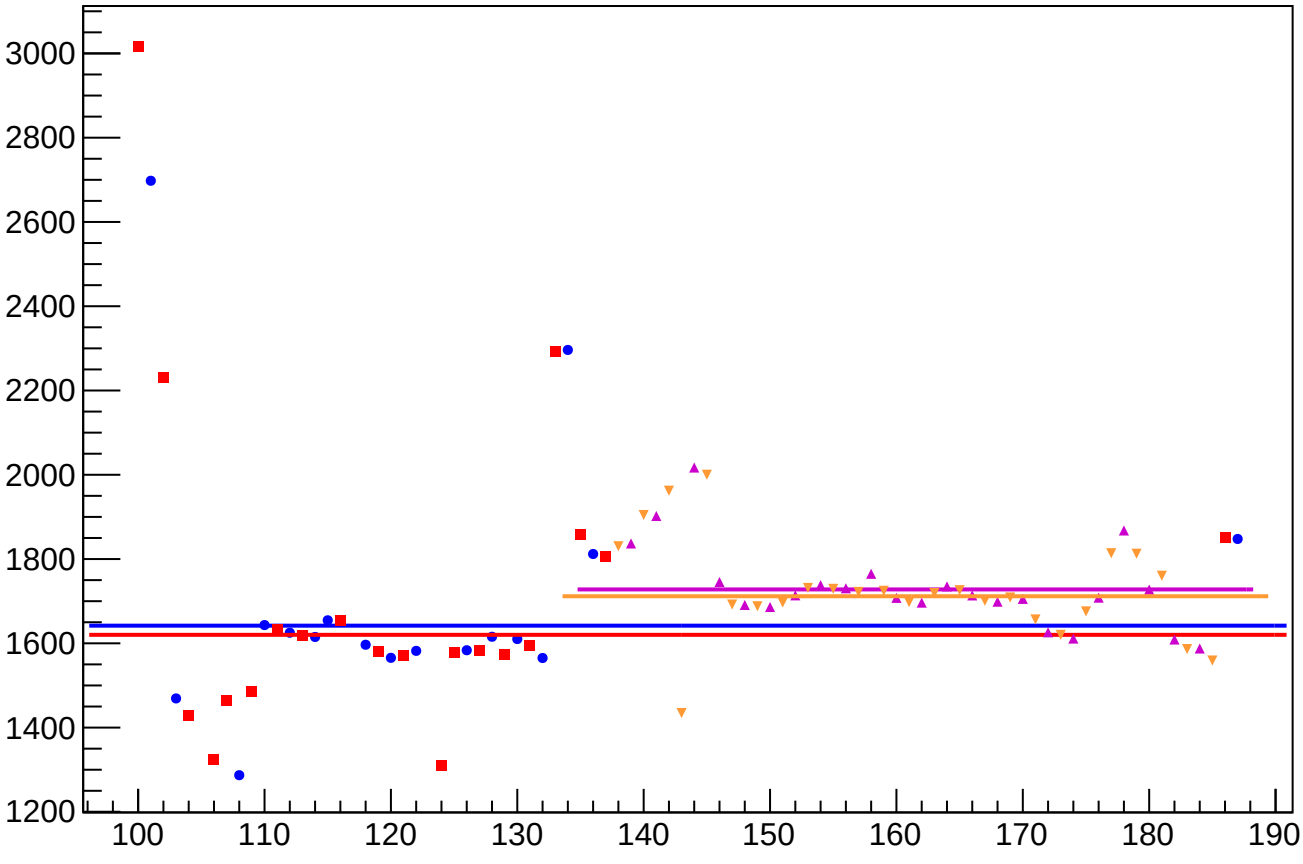
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 516.823+/-424.453 χ^2/NDF: 38.8/36

In: 470.578+/-337.021 χ^2/NDF:31.1/39

Out: 389.667+/-325.250 χ^2/NDF:54.6/44

All: 428.685+/-234.037 χ^2/NDF: 85.7/84



Right In: 1641.912+/-0.432 χ^2/NDF: 366202.1/16

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1620.150+/-0.417 χ^2/NDF: 294148.1/19

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

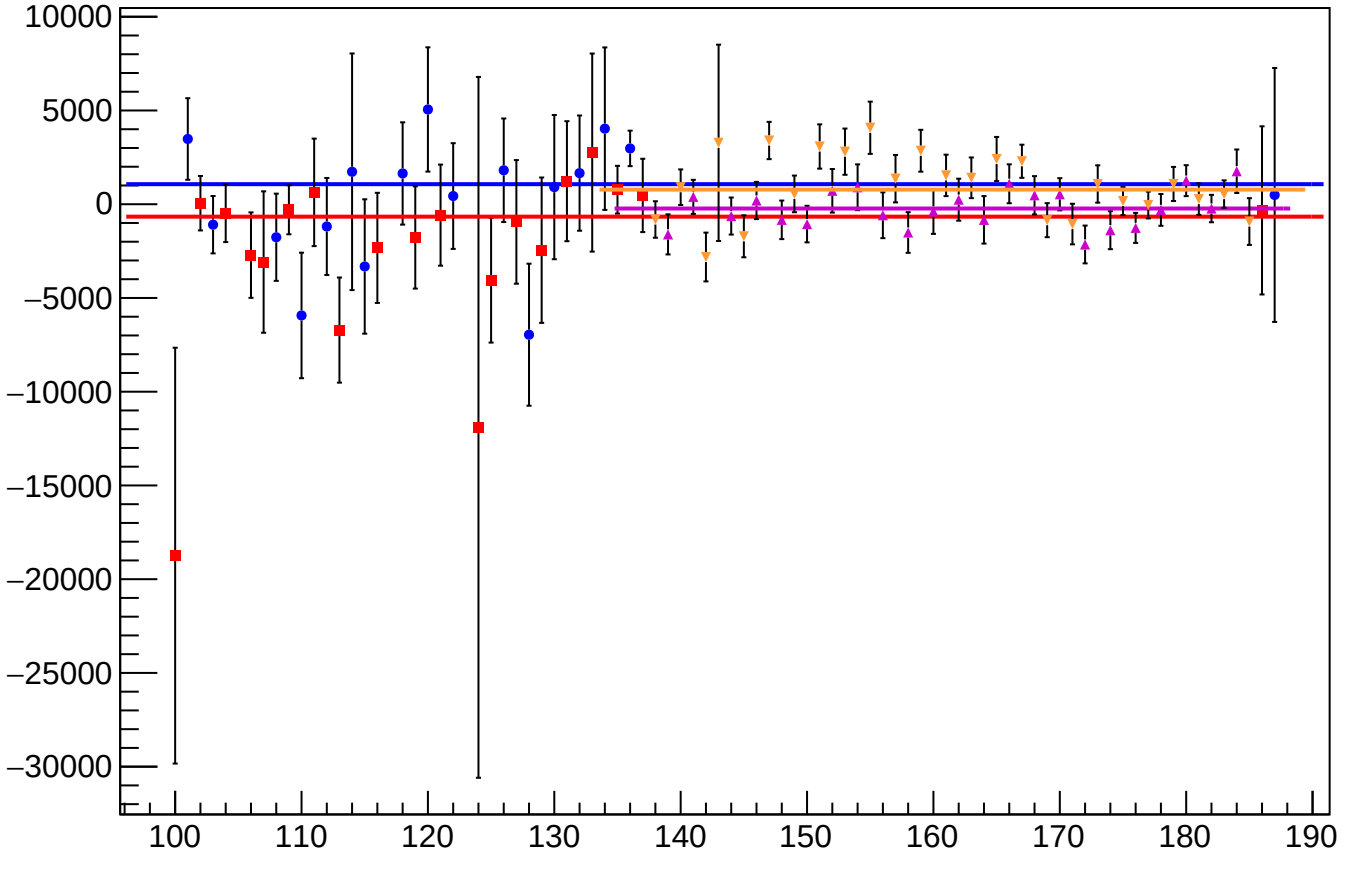
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1630.658+/-0.300 χ^2/NDF: 661662.9/36

In: 1701.732+/-0.238 χ^2/NDF:494005.5/39

Out: 1683.908+/-0.230 χ^2/NDF:495668.6/44

All: 1692.503+/-0.165 χ^2/NDF: 992570.6/84



Right In: 1069.496+/-569.583 χ^2/NDF: 22.0/16

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -663.226+/-519.947 χ^2/NDF: 13.6/19

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

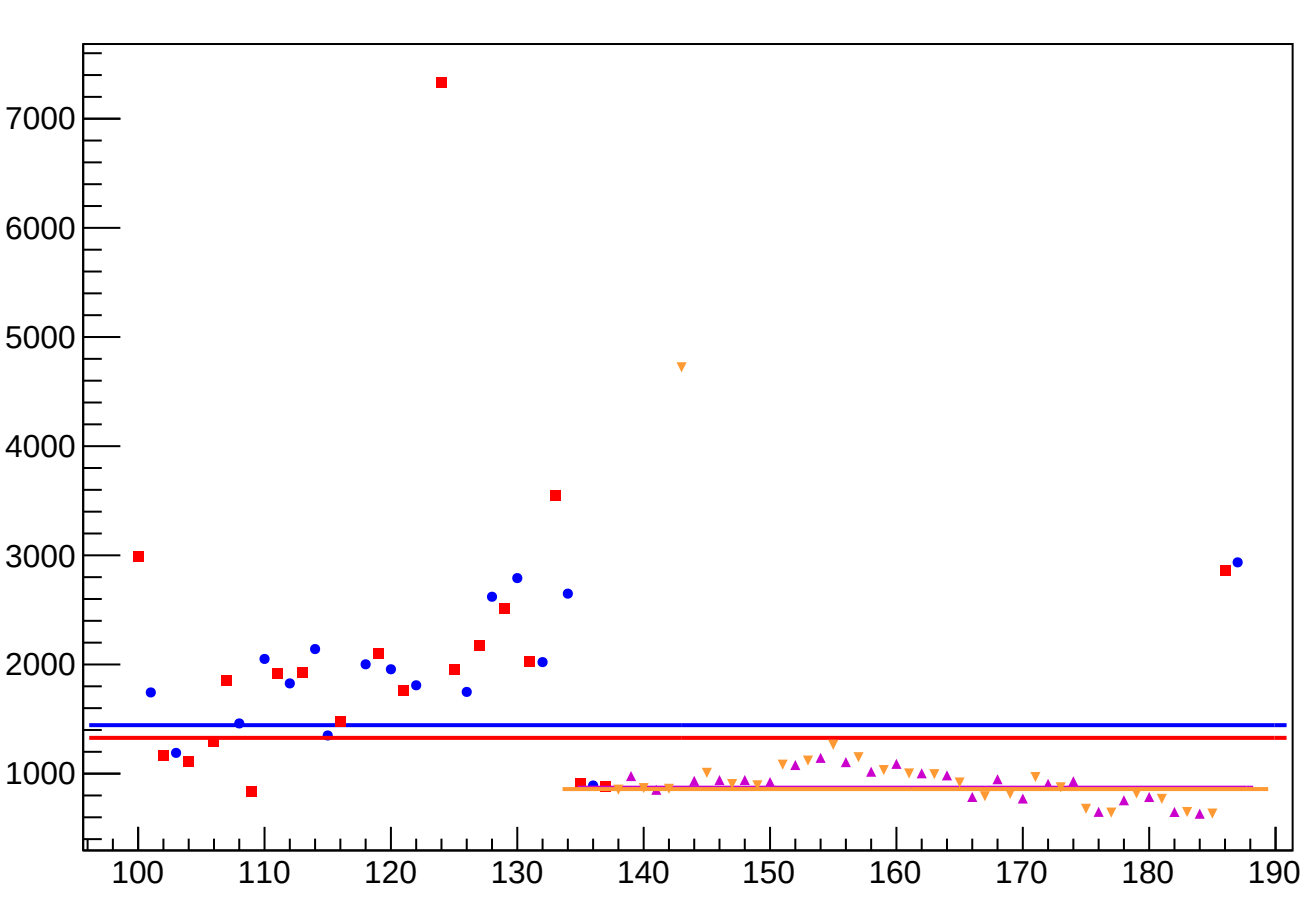
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 124.360+/-384.009 χ^2/NDF: 40.6/36

In: -77.783+/-194.304 χ^2/NDF:49.2/39

Out: 590.428+/-187.999 χ^2/NDF:74.8/44

All: 267.340+/-135.109 χ^2/NDF: 130.1/84



Right In: 1444.105+/-0.403 χ^2/NDF: 1861221.0/16

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1327.765+/-0.368 χ^2/NDF: 2421049.0/19

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

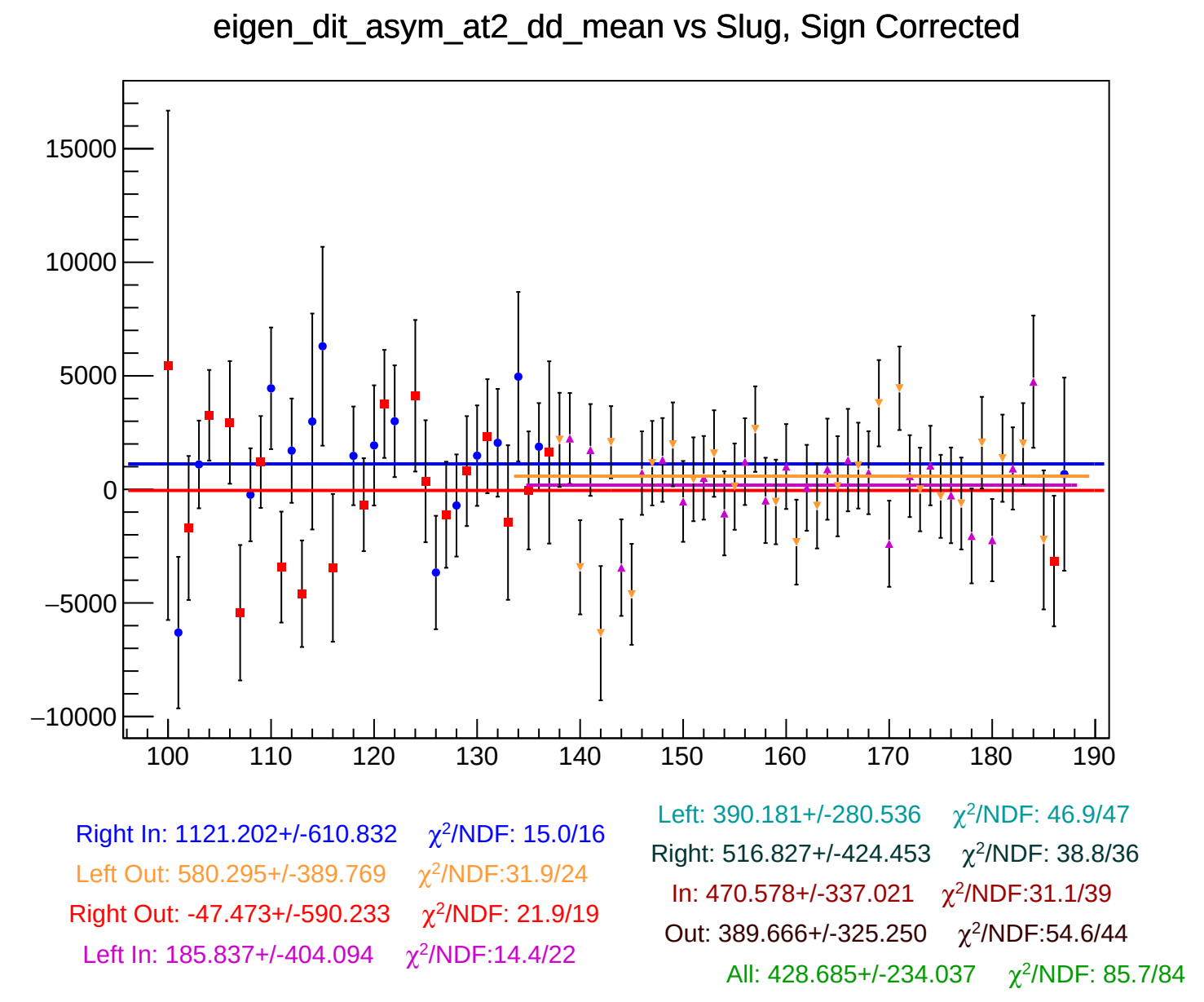
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

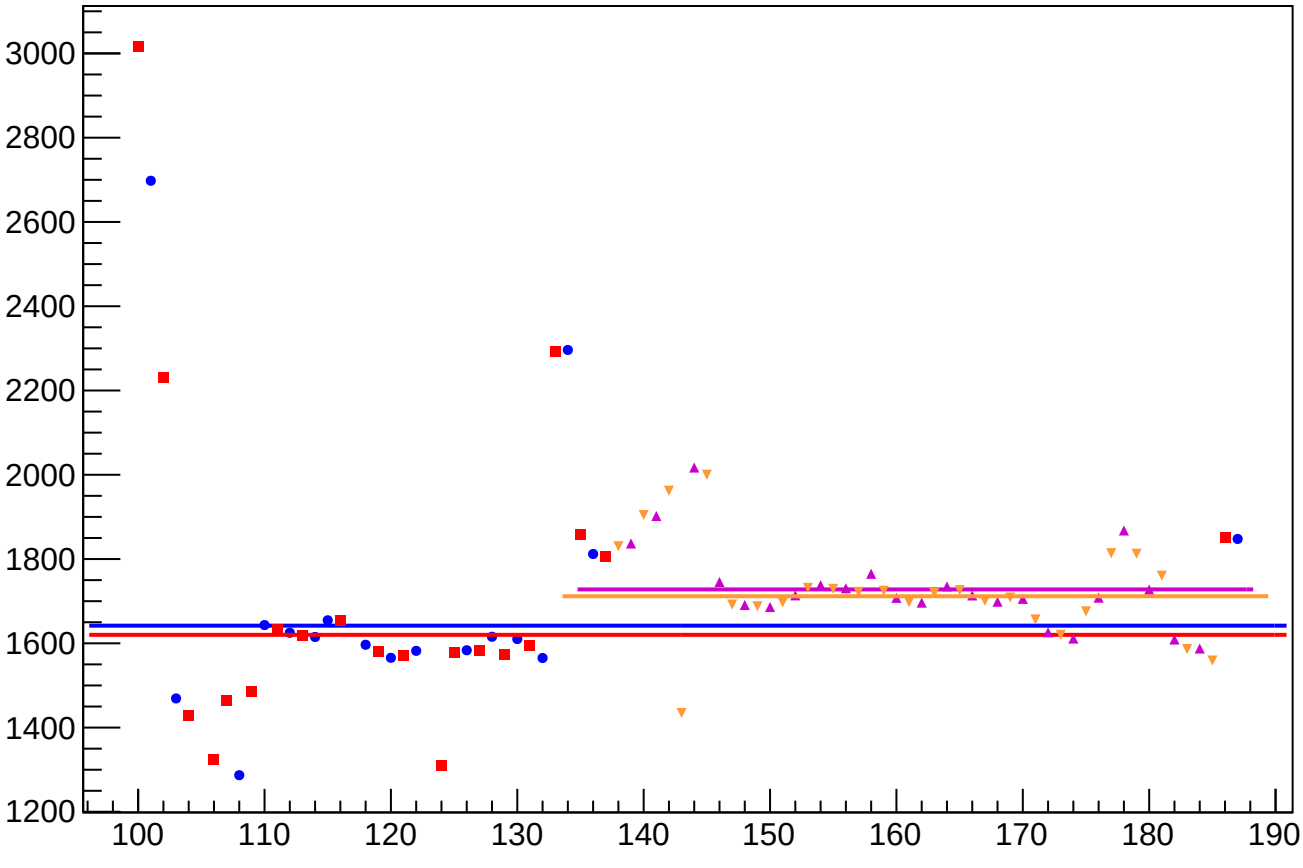
Right: 1380.646+/-0.272 χ^2/NDF: 4327783.7/36

In: 938.159+/-0.137 χ^2/NDF:4626471.3/39

Out: 919.930+/-0.133 χ^2/NDF:6116386.4/44

All: 928.744+/-0.096 χ^2/NDF: 10751949.6/84


eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 1121.202+/-610.832 χ²/NDF: 15.0/16
Left Out: 580.295+/-389.769 χ²/NDF:31.9/24
Right Out: -47.473+/-590.233 χ²/NDF: 21.9/19
Left In: 185.837+/-404.094 χ²/NDF:14.4/22
Left: 390.181+/-280.536 χ²/NDF: 46.9/47
Right: 516.827+/-424.453 χ²/NDF: 38.8/36
In: 470.578+/-337.021 χ²/NDF:31.1/39
Out: 389.666+/-325.250 χ²/NDF:54.6/44
All: 428.685+/-234.037 χ²/NDF: 85.7/84



Right In: 1641.912+/-0.432 χ^2/NDF: 366202.0/16

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1620.150+/-0.417 χ^2/NDF: 294148.3/19

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

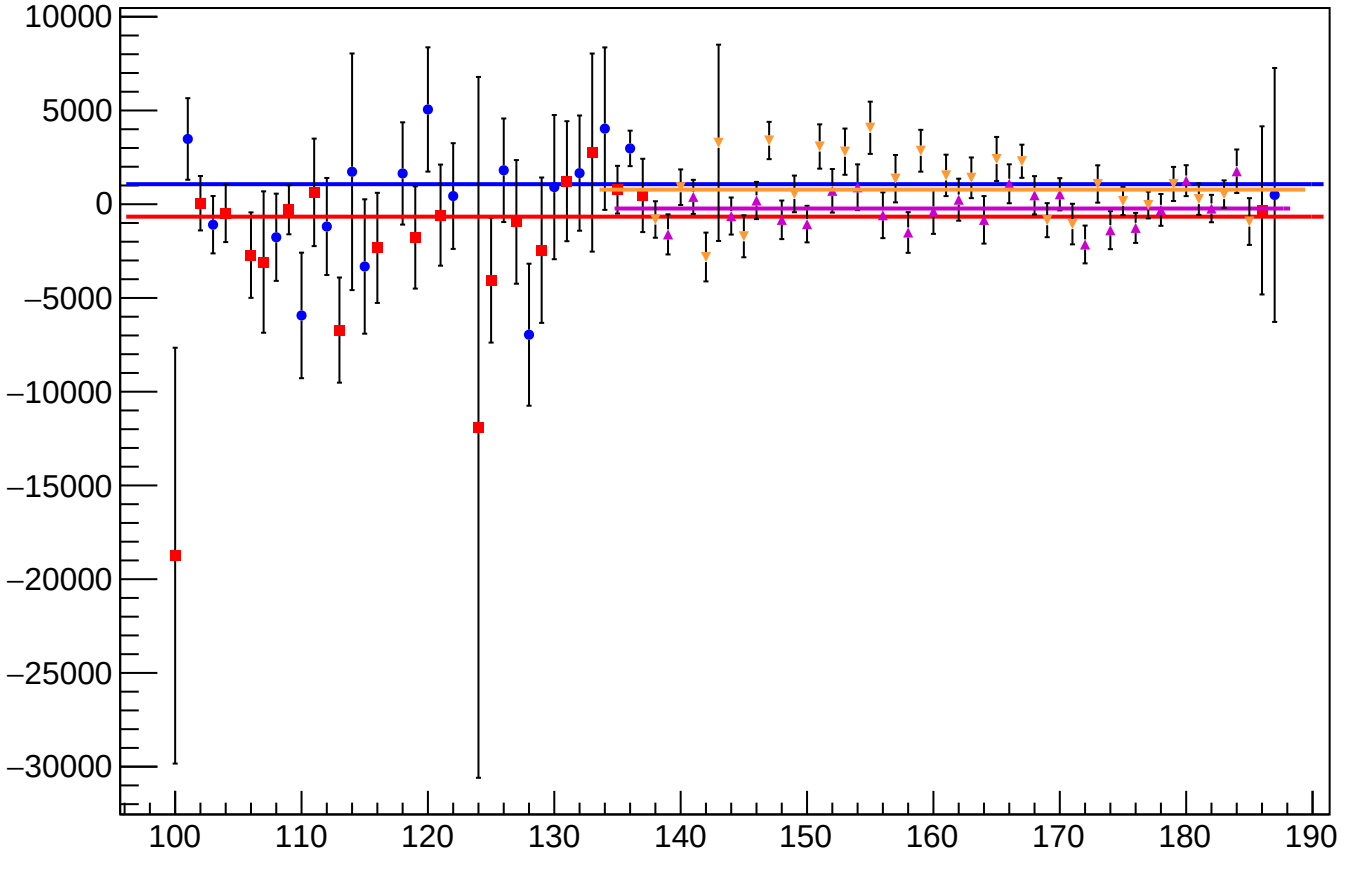
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1630.658+/-0.300 χ^2/NDF: 661663.0/36

In: 1701.732+/-0.238 χ^2/NDF:494005.1/39

Out: 1683.908+/-0.230 χ^2/NDF:495667.6/44

All: 1692.503+/-0.165 χ^2/NDF: 992569.1/84



Right In: 1069.485+/-569.587 χ^2/NDF: 22.0/16

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -663.237+/-519.950 χ^2/NDF: 13.6/19

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

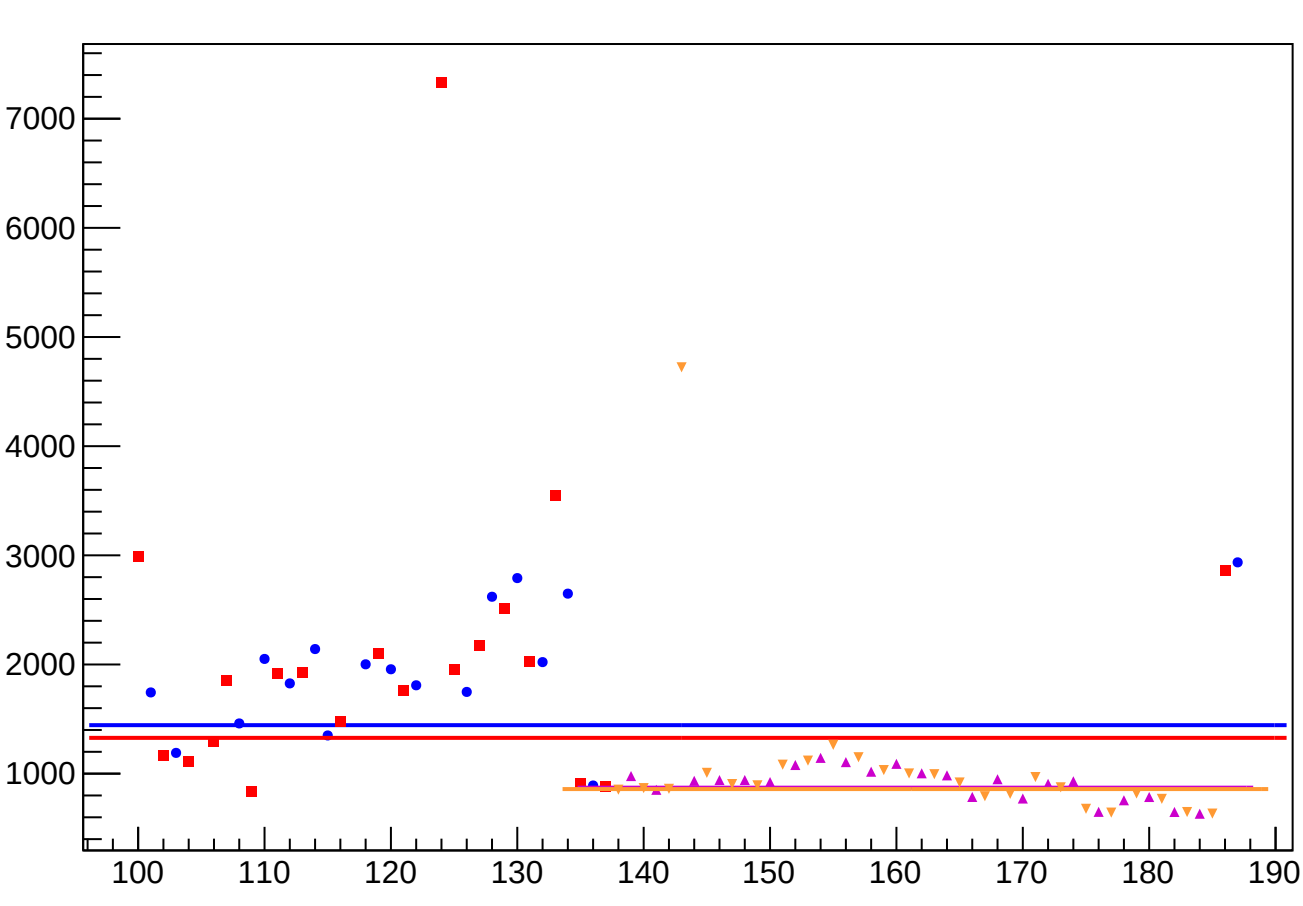
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 124.349+/-384.012 χ^2/NDF: 40.6/36

In: -77.785+/-194.304 χ^2/NDF:49.2/39

Out: 590.431+/-187.999 χ^2/NDF:74.8/44

All: 267.341+/-135.109 χ^2/NDF: 130.1/84



Right In: 1444.121+/-0.403 χ^2/NDF: 1861125.7/16

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1327.778+/-0.368 χ^2/NDF: 2420972.9/19

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

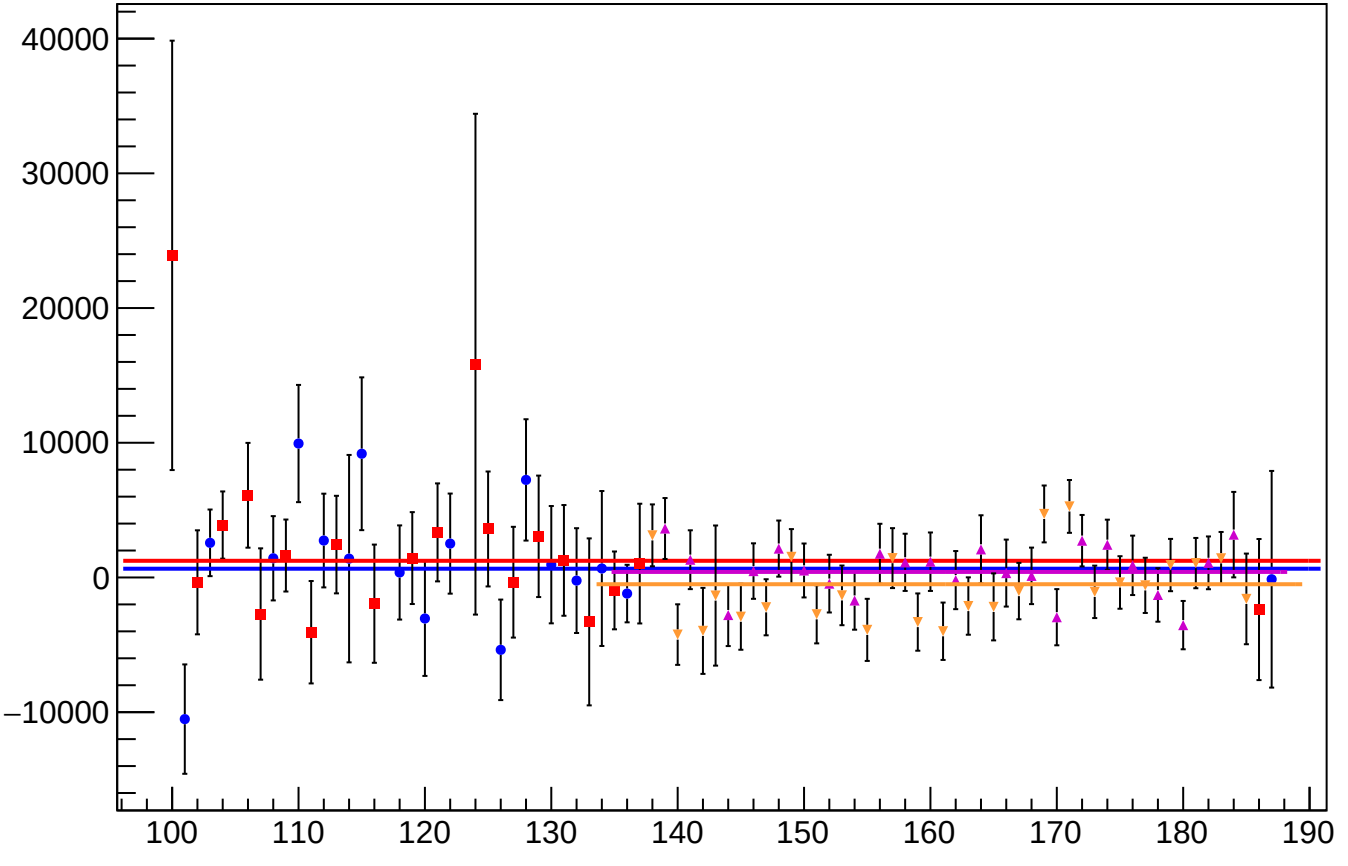
Right: 1380.660+/-0.272 χ^2/NDF: 4327613.3/36

In: 938.159+/-0.137 χ^2/NDF:4626461.4/39

Out: 919.931+/-0.133 χ^2/NDF:6116363.3/44

All: 928.744+/-0.096 χ^2/NDF: 10751915.4/84

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 649.446+/-903.807 χ^2/NDF: 22.0/16

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1237.324+/-877.969 χ^2/NDF: 11.3/19

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

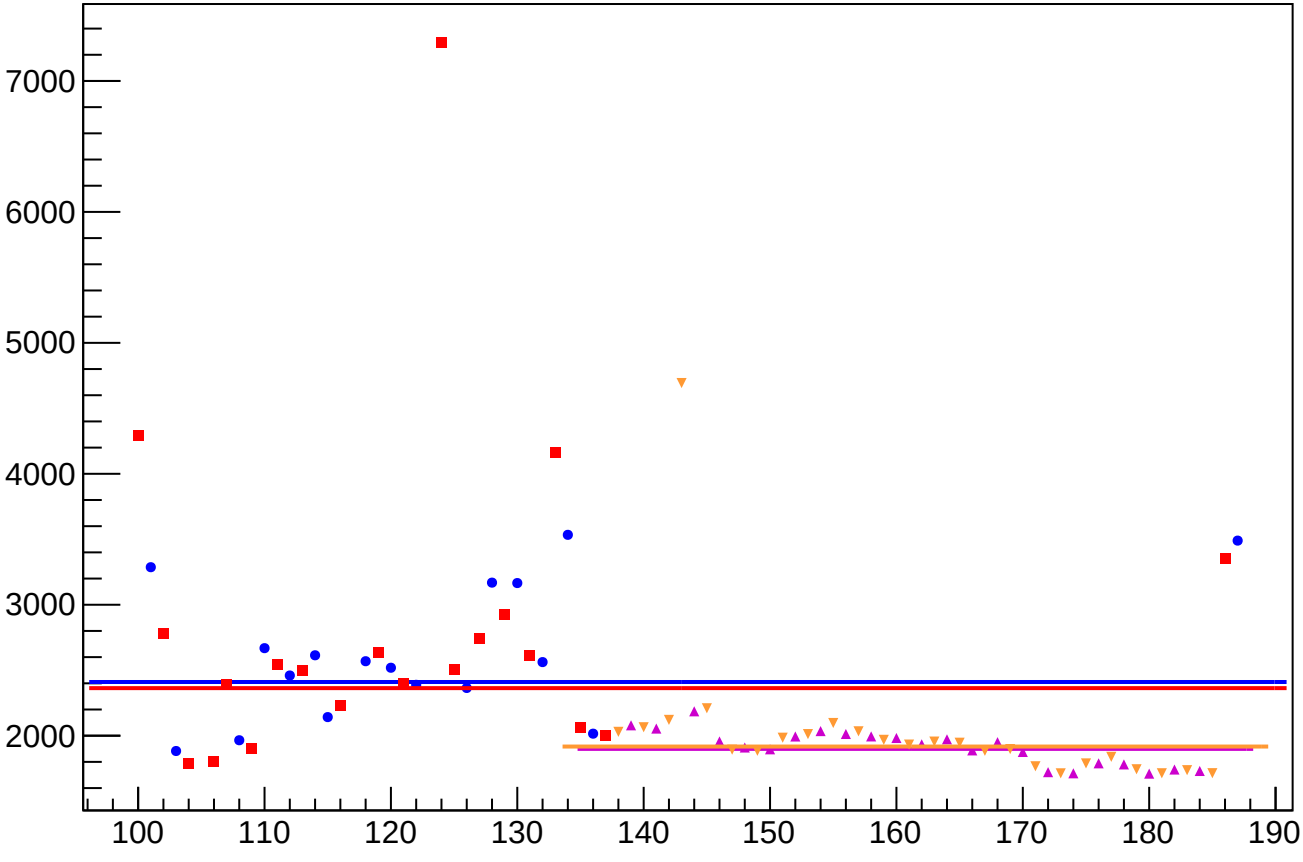
Right: 951.909+/-629.754 χ^2/NDF: 33.5/36

In: 457.714+/-398.924 χ^2/NDF:40.9/39

Out: -152.567+/-393.306 χ^2/NDF:50.4/44

All: 148.246+/-280.074 χ^2/NDF: 92.5/84

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2410.089+/-0.639 χ^2/NDF: 544413.2/16

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2363.222+/-0.621 χ^2/NDF: 755094.4/19

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

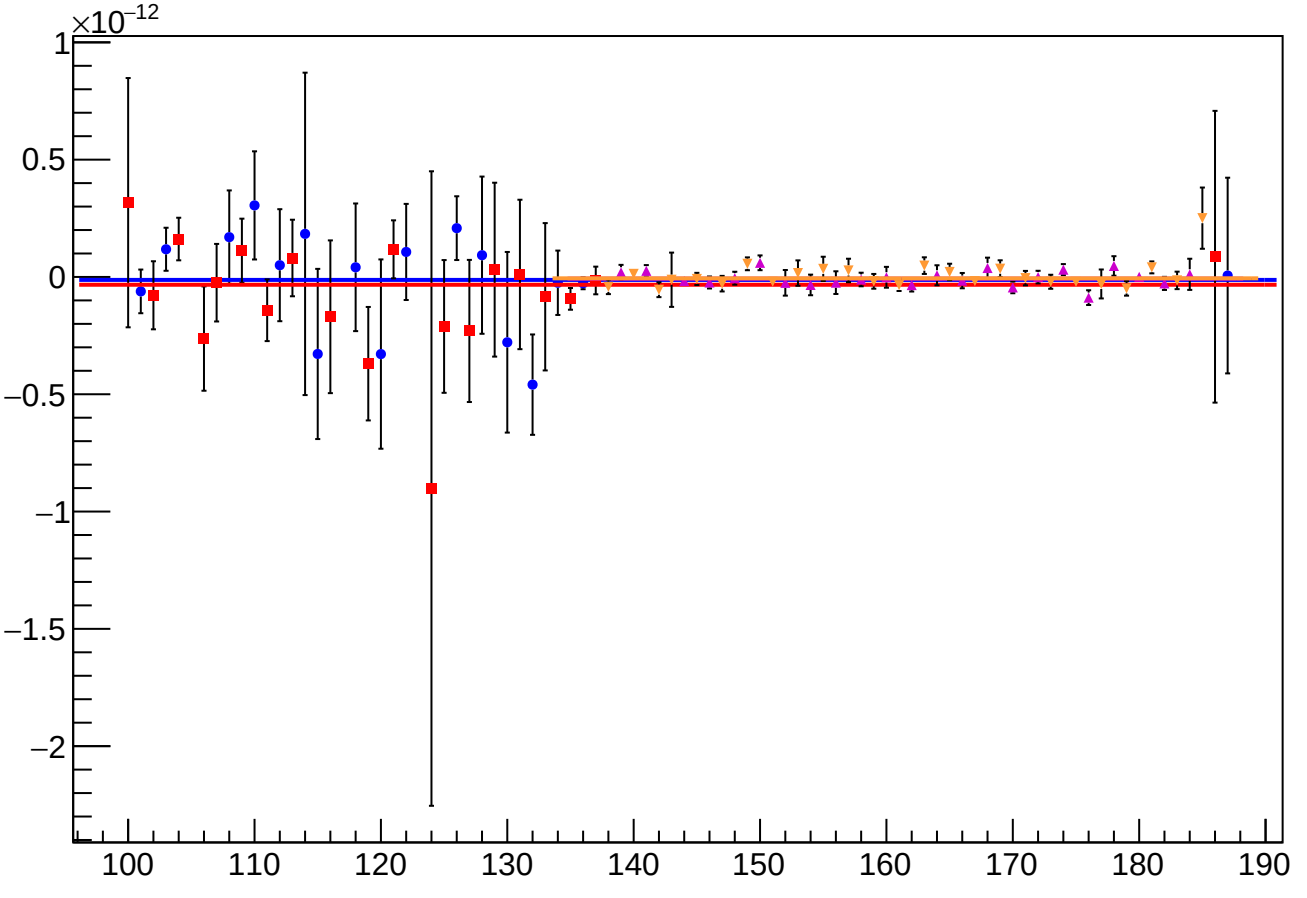
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2385.976+/-0.445 χ^2/NDF: 1302274.6/36

In: 1998.767+/-0.282 χ^2/NDF:1232246.5/39

Out: 2006.674+/-0.278 χ^2/NDF:1924140.5/44

All: 2002.777+/-0.198 χ^2/NDF: 3156785.5/84



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/19

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

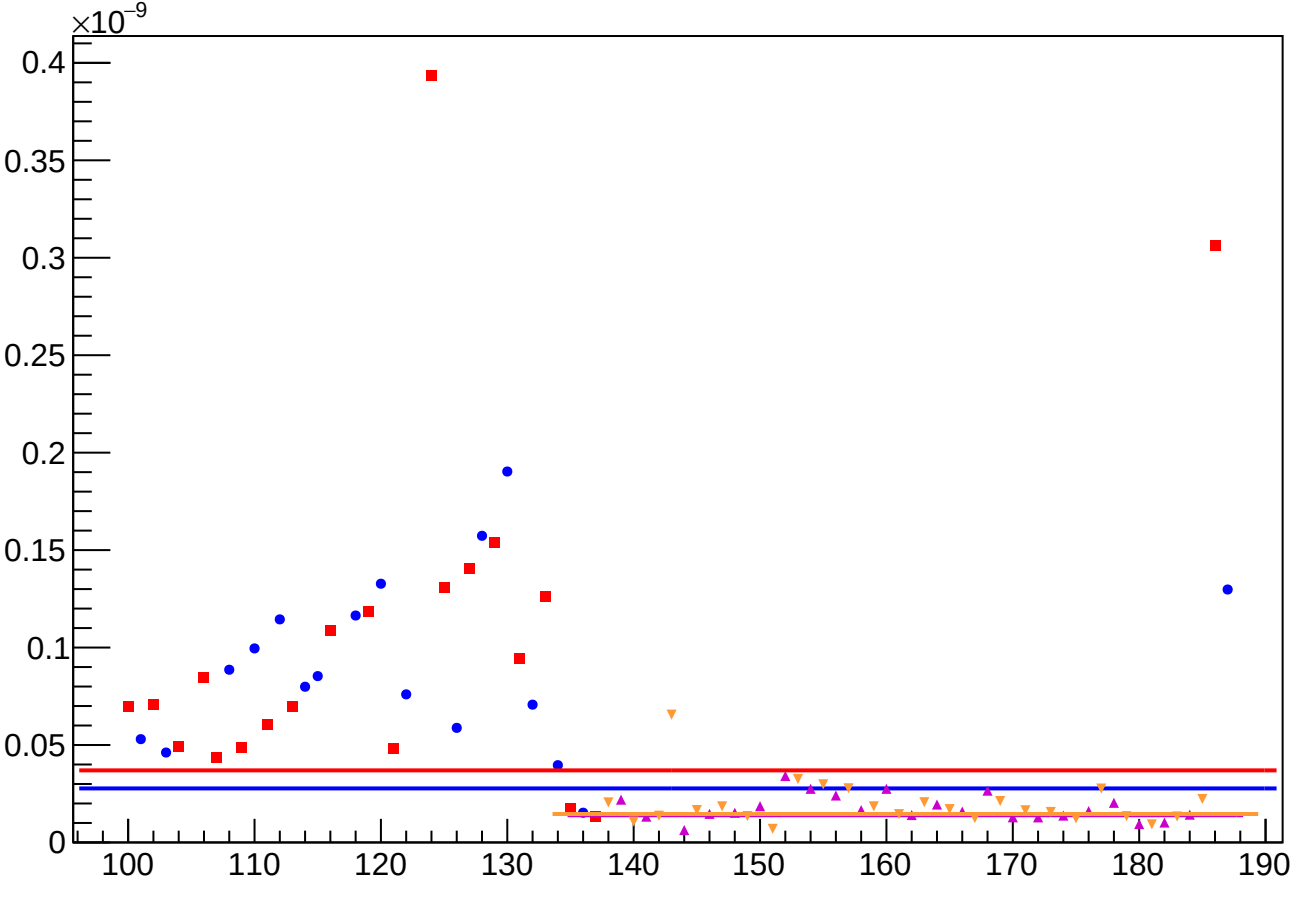
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 30.4/36

In: -0.000+/-0.000 χ^2/NDF:39.9/39

Out: -0.000+/-0.000 χ^2/NDF:44.7/44

All: -0.000+/-0.000 χ^2/NDF: 84.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 2848118.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2818270.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

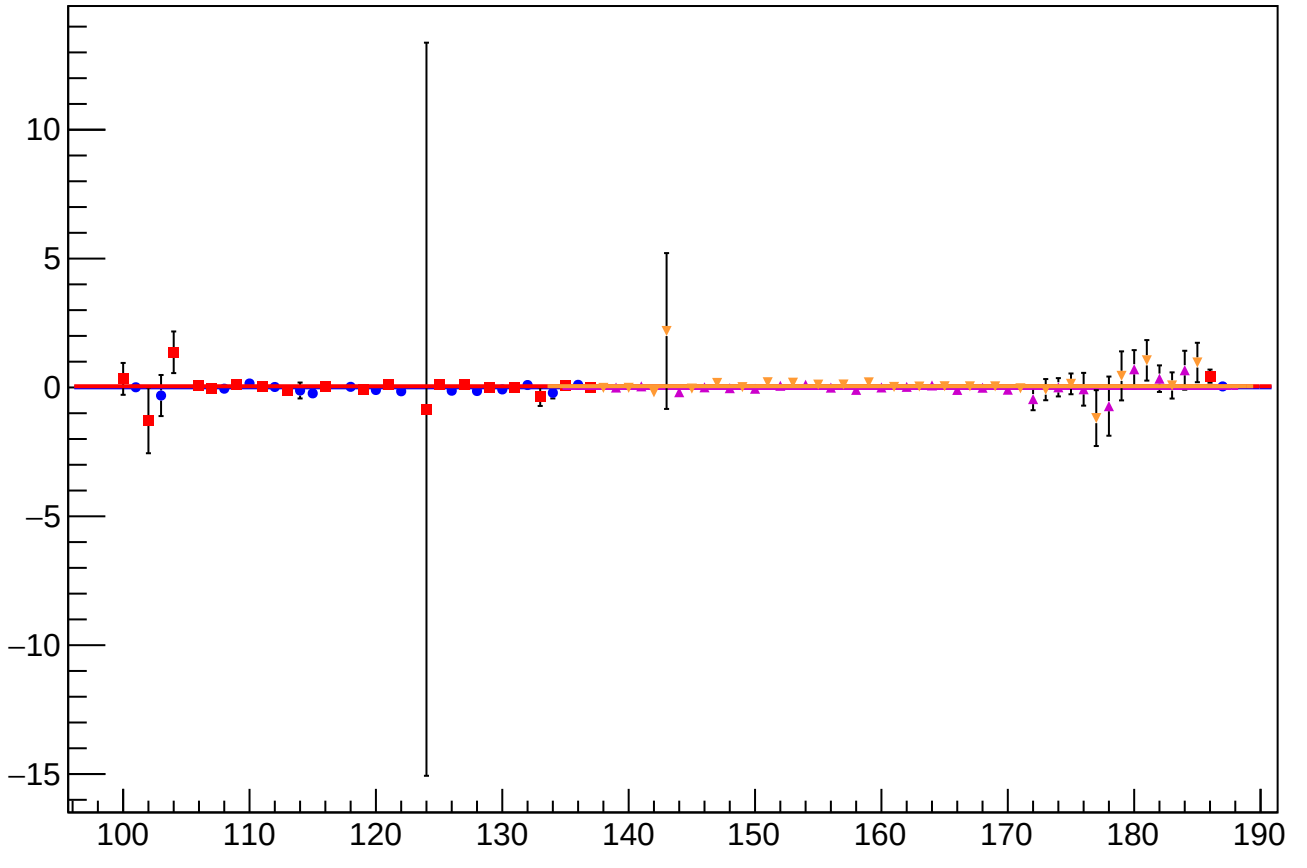
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5801201.4/36

In: 0.000+/-0.000 χ^2/NDF:5513297.0/39

Out: 0.000+/-0.000 χ^2/NDF:5919407.7/44

All: 0.000+/-0.000 χ^2/NDF: 11446912.8/84



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.047+/-0.025 χ^2/NDF: 15.1/19

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

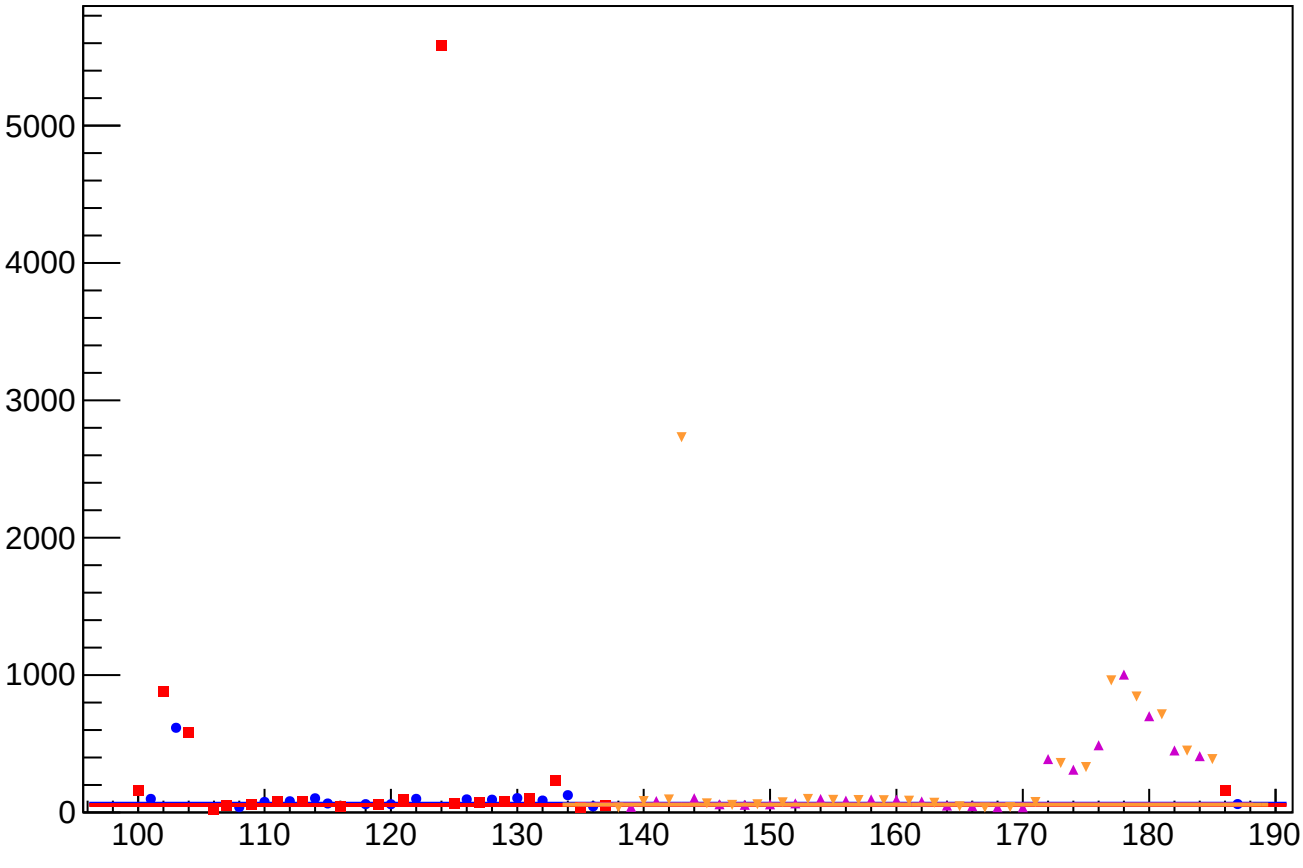
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.028+/-0.018 χ^2/NDF: 29.8/36

In: -0.012+/-0.014 χ^2/NDF:29.3/39

Out: 0.049+/-0.014 χ^2/NDF:39.6/44

All: 0.019+/-0.010 χ^2/NDF: 78.1/84



Right In: 63.377+/-0.019 χ^2/NDF: 2445739.6/16

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 54.214+/-0.017 χ^2/NDF: 4293883.0/19

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

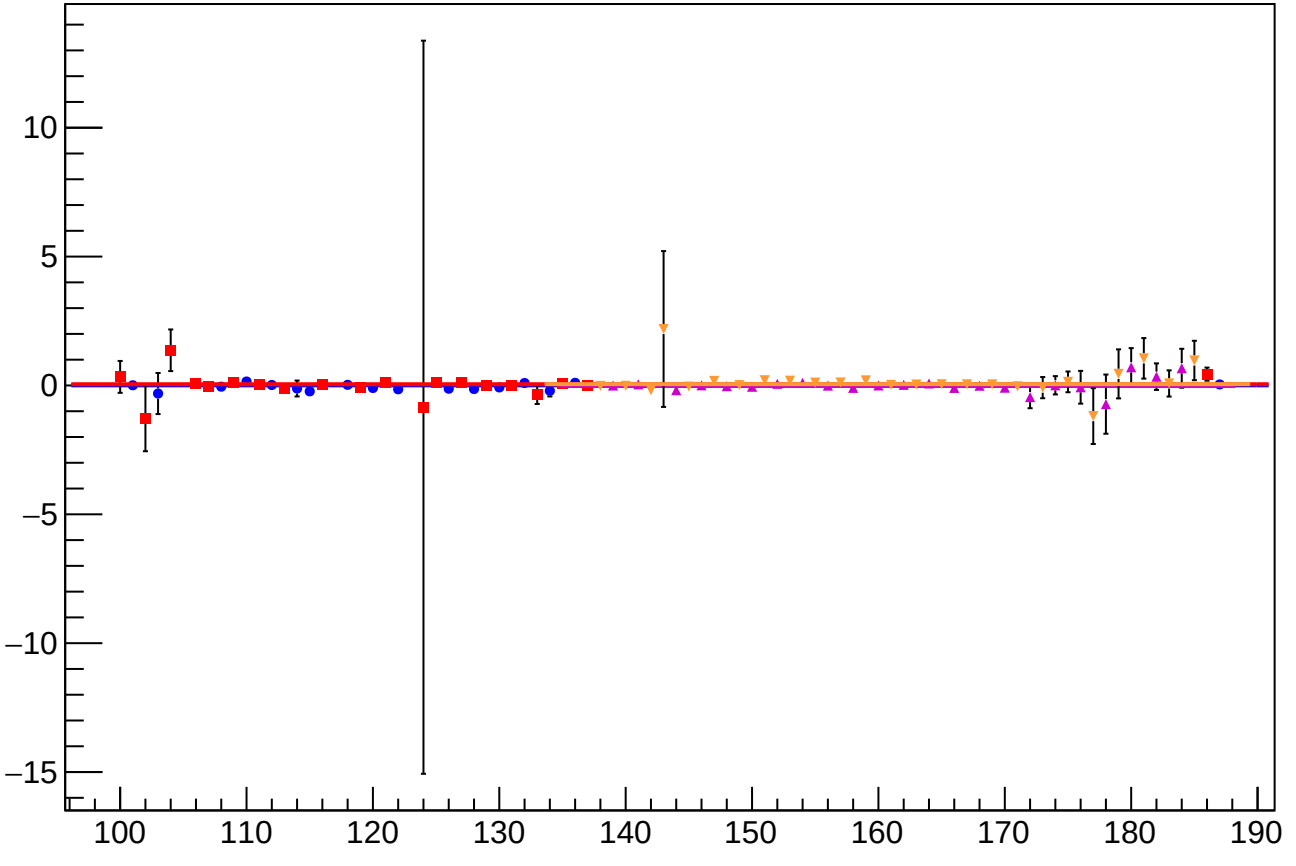
Right: 58.433+/-0.013 χ^2/NDF: 6866139.7/36

In: 59.974+/-0.010 χ^2/NDF:12738989.1/39

Out: 56.280+/-0.010 χ^2/NDF:16636486.0/44

All: 58.074+/-0.007 χ^2/NDF: 29442922.4/84

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.047+/-0.025 χ^2/NDF: 15.1/19

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

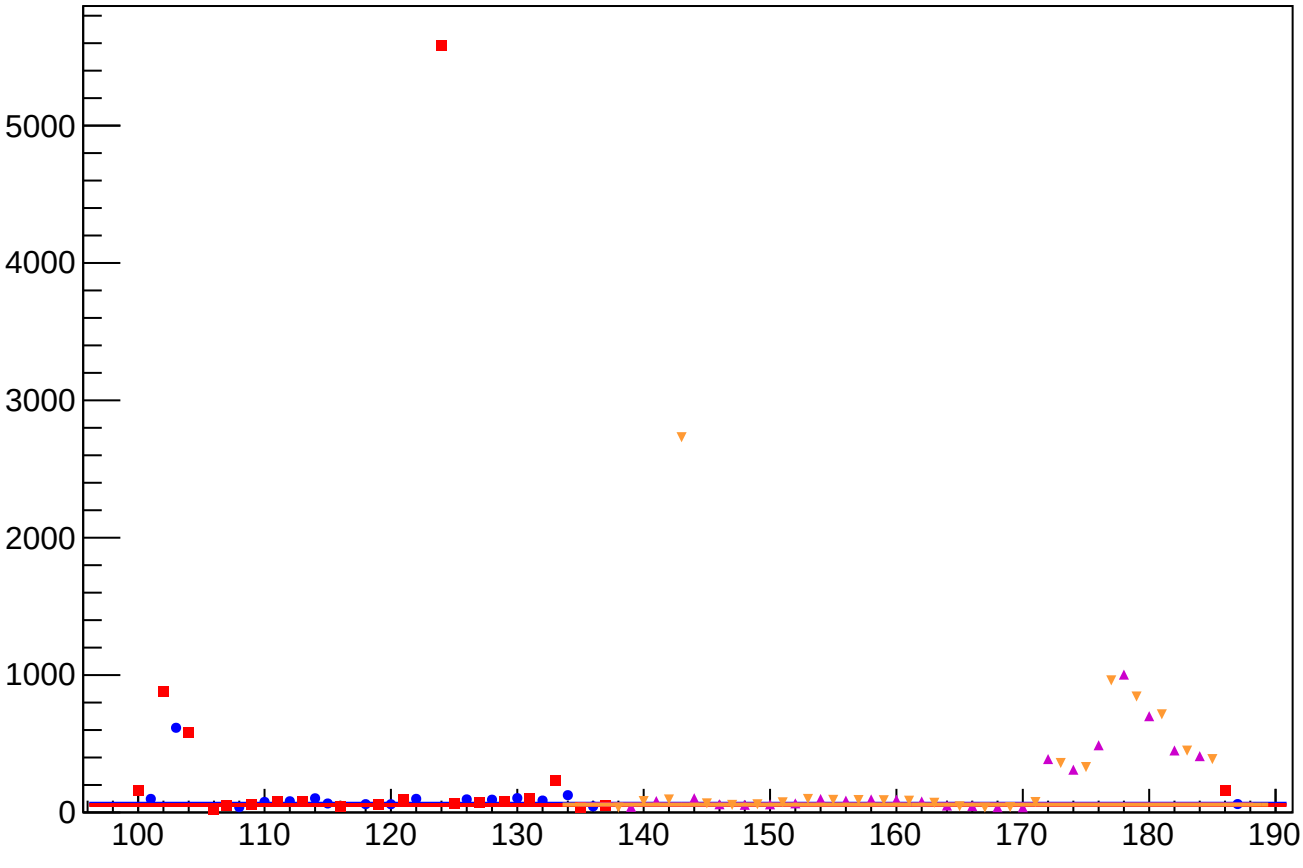
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.028+/-0.018 χ^2/NDF: 29.8/36

In: -0.012+/-0.014 χ^2/NDF:29.3/39

Out: 0.049+/-0.014 χ^2/NDF:39.6/44

All: 0.019+/-0.010 χ^2/NDF: 78.1/84



Right In: 63.377+/-0.019 χ^2/NDF: 2445739.6/16

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 54.214+/-0.017 χ^2/NDF: 4293883.0/19

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

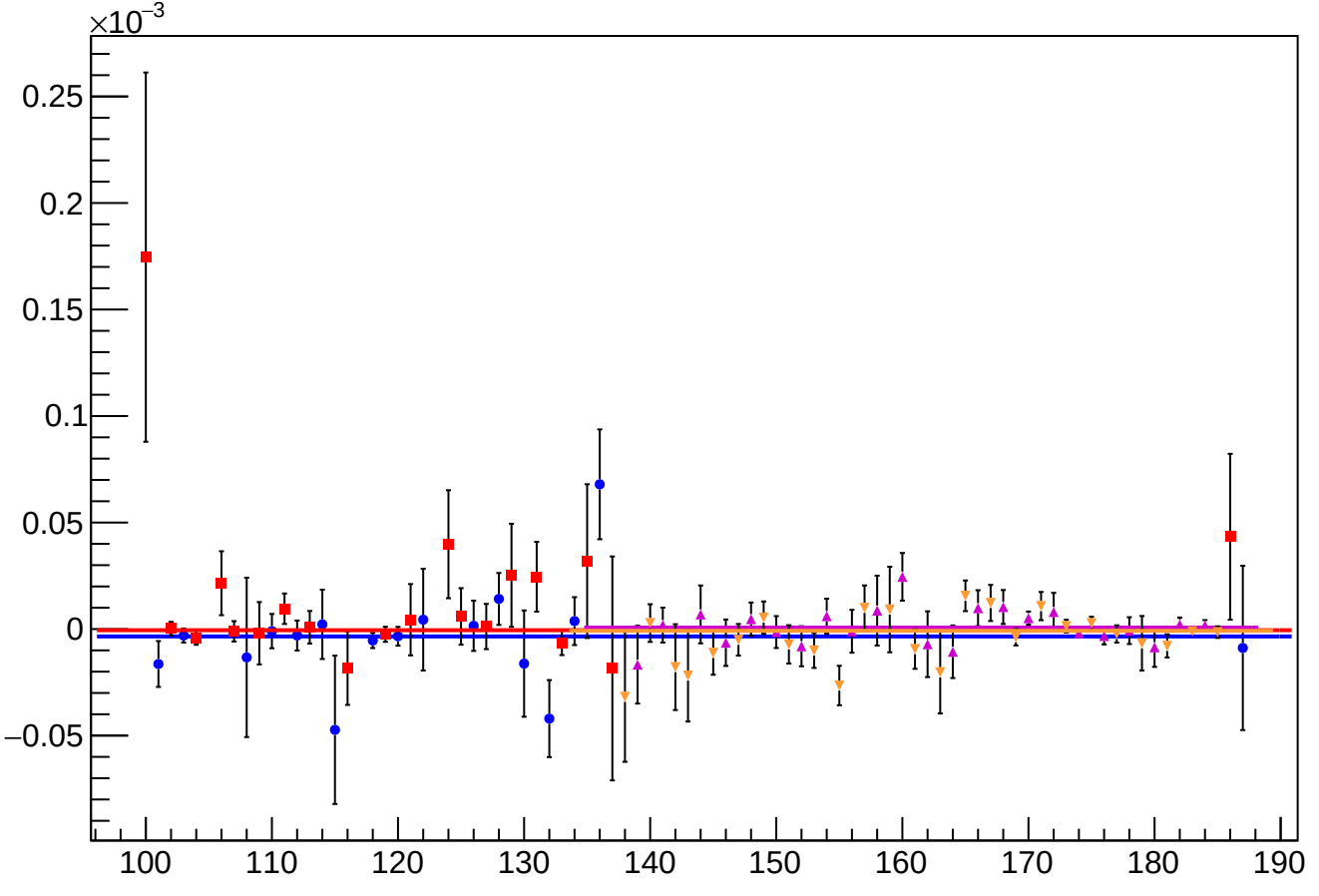
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 58.433+/-0.013 χ^2/NDF: 6866139.7/36

In: 59.974+/-0.010 χ^2/NDF:12738989.1/39

Out: 56.280+/-0.010 χ^2/NDF:16636486.0/44

All: 58.074+/-0.007 χ^2/NDF: 29442922.4/84



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

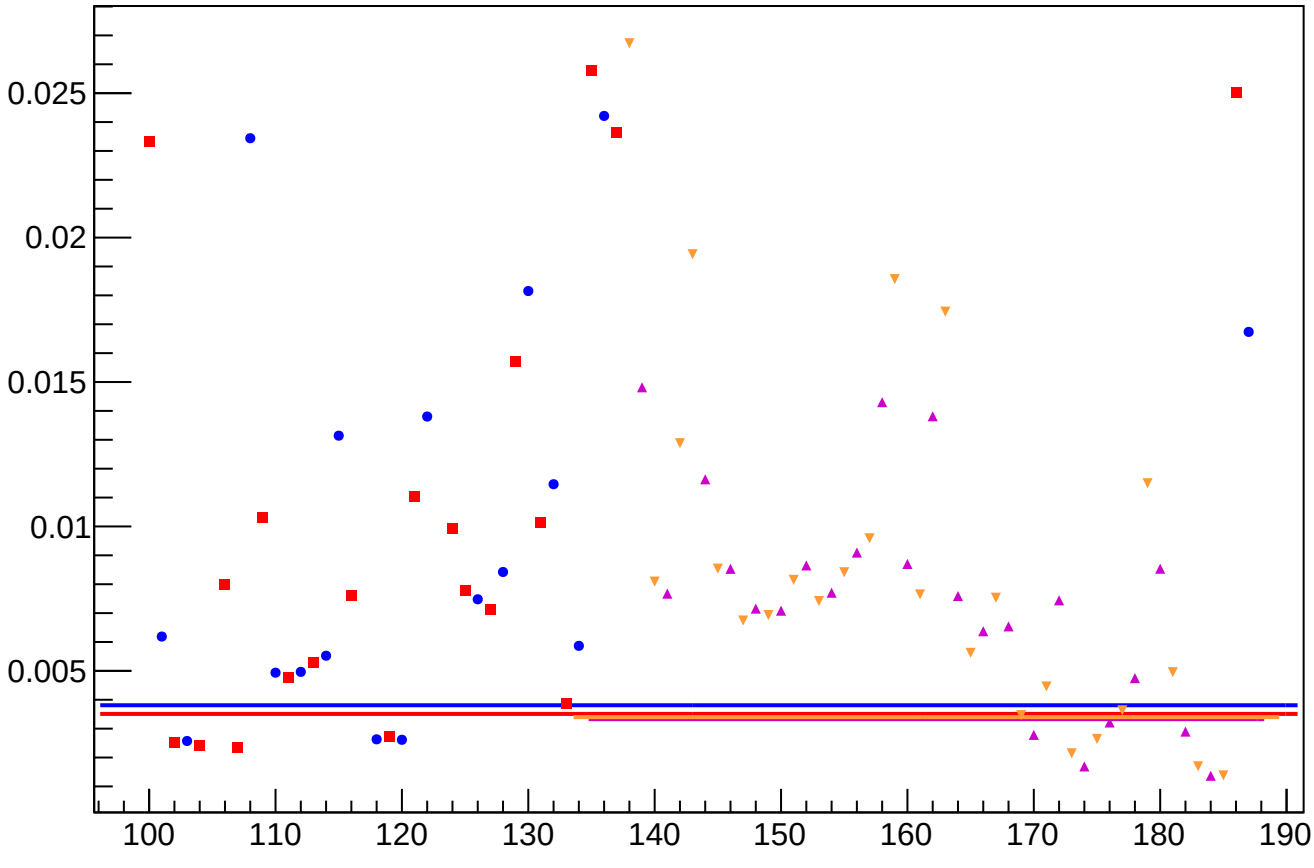
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 40.8/36

In: -0.000+/-0.000 χ^2/NDF:41.7/39

Out: -0.000+/-0.000 χ^2/NDF:53.2/44

All: -0.000+/-0.000 χ^2/NDF: 95.0/84



Right In: 0.004+/-0.000 χ^2/NDF: 4944824.4/16

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 5106448.8/19

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

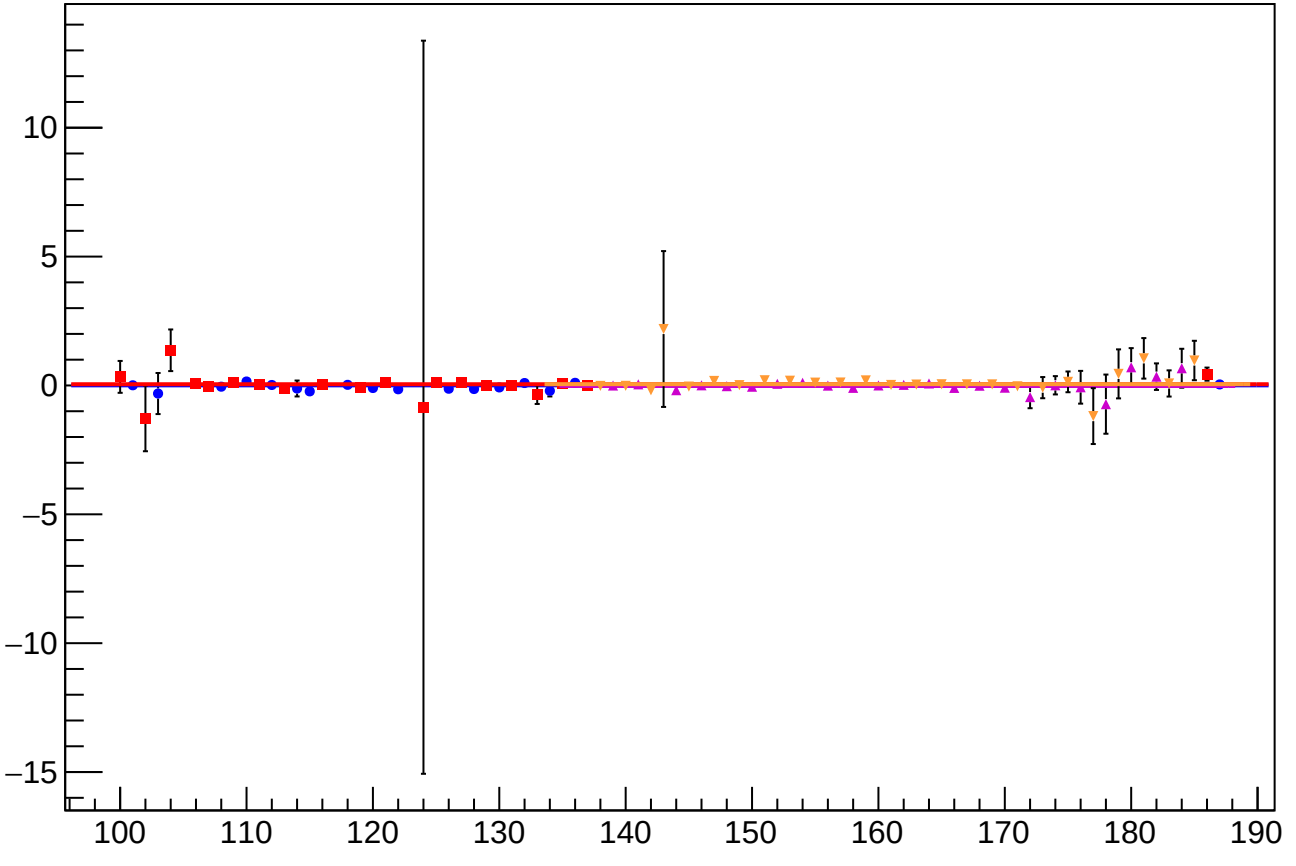
Right: 0.004+/-0.000 χ^2/NDF: 10082870.0/36

In: 0.003+/-0.000 χ^2/NDF:17616433.0/39

Out: 0.003+/-0.000 χ^2/NDF:19362648.8/44

All: 0.003+/-0.000 χ^2/NDF: 36979369.1/84

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.047+/-0.025 χ^2/NDF: 15.1/19

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

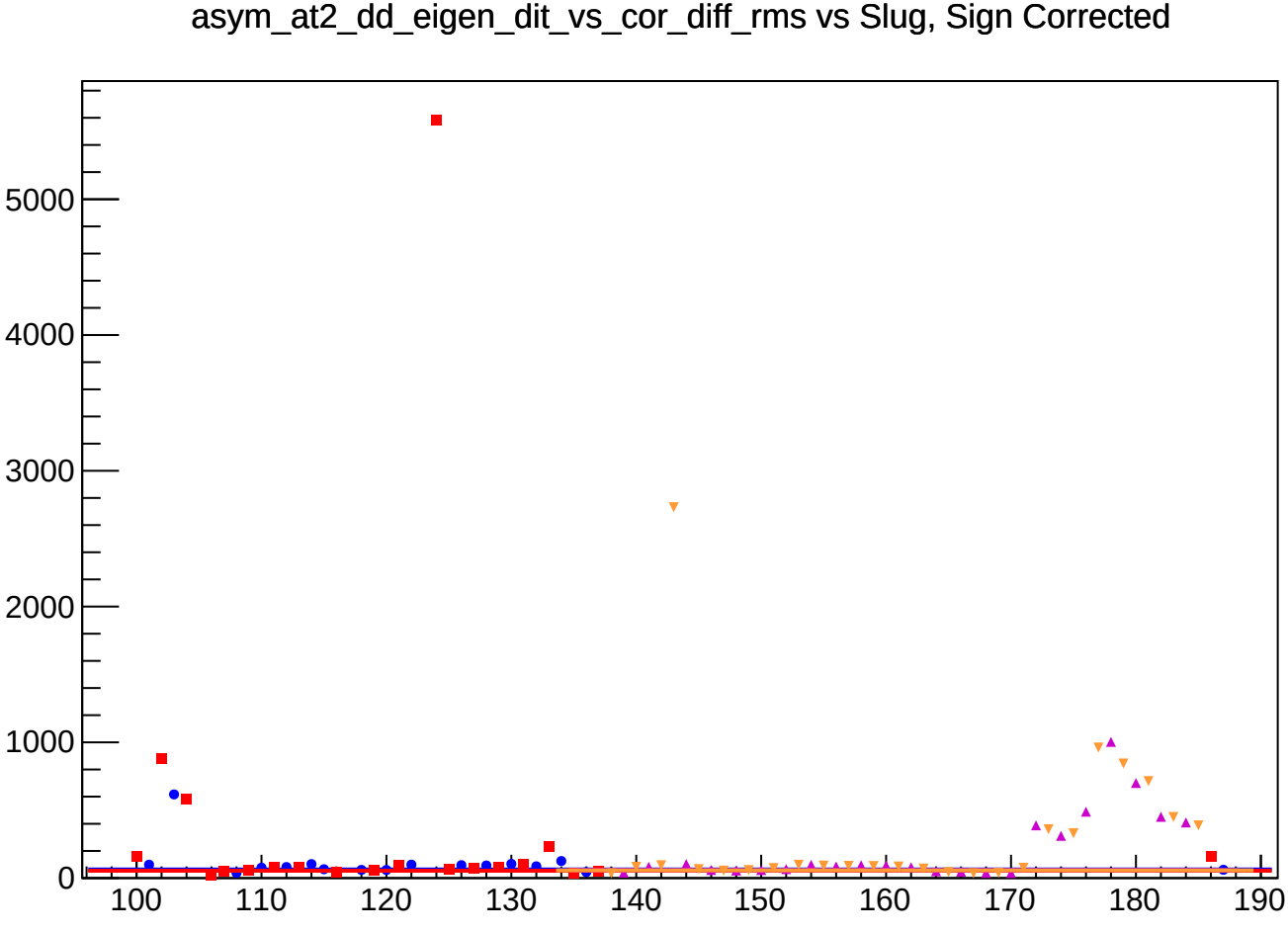
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.028+/-0.018 χ^2/NDF: 29.8/36

In: -0.012+/-0.014 χ^2/NDF:29.3/39

Out: 0.049+/-0.014 χ^2/NDF:39.6/44

All: 0.019+/-0.010 χ^2/NDF: 78.1/84



Right In: 63.386+/-0.019 χ^2/NDF: 2444843.3/16

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 54.209+/-0.017 χ^2/NDF: 4294479.8/19

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

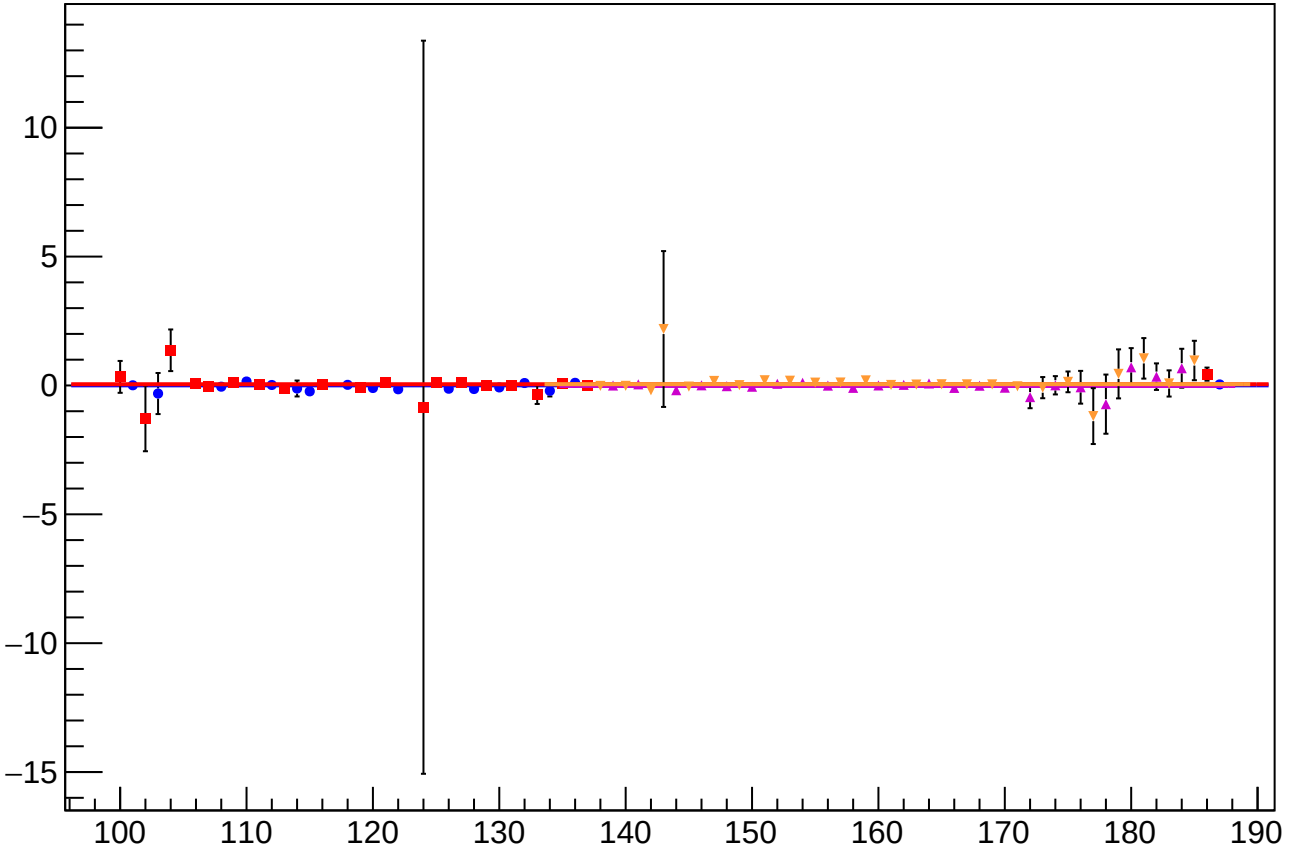
Right: 58.433+/-0.013 χ^2/NDF: 6866218.8/36

In: 59.978+/-0.010 χ^2/NDF:12737701.6/39

Out: 56.277+/-0.010 χ^2/NDF:16636882.7/44

All: 58.075+/-0.007 χ^2/NDF: 29442270.8/84

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.047+/-0.025 χ^2/NDF: 15.1/19

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

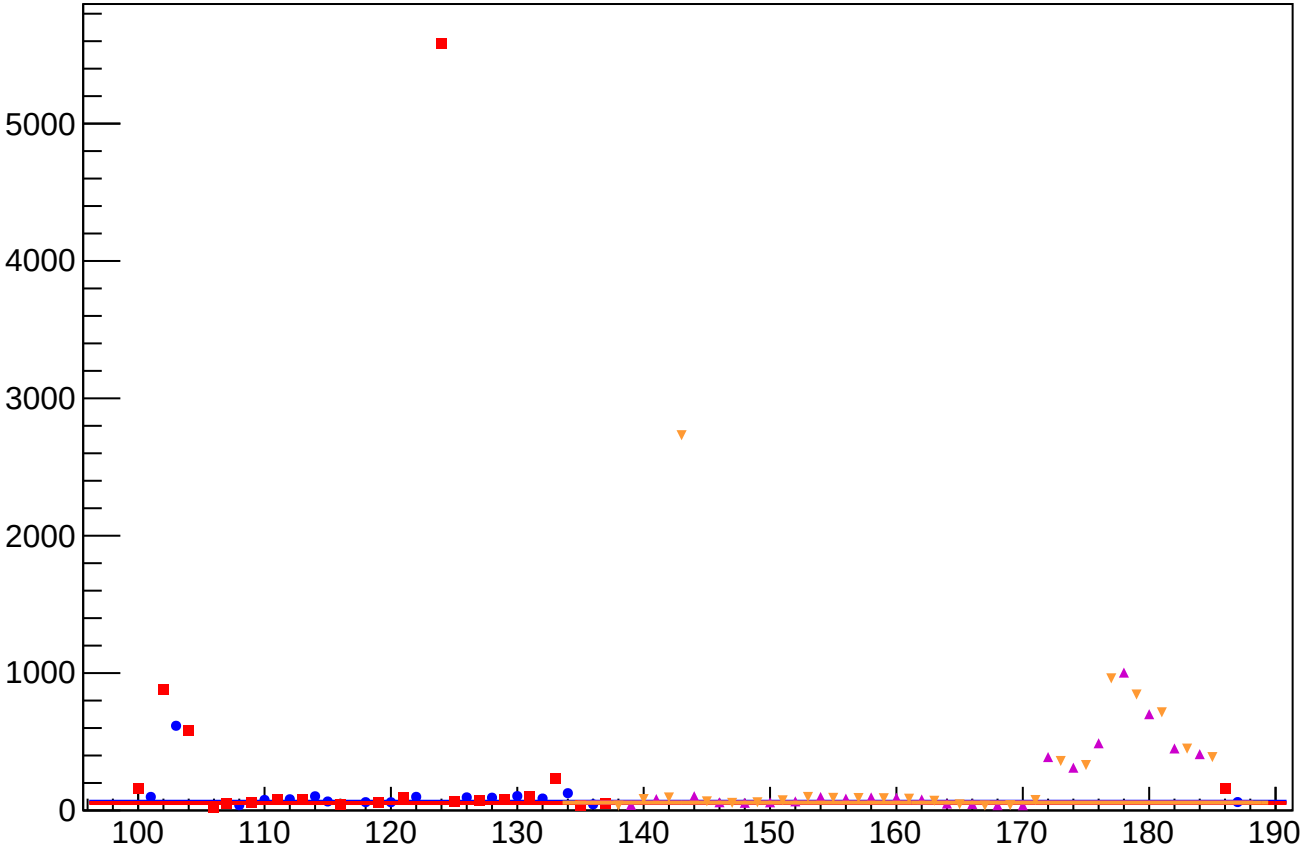
Right: 0.028+/-0.018 χ^2/NDF: 29.8/36

In: -0.012+/-0.014 χ^2/NDF:29.3/39

Out: 0.049+/-0.014 χ^2/NDF:39.6/44

All: 0.019+/-0.010 χ^2/NDF: 78.1/84

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.386+/-0.019 χ^2/NDF: 2444843.3/16

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 54.209+/-0.017 χ^2/NDF: 4294479.8/19

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

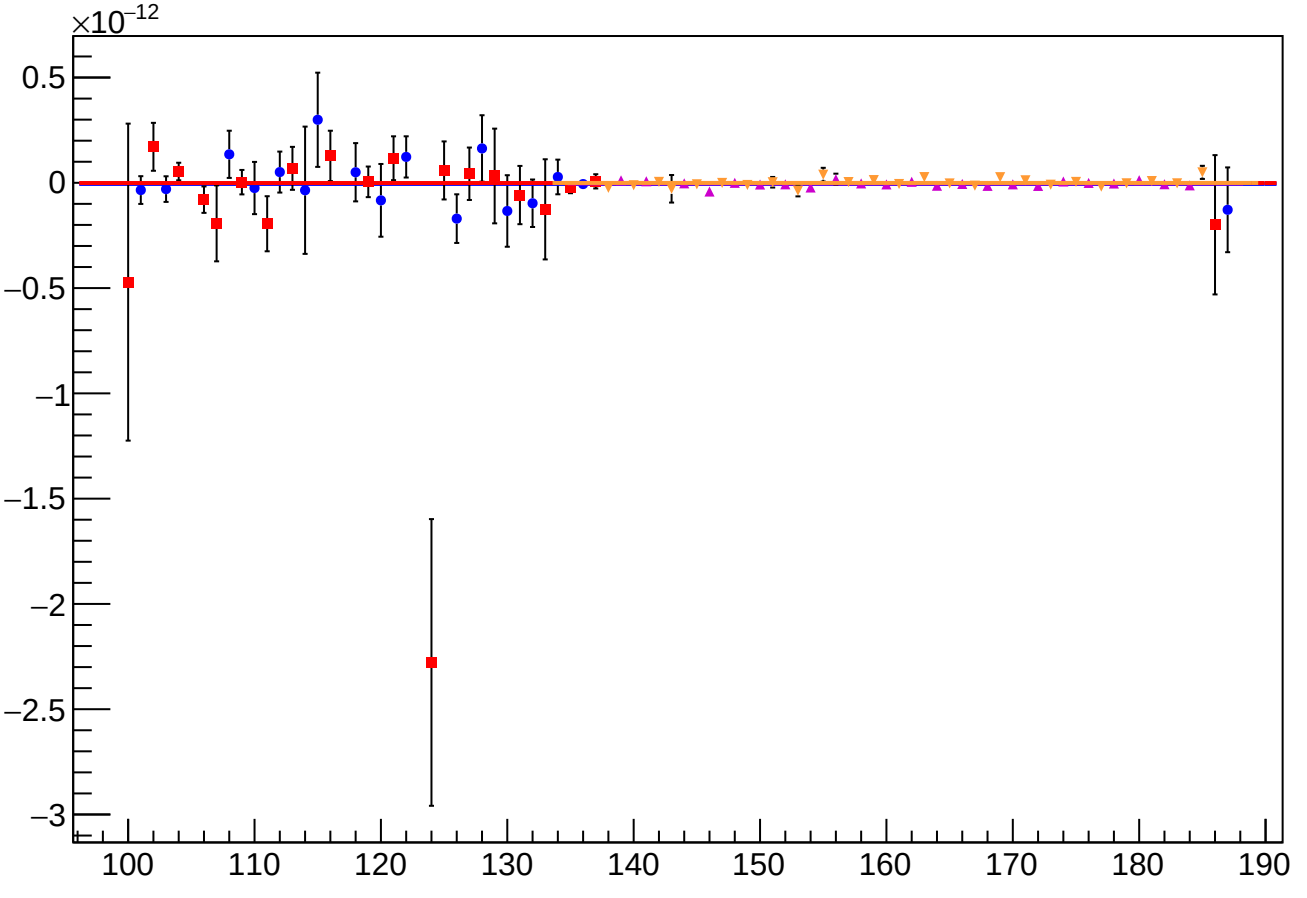
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 58.433+/-0.013 χ^2/NDF: 6866218.8/36

In: 59.978+/-0.010 χ^2/NDF:12737701.6/39

Out: 56.277+/-0.010 χ^2/NDF:16636882.7/44

All: 58.075+/-0.007 χ^2/NDF: 29442270.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/19

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

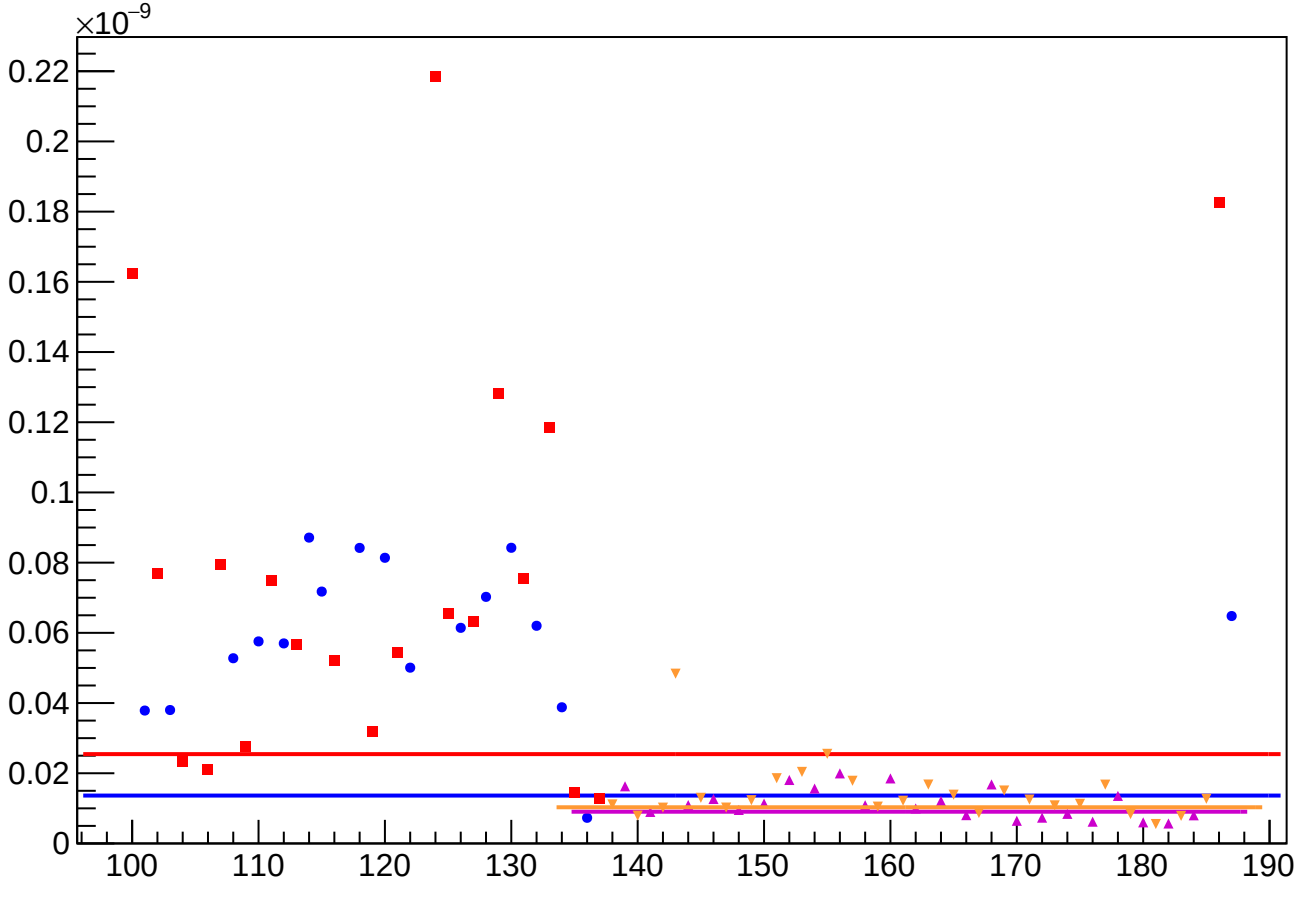
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 36.7/36

In: -0.000+/-0.000 χ^2/NDF:26.6/39

Out: -0.000+/-0.000 χ^2/NDF:44.3/44

All: -0.000+/-0.000 χ^2/NDF: 71.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 5122802.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4030308.0/19

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

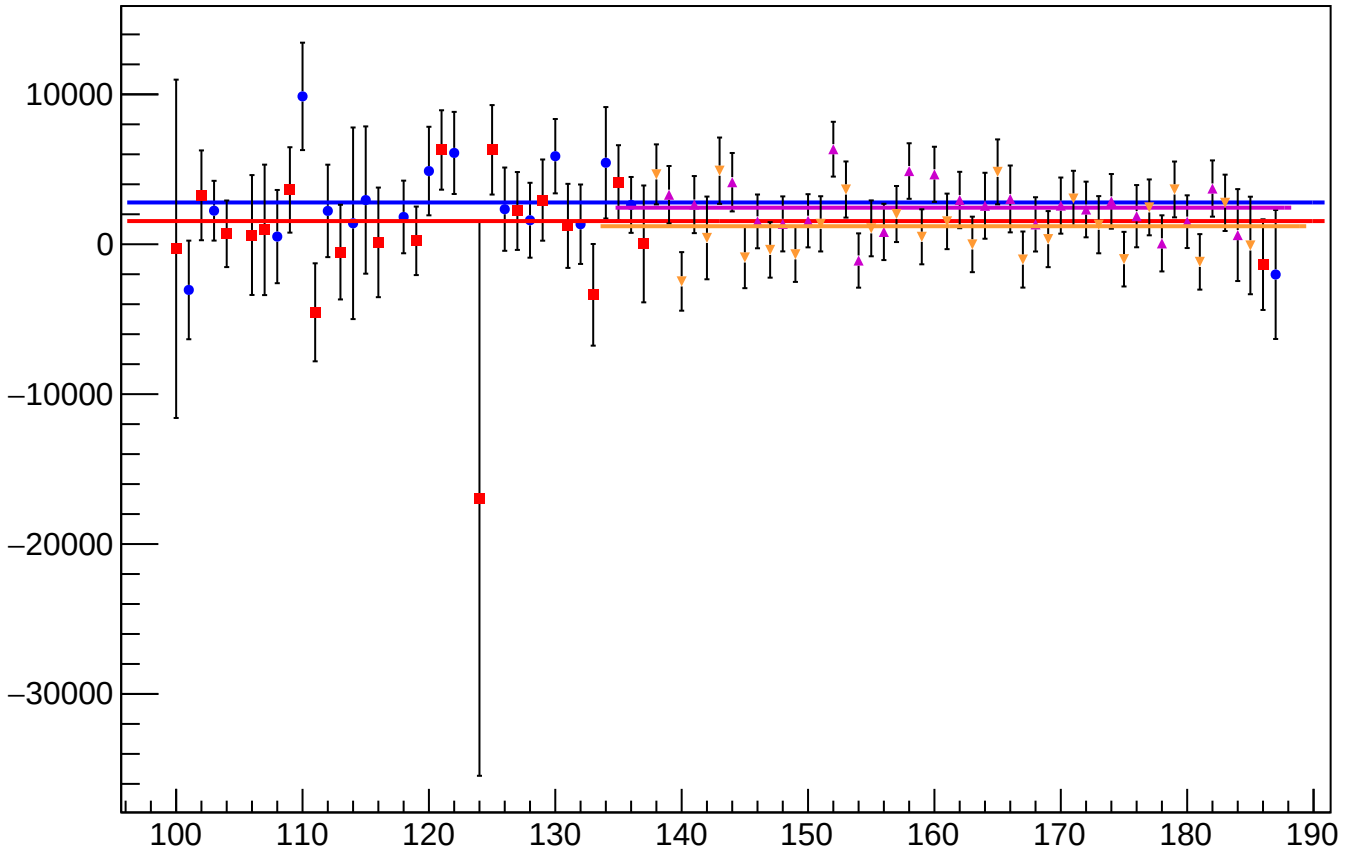
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9995216.1/36

In: 0.000+/-0.000 χ^2/NDF:8544520.4/39

Out: 0.000+/-0.000 χ^2/NDF:9623347.5/44

All: 0.000+/-0.000 χ^2/NDF: 18457628.0/84



Right In: 2787.542+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1546.101+/-688.290 χ^2/NDF: 16.8/19

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

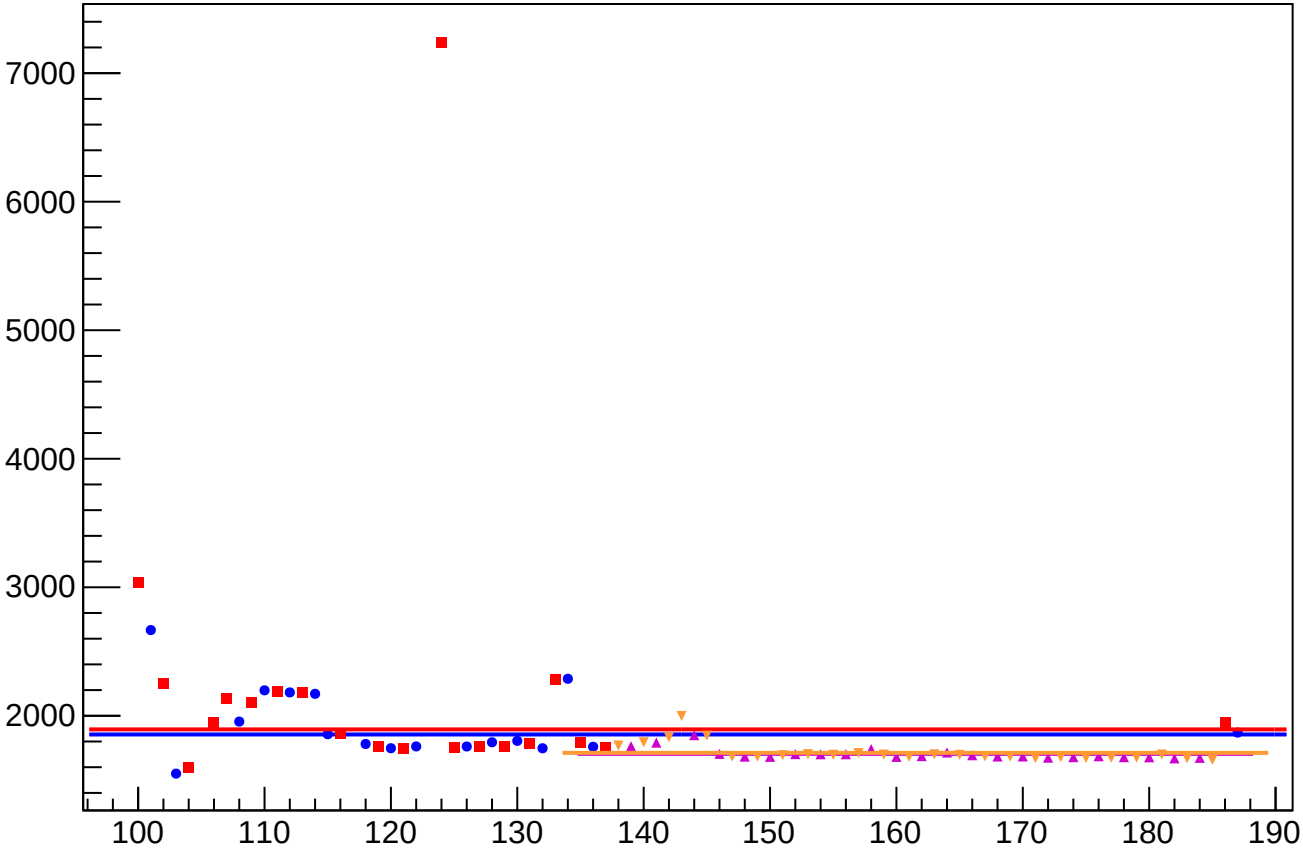
Right: 2168.743+/-485.941 χ^2/NDF: 32.2/36

In: 2526.739+/-344.257 χ^2/NDF:31.4/39

Out: 1285.651+/-338.746 χ^2/NDF:43.3/44

All: 1896.183+/-241.454 χ^2/NDF: 81.3/84

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.9/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1894.239+/-0.486 χ^2/NDF: 364648.7/19

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

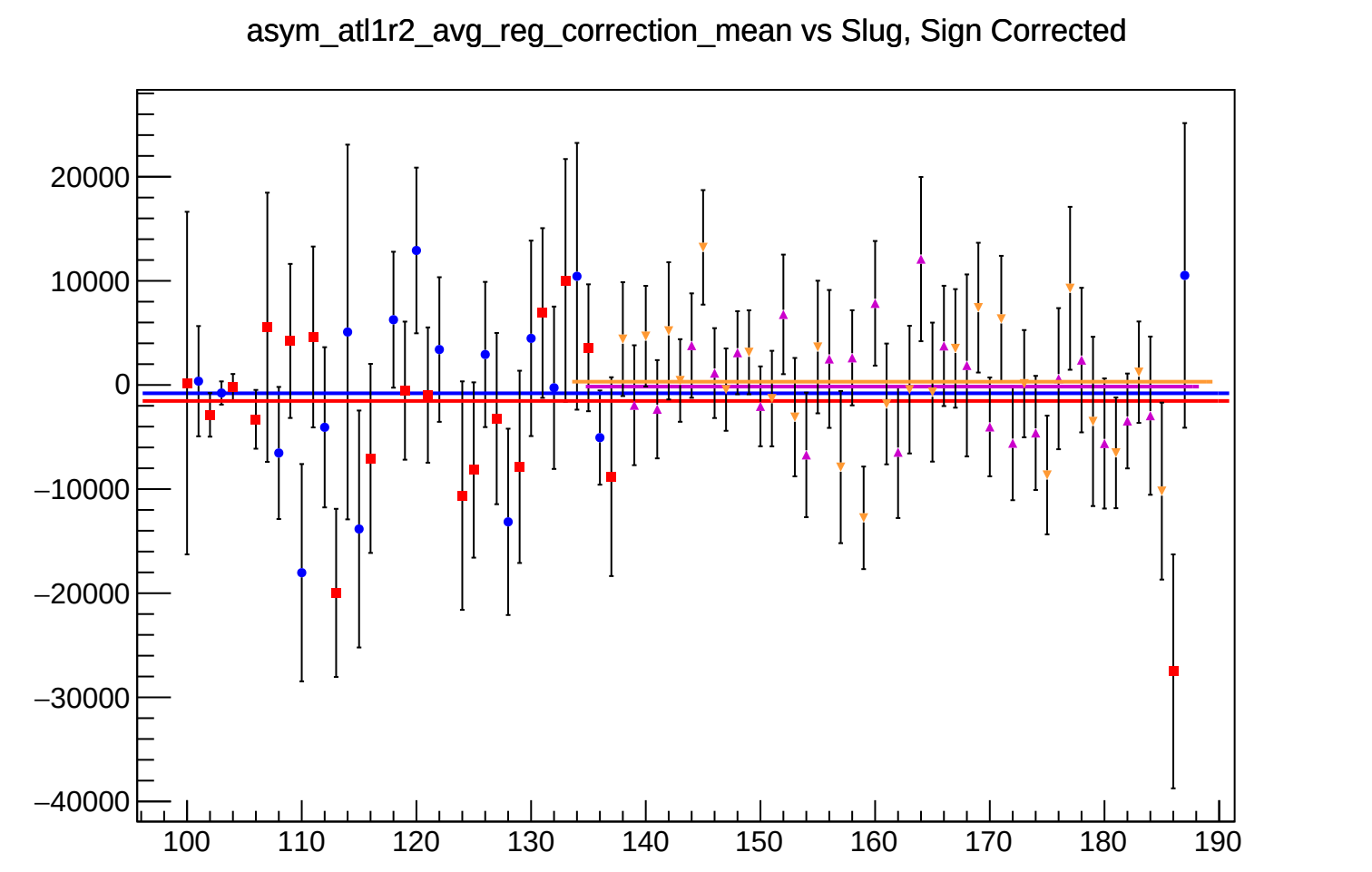
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1874.451+/-0.343 χ^2/NDF: 631313.1/36

In: 1741.910+/-0.243 χ^2/NDF:358132.9/39

Out: 1756.120+/-0.239 χ^2/NDF:531579.7/44

All: 1749.133+/-0.171 χ^2/NDF: 891444.7/84



Right In: -798.922+/-960.840 χ^2/NDF: 14.5/16

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1534.138+/-912.896 χ^2/NDF: 19.4/19

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

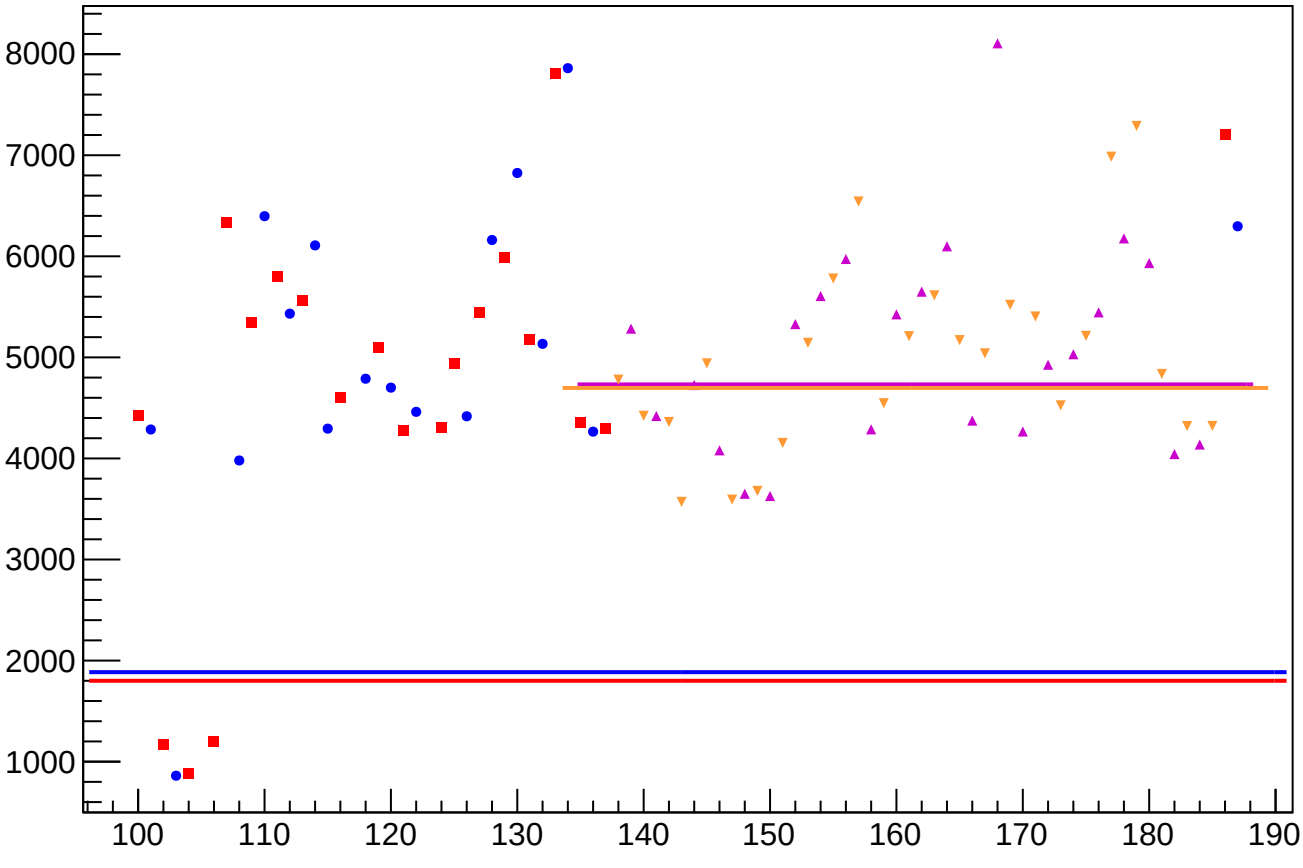
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1185.330+/-661.815 χ^2/NDF: 34.2/36

In: -529.534+/-731.570 χ^2/NDF:29.4/39

Out: -773.822+/-700.385 χ^2/NDF:48.1/44

All: -656.995+/-505.912 χ^2/NDF: 77.5/84



Right In: 1885.521+/-0.679 χ^2/NDF: 7032329.3/16

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1800.217+/-0.646 χ^2/NDF: 6901081.1/19

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

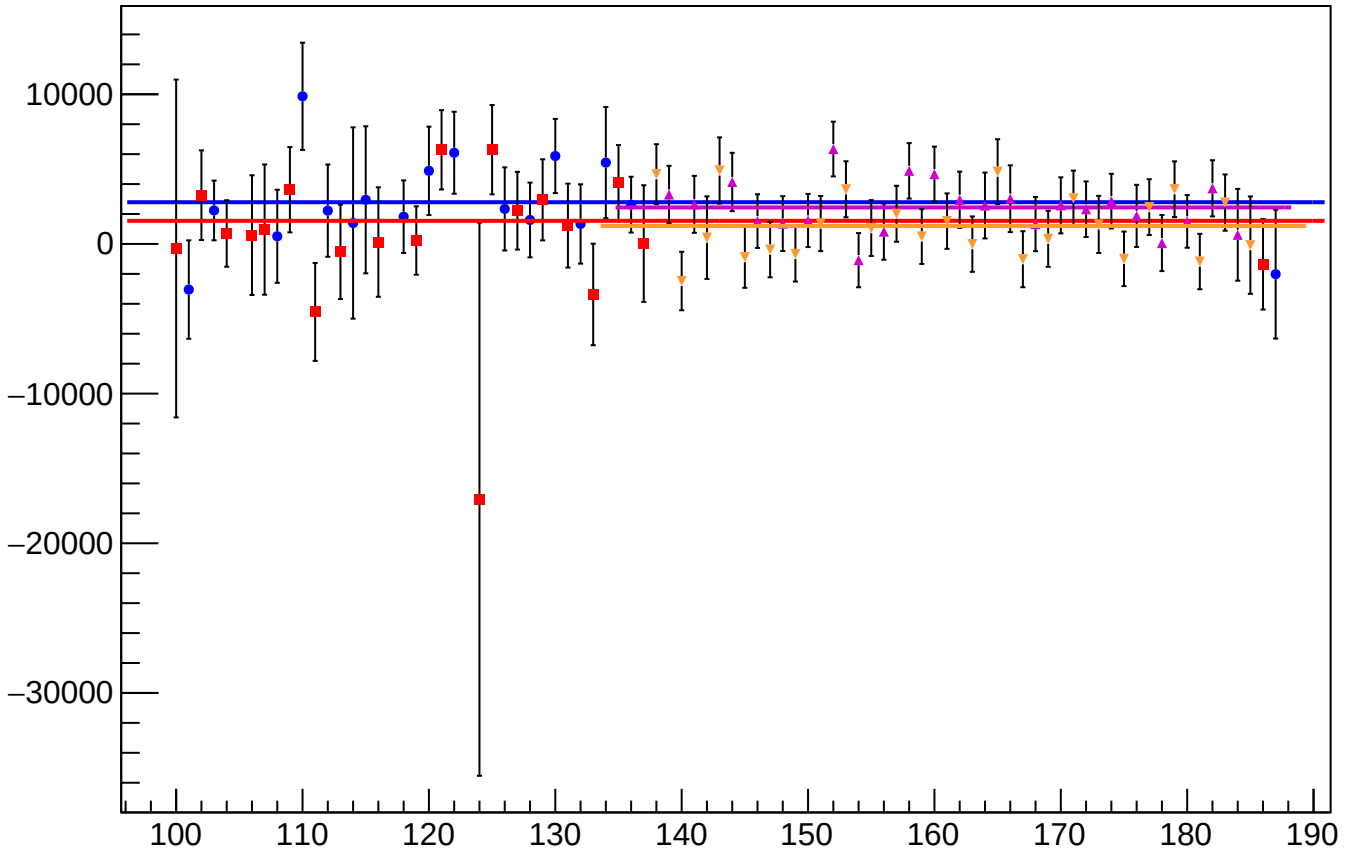
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 1840.688+/-0.468 χ^2/NDF: 13941695.5/36

In: 3082.053+/-0.517 χ^2/NDF:15654585.4/39

Out: 2992.165+/-0.495 χ^2/NDF:16428534.4/44

All: 3035.152+/-0.358 χ^2/NDF: 32098874.2/8



Right In: 2787.650+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1544.789+/-688.291 χ^2/NDF: 16.8/19

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

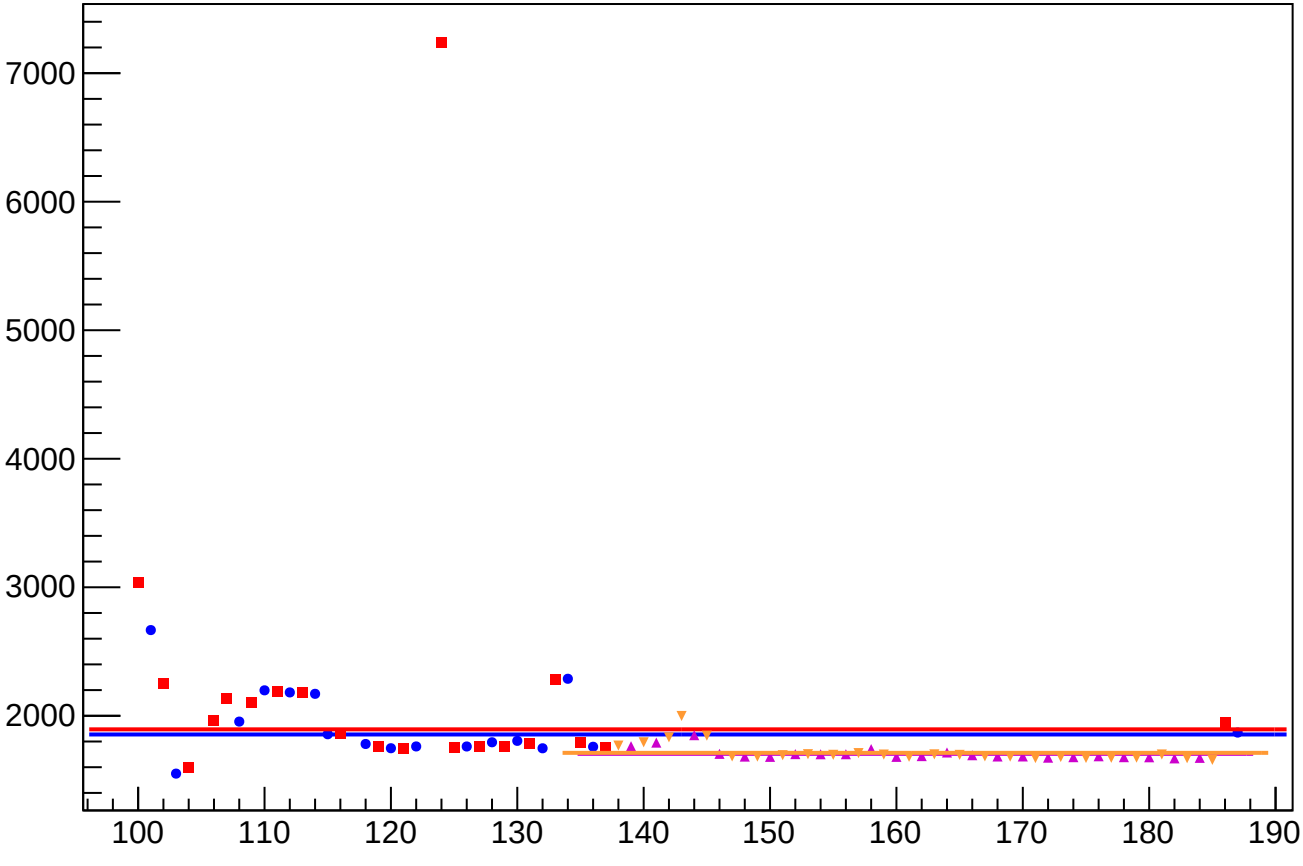
Right: 2168.144+/-485.941 χ^2/NDF: 32.2/36

In: 2526.715+/-344.257 χ^2/NDF:31.4/39

Out: 1285.259+/-338.746 χ^2/NDF:43.3/44

All: 1895.972+/-241.454 χ^2/NDF: 81.3/84

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.7/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1894.674+/-0.486 χ^2/NDF: 364880.1/19

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

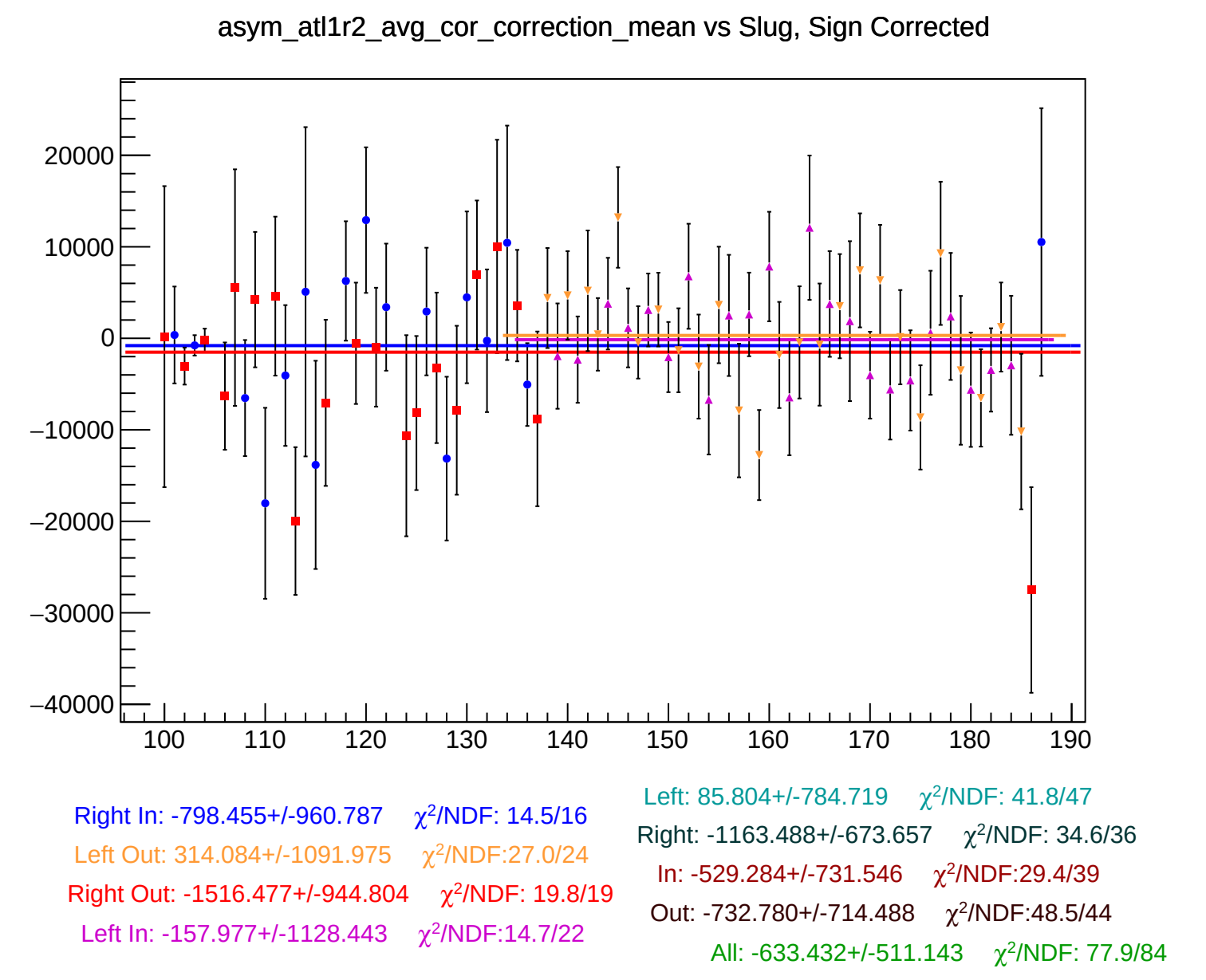
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1874.665+/-0.343 χ^2/NDF: 631617.2/36

In: 1741.910+/-0.243 χ^2/NDF:358132.8/39

Out: 1756.211+/-0.239 χ^2/NDF:532287.3/44

All: 1749.180+/-0.171 χ^2/NDF: 892174.5/84


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
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100
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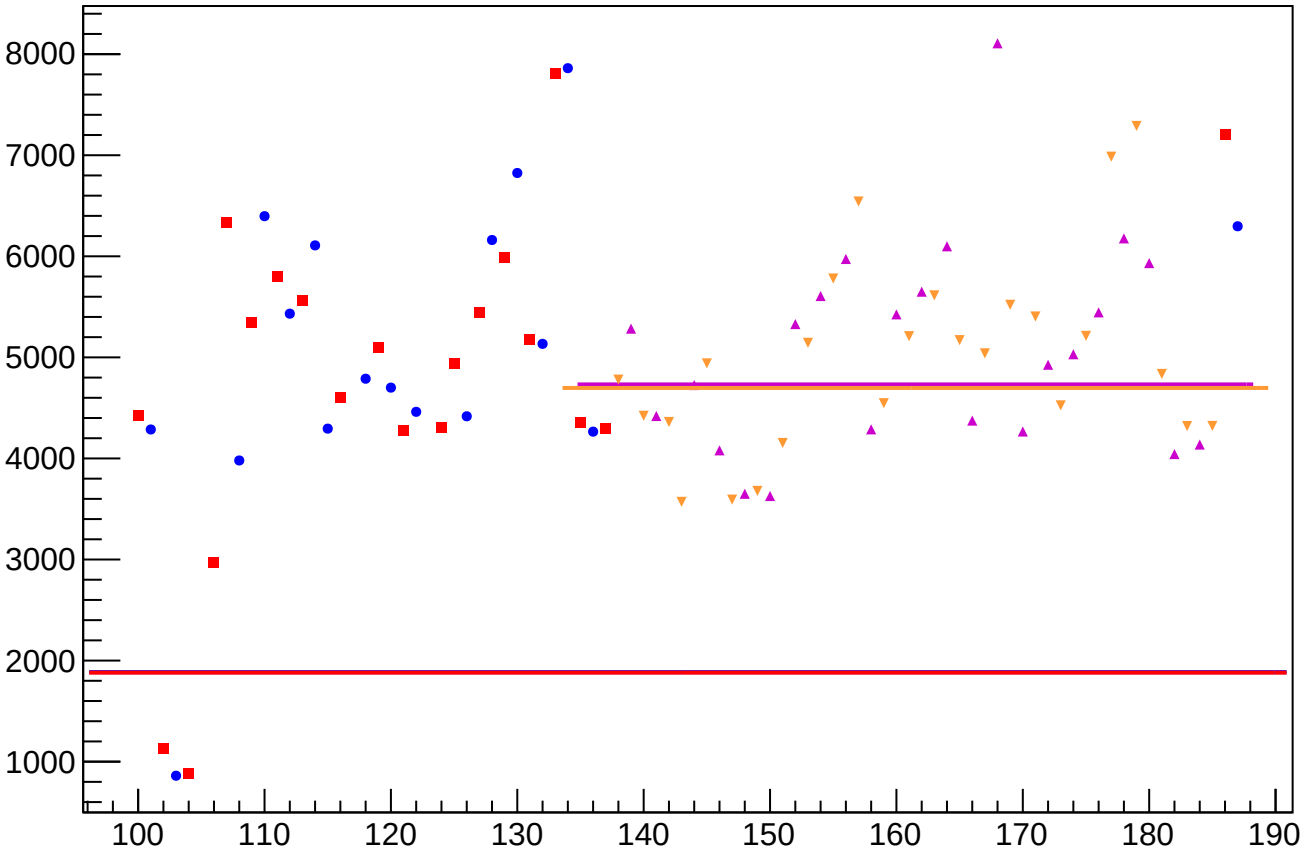
120
130
140
150
160
170
180
190
Right In: -798.455+/-960.787 χ²/NDF: 14.5/16
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1516.477+/-944.804 χ²/NDF: 19.8/19
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1163.488+/-673.657 χ²/NDF: 34.6/36
In: -529.284+/-731.546 χ²/NDF:29.4/39
Out: -732.780+/-714.488 χ²/NDF:48.5/44
All: -633.432+/-511.143 χ²/NDF: 77.9/84



Right In: 1885.366+/-0.679 χ^2/NDF: 7032766.0/16

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1880.818+/-0.668 χ^2/NDF: 6911145.8/19

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

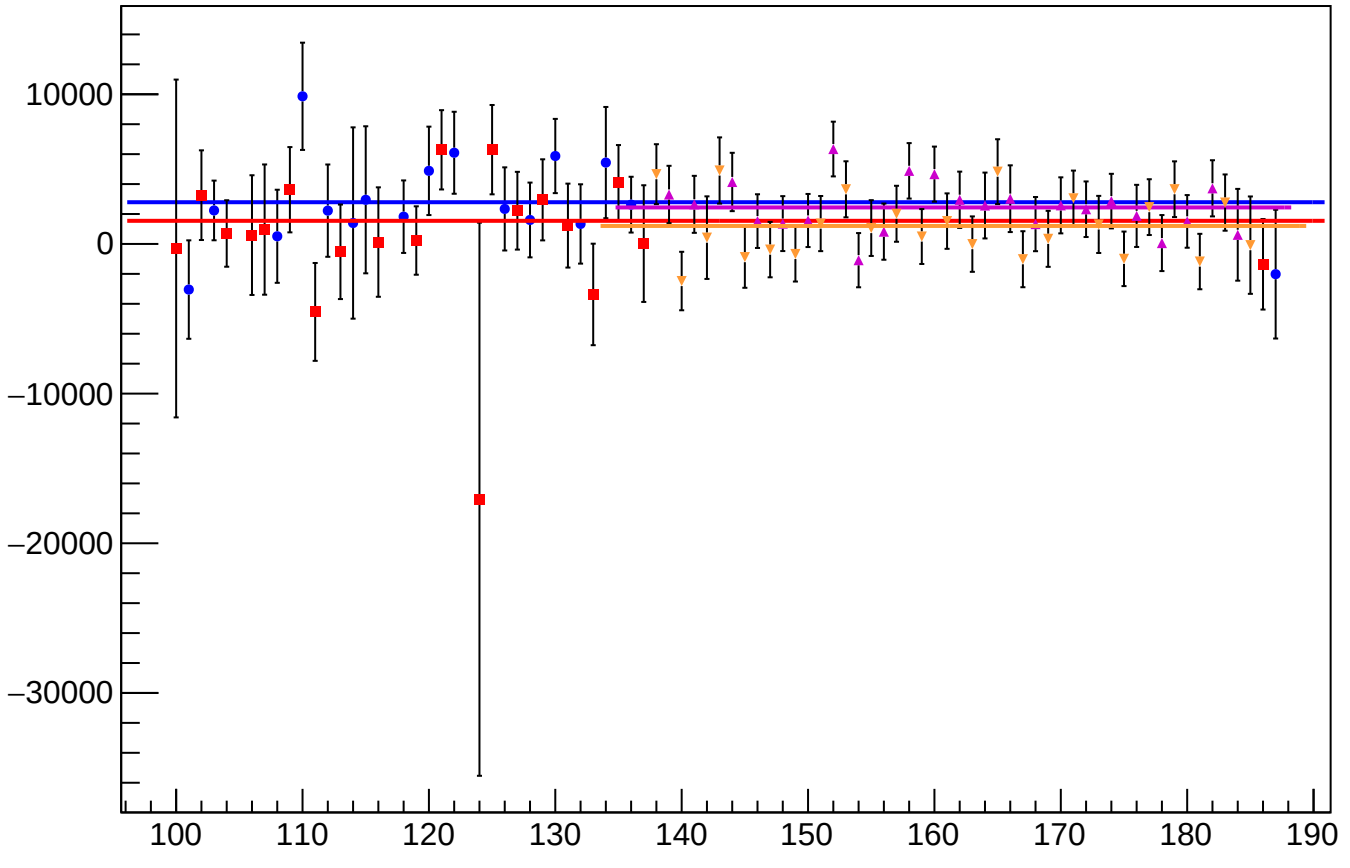
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1883.054+/-0.476 χ^2/NDF: 13943934.6/36

In: 3081.886+/-0.517 χ^2/NDF:15656170.0/39

Out: 3086.742+/-0.505 χ^2/NDF:15761198.7/44

All: 3084.371+/-0.361 χ^2/NDF: 31417413.9/8



Right In: 2787.650+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1544.789+/-688.291 χ^2/NDF: 16.8/19

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

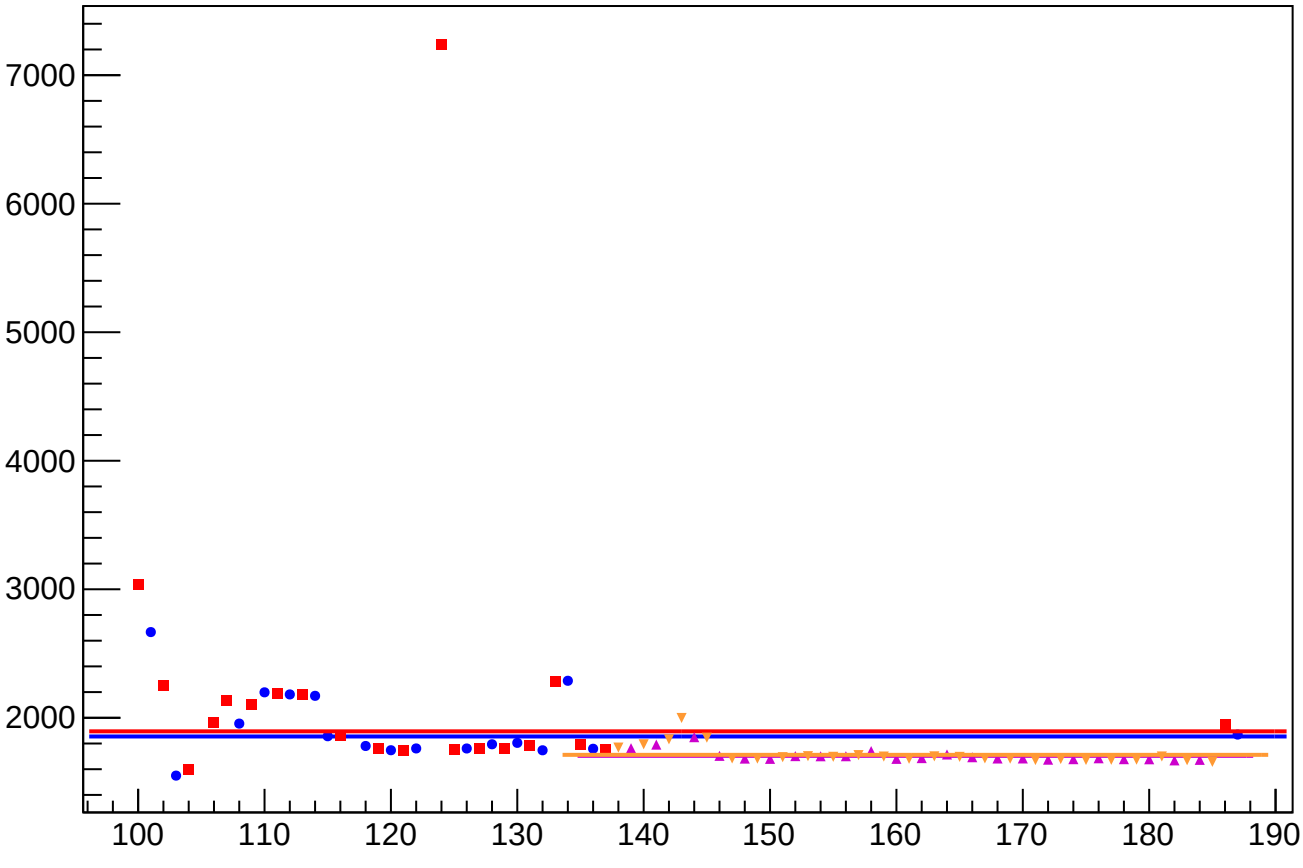
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2168.144+/-485.941 χ^2/NDF: 32.2/36

In: 2526.715+/-344.257 χ^2/NDF:31.4/39

Out: 1285.259+/-338.746 χ^2/NDF:43.3/44

All: 1895.972+/-241.454 χ^2/NDF: 81.3/84



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.7/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1894.674+/-0.486 χ^2/NDF: 364880.1/19

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

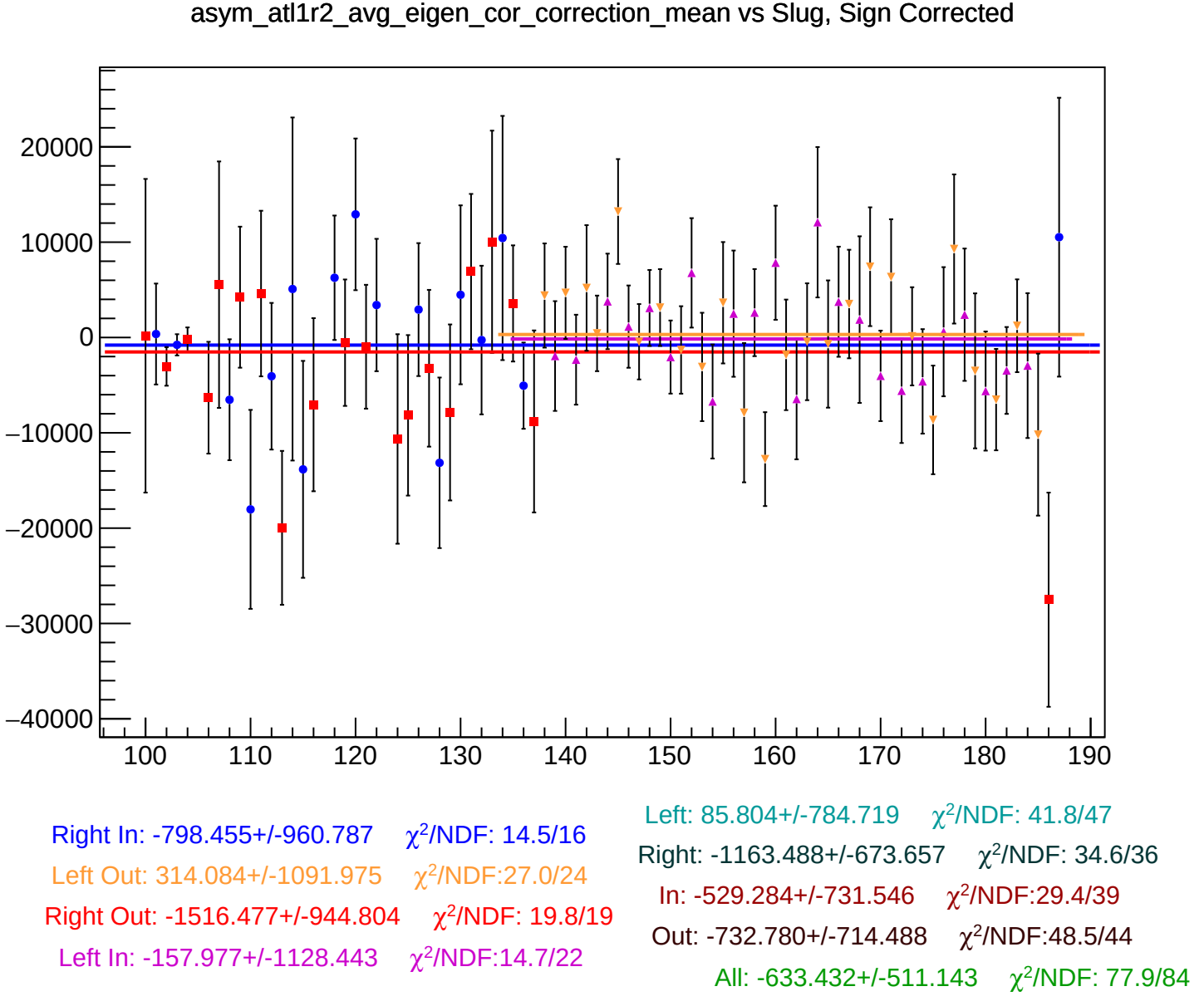
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1874.665+/-0.343 χ^2/NDF: 631617.2/36

In: 1741.910+/-0.243 χ^2/NDF:358132.8/39

Out: 1756.211+/-0.239 χ^2/NDF:532287.3/44

All: 1749.180+/-0.171 χ^2/NDF: 892174.5/84


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
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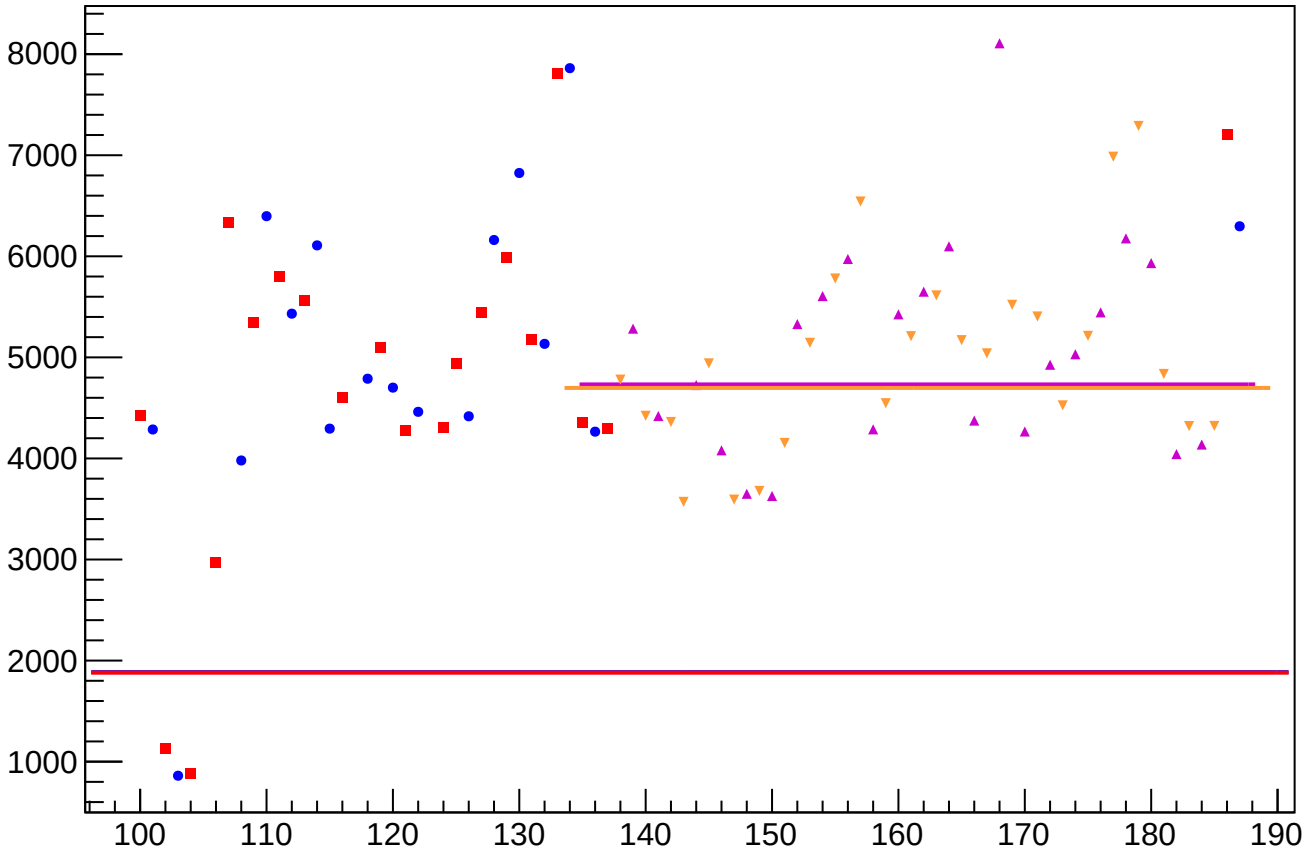
Right In: -798.455+/-960.787 χ²/NDF: 14.5/16
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1516.477+/-944.804 χ²/NDF: 19.8/19
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1163.488+/-673.657 χ²/NDF: 34.6/36
In: -529.284+/-731.546 χ²/NDF:29.4/39
Out: -732.780+/-714.488 χ²/NDF:48.5/44
All: -633.432+/-511.143 χ²/NDF: 77.9/84



Right In: 1885.366+/-0.679 χ^2/NDF: 7032766.0/16

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1880.818+/-0.668 χ^2/NDF: 6911145.8/19

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

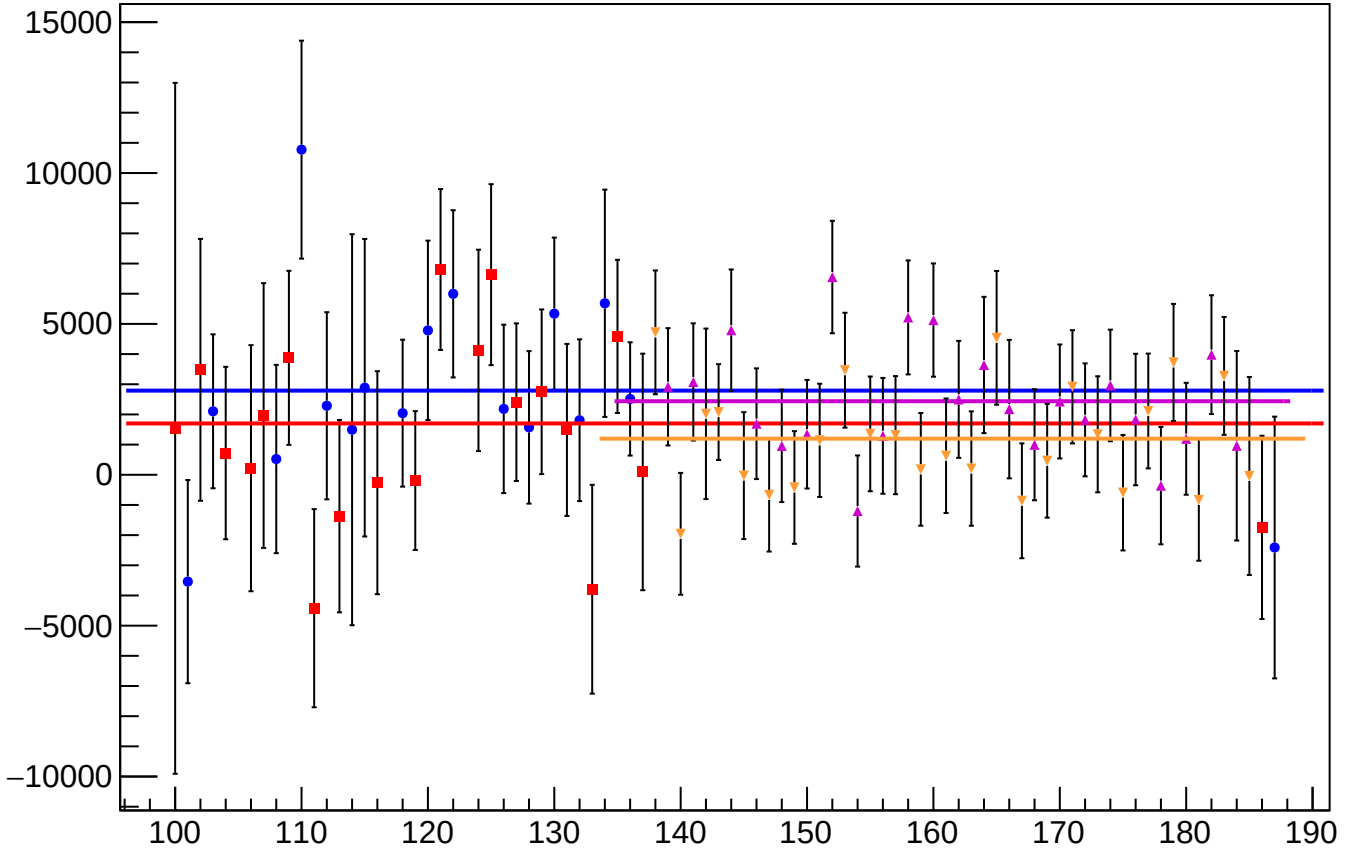
Right: 1883.054+/-0.476 χ^2/NDF: 13943934.6/36

In: 3081.886+/-0.517 χ^2/NDF:15656170.0/39

Out: 3086.742+/-0.505 χ^2/NDF:15761198.7/44

All: 3084.371+/-0.361 χ^2/NDF: 31417413.9/8

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2789.080+/-708.654 χ^2/NDF: 14.5/16

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1700.712+/-702.361 χ^2/NDF: 18.7/19

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

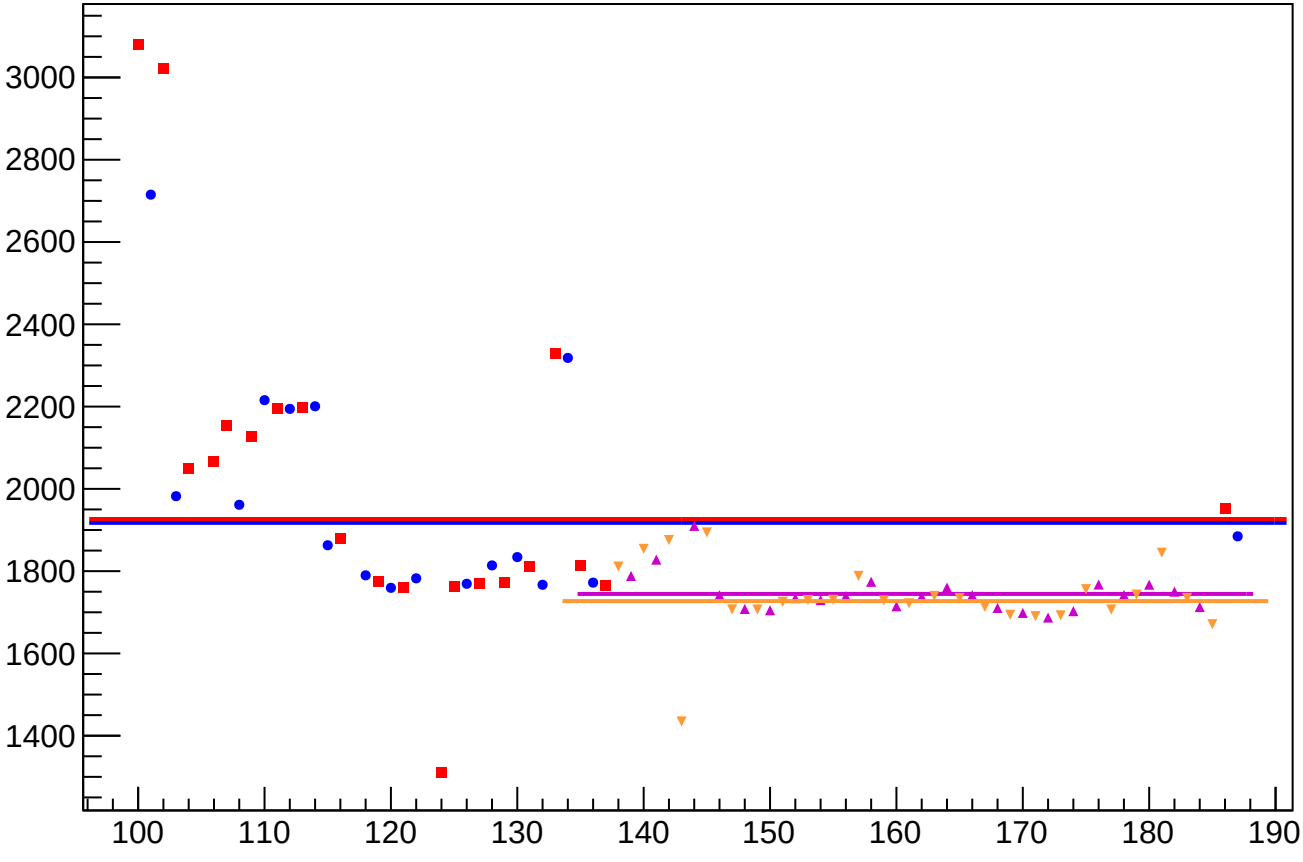
Right: 2240.043+/-498.854 χ^2/NDF: 34.4/36

In: 2525.305+/-353.293 χ^2/NDF:35.2/39

Out: 1317.370+/-342.950 χ^2/NDF:38.6/44

All: 1903.397+/-246.077 χ^2/NDF: 79.9/84

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1917.467+/-0.501 χ^2/NDF: 215710.4/16

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1926.724+/-0.496 χ^2/NDF: 339249.6/19

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

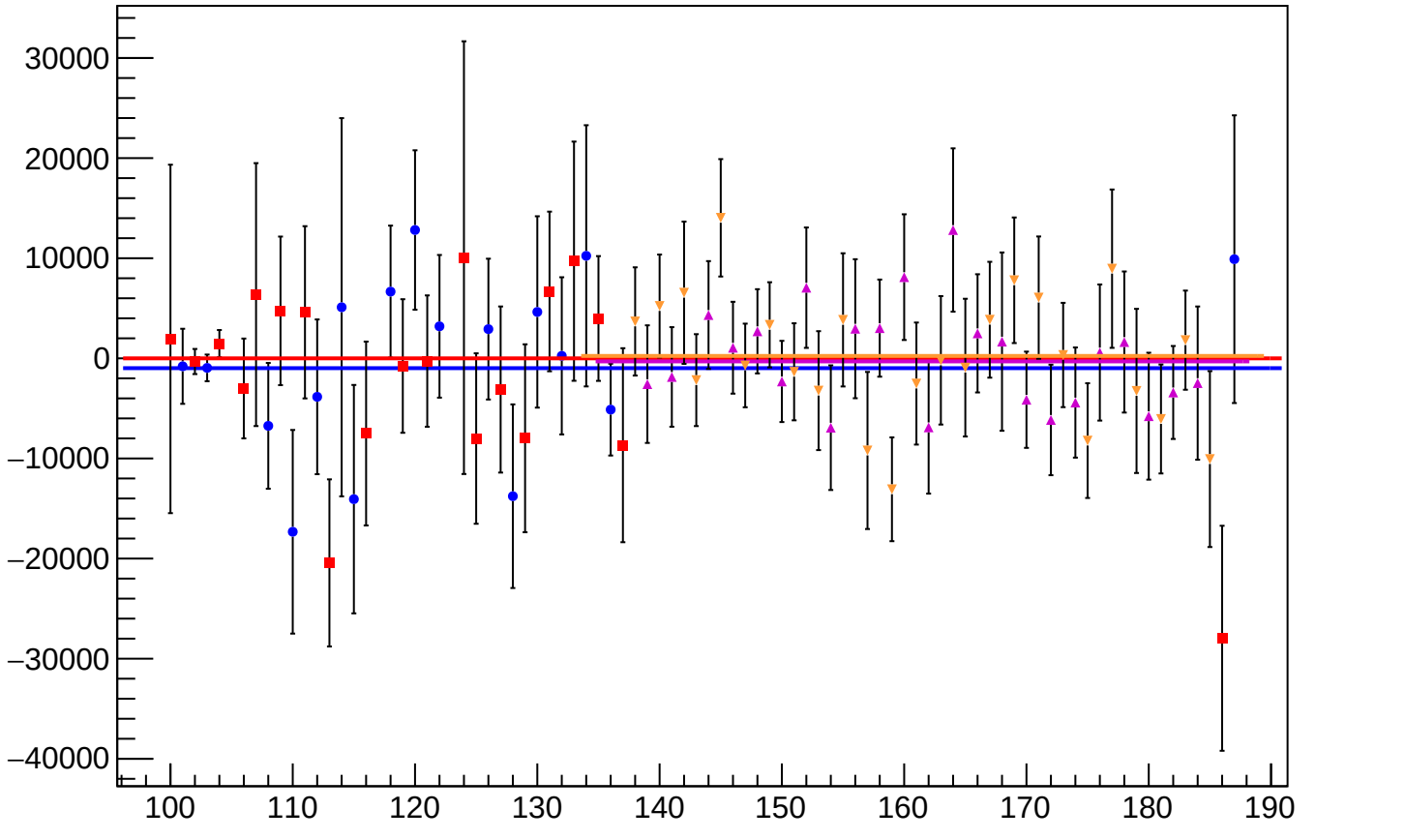
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1922.140+/-0.353 χ^2/NDF: 555132.3/36

In: 1787.589+/-0.250 χ^2/NDF:331906.1/39

Out: 1774.853+/-0.242 χ^2/NDF:572541.1/44

All: 1781.031+/-0.174 χ^2/NDF: 905785.7/84



Right In: -981.276+/-1069.432 χ^2/NDF: 14.4/16

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -0.986+/-833.355 χ^2/NDF: 20.0/19

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

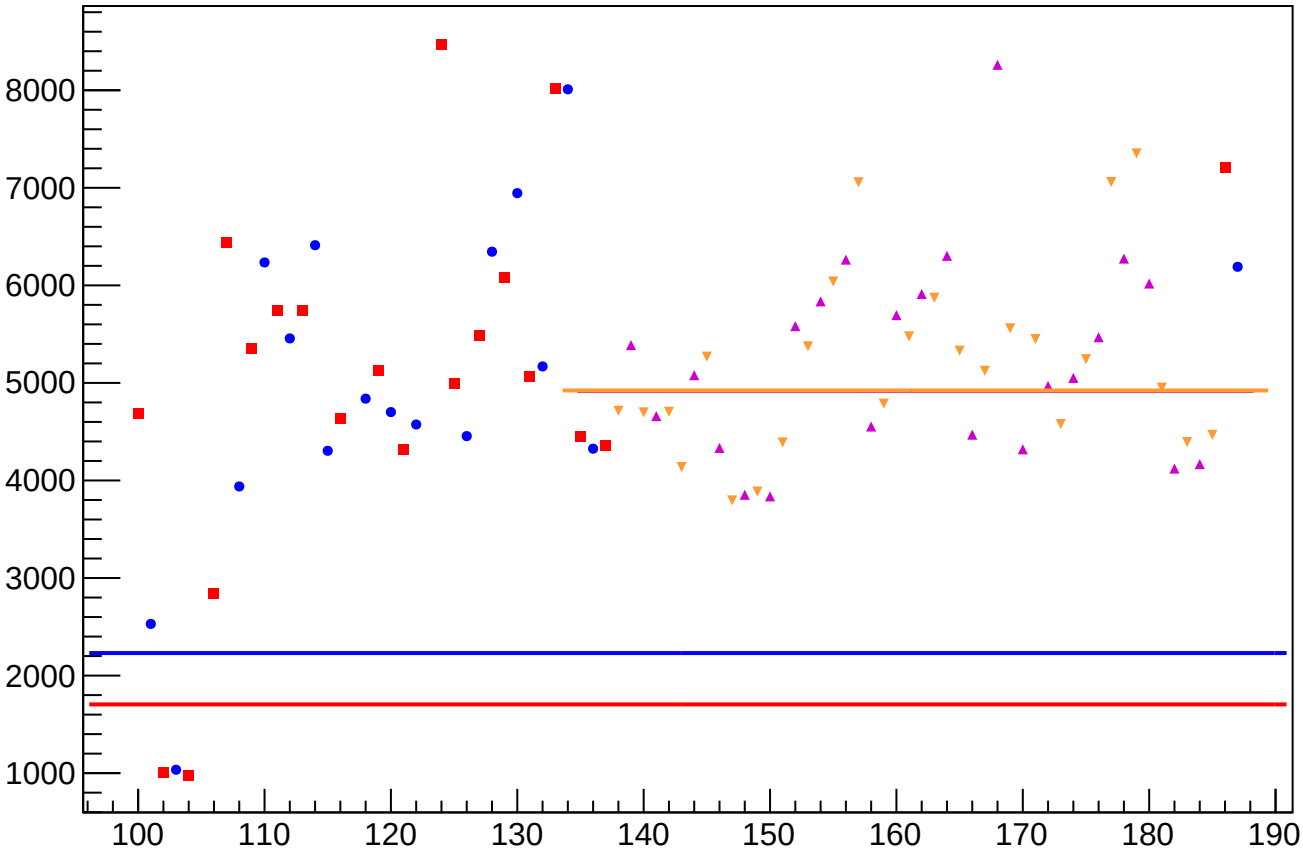
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -371.351+/-657.341 χ^2/NDF: 34.9/36

In: -674.242+/-789.679 χ^2/NDF:29.1/39

Out: 83.244+/-672.962 χ^2/NDF:46.7/44

All: -235.435+/-512.201 χ^2/NDF: 76.3/84



Right In: 2230.966+/-0.756 χ^2/NDF: 5651711.2/16

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1704.579+/-0.589 χ^2/NDF: 7335080.2/19

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

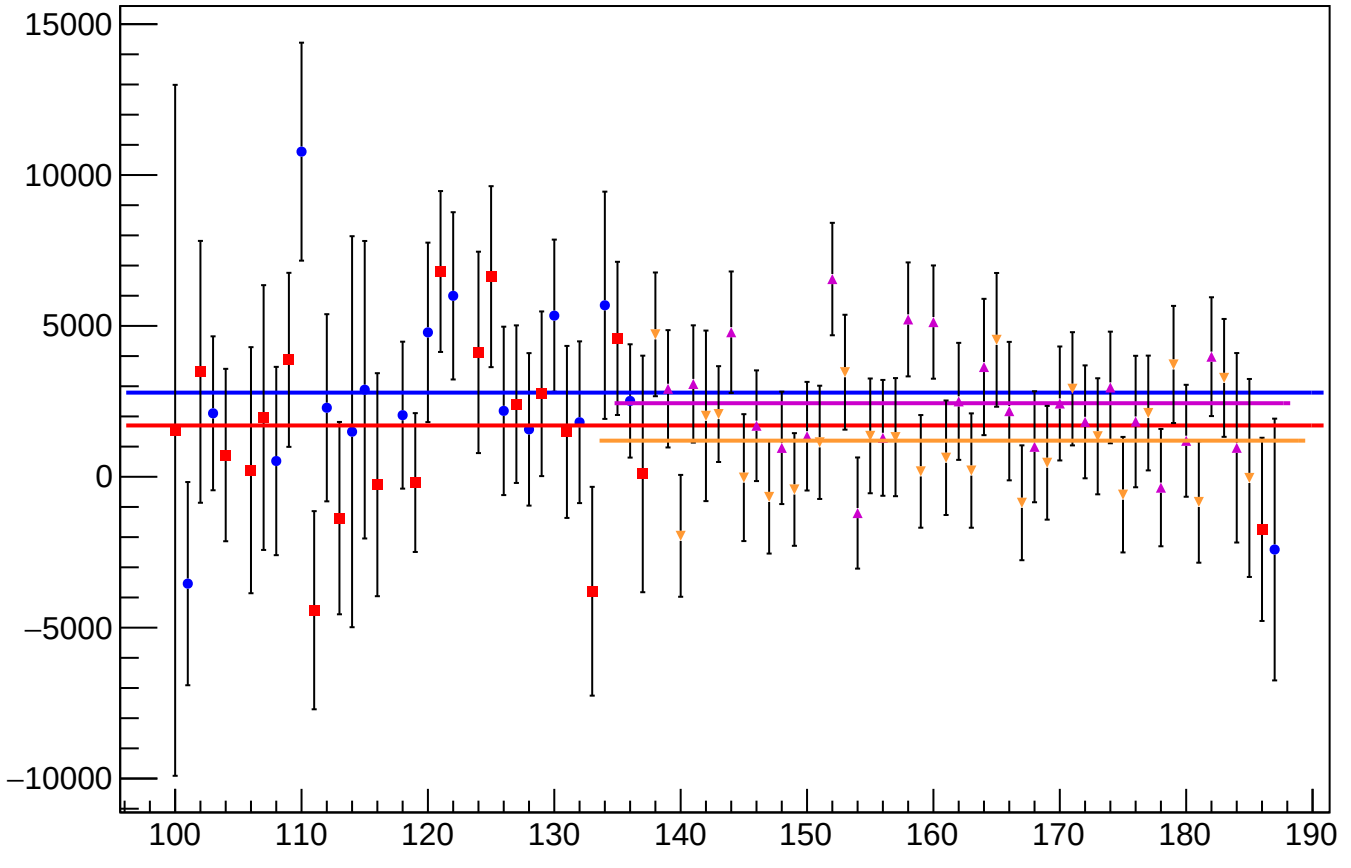
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 1903.454+/-0.465 χ^2/NDF: 13288268.9/36

In: 3452.426+/-0.558 χ^2/NDF:12550669.7/39

Out: 2824.016+/-0.476 χ^2/NDF:18759070.8/44

All: 3088.392+/-0.362 χ^2/NDF: 32043433.0/8



Right In: 2789.083+/-708.653 χ^2/NDF: 14.5/16

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1700.723+/-702.361 χ^2/NDF: 18.7/19

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

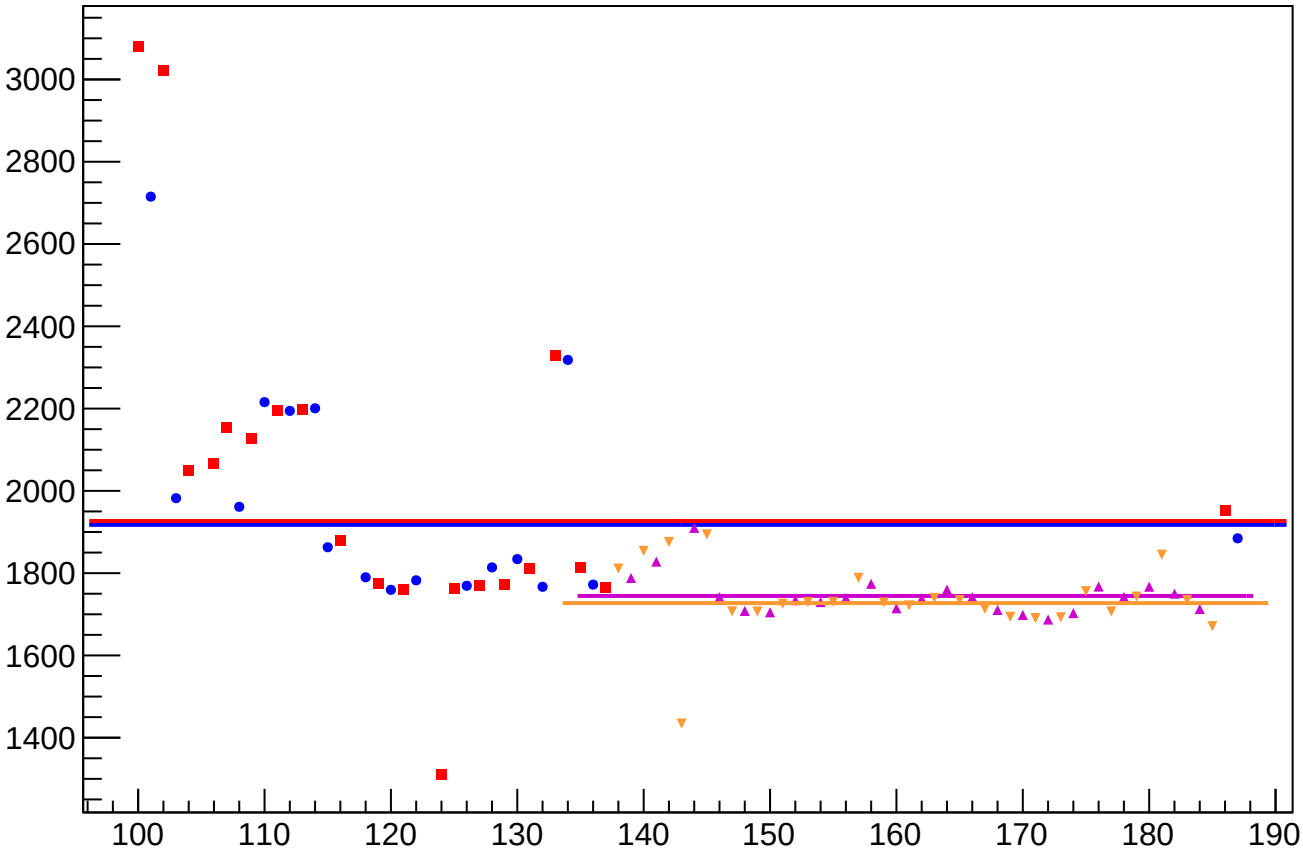
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2240.049+/-498.854 χ^2/NDF: 34.4/36

In: 2525.306+/-353.293 χ^2/NDF:35.2/39

Out: 1317.368+/-342.950 χ^2/NDF:38.6/44

All: 1903.396+/-246.077 χ^2/NDF: 79.9/84



Right In: 1917.466+/-0.501 χ^2/NDF: 215710.4/16

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1926.724+/-0.496 χ^2/NDF: 339248.6/19

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

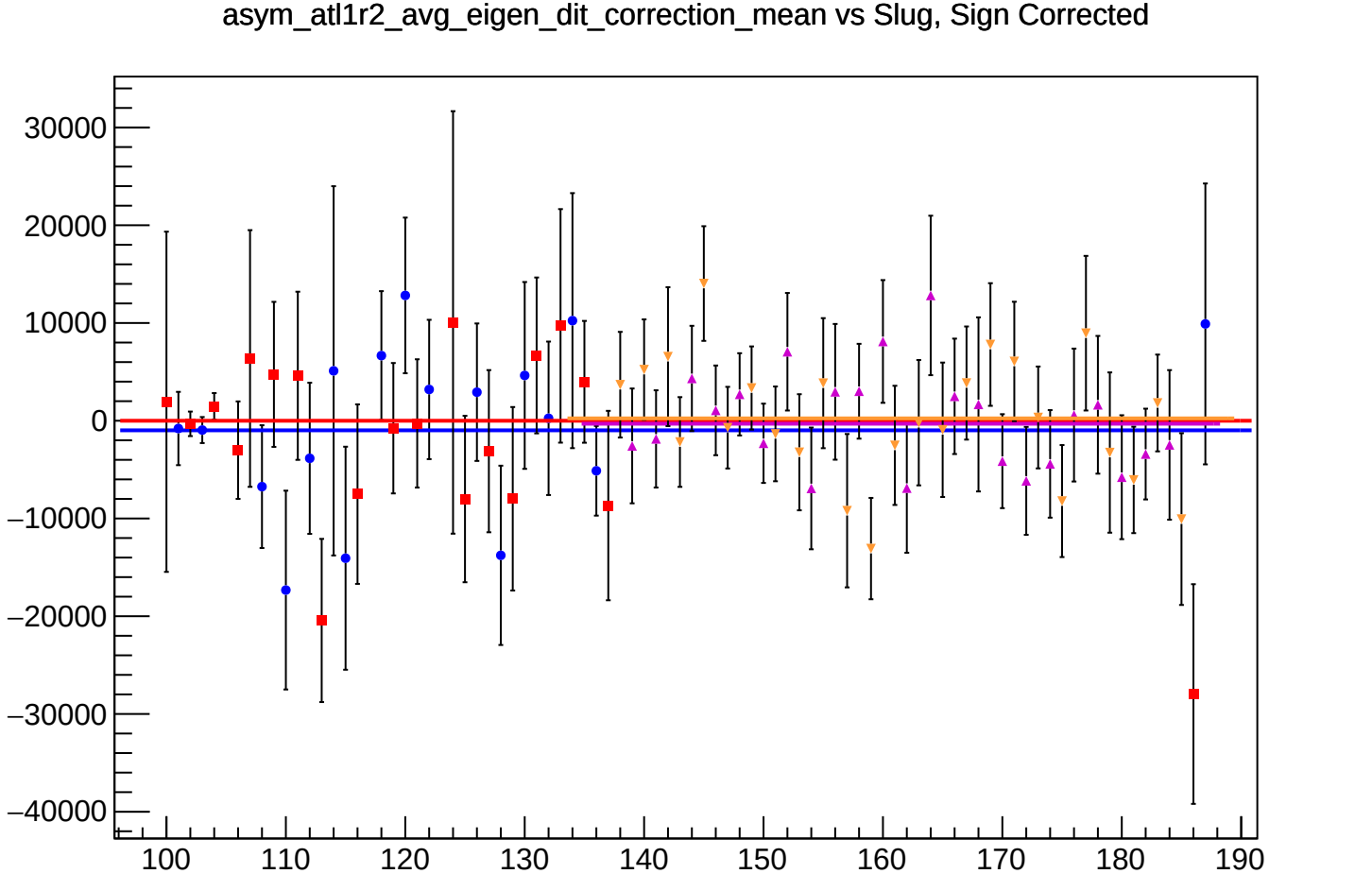
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

Right: 1922.140+/-0.353 χ^2/NDF: 555131.4/36

In: 1787.590+/-0.250 χ^2/NDF:331904.8/39

Out: 1774.854+/-0.242 χ^2/NDF:572537.5/44

All: 1781.031+/-0.174 χ^2/NDF: 905780.7/84



Right In: -981.274+/-1069.431 χ^2/NDF: 14.4/16

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -0.991+/-833.354 χ^2/NDF: 20.0/19

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

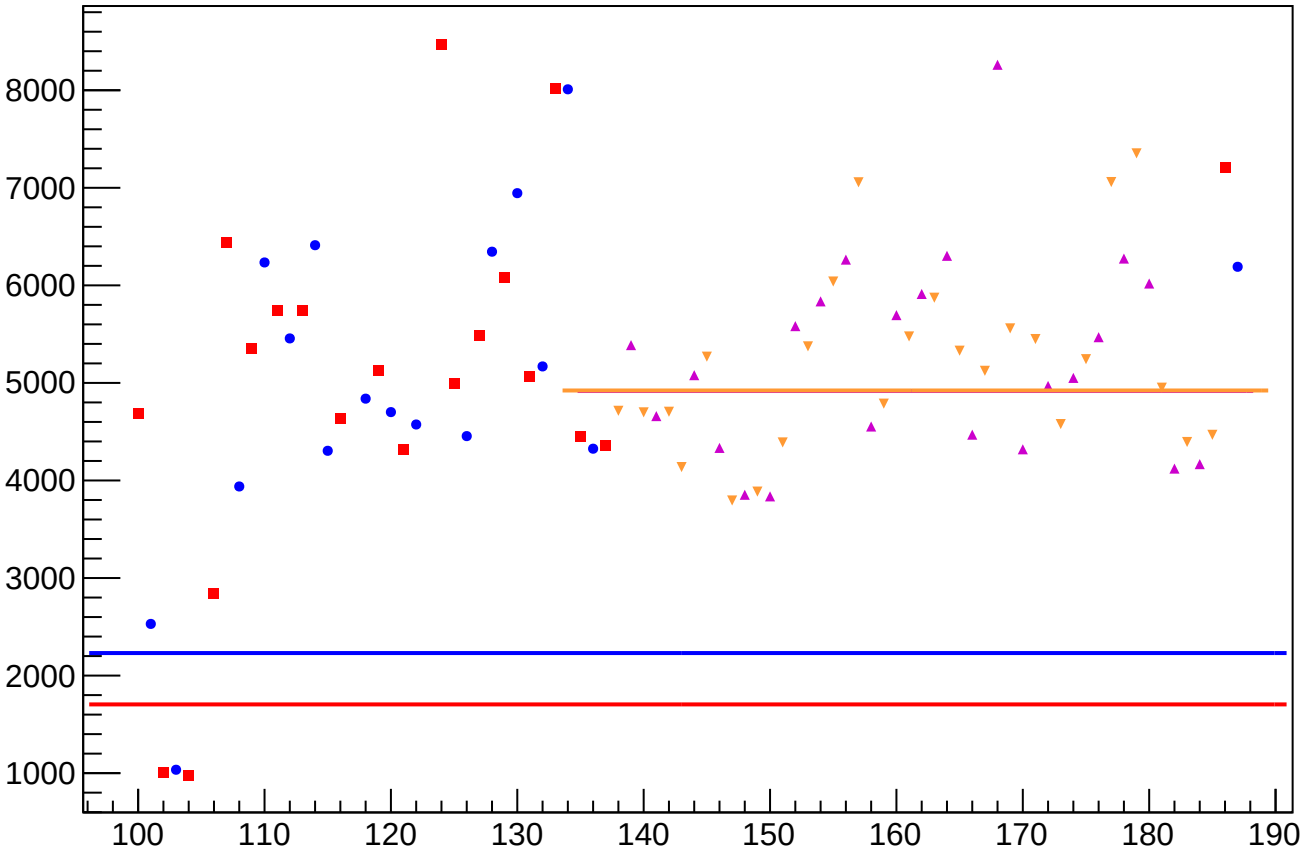
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -371.354+/-657.341 χ^2/NDF: 34.9/36

In: -674.243+/-789.679 χ^2/NDF:29.1/39

Out: 83.239+/-672.962 χ^2/NDF:46.7/44

All: -235.438+/-512.201 χ^2/NDF: 76.3/84



Right In: 2230.965+/-0.756 χ^2/NDF: 5651704.4/16

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1704.579+/-0.589 χ^2/NDF: 7335071.4/19

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

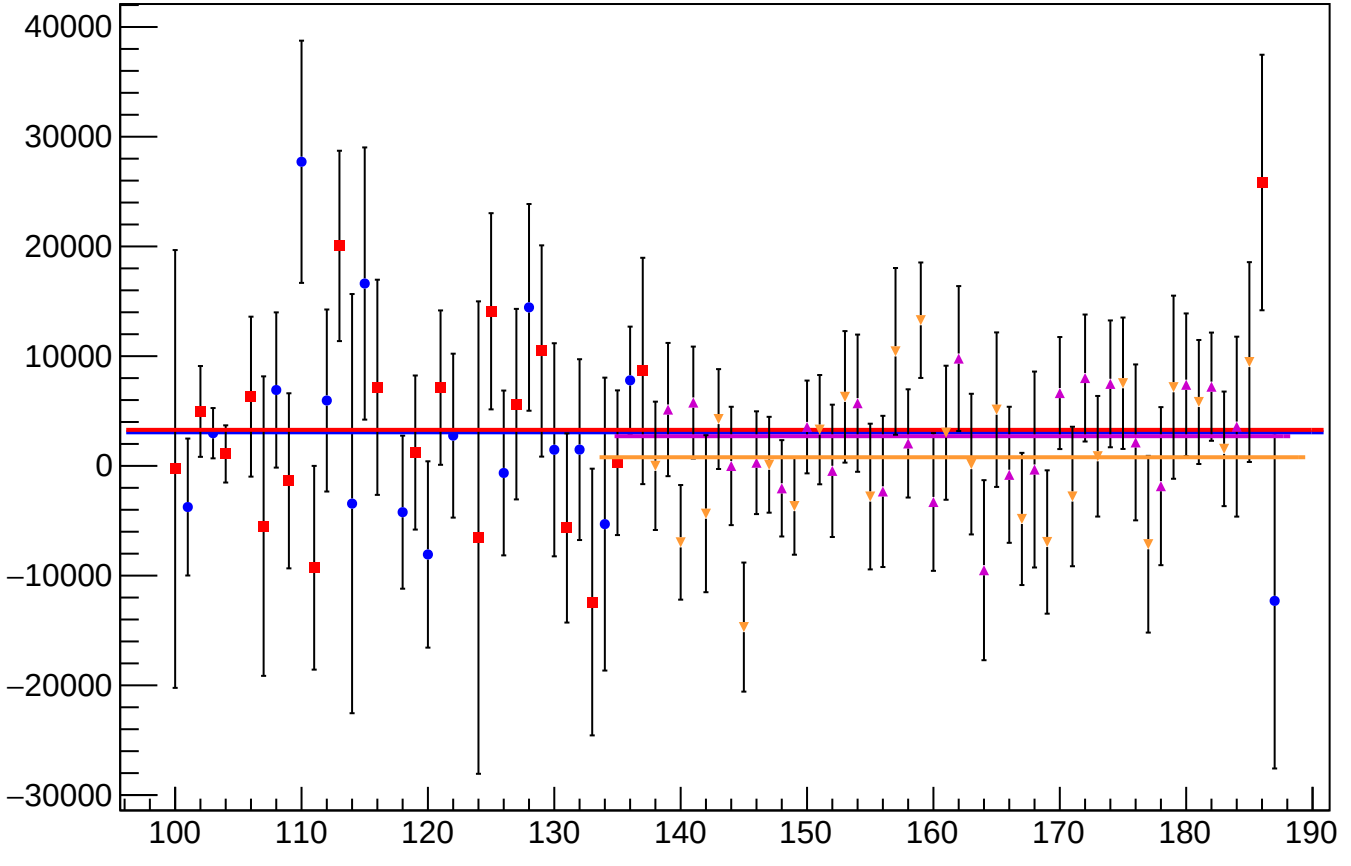
Right: 1903.454+/-0.465 χ^2/NDF: 13288253.2/36

In: 3452.426+/-0.558 χ^2/NDF:12550696.4/39

Out: 2824.015+/-0.476 χ^2/NDF:18759099.1/44

All: 3088.391+/-0.362 χ^2/NDF: 32043488.9/8

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3059.717+/-1531.506 χ^2/NDF: 14.8/16

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3283.942+/-1538.513 χ^2/NDF: 17.2/19

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

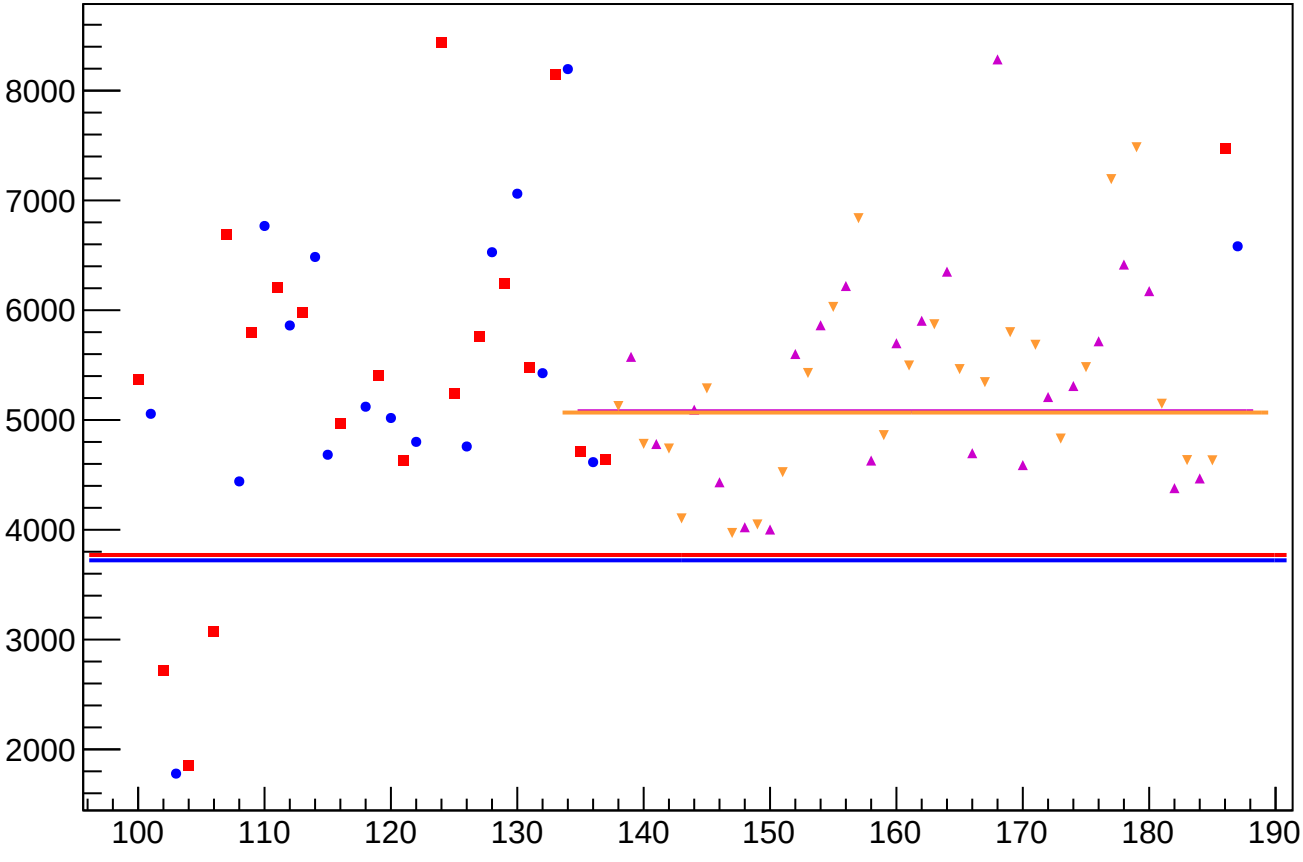
Right: 3171.317+/-1085.407 χ^2/NDF: 32.0/36

In: 2841.136+/-947.632 χ^2/NDF:26.8/39

Out: 1704.475+/-932.286 χ^2/NDF:46.4/44

All: 2263.527+/-664.585 χ^2/NDF: 73.9/84

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3721.856+/-1.083 χ^2/NDF: 2956484.6/16

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 3770.553+/-1.077 χ^2/NDF: 2890226.3/19

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

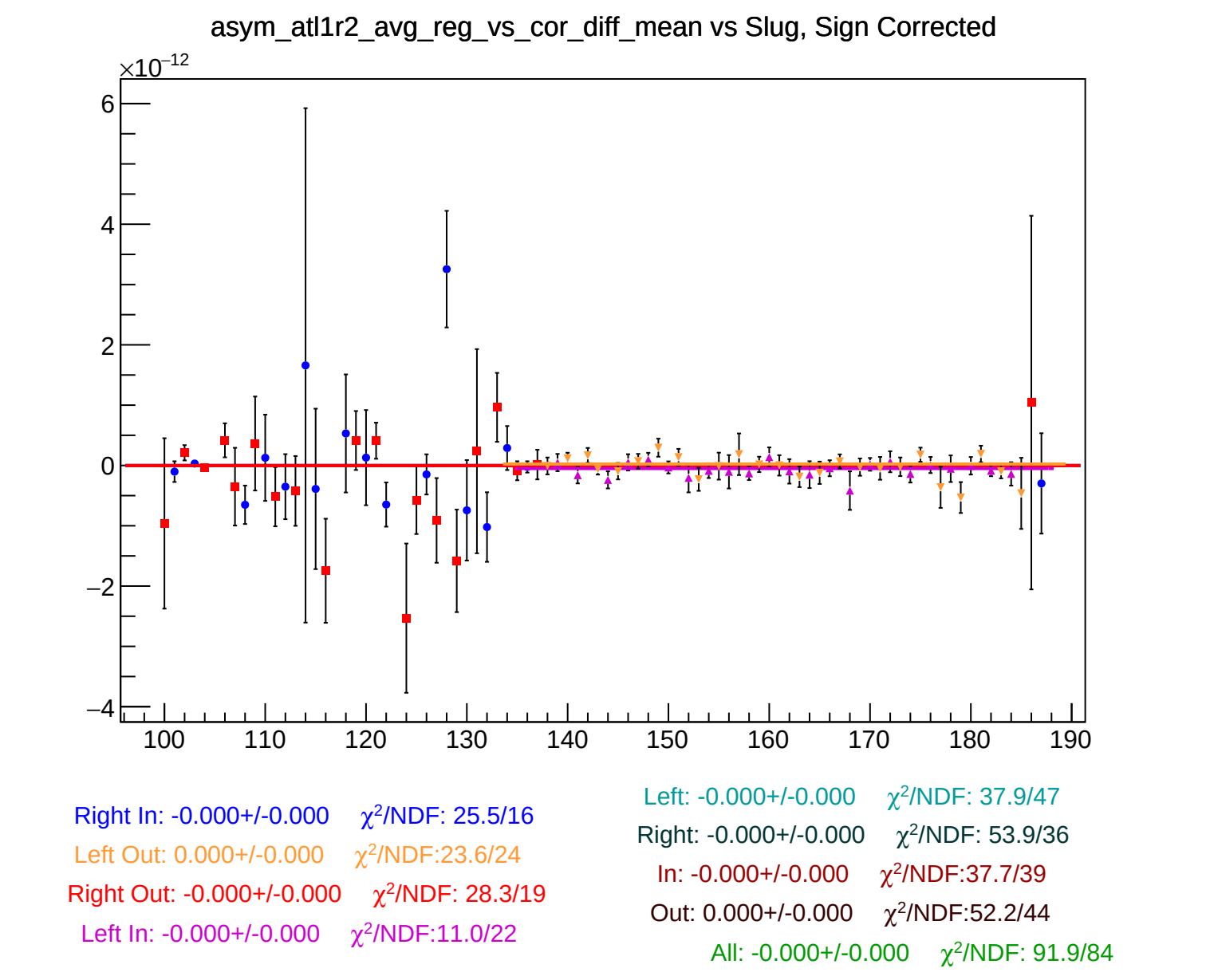
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 3746.334+/-0.764 χ^2/NDF: 5847727.3/36

In: 4559.843+/-0.670 χ^2/NDF:4927976.9/39

Out: 4585.560+/-0.657 χ^2/NDF:4755667.1/44

All: 4572.958+/-0.469 χ^2/NDF: 9684395.3/84


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
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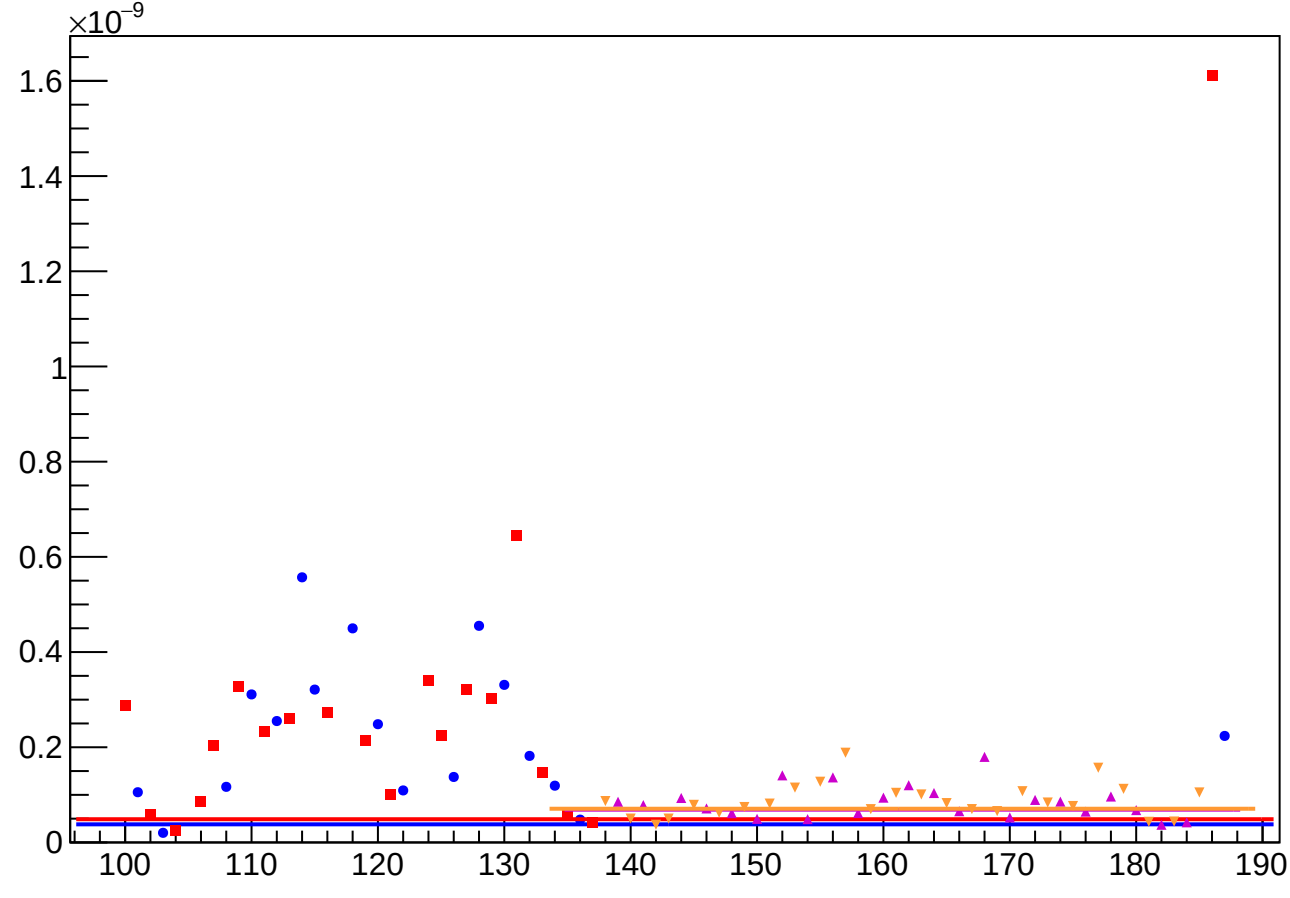
190
Right In: -0.000+/-0.000 χ²/NDF: 25.5/16
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.3/19
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 53.9/36
In: -0.000+/-0.000 χ²/NDF:37.7/39
Out: 0.000+/-0.000 χ²/NDF:52.2/44
All: -0.000+/-0.000 χ²/NDF: 91.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 3240536.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3405020.1/19

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

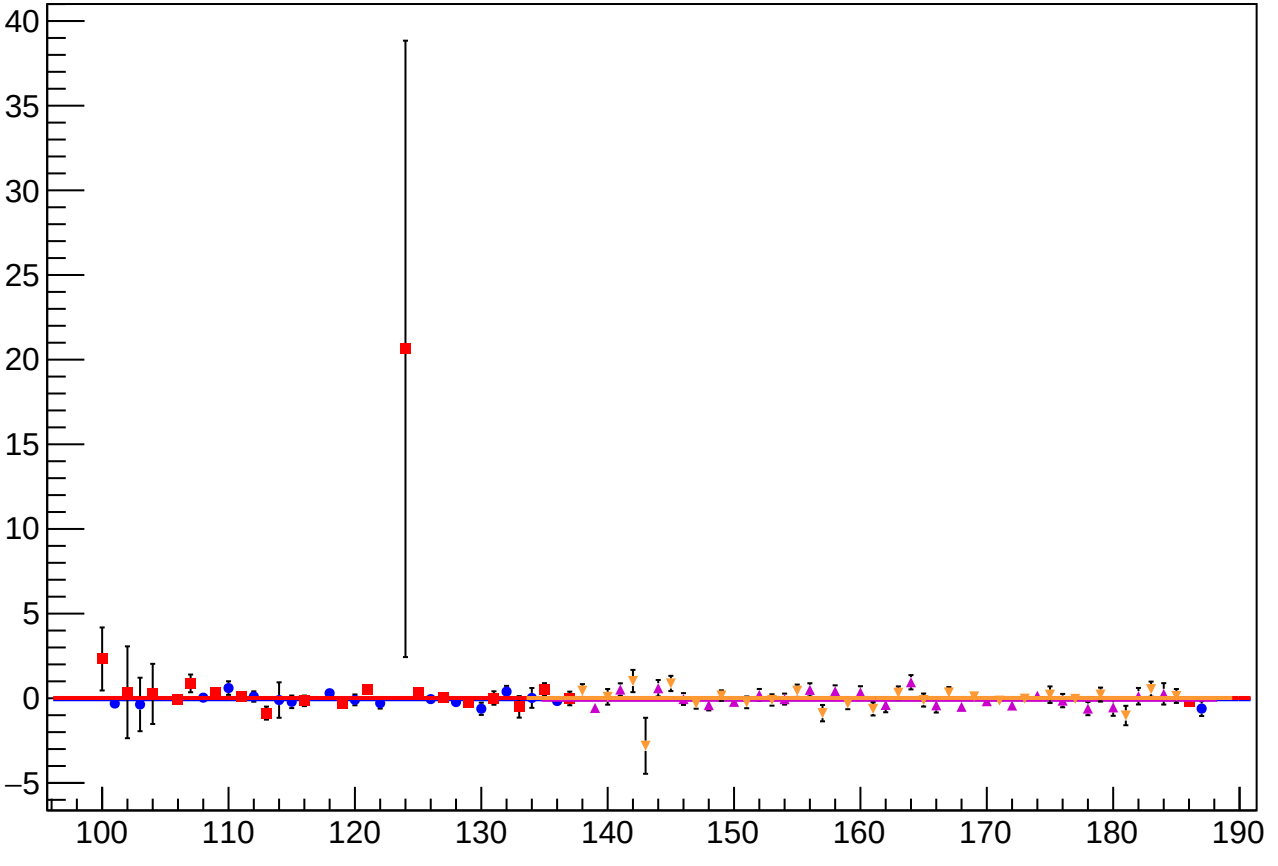
Right: 0.000+/-0.000 χ^2/NDF: 6714974.0/36

In: 0.000+/-0.000 χ^2/NDF:5542857.2/39

Out: 0.000+/-0.000 χ^2/NDF:5235108.1/44

All: 0.000+/-0.000 χ^2/NDF: 10885255.5/84

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.017+/-0.074 χ^2/NDF: 24.3/19

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

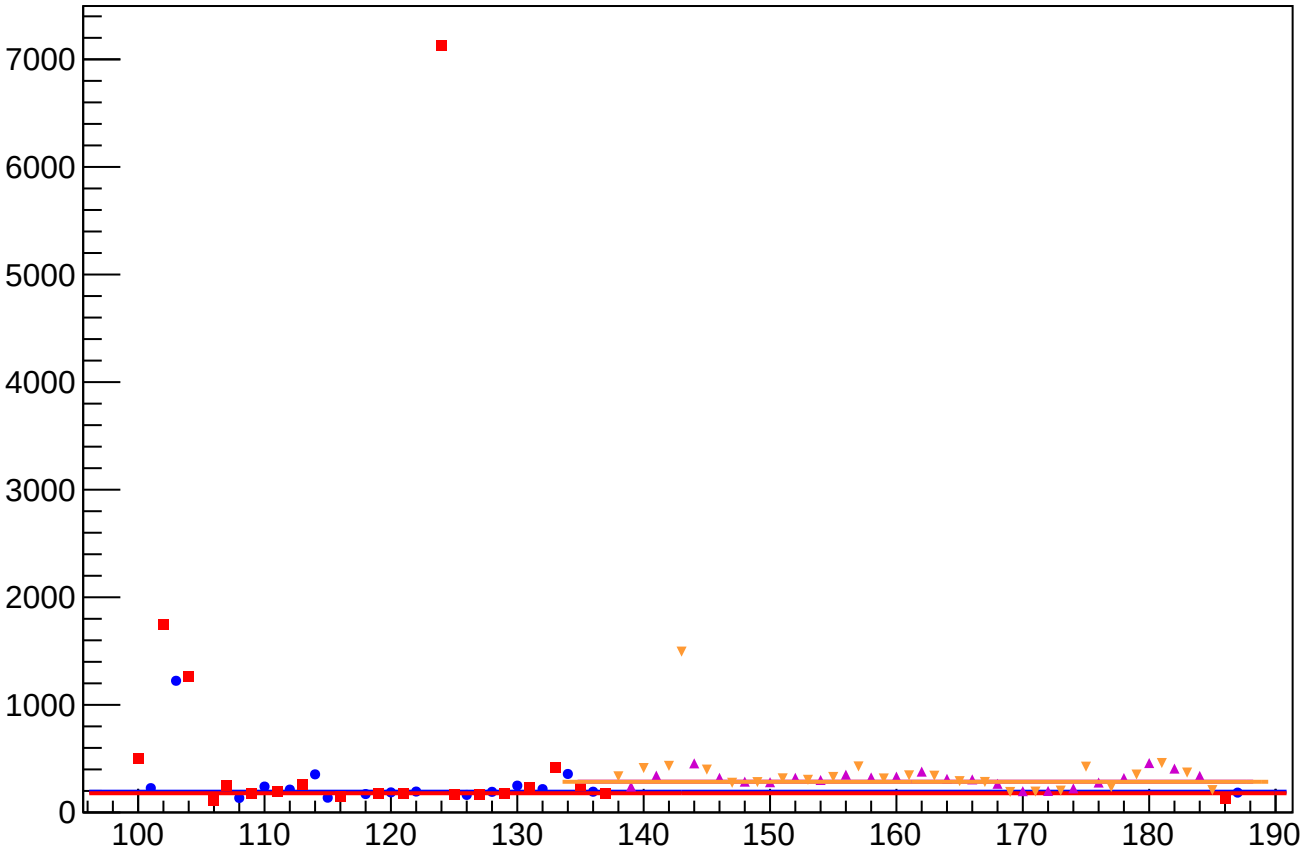
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: -0.019+/-0.053 χ^2/NDF: 38.2/36

In: -0.076+/-0.052 χ^2/NDF:44.4/39

Out: 0.016+/-0.051 χ^2/NDF:52.6/44

All: -0.029+/-0.036 χ^2/NDF: 98.5/84



Right In: 192.978+/-0.054 χ^2/NDF: 1409192.7/16

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 178.592+/-0.052 χ^2/NDF: 2631845.3/19

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

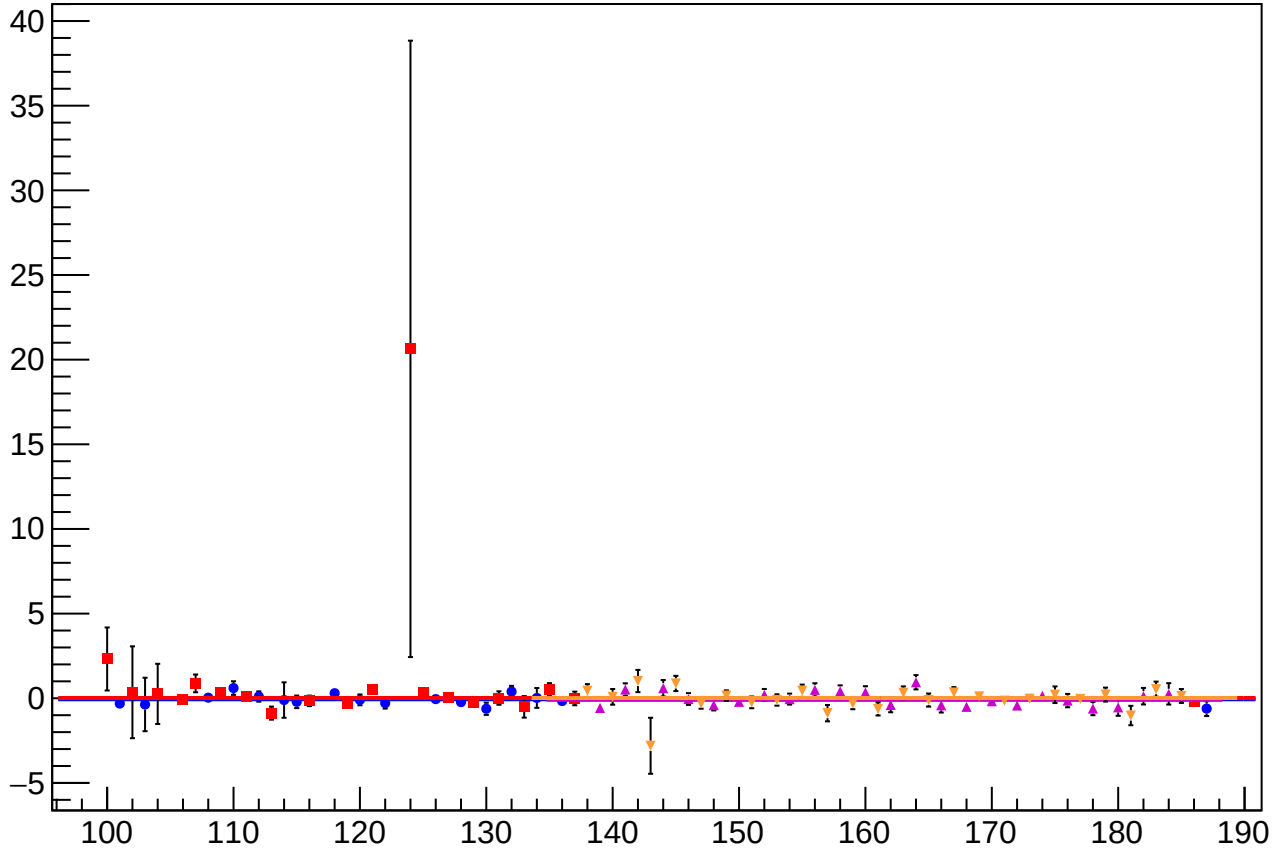
Right: 185.500+/-0.038 χ^2/NDF: 4077742.8/36

In: 243.303+/-0.037 χ^2/NDF:4748660.5/39

Out: 234.604+/-0.036 χ^2/NDF:8241204.8/44

All: 238.854+/-0.026 χ^2/NDF: 13018683.6/84

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.017+/-0.074 χ^2/NDF: 24.3/19

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

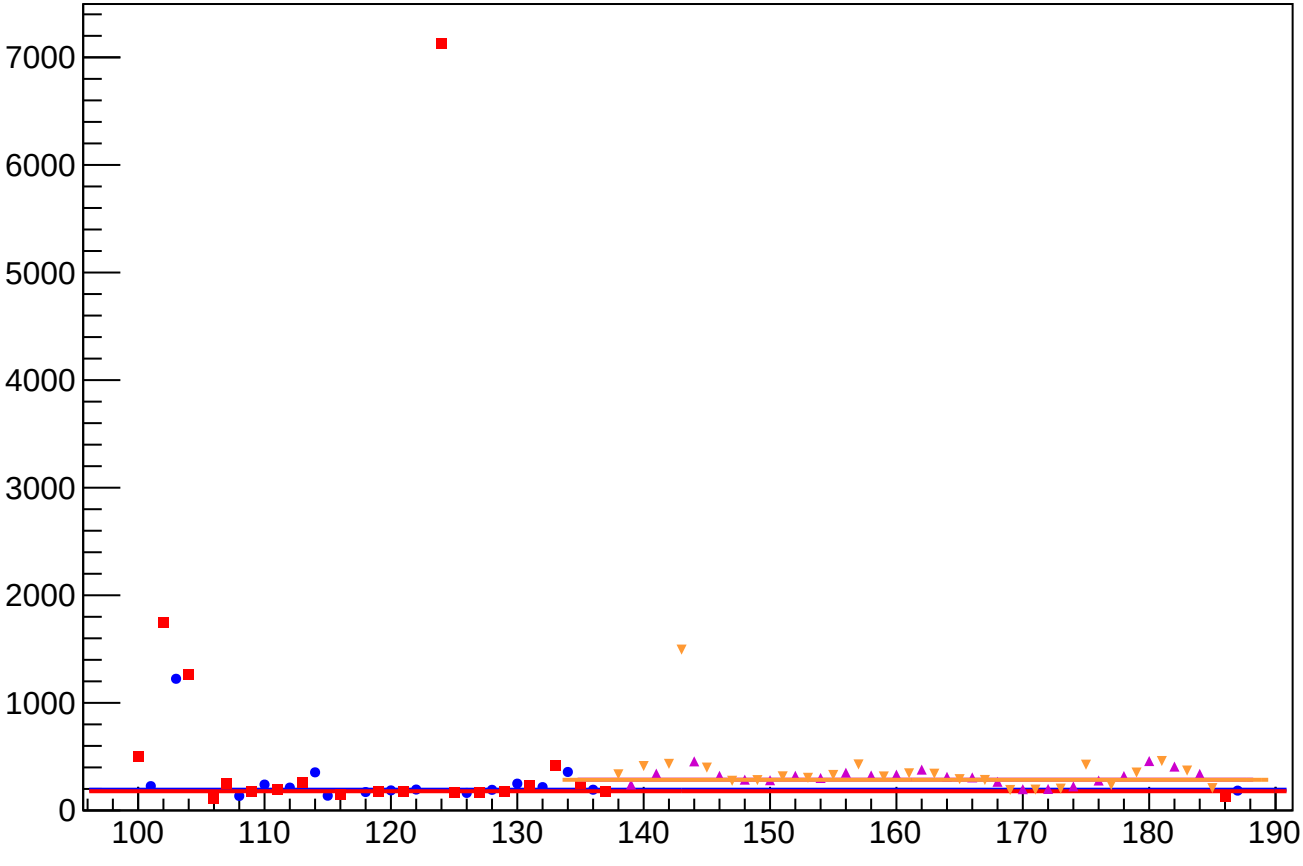
Right: -0.019+/-0.053 χ^2/NDF: 38.2/36

In: -0.076+/-0.052 χ^2/NDF:44.4/39

Out: 0.016+/-0.051 χ^2/NDF:52.6/44

All: -0.029+/-0.036 χ^2/NDF: 98.5/84

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.978+/-0.054 χ^2/NDF: 1409192.7/16

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 178.592+/-0.052 χ^2/NDF: 2631845.3/19

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

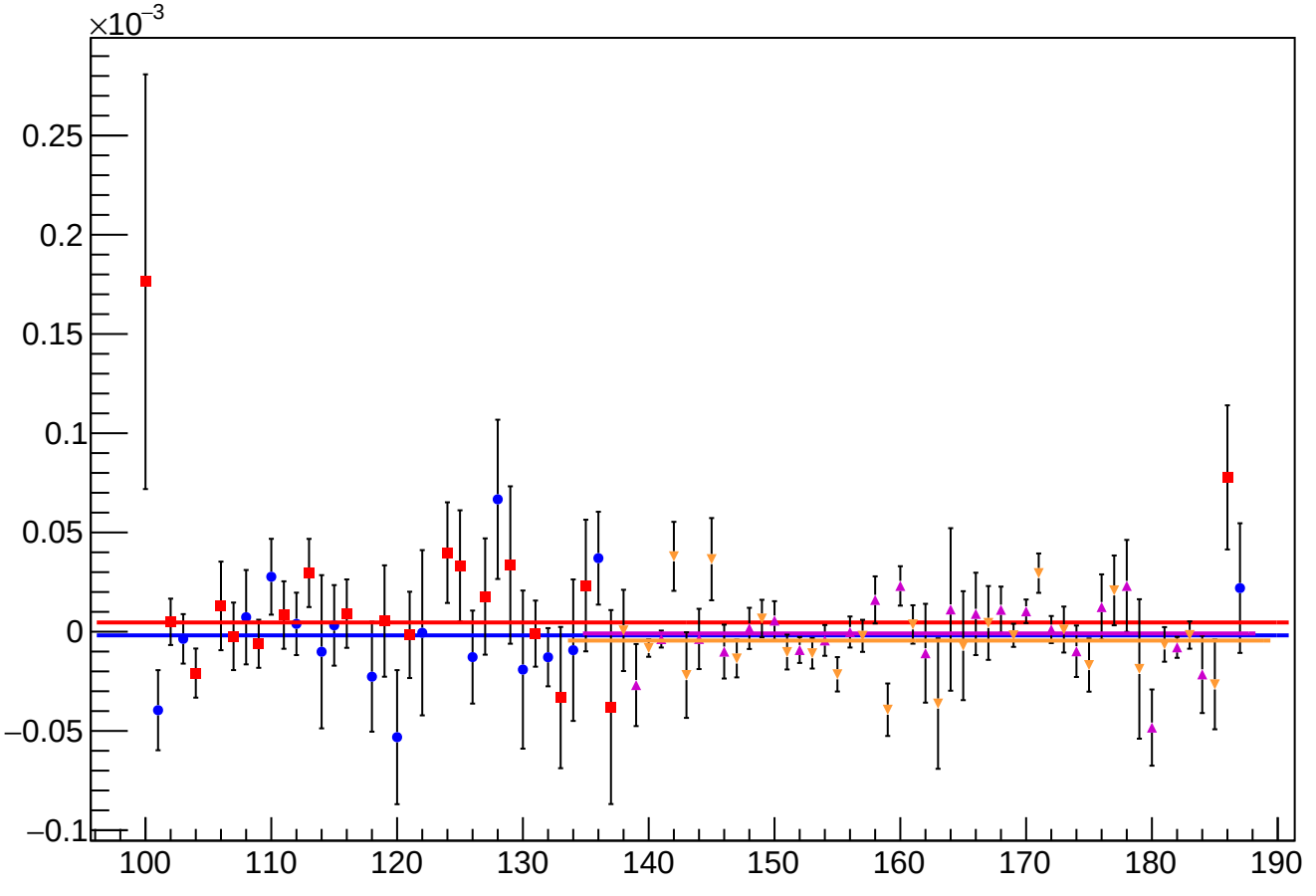
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 185.500+/-0.038 χ^2/NDF: 4077742.8/36

In: 243.303+/-0.037 χ^2/NDF:4748660.5/39

Out: 234.604+/-0.036 χ^2/NDF:8241204.8/44

All: 238.854+/-0.026 χ^2/NDF: 13018683.6/84



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/19

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

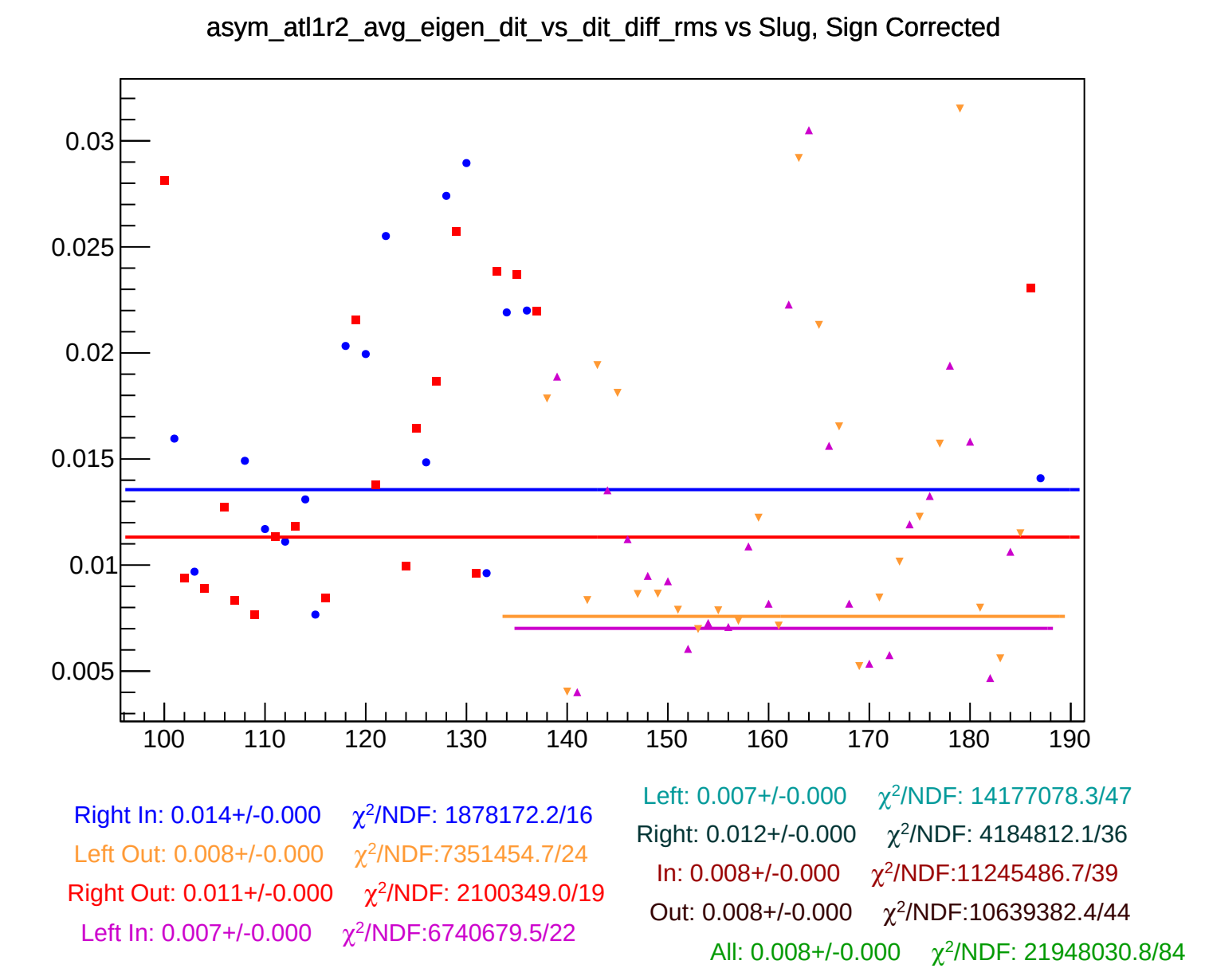
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 37.7/36

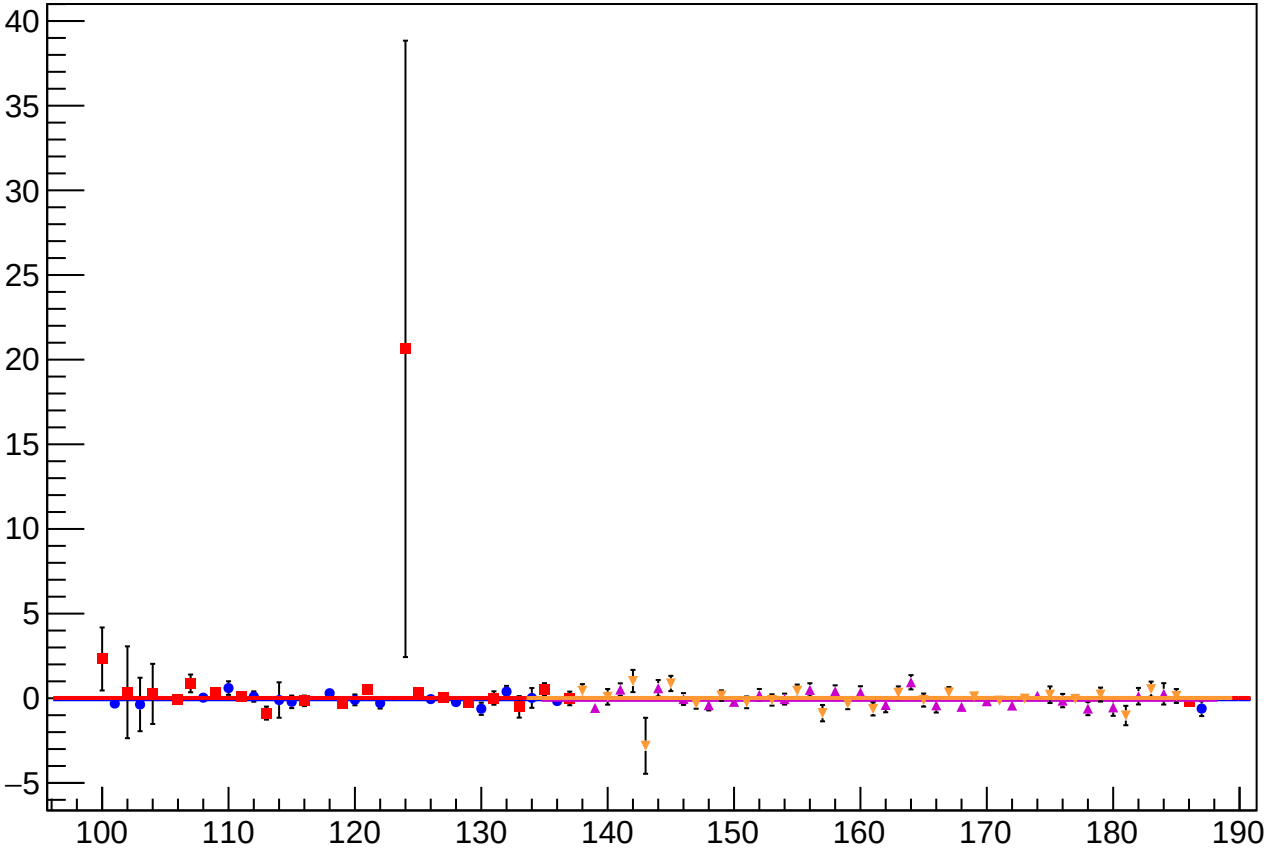
In: -0.000+/-0.000 χ^2/NDF:45.4/39

Out: -0.000+/-0.000 χ^2/NDF:67.8/44

All: -0.000+/-0.000 χ^2/NDF: 113.9/84


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.014+/-0.000 χ²/NDF: 1878172.2/16
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.011+/-0.000 χ²/NDF: 2100349.0/19
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
Left: 0.007+/-0.000 χ²/NDF: 14177078.3/47
Right: 0.012+/-0.000 χ²/NDF: 4184812.1/36
In: 0.008+/-0.000 χ²/NDF:11245486.7/39
Out: 0.008+/-0.000 χ²/NDF:10639382.4/44
All: 0.008+/-0.000 χ²/NDF: 21948030.8/84

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.017+/-0.074 χ^2/NDF: 24.3/19

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

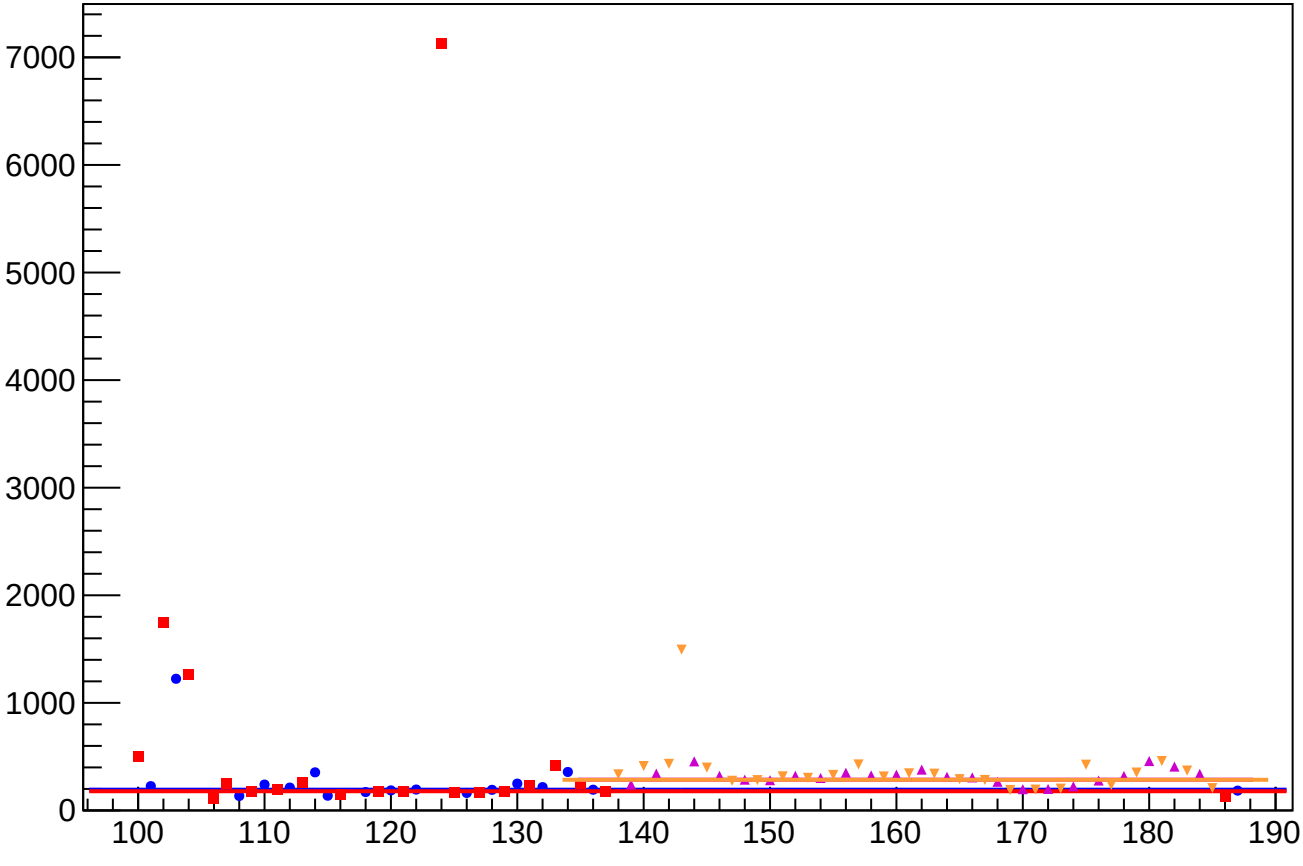
Right: -0.019+/-0.053 χ^2/NDF: 38.2/36

In: -0.076+/-0.052 χ^2/NDF:44.4/39

Out: 0.016+/-0.051 χ^2/NDF:52.6/44

All: -0.029+/-0.036 χ^2/NDF: 98.5/84

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.977+/-0.054 χ^2/NDF: 1409186.7/16

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 178.592+/-0.052 χ^2/NDF: 2631836.0/19

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

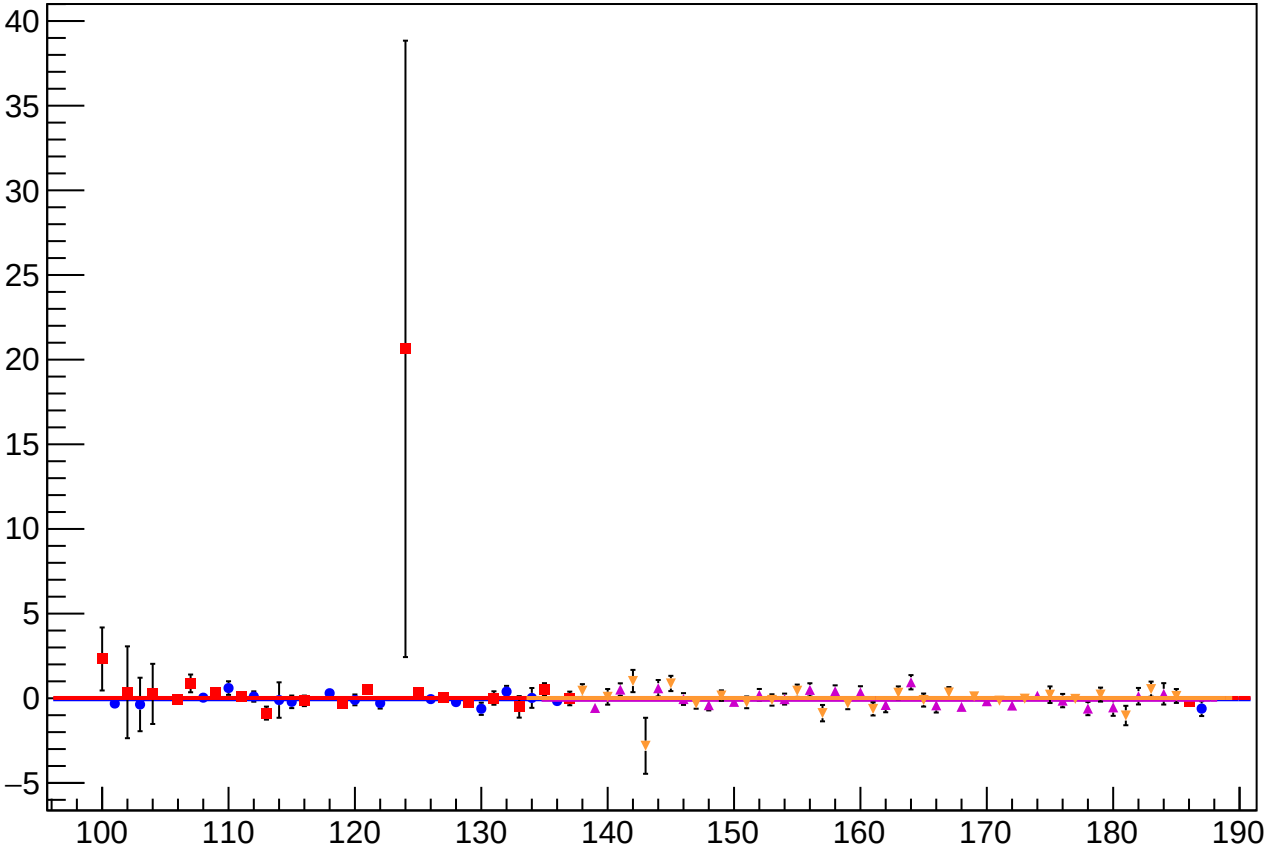
Right: 185.498+/-0.038 χ^2/NDF: 4077724.6/36

In: 243.303+/-0.037 χ^2/NDF:4748834.1/39

Out: 234.605+/-0.036 χ^2/NDF:8241373.4/44

All: 238.854+/-0.026 χ^2/NDF: 13019023.4/84

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.017+/-0.074 χ^2/NDF: 24.3/19

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

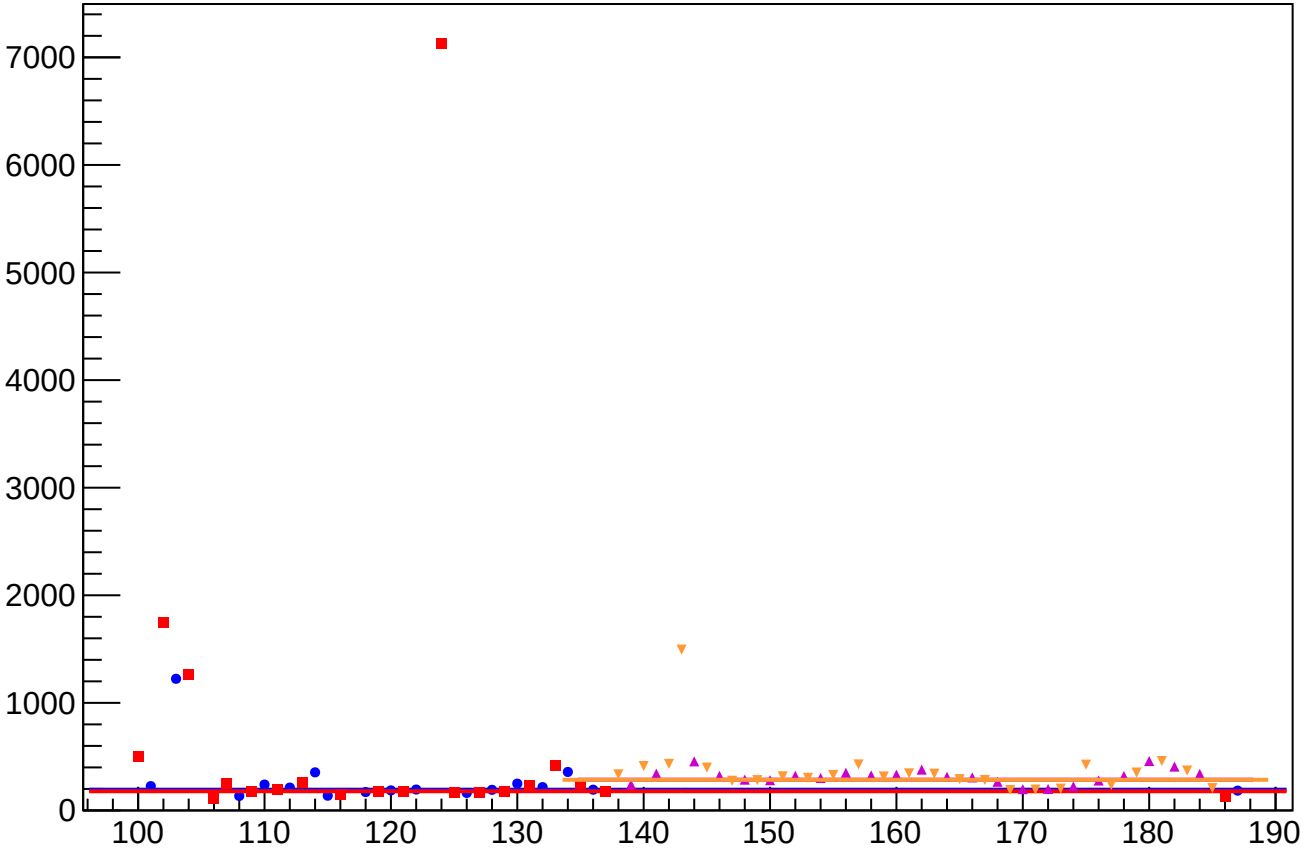
Right: -0.019+/-0.053 χ^2/NDF: 38.2/36

In: -0.076+/-0.052 χ^2/NDF:44.4/39

Out: 0.016+/-0.051 χ^2/NDF:52.6/44

All: -0.029+/-0.036 χ^2/NDF: 98.5/84

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.977+/-0.054 χ^2/NDF: 1409186.7/16

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 178.592+/-0.052 χ^2/NDF: 2631836.0/19

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

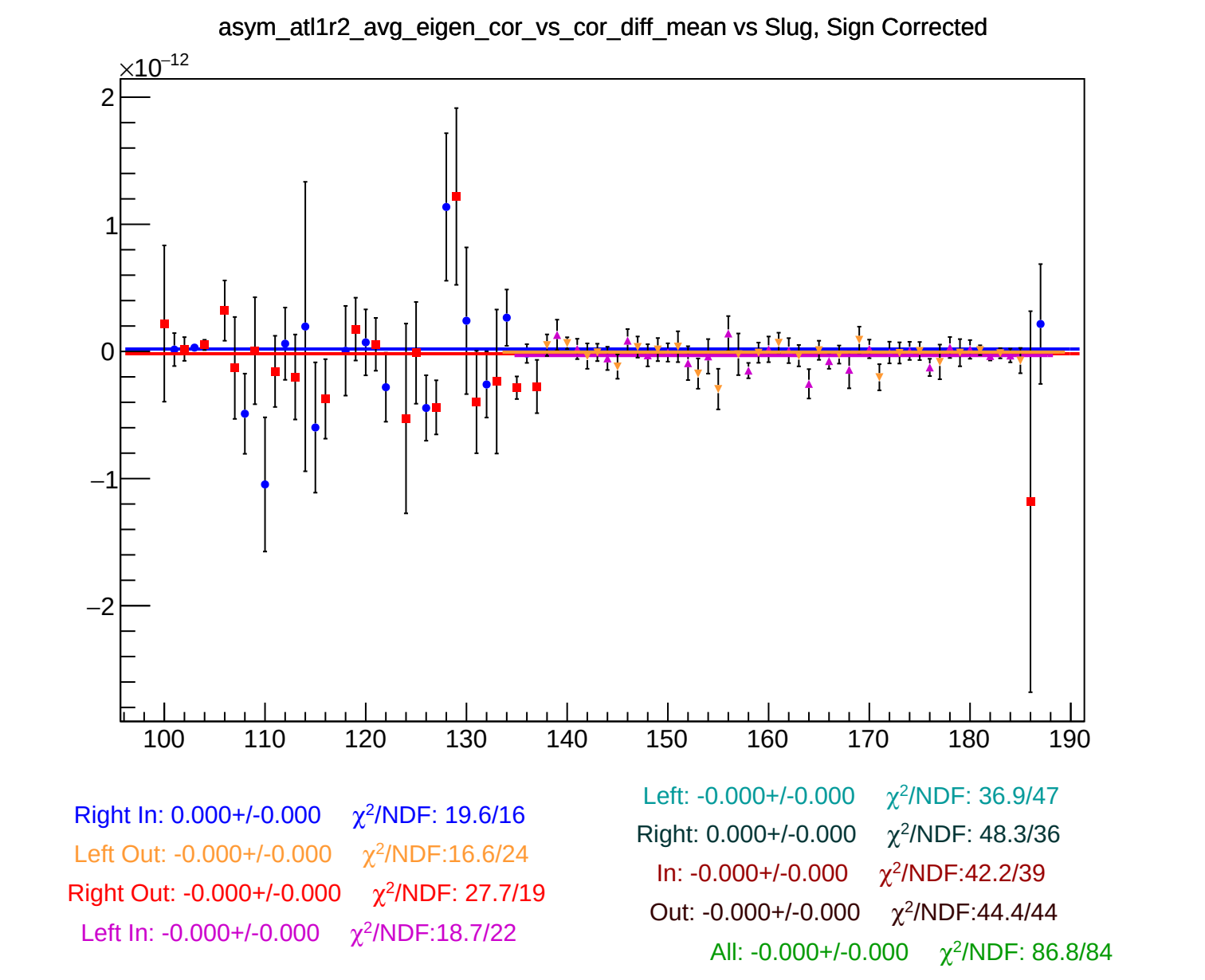
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

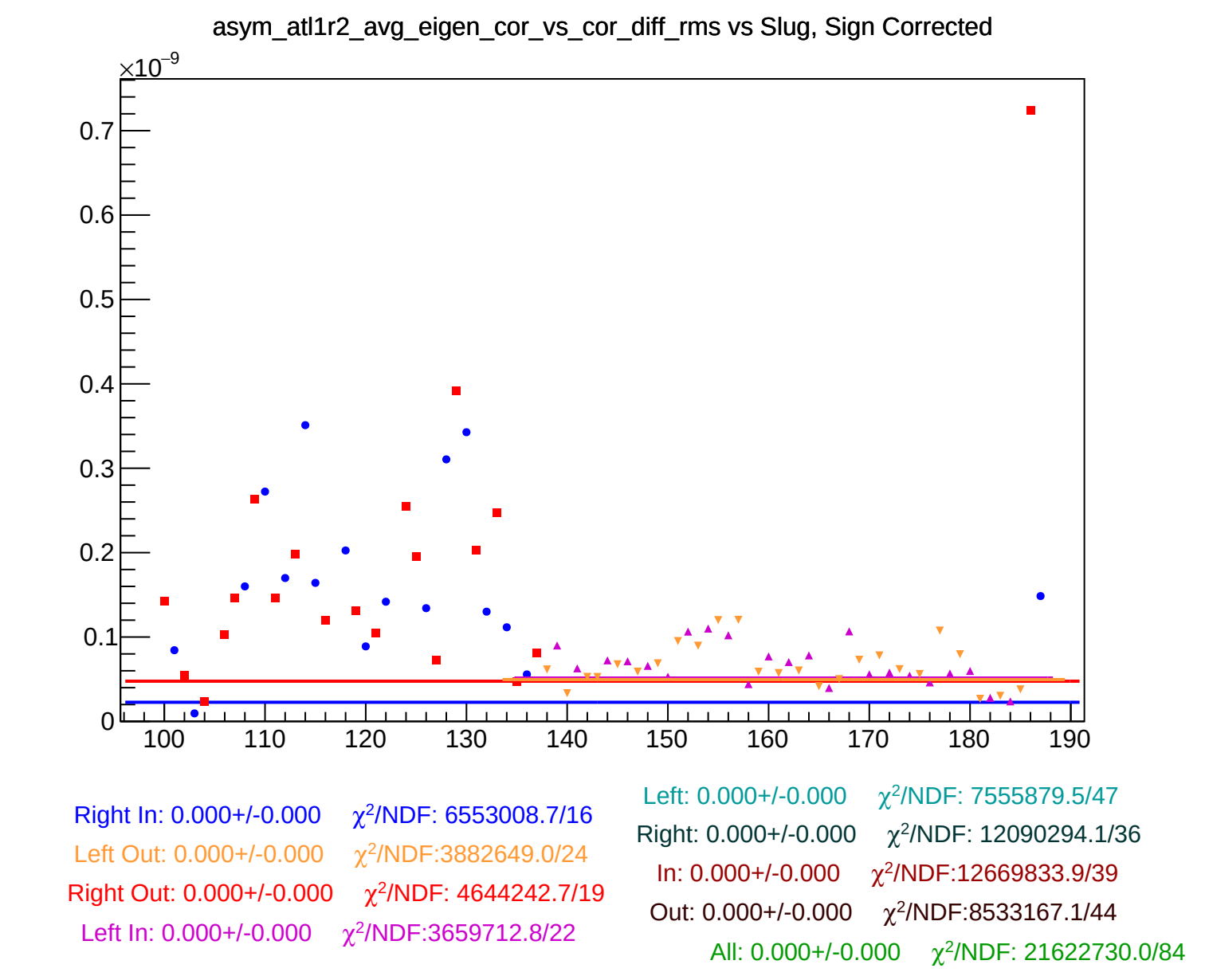
Right: 185.498+/-0.038 χ^2/NDF: 4077724.6/36

In: 243.303+/-0.037 χ^2/NDF:4748834.1/39

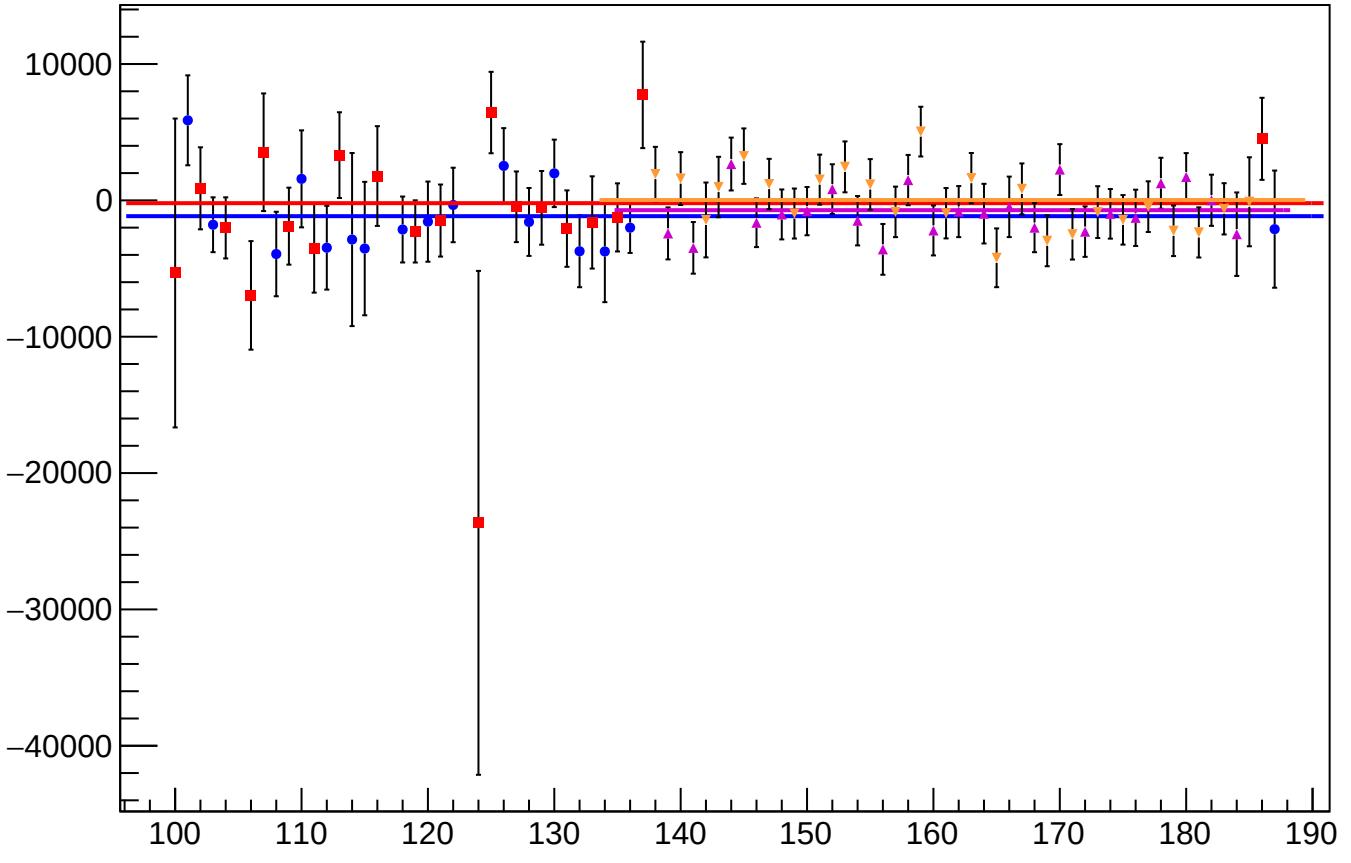
Out: 234.605+/-0.036 χ^2/NDF:8241373.4/44

All: 238.854+/-0.026 χ^2/NDF: 13019023.4/84


asym_atl1r2_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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.6/16
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.7/19
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 48.3/36
In: -0.000+/-0.000 χ²/NDF:42.2/39
Out: -0.000+/-0.000 χ²/NDF:44.4/44
All: -0.000+/-0.000 χ²/NDF: 86.8/84


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 6553008.7/16
Left Out: 0.000+/-0.000 χ²/NDF:3882649.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4644242.7/19
Left In: 0.000+/-0.000 χ²/NDF:3659712.8/22
Left: 0.000+/-0.000 χ²/NDF: 7555879.5/47
Right: 0.000+/-0.000 χ²/NDF: 12090294.1/36
In: 0.000+/-0.000 χ²/NDF:12669833.9/39
Out: 0.000+/-0.000 χ²/NDF:8533167.1/44
All: 0.000+/-0.000 χ²/NDF: 21622730.0/84

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1159.434+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -205.706+/-687.258 χ^2/NDF: 22.6/19

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

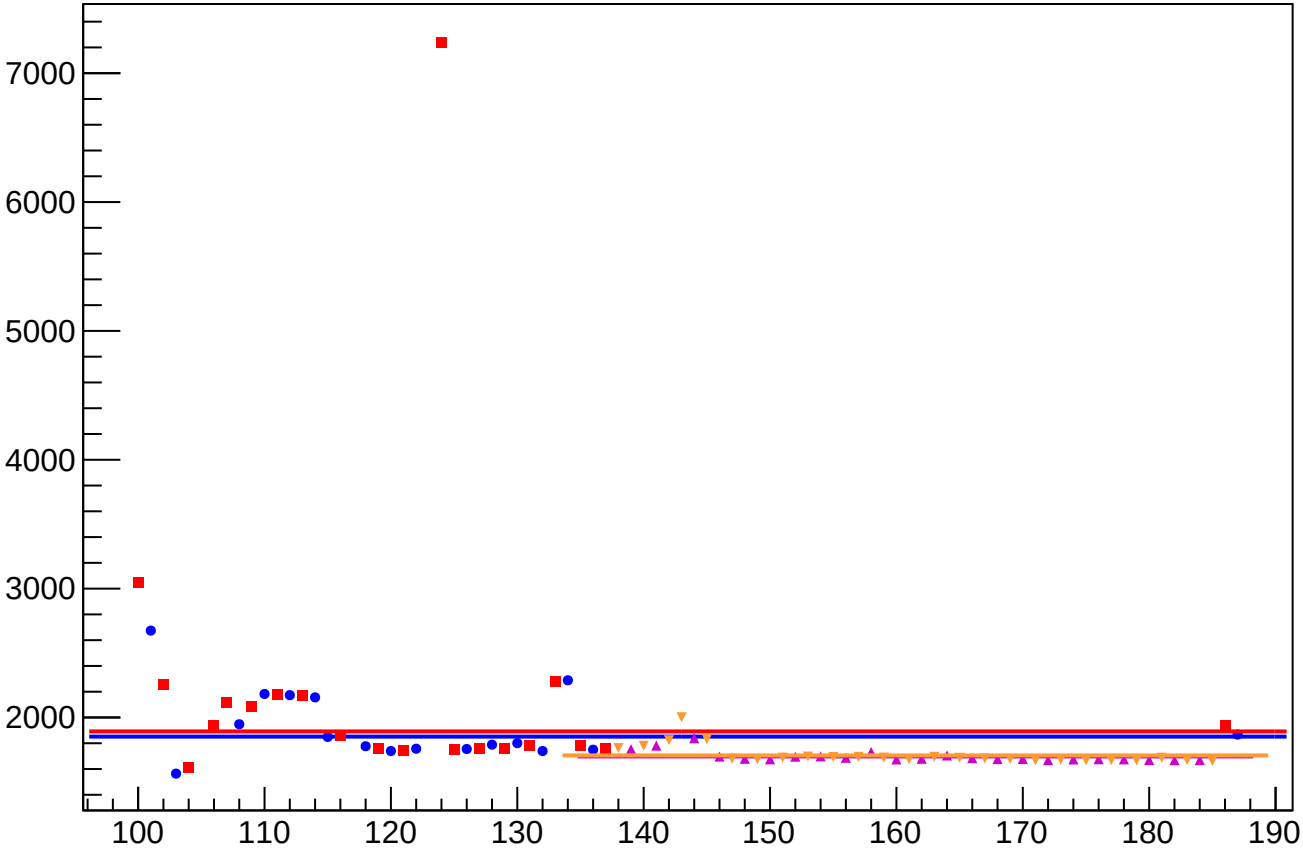
Right: -684.201+/-485.133 χ^2/NDF: 35.9/36

In: -829.910+/-343.115 χ^2/NDF:31.7/39

Out: -32.133+/-337.696 χ^2/NDF:52.1/44

All: -424.673+/-240.680 χ^2/NDF: 86.6/84

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.547+/-0.484 χ^2/NDF: 260010.0/16

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1891.904+/-0.485 χ^2/NDF: 359340.6/19

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

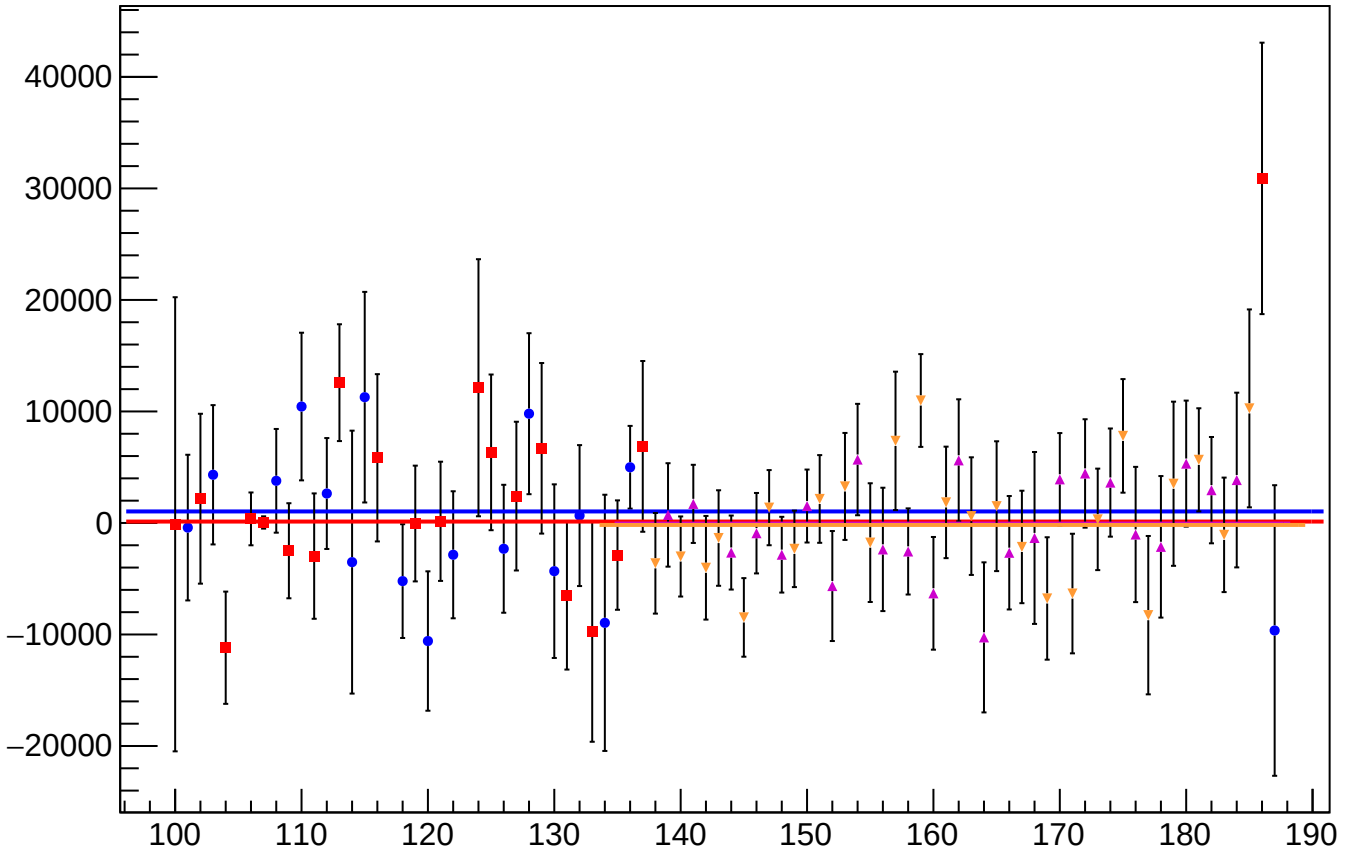
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1871.701+/-0.343 χ^2/NDF: 622818.3/36

In: 1736.171+/-0.243 χ^2/NDF:356925.8/39

Out: 1750.758+/-0.239 χ^2/NDF:531086.4/44

All: 1743.584+/-0.170 χ^2/NDF: 889849.3/84



Right In: 1033.532+/-1492.245 χ^2/NDF: 14.4/16

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 125.809+/-505.257 χ^2/NDF: 24.3/19

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

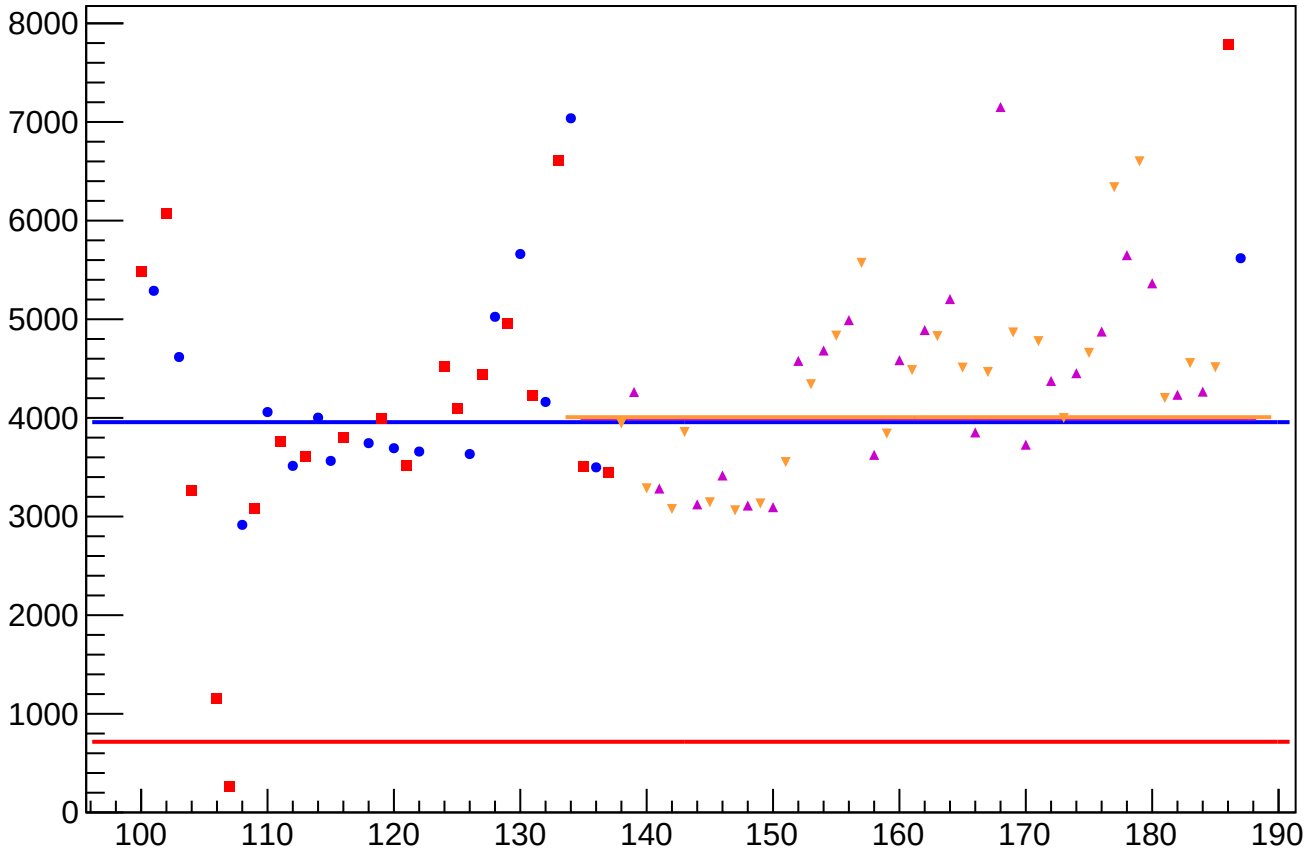
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 219.169+/-478.569 χ^2/NDF: 39.1/36

In: 260.913+/-805.207 χ^2/NDF:29.1/39

Out: 57.662+/-444.523 χ^2/NDF:52.4/44

All: 105.138+/-389.159 χ^2/NDF: 81.5/84



Right In: 3956.806+/-1.055 χ^2/NDF: 593095.2/16

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 716.597+/-0.357 χ^2/NDF: 11295405.8/19

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

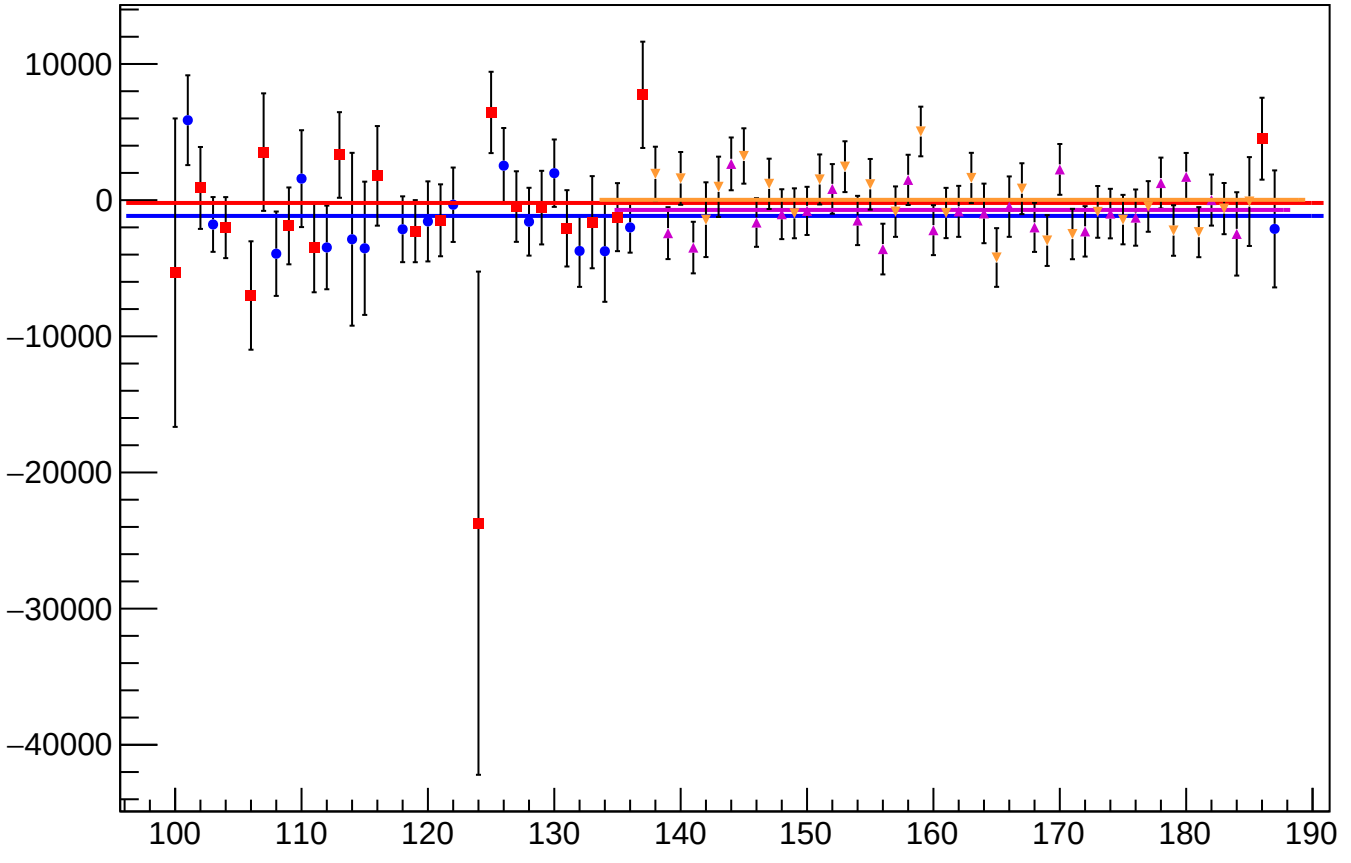
Right: 1049.857+/-0.338 χ^2/NDF: 20348308.1/36

In: 3983.861+/-0.569 χ^2/NDF:2132138.0/39

Out: 1460.099+/-0.314 χ^2/NDF:31965284.0/44

All: 2049.603+/-0.275 χ^2/NDF: 49155764.2/8

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1159.036+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -206.086+/-687.260 χ^2/NDF: 22.6/19

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

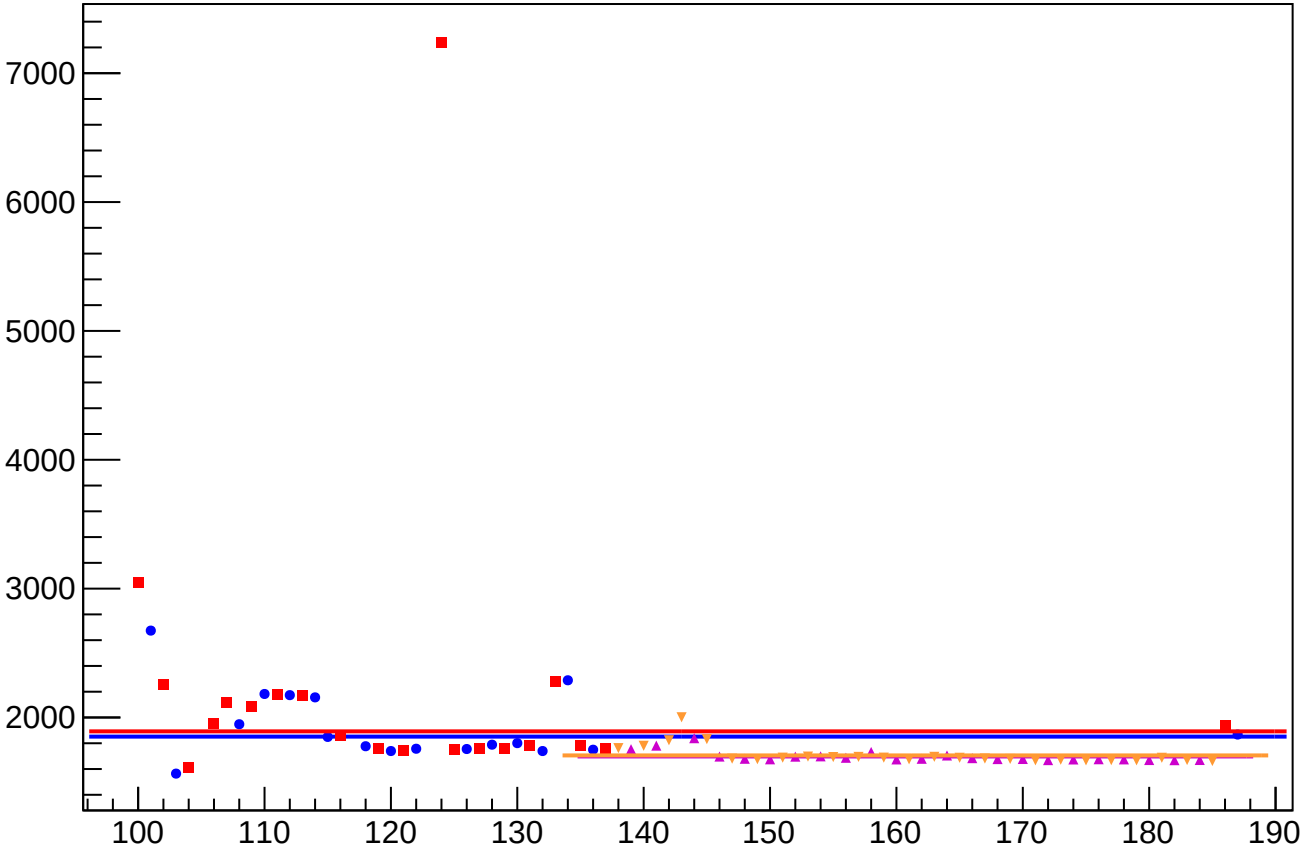
Right: -684.192+/-485.134 χ^2/NDF: 35.9/36

In: -829.717+/-343.115 χ^2/NDF:31.7/39

Out: -32.170+/-337.697 χ^2/NDF:52.2/44

All: -424.597+/-240.680 χ^2/NDF: 86.6/84

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.547+/-0.484 χ^2/NDF: 260009.1/16

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1892.339+/-0.485 χ^2/NDF: 359551.6/19

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

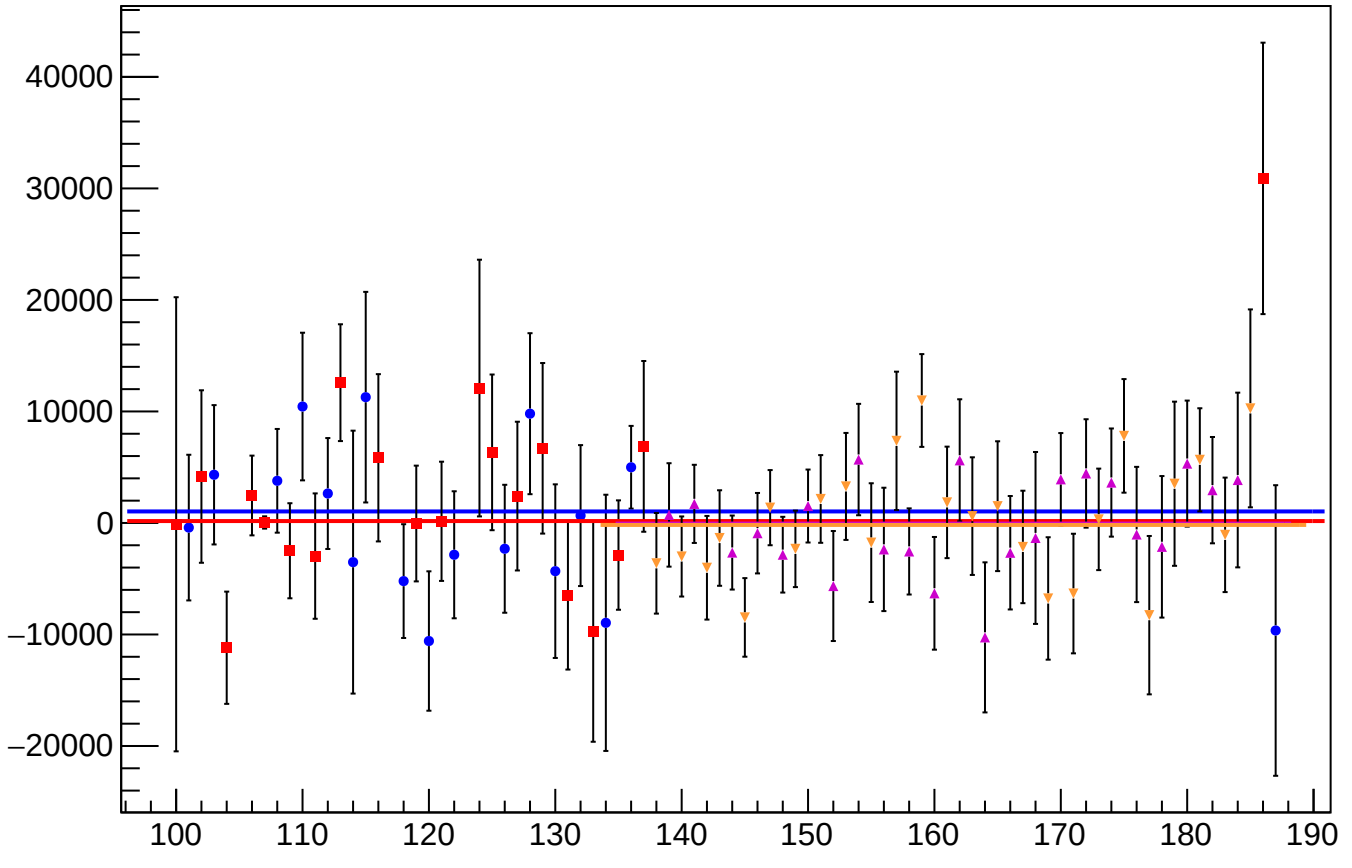
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1871.914+/-0.343 χ^2/NDF: 623102.8/36

In: 1736.171+/-0.243 χ^2/NDF:356925.3/39

Out: 1750.849+/-0.239 χ^2/NDF:531784.1/44

All: 1743.630+/-0.170 χ^2/NDF: 890569.4/84



Right In: 1033.509+/-1492.250 χ^2/NDF: 14.4/16

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 170.360+/-511.836 χ^2/NDF: 24.9/19

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

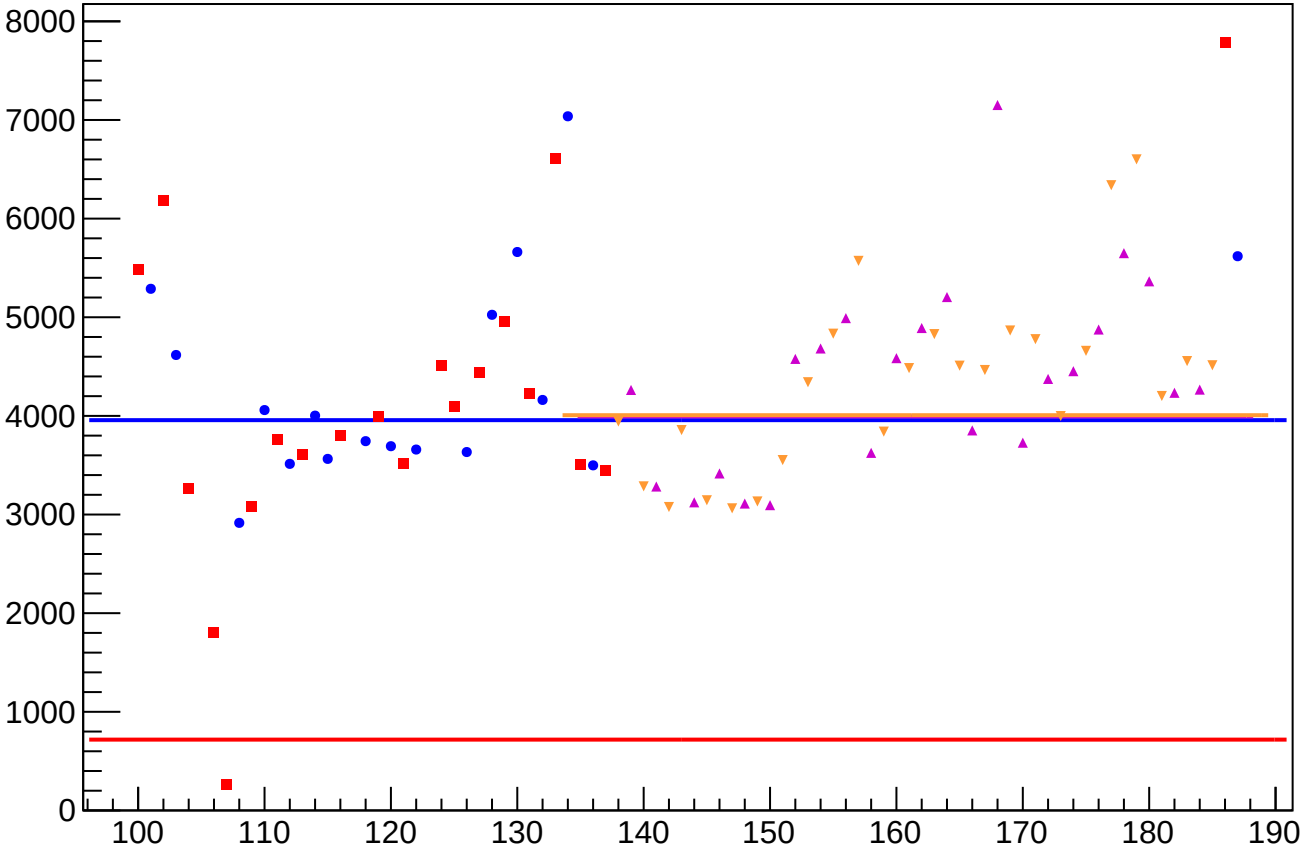
Right: 261.217+/-484.148 χ^2/NDF: 39.6/36

In: 260.955+/-805.208 χ^2/NDF:29.1/39

Out: 90.574+/-448.983 χ^2/NDF:53.0/44

All: 130.984+/-392.141 χ^2/NDF: 82.1/84

asym_atl1r2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3956.815+/-1.055 χ^2/NDF: 593120.7/16

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 718.150+/-0.362 χ^2/NDF: 11423703.5/19

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

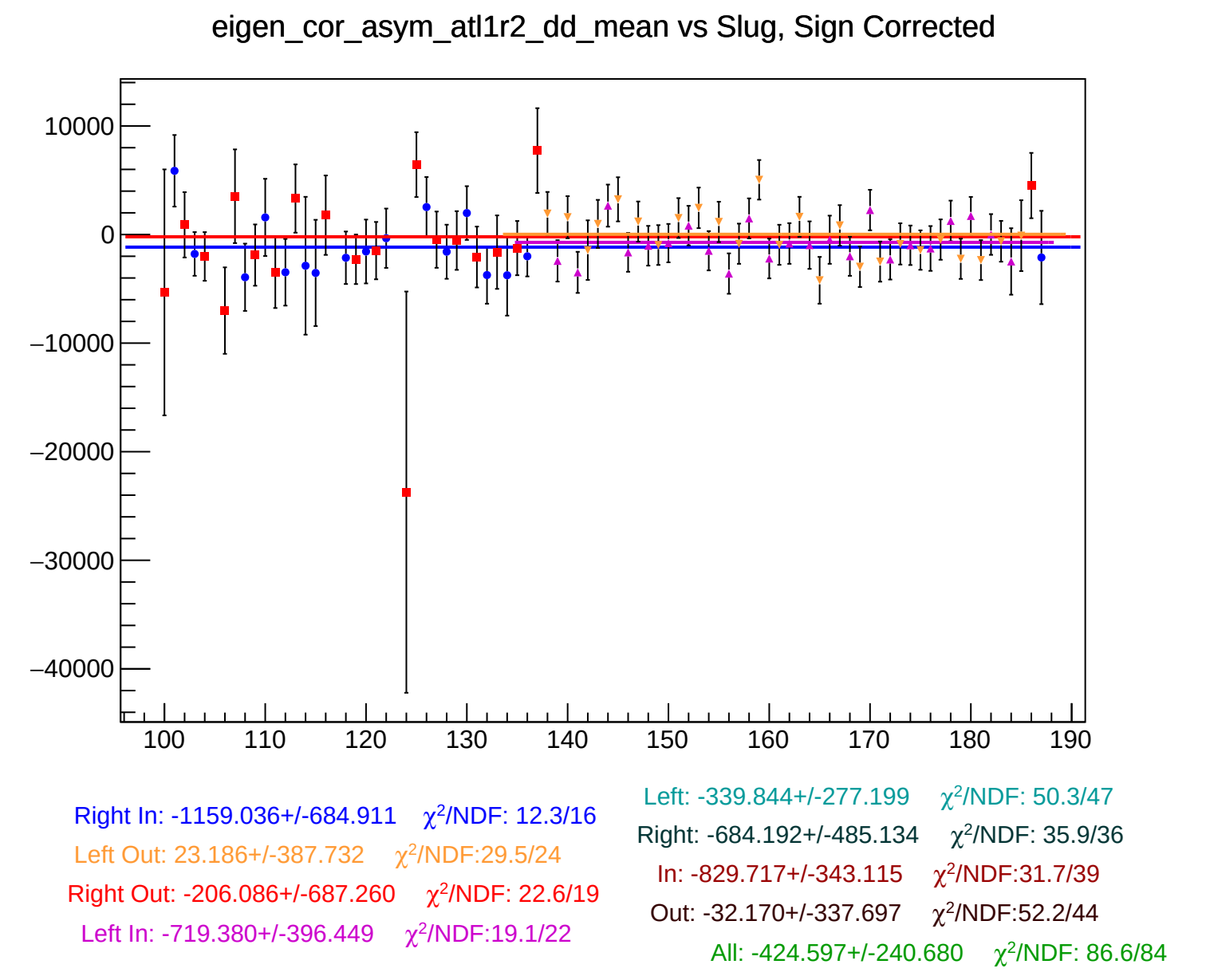
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

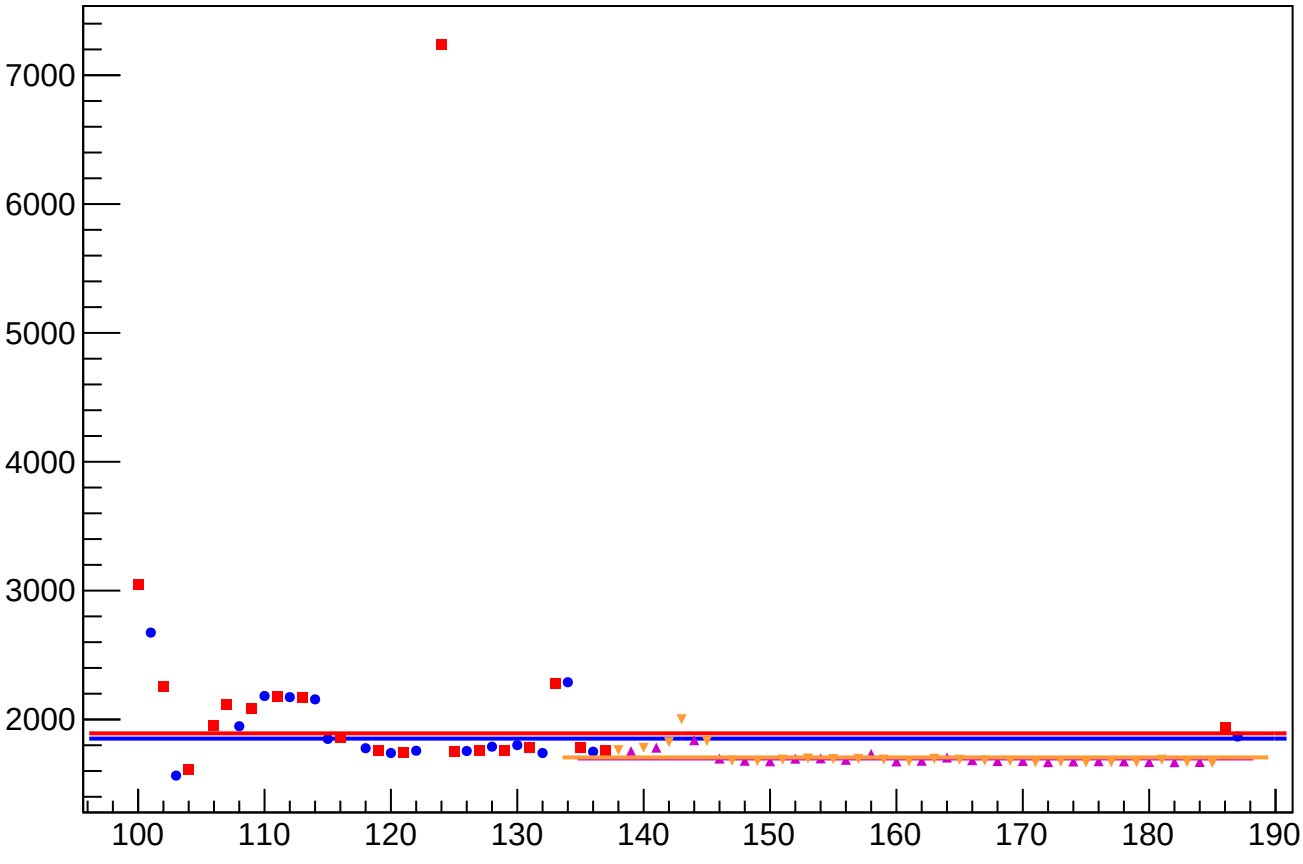
Right: 1059.060+/-0.342 χ^2/NDF: 20445791.9/36

In: 3983.863+/-0.569 χ^2/NDF:2132146.1/39

Out: 1476.289+/-0.317 χ^2/NDF:31962734.9/44

All: 2071.022+/-0.277 χ^2/NDF: 48890945.3/8


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1159.036+/-684.911 χ²/NDF: 12.3/16
Left Out: 23.186+/-387.732 χ²/NDF:29.5/24
Right Out: -206.086+/-687.260 χ²/NDF: 22.6/19
Left In: -719.380+/-396.449 χ²/NDF:19.1/22
Left: -339.844+/-277.199 χ²/NDF: 50.3/47
Right: -684.192+/-485.134 χ²/NDF: 35.9/36
In: -829.717+/-343.115 χ²/NDF:31.7/39
Out: -32.170+/-337.697 χ²/NDF:52.2/44
All: -424.597+/-240.680 χ²/NDF: 86.6/84



Right In: 1851.547+/-0.484 χ^2/NDF: 260009.1/16

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1892.339+/-0.485 χ^2/NDF: 359551.6/19

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

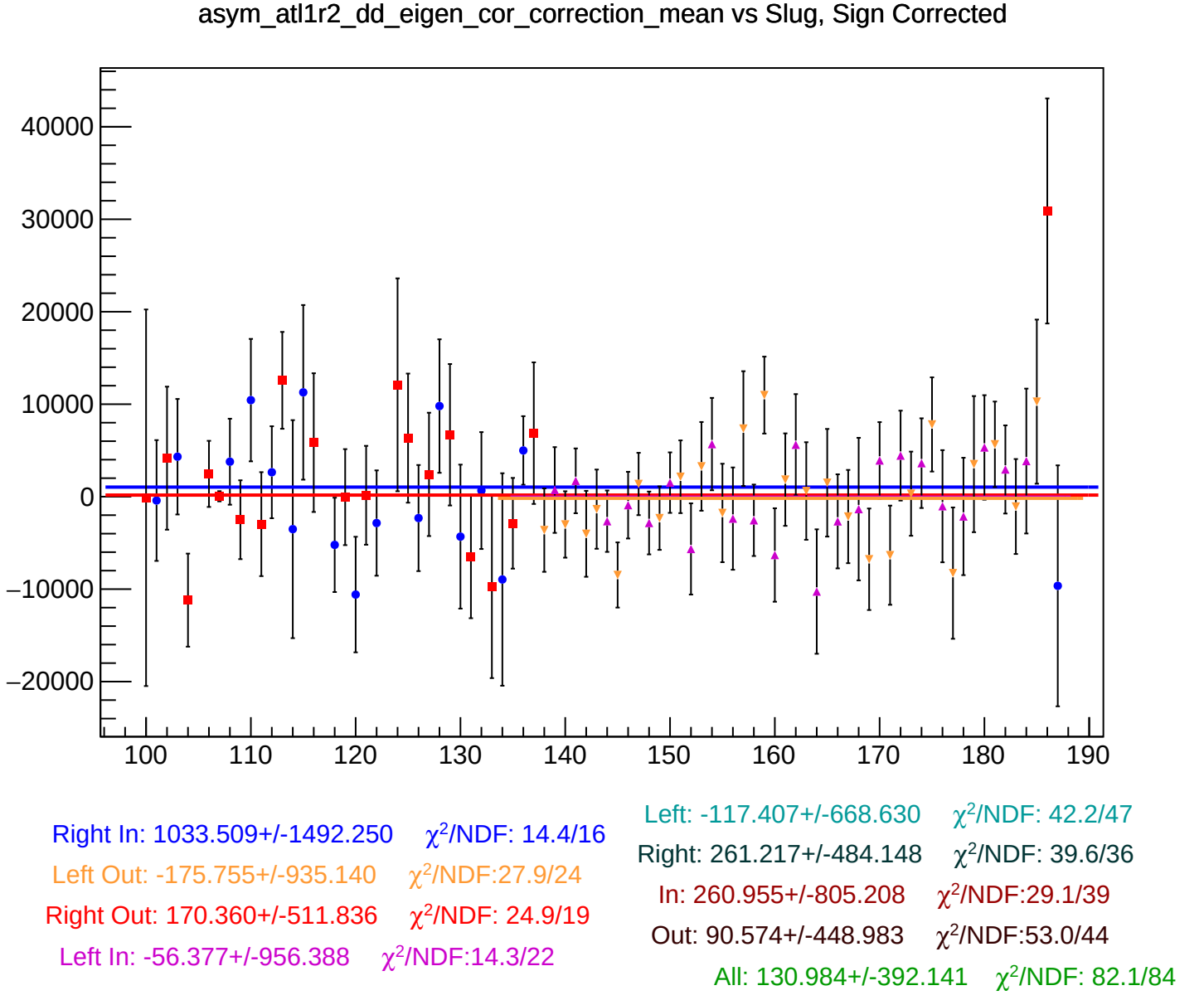
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1871.914+/-0.343 χ^2/NDF: 623102.8/36

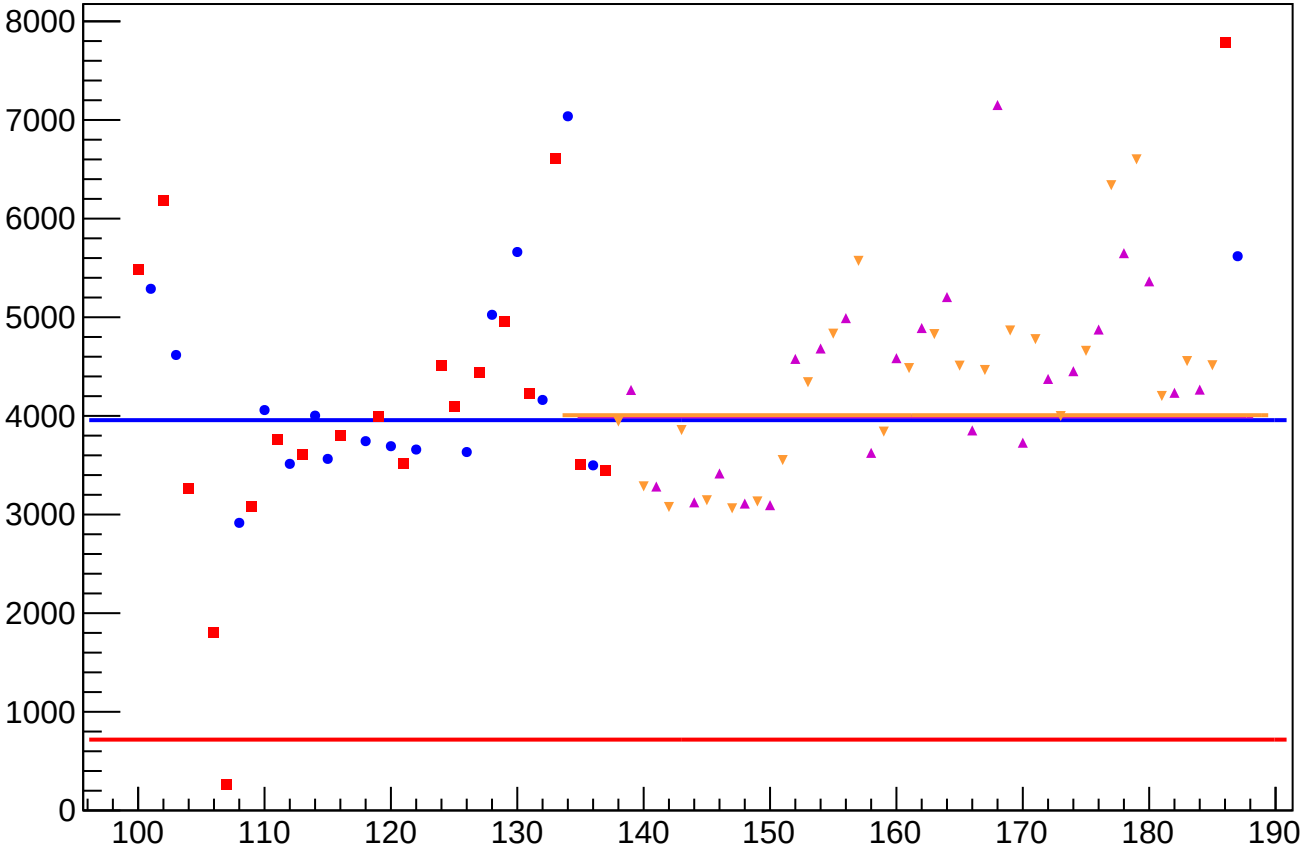
In: 1736.171+/-0.243 χ^2/NDF:356925.3/39

Out: 1750.849+/-0.239 χ^2/NDF:531784.1/44

All: 1743.630+/-0.170 χ^2/NDF: 890569.4/84


asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1033.509+/-1492.250 χ²/NDF: 14.4/16
Left Out: -175.755+/-935.140 χ²/NDF:27.9/24
Right Out: 170.360+/-511.836 χ²/NDF: 24.9/19
Left In: -56.377+/-956.388 χ²/NDF:14.3/22
Left: -117.407+/-668.630 χ²/NDF: 42.2/47
Right: 261.217+/-484.148 χ²/NDF: 39.6/36
In: 260.955+/-805.208 χ²/NDF:29.1/39
Out: 90.574+/-448.983 χ²/NDF:53.0/44
All: 130.984+/-392.141 χ²/NDF: 82.1/84

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3956.815+/-1.055 χ^2/NDF: 593120.7/16

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 718.150+/-0.362 χ^2/NDF: 11423703.5/19

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

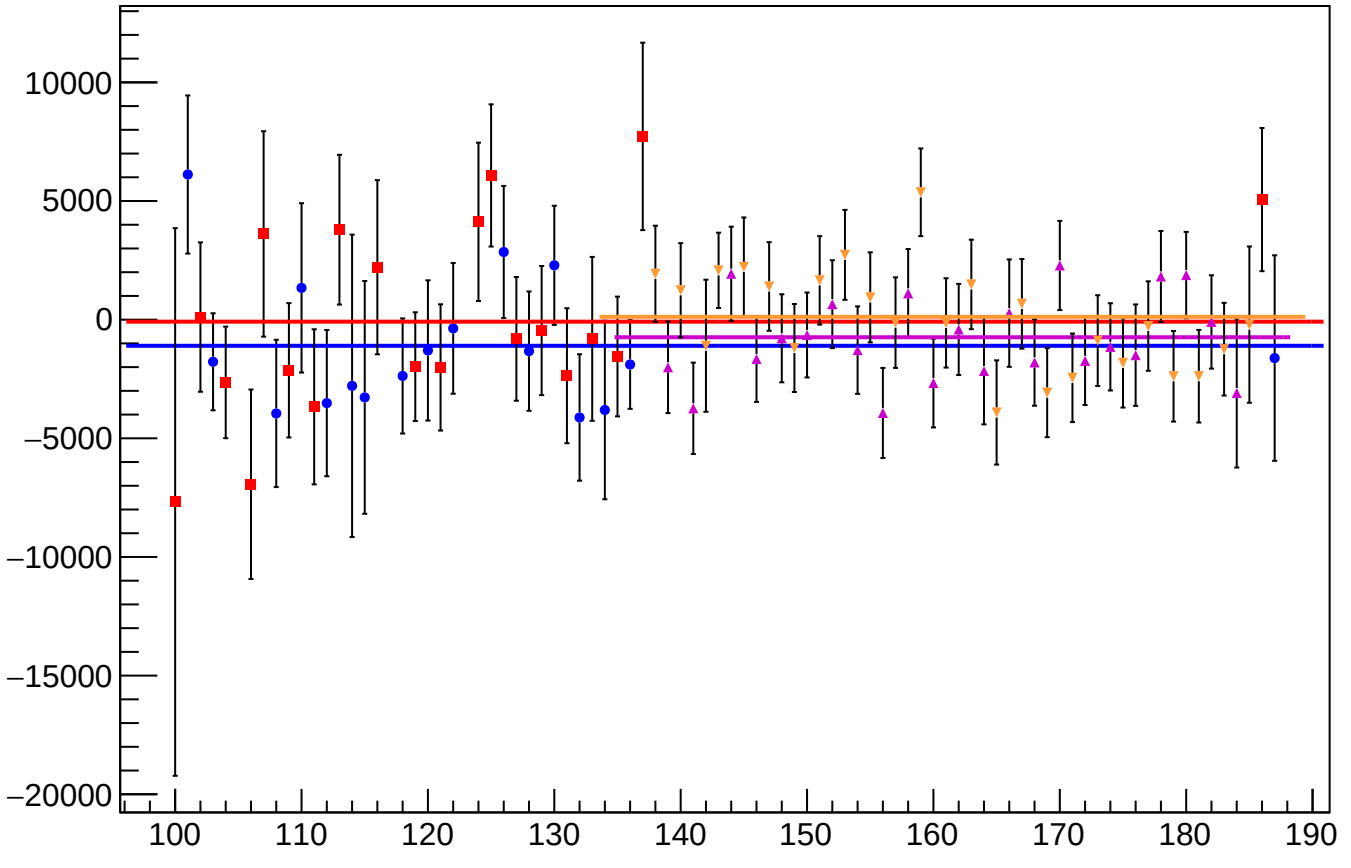
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1059.060+/-0.342 χ^2/NDF: 20445791.9/36

In: 3983.863+/-0.569 χ^2/NDF:2132146.1/39

Out: 1476.289+/-0.317 χ^2/NDF:31962734.9/44

All: 2071.022+/-0.277 χ^2/NDF: 48890945.3/8



Right In: -1101.214+/-690.623 χ^2/NDF: 13.2/16

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -84.451+/-681.572 χ^2/NDF: 23.9/19

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

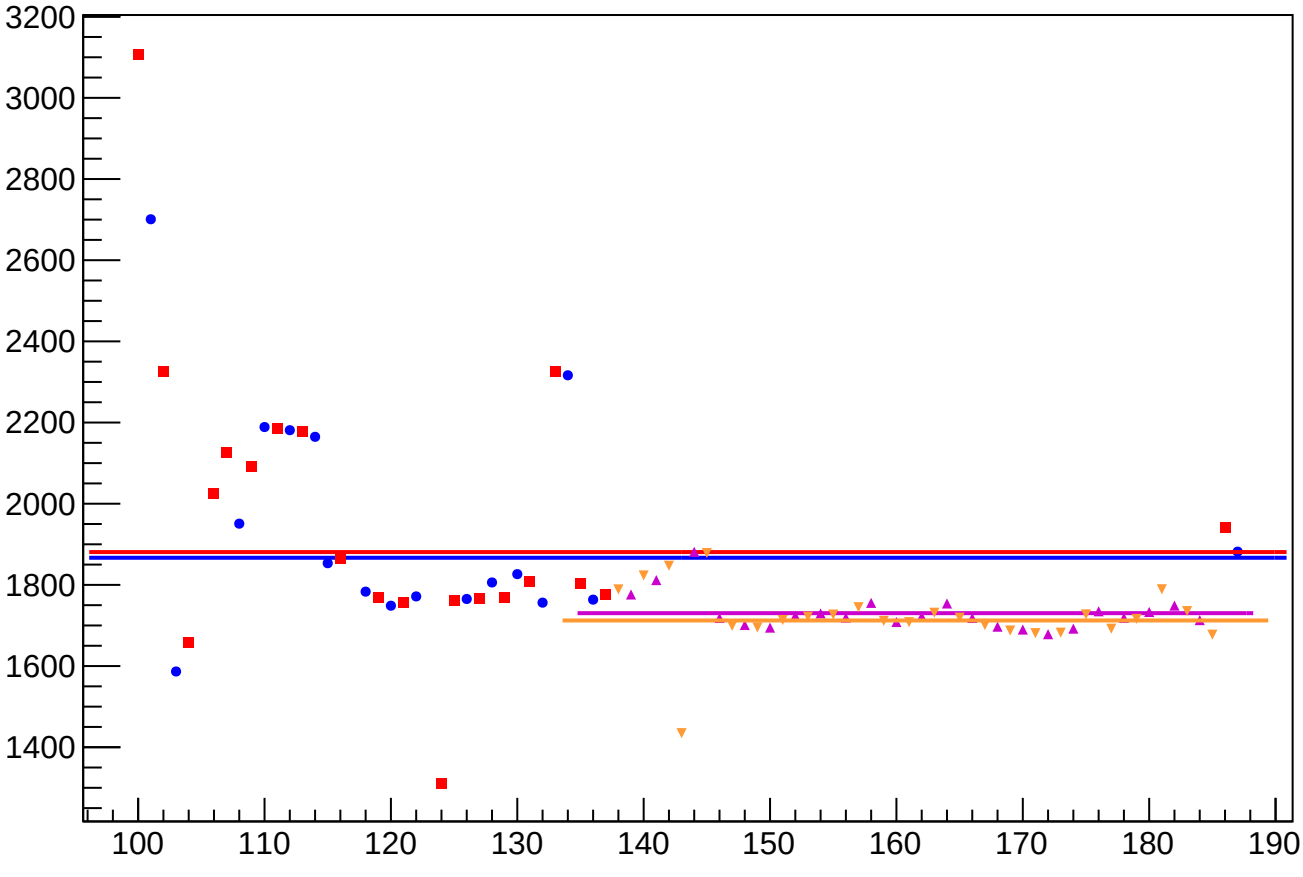
Right: -586.126+/-485.113 χ^2/NDF: 38.2/36

In: -833.035+/-348.820 χ^2/NDF:32.4/39

Out: 69.645+/-338.147 χ^2/NDF:53.7/44

All: -367.674+/-242.791 χ^2/NDF: 89.5/84

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.849+/-0.488 χ^2/NDF: 256287.2/16

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1880.863+/-0.482 χ^2/NDF: 252674.8/19

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

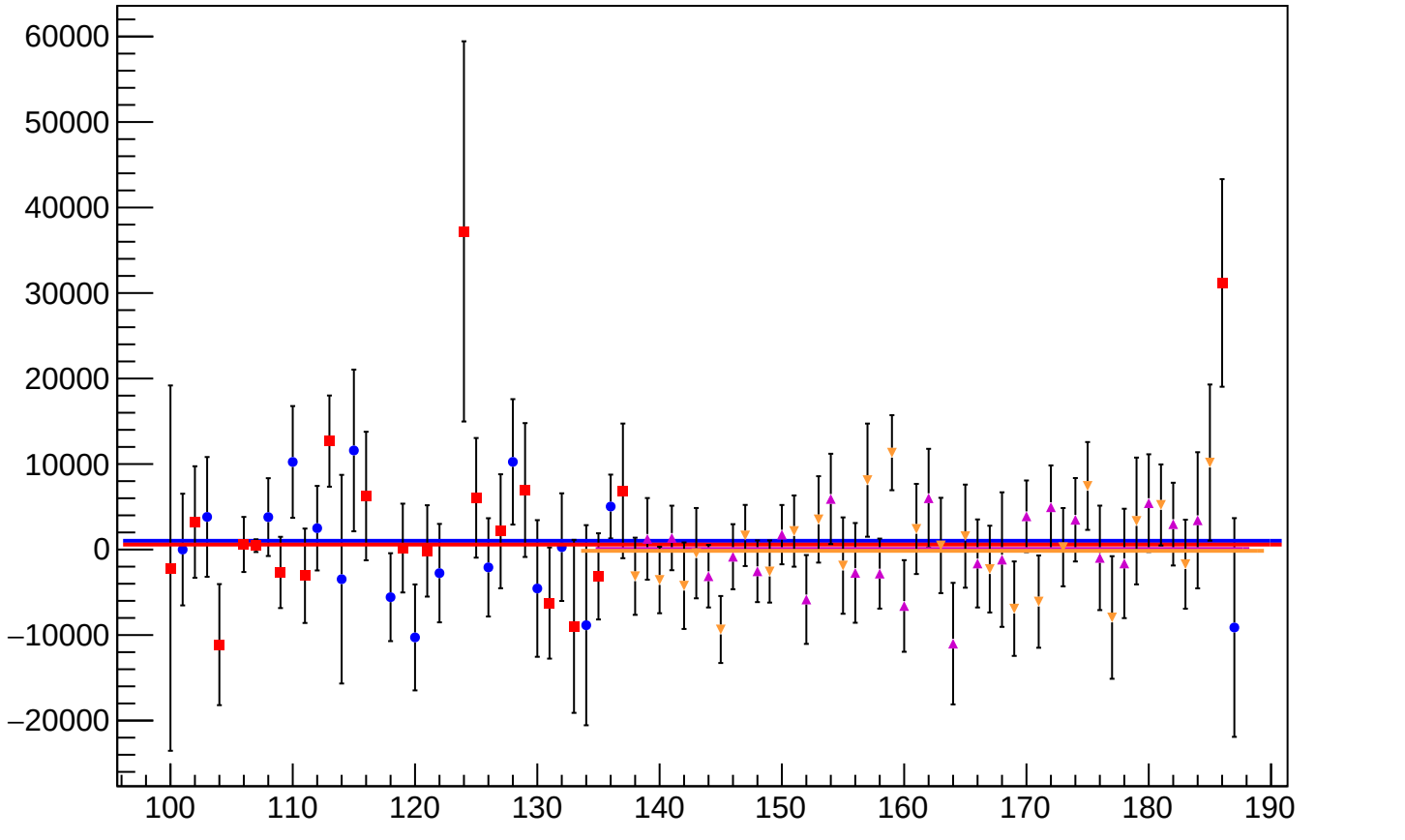
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1873.954+/-0.343 χ^2/NDF: 509379.6/36

In: 1765.166+/-0.247 χ^2/NDF:337567.1/39

Out: 1753.847+/-0.239 χ^2/NDF:439391.4/44

All: 1759.329+/-0.172 χ^2/NDF: 778044.3/84



Right In: 1019.438+/-1501.765 χ^2/NDF: 14.3/16

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 582.929+/-657.544 χ^2/NDF: 23.3/19

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

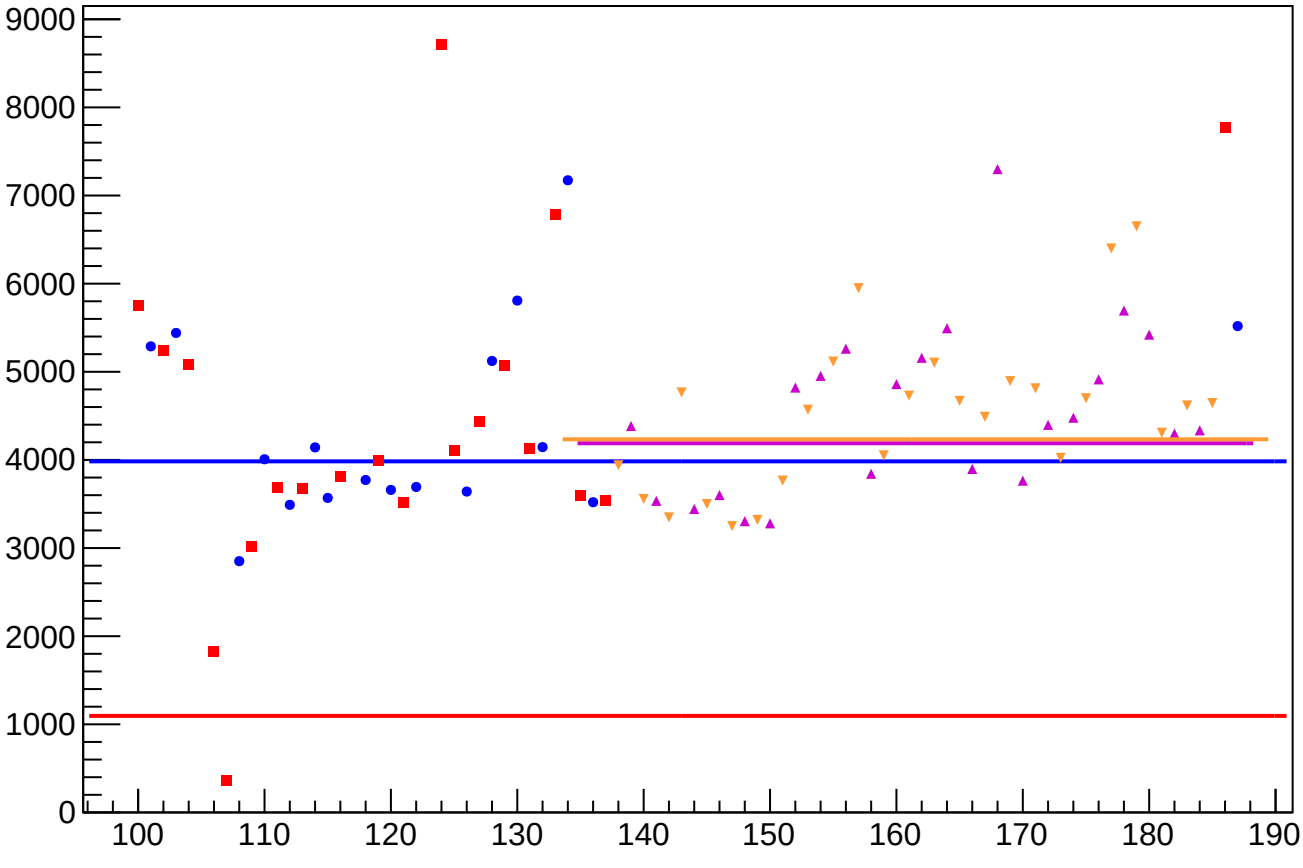
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 653.150+/-602.337 χ^2/NDF: 37.7/36

In: 358.356+/-832.413 χ^2/NDF:28.6/39

Out: 356.938+/-546.882 χ^2/NDF:50.6/44

All: 357.366+/-457.065 χ^2/NDF: 79.1/84



Right In: 3983.821+/-1.062 χ^2/NDF: 697536.1/16

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1095.585+/-0.465 χ^2/NDF: 10164068.8/19

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

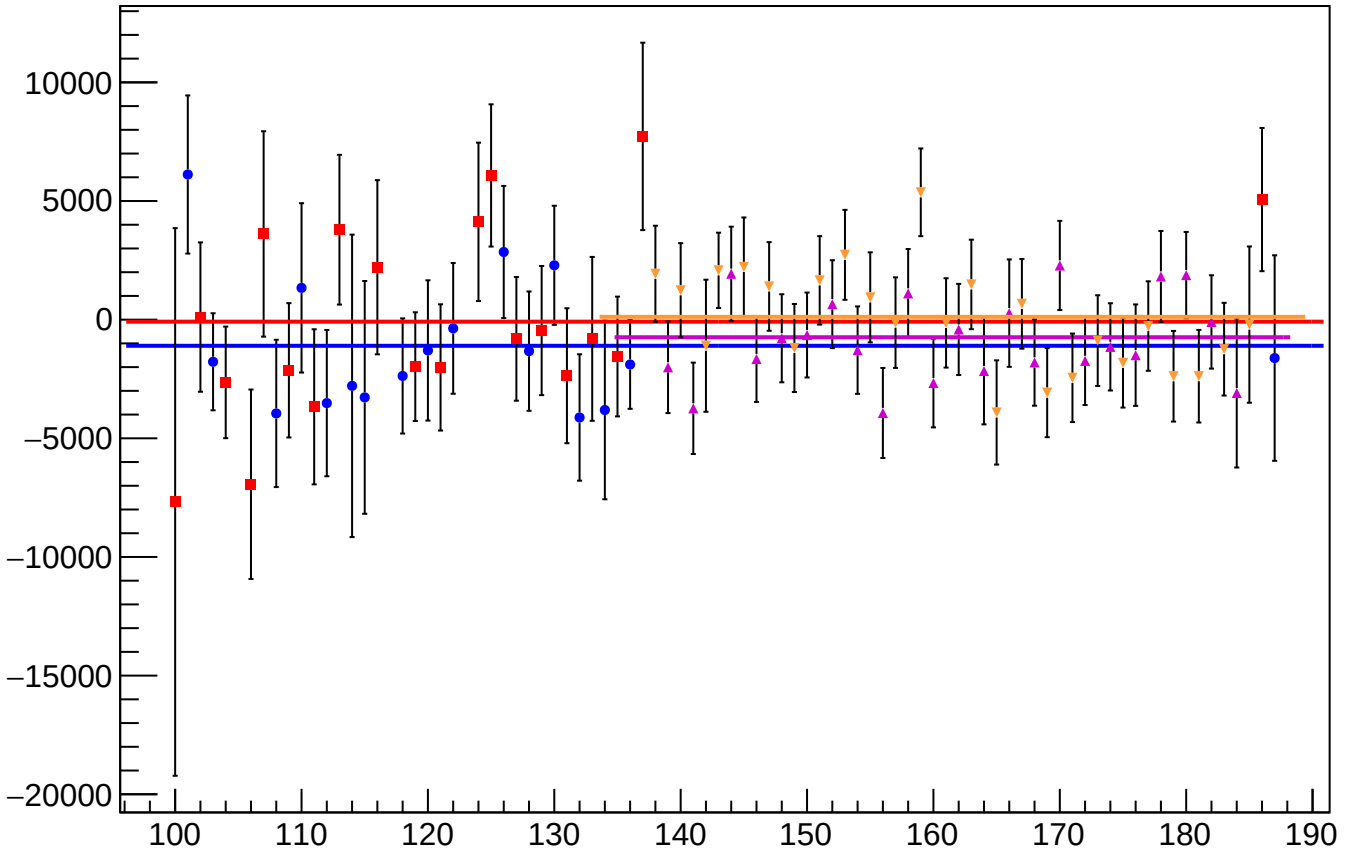
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1560.215+/-0.426 χ^2/NDF: 17069160.2/36

In: 4125.874+/-0.589 χ^2/NDF:2067969.3/39

Out: 2063.029+/-0.387 χ^2/NDF:25493269.3/44

All: 2684.966+/-0.323 χ^2/NDF: 36140613.0/8



Right In: -1101.219+/-690.623 χ^2/NDF: 13.2/16

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -84.461+/-681.572 χ^2/NDF: 23.9/19

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

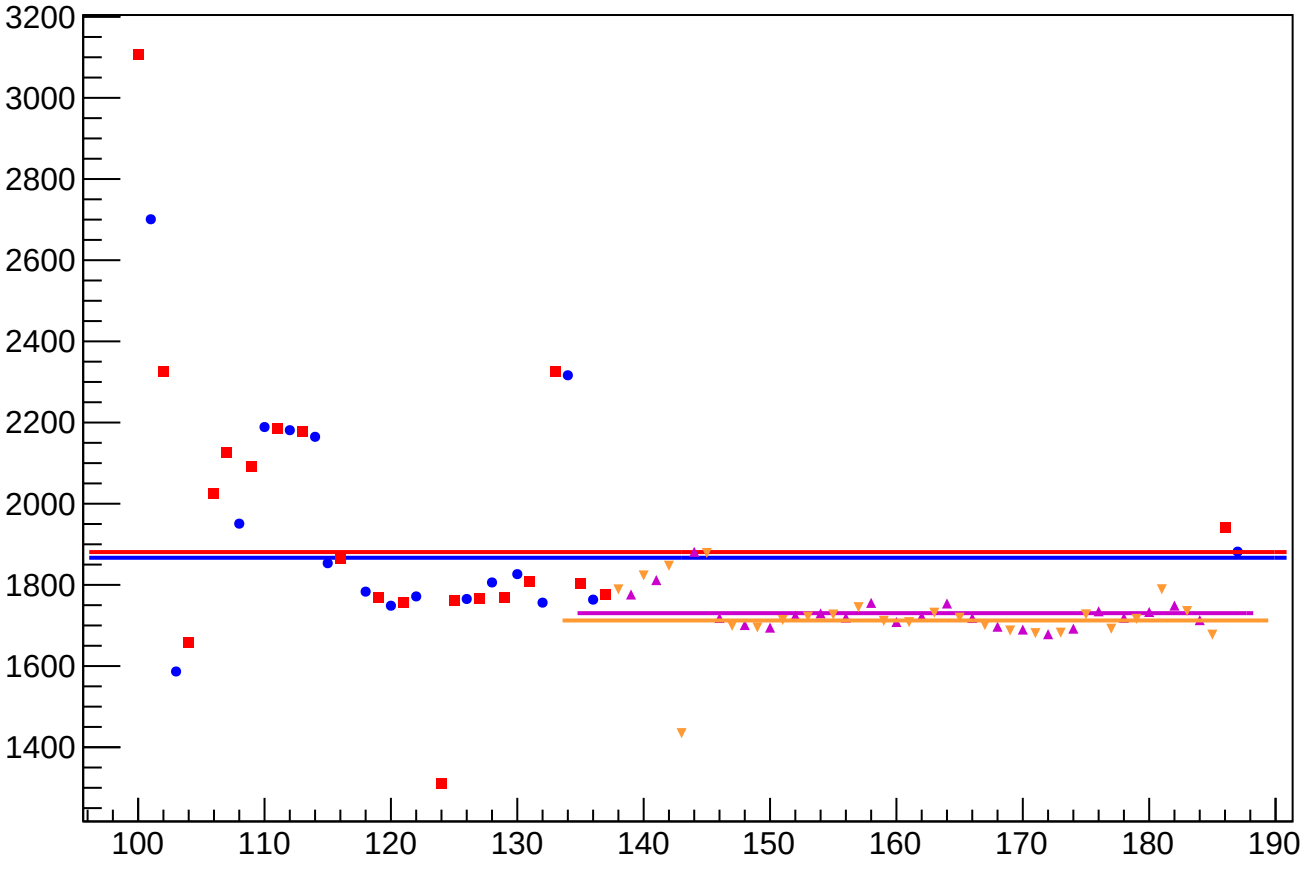
Right: -586.134+/-485.113 χ^2/NDF: 38.2/36

In: -833.035+/-348.820 χ^2/NDF:32.4/39

Out: 69.644+/-338.147 χ^2/NDF:53.7/44

All: -367.674+/-242.792 χ^2/NDF: 89.5/84

eigen_dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.849+/-0.488 χ^2/NDF: 256287.1/16

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1880.863+/-0.482 χ^2/NDF: 252675.1/19

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

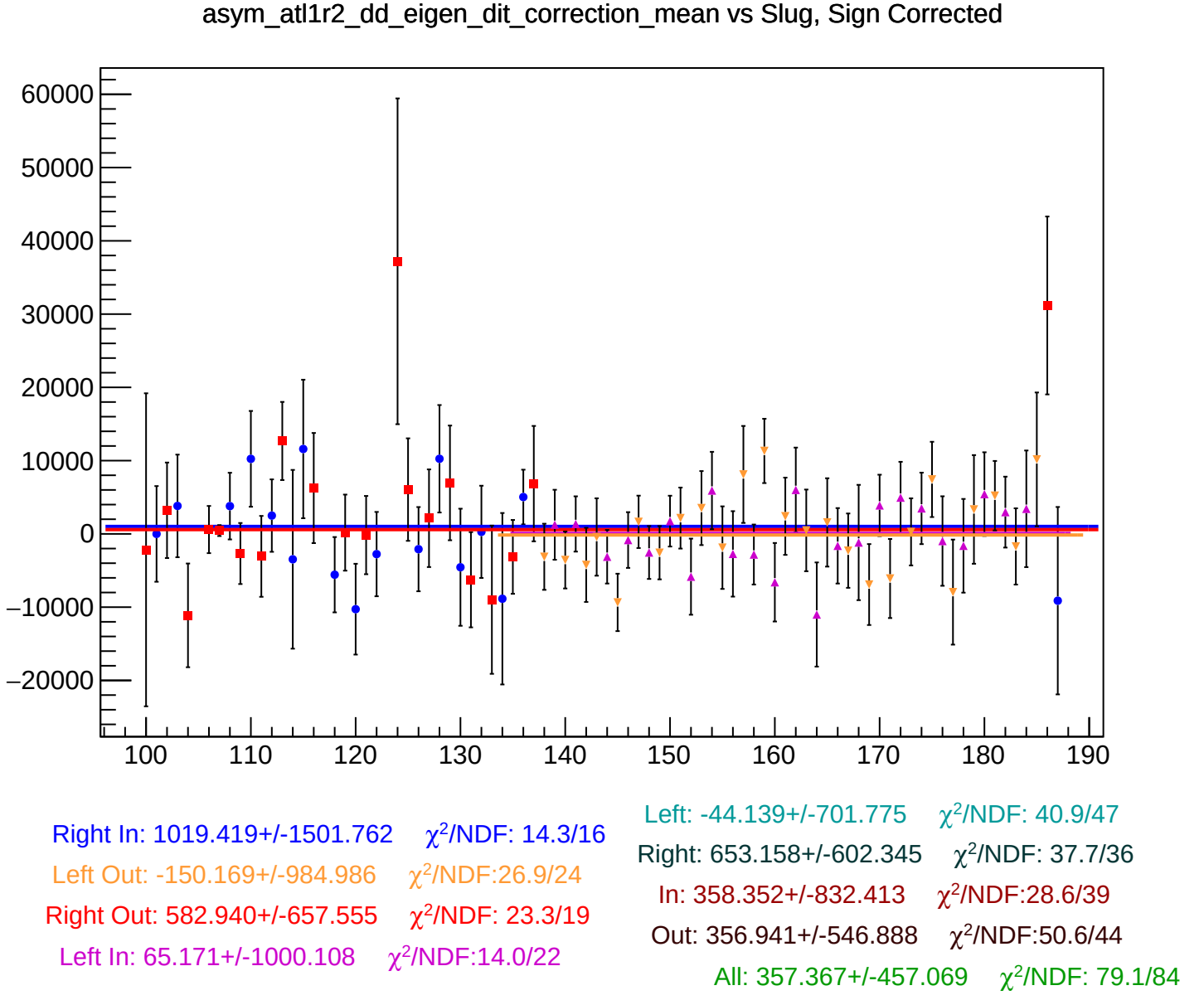
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

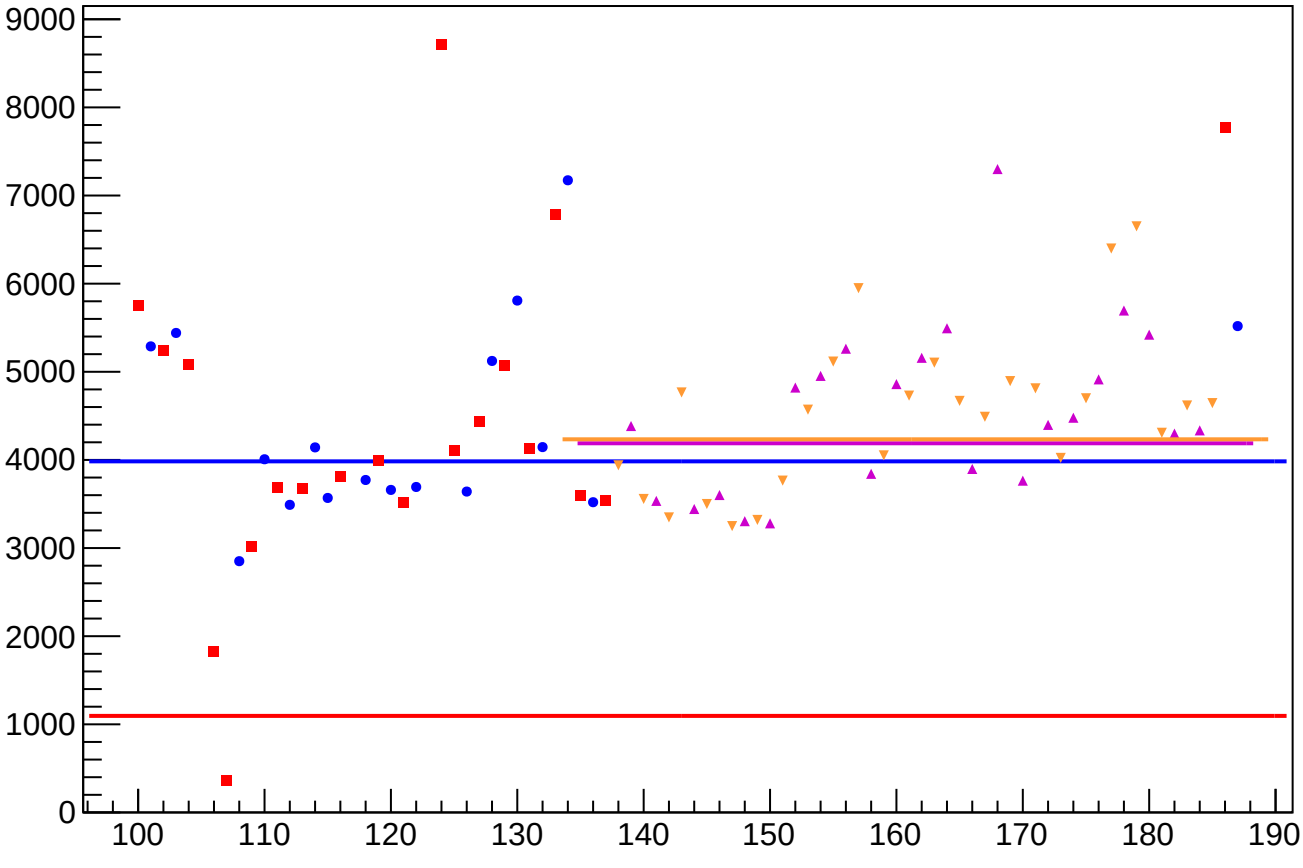
Right: 1873.954+/-0.343 χ^2/NDF: 509379.8/36

In: 1765.166+/-0.247 χ^2/NDF:337566.3/39

Out: 1753.847+/-0.239 χ^2/NDF:439390.1/44

All: 1759.330+/-0.172 χ^2/NDF: 778042.2/84


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
170
180
190
Right In: 1019.419+/-1501.762 χ²/NDF: 14.3/16
Left Out: -150.169+/-984.986 χ²/NDF:26.9/24
Right Out: 582.940+/-657.555 χ²/NDF: 23.3/19
Left In: 65.171+/-1000.108 χ²/NDF:14.0/22
Left: -44.139+/-701.775 χ²/NDF: 40.9/47
Right: 653.158+/-602.345 χ²/NDF: 37.7/36
In: 358.352+/-832.413 χ²/NDF:28.6/39
Out: 356.941+/-546.888 χ²/NDF:50.6/44
All: 357.367+/-457.069 χ²/NDF: 79.1/84



Right In: 3983.814+/-1.062 χ^2/NDF: 697533.0/16

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1095.617+/-0.465 χ^2/NDF: 10163933.1/19

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

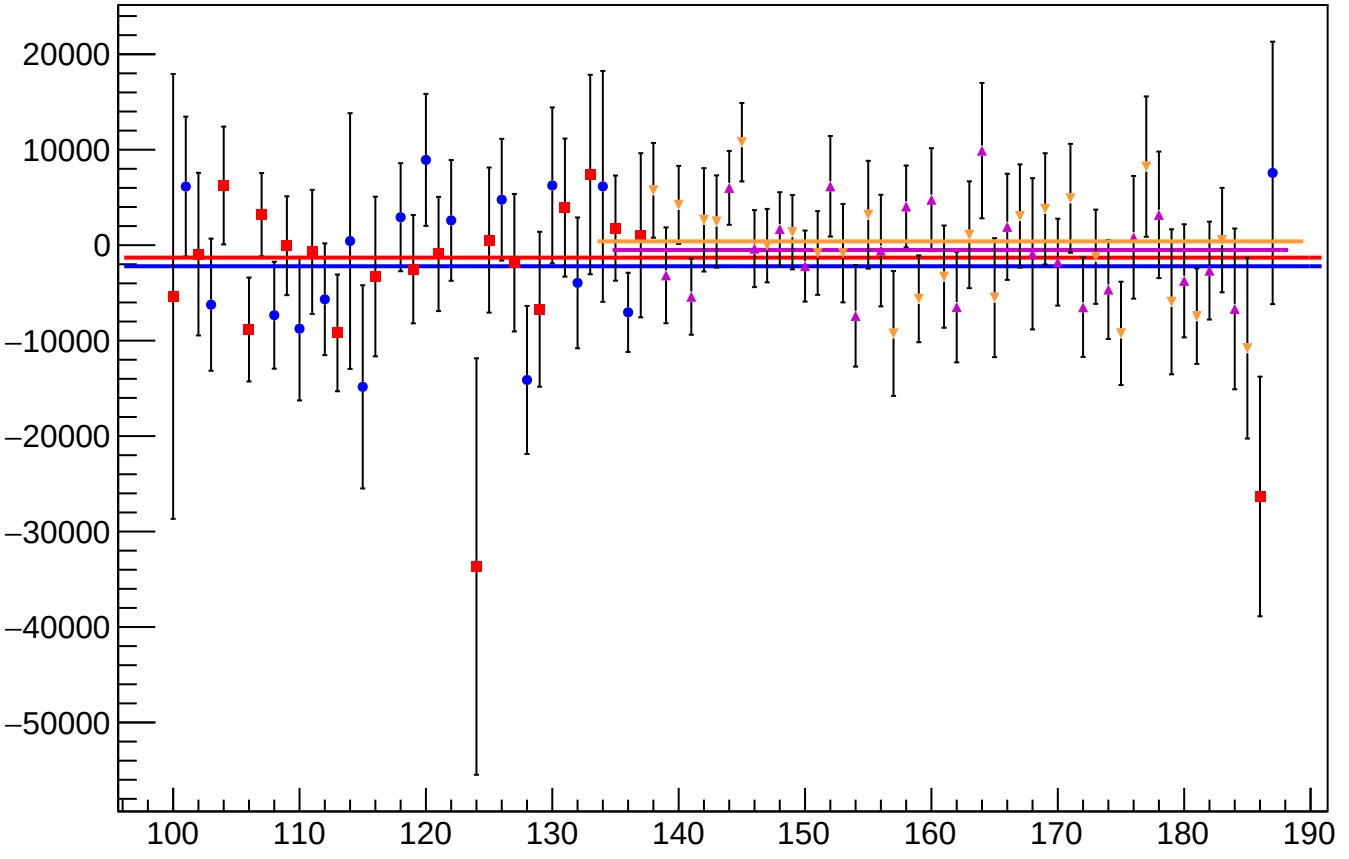
Right: 1560.255+/-0.426 χ^2/NDF: 17068844.6/36

In: 4125.876+/-0.589 χ^2/NDF:2067974.3/39

Out: 2063.073+/-0.387 χ^2/NDF:25492738.5/44

All: 2685.007+/-0.323 χ^2/NDF: 36139674.7/8

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2207.972+/-1672.273 χ^2/NDF: 16.1/16

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1304.879+/-1535.275 χ^2/NDF: 14.6/19

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

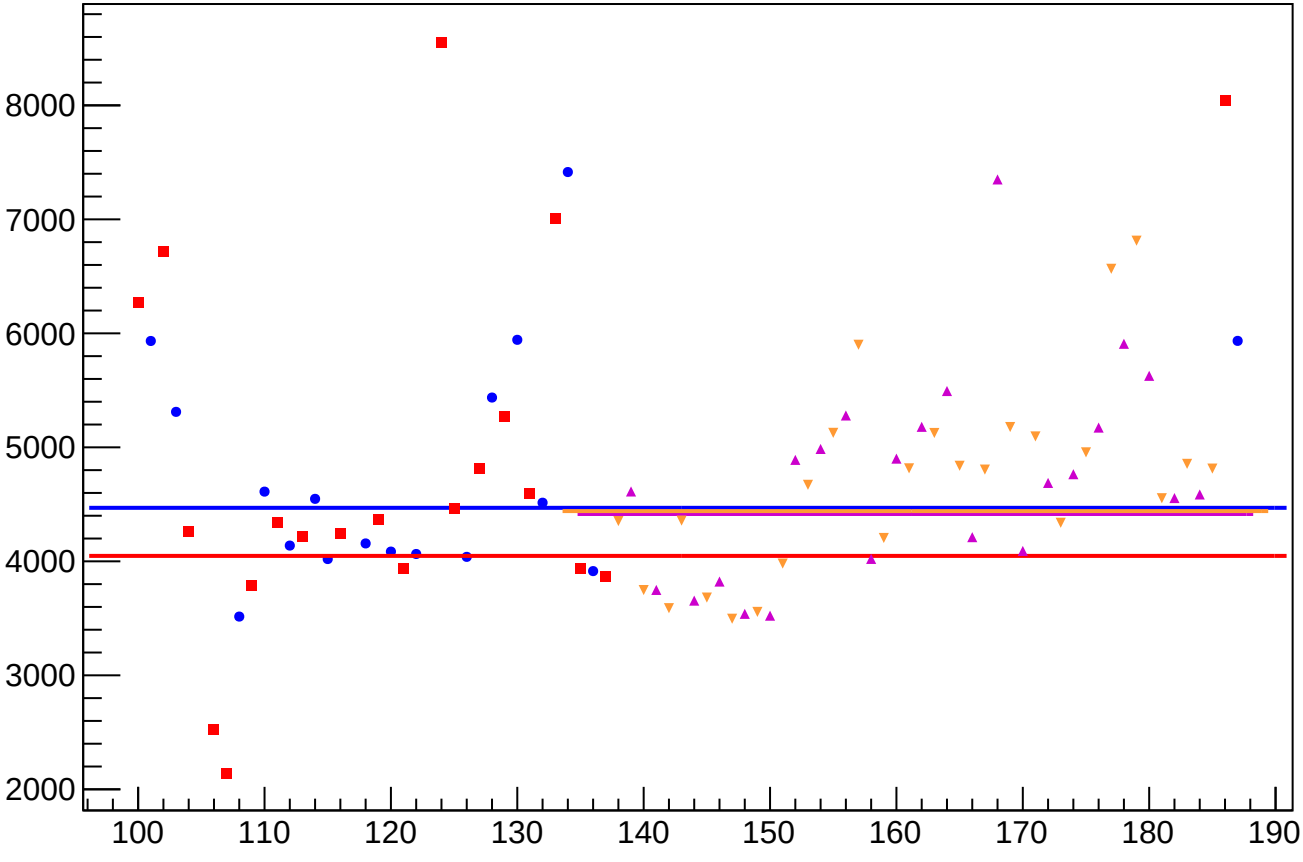
Right: -1717.924+/-1130.940 χ^2/NDF: 30.9/36

In: -984.896+/-889.049 χ^2/NDF:34.1/39

Out: -129.212+/-854.442 χ^2/NDF:40.2/44

All: -540.076+/-616.053 χ^2/NDF: 74.8/84

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4469.421+/-1.182 χ^2/NDF: 481290.8/16

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4047.676+/-1.075 χ^2/NDF: 1349211.4/19

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

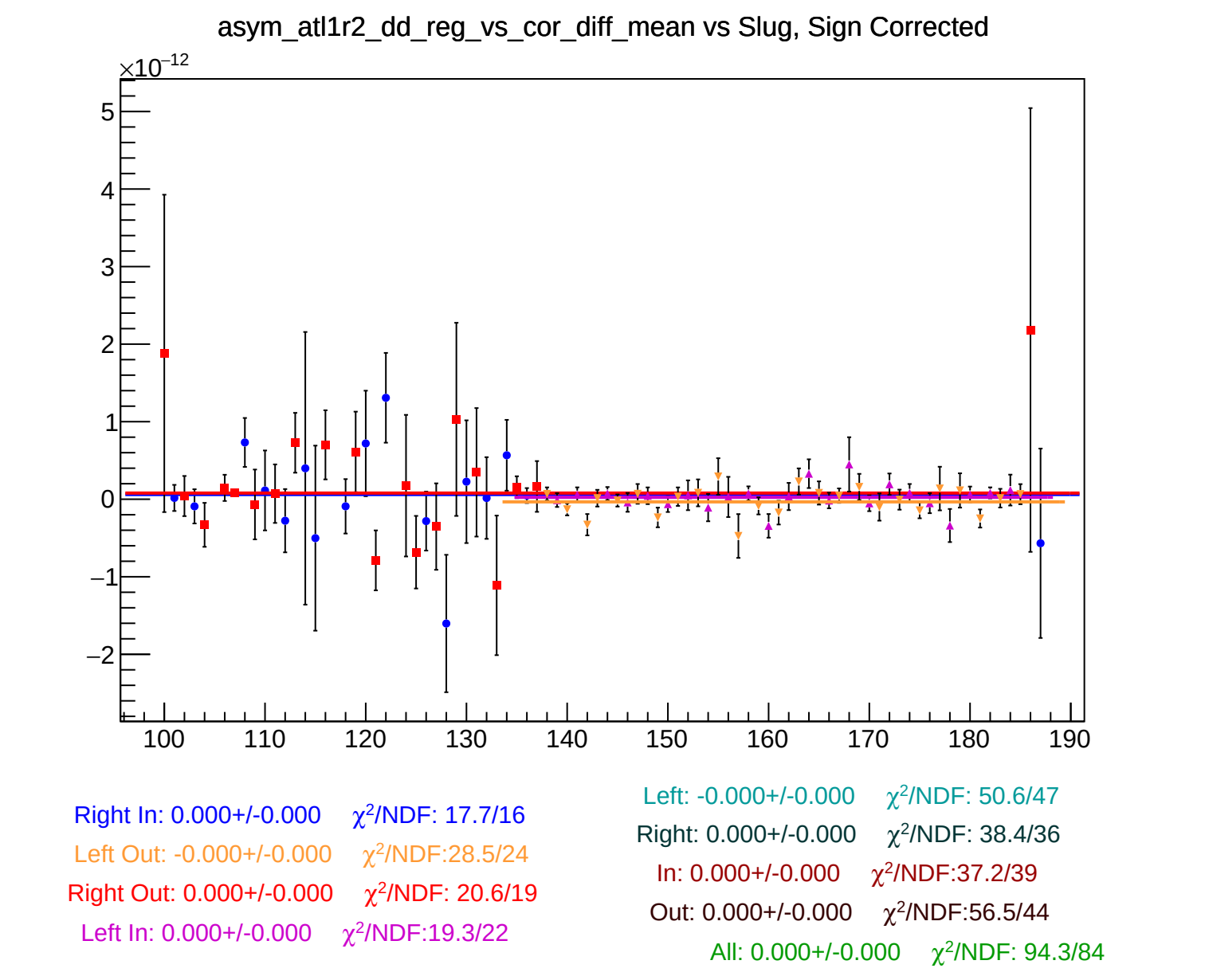
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

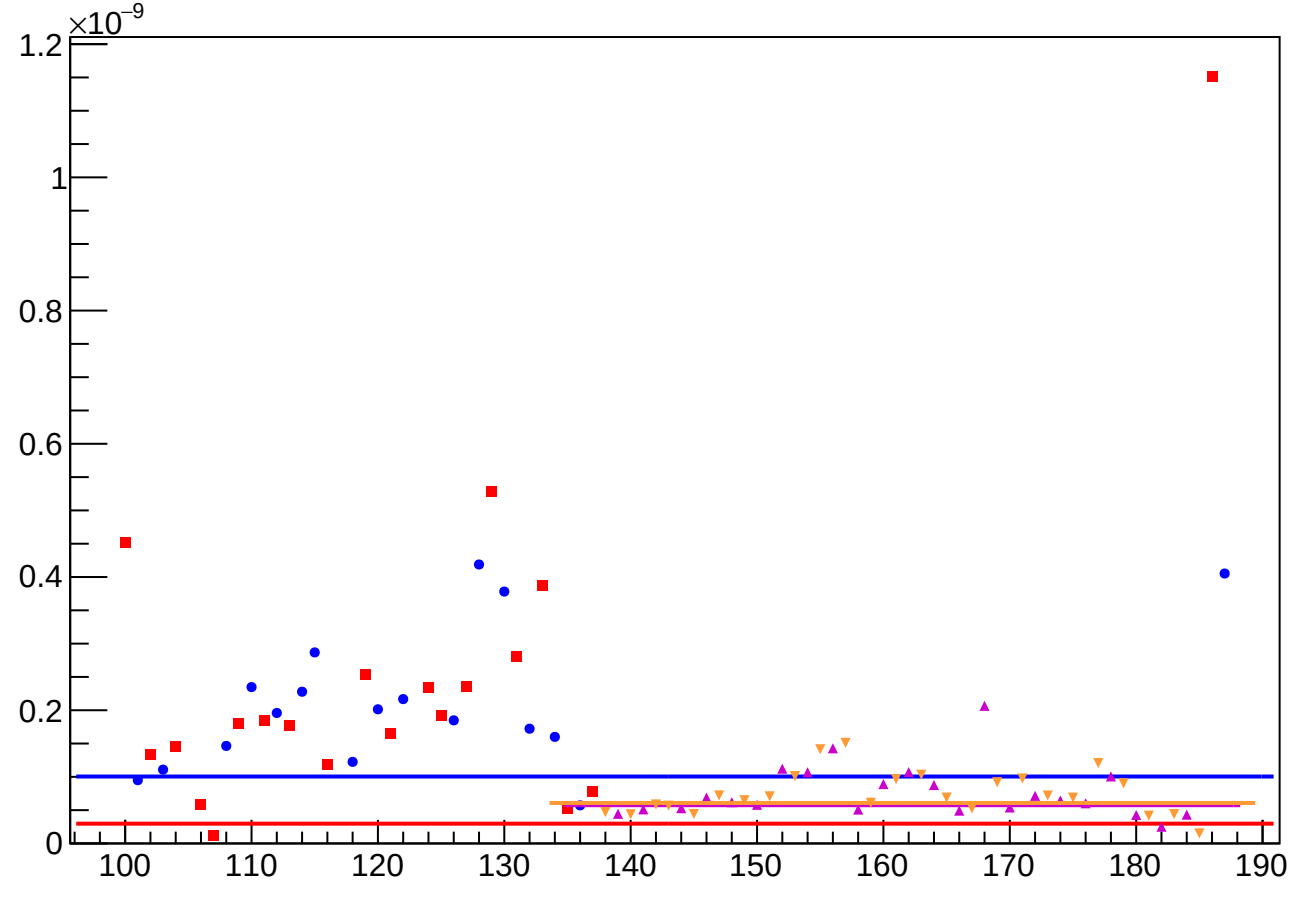
Right: 4238.514+/-0.795 χ^2/NDF: 1900149.0/36

In: 4430.644+/-0.629 χ^2/NDF:1594201.0/39

Out: 4317.385+/-0.602 χ^2/NDF:2514083.8/44

All: 4371.594+/-0.435 χ^2/NDF: 4125207.5/84


asym_atl1r2_dd_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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.7/16
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.6/19
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: -0.000+/-0.000 χ²/NDF: 50.6/47
Right: 0.000+/-0.000 χ²/NDF: 38.4/36
In: 0.000+/-0.000 χ²/NDF:37.2/39
Out: 0.000+/-0.000 χ²/NDF:56.5/44
All: 0.000+/-0.000 χ²/NDF: 94.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 1687842.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4670968.5/19

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

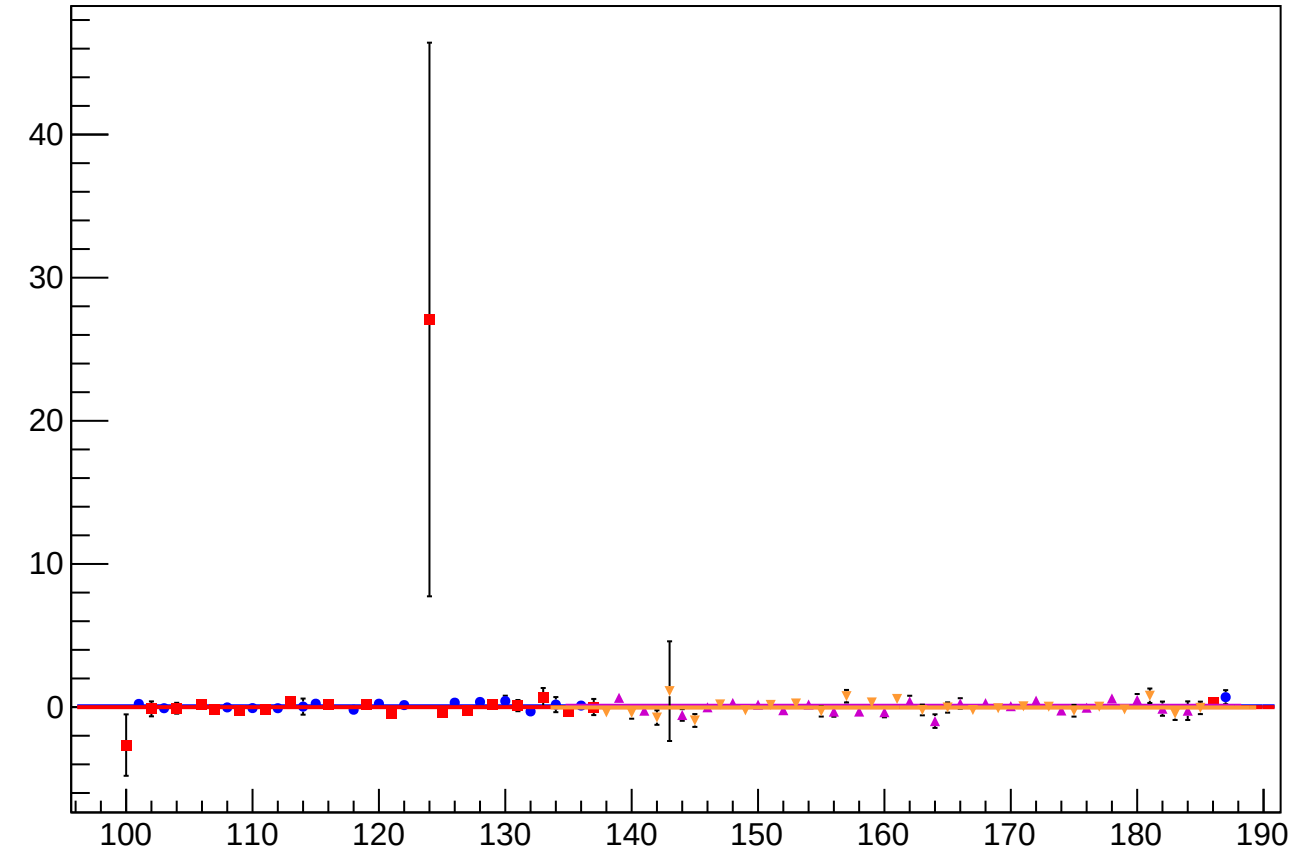
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 8107436.9/36

In: 0.000+/-0.000 χ^2/NDF:4275545.4/39

Out: 0.000+/-0.000 χ^2/NDF:7519432.0/44

All: 0.000+/-0.000 χ^2/NDF: 12140953.7/84



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.060 χ^2/NDF: 24.1/19

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

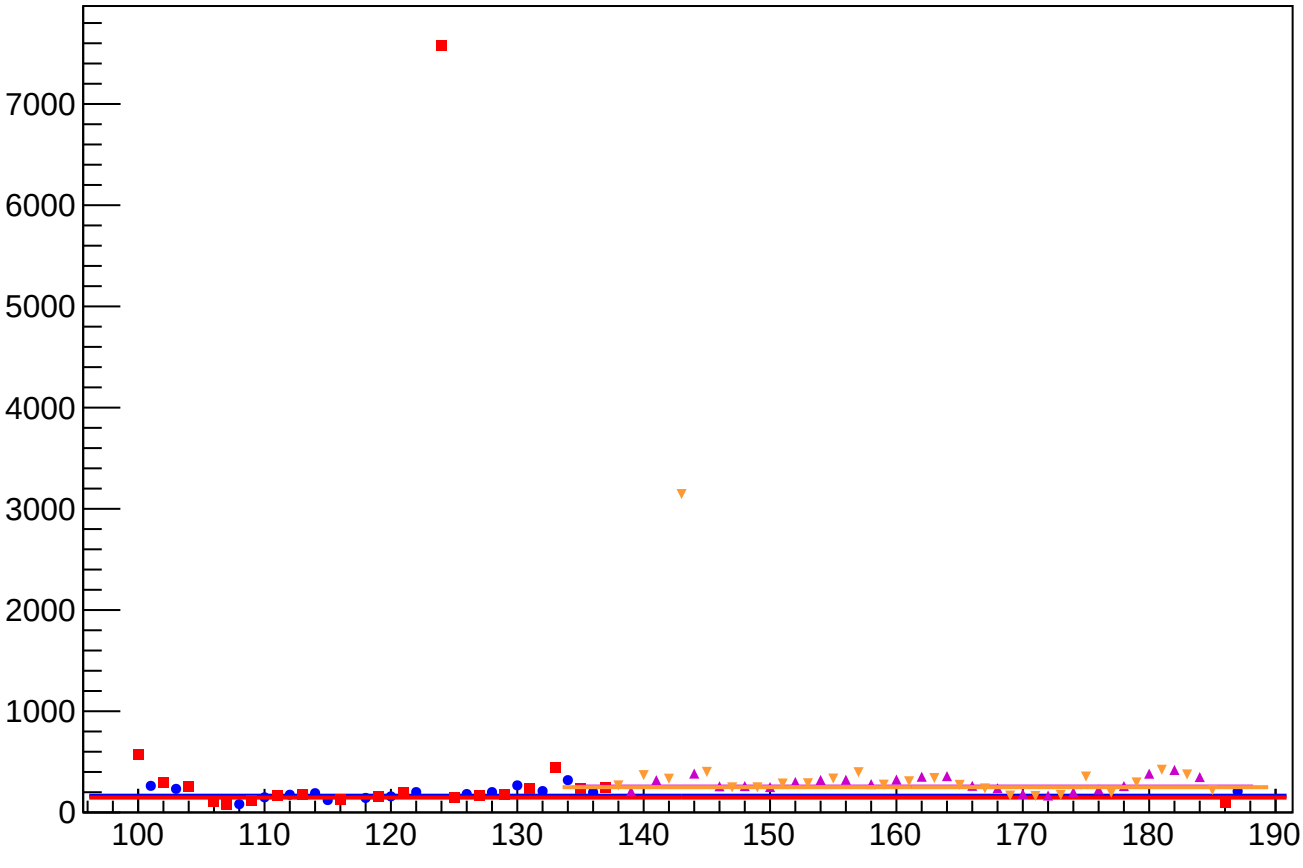
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.024+/-0.044 χ^2/NDF: 33.9/36

In: 0.078+/-0.046 χ^2/NDF:41.0/39

Out: -0.014+/-0.043 χ^2/NDF:47.7/44

All: 0.029+/-0.031 χ^2/NDF: 90.8/84



Right In: 165.674+/-0.047 χ^2/NDF: 1491436.5/16

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 146.661+/-0.042 χ^2/NDF: 2133357.3/19

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

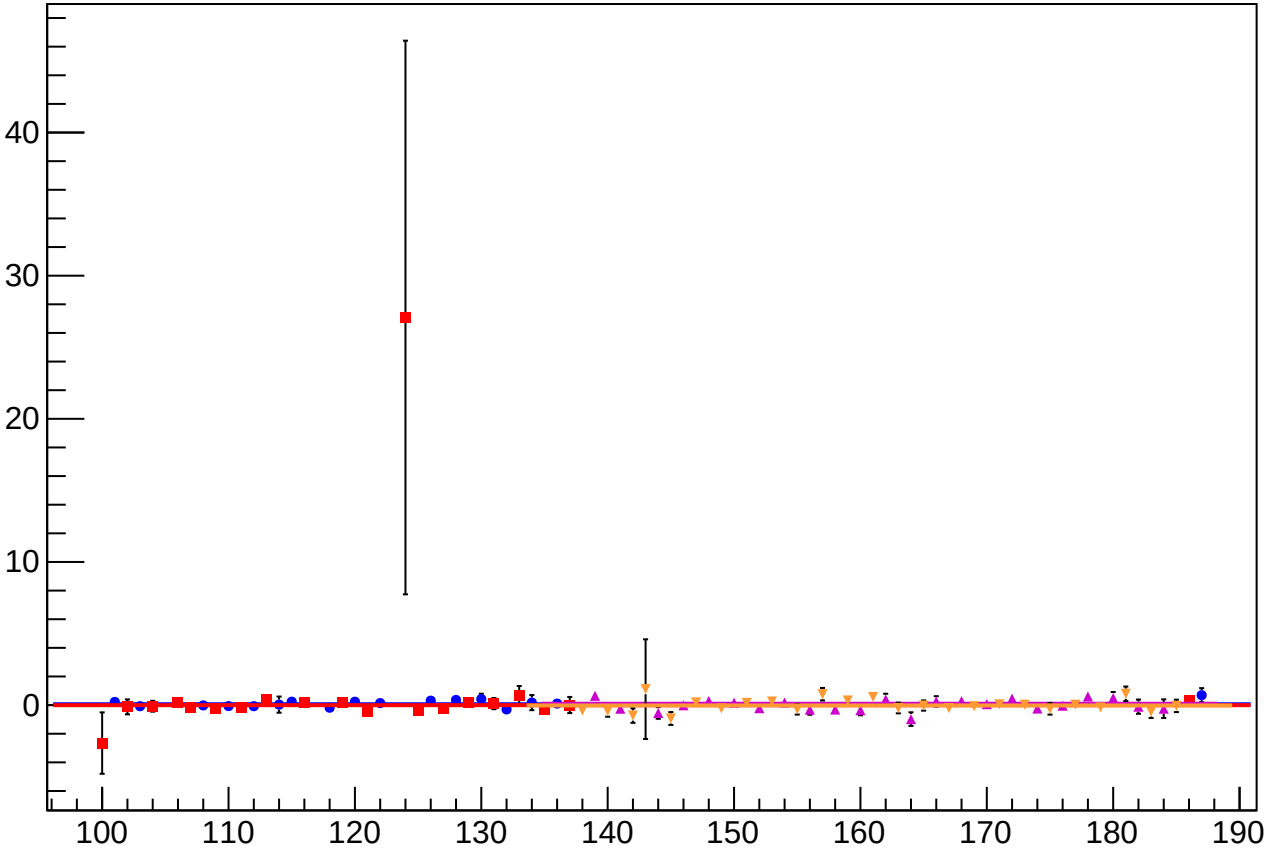
Right: 155.271+/-0.031 χ^2/NDF: 3716134.8/36

In: 212.440+/-0.032 χ^2/NDF:5538556.4/39

Out: 196.771+/-0.030 χ^2/NDF:9252811.0/44

All: 204.151+/-0.022 χ^2/NDF: 14916794.4/84

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.060 χ^2/NDF: 24.1/19

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

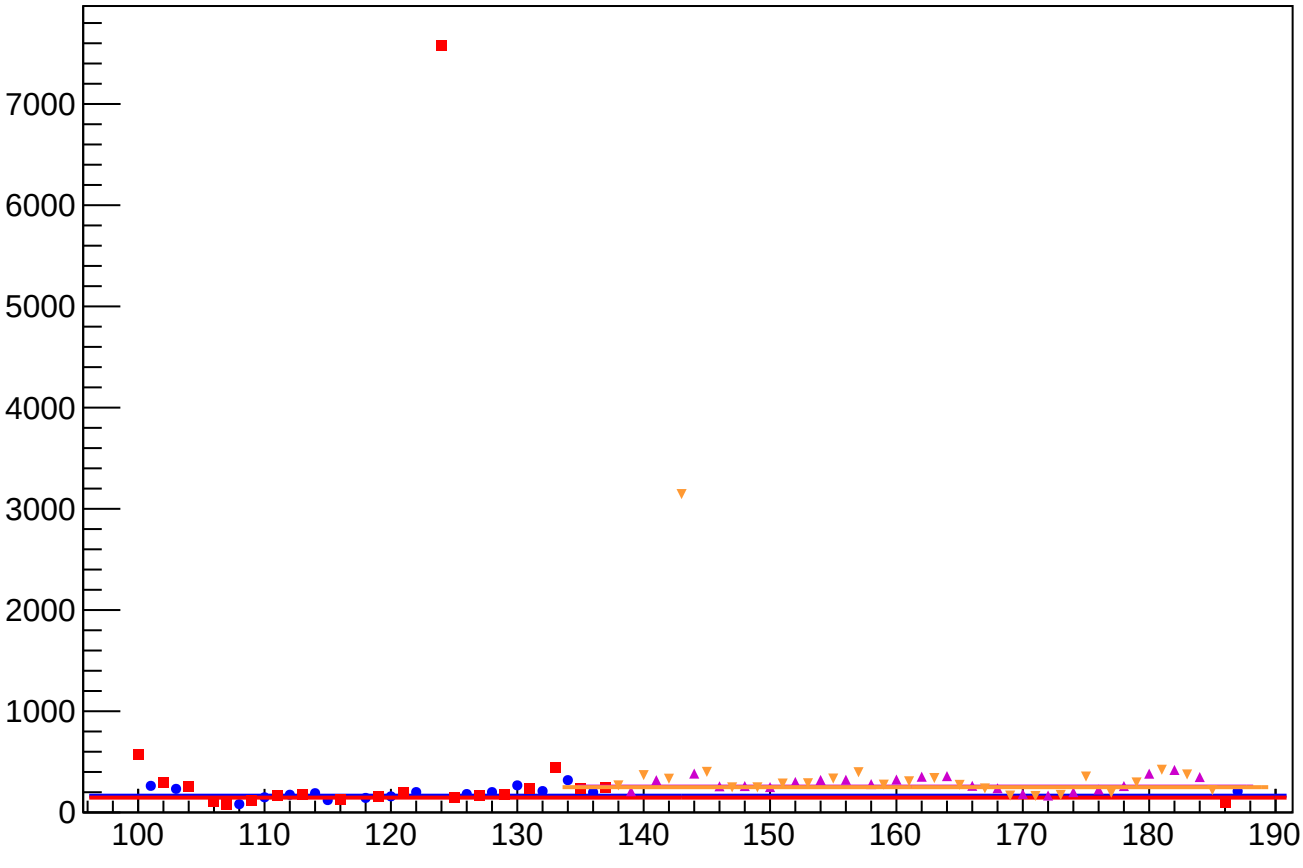
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.024+/-0.044 χ^2/NDF: 33.9/36

In: 0.078+/-0.046 χ^2/NDF:41.0/39

Out: -0.014+/-0.043 χ^2/NDF:47.7/44

All: 0.029+/-0.031 χ^2/NDF: 90.8/84



Right In: 165.674+/-0.047 χ^2/NDF: 1491436.5/16

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 146.661+/-0.042 χ^2/NDF: 2133357.3/19

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

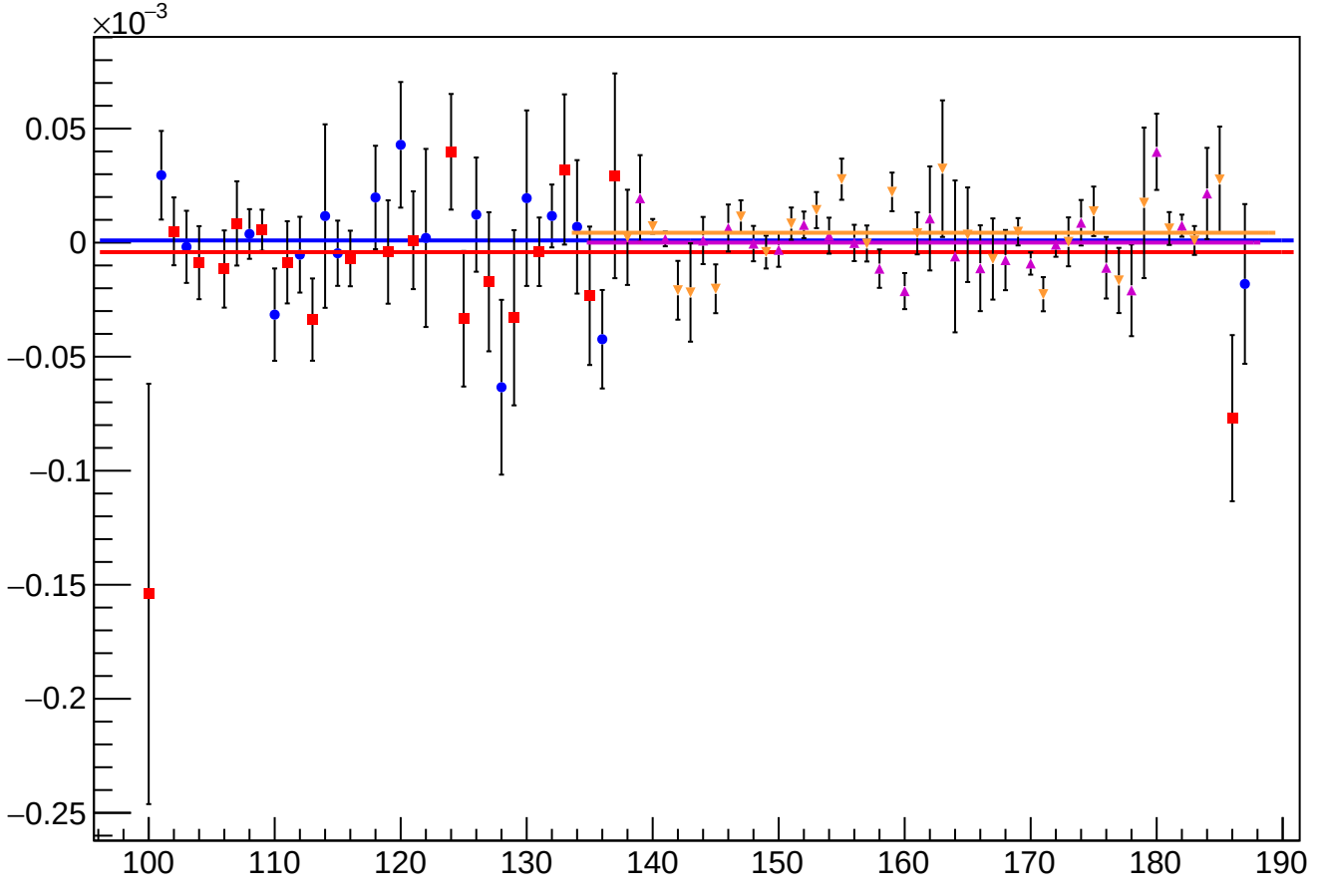
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 155.271+/-0.031 χ^2/NDF: 3716134.8/36

In: 212.440+/-0.032 χ^2/NDF:5538556.4/39

Out: 196.771+/-0.030 χ^2/NDF:9252811.0/44

All: 204.151+/-0.022 χ^2/NDF: 14916794.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/19

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

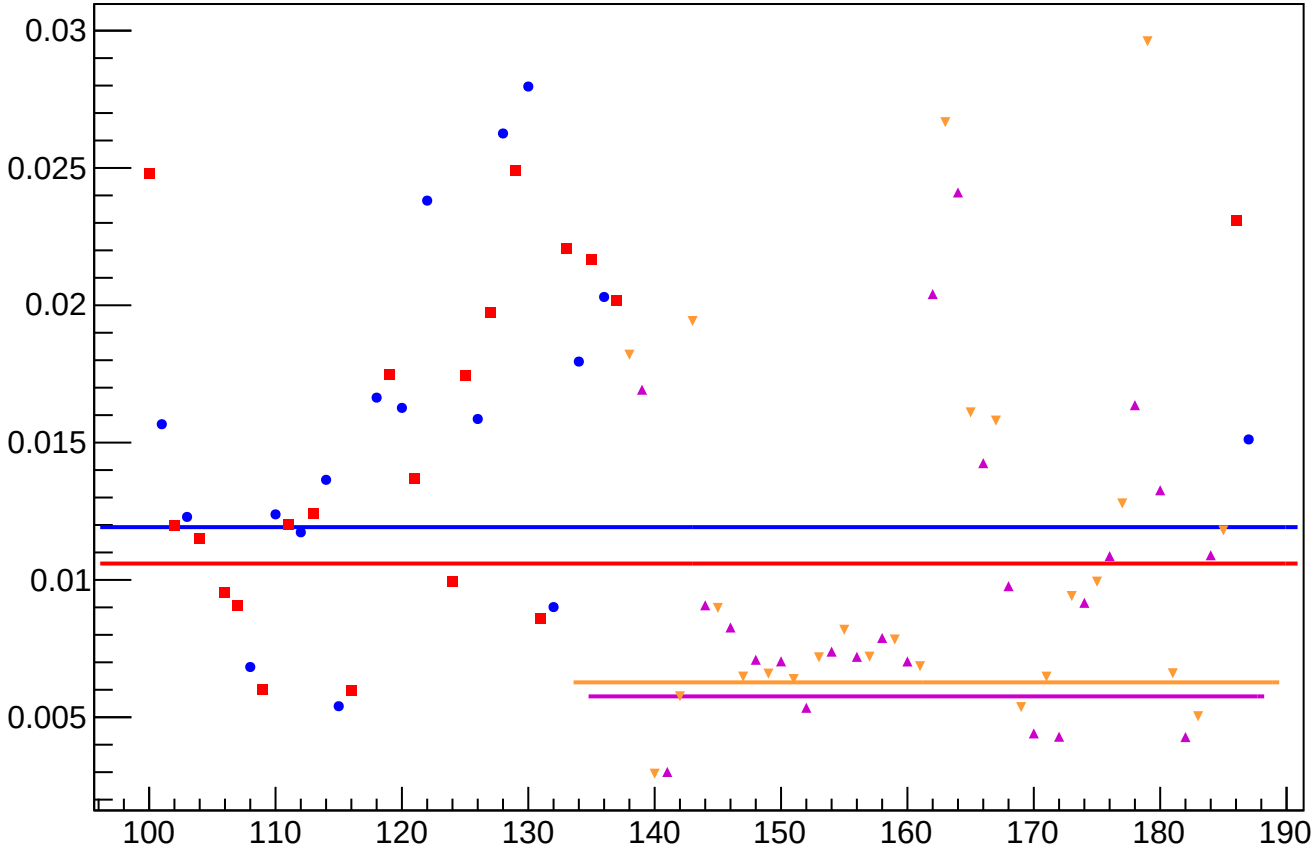
Right: -0.000+/-0.000 χ^2/NDF: 35.7/36

In: 0.000+/-0.000 χ^2/NDF:45.5/39

Out: 0.000+/-0.000 χ^2/NDF:68.2/44

All: 0.000+/-0.000 χ^2/NDF: 115.8/84

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2424146.6/16

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2593587.2/19

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

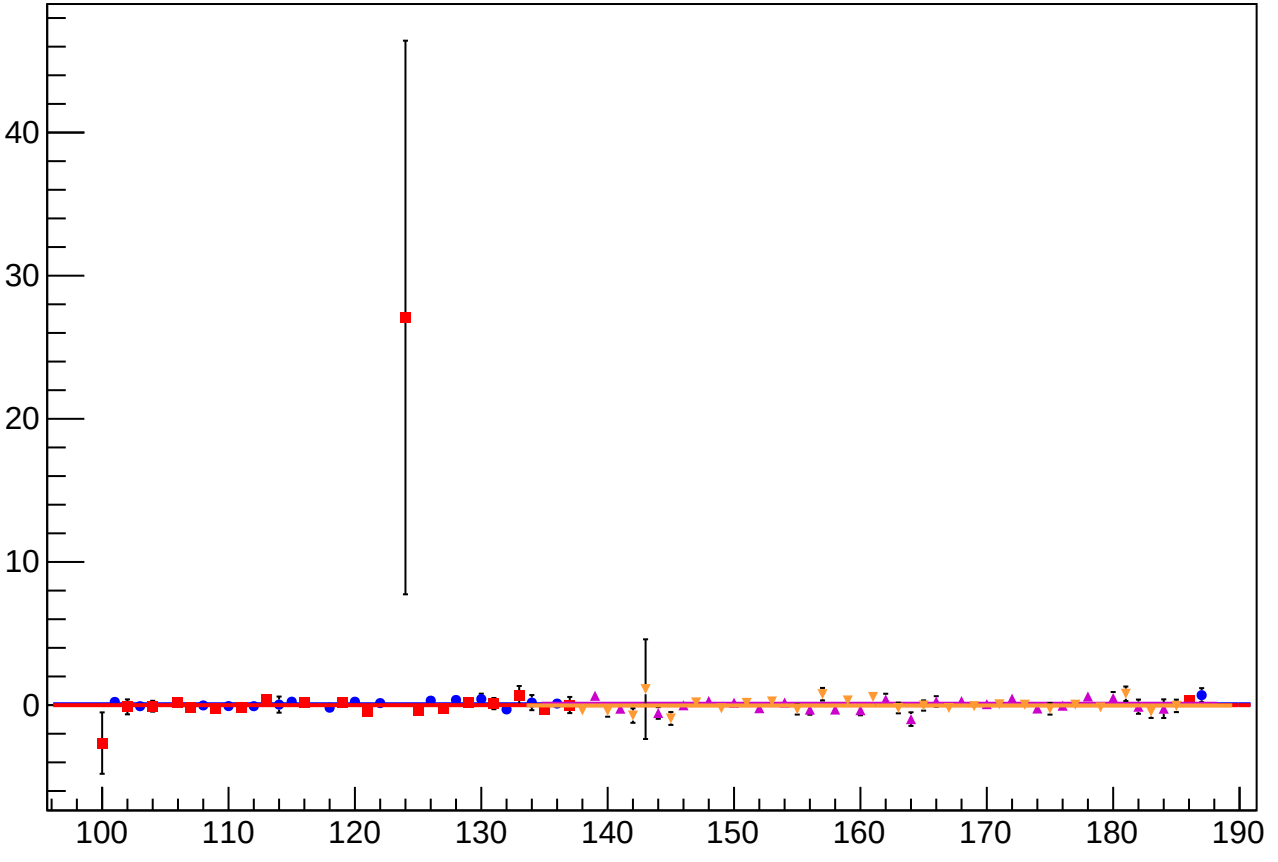
Right: 0.011+/-0.000 χ^2/NDF: 5103420.5/36

In: 0.006+/-0.000 χ^2/NDF:12449609.4/39

Out: 0.007+/-0.000 χ^2/NDF:12334010.6/44

All: 0.007+/-0.000 χ^2/NDF: 24887856.3/84

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.060 χ^2/NDF: 24.1/19

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

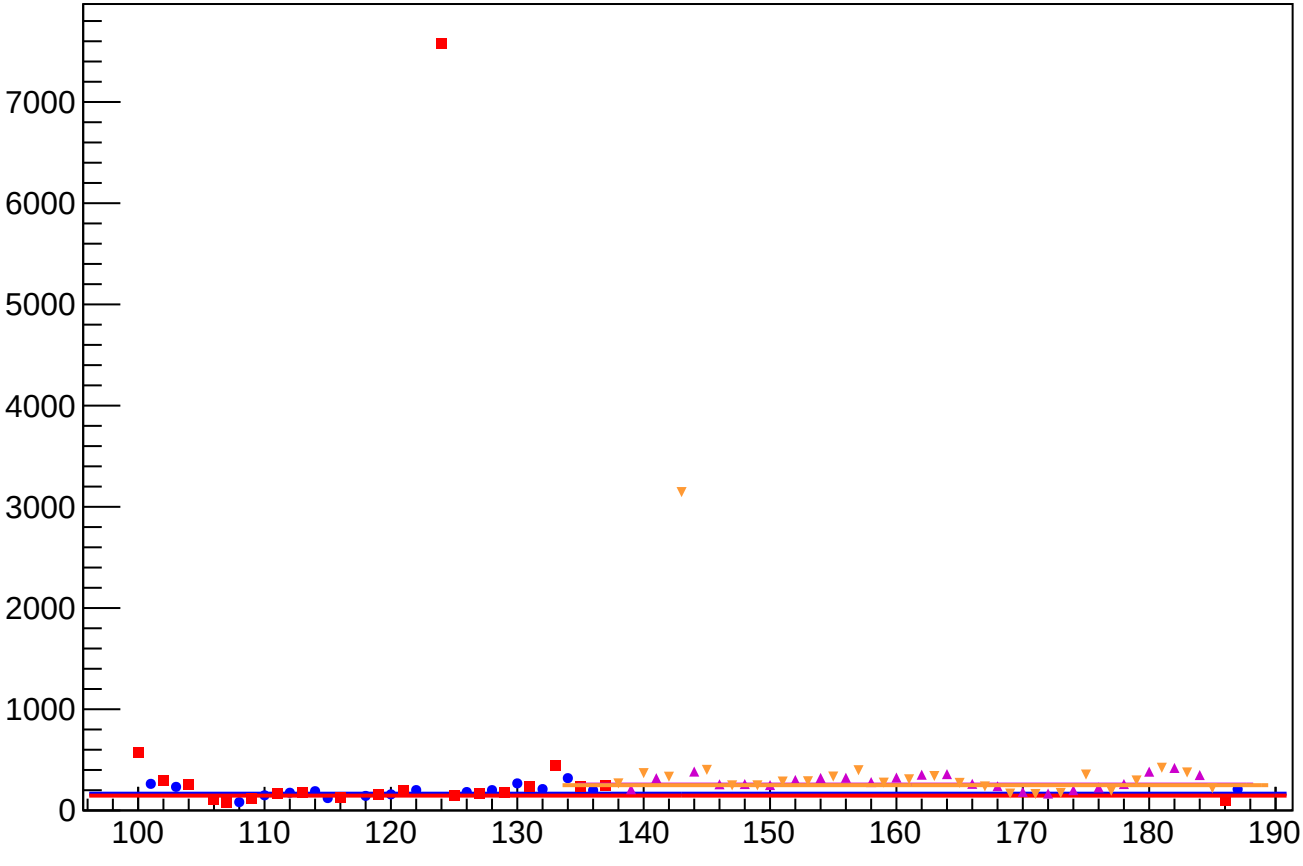
Right: 0.024+/-0.044 χ^2/NDF: 33.9/36

In: 0.078+/-0.046 χ^2/NDF:41.0/39

Out: -0.014+/-0.043 χ^2/NDF:47.7/44

All: 0.029+/-0.031 χ^2/NDF: 90.8/84

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 165.674+/-0.047 χ^2/NDF: 1491407.5/16

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 146.662+/-0.042 χ^2/NDF: 2133326.9/19

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

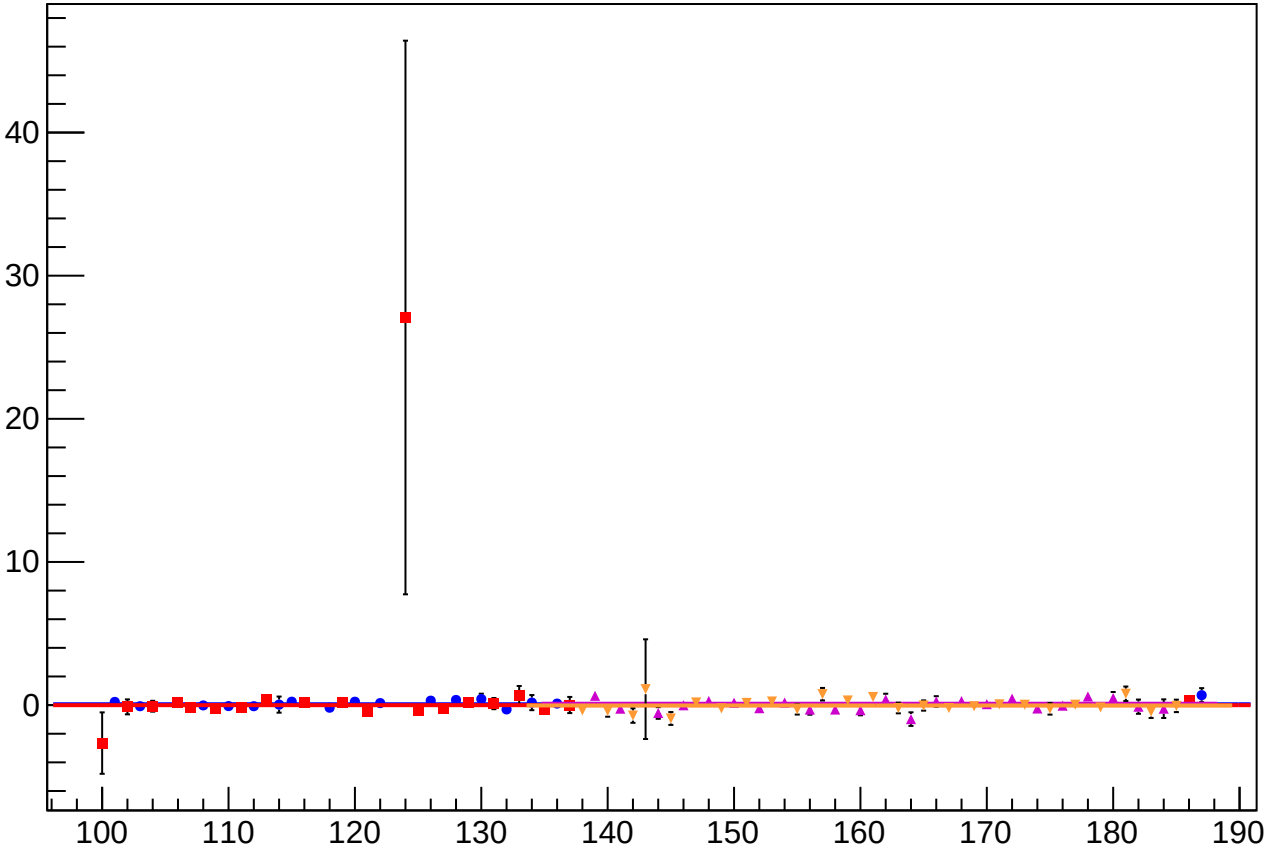
Right: 155.272+/-0.031 χ^2/NDF: 3716063.5/36

In: 212.440+/-0.032 χ^2/NDF:5538662.8/39

Out: 196.772+/-0.030 χ^2/NDF:9252872.5/44

All: 204.152+/-0.022 χ^2/NDF: 14916950.2/84

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.060 χ^2/NDF: 24.1/19

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

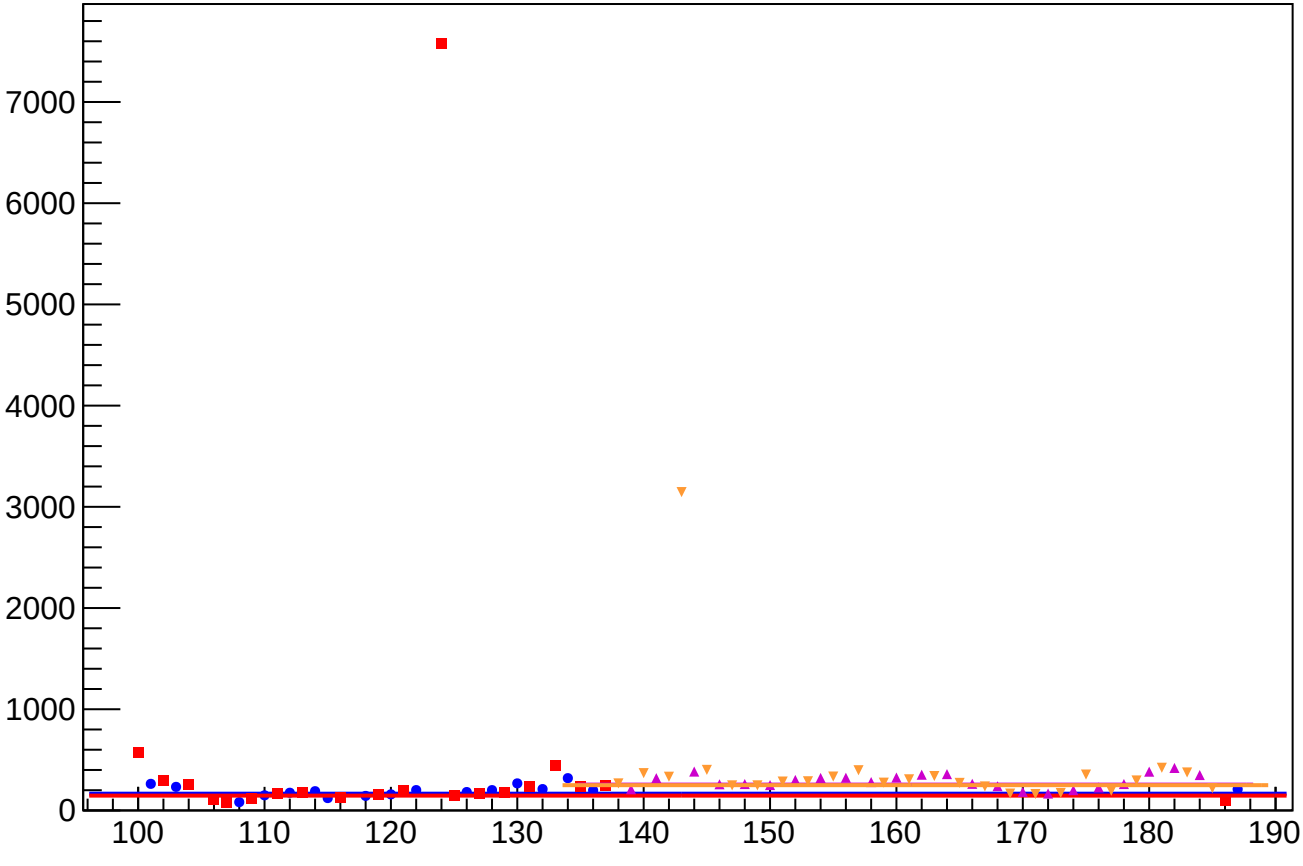
Right: 0.024+/-0.044 χ^2/NDF: 33.9/36

In: 0.078+/-0.046 χ^2/NDF:41.0/39

Out: -0.014+/-0.043 χ^2/NDF:47.7/44

All: 0.029+/-0.031 χ^2/NDF: 90.8/84

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 165.674+/-0.047 χ^2/NDF: 1491407.5/16

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 146.662+/-0.042 χ^2/NDF: 2133326.9/19

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

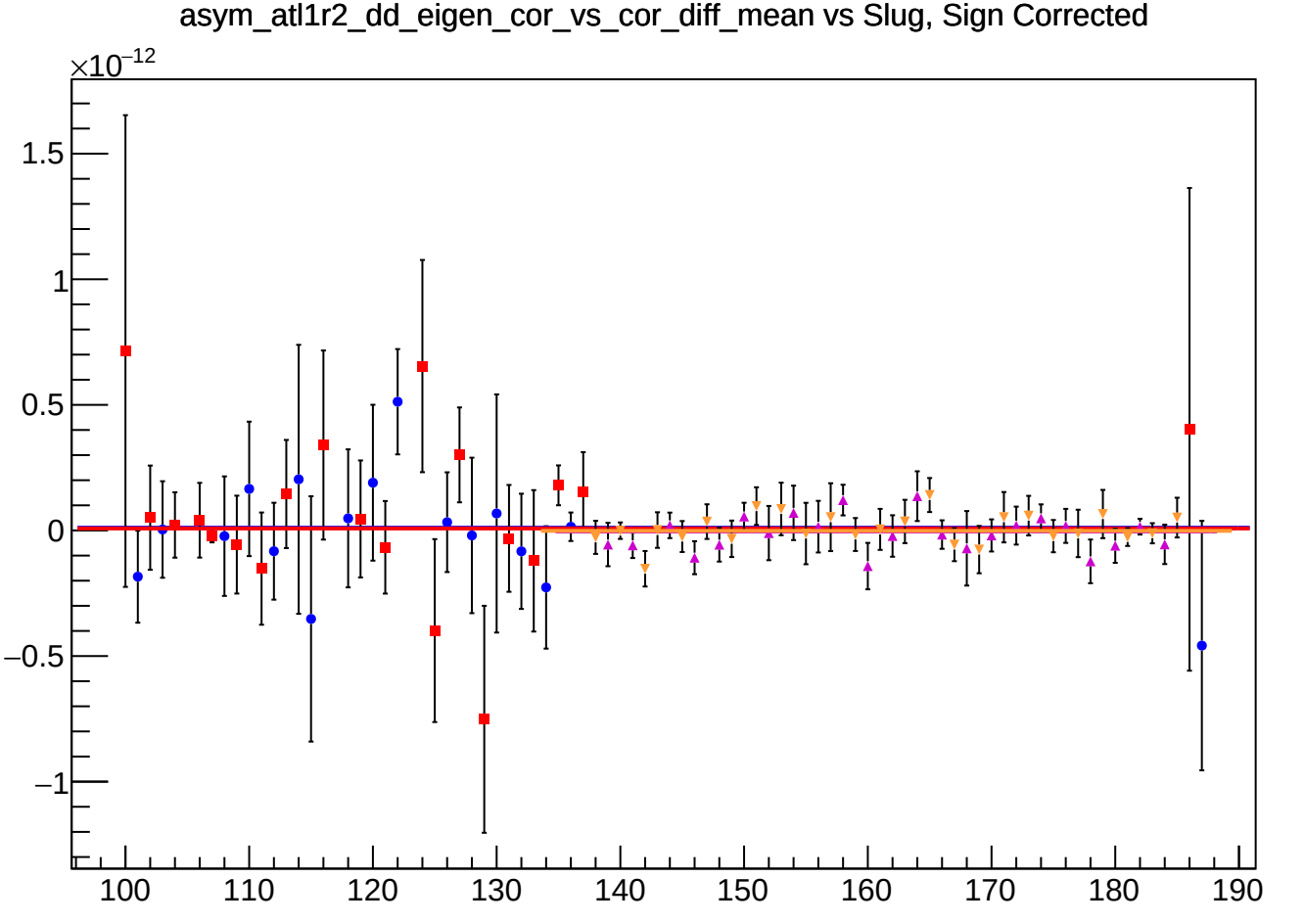
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 155.272+/-0.031 χ^2/NDF: 3716063.5/36

In: 212.440+/-0.032 χ^2/NDF:5538662.8/39

Out: 196.772+/-0.030 χ^2/NDF:9252872.5/44

All: 204.152+/-0.022 χ^2/NDF: 14916950.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

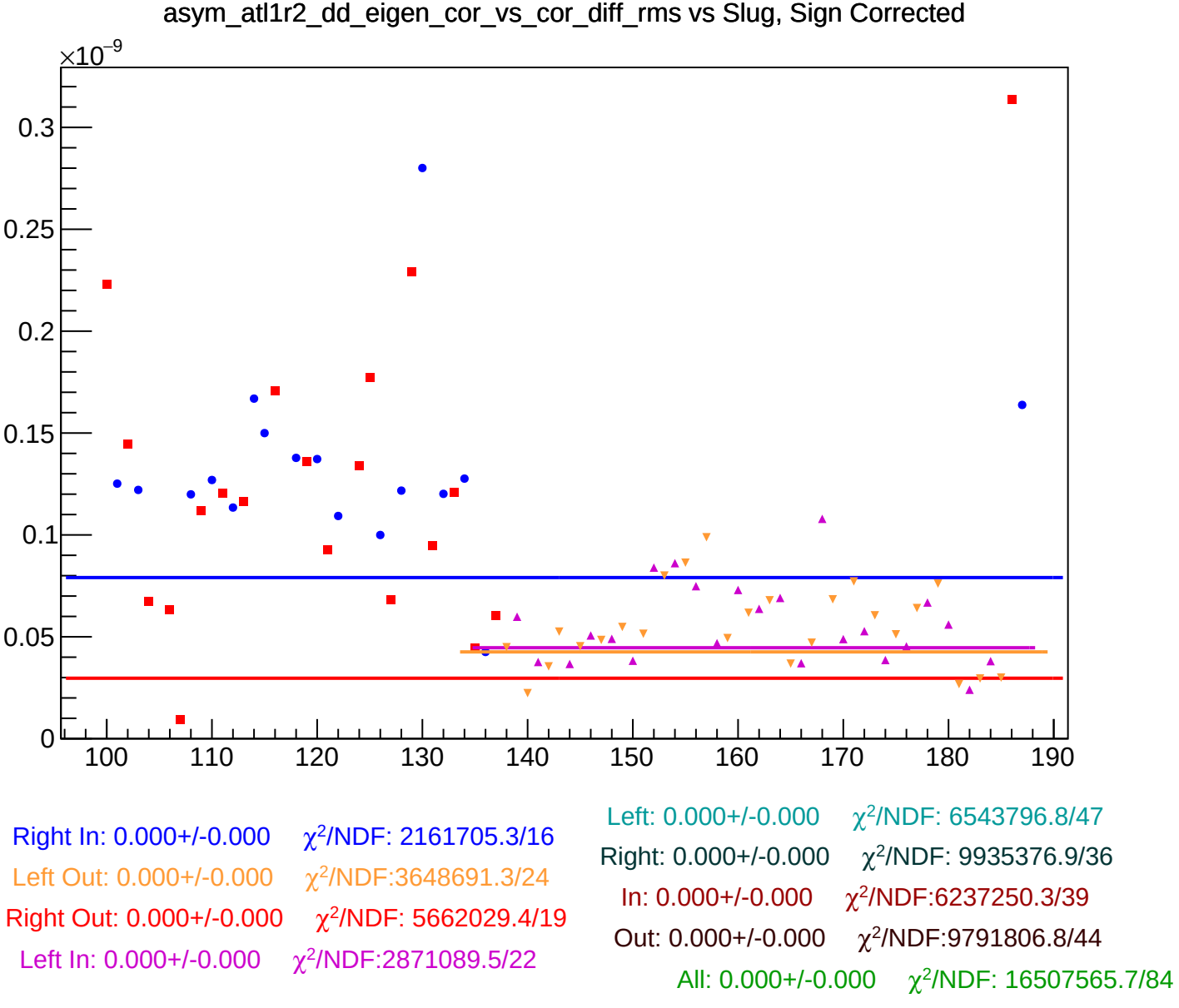
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 29.1/36

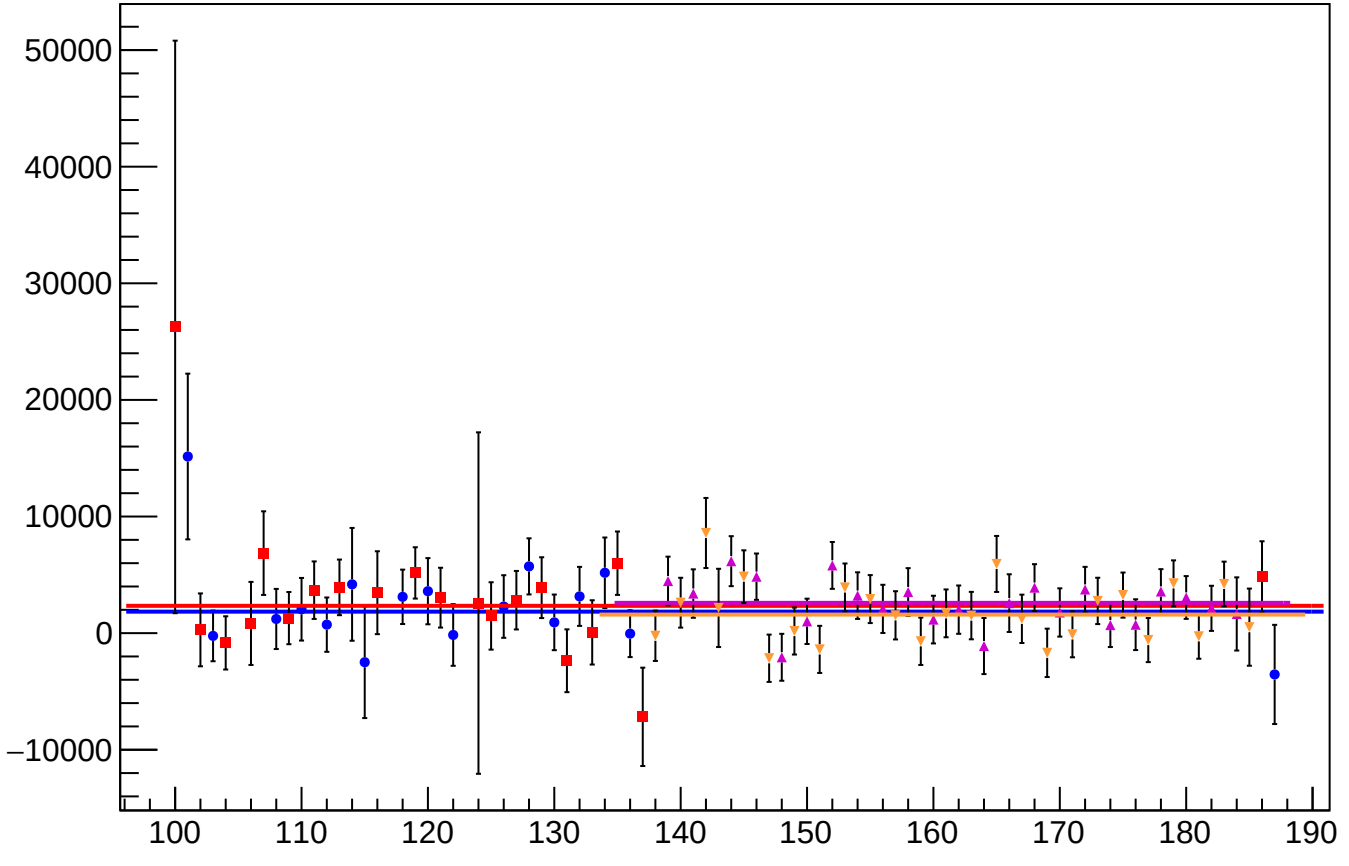
In: -0.000+/-0.000 χ^2/NDF:30.5/39

Out: 0.000+/-0.000 χ^2/NDF:35.0/44

All: -0.000+/-0.000 χ^2/NDF: 65.6/84


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2161705.3/16
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 5662029.4/19
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 9935376.9/36
In: 0.000+/-0.000 χ²/NDF:6237250.3/39
Out: 0.000+/-0.000 χ²/NDF:9791806.8/44
All: 0.000+/-0.000 χ²/NDF: 16507565.7/84

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1843.574+/-659.631 χ^2/NDF: 13.8/16

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2342.759+/-641.486 χ^2/NDF: 19.7/19

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

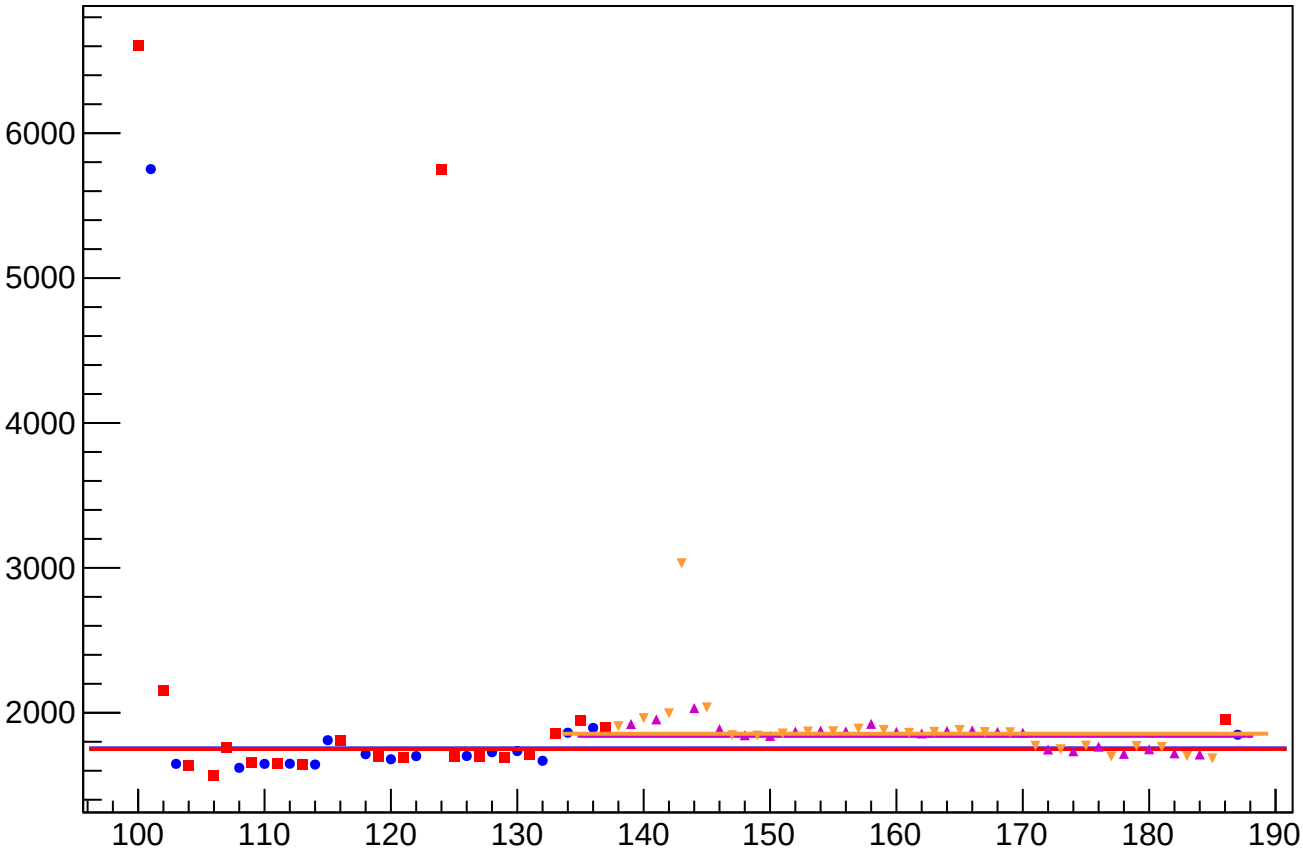
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2100.127+/-459.880 χ^2/NDF: 33.7/36

In: 2372.618+/-360.393 χ^2/NDF:34.8/39

Out: 1820.062+/-353.310 χ^2/NDF:51.9/44

All: 2090.856+/-252.295 χ^2/NDF: 87.9/84



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.1/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1750.423+/-0.450 χ^2/NDF: 314066.3/19

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

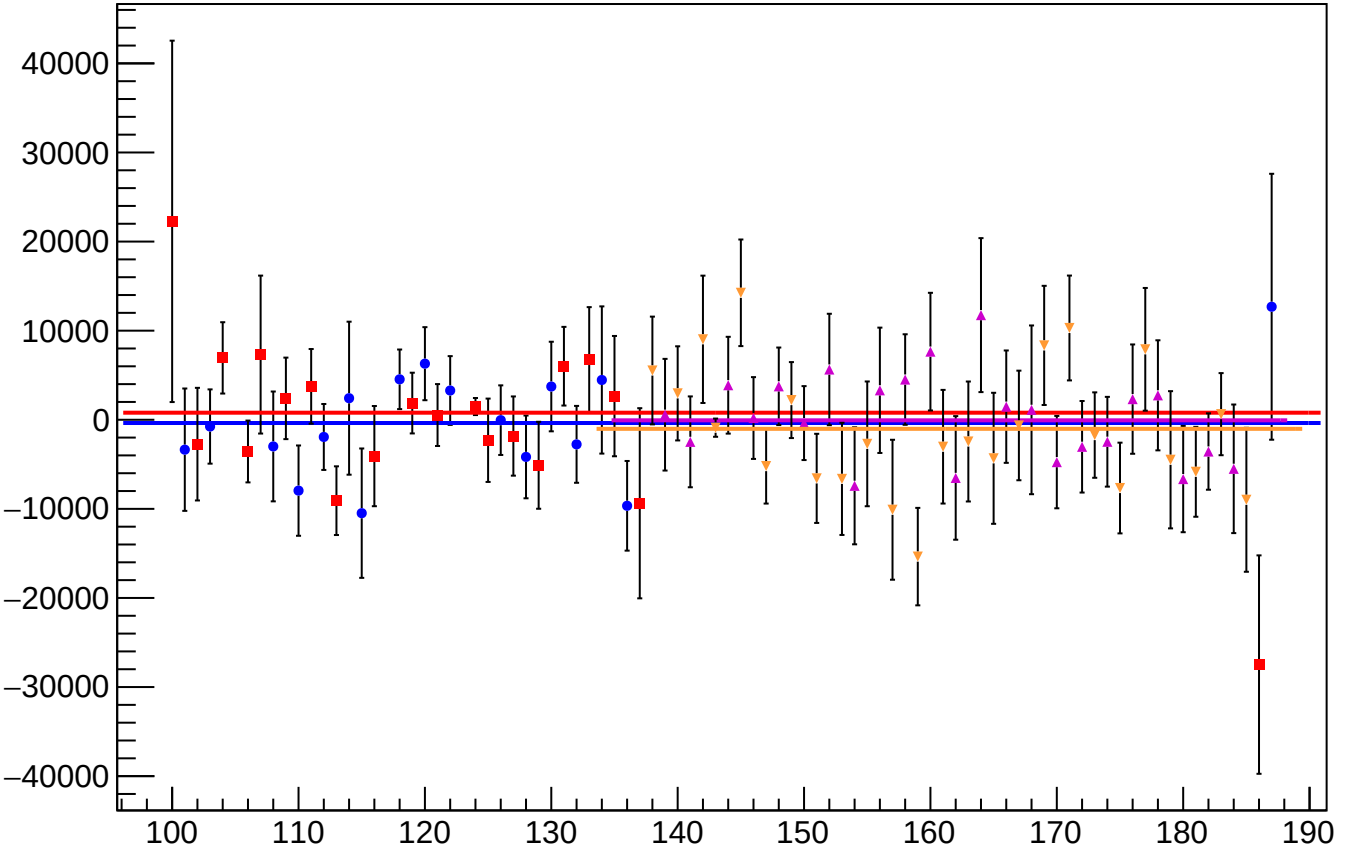
Right: 1752.120+/-0.324 χ^2/NDF: 985761.8/36

In: 1814.999+/-0.255 χ^2/NDF:767081.2/39

Out: 1823.353+/-0.249 χ^2/NDF:676129.8/44

All: 1819.267+/-0.178 χ^2/NDF: 1443760.1/84

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -363.467+/-1170.828 χ^2/NDF: 16.7/16

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 793.130+/-724.468 χ^2/NDF: 25.4/19

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

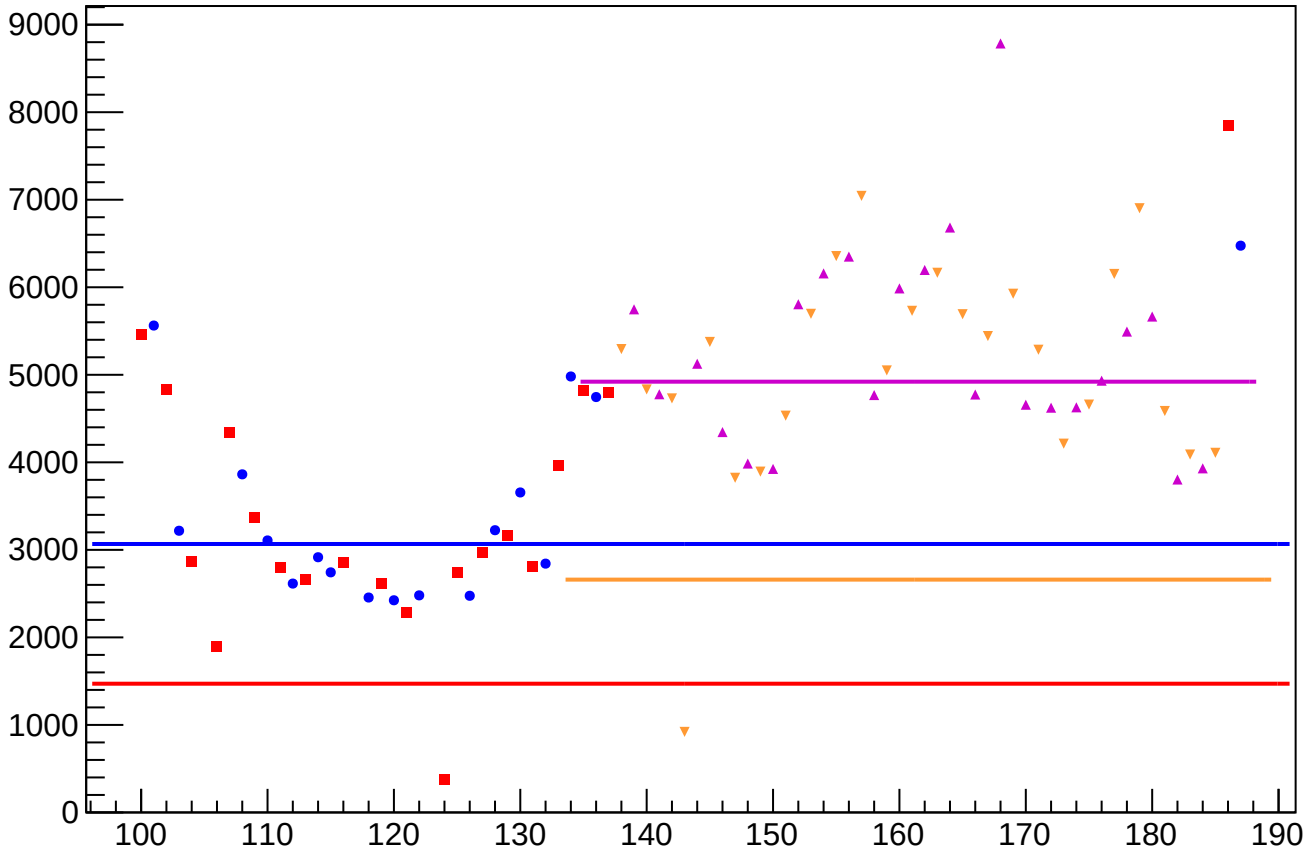
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 472.907+/-616.068 χ^2/NDF: 42.8/36

In: -213.252+/-828.819 χ^2/NDF:29.8/39

Out: -55.585+/-528.222 χ^2/NDF:62.1/44

All: -101.127+/-445.448 χ^2/NDF: 91.9/84



Right In: 3067.025+/-0.828 χ^2/NDF: 1012336.5/16

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1470.884+/-0.512 χ^2/NDF: 7330662.4/19

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

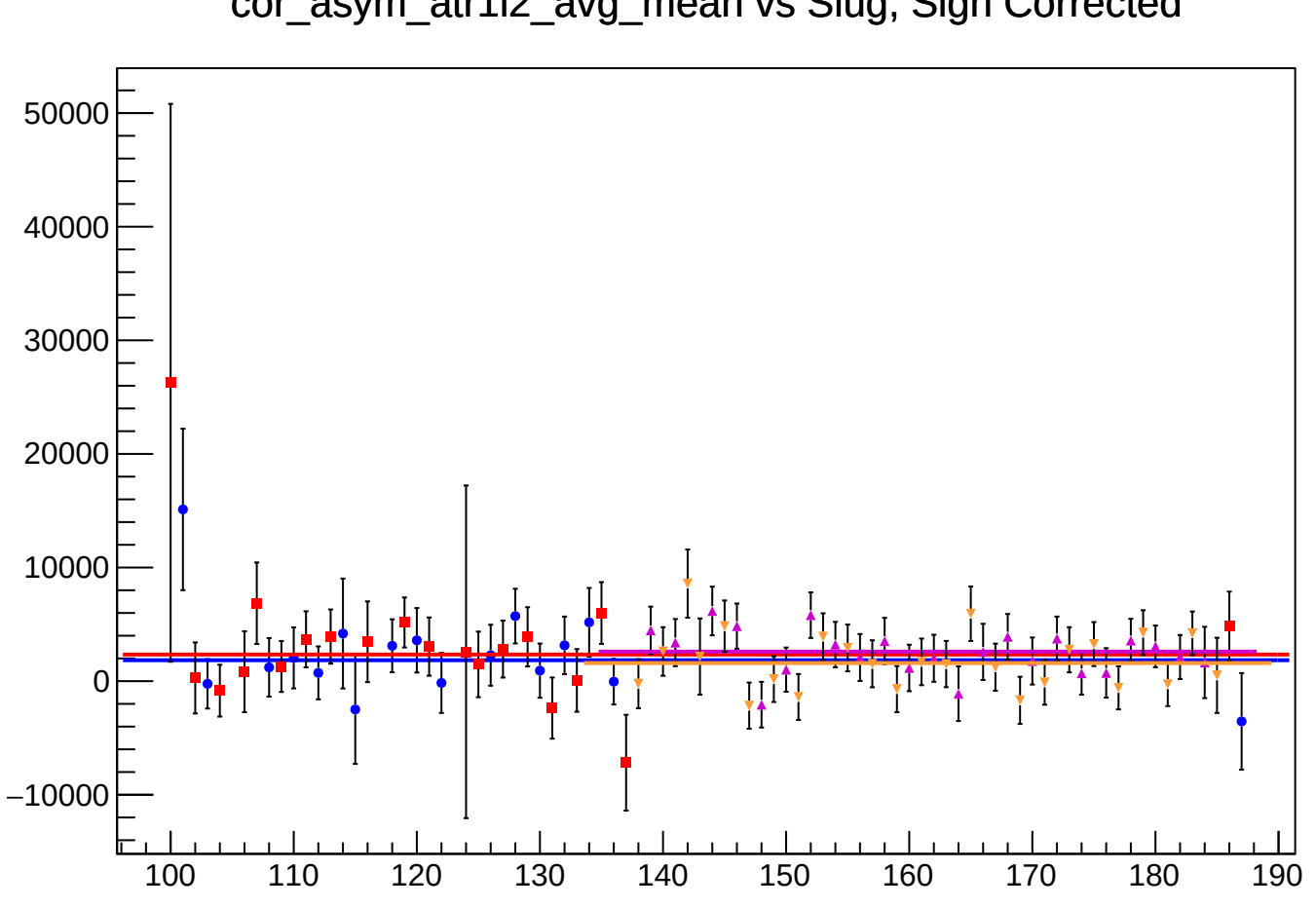
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 1912.802+/-0.436 χ^2/NDF: 11030843.0/36

In: 3992.114+/-0.586 χ^2/NDF:4766143.4/39

Out: 2027.856+/-0.374 χ^2/NDF:24390520.2/44

All: 2595.235+/-0.315 χ^2/NDF: 37145219.4/8



Right In: 1843.233+/-659.631 χ^2/NDF: 13.7/16

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2342.846+/-641.486 χ^2/NDF: 19.7/19

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

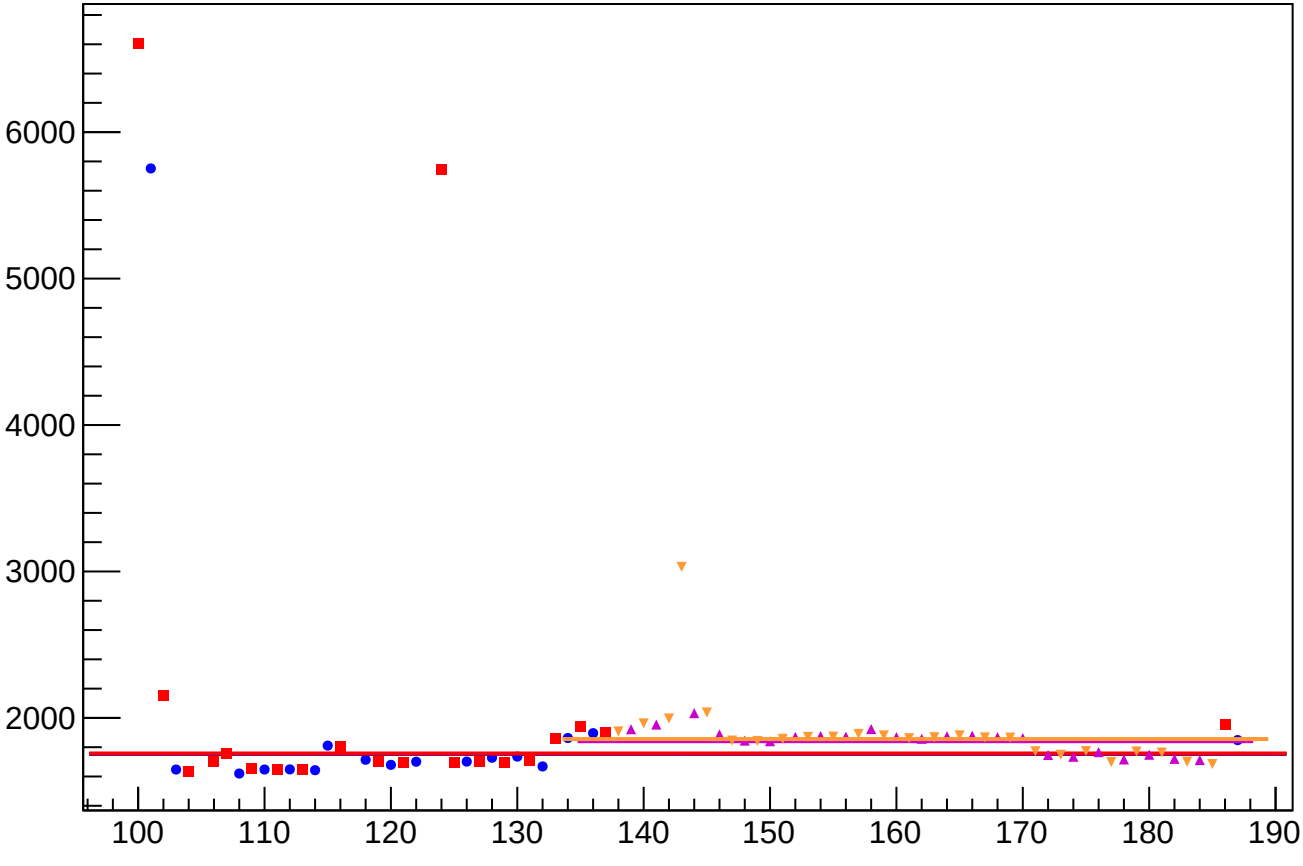
Right: 2100.006+/-459.880 χ^2/NDF: 33.7/36

In: 2372.566+/-360.393 χ^2/NDF:34.7/39

Out: 1820.065+/-353.310 χ^2/NDF:51.9/44

All: 2090.832+/-252.295 χ^2/NDF: 87.8/84

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.4/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1756.924+/-0.452 χ^2/NDF: 306740.6/19

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

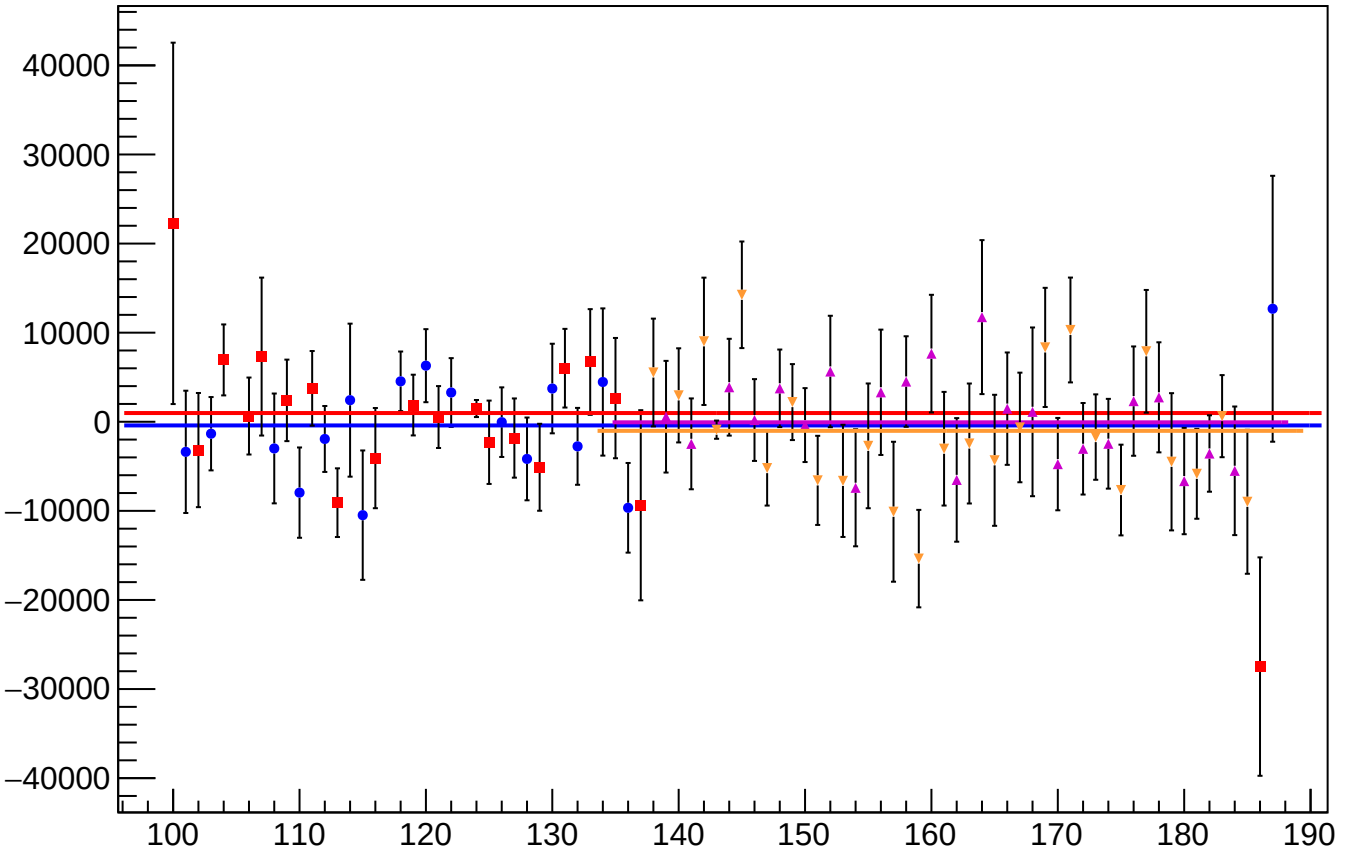
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1755.478+/-0.325 χ^2/NDF: 978428.1/36

In: 1814.999+/-0.255 χ^2/NDF:767081.6/39

Out: 1825.489+/-0.250 χ^2/NDF:664114.4/44

All: 1820.354+/-0.178 χ^2/NDF: 1432061.1/84



Right In: -411.977+/-1169.630 χ^2/NDF: 16.7/16

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 979.584+/-730.159 χ^2/NDF: 23.9/19

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

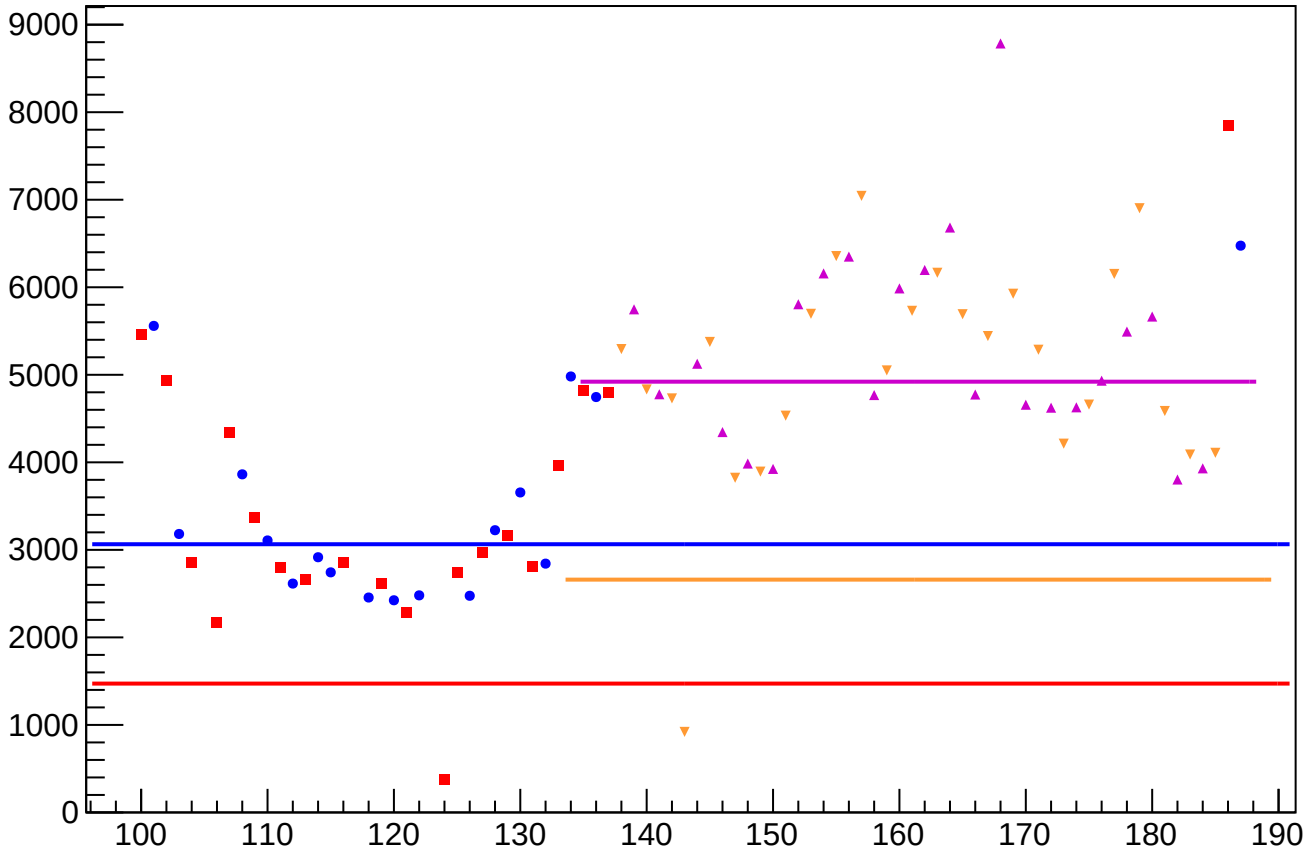
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 589.358+/-619.378 χ^2/NDF: 41.6/36

In: -237.698+/-828.393 χ^2/NDF:29.8/39

Out: 35.793+/-530.410 χ^2/NDF:61.2/44

All: -43.728+/-446.691 χ^2/NDF: 91.1/84



Right In: 3064.350+/-0.827 χ^2/NDF: 1010774.7/16

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1472.230+/-0.516 χ^2/NDF: 7369253.6/19

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

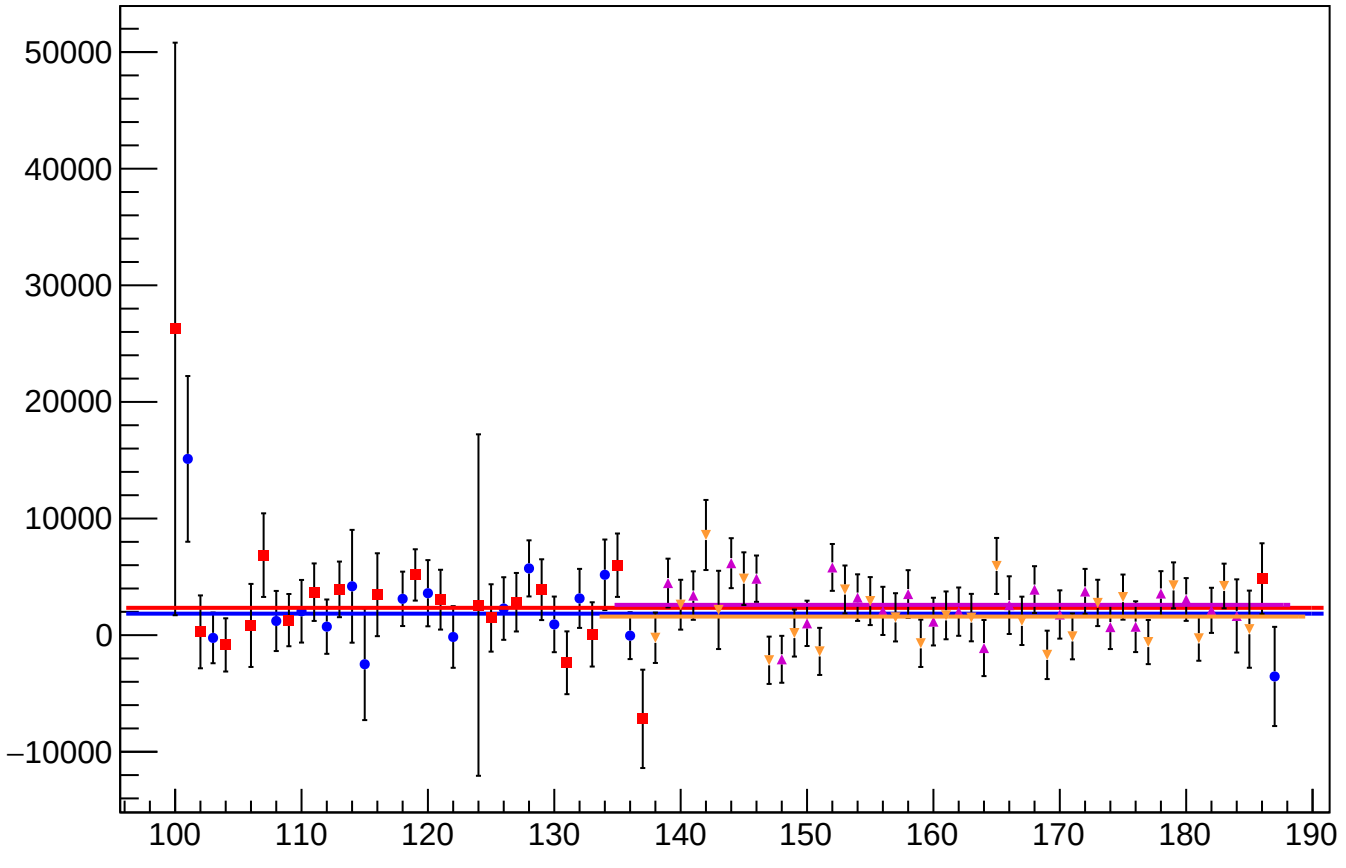
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 1918.698+/-0.438 χ^2/NDF: 11046649.9/36

In: 3989.823+/-0.586 χ^2/NDF:4774370.6/39

Out: 2033.167+/-0.375 χ^2/NDF:24405303.8/44

All: 2602.093+/-0.316 χ^2/NDF: 37093308.7/8



Right In: 1843.233+/-659.631 χ^2/NDF: 13.7/16

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2342.846+/-641.486 χ^2/NDF: 19.7/19

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

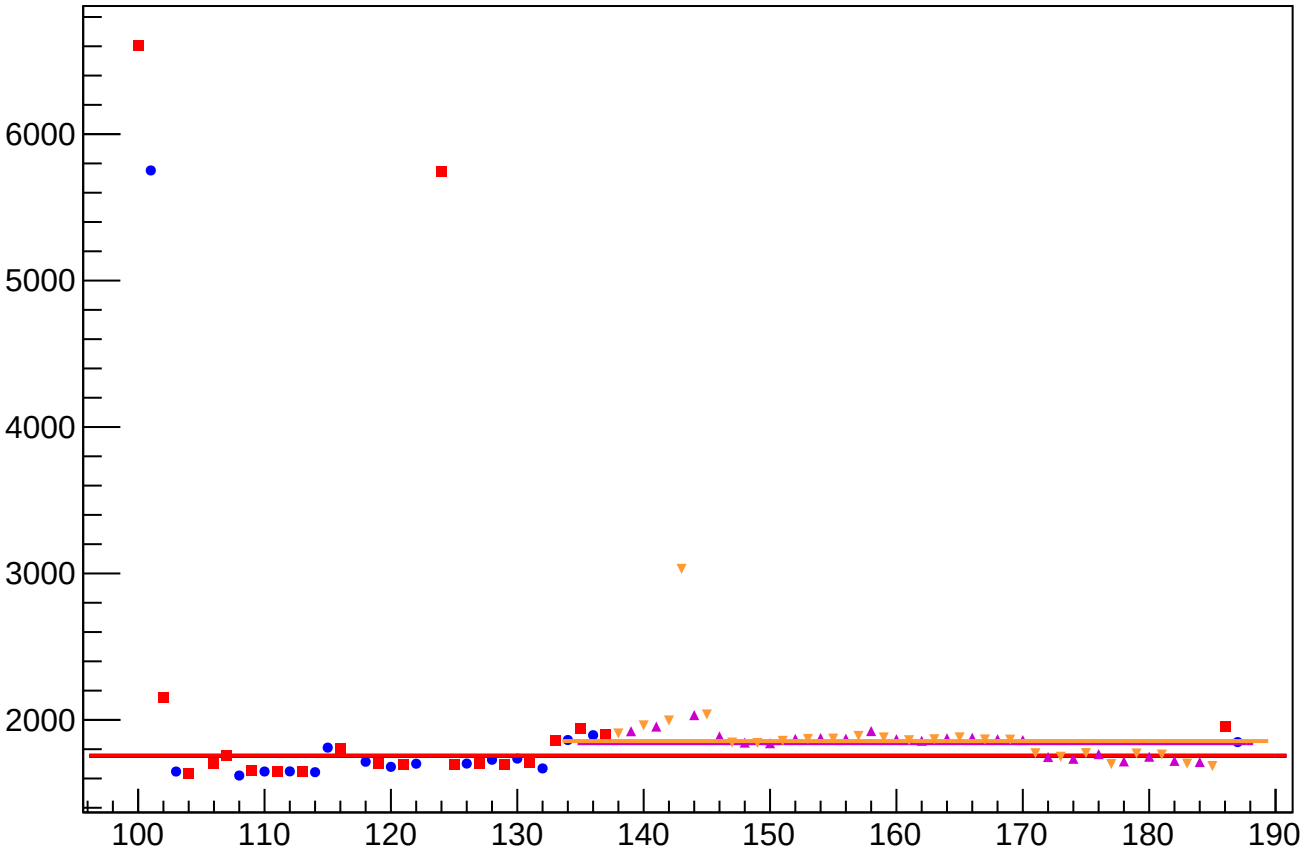
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2100.006+/-459.880 χ^2/NDF: 33.7/36

In: 2372.566+/-360.393 χ^2/NDF:34.7/39

Out: 1820.065+/-353.310 χ^2/NDF:51.9/44

All: 2090.832+/-252.295 χ^2/NDF: 87.8/84



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.4/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1756.924+/-0.452 χ^2/NDF: 306740.6/19

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

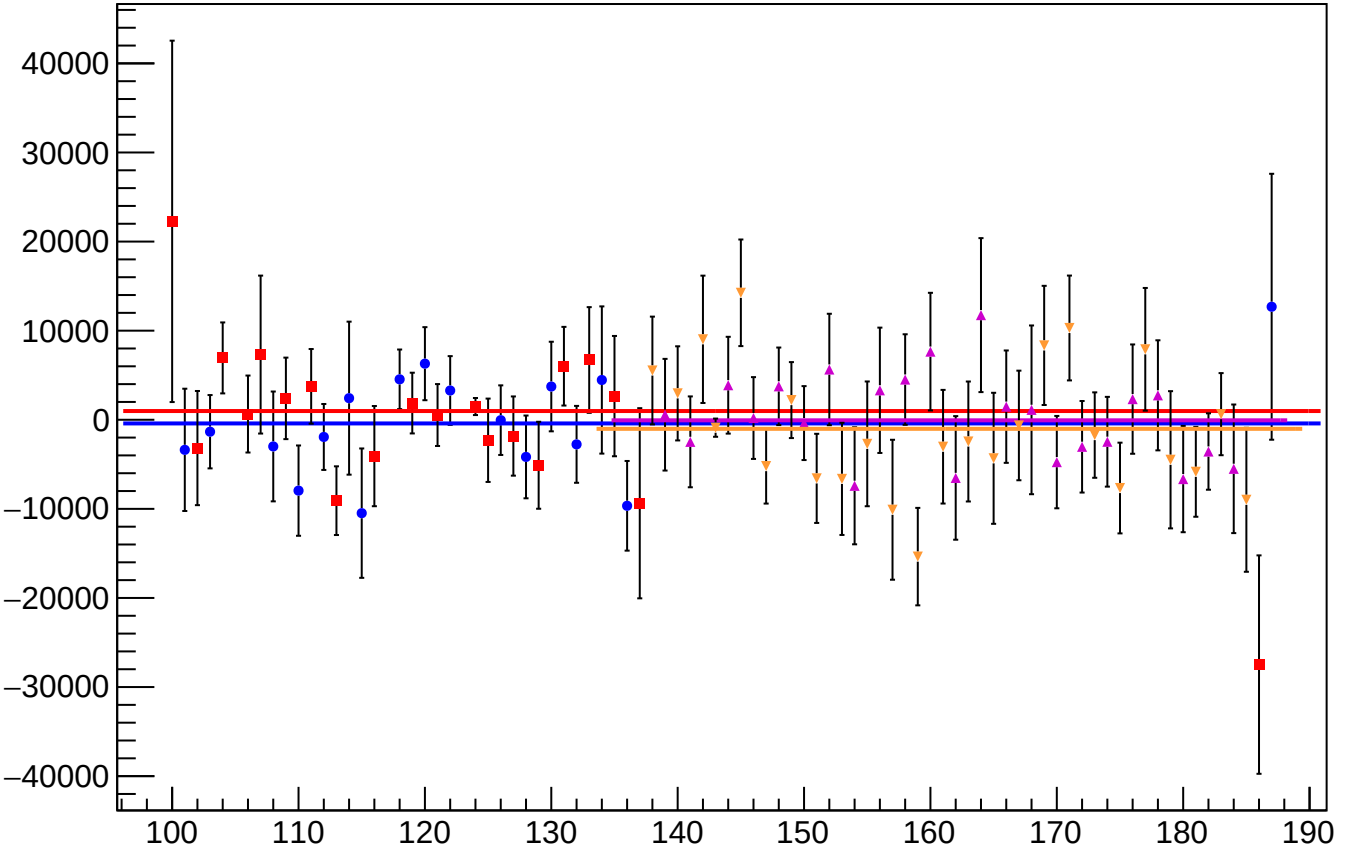
Right: 1755.478+/-0.325 χ^2/NDF: 978428.1/36

In: 1814.999+/-0.255 χ^2/NDF:767081.6/39

Out: 1825.489+/-0.250 χ^2/NDF:664114.4/44

All: 1820.354+/-0.178 χ^2/NDF: 1432061.1/84

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -411.977+/-1169.630 χ^2/NDF: 16.7/16

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 979.584+/-730.159 χ^2/NDF: 23.9/19

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

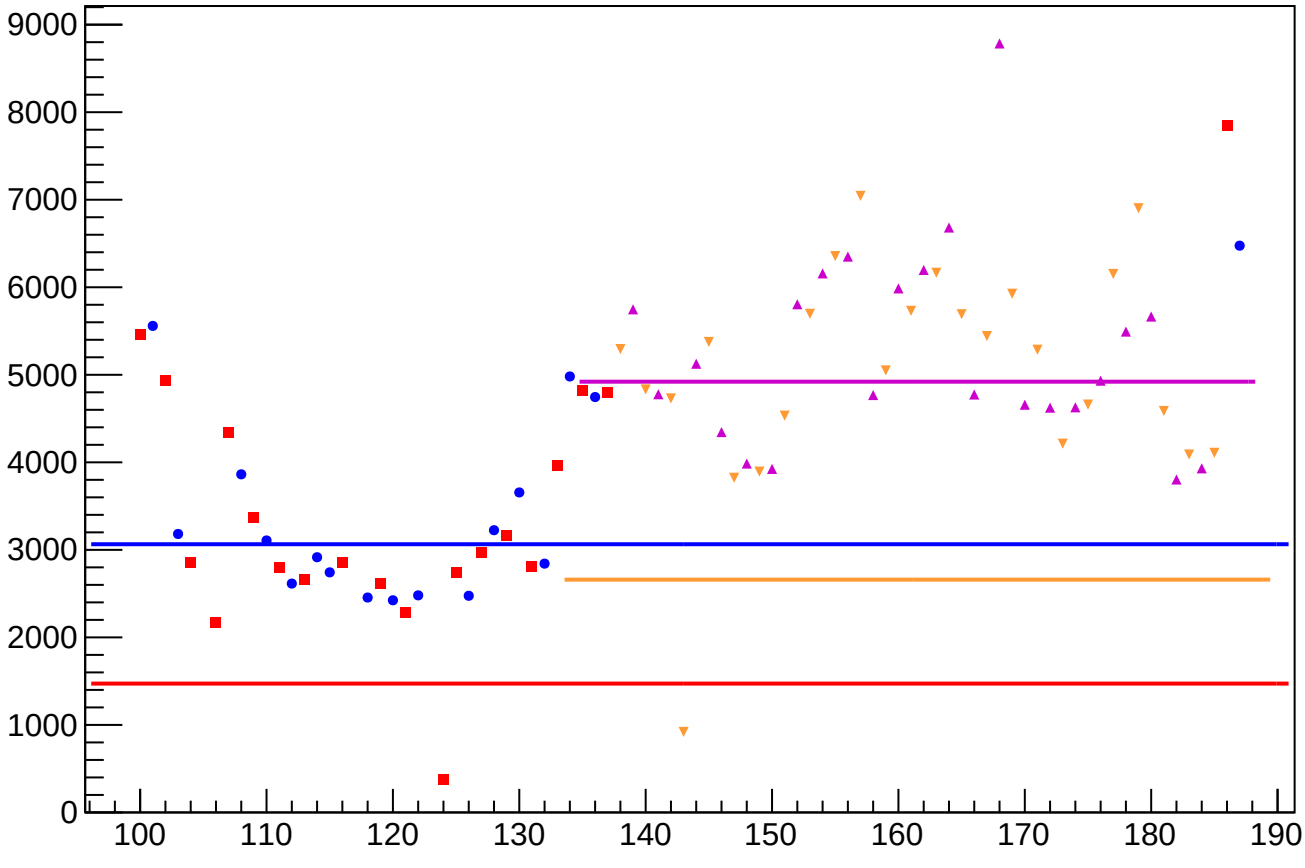
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 589.358+/-619.378 χ^2/NDF: 41.6/36

In: -237.698+/-828.393 χ^2/NDF:29.8/39

Out: 35.793+/-530.410 χ^2/NDF:61.2/44

All: -43.728+/-446.691 χ^2/NDF: 91.1/84



Right In: 3064.350+/-0.827 χ^2/NDF: 1010774.7/16

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1472.230+/-0.516 χ^2/NDF: 7369253.6/19

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

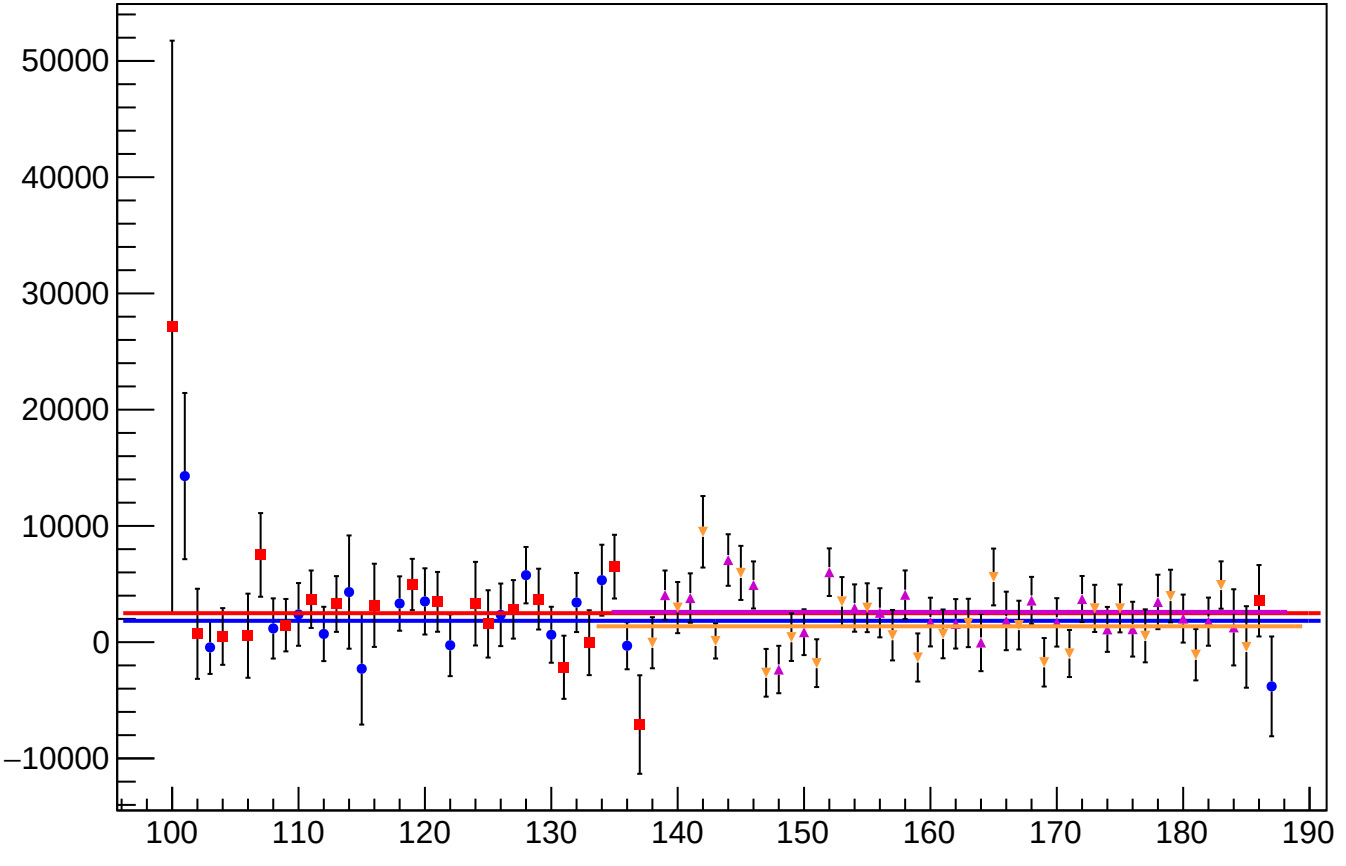
Right: 1918.698+/-0.438 χ^2/NDF: 11046649.9/36

In: 3989.823+/-0.586 χ^2/NDF:4774370.6/39

Out: 2033.167+/-0.375 χ^2/NDF:24405303.8/44

All: 2602.093+/-0.316 χ^2/NDF: 37093308.7/8

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1836.666+/-665.923 χ^2/NDF: 14.2/16

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2493.182+/-643.110 χ^2/NDF: 17.6/19

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

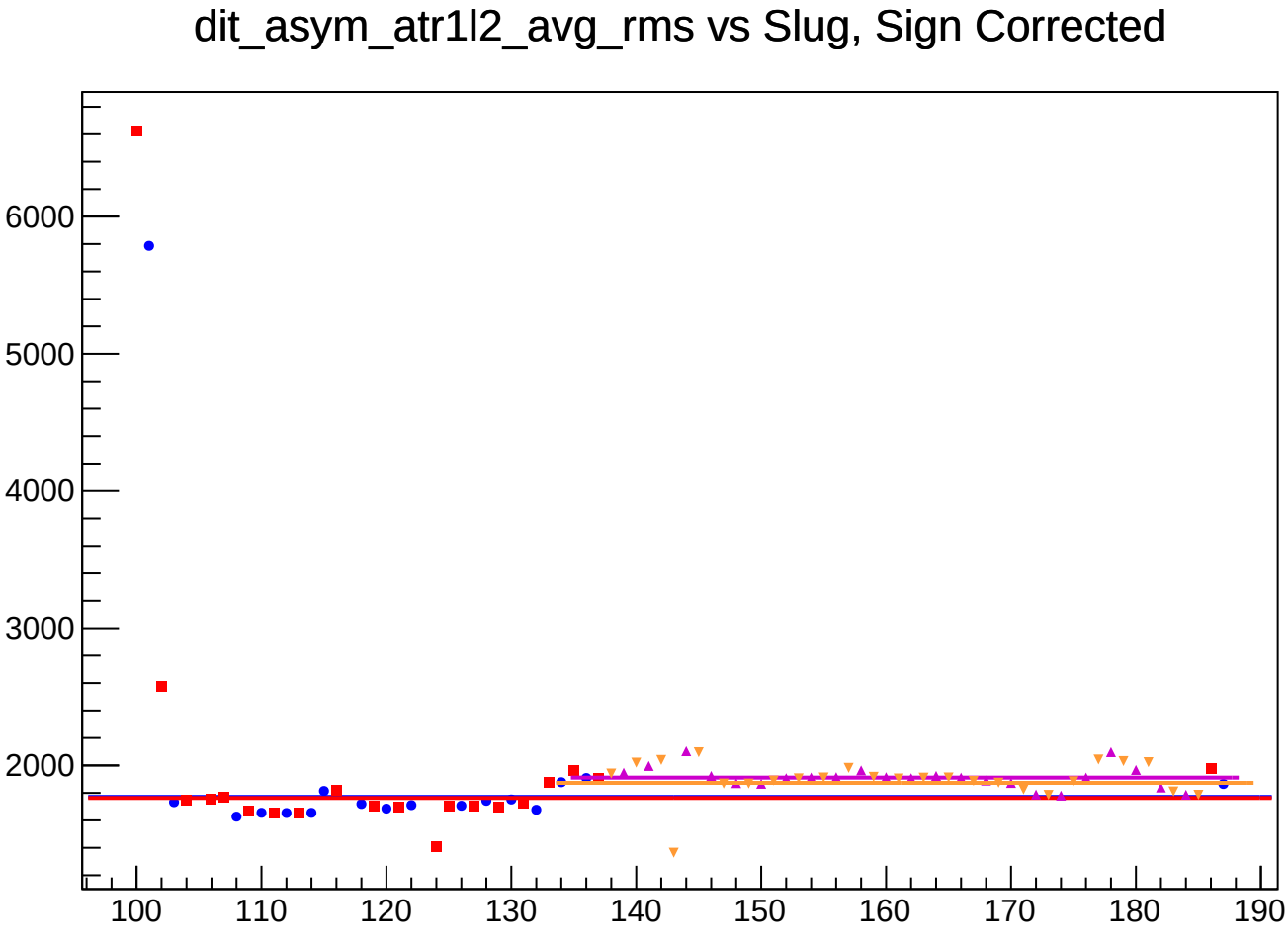
Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

Right: 2176.362+/-462.602 χ^2/NDF: 32.3/36

In: 2365.039+/-370.992 χ^2/NDF:35.2/39

Out: 1709.782+/-355.921 χ^2/NDF:55.9/44

All: 2023.832+/-256.837 χ^2/NDF: 92.6/84



Right In: 1770.806+/-0.471 χ^2/NDF: 668356.9/16

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1763.099+/-0.454 χ^2/NDF: 228930.0/19

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

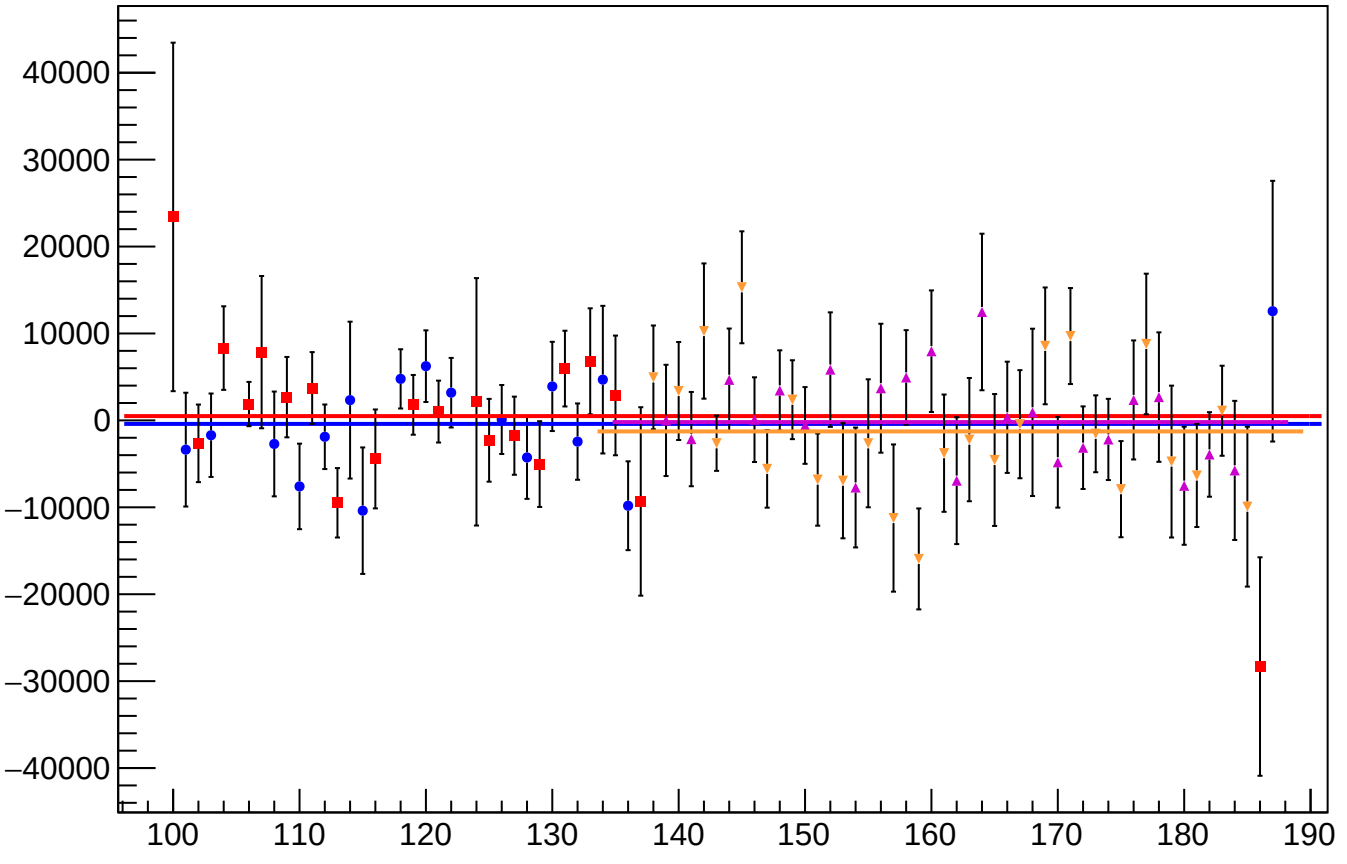
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1766.809+/-0.327 χ^2/NDF: 897425.8/36

In: 1867.780+/-0.262 χ^2/NDF:788996.6/39

Out: 1839.342+/-0.251 χ^2/NDF:579455.1/44

All: 1852.961+/-0.182 χ^2/NDF: 1374575.6/84



Right In: -405.284+/-1194.697 χ^2/NDF: 16.5/16

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 494.688+/-1065.617 χ^2/NDF: 24.1/19

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

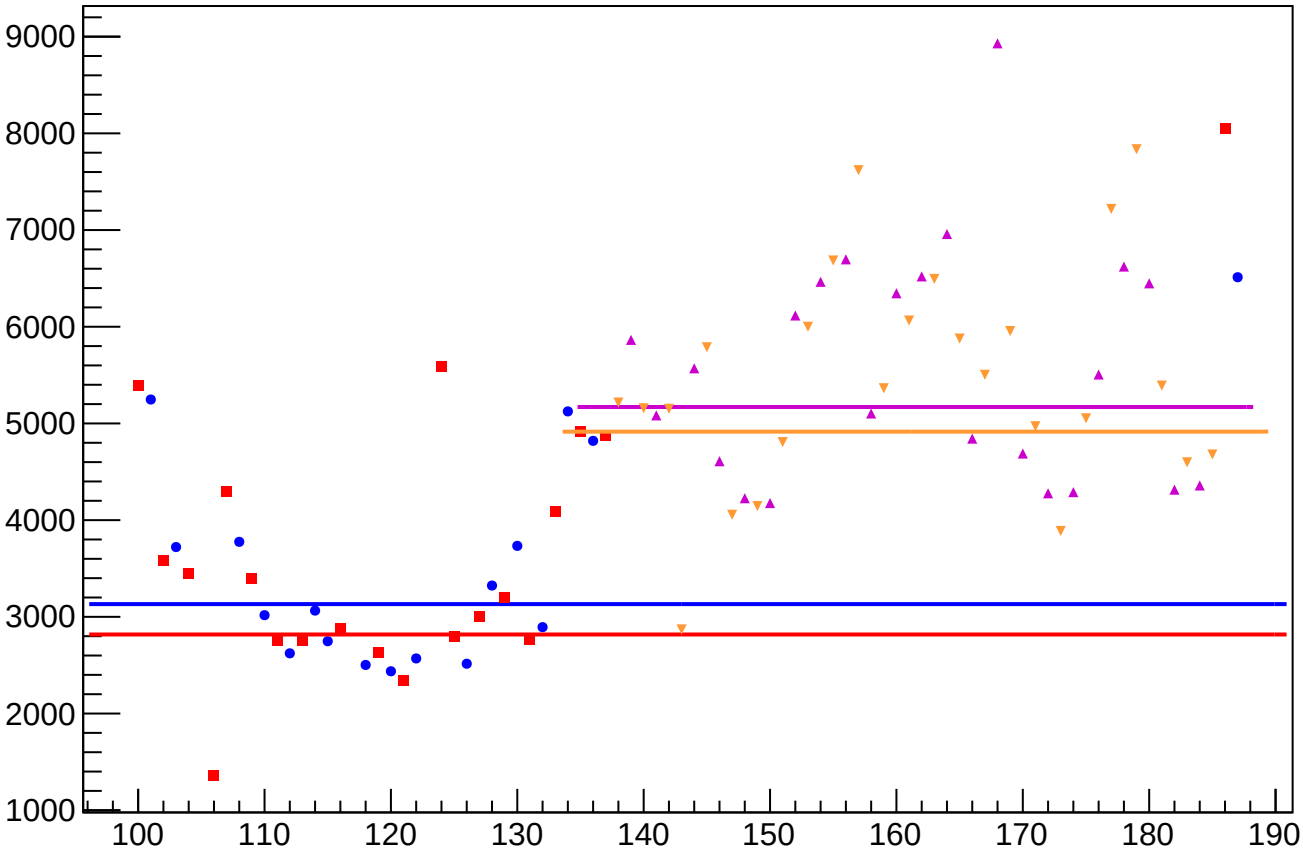
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: 95.930+/-795.240 χ^2/NDF: 41.0/36

In: -304.517+/-858.518 χ^2/NDF:29.2/39

Out: -315.770+/-783.553 χ^2/NDF:58.8/44

All: -310.656+/-578.747 χ^2/NDF: 88.1/84



Right In: 3131.720+/-0.845 χ^2/NDF: 985519.0/16

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 2817.513+/-0.754 χ^2/NDF: 1697270.7/19

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

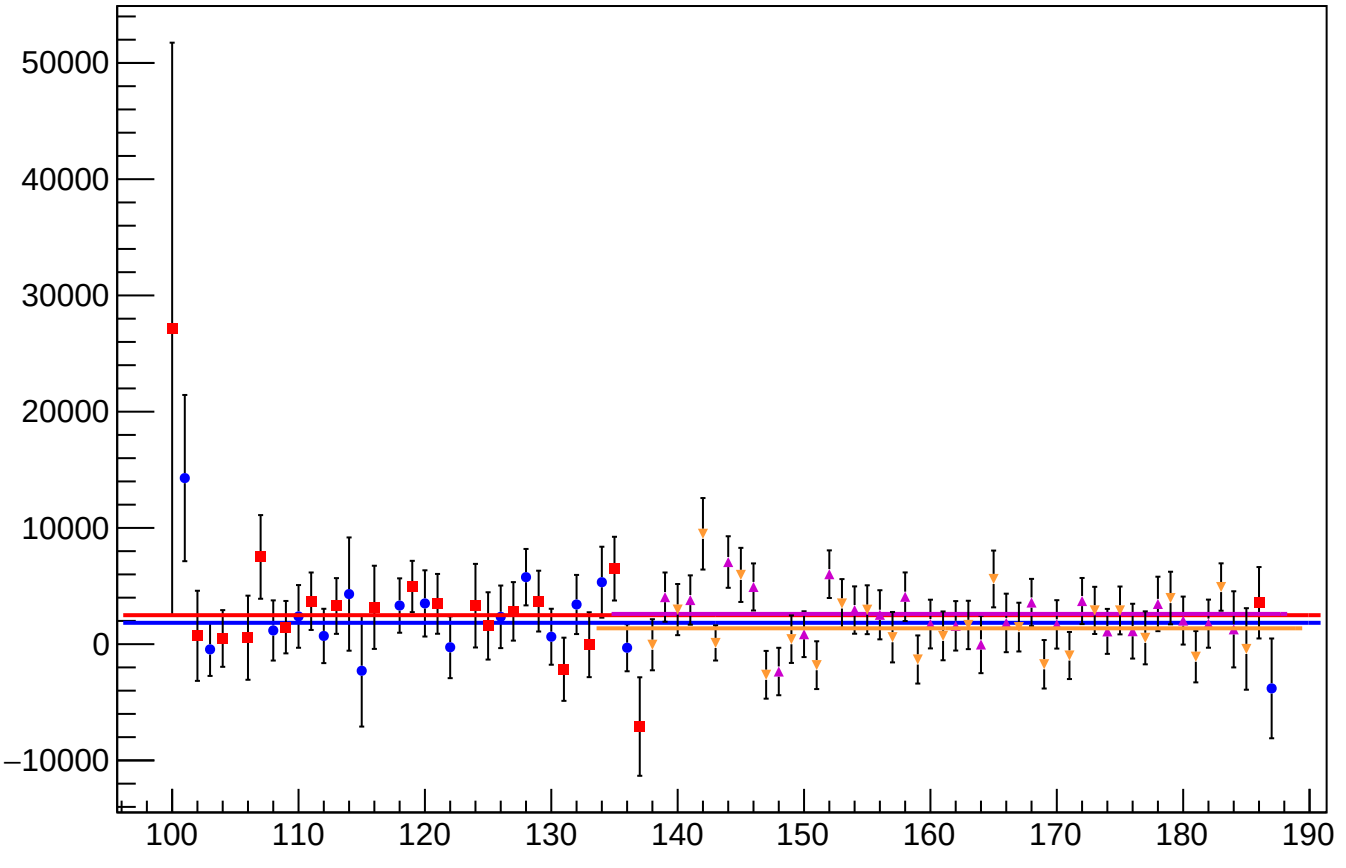
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 2956.732+/-0.562 χ^2/NDF: 2759833.8/36

In: 4117.453+/-0.607 χ^2/NDF:5149652.5/39

Out: 3781.058+/-0.554 χ^2/NDF:7423495.3/44

All: 3933.930+/-0.409 χ^2/NDF: 12740669.9/8



Right In: 1836.668+/-665.923 χ^2/NDF: 14.2/16

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2493.184+/-643.110 χ^2/NDF: 17.6/19

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

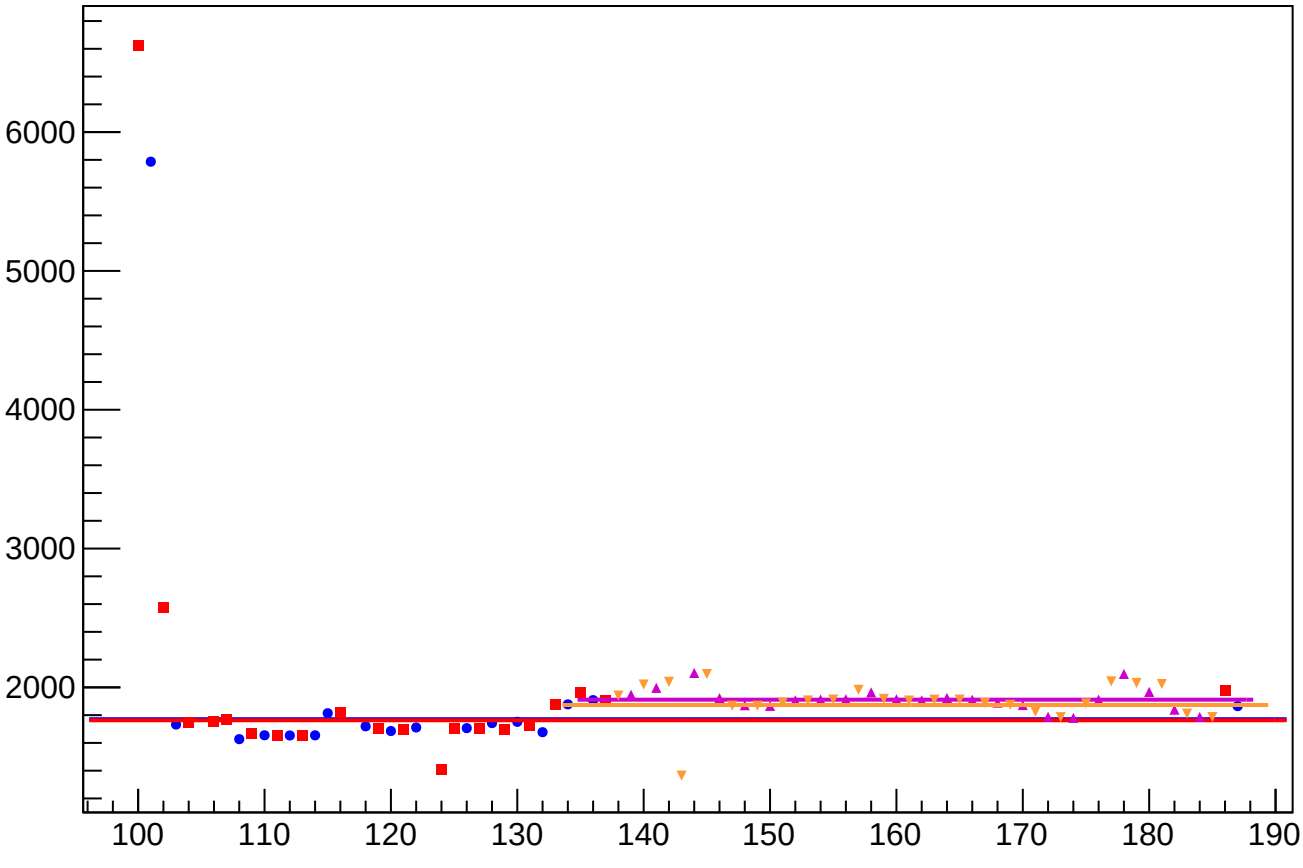
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2176.364+/-462.602 χ^2/NDF: 32.3/36

In: 2365.039+/-370.992 χ^2/NDF:35.2/39

Out: 1709.781+/-355.921 χ^2/NDF:55.9/44

All: 2023.831+/-256.837 χ^2/NDF: 92.6/84



Right In: 1770.806+/-0.471 χ^2/NDF: 668356.9/16

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1763.099+/-0.454 χ^2/NDF: 228929.8/19

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

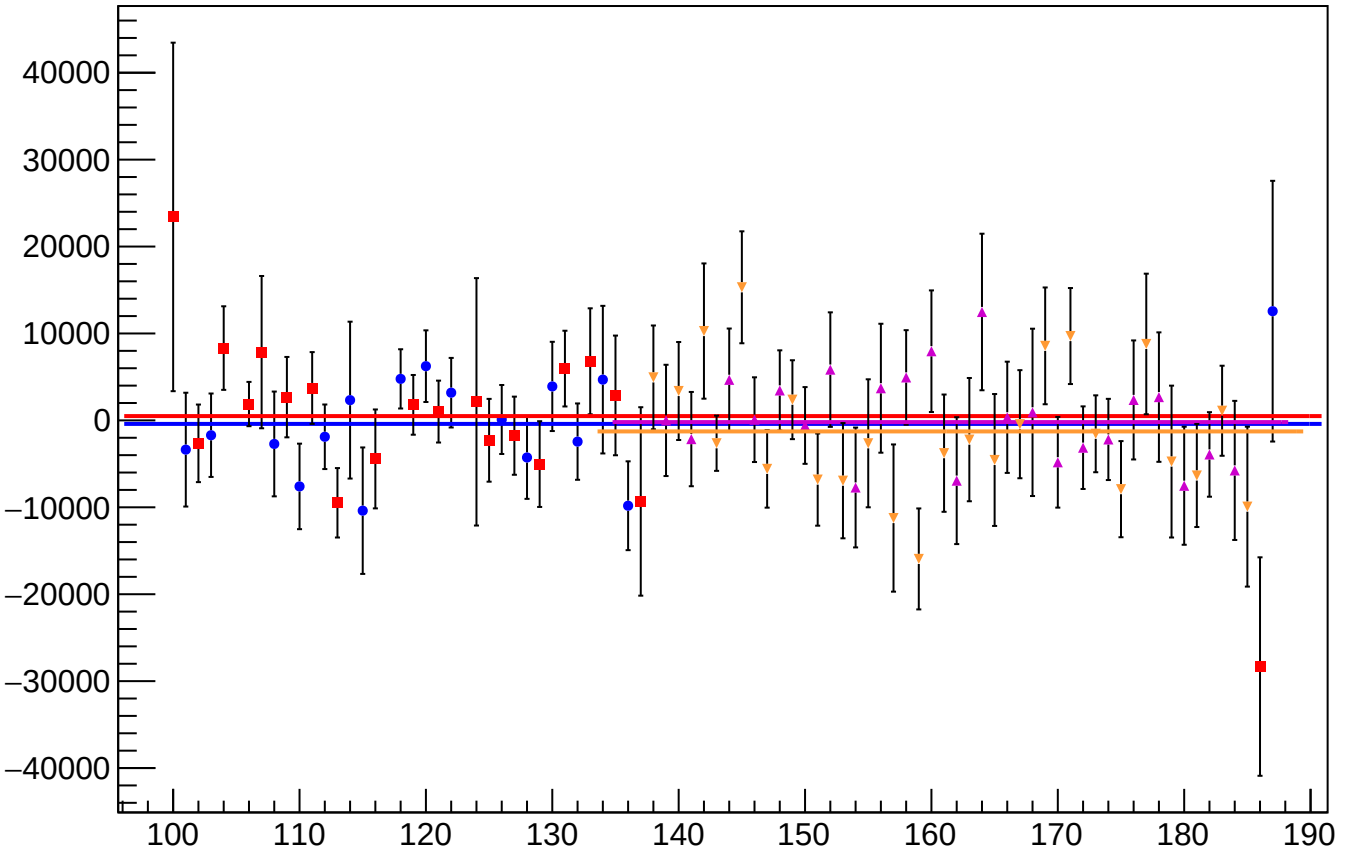
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1766.809+/-0.327 χ^2/NDF: 897425.7/36

In: 1867.781+/-0.262 χ^2/NDF:788999.8/39

Out: 1839.343+/-0.251 χ^2/NDF:579459.4/44

All: 1852.961+/-0.182 χ^2/NDF: 1374583.1/84



Right In: -405.278+/-1194.693 χ^2/NDF: 16.5/16

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 494.692+/-1065.613 χ^2/NDF: 24.1/19

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

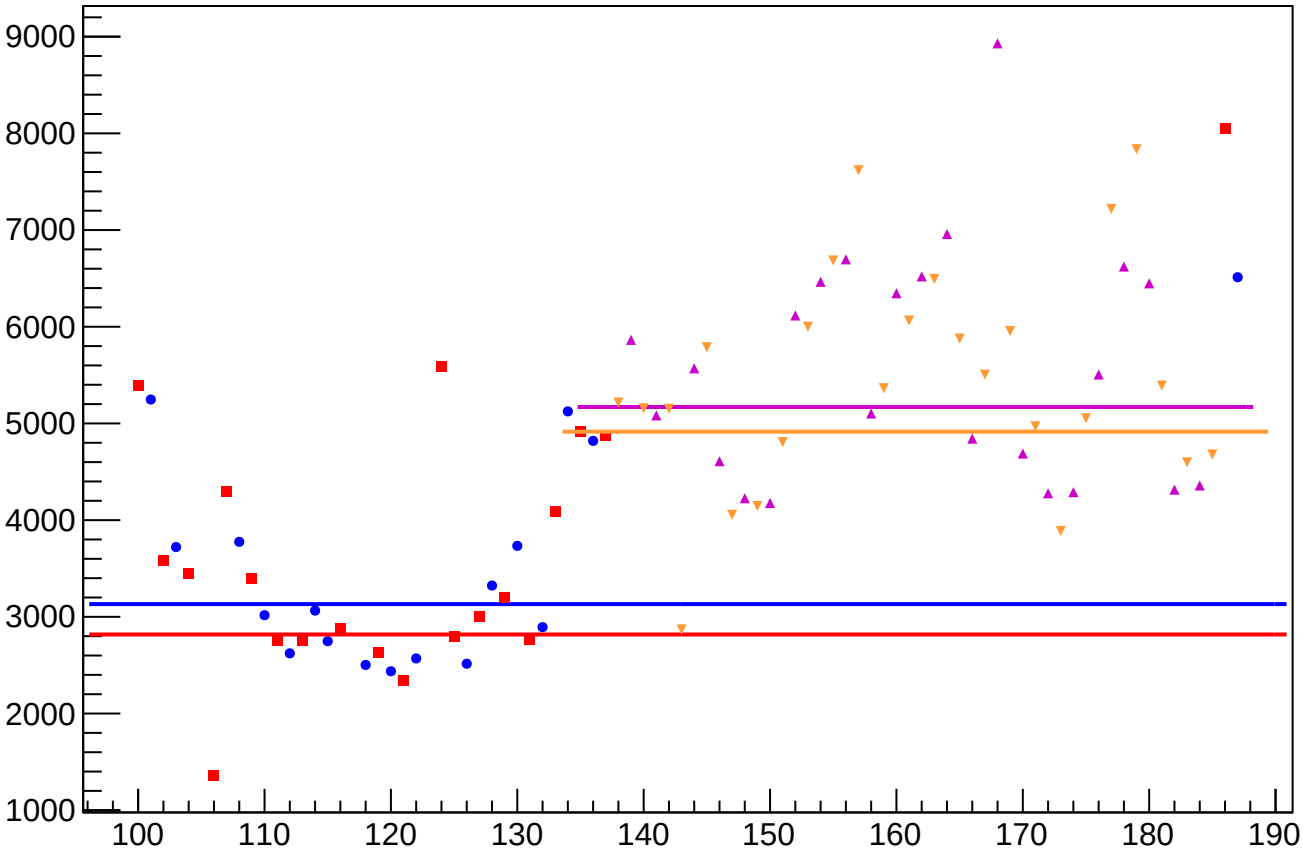
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: 95.935+/-795.237 χ^2/NDF: 41.0/36

In: -304.515+/-858.517 χ^2/NDF:29.2/39

Out: -315.766+/-783.552 χ^2/NDF:58.8/44

All: -310.653+/-578.746 χ^2/NDF: 88.1/84



Right In: 3131.709+/-0.845 χ^2/NDF: 985529.9/16

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2817.500+/-0.754 χ^2/NDF: 1697291.6/19

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

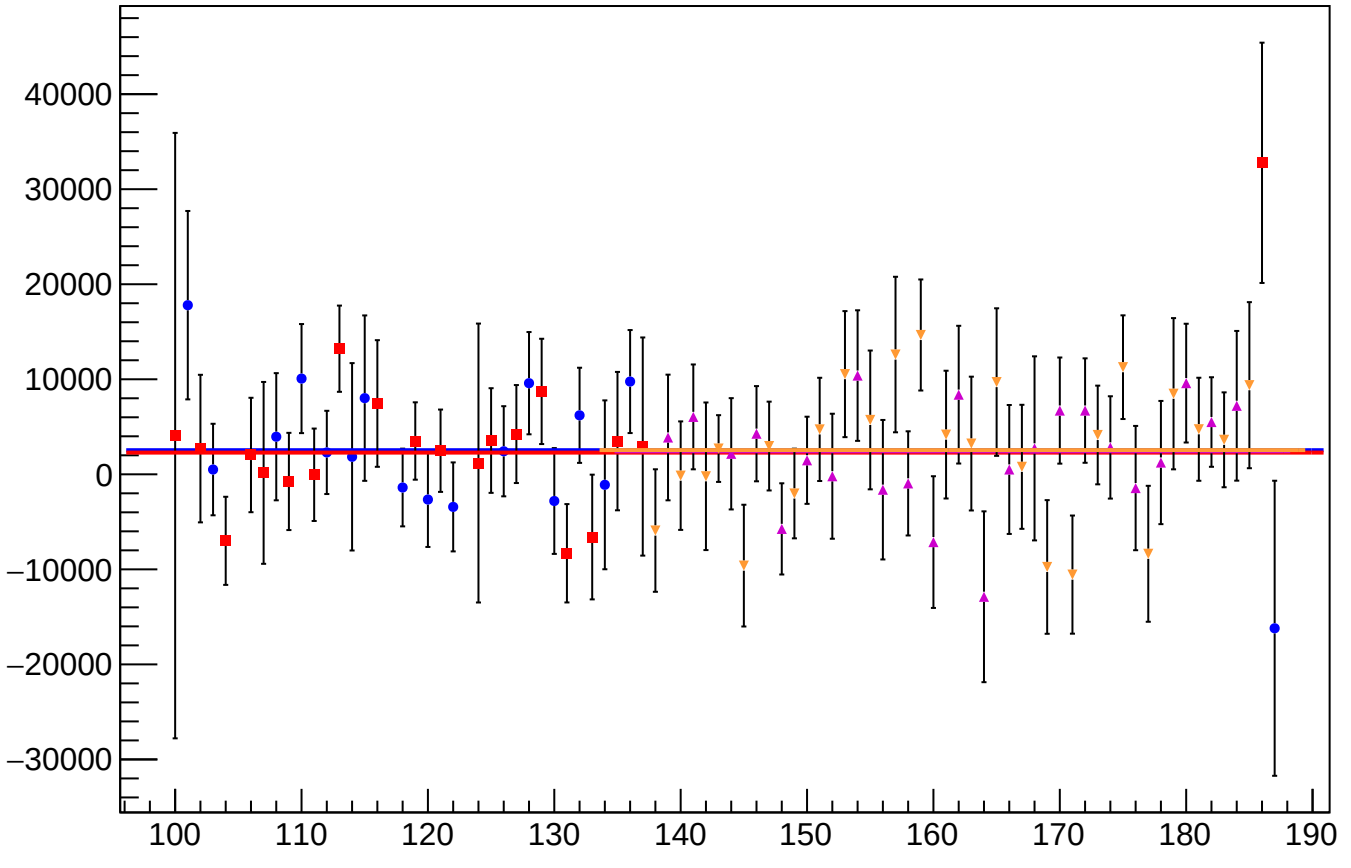
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 2956.719+/-0.562 χ^2/NDF: 2759867.0/36

In: 4117.446+/-0.607 χ^2/NDF:5149721.9/39

Out: 3781.048+/-0.554 χ^2/NDF:7423596.9/44

All: 3933.922+/-0.409 χ^2/NDF: 12740844.0/8



Right In: 2537.360+/-1374.487 χ^2/NDF: 14.9/16

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 2284.694+/-1325.637 χ^2/NDF: 24.6/19

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

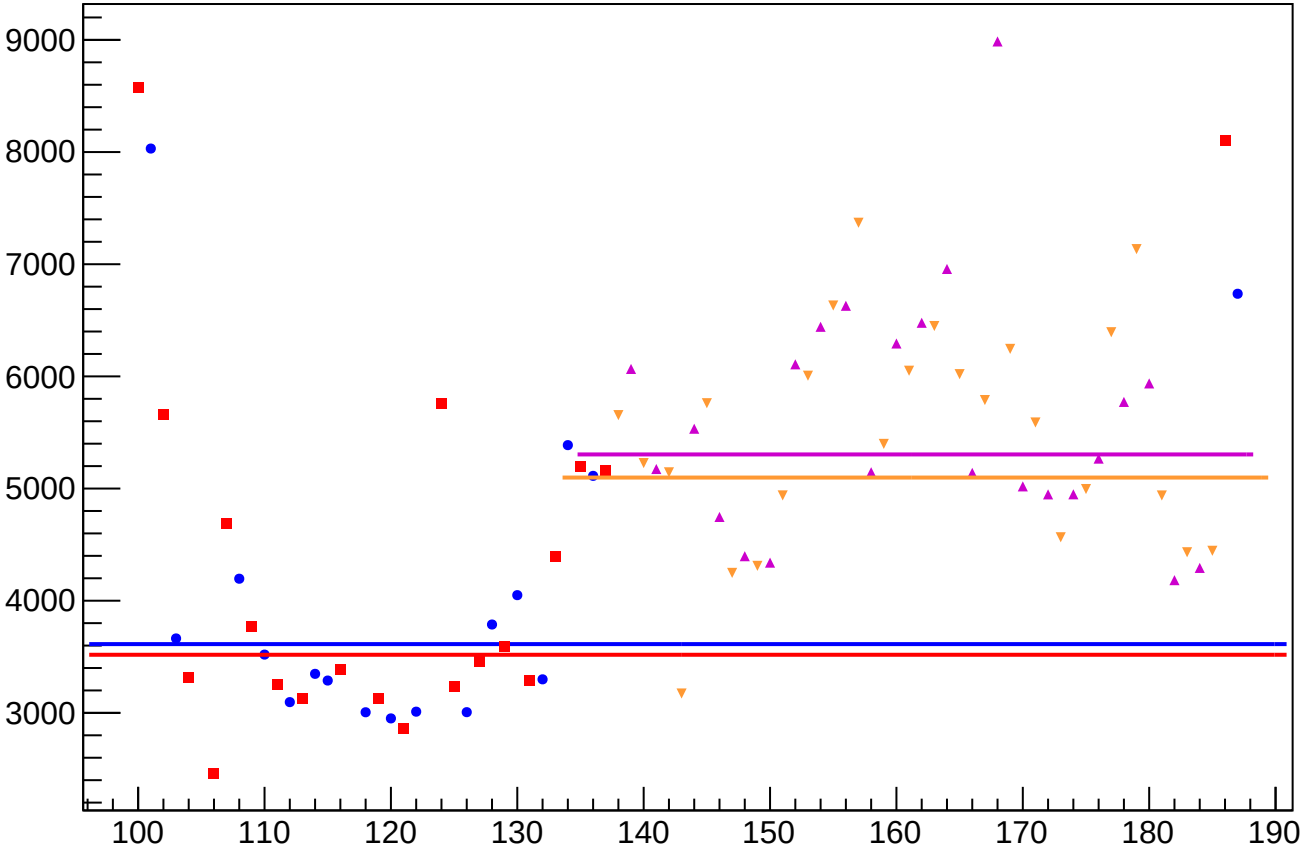
Right: 2406.457+/-954.169 χ^2/NDF: 39.5/36

In: 2475.213+/-928.657 χ^2/NDF:29.9/39

Out: 2430.243+/-884.578 χ^2/NDF:53.7/44

All: 2451.635+/-640.507 χ^2/NDF: 83.6/84

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3613.112+/-0.972 χ^2/NDF: 926834.5/16

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3518.046+/-0.923 χ^2/NDF: 932258.9/19

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

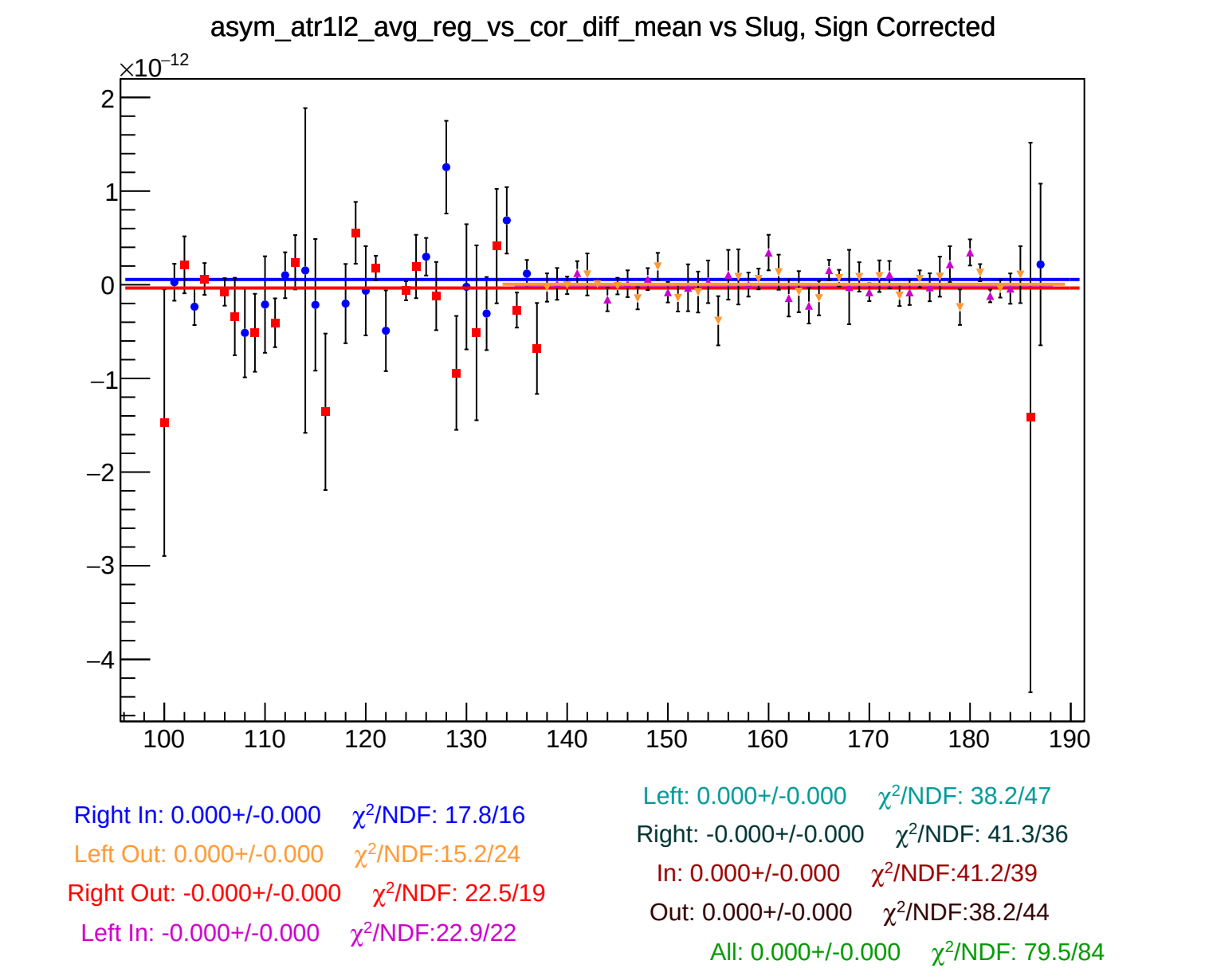
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

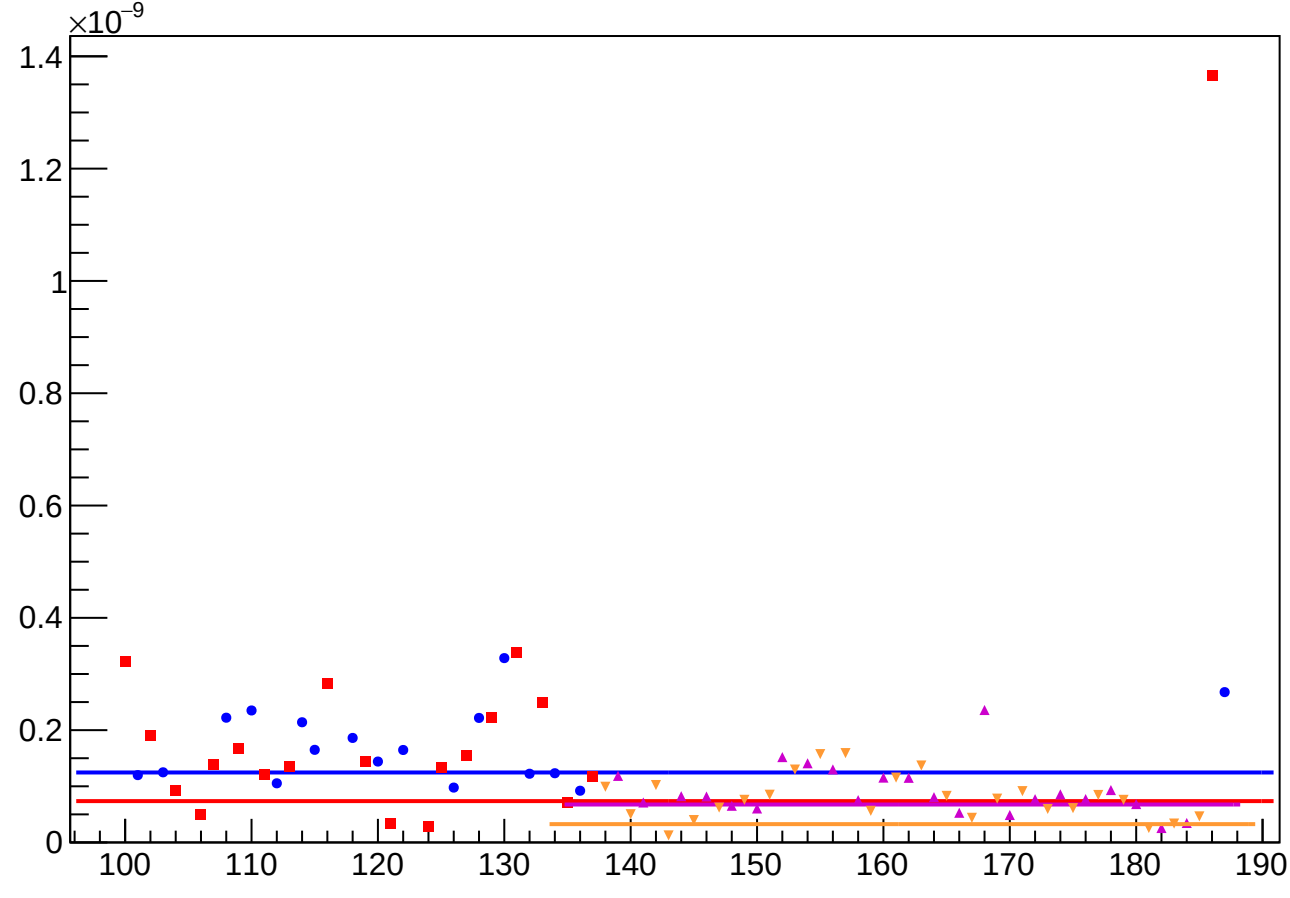
Right: 3563.142+/-0.669 χ^2/NDF: 1864122.5/36

In: 4532.221+/-0.657 χ^2/NDF:3590226.0/39

Out: 4382.659+/-0.621 χ^2/NDF:4079127.6/44

All: 4453.299+/-0.451 χ^2/NDF: 7696727.6/84


asym_atr1l2_avg_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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.8/16
Left Out: 0.000+/-0.000 χ²/NDF:15.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.5/19
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 38.2/47
Right: -0.000+/-0.000 χ²/NDF: 41.3/36
In: 0.000+/-0.000 χ²/NDF:41.2/39
Out: 0.000+/-0.000 χ²/NDF:38.2/44
All: 0.000+/-0.000 χ²/NDF: 79.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 717561.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2577391.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

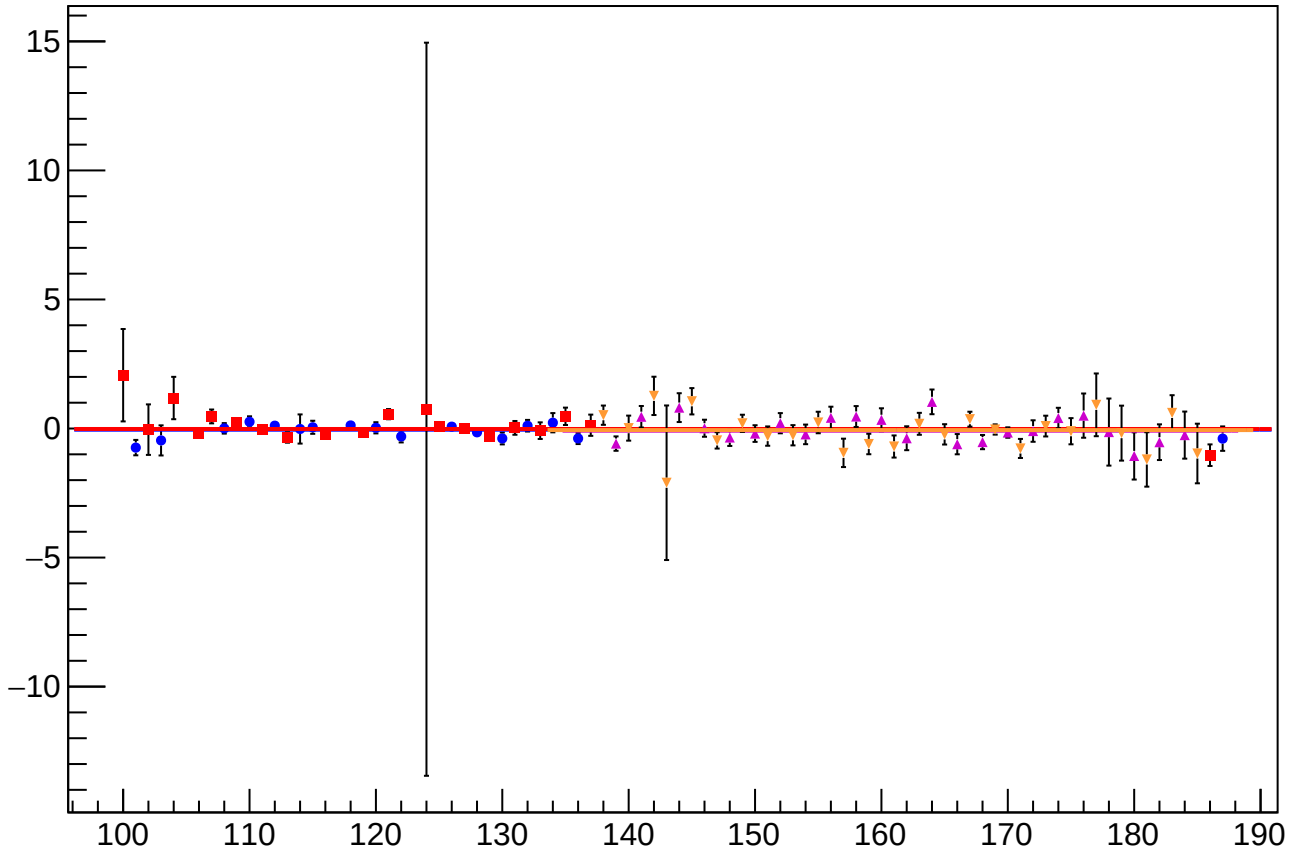
Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

Right: 0.000+/-0.000 χ^2/NDF: 3933254.4/36

In: 0.000+/-0.000 χ^2/NDF:4229636.5/39

Out: 0.000+/-0.000 χ^2/NDF:9777890.5/44

All: 0.000+/-0.000 χ^2/NDF: 17071313.4/84



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.051 χ^2/NDF: 34.7/19

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

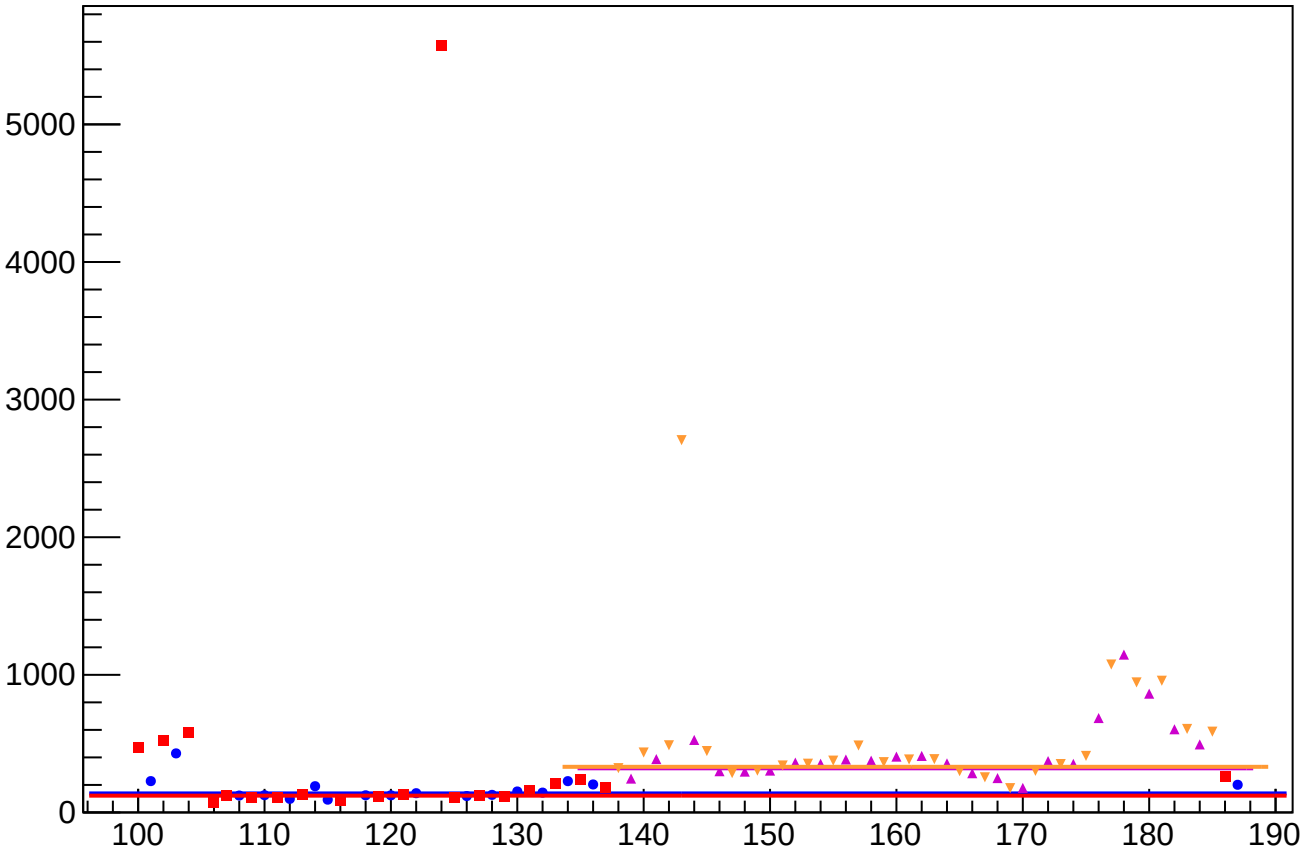
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.030+/-0.037 χ^2/NDF: 53.3/36

In: -0.057+/-0.046 χ^2/NDF:45.7/39

Out: -0.029+/-0.043 χ^2/NDF:65.7/44

All: -0.042+/-0.031 χ^2/NDF: 111.5/84



Right In: 138.274+/-0.039 χ^2/NDF: 1304053.2/16

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 122.096+/-0.036 χ^2/NDF: 2370430.4/19

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

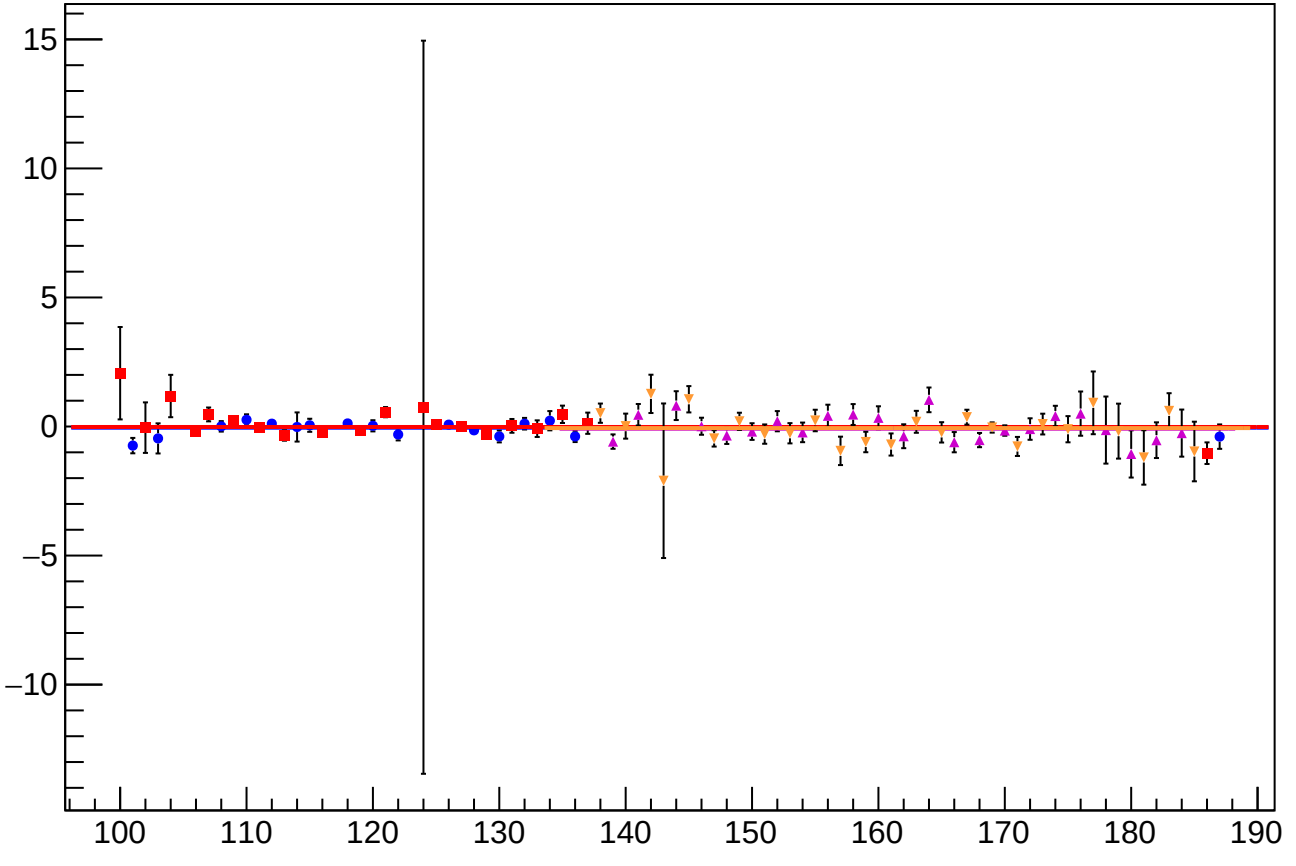
Right: 129.442+/-0.026 χ^2/NDF: 3767482.3/36

In: 196.337+/-0.032 χ^2/NDF:12447279.2/39

Out: 178.114+/-0.031 χ^2/NDF:17395441.9/44

All: 186.714+/-0.022 χ^2/NDF: 30010122.9/84

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.051 χ^2/NDF: 34.7/19

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

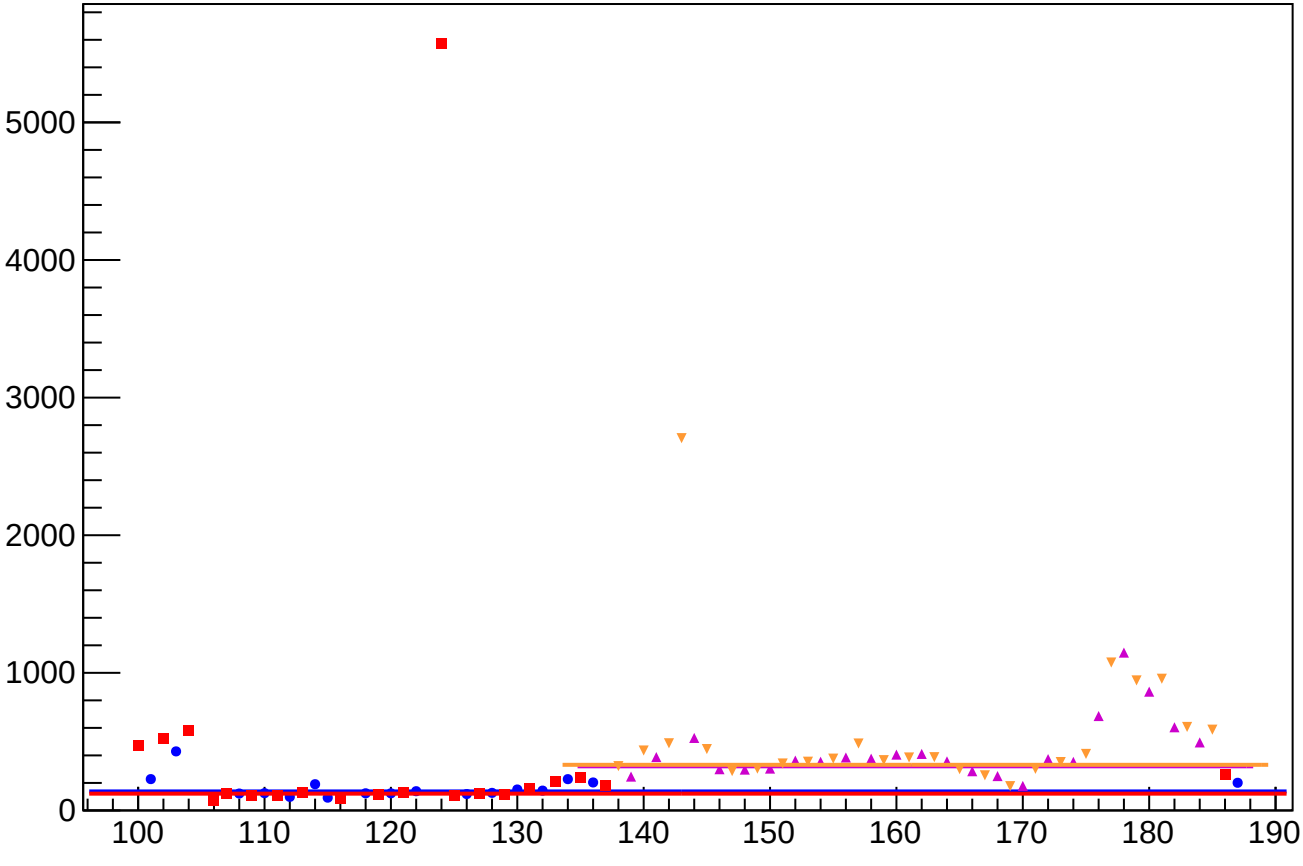
Right: -0.030+/-0.037 χ^2/NDF: 53.3/36

In: -0.057+/-0.046 χ^2/NDF:45.7/39

Out: -0.029+/-0.043 χ^2/NDF:65.7/44

All: -0.042+/-0.031 χ^2/NDF: 111.5/84

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 138.274+/-0.039 χ^2/NDF: 1304053.2/16

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 122.096+/-0.036 χ^2/NDF: 2370430.4/19

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

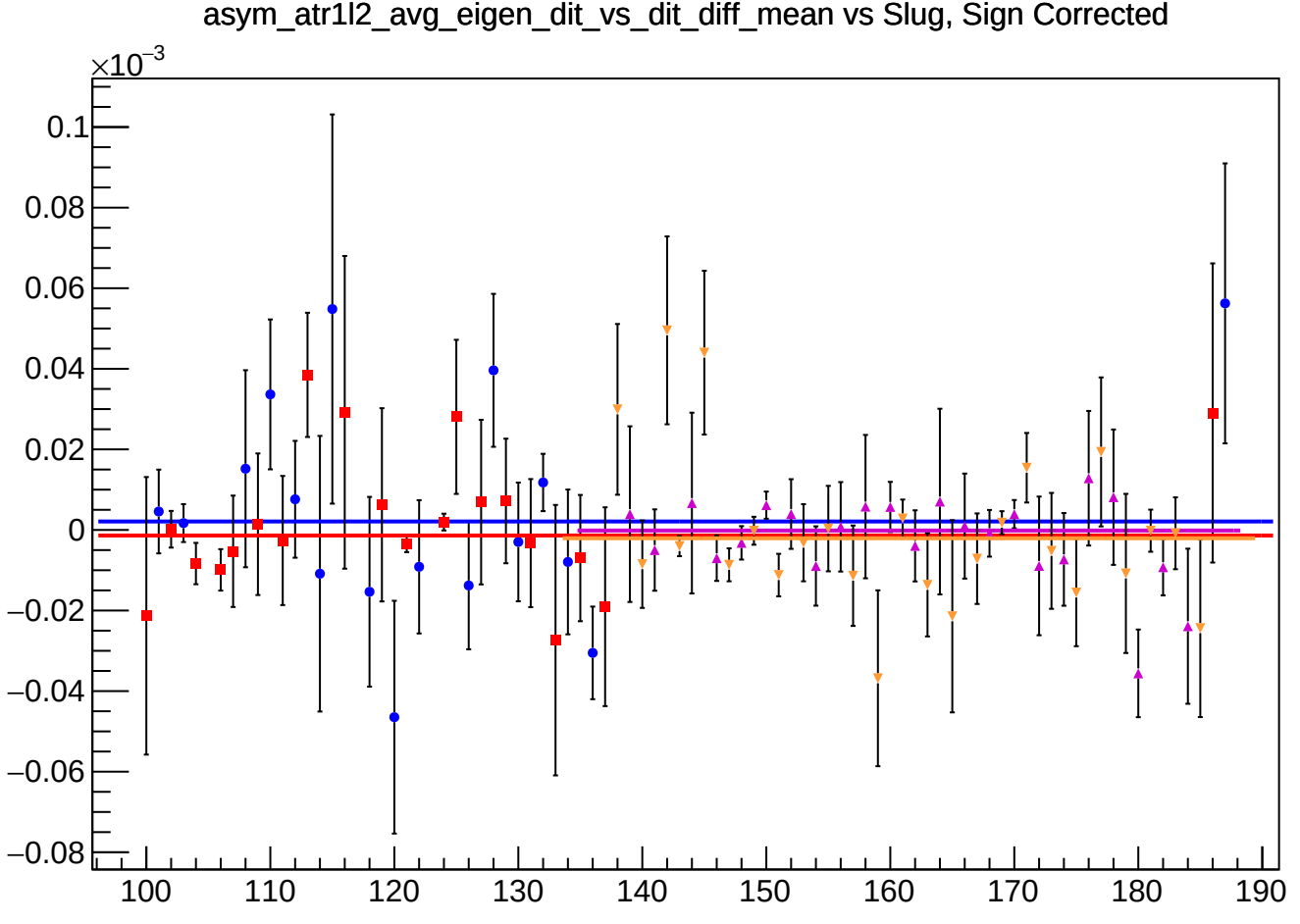
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

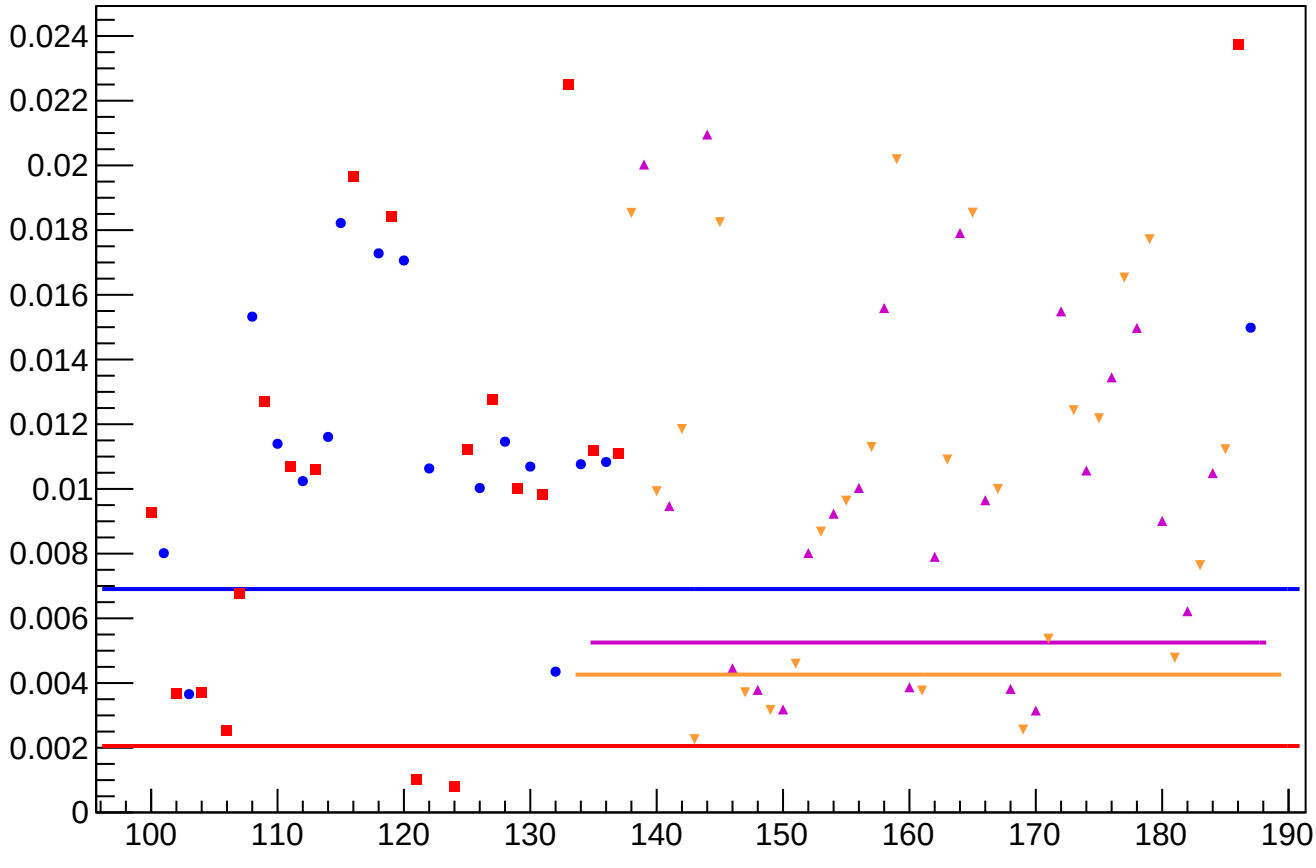
Right: 129.442+/-0.026 χ^2/NDF: 3767482.3/36

In: 196.337+/-0.032 χ^2/NDF:12447279.2/39

Out: 178.114+/-0.031 χ^2/NDF:17395441.9/44

All: 186.714+/-0.022 χ^2/NDF: 30010122.9/84


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 26.2/16
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.9/19
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: -0.000+/-0.000 χ²/NDF: 48.3/36
In: 0.000+/-0.000 χ²/NDF:51.6/39
Out: -0.000+/-0.000 χ²/NDF:55.9/44
All: -0.000+/-0.000 χ²/NDF: 109.1/84



Right In: 0.007+/-0.000 χ^2/NDF: 3339014.1/16

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9691507.4/19

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

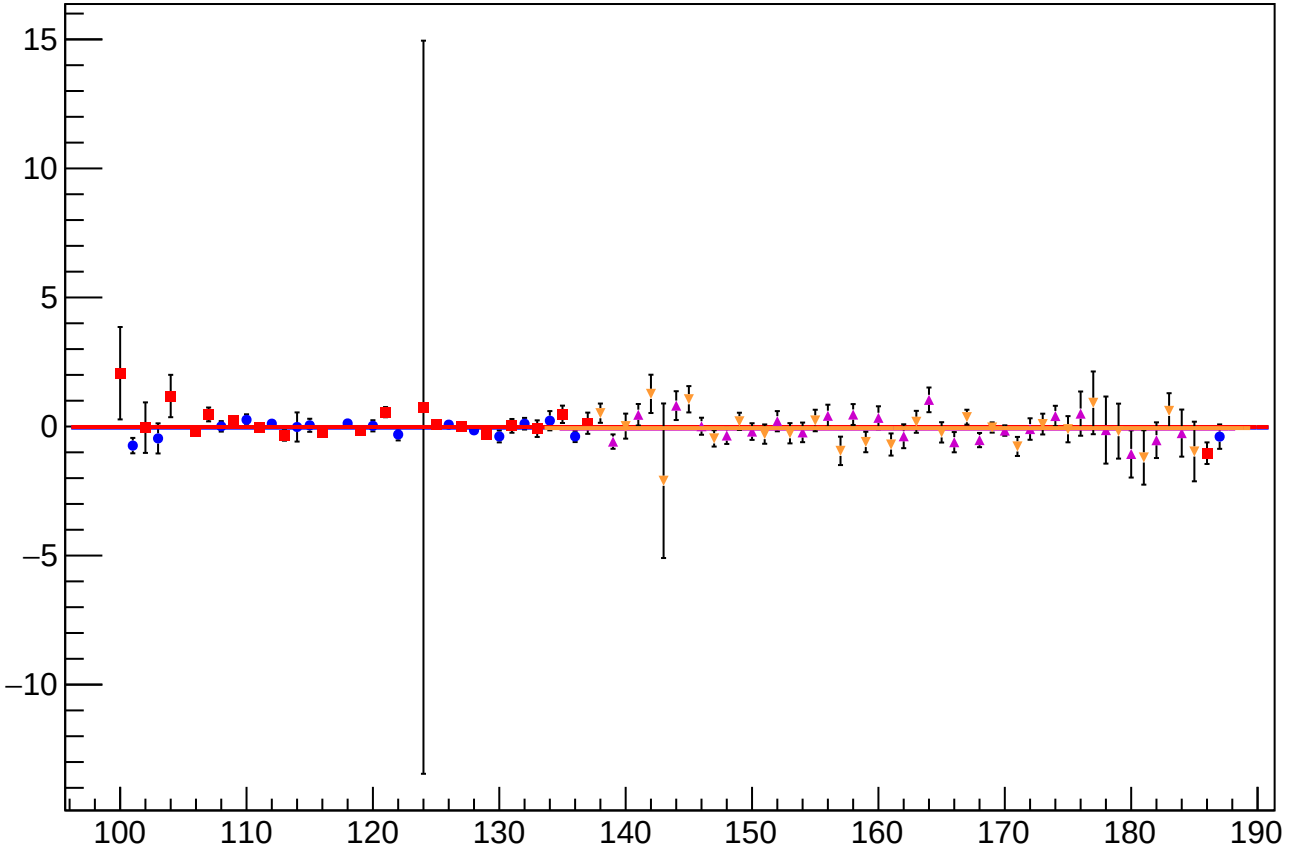
Right: 0.003+/-0.000 χ^2/NDF: 17592289.5/36

In: 0.006+/-0.000 χ^2/NDF:13365022.0/39

Out: 0.003+/-0.000 χ^2/NDF:25778003.2/44

All: 0.004+/-0.000 χ^2/NDF: 43673822.7/84

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.051 χ^2/NDF: 34.7/19

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

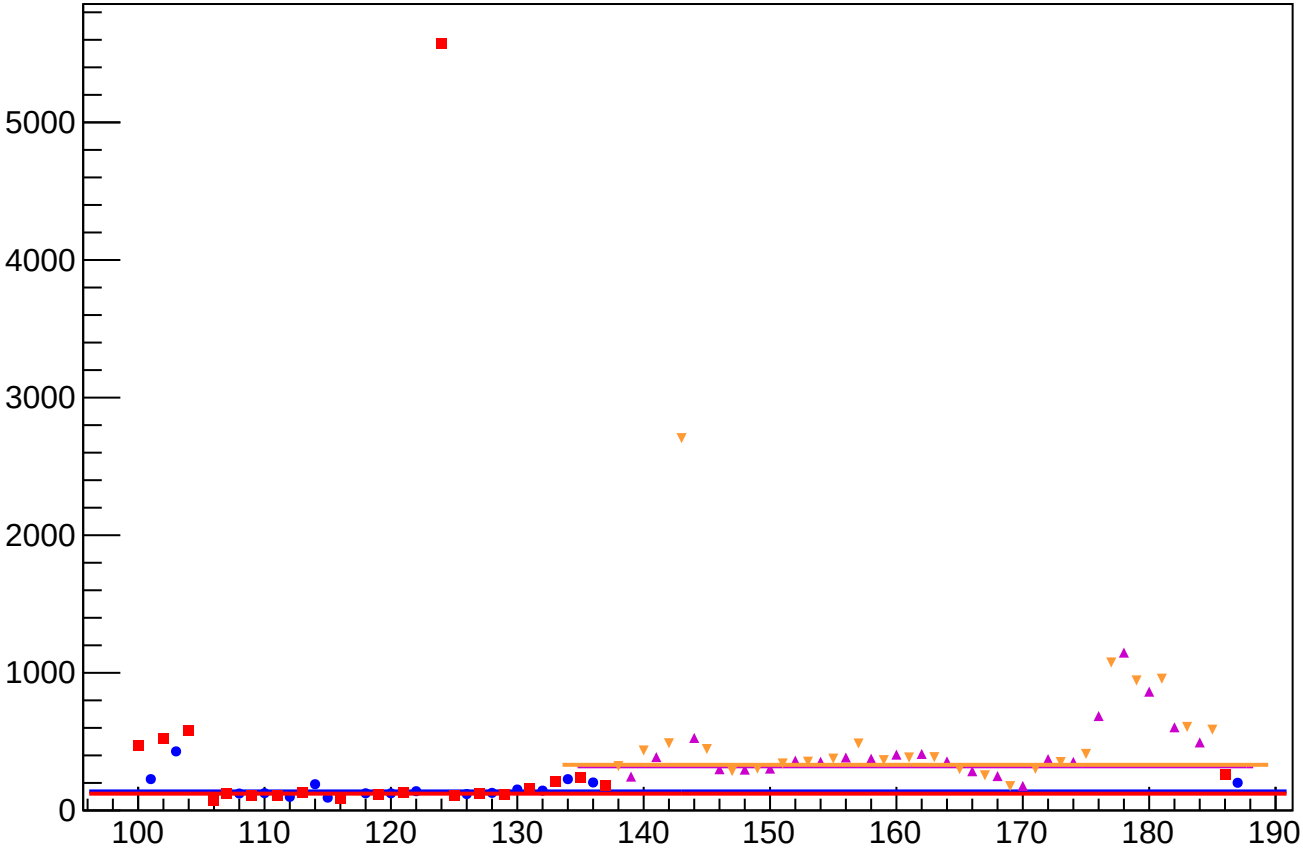
Right: -0.030+/-0.037 χ^2/NDF: 53.3/36

In: -0.057+/-0.046 χ^2/NDF:45.7/39

Out: -0.029+/-0.043 χ^2/NDF:65.7/44

All: -0.042+/-0.031 χ^2/NDF: 111.5/84

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 138.275+/-0.039 χ^2/NDF: 1304001.1/16

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 122.096+/-0.036 χ^2/NDF: 2370343.9/19

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

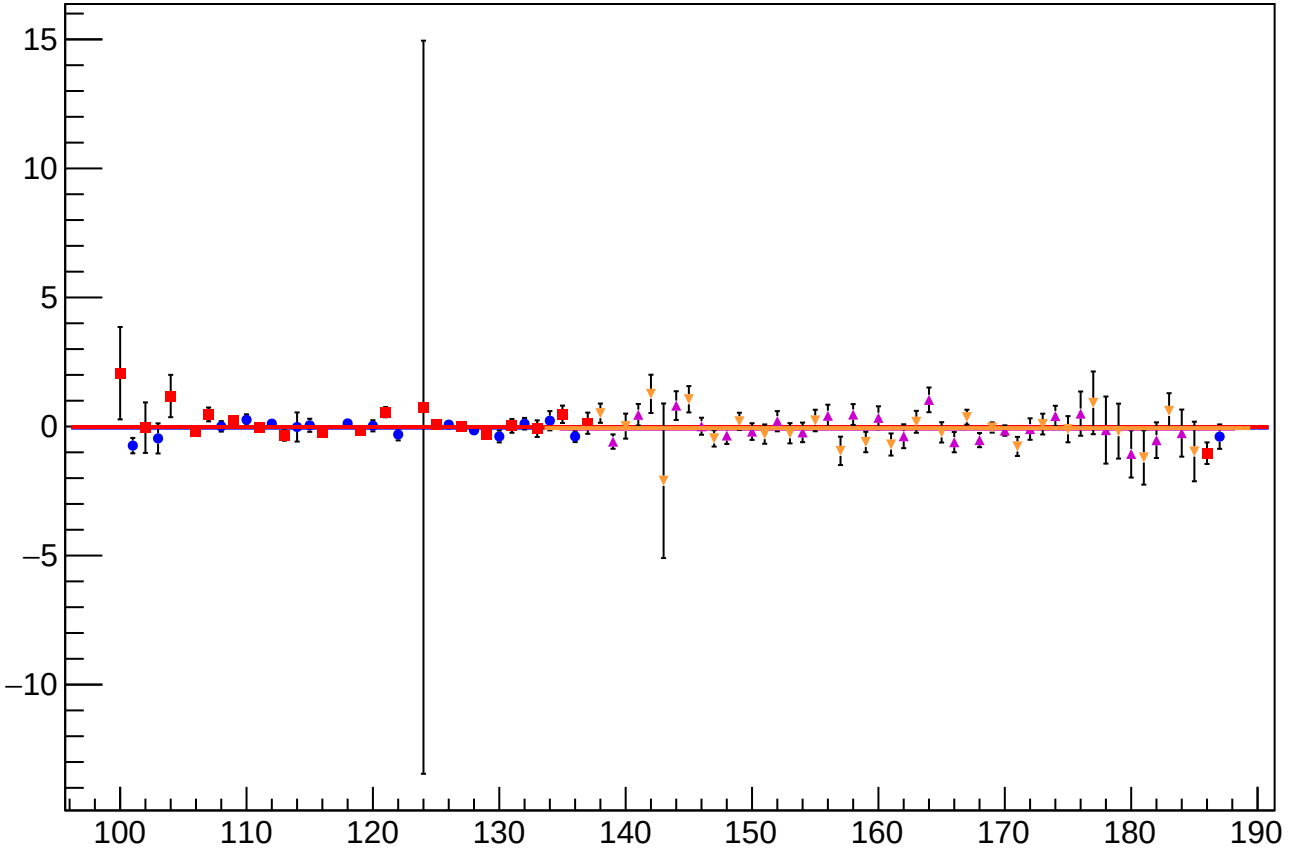
Right: 129.442+/-0.026 χ^2/NDF: 3767354.0/36

In: 196.339+/-0.032 χ^2/NDF:12447258.2/39

Out: 178.114+/-0.031 χ^2/NDF:17395501.1/44

All: 186.714+/-0.022 χ^2/NDF: 30010187.2/84

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.051 χ^2/NDF: 34.7/19

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

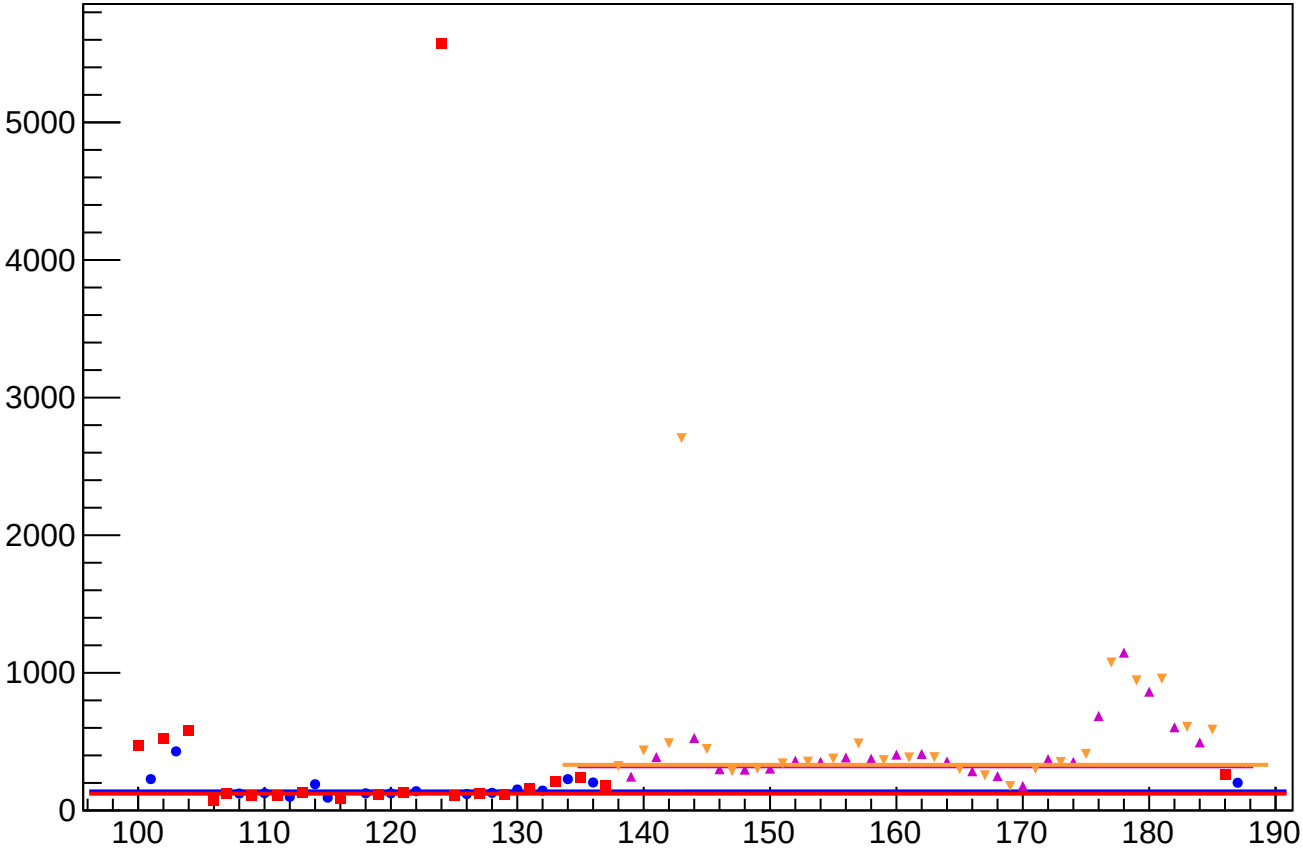
Right: -0.030+/-0.037 χ^2/NDF: 53.3/36

In: -0.057+/-0.046 χ^2/NDF:45.7/39

Out: -0.029+/-0.043 χ^2/NDF:65.7/44

All: -0.042+/-0.031 χ^2/NDF: 111.5/84

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 138.275+/-0.039 χ^2/NDF: 1304001.1/16

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 122.096+/-0.036 χ^2/NDF: 2370343.9/19

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

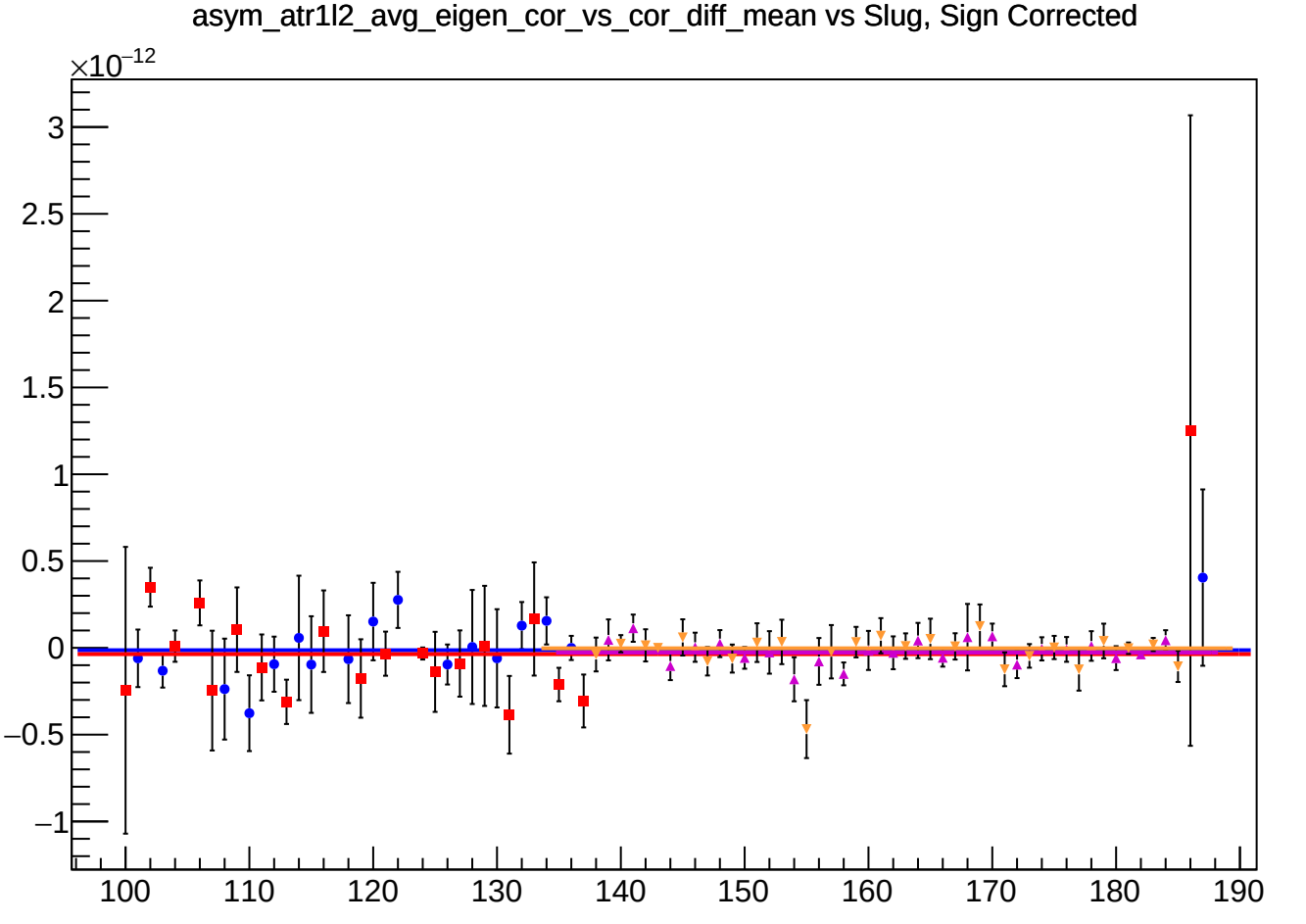
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 129.442+/-0.026 χ^2/NDF: 3767354.0/36

In: 196.339+/-0.032 χ^2/NDF:12447258.2/39

Out: 178.114+/-0.031 χ^2/NDF:17395501.1/44

All: 186.714+/-0.022 χ^2/NDF: 30010187.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/19

Left In: -0.000+/-0.000 χ^2/NDF:16.1/22

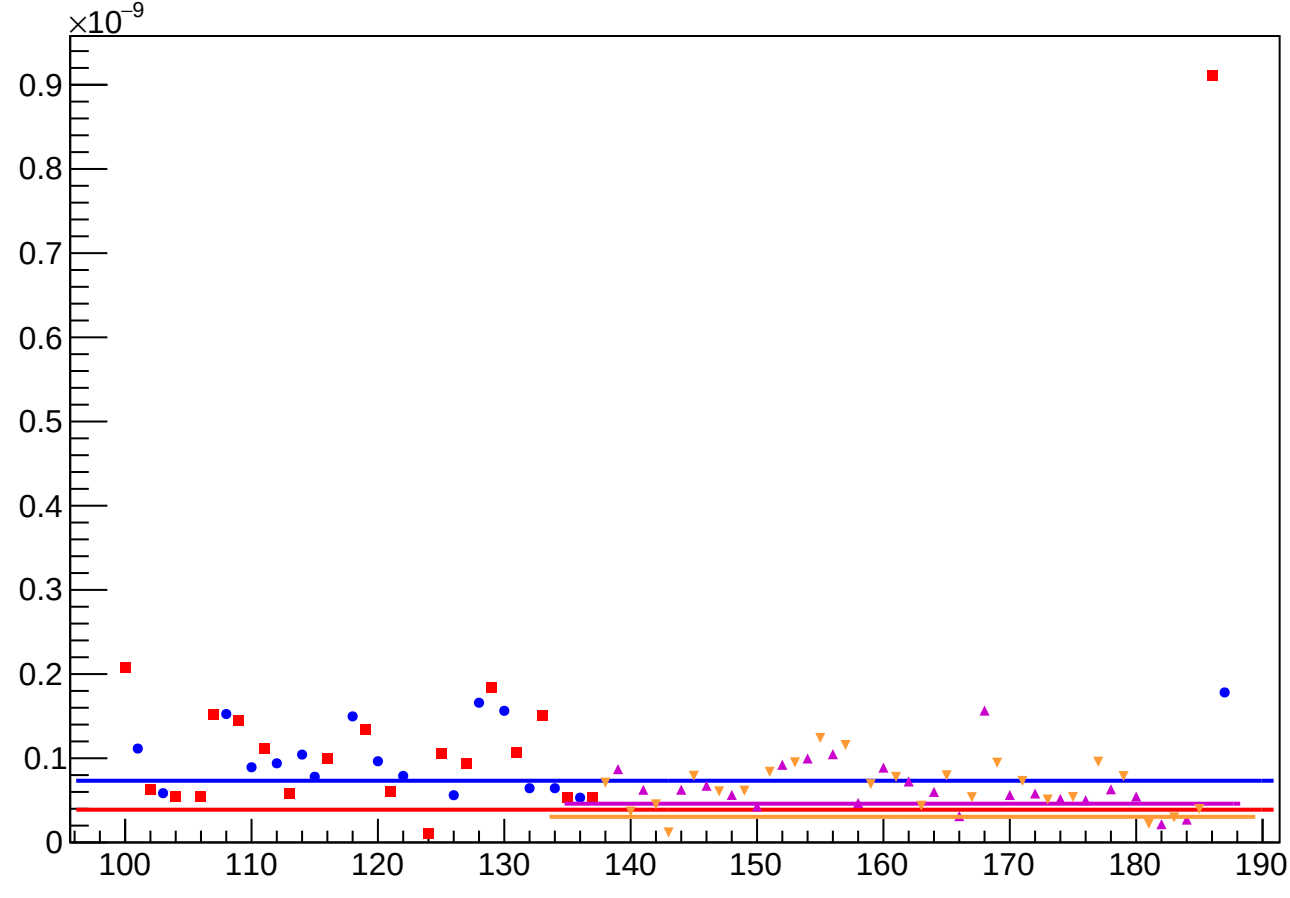
Left: -0.000+/-0.000 χ^2/NDF: 34.9/47

Right: -0.000+/-0.000 χ^2/NDF: 46.9/36

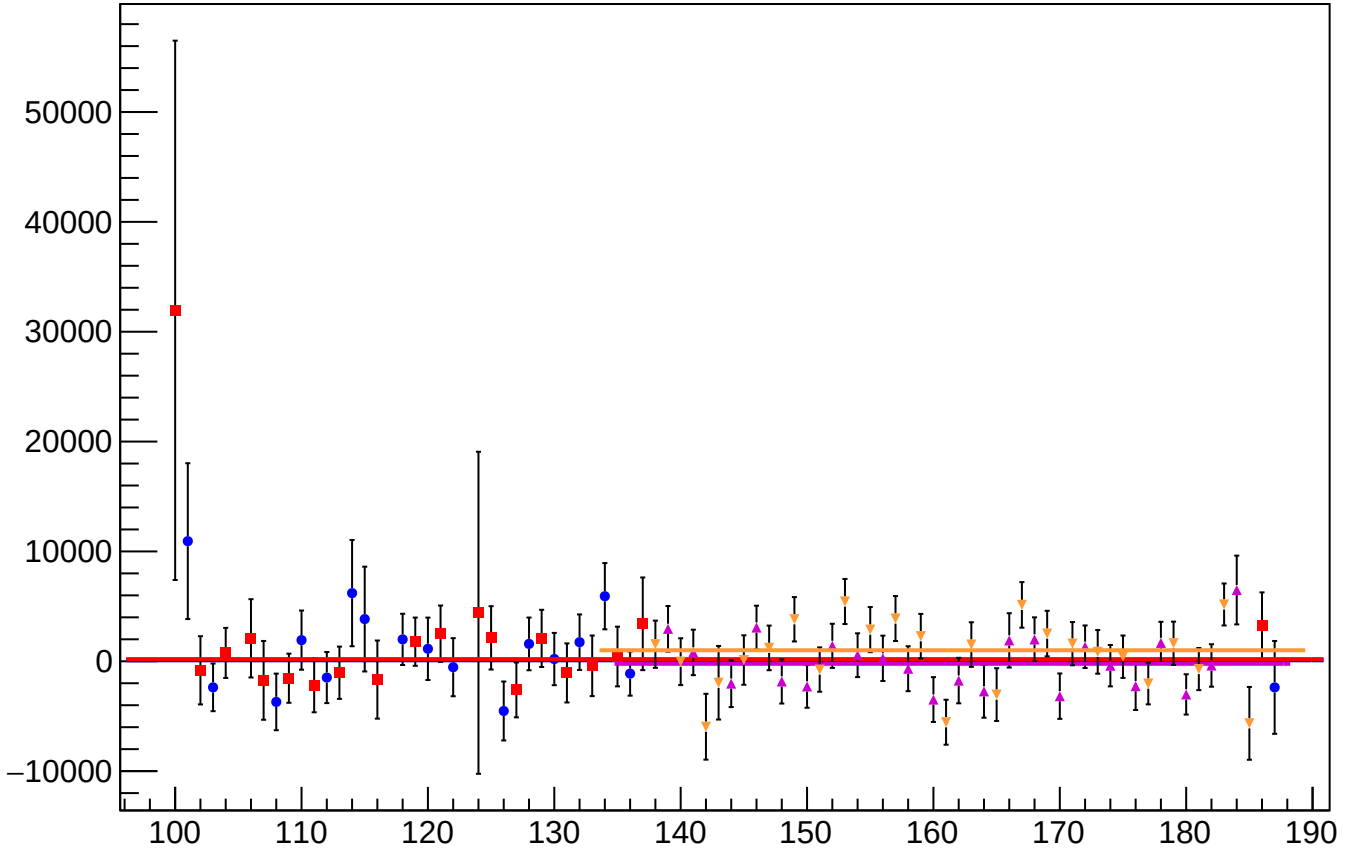
In: -0.000+/-0.000 χ^2/NDF:29.2/39

Out: -0.000+/-0.000 χ^2/NDF:52.1/44

All: -0.000+/-0.000 χ^2/NDF: 82.4/84


asym_atr1l2_avg_eigen_cor_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
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1213791.7/16
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4727876.4/19
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
Left: 0.000+/-0.000 χ²/NDF: 16912386.2/47
Right: 0.000+/-0.000 χ²/NDF: 7110485.1/36
In: 0.000+/-0.000 χ²/NDF:7051123.1/39
Out: 0.000+/-0.000 χ²/NDF:15434543.7/44
All: 0.000+/-0.000 χ²/NDF: 24772860.2/84

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 89.308+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 196.912+/-640.436 χ^2/NDF: 10.0/19

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

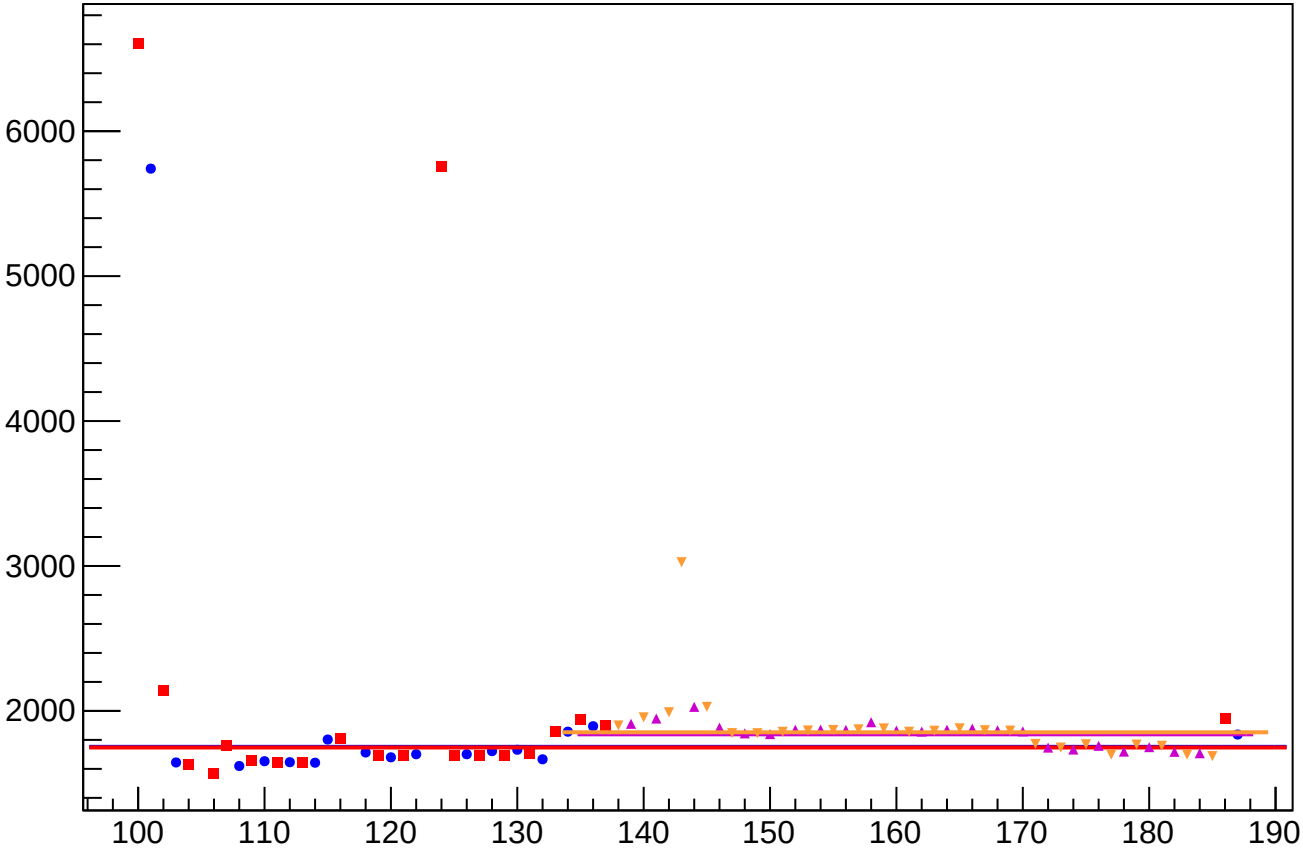
Right: 144.636+/-459.237 χ^2/NDF: 28.0/36

In: -134.241+/-359.921 χ^2/NDF:44.5/39

Out: 759.307+/-352.718 χ^2/NDF:58.5/44

All: 321.564+/-251.917 χ^2/NDF: 106.2/84

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1751.984+/-0.466 χ^2/NDF: 670406.7/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1747.717+/-0.450 χ^2/NDF: 313608.0/19

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

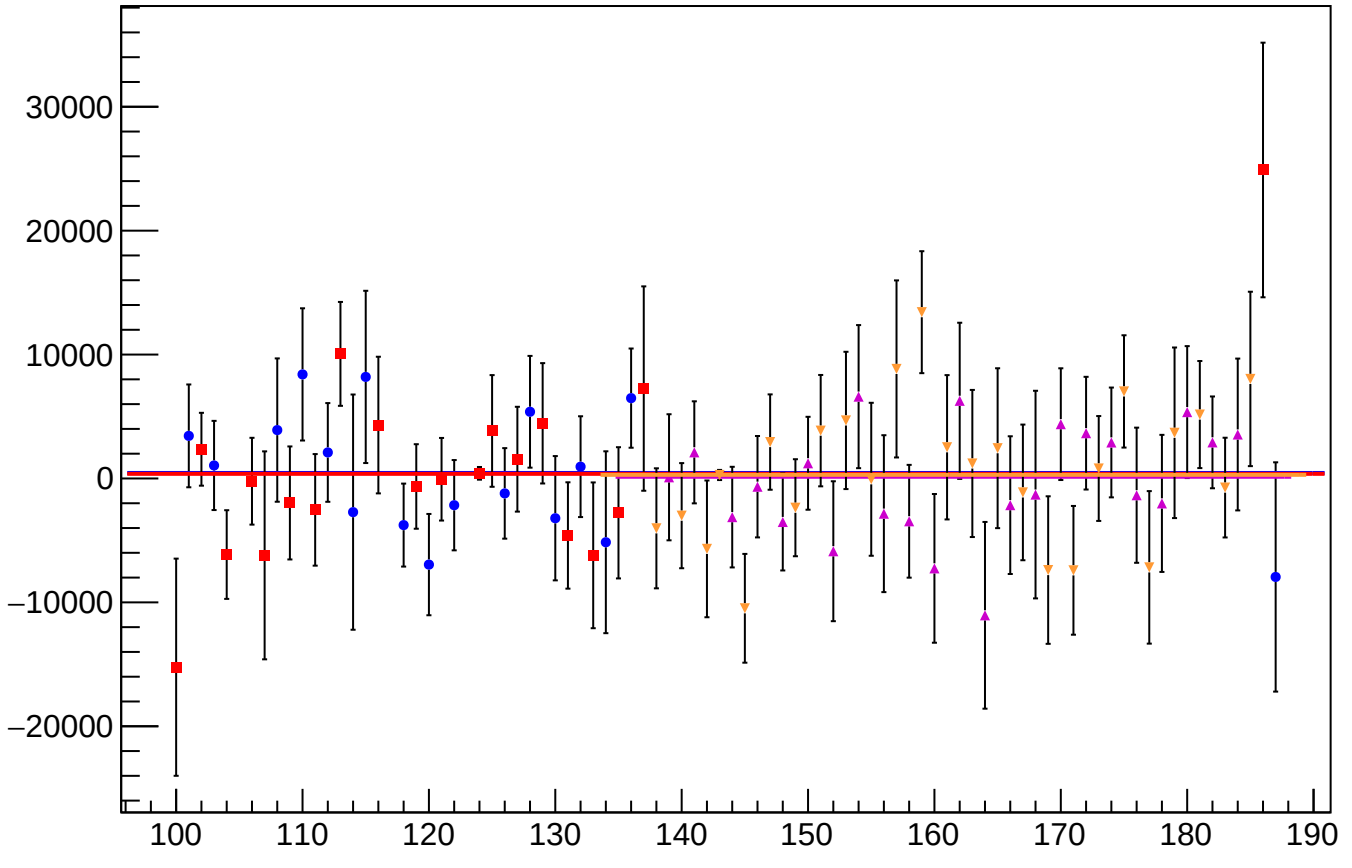
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1749.775+/-0.324 χ^2/NDF: 984058.2/36

In: 1812.703+/-0.255 χ^2/NDF:763094.4/39

Out: 1820.428+/-0.249 χ^2/NDF:672336.1/44

All: 1816.652+/-0.178 χ^2/NDF: 1435901.6/84



Right In: 443.483+/-1093.447 χ^2/NDF: 15.6/16

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 374.279+/-457.494 χ^2/NDF: 24.9/19

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

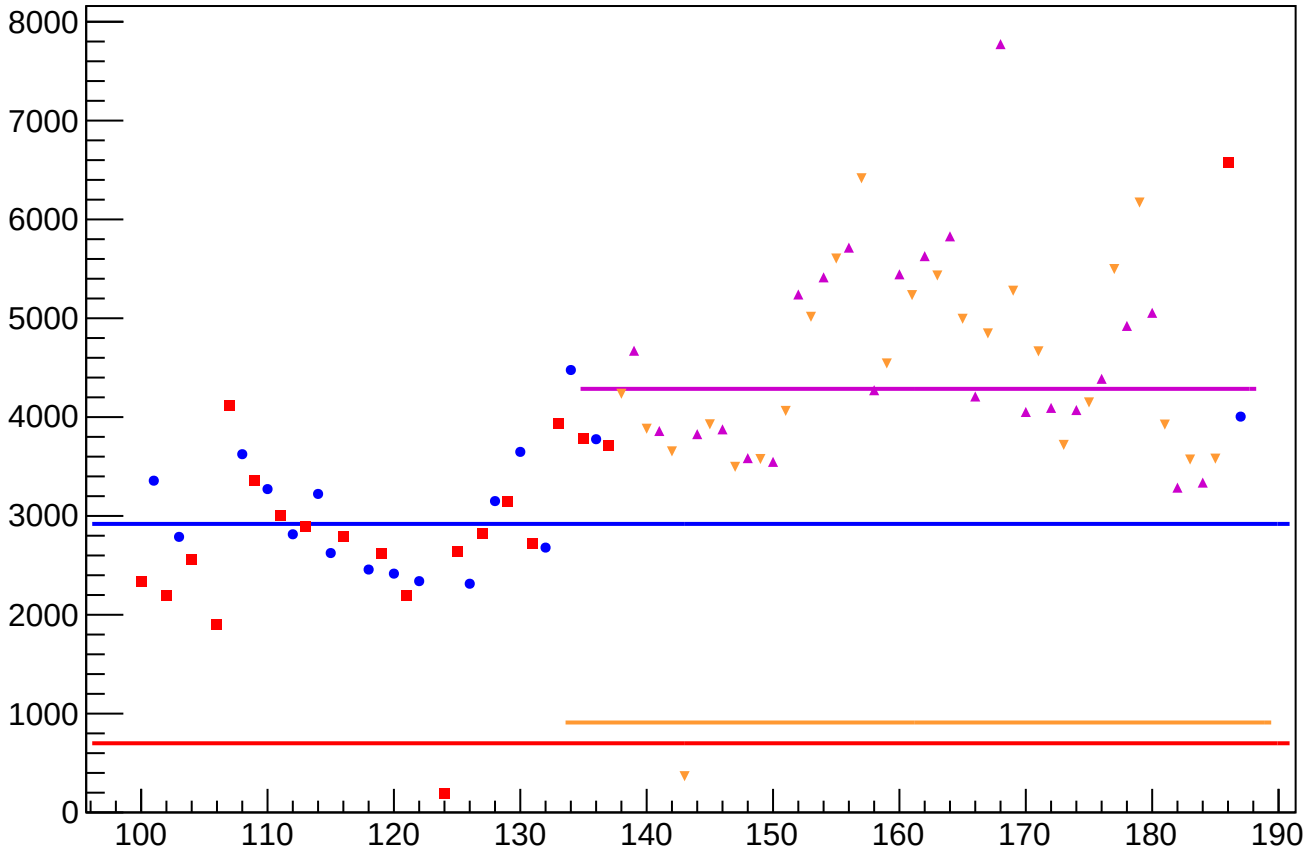
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 384.589+/-422.043 χ^2/NDF: 40.6/36

In: 280.763+/-747.012 χ^2/NDF:29.6/39

Out: 327.007+/-292.279 χ^2/NDF:55.0/44

All: 320.868+/-272.187 χ^2/NDF: 84.6/84



Right In: 2919.431+/-0.773 χ^2/NDF: 507685.9/16

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 699.982+/-0.323 χ^2/NDF: 10803255.9/19

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

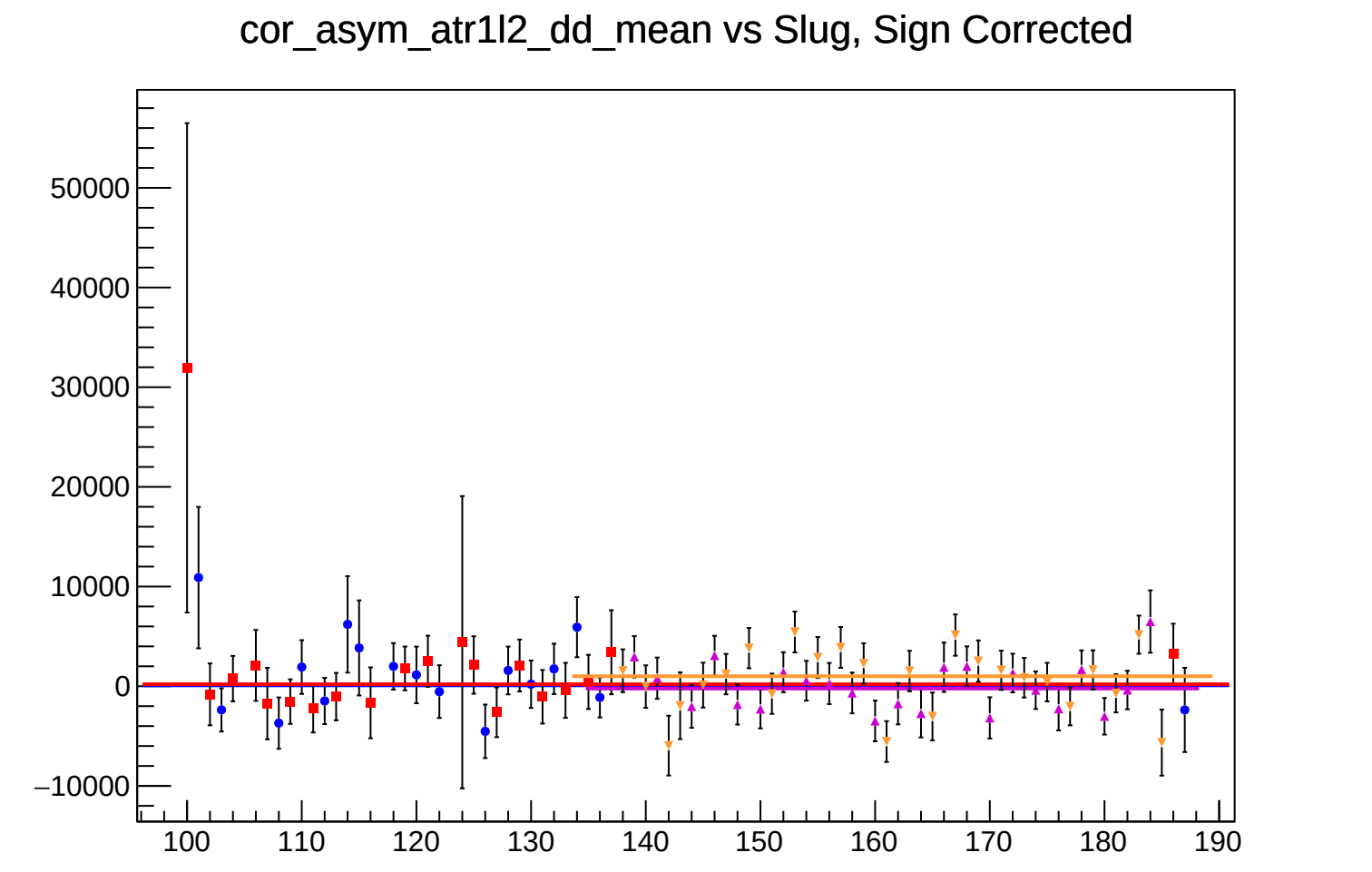
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1030.627+/-0.298 χ^2/NDF: 18323339.7/36

In: 3648.104+/-0.528 χ^2/NDF:3501142.9/39

Out: 824.360+/-0.207 χ^2/NDF:37827149.1/44

All: 1199.250+/-0.192 χ^2/NDF: 66111818.1/8


cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
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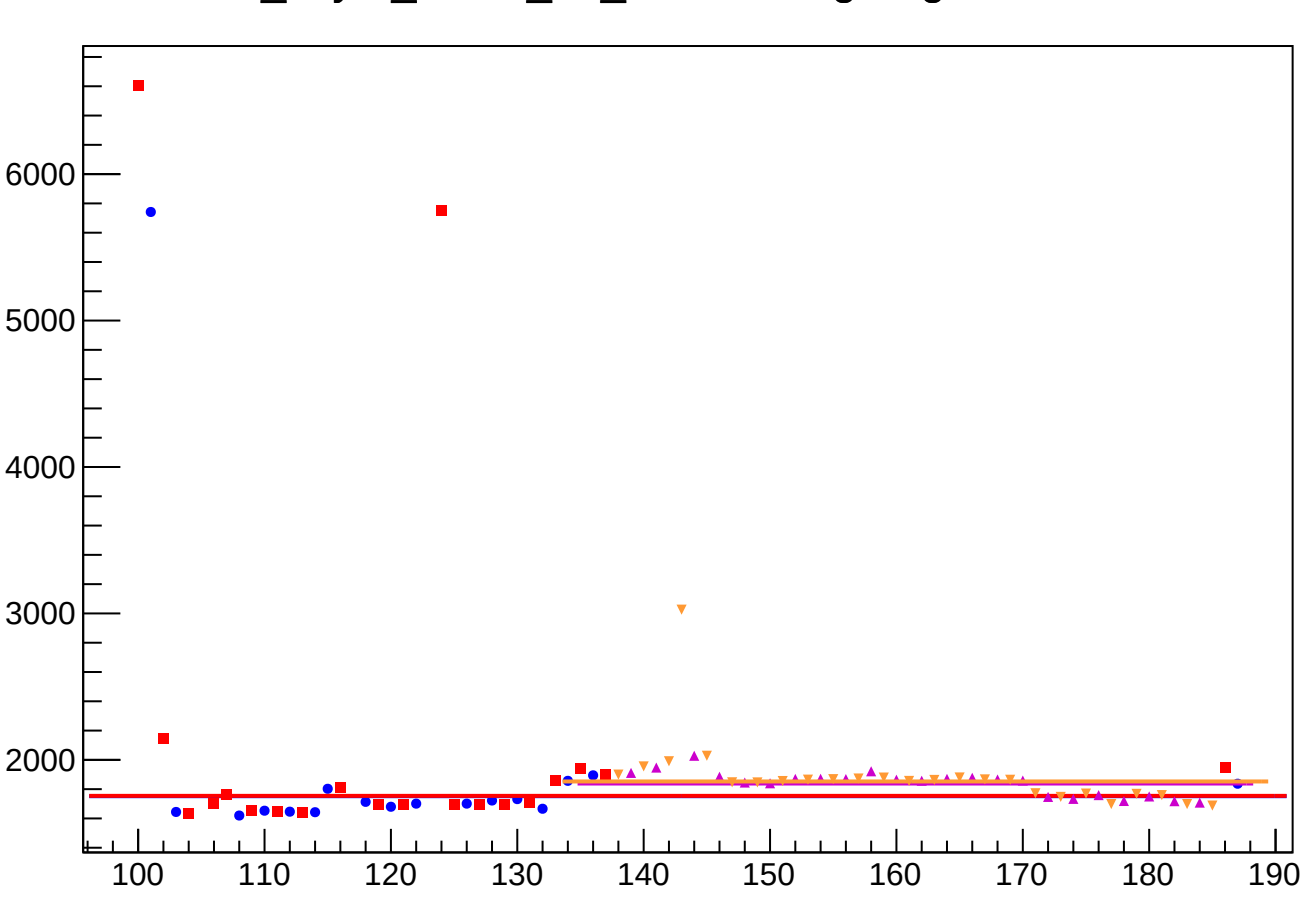
190
Right In: 88.864+/-658.876 χ²/NDF: 18.0/16
Left Out: 1004.123+/-422.582 χ²/NDF:47.4/24
Right Out: 196.956+/-640.436 χ²/NDF: 10.0/19
Left In: -229.236+/-429.699 χ²/NDF:26.4/22
Left: 397.741+/-301.295 χ²/NDF: 77.9/47
Right: 144.444+/-459.237 χ²/NDF: 28.0/36
In: -134.313+/-359.921 χ²/NDF:44.5/39
Out: 759.292+/-352.718 χ²/NDF:58.5/44
All: 321.521+/-251.917 χ²/NDF: 106.2/84



Right In: 1751.983+/-0.466 χ^2/NDF: 670406.9/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1754.179+/-0.451 χ^2/NDF: 306516.4/19

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

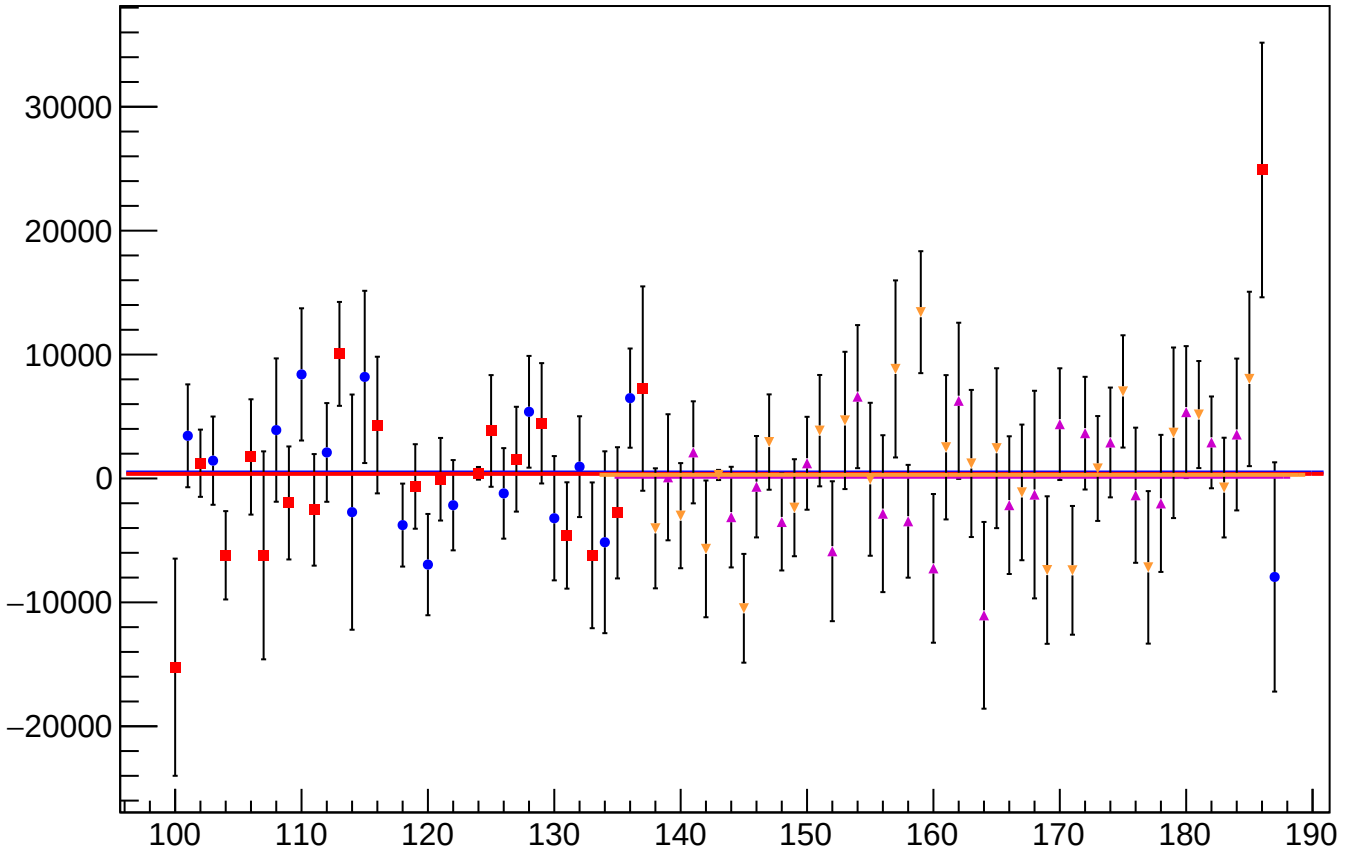
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1753.116+/-0.324 χ^2/NDF: 976934.8/36

In: 1812.703+/-0.255 χ^2/NDF:763094.8/39

Out: 1822.552+/-0.249 χ^2/NDF:660582.1/44

All: 1817.732+/-0.178 χ^2/NDF: 1424441.7/84



Right In: 481.045+/-1092.432 χ^2/NDF: 15.7/16

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 372.075+/-458.406 χ^2/NDF: 24.7/19

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

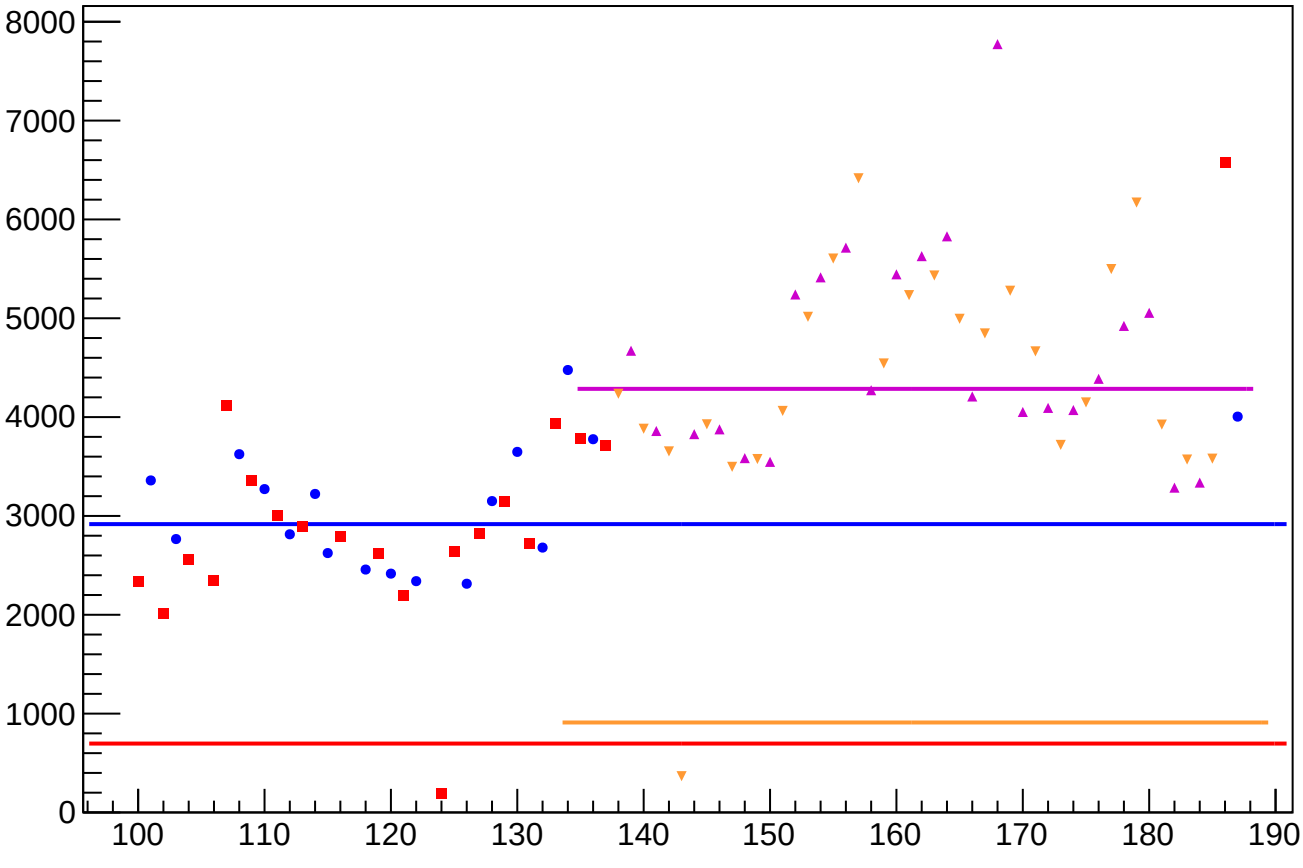
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 388.390+/-422.699 χ^2/NDF: 40.4/36

In: 298.410+/-746.687 χ^2/NDF:29.6/39

Out: 326.570+/-292.530 χ^2/NDF:54.8/44

All: 322.823+/-272.373 χ^2/NDF: 84.4/84



Right In: 2917.235+/-0.772 χ^2/NDF: 508958.2/16

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 696.972+/-0.324 χ^2/NDF: 10760815.7/19

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

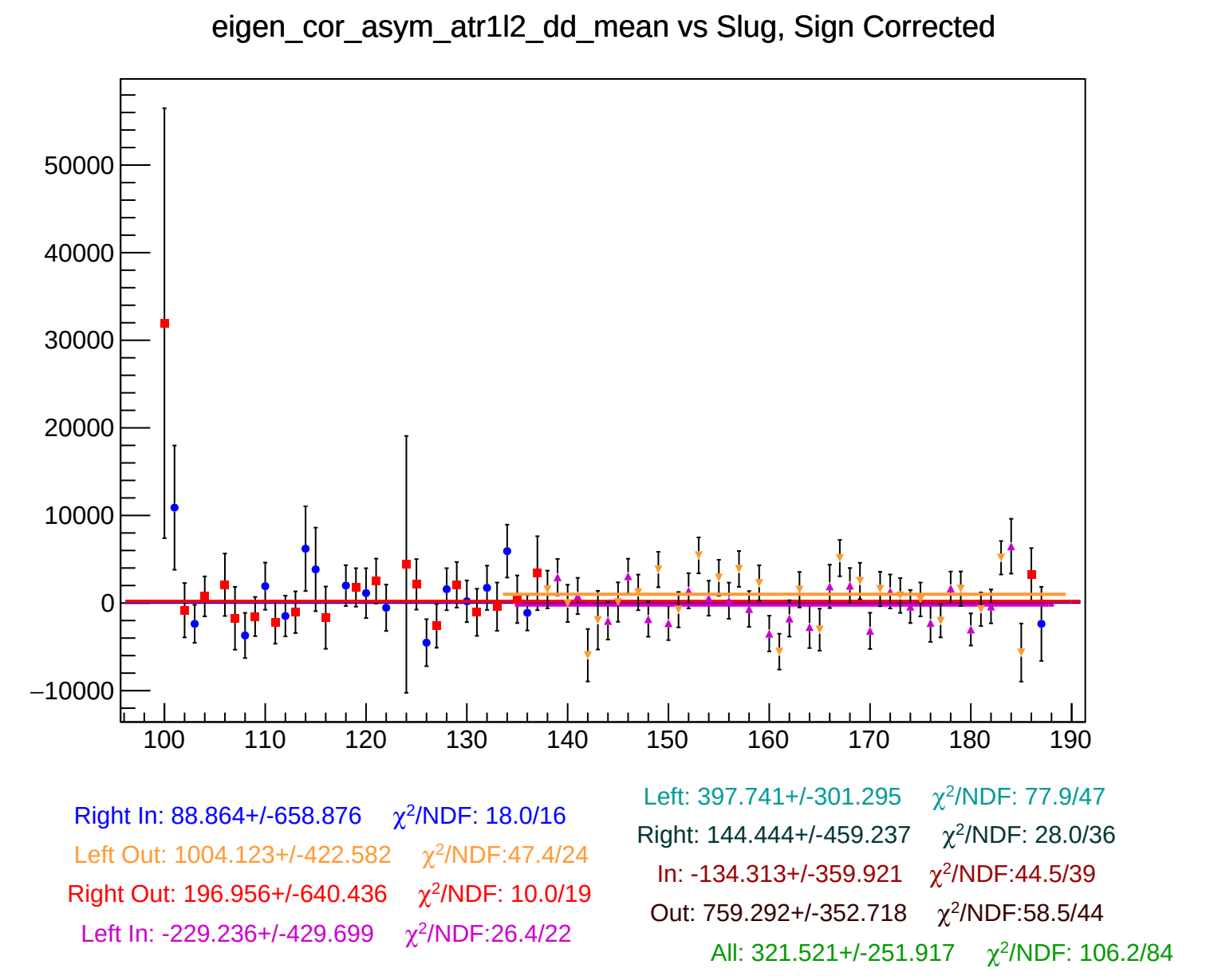
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1029.386+/-0.299 χ^2/NDF: 18294240.6/36

In: 3646.442+/-0.528 χ^2/NDF:3509421.4/39

Out: 823.399+/-0.207 χ^2/NDF:37790423.1/44

All: 1199.036+/-0.193 χ^2/NDF: 66084119.3/8


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
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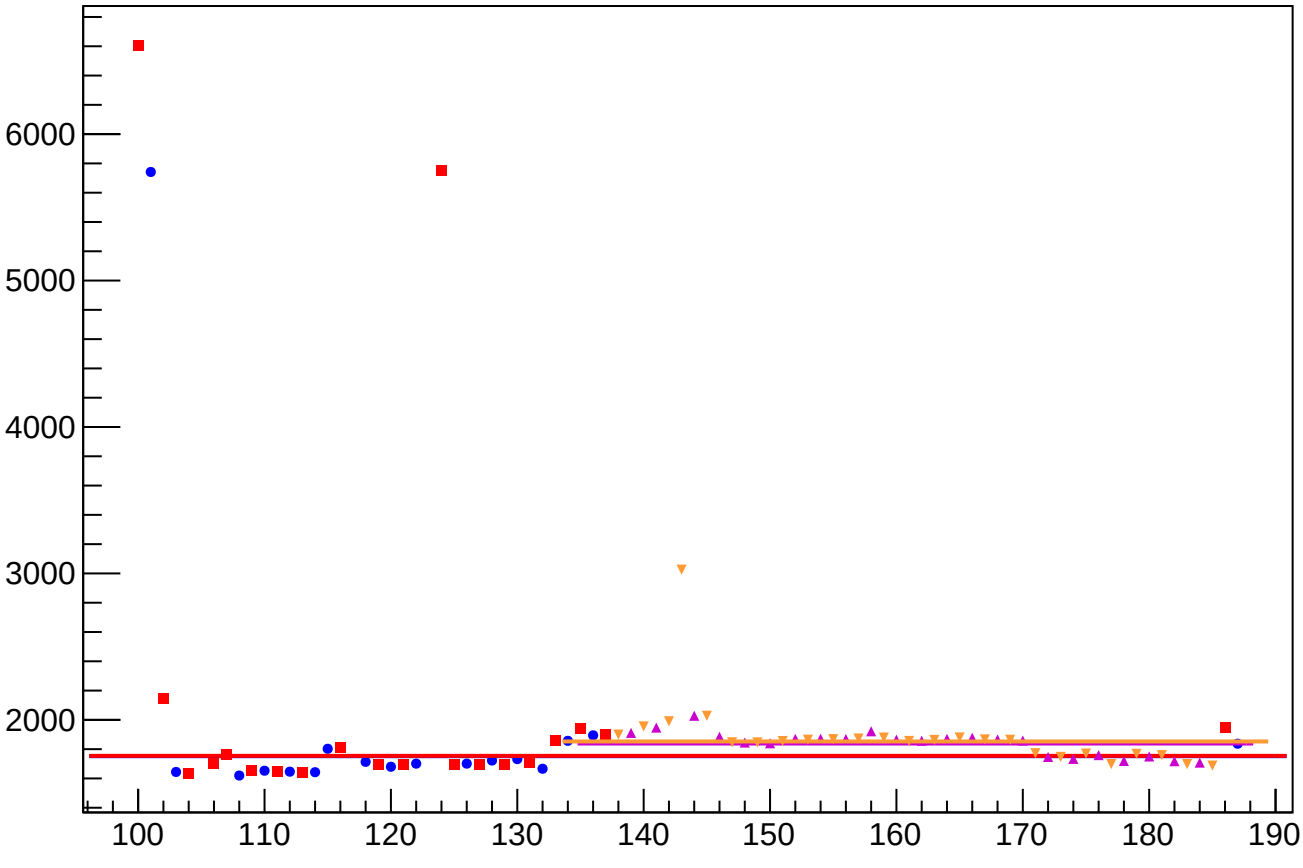
Right In: 88.864+/-658.876 χ²/NDF: 18.0/16
Left Out: 1004.123+/-422.582 χ²/NDF:47.4/24
Right Out: 196.956+/-640.436 χ²/NDF: 10.0/19
Left In: -229.236+/-429.699 χ²/NDF:26.4/22
Left: 397.741+/-301.295 χ²/NDF: 77.9/47
Right: 144.444+/-459.237 χ²/NDF: 28.0/36
In: -134.313+/-359.921 χ²/NDF:44.5/39
Out: 759.292+/-352.718 χ²/NDF:58.5/44
All: 321.521+/-251.917 χ²/NDF: 106.2/84



Right In: 1751.983+/-0.466 χ^2/NDF: 670406.9/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1754.179+/-0.451 χ^2/NDF: 306516.4/19

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

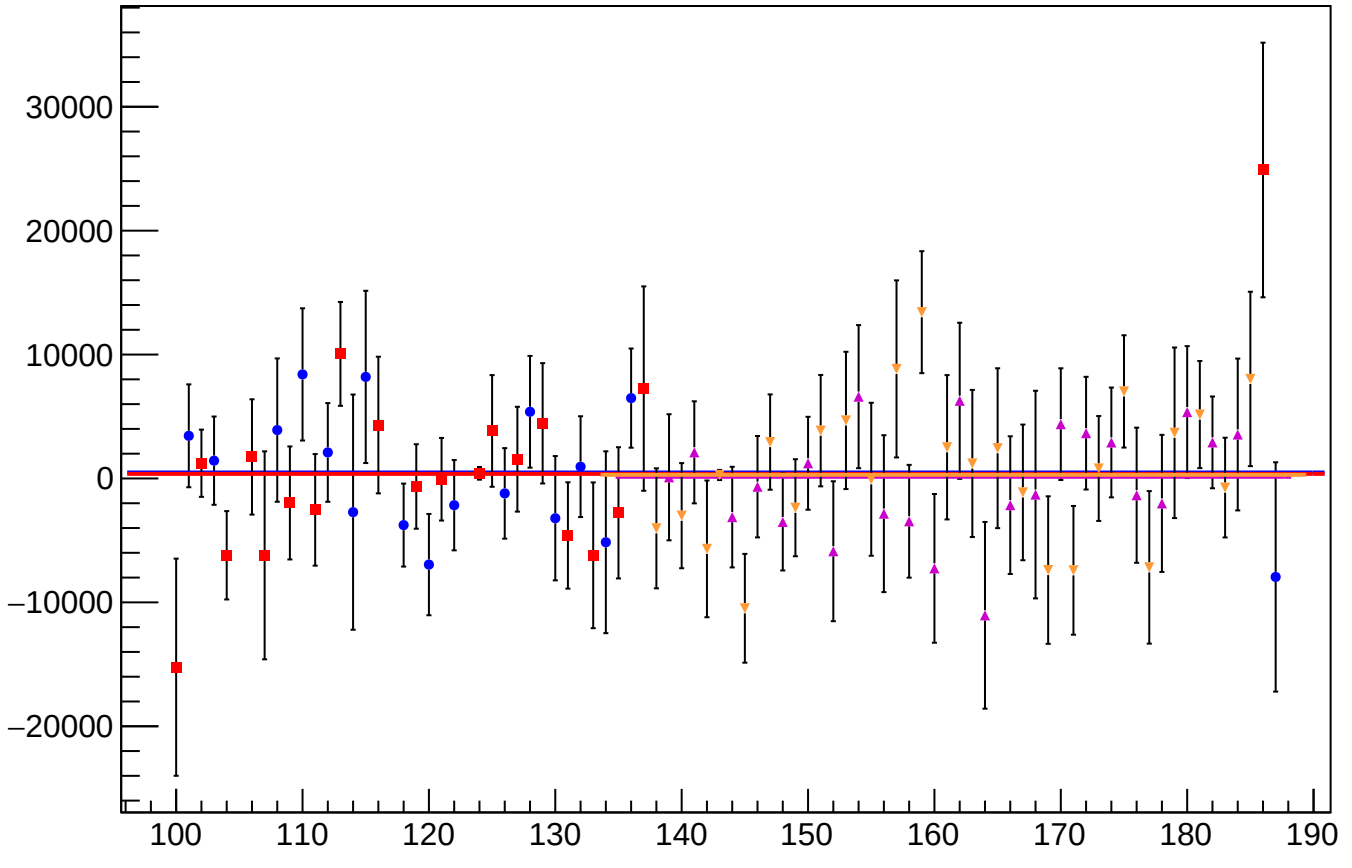
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1753.116+/-0.324 χ^2/NDF: 976934.8/36

In: 1812.703+/-0.255 χ^2/NDF:763094.8/39

Out: 1822.552+/-0.249 χ^2/NDF:660582.1/44

All: 1817.732+/-0.178 χ^2/NDF: 1424441.7/84



Right In: 481.045+/-1092.432 χ^2/NDF: 15.7/16

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 372.075+/-458.406 χ^2/NDF: 24.7/19

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

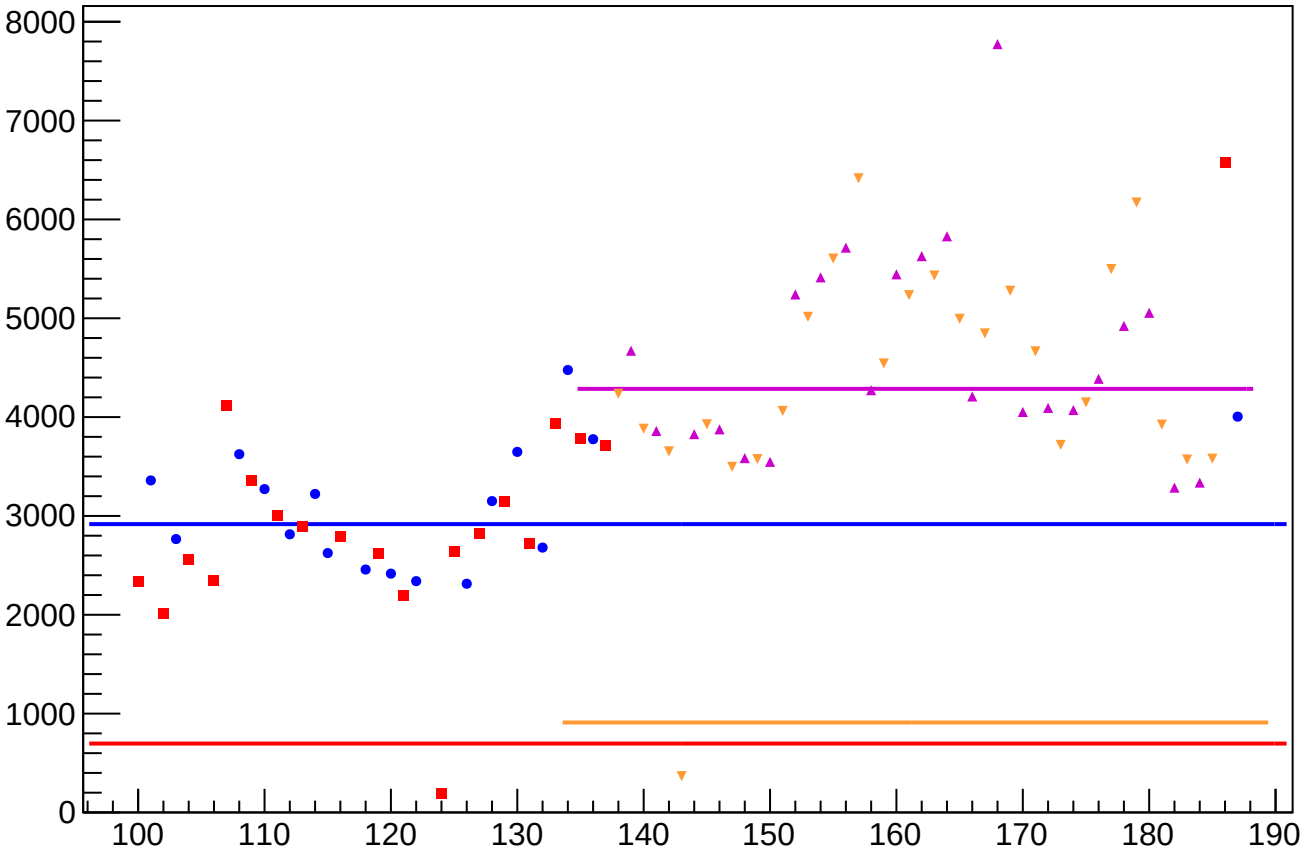
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 388.390+/-422.699 χ^2/NDF: 40.4/36

In: 298.410+/-746.687 χ^2/NDF:29.6/39

Out: 326.570+/-292.530 χ^2/NDF:54.8/44

All: 322.823+/-272.373 χ^2/NDF: 84.4/84



Right In: 2917.235+/-0.772 χ^2/NDF: 508958.2/16

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 696.972+/-0.324 χ^2/NDF: 10760815.7/19

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

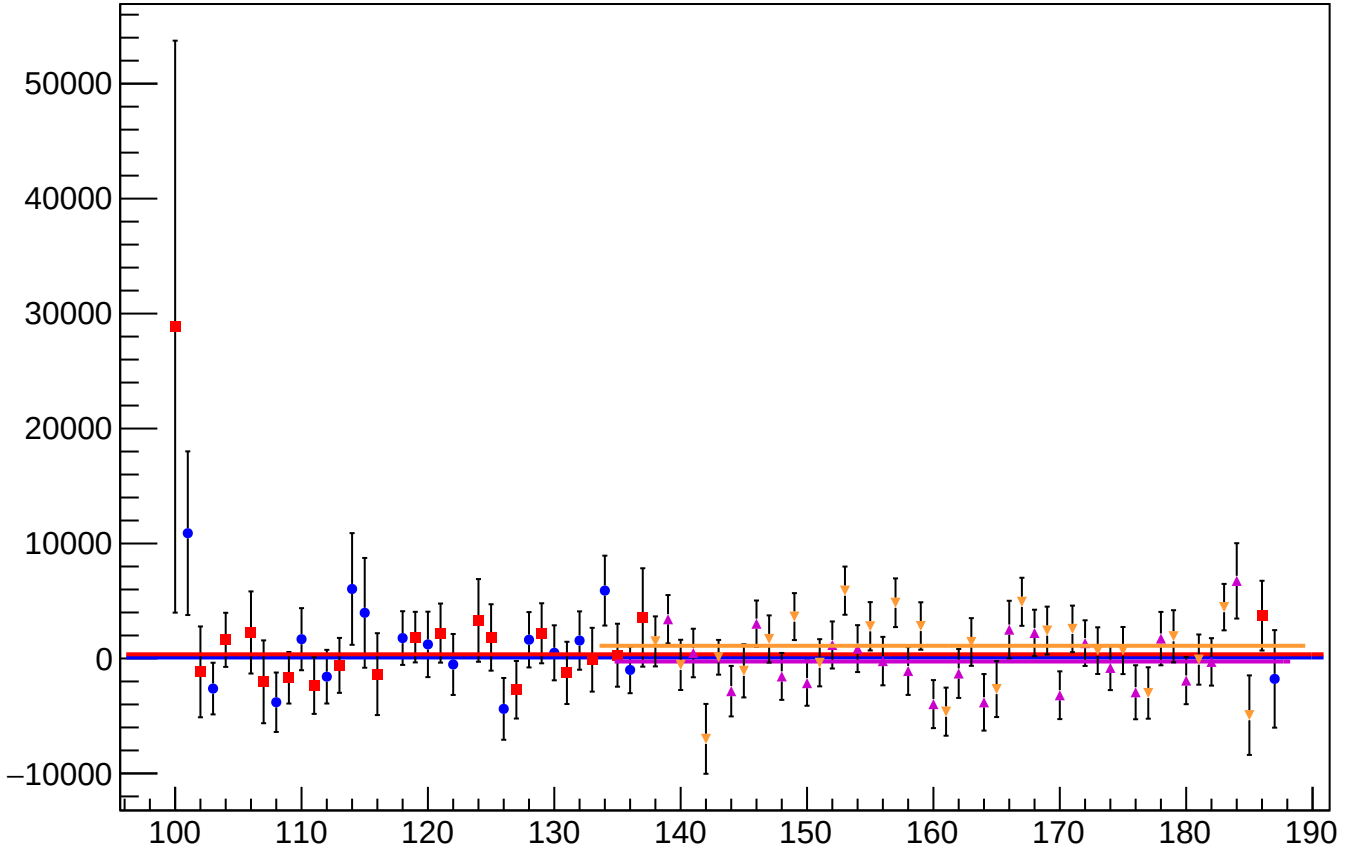
Right: 1029.386+/-0.299 χ^2/NDF: 18294240.6/36

In: 3646.442+/-0.528 χ^2/NDF:3509421.4/39

Out: 823.399+/-0.207 χ^2/NDF:37790423.1/44

All: 1199.036+/-0.193 χ^2/NDF: 66084119.3/8

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 87.123+/-663.357 χ^2/NDF: 17.5/16

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 362.035+/-639.719 χ^2/NDF: 11.0/19

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

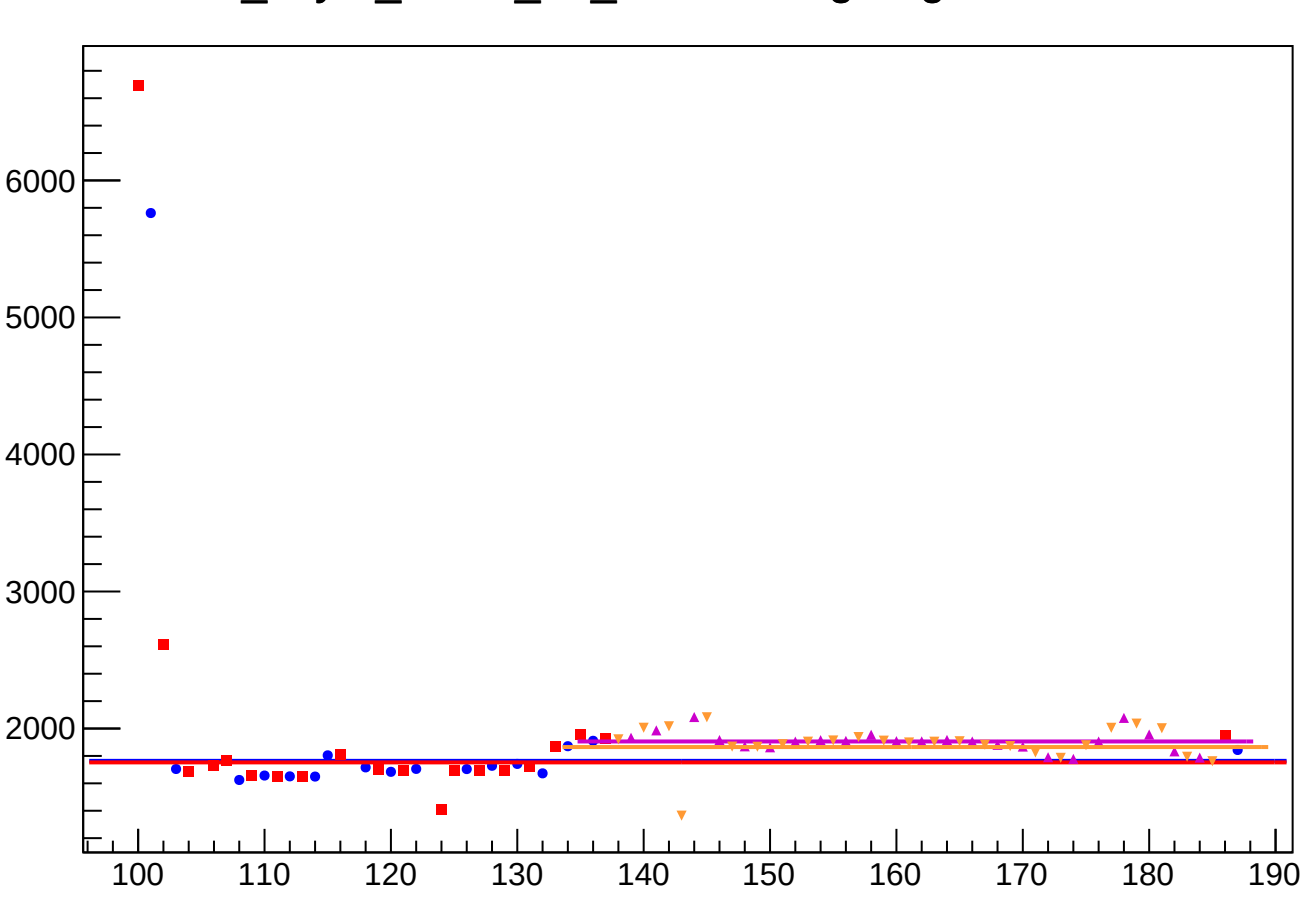
Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

Right: 229.564+/-460.479 χ^2/NDF: 28.6/36

In: -155.329+/-369.753 χ^2/NDF:45.3/39

Out: 876.083+/-354.184 χ^2/NDF:56.7/44

All: 382.548+/-255.773 χ^2/NDF: 106.1/84



Right In: 1764.044+/-0.469 χ^2/NDF: 668416.4/16

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1752.894+/-0.451 χ^2/NDF: 236688.3/19

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

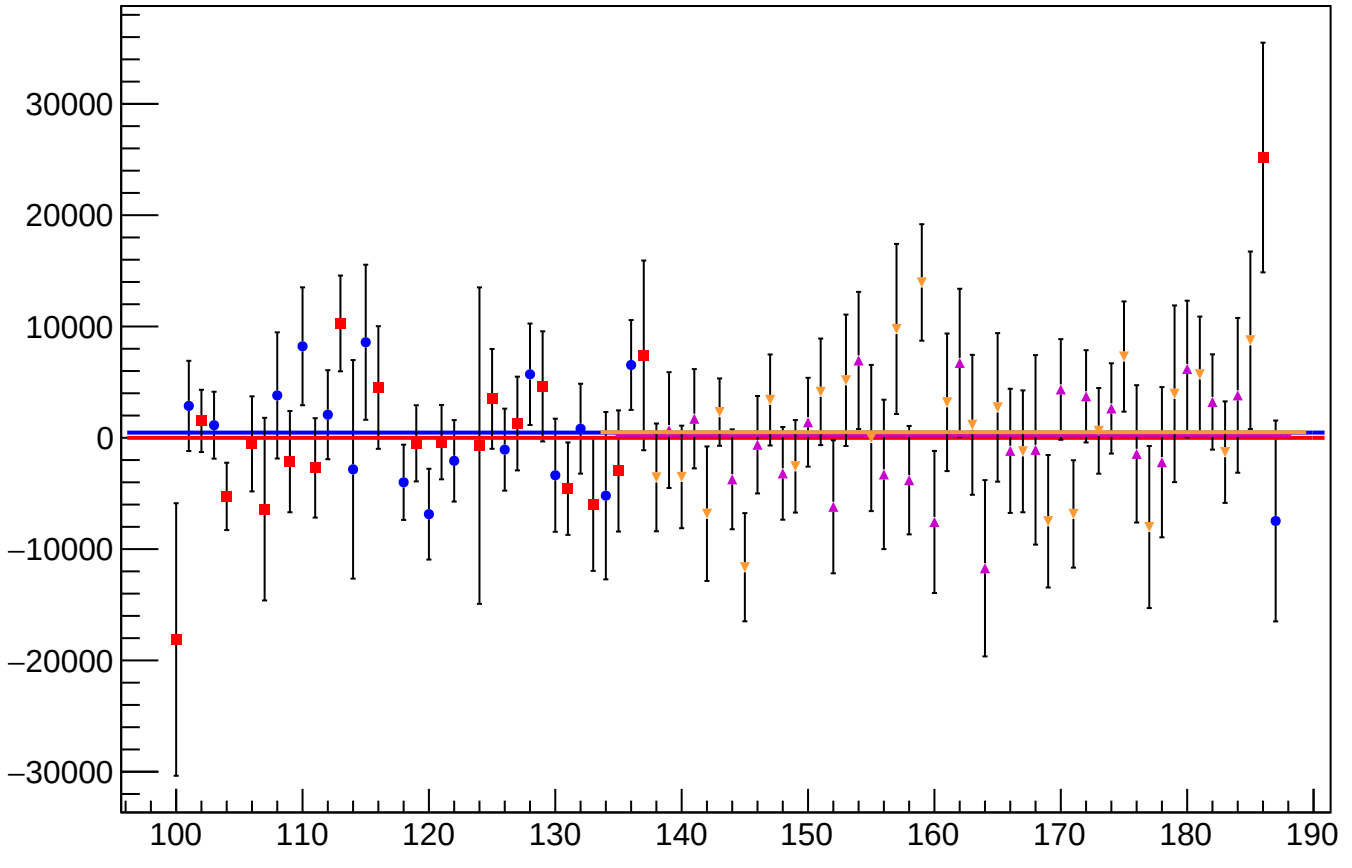
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1758.252+/-0.325 χ^2/NDF: 905398.3/36

In: 1861.639+/-0.261 χ^2/NDF:783999.9/39

Out: 1830.394+/-0.250 χ^2/NDF:574034.8/44

All: 1845.332+/-0.181 χ^2/NDF: 1365488.5/84



Right In: 468.173+/-1073.796 χ^2/NDF: 15.7/16

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -3.665+/-1016.051 χ^2/NDF: 23.9/19

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

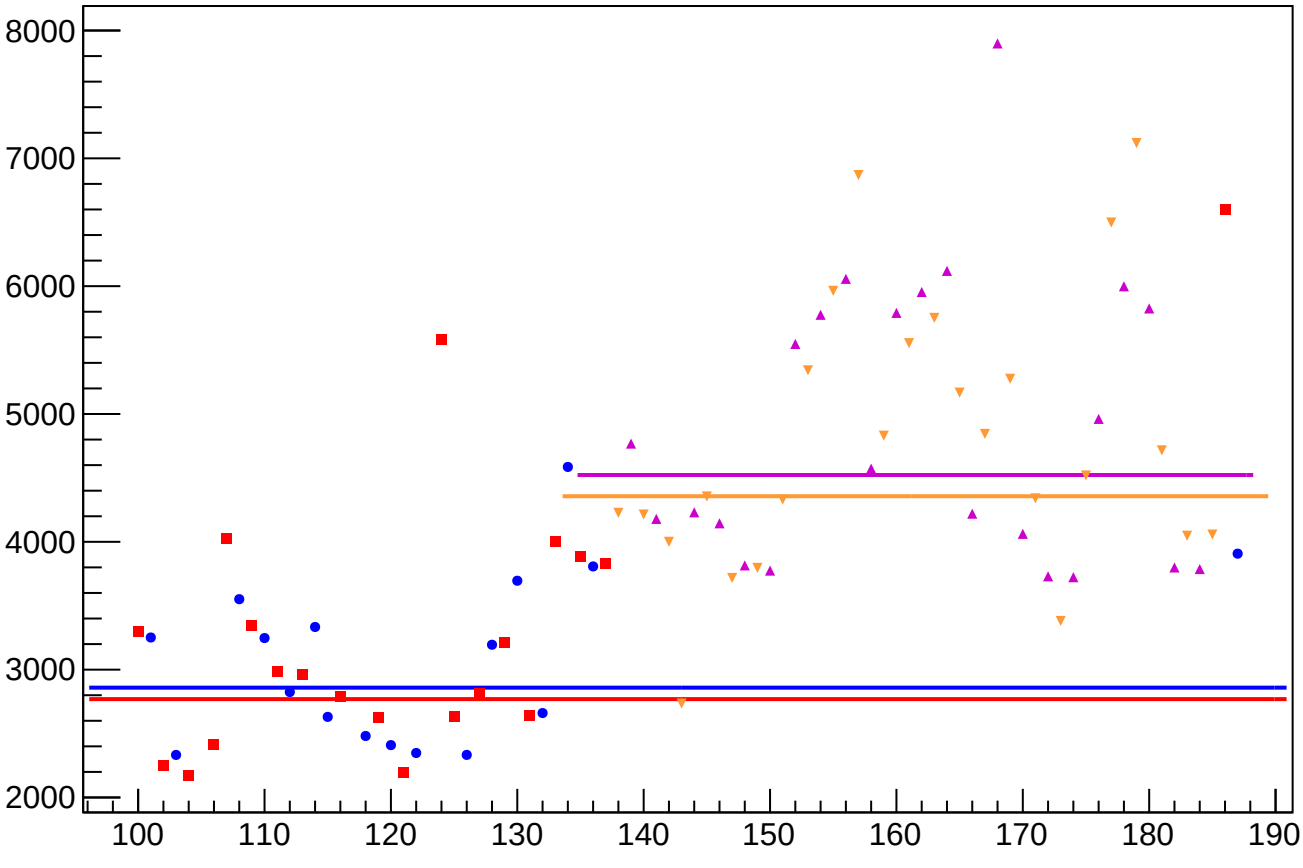
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 219.226+/-738.027 χ^2/NDF: 39.7/36

In: 365.343+/-761.963 χ^2/NDF:29.3/39

Out: 248.894+/-720.440 χ^2/NDF:54.1/44

All: 303.859+/-523.492 χ^2/NDF: 83.4/84



Right In: 2859.210+/-0.759 χ^2/NDF: 569411.1/16

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2769.470+/-0.718 χ^2/NDF: 889437.7/19

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

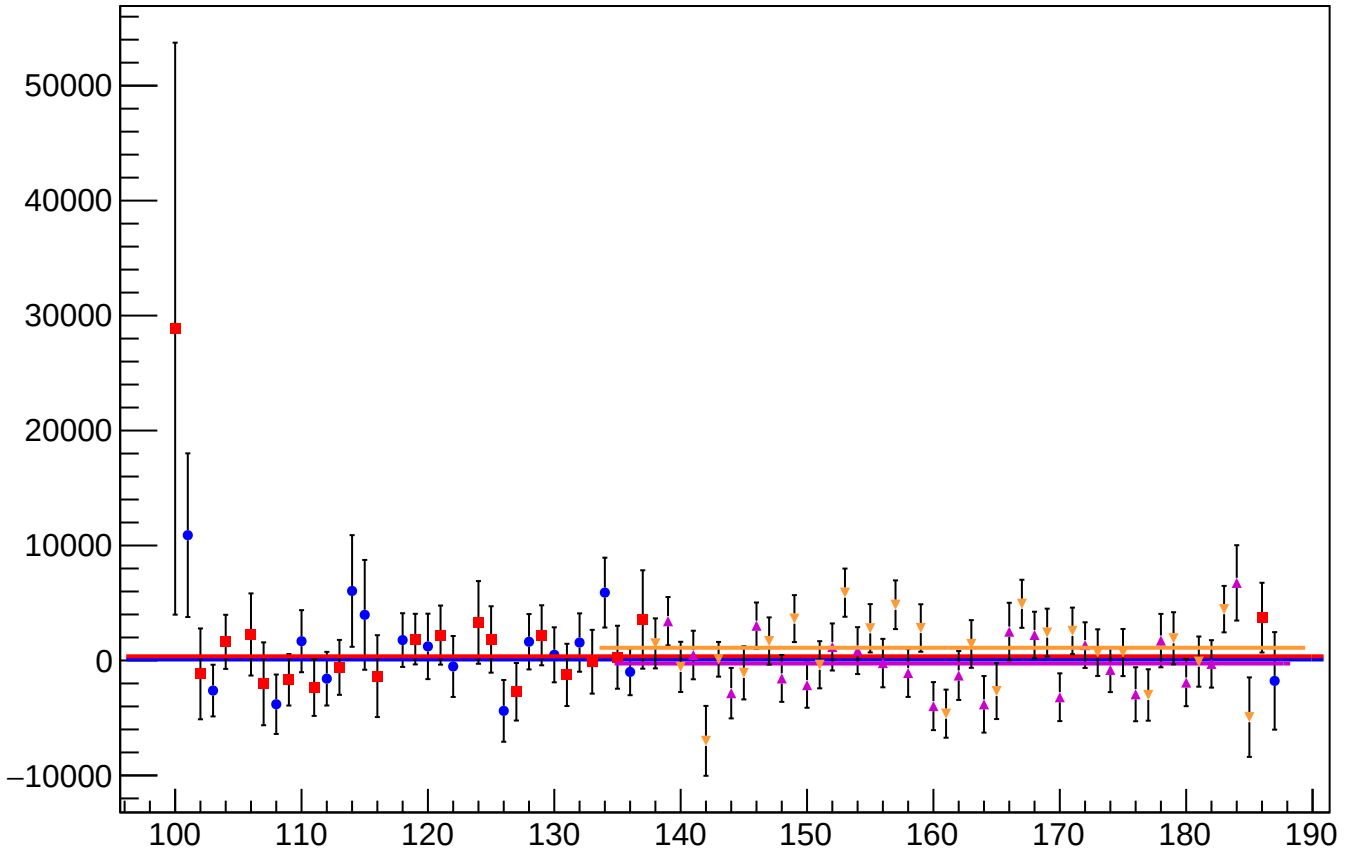
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 2811.862+/-0.522 χ^2/NDF: 1466218.9/36

In: 3685.128+/-0.539 χ^2/NDF:4386649.6/39

Out: 3558.669+/-0.509 χ^2/NDF:5228426.7/44

All: 3618.359+/-0.370 χ^2/NDF: 9644162.4/84



Right In: 87.121+/-663.357 χ^2/NDF: 17.5/16

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 362.030+/-639.719 χ^2/NDF: 11.0/19

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

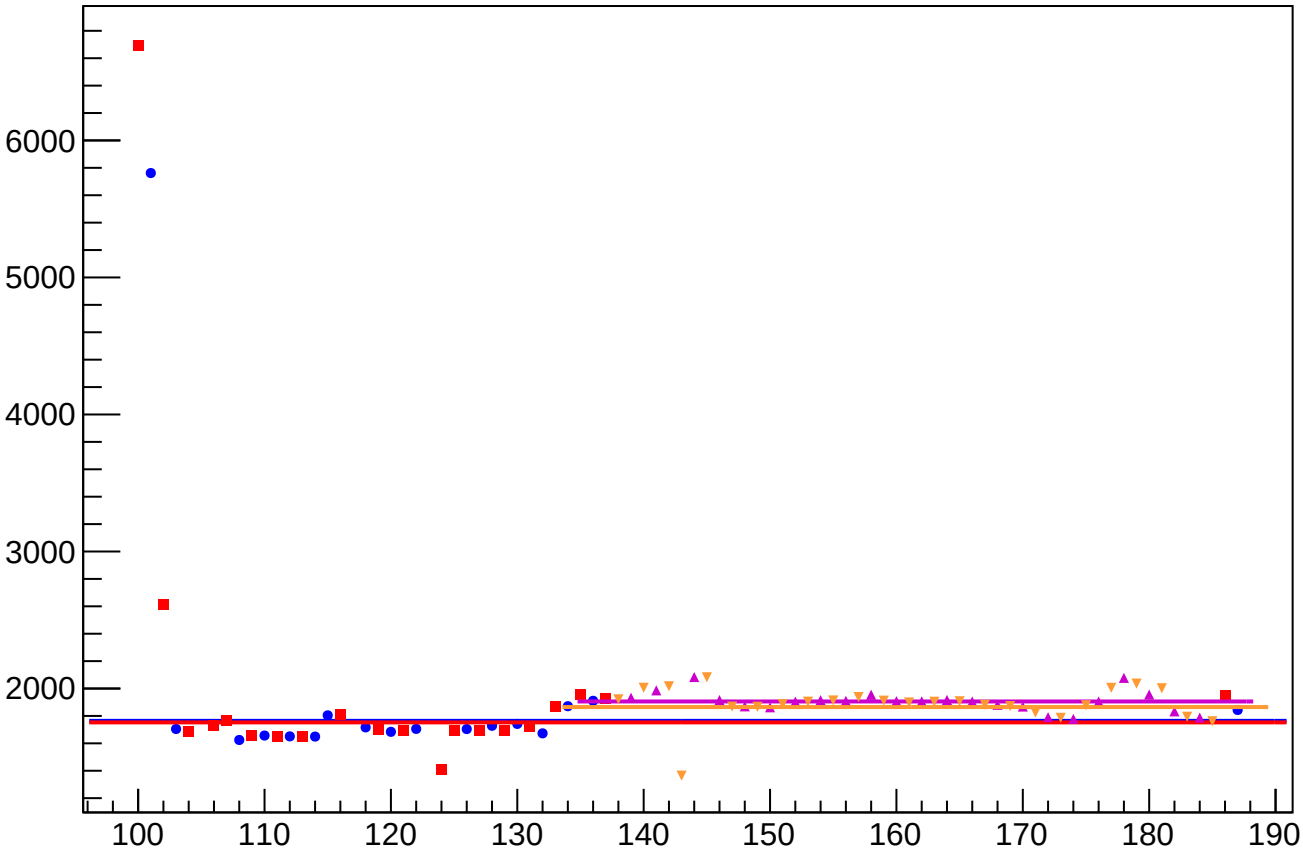
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 229.560+/-460.479 χ^2/NDF: 28.6/36

In: -155.330+/-369.753 χ^2/NDF:45.3/39

Out: 876.082+/-354.184 χ^2/NDF:56.7/44

All: 382.548+/-255.773 χ^2/NDF: 106.1/84



Right In: 1764.045+/-0.469 χ^2/NDF: 668416.4/16

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1752.894+/-0.451 χ^2/NDF: 236688.3/19

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

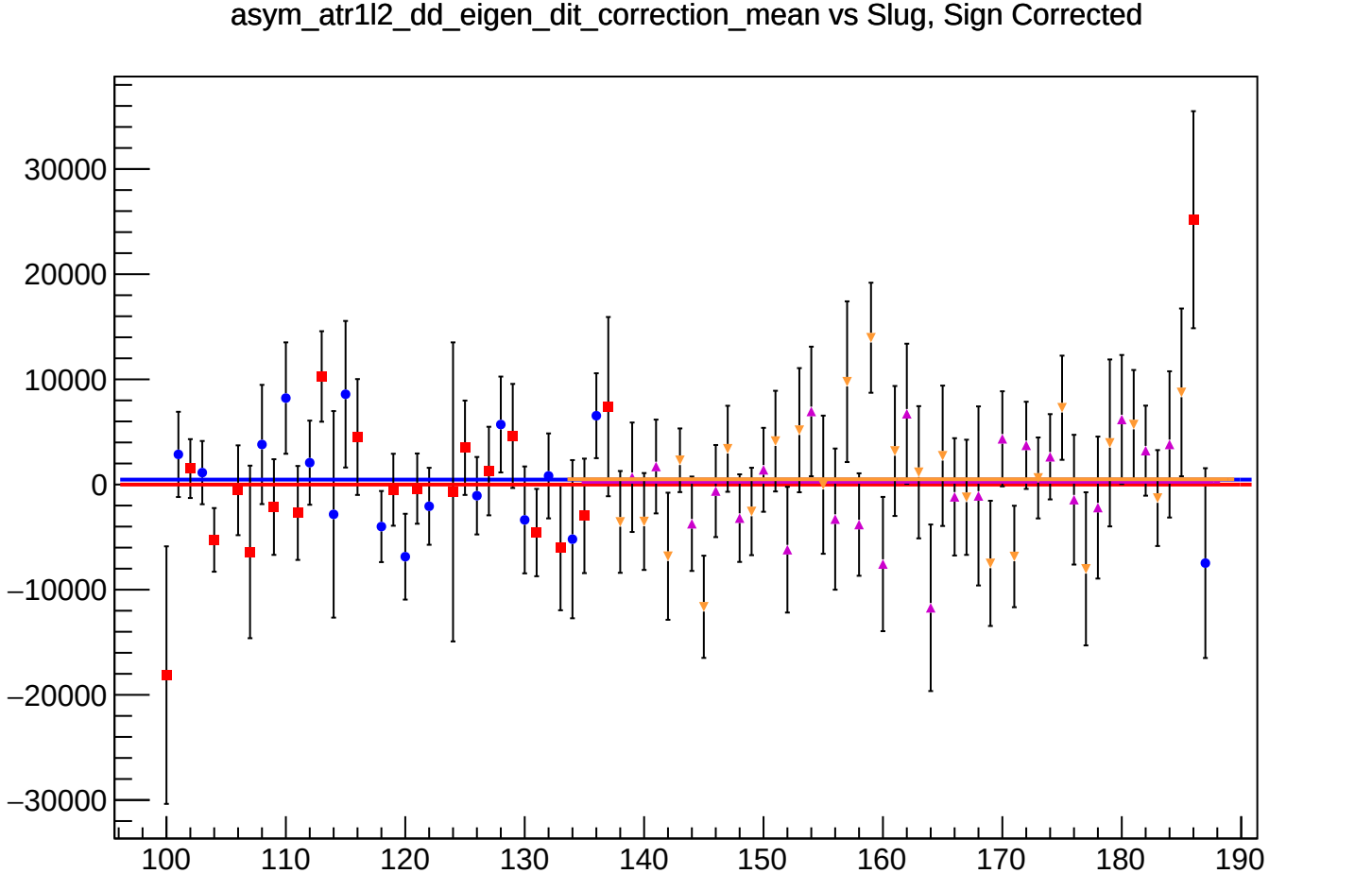
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1758.252+/-0.325 χ^2/NDF: 905398.3/36

In: 1861.640+/-0.261 χ^2/NDF:784003.1/39

Out: 1830.395+/-0.250 χ^2/NDF:574038.9/44

All: 1845.332+/-0.181 χ^2/NDF: 1365495.8/84



Right In: 468.169+/-1073.794 χ^2/NDF: 15.7/16

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -3.667+/-1016.049 χ^2/NDF: 23.9/19

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

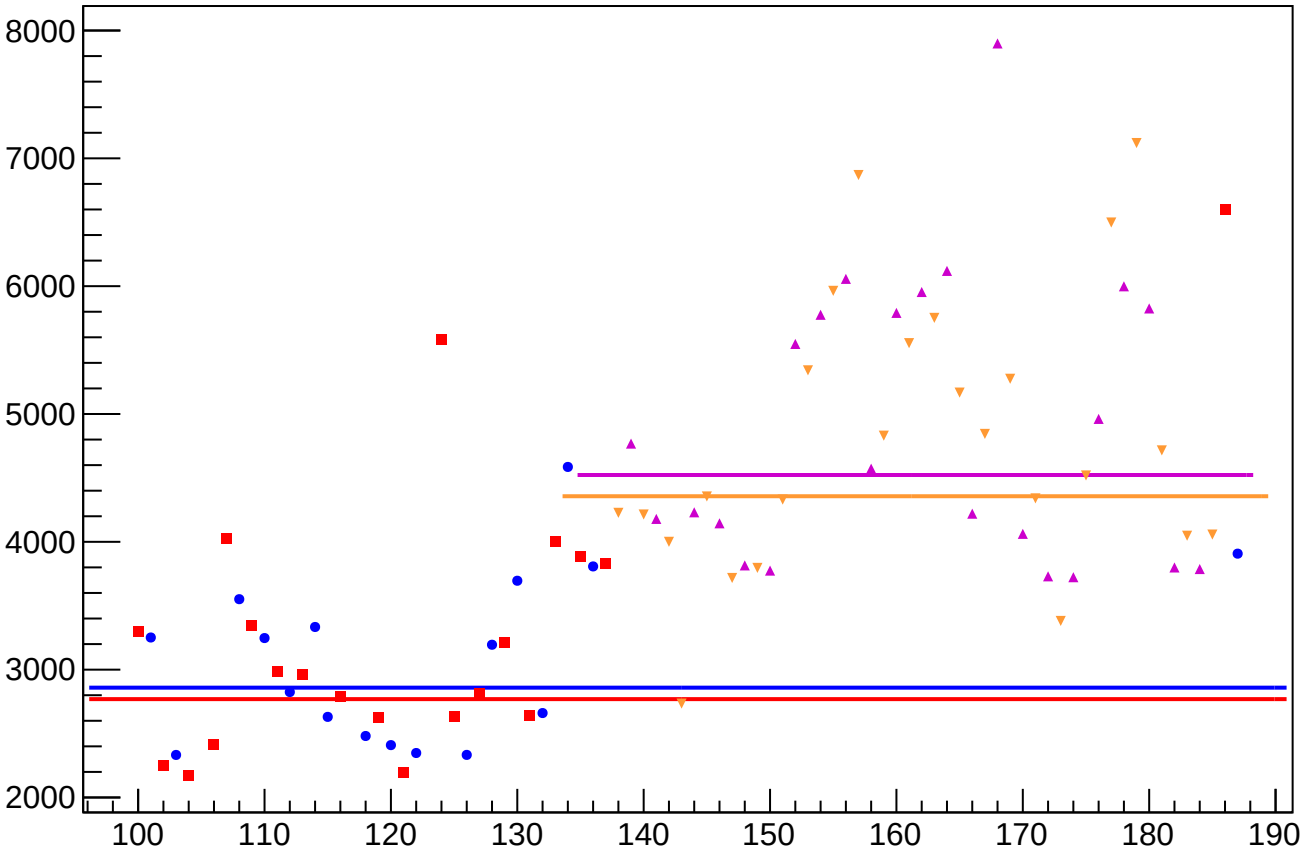
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 219.223+/-738.025 χ^2/NDF: 39.7/36

In: 365.341+/-761.963 χ^2/NDF:29.3/39

Out: 248.894+/-720.440 χ^2/NDF:54.1/44

All: 303.858+/-523.492 χ^2/NDF: 83.4/84



Right In: 2859.203+/-0.759 χ^2/NDF: 569415.5/16

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2769.464+/-0.718 χ^2/NDF: 889435.6/19

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

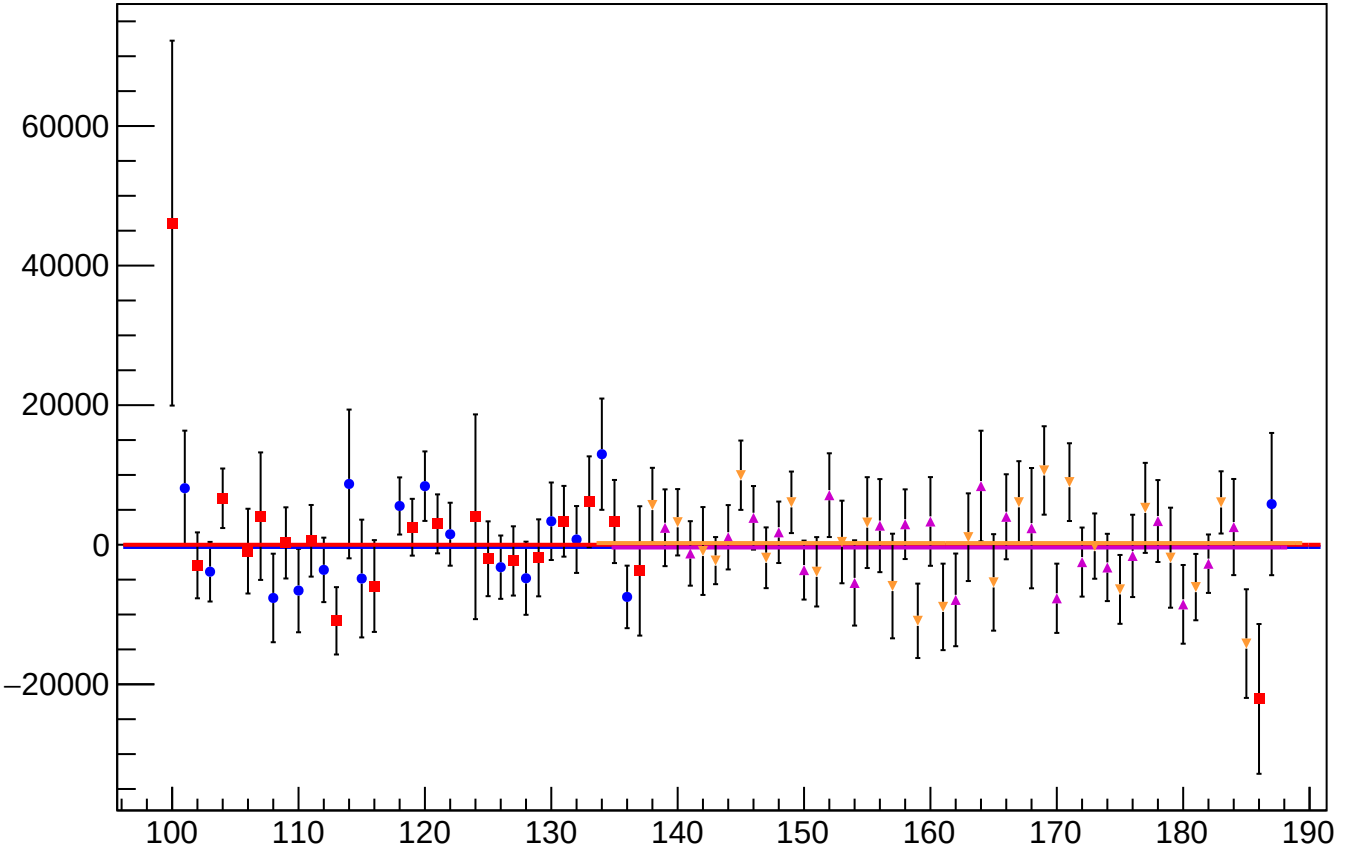
Right: 2811.856+/-0.522 χ^2/NDF: 1466220.9/36

In: 3685.125+/-0.539 χ^2/NDF:4386700.8/39

Out: 3558.667+/-0.509 χ^2/NDF:5228468.9/44

All: 3618.356+/-0.370 χ^2/NDF: 9644255.3/84

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -318.874+/-1316.143 χ^2/NDF: 18.3/16

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -4.362+/-1266.797 χ^2/NDF: 19.6/19

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

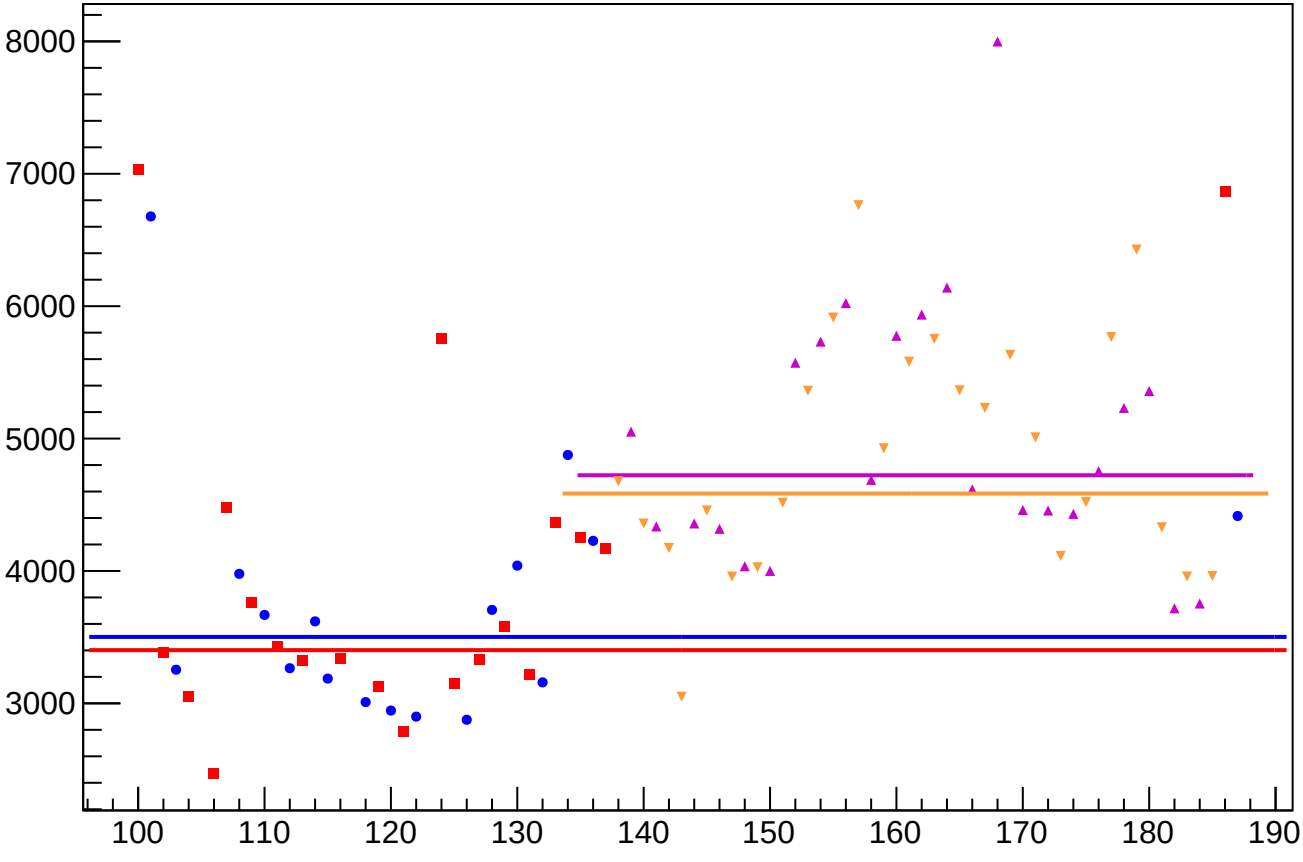
Right: -155.612+/-912.707 χ^2/NDF: 37.9/36

In: -364.652+/-853.547 χ^2/NDF:32.5/39

Out: 138.807+/-815.035 χ^2/NDF:51.8/44

All: -101.309+/-589.462 χ^2/NDF: 84.4/84

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3501.663+/-0.931 χ^2/NDF: 612136.5/16

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3402.071+/-0.883 χ^2/NDF: 588076.9/19

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

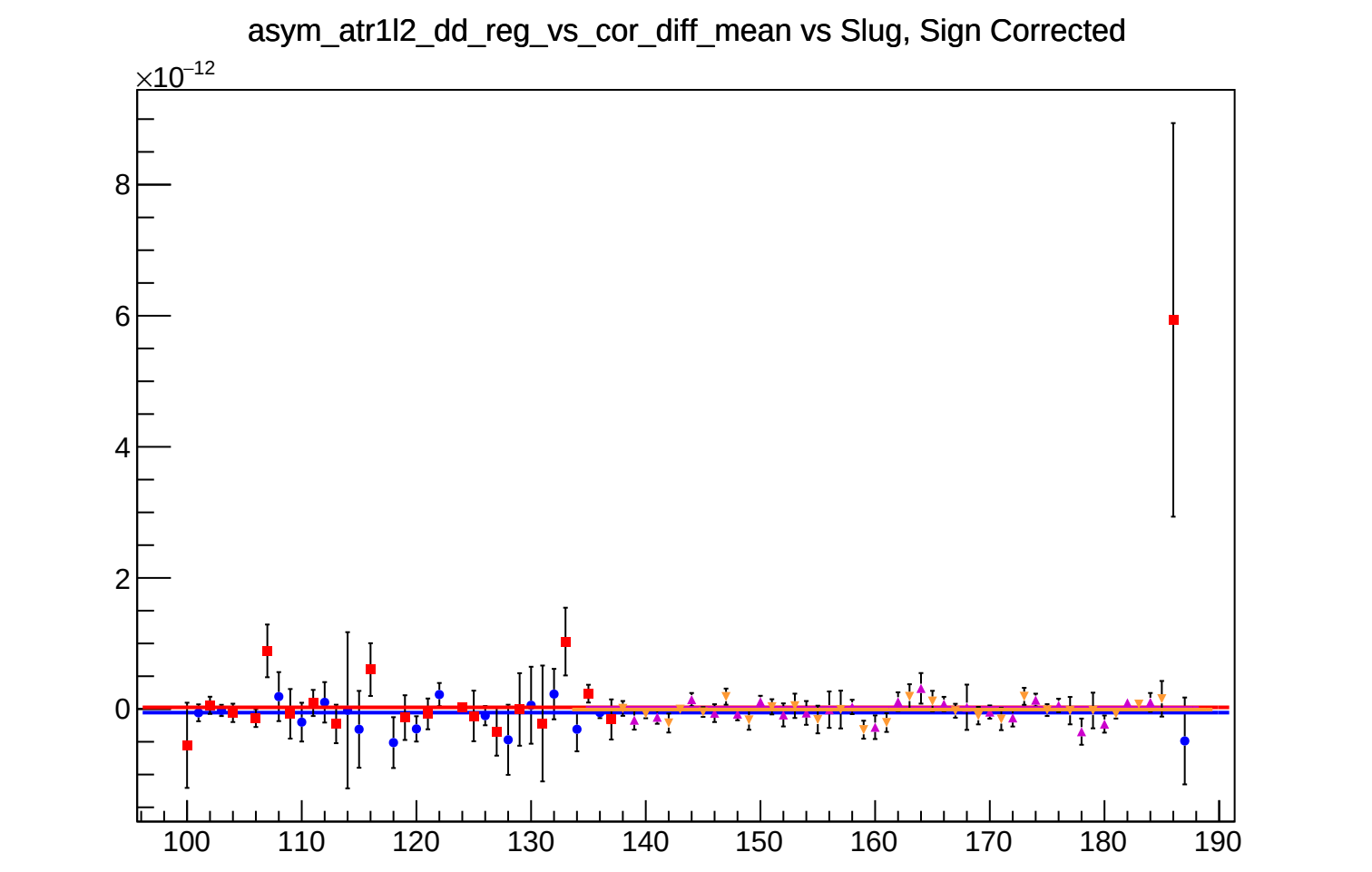
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3449.277+/-0.641 χ^2/NDF: 1206237.2/36

In: 4209.337+/-0.604 χ^2/NDF:2626677.9/39

Out: 4087.177+/-0.573 χ^2/NDF:2937888.6/44

All: 4145.087+/-0.416 χ^2/NDF: 5586112.9/84



Right In: -0.000+/-0.000 χ^2/NDF: 9.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/19

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

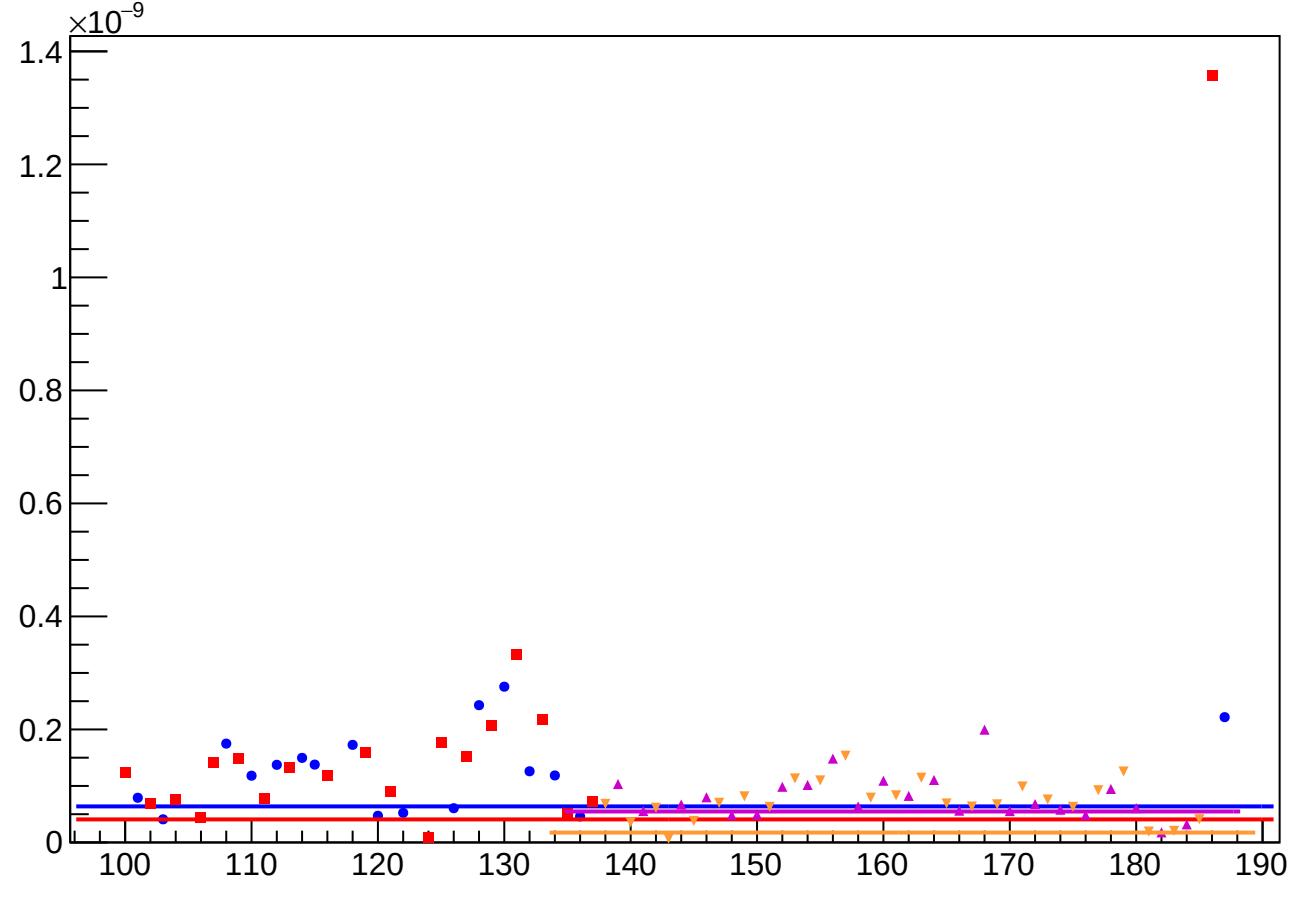
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 33.3/36

In: 0.000+/-0.000 χ^2/NDF:37.1/39

Out: -0.000+/-0.000 χ^2/NDF:45.8/44

All: -0.000+/-0.000 χ^2/NDF: 82.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 1546095.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3556993.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

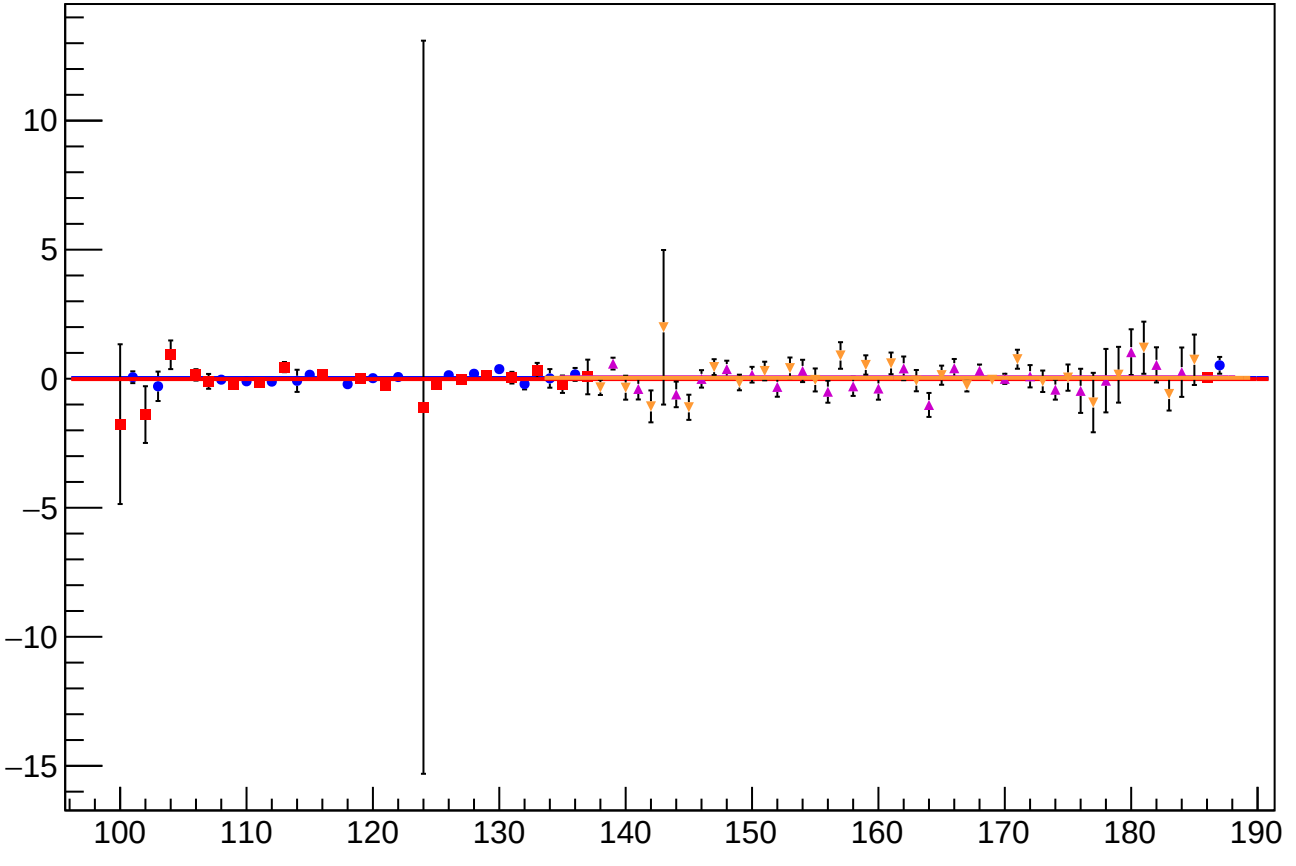
Right: 0.000+/-0.000 χ^2/NDF: 5429253.1/36

In: 0.000+/-0.000 χ^2/NDF:4409043.4/39

Out: 0.000+/-0.000 χ^2/NDF:13203075.2/44

All: 0.000+/-0.000 χ^2/NDF: 22570569.0/84

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.015+/-0.043 χ^2/NDF: 22.5/19

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

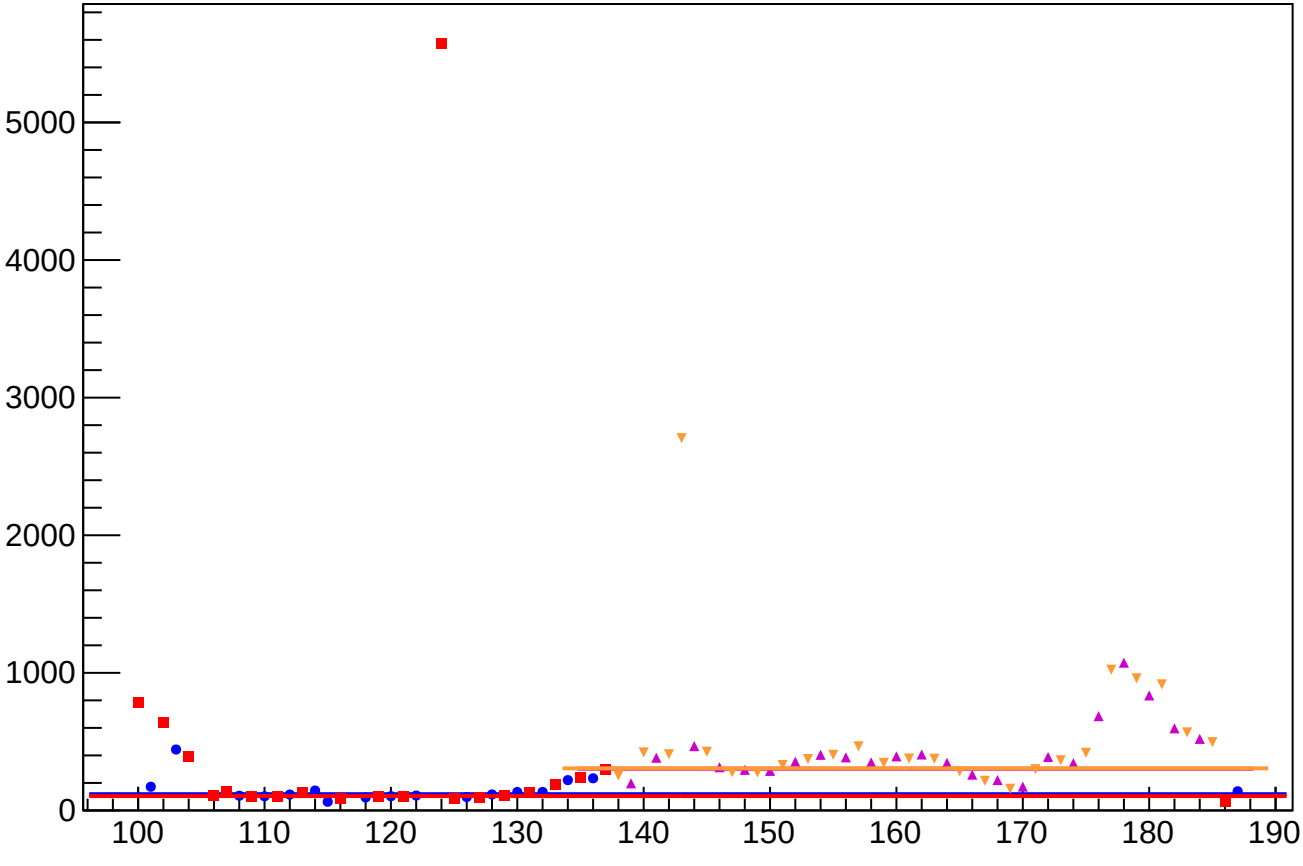
Right: 0.004+/-0.032 χ^2/NDF: 37.0/36

In: 0.034+/-0.040 χ^2/NDF:40.3/39

Out: -0.003+/-0.038 χ^2/NDF:53.2/44

All: 0.014+/-0.028 χ^2/NDF: 94.0/84

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.105+/-0.034 χ^2/NDF: 1730918.0/16

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 104.617+/-0.031 χ^2/NDF: 2532019.9/19

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

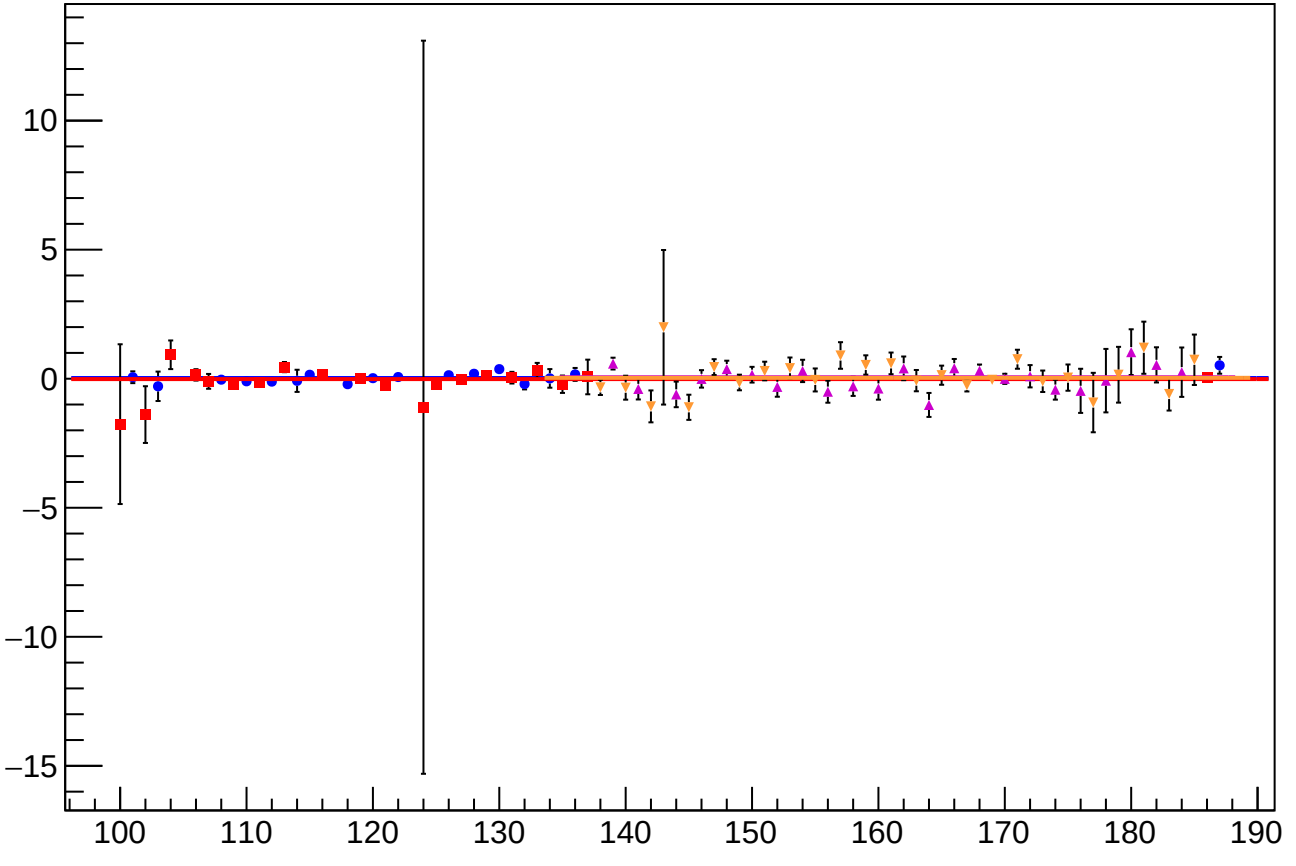
Right: 110.743+/-0.023 χ^2/NDF: 4351388.1/36

In: 168.673+/-0.029 χ^2/NDF:14885884.4/39

Out: 151.973+/-0.027 χ^2/NDF:19374310.9/44

All: 159.768+/-0.020 χ^2/NDF: 34442425.2/84

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.015+/-0.043 χ^2/NDF: 22.5/19

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

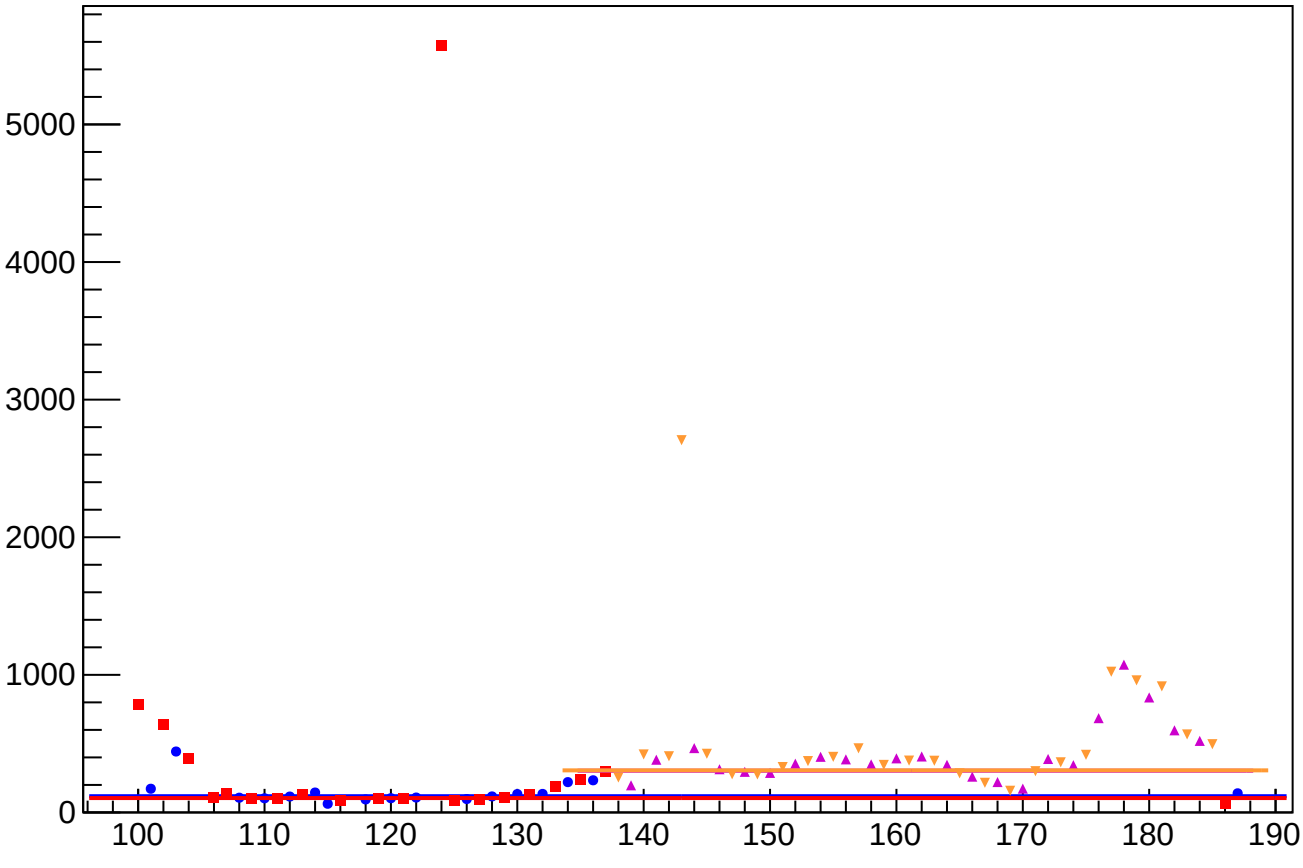
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.004+/-0.032 χ^2/NDF: 37.0/36

In: 0.034+/-0.040 χ^2/NDF:40.3/39

Out: -0.003+/-0.038 χ^2/NDF:53.2/44

All: 0.014+/-0.028 χ^2/NDF: 94.0/84



Right In: 118.105+/-0.034 χ^2/NDF: 1730918.0/16

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 104.617+/-0.031 χ^2/NDF: 2532019.9/19

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

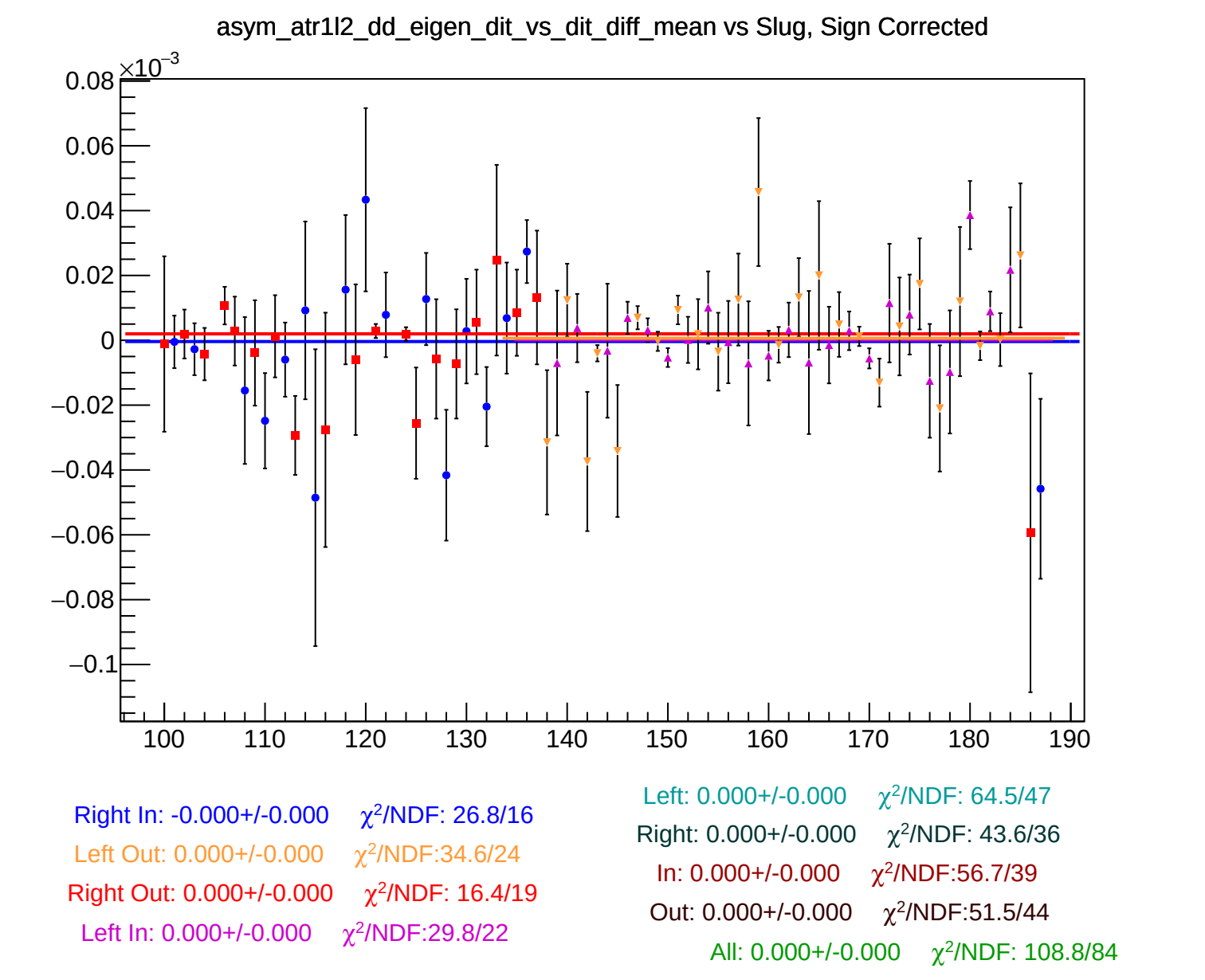
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 110.743+/-0.023 χ^2/NDF: 4351388.1/36

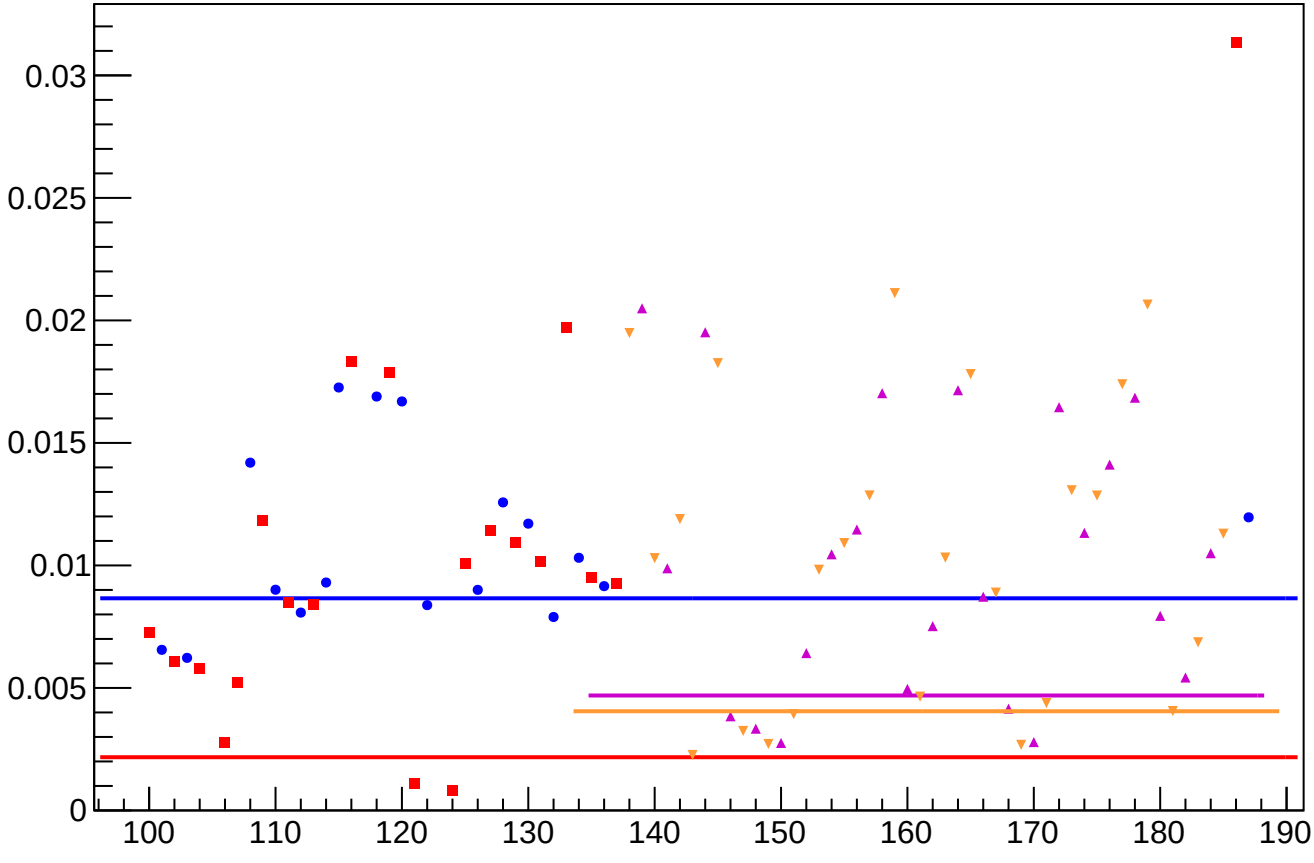
In: 168.673+/-0.029 χ^2/NDF:14885884.4/39

Out: 151.973+/-0.027 χ^2/NDF:19374310.9/44

All: 159.768+/-0.020 χ^2/NDF: 34442425.2/84


asym_atr1l2_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
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 26.8/16
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.4/19
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: 0.000+/-0.000 χ²/NDF: 64.5/47
Right: 0.000+/-0.000 χ²/NDF: 43.6/36
In: 0.000+/-0.000 χ²/NDF:56.7/39
Out: 0.000+/-0.000 χ²/NDF:51.5/44
All: 0.000+/-0.000 χ²/NDF: 108.8/84

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1143021.7/16

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9791777.0/19

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

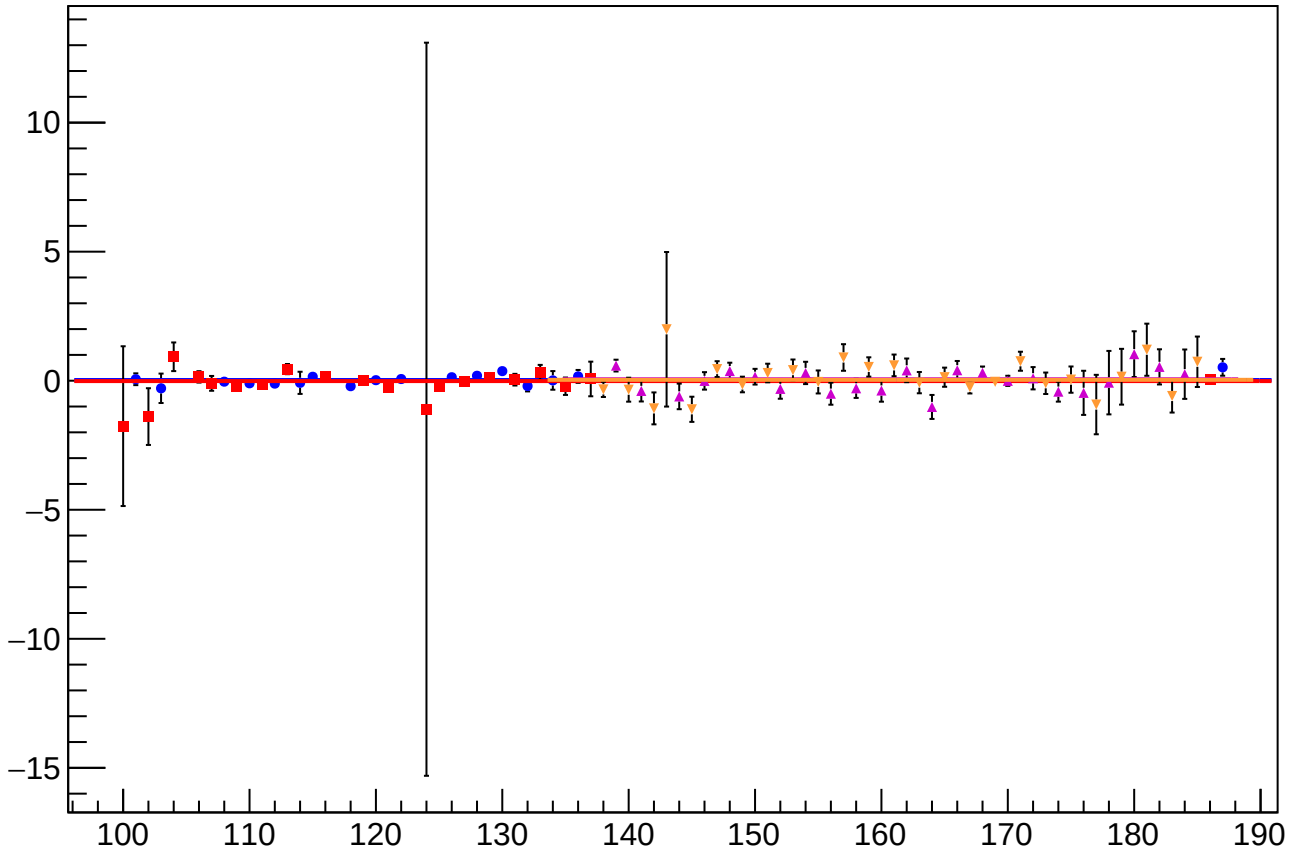
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.003+/-0.000 χ^2/NDF: 17402421.0/36

In: 0.005+/-0.000 χ^2/NDF:14390221.8/39

Out: 0.003+/-0.000 χ^2/NDF:25536877.3/44

All: 0.004+/-0.000 χ^2/NDF: 43391311.4/84



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.015+/-0.043 χ^2/NDF: 22.5/19

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

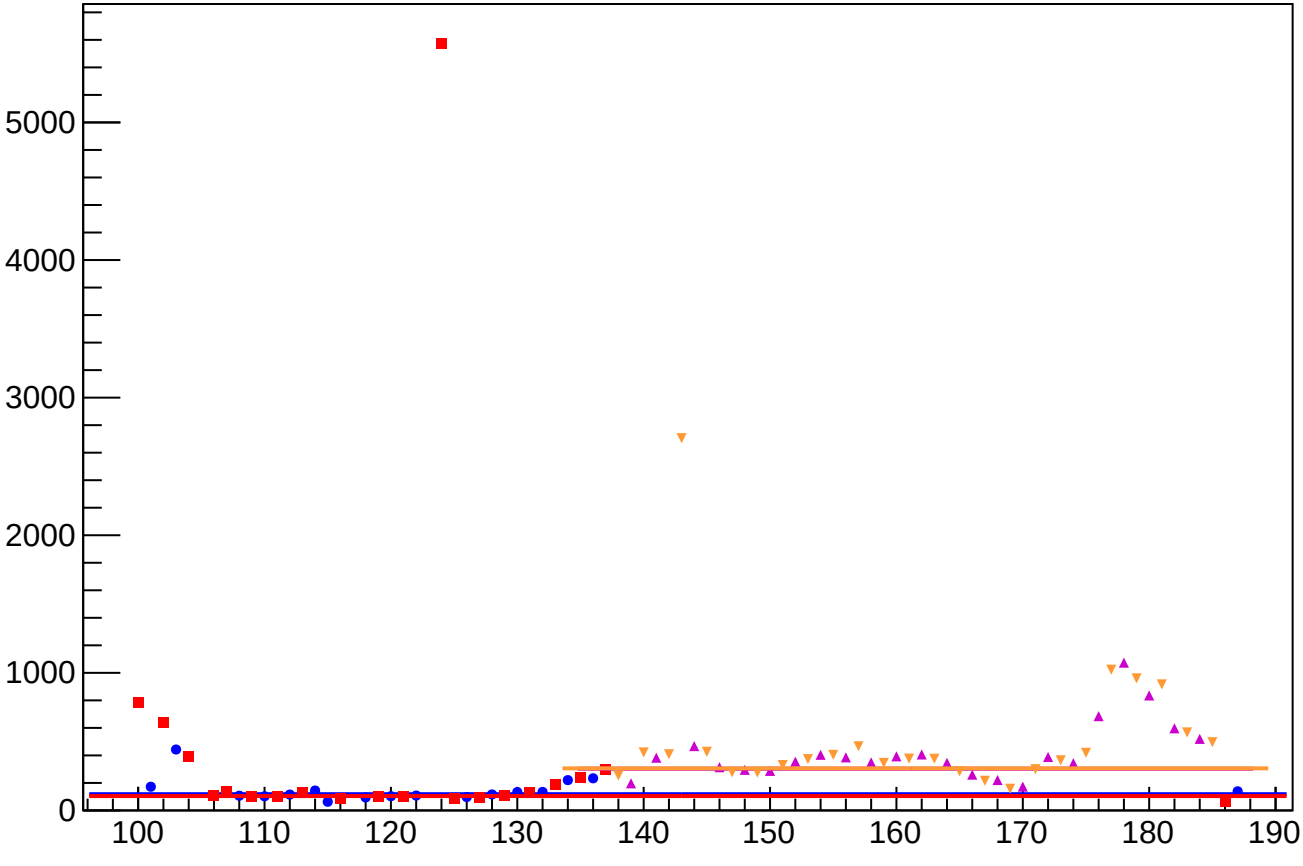
Right: 0.004+/-0.032 χ^2/NDF: 37.0/36

In: 0.034+/-0.040 χ^2/NDF:40.3/39

Out: -0.003+/-0.038 χ^2/NDF:53.2/44

All: 0.014+/-0.028 χ^2/NDF: 94.0/84

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.105+/-0.034 χ^2/NDF: 1730884.0/16

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 104.620+/-0.031 χ^2/NDF: 2531841.9/19

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

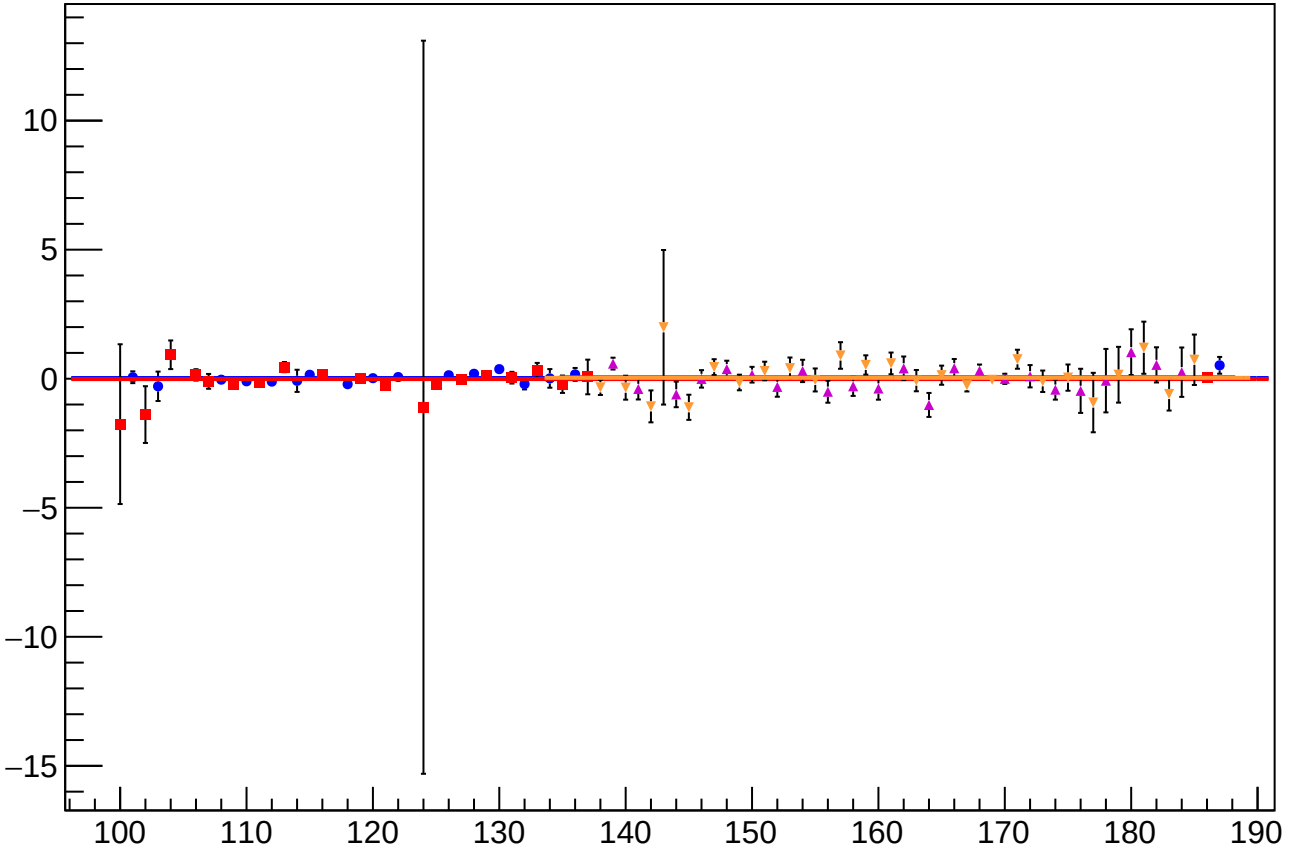
Right: 110.744+/-0.023 χ^2/NDF: 4351136.9/36

In: 168.673+/-0.029 χ^2/NDF:14885982.1/39

Out: 151.976+/-0.027 χ^2/NDF:19373911.3/44

All: 159.770+/-0.020 χ^2/NDF: 34442052.8/84

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.015+/-0.043 χ^2/NDF: 22.5/19

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

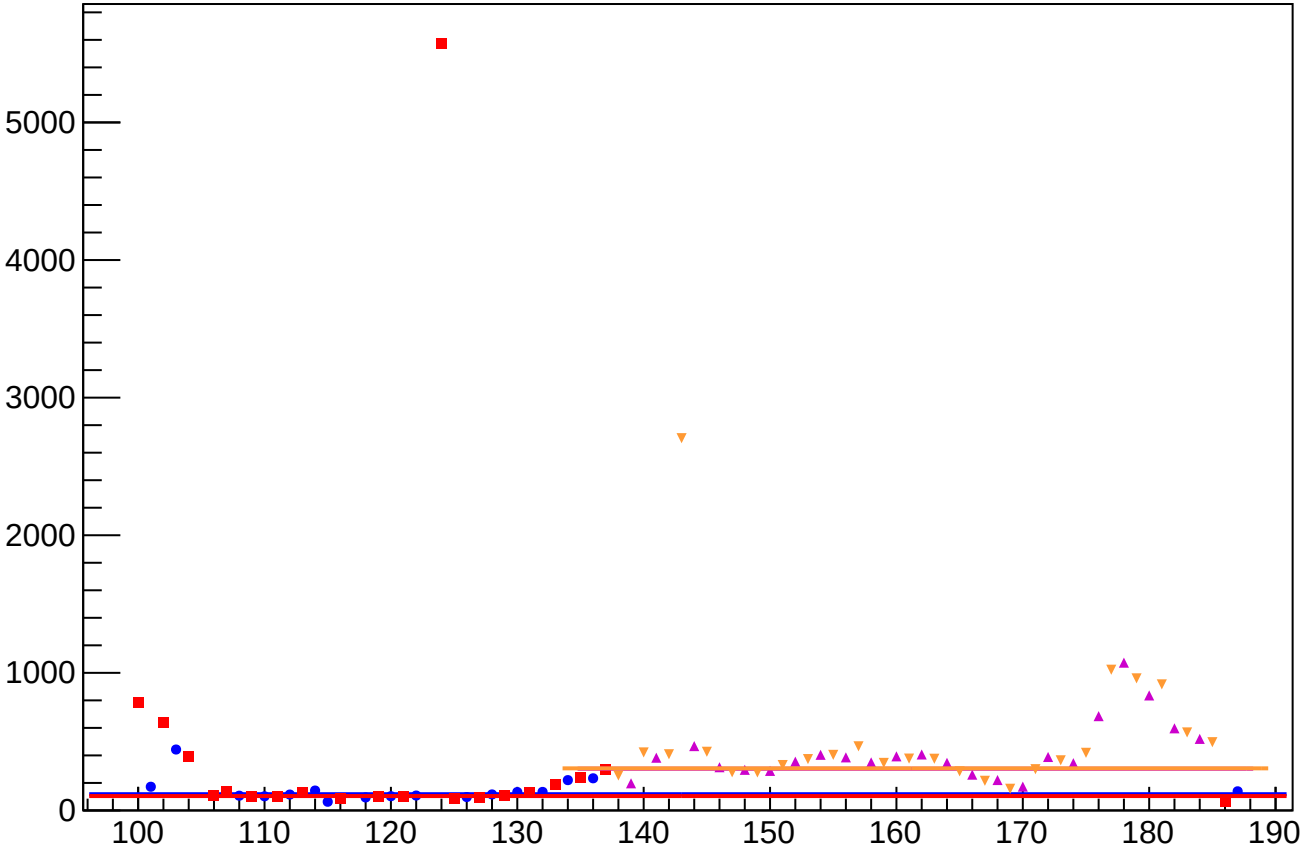
Right: 0.004+/-0.032 χ^2/NDF: 37.0/36

In: 0.034+/-0.040 χ^2/NDF:40.3/39

Out: -0.003+/-0.038 χ^2/NDF:53.2/44

All: 0.014+/-0.028 χ^2/NDF: 94.0/84

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.105+/-0.034 χ^2/NDF: 1730884.0/16

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 104.620+/-0.031 χ^2/NDF: 2531841.9/19

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

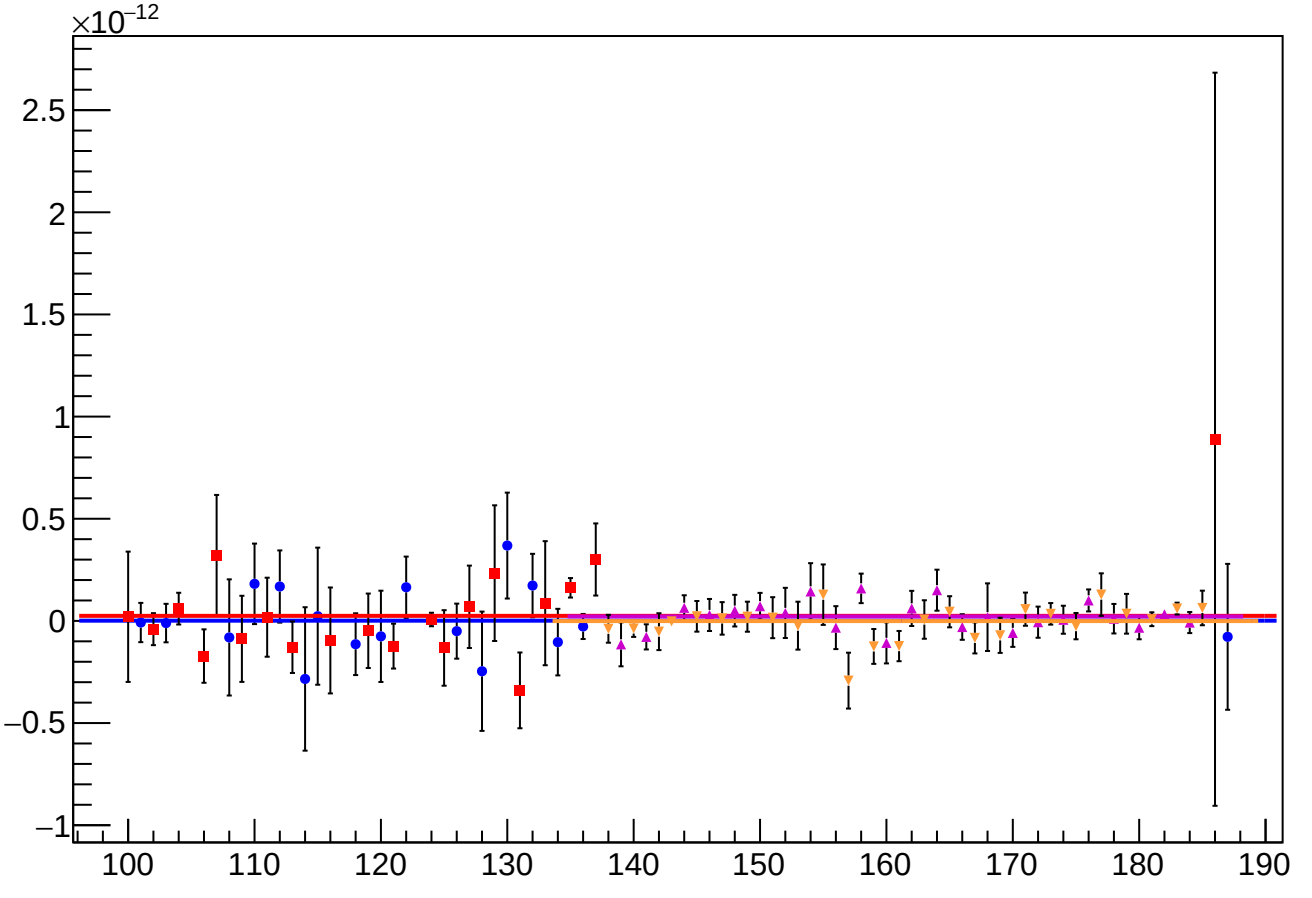
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 110.744+/-0.023 χ^2/NDF: 4351136.9/36

In: 168.673+/-0.029 χ^2/NDF:14885982.1/39

Out: 151.976+/-0.027 χ^2/NDF:19373911.3/44

All: 159.770+/-0.020 χ^2/NDF: 34442052.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 9.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/19

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

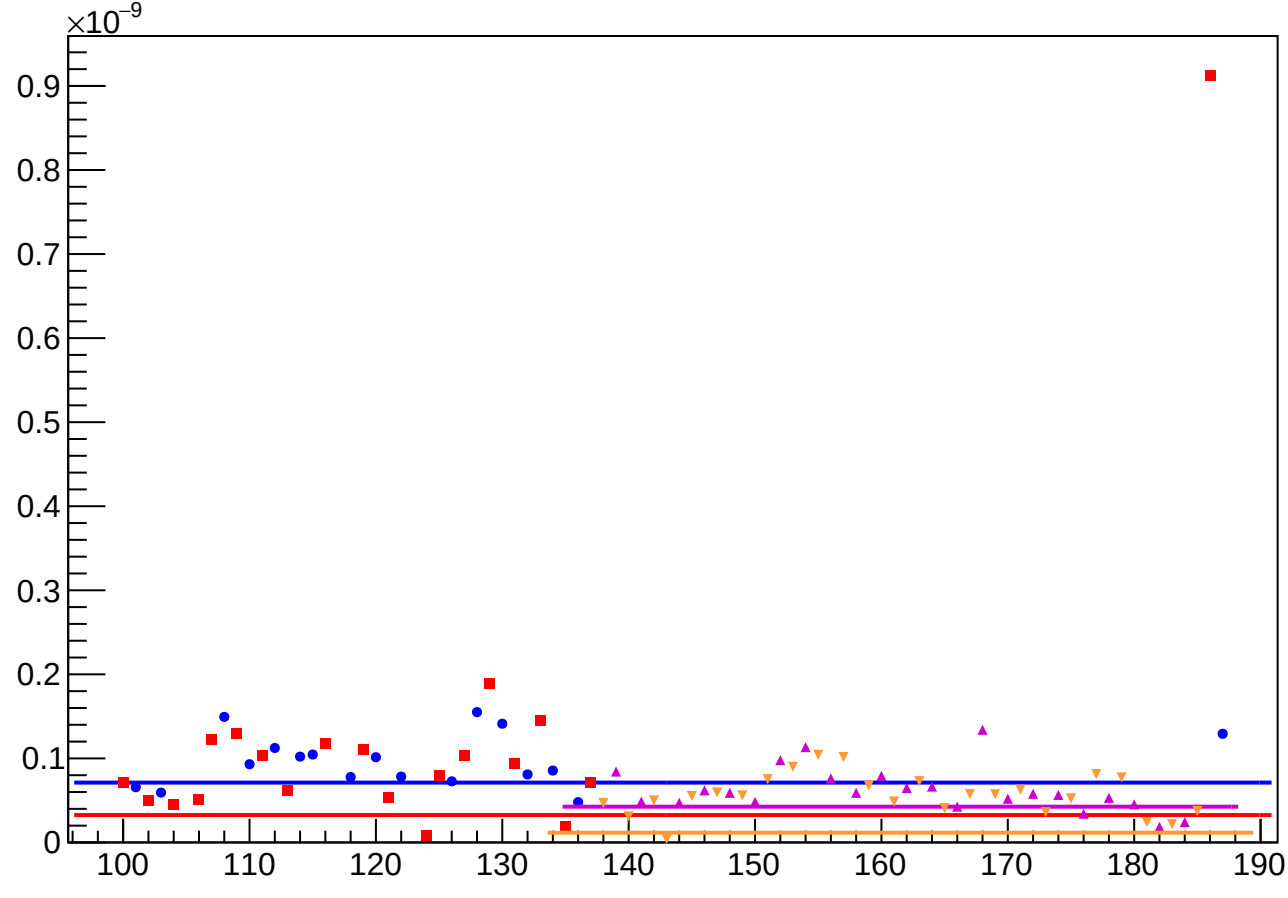
Right: 0.000+/-0.000 χ^2/NDF: 34.0/36

In: 0.000+/-0.000 χ^2/NDF:29.0/39

Out: 0.000+/-0.000 χ^2/NDF:47.8/44

All: 0.000+/-0.000 χ^2/NDF: 78.6/84

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1077123.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4930408.1/19

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

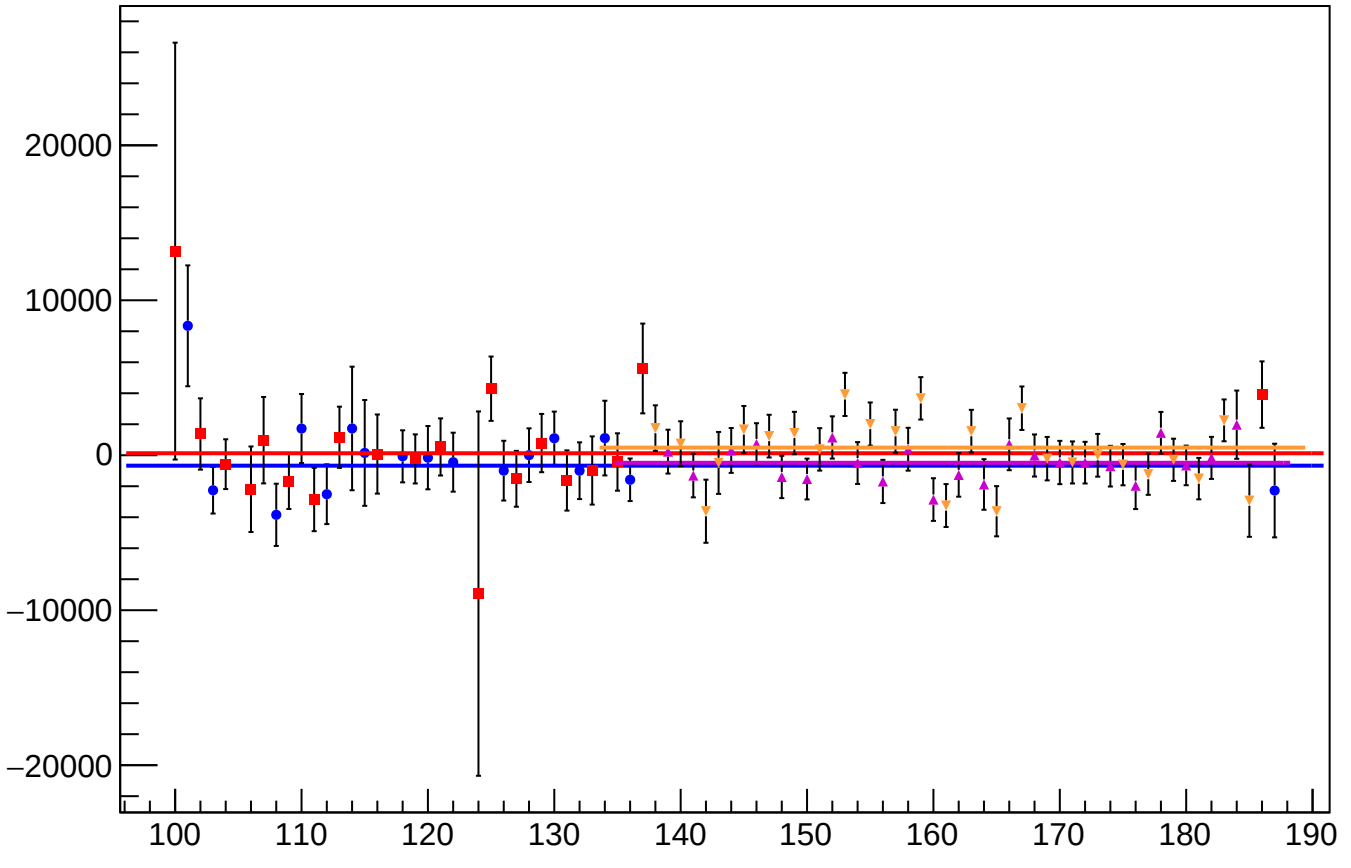
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7824416.2/36

In: 0.000+/-0.000 χ^2/NDF:7713986.8/39

Out: 0.000+/-0.000 χ^2/NDF:24544787.5/44

All: 0.000+/-0.000 χ^2/NDF: 44186833.0/84



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 128.473+/-475.595 χ^2/NDF: 19.1/19

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

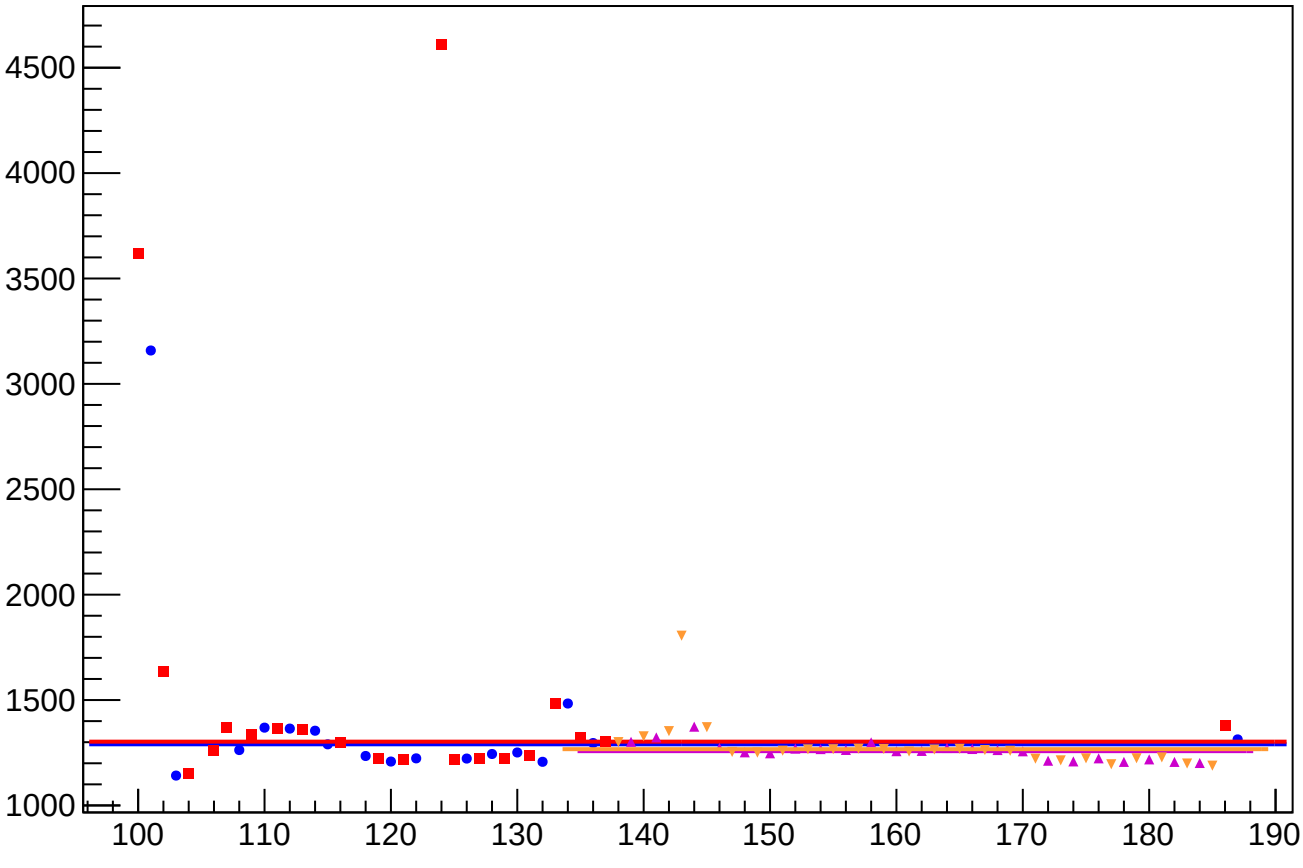
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -266.586+/-338.675 χ^2/NDF: 34.7/36

In: -537.195+/-250.905 χ^2/NDF:28.7/39

Out: 394.262+/-246.662 χ^2/NDF:66.5/44

All: -63.522+/-175.897 χ^2/NDF: 102.2/84



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1302.569+/-0.335 χ^2/NDF: 322015.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

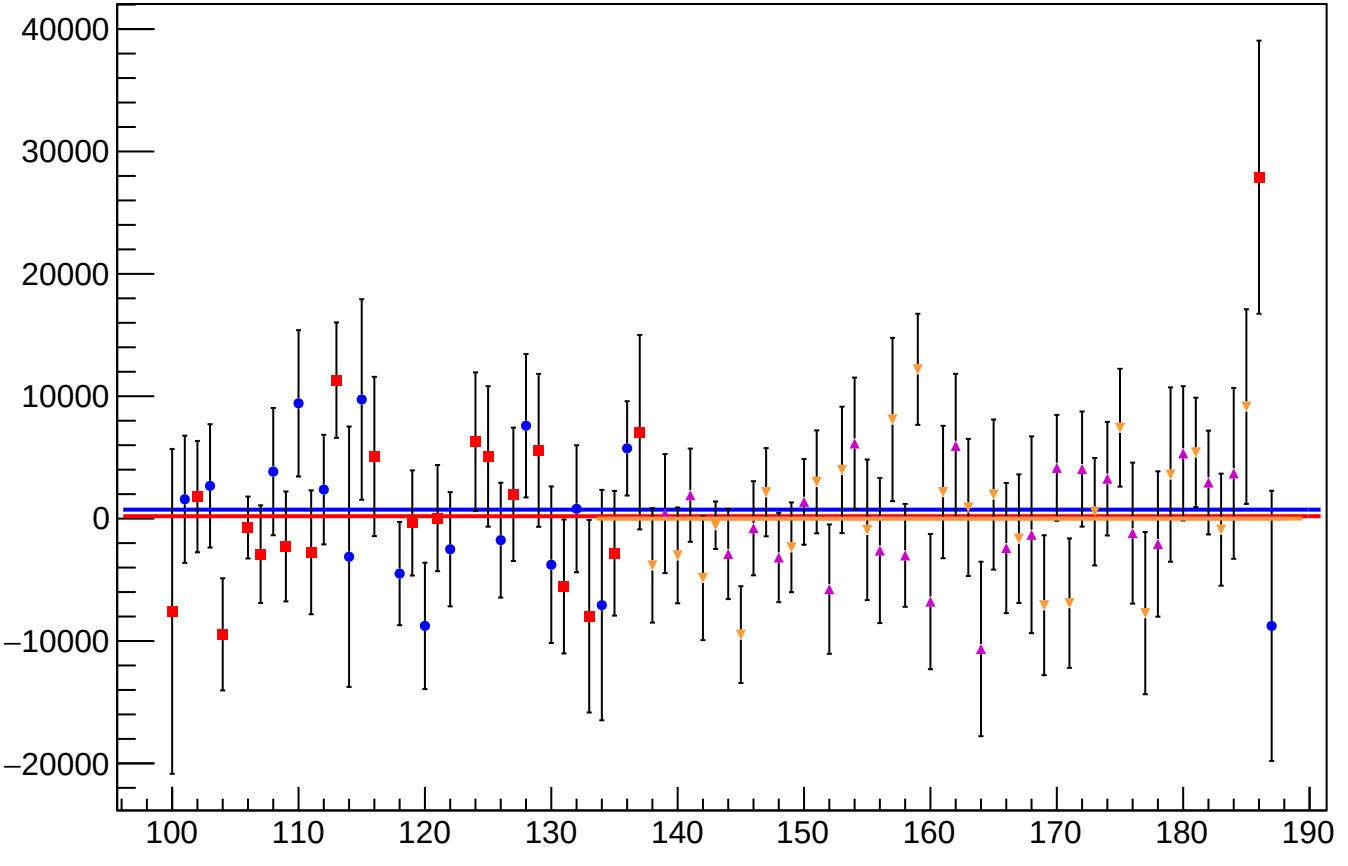
Right: 1296.425+/-0.239 χ^2/NDF: 837492.9/36

In: 1266.349+/-0.177 χ^2/NDF:558242.4/39

Out: 1276.579+/-0.174 χ^2/NDF:517783.0/44

All: 1271.555+/-0.124 χ^2/NDF: 1077717.1/84

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 197.309+/-1105.607 χ^2/NDF: 24.6/19

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

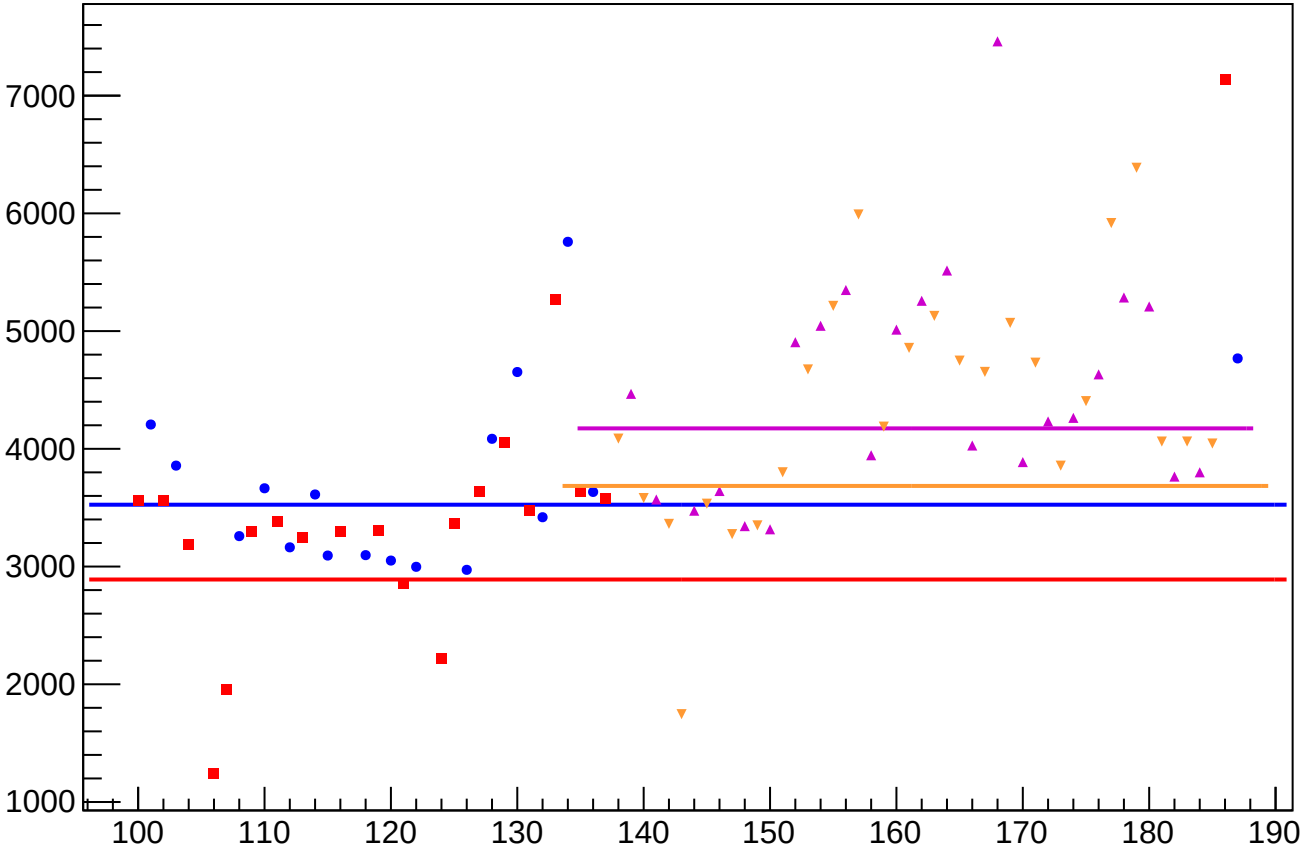
Right: 419.163+/-846.471 χ^2/NDF: 39.5/36

In: 287.018+/-793.818 χ^2/NDF:29.0/39

Out: 76.843+/-691.619 χ^2/NDF:53.7/44

All: 167.539+/-521.463 χ^2/NDF: 82.7/84

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2889.961+/-0.782 χ^2/NDF: 1792253.1/19

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

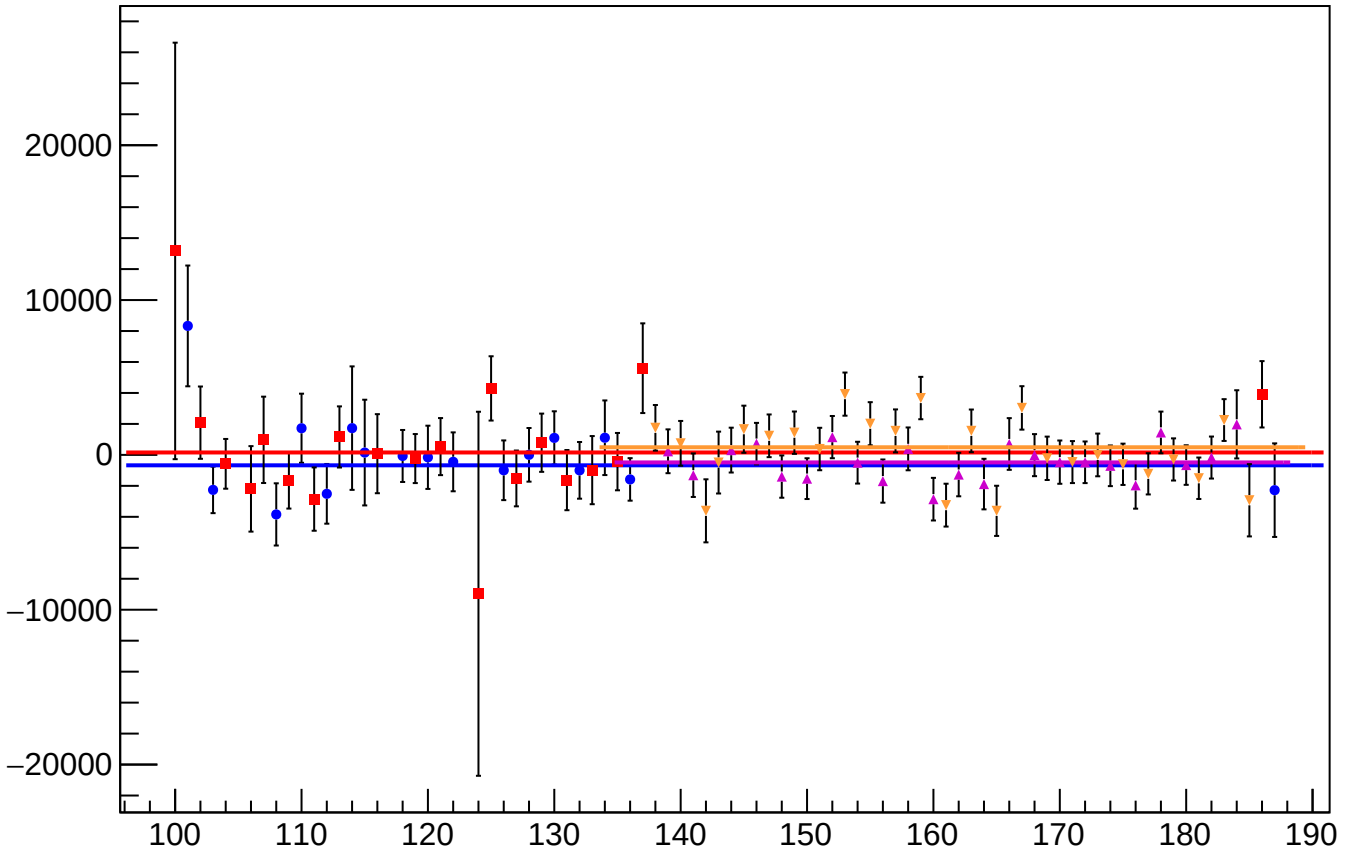
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3152.885+/-0.599 χ^2/NDF: 2445245.9/36

In: 3937.624+/-0.561 χ^2/NDF:1963400.0/39

Out: 3373.744+/-0.489 χ^2/NDF:6115030.3/44

All: 3617.072+/-0.369 χ^2/NDF: 8652116.4/84



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 156.296+/-475.895 χ^2/NDF: 19.6/19

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

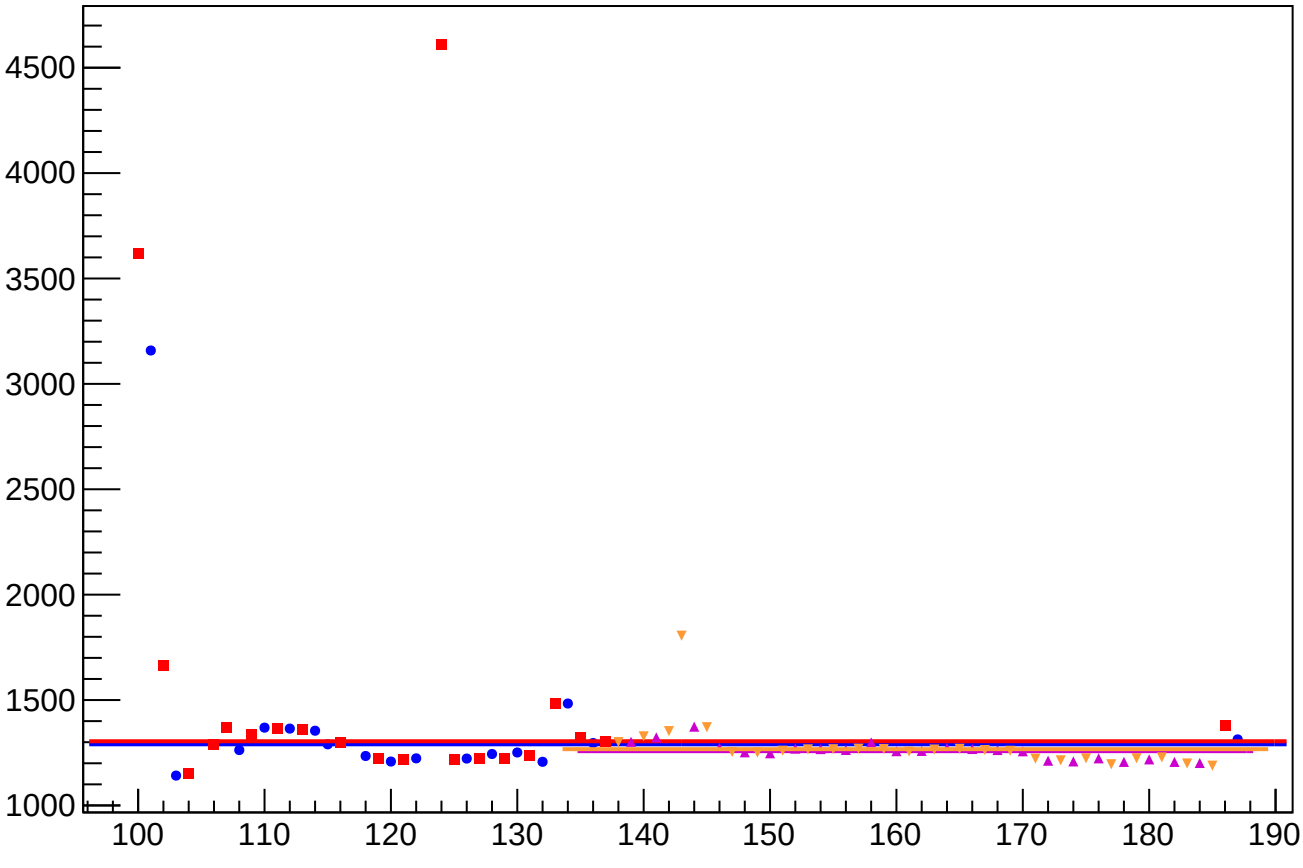
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -252.925+/-338.783 χ^2/NDF: 35.2/36

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -59.762+/-175.912 χ^2/NDF: 102.6/84



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

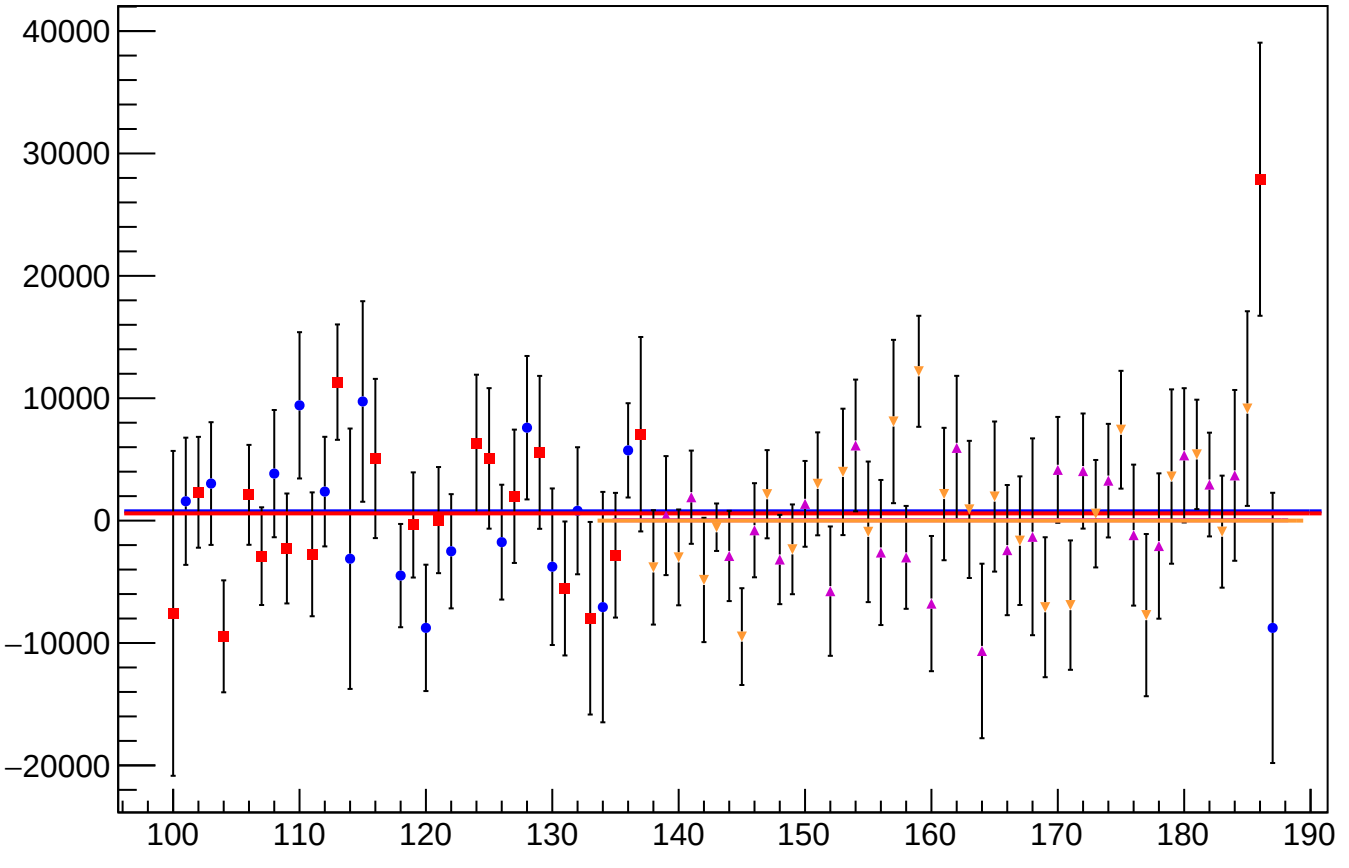
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.401+/-0.239 χ^2/NDF: 844121.4/36

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

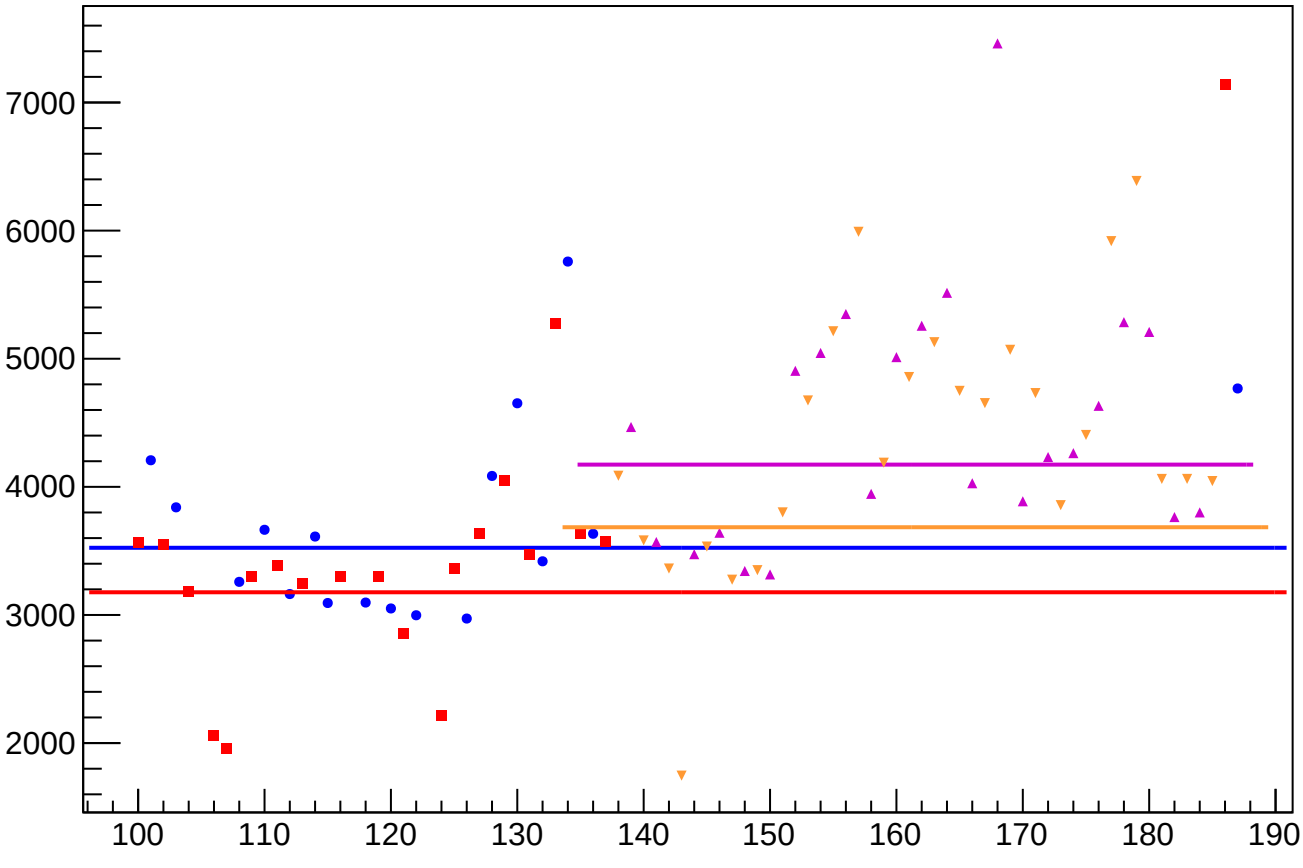
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 665.590+/-876.948 χ^2/NDF: 39.5/36

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 250.318+/-528.355 χ^2/NDF: 83.0/84



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

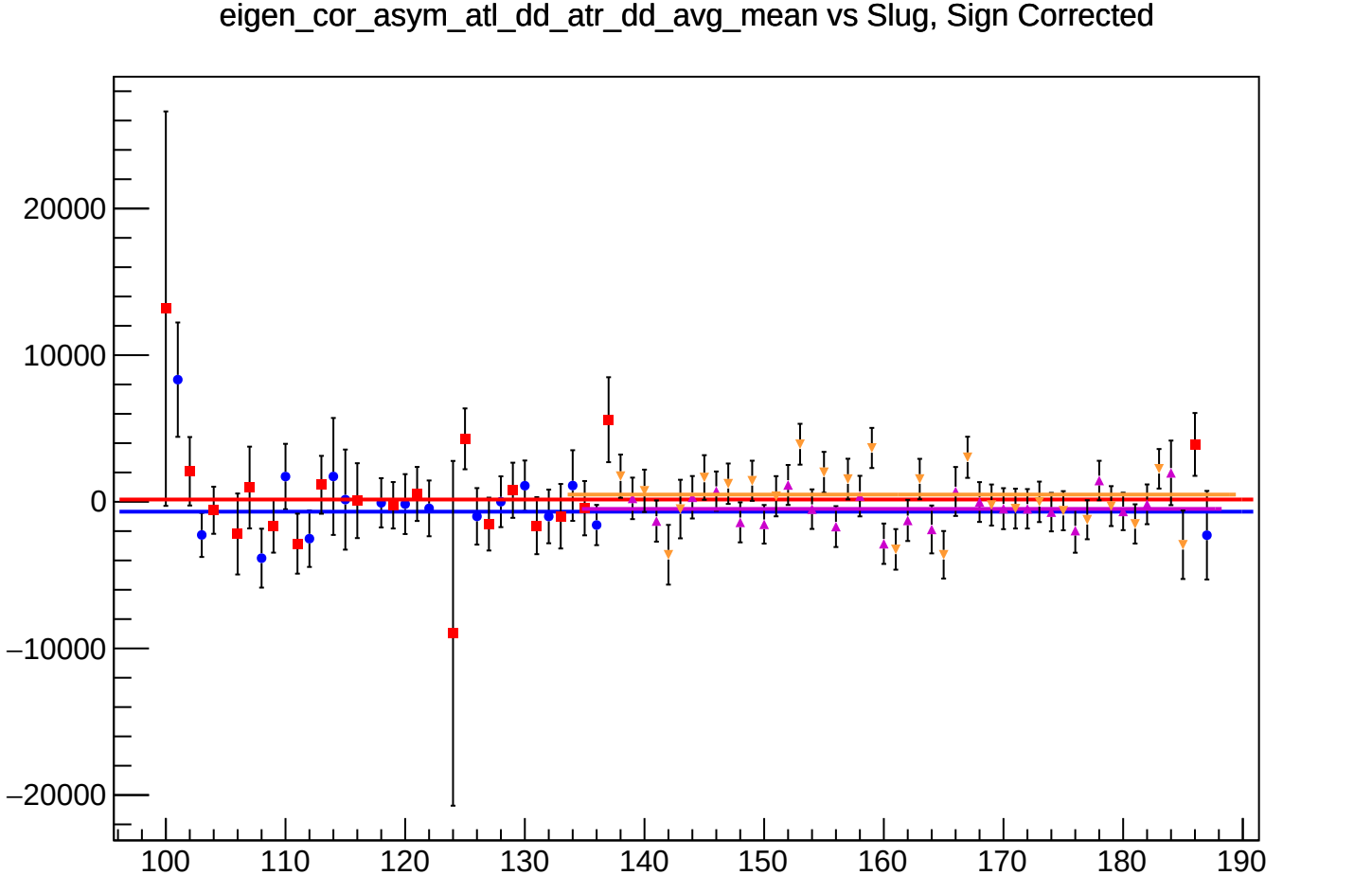
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3331.476+/-0.620 χ^2/NDF: 1360983.6/36

In: 3937.187+/-0.561 χ^2/NDF:1963693.1/39

Out: 3500.941+/-0.501 χ^2/NDF:4835742.0/44

All: 3694.249+/-0.374 χ^2/NDF: 7135888.0/84



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 156.296+/-475.895 χ^2/NDF: 19.6/19

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

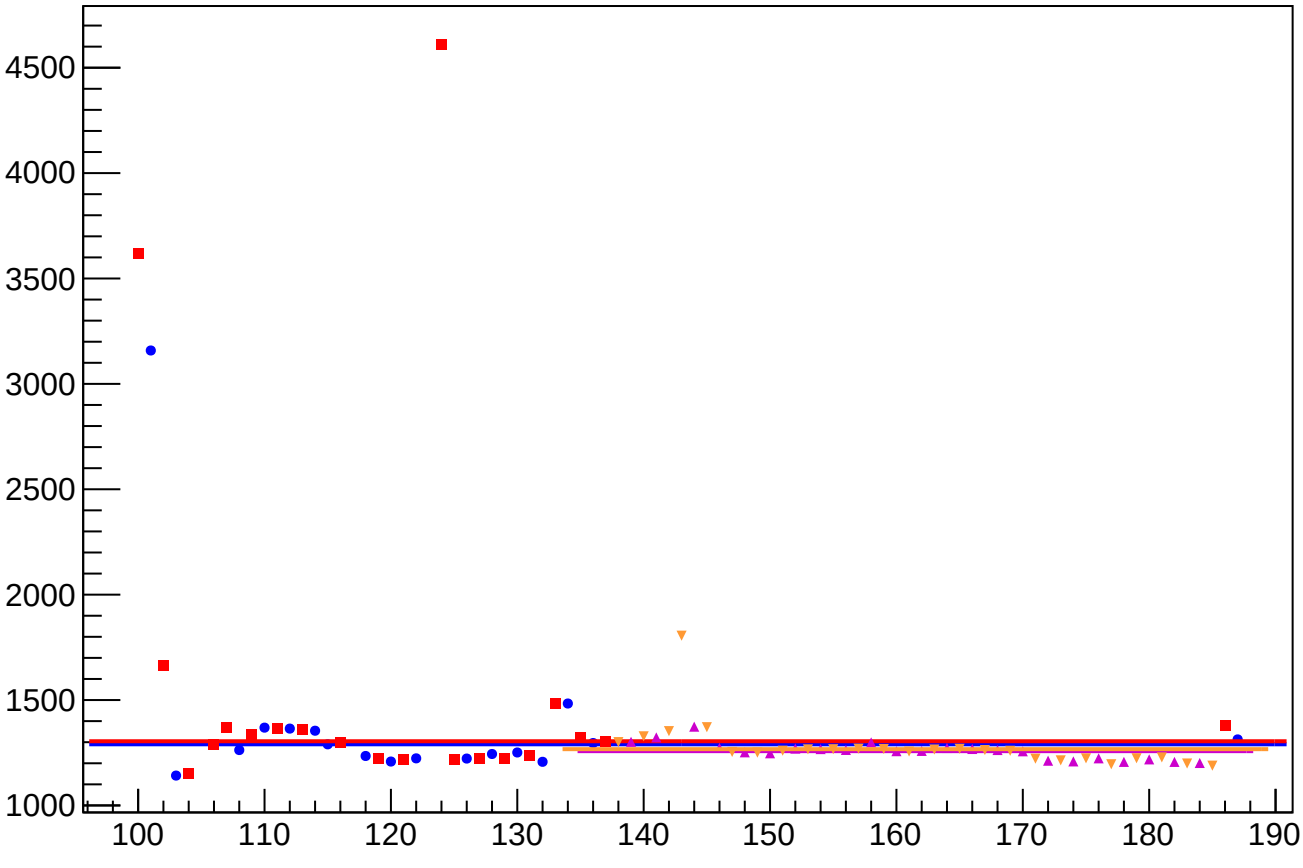
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -252.925+/-338.783 χ^2/NDF: 35.2/36

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -59.762+/-175.912 χ^2/NDF: 102.6/84



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

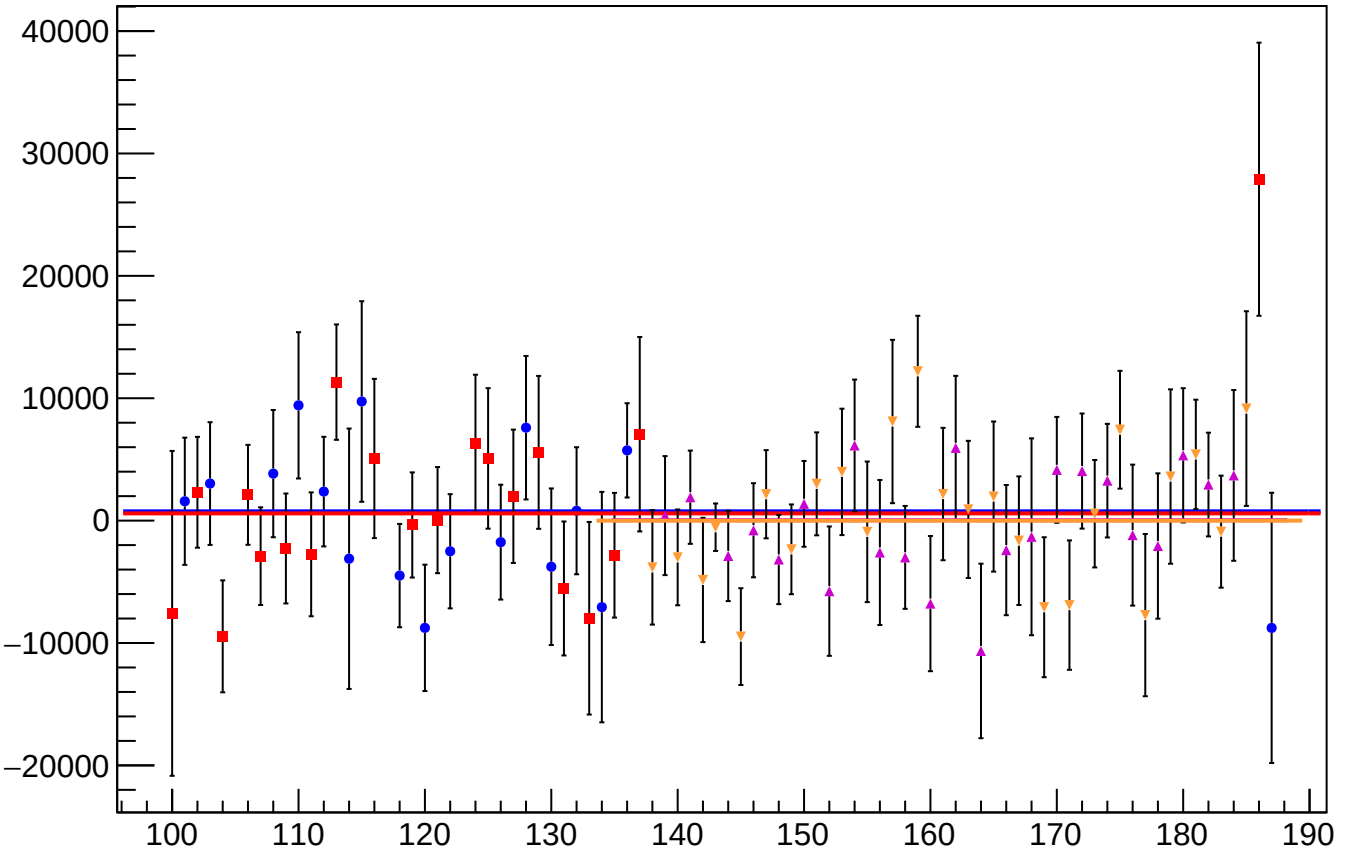
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.401+/-0.239 χ^2/NDF: 844121.4/36

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

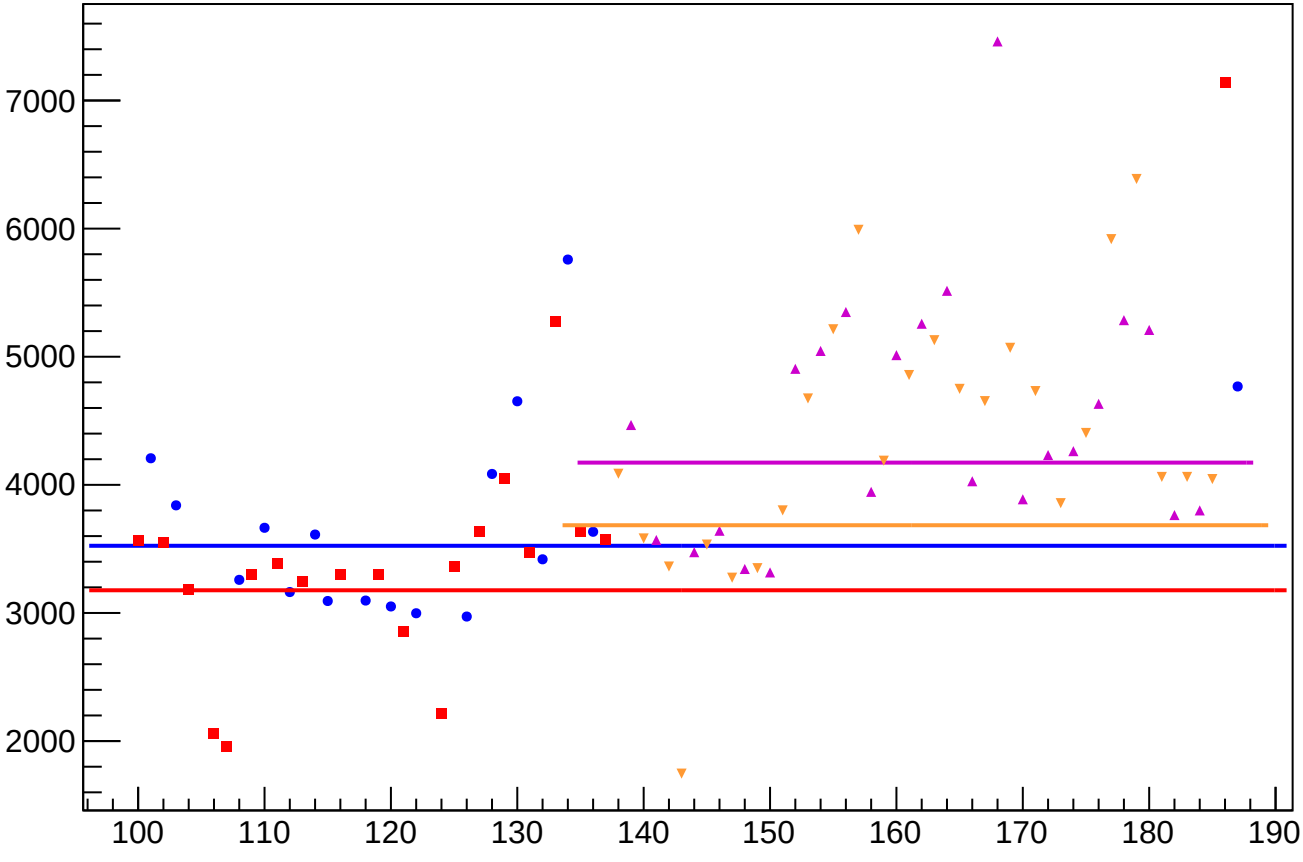
Right: 665.590+/-876.948 χ^2/NDF: 39.5/36

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 250.318+/-528.355 χ^2/NDF: 83.0/84

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

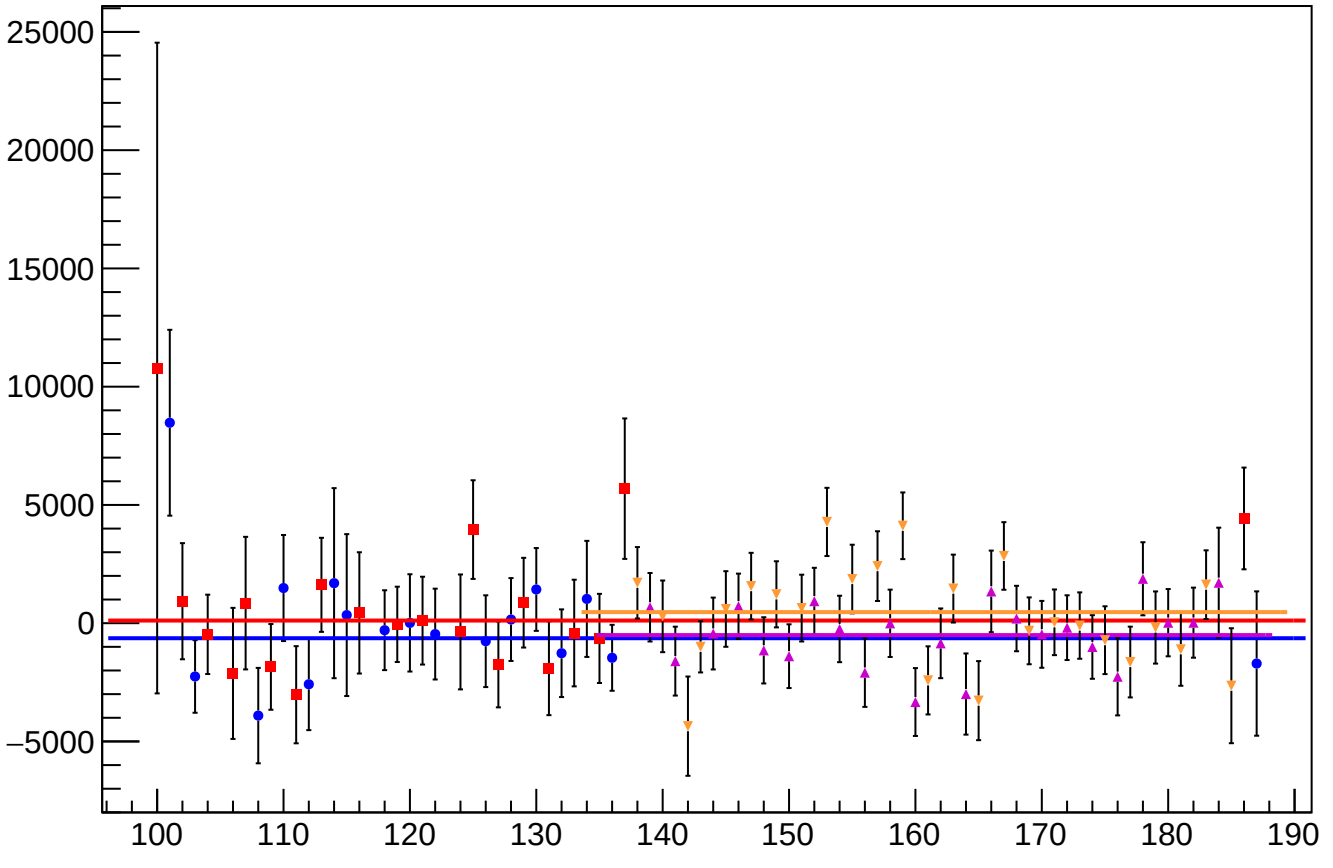
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3331.476+/-0.620 χ^2/NDF: 1360983.6/36

In: 3937.187+/-0.561 χ^2/NDF:1963693.1/39

Out: 3500.941+/-0.501 χ^2/NDF:4835742.0/44

All: 3694.249+/-0.374 χ^2/NDF: 7135888.0/84



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 111.422+/-473.633 χ^2/NDF: 19.1/19

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

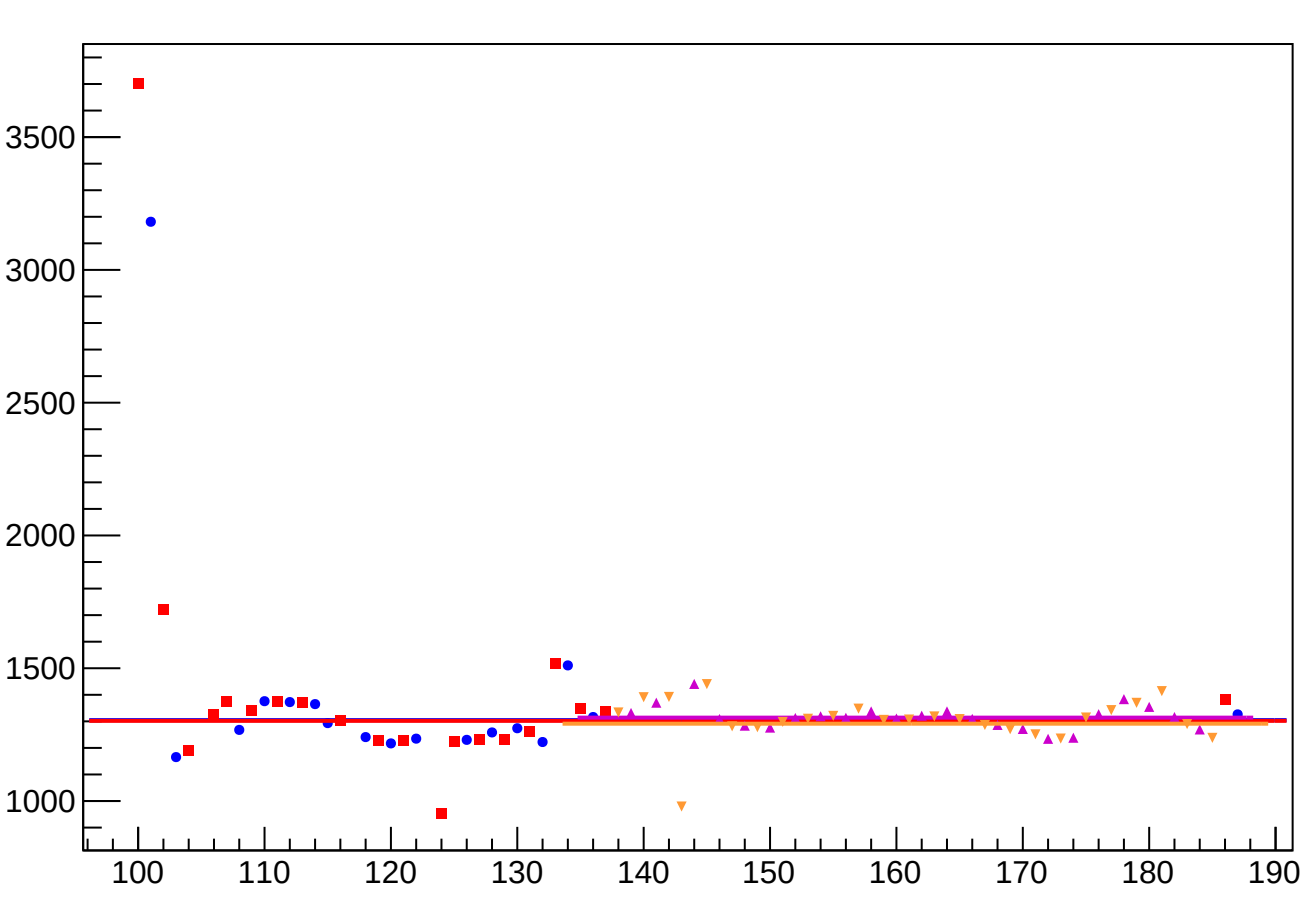
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -251.207+/-339.816 χ^2/NDF: 34.5/36

In: -541.111+/-259.863 χ^2/NDF:31.7/39

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -68.544+/-180.143 χ^2/NDF: 101.7/84



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.2/19

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

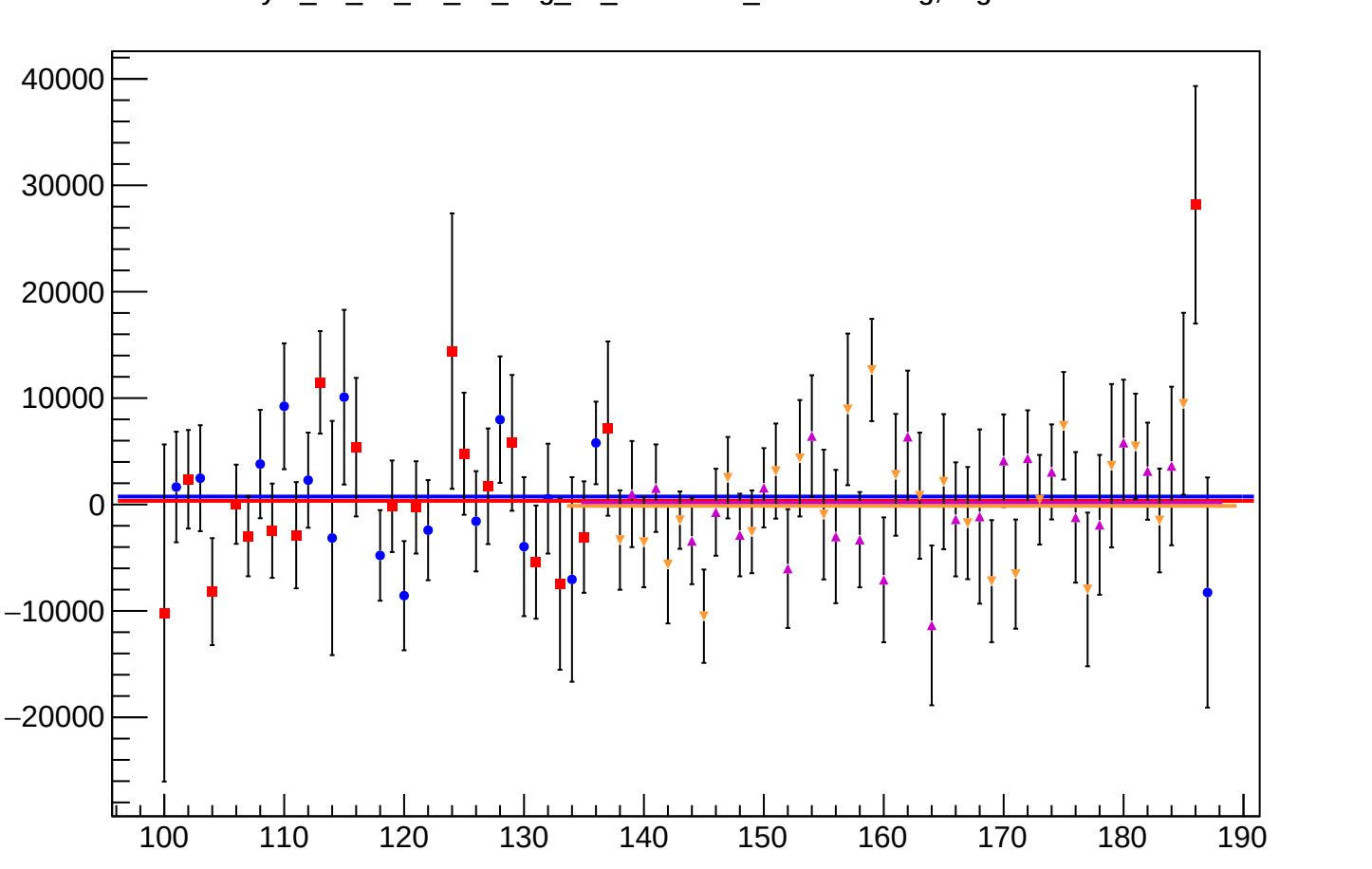
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

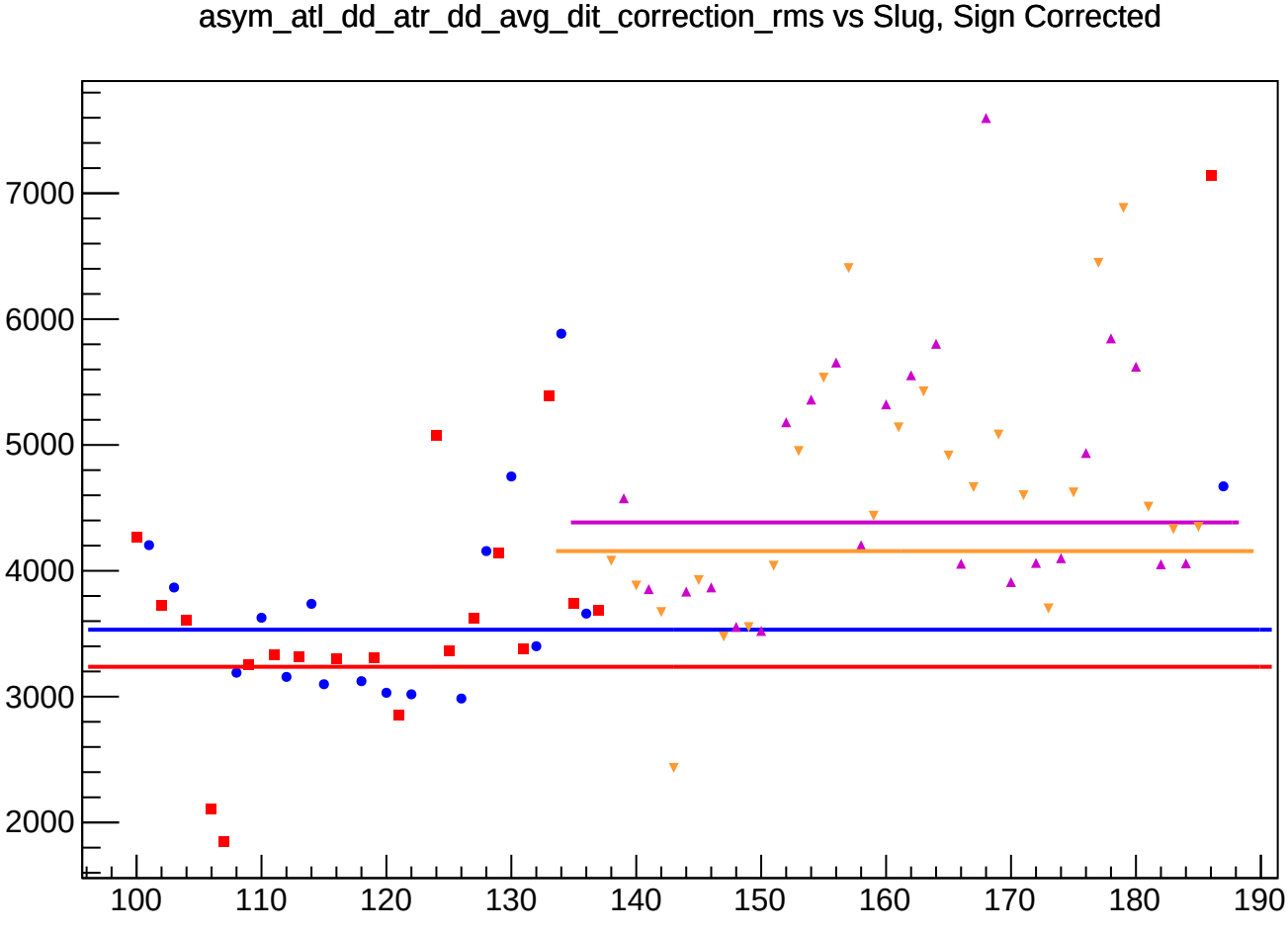
Right: 1303.269+/-0.240 χ^2/NDF: 726850.2/36

In: 1311.356+/-0.184 χ^2/NDF:554261.6/39

Out: 1294.205+/-0.177 χ^2/NDF:447604.2/44

All: 1302.445+/-0.127 χ^2/NDF: 1006392.1/84


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 748.094+/-1317.505 χ²/NDF: 14.8/16
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 342.260+/-1193.140 χ²/NDF: 23.1/19
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 525.124+/-884.385 χ²/NDF: 38.0/36
In: 386.904+/-818.975 χ²/NDF:28.7/39
Out: 61.242+/-756.016 χ²/NDF:51.8/44
All: 211.075+/-555.510 χ²/NDF: 80.6/84



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3237.299+/-0.844 χ^2/NDF: 1019707.5/19

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

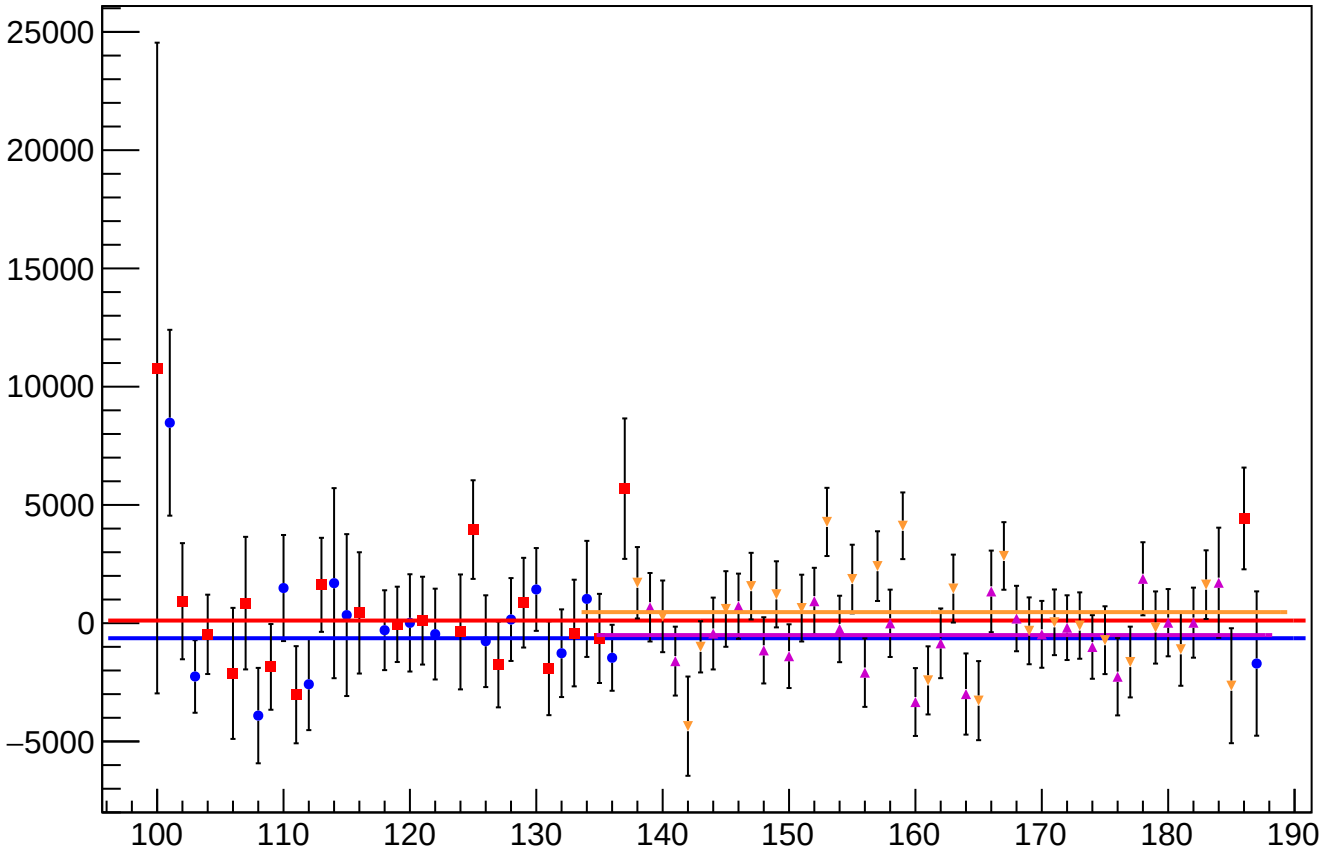
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3370.052+/-0.625 χ^2/NDF: 1472282.1/36

In: 4054.955+/-0.579 χ^2/NDF:2166784.2/39

Out: 3787.495+/-0.535 χ^2/NDF:3811055.0/44

All: 3910.550+/-0.393 χ^2/NDF: 6093006.5/84



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 111.413+/-473.633 χ^2/NDF: 19.1/19

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

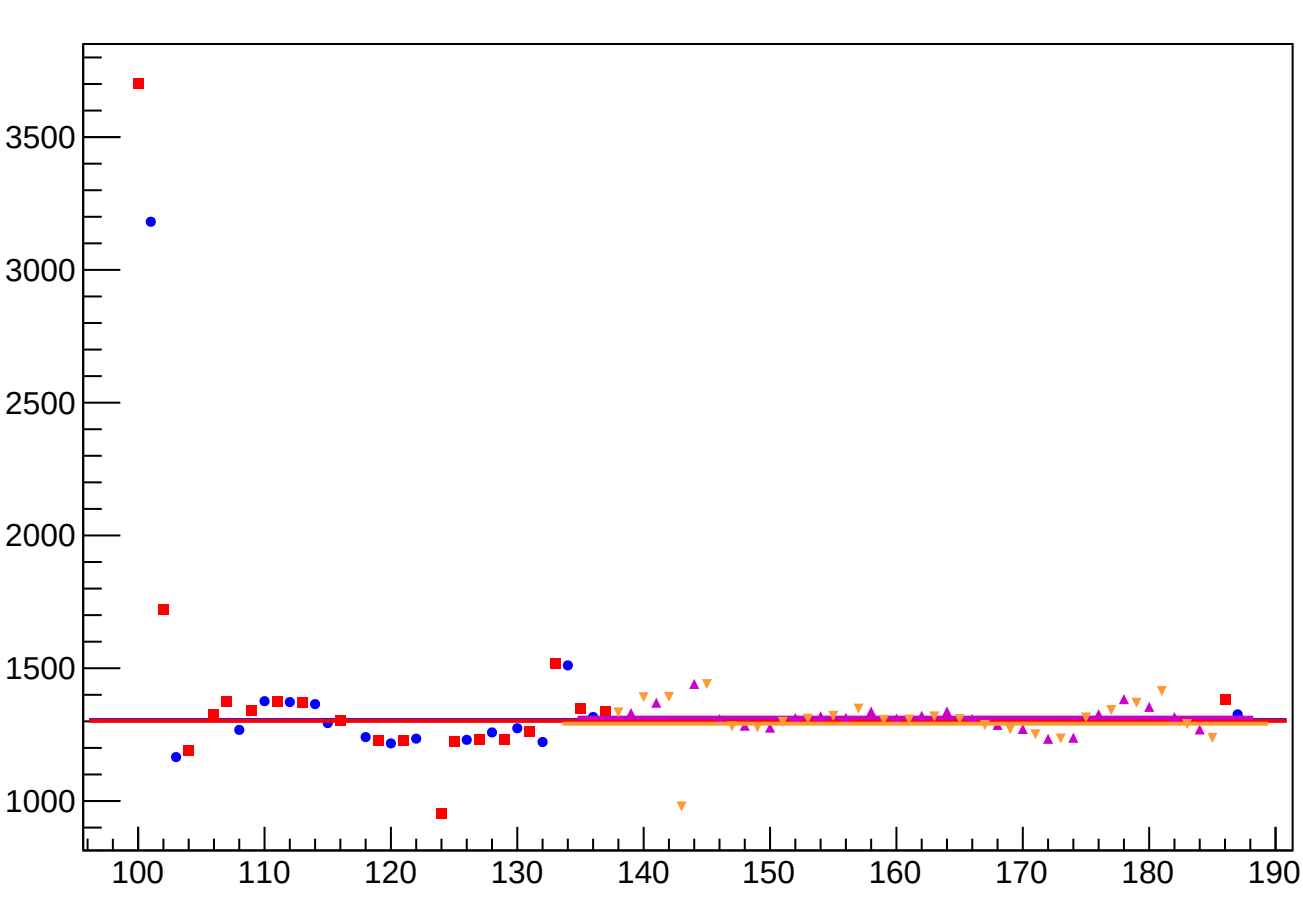
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -251.214+/-339.816 χ^2/NDF: 34.5/36

In: -541.113+/-259.863 χ^2/NDF:31.7/39

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -68.545+/-180.143 χ^2/NDF: 101.7/84



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.3/19

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

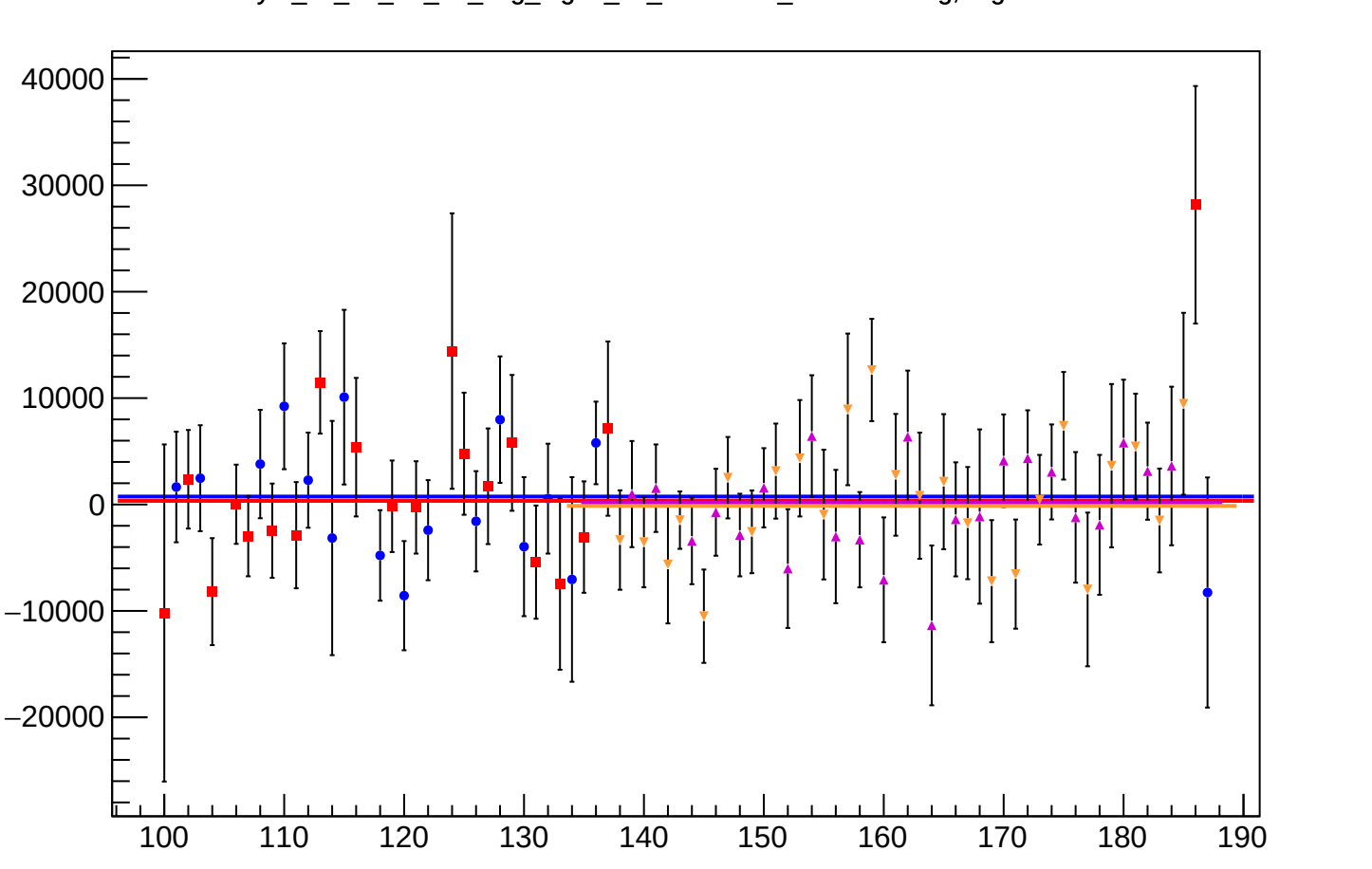
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1303.269+/-0.240 χ^2/NDF: 726850.4/36

In: 1311.357+/-0.184 χ^2/NDF:554264.0/39

Out: 1294.206+/-0.177 χ^2/NDF:447606.6/44

All: 1302.446+/-0.127 χ^2/NDF: 1006396.9/84



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 342.255+/-1193.137 χ^2/NDF: 23.1/19

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

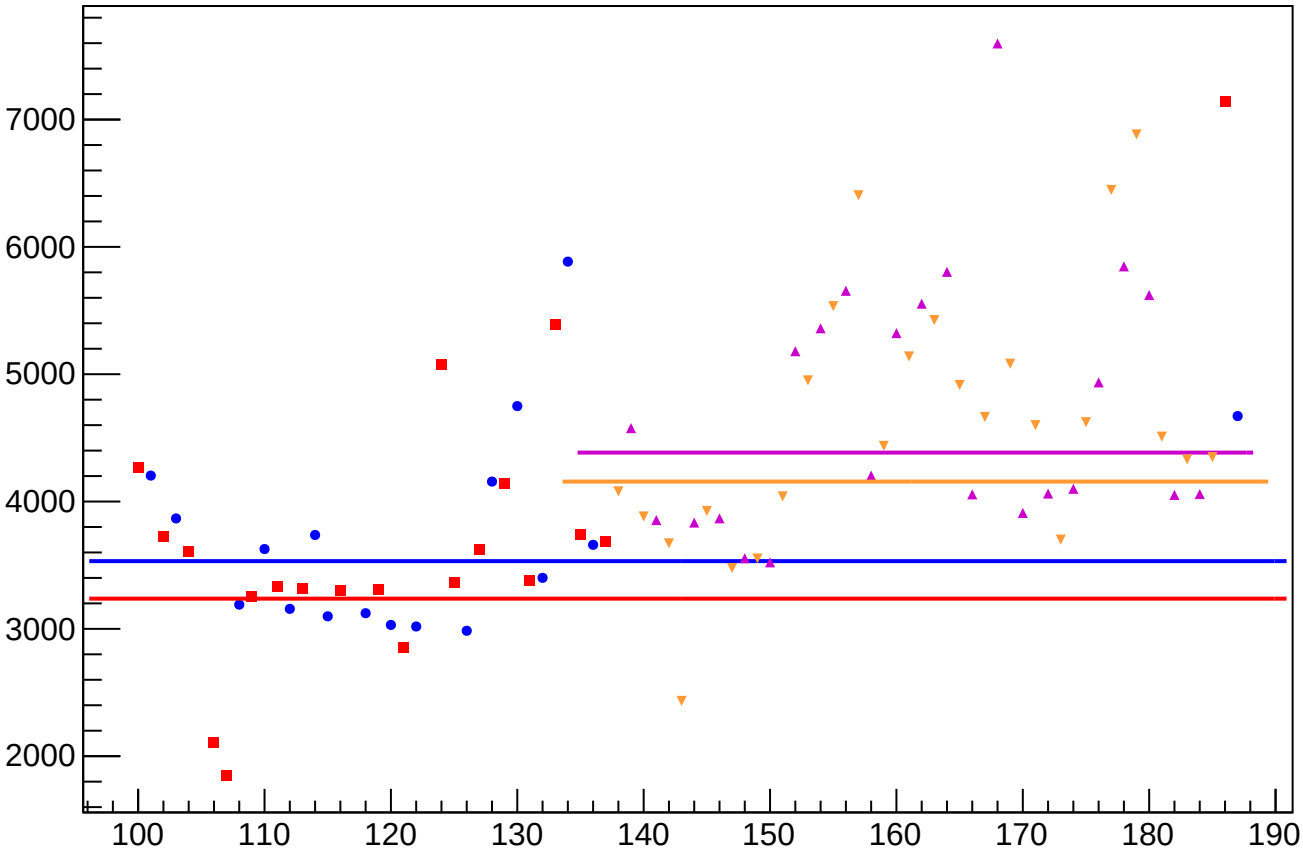
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 525.116+/-884.383 χ^2/NDF: 38.0/36

In: 386.902+/-818.975 χ^2/NDF:28.7/39

Out: 61.242+/-756.016 χ^2/NDF:51.8/44

All: 211.075+/-555.510 χ^2/NDF: 80.6/84



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3237.291+/-0.844 χ^2/NDF: 1019710.1/19

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

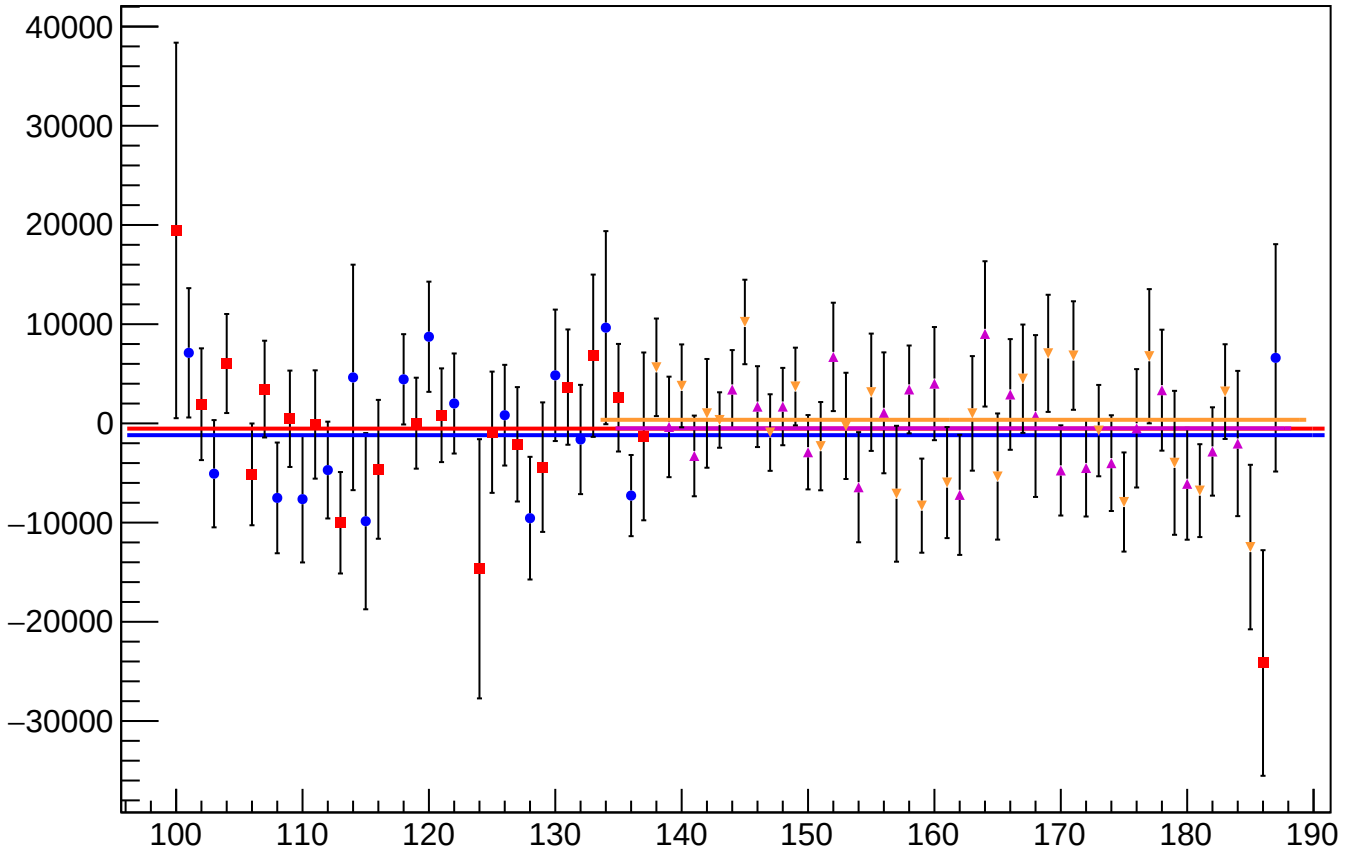
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3370.043+/-0.625 χ^2/NDF: 1472289.4/36

In: 4054.954+/-0.579 χ^2/NDF:2166813.0/39

Out: 3787.494+/-0.535 χ^2/NDF:3811083.9/44

All: 3910.549+/-0.393 χ^2/NDF: 6093064.1/84



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -527.725+/-1326.934 χ^2/NDF: 16.0/19

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

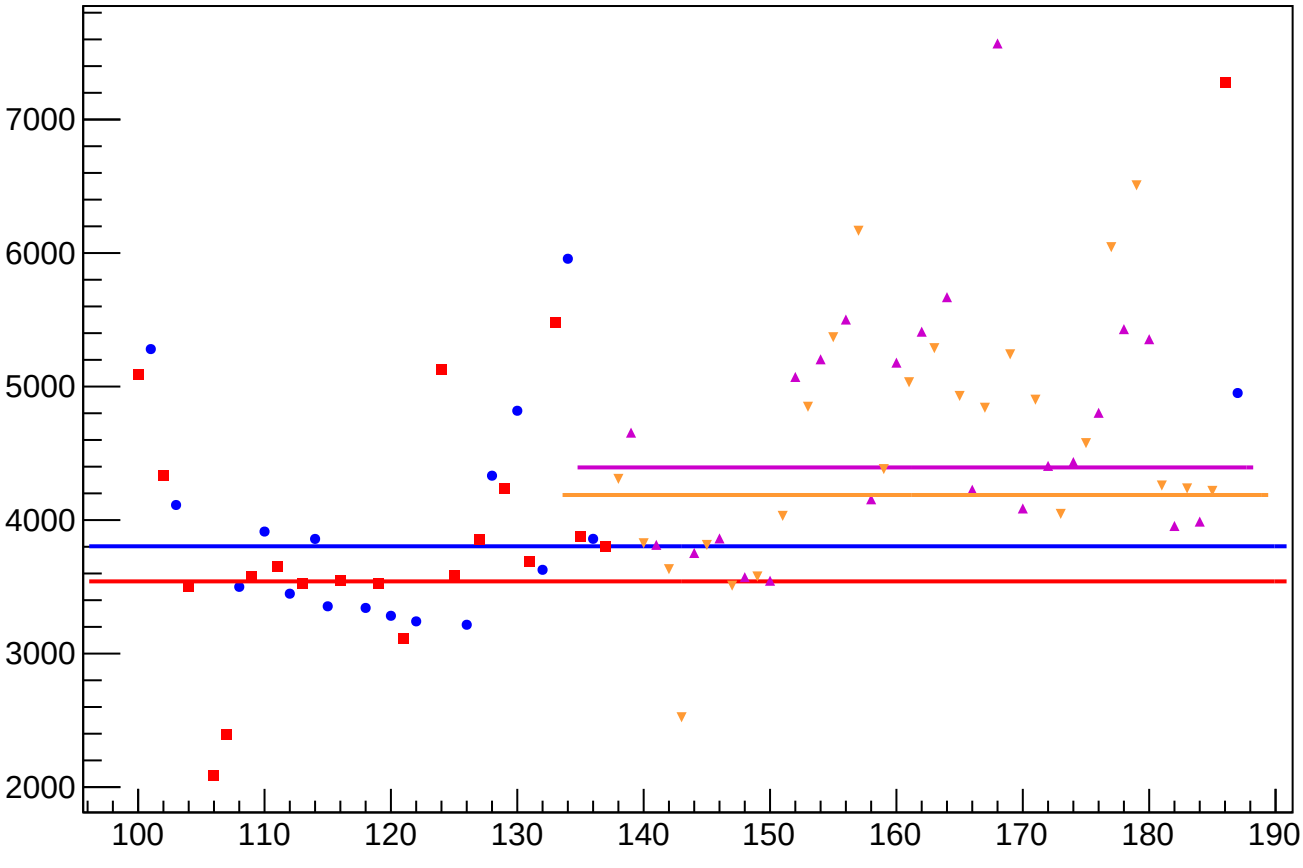
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -835.248+/-969.702 χ^2/NDF: 34.2/36

In: -739.776+/-841.623 χ^2/NDF:32.1/39

Out: 48.382+/-788.241 χ^2/NDF:44.0/44

All: -319.910+/-575.317 χ^2/NDF: 76.5/84



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3540.810+/-0.926 χ^2/NDF: 805651.3/19

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

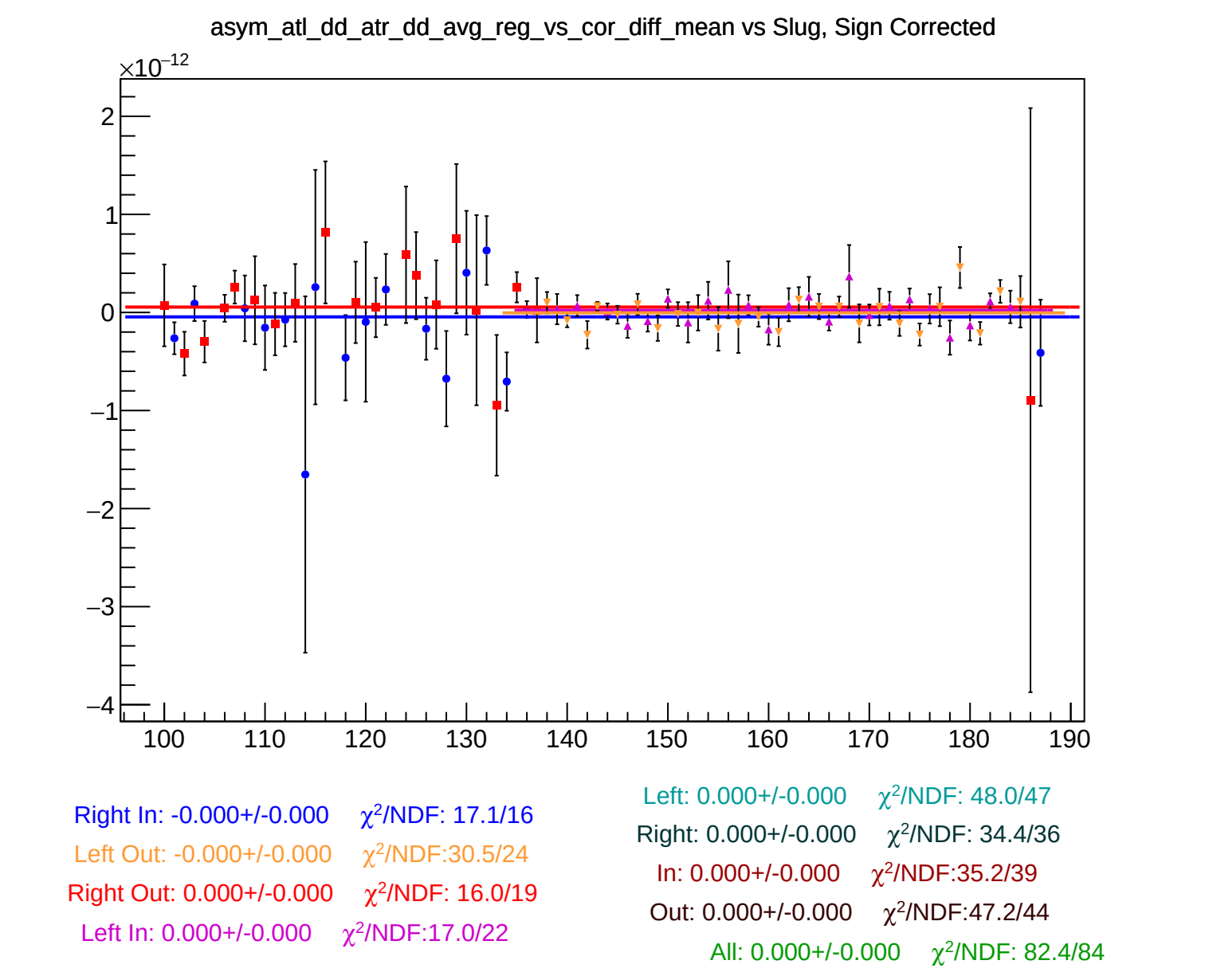
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

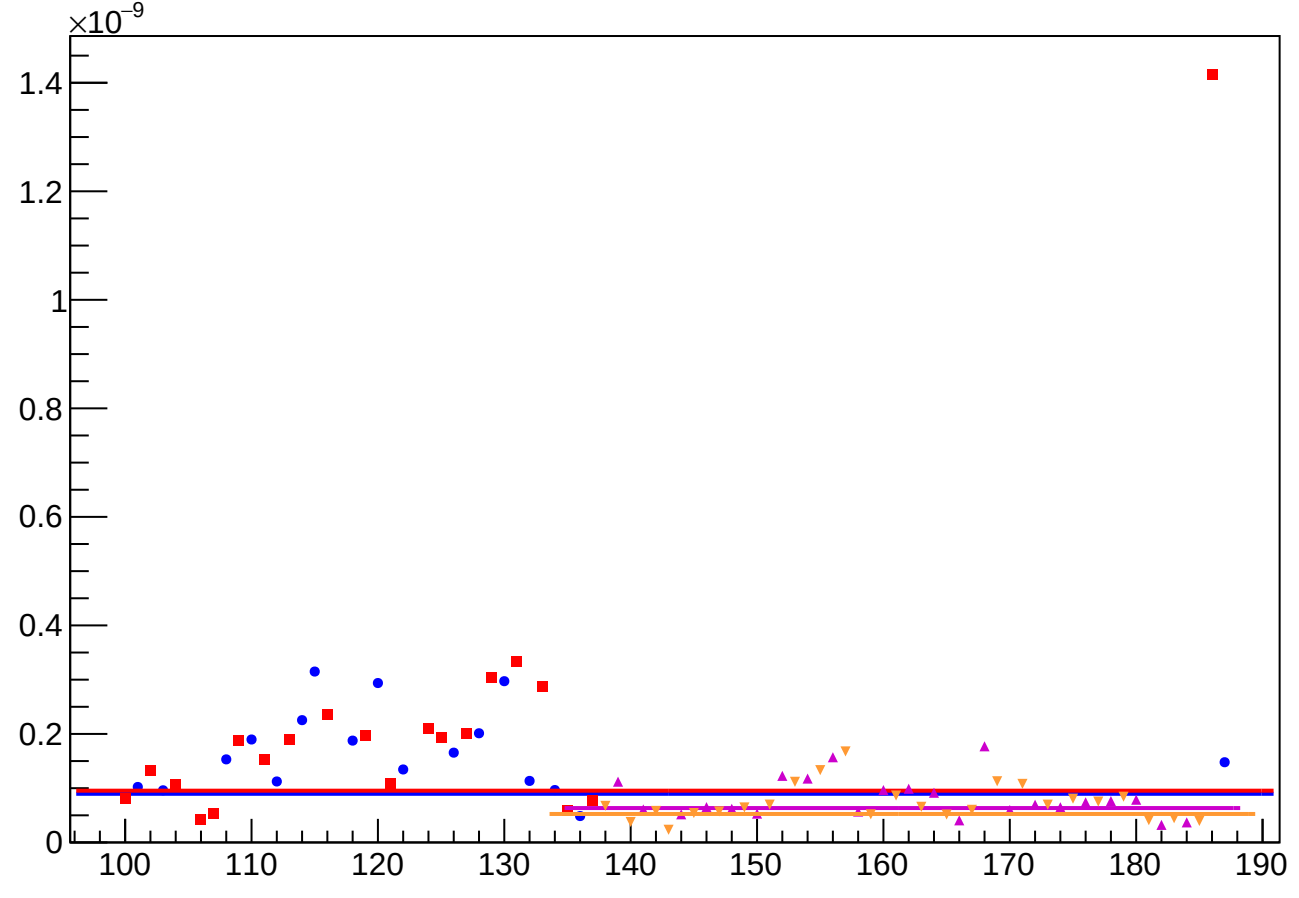
Right: 3661.531+/-0.681 χ^2/NDF: 1246063.4/36

In: 4187.011+/-0.595 χ^2/NDF:1716151.8/39

Out: 3955.508+/-0.555 χ^2/NDF:2915149.5/44

All: 4063.130+/-0.406 χ^2/NDF: 4712277.4/84


asym_atl_dd_atr_dd_avg_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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/16
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/19
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: 0.000+/-0.000 χ²/NDF: 34.4/36
In: 0.000+/-0.000 χ²/NDF:35.2/39
Out: 0.000+/-0.000 χ²/NDF:47.2/44
All: 0.000+/-0.000 χ²/NDF: 82.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2127050.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

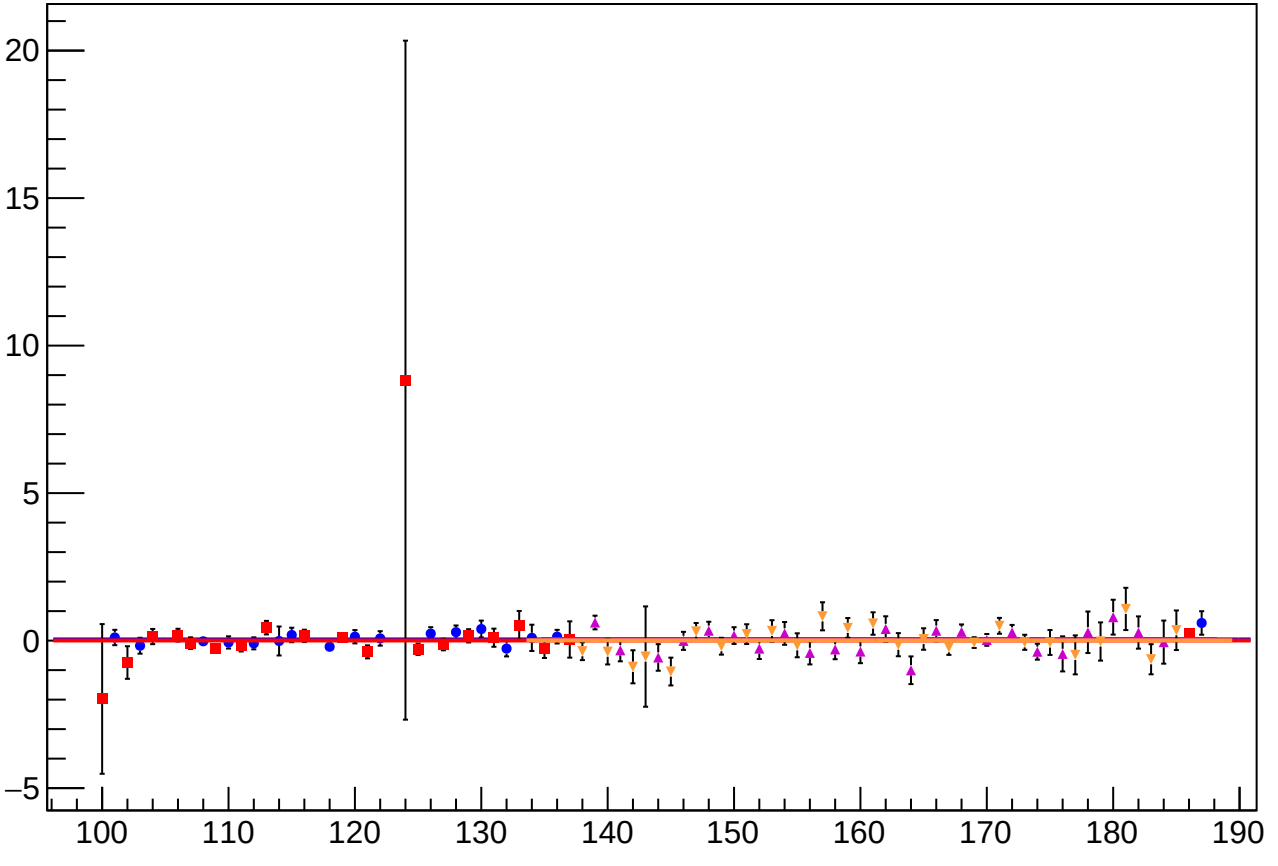
Right: 0.000+/-0.000 χ^2/NDF: 3619847.5/36

In: 0.000+/-0.000 χ^2/NDF:3607391.7/39

Out: 0.000+/-0.000 χ^2/NDF:5559371.3/44

All: 0.000+/-0.000 χ^2/NDF: 9390157.8/84

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

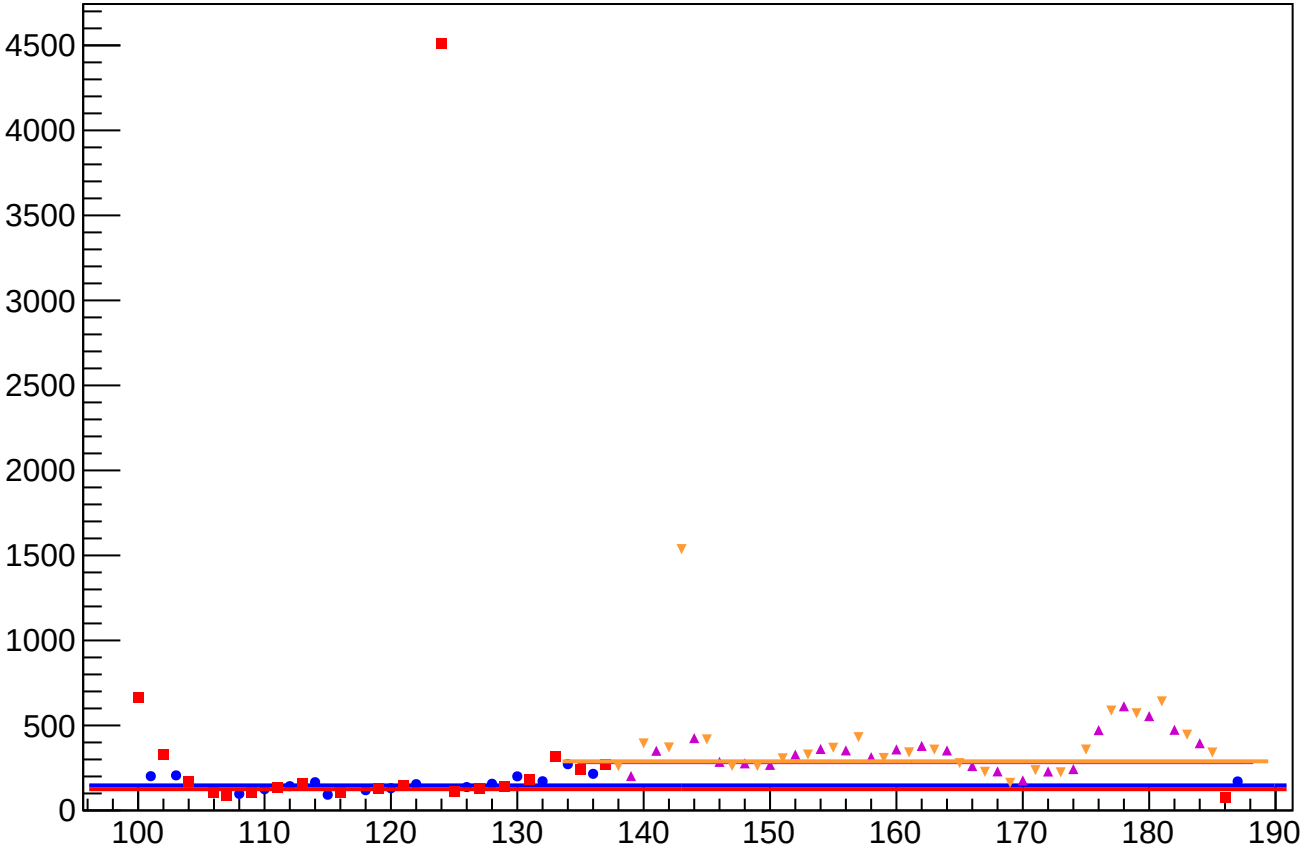
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

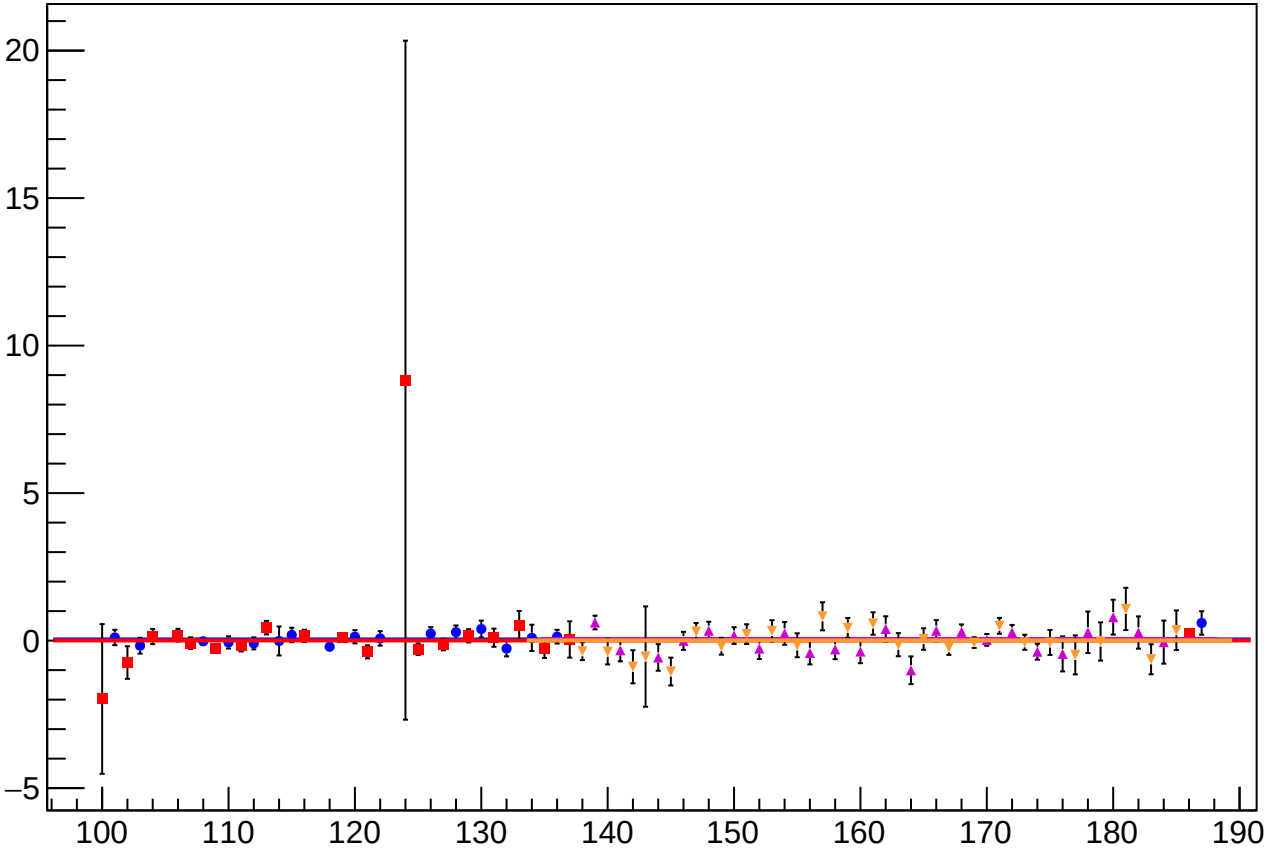
Right: 134.675+/-0.027 χ^2/NDF: 3170023.1/36

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

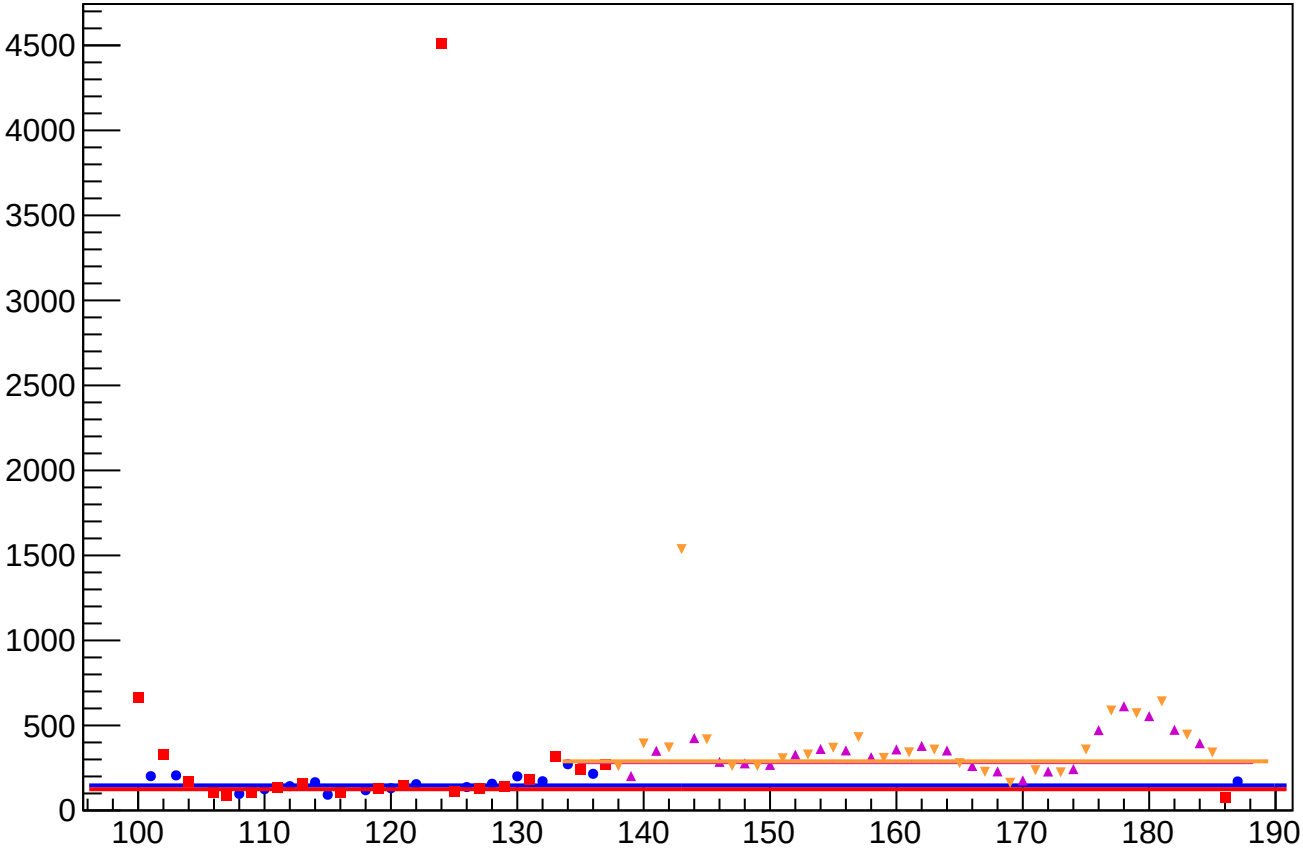
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

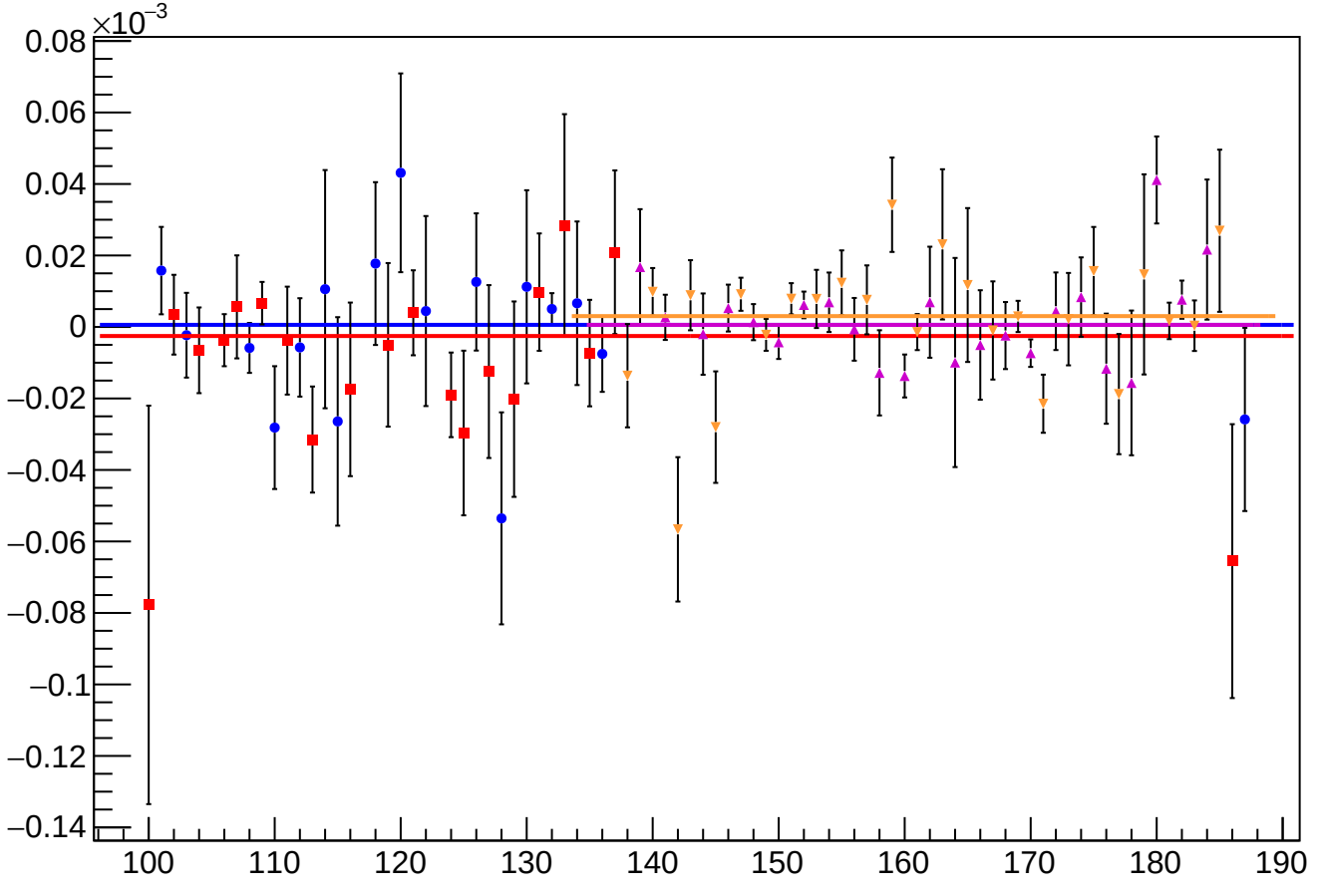
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 134.675+/-0.027 χ^2/NDF: 3170023.1/36

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

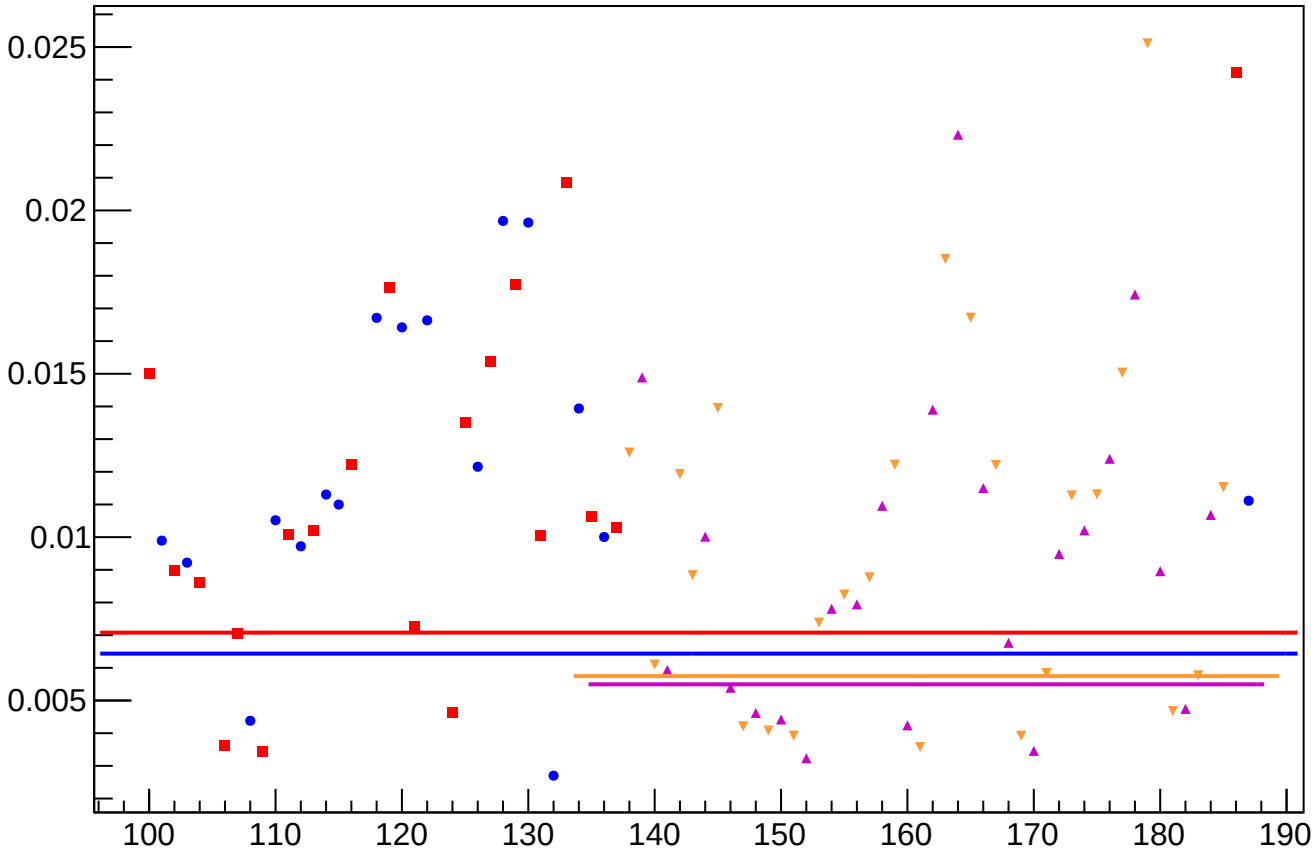
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: -0.000+/-0.000 χ^2/NDF: 35.3/36

In: 0.000+/-0.000 χ^2/NDF:49.1/39

Out: 0.000+/-0.000 χ^2/NDF:63.7/44

All: 0.000+/-0.000 χ^2/NDF: 113.3/84



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3813334.3/19

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

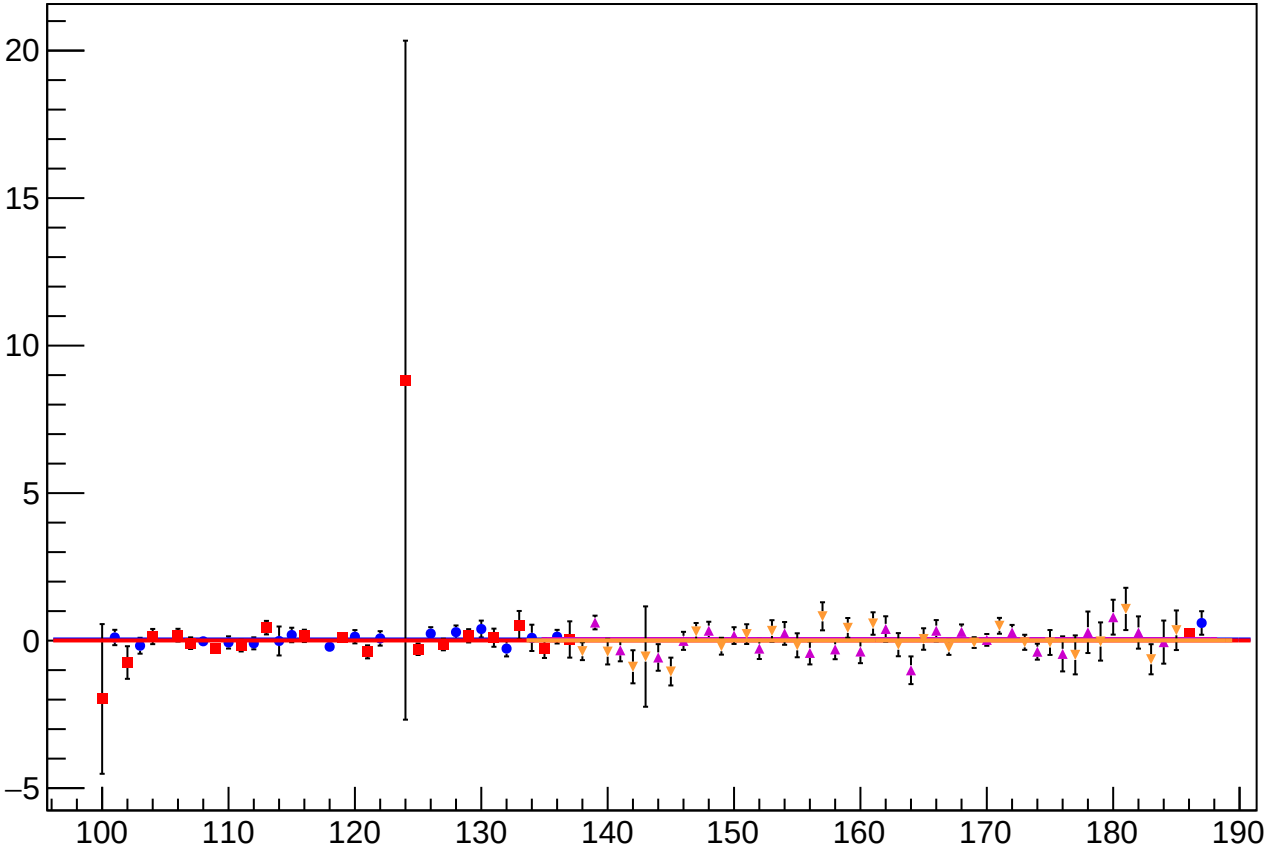
Right: 0.007+/-0.000 χ^2/NDF: 8567898.4/36

In: 0.006+/-0.000 χ^2/NDF:11808826.7/39

Out: 0.006+/-0.000 χ^2/NDF:12254012.6/44

All: 0.006+/-0.000 χ^2/NDF: 24119828.3/84

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

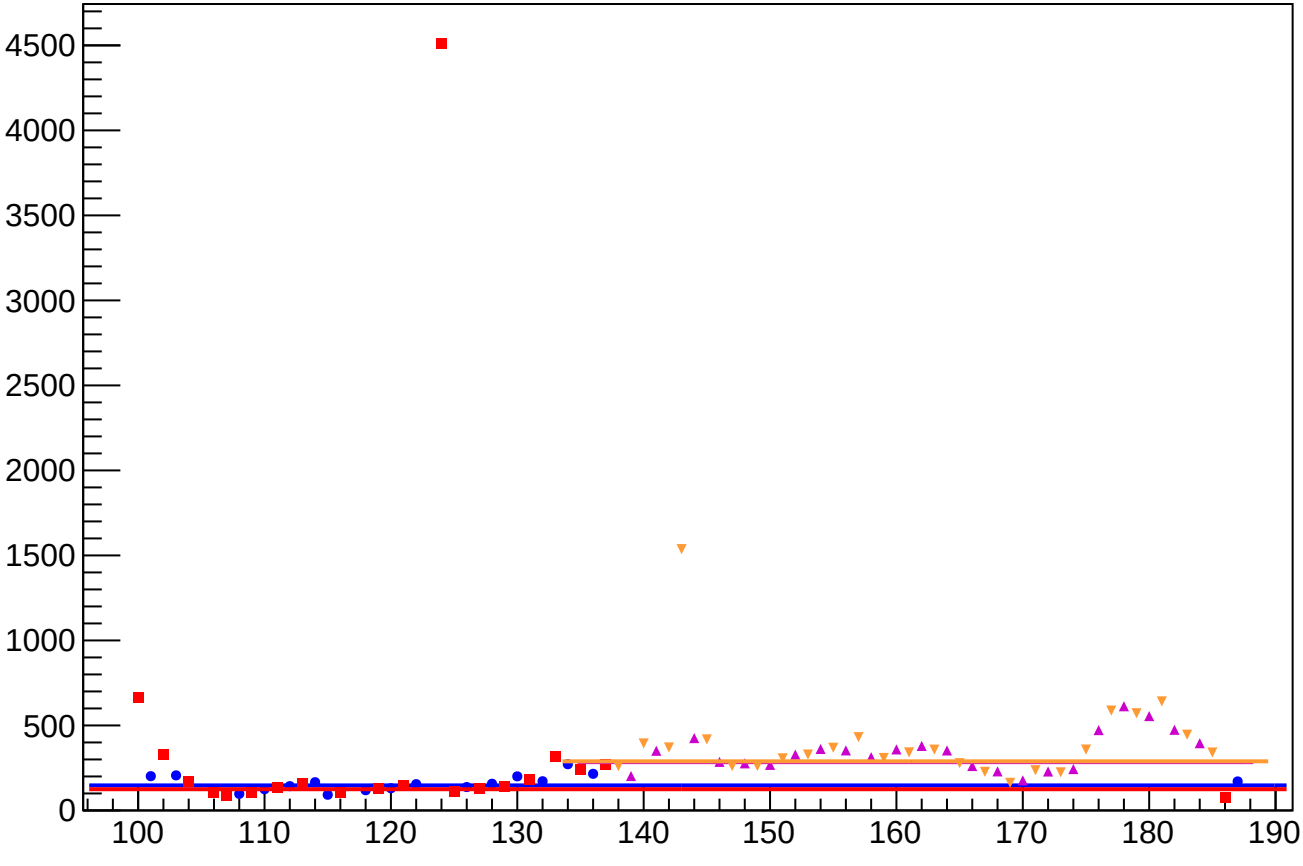
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

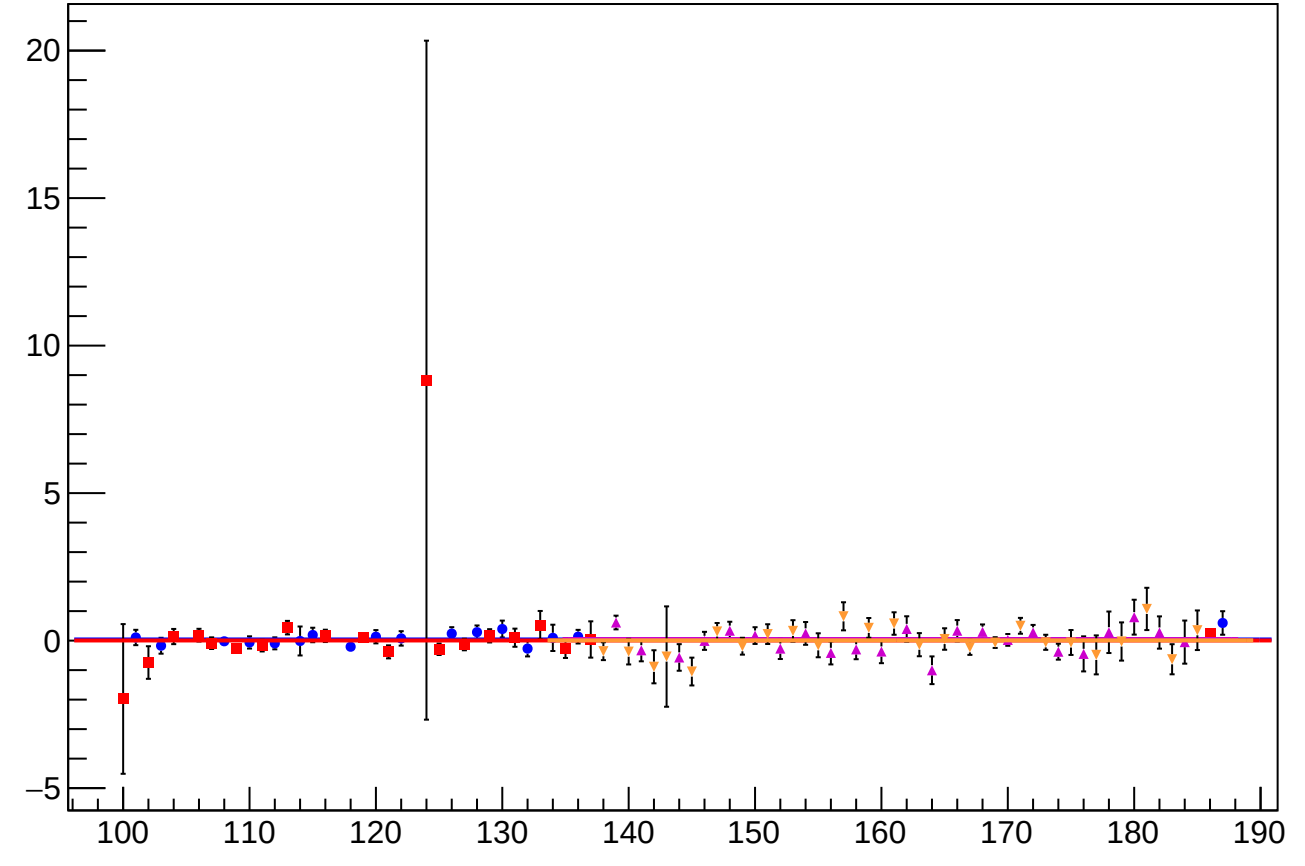
Right: 134.677+/-0.027 χ^2/NDF: 3169823.8/36

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

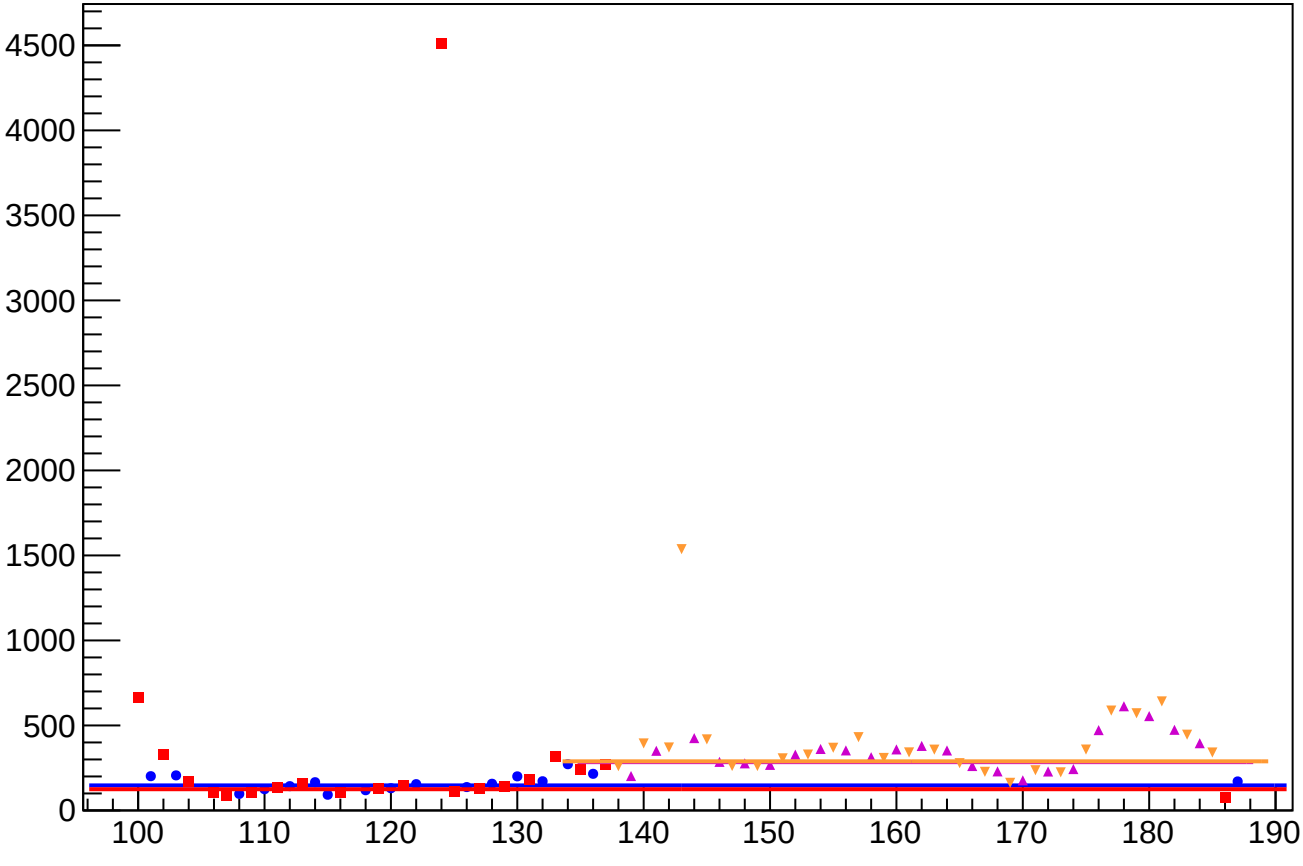
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

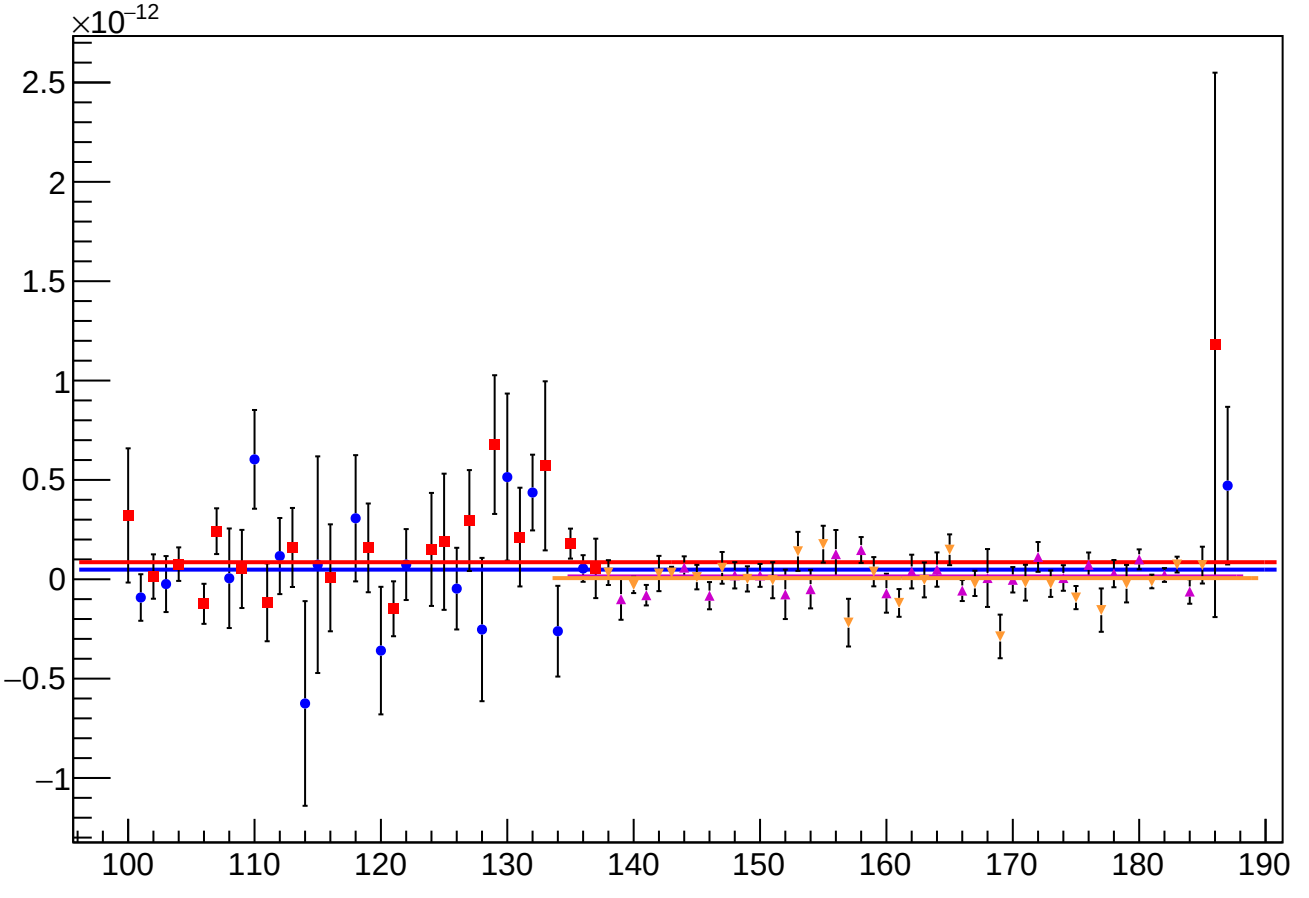
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 134.677+/-0.027 χ^2/NDF: 3169823.8/36

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

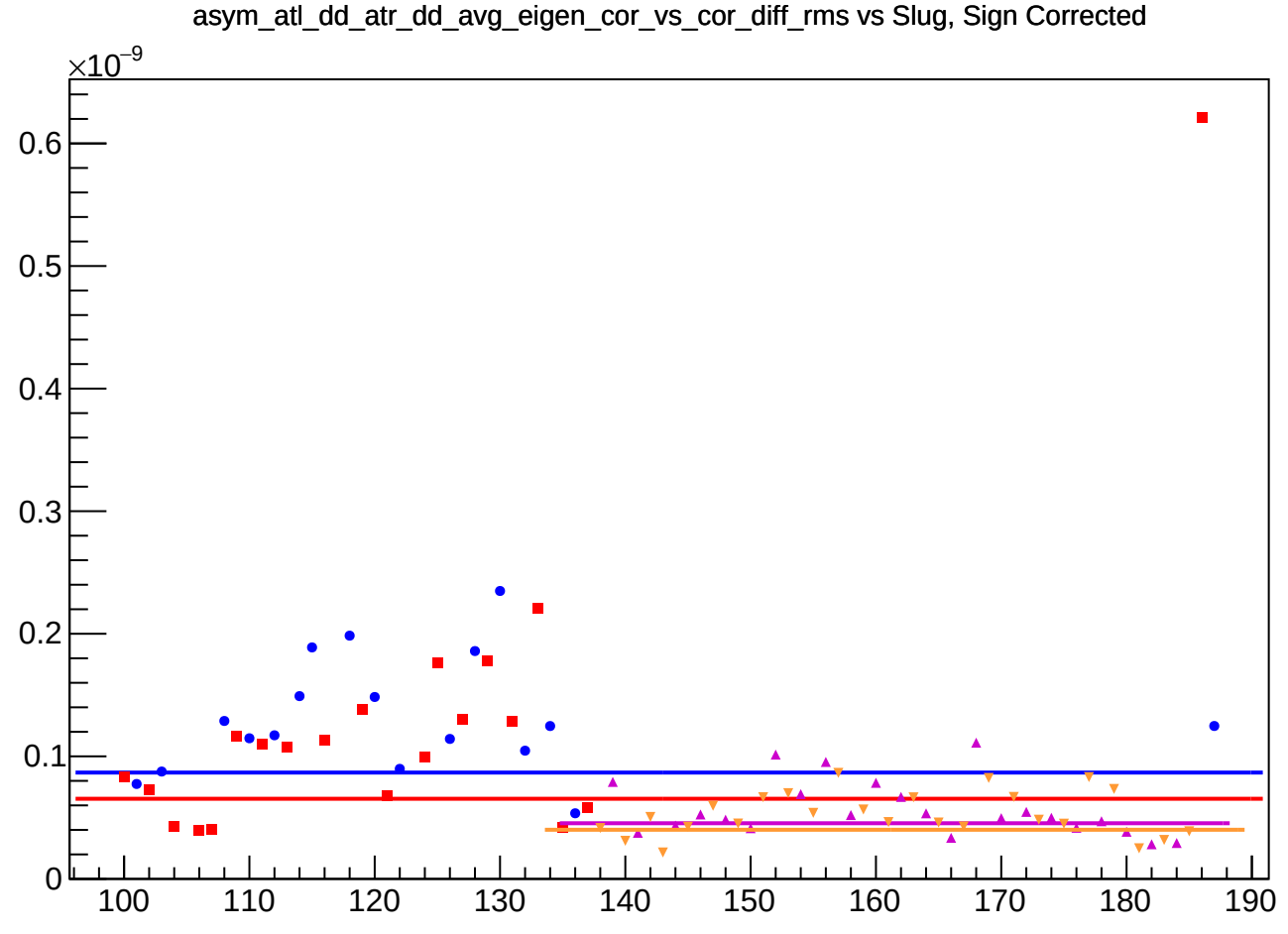
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 39.4/36

In: 0.000+/-0.000 χ^2/NDF:43.9/39

Out: 0.000+/-0.000 χ^2/NDF:57.9/44

All: 0.000+/-0.000 χ^2/NDF: 101.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 1584239.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2488433.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

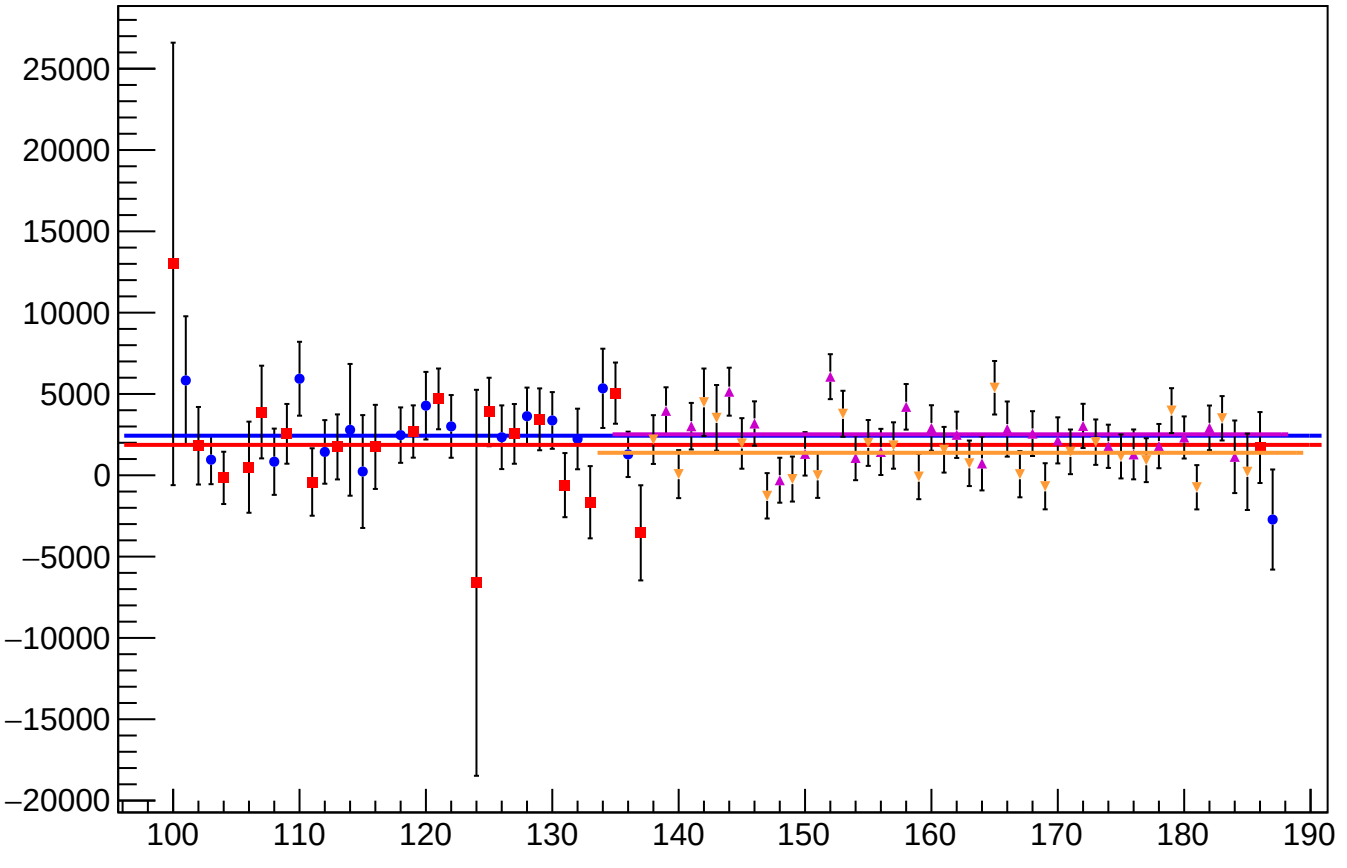
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4379577.9/36

In: 0.000+/-0.000 χ^2/NDF:6081623.0/39

Out: 0.000+/-0.000 χ^2/NDF:7066418.6/44

All: 0.000+/-0.000 χ^2/NDF: 13410706.8/84



Right In: 2433.943+/-489.070 χ^2/NDF: 11.9/16

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1869.627+/-482.472 χ^2/NDF: 19.5/19

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

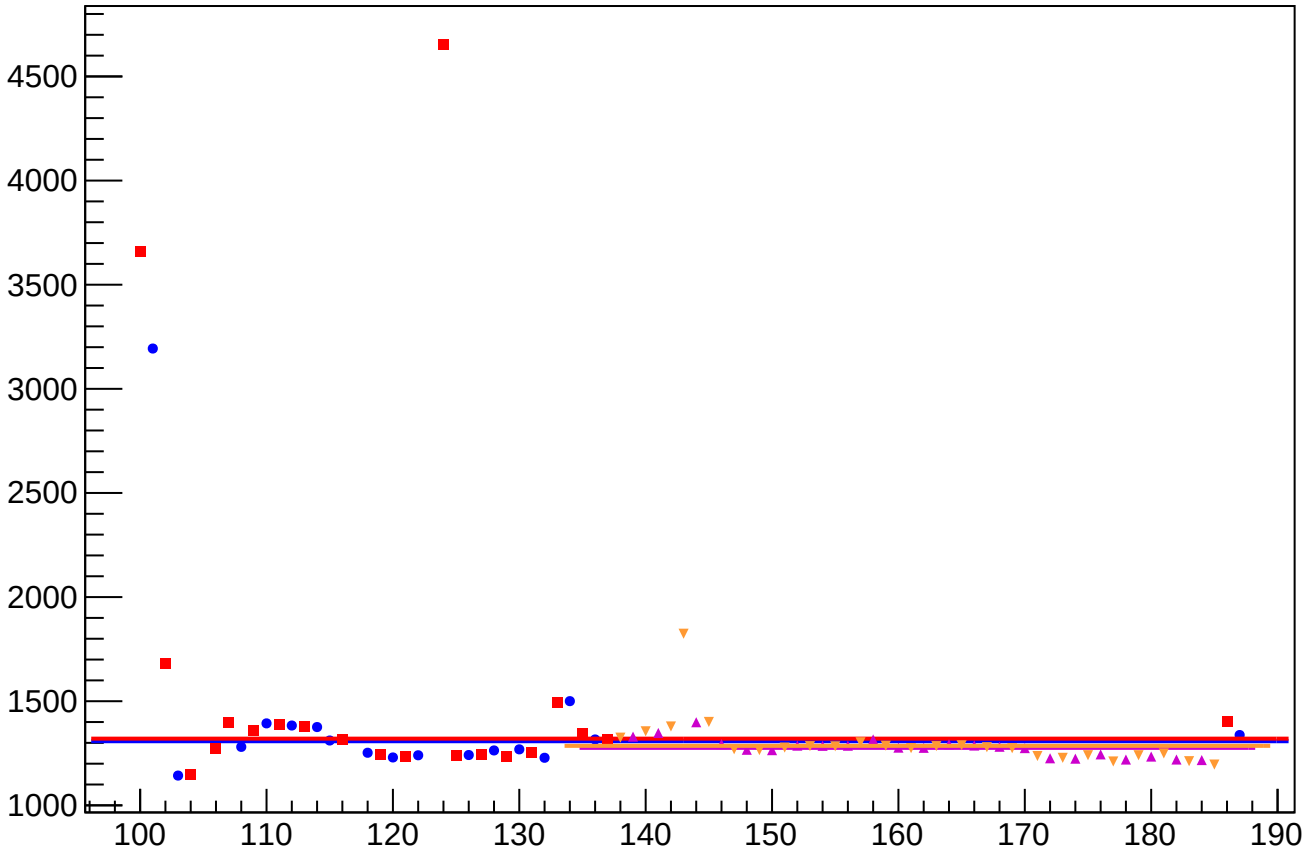
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2147.952+/-343.468 χ^2/NDF: 32.1/36

In: 2496.226+/-254.540 χ^2/NDF:34.4/39

Out: 1514.152+/-250.297 χ^2/NDF:53.2/44

All: 1996.935+/-178.468 χ^2/NDF: 95.2/84



Right In: 1307.840+/-0.346 χ^2/NDF: 516441.2/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1320.260+/-0.340 χ^2/NDF: 329486.0/19

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

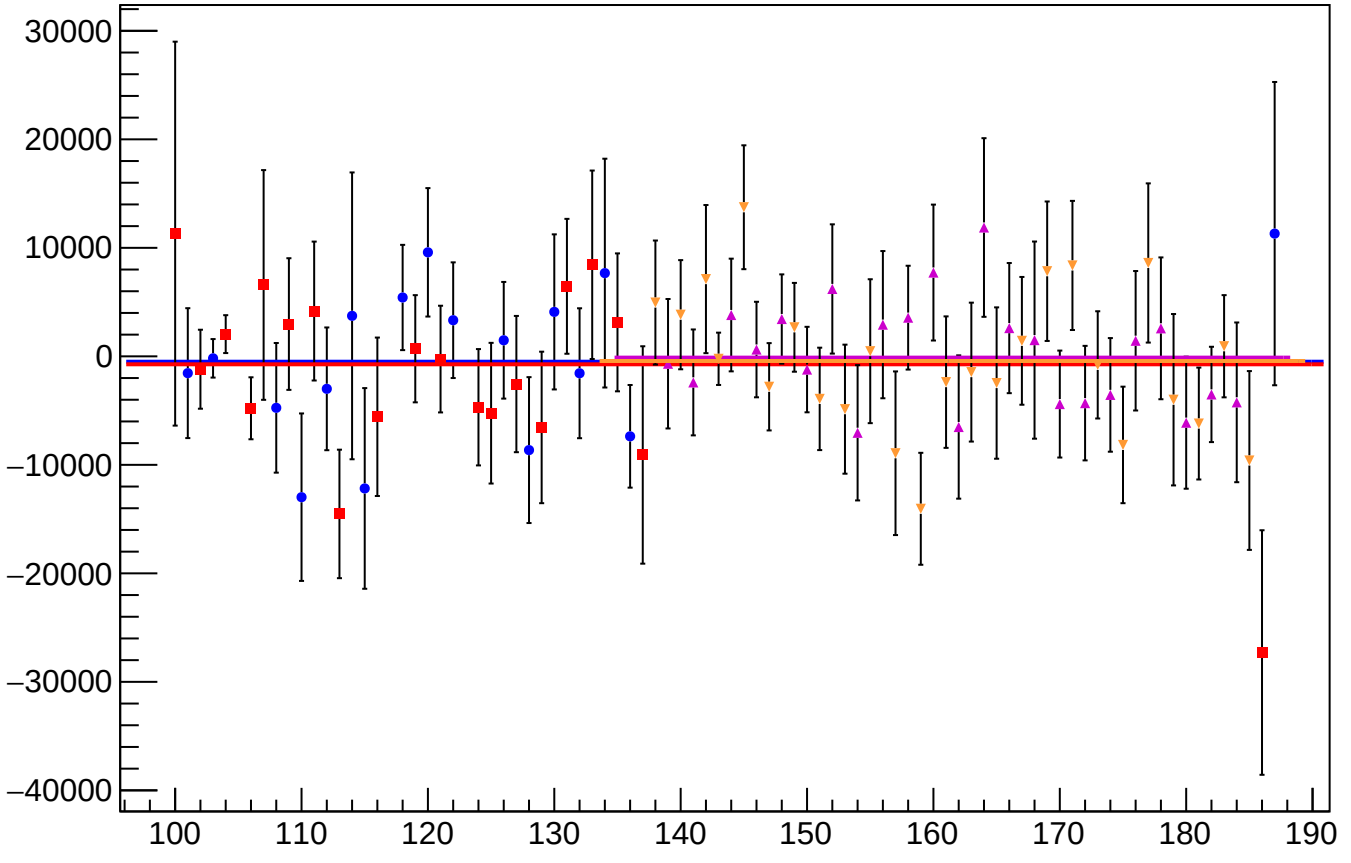
Right: 1314.150+/-0.243 χ^2/NDF: 846582.5/36

In: 1284.581+/-0.180 χ^2/NDF:564043.9/39

Out: 1294.999+/-0.177 χ^2/NDF:528063.7/44

All: 1289.881+/-0.126 χ^2/NDF: 1093811.9/84

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -495.783+/-1188.541 χ^2/NDF: 15.5/16

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -733.118+/-1050.835 χ^2/NDF: 23.3/19

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

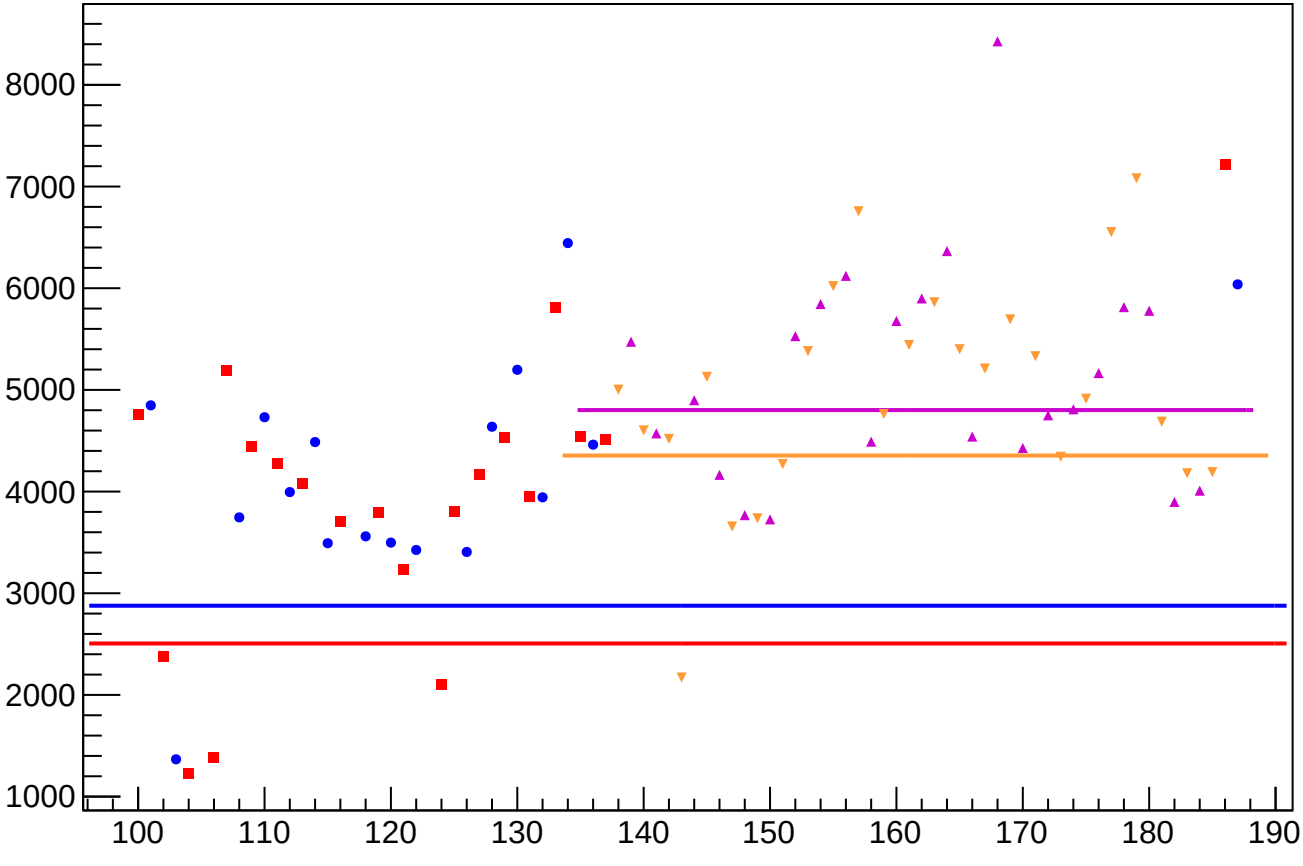
Right: -628.990+/-787.258 χ^2/NDF: 38.8/36

In: -300.488+/-824.487 χ^2/NDF:29.1/39

Out: -578.958+/-738.487 χ^2/NDF:53.2/44

All: -454.999+/-550.089 χ^2/NDF: 82.3/84

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2877.324+/-0.840 χ^2/NDF: 3007852.8/16

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2505.958+/-0.743 χ^2/NDF: 3709242.0/19

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

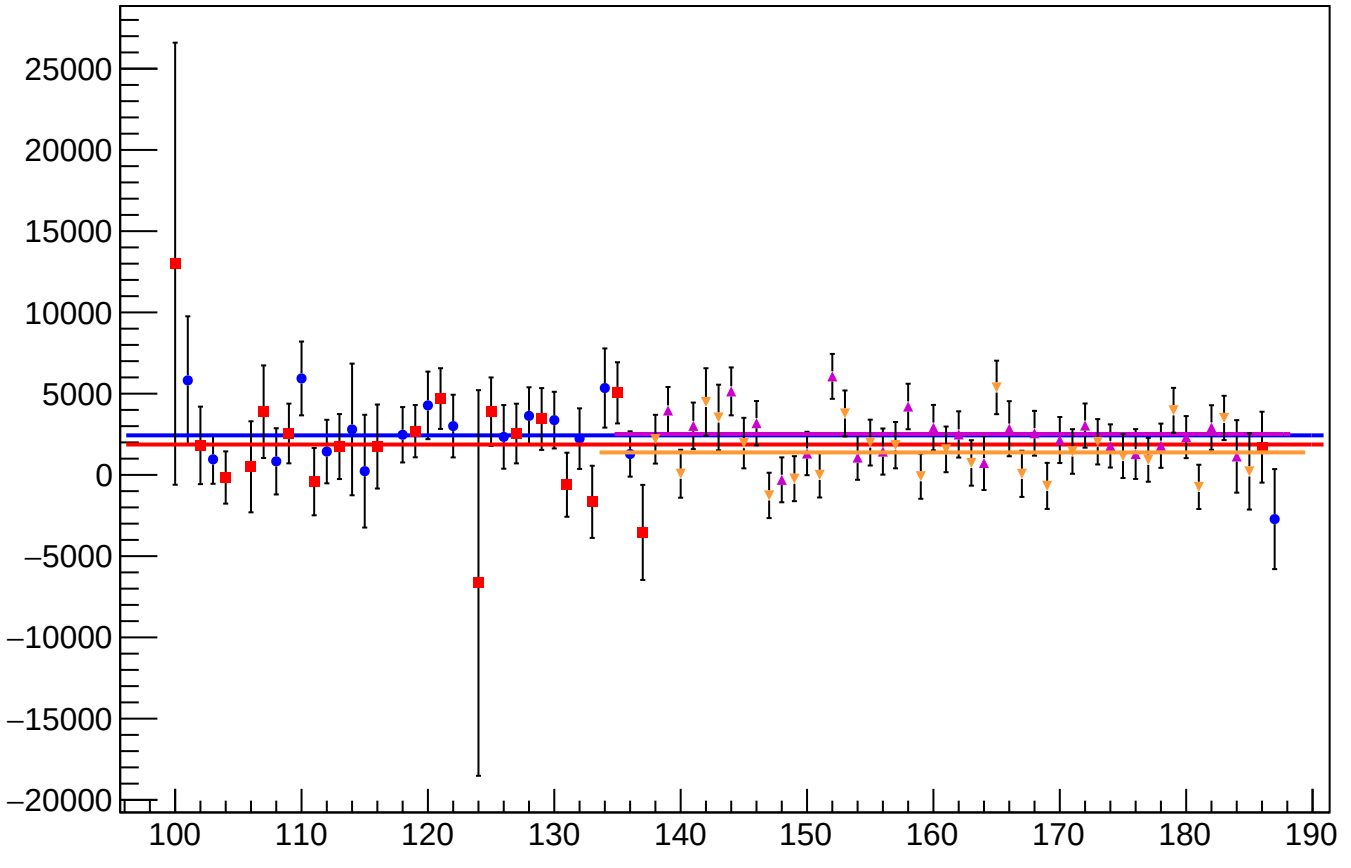
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 2668.891+/-0.557 χ^2/NDF: 6826684.9/36

In: 3875.596+/-0.583 χ^2/NDF:6959378.7/39

Out: 3441.567+/-0.522 χ^2/NDF:9913174.4/44

All: 3634.771+/-0.389 χ^2/NDF: 17180078.8/8



Right In: 2433.677+/-489.071 χ^2/NDF: 11.9/16

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1869.380+/-482.472 χ^2/NDF: 19.6/19

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

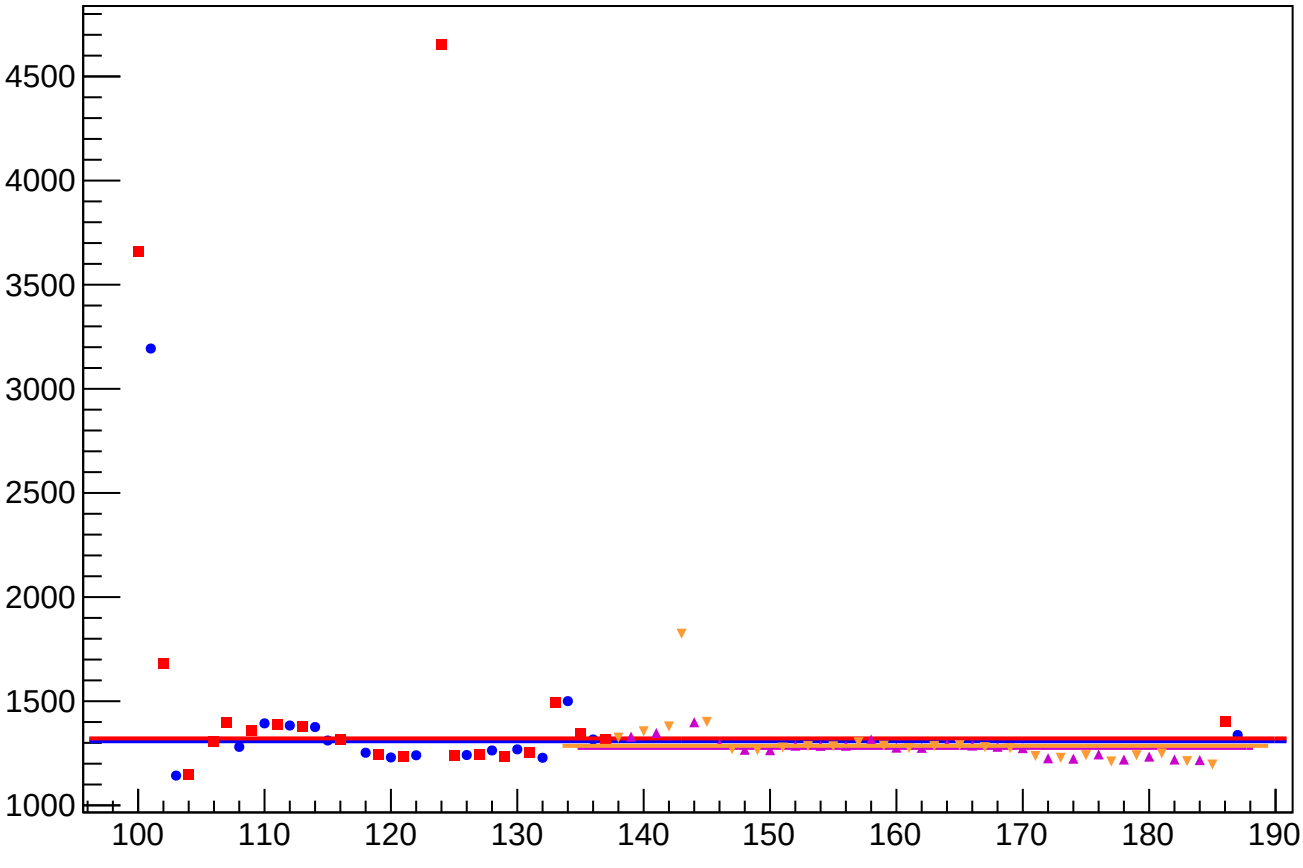
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2147.696+/-343.468 χ^2/NDF: 32.1/36

In: 2496.155+/-254.540 χ^2/NDF:34.4/39

Out: 1514.038+/-250.297 χ^2/NDF:53.2/44

All: 1996.842+/-178.468 χ^2/NDF: 95.2/84



Right In: 1307.839+/-0.346 χ^2/NDF: 516442.7/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1321.340+/-0.341 χ^2/NDF: 328914.0/19

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

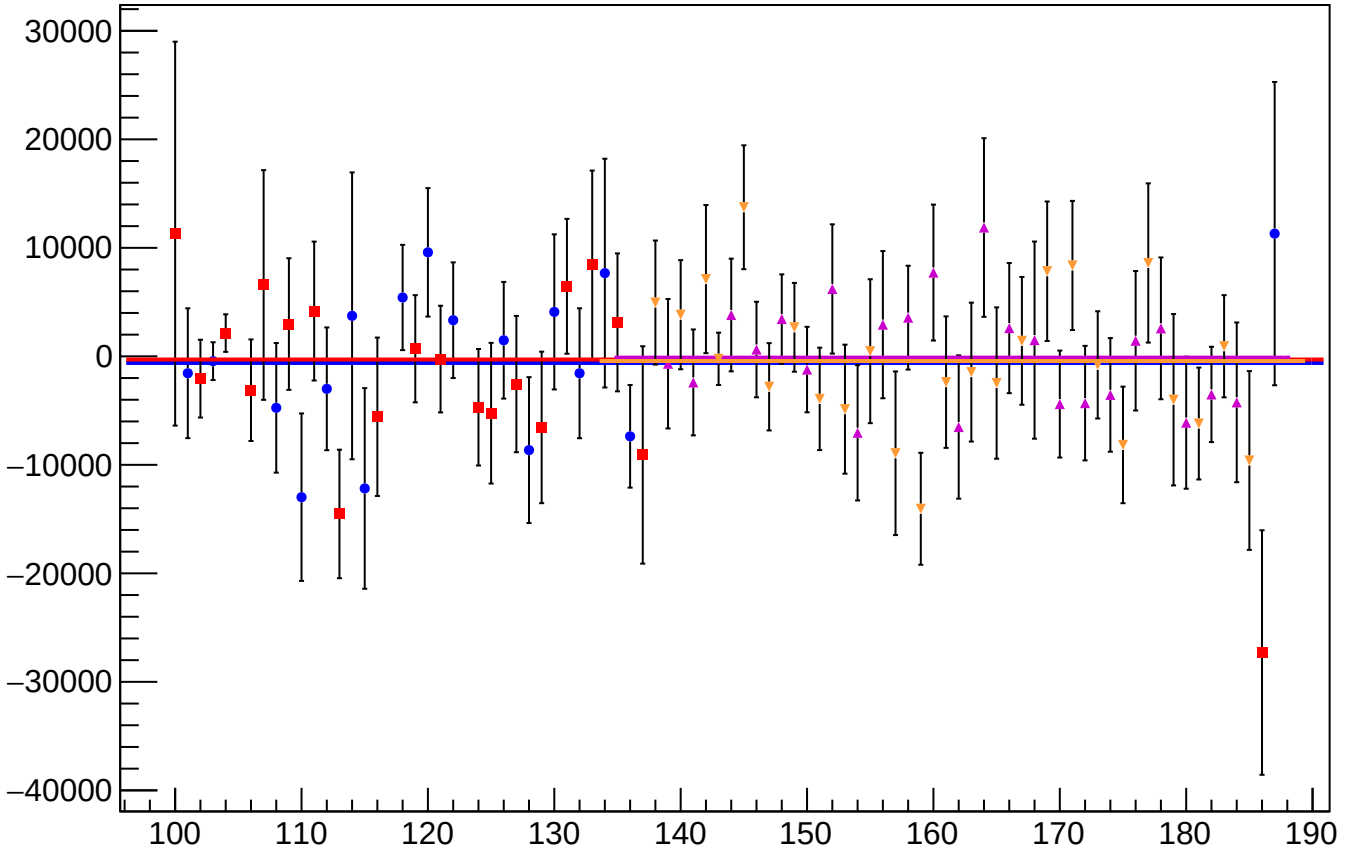
Right: 1314.694+/-0.243 χ^2/NDF: 846130.5/36

In: 1284.581+/-0.180 χ^2/NDF:564045.3/39

Out: 1295.280+/-0.177 χ^2/NDF:527961.7/44

All: 1290.023+/-0.126 χ^2/NDF: 1093804.3/84

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -609.924+/-1178.223 χ^2/NDF: 15.4/16

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -292.587+/-1093.029 χ^2/NDF: 21.7/19

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

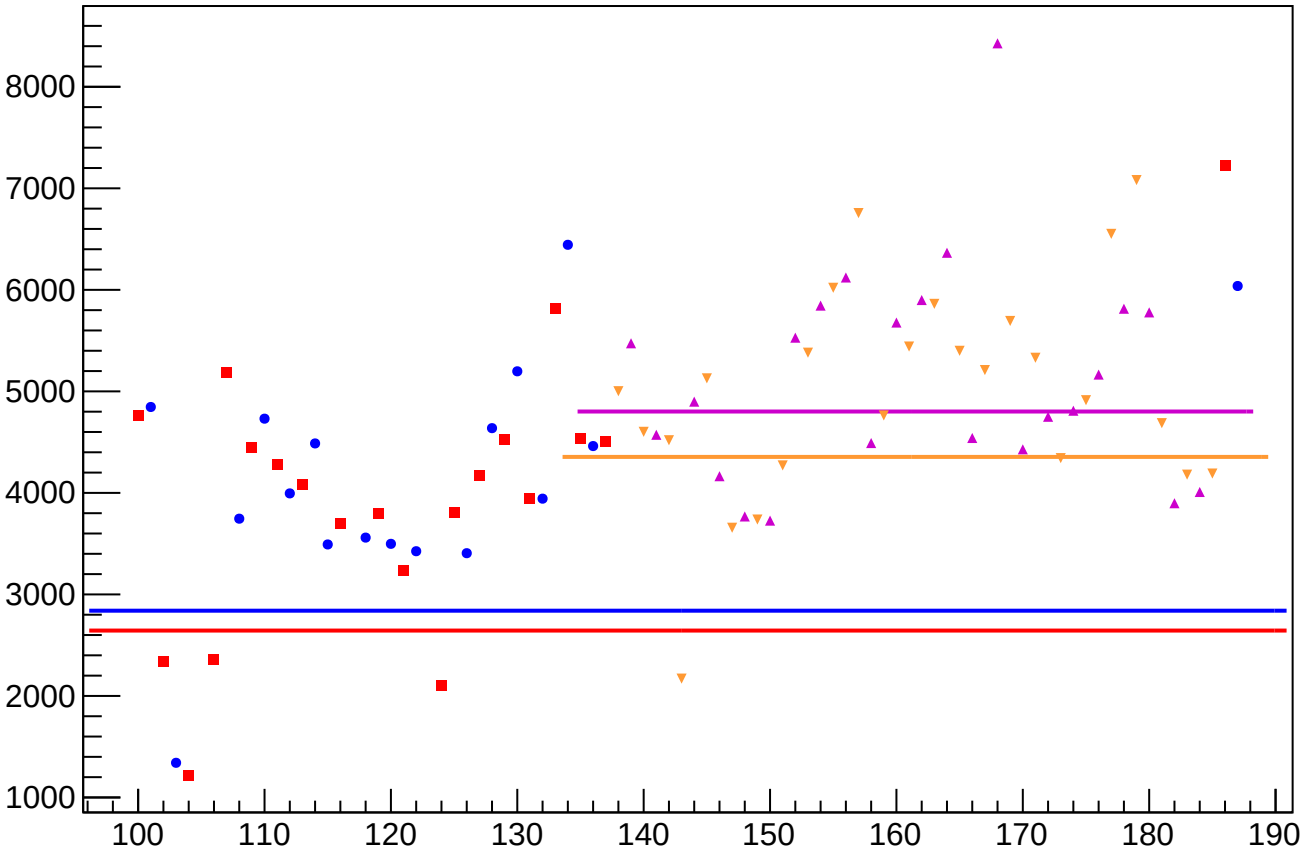
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -439.369+/-801.315 χ^2/NDF: 37.2/36

In: -357.536+/-821.019 χ^2/NDF:29.1/39

Out: -364.061+/-752.693 χ^2/NDF:51.6/44

All: -361.081+/-554.820 χ^2/NDF: 80.7/84



Right In: 2839.677+/-0.833 χ^2/NDF: 3113057.3/16

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2643.999+/-0.773 χ^2/NDF: 3413925.2/19

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

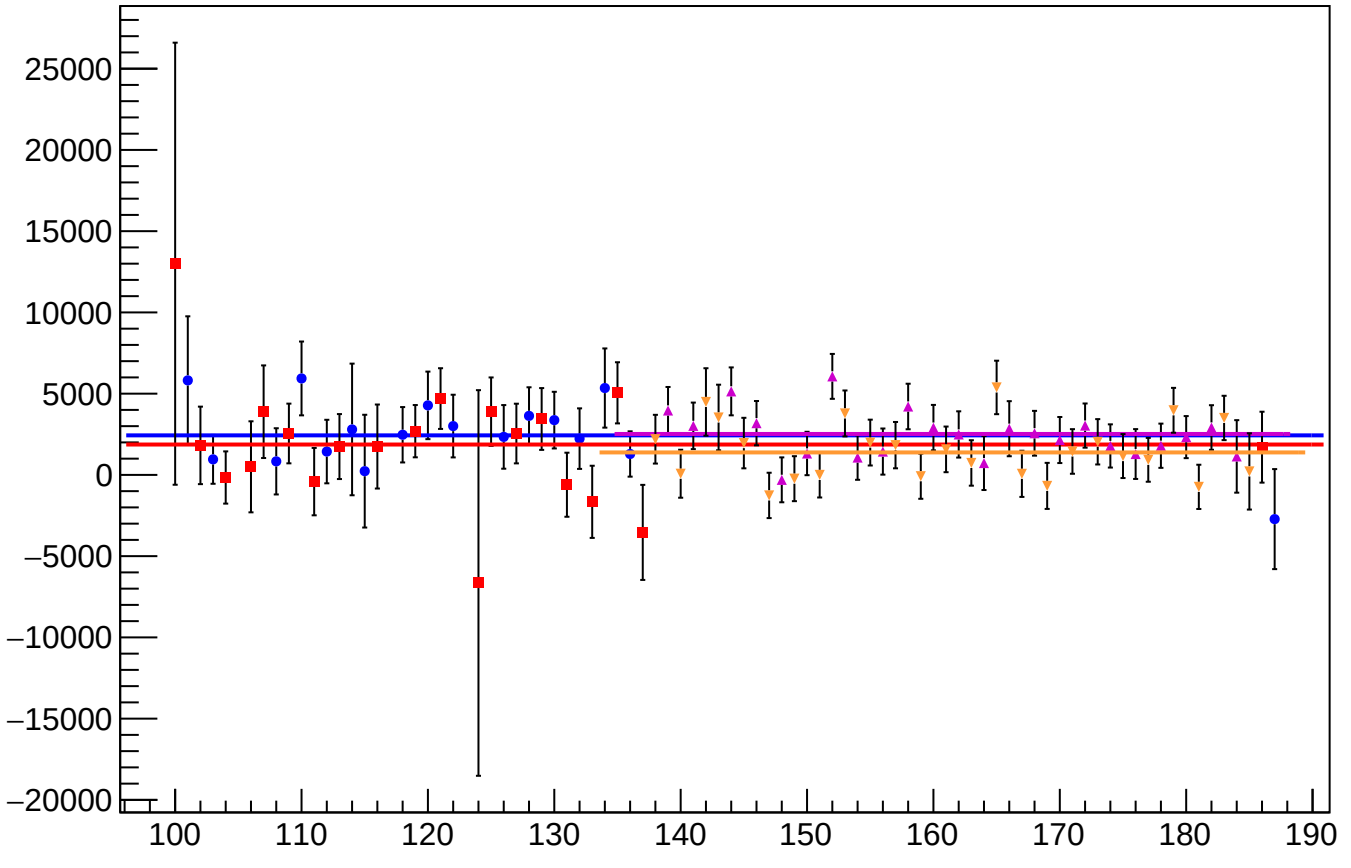
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2734.508+/-0.567 χ^2/NDF: 6556630.9/36

In: 3848.935+/-0.581 χ^2/NDF:7197627.6/39

Out: 3543.366+/-0.532 χ^2/NDF:9060766.0/44

All: 3682.909+/-0.392 χ^2/NDF: 16408919.4/8



Right In: 2433.677+/-489.071 χ^2/NDF: 11.9/16

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1869.380+/-482.472 χ^2/NDF: 19.6/19

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

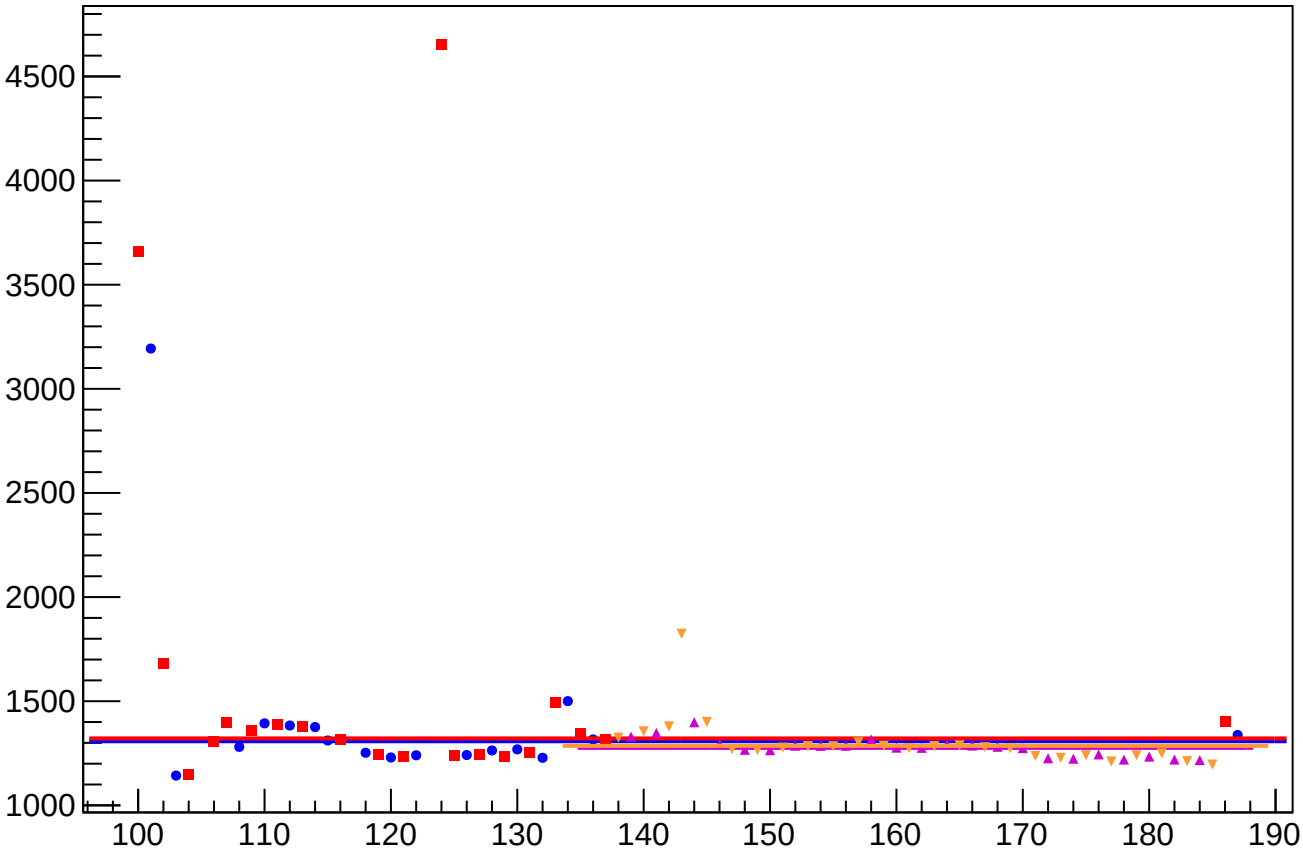
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2147.696+/-343.468 χ^2/NDF: 32.1/36

In: 2496.155+/-254.540 χ^2/NDF:34.4/39

Out: 1514.038+/-250.297 χ^2/NDF:53.2/44

All: 1996.842+/-178.468 χ^2/NDF: 95.2/84



Right In: 1307.839+/-0.346 χ^2/NDF: 516442.7/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1321.340+/-0.341 χ^2/NDF: 328914.0/19

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

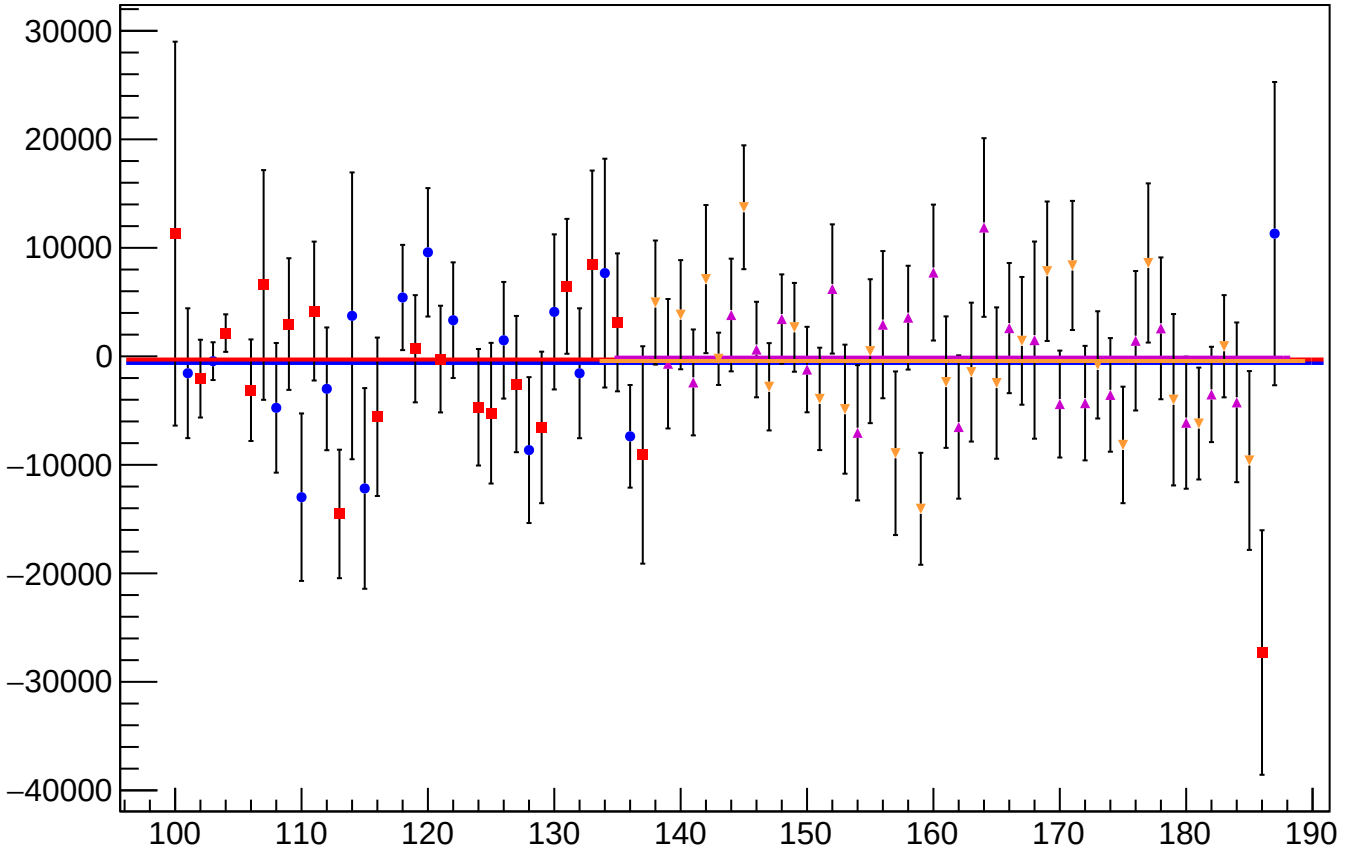
Right: 1314.694+/-0.243 χ^2/NDF: 846130.5/36

In: 1284.581+/-0.180 χ^2/NDF:564045.3/39

Out: 1295.280+/-0.177 χ^2/NDF:527961.7/44

All: 1290.023+/-0.126 χ^2/NDF: 1093804.3/84

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -609.924+/-1178.223 χ^2/NDF: 15.4/16

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -292.587+/-1093.029 χ^2/NDF: 21.7/19

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

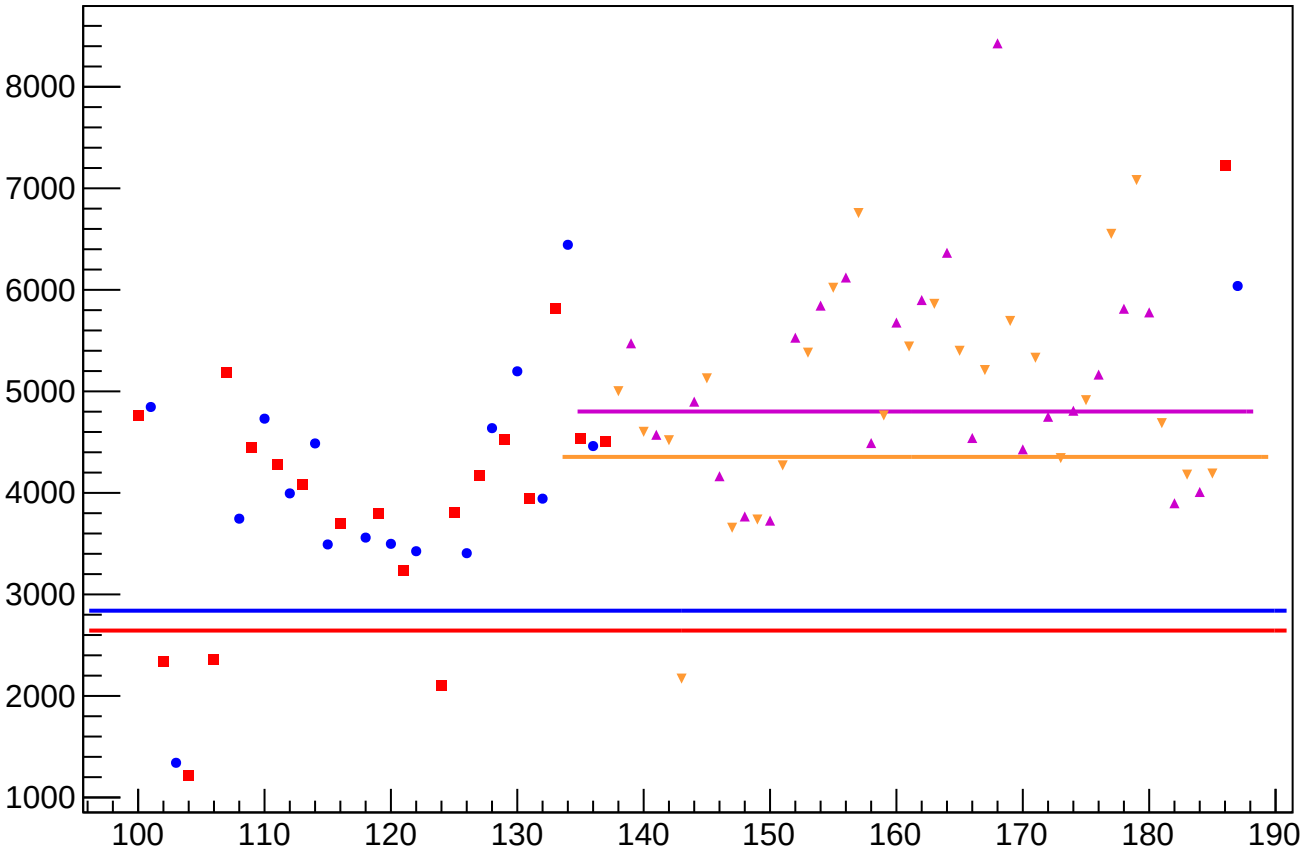
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -439.369+/-801.315 χ^2/NDF: 37.2/36

In: -357.536+/-821.019 χ^2/NDF:29.1/39

Out: -364.061+/-752.693 χ^2/NDF:51.6/44

All: -361.081+/-554.820 χ^2/NDF: 80.7/84



Right In: 2839.677+/-0.833 χ^2/NDF: 3113057.3/16

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2643.999+/-0.773 χ^2/NDF: 3413925.2/19

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

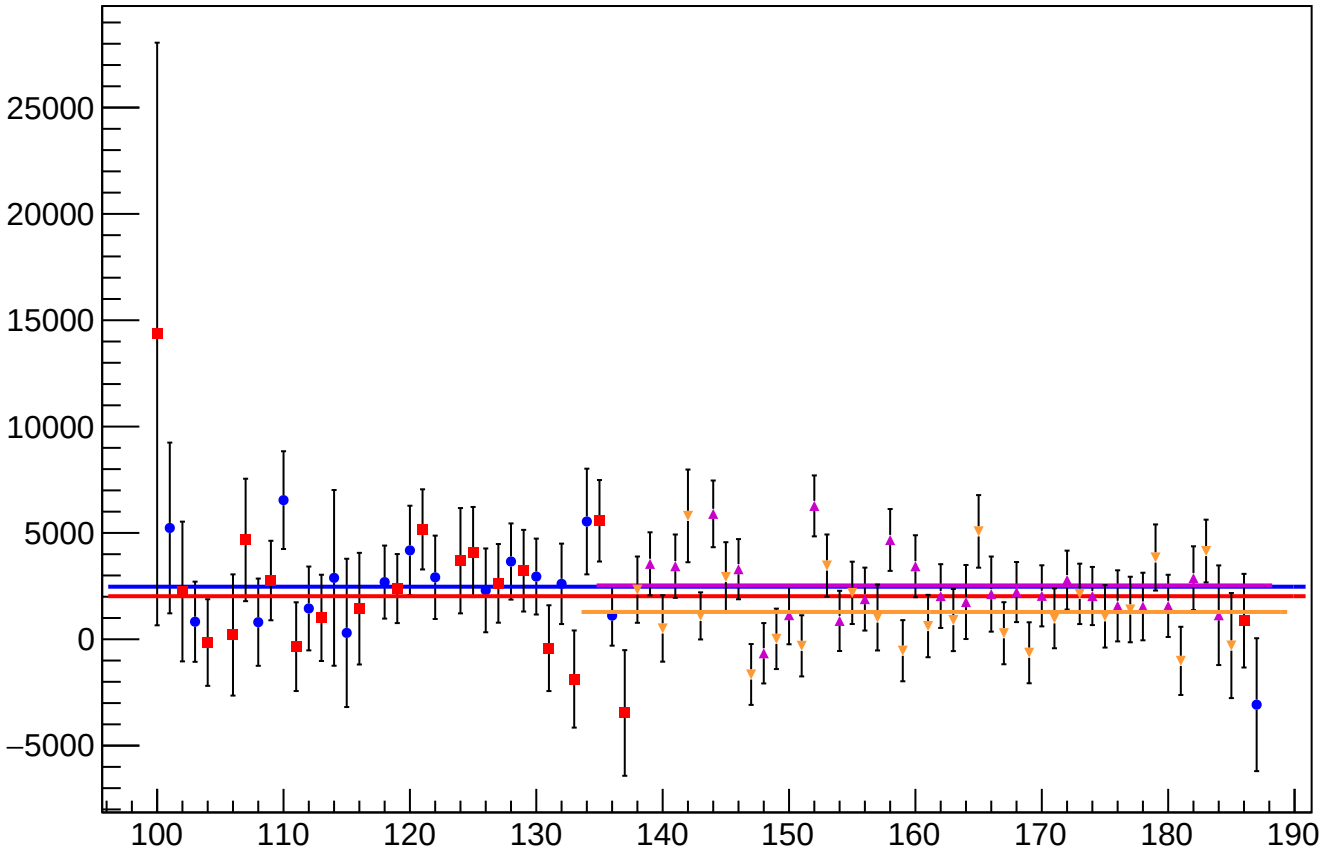
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2734.508+/-0.567 χ^2/NDF: 6556630.9/36

In: 3848.935+/-0.581 χ^2/NDF:7197627.6/39

Out: 3543.366+/-0.532 χ^2/NDF:9060766.0/44

All: 3682.909+/-0.392 χ^2/NDF: 16408919.4/8



Right In: 2471.842+/-504.790 χ^2/NDF: 12.6/16

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 2025.038+/-492.093 χ^2/NDF: 21.2/19

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

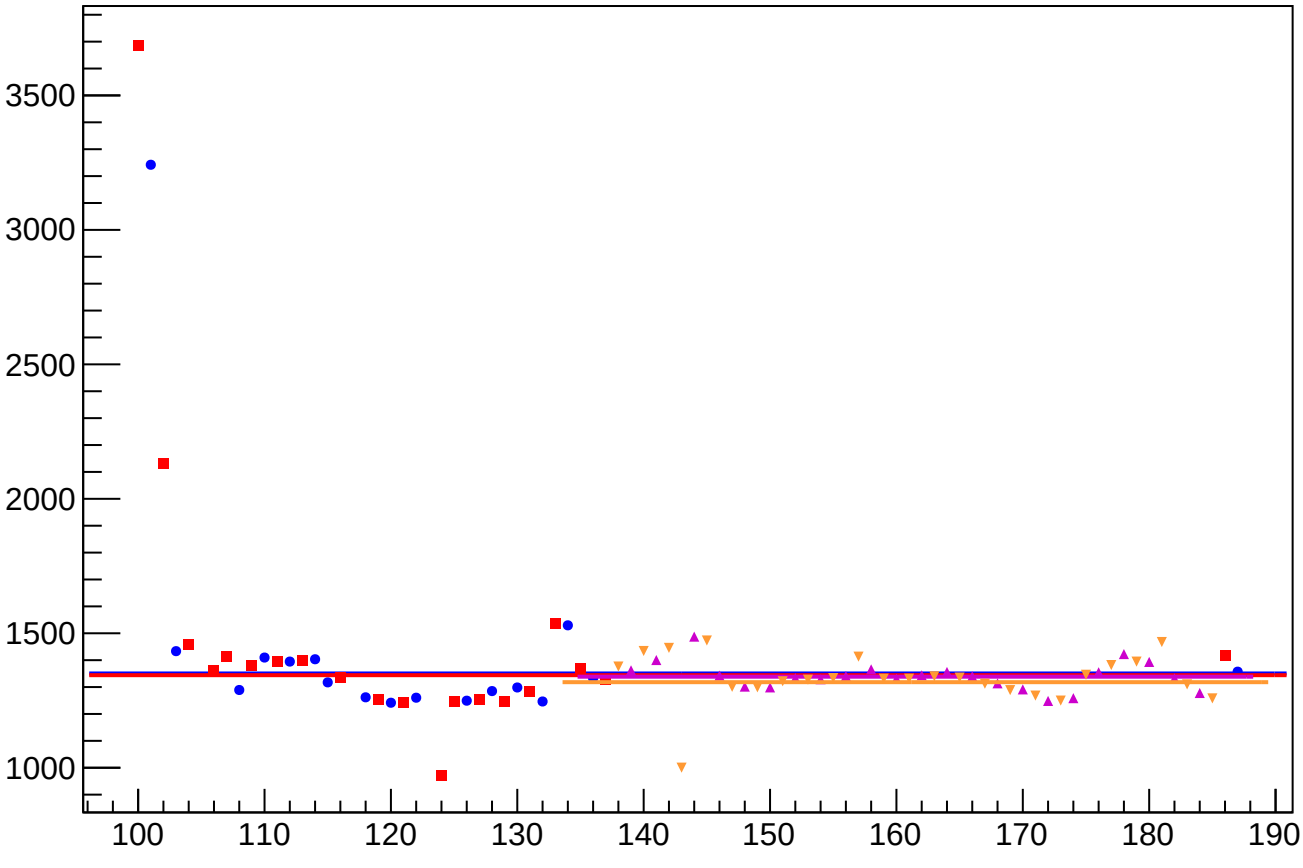
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2242.750+/-352.366 χ^2/NDF: 34.2/36

In: 2515.151+/-265.943 χ^2/NDF:37.6/39

Out: 1485.613+/-256.481 χ^2/NDF:56.3/44

All: 1981.743+/-184.614 χ^2/NDF: 101.6/84



Right In: 1350.549+/-0.357 χ^2/NDF: 494060.5/16

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1344.196+/-0.348 χ^2/NDF: 274416.5/19

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

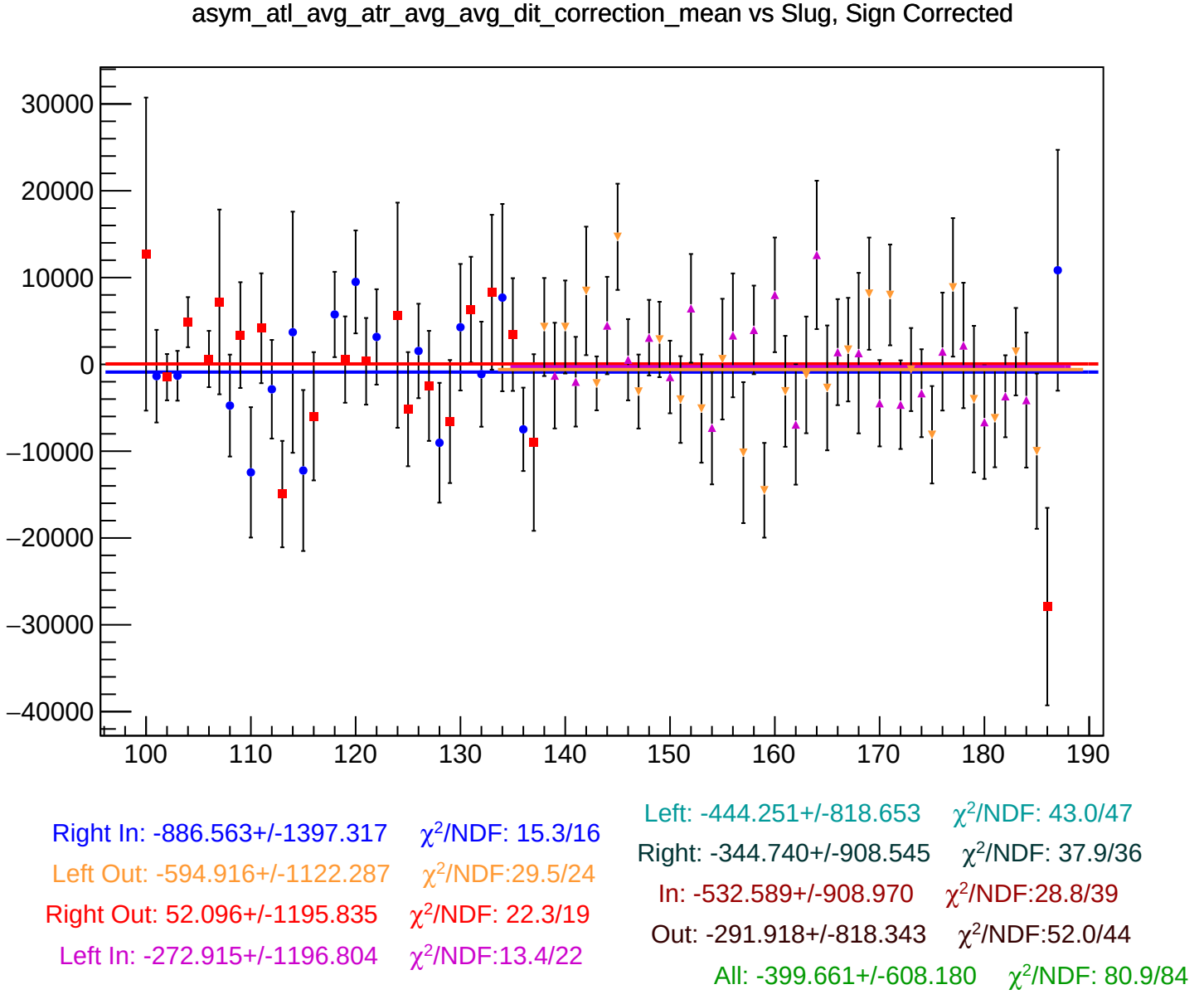
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

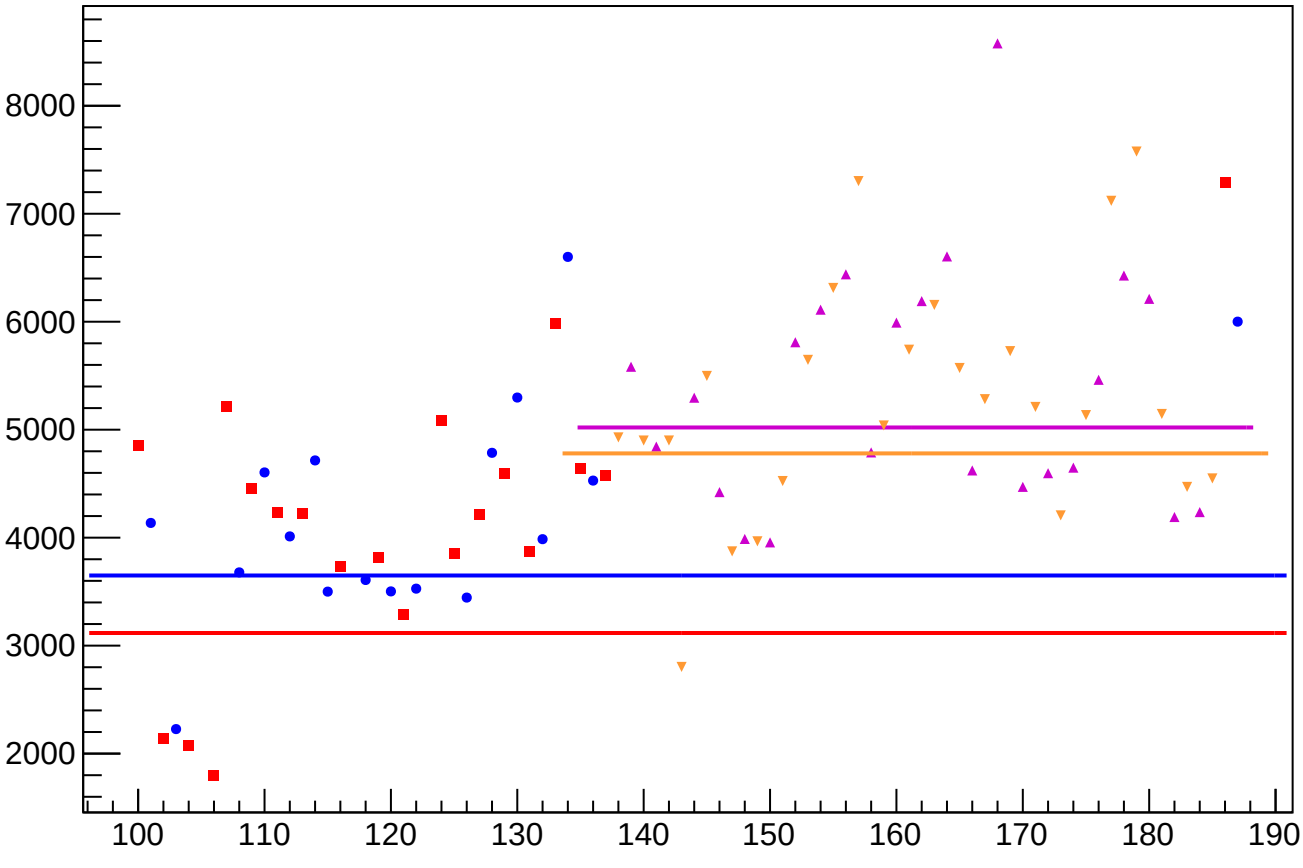
Right: 1347.289+/-0.249 χ^2/NDF: 768639.5/36

In: 1341.918+/-0.188 χ^2/NDF:549118.3/39

Out: 1325.249+/-0.181 χ^2/NDF:527040.9/44

All: 1333.281+/-0.131 χ^2/NDF: 1080230.6/84


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -886.563+/-1397.317 χ²/NDF: 15.3/16
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: 52.096+/-1195.835 χ²/NDF: 22.3/19
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -344.740+/-908.545 χ²/NDF: 37.9/36
In: -532.589+/-908.970 χ²/NDF:28.8/39
Out: -291.918+/-818.343 χ²/NDF:52.0/44
All: -399.661+/-608.180 χ²/NDF: 80.9/84



Right In: 3649.603+/-0.988 χ^2/NDF: 1002921.4/16

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3117.024+/-0.846 χ^2/NDF: 2110227.1/19

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

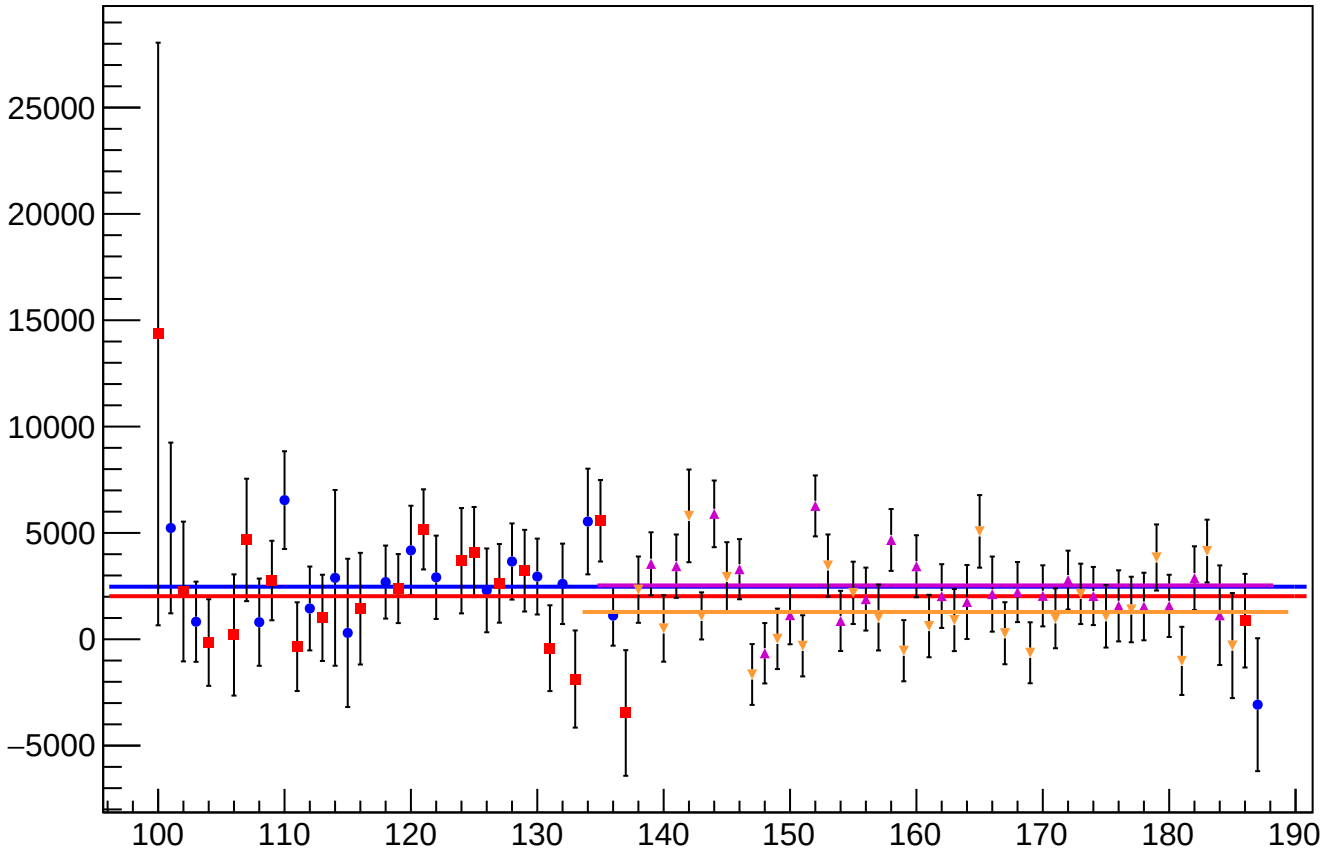
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3342.181+/-0.642 χ^2/NDF: 3280858.0/36

In: 4440.420+/-0.643 χ^2/NDF:3338568.4/39

Out: 4001.432+/-0.579 χ^2/NDF:6173922.1/44

All: 4197.957+/-0.430 χ^2/NDF: 9770140.5/84



Right In: 2471.843+/-504.790 χ^2/NDF: 12.6/16

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 2025.043+/-492.093 χ^2/NDF: 21.2/19

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

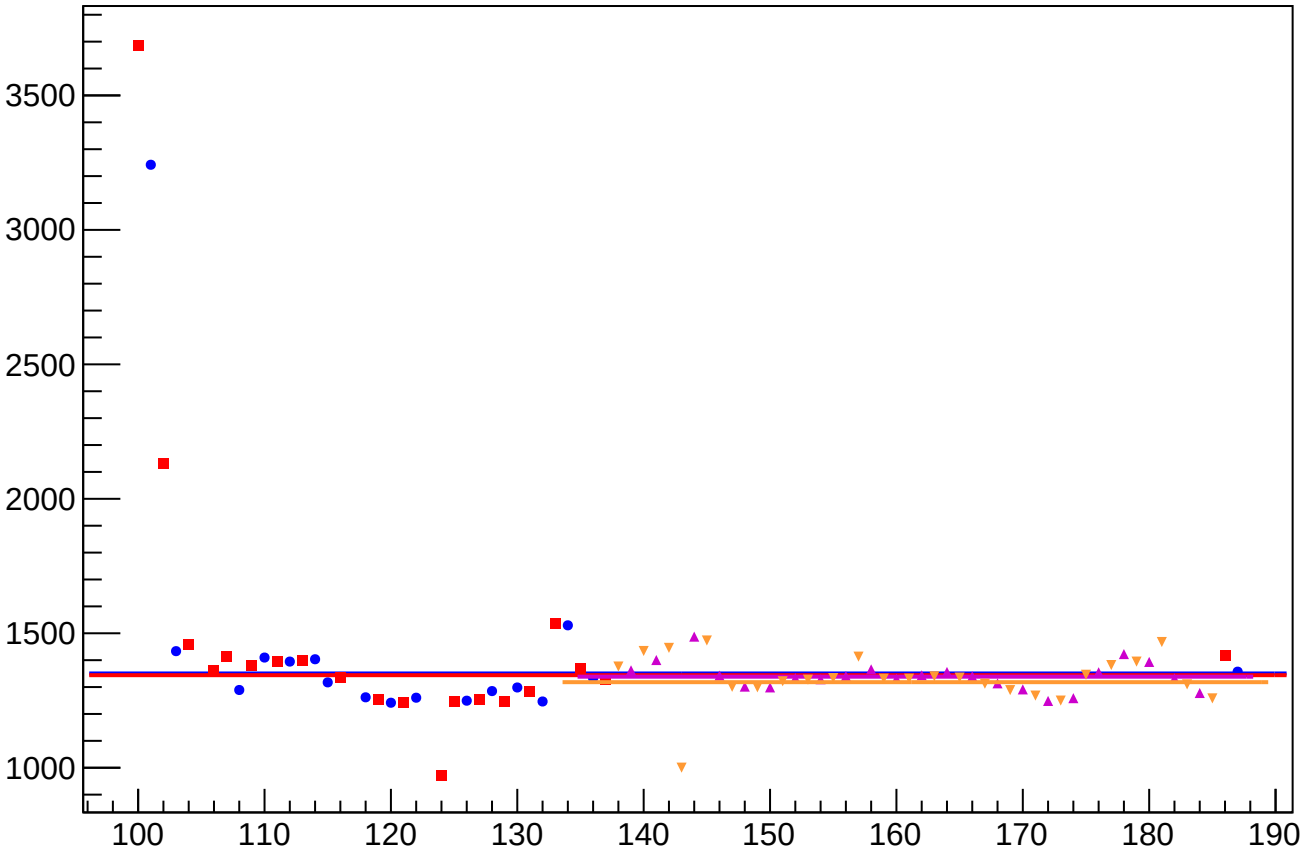
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2242.753+/-352.365 χ^2/NDF: 34.2/36

In: 2515.152+/-265.943 χ^2/NDF:37.6/39

Out: 1485.611+/-256.482 χ^2/NDF:56.3/44

All: 1981.742+/-184.614 χ^2/NDF: 101.6/84



Right In: 1350.548+/-0.357 χ^2/NDF: 494060.6/16

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1344.195+/-0.348 χ^2/NDF: 274415.5/19

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

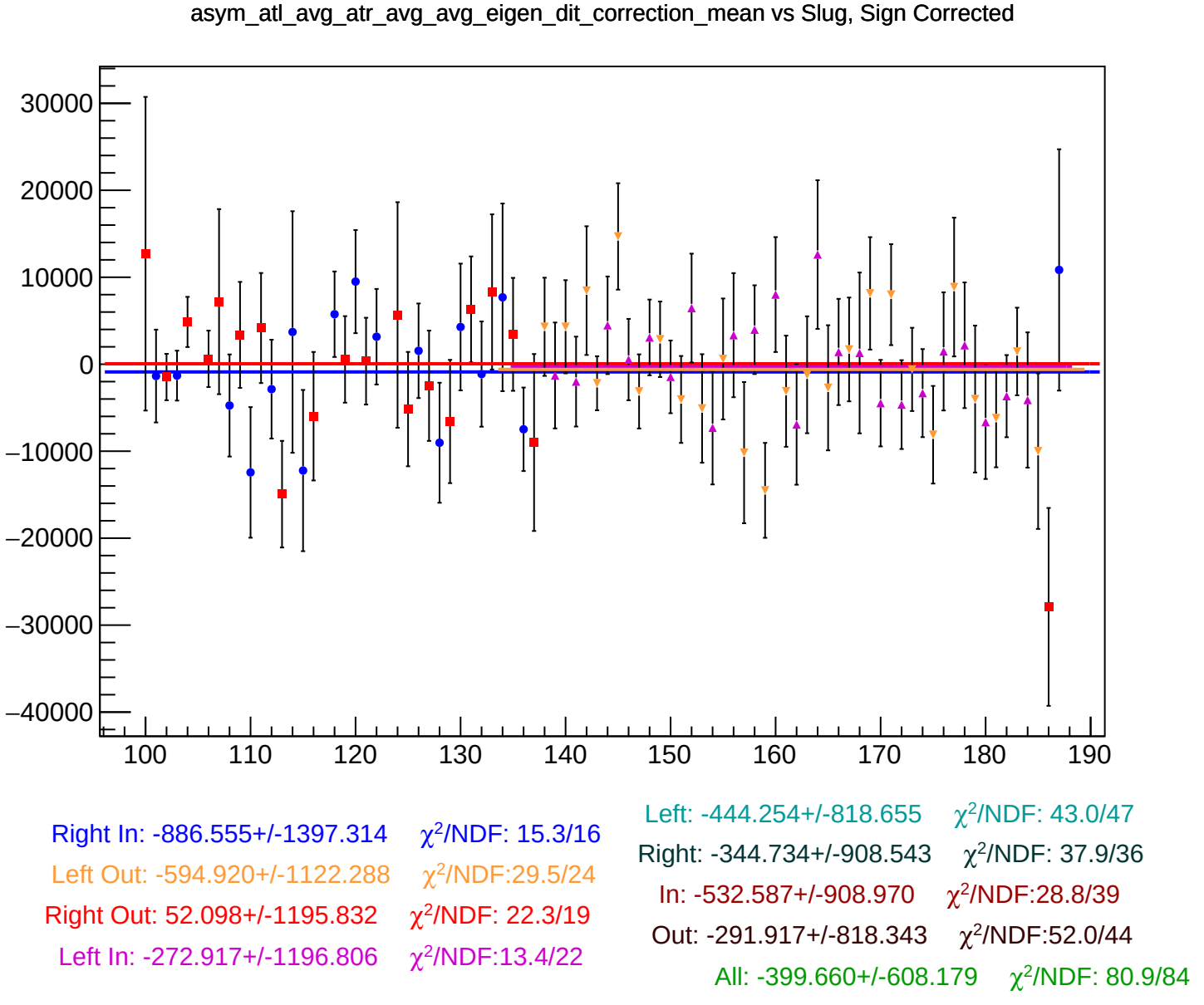
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

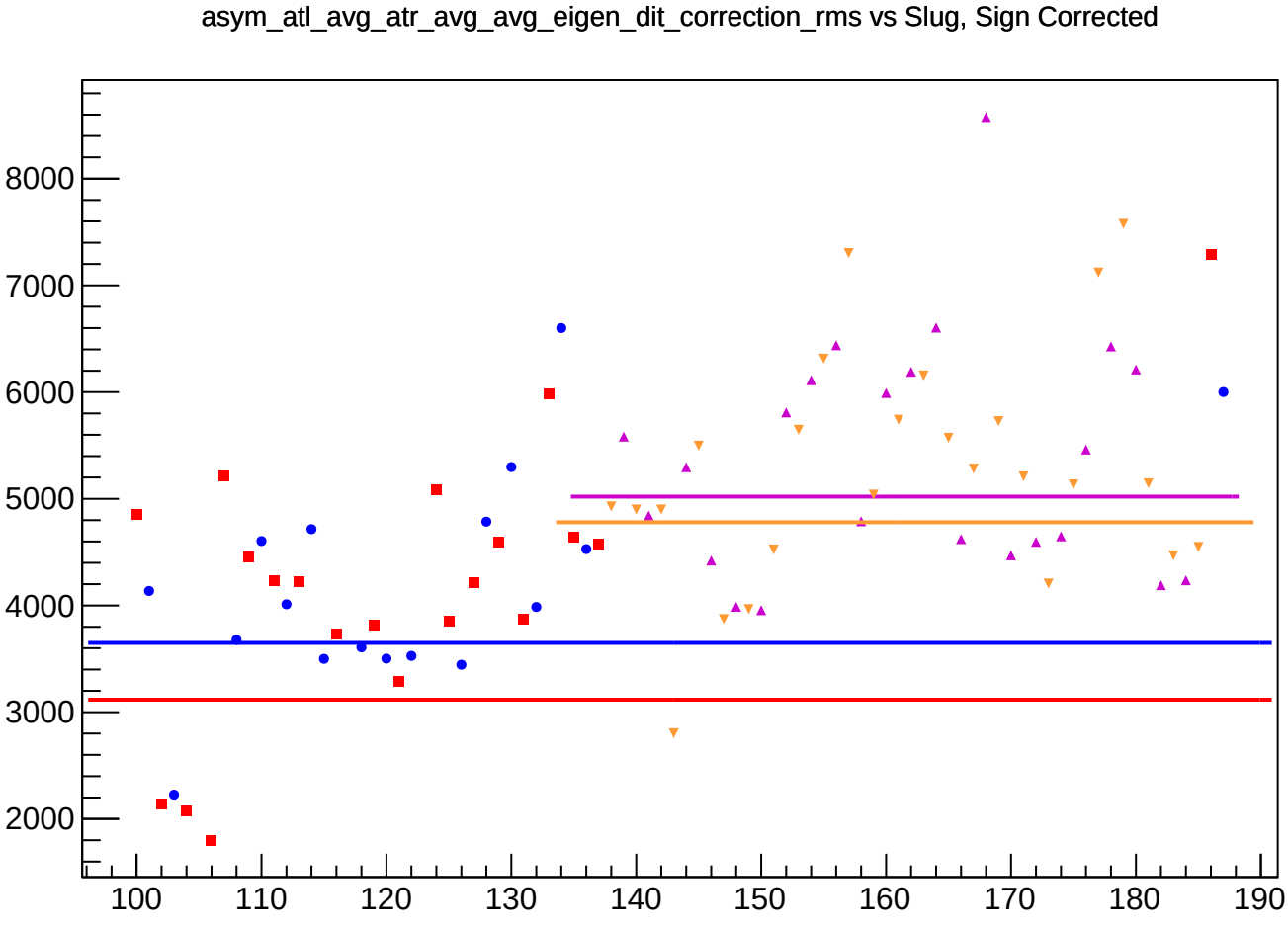
Right: 1347.289+/-0.249 χ^2/NDF: 768638.6/36

In: 1341.919+/-0.188 χ^2/NDF:549120.7/39

Out: 1325.250+/-0.181 χ^2/NDF:527041.8/44

All: 1333.281+/-0.131 χ^2/NDF: 1080234.0/84


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -886.555+/-1397.314 χ²/NDF: 15.3/16
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: 52.098+/-1195.832 χ²/NDF: 22.3/19
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -344.734+/-908.543 χ²/NDF: 37.9/36
In: -532.587+/-908.970 χ²/NDF:28.8/39
Out: -291.917+/-818.343 χ²/NDF:52.0/44
All: -399.660+/-608.179 χ²/NDF: 80.9/84



Right In: 3649.594+/-0.988 χ^2/NDF: 1002924.3/16

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3117.015+/-0.846 χ^2/NDF: 2110230.8/19

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

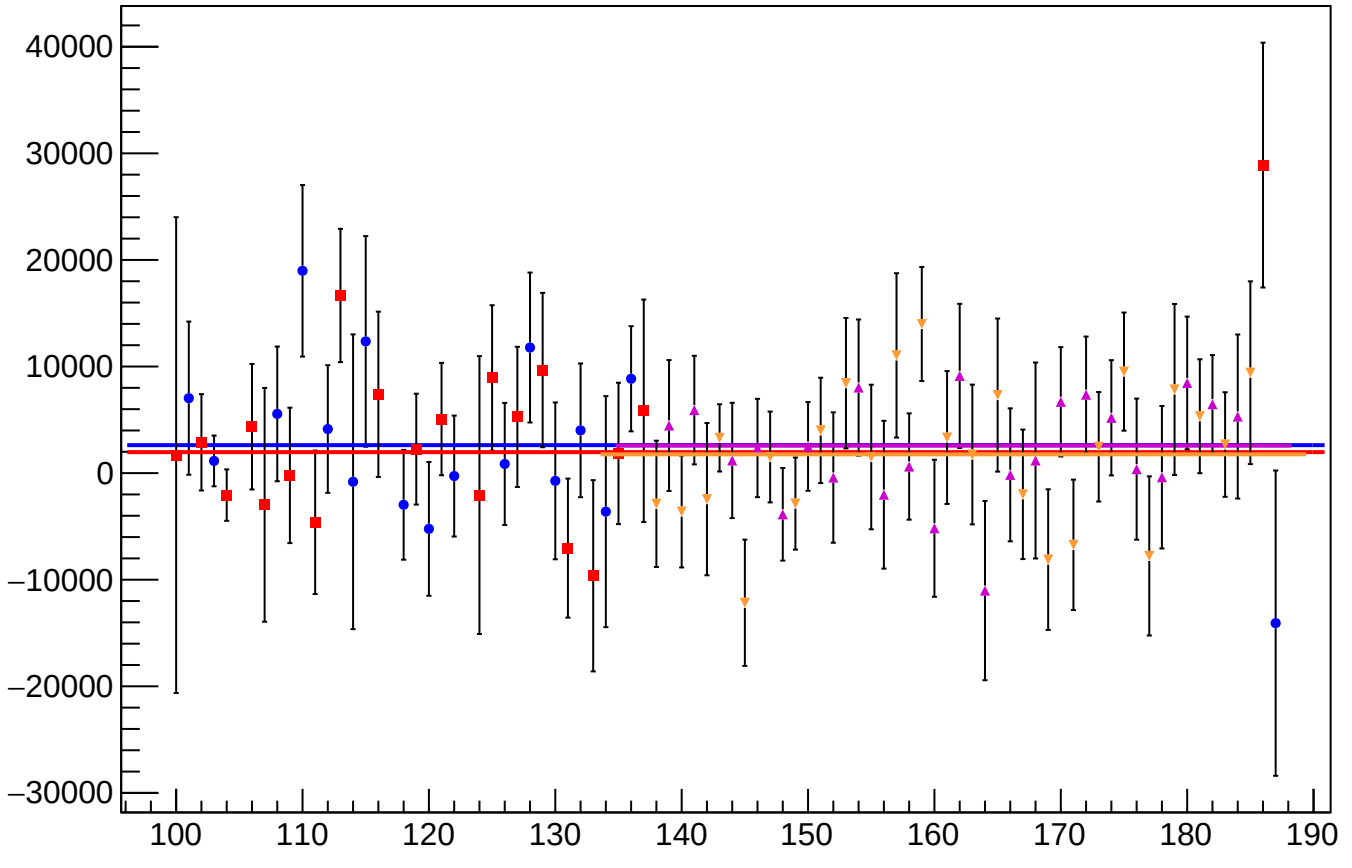
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3342.173+/-0.642 χ^2/NDF: 3280865.2/36

In: 4440.418+/-0.643 χ^2/NDF:3338603.2/39

Out: 4001.428+/-0.579 χ^2/NDF:6173970.4/44

All: 4197.954+/-0.430 χ^2/NDF: 9770225.5/84



Right In: 2623.682+/-1382.945 χ^2/NDF: 14.5/16

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 1967.588+/-1328.049 χ^2/NDF: 22.4/19

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

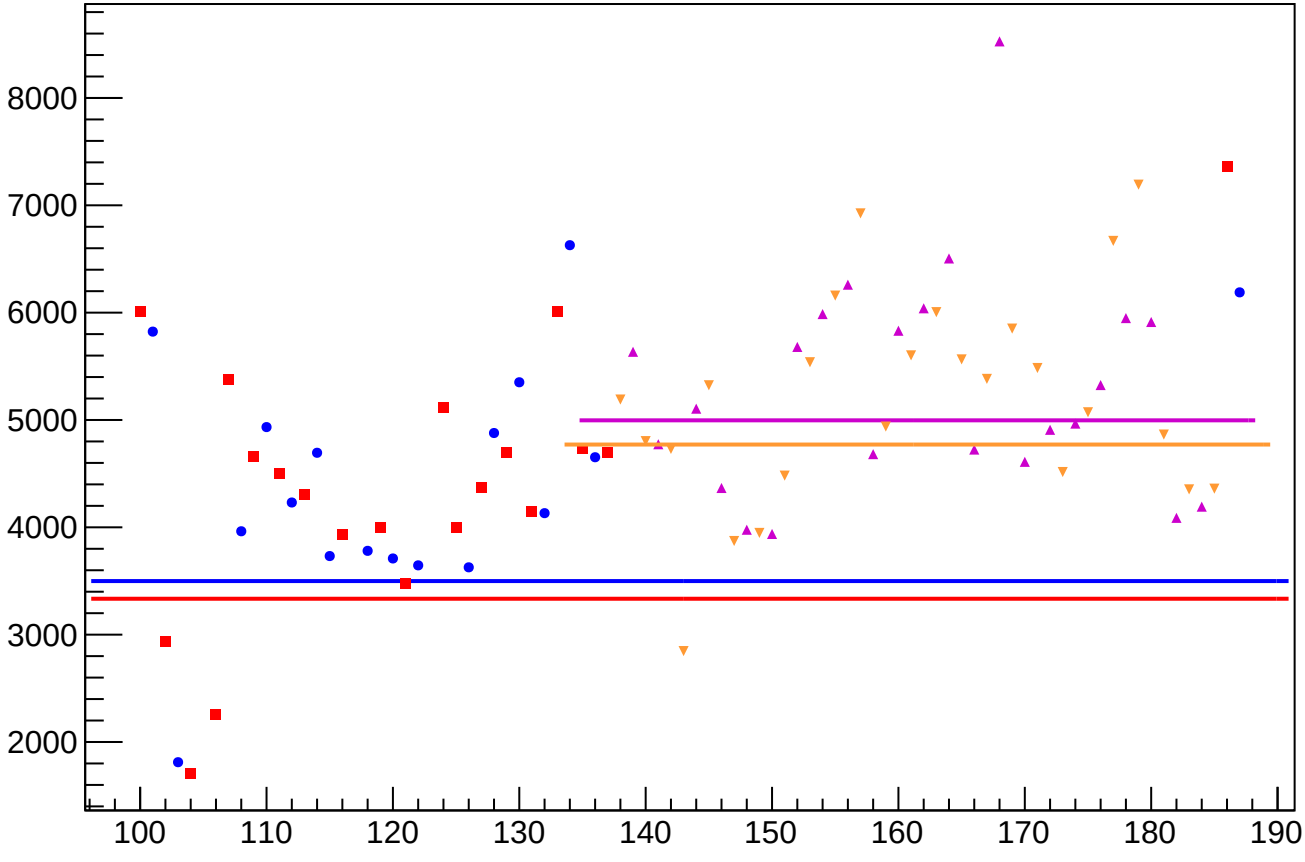
Right: 2282.355+/-957.892 χ^2/NDF: 37.0/36

In: 2598.533+/-901.349 χ^2/NDF:27.8/39

Out: 1846.925+/-854.492 χ^2/NDF:50.1/44

All: 2202.686+/-620.120 χ^2/NDF: 78.2/84

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3499.219+/-0.978 χ^2/NDF: 1915187.3/16

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 3334.579+/-0.926 χ^2/NDF: 2124689.4/19

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

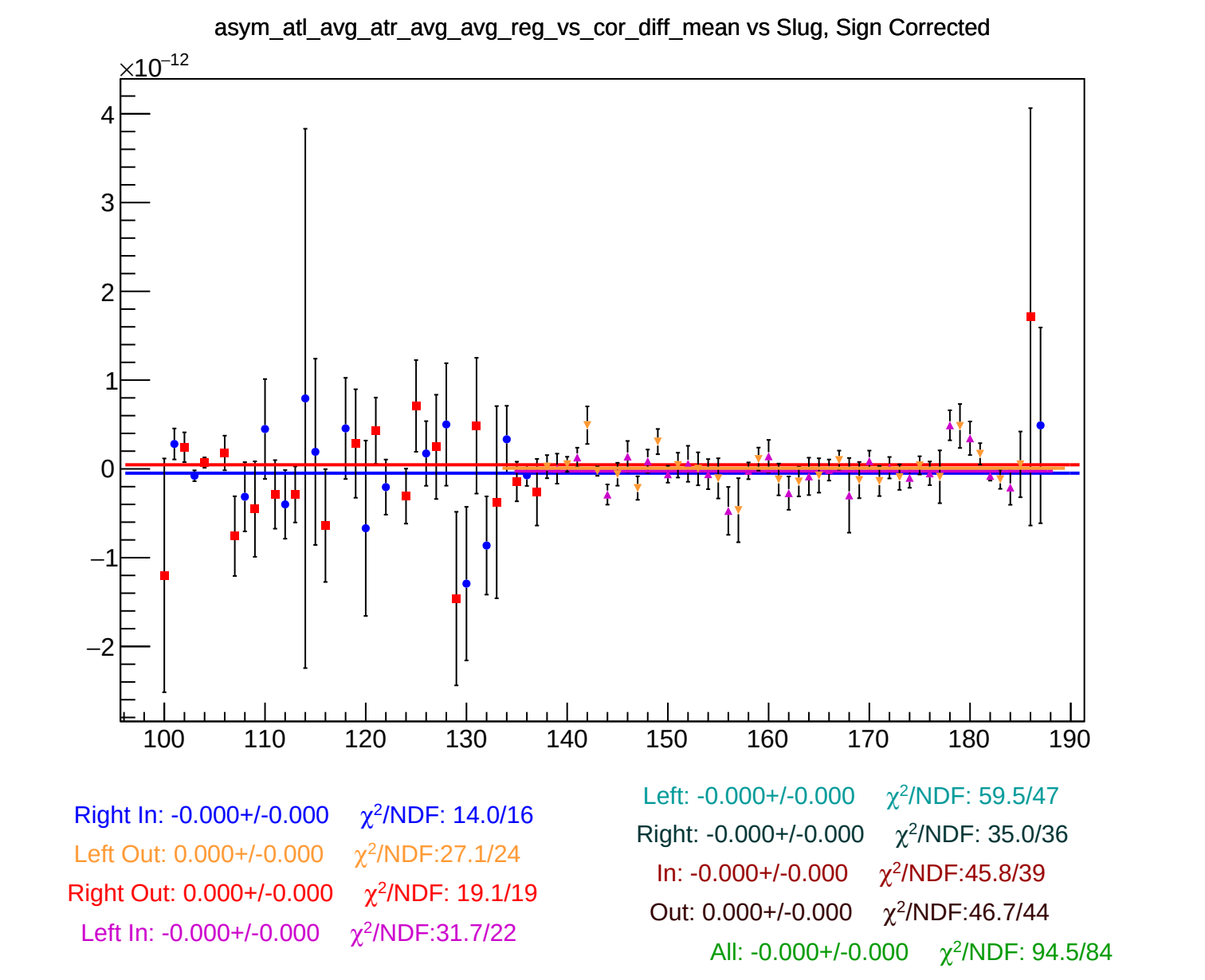
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

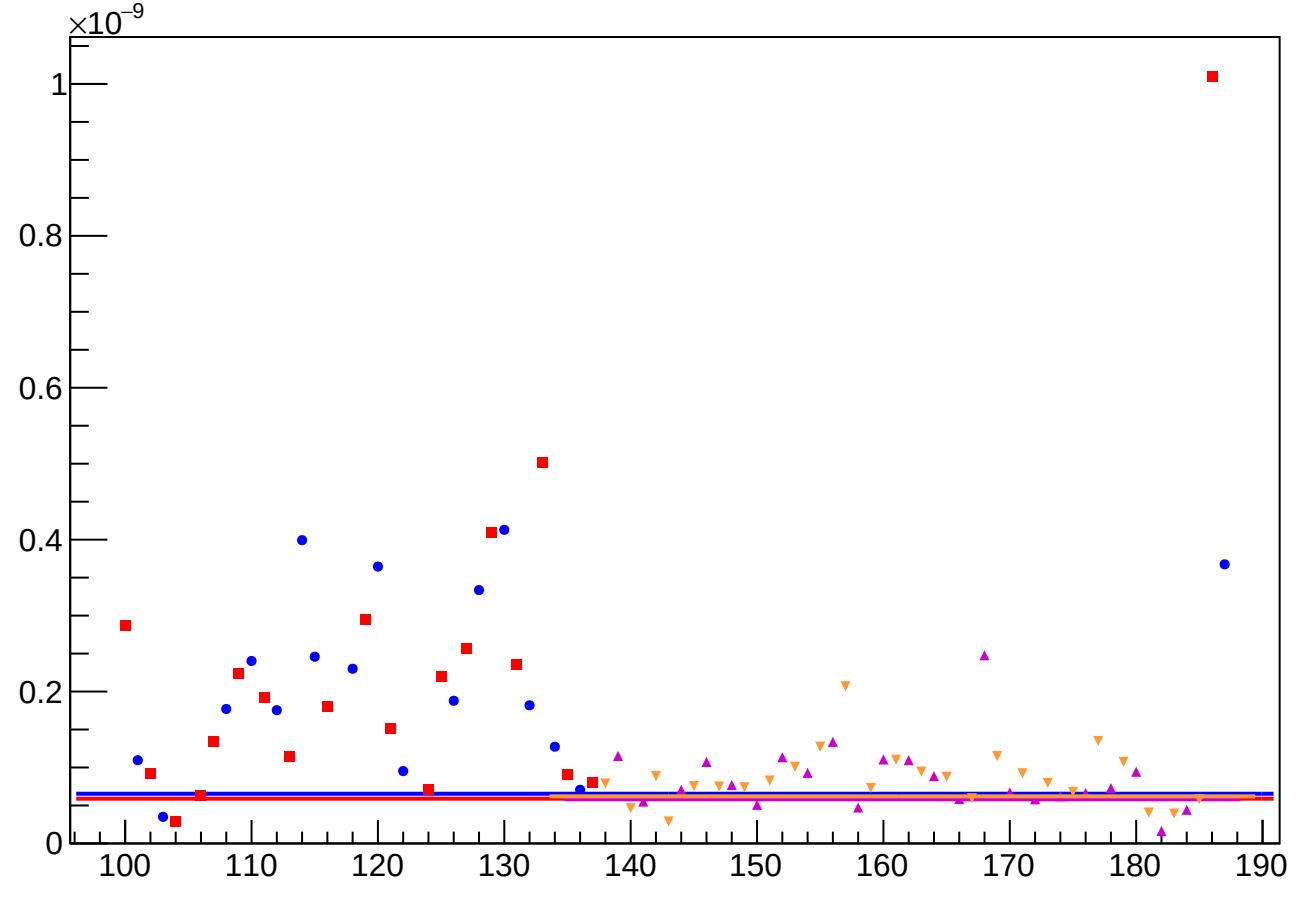
Right: 3412.452+/-0.673 χ^2/NDF: 4054815.5/36

In: 4360.588+/-0.637 χ^2/NDF:4359977.1/39

Out: 4166.959+/-0.601 χ^2/NDF:5305102.1/44

All: 4258.063+/-0.437 χ^2/NDF: 9713950.0/84


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.0/16
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.1/19
Left In: -0.000+/-0.000 χ²/NDF:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/47
Right: -0.000+/-0.000 χ²/NDF: 35.0/36
In: -0.000+/-0.000 χ²/NDF:45.8/39
Out: 0.000+/-0.000 χ²/NDF:46.7/44
All: -0.000+/-0.000 χ²/NDF: 94.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 2743289.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3182790.1/19

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

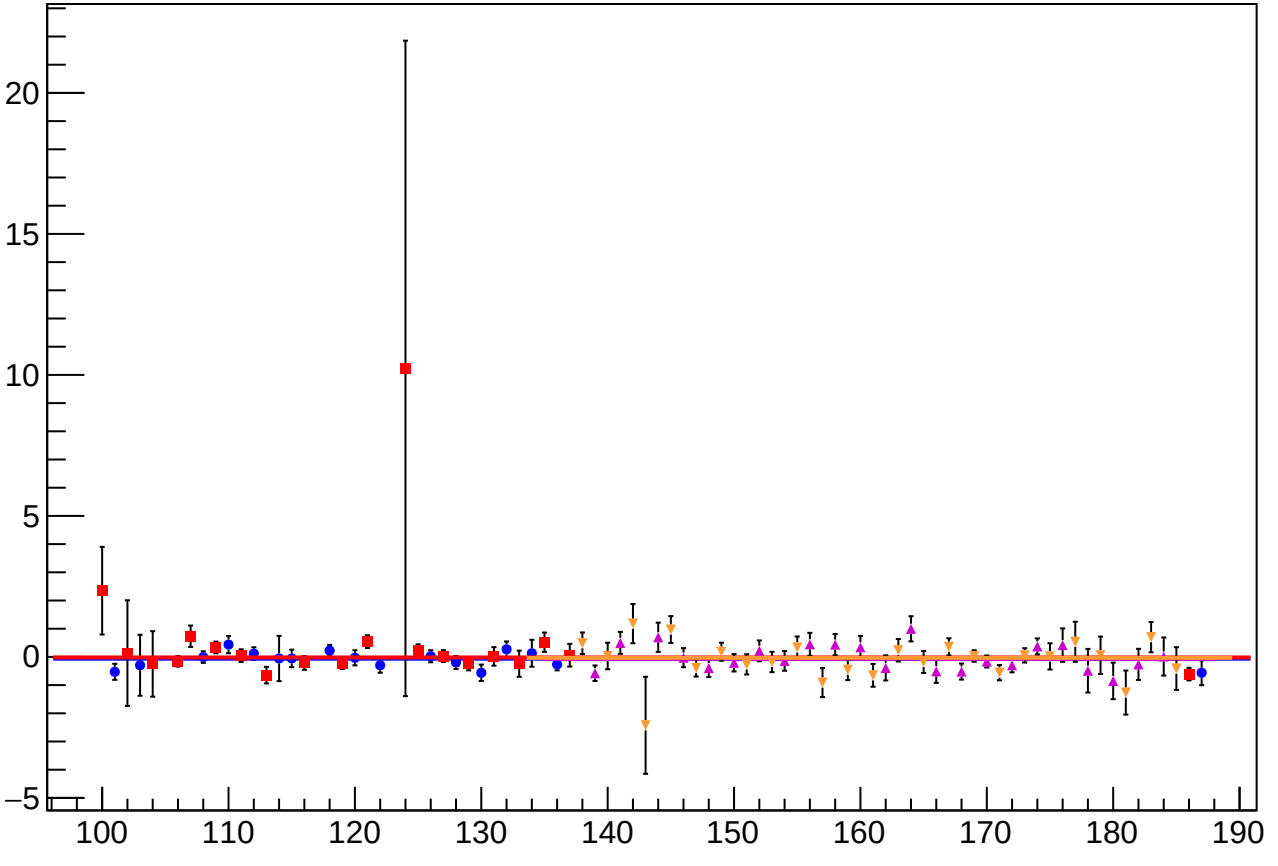
Right: 0.000+/-0.000 χ^2/NDF: 5944483.9/36

In: 0.000+/-0.000 χ^2/NDF:5745587.2/39

Out: 0.000+/-0.000 χ^2/NDF:5632597.0/44

All: 0.000+/-0.000 χ^2/NDF: 11382745.8/84

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.019+/-0.062 χ^2/NDF: 35.1/19

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

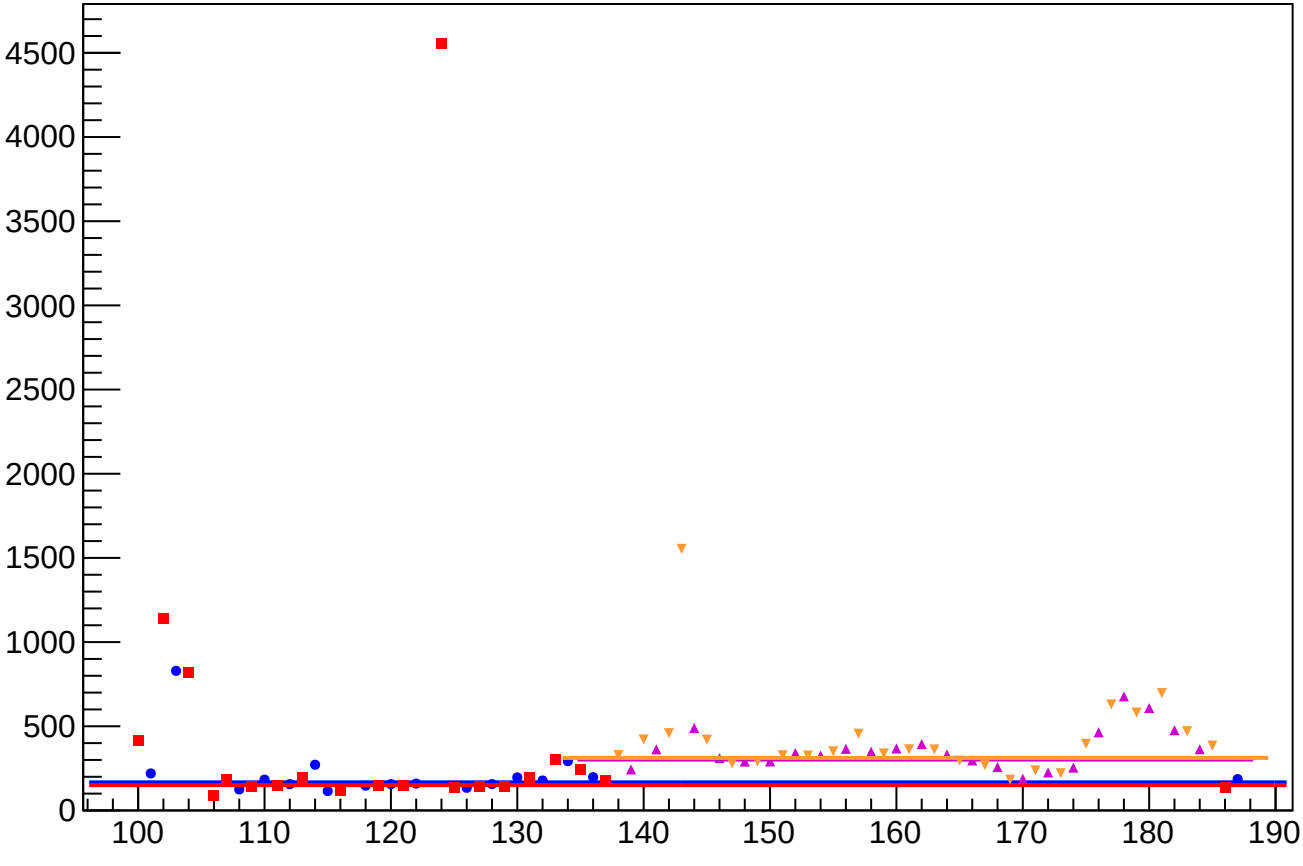
Right: -0.040+/-0.045 χ^2/NDF: 51.5/36

In: -0.065+/-0.050 χ^2/NDF:46.1/39

Out: -0.025+/-0.048 χ^2/NDF:67.6/44

All: -0.045+/-0.034 χ^2/NDF: 114.1/84

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.806+/-0.047 χ^2/NDF: 1286680.0/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 150.539+/-0.044 χ^2/NDF: 2325737.1/19

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

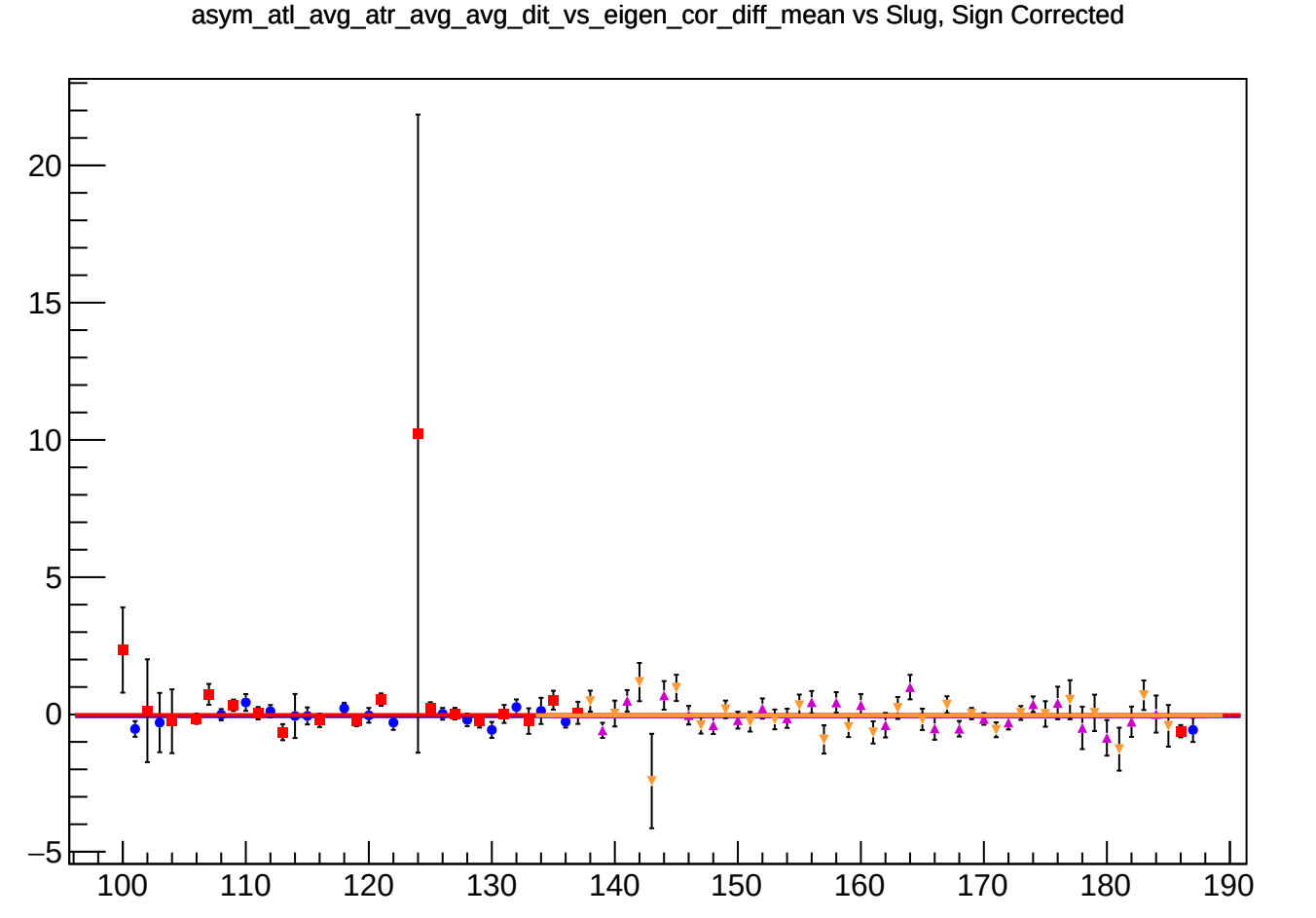
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 158.109+/-0.032 χ^2/NDF: 3677425.8/36

In: 226.035+/-0.035 χ^2/NDF:7785459.3/39

Out: 213.797+/-0.034 χ^2/NDF:12066637.2/44

All: 219.727+/-0.024 χ^2/NDF: 19915099.4/84



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.019+/-0.062 χ^2/NDF: 35.1/19

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

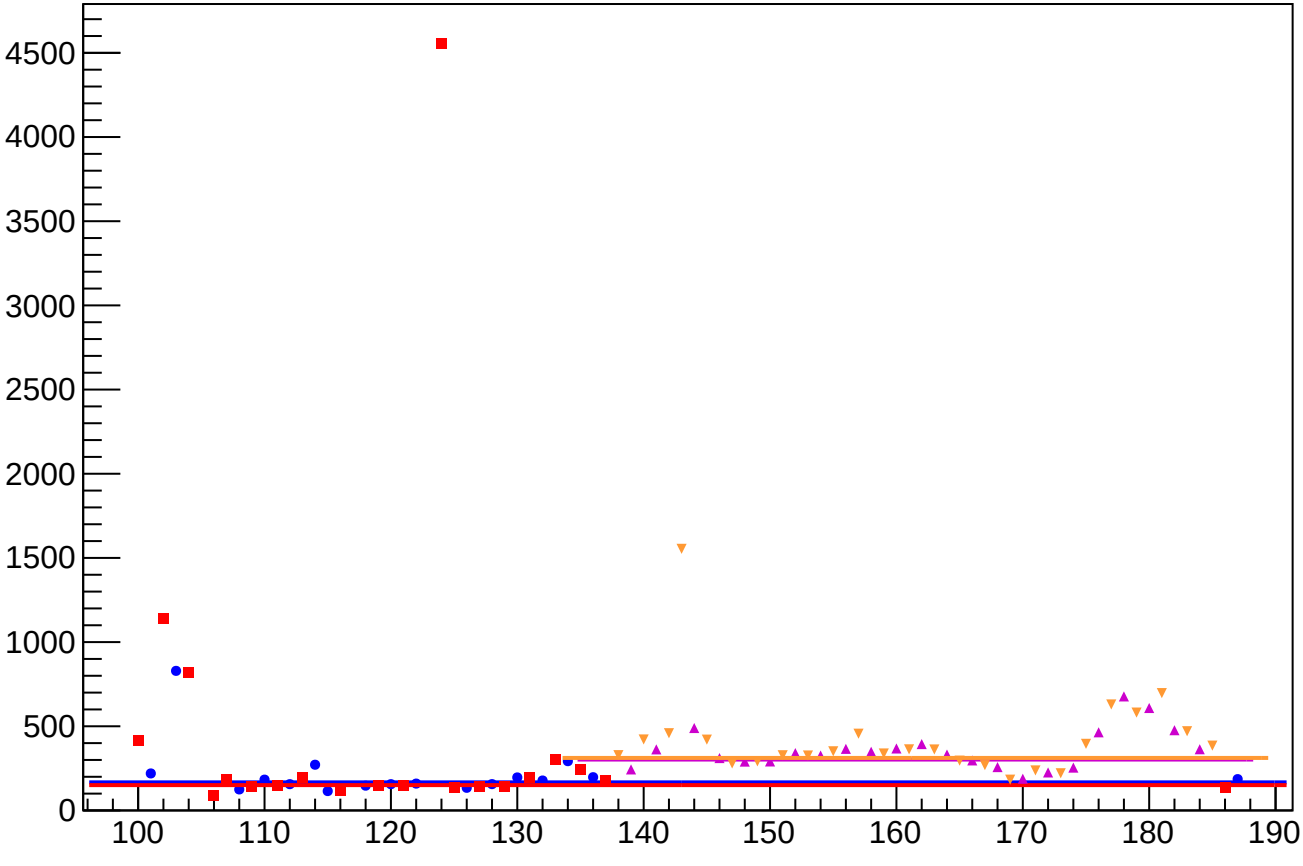
Right: -0.040+/-0.045 χ^2/NDF: 51.5/36

In: -0.065+/-0.050 χ^2/NDF:46.1/39

Out: -0.025+/-0.048 χ^2/NDF:67.6/44

All: -0.045+/-0.034 χ^2/NDF: 114.1/84

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.806+/-0.047 χ^2/NDF: 1286680.0/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 150.539+/-0.044 χ^2/NDF: 2325737.1/19

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

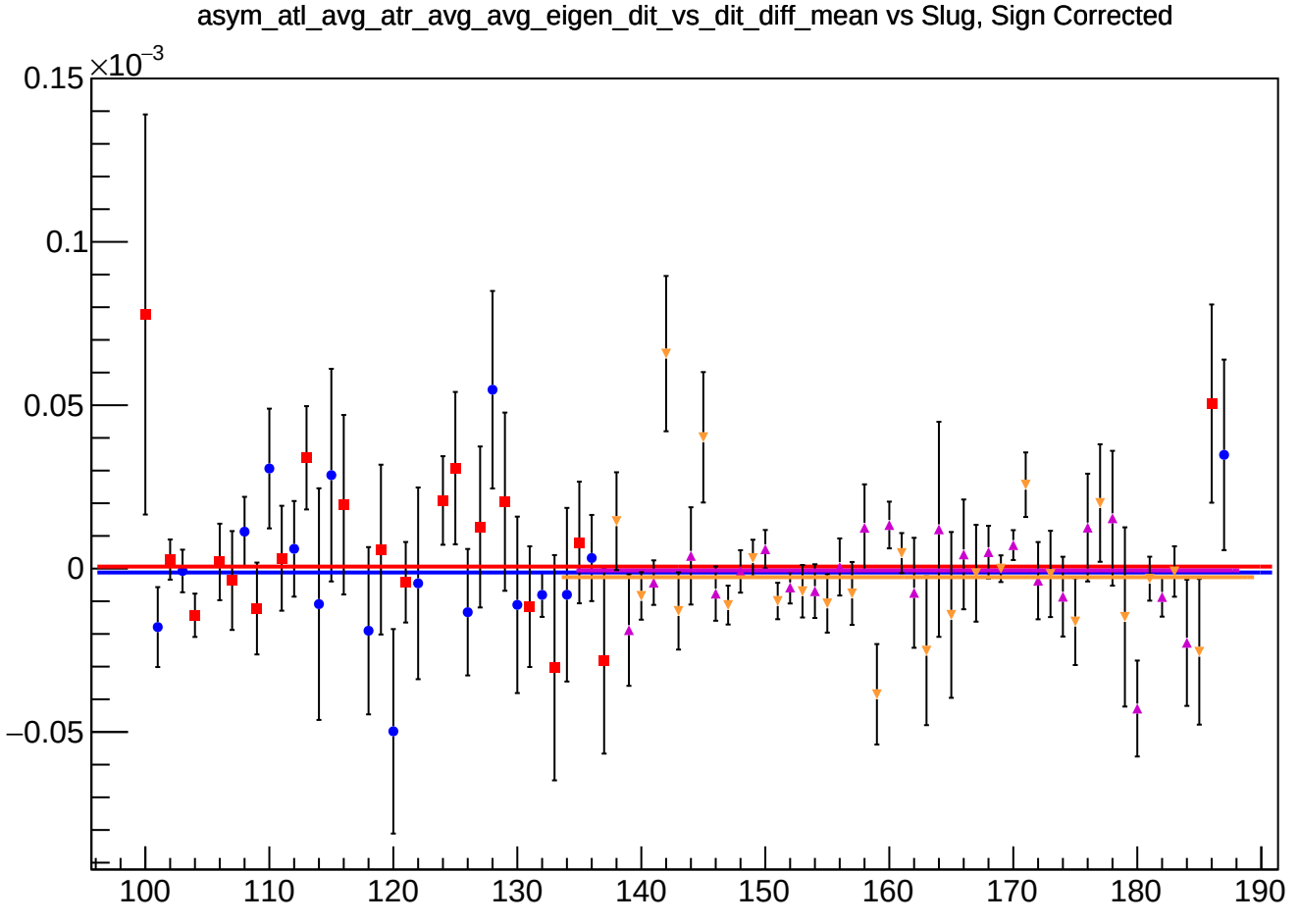
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 158.109+/-0.032 χ^2/NDF: 3677425.8/36

In: 226.035+/-0.035 χ^2/NDF:7785459.3/39

Out: 213.797+/-0.034 χ^2/NDF:12066637.2/44

All: 219.727+/-0.024 χ^2/NDF: 19915099.4/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/19

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

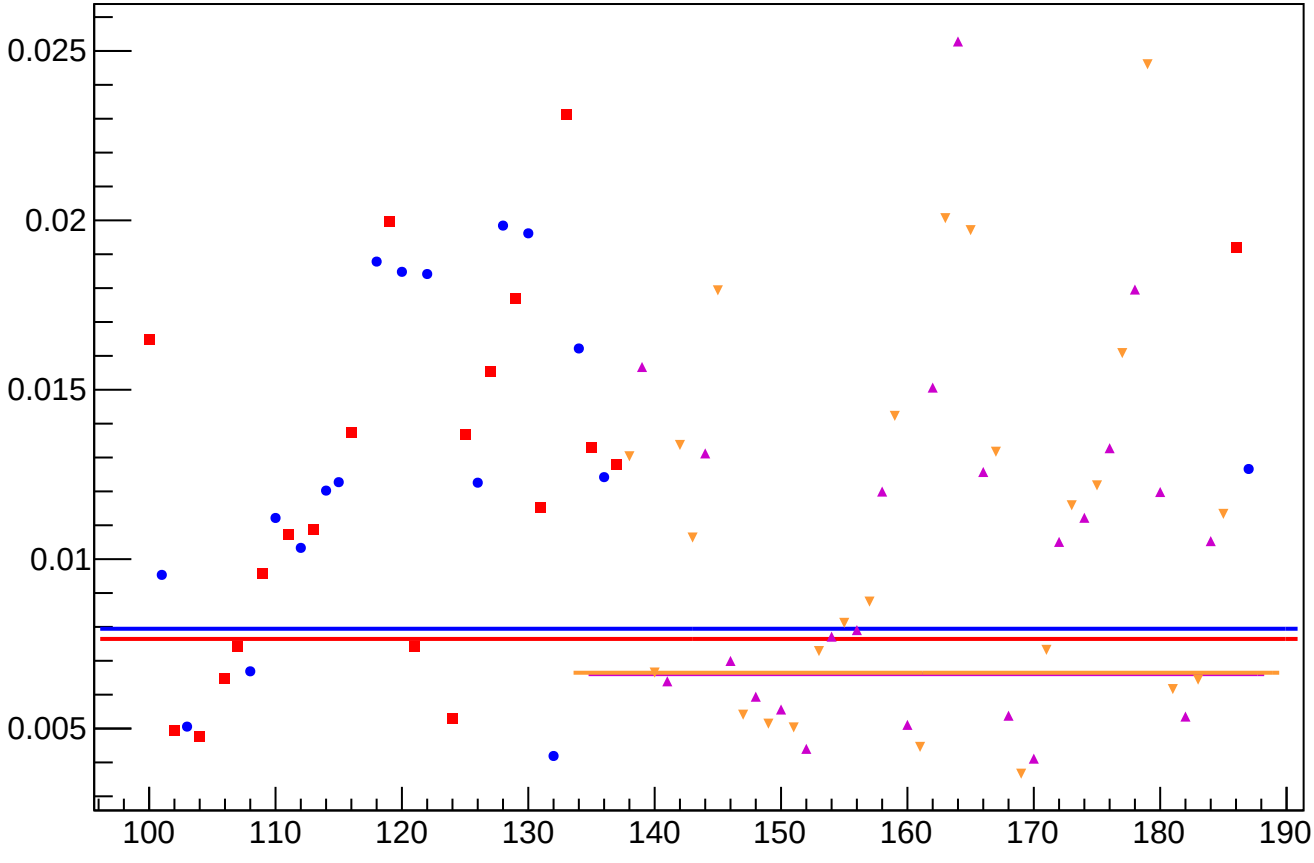
Right: -0.000+/-0.000 χ^2/NDF: 39.8/36

In: -0.000+/-0.000 χ^2/NDF:43.9/39

Out: -0.000+/-0.000 χ^2/NDF:65.9/44

All: -0.000+/-0.000 χ^2/NDF: 110.1/84

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: 3354777.9/16

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3269003.7/19

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

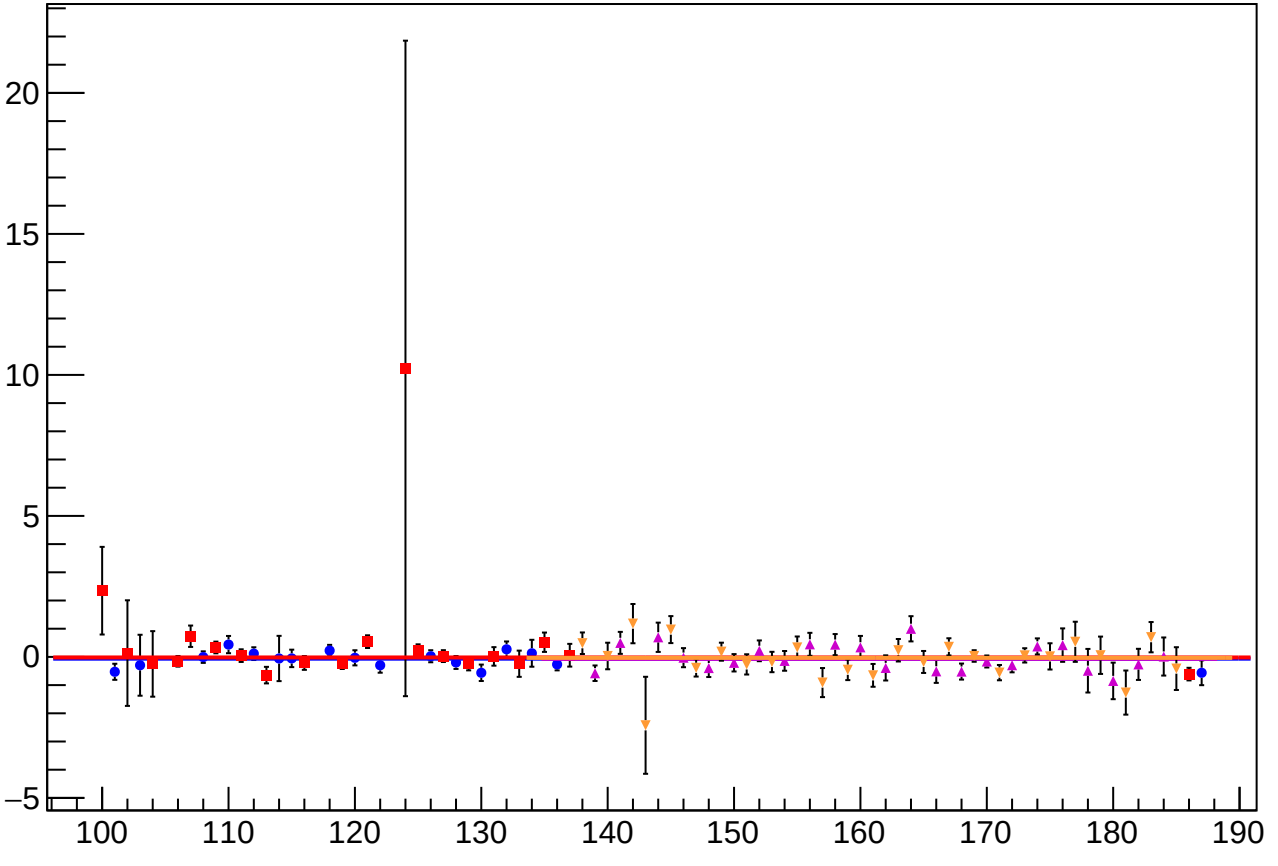
Right: 0.008+/-0.000 χ^2/NDF: 6632323.9/36

In: 0.007+/-0.000 χ^2/NDF:9457023.6/39

Out: 0.007+/-0.000 χ^2/NDF:10939018.5/44

All: 0.007+/-0.000 χ^2/NDF: 20396106.4/84

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.019+/-0.062 χ^2/NDF: 35.1/19

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

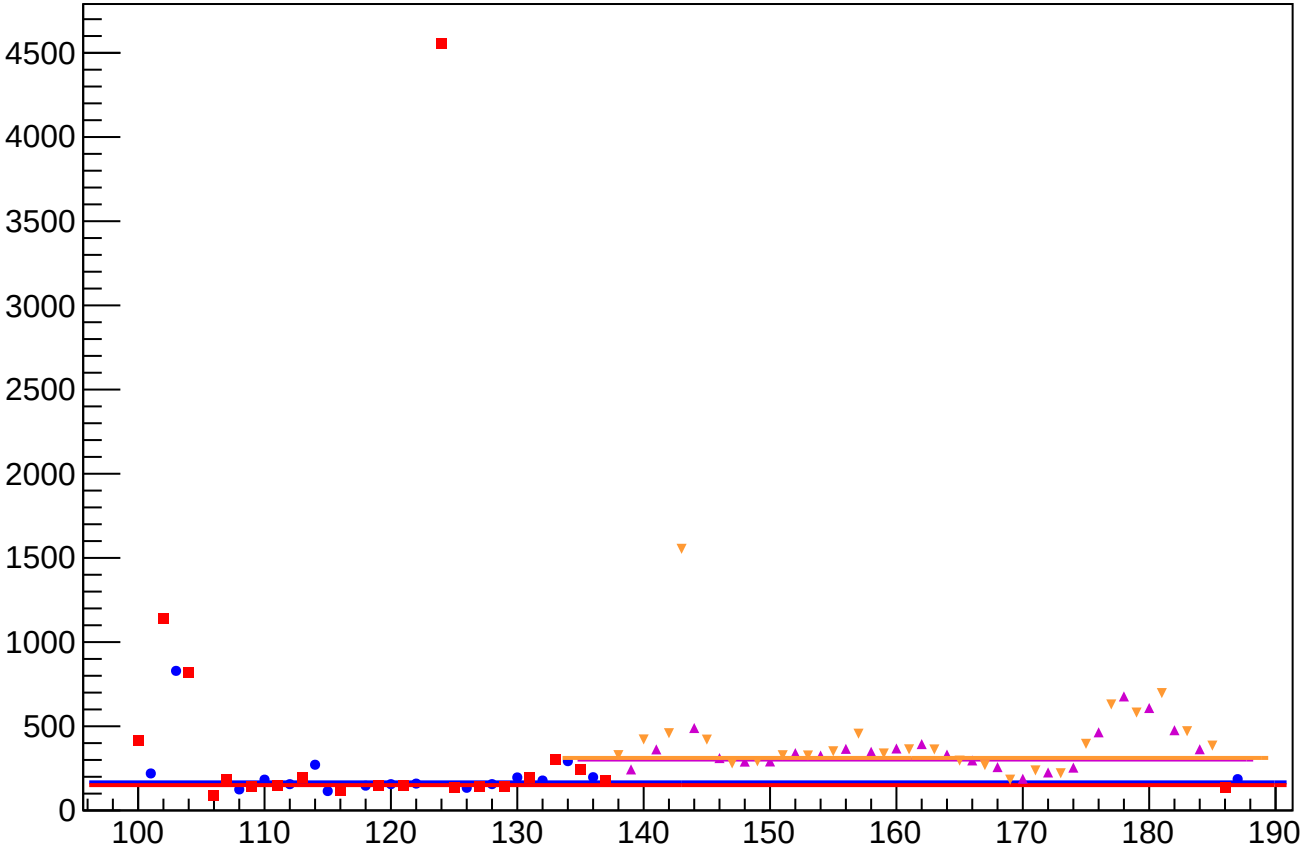
Right: -0.040+/-0.045 χ^2/NDF: 51.5/36

In: -0.065+/-0.050 χ^2/NDF:46.1/39

Out: -0.025+/-0.048 χ^2/NDF:67.6/44

All: -0.045+/-0.034 χ^2/NDF: 114.1/84

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.805+/-0.047 χ^2/NDF: 1286676.9/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 150.537+/-0.044 χ^2/NDF: 2325752.5/19

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

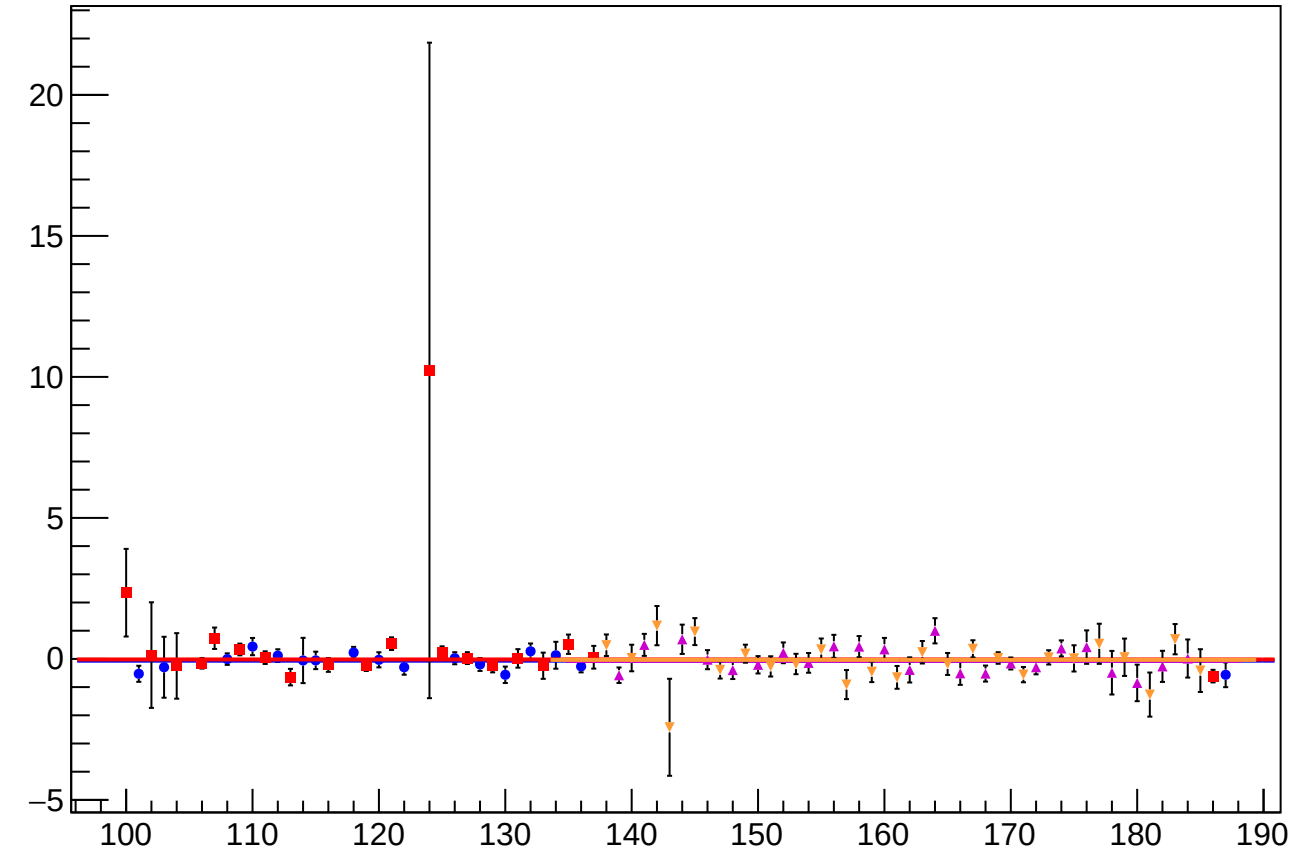
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 158.108+/-0.032 χ^2/NDF: 3677450.9/36

In: 226.035+/-0.035 χ^2/NDF:7785691.3/39

Out: 213.795+/-0.034 χ^2/NDF:12067048.9/44

All: 219.726+/-0.024 χ^2/NDF: 19915764.1/84



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.019+/-0.062 χ^2/NDF: 35.1/19

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

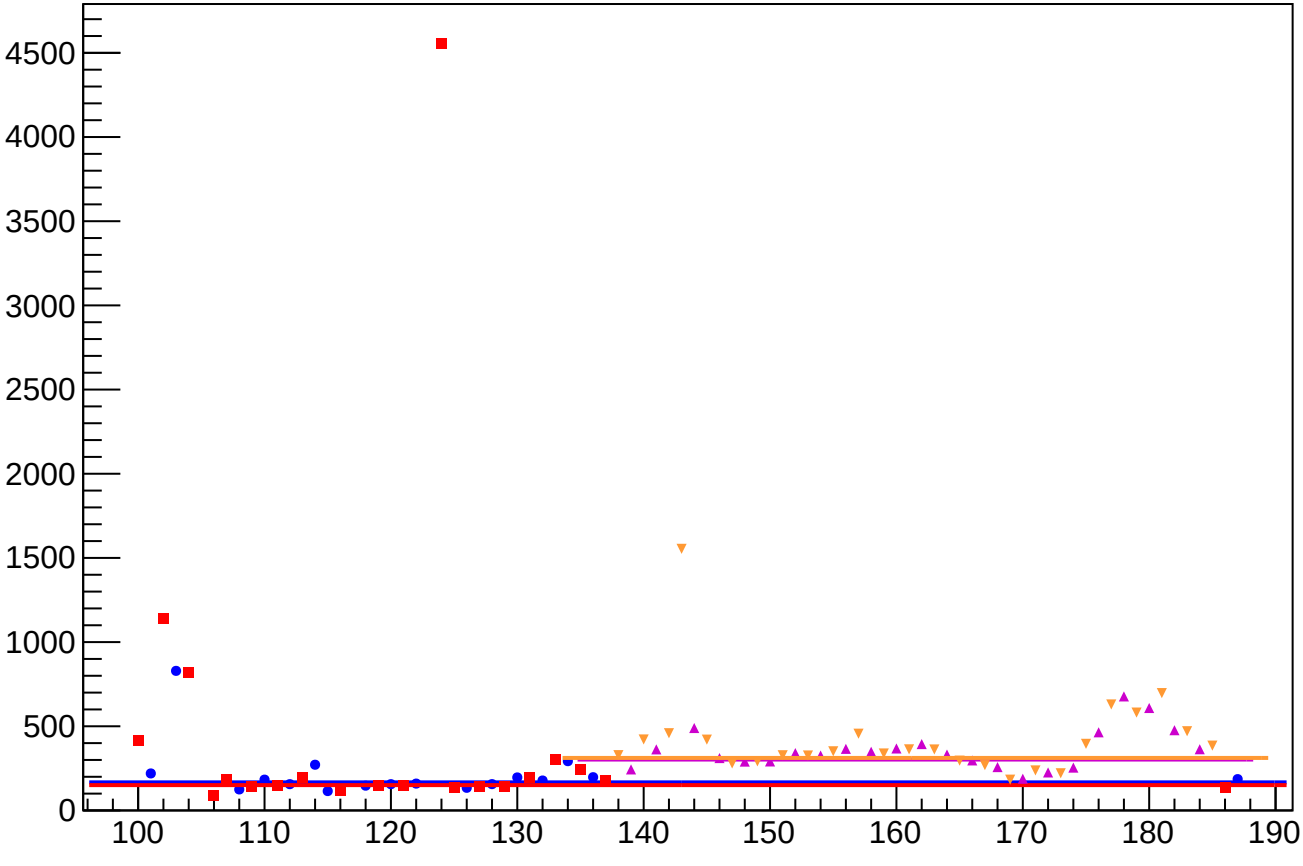
Right: -0.040+/-0.045 χ^2/NDF: 51.5/36

In: -0.065+/-0.050 χ^2/NDF:46.1/39

Out: -0.025+/-0.048 χ^2/NDF:67.6/44

All: -0.045+/-0.034 χ^2/NDF: 114.1/84

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.805+/-0.047 χ^2/NDF: 1286676.9/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 150.537+/-0.044 χ^2/NDF: 2325752.5/19

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

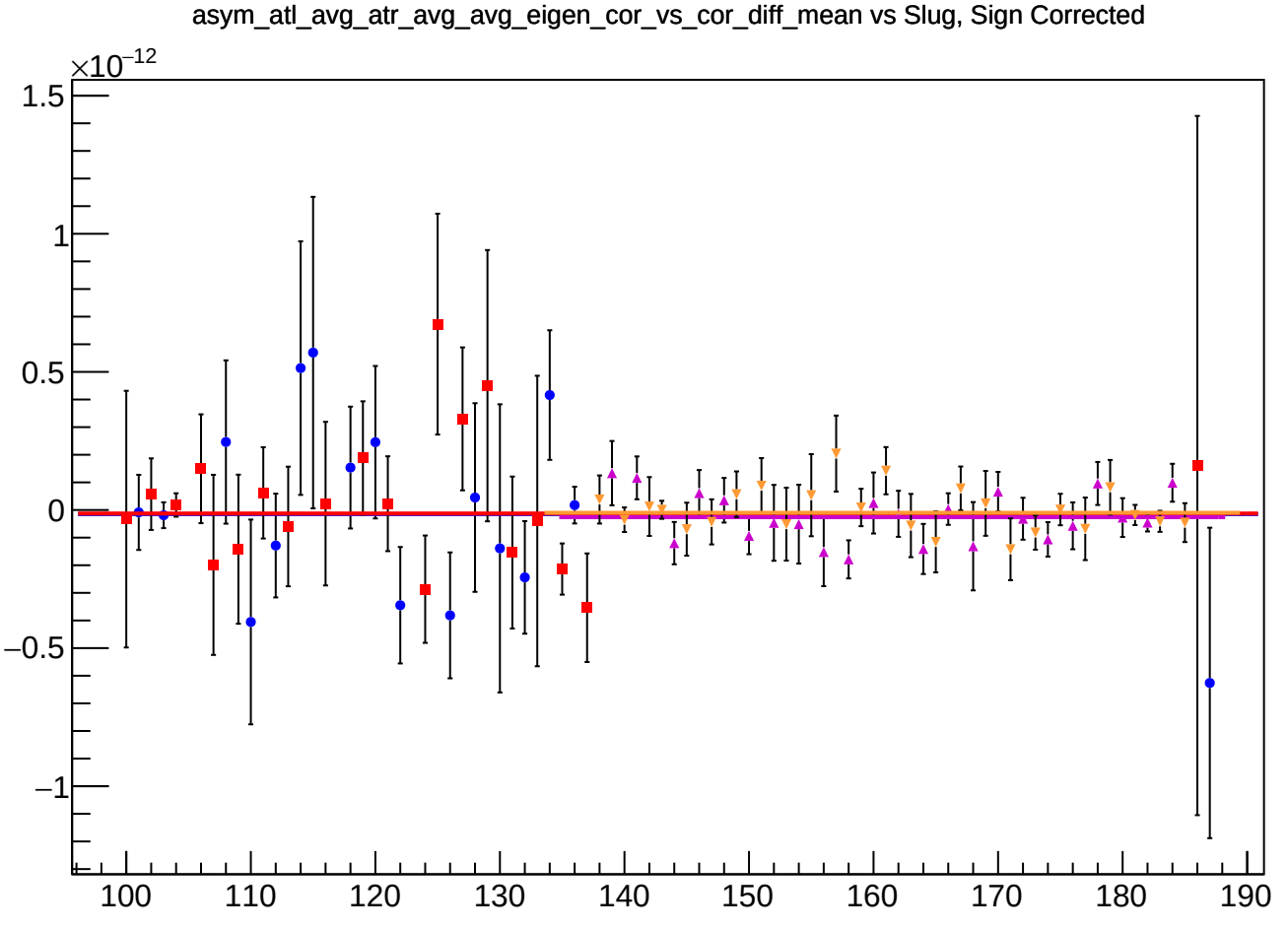
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 158.108+/-0.032 χ^2/NDF: 3677450.9/36

In: 226.035+/-0.035 χ^2/NDF:7785691.3/39

Out: 213.795+/-0.034 χ^2/NDF:12067048.9/44

All: 219.726+/-0.024 χ^2/NDF: 19915764.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

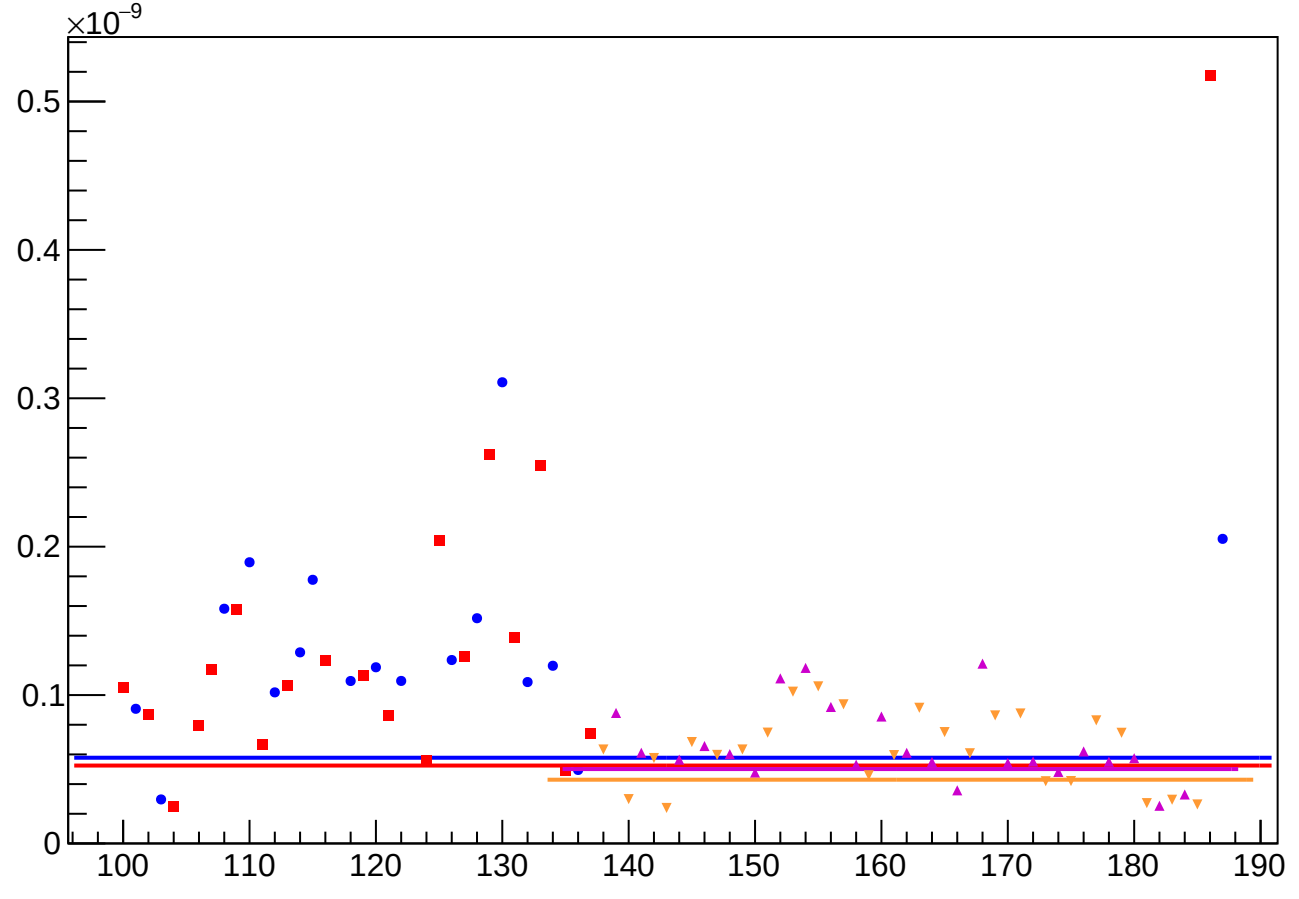
Right: -0.000+/-0.000 χ^2/NDF: 36.2/36

In: -0.000+/-0.000 χ^2/NDF:45.0/39

Out: -0.000+/-0.000 χ^2/NDF:35.1/44

All: -0.000+/-0.000 χ^2/NDF: 80.7/84

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3121373.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3558305.9/19

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

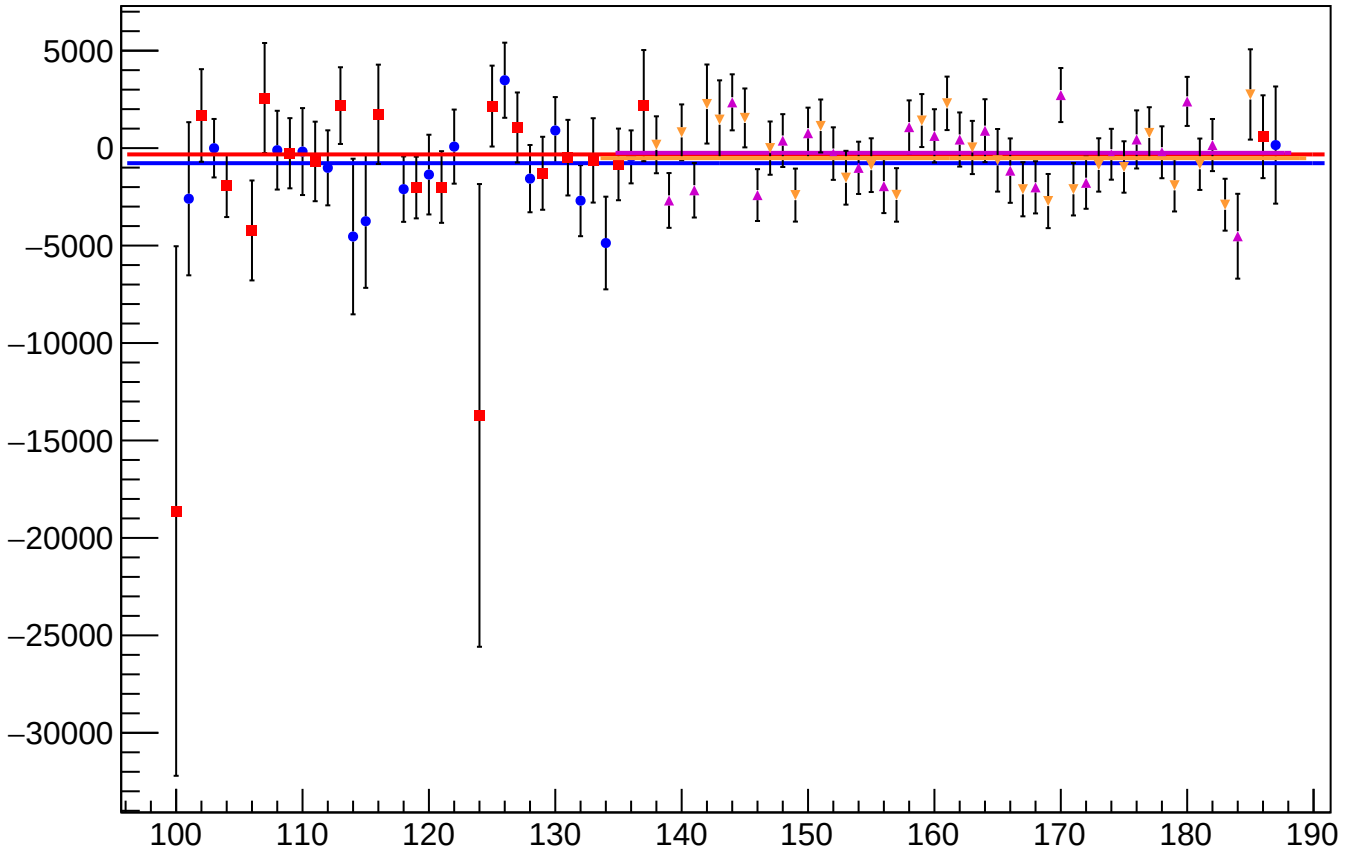
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6706467.1/36

In: 0.000+/-0.000 χ^2/NDF:6821620.8/39

Out: 0.000+/-0.000 χ^2/NDF:8788190.2/44

All: 0.000+/-0.000 χ^2/NDF: 15899248.6/84



Right In: -772.835+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -322.583+/-473.608 χ^2/NDF: 15.8/19

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

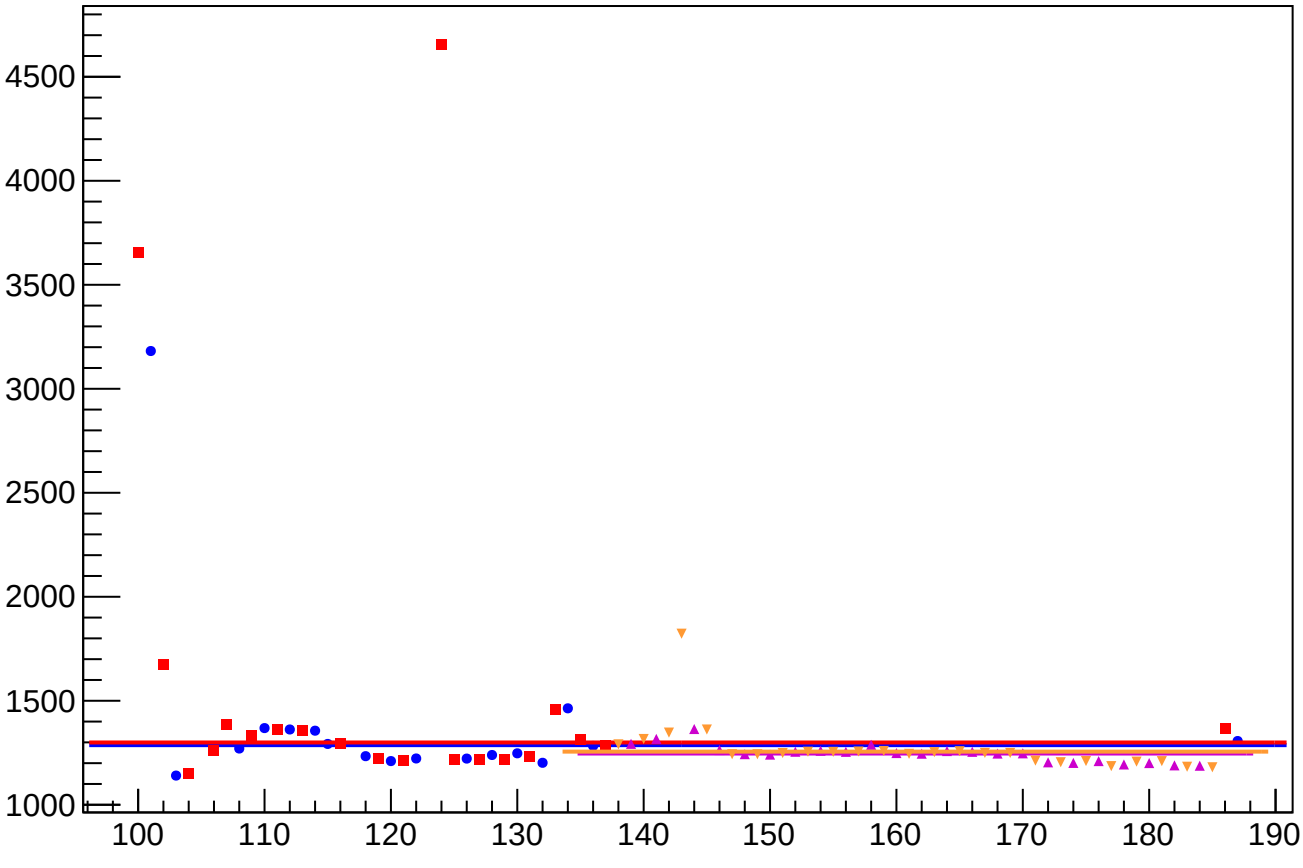
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -544.144+/-337.532 χ^2/NDF: 29.8/36

In: -384.781+/-249.108 χ^2/NDF:46.4/39

Out: -463.219+/-244.789 χ^2/NDF:46.8/44

All: -424.686+/-174.599 χ^2/NDF: 93.3/84



Right In: 1286.619+/-0.340 χ^2/NDF: 518216.2/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1299.478+/-0.335 χ^2/NDF: 330201.9/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

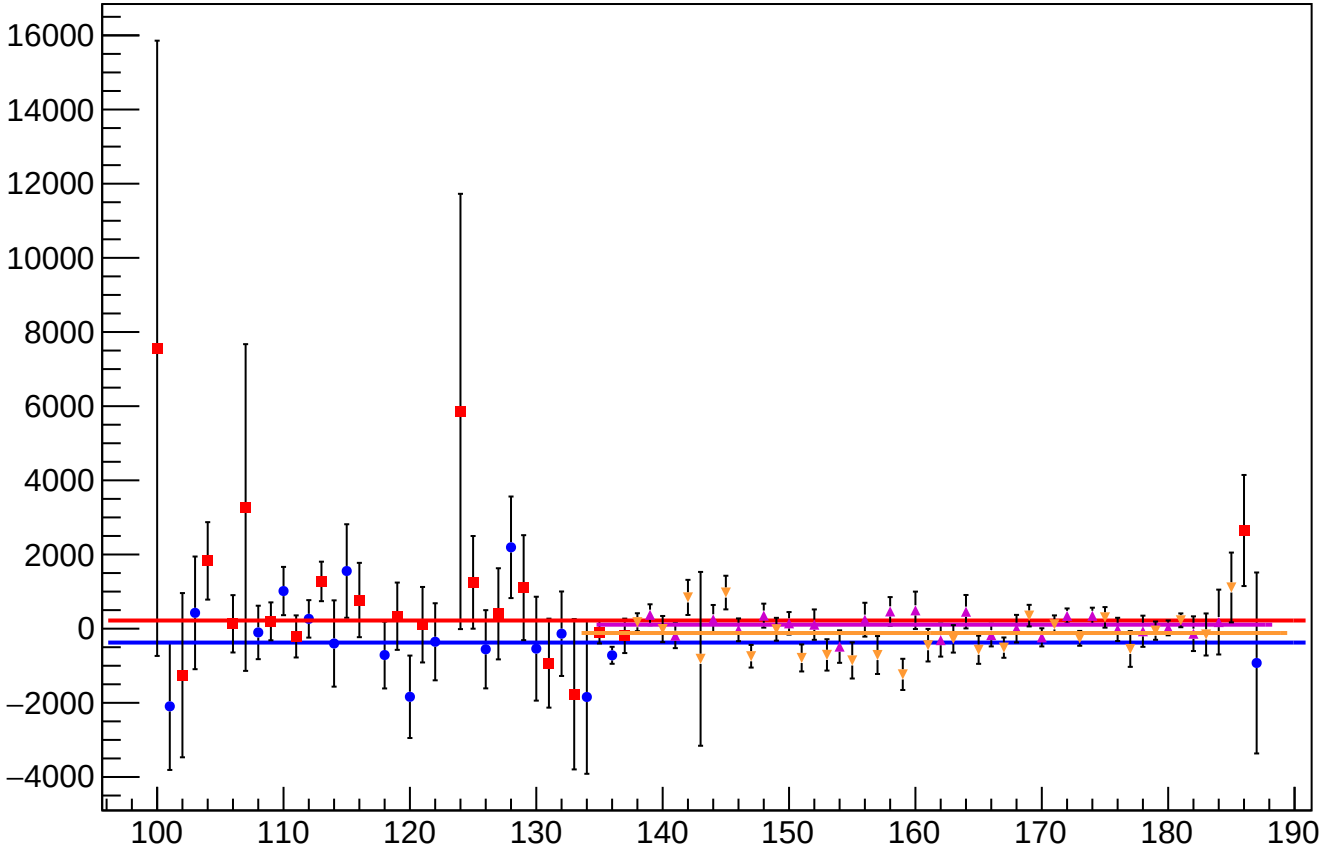
Right: 1293.150+/-0.239 χ^2/NDF: 849143.7/36

In: 1257.146+/-0.176 χ^2/NDF:568324.3/39

Out: 1267.259+/-0.173 χ^2/NDF:545956.0/44

All: 1262.291+/-0.123 χ^2/NDF: 1115956.9/84

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -374.939+/-167.806 χ^2/NDF: 18.2/16

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 220.052+/-168.499 χ^2/NDF: 17.3/19

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

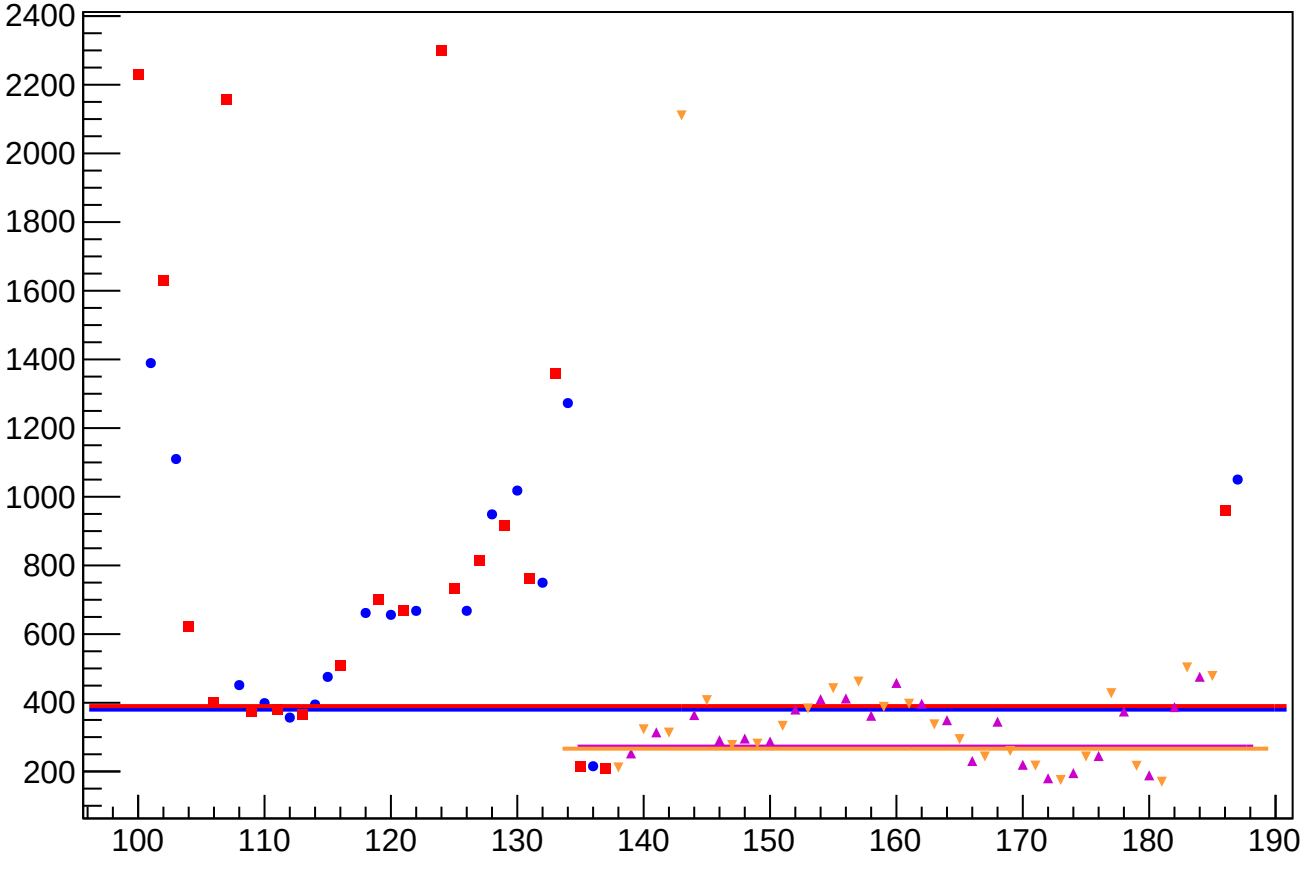
Right: -78.671+/-118.901 χ^2/NDF: 41.8/36

In: 41.027+/-62.224 χ^2/NDF:39.1/39

Out: -73.296+/-60.692 χ^2/NDF:69.2/44

All: -17.559+/-43.447 χ^2/NDF: 110.0/84

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 380.076+/-0.119 χ^2/NDF: 4341702.4/16

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 390.382+/-0.119 χ^2/NDF: 4347639.0/19

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

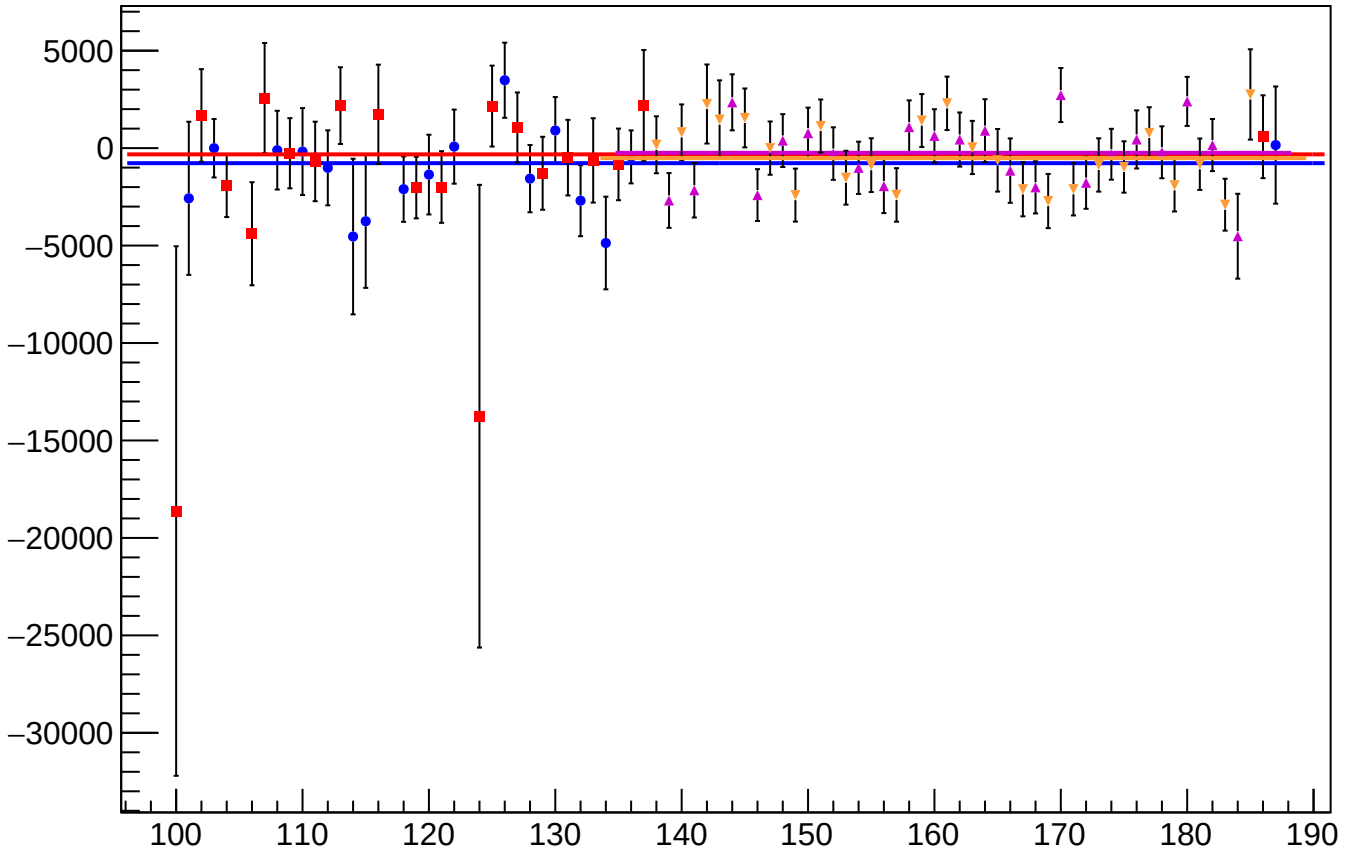
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 385.208+/-0.084 χ^2/NDF: 8693097.4/36

In: 287.178+/-0.044 χ^2/NDF:7940207.0/39

Out: 282.416+/-0.043 χ^2/NDF:9921298.4/44

All: 284.738+/-0.031 χ^2/NDF: 17867507.3/84



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -320.085+/-474.092 χ^2/NDF: 15.9/19

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

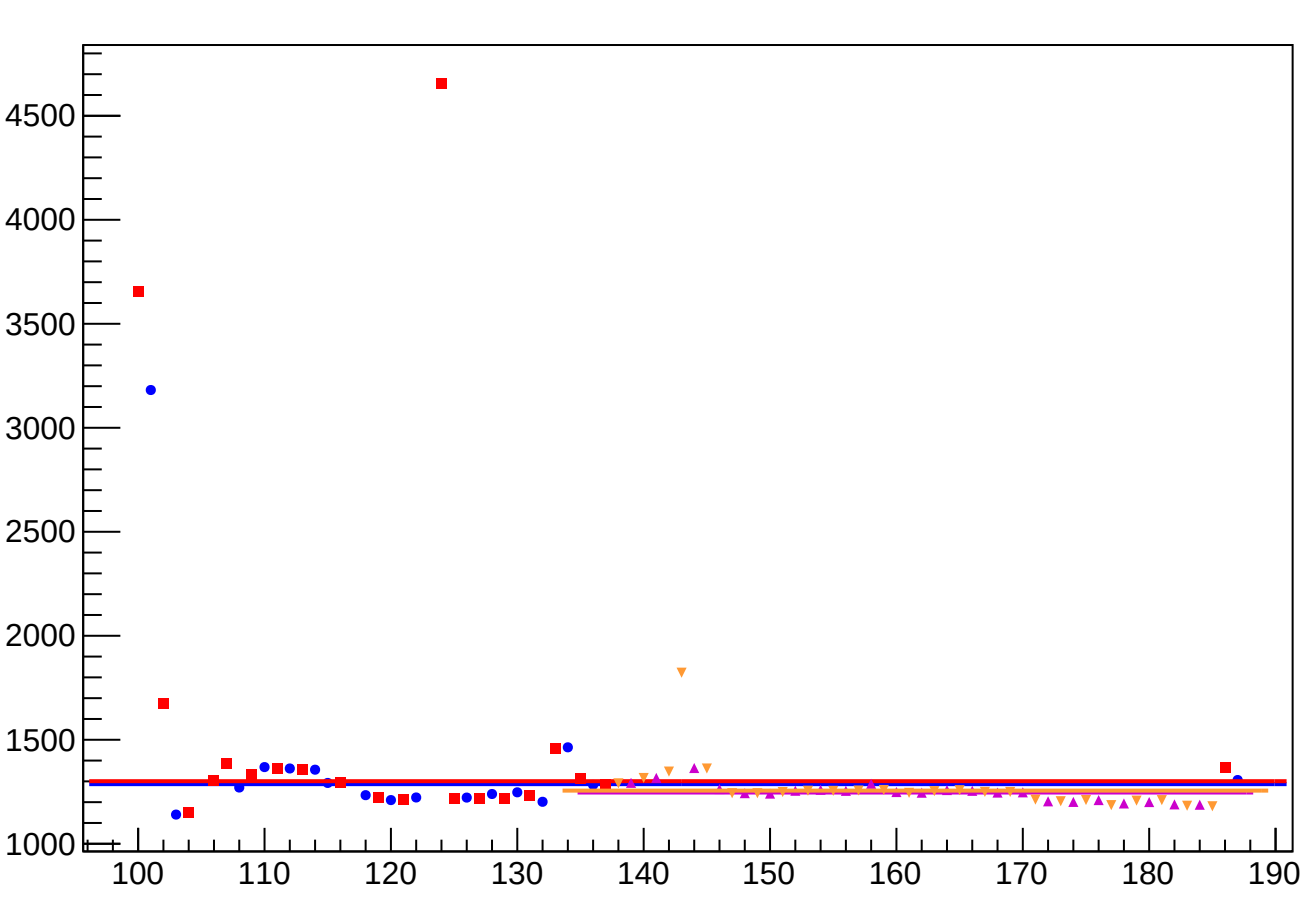
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -542.922+/-337.707 χ^2/NDF: 29.8/36

In: -384.664+/-249.108 χ^2/NDF:46.4/39

Out: -462.590+/-244.855 χ^2/NDF:46.9/44

All: -424.298+/-174.623 χ^2/NDF: 93.4/84



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

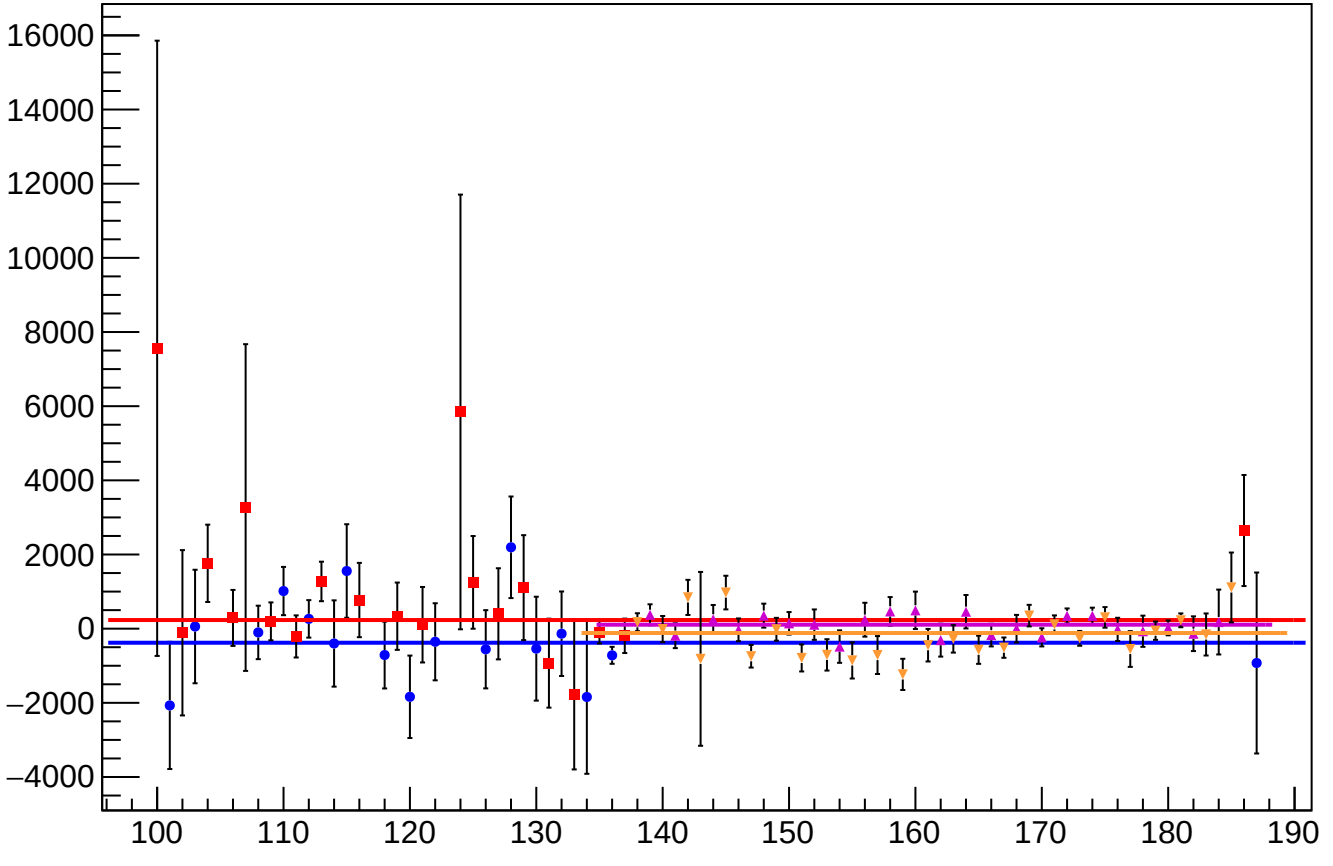
Right: 1293.847+/-0.239 χ^2/NDF: 848894.6/36

In: 1257.146+/-0.176 χ^2/NDF:568325.6/39

Out: 1267.611+/-0.173 χ^2/NDF:546330.3/44

All: 1262.469+/-0.123 χ^2/NDF: 1116450.9/84

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

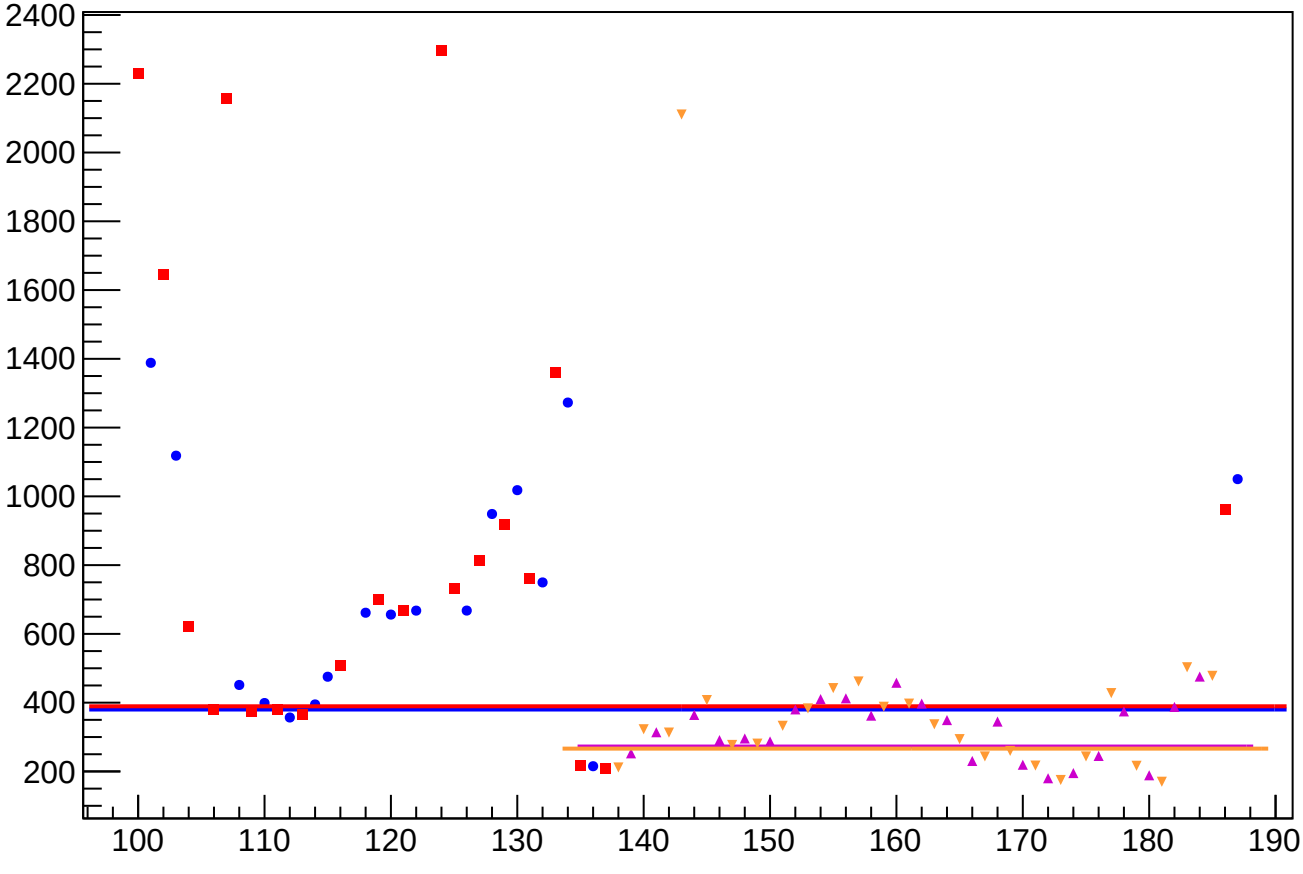
Right: -74.053+/-118.839 χ^2/NDF: 41.3/36

In: 40.530+/-62.227 χ^2/NDF:39.0/39

Out: -71.499+/-60.684 χ^2/NDF:68.9/44

All: -16.890+/-43.445 χ^2/NDF: 109.5/84

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

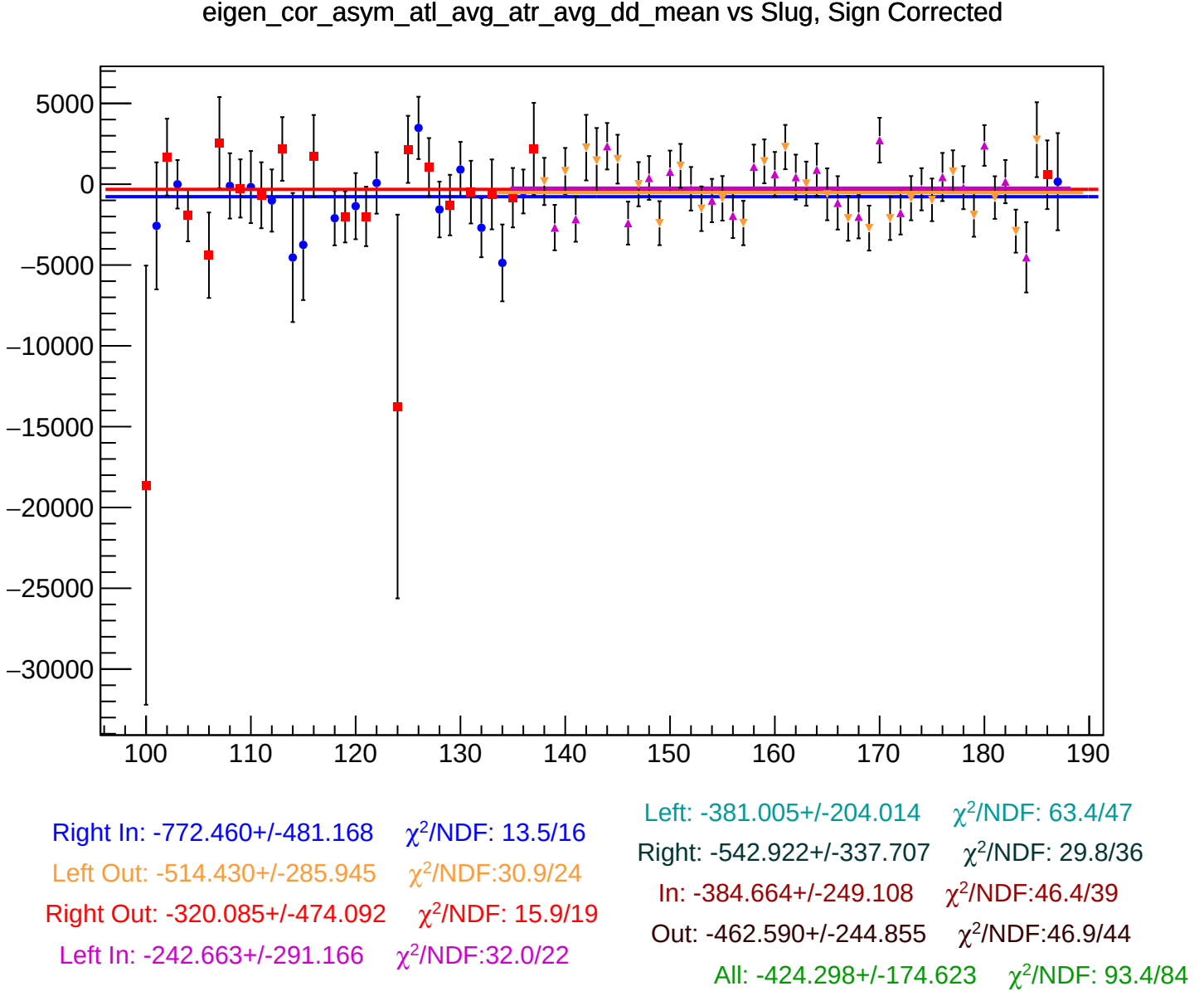
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

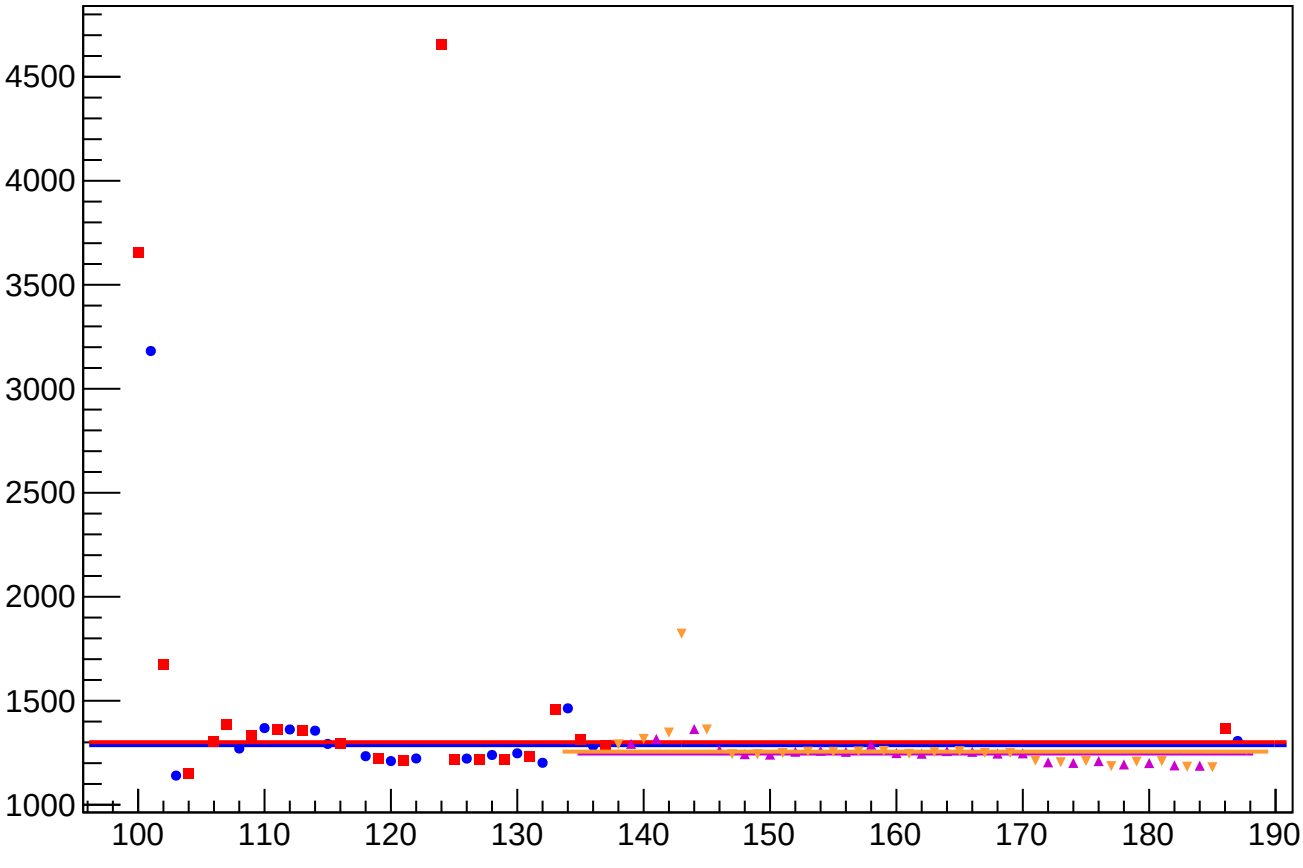
Right: 384.740+/-0.084 χ^2/NDF: 8702030.1/36

In: 287.183+/-0.044 χ^2/NDF:7942738.5/39

Out: 282.331+/-0.043 χ^2/NDF:9915269.0/44

All: 284.696+/-0.031 χ^2/NDF: 17864238.5/84


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
170
180
190
Right In: -772.460+/-481.168 χ²/NDF: 13.5/16
Left Out: -514.430+/-285.945 χ²/NDF:30.9/24
Right Out: -320.085+/-474.092 χ²/NDF: 15.9/19
Left In: -242.663+/-291.166 χ²/NDF:32.0/22
Left: -381.005+/-204.014 χ²/NDF: 63.4/47
Right: -542.922+/-337.707 χ²/NDF: 29.8/36
In: -384.664+/-249.108 χ²/NDF:46.4/39
Out: -462.590+/-244.855 χ²/NDF:46.9/44
All: -424.298+/-174.623 χ²/NDF: 93.4/84



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

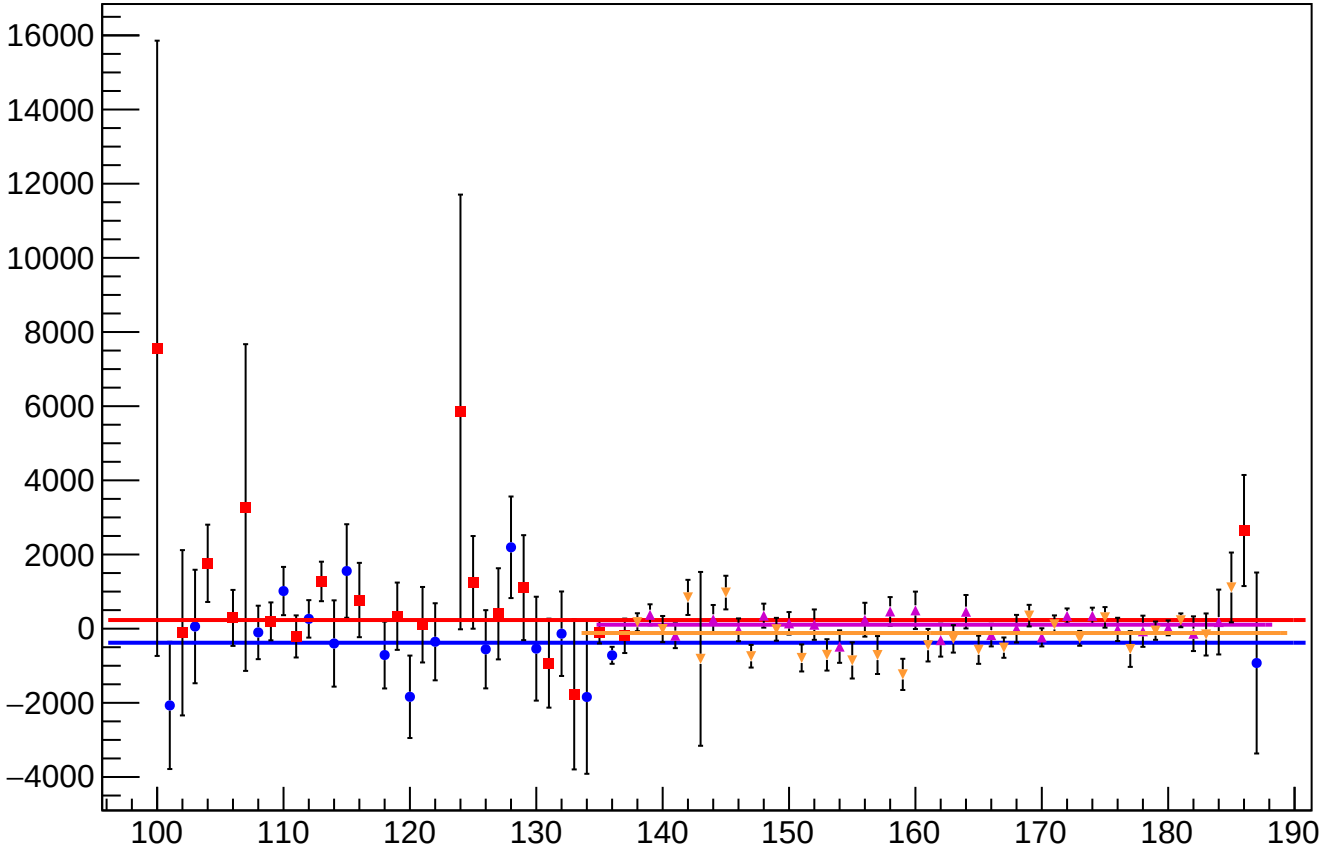
Right: 1293.847+/-0.239 χ^2/NDF: 848894.6/36

In: 1257.146+/-0.176 χ^2/NDF:568325.6/39

Out: 1267.611+/-0.173 χ^2/NDF:546330.3/44

All: 1262.469+/-0.123 χ^2/NDF: 1116450.9/84

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

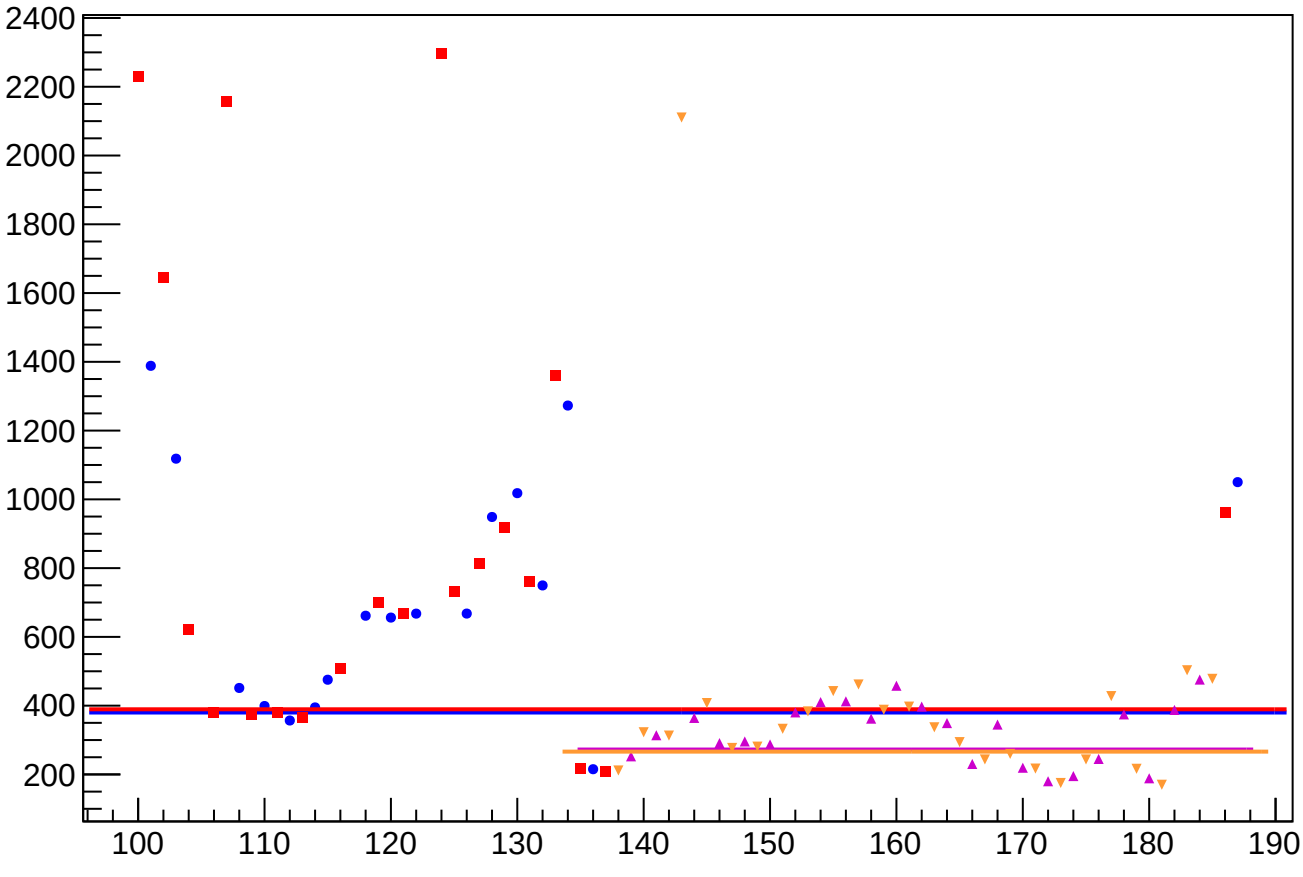
Right: -74.053+/-118.839 χ^2/NDF: 41.3/36

In: 40.530+/-62.227 χ^2/NDF:39.0/39

Out: -71.499+/-60.684 χ^2/NDF:68.9/44

All: -16.890+/-43.445 χ^2/NDF: 109.5/84

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

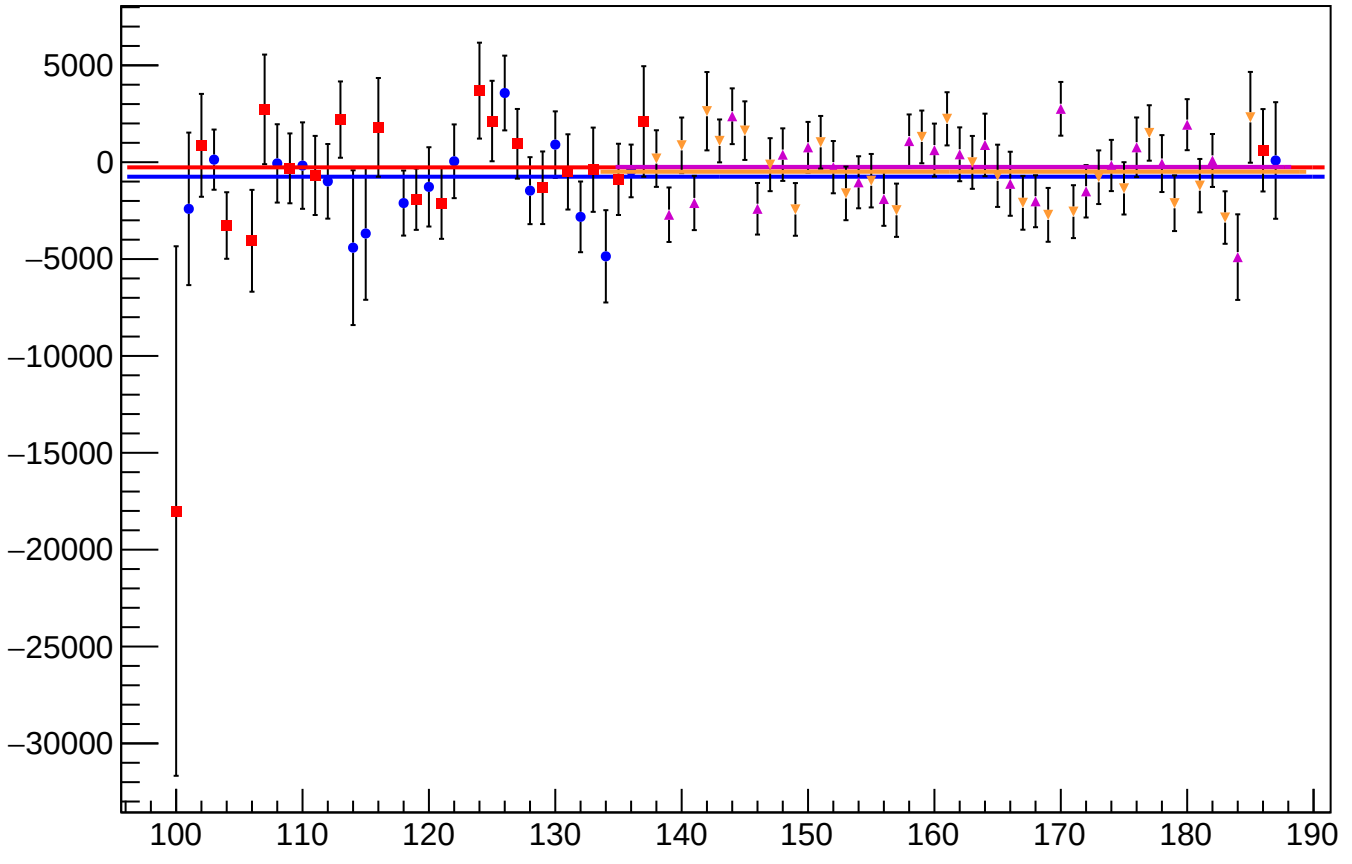
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 384.740+/-0.084 χ^2/NDF: 8702030.1/36

In: 287.183+/-0.044 χ^2/NDF:7942738.5/39

Out: 282.331+/-0.043 χ^2/NDF:9915269.0/44

All: 284.696+/-0.031 χ^2/NDF: 17864238.5/84



Right In: -749.322+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -266.025+/-470.674 χ^2/NDF: 18.1/19

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

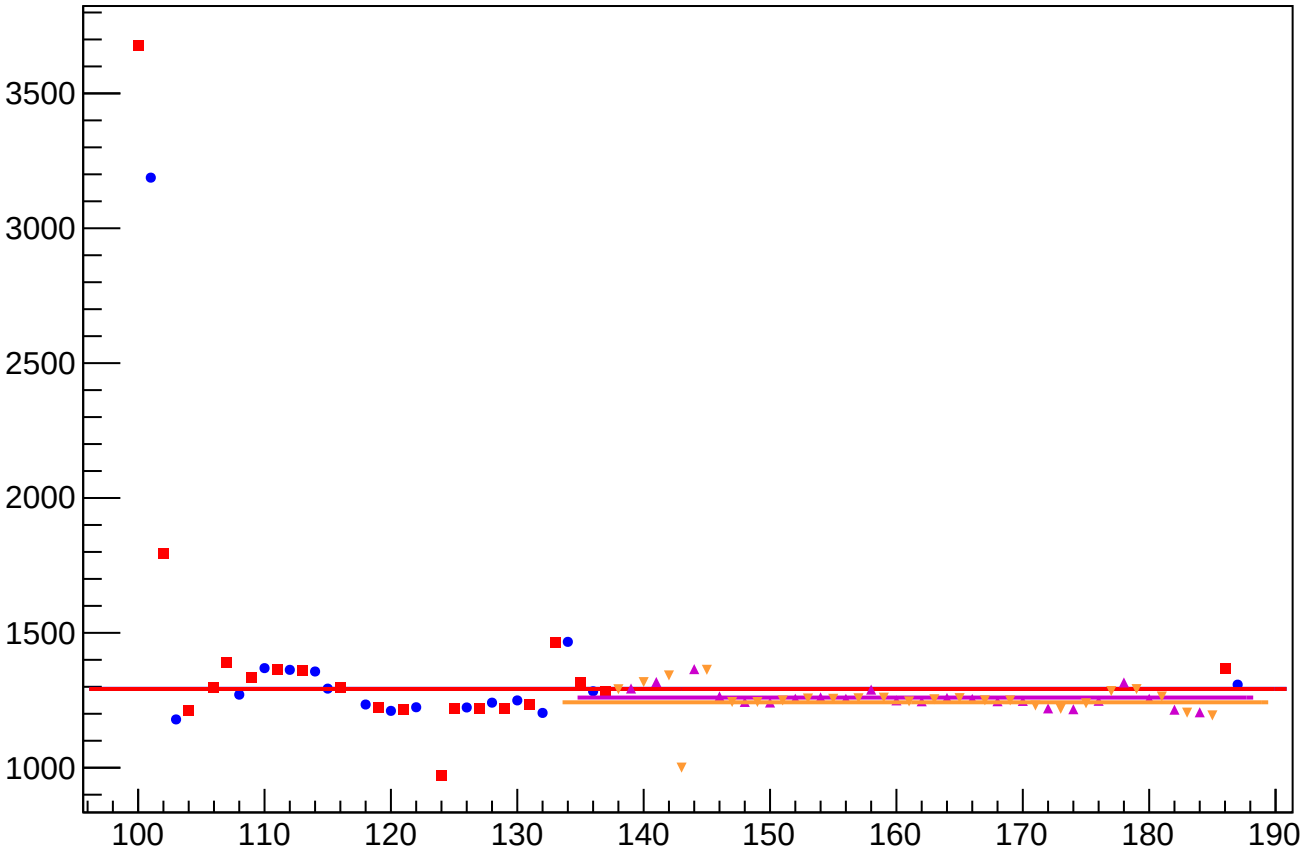
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -501.304+/-337.175 χ^2/NDF: 32.3/36

In: -379.282+/-251.381 χ^2/NDF:45.2/39

Out: -433.136+/-242.368 χ^2/NDF:52.5/44

All: -407.192+/-174.479 χ^2/NDF: 97.7/84



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.3/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

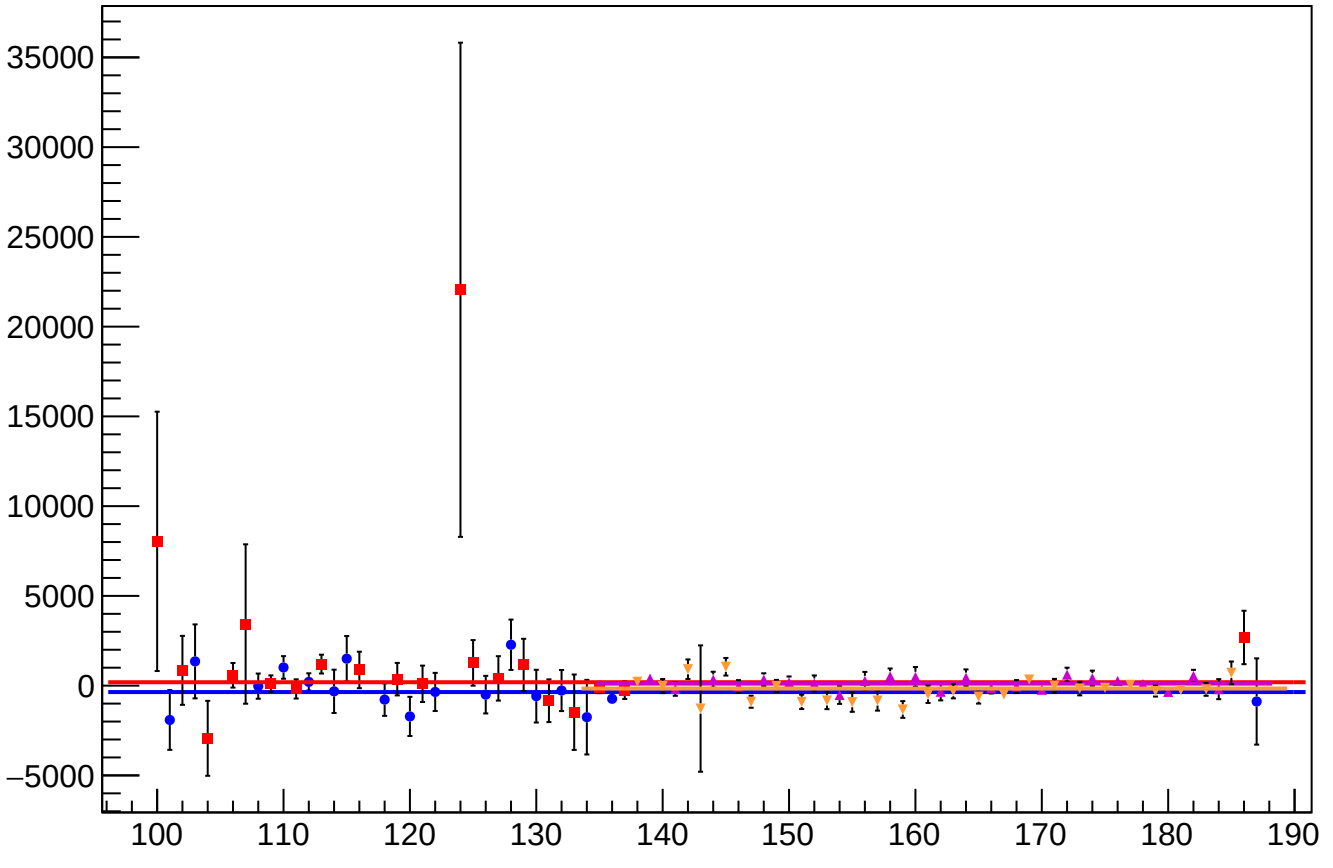
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1292.174+/-0.238 χ^2/NDF: 721371.7/36

In: 1268.849+/-0.178 χ^2/NDF:543932.8/39

Out: 1255.631+/-0.171 χ^2/NDF:358105.1/44

All: 1261.999+/-0.123 χ^2/NDF: 904903.5/84



Right In: -357.857+/-169.547 χ^2/NDF: 18.5/16

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 190.330+/-168.573 χ^2/NDF: 18.7/19

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

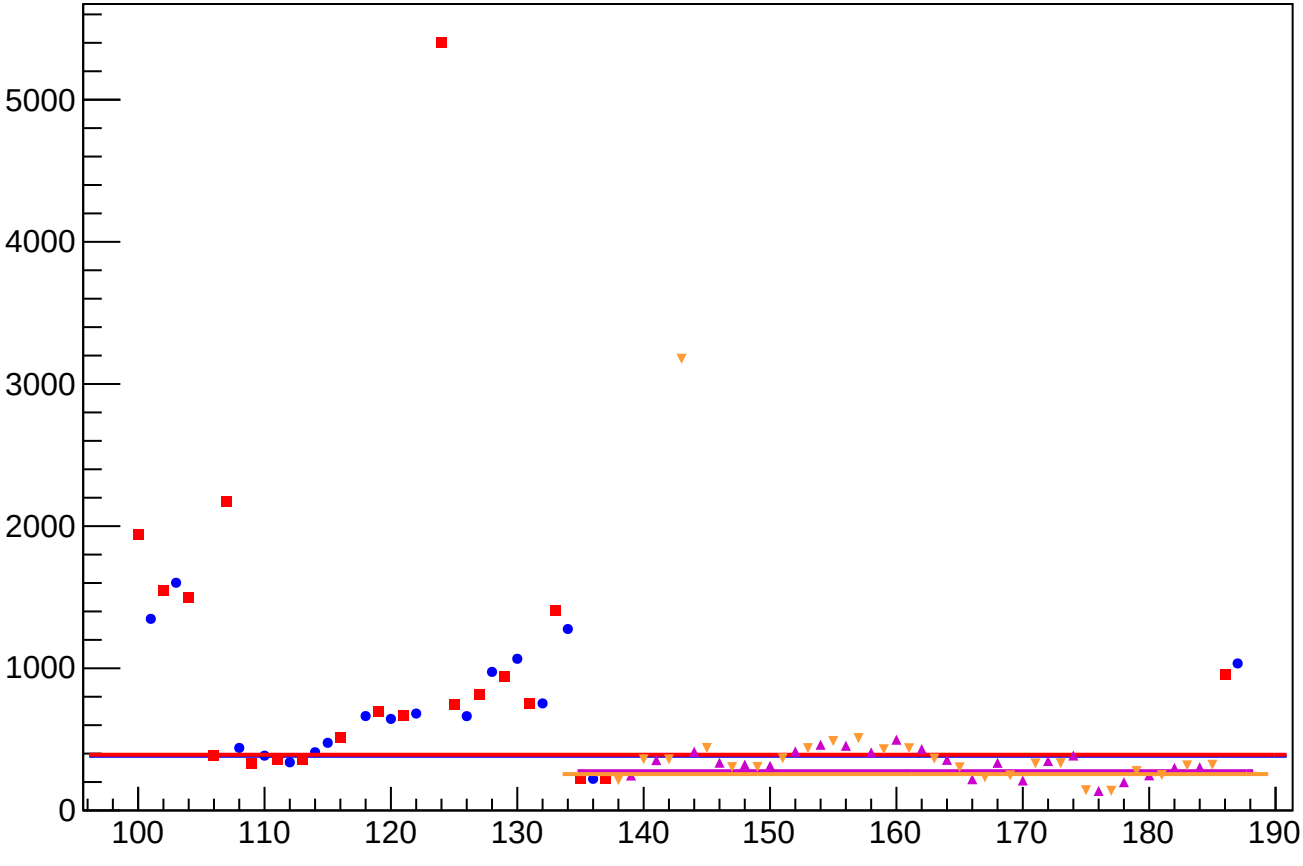
Right: -82.184+/-119.542 χ^2/NDF: 42.4/36

In: 46.981+/-63.783 χ^2/NDF:43.3/39

Out: -116.517+/-59.941 χ^2/NDF:66.2/44

All: -39.840+/-43.680 χ^2/NDF: 113.0/84

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 384.601+/-0.120 χ^2/NDF: 4464871.9/16

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 391.959+/-0.119 χ^2/NDF: 4849456.6/19

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

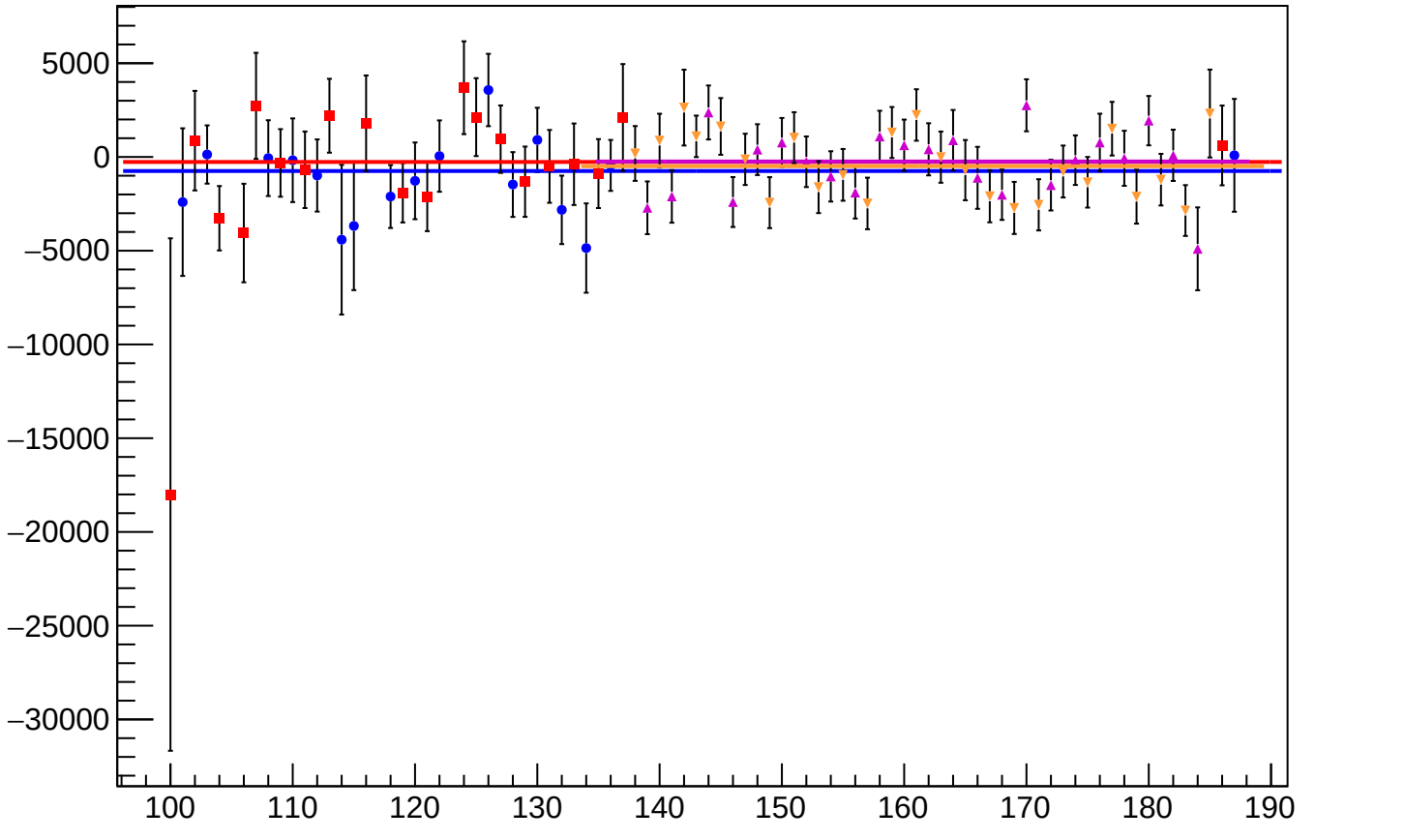
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 388.301+/-0.085 χ^2/NDF: 9316222.8/36

In: 291.626+/-0.045 χ^2/NDF:9192856.7/39

Out: 272.988+/-0.042 χ^2/NDF:12363751.2/44

All: 281.729+/-0.031 χ^2/NDF: 21647292.5/84



Right In: -749.324+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -266.027+/-470.674 χ^2/NDF: 18.1/19

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

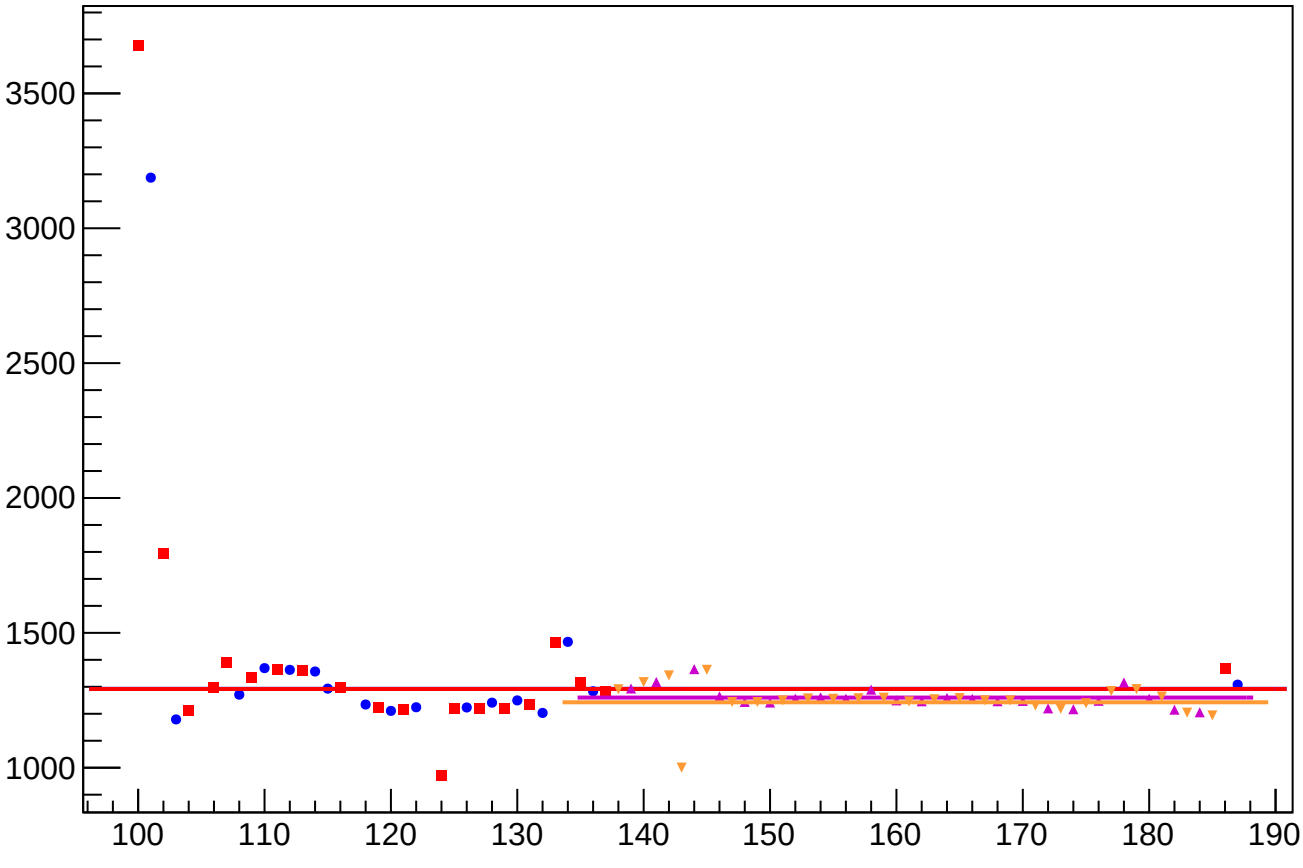
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -501.306+/-337.175 χ^2/NDF: 32.3/36

In: -379.283+/-251.381 χ^2/NDF:45.2/39

Out: -433.136+/-242.368 χ^2/NDF:52.5/44

All: -407.192+/-174.479 χ^2/NDF: 97.7/84



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.6/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

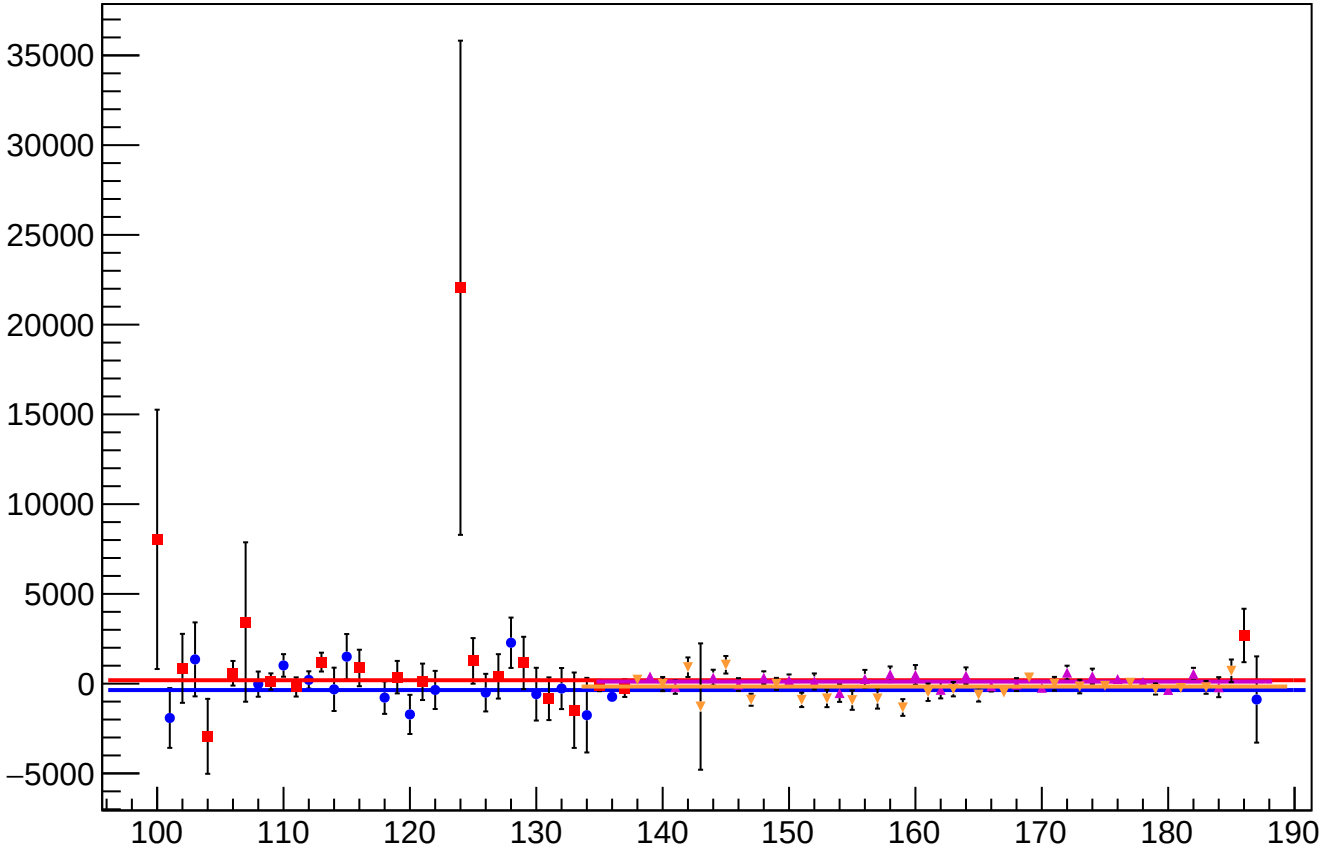
Right: 1292.174+/-0.238 χ^2/NDF: 721371.9/36

In: 1268.849+/-0.178 χ^2/NDF:543932.8/39

Out: 1255.631+/-0.171 χ^2/NDF:358104.5/44

All: 1261.999+/-0.123 χ^2/NDF: 904902.9/84

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -357.857+/-169.550 χ^2/NDF: 18.5/16

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 190.337+/-168.575 χ^2/NDF: 18.7/19

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

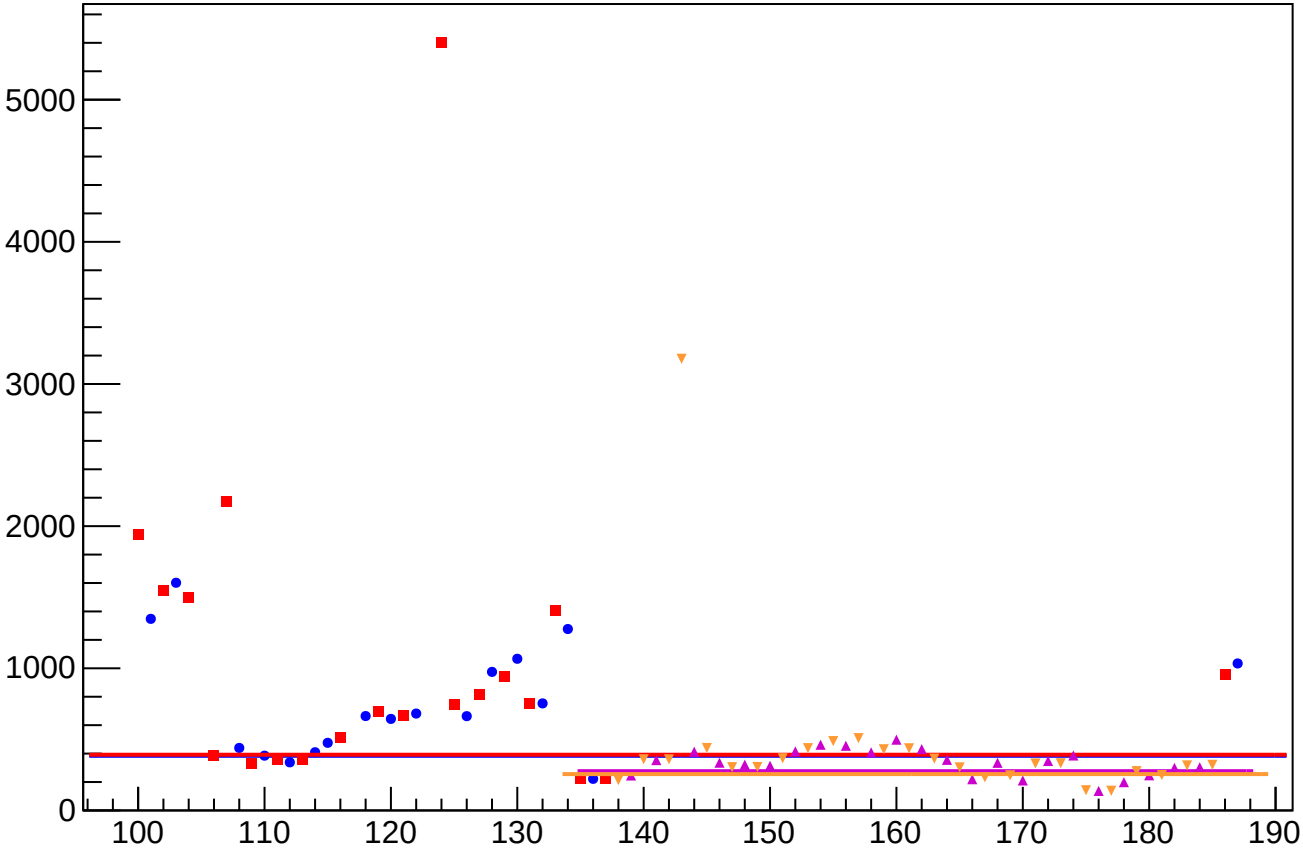
Right: -82.180+/-119.544 χ^2/NDF: 42.4/36

In: 46.981+/-63.784 χ^2/NDF:43.3/39

Out: -116.520+/-59.942 χ^2/NDF:66.2/44

All: -39.842+/-43.680 χ^2/NDF: 113.0/84

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 384.611+/-0.120 χ^2/NDF: 4464683.2/16

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 391.967+/-0.119 χ^2/NDF: 4849305.3/19

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

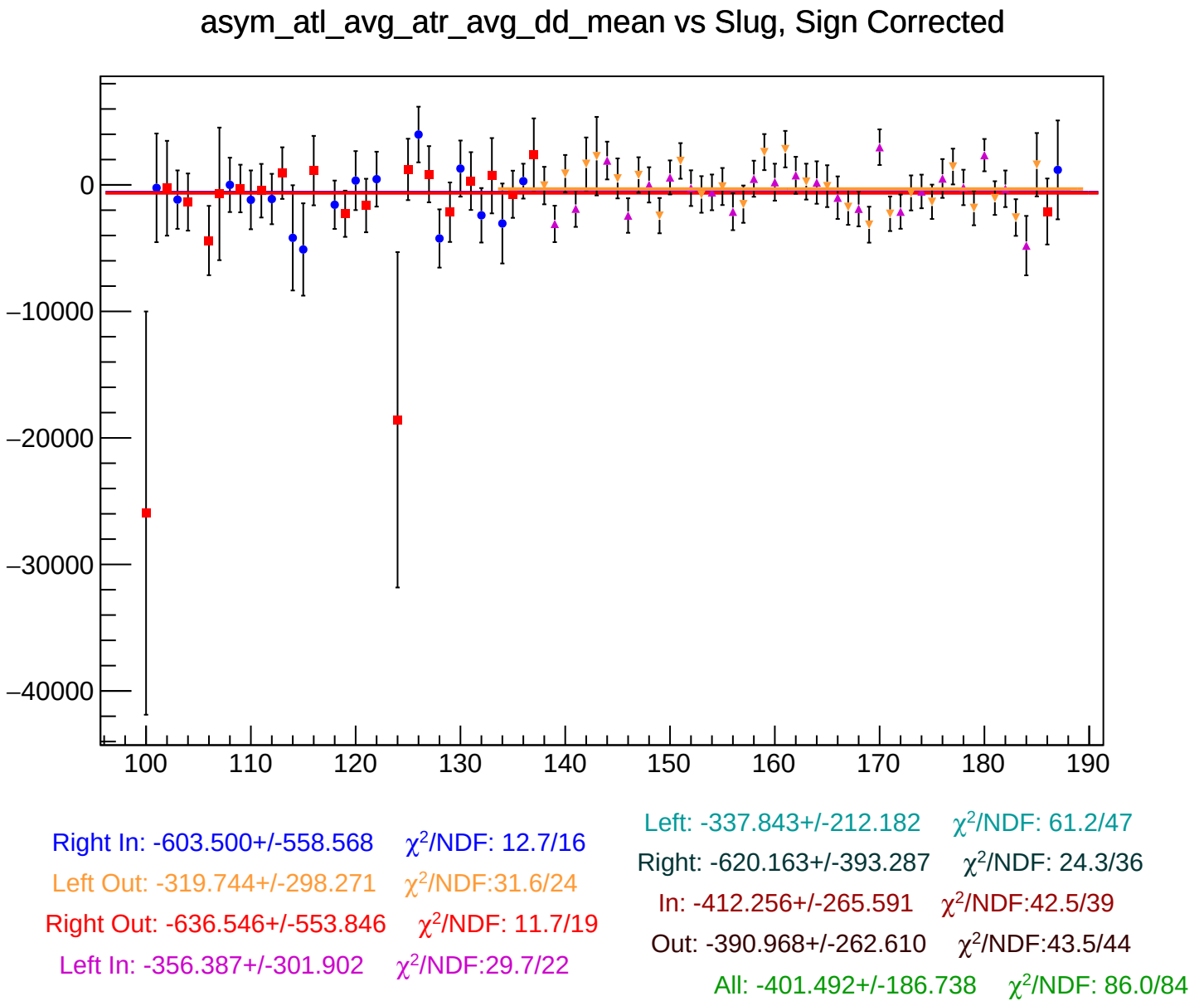
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 388.310+/-0.085 χ^2/NDF: 9315881.6/36

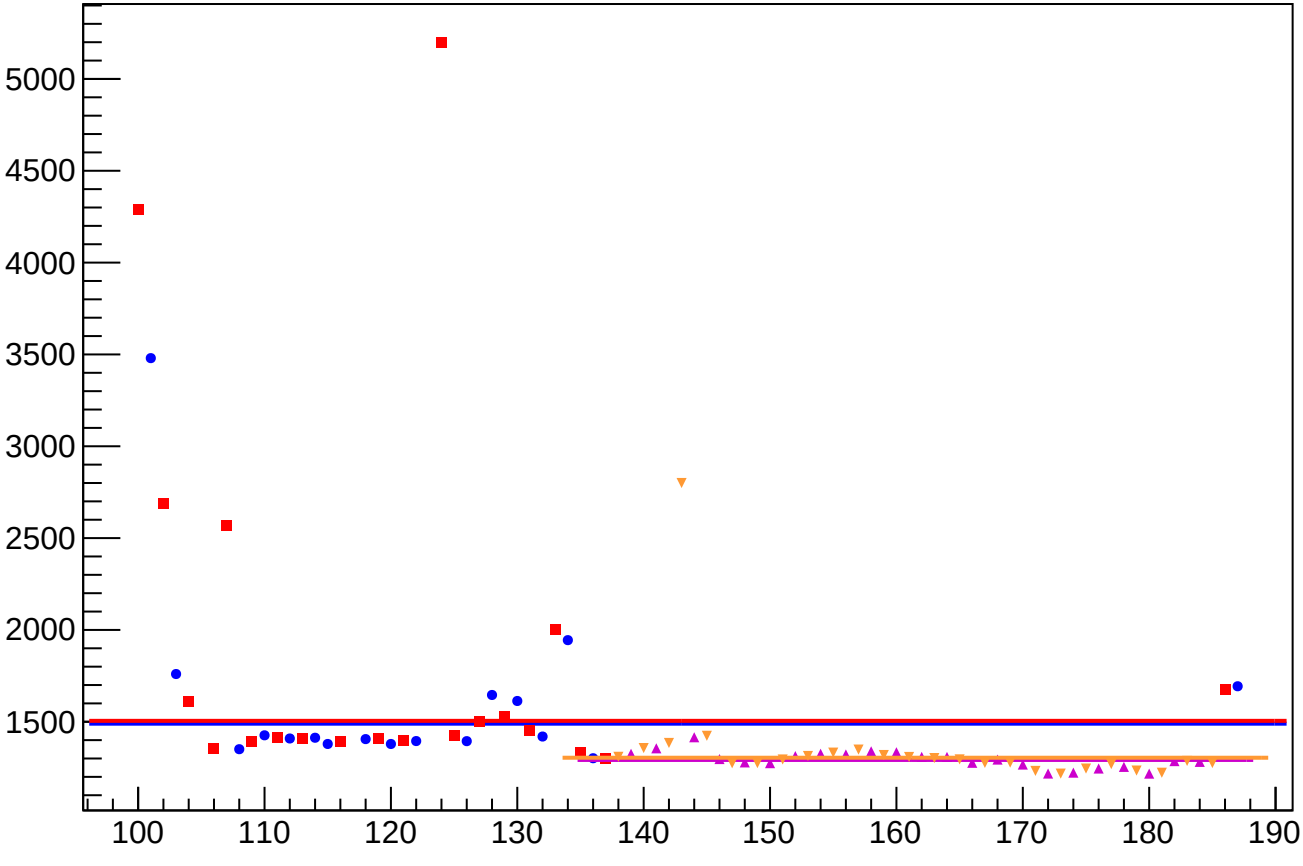
In: 291.627+/-0.045 χ^2/NDF:9192732.2/39

Out: 272.990+/-0.042 χ^2/NDF:12363584.5/44

All: 281.730+/-0.031 χ^2/NDF: 21646996.4/84


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -603.500+/-558.568 χ²/NDF: 12.7/16
Left Out: -319.744+/-298.271 χ²/NDF:31.6/24
Right Out: -636.546+/-553.846 χ²/NDF: 11.7/19
Left In: -356.387+/-301.902 χ²/NDF:29.7/22
Left: -337.843+/-212.182 χ²/NDF: 61.2/47
Right: -620.163+/-393.287 χ²/NDF: 24.3/36
In: -412.256+/-265.591 χ²/NDF:42.5/39
Out: -390.968+/-262.610 χ²/NDF:43.5/44
All: -401.492+/-186.738 χ²/NDF: 86.0/84

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1489.621+/-0.395 χ^2/NDF: 590020.8/16

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1504.994+/-0.392 χ^2/NDF: 632414.9/19

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

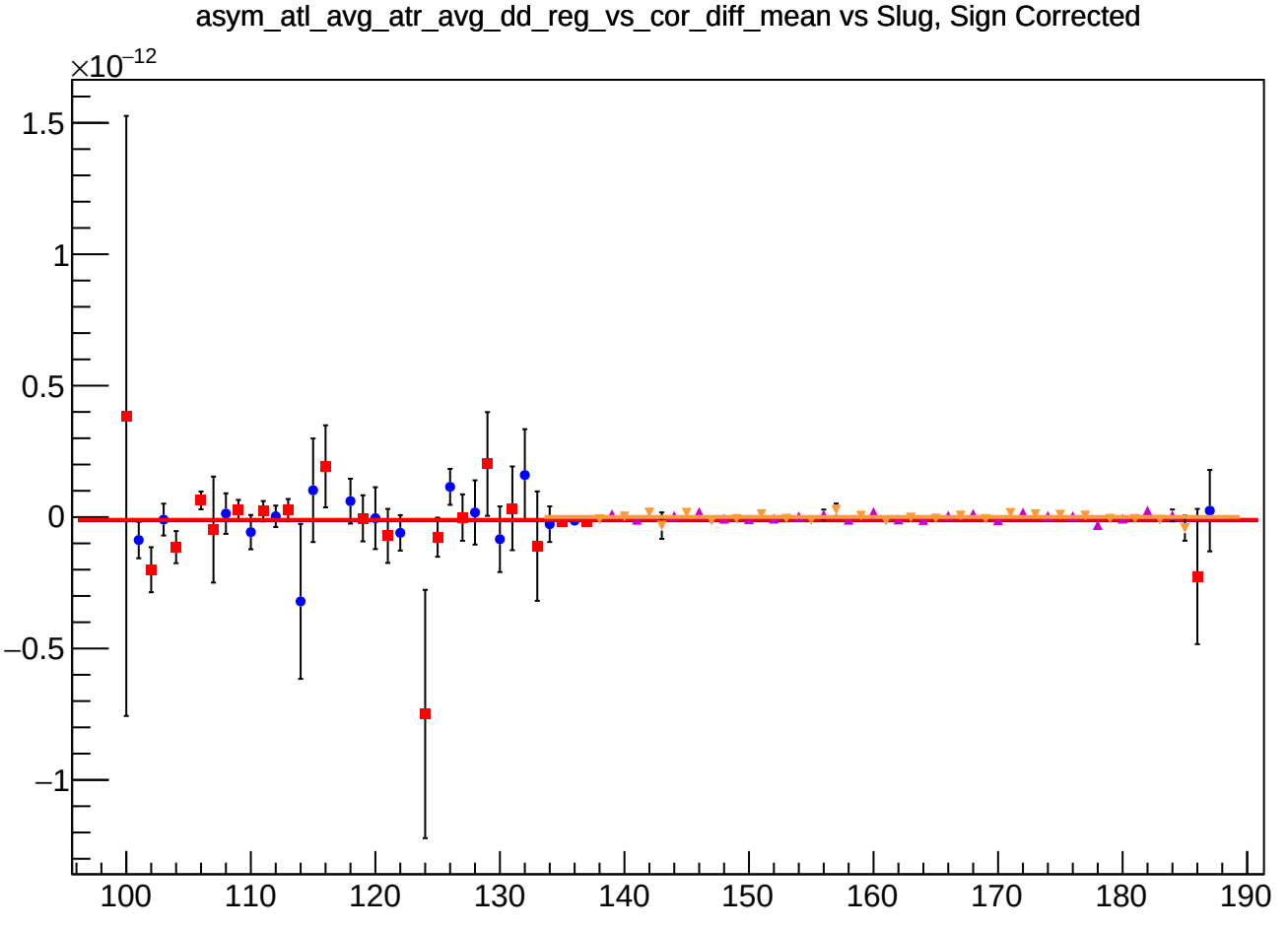
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1497.373+/-0.278 χ^2/NDF: 1223199.6/36

In: 1336.775+/-0.188 χ^2/NDF:831871.3/39

Out: 1349.310+/-0.186 χ^2/NDF:1355891.2/44

All: 1343.113+/-0.132 χ^2/NDF: 2190015.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/19

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

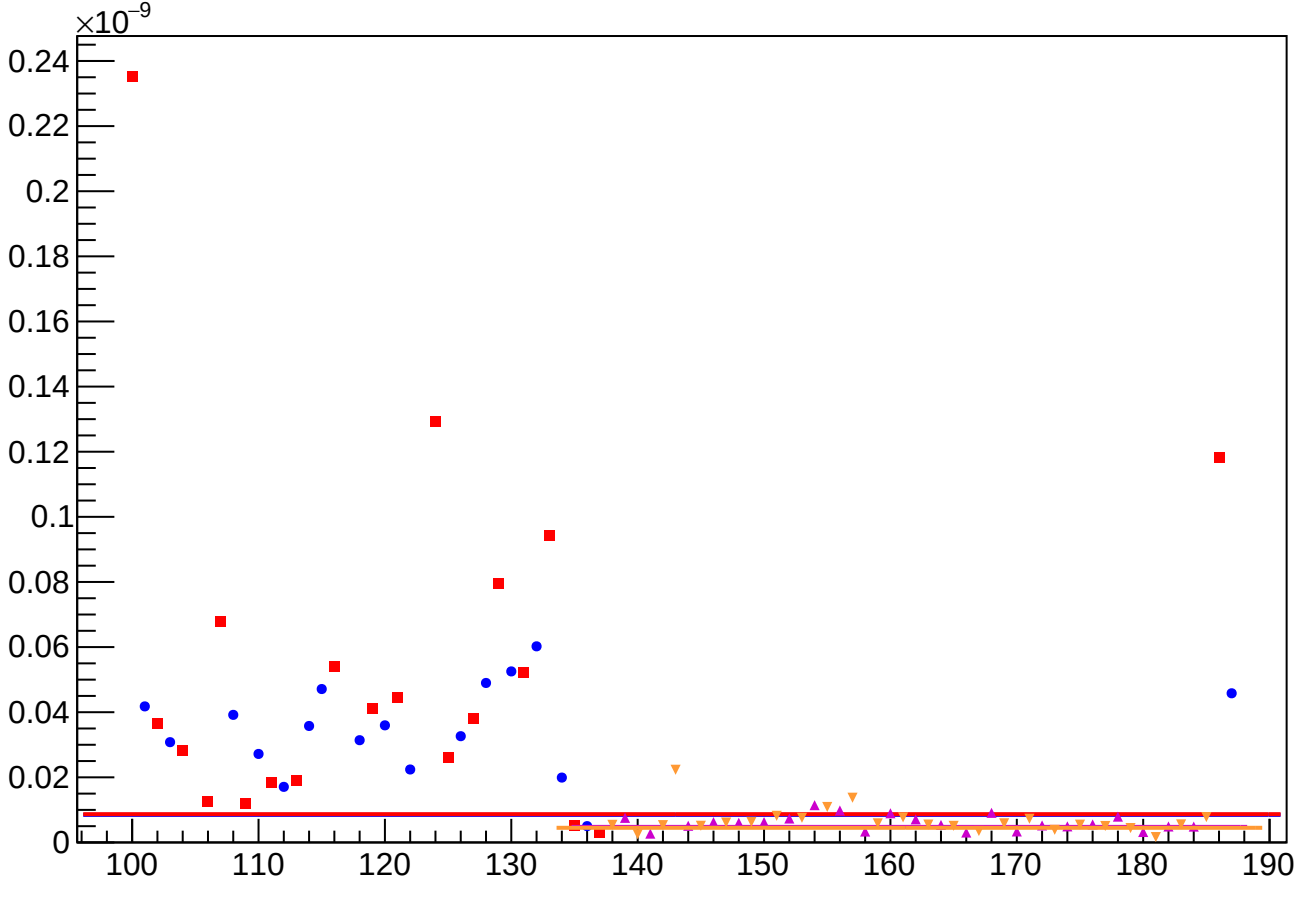
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 32.5/36

In: -0.000+/-0.000 χ^2/NDF:41.3/39

Out: 0.000+/-0.000 χ^2/NDF:49.1/44

All: -0.000+/-0.000 χ^2/NDF: 90.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 3176393.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3711165.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

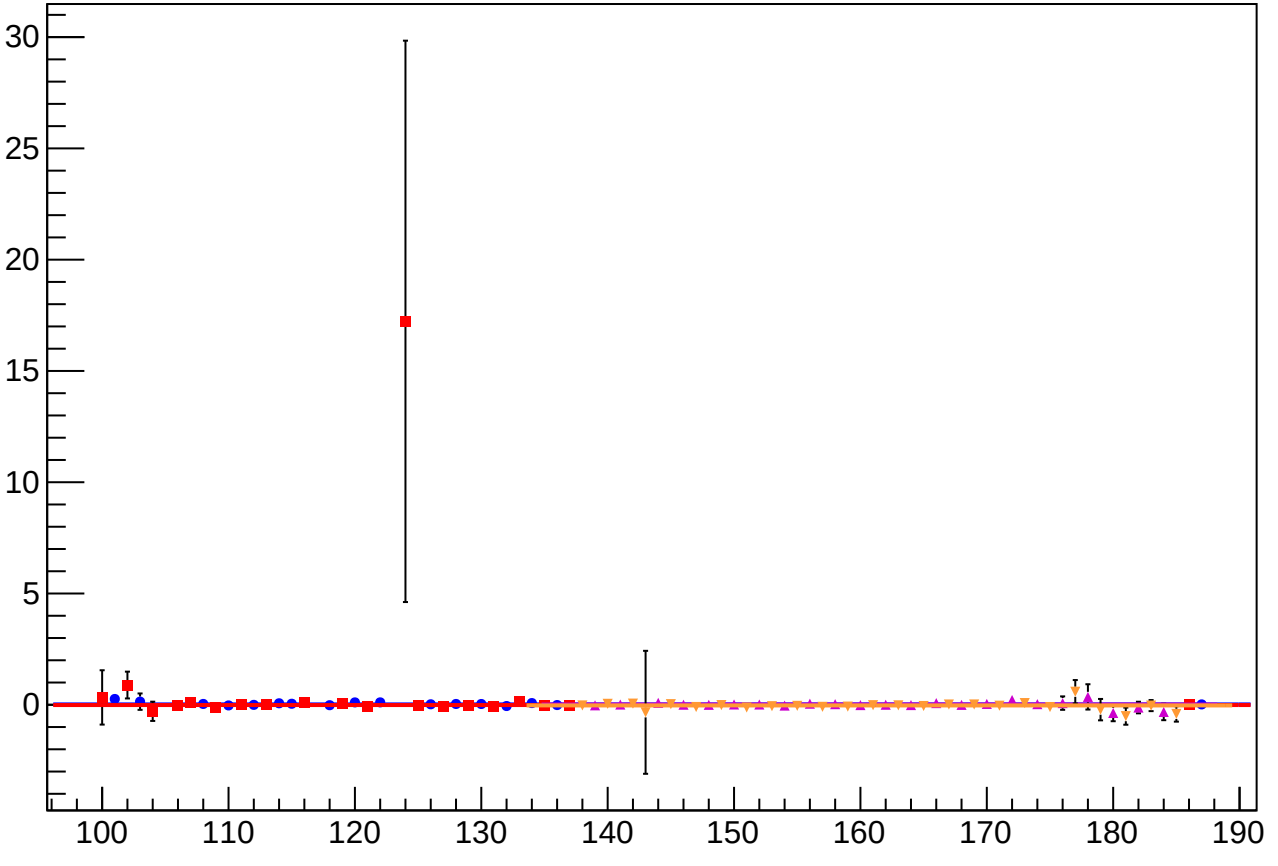
Right: 0.000+/-0.000 χ^2/NDF: 6888365.5/36

In: 0.000+/-0.000 χ^2/NDF:5520824.1/39

Out: 0.000+/-0.000 χ^2/NDF:6943286.3/44

All: 0.000+/-0.000 χ^2/NDF: 12491906.2/84

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

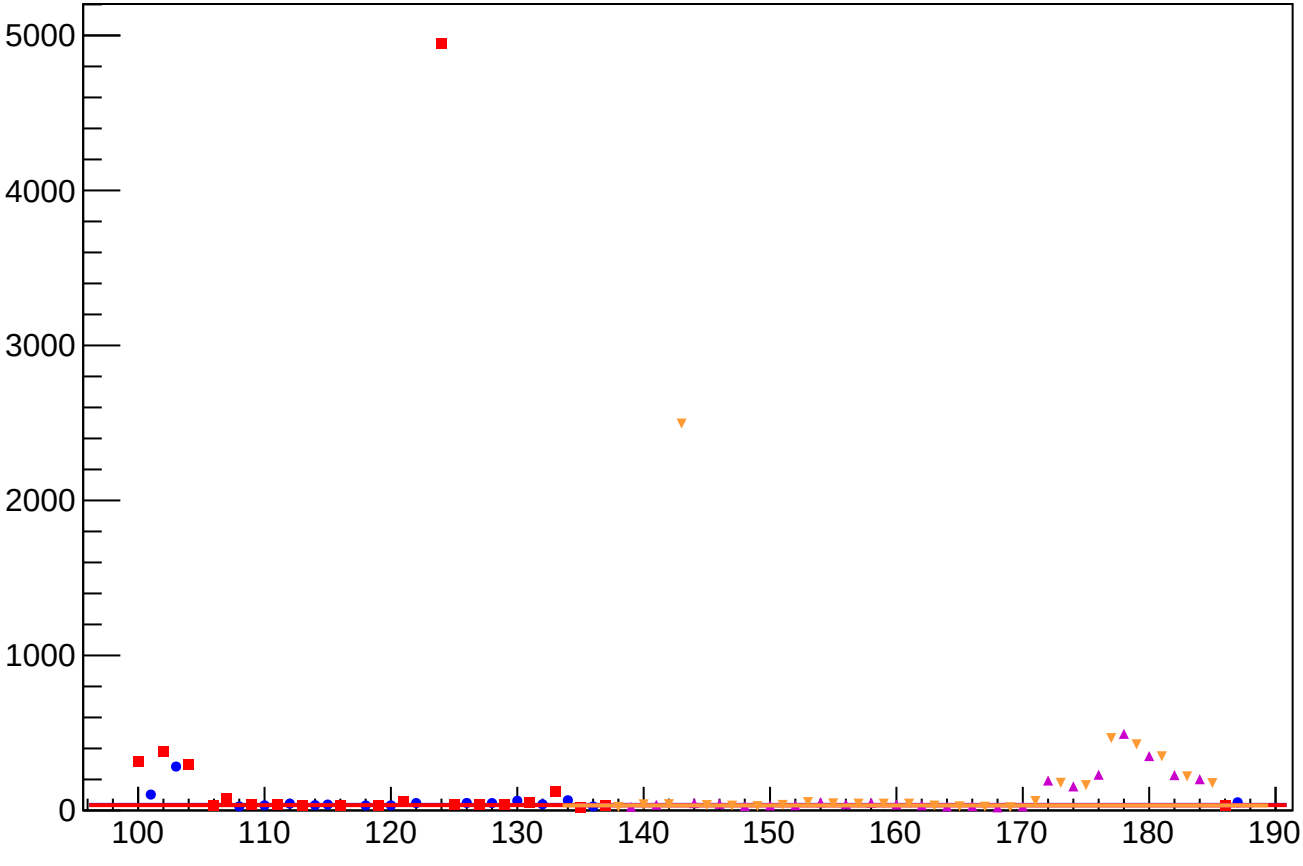
Right: 0.002+/-0.011 χ^2/NDF: 29.5/36

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.005+/-0.006 χ^2/NDF: 79.8/84

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

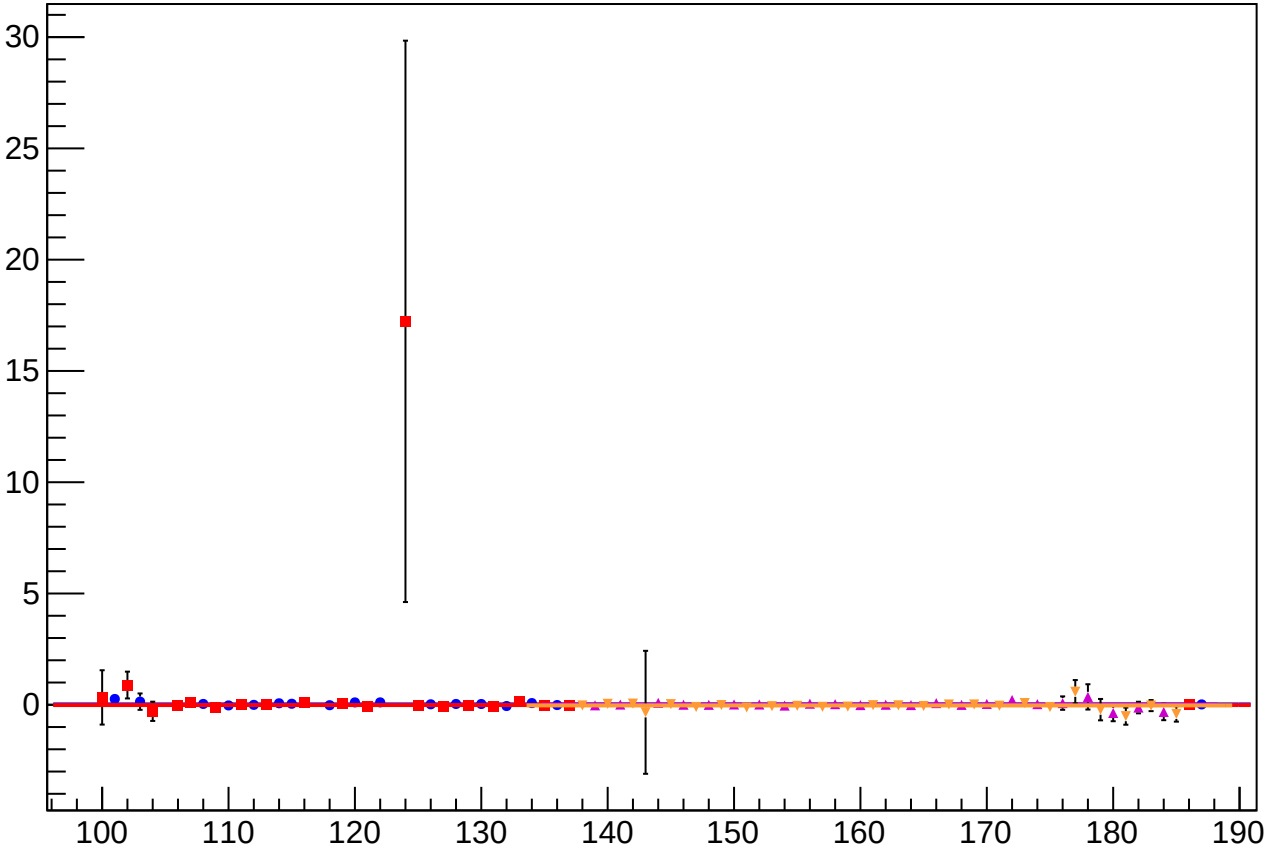
Right: 35.140+/-0.008 χ^2/NDF: 5249857.0/36

In: 33.642+/-0.006 χ^2/NDF:11328692.6/39

Out: 33.060+/-0.006 χ^2/NDF:13829140.2/44

All: 33.350+/-0.004 χ^2/NDF: 25163043.7/84

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: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

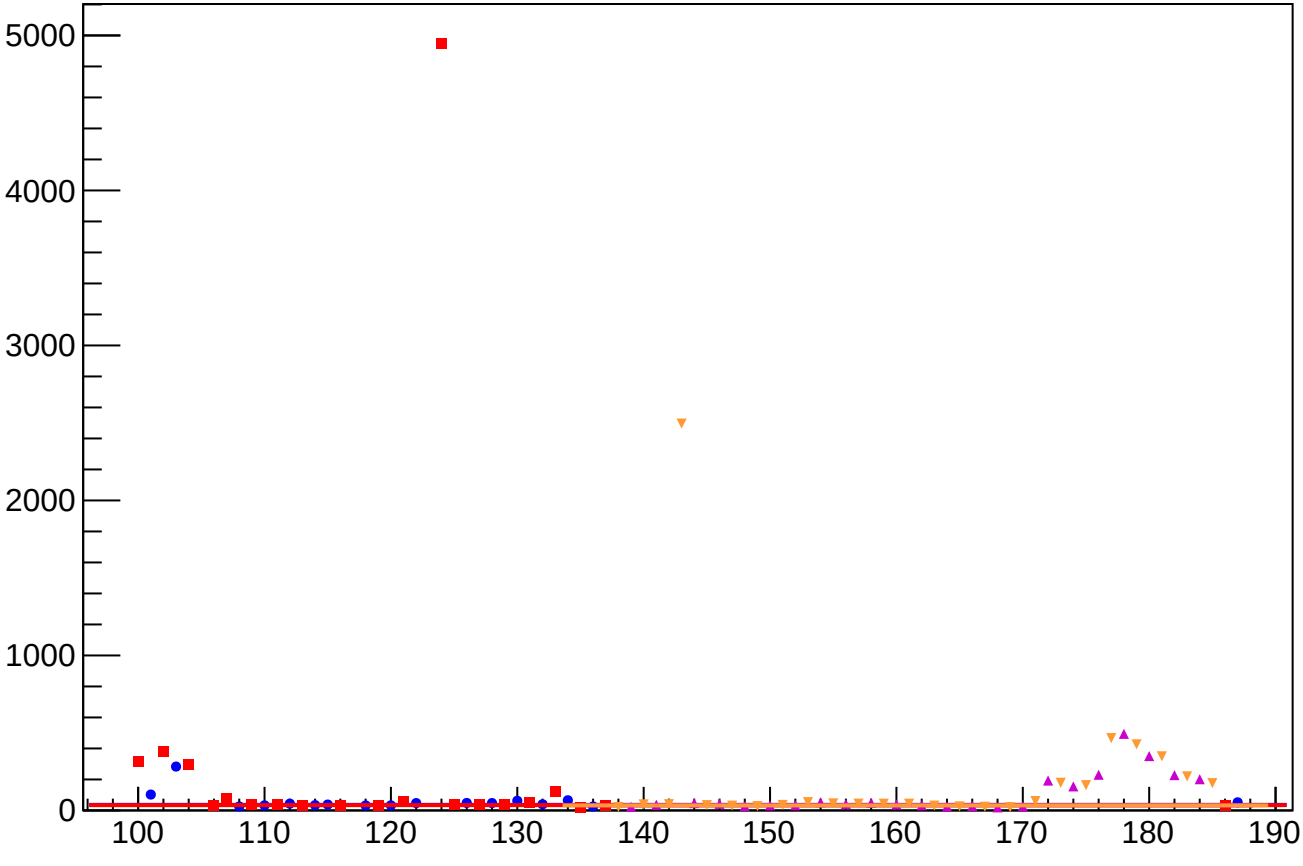
Right: 0.002+/-0.011 χ^2/NDF: 29.5/36

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.005+/-0.006 χ^2/NDF: 79.8/84

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

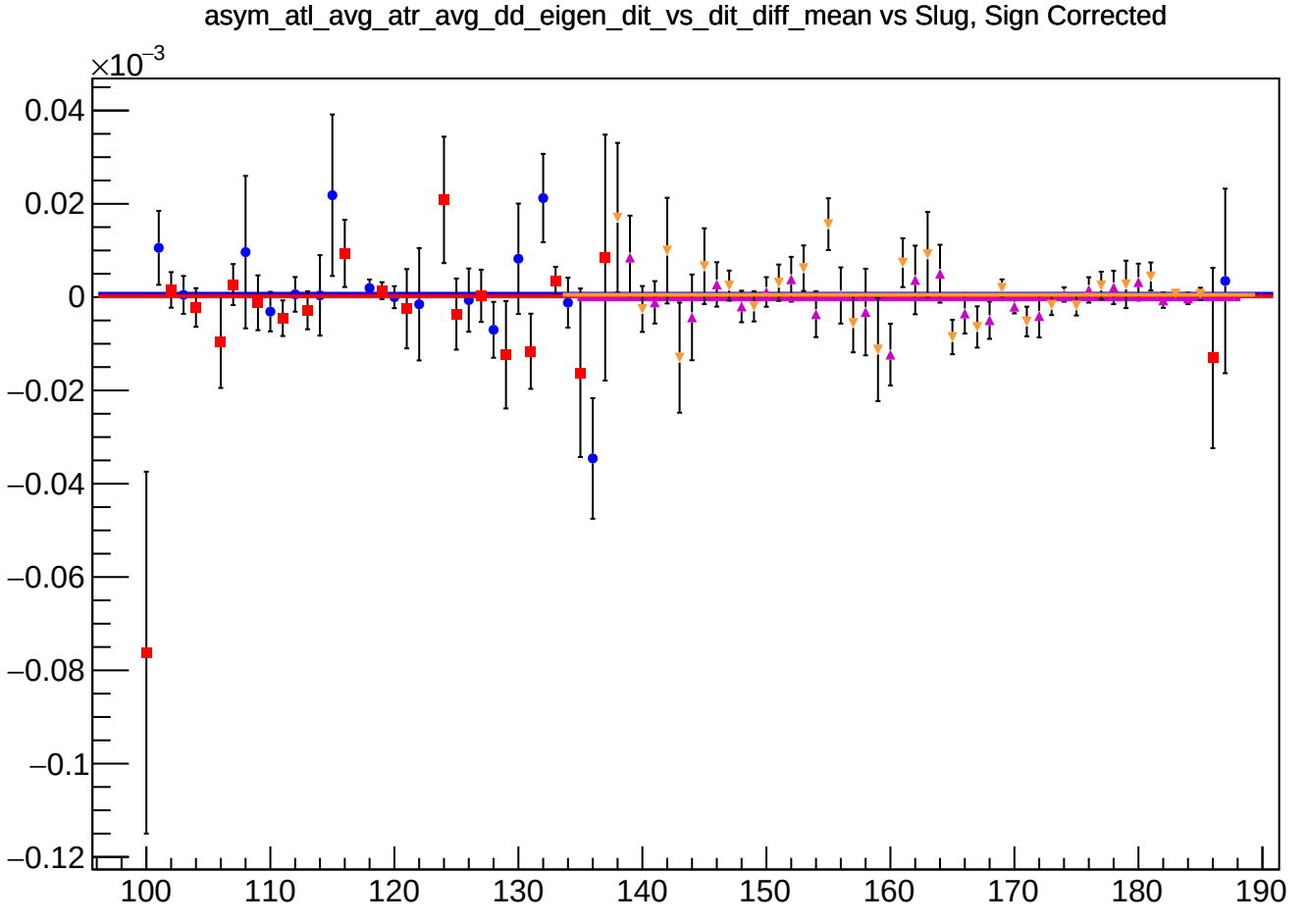
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.140+/-0.008 χ^2/NDF: 5249857.0/36

In: 33.642+/-0.006 χ^2/NDF:11328692.6/39

Out: 33.060+/-0.006 χ^2/NDF:13829140.2/44

All: 33.350+/-0.004 χ^2/NDF: 25163043.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/19

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

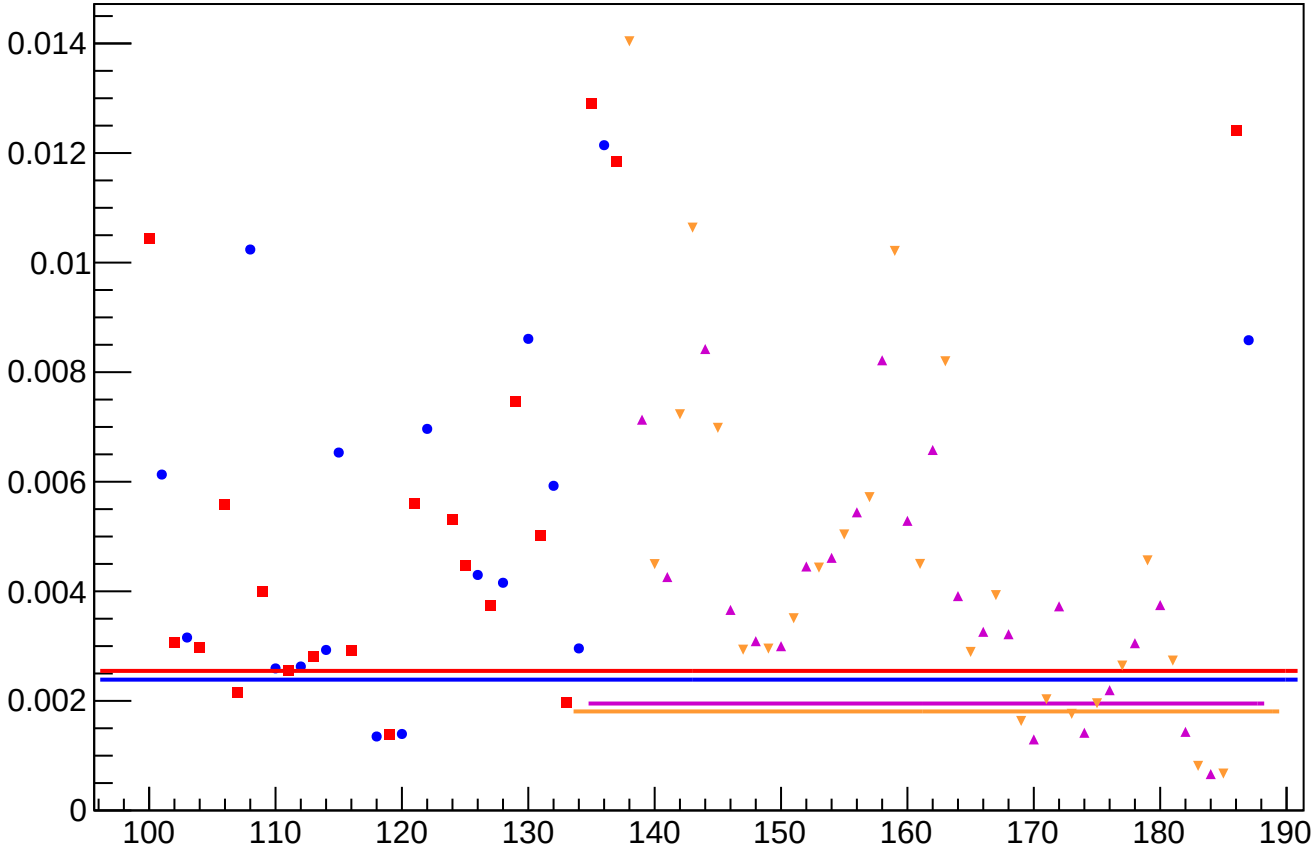
Right: 0.000+/-0.000 χ^2/NDF: 37.8/36

In: -0.000+/-0.000 χ^2/NDF:33.7/39

Out: 0.000+/-0.000 χ^2/NDF:54.4/44

All: 0.000+/-0.000 χ^2/NDF: 88.8/84

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4918460.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3919937.4/19

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

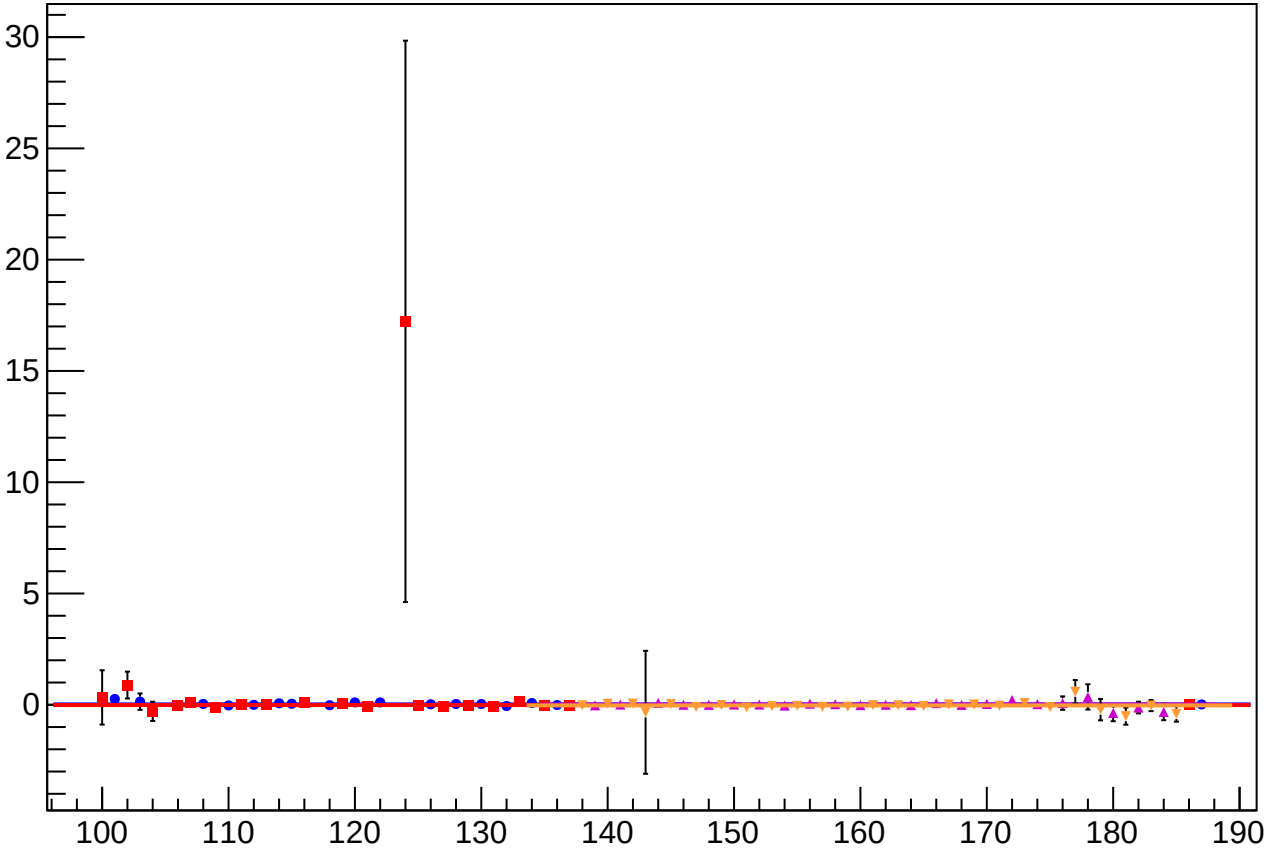
Right: 0.002+/-0.000 χ^2/NDF: 8860100.9/36

In: 0.002+/-0.000 χ^2/NDF:16639696.7/39

Out: 0.002+/-0.000 χ^2/NDF:19627746.8/44

All: 0.002+/-0.000 χ^2/NDF: 36296468.3/84

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: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

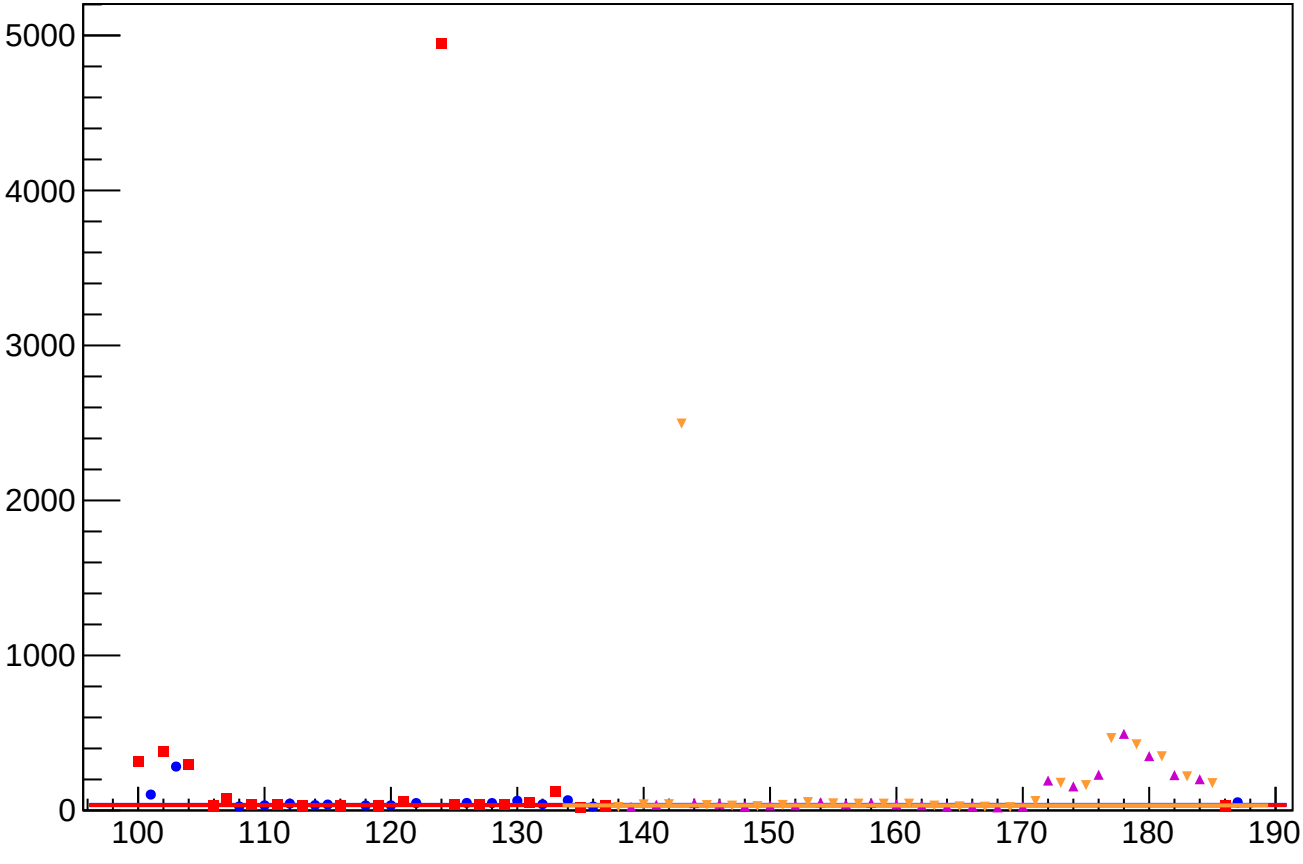
Right: 0.002+/-0.011 χ^2/NDF: 29.5/36

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/84

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

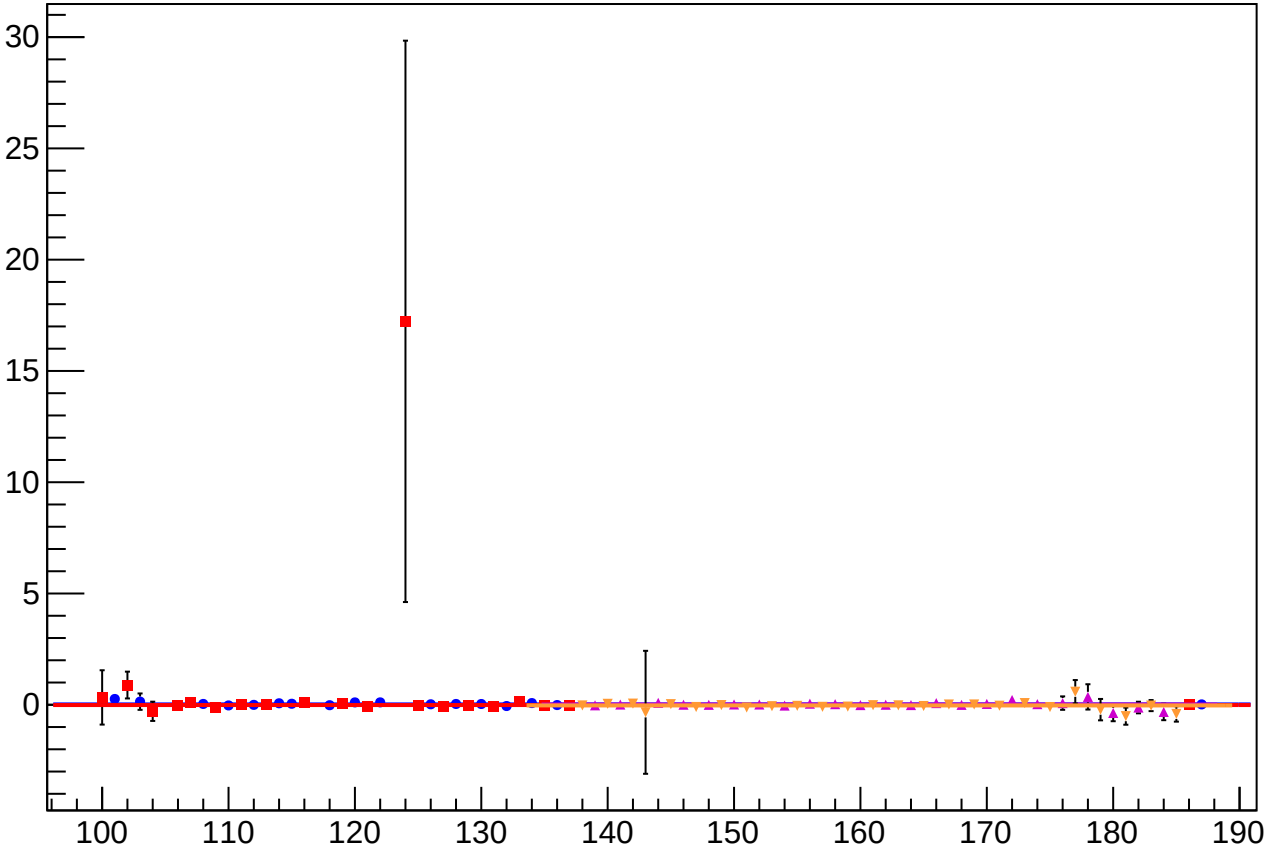
Right: 35.142+/-0.008 χ^2/NDF: 5249414.9/36

In: 33.641+/-0.006 χ^2/NDF:11329143.8/39

Out: 33.060+/-0.006 χ^2/NDF:13829259.9/44

All: 33.349+/-0.004 χ^2/NDF: 25163602.9/84

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: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

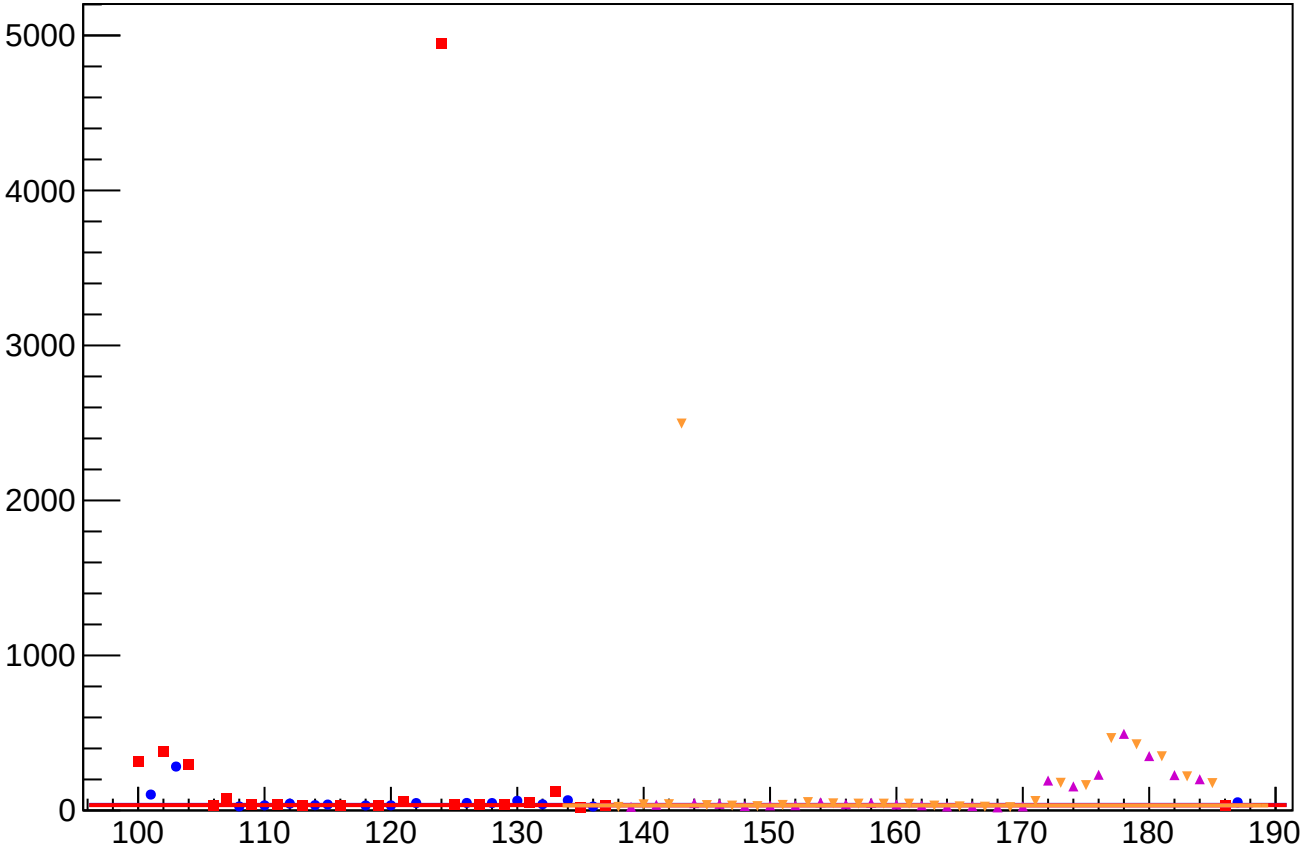
Right: 0.002+/-0.011 χ^2/NDF: 29.5/36

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/84

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

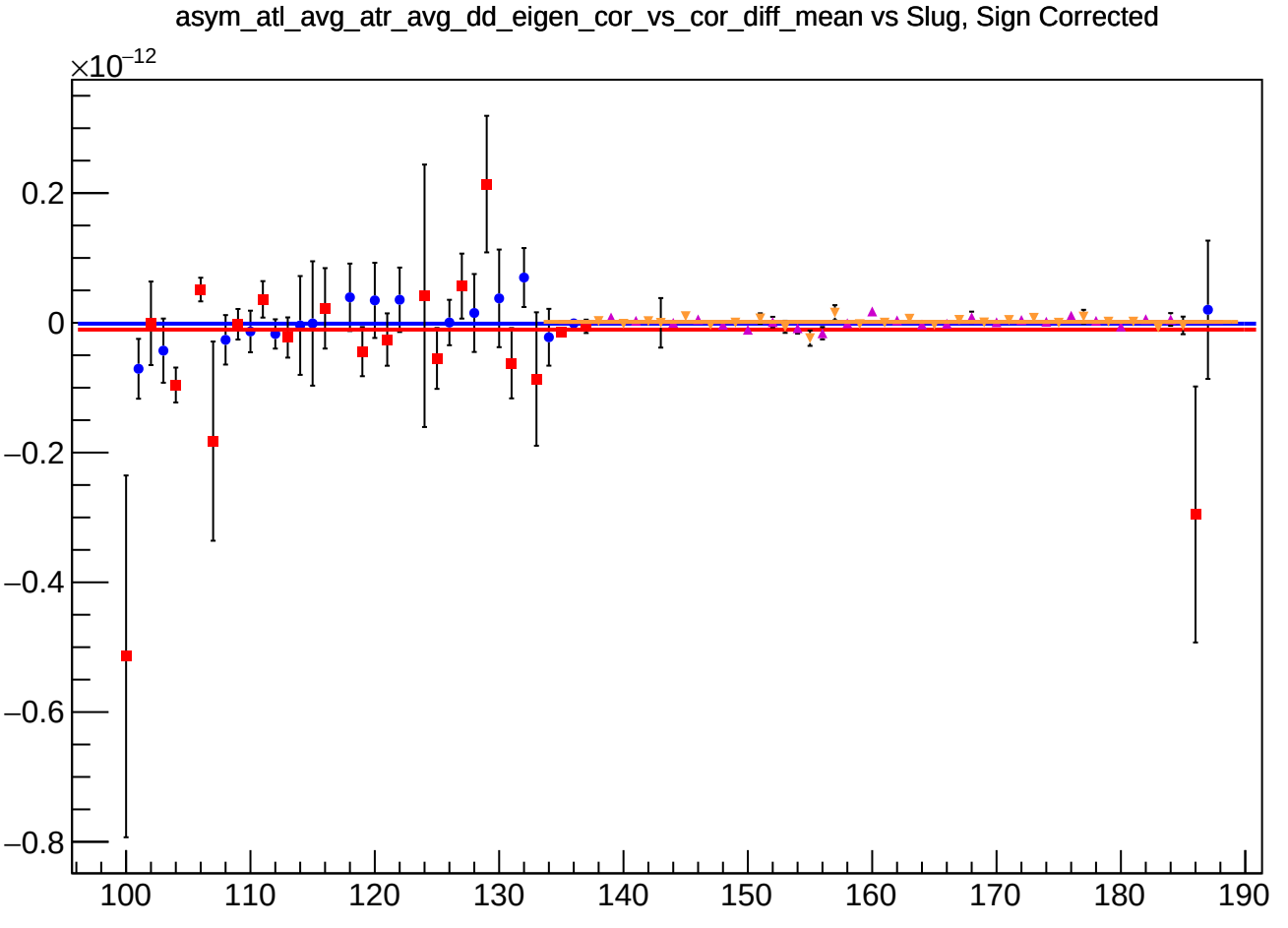
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 35.142+/-0.008 χ^2/NDF: 5249414.9/36

In: 33.641+/-0.006 χ^2/NDF:11329143.8/39

Out: 33.060+/-0.006 χ^2/NDF:13829259.9/44

All: 33.349+/-0.004 χ^2/NDF: 25163602.9/84



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.0/19

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

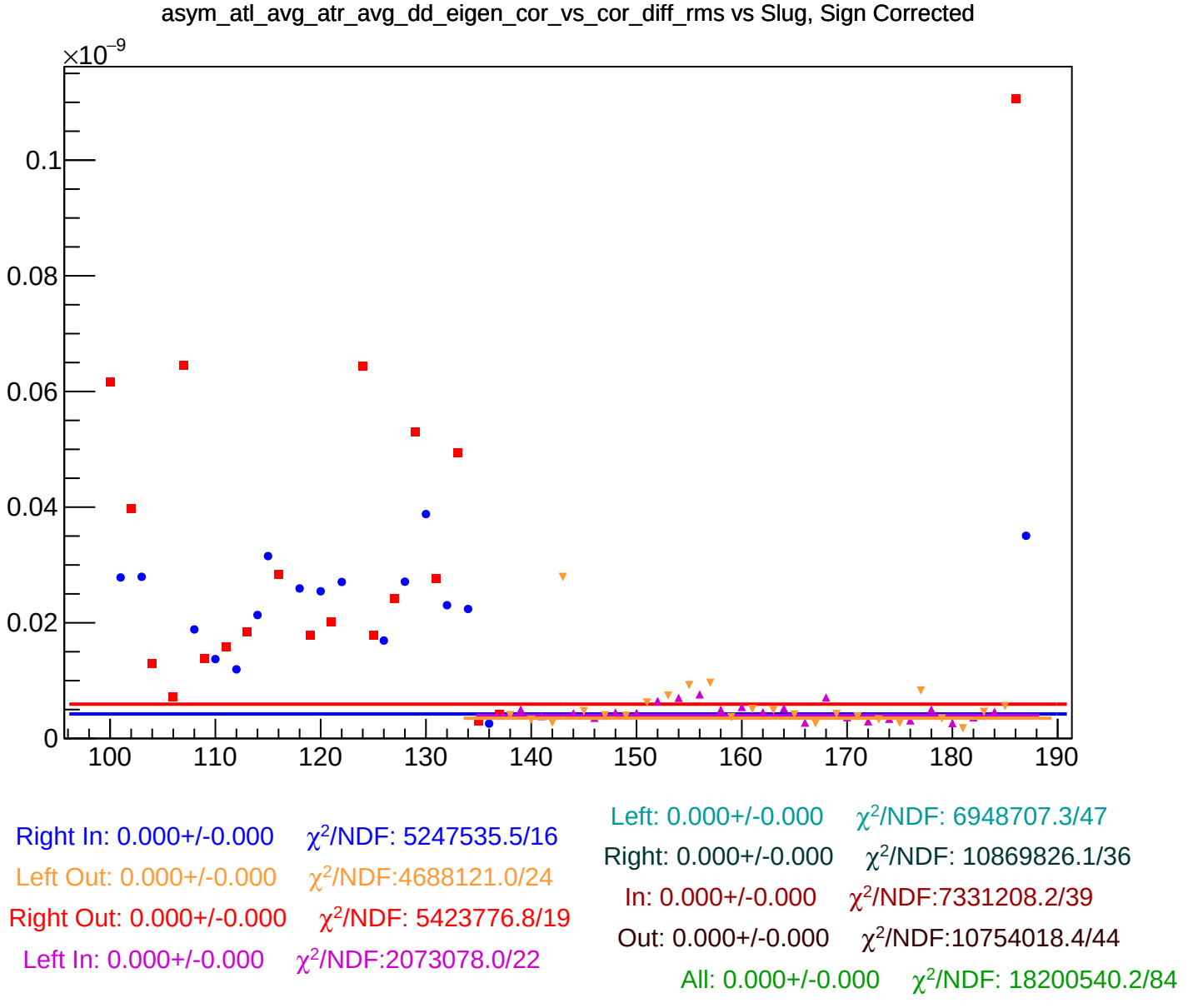
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

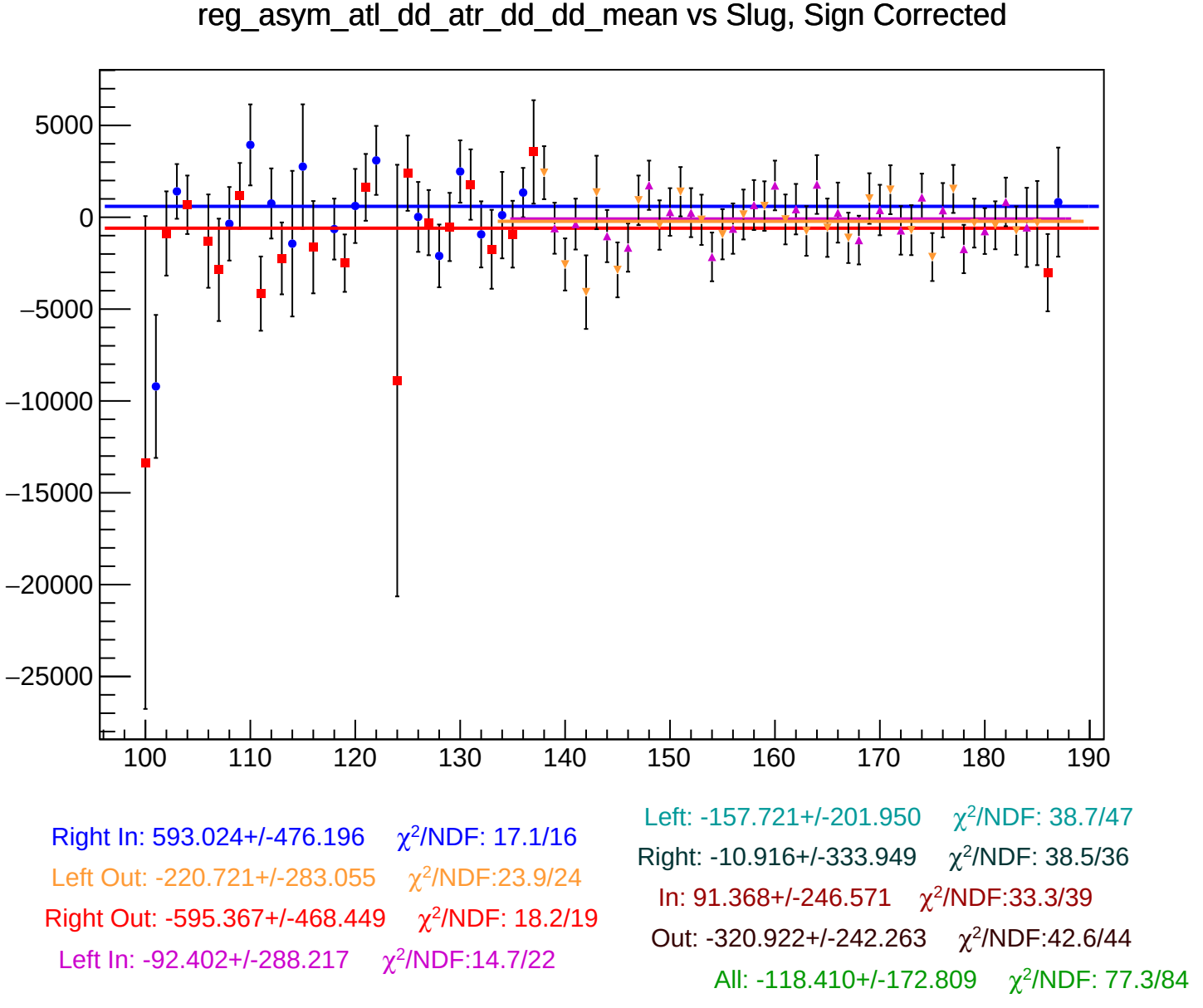
Right: -0.000+/-0.000 χ^2/NDF: 53.5/36

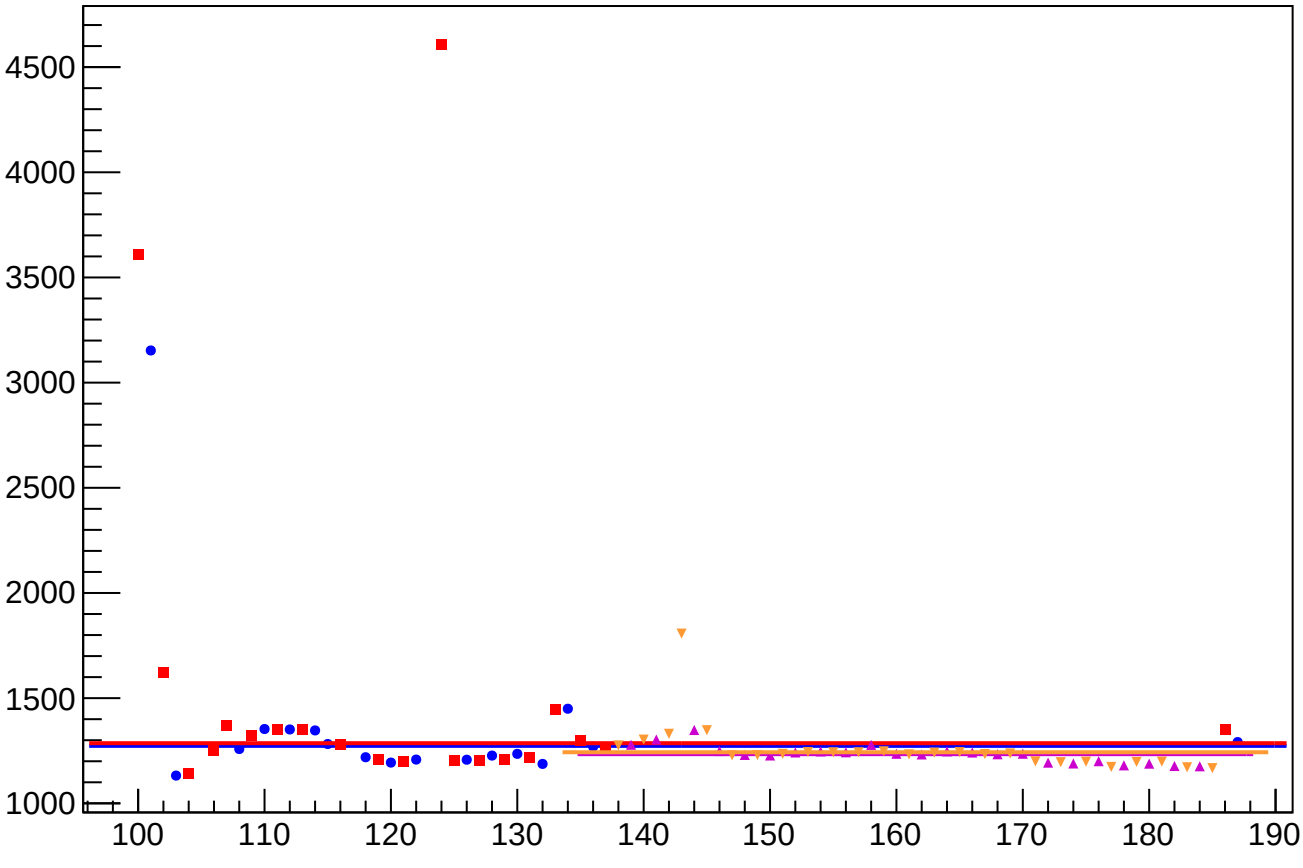
In: 0.000+/-0.000 χ^2/NDF:37.8/39

Out: 0.000+/-0.000 χ^2/NDF:67.7/44

All: 0.000+/-0.000 χ^2/NDF: 105.5/84


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5247535.5/16
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 5423776.8/19
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 10869826.1/36
In: 0.000+/-0.000 χ²/NDF:7331208.2/39
Out: 0.000+/-0.000 χ²/NDF:10754018.4/44
All: 0.000+/-0.000 χ²/NDF: 18200540.2/84


reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 593.024+/-476.196 χ²/NDF: 17.1/16
Left Out: -220.721+/-283.055 χ²/NDF:23.9/24
Right Out: -595.367+/-468.449 χ²/NDF: 18.2/19
Left In: -92.402+/-288.217 χ²/NDF:14.7/22
Left: -157.721+/-201.950 χ²/NDF: 38.7/47
Right: -10.916+/-333.949 χ²/NDF: 38.5/36
In: 91.368+/-246.571 χ²/NDF:33.3/39
Out: -320.922+/-242.263 χ²/NDF:42.6/44
All: -118.410+/-172.809 χ²/NDF: 77.3/84



Right In: 1273.276+/-0.337 χ^2/NDF: 519372.5/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1285.878+/-0.331 χ^2/NDF: 324234.7/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

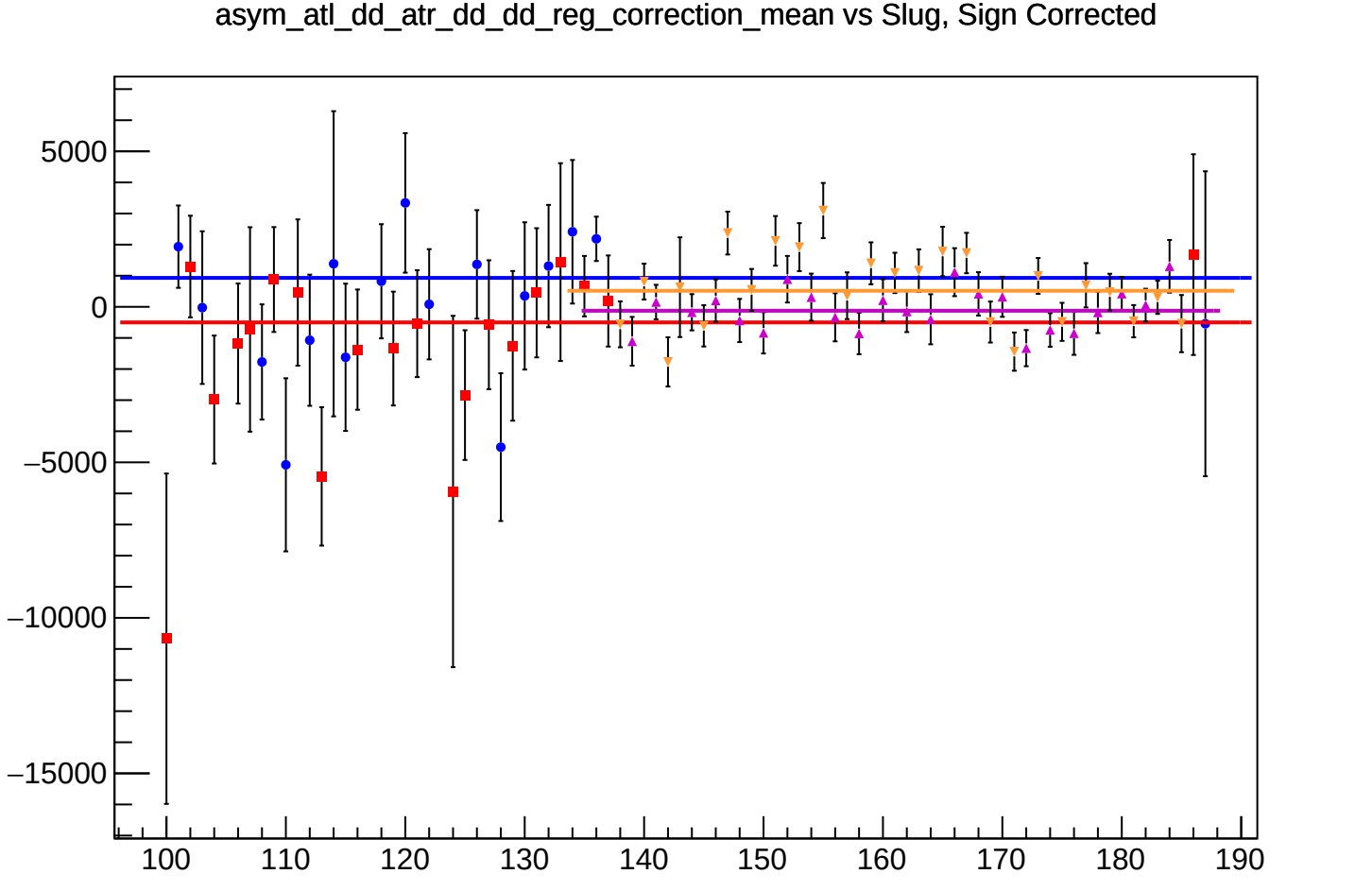
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1279.680+/-0.236 χ^2/NDF: 844319.2/36

In: 1244.349+/-0.174 χ^2/NDF:568738.0/39

Out: 1254.340+/-0.171 χ^2/NDF:539909.3/44

All: 1249.432+/-0.122 χ^2/NDF: 1110318.0/84



Right In: 930.636+/-424.240 χ^2/NDF: 20.0/16

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -500.117+/-435.872 χ^2/NDF: 17.6/19

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

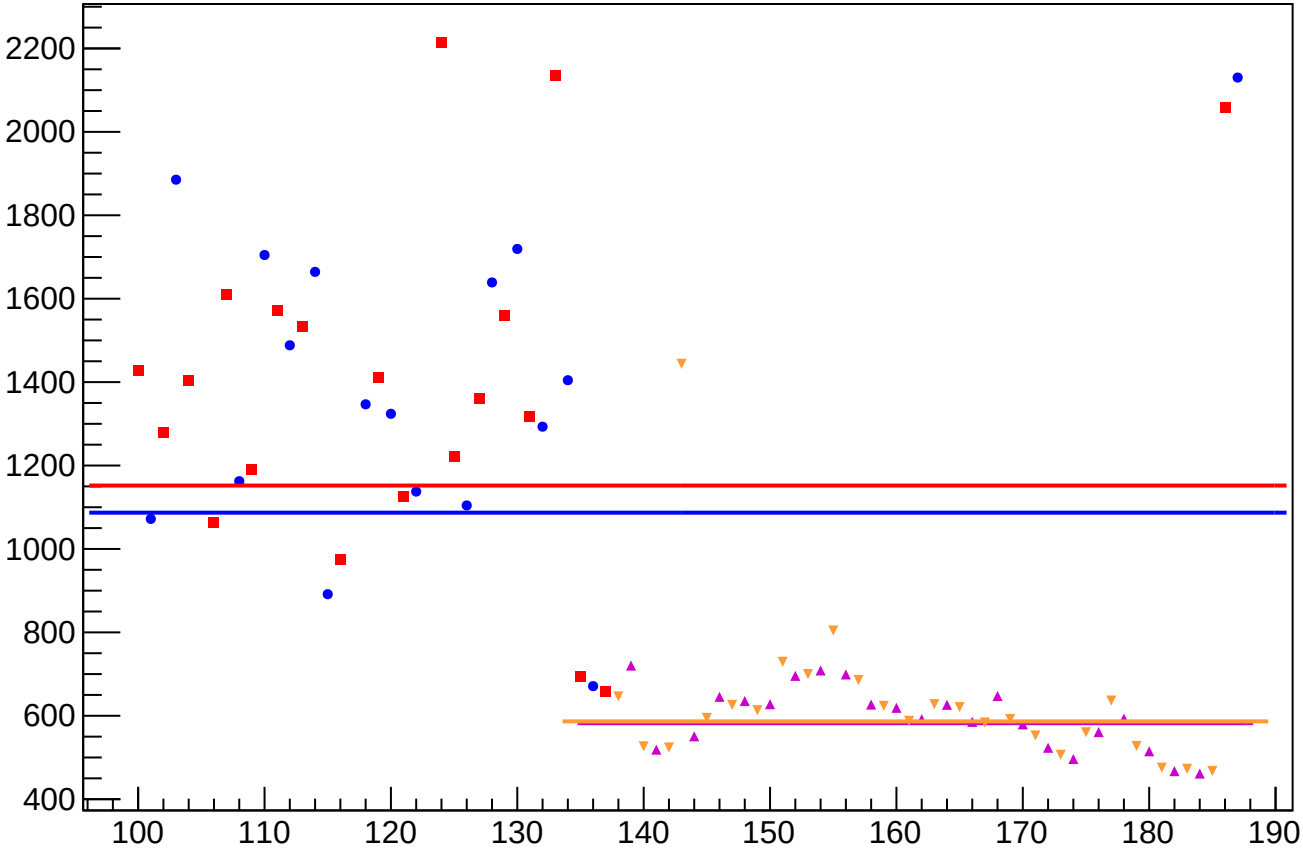
Right: 234.605+/-304.012 χ^2/NDF: 43.2/36

In: -26.379+/-130.600 χ^2/NDF:47.2/39

Out: 426.880+/-129.606 χ^2/NDF:89.6/44

All: 201.982+/-91.995 χ^2/NDF: 142.9/84

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1086.989+/-0.300 χ^2/NDF: 1573454.6/16

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1152.023+/-0.308 χ^2/NDF: 1454083.5/19

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

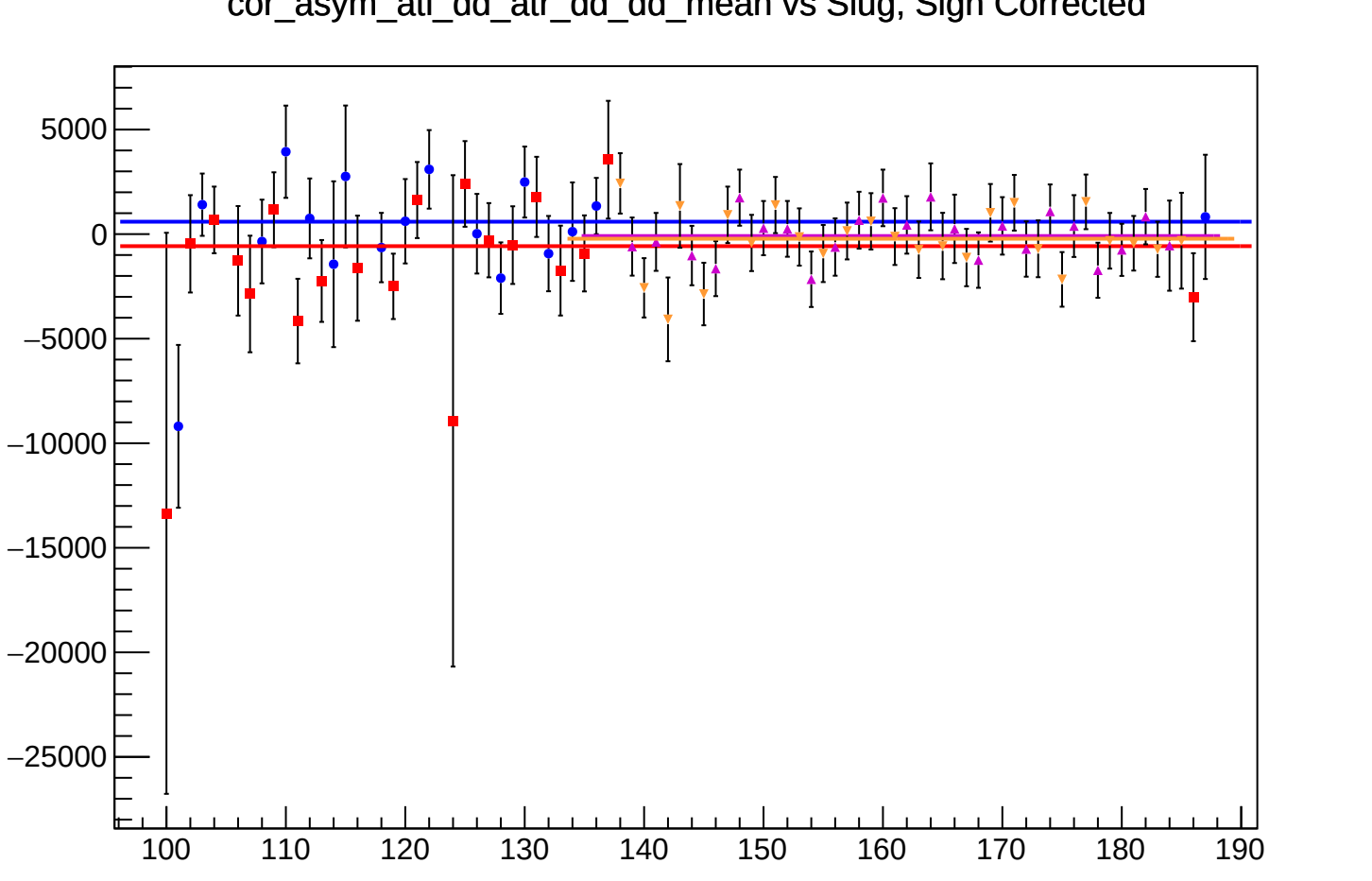
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1118.627+/-0.215 χ^2/NDF: 3050402.8/36

In: 630.029+/-0.092 χ^2/NDF:4696033.9/39

Out: 636.554+/-0.092 χ^2/NDF:5725472.8/44

All: 633.317+/-0.065 χ^2/NDF: 10424021.6/84



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -576.199+/-469.207 χ^2/NDF: 18.2/19

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

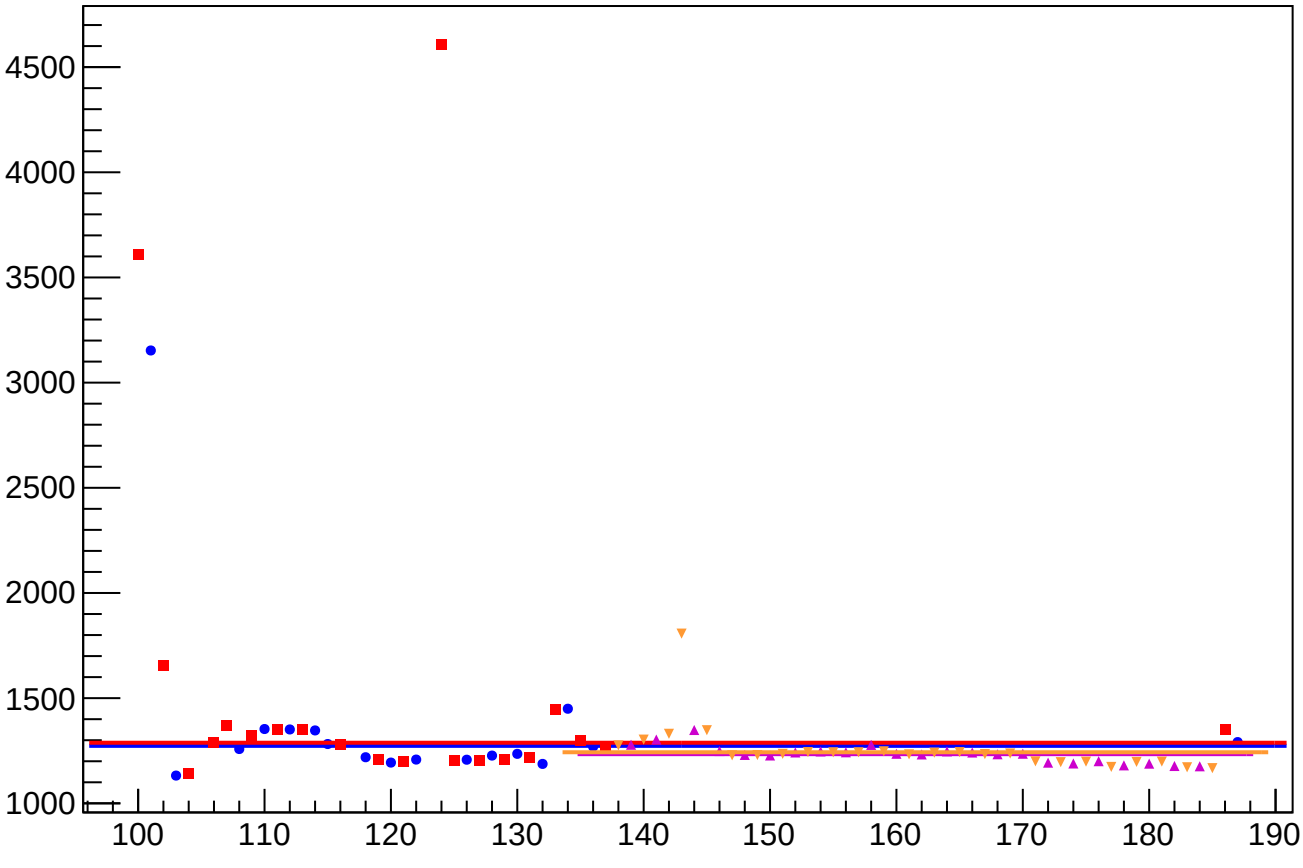
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -0.076+/-334.223 χ^2/NDF: 38.3/36

In: 91.401+/-246.571 χ^2/NDF:33.3/39

Out: -315.596+/-242.368 χ^2/NDF:42.6/44

All: -115.596+/-172.847 χ^2/NDF: 77.2/84



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

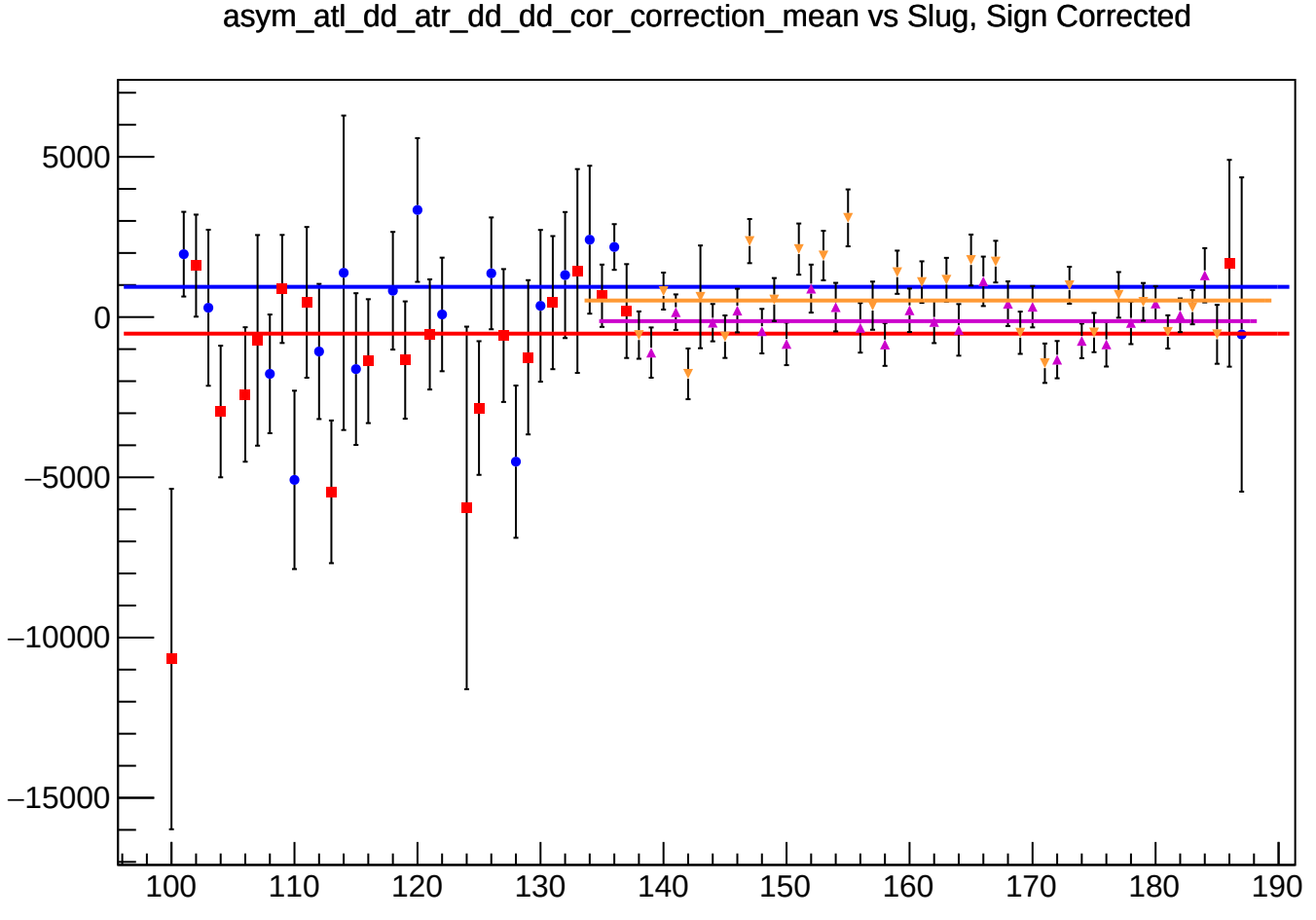
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1280.780+/-0.236 χ^2/NDF: 851106.4/36

In: 1244.349+/-0.174 χ^2/NDF:568739.3/39

Out: 1254.896+/-0.171 χ^2/NDF:547684.9/44

All: 1249.713+/-0.122 χ^2/NDF: 1118285.4/84



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

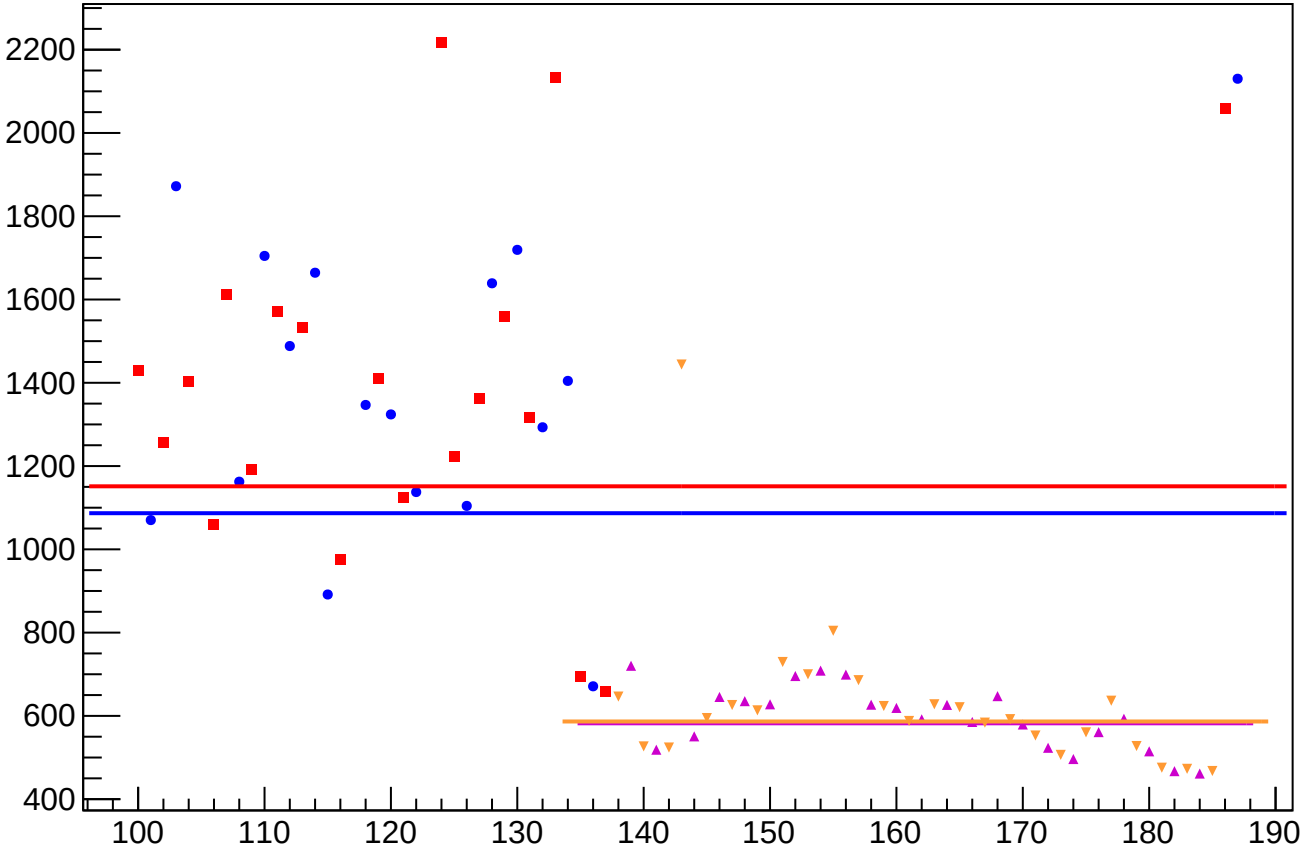
Right: 234.417+/-304.229 χ^2/NDF: 44.6/36

In: -25.120+/-130.595 χ^2/NDF:47.3/39

Out: 425.724+/-129.629 χ^2/NDF:91.0/44

All: 201.975+/-92.001 χ^2/NDF: 144.3/84

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

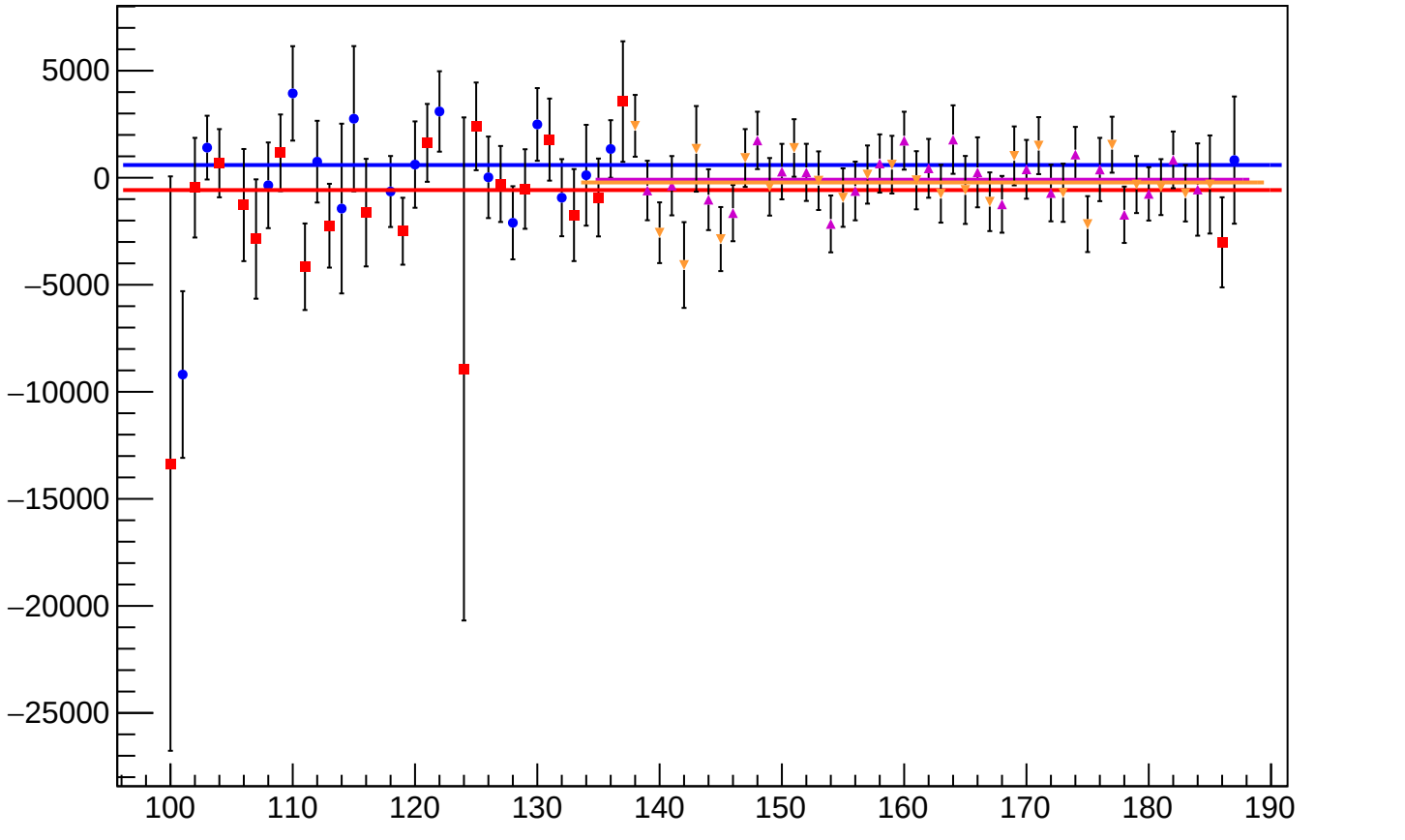
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1118.134+/-0.215 χ^2/NDF: 3042623.7/36

In: 630.045+/-0.092 χ^2/NDF:4692520.1/39

Out: 636.328+/-0.092 χ^2/NDF:5703679.7/44

All: 633.210+/-0.065 χ^2/NDF: 10398531.6/84



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -576.199+/-469.207 χ^2/NDF: 18.2/19

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

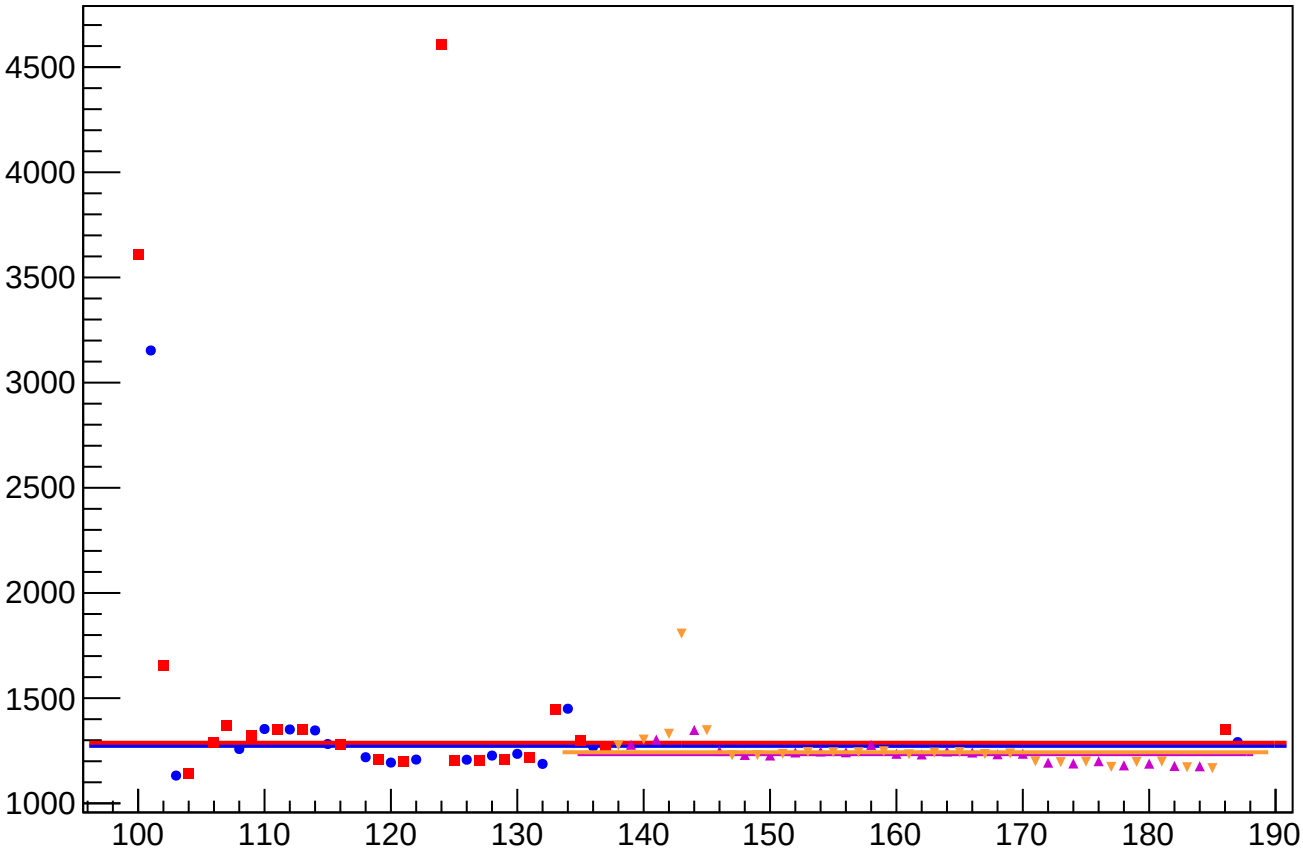
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -0.076+/-334.223 χ^2/NDF: 38.3/36

In: 91.401+/-246.571 χ^2/NDF:33.3/39

Out: -315.596+/-242.368 χ^2/NDF:42.6/44

All: -115.596+/-172.847 χ^2/NDF: 77.2/84



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

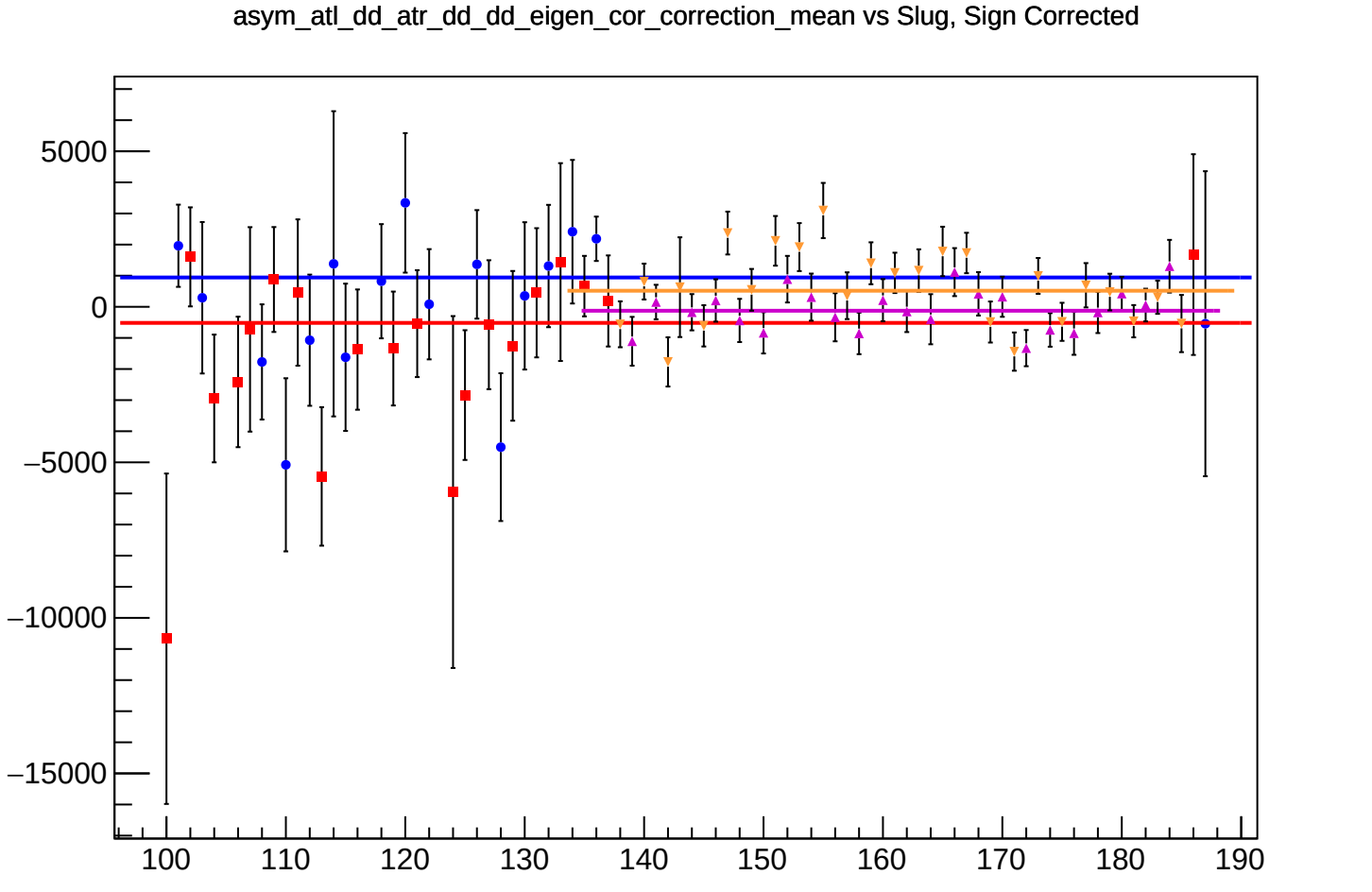
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1280.780+/-0.236 χ^2/NDF: 851106.4/36

In: 1244.349+/-0.174 χ^2/NDF:568739.3/39

Out: 1254.896+/-0.171 χ^2/NDF:547684.9/44

All: 1249.713+/-0.122 χ^2/NDF: 1118285.4/84



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

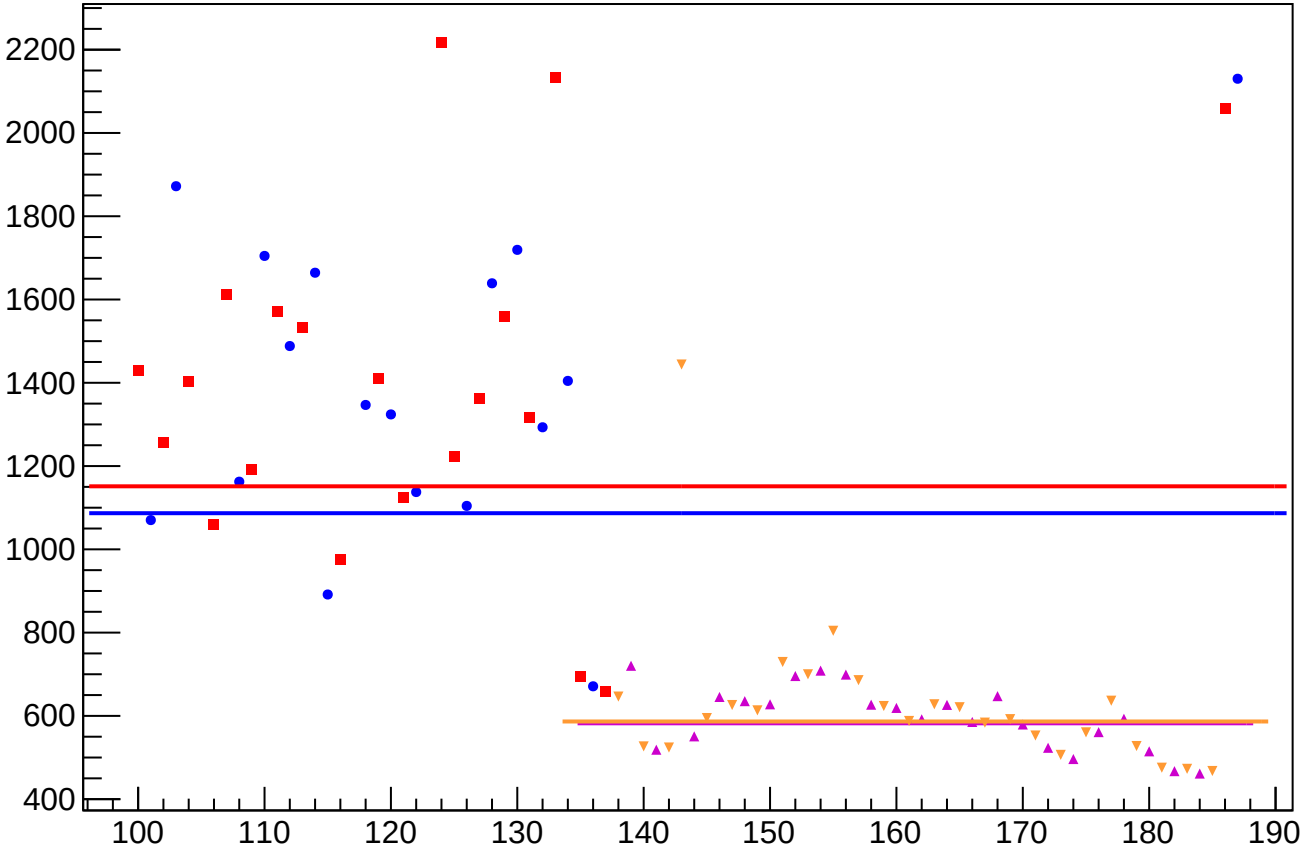
Right: 234.417+/-304.229 χ^2/NDF: 44.6/36

In: -25.120+/-130.595 χ^2/NDF:47.3/39

Out: 425.724+/-129.629 χ^2/NDF:91.0/44

All: 201.975+/-92.001 χ^2/NDF: 144.3/84

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

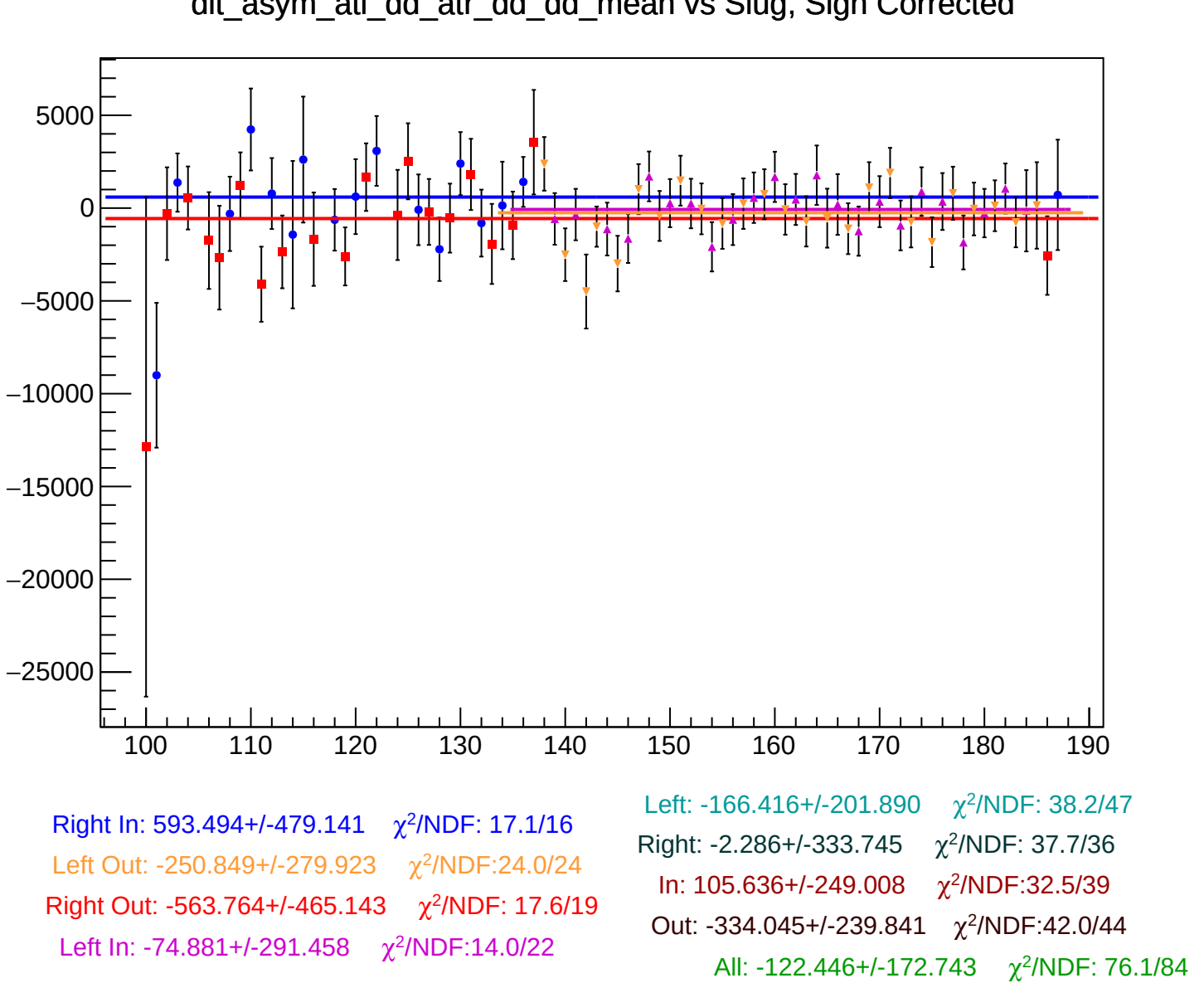
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1118.134+/-0.215 χ^2/NDF: 3042623.7/36

In: 630.045+/-0.092 χ^2/NDF:4692520.1/39

Out: 636.328+/-0.092 χ^2/NDF:5703679.7/44

All: 633.210+/-0.065 χ^2/NDF: 10398531.6/84


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
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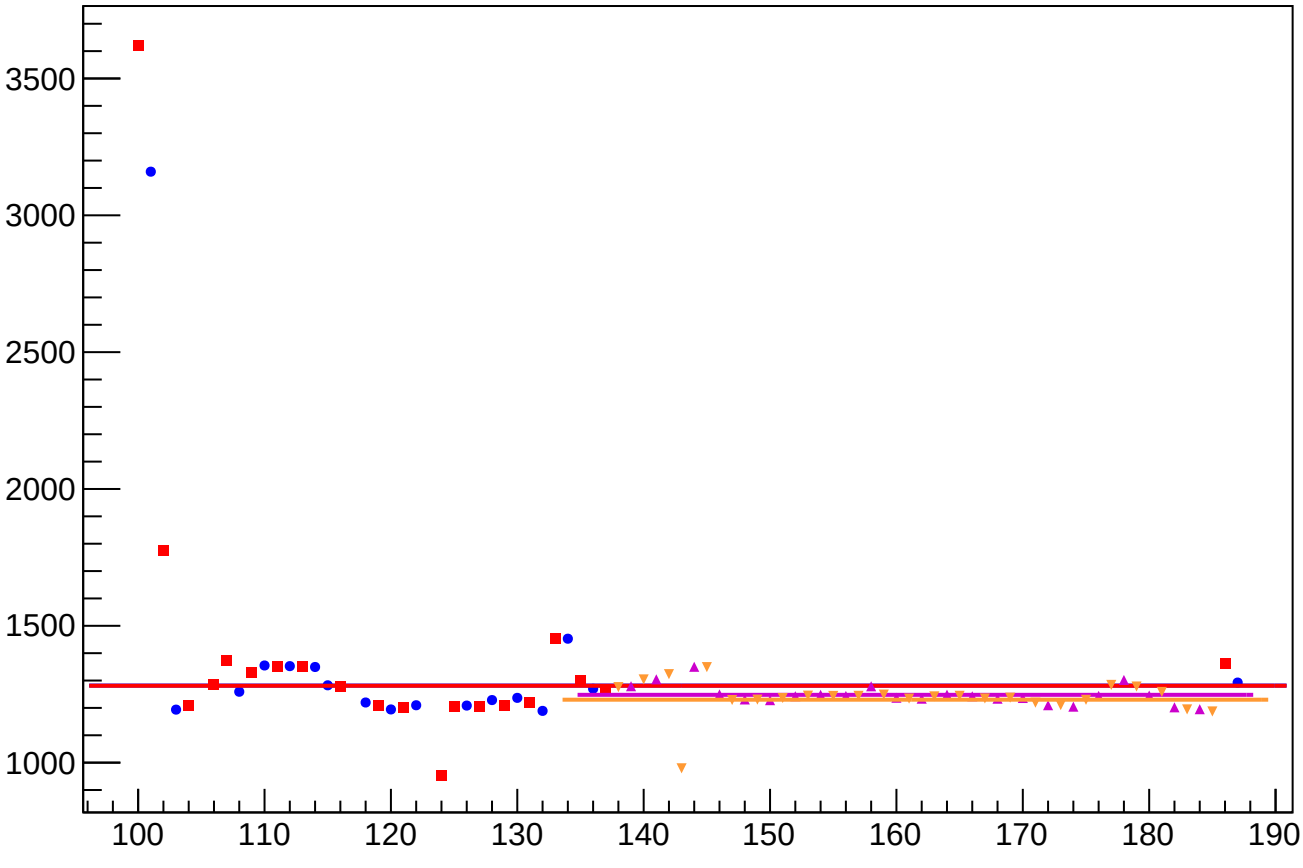
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 593.494+/-479.141 χ²/NDF: 17.1/16
Left Out: -250.849+/-279.923 χ²/NDF:24.0/24
Right Out: -563.764+/-465.143 χ²/NDF: 17.6/19
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.416+/-201.890 χ²/NDF: 38.2/47
Right: -2.286+/-333.745 χ²/NDF: 37.7/36
In: 105.636+/-249.008 χ²/NDF:32.5/39
Out: -334.045+/-239.841 χ²/NDF:42.0/44
All: -122.446+/-172.743 χ²/NDF: 76.1/84



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.2/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.4/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

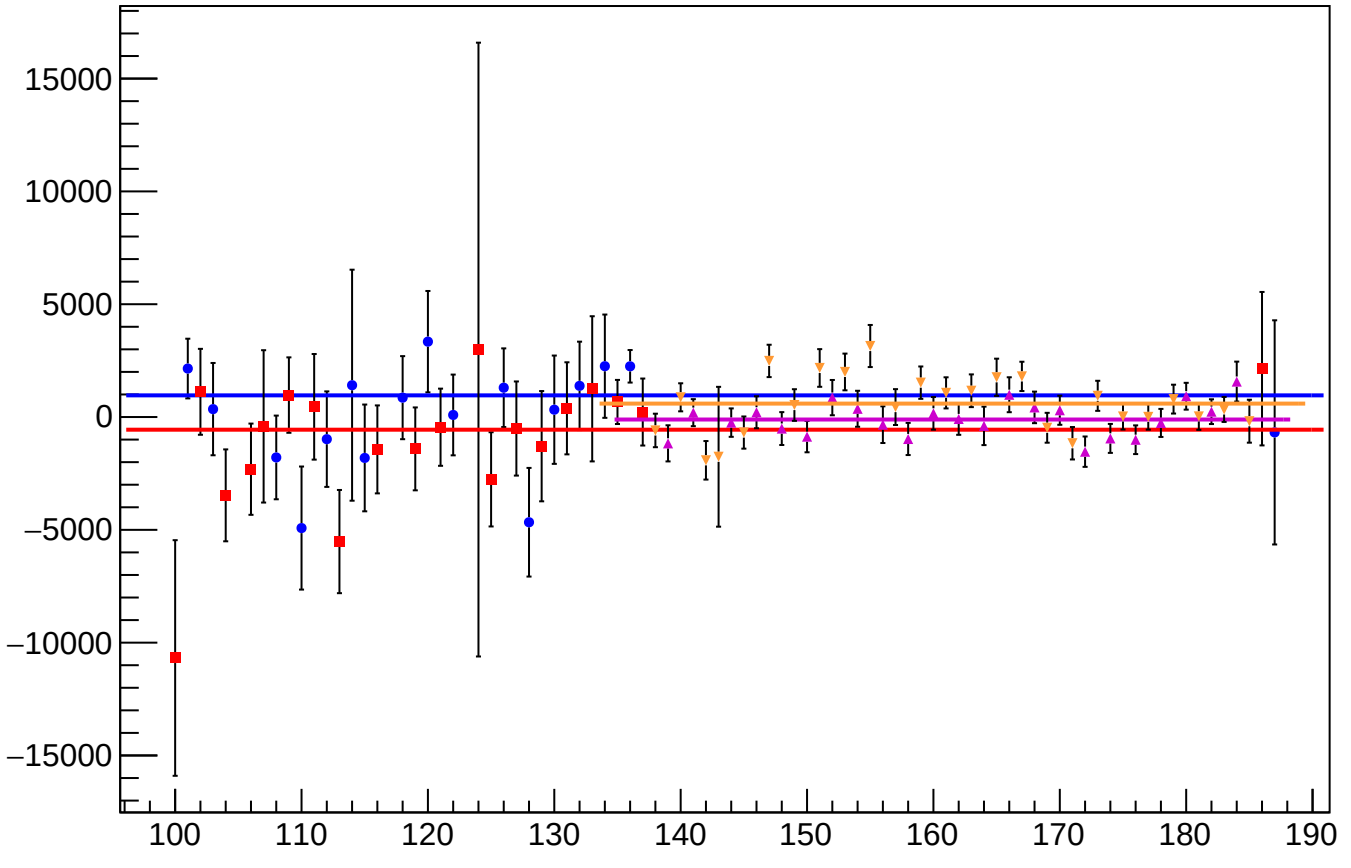
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1281.301+/-0.236 χ^2/NDF: 730687.7/36

In: 1256.934+/-0.176 χ^2/NDF:541743.8/39

Out: 1243.539+/-0.170 χ^2/NDF:382821.1/44

All: 1249.986+/-0.122 χ^2/NDF: 927567.1/84



Right In: 960.265+/-423.669 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -561.548+/-443.903 χ^2/NDF: 17.8/19

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

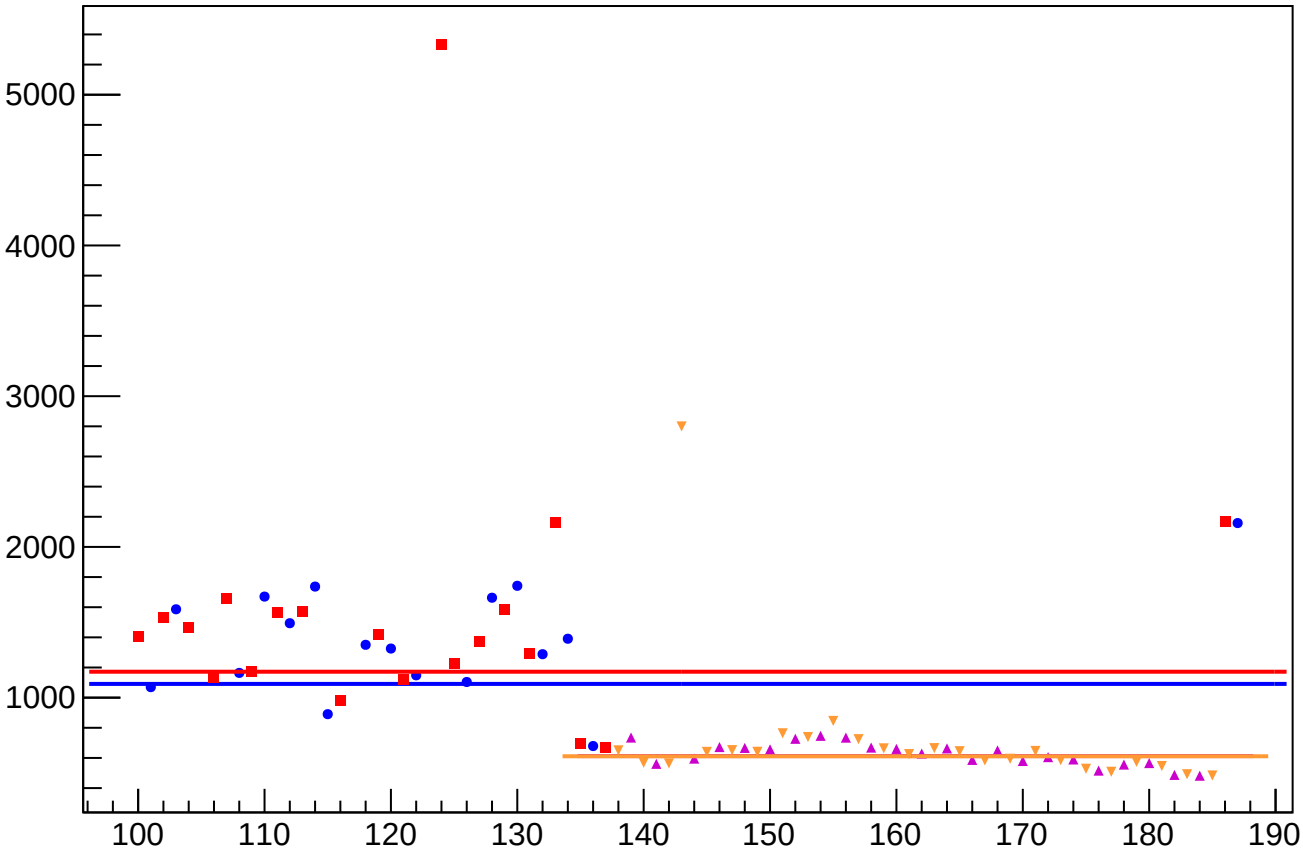
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 234.831+/-306.483 χ^2/NDF: 44.5/36

In: 0.932+/-136.537 χ^2/NDF:52.0/39

Out: 487.458+/-135.361 χ^2/NDF:81.3/44

All: 246.299+/-96.128 χ^2/NDF: 139.7/84



Right In: 1091.153+/-0.300 χ^2/NDF: 1453127.6/16

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1172.032+/-0.314 χ^2/NDF: 1663693.5/19

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

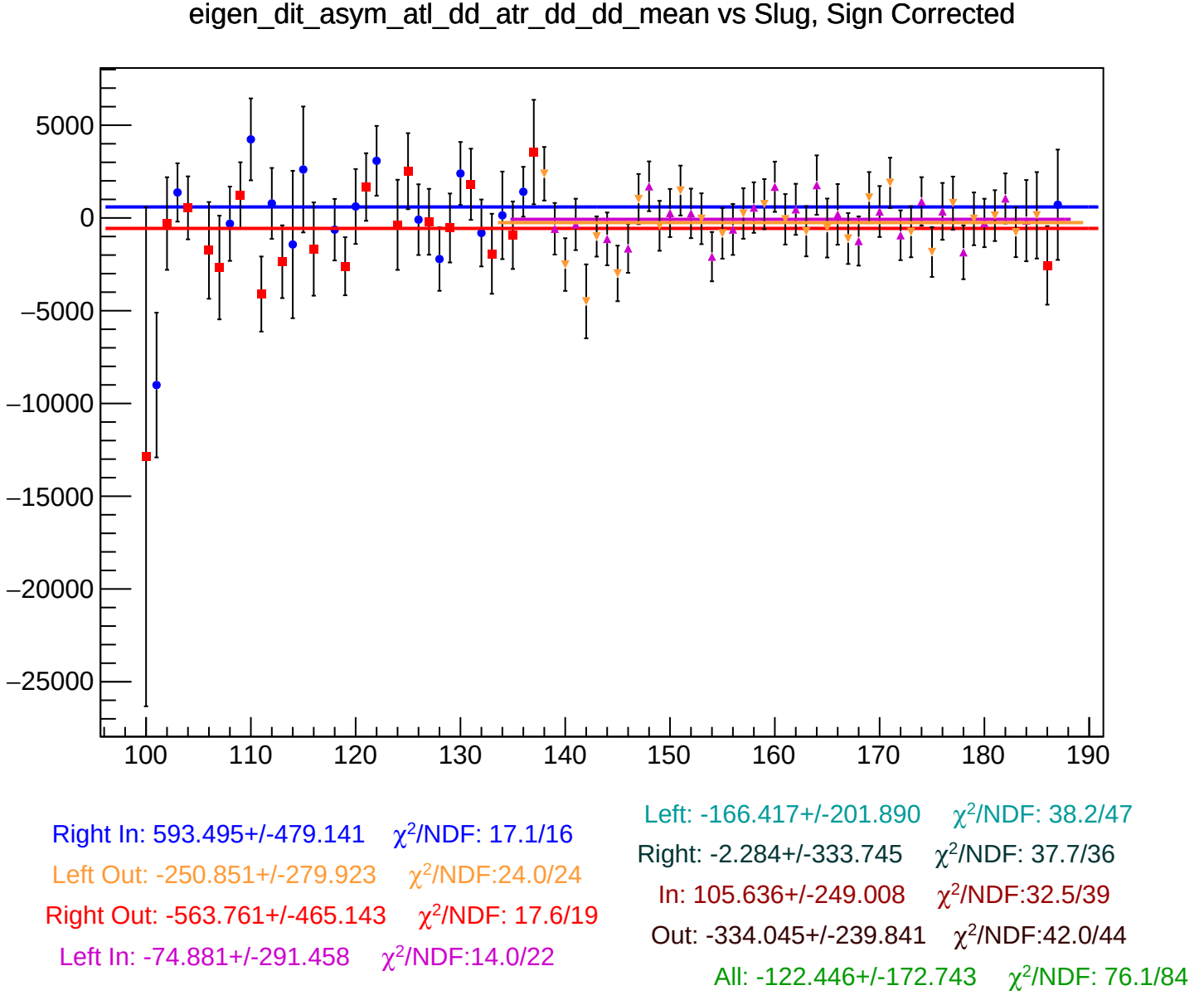
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1129.708+/-0.217 χ^2/NDF: 3151565.3/36

In: 662.122+/-0.097 χ^2/NDF:4250363.3/39

Out: 663.246+/-0.096 χ^2/NDF:6179760.3/44

All: 662.689+/-0.068 χ^2/NDF: 10430191.9/84


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
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−5000
−10000
−15000
−20000
−25000
100
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130
140
150
160
170
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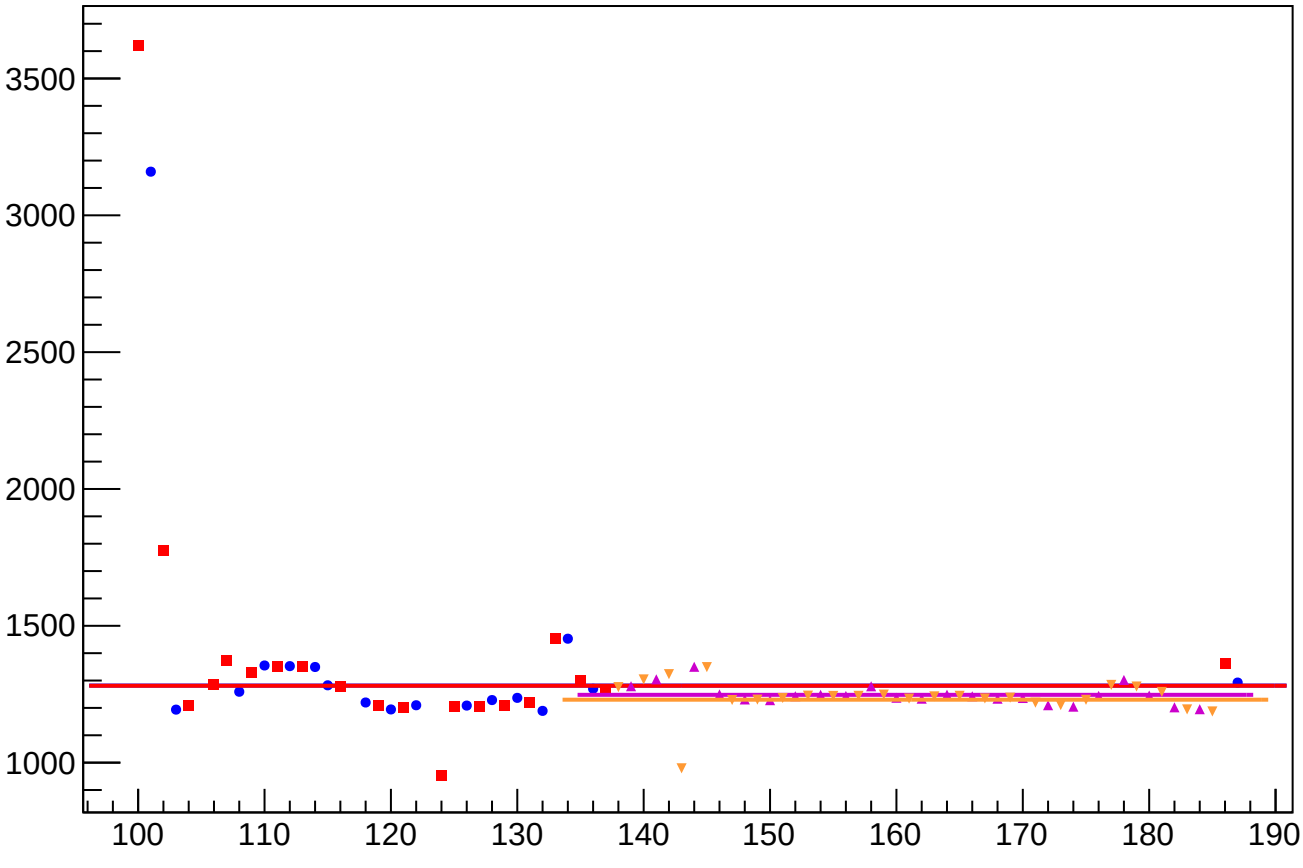
190
Right In: 593.495+/-479.141 χ²/NDF: 17.1/16
Left Out: -250.851+/-279.923 χ²/NDF:24.0/24
Right Out: -563.761+/-465.143 χ²/NDF: 17.6/19
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.417+/-201.890 χ²/NDF: 38.2/47
Right: -2.284+/-333.745 χ²/NDF: 37.7/36
In: 105.636+/-249.008 χ²/NDF:32.5/39
Out: -334.045+/-239.841 χ²/NDF:42.0/44
All: -122.446+/-172.743 χ²/NDF: 76.1/84



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.3/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.3/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

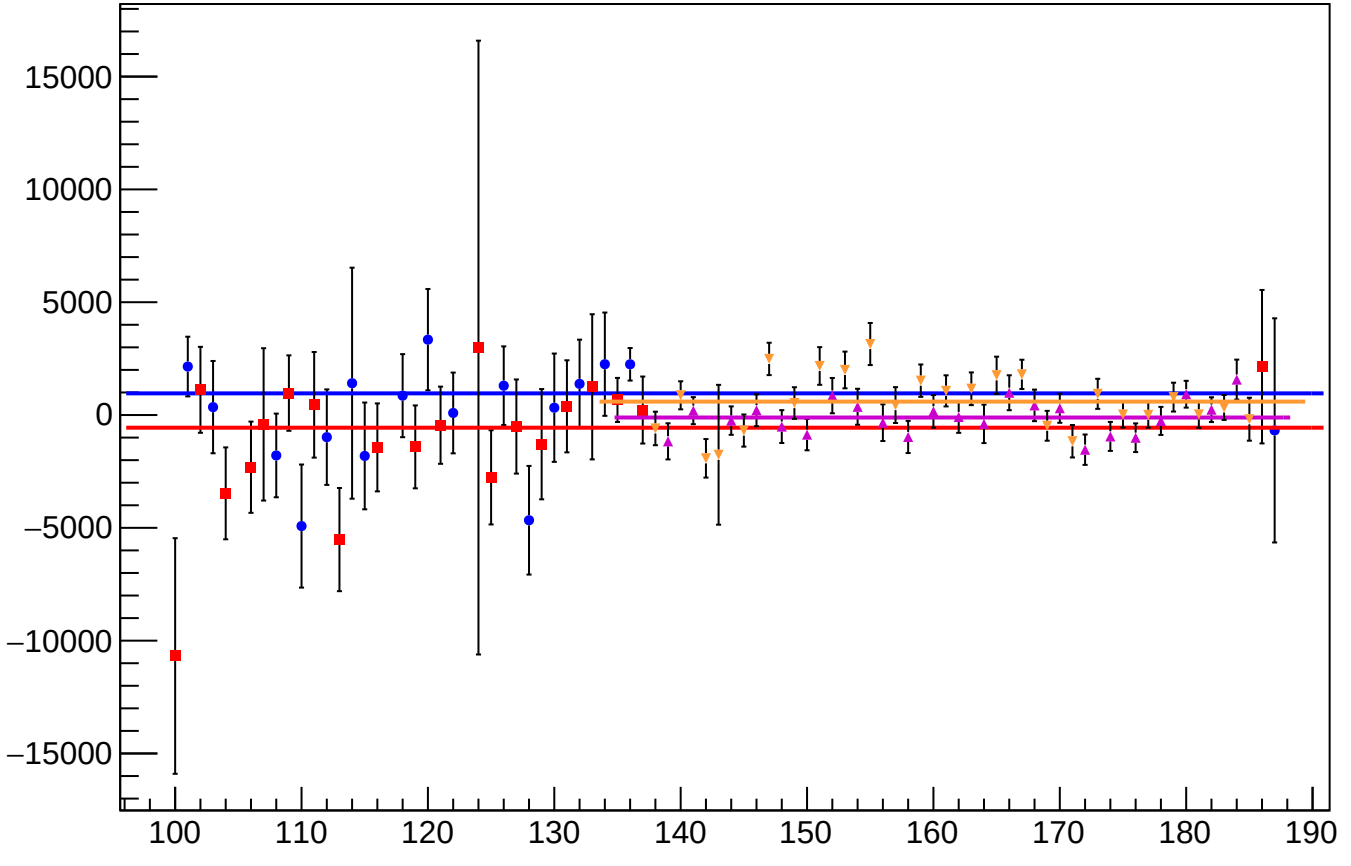
Right: 1281.300+/-0.236 χ^2/NDF: 730687.8/36

In: 1256.934+/-0.176 χ^2/NDF:541743.9/39

Out: 1243.539+/-0.170 χ^2/NDF:382820.0/44

All: 1249.986+/-0.122 χ^2/NDF: 927566.1/84

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 960.259+/-423.671 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -561.557+/-443.905 χ^2/NDF: 17.8/19

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

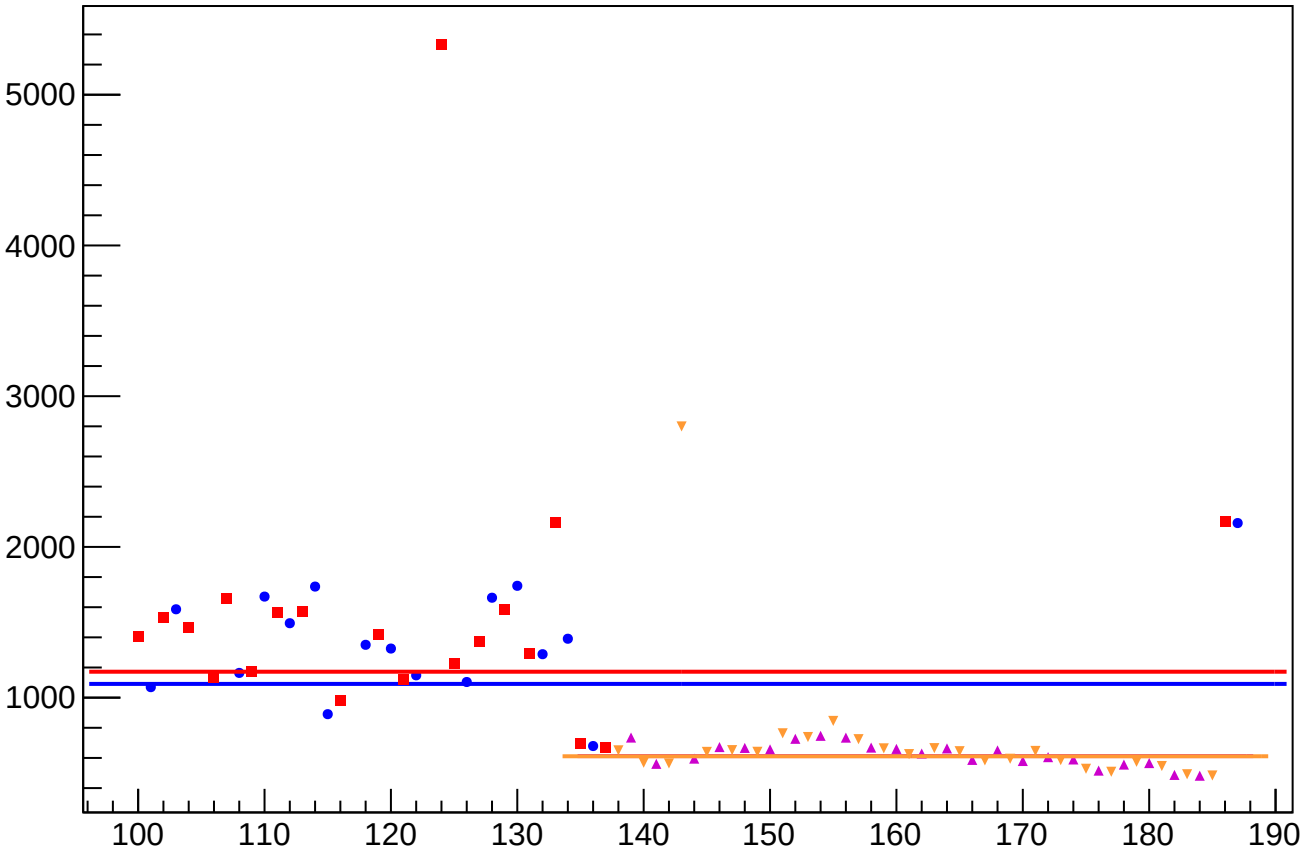
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 234.824+/-306.484 χ^2/NDF: 44.5/36

In: 0.931+/-136.537 χ^2/NDF:52.0/39

Out: 487.458+/-135.361 χ^2/NDF:81.3/44

All: 246.298+/-96.128 χ^2/NDF: 139.7/84



Right In: 1091.160+/-0.300 χ^2/NDF: 1453069.6/16

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1172.040+/-0.314 χ^2/NDF: 1663638.0/19

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

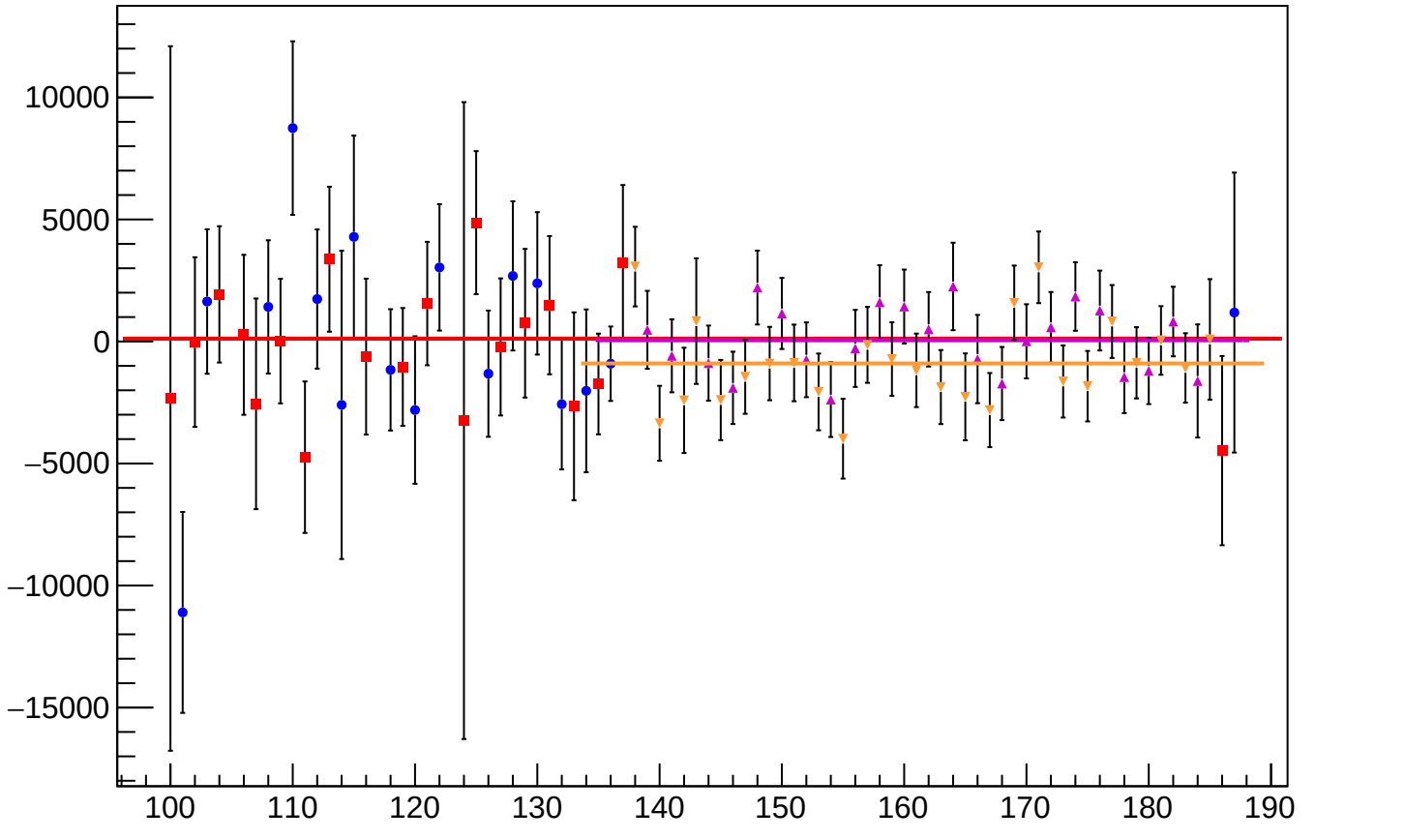
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1129.714+/-0.217 χ^2/NDF: 3151452.3/36

In: 662.122+/-0.097 χ^2/NDF:4250360.7/39

Out: 663.246+/-0.096 χ^2/NDF:6179758.1/44

All: 662.689+/-0.068 χ^2/NDF: 10430187.2/84



Right In: 116.327+/-693.850 χ^2/NDF: 21.3/16

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 113.307+/-688.594 χ^2/NDF: 11.8/19

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

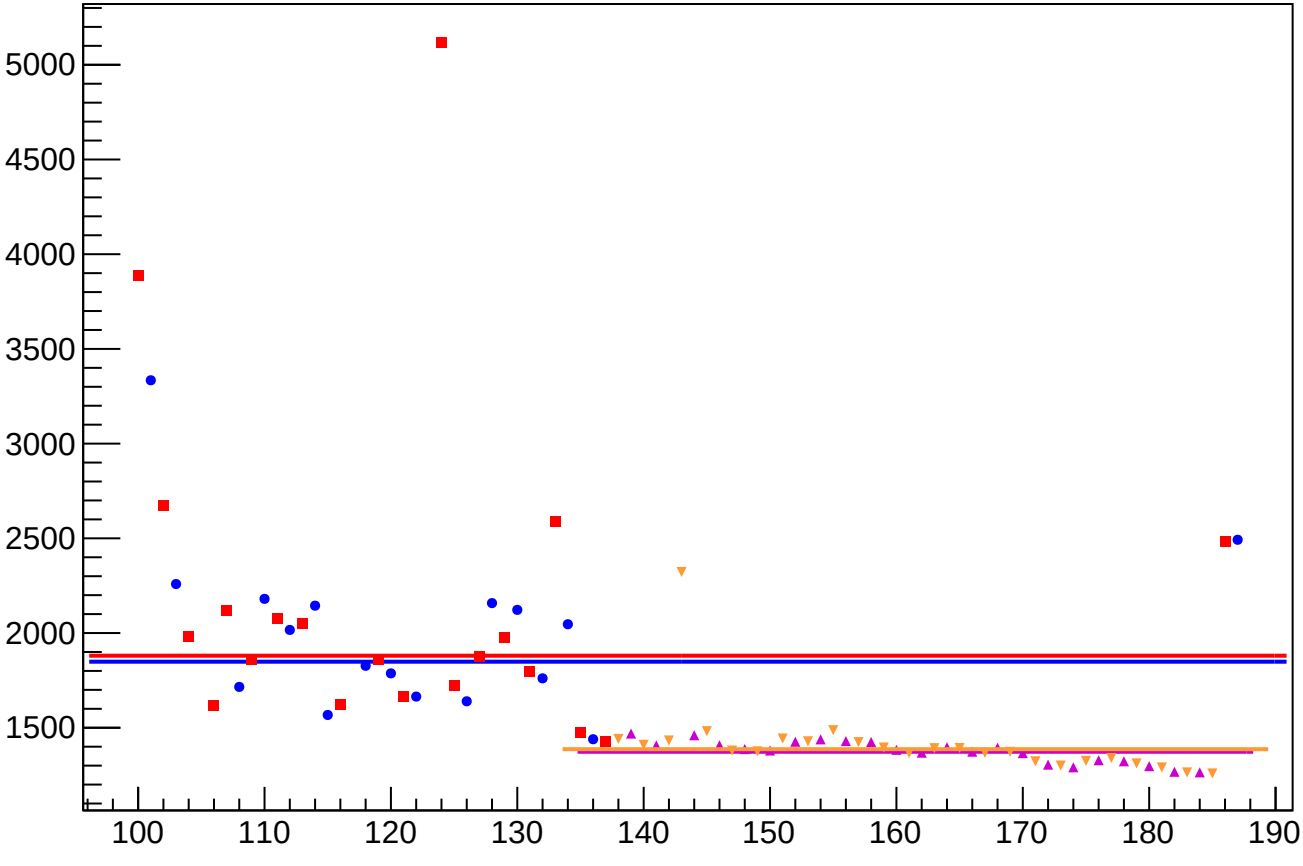
Right: 114.805+/-488.757 χ^2/NDF: 33.1/36

In: 60.188+/-291.280 χ^2/NDF:39.2/39

Out: -723.224+/-287.539 χ^2/NDF:43.4/44

All: -336.581+/-204.631 χ^2/NDF: 86.3/84

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1848.673+/-0.491 χ^2/NDF: 582291.5/16

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1880.358+/-0.487 χ^2/NDF: 571859.5/19

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

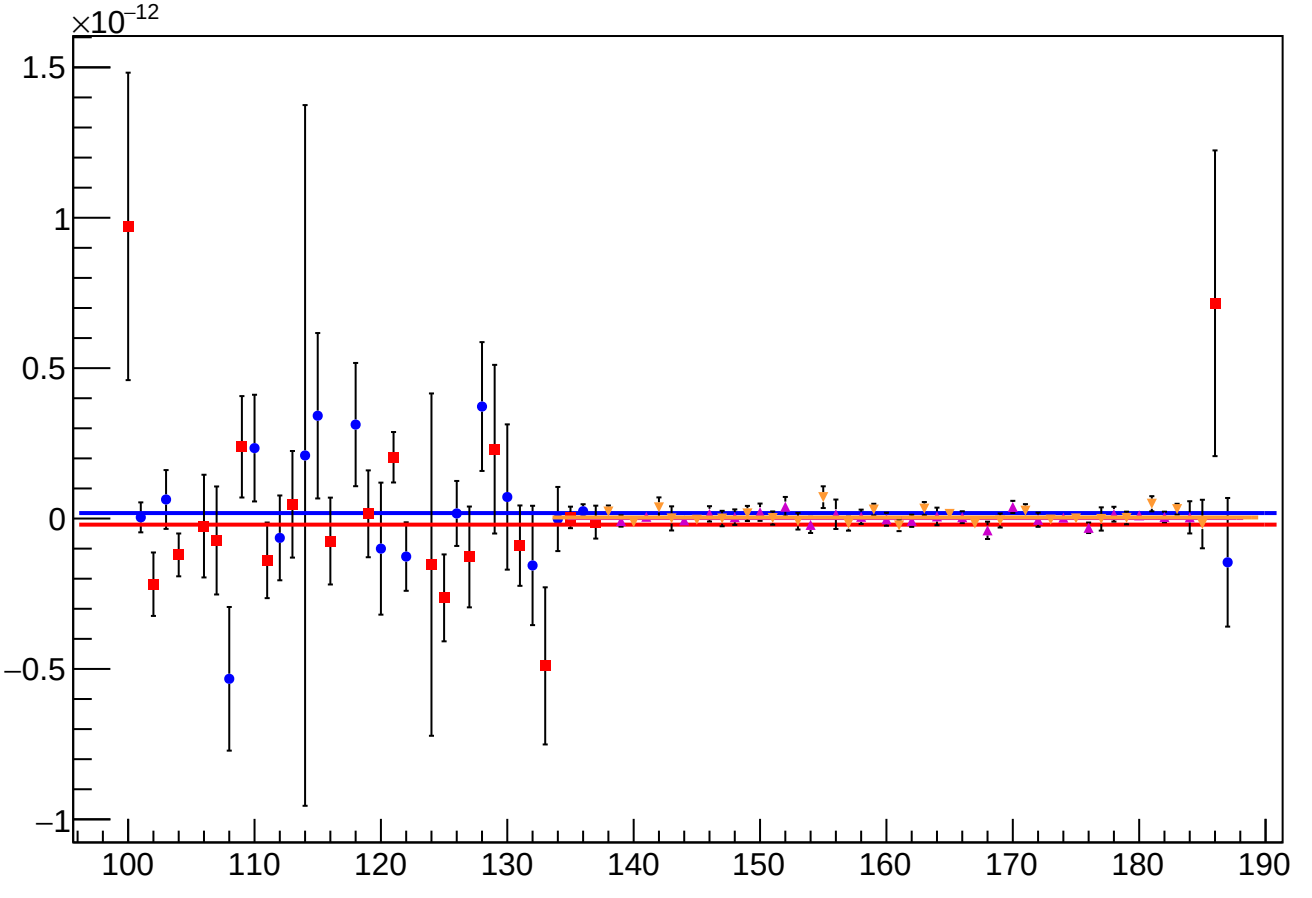
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1864.637+/-0.346 χ^2/NDF: 1156252.2/36

In: 1457.009+/-0.206 χ^2/NDF:1420377.3/39

Out: 1472.899+/-0.203 χ^2/NDF:1759851.4/44

All: 1465.057+/-0.145 χ^2/NDF: 3183243.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/19

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

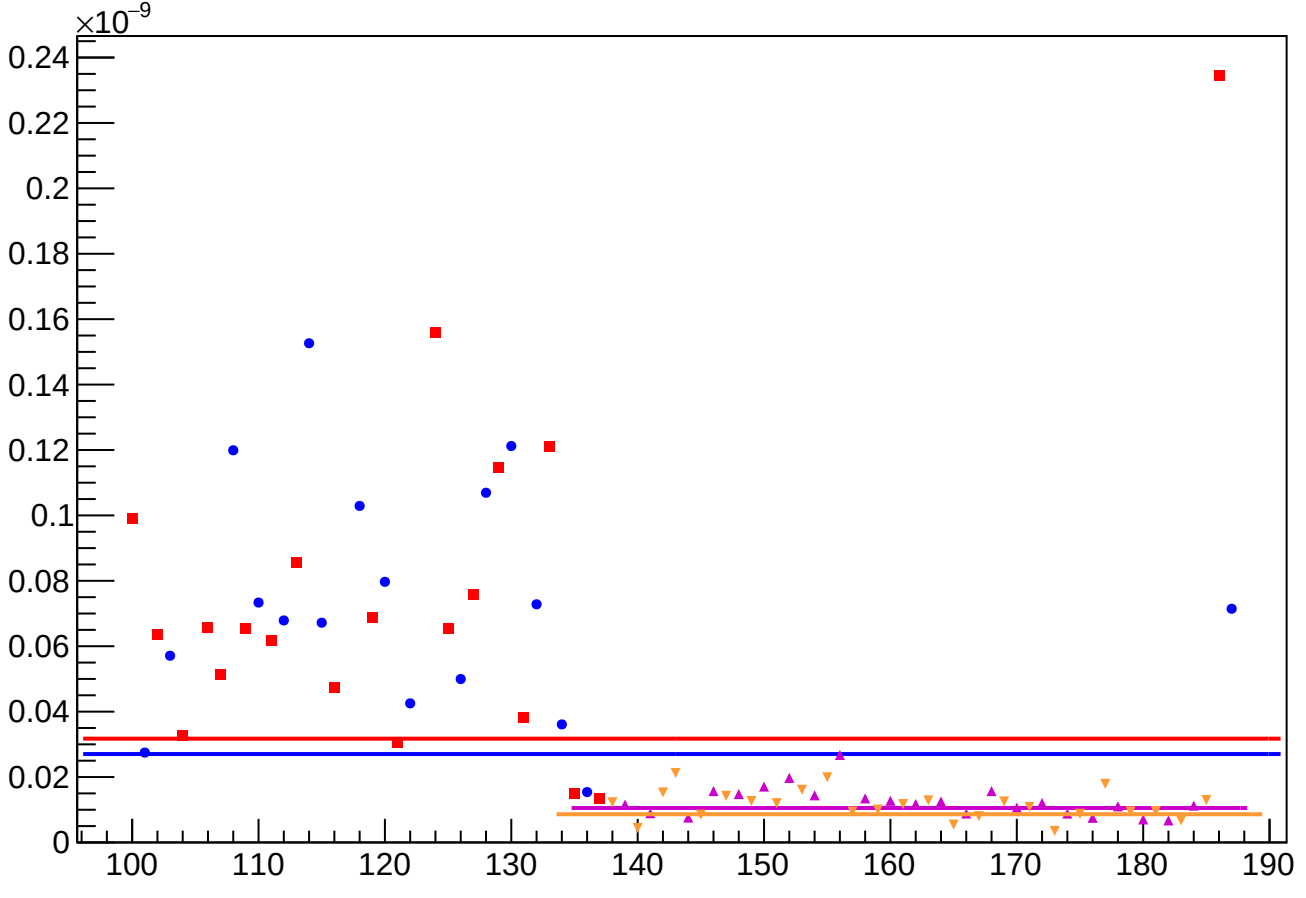
Right: 0.000+/-0.000 χ^2/NDF: 49.1/36

In: 0.000+/-0.000 χ^2/NDF:31.3/39

Out: 0.000+/-0.000 χ^2/NDF:56.2/44

All: 0.000+/-0.000 χ^2/NDF: 87.5/84

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2667669.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2594605.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

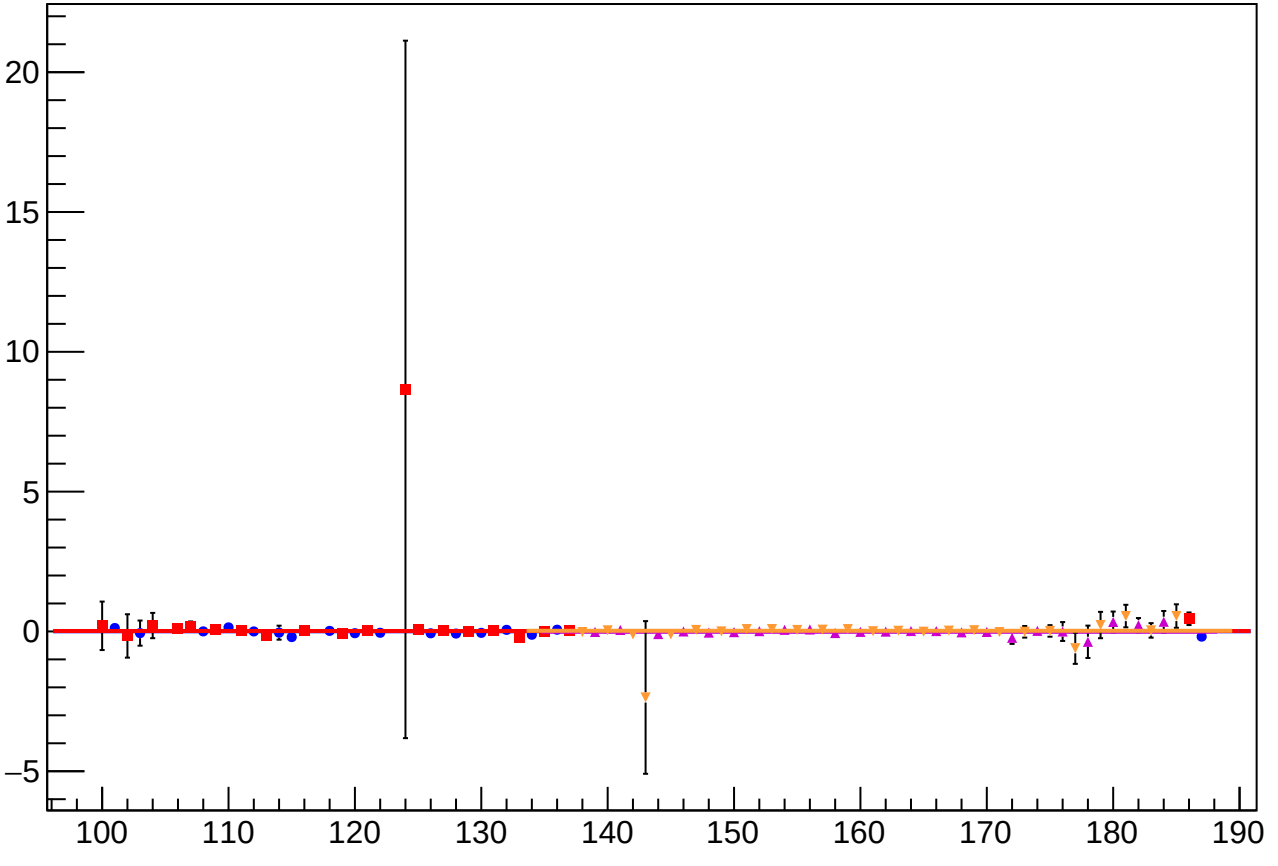
Right: 0.000+/-0.000 χ^2/NDF: 5314675.3/36

In: 0.000+/-0.000 χ^2/NDF:5369102.8/39

Out: 0.000+/-0.000 χ^2/NDF:6835385.2/44

All: 0.000+/-0.000 χ^2/NDF: 12480655.5/84

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

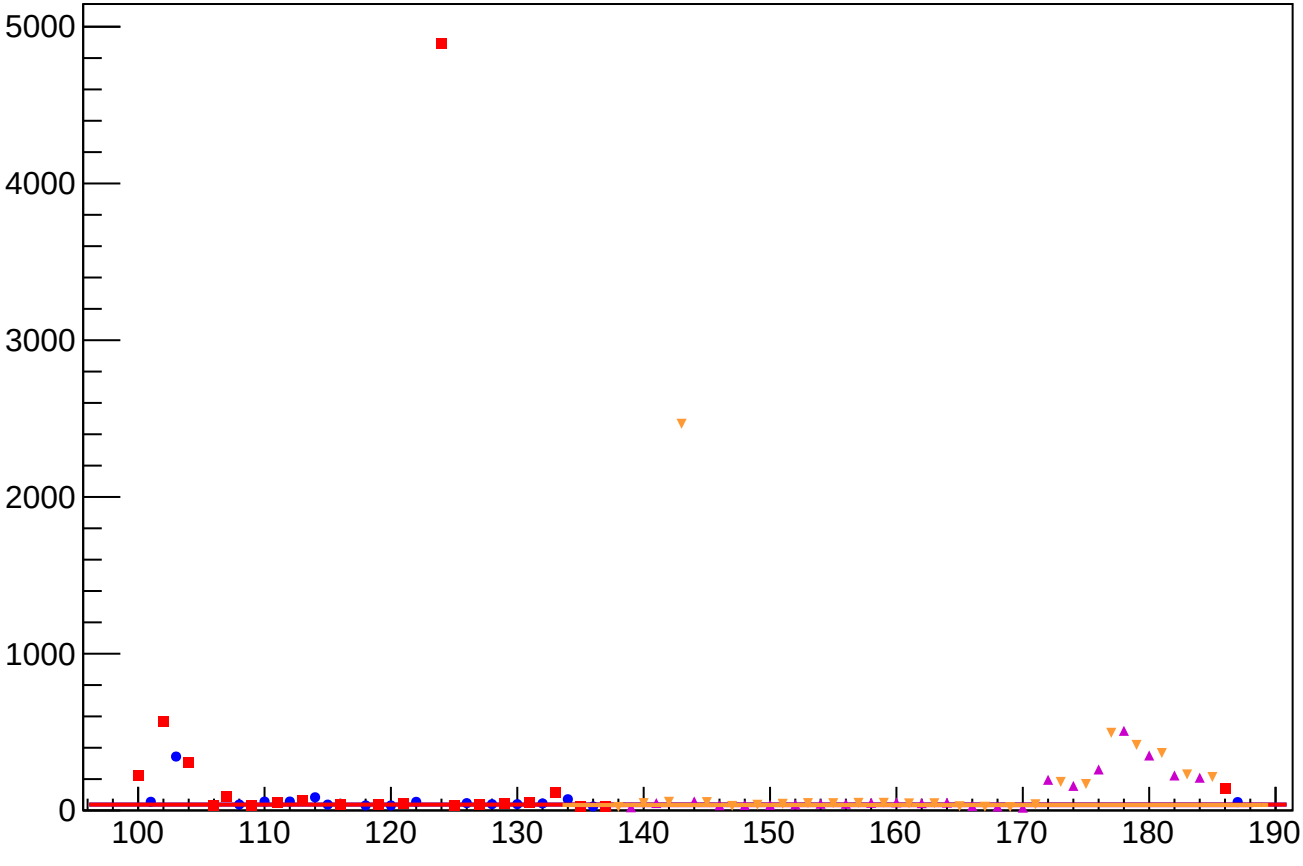
Right: 0.010+/-0.011 χ^2/NDF: 38.1/36

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.007+/-0.006 χ^2/NDF: 81.2/84

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

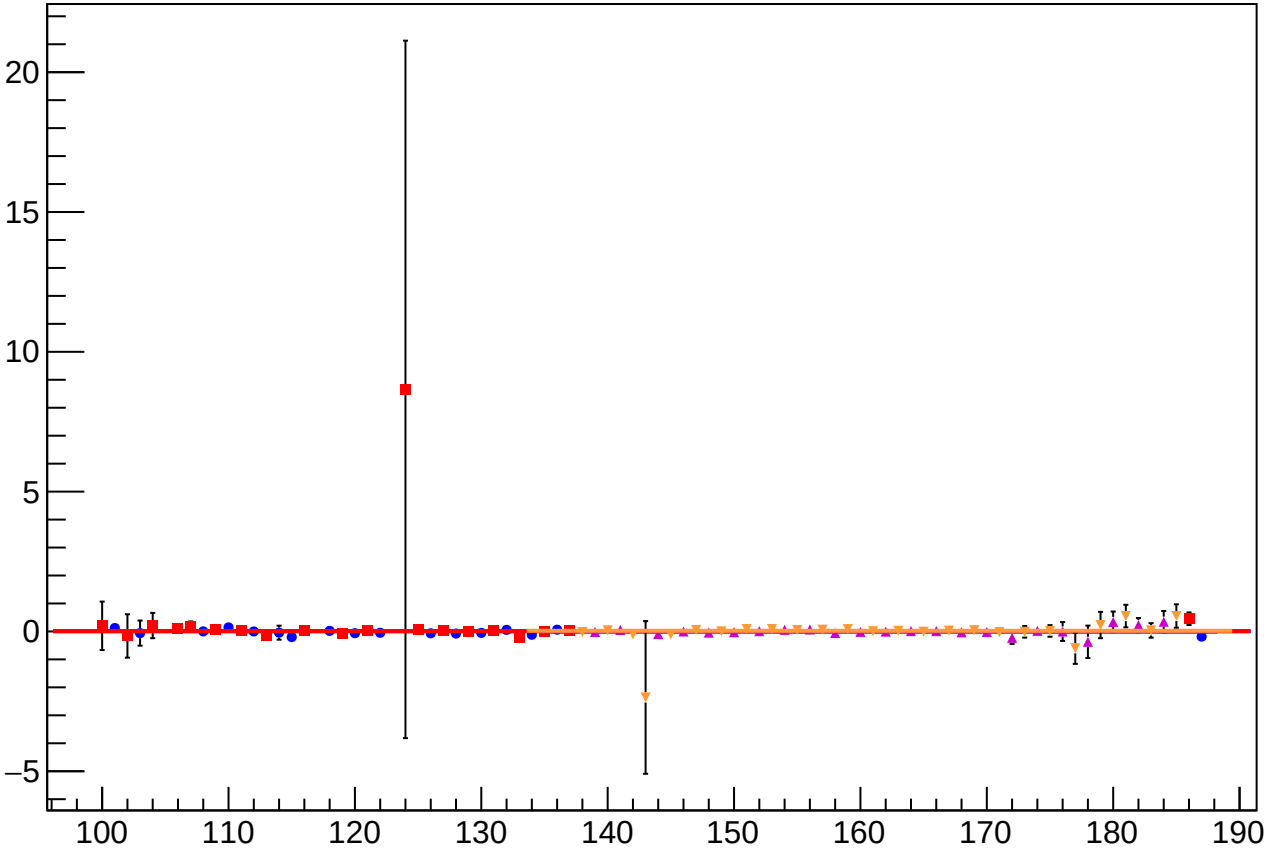
Right: 37.552+/-0.008 χ^2/NDF: 5646850.6/36

In: 34.754+/-0.006 χ^2/NDF:12179615.1/39

Out: 35.371+/-0.006 χ^2/NDF:15073238.9/44

All: 35.053+/-0.004 χ^2/NDF: 27258036.2/84

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

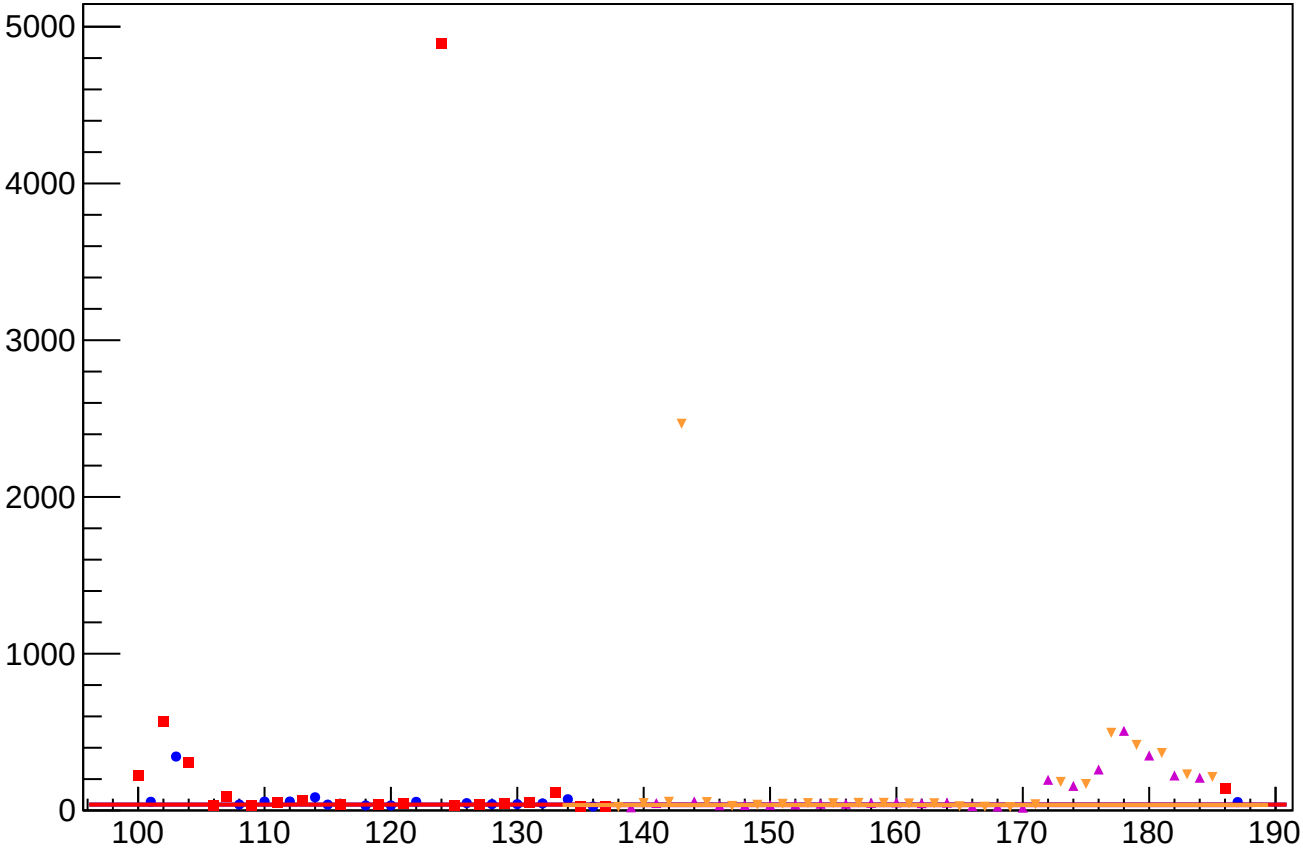
Right: 0.010+/-0.011 χ^2/NDF: 38.1/36

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.007+/-0.006 χ^2/NDF: 81.2/84

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

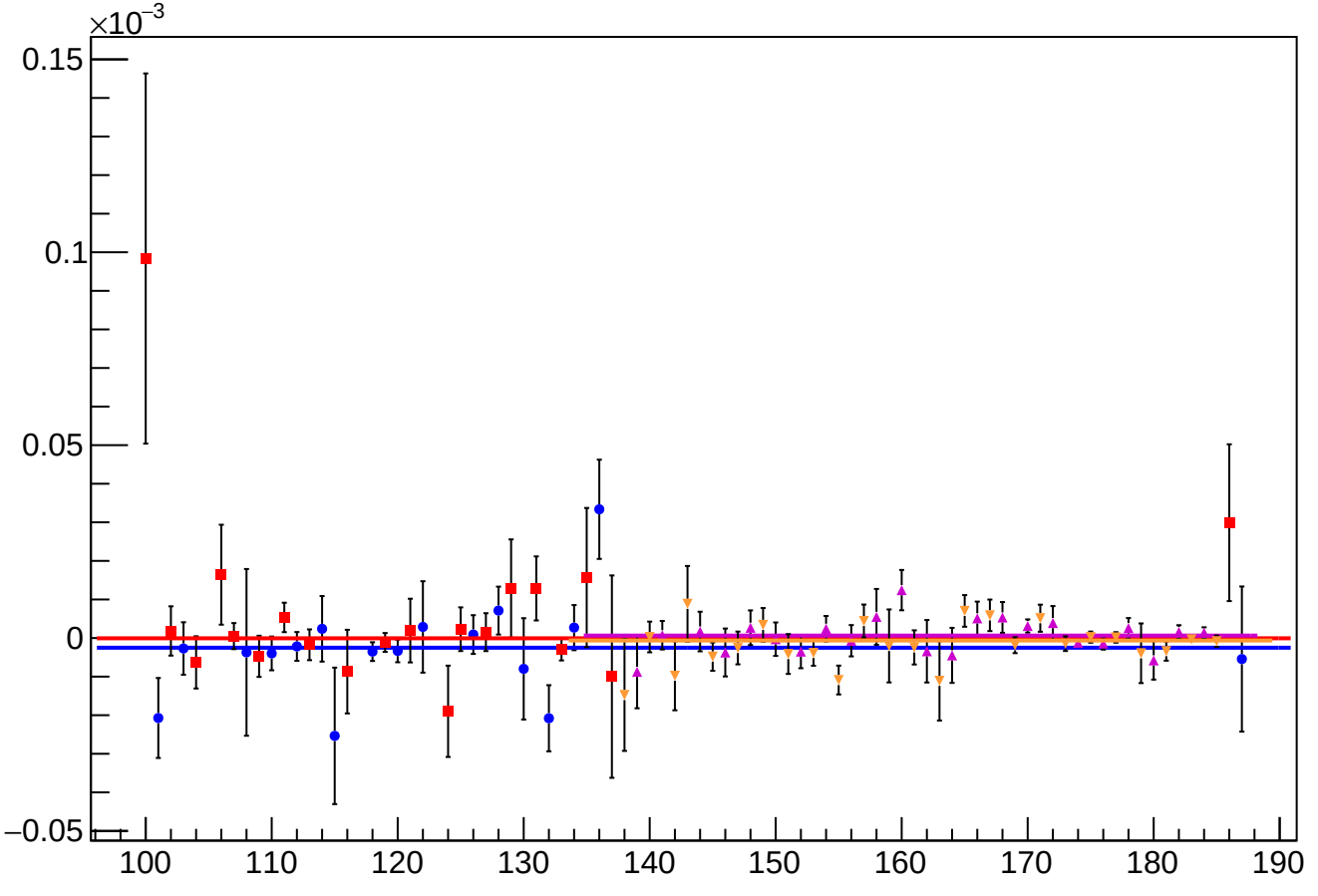
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.552+/-0.008 χ^2/NDF: 5646850.6/36

In: 34.754+/-0.006 χ^2/NDF:12179615.1/39

Out: 35.371+/-0.006 χ^2/NDF:15073238.9/44

All: 35.053+/-0.004 χ^2/NDF: 27258036.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

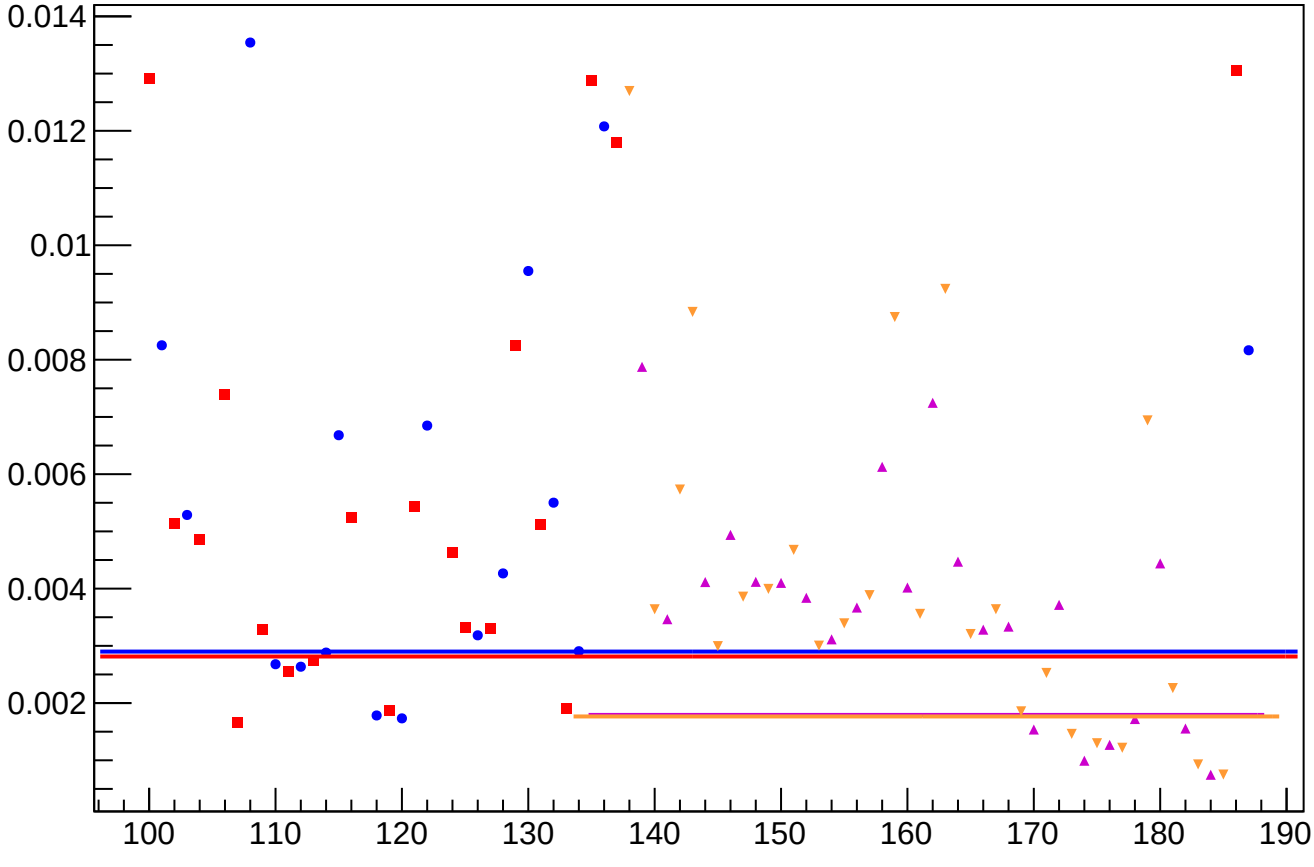
Right: -0.000+/-0.000 χ^2/NDF: 44.9/36

In: 0.000+/-0.000 χ^2/NDF:48.8/39

Out: -0.000+/-0.000 χ^2/NDF:49.6/44

All: -0.000+/-0.000 χ^2/NDF: 99.5/84

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4309586.2/16

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3821461.6/19

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

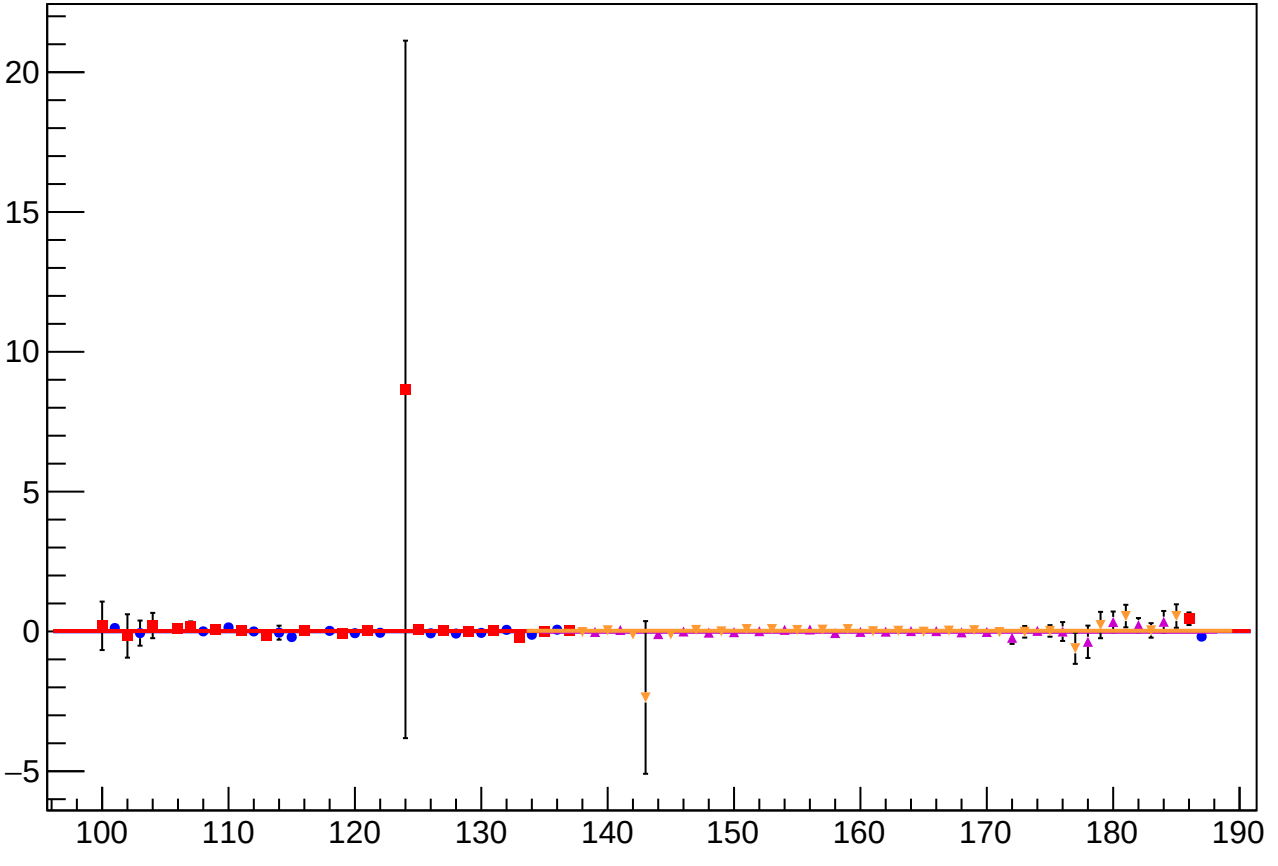
Right: 0.003+/-0.000 χ^2/NDF: 8135899.4/36

In: 0.002+/-0.000 χ^2/NDF:16306307.4/39

Out: 0.002+/-0.000 χ^2/NDF:18089679.1/44

All: 0.002+/-0.000 χ^2/NDF: 34398340.0/84

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

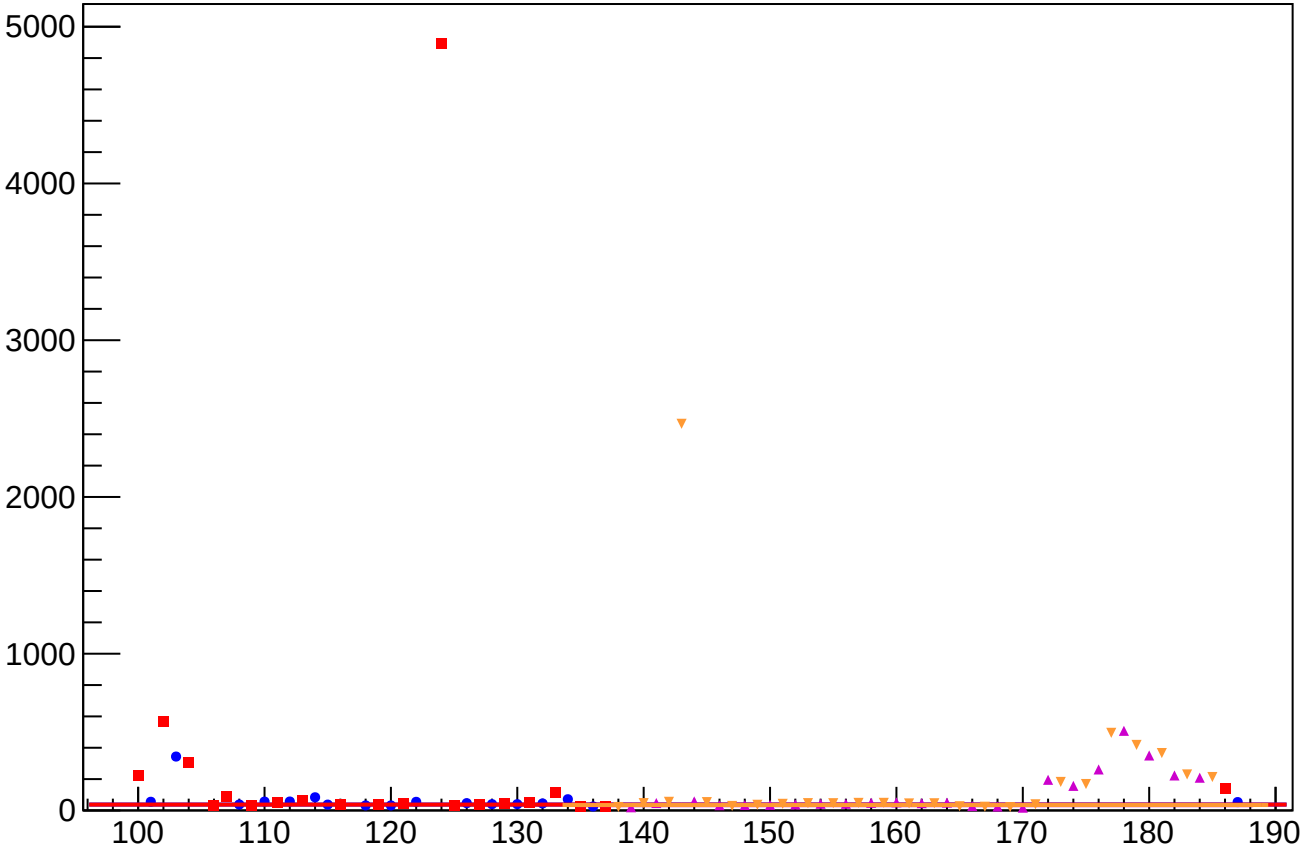
Right: 0.010+/-0.011 χ^2/NDF: 38.1/36

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.007+/-0.006 χ^2/NDF: 81.2/84

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

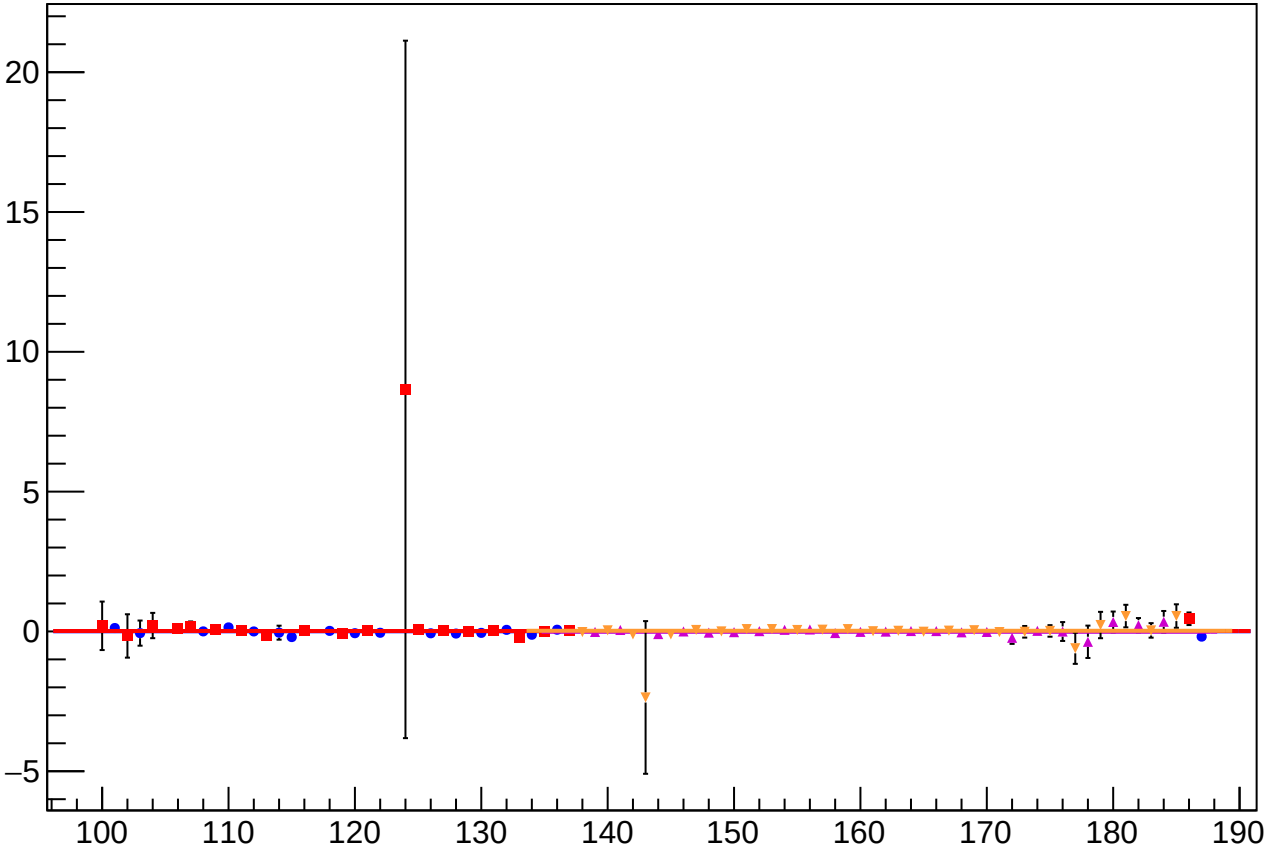
Right: 37.553+/-0.008 χ^2/NDF: 5646490.3/36

In: 34.756+/-0.006 χ^2/NDF:12178208.0/39

Out: 35.370+/-0.006 χ^2/NDF:15073126.4/44

All: 35.054+/-0.004 χ^2/NDF: 27256480.7/84

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

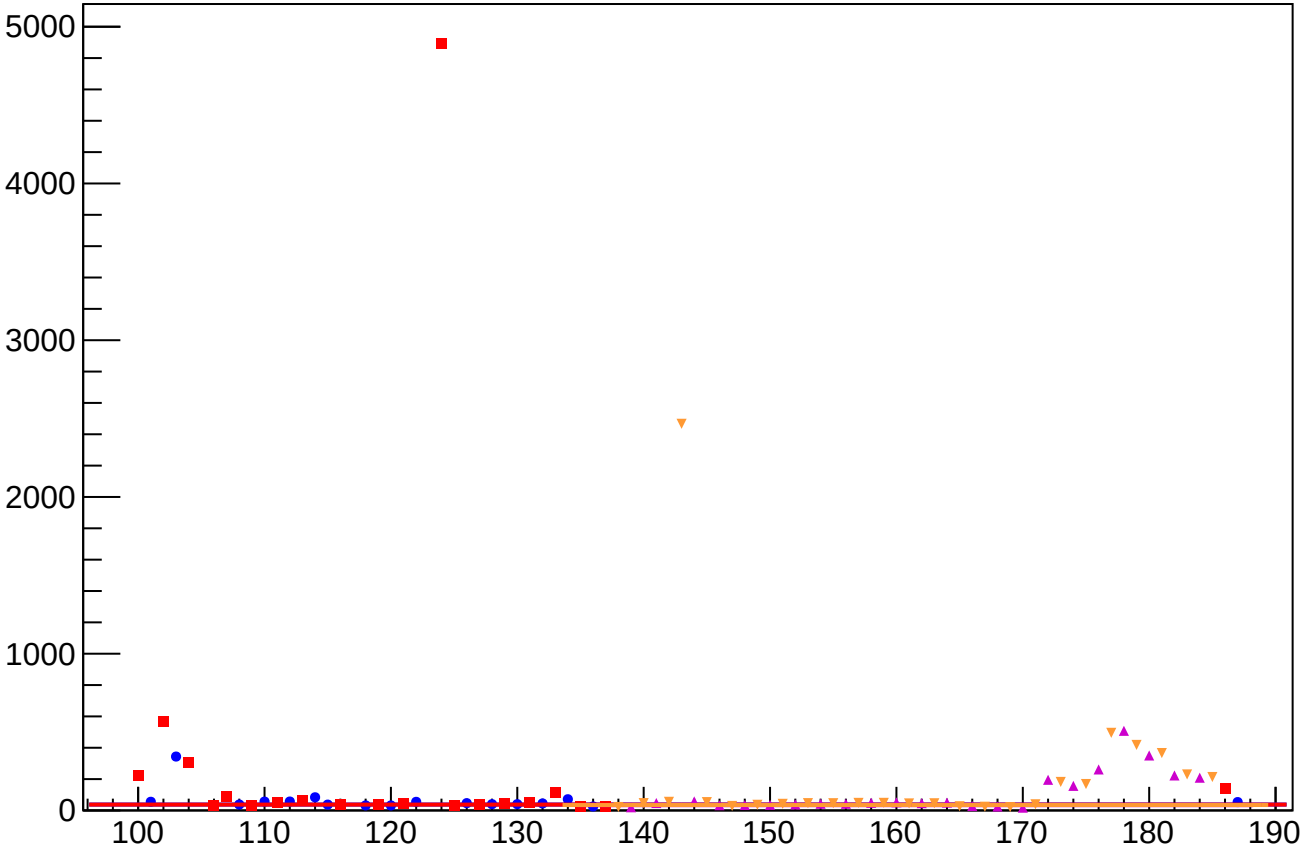
Right: 0.010+/-0.011 χ^2/NDF: 38.1/36

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.007+/-0.006 χ^2/NDF: 81.2/84

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

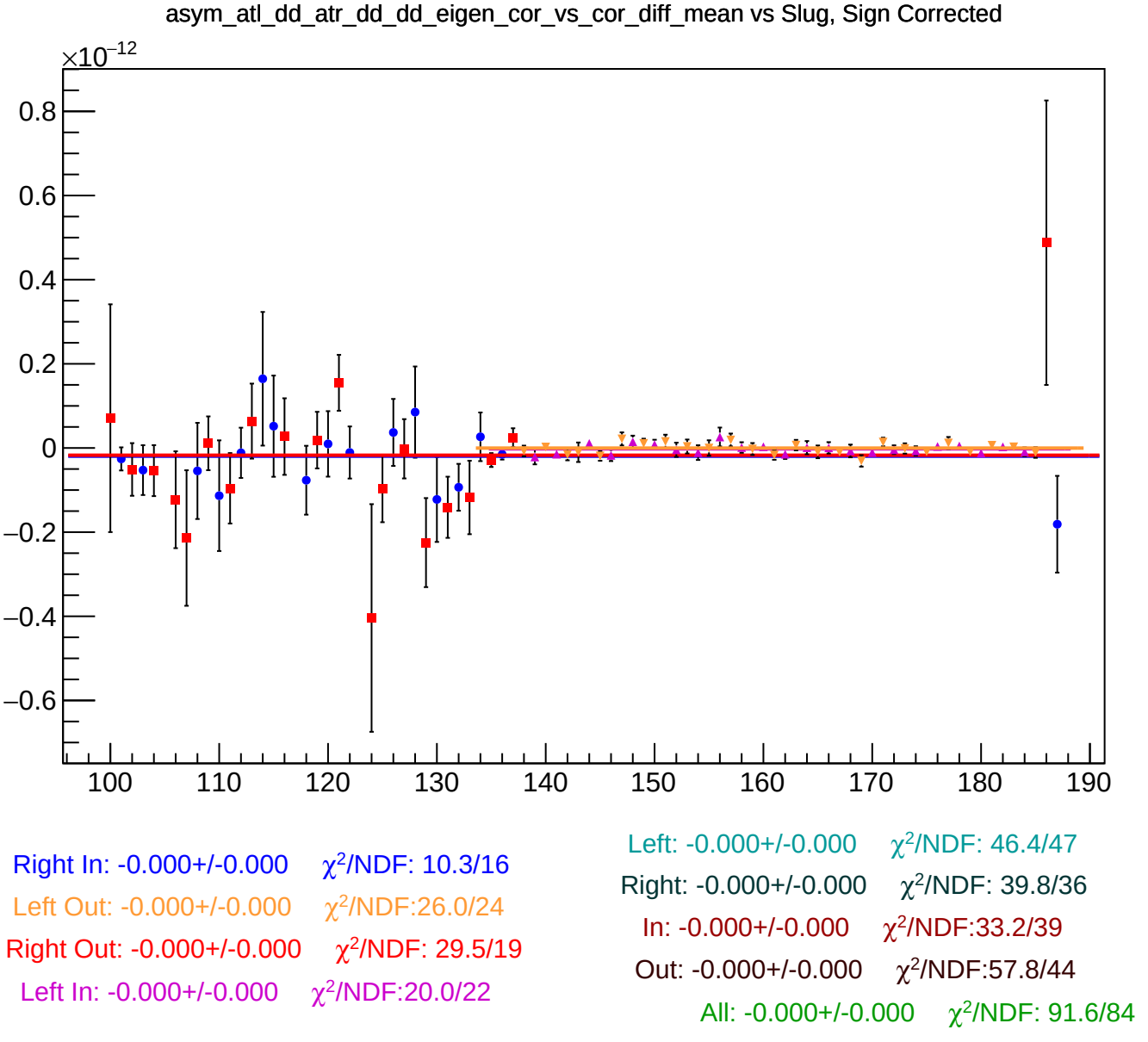
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 37.553+/-0.008 χ^2/NDF: 5646490.3/36

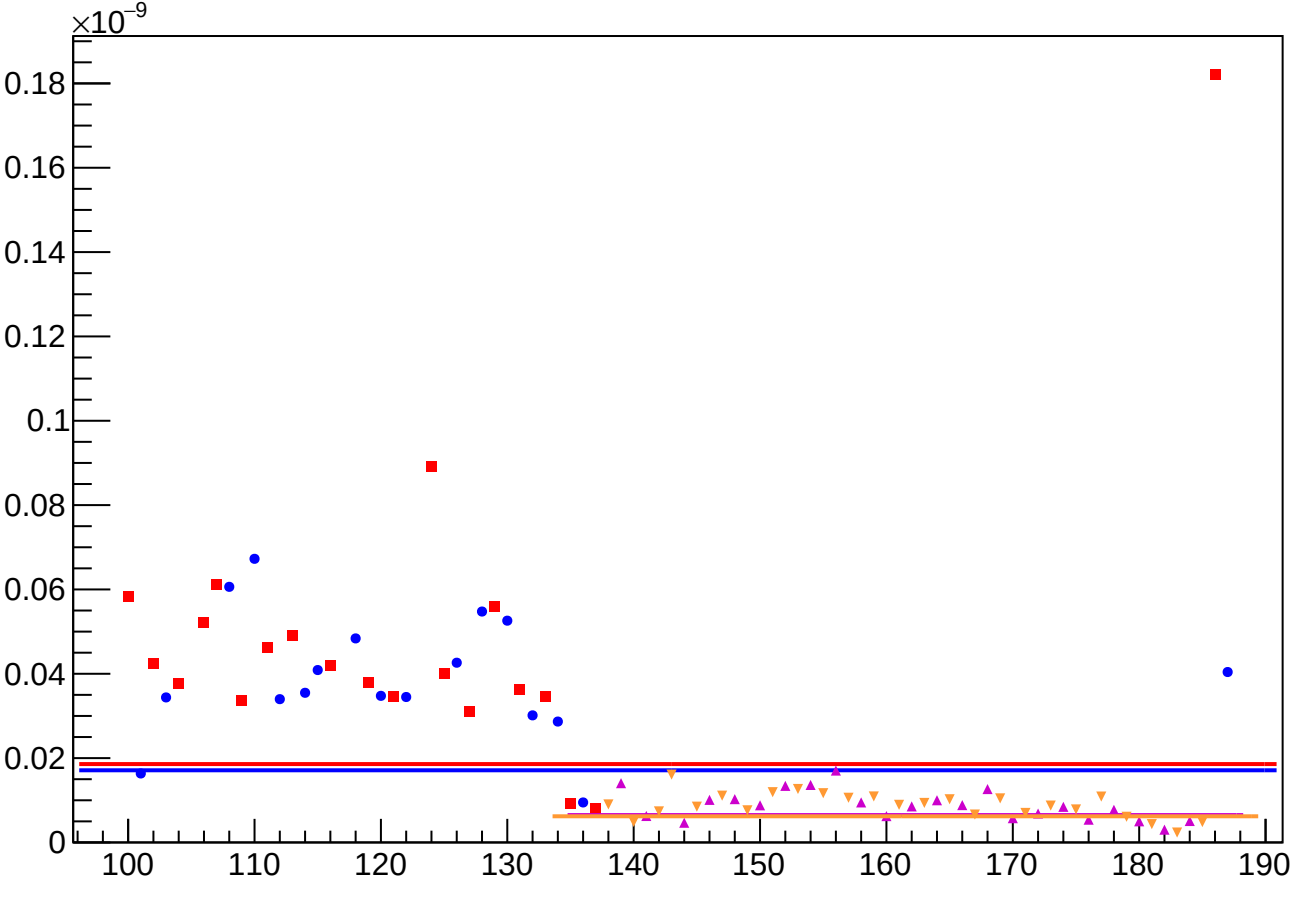
In: 34.756+/-0.006 χ^2/NDF:12178208.0/39

Out: 35.370+/-0.006 χ^2/NDF:15073126.4/44

All: 35.054+/-0.004 χ^2/NDF: 27256480.7/84


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.3/16
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.5/19
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 39.8/36
In: -0.000+/-0.000 χ²/NDF:33.2/39
Out: -0.000+/-0.000 χ²/NDF:57.8/44
All: -0.000+/-0.000 χ²/NDF: 91.6/84

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3290674.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4142818.5/19

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

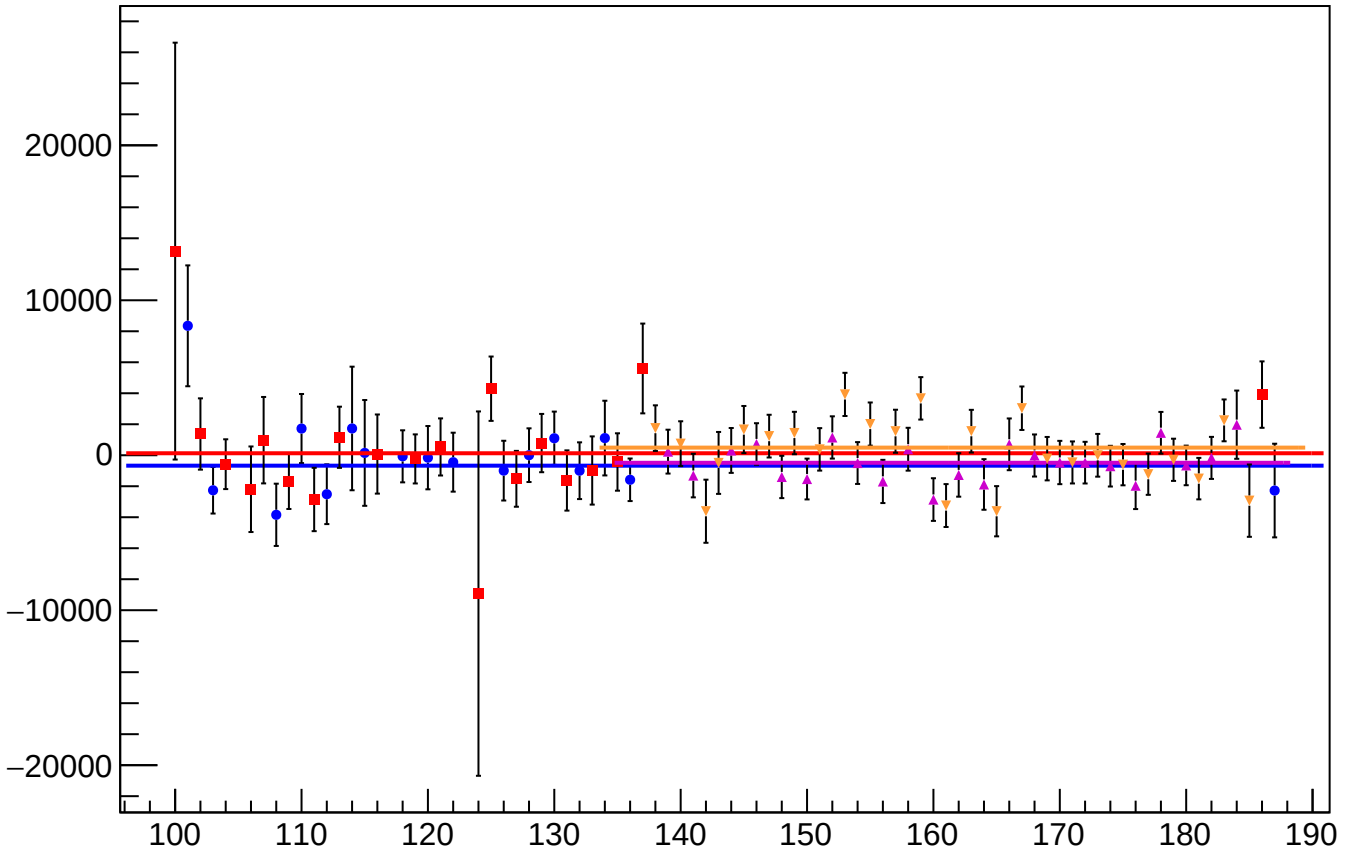
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7453277.8/36

In: 0.000+/-0.000 χ^2/NDF:9503961.9/39

Out: 0.000+/-0.000 χ^2/NDF:11655273.3/44

All: 0.000+/-0.000 χ^2/NDF: 21190192.5/84



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 128.473+/-475.595 χ^2/NDF: 19.1/19

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

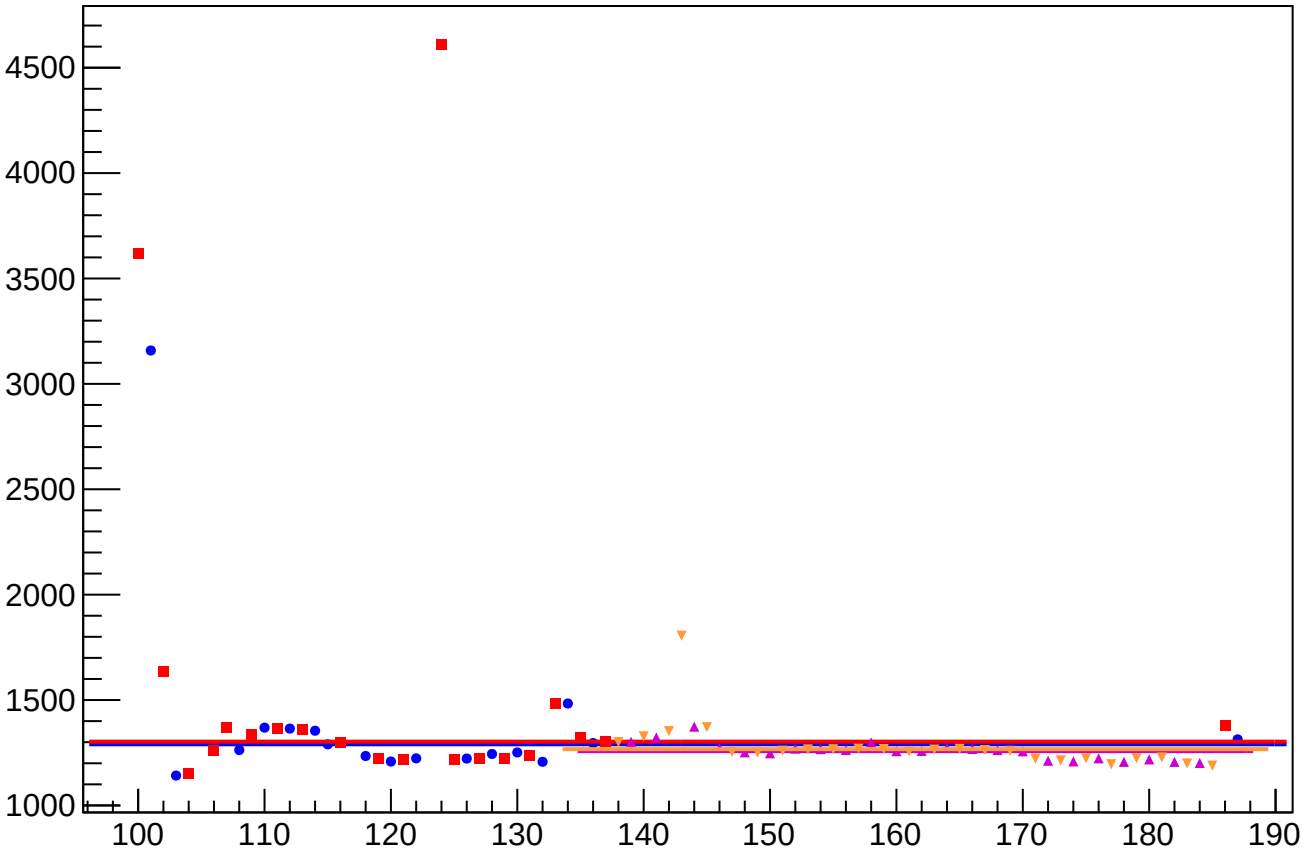
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -266.586+/-338.675 χ^2/NDF: 34.7/36

In: -537.195+/-250.905 χ^2/NDF:28.7/39

Out: 394.262+/-246.662 χ^2/NDF:66.5/44

All: -63.522+/-175.897 χ^2/NDF: 102.2/84



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1302.569+/-0.335 χ^2/NDF: 322015.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

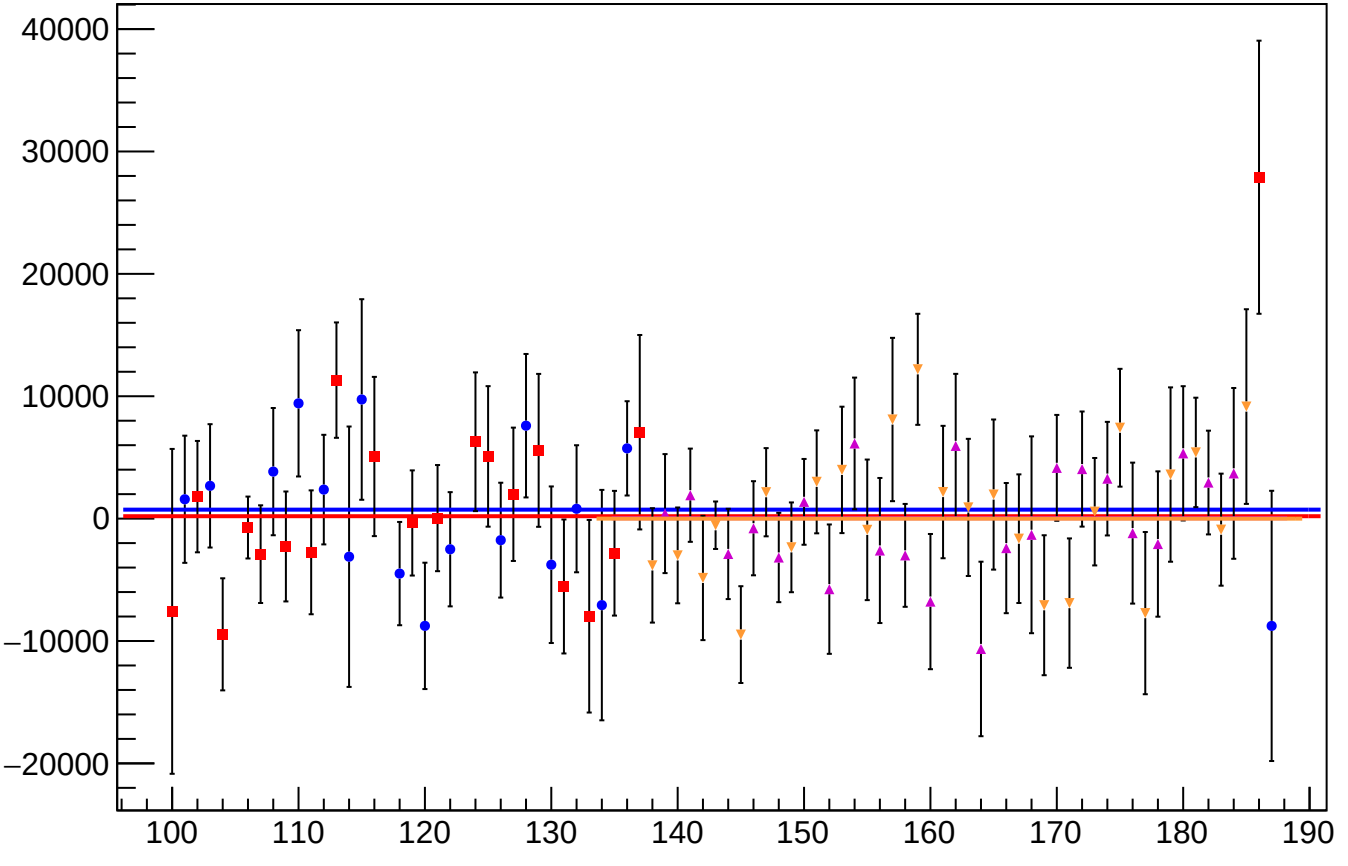
Right: 1296.425+/-0.239 χ^2/NDF: 837492.9/36

In: 1266.349+/-0.177 χ^2/NDF:558242.4/39

Out: 1276.579+/-0.174 χ^2/NDF:517783.0/44

All: 1271.555+/-0.124 χ^2/NDF: 1077717.1/84

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 197.309+/-1105.607 χ^2/NDF: 24.6/19

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

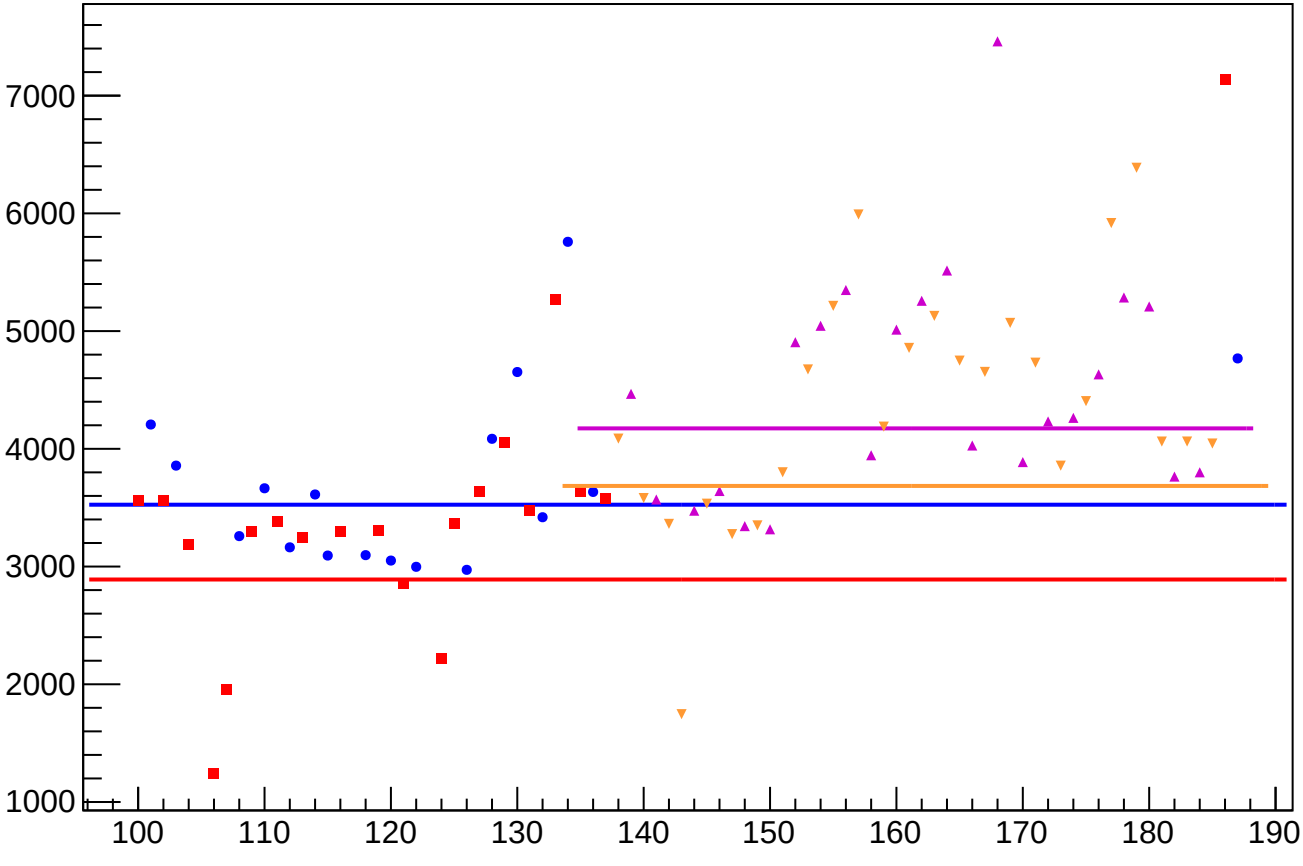
Right: 419.163+/-846.471 χ^2/NDF: 39.5/36

In: 287.018+/-793.818 χ^2/NDF:29.0/39

Out: 76.843+/-691.619 χ^2/NDF:53.7/44

All: 167.539+/-521.463 χ^2/NDF: 82.7/84

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2889.961+/-0.782 χ^2/NDF: 1792253.1/19

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

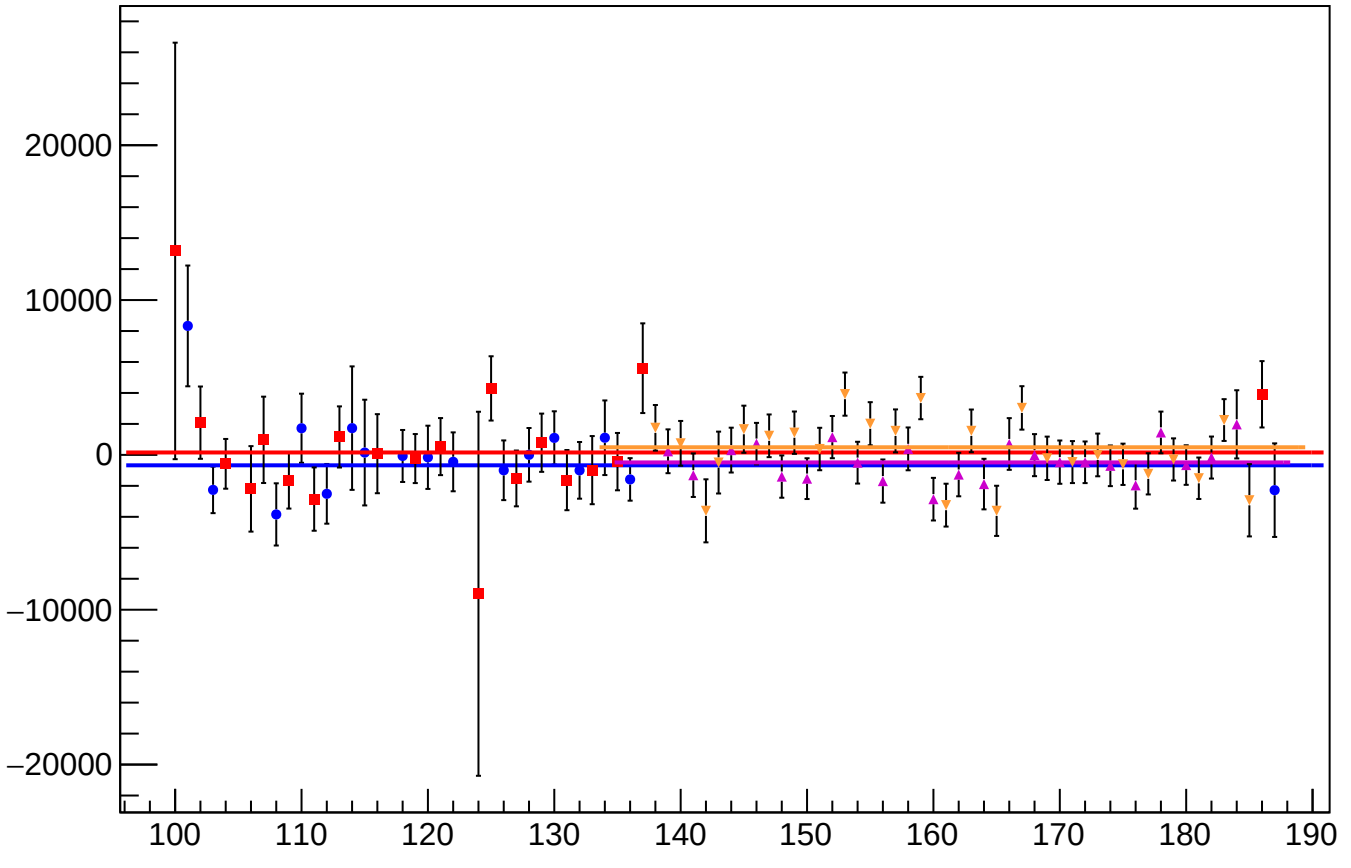
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3152.885+/-0.599 χ^2/NDF: 2445245.9/36

In: 3937.624+/-0.561 χ^2/NDF:1963400.0/39

Out: 3373.744+/-0.489 χ^2/NDF:6115030.3/44

All: 3617.072+/-0.369 χ^2/NDF: 8652116.4/84



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 156.296+/-475.895 χ^2/NDF: 19.6/19

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

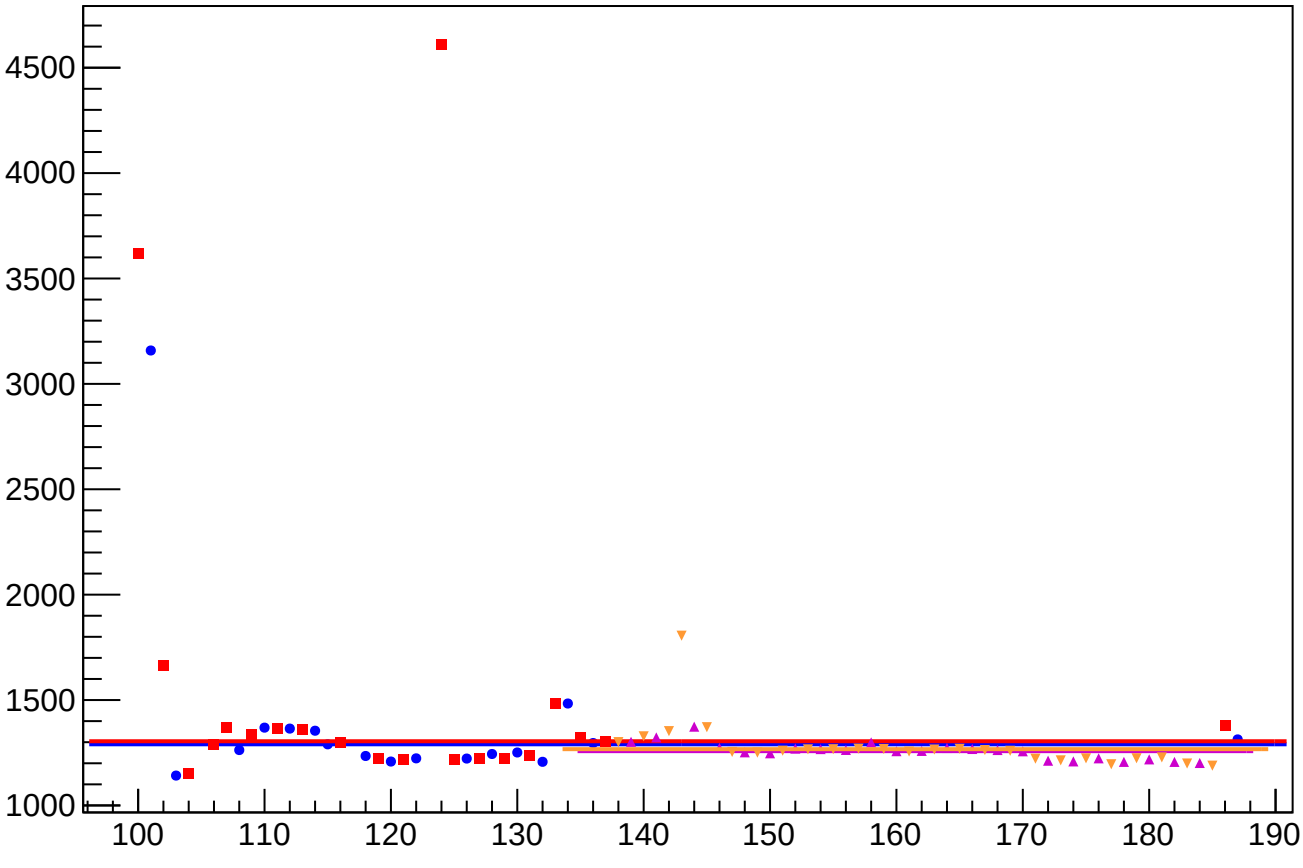
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -252.925+/-338.783 χ^2/NDF: 35.2/36

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -59.762+/-175.912 χ^2/NDF: 102.6/84



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

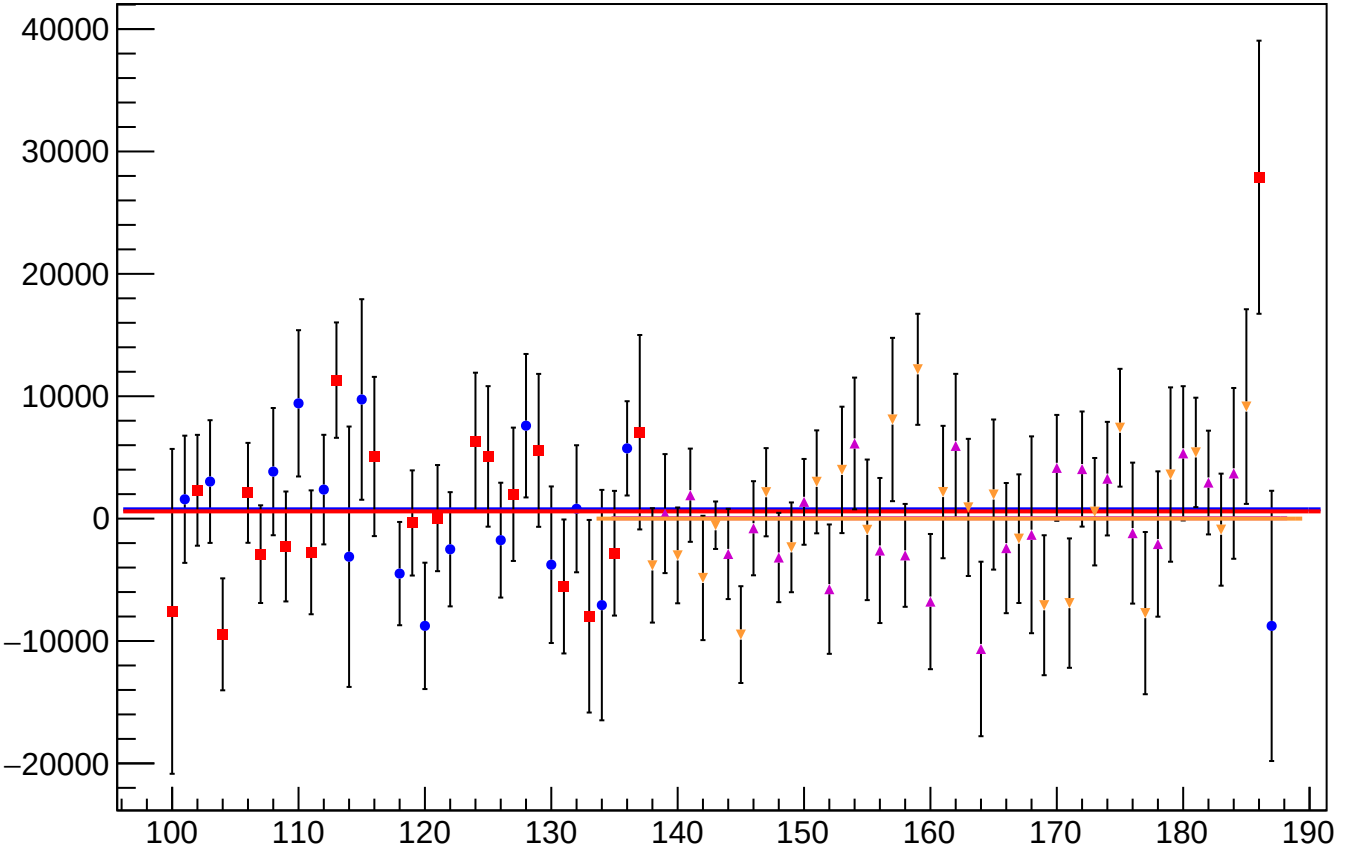
Right: 1297.401+/-0.239 χ^2/NDF: 844121.4/36

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

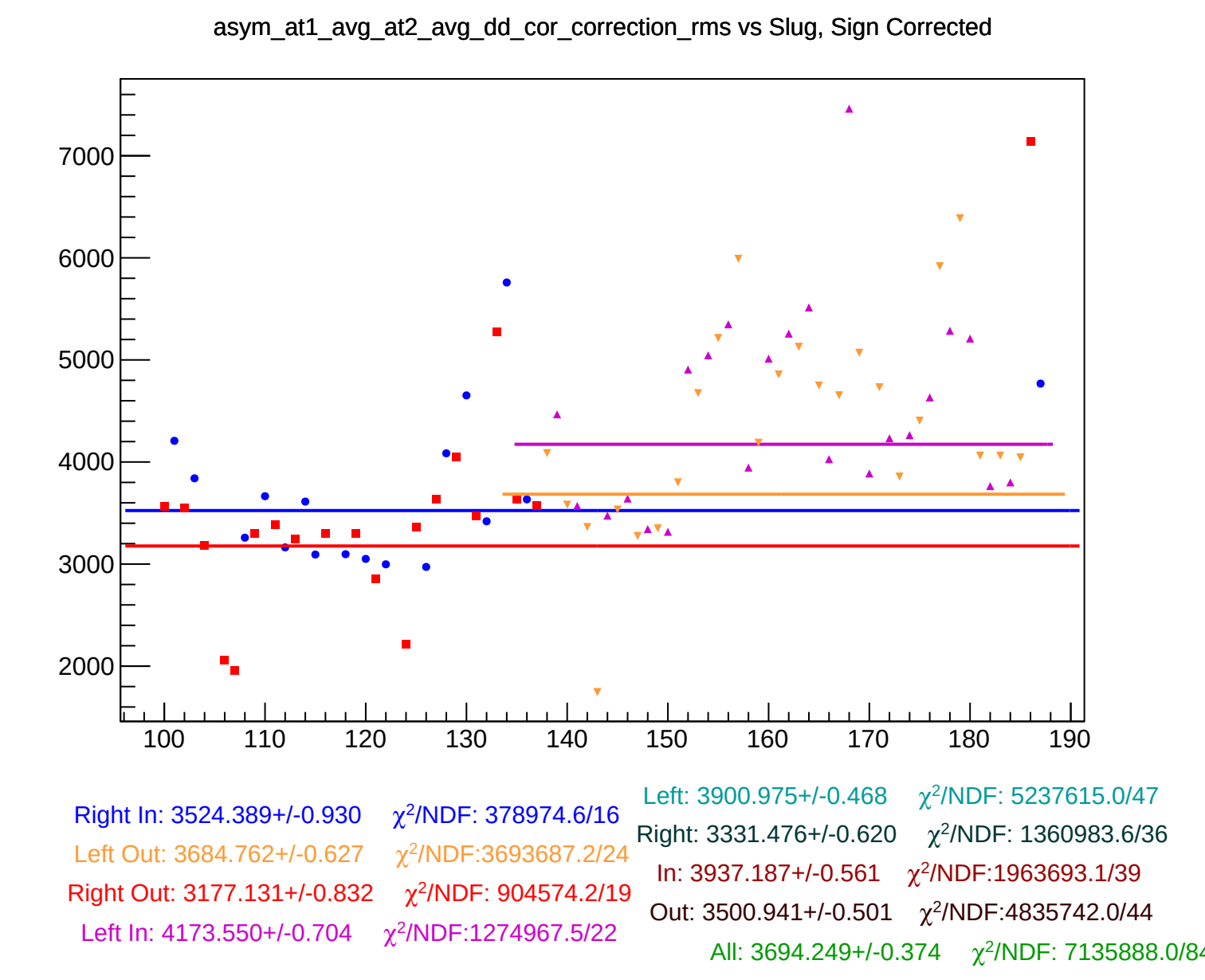
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

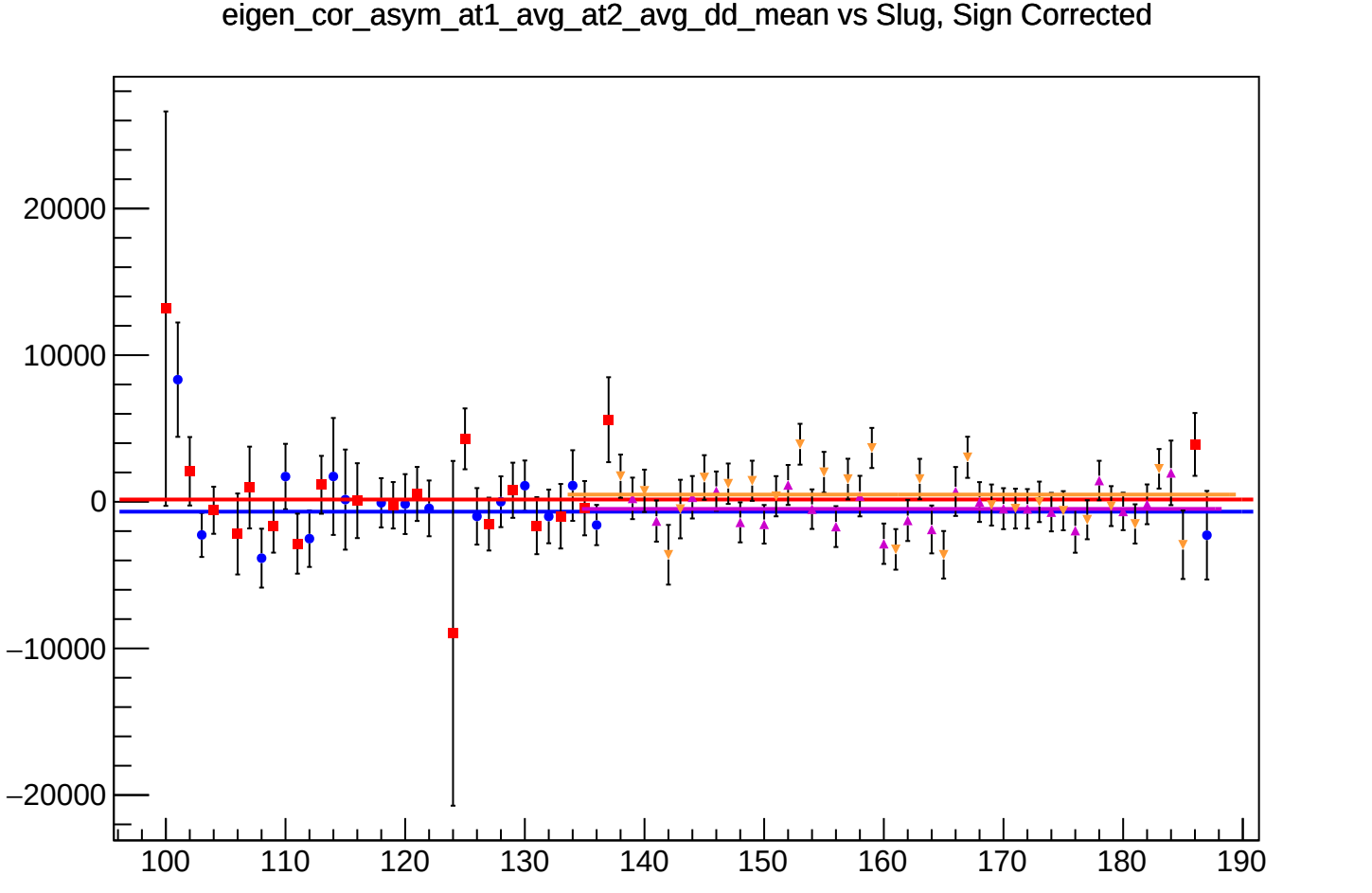
Right: 665.590+/-876.948 χ^2/NDF: 39.5/36

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 250.318+/-528.355 χ^2/NDF: 83.0/84


asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3524.389+/-0.930 χ²/NDF: 378974.6/16
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3177.131+/-0.832 χ²/NDF: 904574.2/19
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3331.476+/-0.620 χ²/NDF: 1360983.6/36
In: 3937.187+/-0.561 χ²/NDF:1963693.1/39
Out: 3500.941+/-0.501 χ²/NDF:4835742.0/44
All: 3694.249+/-0.374 χ²/NDF: 7135888.0/84



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 156.296+/-475.895 χ^2/NDF: 19.6/19

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

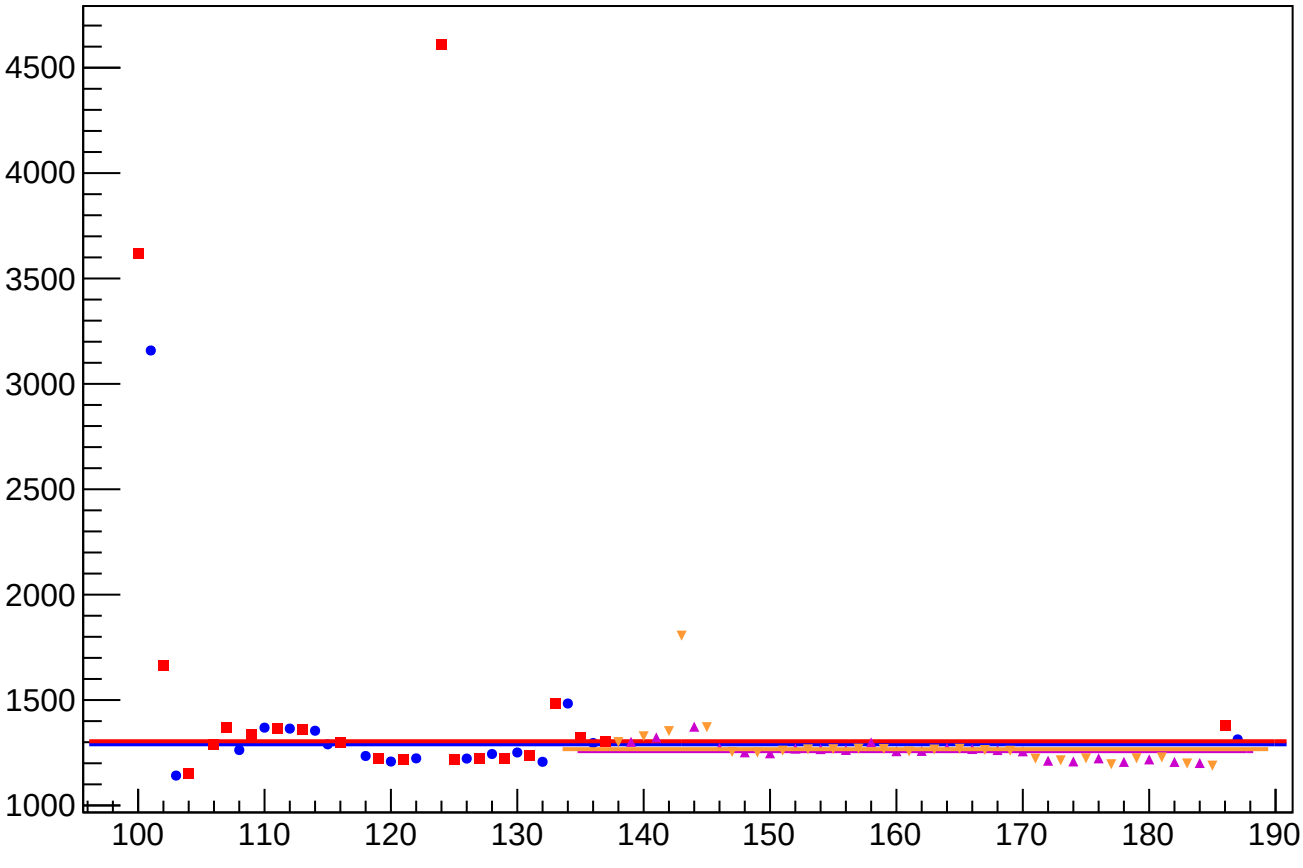
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -252.925+/-338.783 χ^2/NDF: 35.2/36

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -59.762+/-175.912 χ^2/NDF: 102.6/84



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

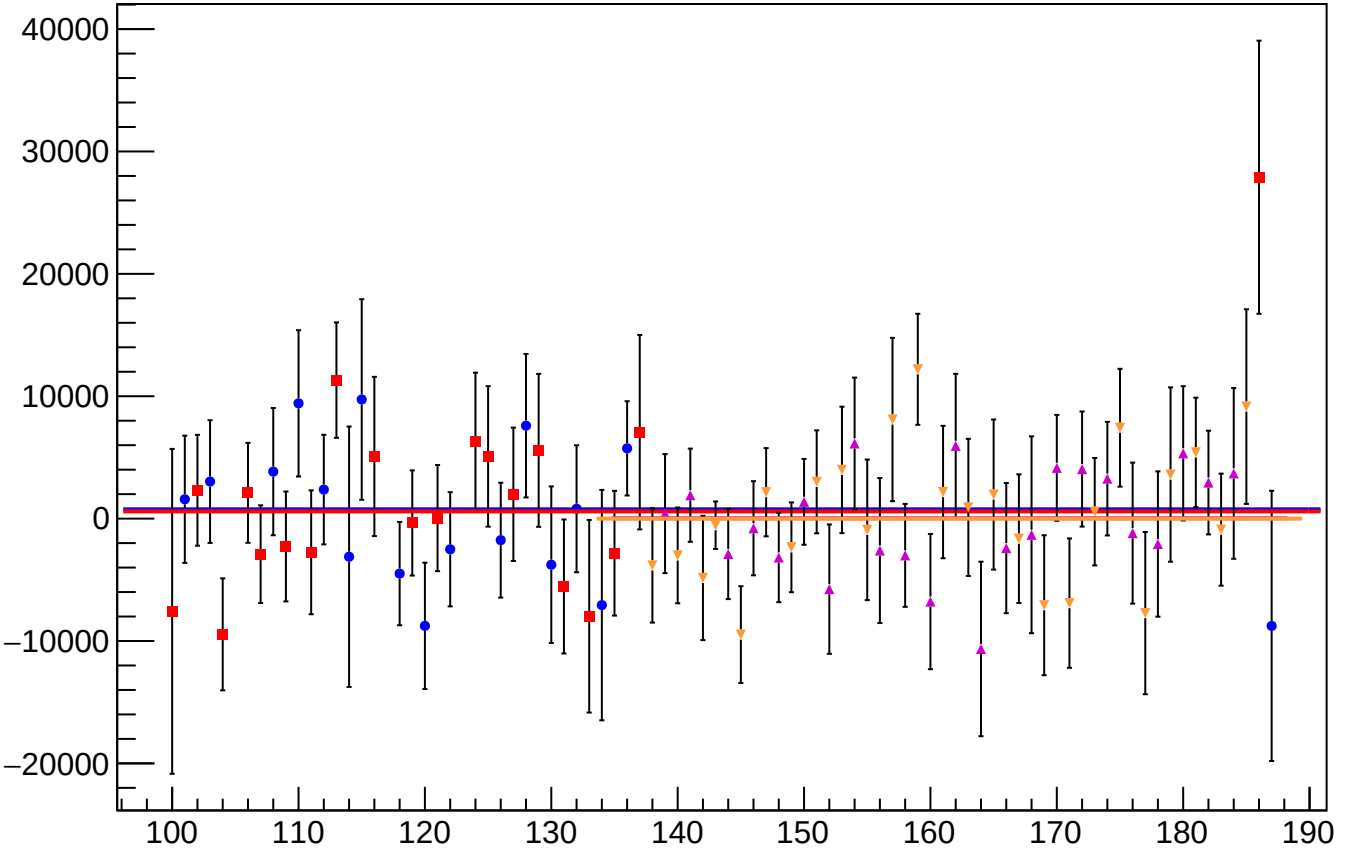
Right: 1297.401+/-0.239 χ^2/NDF: 844121.4/36

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

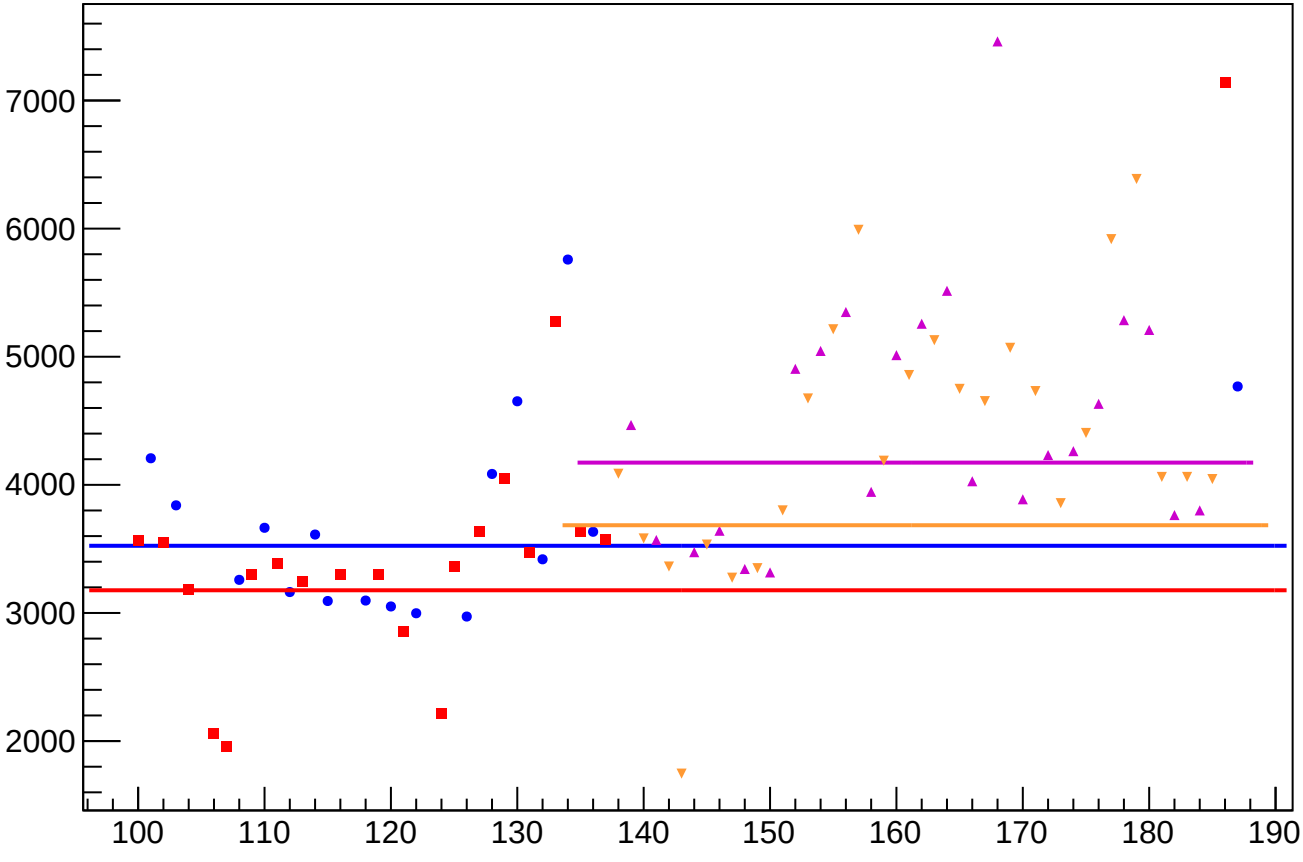
Right: 665.590+/-876.948 χ^2/NDF: 39.5/36

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 250.318+/-528.355 χ^2/NDF: 83.0/84

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

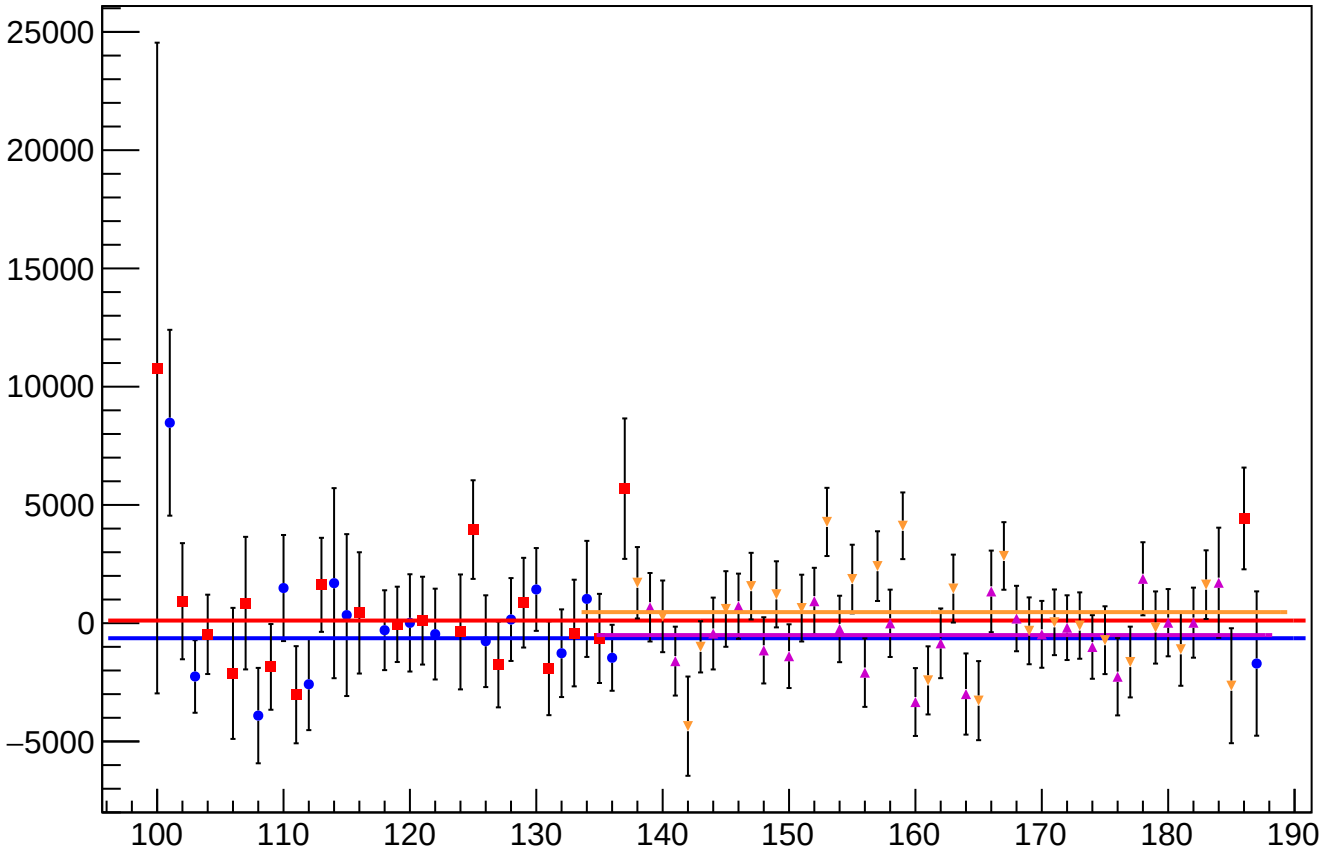
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3331.476+/-0.620 χ^2/NDF: 1360983.6/36

In: 3937.187+/-0.561 χ^2/NDF:1963693.1/39

Out: 3500.941+/-0.501 χ^2/NDF:4835742.0/44

All: 3694.249+/-0.374 χ^2/NDF: 7135888.0/84



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 111.422+/-473.633 χ^2/NDF: 19.1/19

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

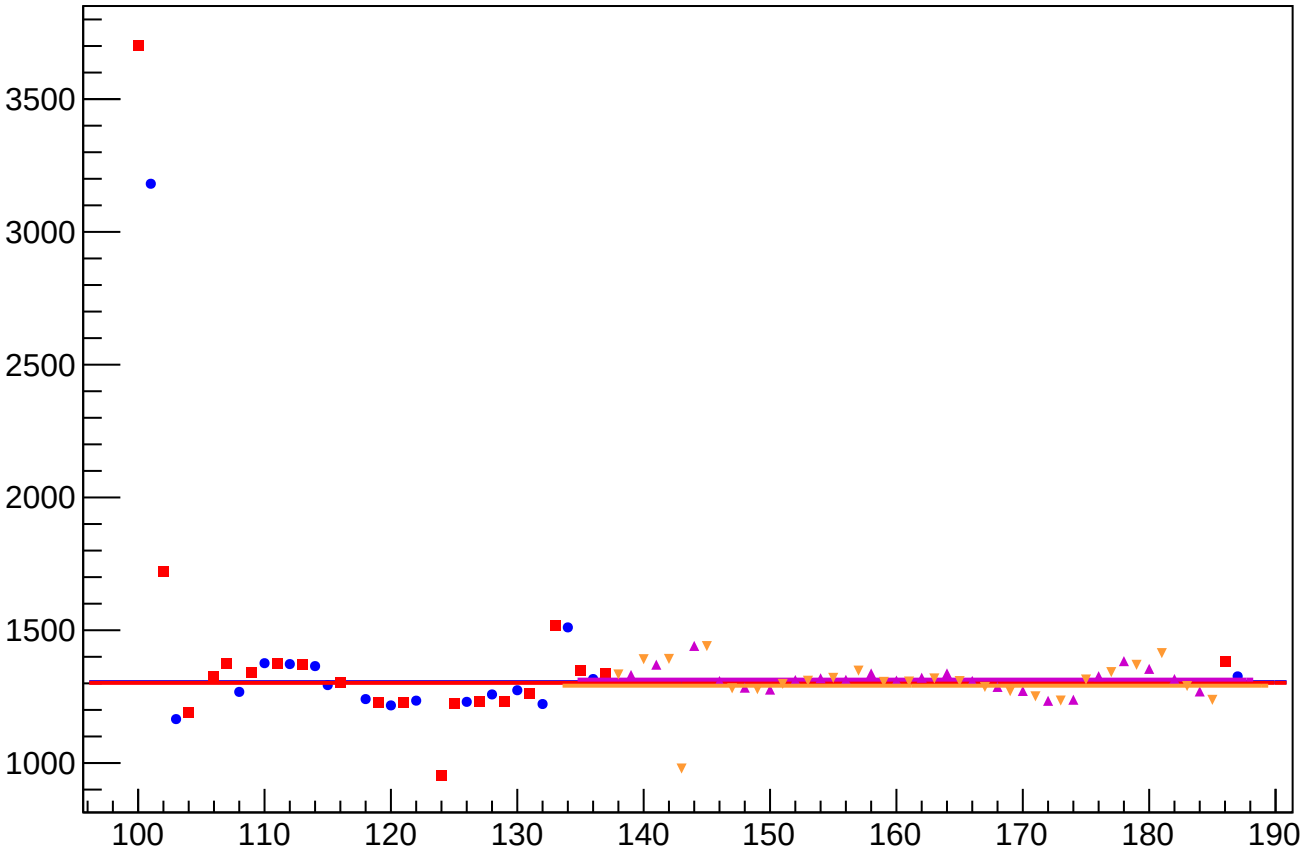
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -251.207+/-339.816 χ^2/NDF: 34.5/36

In: -541.111+/-259.863 χ^2/NDF:31.7/39

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -68.544+/-180.143 χ^2/NDF: 101.7/84



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.2/19

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

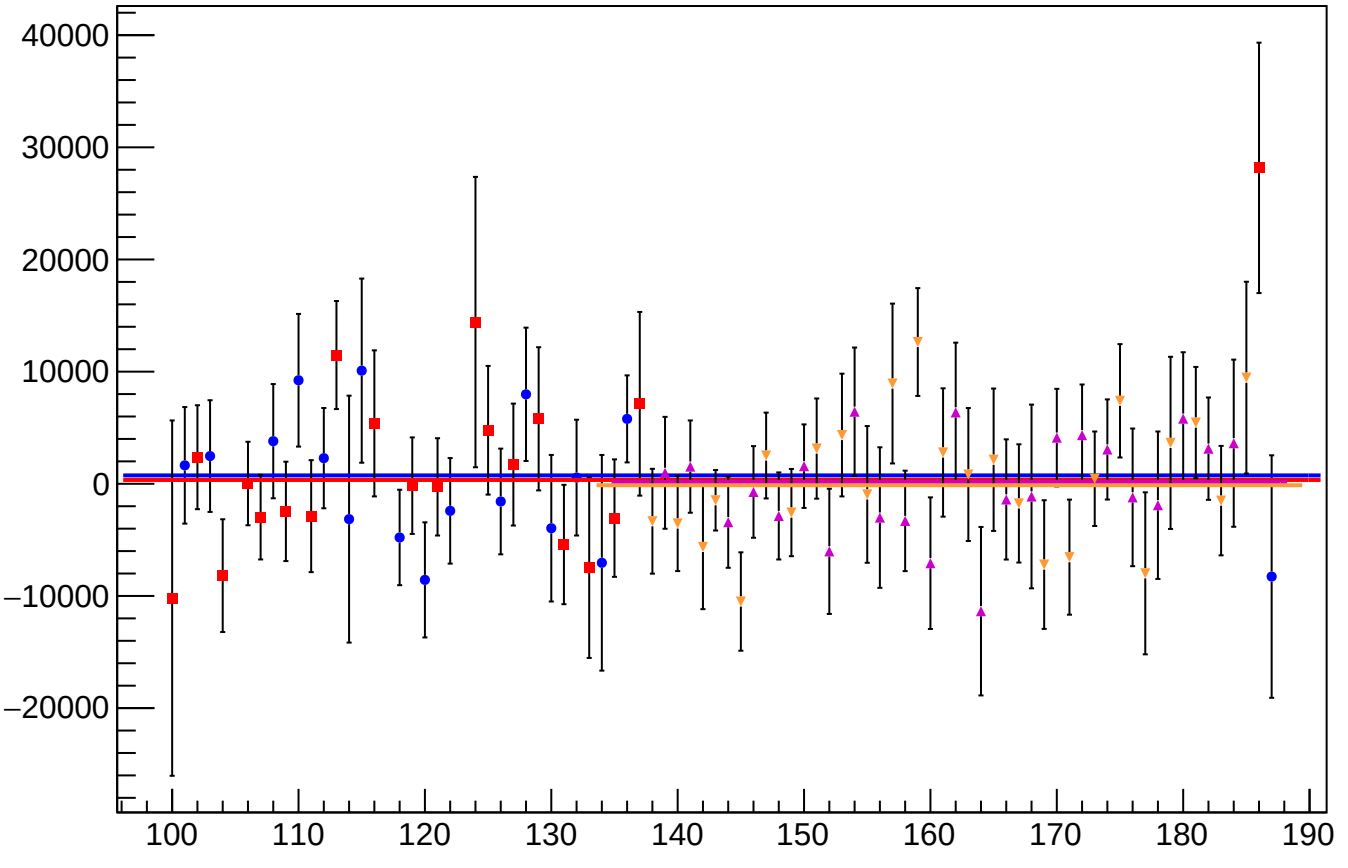
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1303.269+/-0.240 χ^2/NDF: 726850.2/36

In: 1311.356+/-0.184 χ^2/NDF:554261.6/39

Out: 1294.205+/-0.177 χ^2/NDF:447604.2/44

All: 1302.445+/-0.127 χ^2/NDF: 1006392.1/84



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 342.260+/-1193.140 χ^2/NDF: 23.1/19

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

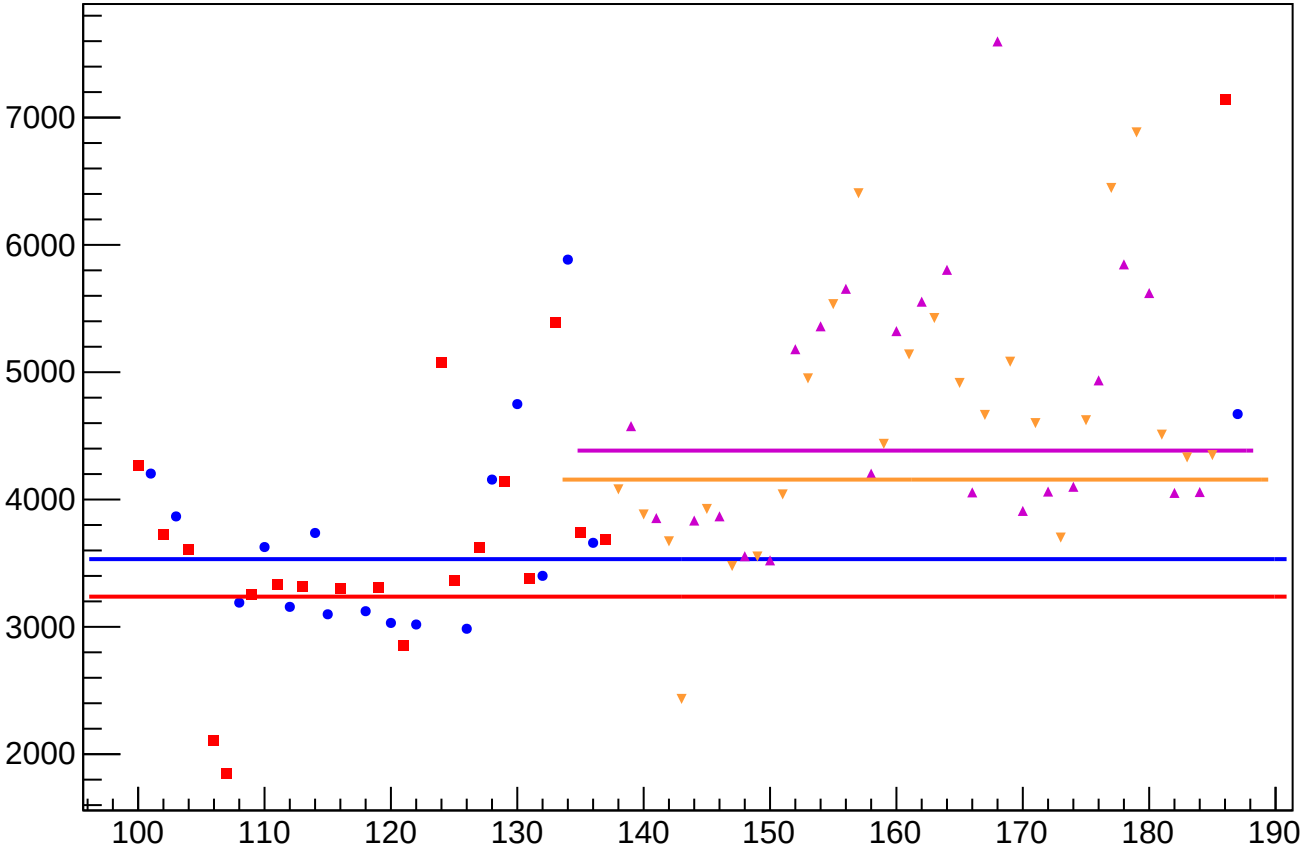
Right: 525.124+/-884.385 χ^2/NDF: 38.0/36

In: 386.904+/-818.975 χ^2/NDF:28.7/39

Out: 61.242+/-756.016 χ^2/NDF:51.8/44

All: 211.075+/-555.510 χ^2/NDF: 80.6/84

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3237.299+/-0.844 χ^2/NDF: 1019707.5/19

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

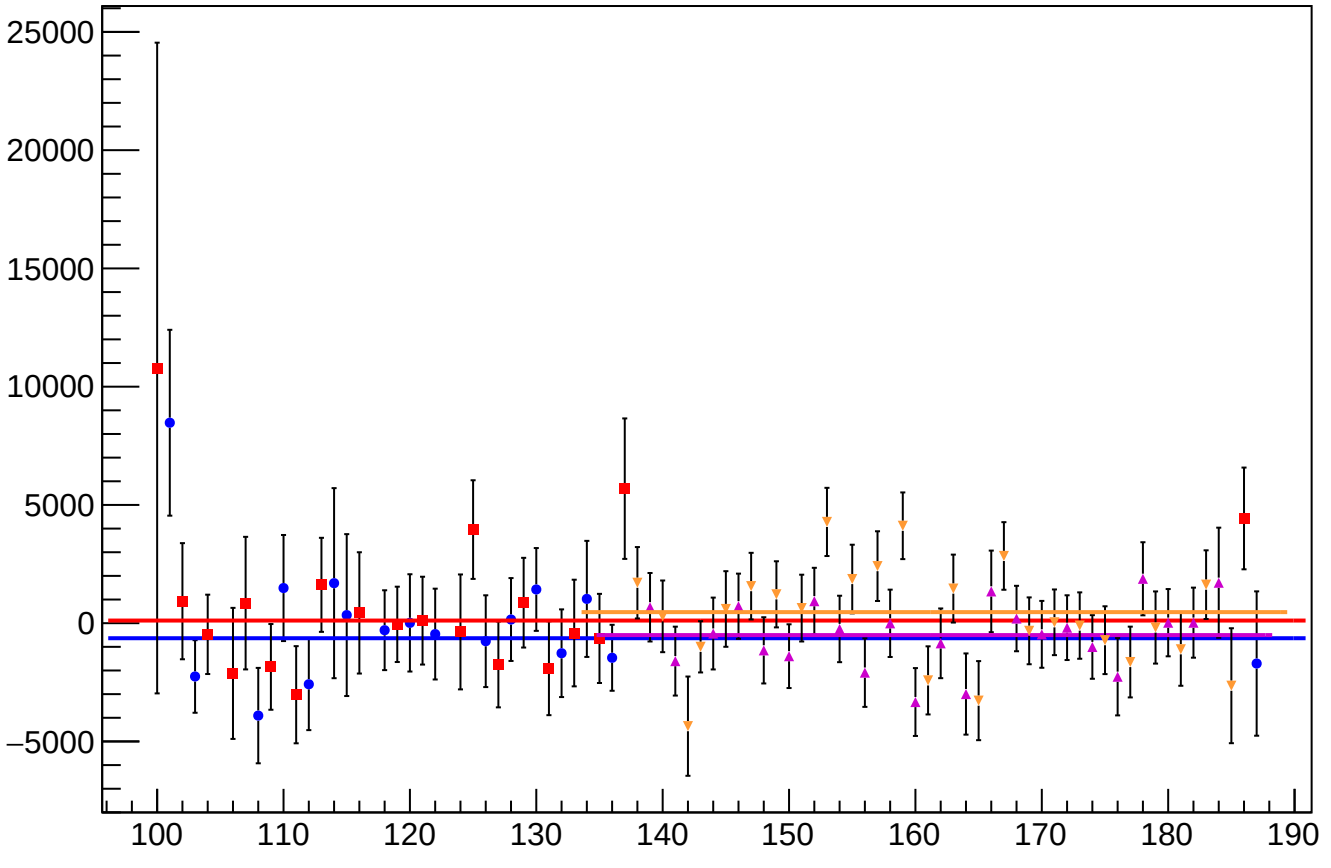
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3370.052+/-0.625 χ^2/NDF: 1472282.1/36

In: 4054.955+/-0.579 χ^2/NDF:2166784.2/39

Out: 3787.495+/-0.535 χ^2/NDF:3811055.0/44

All: 3910.550+/-0.393 χ^2/NDF: 6093006.5/84



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 111.413+/-473.633 χ^2/NDF: 19.1/19

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

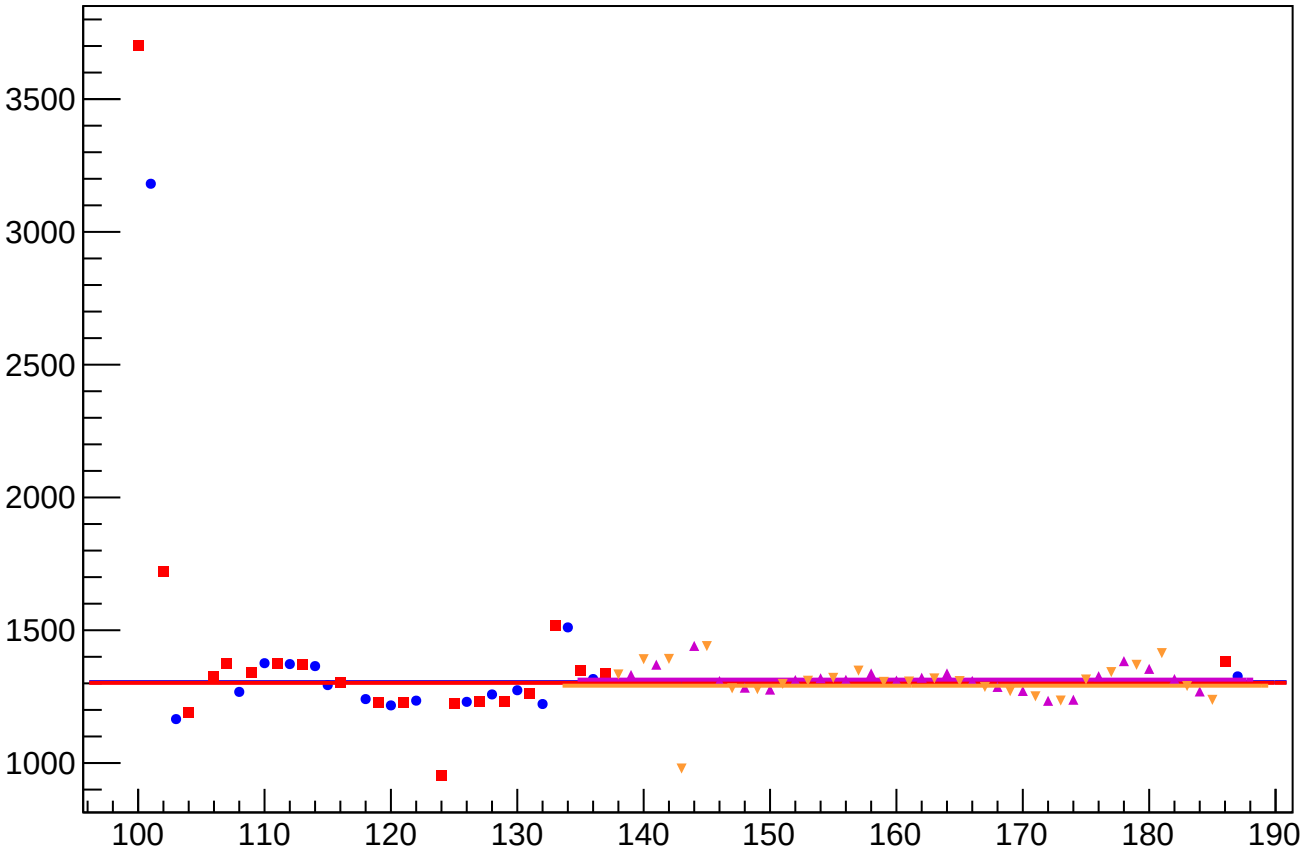
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -251.214+/-339.816 χ^2/NDF: 34.5/36

In: -541.113+/-259.863 χ^2/NDF:31.7/39

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -68.545+/-180.143 χ^2/NDF: 101.7/84



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.3/19

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

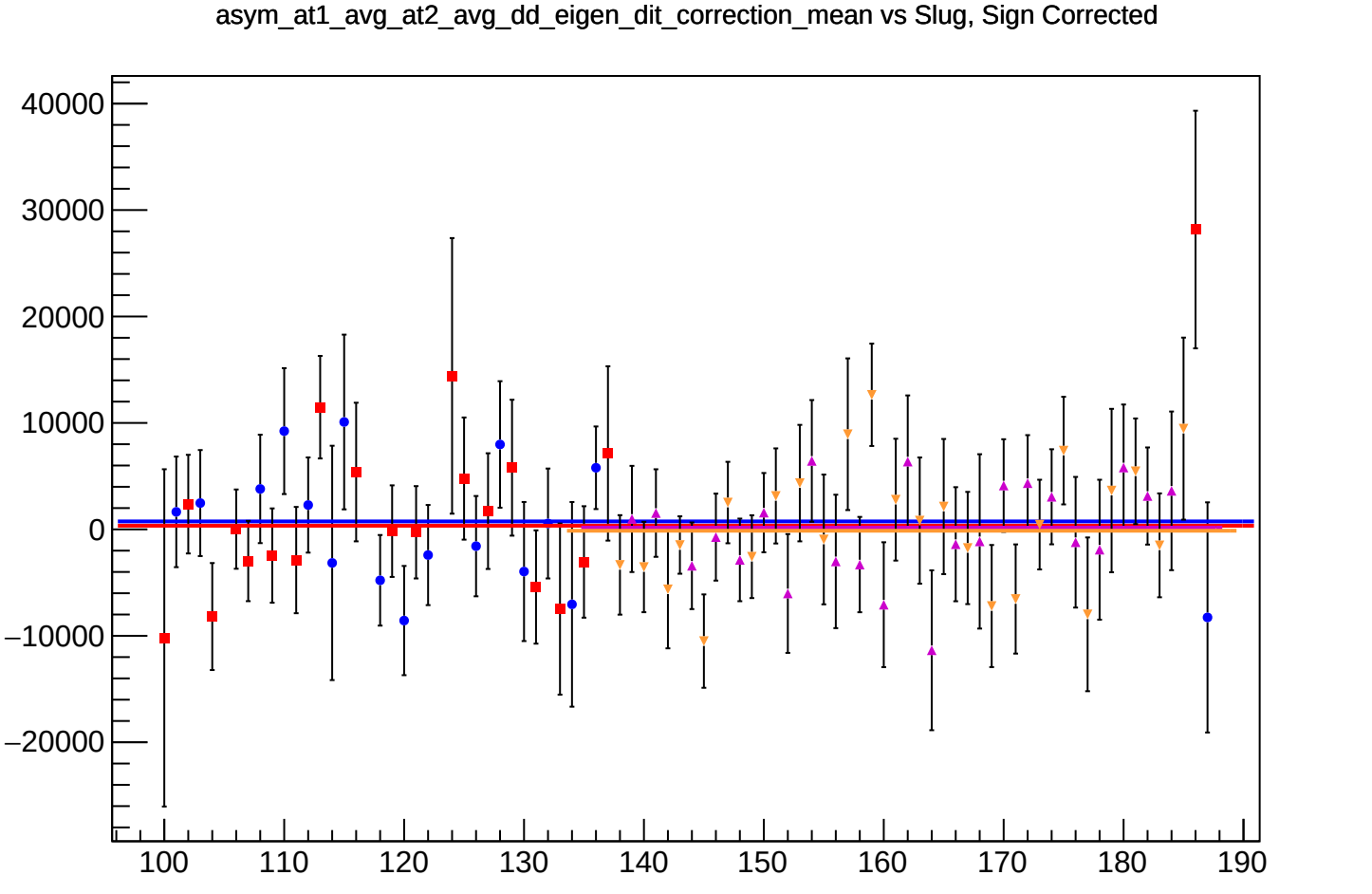
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

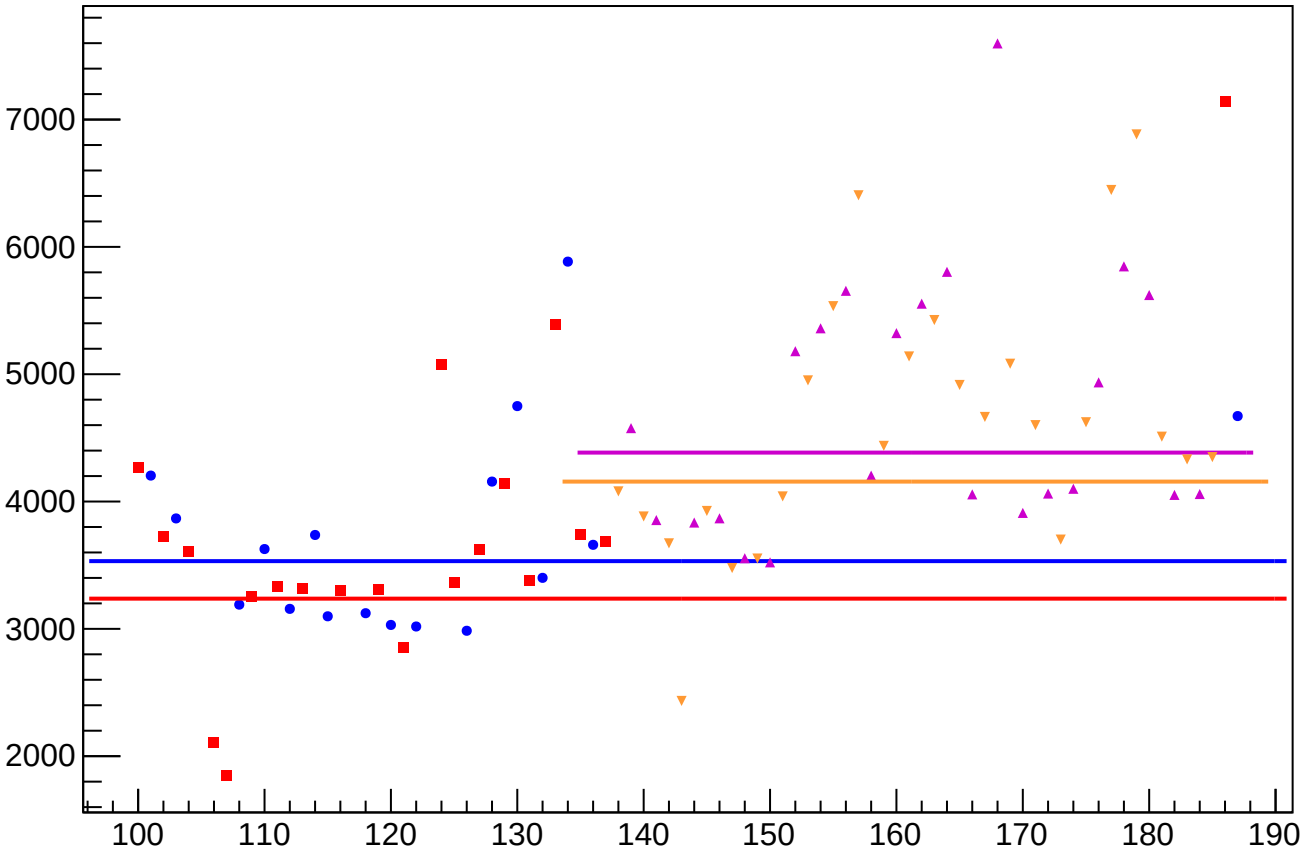
Right: 1303.269+/-0.240 χ^2/NDF: 726850.4/36

In: 1311.357+/-0.184 χ^2/NDF:554264.0/39

Out: 1294.206+/-0.177 χ^2/NDF:447606.6/44

All: 1302.446+/-0.127 χ^2/NDF: 1006396.9/84


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 748.085+/-1317.502 χ²/NDF: 14.8/16
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 342.255+/-1193.137 χ²/NDF: 23.1/19
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 525.116+/-884.383 χ²/NDF: 38.0/36
In: 386.902+/-818.975 χ²/NDF:28.7/39
Out: 61.242+/-756.016 χ²/NDF:51.8/44
All: 211.075+/-555.510 χ²/NDF: 80.6/84



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3237.291+/-0.844 χ^2/NDF: 1019710.1/19

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

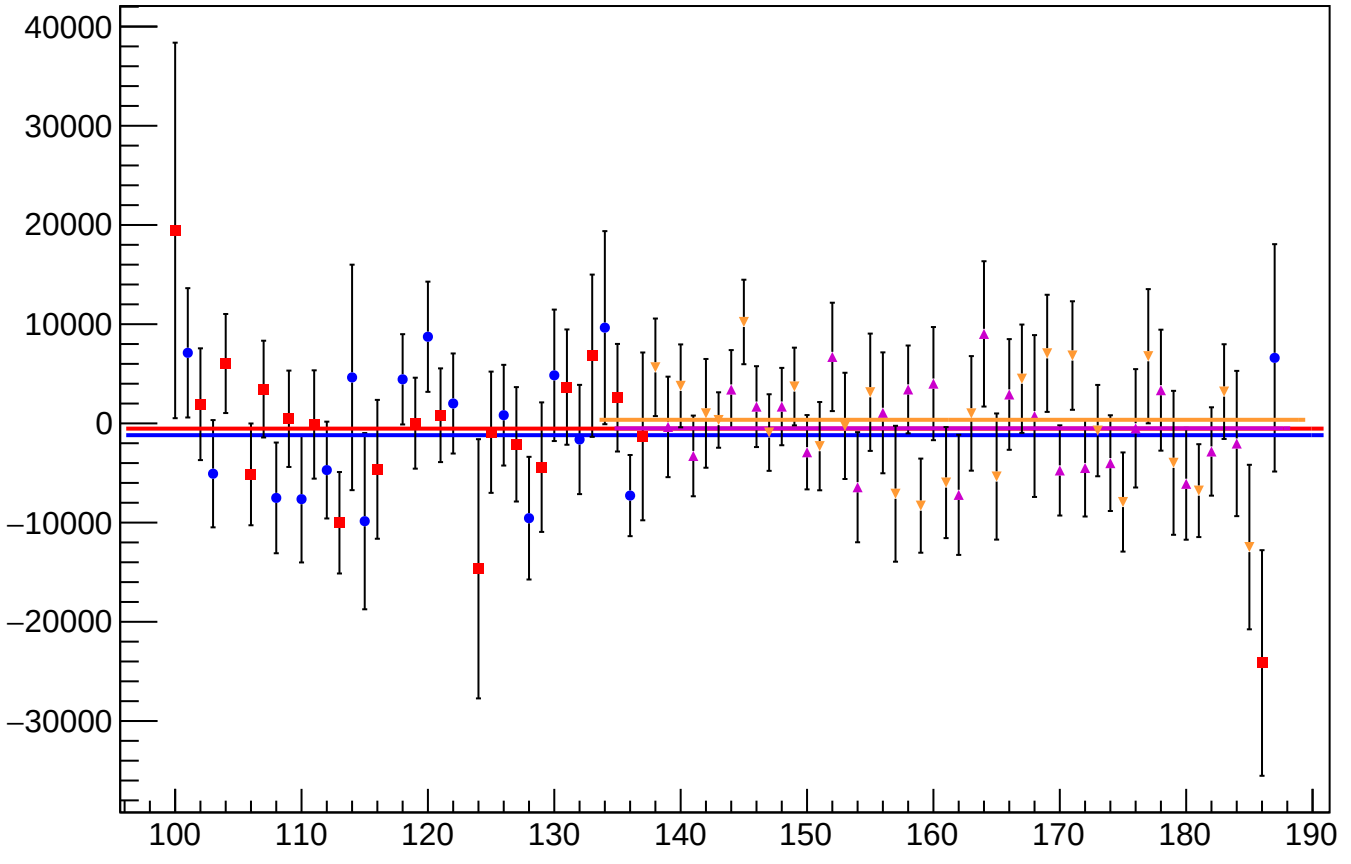
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3370.043+/-0.625 χ^2/NDF: 1472289.4/36

In: 4054.954+/-0.579 χ^2/NDF:2166813.0/39

Out: 3787.494+/-0.535 χ^2/NDF:3811083.9/44

All: 3910.549+/-0.393 χ^2/NDF: 6093064.1/84



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -527.725+/-1326.934 χ^2/NDF: 16.0/19

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

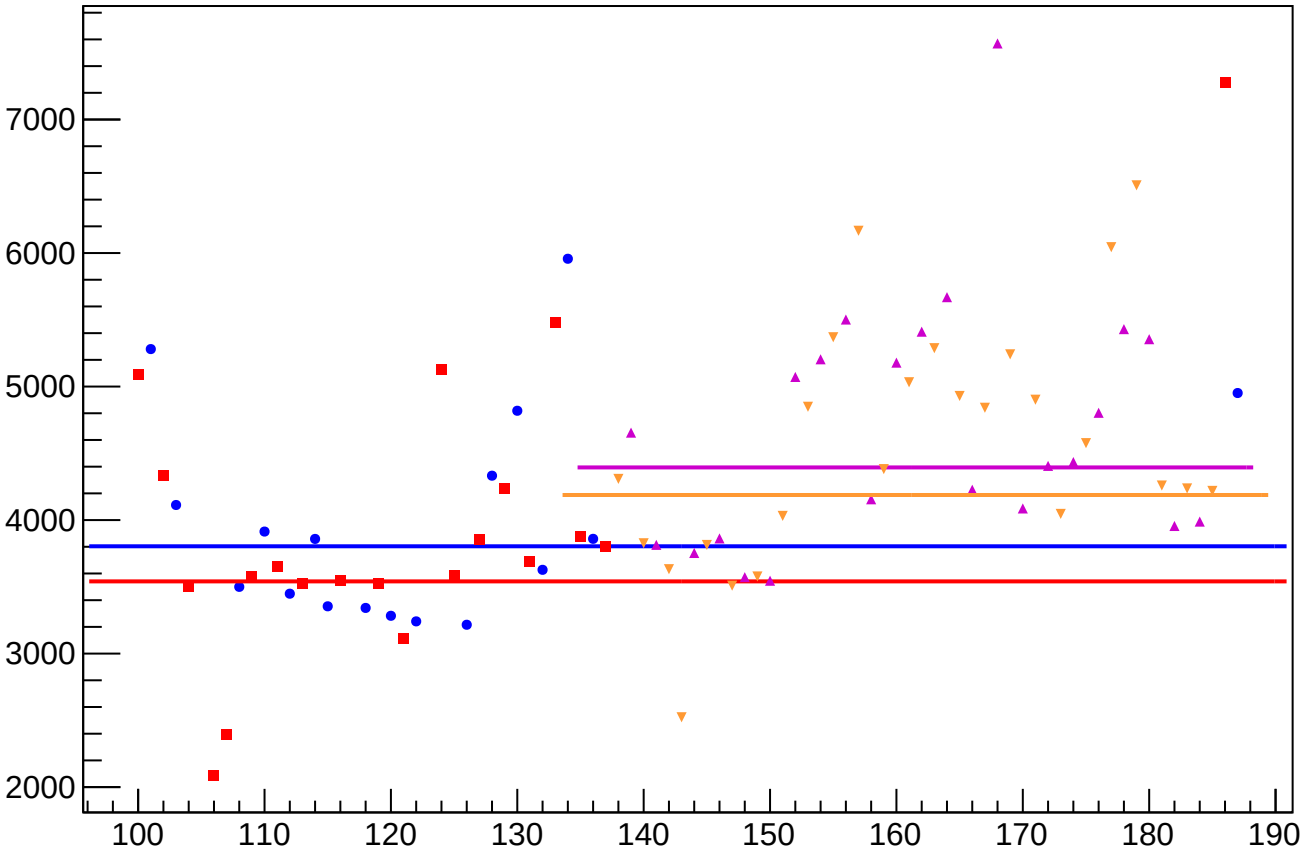
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -835.248+/-969.702 χ^2/NDF: 34.2/36

In: -739.776+/-841.623 χ^2/NDF:32.1/39

Out: 48.382+/-788.241 χ^2/NDF:44.0/44

All: -319.910+/-575.317 χ^2/NDF: 76.5/84



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3540.810+/-0.926 χ^2/NDF: 805651.3/19

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

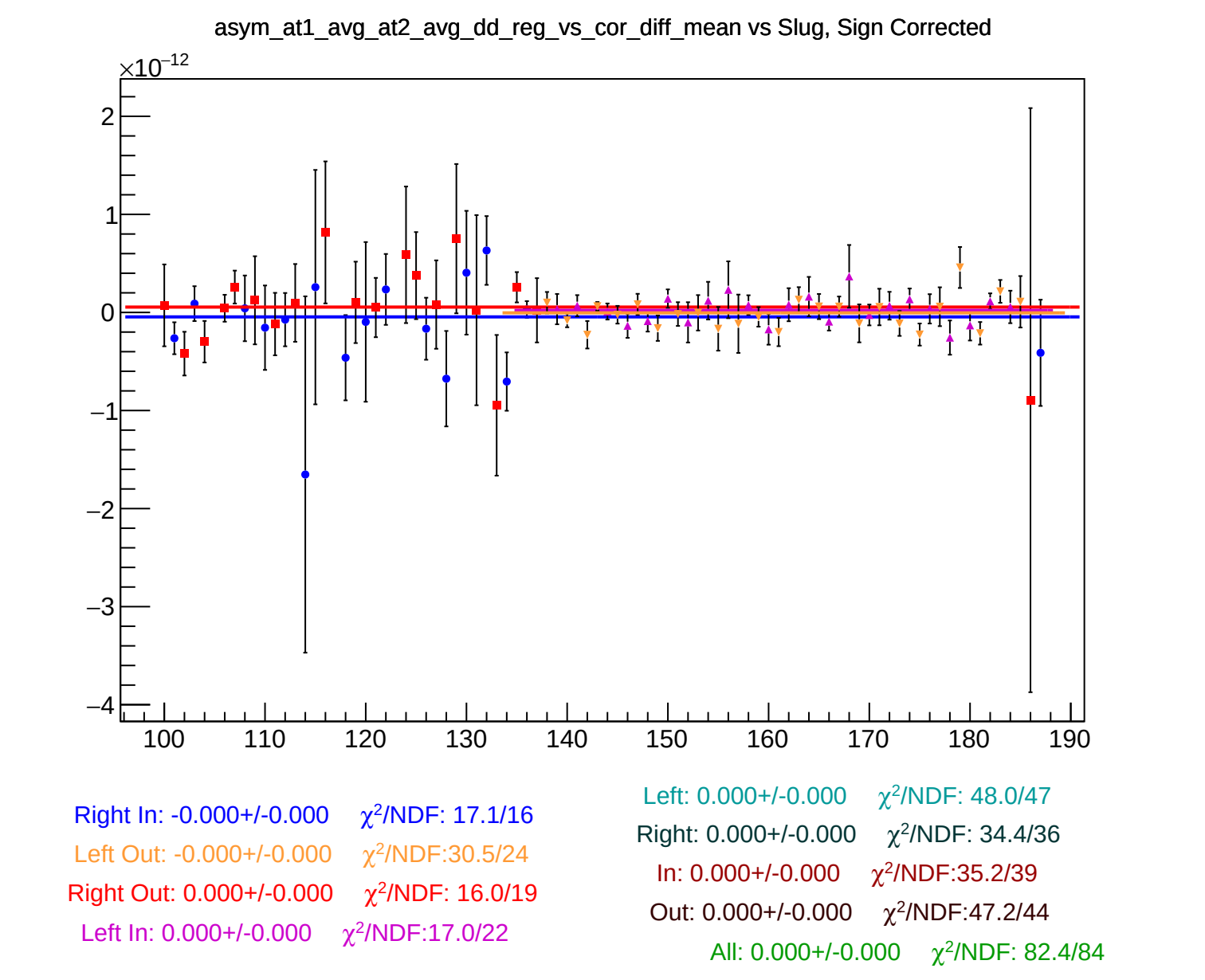
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

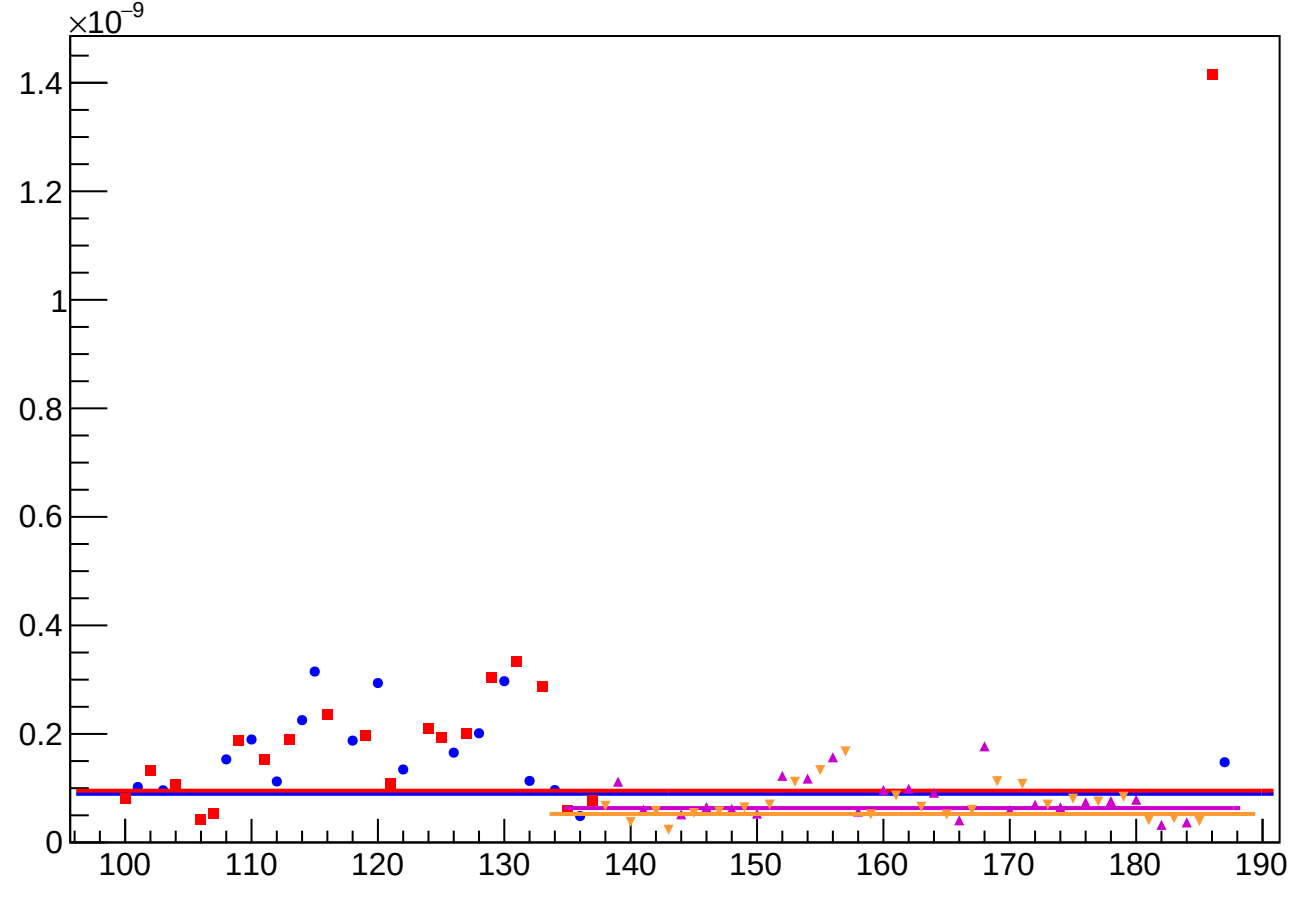
Right: 3661.531+/-0.681 χ^2/NDF: 1246063.4/36

In: 4187.011+/-0.595 χ^2/NDF:1716151.8/39

Out: 3955.508+/-0.555 χ^2/NDF:2915149.5/44

All: 4063.130+/-0.406 χ^2/NDF: 4712277.4/84


asym_at1_avg_at2_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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/16
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/19
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: 0.000+/-0.000 χ²/NDF: 34.4/36
In: 0.000+/-0.000 χ²/NDF:35.2/39
Out: 0.000+/-0.000 χ²/NDF:47.2/44
All: 0.000+/-0.000 χ²/NDF: 82.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2127050.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

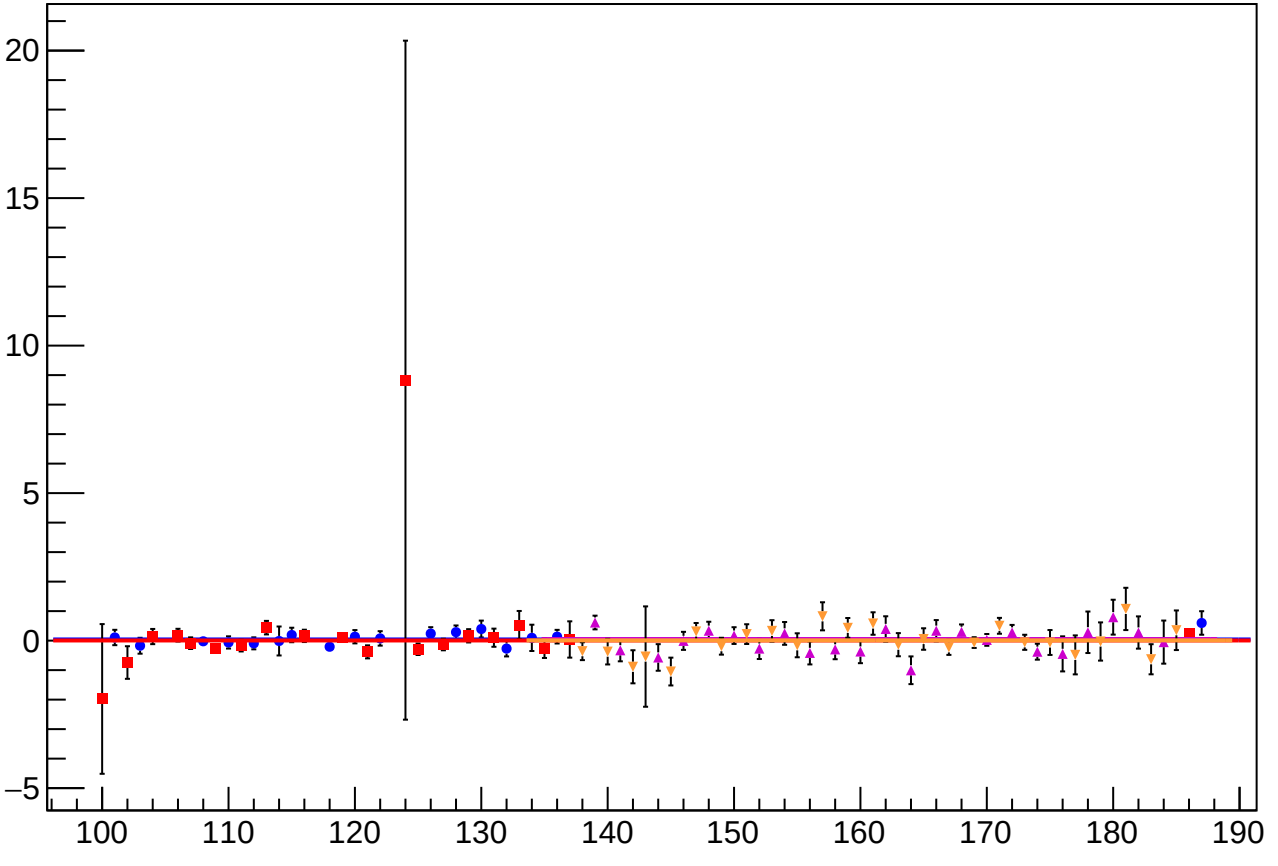
Right: 0.000+/-0.000 χ^2/NDF: 3619847.5/36

In: 0.000+/-0.000 χ^2/NDF:3607391.7/39

Out: 0.000+/-0.000 χ^2/NDF:5559371.3/44

All: 0.000+/-0.000 χ^2/NDF: 9390157.8/84

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

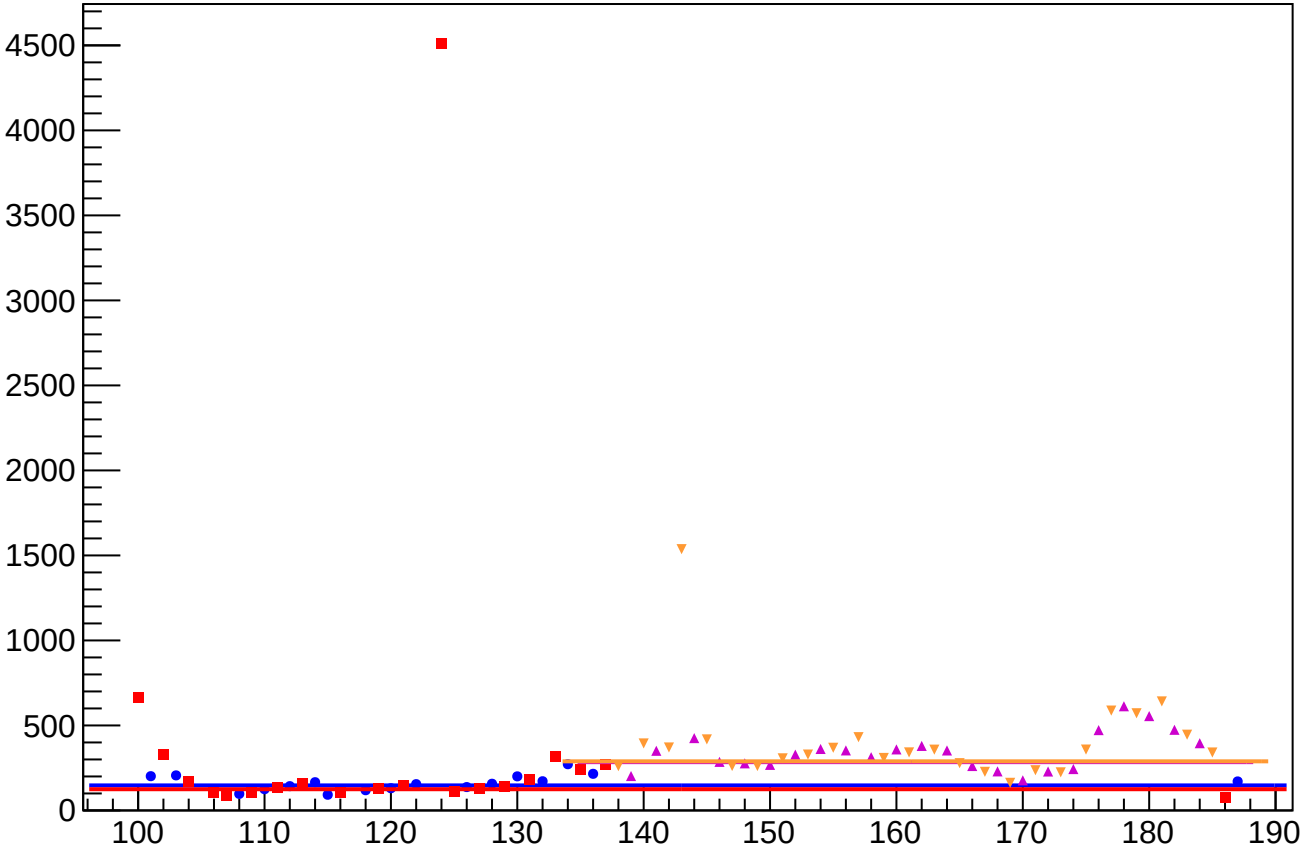
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

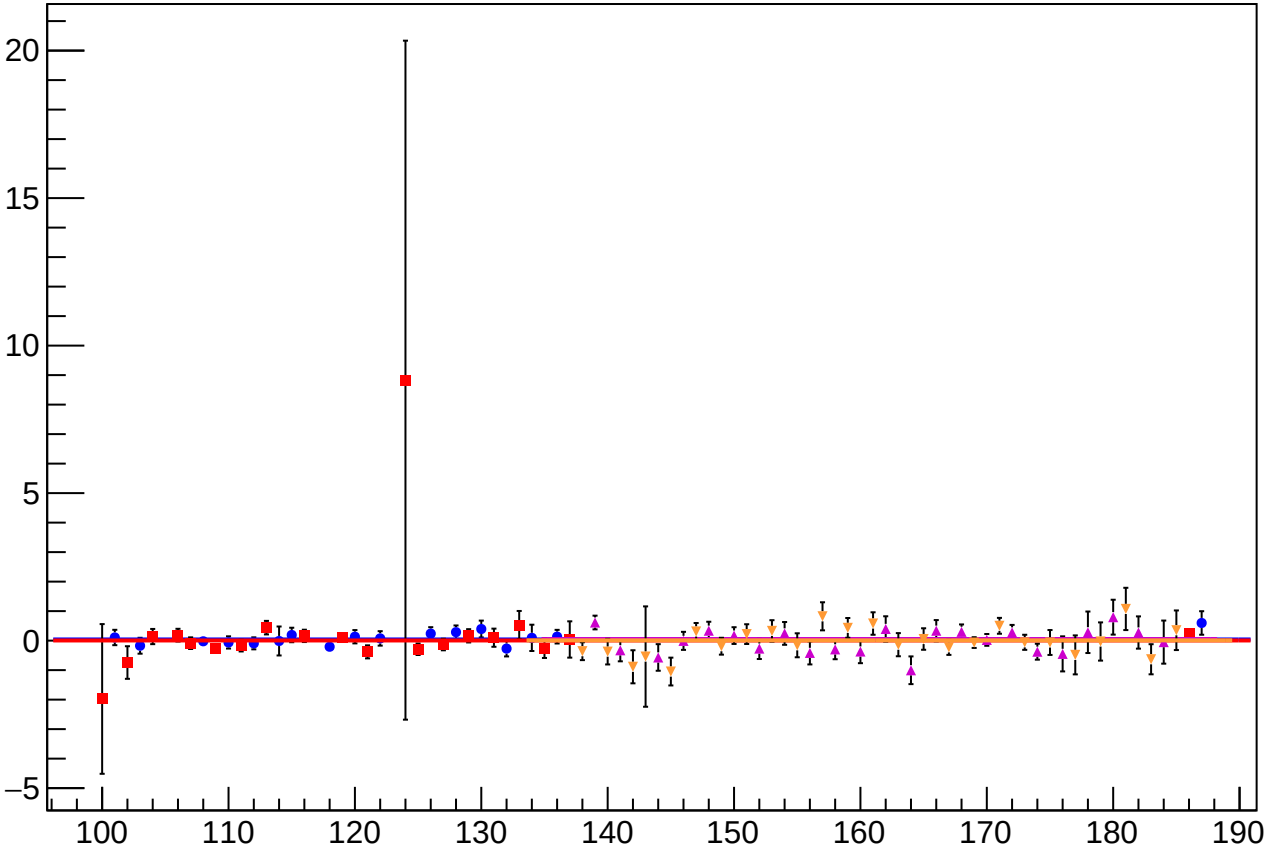
Right: 134.675+/-0.027 χ^2/NDF: 3170023.1/36

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

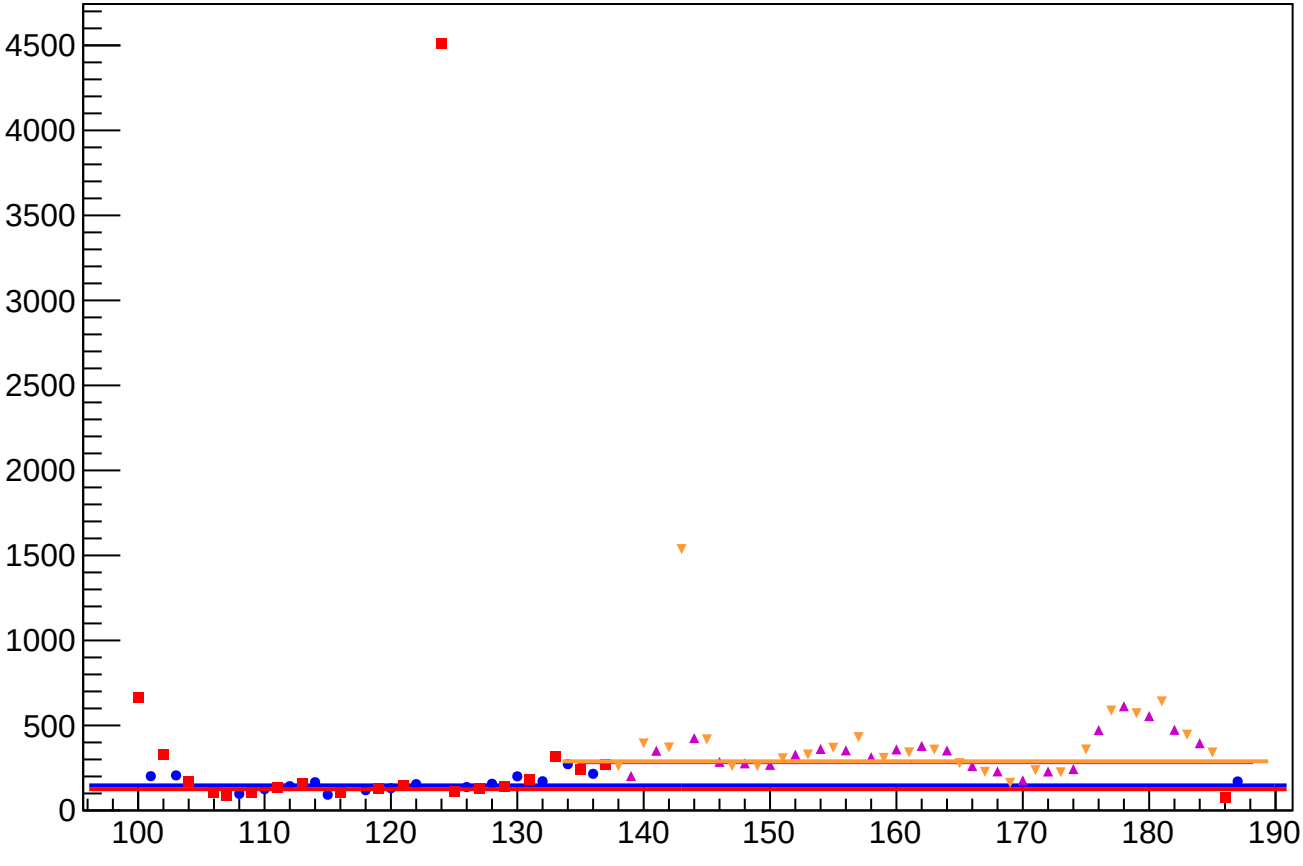
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

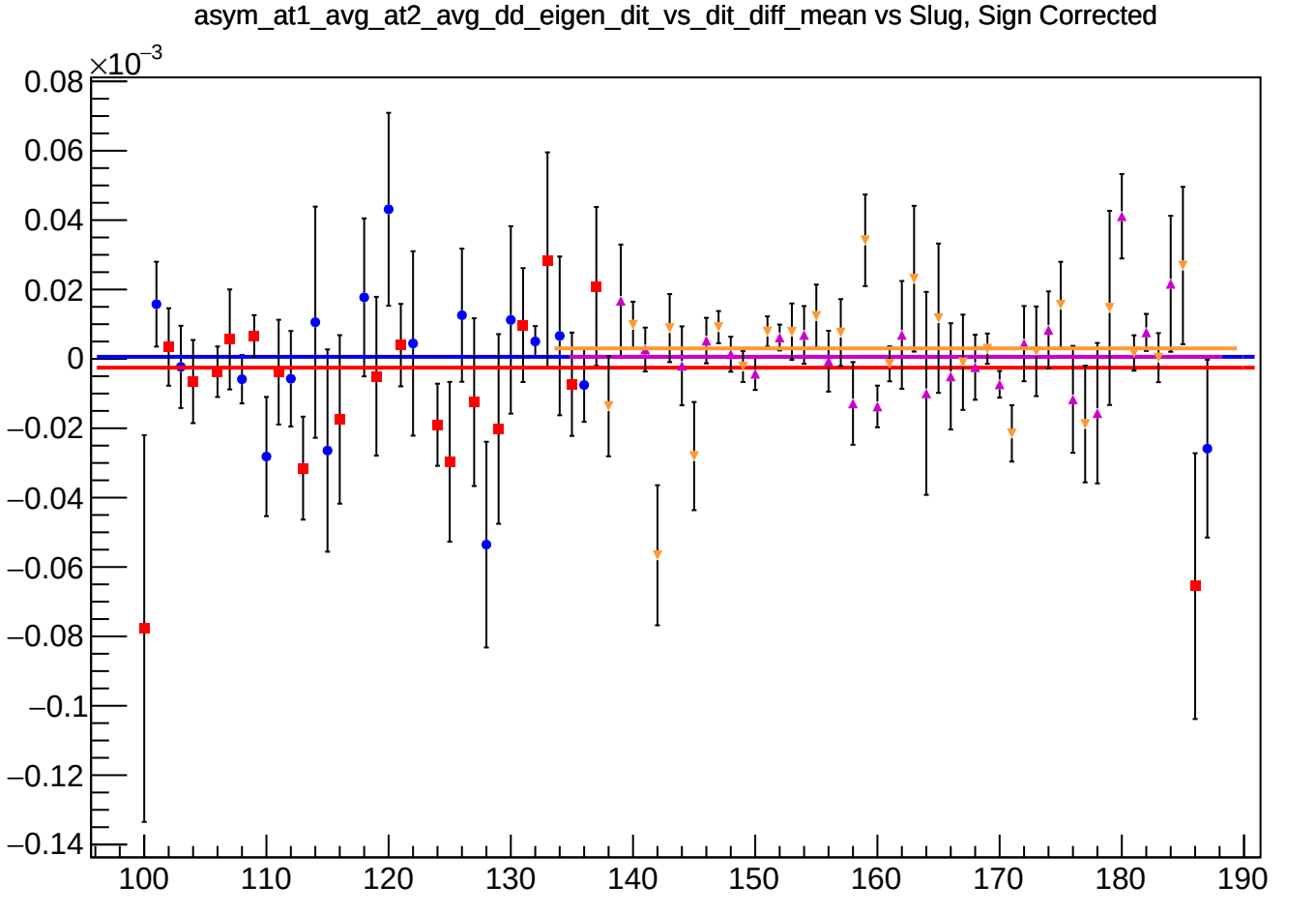
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

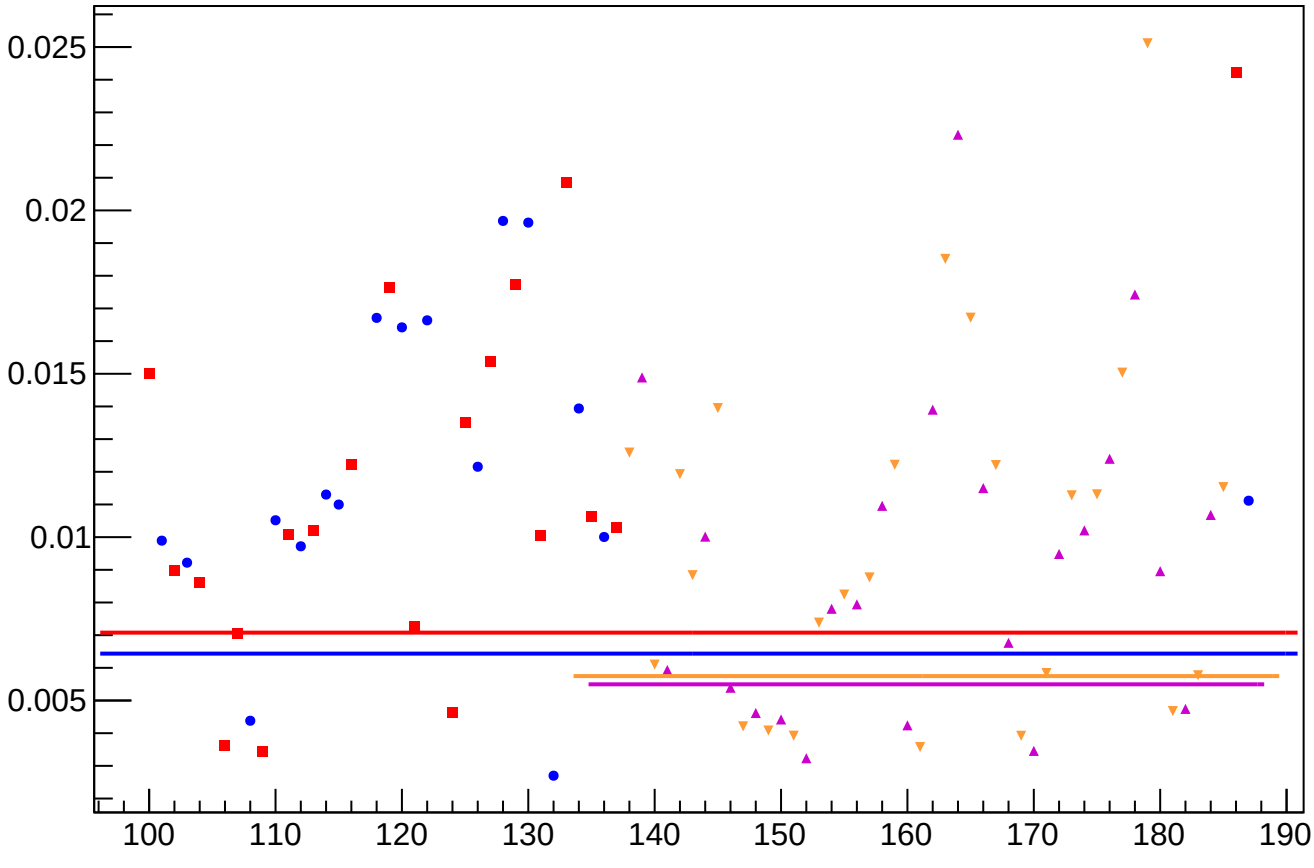
Right: 134.675+/-0.027 χ^2/NDF: 3170023.1/36

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84


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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.9/16
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/19
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 35.3/36
In: 0.000+/-0.000 χ²/NDF:49.1/39
Out: 0.000+/-0.000 χ²/NDF:63.7/44
All: 0.000+/-0.000 χ²/NDF: 113.3/84



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3813334.3/19

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

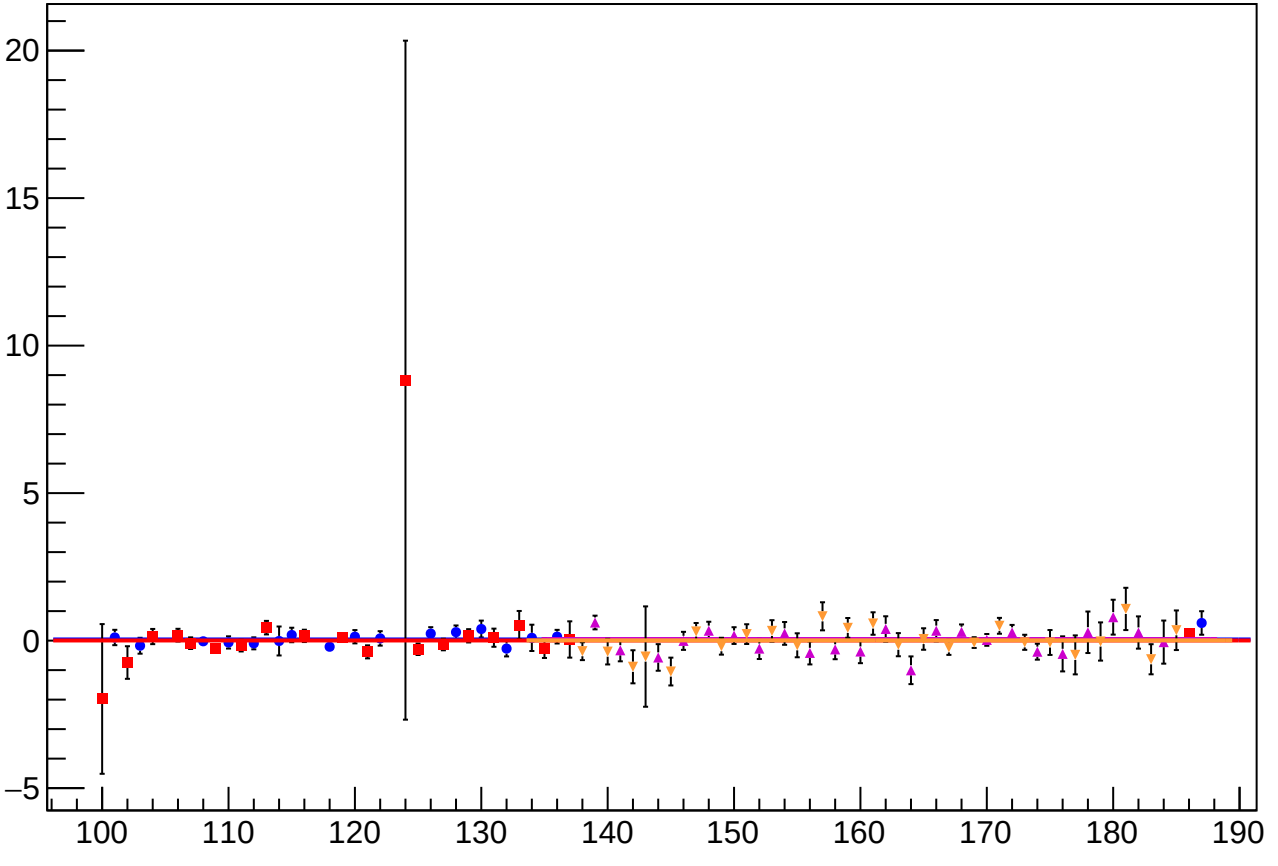
Right: 0.007+/-0.000 χ^2/NDF: 8567898.4/36

In: 0.006+/-0.000 χ^2/NDF:11808826.7/39

Out: 0.006+/-0.000 χ^2/NDF:12254012.6/44

All: 0.006+/-0.000 χ^2/NDF: 24119828.3/84

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

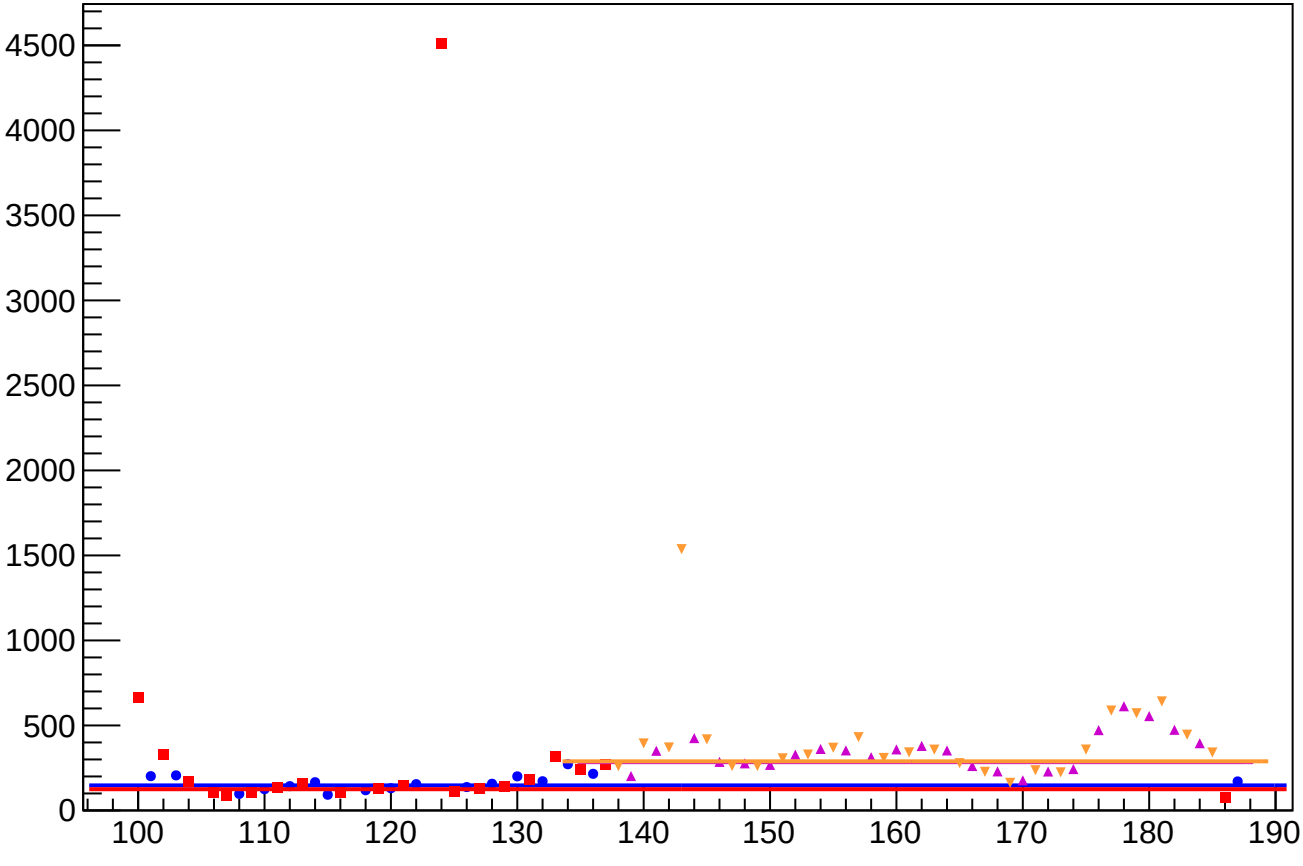
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

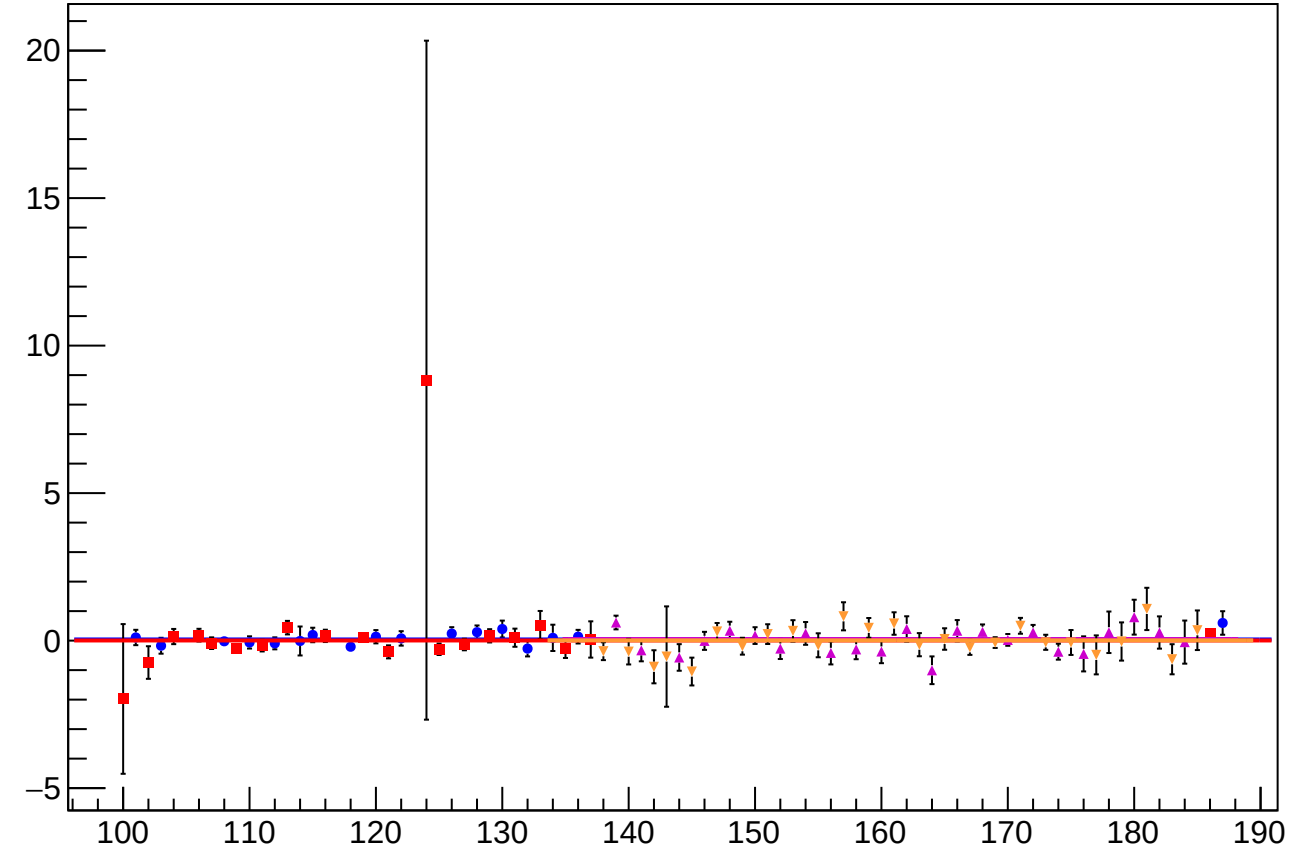
Right: 134.677+/-0.027 χ^2/NDF: 3169823.8/36

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

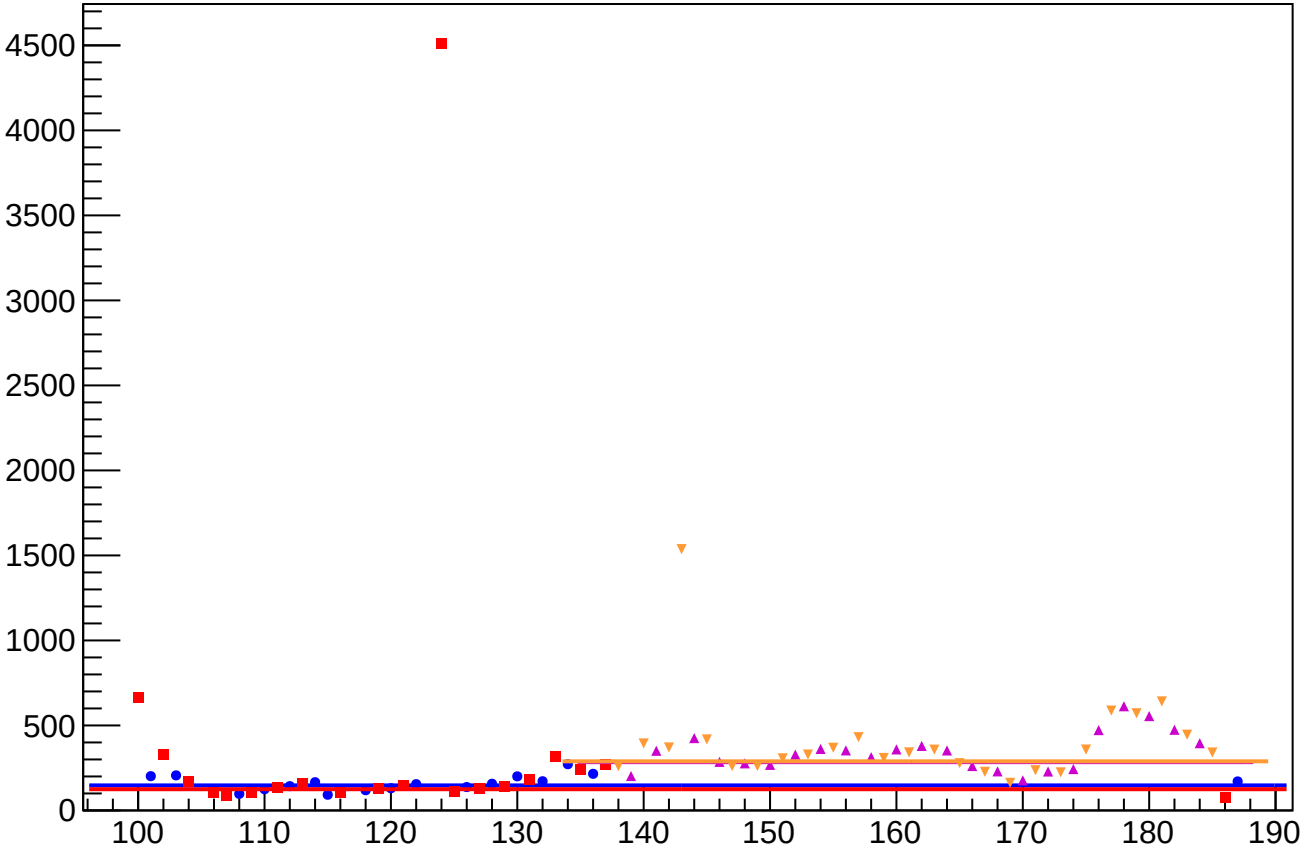
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

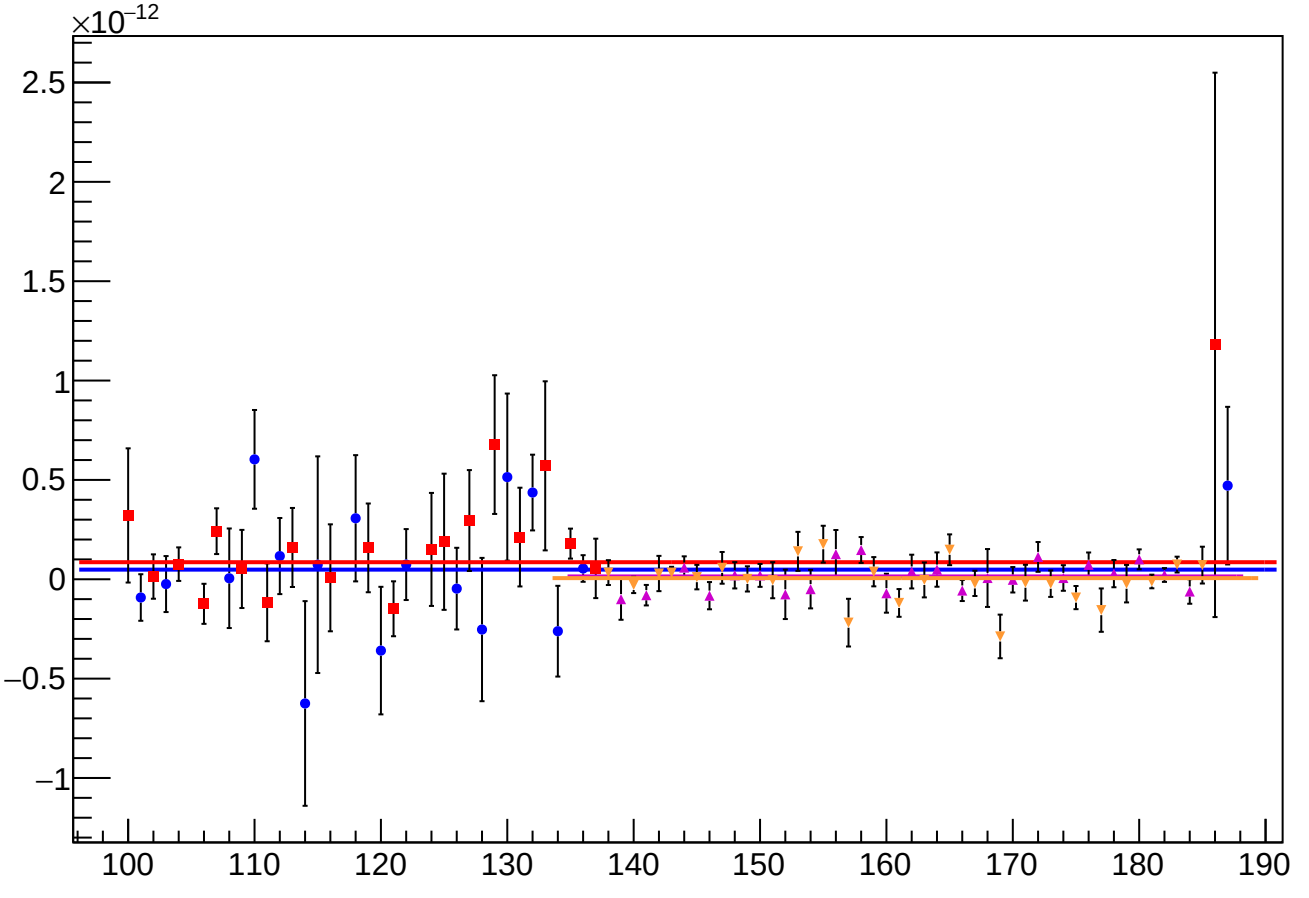
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 134.677+/-0.027 χ^2/NDF: 3169823.8/36

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

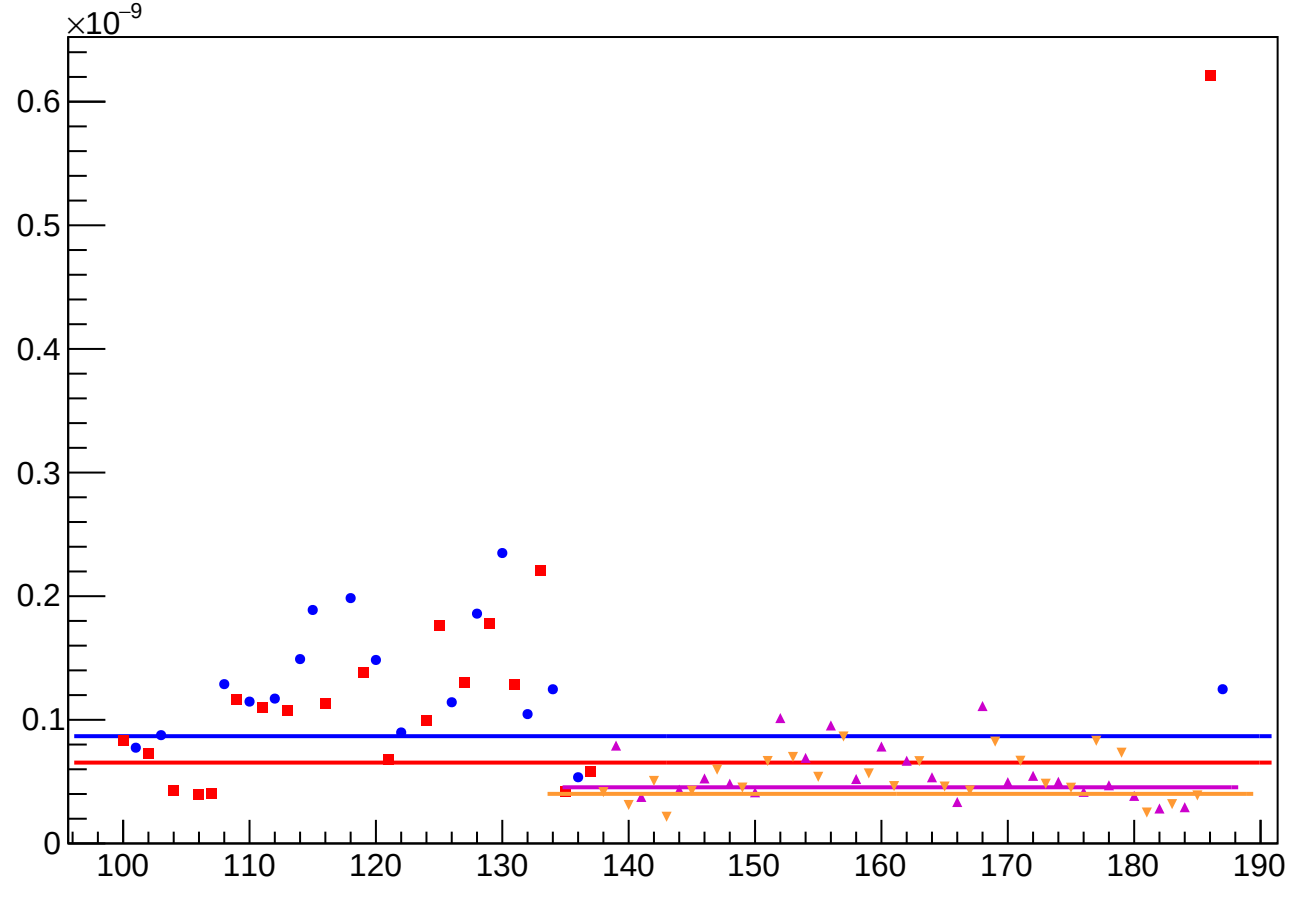
Right: 0.000+/-0.000 χ^2/NDF: 39.4/36

In: 0.000+/-0.000 χ^2/NDF:43.9/39

Out: 0.000+/-0.000 χ^2/NDF:57.9/44

All: 0.000+/-0.000 χ^2/NDF: 101.8/84

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: 1584239.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2488433.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

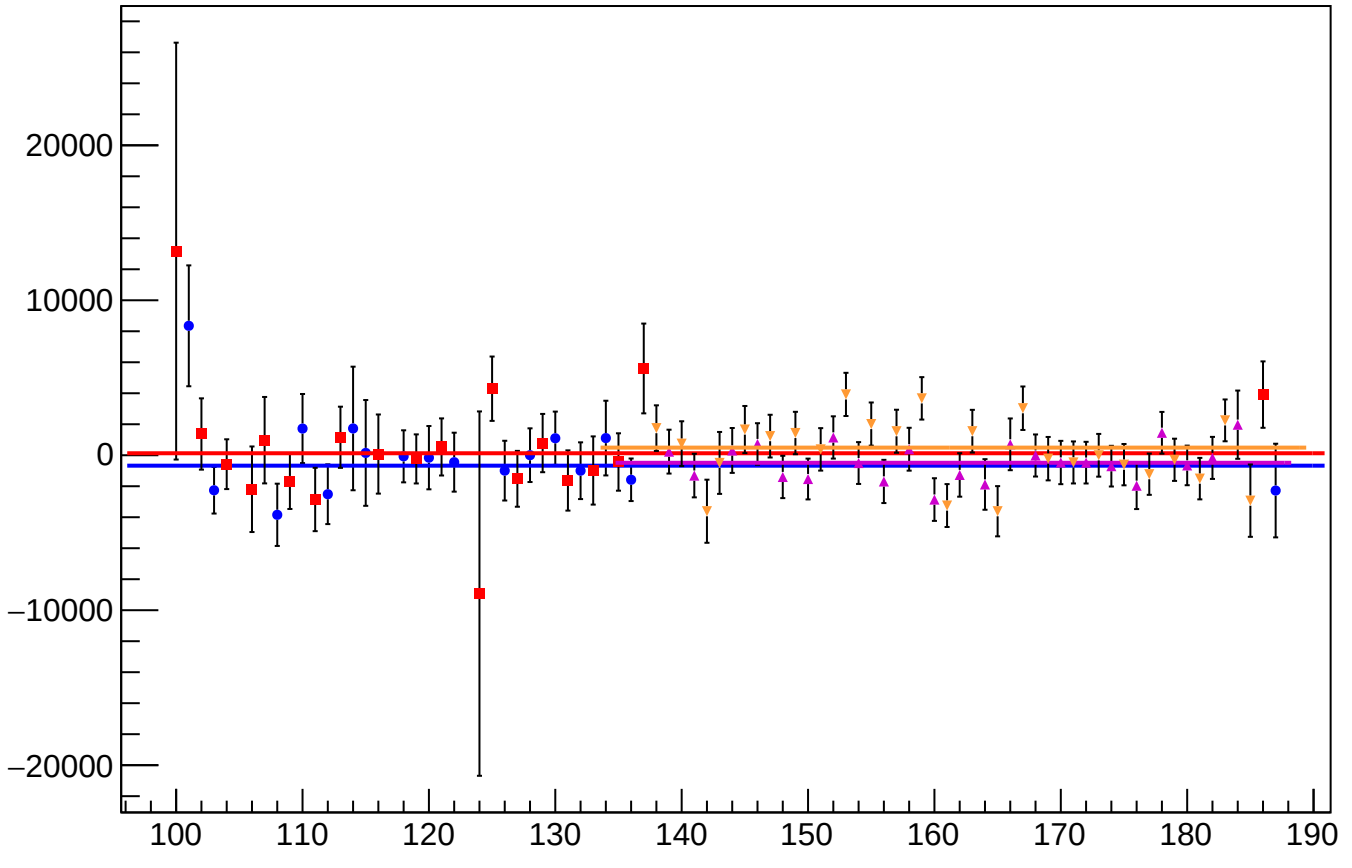
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4379577.9/36

In: 0.000+/-0.000 χ^2/NDF:6081623.0/39

Out: 0.000+/-0.000 χ^2/NDF:7066418.6/44

All: 0.000+/-0.000 χ^2/NDF: 13410706.8/84



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 128.473+/-475.595 χ^2/NDF: 19.1/19

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

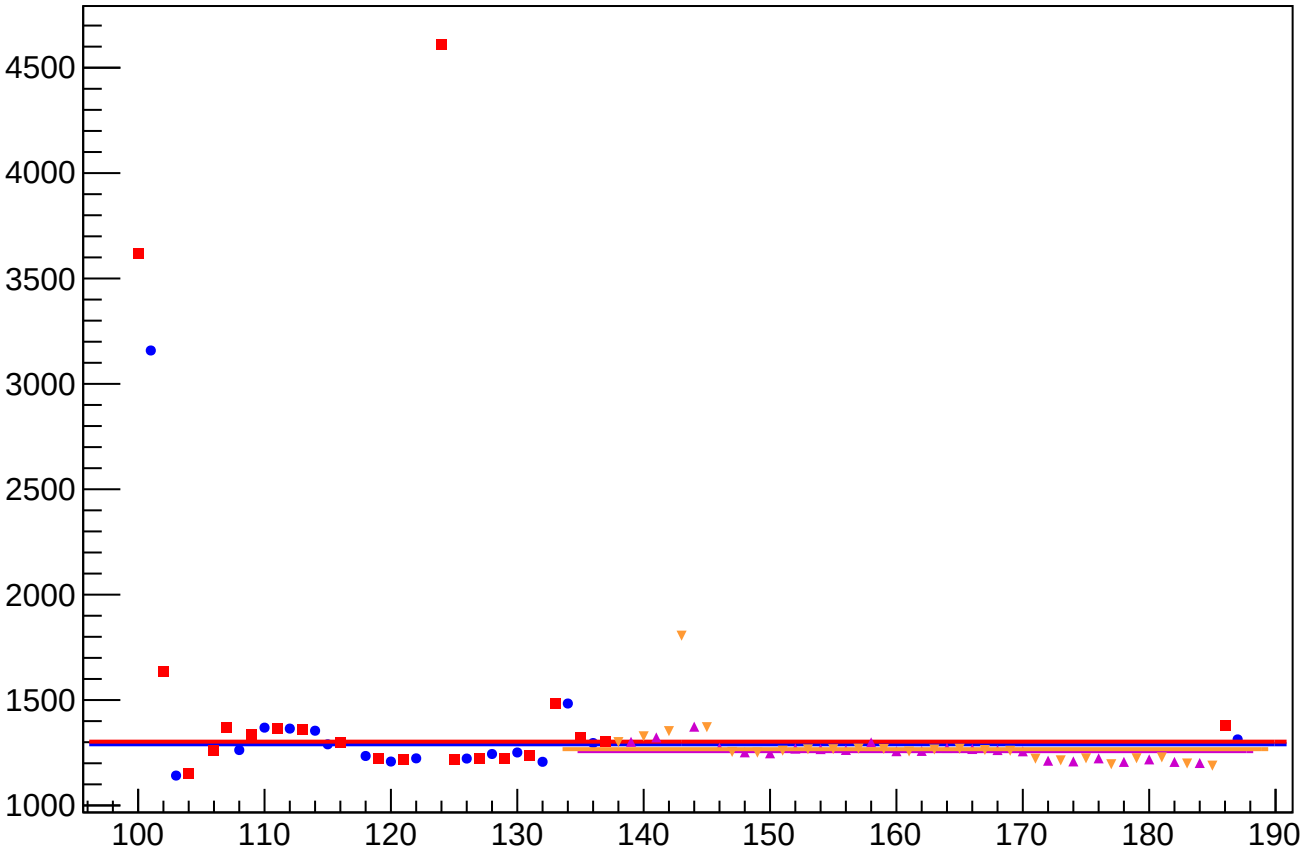
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -266.586+/-338.675 χ^2/NDF: 34.7/36

In: -537.195+/-250.905 χ^2/NDF:28.7/39

Out: 394.262+/-246.662 χ^2/NDF:66.5/44

All: -63.522+/-175.897 χ^2/NDF: 102.2/84



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1302.569+/-0.335 χ^2/NDF: 322015.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

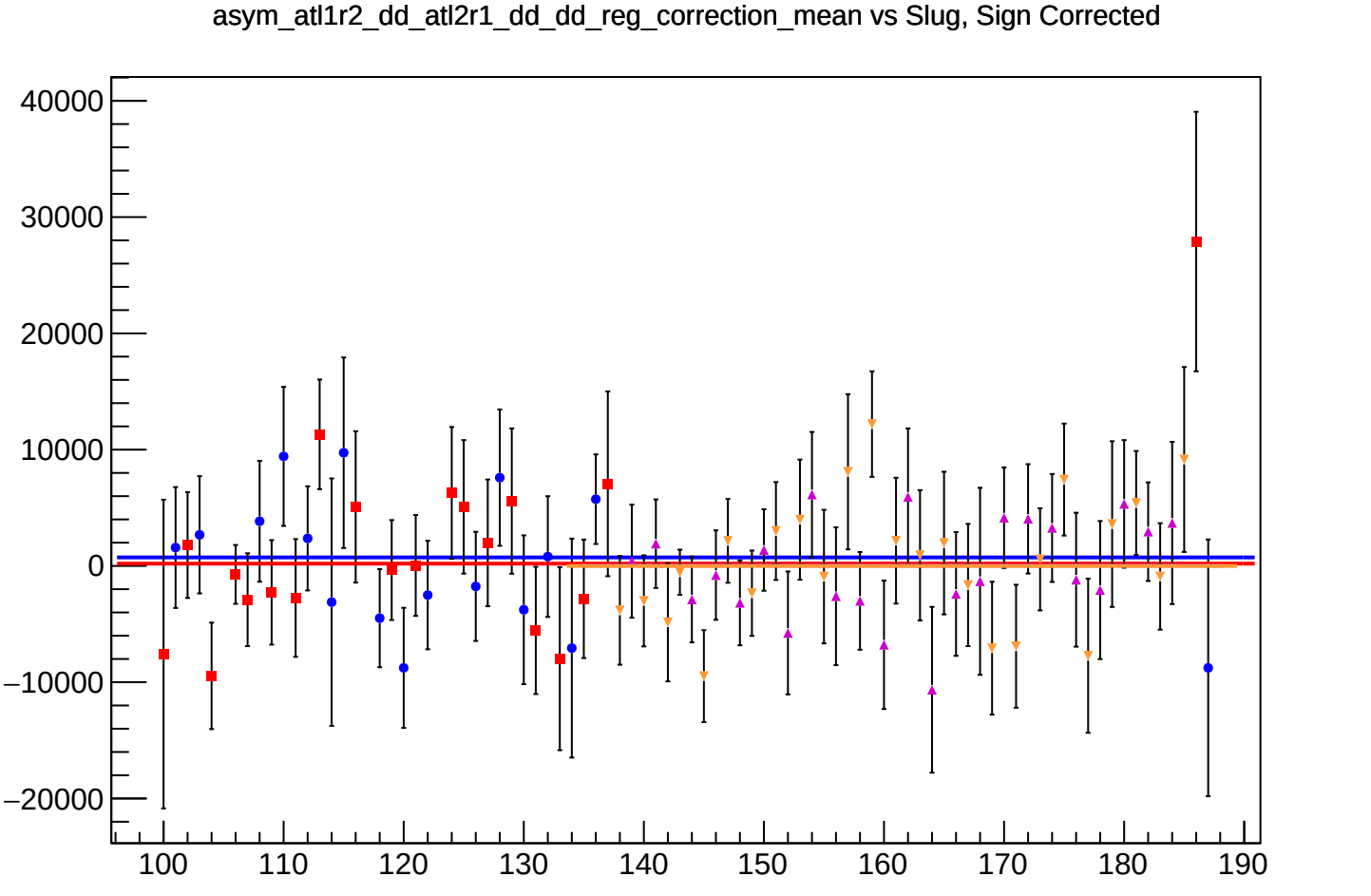
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1296.425+/-0.239 χ^2/NDF: 837492.9/36

In: 1266.349+/-0.177 χ^2/NDF:558242.4/39

Out: 1276.579+/-0.174 χ^2/NDF:517783.0/44

All: 1271.555+/-0.124 χ^2/NDF: 1077717.1/84



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 197.309+/-1105.607 χ^2/NDF: 24.6/19

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

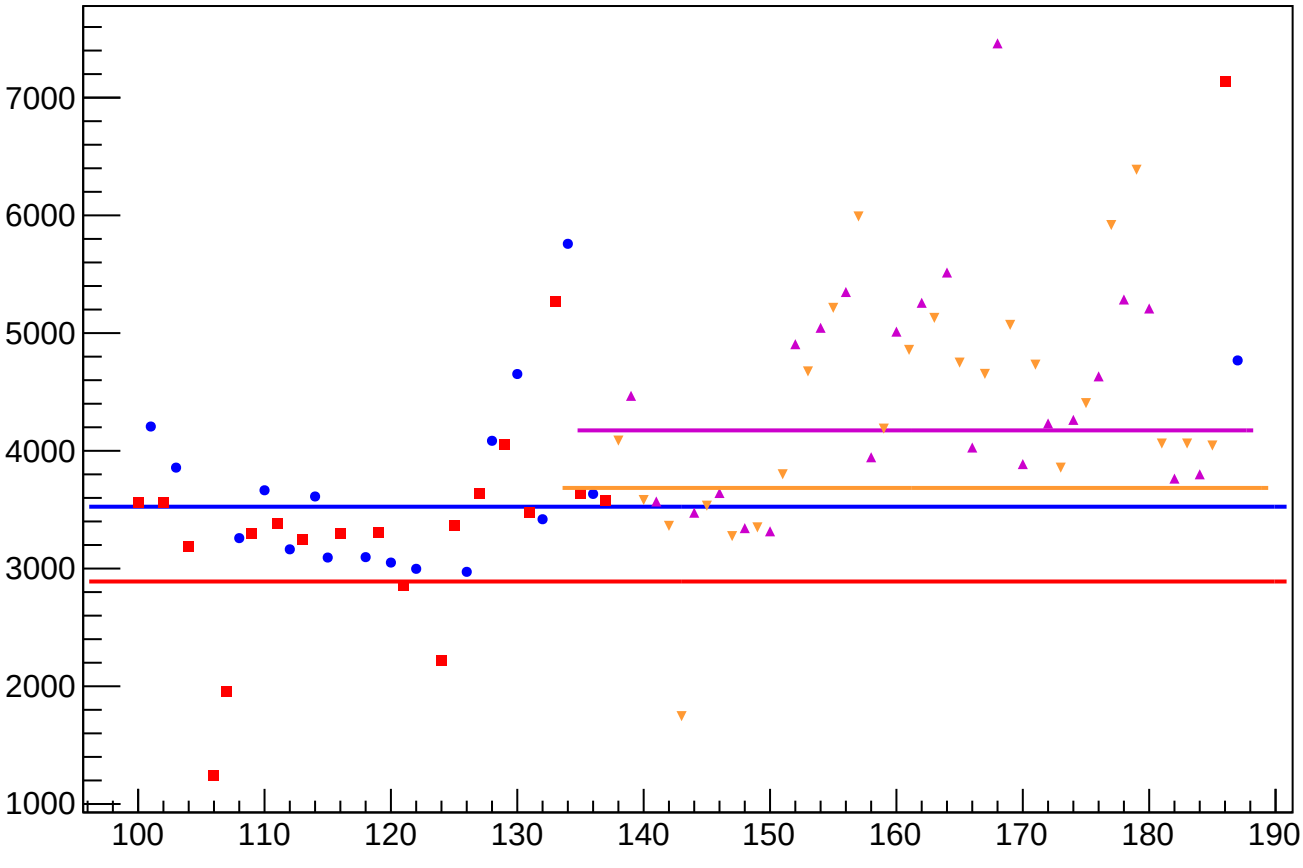
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 419.163+/-846.471 χ^2/NDF: 39.5/36

In: 287.018+/-793.818 χ^2/NDF:29.0/39

Out: 76.843+/-691.619 χ^2/NDF:53.7/44

All: 167.539+/-521.463 χ^2/NDF: 82.7/84



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2889.961+/-0.782 χ^2/NDF: 1792253.1/19

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

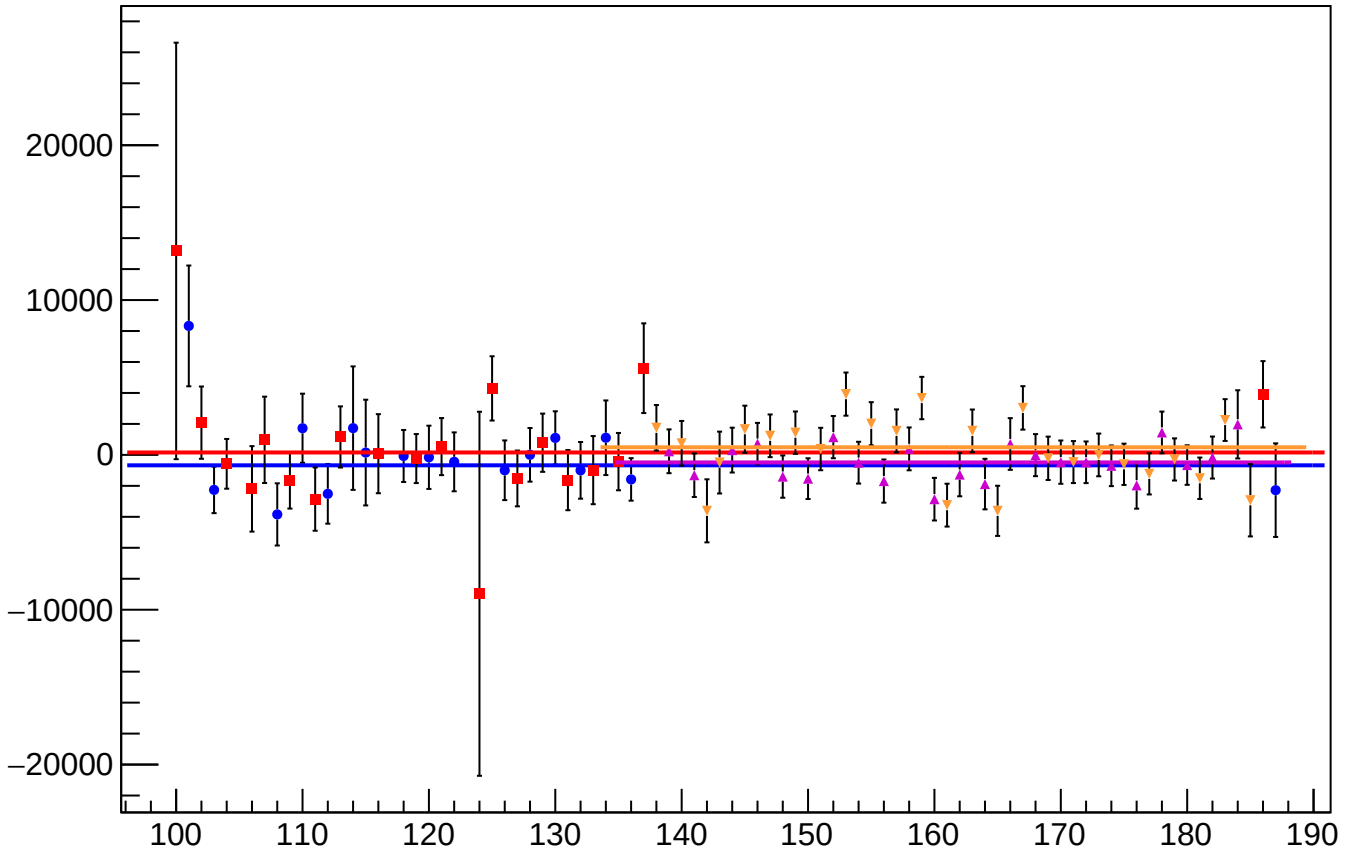
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3152.885+/-0.599 χ^2/NDF: 2445245.9/36

In: 3937.624+/-0.561 χ^2/NDF:1963400.0/39

Out: 3373.744+/-0.489 χ^2/NDF:6115030.3/44

All: 3617.072+/-0.369 χ^2/NDF: 8652116.4/84



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 156.296+/-475.895 χ^2/NDF: 19.6/19

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

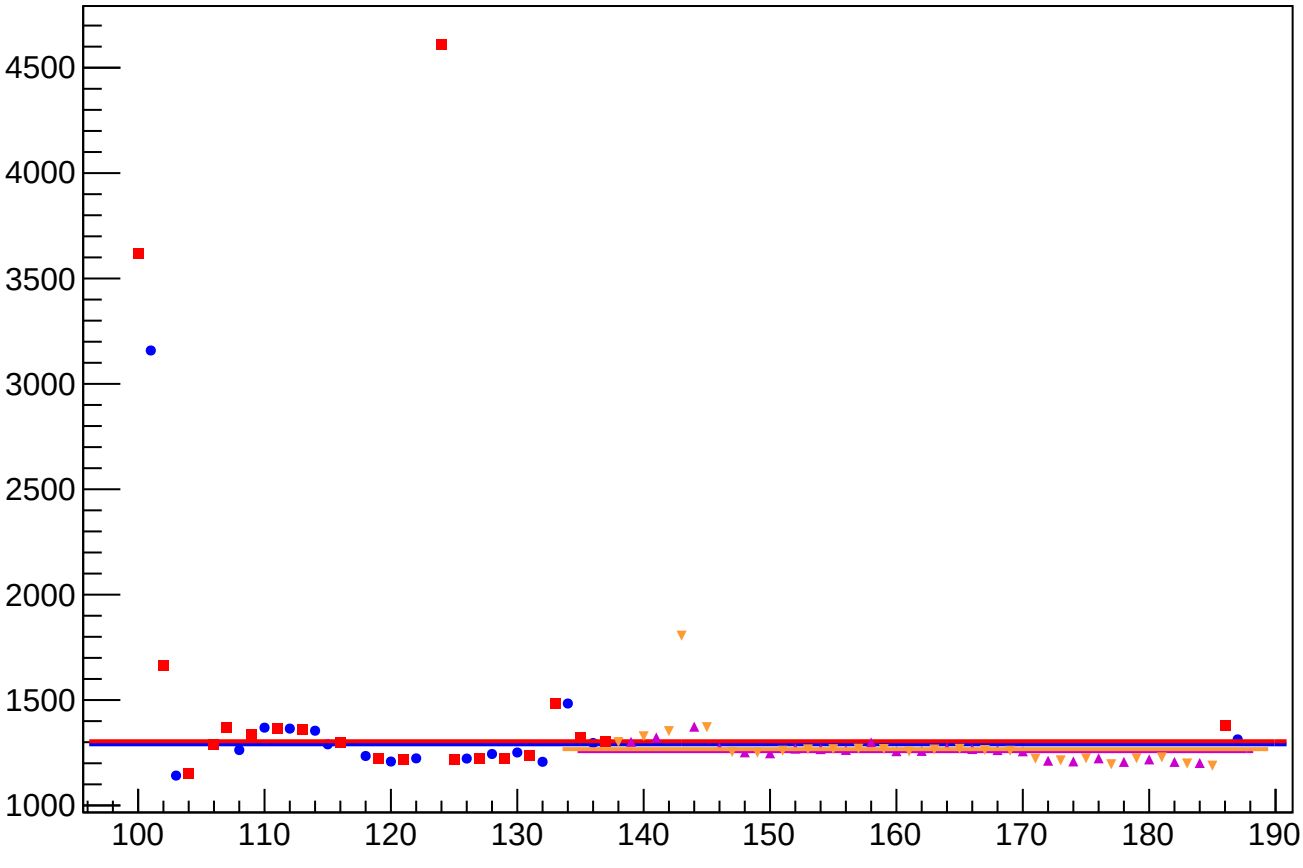
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -252.925+/-338.783 χ^2/NDF: 35.2/36

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -59.762+/-175.912 χ^2/NDF: 102.6/84



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

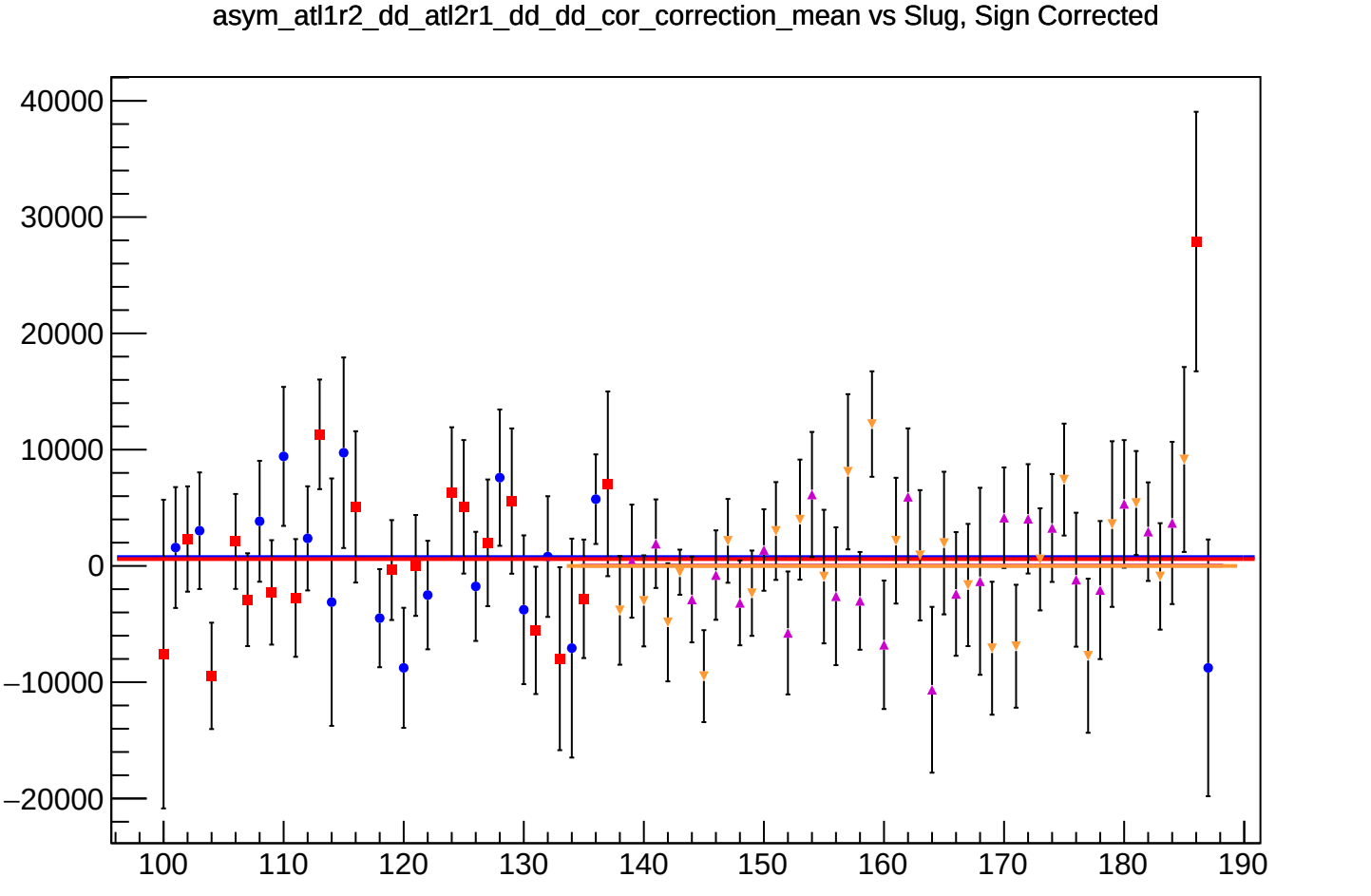
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

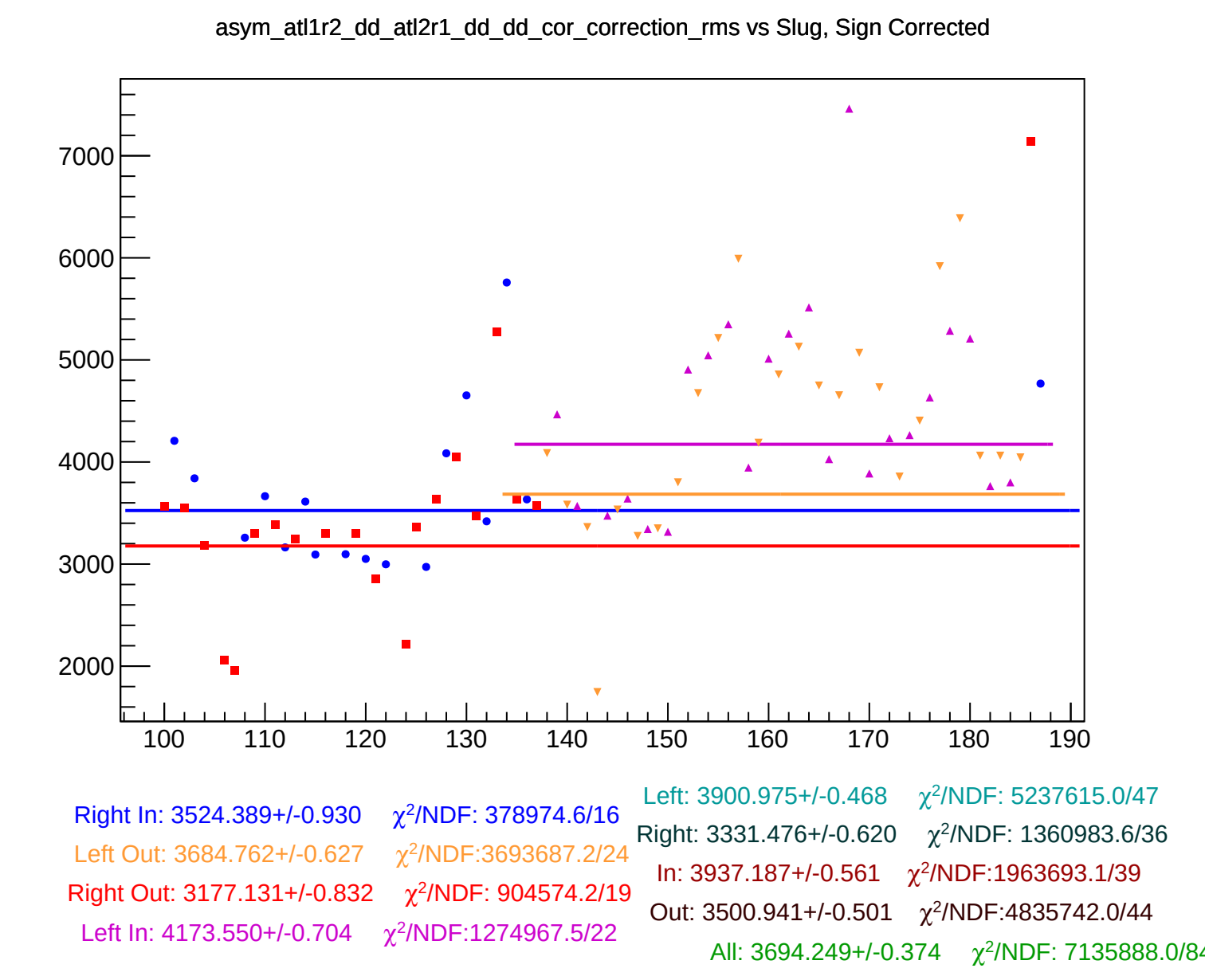
Right: 1297.401+/-0.239 χ^2/NDF: 844121.4/36

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 758.865+/-1315.387 χ²/NDF: 14.8/16
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 590.963+/-1176.575 χ²/NDF: 24.7/19
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 665.590+/-876.948 χ²/NDF: 39.5/36
In: 296.399+/-793.719 χ²/NDF:29.1/39
Out: 213.652+/-708.016 χ²/NDF:53.9/44
All: 250.318+/-528.355 χ²/NDF: 83.0/84


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
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2000
100
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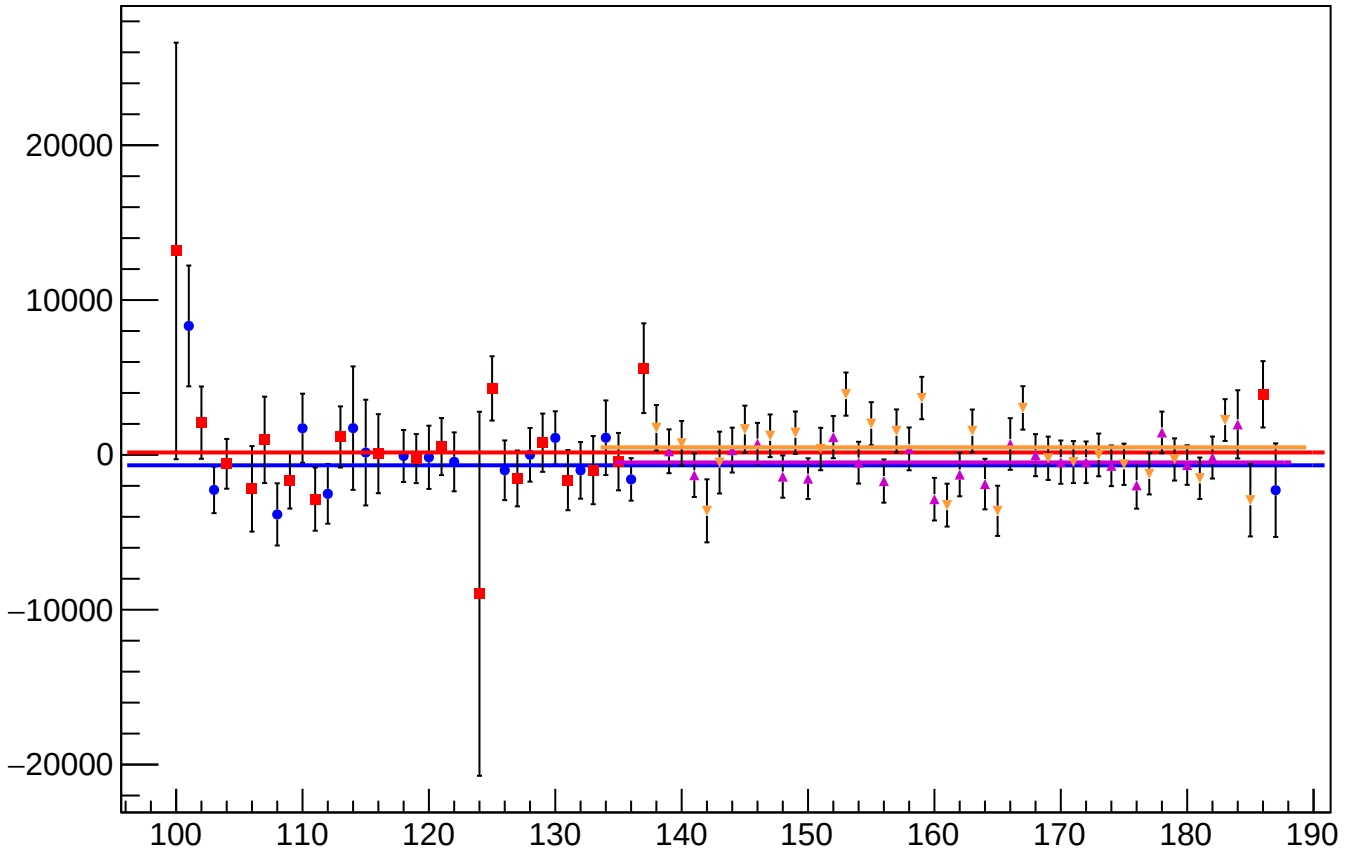
160
170
180
190
Right In: 3524.389+/-0.930 χ²/NDF: 378974.6/16
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3177.131+/-0.832 χ²/NDF: 904574.2/19
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3331.476+/-0.620 χ²/NDF: 1360983.6/36
In: 3937.187+/-0.561 χ²/NDF:1963693.1/39
Out: 3500.941+/-0.501 χ²/NDF:4835742.0/44
All: 3694.249+/-0.374 χ²/NDF: 7135888.0/84



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 156.296+/-475.895 χ^2/NDF: 19.6/19

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

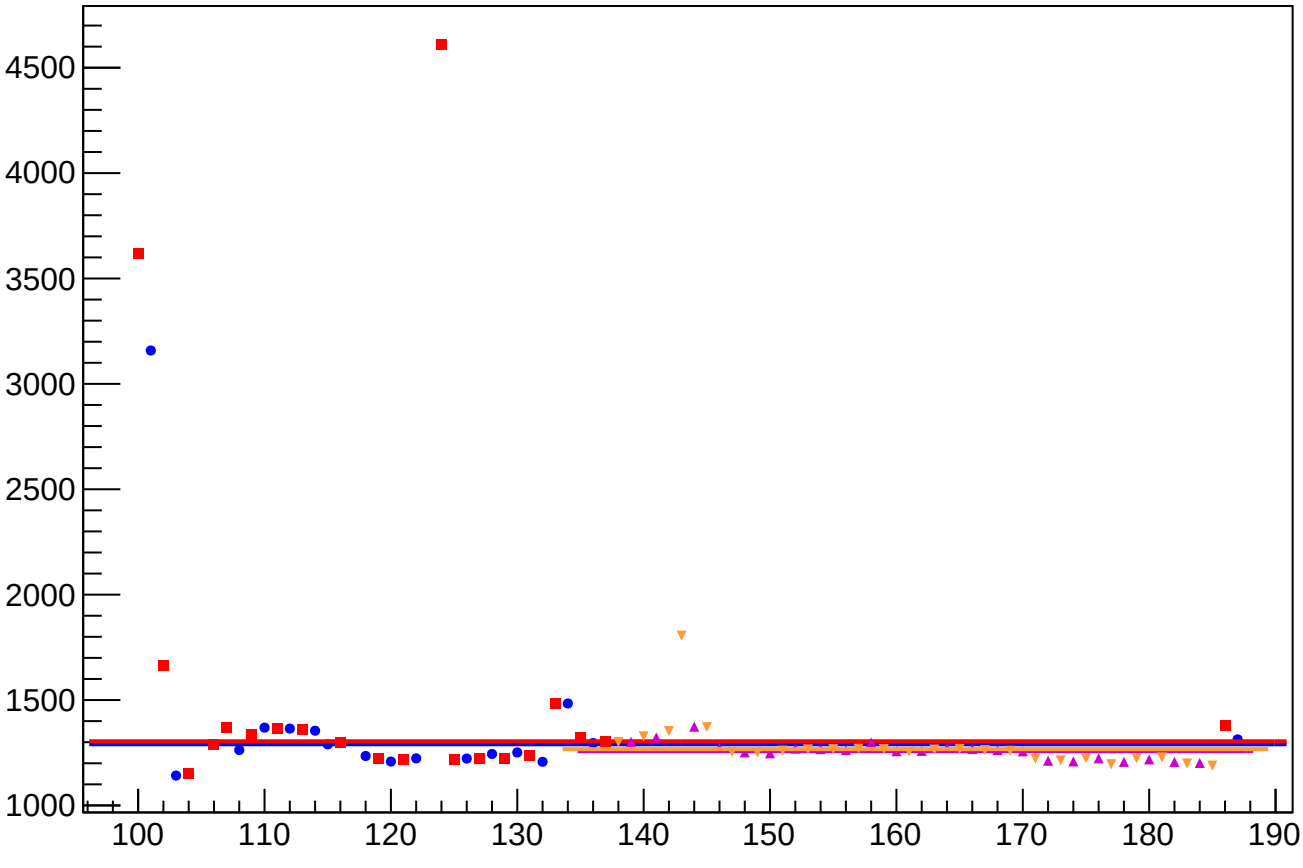
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -252.925+/-338.783 χ^2/NDF: 35.2/36

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -59.762+/-175.912 χ^2/NDF: 102.6/84



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

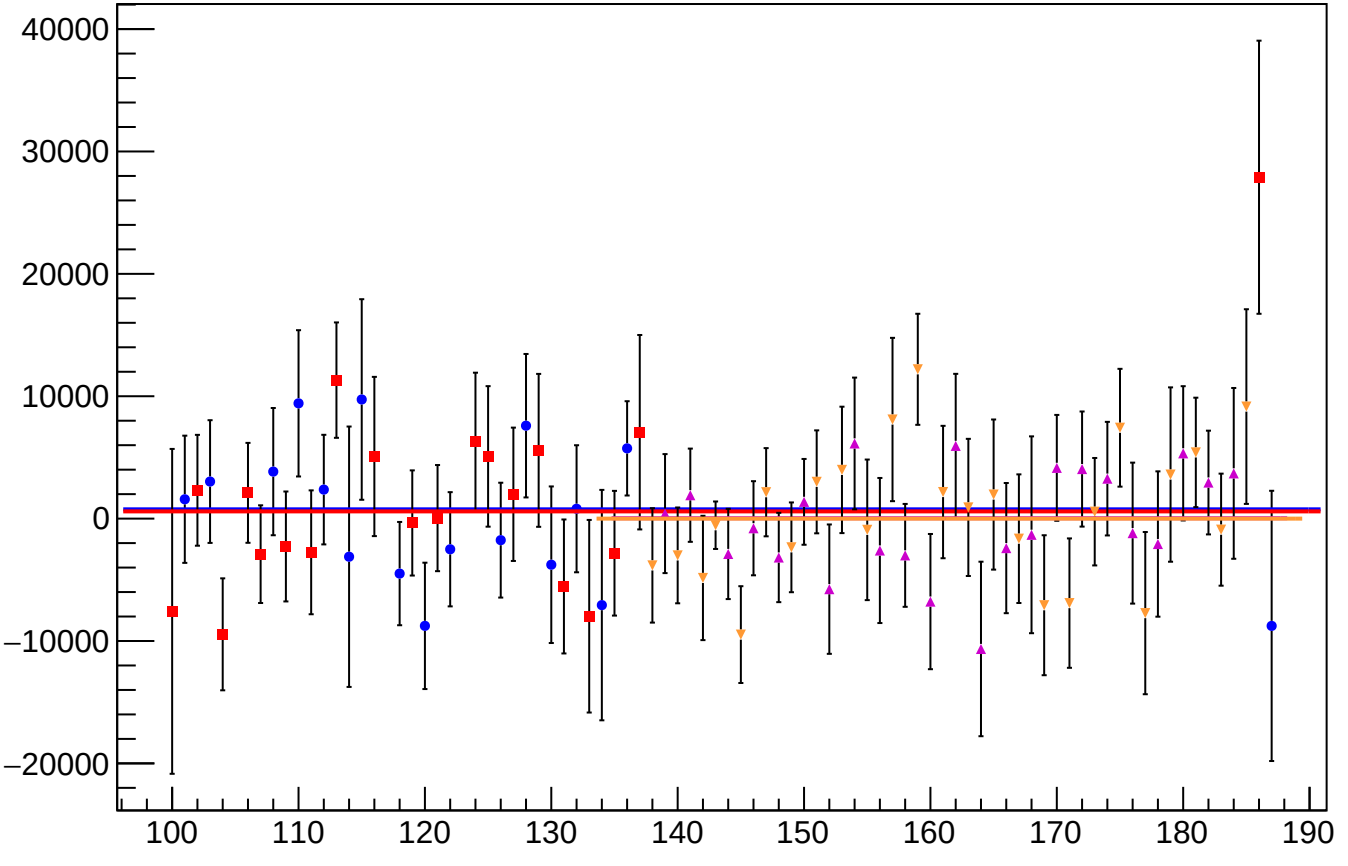
Right: 1297.401+/-0.239 χ^2/NDF: 844121.4/36

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

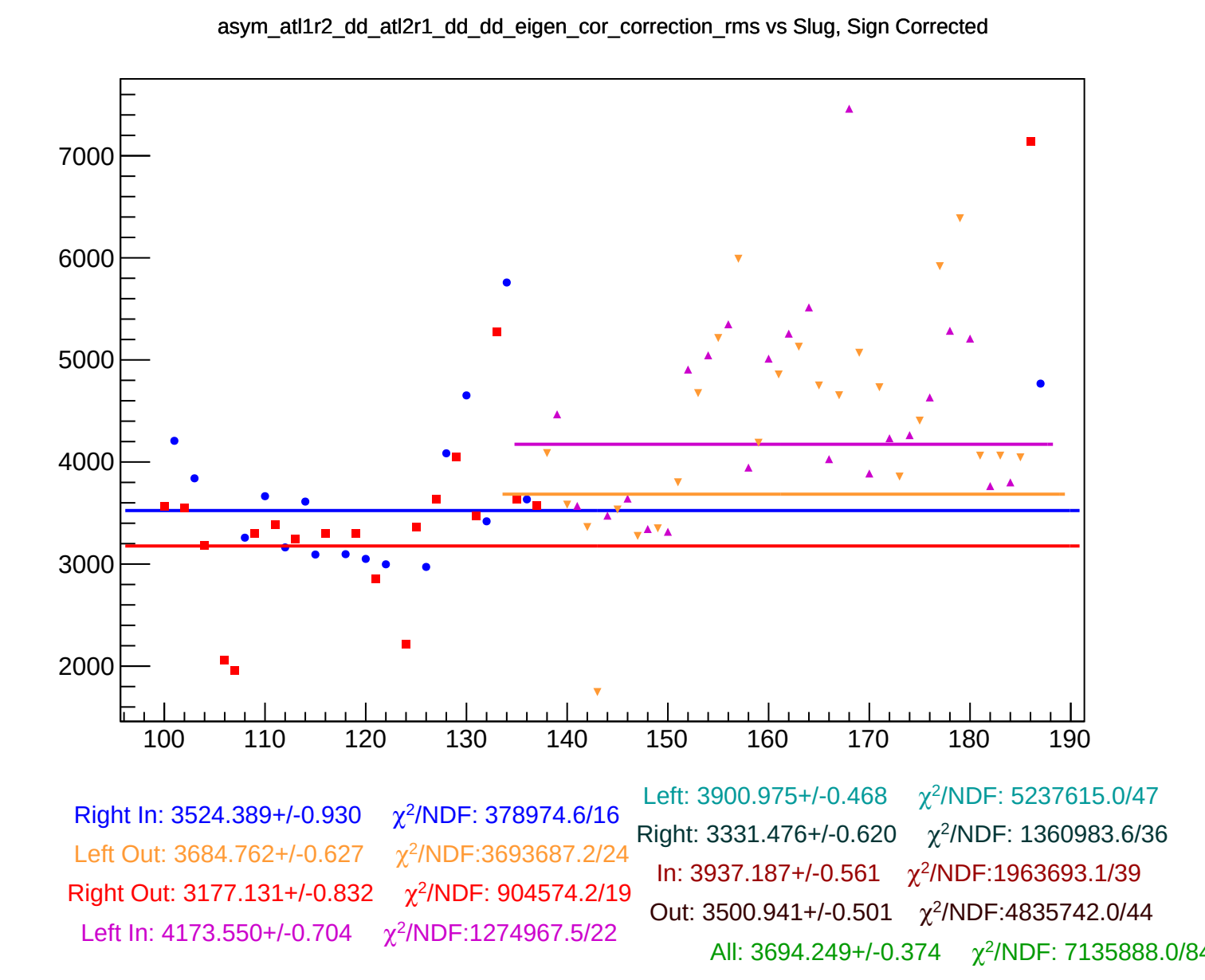
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 665.590+/-876.948 χ^2/NDF: 39.5/36

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 250.318+/-528.355 χ^2/NDF: 83.0/84


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
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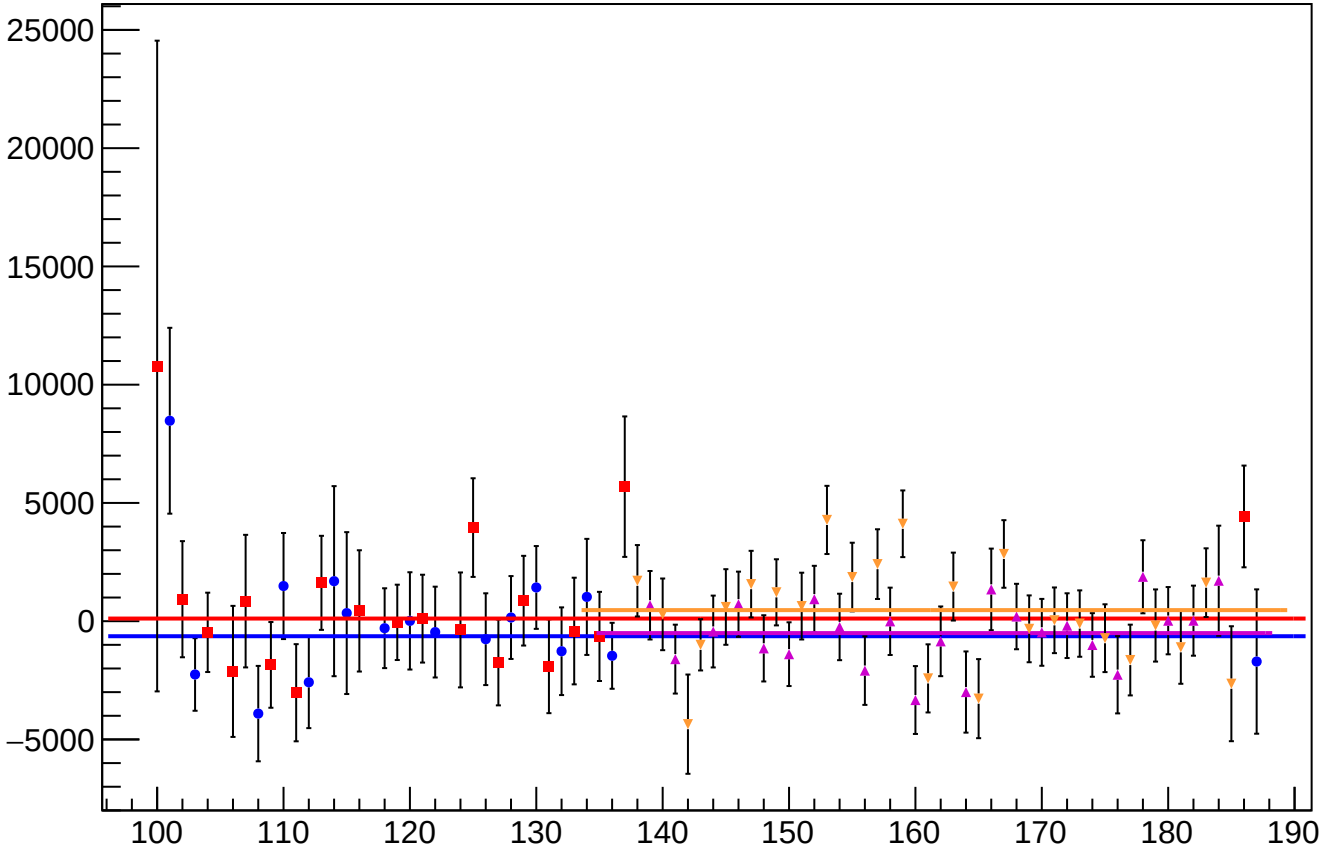
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3524.389+/-0.930 χ²/NDF: 378974.6/16
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3177.131+/-0.832 χ²/NDF: 904574.2/19
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3331.476+/-0.620 χ²/NDF: 1360983.6/36
In: 3937.187+/-0.561 χ²/NDF:1963693.1/39
Out: 3500.941+/-0.501 χ²/NDF:4835742.0/44
All: 3694.249+/-0.374 χ²/NDF: 7135888.0/84

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 111.422+/-473.633 χ^2/NDF: 19.1/19

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

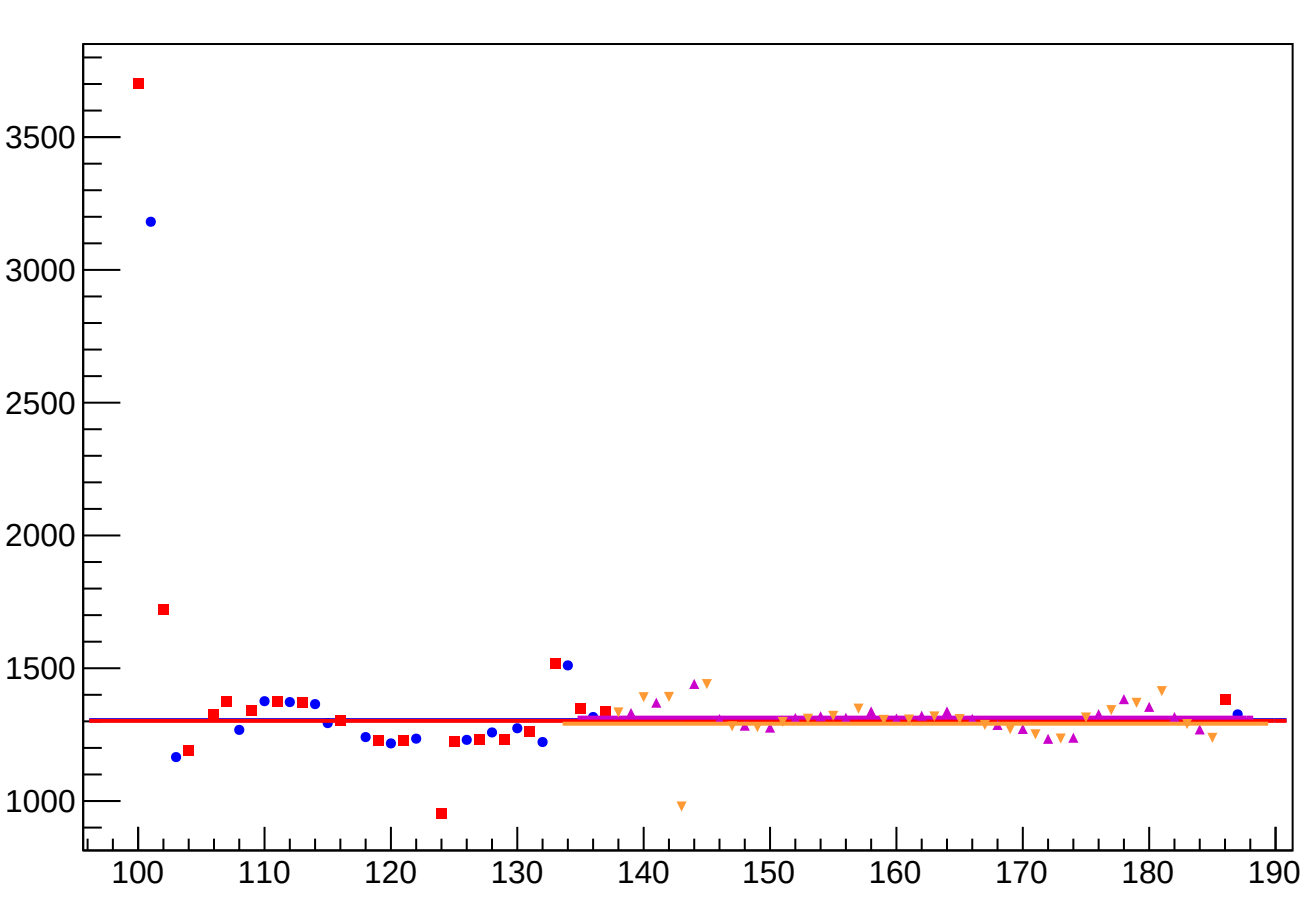
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -251.207+/-339.816 χ^2/NDF: 34.5/36

In: -541.111+/-259.863 χ^2/NDF:31.7/39

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -68.544+/-180.143 χ^2/NDF: 101.7/84



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.2/19

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

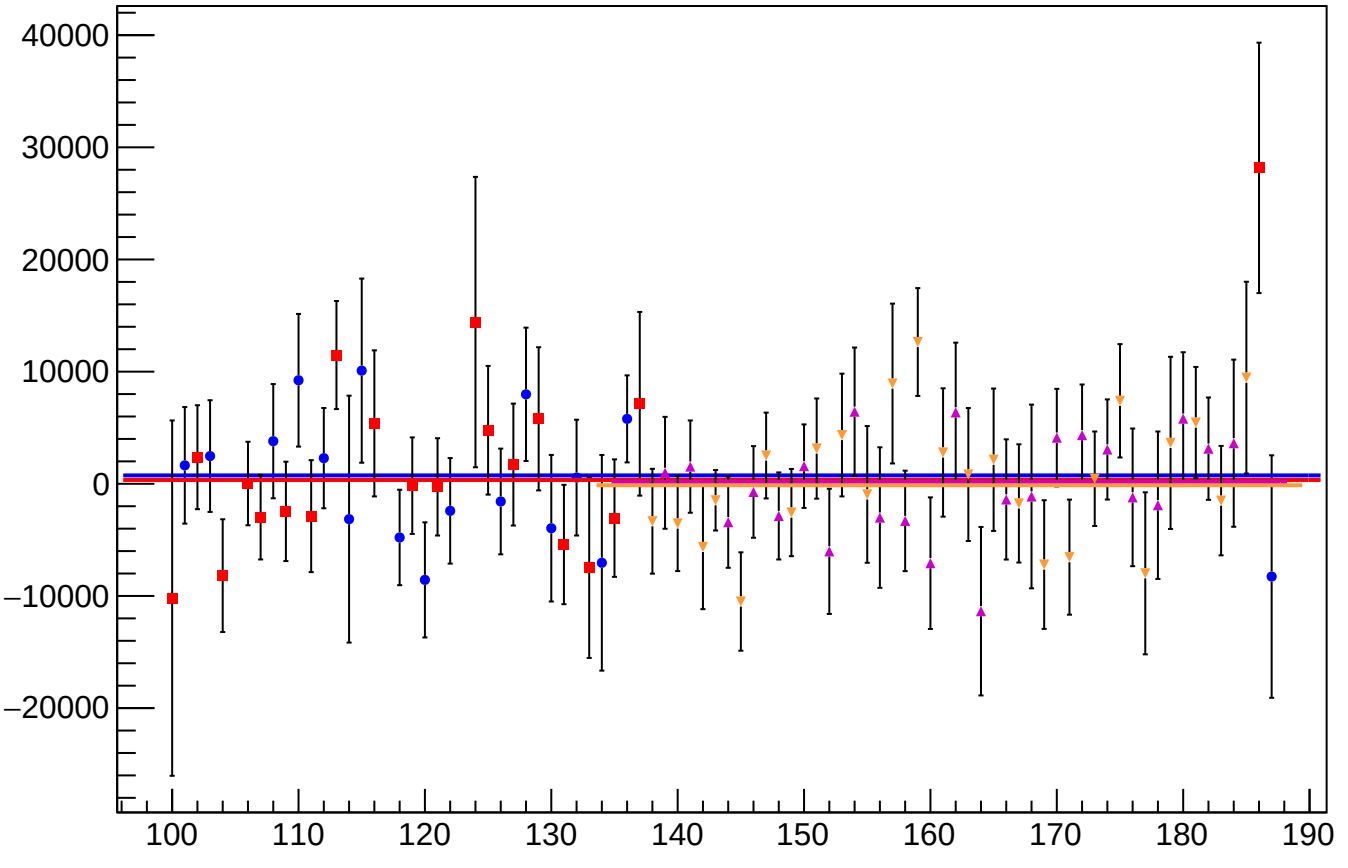
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1303.269+/-0.240 χ^2/NDF: 726850.2/36

In: 1311.356+/-0.184 χ^2/NDF:554261.6/39

Out: 1294.205+/-0.177 χ^2/NDF:447604.2/44

All: 1302.445+/-0.127 χ^2/NDF: 1006392.1/84



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 342.260+/-1193.140 χ^2/NDF: 23.1/19

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

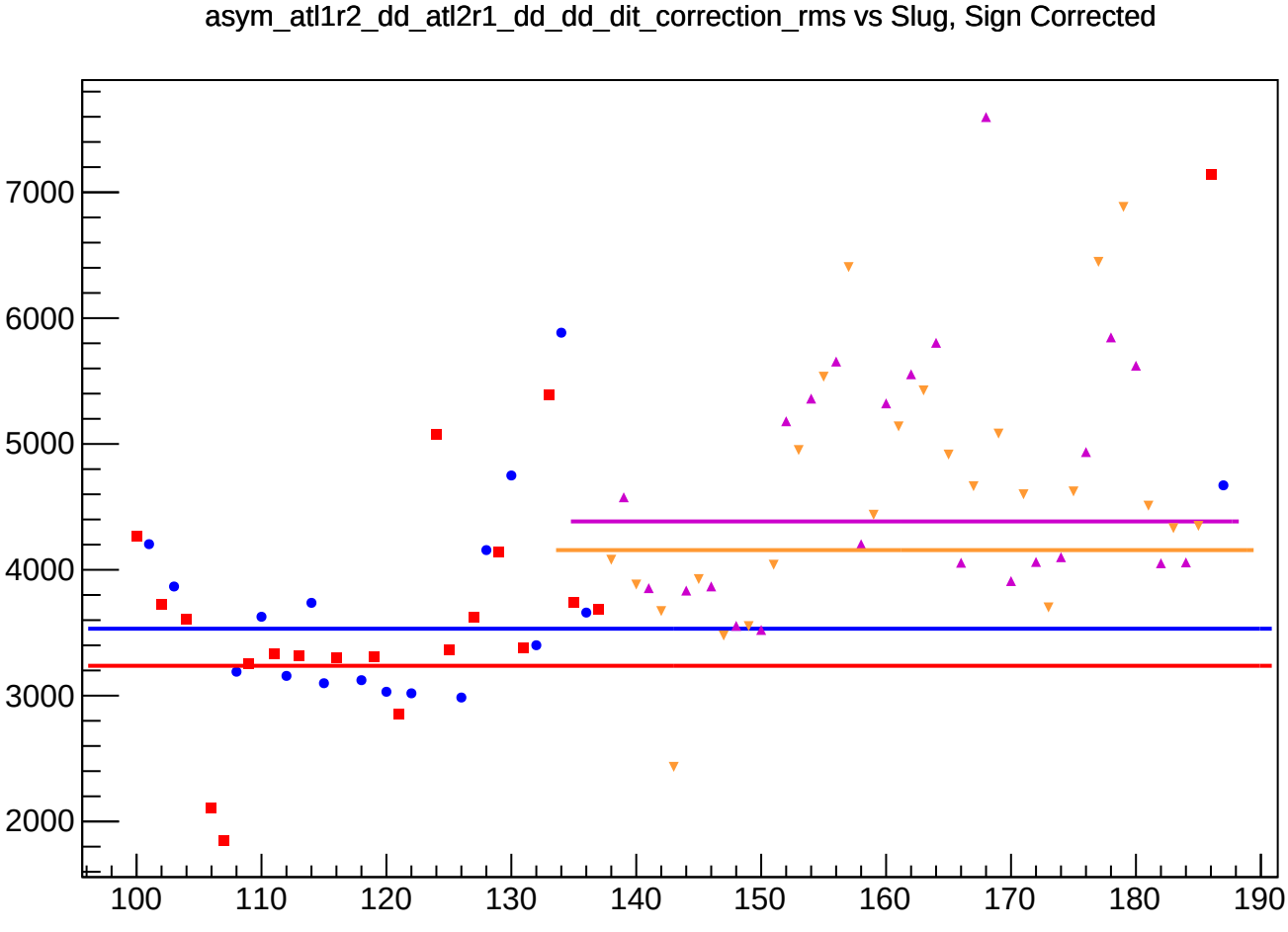
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 525.124+/-884.385 χ^2/NDF: 38.0/36

In: 386.904+/-818.975 χ^2/NDF:28.7/39

Out: 61.242+/-756.016 χ^2/NDF:51.8/44

All: 211.075+/-555.510 χ^2/NDF: 80.6/84



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3237.299+/-0.844 χ^2/NDF: 1019707.5/19

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

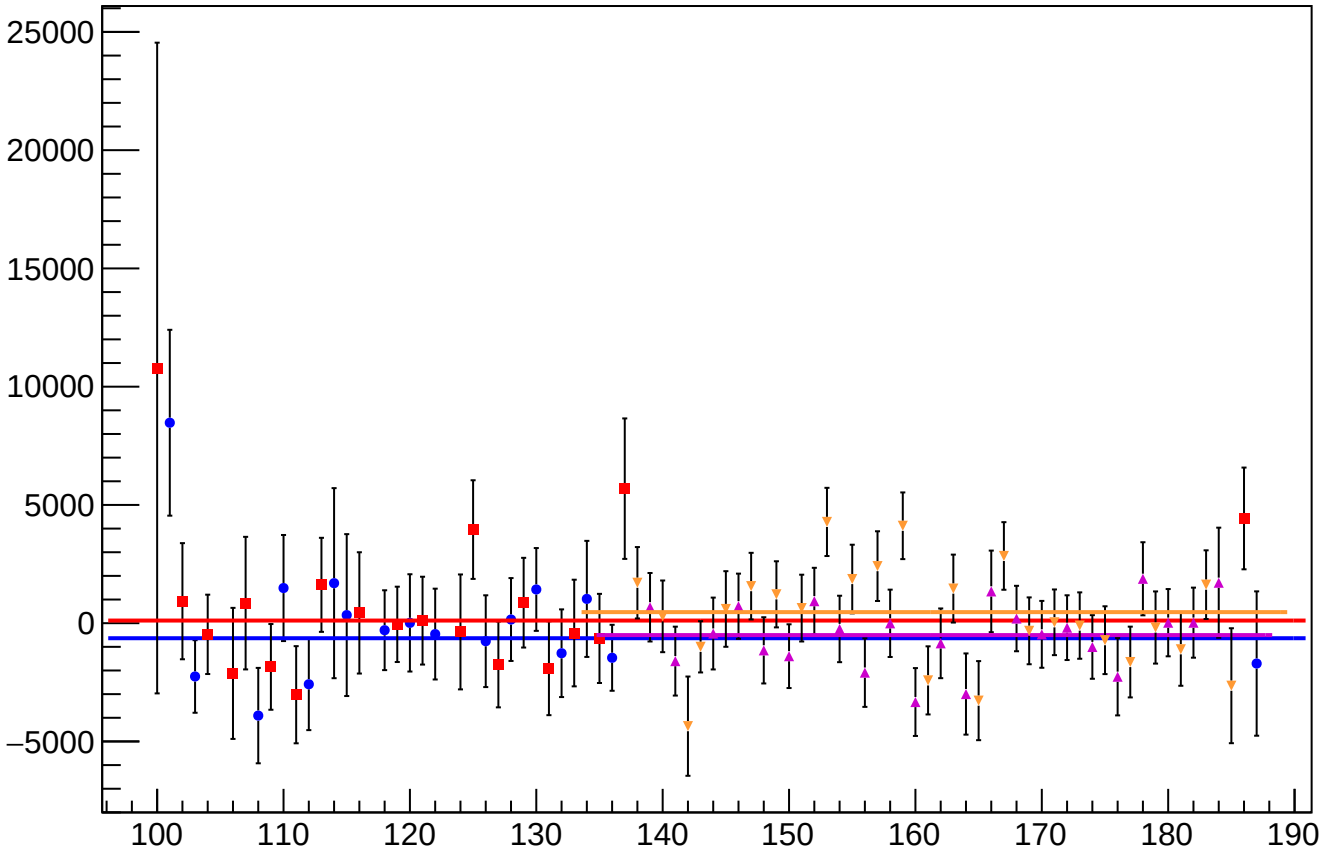
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3370.052+/-0.625 χ^2/NDF: 1472282.1/36

In: 4054.955+/-0.579 χ^2/NDF:2166784.2/39

Out: 3787.495+/-0.535 χ^2/NDF:3811055.0/44

All: 3910.550+/-0.393 χ^2/NDF: 6093006.5/84



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 111.413+/-473.633 χ^2/NDF: 19.1/19

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

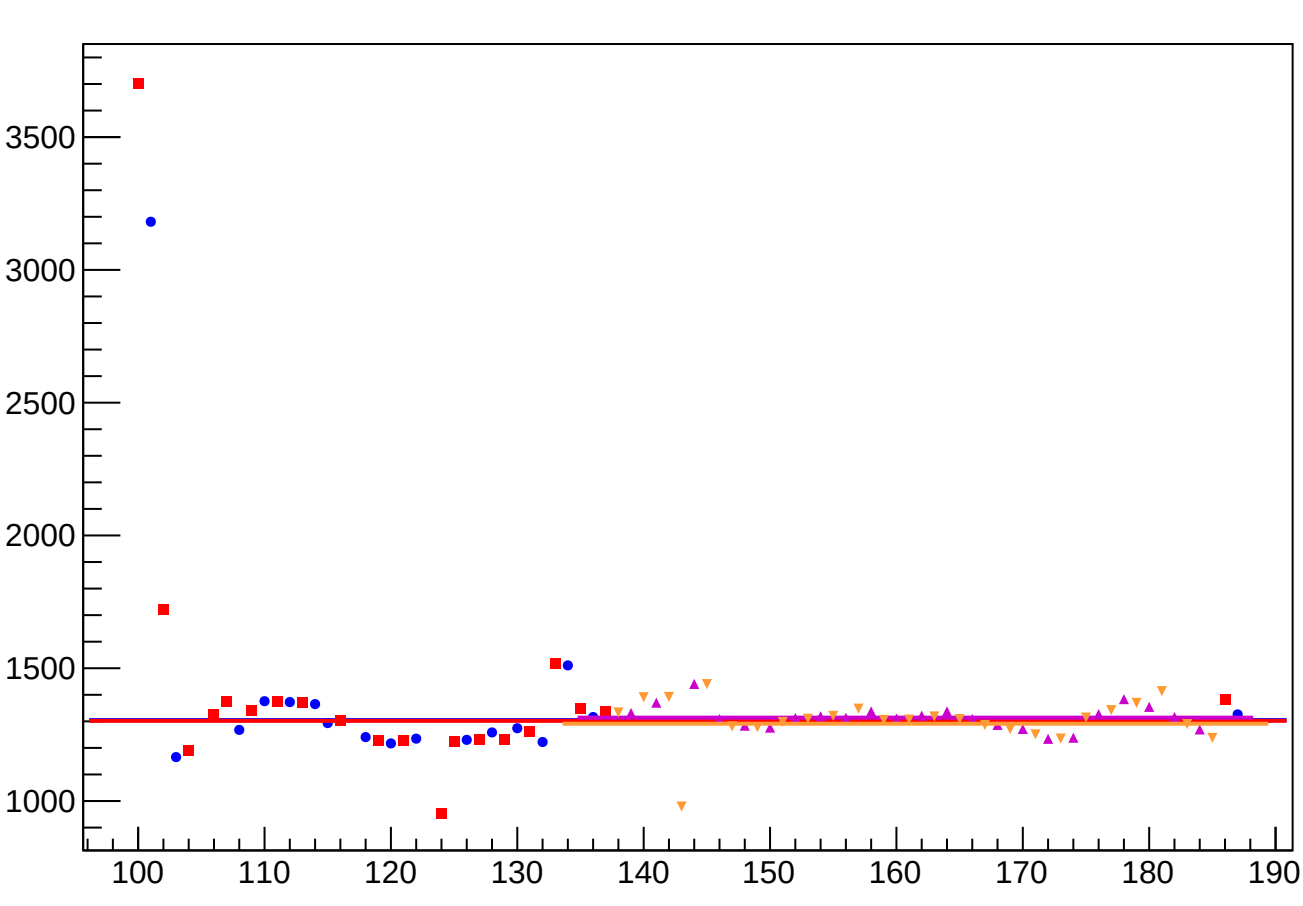
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -251.214+/-339.816 χ^2/NDF: 34.5/36

In: -541.113+/-259.863 χ^2/NDF:31.7/39

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -68.545+/-180.143 χ^2/NDF: 101.7/84



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.3/19

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

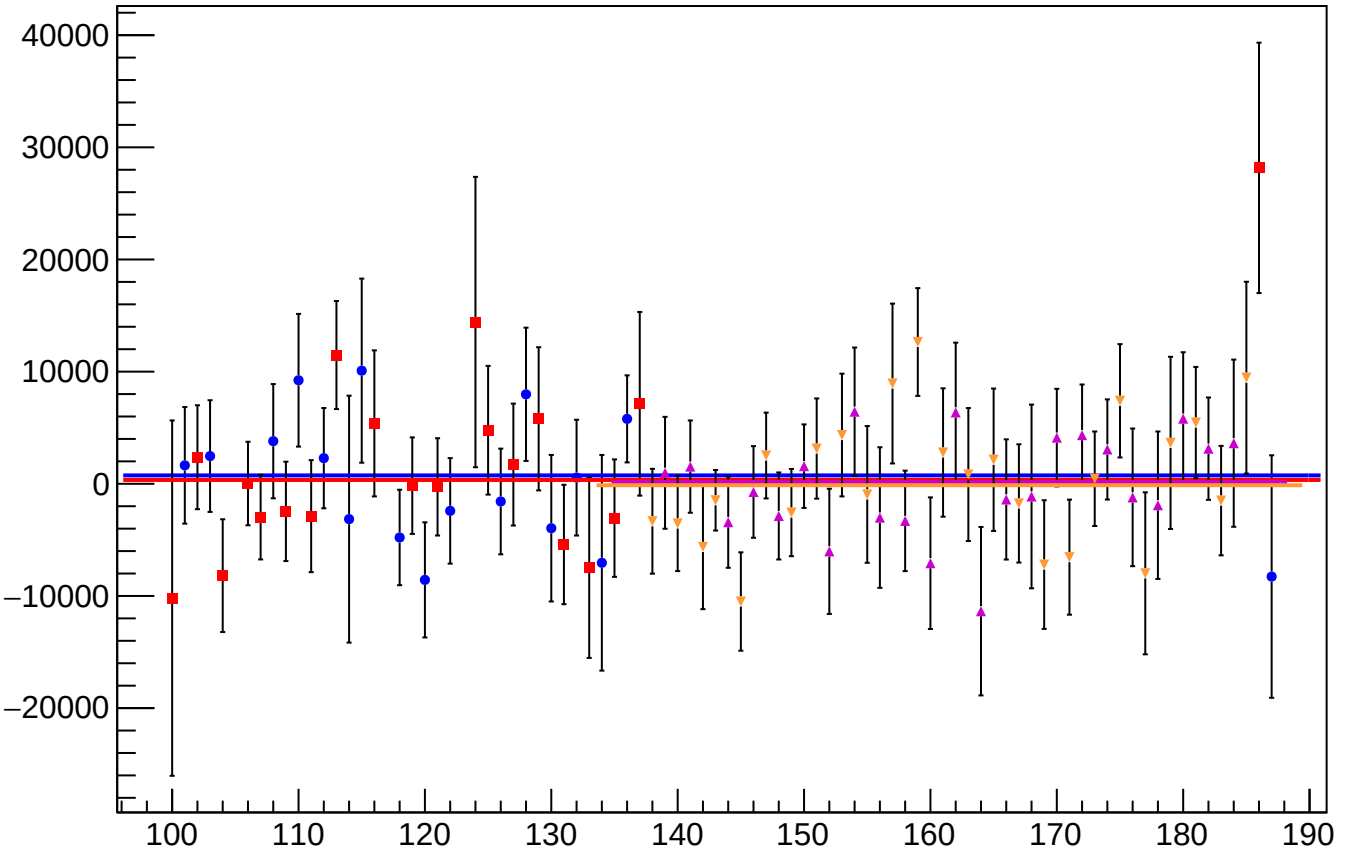
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1303.269+/-0.240 χ^2/NDF: 726850.4/36

In: 1311.357+/-0.184 χ^2/NDF:554264.0/39

Out: 1294.206+/-0.177 χ^2/NDF:447606.6/44

All: 1302.446+/-0.127 χ^2/NDF: 1006396.9/84



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 342.255+/-1193.137 χ^2/NDF: 23.1/19

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

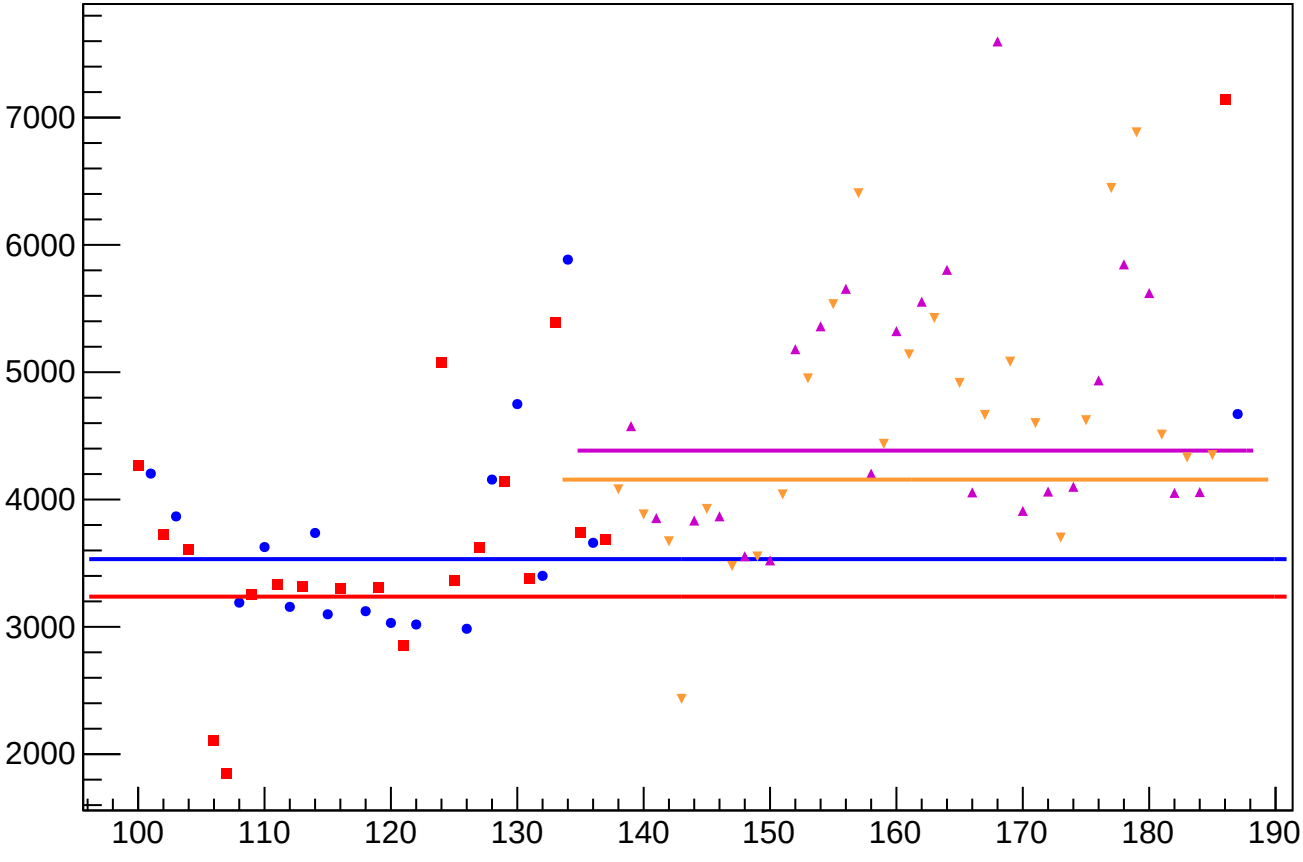
Right: 525.116+/-884.383 χ^2/NDF: 38.0/36

In: 386.902+/-818.975 χ^2/NDF:28.7/39

Out: 61.242+/-756.016 χ^2/NDF:51.8/44

All: 211.075+/-555.510 χ^2/NDF: 80.6/84

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3237.291+/-0.844 χ^2/NDF: 1019710.1/19

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

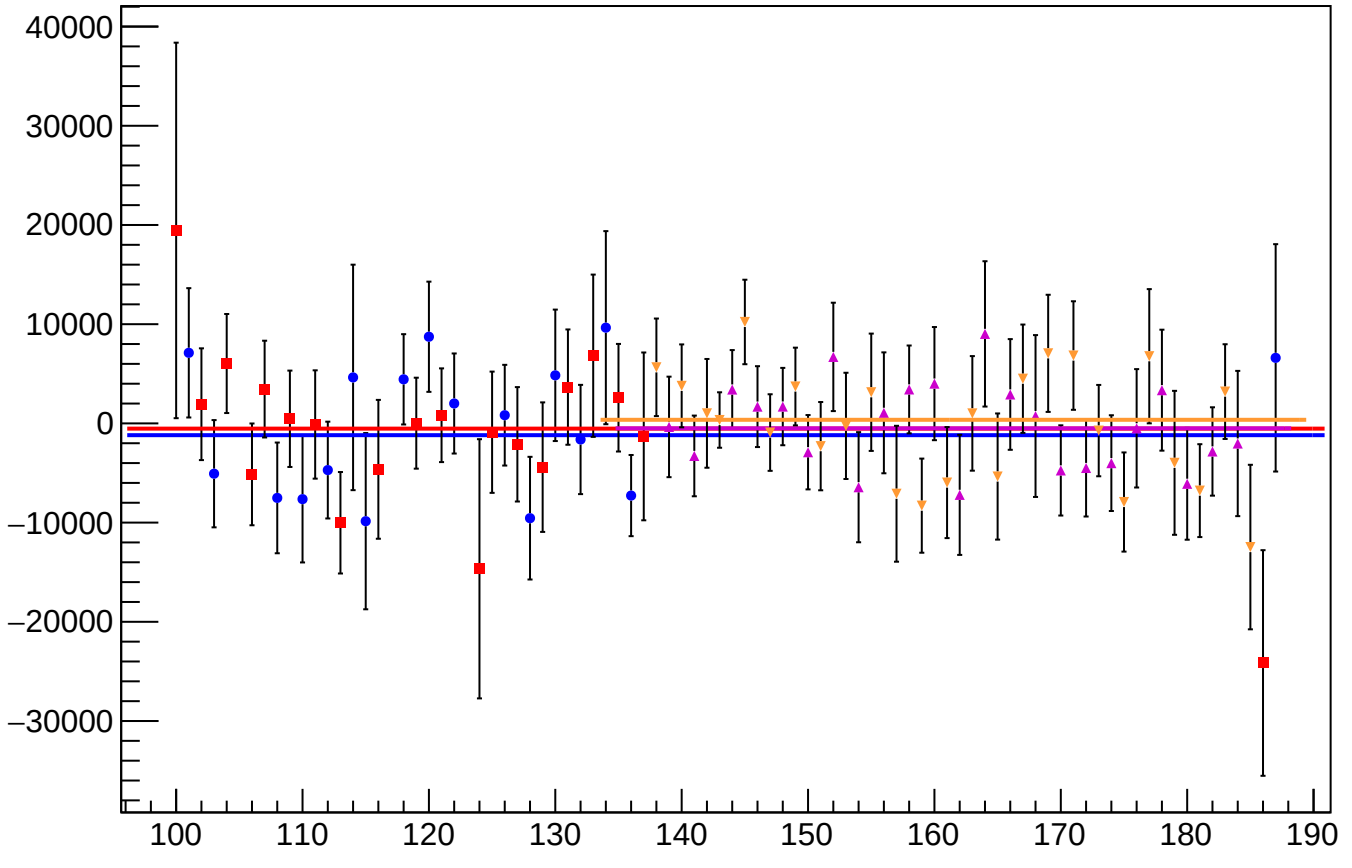
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3370.043+/-0.625 χ^2/NDF: 1472289.4/36

In: 4054.954+/-0.579 χ^2/NDF:2166813.0/39

Out: 3787.494+/-0.535 χ^2/NDF:3811083.9/44

All: 3910.549+/-0.393 χ^2/NDF: 6093064.1/84



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -527.725+/-1326.934 χ^2/NDF: 16.0/19

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

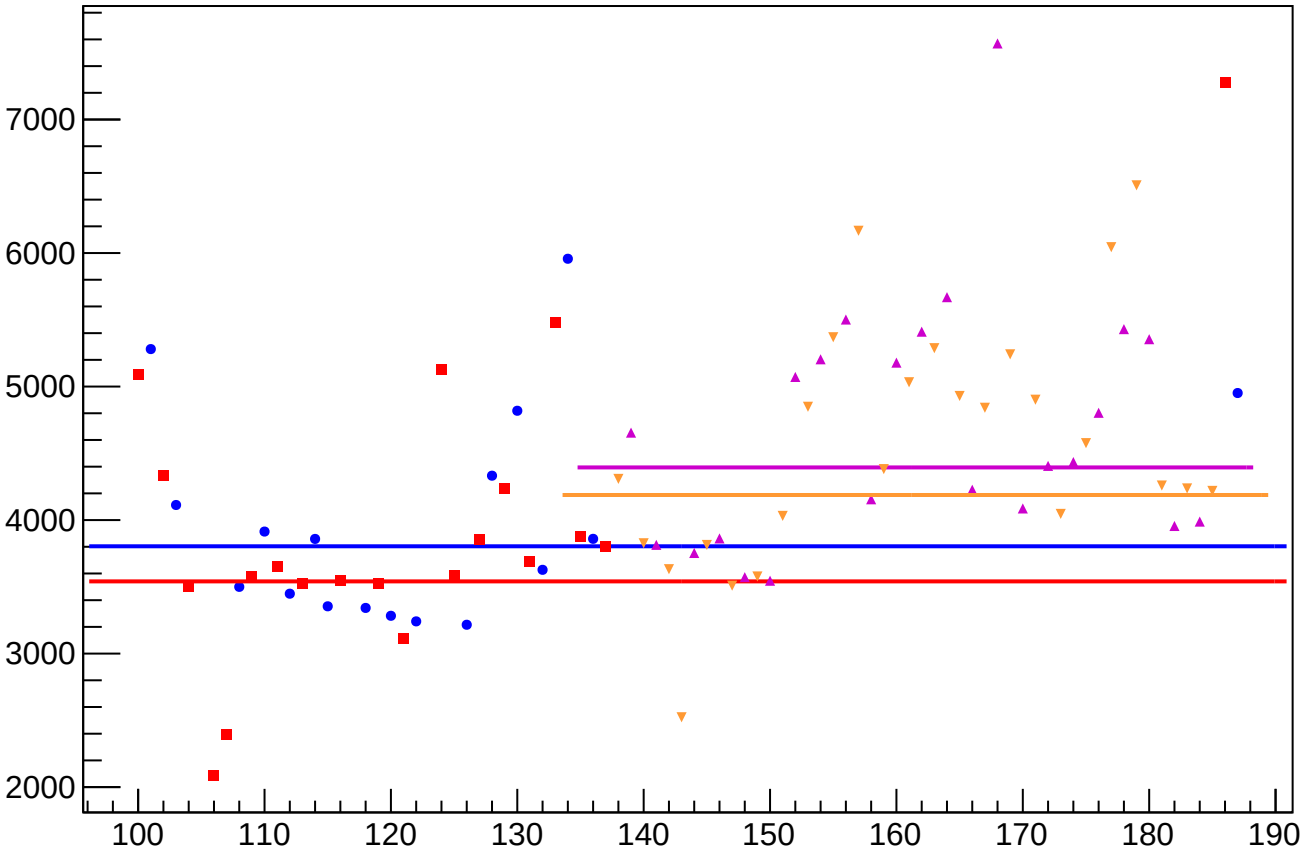
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -835.248+/-969.702 χ^2/NDF: 34.2/36

In: -739.776+/-841.623 χ^2/NDF:32.1/39

Out: 48.382+/-788.241 χ^2/NDF:44.0/44

All: -319.910+/-575.317 χ^2/NDF: 76.5/84



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3540.810+/-0.926 χ^2/NDF: 805651.3/19

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

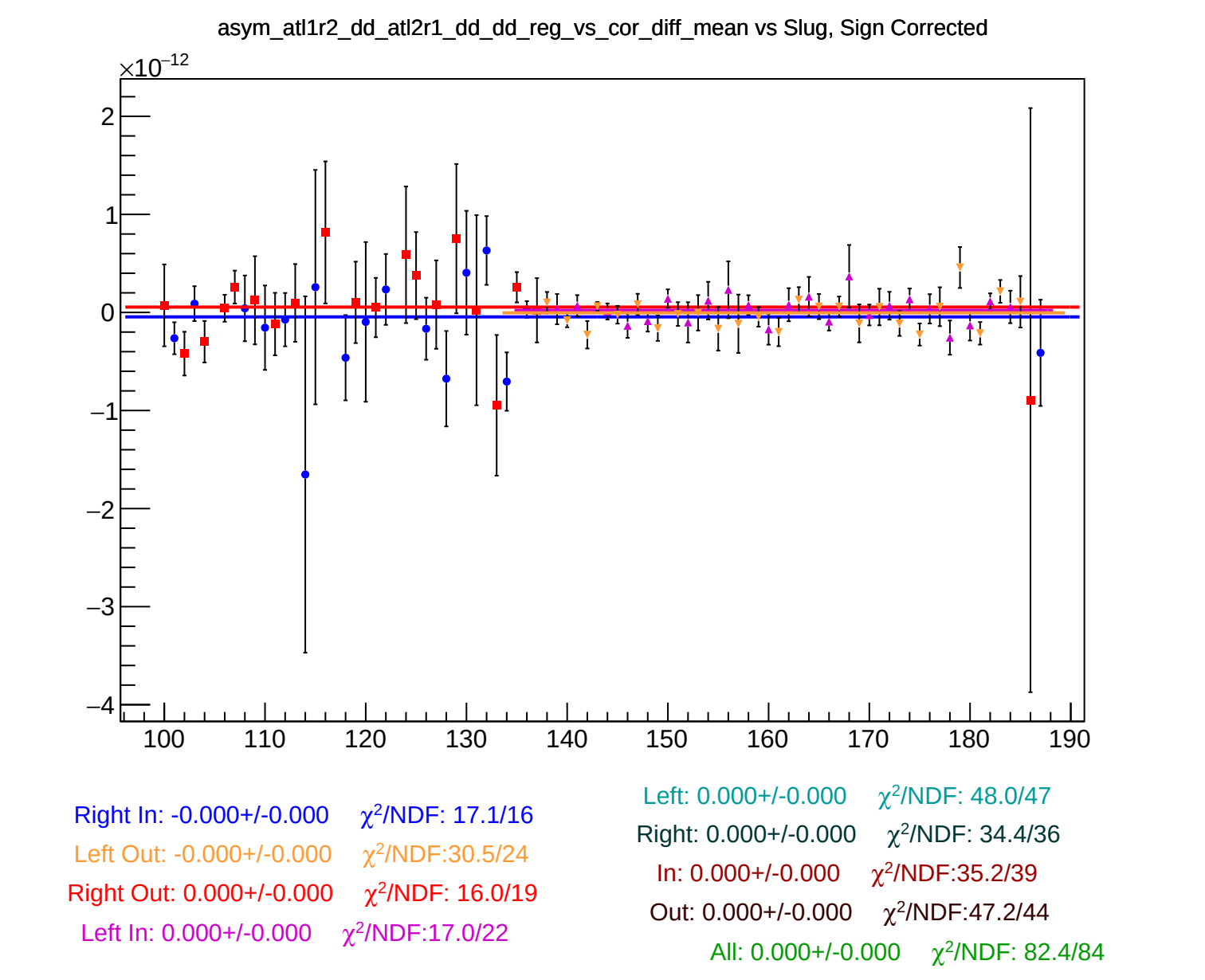
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 3661.531+/-0.681 χ^2/NDF: 1246063.4/36

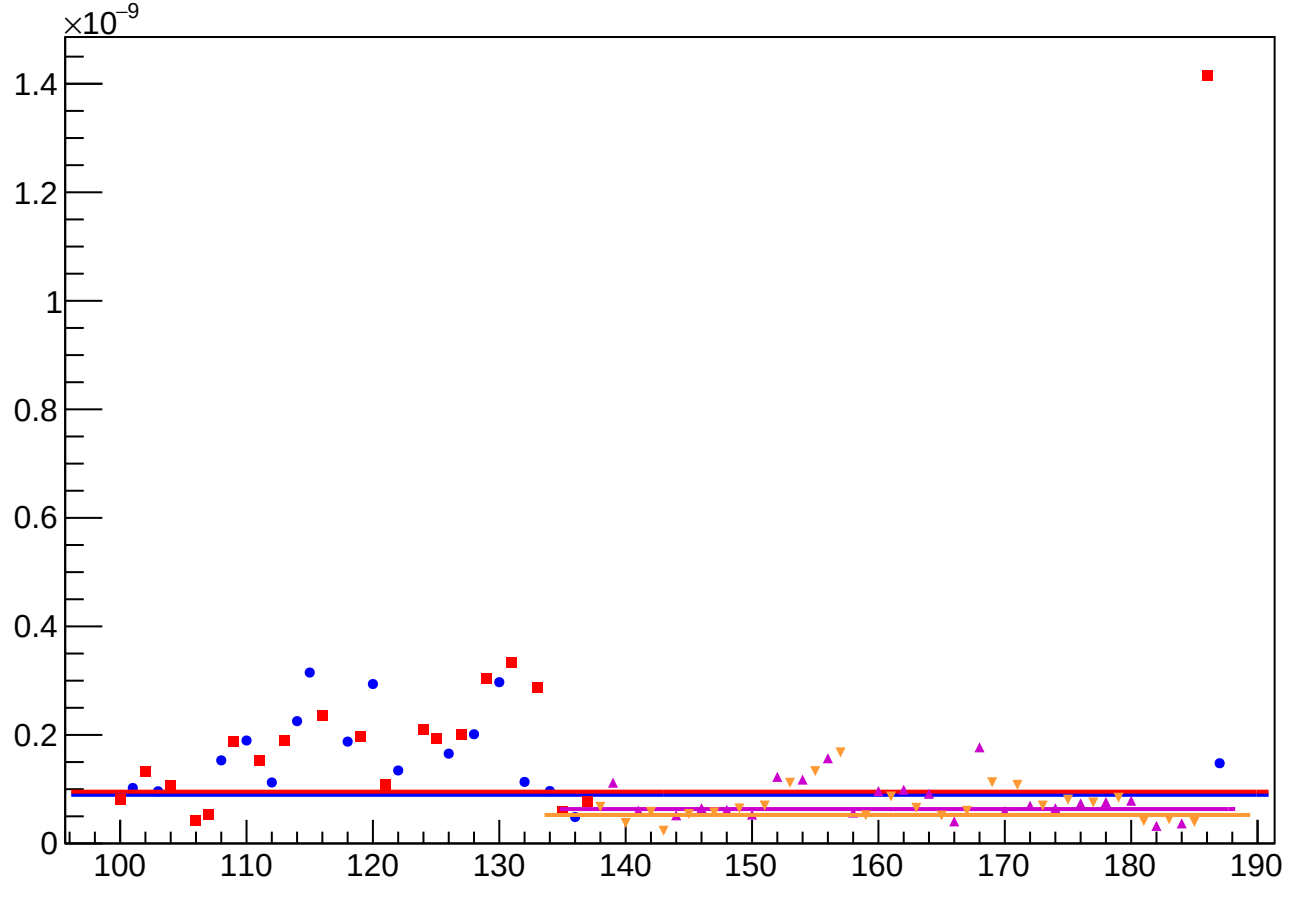
In: 4187.011+/-0.595 χ^2/NDF:1716151.8/39

Out: 3955.508+/-0.555 χ^2/NDF:2915149.5/44

All: 4063.130+/-0.406 χ^2/NDF: 4712277.4/84


asym_atl1r2_dd_atl2r1_dd_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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/16
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/19
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: 0.000+/-0.000 χ²/NDF: 34.4/36
In: 0.000+/-0.000 χ²/NDF:35.2/39
Out: 0.000+/-0.000 χ²/NDF:47.2/44
All: 0.000+/-0.000 χ²/NDF: 82.4/84

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2127050.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

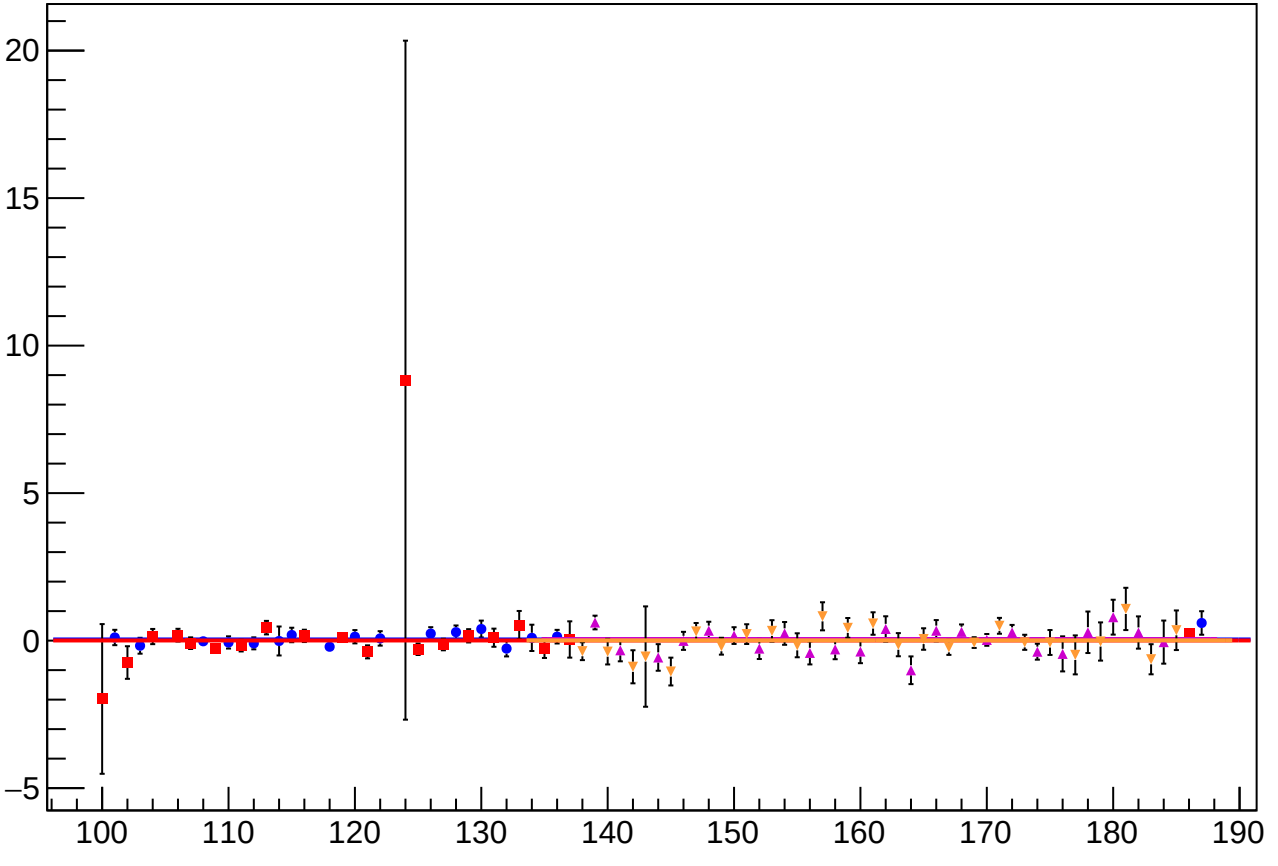
Right: 0.000+/-0.000 χ^2/NDF: 3619847.5/36

In: 0.000+/-0.000 χ^2/NDF:3607391.7/39

Out: 0.000+/-0.000 χ^2/NDF:5559371.3/44

All: 0.000+/-0.000 χ^2/NDF: 9390157.8/84

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

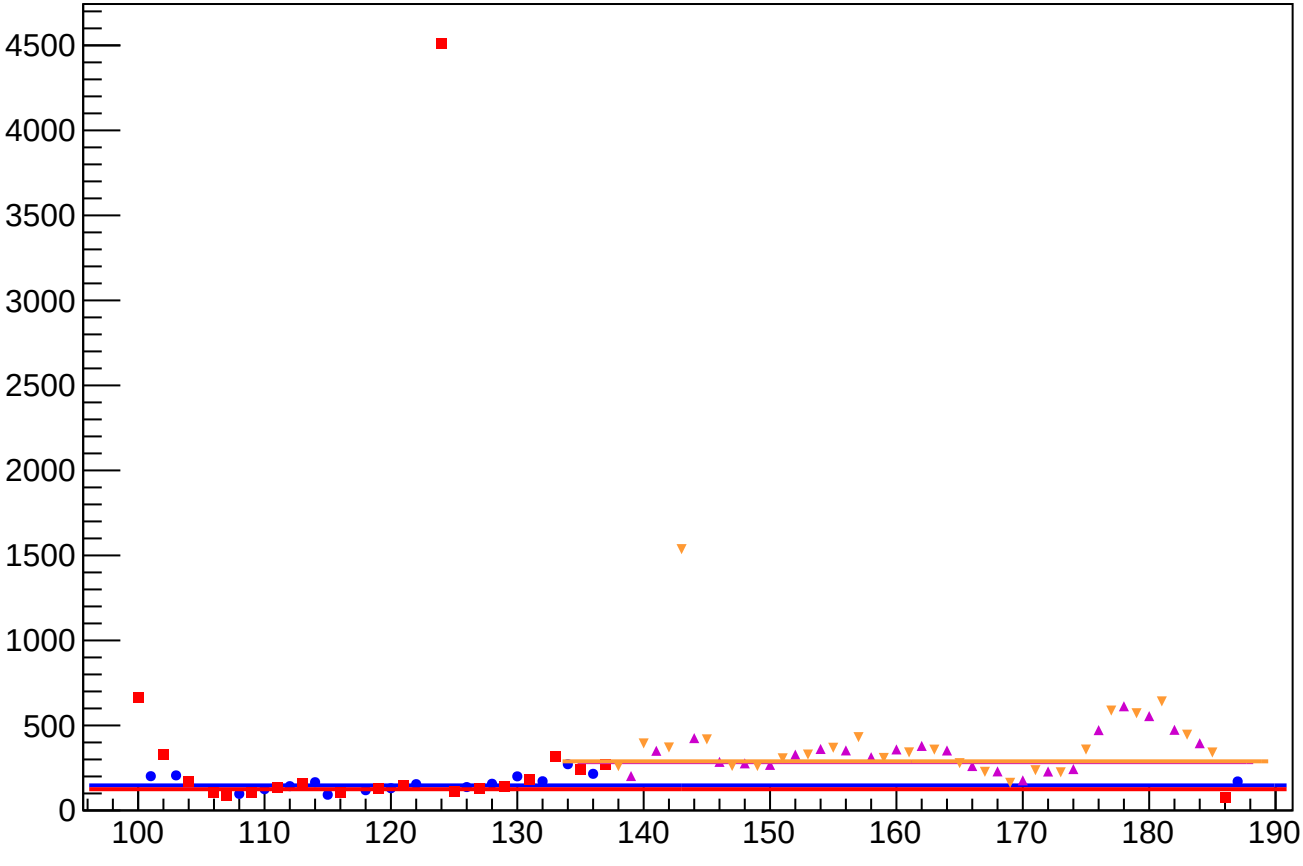
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

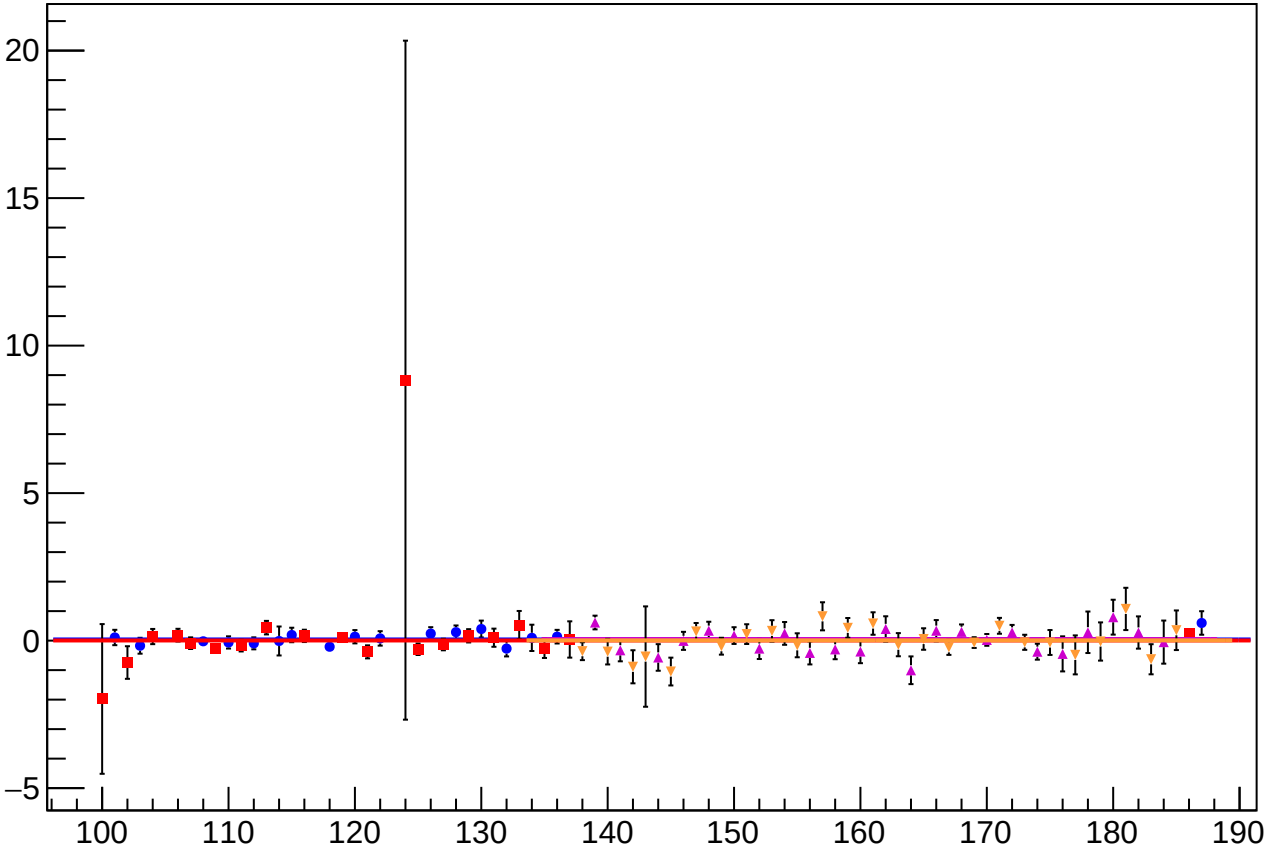
Right: 134.675+/-0.027 χ^2/NDF: 3170023.1/36

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

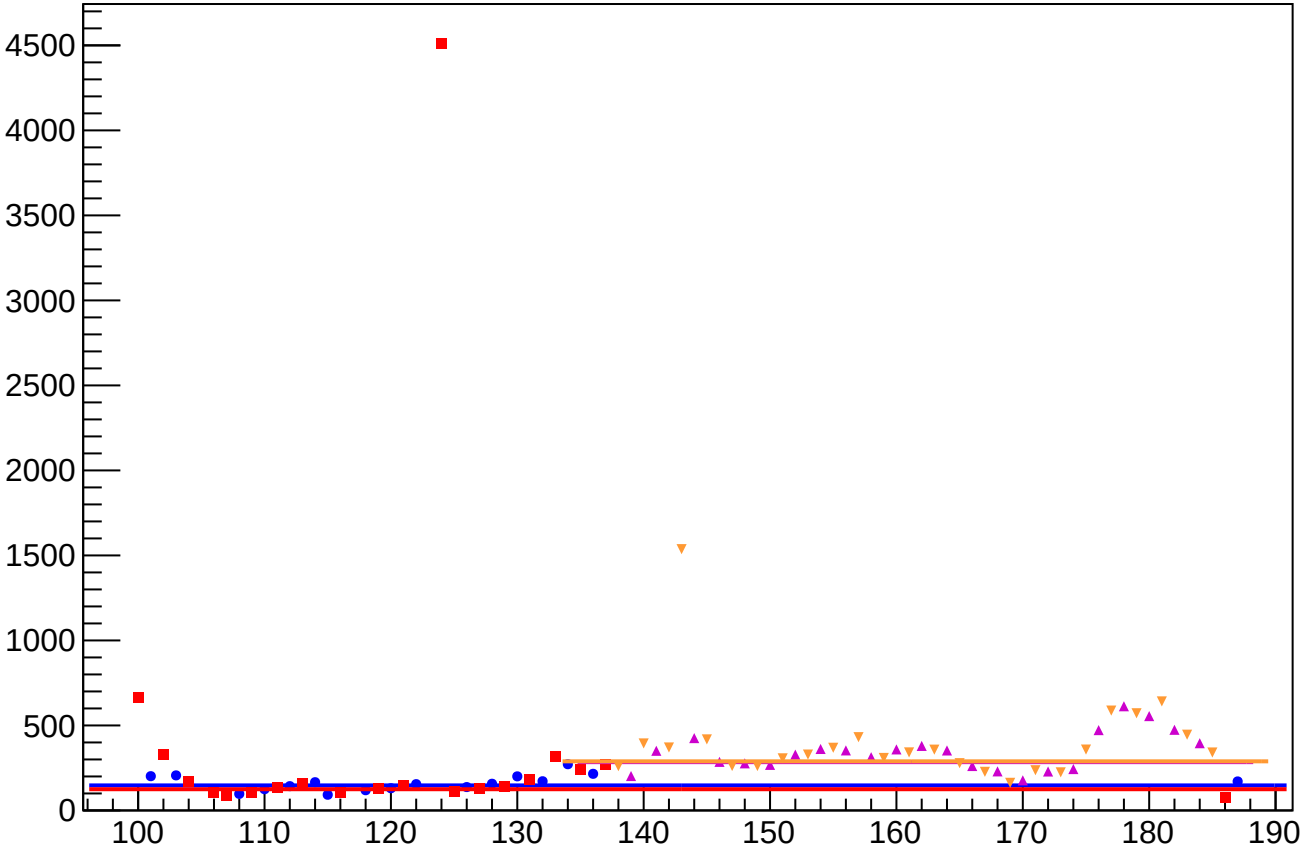
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

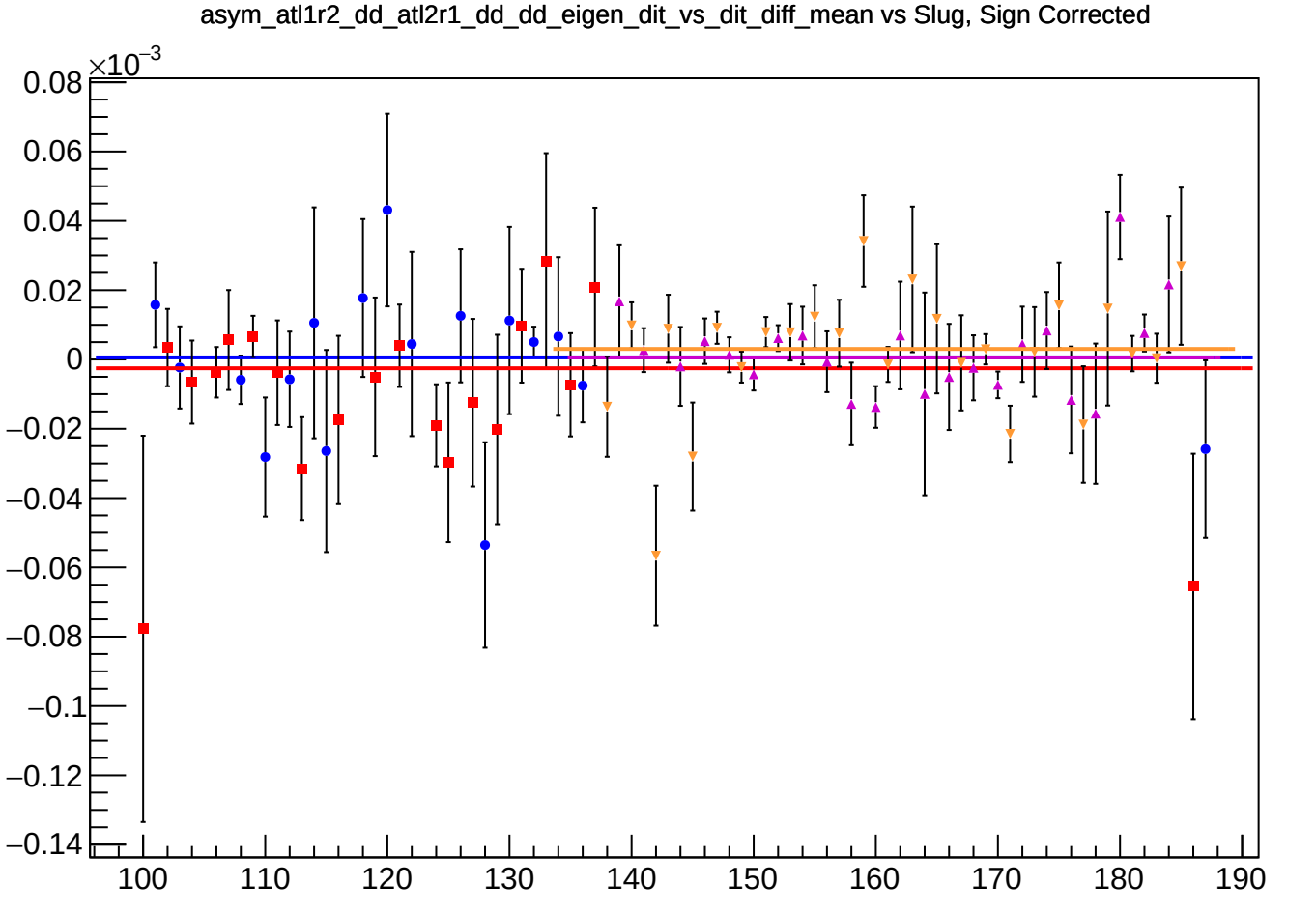
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

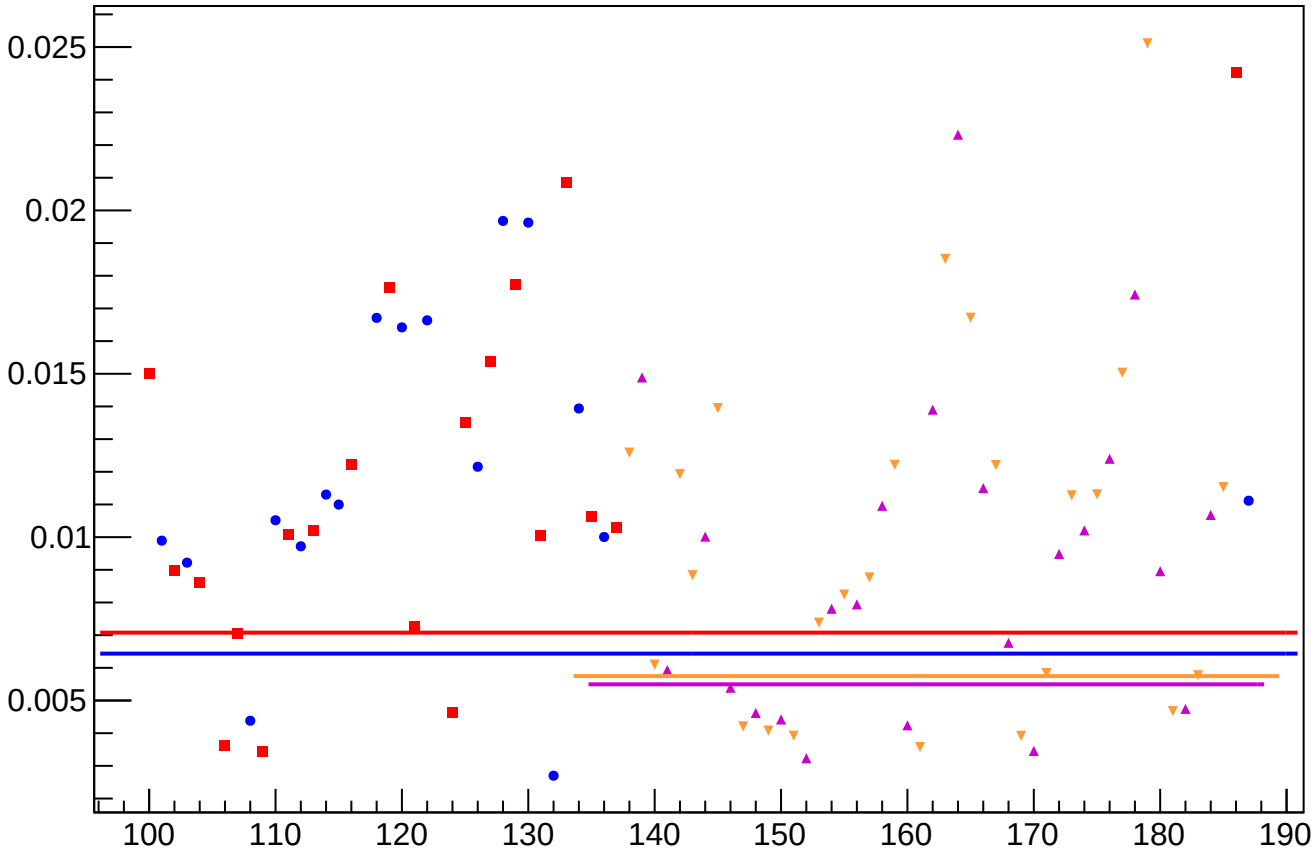
Right: 134.675+/-0.027 χ^2/NDF: 3170023.1/36

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84


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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.9/16
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/19
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 35.3/36
In: 0.000+/-0.000 χ²/NDF:49.1/39
Out: 0.000+/-0.000 χ²/NDF:63.7/44
All: 0.000+/-0.000 χ²/NDF: 113.3/84



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3813334.3/19

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

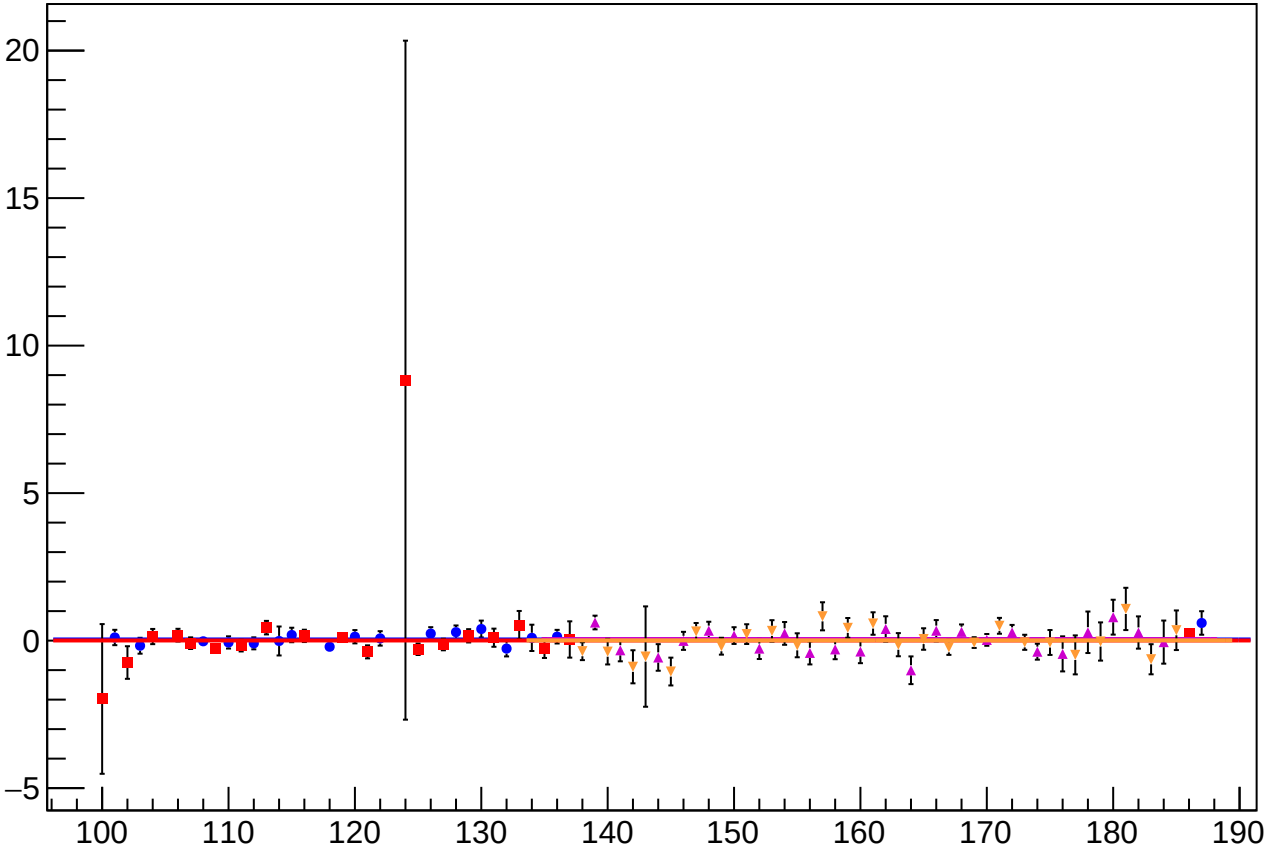
Right: 0.007+/-0.000 χ^2/NDF: 8567898.4/36

In: 0.006+/-0.000 χ^2/NDF:11808826.7/39

Out: 0.006+/-0.000 χ^2/NDF:12254012.6/44

All: 0.006+/-0.000 χ^2/NDF: 24119828.3/84

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

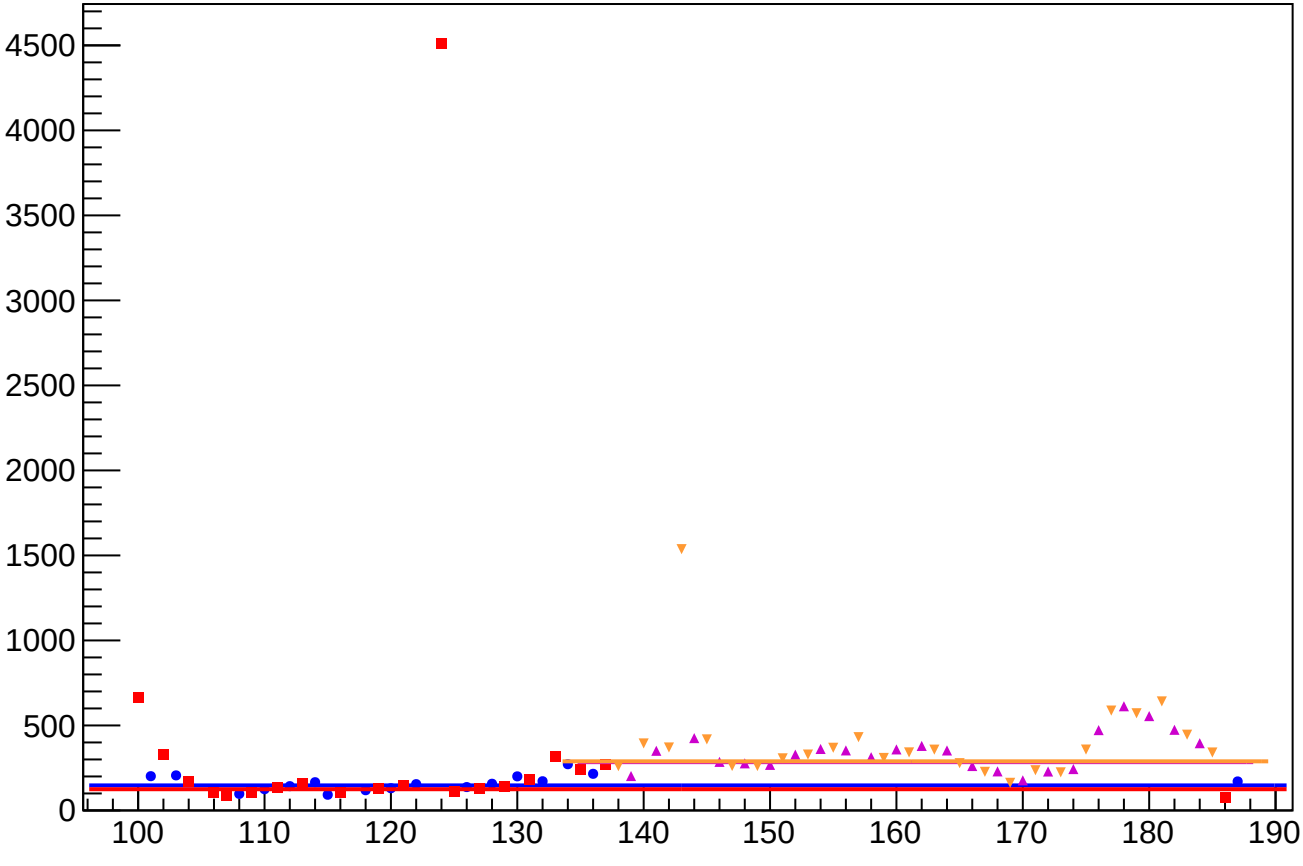
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

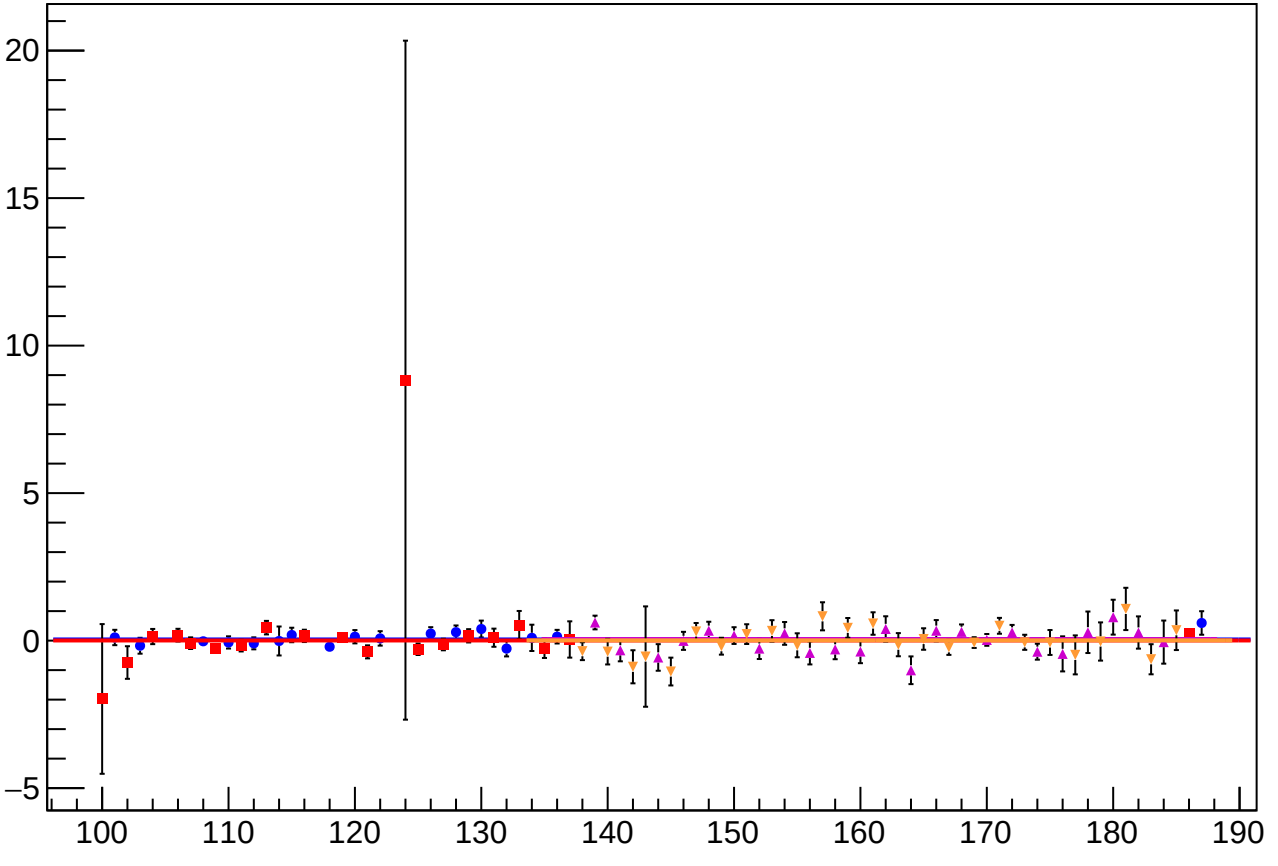
Right: 134.677+/-0.027 χ^2/NDF: 3169823.8/36

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

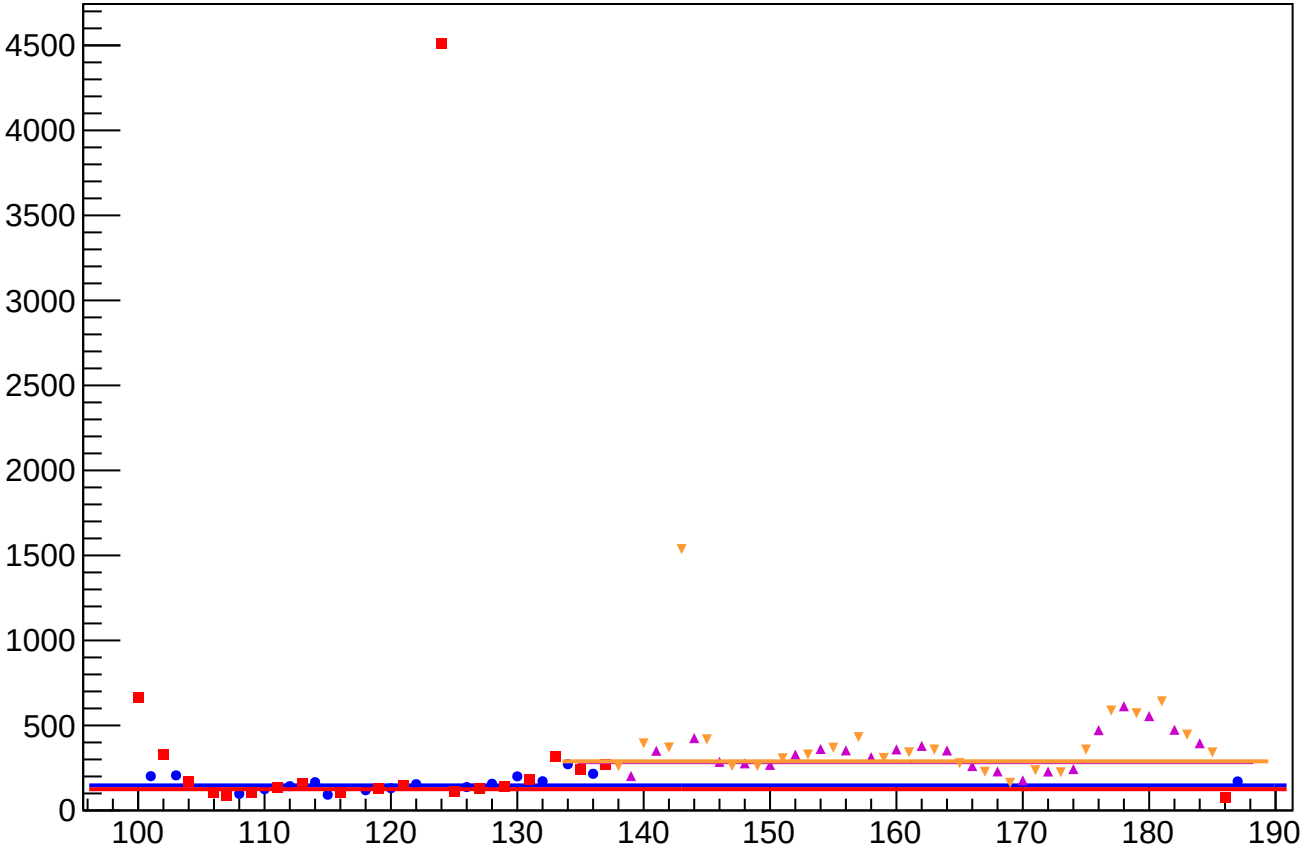
Right: 0.020+/-0.038 χ^2/NDF: 35.8/36

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.024+/-0.030 χ^2/NDF: 92.6/84

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

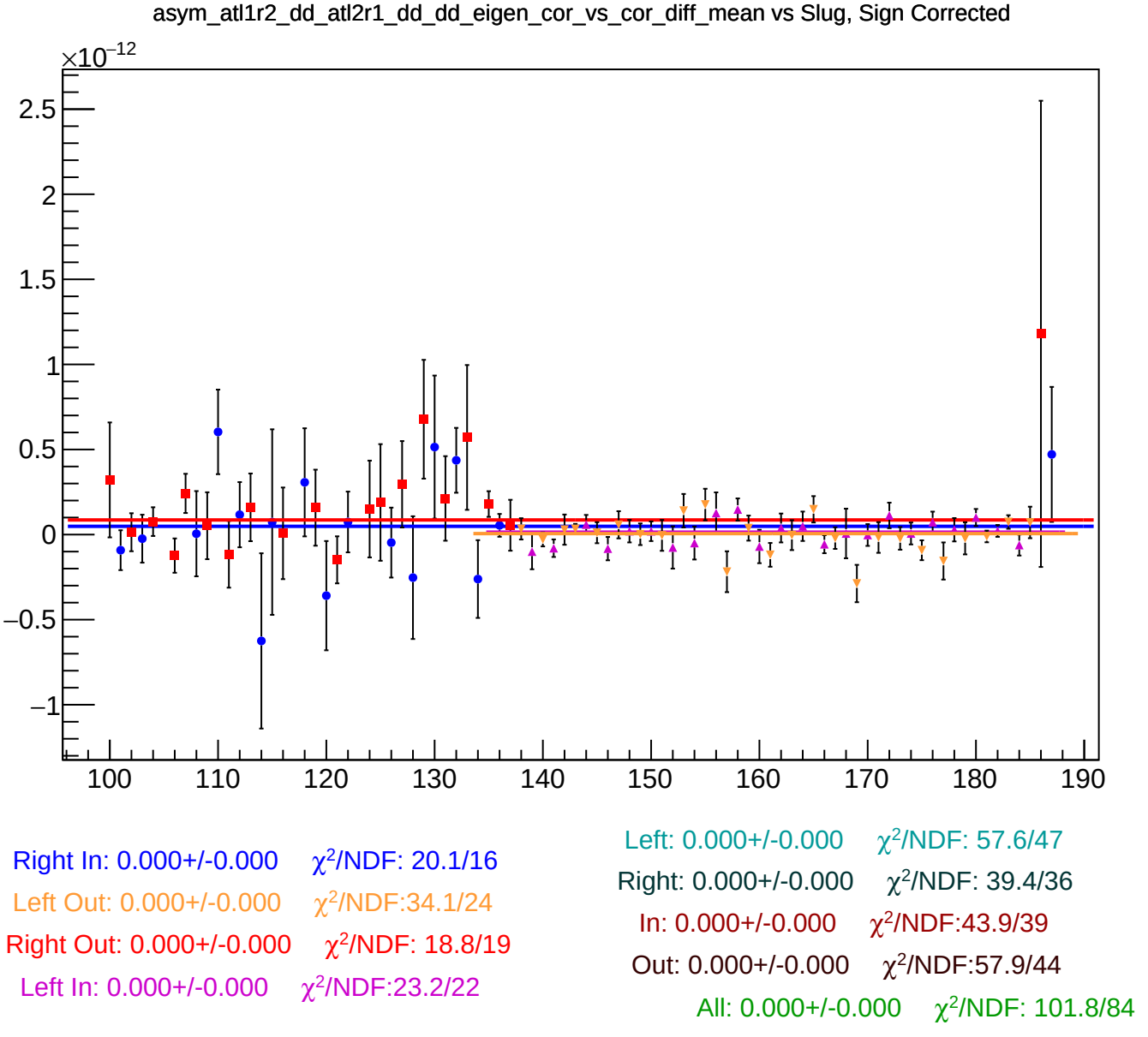
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 134.677+/-0.027 χ^2/NDF: 3169823.8/36

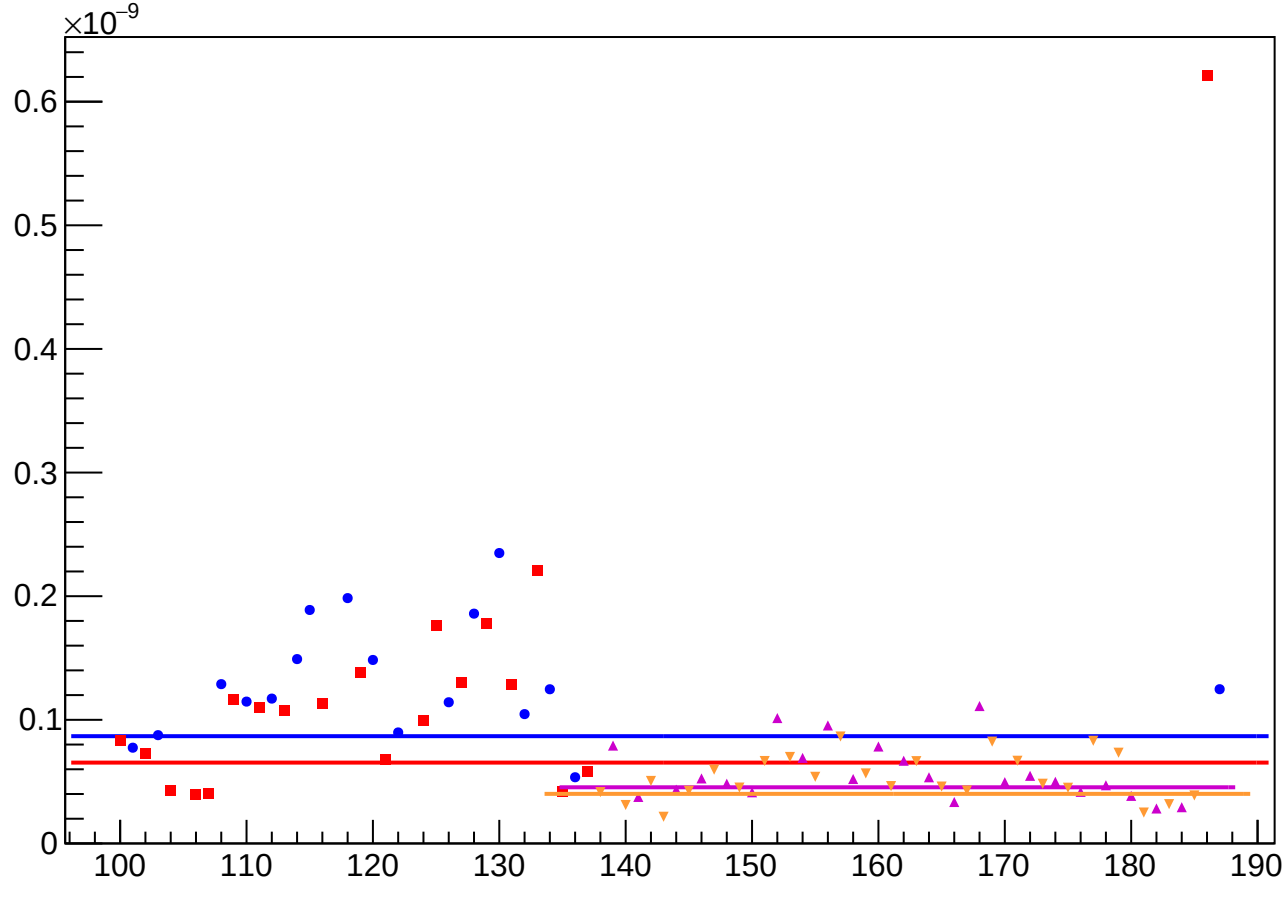
In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.1/16
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/19
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 39.4/36
In: 0.000+/-0.000 χ²/NDF:43.9/39
Out: 0.000+/-0.000 χ²/NDF:57.9/44
All: 0.000+/-0.000 χ²/NDF: 101.8/84

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1584239.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2488433.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

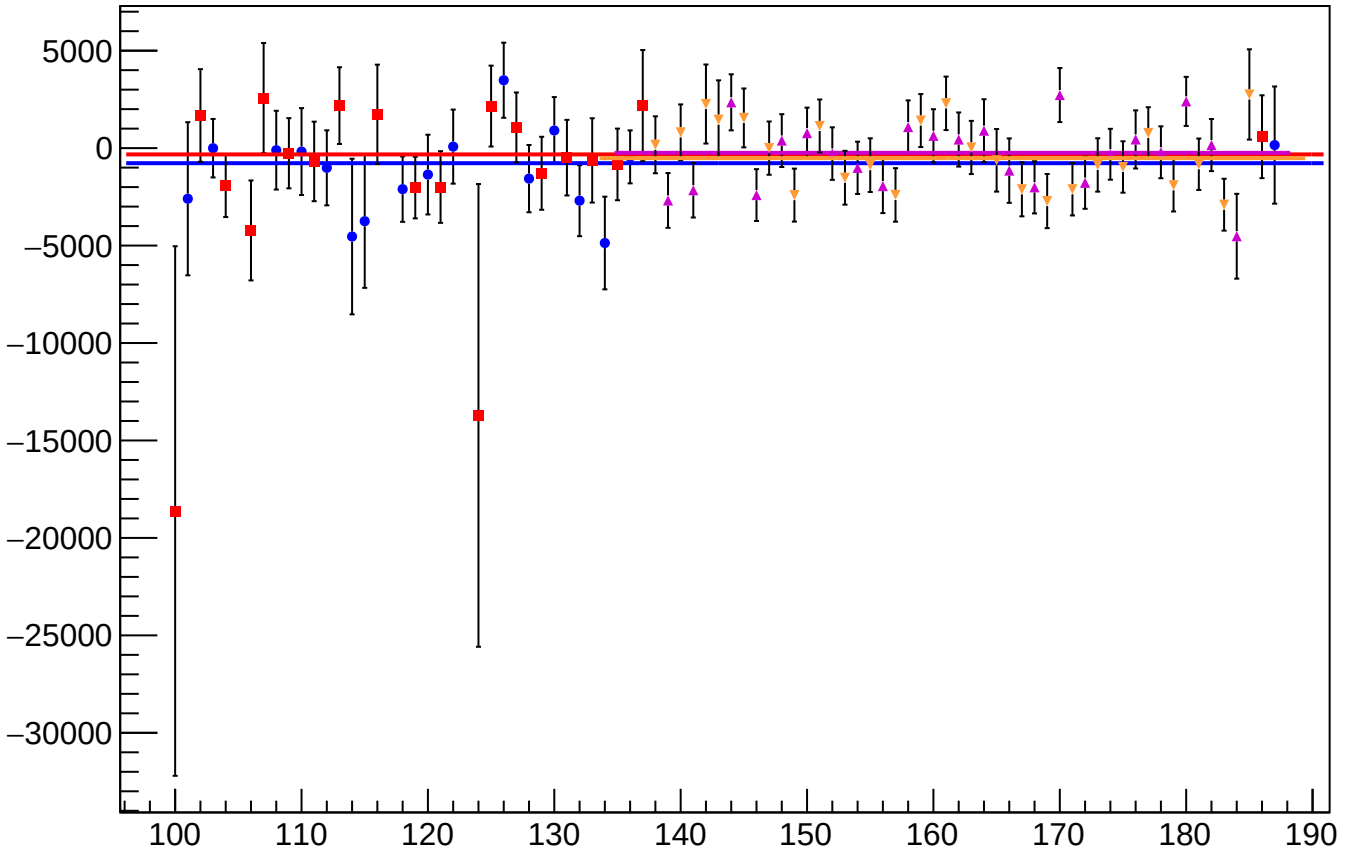
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4379577.9/36

In: 0.000+/-0.000 χ^2/NDF:6081623.0/39

Out: 0.000+/-0.000 χ^2/NDF:7066418.6/44

All: 0.000+/-0.000 χ^2/NDF: 13410706.8/84



Right In: -772.835+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -322.583+/-473.608 χ^2/NDF: 15.8/19

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

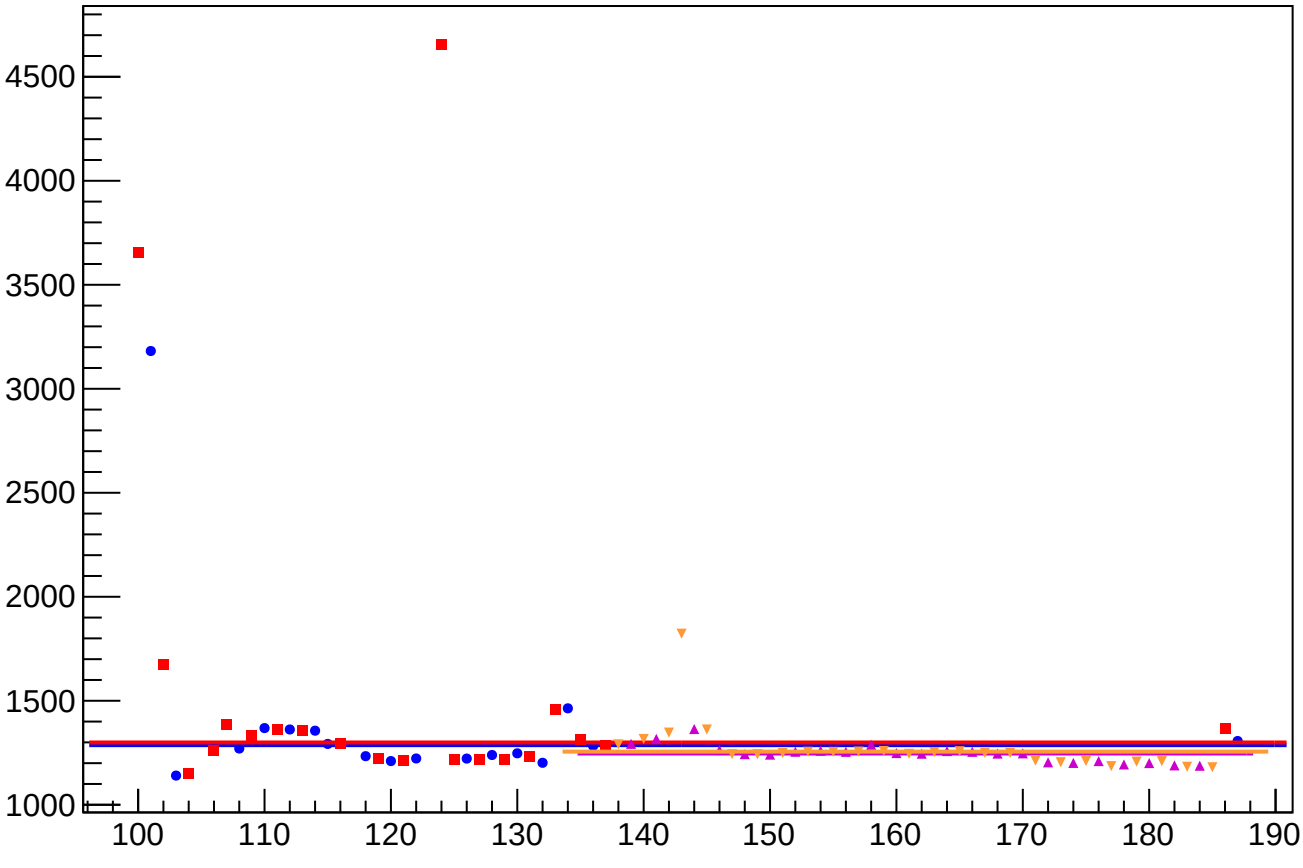
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -544.144+/-337.532 χ^2/NDF: 29.8/36

In: -384.781+/-249.108 χ^2/NDF:46.4/39

Out: -463.219+/-244.789 χ^2/NDF:46.8/44

All: -424.686+/-174.599 χ^2/NDF: 93.3/84



Right In: 1286.619+/-0.340 χ^2/NDF: 518216.2/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1299.478+/-0.335 χ^2/NDF: 330201.9/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

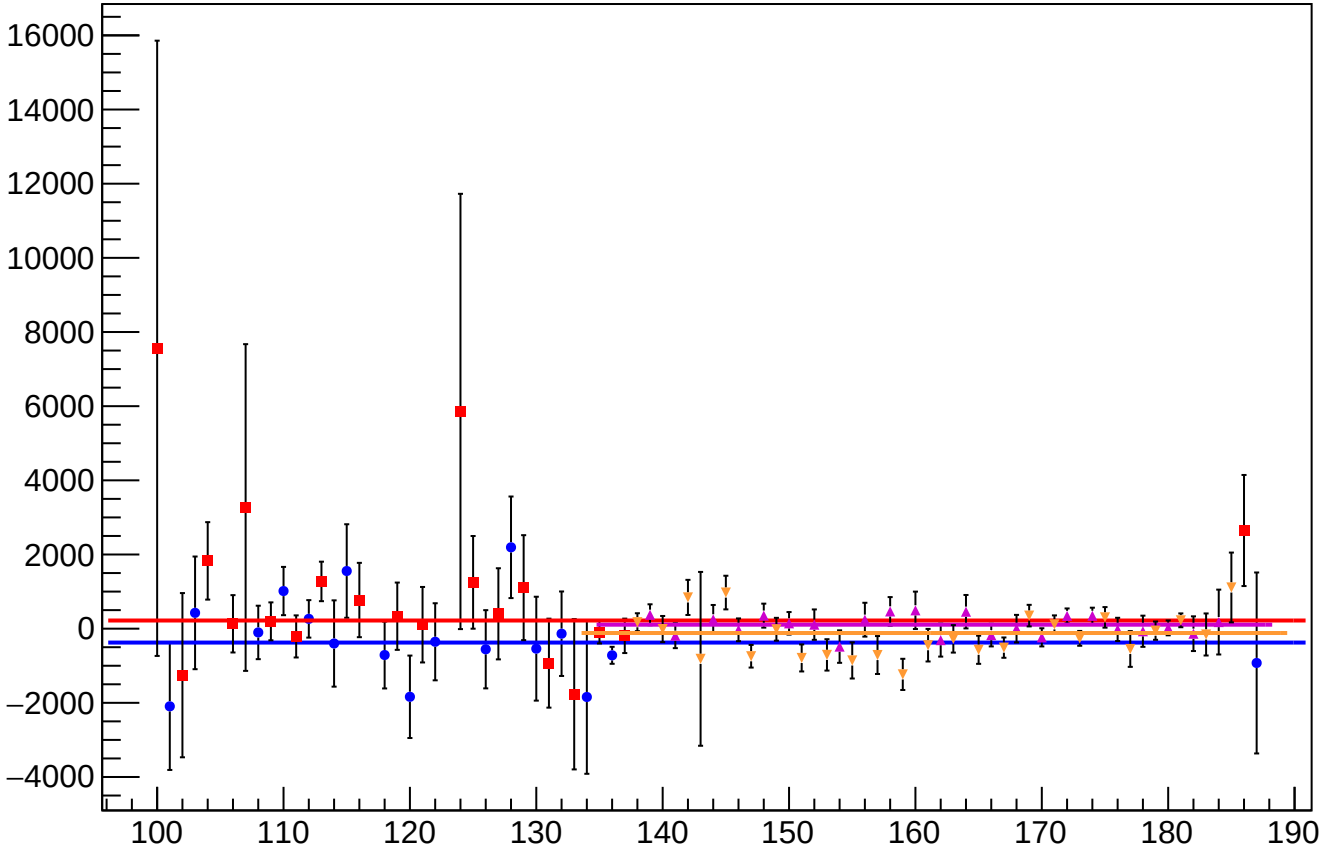
Right: 1293.150+/-0.239 χ^2/NDF: 849143.7/36

In: 1257.146+/-0.176 χ^2/NDF:568324.3/39

Out: 1267.259+/-0.173 χ^2/NDF:545956.0/44

All: 1262.291+/-0.123 χ^2/NDF: 1115956.9/84

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -374.939+/-167.806 χ^2/NDF: 18.2/16

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 220.052+/-168.499 χ^2/NDF: 17.3/19

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

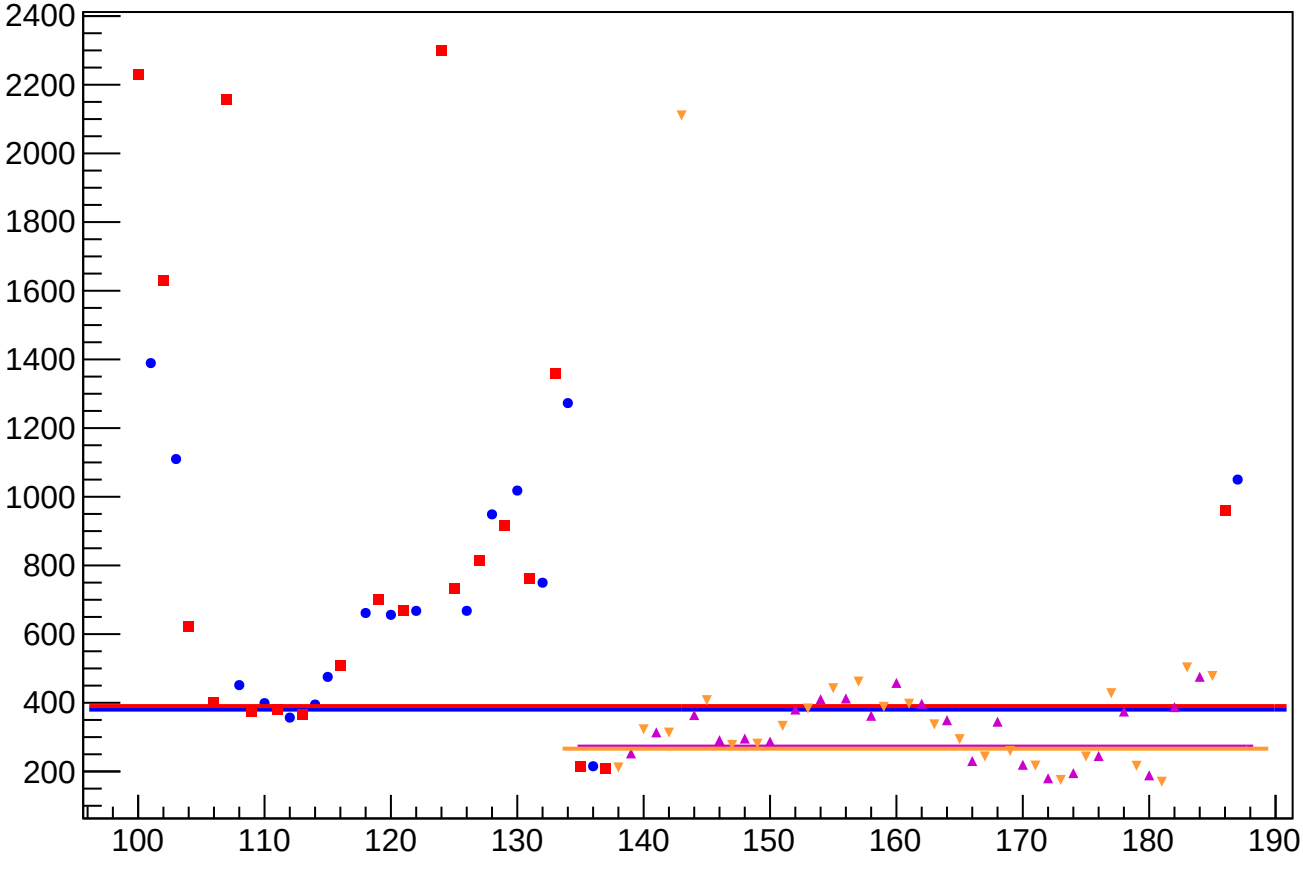
Right: -78.671+/-118.901 χ^2/NDF: 41.8/36

In: 41.027+/-62.224 χ^2/NDF:39.1/39

Out: -73.296+/-60.692 χ^2/NDF:69.2/44

All: -17.559+/-43.447 χ^2/NDF: 110.0/84

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 380.076+/-0.119 χ^2/NDF: 4341702.4/16

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 390.382+/-0.119 χ^2/NDF: 4347639.0/19

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

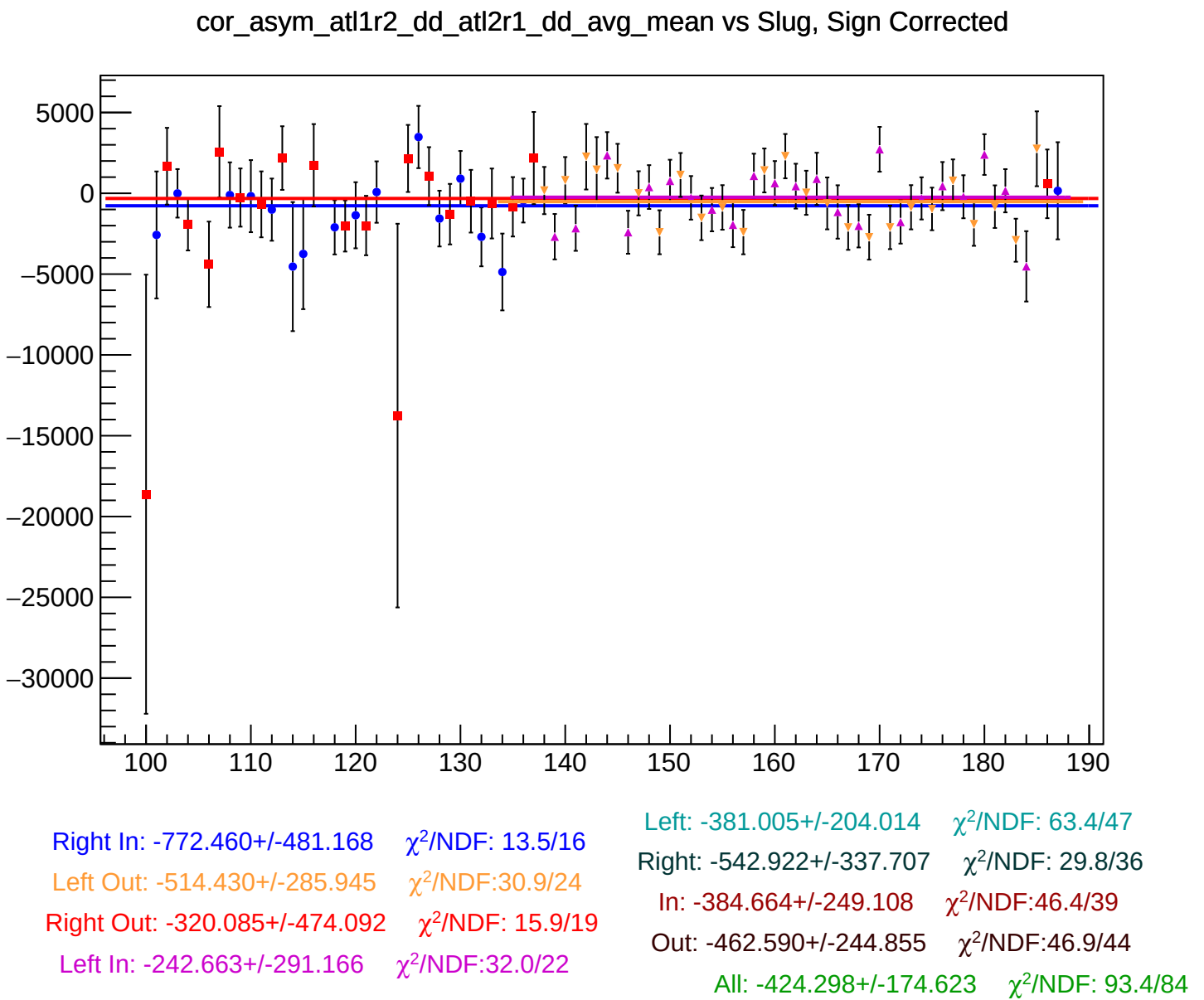
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

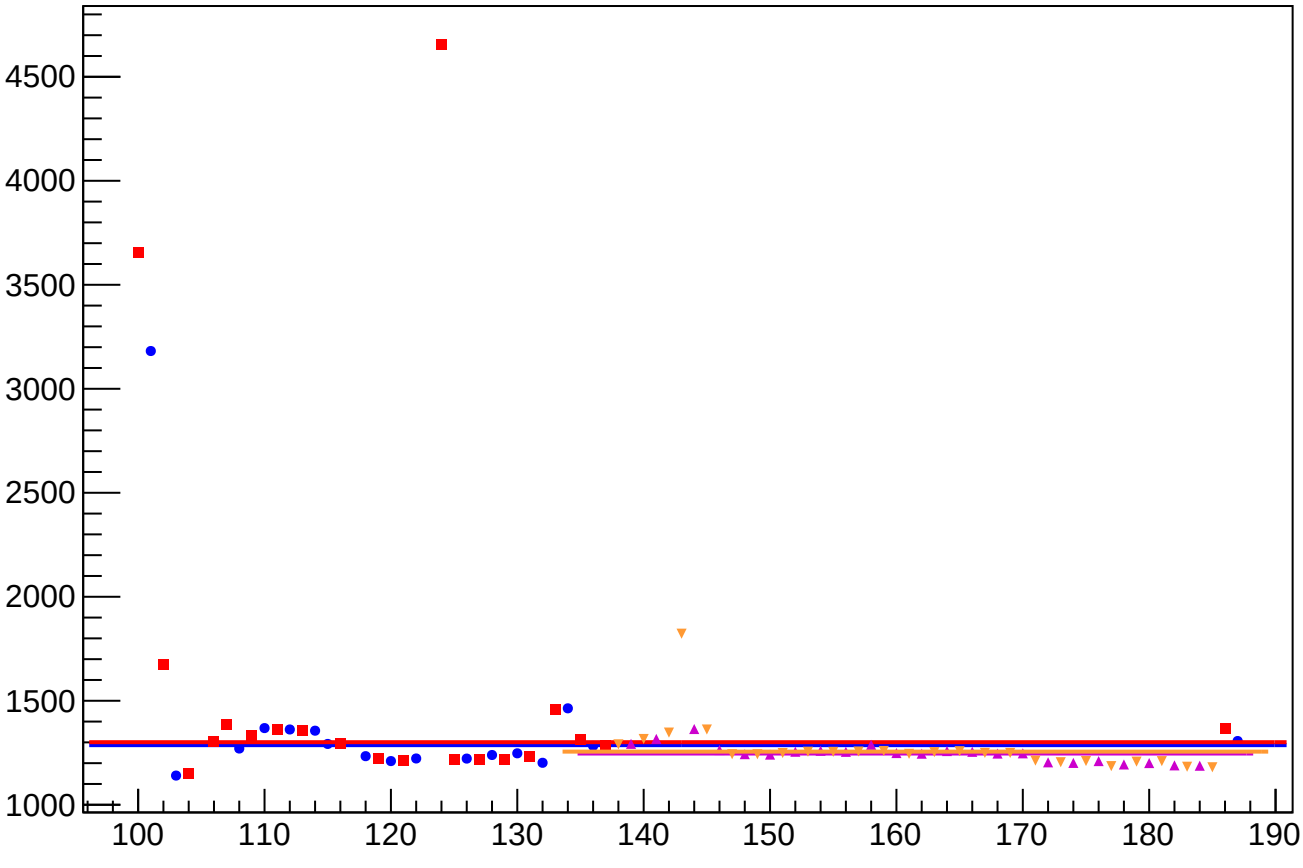
Right: 385.208+/-0.084 χ^2/NDF: 8693097.4/36

In: 287.178+/-0.044 χ^2/NDF:7940207.0/39

Out: 282.416+/-0.043 χ^2/NDF:9921298.4/44

All: 284.738+/-0.031 χ^2/NDF: 17867507.3/84


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
170
180
190
Right In: -772.460+/-481.168 χ²/NDF: 13.5/16
Left Out: -514.430+/-285.945 χ²/NDF:30.9/24
Right Out: -320.085+/-474.092 χ²/NDF: 15.9/19
Left In: -242.663+/-291.166 χ²/NDF:32.0/22
Left: -381.005+/-204.014 χ²/NDF: 63.4/47
Right: -542.922+/-337.707 χ²/NDF: 29.8/36
In: -384.664+/-249.108 χ²/NDF:46.4/39
Out: -462.590+/-244.855 χ²/NDF:46.9/44
All: -424.298+/-174.623 χ²/NDF: 93.4/84



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

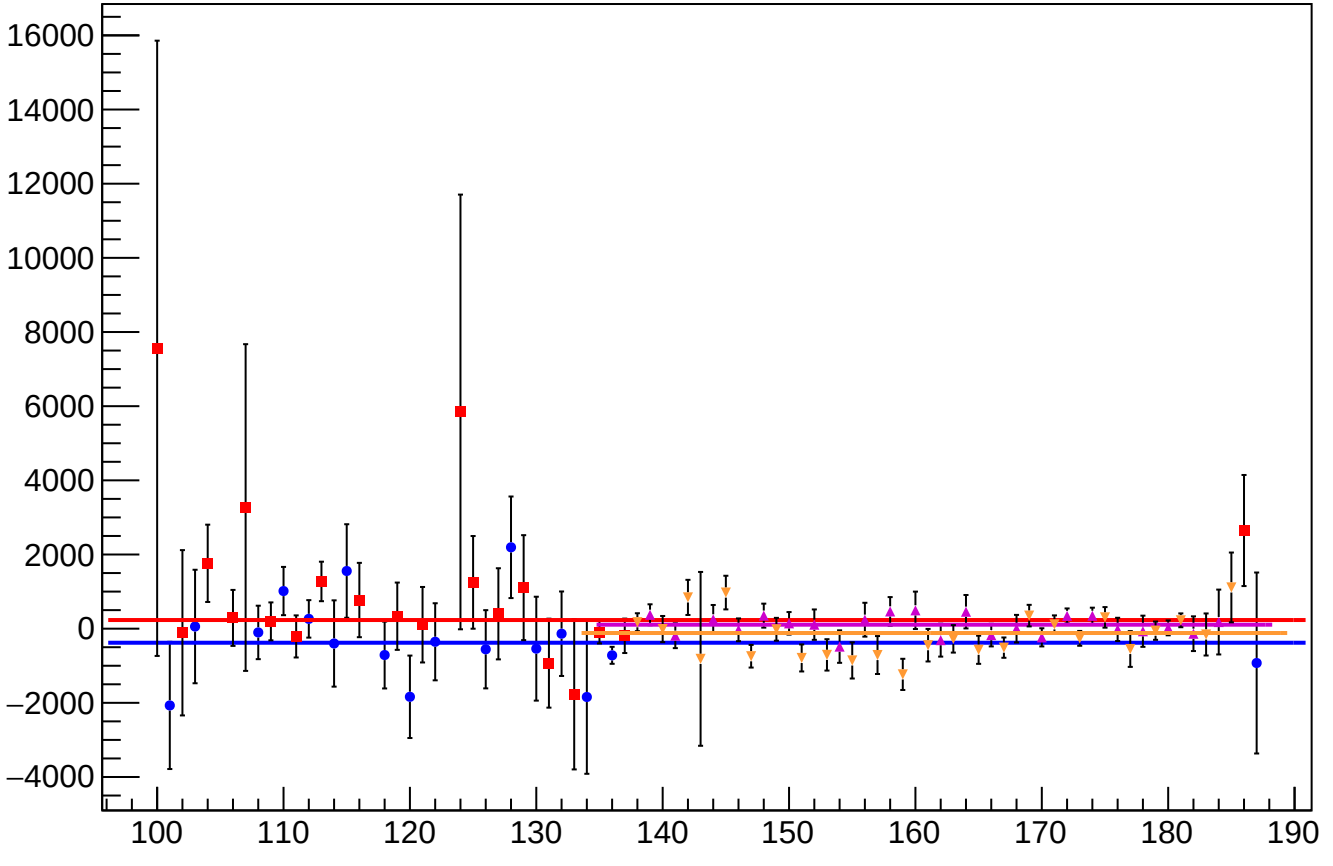
Right: 1293.847+/-0.239 χ^2/NDF: 848894.6/36

In: 1257.146+/-0.176 χ^2/NDF:568325.6/39

Out: 1267.611+/-0.173 χ^2/NDF:546330.3/44

All: 1262.469+/-0.123 χ^2/NDF: 1116450.9/84

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

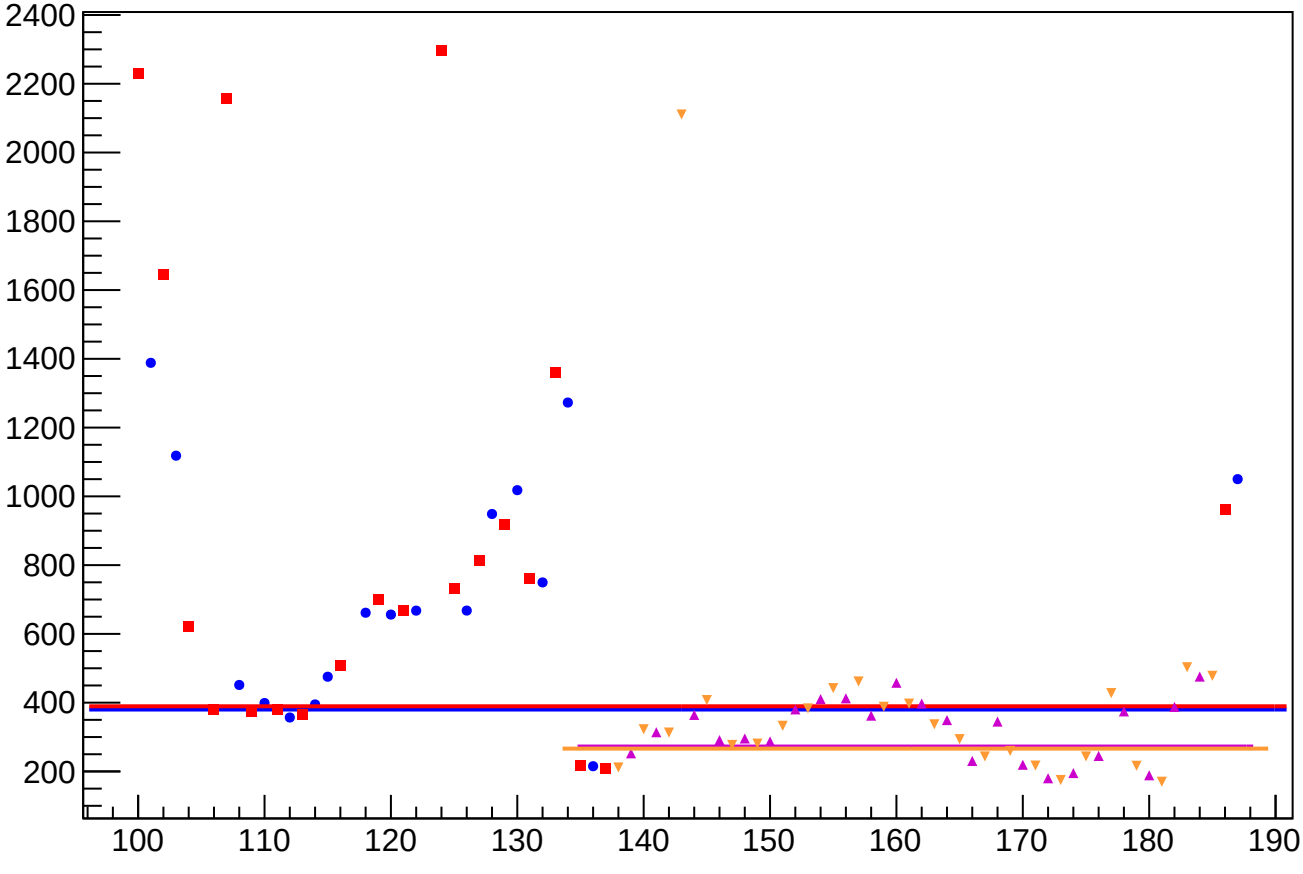
Right: -74.053+/-118.839 χ^2/NDF: 41.3/36

In: 40.530+/-62.227 χ^2/NDF:39.0/39

Out: -71.499+/-60.684 χ^2/NDF:68.9/44

All: -16.890+/-43.445 χ^2/NDF: 109.5/84

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

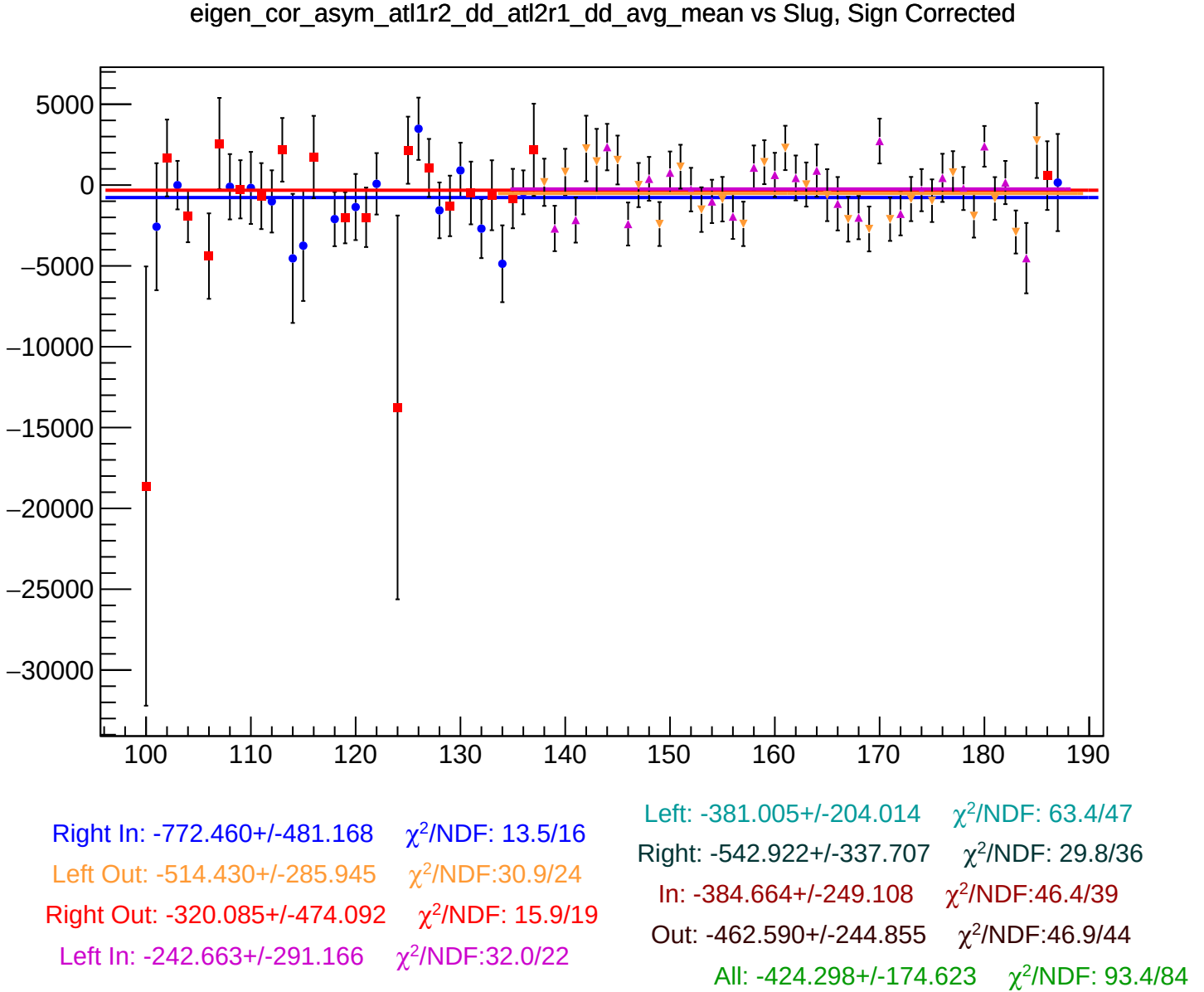
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

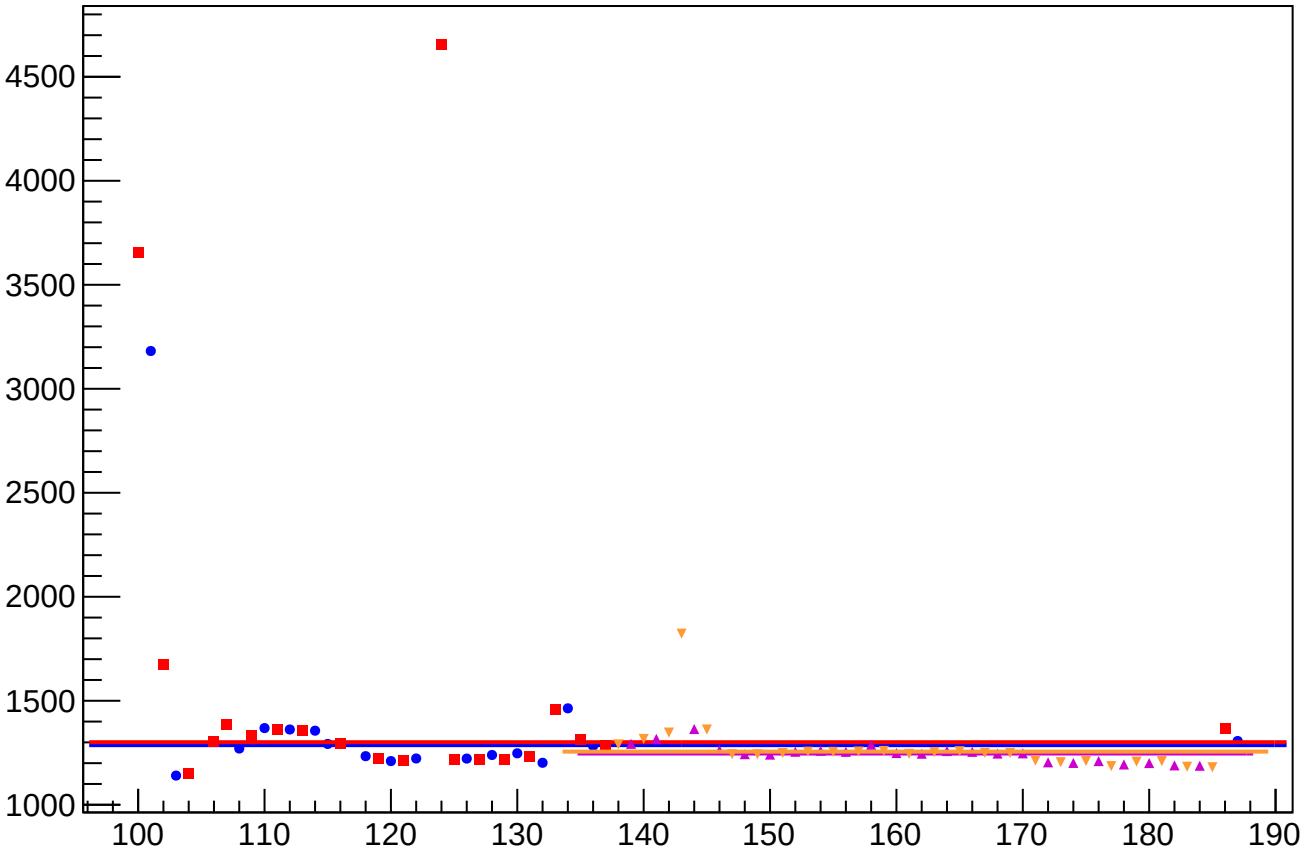
Right: 384.740+/-0.084 χ^2/NDF: 8702030.1/36

In: 287.183+/-0.044 χ^2/NDF:7942738.5/39

Out: 282.331+/-0.043 χ^2/NDF:9915269.0/44

All: 284.696+/-0.031 χ^2/NDF: 17864238.5/84


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
170
180
190
Right In: -772.460+/-481.168 χ²/NDF: 13.5/16
Left Out: -514.430+/-285.945 χ²/NDF:30.9/24
Right Out: -320.085+/-474.092 χ²/NDF: 15.9/19
Left In: -242.663+/-291.166 χ²/NDF:32.0/22
Left: -381.005+/-204.014 χ²/NDF: 63.4/47
Right: -542.922+/-337.707 χ²/NDF: 29.8/36
In: -384.664+/-249.108 χ²/NDF:46.4/39
Out: -462.590+/-244.855 χ²/NDF:46.9/44
All: -424.298+/-174.623 χ²/NDF: 93.4/84



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

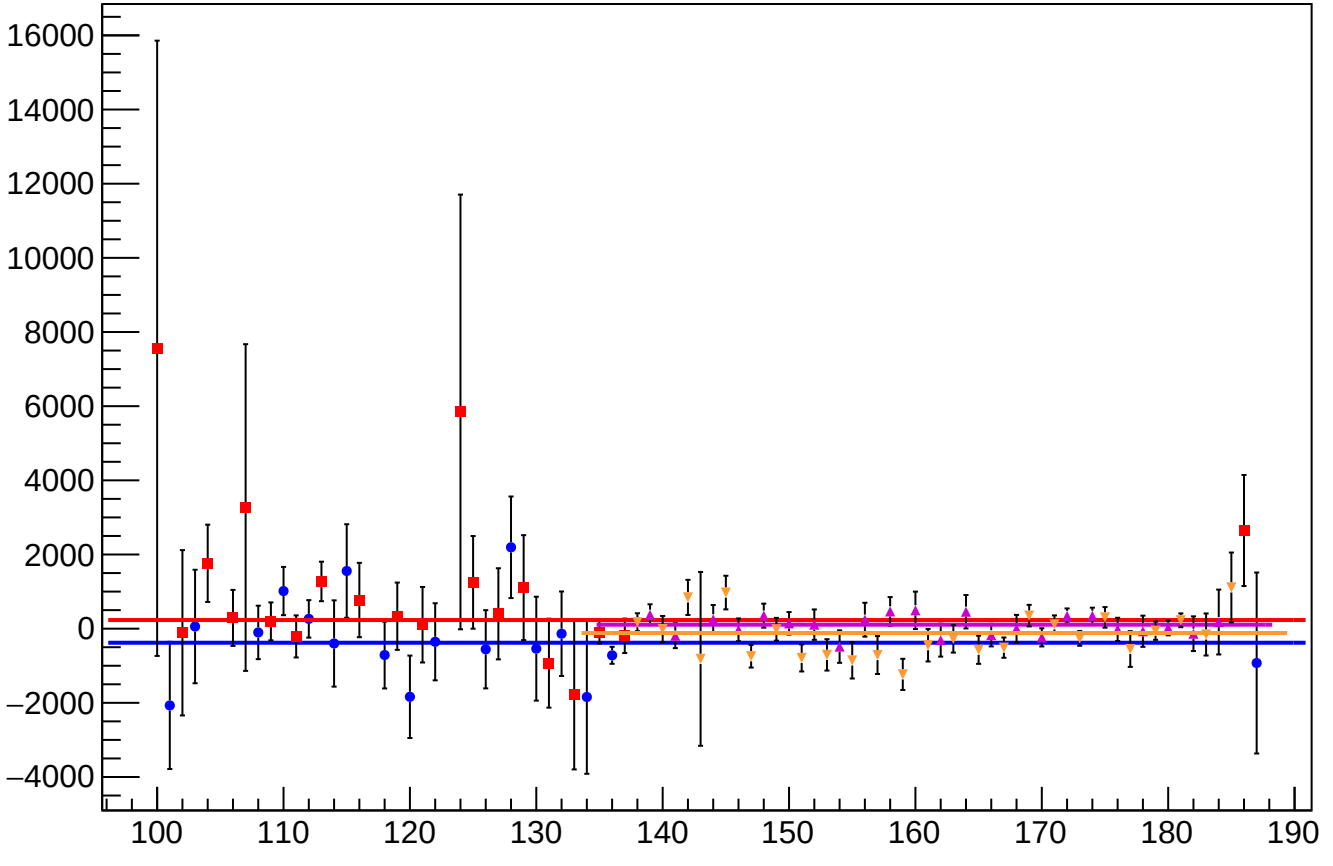
Right: 1293.847+/-0.239 χ^2/NDF: 848894.6/36

In: 1257.146+/-0.176 χ^2/NDF:568325.6/39

Out: 1267.611+/-0.173 χ^2/NDF:546330.3/44

All: 1262.469+/-0.123 χ^2/NDF: 1116450.9/84

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

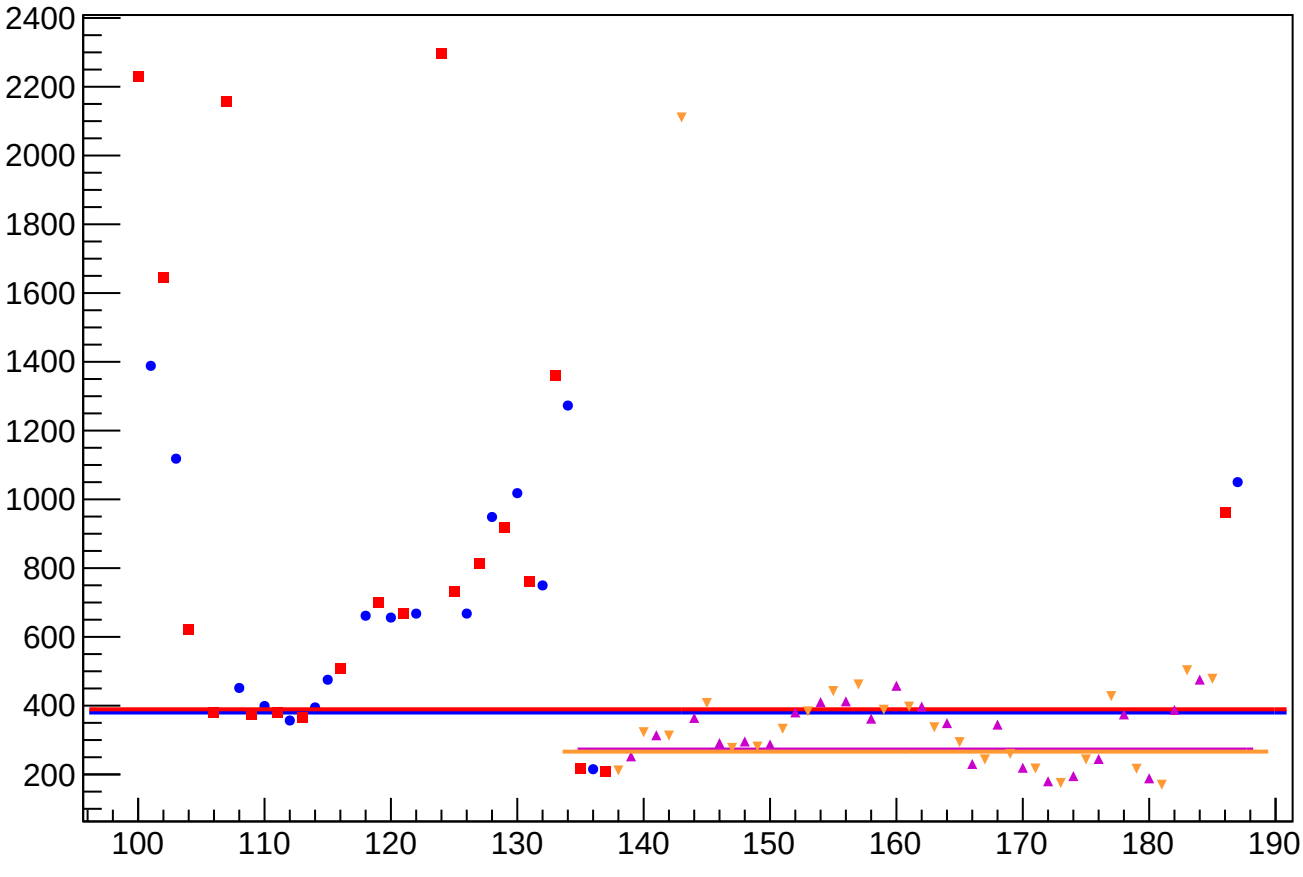
Right: -74.053+/-118.839 χ^2/NDF: 41.3/36

In: 40.530+/-62.227 χ^2/NDF:39.0/39

Out: -71.499+/-60.684 χ^2/NDF:68.9/44

All: -16.890+/-43.445 χ^2/NDF: 109.5/84

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

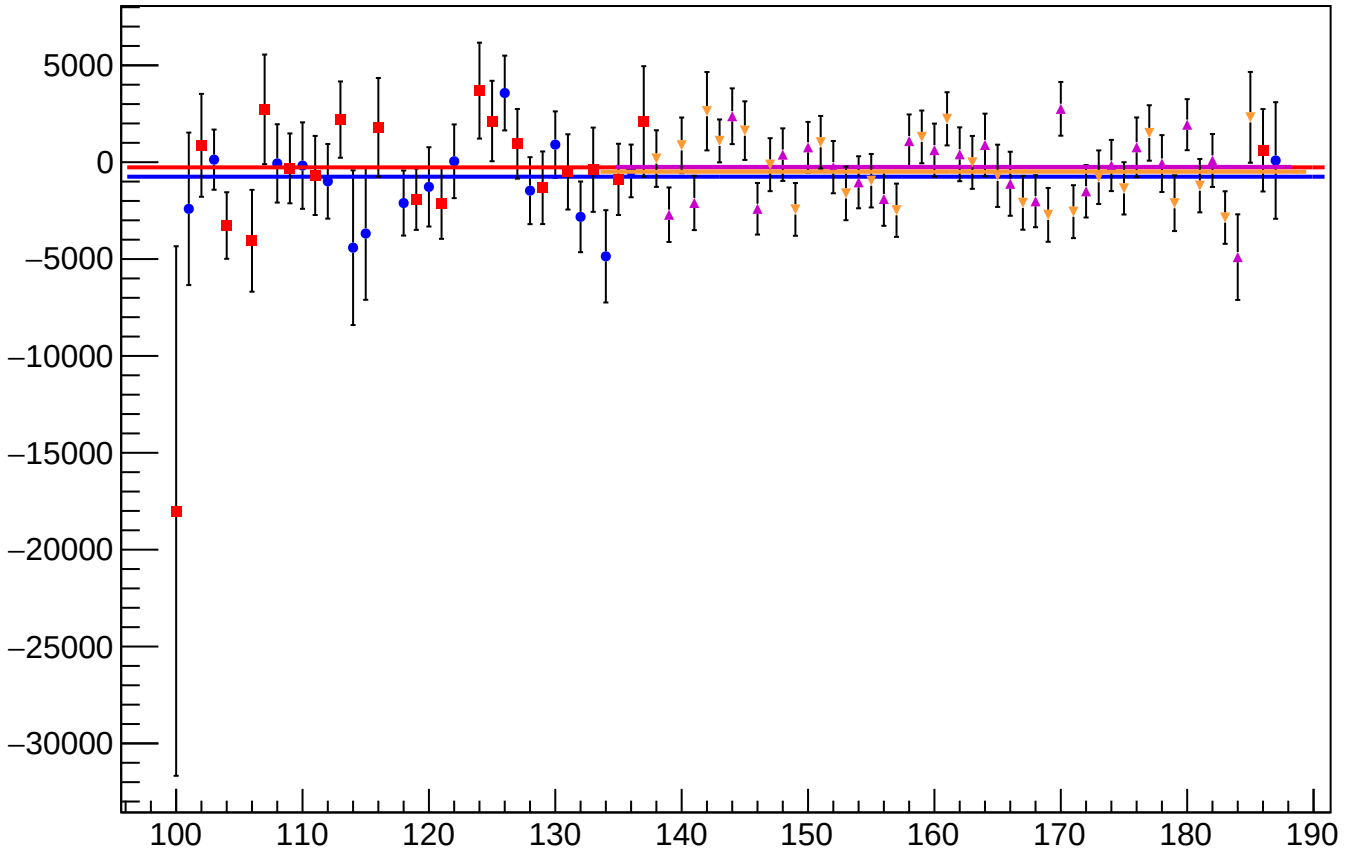
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 384.740+/-0.084 χ^2/NDF: 8702030.1/36

In: 287.183+/-0.044 χ^2/NDF:7942738.5/39

Out: 282.331+/-0.043 χ^2/NDF:9915269.0/44

All: 284.696+/-0.031 χ^2/NDF: 17864238.5/84



Right In: -749.322+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -266.025+/-470.674 χ^2/NDF: 18.1/19

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

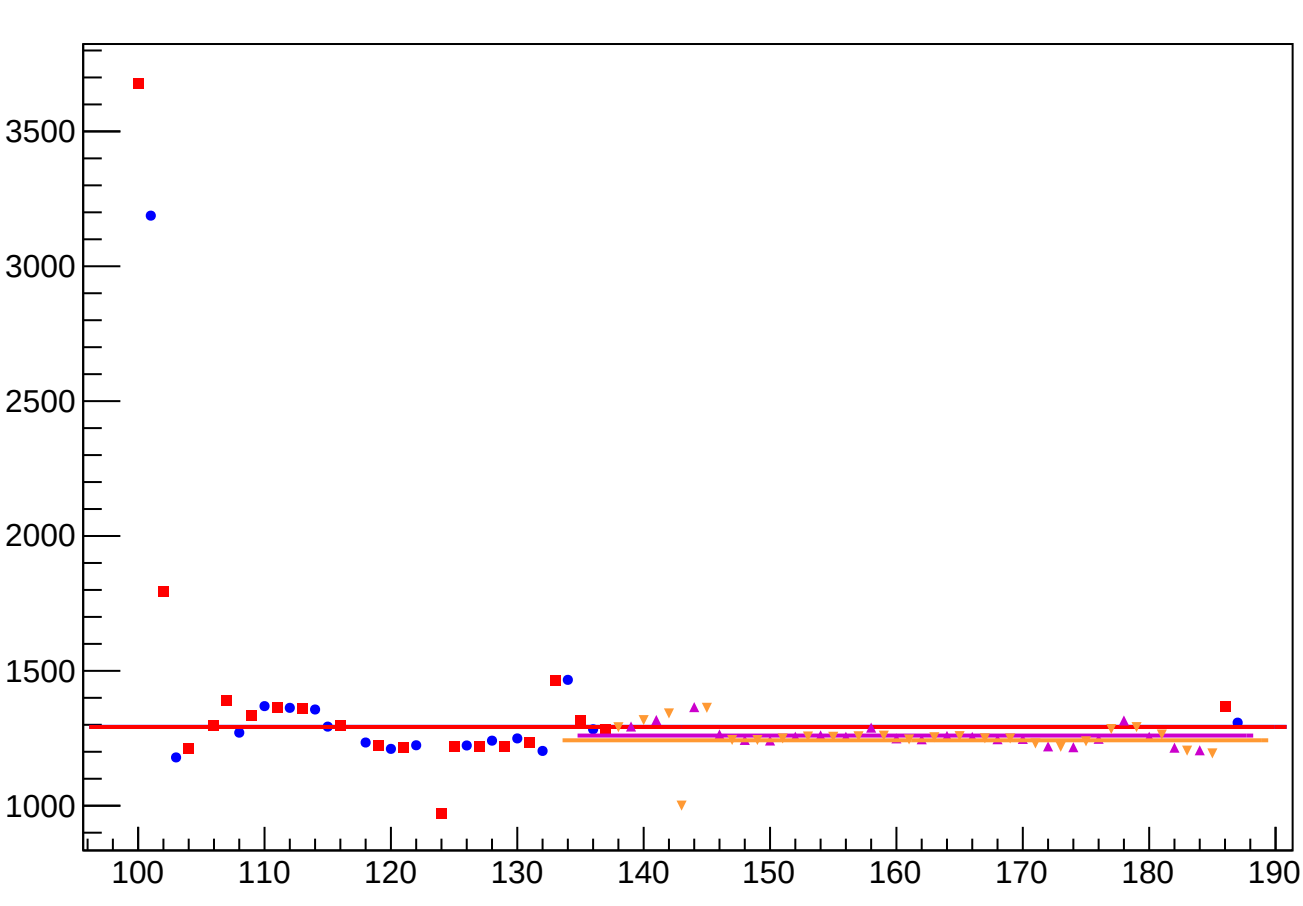
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -501.304+/-337.175 χ^2/NDF: 32.3/36

In: -379.282+/-251.381 χ^2/NDF:45.2/39

Out: -433.136+/-242.368 χ^2/NDF:52.5/44

All: -407.192+/-174.479 χ^2/NDF: 97.7/84



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.3/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

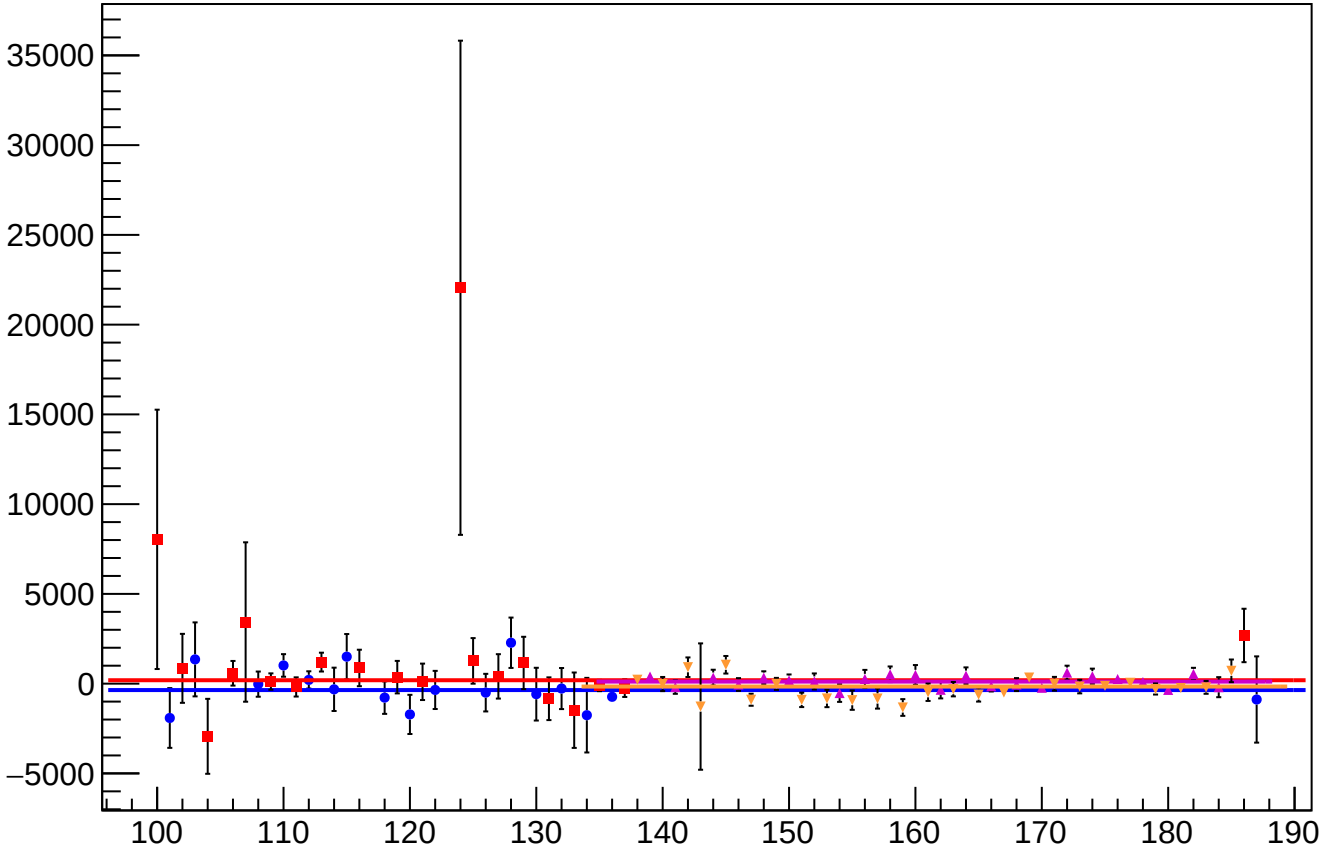
Right: 1292.174+/-0.238 χ^2/NDF: 721371.7/36

In: 1268.849+/-0.178 χ^2/NDF:543932.8/39

Out: 1255.631+/-0.171 χ^2/NDF:358105.1/44

All: 1261.999+/-0.123 χ^2/NDF: 904903.5/84

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -357.857+/-169.547 χ^2/NDF: 18.5/16

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 190.330+/-168.573 χ^2/NDF: 18.7/19

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

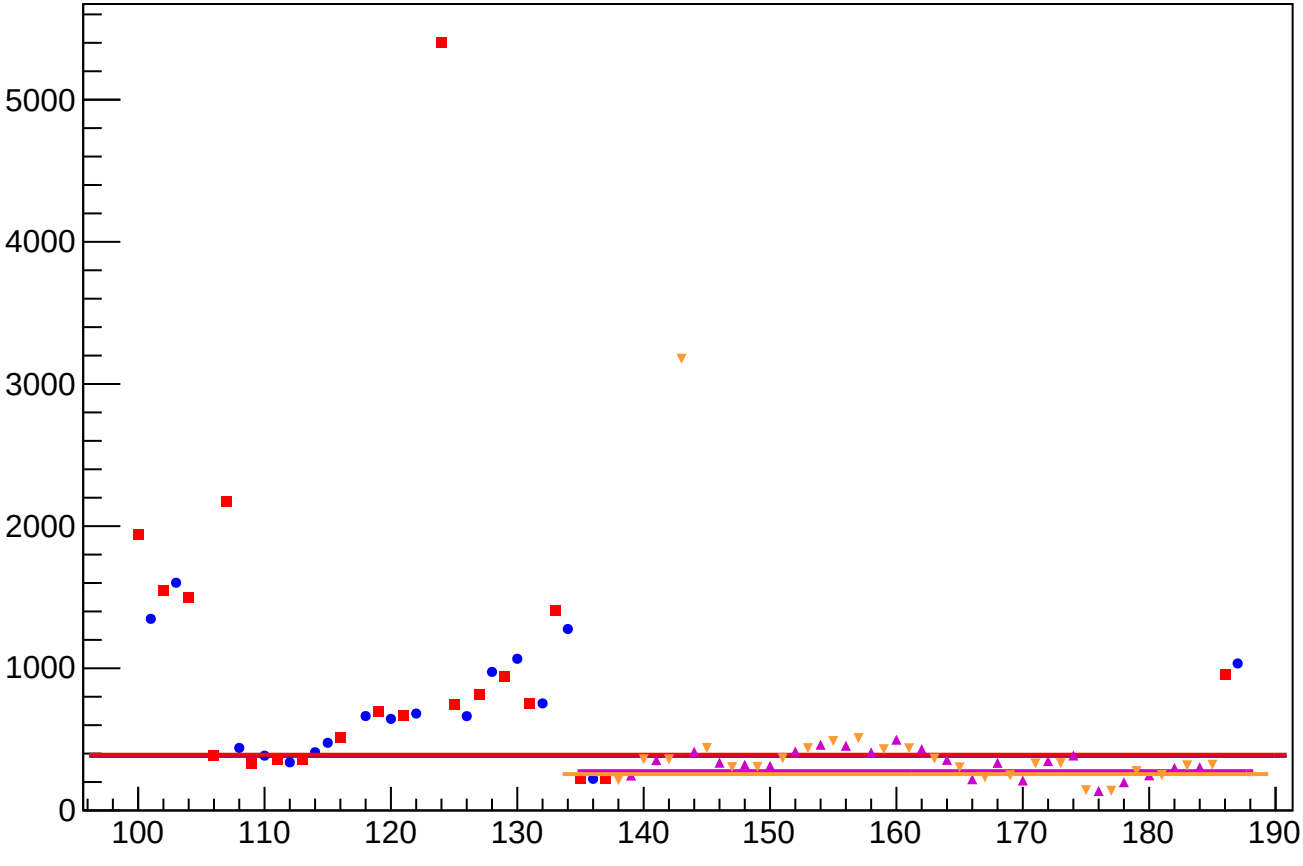
Right: -82.184+/-119.542 χ^2/NDF: 42.4/36

In: 46.981+/-63.783 χ^2/NDF:43.3/39

Out: -116.517+/-59.941 χ^2/NDF:66.2/44

All: -39.840+/-43.680 χ^2/NDF: 113.0/84

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 384.601+/-0.120 χ^2/NDF: 4464871.9/16

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 391.959+/-0.119 χ^2/NDF: 4849456.6/19

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

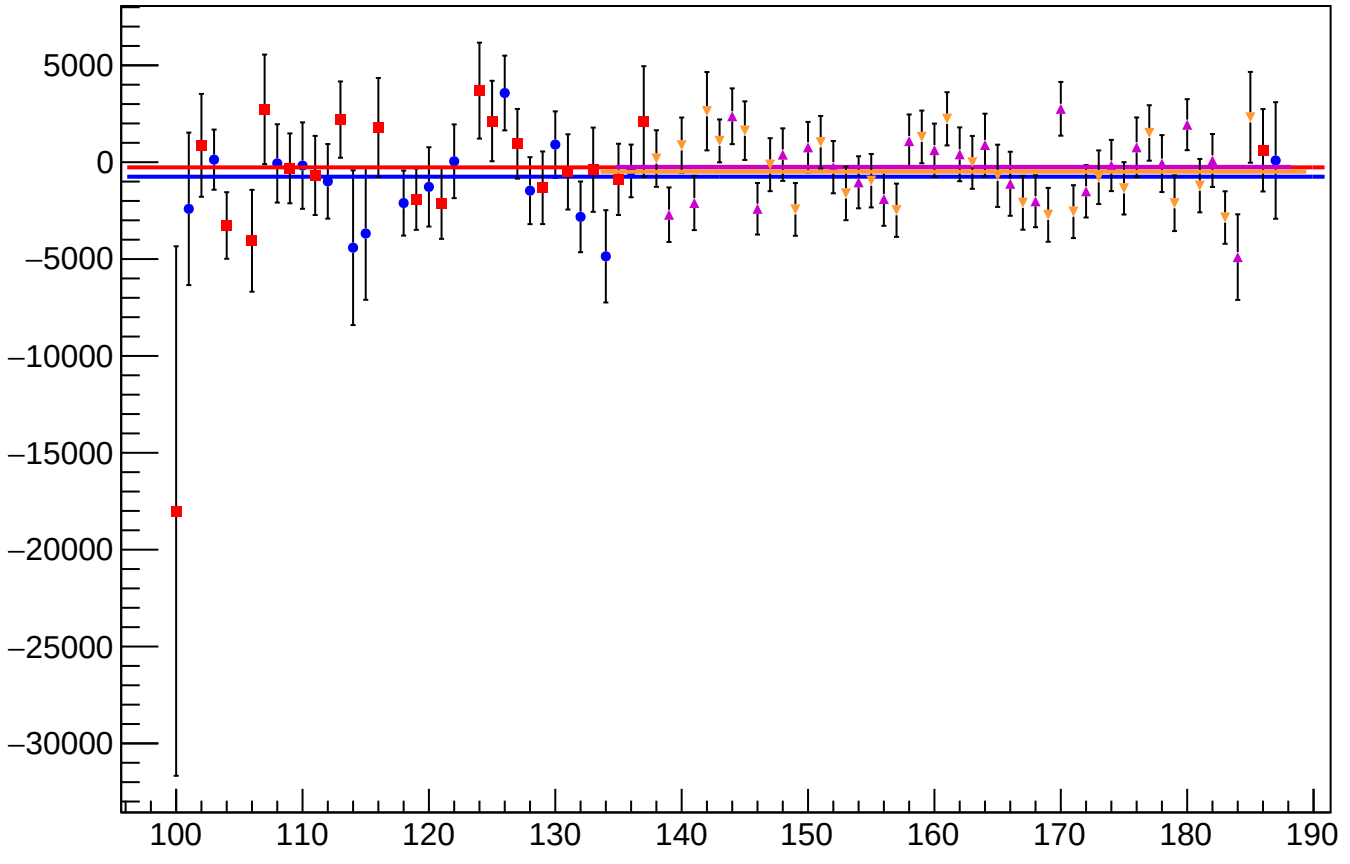
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 388.301+/-0.085 χ^2/NDF: 9316222.8/36

In: 291.626+/-0.045 χ^2/NDF:9192856.7/39

Out: 272.988+/-0.042 χ^2/NDF:12363751.2/44

All: 281.729+/-0.031 χ^2/NDF: 21647292.5/84



Right In: -749.324+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -266.027+/-470.674 χ^2/NDF: 18.1/19

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

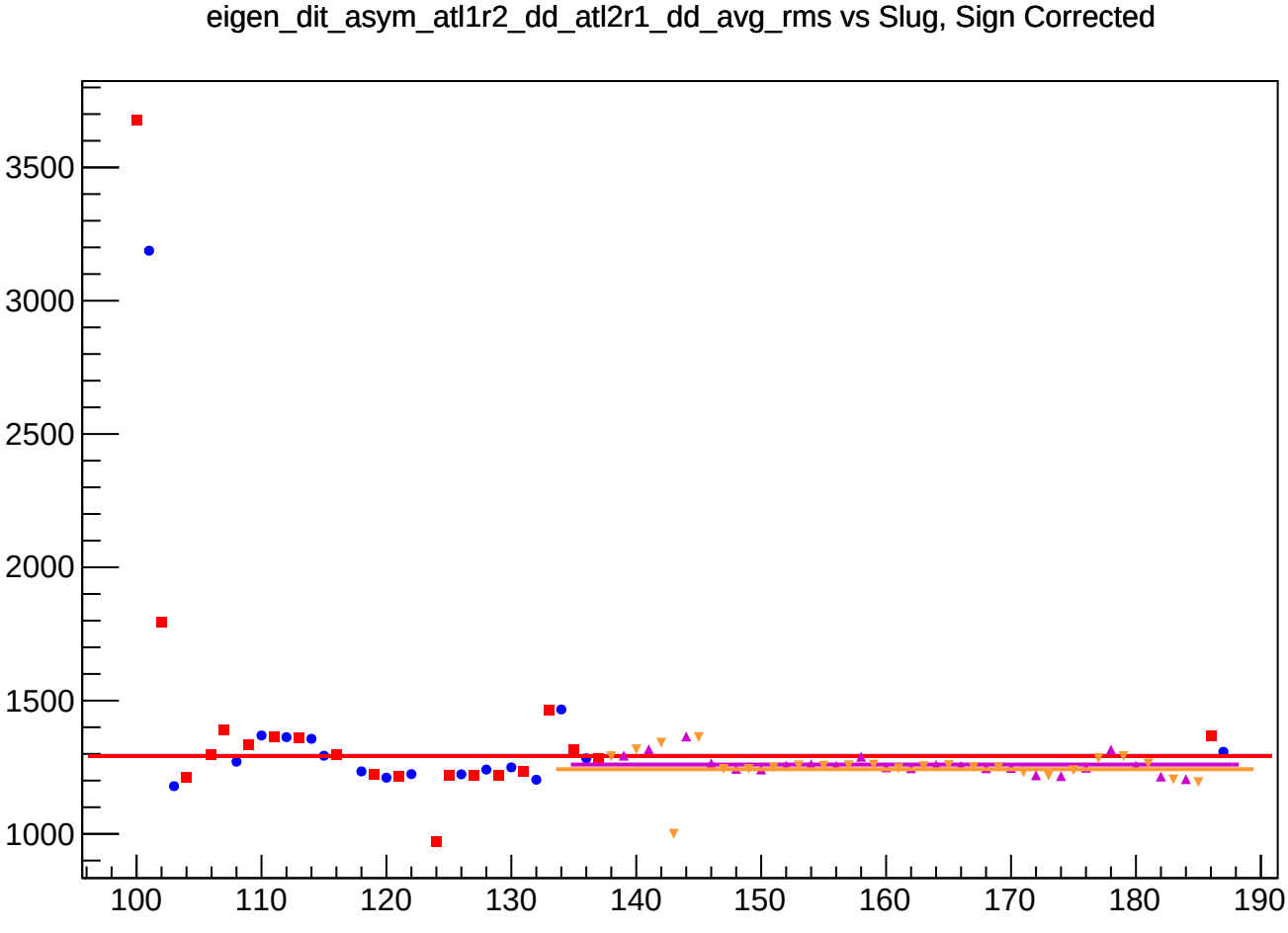
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -501.306+/-337.175 χ^2/NDF: 32.3/36

In: -379.283+/-251.381 χ^2/NDF:45.2/39

Out: -433.136+/-242.368 χ^2/NDF:52.5/44

All: -407.192+/-174.479 χ^2/NDF: 97.7/84



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.6/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

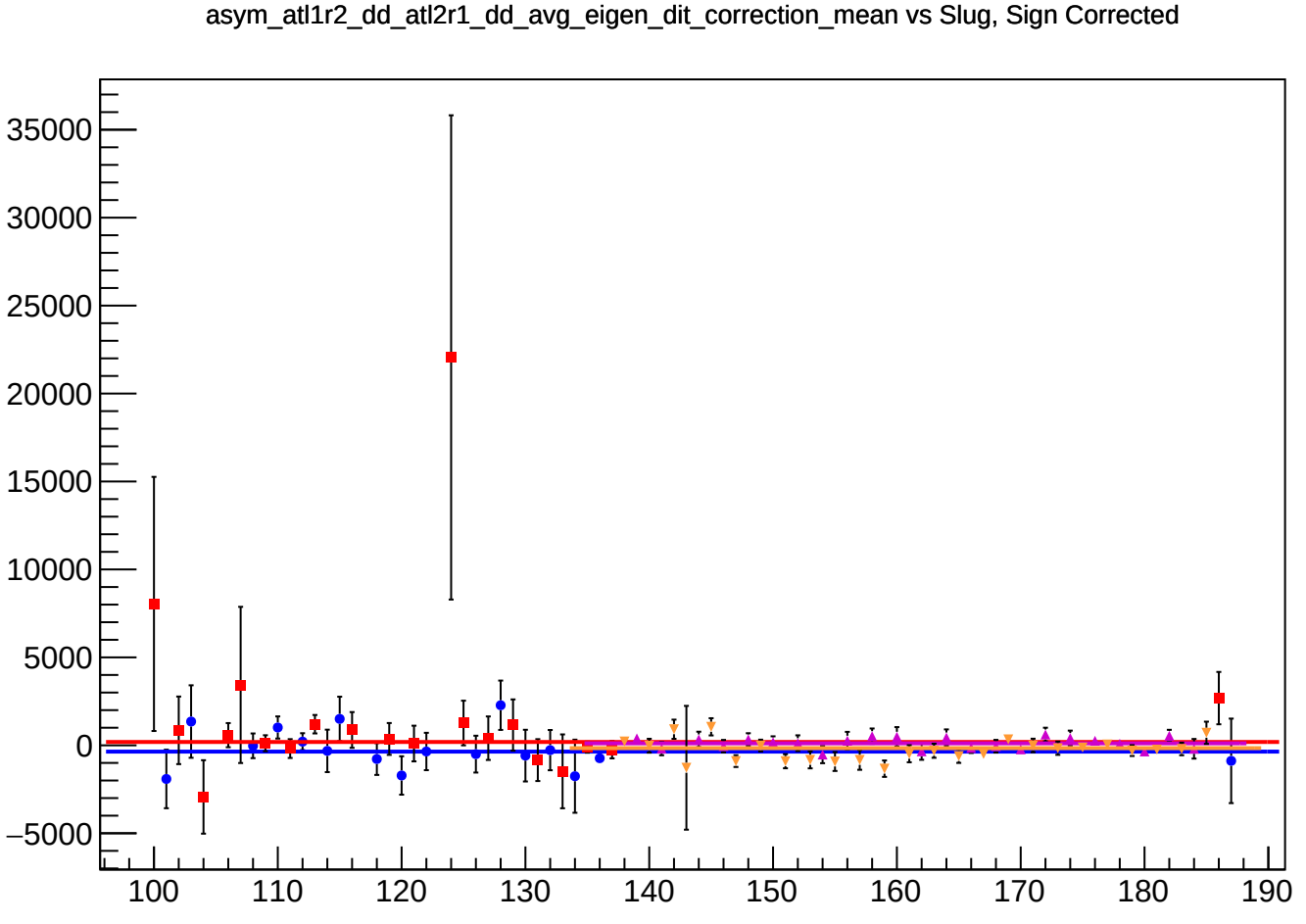
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1292.174+/-0.238 χ^2/NDF: 721371.9/36

In: 1268.849+/-0.178 χ^2/NDF:543932.8/39

Out: 1255.631+/-0.171 χ^2/NDF:358104.5/44

All: 1261.999+/-0.123 χ^2/NDF: 904902.9/84



Right In: -357.857+/-169.550 χ^2/NDF: 18.5/16

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 190.337+/-168.575 χ^2/NDF: 18.7/19

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

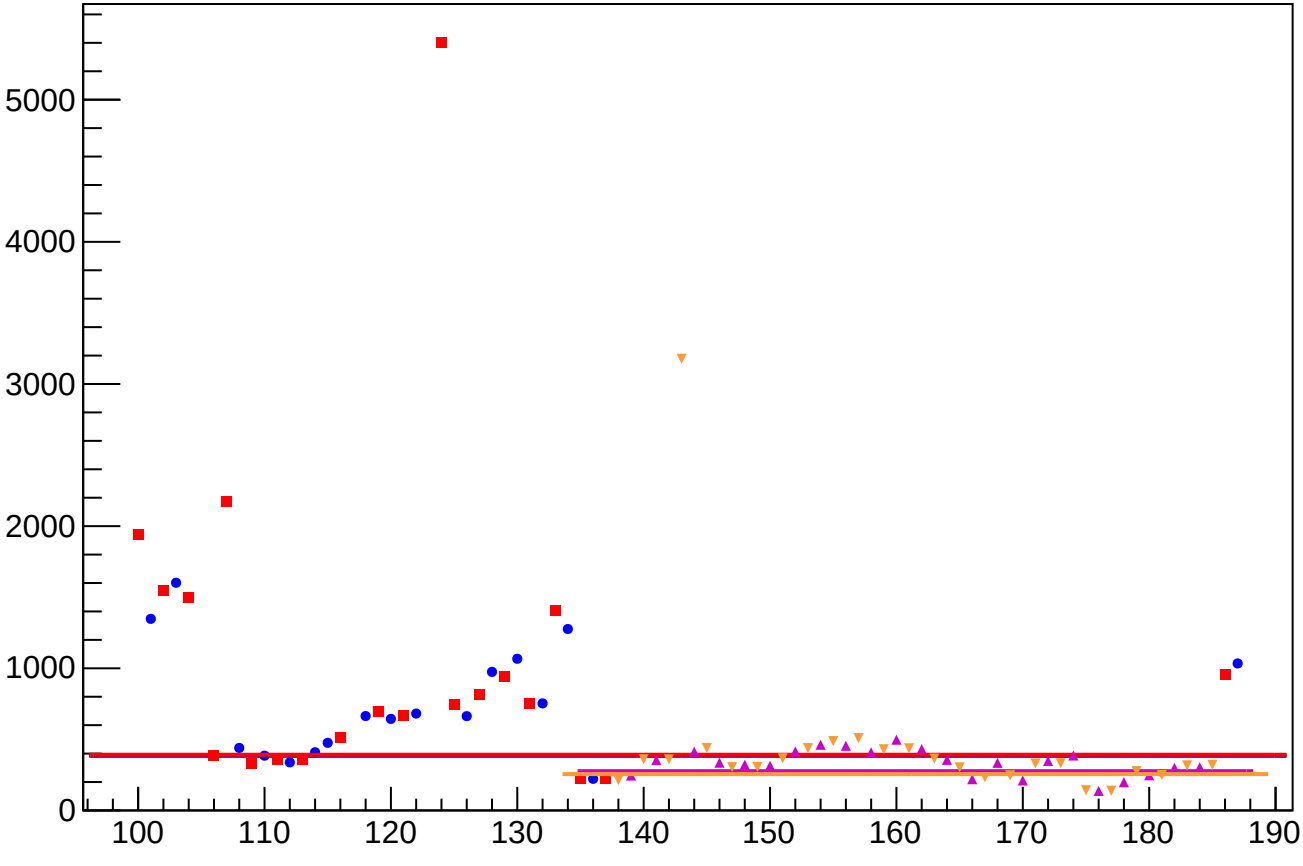
Right: -82.180+/-119.544 χ^2/NDF: 42.4/36

In: 46.981+/-63.784 χ^2/NDF:43.3/39

Out: -116.520+/-59.942 χ^2/NDF:66.2/44

All: -39.842+/-43.680 χ^2/NDF: 113.0/84

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 384.611+/-0.120 χ^2/NDF: 4464683.2/16

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 391.967+/-0.119 χ^2/NDF: 4849305.3/19

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

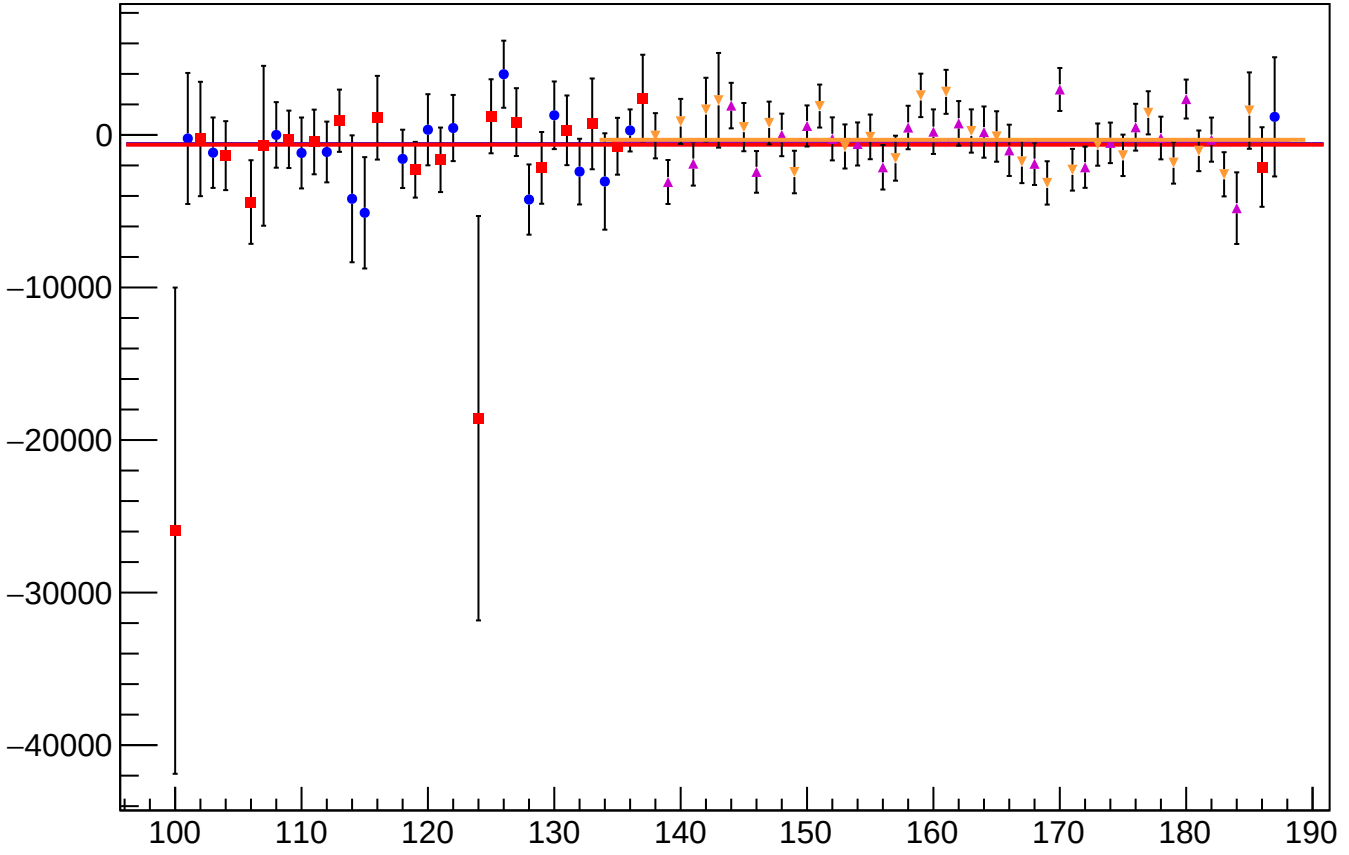
Right: 388.310+/-0.085 χ^2/NDF: 9315881.6/36

In: 291.627+/-0.045 χ^2/NDF:9192732.2/39

Out: 272.990+/-0.042 χ^2/NDF:12363584.5/44

All: 281.730+/-0.031 χ^2/NDF: 21646996.4/84

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -603.500+/-558.568 χ^2/NDF: 12.7/16

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -636.546+/-553.846 χ^2/NDF: 11.7/19

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

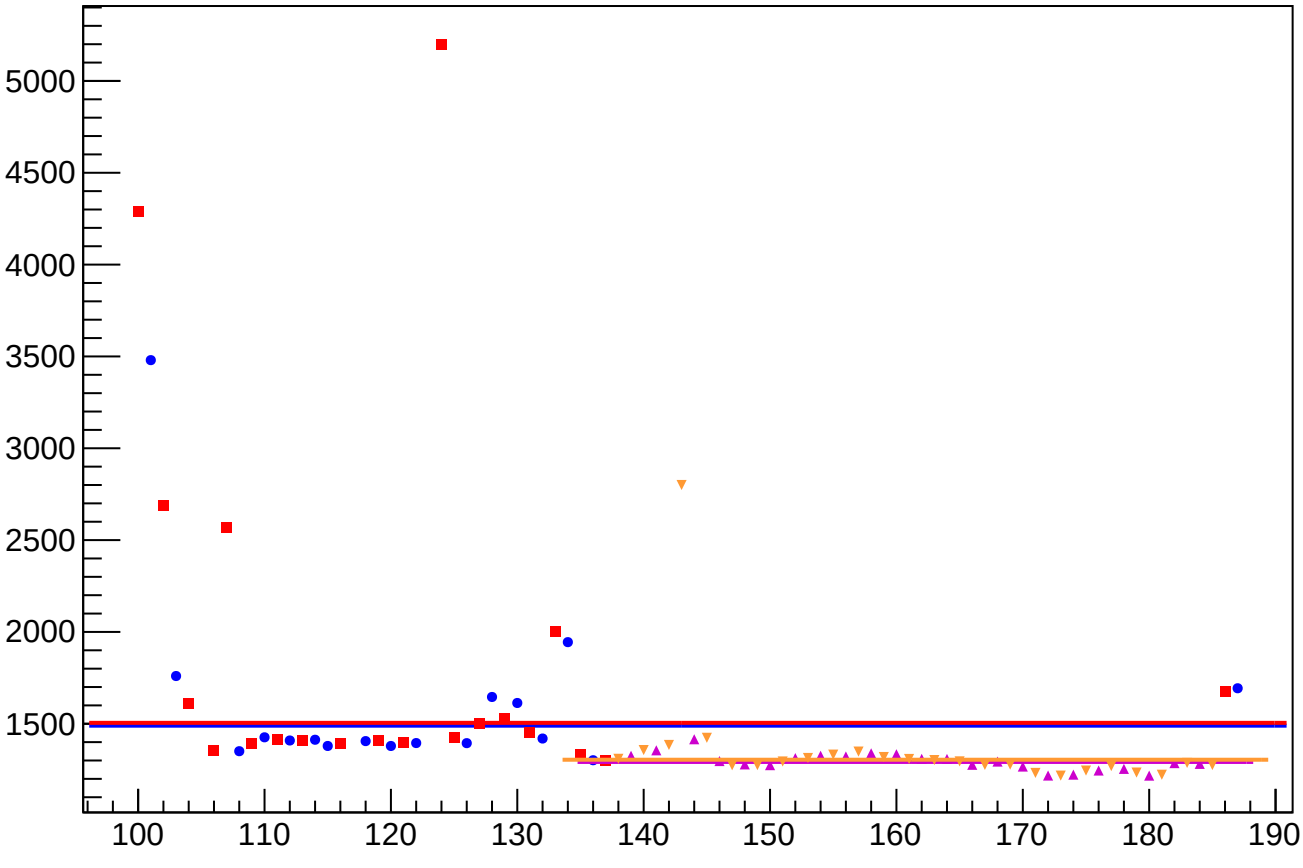
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -620.163+/-393.287 χ^2/NDF: 24.3/36

In: -412.256+/-265.591 χ^2/NDF:42.5/39

Out: -390.968+/-262.610 χ^2/NDF:43.5/44

All: -401.492+/-186.738 χ^2/NDF: 86.0/84



Right In: 1489.621+/-0.395 χ^2/NDF: 590020.8/16

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1504.994+/-0.392 χ^2/NDF: 632414.9/19

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

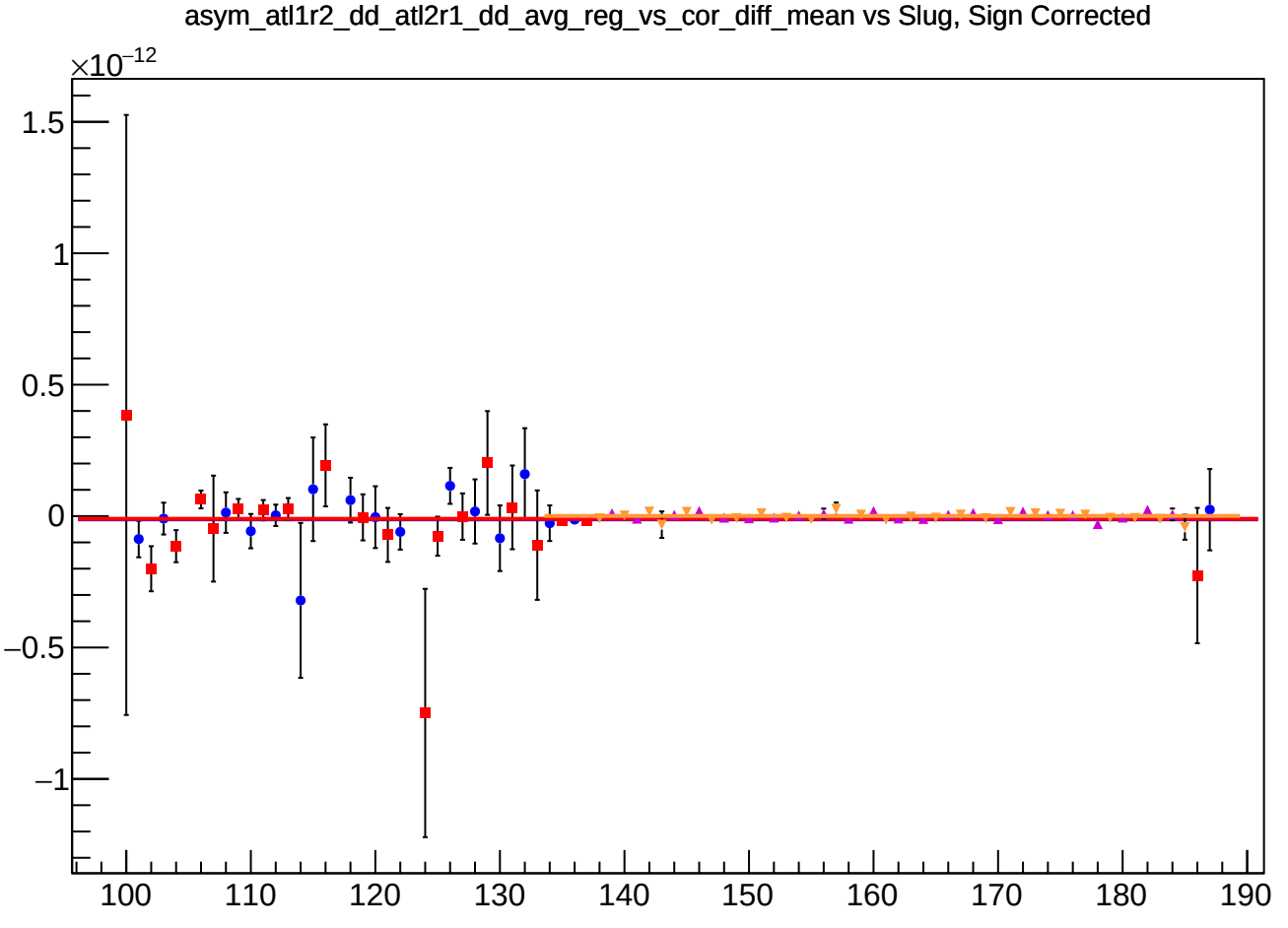
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1497.373+/-0.278 χ^2/NDF: 1223199.6/36

In: 1336.775+/-0.188 χ^2/NDF:831871.3/39

Out: 1349.310+/-0.186 χ^2/NDF:1355891.2/44

All: 1343.113+/-0.132 χ^2/NDF: 2190015.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/19

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

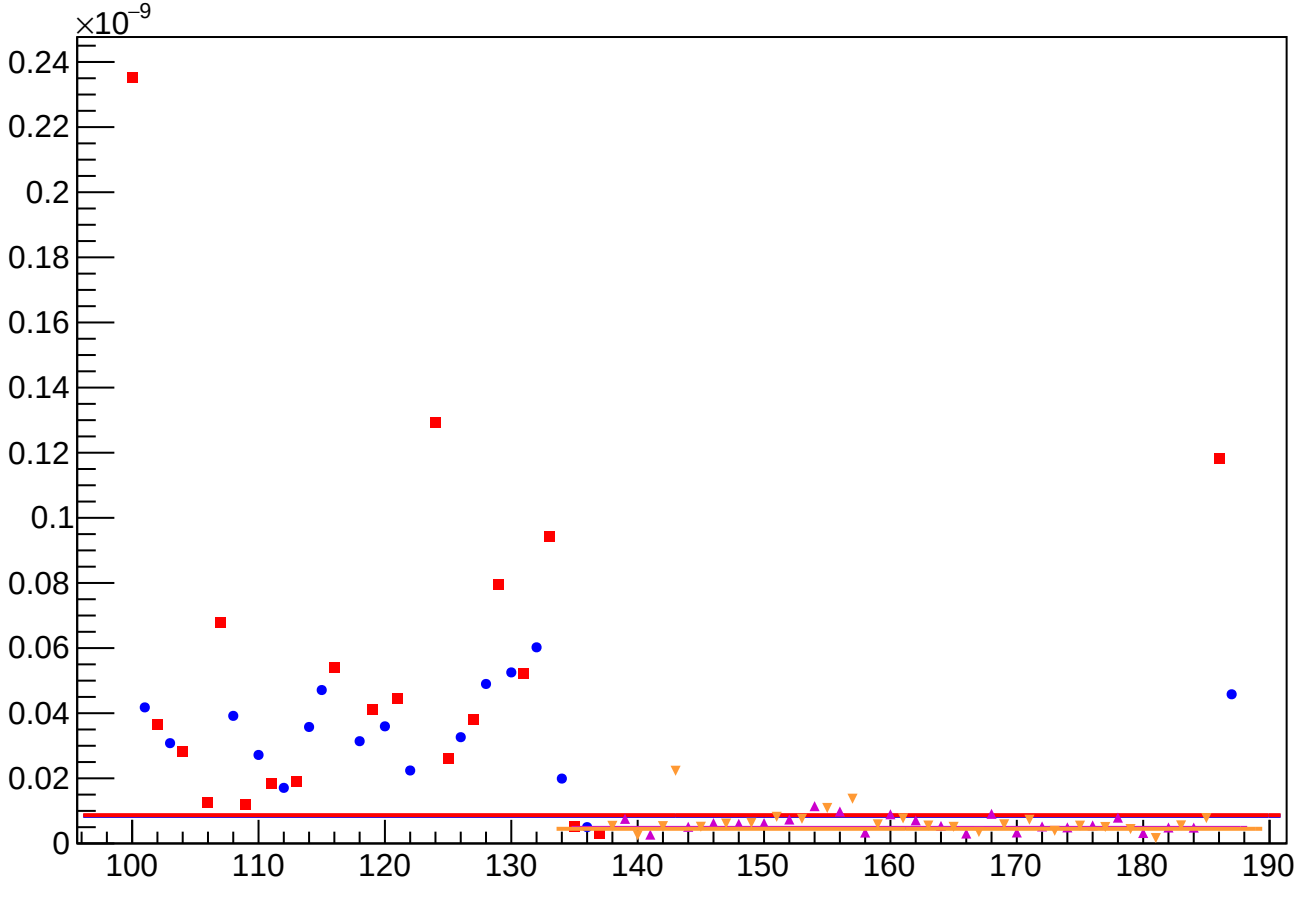
Right: -0.000+/-0.000 χ^2/NDF: 32.5/36

In: -0.000+/-0.000 χ^2/NDF:41.3/39

Out: 0.000+/-0.000 χ^2/NDF:49.1/44

All: -0.000+/-0.000 χ^2/NDF: 90.9/84

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3176393.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3711165.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

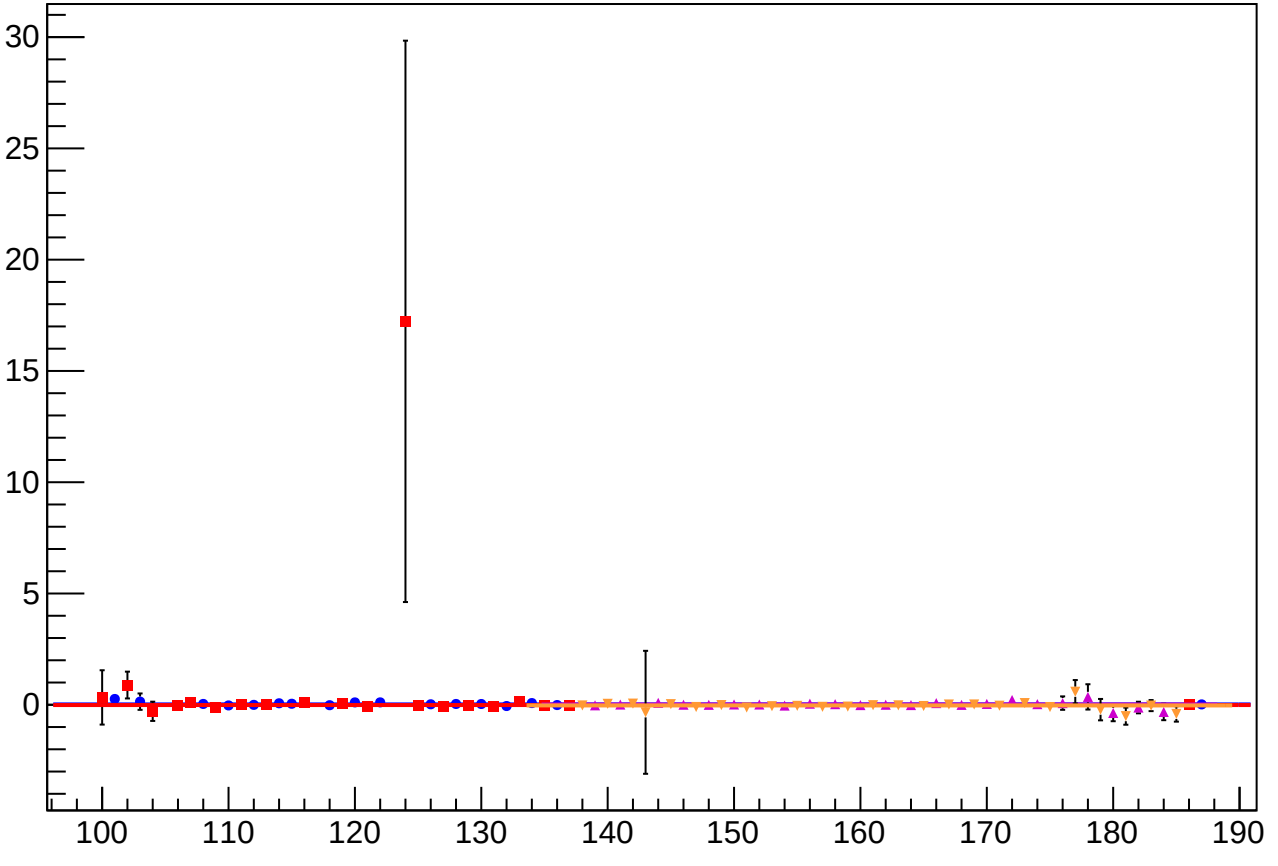
Right: 0.000+/-0.000 χ^2/NDF: 6888365.5/36

In: 0.000+/-0.000 χ^2/NDF:5520824.1/39

Out: 0.000+/-0.000 χ^2/NDF:6943286.3/44

All: 0.000+/-0.000 χ^2/NDF: 12491906.2/84

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

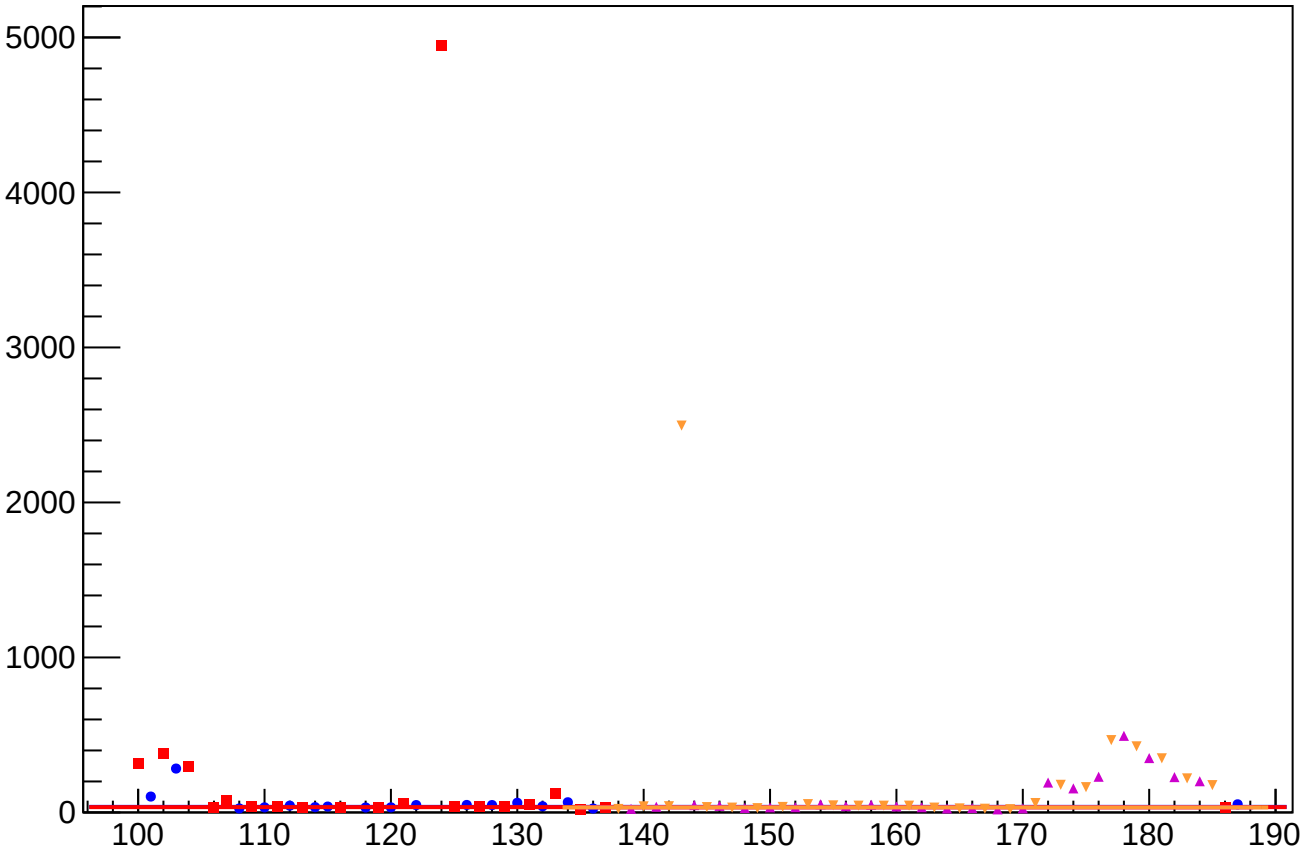
Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

Right: 0.002+/-0.011 χ^2/NDF: 29.5/36

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.005+/-0.006 χ^2/NDF: 79.8/84



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

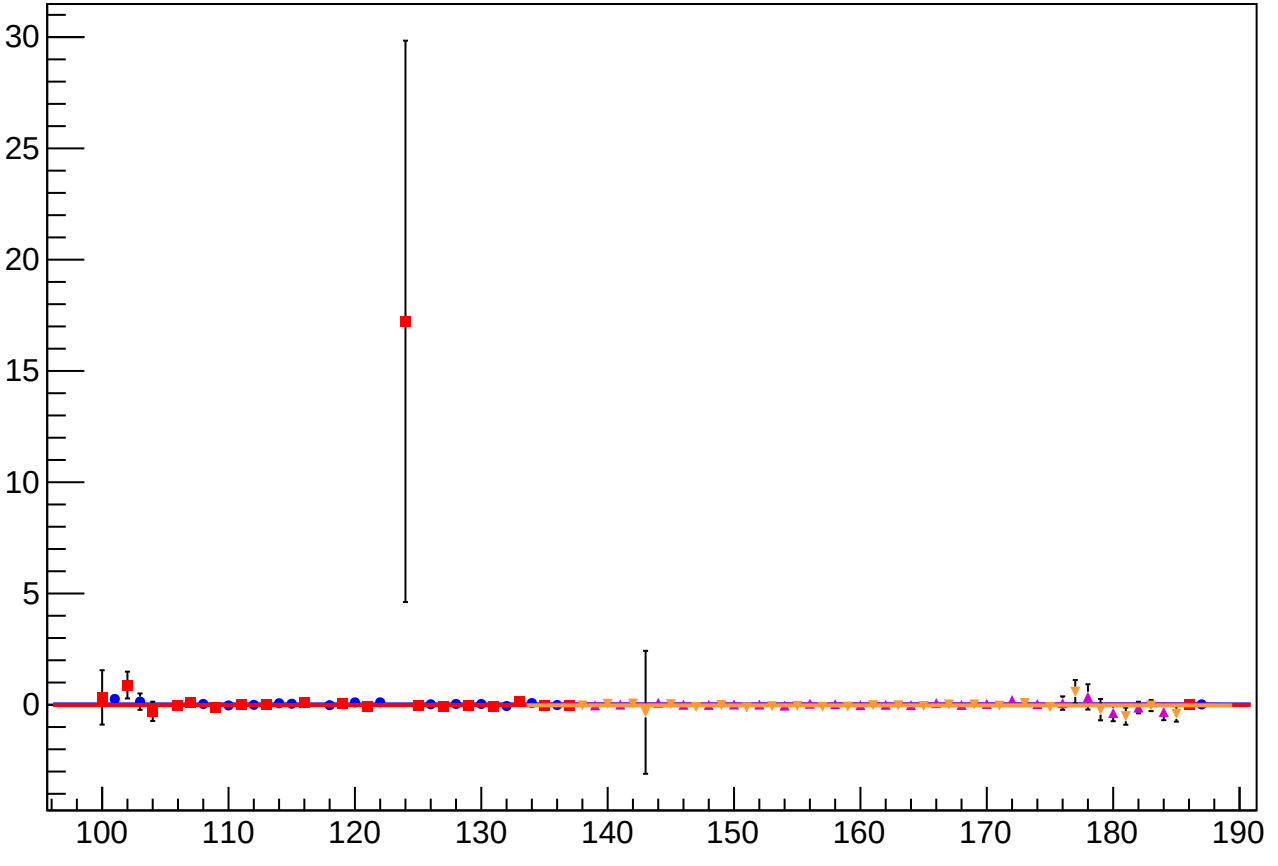
Right: 35.140+/-0.008 χ^2/NDF: 5249857.0/36

In: 33.642+/-0.006 χ^2/NDF:11328692.6/39

Out: 33.060+/-0.006 χ^2/NDF:13829140.2/44

All: 33.350+/-0.004 χ^2/NDF: 25163043.7/84

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: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

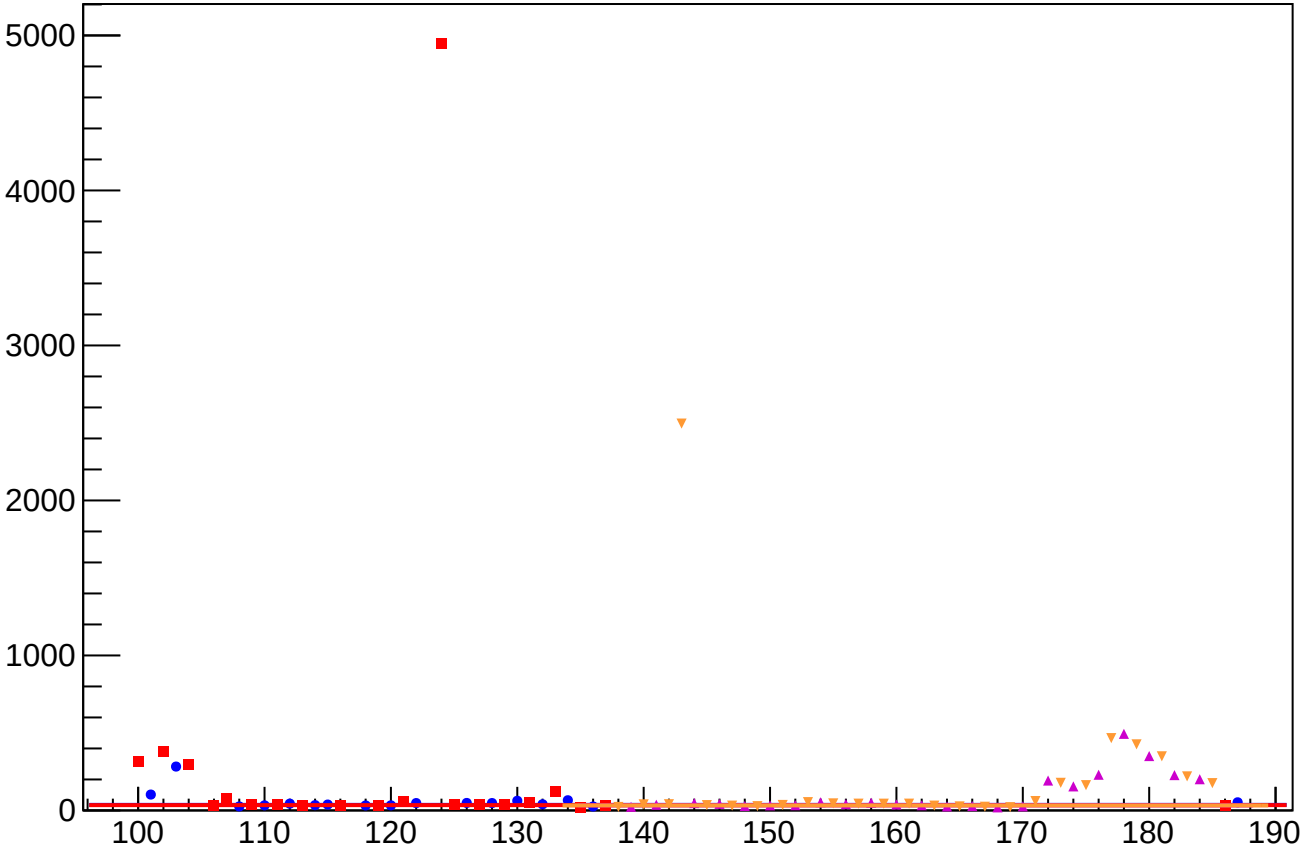
Right: 0.002+/-0.011 χ^2/NDF: 29.5/36

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.005+/-0.006 χ^2/NDF: 79.8/84

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

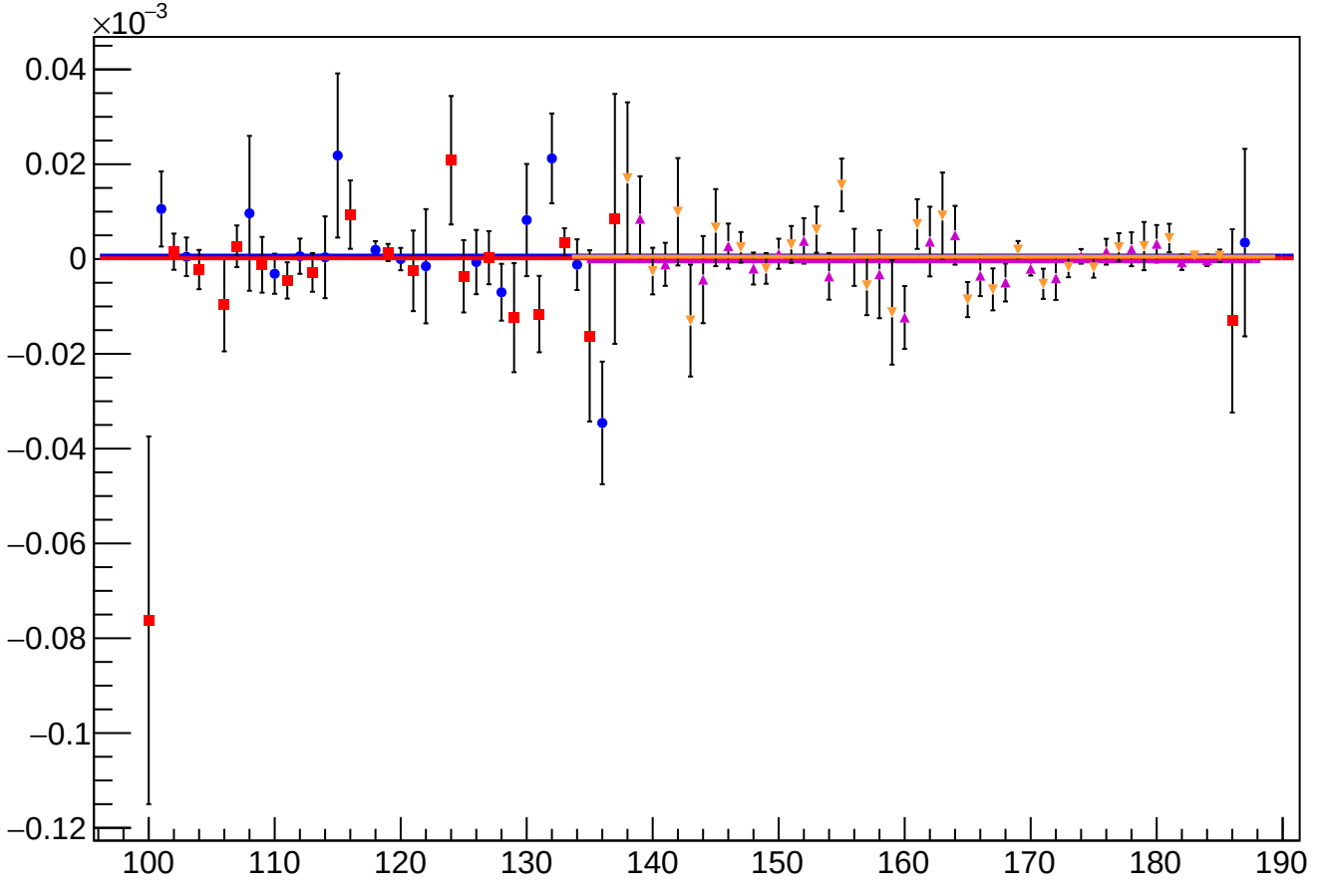
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.140+/-0.008 χ^2/NDF: 5249857.0/36

In: 33.642+/-0.006 χ^2/NDF:11328692.6/39

Out: 33.060+/-0.006 χ^2/NDF:13829140.2/44

All: 33.350+/-0.004 χ^2/NDF: 25163043.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/19

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

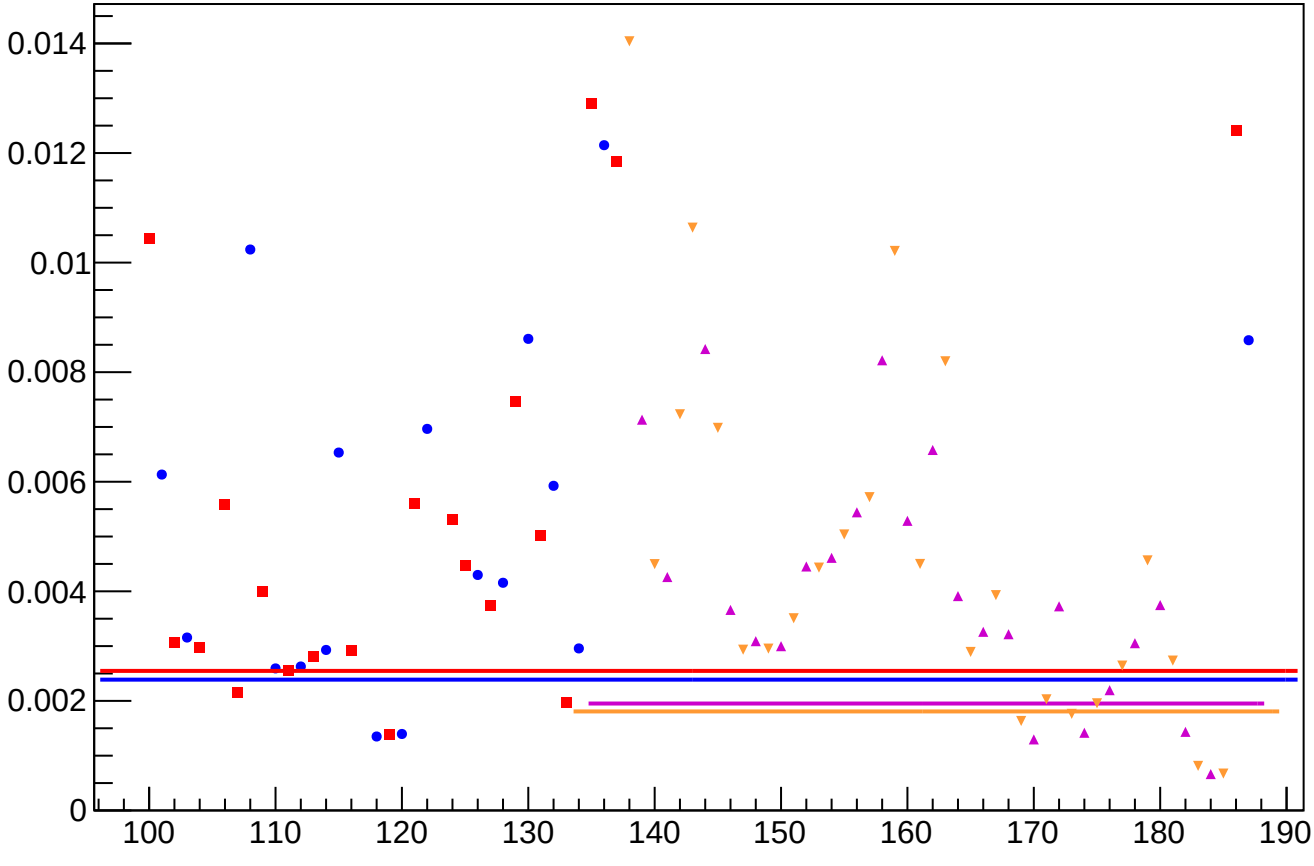
Right: 0.000+/-0.000 χ^2/NDF: 37.8/36

In: -0.000+/-0.000 χ^2/NDF:33.7/39

Out: 0.000+/-0.000 χ^2/NDF:54.4/44

All: 0.000+/-0.000 χ^2/NDF: 88.8/84

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4918460.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3919937.4/19

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

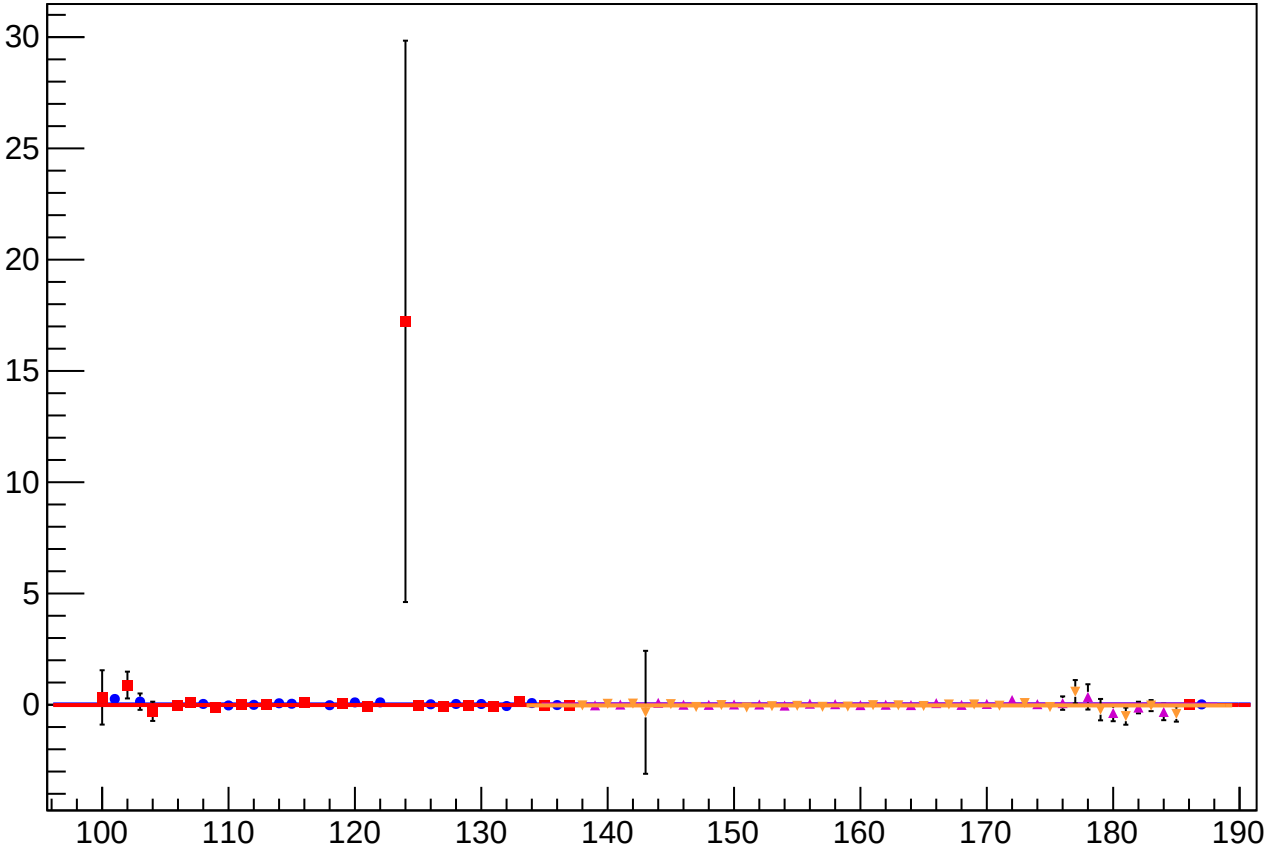
Right: 0.002+/-0.000 χ^2/NDF: 8860100.9/36

In: 0.002+/-0.000 χ^2/NDF:16639696.7/39

Out: 0.002+/-0.000 χ^2/NDF:19627746.8/44

All: 0.002+/-0.000 χ^2/NDF: 36296468.3/84

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: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

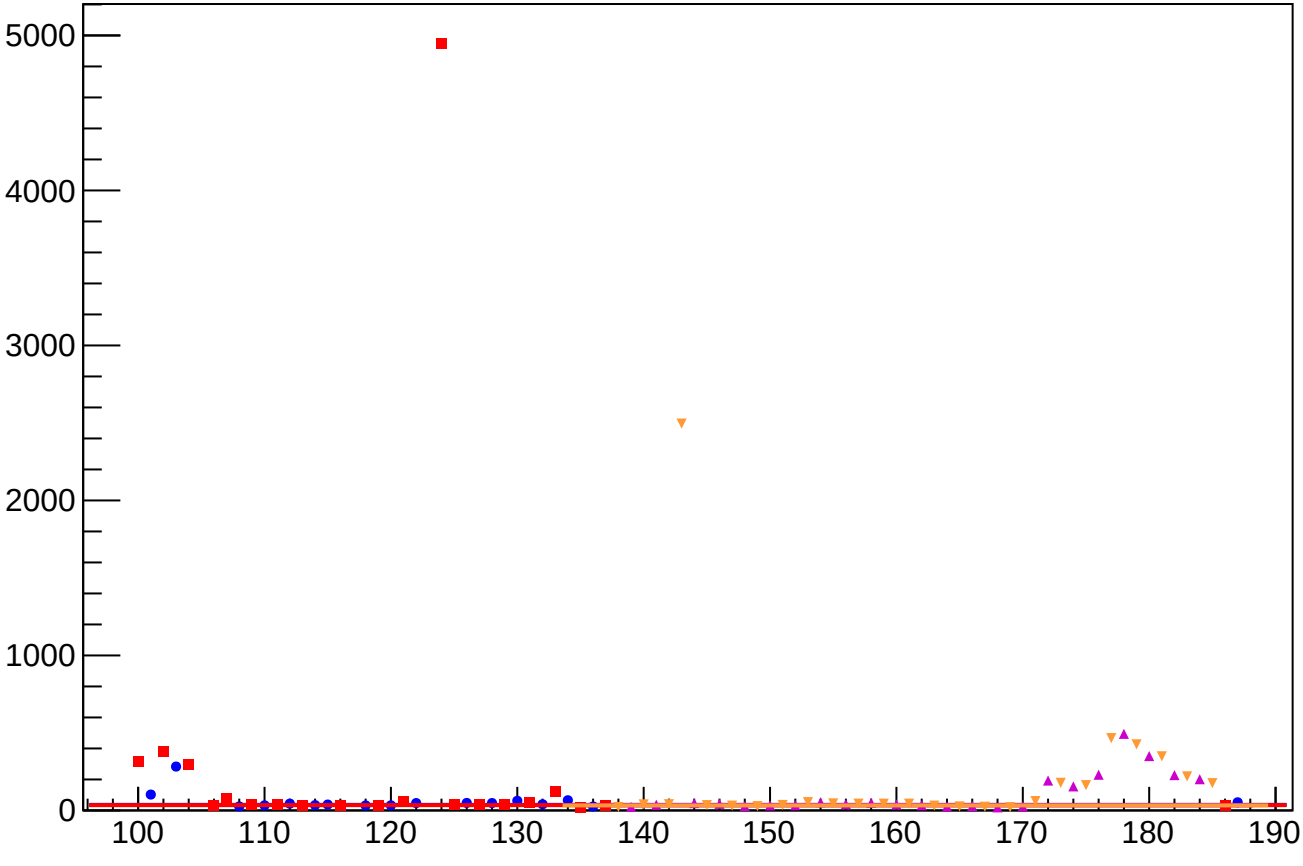
Right: 0.002+/-0.011 χ^2/NDF: 29.5/36

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/84

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

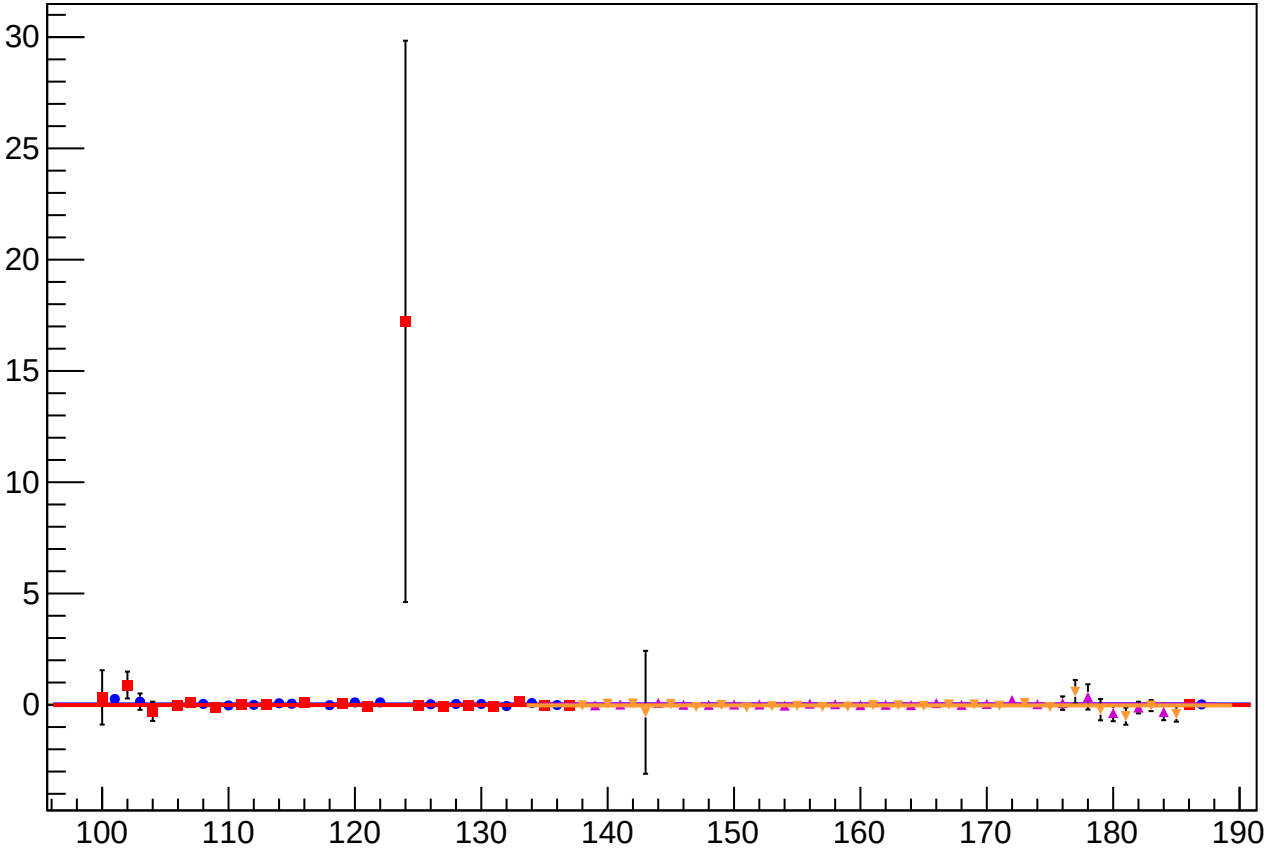
Right: 35.142+/-0.008 χ^2/NDF: 5249414.9/36

In: 33.641+/-0.006 χ^2/NDF:11329143.8/39

Out: 33.060+/-0.006 χ^2/NDF:13829259.9/44

All: 33.349+/-0.004 χ^2/NDF: 25163602.9/84

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: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

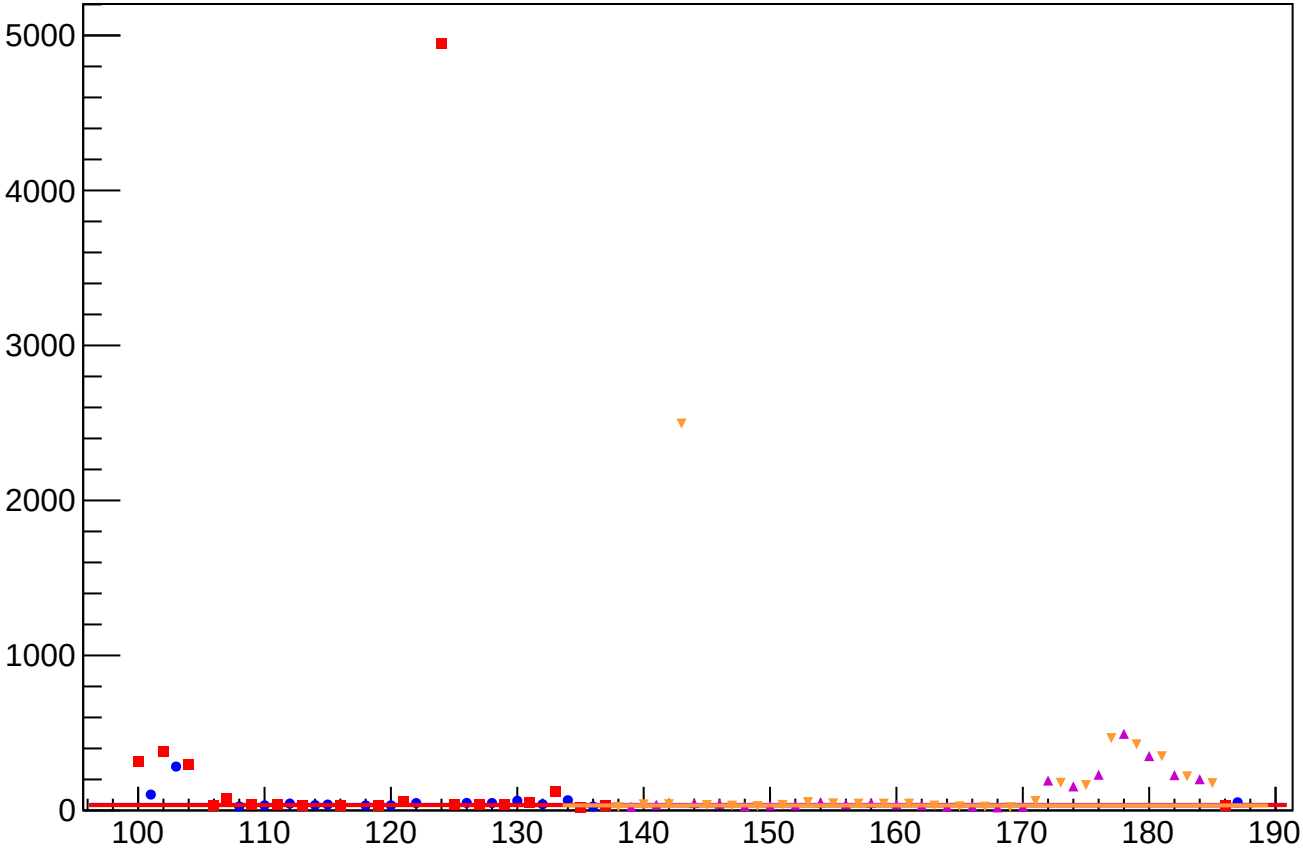
Right: 0.002+/-0.011 χ^2/NDF: 29.5/36

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/84

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

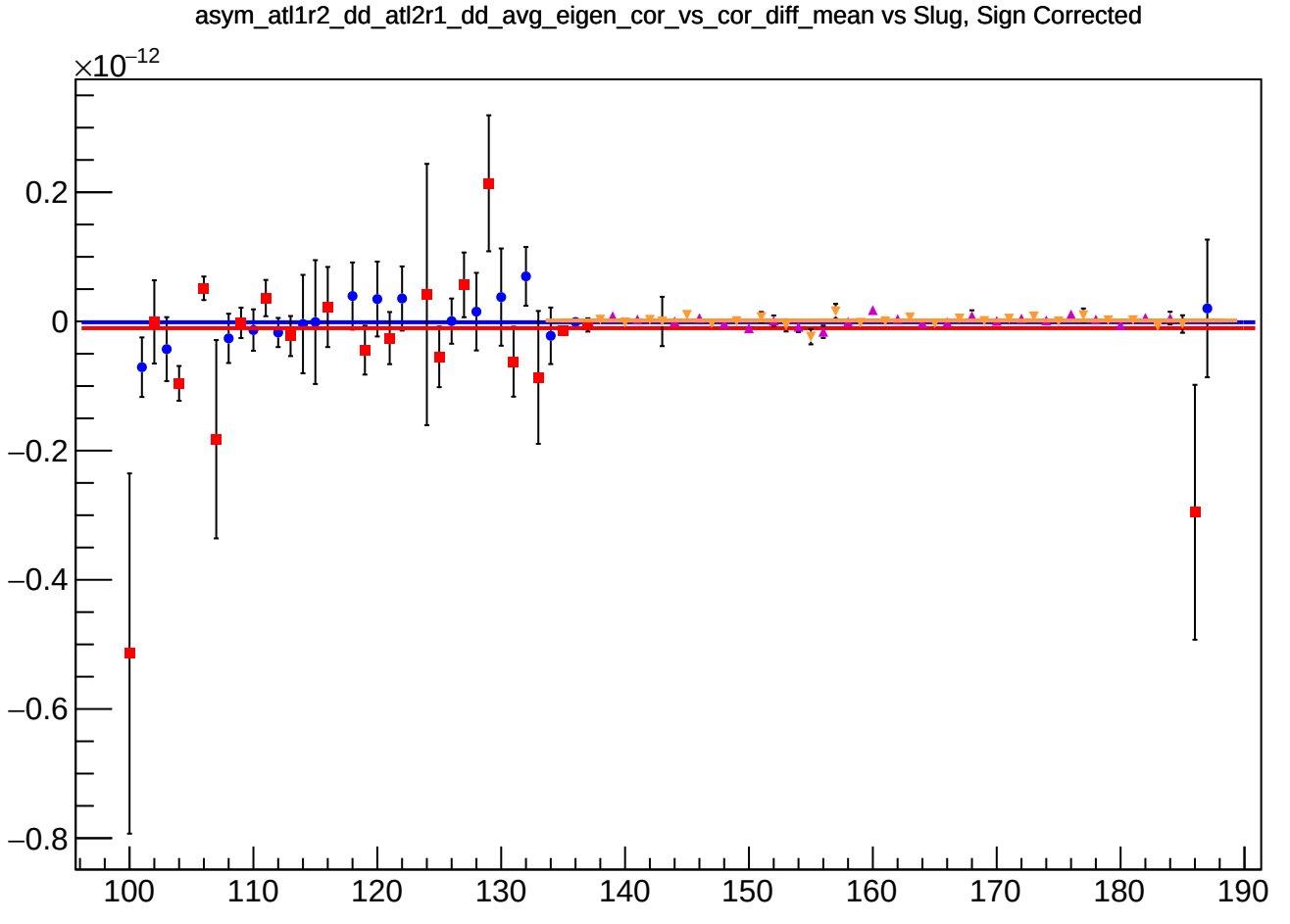
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 35.142+/-0.008 χ^2/NDF: 5249414.9/36

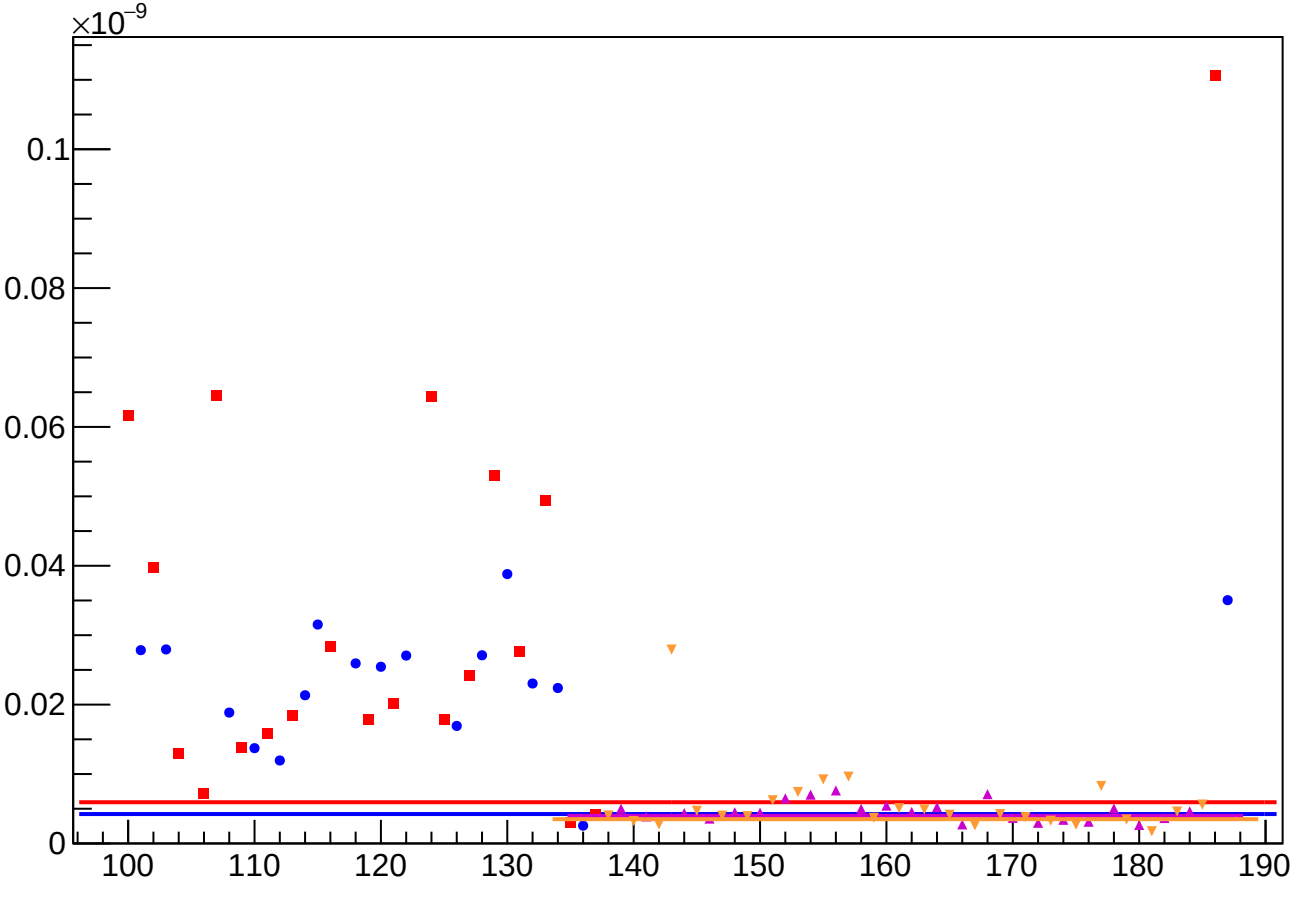
In: 33.641+/-0.006 χ^2/NDF:11329143.8/39

Out: 33.060+/-0.006 χ^2/NDF:13829259.9/44

All: 33.349+/-0.004 χ^2/NDF: 25163602.9/84


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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.7/16
Left Out: 0.000+/-0.000 χ²/NDF:18.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.0/19
Left In: 0.000+/-0.000 χ²/NDF:28.7/22
Left: 0.000+/-0.000 χ²/NDF: 46.8/47
Right: -0.000+/-0.000 χ²/NDF: 53.5/36
In: 0.000+/-0.000 χ²/NDF:37.8/39
Out: 0.000+/-0.000 χ²/NDF:67.7/44
All: 0.000+/-0.000 χ²/NDF: 105.5/84

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5247535.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5423776.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

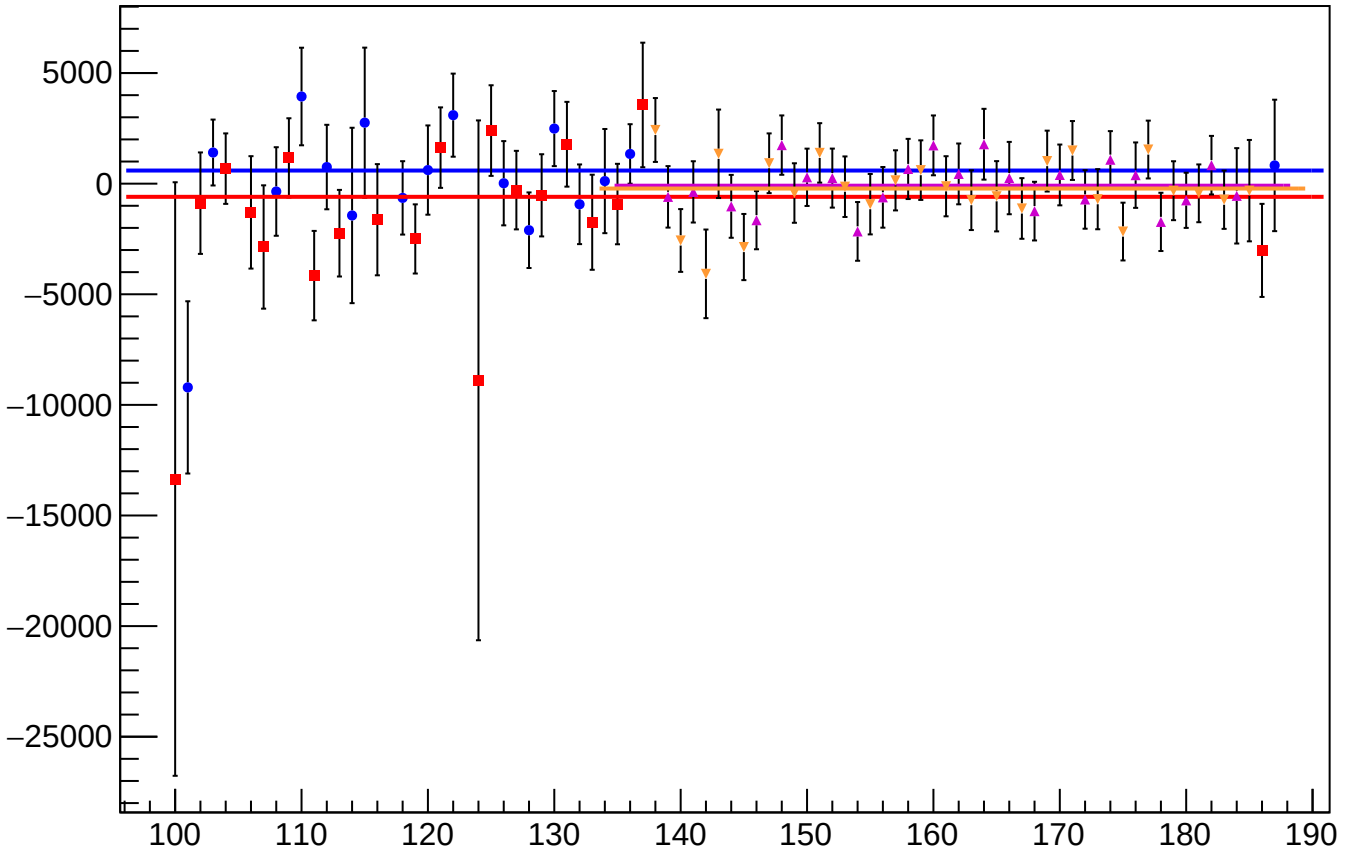
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10869826.1/36

In: 0.000+/-0.000 χ^2/NDF:7331208.2/39

Out: 0.000+/-0.000 χ^2/NDF:10754018.4/44

All: 0.000+/-0.000 χ^2/NDF: 18200540.2/84



Right In: 593.024+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -595.367+/-468.449 χ^2/NDF: 18.2/19

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

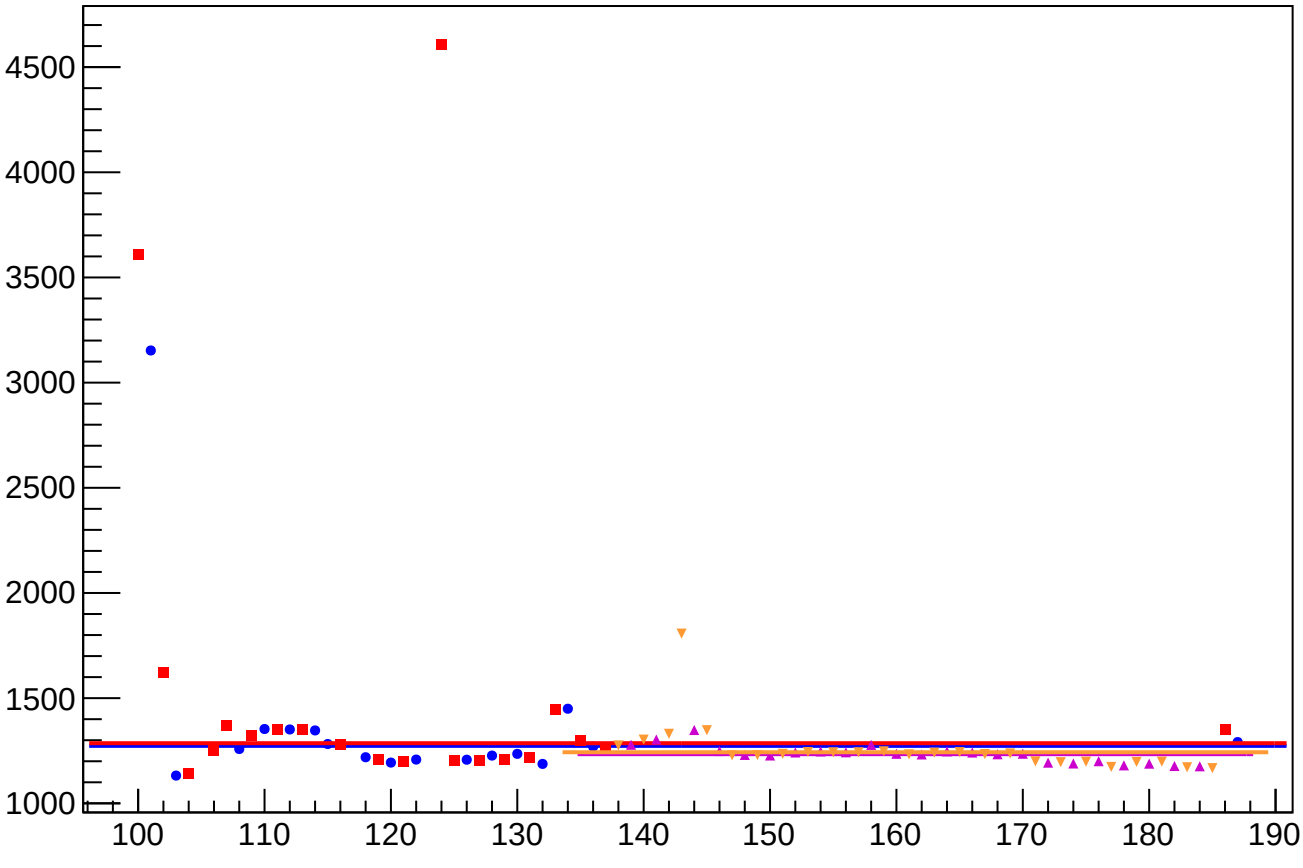
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -10.916+/-333.949 χ^2/NDF: 38.5/36

In: 91.368+/-246.571 χ^2/NDF:33.3/39

Out: -320.922+/-242.263 χ^2/NDF:42.6/44

All: -118.410+/-172.809 χ^2/NDF: 77.3/84



Right In: 1273.276+/-0.337 χ^2/NDF: 519372.5/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1285.878+/-0.331 χ^2/NDF: 324234.7/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

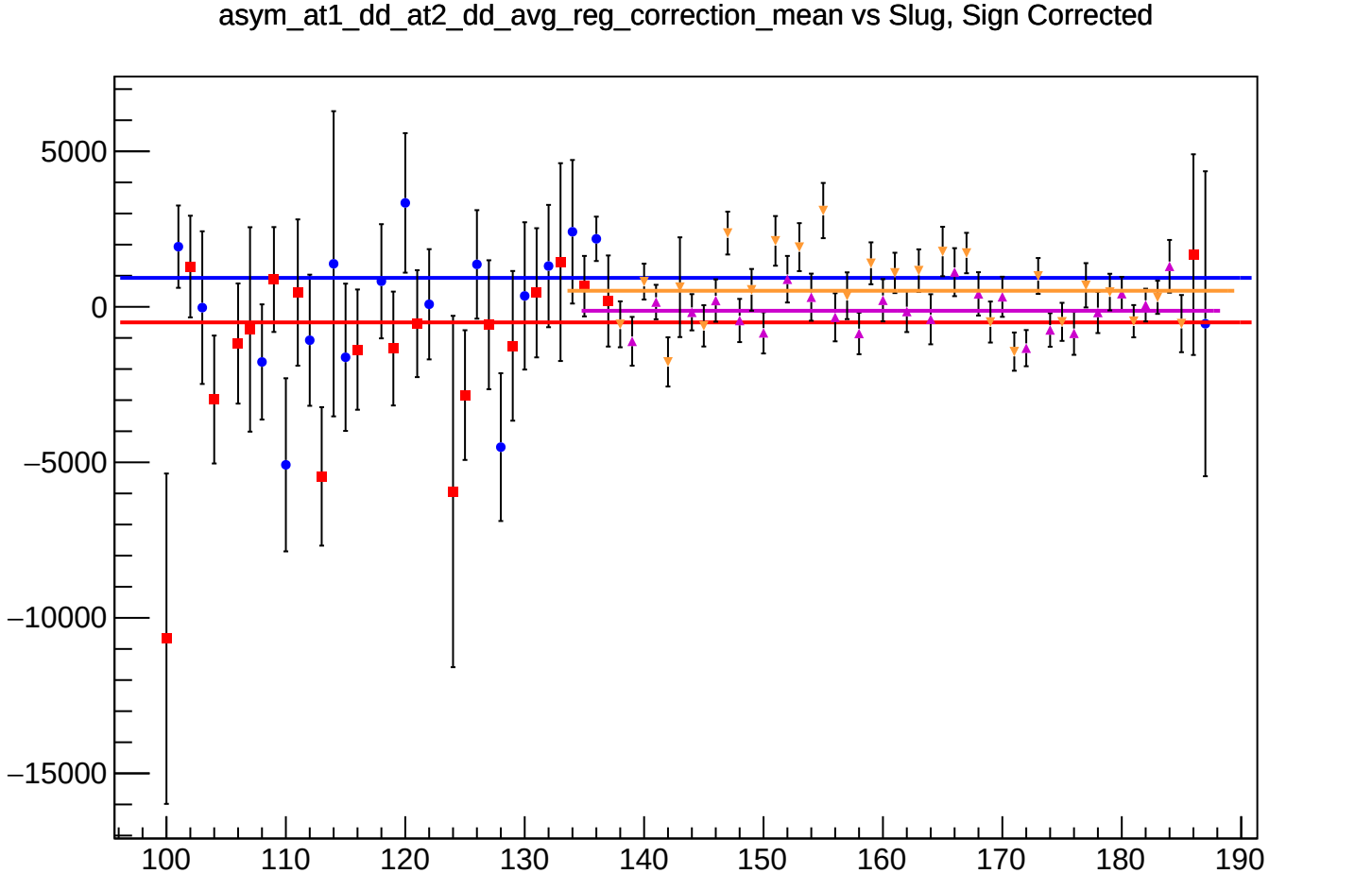
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1279.680+/-0.236 χ^2/NDF: 844319.2/36

In: 1244.349+/-0.174 χ^2/NDF:568738.0/39

Out: 1254.340+/-0.171 χ^2/NDF:539909.3/44

All: 1249.432+/-0.122 χ^2/NDF: 1110318.0/84



Right In: 930.636+/-424.240 χ^2/NDF: 20.0/16

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -500.117+/-435.872 χ^2/NDF: 17.6/19

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

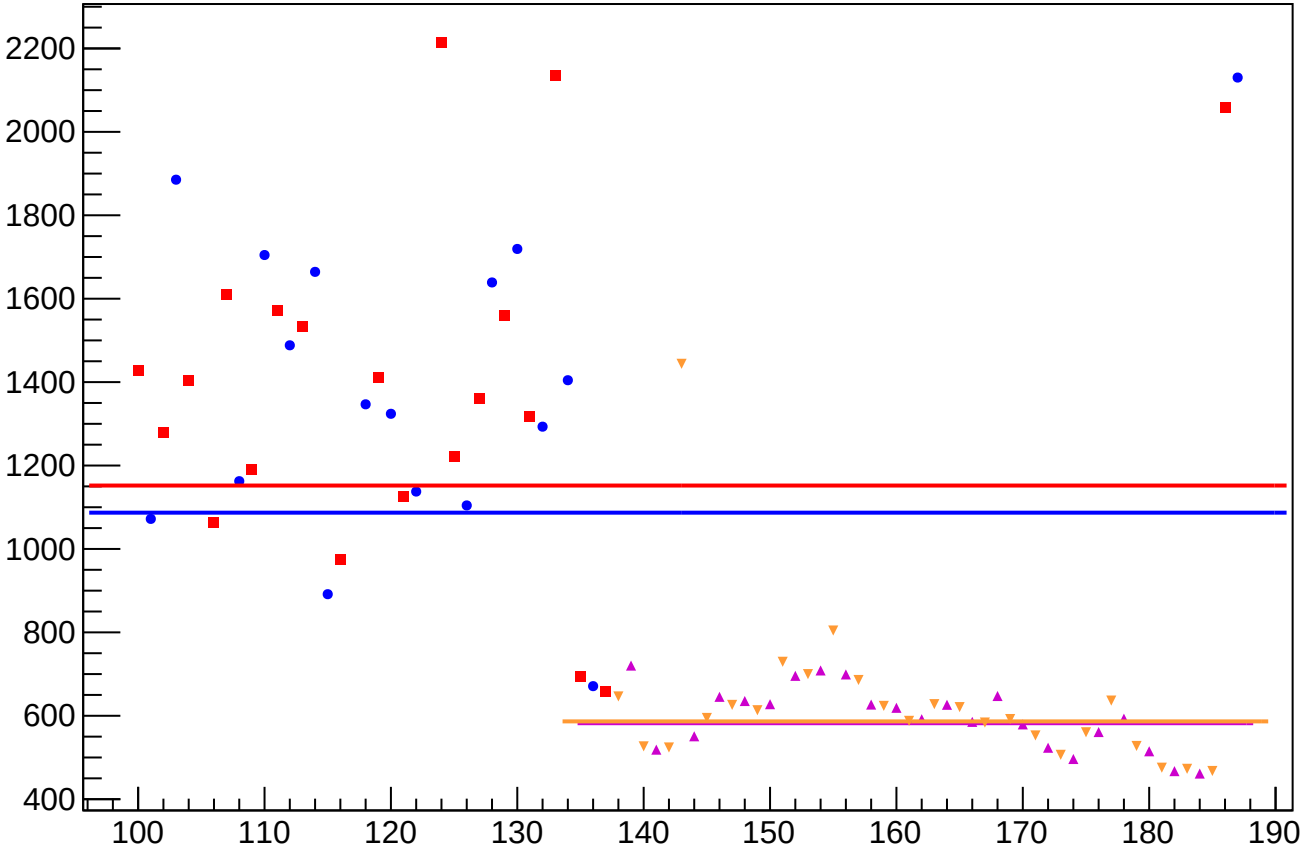
Right: 234.605+/-304.012 χ^2/NDF: 43.2/36

In: -26.379+/-130.600 χ^2/NDF:47.2/39

Out: 426.880+/-129.606 χ^2/NDF:89.6/44

All: 201.982+/-91.995 χ^2/NDF: 142.9/84

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1086.989+/-0.300 χ^2/NDF: 1573454.6/16

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1152.023+/-0.308 χ^2/NDF: 1454083.5/19

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

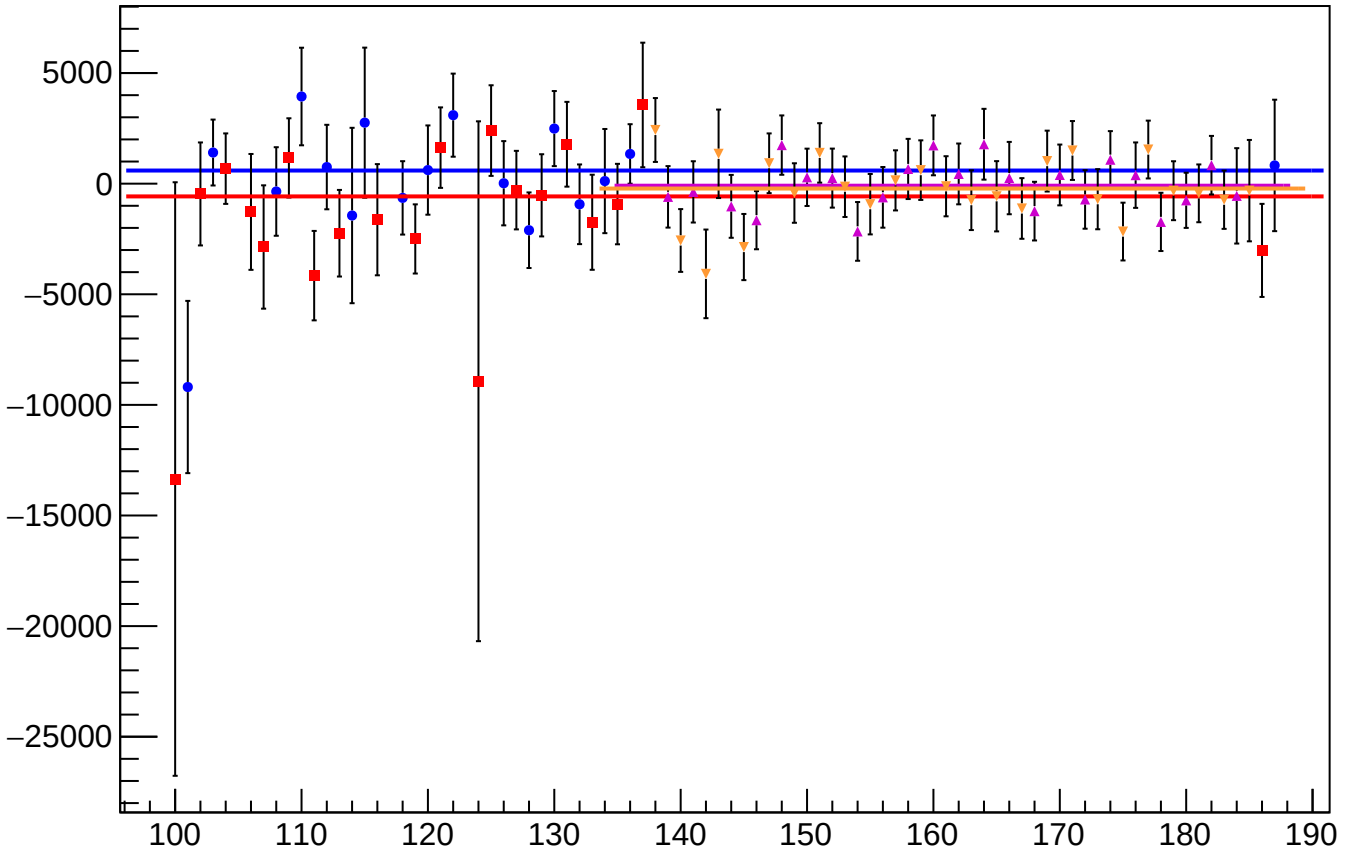
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1118.627+/-0.215 χ^2/NDF: 3050402.8/36

In: 630.029+/-0.092 χ^2/NDF:4696033.9/39

Out: 636.554+/-0.092 χ^2/NDF:5725472.8/44

All: 633.317+/-0.065 χ^2/NDF: 10424021.6/84



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -576.199+/-469.207 χ^2/NDF: 18.2/19

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

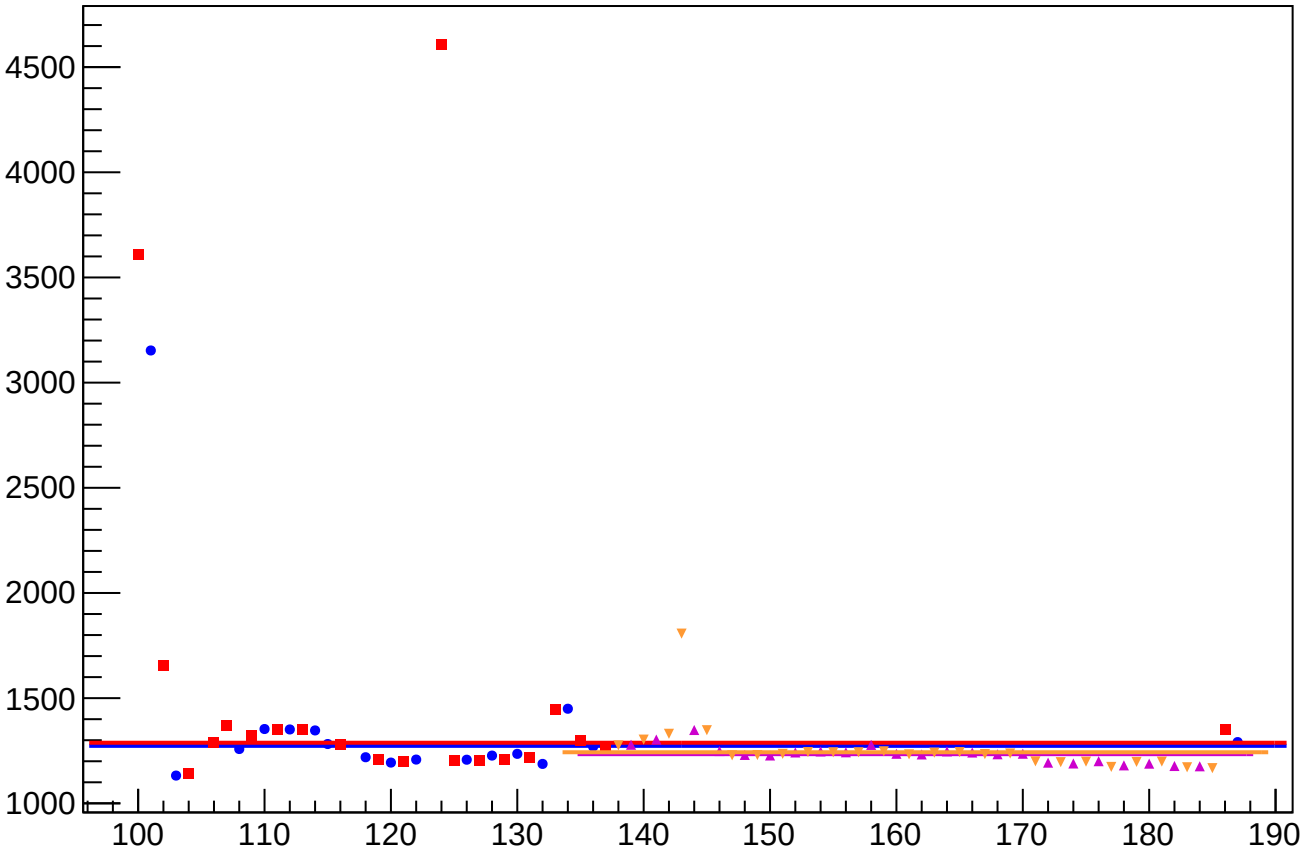
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -0.076+/-334.223 χ^2/NDF: 38.3/36

In: 91.401+/-246.571 χ^2/NDF:33.3/39

Out: -315.596+/-242.368 χ^2/NDF:42.6/44

All: -115.596+/-172.847 χ^2/NDF: 77.2/84



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

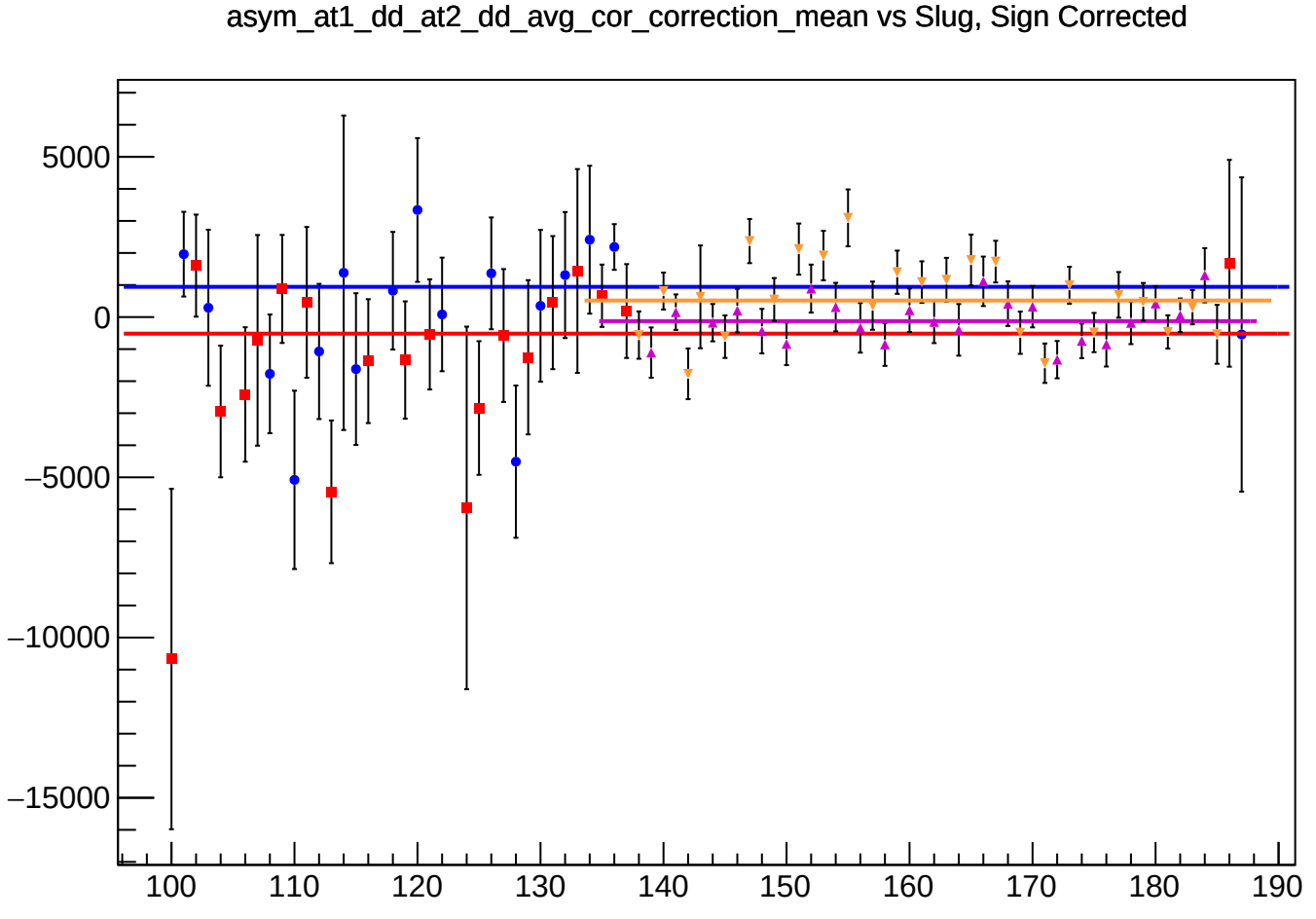
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1280.780+/-0.236 χ^2/NDF: 851106.4/36

In: 1244.349+/-0.174 χ^2/NDF:568739.3/39

Out: 1254.896+/-0.171 χ^2/NDF:547684.9/44

All: 1249.713+/-0.122 χ^2/NDF: 1118285.4/84



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

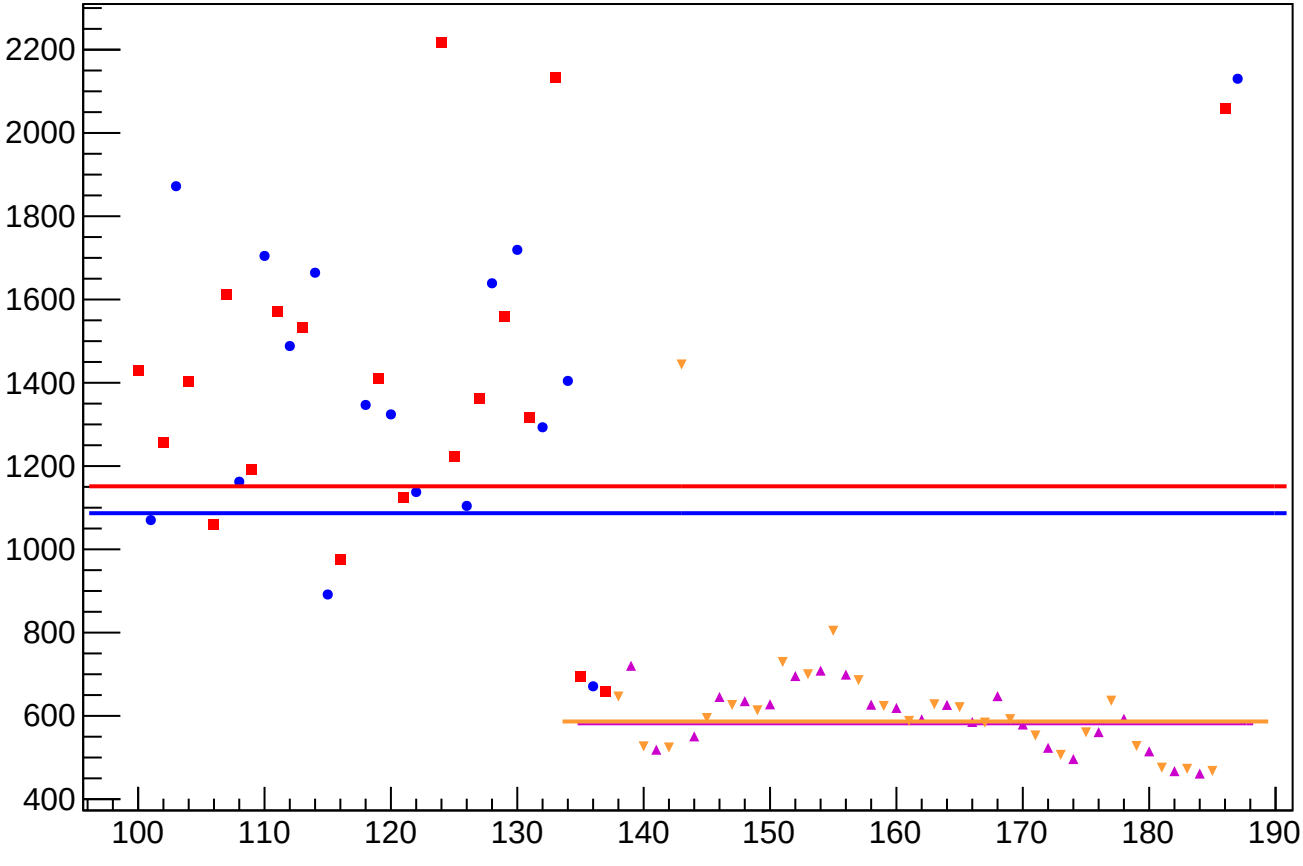
Right: 234.417+/-304.229 χ^2/NDF: 44.6/36

In: -25.120+/-130.595 χ^2/NDF:47.3/39

Out: 425.724+/-129.629 χ^2/NDF:91.0/44

All: 201.975+/-92.001 χ^2/NDF: 144.3/84

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

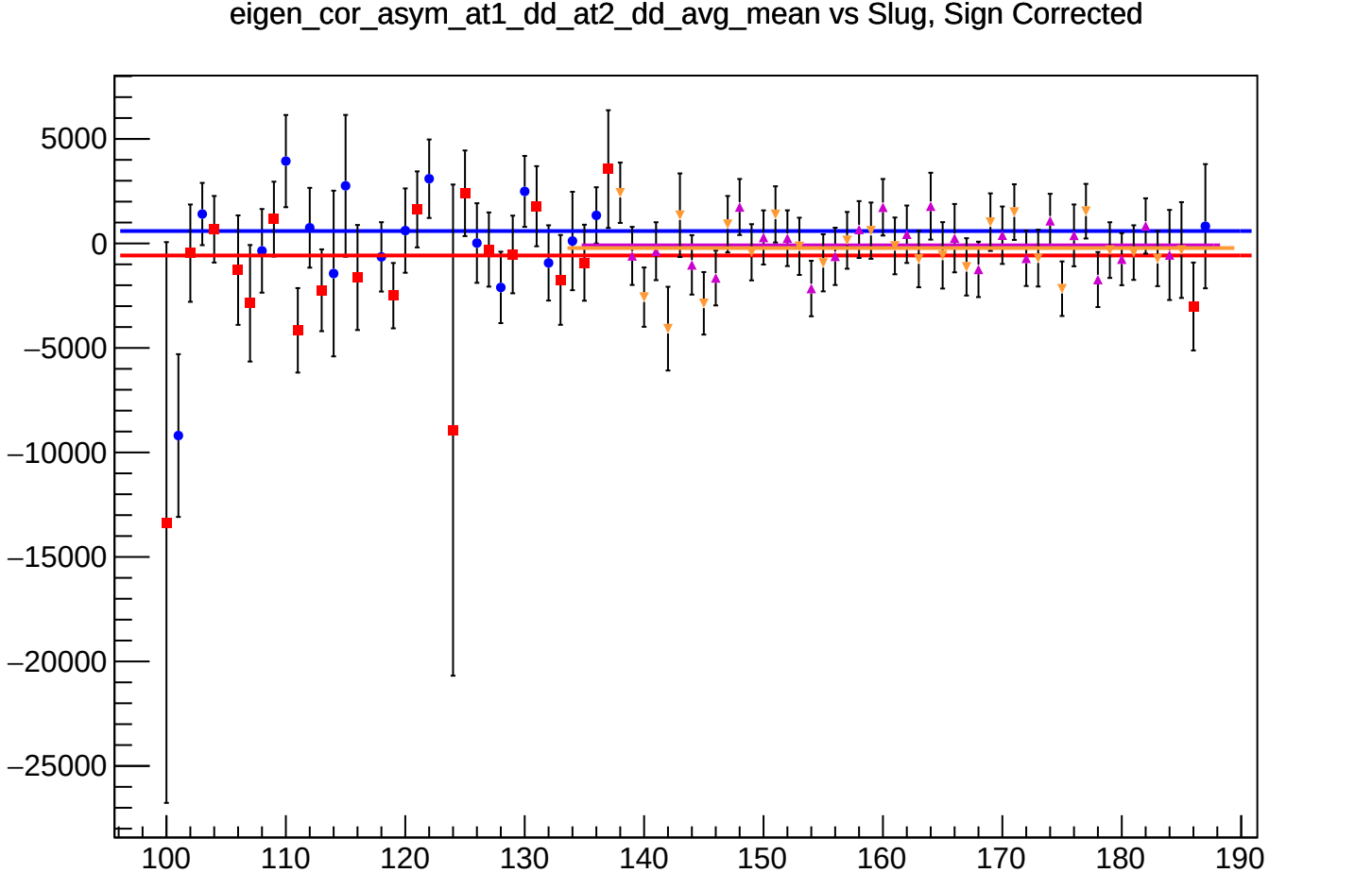
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1118.134+/-0.215 χ^2/NDF: 3042623.7/36

In: 630.045+/-0.092 χ^2/NDF:4692520.1/39

Out: 636.328+/-0.092 χ^2/NDF:5703679.7/44

All: 633.210+/-0.065 χ^2/NDF: 10398531.6/84



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -576.199+/-469.207 χ^2/NDF: 18.2/19

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

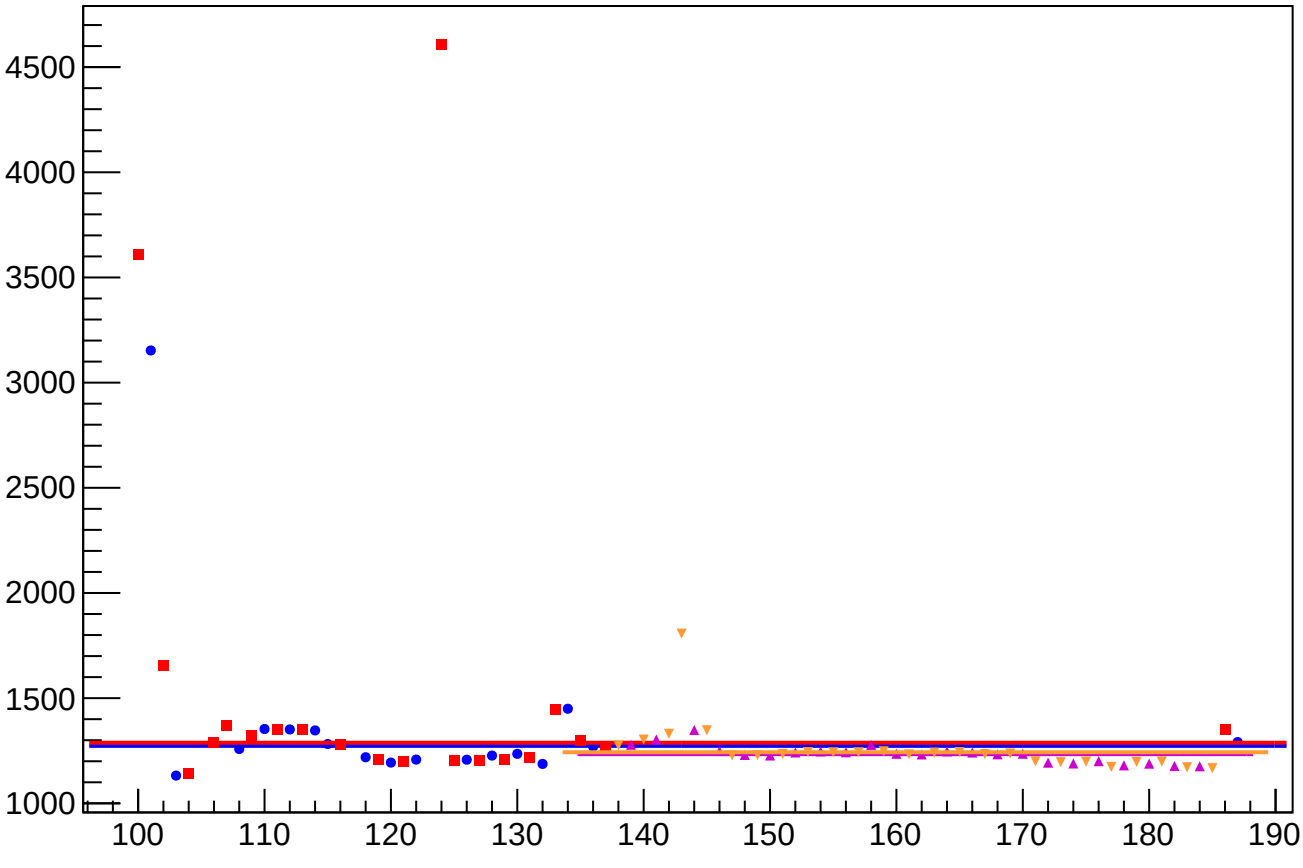
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -0.076+/-334.223 χ^2/NDF: 38.3/36

In: 91.401+/-246.571 χ^2/NDF:33.3/39

Out: -315.596+/-242.368 χ^2/NDF:42.6/44

All: -115.596+/-172.847 χ^2/NDF: 77.2/84



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

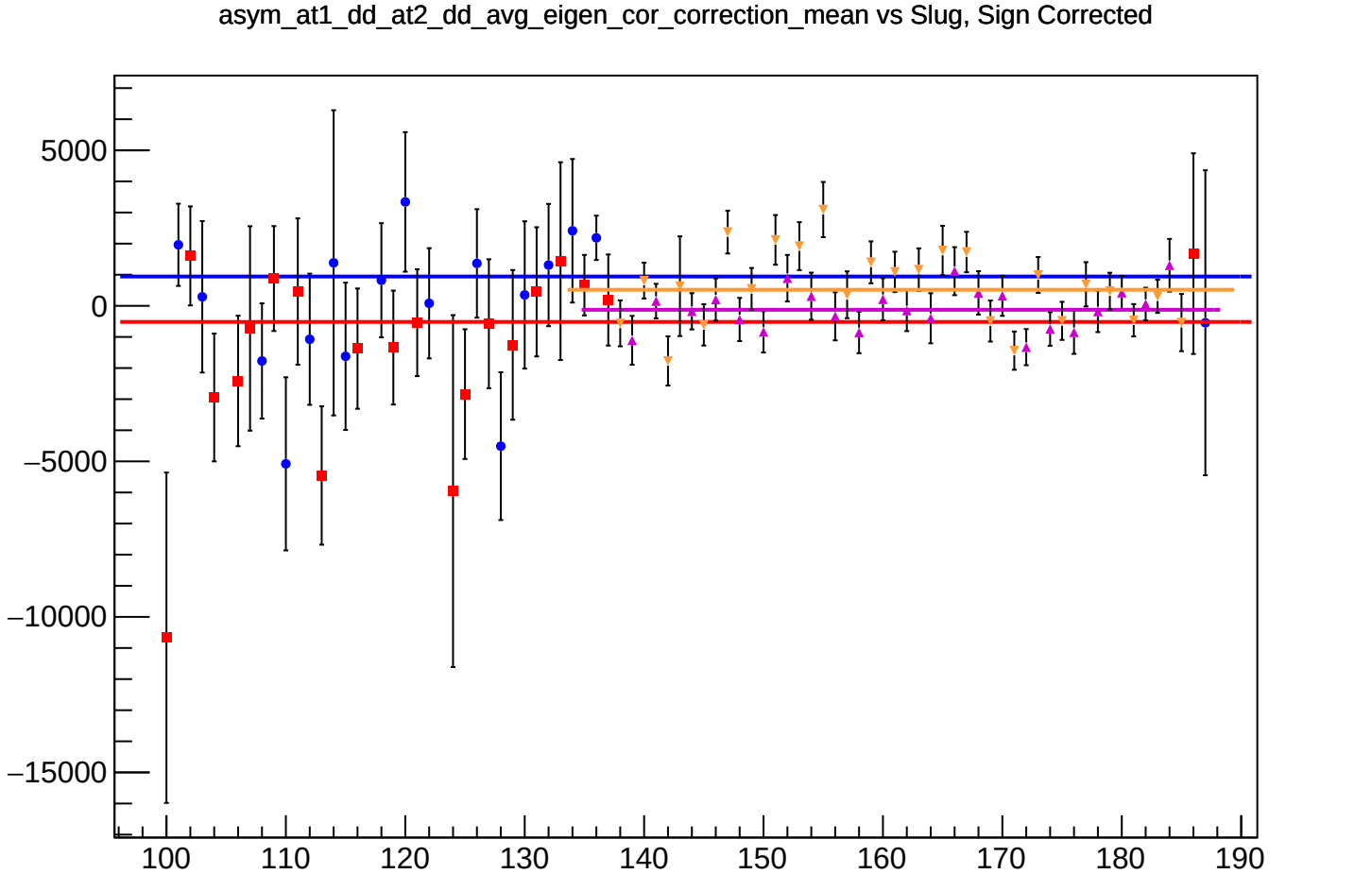
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1280.780+/-0.236 χ^2/NDF: 851106.4/36

In: 1244.349+/-0.174 χ^2/NDF:568739.3/39

Out: 1254.896+/-0.171 χ^2/NDF:547684.9/44

All: 1249.713+/-0.122 χ^2/NDF: 1118285.4/84



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

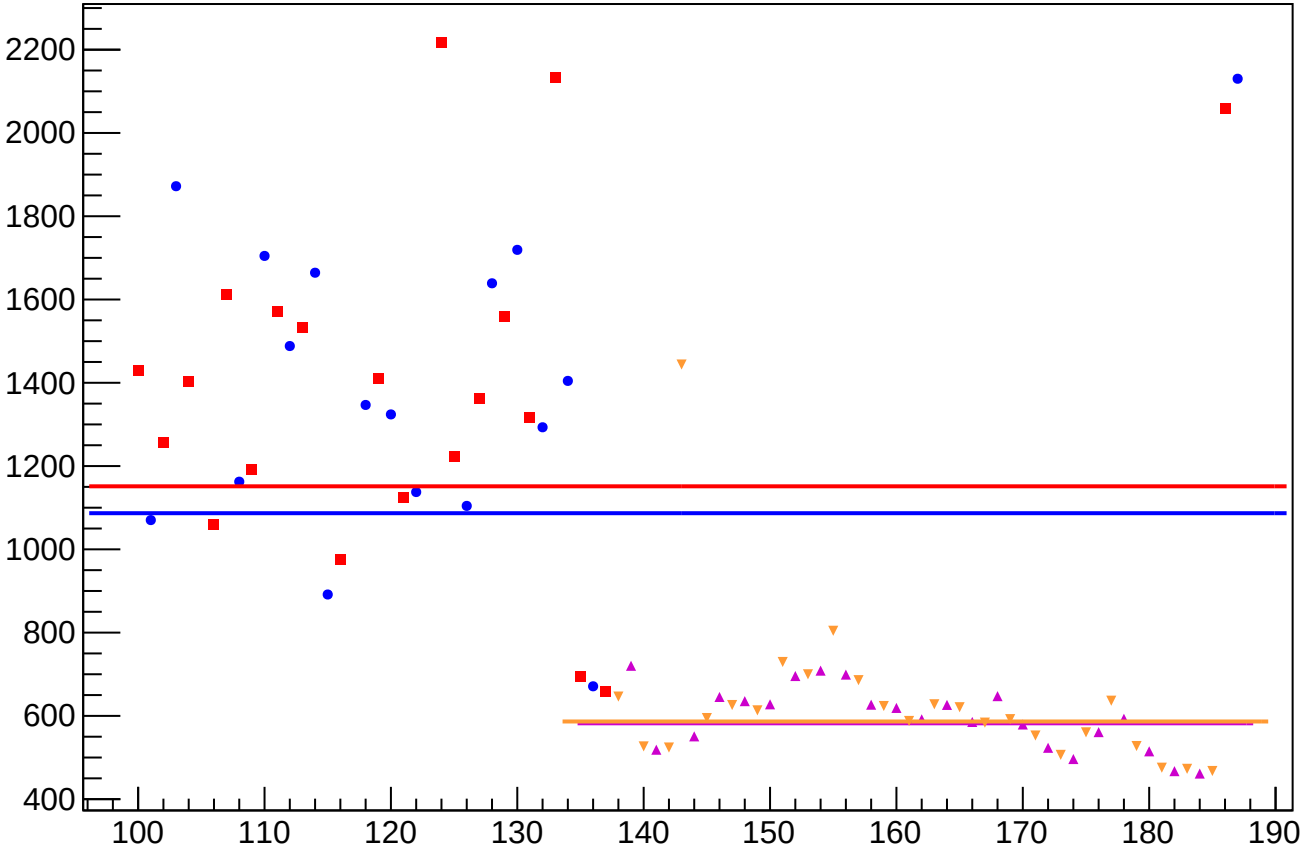
Right: 234.417+/-304.229 χ^2/NDF: 44.6/36

In: -25.120+/-130.595 χ^2/NDF:47.3/39

Out: 425.724+/-129.629 χ^2/NDF:91.0/44

All: 201.975+/-92.001 χ^2/NDF: 144.3/84

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

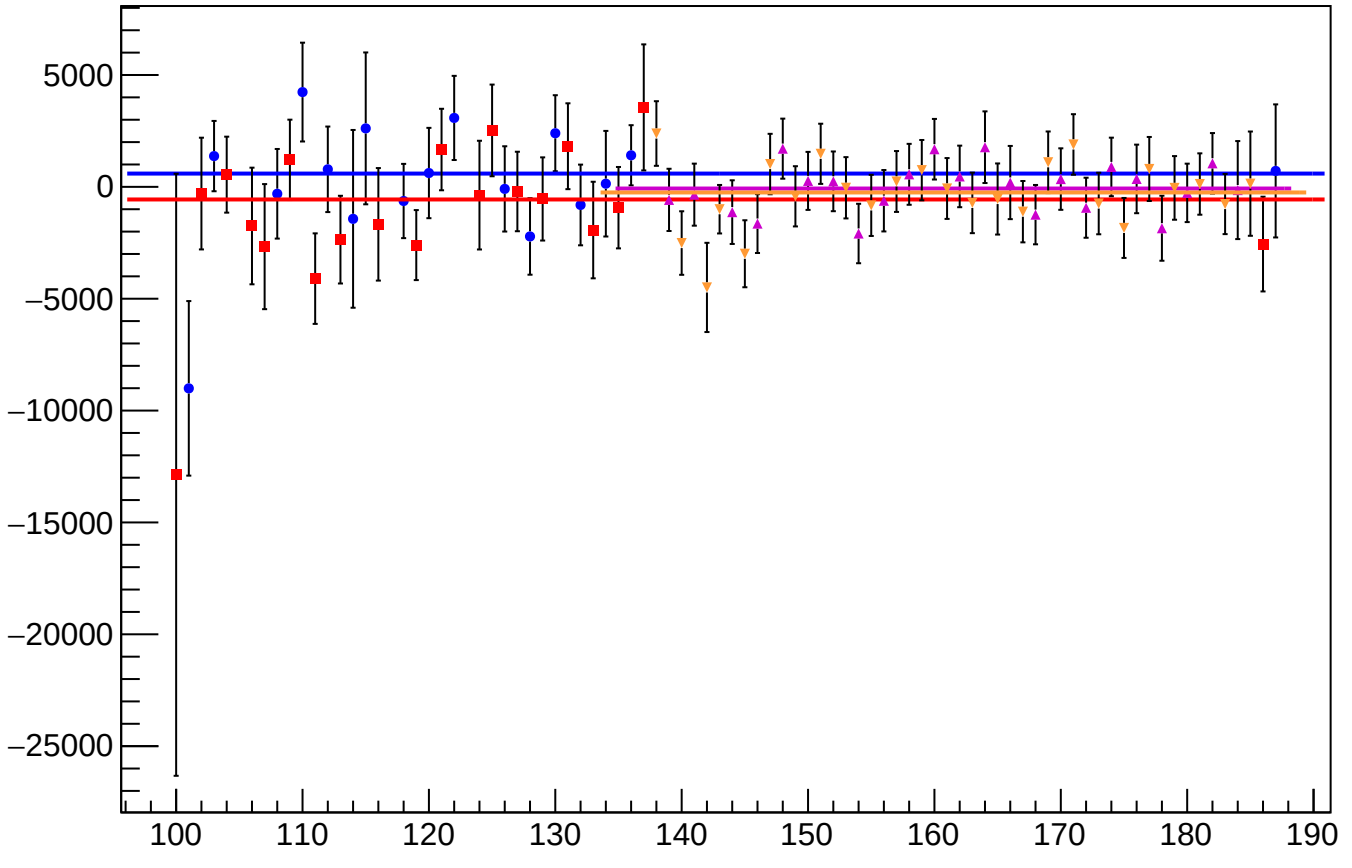
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1118.134+/-0.215 χ^2/NDF: 3042623.7/36

In: 630.045+/-0.092 χ^2/NDF:4692520.1/39

Out: 636.328+/-0.092 χ^2/NDF:5703679.7/44

All: 633.210+/-0.065 χ^2/NDF: 10398531.6/84



Right In: 593.494+/-479.141 χ^2/NDF: 17.1/16

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -563.764+/-465.143 χ^2/NDF: 17.6/19

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

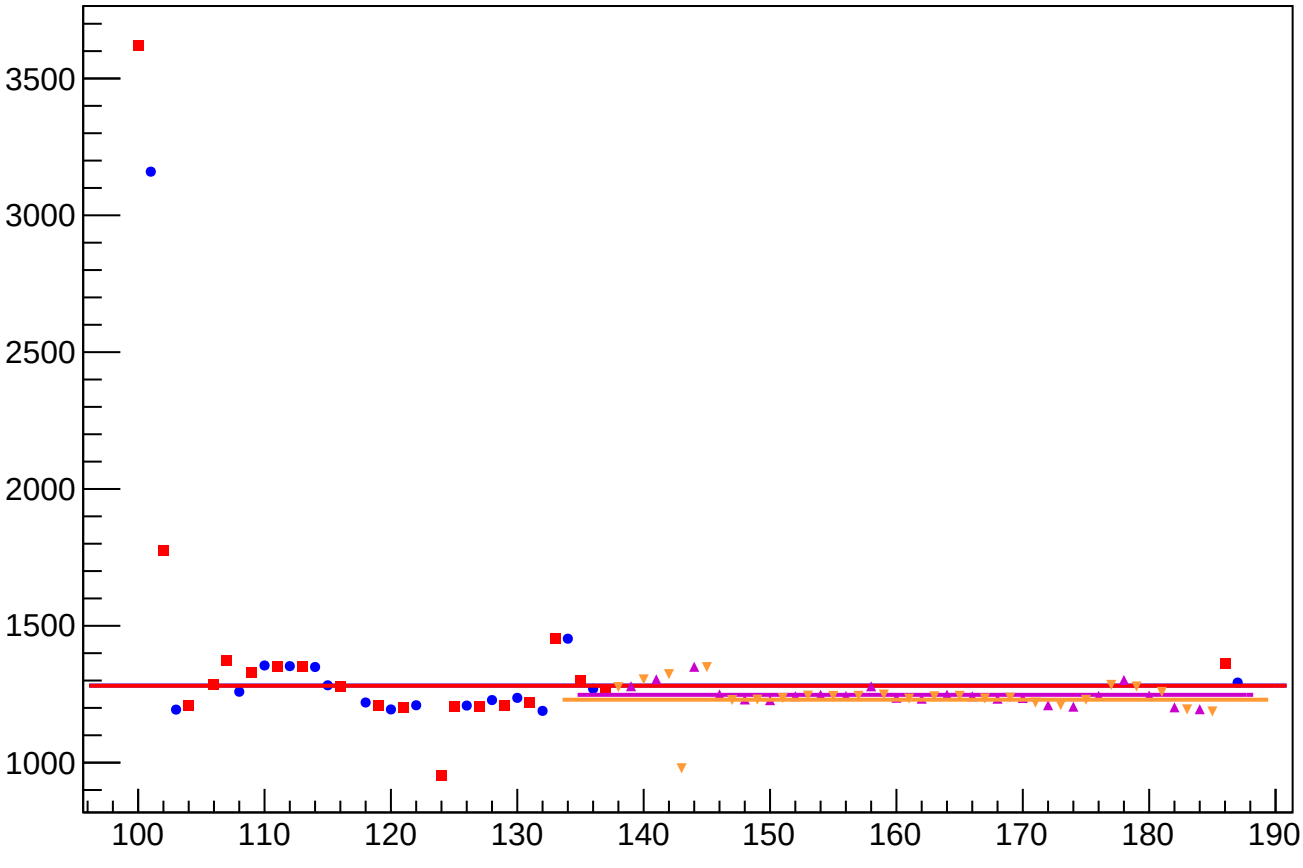
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -2.286+/-333.745 χ^2/NDF: 37.7/36

In: 105.636+/-249.008 χ^2/NDF:32.5/39

Out: -334.045+/-239.841 χ^2/NDF:42.0/44

All: -122.446+/-172.743 χ^2/NDF: 76.1/84



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.2/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.4/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

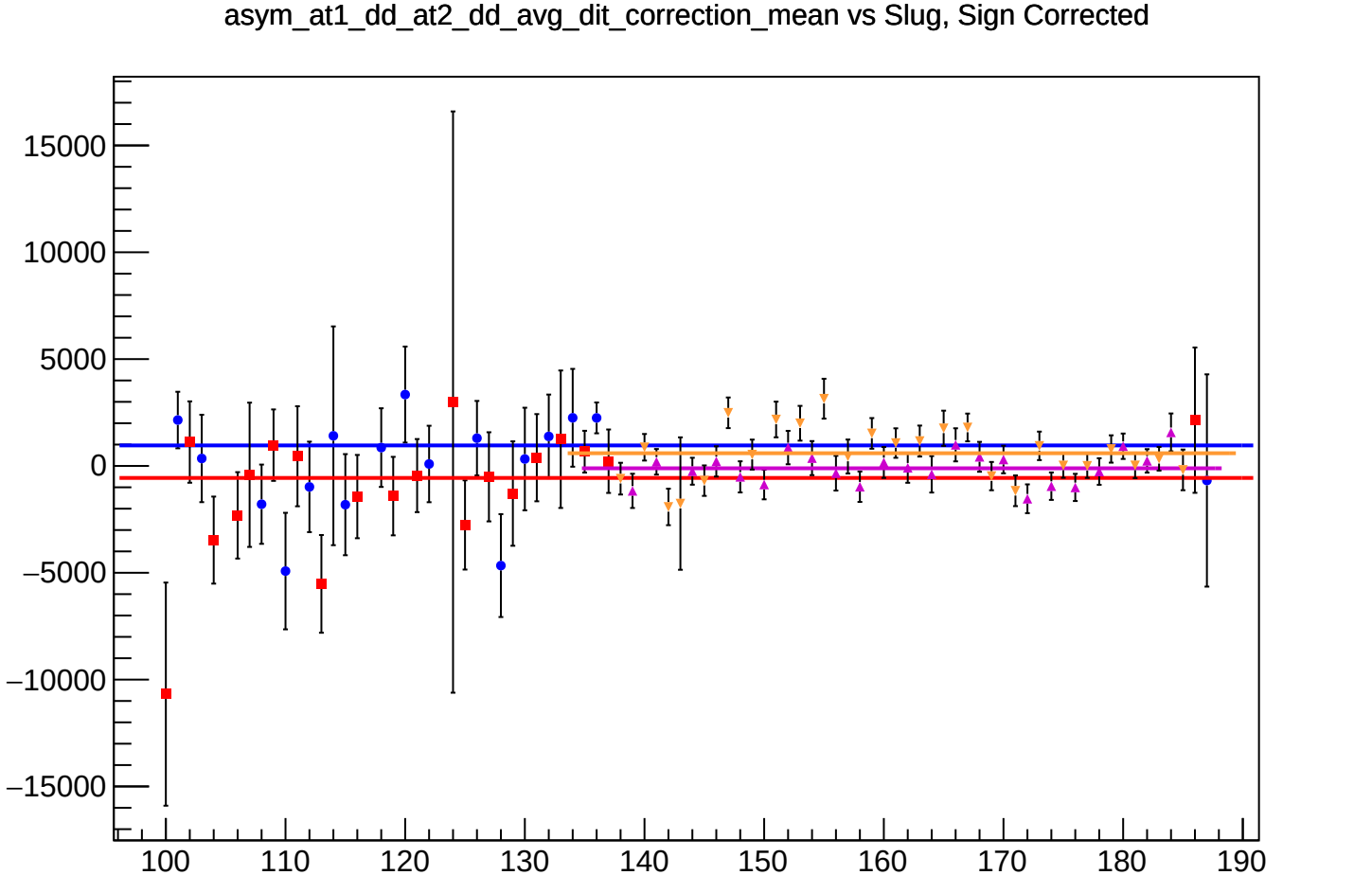
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

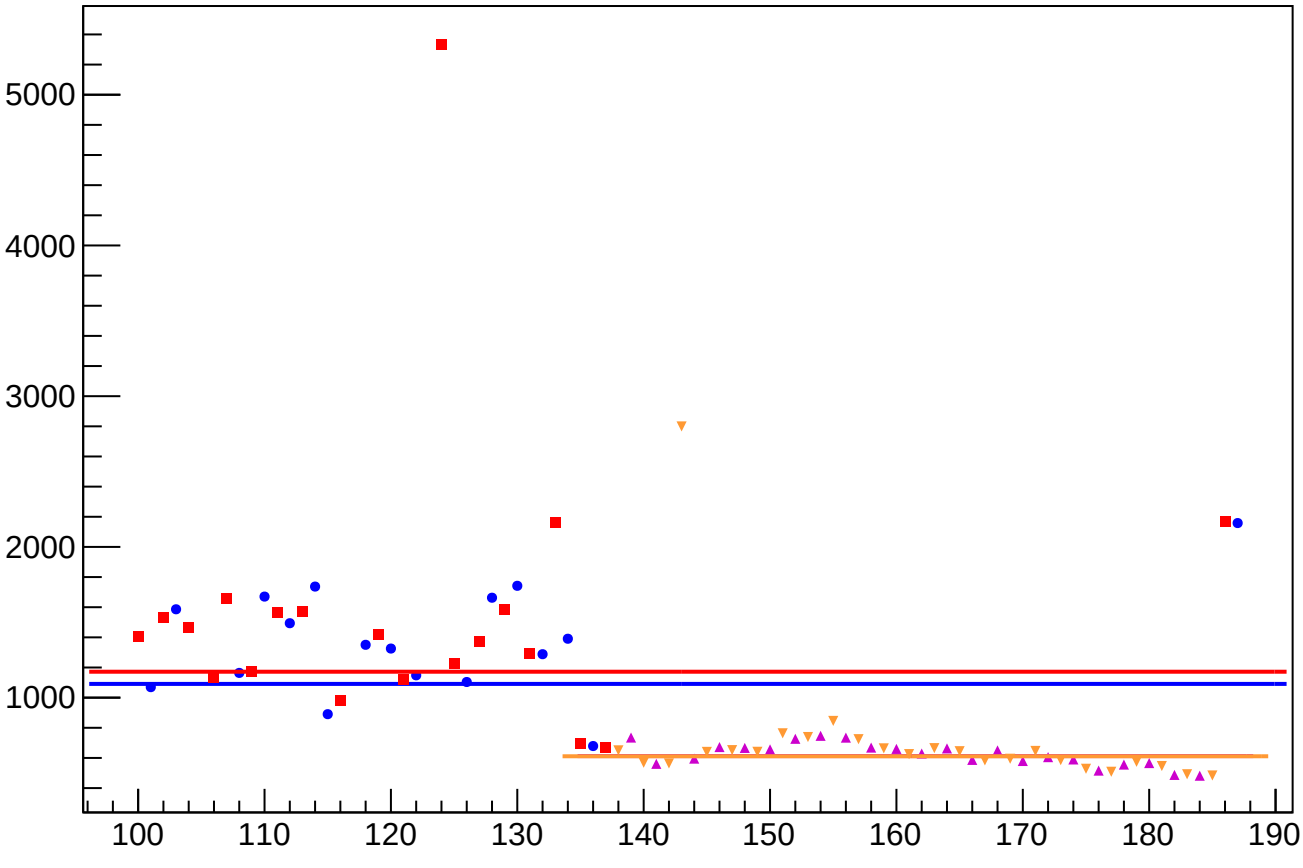
Right: 1281.301+/-0.236 χ^2/NDF: 730687.7/36

In: 1256.934+/-0.176 χ^2/NDF:541743.8/39

Out: 1243.539+/-0.170 χ^2/NDF:382821.1/44

All: 1249.986+/-0.122 χ^2/NDF: 927567.1/84


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 960.265+/-423.669 χ²/NDF: 20.6/16
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -561.548+/-443.903 χ²/NDF: 17.8/19
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 234.831+/-306.483 χ²/NDF: 44.5/36
In: 0.932+/-136.537 χ²/NDF:52.0/39
Out: 487.458+/-135.361 χ²/NDF:81.3/44
All: 246.299+/-96.128 χ²/NDF: 139.7/84



Right In: 1091.153+/-0.300 χ^2/NDF: 1453127.6/16

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1172.032+/-0.314 χ^2/NDF: 1663693.5/19

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

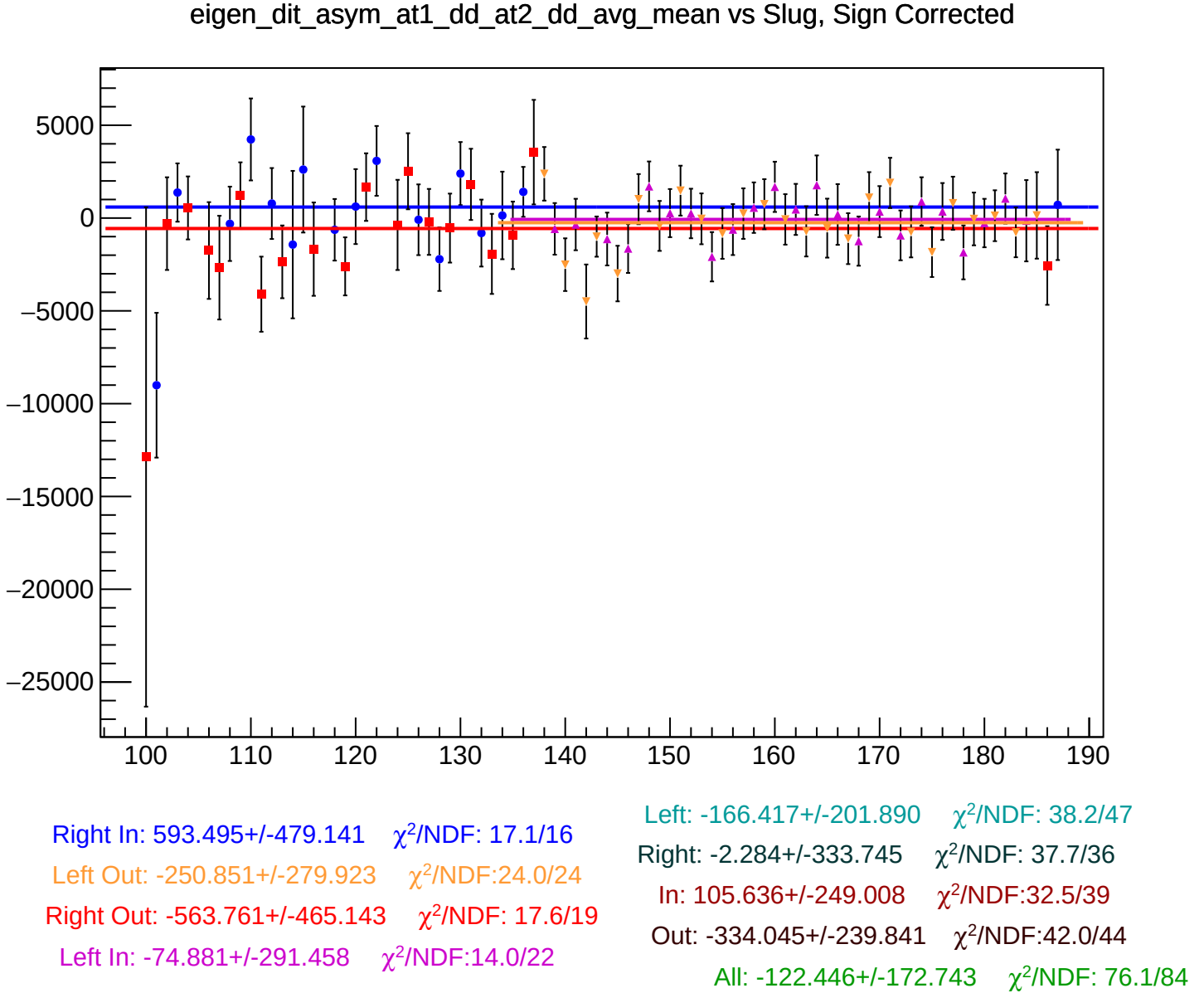
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

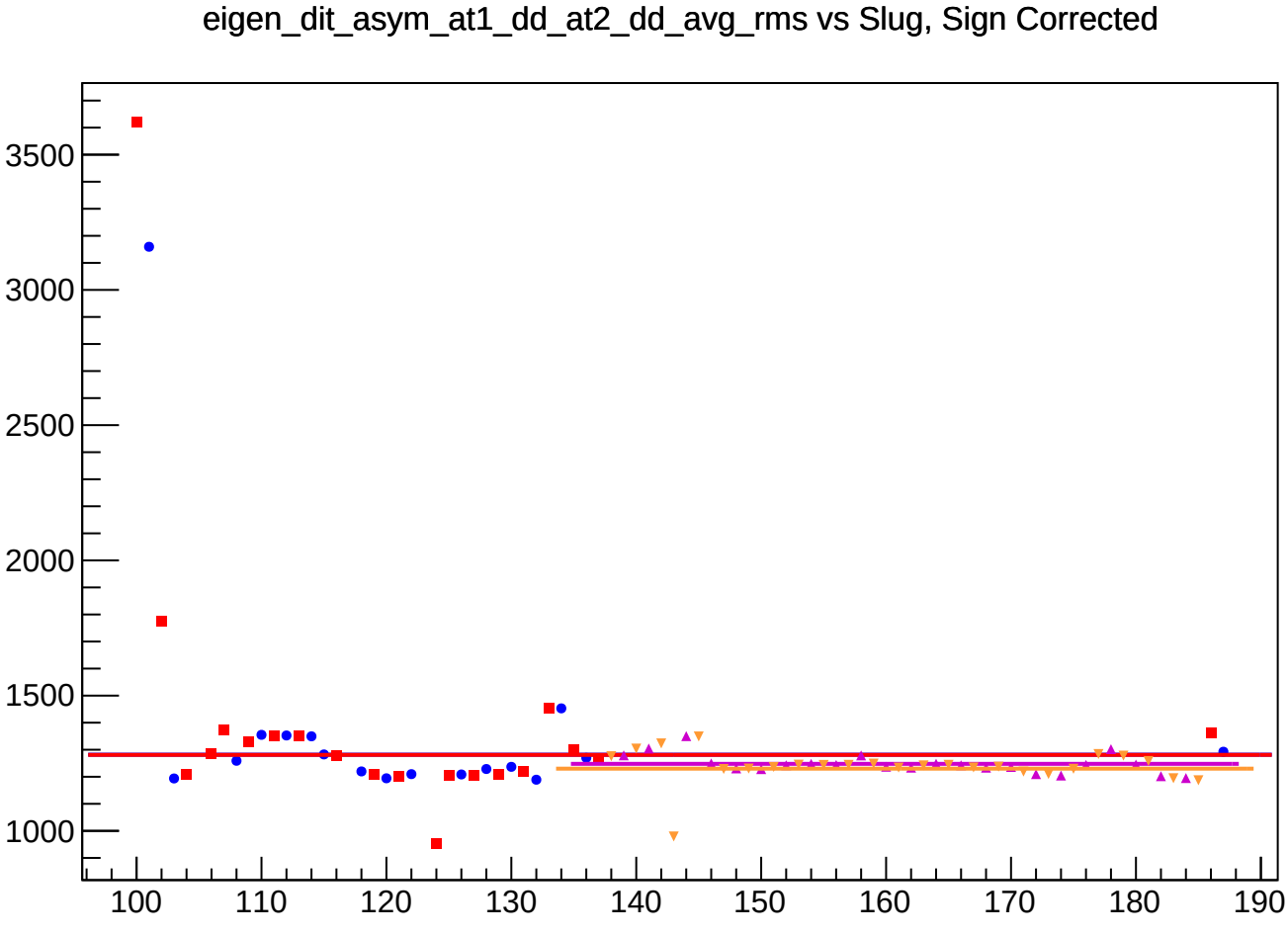
Right: 1129.708+/-0.217 χ^2/NDF: 3151565.3/36

In: 662.122+/-0.097 χ^2/NDF:4250363.3/39

Out: 663.246+/-0.096 χ^2/NDF:6179760.3/44

All: 662.689+/-0.068 χ^2/NDF: 10430191.9/84


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
170
180
190
Right In: 593.495+/-479.141 χ²/NDF: 17.1/16
Left Out: -250.851+/-279.923 χ²/NDF:24.0/24
Right Out: -563.761+/-465.143 χ²/NDF: 17.6/19
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.417+/-201.890 χ²/NDF: 38.2/47
Right: -2.284+/-333.745 χ²/NDF: 37.7/36
In: 105.636+/-249.008 χ²/NDF:32.5/39
Out: -334.045+/-239.841 χ²/NDF:42.0/44
All: -122.446+/-172.743 χ²/NDF: 76.1/84



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.3/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.3/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

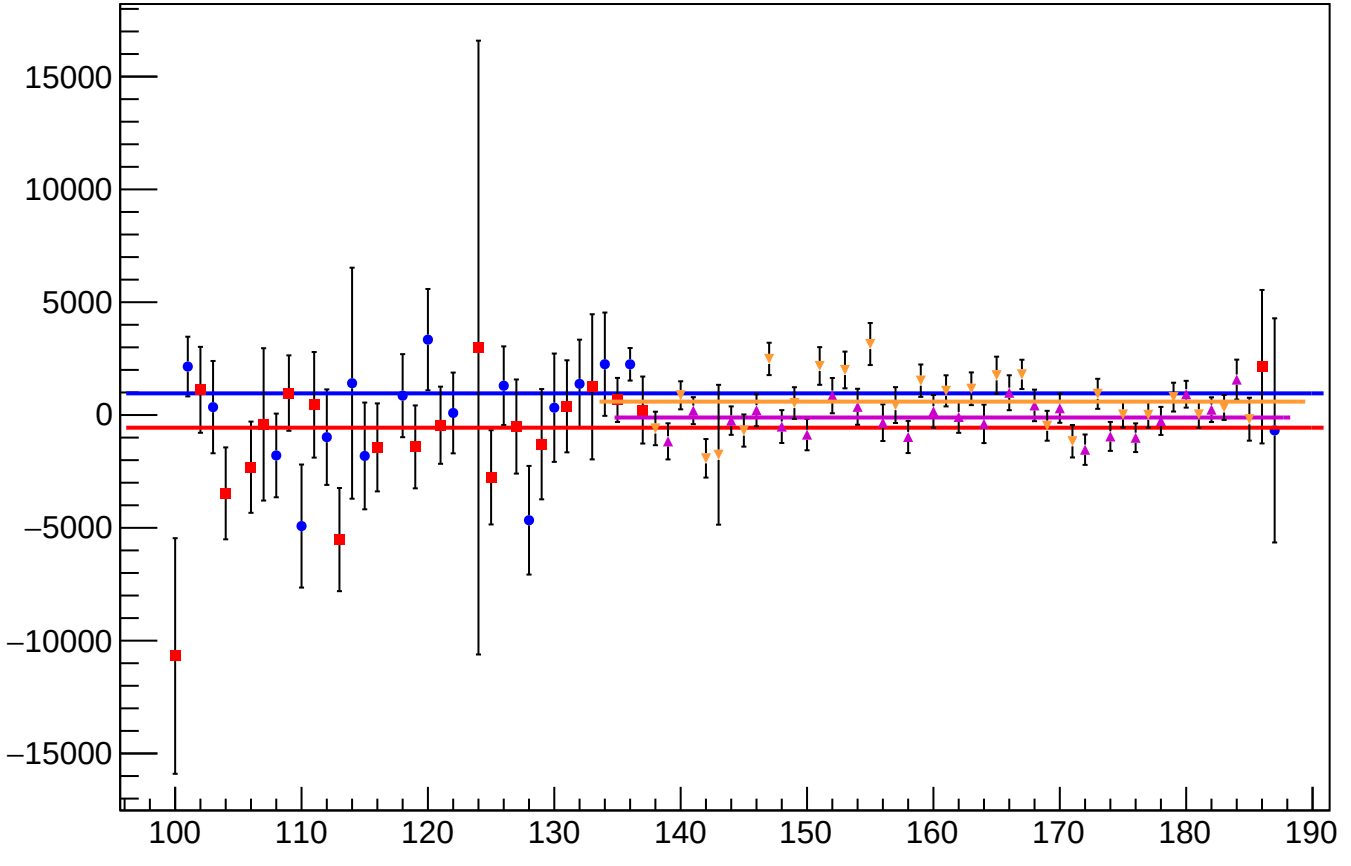
Right: 1281.300+/-0.236 χ^2/NDF: 730687.8/36

In: 1256.934+/-0.176 χ^2/NDF:541743.9/39

Out: 1243.539+/-0.170 χ^2/NDF:382820.0/44

All: 1249.986+/-0.122 χ^2/NDF: 927566.1/84

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 960.259+/-423.671 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -561.557+/-443.905 χ^2/NDF: 17.8/19

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

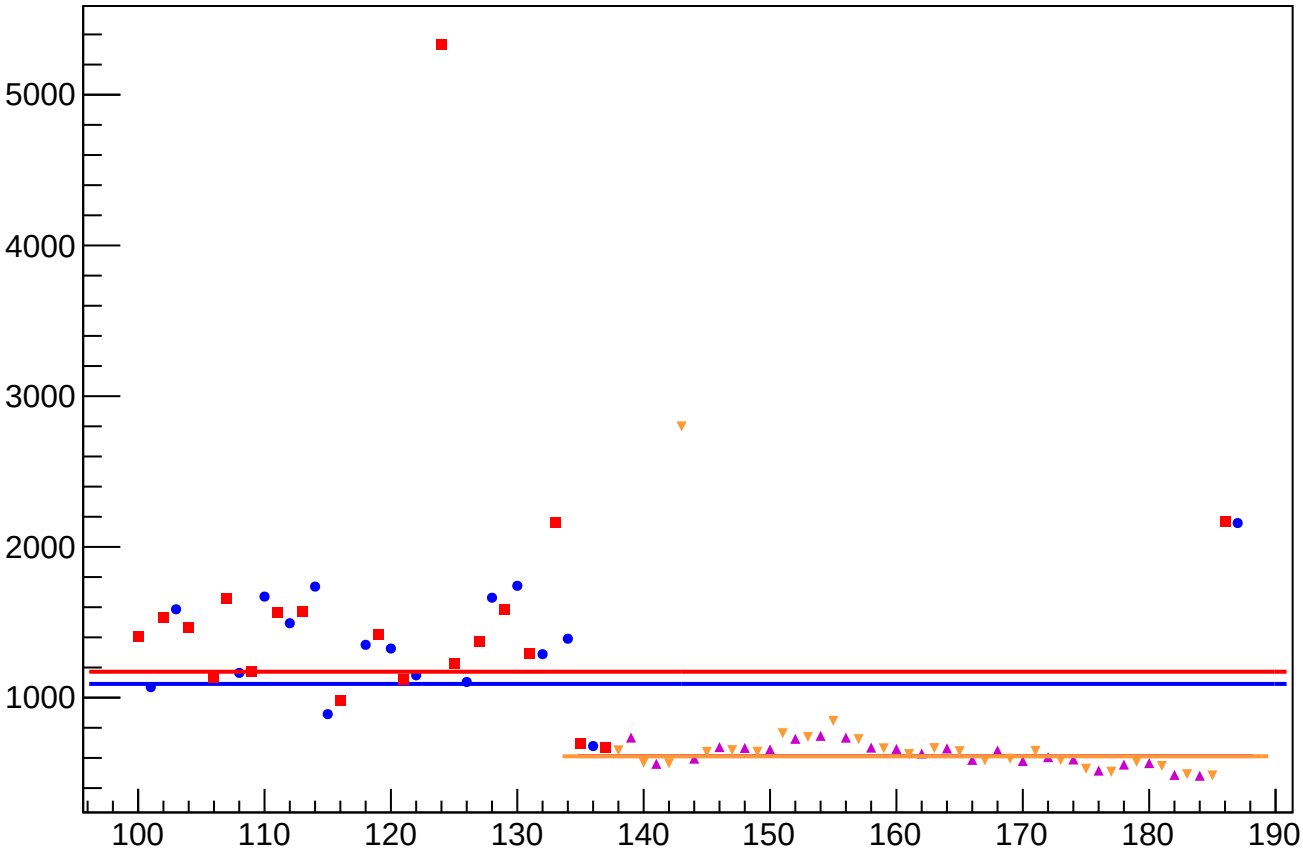
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 234.824+/-306.484 χ^2/NDF: 44.5/36

In: 0.931+/-136.537 χ^2/NDF:52.0/39

Out: 487.458+/-135.361 χ^2/NDF:81.3/44

All: 246.298+/-96.128 χ^2/NDF: 139.7/84



Right In: 1091.160+/-0.300 χ^2/NDF: 1453069.6/16

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1172.040+/-0.314 χ^2/NDF: 1663638.0/19

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

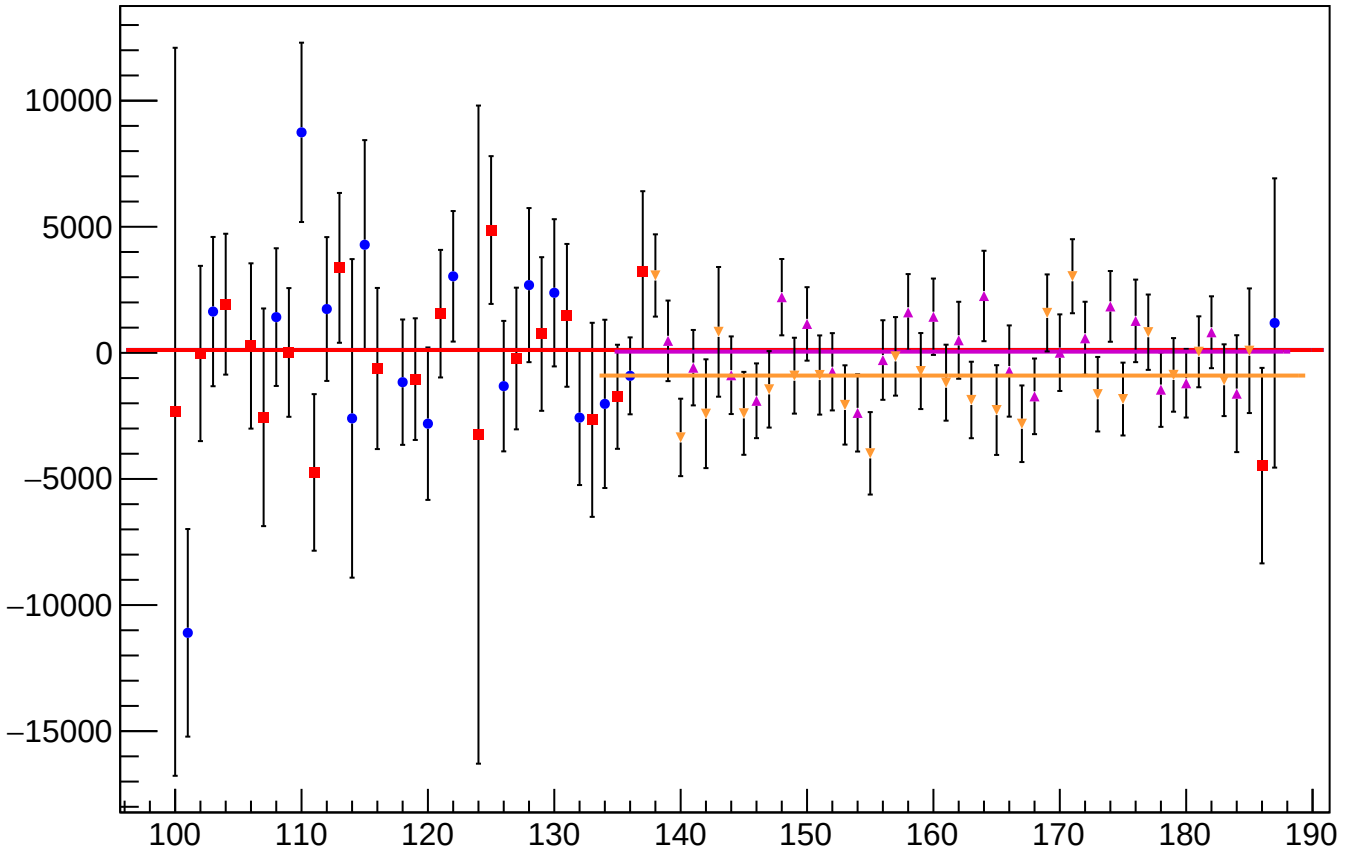
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1129.714+/-0.217 χ^2/NDF: 3151452.3/36

In: 662.122+/-0.097 χ^2/NDF:4250360.7/39

Out: 663.246+/-0.096 χ^2/NDF:6179758.1/44

All: 662.689+/-0.068 χ^2/NDF: 10430187.2/84



Right In: 116.327+/-693.850 χ^2/NDF: 21.3/16

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 113.307+/-688.594 χ^2/NDF: 11.8/19

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

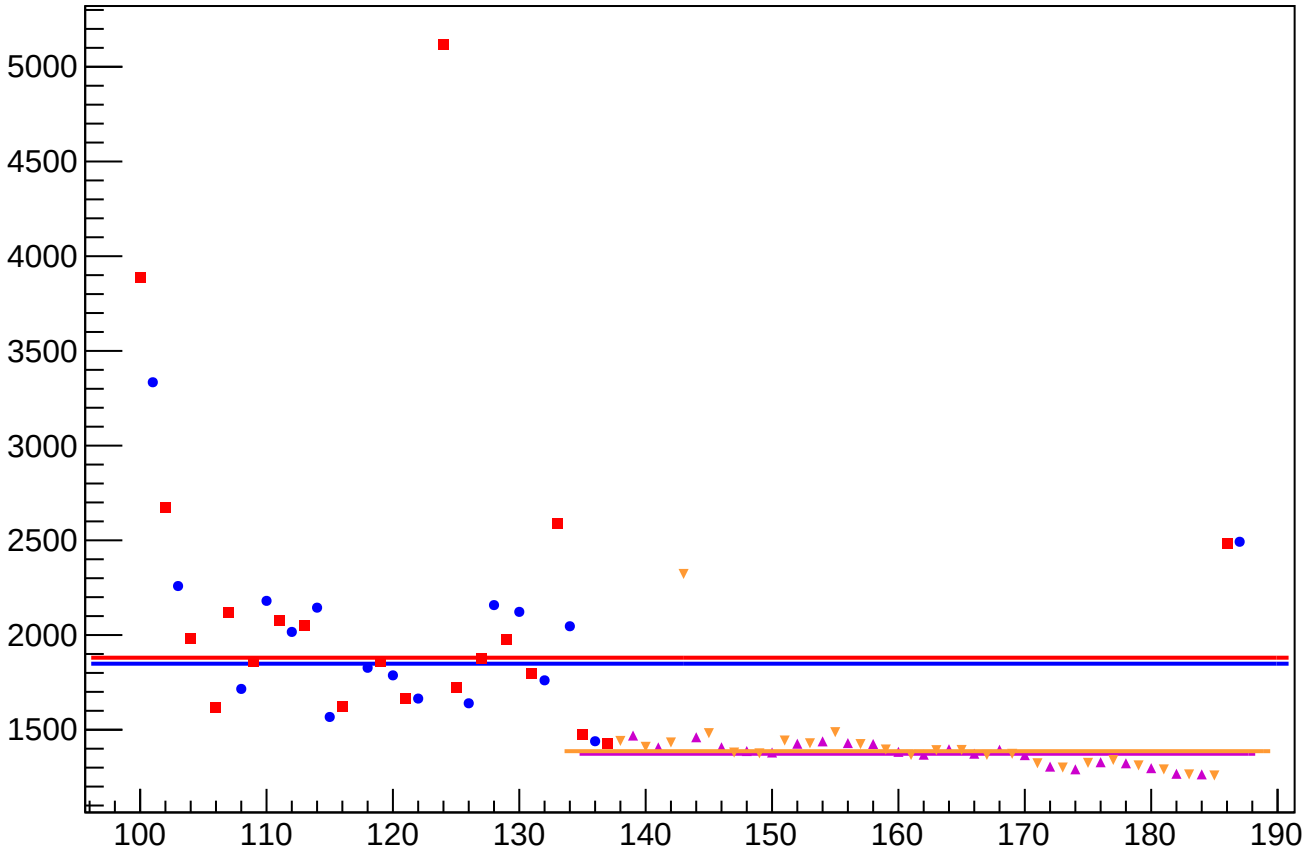
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 114.805+/-488.757 χ^2/NDF: 33.1/36

In: 60.188+/-291.280 χ^2/NDF:39.2/39

Out: -723.224+/-287.539 χ^2/NDF:43.4/44

All: -336.581+/-204.631 χ^2/NDF: 86.3/84



Right In: 1848.673+/-0.491 χ^2/NDF: 582291.5/16

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1880.358+/-0.487 χ^2/NDF: 571859.5/19

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

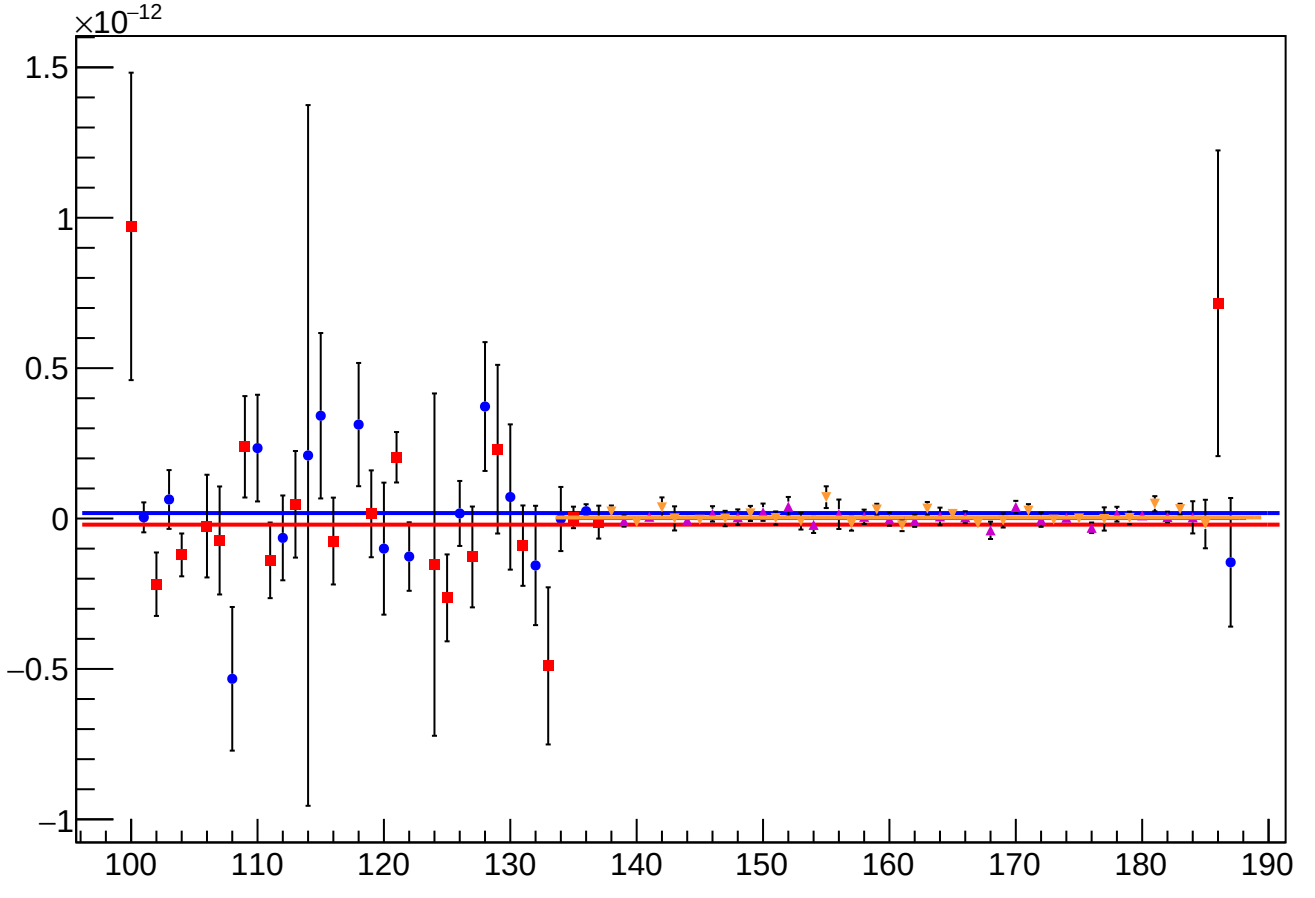
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1864.637+/-0.346 χ^2/NDF: 1156252.2/36

In: 1457.009+/-0.206 χ^2/NDF:1420377.3/39

Out: 1472.899+/-0.203 χ^2/NDF:1759851.4/44

All: 1465.057+/-0.145 χ^2/NDF: 3183243.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/19

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

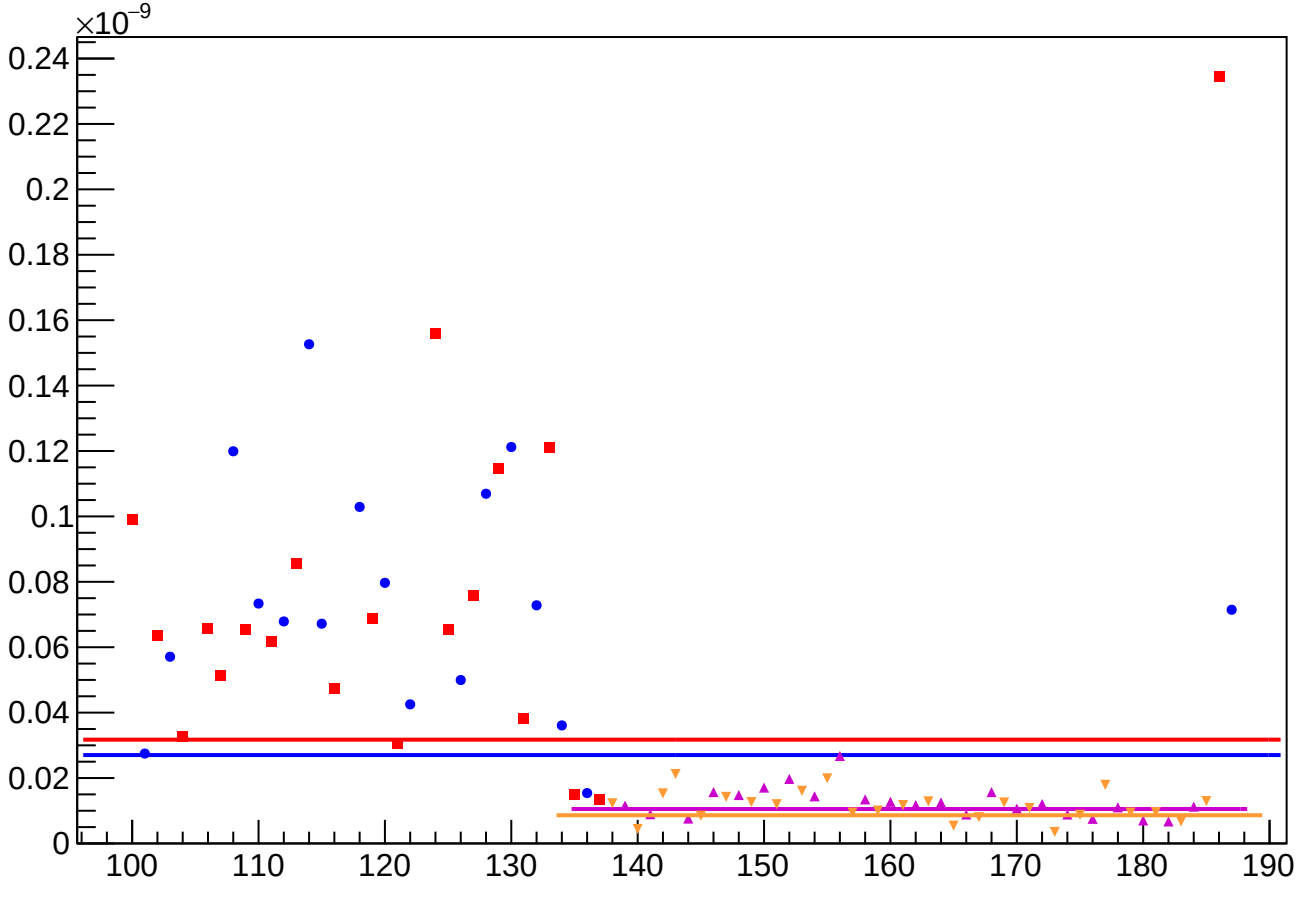
Right: 0.000+/-0.000 χ^2/NDF: 49.1/36

In: 0.000+/-0.000 χ^2/NDF:31.3/39

Out: 0.000+/-0.000 χ^2/NDF:56.2/44

All: 0.000+/-0.000 χ^2/NDF: 87.5/84

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2667669.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2594605.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

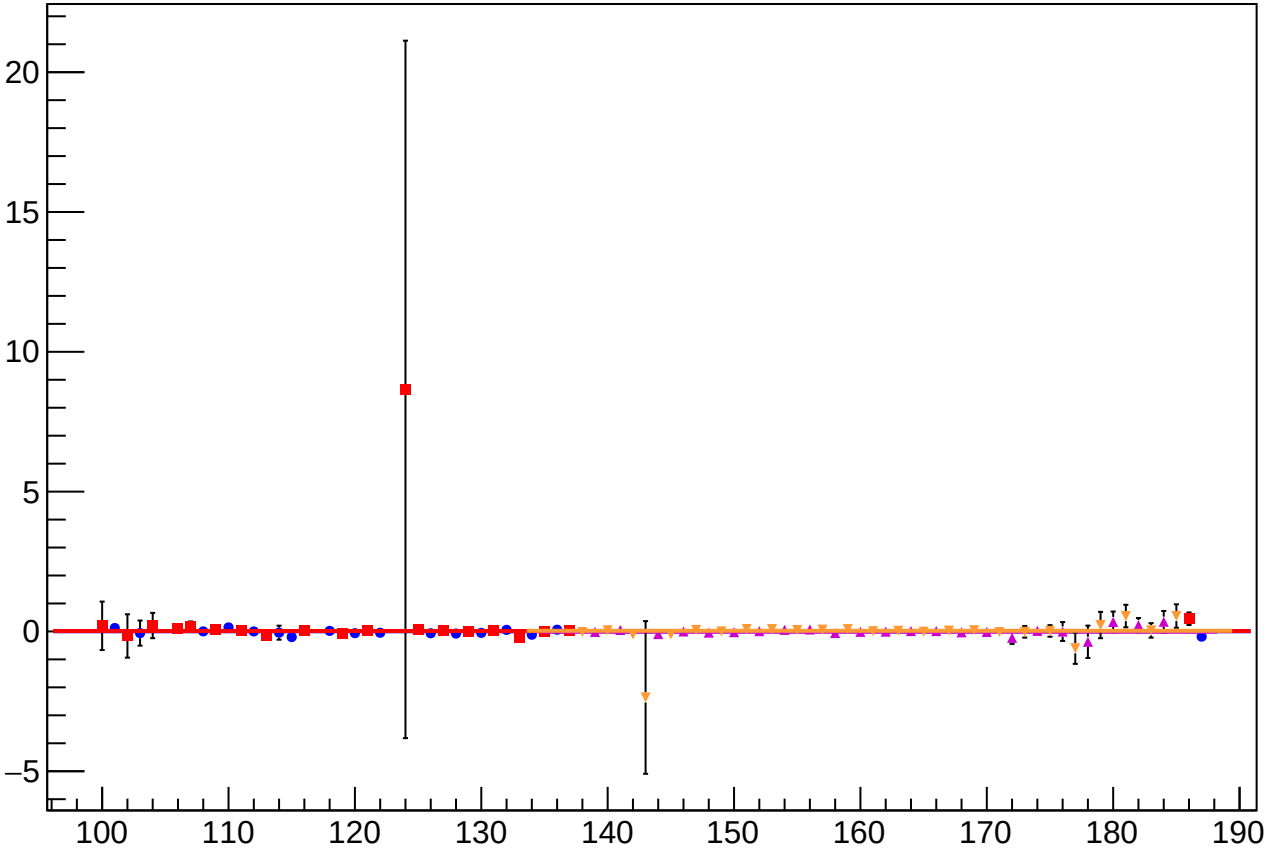
Right: 0.000+/-0.000 χ^2/NDF: 5314675.3/36

In: 0.000+/-0.000 χ^2/NDF:5369102.8/39

Out: 0.000+/-0.000 χ^2/NDF:6835385.2/44

All: 0.000+/-0.000 χ^2/NDF: 12480655.5/84

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

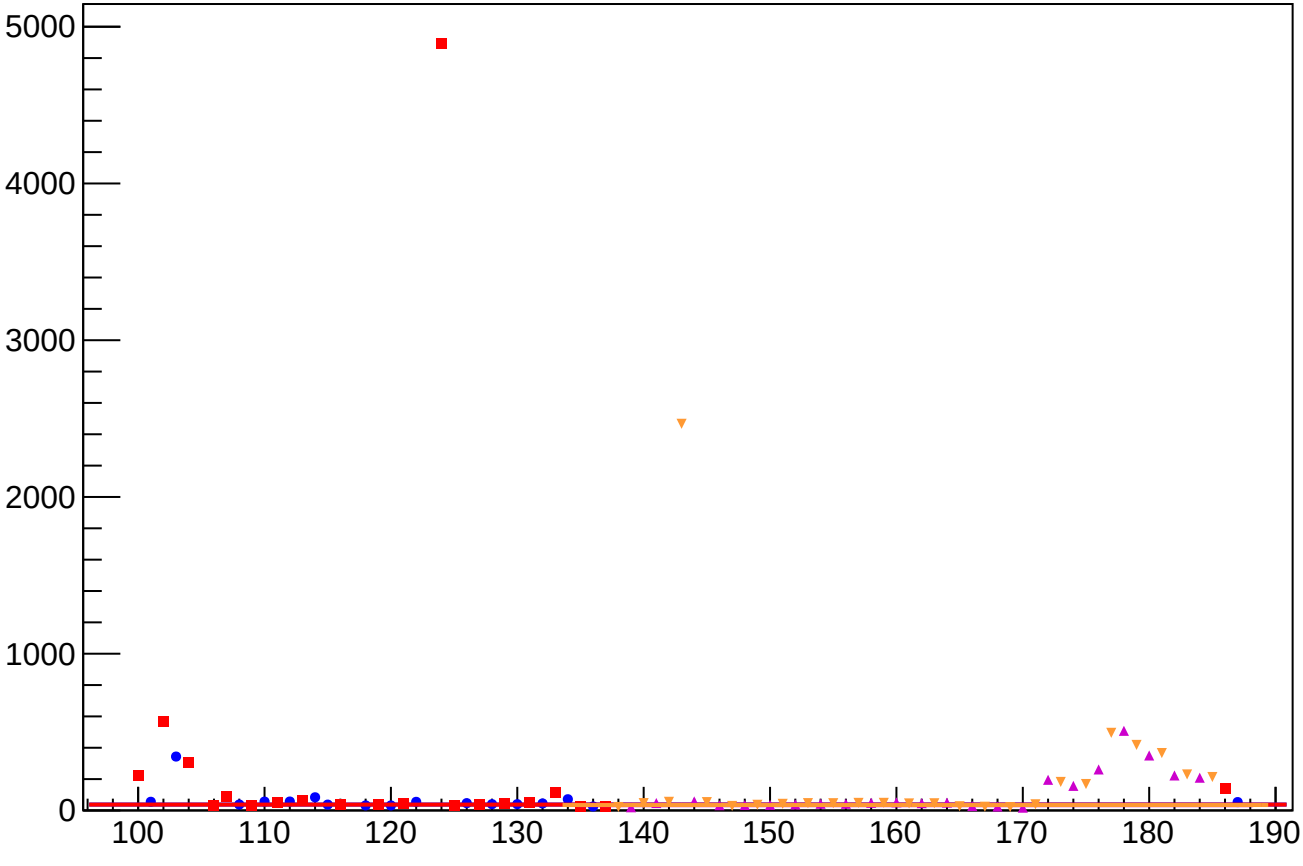
Right: 0.010+/-0.011 χ^2/NDF: 38.1/36

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.007+/-0.006 χ^2/NDF: 81.2/84

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

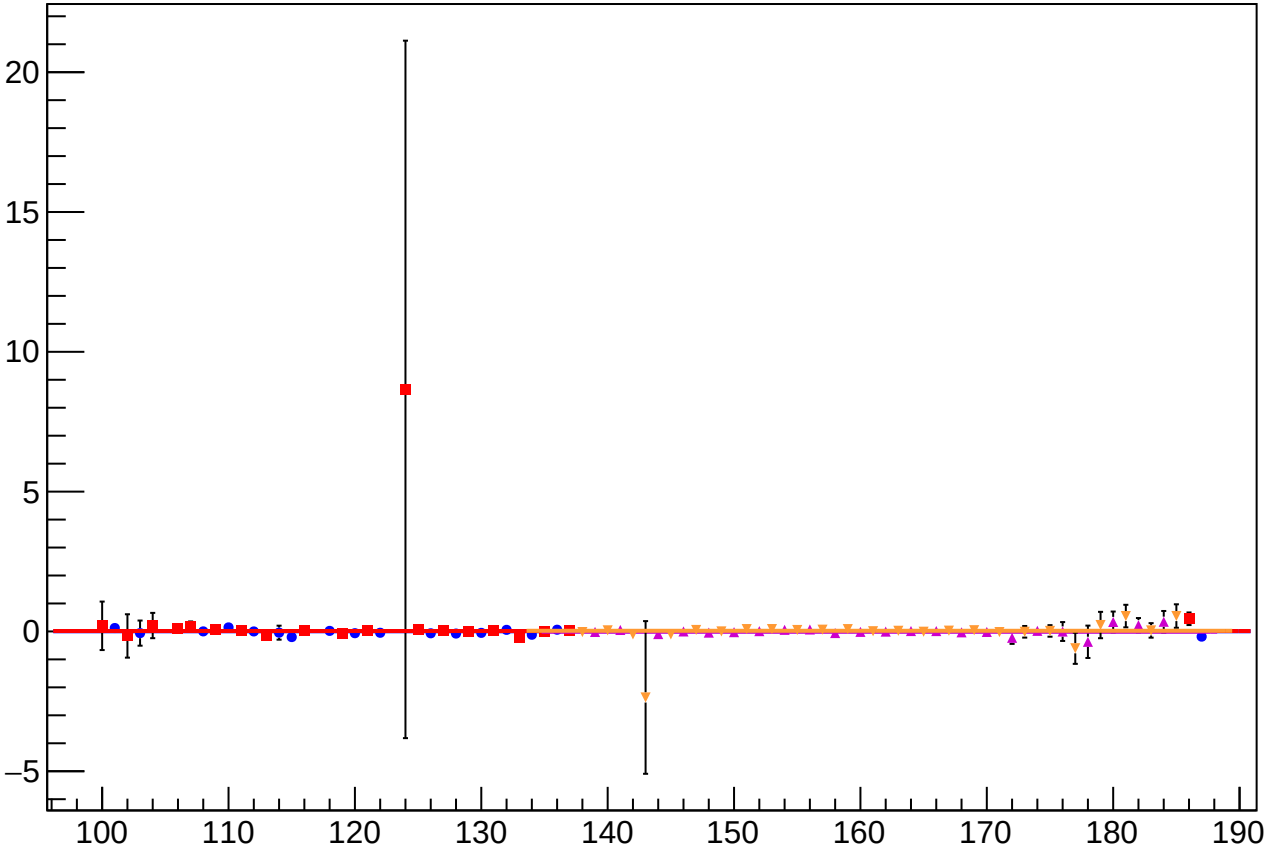
Right: 37.552+/-0.008 χ^2/NDF: 5646850.6/36

In: 34.754+/-0.006 χ^2/NDF:12179615.1/39

Out: 35.371+/-0.006 χ^2/NDF:15073238.9/44

All: 35.053+/-0.004 χ^2/NDF: 27258036.2/84

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

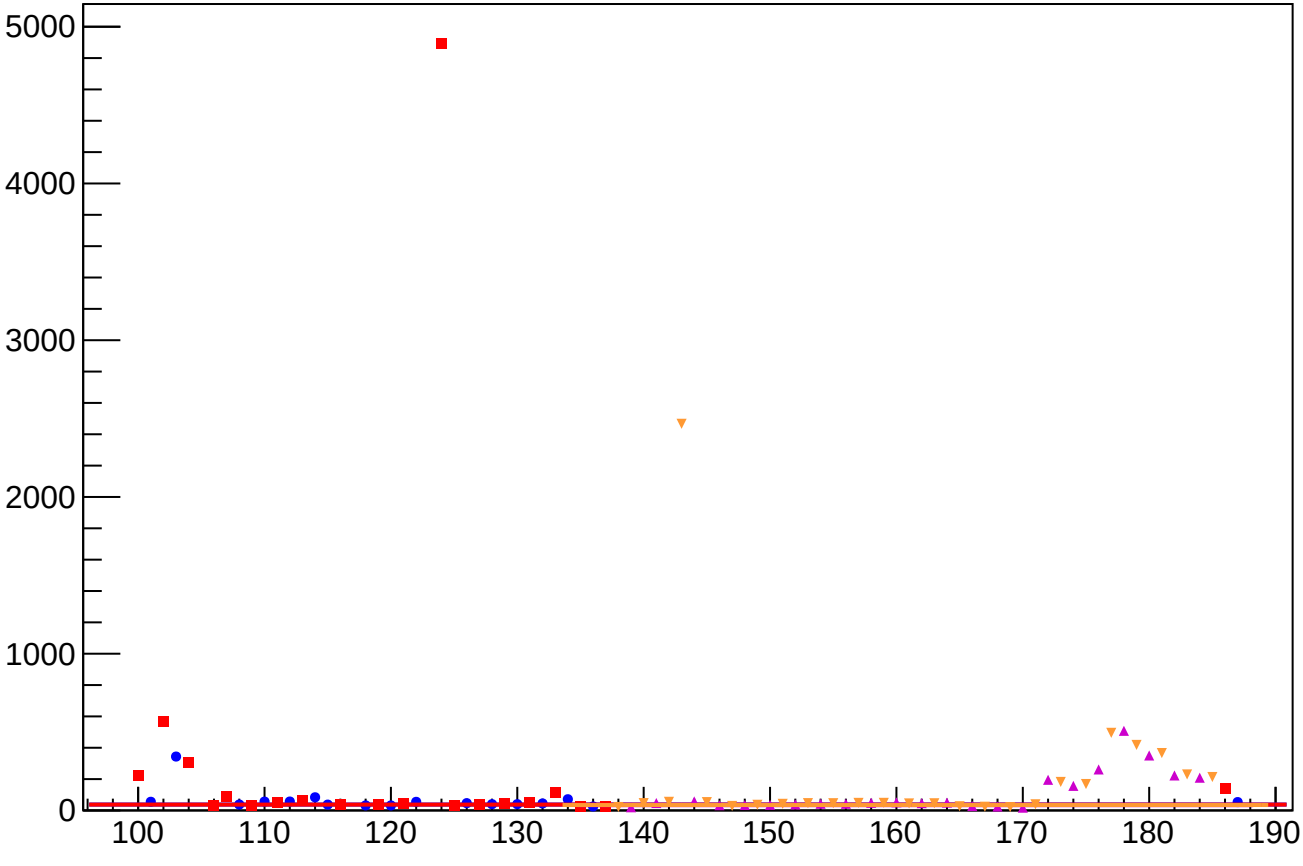
Right: 0.010+/-0.011 χ^2/NDF: 38.1/36

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.007+/-0.006 χ^2/NDF: 81.2/84

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

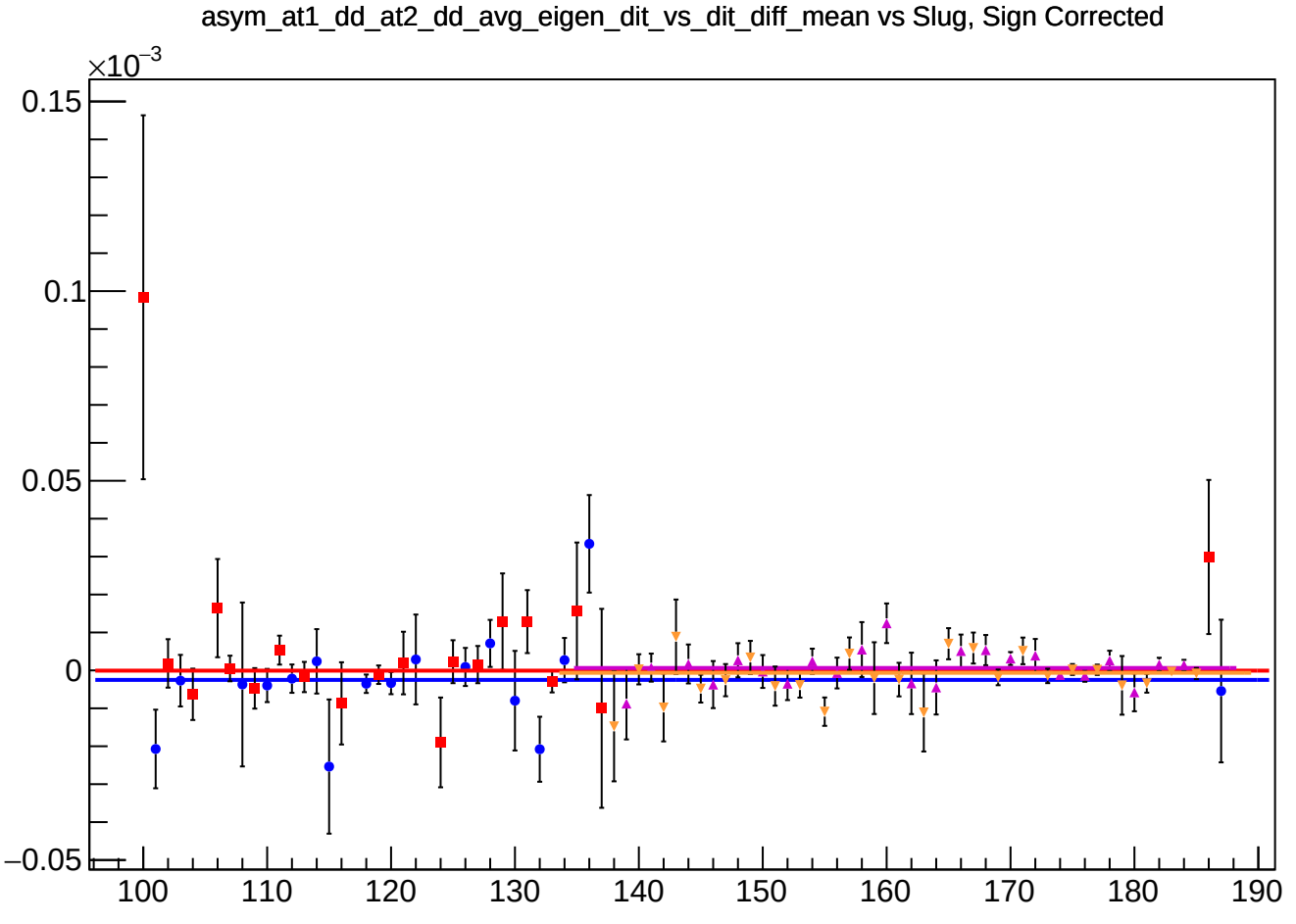
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.552+/-0.008 χ^2/NDF: 5646850.6/36

In: 34.754+/-0.006 χ^2/NDF:12179615.1/39

Out: 35.371+/-0.006 χ^2/NDF:15073238.9/44

All: 35.053+/-0.004 χ^2/NDF: 27258036.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

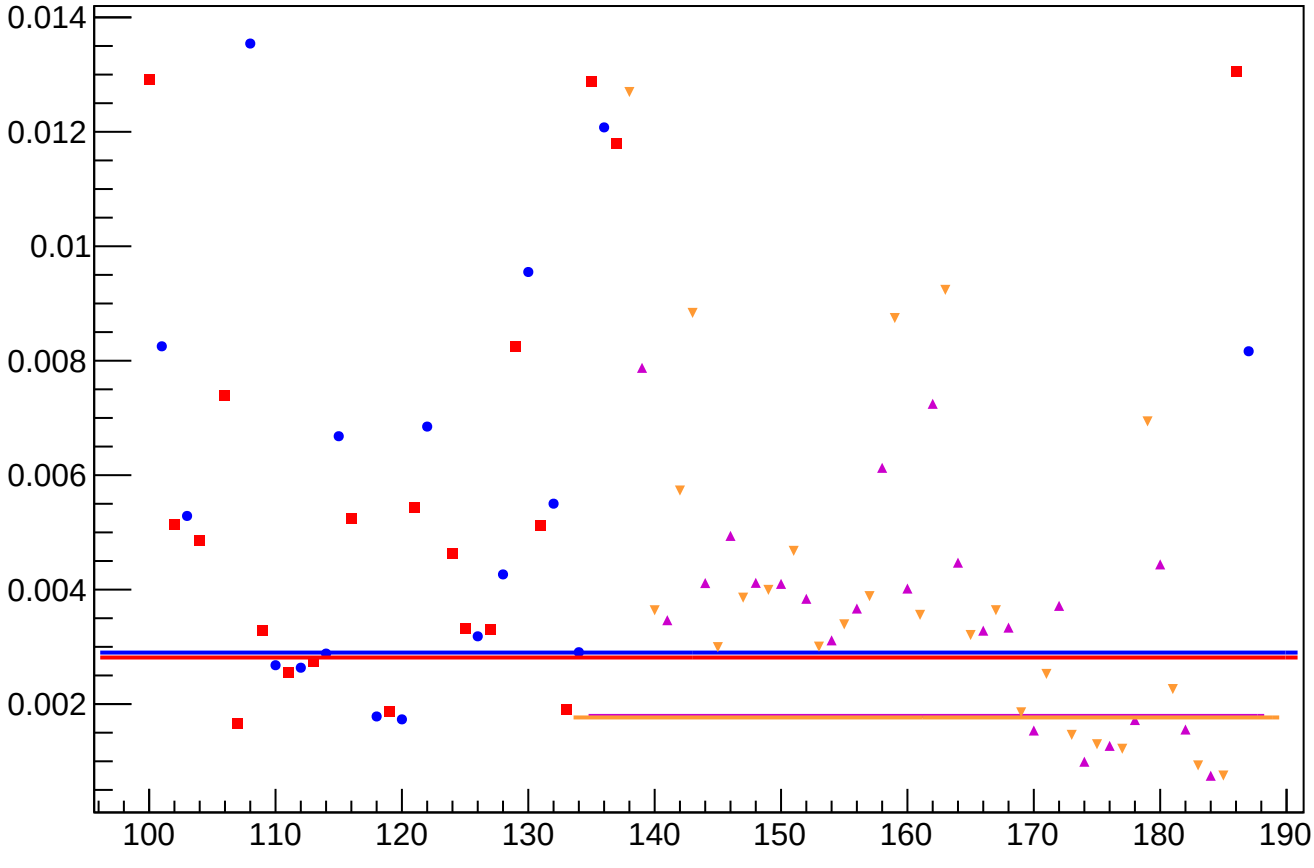
Right: -0.000+/-0.000 χ^2/NDF: 44.9/36

In: 0.000+/-0.000 χ^2/NDF:48.8/39

Out: -0.000+/-0.000 χ^2/NDF:49.6/44

All: -0.000+/-0.000 χ^2/NDF: 99.5/84

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: 4309586.2/16

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3821461.6/19

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

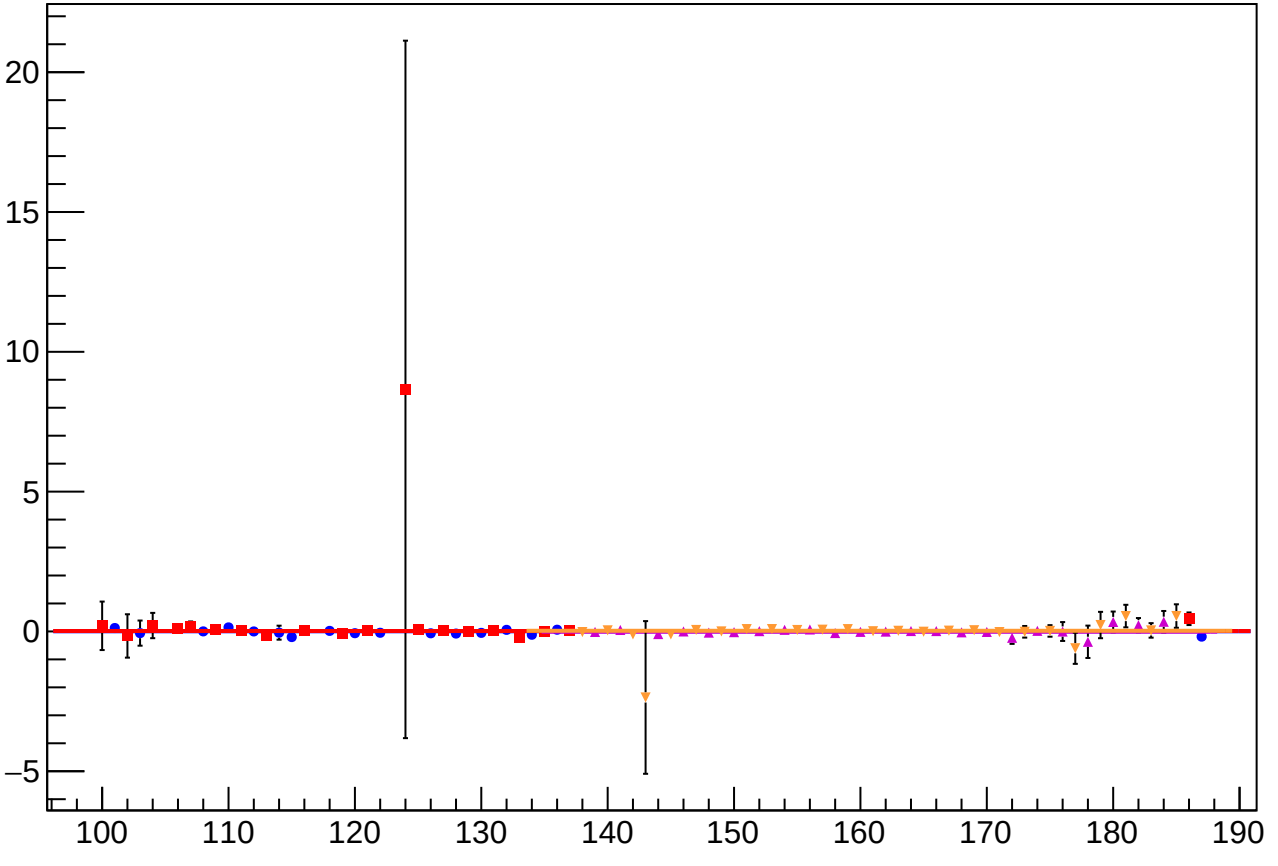
Right: 0.003+/-0.000 χ^2/NDF: 8135899.4/36

In: 0.002+/-0.000 χ^2/NDF:16306307.4/39

Out: 0.002+/-0.000 χ^2/NDF:18089679.1/44

All: 0.002+/-0.000 χ^2/NDF: 34398340.0/84

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

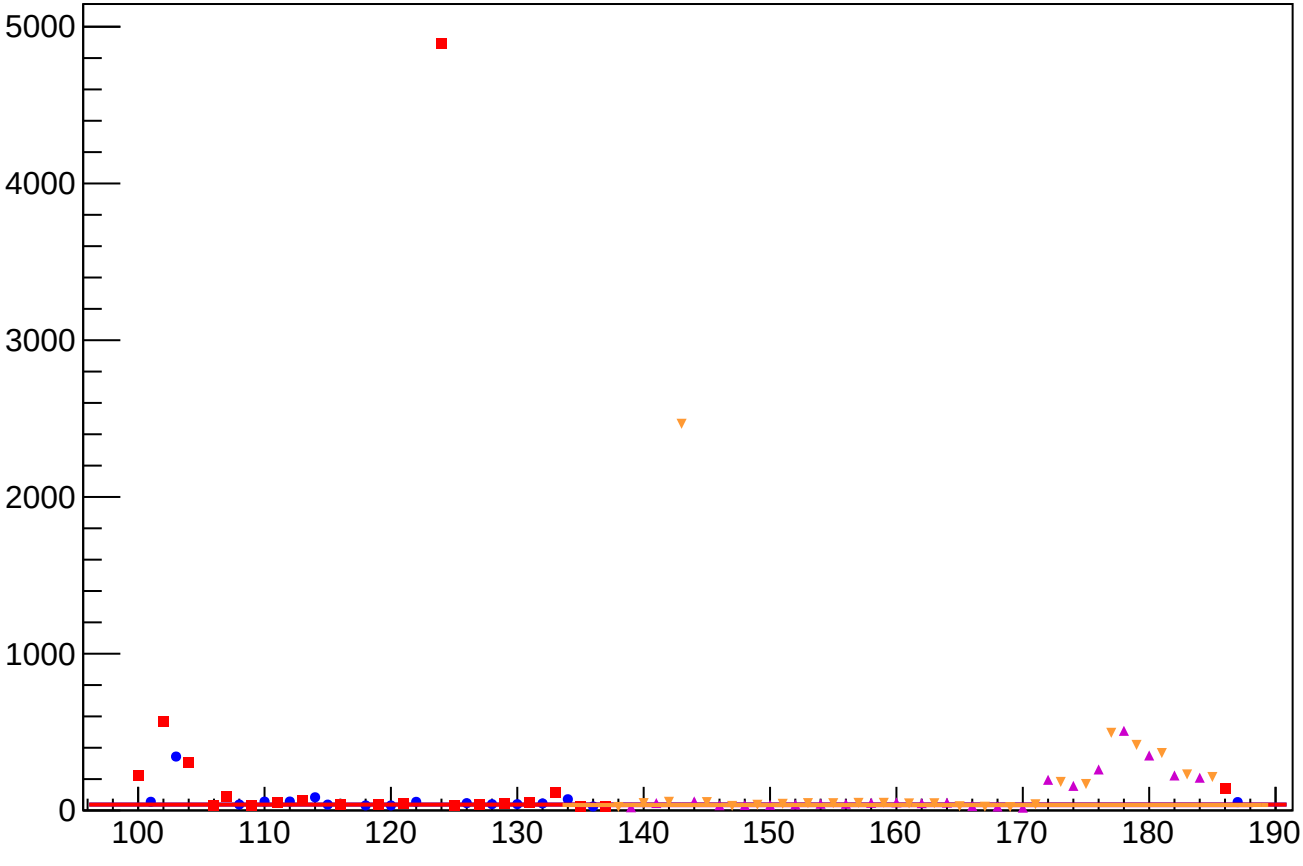
Right: 0.010+/-0.011 χ^2/NDF: 38.1/36

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.007+/-0.006 χ^2/NDF: 81.2/84

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

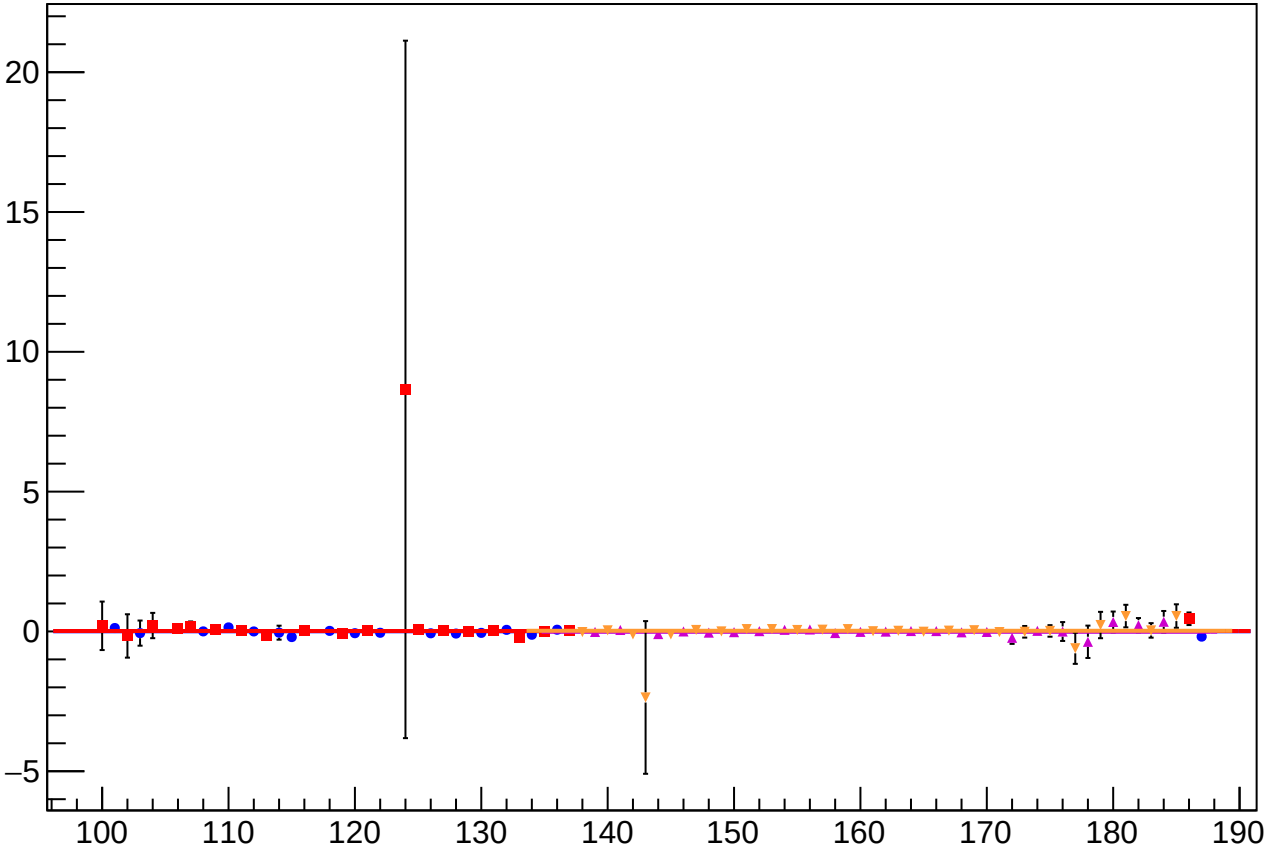
Right: 37.553+/-0.008 χ^2/NDF: 5646490.3/36

In: 34.756+/-0.006 χ^2/NDF:12178208.0/39

Out: 35.370+/-0.006 χ^2/NDF:15073126.4/44

All: 35.054+/-0.004 χ^2/NDF: 27256480.7/84

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

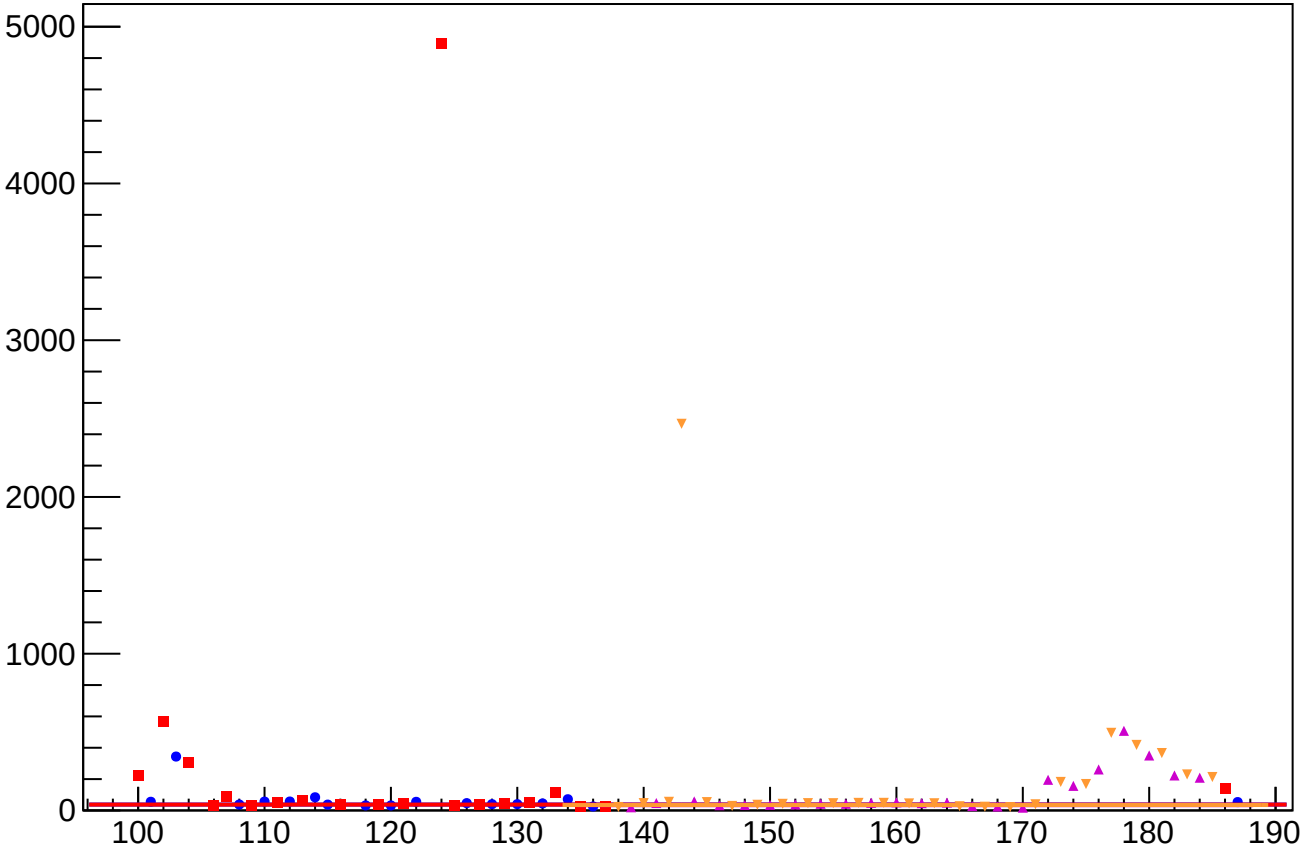
Right: 0.010+/-0.011 χ^2/NDF: 38.1/36

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.007+/-0.006 χ^2/NDF: 81.2/84

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

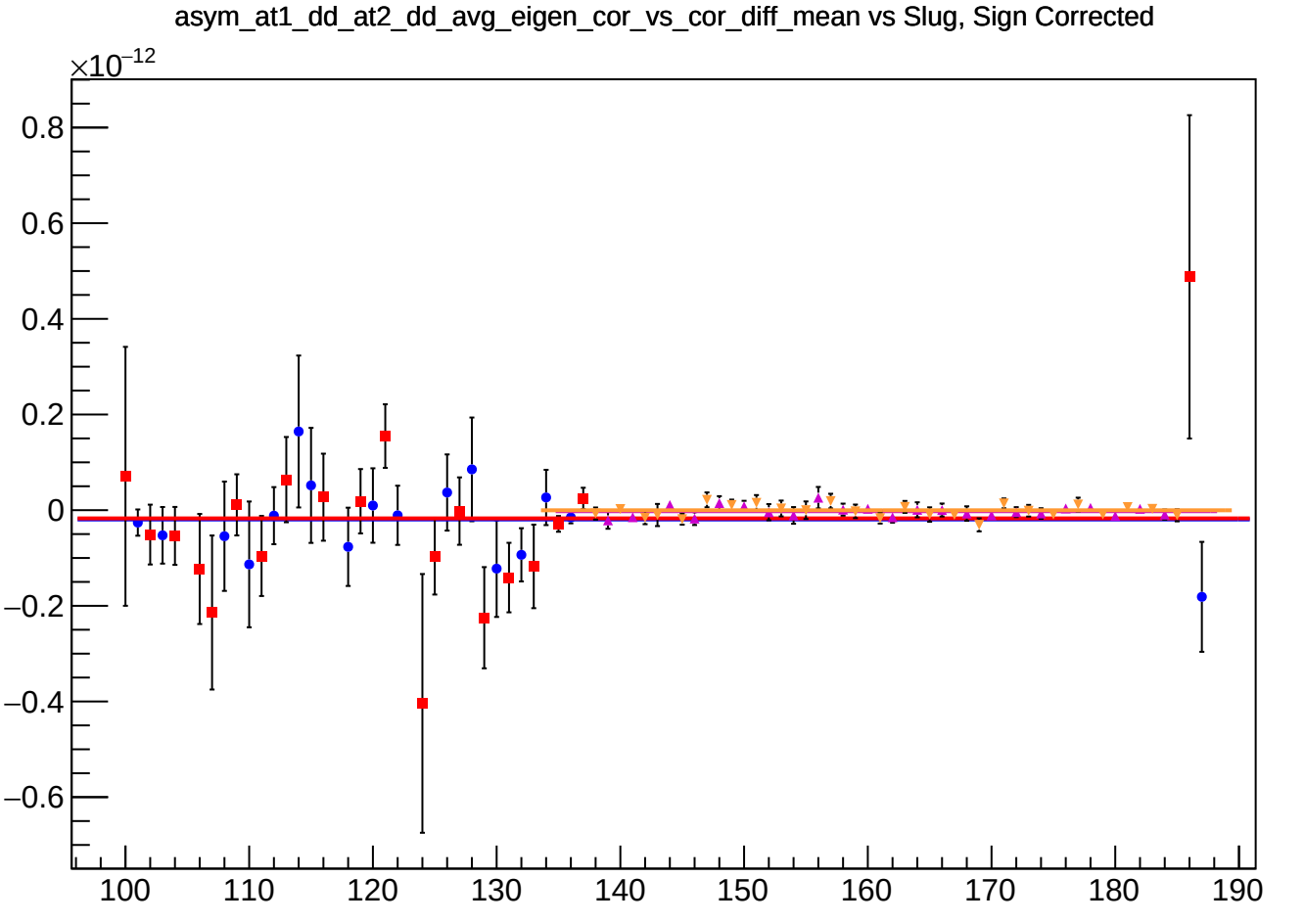
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 37.553+/-0.008 χ^2/NDF: 5646490.3/36

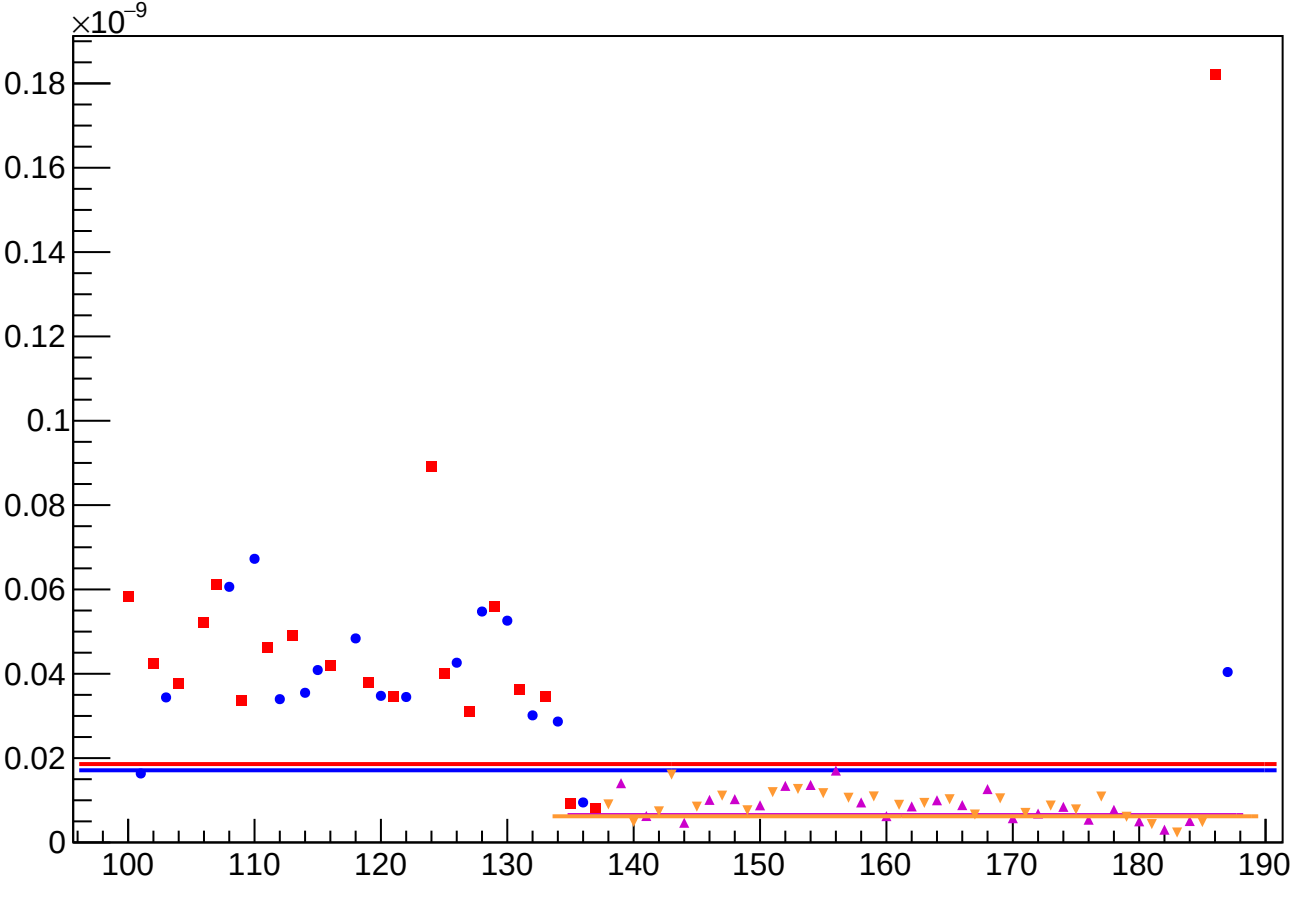
In: 34.756+/-0.006 χ^2/NDF:12178208.0/39

Out: 35.370+/-0.006 χ^2/NDF:15073126.4/44

All: 35.054+/-0.004 χ^2/NDF: 27256480.7/84


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.3/16
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.5/19
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 39.8/36
In: -0.000+/-0.000 χ²/NDF:33.2/39
Out: -0.000+/-0.000 χ²/NDF:57.8/44
All: -0.000+/-0.000 χ²/NDF: 91.6/84

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3290674.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4142818.5/19

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

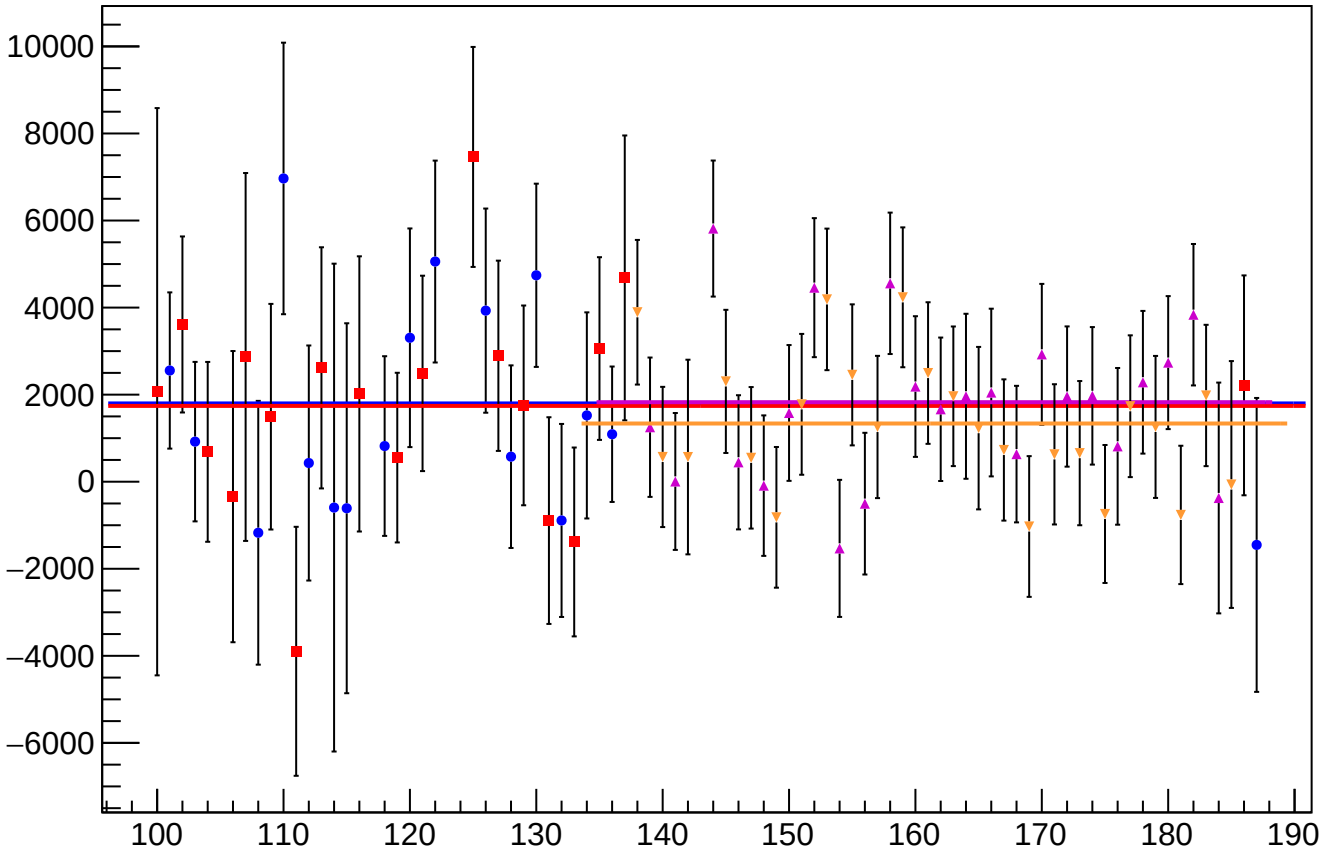
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7453277.8/36

In: 0.000+/-0.000 χ^2/NDF:9503961.9/39

Out: 0.000+/-0.000 χ^2/NDF:11655273.3/44

All: 0.000+/-0.000 χ^2/NDF: 21190192.5/84



Right In: 1798.080+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1741.628+/-574.088 χ^2/NDF: 16.0/18

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

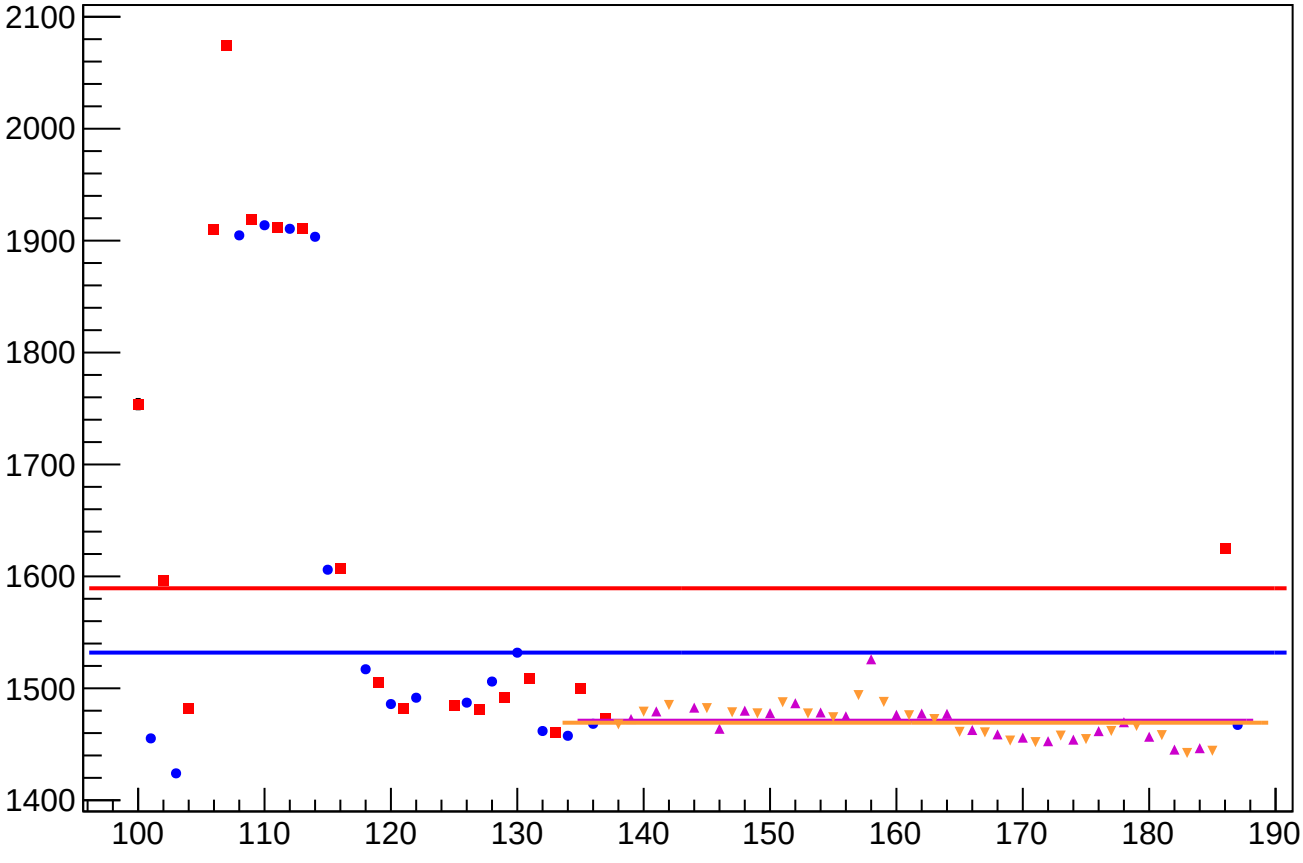
Right: 1770.344+/-402.399 χ^2/NDF: 29.2/35

In: 1818.887+/-293.389 χ^2/NDF:39.6/39

Out: 1442.540+/-293.188 χ^2/NDF:35.6/42

All: 1630.584+/-207.386 χ^2/NDF: 76.0/82

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.3/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1589.388+/-0.406 χ^2/NDF: 172401.9/18

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

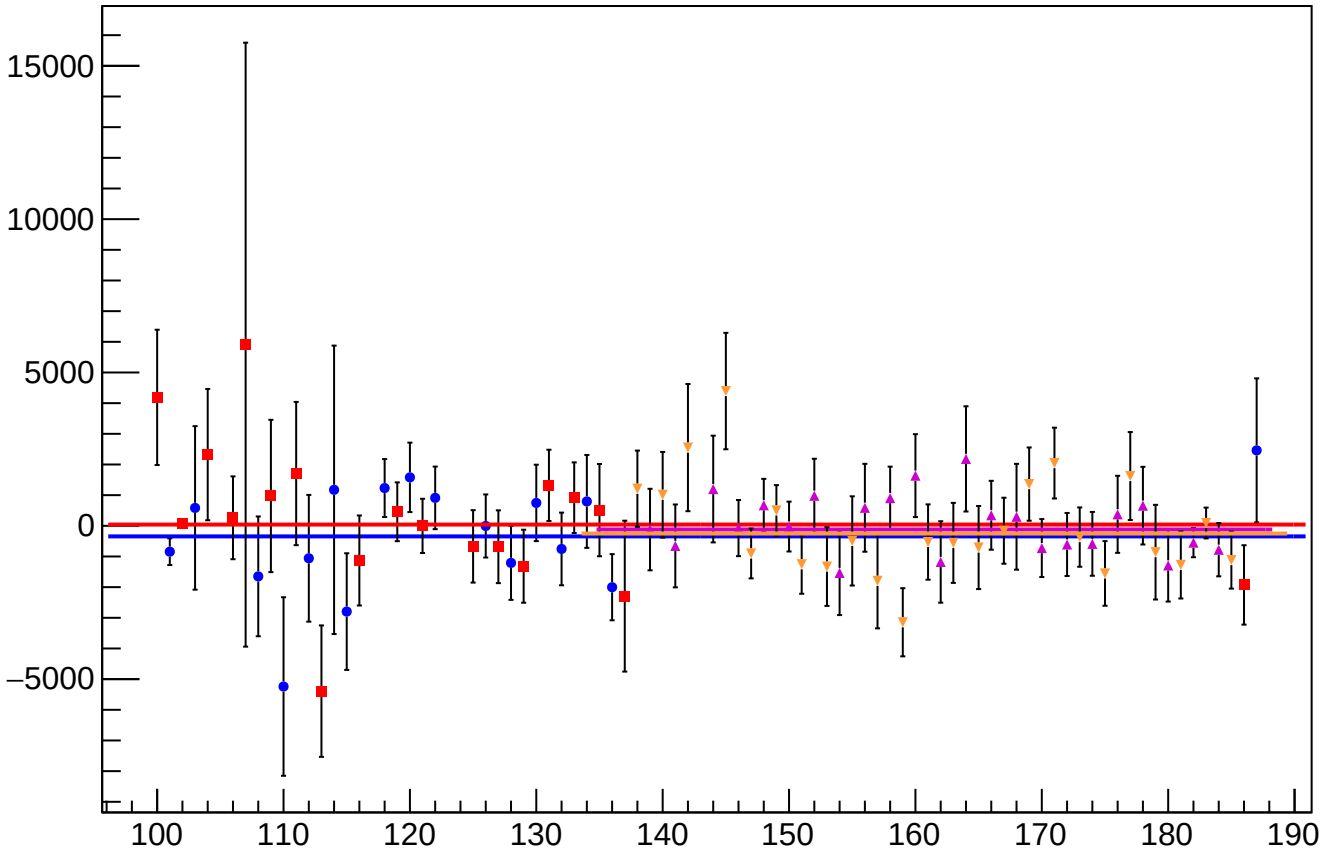
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1560.152+/-0.285 χ^2/NDF: 312624.1/35

In: 1487.511+/-0.207 χ^2/NDF:151646.9/39

Out: 1500.596+/-0.207 χ^2/NDF:240281.7/42

All: 1494.058+/-0.147 χ^2/NDF: 393919.1/82



Right In: -345.077+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 40.812+/-127.084 χ^2/NDF: 20.1/18

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

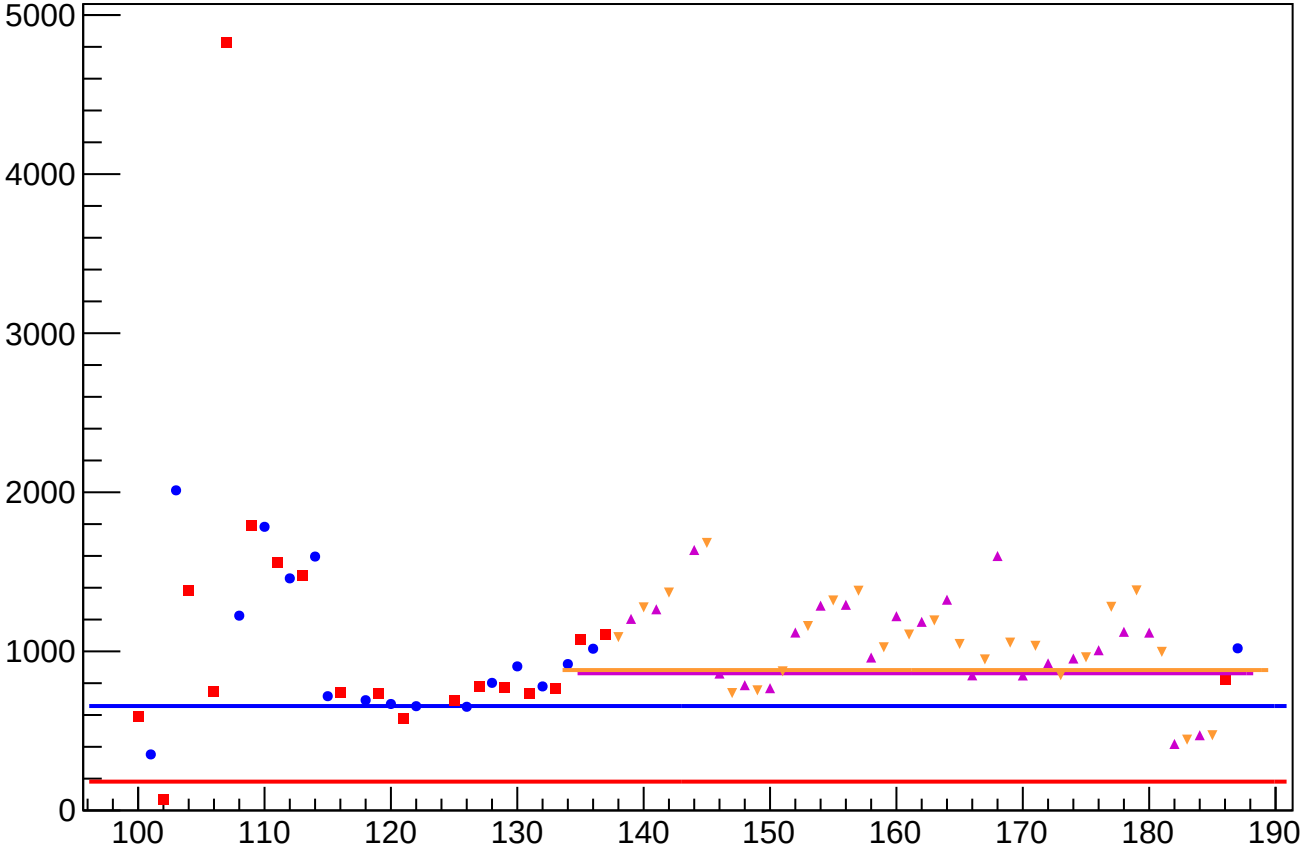
Right: -29.005+/-115.014 χ^2/NDF: 41.4/35

In: -207.544+/-168.753 χ^2/NDF:32.9/39

Out: -33.170+/-109.837 χ^2/NDF:54.2/42

All: -85.060+/-92.056 χ^2/NDF: 87.8/82

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 656.399+/-0.191 χ^2/NDF: 2811043.2/16

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 181.174+/-0.090 χ^2/NDF: 10262438.1/18

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

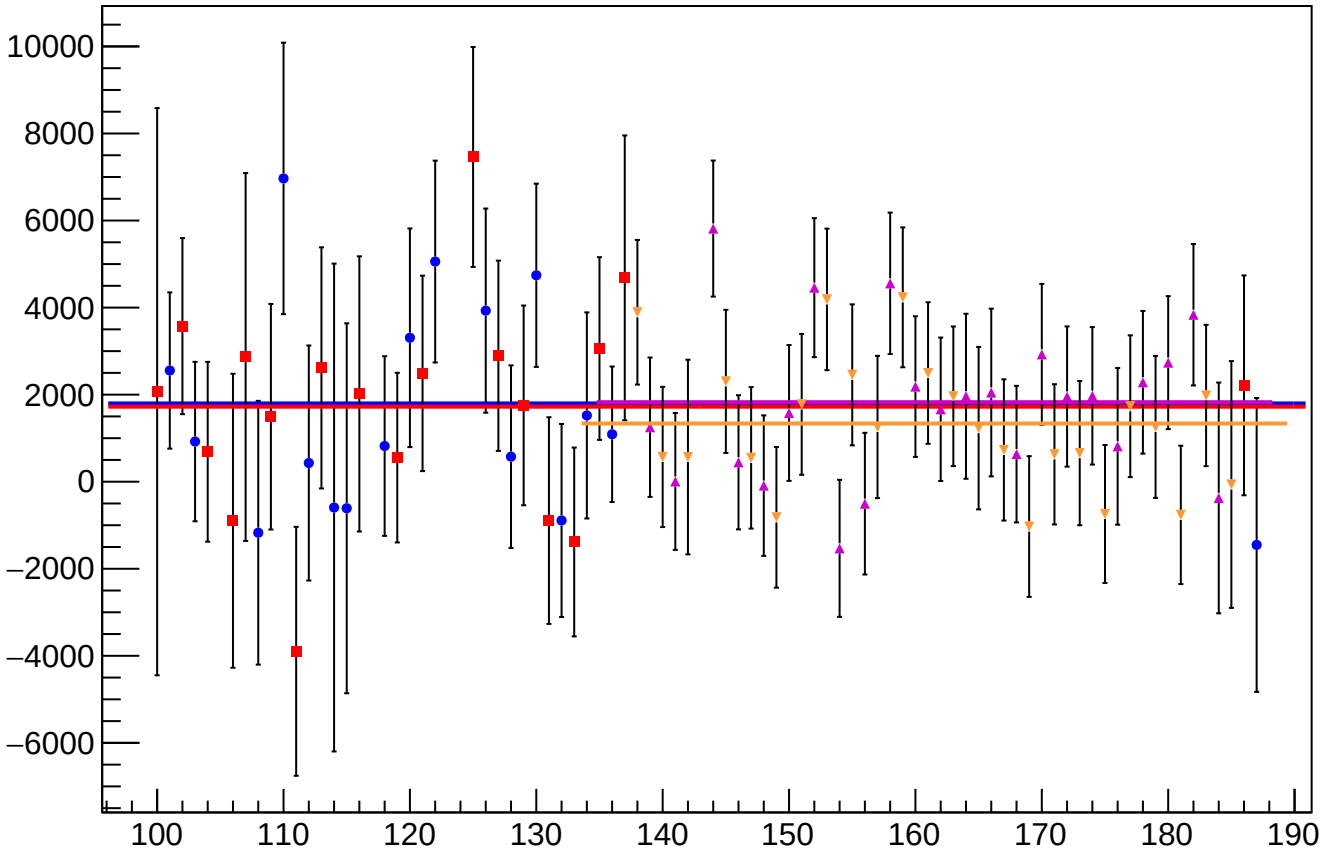
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 267.154+/-0.081 χ^2/NDF: 18133425.5/35

In: 782.103+/-0.119 χ^2/NDF:7888444.4/39

Out: 358.591+/-0.078 χ^2/NDF:29570825.1/42

All: 484.618+/-0.065 χ^2/NDF: 46307562.2/82



Right In: 1798.173+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1723.683+/-574.255 χ^2/NDF: 16.2/18

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

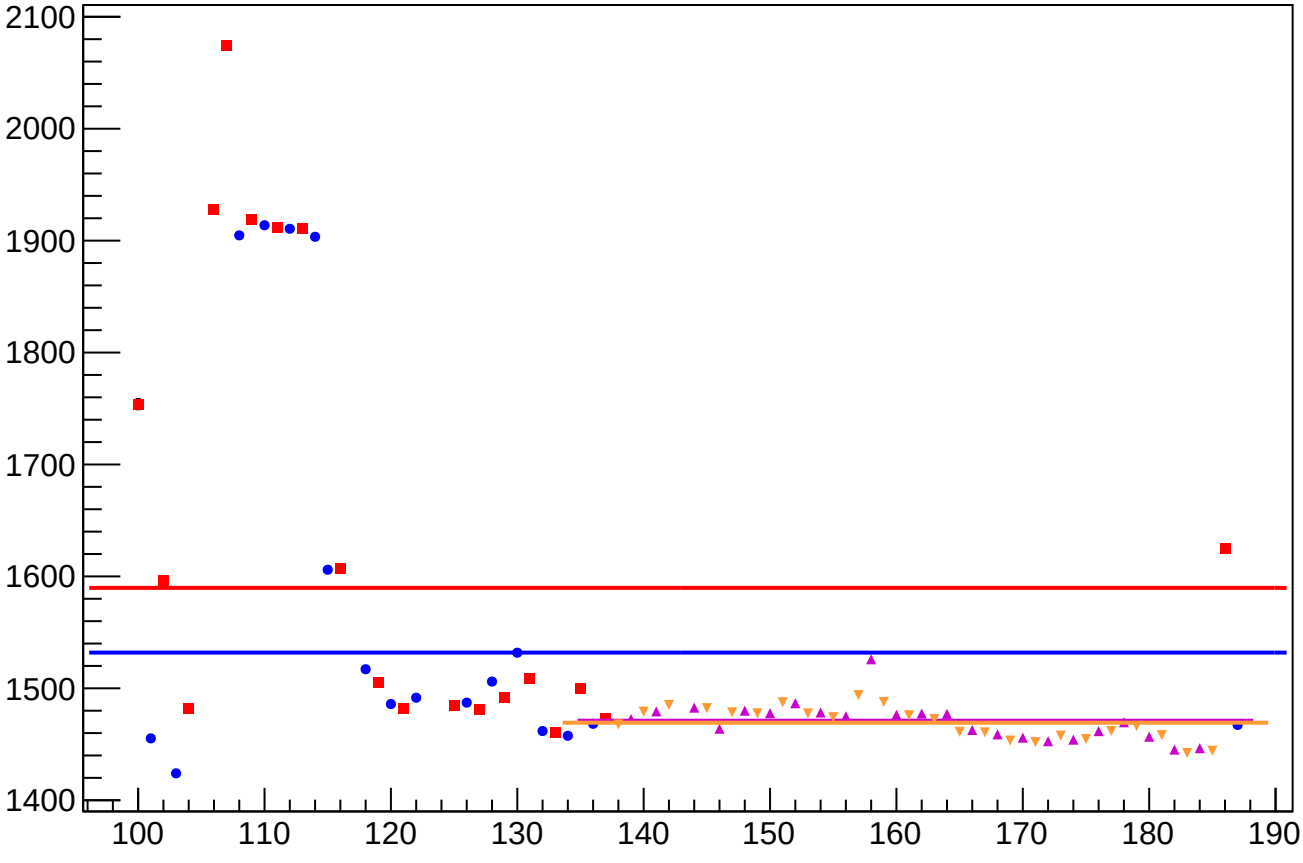
Right: 1761.586+/-402.456 χ^2/NDF: 29.4/35

In: 1818.945+/-293.389 χ^2/NDF:39.6/39

Out: 1437.824+/-293.210 χ^2/NDF:35.7/42

All: 1628.268+/-207.394 χ^2/NDF: 76.2/82

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.2/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1589.755+/-0.406 χ^2/NDF: 174172.0/18

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

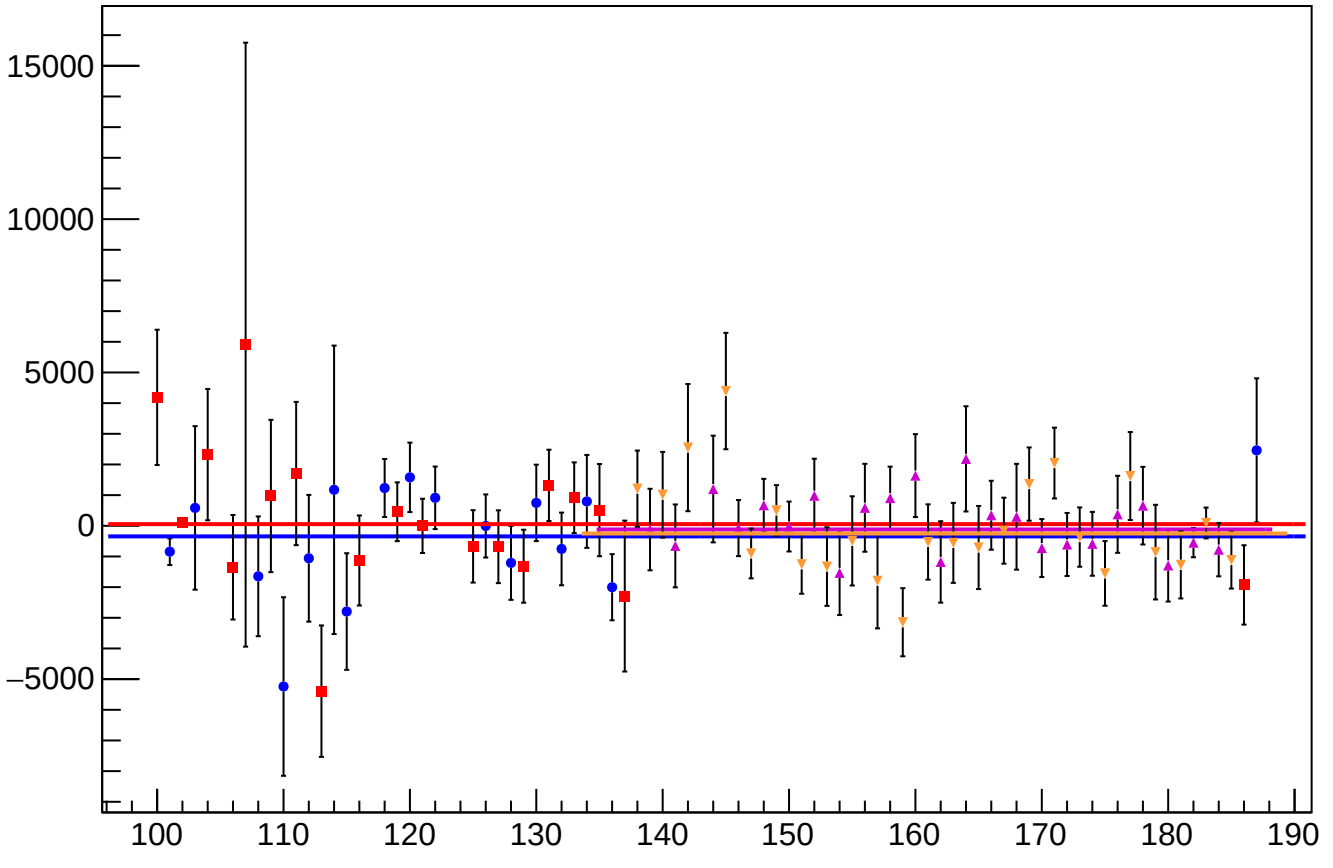
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1560.324+/-0.285 χ^2/NDF: 314521.5/35

In: 1487.511+/-0.207 χ^2/NDF:151646.8/39

Out: 1500.678+/-0.207 χ^2/NDF:242418.9/42

All: 1494.099+/-0.147 χ^2/NDF: 396081.2/82



Right In: -345.044+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 54.182+/-137.357 χ^2/NDF: 20.9/18

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

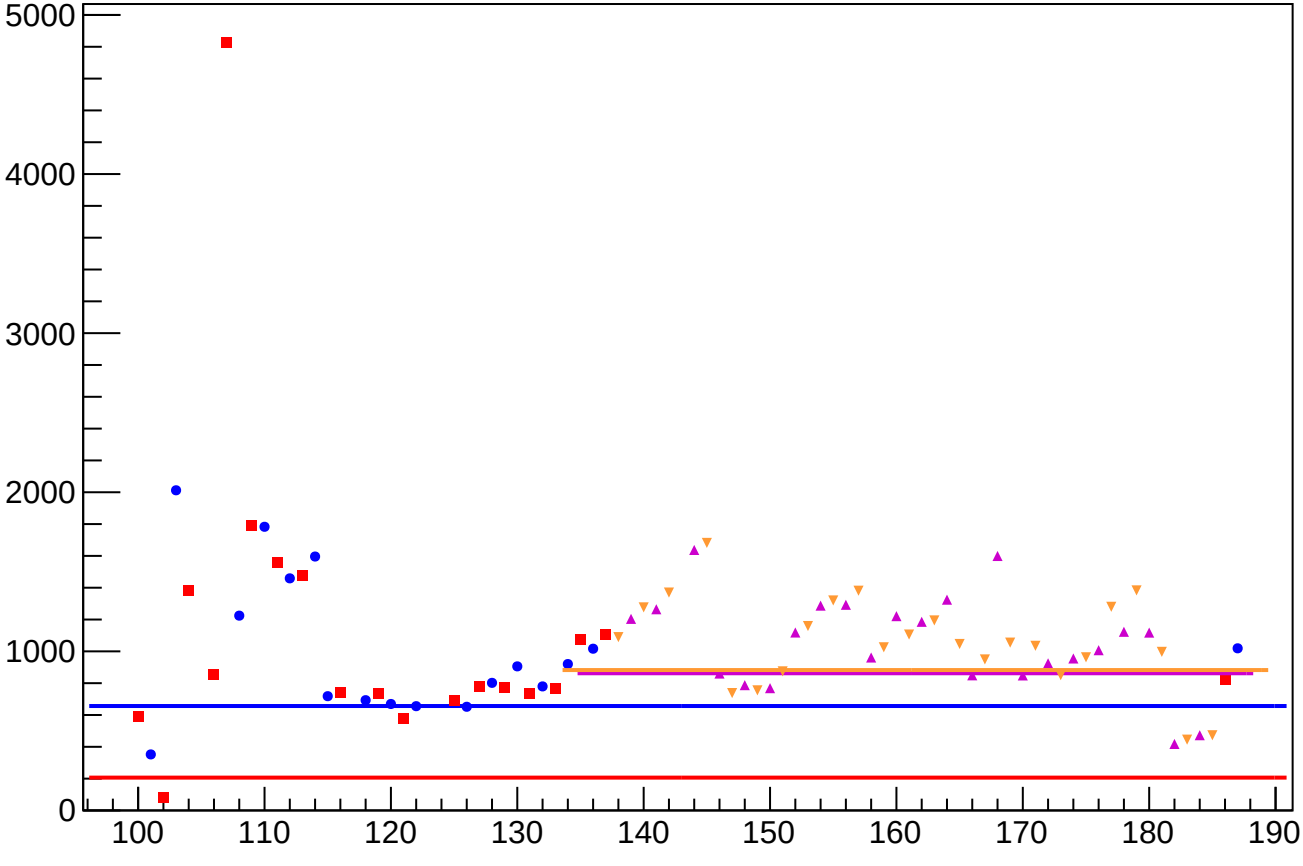
Right: -27.706+/-122.463 χ^2/NDF: 42.2/35

In: -207.558+/-168.753 χ^2/NDF:32.9/39

Out: -32.503+/-116.268 χ^2/NDF:55.0/42

All: -88.852+/-95.743 χ^2/NDF: 88.6/82

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 656.397+/-0.191 χ^2/NDF: 2811066.9/16

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 206.400+/-0.097 χ^2/NDF: 9748320.9/18

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

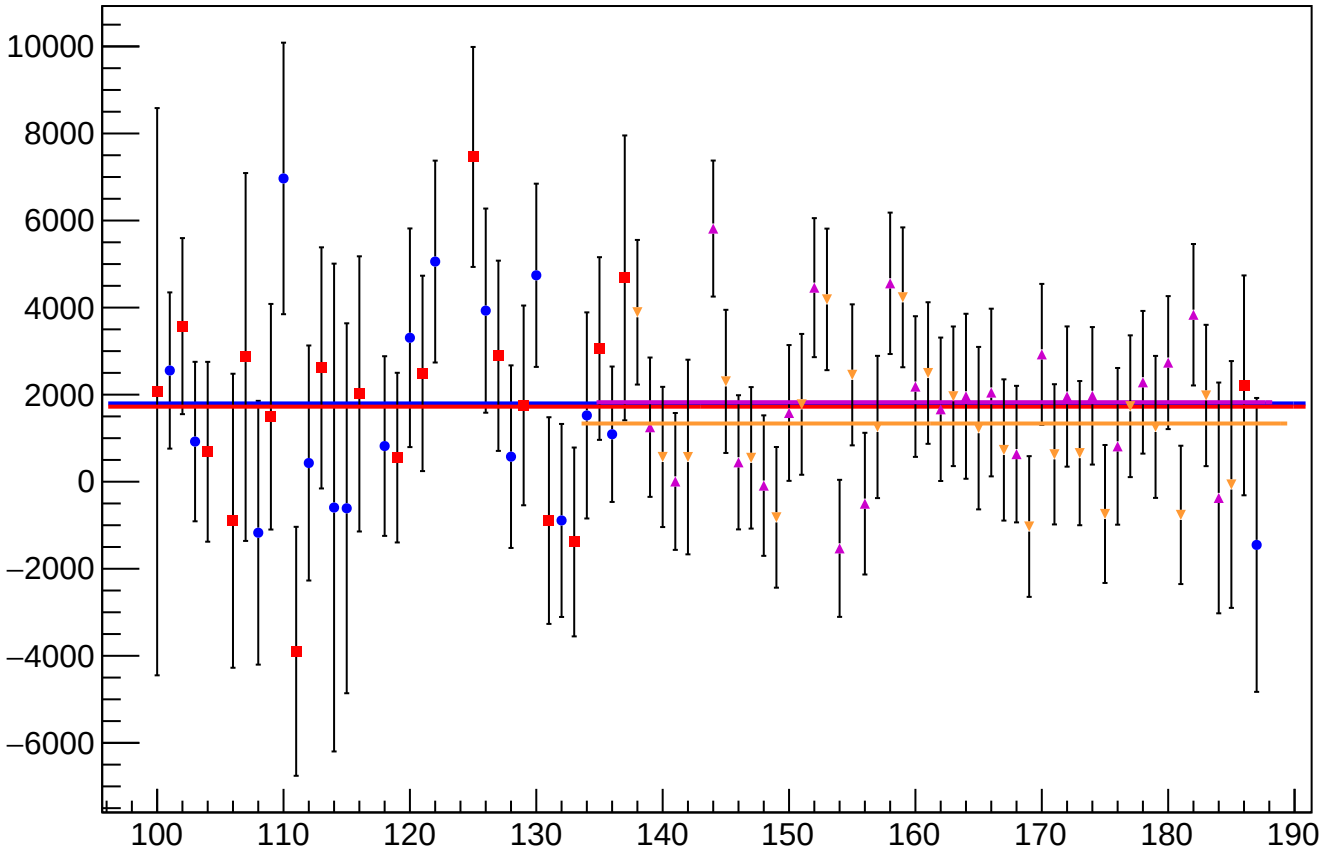
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 298.702+/-0.087 χ^2/NDF: 16962375.0/35

In: 782.103+/-0.119 χ^2/NDF:7888503.4/39

Out: 398.048+/-0.082 χ^2/NDF:27383723.6/42

All: 521.674+/-0.068 χ^2/NDF: 42296638.5/82



Right In: 1798.173+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1723.683+/-574.255 χ^2/NDF: 16.2/18

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

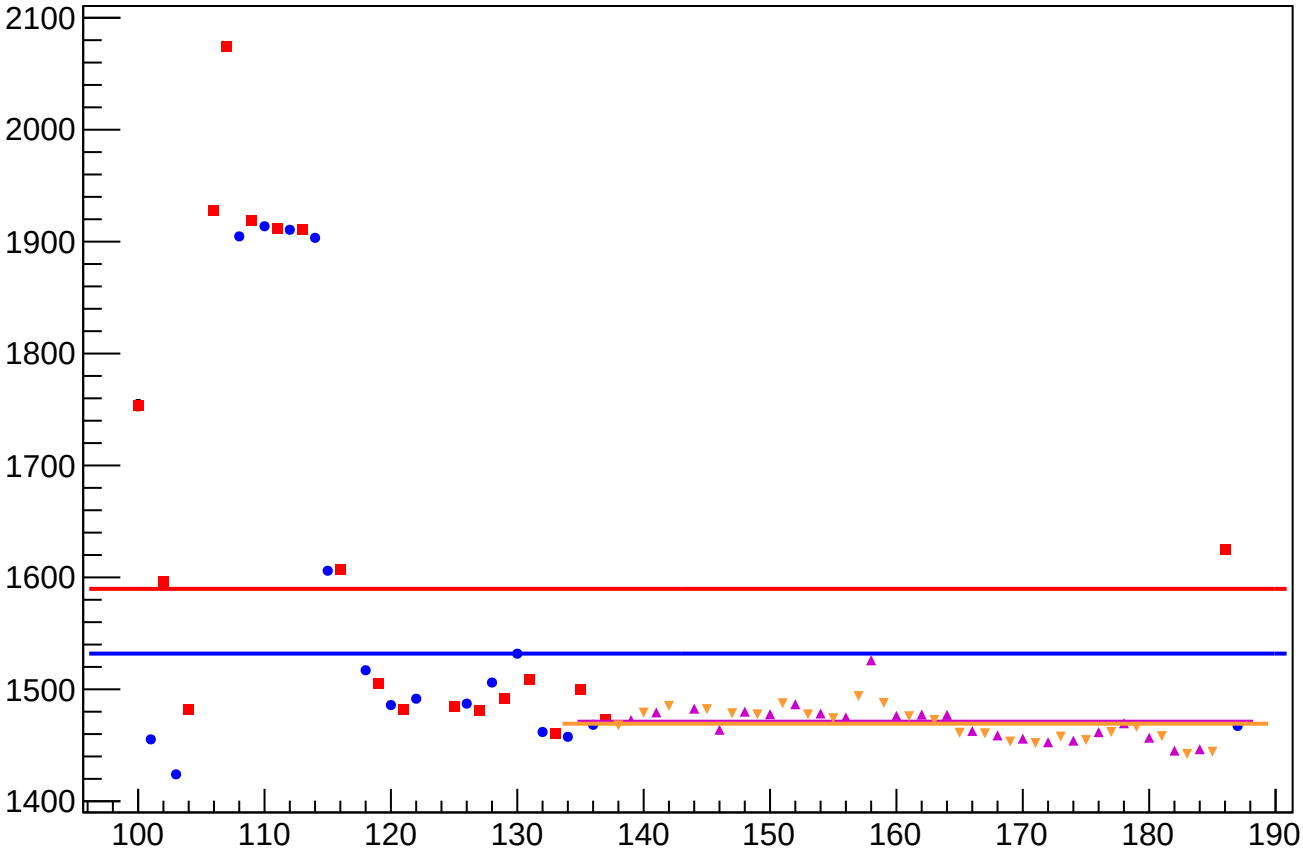
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1761.586+/-402.456 χ^2/NDF: 29.4/35

In: 1818.945+/-293.389 χ^2/NDF:39.6/39

Out: 1437.824+/-293.210 χ^2/NDF:35.7/42

All: 1628.268+/-207.394 χ^2/NDF: 76.2/82



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.2/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1589.755+/-0.406 χ^2/NDF: 174172.0/18

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

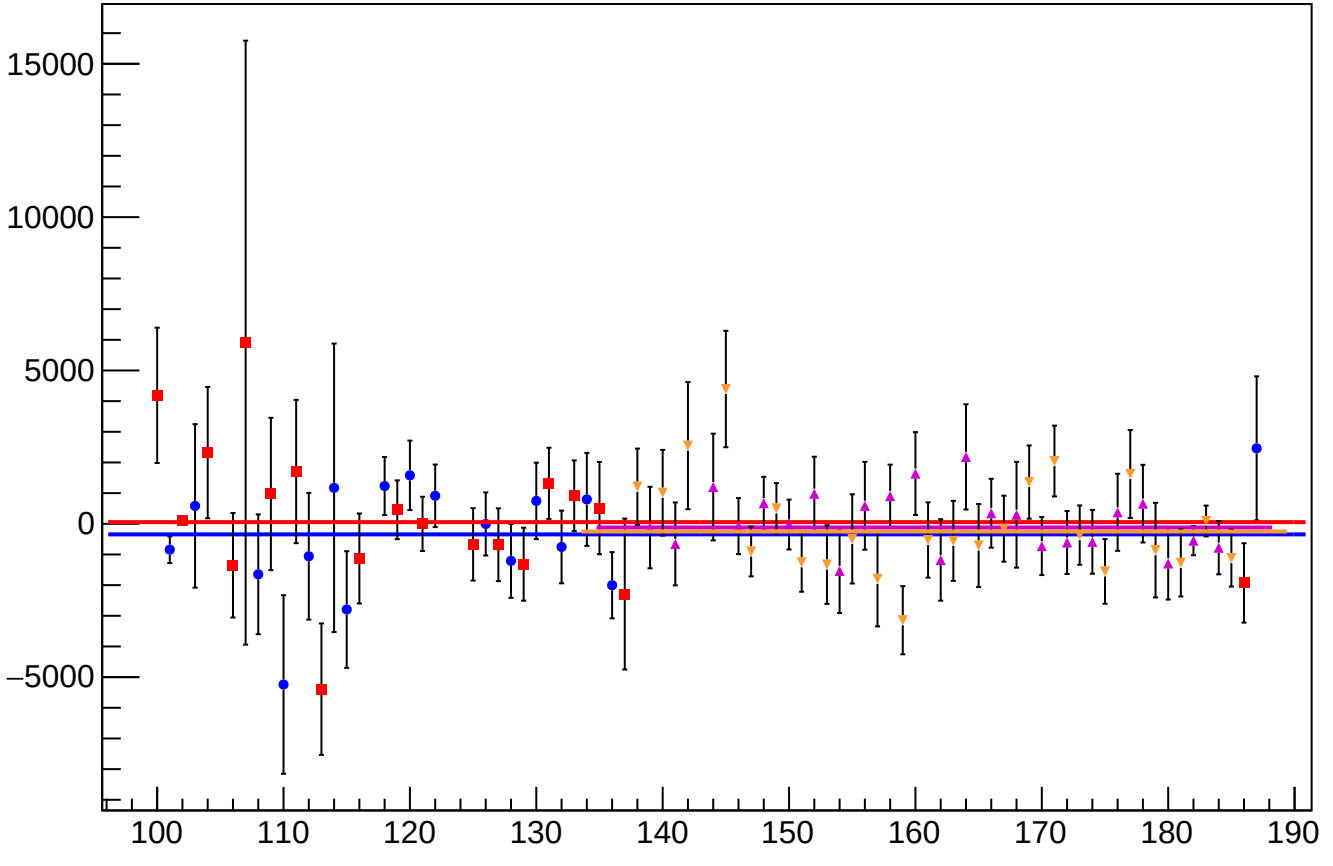
Right: 1560.324+/-0.285 χ^2/NDF: 314521.5/35

In: 1487.511+/-0.207 χ^2/NDF:151646.8/39

Out: 1500.678+/-0.207 χ^2/NDF:242418.9/42

All: 1494.099+/-0.147 χ^2/NDF: 396081.2/82

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -345.044+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 54.182+/-137.357 χ^2/NDF: 20.9/18

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

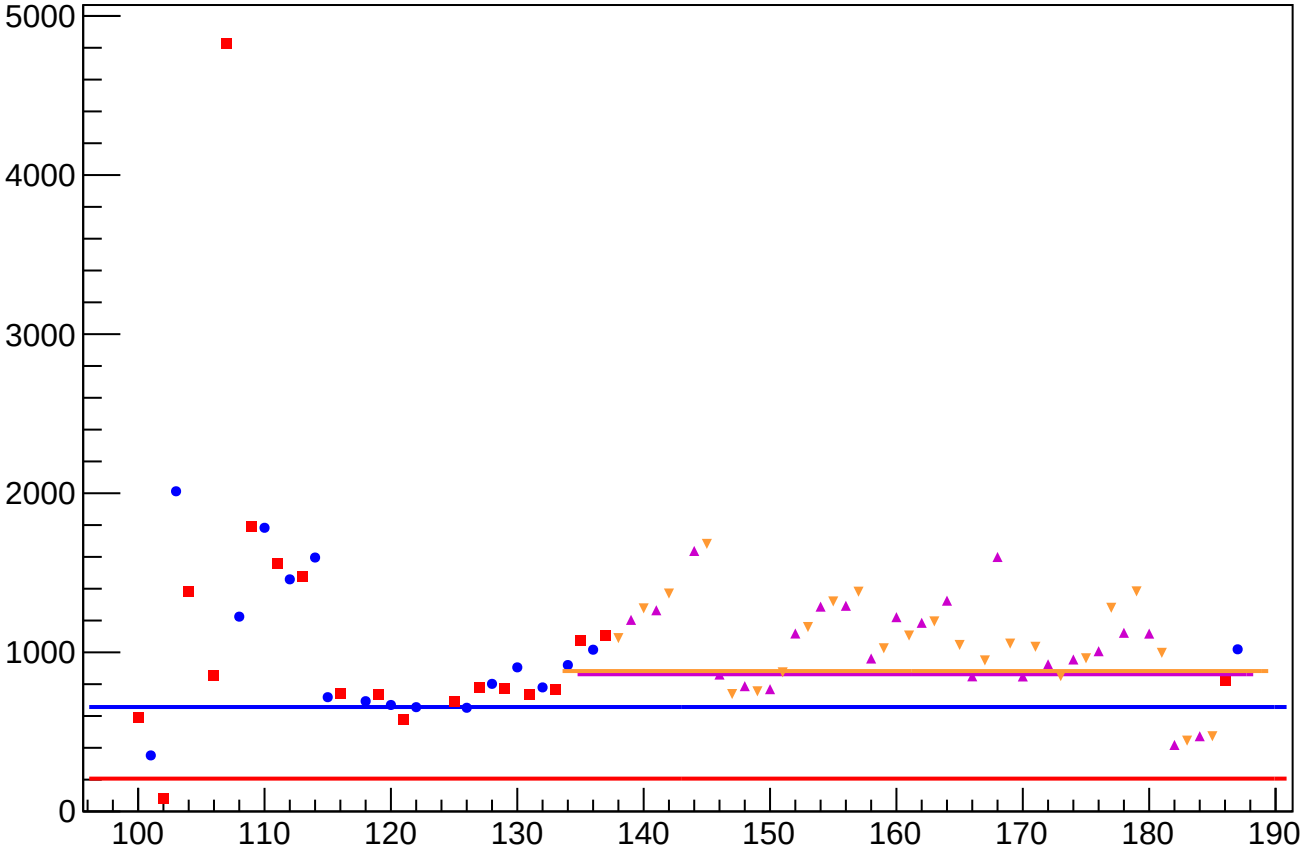
Right: -27.706+/-122.463 χ^2/NDF: 42.2/35

In: -207.558+/-168.753 χ^2/NDF:32.9/39

Out: -32.503+/-116.268 χ^2/NDF:55.0/42

All: -88.852+/-95.743 χ^2/NDF: 88.6/82

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 656.397+/-0.191 χ^2/NDF: 2811066.9/16

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 206.400+/-0.097 χ^2/NDF: 9748320.9/18

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

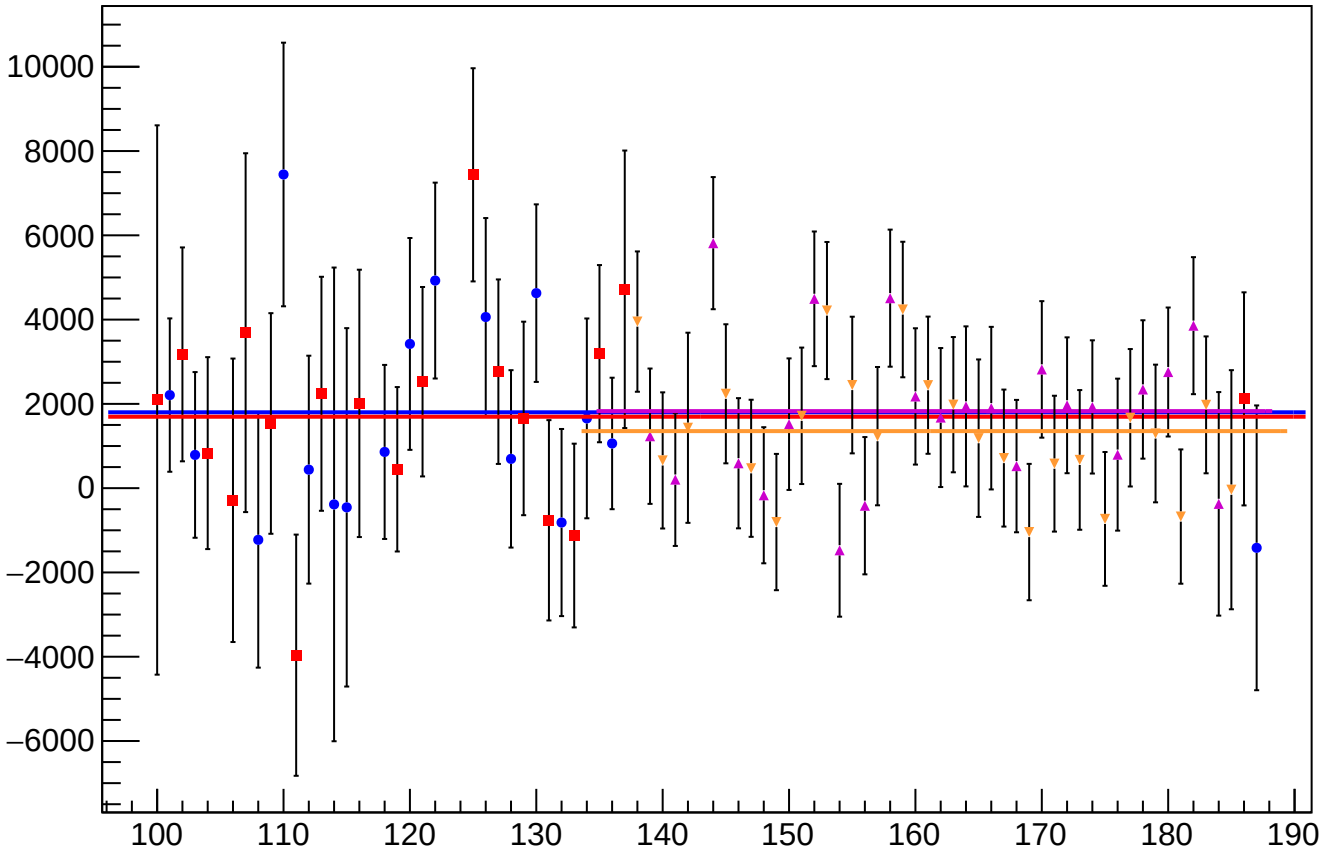
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 298.702+/-0.087 χ^2/NDF: 16962375.0/35

In: 782.103+/-0.119 χ^2/NDF:7888503.4/39

Out: 398.048+/-0.082 χ^2/NDF:27383723.6/42

All: 521.674+/-0.068 χ^2/NDF: 42296638.5/82



Right In: 1800.197+/-569.372 χ^2/NDF: 13.2/16

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1695.189+/-588.239 χ^2/NDF: 15.1/18

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

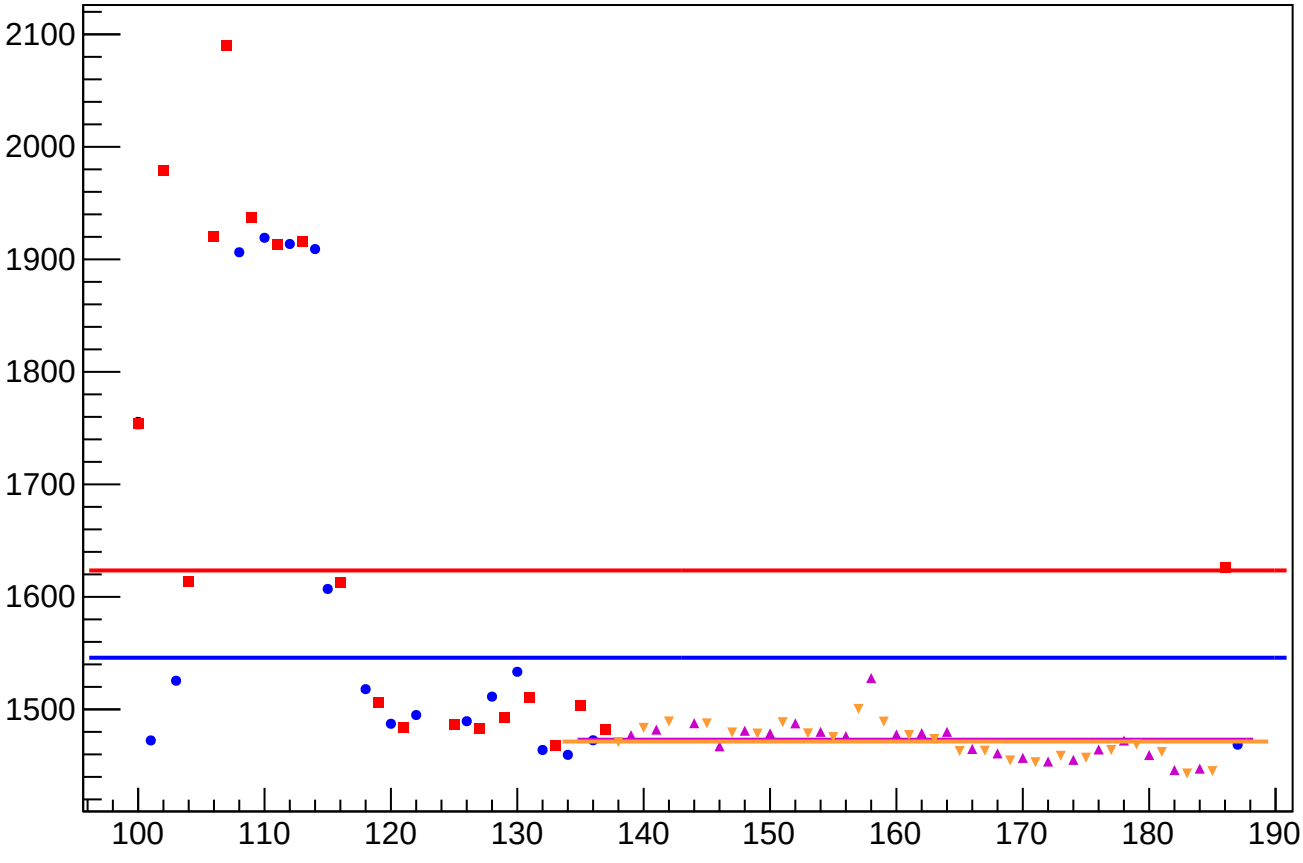
Right: 1749.404+/-409.114 χ^2/NDF: 28.3/35

In: 1820.750+/-294.404 χ^2/NDF:39.0/39

Out: 1439.797+/-295.383 χ^2/NDF:34.3/42

All: 1630.906+/-208.520 χ^2/NDF: 74.1/82

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1545.916+/-0.403 χ^2/NDF: 120981.9/16

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1623.496+/-0.416 χ^2/NDF: 211536.8/18

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

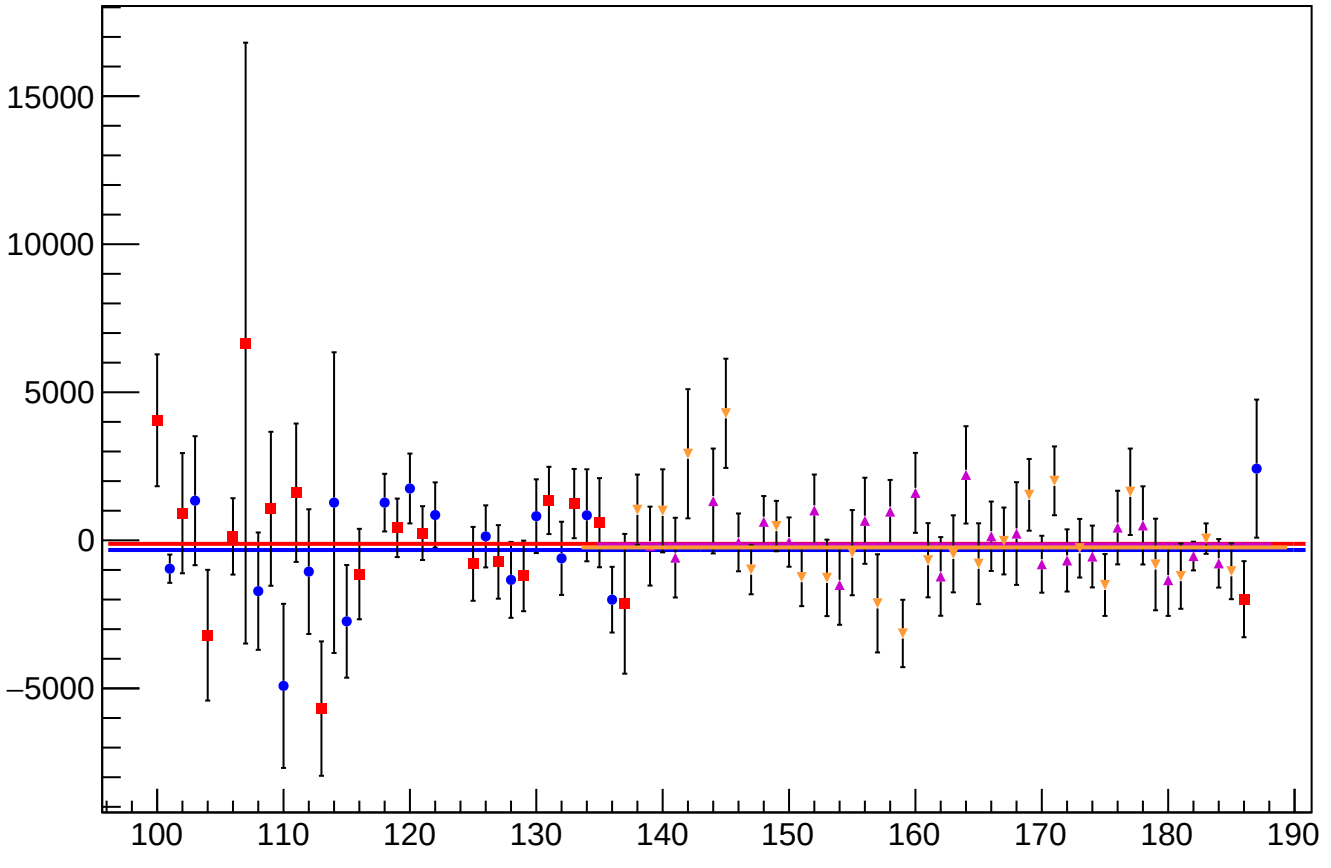
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1583.442+/-0.289 χ^2/NDF: 350479.3/35

In: 1492.530+/-0.208 χ^2/NDF:149732.1/39

Out: 1509.779+/-0.209 χ^2/NDF:314918.8/42

All: 1501.126+/-0.147 χ^2/NDF: 468072.1/82



Right In: -327.176+/-284.436 χ^2/NDF: 20.3/16

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -118.443+/-330.098 χ^2/NDF: 21.3/18

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

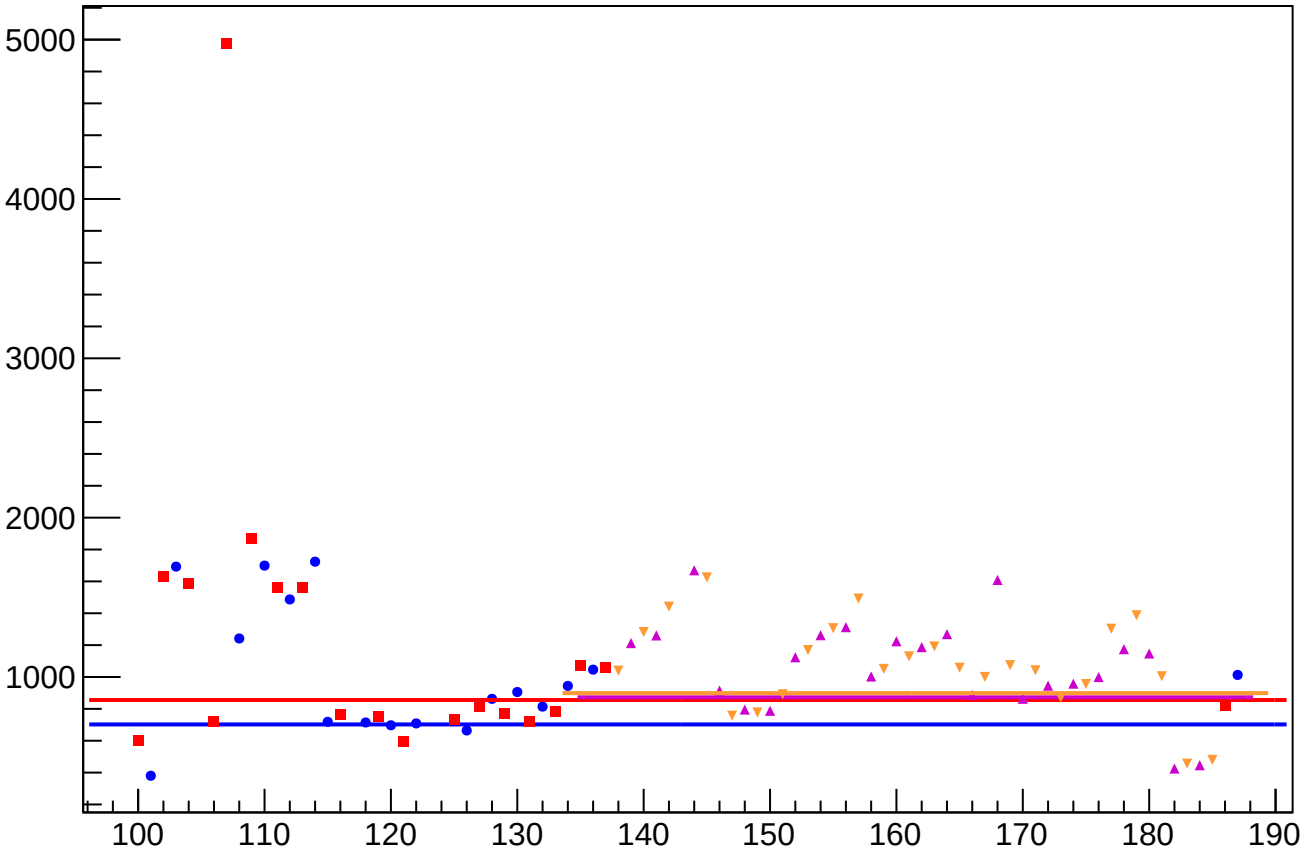
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -238.234+/-215.477 χ^2/NDF: 41.9/35

In: -208.462+/-173.265 χ^2/NDF:33.6/39

Out: -202.377+/-184.094 χ^2/NDF:53.9/42

All: -205.604+/-126.171 χ^2/NDF: 87.4/82



Right In: 702.210+/-0.201 χ^2/NDF: 2471640.8/16

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 855.641+/-0.233 χ^2/NDF: 1883727.8/18

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

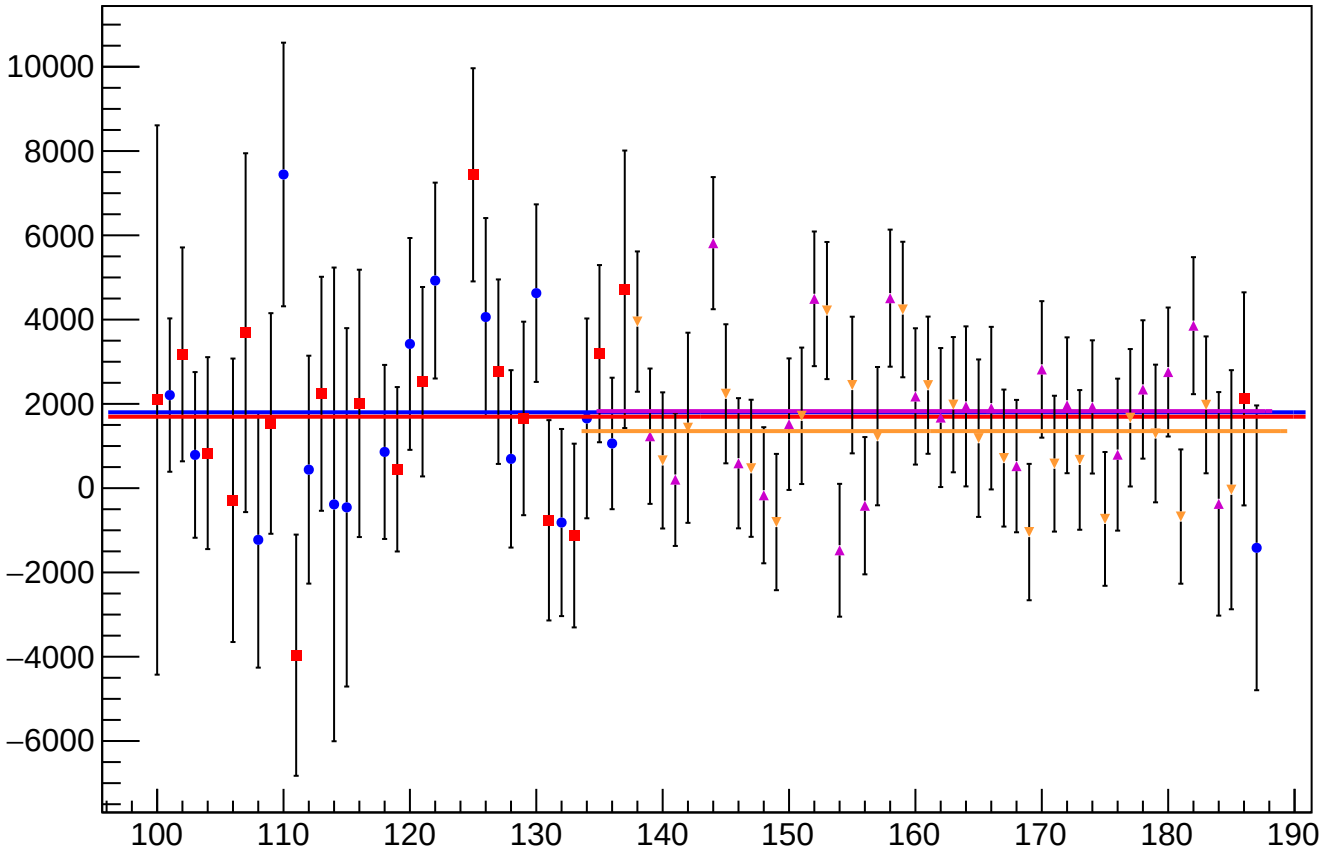
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 767.588+/-0.152 χ^2/NDF: 4603342.5/35

In: 809.294+/-0.123 χ^2/NDF:7357873.3/39

Out: 885.410+/-0.130 χ^2/NDF:5698865.1/42

All: 845.047+/-0.089 χ^2/NDF: 13238045.1/82



Right In: 1800.195+/-569.372 χ^2/NDF: 13.2/16

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1695.187+/-588.239 χ^2/NDF: 15.1/18

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

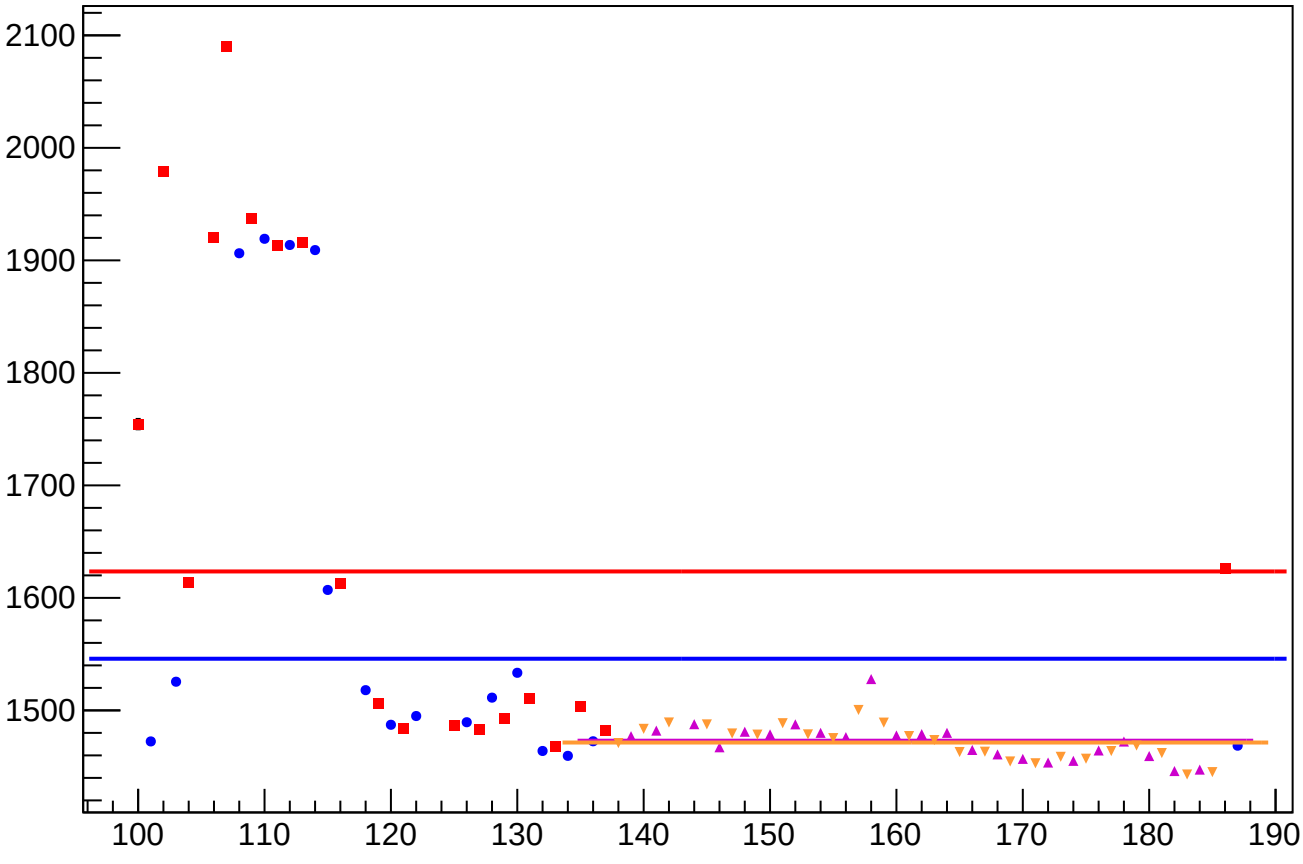
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1749.402+/-409.114 χ^2/NDF: 28.3/35

In: 1820.750+/-294.404 χ^2/NDF:39.0/39

Out: 1439.795+/-295.383 χ^2/NDF:34.3/42

All: 1630.905+/-208.520 χ^2/NDF: 74.1/82



Right In: 1545.916+/-0.403 χ^2/NDF: 120981.9/16

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1623.496+/-0.416 χ^2/NDF: 211536.6/18

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

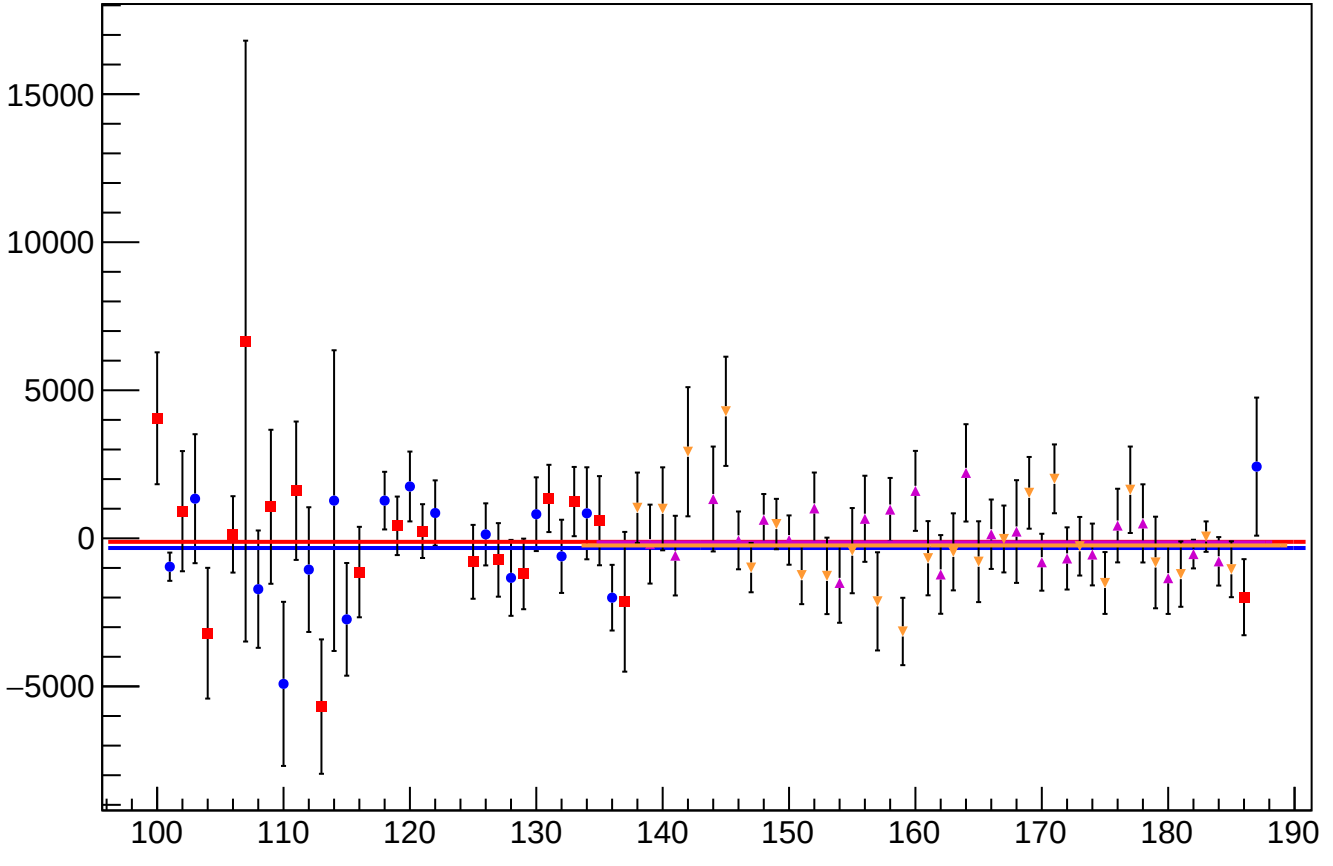
Right: 1583.442+/-0.289 χ^2/NDF: 350479.2/35

In: 1492.530+/-0.208 χ^2/NDF:149732.0/39

Out: 1509.779+/-0.209 χ^2/NDF:314918.3/42

All: 1501.126+/-0.147 χ^2/NDF: 468071.5/82

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -327.175+/-284.436 χ^2/NDF: 20.3/16

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -118.442+/-330.098 χ^2/NDF: 21.3/18

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

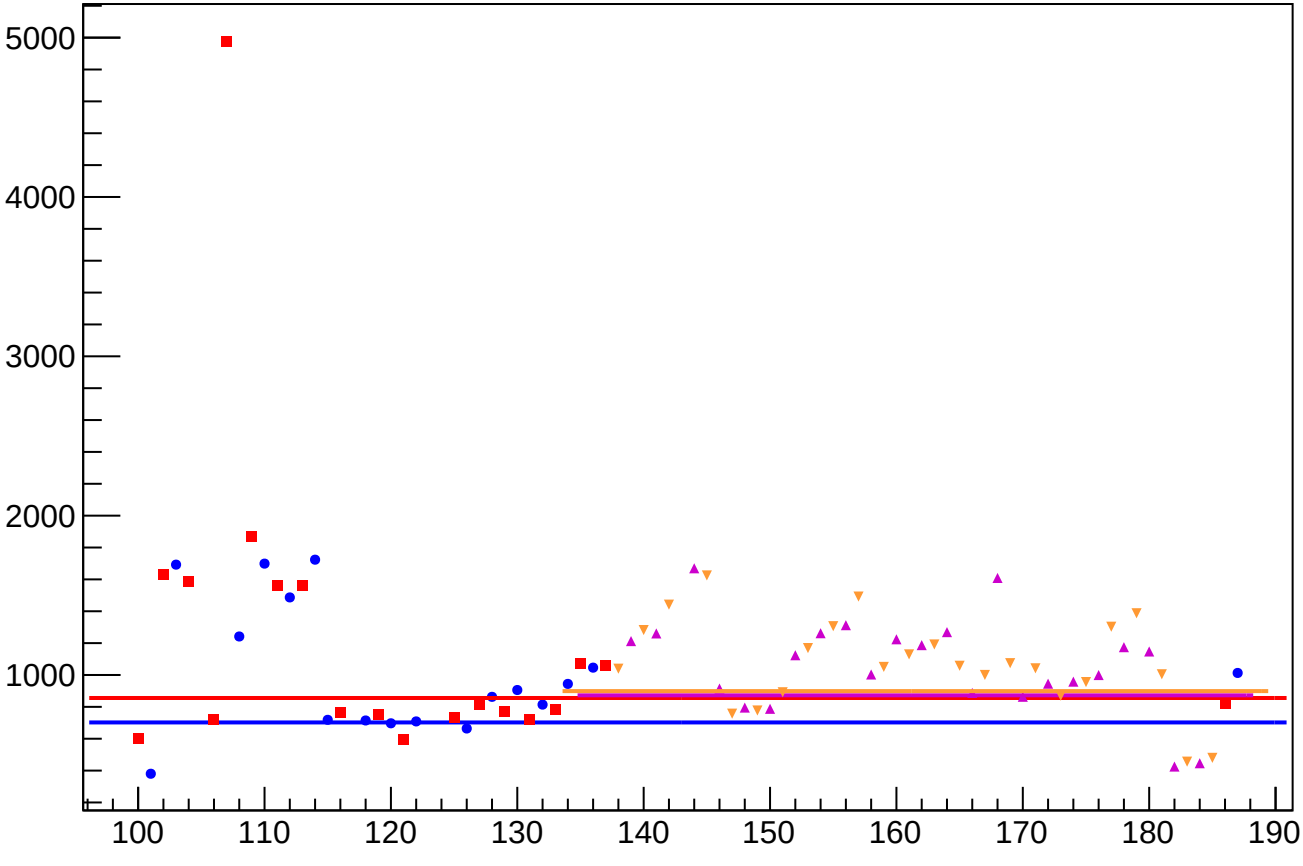
Right: -238.233+/-215.477 χ^2/NDF: 41.9/35

In: -208.462+/-173.265 χ^2/NDF:33.6/39

Out: -202.378+/-184.094 χ^2/NDF:53.9/42

All: -205.604+/-126.171 χ^2/NDF: 87.4/82

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 702.210+/-0.201 χ^2/NDF: 2471633.7/16

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 855.640+/-0.233 χ^2/NDF: 1883737.2/18

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

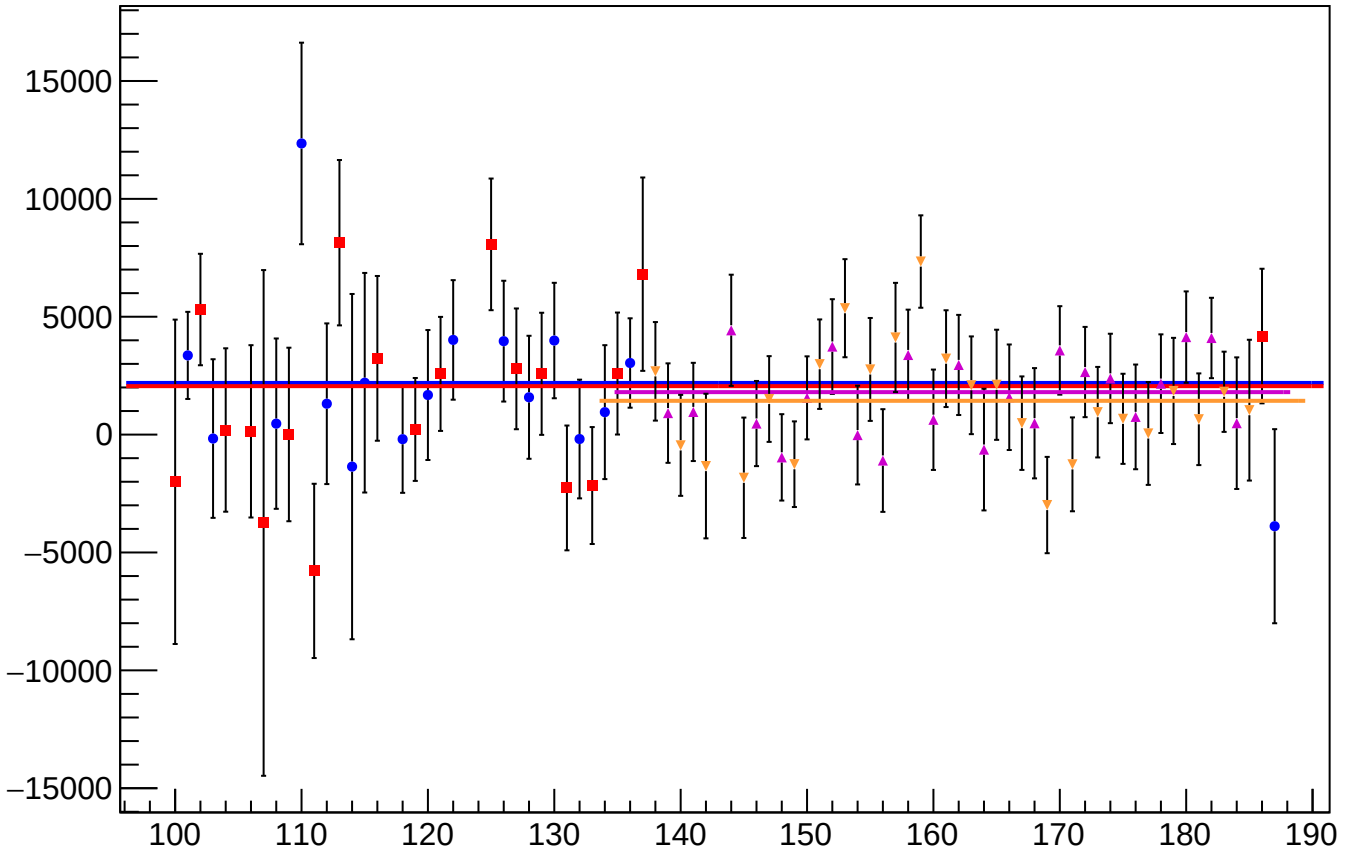
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 767.587+/-0.152 χ^2/NDF: 4603340.5/35

In: 809.294+/-0.123 χ^2/NDF:7357878.3/39

Out: 885.410+/-0.130 χ^2/NDF:5698885.5/42

All: 845.048+/-0.089 χ^2/NDF: 13238068.6/82



Right In: 2191.700+/-669.895 χ^2/NDF: 13.3/16

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2055.105+/-686.093 χ^2/NDF: 24.0/18

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

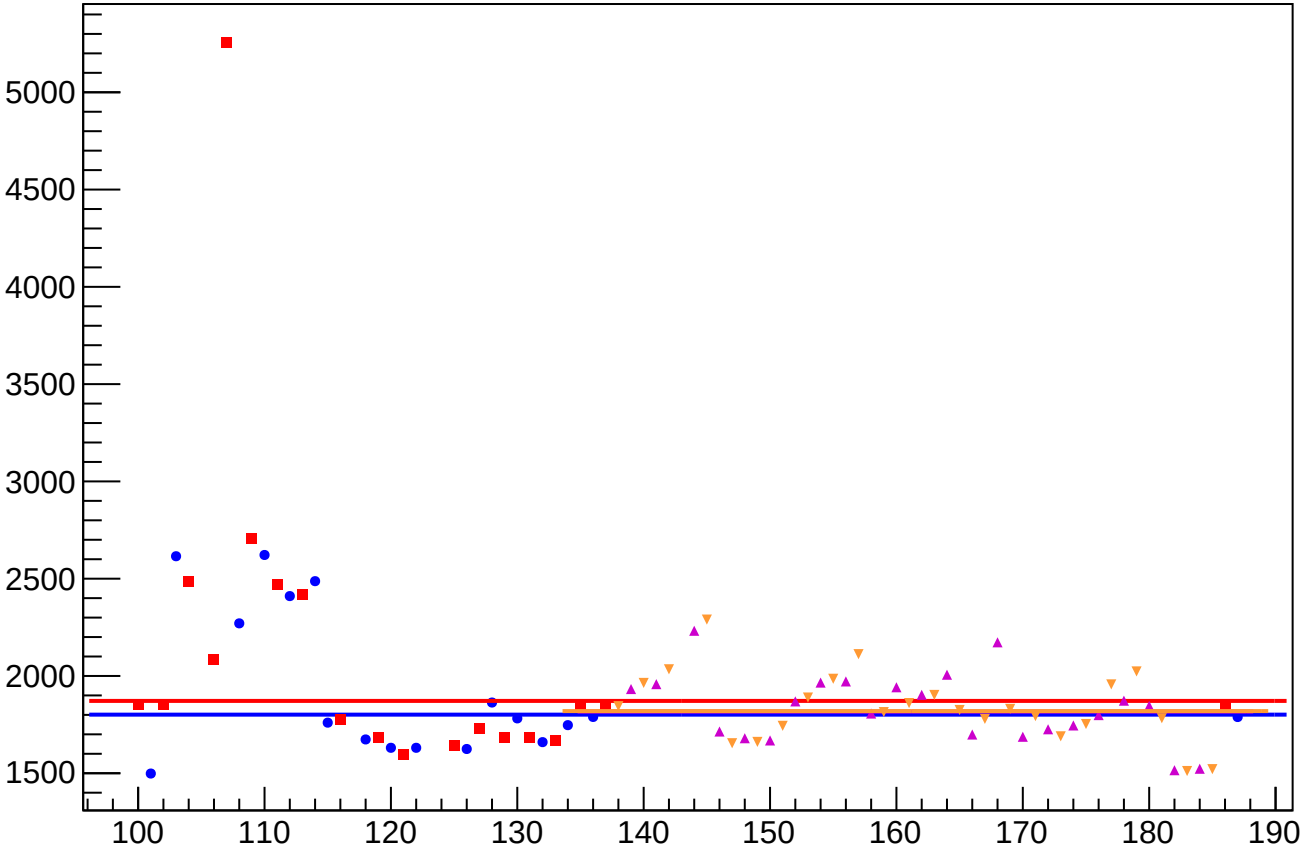
Right: 2125.034+/-479.312 χ^2/NDF: 37.3/35

In: 1914.070+/-359.762 χ^2/NDF:28.8/39

Out: 1605.429+/-360.969 χ^2/NDF:54.0/42

All: 1760.266+/-254.816 χ^2/NDF: 83.2/82

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.197+/-0.474 χ^2/NDF: 400720.6/16

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1871.771+/-0.485 χ^2/NDF: 570245.9/18

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

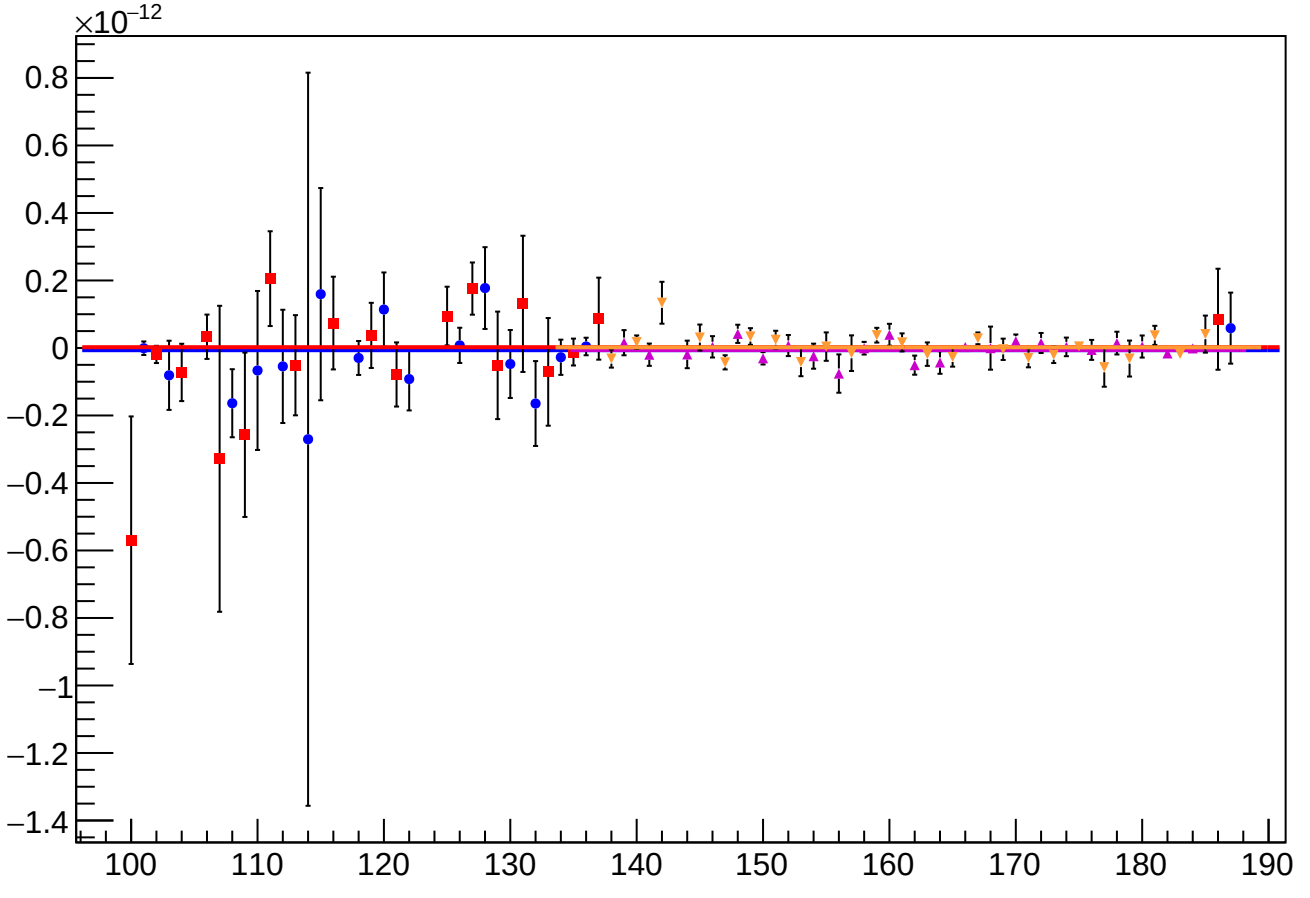
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

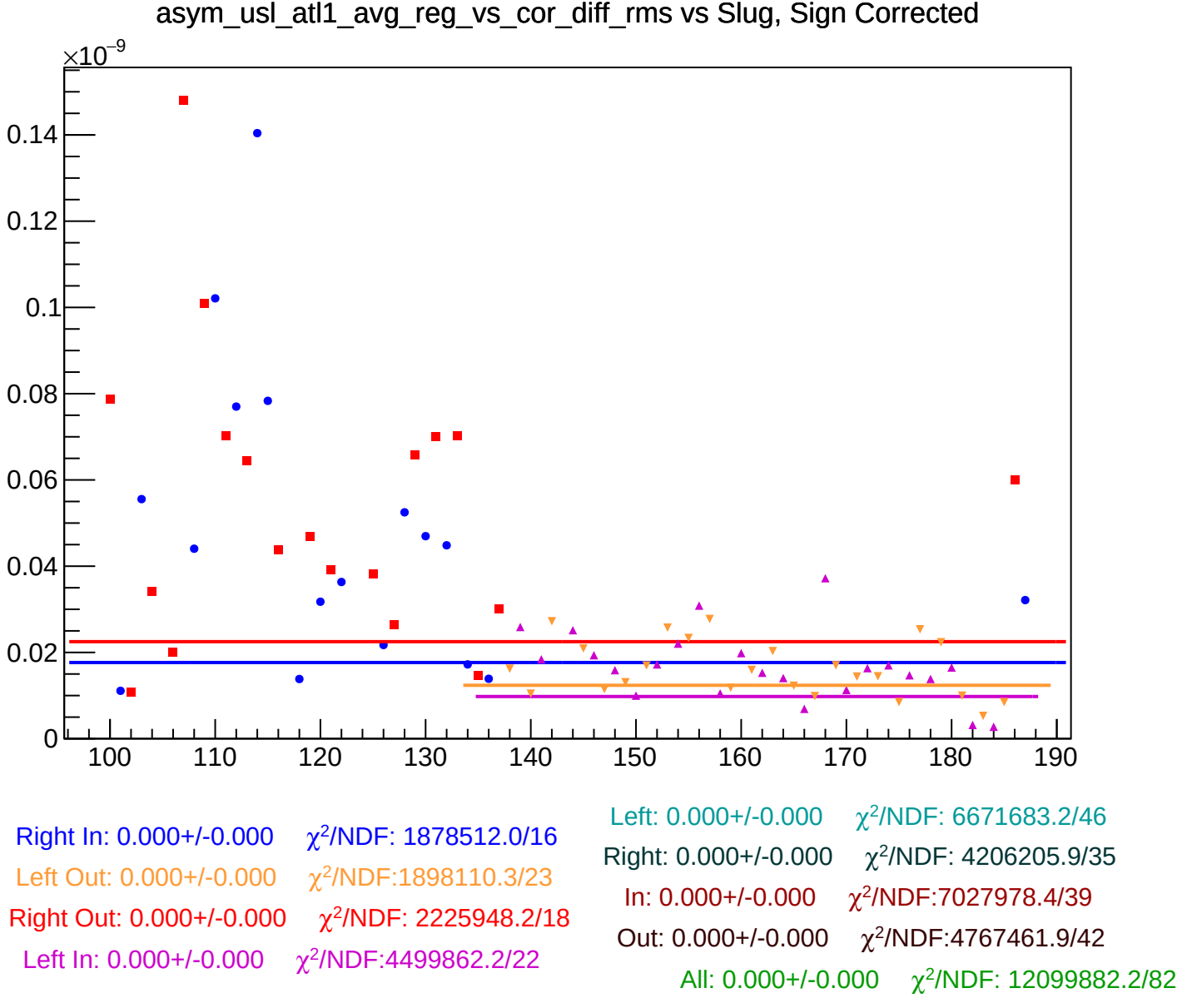
Right: 1835.641+/-0.339 χ^2/NDF: 981800.4/35

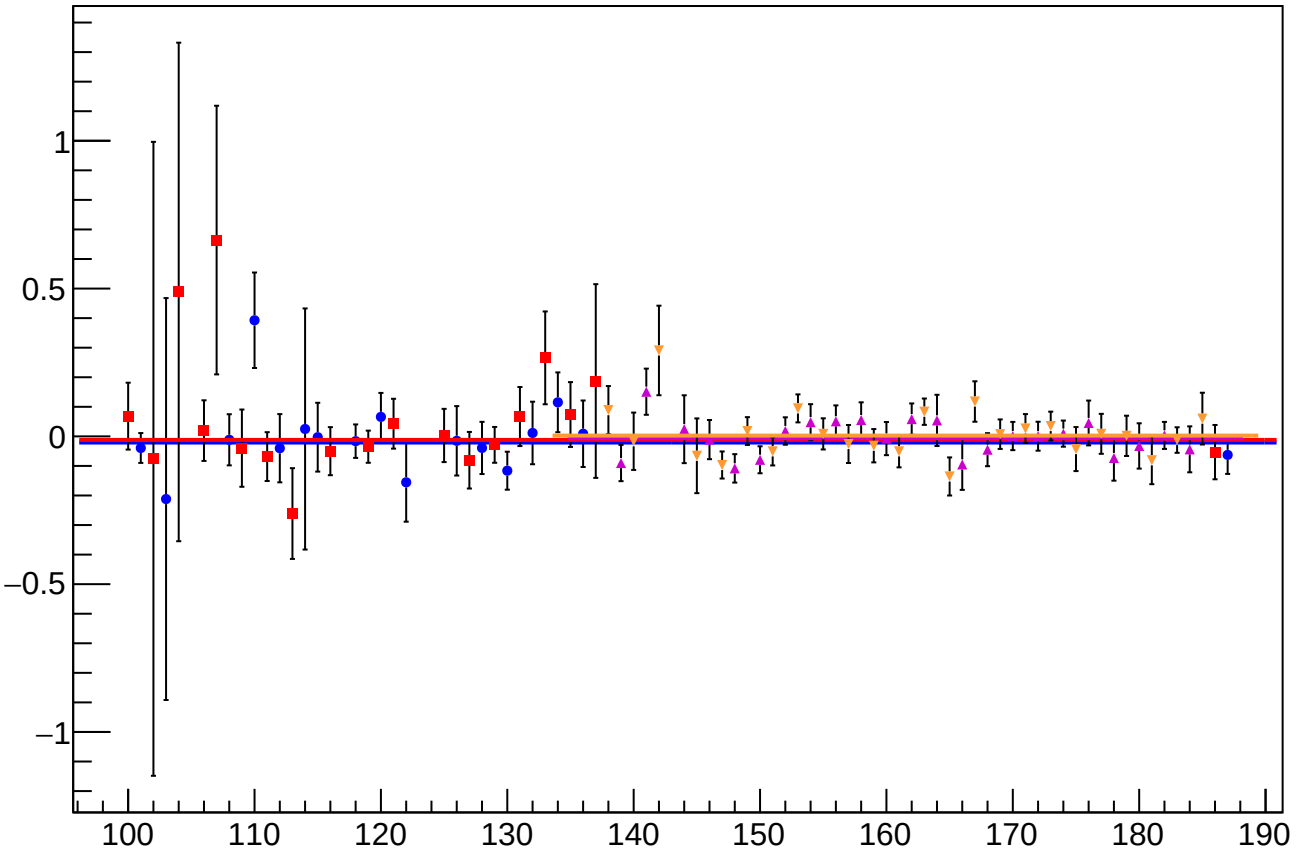
In: 1812.543+/-0.254 χ^2/NDF:708630.0/39

Out: 1833.909+/-0.255 χ^2/NDF:873683.1/42

All: 1823.190+/-0.180 χ^2/NDF: 1585828.5/82


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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.6/16
Left Out: 0.000+/-0.000 χ²/NDF:29.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.0/18
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 48.5/46
Right: -0.000+/-0.000 χ²/NDF: 27.8/35
In: -0.000+/-0.000 χ²/NDF:28.6/39
Out: 0.000+/-0.000 χ²/NDF:46.3/42
All: -0.000+/-0.000 χ²/NDF: 76.3/82


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
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1878512.0/16
Left Out: 0.000+/-0.000 χ²/NDF:1898110.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2225948.2/18
Left In: 0.000+/-0.000 χ²/NDF:4499862.2/22
Left: 0.000+/-0.000 χ²/NDF: 6671683.2/46
Right: 0.000+/-0.000 χ²/NDF: 4206205.9/35
In: 0.000+/-0.000 χ²/NDF:7027978.4/39
Out: 0.000+/-0.000 χ²/NDF:4767461.9/42
All: 0.000+/-0.000 χ²/NDF: 12099882.2/82



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.012+/-0.023 χ^2/NDF: 12.7/18

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

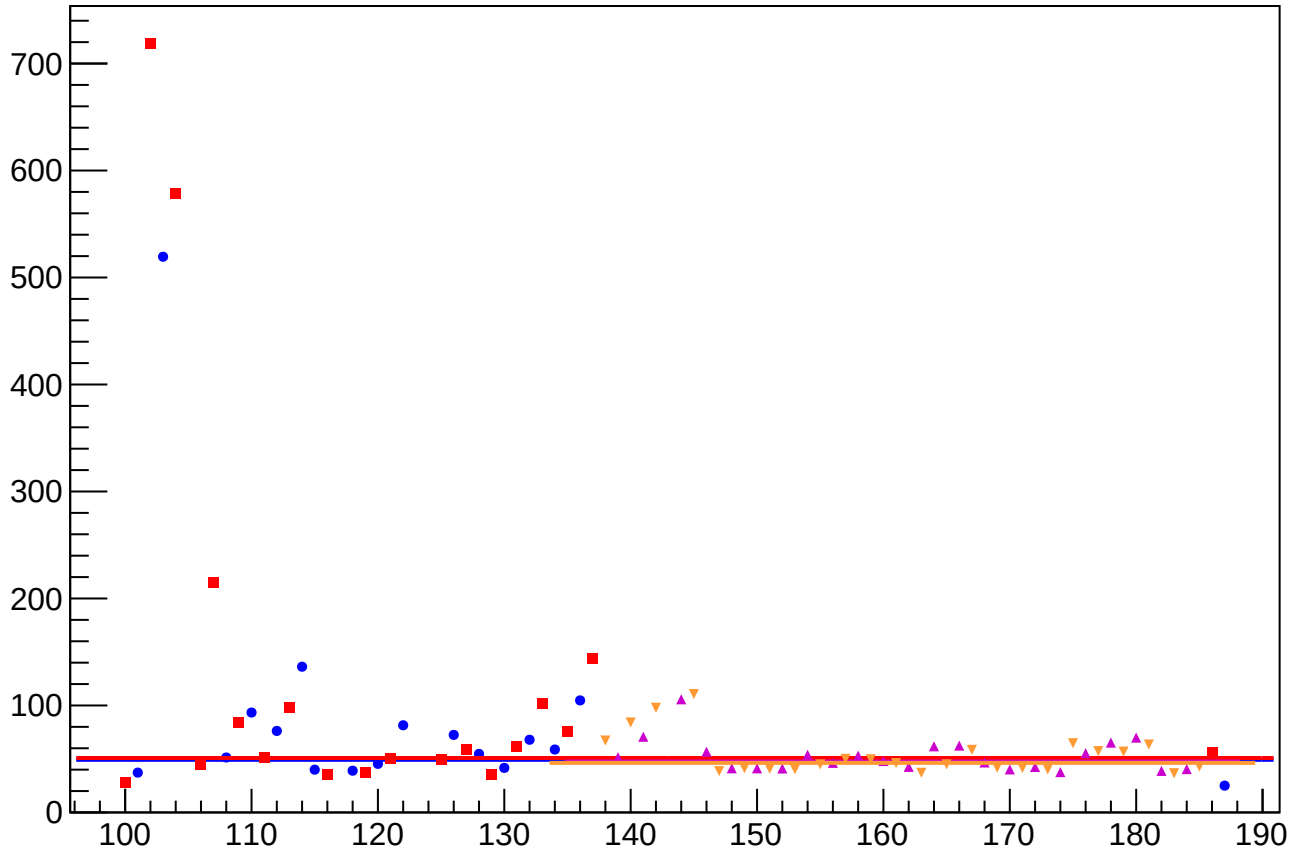
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.017+/-0.016 χ^2/NDF: 26.4/35

In: -0.010+/-0.011 χ^2/NDF:35.6/39

Out: -0.001+/-0.011 χ^2/NDF:42.9/42

All: -0.005+/-0.007 χ^2/NDF: 78.9/82



Right In: 49.202+/-0.015 χ^2/NDF: 2583164.8/16

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.901+/-0.016 χ^2/NDF: 3057289.2/18

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

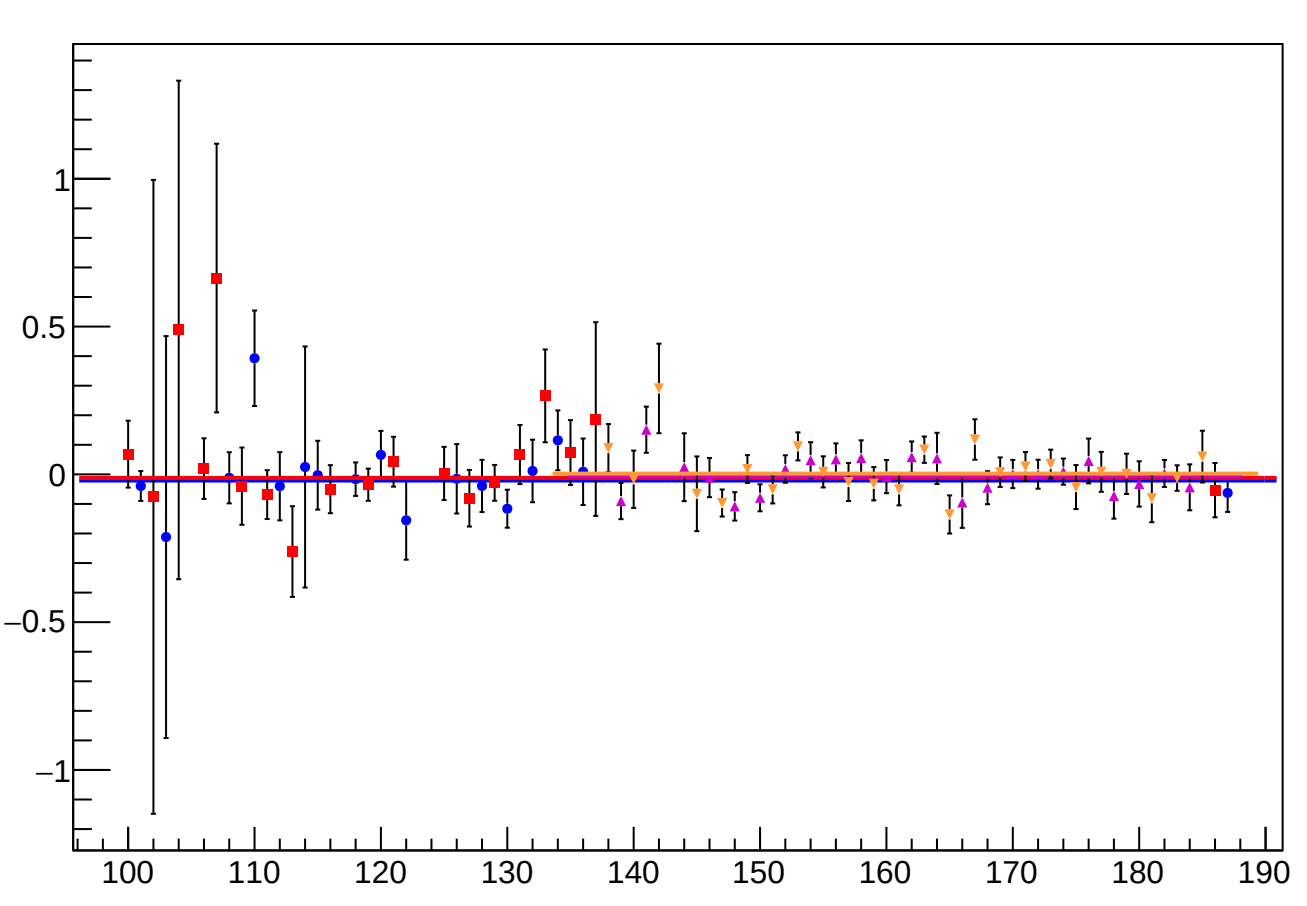
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.994+/-0.011 χ^2/NDF: 5646354.4/35

In: 47.972+/-0.007 χ^2/NDF:4168133.8/39

Out: 47.323+/-0.007 χ^2/NDF:5087350.4/42

All: 47.647+/-0.005 χ^2/NDF: 9259270.3/82



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.012+/-0.023 χ^2/NDF: 12.7/18

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

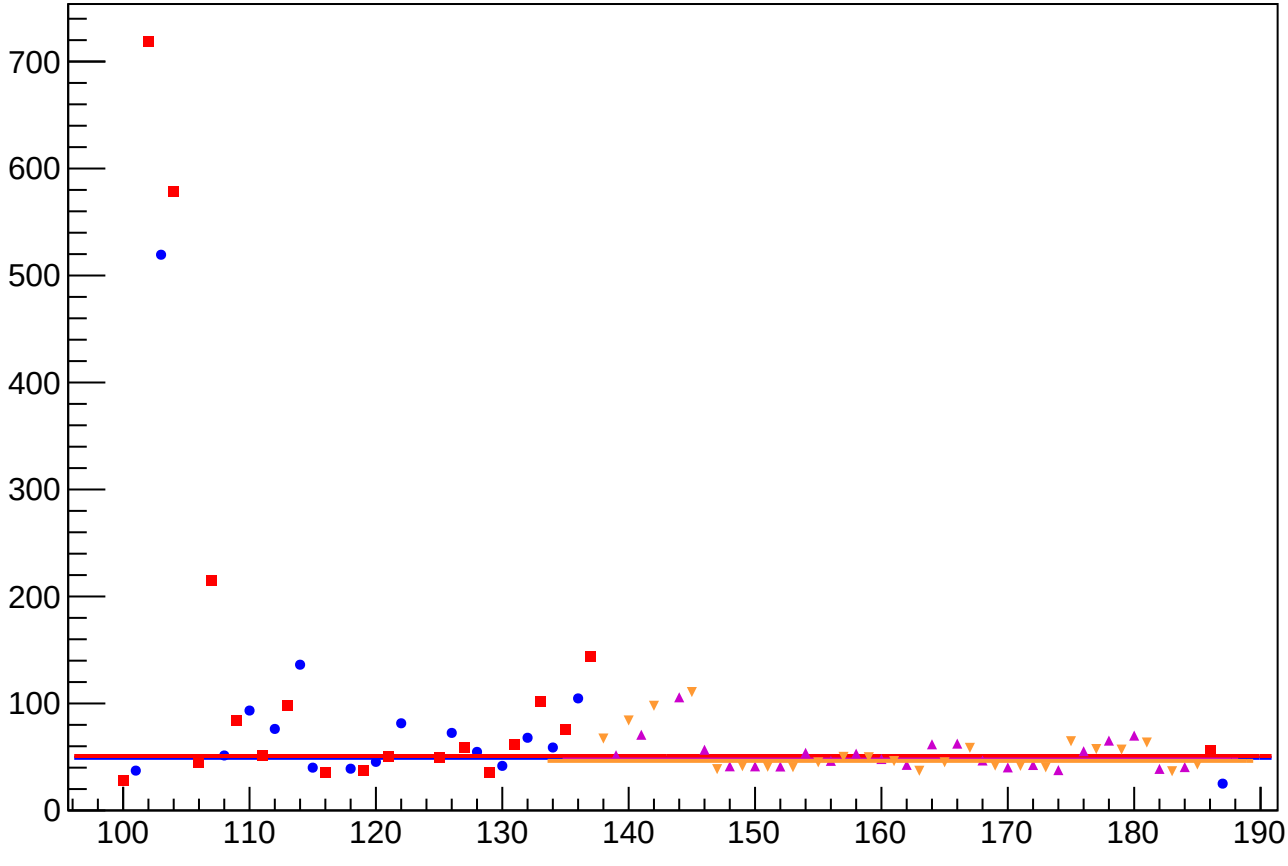
Right: -0.017+/-0.016 χ^2/NDF: 26.4/35

In: -0.010+/-0.011 χ^2/NDF:35.6/39

Out: -0.001+/-0.011 χ^2/NDF:42.9/42

All: -0.005+/-0.007 χ^2/NDF: 78.9/82

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.202+/-0.015 χ^2/NDF: 2583164.8/16

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.901+/-0.016 χ^2/NDF: 3057289.2/18

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

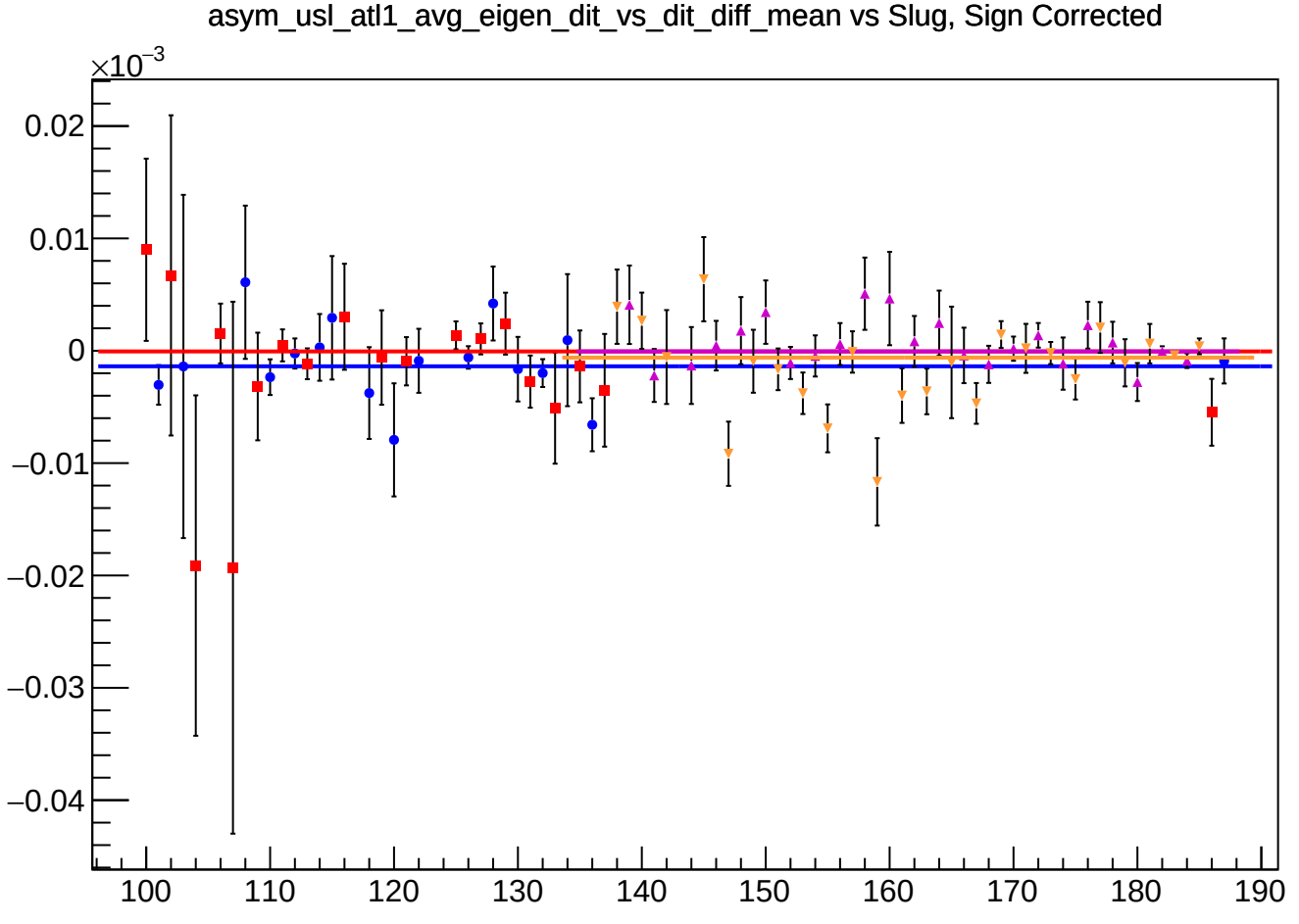
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.994+/-0.011 χ^2/NDF: 5646354.4/35

In: 47.972+/-0.007 χ^2/NDF:4168133.8/39

Out: 47.323+/-0.007 χ^2/NDF:5087350.4/42

All: 47.647+/-0.005 χ^2/NDF: 9259270.3/82



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

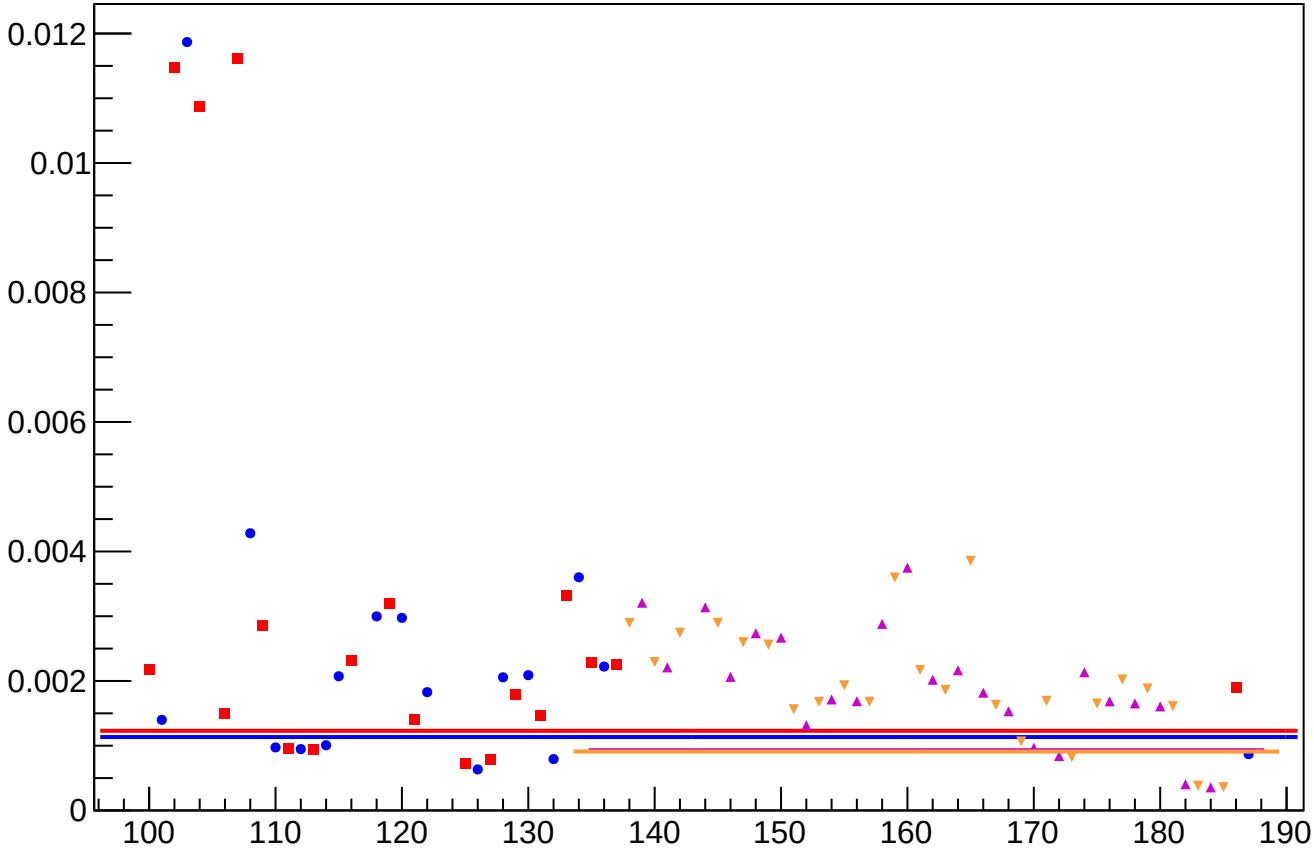
Right: -0.000+/-0.000 χ^2/NDF: 33.2/35

In: -0.000+/-0.000 χ^2/NDF:38.2/39

Out: -0.000+/-0.000 χ^2/NDF:69.8/42

All: -0.000+/-0.000 χ^2/NDF: 108.1/82

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4224907.7/16

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4625188.4/18

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

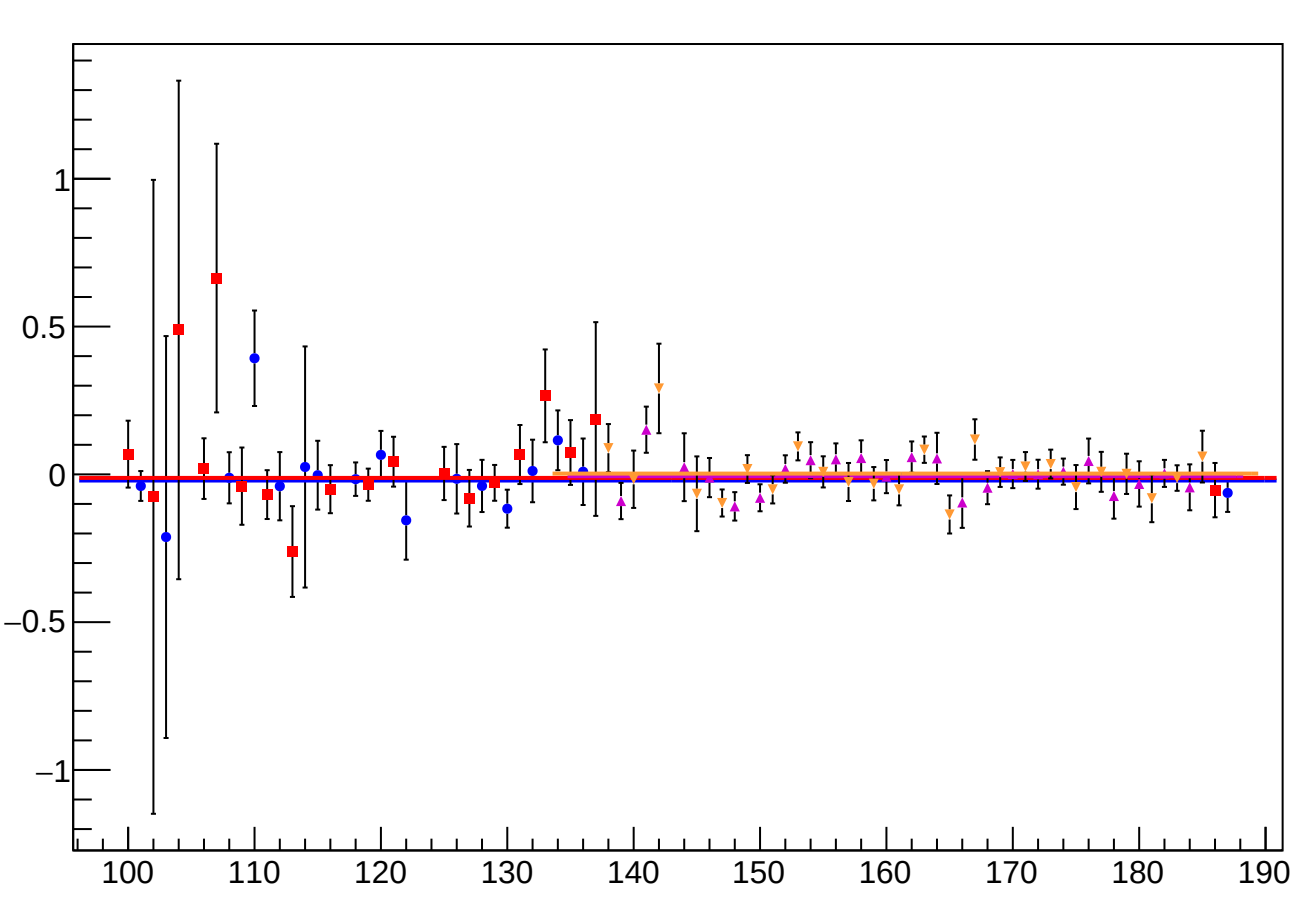
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 8884036.6/35

In: 0.001+/-0.000 χ^2/NDF:18166237.3/39

Out: 0.001+/-0.000 χ^2/NDF:19307381.0/42

All: 0.001+/-0.000 χ^2/NDF: 37473852.4/82



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.012+/-0.023 χ^2/NDF: 12.7/18

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

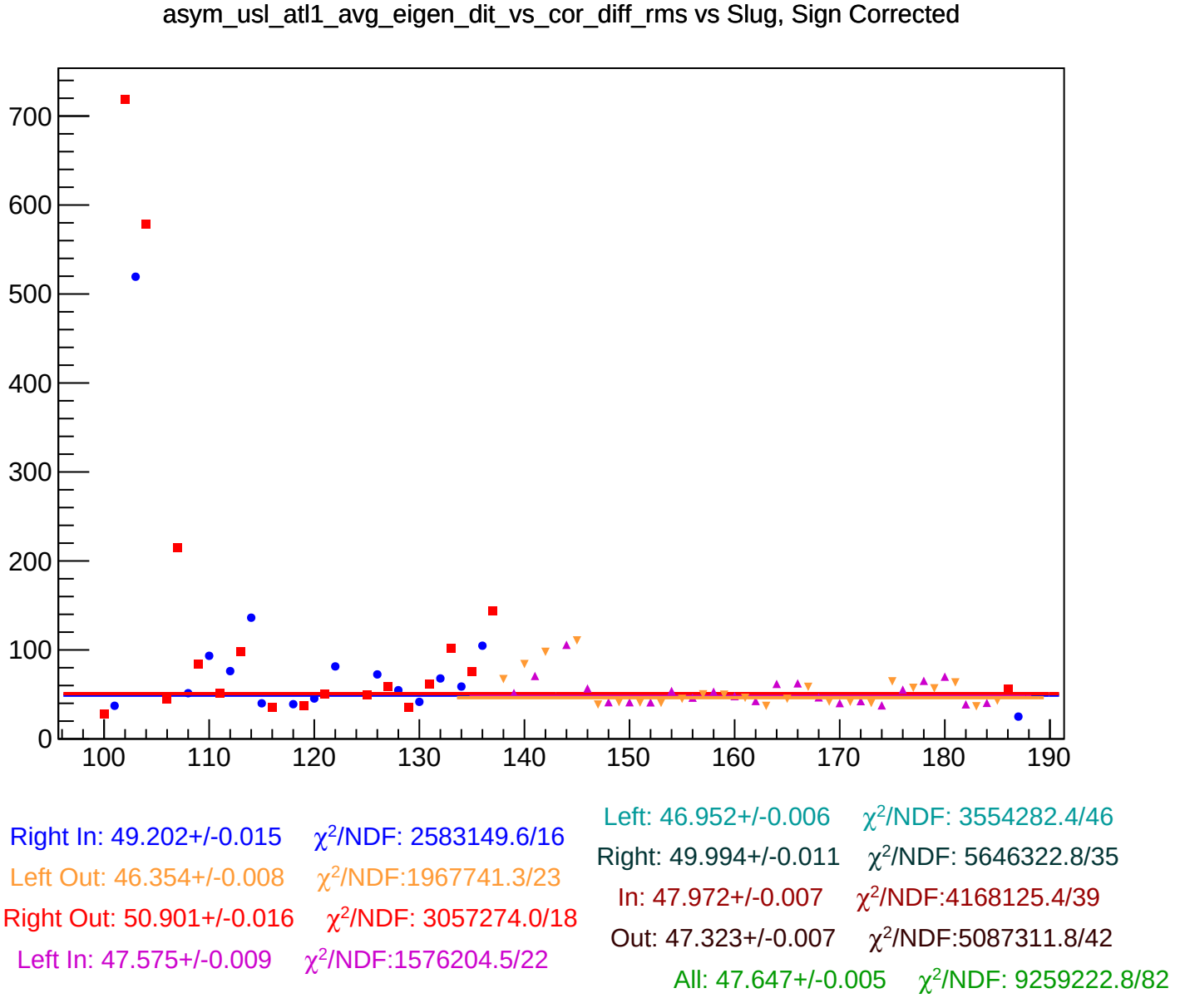
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

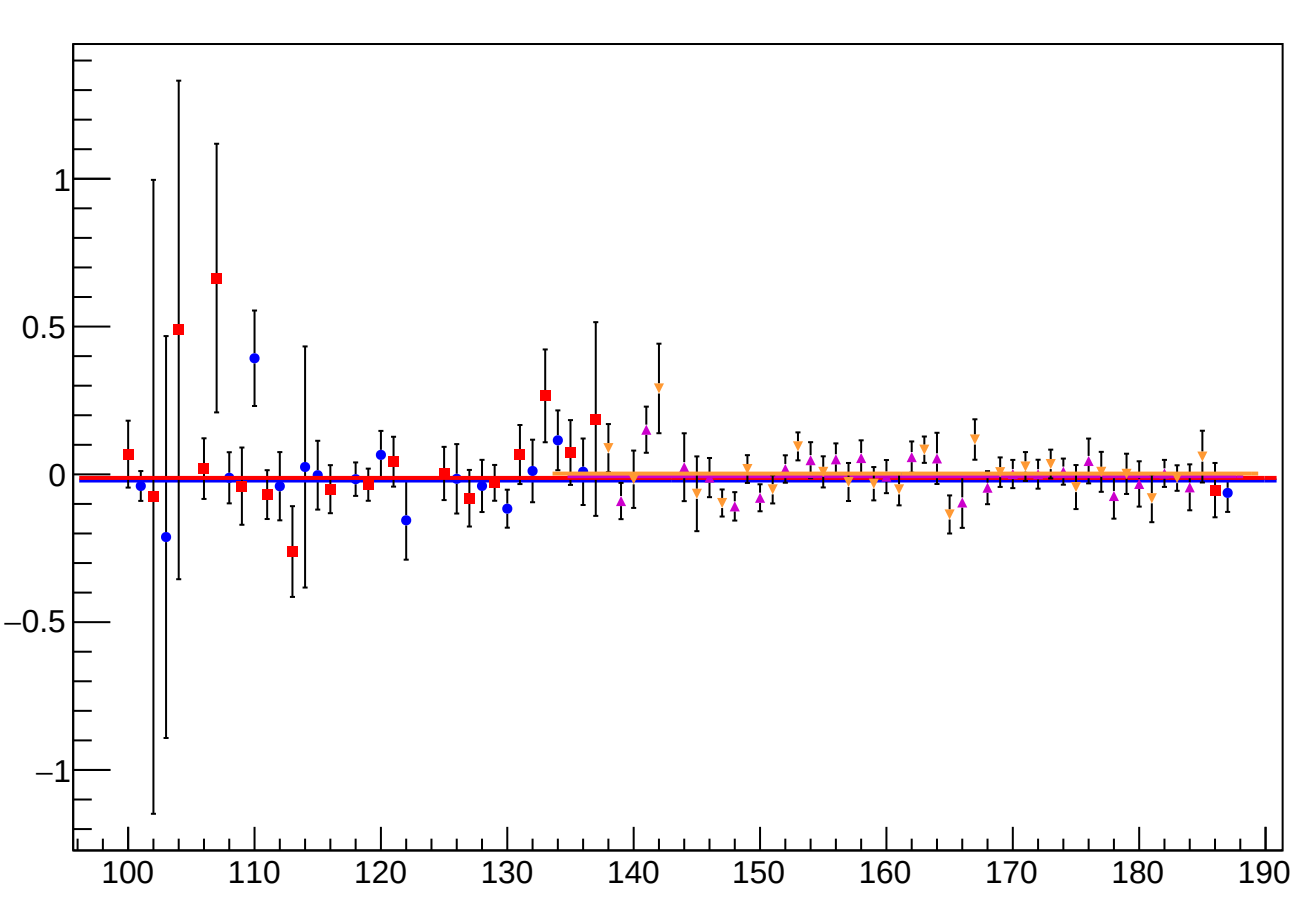
Right: -0.017+/-0.016 χ^2/NDF: 26.4/35

In: -0.010+/-0.011 χ^2/NDF:35.6/39

Out: -0.001+/-0.011 χ^2/NDF:42.9/42

All: -0.005+/-0.007 χ^2/NDF: 78.9/82


asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
190
Right In: 49.202+/-0.015 χ2/NDF: 2583149.6/16
Left Out: 46.354+/-0.008 χ2/NDF:1967741.3/23
Right Out: 50.901+/-0.016 χ2/NDF: 3057274.0/18
Left In: 47.575+/-0.009 χ2/NDF:1576204.5/22
Left: 46.952+/-0.006 χ2/NDF: 3554282.4/46
Right: 49.994+/-0.011 χ2/NDF: 5646322.8/35
In: 47.972+/-0.007 χ2/NDF:4168125.4/39
Out: 47.323+/-0.007 χ2/NDF:5087311.8/42
All: 47.647+/-0.005 χ2/NDF: 9259222.8/82



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.012+/-0.023 χ^2/NDF: 12.7/18

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

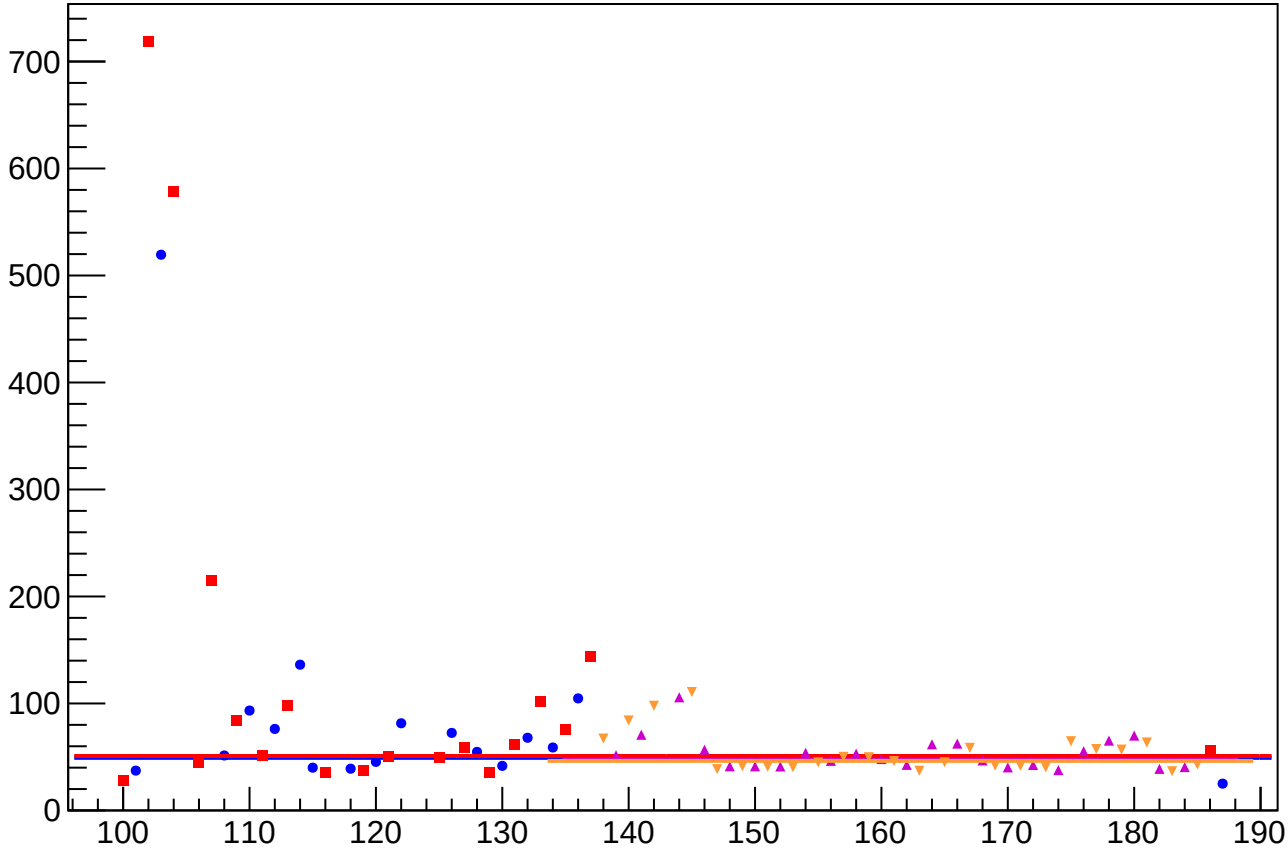
Right: -0.017+/-0.016 χ^2/NDF: 26.4/35

In: -0.010+/-0.011 χ^2/NDF:35.6/39

Out: -0.001+/-0.011 χ^2/NDF:42.9/42

All: -0.005+/-0.007 χ^2/NDF: 78.9/82

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.202+/-0.015 χ^2/NDF: 2583149.6/16

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.901+/-0.016 χ^2/NDF: 3057274.0/18

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

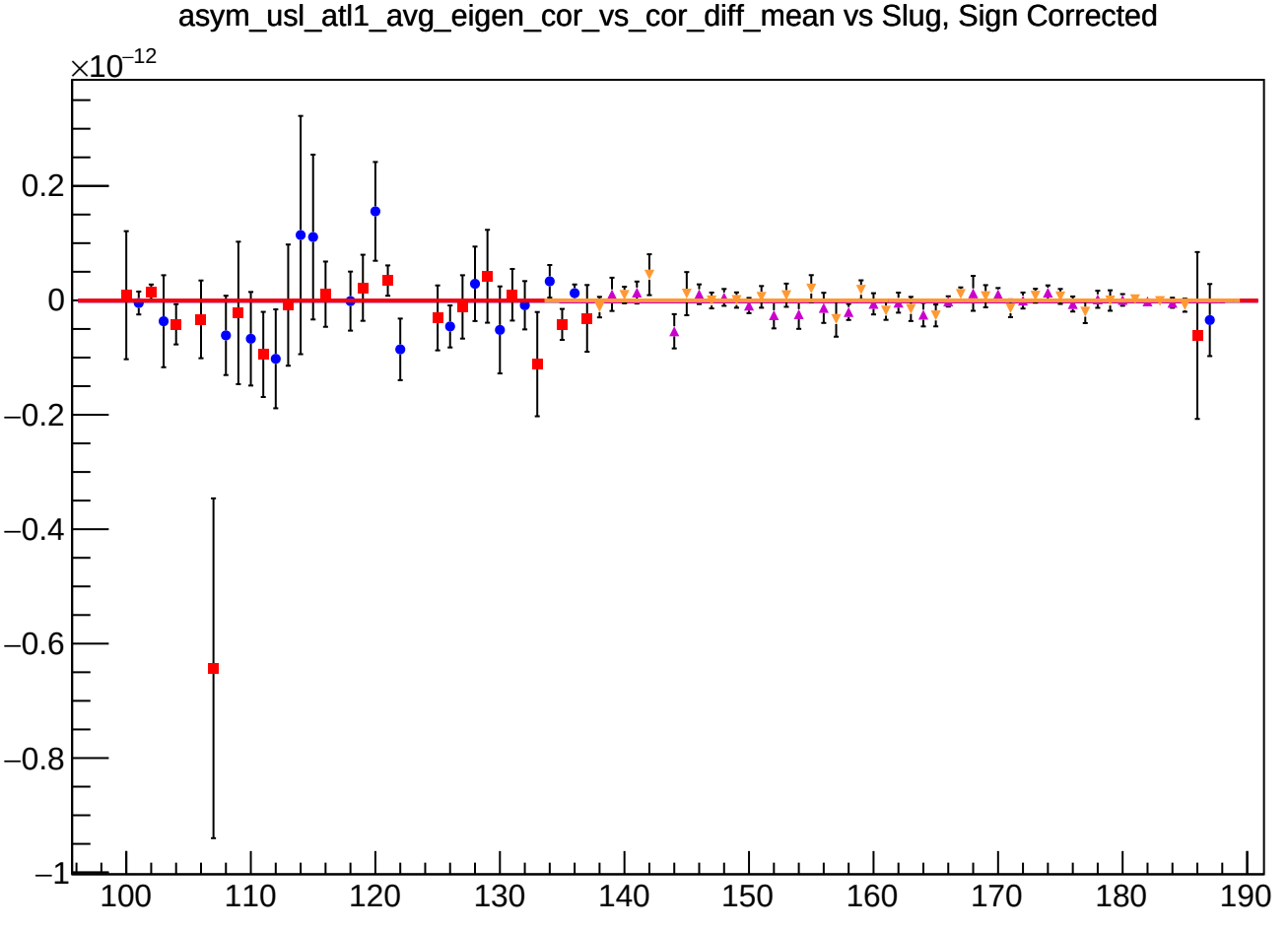
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.994+/-0.011 χ^2/NDF: 5646322.8/35

In: 47.972+/-0.007 χ^2/NDF:4168125.4/39

Out: 47.323+/-0.007 χ^2/NDF:5087311.8/42

All: 47.647+/-0.005 χ^2/NDF: 9259222.8/82



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

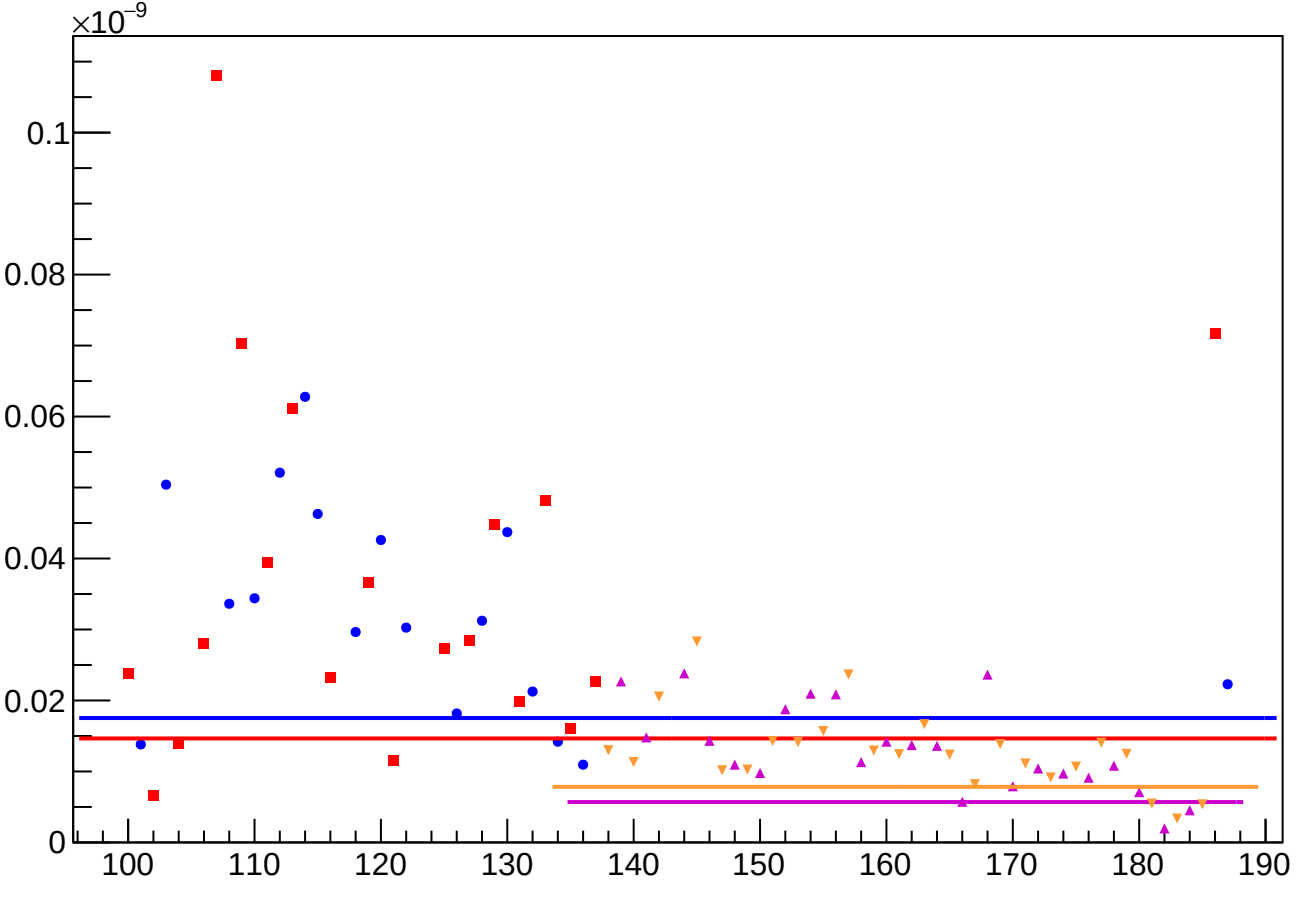
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: -0.000+/-0.000 χ^2/NDF: 30.6/35

In: -0.000+/-0.000 χ^2/NDF:27.7/39

Out: -0.000+/-0.000 χ^2/NDF:30.1/42

All: -0.000+/-0.000 χ^2/NDF: 58.1/82



Right In: 0.000+/-0.000 χ^2/NDF: 2236171.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3567746.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

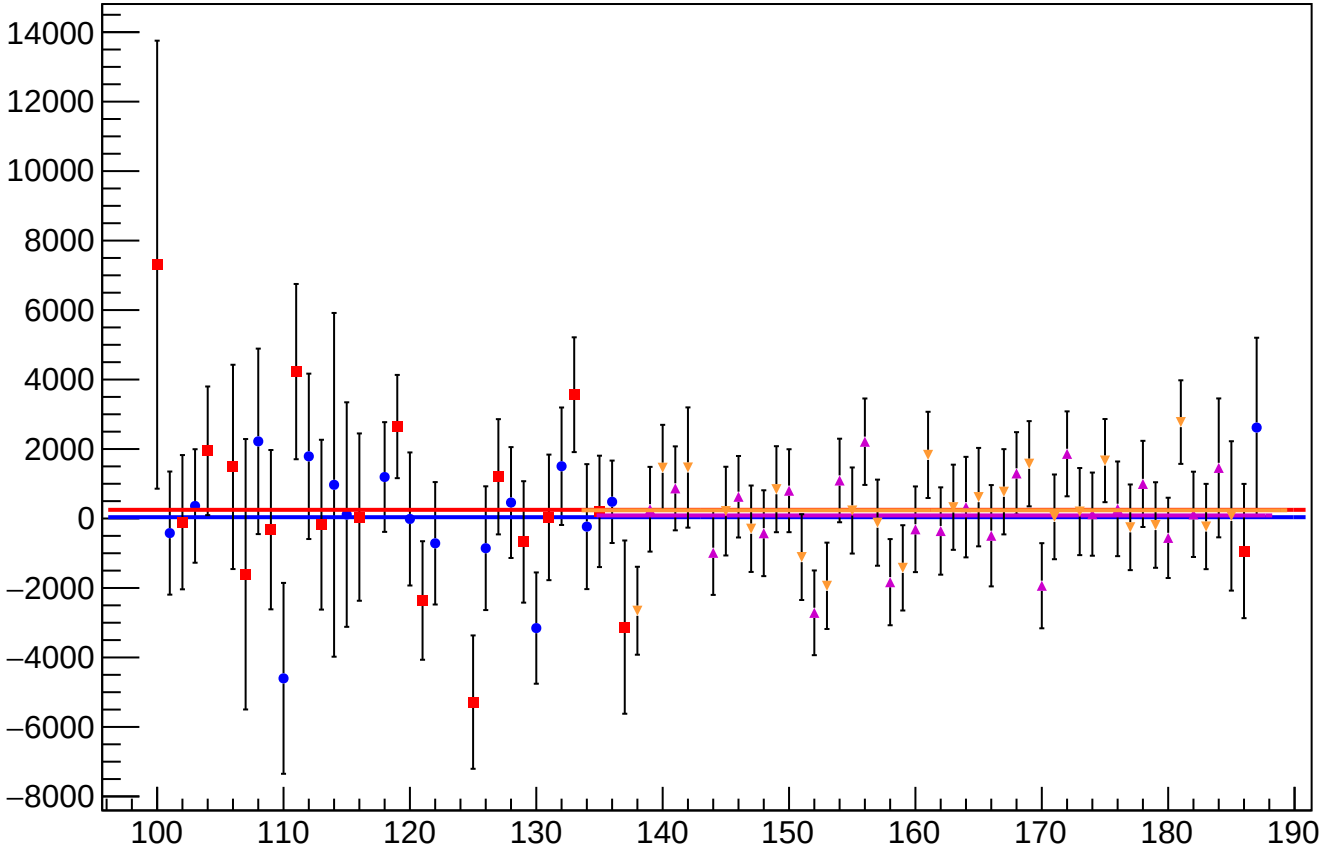
Right: 0.000+/-0.000 χ^2/NDF: 5903513.7/35

In: 0.000+/-0.000 χ^2/NDF:16520599.5/39

Out: 0.000+/-0.000 χ^2/NDF:11067402.7/42

All: 0.000+/-0.000 χ^2/NDF: 28415911.7/82

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 37.690+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 249.623+/-461.211 χ^2/NDF: 25.2/18

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

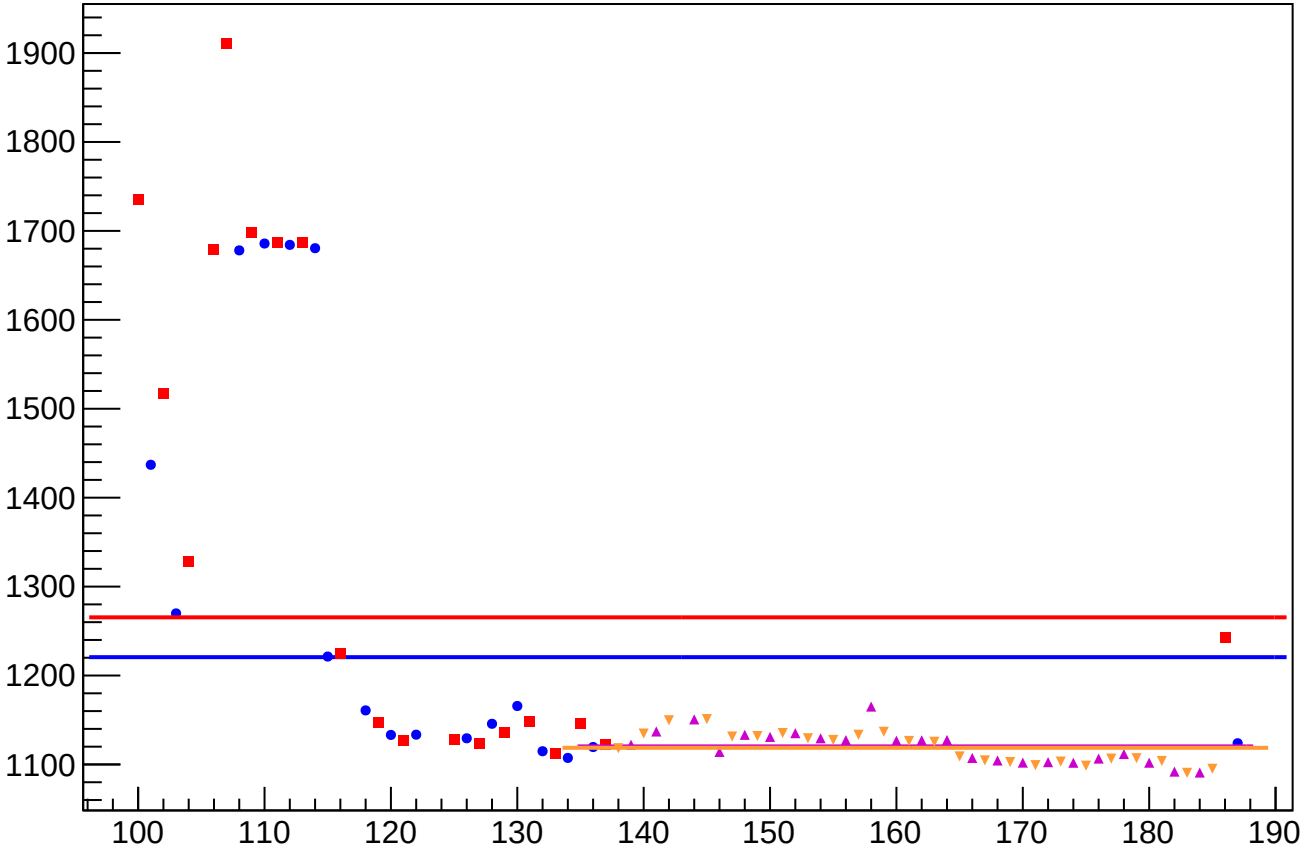
Right: 141.554+/-322.873 χ^2/NDF: 36.4/35

In: 75.667+/-226.434 χ^2/NDF:32.0/39

Out: 239.735+/-226.271 χ^2/NDF:47.9/42

All: 157.760+/-160.055 χ^2/NDF: 80.2/82

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.3/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1265.424+/-0.326 χ^2/NDF: 433131.3/18

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

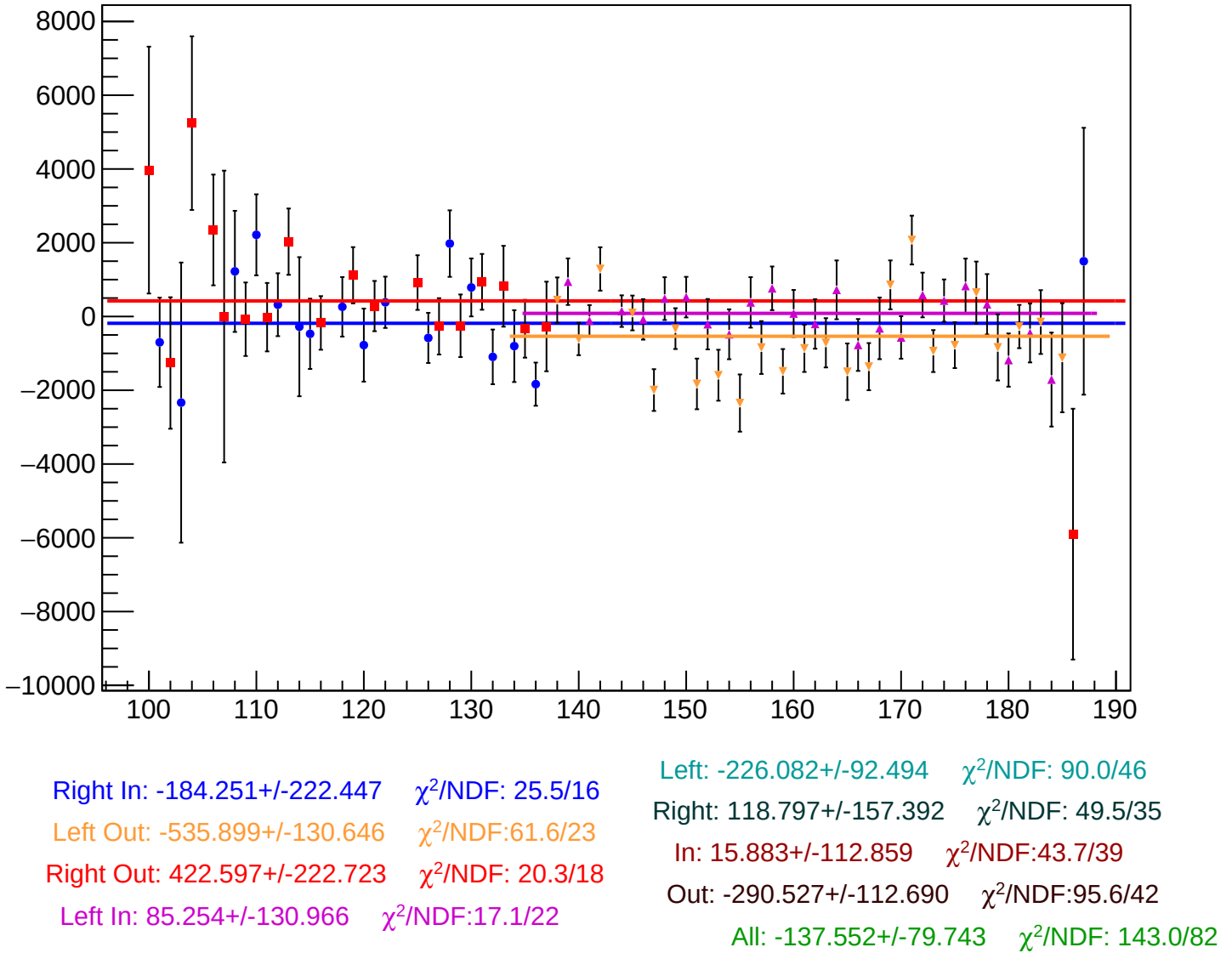
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

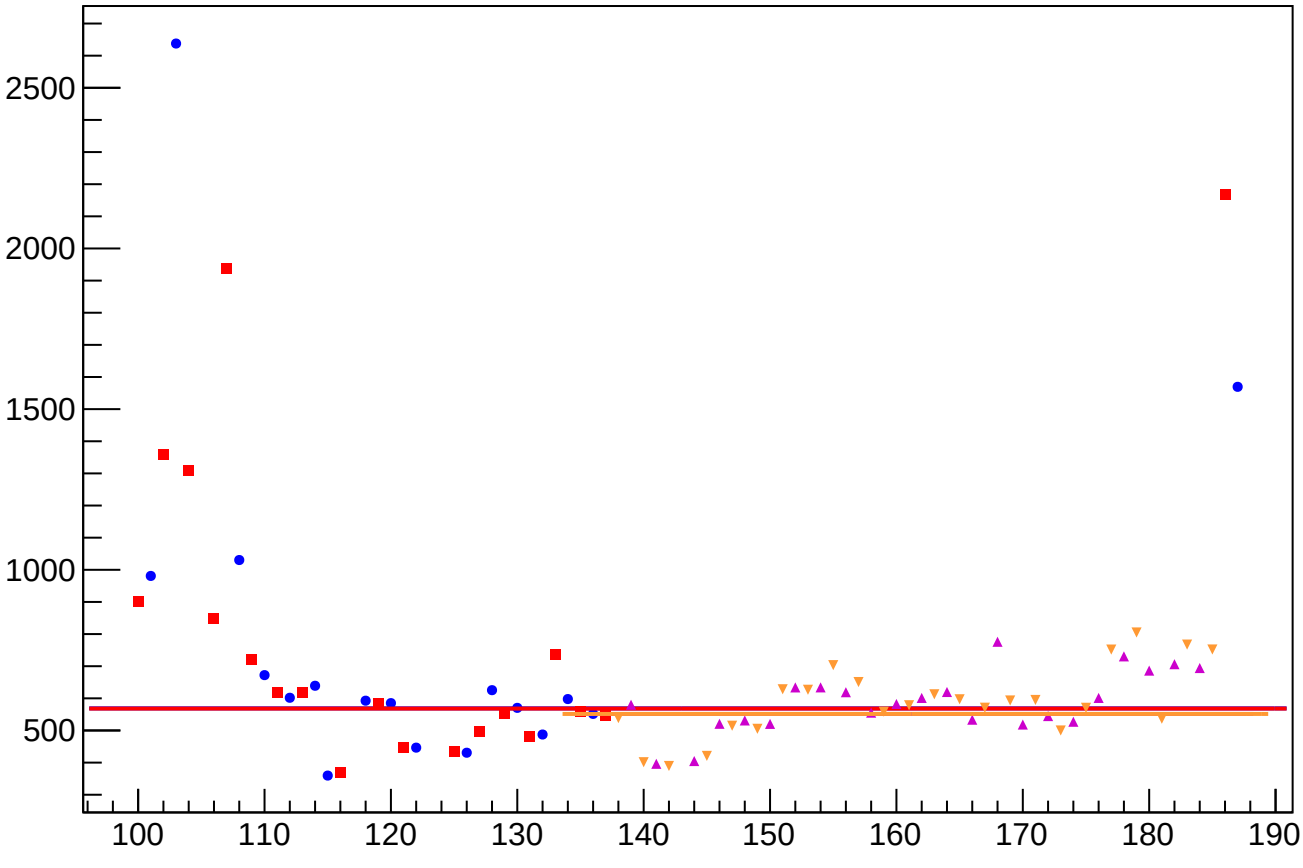
Right: 1242.594+/-0.228 χ^2/NDF: 740599.3/35

In: 1145.474+/-0.160 χ^2/NDF:381136.0/39

Out: 1154.040+/-0.160 χ^2/NDF:594959.6/42

All: 1149.760+/-0.113 χ^2/NDF: 977527.8/82


asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -184.251+/-222.447 χ²/NDF: 25.5/16
Left Out: -535.899+/-130.646 χ²/NDF:61.6/23
Right Out: 422.597+/-222.723 χ²/NDF: 20.3/18
Left In: 85.254+/-130.966 χ²/NDF:17.1/22
Left: -226.082+/-92.494 χ²/NDF: 90.0/46
Right: 118.797+/-157.392 χ²/NDF: 49.5/35
In: 15.883+/-112.859 χ²/NDF:43.7/39
Out: -290.527+/-112.690 χ²/NDF:95.6/42
All: -137.552+/-79.743 χ²/NDF: 143.0/82



Right In: 568.755+/-0.157 χ^2/NDF: 1438035.4/16

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 568.141+/-0.157 χ^2/NDF: 1797383.8/18

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

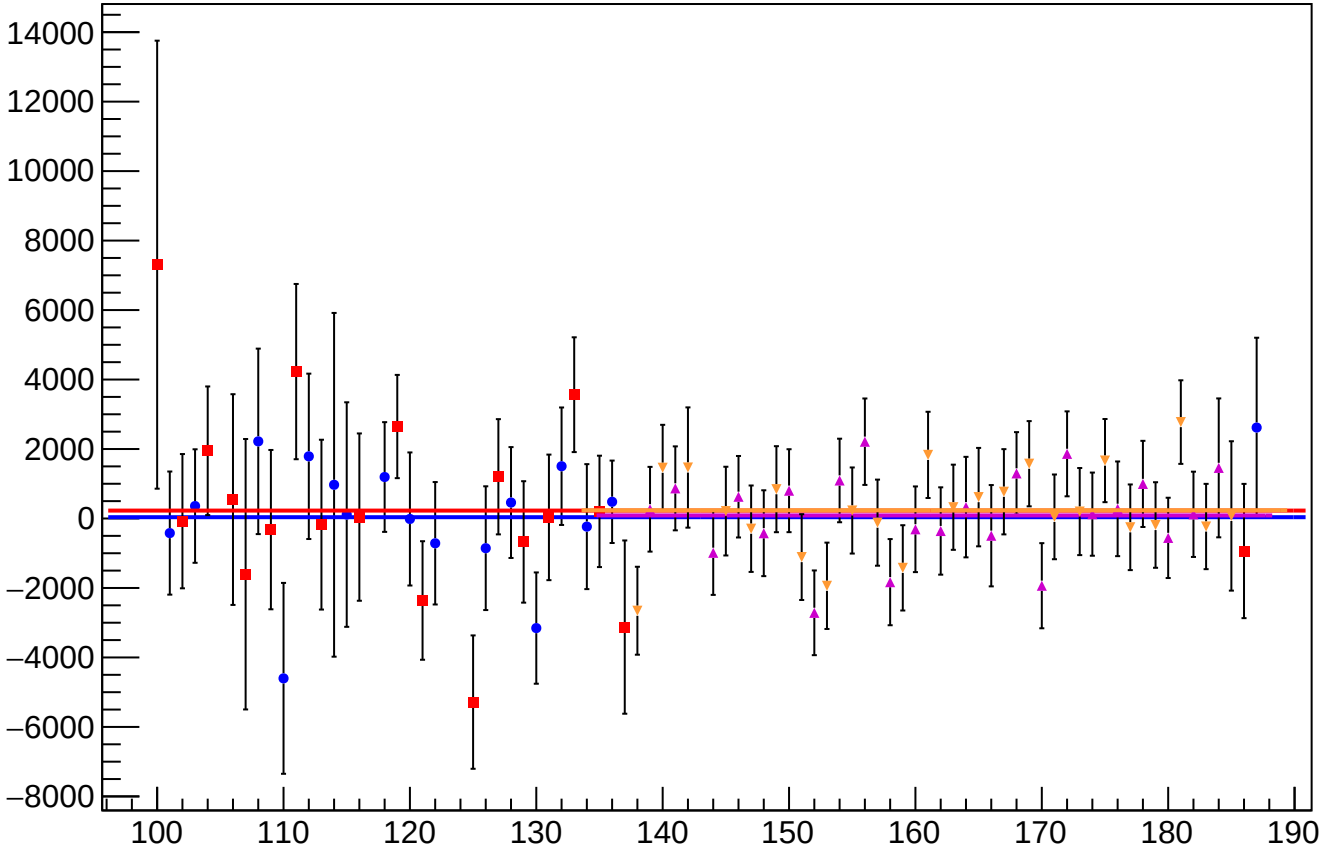
Right: 568.449+/-0.111 χ^2/NDF: 3235426.8/35

In: 555.820+/-0.080 χ^2/NDF:2508906.8/39

Out: 555.715+/-0.080 χ^2/NDF:3032367.2/42

All: 555.768+/-0.056 χ^2/NDF: 5541274.8/82

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 37.456+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 227.782+/-461.555 χ^2/NDF: 25.0/18

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

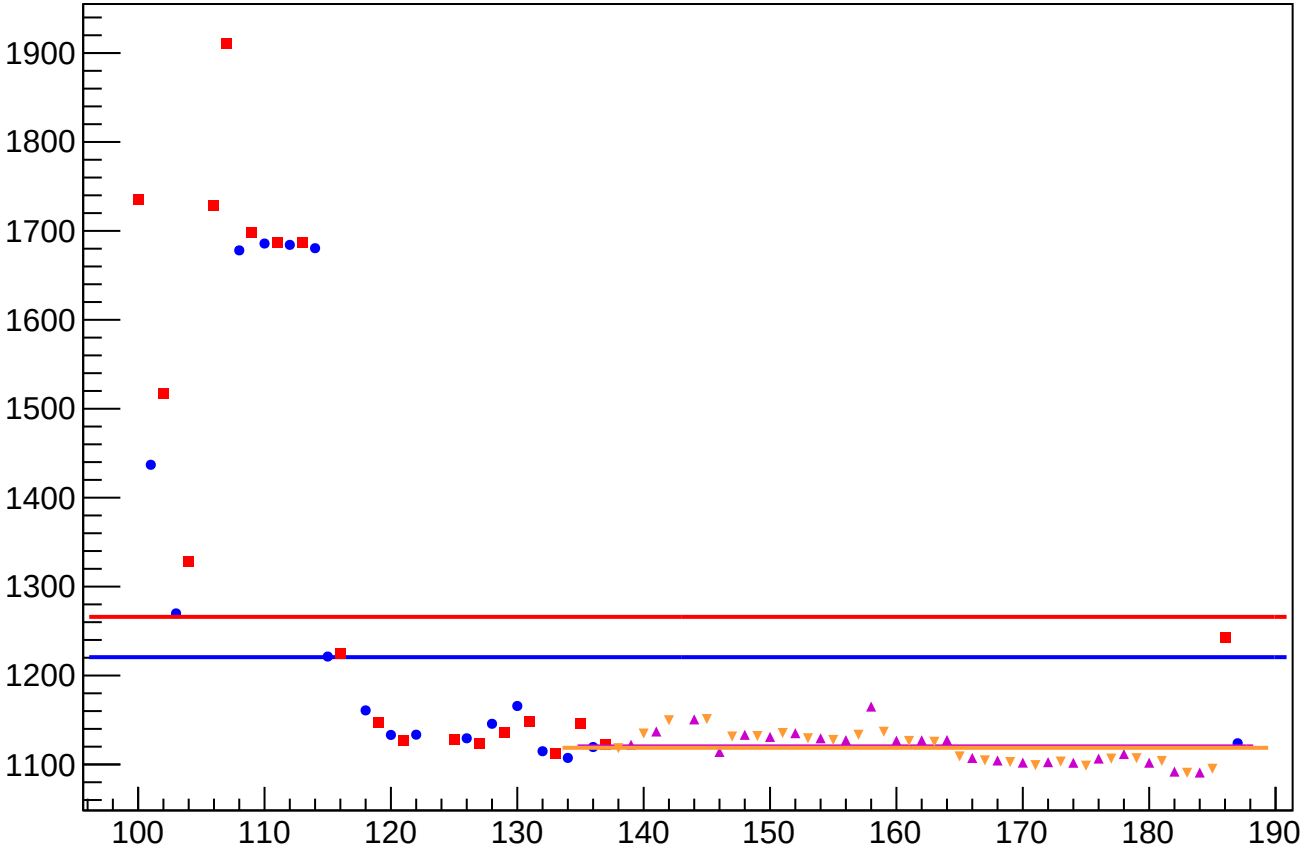
Right: 130.660+/-322.991 χ^2/NDF: 36.2/35

In: 75.601+/-226.434 χ^2/NDF:32.0/39

Out: 234.512+/-226.312 χ^2/NDF:47.7/42

All: 155.099+/-160.070 χ^2/NDF: 80.0/82

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.4/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1265.973+/-0.326 χ^2/NDF: 440282.4/18

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

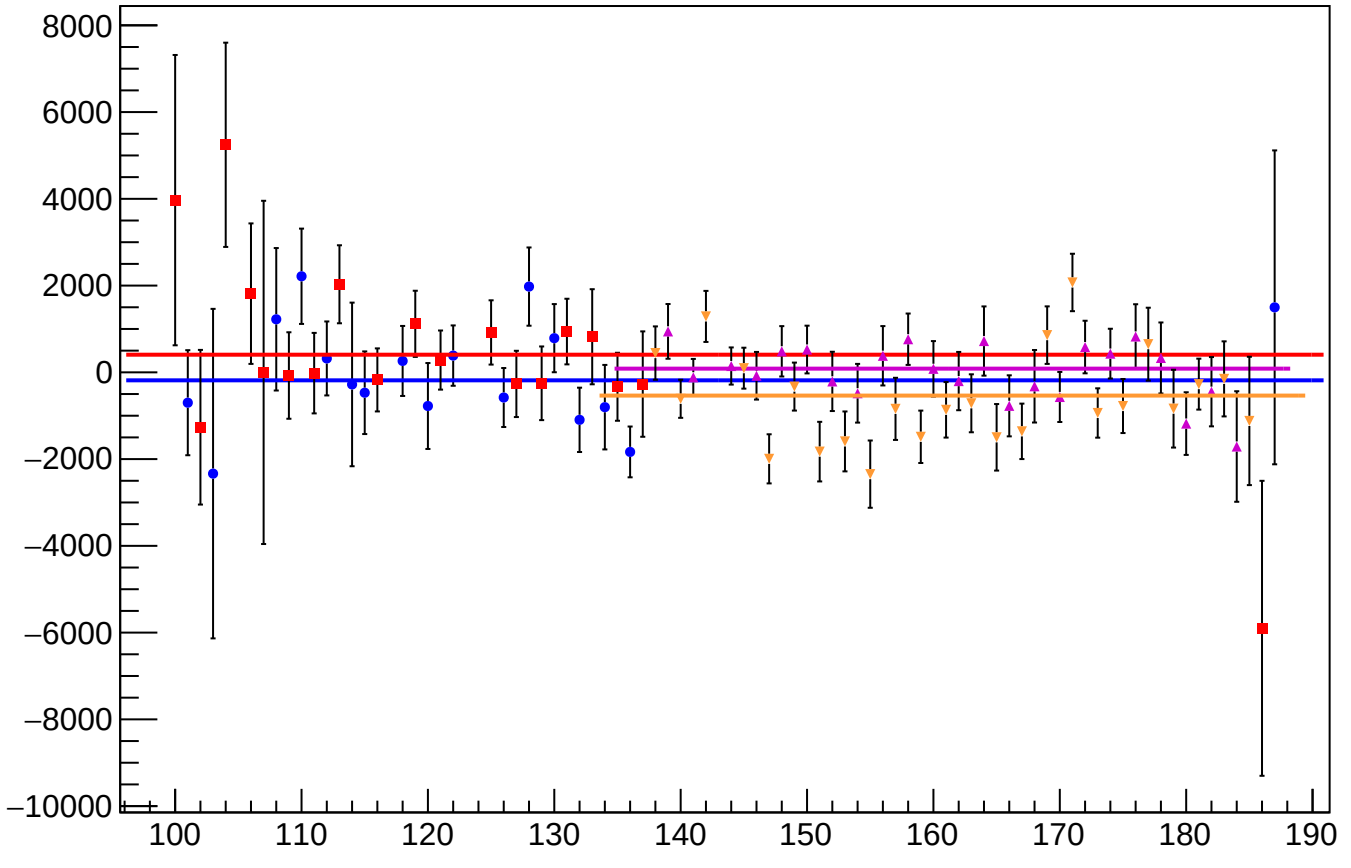
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1242.846+/-0.228 χ^2/NDF: 747979.8/35

In: 1145.474+/-0.160 χ^2/NDF:381136.1/39

Out: 1154.132+/-0.160 χ^2/NDF:603085.9/42

All: 1149.806+/-0.113 χ^2/NDF: 985684.7/82



Right In: -184.262+/-222.446 χ^2/NDF: 25.5/16

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 406.612+/-223.066 χ^2/NDF: 19.4/18

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

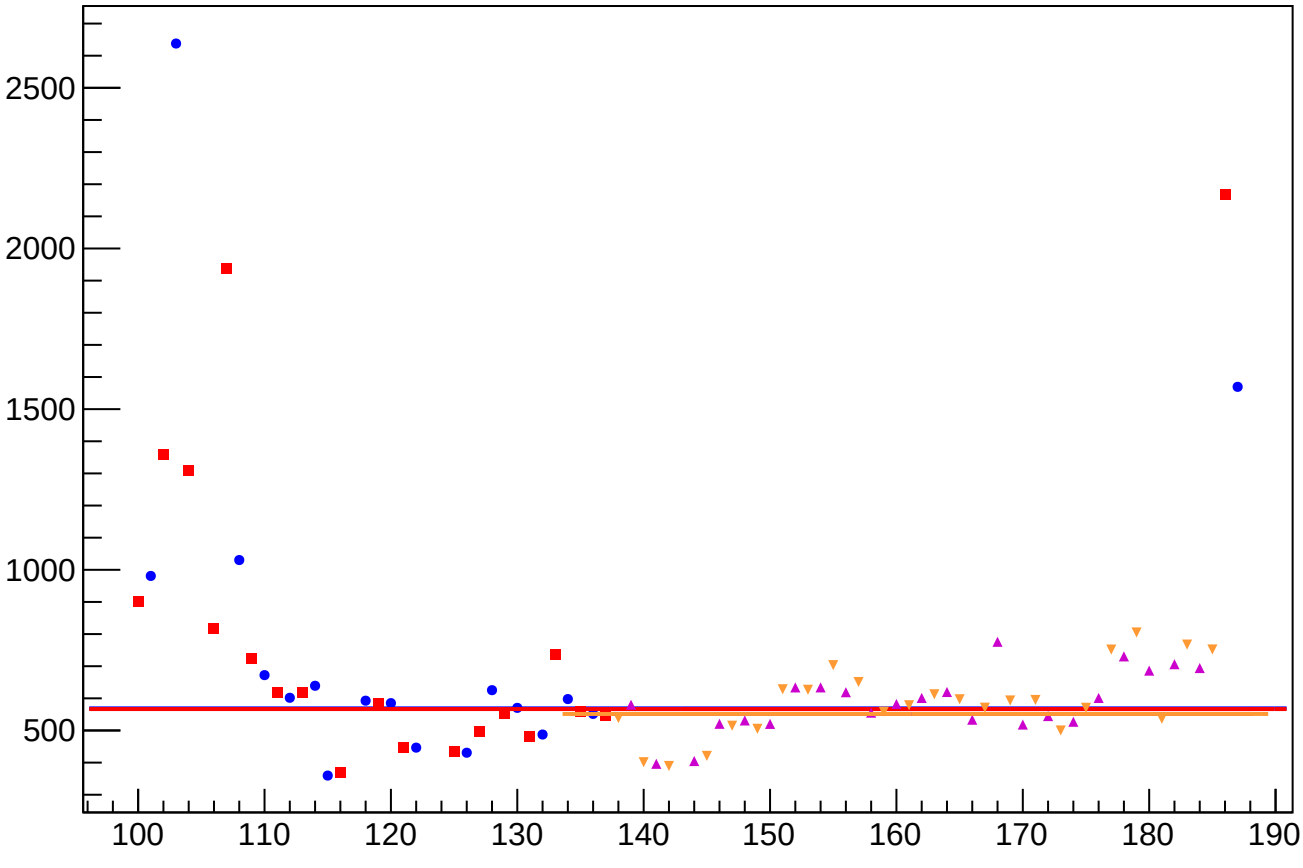
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 110.353+/-157.512 χ^2/NDF: 48.4/35

In: 15.871+/-112.858 χ^2/NDF:43.7/39

Out: -295.193+/-112.734 χ^2/NDF:94.2/42

All: -139.832+/-79.759 χ^2/NDF: 141.7/82



Right In: 568.751+/-0.157 χ^2/NDF: 1438012.9/16

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 566.683+/-0.158 χ^2/NDF: 1775317.2/18

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

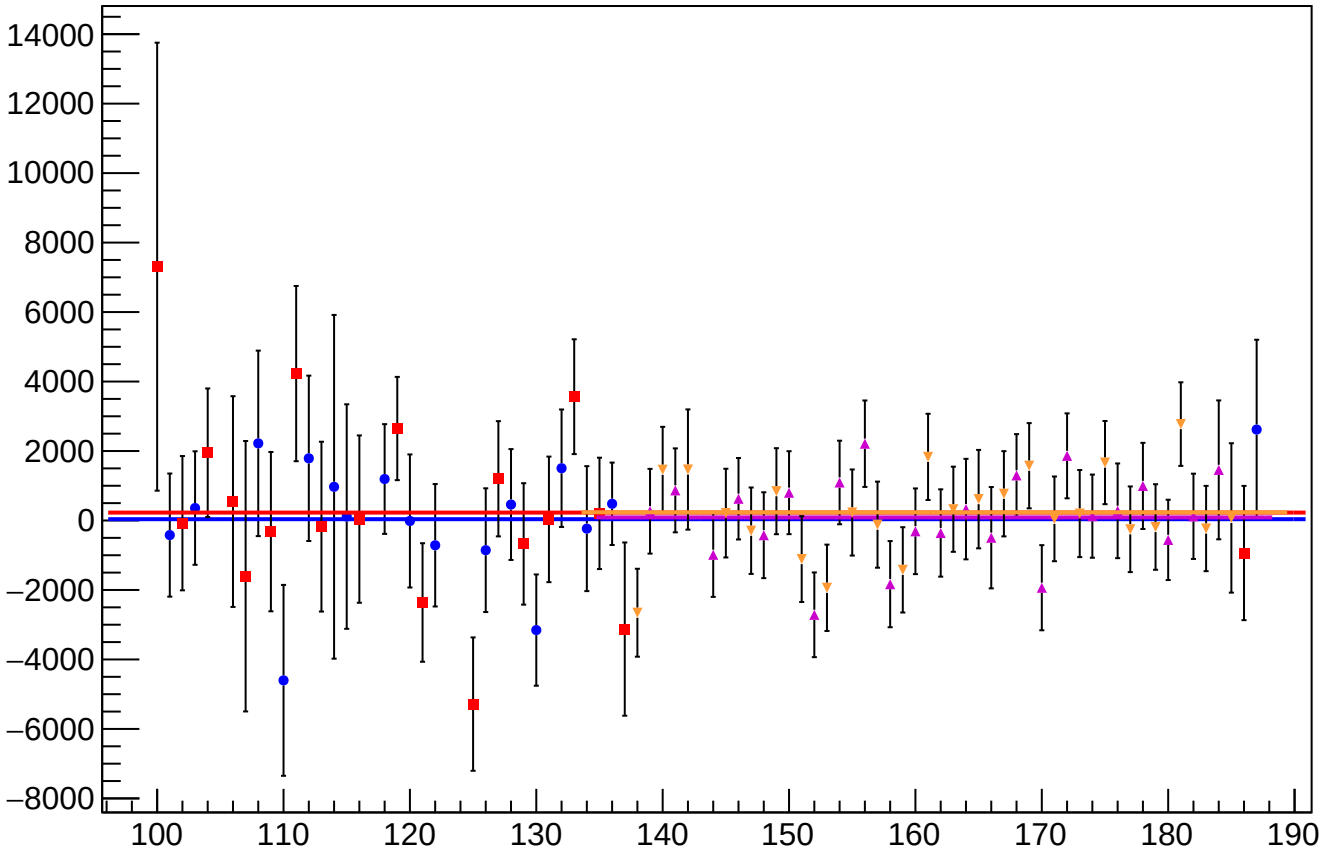
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 567.720+/-0.111 χ^2/NDF: 3213416.2/35

In: 555.818+/-0.080 χ^2/NDF:2508848.0/39

Out: 555.333+/-0.080 χ^2/NDF:3008903.8/42

All: 555.575+/-0.056 χ^2/NDF: 5517770.3/82



Right In: 37.456+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 227.782+/-461.555 χ^2/NDF: 25.0/18

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

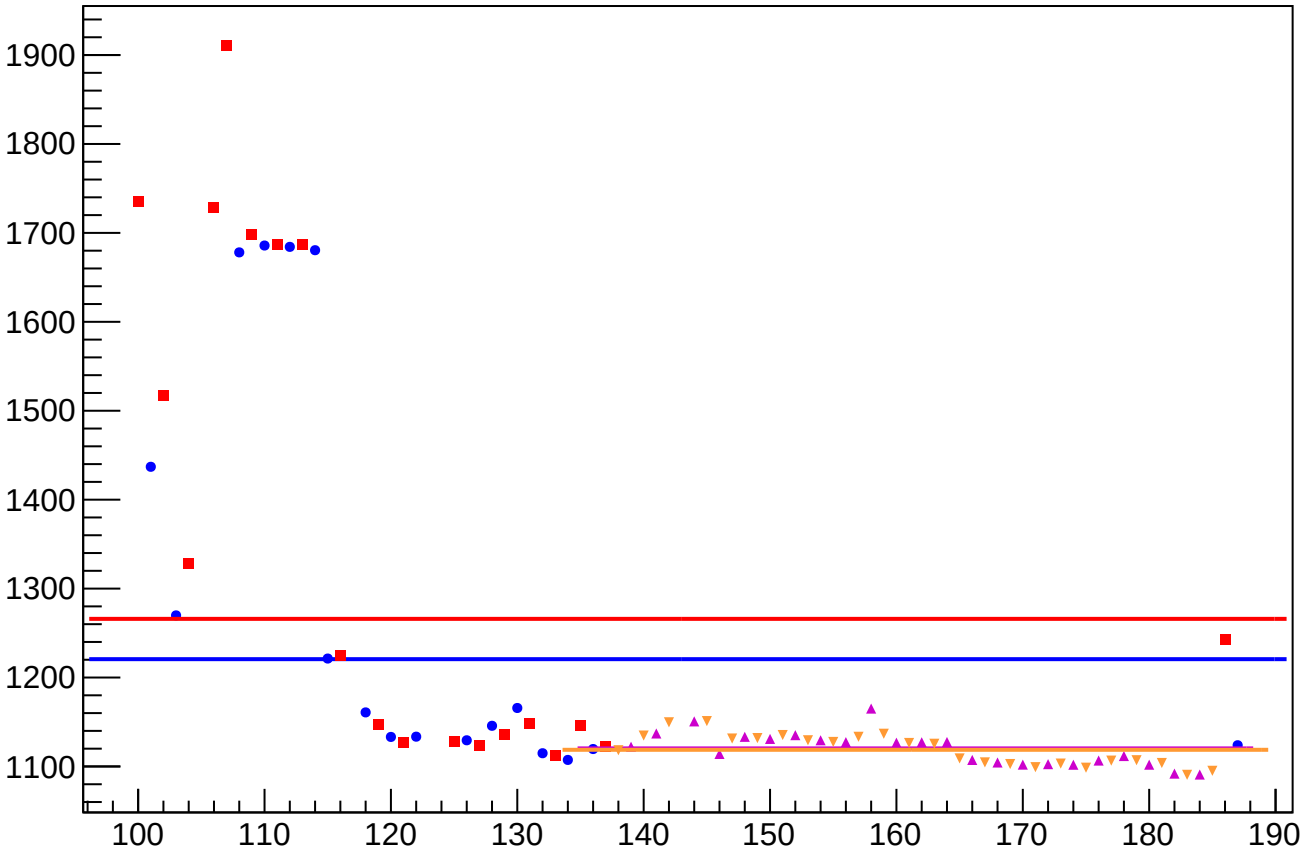
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 130.660+/-322.991 χ^2/NDF: 36.2/35

In: 75.601+/-226.434 χ^2/NDF:32.0/39

Out: 234.512+/-226.312 χ^2/NDF:47.7/42

All: 155.099+/-160.070 χ^2/NDF: 80.0/82



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.4/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1265.973+/-0.326 χ^2/NDF: 440282.4/18

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

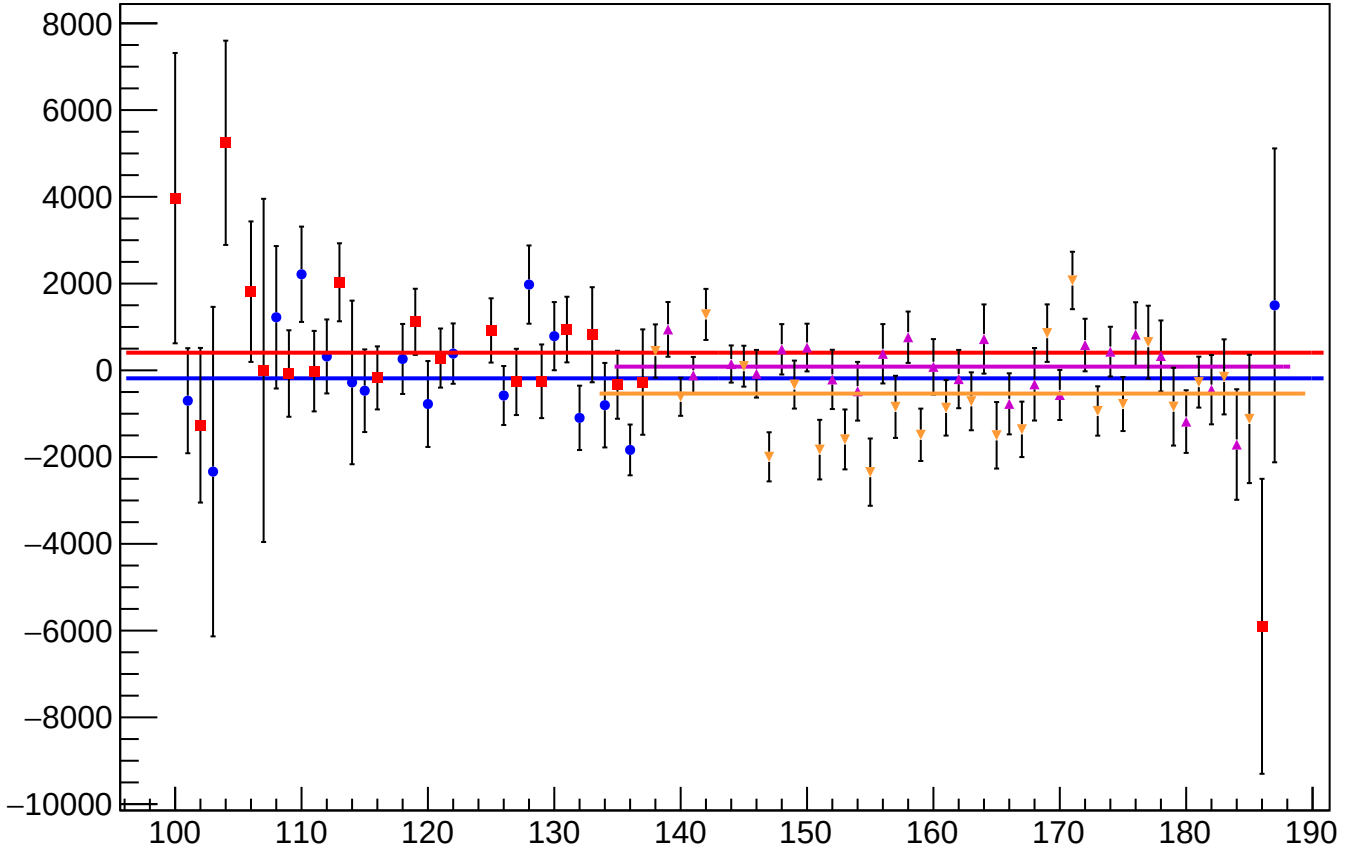
Right: 1242.846+/-0.228 χ^2/NDF: 747979.8/35

In: 1145.474+/-0.160 χ^2/NDF:381136.1/39

Out: 1154.132+/-0.160 χ^2/NDF:603085.9/42

All: 1149.806+/-0.113 χ^2/NDF: 985684.7/82

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -184.262+/-222.446 χ^2/NDF: 25.5/16

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 406.612+/-223.066 χ^2/NDF: 19.4/18

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

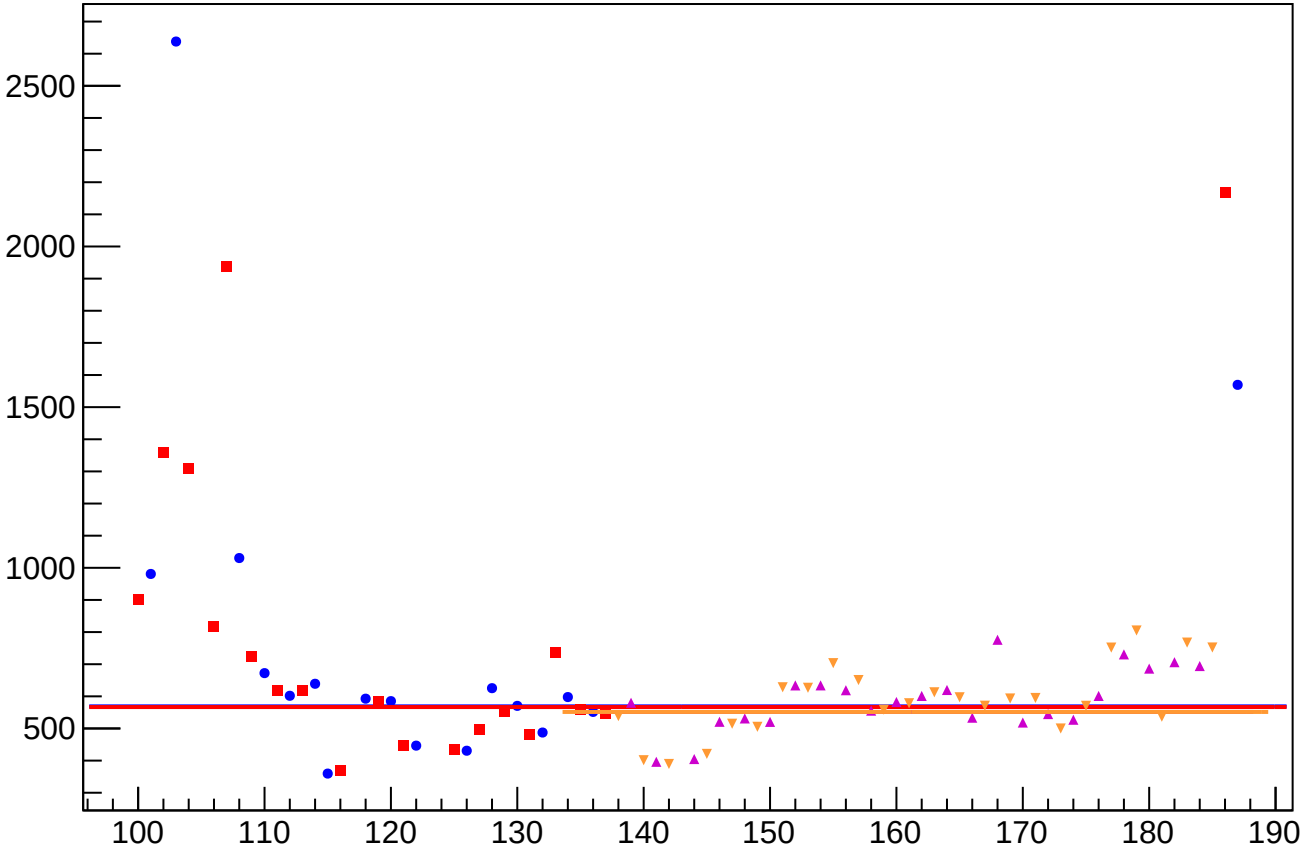
Right: 110.353+/-157.512 χ^2/NDF: 48.4/35

In: 15.871+/-112.858 χ^2/NDF:43.7/39

Out: -295.193+/-112.734 χ^2/NDF:94.2/42

All: -139.832+/-79.759 χ^2/NDF: 141.7/82

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 568.751+/-0.157 χ^2/NDF: 1438012.9/16

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 566.683+/-0.158 χ^2/NDF: 1775317.2/18

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

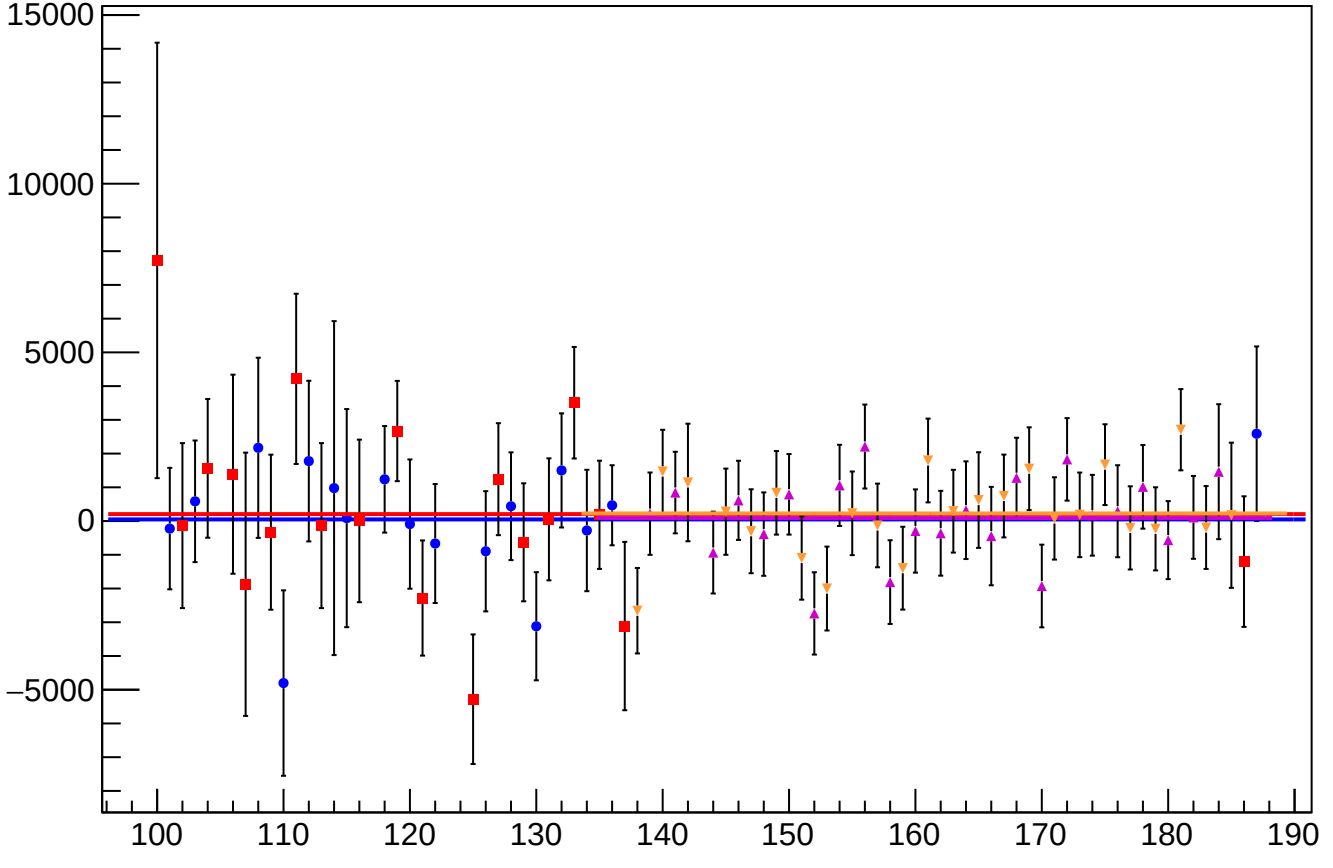
Right: 567.720+/-0.111 χ^2/NDF: 3213416.2/35

In: 555.818+/-0.080 χ^2/NDF:2508848.0/39

Out: 555.333+/-0.080 χ^2/NDF:3008903.8/42

All: 555.575+/-0.056 χ^2/NDF: 5517770.3/82

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 48.341+/-455.967 χ^2/NDF: 11.3/16

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 205.459+/-469.394 χ^2/NDF: 24.8/18

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

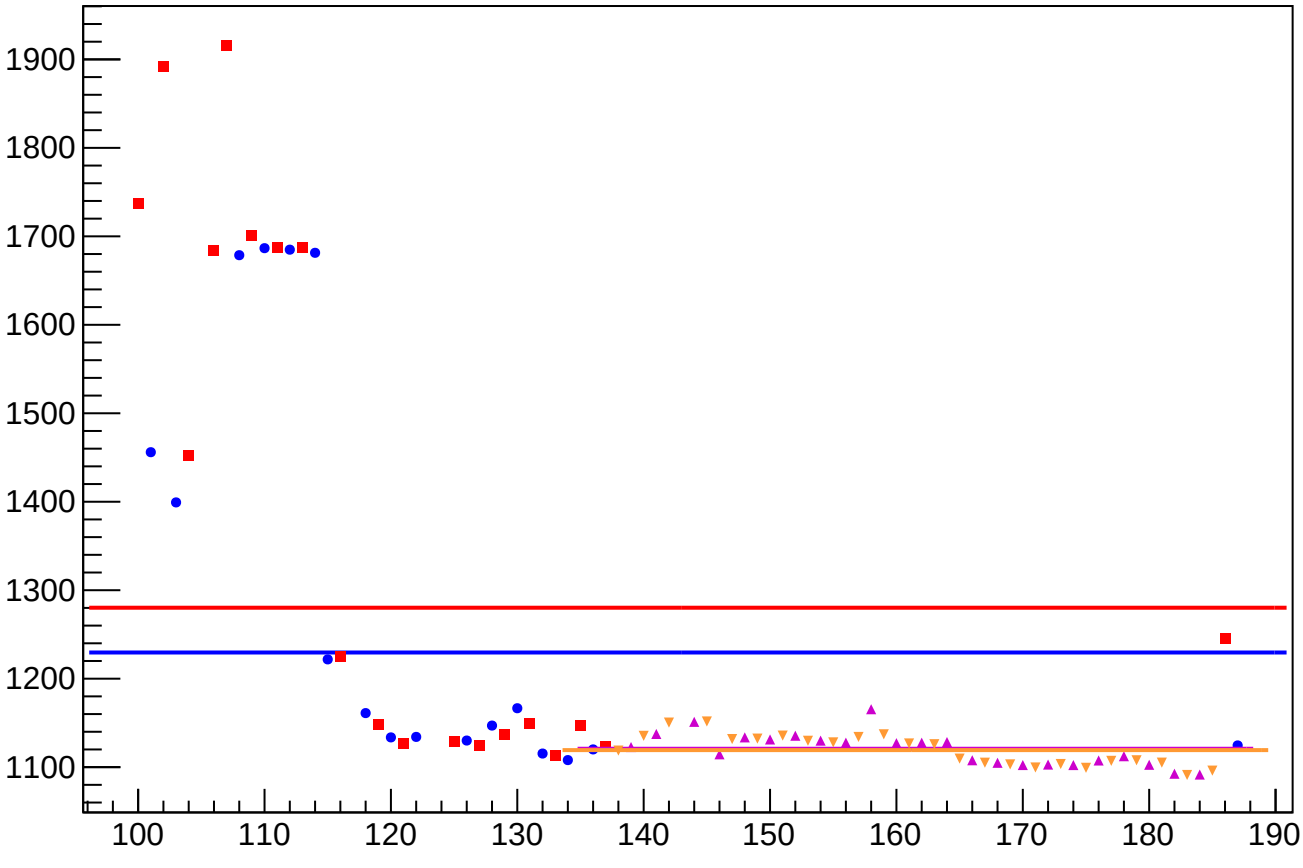
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 124.620+/-327.061 χ^2/NDF: 36.1/35

In: 78.983+/-226.984 χ^2/NDF:31.8/39

Out: 220.924+/-227.326 χ^2/NDF:47.0/42

All: 149.847+/-160.622 χ^2/NDF: 79.0/82



Right In: 1229.598+/-0.322 χ^2/NDF: 318873.4/16

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1280.214+/-0.332 χ^2/NDF: 544102.5/18

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

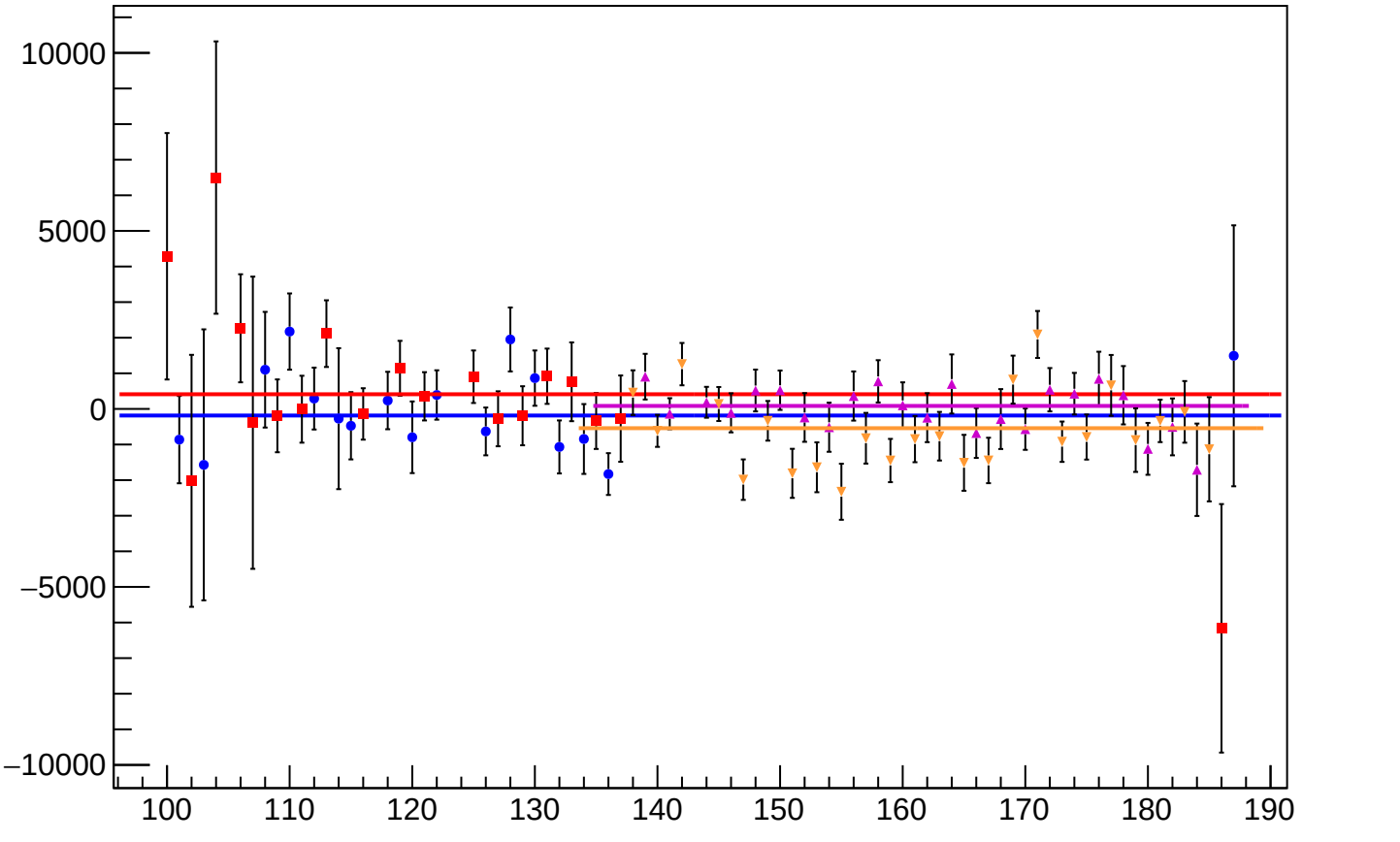
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1254.172+/-0.231 χ^2/NDF: 874941.1/35

In: 1147.762+/-0.161 χ^2/NDF:413950.3/39

Out: 1157.009+/-0.161 χ^2/NDF:732252.5/42

All: 1152.378+/-0.114 χ^2/NDF: 1147860.0/82



Right In: -185.333+/-222.353 χ^2/NDF: 25.5/16

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 411.890+/-226.124 χ^2/NDF: 18.2/18

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

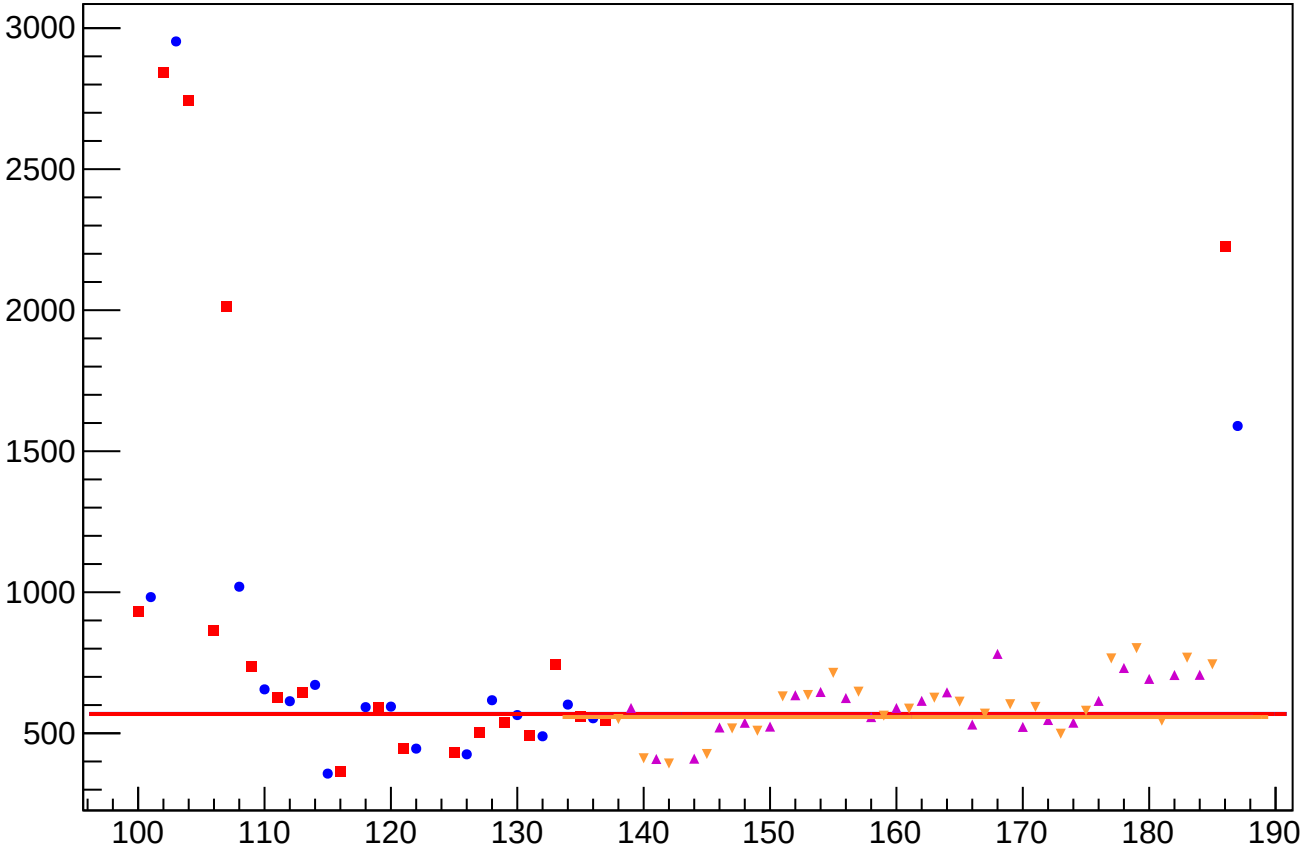
Right: 108.257+/-158.544 χ^2/NDF: 47.3/35

In: 13.475+/-113.854 χ^2/NDF:43.0/39

Out: -299.227+/-114.006 χ^2/NDF:92.4/42

All: -142.667+/-80.560 χ^2/NDF: 139.1/82

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 568.642+/-0.157 χ^2/NDF: 1636111.2/16

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 568.264+/-0.160 χ^2/NDF: 2726791.4/18

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

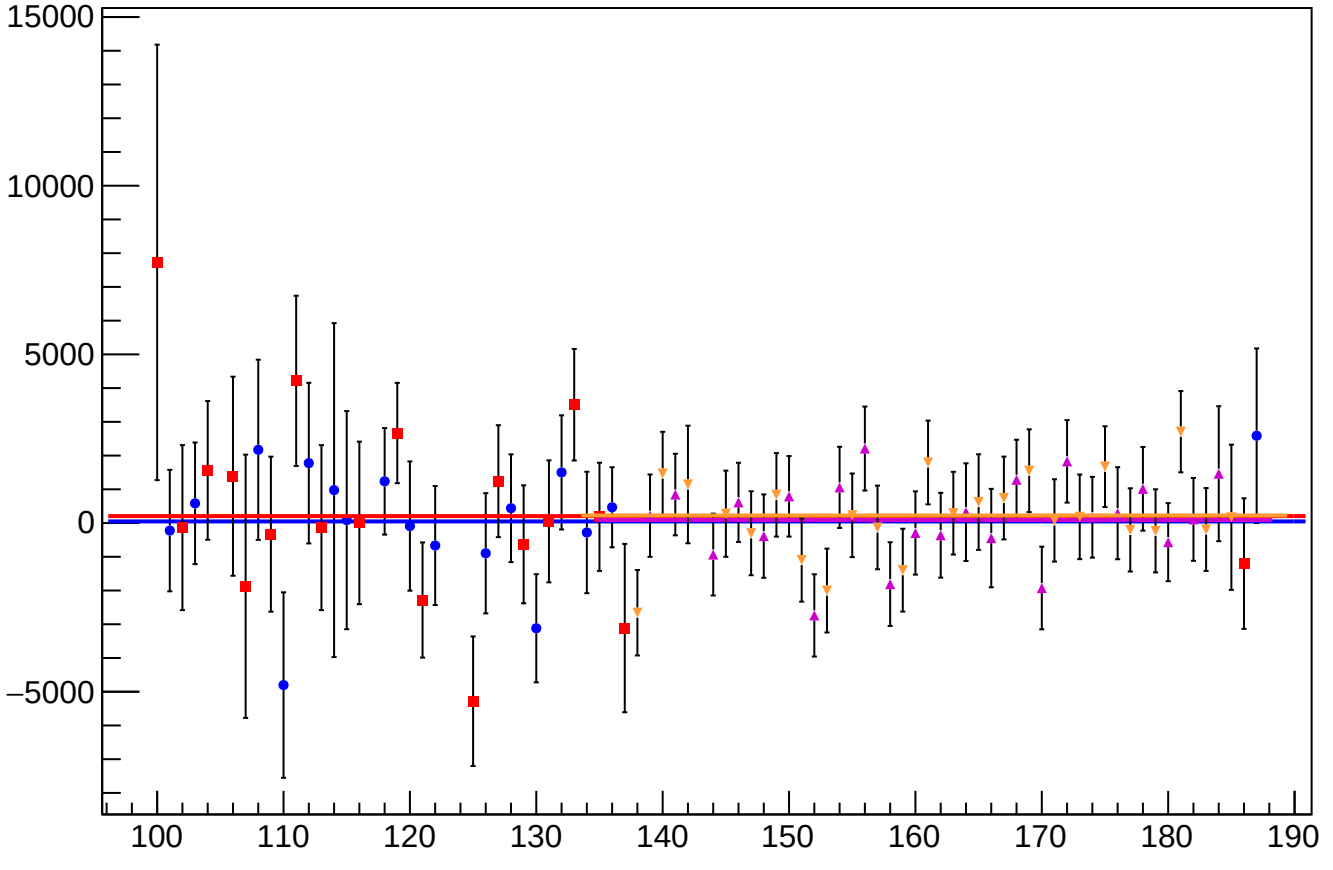
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 568.456+/-0.112 χ^2/NDF: 4362905.4/35

In: 561.080+/-0.081 χ^2/NDF:2667060.7/39

Out: 560.305+/-0.081 χ^2/NDF:3923384.3/42

All: 560.693+/-0.057 χ^2/NDF: 6590491.3/82



Right In: 48.342+/-455.967 χ^2/NDF: 11.3/16

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 205.458+/-469.394 χ^2/NDF: 24.8/18

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

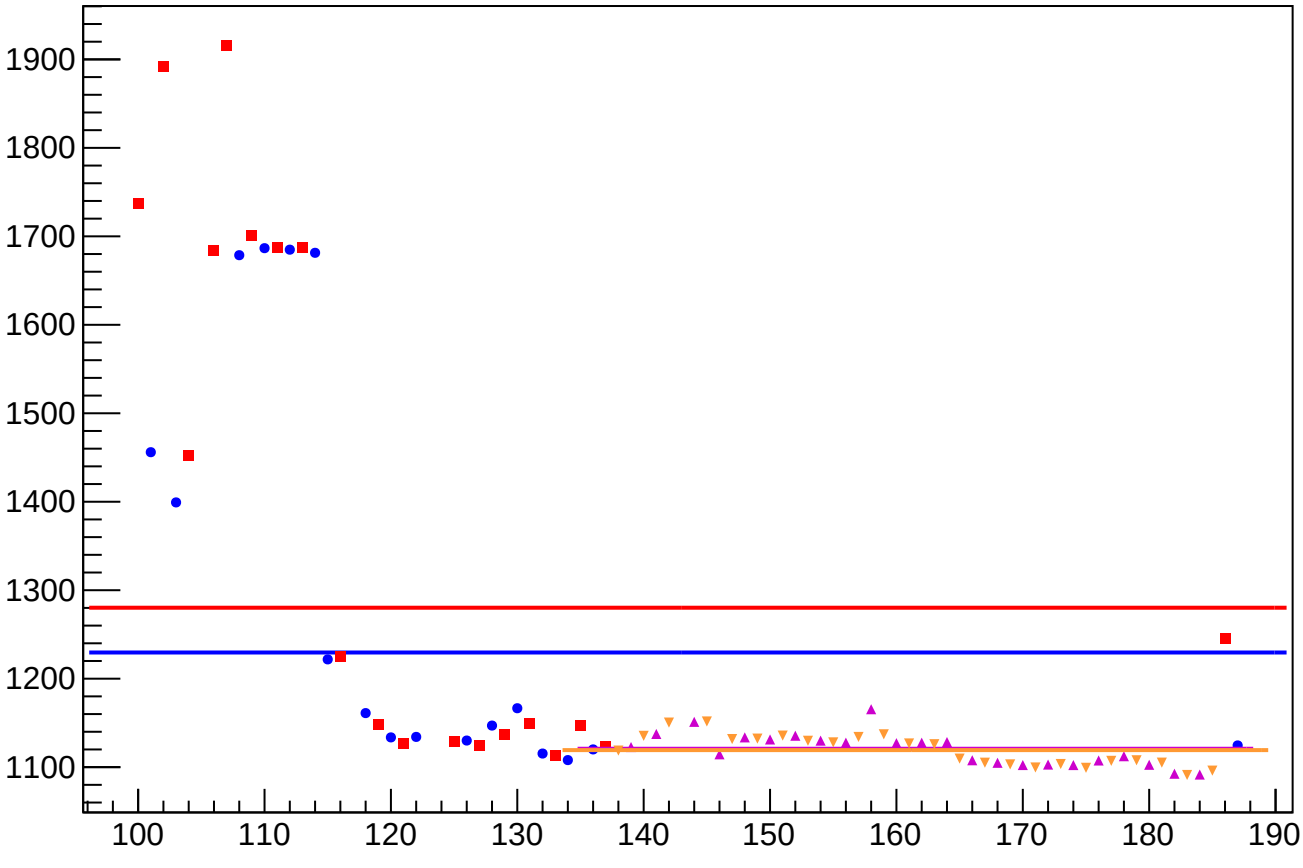
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 124.620+/-327.061 χ^2/NDF: 36.1/35

In: 78.984+/-226.984 χ^2/NDF:31.8/39

Out: 220.923+/-227.326 χ^2/NDF:47.0/42

All: 149.846+/-160.622 χ^2/NDF: 79.0/82



Right In: 1229.598+/-0.322 χ^2/NDF: 318873.1/16

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1280.214+/-0.332 χ^2/NDF: 544102.0/18

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

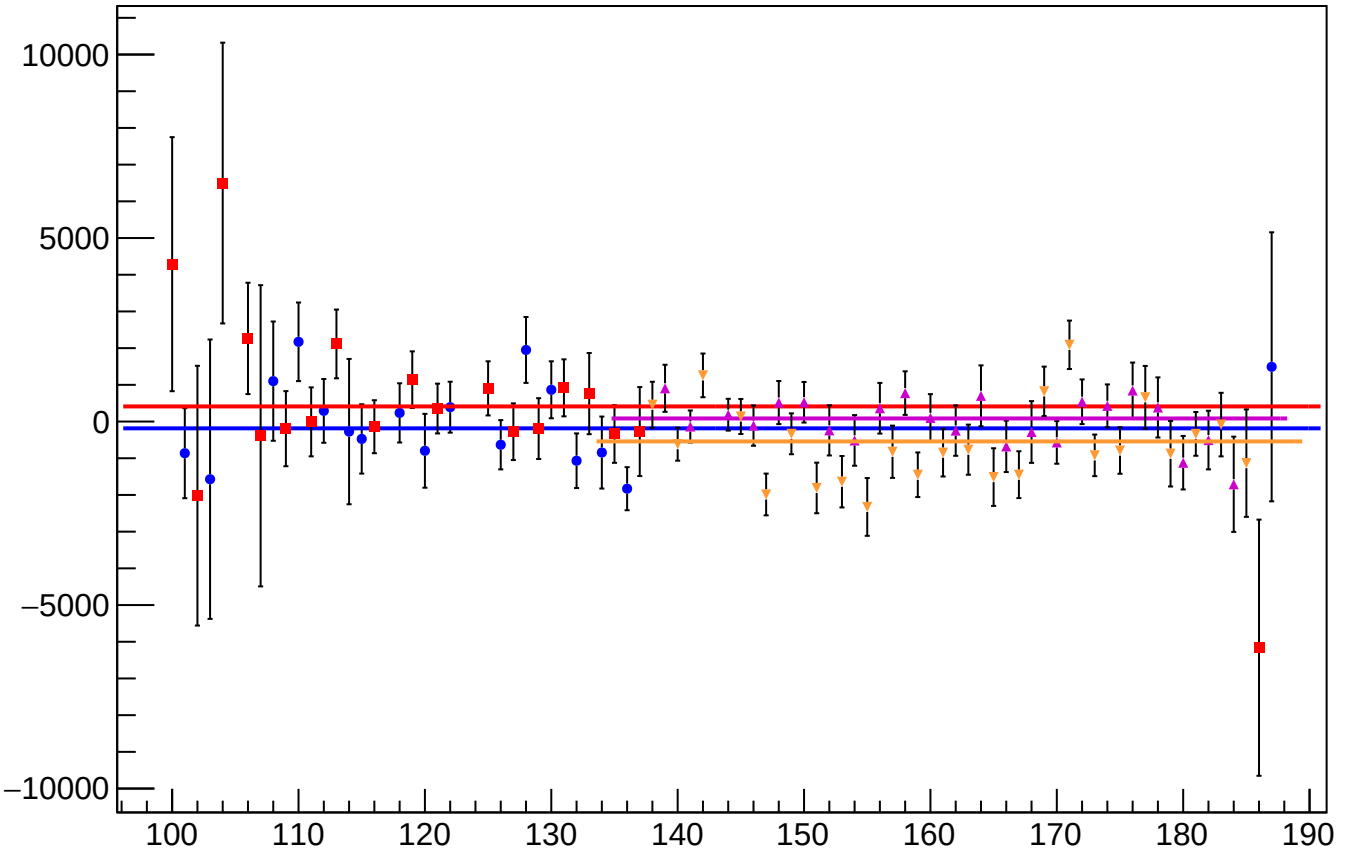
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1254.171+/-0.231 χ^2/NDF: 874940.2/35

In: 1147.762+/-0.161 χ^2/NDF:413949.7/39

Out: 1157.009+/-0.161 χ^2/NDF:732251.7/42

All: 1152.378+/-0.114 χ^2/NDF: 1147858.7/82



Right In: -185.332+/-222.353 χ^2/NDF: 25.5/16

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 411.890+/-226.124 χ^2/NDF: 18.2/18

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

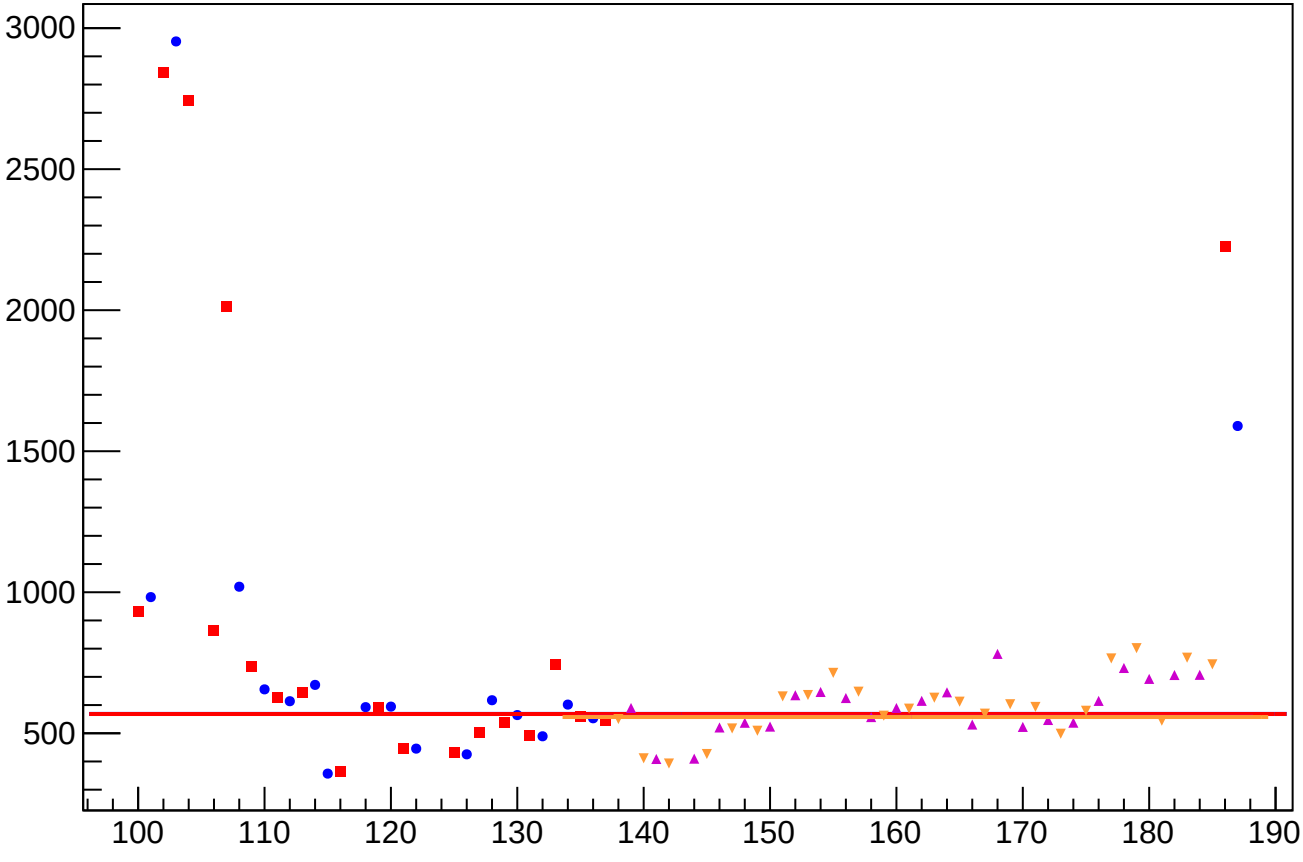
Right: 108.258+/-158.544 χ^2/NDF: 47.3/35

In: 13.475+/-113.854 χ^2/NDF:43.0/39

Out: -299.226+/-114.006 χ^2/NDF:92.4/42

All: -142.667+/-80.560 χ^2/NDF: 139.1/82

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 568.642+/-0.157 χ^2/NDF: 1636108.3/16

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 568.264+/-0.160 χ^2/NDF: 2726792.1/18

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

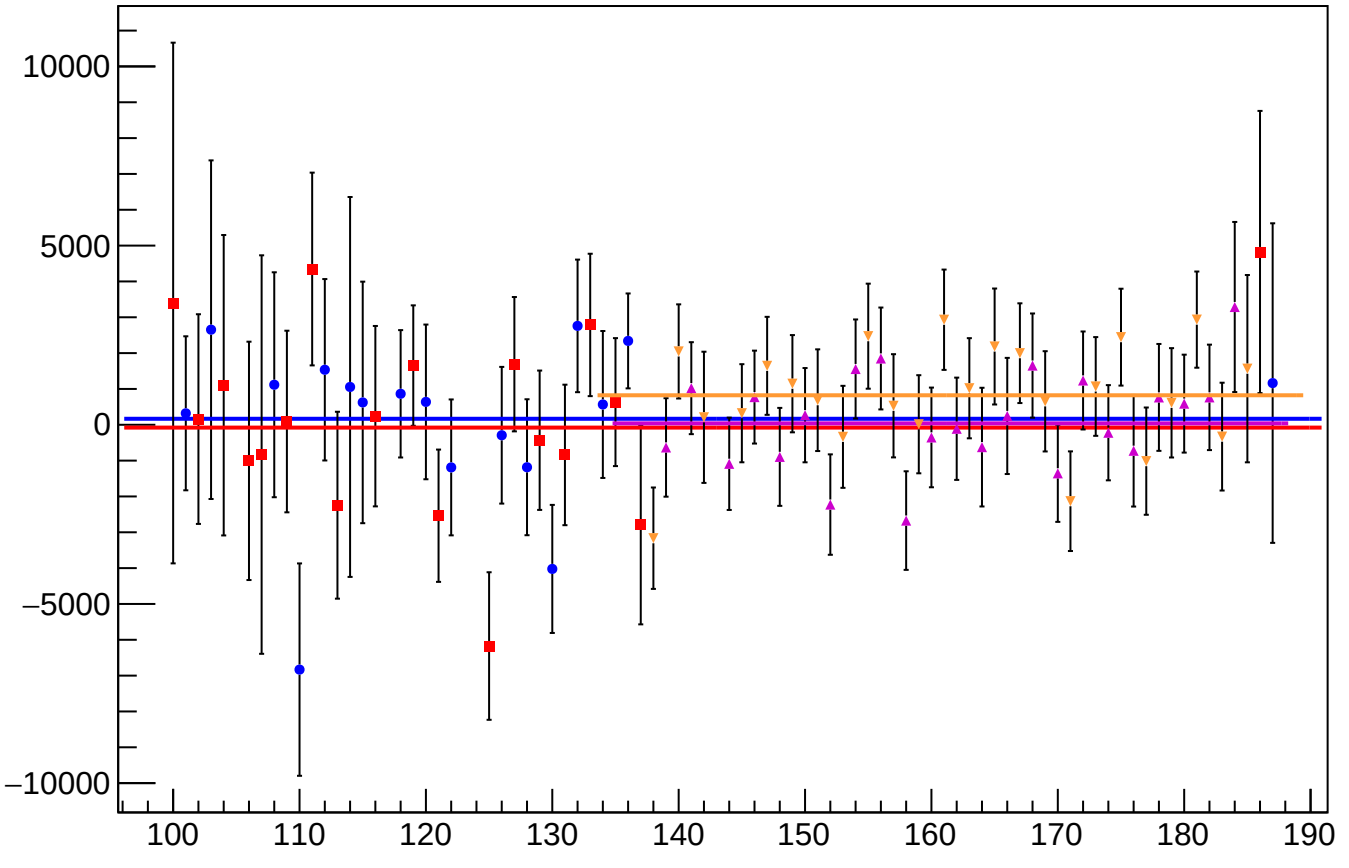
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 568.456+/-0.112 χ^2/NDF: 4362903.3/35

In: 561.080+/-0.081 χ^2/NDF:2667072.6/39

Out: 560.304+/-0.081 χ^2/NDF:3923406.5/42

All: 560.692+/-0.057 χ^2/NDF: 6590525.5/82



Right In: 167.560+/-528.348 χ^2/NDF: 17.8/16

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -78.660+/-544.860 χ^2/NDF: 21.2/18

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

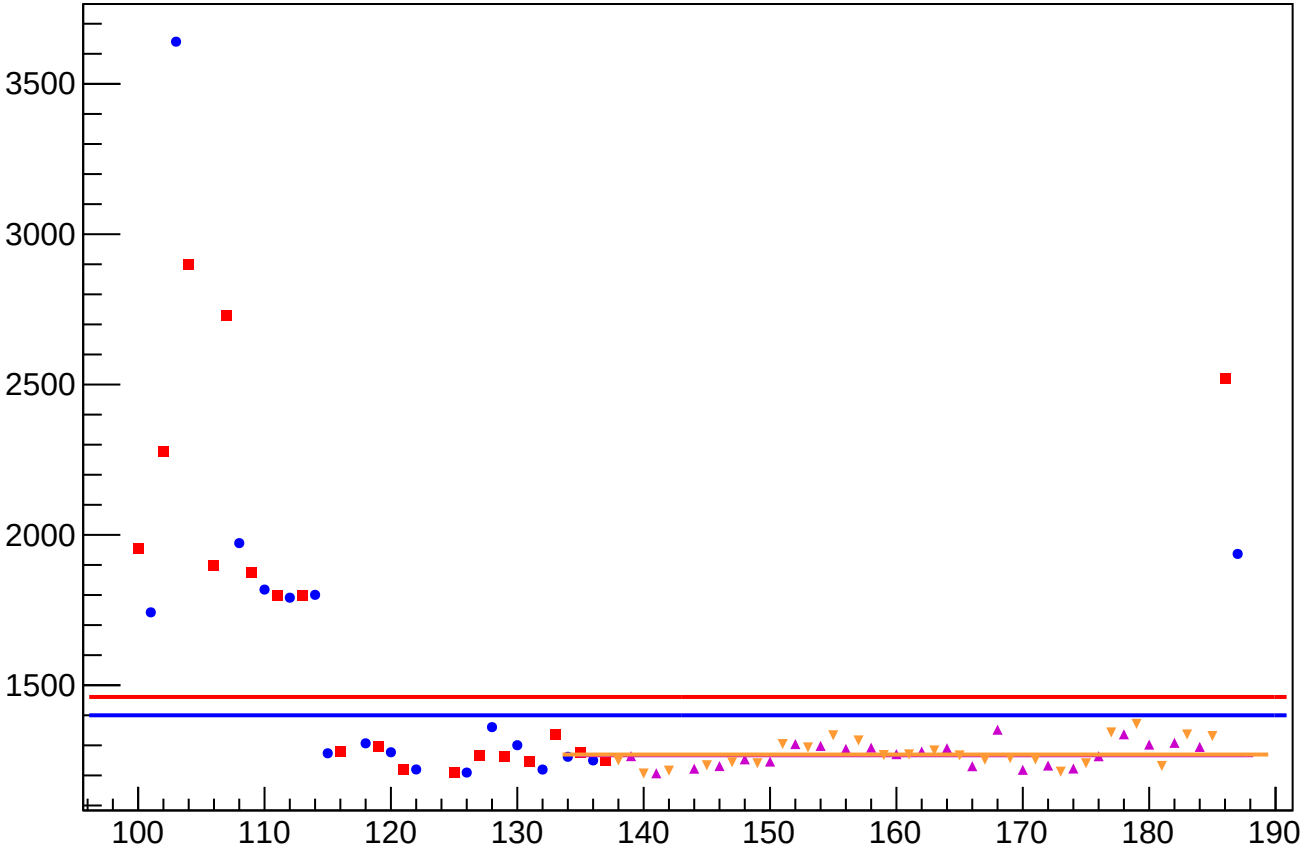
Right: 48.237+/-379.301 χ^2/NDF: 39.2/35

In: 70.242+/-258.240 χ^2/NDF:35.7/39

Out: 619.028+/-259.305 χ^2/NDF:49.6/42

All: 343.505+/-182.979 χ^2/NDF: 87.5/82

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1399.942+/-0.374 χ^2/NDF: 808635.0/16

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1460.924+/-0.385 χ^2/NDF: 1002768.6/18

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

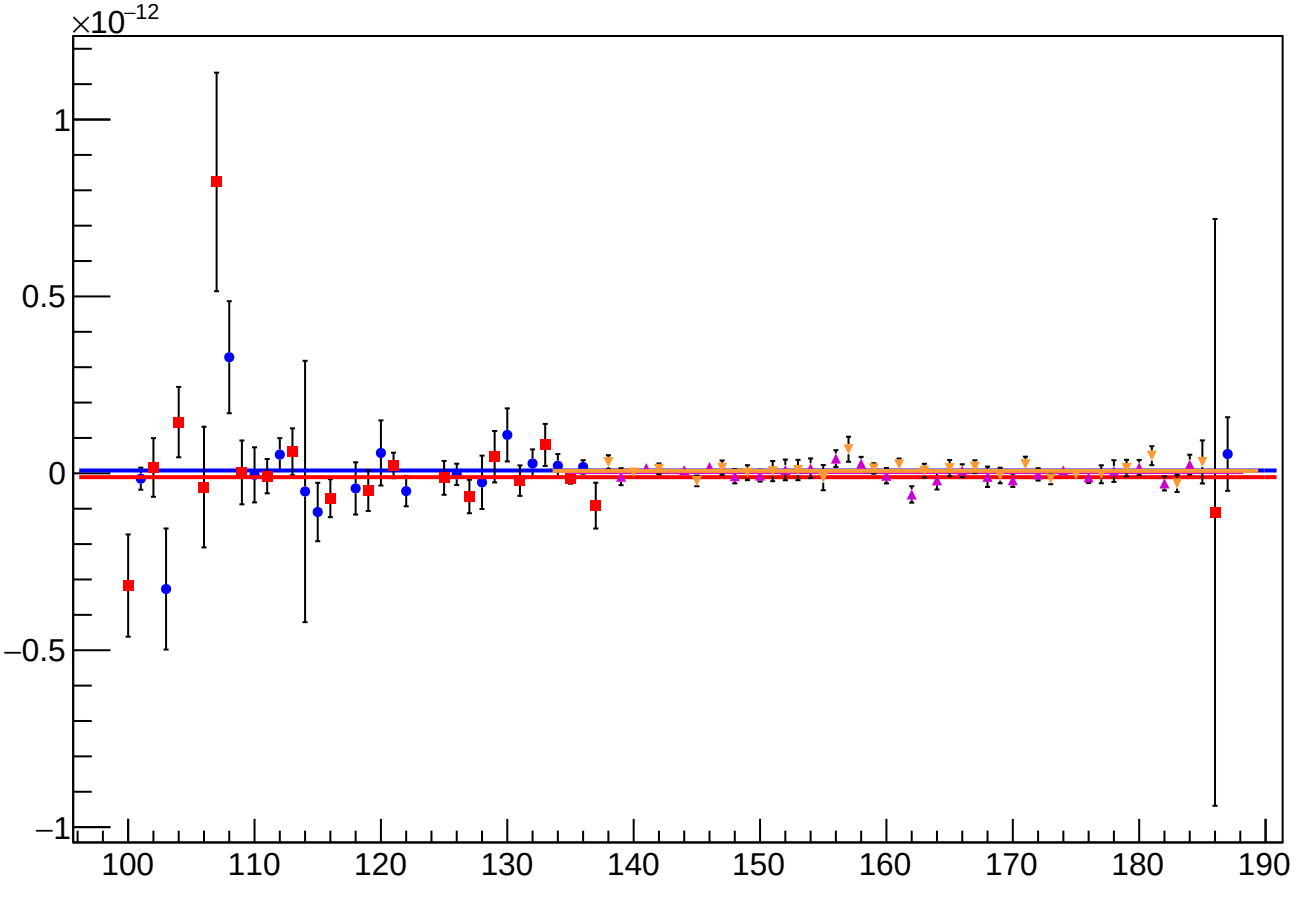
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1429.495+/-0.268 χ^2/NDF: 1824315.2/35

In: 1298.809+/-0.183 χ^2/NDF:939461.1/39

Out: 1312.810+/-0.183 χ^2/NDF:1236875.7/42

All: 1305.781+/-0.129 χ^2/NDF: 2179264.1/82



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

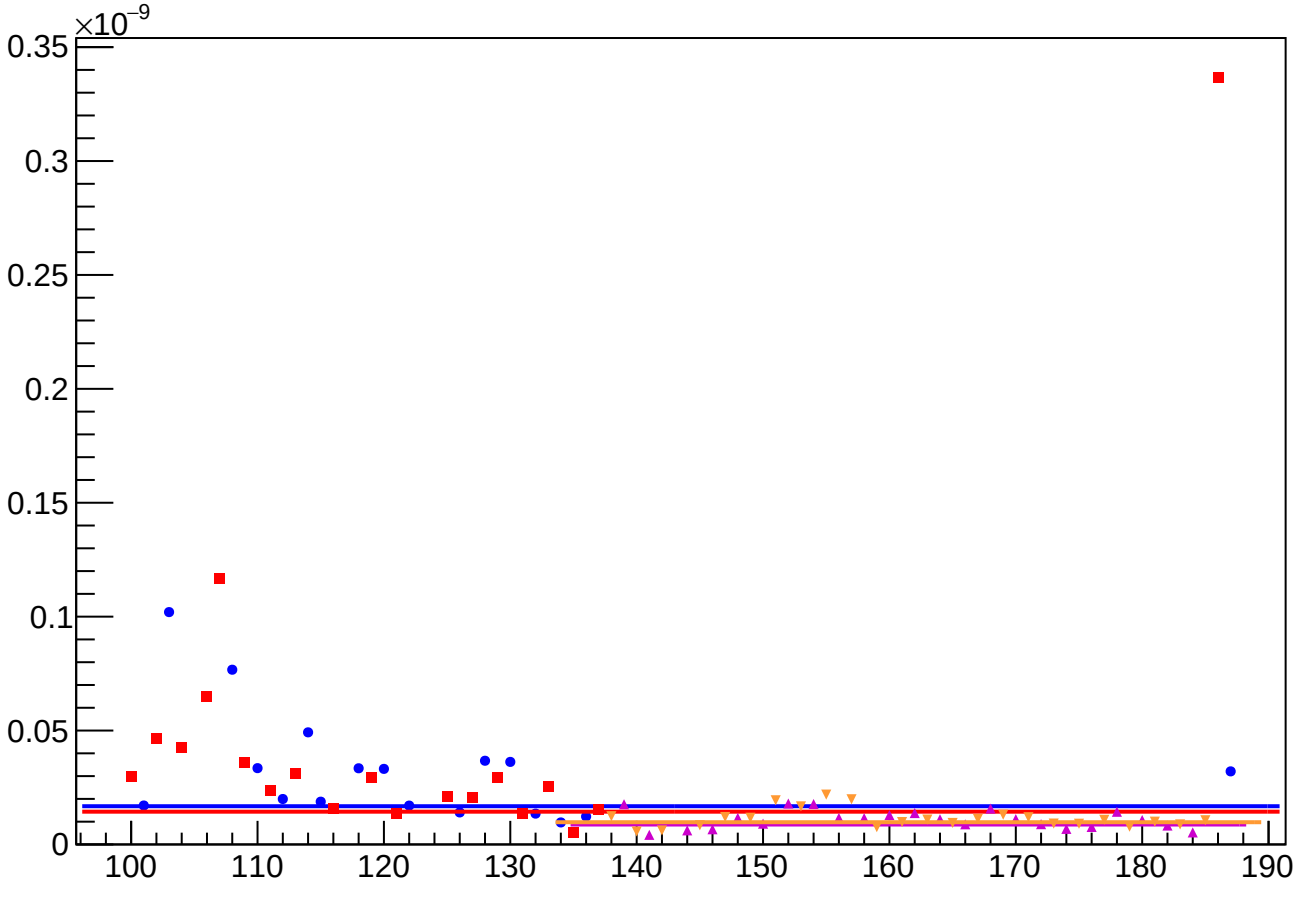
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 42.7/35

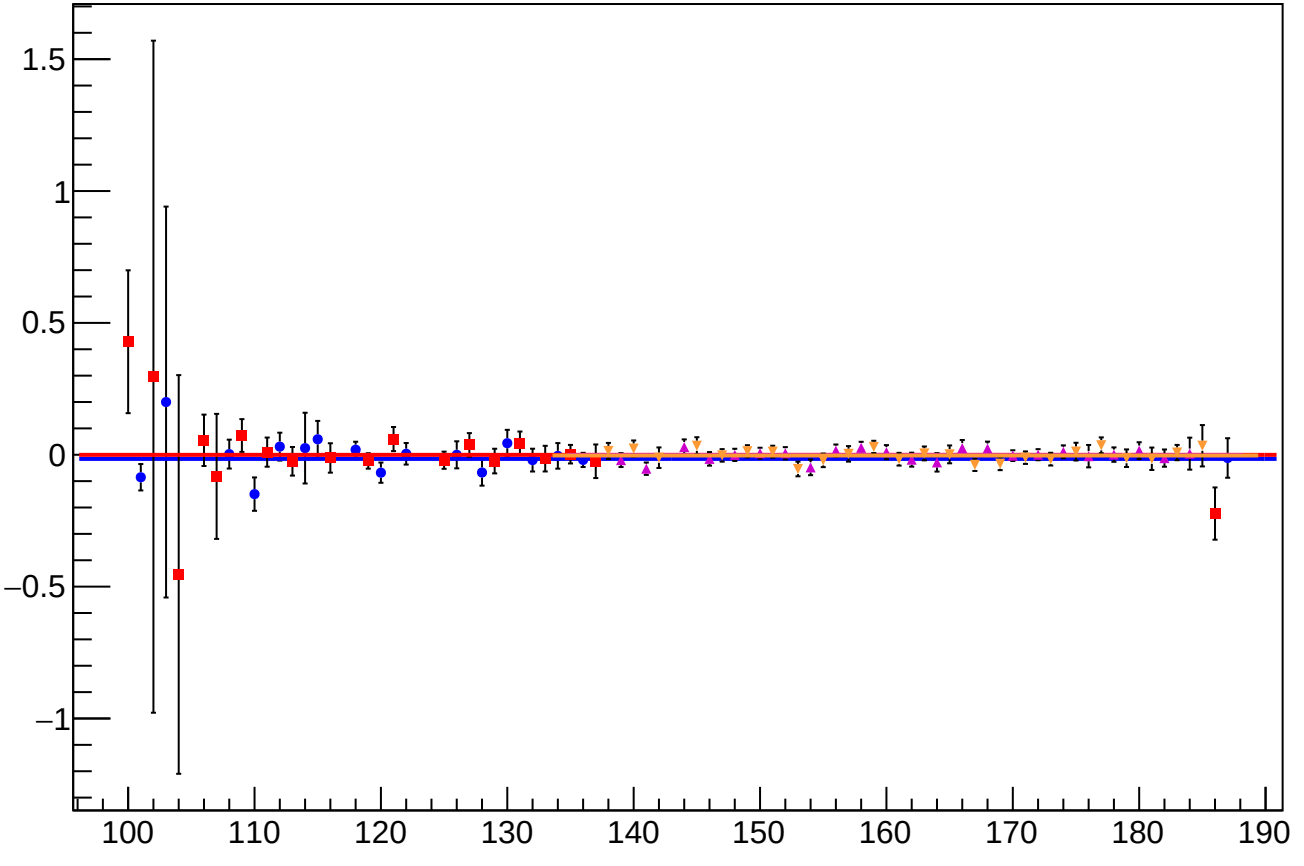
In: 0.000+/-0.000 χ^2/NDF:40.2/39

Out: 0.000+/-0.000 χ^2/NDF:46.3/42

All: 0.000+/-0.000 χ^2/NDF: 86.6/82


asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1616803.0/16
Left Out: 0.000+/-0.000 χ²/NDF:1373738.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 2560355.3/18
Left In: 0.000+/-0.000 χ²/NDF:1928867.4/22
Left: 0.000+/-0.000 χ²/NDF: 3372071.7/46
Right: 0.000+/-0.000 χ²/NDF: 4227062.0/35
In: 0.000+/-0.000 χ²/NDF:4533209.6/39
Out: 0.000+/-0.000 χ²/NDF:4268874.7/42
All: 0.000+/-0.000 χ²/NDF: 8843341.0/82

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.000+/-0.012 χ^2/NDF: 15.0/18

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

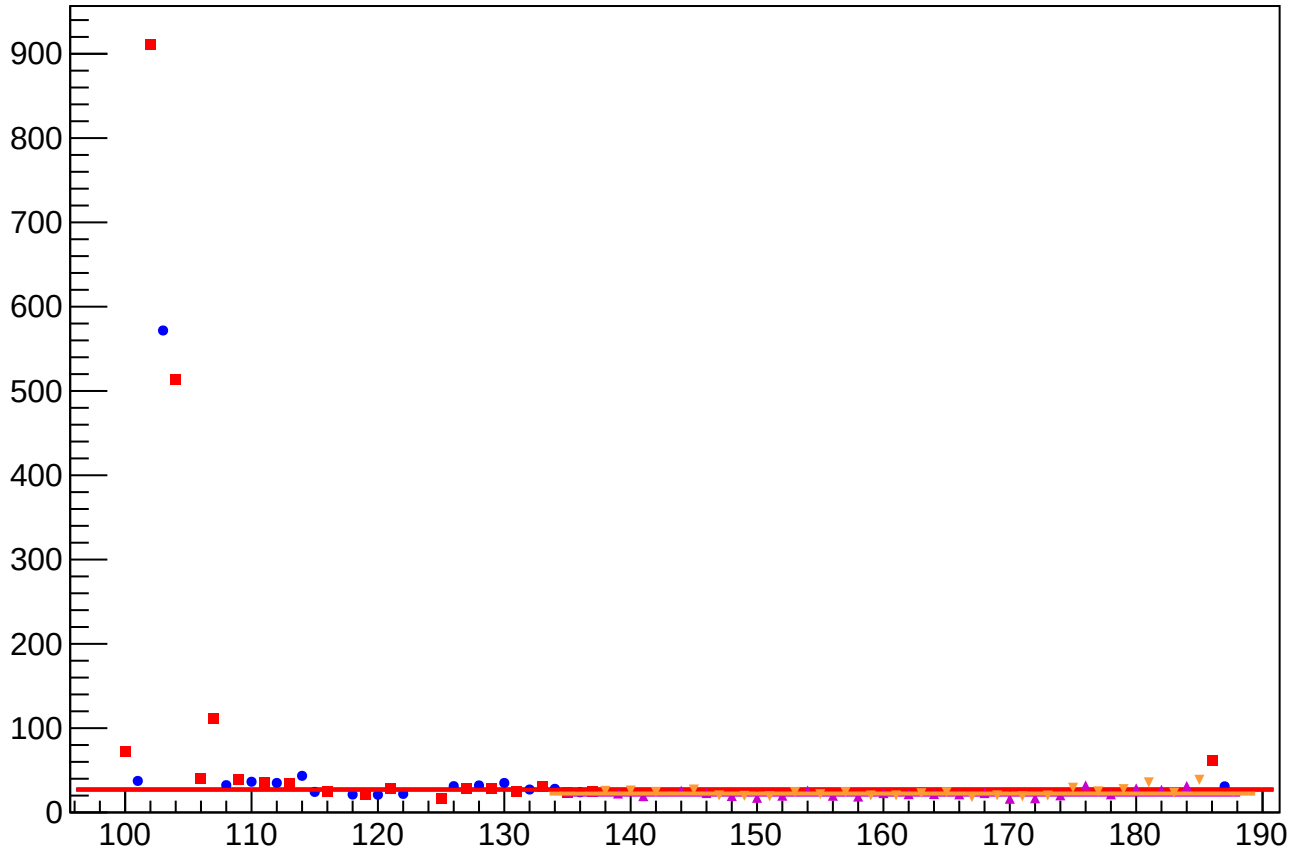
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.008+/-0.008 χ^2/NDF: 30.5/35

In: -0.004+/-0.005 χ^2/NDF:30.9/39

Out: -0.002+/-0.005 χ^2/NDF:31.4/42

All: -0.003+/-0.004 χ^2/NDF: 62.3/82



Right In: 27.390+/-0.008 χ^2/NDF: 1573005.2/16

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 26.910+/-0.008 χ^2/NDF: 2862679.0/18

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

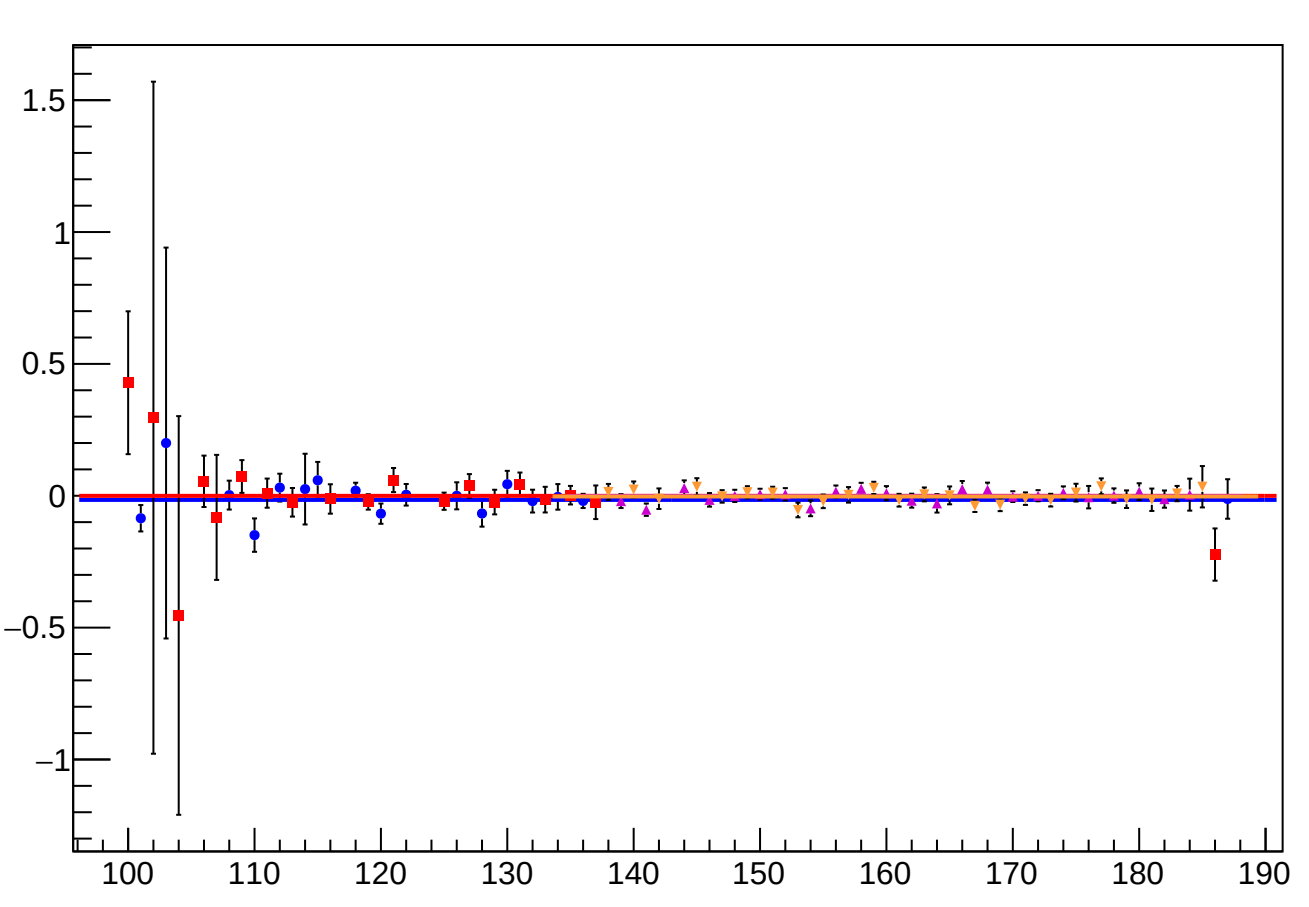
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 27.161+/-0.006 χ^2/NDF: 4437375.0/35

In: 22.271+/-0.003 χ^2/NDF:2885783.8/39

Out: 23.197+/-0.004 χ^2/NDF:3916190.4/42

All: 22.716+/-0.003 χ^2/NDF: 6835865.5/82



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.000+/-0.012 χ^2/NDF: 15.0/18

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

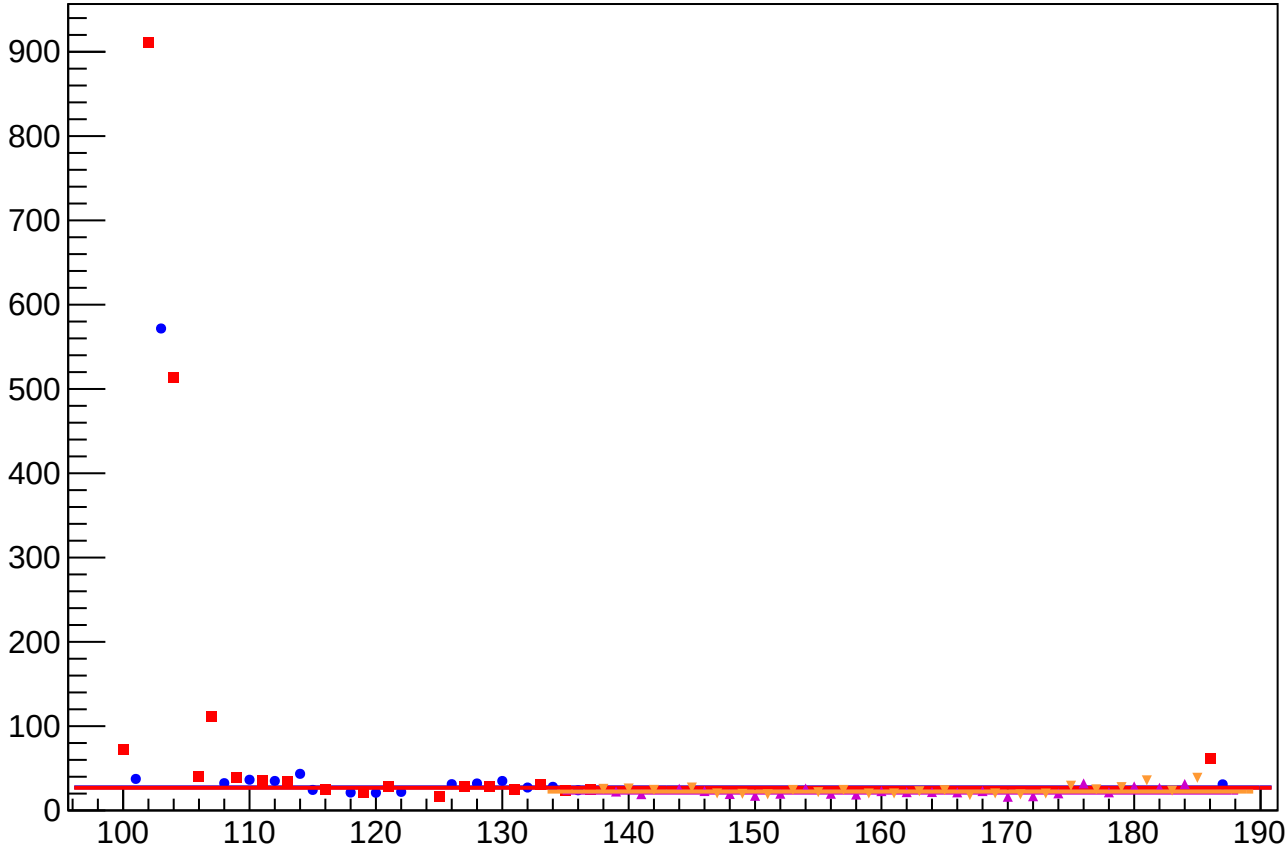
Right: -0.008+/-0.008 χ^2/NDF: 30.5/35

In: -0.004+/-0.005 χ^2/NDF:30.9/39

Out: -0.002+/-0.005 χ^2/NDF:31.4/42

All: -0.003+/-0.004 χ^2/NDF: 62.3/82

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.390+/-0.008 χ^2/NDF: 1573005.2/16

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 26.910+/-0.008 χ^2/NDF: 2862679.0/18

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

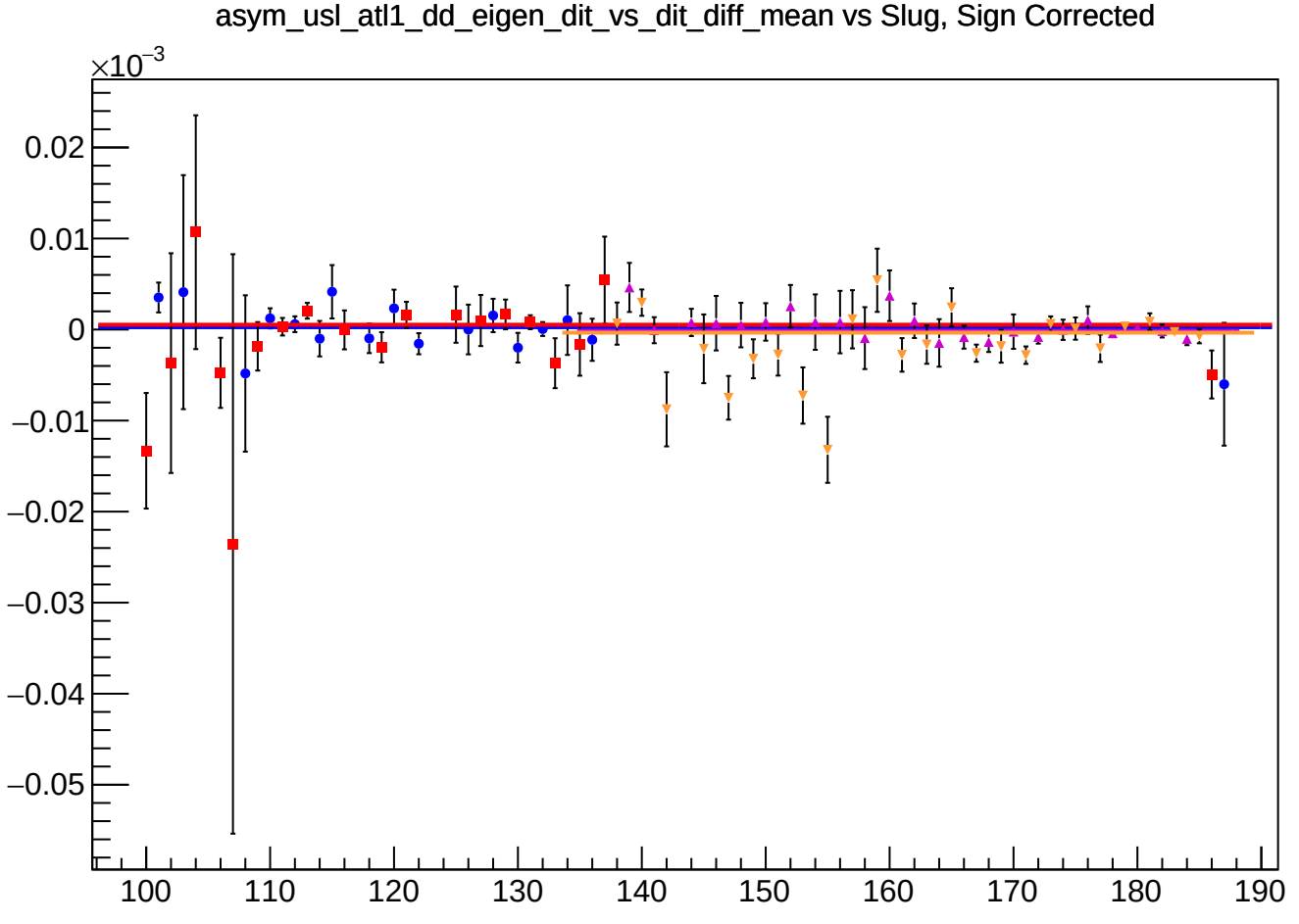
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 27.161+/-0.006 χ^2/NDF: 4437375.0/35

In: 22.271+/-0.003 χ^2/NDF:2885783.8/39

Out: 23.197+/-0.004 χ^2/NDF:3916190.4/42

All: 22.716+/-0.003 χ^2/NDF: 6835865.5/82



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

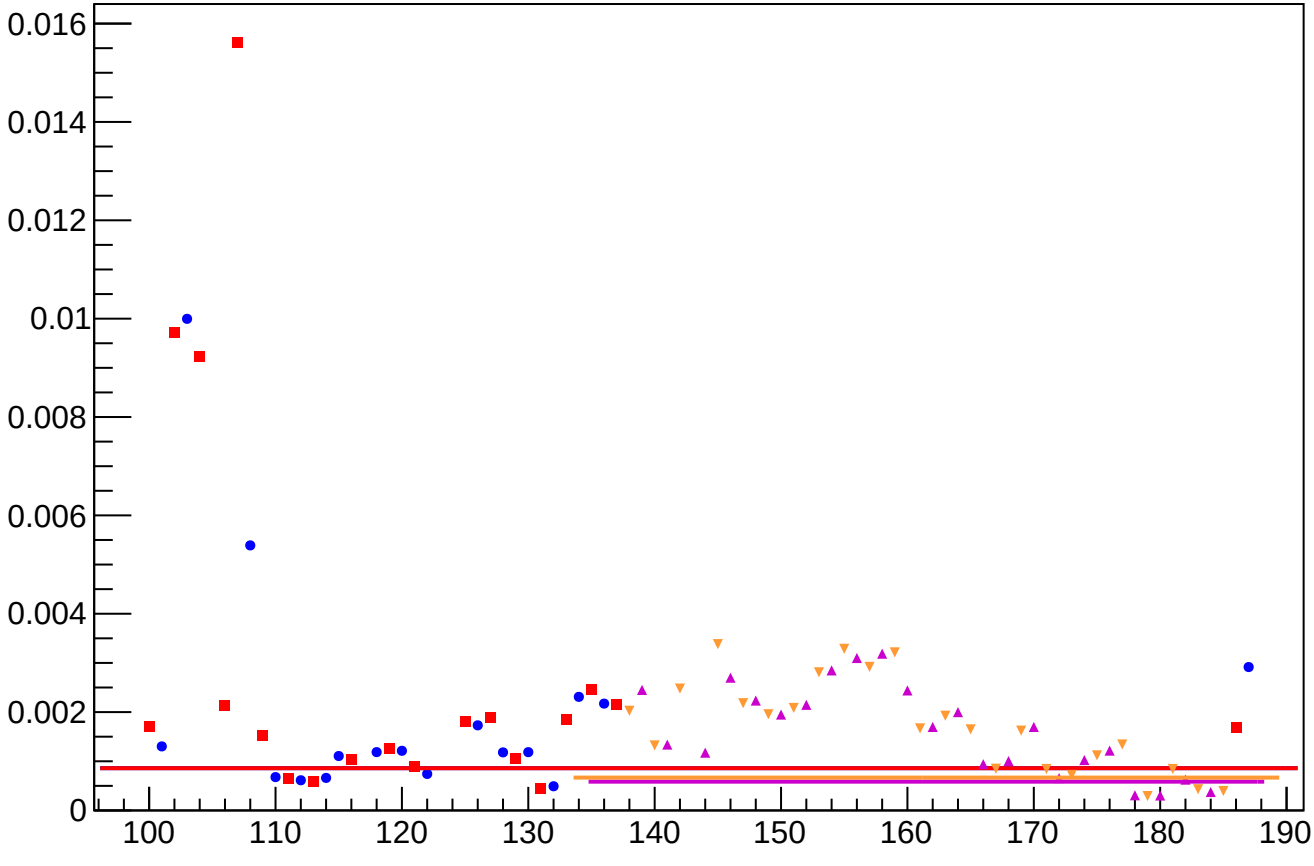
Right: 0.000+/-0.000 χ^2/NDF: 39.2/35

In: -0.000+/-0.000 χ^2/NDF:30.4/39

Out: -0.000+/-0.000 χ^2/NDF:95.6/42

All: -0.000+/-0.000 χ^2/NDF: 126.2/82

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4050261.6/16

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5243935.6/18

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

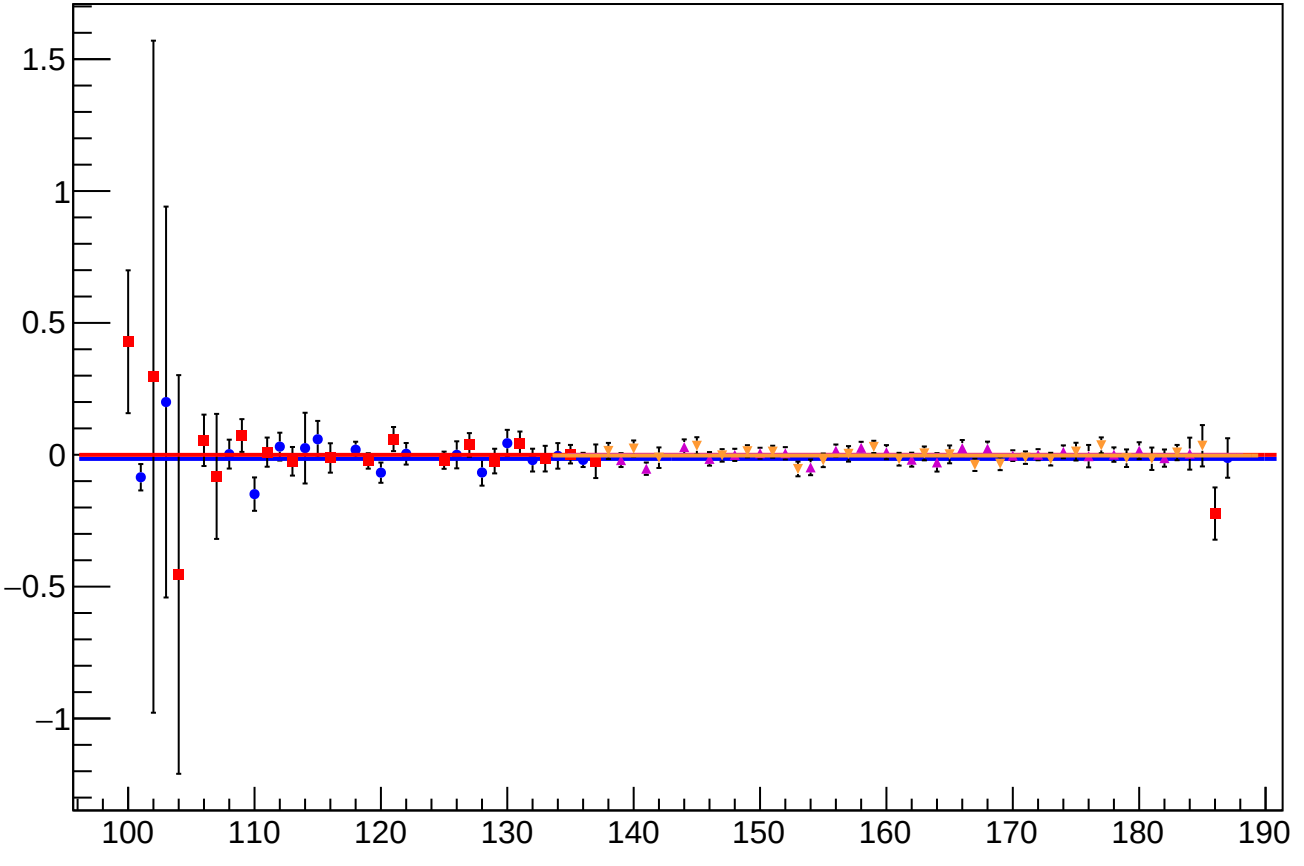
Right: 0.001+/-0.000 χ^2/NDF: 9294197.2/35

In: 0.001+/-0.000 χ^2/NDF:20560289.7/39

Out: 0.001+/-0.000 χ^2/NDF:20990164.7/42

All: 0.001+/-0.000 χ^2/NDF: 41704556.2/82

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.000+/-0.012 χ^2/NDF: 15.0/18

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

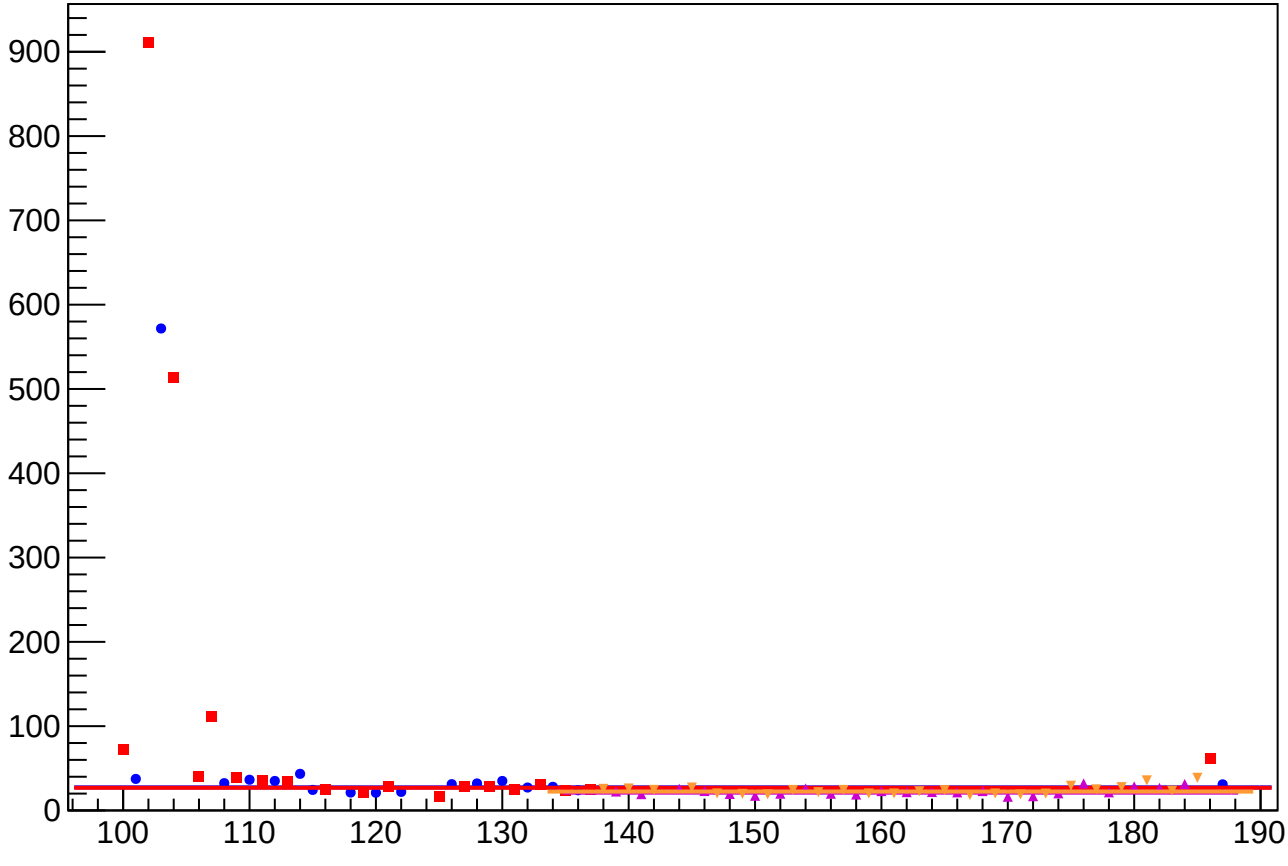
Right: -0.008+/-0.008 χ^2/NDF: 30.5/35

In: -0.004+/-0.005 χ^2/NDF:30.9/39

Out: -0.002+/-0.005 χ^2/NDF:31.4/42

All: -0.003+/-0.004 χ^2/NDF: 62.3/82

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.390+/-0.008 χ^2/NDF: 1572997.6/16

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 26.910+/-0.008 χ^2/NDF: 2862695.3/18

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

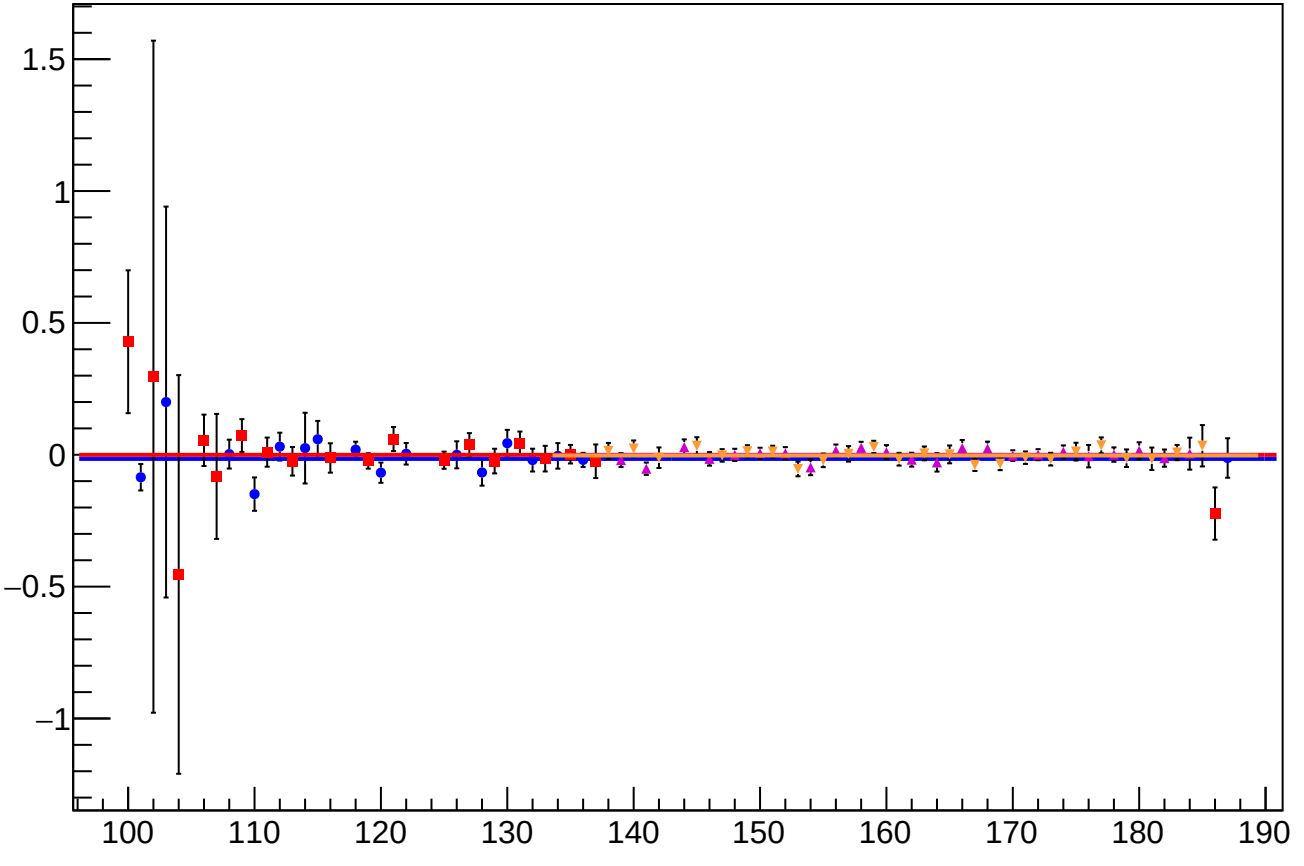
Right: 27.161+/-0.006 χ^2/NDF: 4437383.4/35

In: 22.271+/-0.003 χ^2/NDF:2885787.9/39

Out: 23.197+/-0.004 χ^2/NDF:3916182.9/42

All: 22.716+/-0.003 χ^2/NDF: 6835861.0/82

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.000+/-0.012 χ^2/NDF: 15.0/18

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

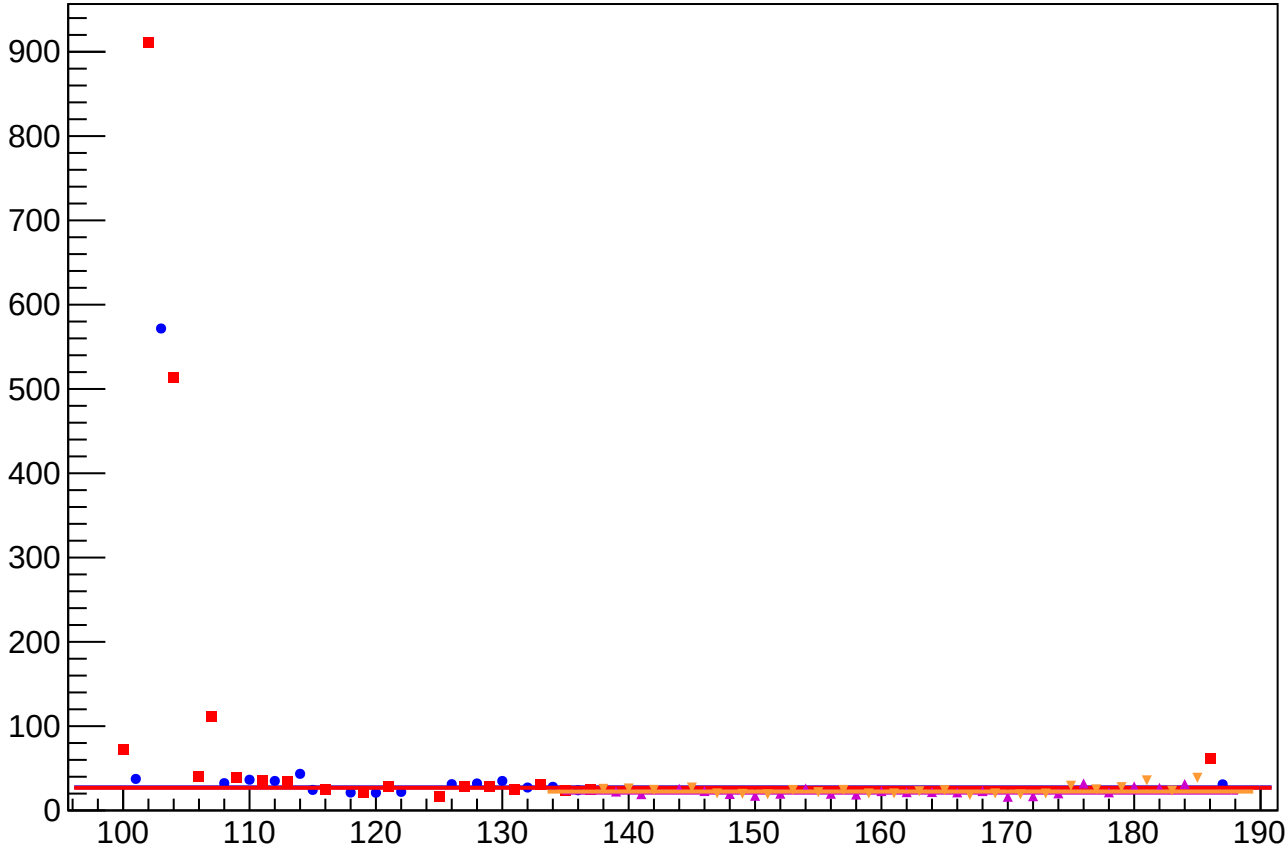
Right: -0.008+/-0.008 χ^2/NDF: 30.5/35

In: -0.004+/-0.005 χ^2/NDF:30.9/39

Out: -0.002+/-0.005 χ^2/NDF:31.4/42

All: -0.003+/-0.004 χ^2/NDF: 62.3/82

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.390+/-0.008 χ^2/NDF: 1572997.6/16

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 26.910+/-0.008 χ^2/NDF: 2862695.3/18

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

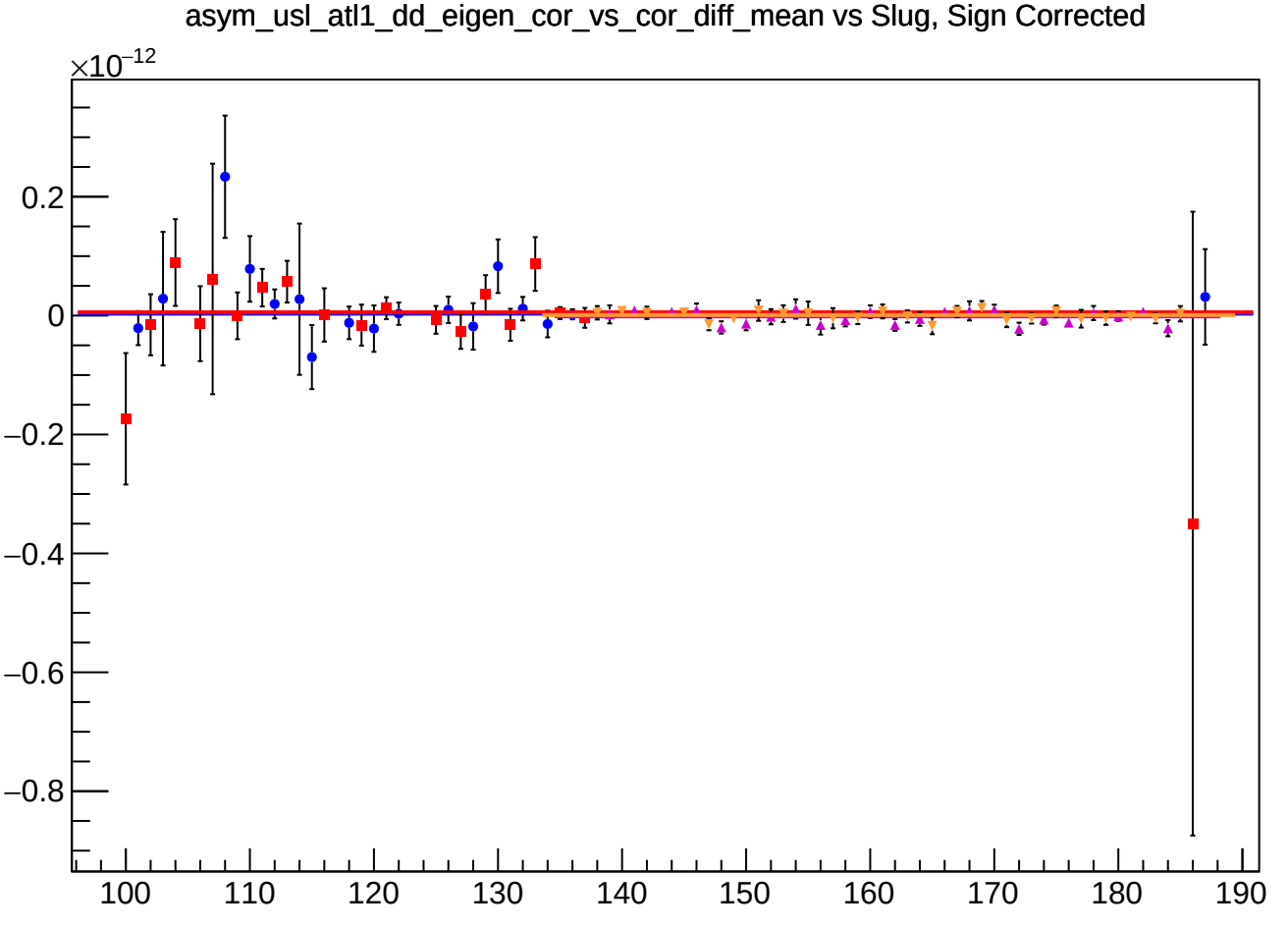
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

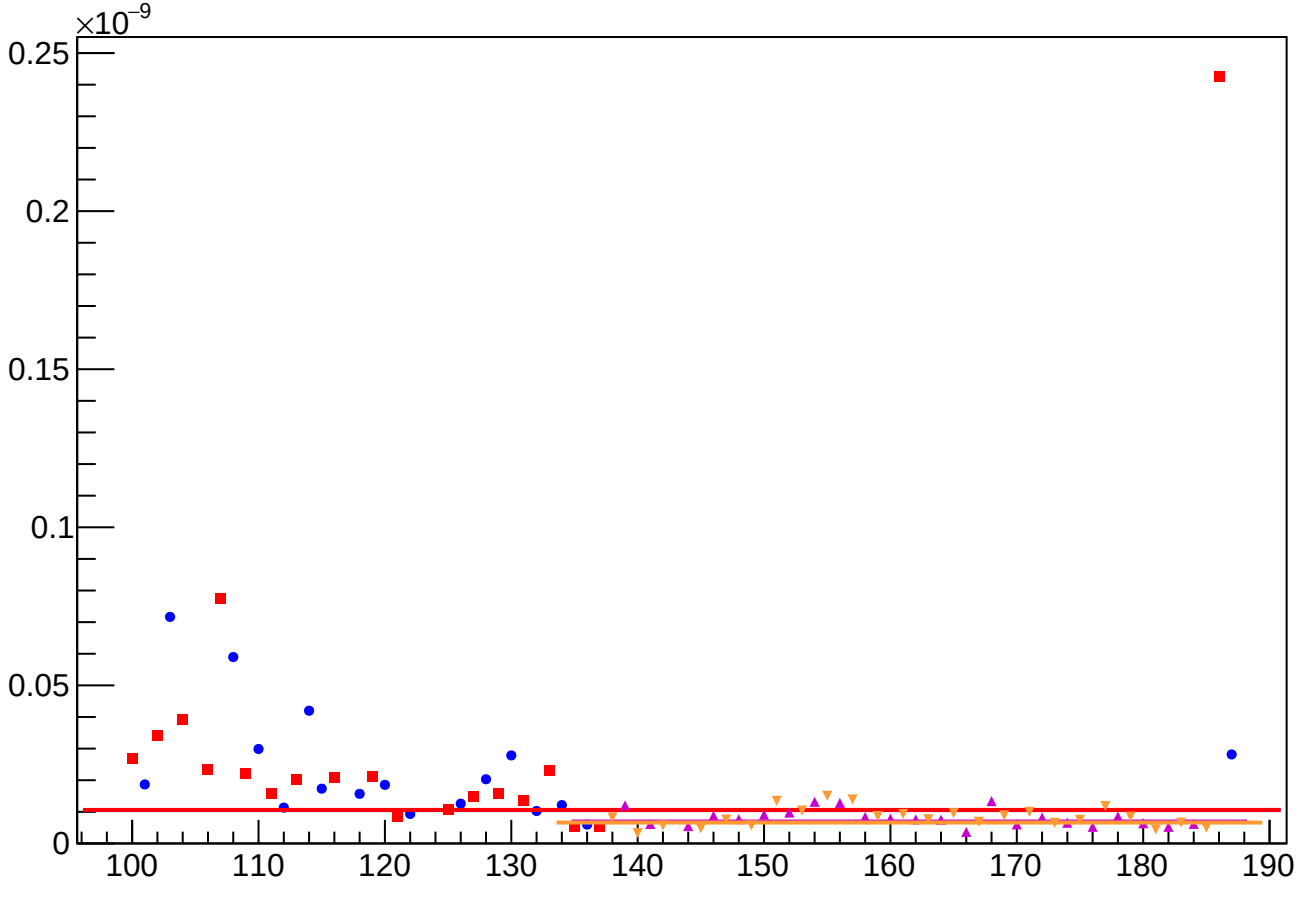
Right: 27.161+/-0.006 χ^2/NDF: 4437383.4/35

In: 22.271+/-0.003 χ^2/NDF:2885787.9/39

Out: 23.197+/-0.004 χ^2/NDF:3916182.9/42

All: 22.716+/-0.003 χ^2/NDF: 6835861.0/82


asym_usl_atl1_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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.2/16
Left Out: 0.000+/-0.000 χ²/NDF:11.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/18
Left In: -0.000+/-0.000 χ²/NDF:25.8/22
Left: -0.000+/-0.000 χ²/NDF: 38.0/46
Right: 0.000+/-0.000 χ²/NDF: 31.0/35
In: -0.000+/-0.000 χ²/NDF:41.5/39
Out: 0.000+/-0.000 χ²/NDF:27.8/42
All: 0.000+/-0.000 χ²/NDF: 70.0/82



Right In: 0.000+/-0.000 χ^2/NDF: 2891367.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3162892.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

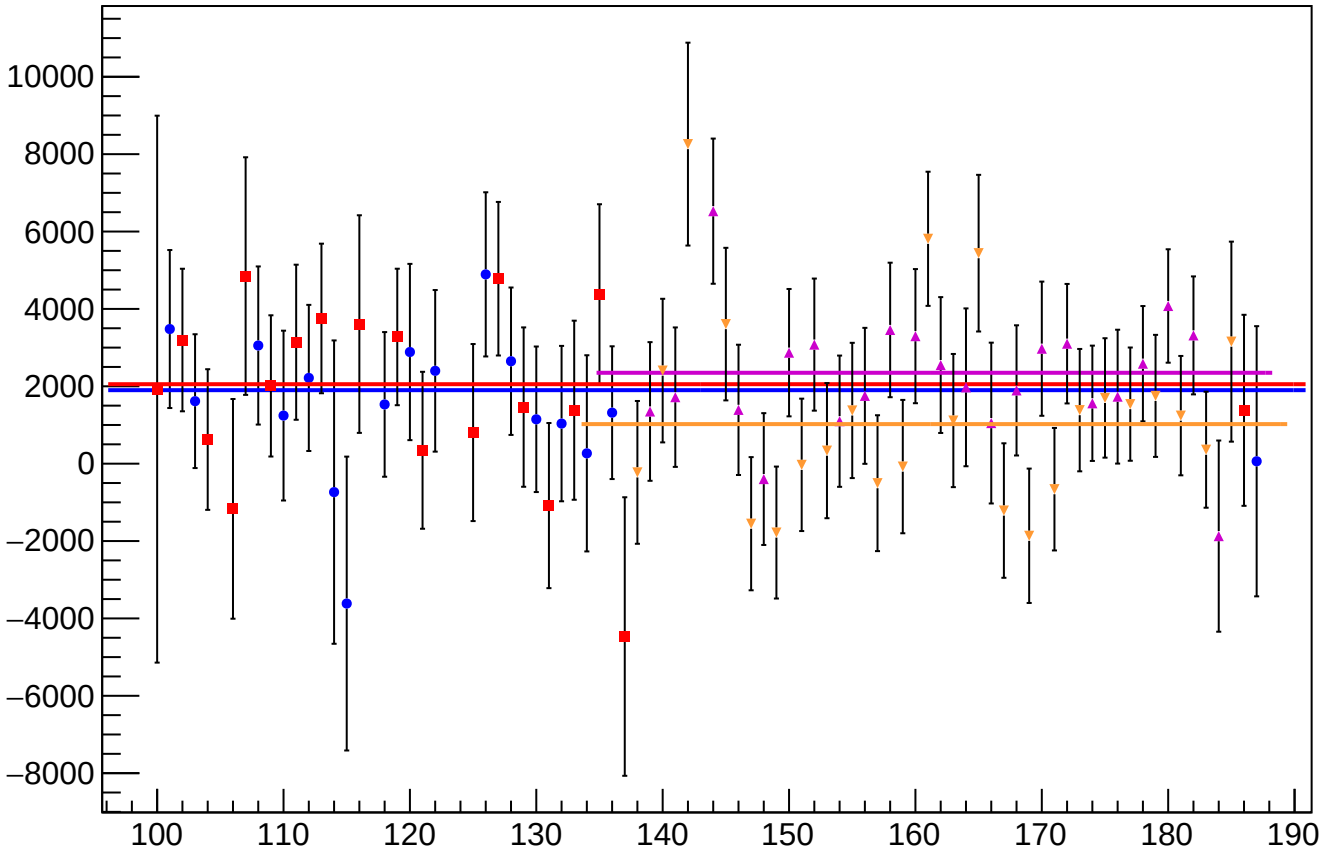
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 6054337.7/35

In: 0.000+/-0.000 χ^2/NDF:5914340.3/39

Out: 0.000+/-0.000 χ^2/NDF:7399159.9/42

All: 0.000+/-0.000 χ^2/NDF: 13347168.5/82



Right In: 1899.881+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2054.055+/-508.445 χ^2/NDF: 14.6/18

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

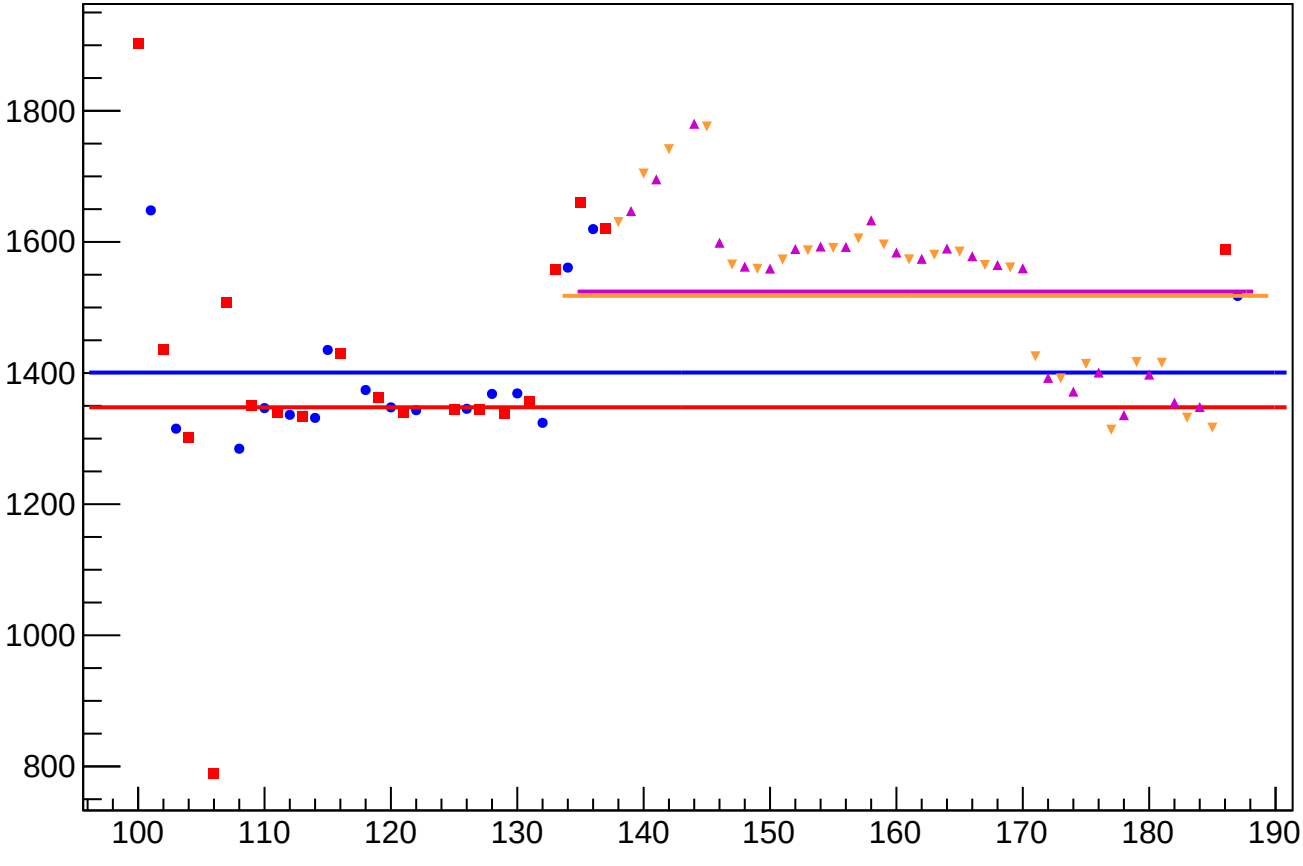
Right: 1978.170+/-362.315 χ^2/NDF: 21.8/35

In: 2203.867+/-293.701 χ^2/NDF:23.7/39

Out: 1358.665+/-290.221 χ^2/NDF:53.8/42

All: 1776.229+/-206.437 χ^2/NDF: 81.7/82

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1347.809+/-0.349 χ^2/NDF: 337507.0/18

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

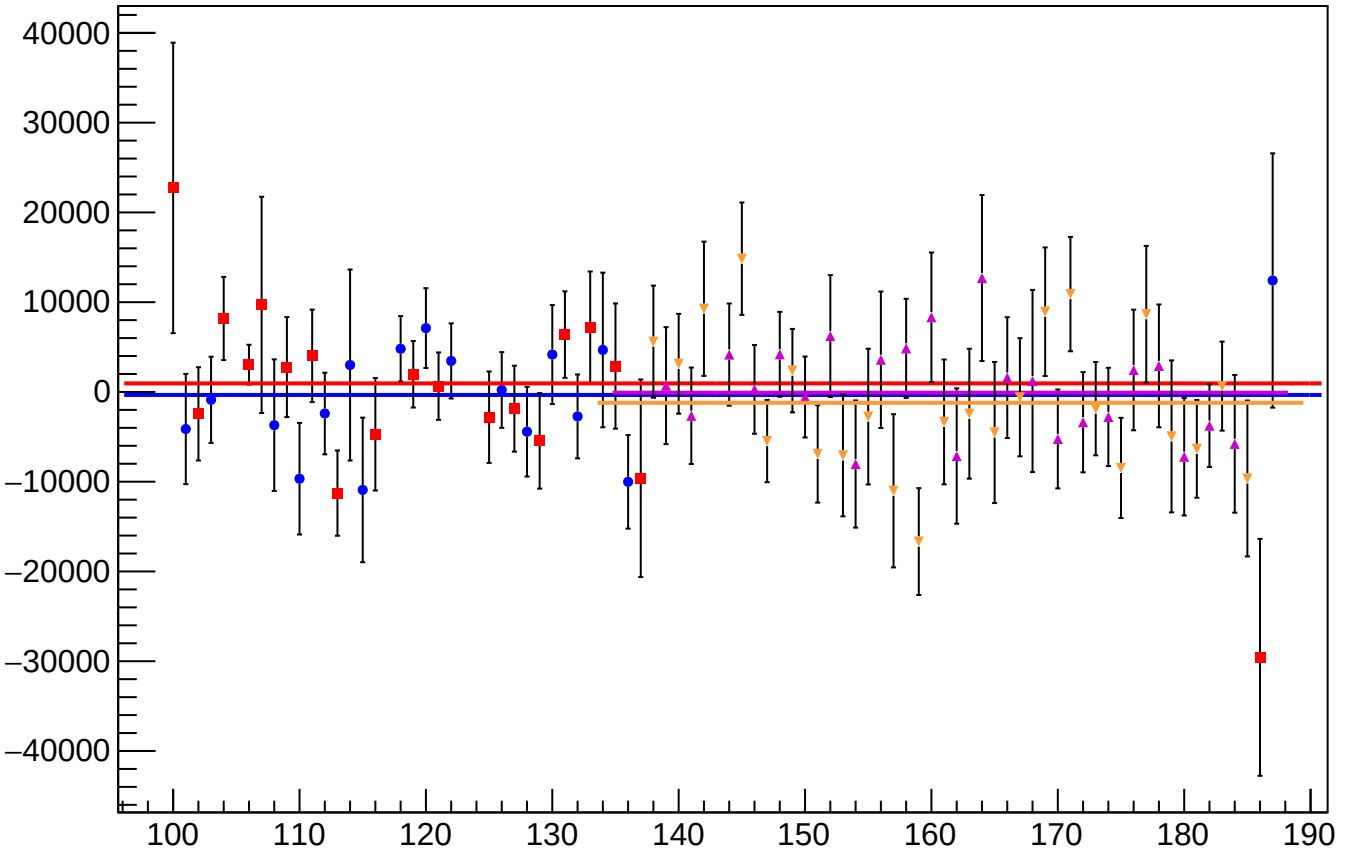
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1373.073+/-0.252 χ^2/NDF: 444722.5/35

In: 1484.357+/-0.208 χ^2/NDF:397968.1/39

Out: 1460.125+/-0.203 χ^2/NDF:728471.7/42

All: 1471.974+/-0.145 χ^2/NDF: 1133397.0/82



Right In: -334.405+/-1290.526 χ^2/NDF: 16.7/16

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 951.850+/-1115.880 χ^2/NDF: 25.0/18

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

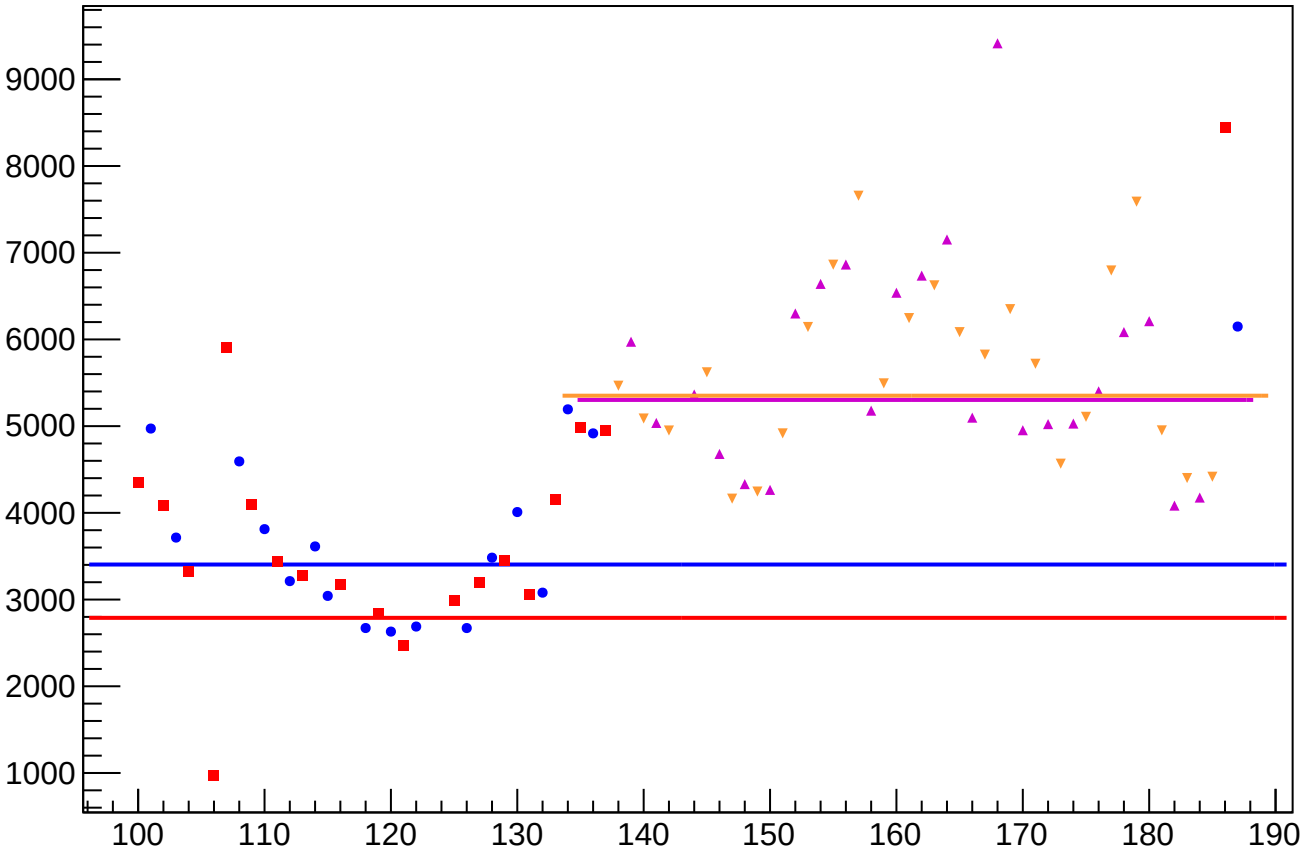
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

Right: 401.584+/-844.092 χ^2/NDF: 42.3/35

In: -204.992+/-903.135 χ^2/NDF:29.9/39

Out: 7.756+/-837.784 χ^2/NDF:59.9/42

All: -90.643+/-614.208 χ^2/NDF: 89.9/82



Right In: 3404.089+/-0.913 χ^2/NDF: 832855.3/16

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 2789.104+/-0.789 χ^2/NDF: 2634702.2/18

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

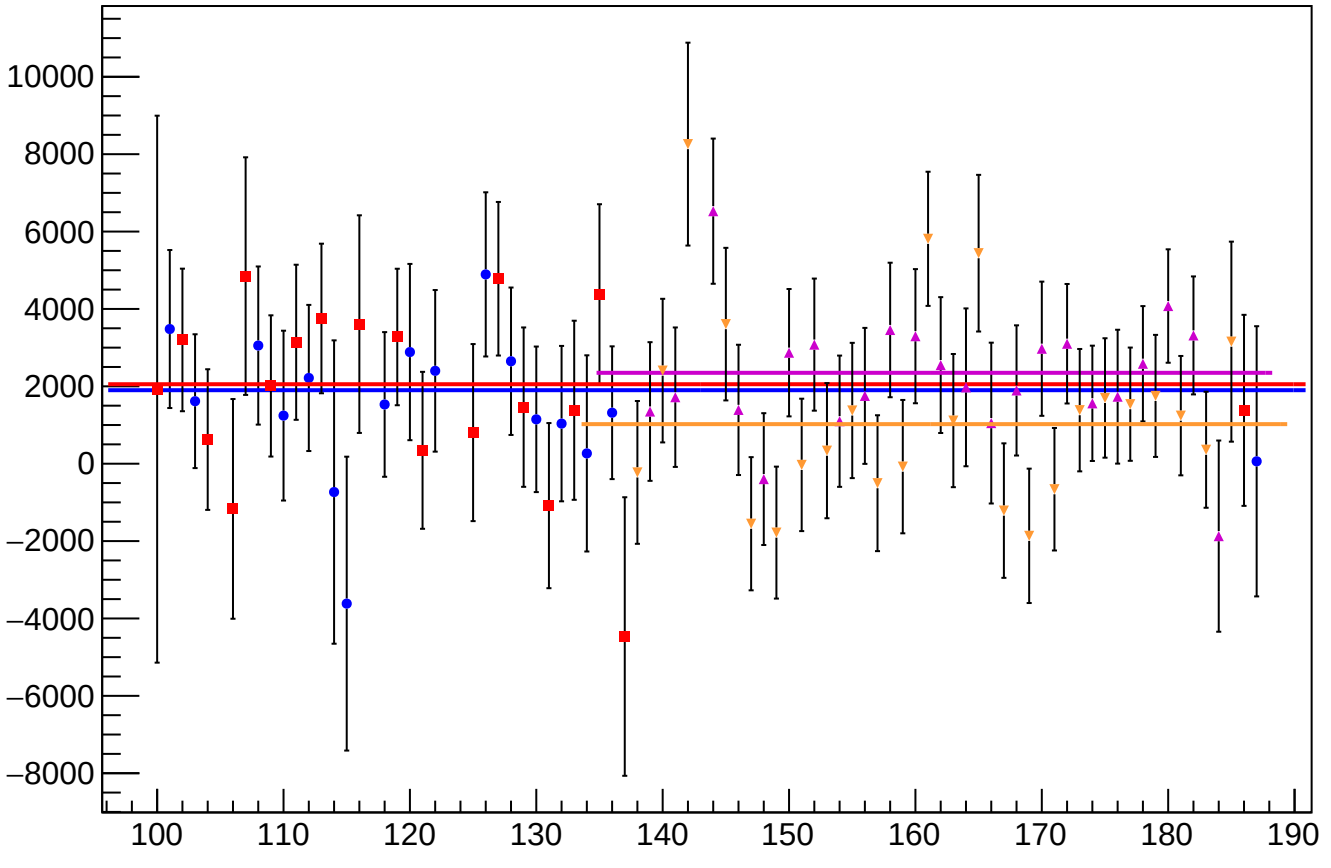
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 3052.197+/-0.597 χ^2/NDF: 3727435.8/35

In: 4372.600+/-0.639 χ^2/NDF:4296756.2/39

Out: 3906.977+/-0.592 χ^2/NDF:8300883.4/42

All: 4122.334+/-0.434 χ^2/NDF: 12883372.1/8



Right In: 1899.928+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2054.257+/-508.448 χ^2/NDF: 14.6/18

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

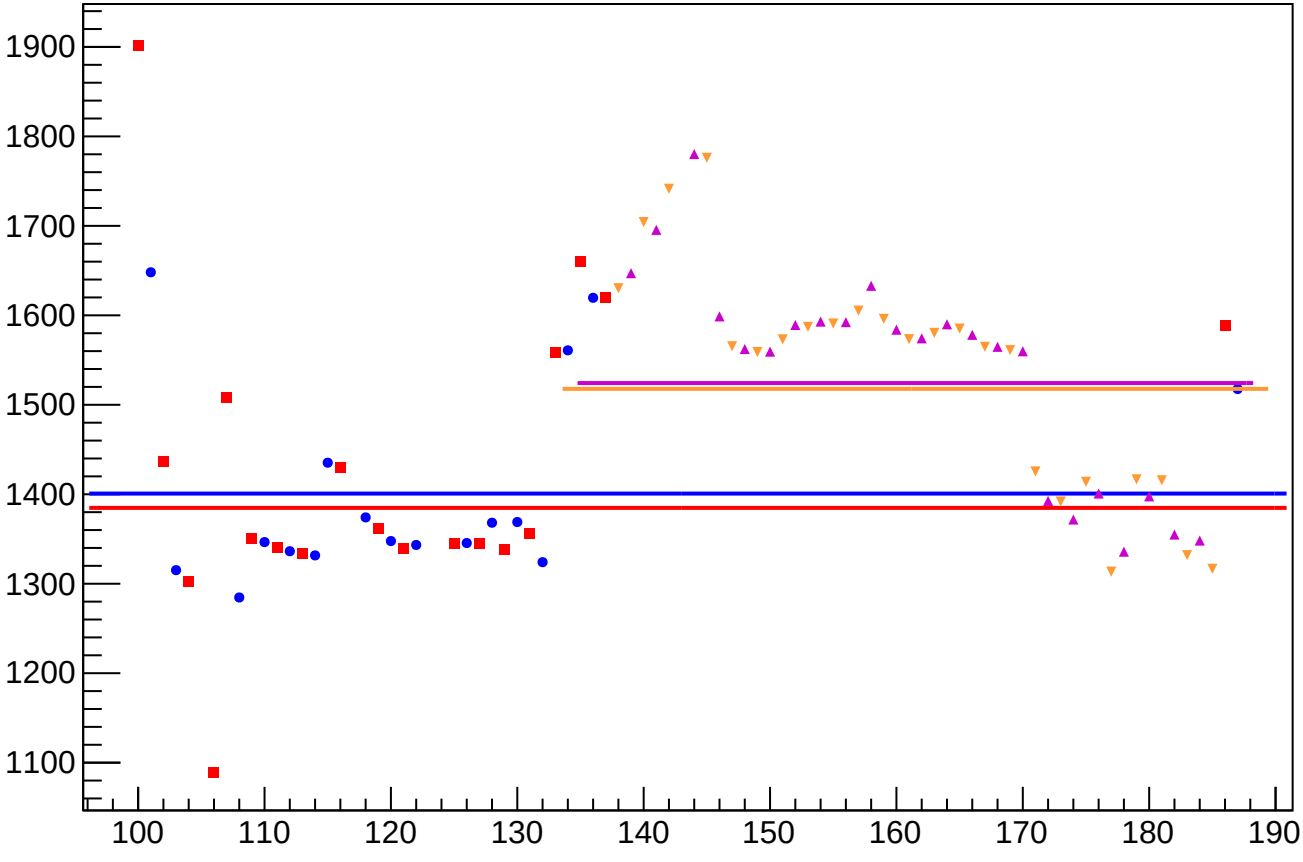
Right: 1978.294+/-362.317 χ^2/NDF: 21.8/35

In: 2203.880+/-293.701 χ^2/NDF:23.7/39

Out: 1358.749+/-290.221 χ^2/NDF:53.8/42

All: 1776.278+/-206.437 χ^2/NDF: 81.7/82

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1384.791+/-0.355 χ^2/NDF: 128189.9/18

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

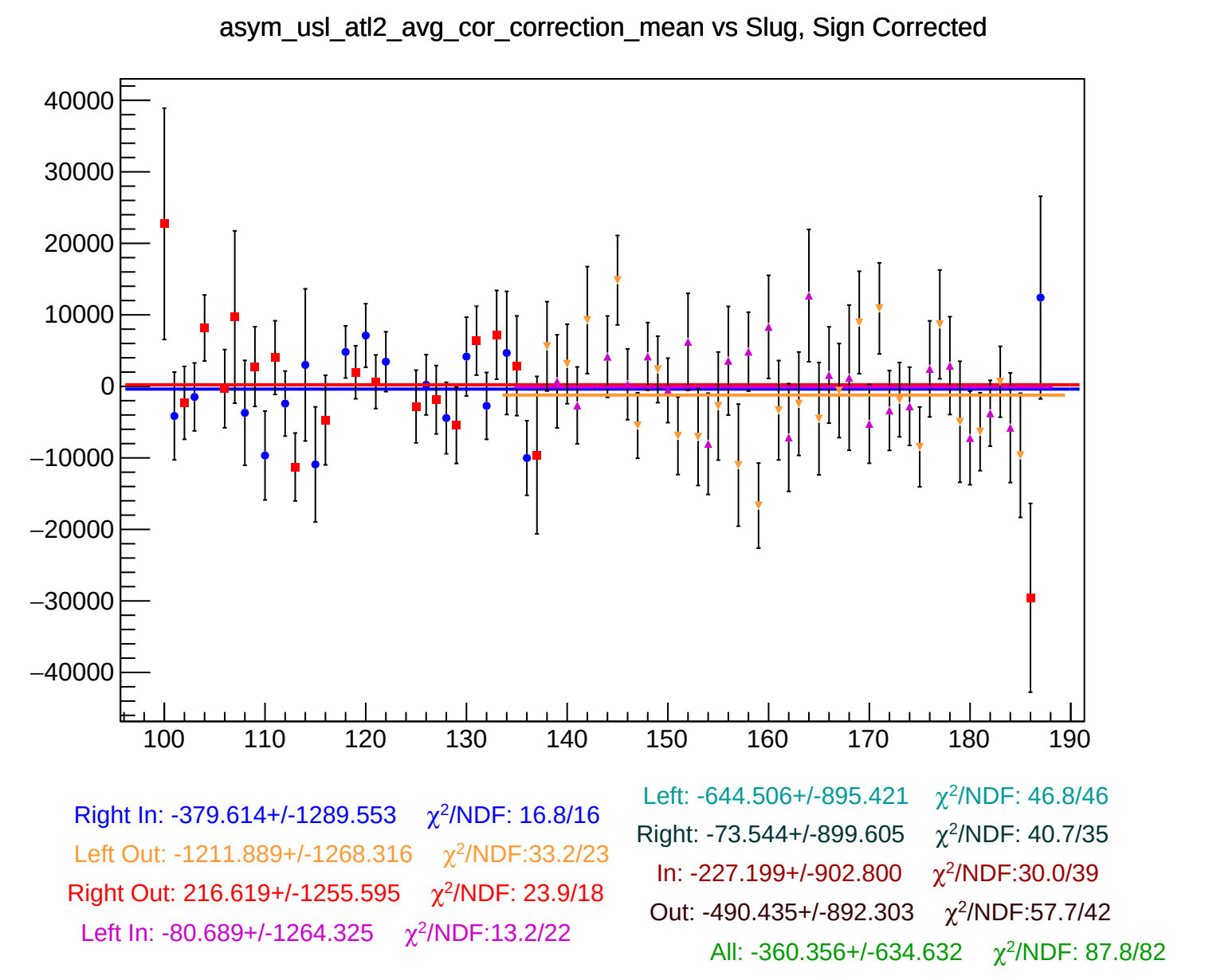
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

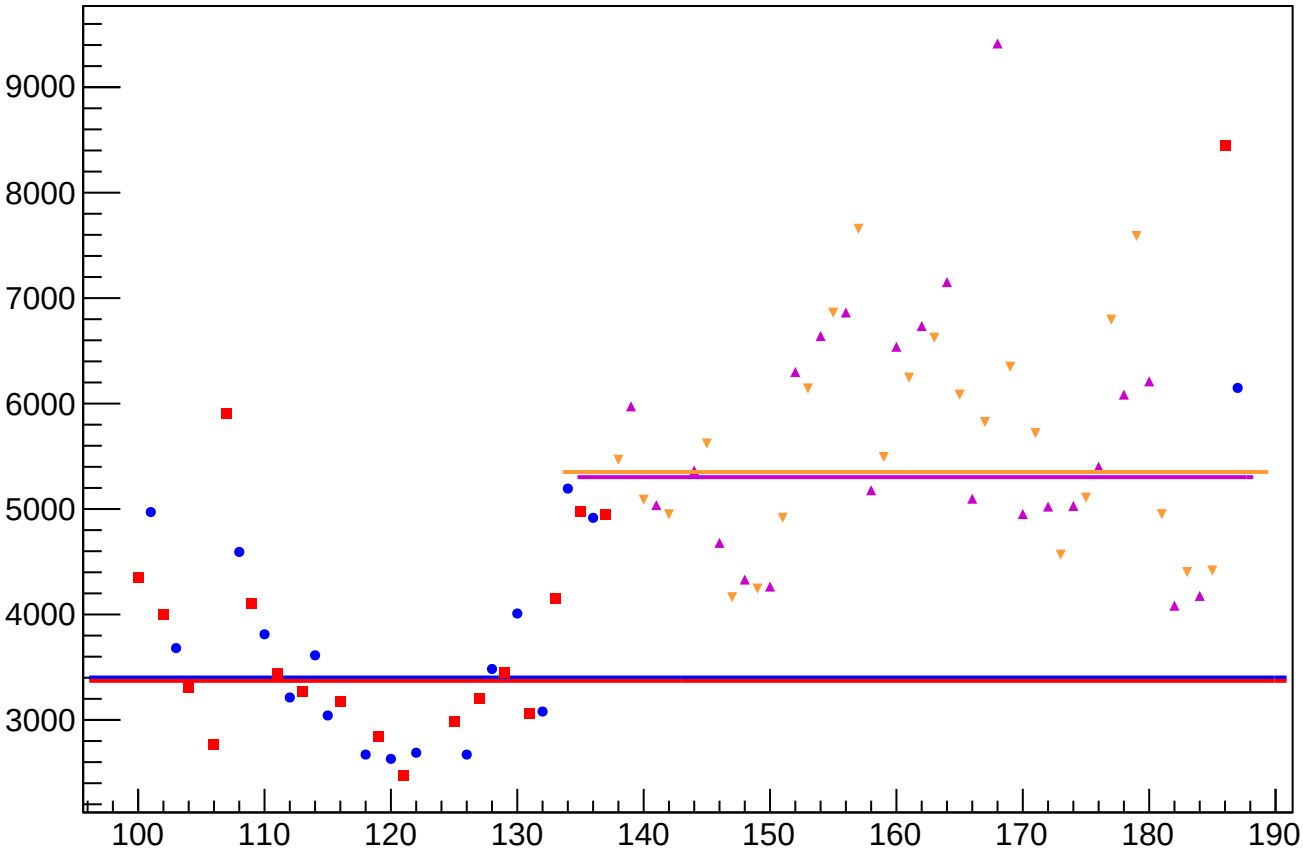
Right: 1392.555+/-0.255 χ^2/NDF: 225387.9/35

In: 1484.357+/-0.208 χ^2/NDF:397968.3/39

Out: 1473.722+/-0.204 χ^2/NDF:456045.5/42

All: 1478.954+/-0.146 χ^2/NDF: 855346.0/82


asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -379.614+/-1289.553 χ²/NDF: 16.8/16
Left Out: -1211.889+/-1268.316 χ²/NDF:33.2/23
Right Out: 216.619+/-1255.595 χ²/NDF: 23.9/18
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: -73.544+/-899.605 χ²/NDF: 40.7/35
In: -227.199+/-902.800 χ²/NDF:30.0/39
Out: -490.435+/-892.303 χ²/NDF:57.7/42
All: -360.356+/-634.632 χ²/NDF: 87.8/82



Right In: 3402.064+/-0.912 χ^2/NDF: 831159.4/16

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3370.806+/-0.888 χ^2/NDF: 842324.2/18

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

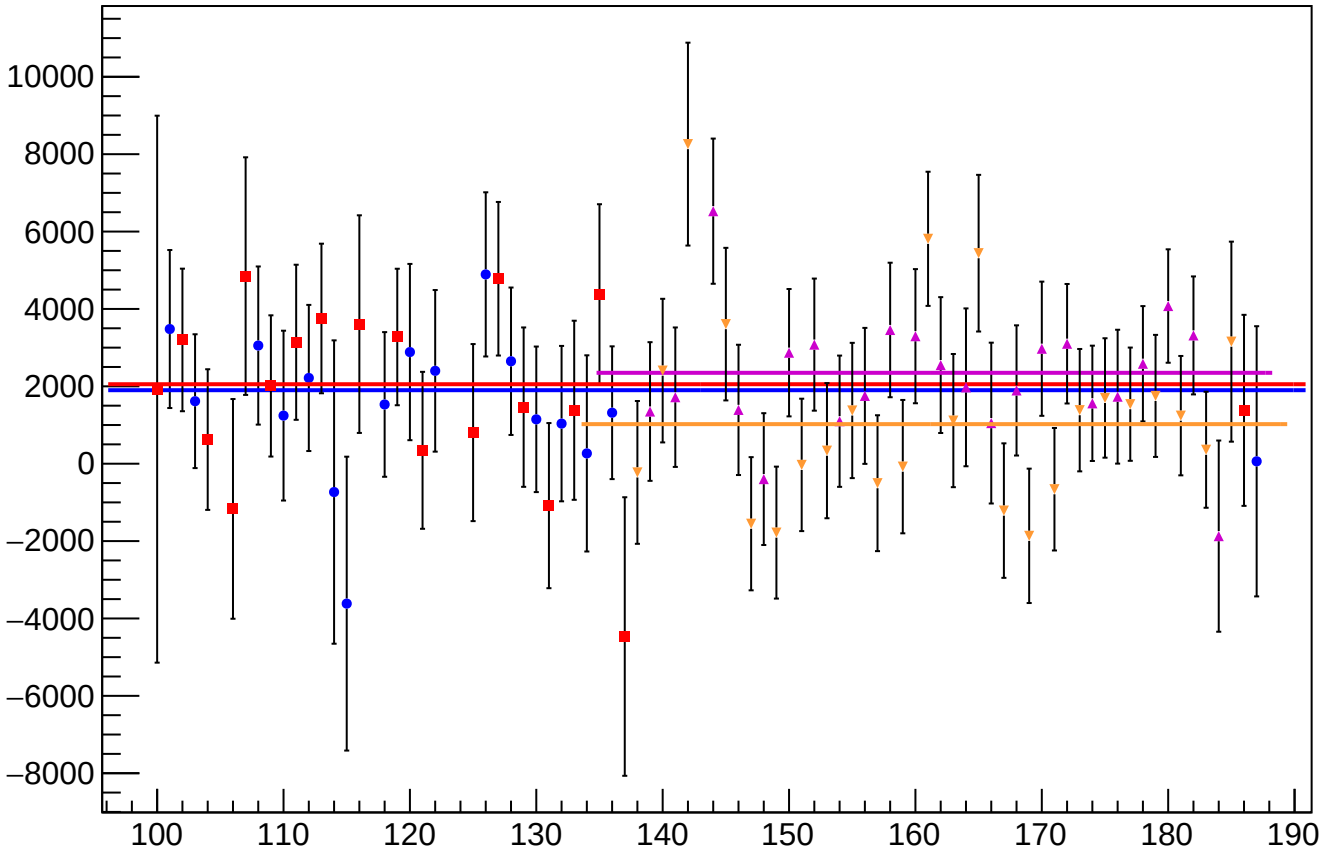
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3386.018+/-0.636 χ^2/NDF: 1674086.8/35

In: 4370.888+/-0.638 χ^2/NDF:4301475.8/39

Out: 4350.987+/-0.631 χ^2/NDF:4370851.8/42

All: 4360.821+/-0.449 χ^2/NDF: 8672819.3/82



Right In: 1899.928+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2054.257+/-508.448 χ^2/NDF: 14.6/18

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

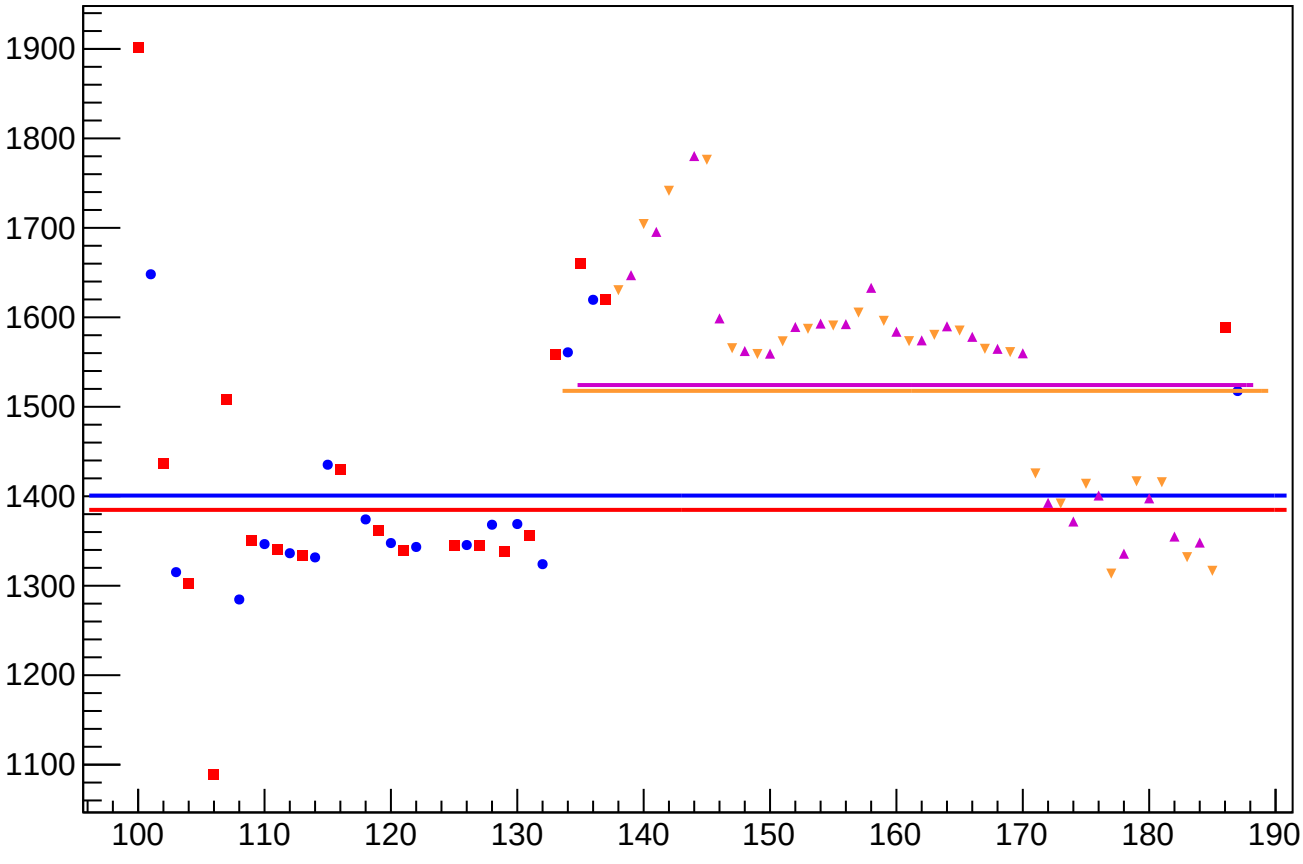
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 1978.294+/-362.317 χ^2/NDF: 21.8/35

In: 2203.880+/-293.701 χ^2/NDF:23.7/39

Out: 1358.749+/-290.221 χ^2/NDF:53.8/42

All: 1776.278+/-206.437 χ^2/NDF: 81.7/82



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1384.791+/-0.355 χ^2/NDF: 128189.9/18

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

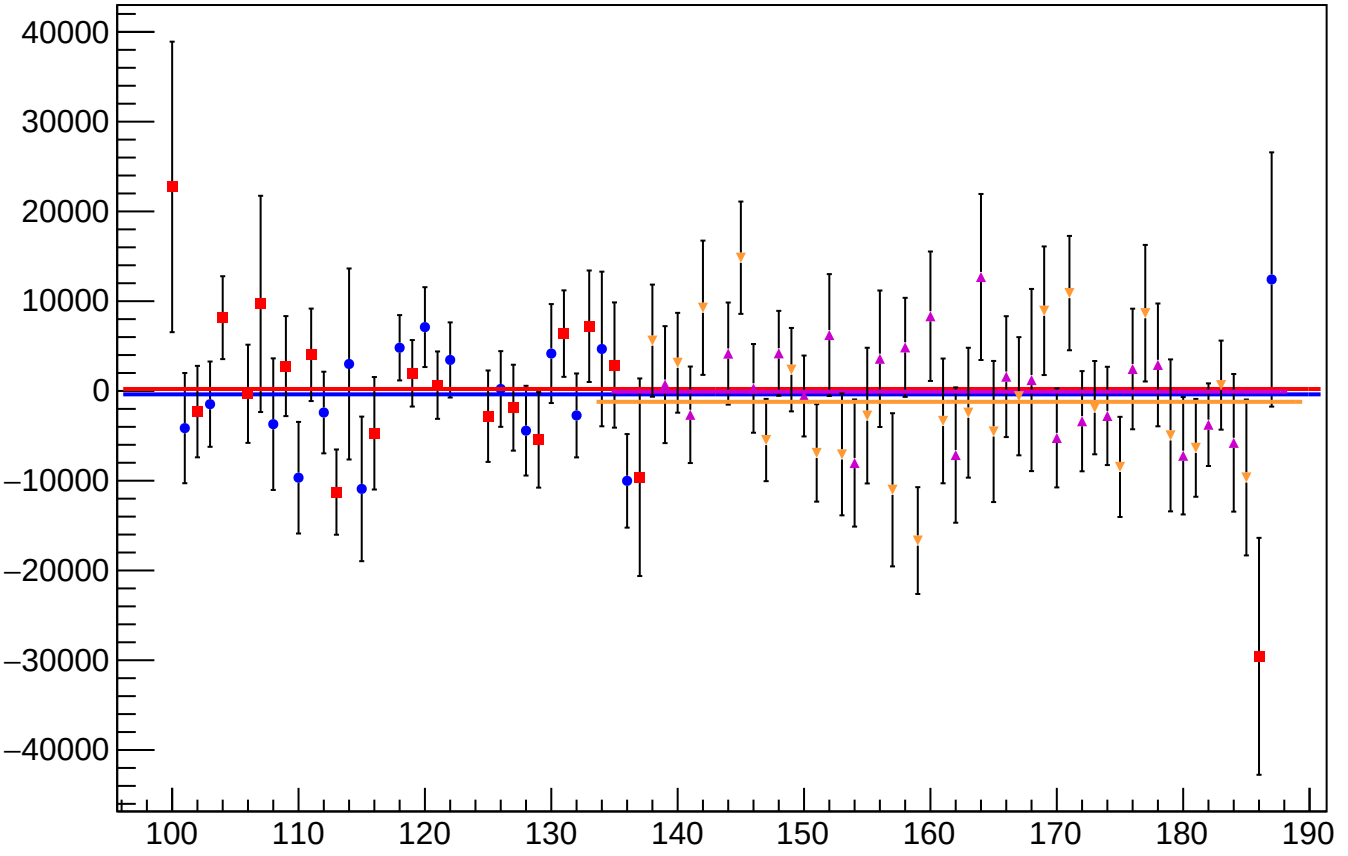
Right: 1392.555+/-0.255 χ^2/NDF: 225387.9/35

In: 1484.357+/-0.208 χ^2/NDF:397968.3/39

Out: 1473.722+/-0.204 χ^2/NDF:456045.5/42

All: 1478.954+/-0.146 χ^2/NDF: 855346.0/82

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -379.614+/-1289.553 χ^2/NDF: 16.8/16

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 216.619+/-1255.595 χ^2/NDF: 23.9/18

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

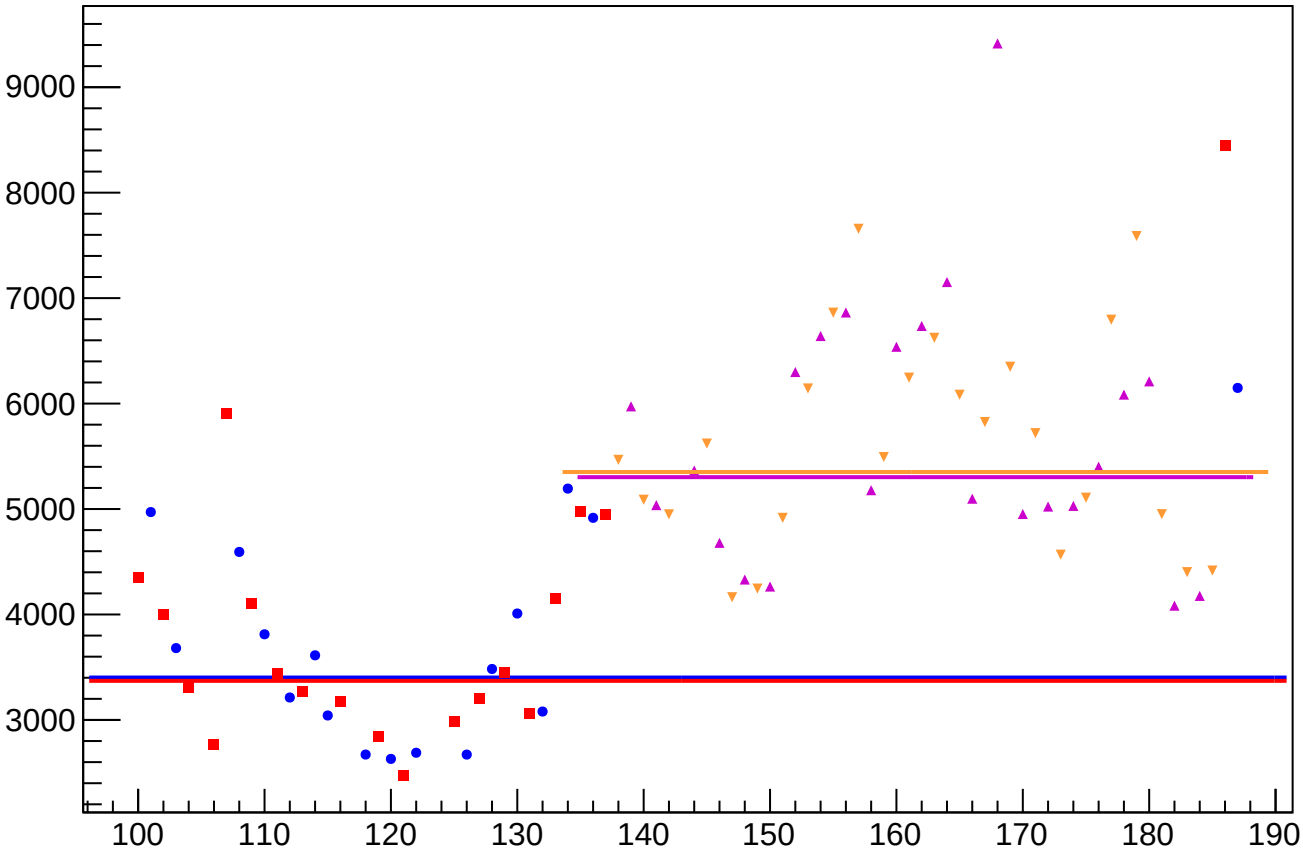
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -73.544+/-899.605 χ^2/NDF: 40.7/35

In: -227.199+/-902.800 χ^2/NDF:30.0/39

Out: -490.435+/-892.303 χ^2/NDF:57.7/42

All: -360.356+/-634.632 χ^2/NDF: 87.8/82



Right In: 3402.064+/-0.912 χ^2/NDF: 831159.4/16

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3370.806+/-0.888 χ^2/NDF: 842324.2/18

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

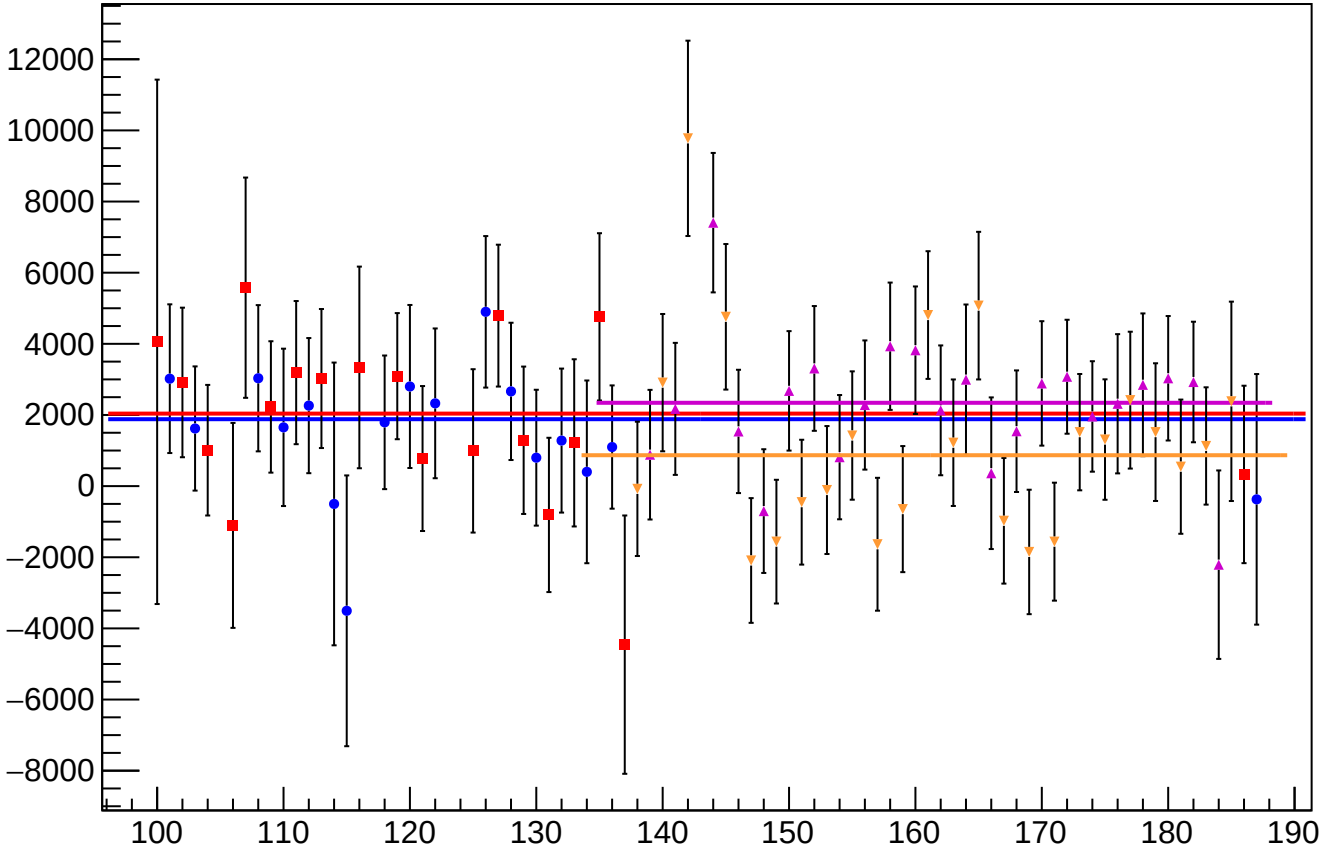
Right: 3386.018+/-0.636 χ^2/NDF: 1674086.8/35

In: 4370.888+/-0.638 χ^2/NDF:4301475.8/39

Out: 4350.987+/-0.631 χ^2/NDF:4370851.8/42

All: 4360.821+/-0.449 χ^2/NDF: 8672819.3/82

dit_asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 1881.080+/-521.330 χ^2/NDF: 6.8/16

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2038.326+/-517.304 χ^2/NDF: 13.7/18

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

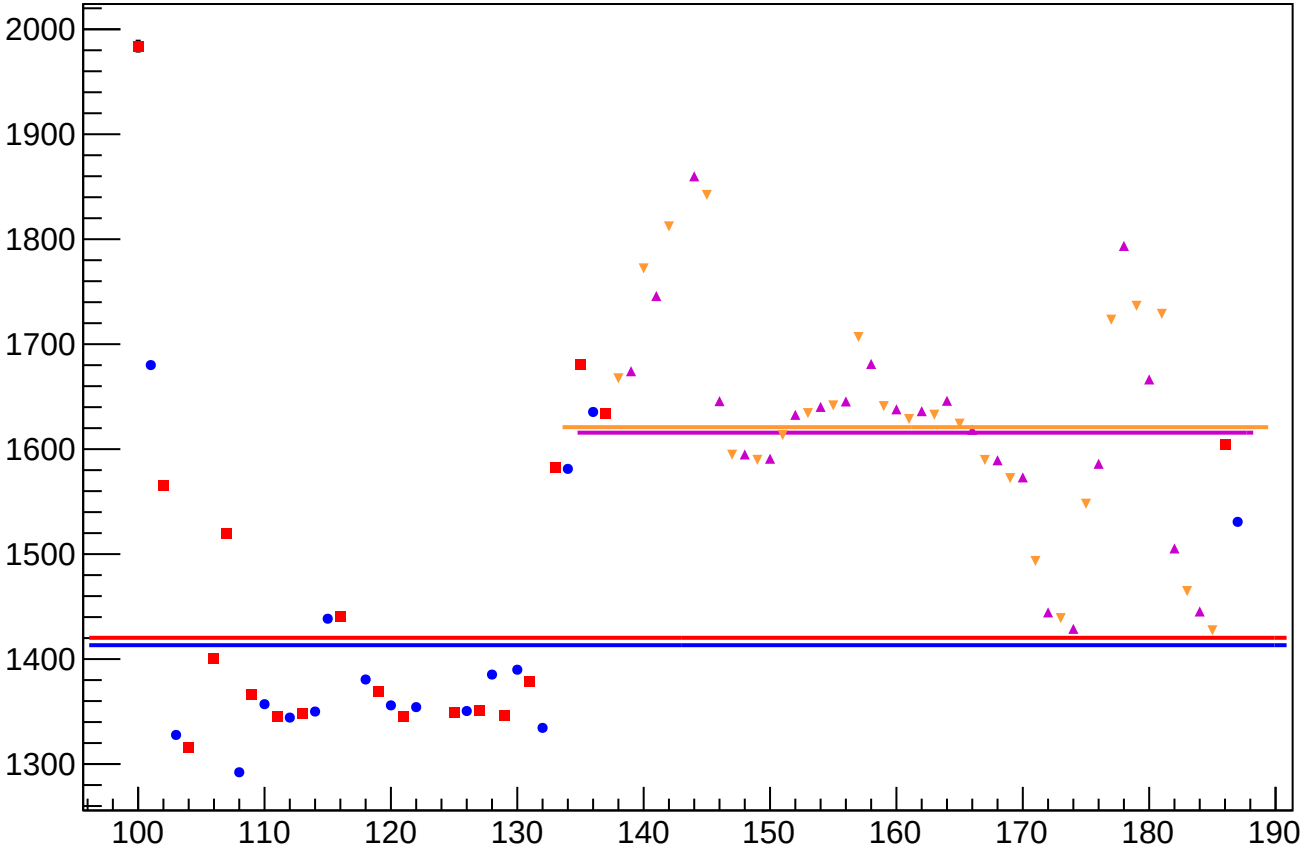
Right: 1960.313+/-367.204 χ^2/NDF: 20.5/35

In: 2183.315+/-306.083 χ^2/NDF:25.3/39

Out: 1274.489+/-304.770 χ^2/NDF:56.8/42

All: 1726.948+/-215.968 χ^2/NDF: 86.5/82

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1413.227+/-0.369 χ^2/NDF: 101425.6/16

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1420.284+/-0.365 χ^2/NDF: 101100.3/18

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

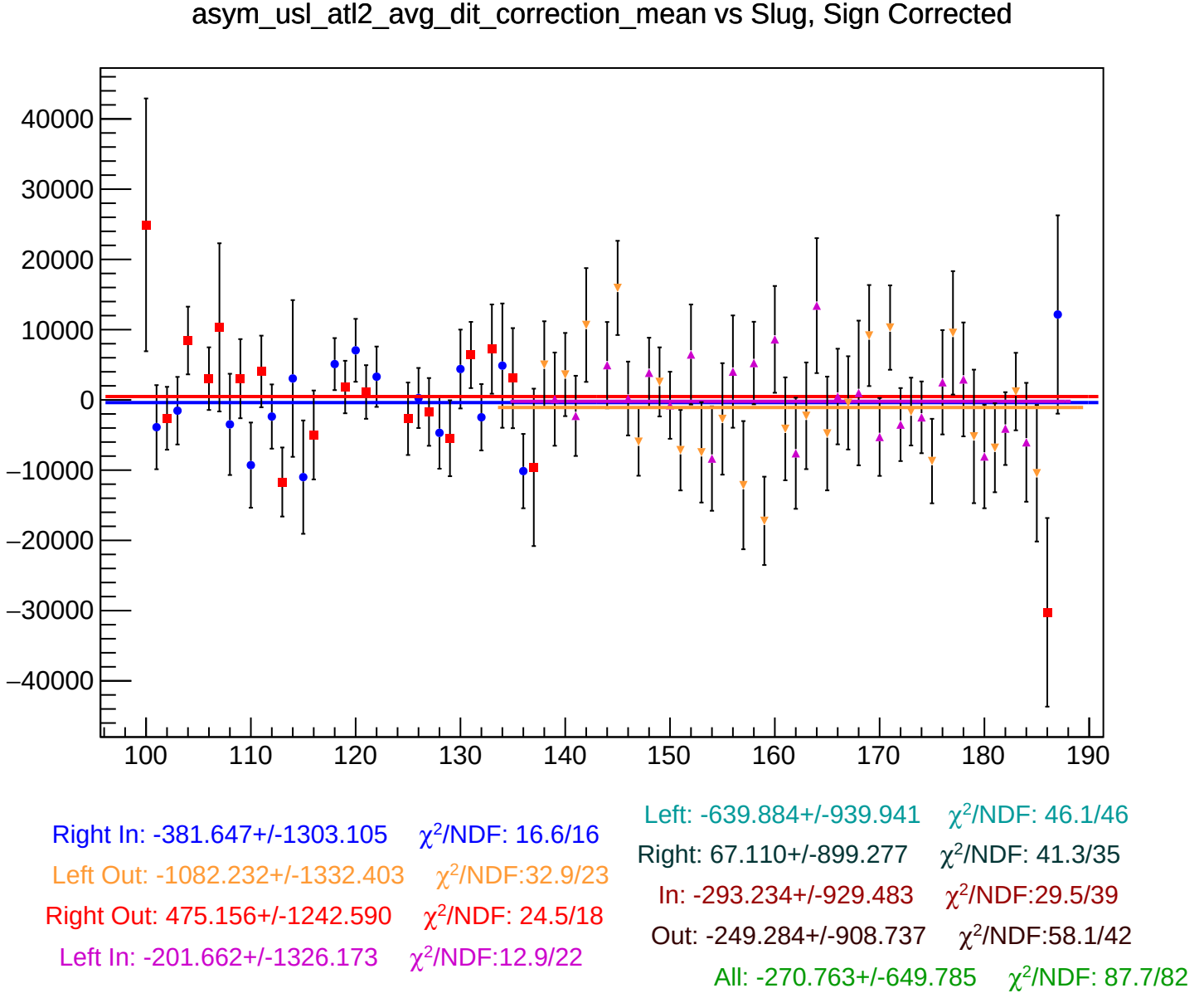
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1416.792+/-0.259 χ^2/NDF: 202710.9/35

In: 1545.909+/-0.216 χ^2/NDF:436258.3/39

Out: 1551.063+/-0.215 χ^2/NDF:440220.7/42

All: 1548.499+/-0.153 χ^2/NDF: 876764.0/82


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
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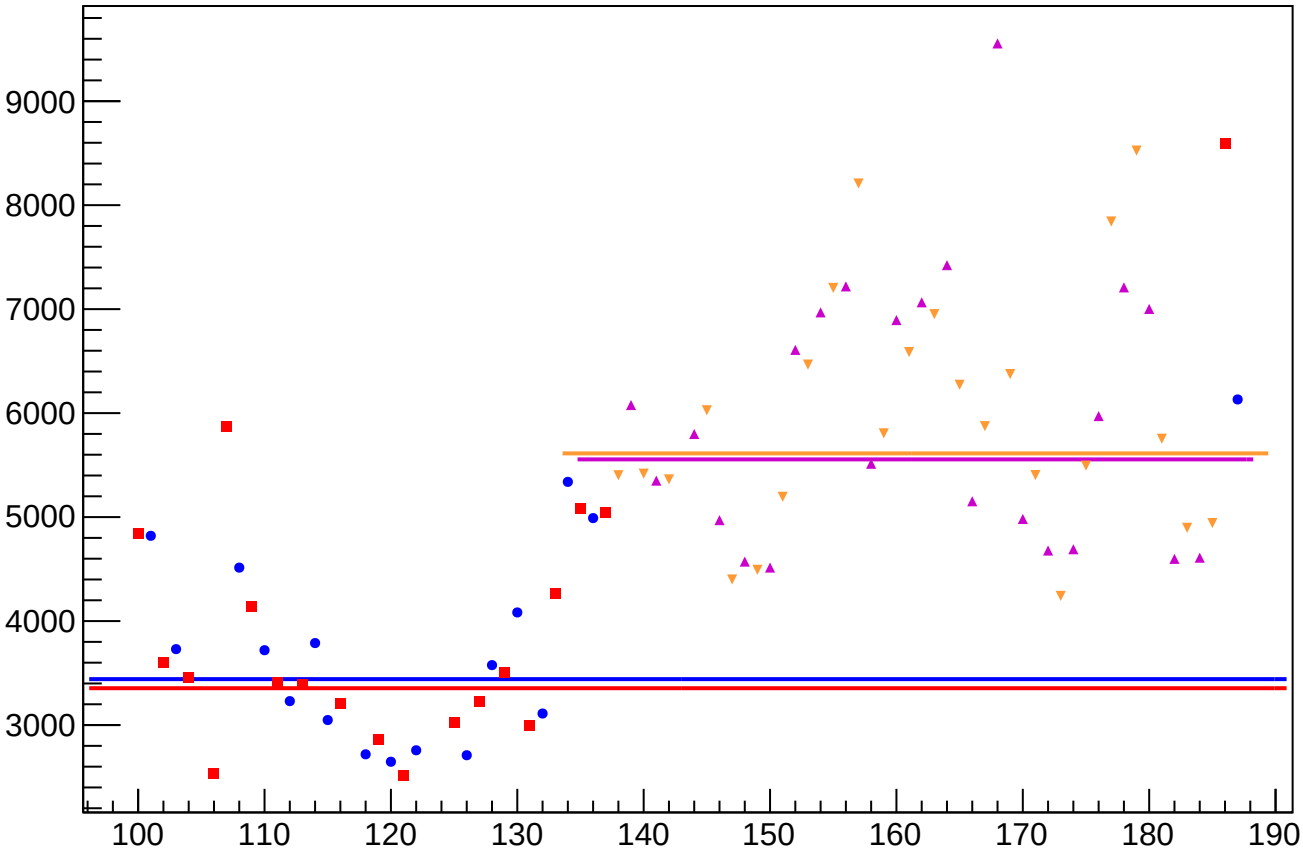
180
190
Right In: -381.647+/-1303.105 χ²/NDF: 16.6/16
Left Out: -1082.232+/-1332.403 χ²/NDF:32.9/23
Right Out: 475.156+/-1242.590 χ²/NDF: 24.5/18
Left In: -201.662+/-1326.173 χ²/NDF:12.9/22
Left: -639.884+/-939.941 χ²/NDF: 46.1/46
Right: 67.110+/-899.277 χ²/NDF: 41.3/35
In: -293.234+/-929.483 χ²/NDF:29.5/39
Out: -249.284+/-908.737 χ²/NDF:58.1/42
All: -270.763+/-649.785 χ²/NDF: 87.7/82



Right In: 3441.813+/-0.921 χ^2/NDF: 794430.4/16

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3354.374+/-0.879 χ^2/NDF: 879027.4/18

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

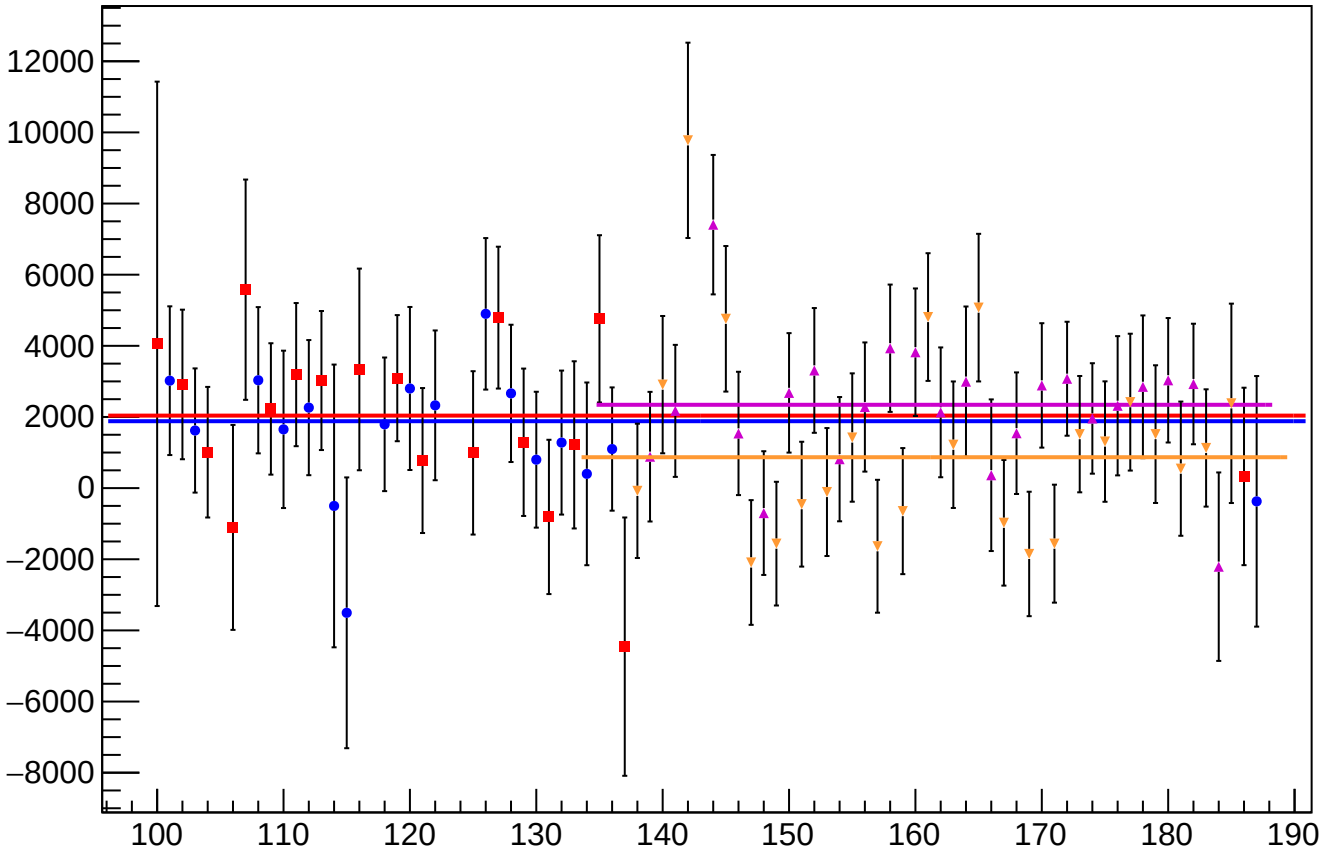
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3396.016+/-0.636 χ^2/NDF: 1678174.2/35

In: 4479.831+/-0.657 χ^2/NDF:4710846.3/39

Out: 4404.879+/-0.643 χ^2/NDF:5140162.0/42

All: 4441.509+/-0.459 χ^2/NDF: 9857657.6/82



Right In: 1881.082+/-521.330 χ^2/NDF: 6.8/16

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2038.328+/-517.304 χ^2/NDF: 13.7/18

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

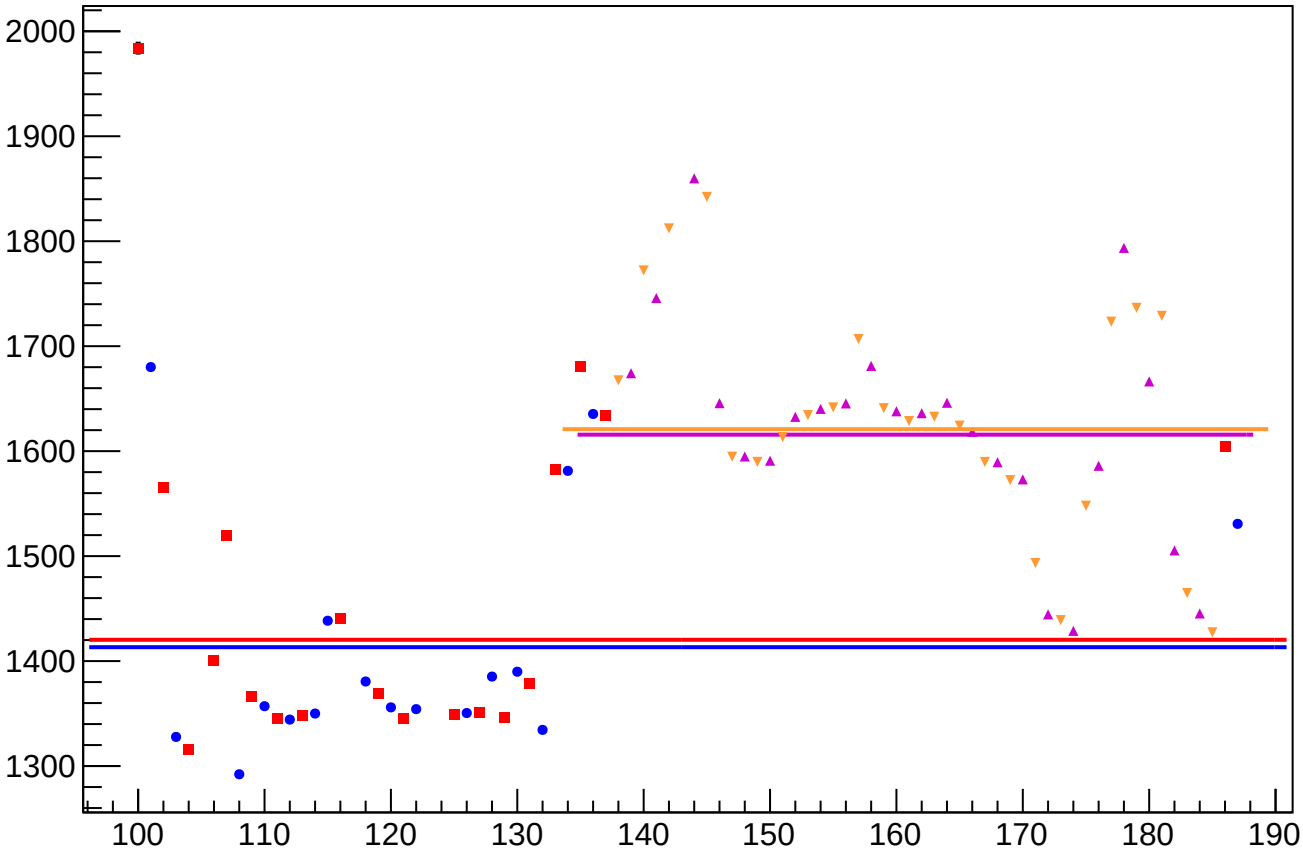
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 1960.315+/-367.204 χ^2/NDF: 20.5/35

In: 2183.316+/-306.083 χ^2/NDF:25.3/39

Out: 1274.487+/-304.770 χ^2/NDF:56.8/42

All: 1726.947+/-215.968 χ^2/NDF: 86.5/82



Right In: 1413.227+/-0.369 χ^2/NDF: 101425.6/16

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1420.283+/-0.365 χ^2/NDF: 101100.2/18

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

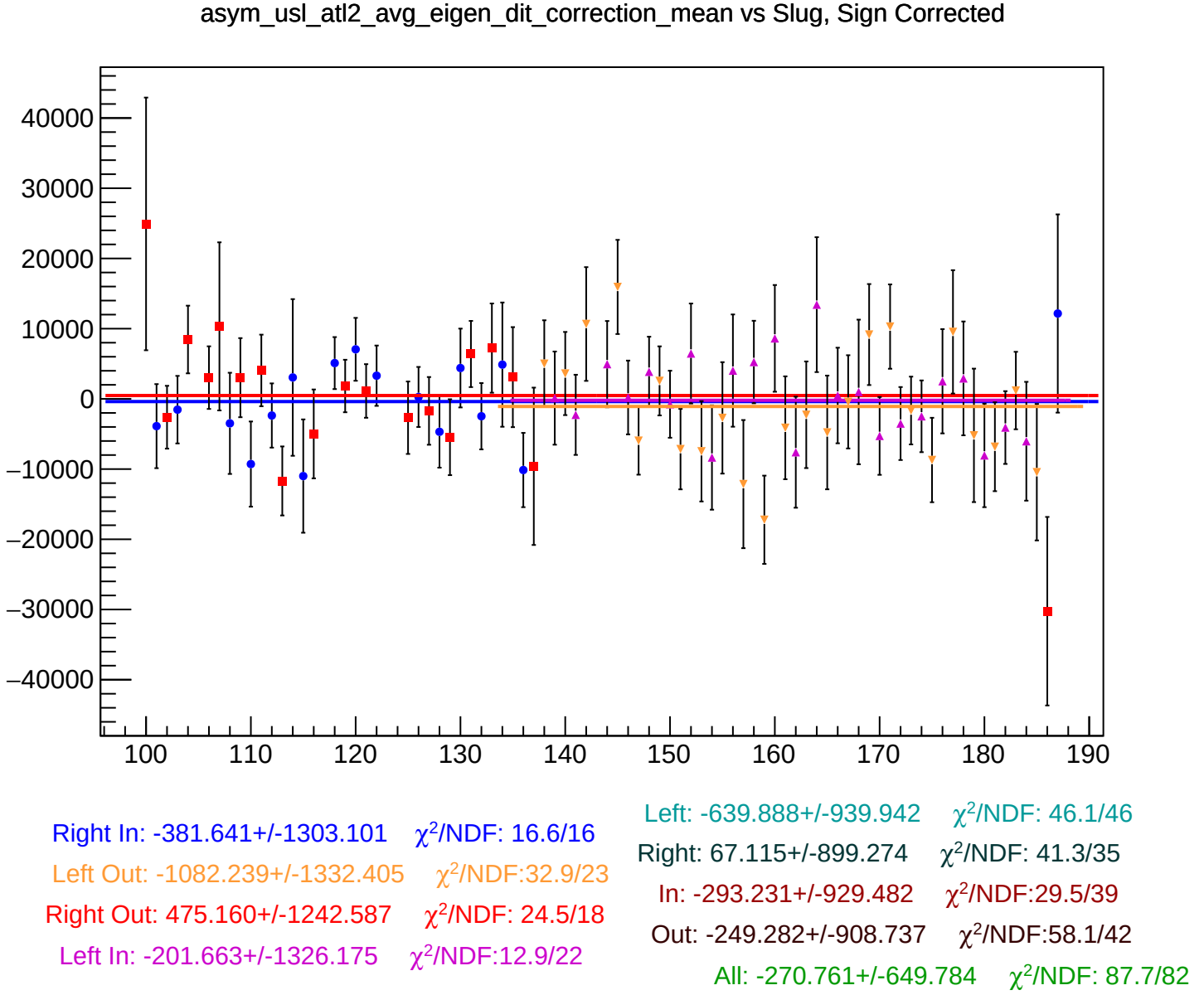
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1416.792+/-0.259 χ^2/NDF: 202710.9/35

In: 1545.909+/-0.216 χ^2/NDF:436265.3/39

Out: 1551.064+/-0.215 χ^2/NDF:440228.3/42

All: 1548.500+/-0.153 χ^2/NDF: 876778.7/82


asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
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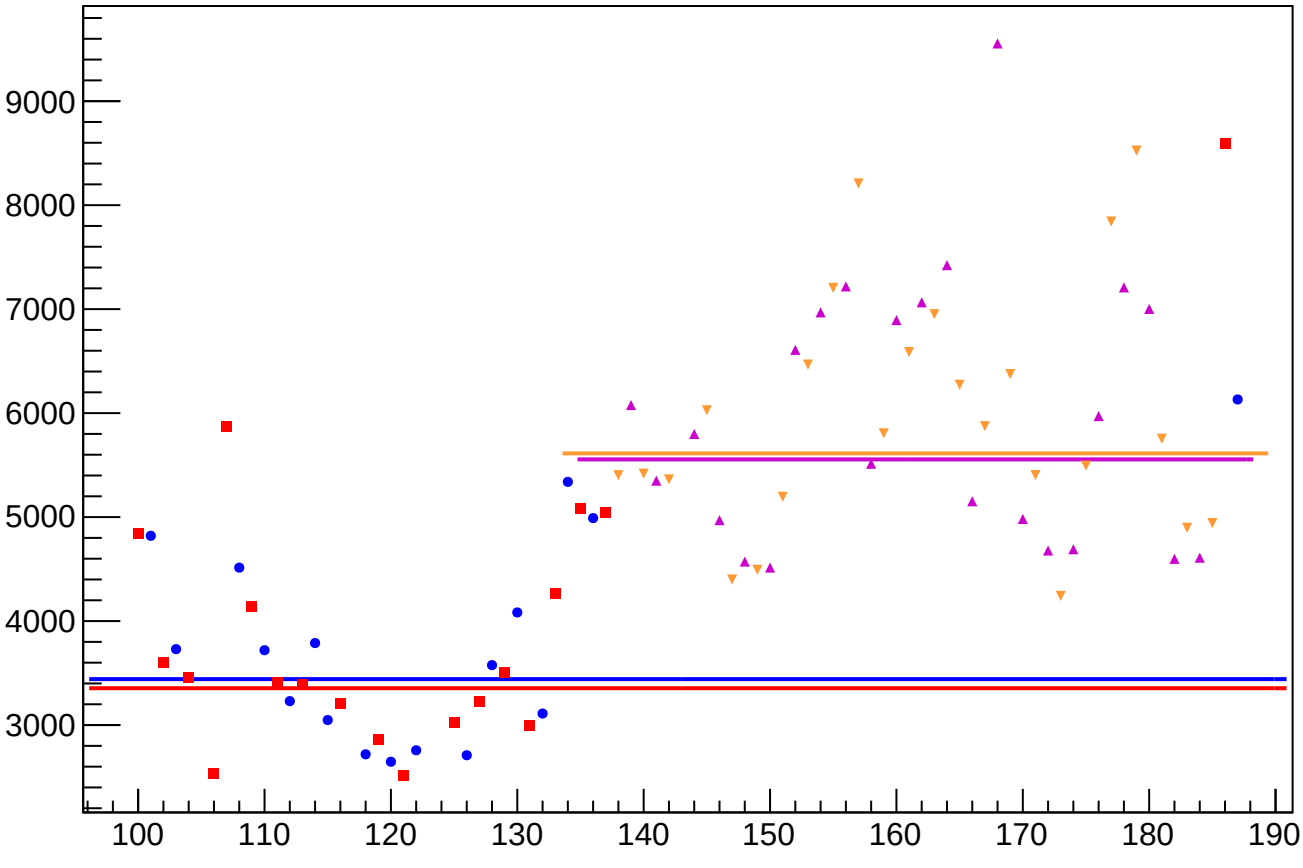
Right In: -381.641+/-1303.101 χ²/NDF: 16.6/16
Left Out: -1082.239+/-1332.405 χ²/NDF:32.9/23
Right Out: 475.160+/-1242.587 χ²/NDF: 24.5/18
Left In: -201.663+/-1326.175 χ²/NDF:12.9/22
Left: -639.888+/-939.942 χ²/NDF: 46.1/46
Right: 67.115+/-899.274 χ²/NDF: 41.3/35
In: -293.231+/-929.482 χ²/NDF:29.5/39
Out: -249.282+/-908.737 χ²/NDF:58.1/42
All: -270.761+/-649.784 χ²/NDF: 87.7/82



Right In: 3441.802+/-0.921 χ^2/NDF: 794439.9/16

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3354.363+/-0.879 χ^2/NDF: 879032.5/18

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

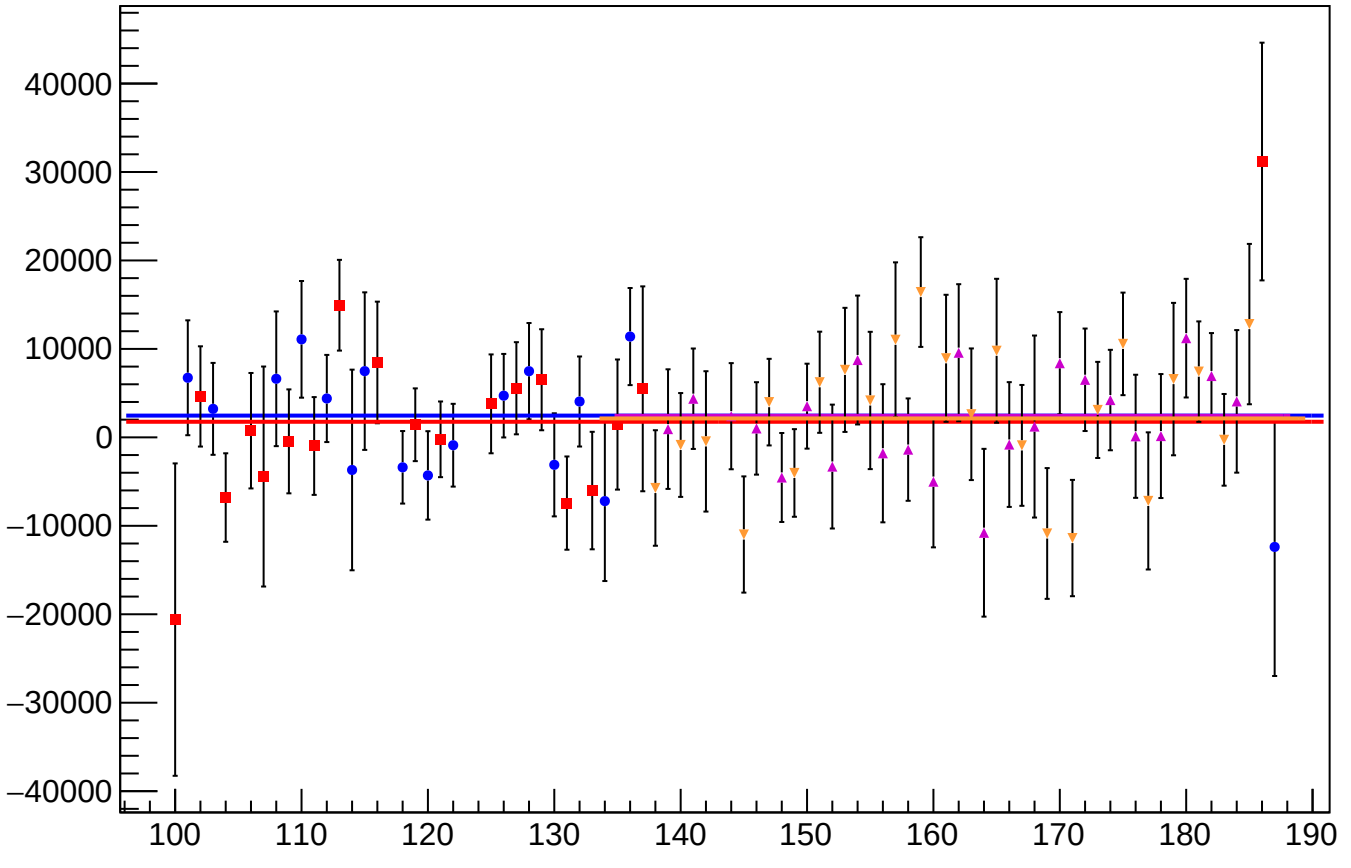
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 3396.005+/-0.636 χ^2/NDF: 1678188.8/35

In: 4479.825+/-0.657 χ^2/NDF:4710908.7/39

Out: 4404.873+/-0.643 χ^2/NDF:5140222.7/42

All: 4441.503+/-0.459 χ^2/NDF: 9857780.7/82



Right In: 2460.091+/-1407.899 χ^2/NDF: 14.5/16

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 1761.989+/-1375.554 χ^2/NDF: 23.9/18

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

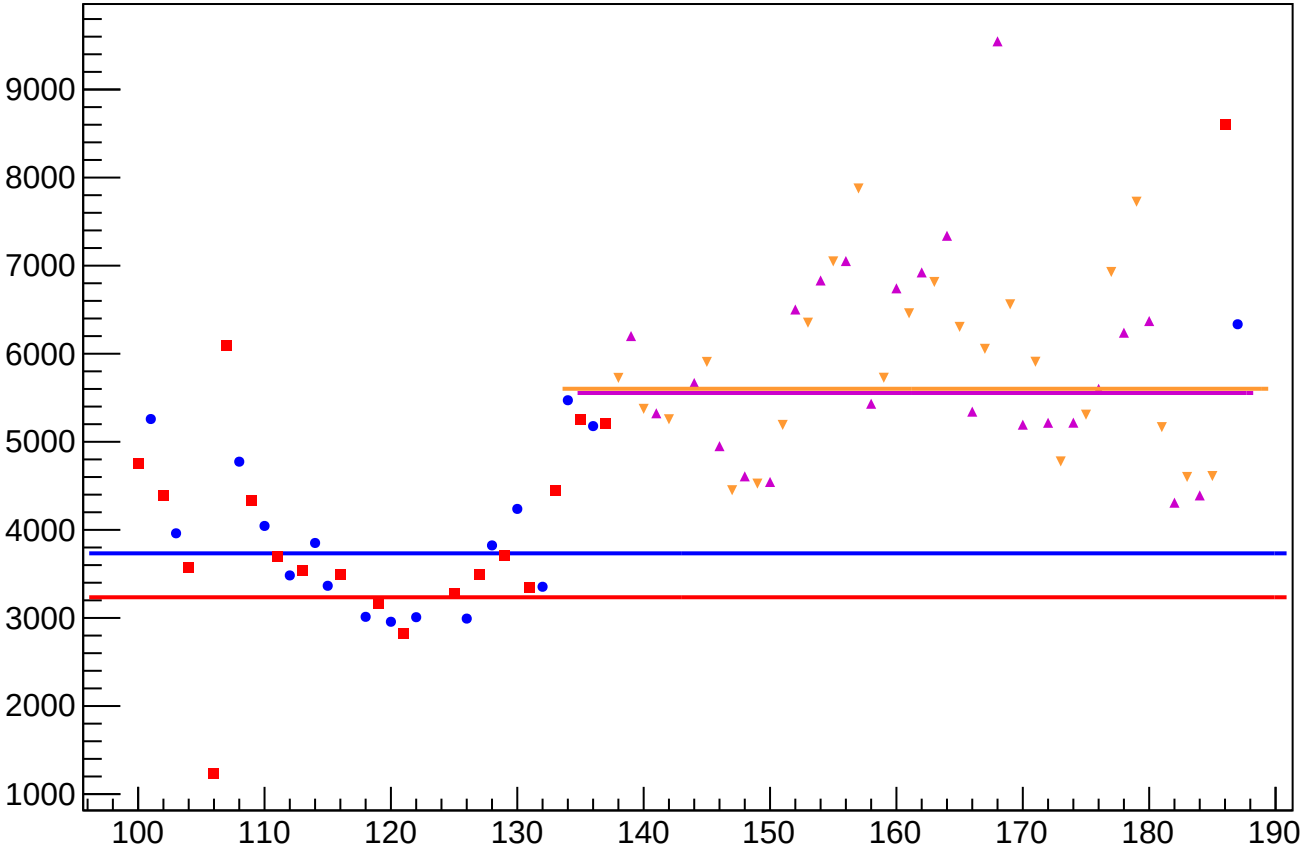
Right: 2102.929+/-983.900 χ^2/NDF: 38.5/35

In: 2443.057+/-963.376 χ^2/NDF:27.4/39

Out: 1957.190+/-954.059 χ^2/NDF:54.6/42

All: 2197.763+/-677.892 χ^2/NDF: 82.1/82

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3733.597+/-0.996 χ^2/NDF: 674785.8/16

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3234.878+/-0.892 χ^2/NDF: 1932823.9/18

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

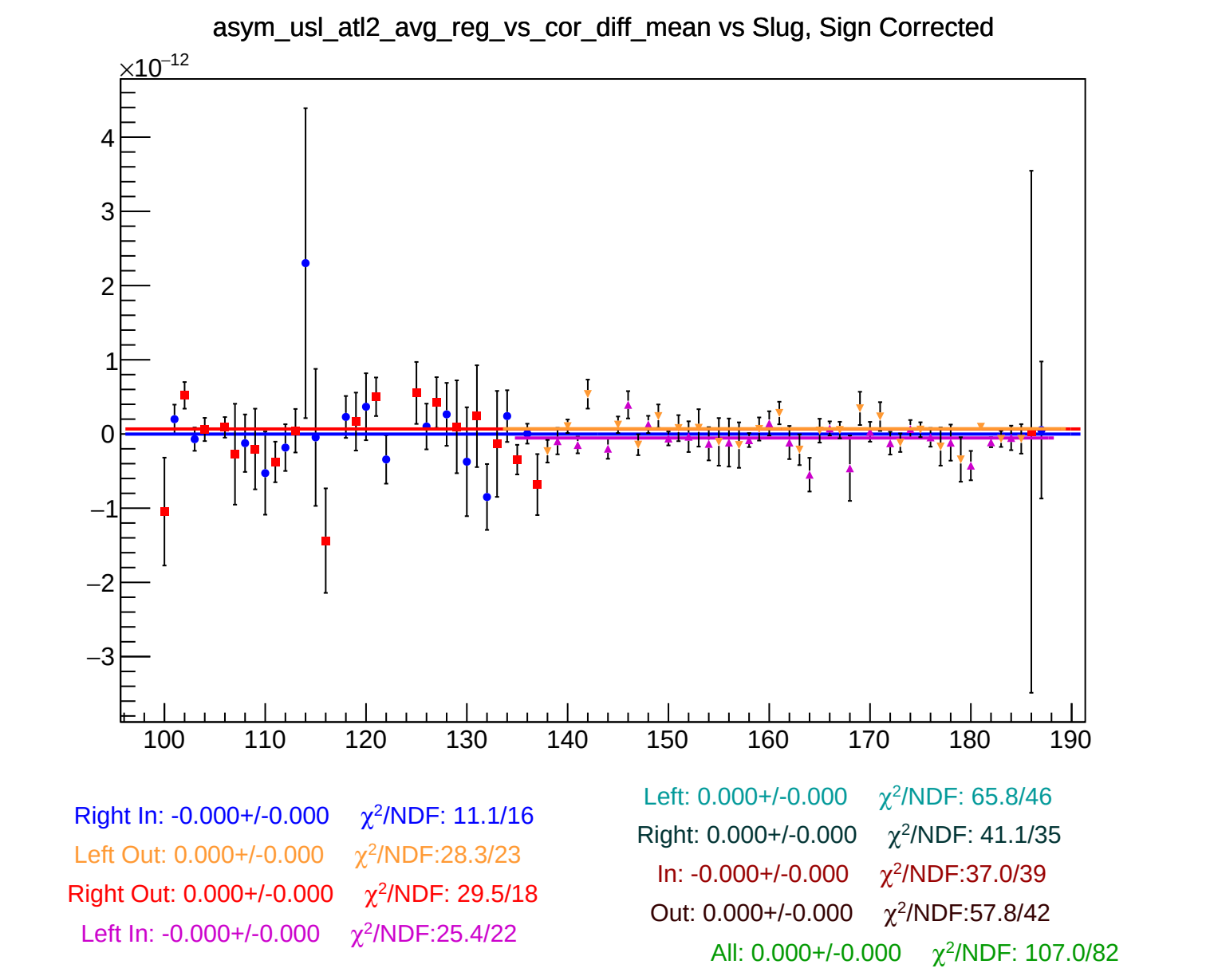
Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

Right: 3456.858+/-0.664 χ^2/NDF: 2746865.8/35

In: 4701.681+/-0.681 χ^2/NDF:3565170.7/39

Out: 4360.503+/-0.646 χ^2/NDF:6225307.7/42

All: 4521.980+/-0.469 χ^2/NDF: 9922598.8/82


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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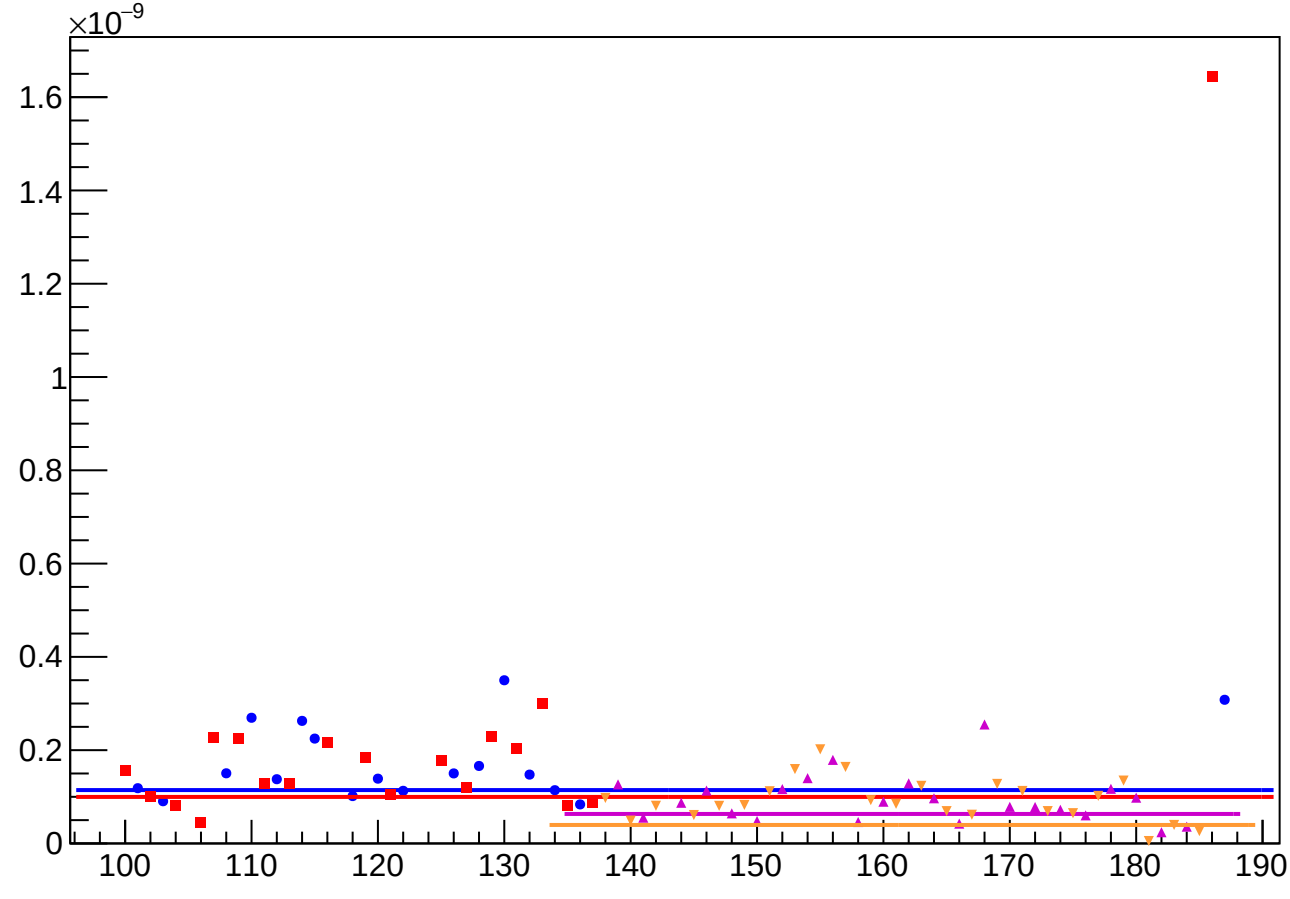
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.1/16
Left Out: 0.000+/-0.000 χ²/NDF:28.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/18
Left In: -0.000+/-0.000 χ²/NDF:25.4/22
Left: 0.000+/-0.000 χ²/NDF: 65.8/46
Right: 0.000+/-0.000 χ²/NDF: 41.1/35
In: -0.000+/-0.000 χ²/NDF:37.0/39
Out: 0.000+/-0.000 χ²/NDF:57.8/42
All: 0.000+/-0.000 χ²/NDF: 107.0/82



Right In: 0.000+/-0.000 χ^2/NDF: 744221.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1486667.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

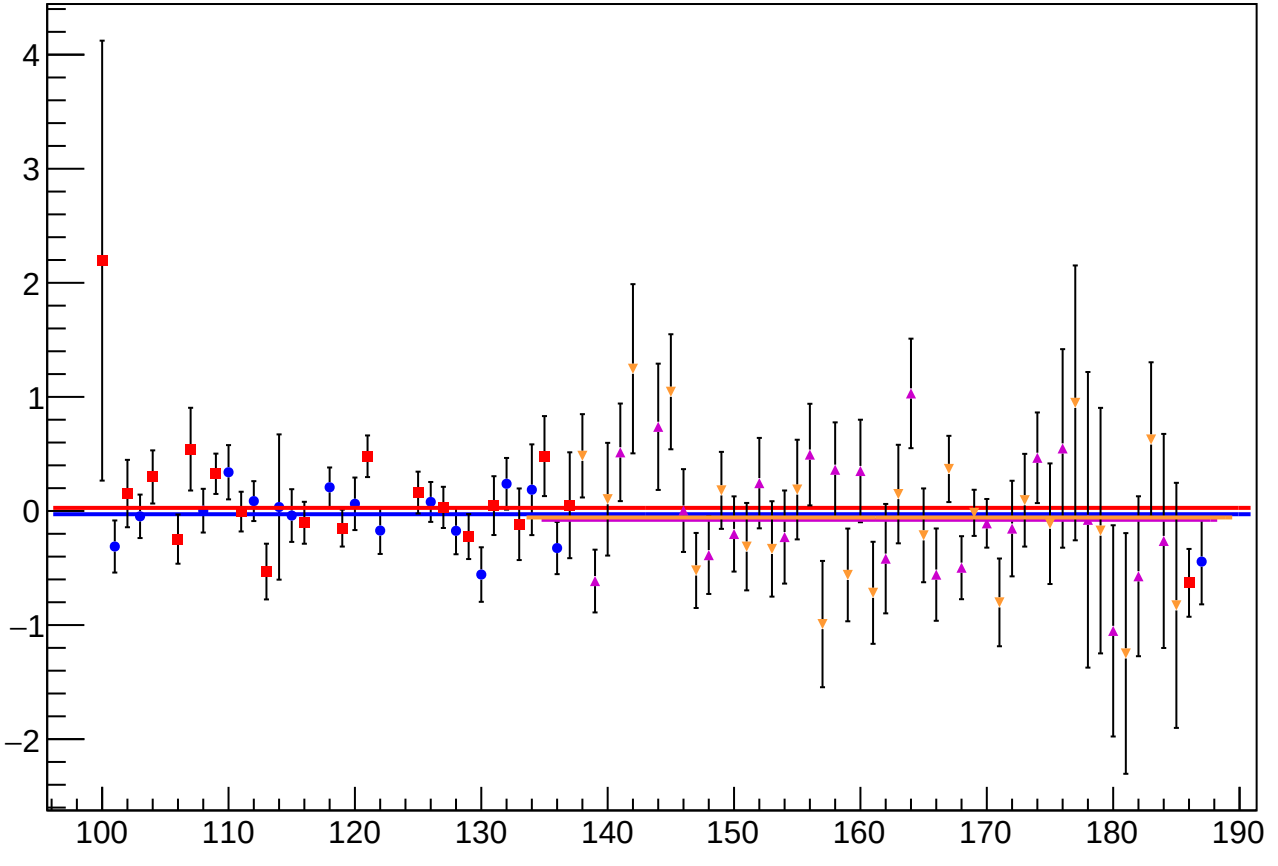
Right: 0.000+/-0.000 χ^2/NDF: 2277530.1/35

In: 0.000+/-0.000 χ^2/NDF:4584120.0/39

Out: 0.000+/-0.000 χ^2/NDF:9947141.4/42

All: 0.000+/-0.000 χ^2/NDF: 15610449.0/82

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

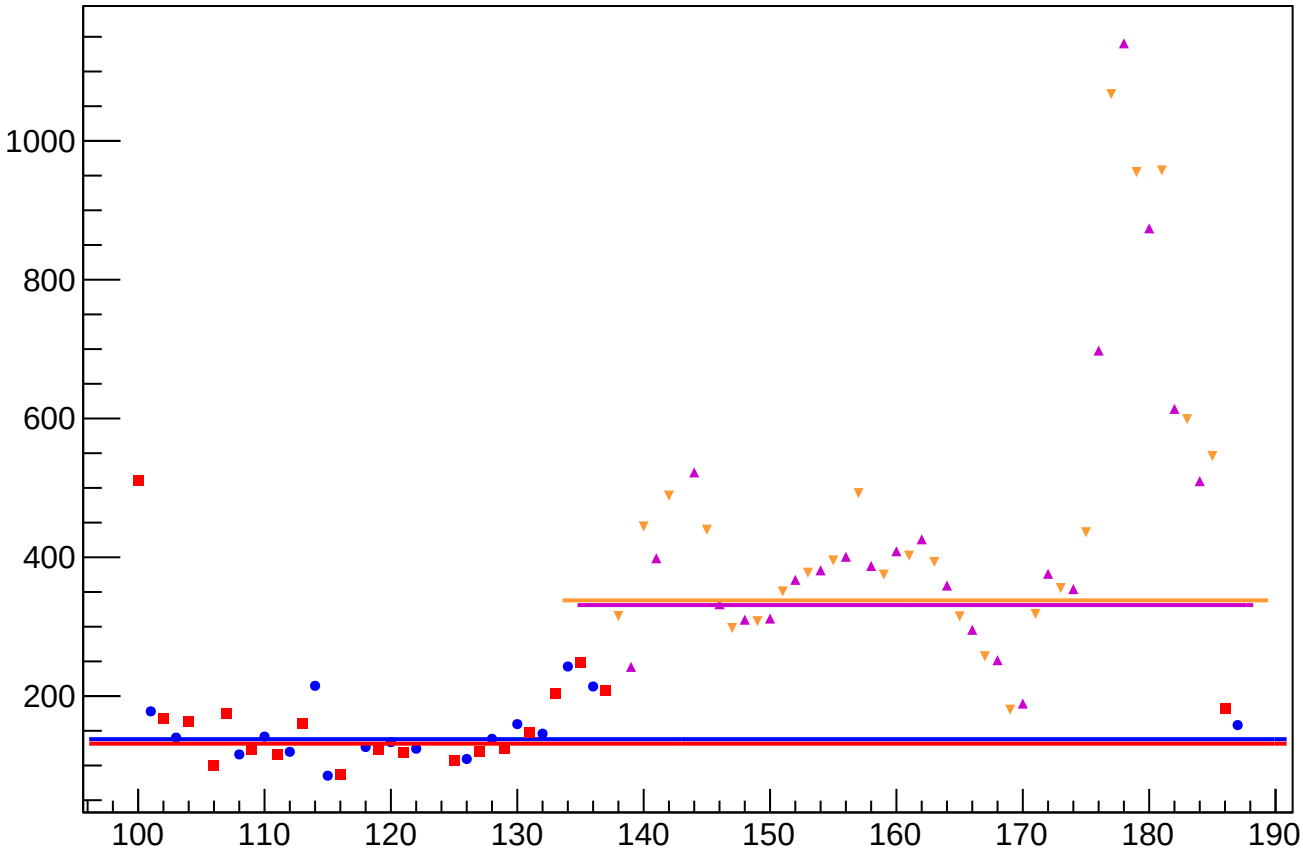
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.000+/-0.037 χ^2/NDF: 49.2/35

In: -0.043+/-0.045 χ^2/NDF:44.5/39

Out: 0.005+/-0.044 χ^2/NDF:62.4/42

All: -0.019+/-0.032 χ^2/NDF: 107.5/82



Right In: 137.918+/-0.038 χ^2/NDF: 698962.2/16

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 131.474+/-0.037 χ^2/NDF: 894452.4/18

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

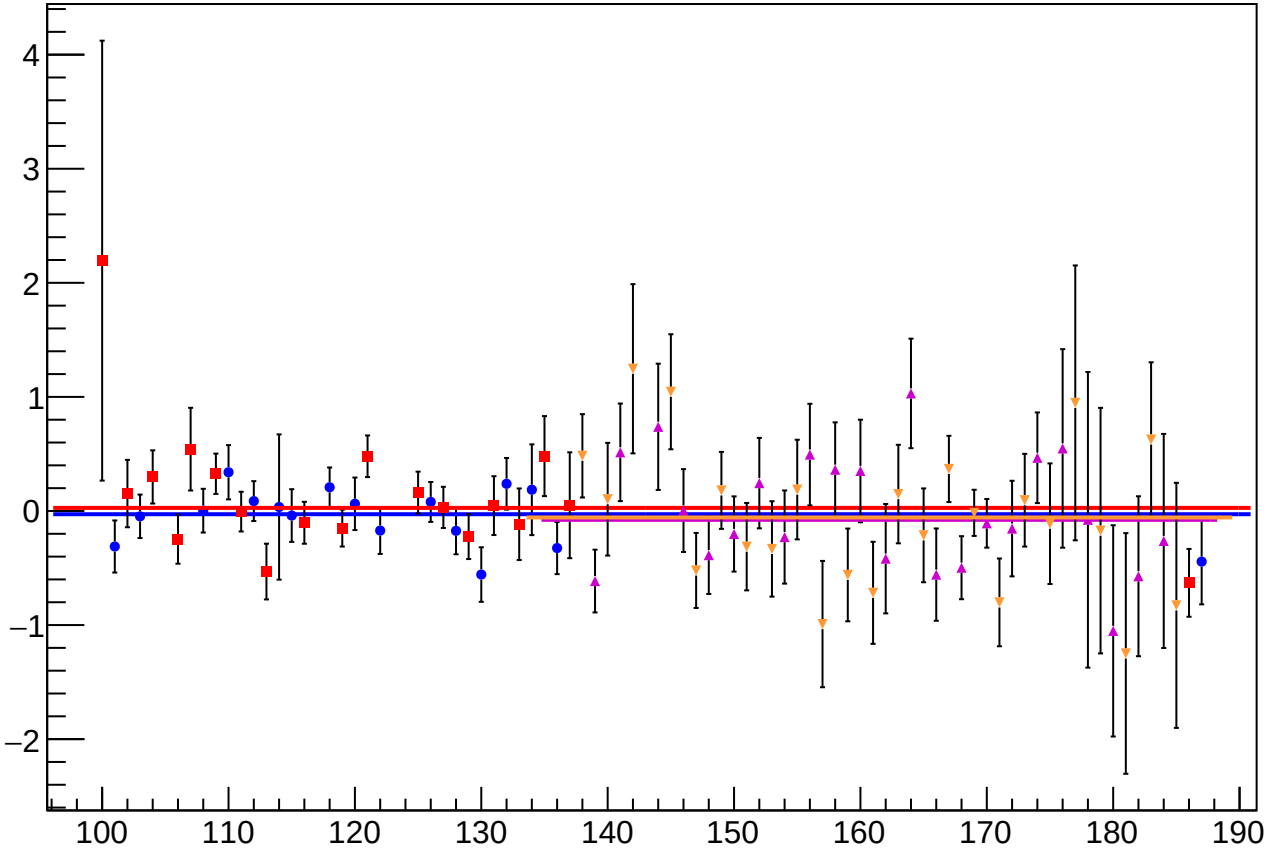
Right: 134.577+/-0.026 χ^2/NDF: 1608376.9/35

In: 194.461+/-0.032 χ^2/NDF:12398895.2/39

Out: 186.782+/-0.031 χ^2/NDF:13957651.4/42

All: 190.545+/-0.022 χ^2/NDF: 26386079.6/82

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

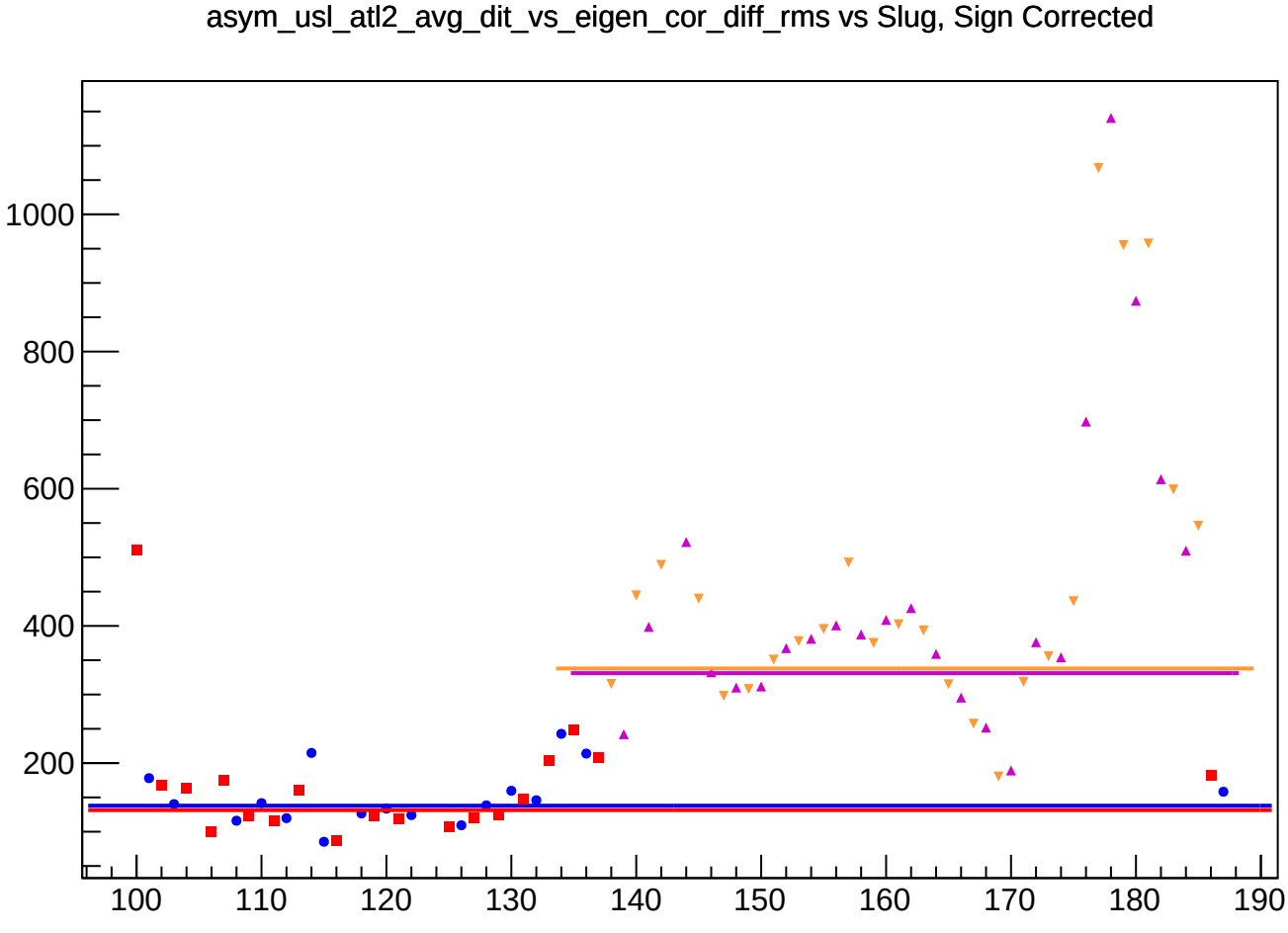
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.000+/-0.037 χ^2/NDF: 49.2/35

In: -0.043+/-0.045 χ^2/NDF:44.5/39

Out: 0.005+/-0.044 χ^2/NDF:62.4/42

All: -0.019+/-0.032 χ^2/NDF: 107.5/82


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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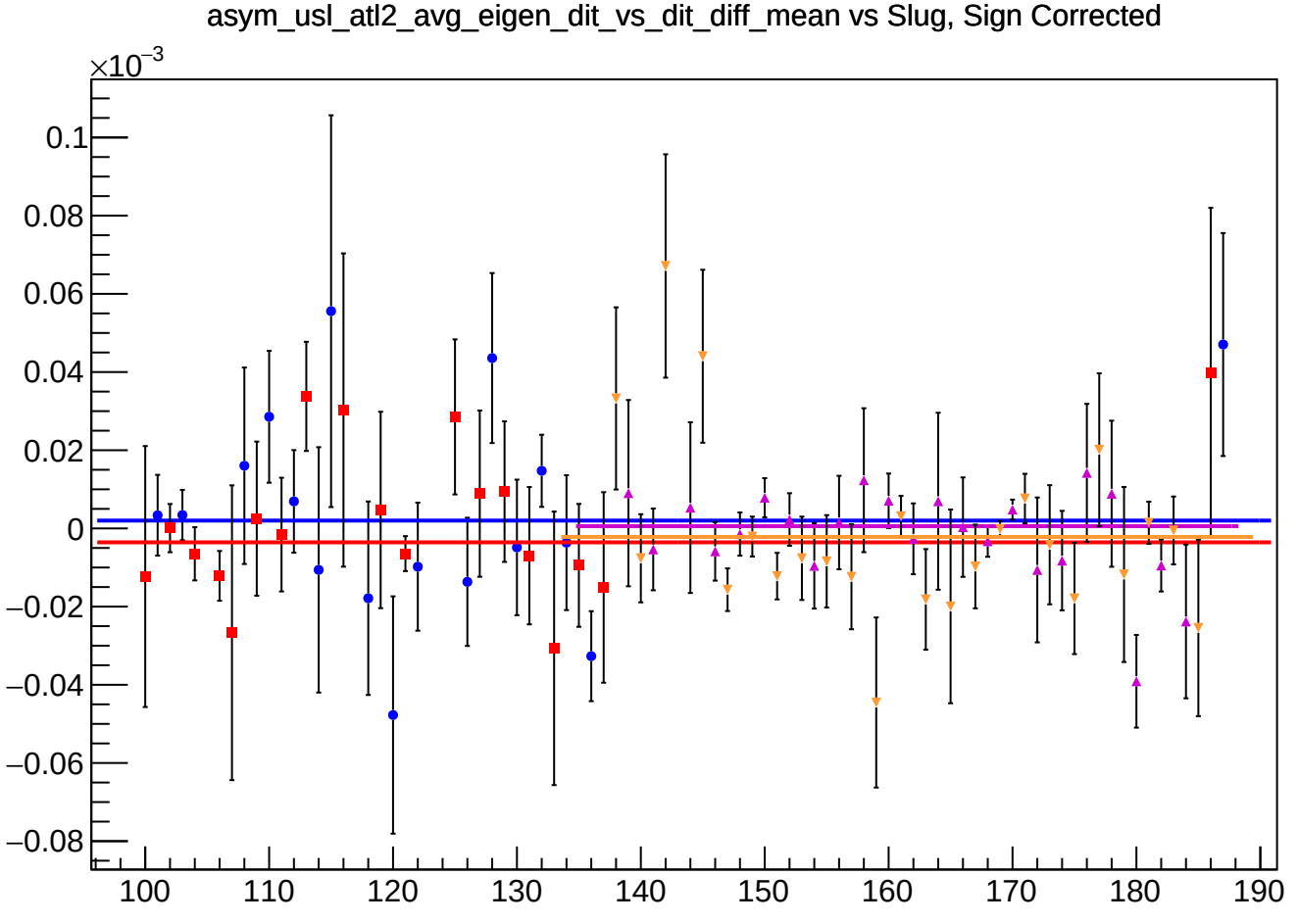
190
Right In: 137.918+/-0.038 χ²/NDF: 698962.2/16
Left Out: 337.937+/-0.060 χ²/NDF:4517129.8/23
Right Out: 131.474+/-0.037 χ²/NDF: 894452.4/18
Left In: 331.158+/-0.059 χ²/NDF:4106959.8/22
Left: 334.465+/-0.042 χ²/NDF: 8630534.0/46
Right: 134.577+/-0.026 χ²/NDF: 1608376.9/35
In: 194.461+/-0.032 χ²/NDF:12398895.2/39
Out: 186.782+/-0.031 χ²/NDF:13957651.4/42
All: 190.545+/-0.022 χ²/NDF: 26386079.6/82


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
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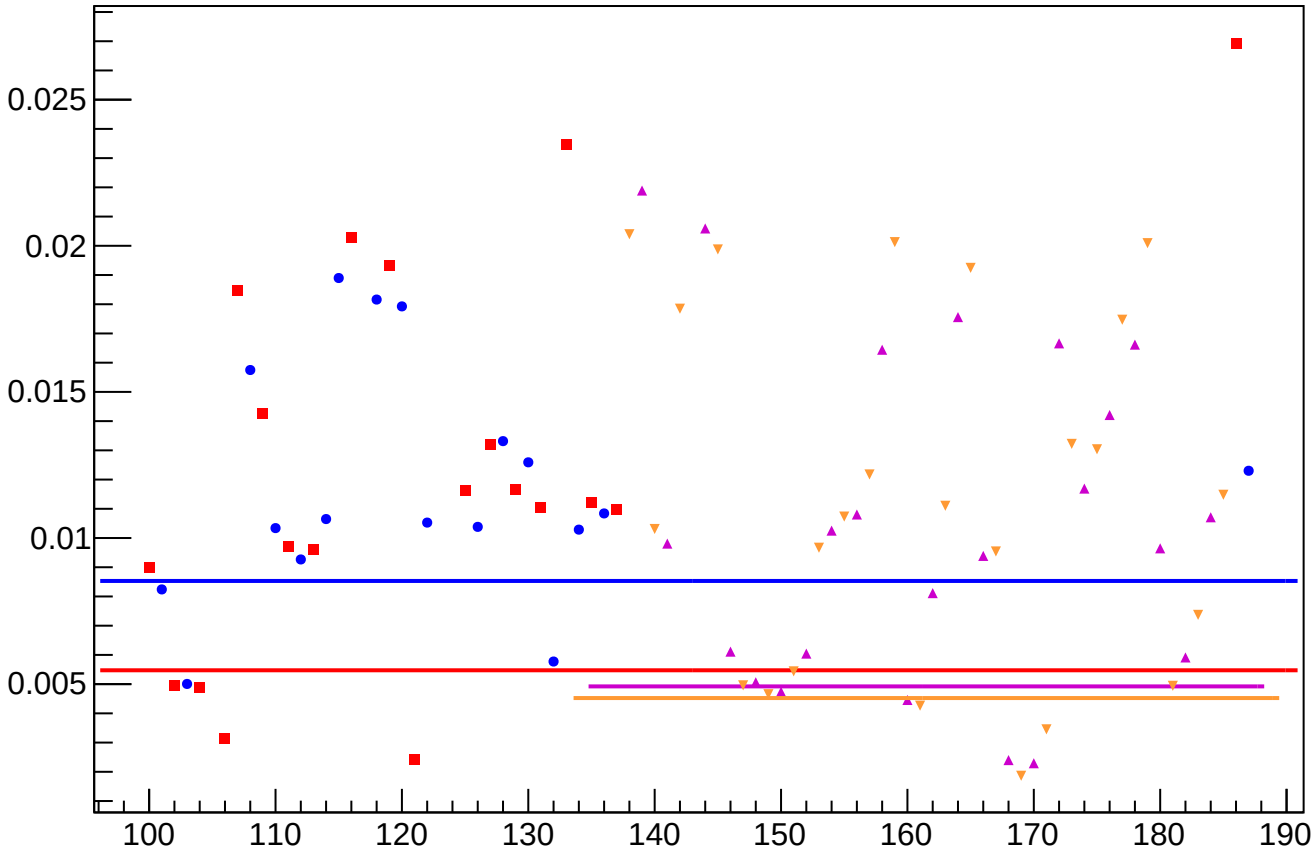
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 26.5/16
Left Out: -0.000+/-0.000 χ²/NDF:37.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/18
Left In: 0.000+/-0.000 χ²/NDF:26.2/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/46
Right: -0.000+/-0.000 χ²/NDF: 45.0/35
In: 0.000+/-0.000 χ²/NDF:52.8/39
Out: -0.000+/-0.000 χ²/NDF:55.0/42
All: -0.000+/-0.000 χ²/NDF: 111.0/82



Right In: 0.009+/-0.000 χ^2/NDF: 1961462.8/16

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.005+/-0.000 χ^2/NDF: 5429492.9/18

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

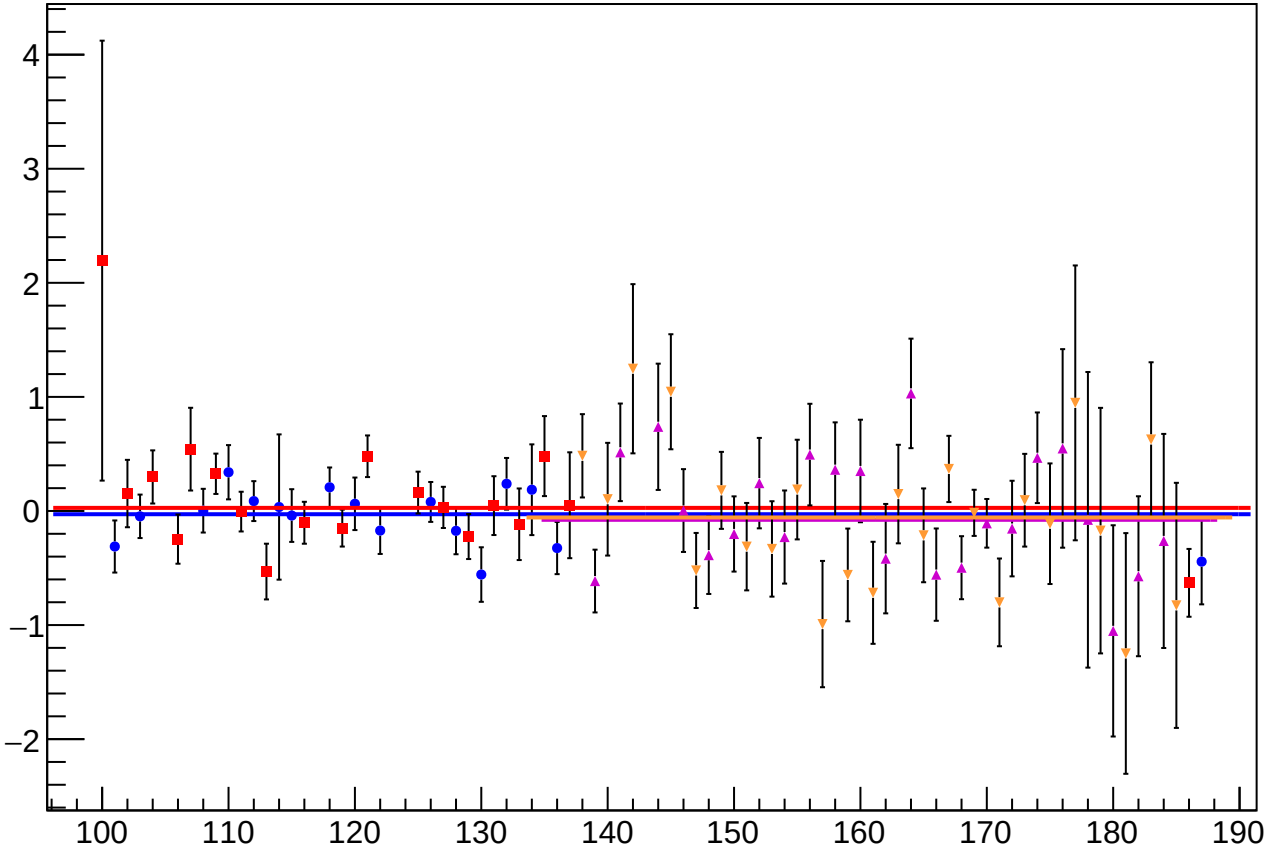
Right: 0.007+/-0.000 χ^2/NDF: 8424668.8/35

In: 0.005+/-0.000 χ^2/NDF:15455181.1/39

Out: 0.005+/-0.000 χ^2/NDF:19885959.2/42

All: 0.005+/-0.000 χ^2/NDF: 35676192.5/82

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

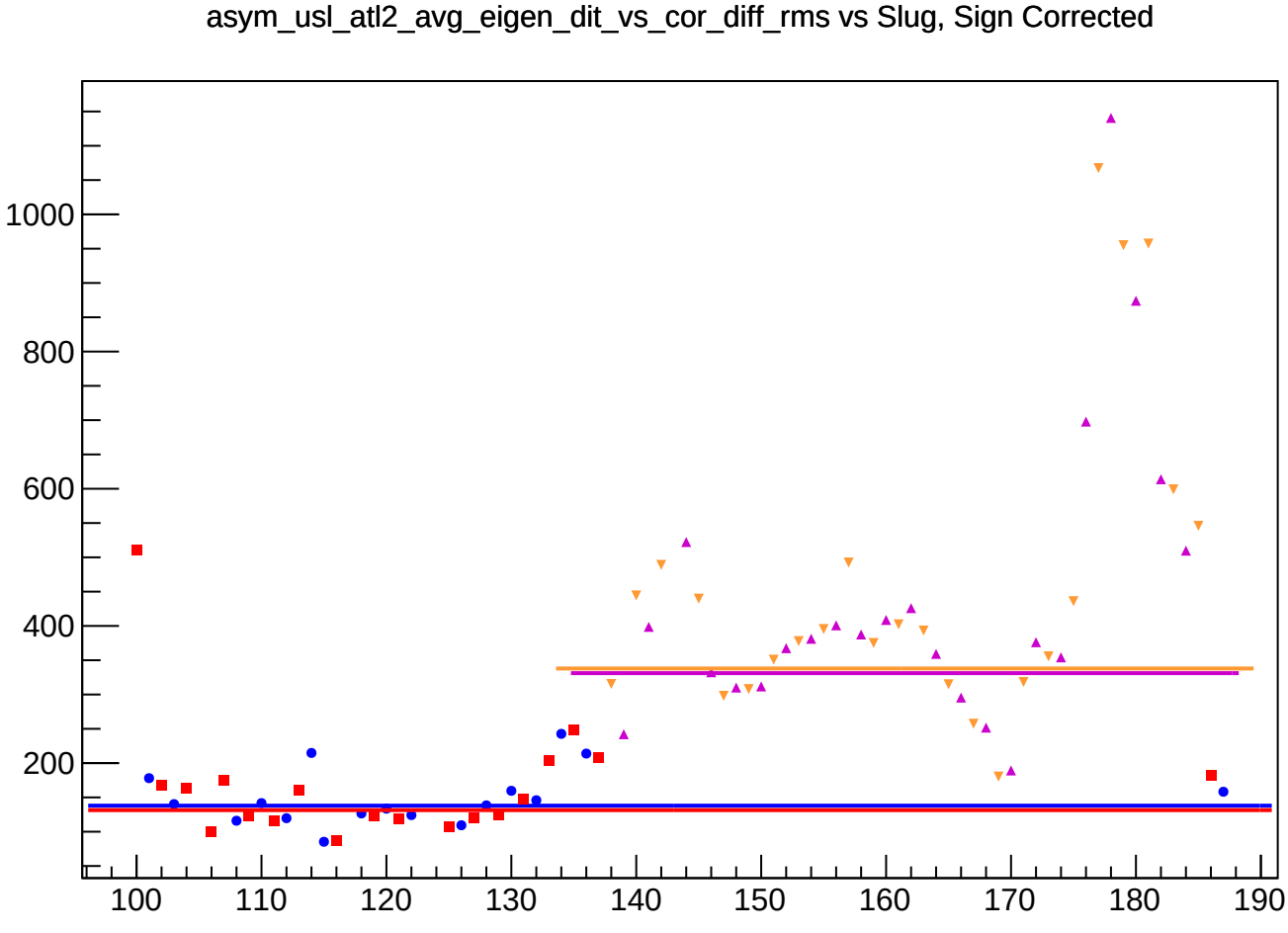
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.000+/-0.037 χ^2/NDF: 49.2/35

In: -0.043+/-0.045 χ^2/NDF:44.5/39

Out: 0.005+/-0.044 χ^2/NDF:62.4/42

All: -0.019+/-0.032 χ^2/NDF: 107.5/82


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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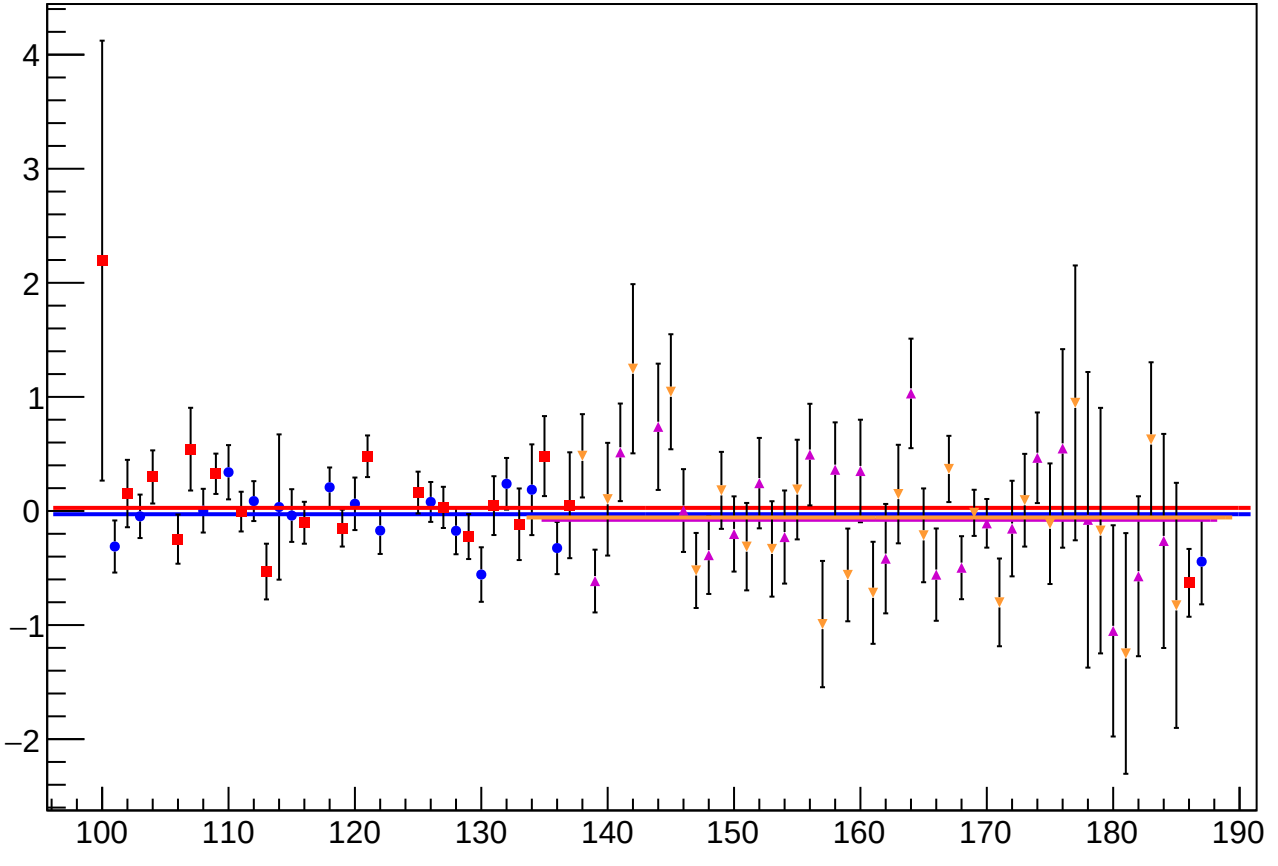
Right In: 137.918+/-0.038 χ²/NDF: 698940.5/16
Left Out: 337.939+/-0.060 χ²/NDF:4517201.8/23
Right Out: 131.474+/-0.037 χ²/NDF: 894378.9/18
Left In: 331.161+/-0.059 χ²/NDF:4106963.1/22
Left: 334.468+/-0.042 χ²/NDF: 8630607.3/46
Right: 134.577+/-0.026 χ²/NDF: 1608282.3/35
In: 194.461+/-0.032 χ²/NDF:12399015.9/39
Out: 186.782+/-0.031 χ²/NDF:13957764.7/42
All: 190.545+/-0.022 χ²/NDF: 26386318.1/82

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

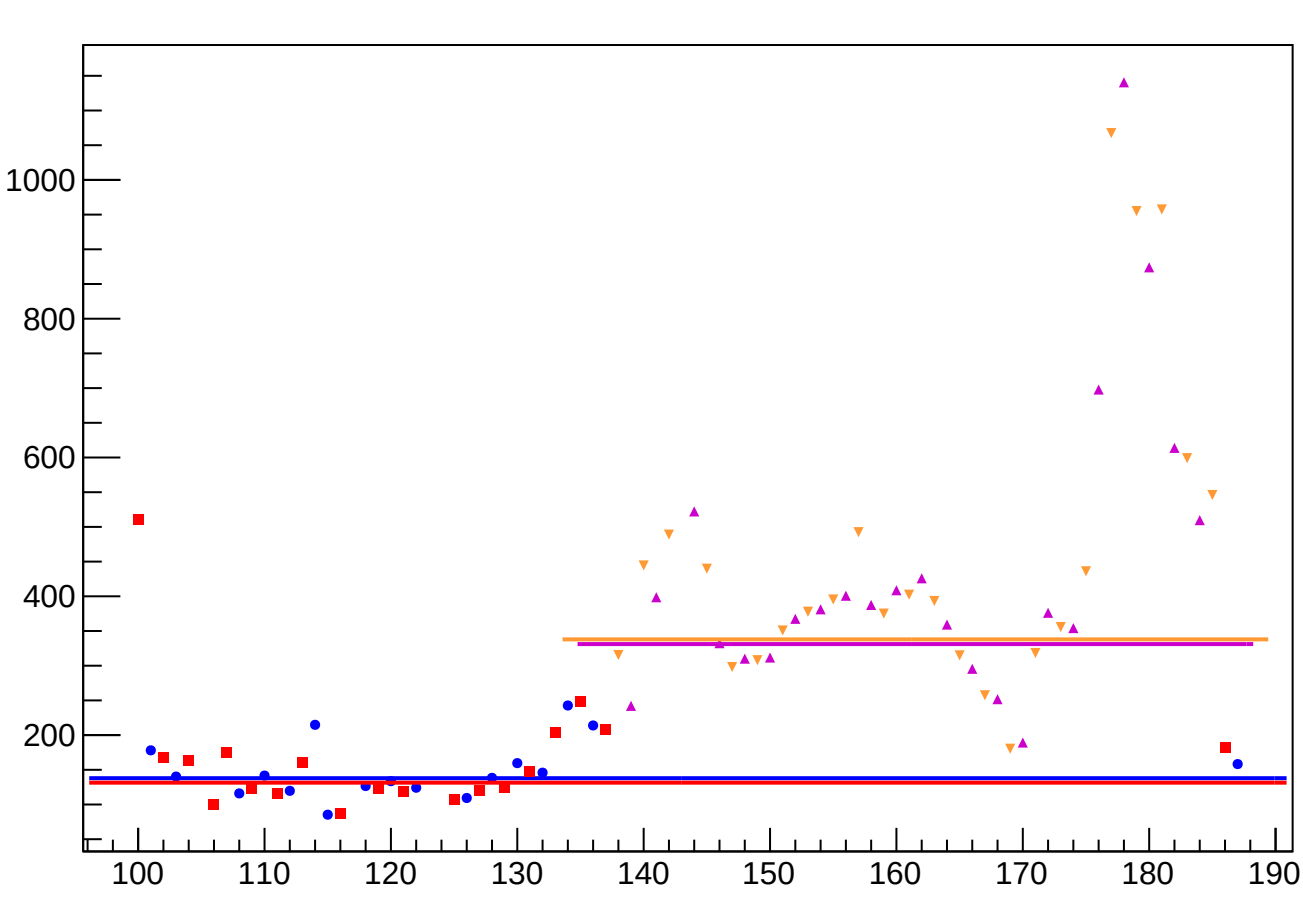
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.000+/-0.037 χ^2/NDF: 49.2/35

In: -0.043+/-0.045 χ^2/NDF:44.5/39

Out: 0.005+/-0.044 χ^2/NDF:62.4/42

All: -0.019+/-0.032 χ^2/NDF: 107.5/82


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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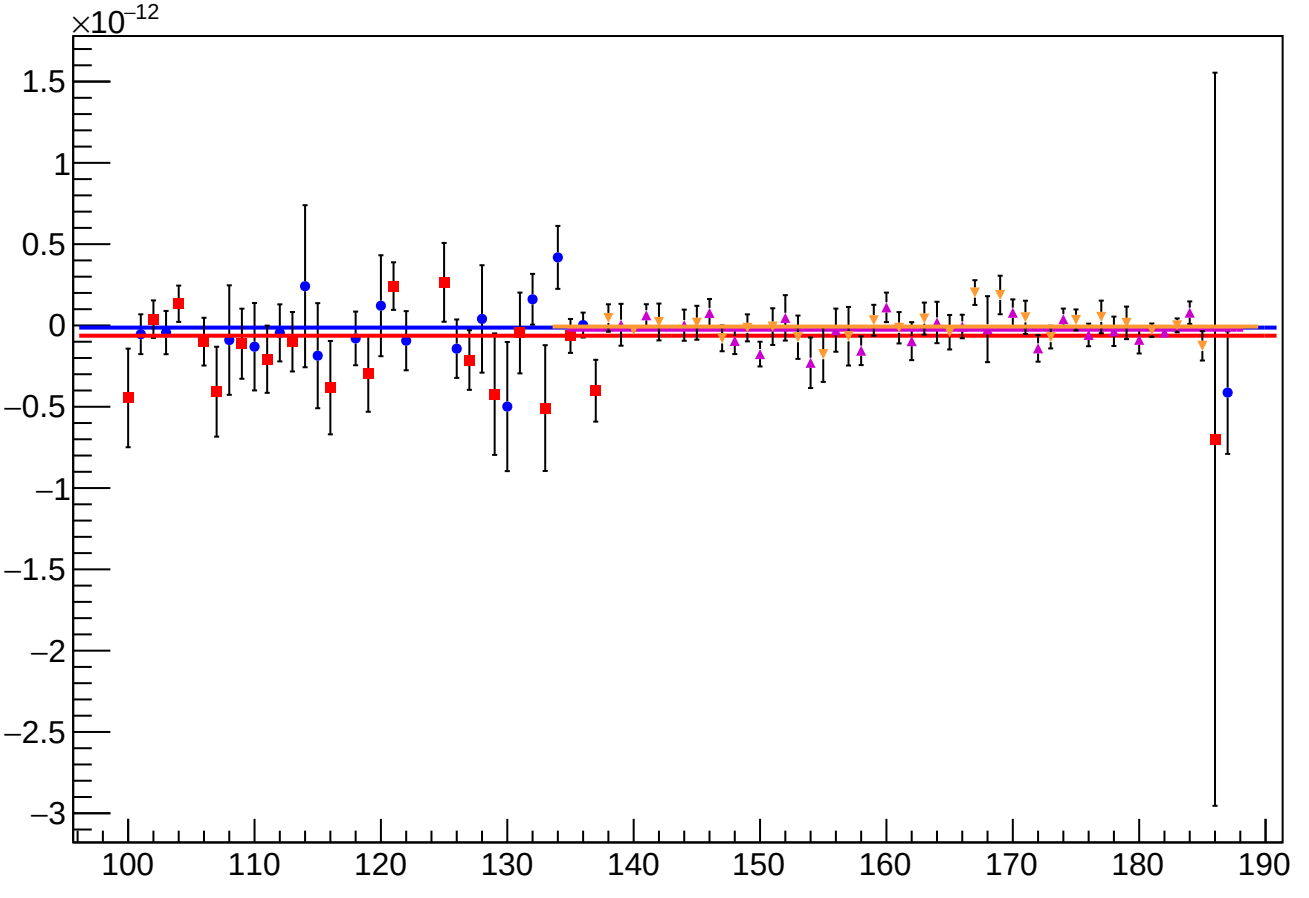
190
Right In: 137.918+/-0.038 χ²/NDF: 698940.5/16
Left Out: 337.939+/-0.060 χ²/NDF:4517201.8/23
Right Out: 131.474+/-0.037 χ²/NDF: 894378.9/18
Left In: 331.161+/-0.059 χ²/NDF:4106963.1/22
Left: 334.468+/-0.042 χ²/NDF: 8630607.3/46
Right: 134.577+/-0.026 χ²/NDF: 1608282.3/35
In: 194.461+/-0.032 χ²/NDF:12399015.9/39
Out: 186.782+/-0.031 χ²/NDF:13957764.7/42
All: 190.545+/-0.022 χ²/NDF: 26386318.1/82



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/18

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

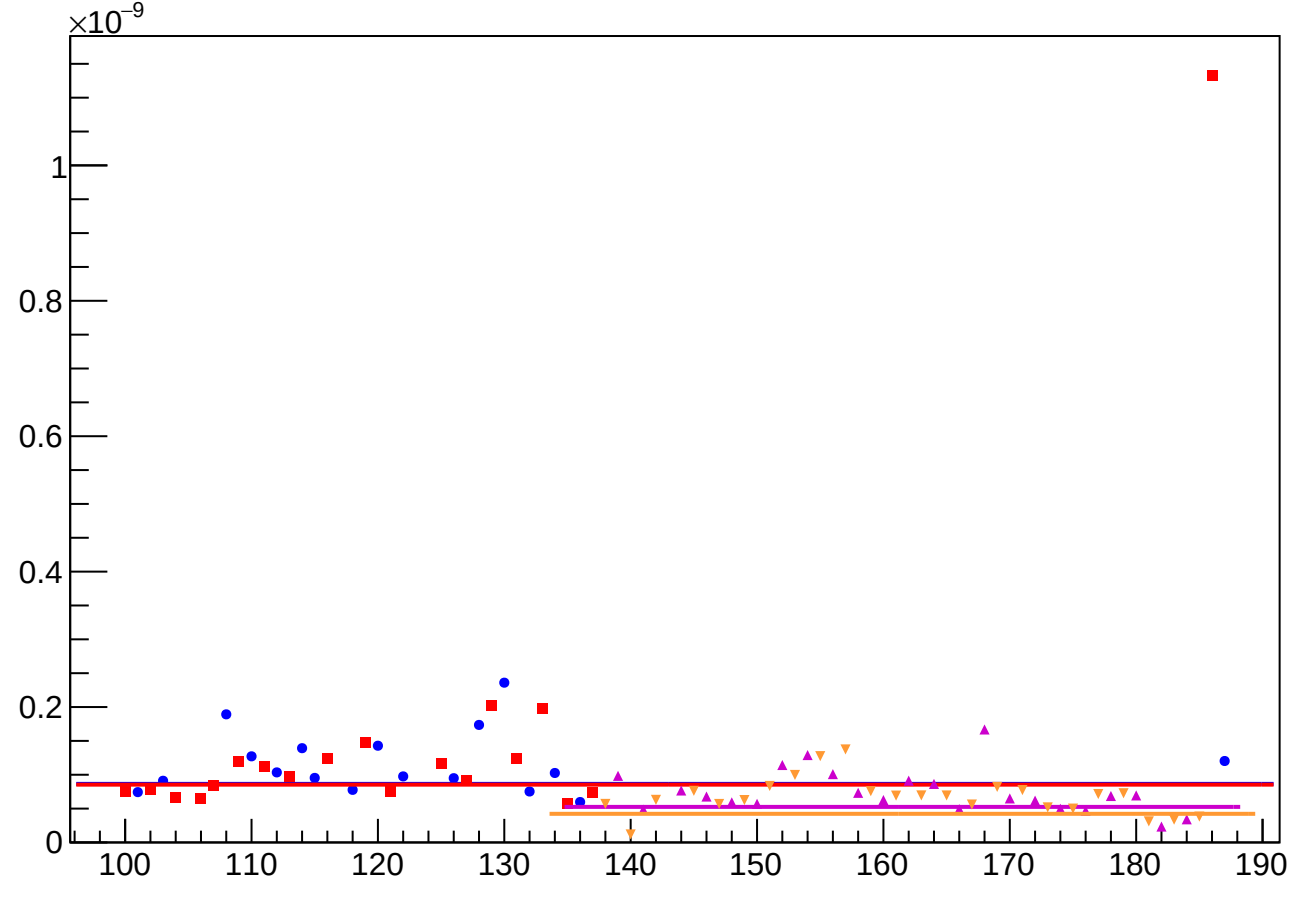
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 33.9/35

In: -0.000+/-0.000 χ^2/NDF:33.8/39

Out: -0.000+/-0.000 χ^2/NDF:42.0/42

All: -0.000+/-0.000 χ^2/NDF: 76.2/82



Right In: 0.000+/-0.000 χ^2/NDF: 1088364.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1415528.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

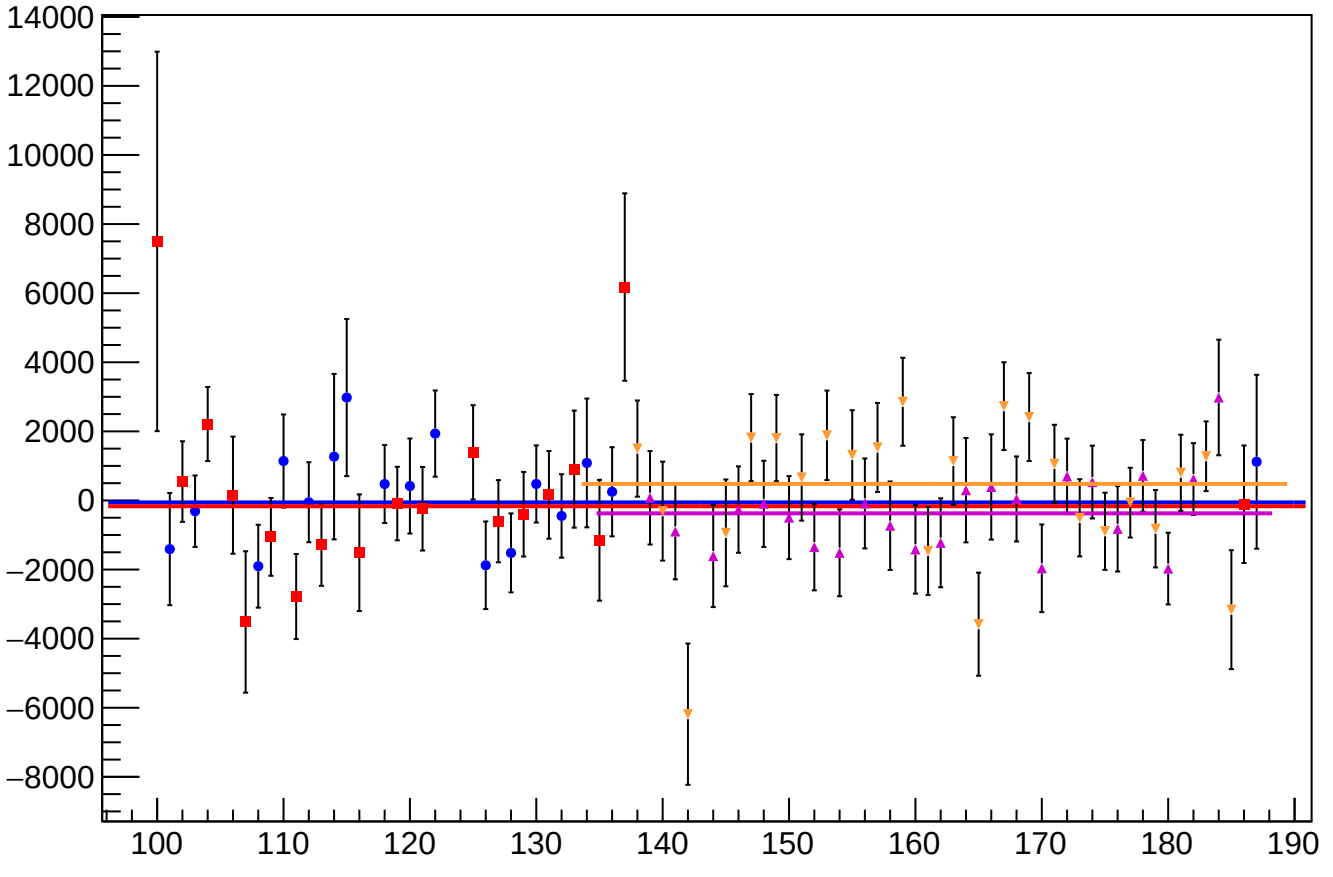
Right: 0.000+/-0.000 χ^2/NDF: 2504604.2/35

In: 0.000+/-0.000 χ^2/NDF:7116715.4/39

Out: 0.000+/-0.000 χ^2/NDF:10003702.2/42

All: 0.000+/-0.000 χ^2/NDF: 17609657.9/82

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -56.177+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -167.280+/-316.215 χ^2/NDF: 24.4/18

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

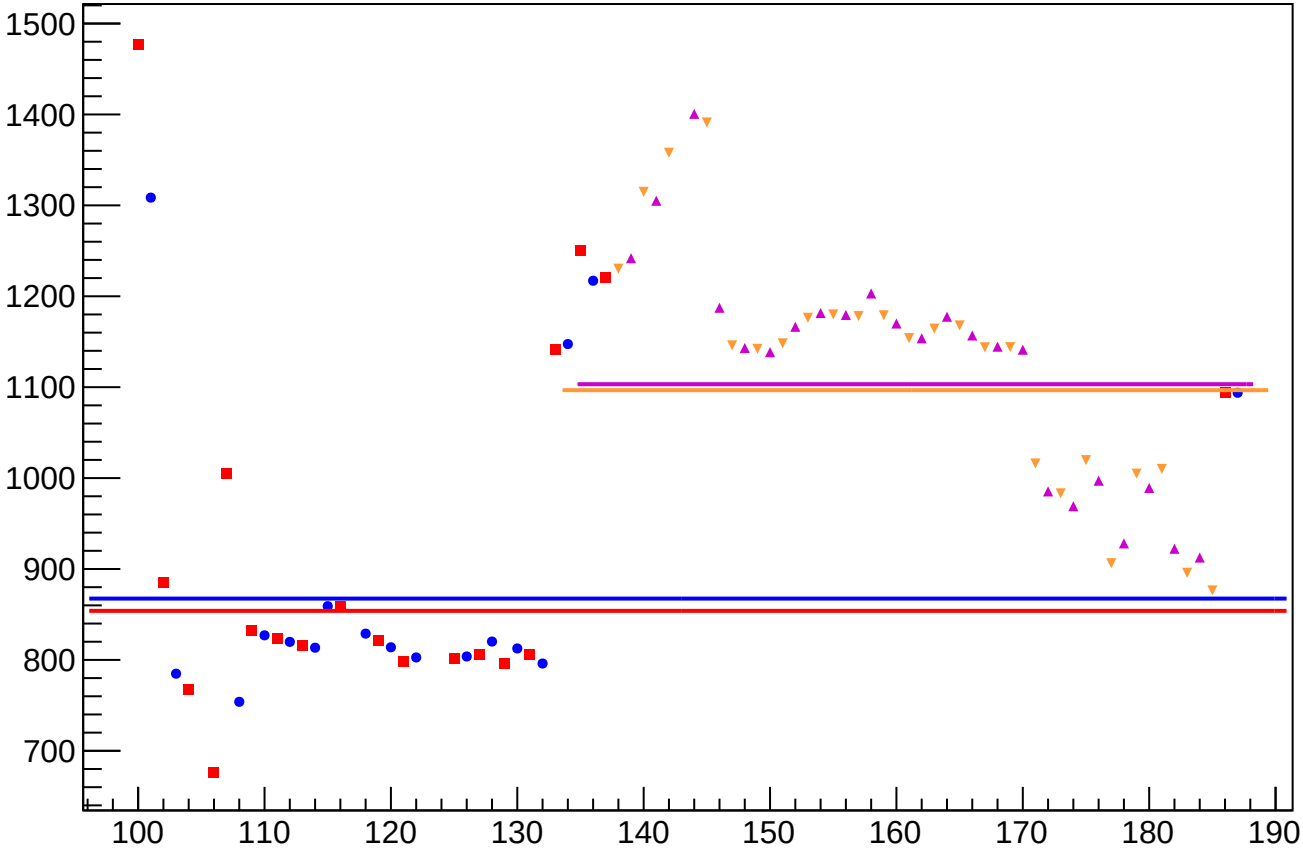
Right: -112.997+/-226.136 χ^2/NDF: 38.0/35

In: -249.027+/-202.338 χ^2/NDF:30.2/39

Out: 223.061+/-199.124 χ^2/NDF:72.1/42

All: -9.204+/-141.925 χ^2/NDF: 105.0/82

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 867.465+/-0.229 χ^2/NDF: 423951.0/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 853.965+/-0.221 χ^2/NDF: 349022.5/18

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

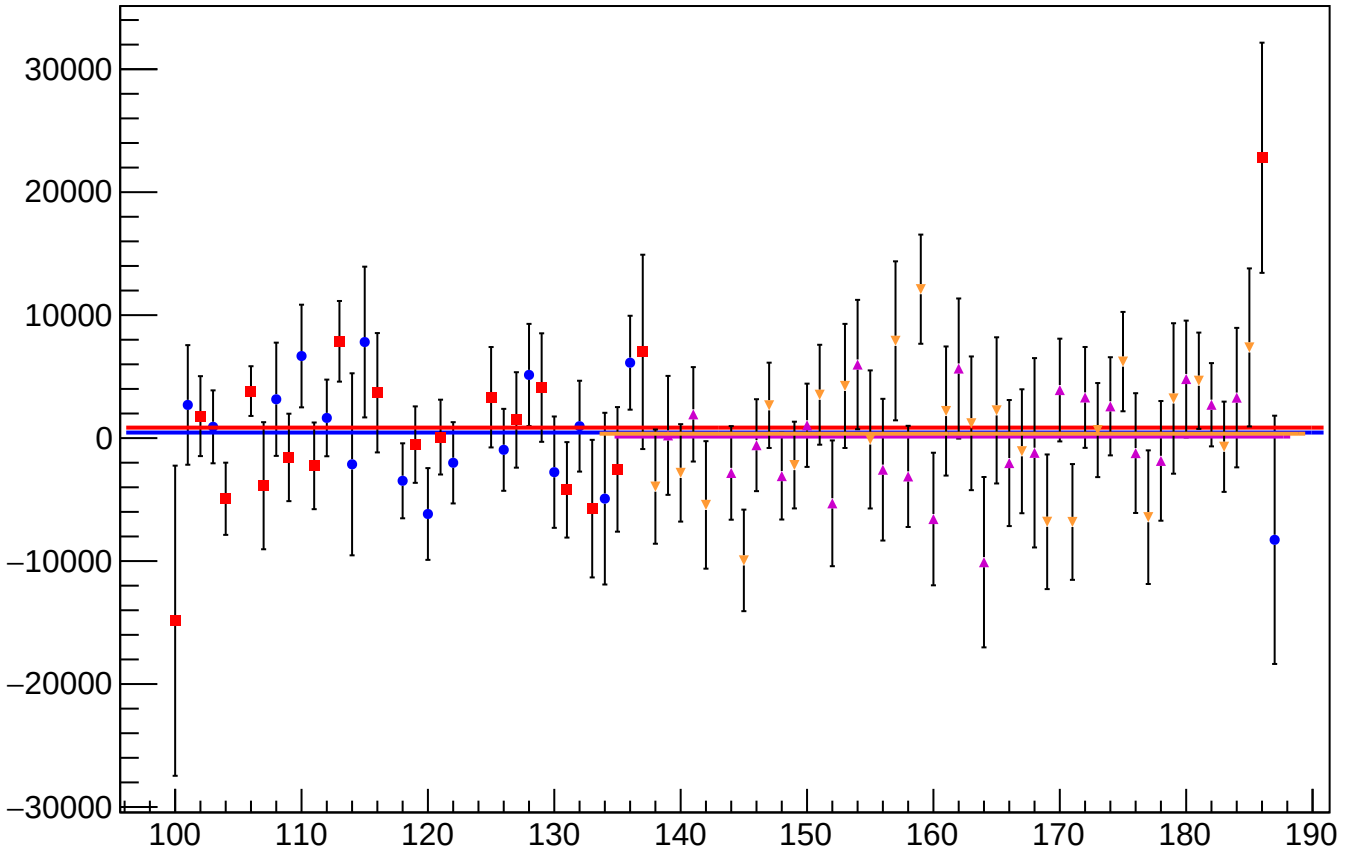
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 860.480+/-0.159 χ^2/NDF: 774775.4/35

In: 1011.039+/-0.143 χ^2/NDF:1518451.5/39

Out: 999.055+/-0.140 χ^2/NDF:1551104.7/42

All: 1004.922+/-0.100 χ^2/NDF: 3073137.3/82



Right In: 452.079+/-976.687 χ^2/NDF: 15.4/16

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 853.279+/-861.300 χ^2/NDF: 25.5/18

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

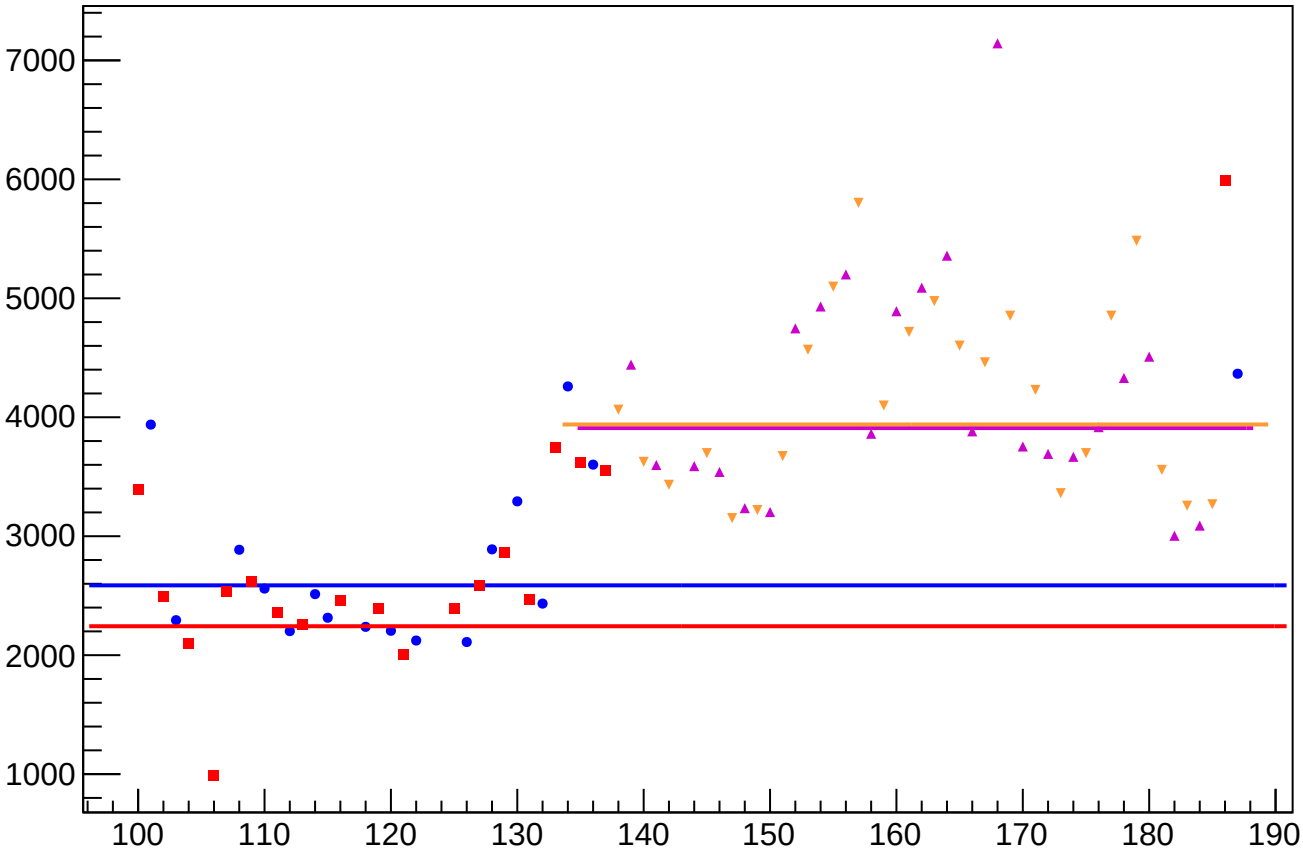
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 677.767+/-645.994 χ^2/NDF: 41.0/35

In: 281.886+/-674.512 χ^2/NDF:29.2/39

Out: 625.596+/-633.243 χ^2/NDF:55.9/42

All: 464.577+/-461.671 χ^2/NDF: 85.3/82



Right In: 2586.943+/-0.691 χ^2/NDF: 725171.2/16

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2243.285+/-0.609 χ^2/NDF: 1587680.8/18

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

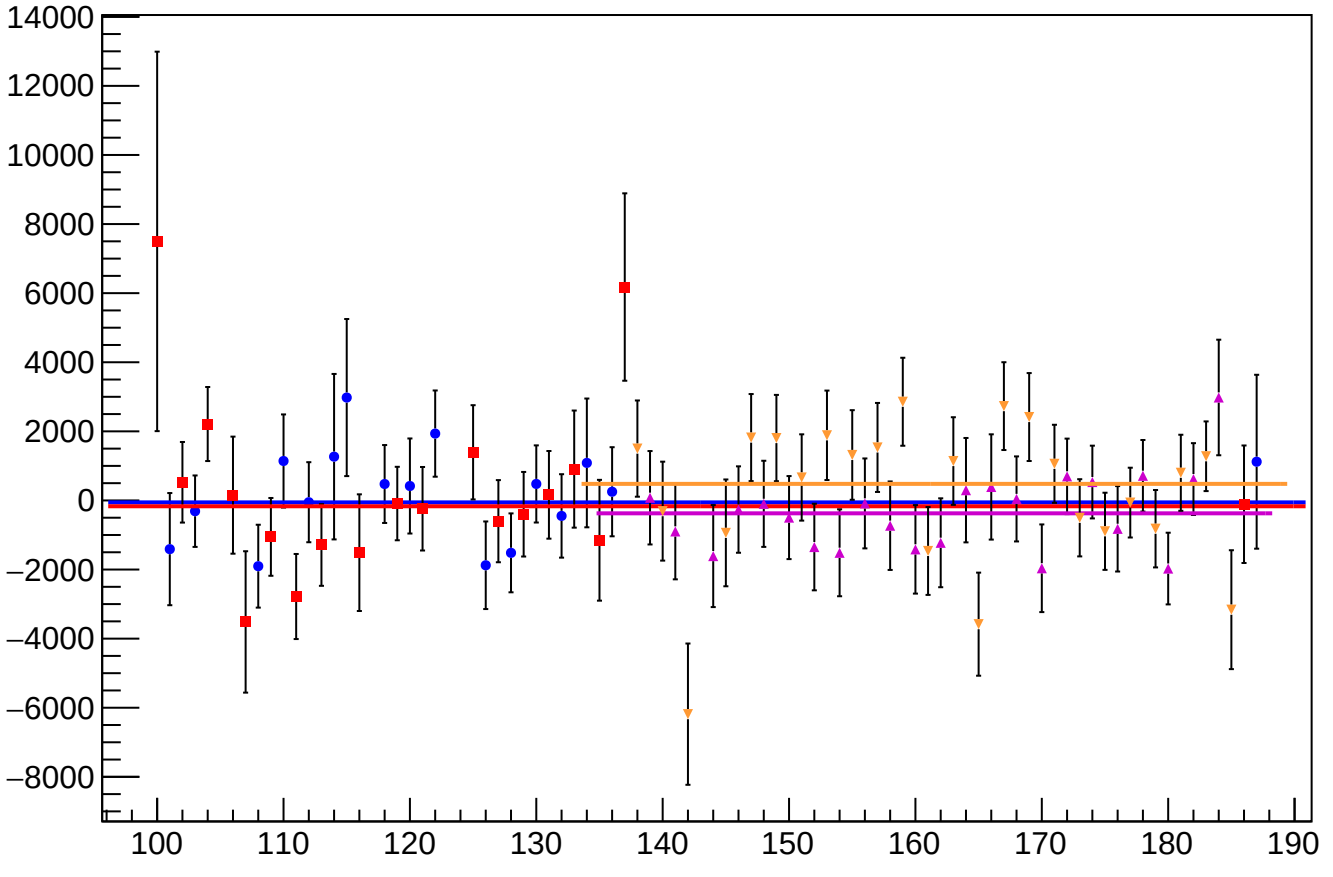
Right: 2393.624+/-0.457 χ^2/NDF: 2452142.2/35

In: 3278.520+/-0.477 χ^2/NDF:3943084.6/39

Out: 3022.509+/-0.448 χ^2/NDF:6243244.7/42

All: 3142.444+/-0.326 χ^2/NDF: 10339470.5/8

cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -56.253+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -168.863+/-316.220 χ^2/NDF: 24.4/18

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

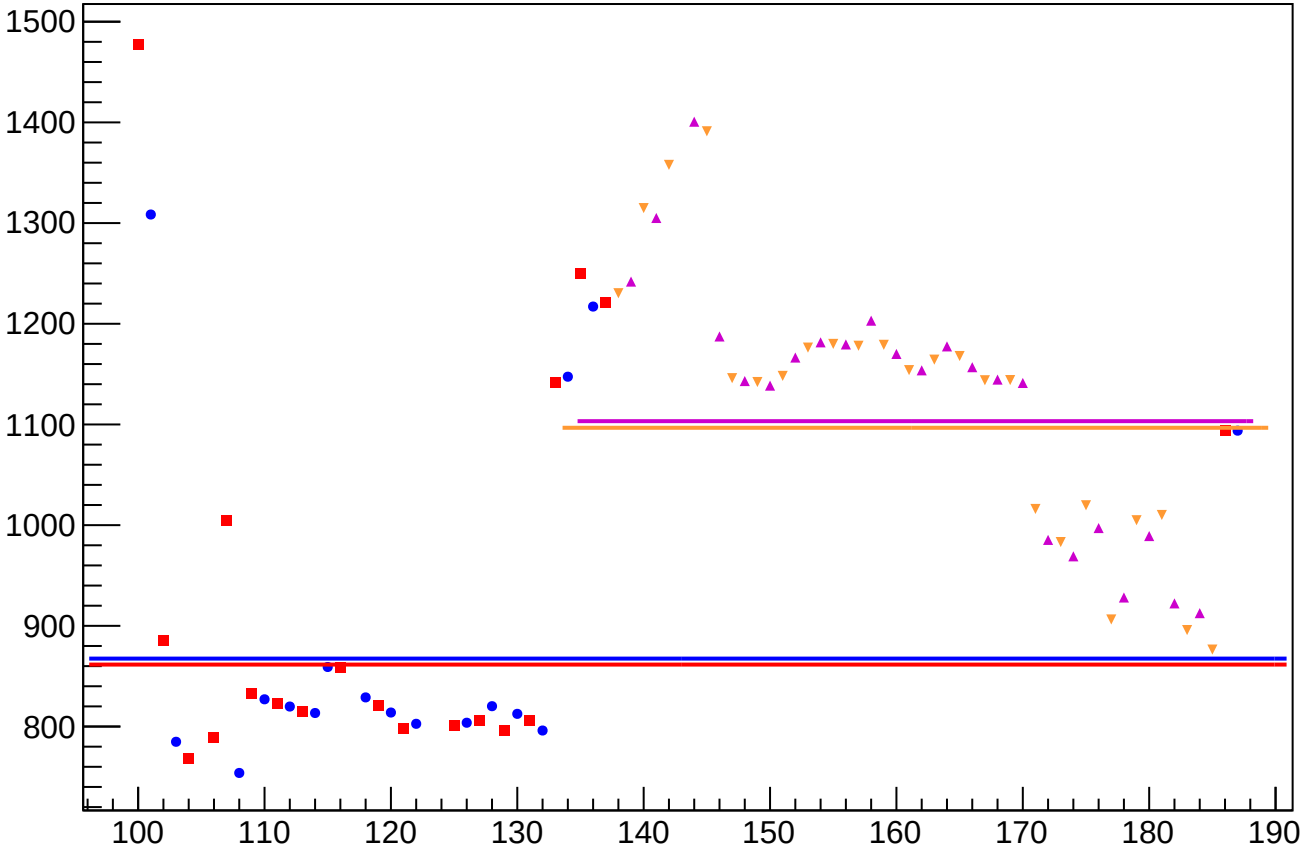
Right: -113.843+/-226.138 χ^2/NDF: 38.0/35

In: -249.041+/-202.338 χ^2/NDF:30.2/39

Out: 222.455+/-199.125 χ^2/NDF:72.1/42

All: -9.520+/-141.925 χ^2/NDF: 105.0/82

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 867.465+/-0.229 χ^2/NDF: 423950.7/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 861.530+/-0.222 χ^2/NDF: 314065.5/18

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

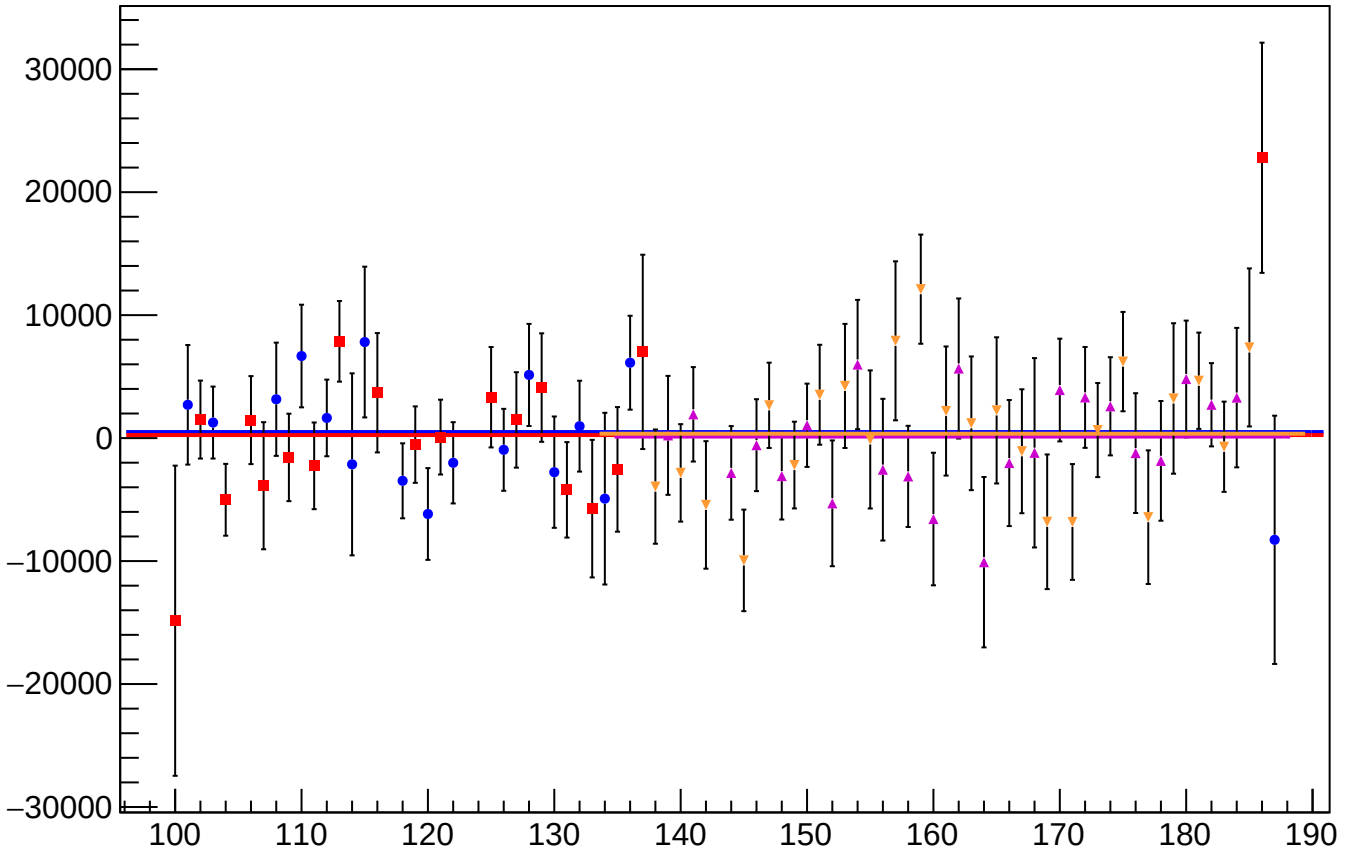
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 864.415+/-0.159 χ^2/NDF: 738362.1/35

In: 1011.039+/-0.143 χ^2/NDF:1518451.6/39

Out: 1002.892+/-0.141 χ^2/NDF:1466190.1/42

All: 1006.892+/-0.100 χ^2/NDF: 2986292.2/82



Right In: 492.400+/-975.273 χ^2/NDF: 15.5/16

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 247.461+/-917.673 χ^2/NDF: 23.1/18

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

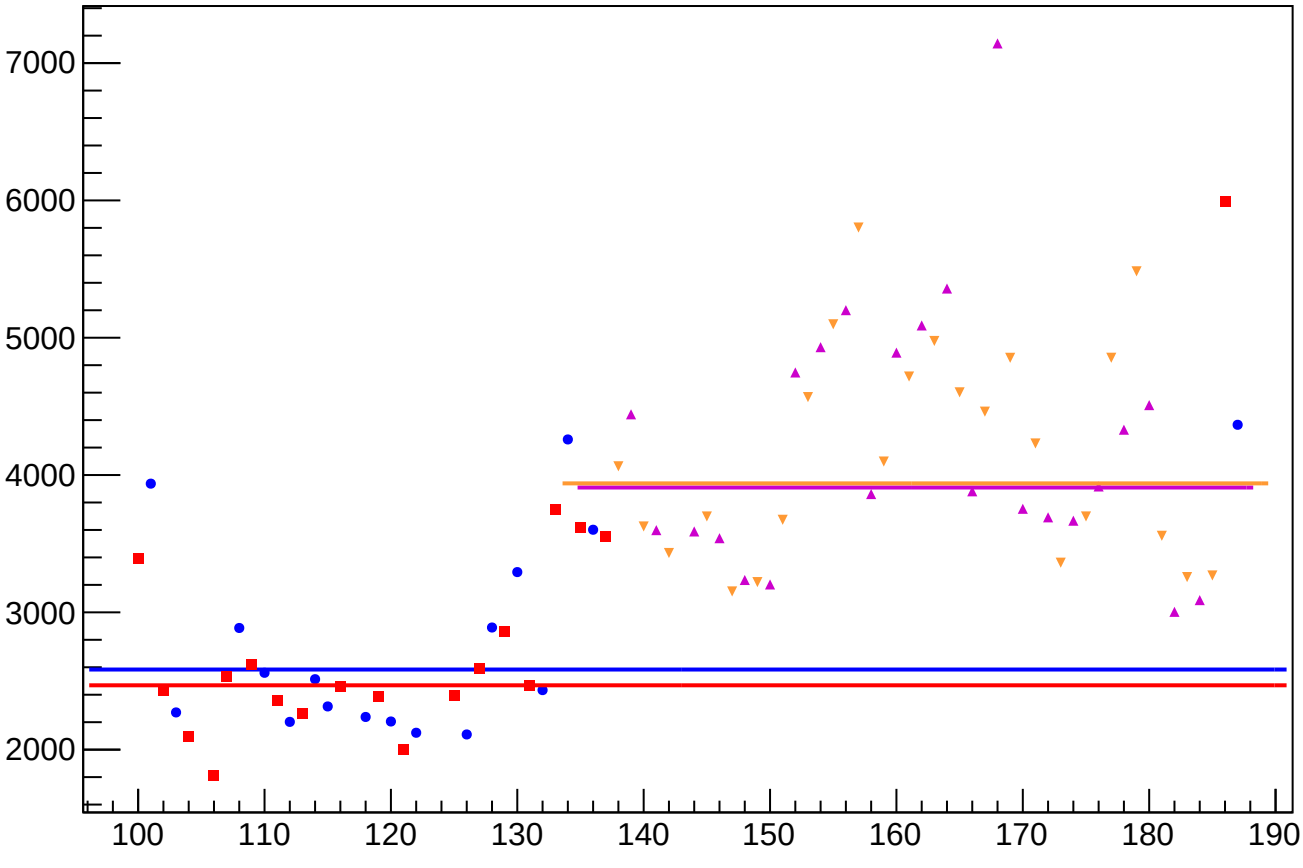
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 362.484+/-668.328 χ^2/NDF: 38.6/35

In: 301.349+/-674.046 χ^2/NDF:29.3/39

Out: 301.609+/-654.665 χ^2/NDF:53.3/42

All: 301.483+/-469.620 χ^2/NDF: 82.6/82



Right In: 2583.524+/-0.690 χ^2/NDF: 728805.2/16

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2468.628+/-0.649 χ^2/NDF: 720270.8/18

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

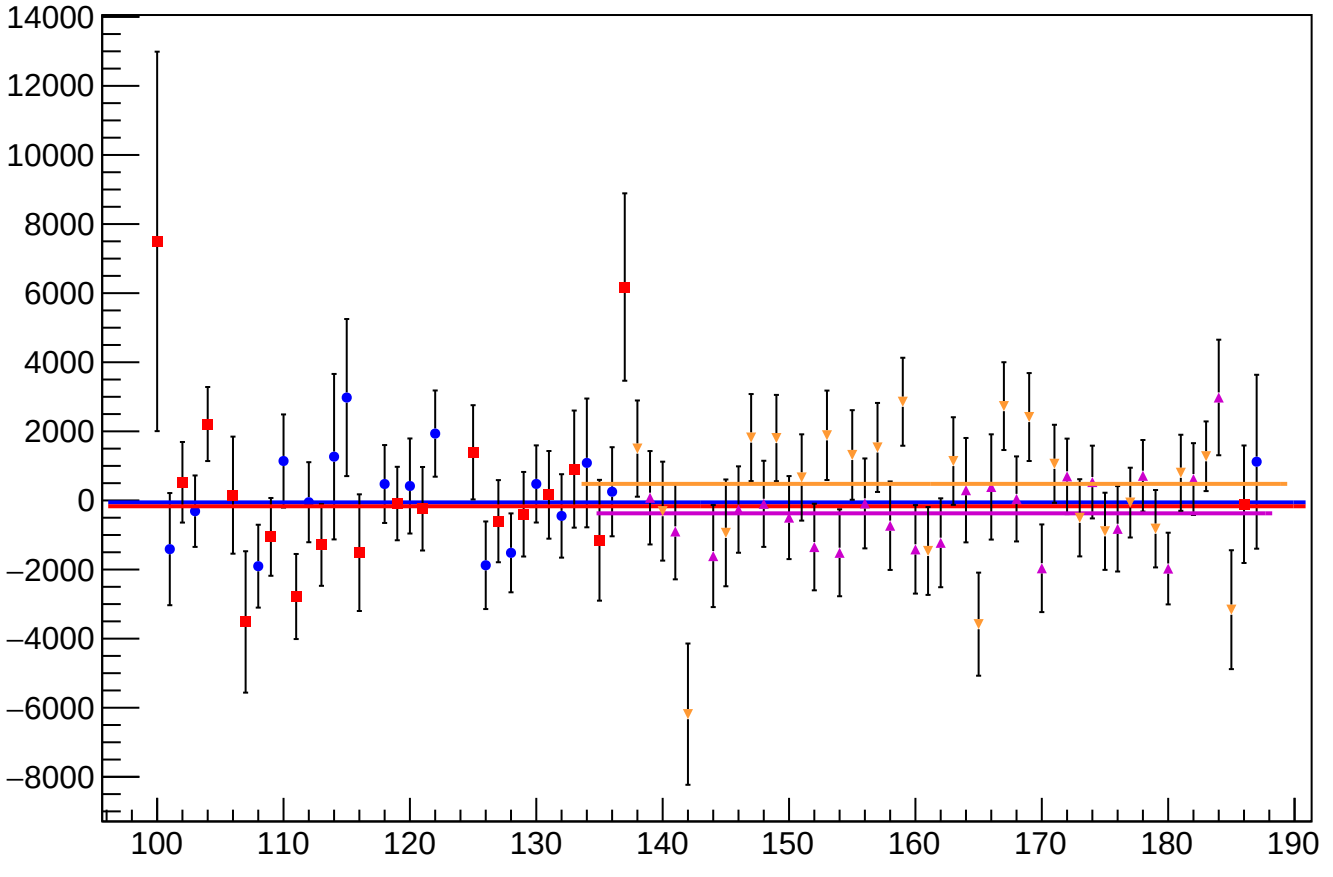
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2522.583+/-0.473 χ^2/NDF: 1463798.6/35

In: 3275.929+/-0.477 χ^2/NDF:3959562.7/39

Out: 3190.807+/-0.463 χ^2/NDF:4335272.7/42

All: 3232.126+/-0.332 χ^2/NDF: 8311248.8/82



Right In: -56.253+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -168.863+/-316.220 χ^2/NDF: 24.4/18

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

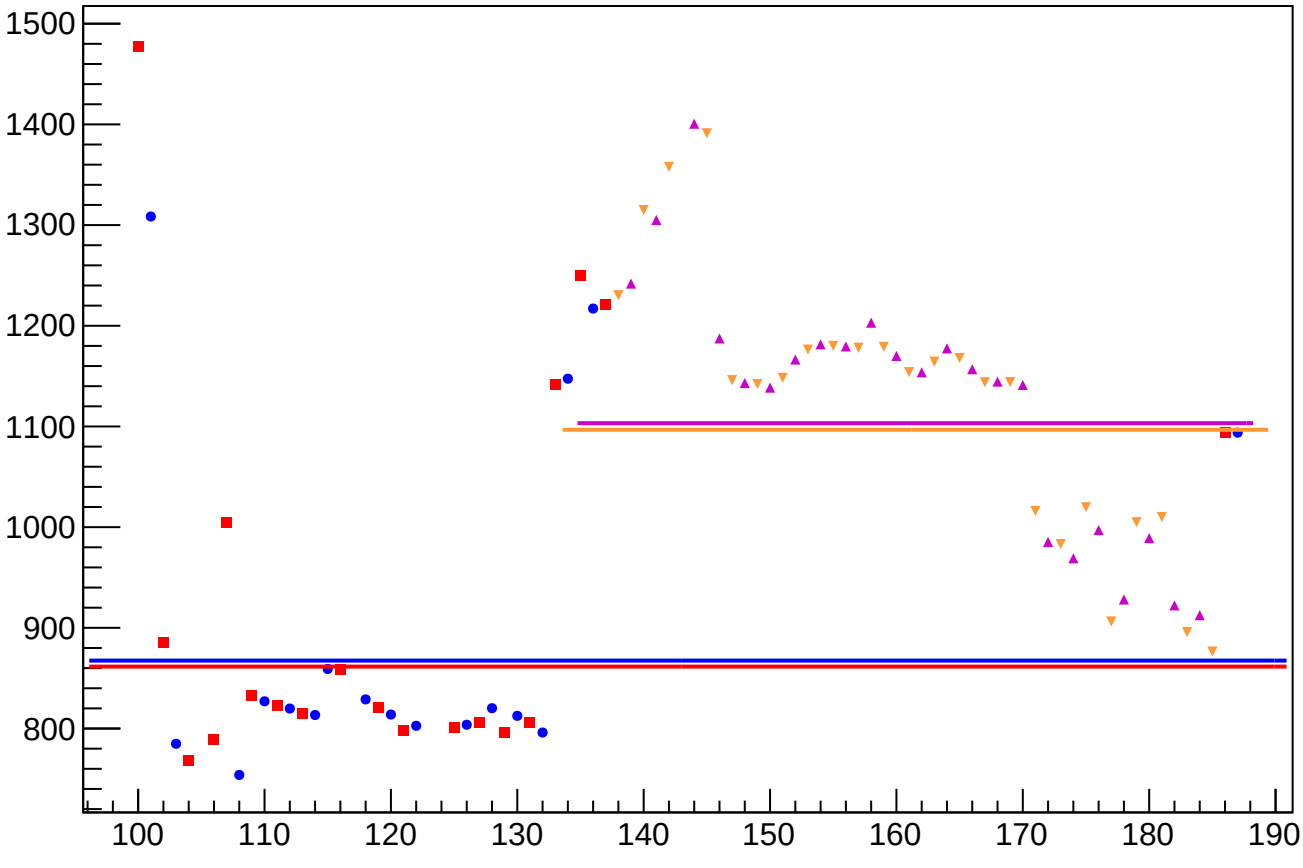
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -113.843+/-226.138 χ^2/NDF: 38.0/35

In: -249.041+/-202.338 χ^2/NDF:30.2/39

Out: 222.455+/-199.125 χ^2/NDF:72.1/42

All: -9.520+/-141.925 χ^2/NDF: 105.0/82



Right In: 867.465+/-0.229 χ^2/NDF: 423950.7/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 861.530+/-0.222 χ^2/NDF: 314065.5/18

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

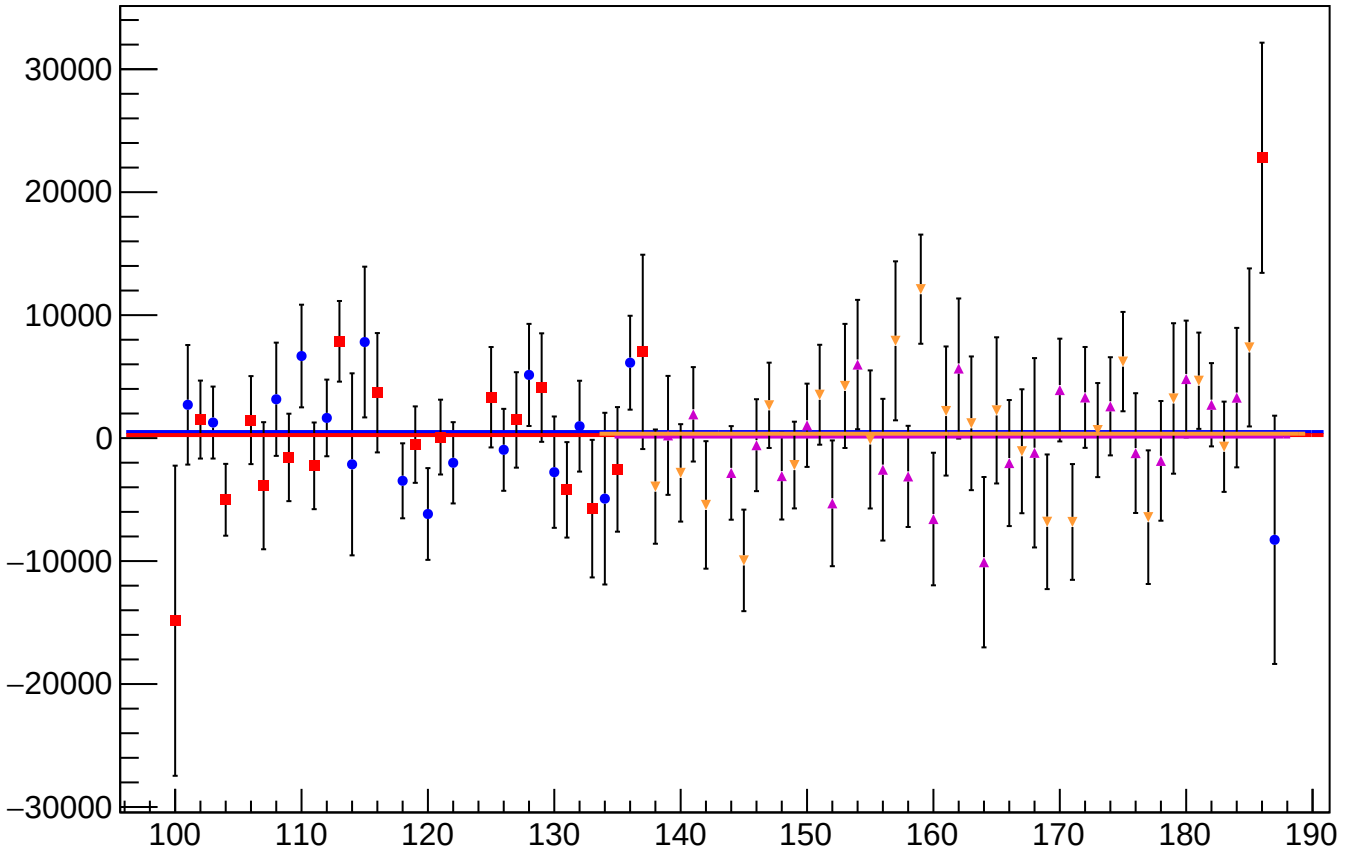
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 864.415+/-0.159 χ^2/NDF: 738362.1/35

In: 1011.039+/-0.143 χ^2/NDF:1518451.6/39

Out: 1002.892+/-0.141 χ^2/NDF:1466190.1/42

All: 1006.892+/-0.100 χ^2/NDF: 2986292.2/82



Right In: 492.400+/-975.273 χ^2/NDF: 15.5/16

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 247.461+/-917.673 χ^2/NDF: 23.1/18

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

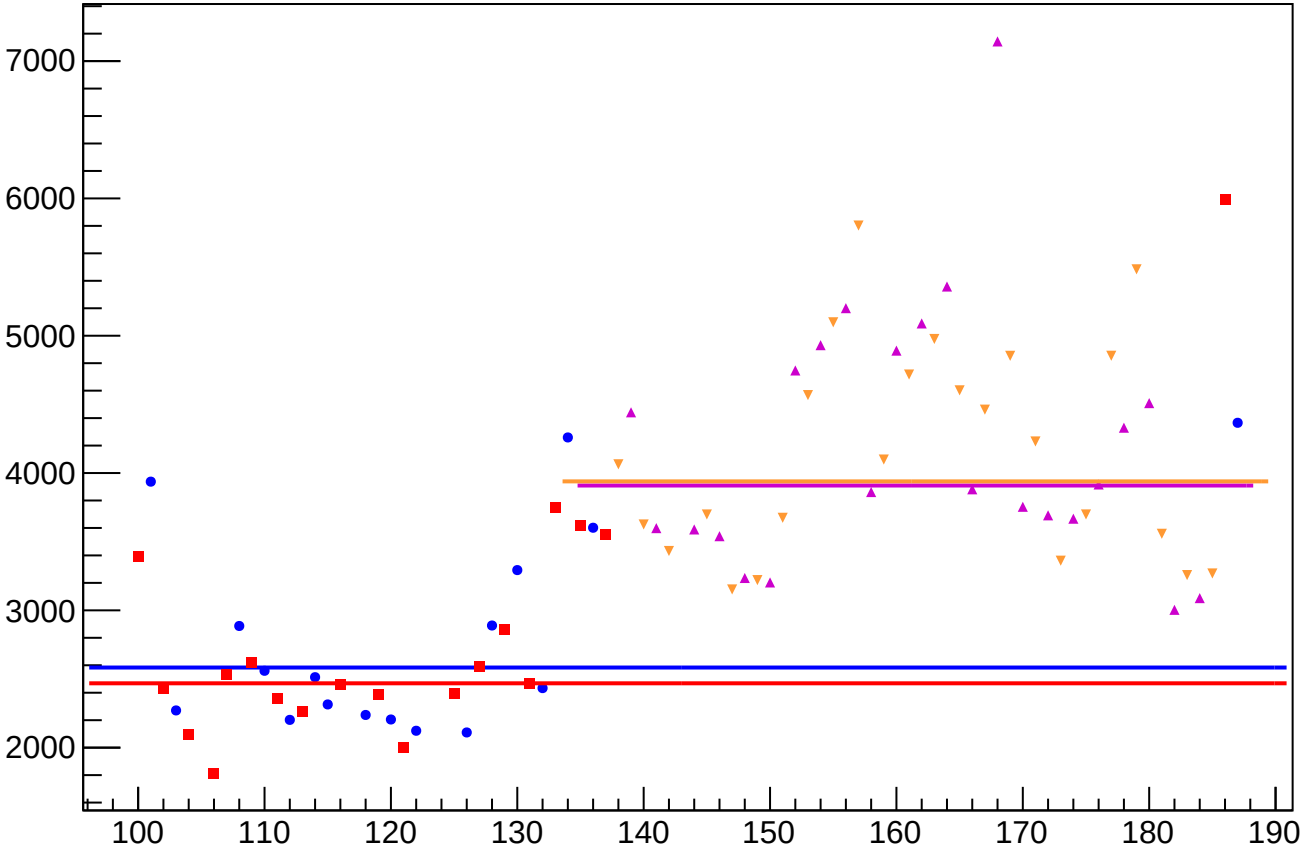
Right: 362.484+/-668.328 χ^2/NDF: 38.6/35

In: 301.349+/-674.046 χ^2/NDF:29.3/39

Out: 301.609+/-654.665 χ^2/NDF:53.3/42

All: 301.483+/-469.620 χ^2/NDF: 82.6/82

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2583.524+/-0.690 χ^2/NDF: 728805.2/16

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2468.628+/-0.649 χ^2/NDF: 720270.8/18

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

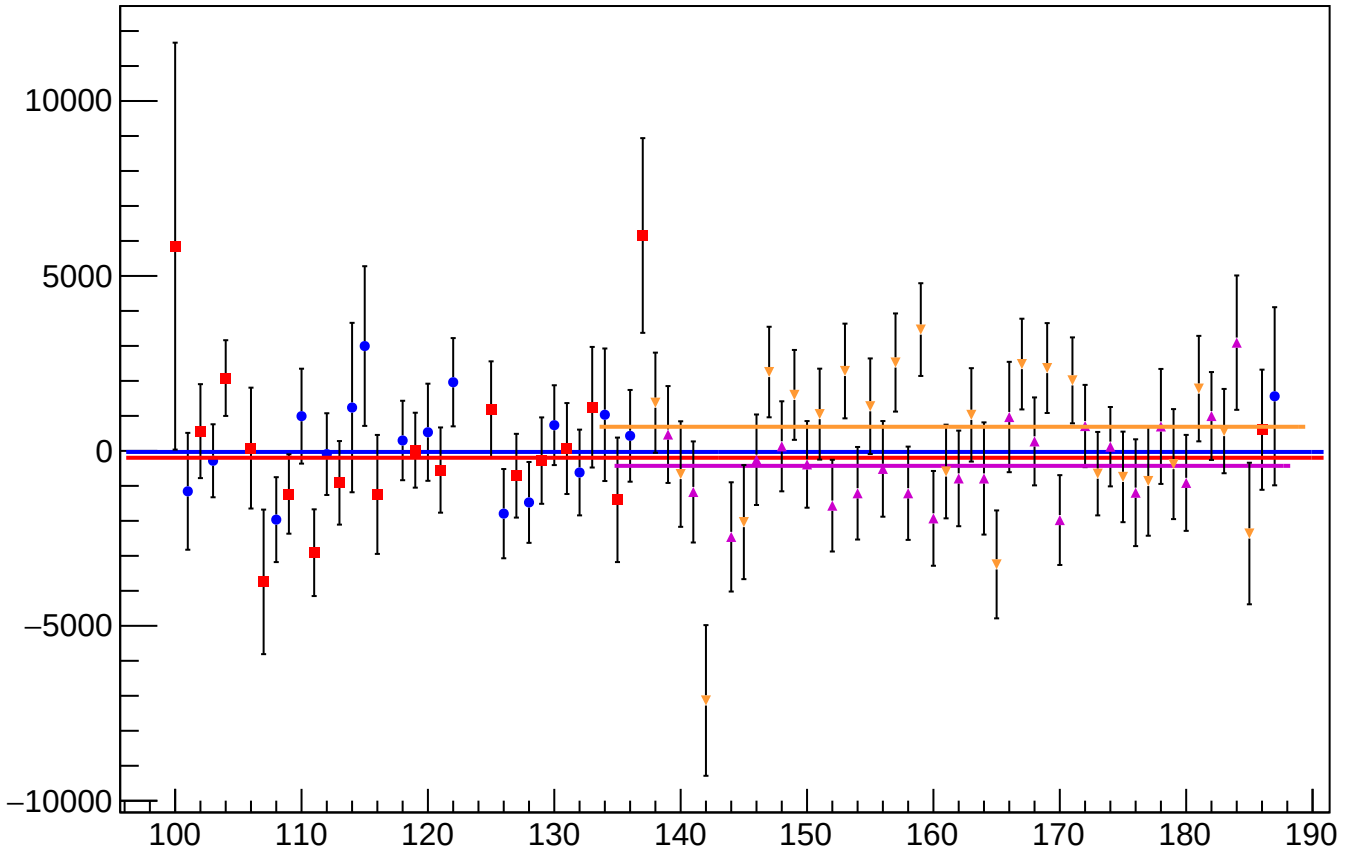
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2522.583+/-0.473 χ^2/NDF: 1463798.6/35

In: 3275.929+/-0.477 χ^2/NDF:3959562.7/39

Out: 3190.807+/-0.463 χ^2/NDF:4335272.7/42

All: 3232.126+/-0.332 χ^2/NDF: 8311248.8/82



Right In: -30.444+/-327.347 χ^2/NDF: 13.4/16

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -196.821+/-322.239 χ^2/NDF: 23.1/18

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

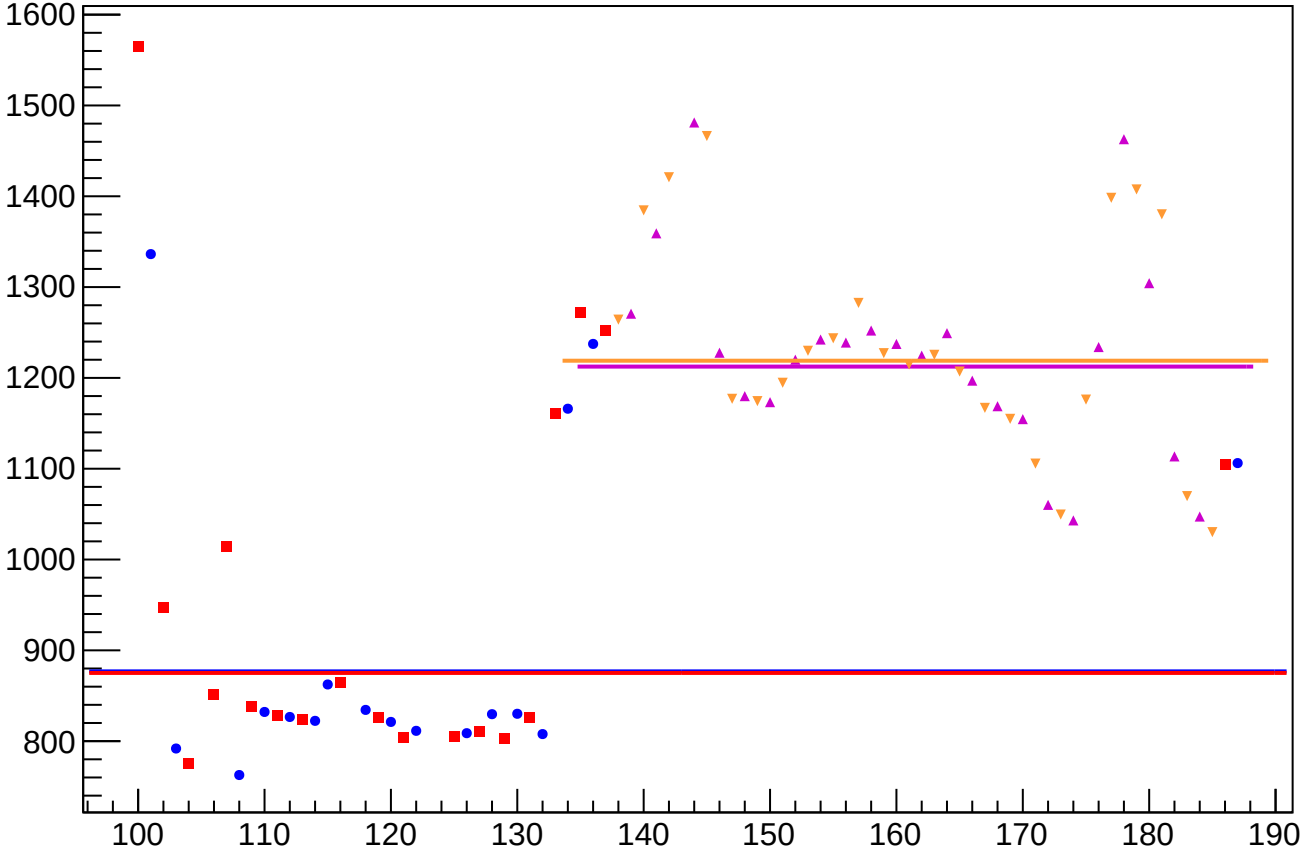
Right: -114.941+/-229.642 χ^2/NDF: 36.7/35

In: -257.037+/-214.684 χ^2/NDF:28.8/39

Out: 301.196+/-213.225 χ^2/NDF:73.1/42

All: 23.982+/-151.286 χ^2/NDF: 105.4/82

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 876.828+/-0.231 χ^2/NDF: 433611.5/16

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 875.130+/-0.228 χ^2/NDF: 327383.7/18

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

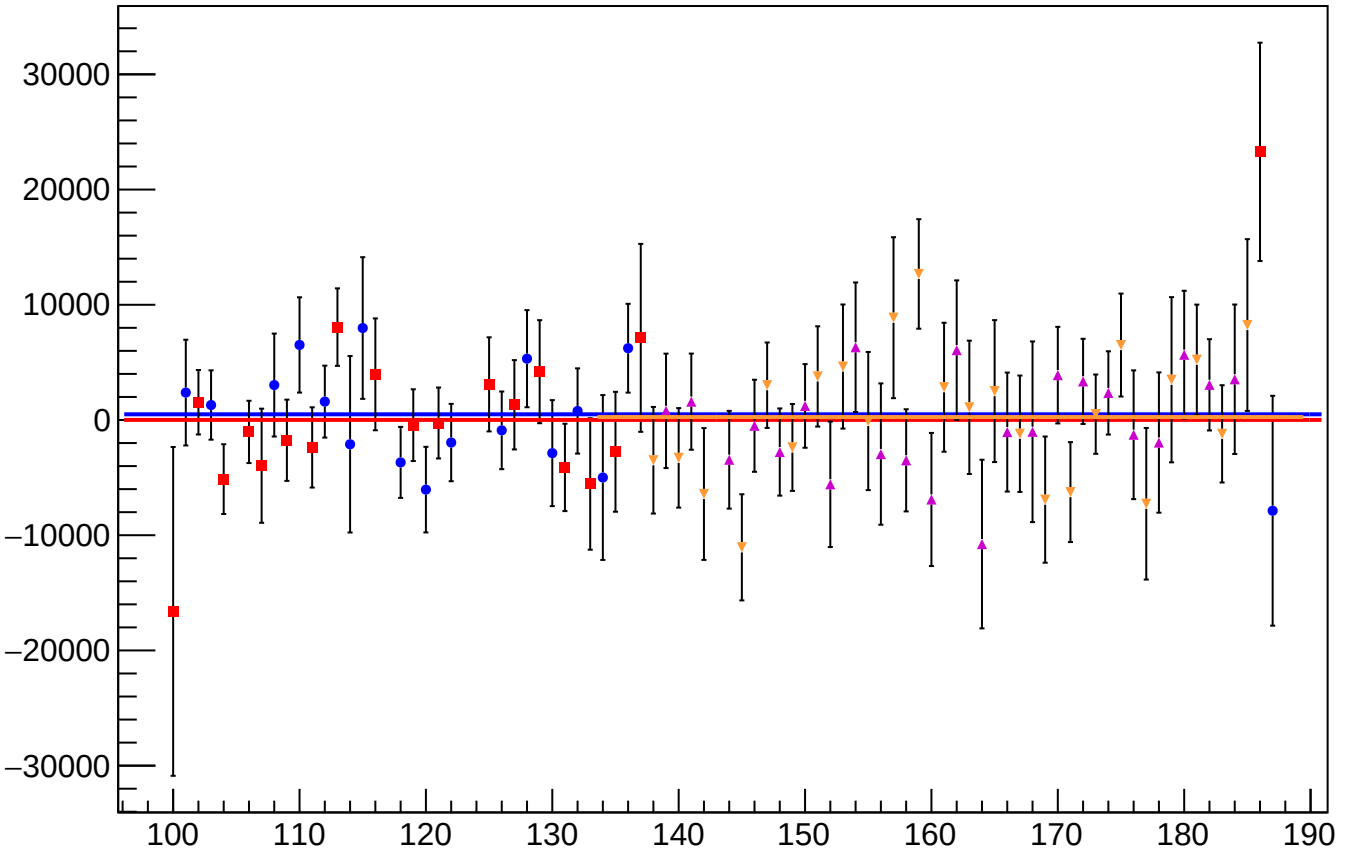
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 875.965+/-0.162 χ^2/NDF: 761022.5/35

In: 1068.094+/-0.152 χ^2/NDF:1892038.6/39

Out: 1068.236+/-0.151 χ^2/NDF:1902412.4/42

All: 1068.165+/-0.107 χ^2/NDF: 3794451.4/82



Right In: 493.673+/-980.121 χ^2/NDF: 15.4/16

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 9.182+/-890.167 χ^2/NDF: 23.3/18

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

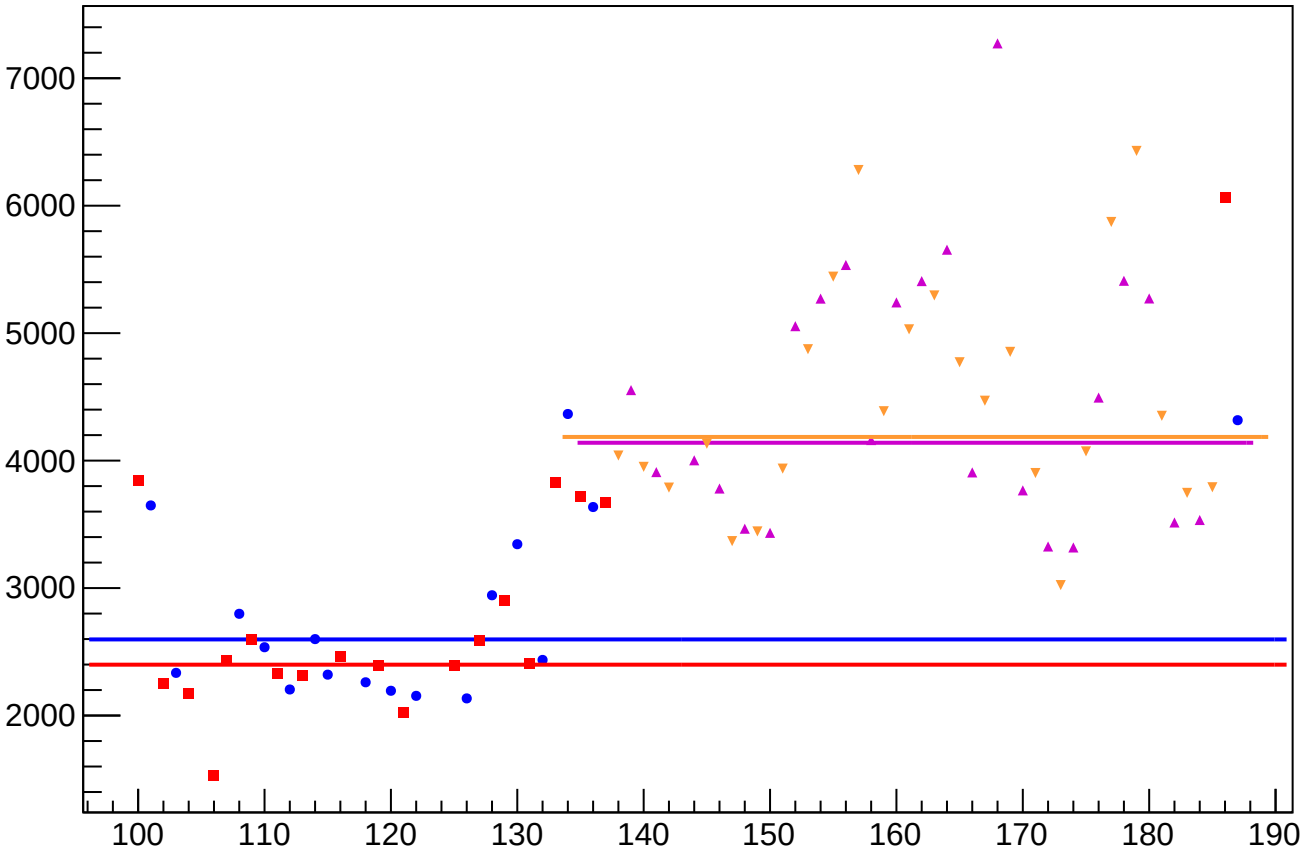
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 228.179+/-658.955 χ^2/NDF: 38.8/35

In: 381.104+/-696.546 χ^2/NDF:28.9/39

Out: 117.469+/-663.465 χ^2/NDF:53.0/42

All: 242.878+/-480.410 χ^2/NDF: 81.9/82



Right In: 2597.147+/-0.693 χ^2/NDF: 677211.5/16

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2399.045+/-0.629 χ^2/NDF: 913568.2/18

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

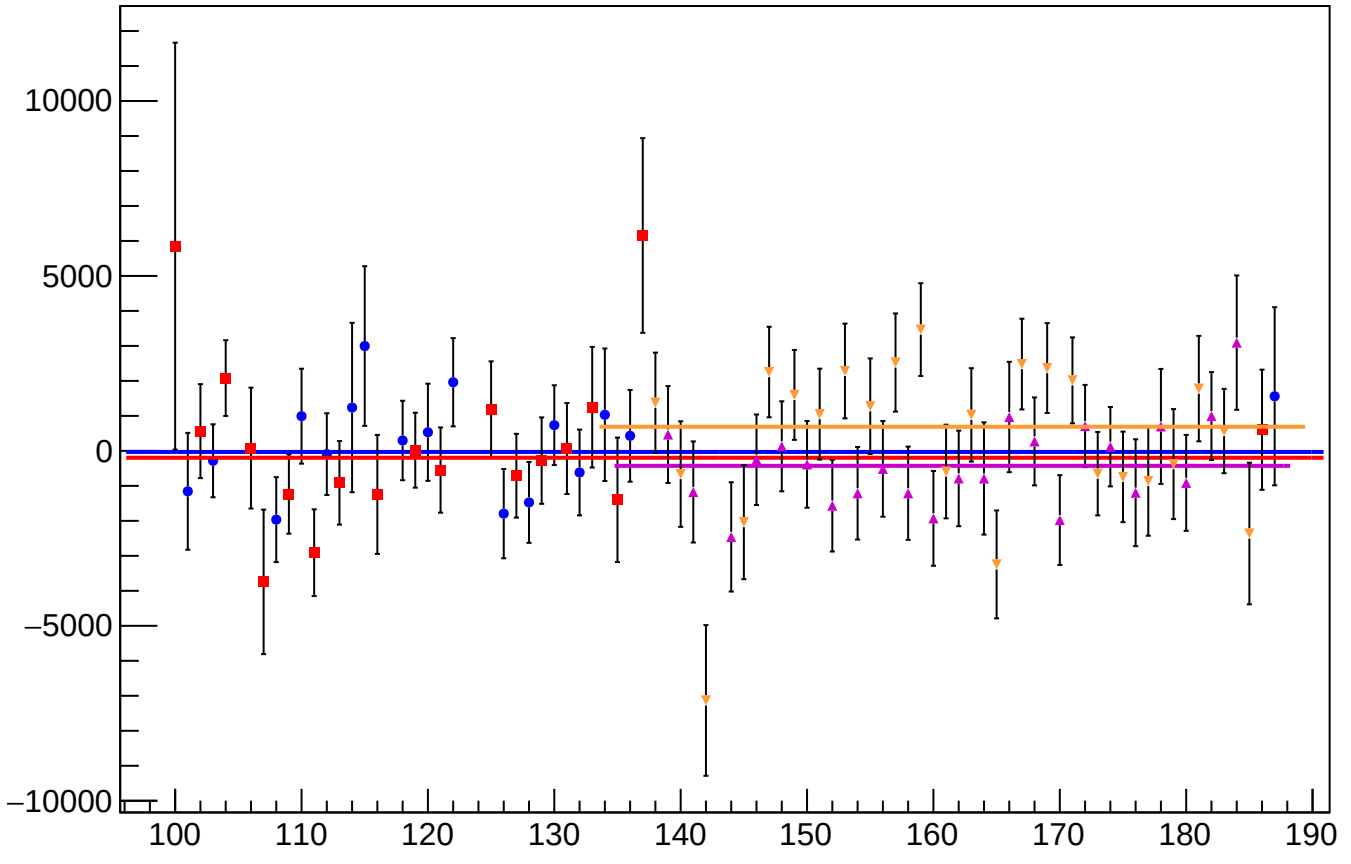
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2488.590+/-0.466 χ^2/NDF: 1635552.9/35

In: 3360.799+/-0.493 χ^2/NDF:4580172.7/39

Out: 3193.172+/-0.469 χ^2/NDF:5765836.3/42

All: 3272.910+/-0.340 χ^2/NDF: 10406739.1/8



Right In: -30.448+/-327.347 χ^2/NDF: 13.4/16

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -196.827+/-322.239 χ^2/NDF: 23.1/18

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

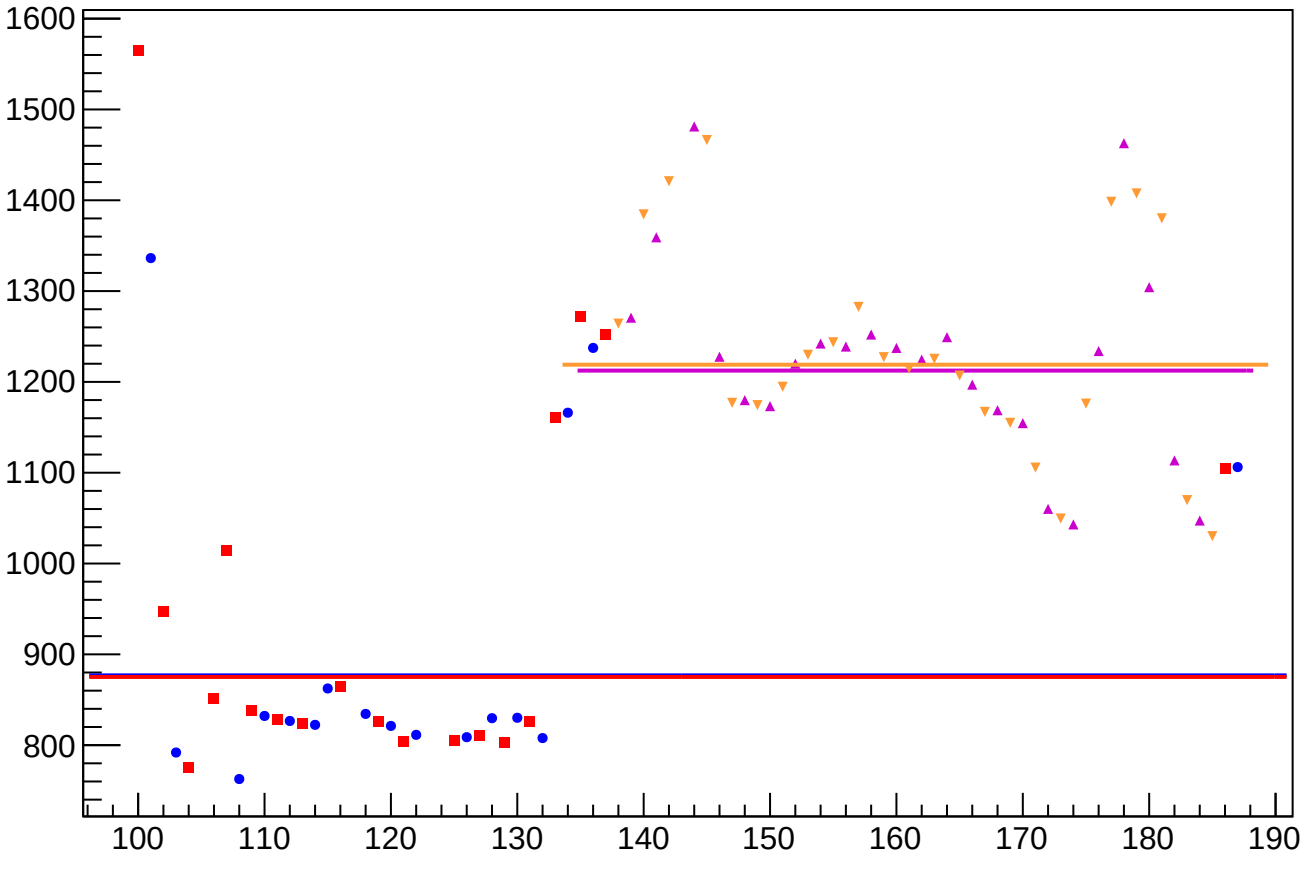
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -114.945+/-229.642 χ^2/NDF: 36.7/35

In: -257.037+/-214.684 χ^2/NDF:28.8/39

Out: 301.194+/-213.226 χ^2/NDF:73.1/42

All: 23.981+/-151.286 χ^2/NDF: 105.4/82



Right In: 876.829+/-0.231 χ^2/NDF: 433611.3/16

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 875.130+/-0.228 χ^2/NDF: 327383.3/18

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

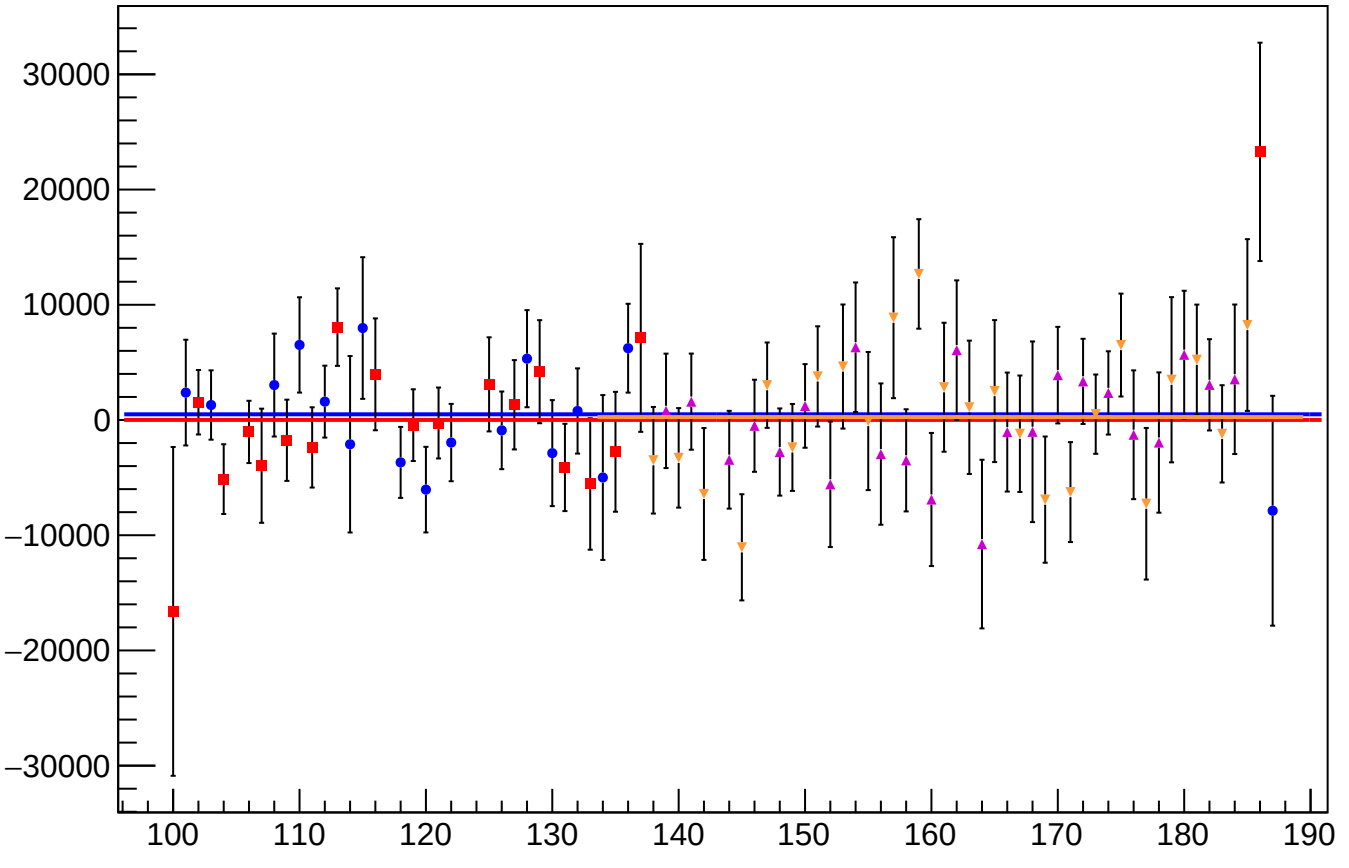
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 875.965+/-0.162 χ^2/NDF: 761022.0/35

In: 1068.094+/-0.152 χ^2/NDF:1892054.4/39

Out: 1068.236+/-0.151 χ^2/NDF:1902429.6/42

All: 1068.166+/-0.107 χ^2/NDF: 3794484.5/82



Right In: 493.669+/-980.119 χ^2/NDF: 15.4/16

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 9.180+/-890.165 χ^2/NDF: 23.3/18

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

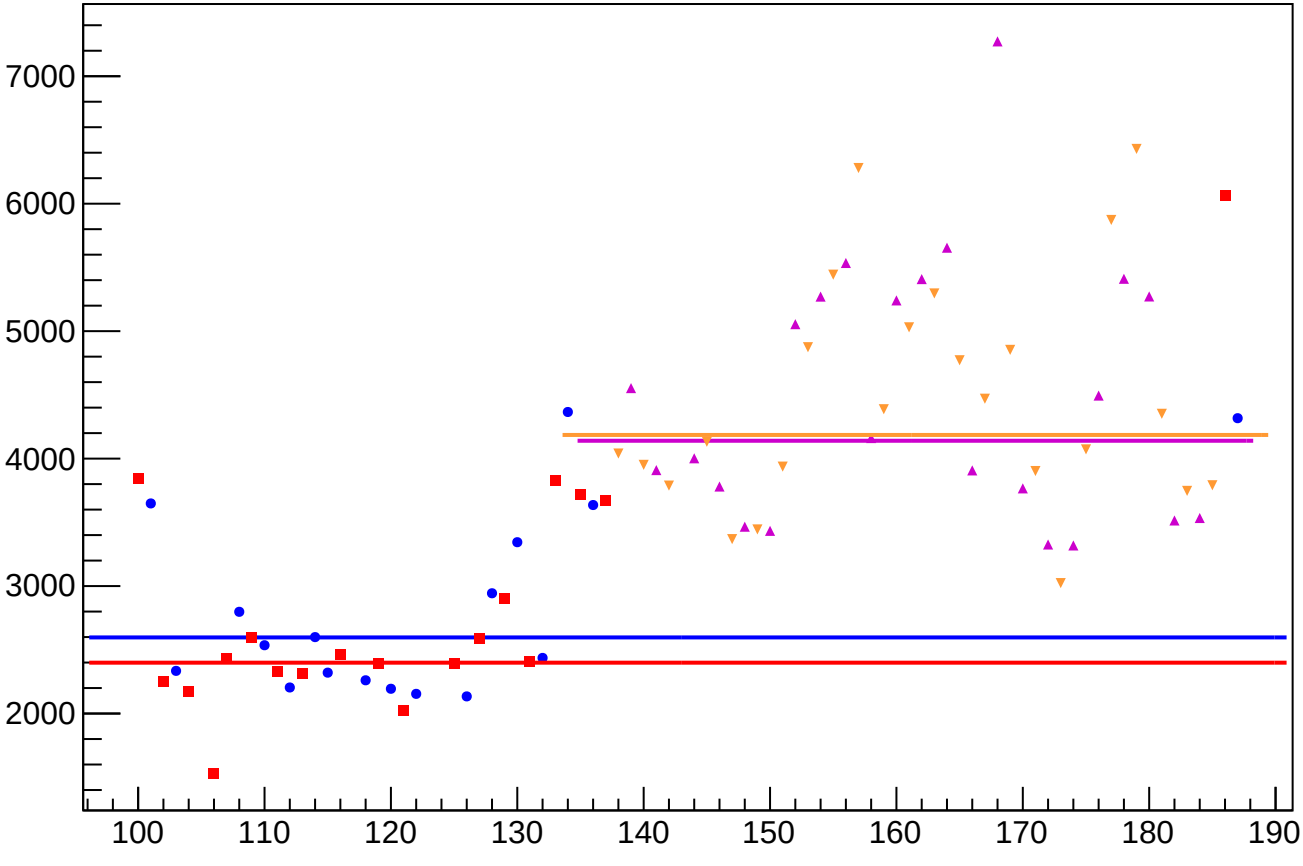
Right: 228.176+/-658.954 χ^2/NDF: 38.8/35

In: 381.102+/-696.545 χ^2/NDF:28.9/39

Out: 117.468+/-663.465 χ^2/NDF:53.0/42

All: 242.876+/-480.410 χ^2/NDF: 81.9/82

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2597.139+/-0.693 χ^2/NDF: 677219.7/16

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2399.038+/-0.629 χ^2/NDF: 913572.9/18

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

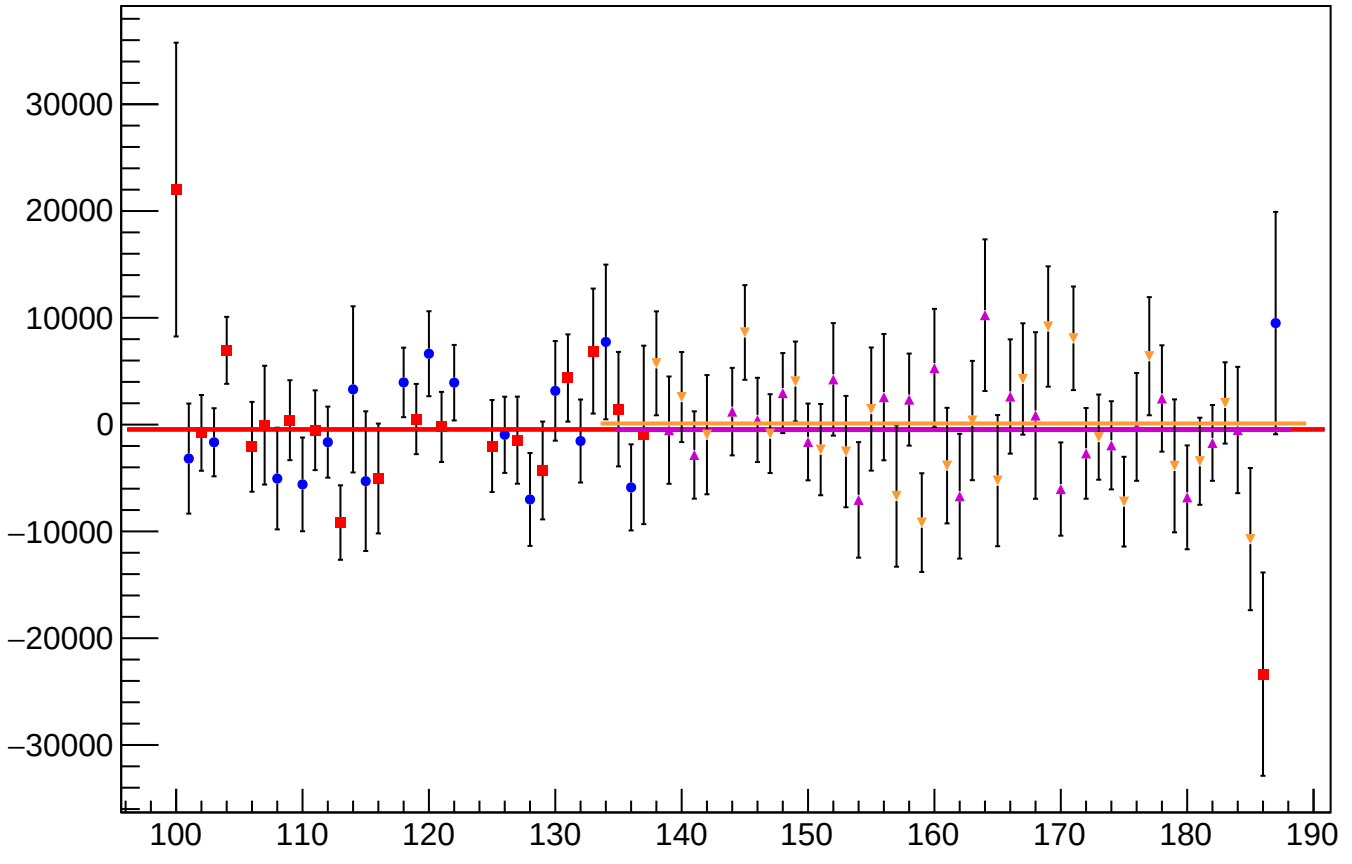
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2488.583+/-0.466 χ^2/NDF: 1635565.4/35

In: 3360.794+/-0.493 χ^2/NDF:4580234.6/39

Out: 3193.168+/-0.469 χ^2/NDF:5765901.3/42

All: 3272.906+/-0.340 χ^2/NDF: 10406866.1/8



Right In: -466.541+/-1035.160 χ^2/NDF: 17.2/16

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -425.893+/-983.107 χ^2/NDF: 25.4/18

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

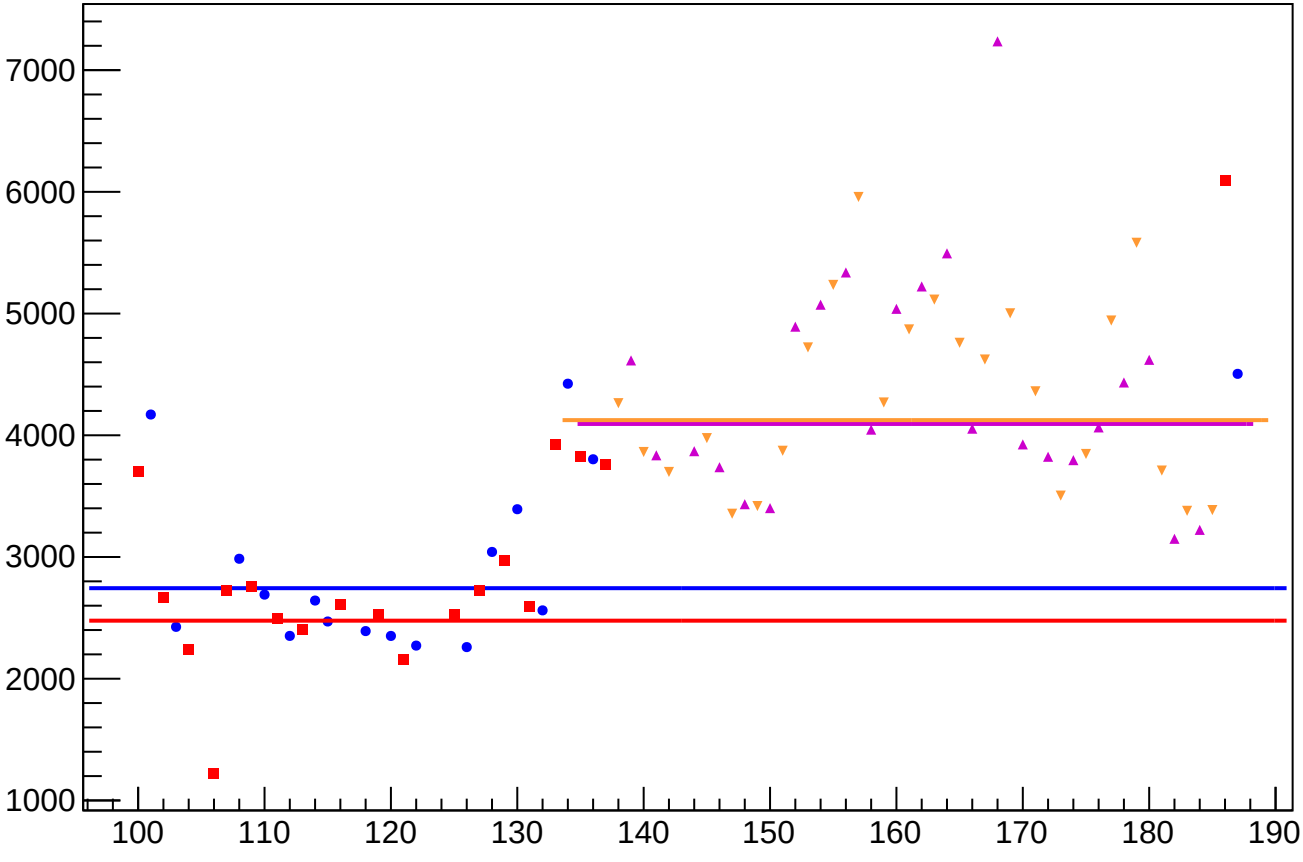
Right: -445.169+/-712.854 χ^2/NDF: 42.5/35

In: -489.071+/-709.425 χ^2/NDF:30.7/39

Out: -156.413+/-692.492 χ^2/NDF:53.6/42

All: -318.724+/-495.544 χ^2/NDF: 84.3/82

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2743.810+/-0.732 χ^2/NDF: 680856.7/16

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2476.894+/-0.664 χ^2/NDF: 1183077.5/18

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

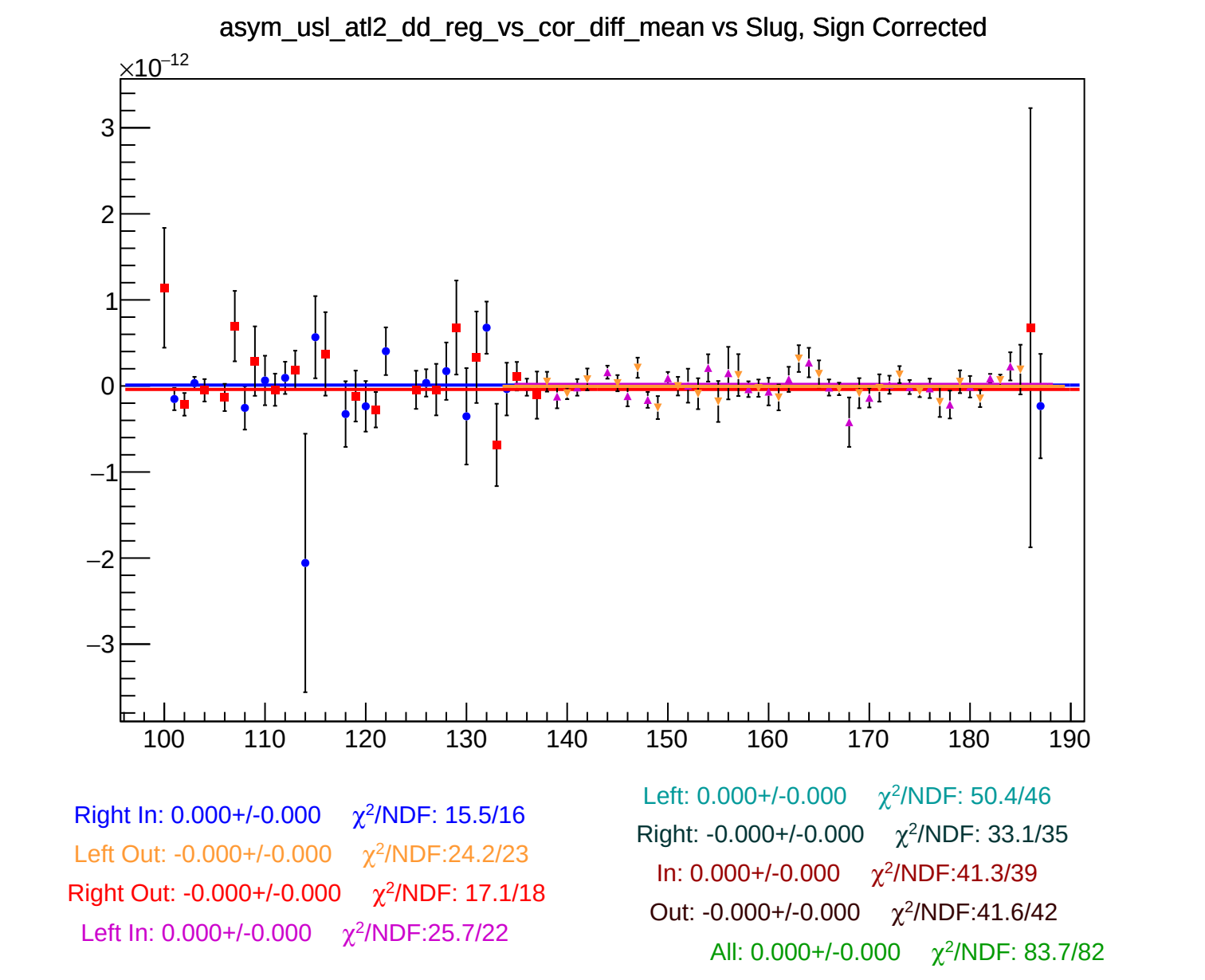
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

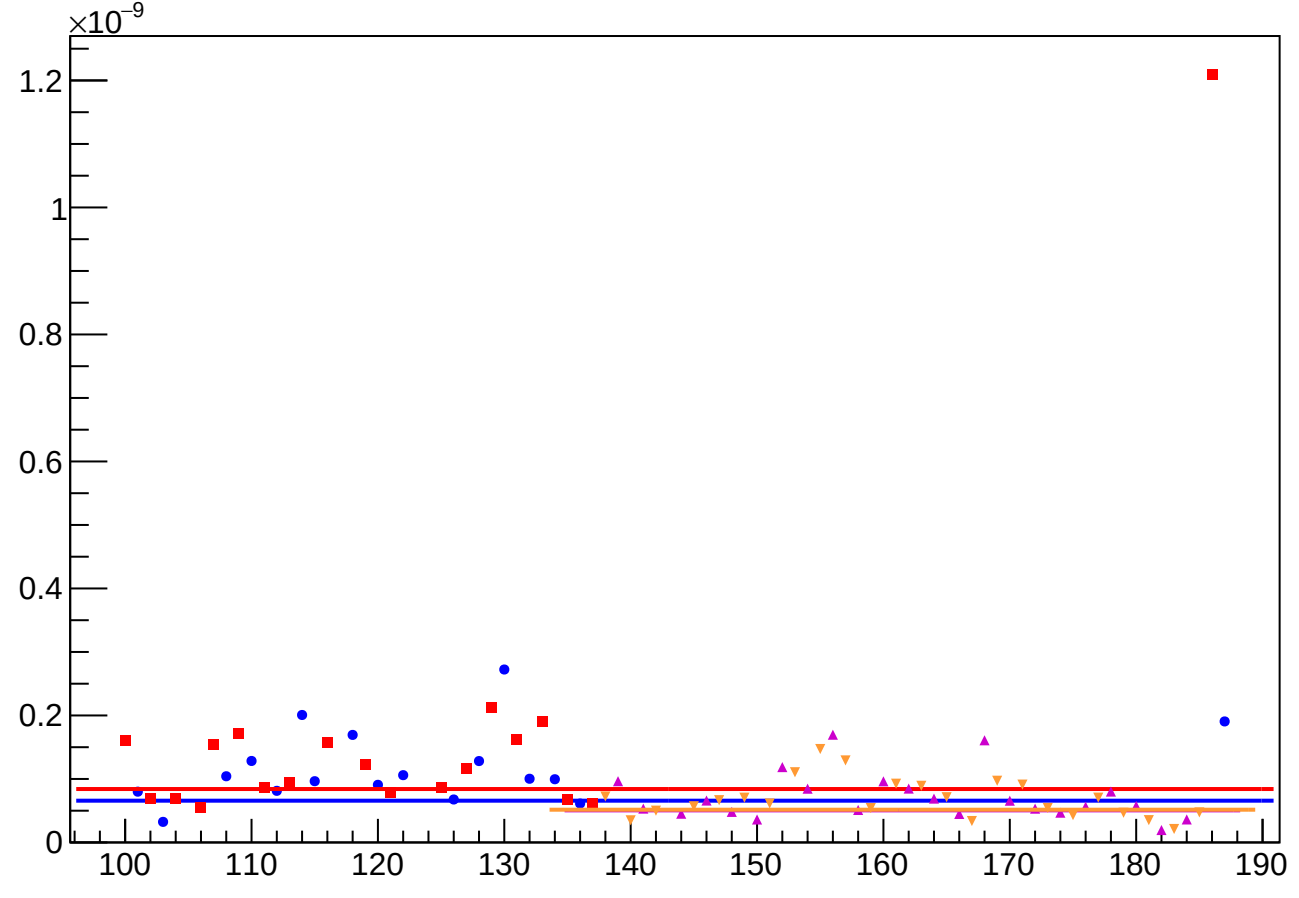
Right: 2597.326+/-0.492 χ^2/NDF: 1936910.3/35

In: 3459.352+/-0.502 χ^2/NDF:3645672.1/39

Out: 3268.857+/-0.478 χ^2/NDF:5115257.9/42

All: 3359.566+/-0.346 χ^2/NDF: 8836468.7/82


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.5/16
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/18
Left In: 0.000+/-0.000 χ²/NDF:25.7/22
Left: 0.000+/-0.000 χ²/NDF: 50.4/46
Right: -0.000+/-0.000 χ²/NDF: 33.1/35
In: 0.000+/-0.000 χ²/NDF:41.3/39
Out: -0.000+/-0.000 χ²/NDF:41.6/42
All: 0.000+/-0.000 χ²/NDF: 83.7/82



Right In: 0.000+/-0.000 χ^2/NDF: 1307737.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1080056.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

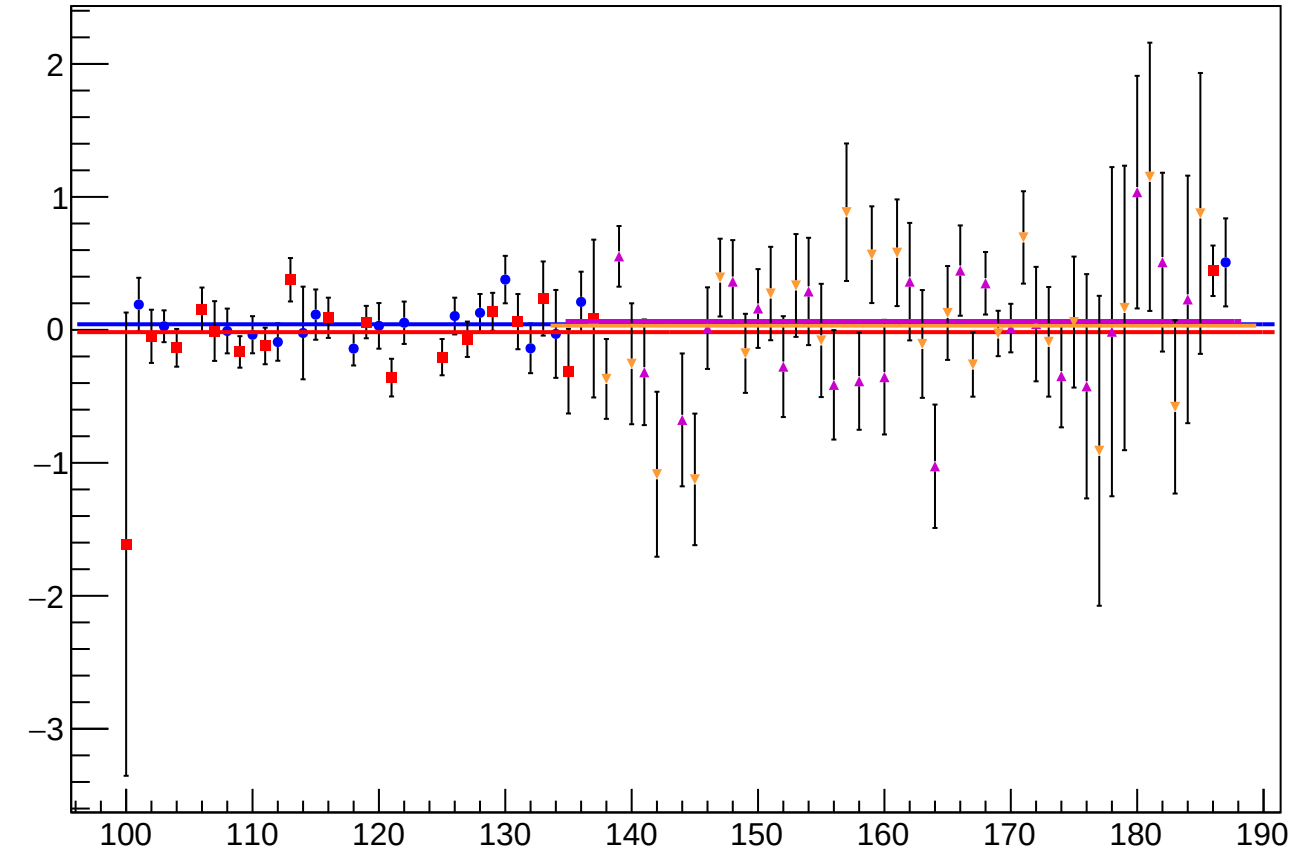
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 2529068.6/35

In: 0.000+/-0.000 χ^2/NDF:3934043.4/39

Out: 0.000+/-0.000 χ^2/NDF:3985004.8/42

All: 0.000+/-0.000 χ^2/NDF: 7938799.1/82



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.038 χ^2/NDF: 28.2/18

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

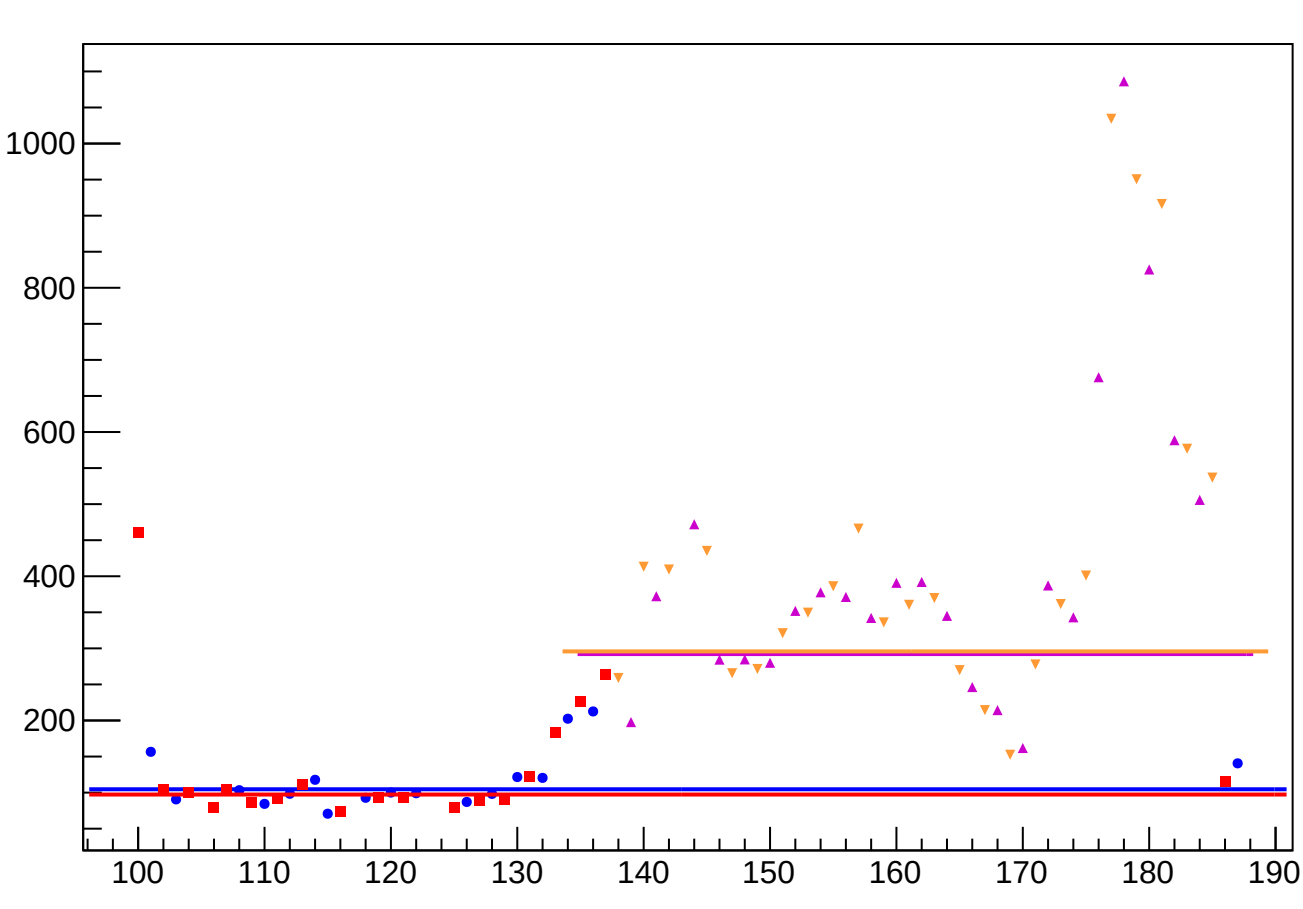
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.011+/-0.028 χ^2/NDF: 41.1/35

In: 0.048+/-0.036 χ^2/NDF:37.5/39

Out: -0.007+/-0.034 χ^2/NDF:58.3/42

All: 0.019+/-0.025 χ^2/NDF: 97.0/82



Right In: 104.651+/-0.029 χ^2/NDF: 1013802.0/16

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 97.326+/-0.027 χ^2/NDF: 974314.7/18

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

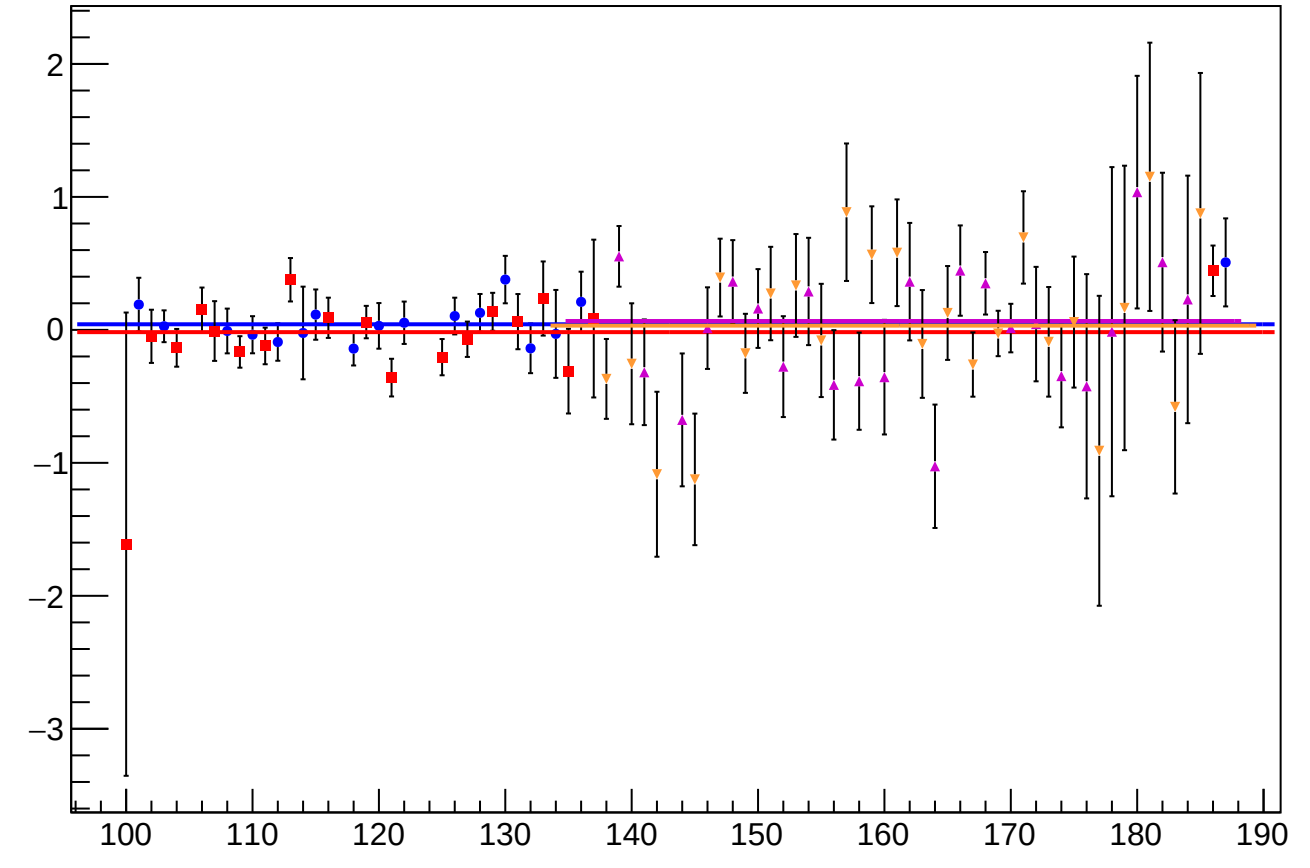
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 100.746+/-0.020 χ^2/NDF: 2022624.0/35

In: 147.572+/-0.025 χ^2/NDF:15774272.7/39

Out: 137.196+/-0.024 χ^2/NDF:17373623.4/42

All: 142.133+/-0.017 χ^2/NDF: 33236199.2/82



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.038 χ^2/NDF: 28.2/18

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

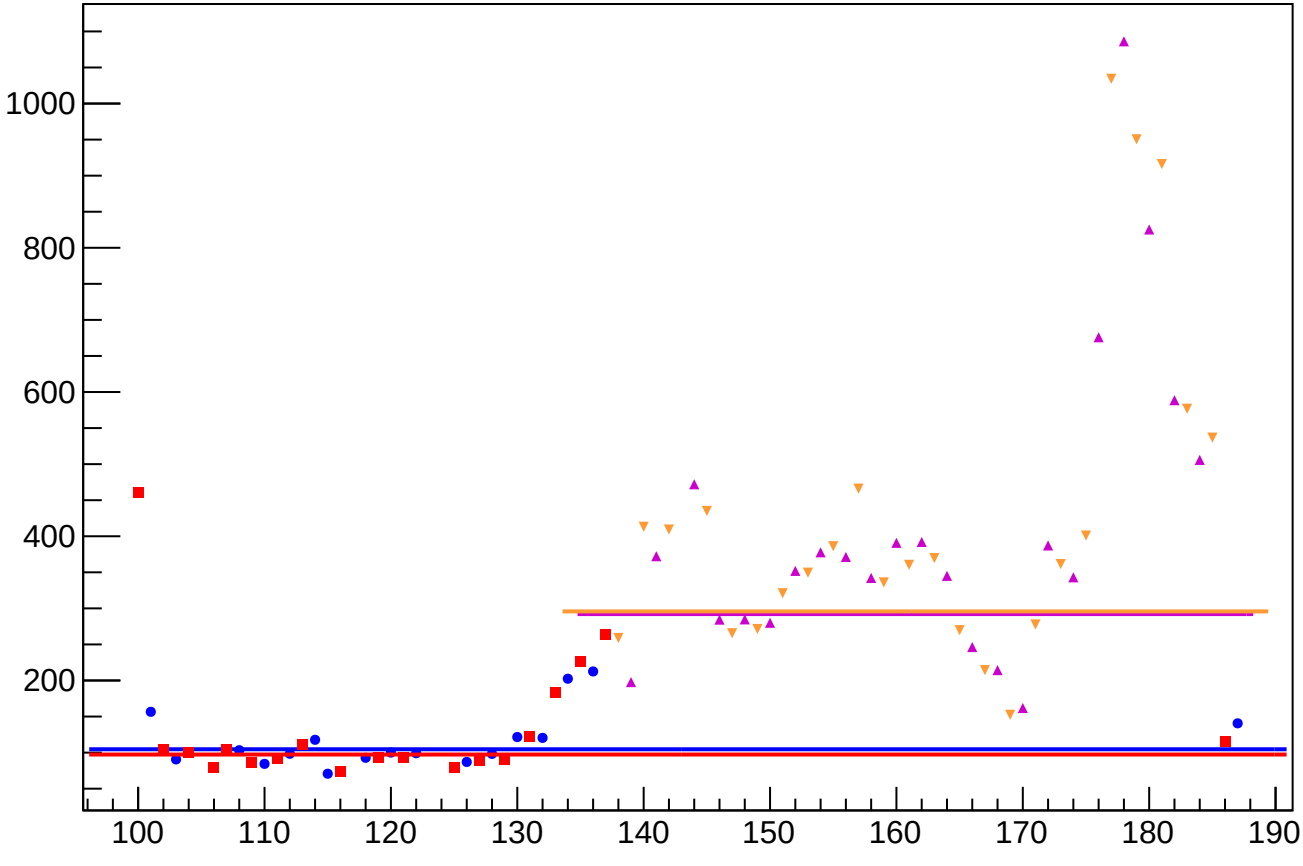
Right: 0.011+/-0.028 χ^2/NDF: 41.1/35

In: 0.048+/-0.036 χ^2/NDF:37.5/39

Out: -0.007+/-0.034 χ^2/NDF:58.3/42

All: 0.019+/-0.025 χ^2/NDF: 97.0/82

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.651+/-0.029 χ^2/NDF: 1013802.0/16

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 97.326+/-0.027 χ^2/NDF: 974314.7/18

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

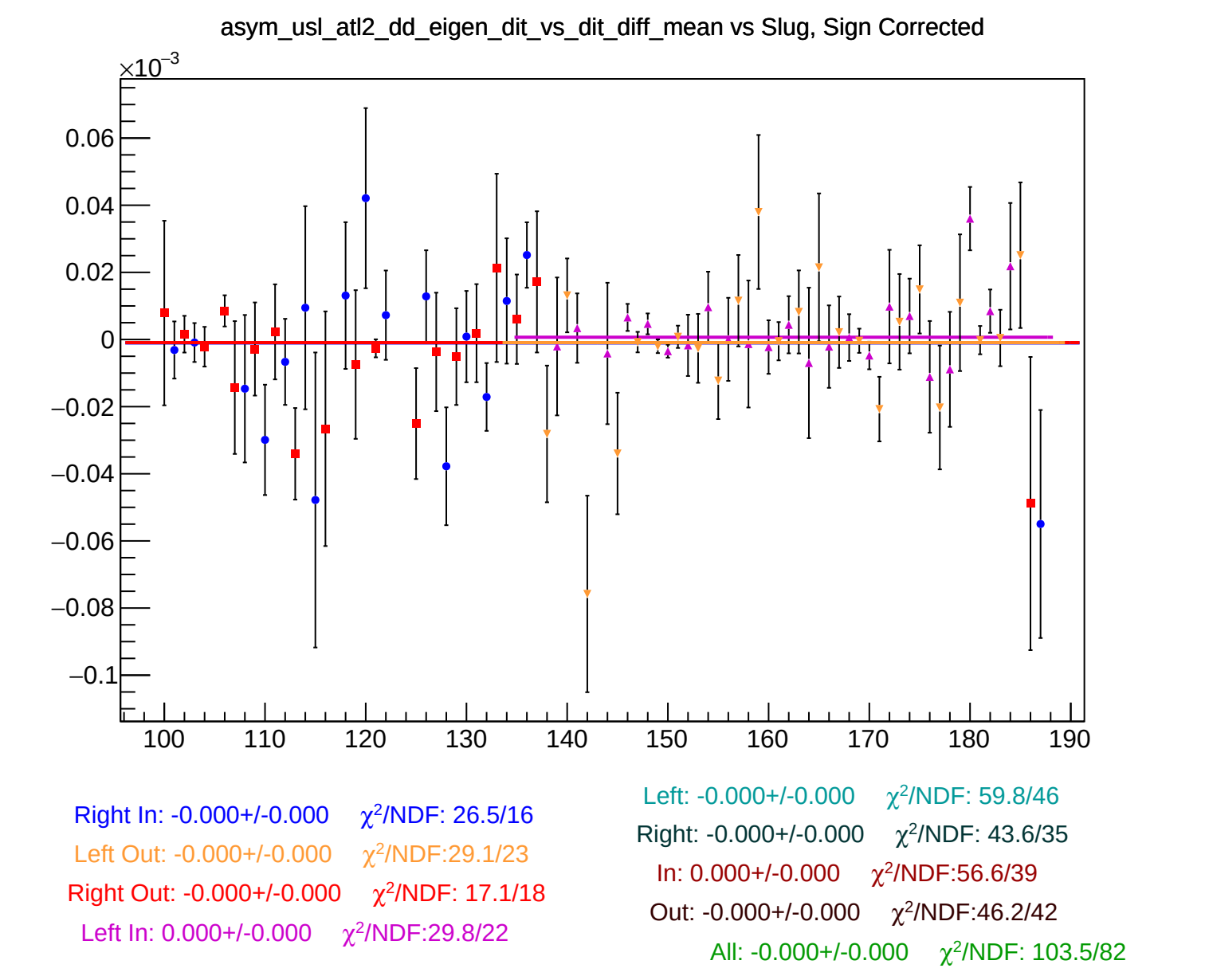
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

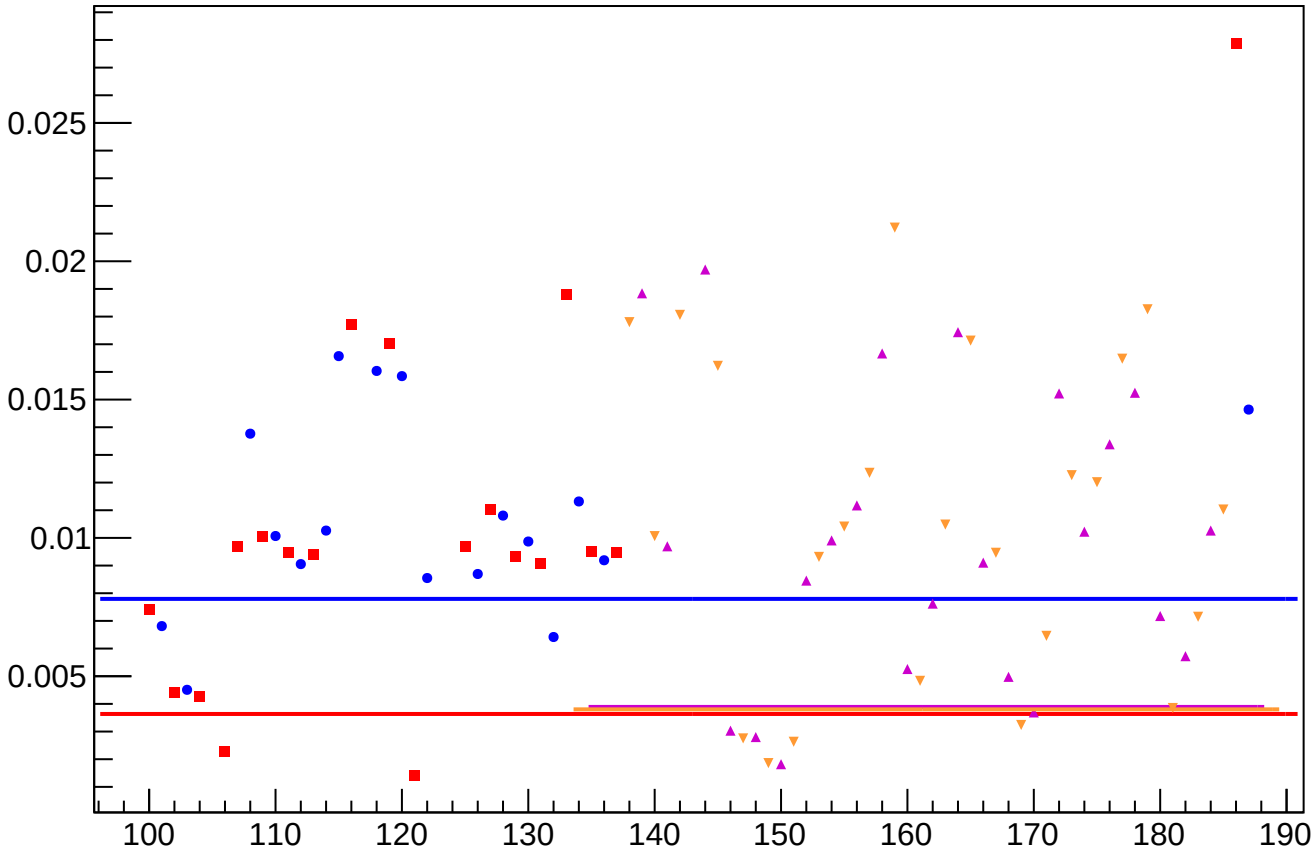
Right: 100.746+/-0.020 χ^2/NDF: 2022624.0/35

In: 147.572+/-0.025 χ^2/NDF:15774272.7/39

Out: 137.196+/-0.024 χ^2/NDF:17373623.4/42

All: 142.133+/-0.017 χ^2/NDF: 33236199.2/82


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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 26.5/16
Left Out: -0.000+/-0.000 χ²/NDF:29.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/18
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: -0.000+/-0.000 χ²/NDF: 59.8/46
Right: -0.000+/-0.000 χ²/NDF: 43.6/35
In: 0.000+/-0.000 χ²/NDF:56.6/39
Out: -0.000+/-0.000 χ²/NDF:46.2/42
All: -0.000+/-0.000 χ²/NDF: 103.5/82



Right In: 0.008+/-0.000 χ^2/NDF: 1783348.4/16

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 6981894.0/18

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

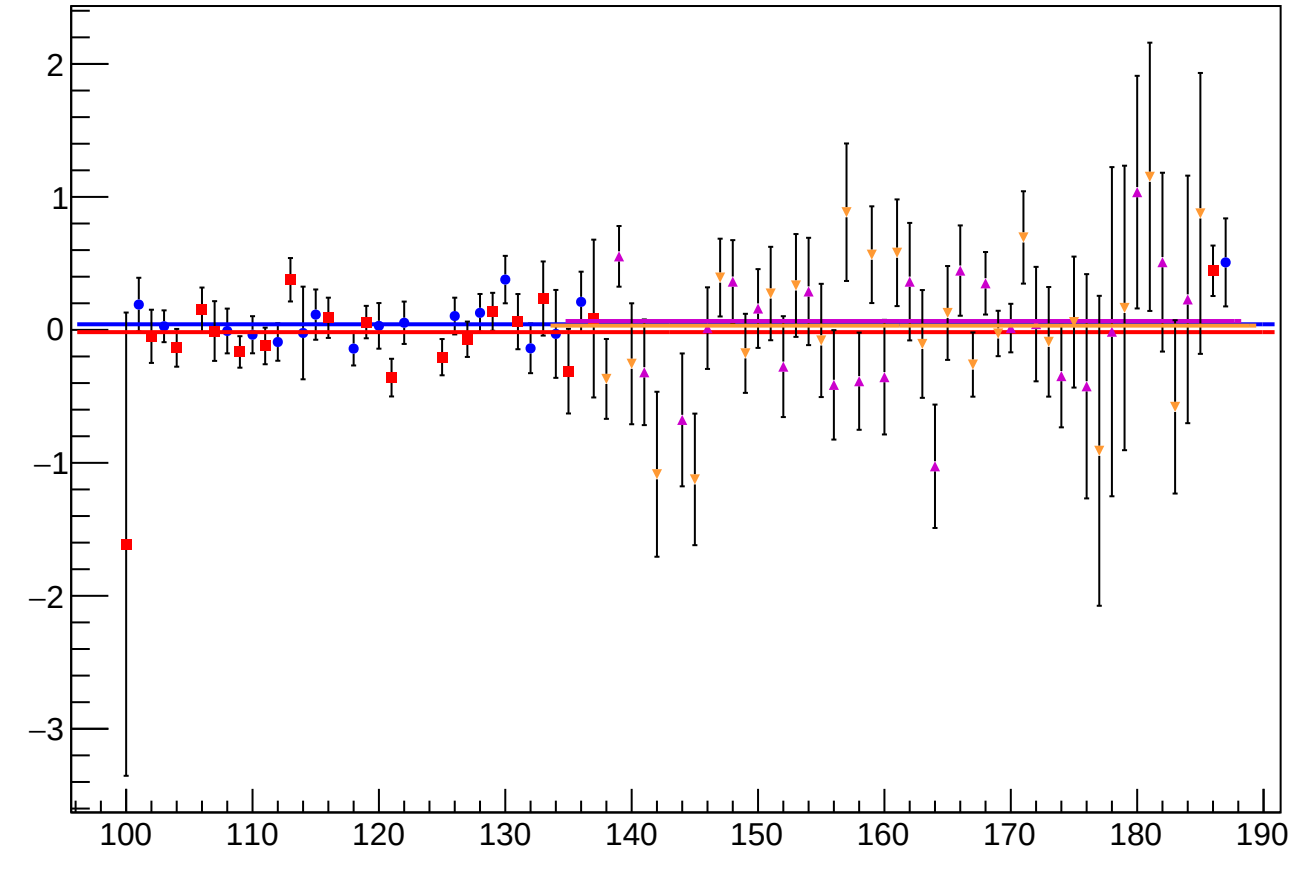
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.005+/-0.000 χ^2/NDF: 11430135.0/35

In: 0.004+/-0.000 χ^2/NDF:18047604.2/39

Out: 0.004+/-0.000 χ^2/NDF:21618346.3/42

All: 0.004+/-0.000 χ^2/NDF: 40057112.7/82



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.038 χ^2/NDF: 28.2/18

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

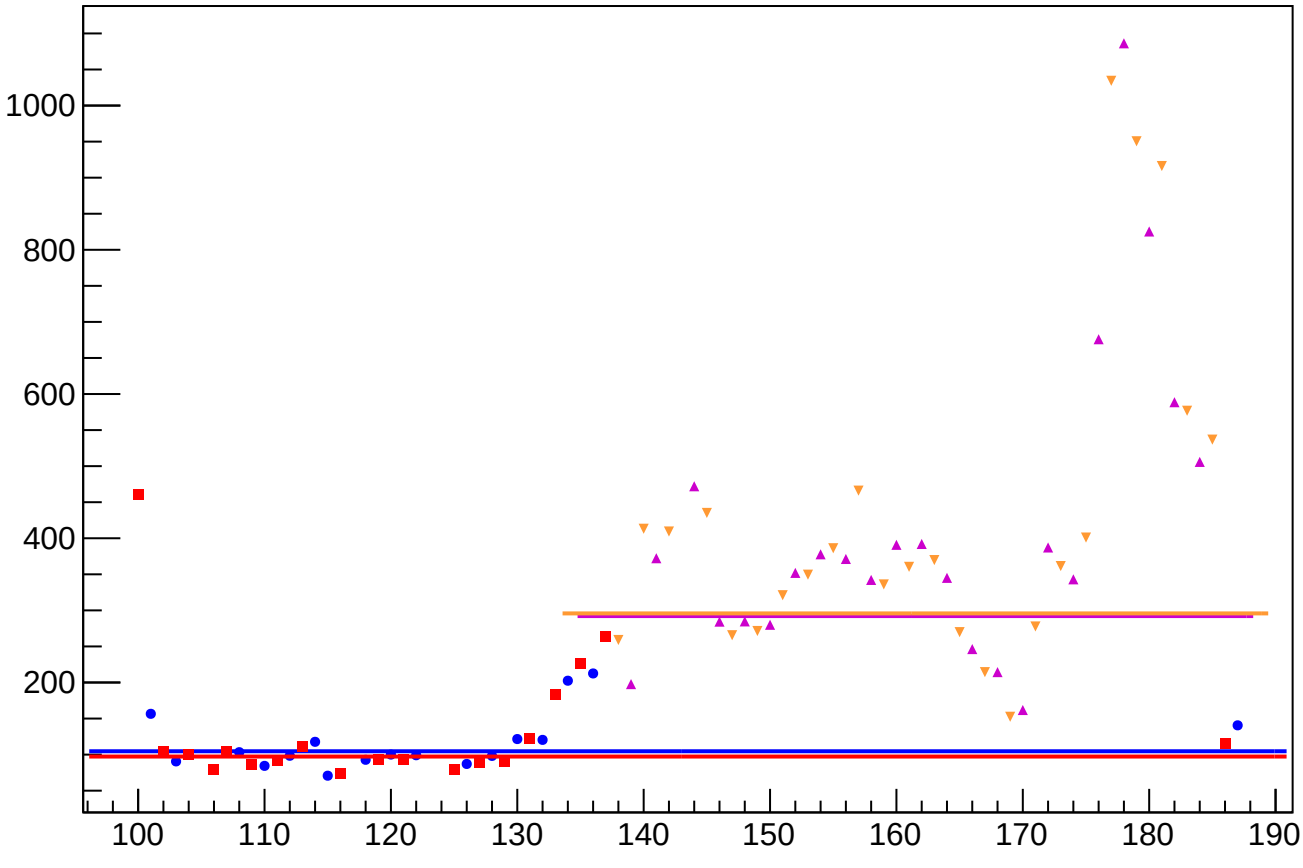
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.011+/-0.028 χ^2/NDF: 41.1/35

In: 0.048+/-0.036 χ^2/NDF:37.5/39

Out: -0.007+/-0.034 χ^2/NDF:58.3/42

All: 0.019+/-0.025 χ^2/NDF: 97.0/82



Right In: 104.652+/-0.029 χ^2/NDF: 1013759.0/16

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 97.327+/-0.027 χ^2/NDF: 974211.2/18

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

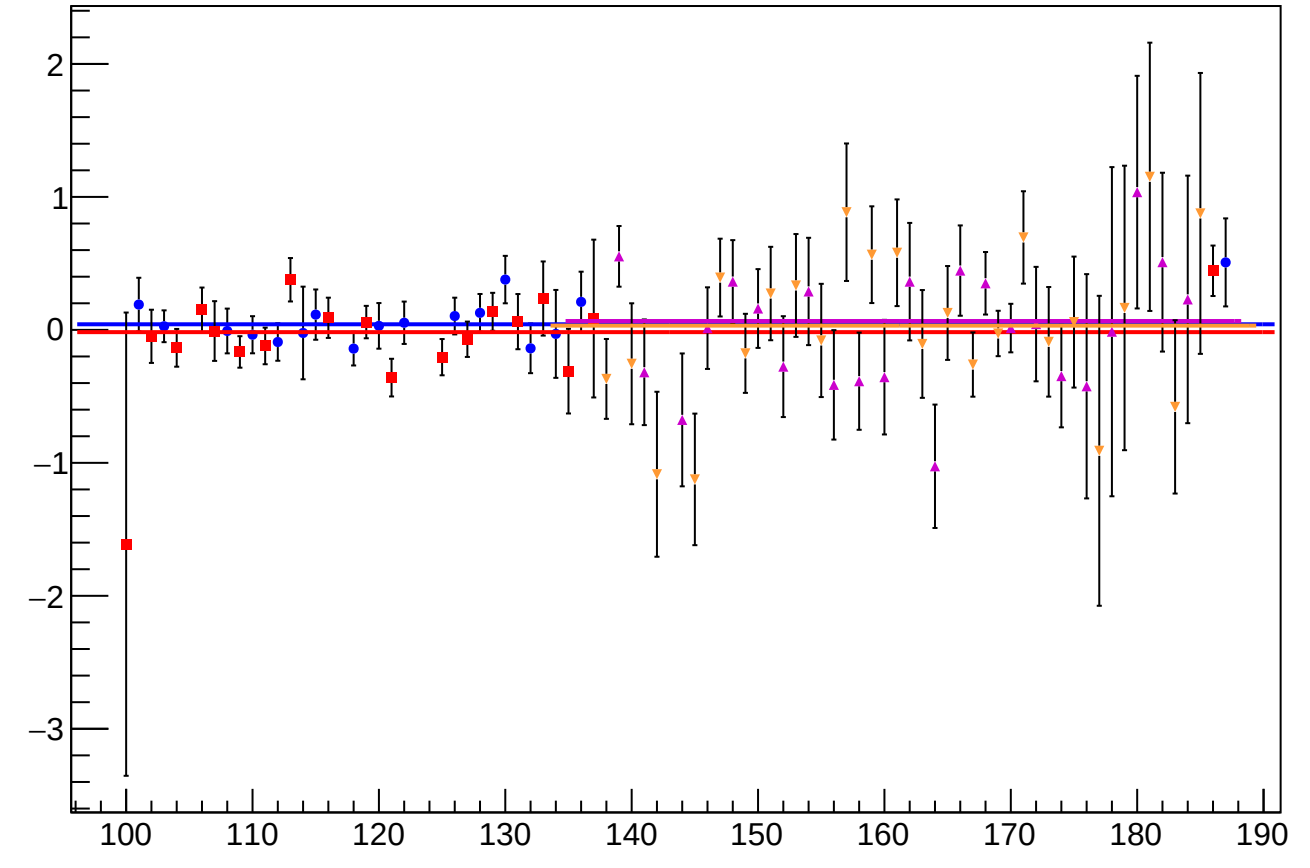
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 100.747+/-0.020 χ^2/NDF: 2022478.6/35

In: 147.574+/-0.025 χ^2/NDF:15774248.7/39

Out: 137.196+/-0.024 χ^2/NDF:17373564.1/42

All: 142.134+/-0.017 χ^2/NDF: 33236122.7/82



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.038 χ^2/NDF: 28.2/18

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

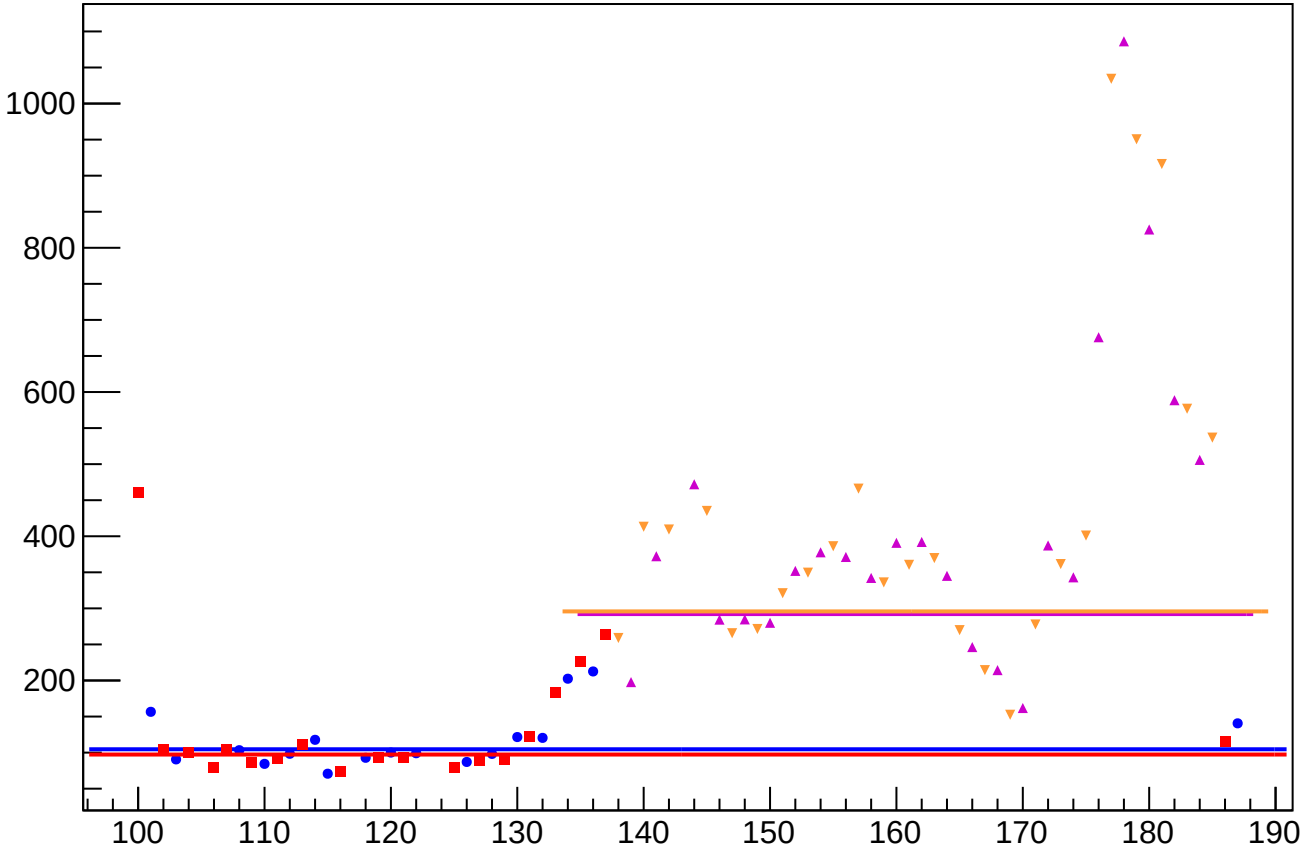
Right: 0.011+/-0.028 χ^2/NDF: 41.1/35

In: 0.048+/-0.036 χ^2/NDF:37.5/39

Out: -0.007+/-0.034 χ^2/NDF:58.3/42

All: 0.019+/-0.025 χ^2/NDF: 97.0/82

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.652+/-0.029 χ^2/NDF: 1013759.0/16

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 97.327+/-0.027 χ^2/NDF: 974211.2/18

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

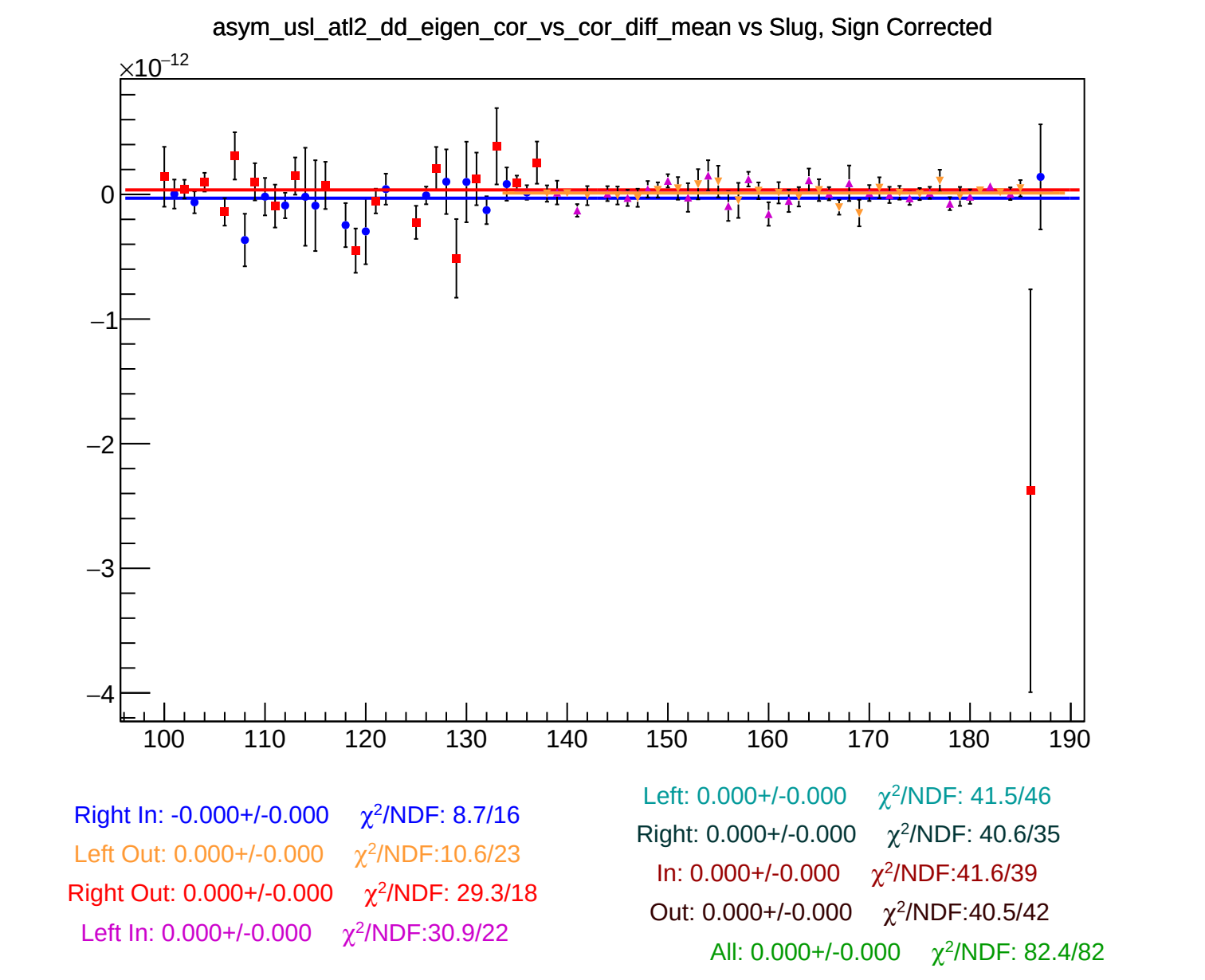
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 100.747+/-0.020 χ^2/NDF: 2022478.6/35

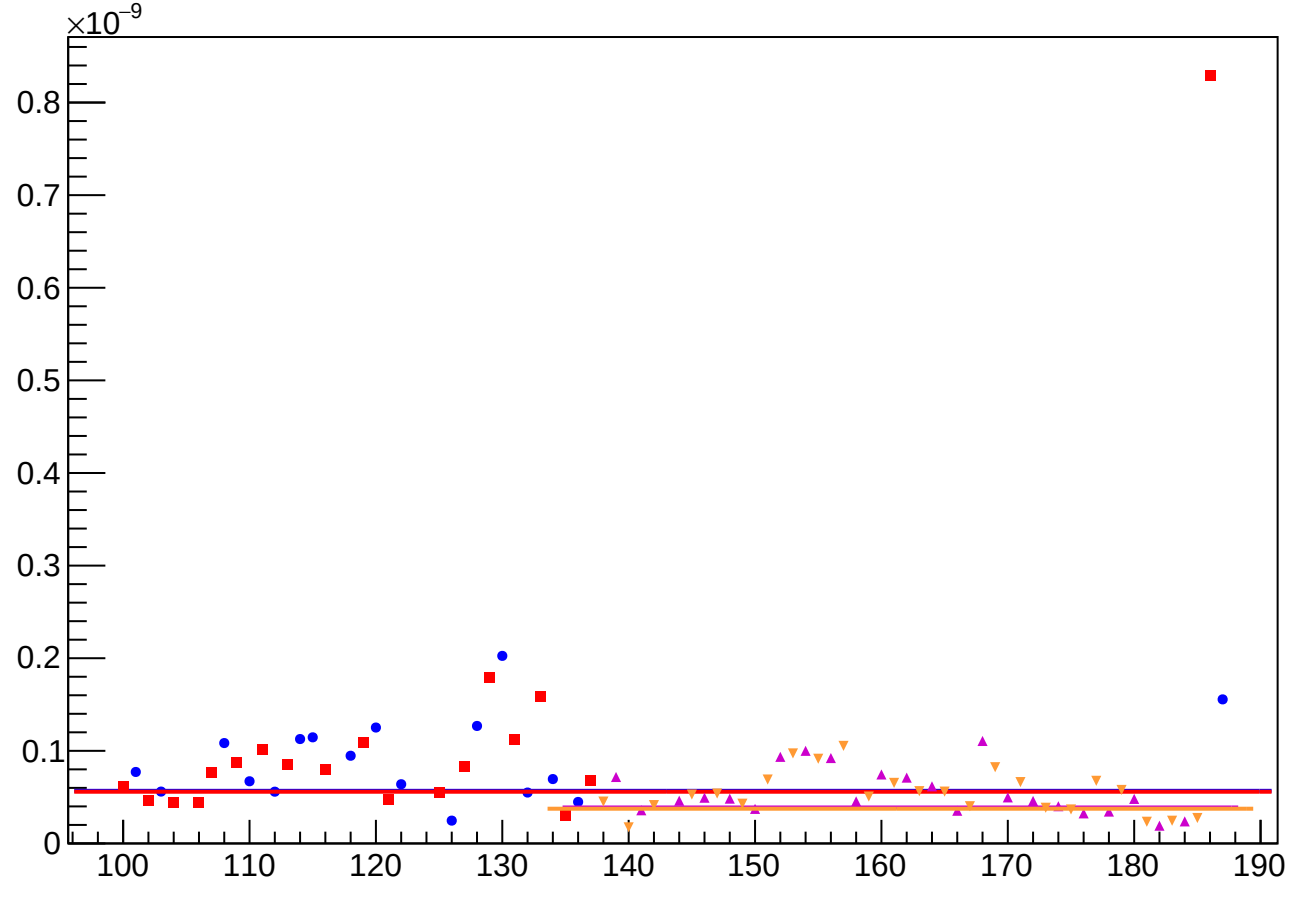
In: 147.574+/-0.025 χ^2/NDF:15774248.7/39

Out: 137.196+/-0.024 χ^2/NDF:17373564.1/42

All: 142.134+/-0.017 χ^2/NDF: 33236122.7/82


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.7/16
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 29.3/18
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.5/46
Right: 0.000+/-0.000 χ²/NDF: 40.6/35
In: 0.000+/-0.000 χ²/NDF:41.6/39
Out: 0.000+/-0.000 χ²/NDF:40.5/42
All: 0.000+/-0.000 χ²/NDF: 82.4/82

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1692981.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2225209.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

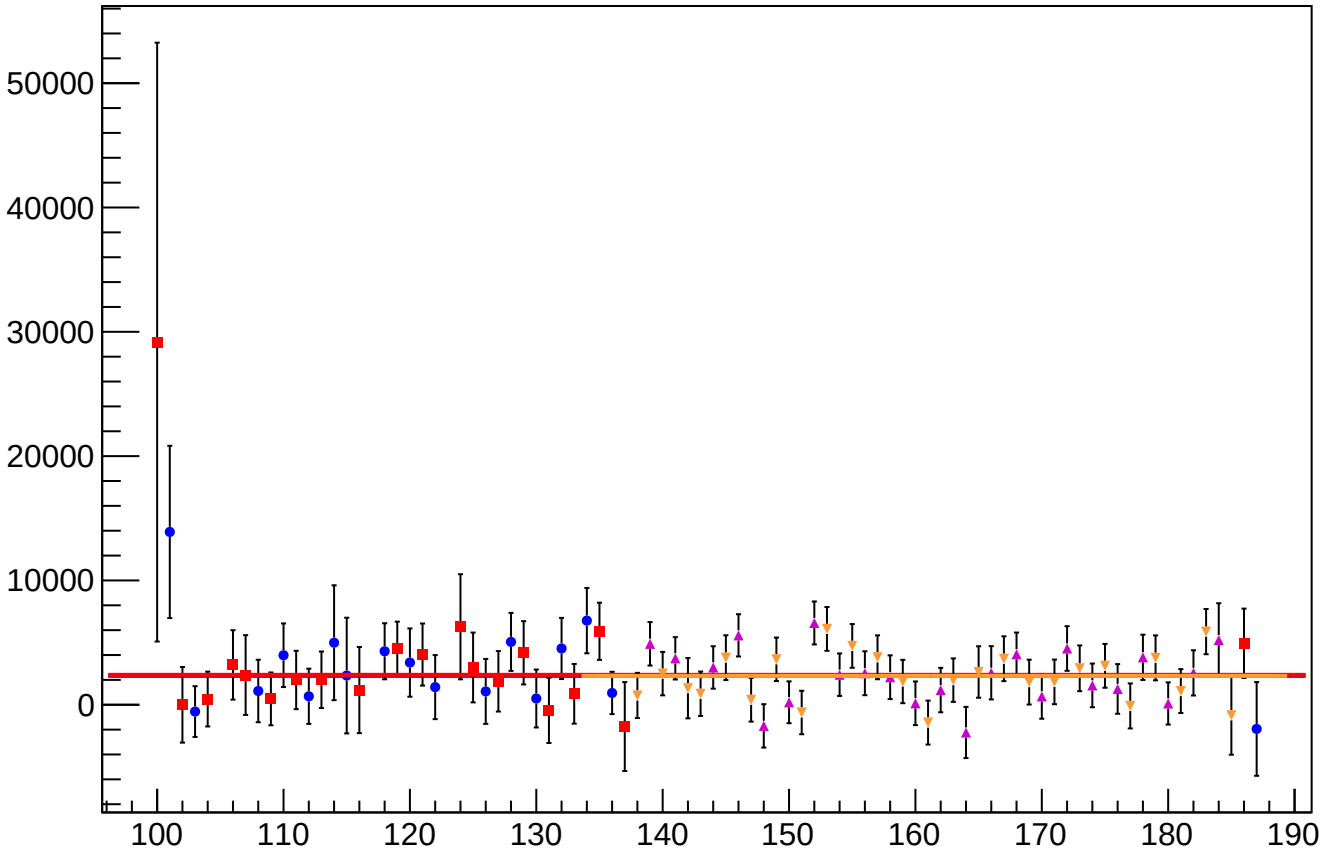
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 3919284.0/35

In: 0.000+/-0.000 χ^2/NDF:6906618.9/39

Out: 0.000+/-0.000 χ^2/NDF:7903417.7/42

All: 0.000+/-0.000 χ^2/NDF: 14822302.2/82



Right In: 2330.373+/-621.603 χ^2/NDF: 15.2/16

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2407.660+/-595.126 χ^2/NDF: 12.7/19

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

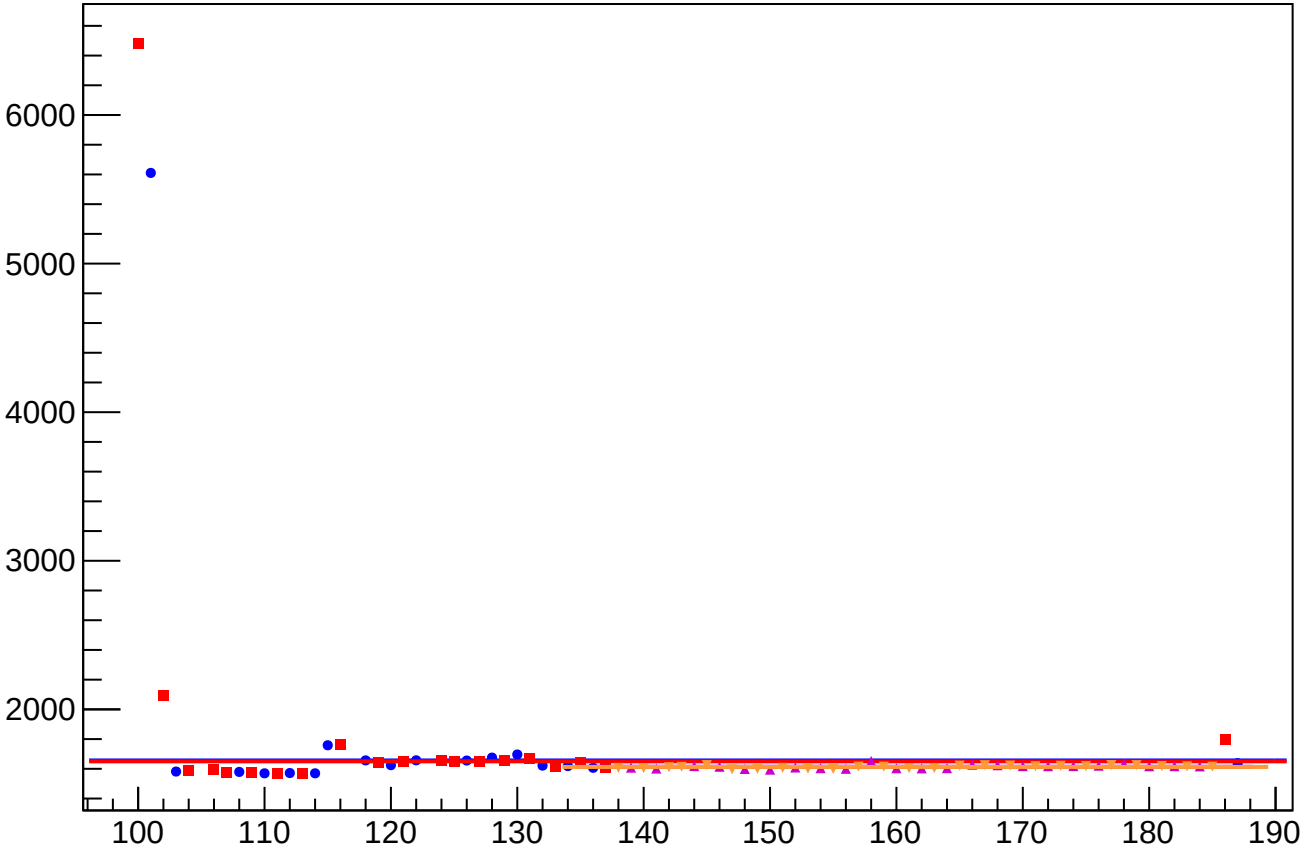
Right: 2370.698+/-429.873 χ^2/NDF: 27.9/36

In: 2359.812+/-322.221 χ^2/NDF:48.9/39

Out: 2344.859+/-311.947 χ^2/NDF:40.2/44

All: 2352.093+/-224.124 χ^2/NDF: 89.1/84

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.173+/-0.440 χ^2/NDF: 666274.3/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1650.290+/-0.421 χ^2/NDF: 142568.1/19

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

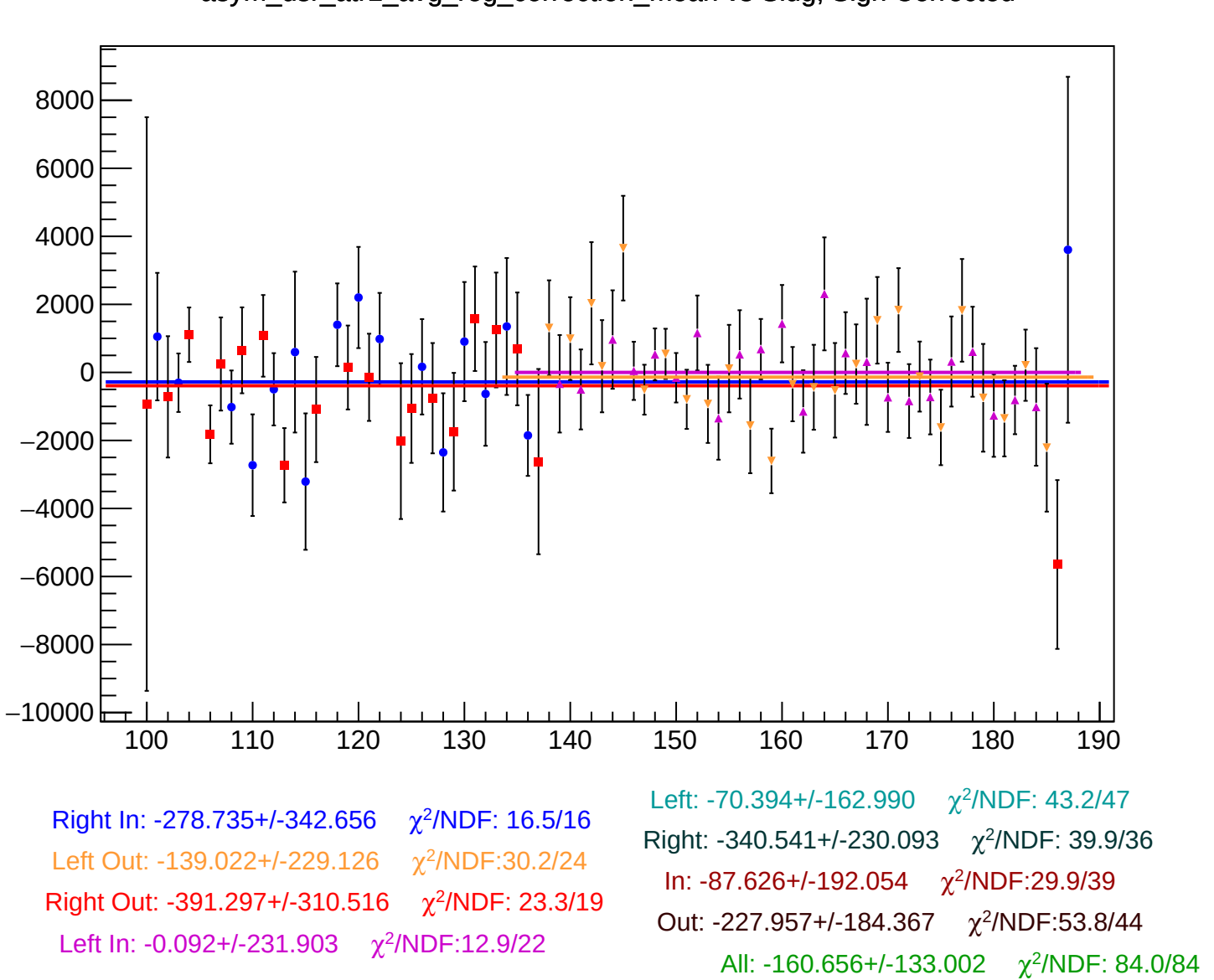
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1653.104+/-0.304 χ^2/NDF: 808935.9/36

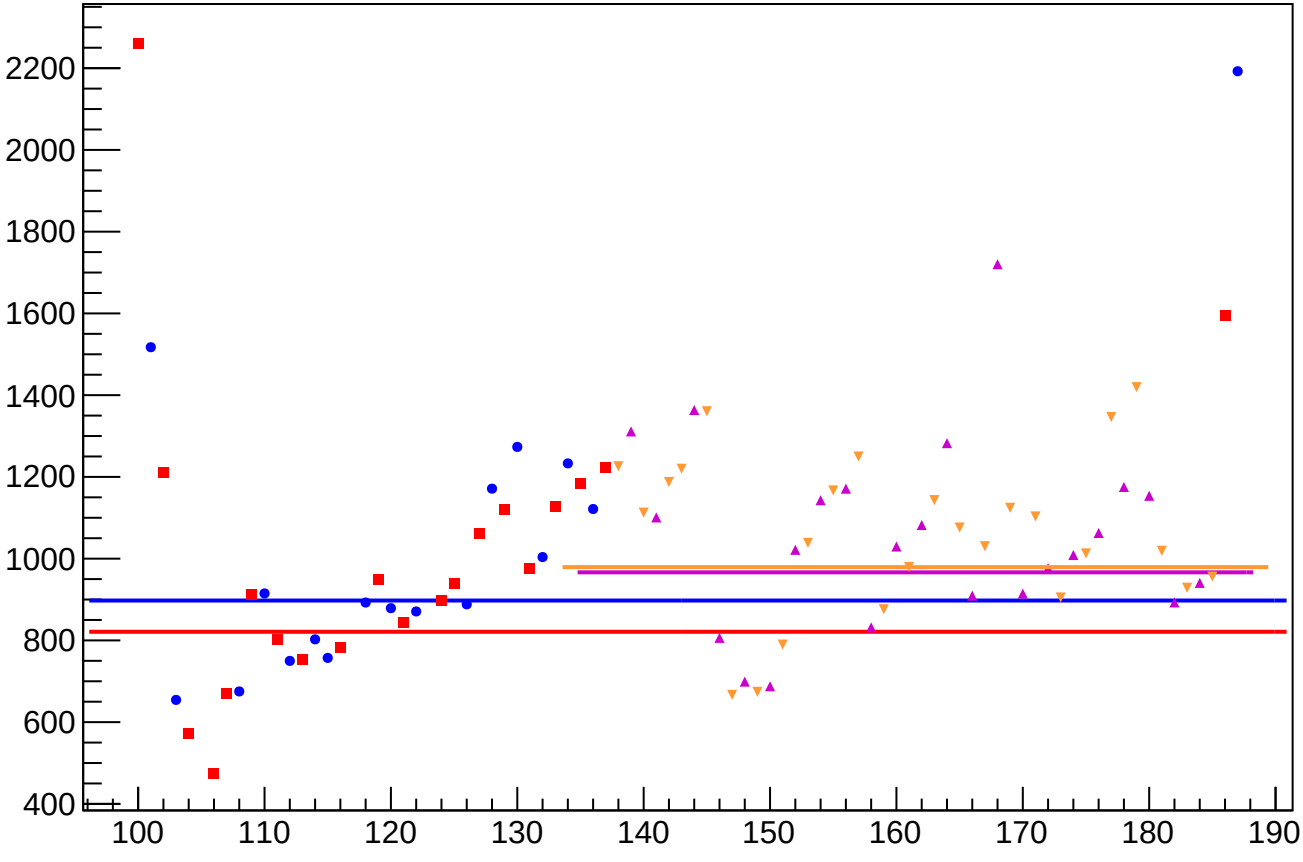
In: 1625.181+/-0.228 χ^2/NDF:675427.5/39

Out: 1622.961+/-0.221 χ^2/NDF:149556.0/44

All: 1624.035+/-0.158 χ^2/NDF: 825032.6/84


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -278.735+/-342.656 χ²/NDF: 16.5/16
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: -391.297+/-310.516 χ²/NDF: 23.3/19
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -340.541+/-230.093 χ²/NDF: 39.9/36
In: -87.626+/-192.054 χ²/NDF:29.9/39
Out: -227.957+/-184.367 χ²/NDF:53.8/44
All: -160.656+/-133.002 χ²/NDF: 84.0/84

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 897.540+/-0.242 χ^2/NDF: 924189.7/16

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 821.106+/-0.220 χ^2/NDF: 1280959.5/19

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

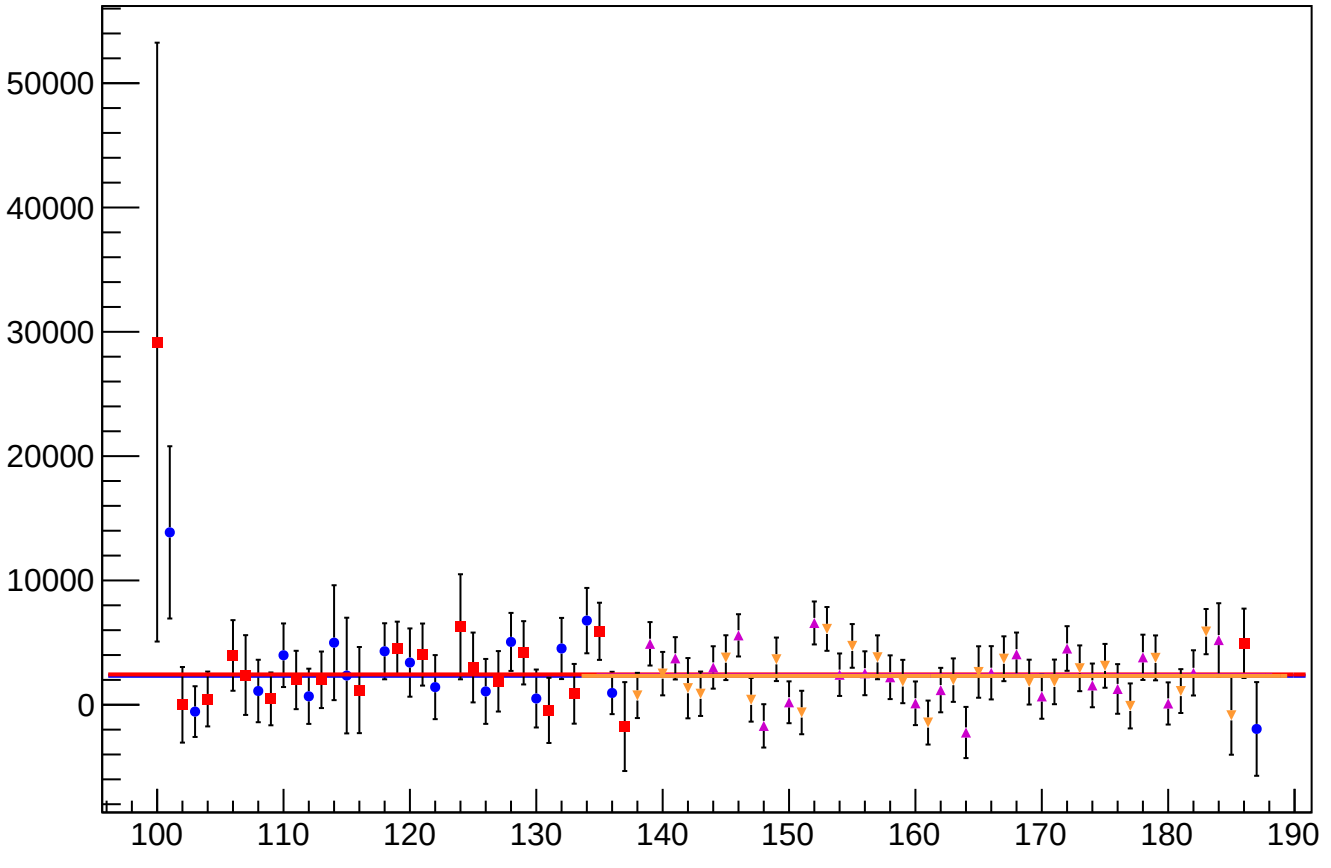
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 855.571+/-0.163 χ^2/NDF: 2259791.1/36

In: 944.854+/-0.136 χ^2/NDF:2582385.9/39

Out: 923.528+/-0.130 χ^2/NDF:3247653.3/44

All: 933.756+/-0.094 χ^2/NDF: 5842873.5/84



Right In: 2329.842+/-621.603 χ^2/NDF: 15.1/16

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2440.294+/-595.593 χ^2/NDF: 12.9/19

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

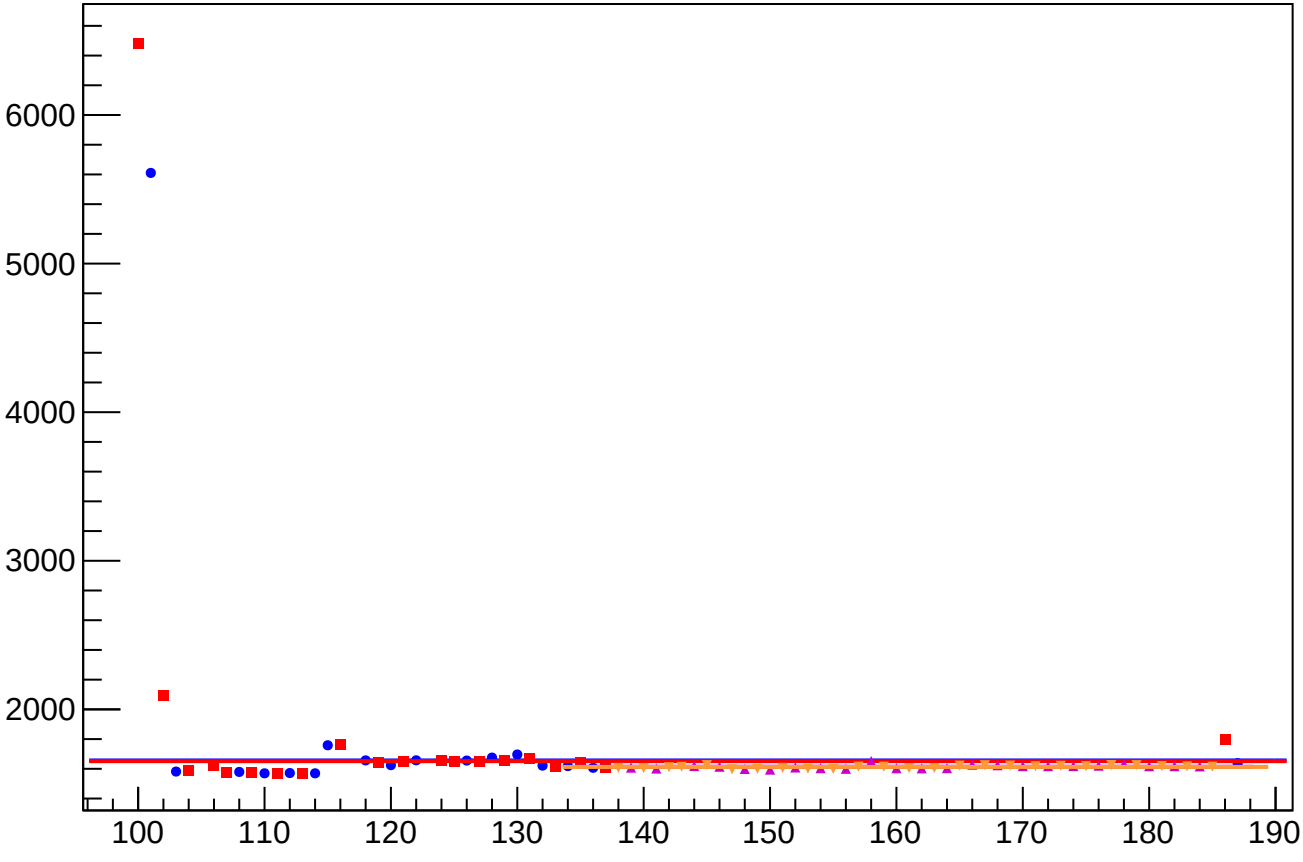
Right: 2387.427+/-430.049 χ^2/NDF: 28.1/36

In: 2359.721+/-322.221 χ^2/NDF:48.9/39

Out: 2353.757+/-312.014 χ^2/NDF:40.4/44

All: 2356.643+/-224.149 χ^2/NDF: 89.3/84

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.173+/-0.440 χ^2/NDF: 666273.8/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1651.544+/-0.421 χ^2/NDF: 141957.1/19

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

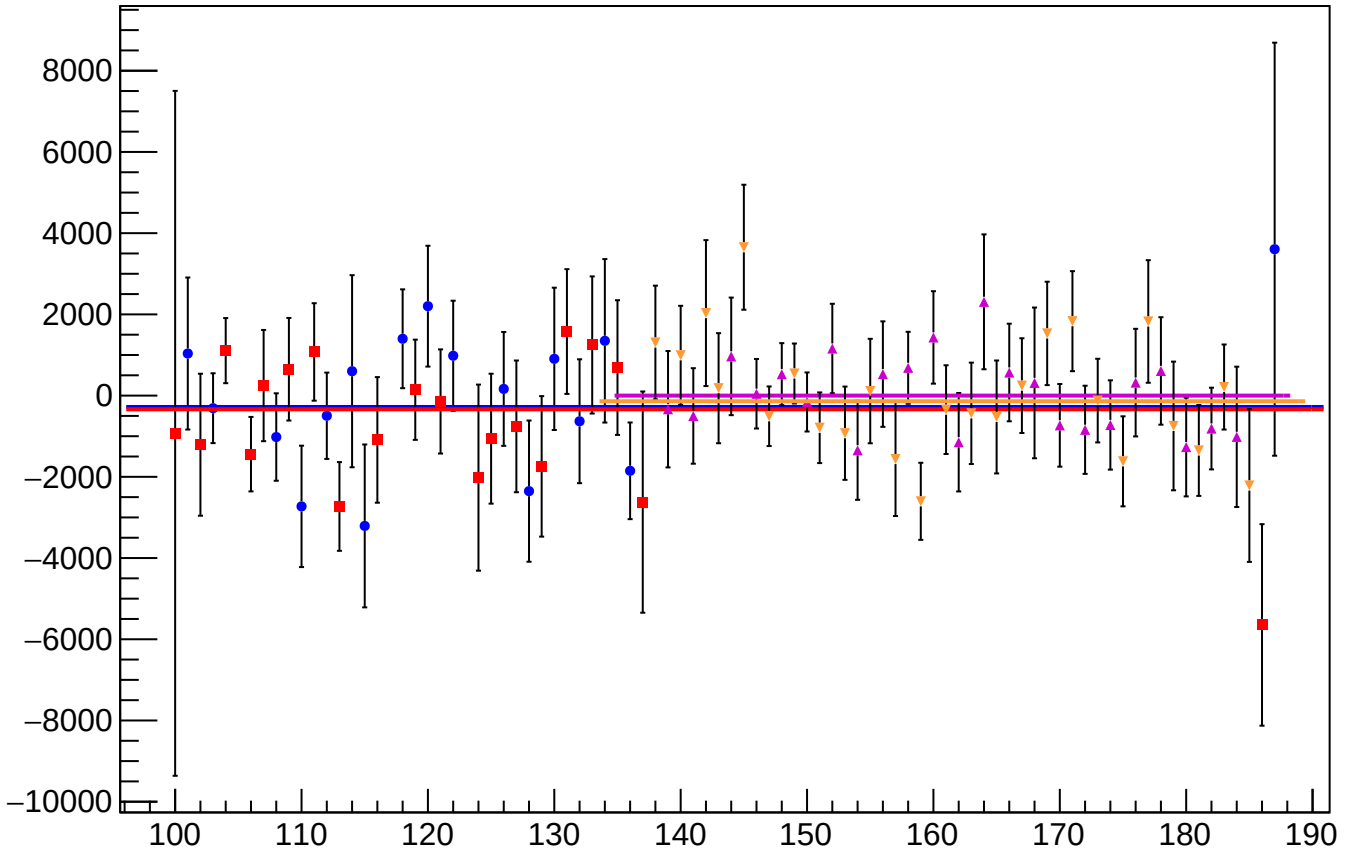
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1653.760+/-0.304 χ^2/NDF: 808288.7/36

In: 1625.181+/-0.228 χ^2/NDF:675427.0/39

Out: 1623.293+/-0.221 χ^2/NDF:149331.4/44

All: 1624.207+/-0.158 χ^2/NDF: 824793.9/84



Right In: -280.077+/-342.611 χ^2/NDF: 16.5/16

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -337.224+/-313.223 χ^2/NDF: 21.9/19

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

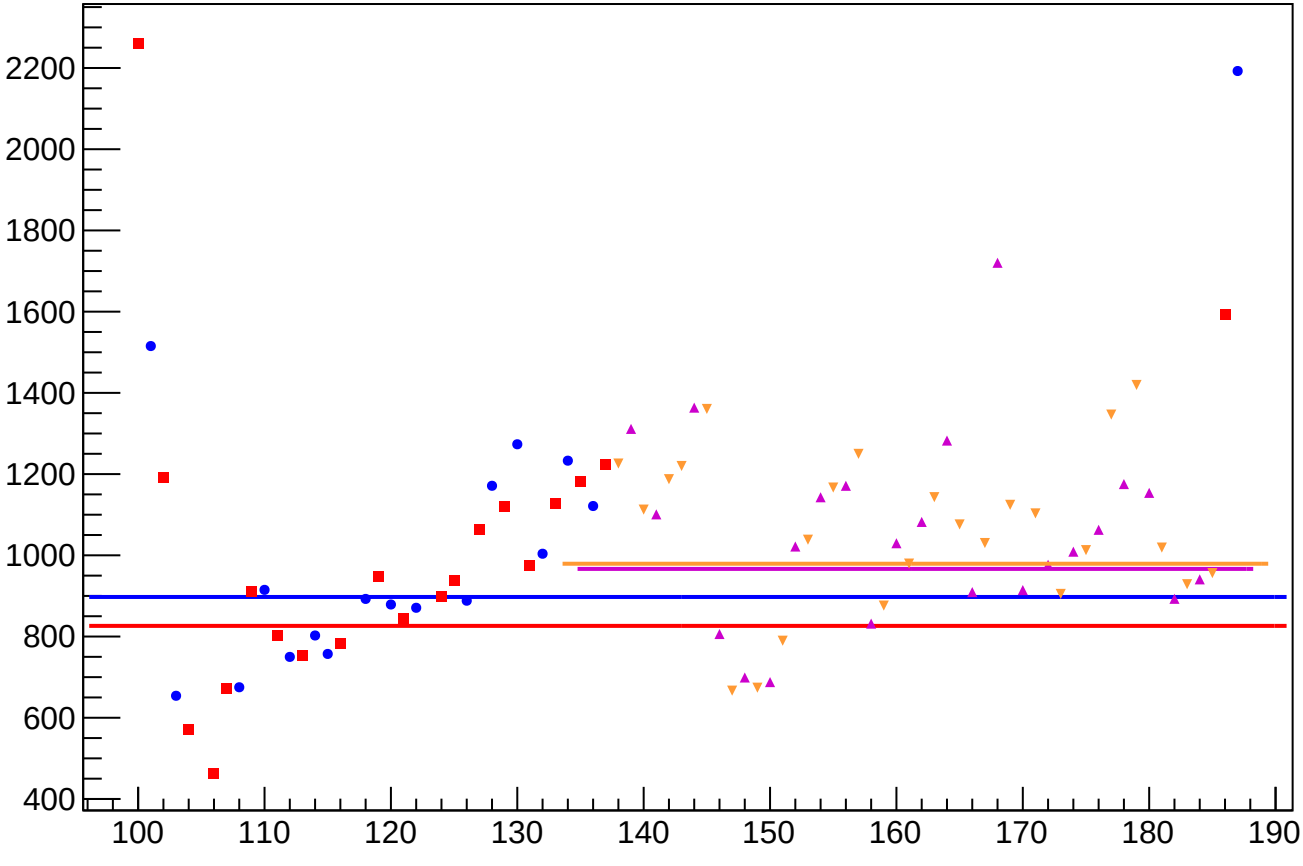
Right: -311.206+/-231.175 χ^2/NDF: 38.5/36

In: -88.048+/-192.046 χ^2/NDF:29.9/39

Out: -208.145+/-184.929 χ^2/NDF:52.3/44

All: -150.363+/-133.210 χ^2/NDF: 82.4/84

asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 897.438+/-0.242 χ^2/NDF: 923973.2/16

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 826.239+/-0.221 χ^2/NDF: 1247549.3/19

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

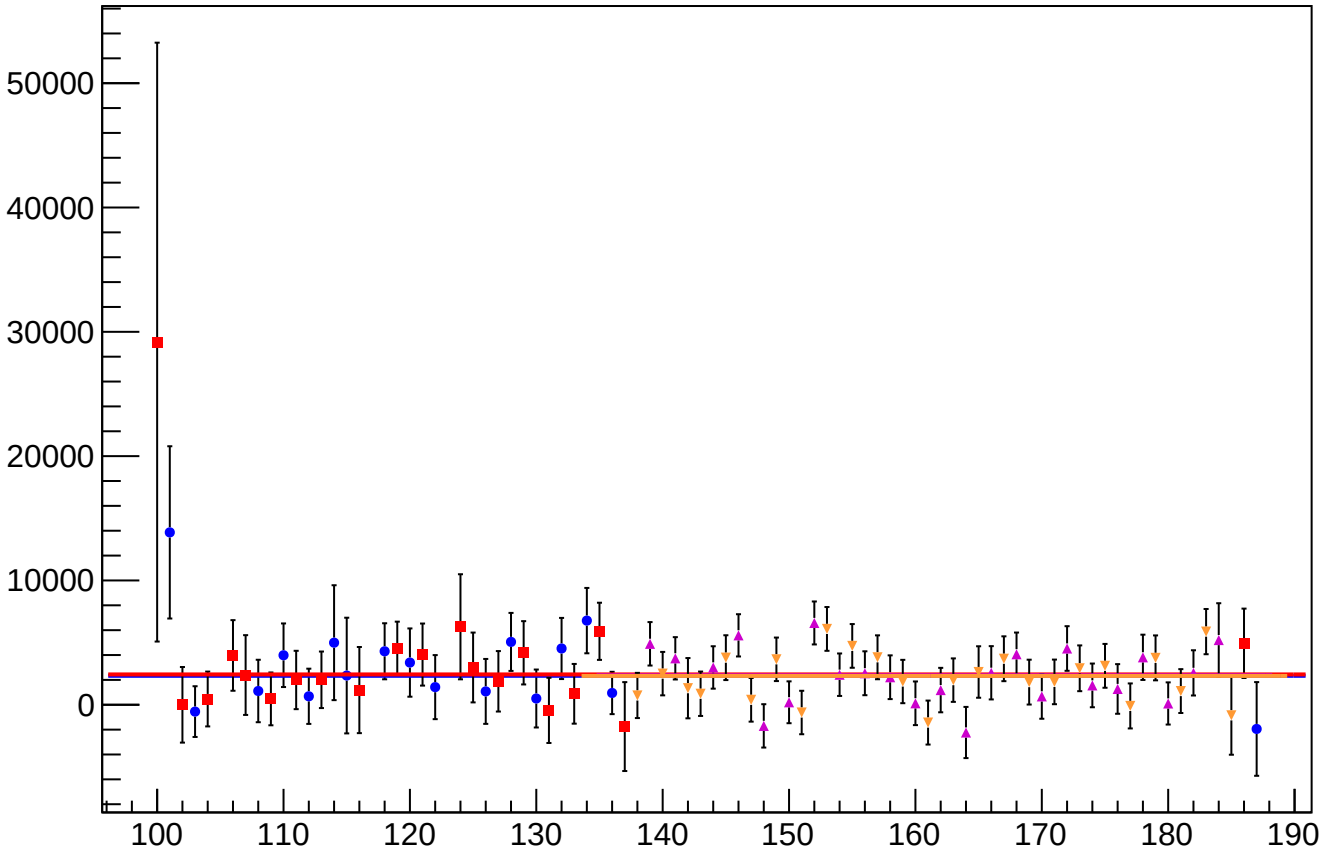
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 858.655+/-0.163 χ^2/NDF: 2218571.3/36

In: 944.822+/-0.136 χ^2/NDF:2582317.1/39

Out: 925.939+/-0.131 χ^2/NDF:3189341.3/44

All: 935.024+/-0.094 χ^2/NDF: 5781691.7/84



Right In: 2329.842+/-621.603 χ^2/NDF: 15.1/16

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2440.294+/-595.593 χ^2/NDF: 12.9/19

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

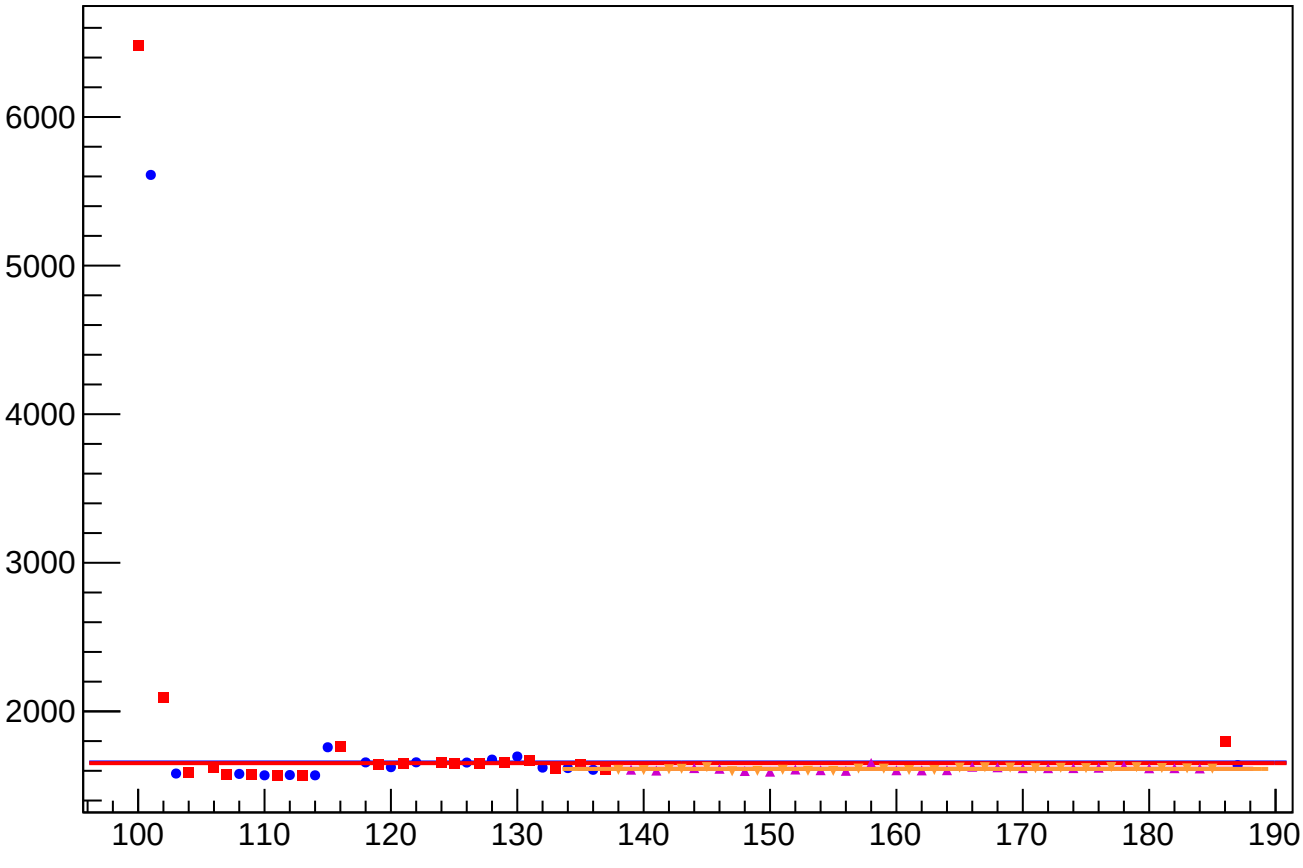
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2387.427+/-430.049 χ^2/NDF: 28.1/36

In: 2359.721+/-322.221 χ^2/NDF:48.9/39

Out: 2353.757+/-312.014 χ^2/NDF:40.4/44

All: 2356.643+/-224.149 χ^2/NDF: 89.3/84



Right In: 1656.173+/-0.440 χ^2/NDF: 666273.8/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1651.544+/-0.421 χ^2/NDF: 141957.1/19

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

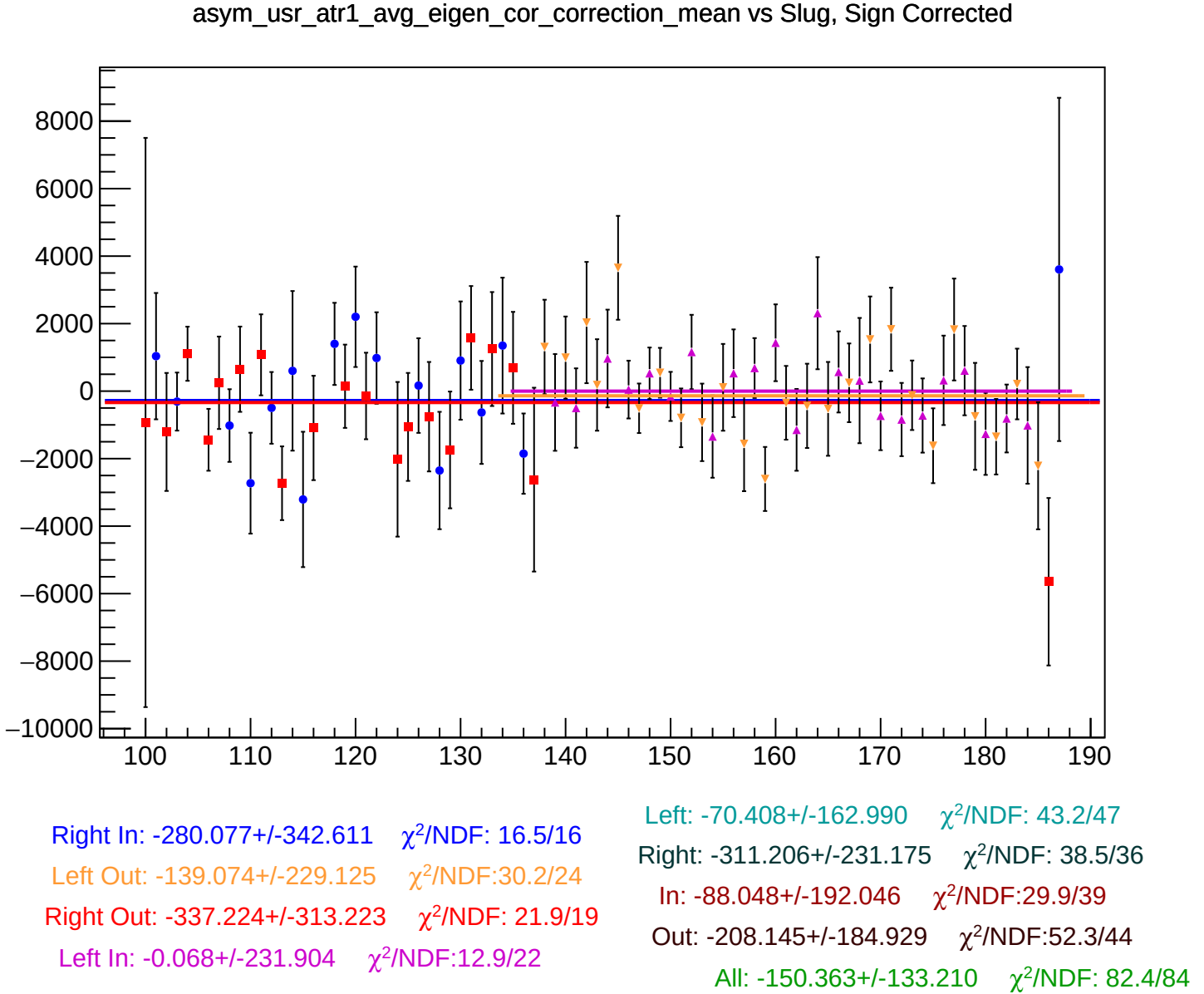
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1653.760+/-0.304 χ^2/NDF: 808288.7/36

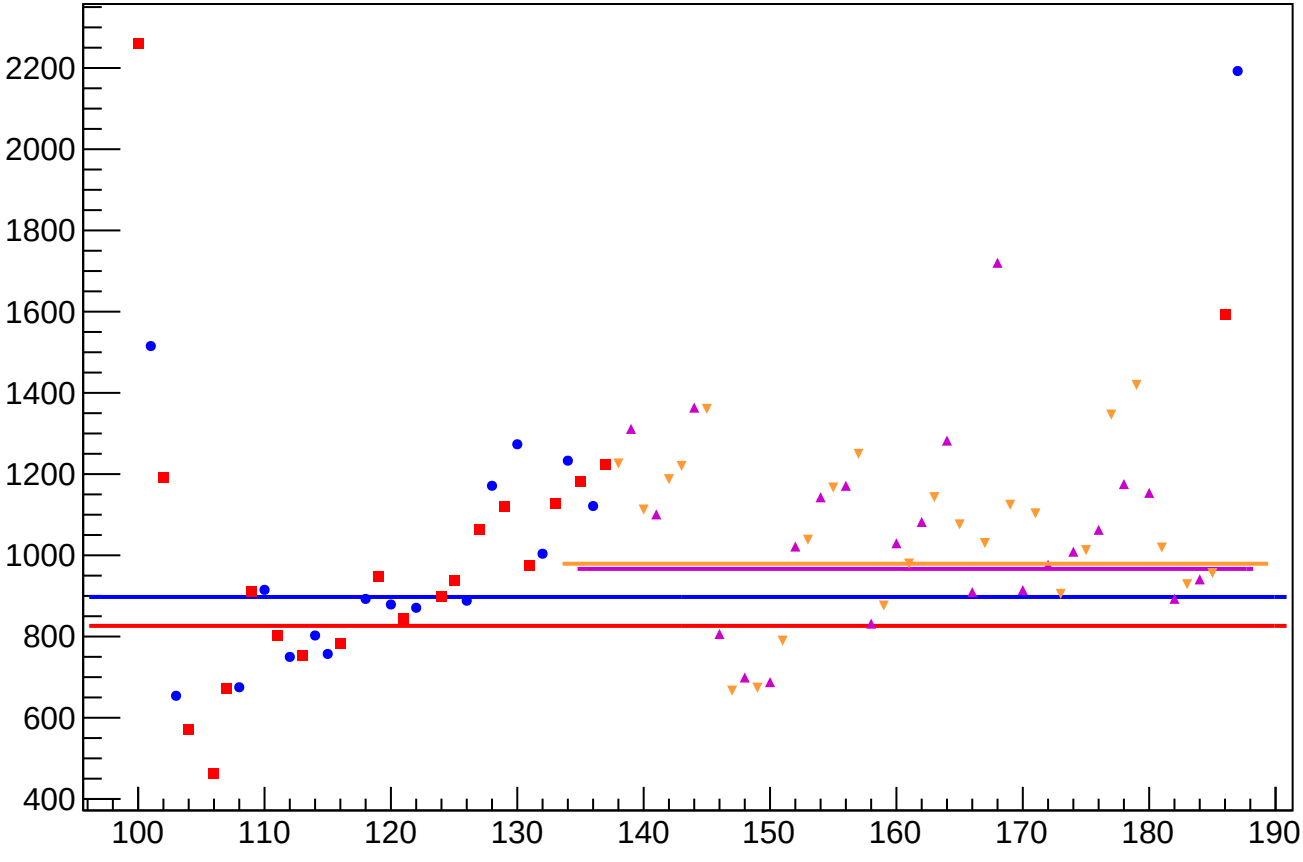
In: 1625.181+/-0.228 χ^2/NDF:675427.0/39

Out: 1623.293+/-0.221 χ^2/NDF:149331.4/44

All: 1624.207+/-0.158 χ^2/NDF: 824793.9/84


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -280.077+/-342.611 χ²/NDF: 16.5/16
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -337.224+/-313.223 χ²/NDF: 21.9/19
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -311.206+/-231.175 χ²/NDF: 38.5/36
In: -88.048+/-192.046 χ²/NDF:29.9/39
Out: -208.145+/-184.929 χ²/NDF:52.3/44
All: -150.363+/-133.210 χ²/NDF: 82.4/84

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 897.438+/-0.242 χ^2/NDF: 923973.2/16

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 826.239+/-0.221 χ^2/NDF: 1247549.3/19

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

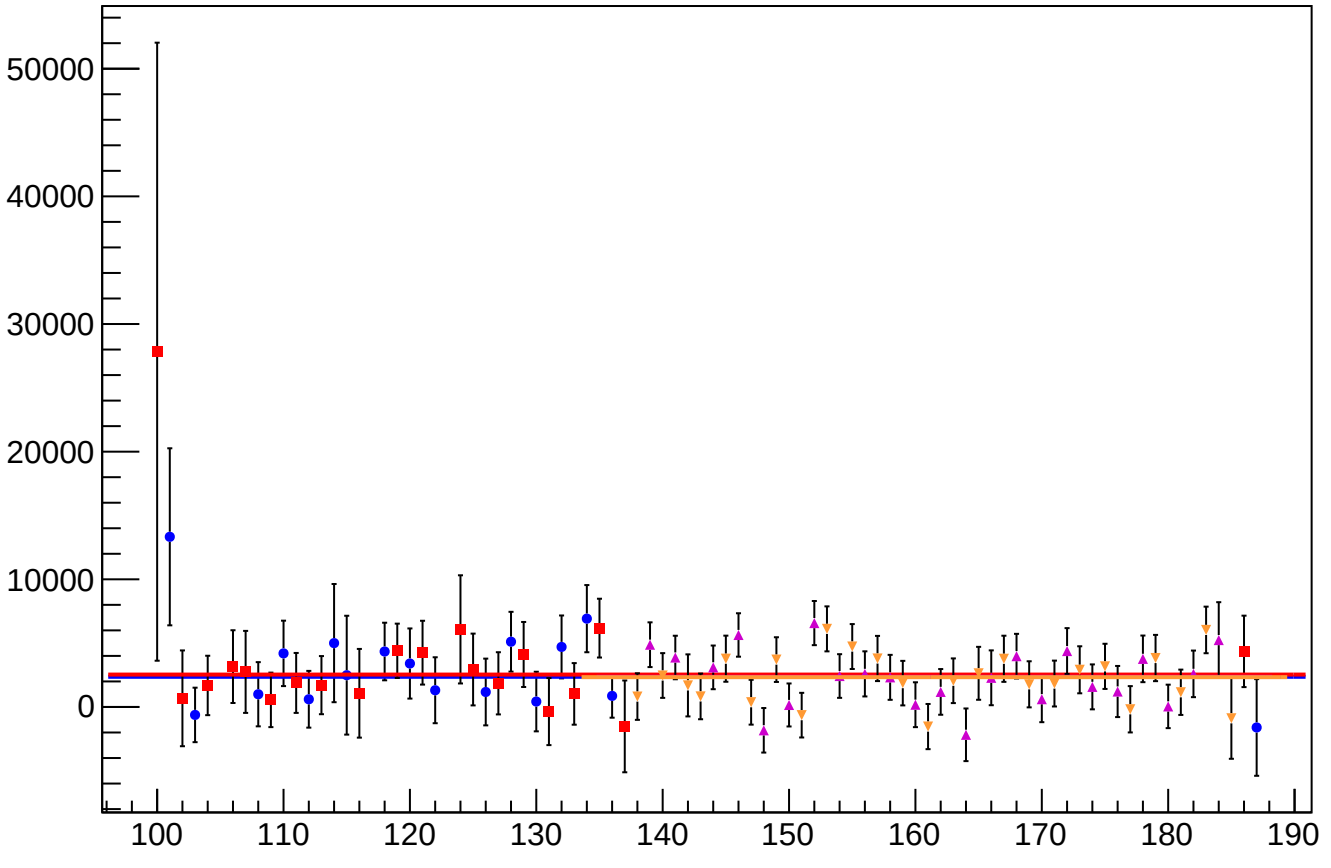
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 858.655+/-0.163 χ^2/NDF: 2218571.3/36

In: 944.822+/-0.136 χ^2/NDF:2582317.1/39

Out: 925.939+/-0.131 χ^2/NDF:3189341.3/44

All: 935.024+/-0.094 χ^2/NDF: 5781691.7/84



Right In: 2364.008+/-625.168 χ^2/NDF: 15.3/16

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2537.517+/-603.026 χ^2/NDF: 11.0/19

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

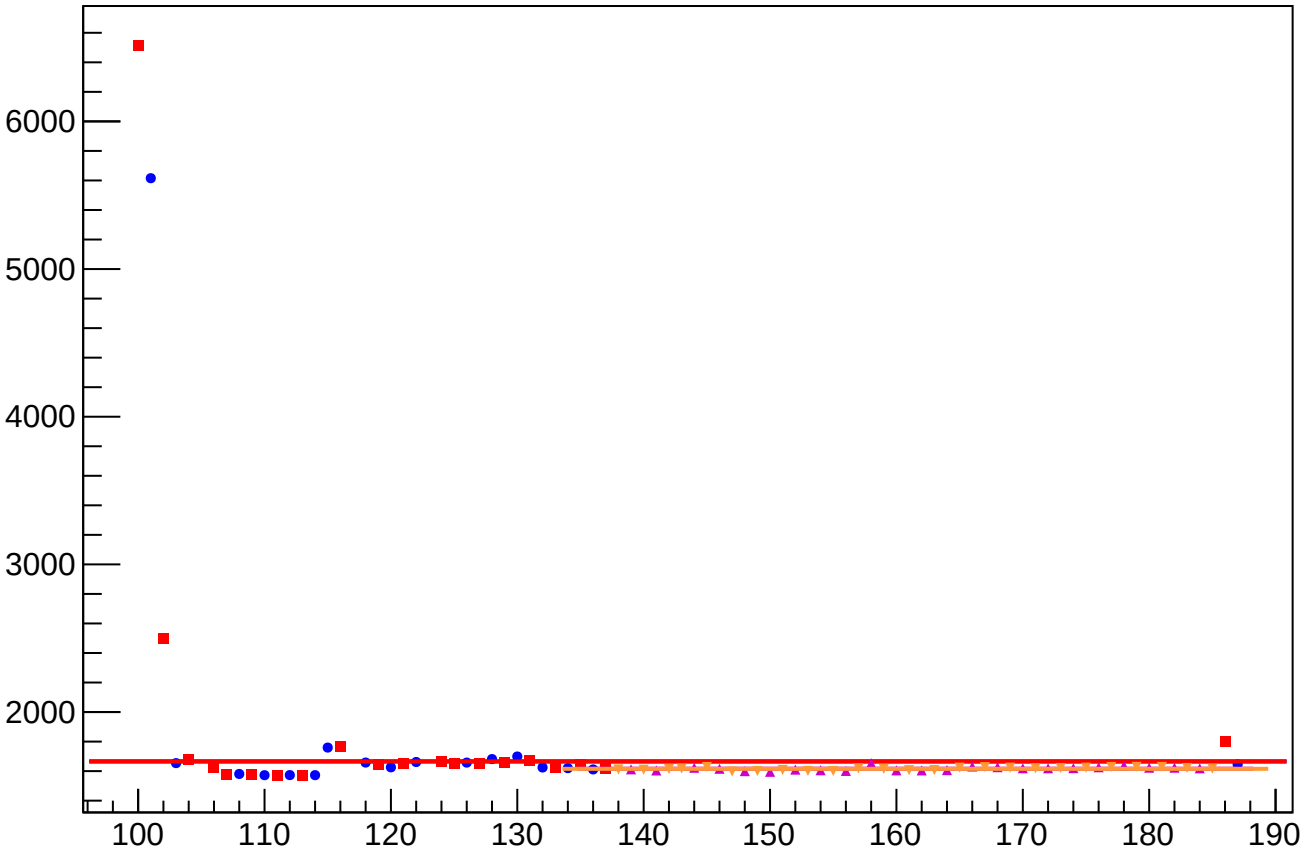
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2453.890+/-434.020 χ^2/NDF: 26.4/36

In: 2361.282+/-323.093 χ^2/NDF:49.3/39

Out: 2389.618+/-313.499 χ^2/NDF:39.3/44

All: 2375.877+/-224.992 χ^2/NDF: 88.7/84



Right In: 1665.835+/-0.442 χ^2/NDF: 662972.8/16

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1665.563+/-0.426 χ^2/NDF: 198082.6/19

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

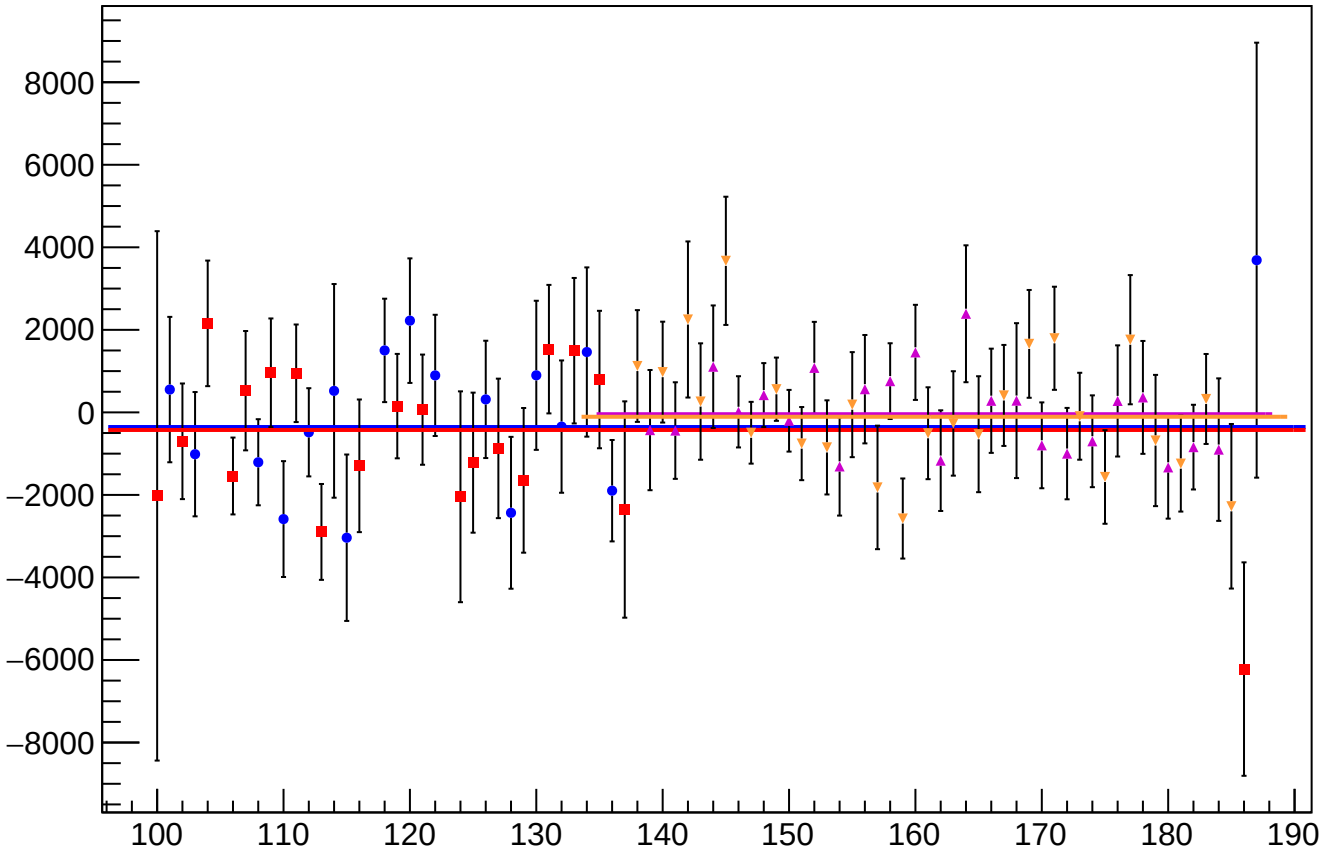
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1665.694+/-0.307 χ^2/NDF: 861055.7/36

In: 1629.575+/-0.228 χ^2/NDF:674710.5/39

Out: 1629.128+/-0.222 χ^2/NDF:209535.5/44

All: 1629.345+/-0.159 χ^2/NDF: 884248.0/84



Right In: -354.886+/-367.051 χ^2/NDF: 16.3/16

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -426.188+/-337.704 χ^2/NDF: 22.5/19

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

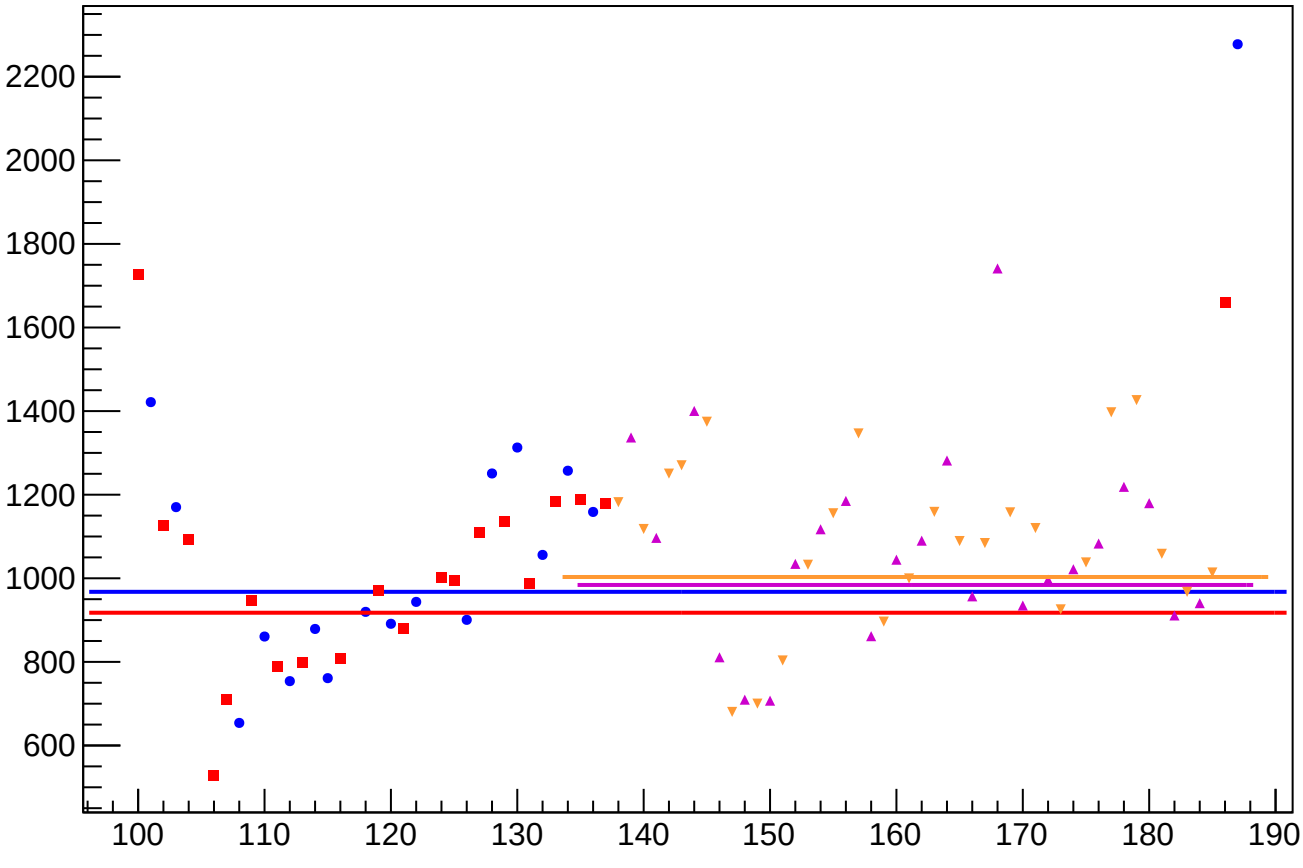
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -393.501+/-248.521 χ^2/NDF: 38.8/36

In: -135.116+/-198.350 χ^2/NDF:29.6/39

Out: -210.276+/-192.508 χ^2/NDF:52.1/44

All: -173.819+/-138.143 χ^2/NDF: 81.8/84



Right In: 967.628+/-0.260 χ^2/NDF: 816054.9/16

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 917.609+/-0.239 χ^2/NDF: 903998.4/19

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

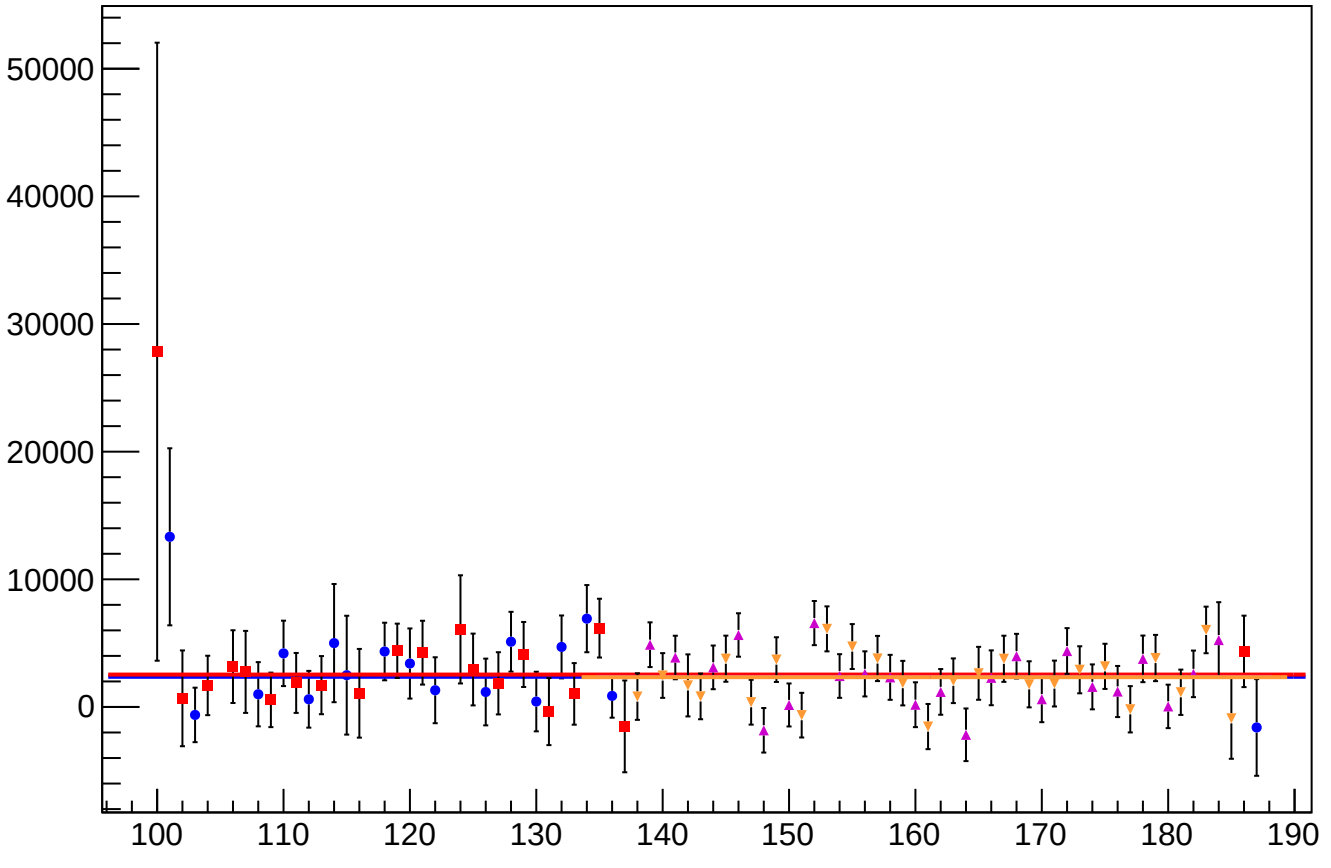
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 940.539+/-0.176 χ^2/NDF: 1740167.3/36

In: 979.257+/-0.140 χ^2/NDF:2378452.0/39

Out: 975.320+/-0.136 χ^2/NDF:2588938.6/44

All: 977.229+/-0.098 χ^2/NDF: 4967796.3/84



Right In: 2364.008+/-625.168 χ^2/NDF: 15.3/16

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2537.516+/-603.026 χ^2/NDF: 11.0/19

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

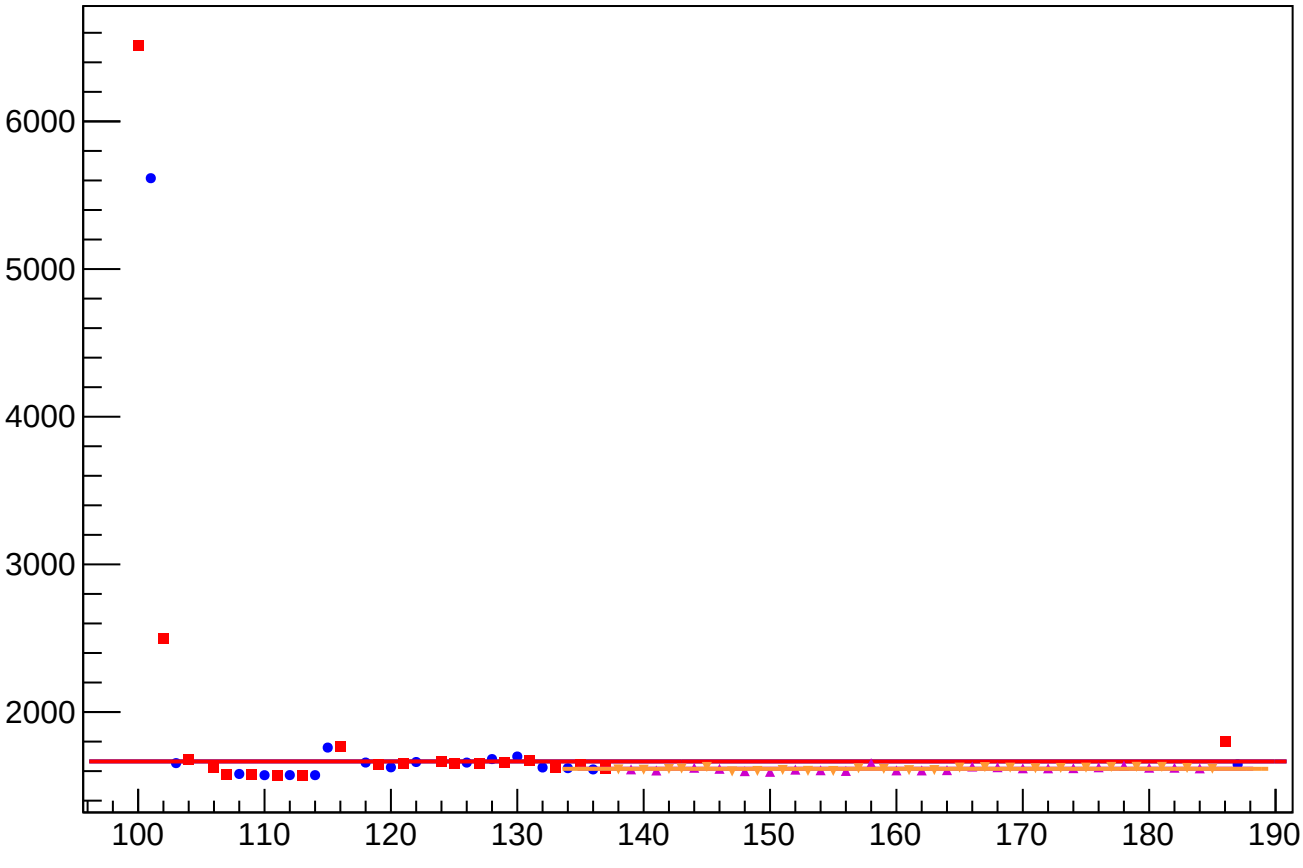
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2453.889+/-434.020 χ^2/NDF: 26.4/36

In: 2361.282+/-323.093 χ^2/NDF:49.3/39

Out: 2389.617+/-313.499 χ^2/NDF:39.3/44

All: 2375.877+/-224.992 χ^2/NDF: 88.7/84



Right In: 1665.835+/-0.442 χ^2/NDF: 662972.9/16

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1665.563+/-0.426 χ^2/NDF: 198082.5/19

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

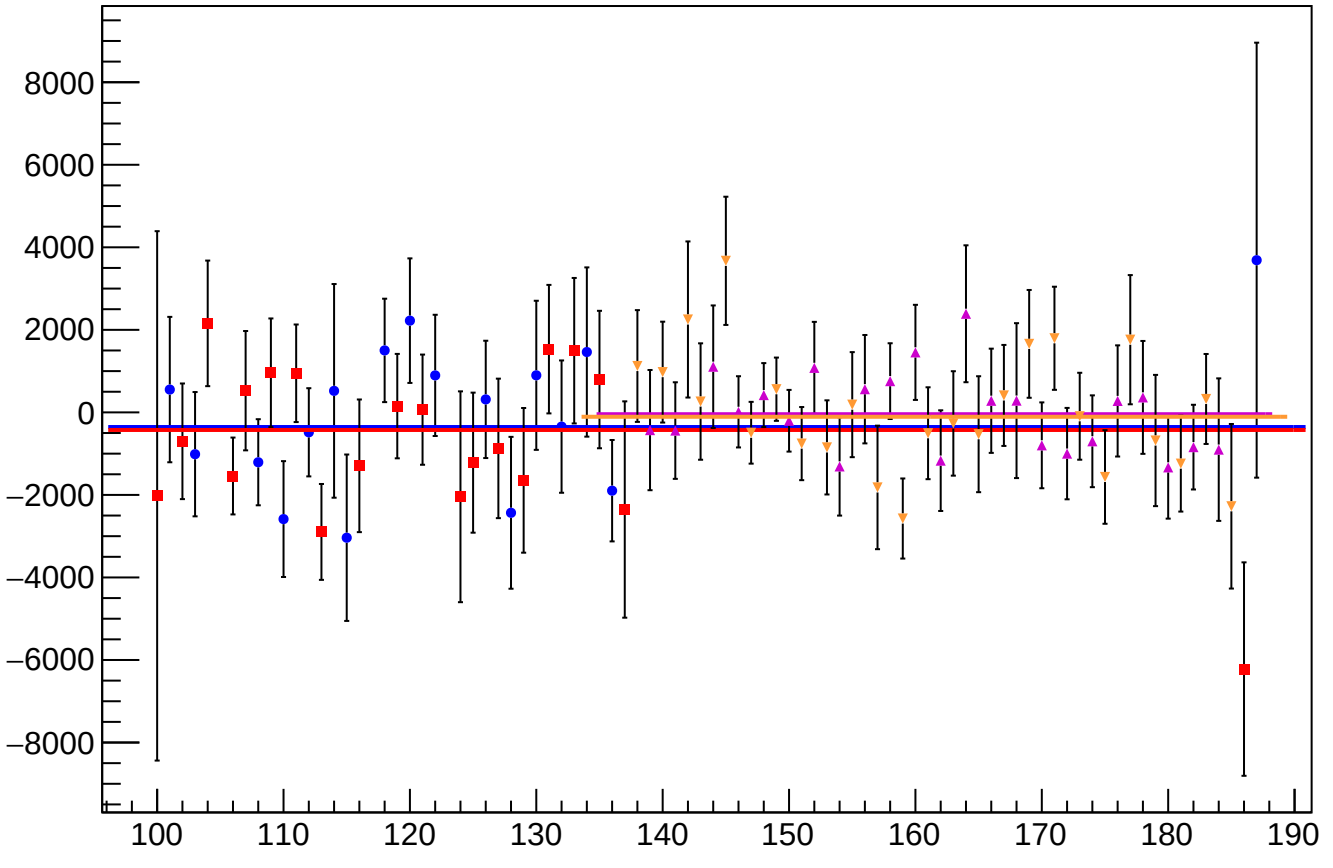
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1665.694+/-0.307 χ^2/NDF: 861055.6/36

In: 1629.575+/-0.228 χ^2/NDF:674710.5/39

Out: 1629.128+/-0.222 χ^2/NDF:209535.3/44

All: 1629.345+/-0.159 χ^2/NDF: 884247.8/84



Right In: -354.884+/-367.050 χ^2/NDF: 16.3/16

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -426.185+/-337.703 χ^2/NDF: 22.5/19

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

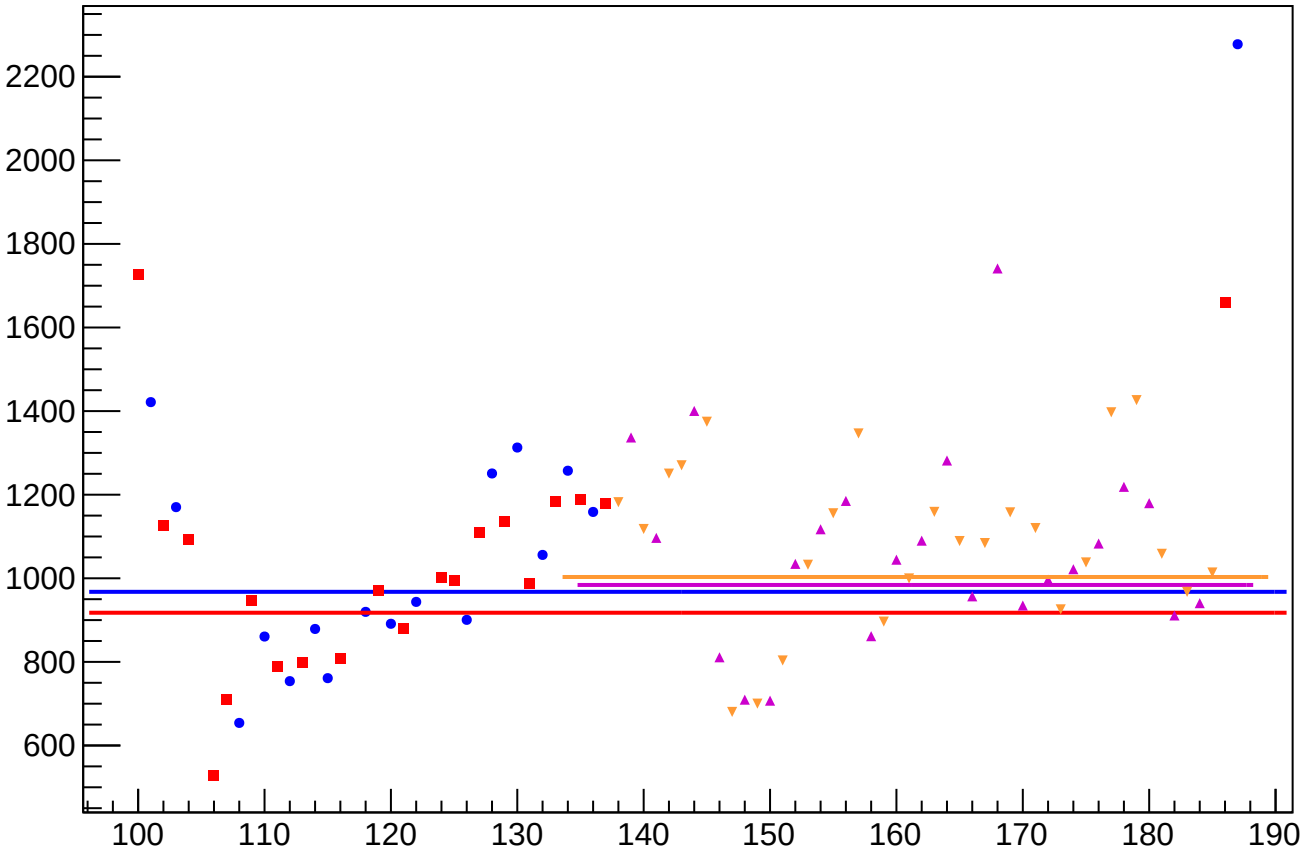
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -393.499+/-248.520 χ^2/NDF: 38.8/36

In: -135.116+/-198.350 χ^2/NDF:29.6/39

Out: -210.277+/-192.508 χ^2/NDF:52.1/44

All: -173.819+/-138.143 χ^2/NDF: 81.8/84



Right In: 967.624+/-0.260 χ^2/NDF: 816063.8/16

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 917.606+/-0.239 χ^2/NDF: 903998.5/19

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

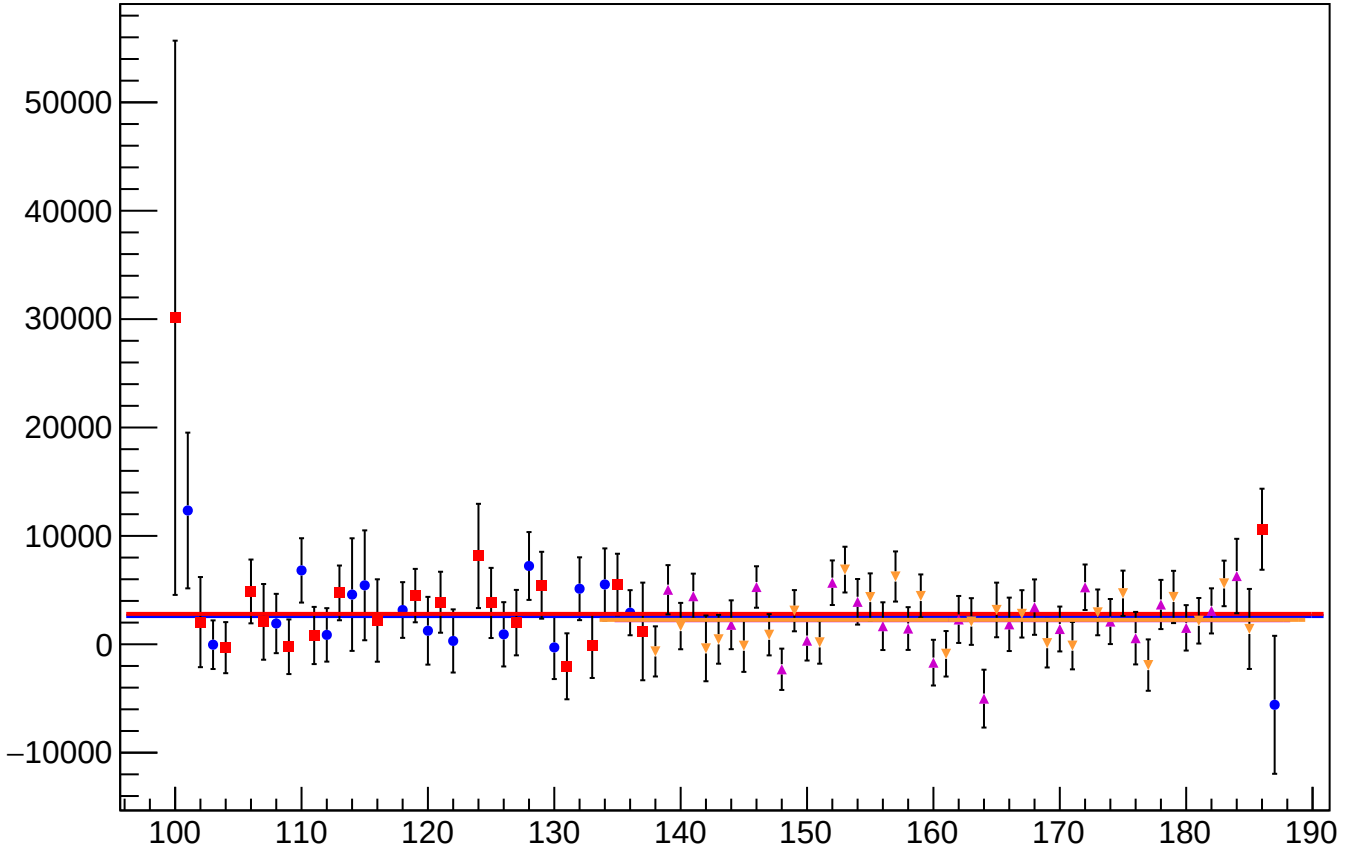
Right: 940.536+/-0.176 χ^2/NDF: 1740175.3/36

In: 979.257+/-0.140 χ^2/NDF:2378465.1/39

Out: 975.320+/-0.136 χ^2/NDF:2588950.5/44

All: 977.230+/-0.098 χ^2/NDF: 4967821.3/84

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2602.218+/-730.235 χ^2/NDF: 13.8/16

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 2804.385+/-694.165 χ^2/NDF: 17.8/19

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

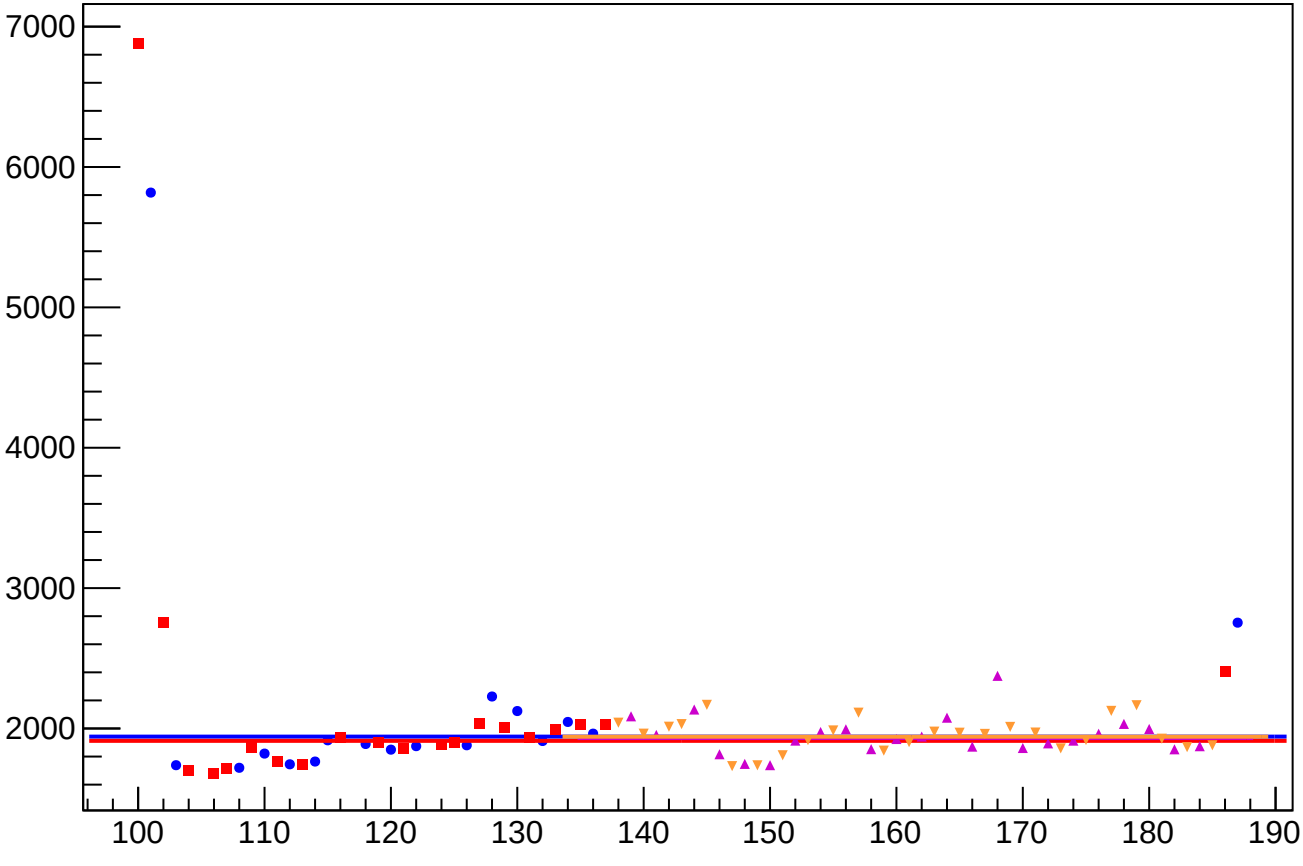
Right: 2708.417+/-503.117 χ^2/NDF: 31.6/36

In: 2325.540+/-384.508 χ^2/NDF:45.5/39

Out: 2411.729+/-372.963 χ^2/NDF:46.5/44

All: 2369.948+/-267.713 χ^2/NDF: 92.1/84

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1942.077+/-0.516 χ^2/NDF: 694191.3/16

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 1911.938+/-0.491 χ^2/NDF: 256505.6/19

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

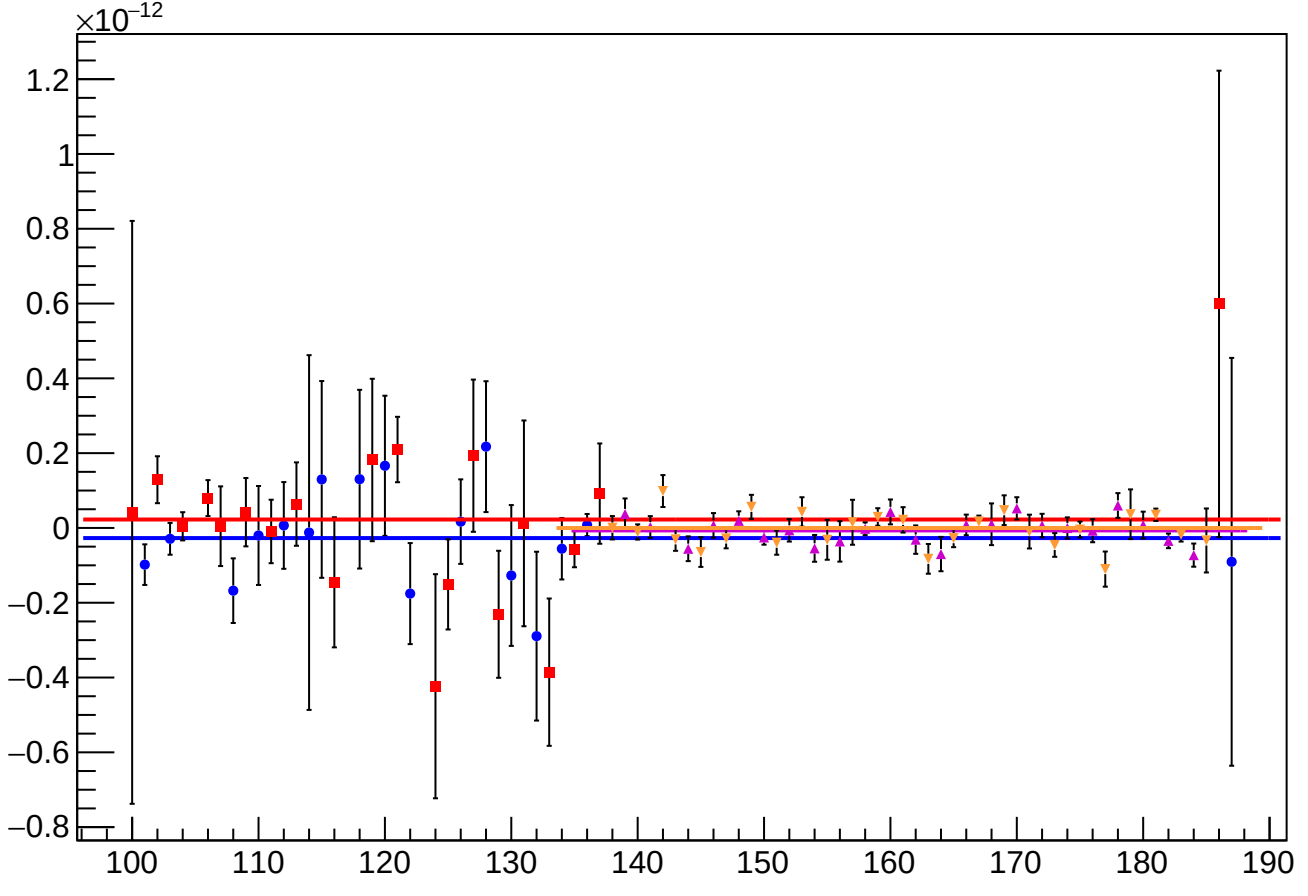
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 1926.244+/-0.356 χ^2/NDF: 952486.5/36

In: 1934.658+/-0.272 χ^2/NDF:854353.8/39

Out: 1933.025+/-0.264 χ^2/NDF:398111.7/44

All: 1933.817+/-0.189 χ^2/NDF: 1252484.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/19

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

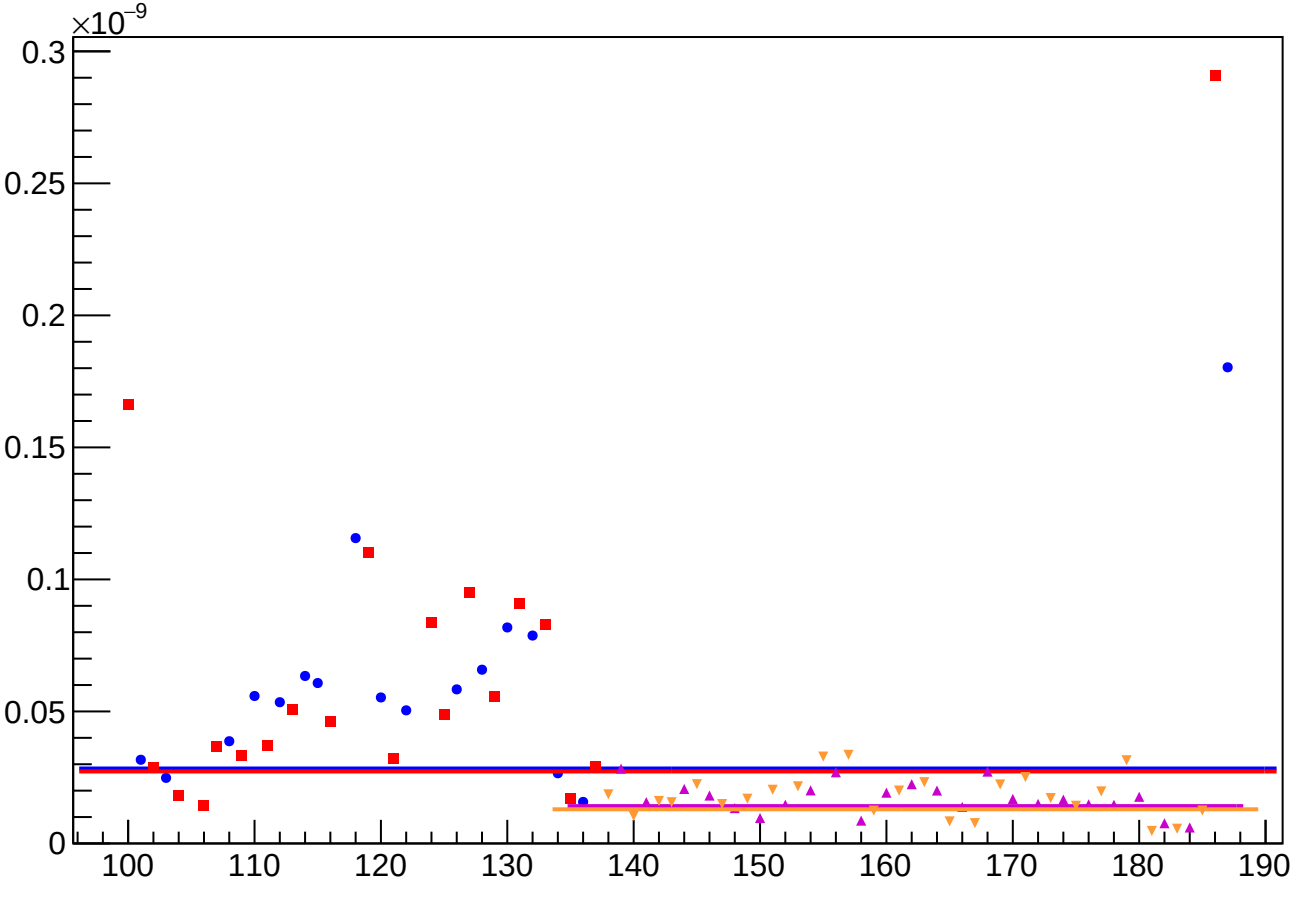
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 42.3/36

In: -0.000+/-0.000 χ^2/NDF:41.3/39

Out: 0.000+/-0.000 χ^2/NDF:67.9/44

All: -0.000+/-0.000 χ^2/NDF: 110.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 1646065.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1913372.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

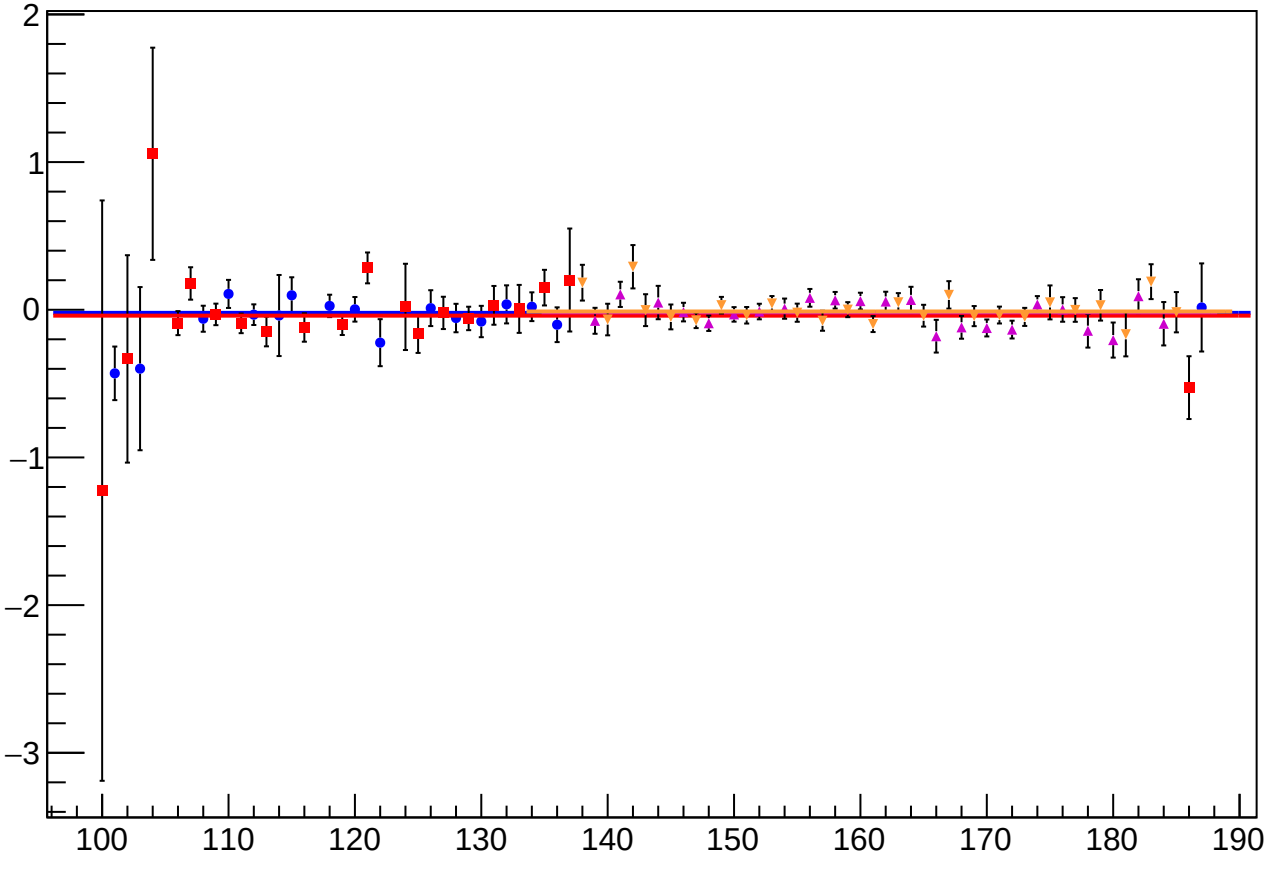
Right: 0.000+/-0.000 χ^2/NDF: 3562829.5/36

In: 0.000+/-0.000 χ^2/NDF:4172737.2/39

Out: 0.000+/-0.000 χ^2/NDF:5749215.8/44

All: 0.000+/-0.000 χ^2/NDF: 9982948.7/84

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.040+/-0.024 χ^2/NDF: 29.7/19

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

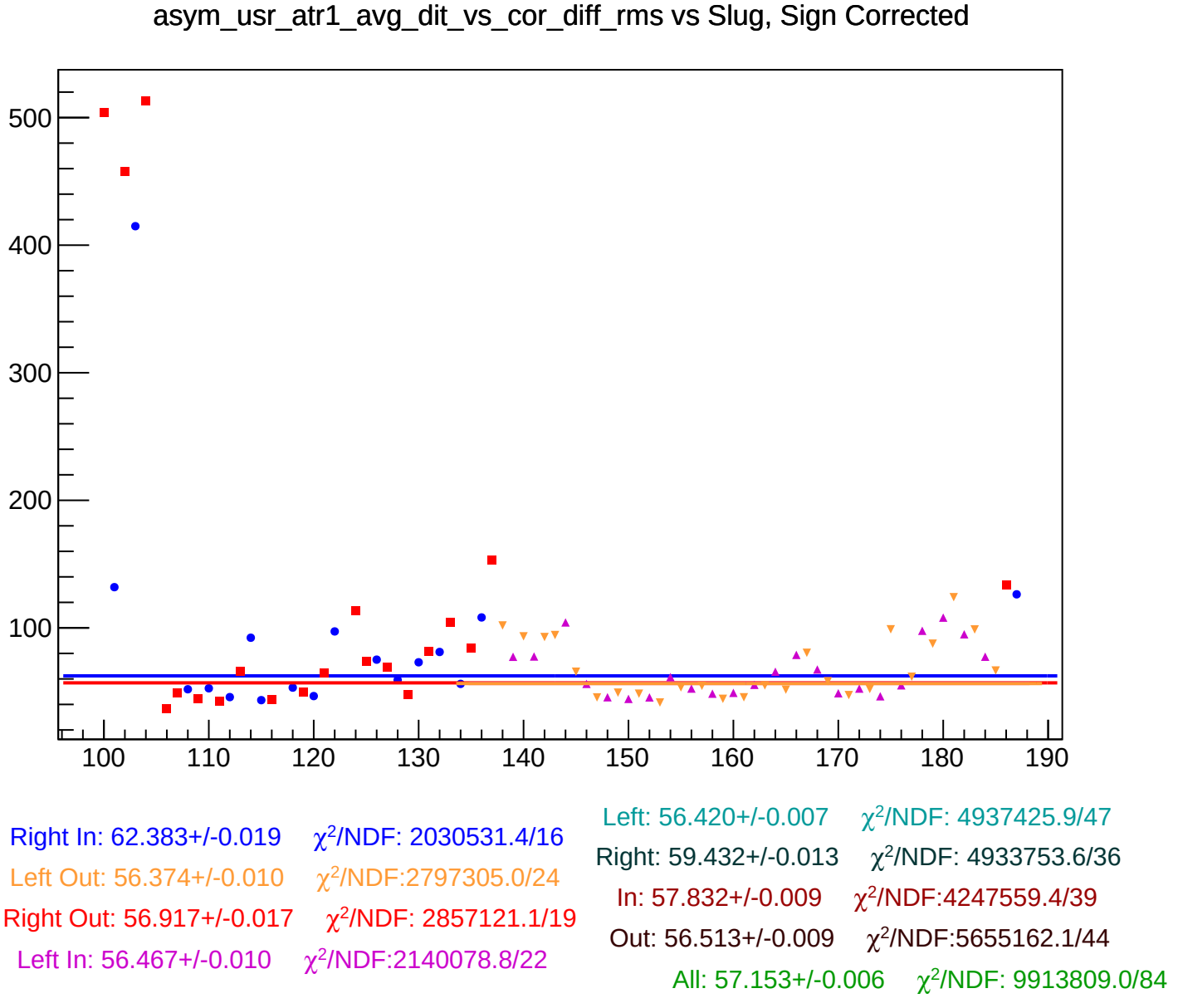
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.031+/-0.018 χ^2/NDF: 42.0/36

In: -0.018+/-0.013 χ^2/NDF:42.7/39

Out: -0.019+/-0.012 χ^2/NDF:52.5/44

All: -0.019+/-0.009 χ^2/NDF: 95.2/84


asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
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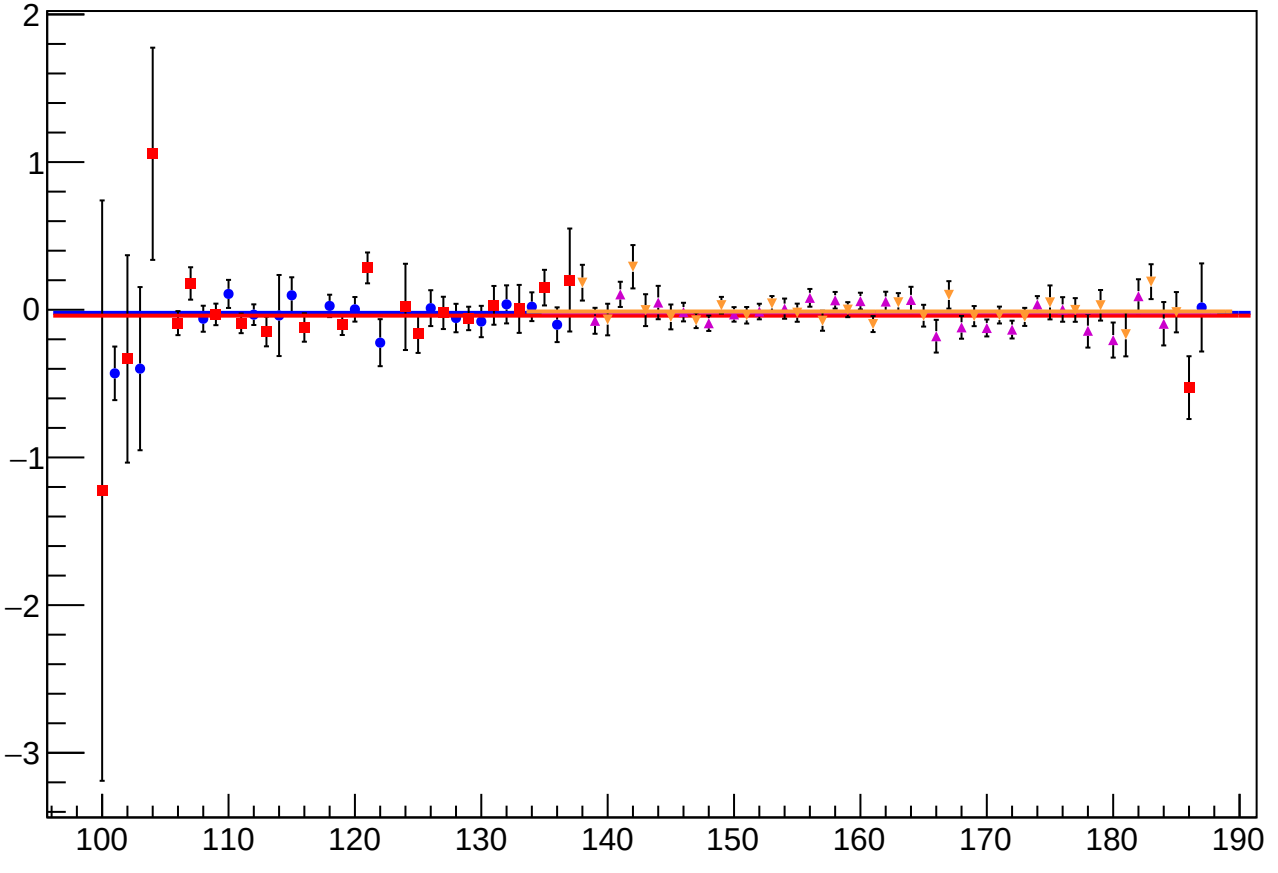
170
180
190
Right In: 62.383+/-0.019 χ²/NDF: 2030531.4/16
Left Out: 56.374+/-0.010 χ²/NDF:2797305.0/24
Right Out: 56.917+/-0.017 χ²/NDF: 2857121.1/19
Left In: 56.467+/-0.010 χ²/NDF:2140078.8/22
Left: 56.420+/-0.007 χ²/NDF: 4937425.9/47
Right: 59.432+/-0.013 χ²/NDF: 4933753.6/36
In: 57.832+/-0.009 χ²/NDF:4247559.4/39
Out: 56.513+/-0.009 χ²/NDF:5655162.1/44
All: 57.153+/-0.006 χ²/NDF: 9913809.0/84

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.040+/-0.024 χ^2/NDF: 29.7/19

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

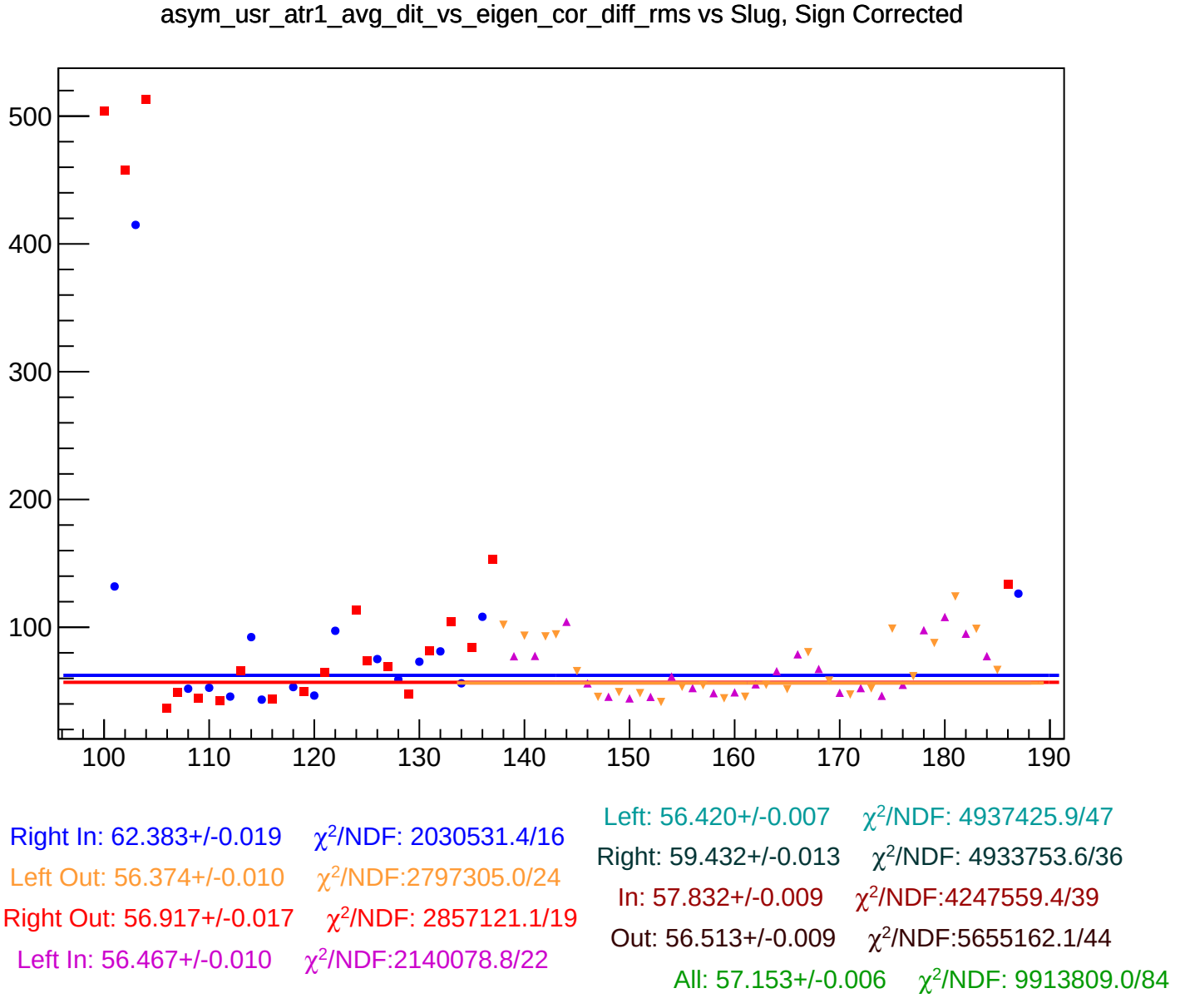
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.031+/-0.018 χ^2/NDF: 42.0/36

In: -0.018+/-0.013 χ^2/NDF:42.7/39

Out: -0.019+/-0.012 χ^2/NDF:52.5/44

All: -0.019+/-0.009 χ^2/NDF: 95.2/84


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
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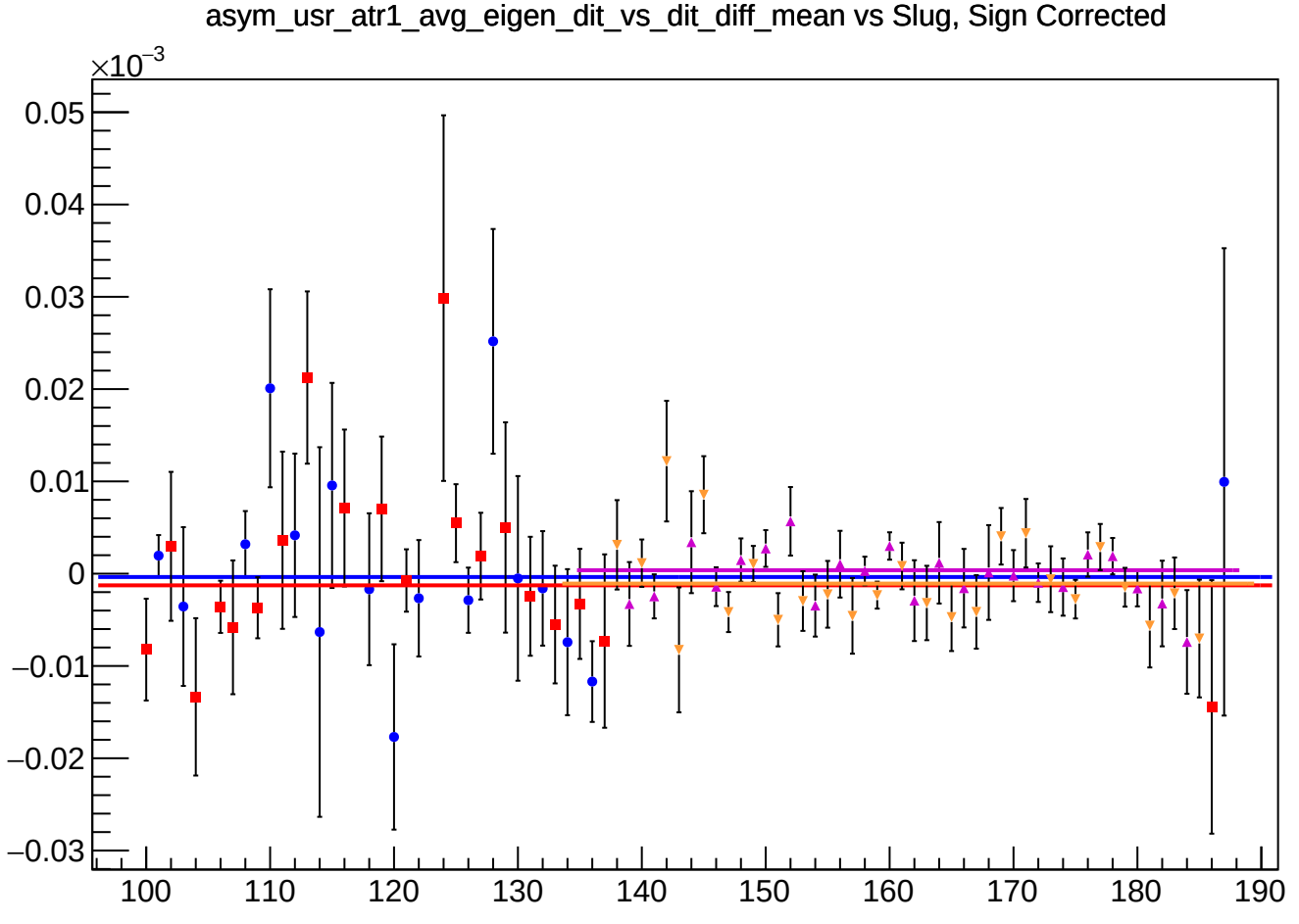
Right In: 62.383+/-0.019 χ2/NDF: 2030531.4/16
Left Out: 56.374+/-0.010 χ2/NDF:2797305.0/24
Right Out: 56.917+/-0.017 χ2/NDF: 2857121.1/19
Left In: 56.467+/-0.010 χ2/NDF:2140078.8/22
Left: 56.420+/-0.007 χ2/NDF: 4937425.9/47
Right: 59.432+/-0.013 χ2/NDF: 4933753.6/36
In: 57.832+/-0.009 χ2/NDF:4247559.4/39
Out: 56.513+/-0.009 χ2/NDF:5655162.1/44
All: 57.153+/-0.006 χ2/NDF: 9913809.0/84



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/19

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

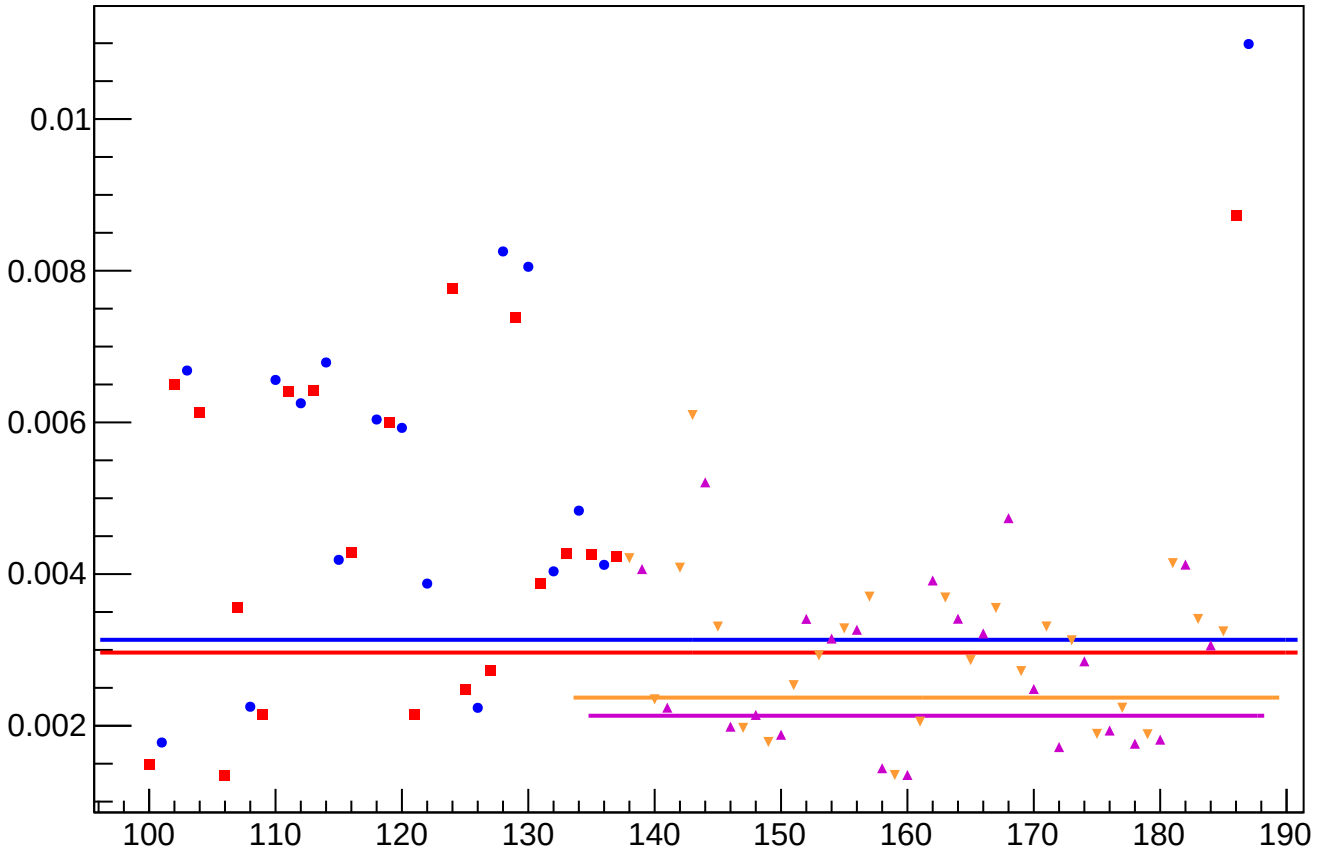
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 44.4/36

In: 0.000+/-0.000 χ^2/NDF:40.5/39

Out: -0.000+/-0.000 χ^2/NDF:52.9/44

All: -0.000+/-0.000 χ^2/NDF: 97.0/84



Right In: 0.003+/-0.000 χ^2/NDF: 3476971.0/16

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3649791.5/19

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

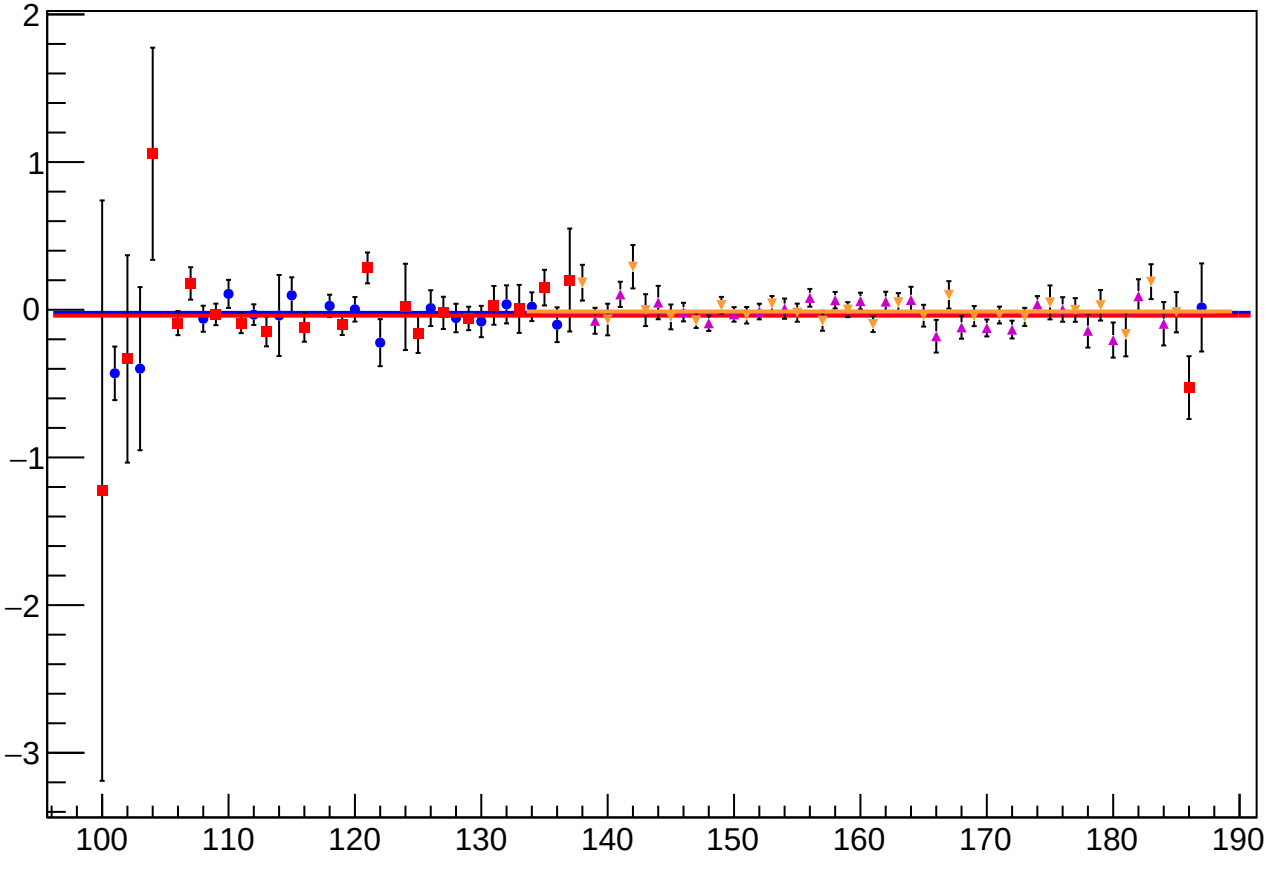
Right: 0.003+/-0.000 χ^2/NDF: 7143825.6/36

In: 0.002+/-0.000 χ^2/NDF:8972646.3/39

Out: 0.002+/-0.000 χ^2/NDF:8182774.2/44

All: 0.002+/-0.000 χ^2/NDF: 17314308.2/84

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.040+/-0.024 χ^2/NDF: 29.7/19

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

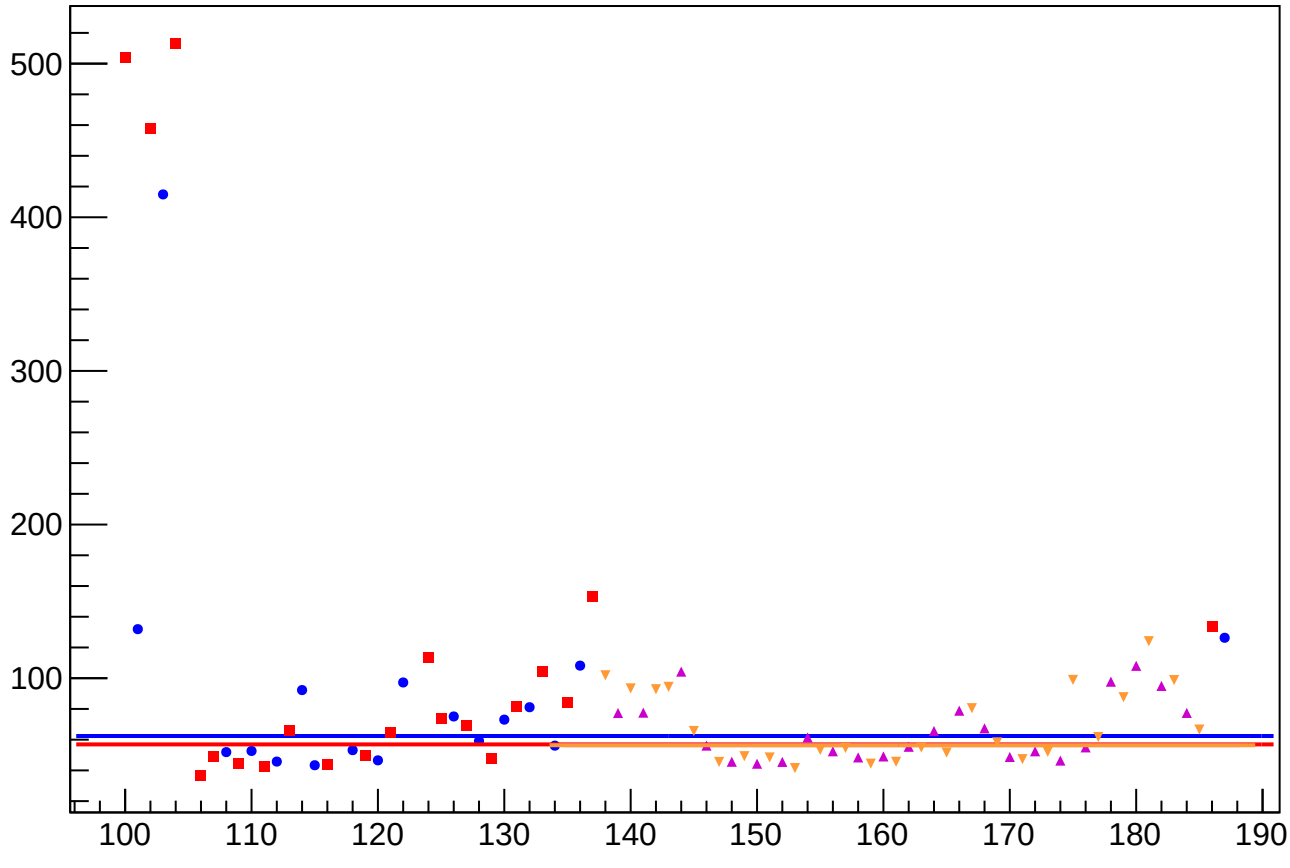
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.031+/-0.018 χ^2/NDF: 42.0/36

In: -0.018+/-0.013 χ^2/NDF:42.7/39

Out: -0.019+/-0.012 χ^2/NDF:52.5/44

All: -0.019+/-0.009 χ^2/NDF: 95.2/84



Right In: 62.382+/-0.019 χ^2/NDF: 2030496.2/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 56.916+/-0.017 χ^2/NDF: 2857097.5/19

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

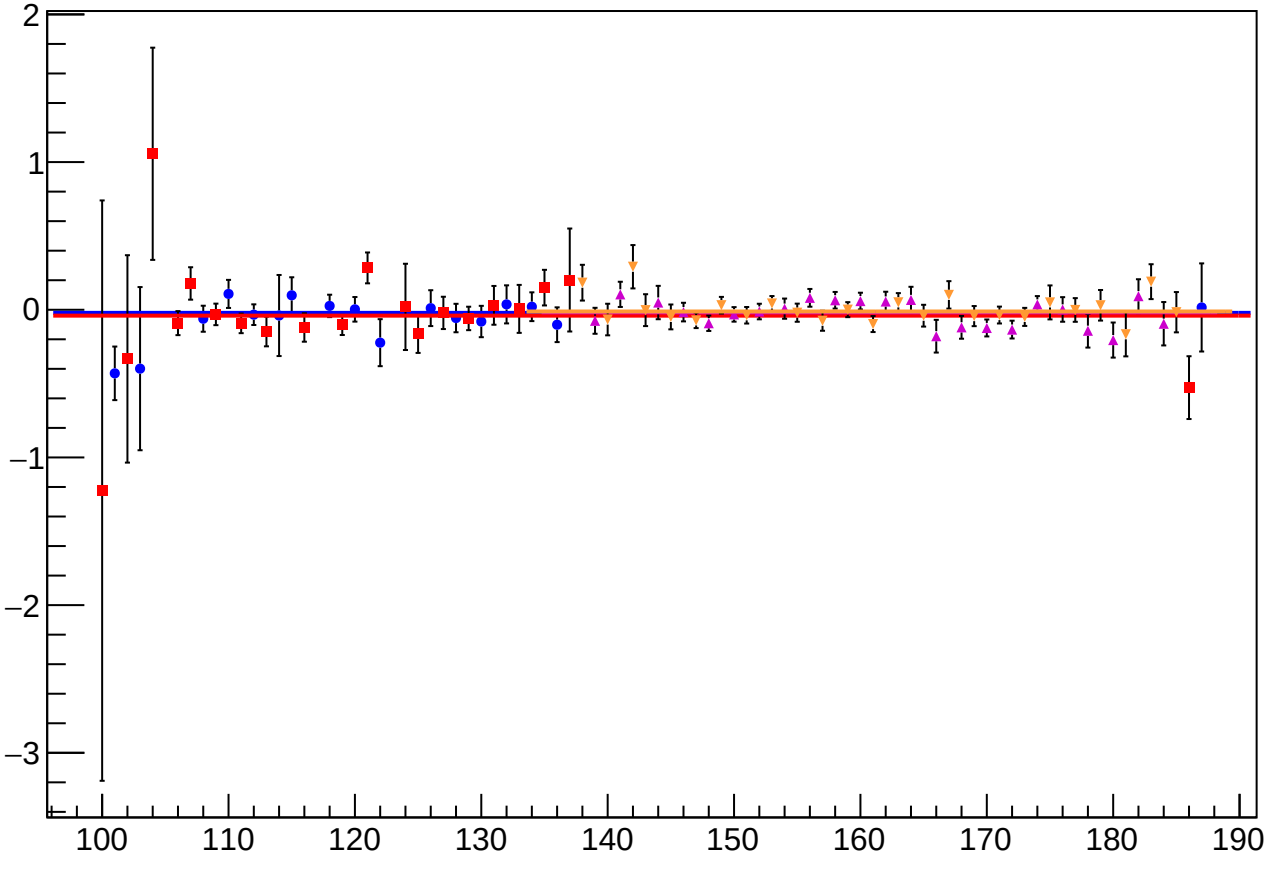
Right: 59.431+/-0.013 χ^2/NDF: 4933698.6/36

In: 57.832+/-0.009 χ^2/NDF:4247489.3/39

Out: 56.512+/-0.009 χ^2/NDF:5655210.8/44

All: 57.153+/-0.006 χ^2/NDF: 9913788.0/84

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.040+/-0.024 χ^2/NDF: 29.7/19

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

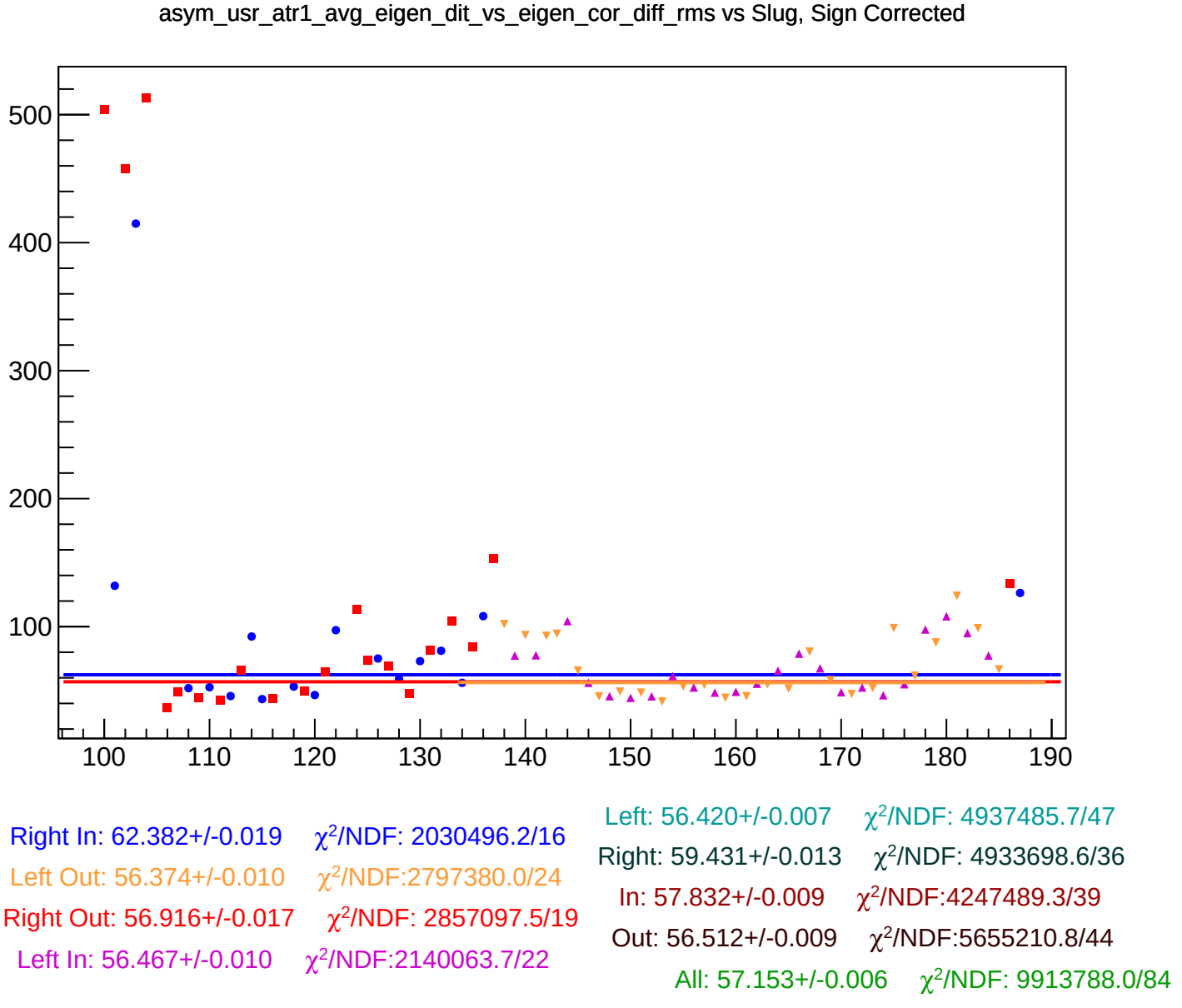
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.031+/-0.018 χ^2/NDF: 42.0/36

In: -0.018+/-0.013 χ^2/NDF:42.7/39

Out: -0.019+/-0.012 χ^2/NDF:52.5/44

All: -0.019+/-0.009 χ^2/NDF: 95.2/84


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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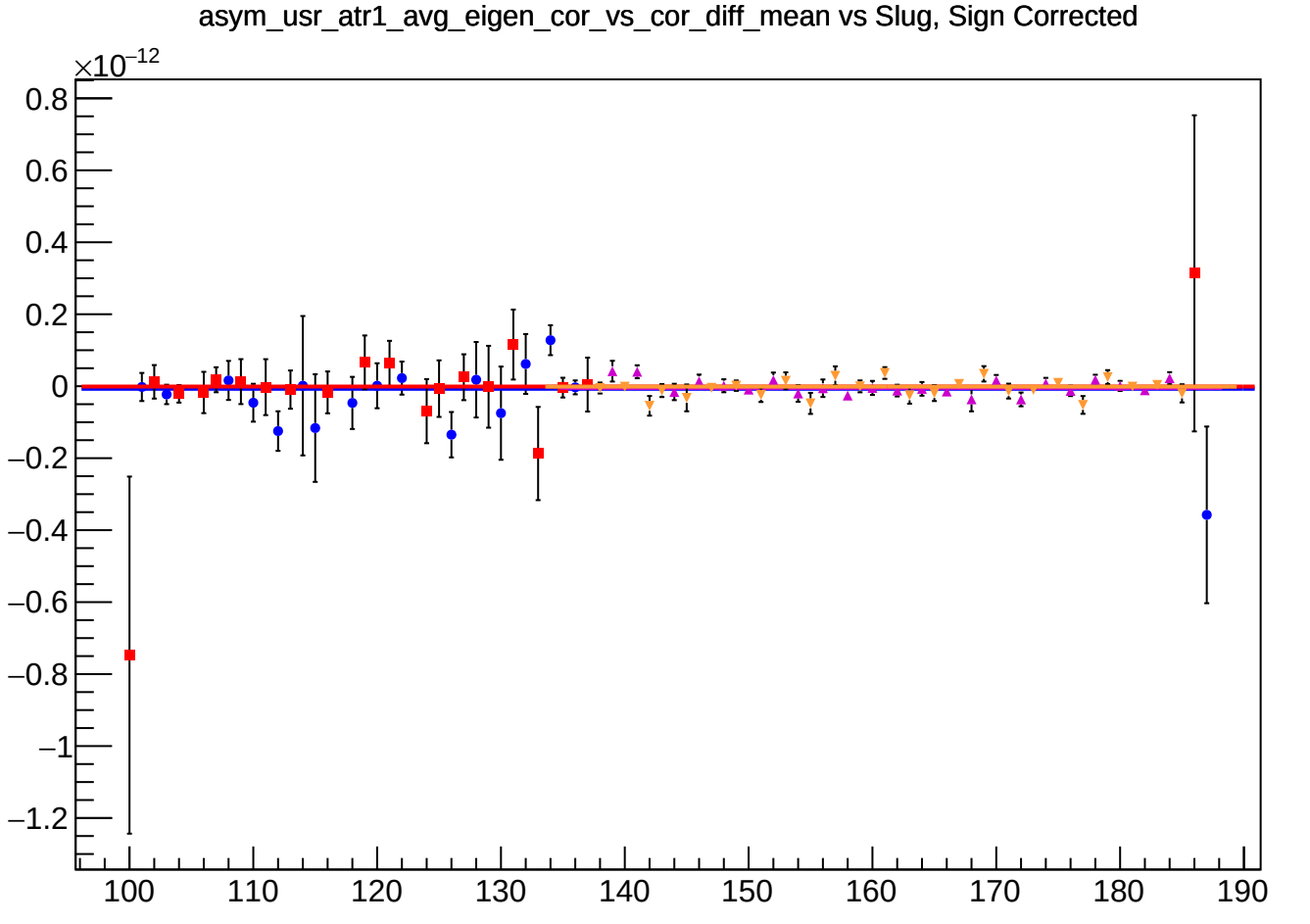
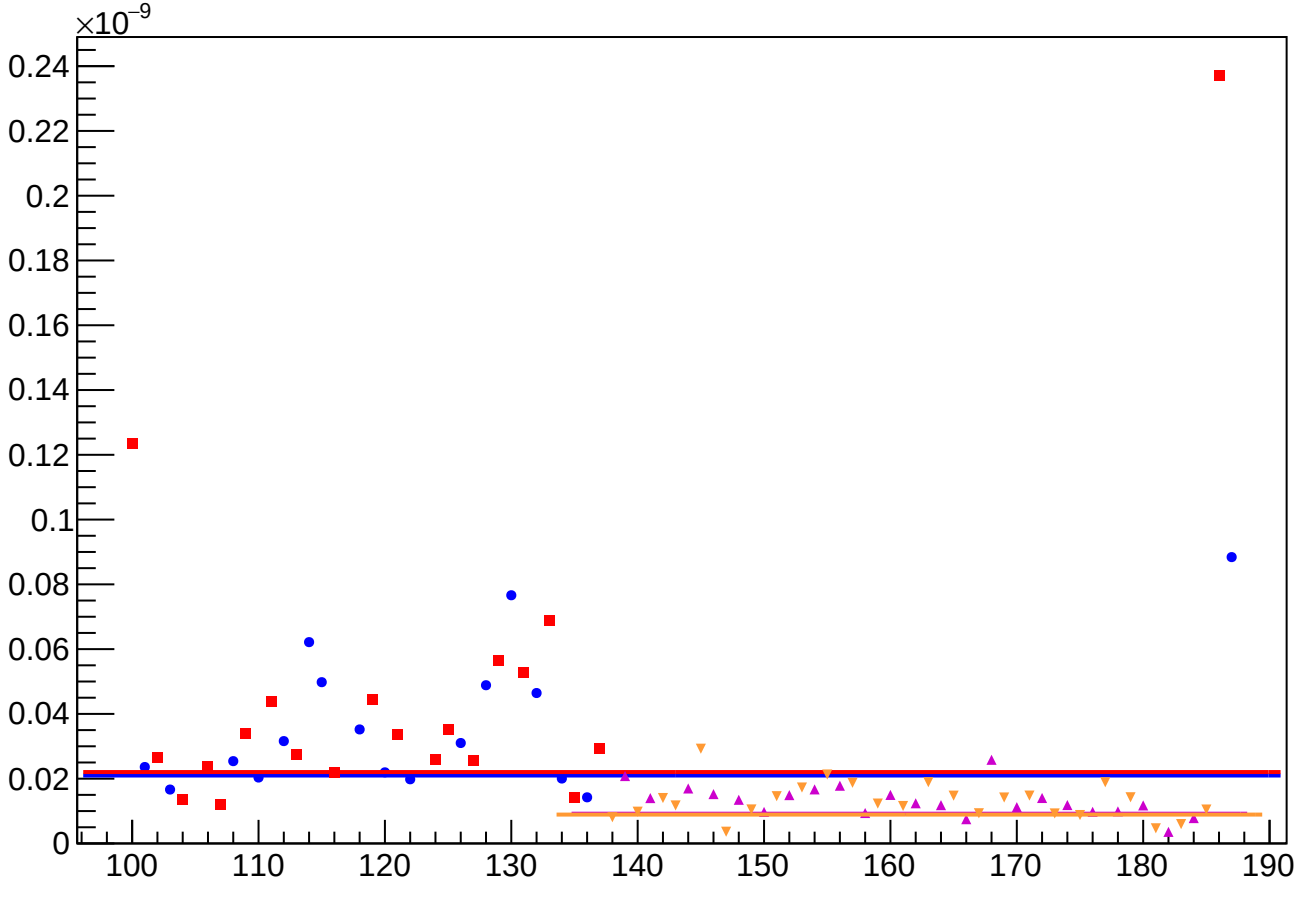
Right In: 62.382+/-0.019 χ2/NDF: 2030496.2/16
Left Out: 56.374+/-0.010 χ2/NDF:2797380.0/24
Right Out: 56.916+/-0.017 χ2/NDF: 2857097.5/19
Left In: 56.467+/-0.010 χ2/NDF:2140063.7/22
Left: 56.420+/-0.007 χ2/NDF: 4937485.7/47
Right: 59.431+/-0.013 χ2/NDF: 4933698.6/36
In: 57.832+/-0.009 χ2/NDF:4247489.3/39
Out: 56.512+/-0.009 χ2/NDF:5655210.8/44
All: 57.153+/-0.006 χ2/NDF: 9913788.0/84


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 24.6/16
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 10.2/19
Left In: -0.000+/-0.000 χ²/NDF:28.4/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 35.0/36
In: -0.000+/-0.000 χ²/NDF:53.1/39
Out: -0.000+/-0.000 χ²/NDF:39.8/44
All: -0.000+/-0.000 χ²/NDF: 93.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 1535823.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2386030.8/19

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

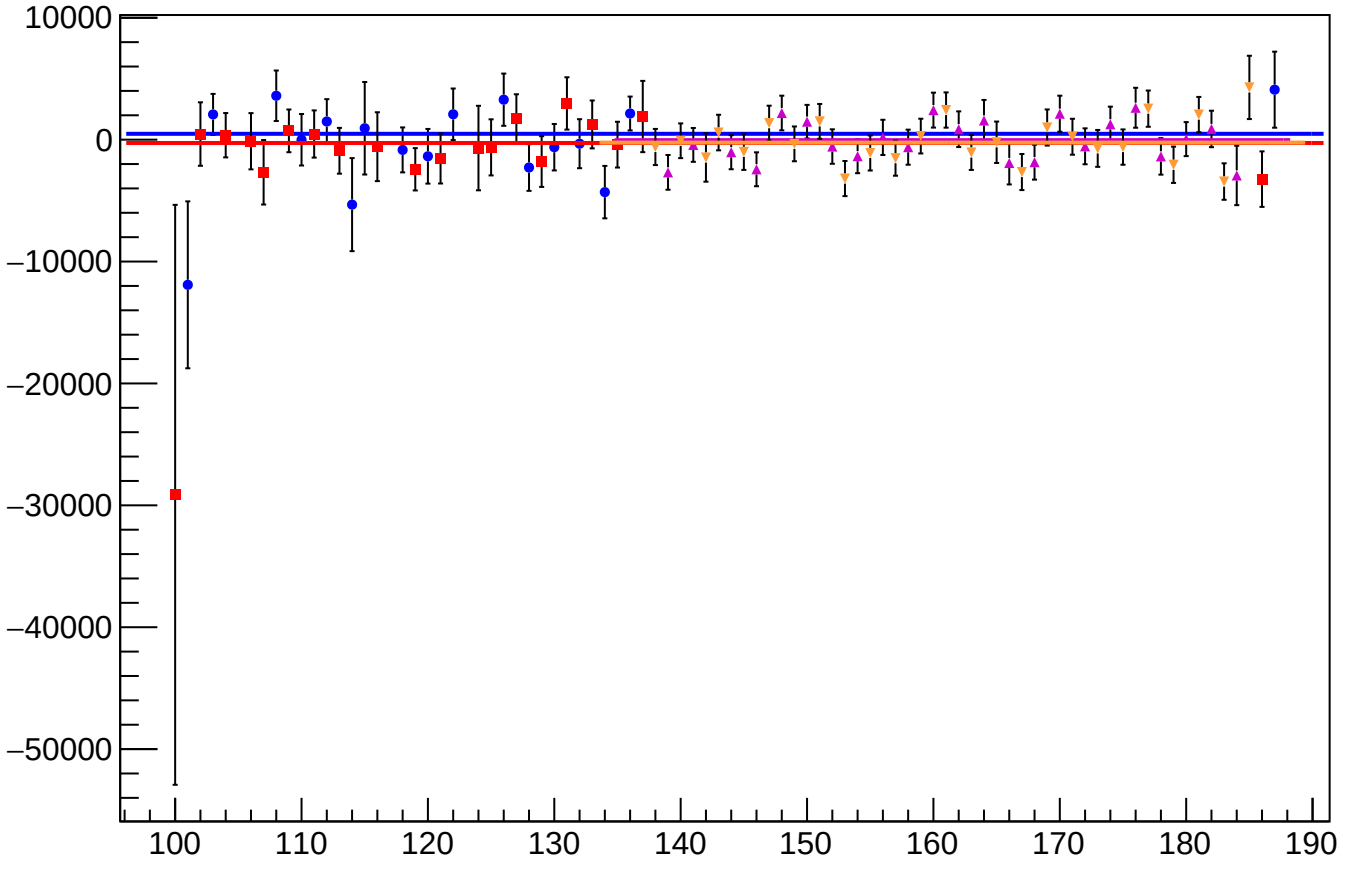
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 3930401.4/36

In: 0.000+/-0.000 χ^2/NDF:8658436.8/39

Out: 0.000+/-0.000 χ^2/NDF:9739083.4/44

All: 0.000+/-0.000 χ^2/NDF: 18409049.4/84



Right In: 481.143+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -271.600+/-489.281 χ^2/NDF: 11.8/19

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

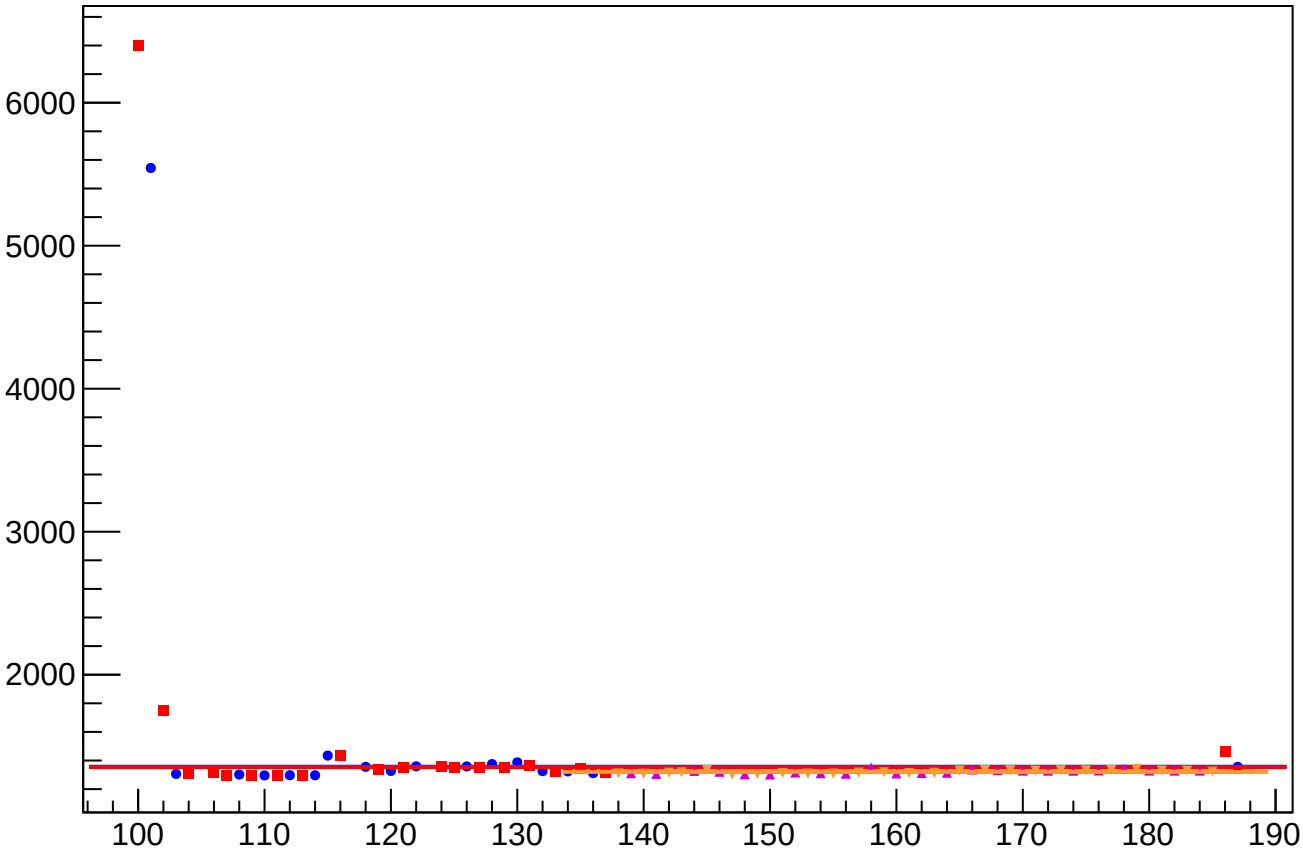
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: 88.583+/-353.336 χ^2/NDF: 35.8/36

In: 100.011+/-264.151 χ^2/NDF:50.8/39

Out: -249.269+/-255.758 χ^2/NDF:43.5/44

All: -80.266+/-183.744 χ^2/NDF: 95.2/84



Right In: 1356.376+/-0.361 χ^2/NDF: 760266.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1354.311+/-0.346 χ^2/NDF: 152178.3/19

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

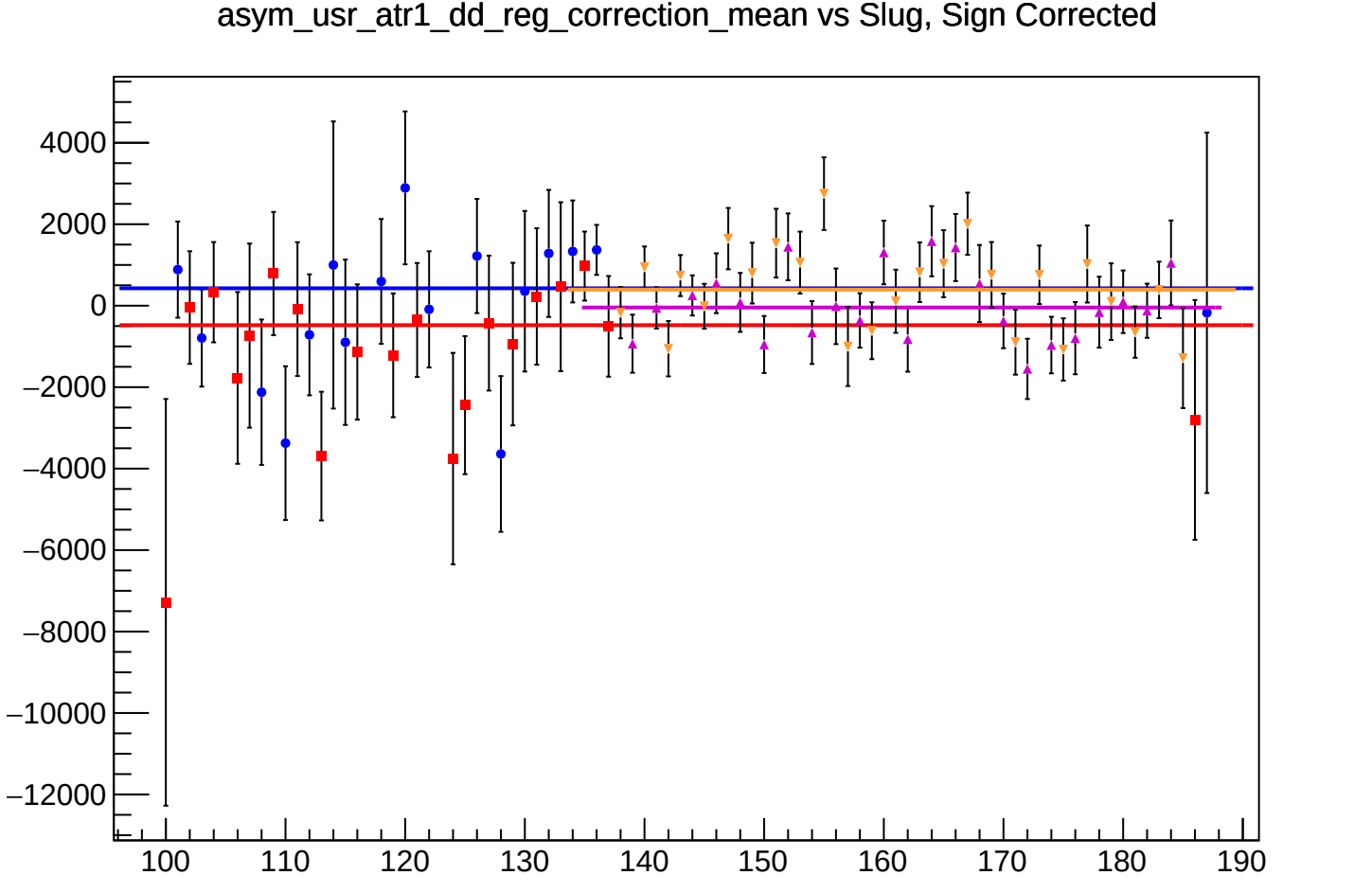
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1355.299+/-0.250 χ^2/NDF: 912461.8/36

In: 1331.034+/-0.187 χ^2/NDF:770539.7/39

Out: 1329.913+/-0.181 χ^2/NDF:161623.4/44

All: 1330.455+/-0.130 χ^2/NDF: 932181.7/84



Right In: 426.844+/-337.473 χ^2/NDF: 18.3/16

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -478.504+/-353.027 χ^2/NDF: 15.0/19

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

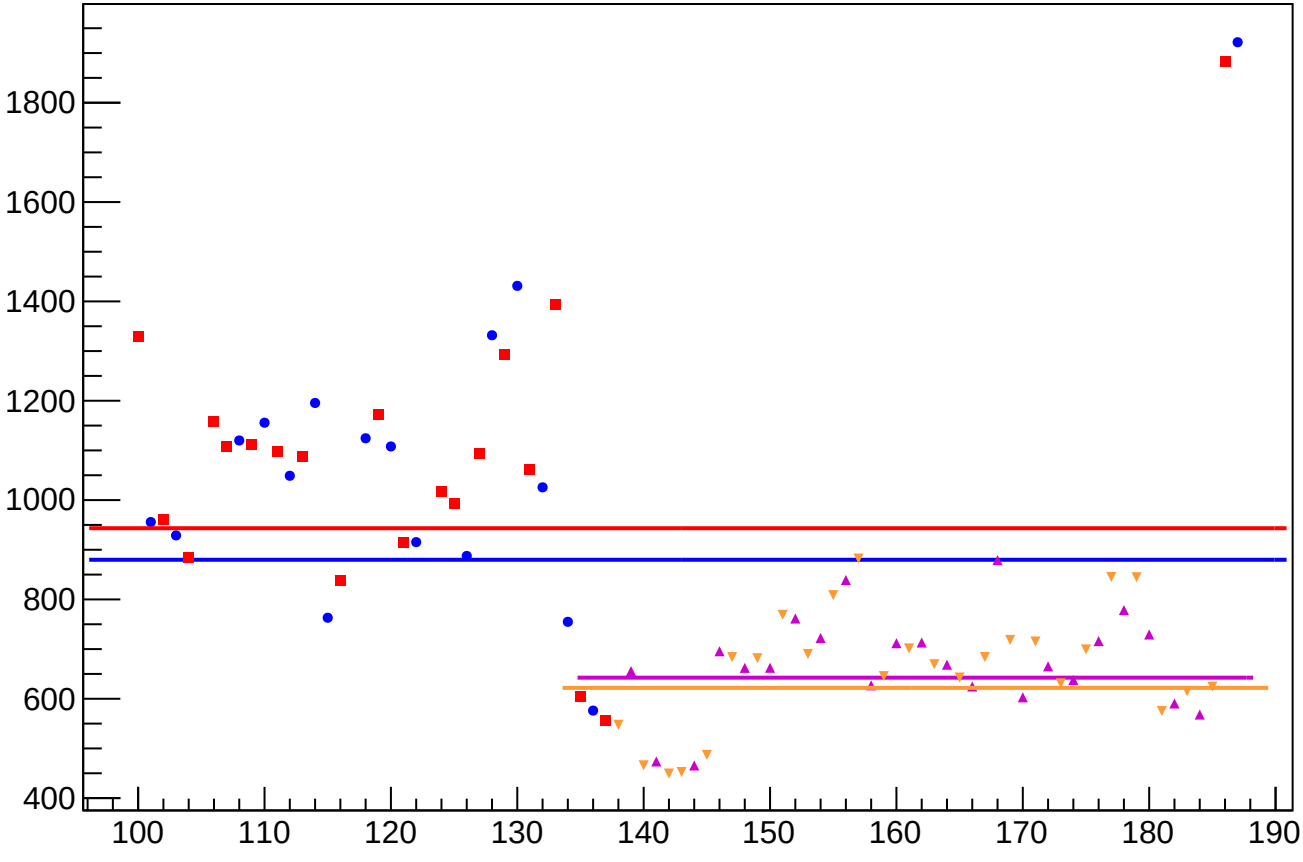
Right: -5.447+/-243.943 χ^2/NDF: 36.7/36

In: 35.052+/-138.843 χ^2/NDF:47.5/39

Out: 269.176+/-133.780 χ^2/NDF:62.1/44

All: 156.461+/-96.337 χ^2/NDF: 111.0/84

asym_usr_atr1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 879.830+/-0.239 χ^2/NDF: 1126436.4/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 943.365+/-0.250 χ^2/NDF: 1067124.7/19

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

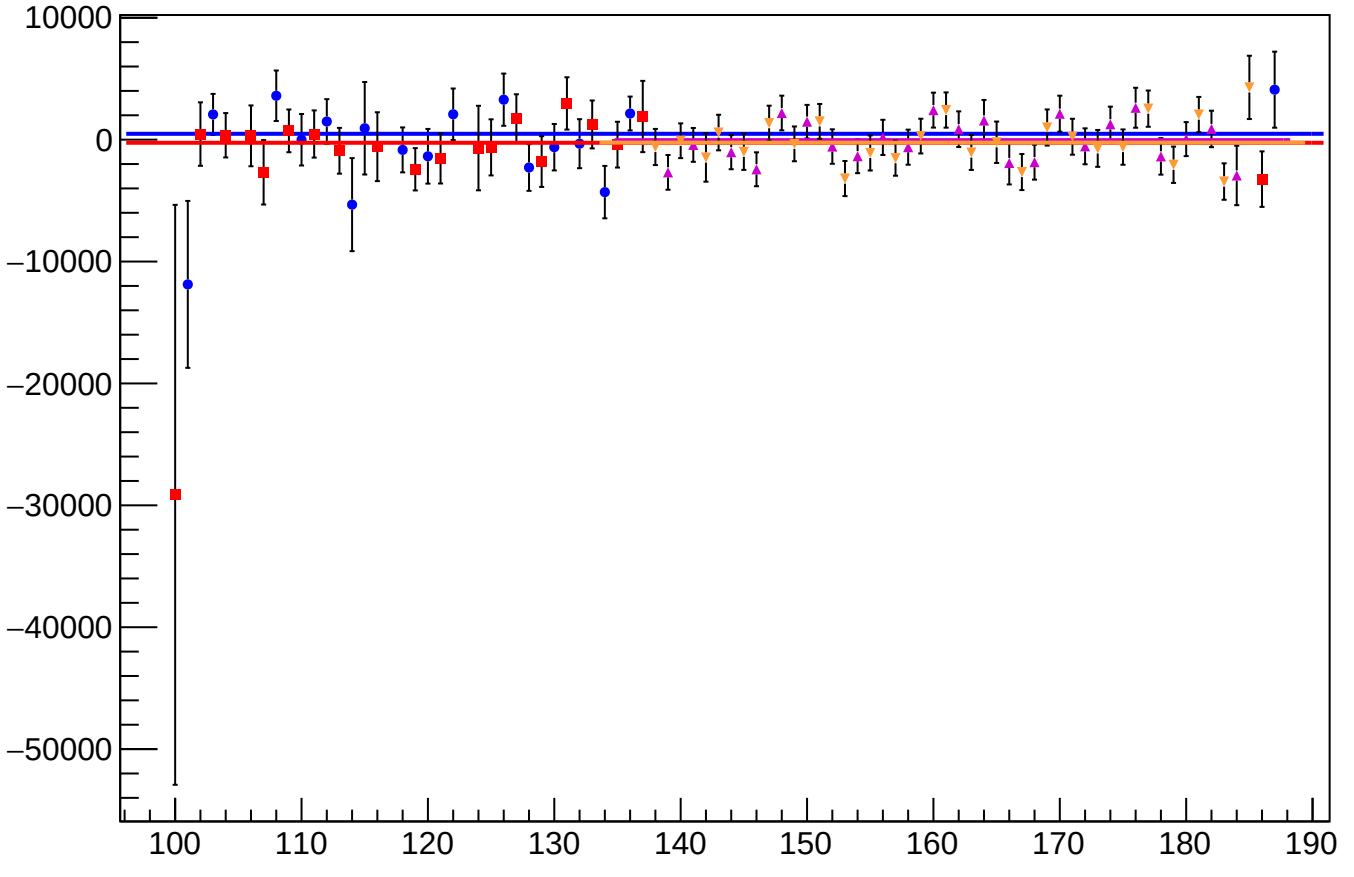
Right: 910.167+/-0.172 χ^2/NDF: 2227409.5/36

In: 682.647+/-0.098 χ^2/NDF:2874684.9/39

Out: 668.107+/-0.095 χ^2/NDF:3870378.9/44

All: 675.107+/-0.068 χ^2/NDF: 6756438.6/84

cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 481.439+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -255.705+/-490.873 χ^2/NDF: 11.8/19

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

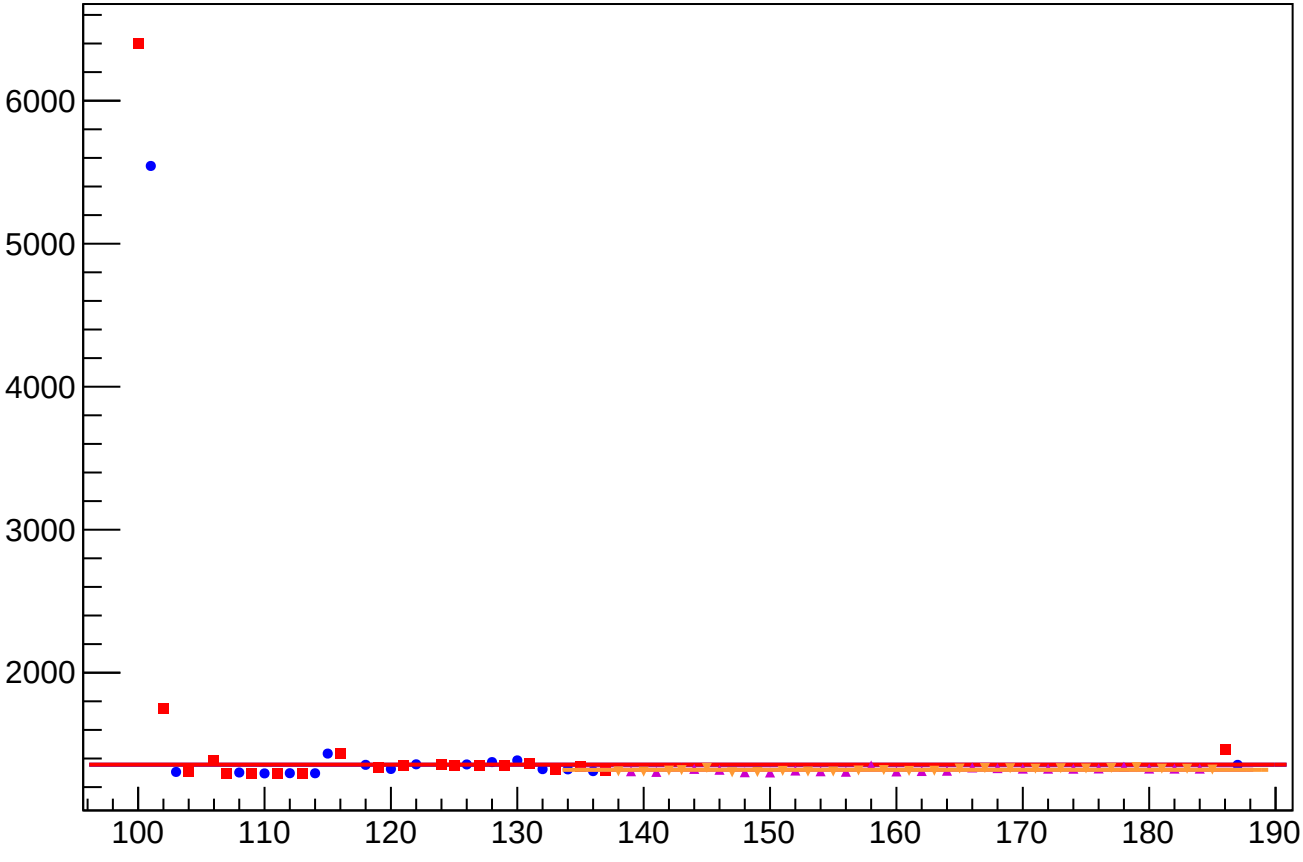
Right: 98.210+/-353.934 χ^2/NDF: 35.8/36

In: 100.038+/-264.151 χ^2/NDF:50.8/39

Out: -244.908+/-255.984 χ^2/NDF:43.5/44

All: -77.850+/-183.828 χ^2/NDF: 95.2/84

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.376+/-0.361 χ^2/NDF: 760265.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1357.310+/-0.347 χ^2/NDF: 151976.9/19

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

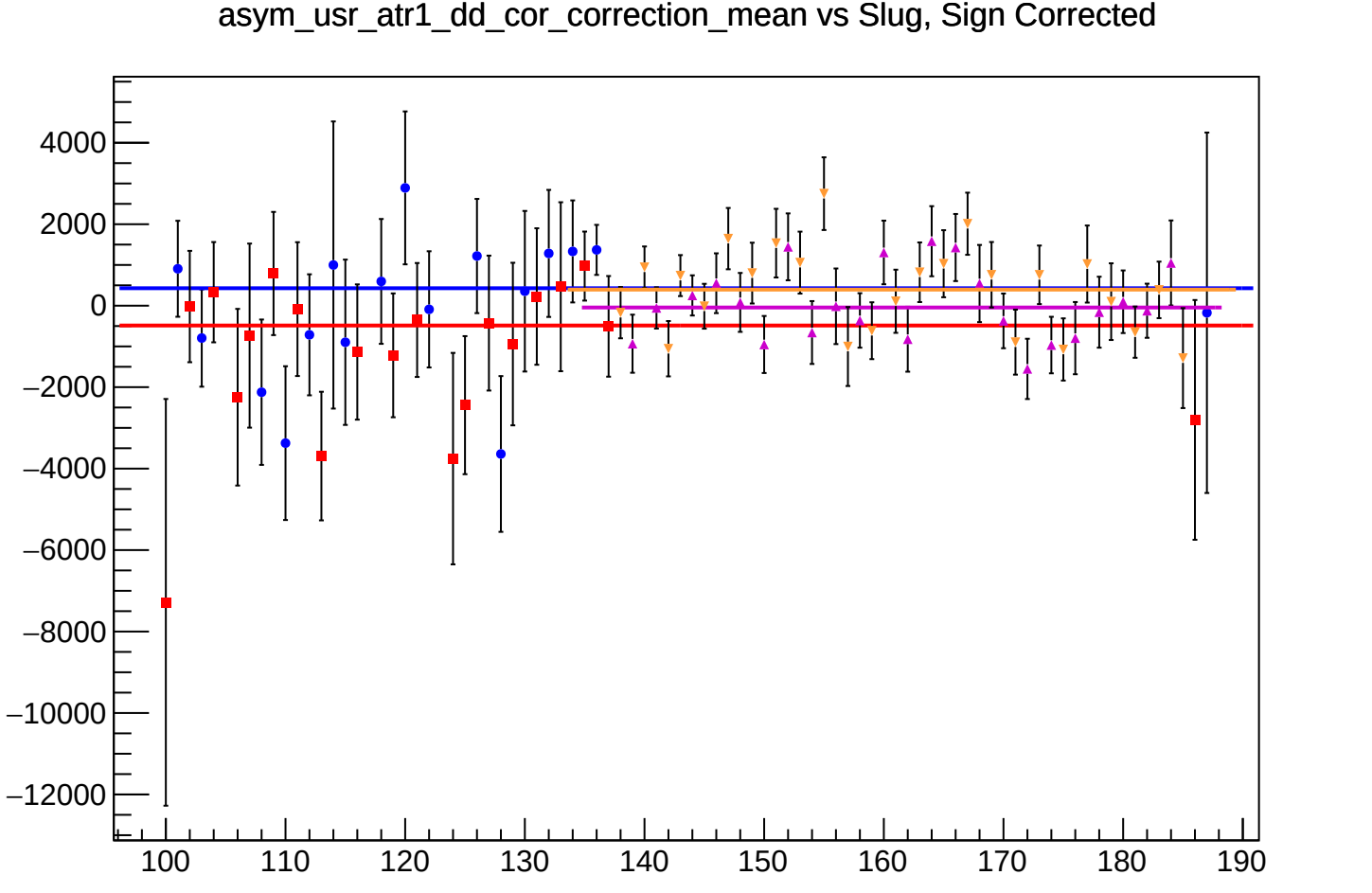
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1356.862+/-0.250 χ^2/NDF: 912245.9/36

In: 1331.034+/-0.187 χ^2/NDF:770538.7/39

Out: 1330.685+/-0.181 χ^2/NDF:162660.9/44

All: 1330.854+/-0.130 χ^2/NDF: 933201.4/84



Right In: 428.609+/-337.417 χ^2/NDF: 18.3/16

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -486.865+/-353.032 χ^2/NDF: 15.3/19

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

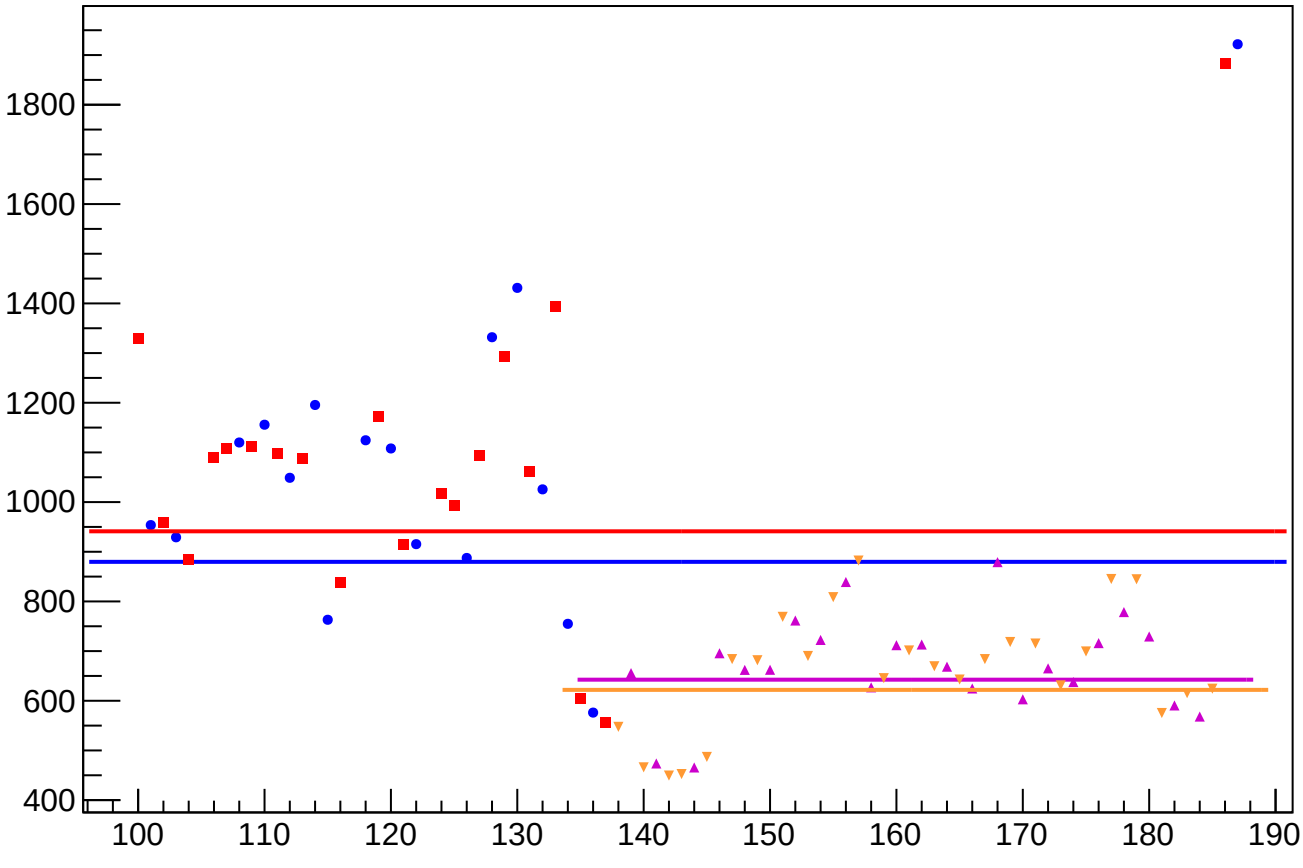
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -8.435+/-243.923 χ^2/NDF: 37.1/36

In: 35.381+/-138.838 χ^2/NDF:47.5/39

Out: 267.955+/-133.780 χ^2/NDF:62.5/44

All: 155.982+/-96.335 χ^2/NDF: 111.4/84



Right In: 879.702+/-0.239 χ^2/NDF: 1126009.9/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 941.168+/-0.250 χ^2/NDF: 1055538.6/19

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

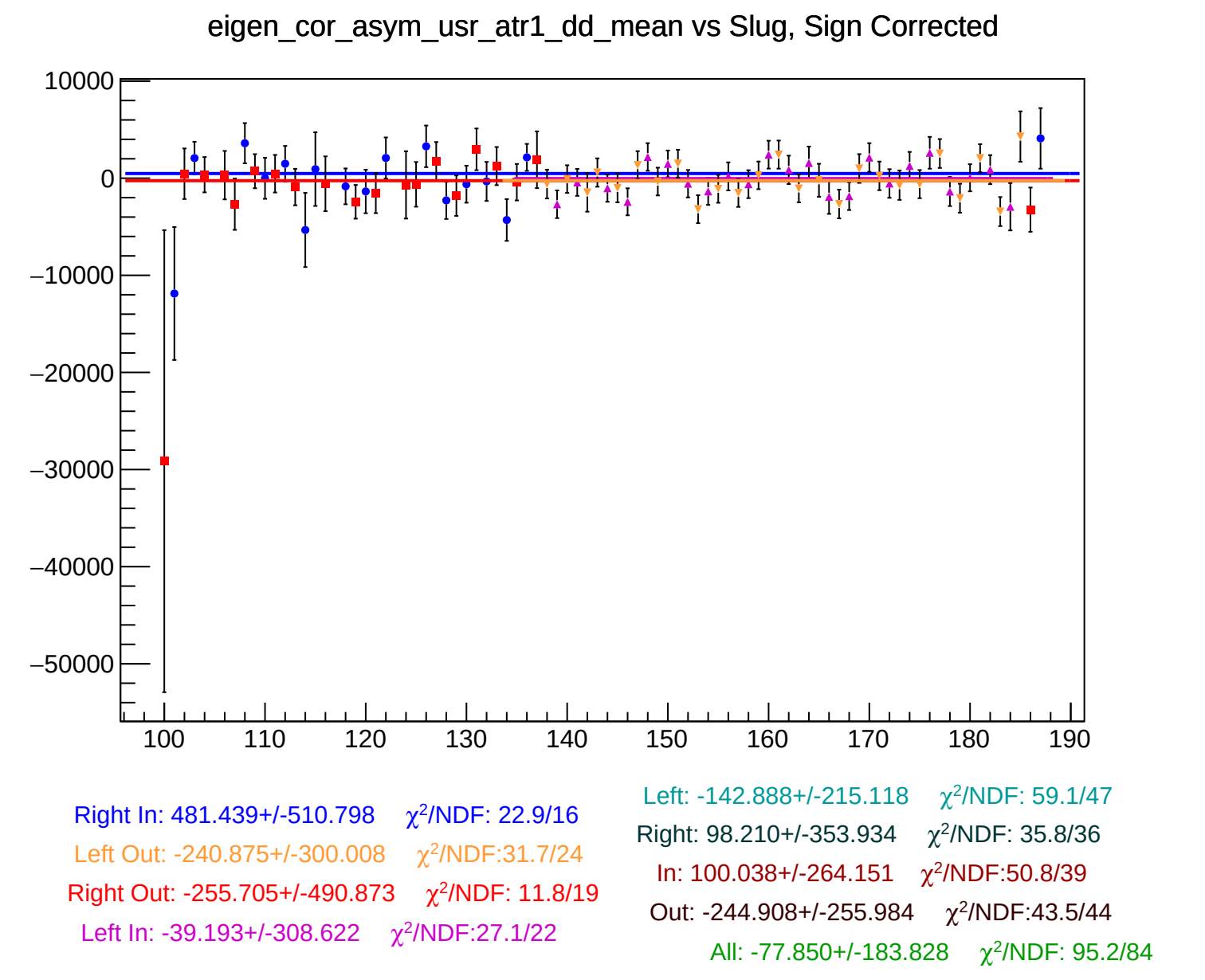
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

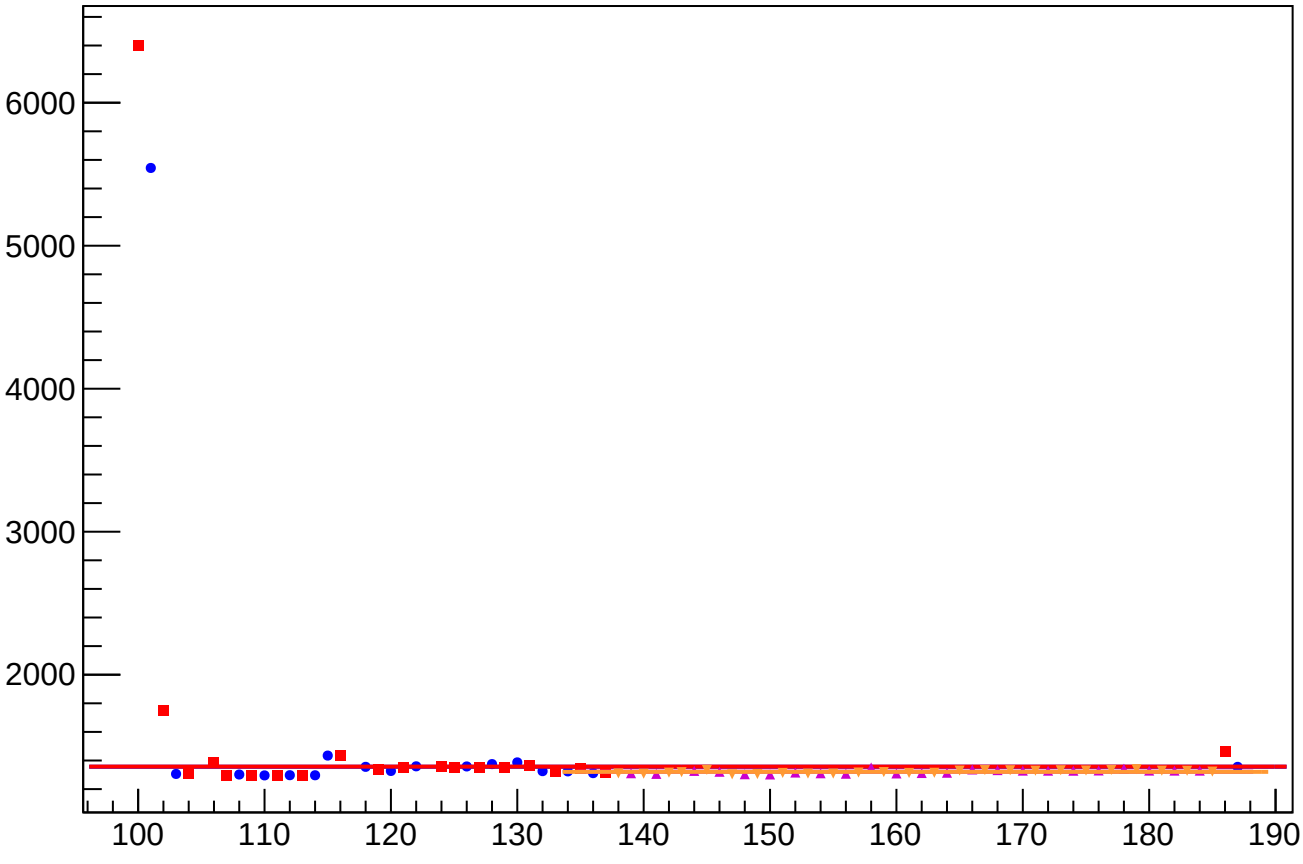
Right: 909.046+/-0.172 χ^2/NDF: 2213232.5/36

In: 682.632+/-0.098 χ^2/NDF:2873682.1/39

Out: 667.790+/-0.095 χ^2/NDF:3839317.6/44

All: 674.936+/-0.068 χ^2/NDF: 6724851.7/84


eigen_cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 481.439+/-510.798 χ²/NDF: 22.9/16
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -255.705+/-490.873 χ²/NDF: 11.8/19
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 98.210+/-353.934 χ²/NDF: 35.8/36
In: 100.038+/-264.151 χ²/NDF:50.8/39
Out: -244.908+/-255.984 χ²/NDF:43.5/44
All: -77.850+/-183.828 χ²/NDF: 95.2/84



Right In: 1356.376+/-0.361 χ^2/NDF: 760265.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1357.310+/-0.347 χ^2/NDF: 151976.9/19

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

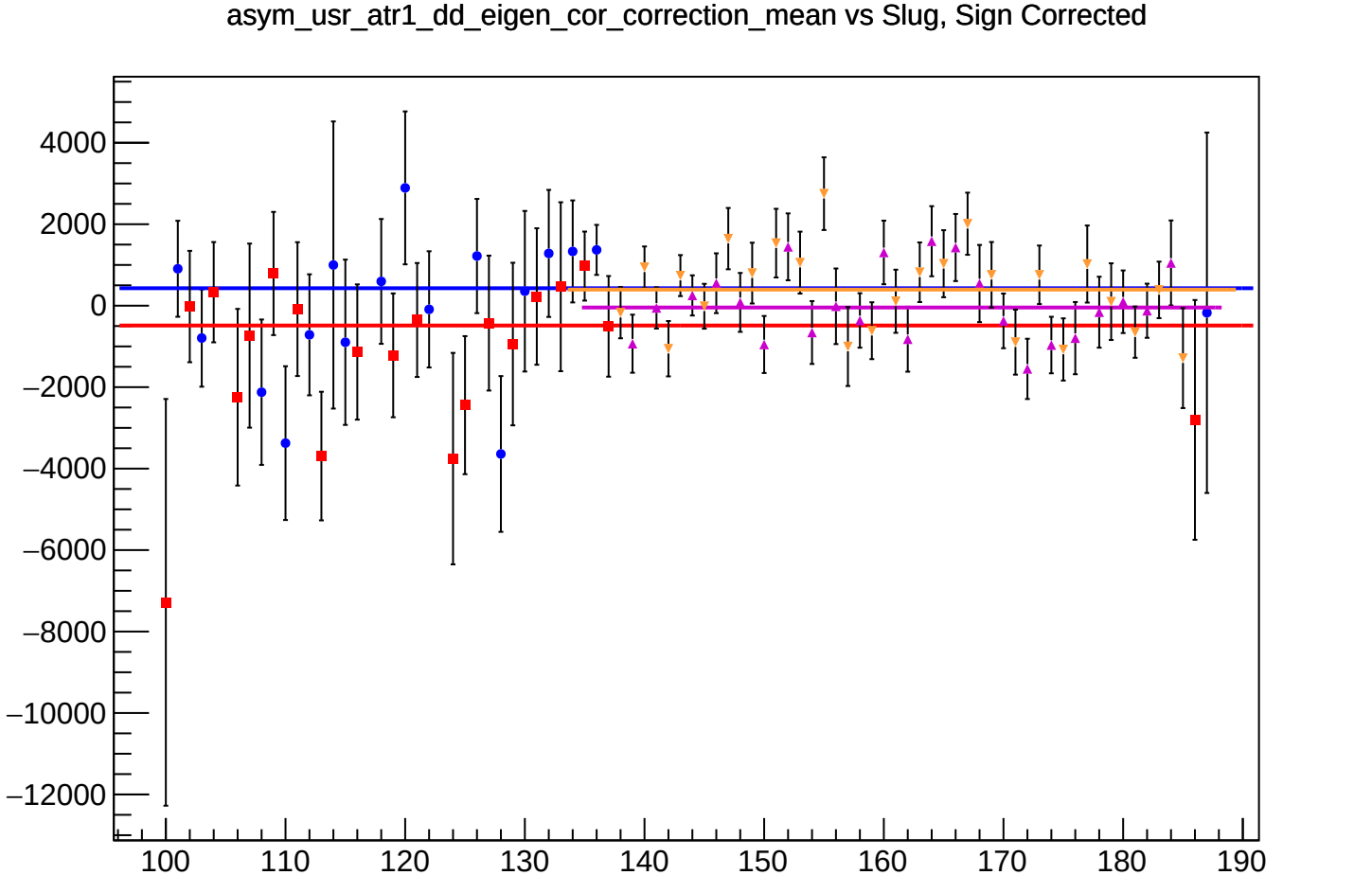
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1356.862+/-0.250 χ^2/NDF: 912245.9/36

In: 1331.034+/-0.187 χ^2/NDF:770538.7/39

Out: 1330.685+/-0.181 χ^2/NDF:162660.9/44

All: 1330.854+/-0.130 χ^2/NDF: 933201.4/84



Right In: 428.609+/-337.417 χ^2/NDF: 18.3/16

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -486.865+/-353.032 χ^2/NDF: 15.3/19

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

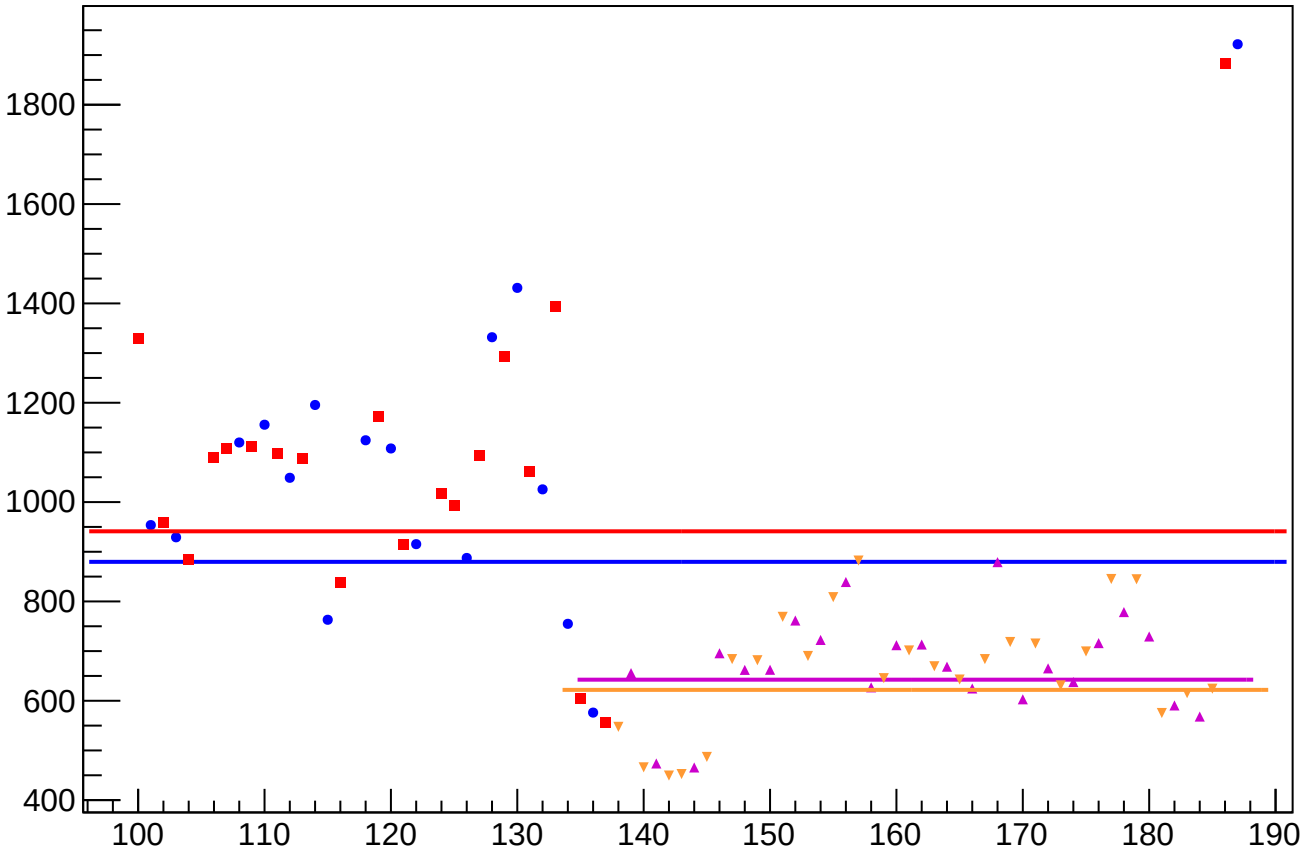
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -8.435+/-243.923 χ^2/NDF: 37.1/36

In: 35.381+/-138.838 χ^2/NDF:47.5/39

Out: 267.955+/-133.780 χ^2/NDF:62.5/44

All: 155.982+/-96.335 χ^2/NDF: 111.4/84



Right In: 879.702+/-0.239 χ^2/NDF: 1126009.9/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 941.168+/-0.250 χ^2/NDF: 1055538.6/19

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

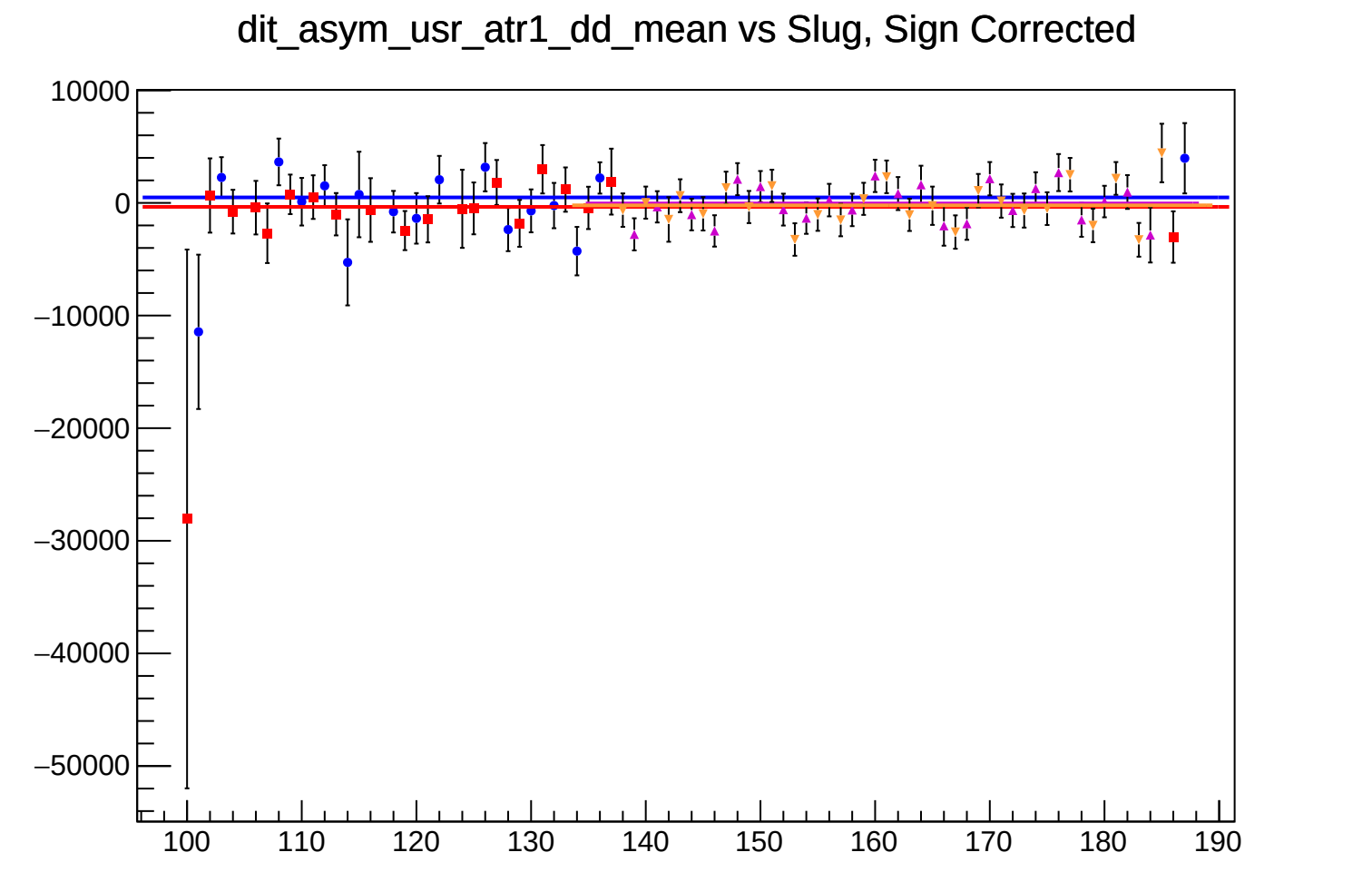
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 909.046+/-0.172 χ^2/NDF: 2213232.5/36

In: 682.632+/-0.098 χ^2/NDF:2873682.1/39

Out: 667.790+/-0.095 χ^2/NDF:3839317.6/44

All: 674.936+/-0.068 χ^2/NDF: 6724851.7/84



Right In: 486.880+/-514.044 χ^2/NDF: 22.7/16

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -350.876+/-495.798 χ^2/NDF: 11.4/19

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

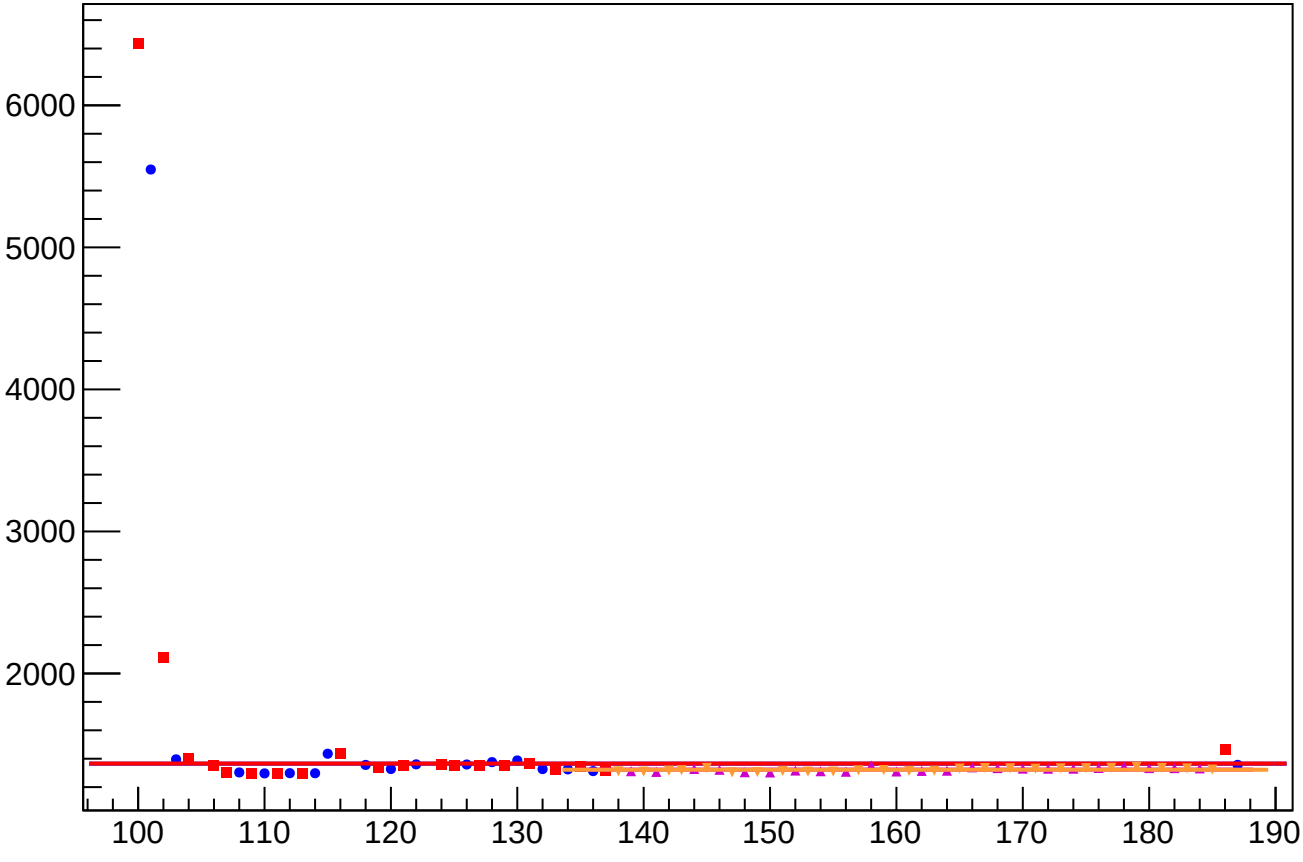
Right: 52.871+/-356.858 χ^2/NDF: 35.5/36

In: 92.316+/-264.826 χ^2/NDF:51.3/39

Out: -251.507+/-256.908 χ^2/NDF:42.8/44

All: -84.813+/-184.397 χ^2/NDF: 94.9/84

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.068+/-0.363 χ^2/NDF: 758959.6/16

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1365.841+/-0.351 χ^2/NDF: 209539.3/19

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

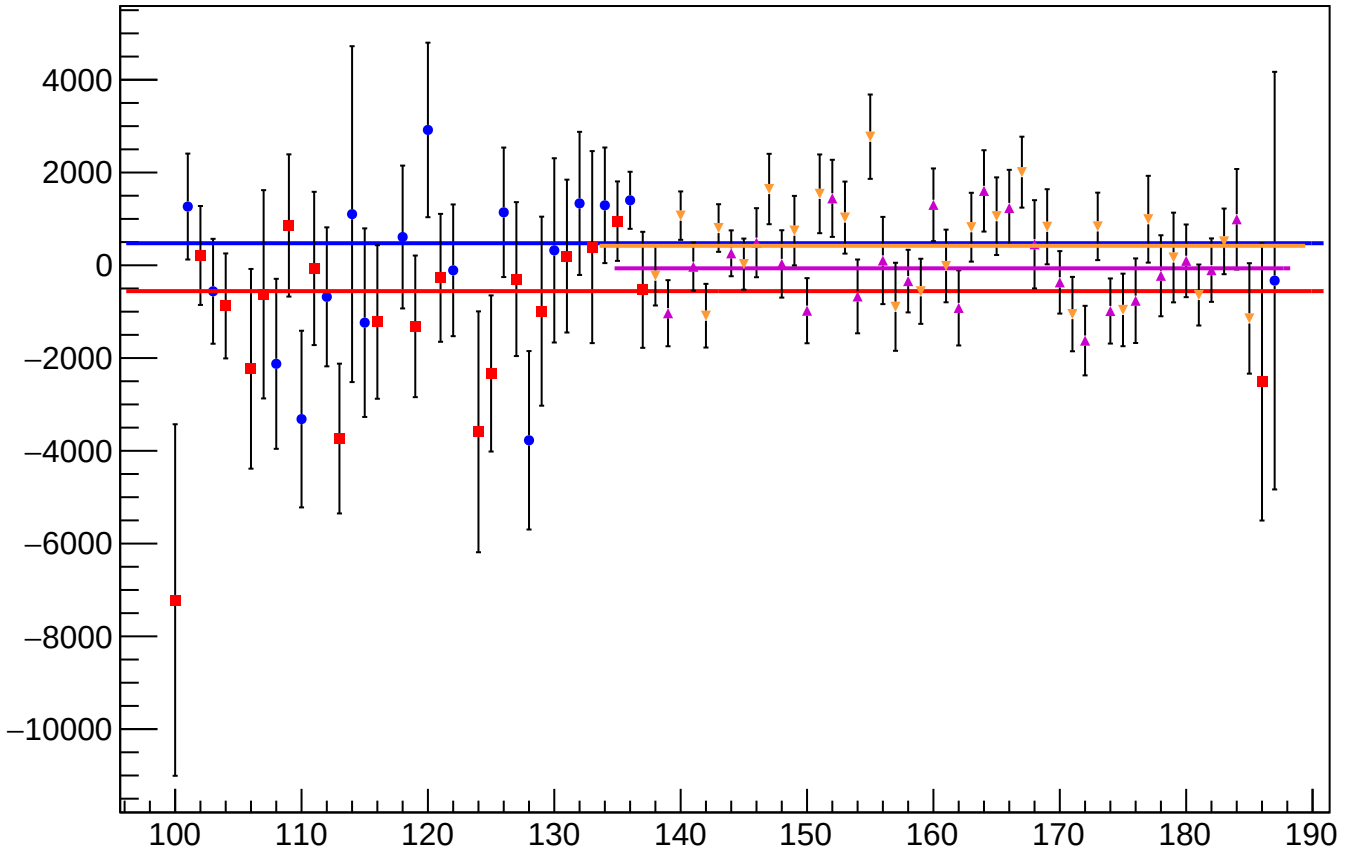
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1365.469+/-0.252 χ^2/NDF: 968501.3/36

In: 1334.413+/-0.187 χ^2/NDF:772498.3/39

Out: 1334.041+/-0.182 χ^2/NDF:223719.0/44

All: 1334.222+/-0.130 χ^2/NDF: 996219.3/84



Right In: 475.895+/-335.584 χ^2/NDF: 18.6/16

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -556.763+/-343.808 χ^2/NDF: 16.1/19

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

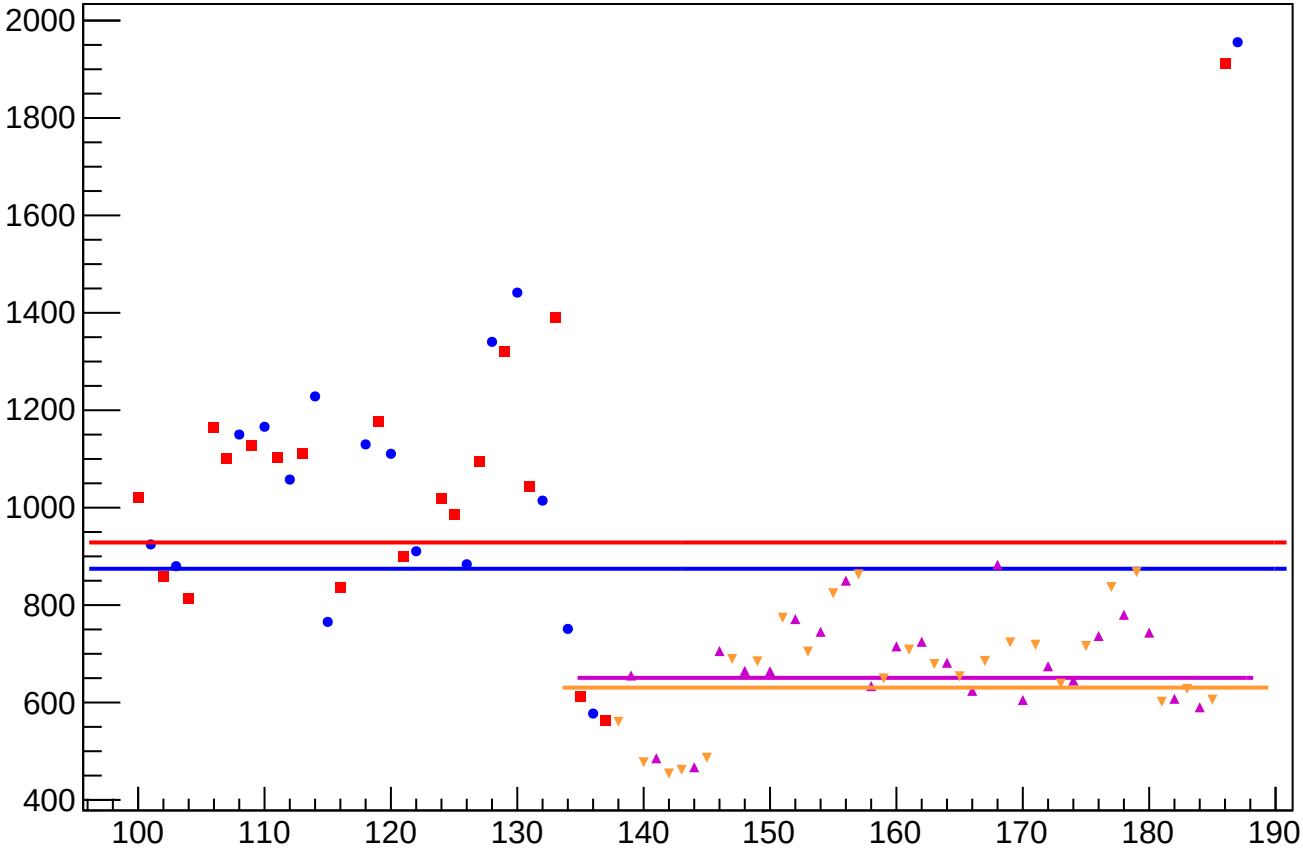
Right: -27.936+/-240.149 χ^2/NDF: 39.3/36

In: 28.984+/-140.134 χ^2/NDF:47.8/39

Out: 269.928+/-134.725 χ^2/NDF:64.4/44

All: 154.197+/-97.121 χ^2/NDF: 113.8/84

asym_usr_atr1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 874.612+/-0.237 χ^2/NDF: 1137291.7/16

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 928.549+/-0.243 χ^2/NDF: 1078471.3/19

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

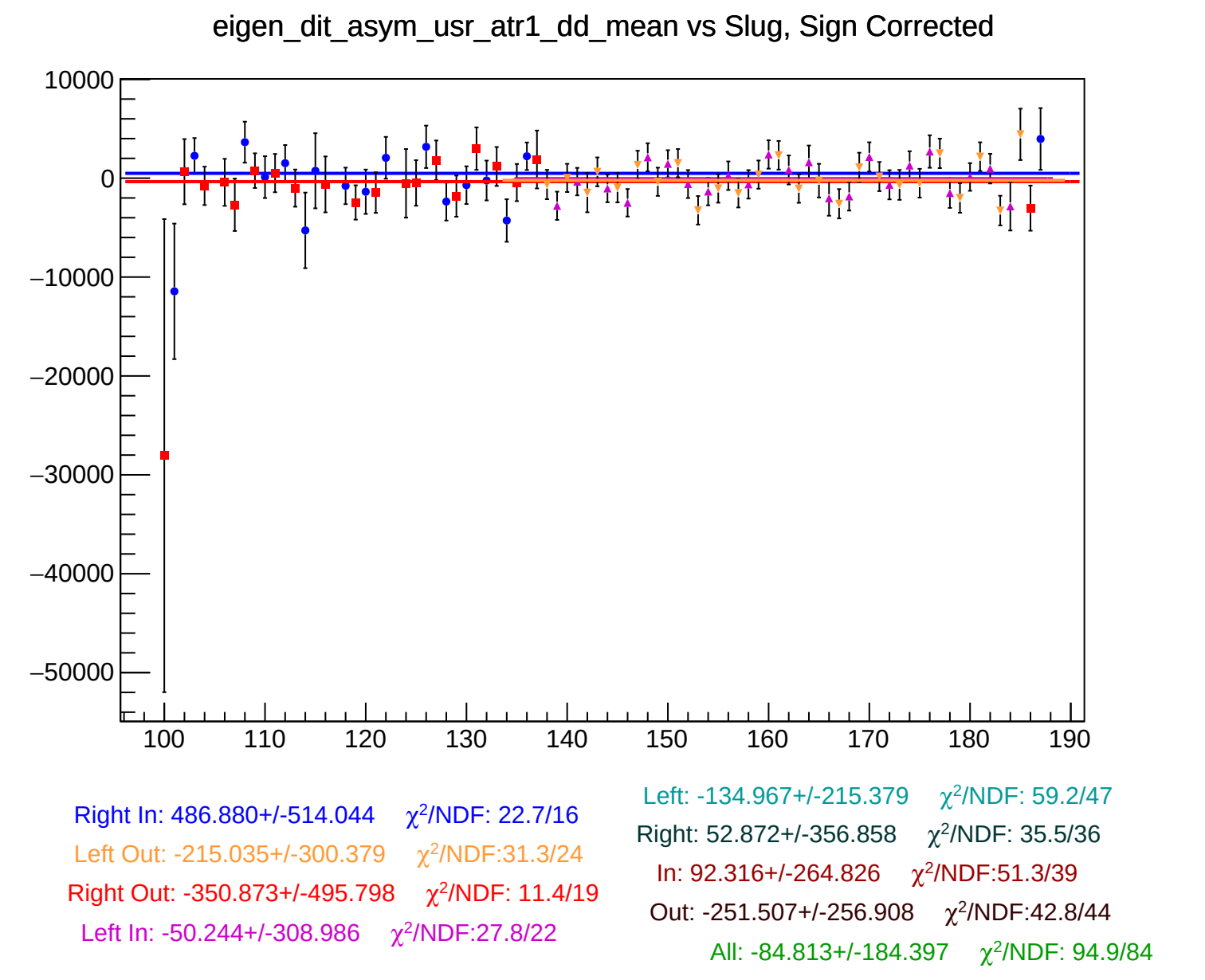
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

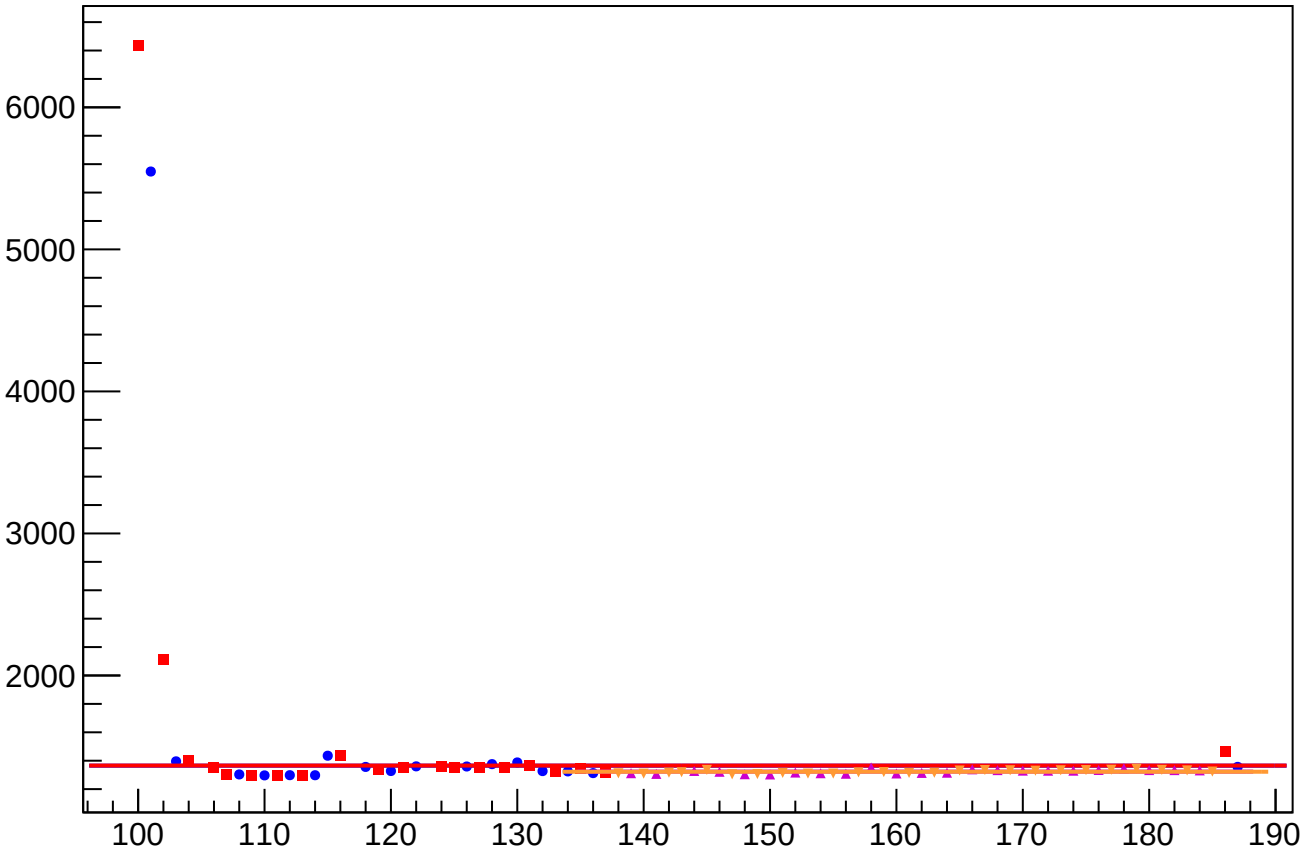
Right: 900.928+/-0.170 χ^2/NDF: 2240970.0/36

In: 689.693+/-0.099 χ^2/NDF:2794918.1/39

Out: 676.344+/-0.095 χ^2/NDF:3678526.4/44

All: 682.756+/-0.069 χ^2/NDF: 6482874.8/84


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 486.880+/-514.044 χ²/NDF: 22.7/16
Left Out: -215.035+/-300.379 χ²/NDF:31.3/24
Right Out: -350.873+/-495.798 χ²/NDF: 11.4/19
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.967+/-215.379 χ²/NDF: 59.2/47
Right: 52.872+/-356.858 χ²/NDF: 35.5/36
In: 92.316+/-264.826 χ²/NDF:51.3/39
Out: -251.507+/-256.908 χ²/NDF:42.8/44
All: -84.813+/-184.397 χ²/NDF: 94.9/84



Right In: 1365.068+/-0.363 χ^2/NDF: 758959.6/16

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1365.841+/-0.351 χ^2/NDF: 209539.3/19

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

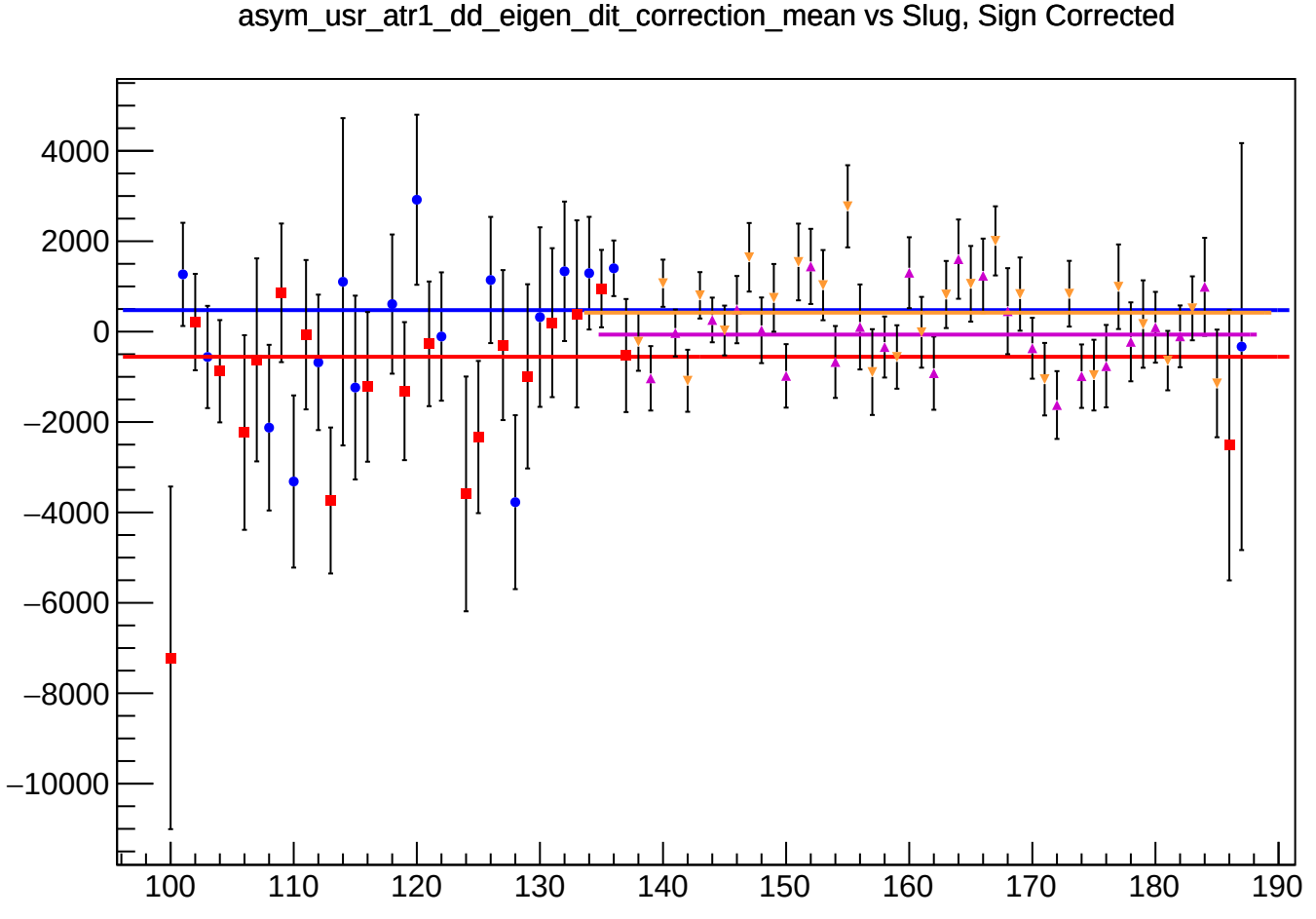
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1365.469+/-0.252 χ^2/NDF: 968501.2/36

In: 1334.413+/-0.187 χ^2/NDF:772498.3/39

Out: 1334.041+/-0.182 χ^2/NDF:223718.9/44

All: 1334.222+/-0.130 χ^2/NDF: 996219.2/84



Right In: 475.892+/-335.583 χ^2/NDF: 18.6/16

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -556.762+/-343.807 χ^2/NDF: 16.1/19

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

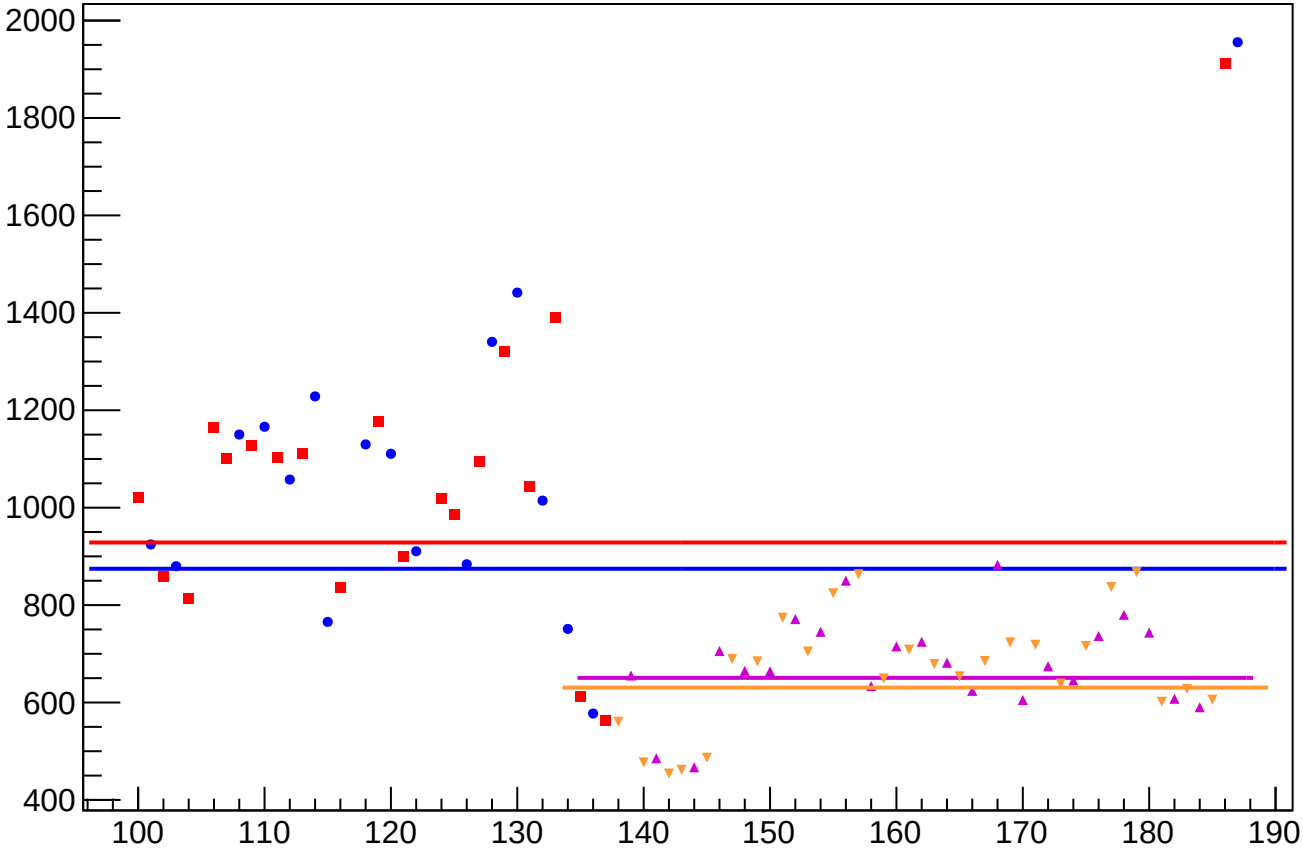
Right: -27.936+/-240.148 χ^2/NDF: 39.3/36

In: 28.985+/-140.134 χ^2/NDF:47.8/39

Out: 269.928+/-134.725 χ^2/NDF:64.4/44

All: 154.197+/-97.121 χ^2/NDF: 113.8/84

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 874.610+/-0.237 χ^2/NDF: 1137290.1/16

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 928.547+/-0.243 χ^2/NDF: 1078471.1/19

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

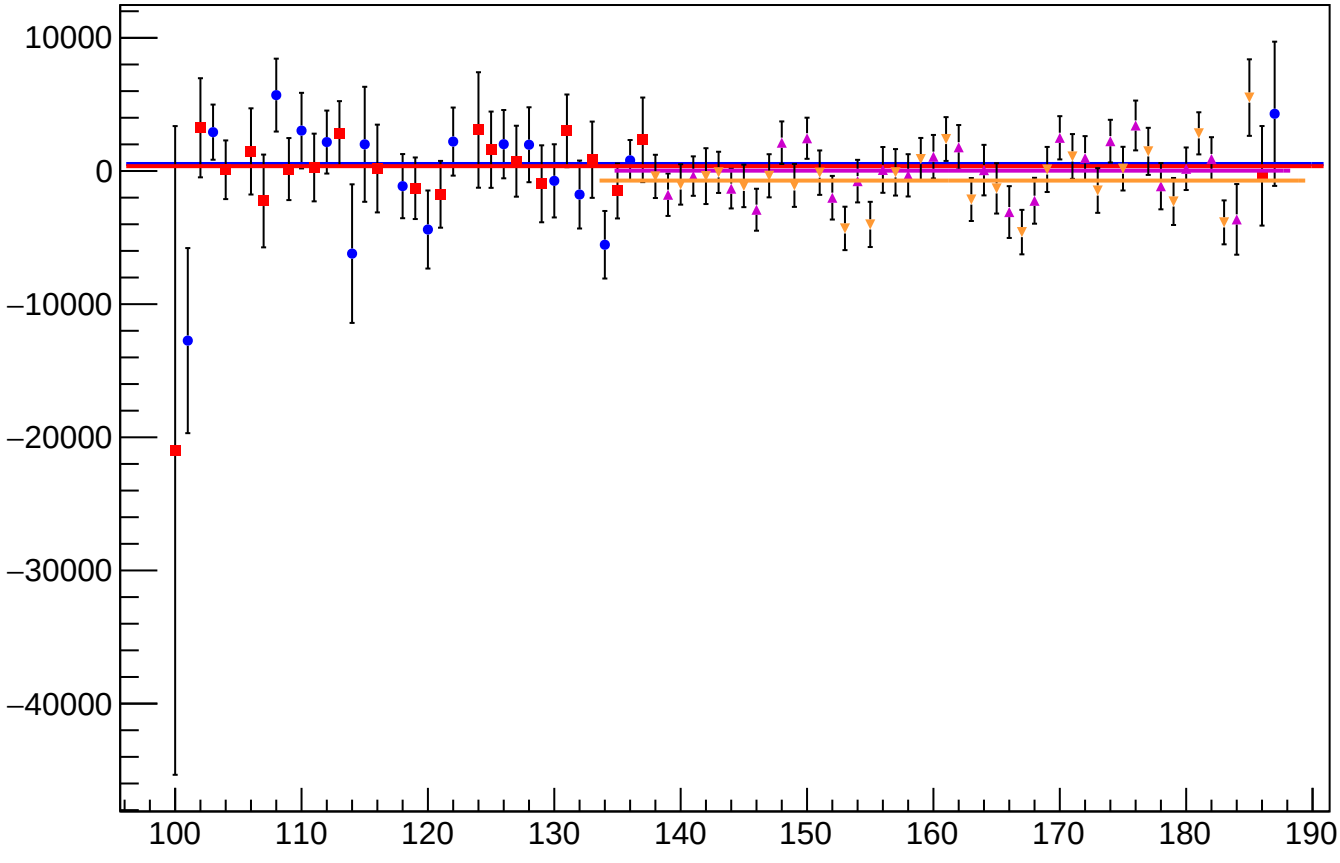
Right: 900.926+/-0.170 χ^2/NDF: 2240968.9/36

In: 689.693+/-0.099 χ^2/NDF:2794906.0/39

Out: 676.345+/-0.095 χ^2/NDF:3678529.3/44

All: 682.756+/-0.069 χ^2/NDF: 6482866.0/84

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 527.661+/-644.628 χ^2/NDF: 23.2/16

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 363.429+/-632.735 χ^2/NDF: 7.3/19

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

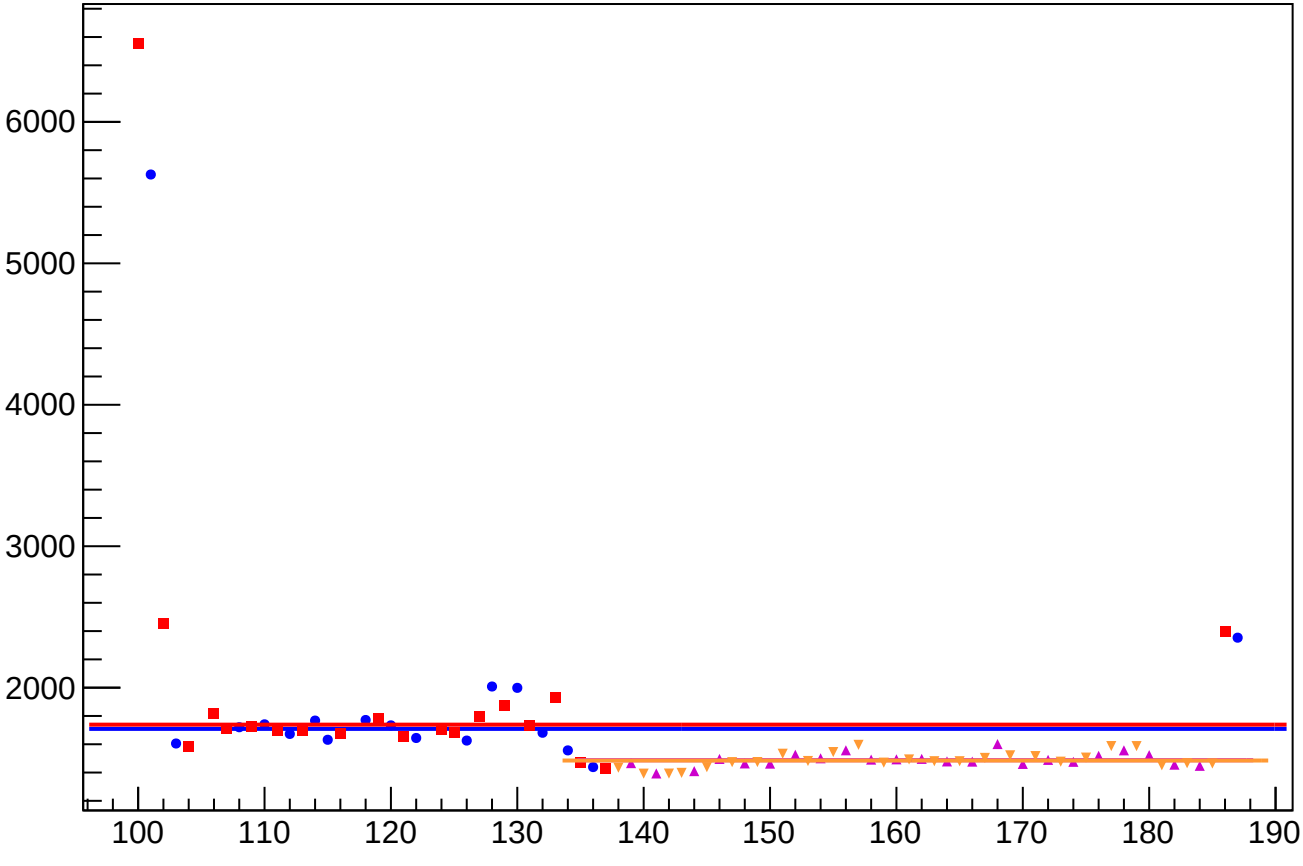
Right: 444.016+/-451.557 χ^2/NDF: 30.5/36

In: 140.087+/-305.828 χ^2/NDF:51.6/39

Out: -478.610+/-297.839 χ^2/NDF:47.3/44

All: -177.447+/-213.373 χ^2/NDF: 101.0/84

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1708.595+/-0.456 χ^2/NDF: 790856.7/16

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1738.599+/-0.447 χ^2/NDF: 298164.1/19

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

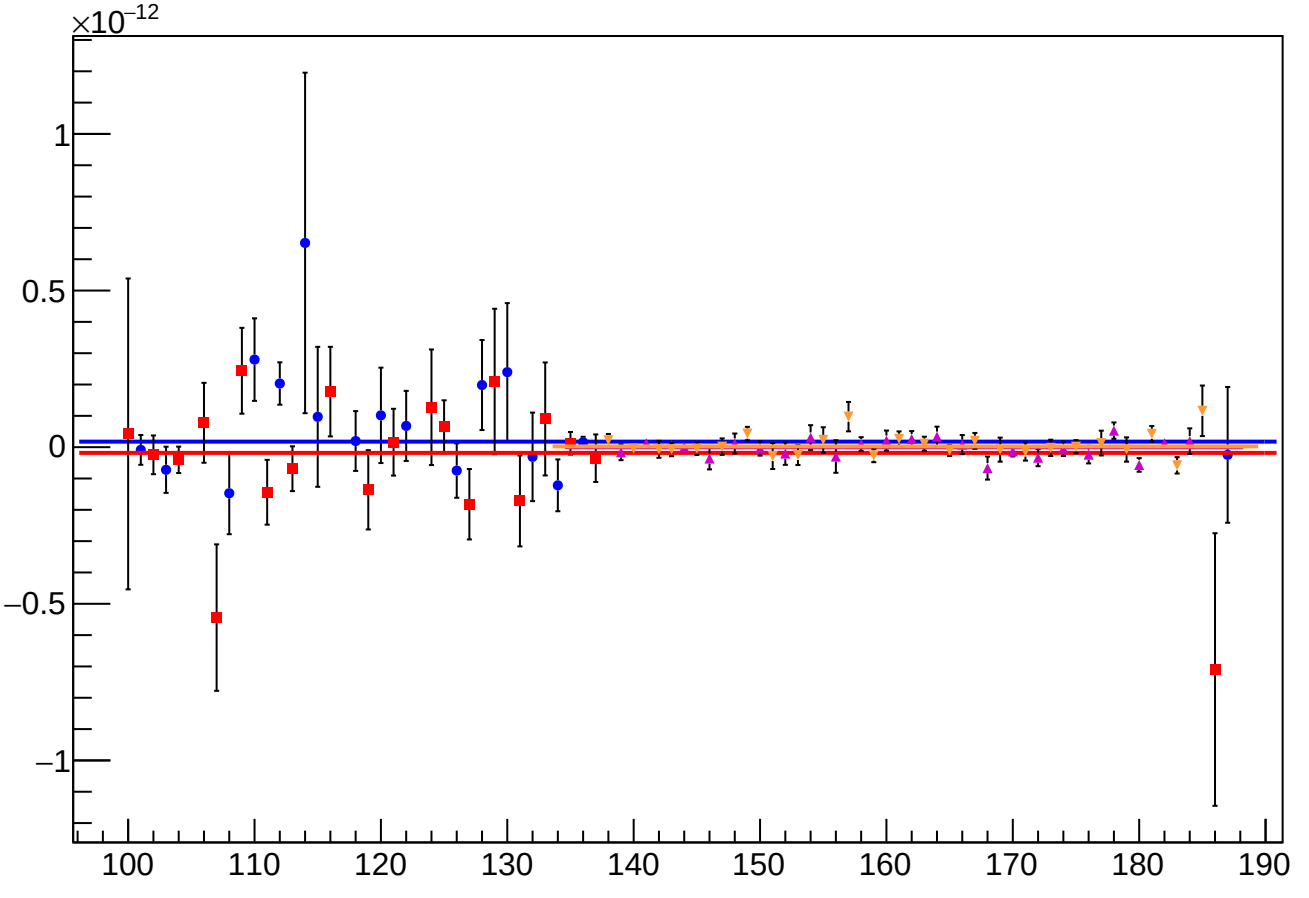
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1723.877+/-0.319 χ^2/NDF: 1091227.5/36

In: 1536.964+/-0.216 χ^2/NDF:1008631.3/39

Out: 1541.160+/-0.211 χ^2/NDF:599240.3/44

All: 1539.118+/-0.151 χ^2/NDF: 1608064.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/19

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

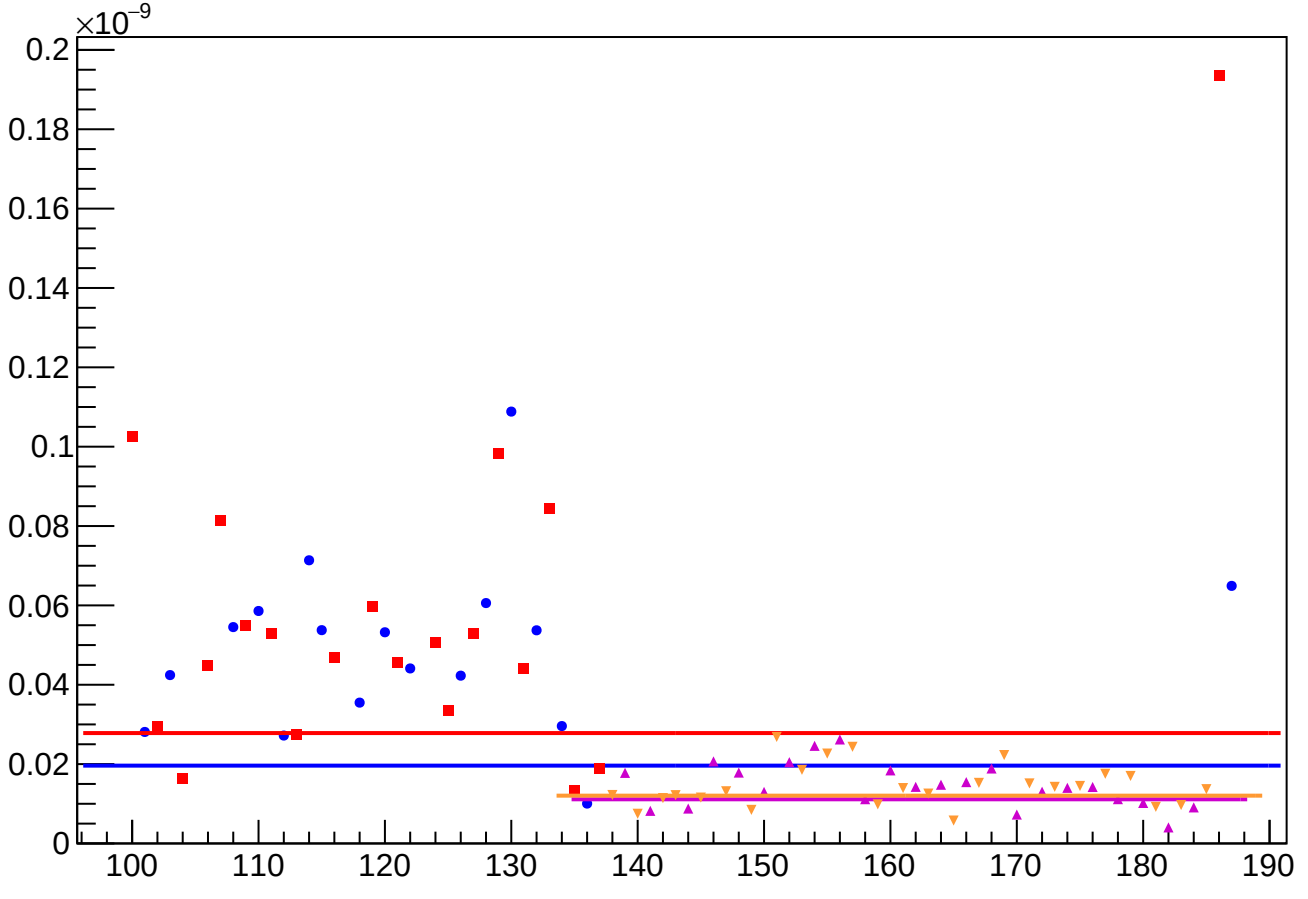
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.7/36

In: 0.000+/-0.000 χ^2/NDF:49.9/39

Out: 0.000+/-0.000 χ^2/NDF:50.4/44

All: 0.000+/-0.000 χ^2/NDF: 100.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 2362157.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1940540.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

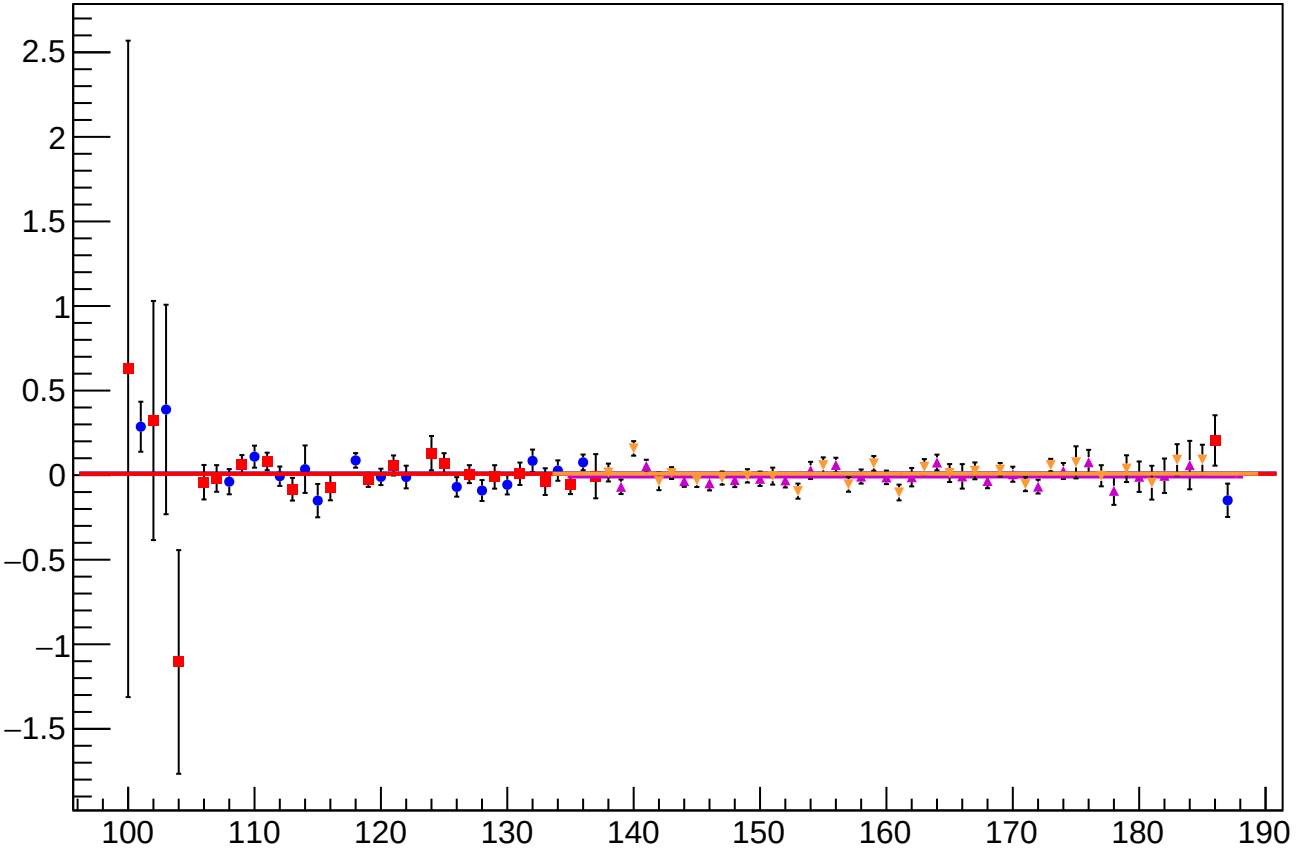
Right: 0.000+/-0.000 χ^2/NDF: 4539114.5/36

In: 0.000+/-0.000 χ^2/NDF:5200529.3/39

Out: 0.000+/-0.000 χ^2/NDF:4740054.8/44

All: 0.000+/-0.000 χ^2/NDF: 9990345.0/84

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.007+/-0.016 χ^2/NDF: 16.7/19

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

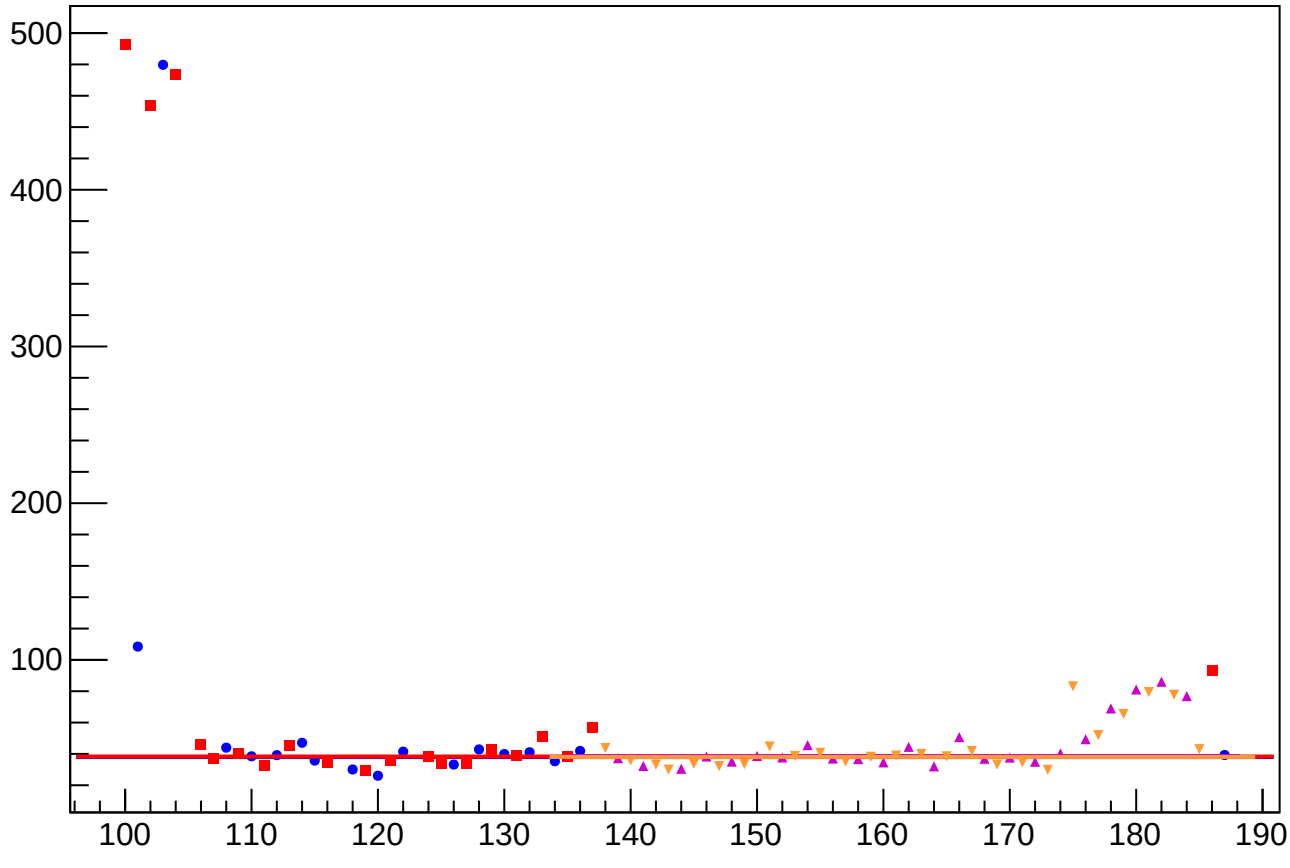
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.009+/-0.011 χ^2/NDF: 41.4/36

In: -0.003+/-0.008 χ^2/NDF:44.5/39

Out: 0.008+/-0.008 χ^2/NDF:55.3/44

All: 0.003+/-0.006 χ^2/NDF: 100.7/84



Right In: 37.977+/-0.011 χ^2/NDF: 1740039.9/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 38.336+/-0.011 χ^2/NDF: 2222067.2/19

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

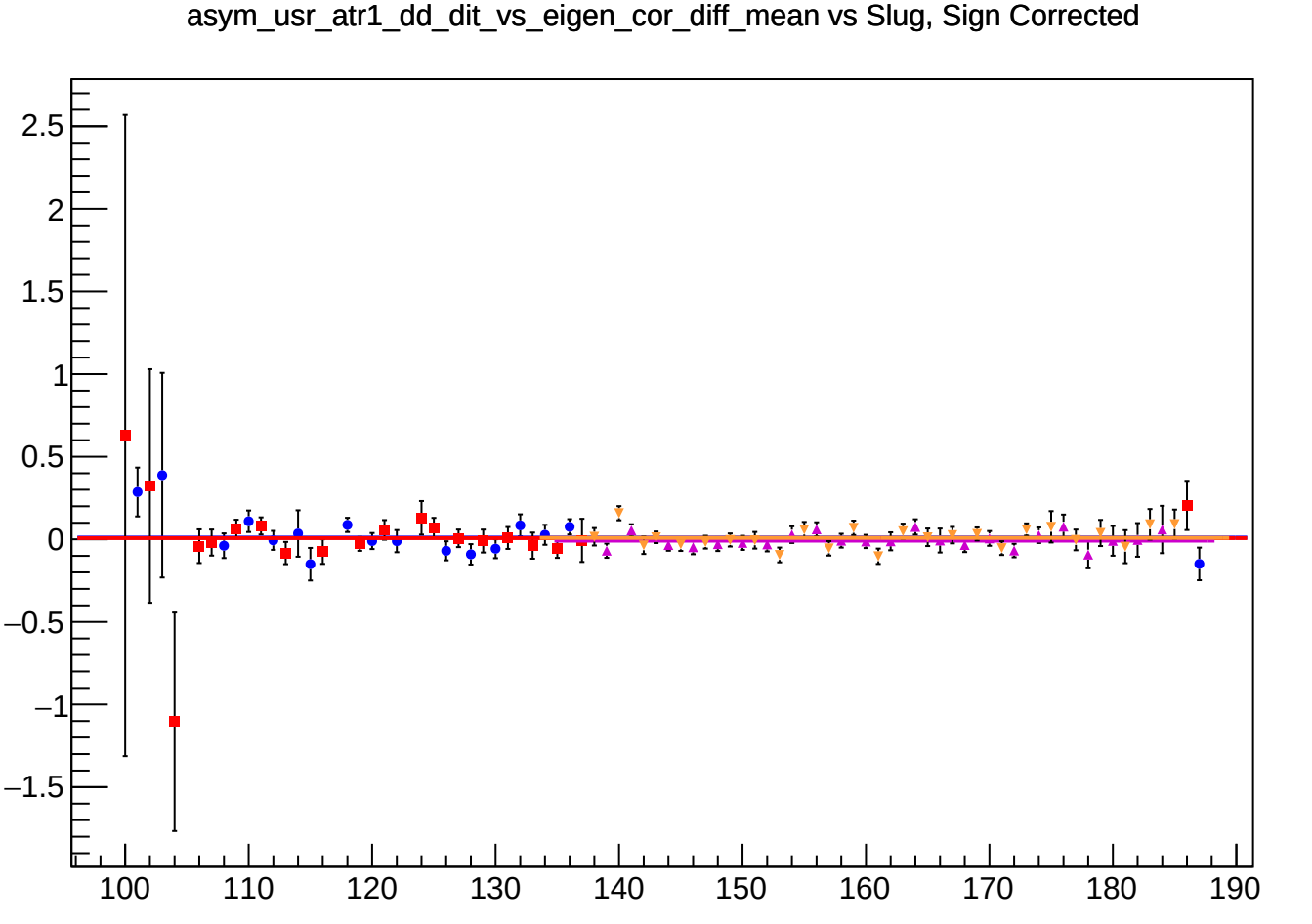
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.154+/-0.008 χ^2/NDF: 3962620.5/36

In: 38.444+/-0.006 χ^2/NDF:3470172.3/39

Out: 38.138+/-0.006 χ^2/NDF:4189599.0/44

All: 38.288+/-0.004 χ^2/NDF: 7661129.5/84



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.007+/-0.016 χ^2/NDF: 16.7/19

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

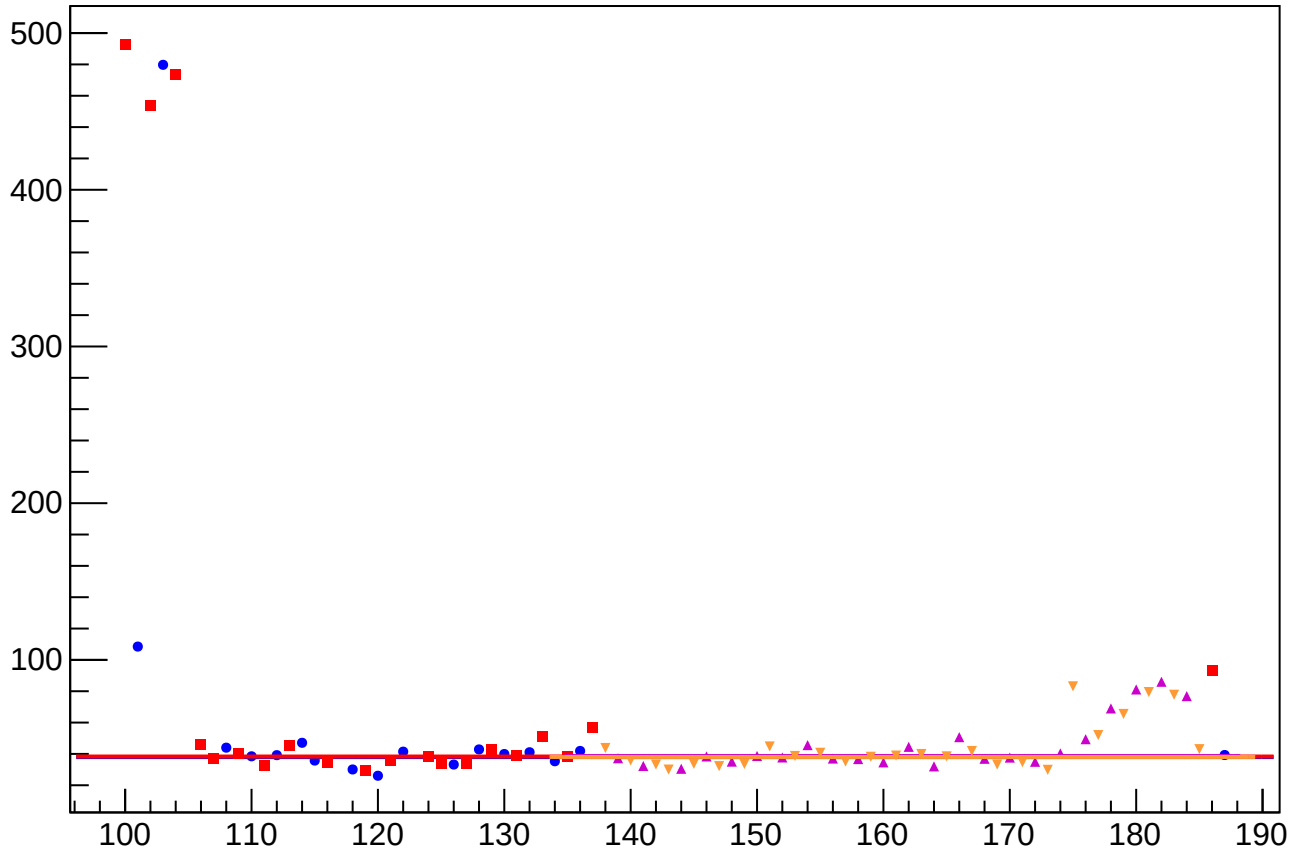
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.009+/-0.011 χ^2/NDF: 41.4/36

In: -0.003+/-0.008 χ^2/NDF:44.5/39

Out: 0.008+/-0.008 χ^2/NDF:55.3/44

All: 0.003+/-0.006 χ^2/NDF: 100.7/84



Right In: 37.977+/-0.011 χ^2/NDF: 1740039.9/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 38.336+/-0.011 χ^2/NDF: 2222067.2/19

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

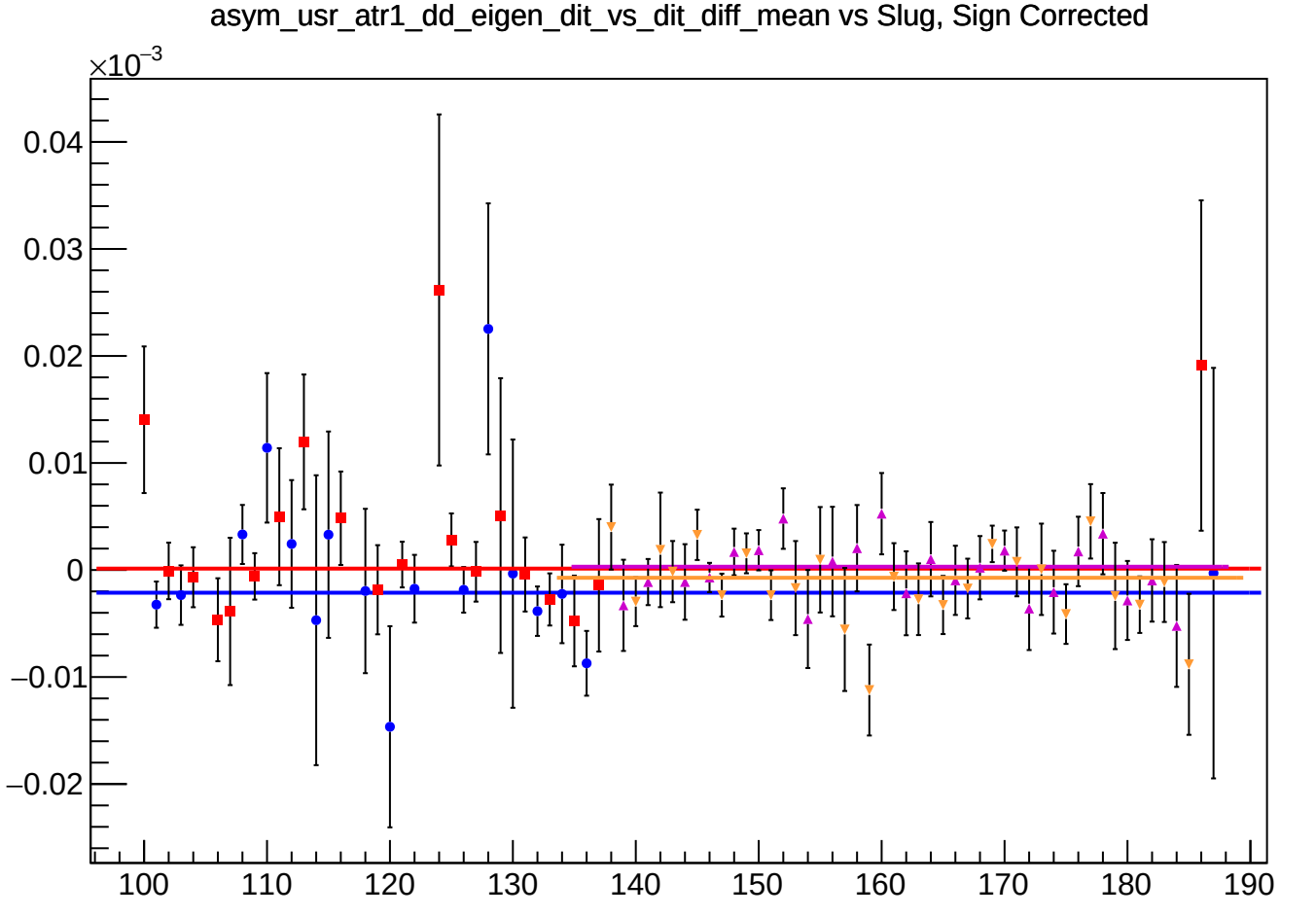
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.154+/-0.008 χ^2/NDF: 3962620.5/36

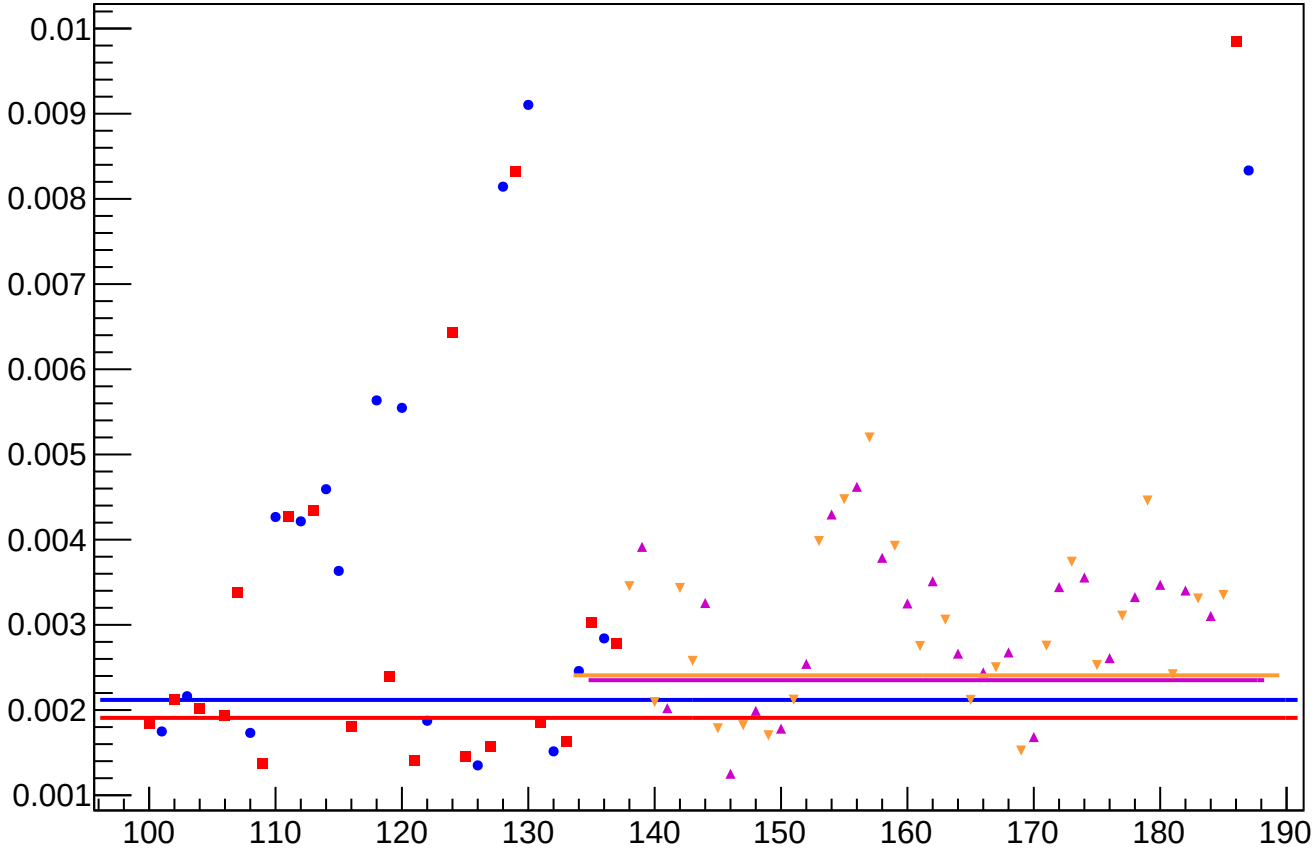
In: 38.444+/-0.006 χ^2/NDF:3470172.3/39

Out: 38.138+/-0.006 χ^2/NDF:4189599.0/44

All: 38.288+/-0.004 χ^2/NDF: 7661129.5/84


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 20.4/16
Left Out: -0.000+/-0.000 χ²/NDF:26.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.9/19
Left In: 0.000+/-0.000 χ²/NDF:13.8/22
Left: -0.000+/-0.000 χ²/NDF: 41.9/47
Right: -0.000+/-0.000 χ²/NDF: 43.9/36
In: -0.000+/-0.000 χ²/NDF:39.3/39
Out: -0.000+/-0.000 χ²/NDF:47.2/44
All: -0.000+/-0.000 χ²/NDF: 86.5/84

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3228009.8/16

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2422517.9/19

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

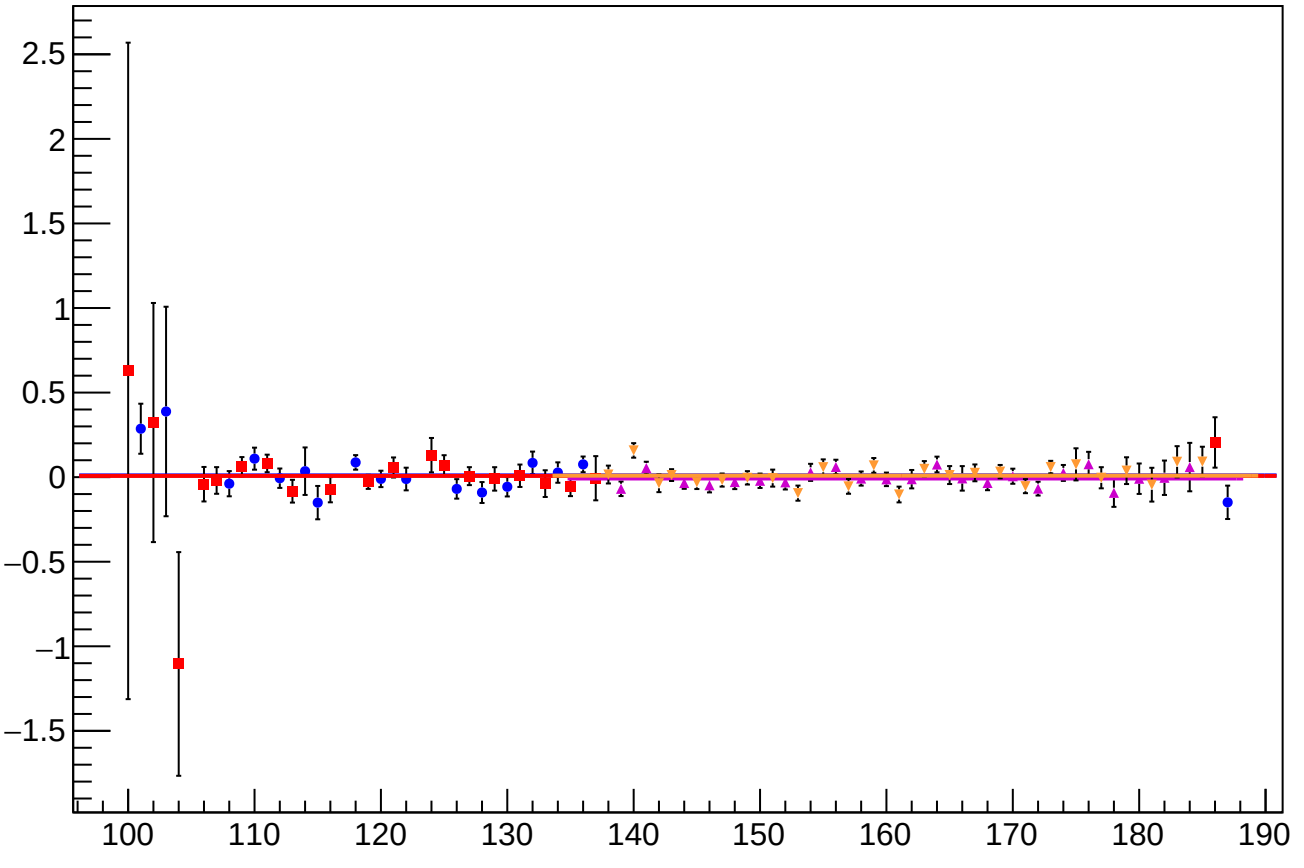
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.002+/-0.000 χ^2/NDF: 5713059.0/36

In: 0.002+/-0.000 χ^2/NDF:7759100.9/39

Out: 0.002+/-0.000 χ^2/NDF:6623797.9/44

All: 0.002+/-0.000 χ^2/NDF: 14393352.5/84



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.007+/-0.016 χ^2/NDF: 16.7/19

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

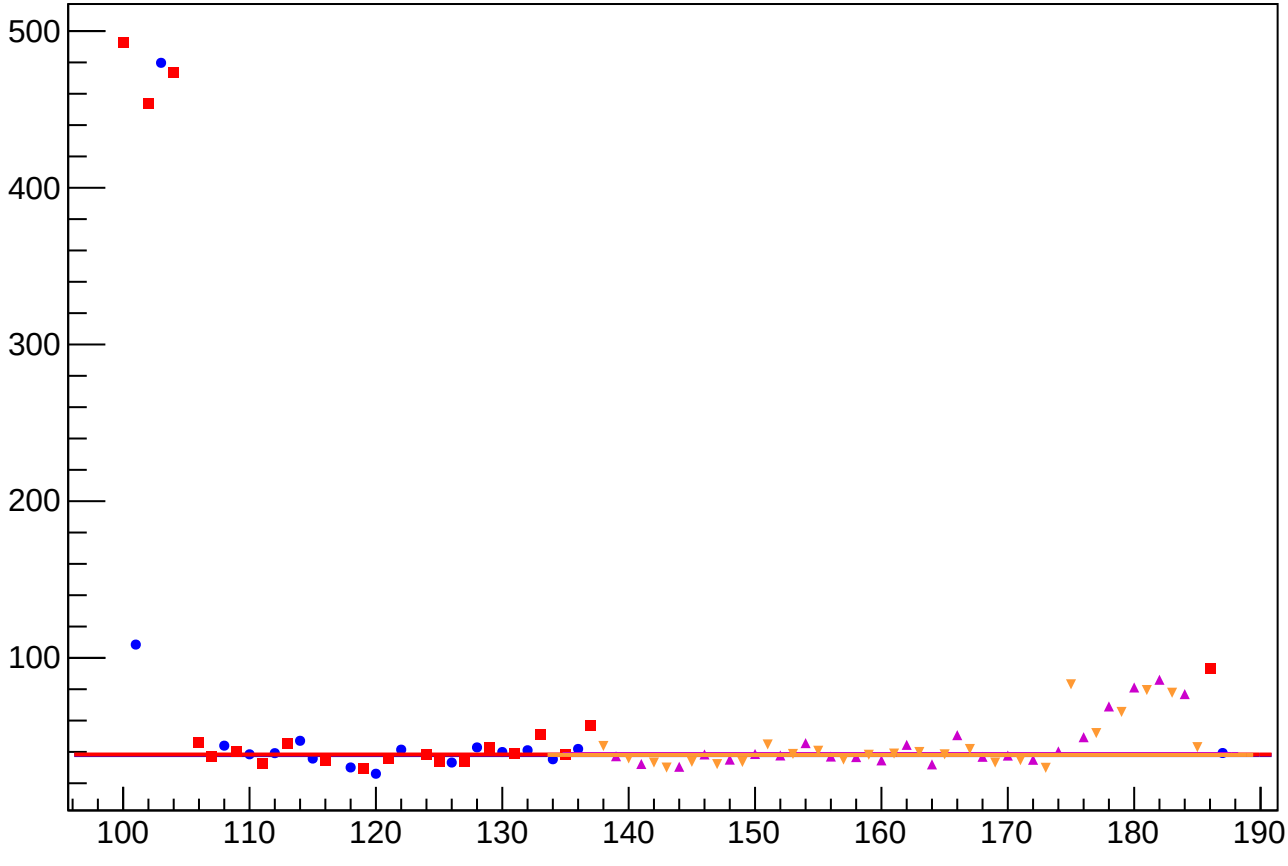
Right: 0.009+/-0.011 χ^2/NDF: 41.4/36

In: -0.003+/-0.008 χ^2/NDF:44.5/39

Out: 0.008+/-0.008 χ^2/NDF:55.3/44

All: 0.003+/-0.006 χ^2/NDF: 100.7/84

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.976+/-0.011 χ^2/NDF: 1740050.0/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 38.335+/-0.011 χ^2/NDF: 2222161.1/19

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

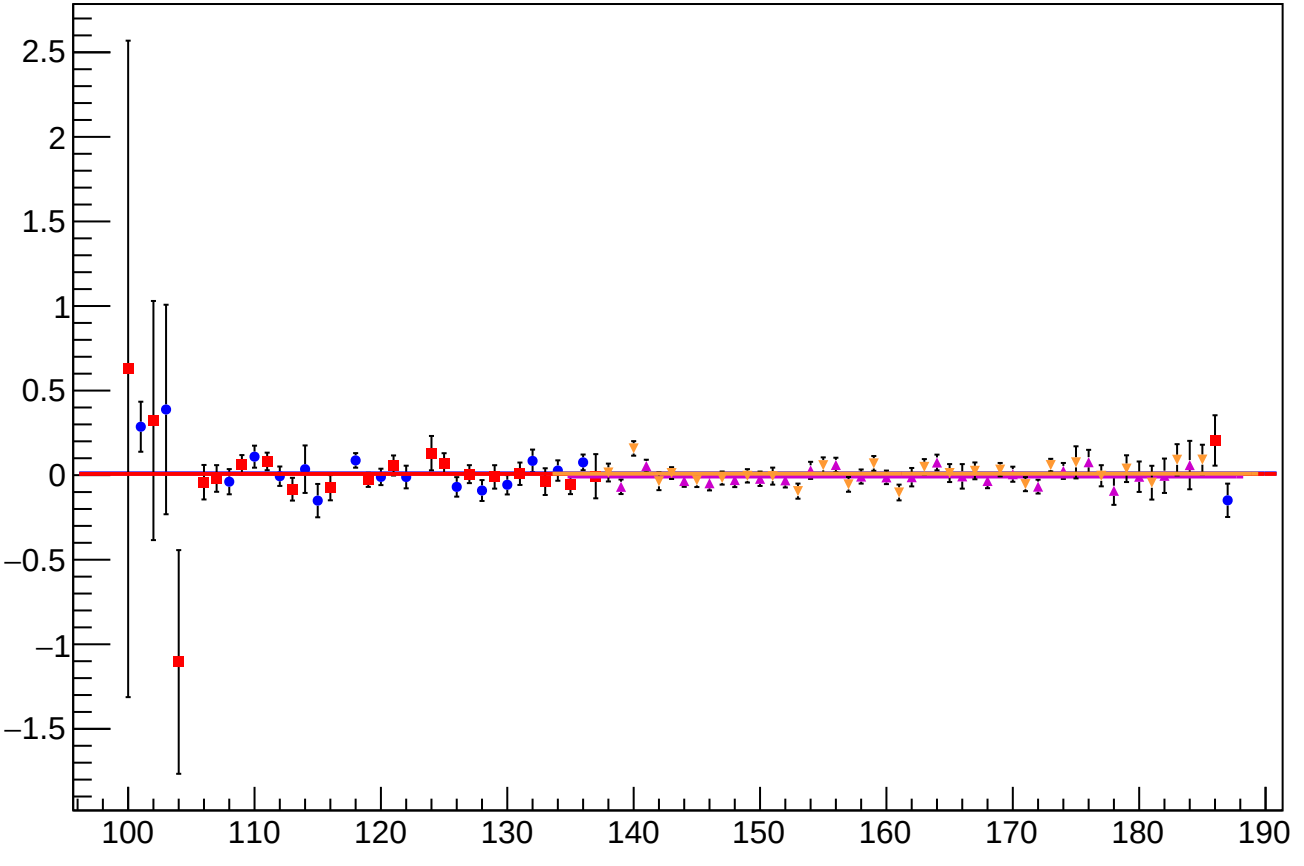
Right: 38.153+/-0.008 χ^2/NDF: 3962722.7/36

In: 38.444+/-0.006 χ^2/NDF:3470218.8/39

Out: 38.138+/-0.006 χ^2/NDF:4189685.2/44

All: 38.287+/-0.004 χ^2/NDF: 7661262.5/84

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.007+/-0.016 χ^2/NDF: 16.7/19

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

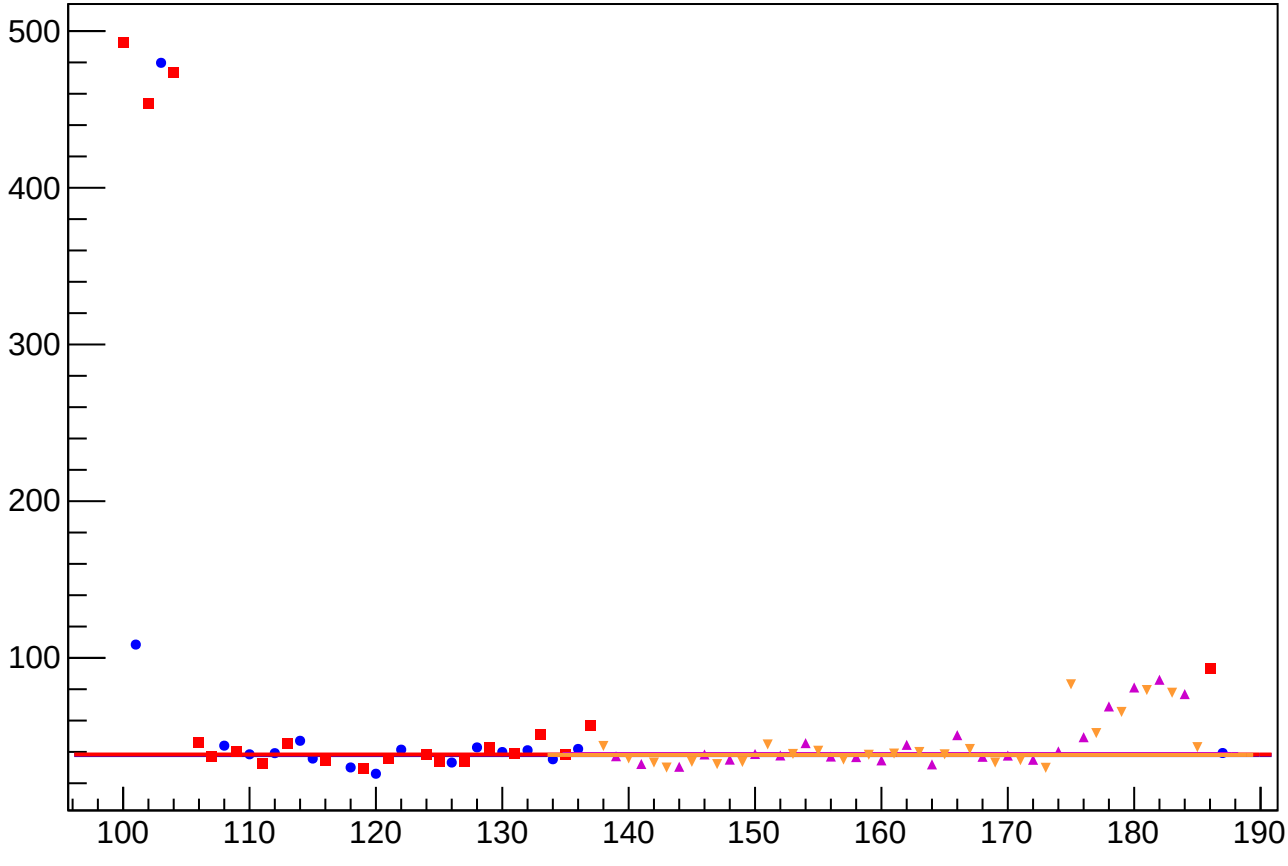
Right: 0.009+/-0.011 χ^2/NDF: 41.4/36

In: -0.003+/-0.008 χ^2/NDF:44.5/39

Out: 0.008+/-0.008 χ^2/NDF:55.3/44

All: 0.003+/-0.006 χ^2/NDF: 100.7/84

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.976+/-0.011 χ^2/NDF: 1740050.0/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 38.335+/-0.011 χ^2/NDF: 2222161.1/19

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

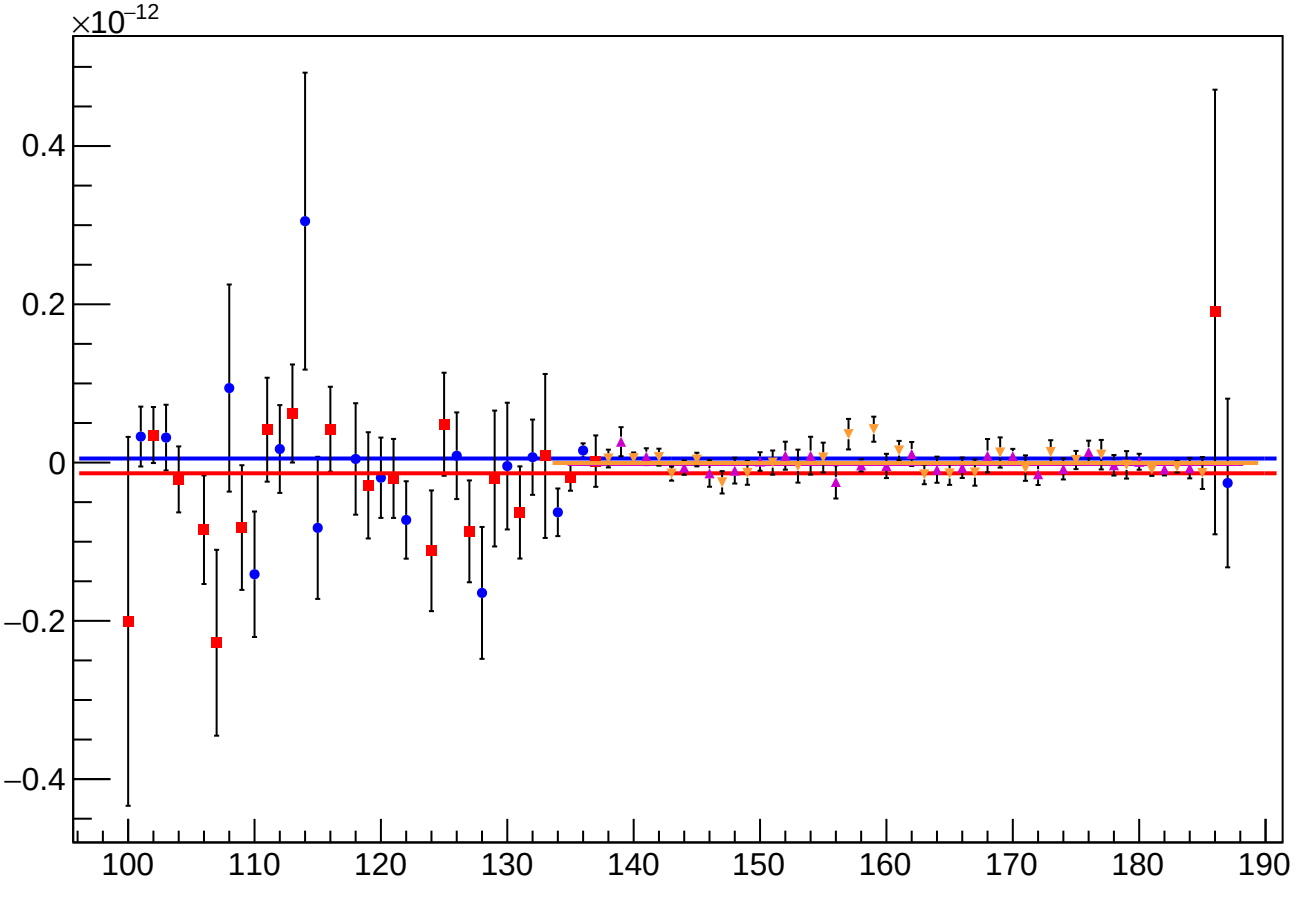
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 38.153+/-0.008 χ^2/NDF: 3962722.7/36

In: 38.444+/-0.006 χ^2/NDF:3470218.8/39

Out: 38.138+/-0.006 χ^2/NDF:4189685.2/44

All: 38.287+/-0.004 χ^2/NDF: 7661262.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/19

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

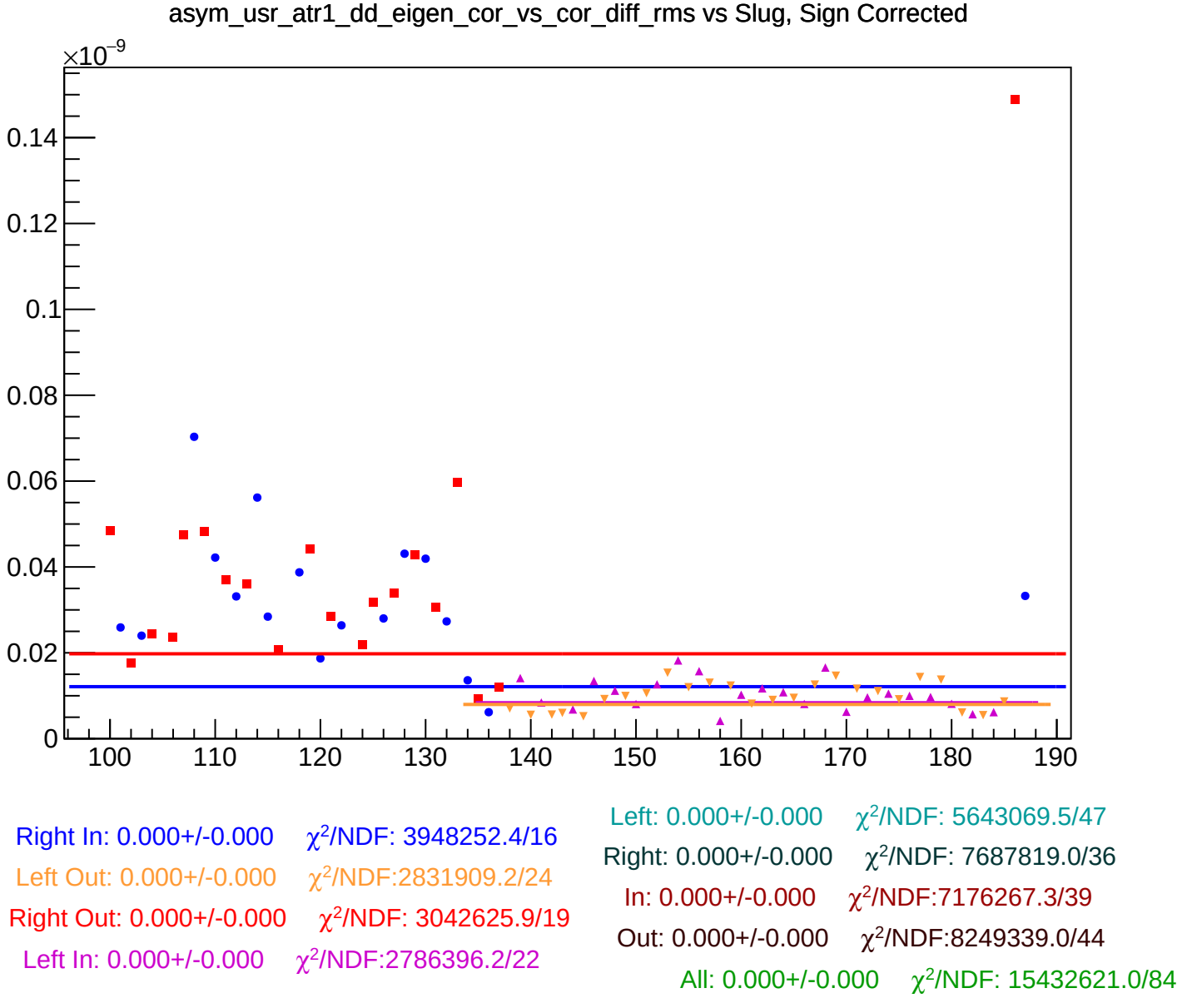
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

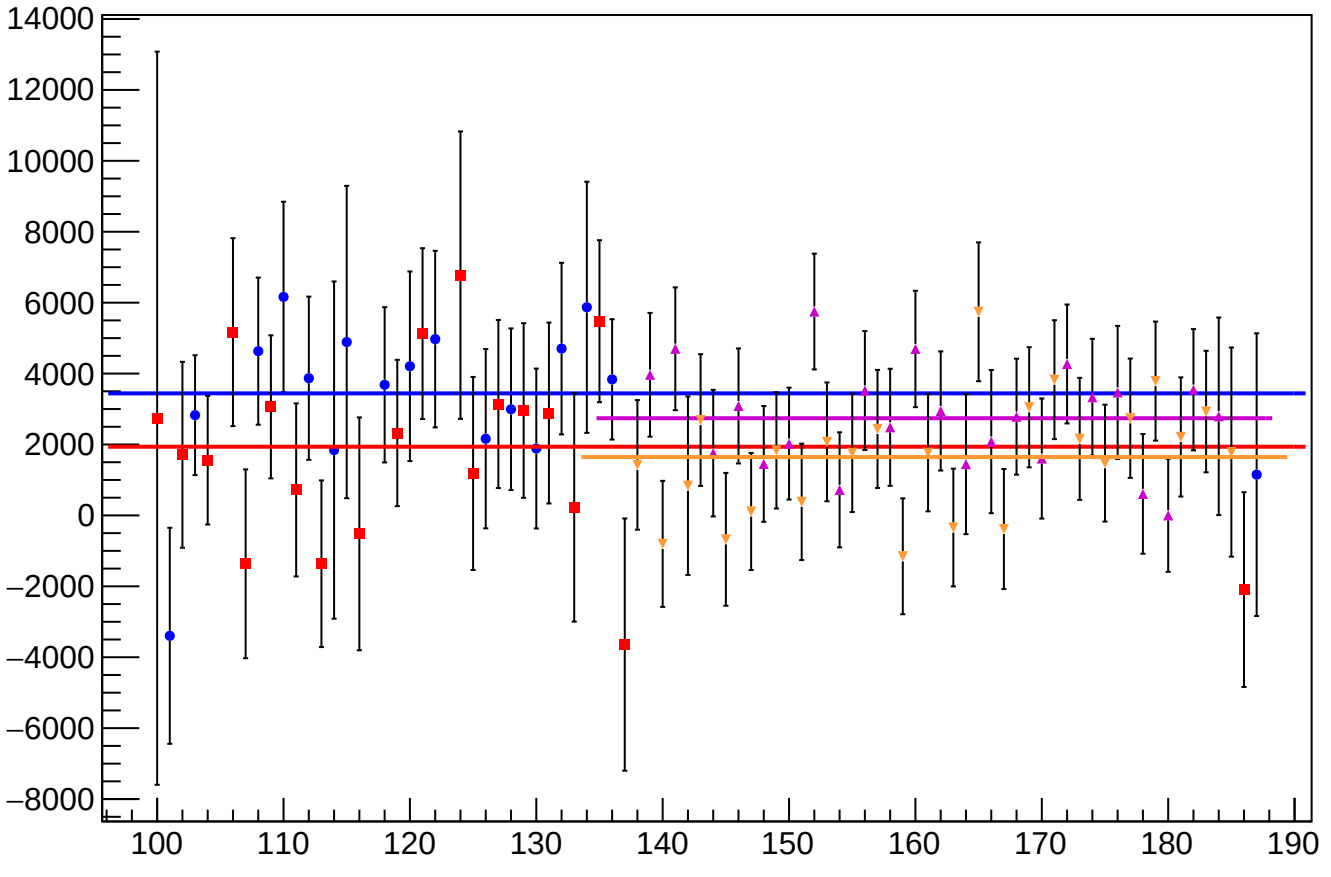
Right: -0.000+/-0.000 χ^2/NDF: 40.3/36

In: -0.000+/-0.000 χ^2/NDF:34.1/39

Out: -0.000+/-0.000 χ^2/NDF:44.9/44

All: -0.000+/-0.000 χ^2/NDF: 79.0/84


asym_usr_atr1_dd_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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3948252.4/16
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3042625.9/19
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
Left: 0.000+/-0.000 χ²/NDF: 5643069.5/47
Right: 0.000+/-0.000 χ²/NDF: 7687819.0/36
In: 0.000+/-0.000 χ²/NDF:7176267.3/39
Out: 0.000+/-0.000 χ²/NDF:8249339.0/44
All: 0.000+/-0.000 χ²/NDF: 15432621.0/84



Right In: 3442.240+/-594.462 χ^2/NDF: 9.1/16

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1937.175+/-574.606 χ^2/NDF: 17.3/19

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

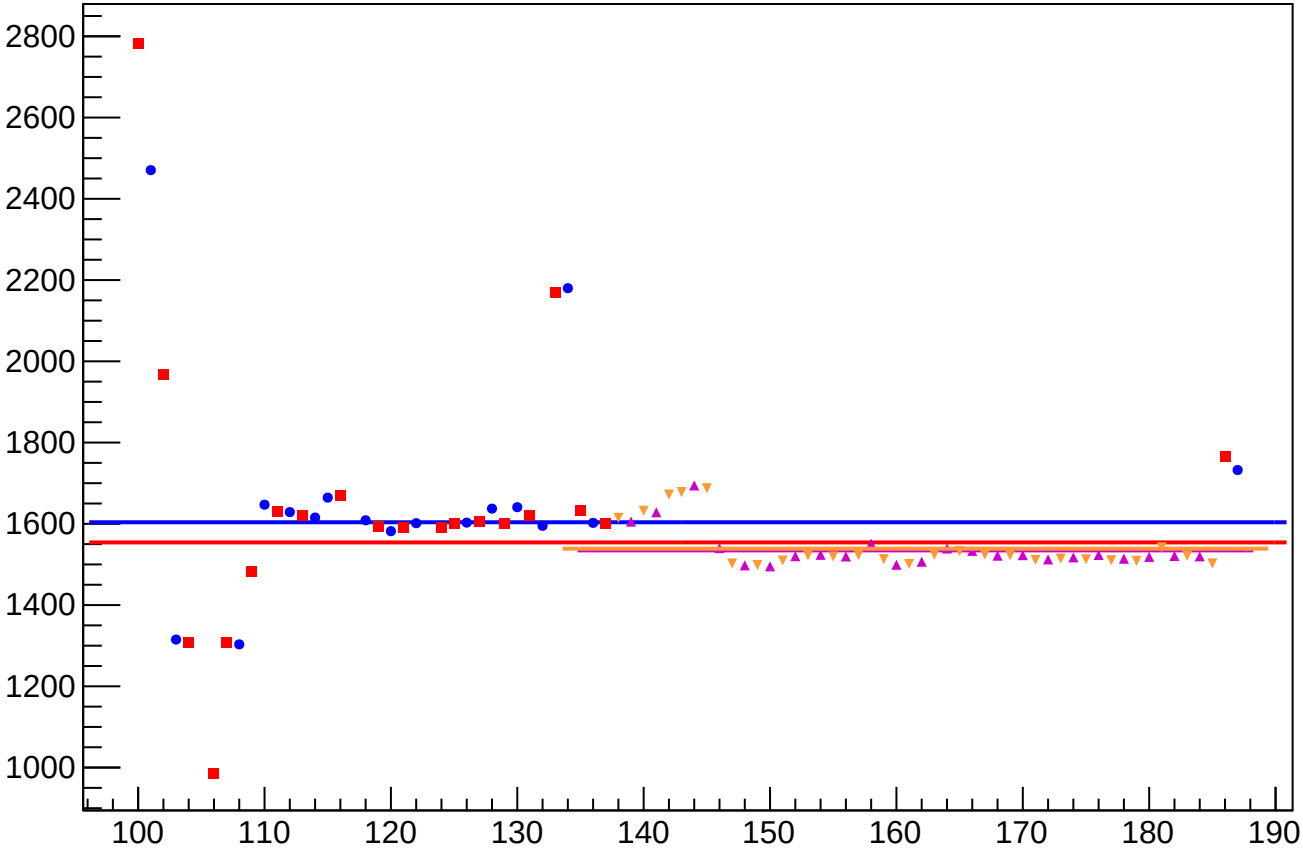
Right: 2664.152+/-413.149 χ^2/NDF: 29.8/36

In: 2927.930+/-306.969 χ^2/NDF:26.6/39

Out: 1725.010+/-298.764 χ^2/NDF:38.6/44

All: 2310.178+/-214.100 χ^2/NDF: 73.1/84

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1603.805+/-0.420 χ^2/NDF: 319543.0/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1554.205+/-0.400 χ^2/NDF: 388597.6/19

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

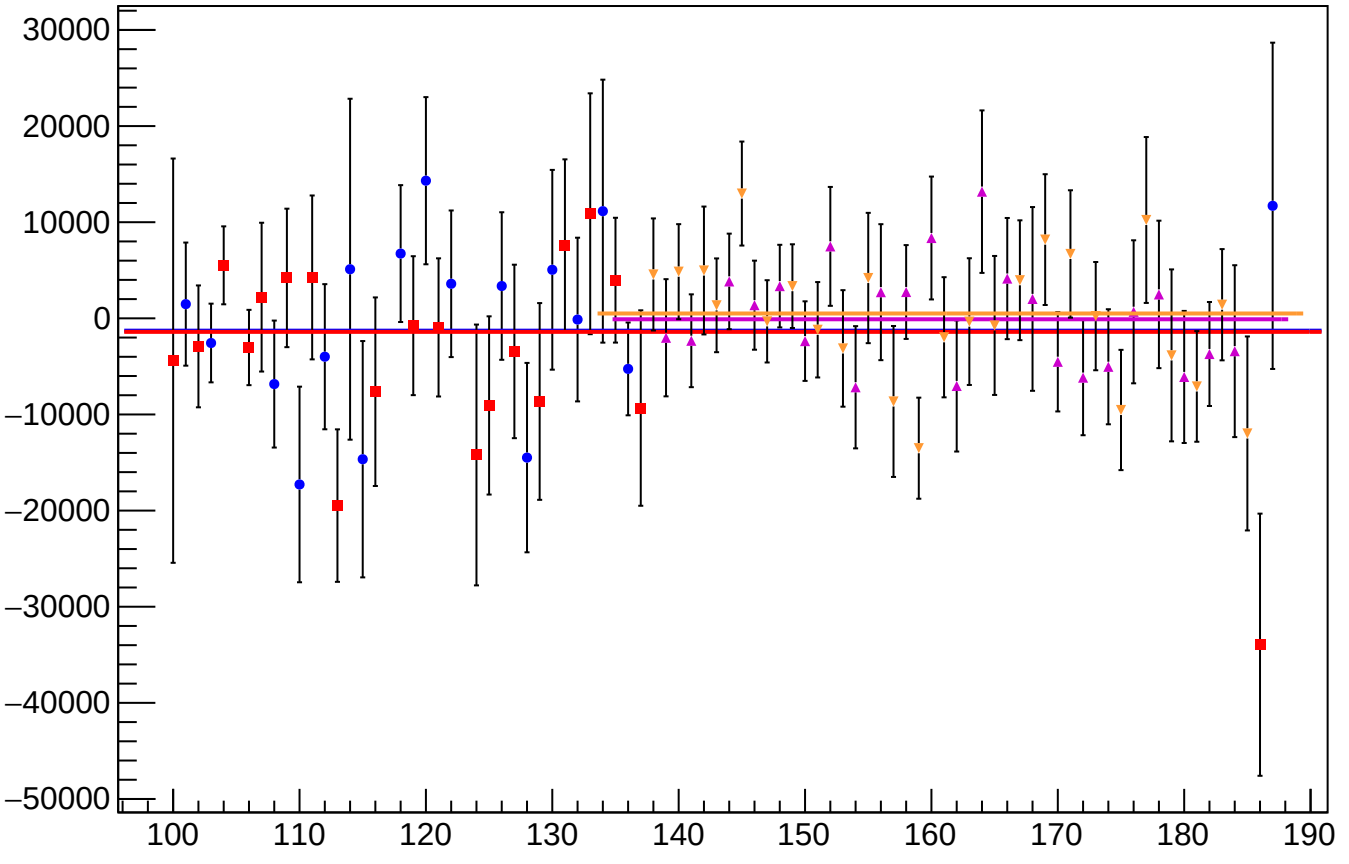
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1577.764+/-0.290 χ^2/NDF: 715450.6/36

In: 1553.064+/-0.217 χ^2/NDF:370532.8/39

Out: 1543.070+/-0.210 χ^2/NDF:436726.1/44

All: 1547.910+/-0.151 χ^2/NDF: 808352.3/84



Right In: -1283.071+/-1837.423 χ^2/NDF: 14.4/16

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -1406.237+/-1656.909 χ^2/NDF: 21.1/19

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

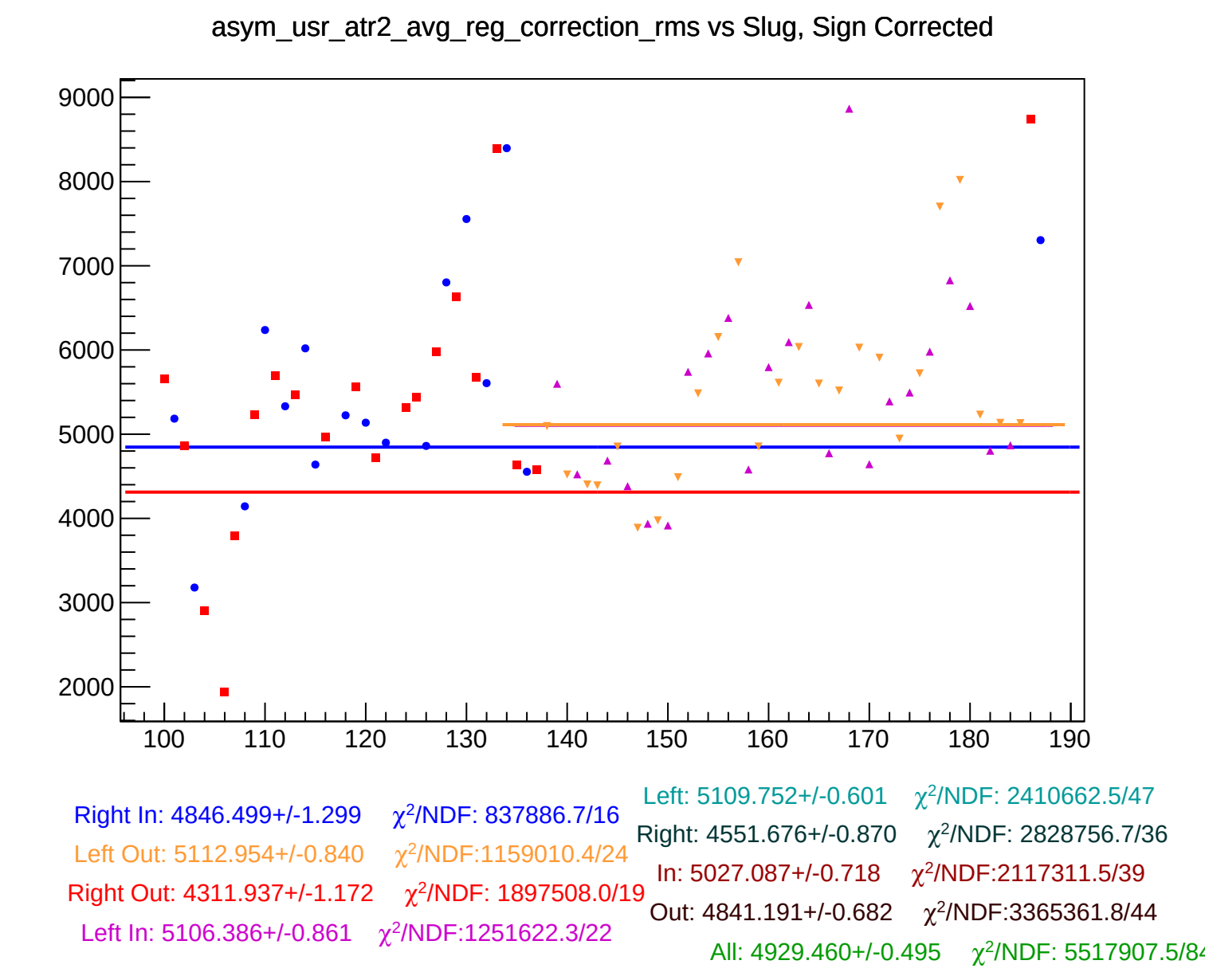
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

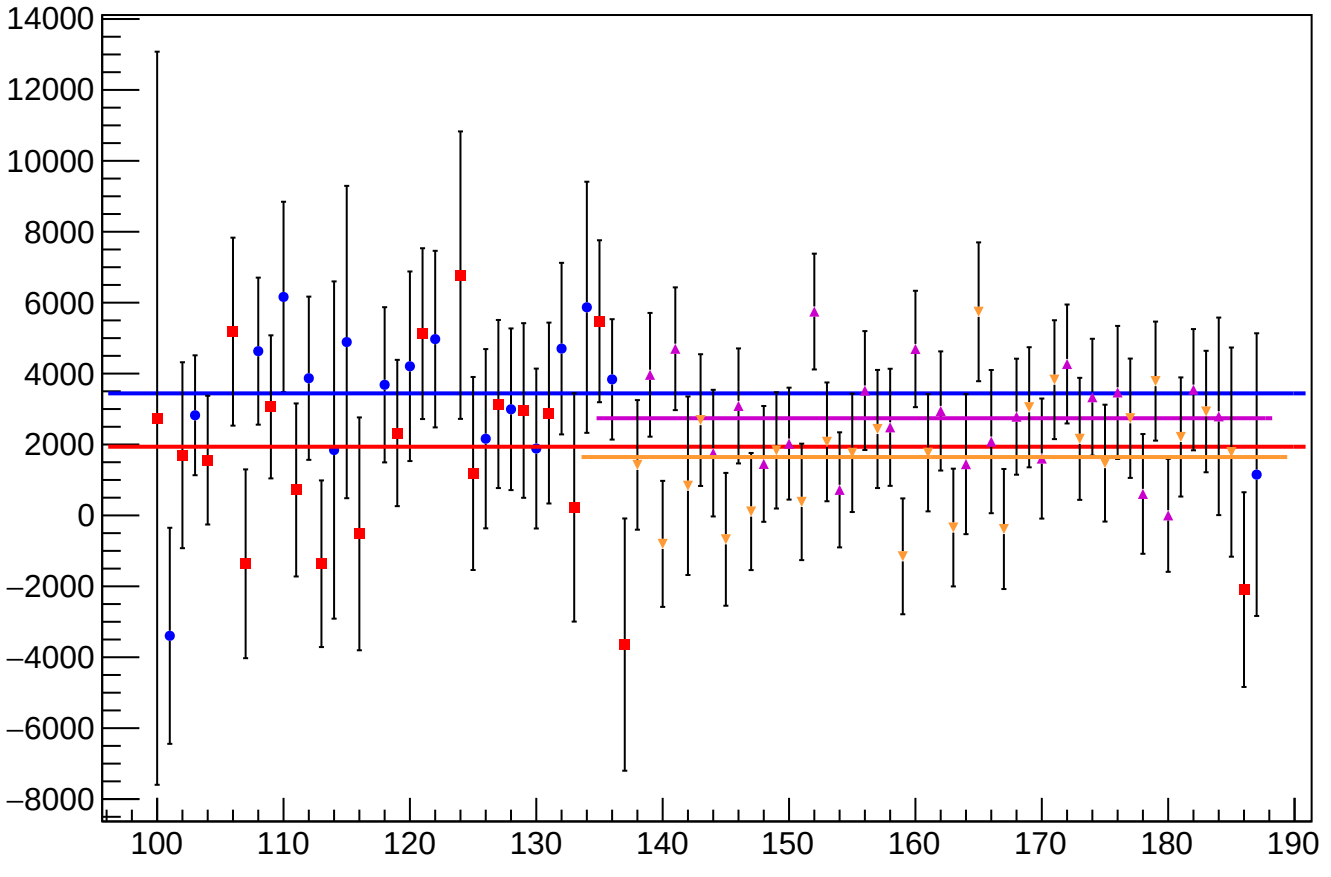
Right: -1351.000+/-1230.495 χ^2/NDF: 35.6/36

In: -459.538+/-1014.965 χ^2/NDF:29.6/39

Out: -144.193+/-965.102 χ^2/NDF:48.8/44

All: -293.929+/-699.394 χ^2/NDF: 78.5/84


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 4846.499+/-1.299 χ²/NDF: 837886.7/16
Left Out: 5112.954+/-0.840 χ²/NDF:1159010.4/24
Right Out: 4311.937+/-1.172 χ²/NDF: 1897508.0/19
Left In: 5106.386+/-0.861 χ²/NDF:1251622.3/22
Left: 5109.752+/-0.601 χ²/NDF: 2410662.5/47
Right: 4551.676+/-0.870 χ²/NDF: 2828756.7/36
In: 5027.087+/-0.718 χ²/NDF:2117311.5/39
Out: 4841.191+/-0.682 χ²/NDF:3365361.8/44
All: 4929.460+/-0.495 χ²/NDF: 5517907.5/84



Right In: 3441.930+/-594.462 χ^2/NDF: 9.2/16

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1937.171+/-574.609 χ^2/NDF: 17.3/19

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

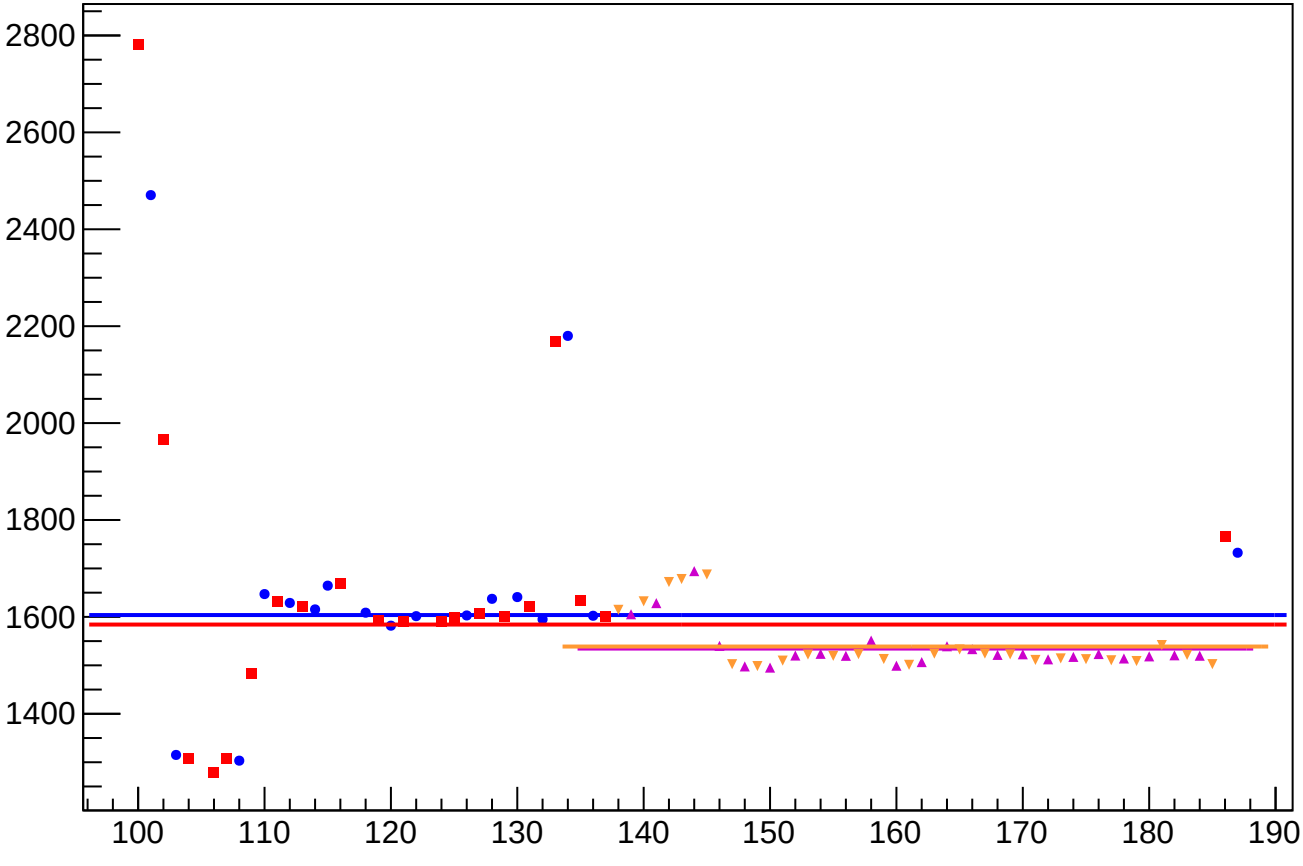
Right: 2664.003+/-413.150 χ^2/NDF: 29.8/36

In: 2927.775+/-306.969 χ^2/NDF:26.6/39

Out: 1724.930+/-298.764 χ^2/NDF:38.6/44

All: 2310.062+/-214.100 χ^2/NDF: 73.1/84

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1603.805+/-0.420 χ^2/NDF: 319542.1/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1584.179+/-0.405 χ^2/NDF: 252537.8/19

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

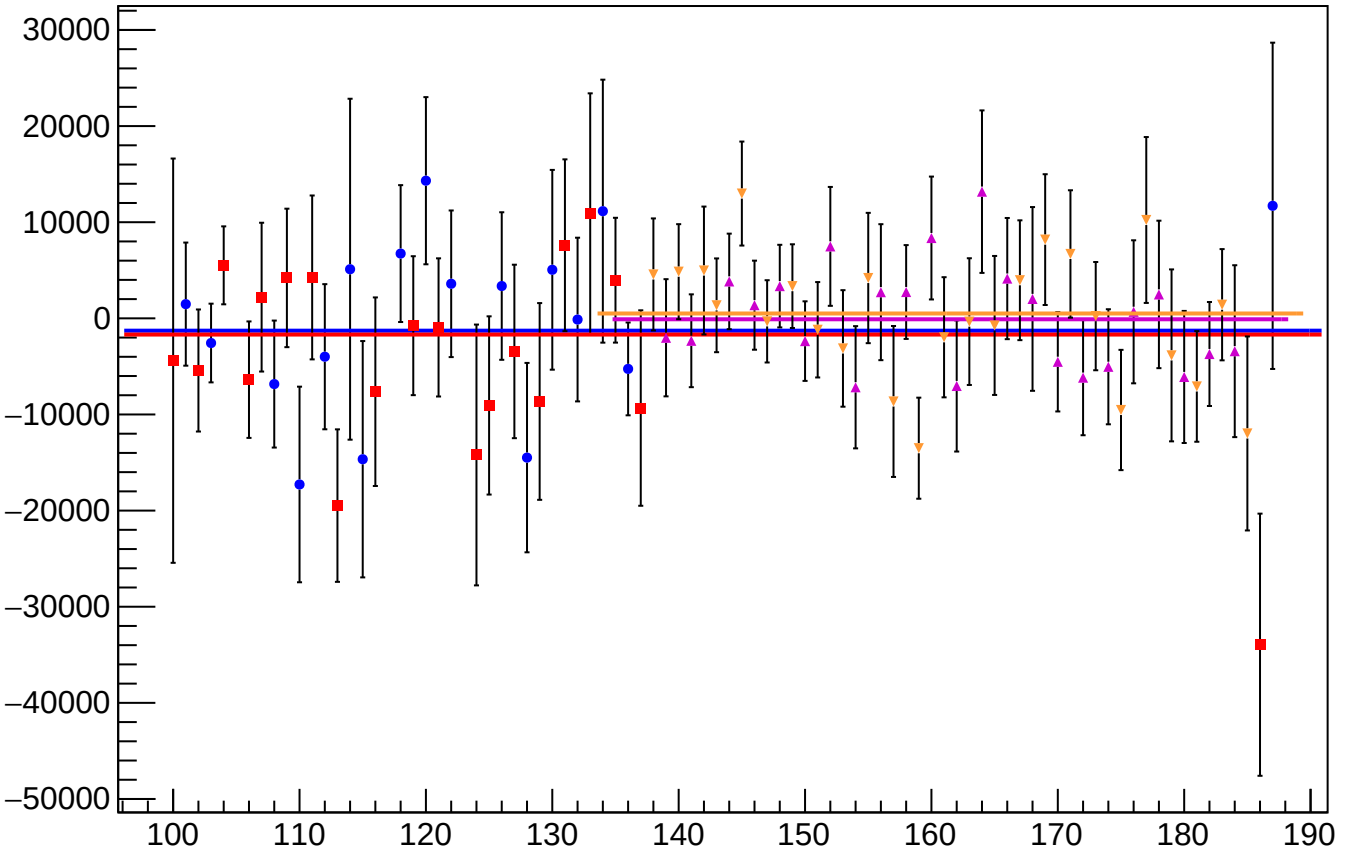
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1593.622+/-0.292 χ^2/NDF: 573211.0/36

In: 1553.064+/-0.217 χ^2/NDF:370532.1/39

Out: 1551.143+/-0.211 χ^2/NDF:308741.8/44

All: 1552.076+/-0.151 χ^2/NDF: 679314.2/84



Right In: -1283.302+/-1837.460 χ^2/NDF: 14.4/16

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -1686.999+/-1750.772 χ^2/NDF: 21.9/19

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

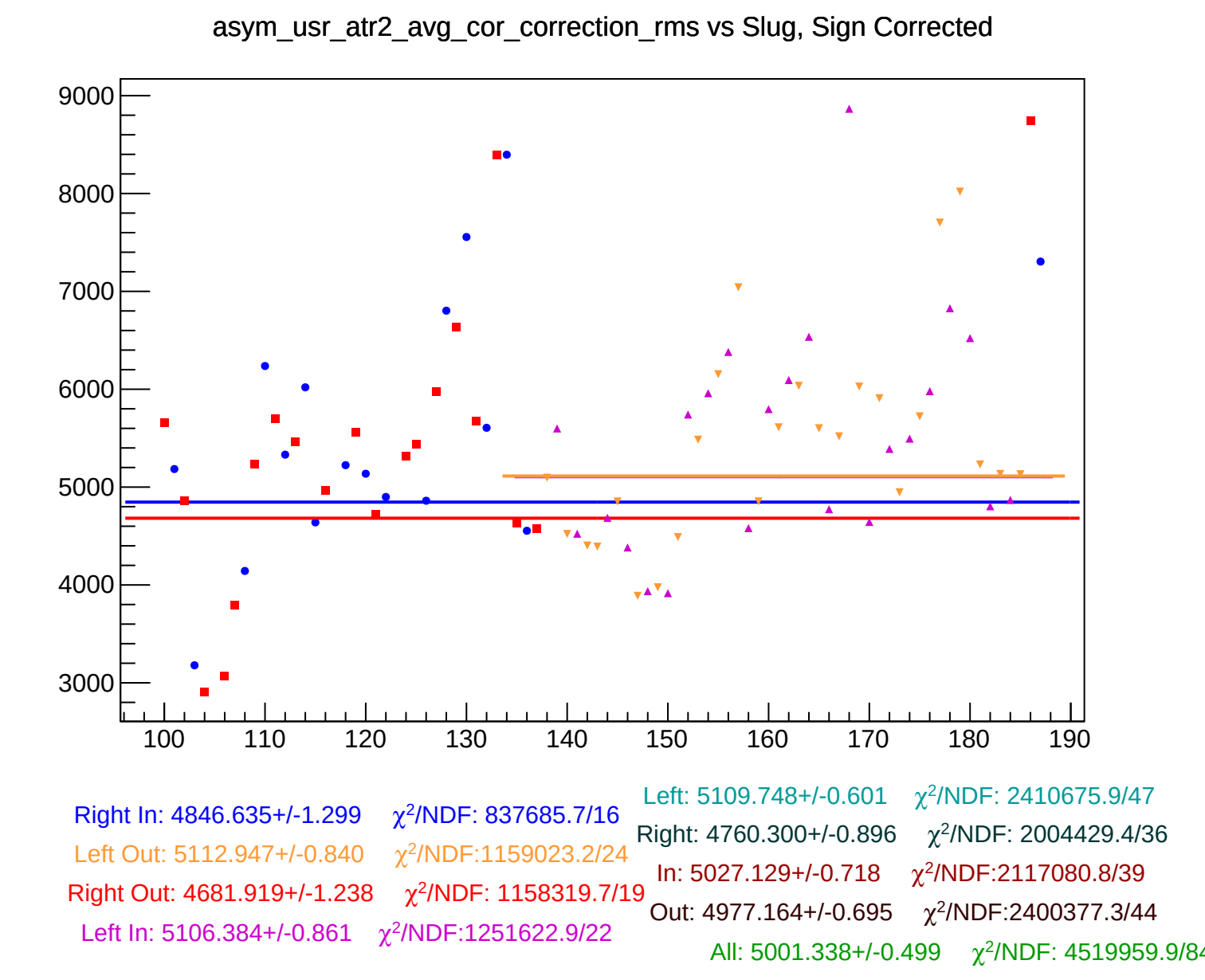
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

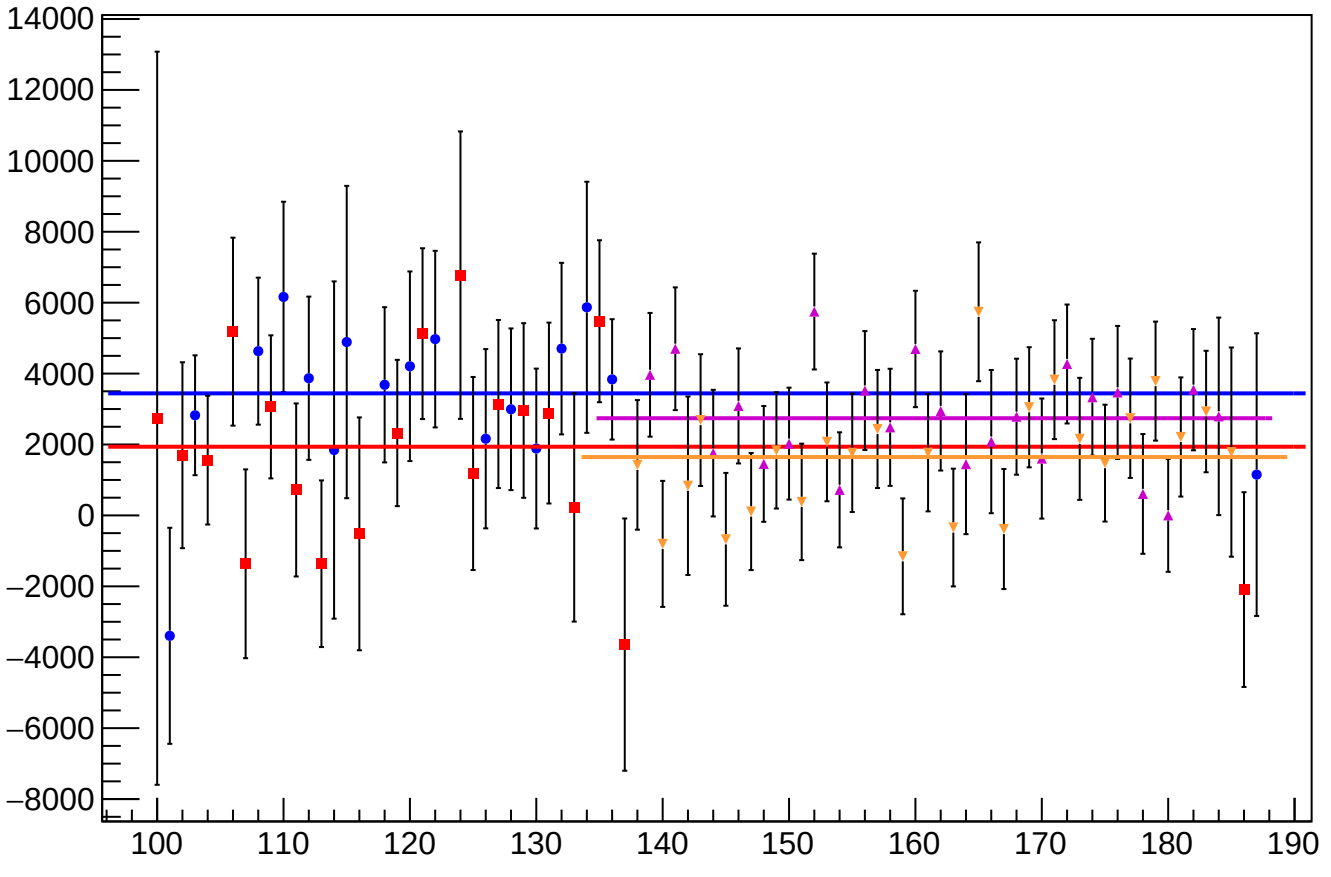
Right: -1494.898+/-1267.521 χ^2/NDF: 36.4/36

In: -459.612+/-1014.971 χ^2/NDF:29.6/39

Out: -186.316+/-982.652 χ^2/NDF:49.8/44

All: -318.543+/-705.989 χ^2/NDF: 79.5/84


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 4846.635+/-1.299 χ²/NDF: 837685.7/16
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 4681.919+/-1.238 χ²/NDF: 1158319.7/19
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 4760.300+/-0.896 χ²/NDF: 2004429.4/36
In: 5027.129+/-0.718 χ²/NDF:2117080.8/39
Out: 4977.164+/-0.695 χ²/NDF:2400377.3/44
All: 5001.338+/-0.499 χ²/NDF: 4519959.9/84



Right In: 3441.930+/-594.462 χ^2/NDF: 9.2/16

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1937.171+/-574.609 χ^2/NDF: 17.3/19

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

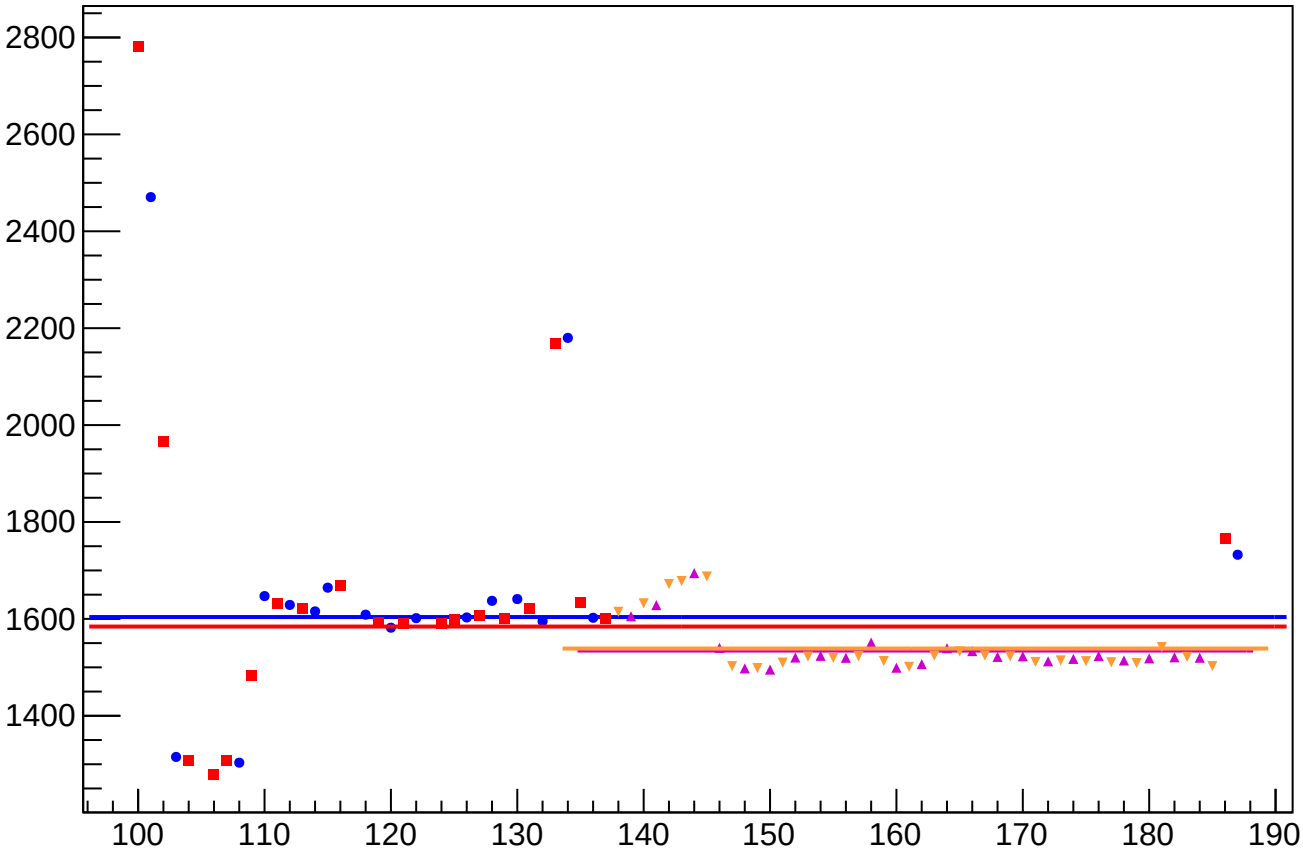
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2664.003+/-413.150 χ^2/NDF: 29.8/36

In: 2927.775+/-306.969 χ^2/NDF:26.6/39

Out: 1724.930+/-298.764 χ^2/NDF:38.6/44

All: 2310.062+/-214.100 χ^2/NDF: 73.1/84



Right In: 1603.805+/-0.420 χ^2/NDF: 319542.1/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1584.179+/-0.405 χ^2/NDF: 252537.8/19

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

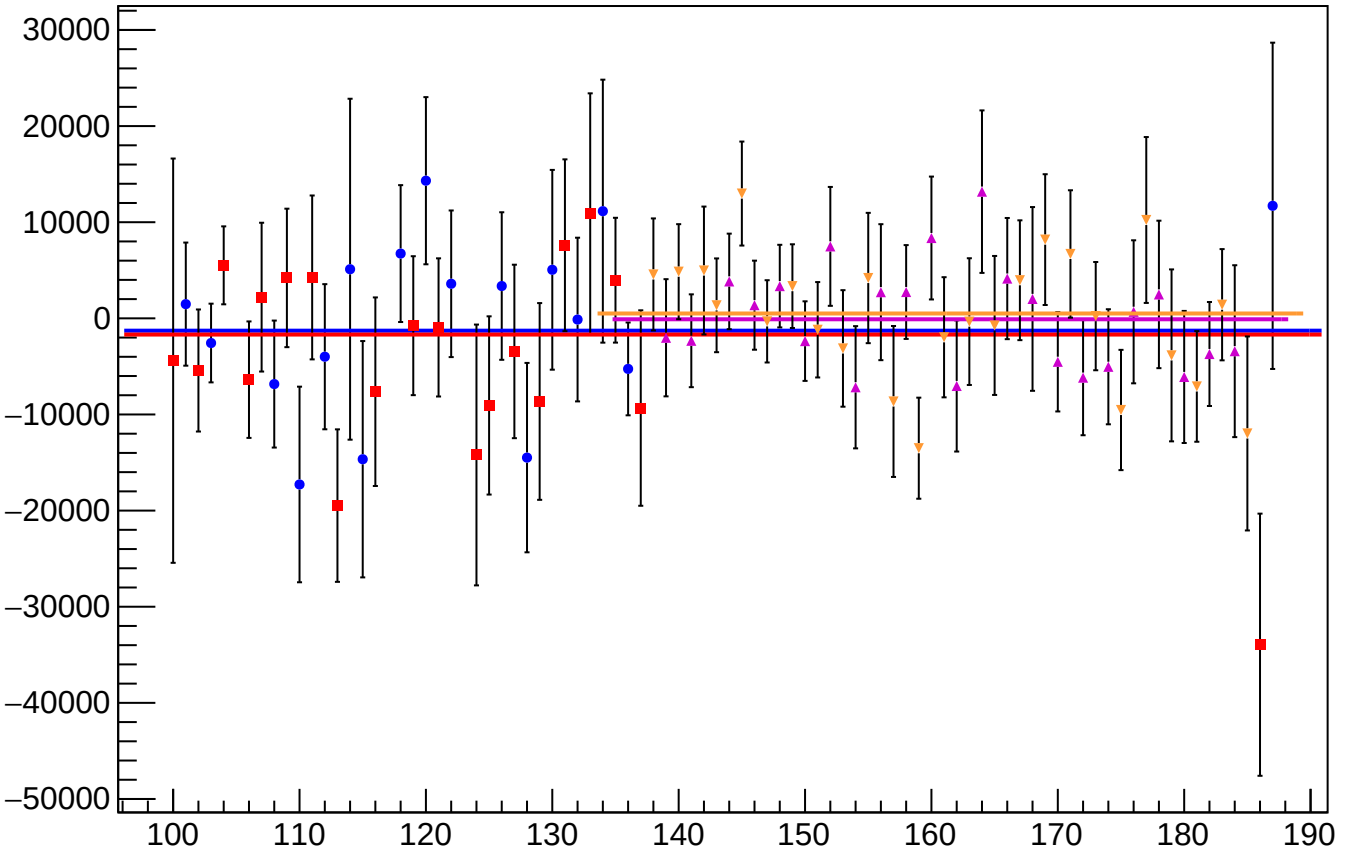
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1593.622+/-0.292 χ^2/NDF: 573211.0/36

In: 1553.064+/-0.217 χ^2/NDF:370532.1/39

Out: 1551.143+/-0.211 χ^2/NDF:308741.8/44

All: 1552.076+/-0.151 χ^2/NDF: 679314.2/84



Right In: -1283.302+/-1837.460 χ^2/NDF: 14.4/16

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -1686.999+/-1750.772 χ^2/NDF: 21.9/19

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

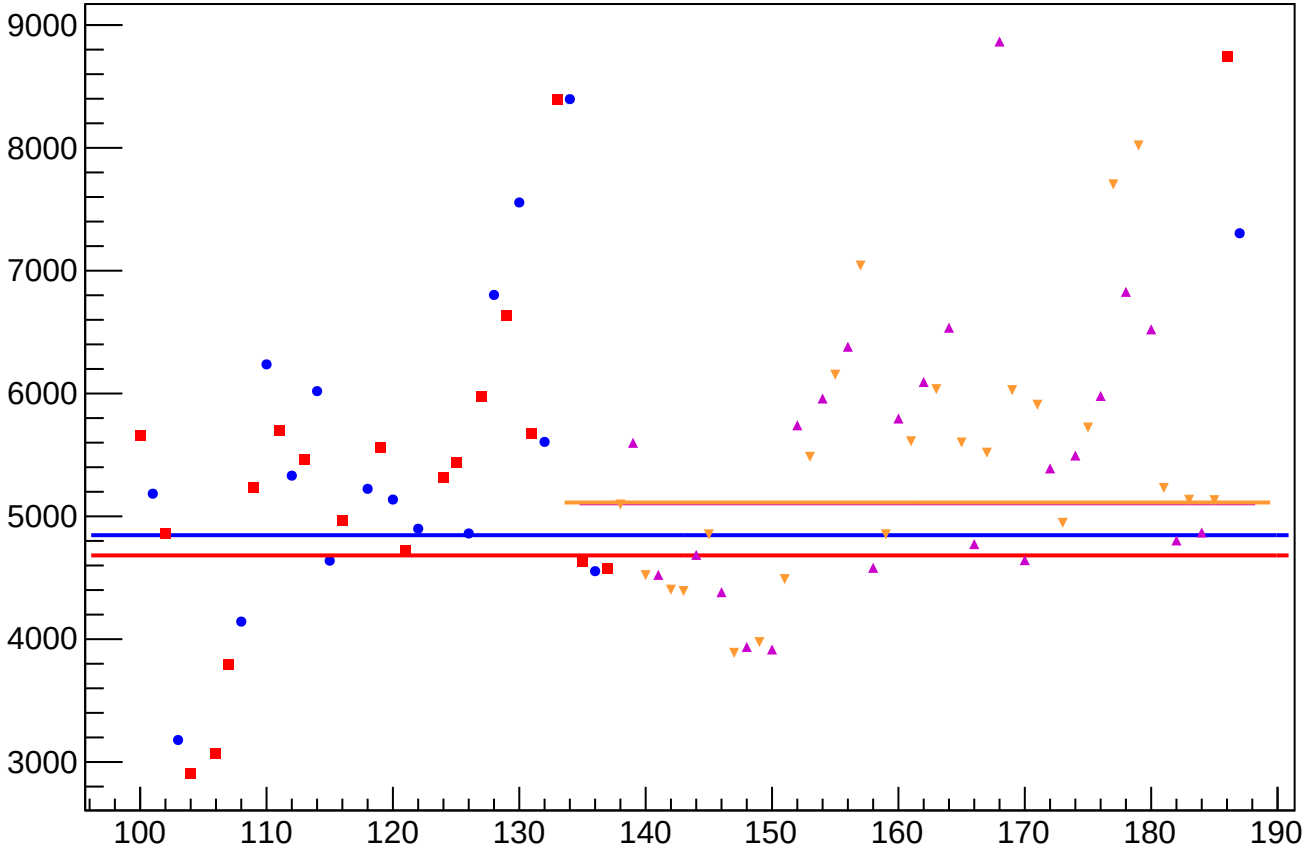
Right: -1494.898+/-1267.521 χ^2/NDF: 36.4/36

In: -459.612+/-1014.971 χ^2/NDF:29.6/39

Out: -186.316+/-982.652 χ^2/NDF:49.8/44

All: -318.543+/-705.989 χ^2/NDF: 79.5/84

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4846.635+/-1.299 χ^2/NDF: 837685.7/16

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4681.919+/-1.238 χ^2/NDF: 1158319.7/19

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

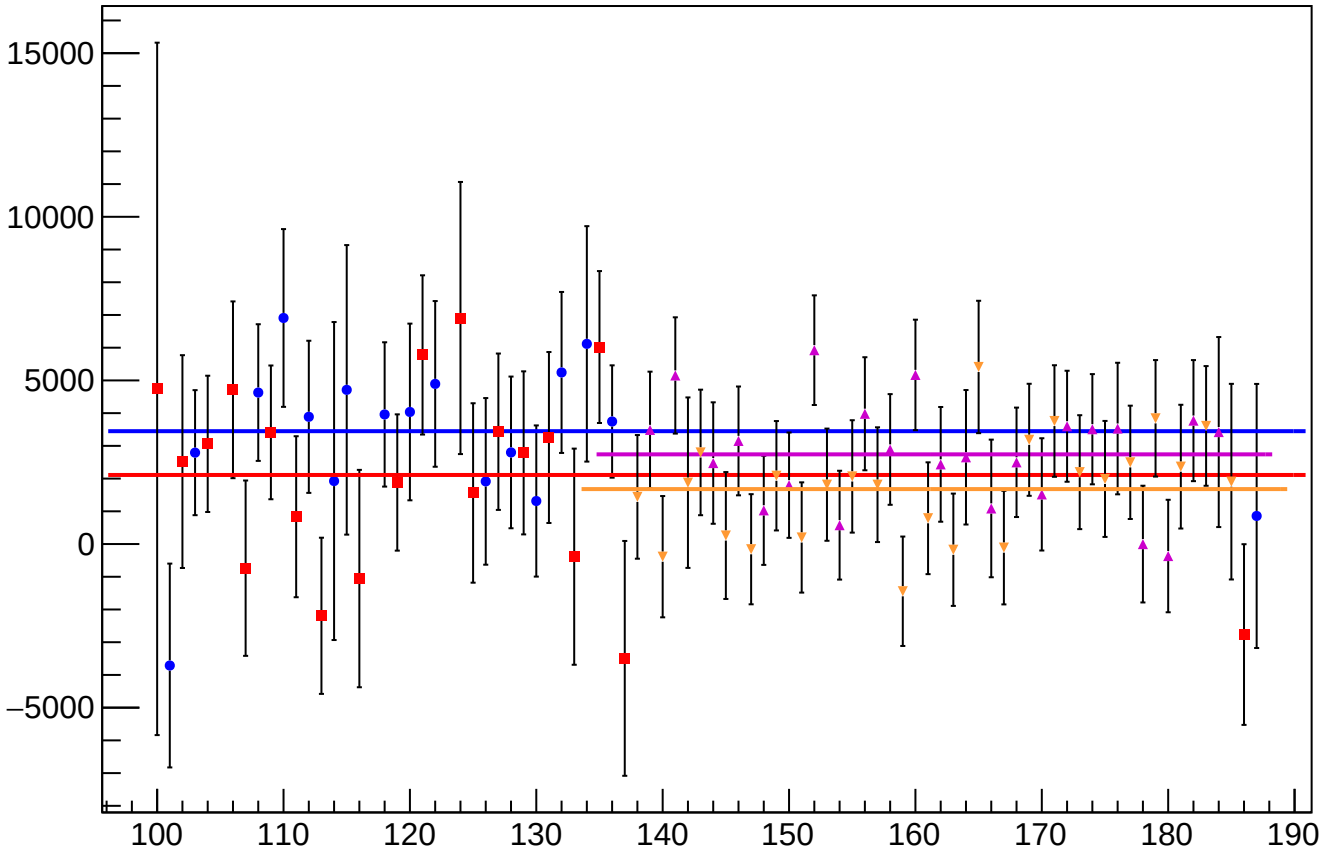
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 4760.300+/-0.896 χ^2/NDF: 2004429.4/36

In: 5027.129+/-0.718 χ^2/NDF:2117080.8/39

Out: 4977.164+/-0.695 χ^2/NDF:2400377.3/44

All: 5001.338+/-0.499 χ^2/NDF: 4519959.9/84



Right In: 3448.975+/-609.645 χ^2/NDF: 10.8/16

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 2110.732+/-593.308 χ^2/NDF: 20.4/19

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

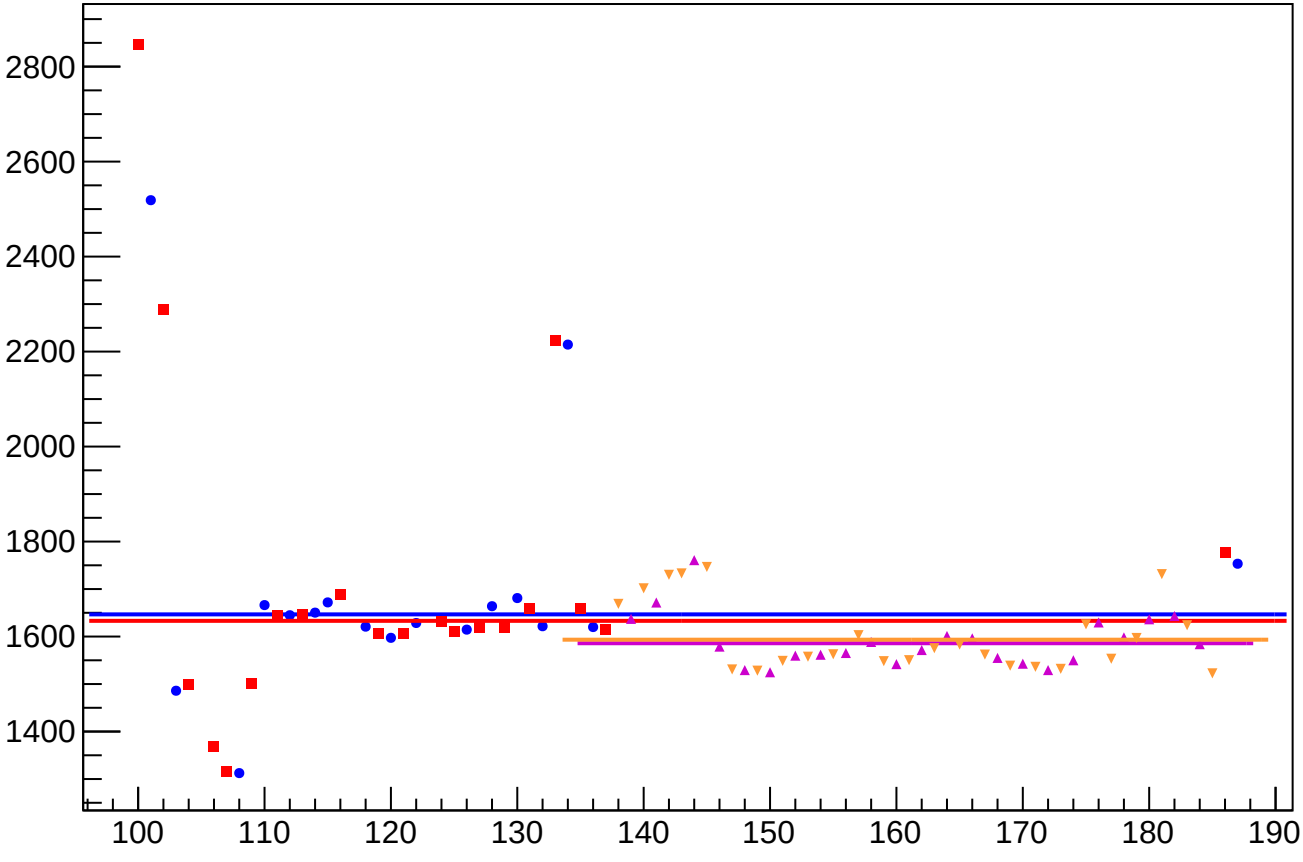
Right: 2761.683+/-425.190 χ^2/NDF: 33.7/36

In: 2931.790+/-316.681 χ^2/NDF:31.0/39

Out: 1796.423+/-309.265 χ^2/NDF:39.7/44

All: 2350.656+/-221.259 χ^2/NDF: 77.3/84

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1646.689+/-0.431 χ^2/NDF: 276246.9/16

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1633.080+/-0.419 χ^2/NDF: 243254.4/19

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

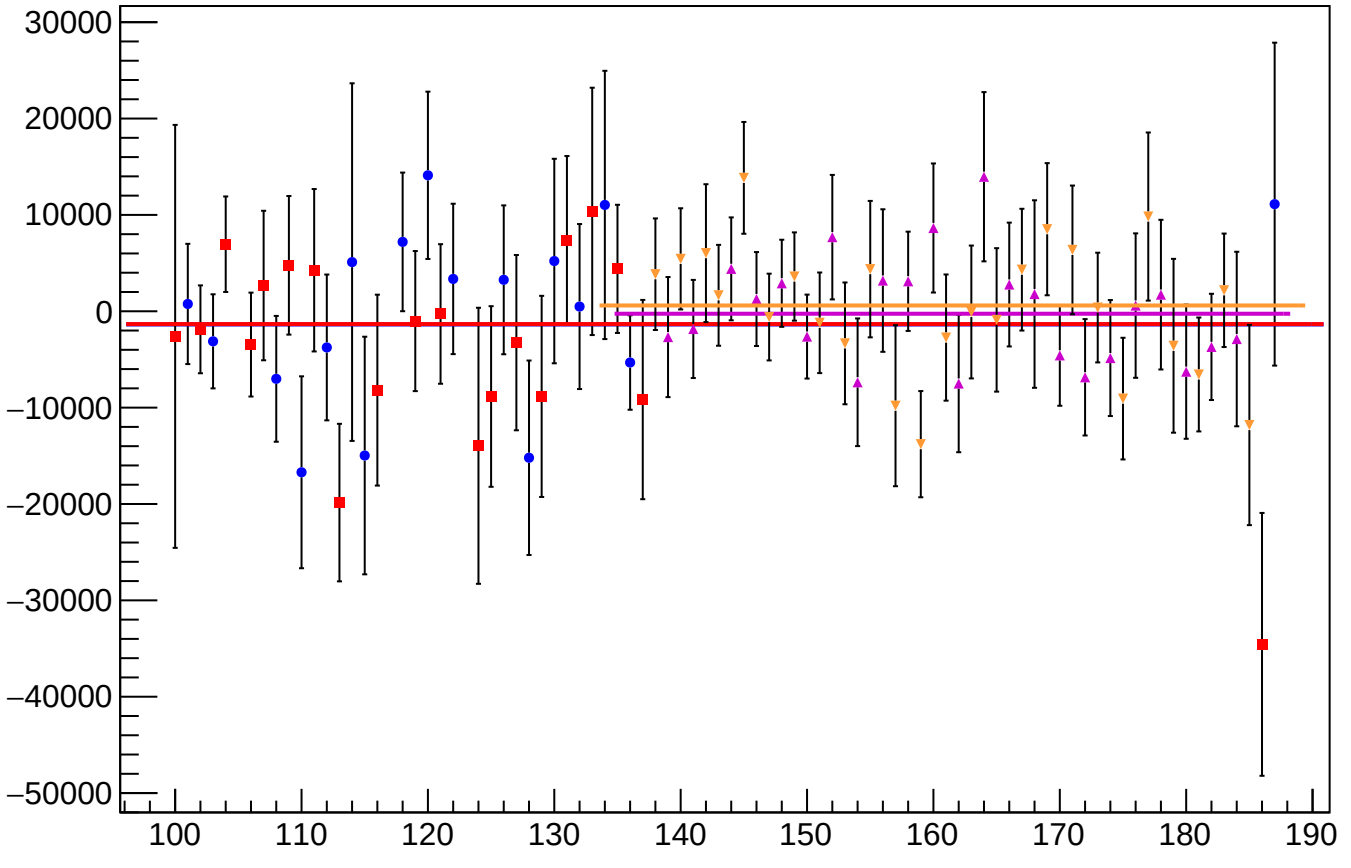
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1639.694+/-0.301 χ^2/NDF: 520013.5/36

In: 1602.316+/-0.224 χ^2/NDF:332673.0/39

Out: 1604.186+/-0.219 χ^2/NDF:321657.9/44

All: 1603.273+/-0.156 χ^2/NDF: 654366.6/84



Right In: -1369.232+/-1901.438 χ^2/NDF: 14.4/16

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1330.467+/-1734.372 χ^2/NDF: 21.1/19

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

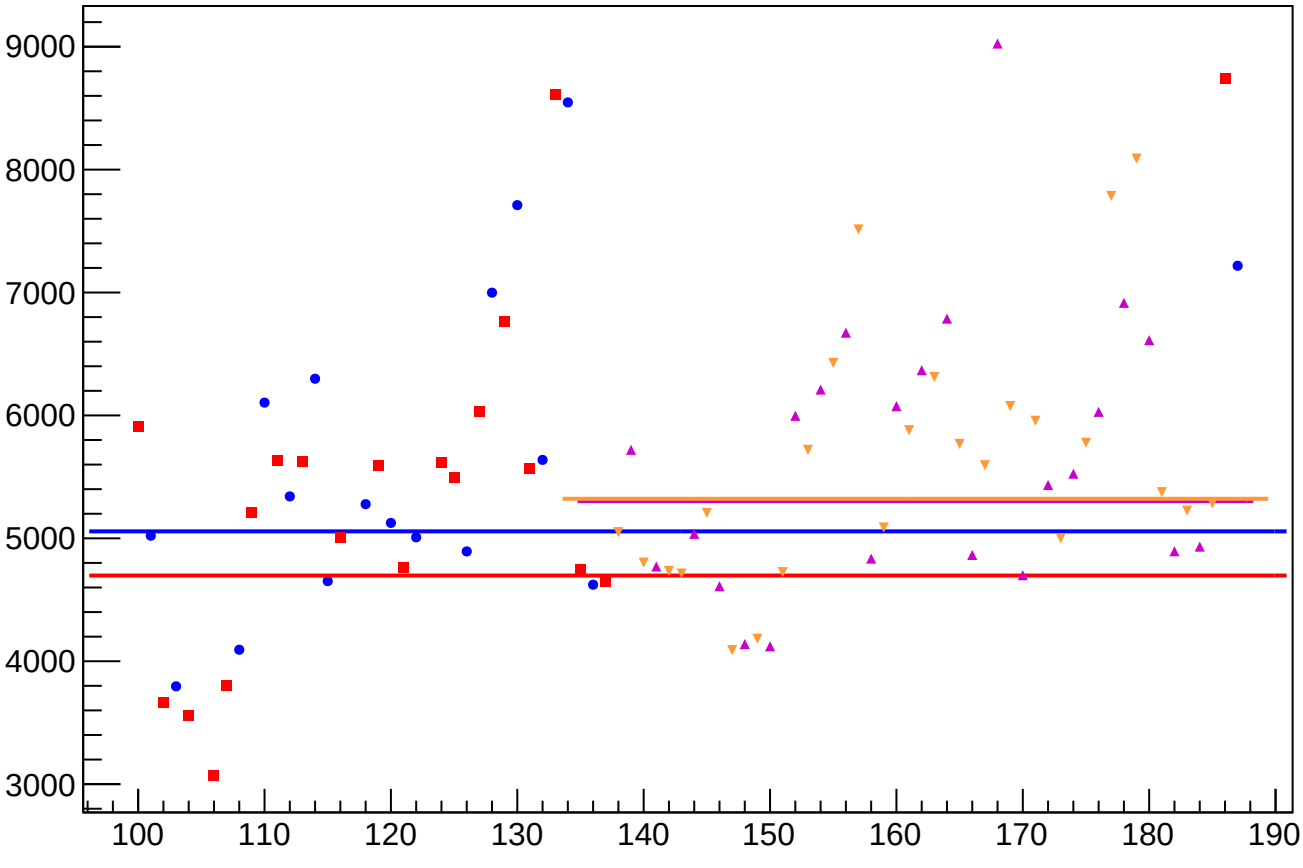
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1348.072+/-1281.387 χ^2/NDF: 35.5/36

In: -596.589+/-1051.832 χ^2/NDF:29.3/39

Out: -47.293+/-1005.233 χ^2/NDF:47.9/44

All: -309.504+/-726.723 χ^2/NDF: 77.4/84



Right In: 5056.640+/-1.345 χ^2/NDF: 599170.8/16

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4697.359+/-1.226 χ^2/NDF: 1042198.7/19

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

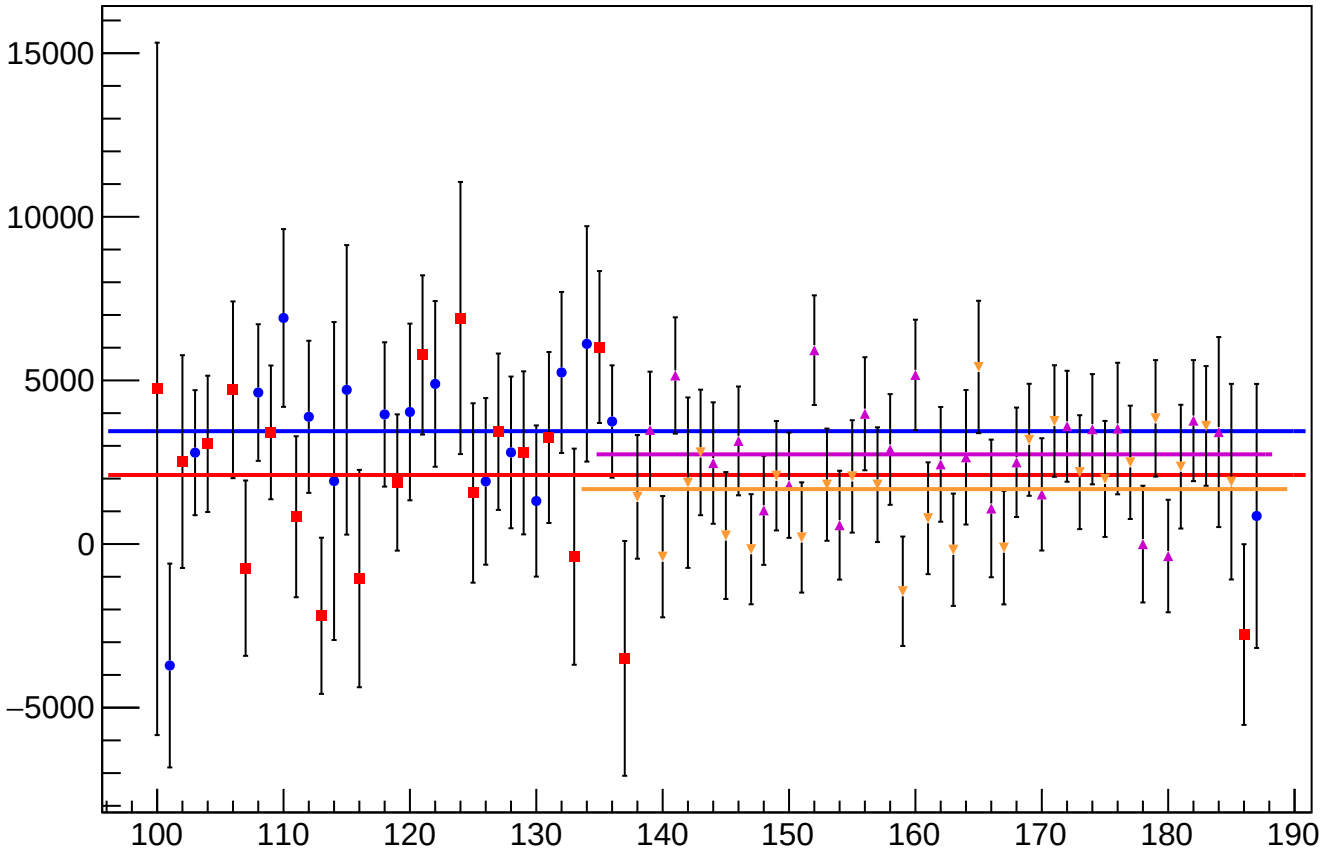
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 4860.525+/-0.906 χ^2/NDF: 1680346.6/36

In: 5227.508+/-0.744 χ^2/NDF:1774818.9/39

Out: 5112.135+/-0.711 χ^2/NDF:2251457.6/44

All: 5167.209+/-0.514 χ^2/NDF: 4038852.7/84



Right In: 3448.979+/-609.645 χ^2/NDF: 10.8/16

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 2110.742+/-593.308 χ^2/NDF: 20.4/19

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

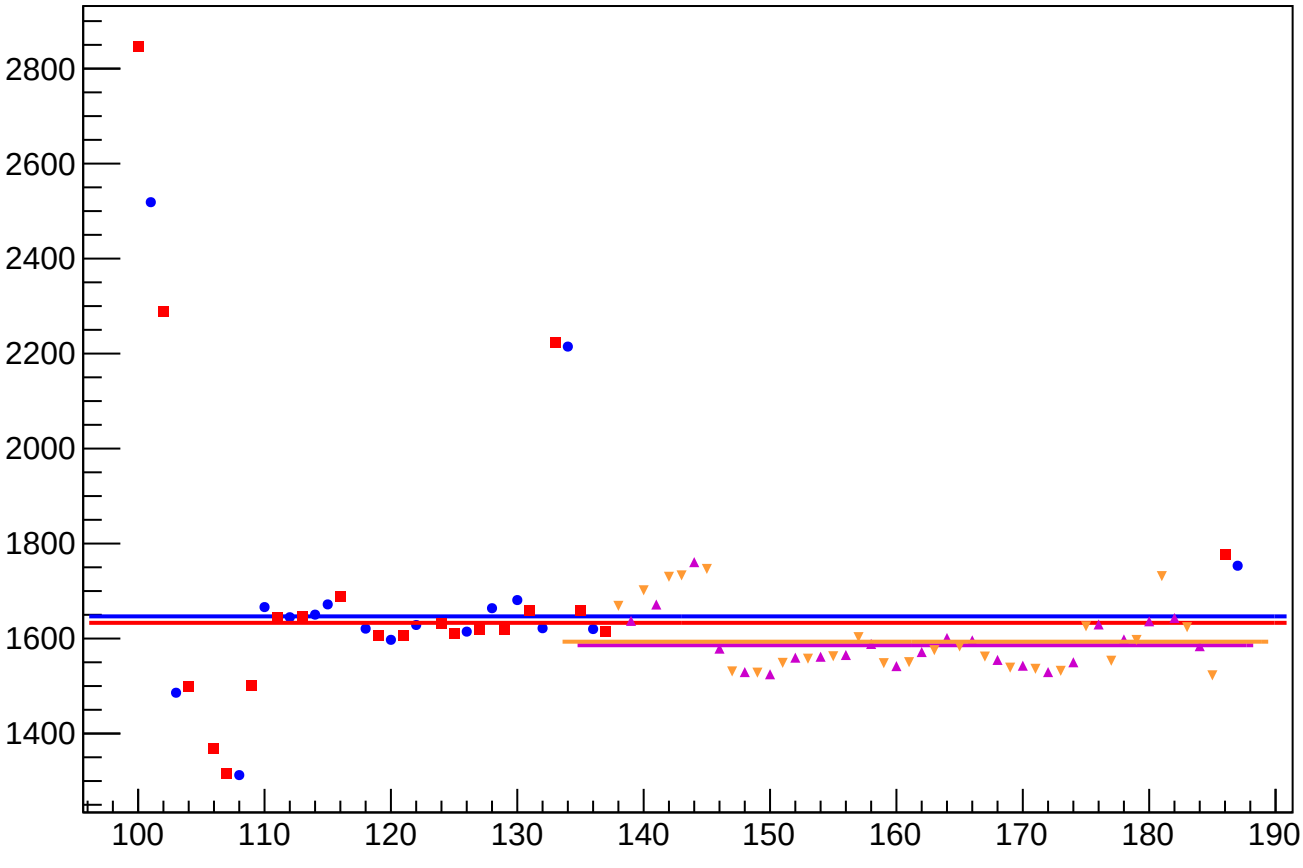
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2761.690+/-425.190 χ^2/NDF: 33.7/36

In: 2931.791+/-316.681 χ^2/NDF:31.0/39

Out: 1796.421+/-309.265 χ^2/NDF:39.7/44

All: 2350.656+/-221.259 χ^2/NDF: 77.3/84



Right In: 1646.688+/-0.431 χ^2/NDF: 276247.1/16

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1633.080+/-0.419 χ^2/NDF: 243254.0/19

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

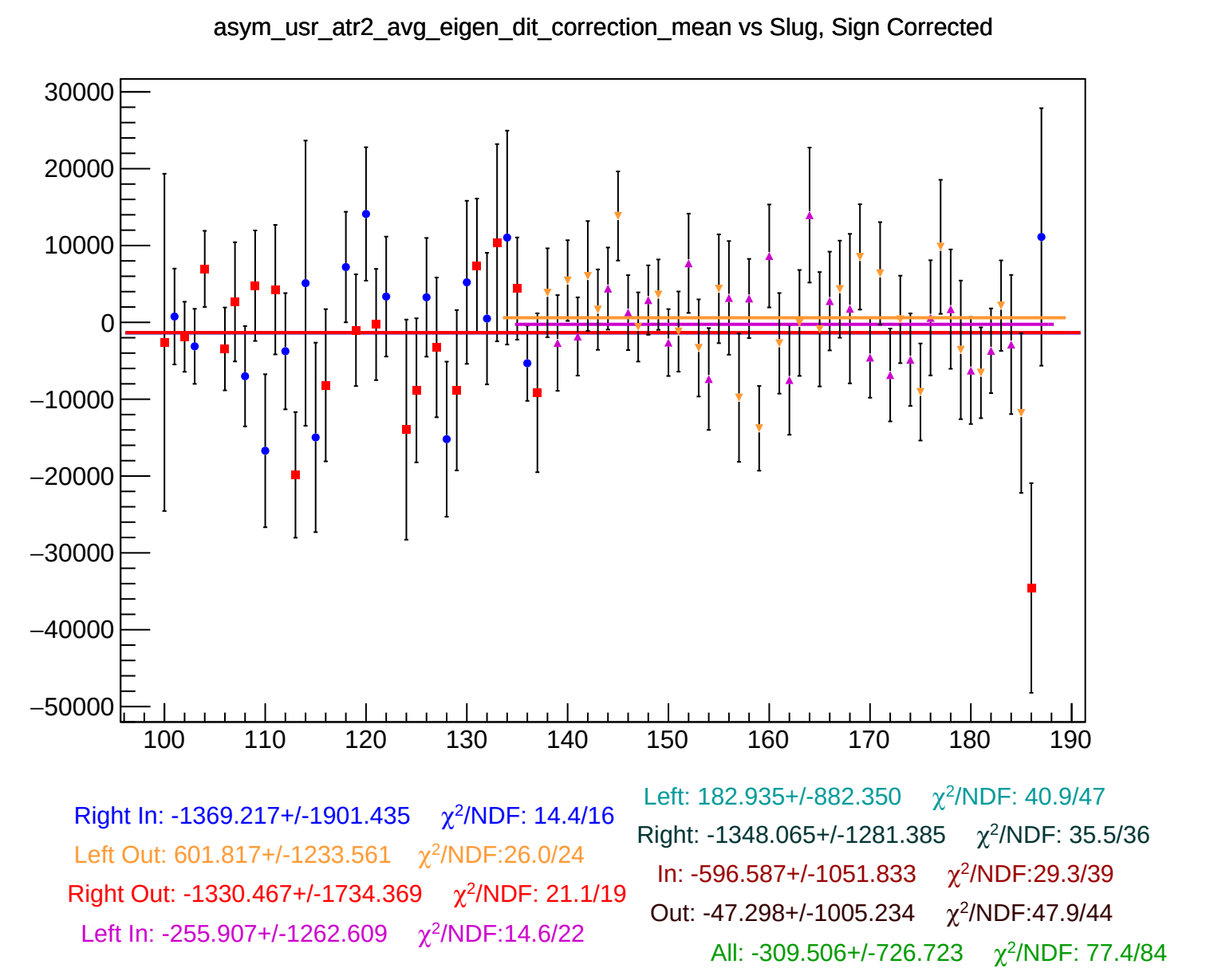
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1639.694+/-0.301 χ^2/NDF: 520013.3/36

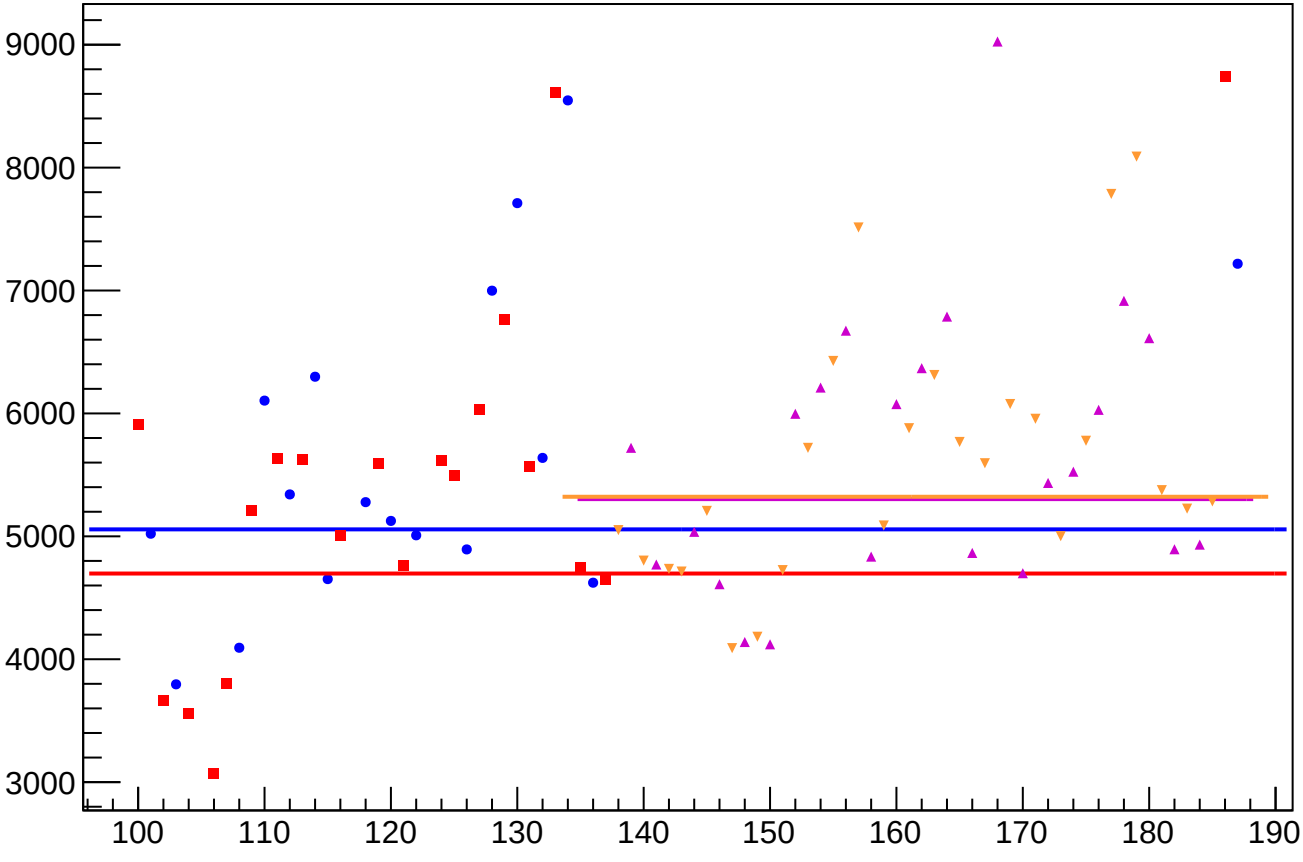
In: 1602.316+/-0.224 χ^2/NDF:332672.2/39

Out: 1604.186+/-0.219 χ^2/NDF:321657.0/44

All: 1603.274+/-0.156 χ^2/NDF: 654364.9/84


asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1369.217+/-1901.435 χ²/NDF: 14.4/16
Left Out: 601.817+/-1233.561 χ²/NDF:26.0/24
Right Out: -1330.467+/-1734.369 χ²/NDF: 21.1/19
Left In: -255.907+/-1262.609 χ²/NDF:14.6/22
Left: 182.935+/-882.350 χ²/NDF: 40.9/47
Right: -1348.065+/-1281.385 χ²/NDF: 35.5/36
In: -596.587+/-1051.833 χ²/NDF:29.3/39
Out: -47.298+/-1005.234 χ²/NDF:47.9/44
All: -309.506+/-726.723 χ²/NDF: 77.4/84

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5056.633+/-1.345 χ^2/NDF: 599165.0/16

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 4697.353+/-1.226 χ^2/NDF: 1042192.5/19

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

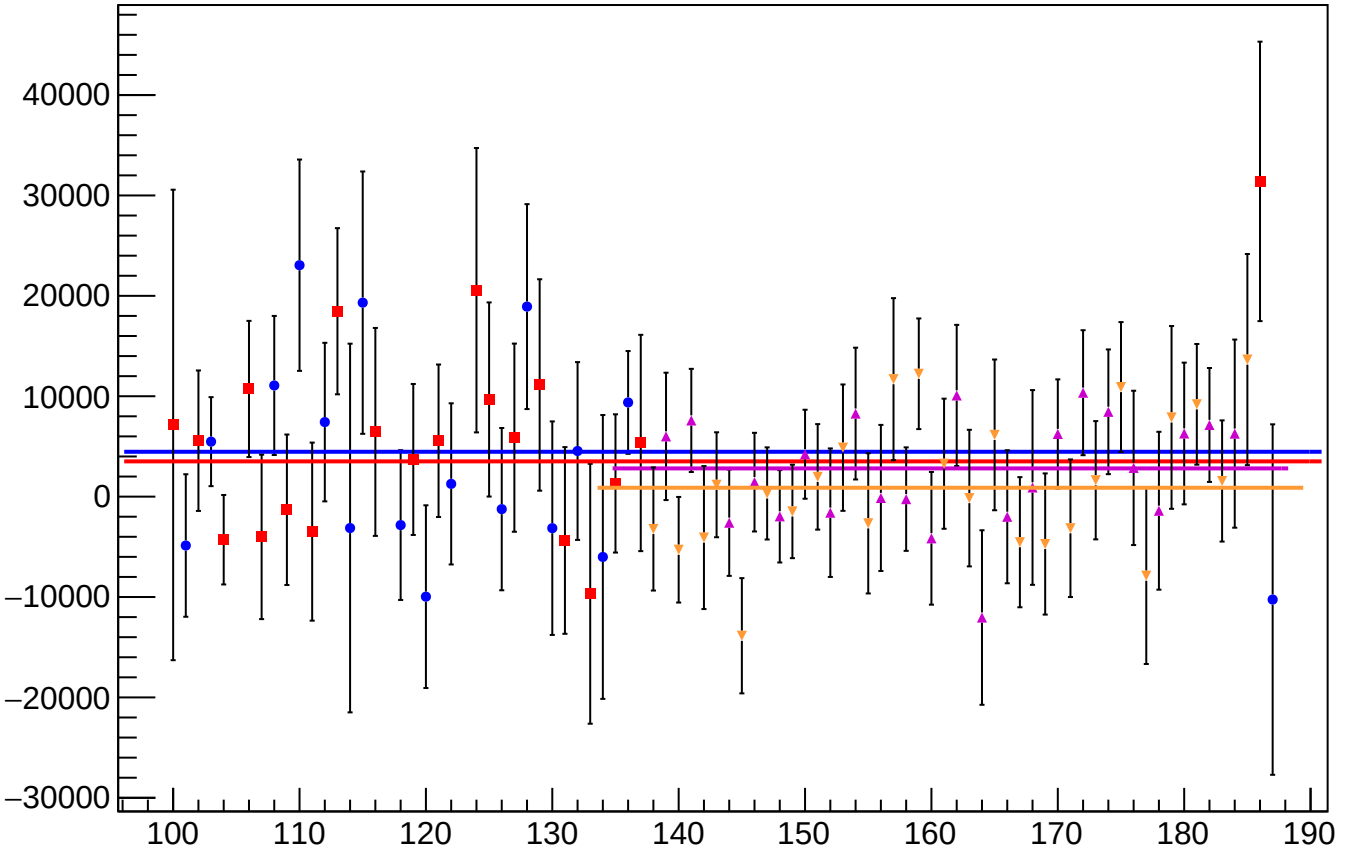
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 4860.519+/-0.906 χ^2/NDF: 1680334.7/36

In: 5227.512+/-0.744 χ^2/NDF:1774819.9/39

Out: 5112.138+/-0.711 χ^2/NDF:2251462.6/44

All: 5167.213+/-0.514 χ^2/NDF: 4038858.8/84



Right In: 4467.830+/-1946.284 χ^2/NDF: 16.2/16

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 3511.368+/-1865.825 χ^2/NDF: 18.0/19

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

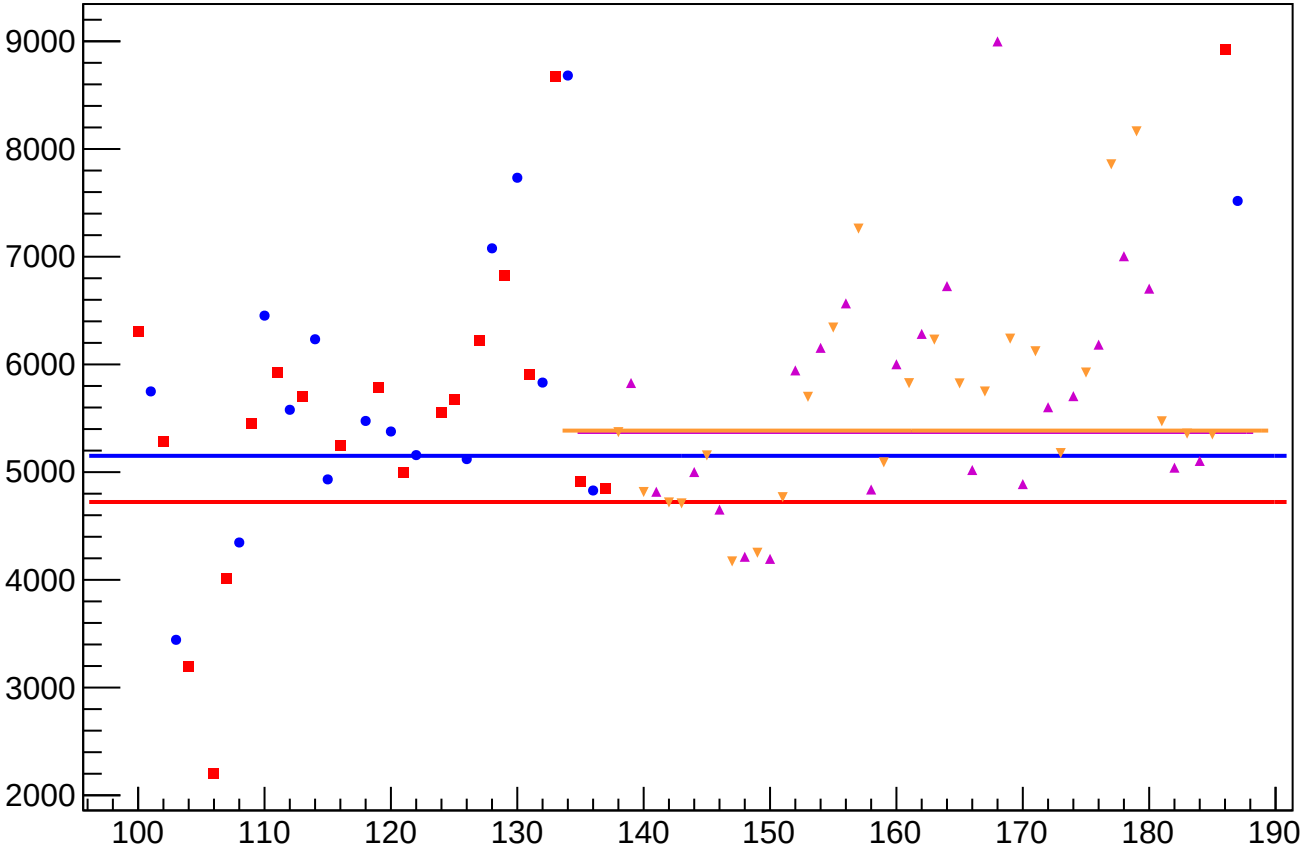
Right: 3969.421+/-1346.884 χ^2/NDF: 34.3/36

In: 3309.524+/-1067.827 χ^2/NDF:31.5/39

Out: 1695.799+/-1036.479 χ^2/NDF:45.0/44

All: 2478.627+/-743.737 χ^2/NDF: 77.6/84

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5151.433+/-1.376 χ^2/NDF: 757588.9/16

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 4722.874+/-1.270 χ^2/NDF: 1530393.8/19

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

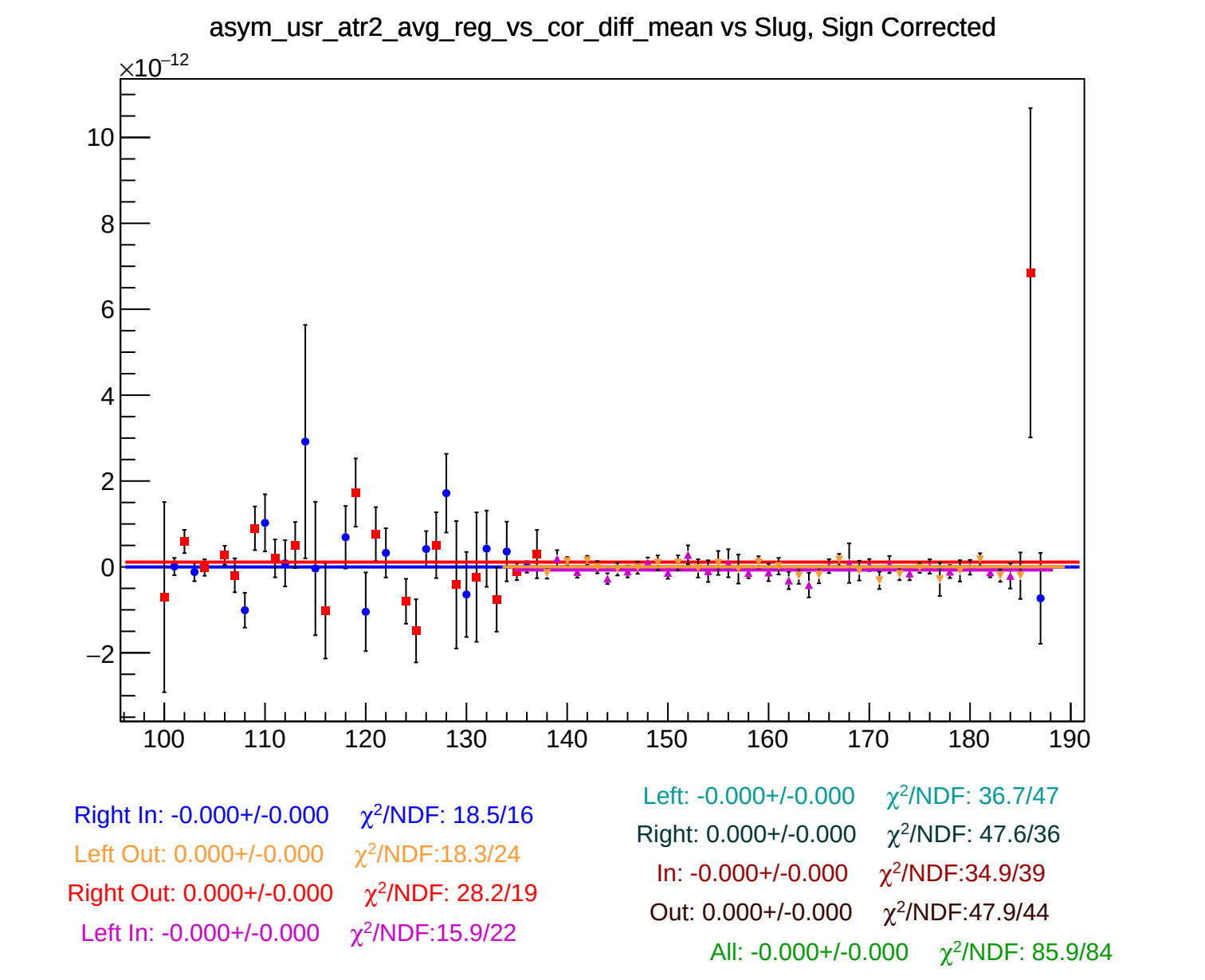
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

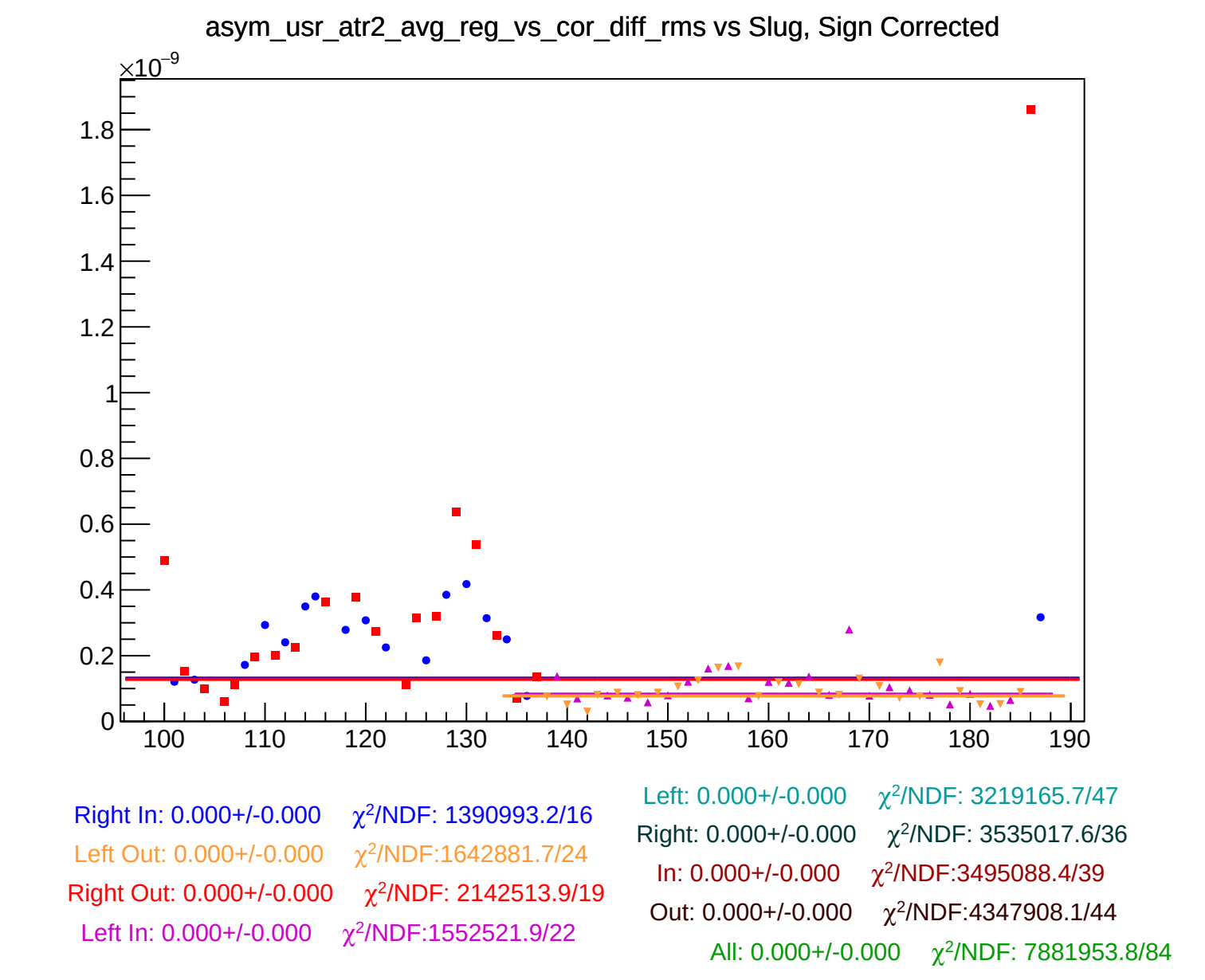
Right: 4919.919+/-0.933 χ^2/NDF: 2340367.4/36

In: 5306.212+/-0.755 χ^2/NDF:1847505.8/39

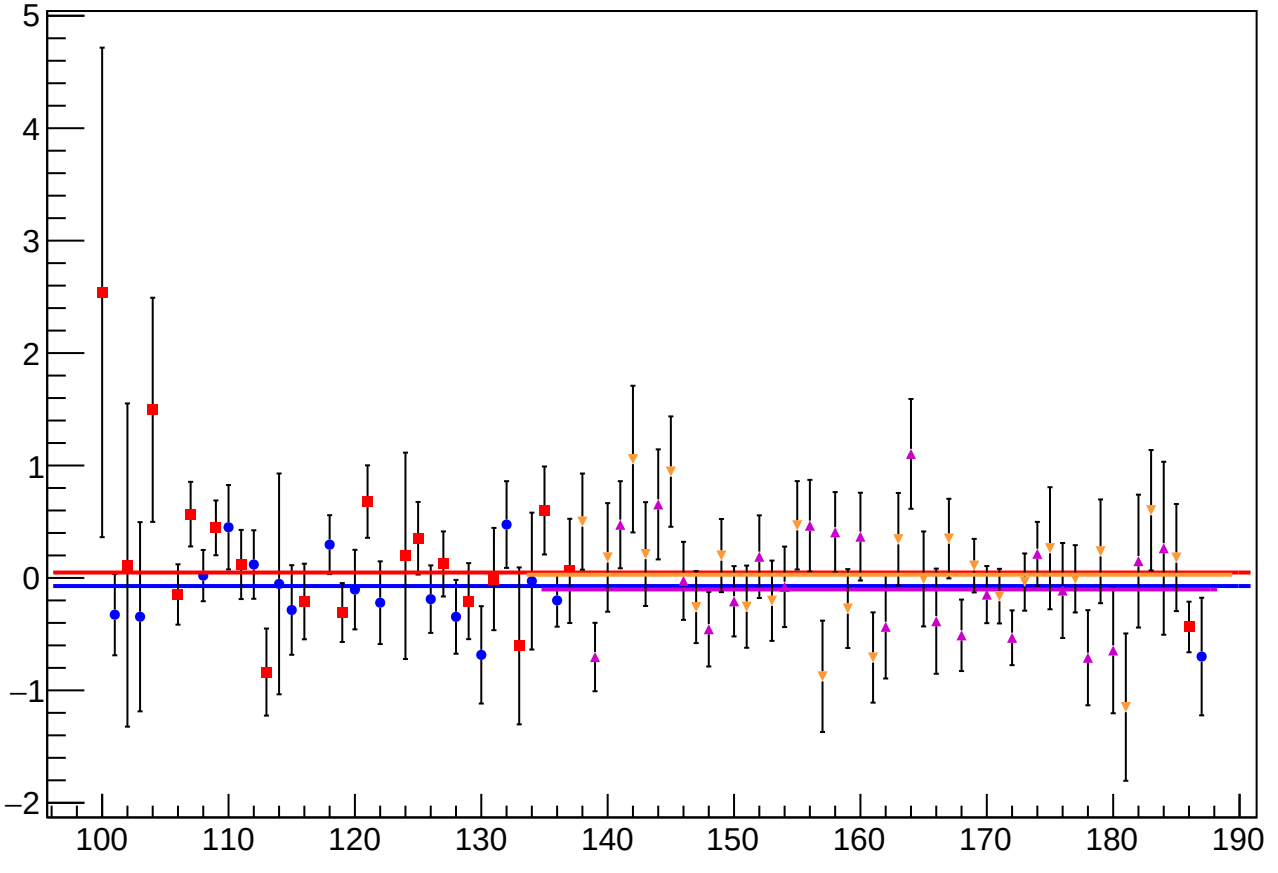
Out: 5170.114+/-0.724 χ^2/NDF:2701365.1/44

All: 5235.309+/-0.523 χ^2/NDF: 4565796.2/84


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.5/16
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.2/19
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 47.6/36
In: -0.000+/-0.000 χ²/NDF:34.9/39
Out: 0.000+/-0.000 χ²/NDF:47.9/44
All: -0.000+/-0.000 χ²/NDF: 85.9/84


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1390993.2/16
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2142513.9/19
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
Left: 0.000+/-0.000 χ²/NDF: 3219165.7/47
Right: 0.000+/-0.000 χ²/NDF: 3535017.6/36
In: 0.000+/-0.000 χ²/NDF:3495088.4/39
Out: 0.000+/-0.000 χ²/NDF:4347908.1/44
All: 0.000+/-0.000 χ²/NDF: 7881953.8/84

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

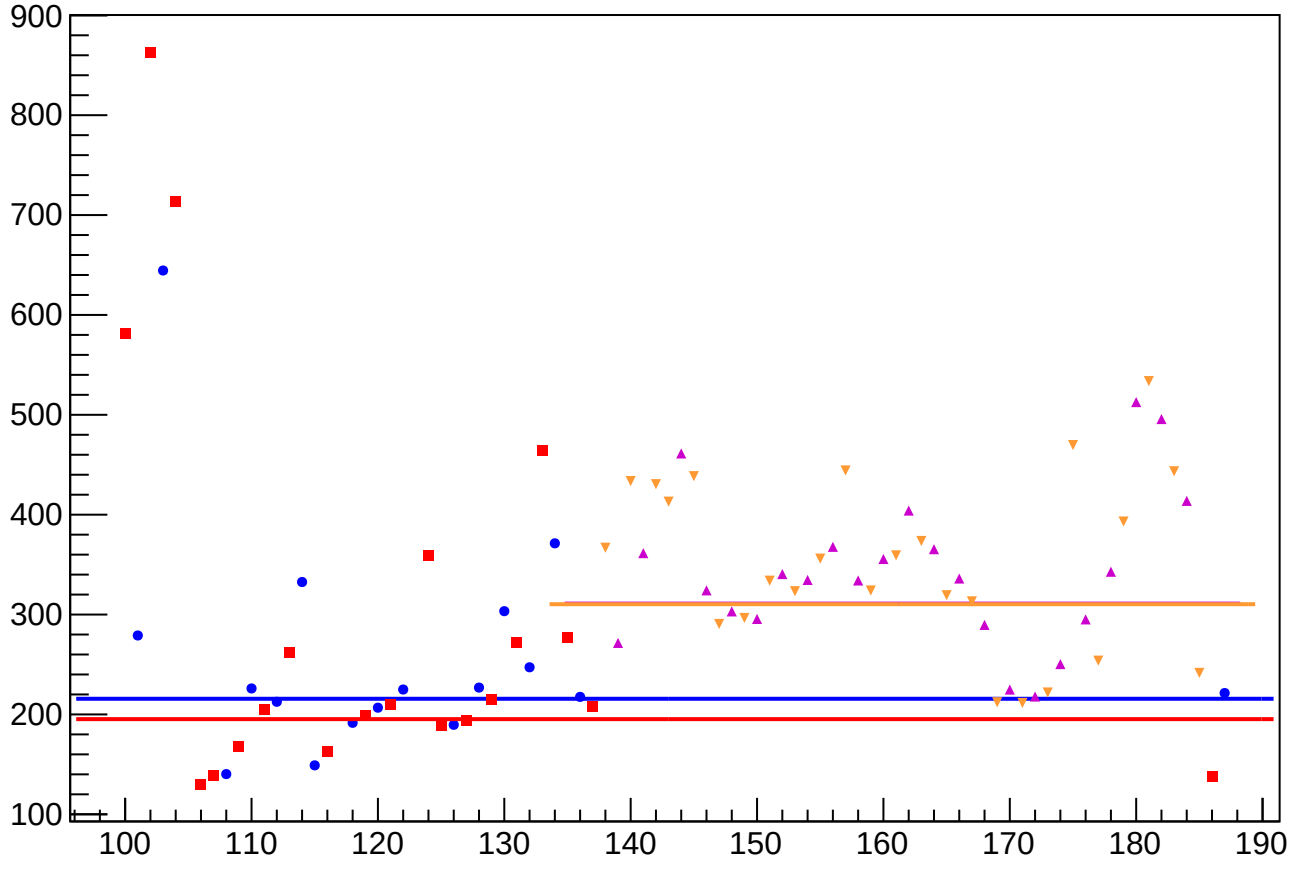
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.057 χ^2/NDF: 43.7/36

In: -0.089+/-0.057 χ^2/NDF:44.5/39

Out: 0.038+/-0.054 χ^2/NDF:55.9/44

All: -0.022+/-0.039 χ^2/NDF: 103.0/84



Right In: 215.672+/-0.060 χ^2/NDF: 1148974.3/16

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 195.285+/-0.055 χ^2/NDF: 1986025.2/19

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

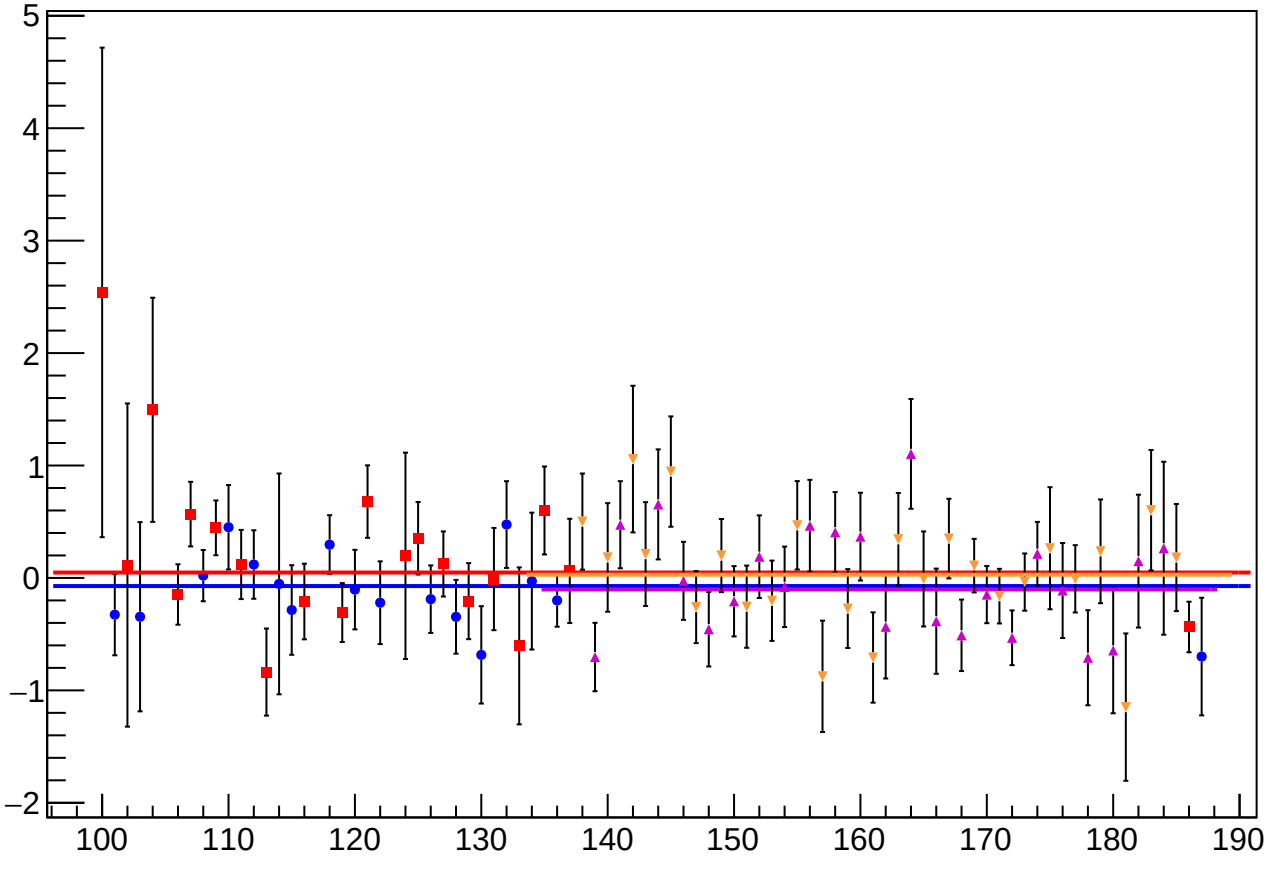
Right: 204.688+/-0.041 χ^2/NDF: 3197946.3/36

In: 268.108+/-0.040 χ^2/NDF:4153835.4/39

Out: 255.365+/-0.038 χ^2/NDF:6619289.9/44

All: 261.436+/-0.028 χ^2/NDF: 10826275.6/84

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

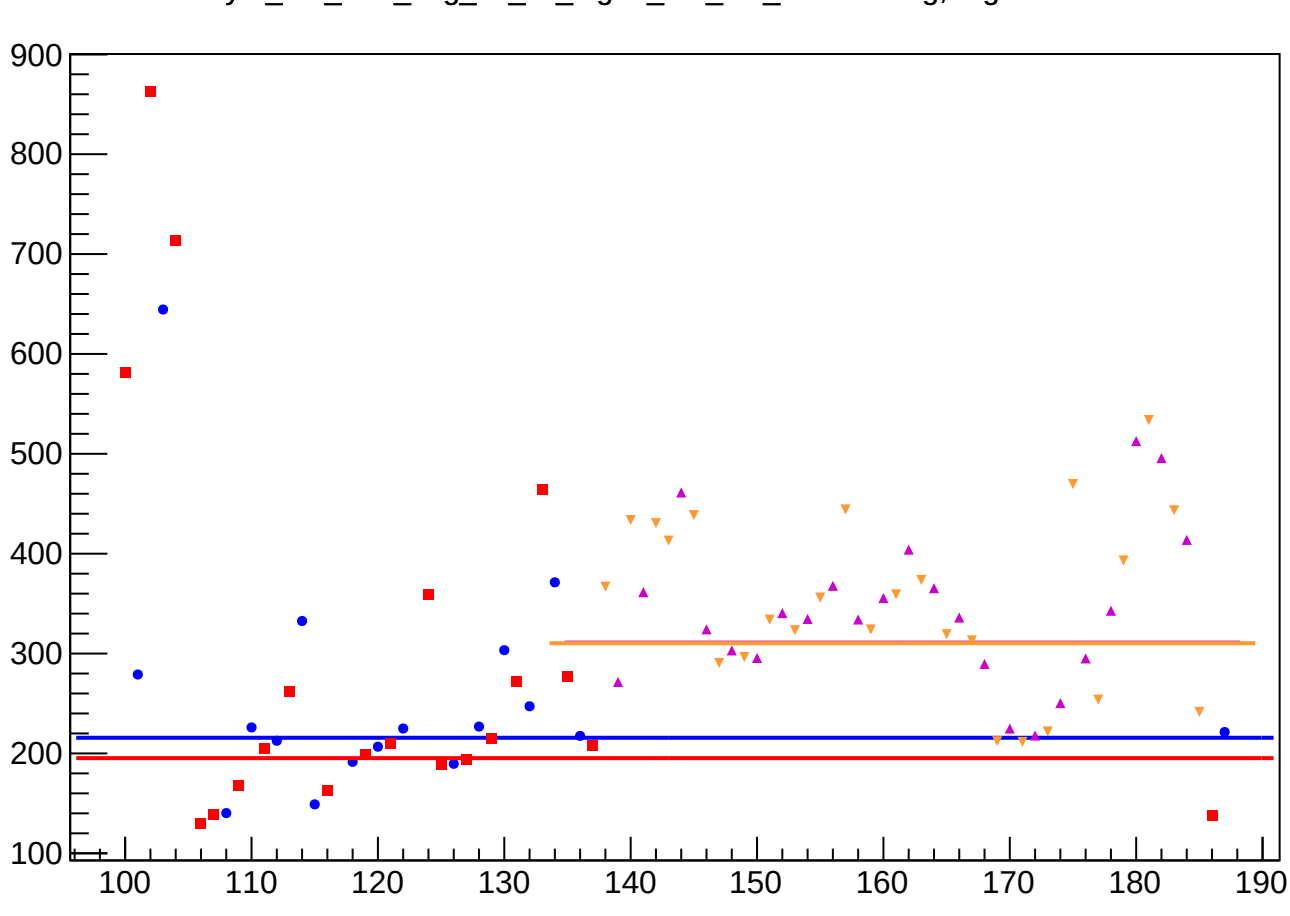
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.057 χ^2/NDF: 43.7/36

In: -0.089+/-0.057 χ^2/NDF:44.5/39

Out: 0.038+/-0.054 χ^2/NDF:55.9/44

All: -0.022+/-0.039 χ^2/NDF: 103.0/84



Right In: 215.672+/-0.060 χ^2/NDF: 1148974.3/16

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 195.285+/-0.055 χ^2/NDF: 1986025.2/19

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

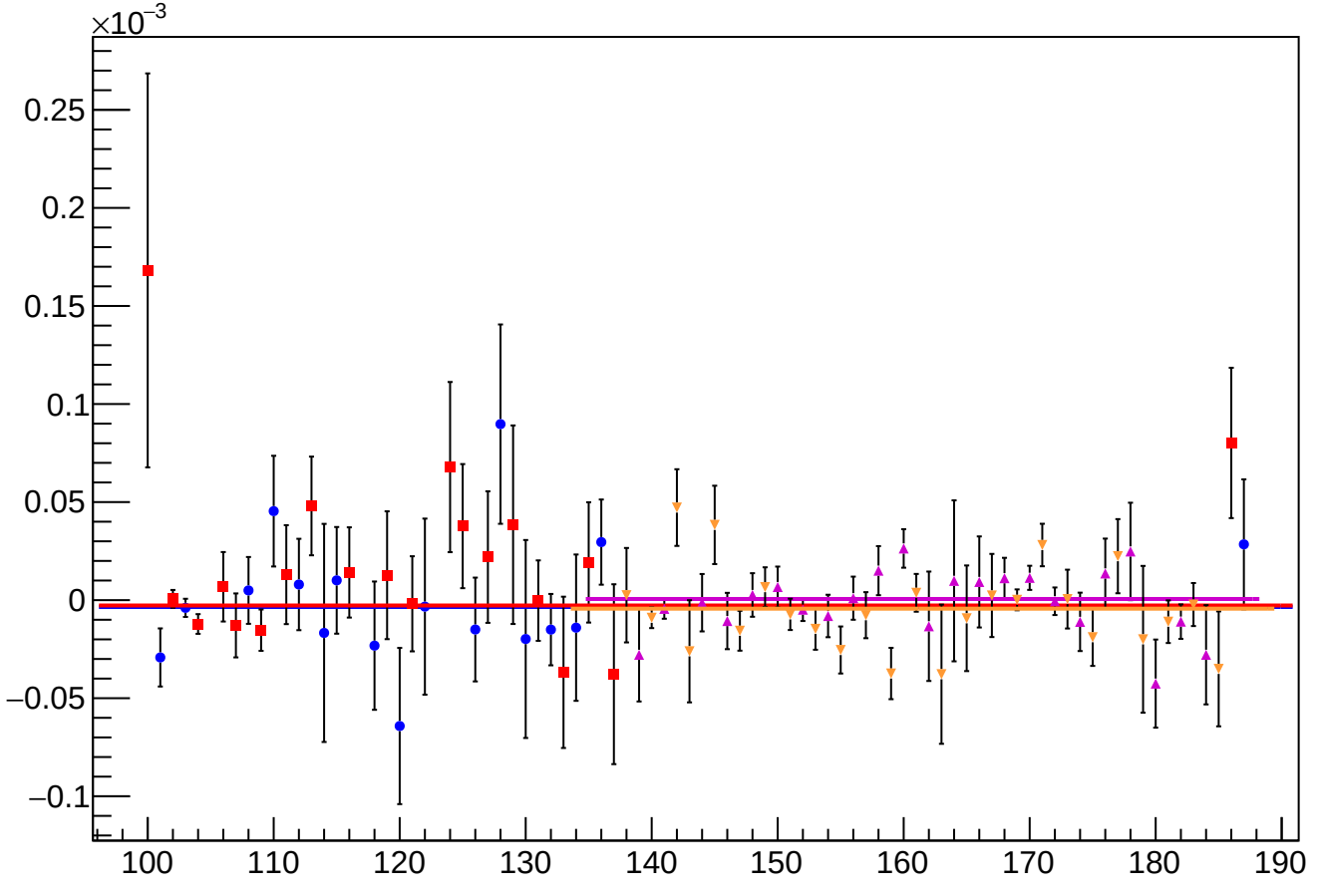
Right: 204.688+/-0.041 χ^2/NDF: 3197946.3/36

In: 268.108+/-0.040 χ^2/NDF:4153835.4/39

Out: 255.365+/-0.038 χ^2/NDF:6619289.9/44

All: 261.436+/-0.028 χ^2/NDF: 10826275.6/84

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/19

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

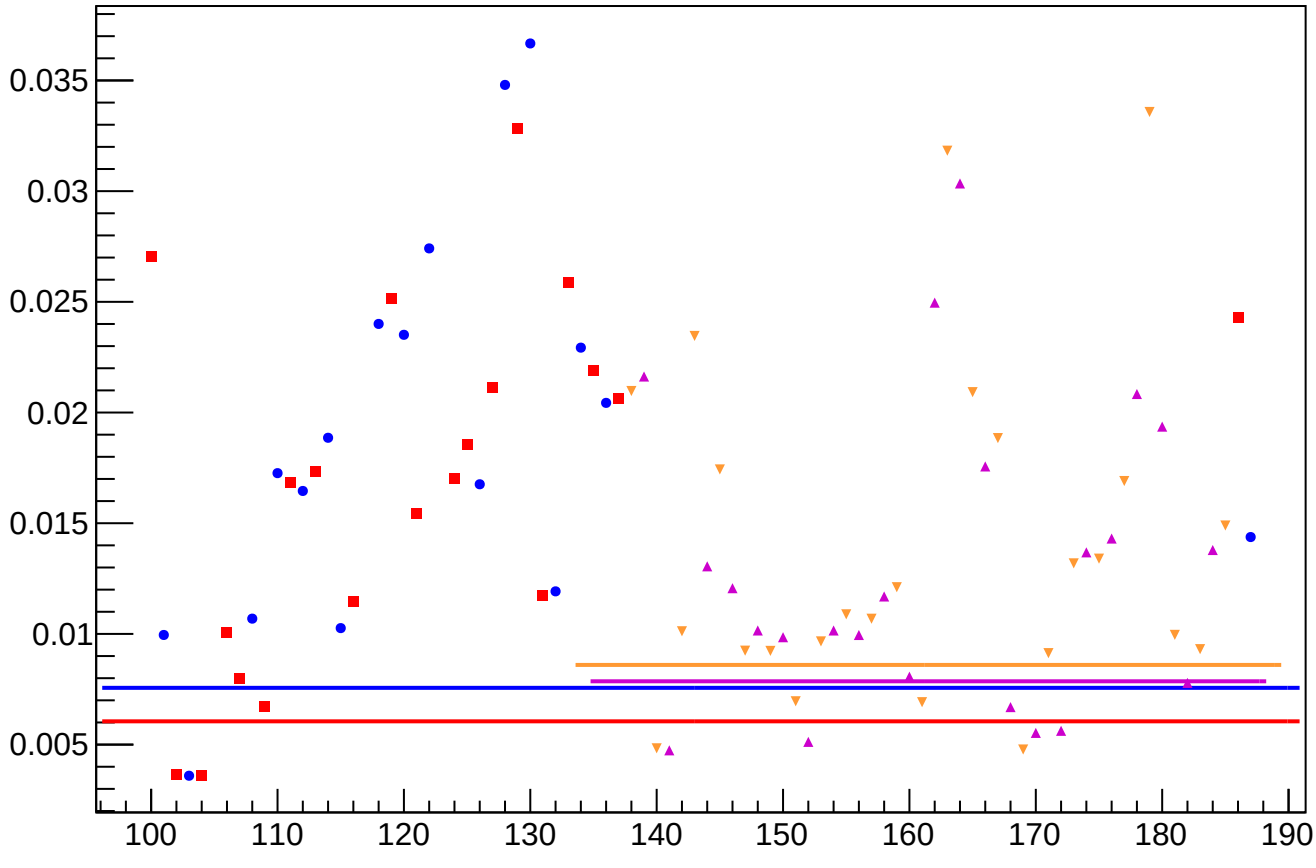
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 43.3/36

In: -0.000+/-0.000 χ^2/NDF:44.3/39

Out: -0.000+/-0.000 χ^2/NDF:68.8/44

All: -0.000+/-0.000 χ^2/NDF: 114.8/84



Right In: 0.008+/-0.000 χ^2/NDF: 6161871.4/16

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6390277.8/19

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

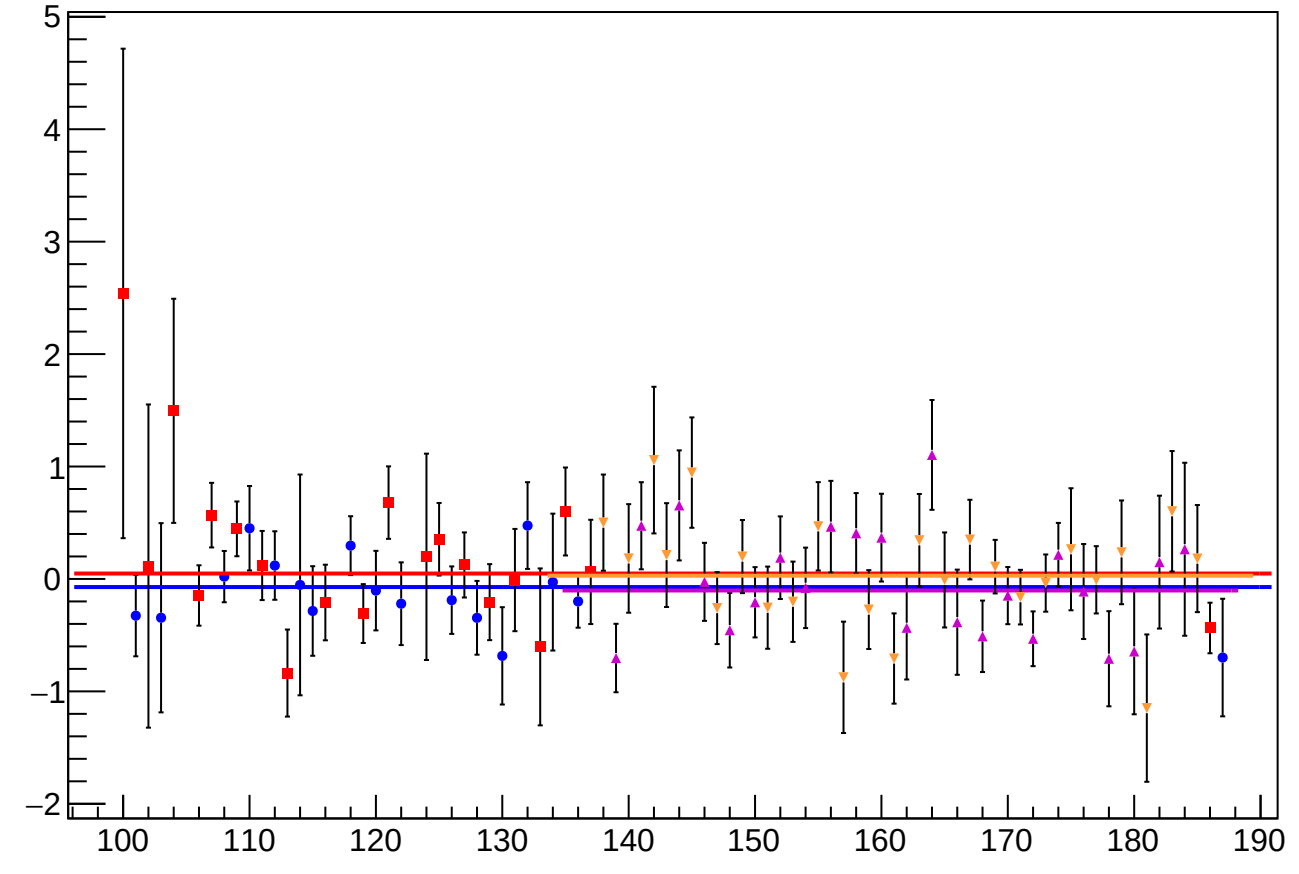
Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

Right: 0.007+/-0.000 χ^2/NDF: 12755543.7/36

In: 0.008+/-0.000 χ^2/NDF:12950973.6/39

Out: 0.008+/-0.000 χ^2/NDF:15013365.3/44

All: 0.008+/-0.000 χ^2/NDF: 27971059.8/84



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

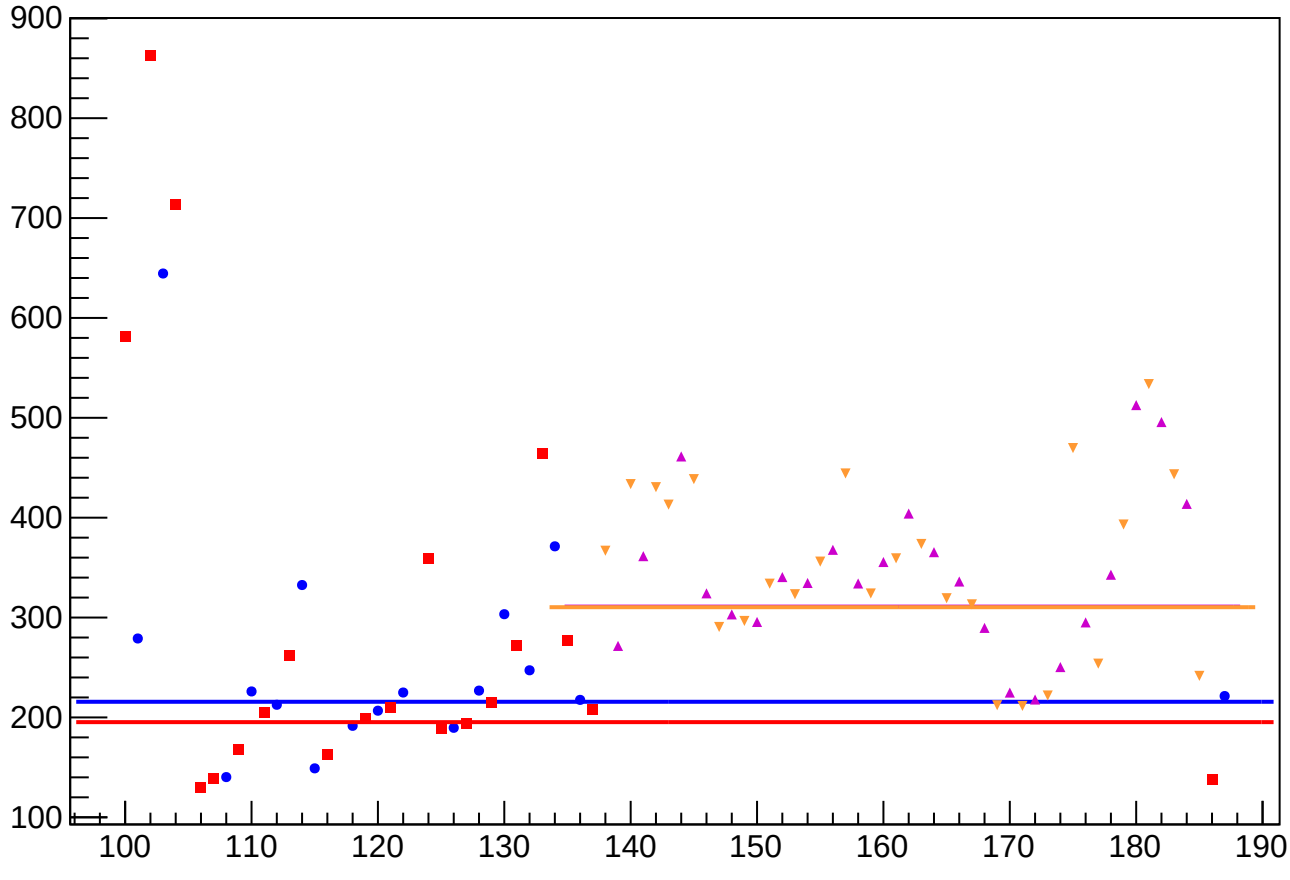
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.057 χ^2/NDF: 43.7/36

In: -0.089+/-0.057 χ^2/NDF:44.5/39

Out: 0.038+/-0.054 χ^2/NDF:55.9/44

All: -0.022+/-0.039 χ^2/NDF: 103.0/84



Right In: 215.671+/-0.060 χ^2/NDF: 1148948.3/16

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 195.284+/-0.055 χ^2/NDF: 1986001.1/19

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

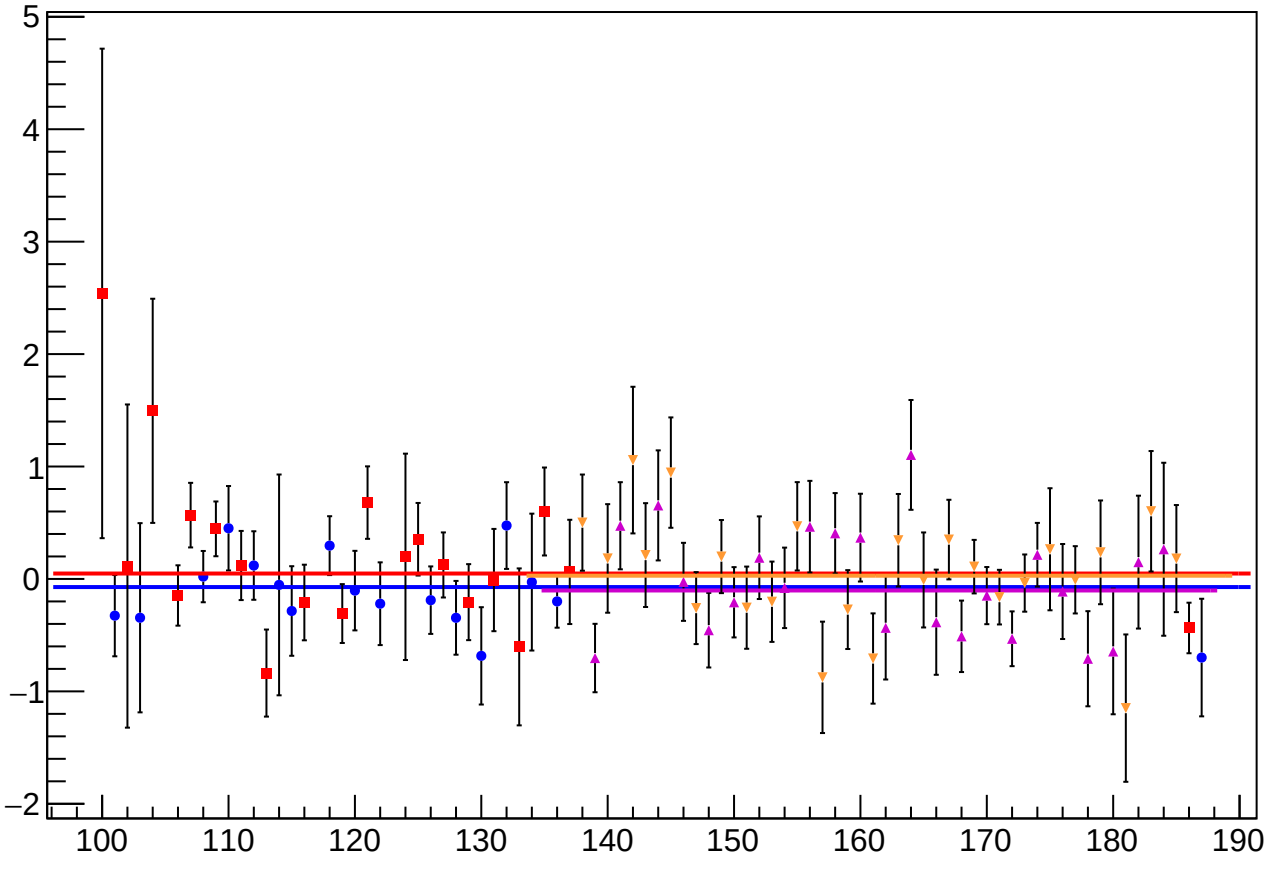
Right: 204.687+/-0.041 χ^2/NDF: 3197897.3/36

In: 268.109+/-0.040 χ^2/NDF:4153969.1/39

Out: 255.365+/-0.038 χ^2/NDF:6619495.8/44

All: 261.436+/-0.028 χ^2/NDF: 10826618.5/84

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

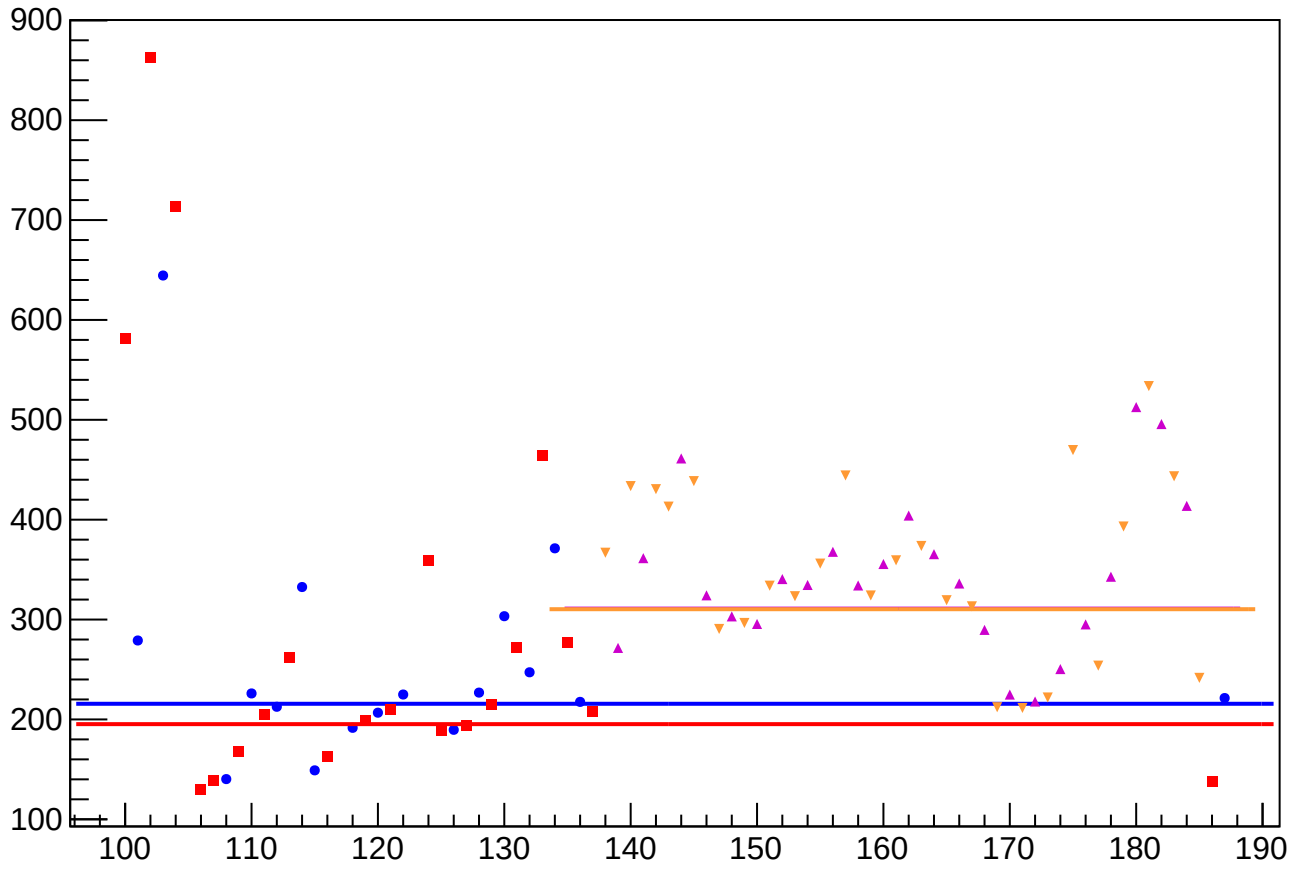
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.057 χ^2/NDF: 43.7/36

In: -0.089+/-0.057 χ^2/NDF:44.5/39

Out: 0.038+/-0.054 χ^2/NDF:55.9/44

All: -0.022+/-0.039 χ^2/NDF: 103.0/84



Right In: 215.671+/-0.060 χ^2/NDF: 1148948.3/16

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 195.284+/-0.055 χ^2/NDF: 1986001.1/19

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

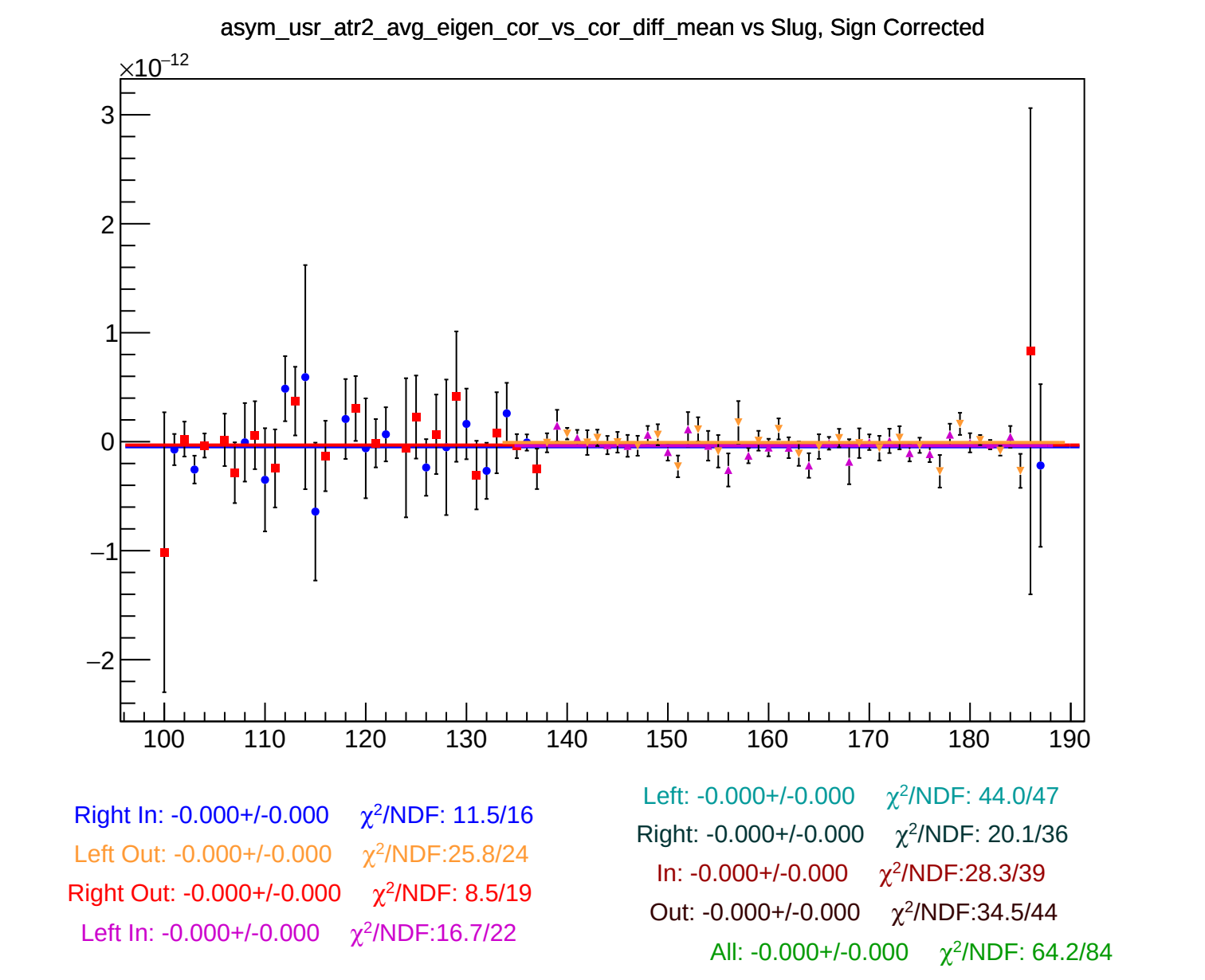
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

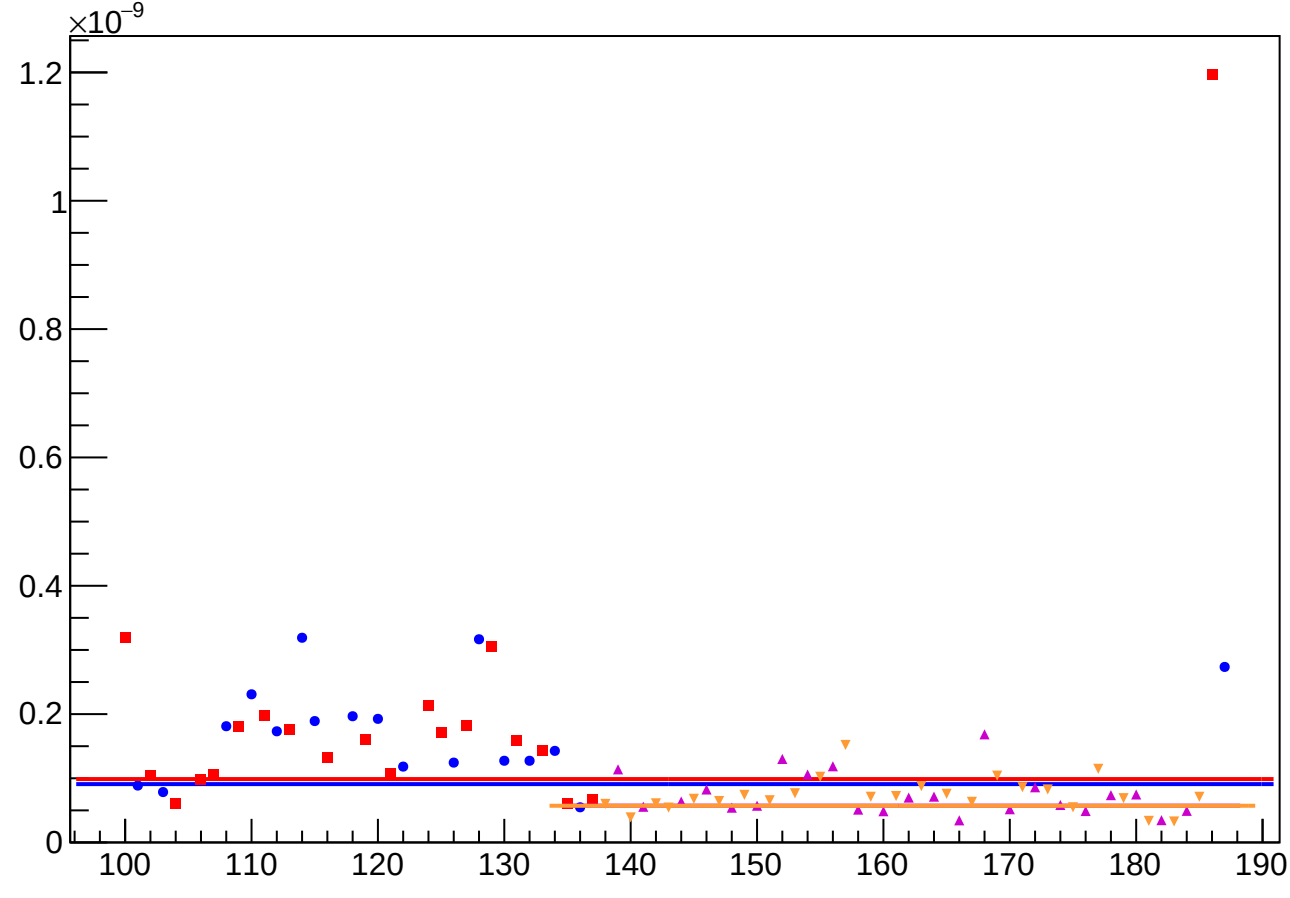
Right: 204.687+/-0.041 χ^2/NDF: 3197897.3/36

In: 268.109+/-0.040 χ^2/NDF:4153969.1/39

Out: 255.365+/-0.038 χ^2/NDF:6619495.8/44

All: 261.436+/-0.028 χ^2/NDF: 10826618.5/84


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.5/16
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 8.5/19
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 44.0/47
Right: -0.000+/-0.000 χ²/NDF: 20.1/36
In: -0.000+/-0.000 χ²/NDF:28.3/39
Out: -0.000+/-0.000 χ²/NDF:34.5/44
All: -0.000+/-0.000 χ²/NDF: 64.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 1928373.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2179575.0/19

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

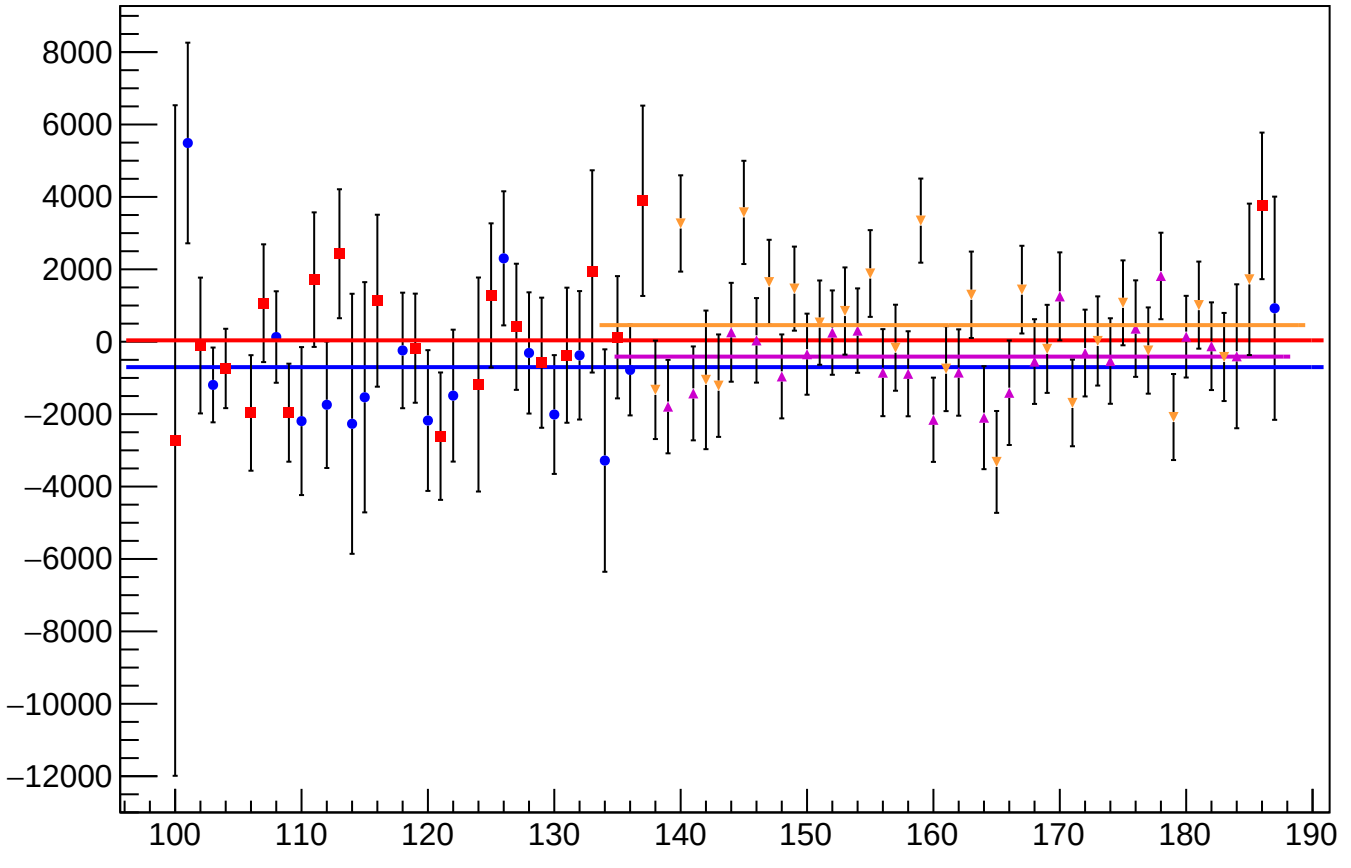
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4131780.2/36

In: 0.000+/-0.000 χ^2/NDF:6034663.1/39

Out: 0.000+/-0.000 χ^2/NDF:6670177.2/44

All: 0.000+/-0.000 χ^2/NDF: 12704987.6/84



Right In: -701.472+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 38.381+/-403.194 χ^2/NDF: 16.6/19

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

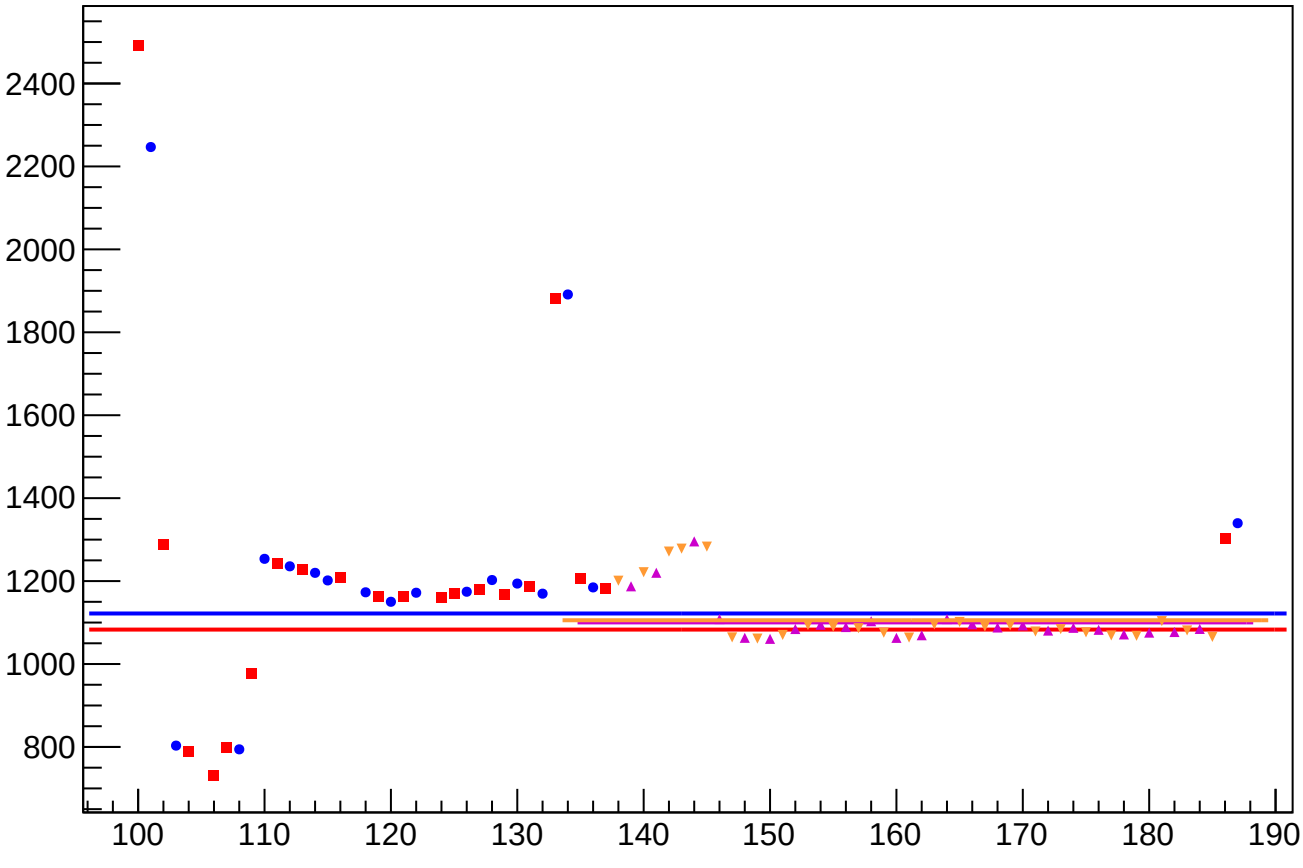
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -313.527+/-291.962 χ^2/NDF: 30.2/36

In: -489.505+/-219.812 χ^2/NDF:26.0/39

Out: 341.001+/-213.413 χ^2/NDF:59.5/44

All: -61.988+/-153.118 χ^2/NDF: 92.8/84



Right In: 1121.870+/-0.299 χ^2/NDF: 830008.7/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1083.053+/-0.283 χ^2/NDF: 673908.9/19

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

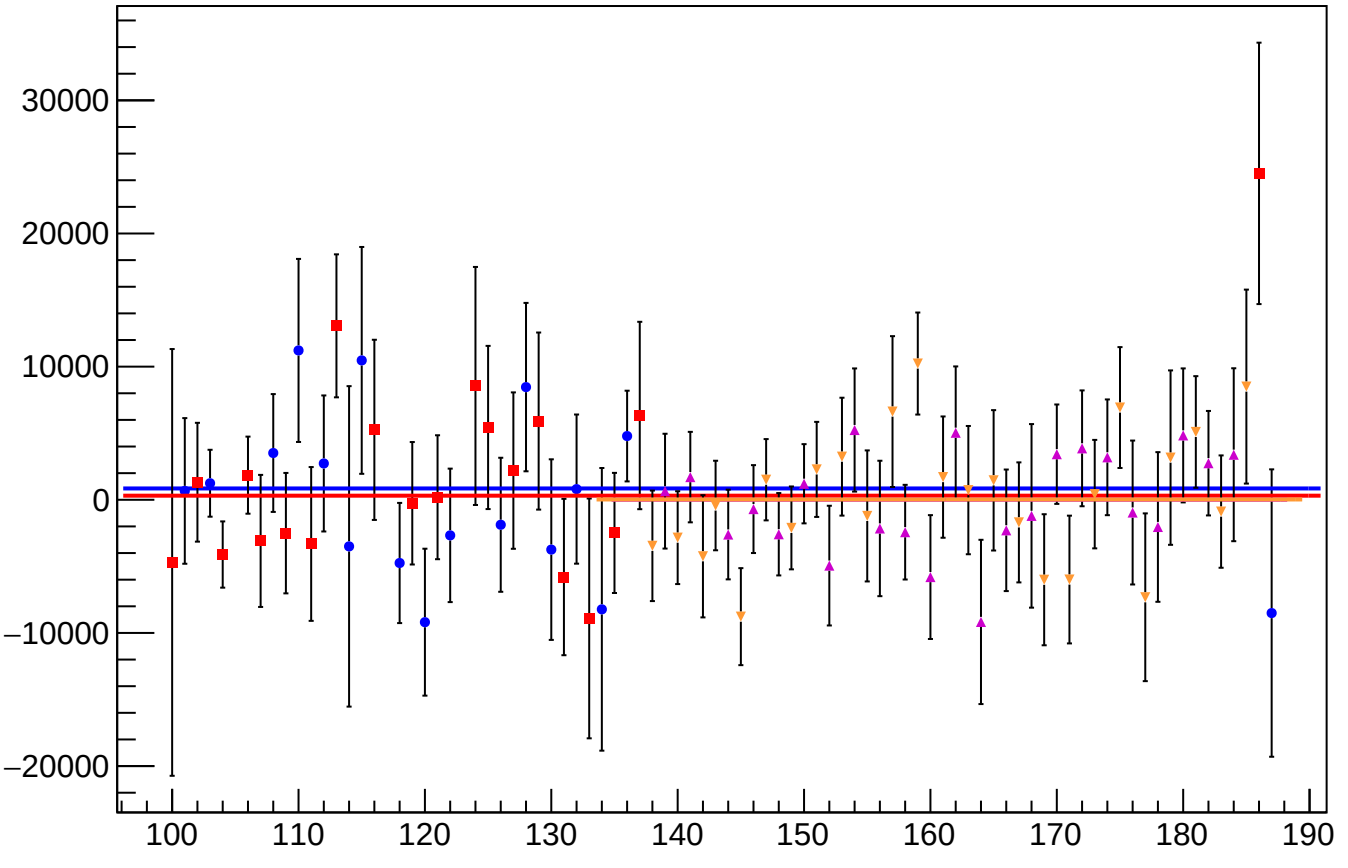
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1101.362+/-0.206 χ^2/NDF: 1512801.7/36

In: 1106.152+/-0.155 χ^2/NDF:914024.1/39

Out: 1099.174+/-0.151 χ^2/NDF:800392.2/44

All: 1102.552+/-0.108 χ^2/NDF: 1715456.3/84



Right In: 851.660+/-1224.790 χ^2/NDF: 14.6/16

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 308.777+/-1106.795 χ^2/NDF: 22.7/19

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

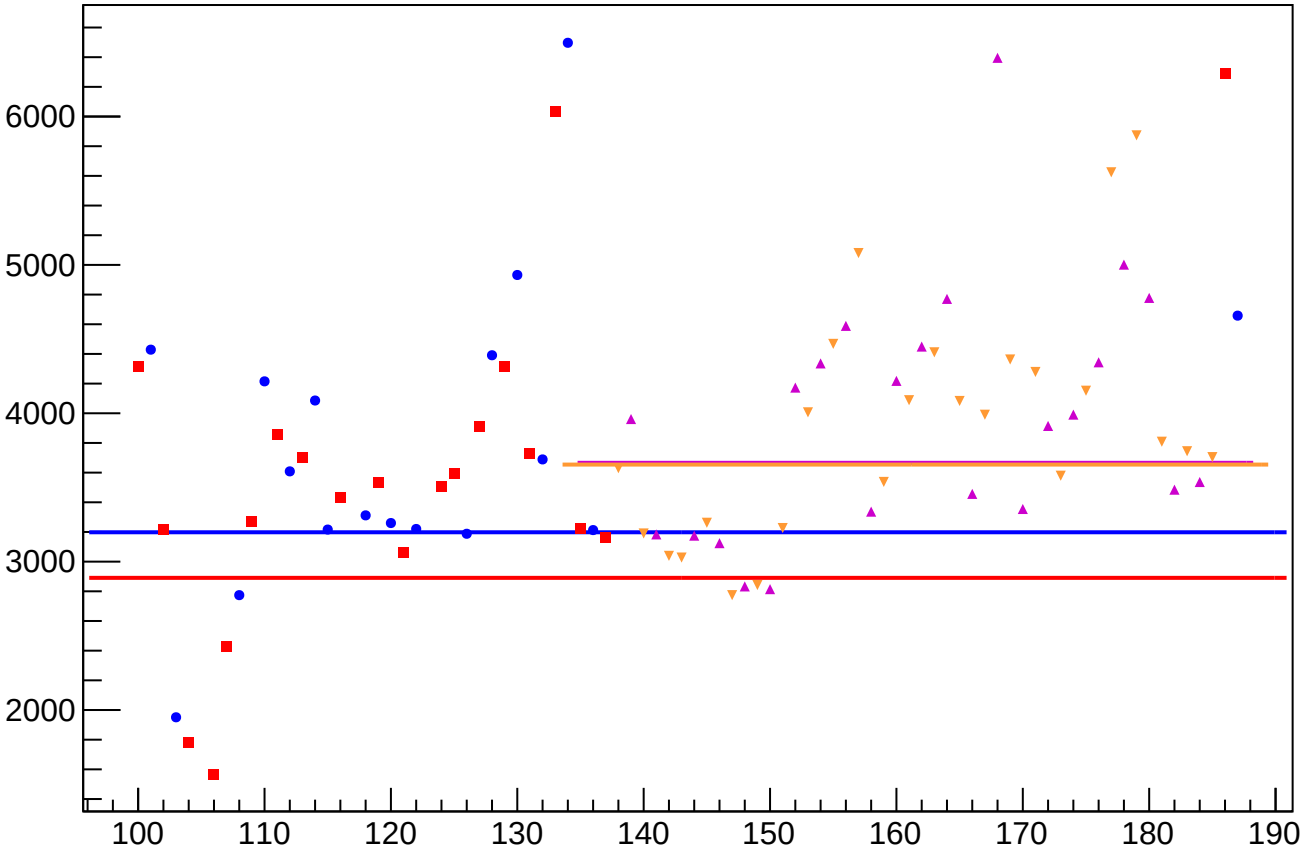
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 552.815+/-821.177 χ^2/NDF: 37.4/36

In: 292.081+/-712.113 χ^2/NDF:28.9/39

Out: 129.315+/-674.338 χ^2/NDF:51.2/44

All: 206.267+/-489.639 χ^2/NDF: 80.2/84



Right In: 3197.919+/-0.866 χ^2/NDF: 1128756.7/16

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 2890.744+/-0.783 χ^2/NDF: 1753630.0/19

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

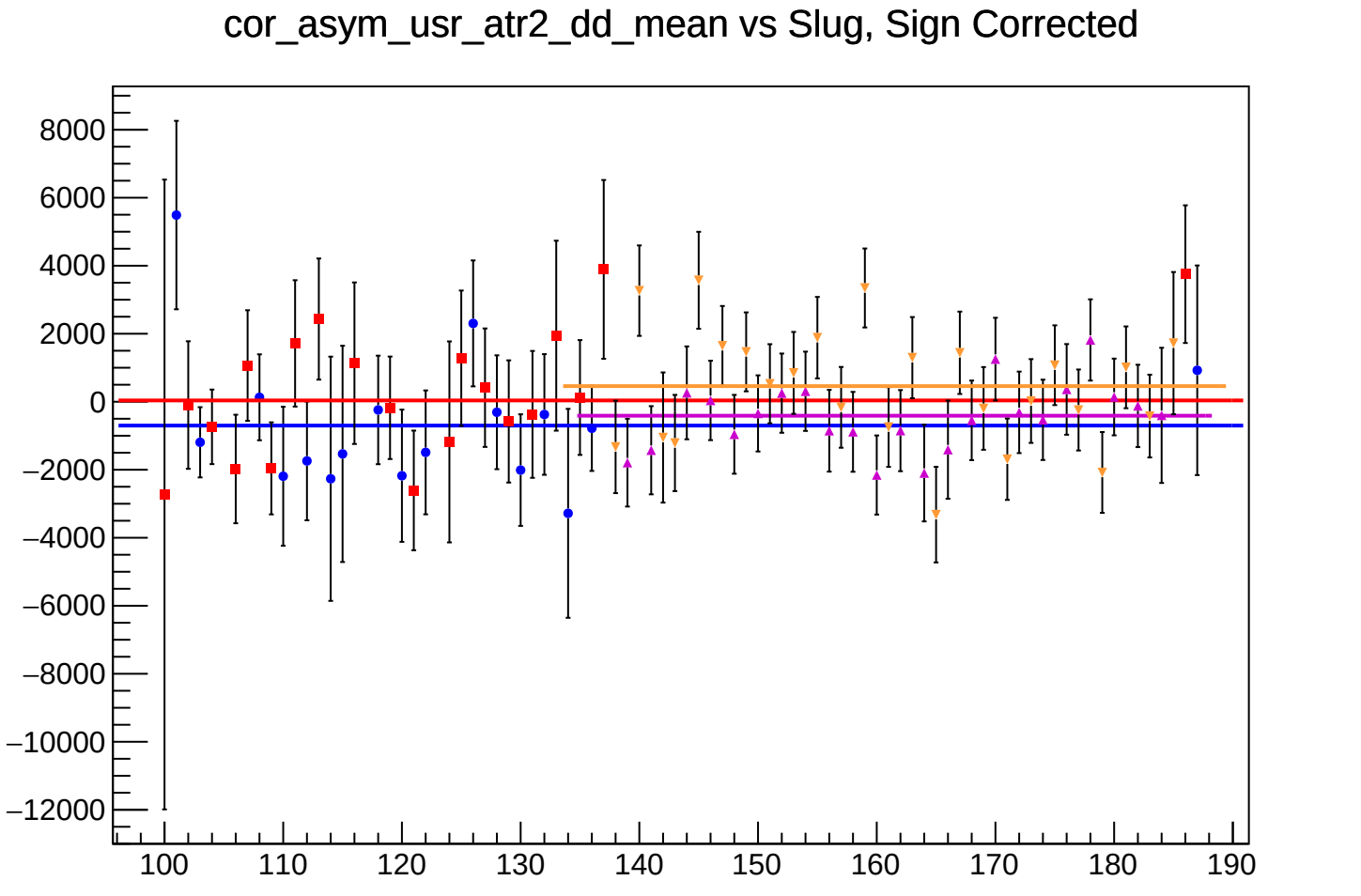
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3028.826+/-0.581 χ^2/NDF: 2951636.4/36

In: 3507.845+/-0.504 χ^2/NDF:2665928.1/39

Out: 3370.795+/-0.477 χ^2/NDF:3663756.7/44

All: 3435.589+/-0.346 χ^2/NDF: 6368740.7/84



Right In: -701.415+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 38.119+/-403.198 χ^2/NDF: 16.6/19

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

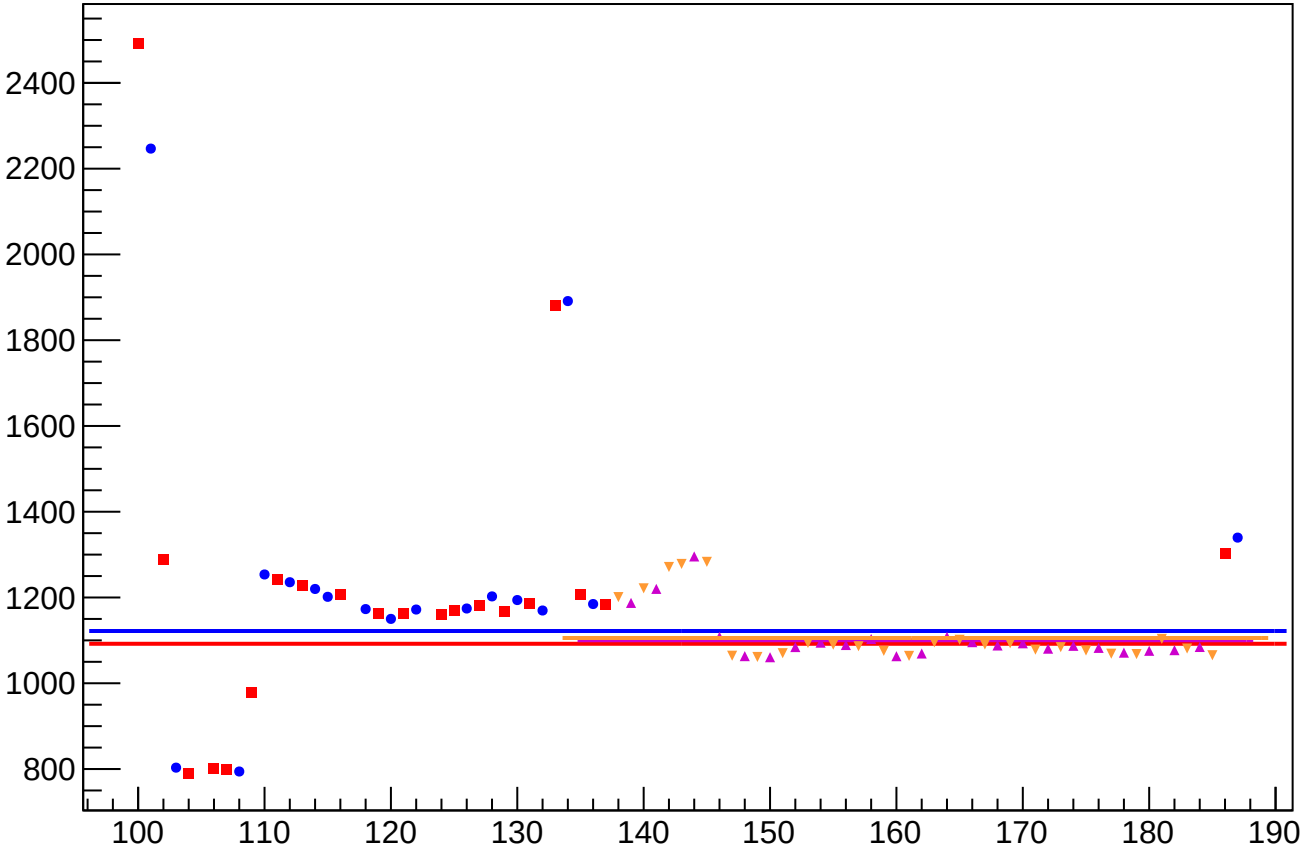
Right: -313.641+/-291.963 χ^2/NDF: 30.2/36

In: -489.419+/-219.812 χ^2/NDF:26.0/39

Out: 340.973+/-213.413 χ^2/NDF:59.5/44

All: -61.961+/-153.118 χ^2/NDF: 92.8/84

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1121.871+/-0.299 χ^2/NDF: 830005.2/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1092.070+/-0.285 χ^2/NDF: 617462.2/19

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

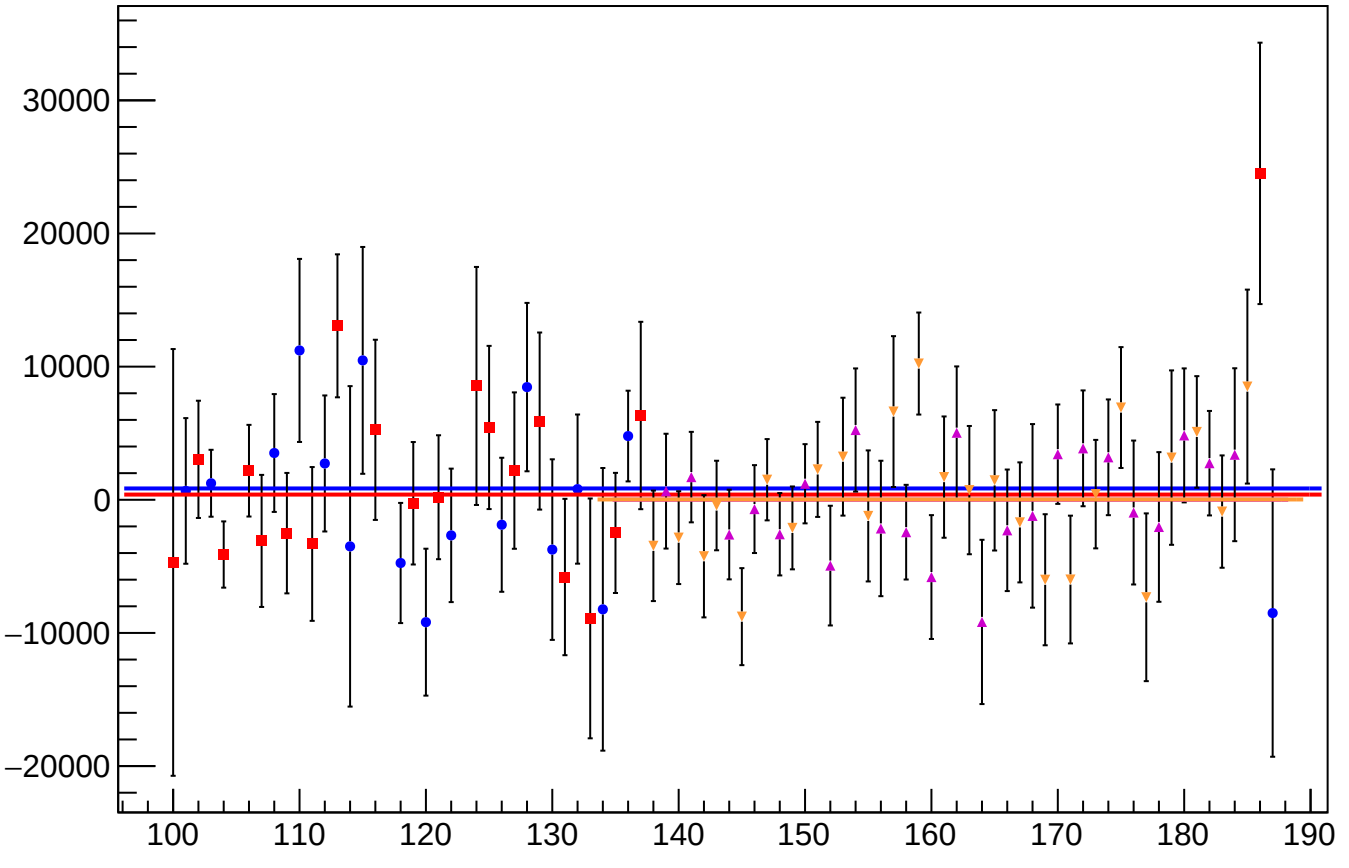
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1106.217+/-0.206 χ^2/NDF: 1452673.3/36

In: 1106.152+/-0.155 χ^2/NDF:914020.9/39

Out: 1101.763+/-0.151 χ^2/NDF:741025.4/44

All: 1103.891+/-0.108 χ^2/NDF: 1655457.0/84



Right In: 851.159+/-1224.838 χ^2/NDF: 14.6/16

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 391.237+/-1130.324 χ^2/NDF: 23.1/19

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

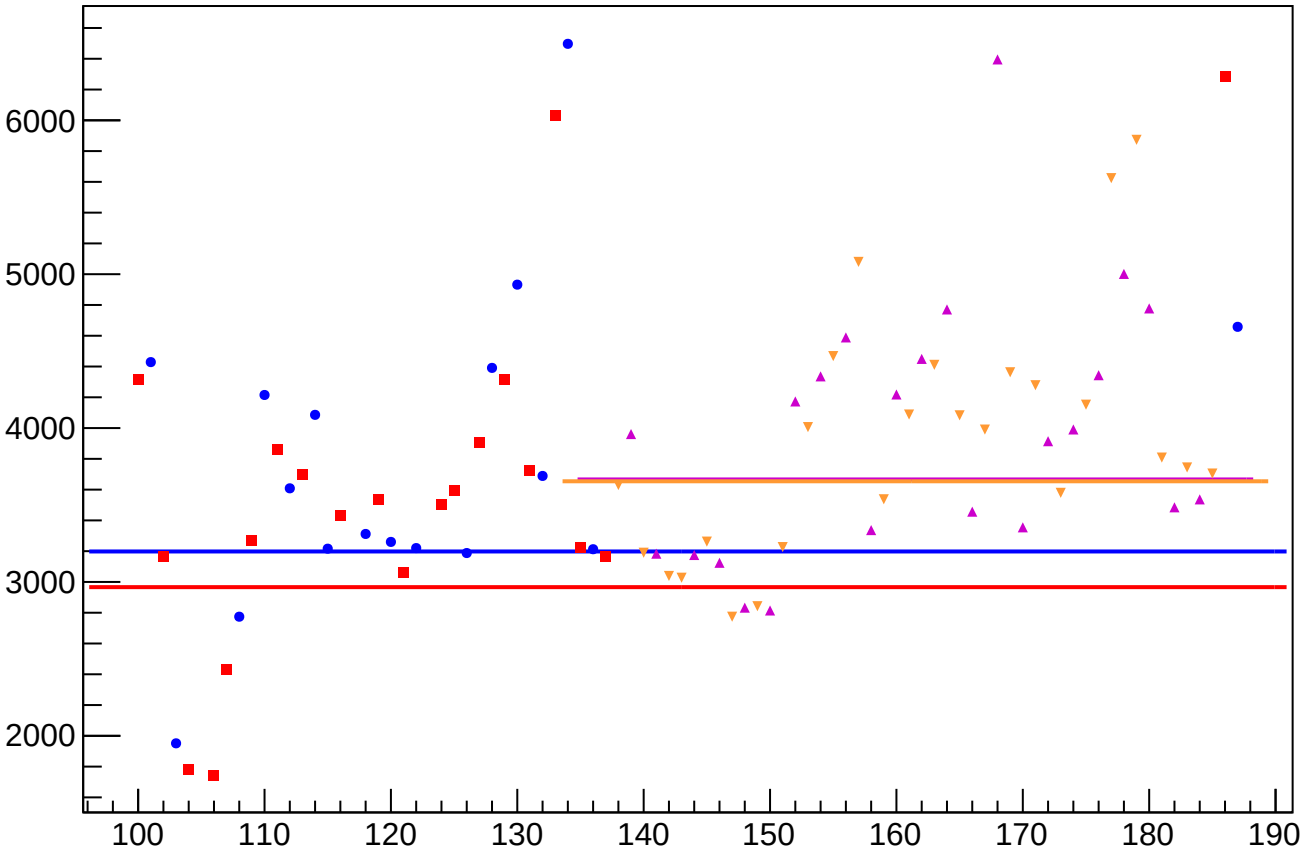
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 602.770+/-830.666 χ^2/NDF: 37.7/36

In: 291.931+/-712.122 χ^2/NDF:28.9/39

Out: 156.330+/-679.554 χ^2/NDF:51.6/44

All: 220.959+/-491.628 χ^2/NDF: 80.5/84



Right In: 3198.102+/-0.866 χ^2/NDF: 1128307.7/16

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 2966.258+/-0.799 χ^2/NDF: 1544824.8/19

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

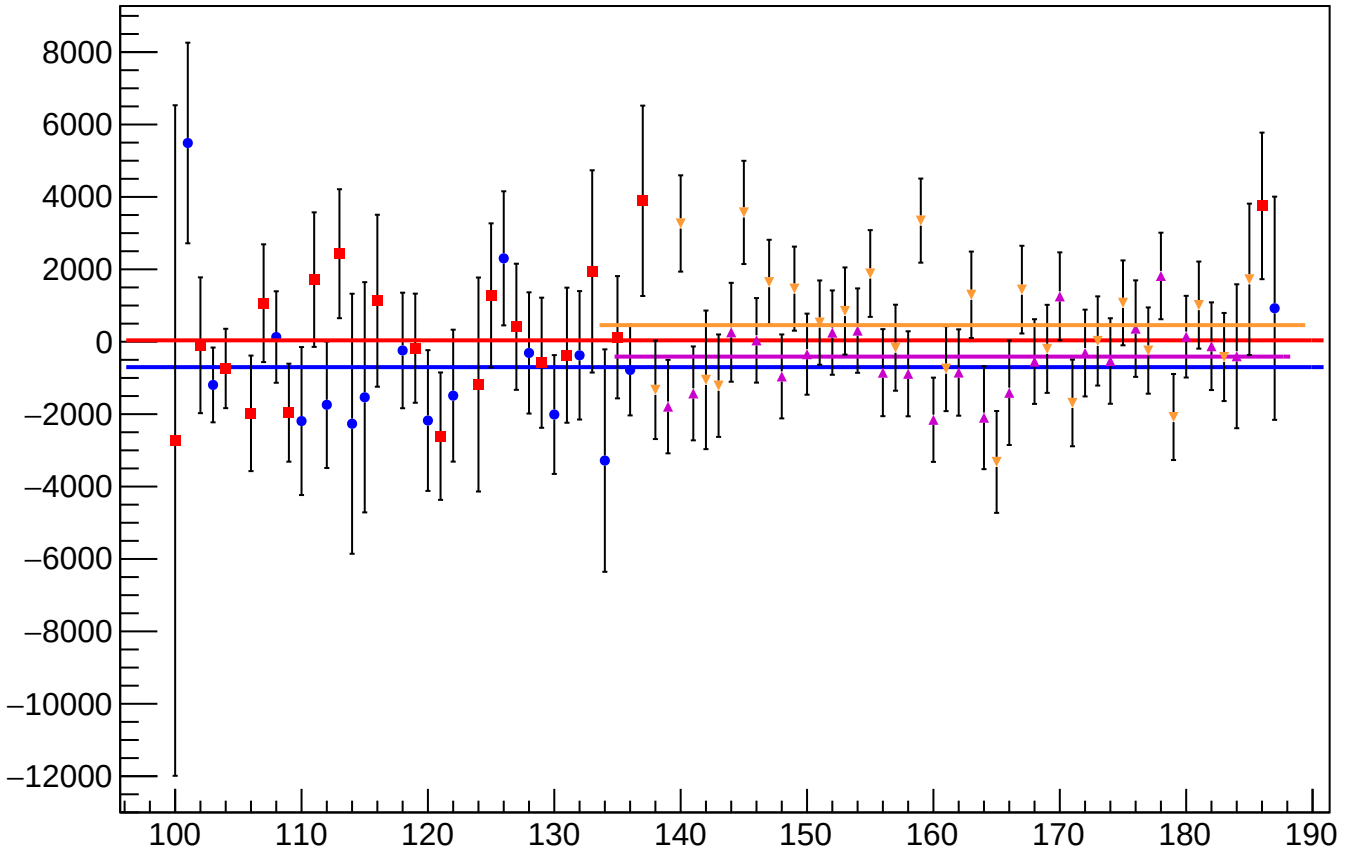
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3072.891+/-0.587 χ^2/NDF: 2711832.4/36

In: 3507.913+/-0.504 χ^2/NDF:2665317.0/39

Out: 3405.544+/-0.481 χ^2/NDF:3329657.7/44

All: 3454.334+/-0.348 χ^2/NDF: 6016606.2/84



Right In: -701.415+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 38.119+/-403.198 χ^2/NDF: 16.6/19

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

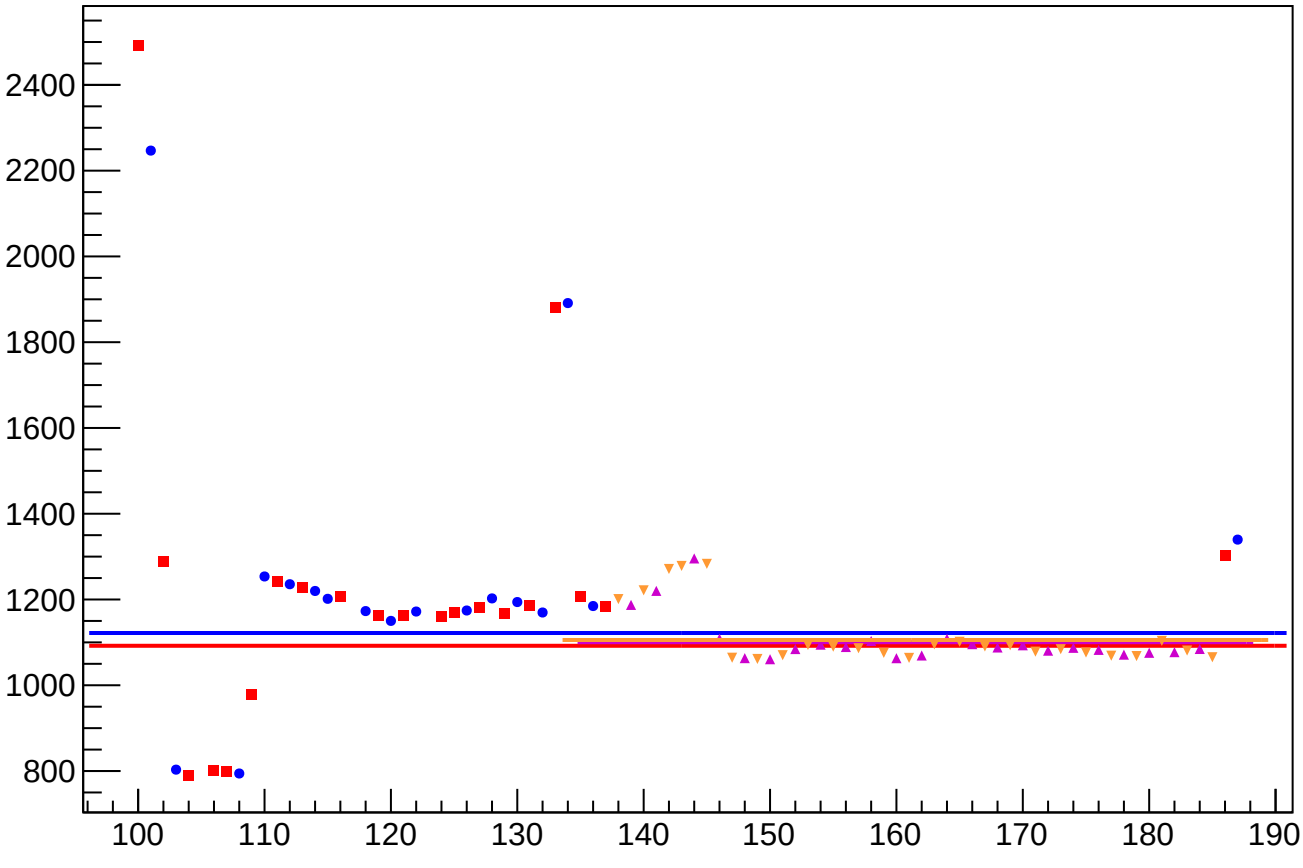
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -313.641+/-291.963 χ^2/NDF: 30.2/36

In: -489.419+/-219.812 χ^2/NDF:26.0/39

Out: 340.973+/-213.413 χ^2/NDF:59.5/44

All: -61.961+/-153.118 χ^2/NDF: 92.8/84



Right In: 1121.871+/-0.299 χ^2/NDF: 830005.2/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1092.070+/-0.285 χ^2/NDF: 617462.2/19

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

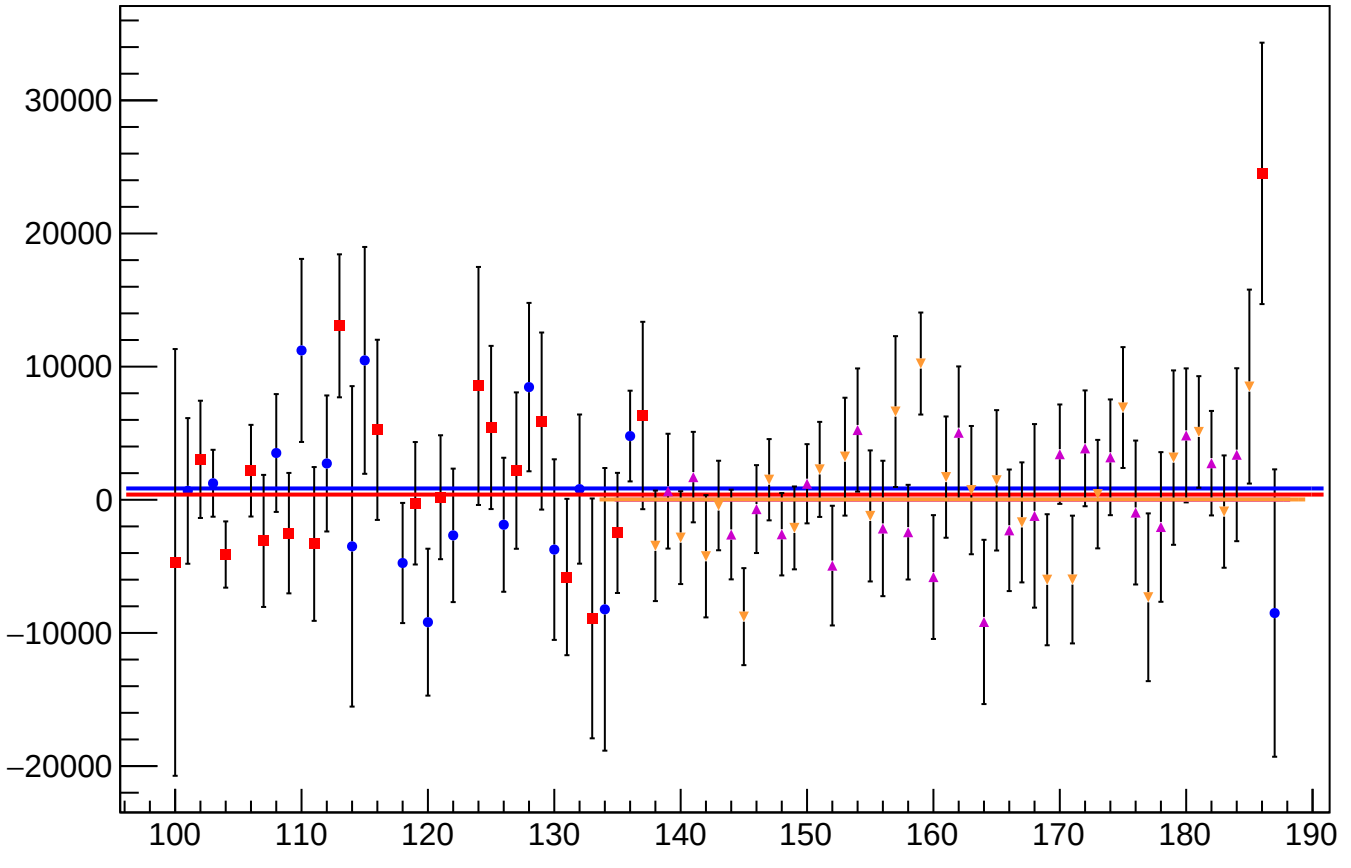
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1106.217+/-0.206 χ^2/NDF: 1452673.3/36

In: 1106.152+/-0.155 χ^2/NDF:914020.9/39

Out: 1101.763+/-0.151 χ^2/NDF:741025.4/44

All: 1103.891+/-0.108 χ^2/NDF: 1655457.0/84



Right In: 851.159+/-1224.838 χ^2/NDF: 14.6/16

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 391.237+/-1130.324 χ^2/NDF: 23.1/19

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

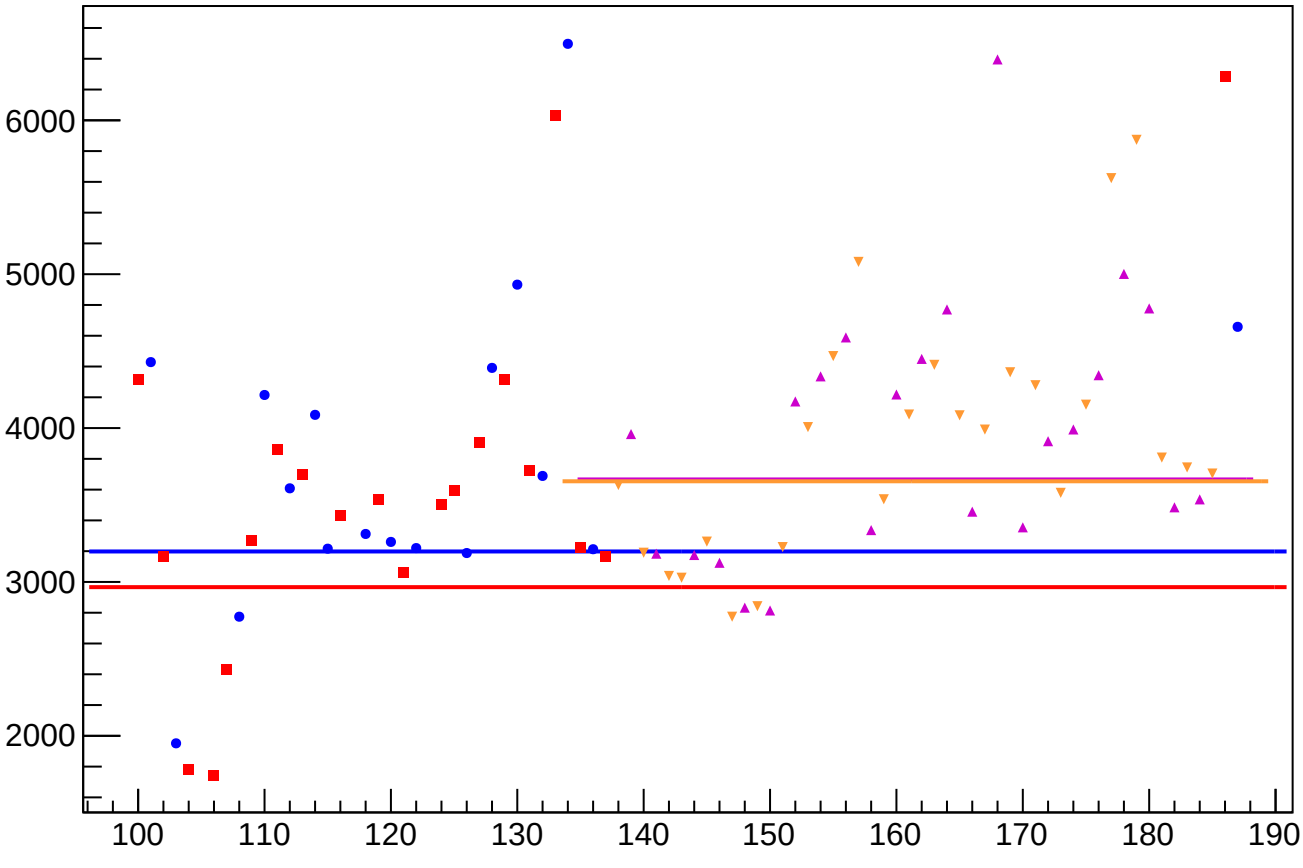
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 602.770+/-830.666 χ^2/NDF: 37.7/36

In: 291.931+/-712.122 χ^2/NDF:28.9/39

Out: 156.330+/-679.554 χ^2/NDF:51.6/44

All: 220.959+/-491.628 χ^2/NDF: 80.5/84



Right In: 3198.102+/-0.866 χ^2/NDF: 1128307.7/16

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 2966.258+/-0.799 χ^2/NDF: 1544824.8/19

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

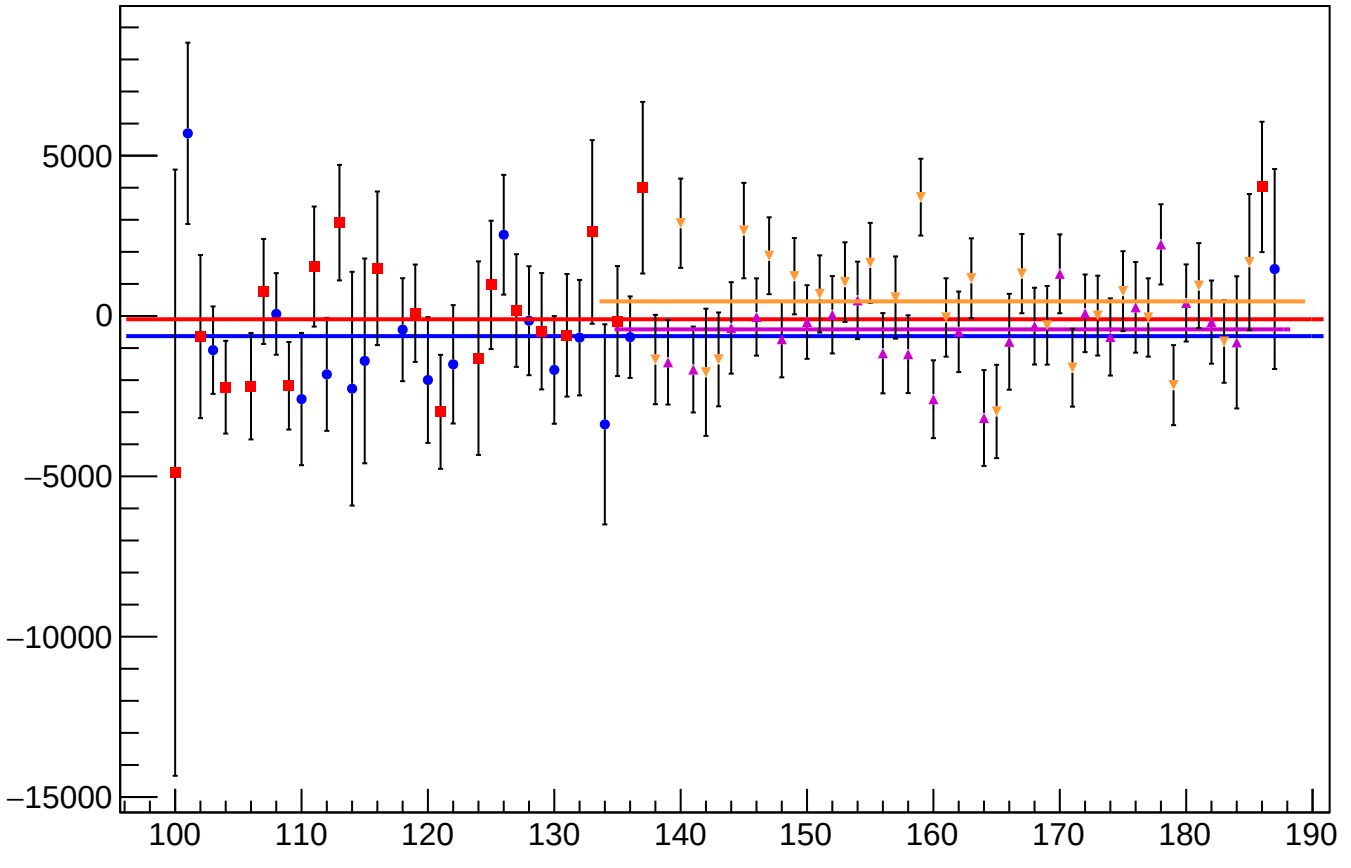
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3072.891+/-0.587 χ^2/NDF: 2711832.4/36

In: 3507.913+/-0.504 χ^2/NDF:2665317.0/39

Out: 3405.544+/-0.481 χ^2/NDF:3329657.7/44

All: 3454.334+/-0.348 χ^2/NDF: 6016606.2/84



Right In: -627.541+/-443.931 χ^2/NDF: 12.3/16

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -101.699+/-424.825 χ^2/NDF: 21.3/19

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

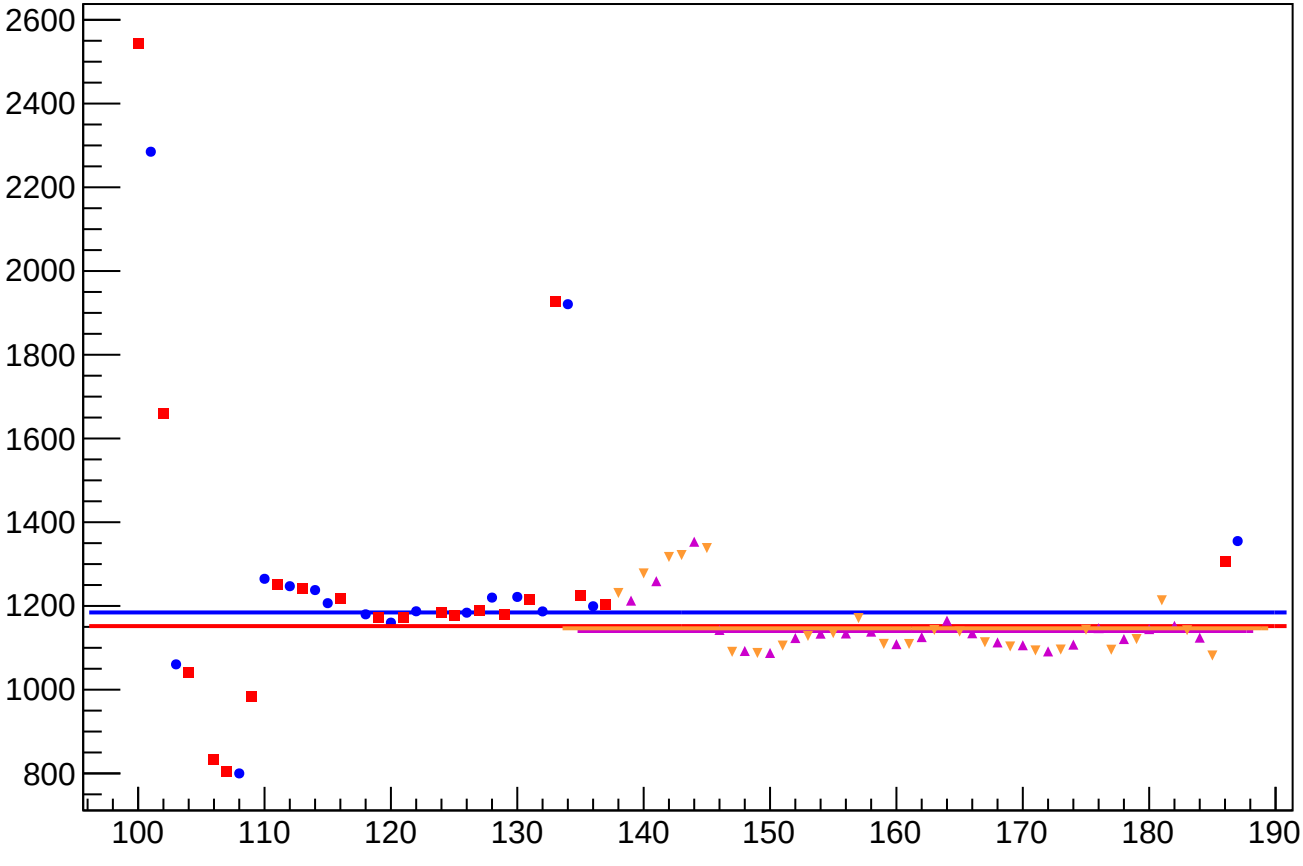
Right: -353.061+/-306.929 χ^2/NDF: 34.3/36

In: -472.949+/-228.542 χ^2/NDF:29.8/39

Out: 302.964+/-222.387 χ^2/NDF:58.6/44

All: -74.404+/-159.383 χ^2/NDF: 94.4/84

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1184.483+/-0.314 χ^2/NDF: 627982.6/16

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1151.868+/-0.300 χ^2/NDF: 509946.7/19

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

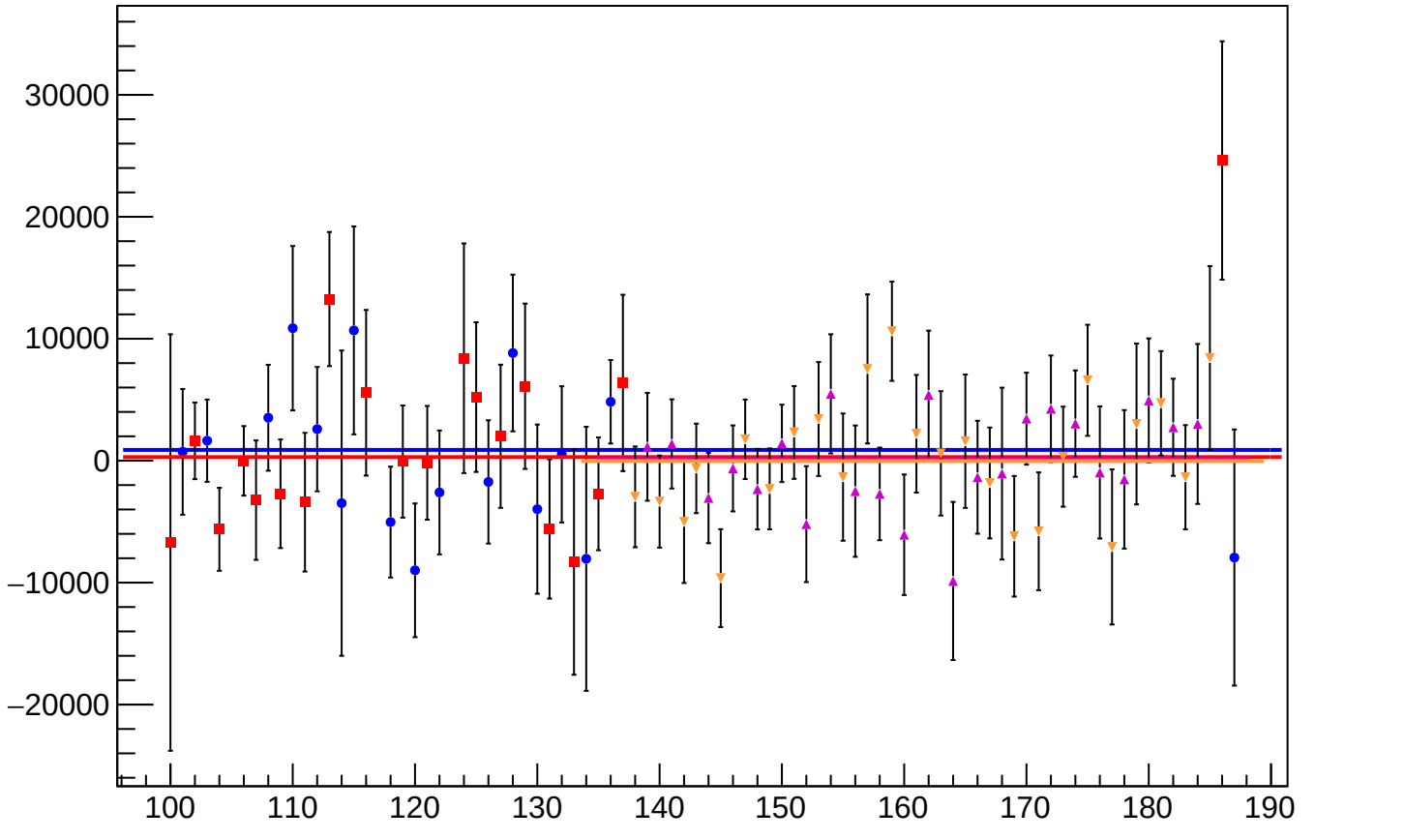
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1167.452+/-0.217 χ^2/NDF: 1143566.5/36

In: 1151.913+/-0.162 χ^2/NDF:727367.8/39

Out: 1148.054+/-0.157 χ^2/NDF:651184.8/44

All: 1149.931+/-0.113 χ^2/NDF: 1378845.4/84



Right In: 885.281+/-1292.530 χ^2/NDF: 14.6/16

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 295.438+/-1123.250 χ^2/NDF: 22.4/19

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

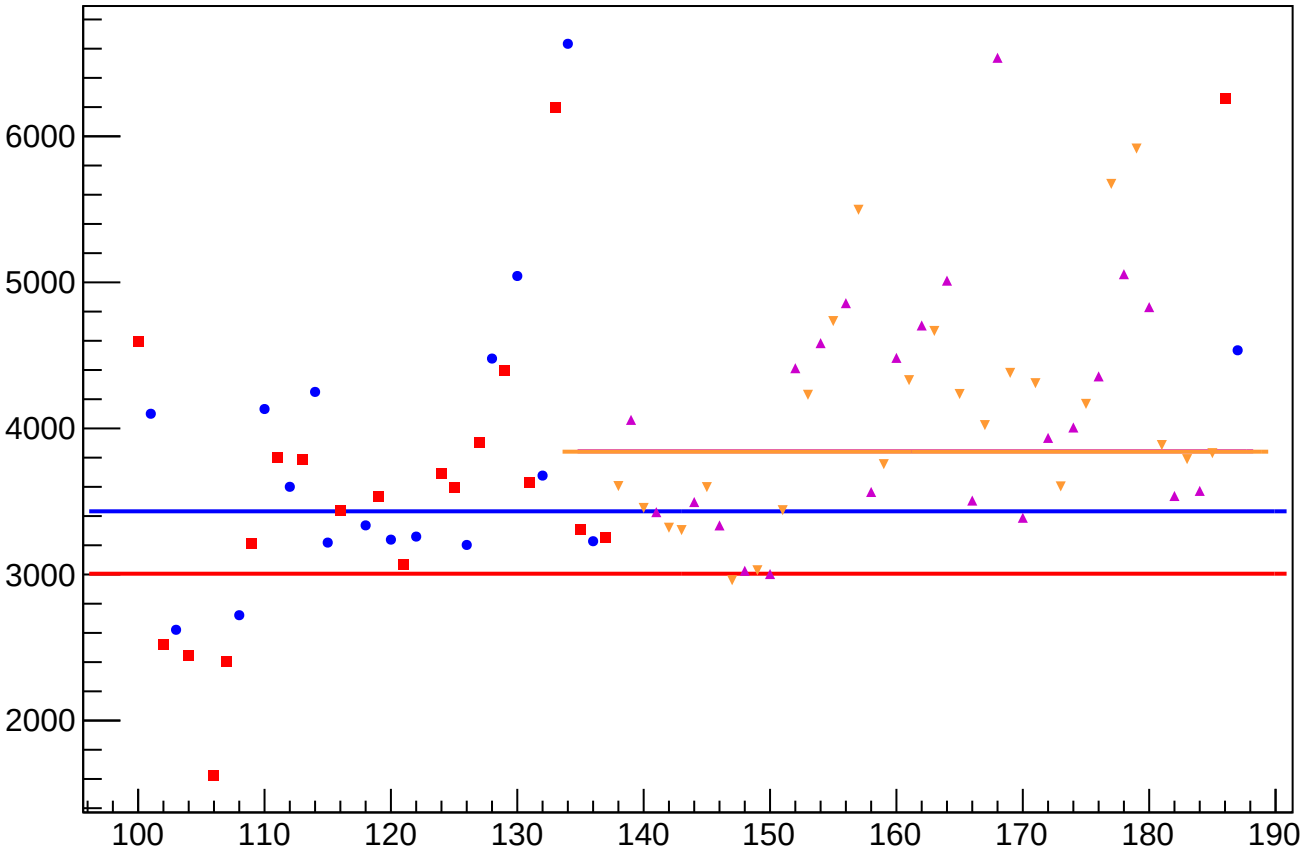
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 549.229+/-847.835 χ^2/NDF: 37.1/36

In: 376.448+/-747.198 χ^2/NDF:28.6/39

Out: 93.574+/-698.230 χ^2/NDF:50.2/44

All: 225.438+/-510.157 χ^2/NDF: 78.9/84



Right In: 3432.549+/-0.914 χ^2/NDF: 614720.4/16

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3005.310+/-0.794 χ^2/NDF: 1393478.2/19

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

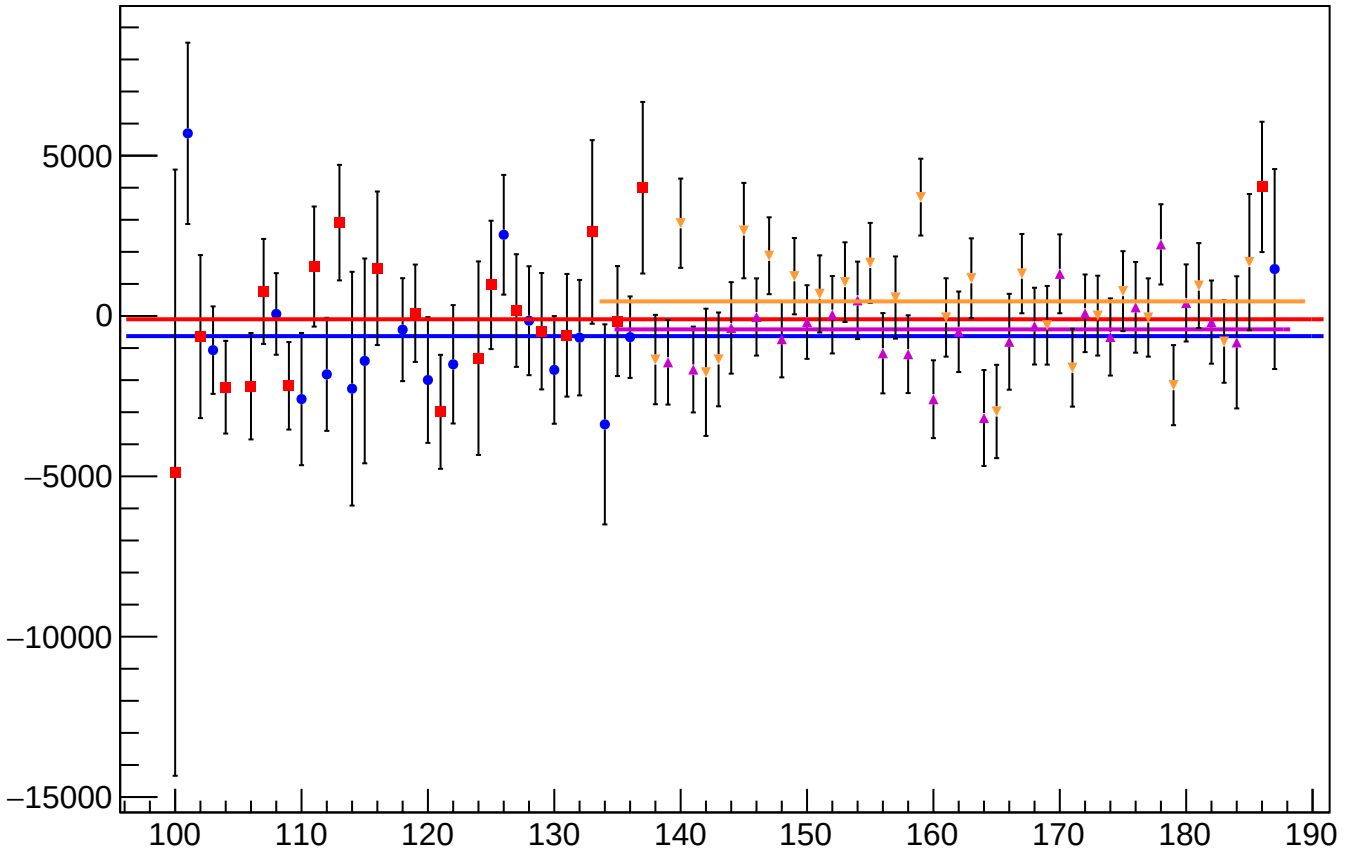
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3189.138+/-0.600 χ^2/NDF: 2132695.9/36

In: 3706.051+/-0.528 χ^2/NDF:1945276.5/39

Out: 3517.980+/-0.494 χ^2/NDF:3191147.9/44

All: 3605.651+/-0.361 χ^2/NDF: 5204065.7/84



Right In: -627.546+/-443.931 χ^2/NDF: 12.3/16

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -101.708+/-424.825 χ^2/NDF: 21.3/19

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

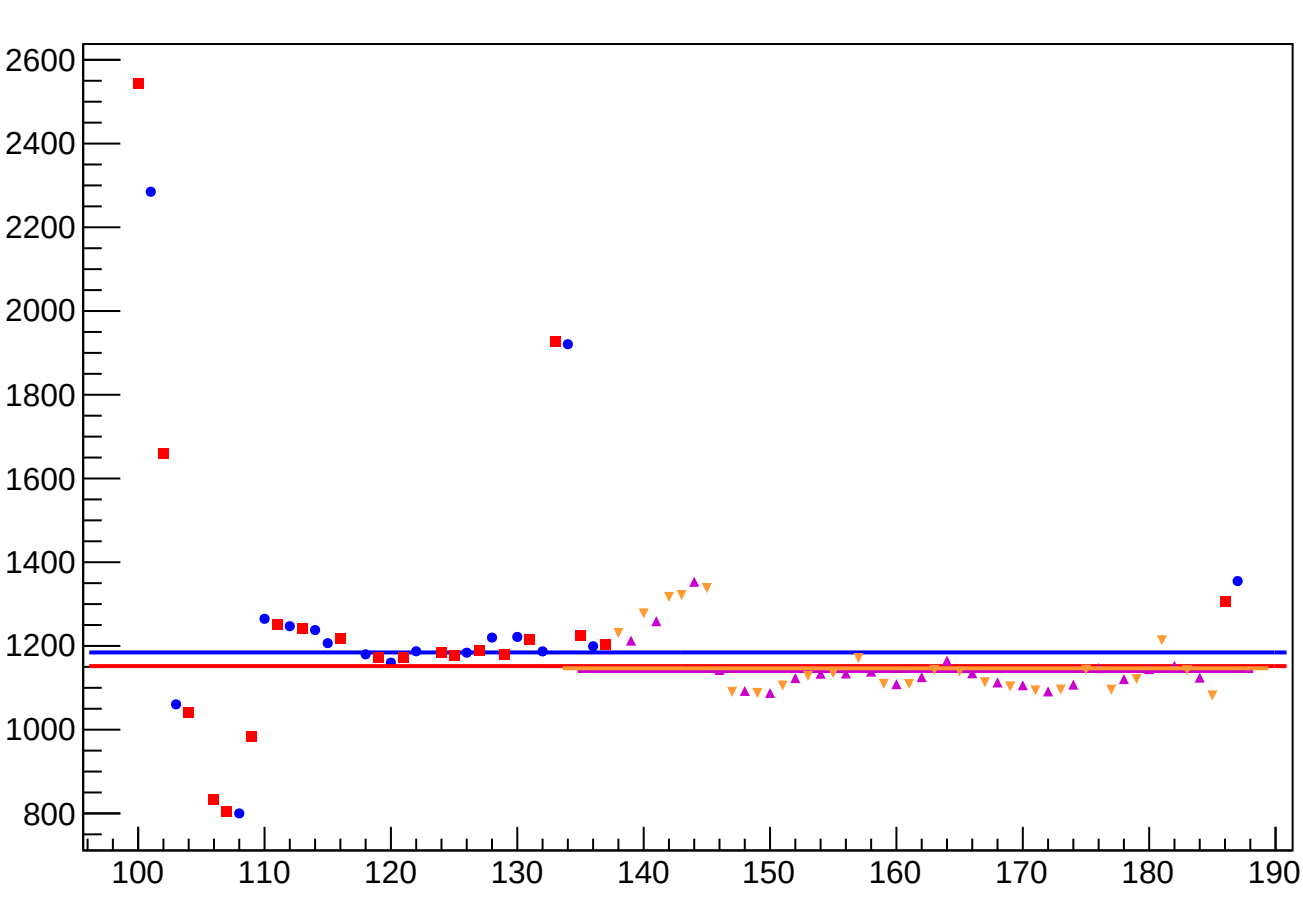
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -353.068+/-306.929 χ^2/NDF: 34.3/36

In: -472.949+/-228.542 χ^2/NDF:29.8/39

Out: 302.965+/-222.387 χ^2/NDF:58.6/44

All: -74.403+/-159.383 χ^2/NDF: 94.4/84



Right In: 1184.483+/-0.314 χ^2/NDF: 627982.8/16

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1151.869+/-0.300 χ^2/NDF: 509946.3/19

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

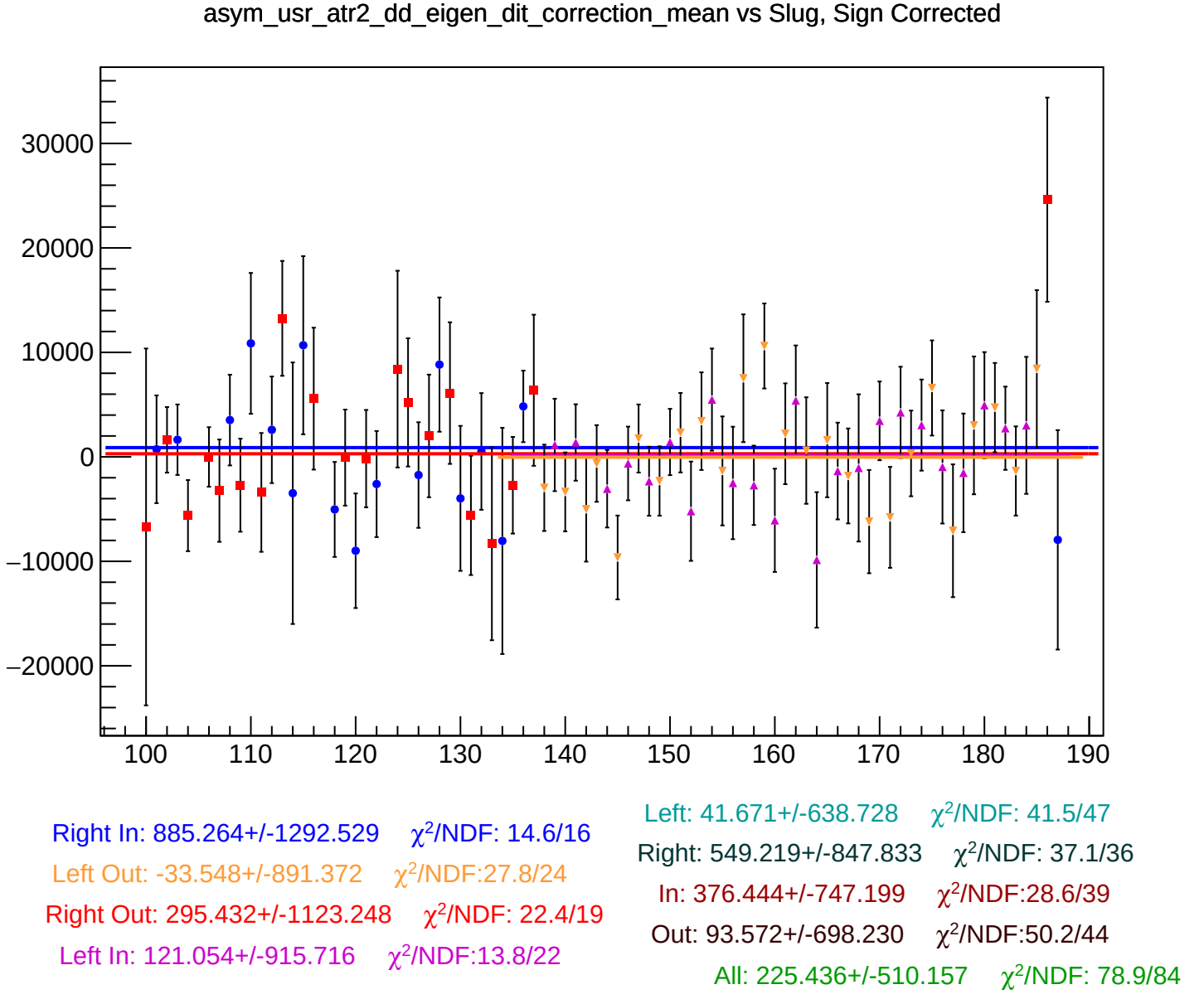
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

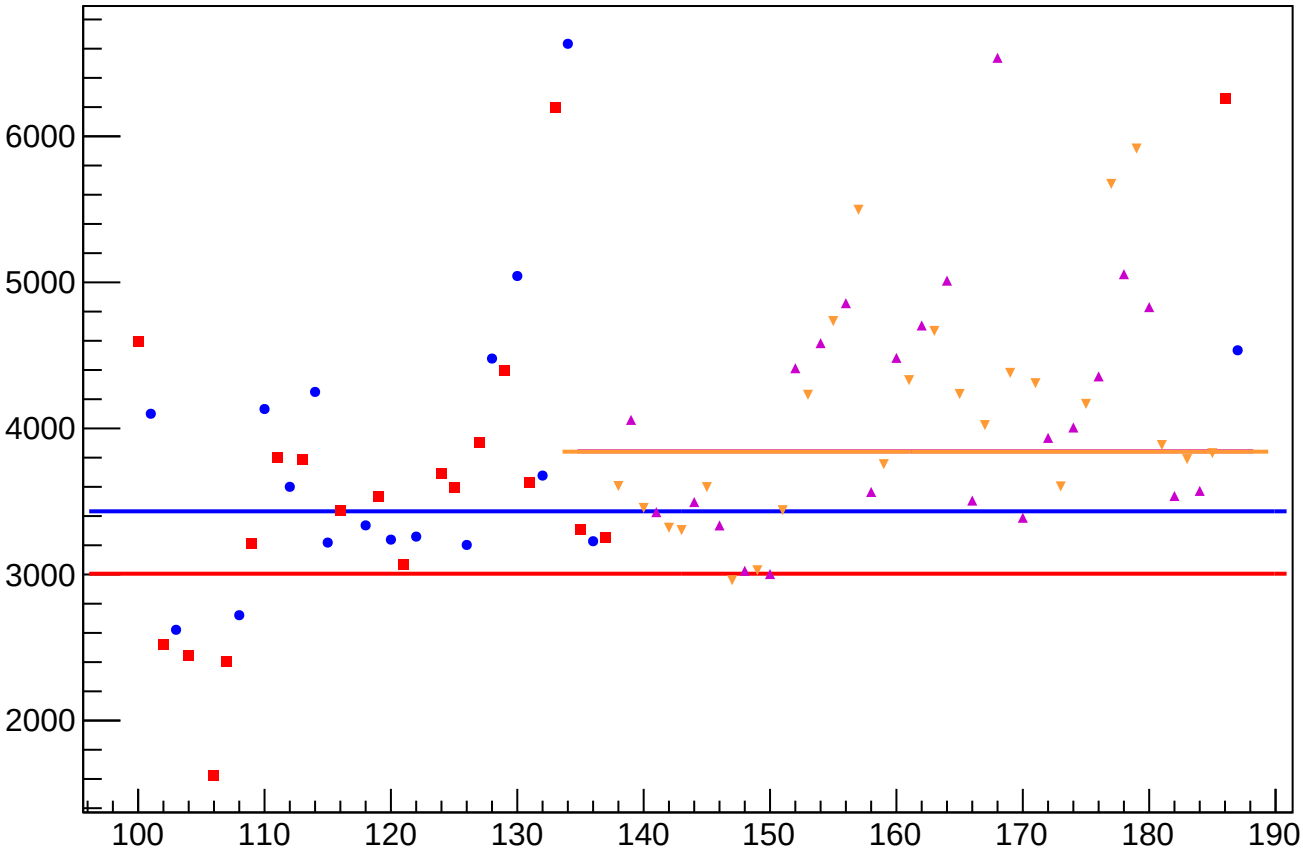
Right: 1167.452+/-0.217 χ^2/NDF: 1143566.2/36

In: 1151.913+/-0.162 χ^2/NDF:727367.1/39

Out: 1148.055+/-0.157 χ^2/NDF:651184.4/44

All: 1149.931+/-0.113 χ^2/NDF: 1378844.4/84


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 885.264+/-1292.529 χ²/NDF: 14.6/16
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 295.432+/-1123.248 χ²/NDF: 22.4/19
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 549.219+/-847.833 χ²/NDF: 37.1/36
In: 376.444+/-747.199 χ²/NDF:28.6/39
Out: 93.572+/-698.230 χ²/NDF:50.2/44
All: 225.436+/-510.157 χ²/NDF: 78.9/84



Right In: 3432.546+/-0.914 χ^2/NDF: 614715.9/16

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3005.305+/-0.794 χ^2/NDF: 1393477.1/19

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

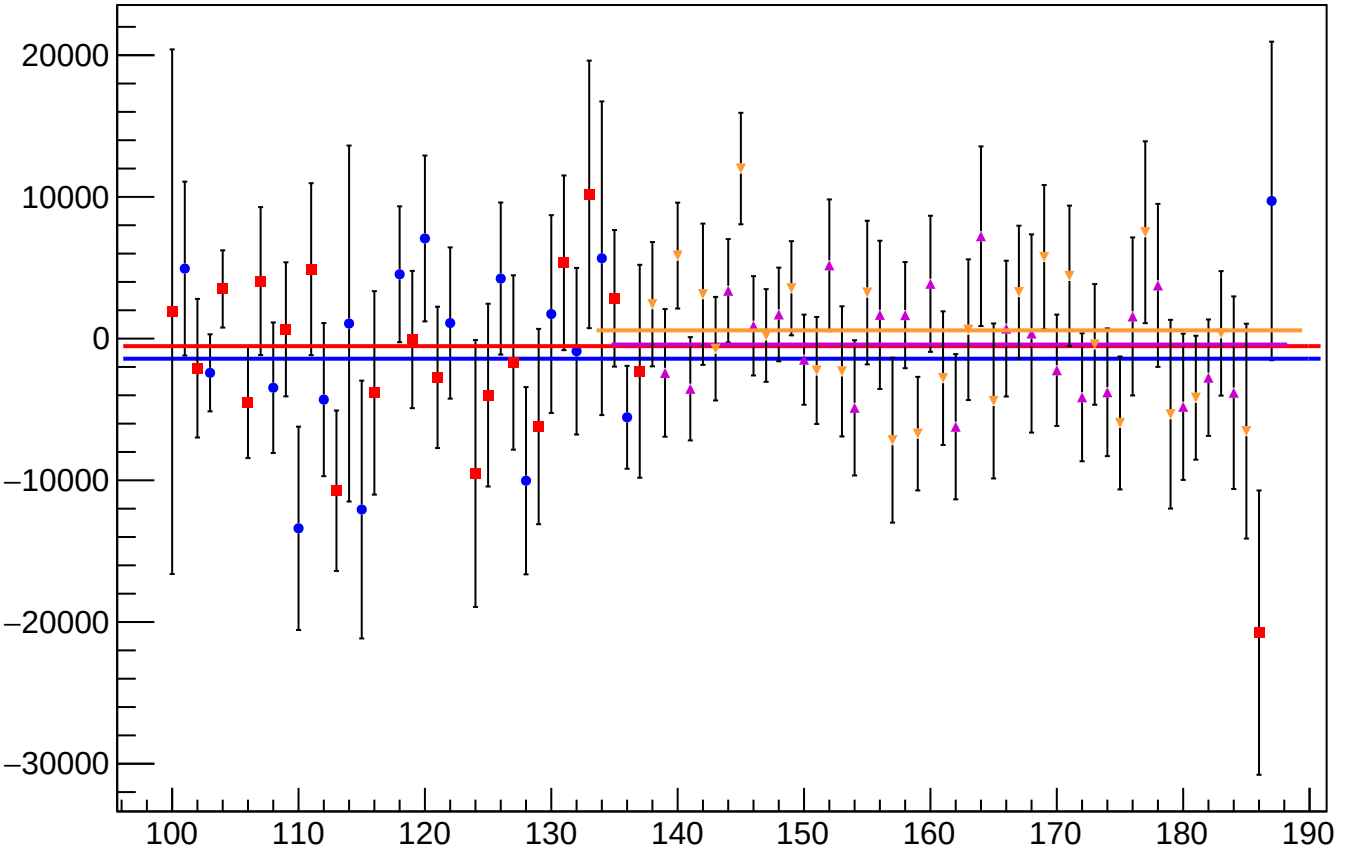
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3189.134+/-0.600 χ^2/NDF: 2132691.5/36

In: 3706.053+/-0.528 χ^2/NDF:1945281.4/39

Out: 3517.980+/-0.494 χ^2/NDF:3191165.9/44

All: 3605.652+/-0.361 χ^2/NDF: 5204089.7/84



Right In: -1417.851+/-1304.068 χ^2/NDF: 15.5/16

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -532.257+/-1215.300 χ^2/NDF: 17.3/19

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

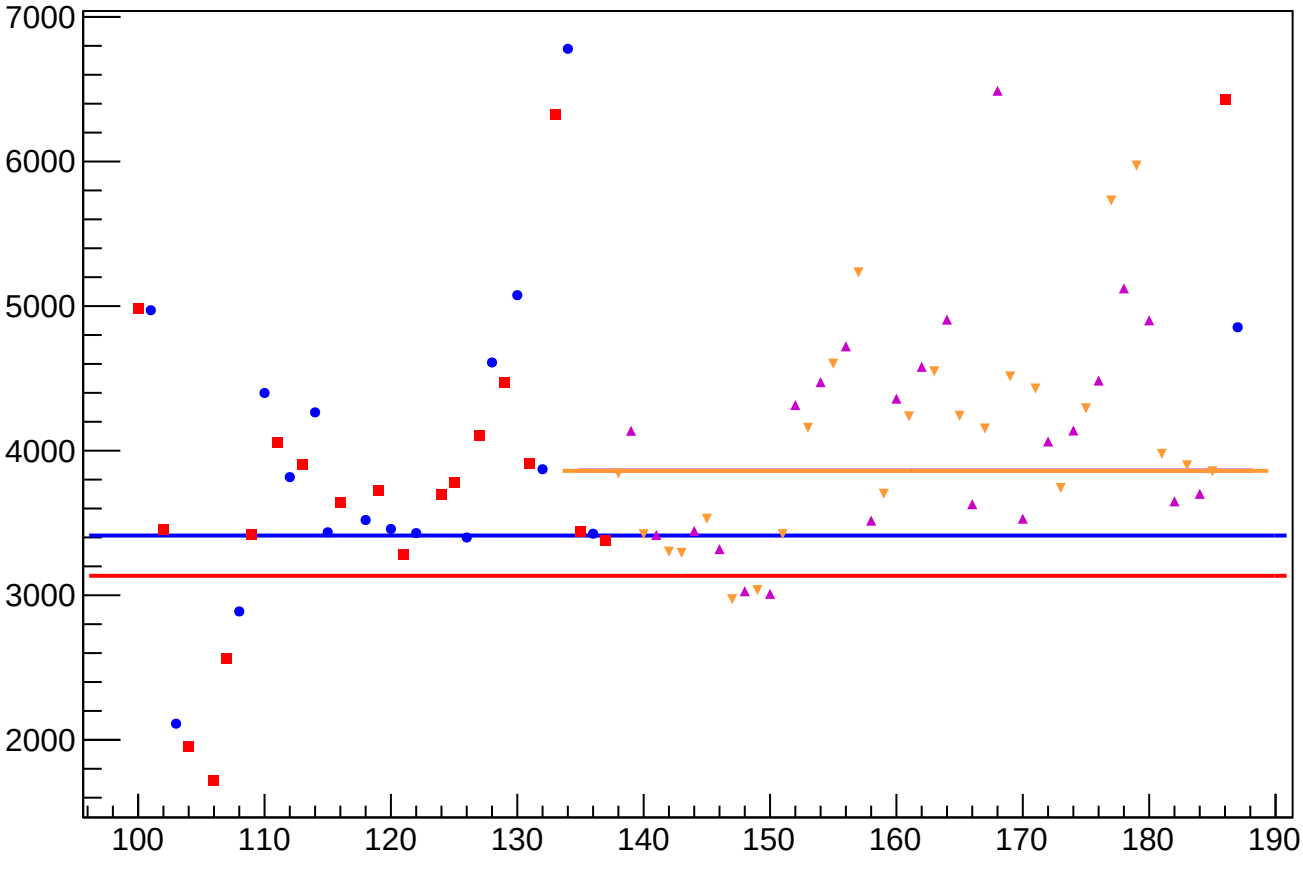
Right: -943.889+/-889.074 χ^2/NDF: 33.1/36

In: -748.985+/-751.209 χ^2/NDF:28.3/39

Out: 191.070+/-720.610 χ^2/NDF:45.3/44

All: -259.422+/-520.029 χ^2/NDF: 74.5/84

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3413.026+/-0.922 χ^2/NDF: 1082017.8/16

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3134.720+/-0.845 χ^2/NDF: 1546900.7/19

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

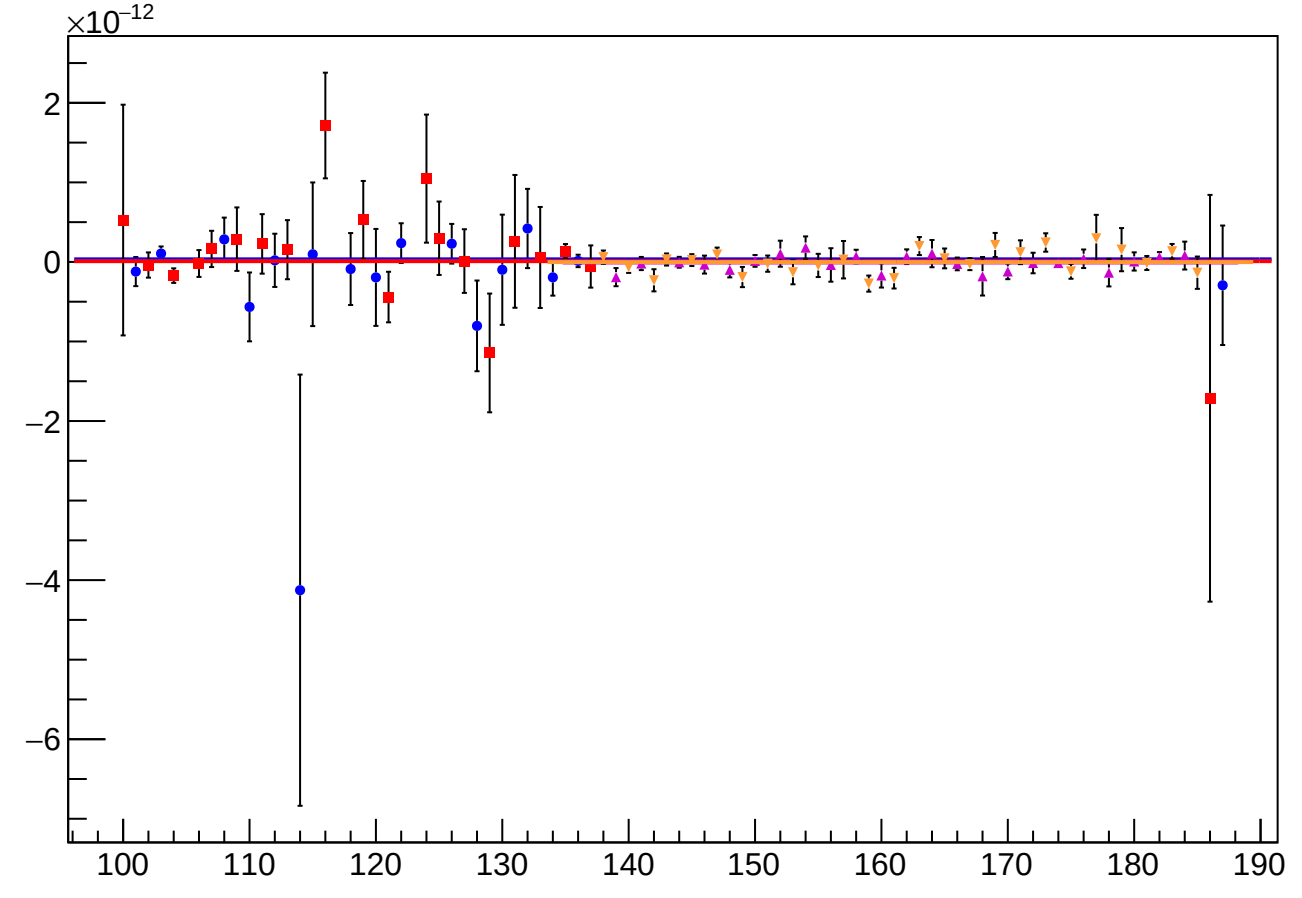
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3261.777+/-0.623 χ^2/NDF: 2678423.2/36

In: 3713.242+/-0.531 χ^2/NDF:2382837.1/39

Out: 3599.812+/-0.507 χ^2/NDF:3116787.6/44

All: 3653.835+/-0.367 χ^2/NDF: 5523506.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 12.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/19

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

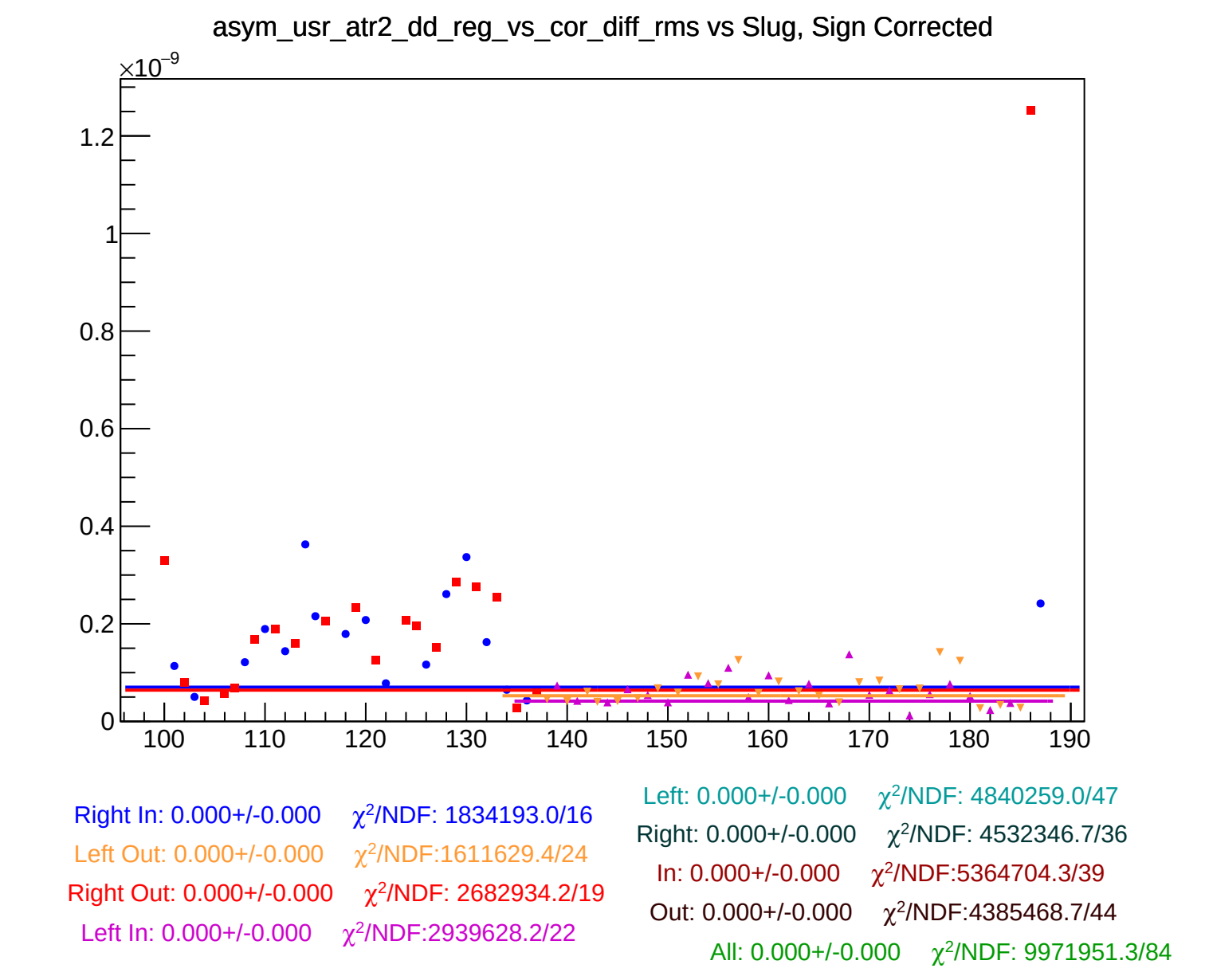
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 34.5/36

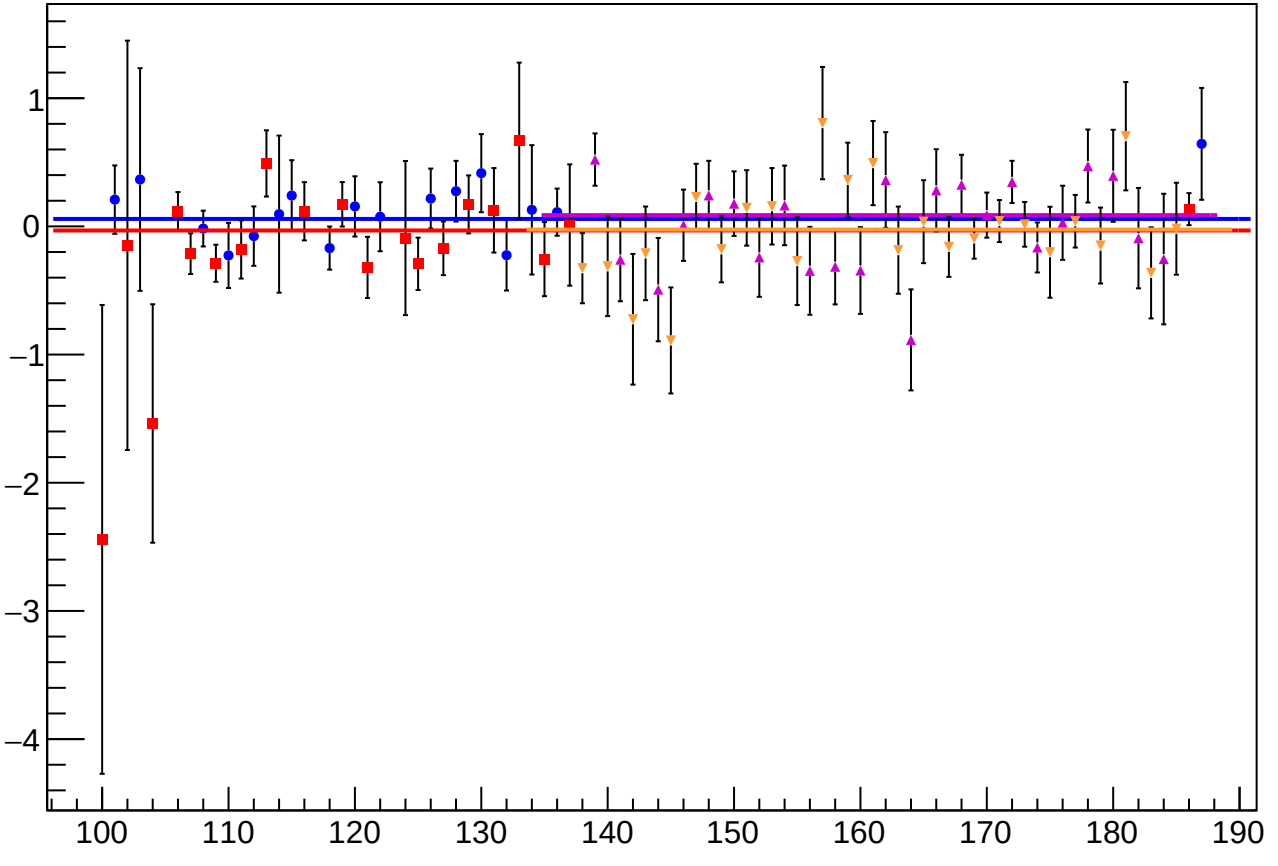
In: -0.000+/-0.000 χ^2/NDF:25.4/39

Out: -0.000+/-0.000 χ^2/NDF:56.6/44

All: -0.000+/-0.000 χ^2/NDF: 82.0/84


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1834193.0/16
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2682934.2/19
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
Left: 0.000+/-0.000 χ²/NDF: 4840259.0/47
Right: 0.000+/-0.000 χ²/NDF: 4532346.7/36
In: 0.000+/-0.000 χ²/NDF:5364704.3/39
Out: 0.000+/-0.000 χ²/NDF:4385468.7/44
All: 0.000+/-0.000 χ²/NDF: 9971951.3/84

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.032+/-0.050 χ^2/NDF: 24.3/19

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

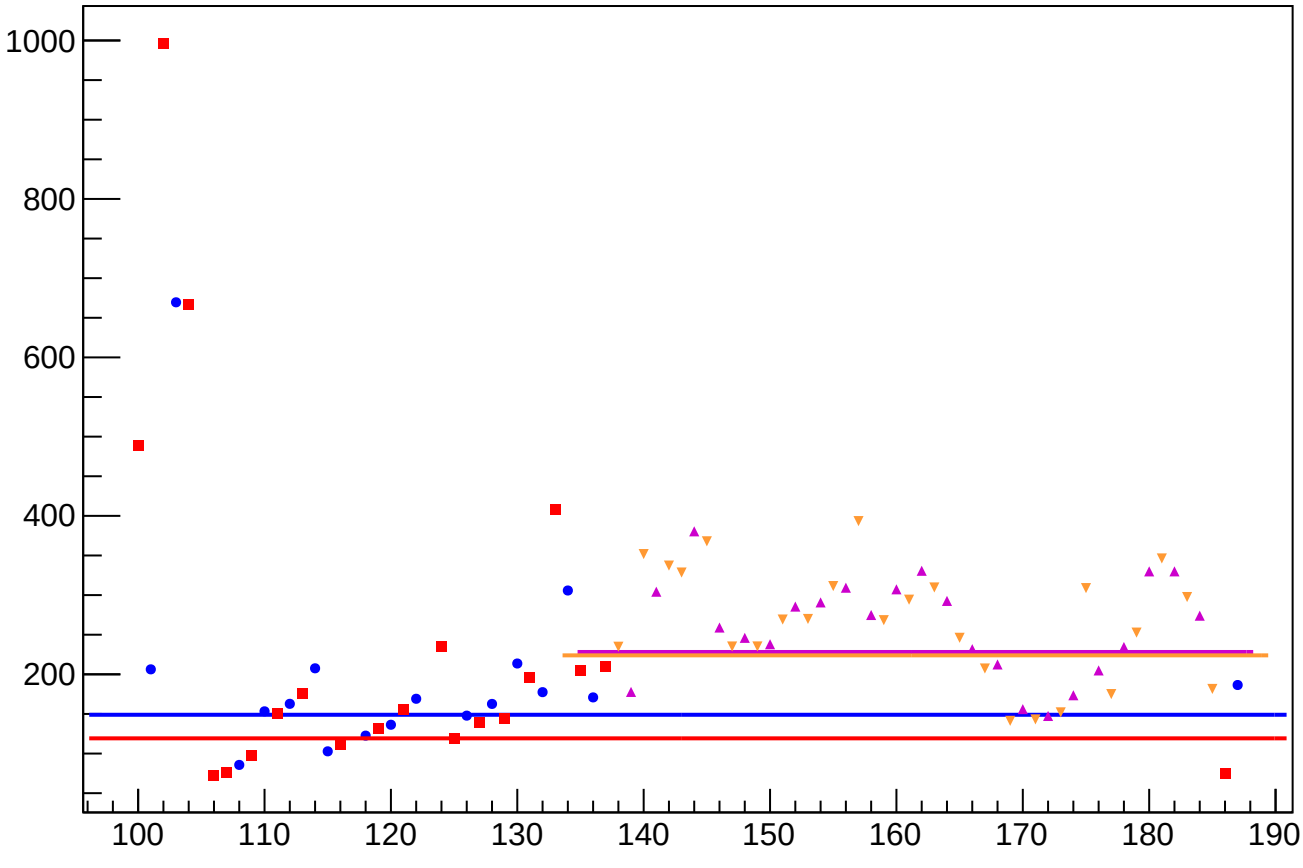
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.005+/-0.038 χ^2/NDF: 36.1/36

In: 0.074+/-0.041 χ^2/NDF:40.5/39

Out: -0.029+/-0.037 χ^2/NDF:48.4/44

All: 0.017+/-0.027 χ^2/NDF: 92.4/84



Right In: 148.952+/-0.042 χ^2/NDF: 1725146.7/16

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 119.200+/-0.035 χ^2/NDF: 3141851.7/19

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

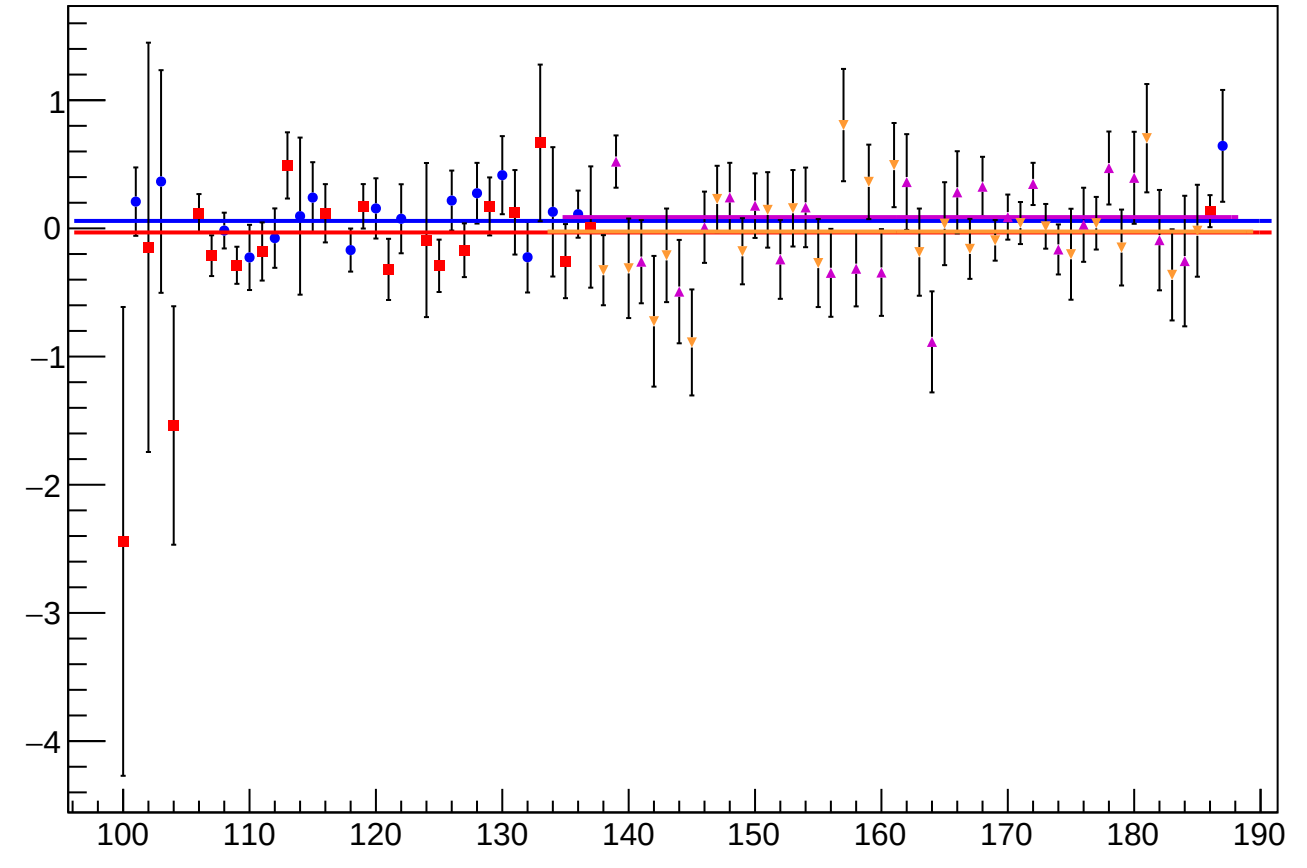
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 131.546+/-0.027 χ^2/NDF: 5159861.6/36

In: 190.493+/-0.029 χ^2/NDF:6075796.4/39

Out: 167.063+/-0.026 χ^2/NDF:10577507.1/44

All: 177.545+/-0.019 χ^2/NDF: 17013855.9/84



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.032+/-0.050 χ^2/NDF: 24.3/19

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

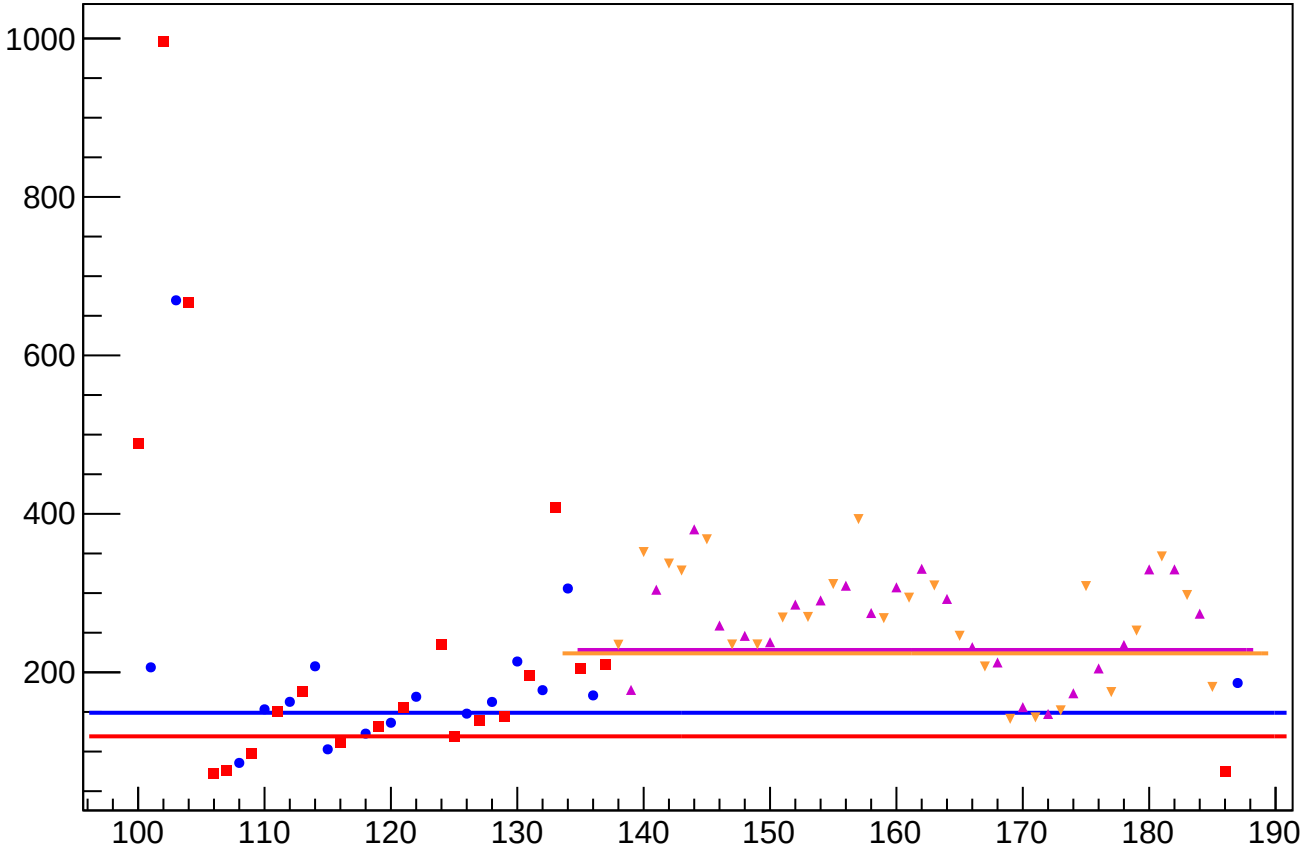
Right: 0.005+/-0.038 χ^2/NDF: 36.1/36

In: 0.074+/-0.041 χ^2/NDF:40.5/39

Out: -0.029+/-0.037 χ^2/NDF:48.4/44

All: 0.017+/-0.027 χ^2/NDF: 92.4/84

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.952+/-0.042 χ^2/NDF: 1725146.7/16

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 119.200+/-0.035 χ^2/NDF: 3141851.7/19

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

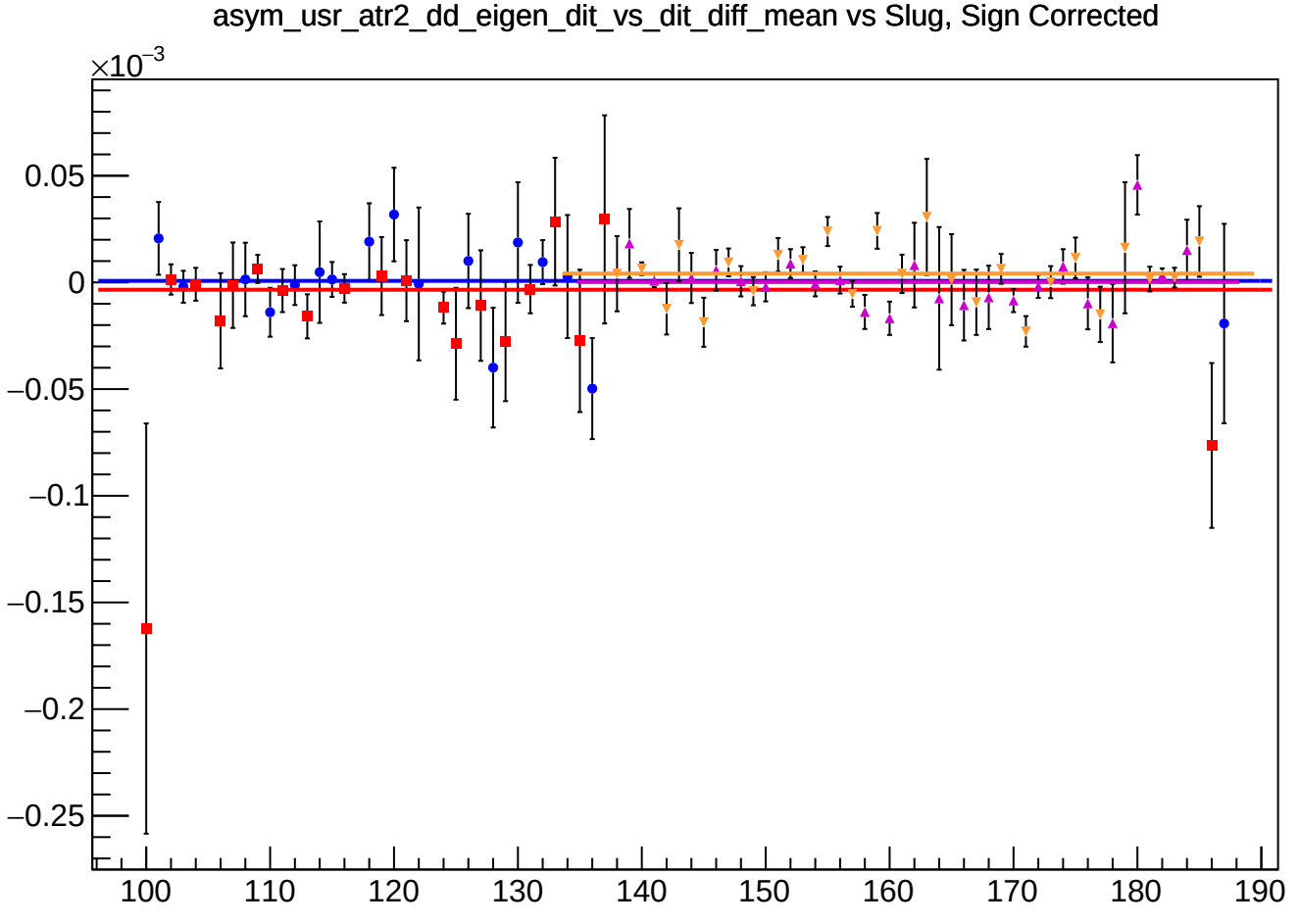
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 131.546+/-0.027 χ^2/NDF: 5159861.6/36

In: 190.493+/-0.029 χ^2/NDF:6075796.4/39

Out: 167.063+/-0.026 χ^2/NDF:10577507.1/44

All: 177.545+/-0.019 χ^2/NDF: 17013855.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/19

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

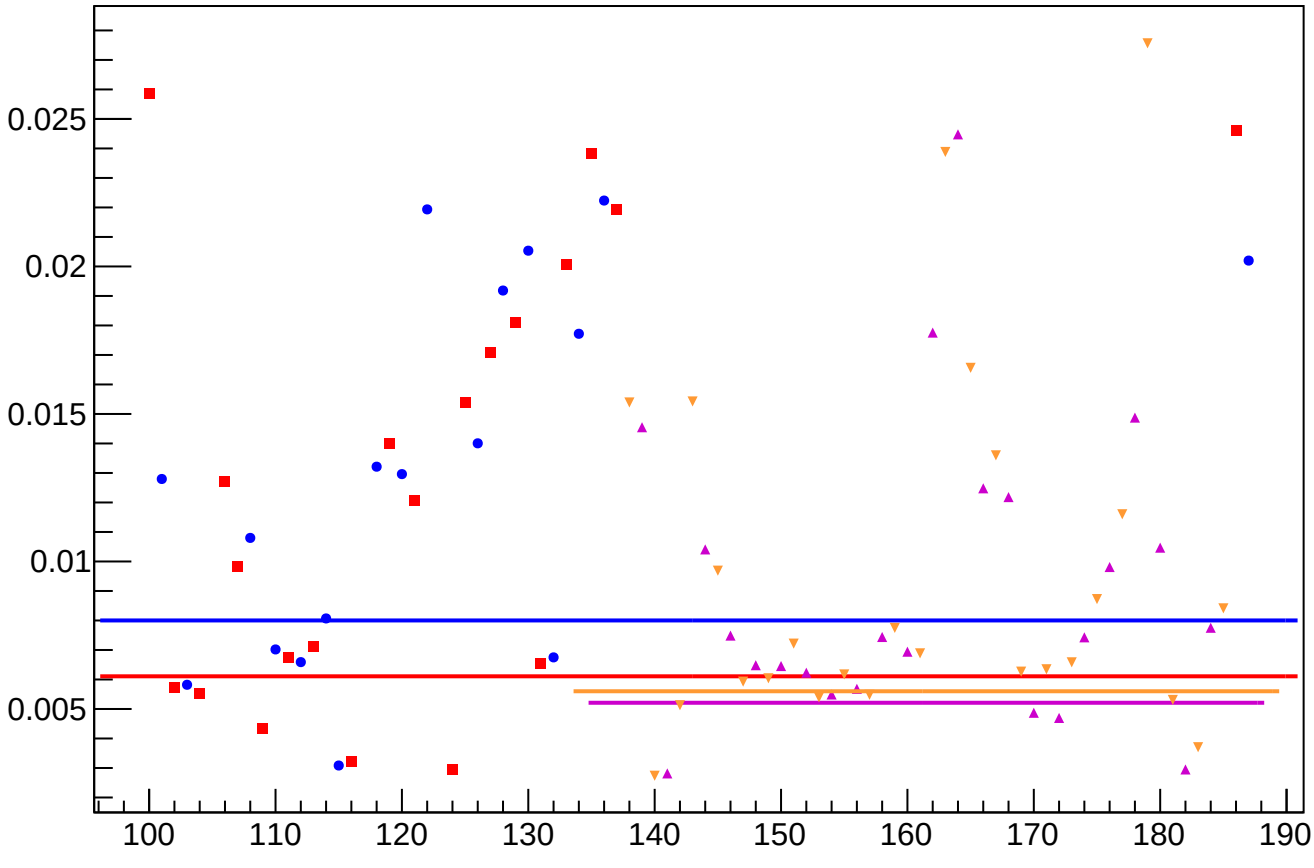
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.6/36

In: 0.000+/-0.000 χ^2/NDF:44.5/39

Out: 0.000+/-0.000 χ^2/NDF:71.5/44

All: 0.000+/-0.000 χ^2/NDF: 117.2/84



Right In: 0.008+/-0.000 χ^2/NDF: 3714654.8/16

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 4469801.4/19

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

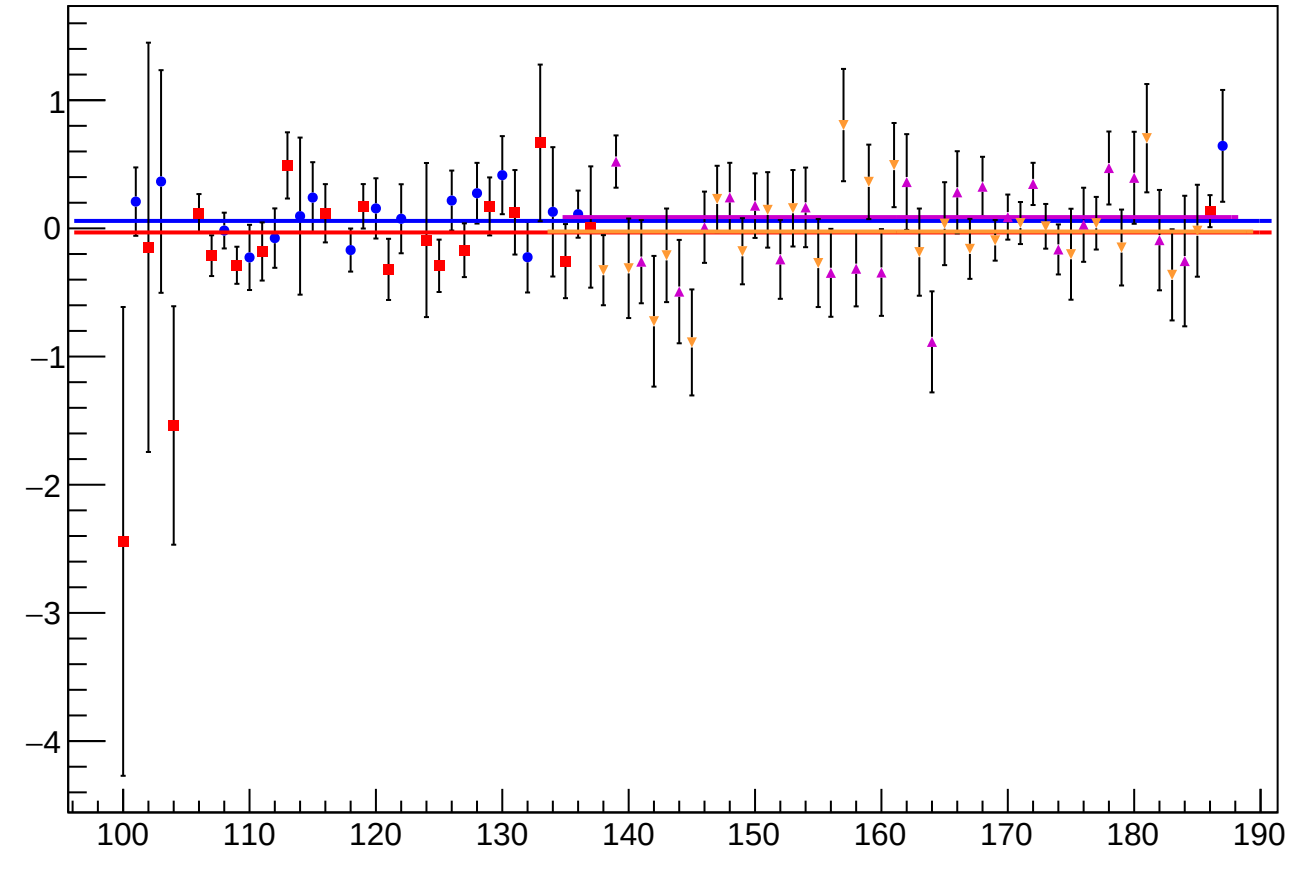
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 8565321.7/36

In: 0.006+/-0.000 χ^2/NDF:12289845.8/39

Out: 0.006+/-0.000 χ^2/NDF:12295720.2/44

All: 0.006+/-0.000 χ^2/NDF: 24591565.7/84



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.032+/-0.050 χ^2/NDF: 24.3/19

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

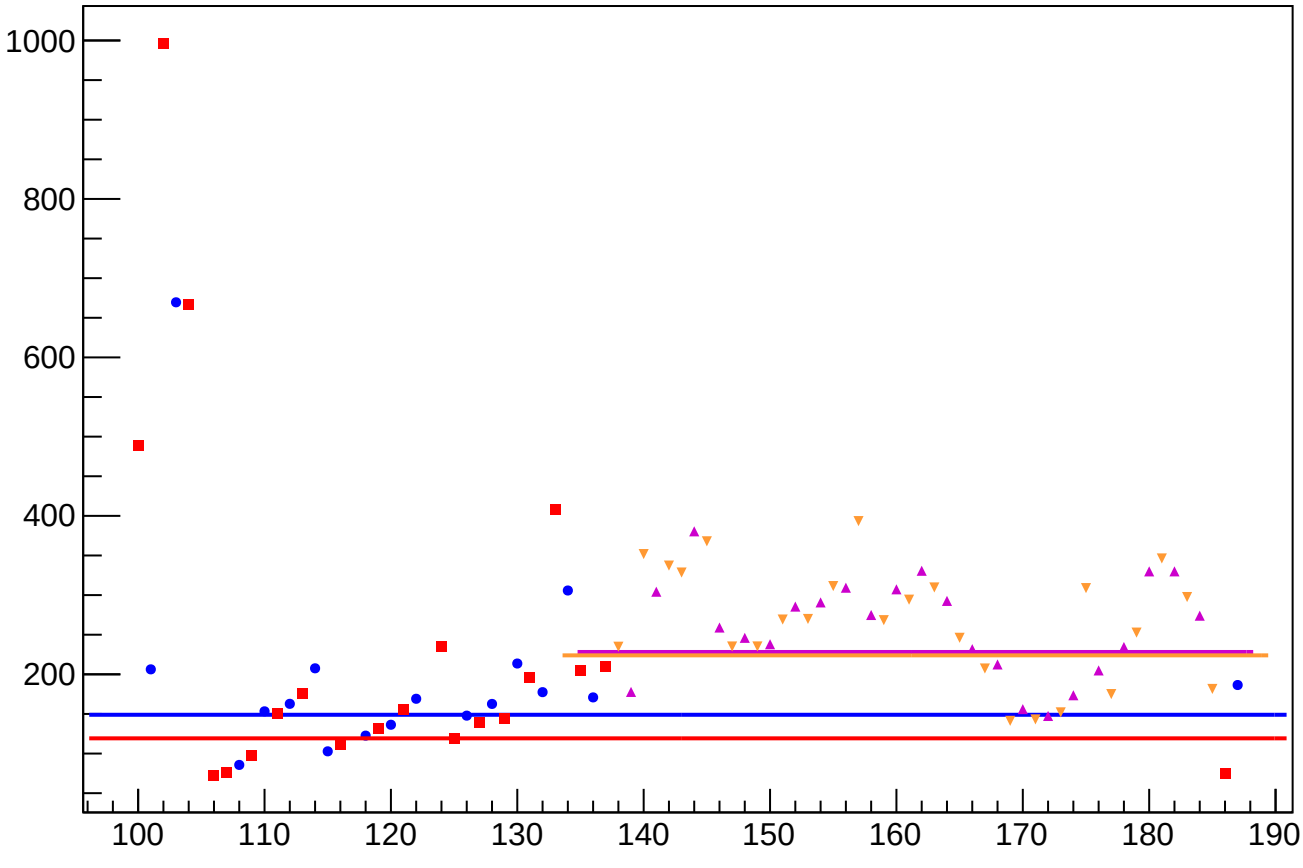
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.005+/-0.038 χ^2/NDF: 36.1/36

In: 0.074+/-0.041 χ^2/NDF:40.5/39

Out: -0.029+/-0.037 χ^2/NDF:48.4/44

All: 0.017+/-0.027 χ^2/NDF: 92.4/84



Right In: 148.949+/-0.042 χ^2/NDF: 1725219.6/16

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 119.203+/-0.035 χ^2/NDF: 3141641.7/19

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

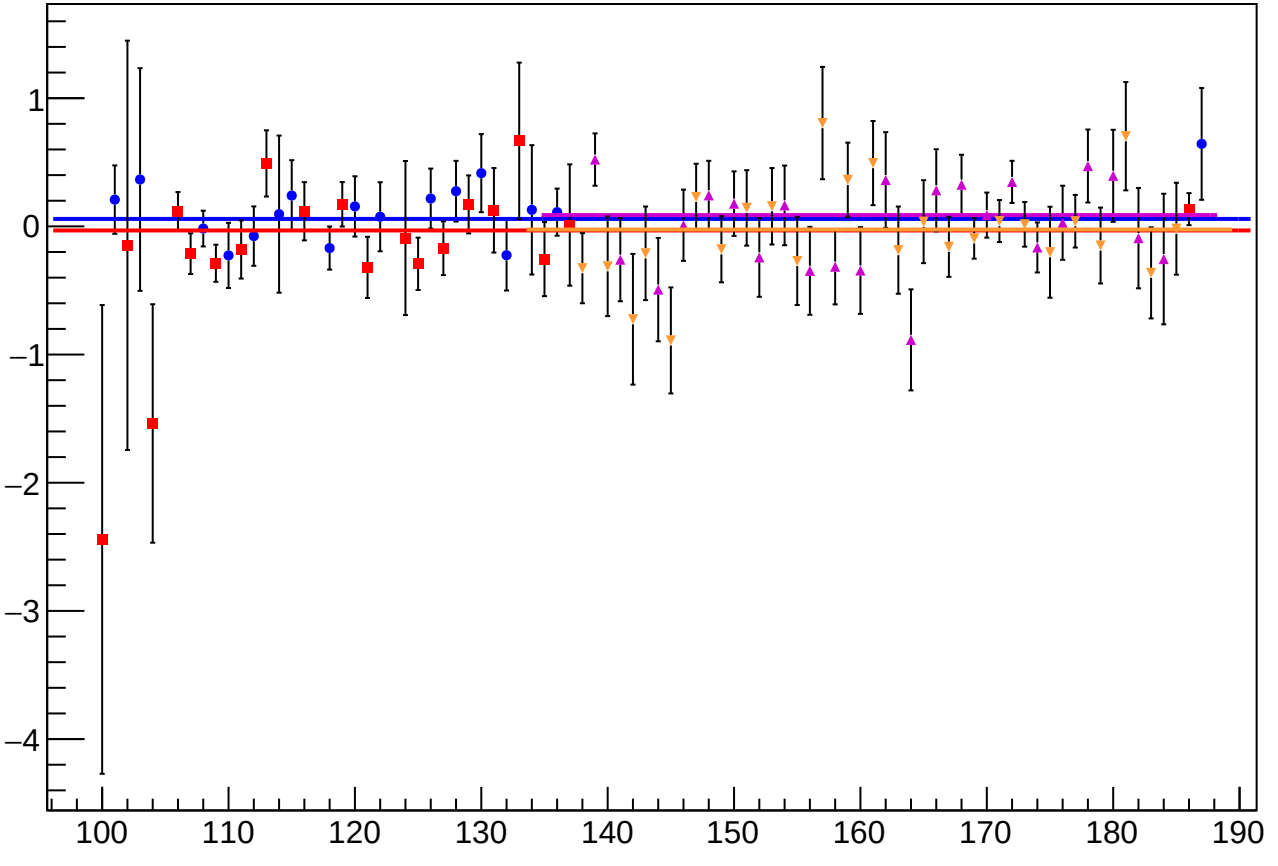
Right: 131.548+/-0.027 χ^2/NDF: 5159597.7/36

In: 190.491+/-0.029 χ^2/NDF:6076114.0/39

Out: 167.067+/-0.026 χ^2/NDF:10577084.7/44

All: 177.547+/-0.019 χ^2/NDF: 17013603.6/84

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.032+/-0.050 χ^2/NDF: 24.3/19

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

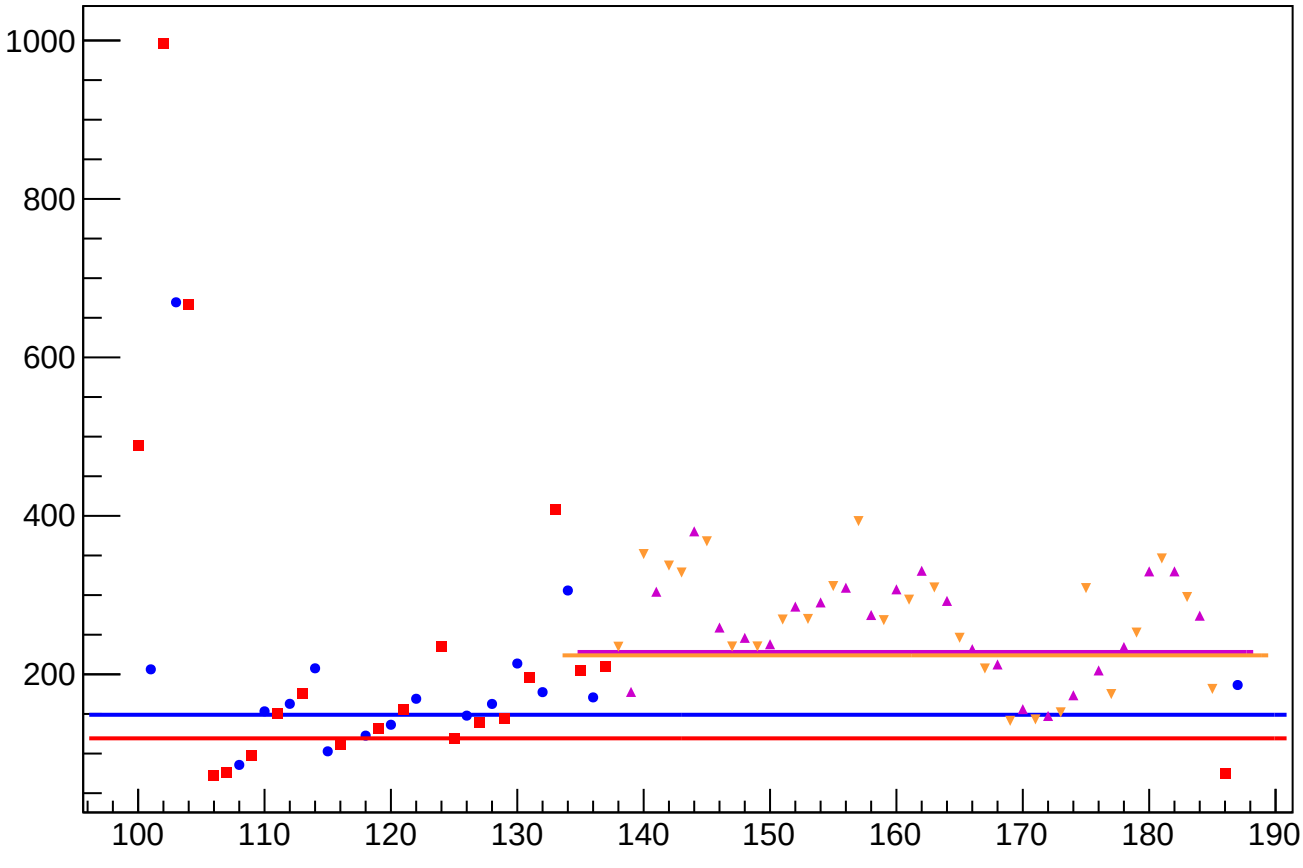
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.005+/-0.038 χ^2/NDF: 36.1/36

In: 0.074+/-0.041 χ^2/NDF:40.5/39

Out: -0.029+/-0.037 χ^2/NDF:48.4/44

All: 0.017+/-0.027 χ^2/NDF: 92.4/84



Right In: 148.949+/-0.042 χ^2/NDF: 1725219.6/16

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 119.203+/-0.035 χ^2/NDF: 3141641.7/19

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

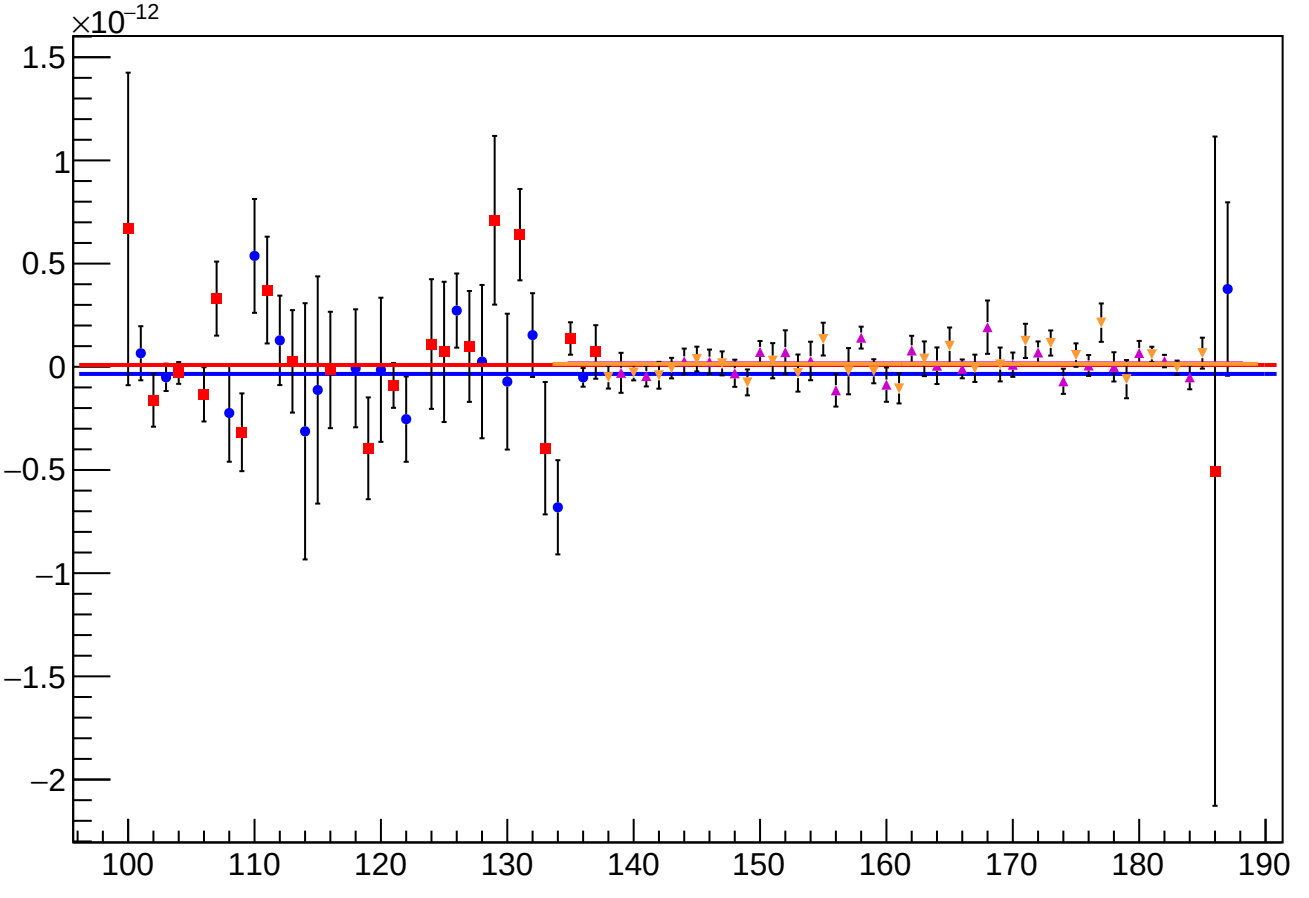
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 131.548+/-0.027 χ^2/NDF: 5159597.7/36

In: 190.491+/-0.029 χ^2/NDF:6076114.0/39

Out: 167.067+/-0.026 χ^2/NDF:10577084.7/44

All: 177.547+/-0.019 χ^2/NDF: 17013603.6/84



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.9/19

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

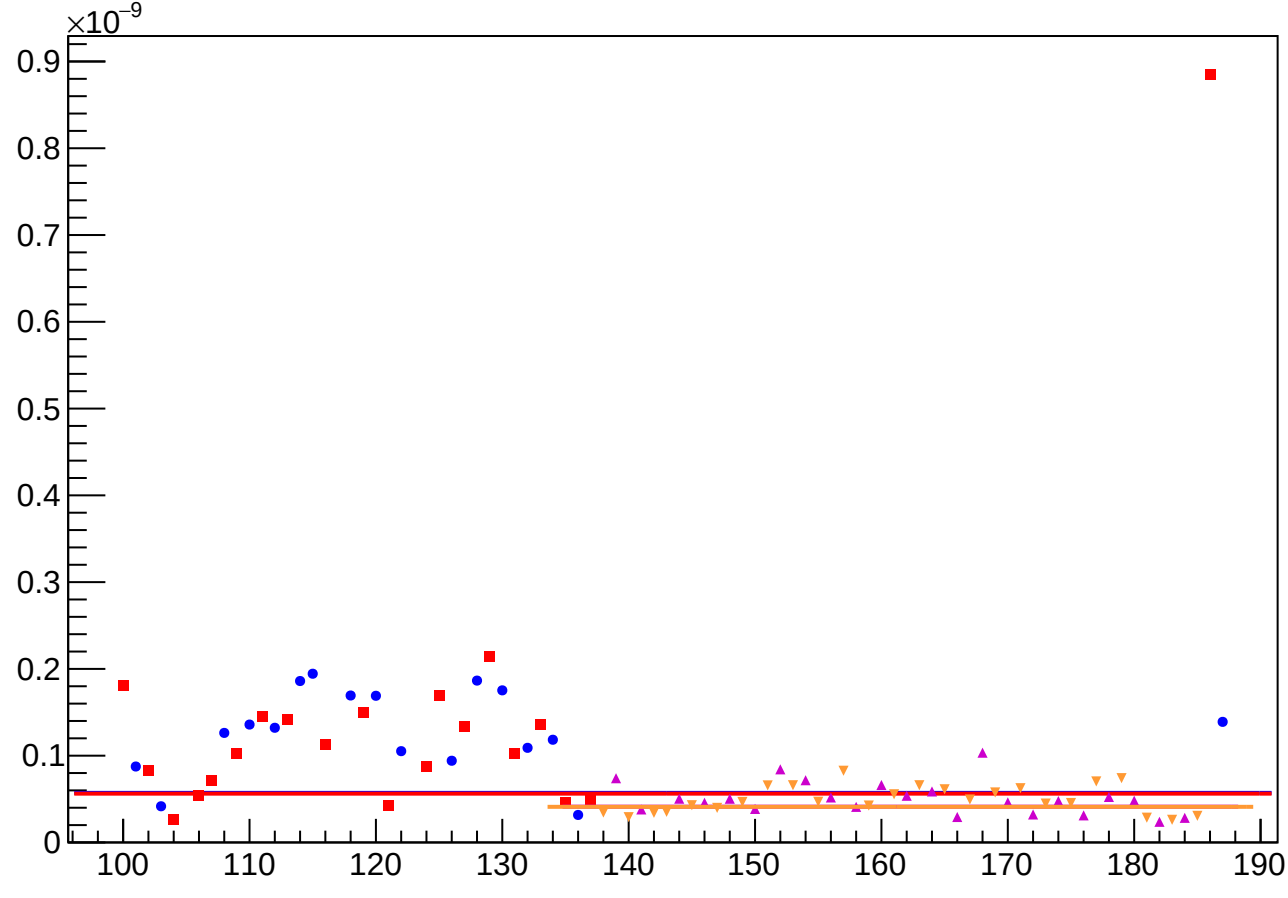
Right: -0.000+/-0.000 χ^2/NDF: 53.2/36

In: 0.000+/-0.000 χ^2/NDF:44.4/39

Out: 0.000+/-0.000 χ^2/NDF:57.2/44

All: 0.000+/-0.000 χ^2/NDF: 101.7/84

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3189562.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3255773.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

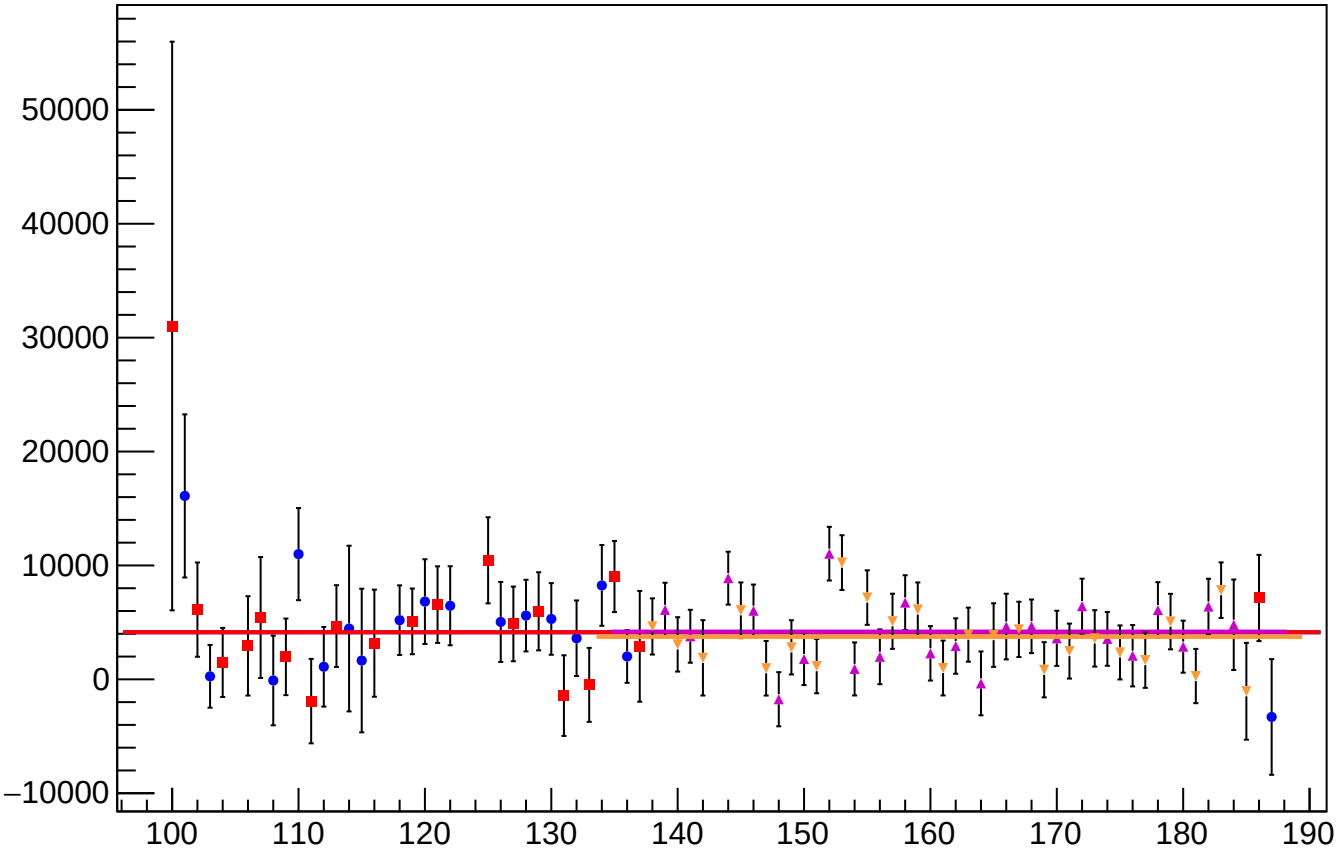
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6446093.3/36

In: 0.000+/-0.000 χ^2/NDF:6470633.7/39

Out: 0.000+/-0.000 χ^2/NDF:6294403.6/44

All: 0.000+/-0.000 χ^2/NDF: 12765852.1/84



Right In: 4133.635+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4131.264+/-849.108 χ^2/NDF: 16.8/18

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

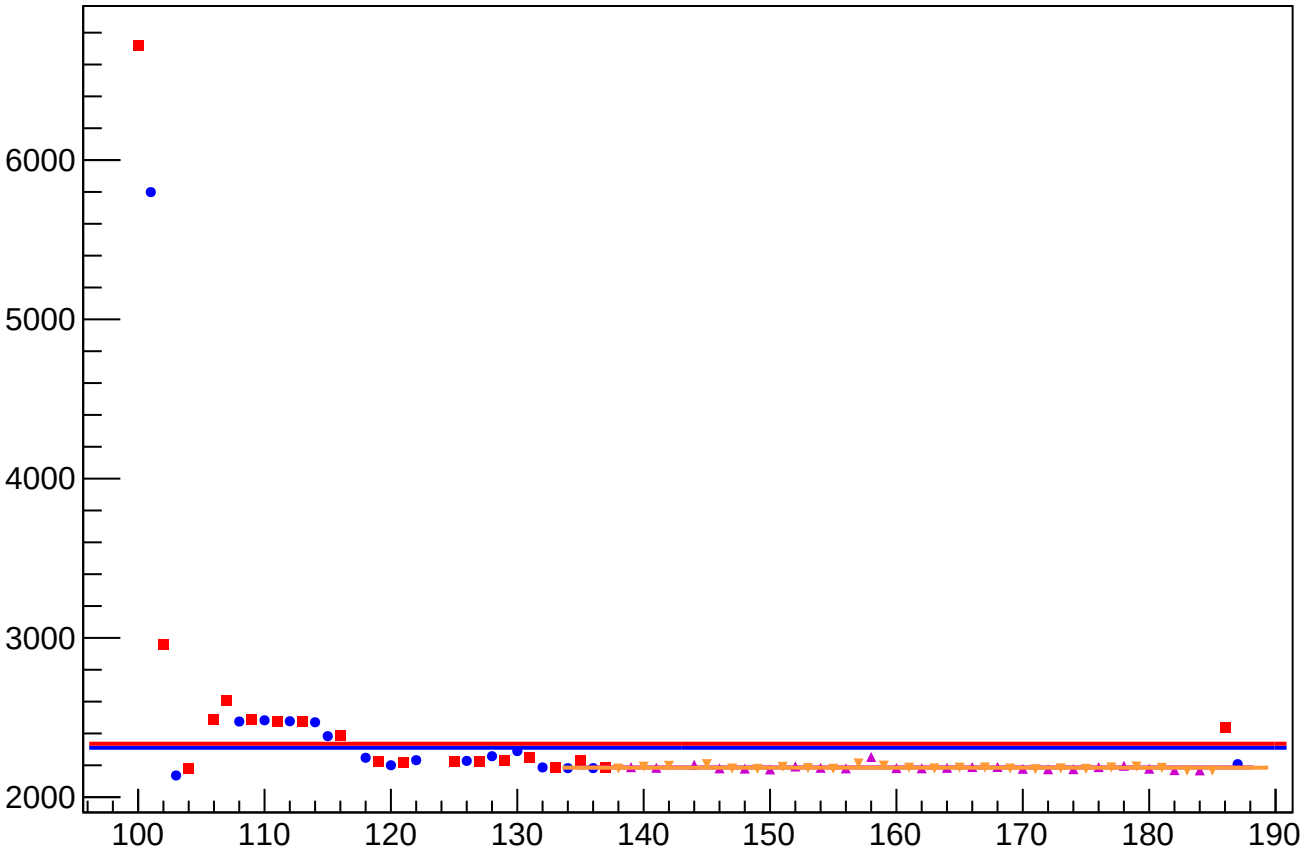
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4132.431+/-605.071 χ^2/NDF: 32.4/35

In: 4179.772+/-439.358 χ^2/NDF:47.7/39

Out: 3830.707+/-435.404 χ^2/NDF:42.4/42

All: 4003.662+/-309.265 χ^2/NDF: 90.4/82



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.0/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2335.497+/-0.600 χ^2/NDF: 152679.8/18

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

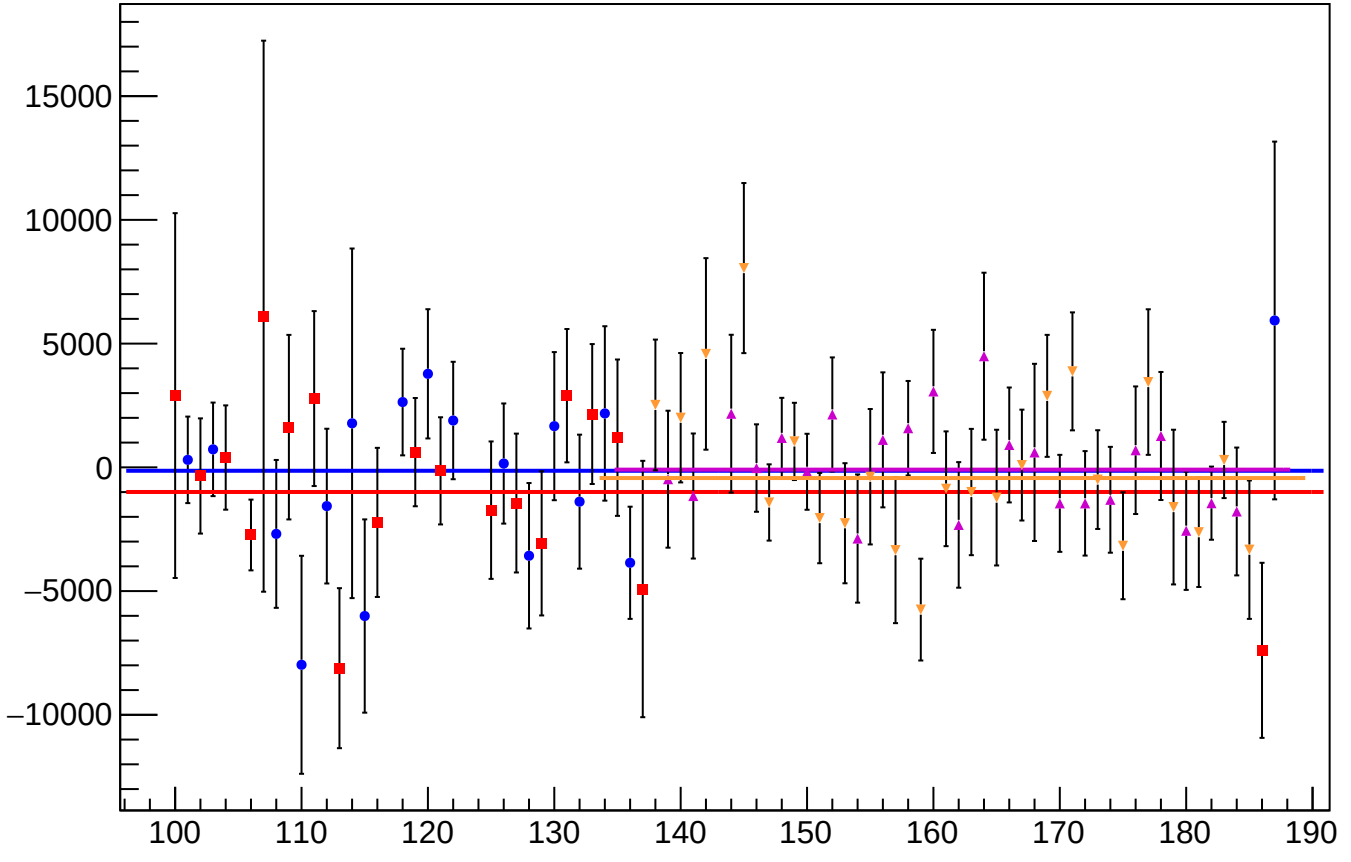
Right: 2323.124+/-0.428 χ^2/NDF: 666759.6/35

In: 2218.825+/-0.311 χ^2/NDF:545704.2/39

Out: 2224.670+/-0.308 χ^2/NDF:199721.9/42

All: 2221.774+/-0.219 χ^2/NDF: 745604.7/82

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -138.273+/-655.620 χ^2/NDF: 17.1/16

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -995.496+/-624.912 χ^2/NDF: 18.3/18

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

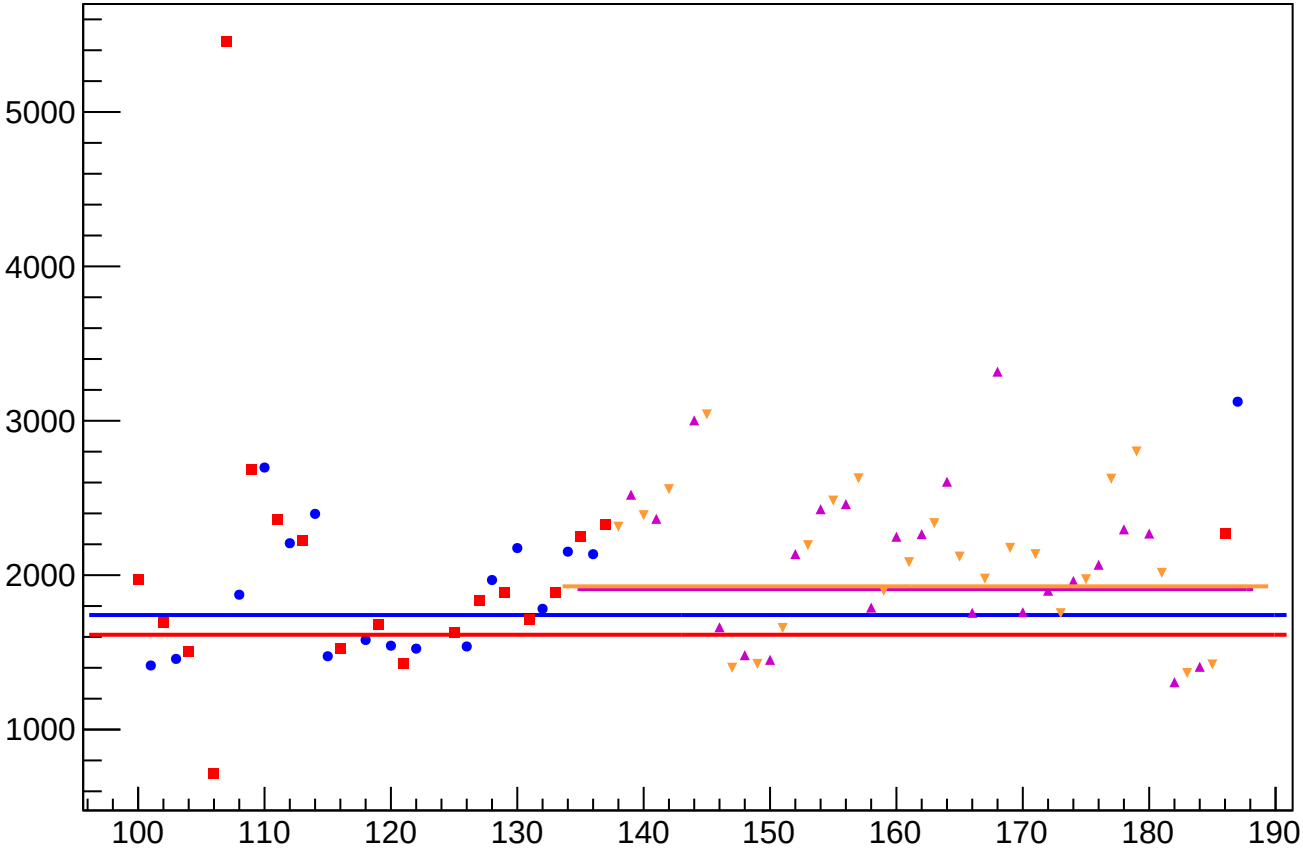
Right: -587.430+/-452.346 χ^2/NDF: 36.3/35

In: -107.729+/-376.925 χ^2/NDF:29.9/39

Out: -631.543+/-371.698 χ^2/NDF:50.1/42

All: -373.294+/-264.659 χ^2/NDF: 81.0/82

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1741.752+/-0.464 χ^2/NDF: 552648.6/16

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1614.014+/-0.442 χ^2/NDF: 1627568.5/18

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

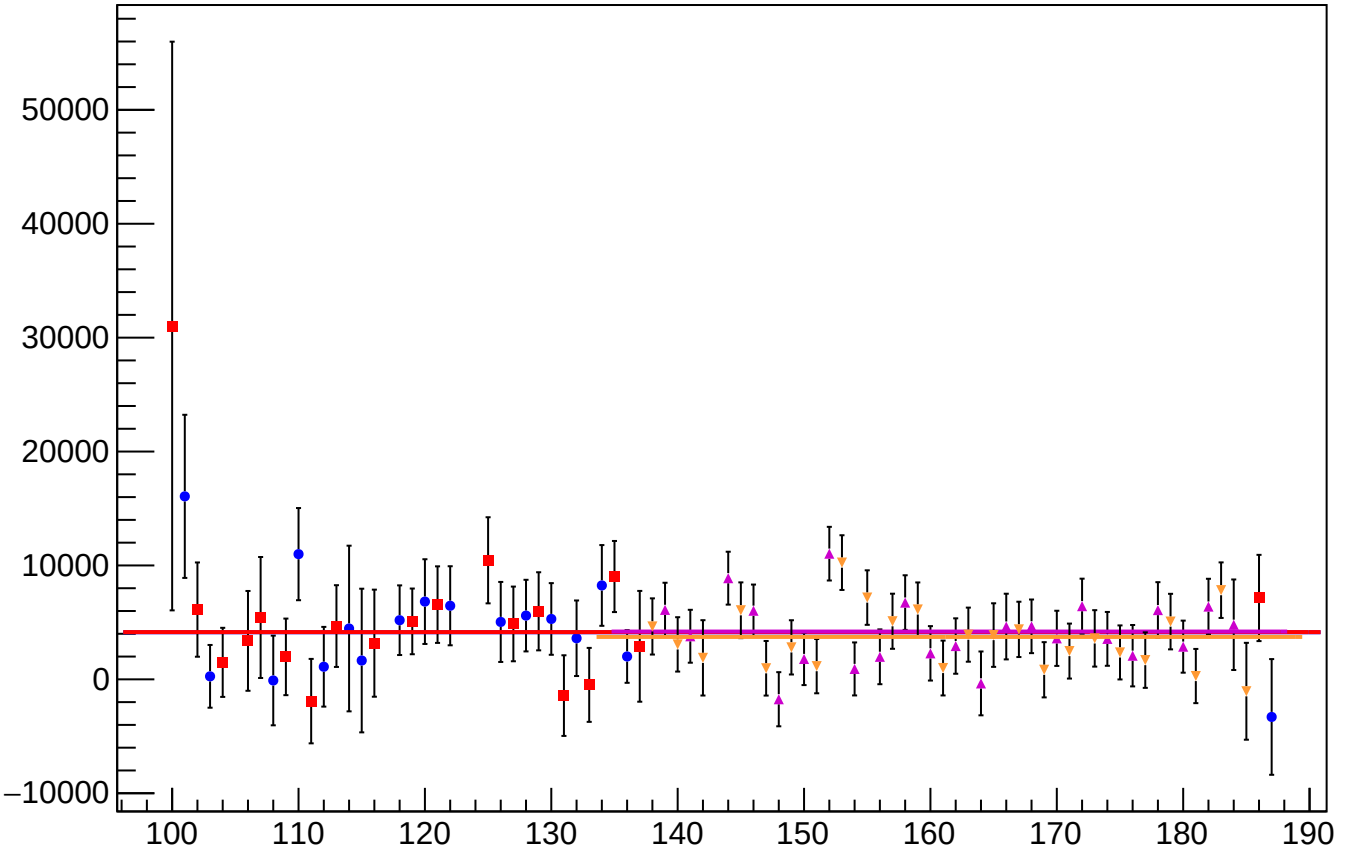
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1674.822+/-0.320 χ^2/NDF: 2219998.2/35

In: 1854.130+/-0.267 χ^2/NDF:2582684.8/39

Out: 1816.696+/-0.263 χ^2/NDF:3751525.6/42

All: 1835.152+/-0.187 χ^2/NDF: 6344211.5/82



Right In: 4132.981+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4148.582+/-849.248 χ^2/NDF: 16.8/18

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

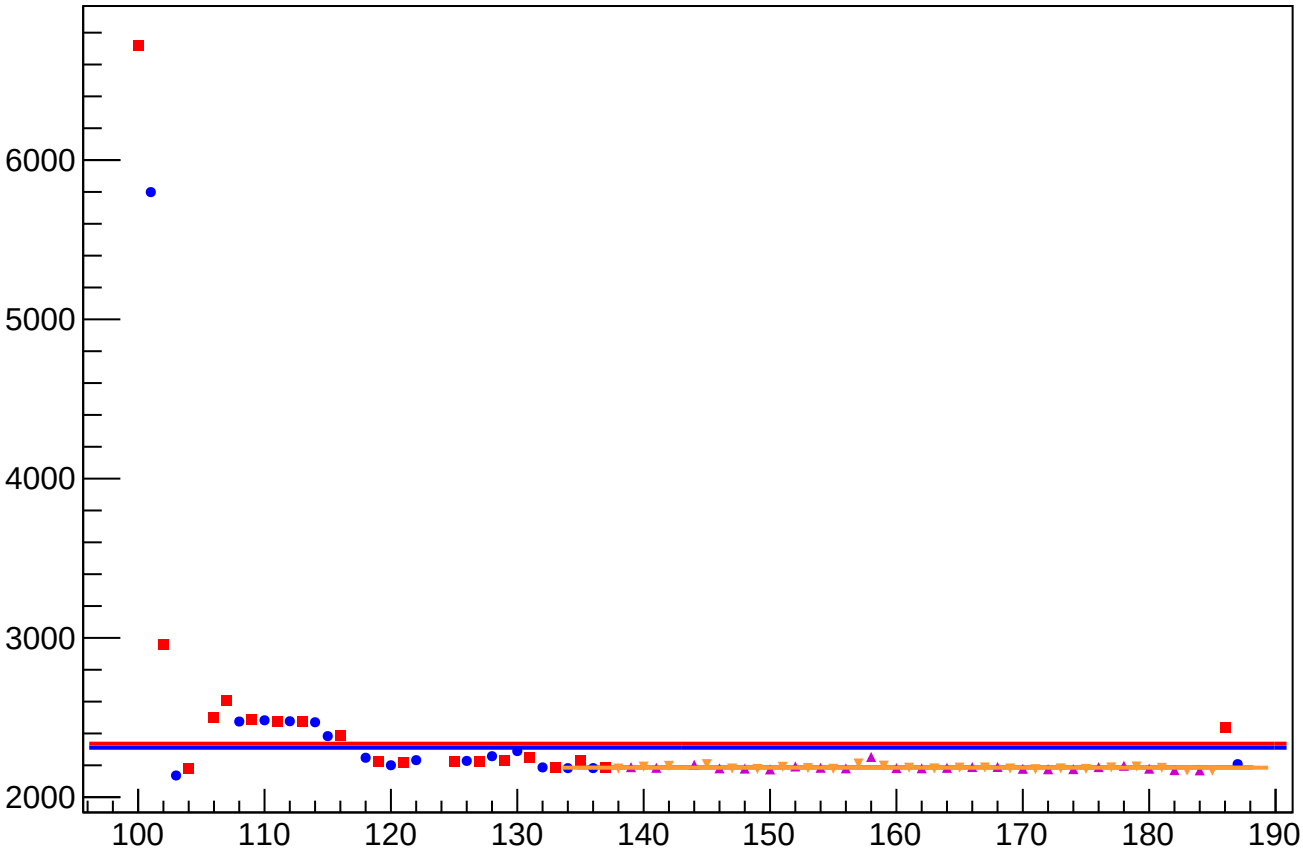
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4140.901+/-605.122 χ^2/NDF: 32.3/35

In: 4179.690+/-439.358 χ^2/NDF:47.7/39

Out: 3835.195+/-435.422 χ^2/NDF:42.4/42

All: 4005.892+/-309.272 χ^2/NDF: 90.4/82



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.5/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2335.849+/-0.601 χ^2/NDF: 153015.5/18

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

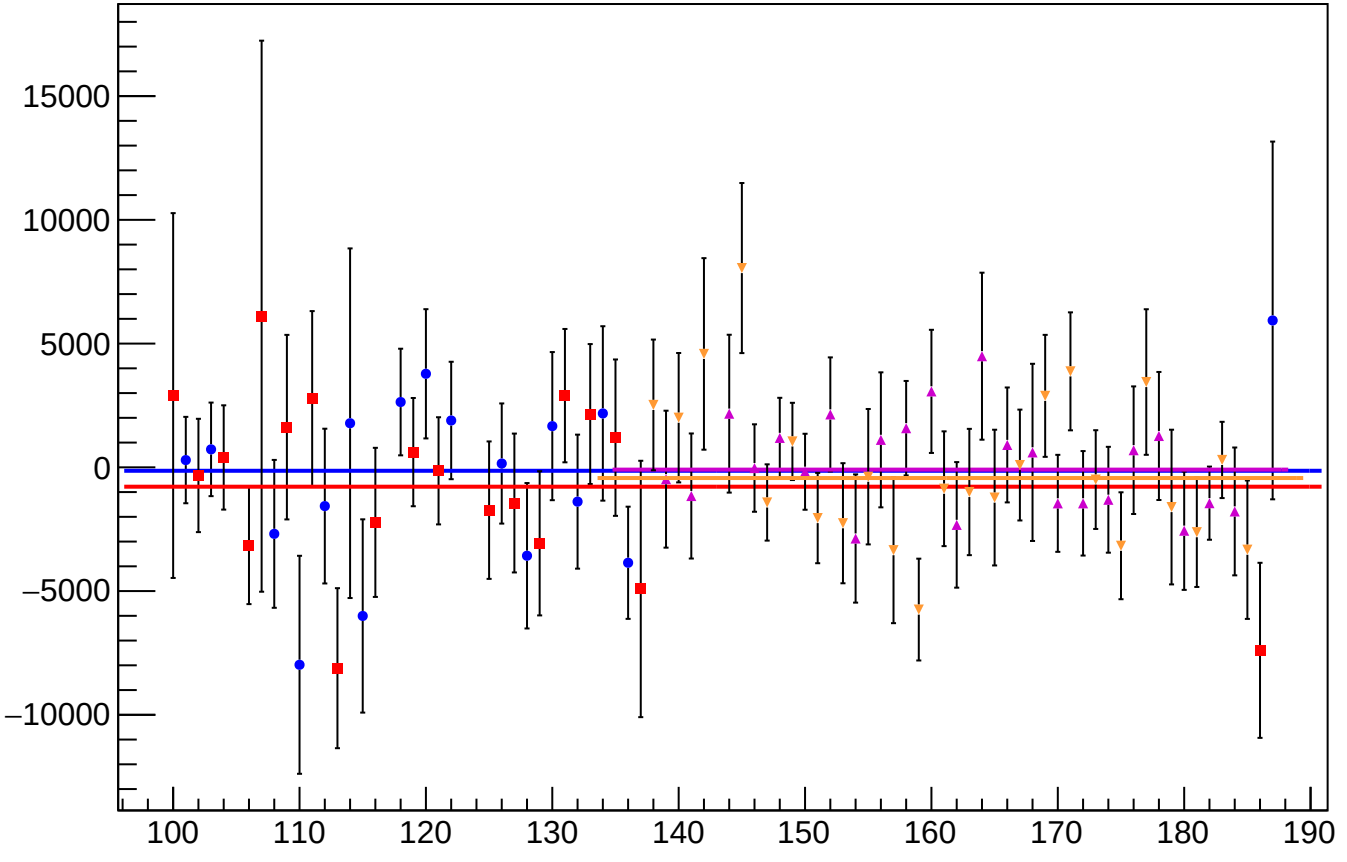
Right: 2323.301+/-0.428 χ^2/NDF: 667120.1/35

In: 2218.825+/-0.311 χ^2/NDF:545704.6/39

Out: 2224.753+/-0.308 χ^2/NDF:200263.5/42

All: 2221.816+/-0.219 χ^2/NDF: 746151.8/82

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -139.387+/-655.493 χ^2/NDF: 17.1/16

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -782.632+/-666.080 χ^2/NDF: 17.5/18

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

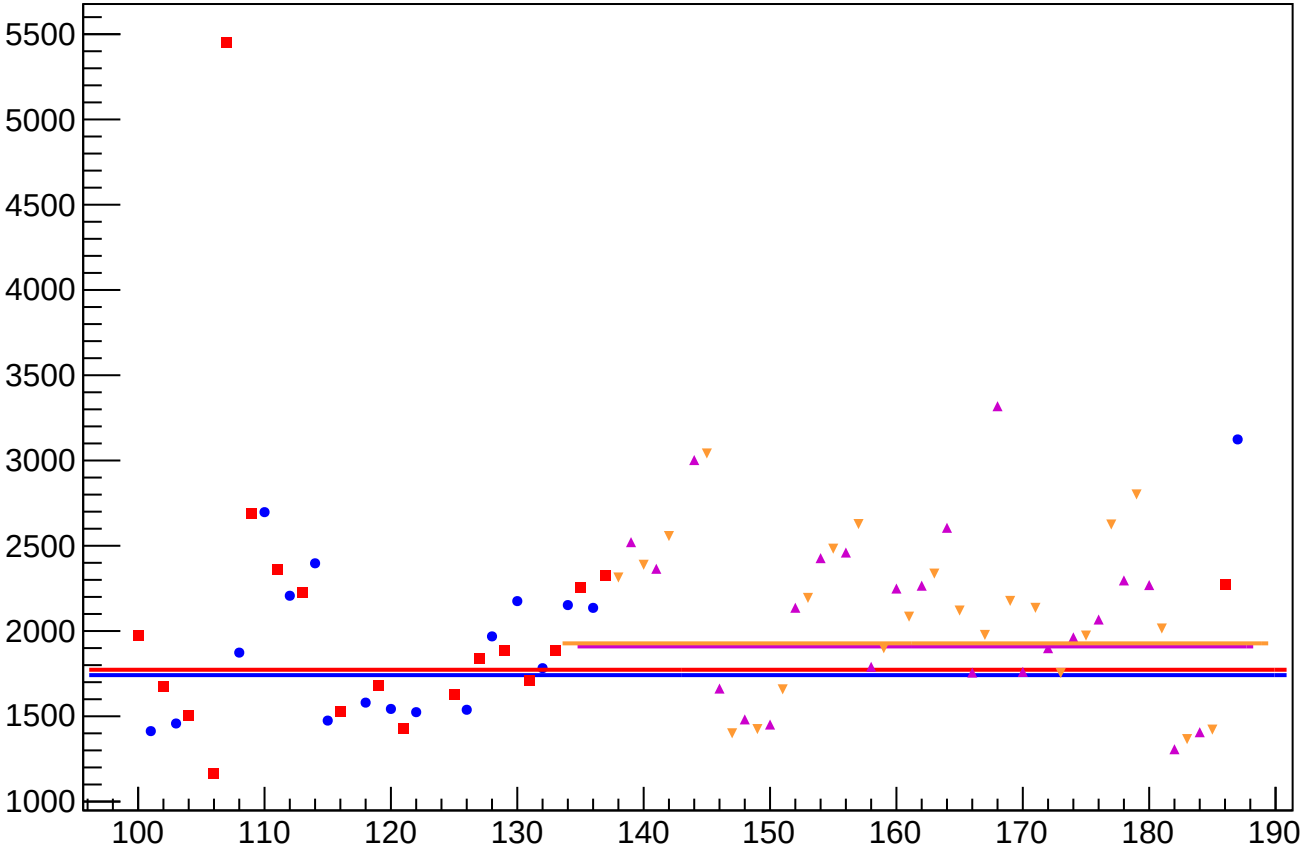
Right: -455.857+/-467.201 χ^2/NDF: 35.1/35

In: -108.071+/-376.902 χ^2/NDF:29.9/39

Out: -546.237+/-379.833 χ^2/NDF:49.0/42

All: -325.457+/-267.540 χ^2/NDF: 79.6/82

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1741.362+/-0.464 χ^2/NDF: 553657.4/16

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1772.865+/-0.471 χ^2/NDF: 792241.0/18

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

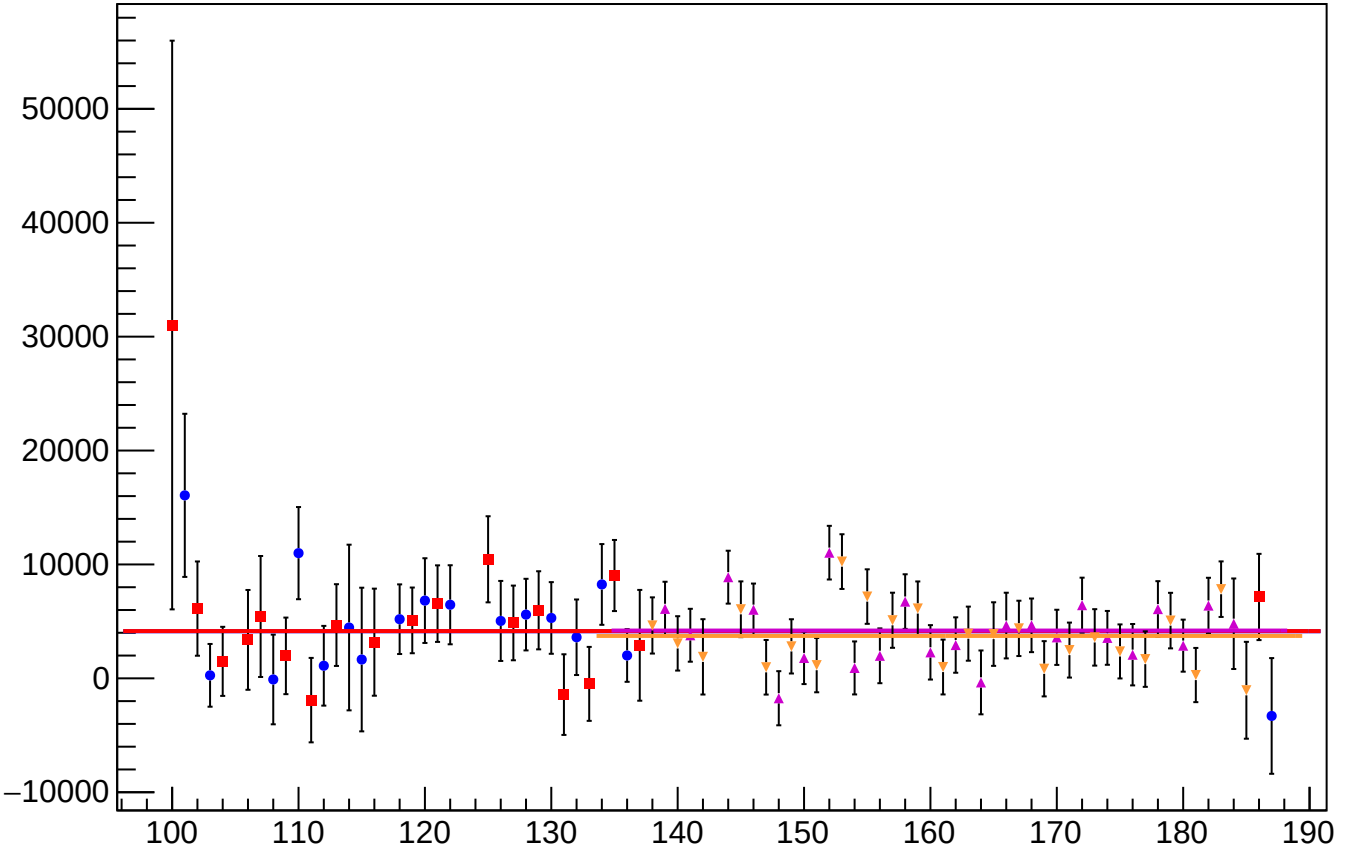
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1756.861+/-0.330 χ^2/NDF: 1348171.1/35

In: 1853.990+/-0.267 χ^2/NDF:2584153.0/39

Out: 1877.322+/-0.269 χ^2/NDF:2663538.3/42

All: 1865.566+/-0.189 χ^2/NDF: 5251493.8/82



Right In: 4132.981+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4148.582+/-849.248 χ^2/NDF: 16.8/18

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

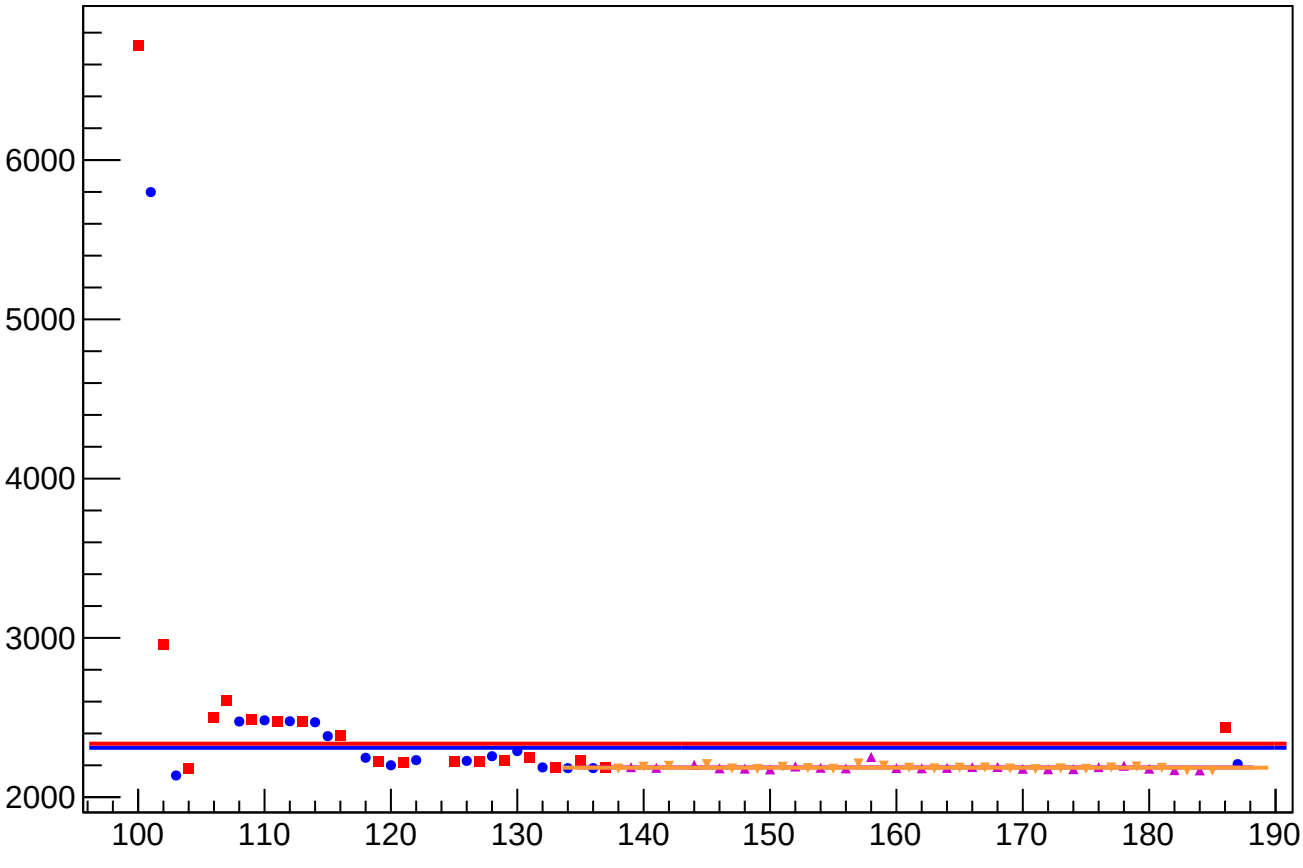
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4140.901+/-605.122 χ^2/NDF: 32.3/35

In: 4179.690+/-439.358 χ^2/NDF:47.7/39

Out: 3835.195+/-435.422 χ^2/NDF:42.4/42

All: 4005.892+/-309.272 χ^2/NDF: 90.4/82



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.5/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2335.849+/-0.601 χ^2/NDF: 153015.5/18

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

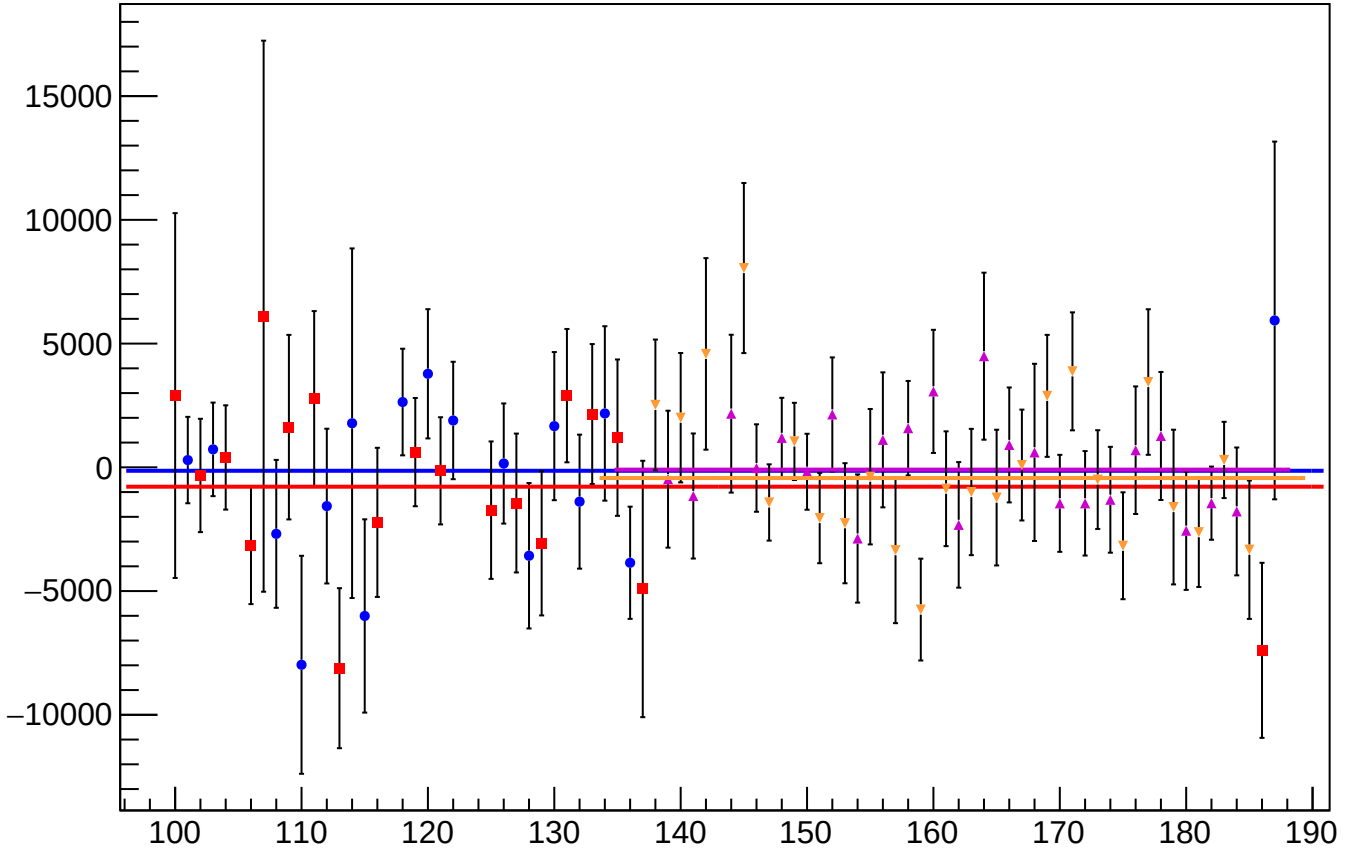
Right: 2323.301+/-0.428 χ^2/NDF: 667120.1/35

In: 2218.825+/-0.311 χ^2/NDF:545704.6/39

Out: 2224.753+/-0.308 χ^2/NDF:200263.5/42

All: 2221.816+/-0.219 χ^2/NDF: 746151.8/82

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -139.387+/-655.493 χ^2/NDF: 17.1/16

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -782.632+/-666.080 χ^2/NDF: 17.5/18

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

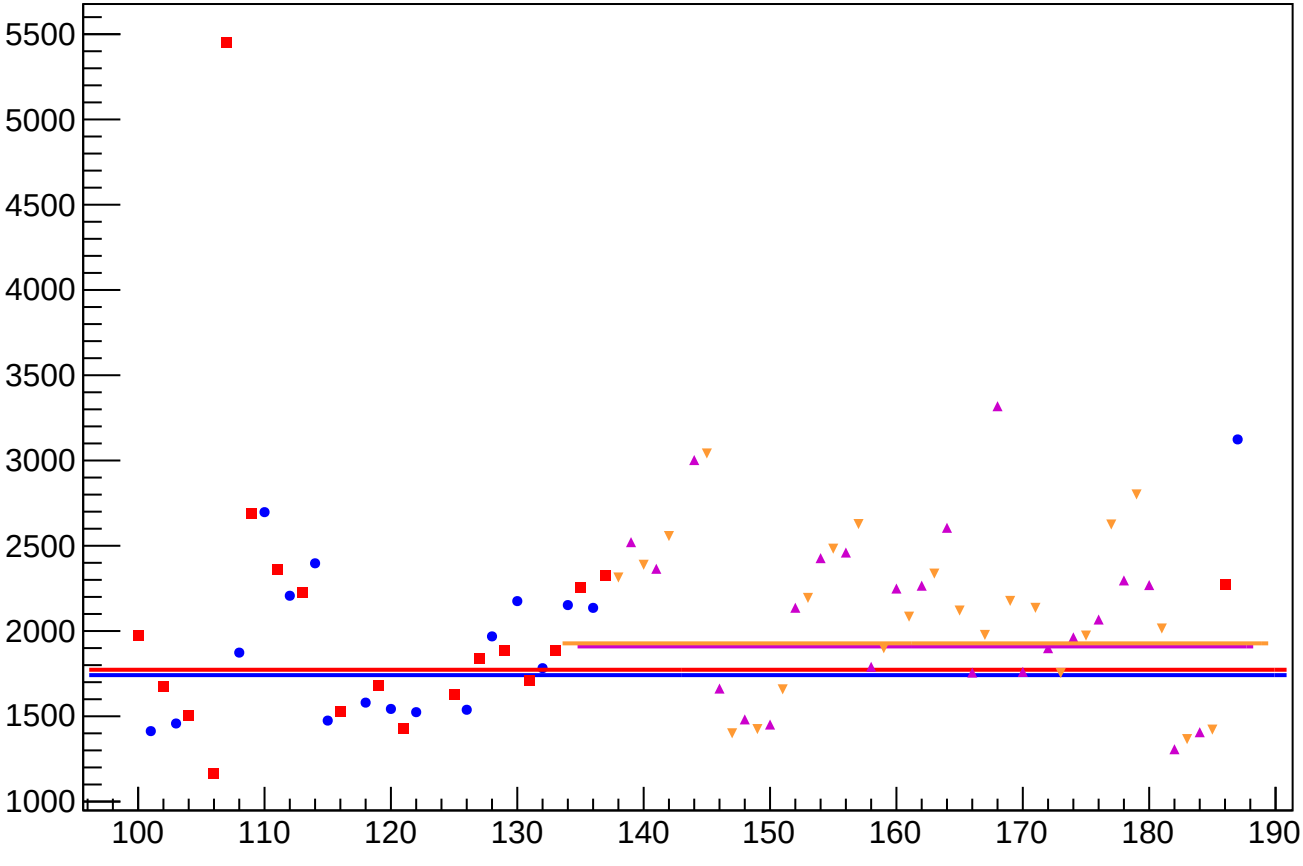
Right: -455.857+/-467.201 χ^2/NDF: 35.1/35

In: -108.071+/-376.902 χ^2/NDF:29.9/39

Out: -546.237+/-379.833 χ^2/NDF:49.0/42

All: -325.457+/-267.540 χ^2/NDF: 79.6/82

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1741.362+/-0.464 χ^2/NDF: 553657.4/16

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1772.865+/-0.471 χ^2/NDF: 792241.0/18

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

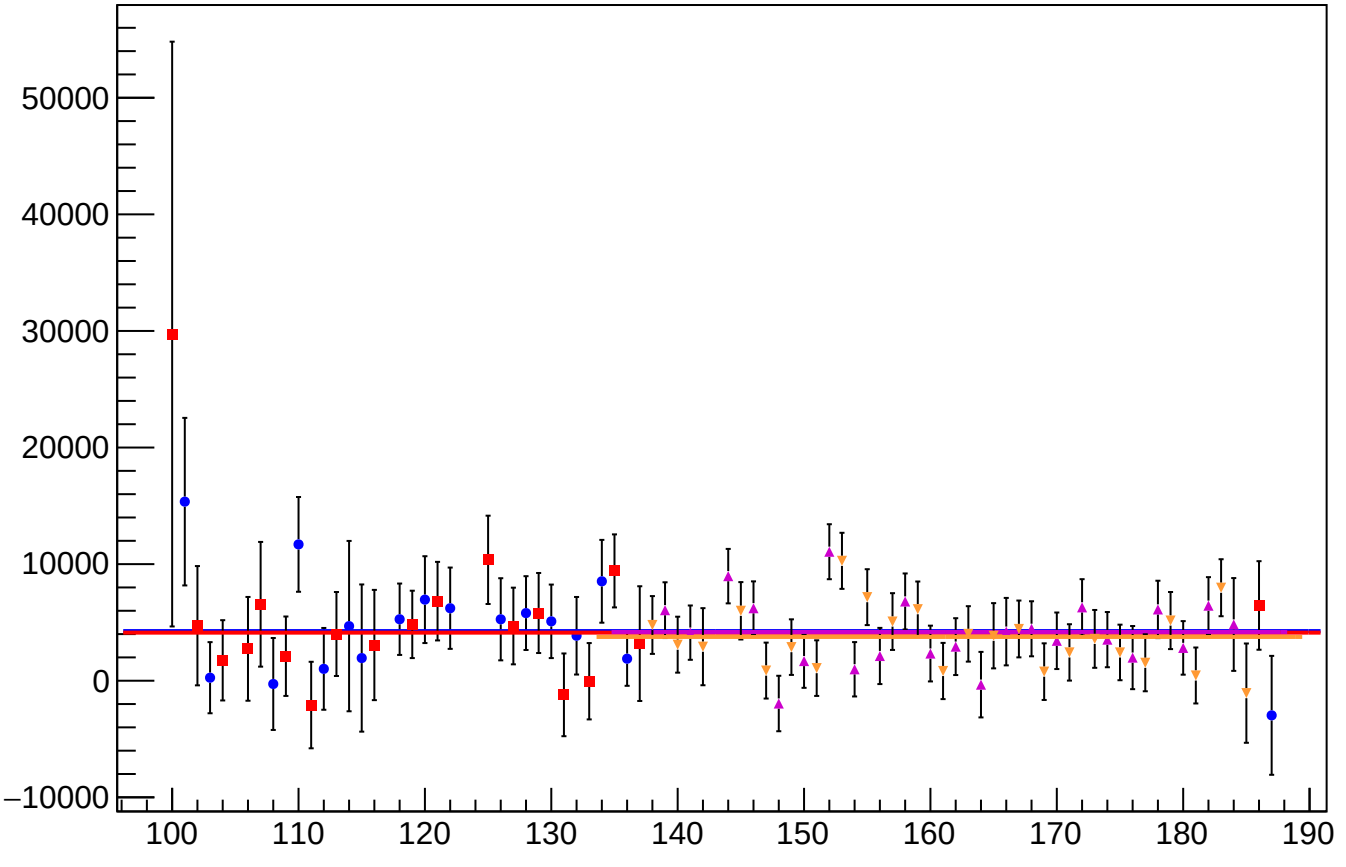
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1756.861+/-0.330 χ^2/NDF: 1348171.1/35

In: 1853.990+/-0.267 χ^2/NDF:2584153.0/39

Out: 1877.322+/-0.269 χ^2/NDF:2663538.3/42

All: 1865.566+/-0.189 χ^2/NDF: 5251493.8/82



Right In: 4258.296+/-873.009 χ^2/NDF: 15.6/16

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4123.975+/-866.932 χ^2/NDF: 15.9/18

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

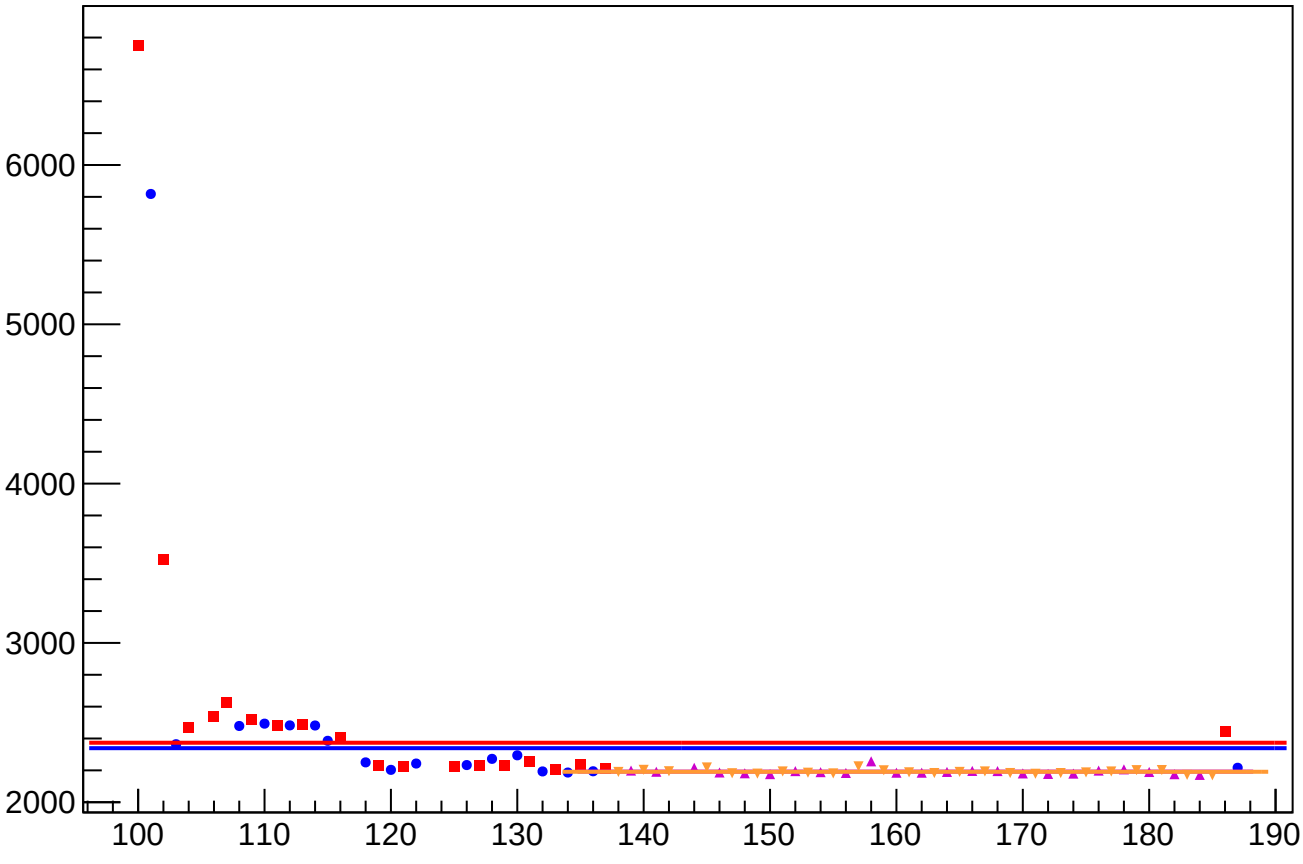
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4190.666+/-615.151 χ^2/NDF: 31.5/35

In: 4203.166+/-441.562 χ^2/NDF:48.3/39

Out: 3848.772+/-438.660 χ^2/NDF:41.7/42

All: 4024.801+/-311.200 χ^2/NDF: 90.3/82



Right In: 2339.202+/-0.617 χ^2/NDF: 504064.1/16

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2373.407+/-0.613 χ^2/NDF: 210859.4/18

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

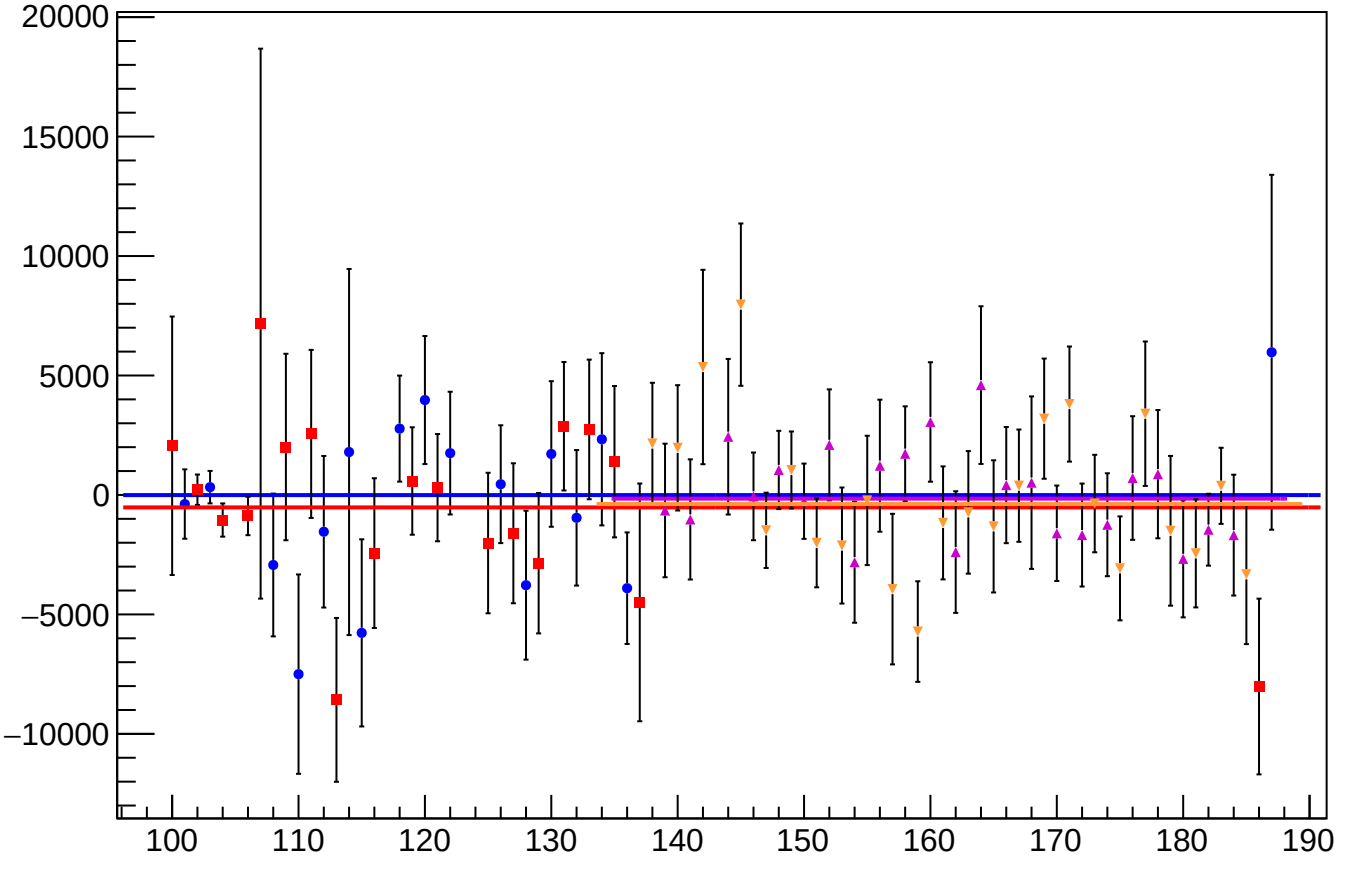
Right: 2356.424+/-0.435 χ^2/NDF: 716469.3/35

In: 2229.808+/-0.312 χ^2/NDF:548545.5/39

Out: 2237.810+/-0.310 χ^2/NDF:277854.6/42

All: 2233.835+/-0.220 χ^2/NDF: 826730.7/82

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -5.870+/-484.296 χ^2/NDF: 17.0/16

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -521.134+/-360.821 χ^2/NDF: 19.3/18

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

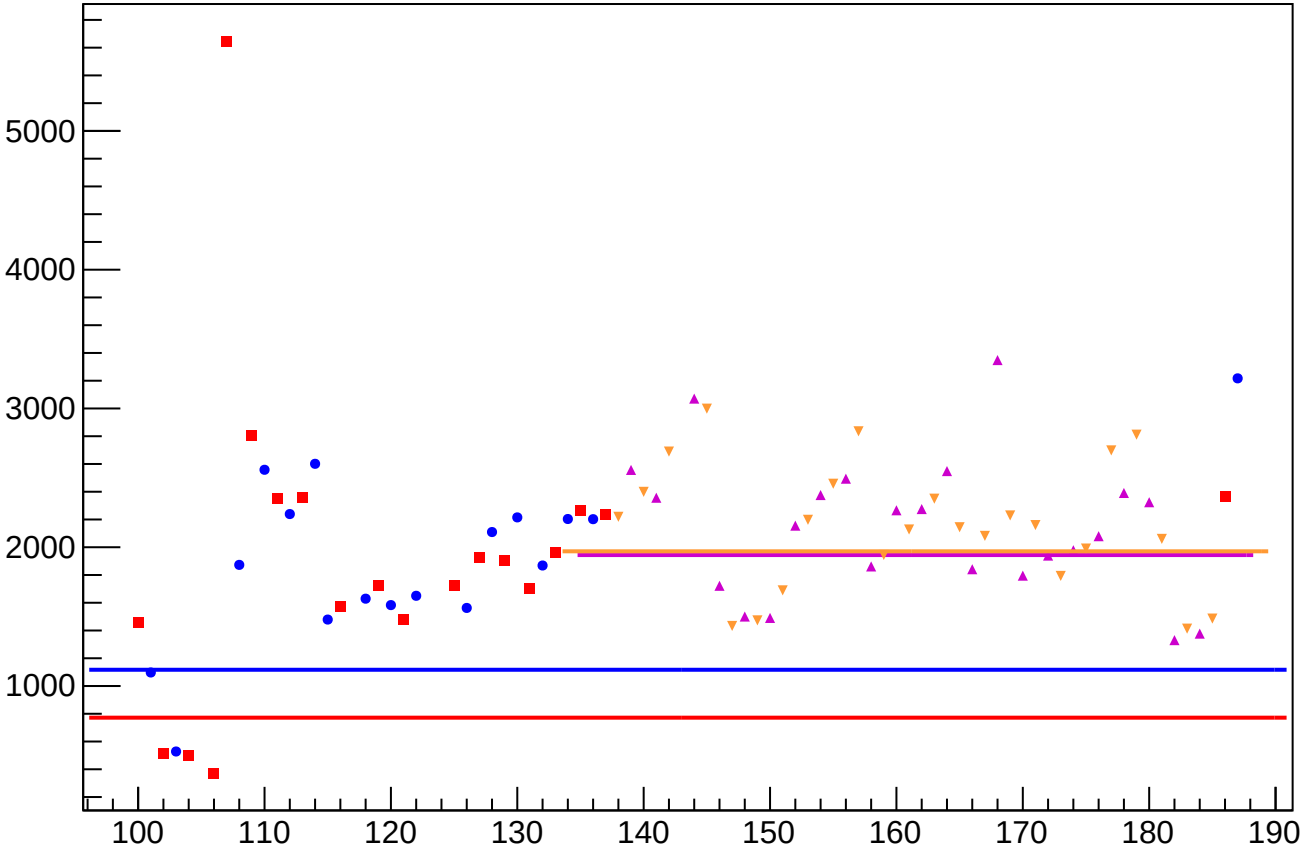
Right: -337.211+/-289.344 χ^2/NDF: 37.0/35

In: -82.734+/-336.539 χ^2/NDF:29.8/39

Out: -469.186+/-286.540 χ^2/NDF:50.1/42

All: -306.773+/-218.172 χ^2/NDF: 80.7/82

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1117.104+/-0.342 χ^2/NDF: 3907015.6/16

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 771.877+/-0.255 χ^2/NDF: 5980841.7/18

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

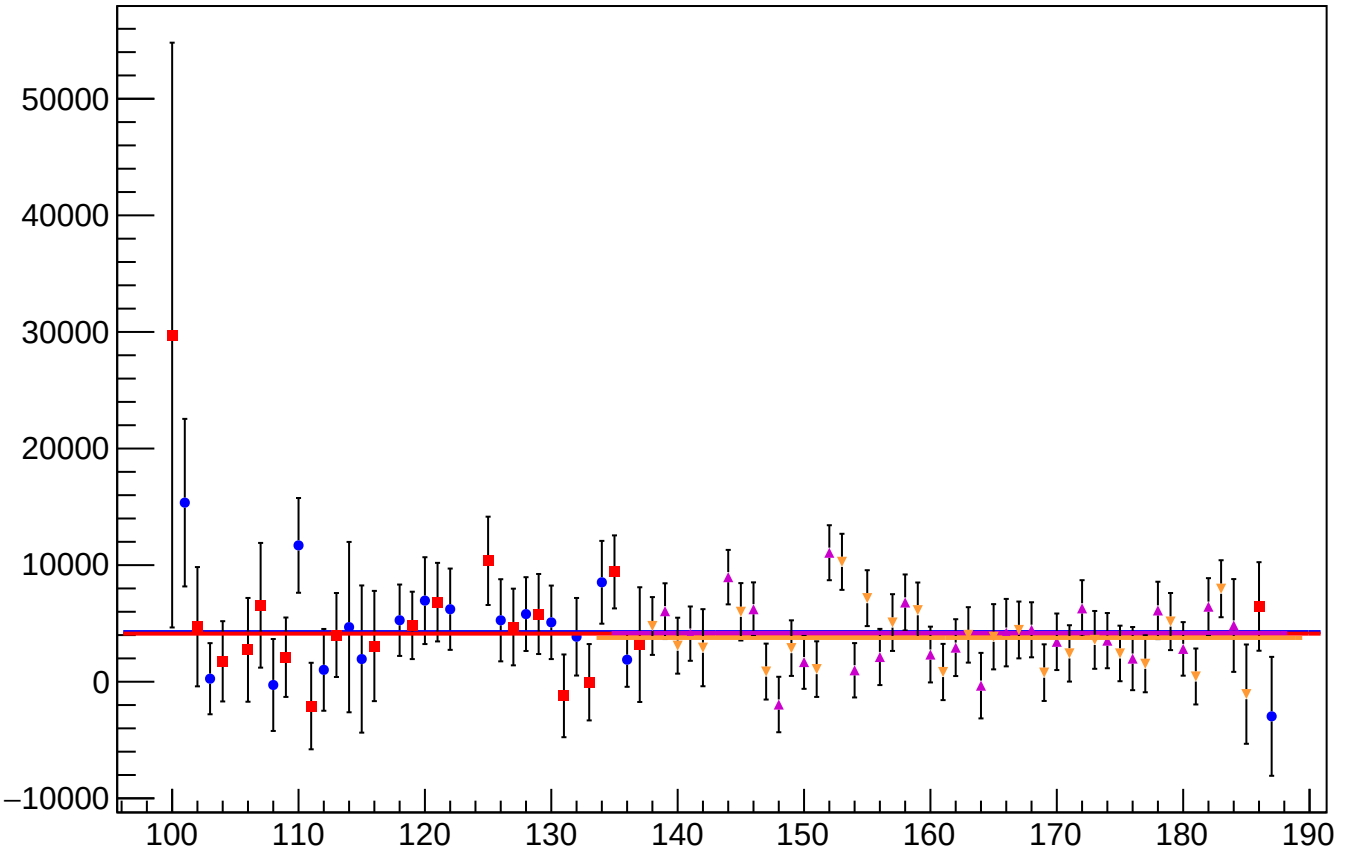
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 895.106+/-0.205 χ^2/NDF: 10541384.8/35

In: 1544.506+/-0.238 χ^2/NDF:8802260.3/39

Out: 1214.649+/-0.203 χ^2/NDF:15831415.0/42

All: 1353.277+/-0.154 χ^2/NDF: 25747553.8/8



Right In: 4258.292+/-873.009 χ^2/NDF: 15.6/16

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4123.970+/-866.932 χ^2/NDF: 15.9/18

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

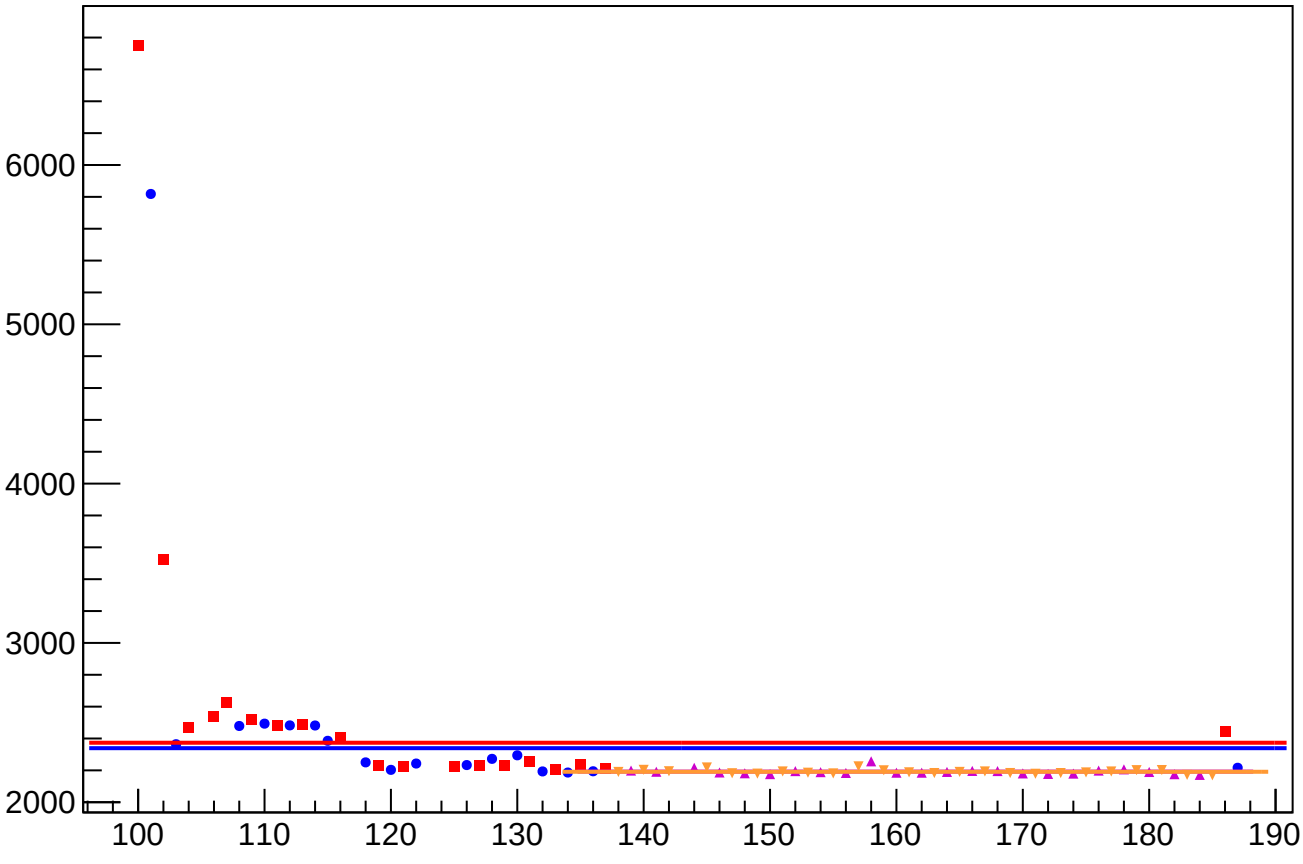
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4190.662+/-615.151 χ^2/NDF: 31.5/35

In: 4203.165+/-441.562 χ^2/NDF:48.3/39

Out: 3848.770+/-438.660 χ^2/NDF:41.7/42

All: 4024.799+/-311.200 χ^2/NDF: 90.3/82



Right In: 2339.202+/-0.617 χ^2/NDF: 504064.1/16

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2373.406+/-0.613 χ^2/NDF: 210858.3/18

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

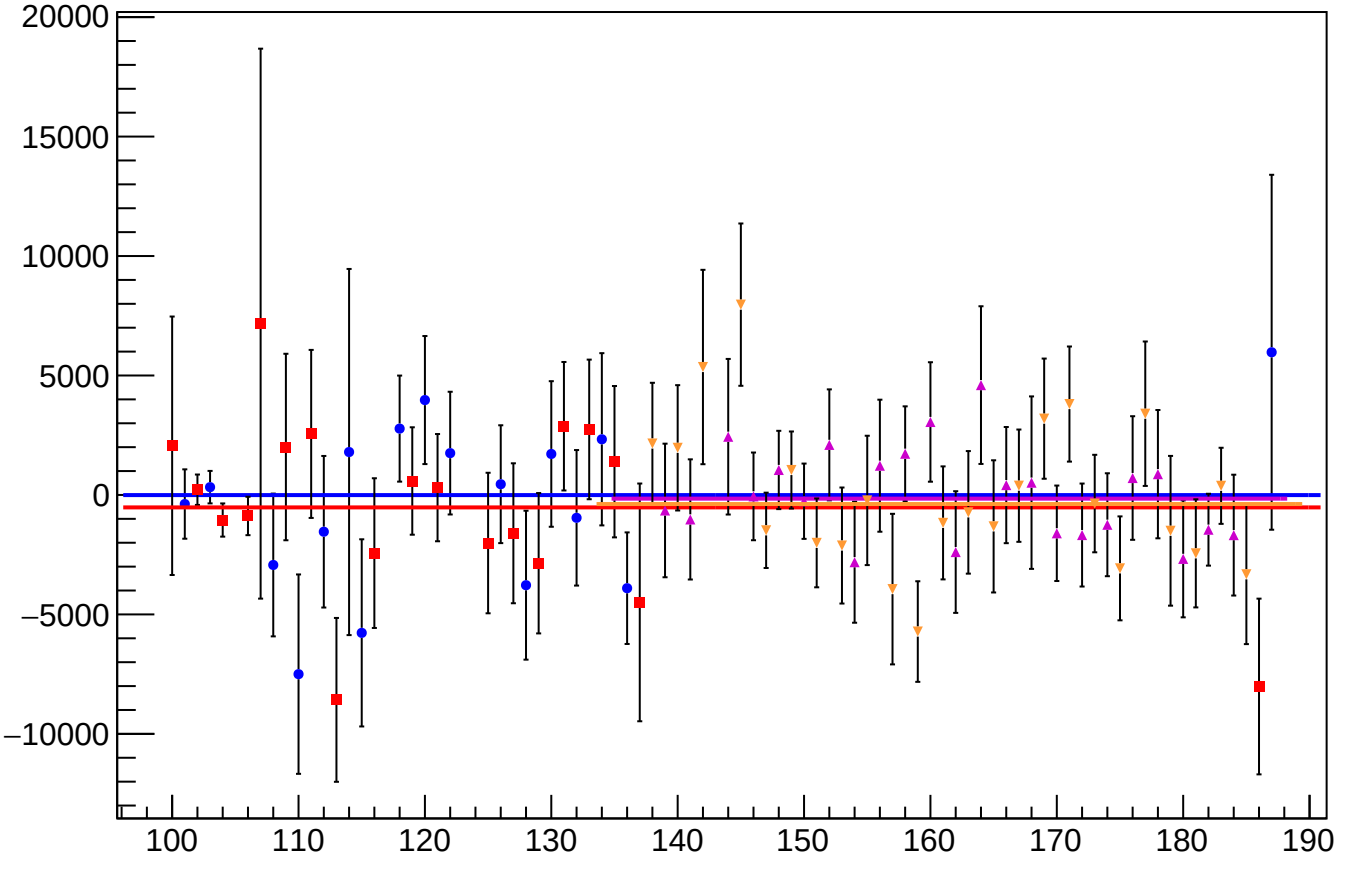
Right: 2356.424+/-0.435 χ^2/NDF: 716468.3/35

In: 2229.808+/-0.312 χ^2/NDF:548545.3/39

Out: 2237.810+/-0.310 χ^2/NDF:277853.1/42

All: 2233.835+/-0.220 χ^2/NDF: 826729.0/82

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -5.876+/-484.298 χ^2/NDF: 17.0/16

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -521.139+/-360.825 χ^2/NDF: 19.3/18

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

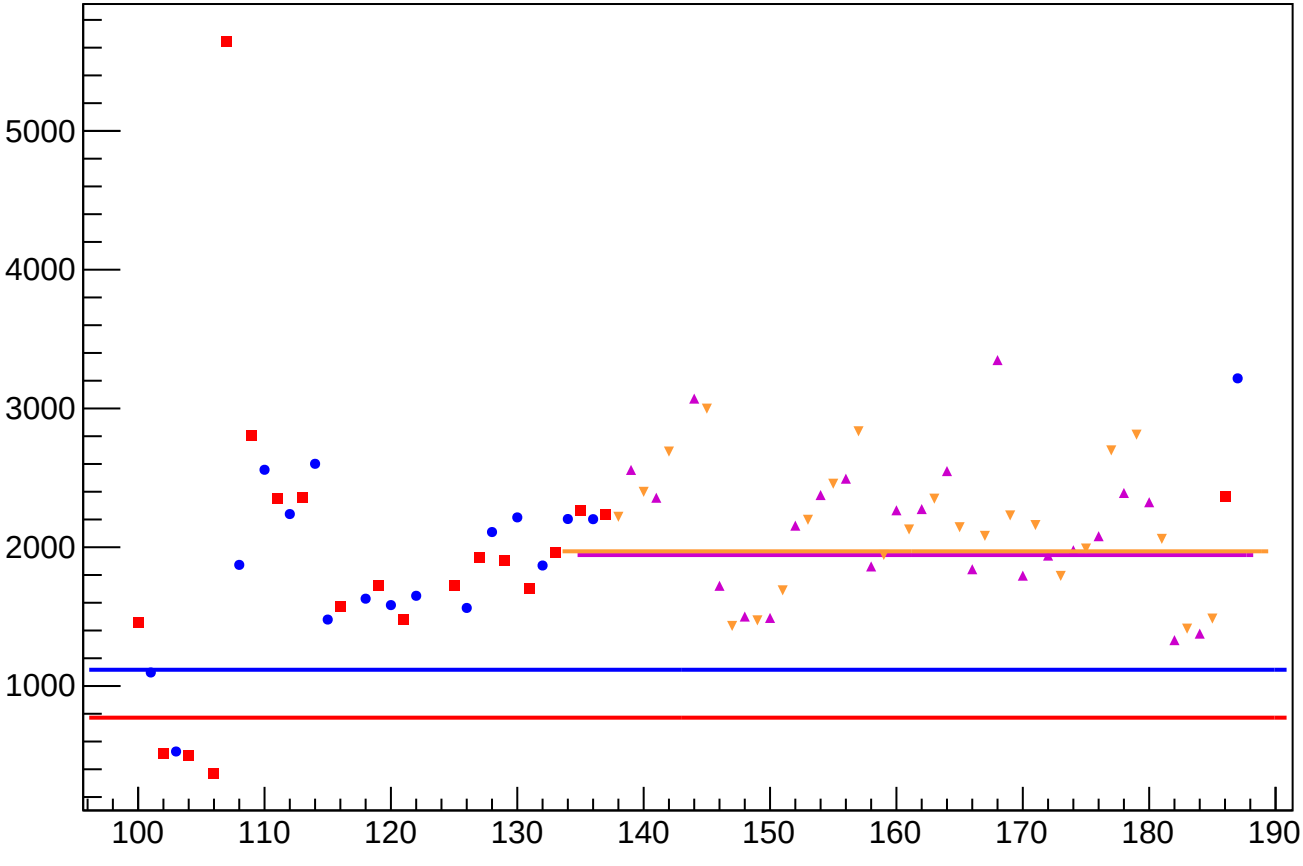
Right: -337.215+/-289.347 χ^2/NDF: 37.0/35

In: -82.737+/-336.541 χ^2/NDF:29.8/39

Out: -469.190+/-286.542 χ^2/NDF:50.1/42

All: -306.775+/-218.173 χ^2/NDF: 80.7/82

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1117.114+/-0.342 χ^2/NDF: 3906939.3/16

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 771.893+/-0.255 χ^2/NDF: 5980717.8/18

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

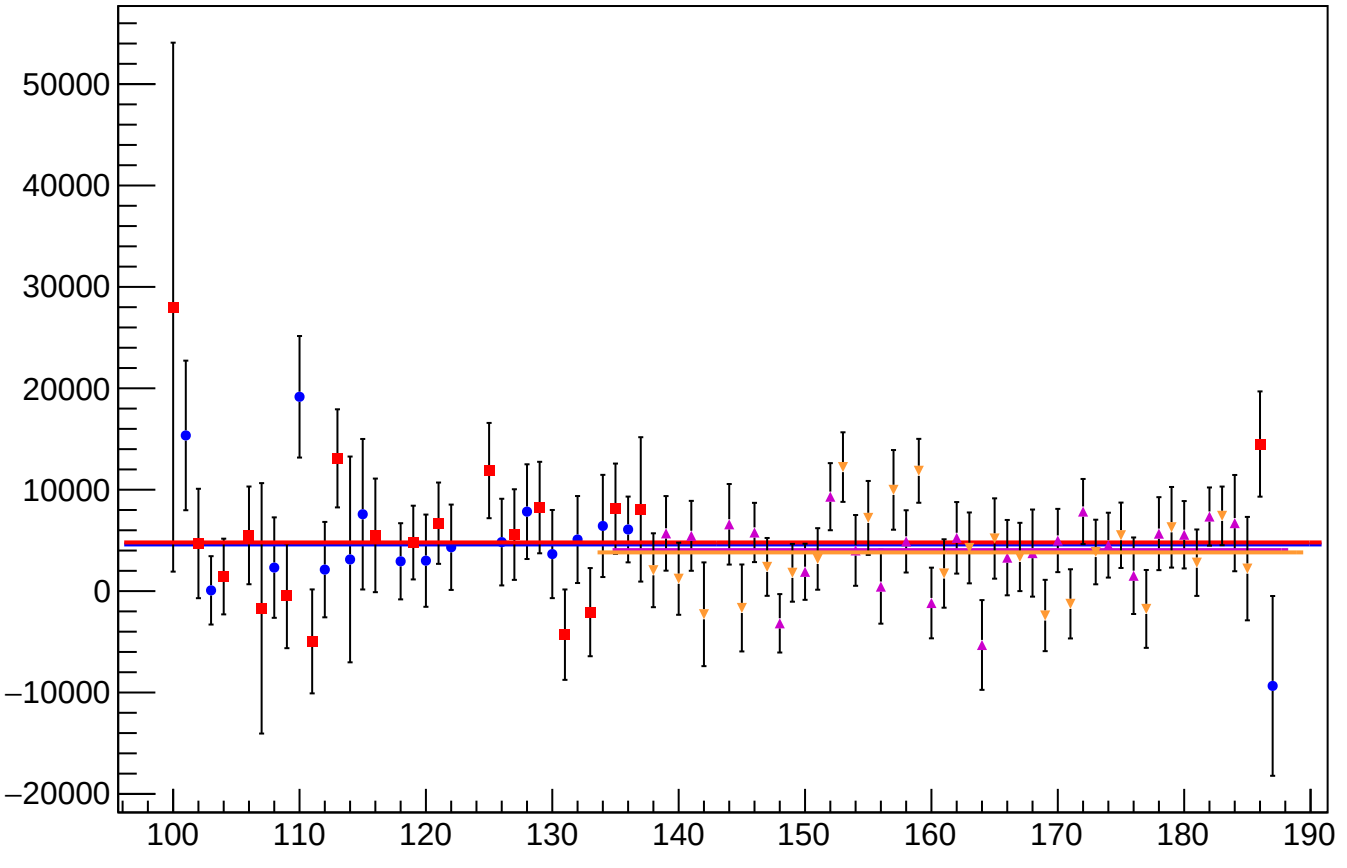
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 895.120+/-0.205 χ^2/NDF: 10541153.6/35

In: 1544.514+/-0.238 χ^2/NDF:8802114.4/39

Out: 1214.666+/-0.203 χ^2/NDF:15831033.7/42

All: 1353.292+/-0.154 χ^2/NDF: 25746952.0/8



Right In: 4602.082+/-1133.162 χ^2/NDF: 14.2/16

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 4800.423+/-1117.691 χ^2/NDF: 23.6/18

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

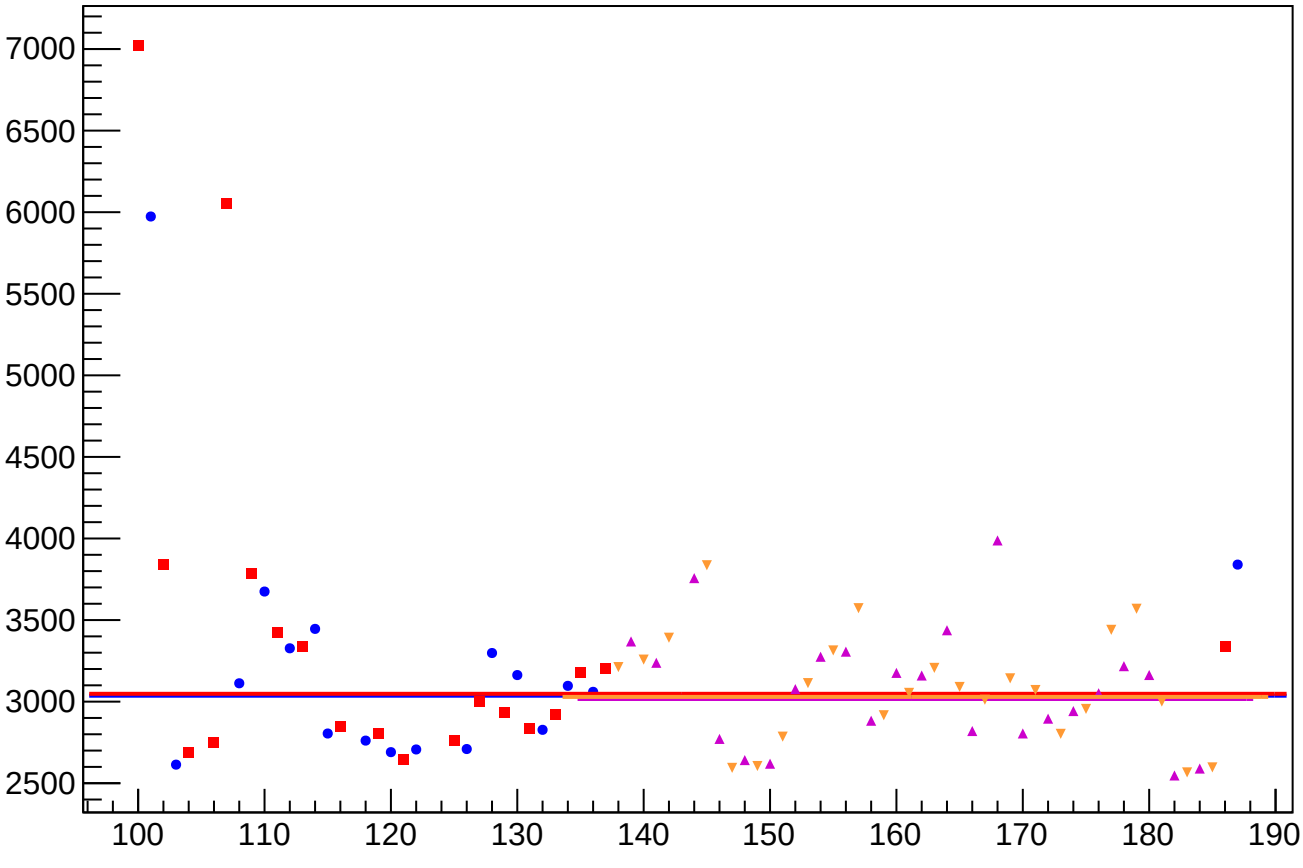
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4702.616+/-795.740 χ^2/NDF: 37.8/35

In: 4200.060+/-601.395 χ^2/NDF:36.9/39

Out: 4099.382+/-598.289 χ^2/NDF:55.0/42

All: 4149.460+/-424.148 χ^2/NDF: 91.9/82



Right In: 3036.416+/-0.801 χ^2/NDF: 460411.0/16

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3047.975+/-0.790 χ^2/NDF: 349226.7/18

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

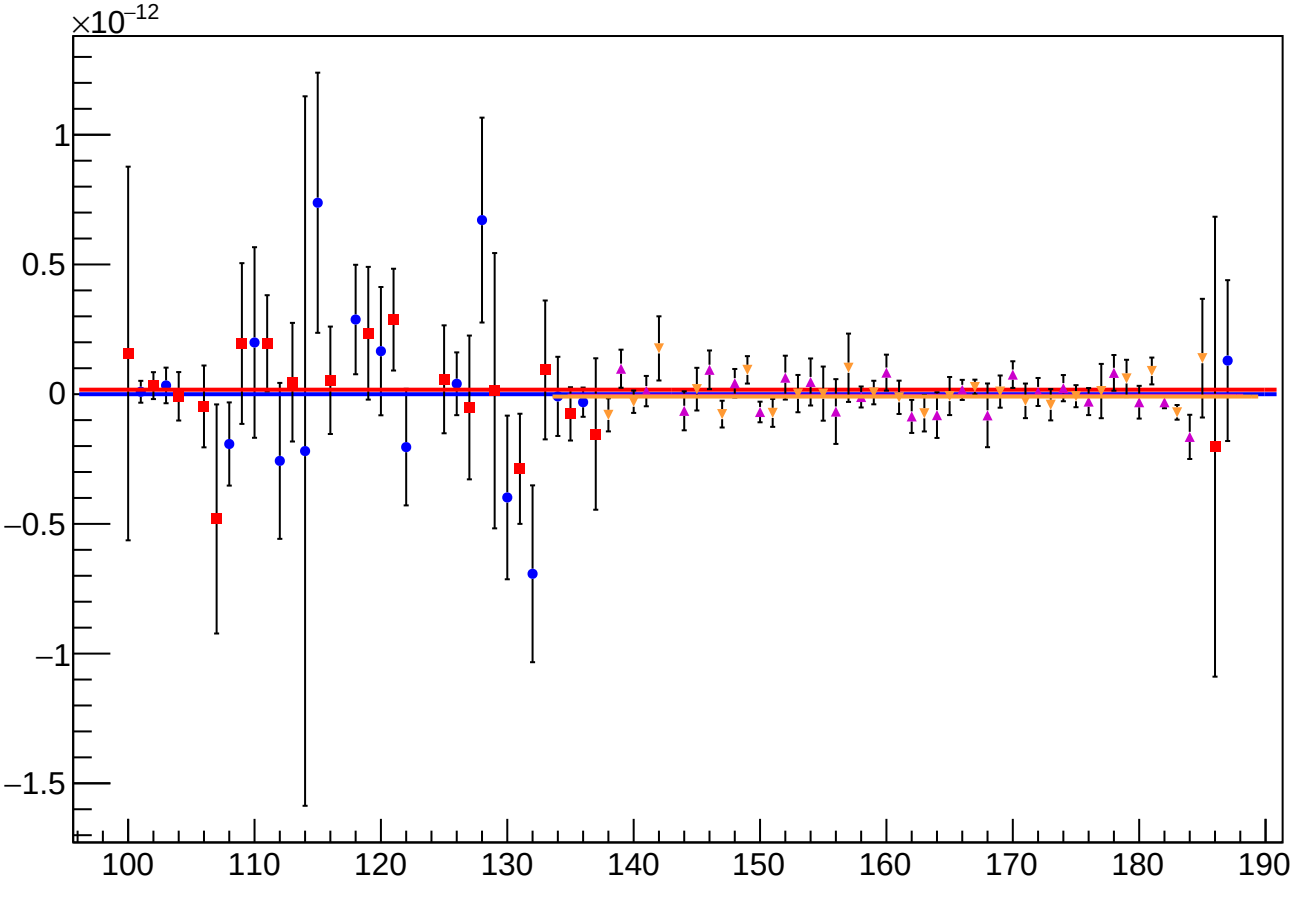
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3042.275+/-0.563 χ^2/NDF: 809743.2/35

In: 3021.931+/-0.425 χ^2/NDF:900763.8/39

Out: 3034.425+/-0.423 χ^2/NDF:746749.9/42

All: 3028.210+/-0.300 χ^2/NDF: 1647947.5/82



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

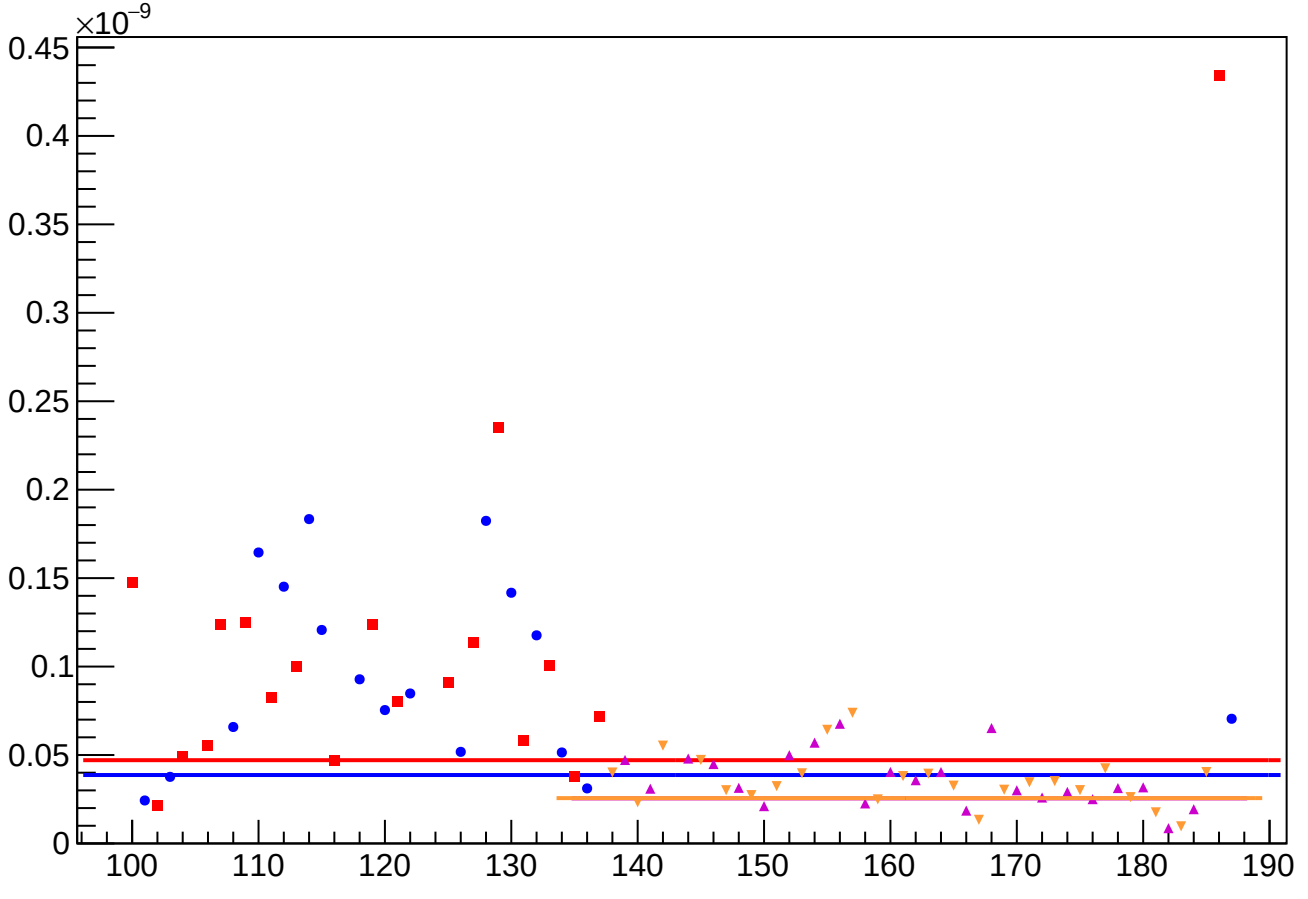
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 26.5/35

In: -0.000+/-0.000 χ^2/NDF:40.6/39

Out: -0.000+/-0.000 χ^2/NDF:33.8/42

All: -0.000+/-0.000 χ^2/NDF: 74.3/82



Right In: 0.000+/-0.000 χ^2/NDF: 1792614.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2078732.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

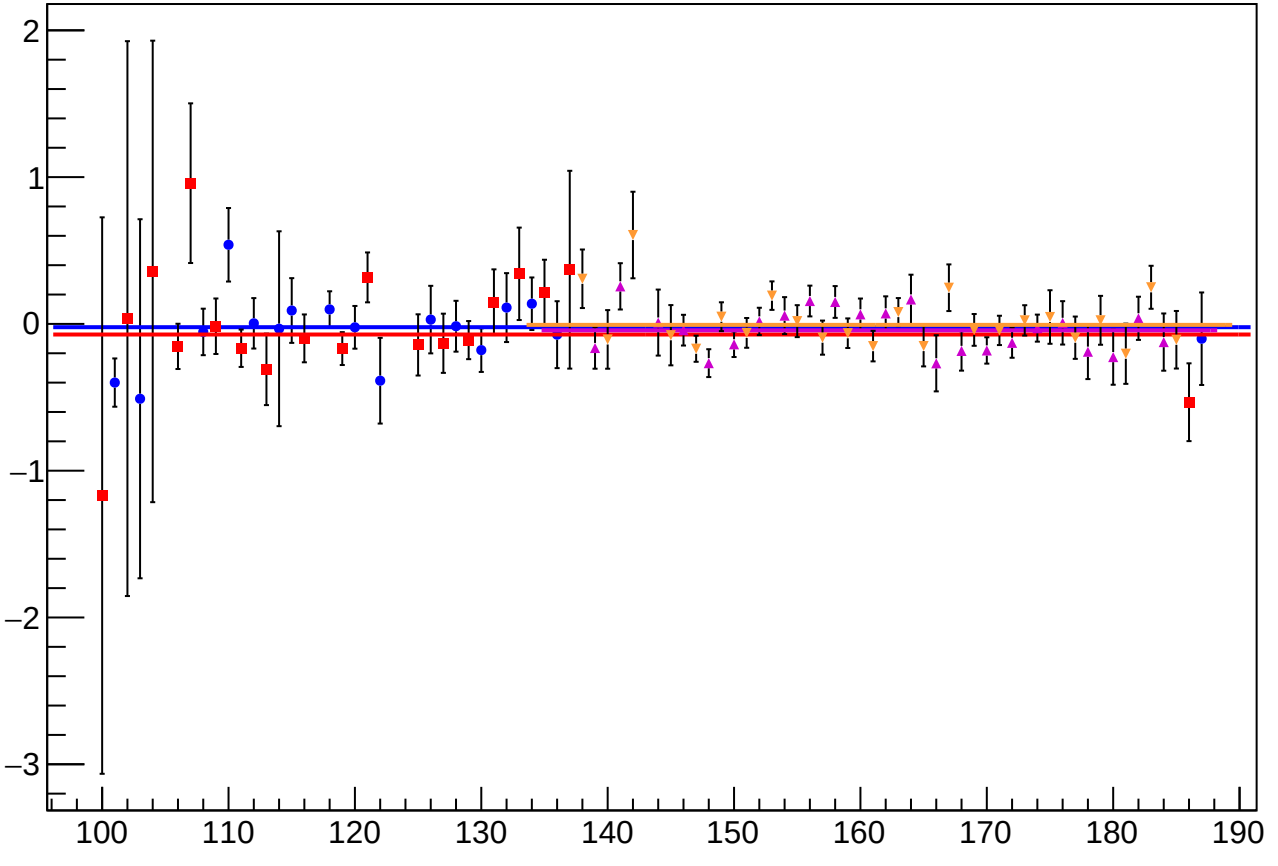
Right: 0.000+/-0.000 χ^2/NDF: 3944486.7/35

In: 0.000+/-0.000 χ^2/NDF:5006532.9/39

Out: 0.000+/-0.000 χ^2/NDF:5219101.0/42

All: 0.000+/-0.000 χ^2/NDF: 10226339.1/82

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.072+/-0.046 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

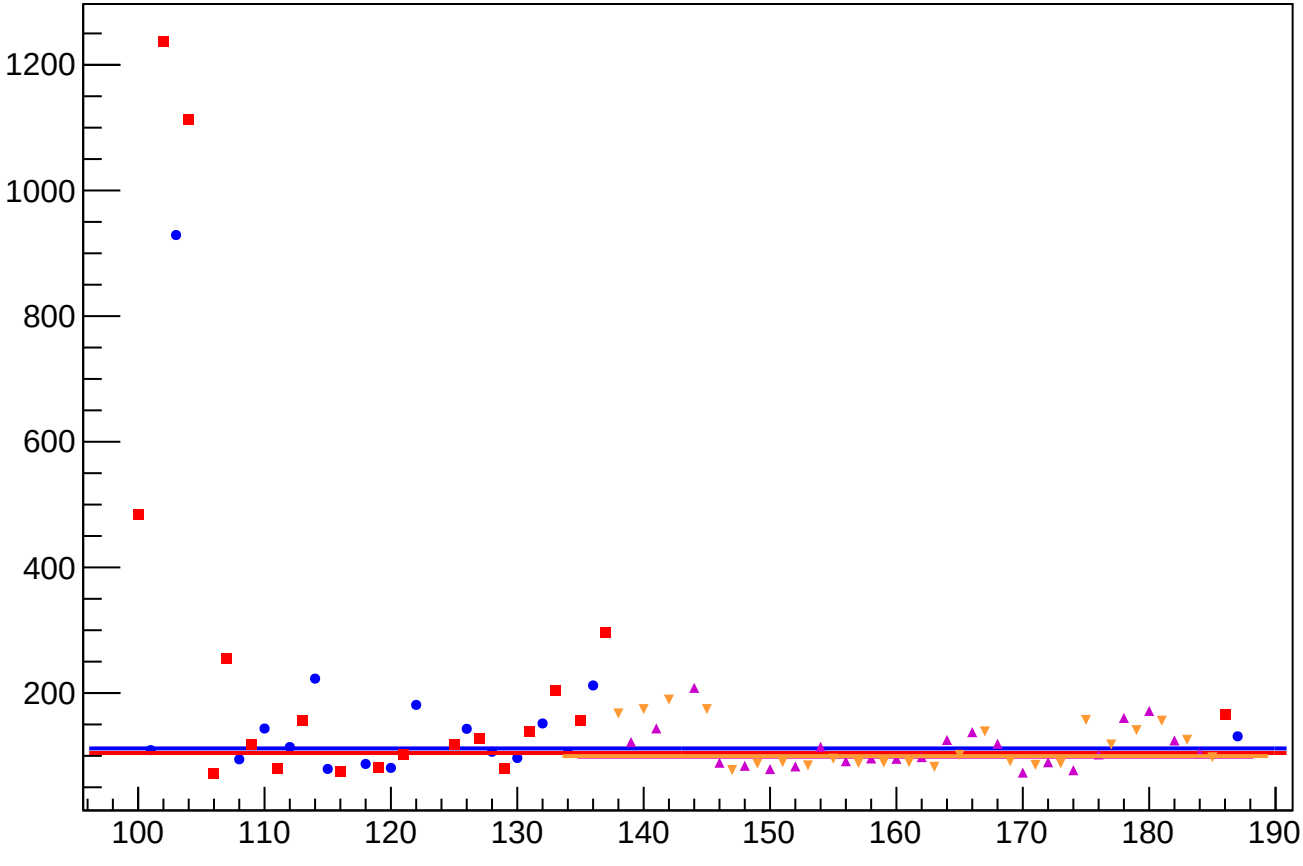
Right: -0.048+/-0.033 χ^2/NDF: 36.2/35

In: -0.039+/-0.022 χ^2/NDF:46.1/39

Out: -0.022+/-0.022 χ^2/NDF:49.2/42

All: -0.030+/-0.016 χ^2/NDF: 95.6/82

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.847+/-0.033 χ^2/NDF: 1847009.9/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 104.544+/-0.032 χ^2/NDF: 2936134.2/18

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

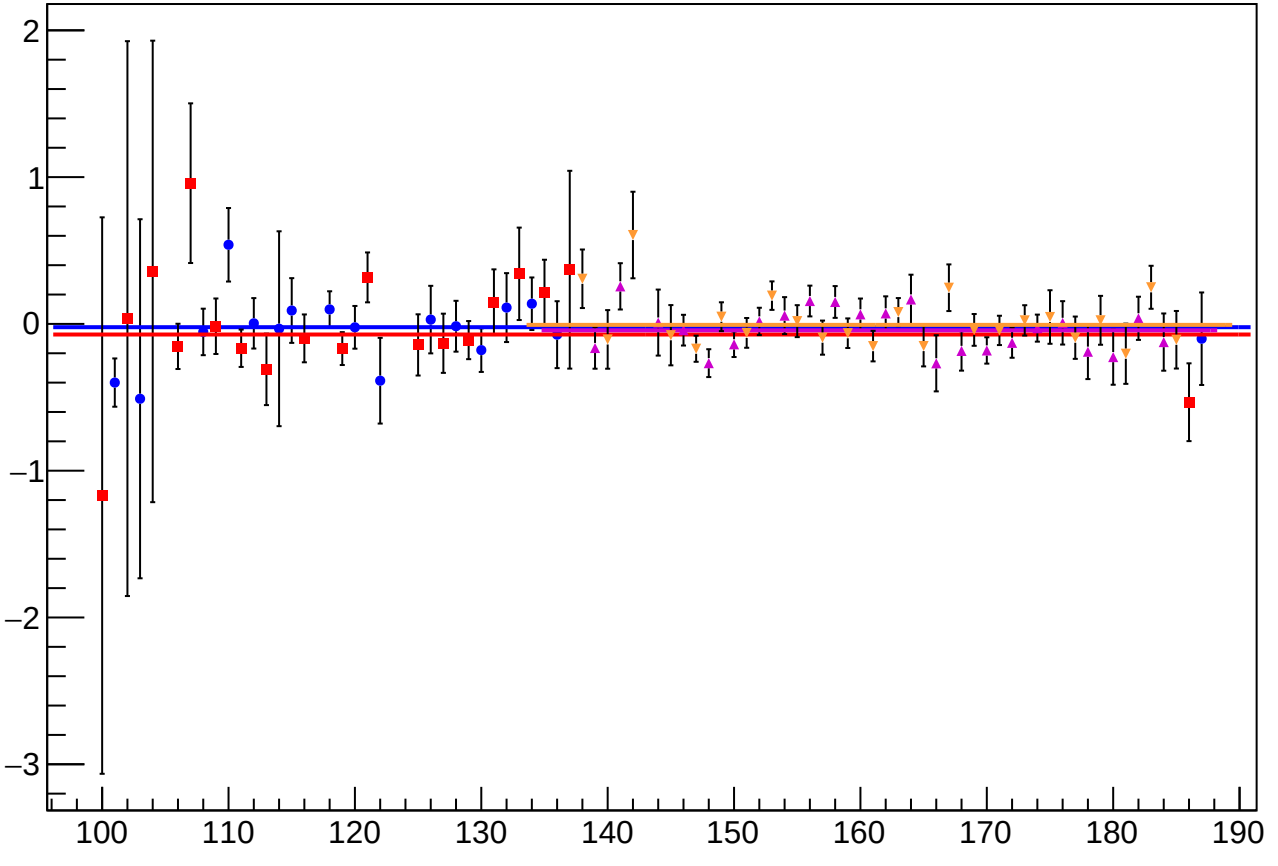
Right: 108.086+/-0.023 χ^2/NDF: 4807910.2/35

In: 101.577+/-0.016 χ^2/NDF:3972412.7/39

Out: 100.753+/-0.016 χ^2/NDF:5025098.7/42

All: 101.166+/-0.011 χ^2/NDF: 8998897.9/82

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.072+/-0.046 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

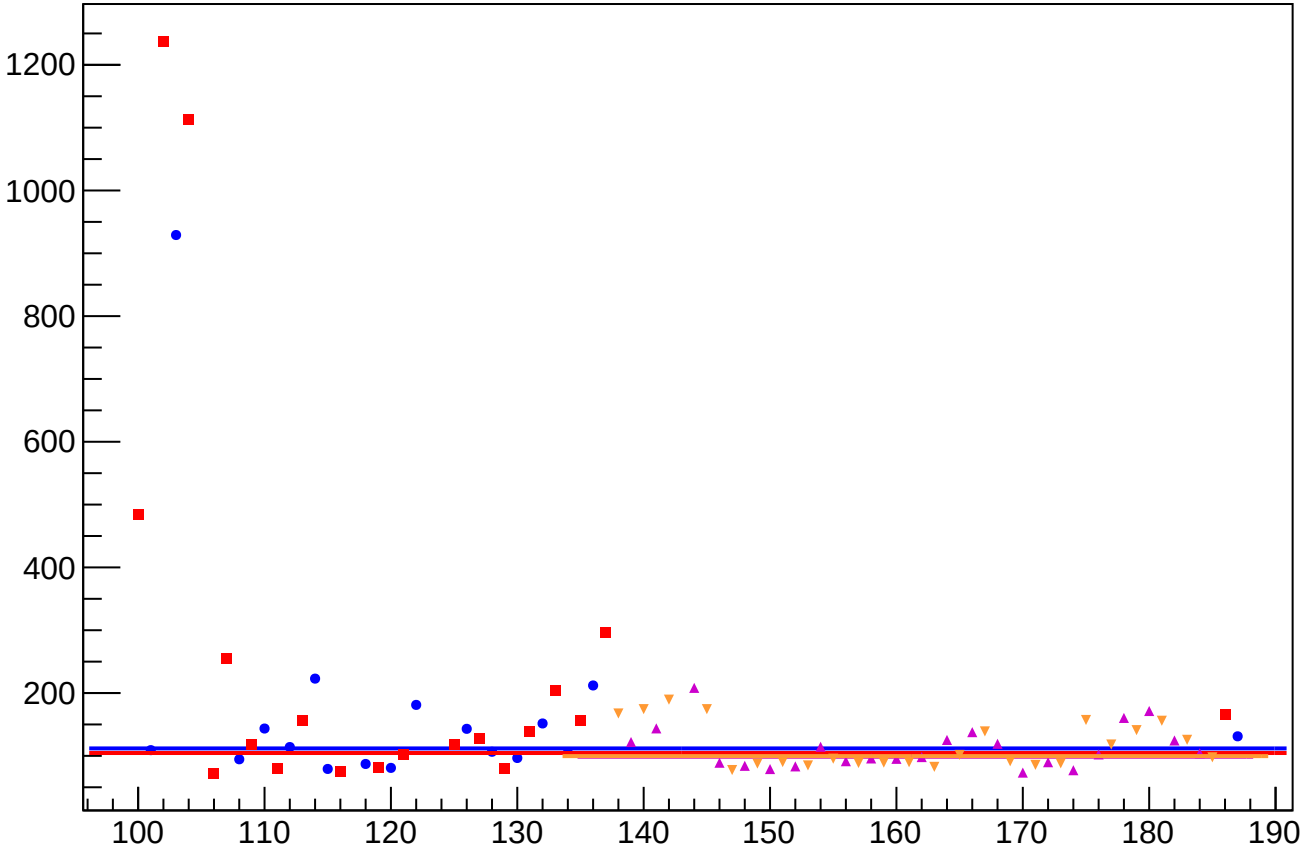
Right: -0.048+/-0.033 χ^2/NDF: 36.2/35

In: -0.039+/-0.022 χ^2/NDF:46.1/39

Out: -0.022+/-0.022 χ^2/NDF:49.2/42

All: -0.030+/-0.016 χ^2/NDF: 95.6/82

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.847+/-0.033 χ^2/NDF: 1847009.9/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 104.544+/-0.032 χ^2/NDF: 2936134.2/18

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

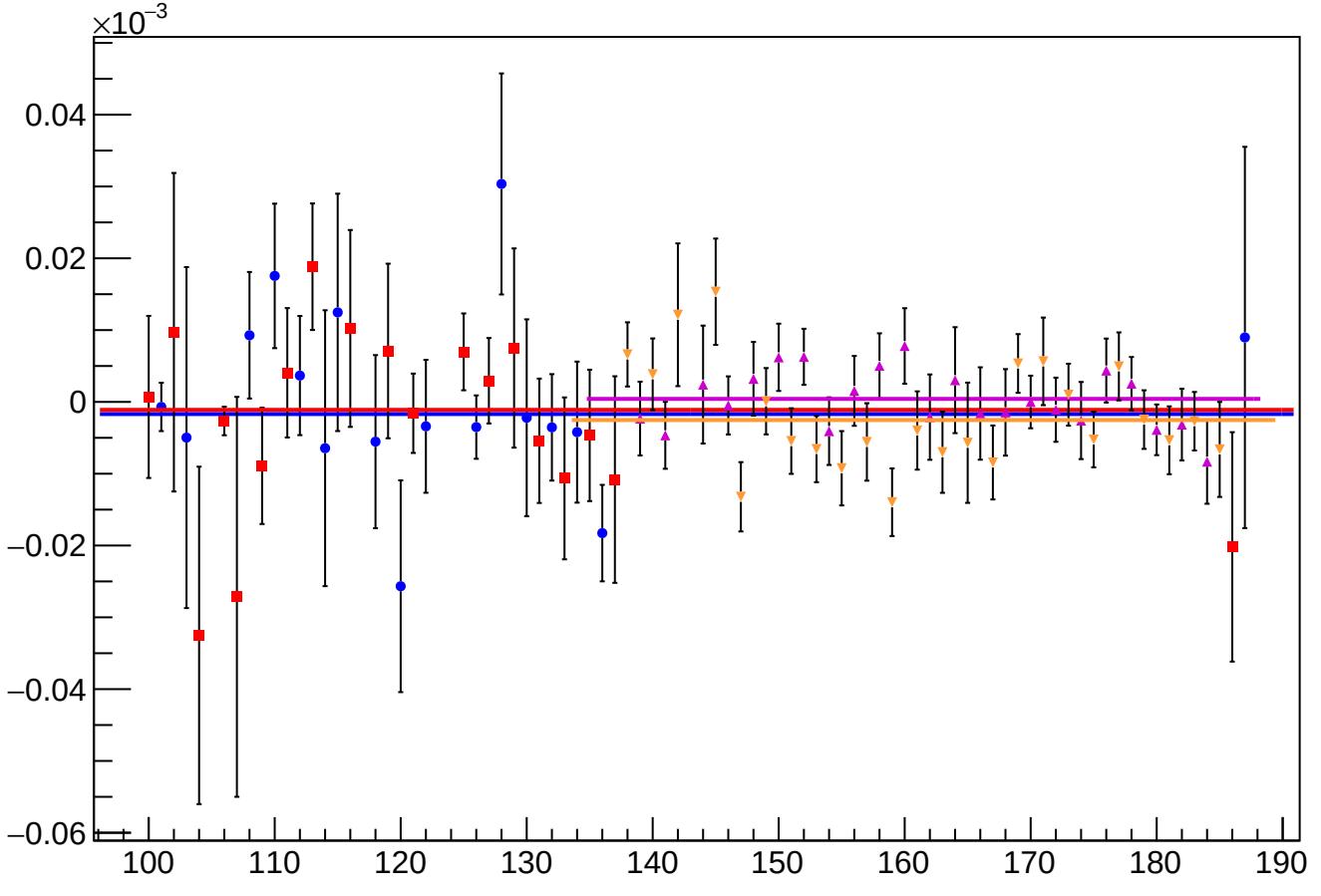
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 108.086+/-0.023 χ^2/NDF: 4807910.2/35

In: 101.577+/-0.016 χ^2/NDF:3972412.7/39

Out: 100.753+/-0.016 χ^2/NDF:5025098.7/42

All: 101.166+/-0.011 χ^2/NDF: 8998897.9/82



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

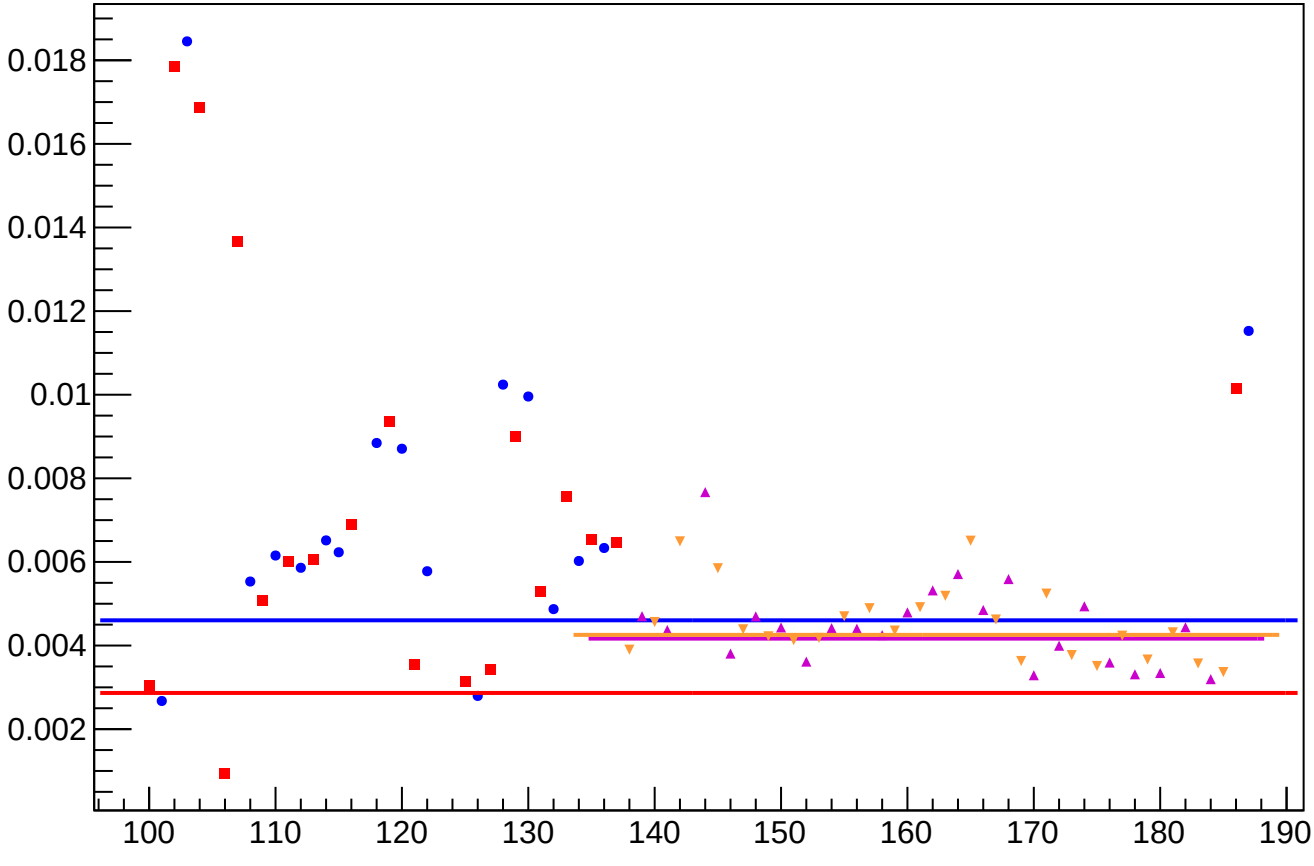
Right: -0.000+/-0.000 χ^2/NDF: 37.4/35

In: -0.000+/-0.000 χ^2/NDF:37.0/39

Out: -0.000+/-0.000 χ^2/NDF:58.0/42

All: -0.000+/-0.000 χ^2/NDF: 97.8/82

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: 3148954.6/16

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7029344.1/18

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

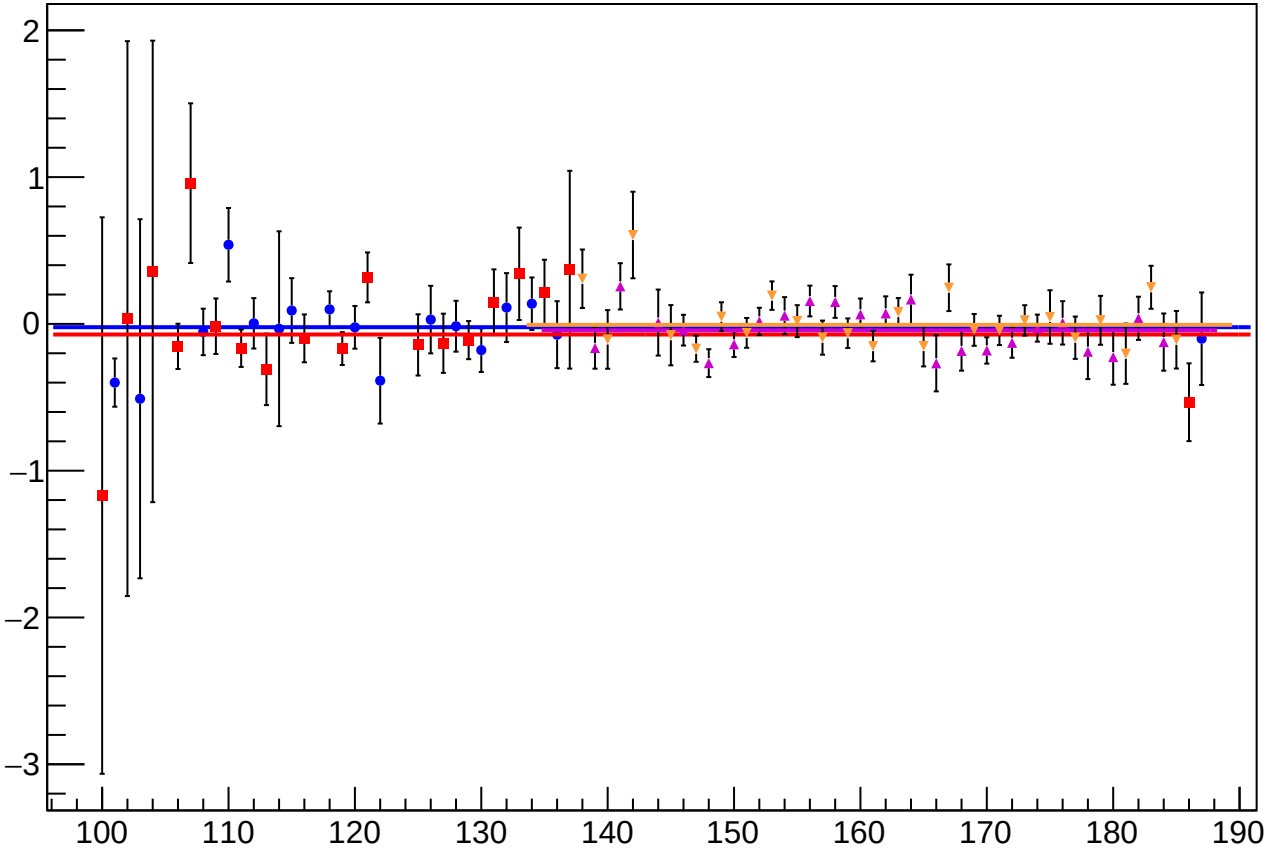
Right: 0.004+/-0.000 χ^2/NDF: 11206649.3/35

In: 0.004+/-0.000 χ^2/NDF:4508056.5/39

Out: 0.004+/-0.000 χ^2/NDF:9072727.1/42

All: 0.004+/-0.000 χ^2/NDF: 13853567.3/82

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.072+/-0.046 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

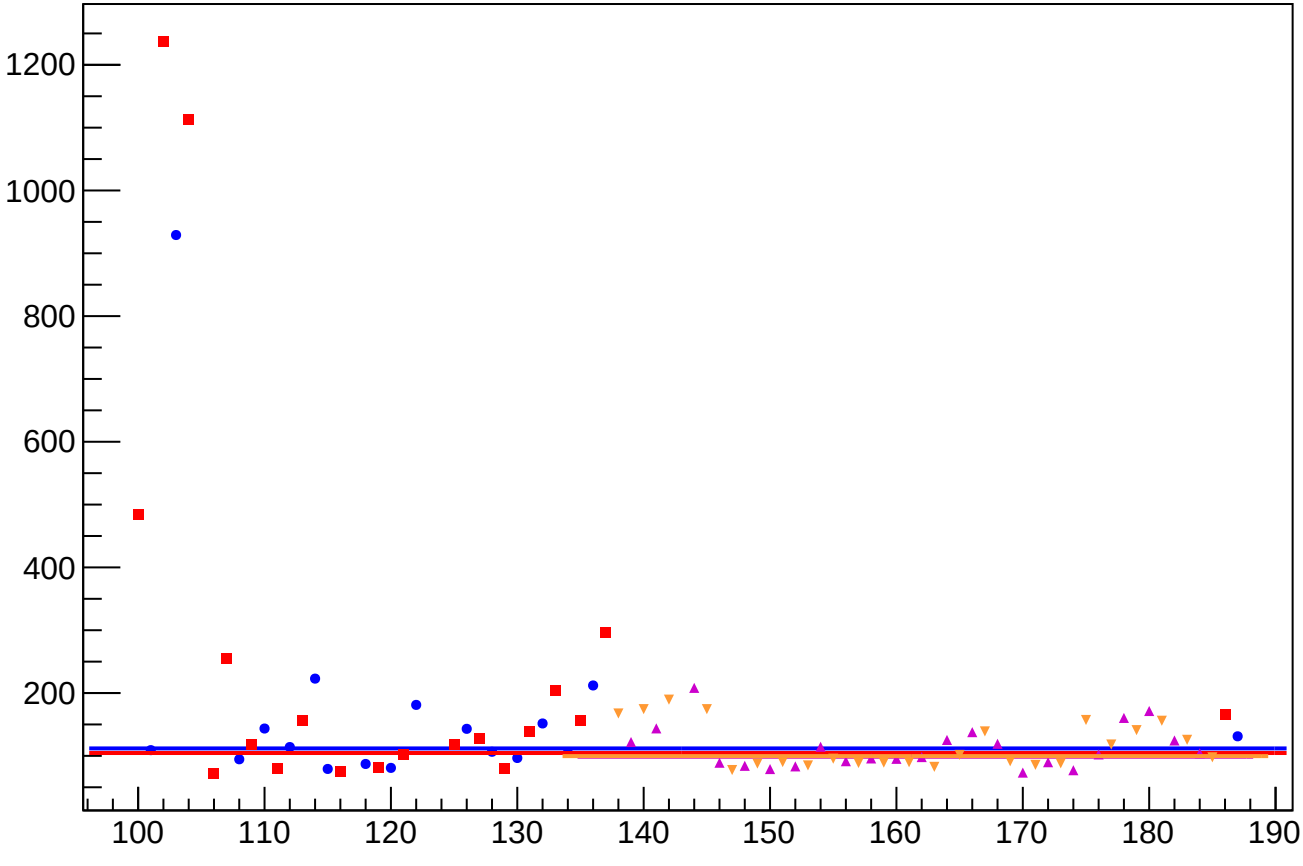
Right: -0.048+/-0.033 χ^2/NDF: 36.2/35

In: -0.039+/-0.022 χ^2/NDF:46.1/39

Out: -0.022+/-0.022 χ^2/NDF:49.2/42

All: -0.030+/-0.016 χ^2/NDF: 95.6/82

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.844+/-0.033 χ^2/NDF: 1847063.8/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 104.542+/-0.032 χ^2/NDF: 2936143.1/18

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

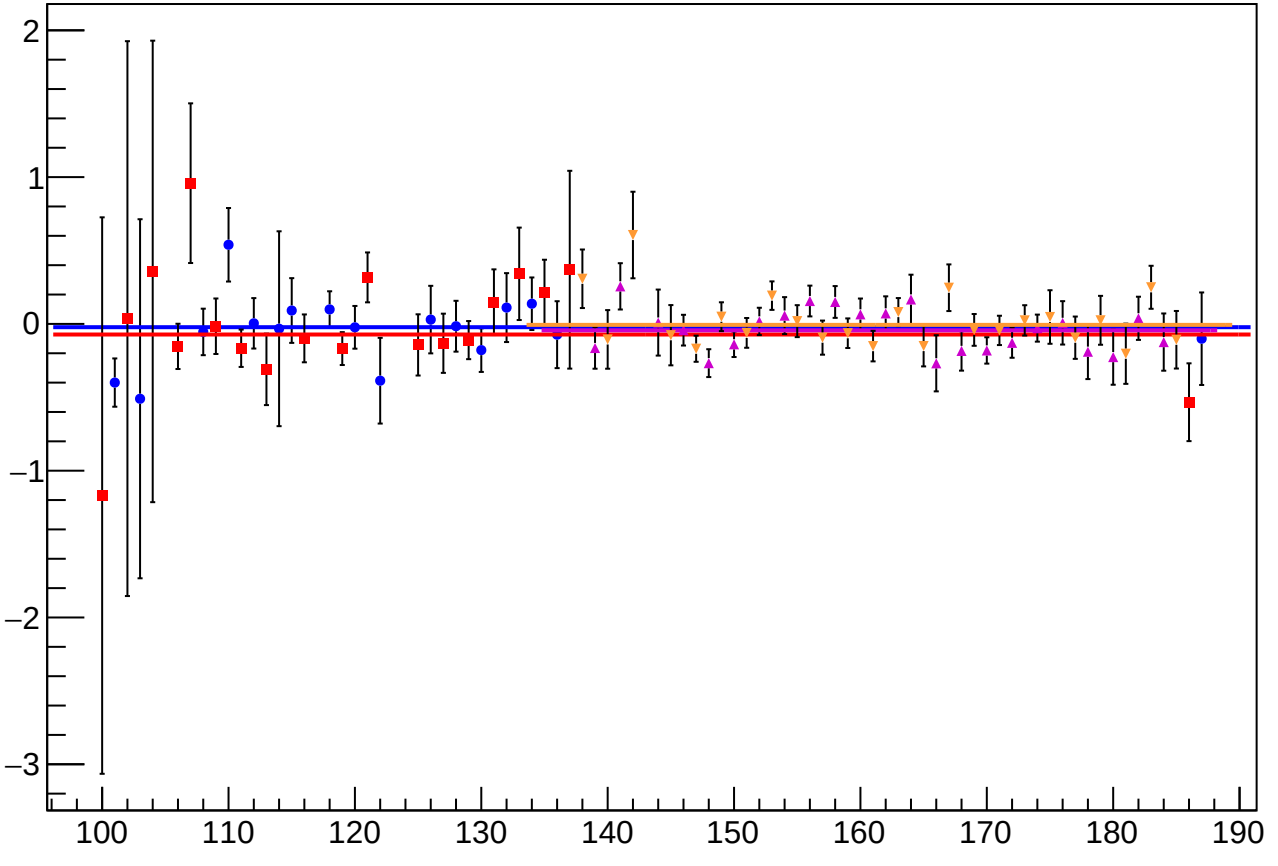
Right: 108.084+/-0.023 χ^2/NDF: 4807967.4/35

In: 101.577+/-0.016 χ^2/NDF:3972383.1/39

Out: 100.753+/-0.016 χ^2/NDF:5025056.8/42

All: 101.166+/-0.011 χ^2/NDF: 8998825.2/82

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.072+/-0.046 χ^2/NDF: 20.0/18

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

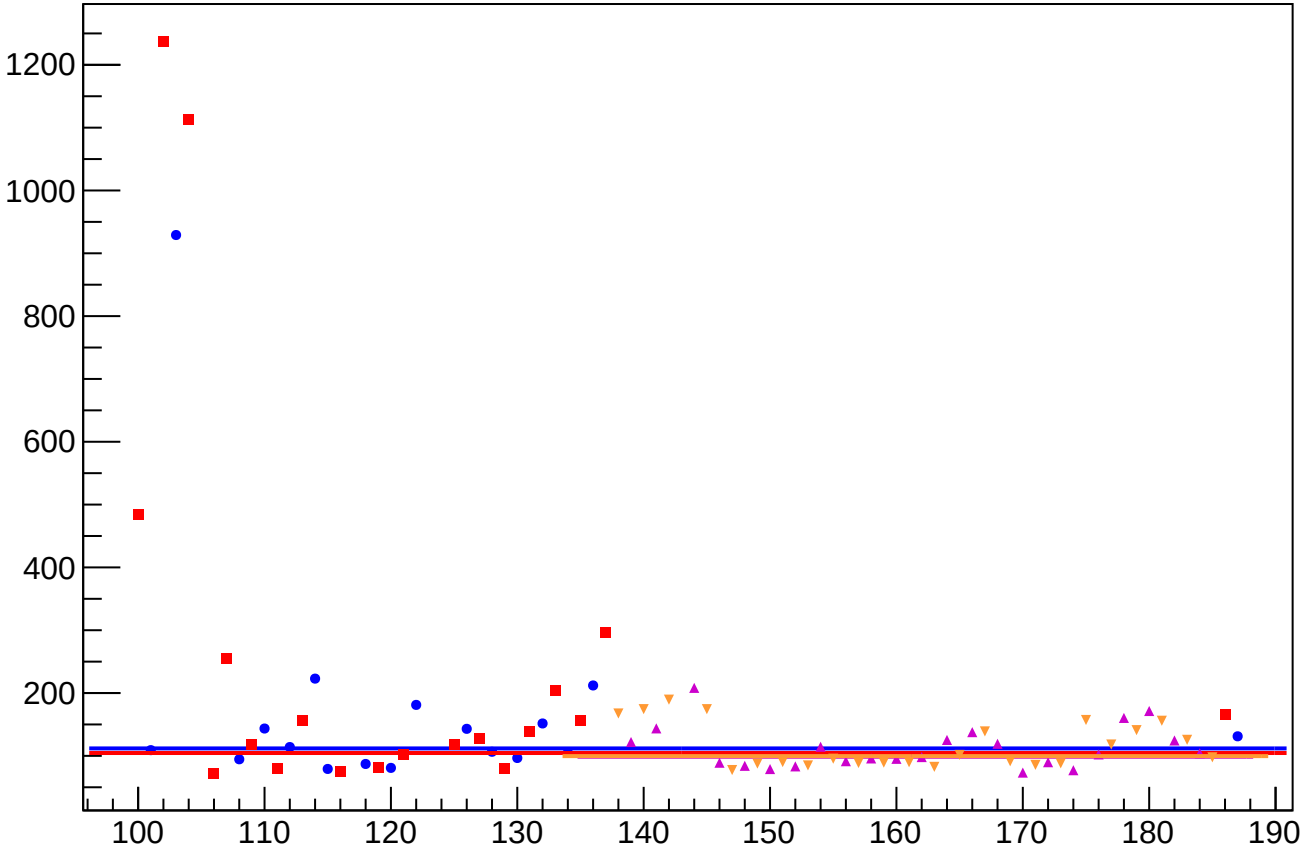
Right: -0.048+/-0.033 χ^2/NDF: 36.2/35

In: -0.039+/-0.022 χ^2/NDF:46.1/39

Out: -0.022+/-0.022 χ^2/NDF:49.2/42

All: -0.030+/-0.016 χ^2/NDF: 95.6/82

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.844+/-0.033 χ^2/NDF: 1847063.8/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 104.542+/-0.032 χ^2/NDF: 2936143.1/18

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

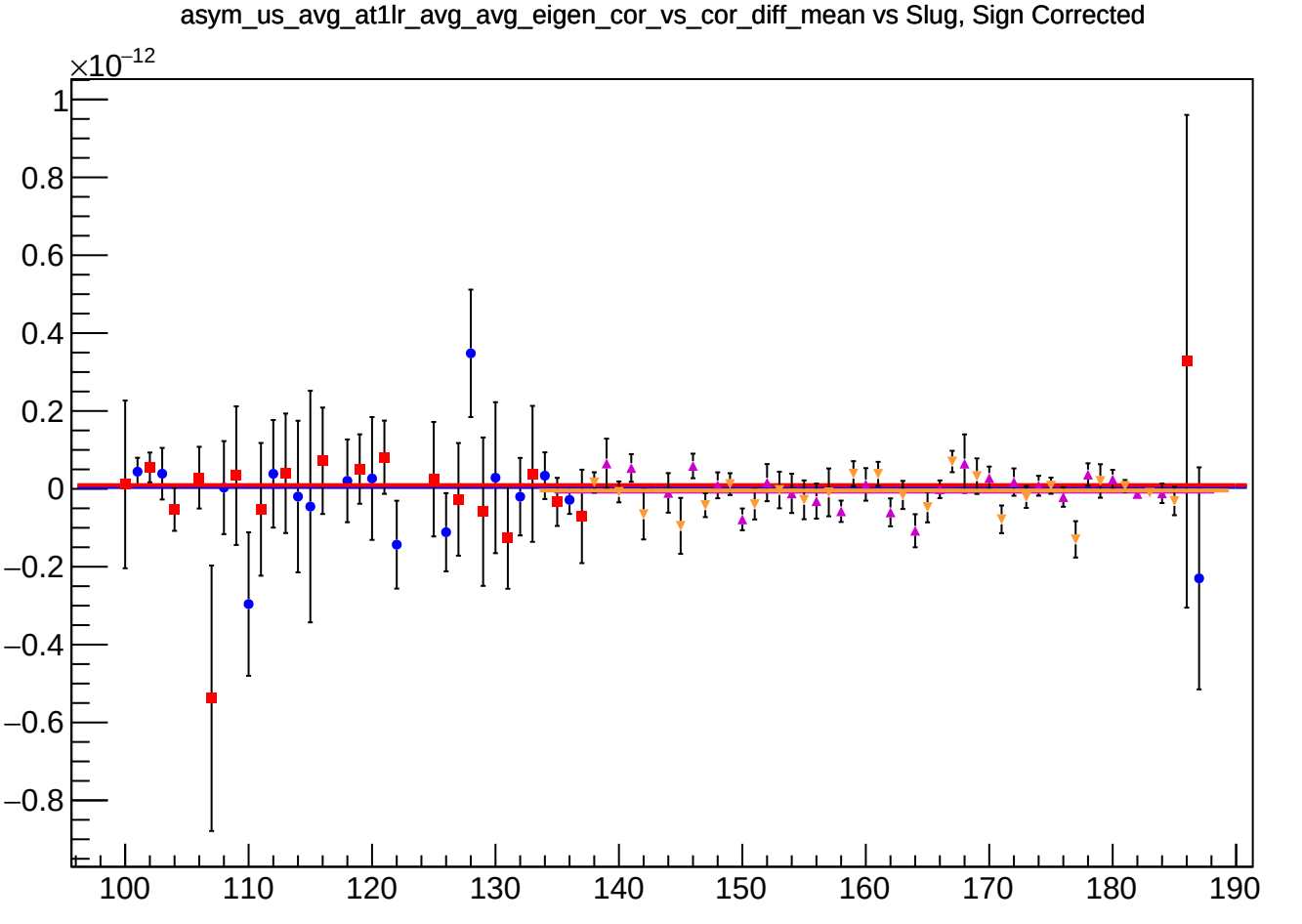
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

Right: 108.084+/-0.023 χ^2/NDF: 4807967.4/35

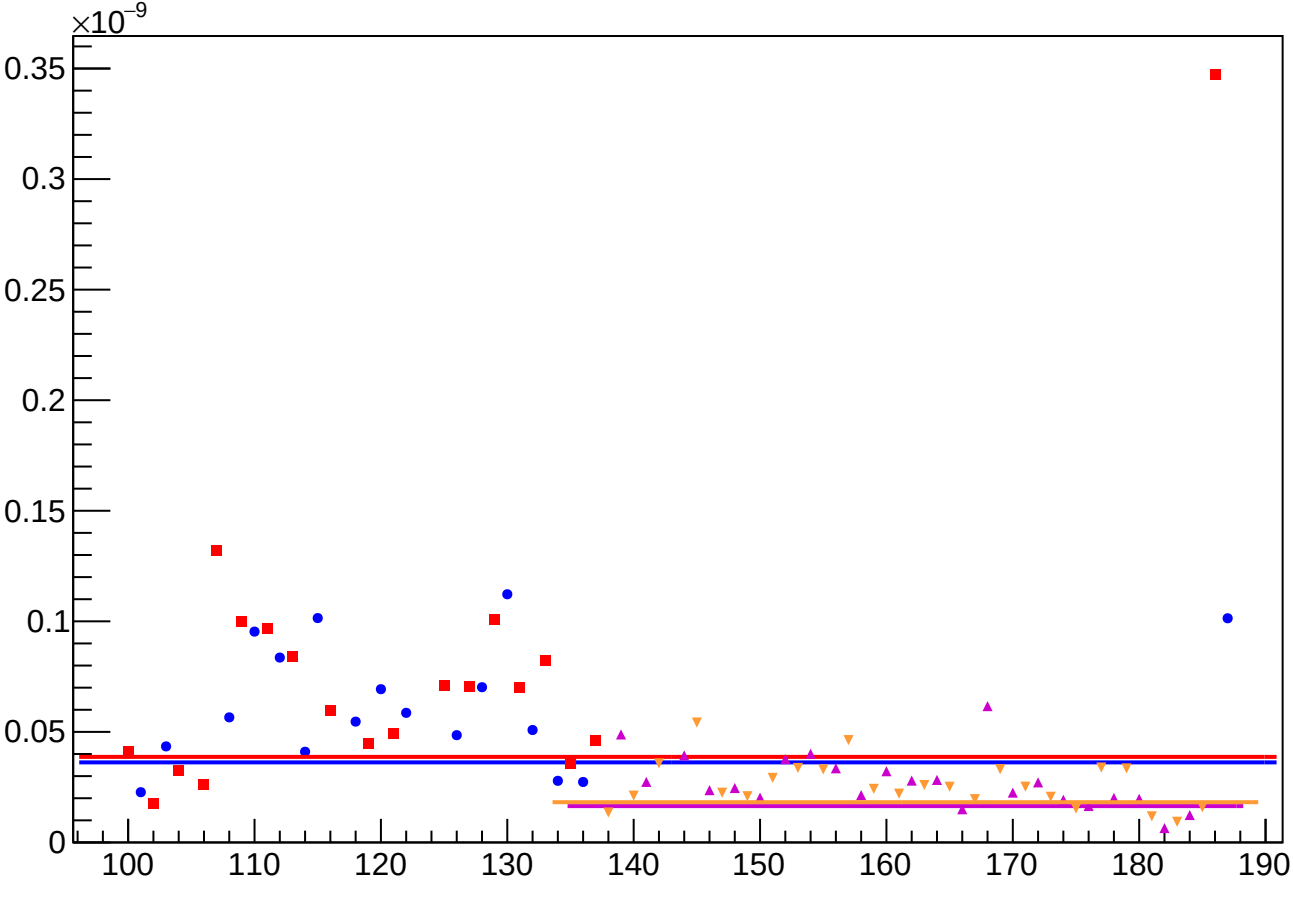
In: 101.577+/-0.016 χ^2/NDF:3972383.1/39

Out: 100.753+/-0.016 χ^2/NDF:5025056.8/42

All: 101.166+/-0.011 χ^2/NDF: 8998825.2/82


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 13.6/16
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 8.9/18
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 22.5/35
In: -0.000+/-0.000 χ²/NDF:49.1/39
Out: -0.000+/-0.000 χ²/NDF:42.3/42
All: -0.000+/-0.000 χ²/NDF: 91.5/82

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: 1864081.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2678433.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

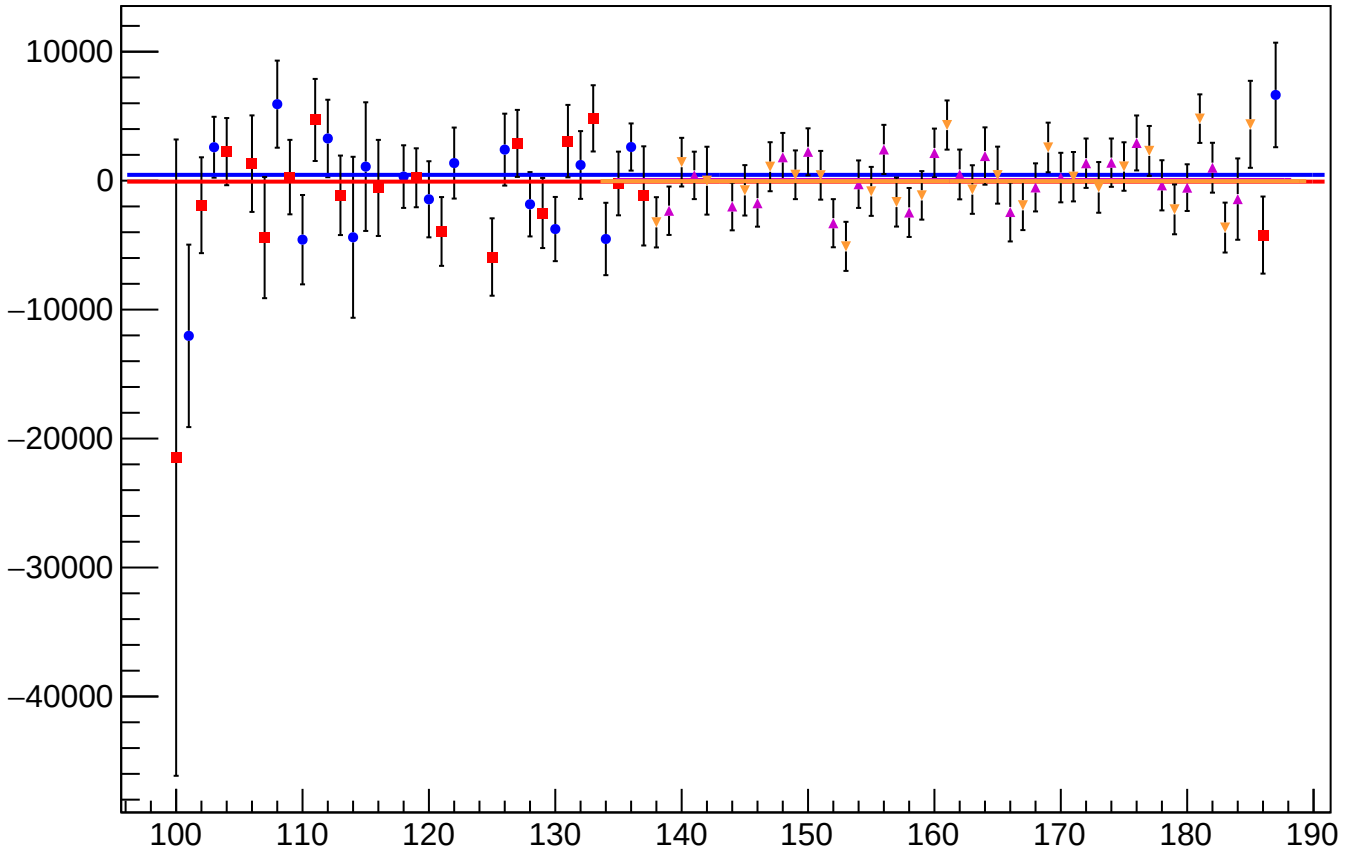
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 4557371.9/35

In: 0.000+/-0.000 χ^2/NDF:10849127.4/39

Out: 0.000+/-0.000 χ^2/NDF:8664026.0/42

All: 0.000+/-0.000 χ^2/NDF: 19610335.5/82



Right In: 449.442+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -76.102+/-692.907 χ^2/NDF: 20.1/18

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

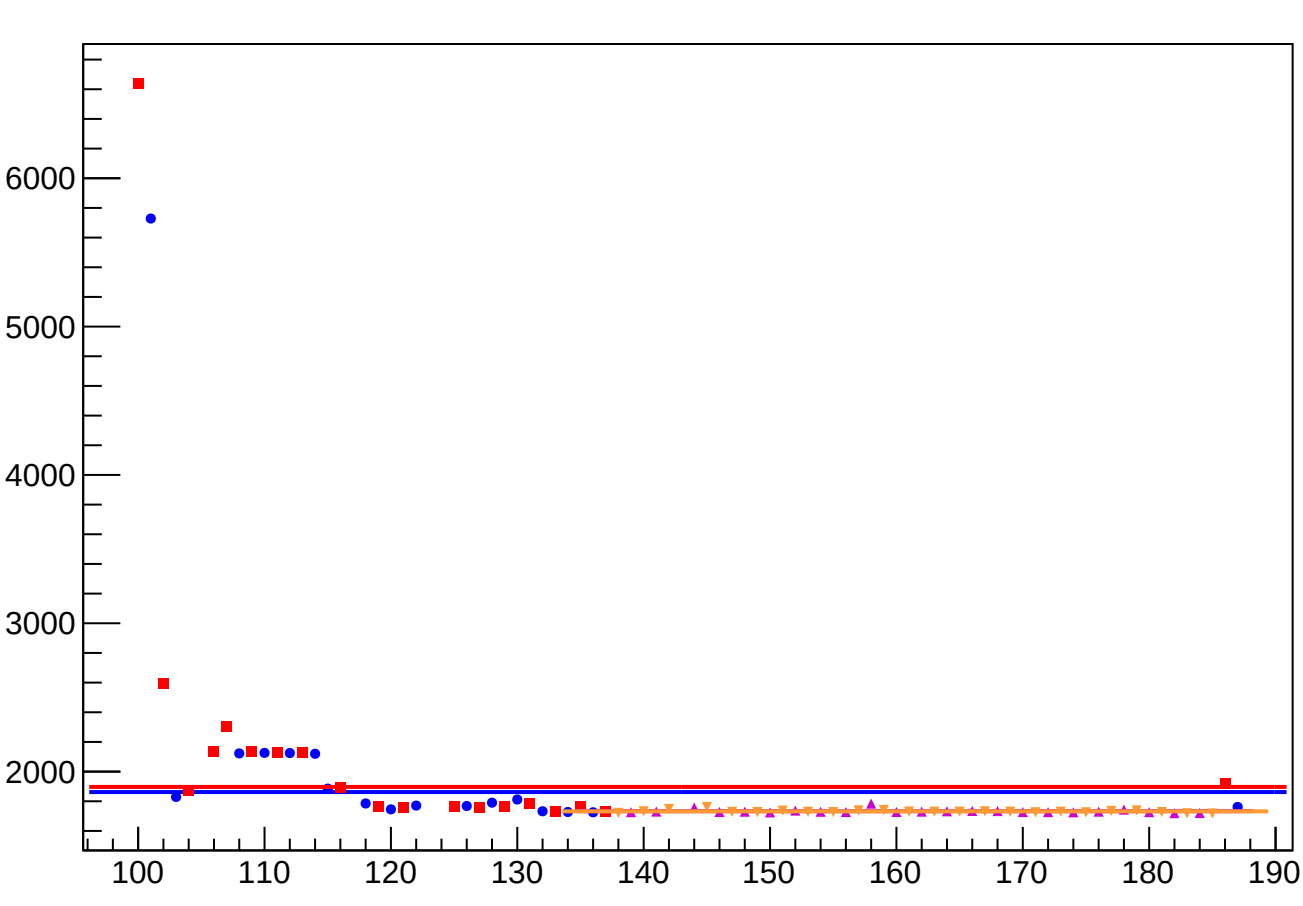
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 184.345+/-492.122 χ^2/NDF: 42.2/35

In: 152.362+/-350.245 χ^2/NDF:41.5/39

Out: -45.199+/-347.699 χ^2/NDF:55.5/42

All: 52.861+/-246.755 χ^2/NDF: 97.1/82



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1896.724+/-0.490 χ^2/NDF: 250965.9/18

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

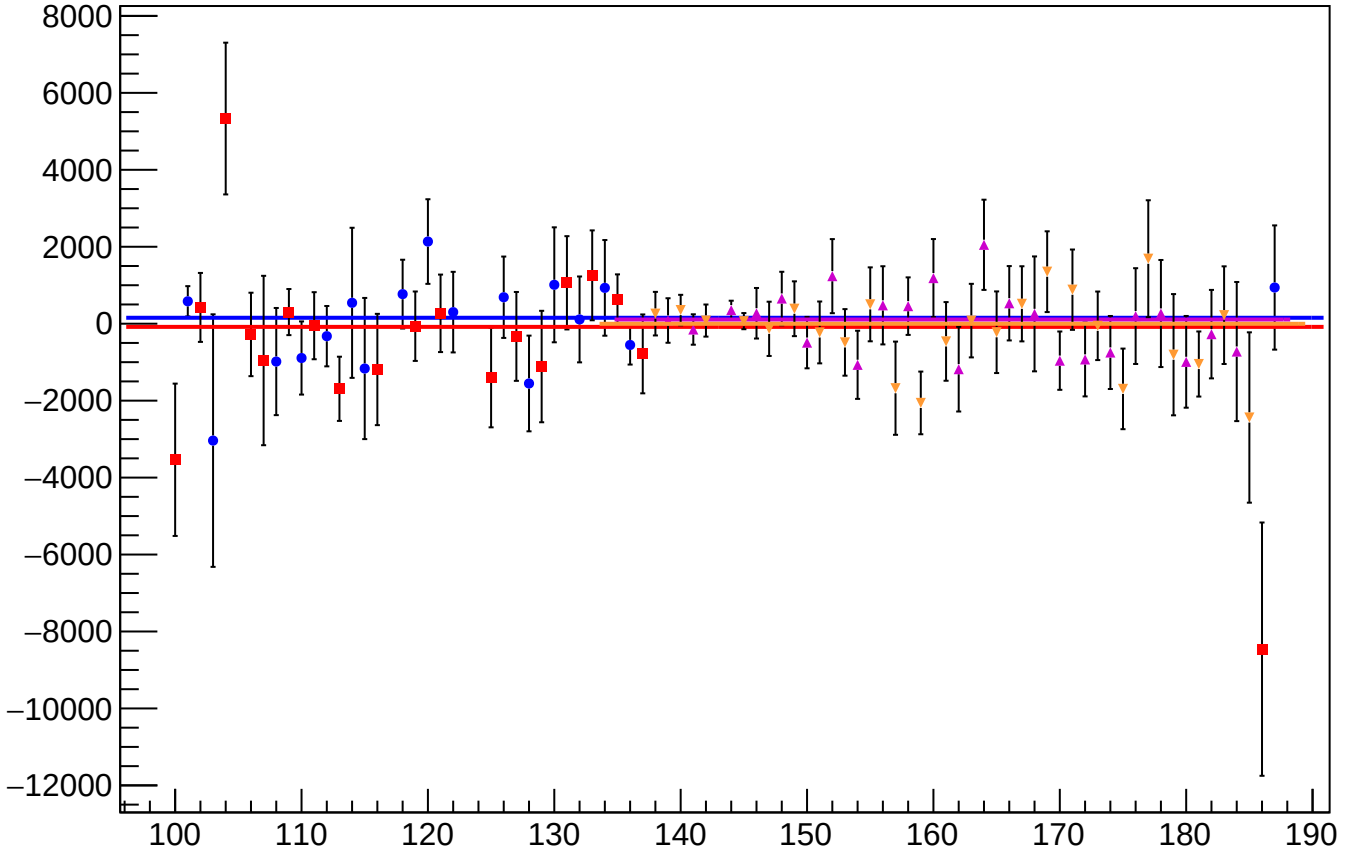
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1879.562+/-0.348 χ^2/NDF: 927430.5/35

In: 1765.641+/-0.248 χ^2/NDF:727052.5/39

Out: 1773.466+/-0.246 χ^2/NDF:336487.3/42

All: 1769.582+/-0.174 χ^2/NDF: 1064042.6/82



Right In: 154.407+/-218.084 χ^2/NDF: 13.7/16

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -82.508+/-237.632 χ^2/NDF: 27.9/18

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

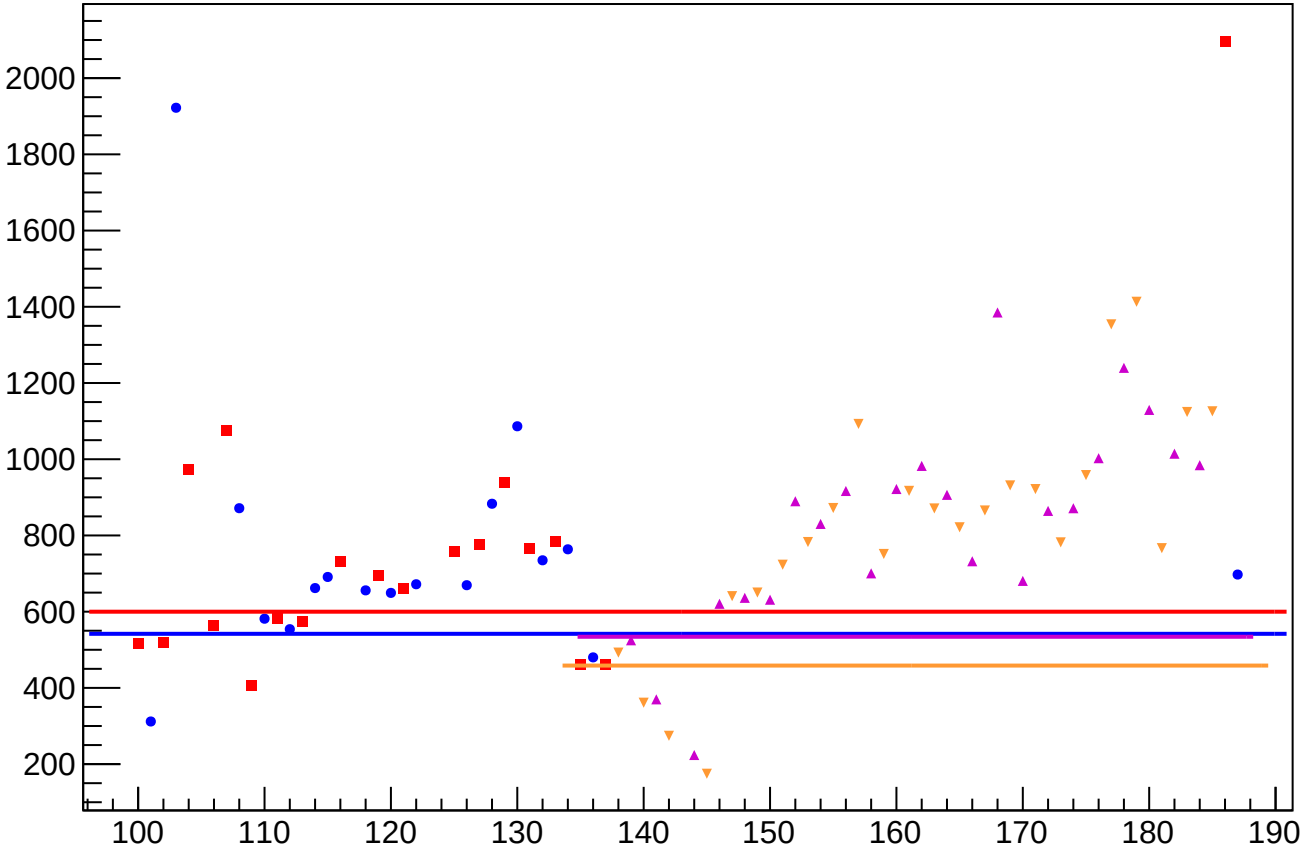
Right: 46.094+/-160.675 χ^2/NDF: 42.1/35

In: 122.266+/-119.768 χ^2/NDF:30.7/39

Out: -20.868+/-114.084 χ^2/NDF:48.3/42

All: 47.222+/-82.606 χ^2/NDF: 79.7/82

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 541.906+/-0.154 χ^2/NDF: 1873477.2/16

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 599.938+/-0.168 χ^2/NDF: 1258288.4/18

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

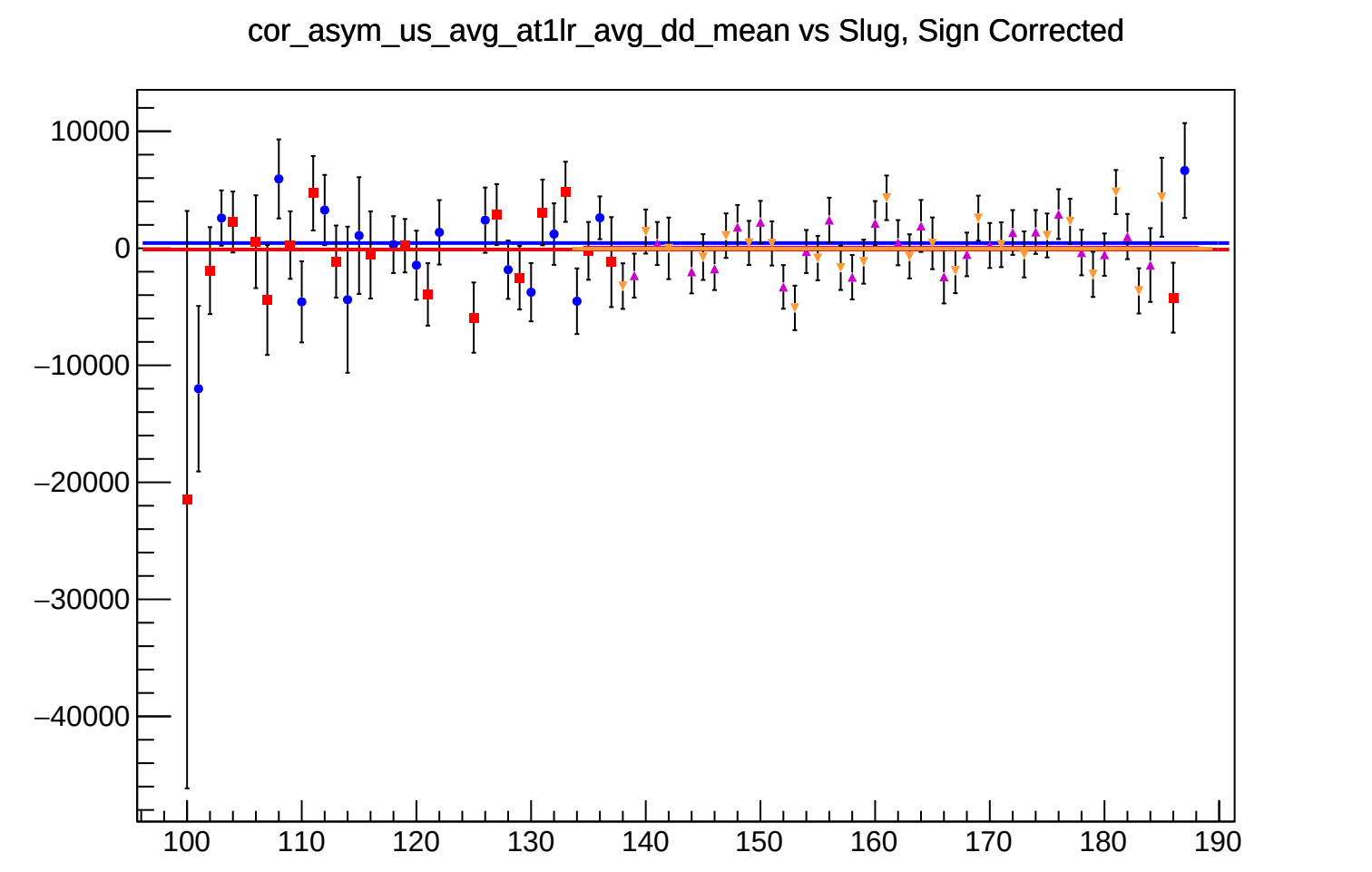
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 568.437+/-0.114 χ^2/NDF: 3196510.1/35

In: 536.497+/-0.085 χ^2/NDF:10318532.1/39

Out: 491.160+/-0.081 χ^2/NDF:13229630.1/42

All: 512.727+/-0.058 χ^2/NDF: 23698414.9/82



Right In: 449.619+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -104.674+/-694.205 χ^2/NDF: 20.0/18

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

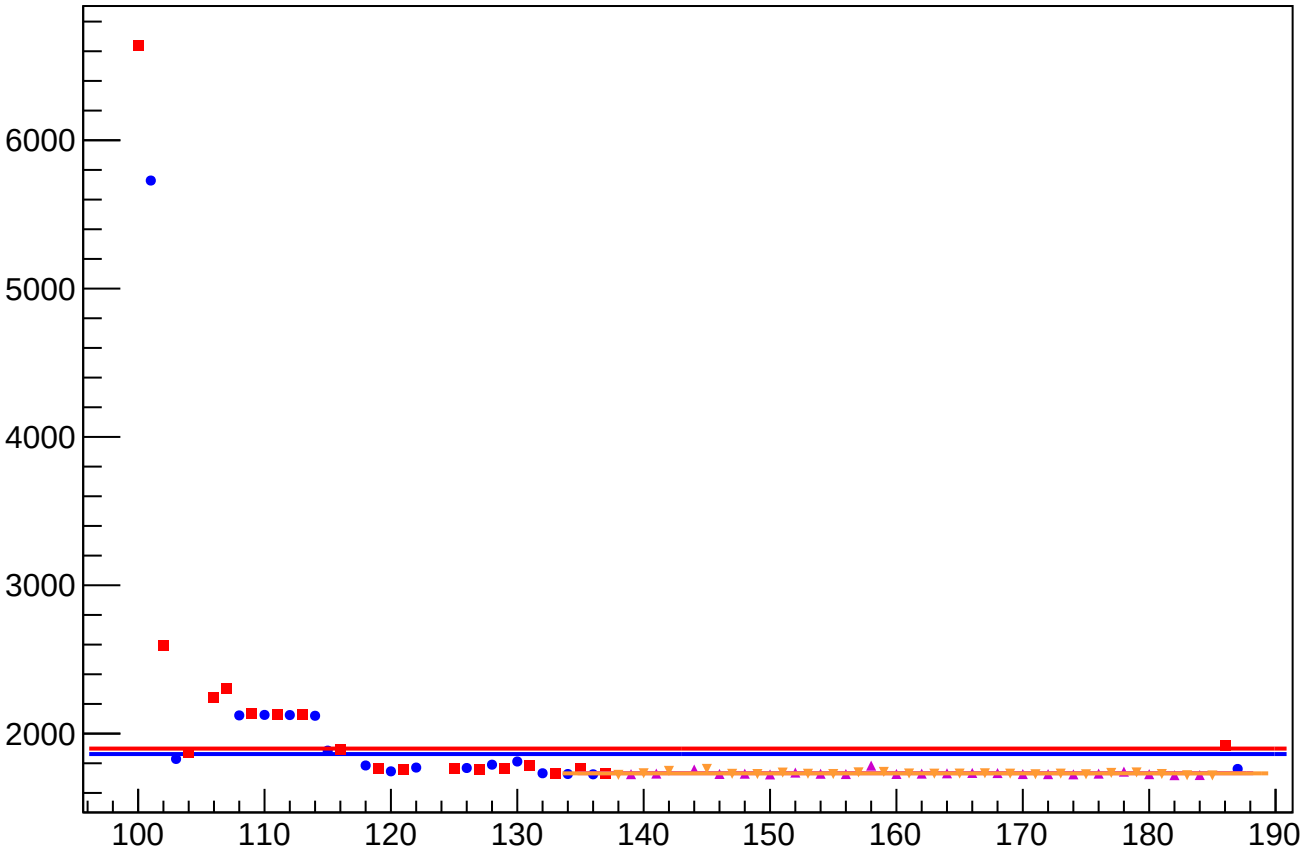
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 170.539+/-492.586 χ^2/NDF: 42.1/35

In: 152.345+/-350.245 χ^2/NDF:41.5/39

Out: -52.302+/-347.862 χ^2/NDF:55.4/42

All: 49.323+/-246.814 χ^2/NDF: 97.0/82



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1899.048+/-0.491 χ^2/NDF: 257867.1/18

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

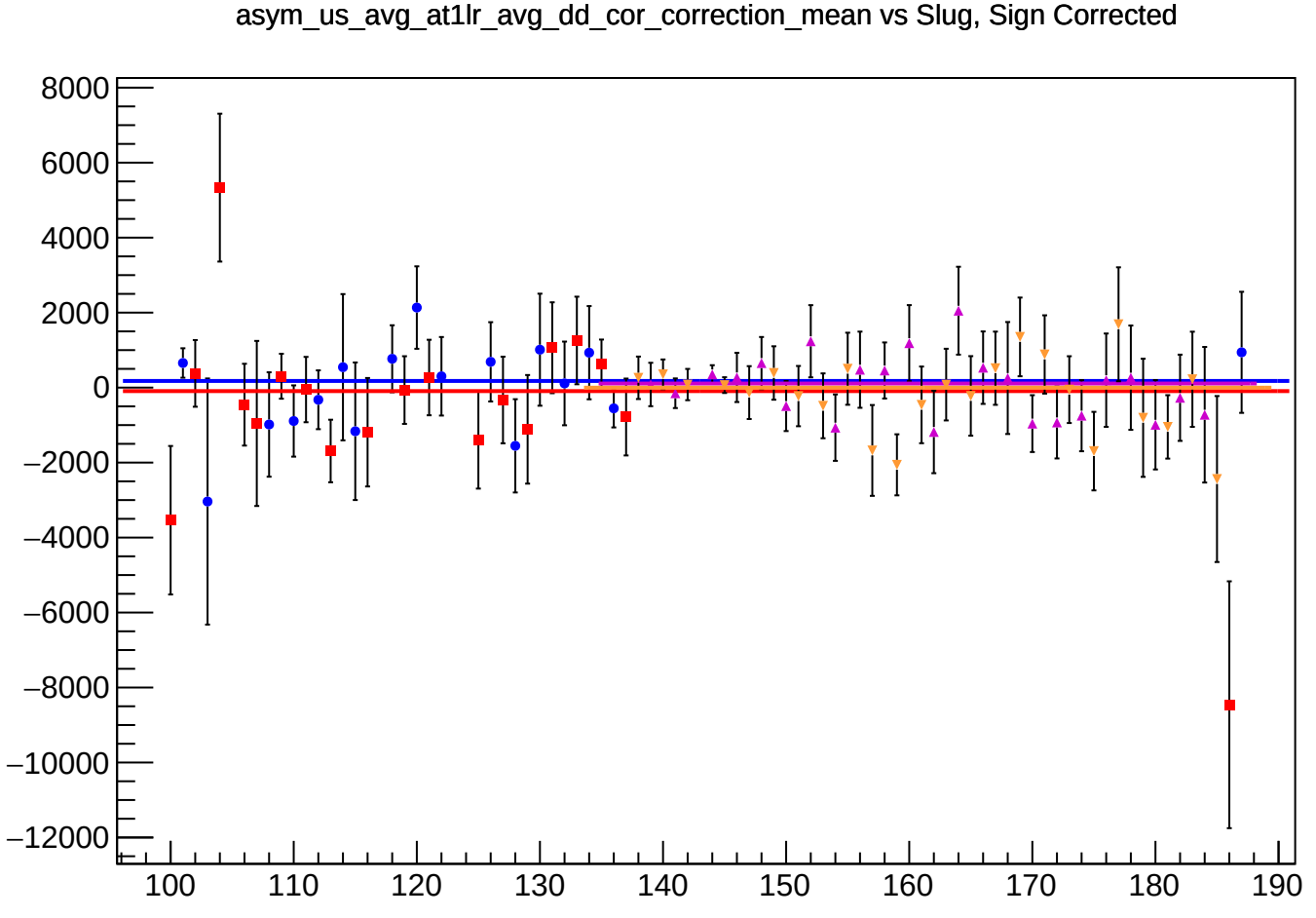
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1880.699+/-0.348 χ^2/NDF: 934669.9/35

In: 1765.641+/-0.248 χ^2/NDF:727052.3/39

Out: 1773.934+/-0.246 χ^2/NDF:345548.5/42

All: 1769.816+/-0.175 χ^2/NDF: 1073165.2/82



Right In: 177.327+/-218.010 χ^2/NDF: 14.1/16

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -93.419+/-237.577 χ^2/NDF: 27.9/18

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

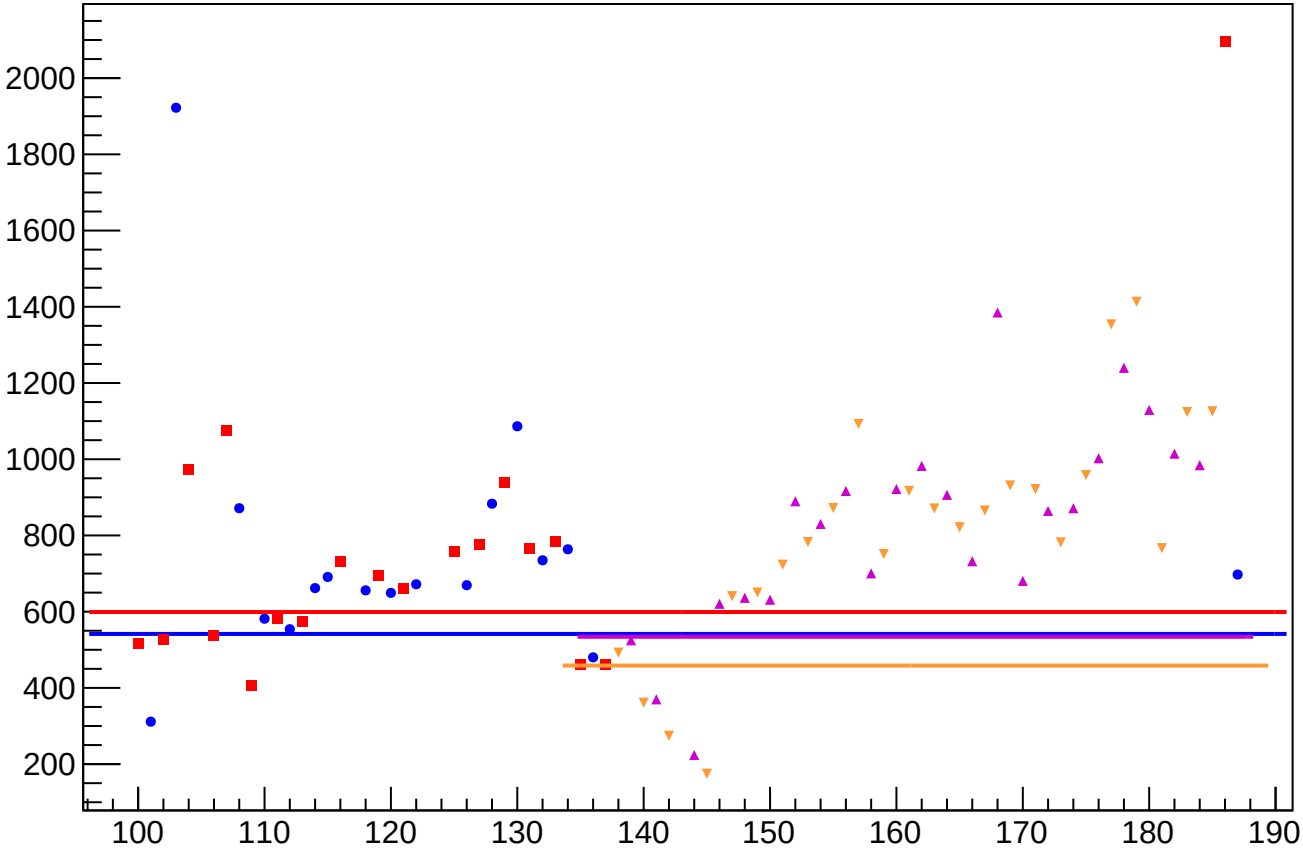
Right: 53.561+/-160.629 χ^2/NDF: 42.8/35

In: 129.169+/-119.756 χ^2/NDF:31.2/39

Out: -23.486+/-114.079 χ^2/NDF:48.3/42

All: 49.138+/-82.600 χ^2/NDF: 80.4/82

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 541.597+/-0.154 χ^2/NDF: 1877874.9/16

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 599.079+/-0.168 χ^2/NDF: 1260233.1/18

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

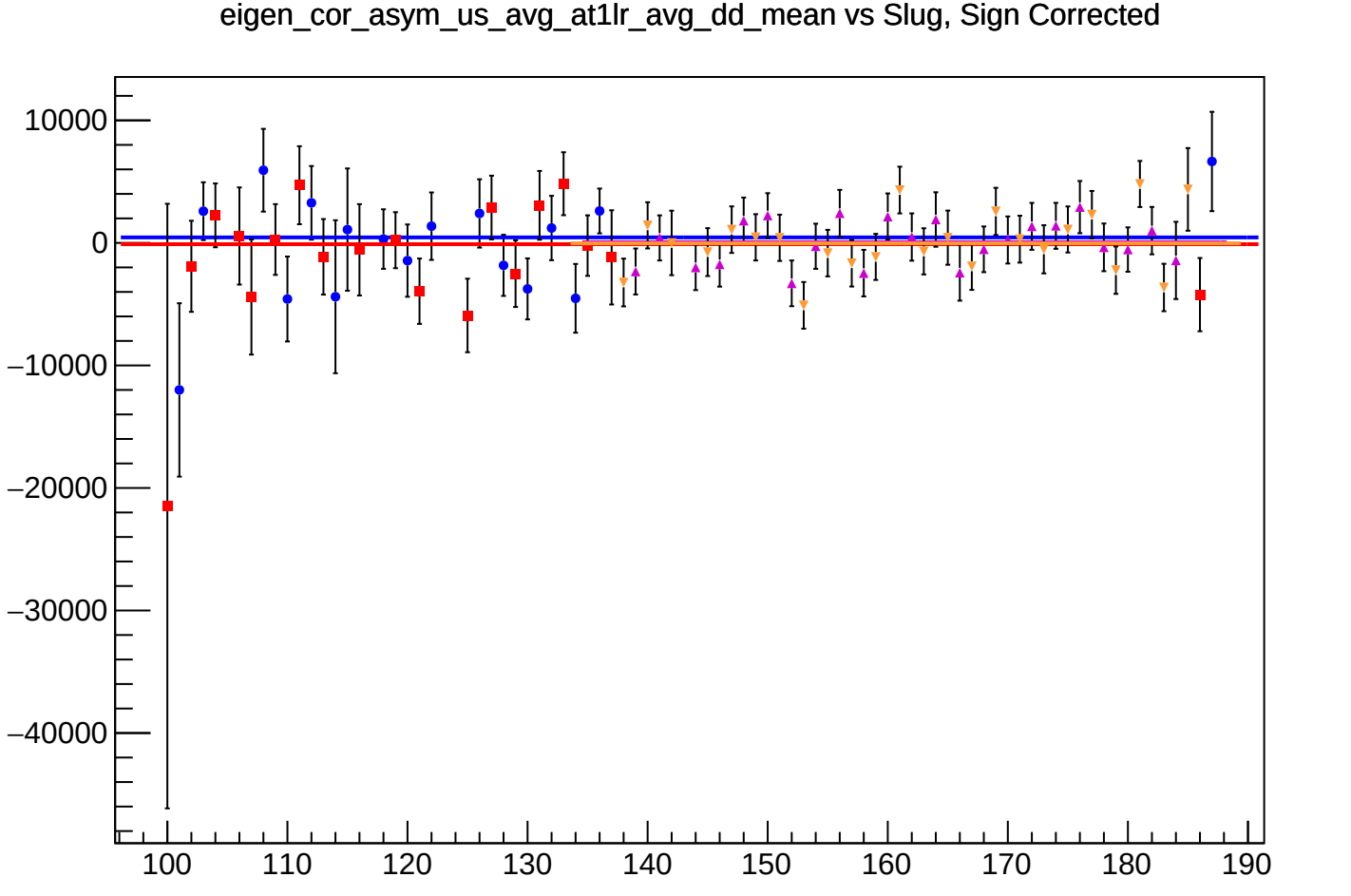
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 567.874+/-0.114 χ^2/NDF: 3201666.8/35

In: 536.410+/-0.085 χ^2/NDF:10322309.0/39

Out: 490.982+/-0.081 χ^2/NDF:13224672.7/42

All: 512.594+/-0.058 χ^2/NDF: 23697860.8/82



Right In: 449.619+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -104.674+/-694.205 χ^2/NDF: 20.0/18

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

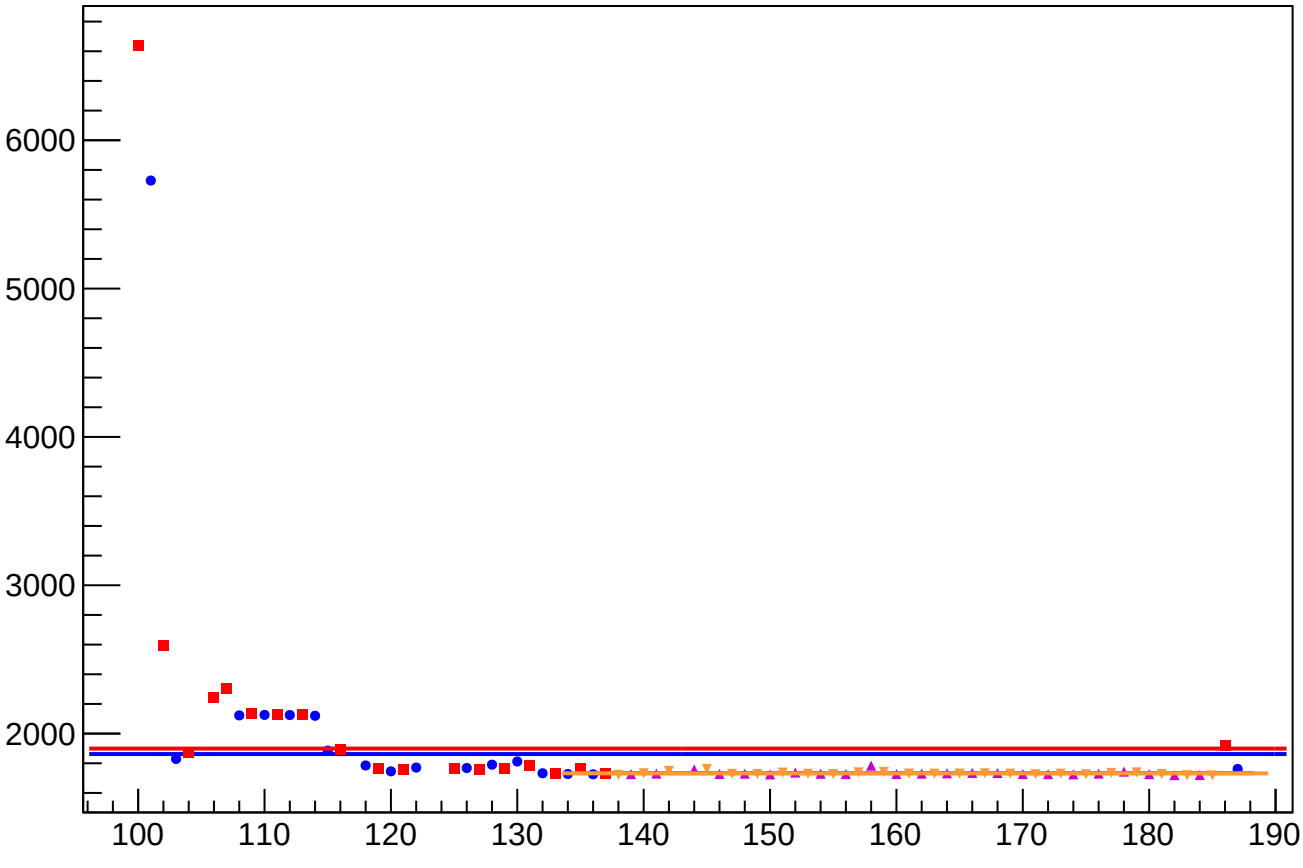
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 170.539+/-492.586 χ^2/NDF: 42.1/35

In: 152.345+/-350.245 χ^2/NDF:41.5/39

Out: -52.302+/-347.862 χ^2/NDF:55.4/42

All: 49.323+/-246.814 χ^2/NDF: 97.0/82



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1899.048+/-0.491 χ^2/NDF: 257867.1/18

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

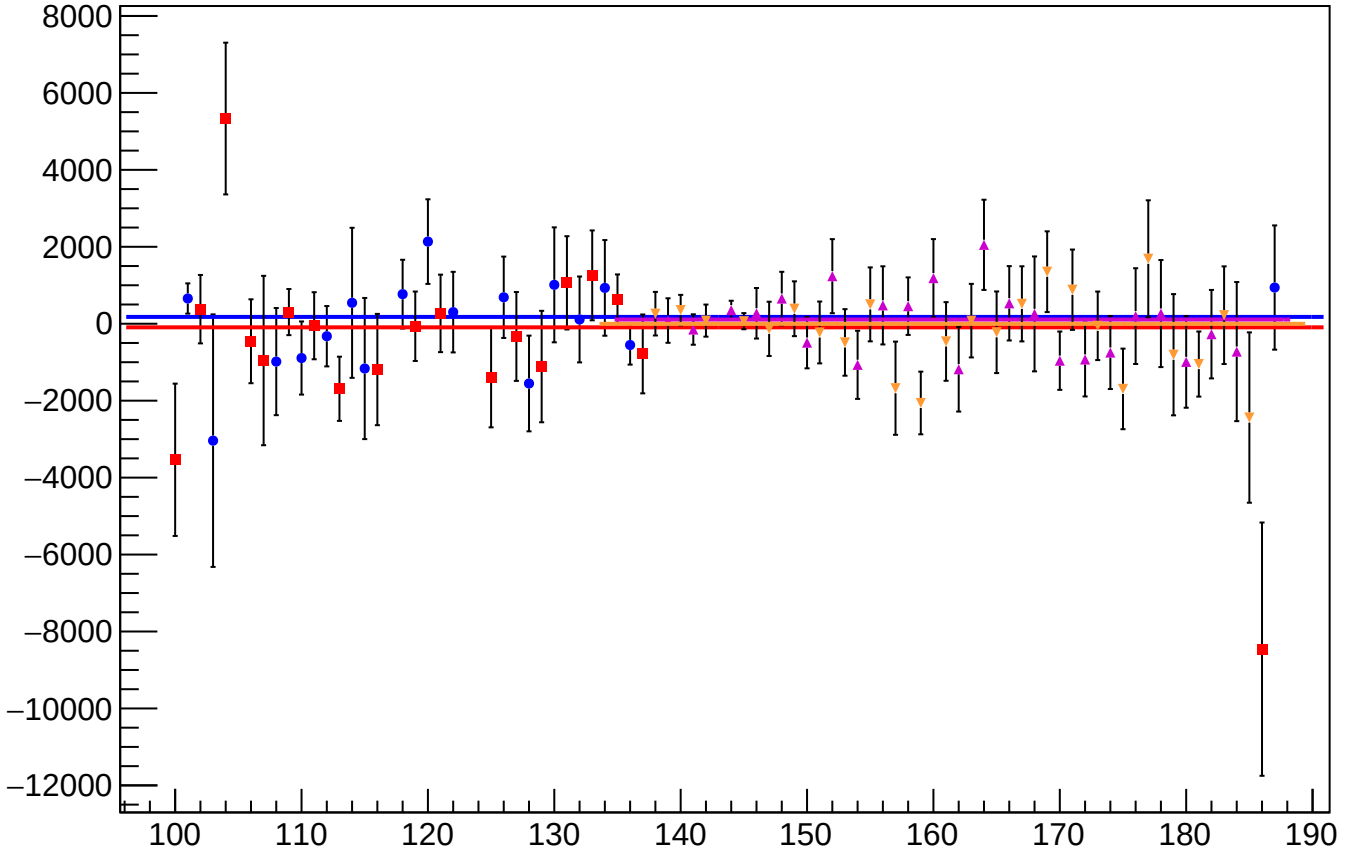
Right: 1880.699+/-0.348 χ^2/NDF: 934669.9/35

In: 1765.641+/-0.248 χ^2/NDF:727052.3/39

Out: 1773.934+/-0.246 χ^2/NDF:345548.5/42

All: 1769.816+/-0.175 χ^2/NDF: 1073165.2/82

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 177.327+/-218.010 χ^2/NDF: 14.1/16

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -93.419+/-237.577 χ^2/NDF: 27.9/18

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

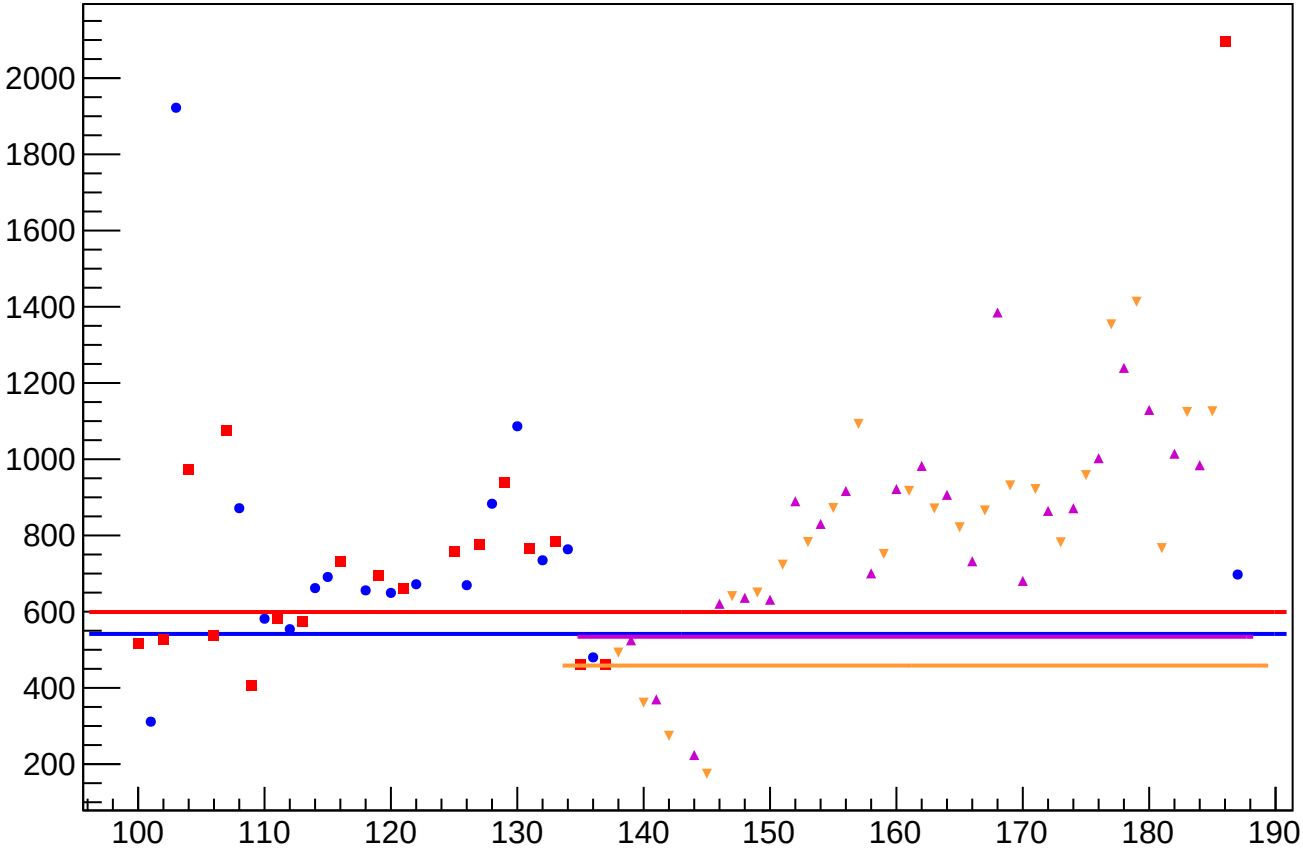
Right: 53.561+/-160.629 χ^2/NDF: 42.8/35

In: 129.169+/-119.756 χ^2/NDF:31.2/39

Out: -23.486+/-114.079 χ^2/NDF:48.3/42

All: 49.138+/-82.600 χ^2/NDF: 80.4/82

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 541.597+/-0.154 χ^2/NDF: 1877874.9/16

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 599.079+/-0.168 χ^2/NDF: 1260233.1/18

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

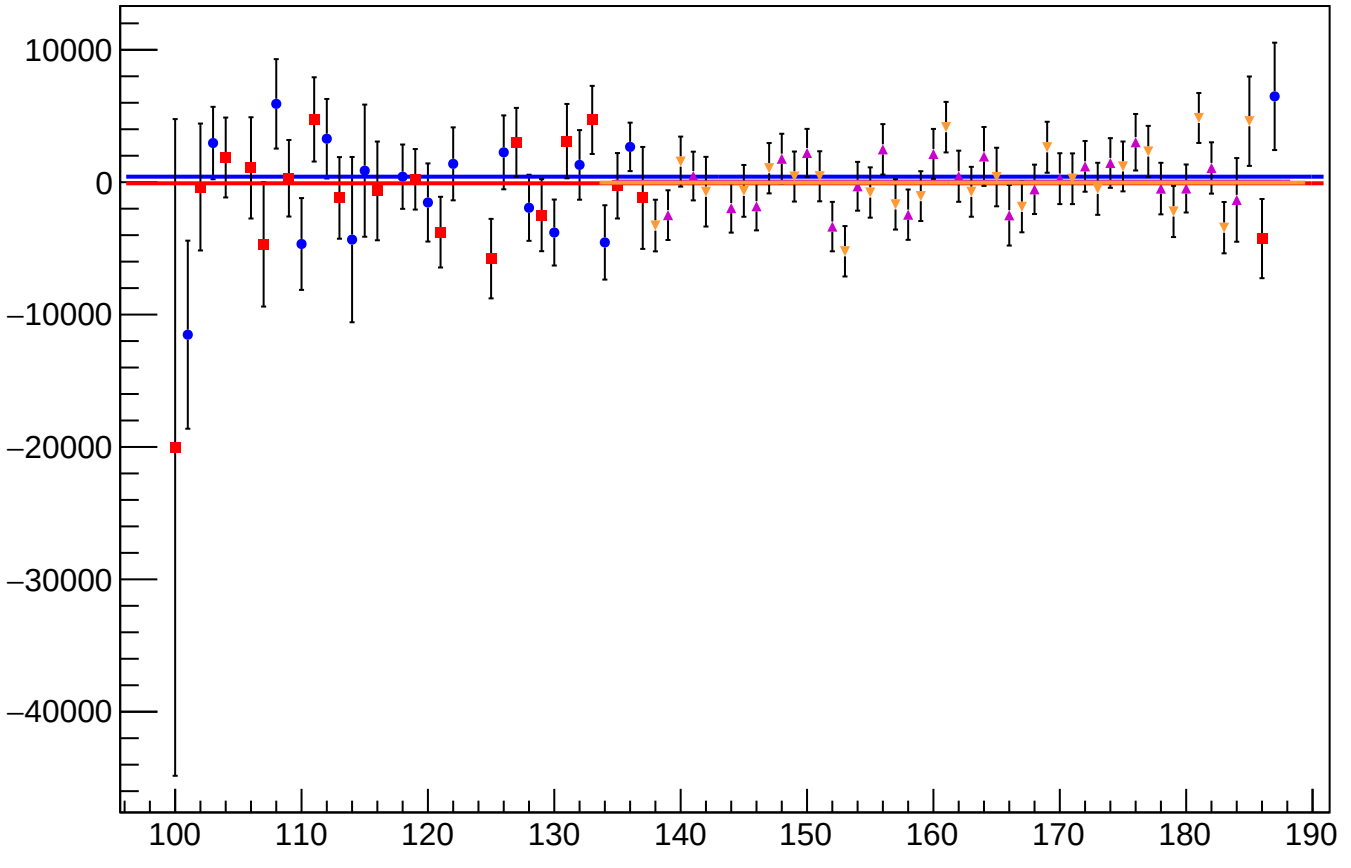
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 567.874+/-0.114 χ^2/NDF: 3201666.8/35

In: 536.410+/-0.085 χ^2/NDF:10322309.0/39

Out: 490.982+/-0.081 χ^2/NDF:13224672.7/42

All: 512.594+/-0.058 χ^2/NDF: 23697860.8/82



Right In: 416.685+/-707.537 χ^2/NDF: 21.7/16

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -82.218+/-705.331 χ^2/NDF: 19.1/18

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

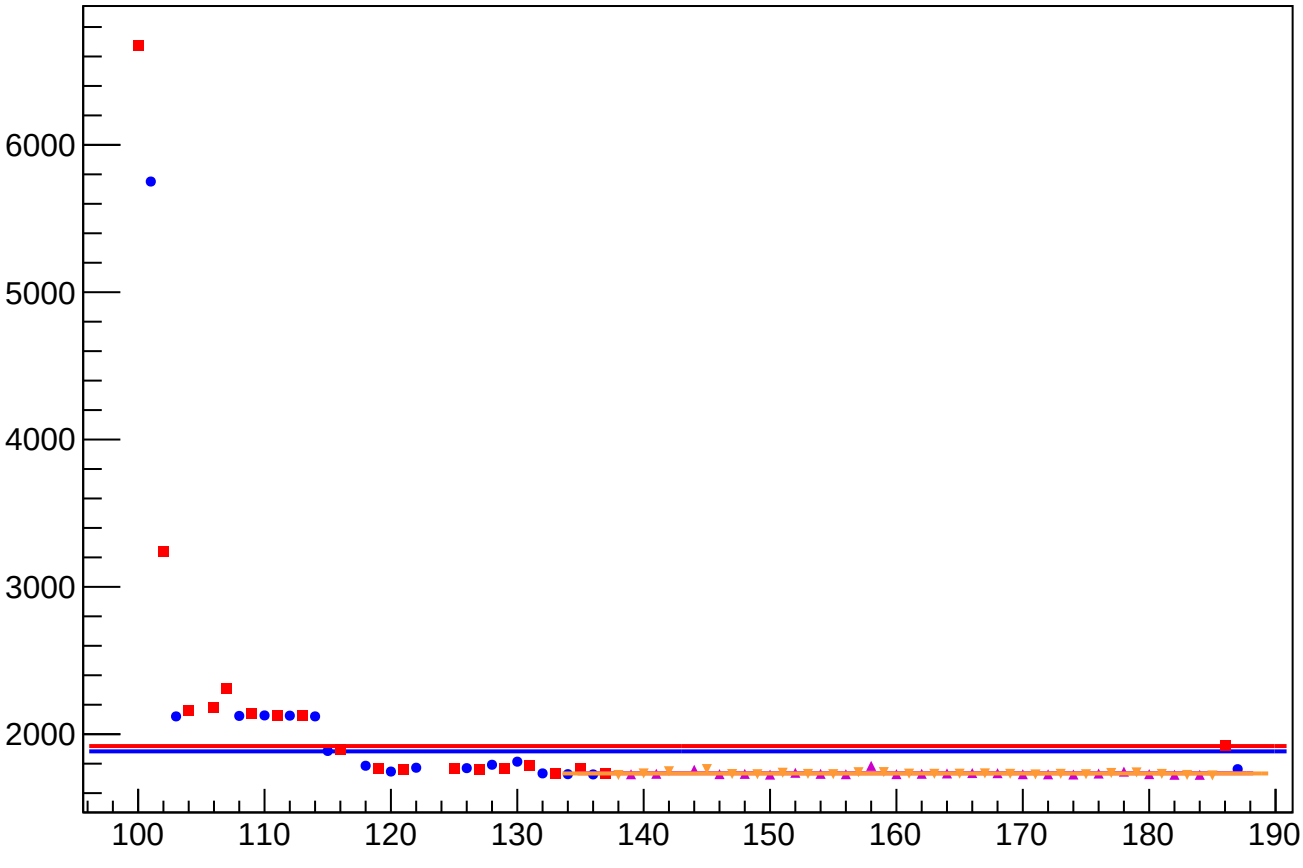
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 166.455+/-499.522 χ^2/NDF: 41.1/35

In: 134.836+/-351.524 χ^2/NDF:41.8/39

Out: -42.357+/-349.465 χ^2/NDF:54.5/42

All: 45.719+/-247.834 χ^2/NDF: 96.5/82



Right In: 1883.517+/-0.500 χ^2/NDF: 691273.4/16

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1919.444+/-0.499 χ^2/NDF: 352572.5/18

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

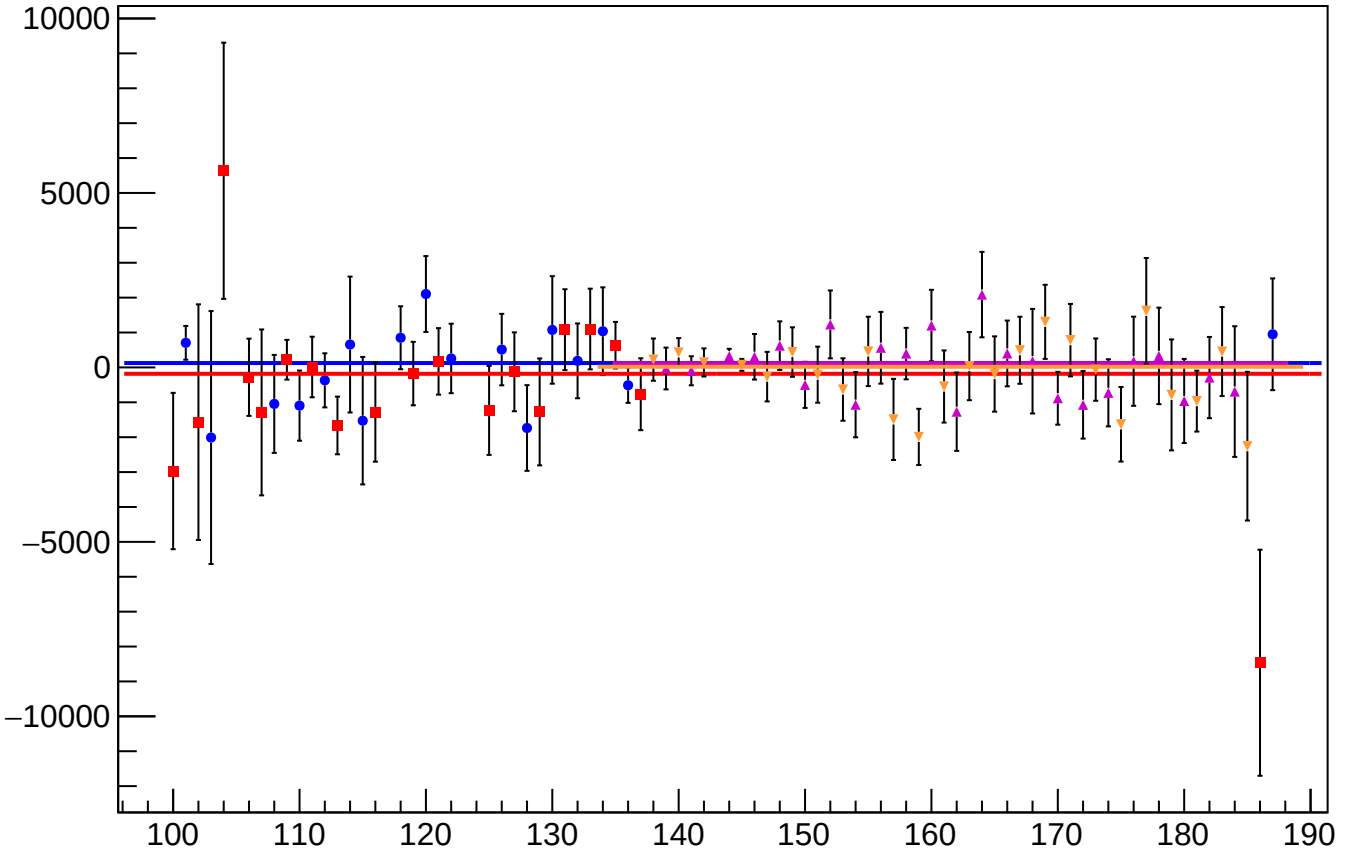
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1901.537+/-0.353 χ^2/NDF: 1046432.3/35

In: 1771.516+/-0.249 χ^2/NDF:759989.6/39

Out: 1779.130+/-0.247 χ^2/NDF:458375.3/42

All: 1775.346+/-0.175 χ^2/NDF: 1218836.8/82



Right In: 125.375+/-229.322 χ^2/NDF: 14.4/16

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -183.075+/-245.228 χ^2/NDF: 20.9/18

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

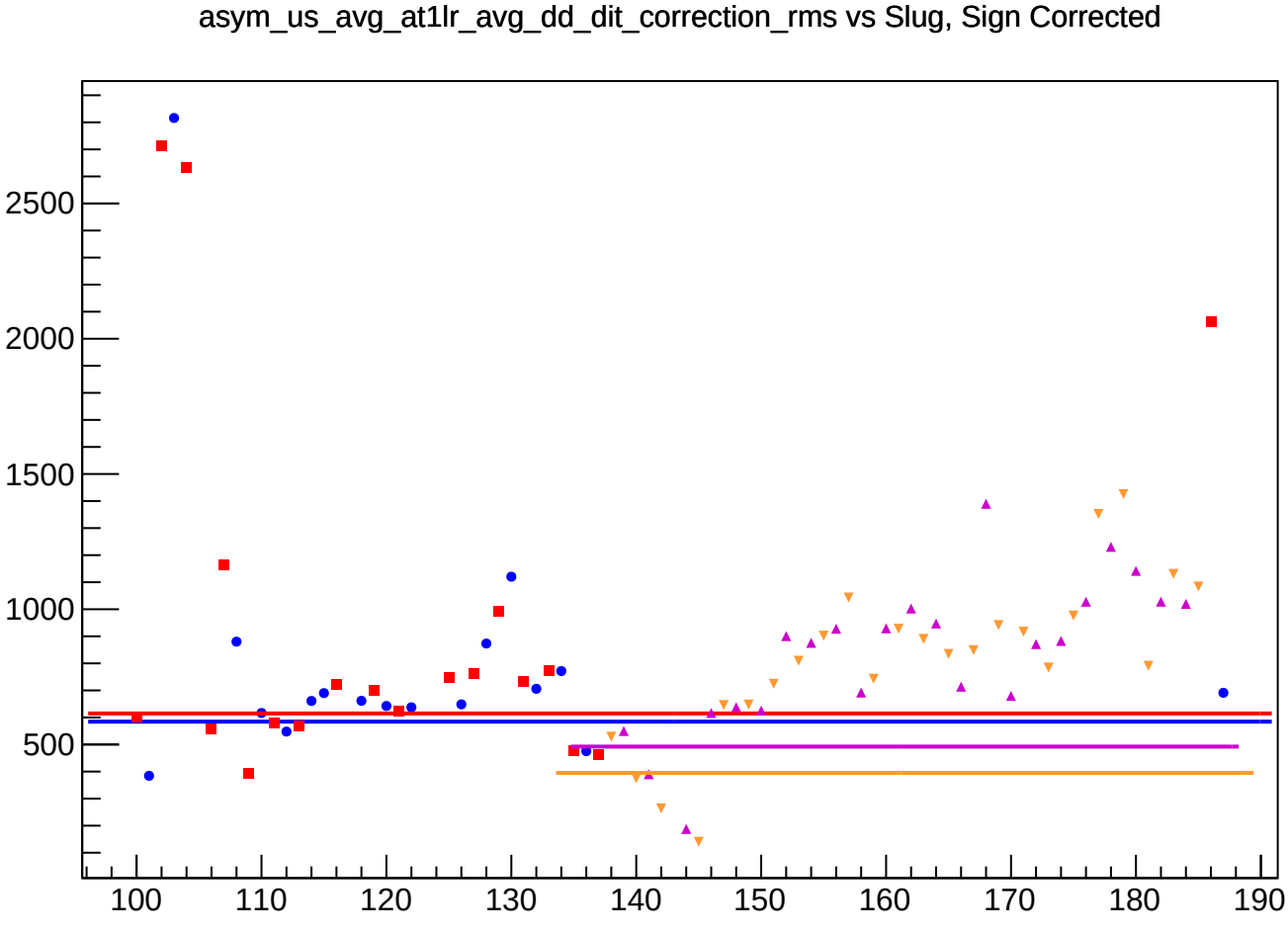
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

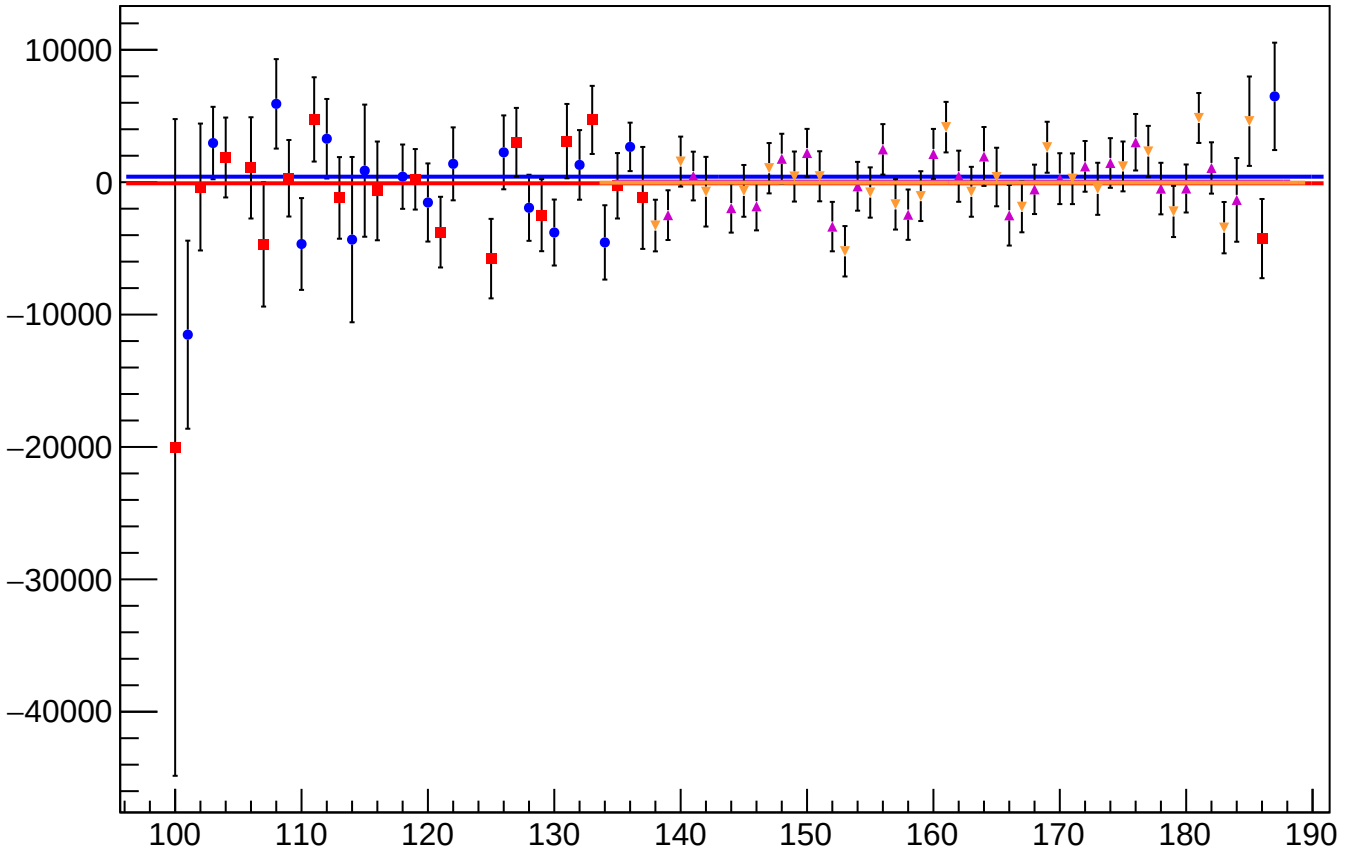
Right: -18.523+/-167.496 χ^2/NDF: 36.2/35

In: 122.672+/-117.705 χ^2/NDF:30.9/39

Out: -20.476+/-107.303 χ^2/NDF:40.9/42

All: 44.494+/-79.298 χ^2/NDF: 72.6/82


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 584.503+/-0.162 χ²/NDF: 1763358.2/16
Left Out: 395.188+/-0.084 χ²/NDF:14334419.9/23
Right Out: 614.806+/-0.173 χ²/NDF: 2601293.4/18
Left In: 492.294+/-0.097 χ²/NDF:10419498.8/22
Left: 437.028+/-0.064 χ²/NDF: 25324537.7/46
Right: 598.640+/-0.118 χ²/NDF: 4380943.0/35
In: 516.587+/-0.083 χ²/NDF:12421026.2/39
Out: 437.237+/-0.076 χ²/NDF:18232666.9/42
All: 473.251+/-0.056 χ²/NDF: 31150094.3/82



Right In: 416.685+/-707.537 χ^2/NDF: 21.7/16

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -82.216+/-705.331 χ^2/NDF: 19.1/18

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

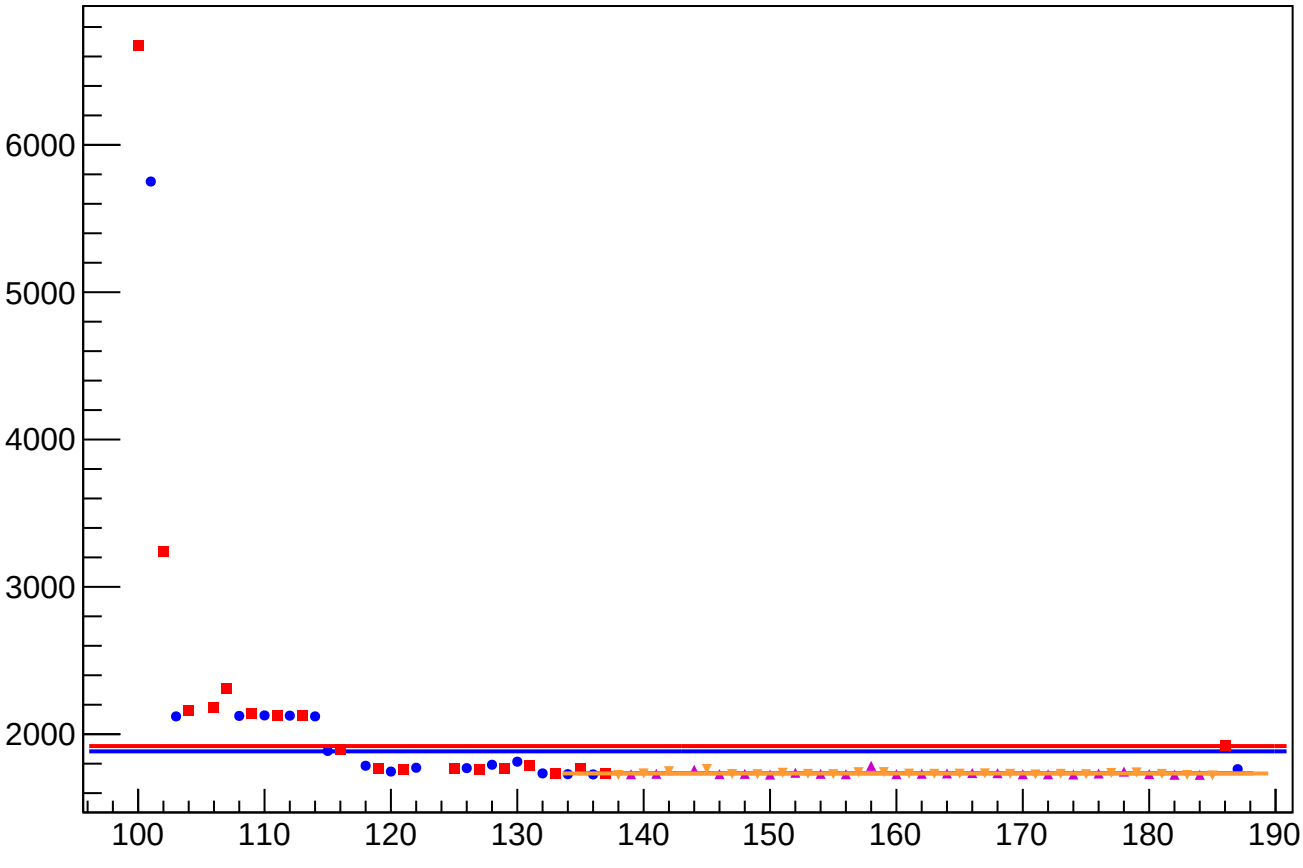
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 166.456+/-499.522 χ^2/NDF: 41.1/35

In: 134.837+/-351.524 χ^2/NDF:41.8/39

Out: -42.359+/-349.465 χ^2/NDF:54.5/42

All: 45.718+/-247.834 χ^2/NDF: 96.5/82



Right In: 1883.517+/-0.500 χ^2/NDF: 691273.1/16

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1919.444+/-0.499 χ^2/NDF: 352571.8/18

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

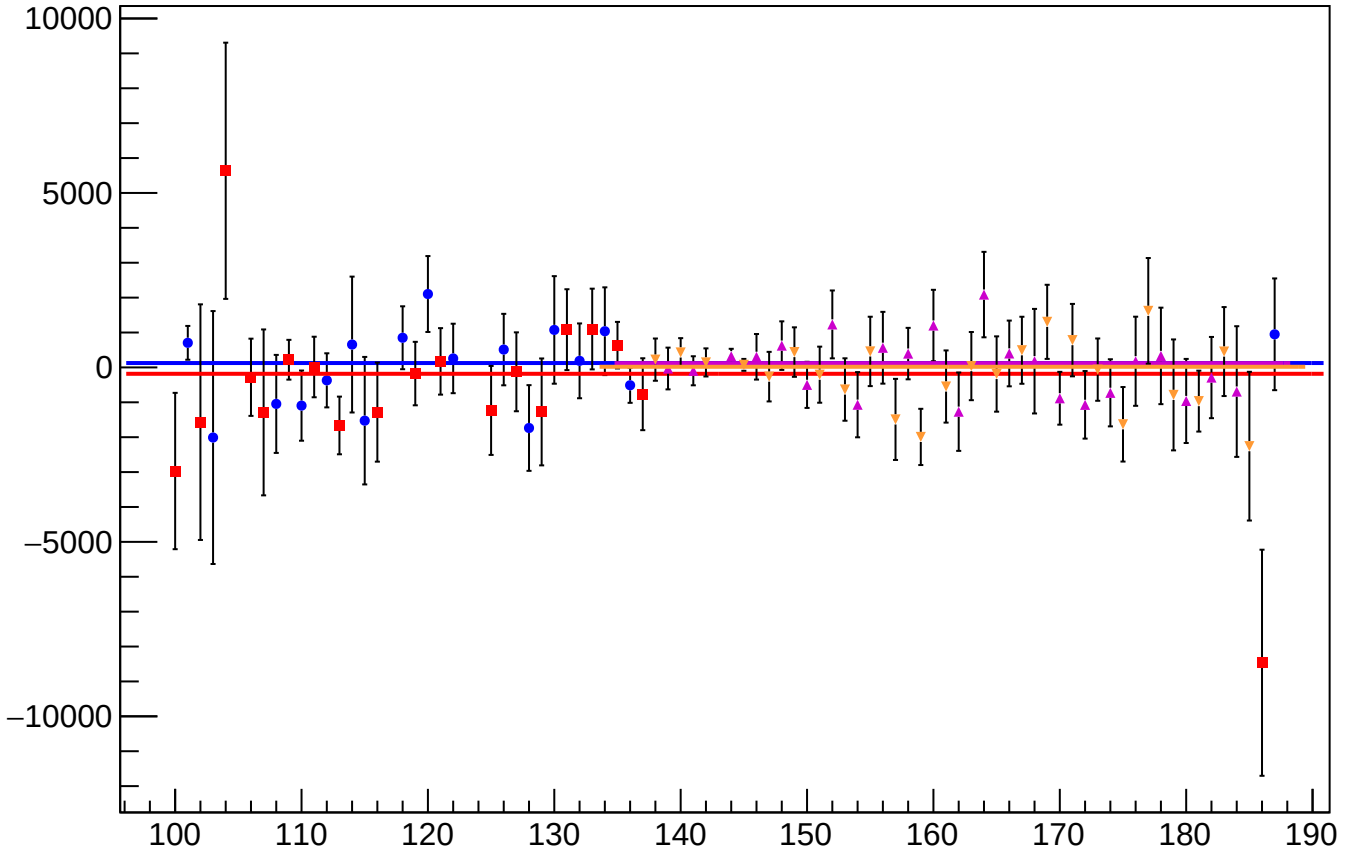
Right: 1901.537+/-0.353 χ^2/NDF: 1046431.3/35

In: 1771.516+/-0.249 χ^2/NDF:759989.3/39

Out: 1779.130+/-0.247 χ^2/NDF:458374.4/42

All: 1775.346+/-0.175 χ^2/NDF: 1218835.5/82

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 125.372+/-229.321 χ^2/NDF: 14.4/16

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -183.073+/-245.226 χ^2/NDF: 20.9/18

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

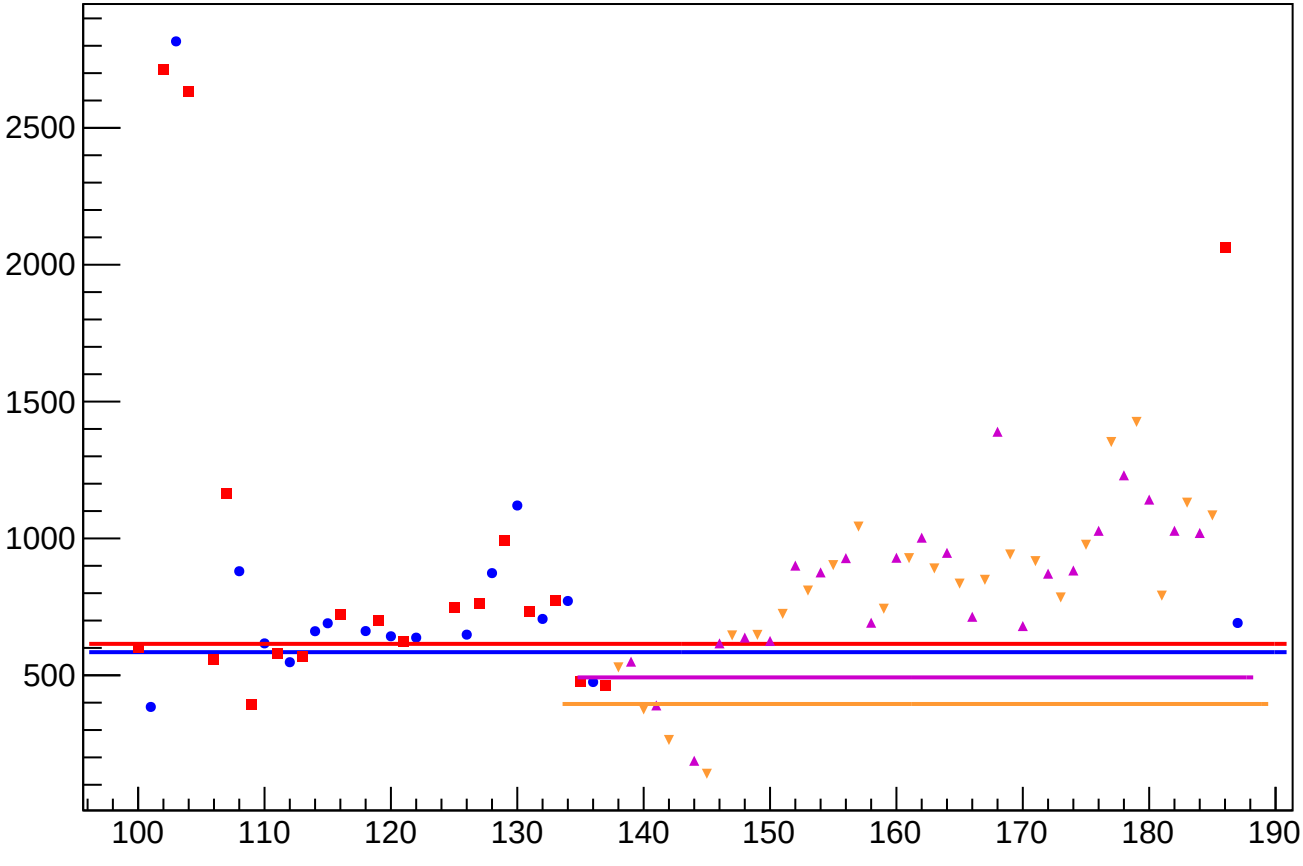
Right: -18.524+/-167.496 χ^2/NDF: 36.2/35

In: 122.672+/-117.705 χ^2/NDF:30.9/39

Out: -20.478+/-107.303 χ^2/NDF:40.9/42

All: 44.493+/-79.298 χ^2/NDF: 72.6/82

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 584.501+/-0.162 χ^2/NDF: 1763345.9/16

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 614.802+/-0.173 χ^2/NDF: 2601310.1/18

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

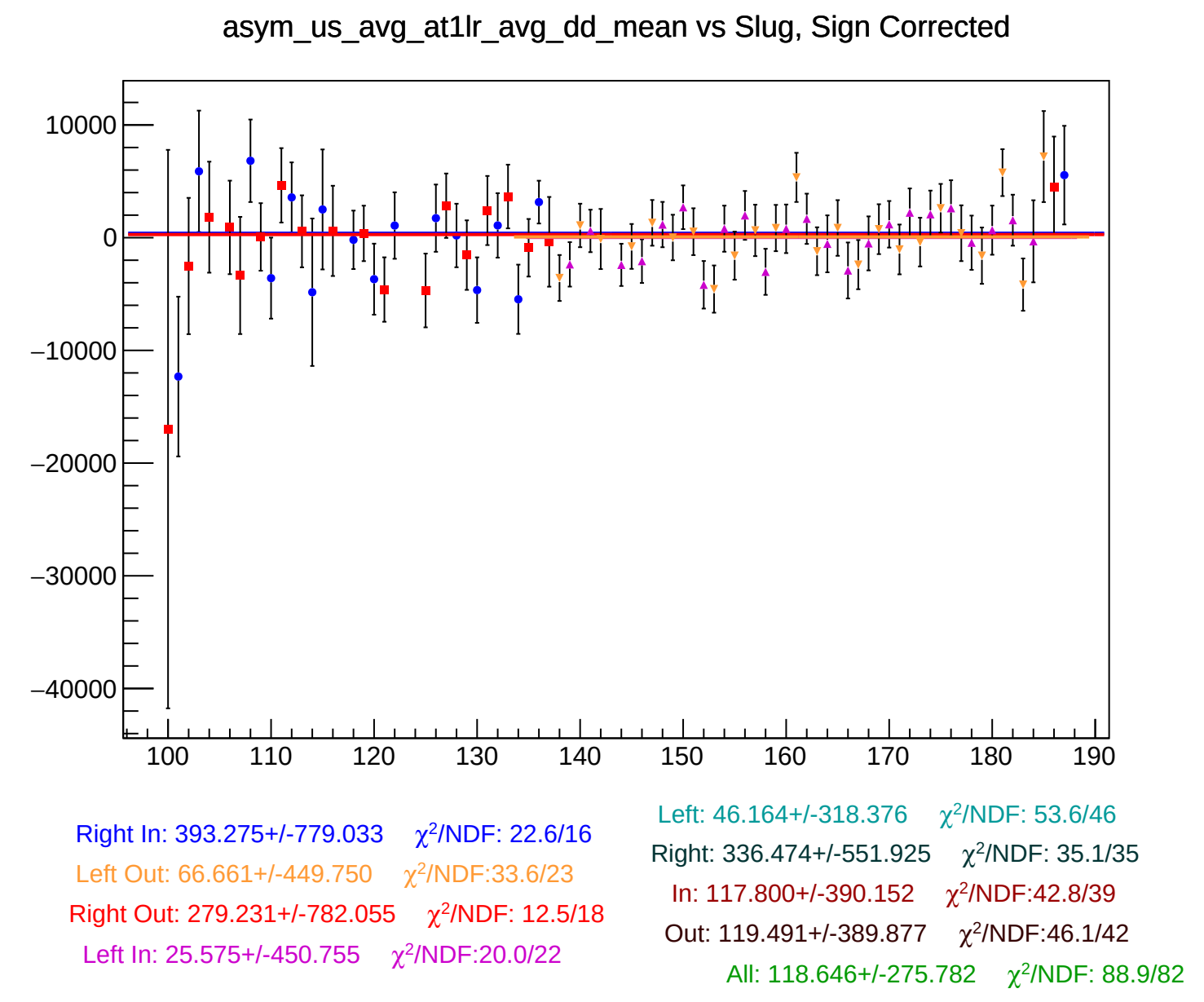
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

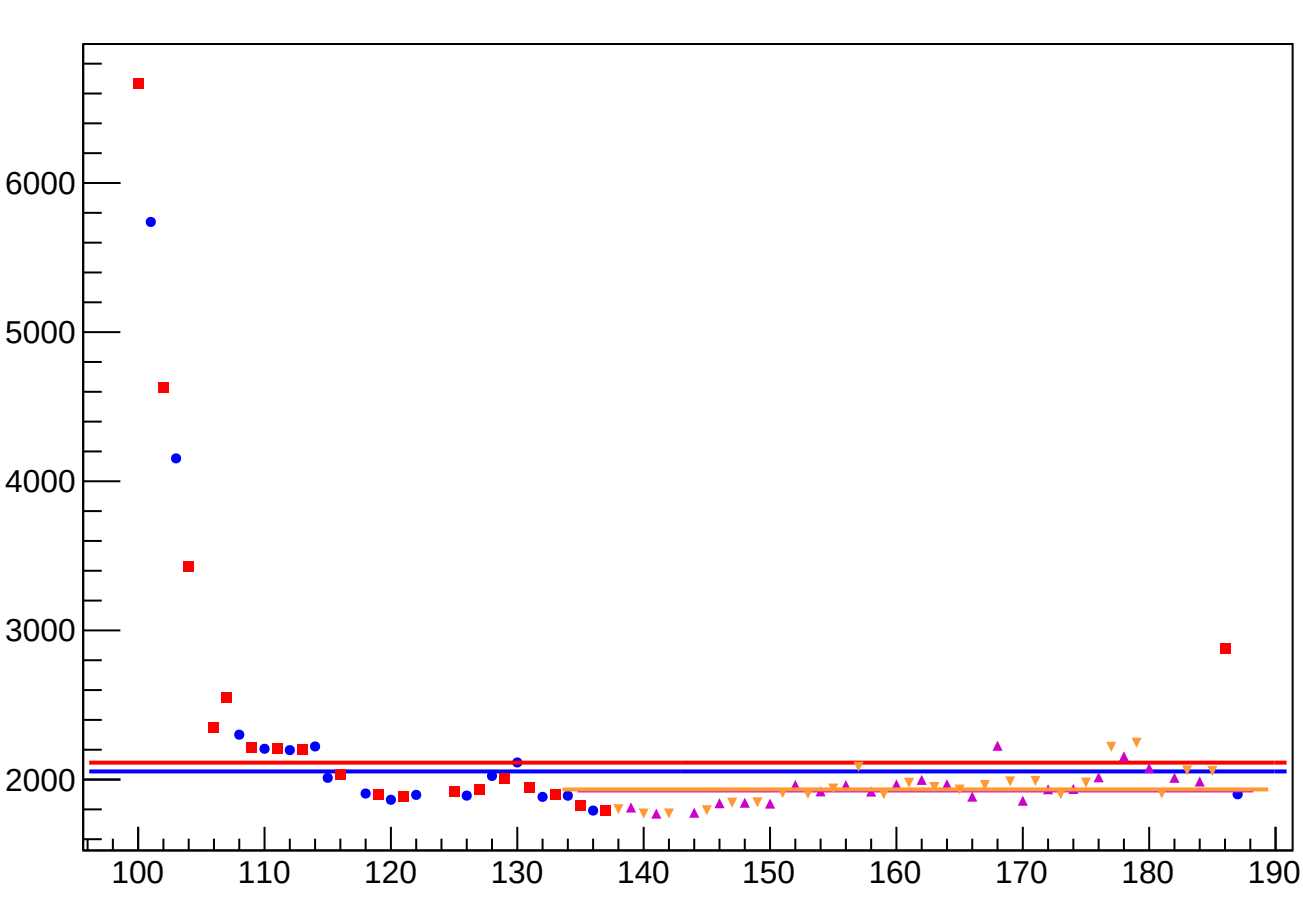
Right: 598.637+/-0.118 χ^2/NDF: 4380945.5/35

In: 516.587+/-0.083 χ^2/NDF:12421026.3/39

Out: 437.236+/-0.076 χ^2/NDF:18232694.4/42

All: 473.251+/-0.056 χ^2/NDF: 31150128.0/82


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 393.275+/-779.033 χ²/NDF: 22.6/16
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 279.231+/-782.055 χ²/NDF: 12.5/18
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 336.474+/-551.925 χ²/NDF: 35.1/35
In: 117.800+/-390.152 χ²/NDF:42.8/39
Out: 119.491+/-389.877 χ²/NDF:46.1/42
All: 118.646+/-275.782 χ²/NDF: 88.9/82



Right In: 2054.483+/-0.551 χ^2/NDF: 942404.5/16

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2113.473+/-0.553 χ^2/NDF: 741725.9/18

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

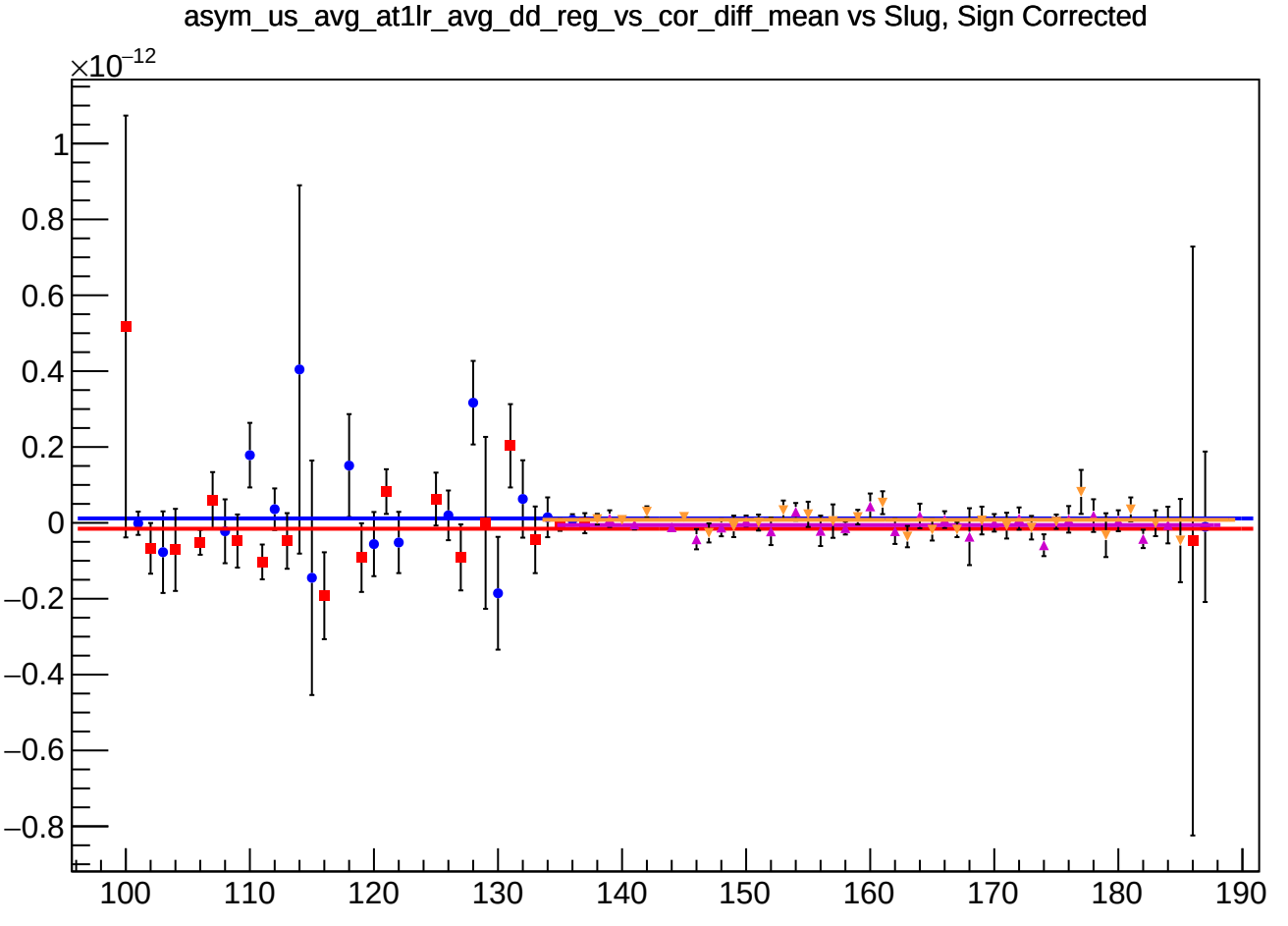
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

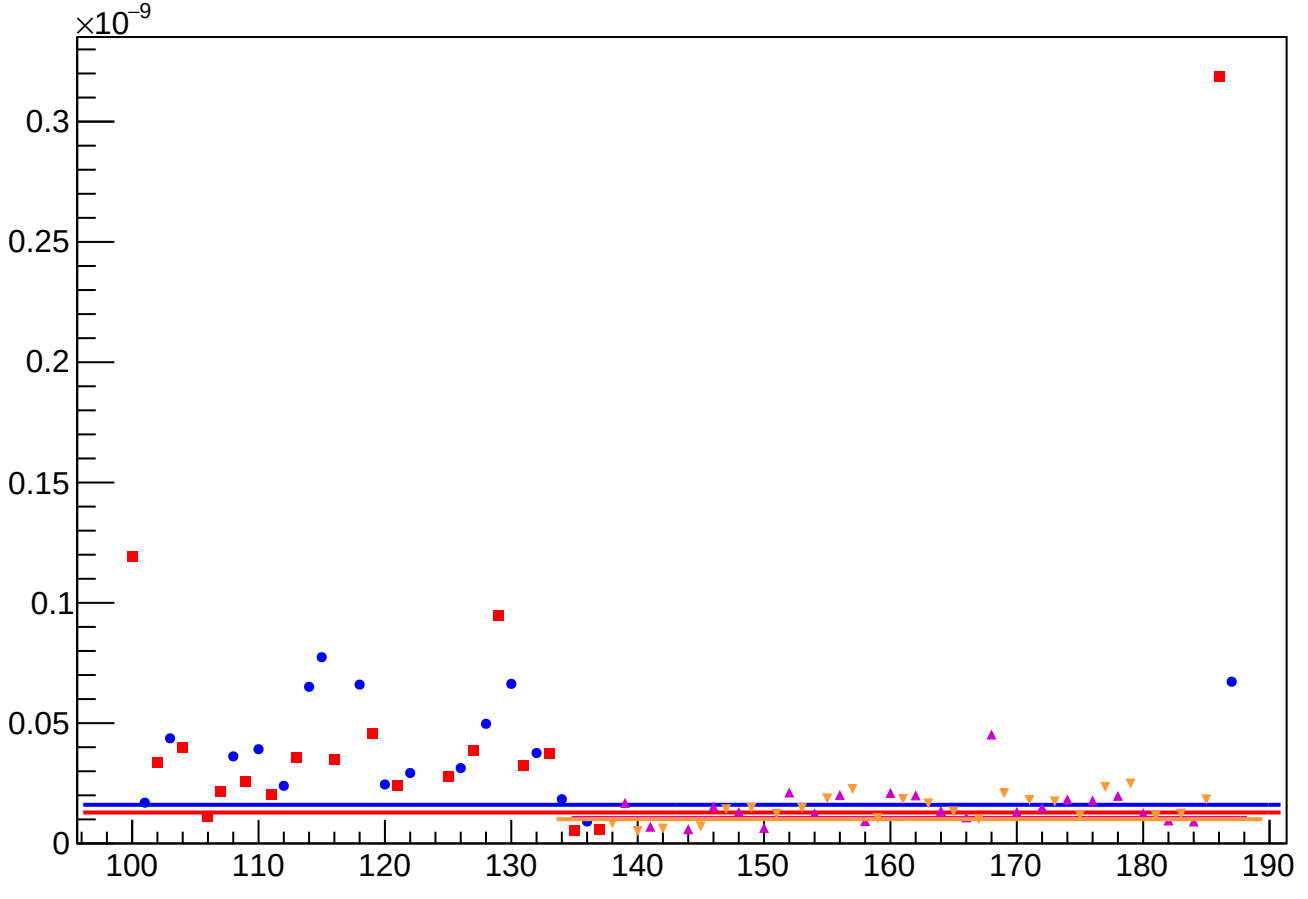
Right: 2083.864+/-0.390 χ^2/NDF: 1689842.0/35

In: 1959.069+/-0.276 χ^2/NDF:1098886.4/39

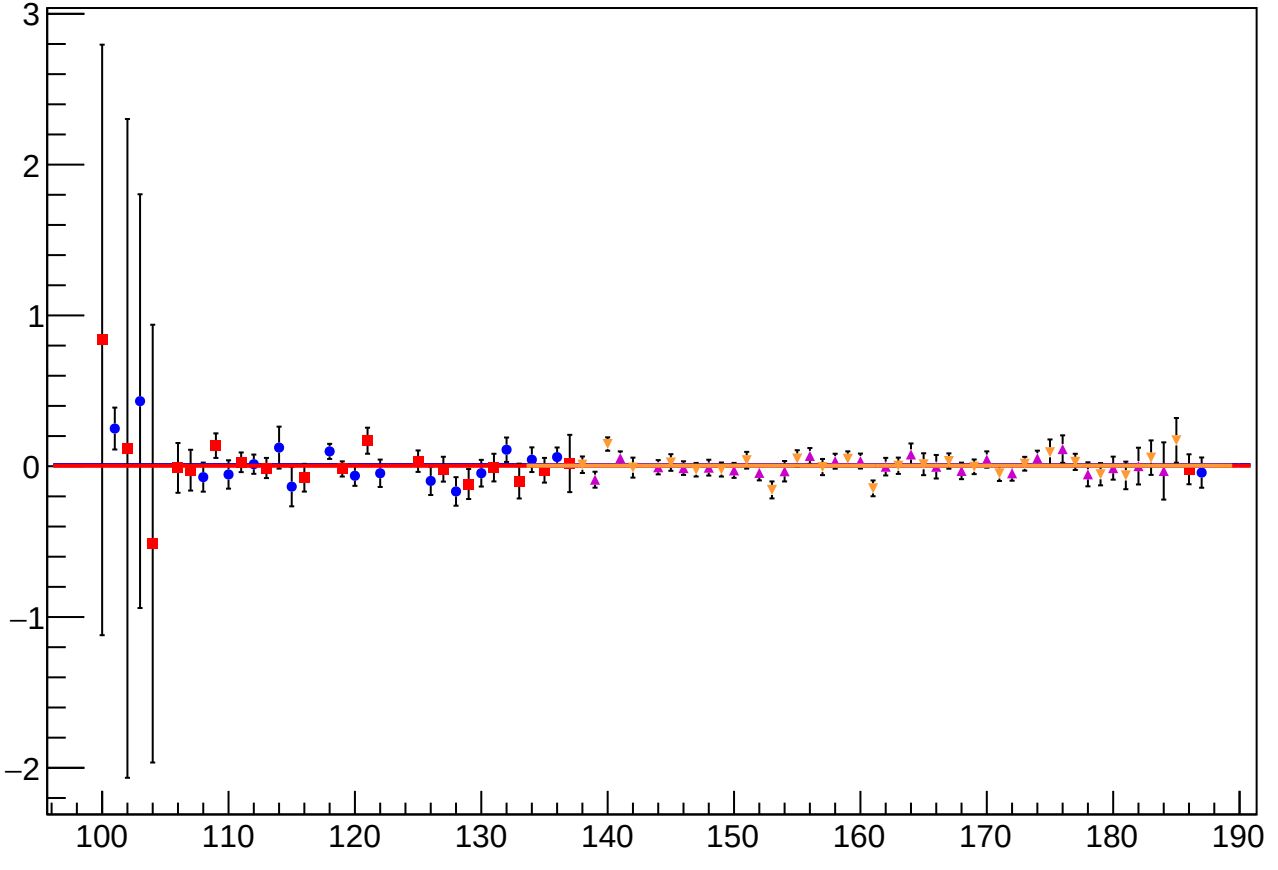
Out: 1978.458+/-0.276 χ^2/NDF:949583.2/42

All: 1968.770+/-0.195 χ^2/NDF: 2050941.0/82


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 18.1/16
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/18
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: 0.000+/-0.000 χ²/NDF: 38.9/46
Right: -0.000+/-0.000 χ²/NDF: 41.8/35
In: -0.000+/-0.000 χ²/NDF:36.8/39
Out: 0.000+/-0.000 χ²/NDF:42.2/42
All: 0.000+/-0.000 χ²/NDF: 80.9/82


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2069081.3/16
Left Out: 0.000+/-0.000 χ²/NDF:2274817.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 2796987.9/18
Left In: 0.000+/-0.000 χ²/NDF:2578668.0/22
Left: 0.000+/-0.000 χ²/NDF: 4866060.2/46
Right: 0.000+/-0.000 χ²/NDF: 4949160.9/35
In: 0.000+/-0.000 χ²/NDF:5038137.9/39
Out: 0.000+/-0.000 χ²/NDF:5187947.2/42
All: 0.000+/-0.000 χ²/NDF: 10266628.6/82

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.003+/-0.021 χ^2/NDF: 10.6/18

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

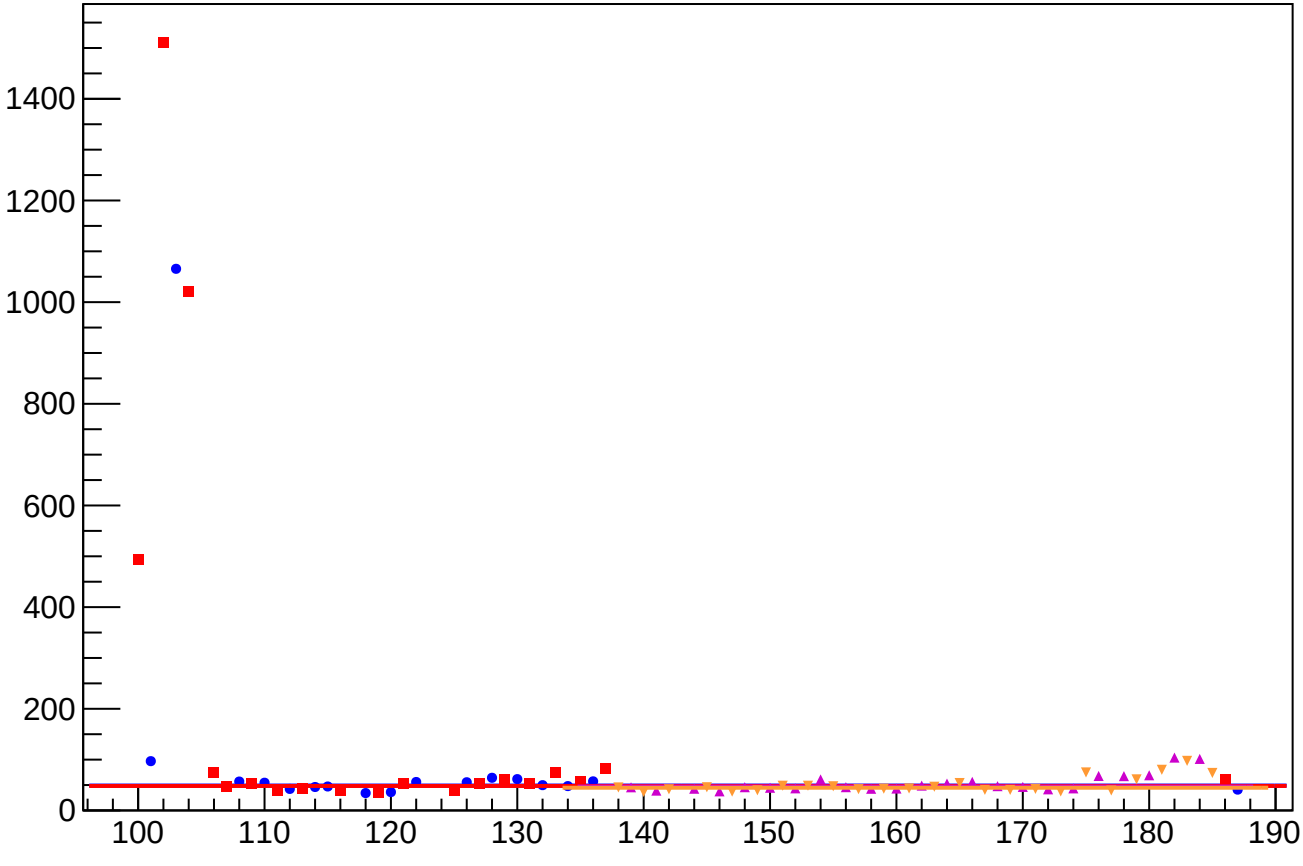
Right: 0.005+/-0.015 χ^2/NDF: 29.3/35

In: 0.004+/-0.010 χ^2/NDF:33.2/39

Out: 0.004+/-0.010 χ^2/NDF:45.6/42

All: 0.004+/-0.007 χ^2/NDF: 78.8/82

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.984+/-0.015 χ^2/NDF: 1790256.6/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 48.199+/-0.015 χ^2/NDF: 2453131.1/18

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

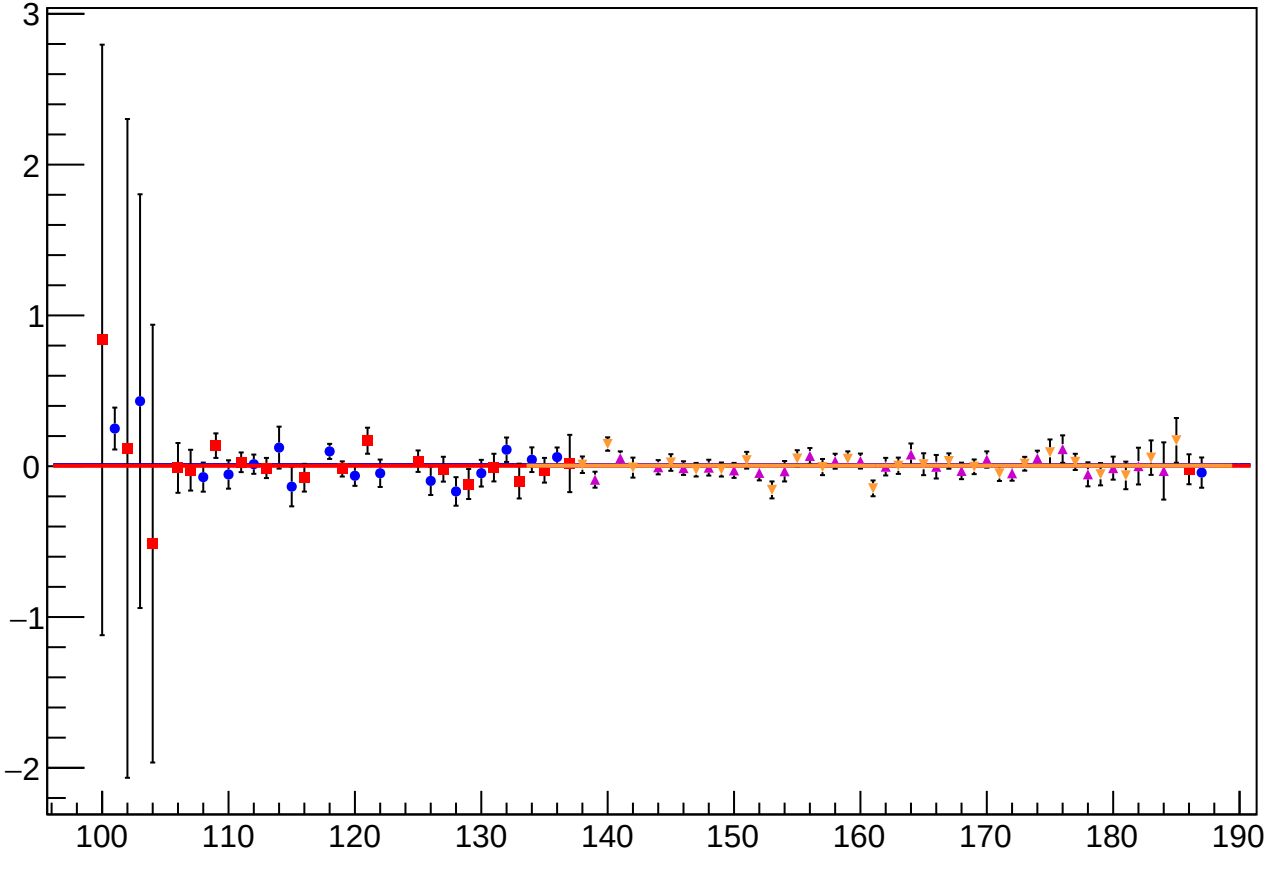
Right: 48.601+/-0.010 χ^2/NDF: 4244816.7/35

In: 47.527+/-0.007 χ^2/NDF:3186819.2/39

Out: 45.533+/-0.007 χ^2/NDF:3976458.7/42

All: 46.508+/-0.005 χ^2/NDF: 7201426.3/82

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.003+/-0.021 χ^2/NDF: 10.6/18

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

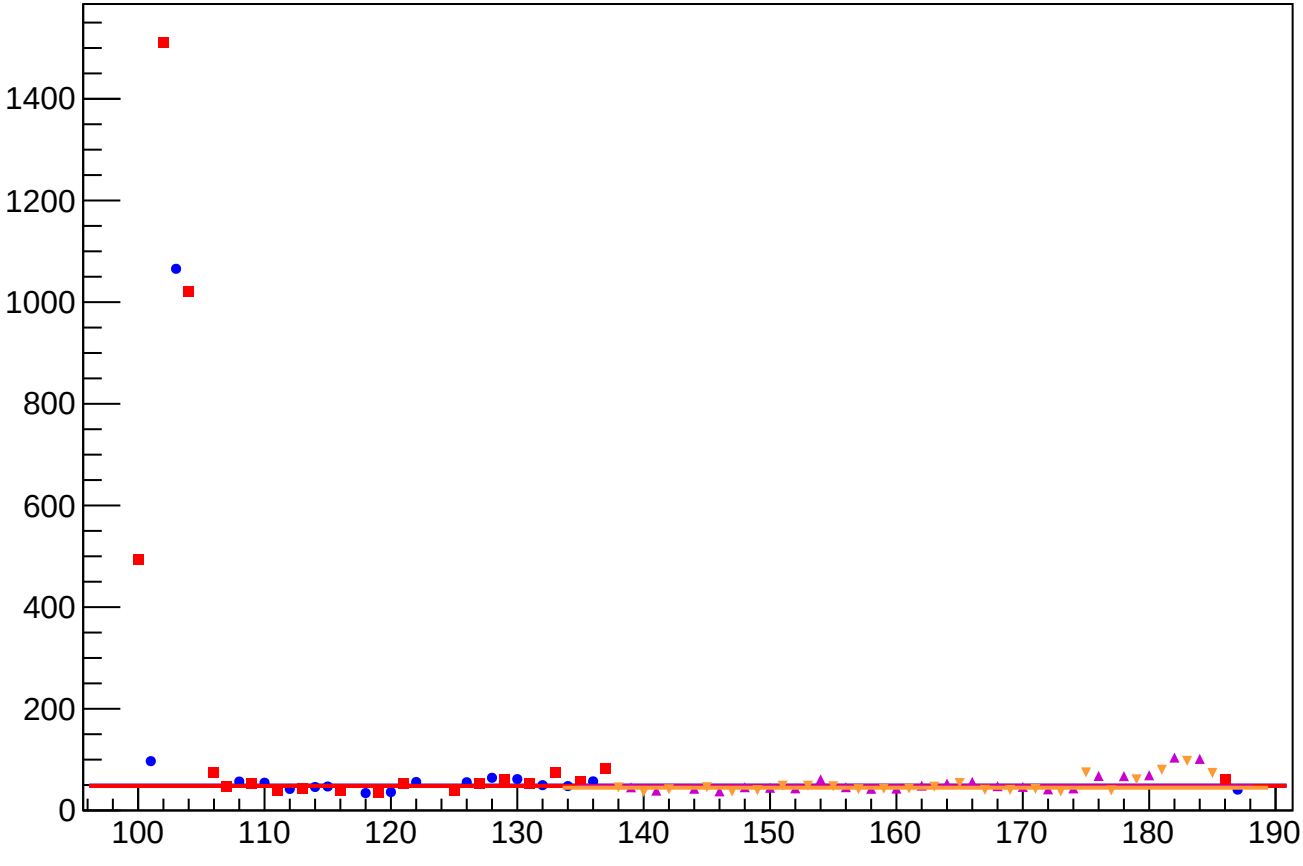
Right: 0.005+/-0.015 χ^2/NDF: 29.3/35

In: 0.004+/-0.010 χ^2/NDF:33.2/39

Out: 0.004+/-0.010 χ^2/NDF:45.6/42

All: 0.004+/-0.007 χ^2/NDF: 78.8/82

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.984+/-0.015 χ^2/NDF: 1790256.6/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 48.199+/-0.015 χ^2/NDF: 2453131.1/18

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

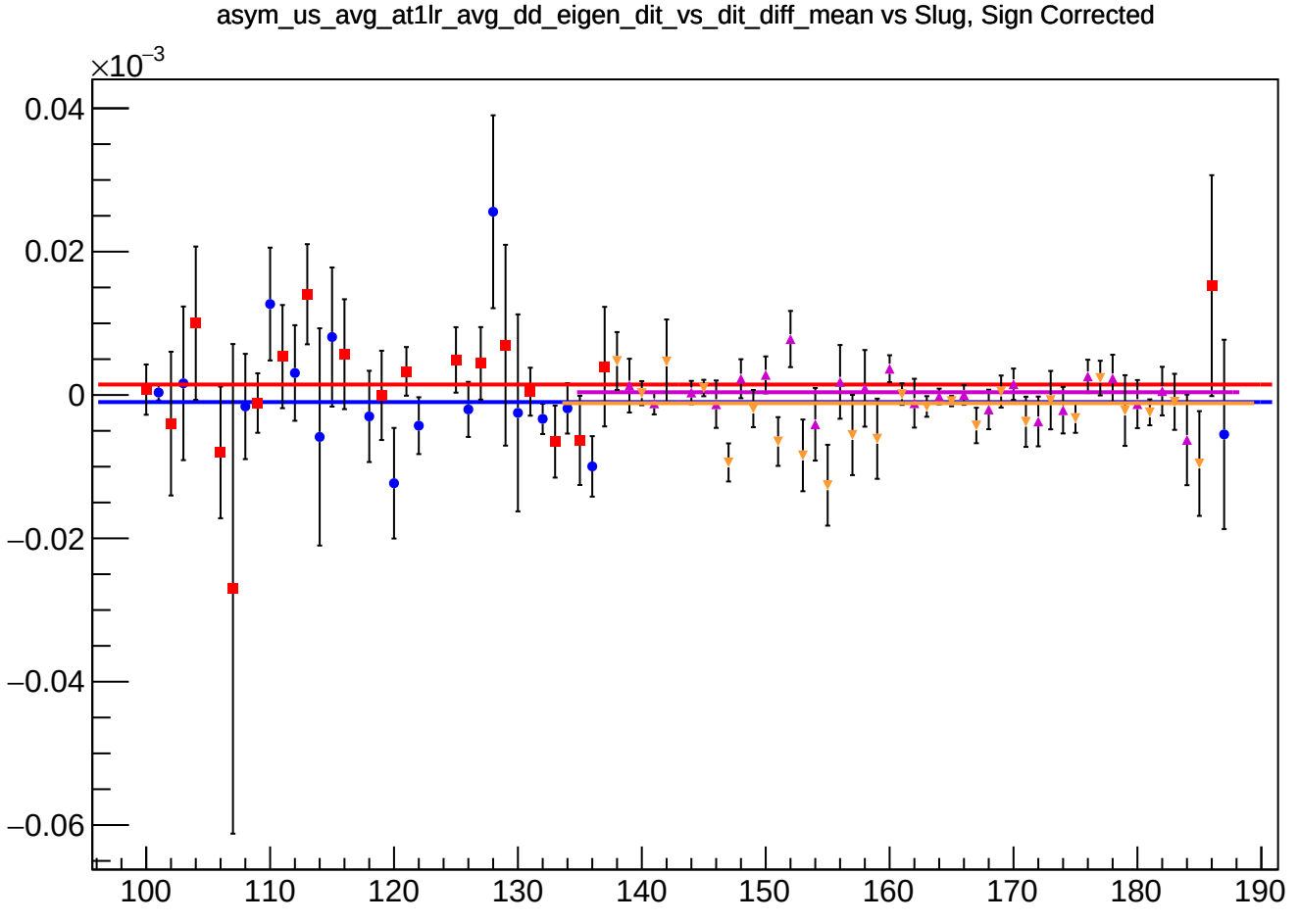
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 48.601+/-0.010 χ^2/NDF: 4244816.7/35

In: 47.527+/-0.007 χ^2/NDF:3186819.2/39

Out: 45.533+/-0.007 χ^2/NDF:3976458.7/42

All: 46.508+/-0.005 χ^2/NDF: 7201426.3/82



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

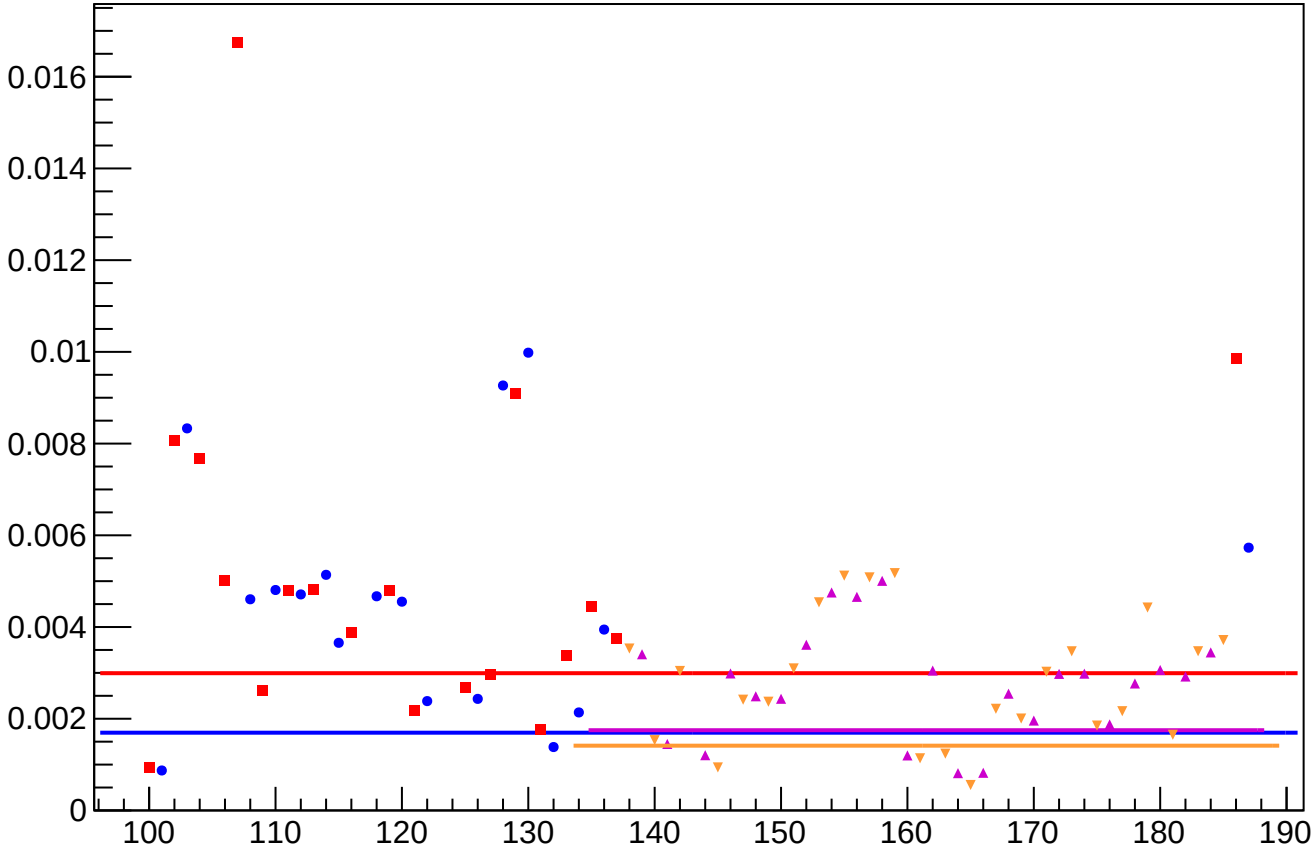
Right: -0.000+/-0.000 χ^2/NDF: 34.8/35

In: 0.000+/-0.000 χ^2/NDF:37.1/39

Out: -0.000+/-0.000 χ^2/NDF:52.9/42

All: -0.000+/-0.000 χ^2/NDF: 92.6/82

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: 6147693.0/16

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 3778236.6/18

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

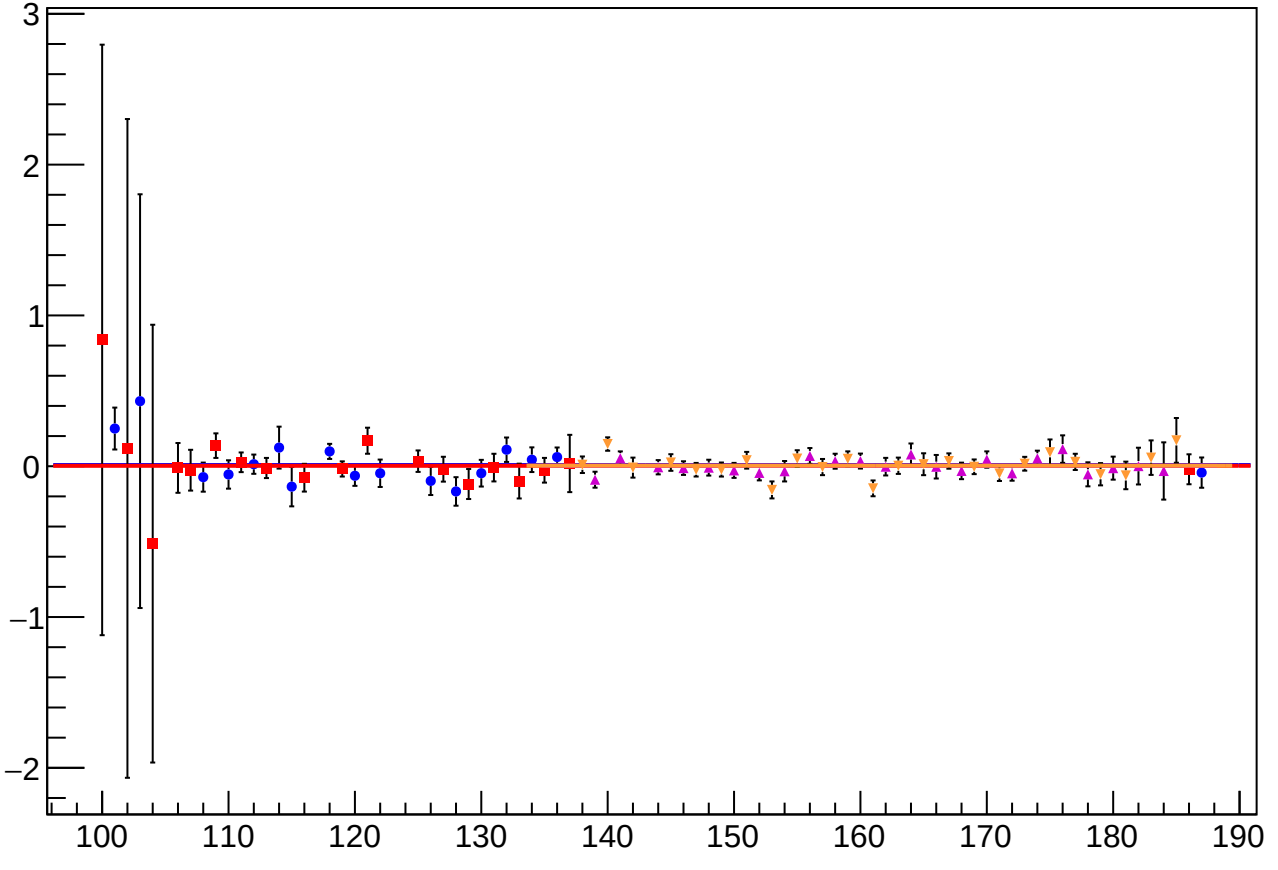
Right: 0.002+/-0.000 χ^2/NDF: 11366770.7/35

In: 0.002+/-0.000 χ^2/NDF:14392922.1/39

Out: 0.002+/-0.000 χ^2/NDF:18111190.6/42

All: 0.002+/-0.000 χ^2/NDF: 32693428.3/82

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.003+/-0.021 χ^2/NDF: 10.6/18

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

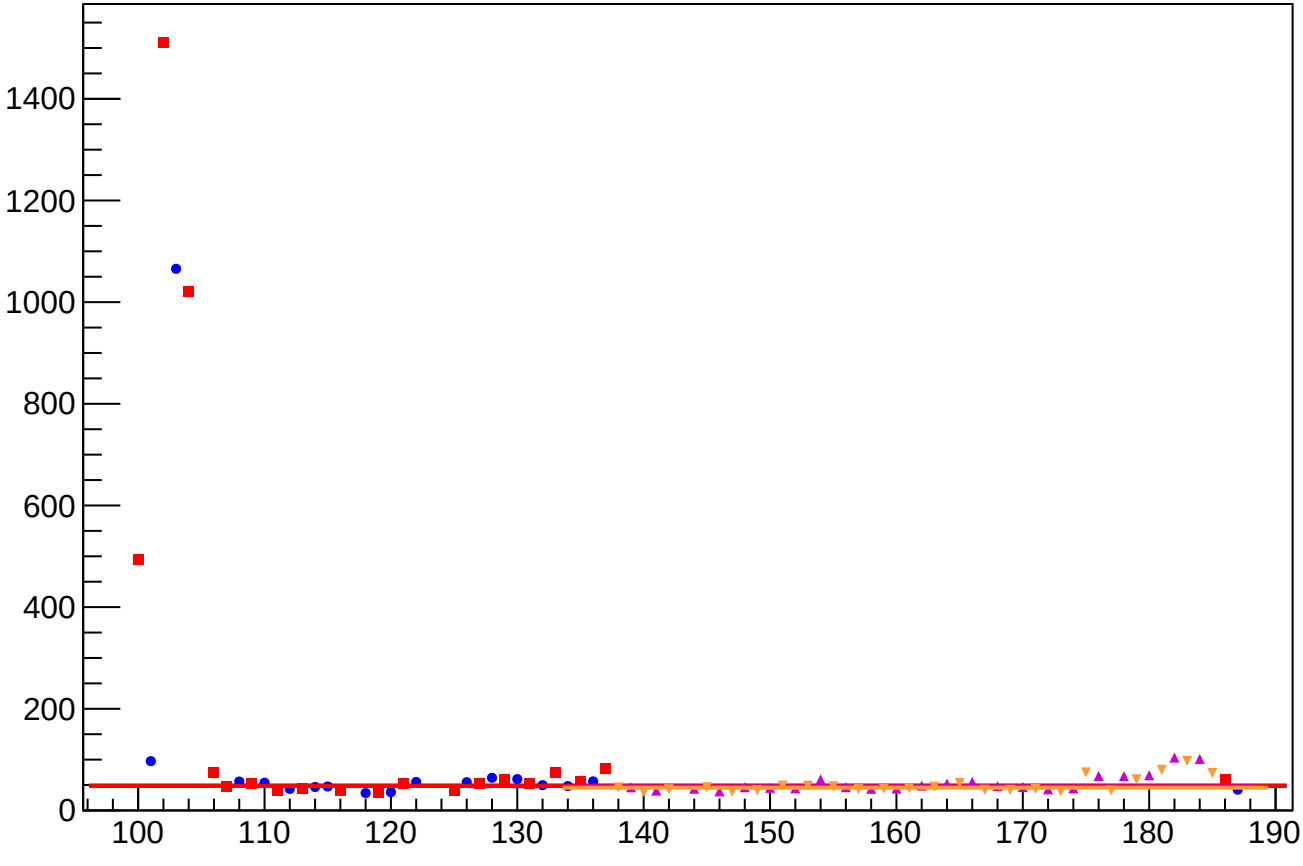
Right: 0.005+/-0.015 χ^2/NDF: 29.3/35

In: 0.004+/-0.010 χ^2/NDF:33.2/39

Out: 0.004+/-0.010 χ^2/NDF:45.6/42

All: 0.004+/-0.007 χ^2/NDF: 78.8/82

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.984+/-0.015 χ^2/NDF: 1790182.8/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 48.198+/-0.015 χ^2/NDF: 2453165.5/18

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

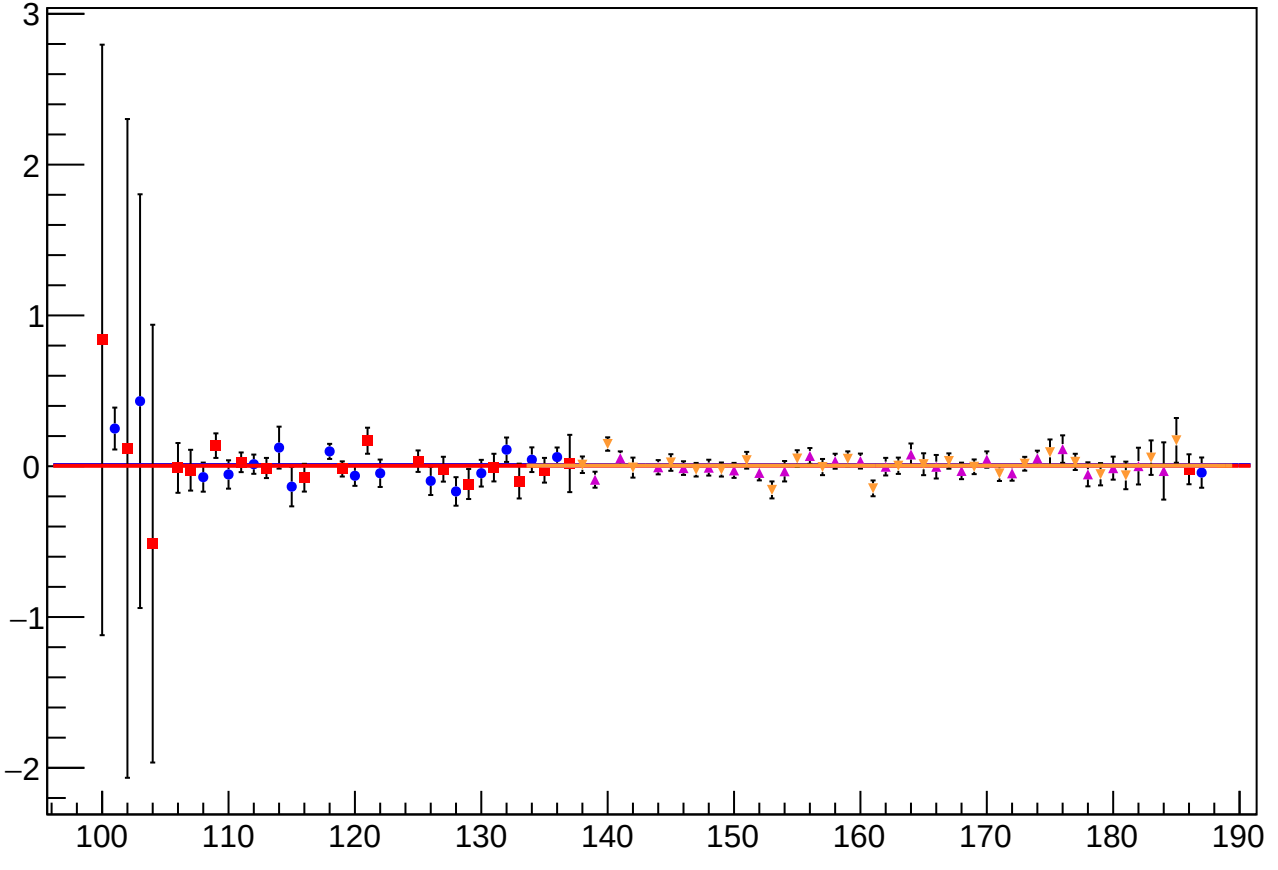
Right: 48.601+/-0.010 χ^2/NDF: 4244782.0/35

In: 47.527+/-0.007 χ^2/NDF:3186825.3/39

Out: 45.533+/-0.007 χ^2/NDF:3976468.8/42

All: 46.508+/-0.005 χ^2/NDF: 7201441.5/82

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.003+/-0.021 χ^2/NDF: 10.6/18

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

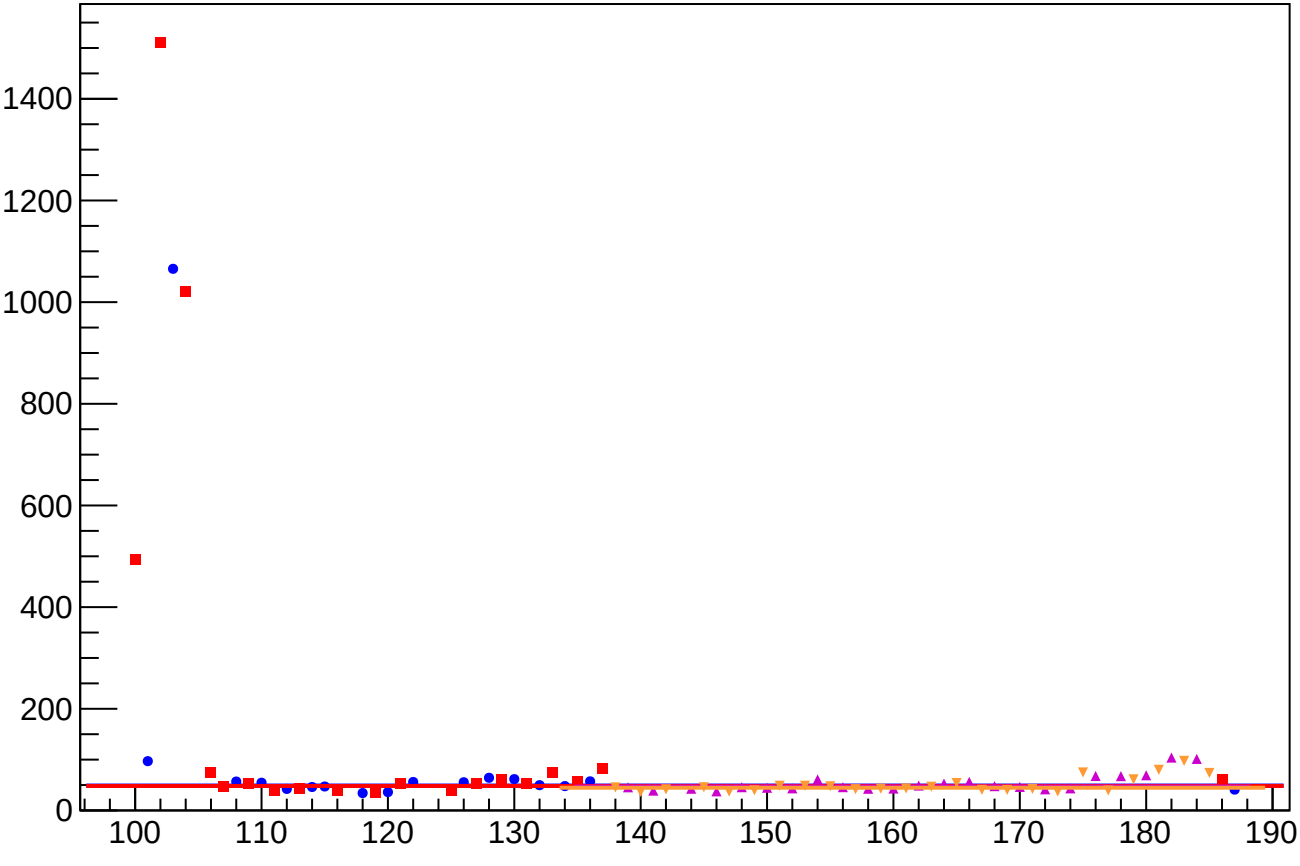
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: 0.005+/-0.015 χ^2/NDF: 29.3/35

In: 0.004+/-0.010 χ^2/NDF:33.2/39

Out: 0.004+/-0.010 χ^2/NDF:45.6/42

All: 0.004+/-0.007 χ^2/NDF: 78.8/82



Right In: 48.984+/-0.015 χ^2/NDF: 1790182.8/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 48.198+/-0.015 χ^2/NDF: 2453165.5/18

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

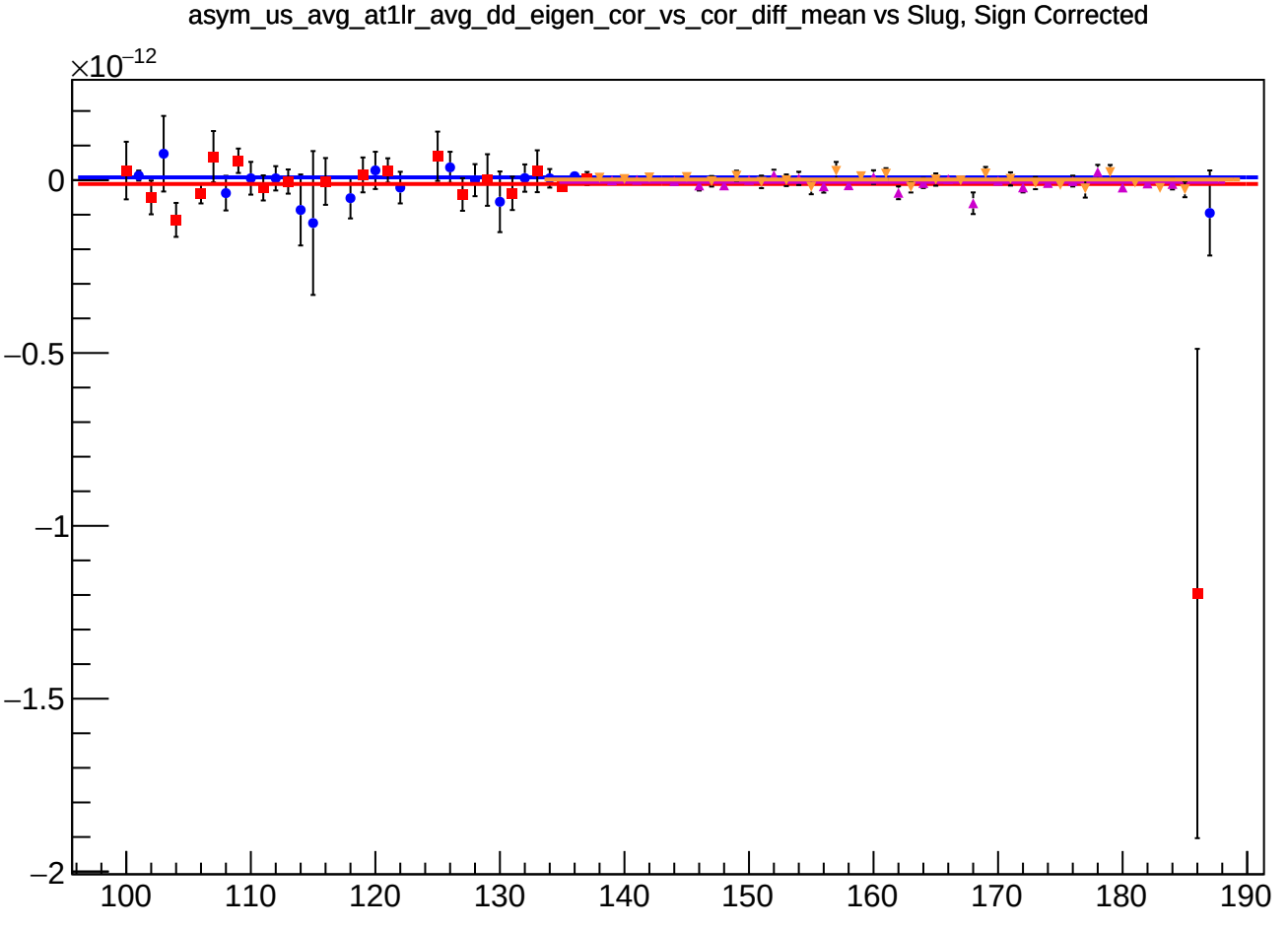
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 48.601+/-0.010 χ^2/NDF: 4244782.0/35

In: 47.527+/-0.007 χ^2/NDF:3186825.3/39

Out: 45.533+/-0.007 χ^2/NDF:3976468.8/42

All: 46.508+/-0.005 χ^2/NDF: 7201441.5/82



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

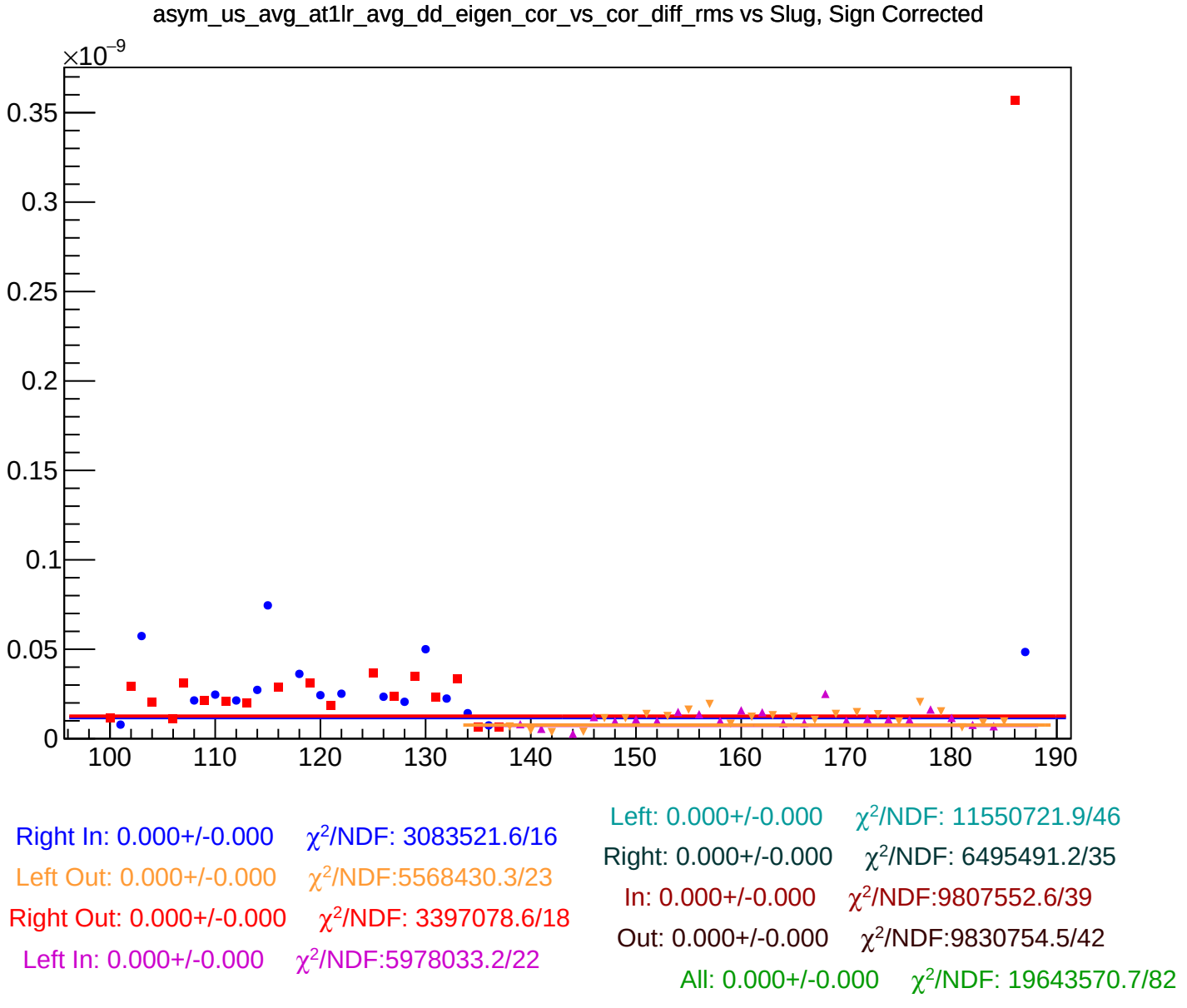
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

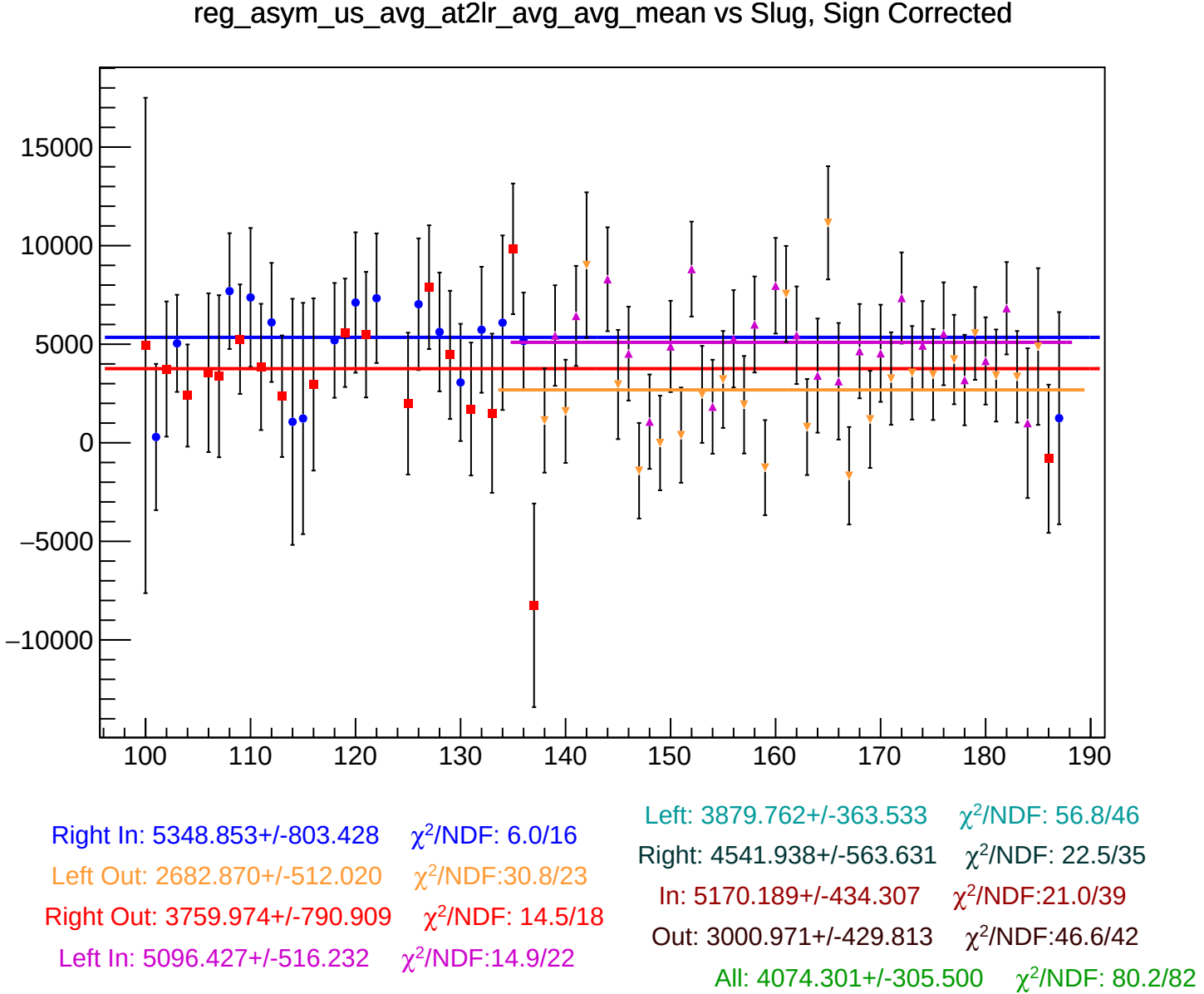
Right: -0.000+/-0.000 χ^2/NDF: 28.9/35

In: -0.000+/-0.000 χ^2/NDF:27.5/39

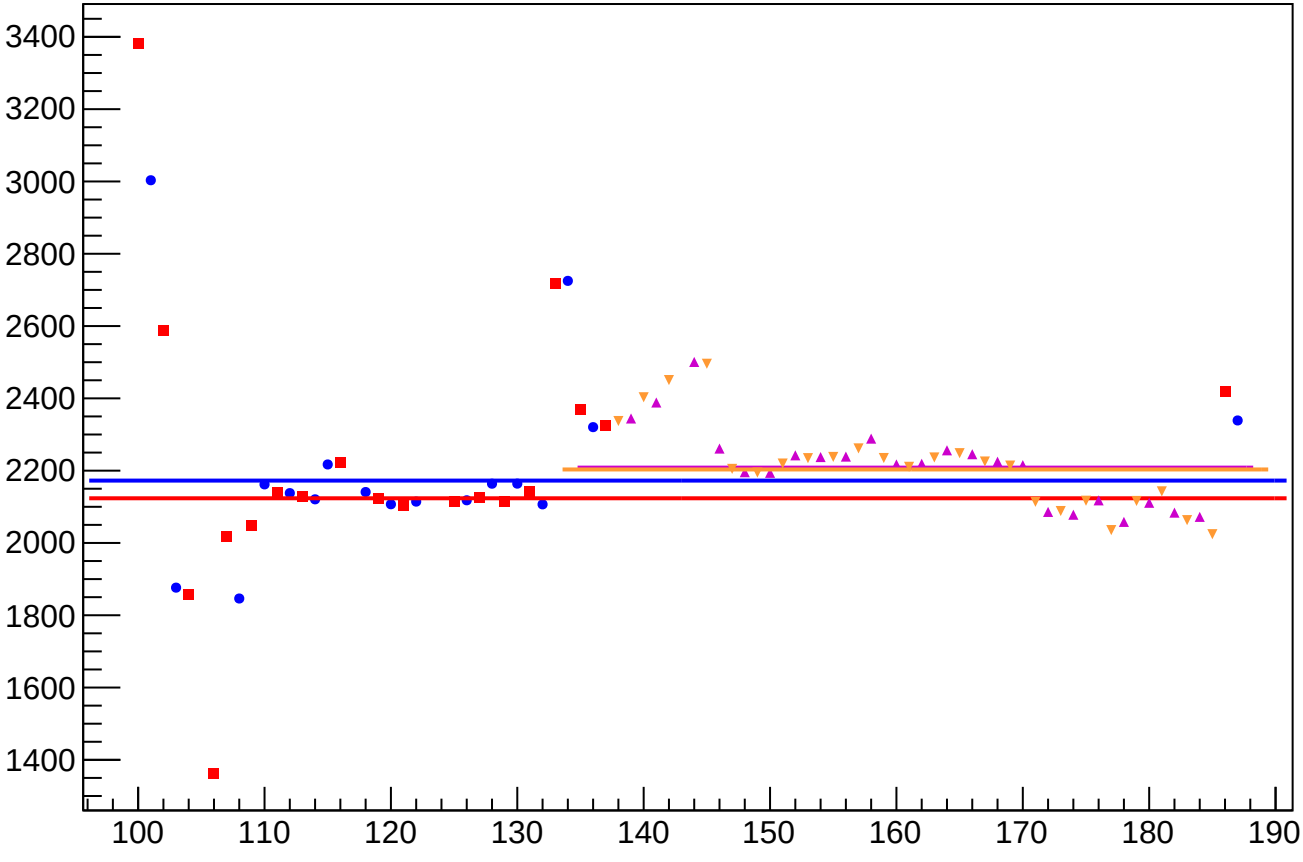
Out: 0.000+/-0.000 χ^2/NDF:42.5/42

All: -0.000+/-0.000 χ^2/NDF: 71.7/82


asym_us_avg_at1lr_avg_dd_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
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3083521.6/16
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3397078.6/18
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
Left: 0.000+/-0.000 χ²/NDF: 11550721.9/46
Right: 0.000+/-0.000 χ²/NDF: 6495491.2/35
In: 0.000+/-0.000 χ²/NDF:9807552.6/39
Out: 0.000+/-0.000 χ²/NDF:9830754.5/42
All: 0.000+/-0.000 χ²/NDF: 19643570.7/82


reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 5348.853+/-803.428 χ²/NDF: 6.0/16
Left Out: 2682.870+/-512.020 χ²/NDF:30.8/23
Right Out: 3759.974+/-790.909 χ²/NDF: 14.5/18
Left In: 5096.427+/-516.232 χ²/NDF:14.9/22
Left: 3879.762+/-363.533 χ²/NDF: 56.8/46
Right: 4541.938+/-563.631 χ²/NDF: 22.5/35
In: 5170.189+/-434.307 χ²/NDF:21.0/39
Out: 3000.971+/-429.813 χ²/NDF:46.6/42
All: 4074.301+/-305.500 χ²/NDF: 80.2/82

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.1/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2123.572+/-0.551 χ^2/NDF: 280227.6/18

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

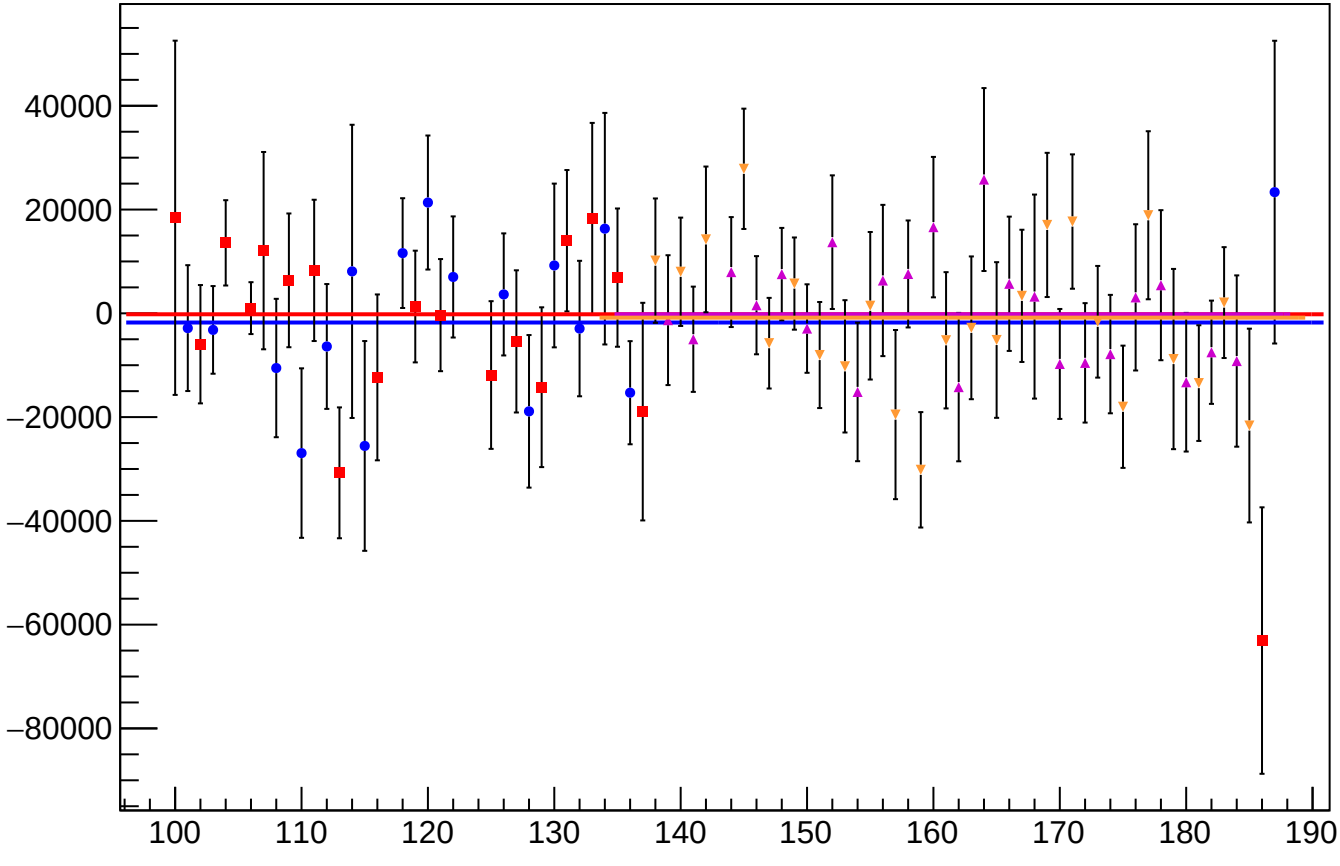
Right: 2147.281+/-0.395 χ^2/NDF: 481666.6/35

In: 2197.897+/-0.307 χ^2/NDF:281430.3/39

Out: 2179.240+/-0.303 χ^2/NDF:383067.2/42

All: 2188.429+/-0.216 χ^2/NDF: 666370.5/82

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1770.260+/-3192.800 χ^2/NDF: 15.2/16

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -181.815+/-2700.529 χ^2/NDF: 21.7/18

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

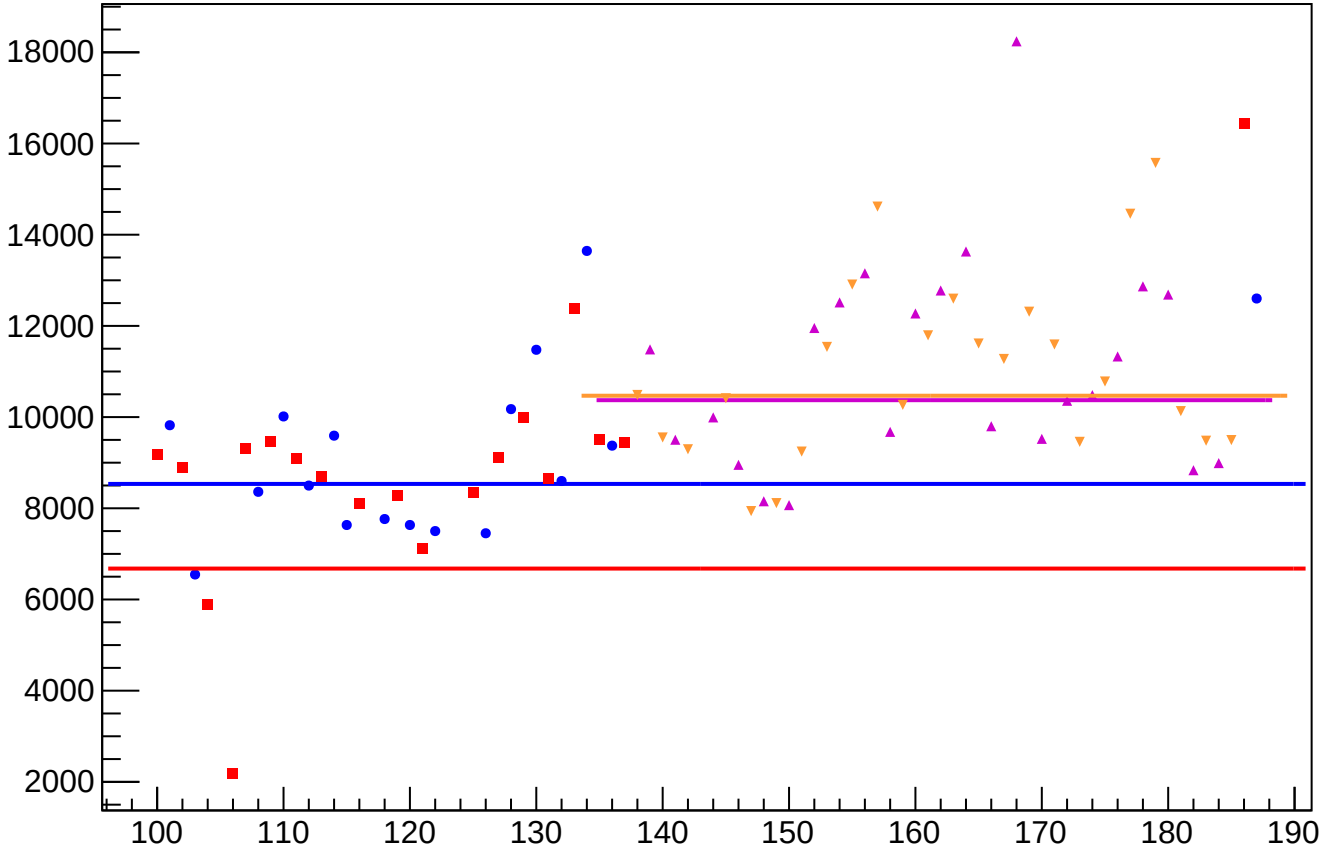
Right: -844.273+/-2061.888 χ^2/NDF: 37.1/35

In: -777.289+/-1954.239 χ^2/NDF:29.1/39

Out: -535.149+/-1827.207 χ^2/NDF:51.2/42

All: -648.094+/-1334.681 χ^2/NDF: 80.3/82

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8534.290+/-2.258 χ^2/NDF: 462029.9/16

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 6677.927+/-1.910 χ^2/NDF: 2861403.1/18

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

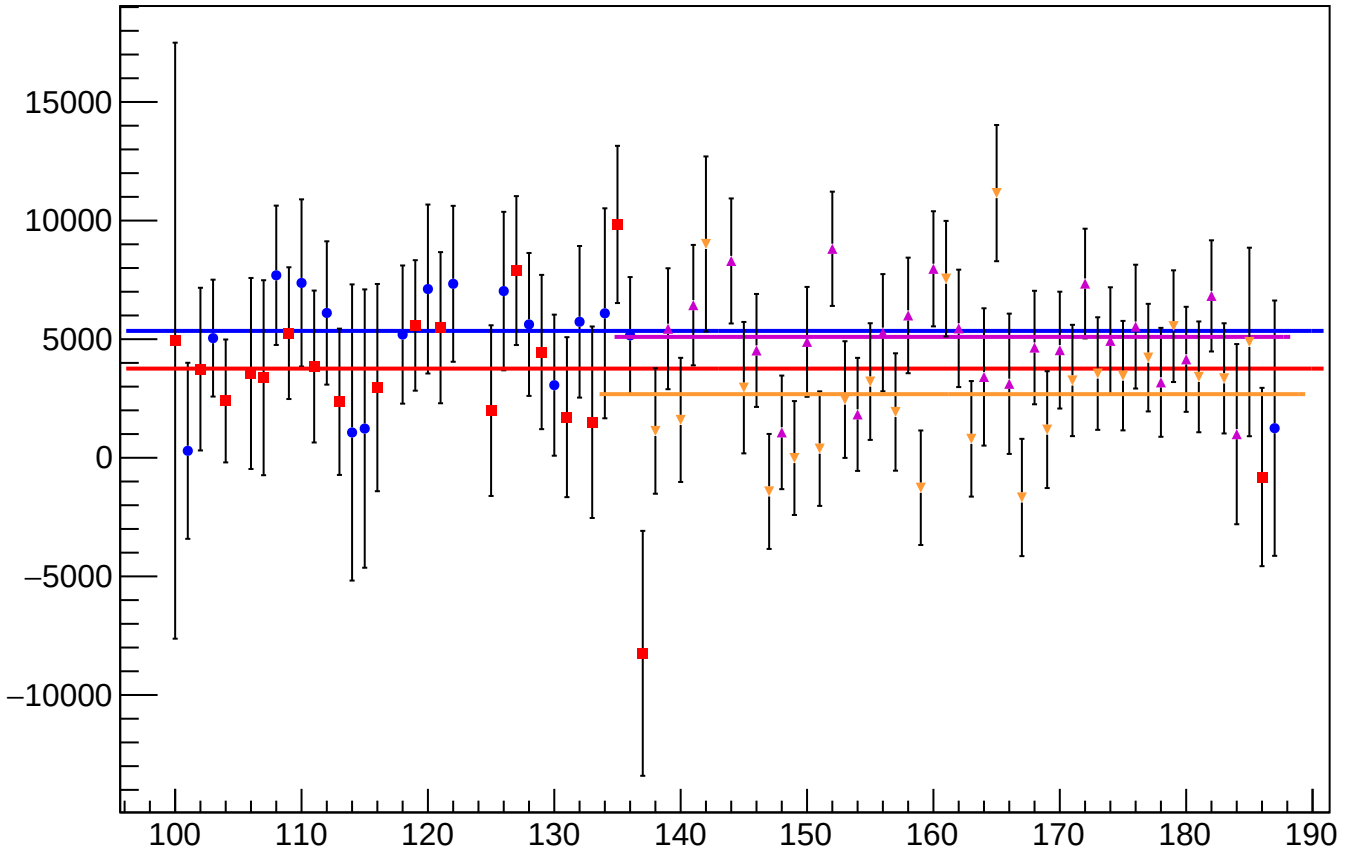
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 7452.120+/-1.458 χ^2/NDF: 3717567.7/35

In: 9682.833+/-1.382 χ^2/NDF:2079644.4/39

Out: 8733.264+/-1.292 χ^2/NDF:6043345.2/42

All: 9176.185+/-0.944 χ^2/NDF: 8374935.8/82



Right In: 5349.000+/-803.429 χ^2/NDF: 6.0/16

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3759.730+/-790.909 χ^2/NDF: 14.5/18

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

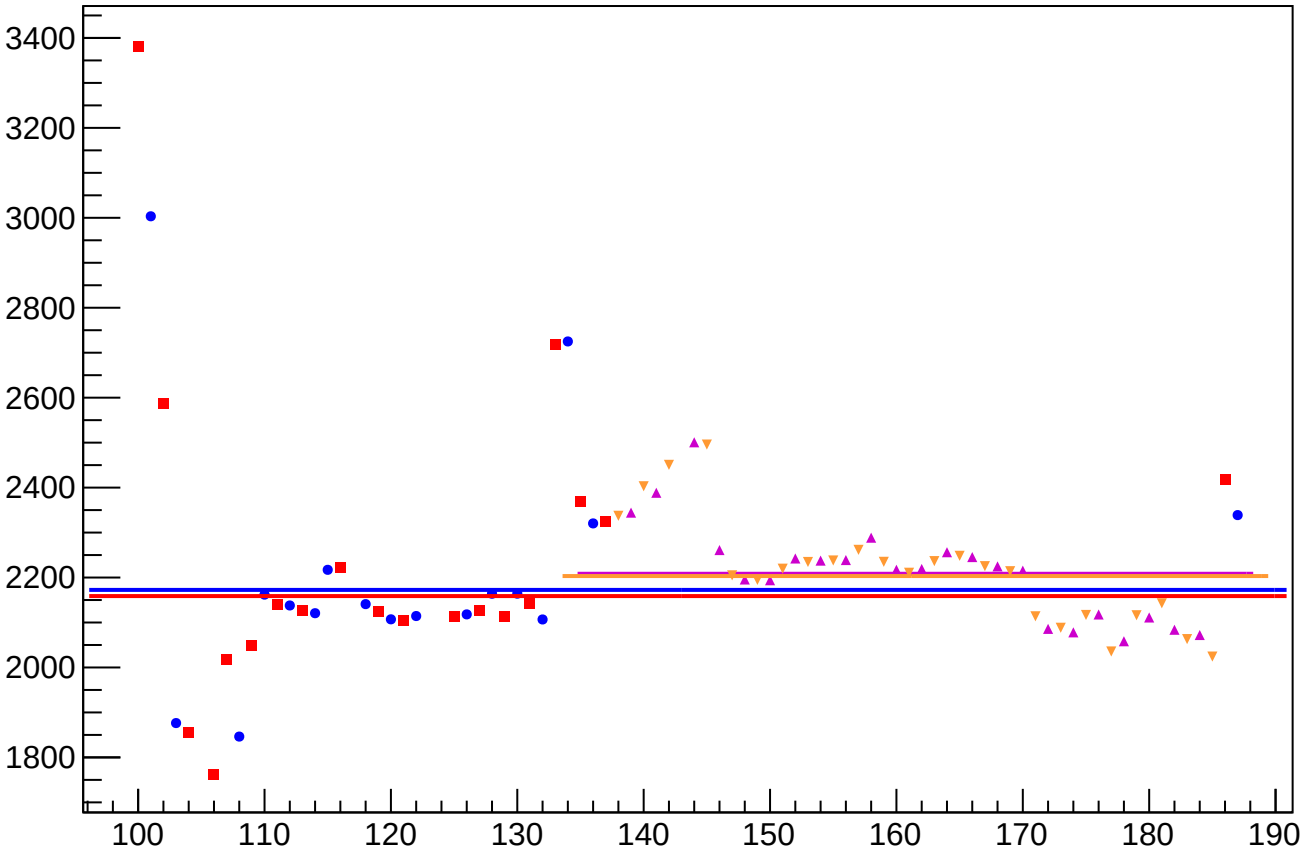
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4541.886+/-563.631 χ^2/NDF: 22.5/35

In: 5170.166+/-434.307 χ^2/NDF:21.0/39

Out: 3000.843+/-429.813 χ^2/NDF:46.6/42

All: 4074.225+/-305.500 χ^2/NDF: 80.2/82



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.5/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2158.774+/-0.557 χ^2/NDF: 167692.4/18

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

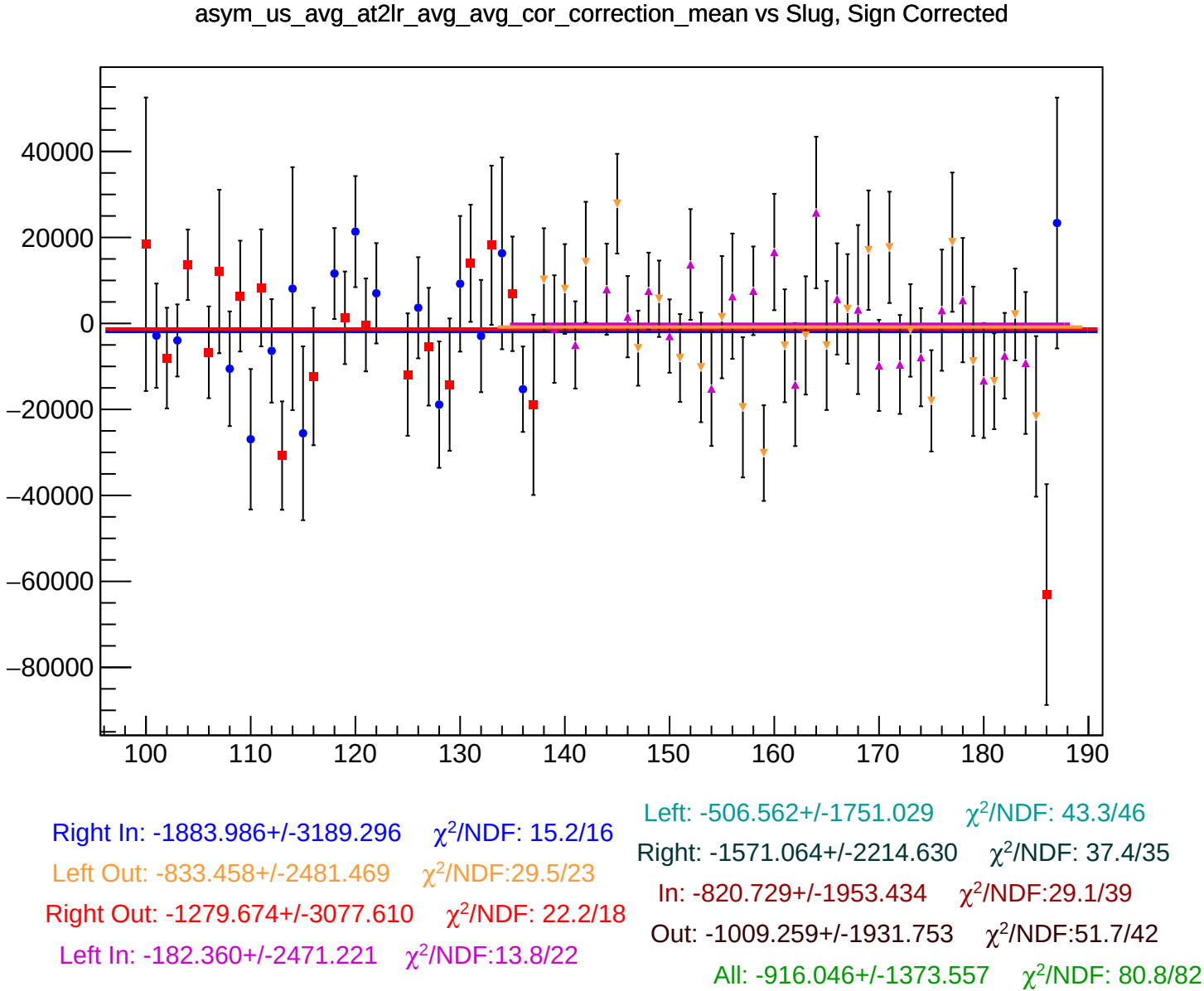
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2165.500+/-0.398 χ^2/NDF: 365605.0/35

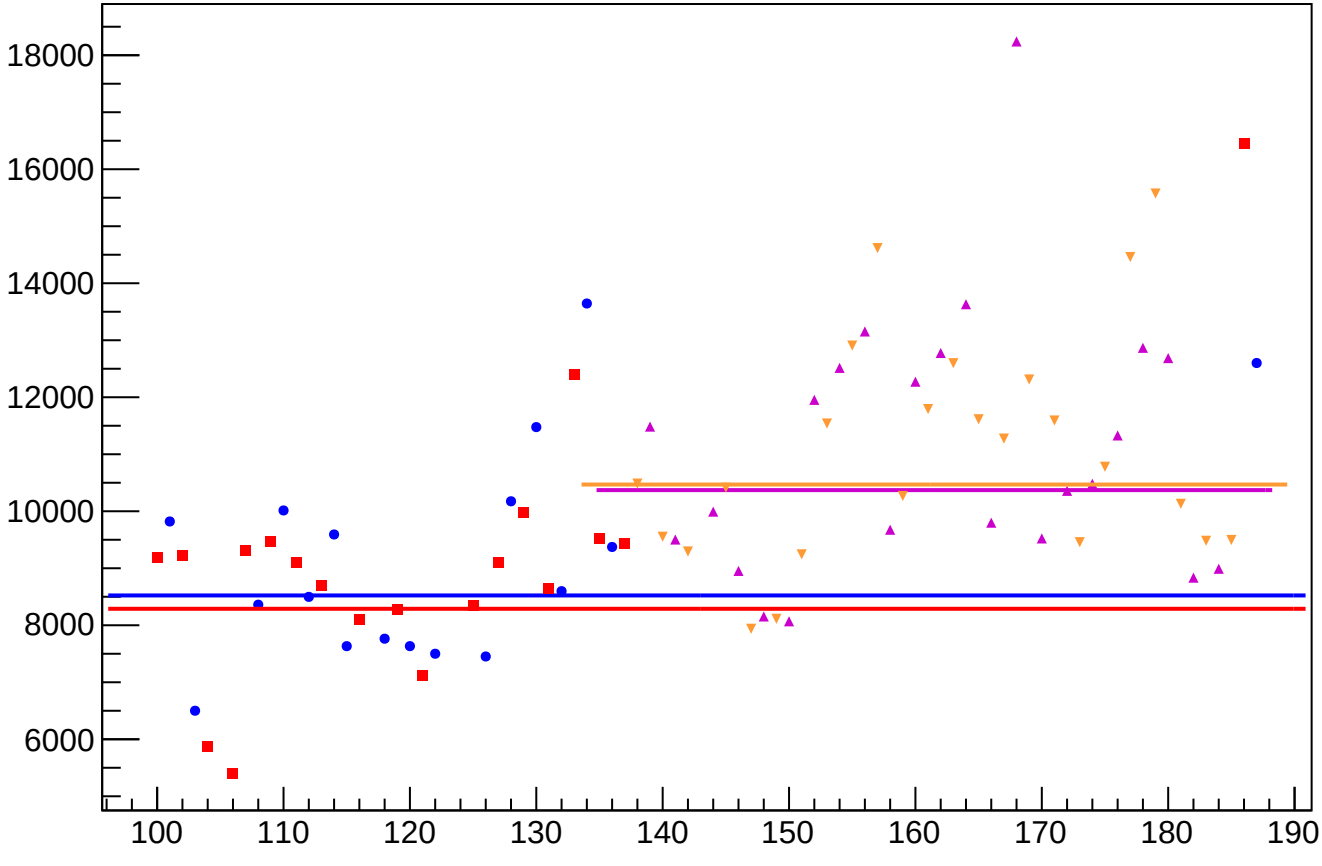
In: 2197.897+/-0.307 χ^2/NDF:281430.7/39

Out: 2190.060+/-0.303 χ^2/NDF:260396.7/42

All: 2193.932+/-0.216 χ^2/NDF: 542156.9/82


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: -1883.986+/-3189.296 χ²/NDF: 15.2/16
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -1279.674+/-3077.610 χ²/NDF: 22.2/18
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -1571.064+/-2214.630 χ²/NDF: 37.4/35
In: -820.729+/-1953.434 χ²/NDF:29.1/39
Out: -1009.259+/-1931.753 χ²/NDF:51.7/42
All: -916.046+/-1373.557 χ²/NDF: 80.8/82

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8523.060+/-2.255 χ^2/NDF: 469088.4/16

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8288.873+/-2.176 χ^2/NDF: 744584.0/18

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

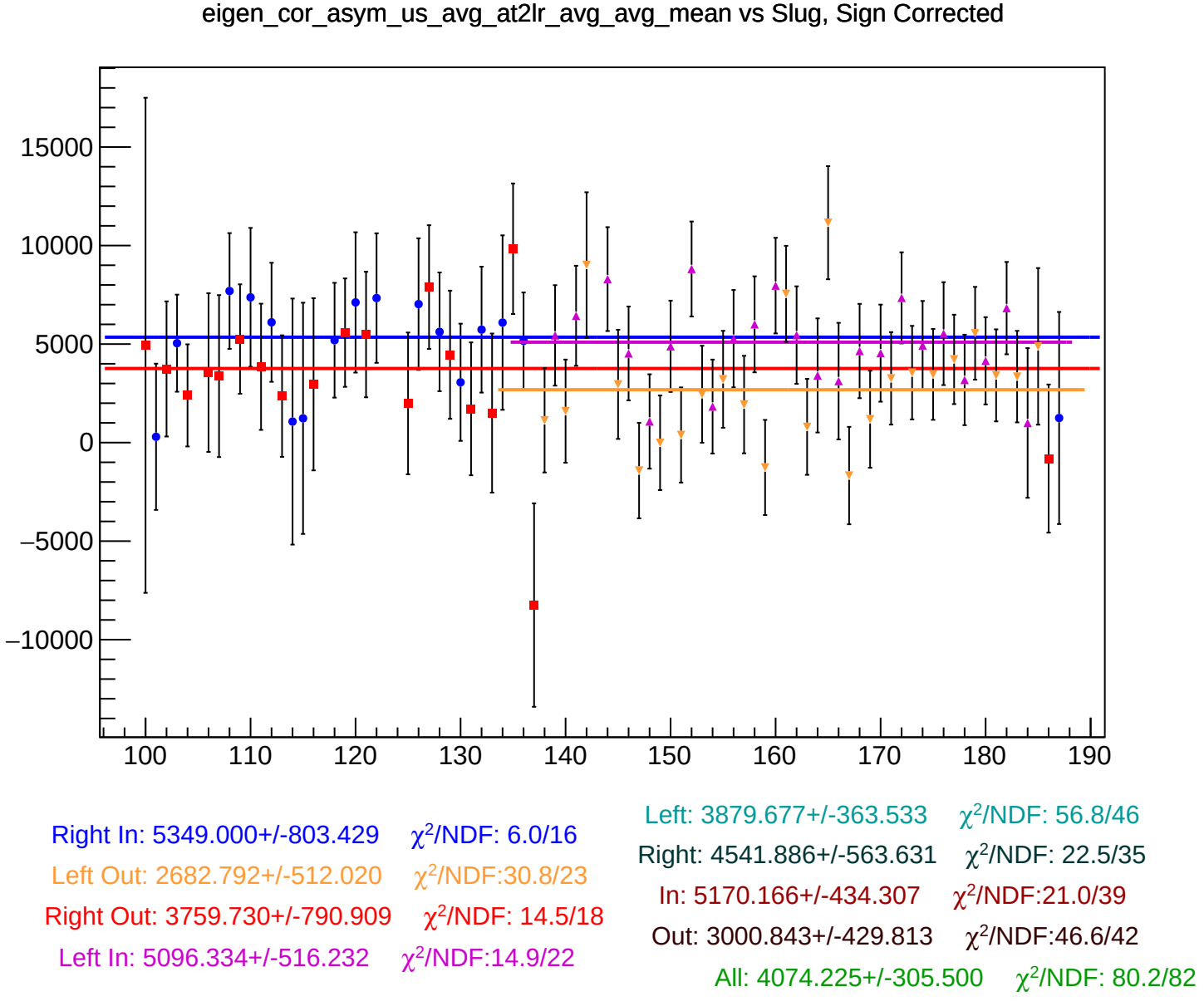
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

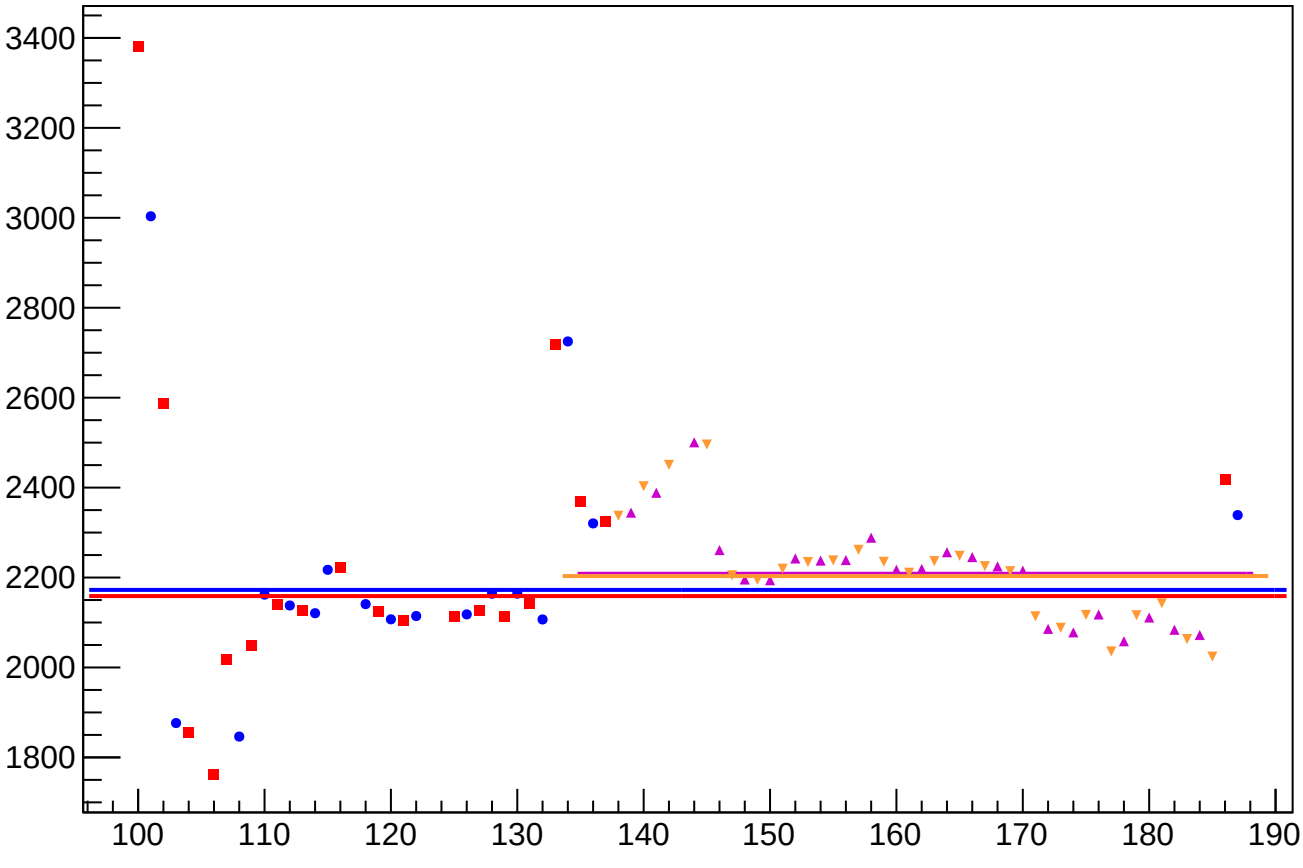
Right: 8401.794+/-1.566 χ^2/NDF: 1219256.3/35

In: 9677.669+/-1.381 χ^2/NDF:2092357.0/39

Out: 9609.873+/-1.366 χ^2/NDF:2397870.0/42

All: 9643.393+/-0.971 χ^2/NDF: 4491444.9/82


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
170
180
190
Right In: 5349.000+/-803.429 χ²/NDF: 6.0/16
Left Out: 2682.792+/-512.020 χ²/NDF:30.8/23
Right Out: 3759.730+/-790.909 χ²/NDF: 14.5/18
Left In: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3879.677+/-363.533 χ²/NDF: 56.8/46
Right: 4541.886+/-563.631 χ²/NDF: 22.5/35
In: 5170.166+/-434.307 χ²/NDF:21.0/39
Out: 3000.843+/-429.813 χ²/NDF:46.6/42
All: 4074.225+/-305.500 χ²/NDF: 80.2/82



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.5/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2158.774+/-0.557 χ^2/NDF: 167692.4/18

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

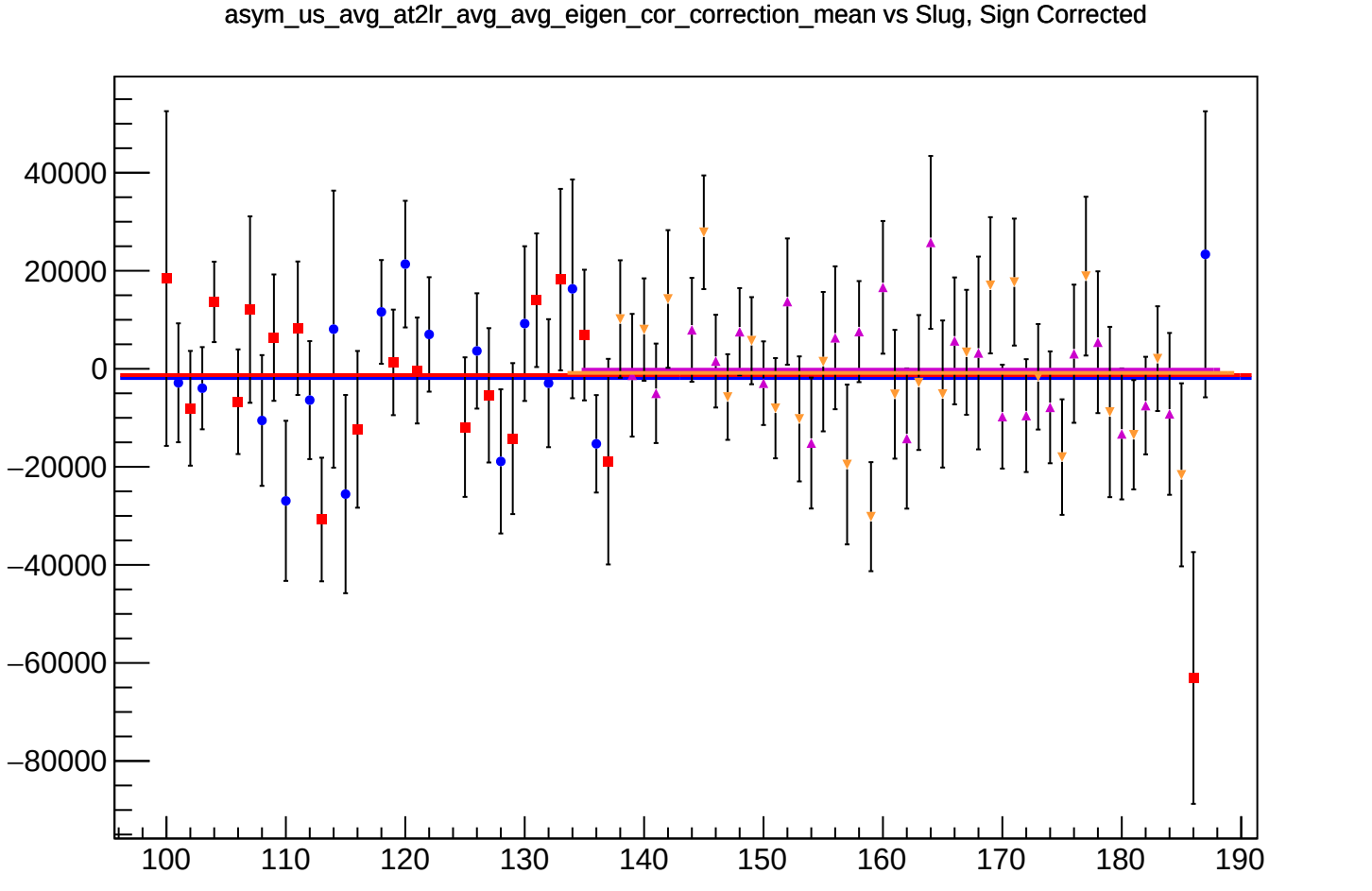
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2165.500+/-0.398 χ^2/NDF: 365605.0/35

In: 2197.897+/-0.307 χ^2/NDF:281430.7/39

Out: 2190.060+/-0.303 χ^2/NDF:260396.7/42

All: 2193.932+/-0.216 χ^2/NDF: 542156.9/82



Right In: -1883.986+/-3189.296 χ^2/NDF: 15.2/16

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1279.674+/-3077.610 χ^2/NDF: 22.2/18

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

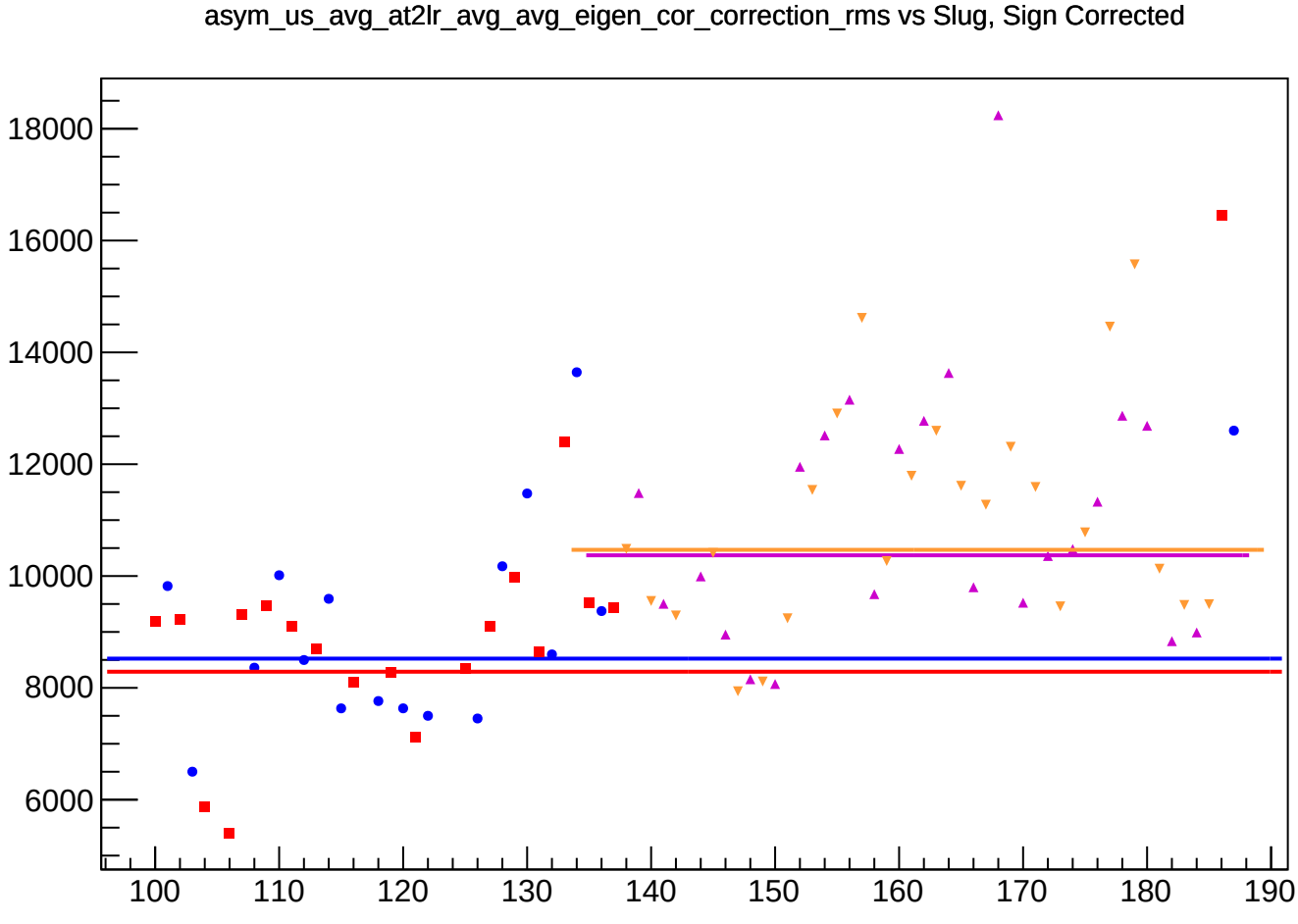
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: -1571.064+/-2214.630 χ^2/NDF: 37.4/35

In: -820.729+/-1953.434 χ^2/NDF:29.1/39

Out: -1009.259+/-1931.753 χ^2/NDF:51.7/42

All: -916.046+/-1373.557 χ^2/NDF: 80.8/82



Right In: 8523.060+/-2.255 χ^2/NDF: 469088.4/16

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8288.873+/-2.176 χ^2/NDF: 744584.0/18

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

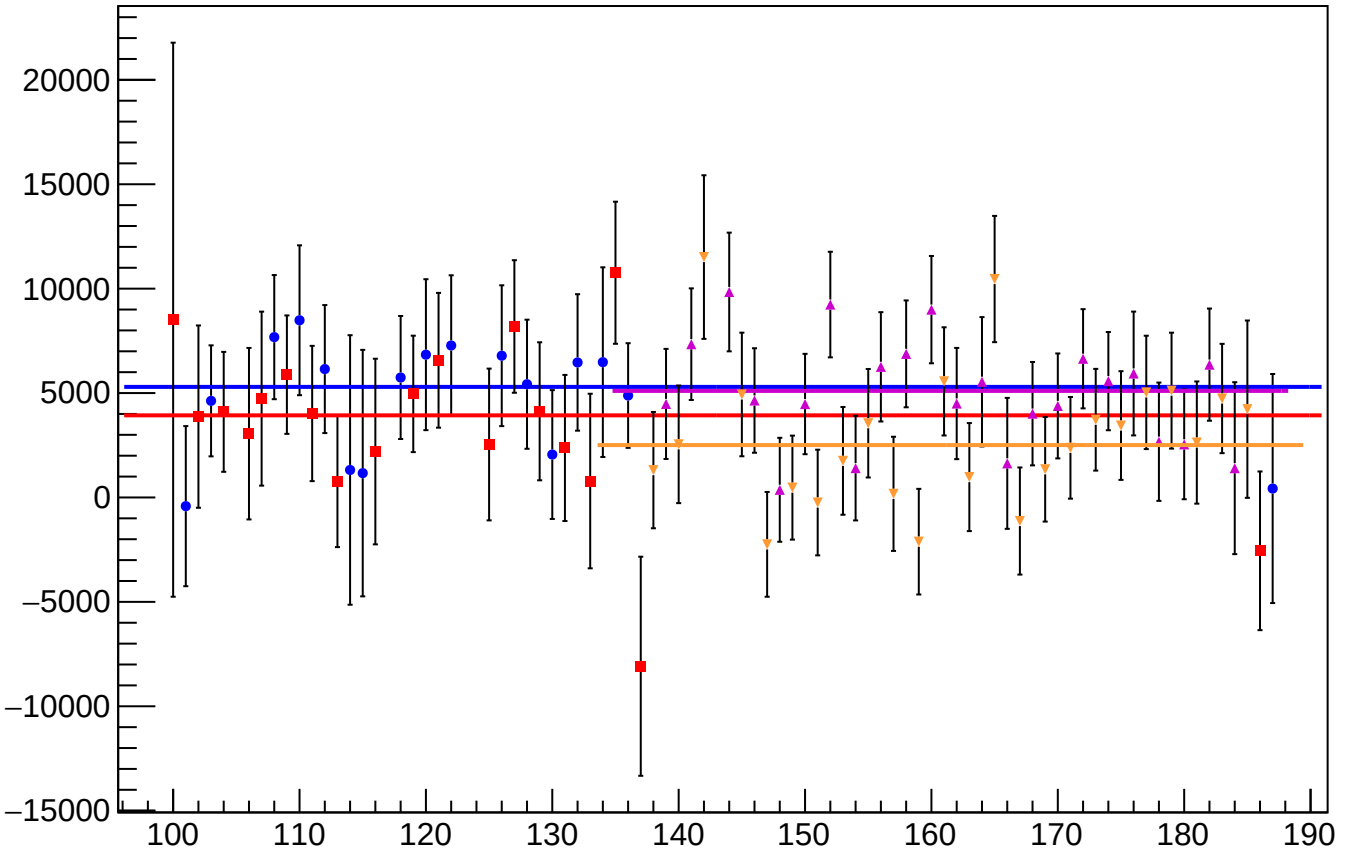
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 8401.794+/-1.566 χ^2/NDF: 1219256.3/35

In: 9677.669+/-1.381 χ^2/NDF:2092357.0/39

Out: 9609.873+/-1.366 χ^2/NDF:2397870.0/42

All: 9643.393+/-0.971 χ^2/NDF: 4491444.9/82



Right In: 5295.419+/-824.223 χ^2/NDF: 7.5/16

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3933.310+/-819.579 χ^2/NDF: 17.5/18

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

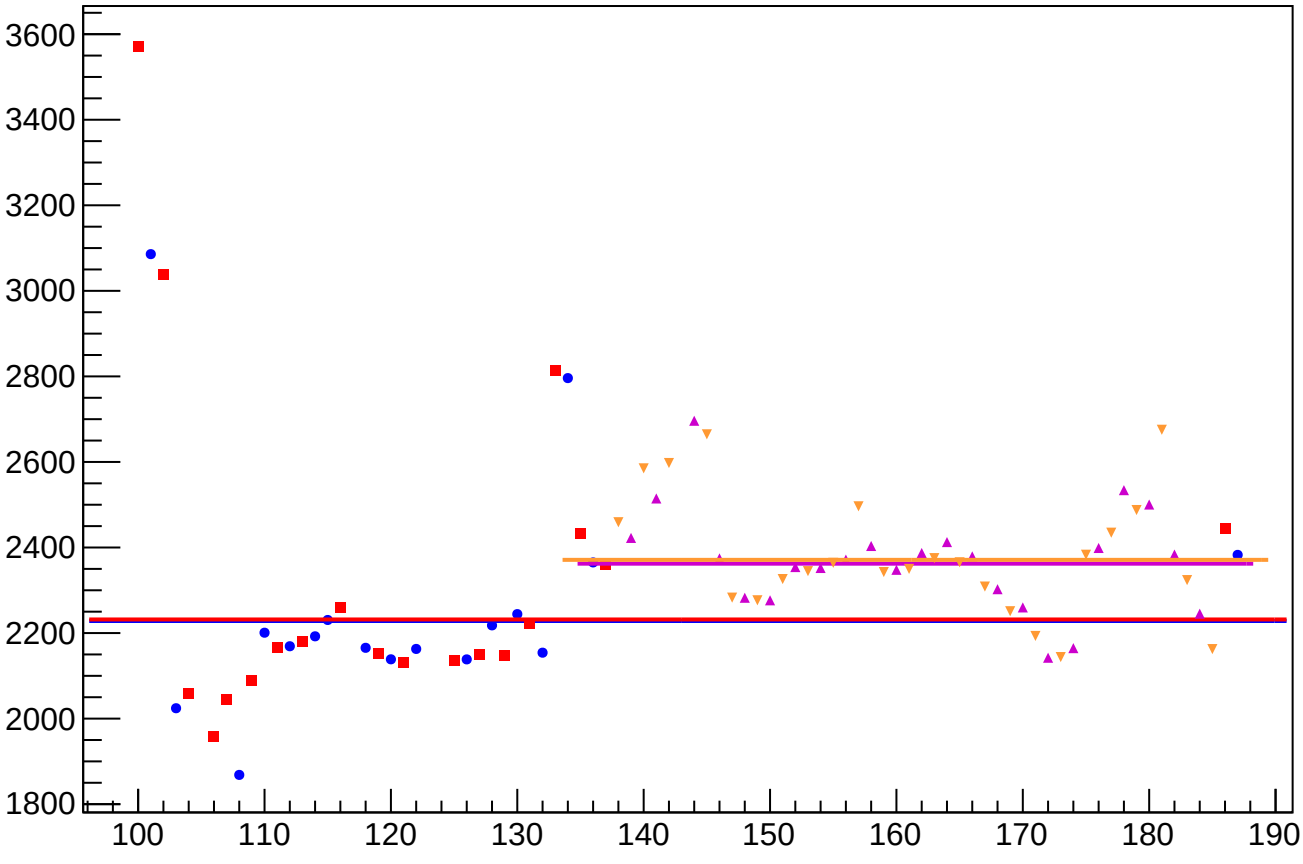
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4610.516+/-581.165 χ^2/NDF: 26.4/35

In: 5162.663+/-458.978 χ^2/NDF:27.5/39

Out: 2953.018+/-457.611 χ^2/NDF:49.4/42

All: 4054.545+/-324.062 χ^2/NDF: 88.5/82



Right In: 2228.185+/-0.583 χ^2/NDF: 186305.0/16

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2231.779+/-0.579 χ^2/NDF: 176501.3/18

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

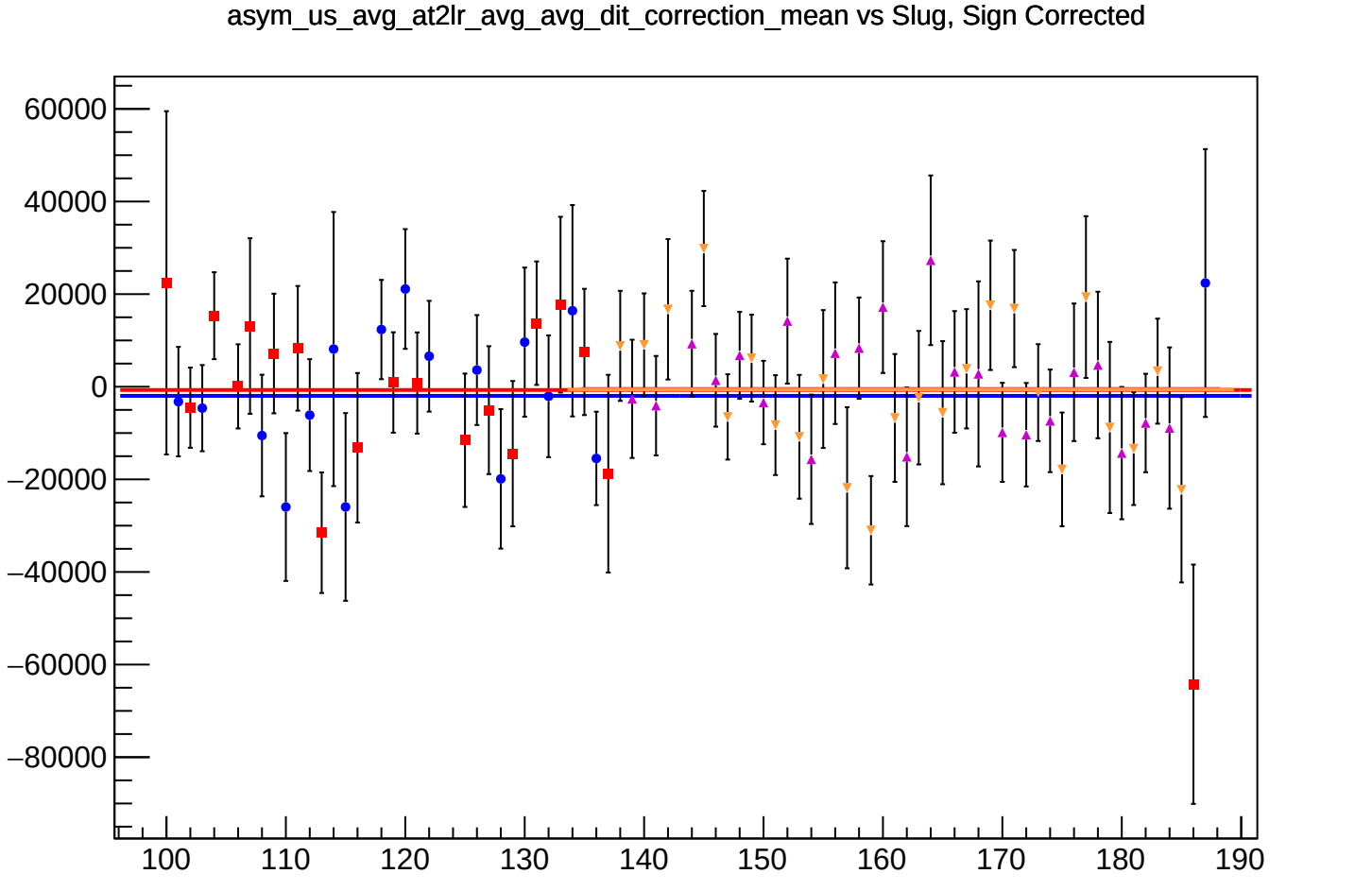
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

Right: 2229.993+/-0.411 χ^2/NDF: 362825.5/35

In: 2320.655+/-0.325 χ^2/NDF:314690.1/39

Out: 2327.656+/-0.324 χ^2/NDF:332627.5/42

All: 2324.167+/-0.229 χ^2/NDF: 647551.0/82



Right In: -1966.693+/-3251.017 χ^2/NDF: 15.2/16

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -699.819+/-3014.627 χ^2/NDF: 21.8/18

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

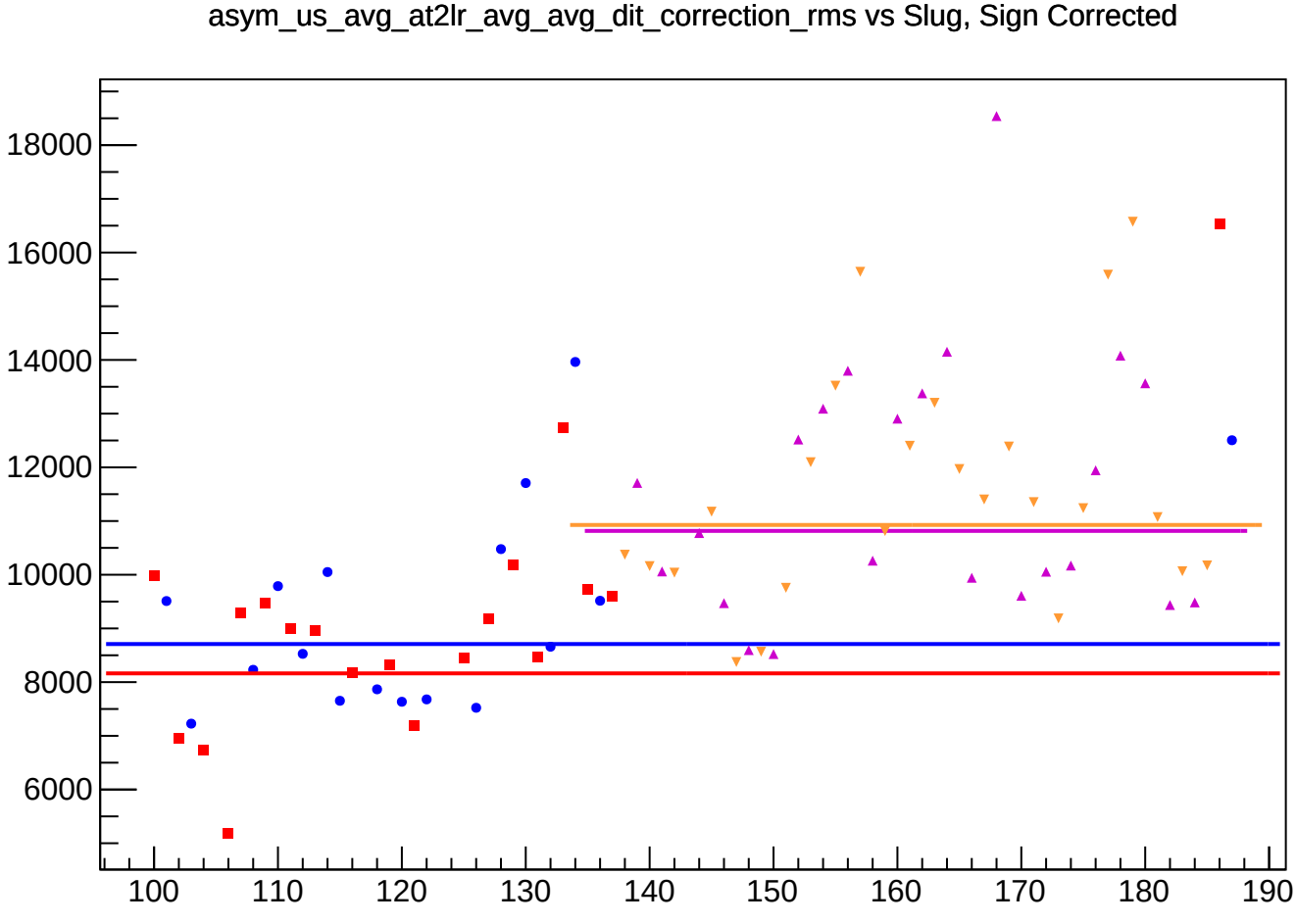
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

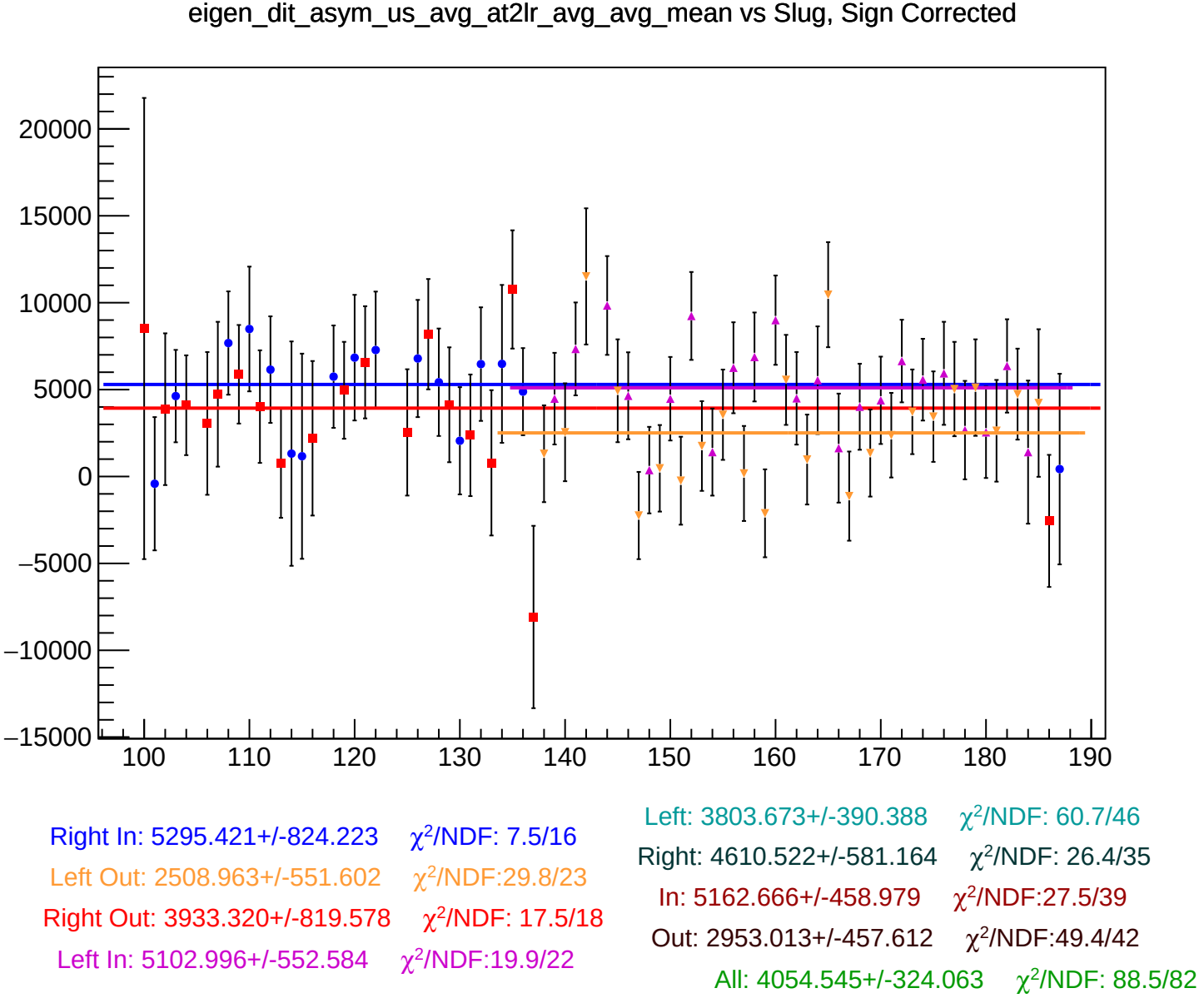
Right: -1285.527+/-2210.514 χ^2/NDF: 37.1/35

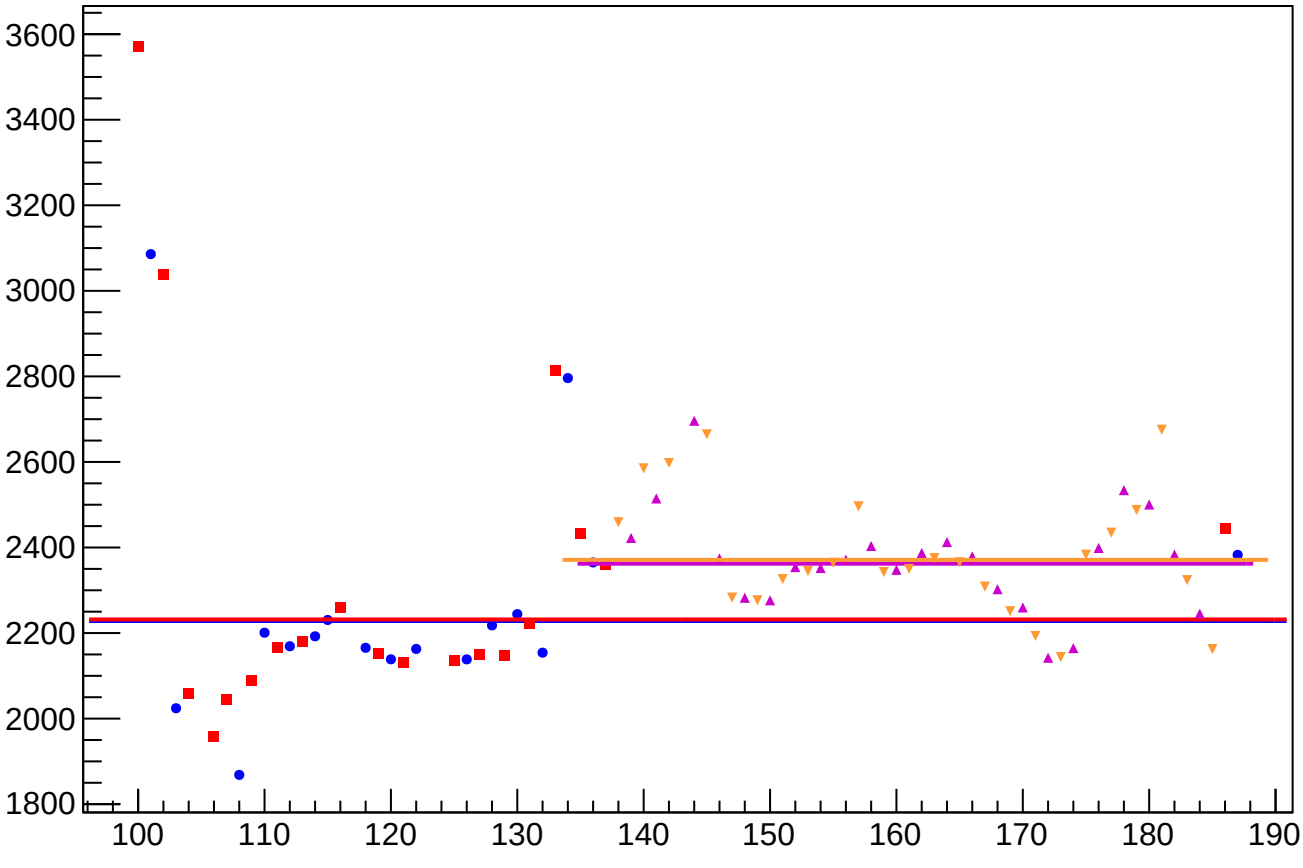
In: -1059.904+/-2019.597 χ^2/NDF:28.9/39

Out: -647.154+/-1964.495 χ^2/NDF:50.6/42

All: -847.822+/-1408.185 χ^2/NDF: 79.5/82


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8709.292+/-2.299 χ²/NDF: 392835.1/16
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 8163.031+/-2.132 χ²/NDF: 771576.0/18
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 8415.581+/-1.563 χ²/NDF: 1194771.6/35
In: 10003.187+/-1.428 χ²/NDF:2105550.8/39
Out: 9753.190+/-1.389 χ²/NDF:2796103.2/42
All: 9874.732+/-0.996 χ²/NDF: 4917400.6/82


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 5295.421+/-824.223 χ²/NDF: 7.5/16
Left Out: 2508.963+/-551.602 χ²/NDF:29.8/23
Right Out: 3933.320+/-819.578 χ²/NDF: 17.5/18
Left In: 5102.996+/-552.584 χ²/NDF:19.9/22
Left: 3803.673+/-390.388 χ²/NDF: 60.7/46
Right: 4610.522+/-581.164 χ²/NDF: 26.4/35
In: 5162.666+/-458.979 χ²/NDF:27.5/39
Out: 2953.013+/-457.612 χ²/NDF:49.4/42
All: 4054.545+/-324.063 χ²/NDF: 88.5/82



Right In: 2228.184+/-0.583 χ^2/NDF: 186305.3/16

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2231.778+/-0.579 χ^2/NDF: 176501.2/18

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

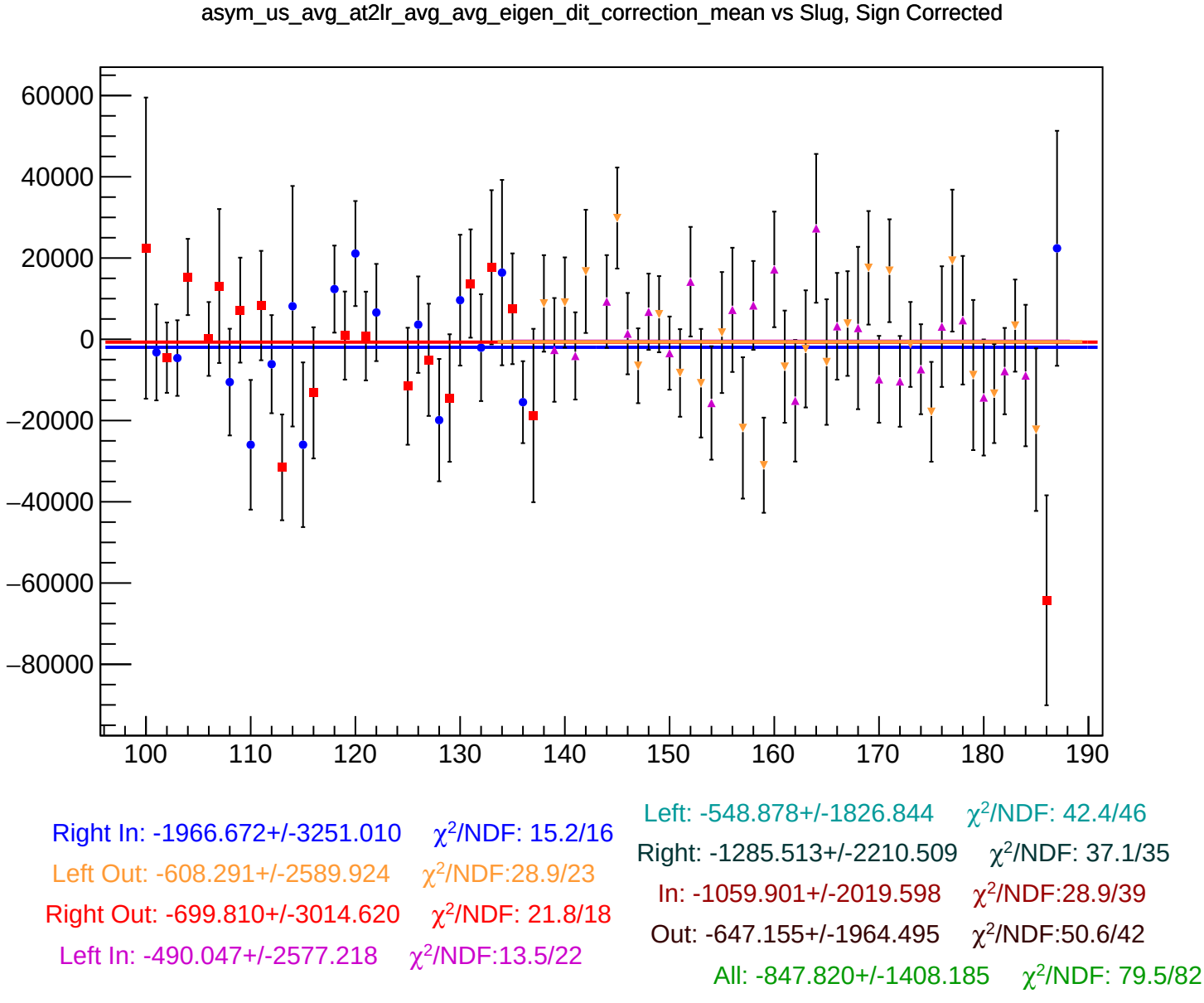
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

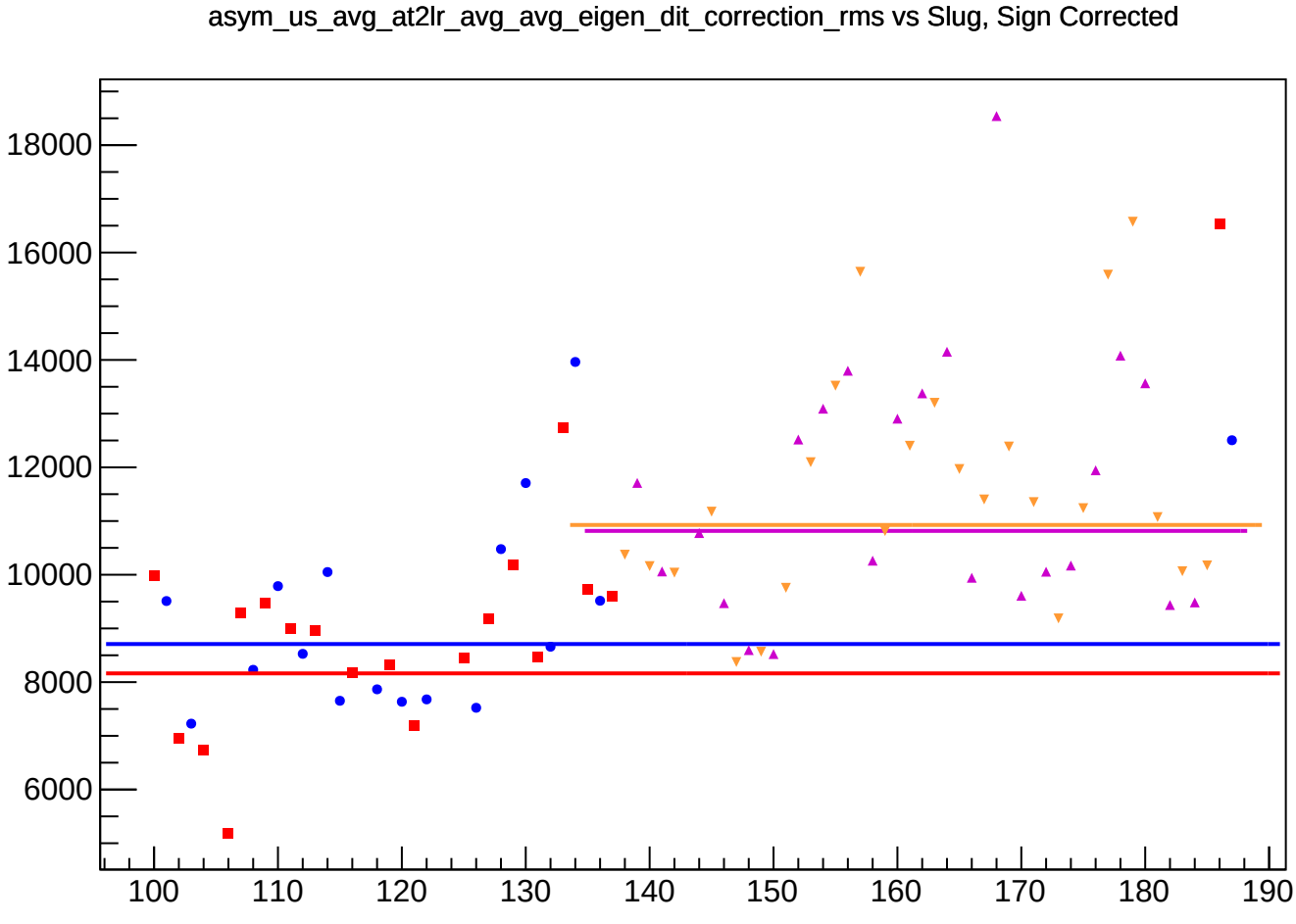
Right: 2229.992+/-0.411 χ^2/NDF: 362825.6/35

In: 2320.657+/-0.325 χ^2/NDF:314697.1/39

Out: 2327.658+/-0.324 χ^2/NDF:332633.9/42

All: 2324.169+/-0.229 χ^2/NDF: 647564.5/82


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: -1966.672+/-3251.010 χ²/NDF: 15.2/16
Left Out: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: -699.810+/-3014.620 χ²/NDF: 21.8/18
Left In: -490.047+/-2577.218 χ²/NDF:13.5/22
Left: -548.878+/-1826.844 χ²/NDF: 42.4/46
Right: -1285.513+/-2210.509 χ²/NDF: 37.1/35
In: -1059.901+/-2019.598 χ²/NDF:28.9/39
Out: -647.155+/-1964.495 χ²/NDF:50.6/42
All: -847.820+/-1408.185 χ²/NDF: 79.5/82



Right In: 8709.271+/-2.299 χ^2/NDF: 392837.9/16

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 8163.013+/-2.132 χ^2/NDF: 771574.8/18

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

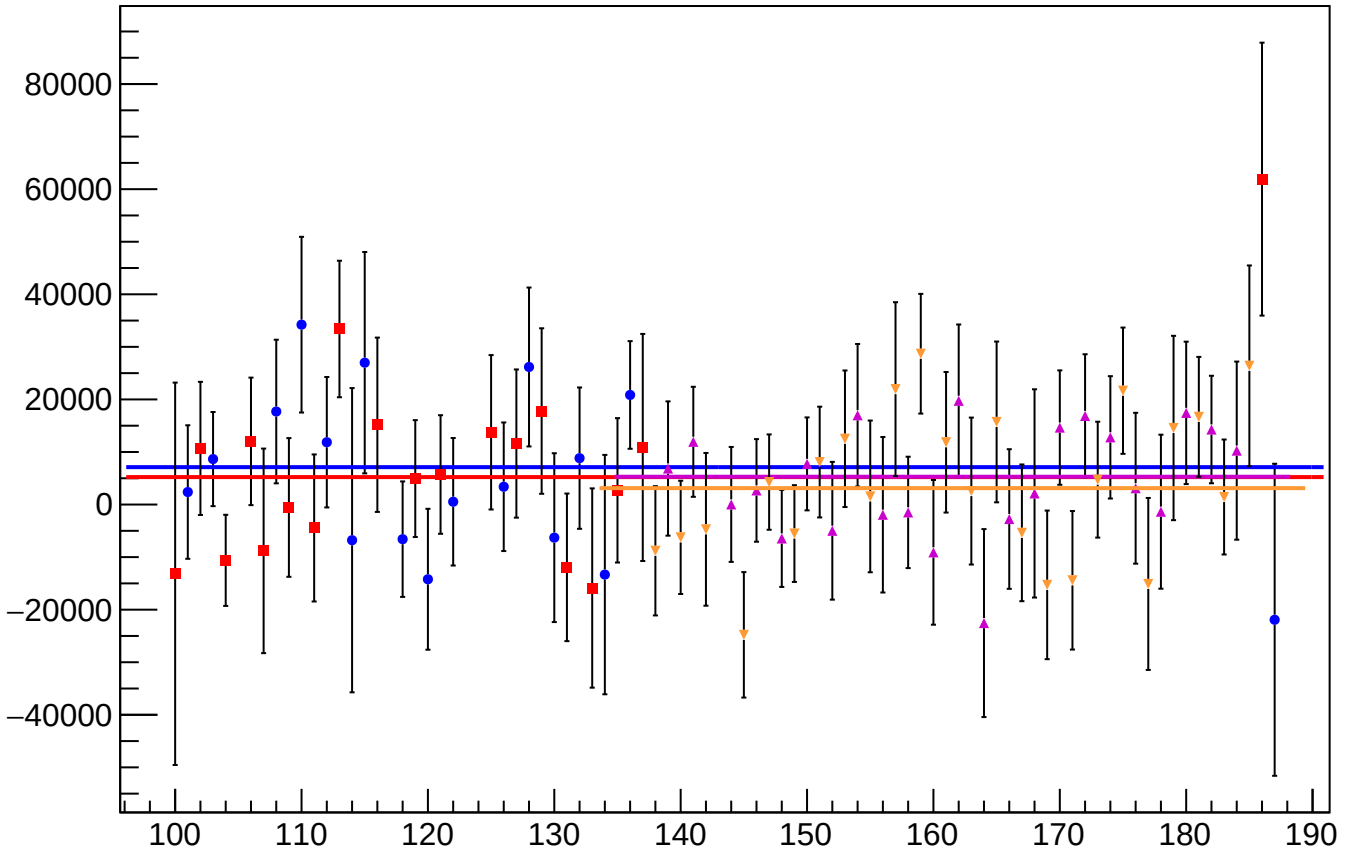
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 8415.562+/-1.563 χ^2/NDF: 1194773.0/35

In: 10003.186+/-1.428 χ^2/NDF:2105576.5/39

Out: 9753.188+/-1.389 χ^2/NDF:2796130.8/42

All: 9874.730+/-0.996 χ^2/NDF: 4917454.0/82



Right In: 7116.078+/-3310.138 χ^2/NDF: 15.0/16

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 5222.318+/-3217.624 χ^2/NDF: 19.1/18

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

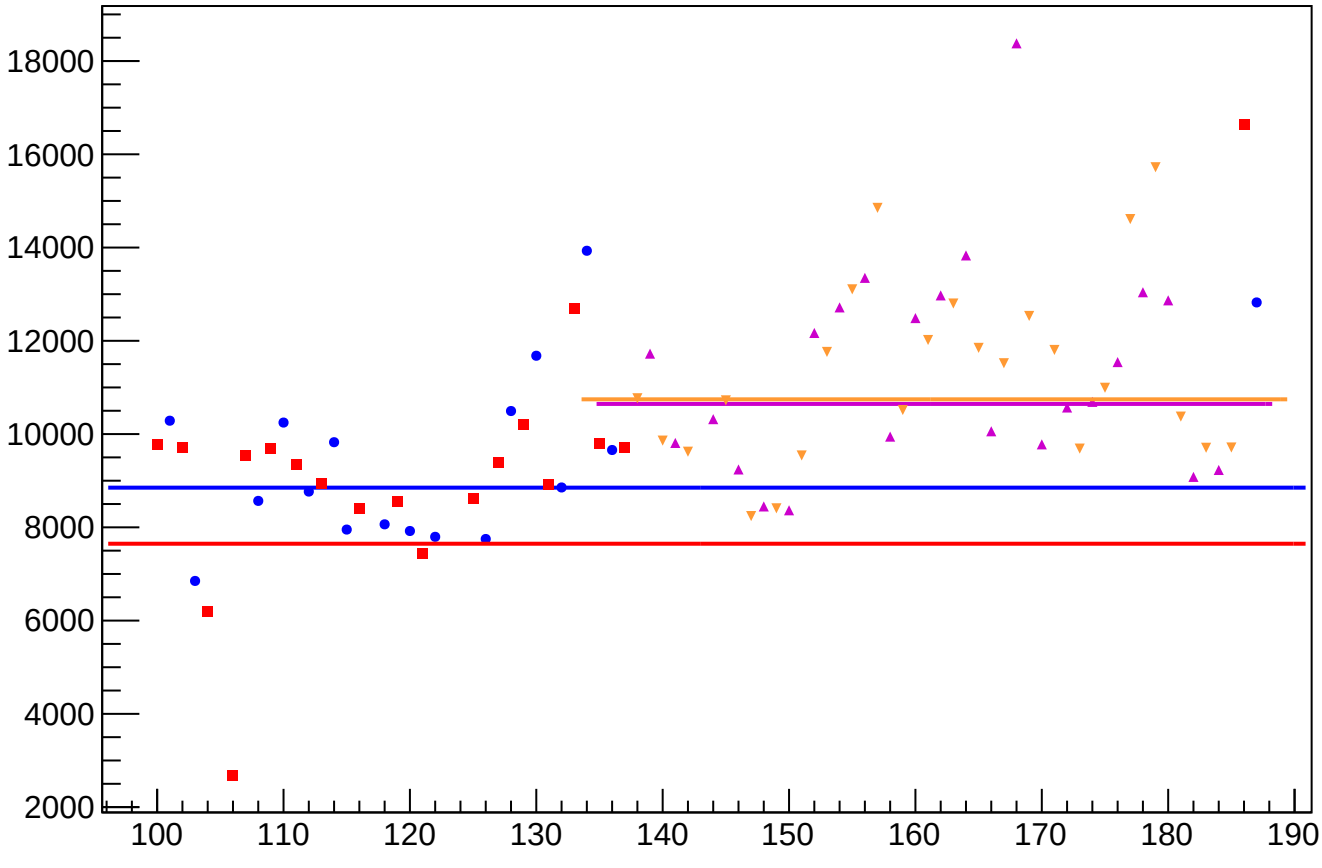
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 6142.364+/-2307.217 χ^2/NDF: 34.3/35

In: 5964.843+/-2011.602 χ^2/NDF:28.5/39

Out: 3927.716+/-1995.051 χ^2/NDF:46.8/42

All: 4937.864+/-1416.530 χ^2/NDF: 75.9/82



Right In: 8851.094+/-2.341 χ^2/NDF: 430841.5/16

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 7648.502+/-2.114 χ^2/NDF: 1899830.0/18

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

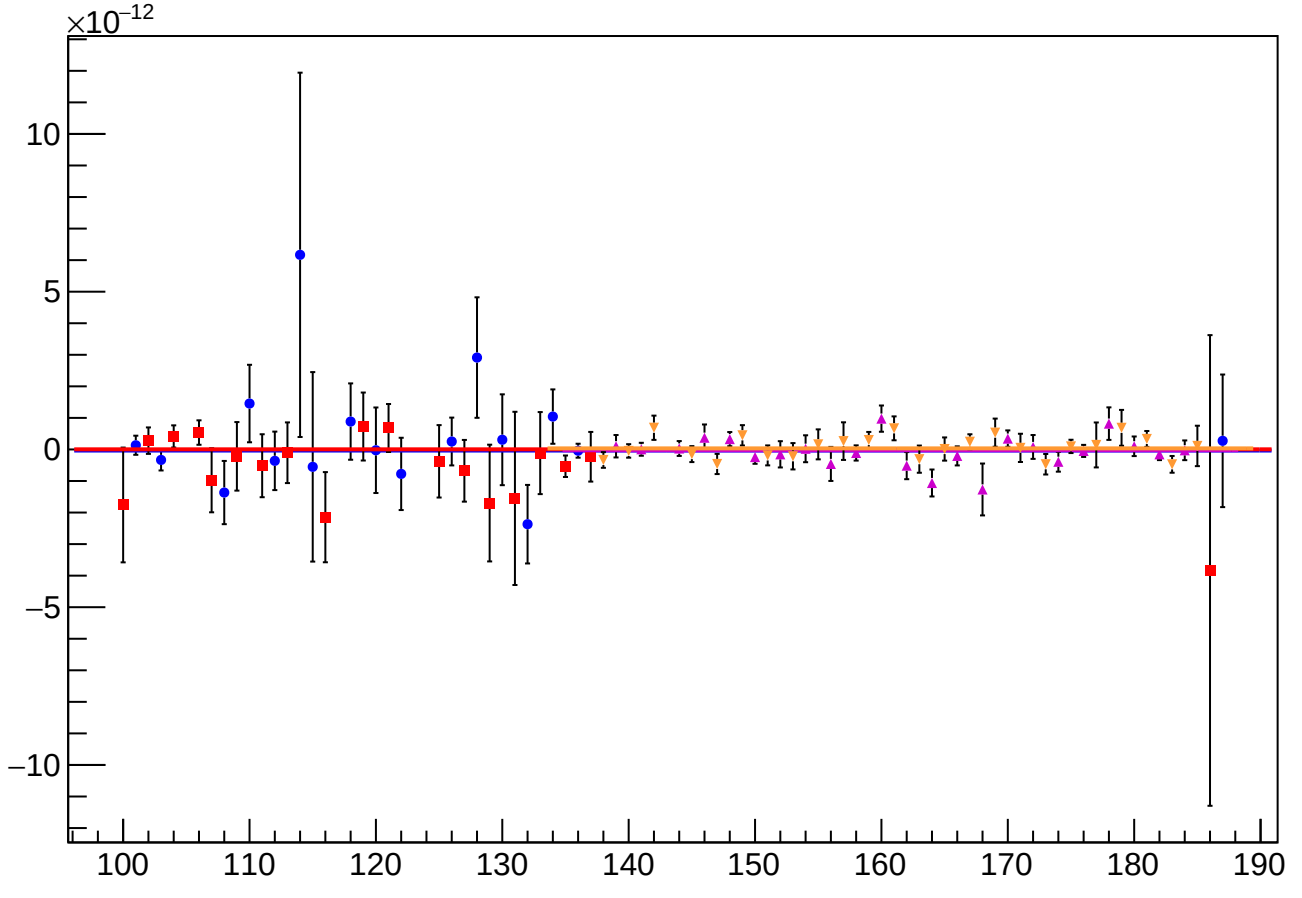
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 8188.829+/-1.569 χ^2/NDF: 2476049.1/35

In: 9983.413+/-1.422 χ^2/NDF:1915990.8/39

Out: 9445.506+/-1.370 χ^2/NDF:4109503.6/42

All: 9704.306+/-0.987 χ^2/NDF: 6099698.2/82



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

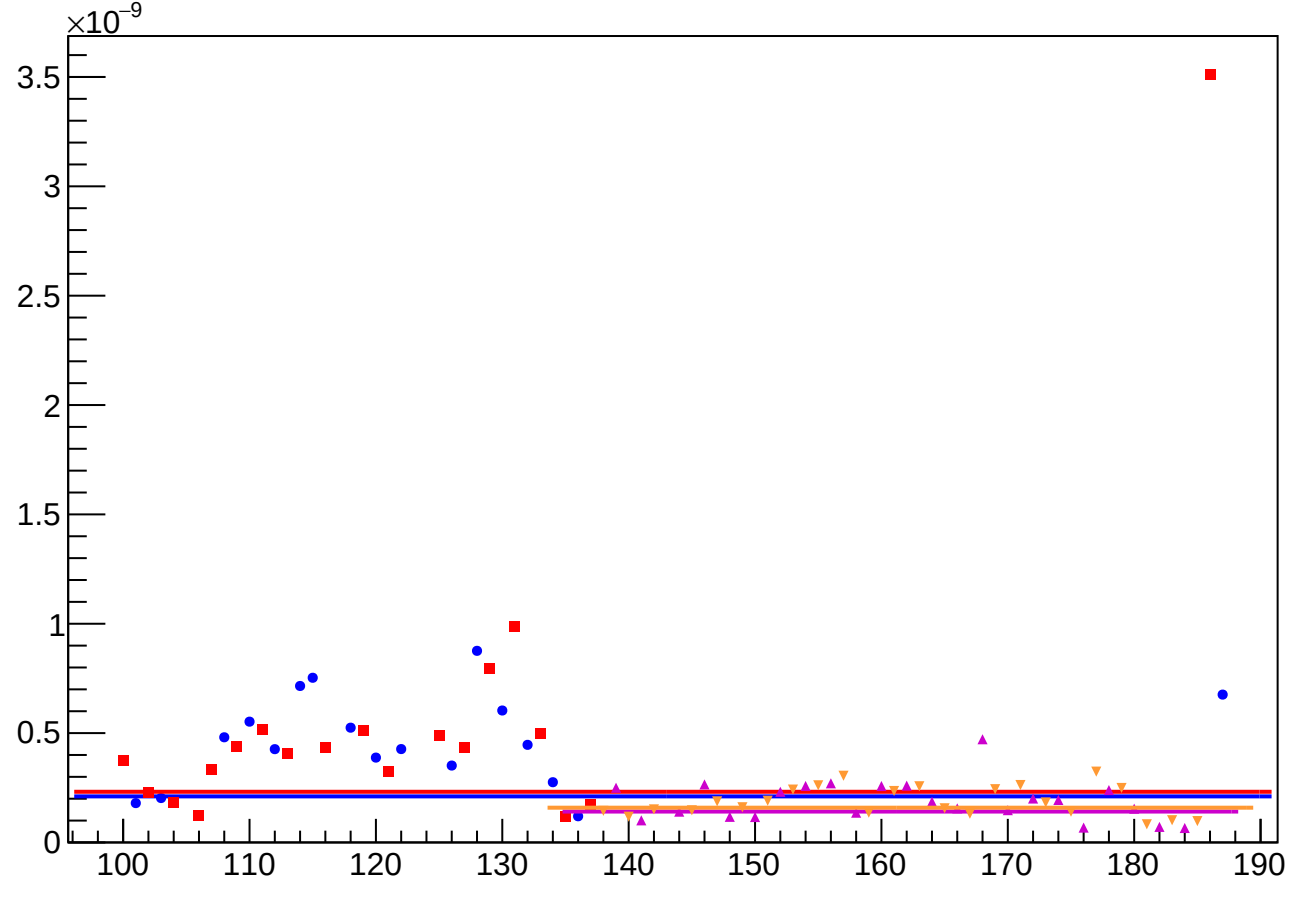
Right: -0.000+/-0.000 χ^2/NDF: 28.3/35

In: -0.000+/-0.000 χ^2/NDF:42.2/39

Out: 0.000+/-0.000 χ^2/NDF:40.3/42

All: -0.000+/-0.000 χ^2/NDF: 83.0/82

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1730870.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1948048.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

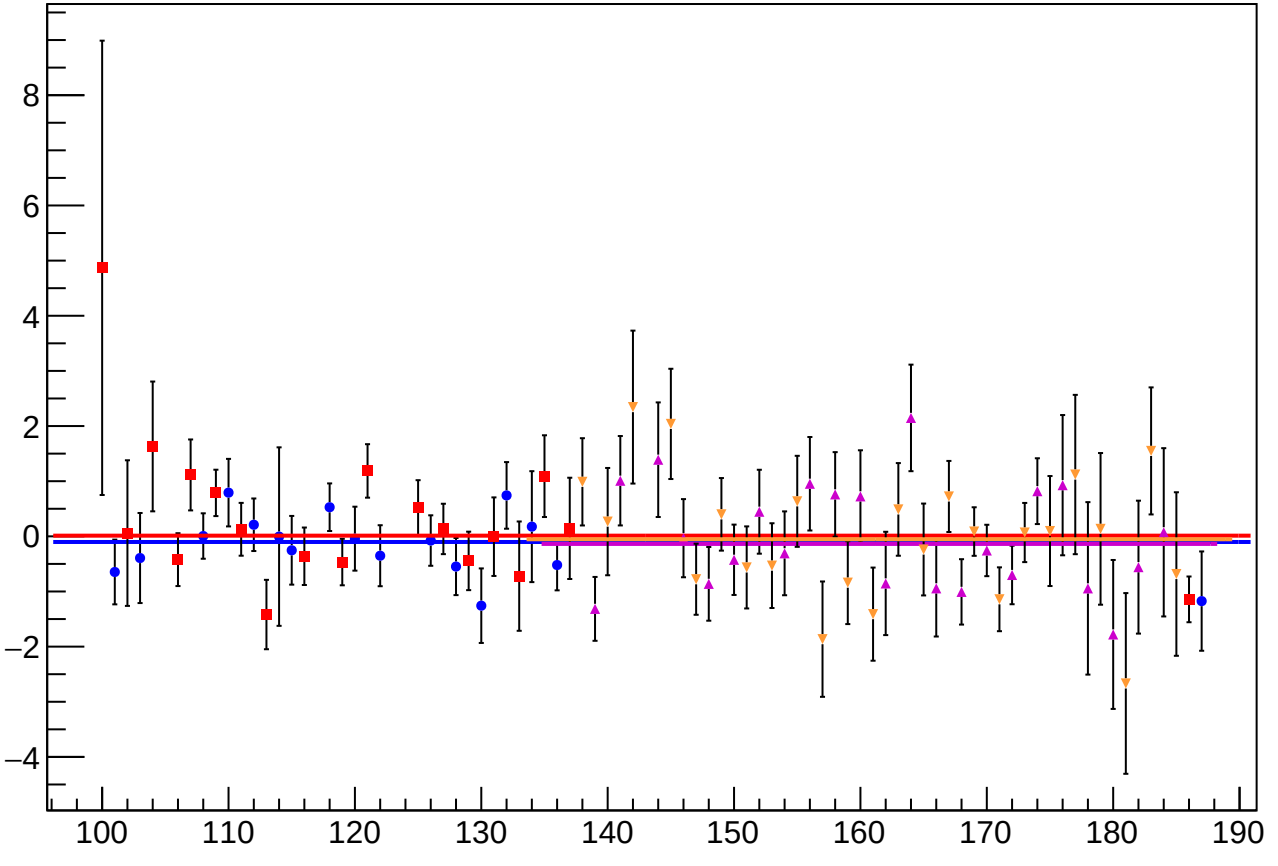
Right: 0.000+/-0.000 χ^2/NDF: 3698898.6/35

In: 0.000+/-0.000 χ^2/NDF:4533307.3/39

Out: 0.000+/-0.000 χ^2/NDF:3613449.1/42

All: 0.000+/-0.000 χ^2/NDF: 8239322.5/82

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.012+/-0.131 χ^2/NDF: 35.6/18

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

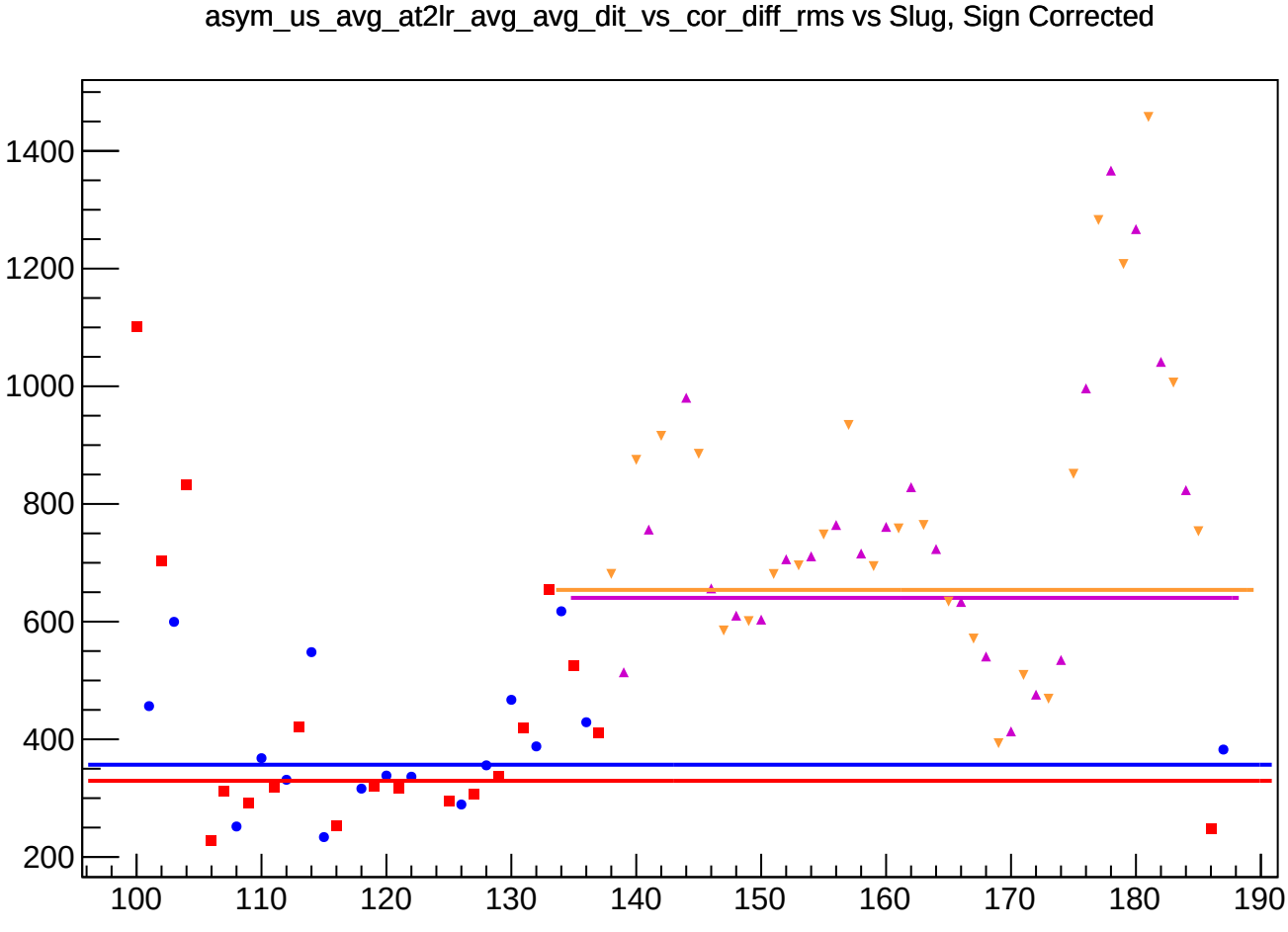
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.042+/-0.095 χ^2/NDF: 49.9/35

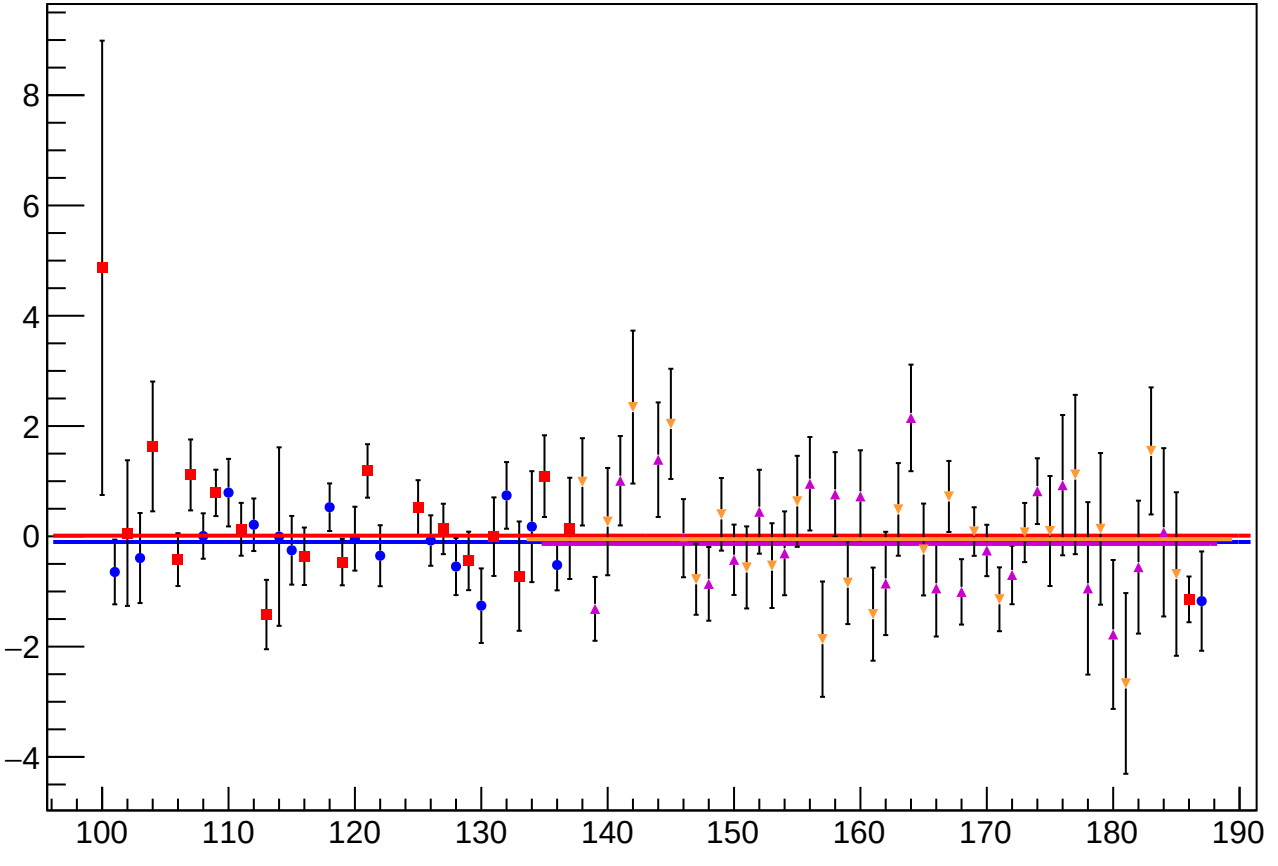
In: -0.118+/-0.104 χ^2/NDF:44.0/39

Out: -0.014+/-0.102 χ^2/NDF:65.8/42

All: -0.065+/-0.073 χ^2/NDF: 110.3/82


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 356.812+/-0.098 χ²/NDF: 786785.9/16
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 329.475+/-0.093 χ²/NDF: 1287427.3/18
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
Left: 647.014+/-0.080 χ²/NDF: 5779634.4/46
Right: 342.400+/-0.067 χ²/NDF: 2115443.8/35
In: 479.892+/-0.074 χ²/NDF:7087415.8/39
Out: 458.300+/-0.072 χ²/NDF:9289511.3/42
All: 468.849+/-0.051 χ²/NDF: 16421012.3/82

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.012+/-0.131 χ^2/NDF: 35.6/18

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

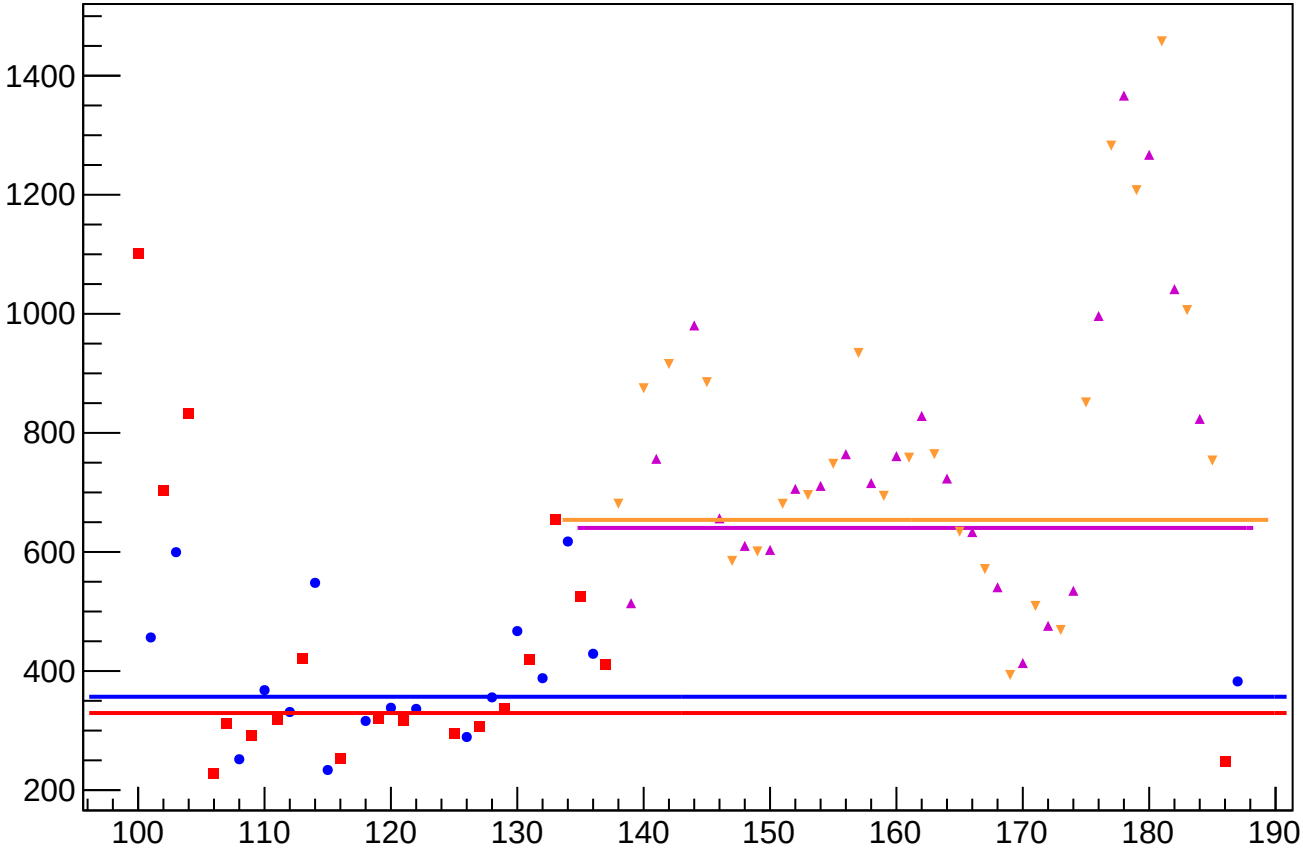
Right: -0.042+/-0.095 χ^2/NDF: 49.9/35

In: -0.118+/-0.104 χ^2/NDF:44.0/39

Out: -0.014+/-0.102 χ^2/NDF:65.8/42

All: -0.065+/-0.073 χ^2/NDF: 110.3/82

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.812+/-0.098 χ^2/NDF: 786785.9/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 329.475+/-0.093 χ^2/NDF: 1287427.3/18

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

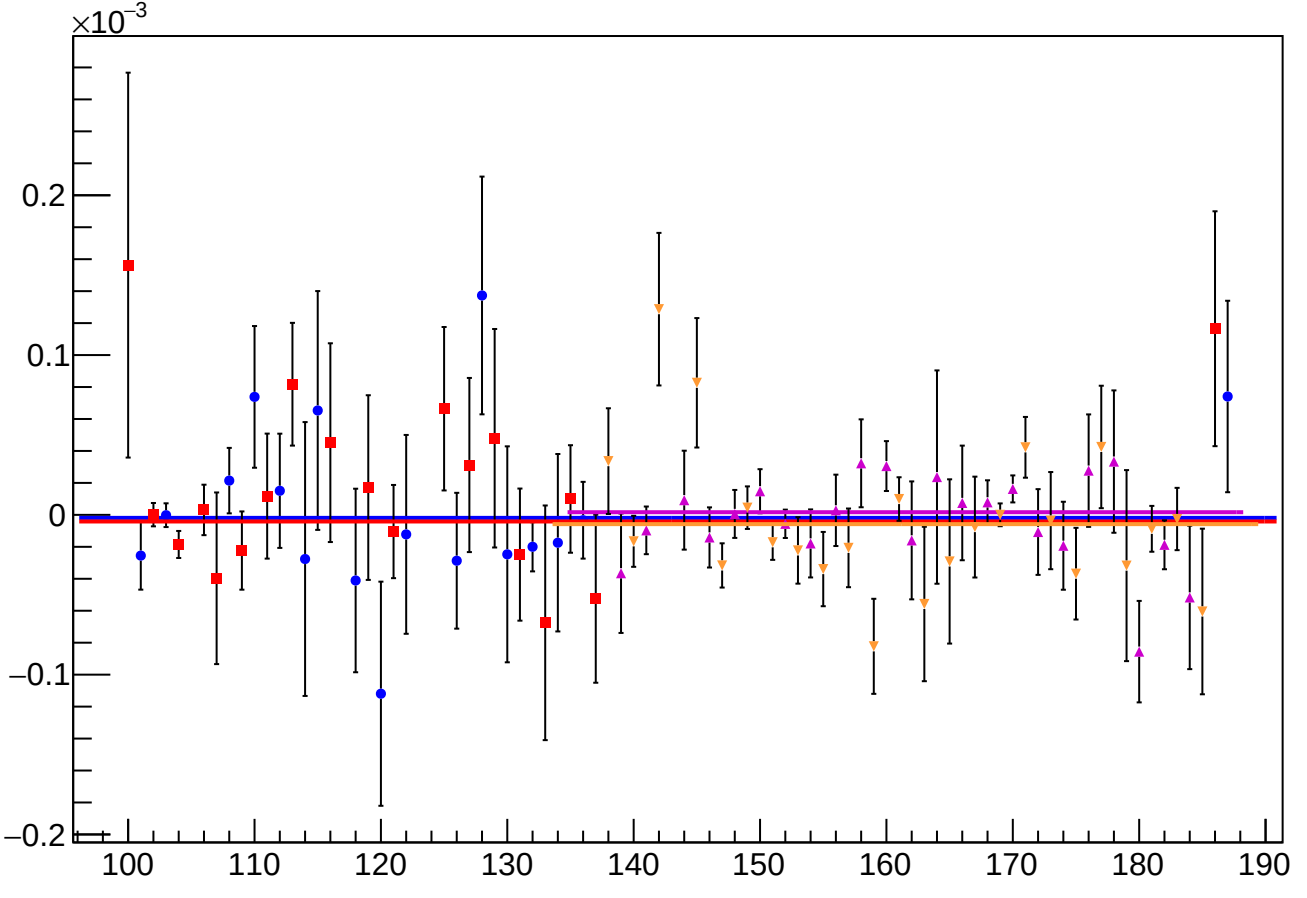
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 342.400+/-0.067 χ^2/NDF: 2115443.8/35

In: 479.892+/-0.074 χ^2/NDF:7087415.8/39

Out: 458.300+/-0.072 χ^2/NDF:9289511.3/42

All: 468.849+/-0.051 χ^2/NDF: 16421012.3/82



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/18

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

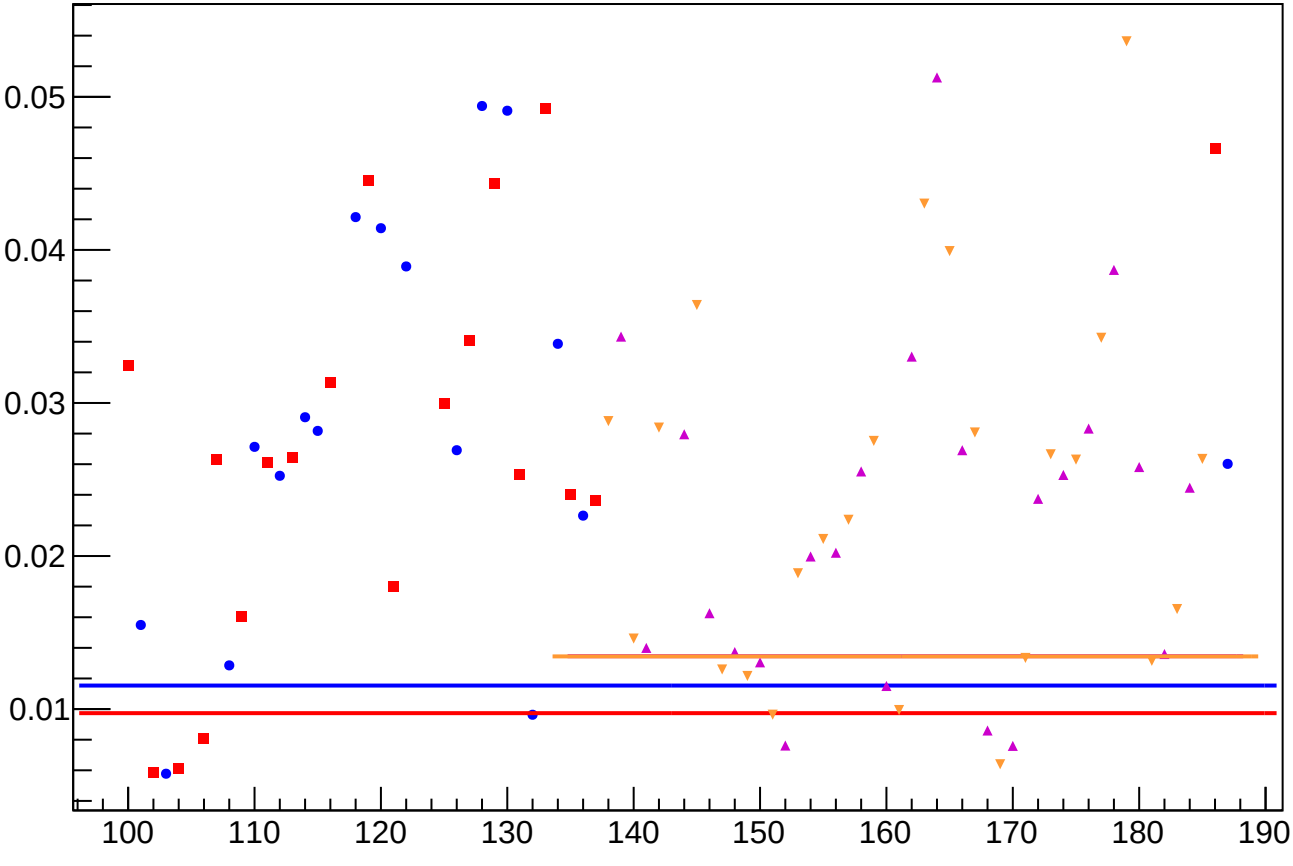
Right: -0.000+/-0.000 χ^2/NDF: 36.5/35

In: 0.000+/-0.000 χ^2/NDF:42.5/39

Out: -0.000+/-0.000 χ^2/NDF:62.5/42

All: -0.000+/-0.000 χ^2/NDF: 106.8/82

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 5618557.7/16

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.010+/-0.000 χ^2/NDF: 6294370.2/18

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

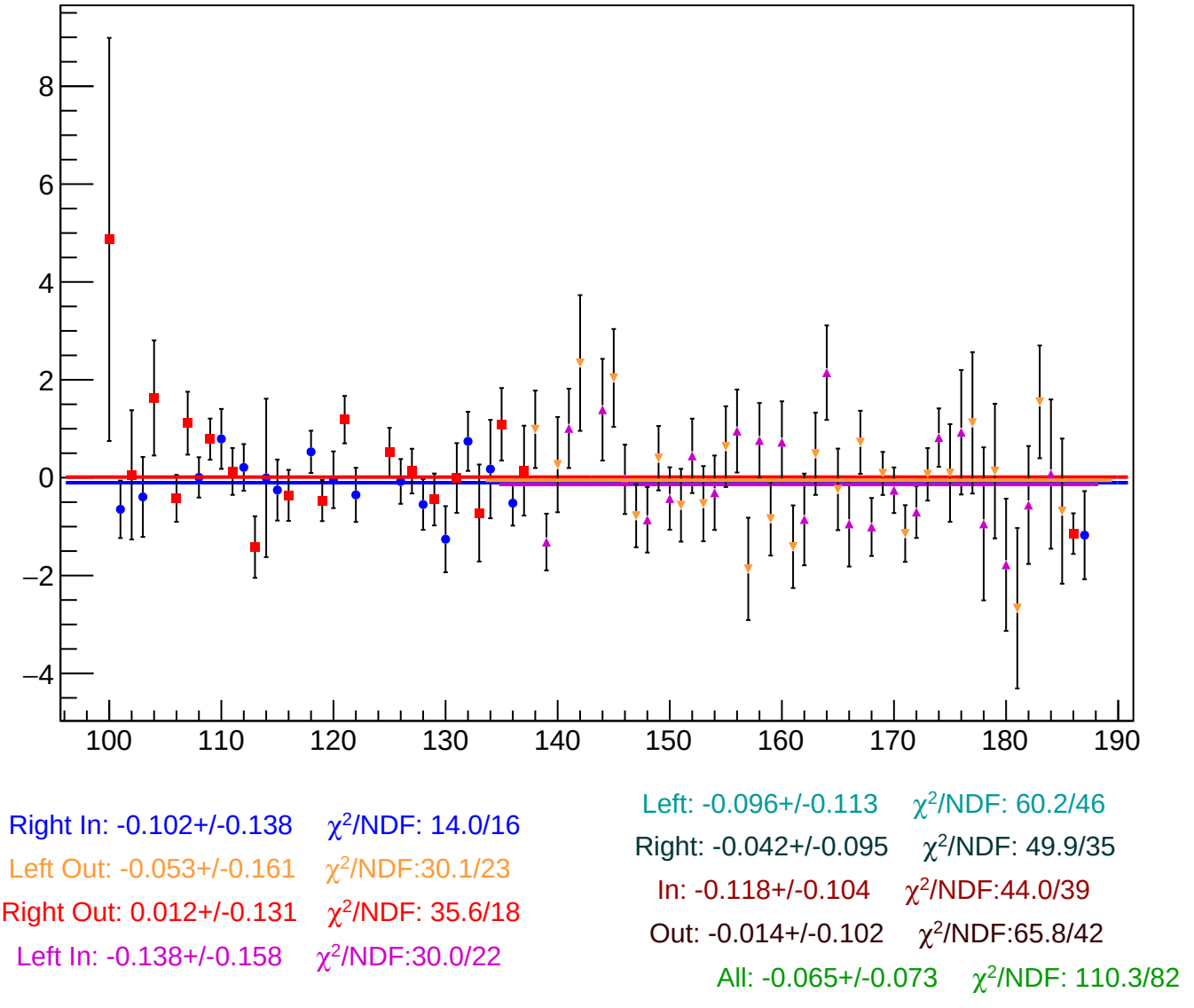
Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

Right: 0.010+/-0.000 χ^2/NDF: 12035824.1/35

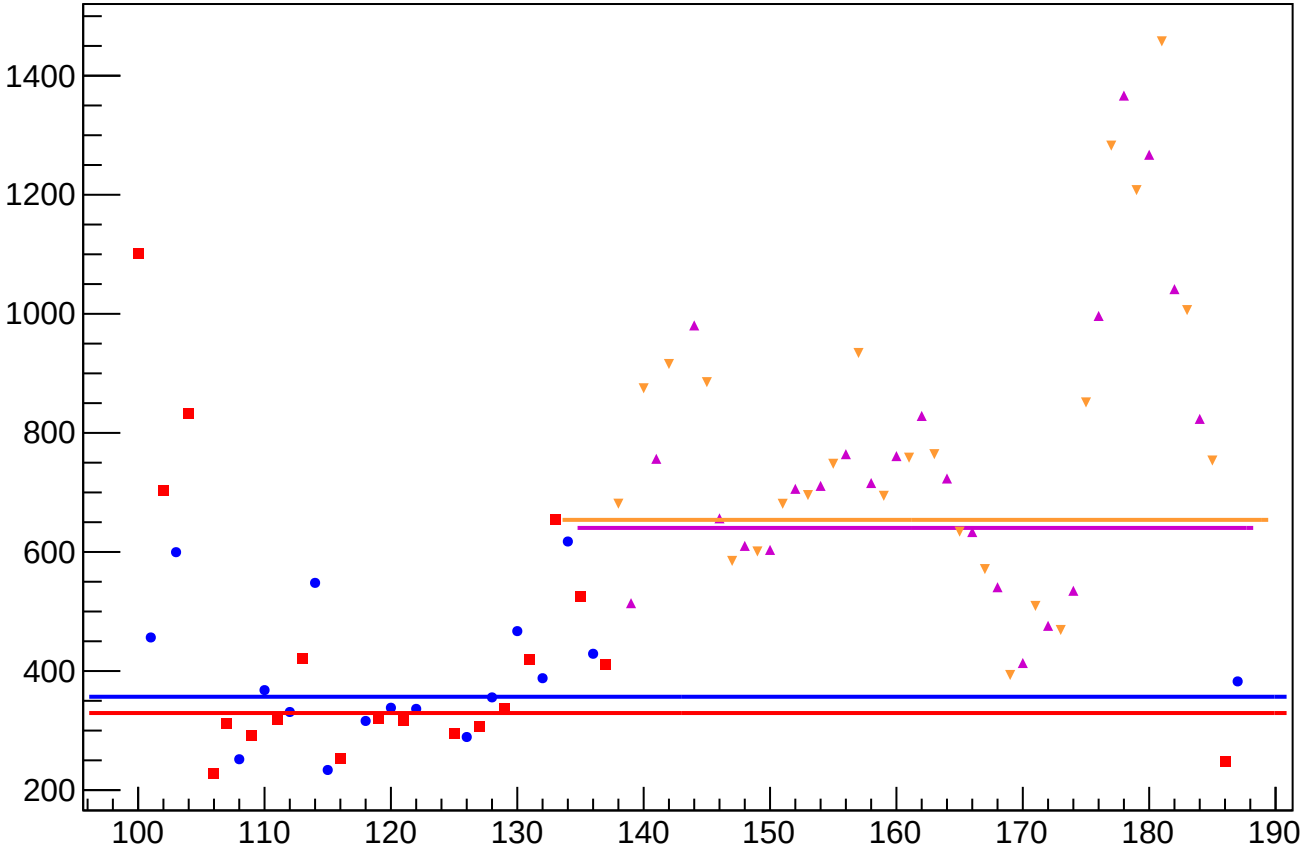
In: 0.013+/-0.000 χ^2/NDF:13331891.5/39

Out: 0.012+/-0.000 χ^2/NDF:15914861.8/42

All: 0.012+/-0.000 χ^2/NDF: 29323666.7/82


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.102+/-0.138 χ²/NDF: 14.0/16
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: 0.012+/-0.131 χ²/NDF: 35.6/18
Left In: -0.138+/-0.158 χ²/NDF:30.0/22
Left: -0.096+/-0.113 χ²/NDF: 60.2/46
Right: -0.042+/-0.095 χ²/NDF: 49.9/35
In: -0.118+/-0.104 χ²/NDF:44.0/39
Out: -0.014+/-0.102 χ²/NDF:65.8/42
All: -0.065+/-0.073 χ²/NDF: 110.3/82

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.811+/-0.098 χ^2/NDF: 786752.6/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 329.471+/-0.093 χ^2/NDF: 1287444.3/18

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

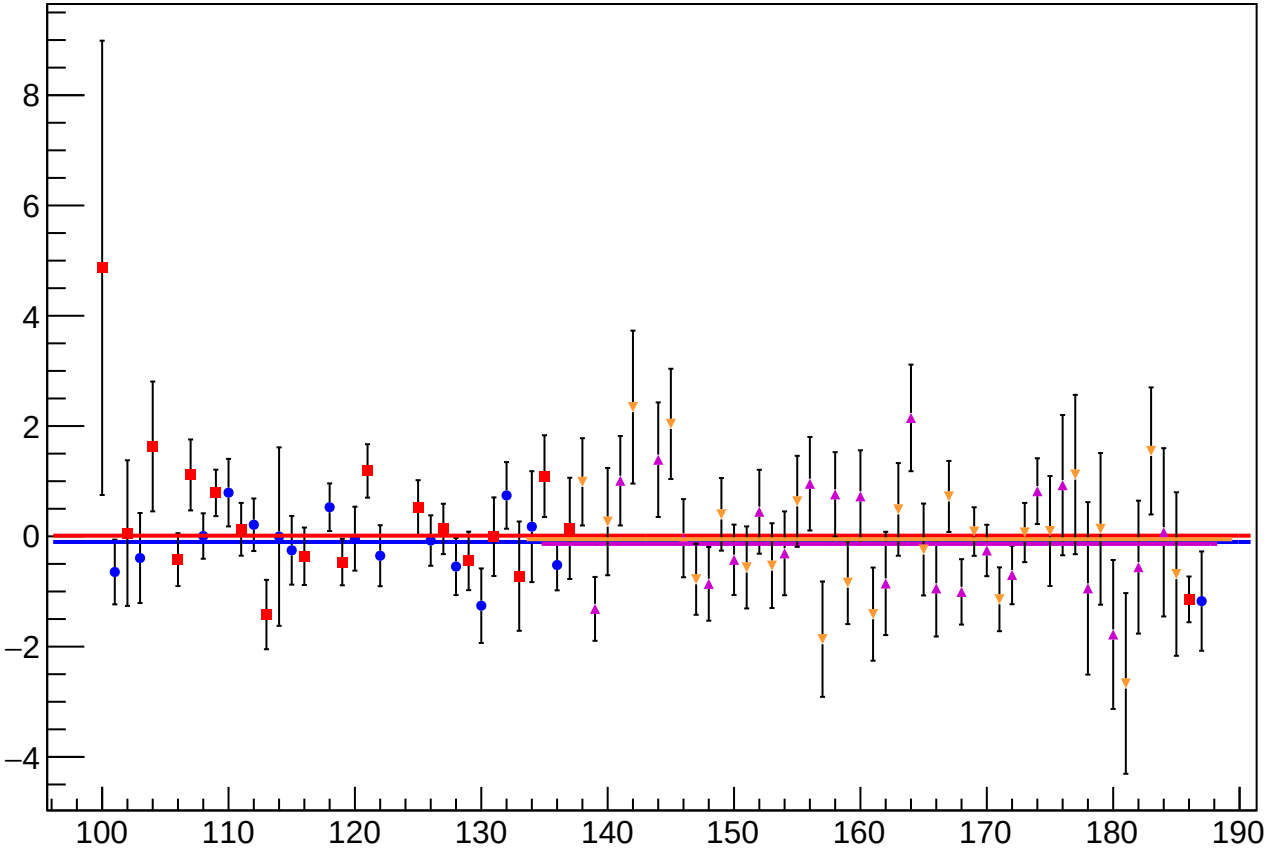
Right: 342.397+/-0.067 χ^2/NDF: 2115438.0/35

In: 479.891+/-0.074 χ^2/NDF:7087625.4/39

Out: 458.295+/-0.072 χ^2/NDF:9289925.0/42

All: 468.846+/-0.051 χ^2/NDF: 16421653.0/82

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.012+/-0.131 χ^2/NDF: 35.6/18

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

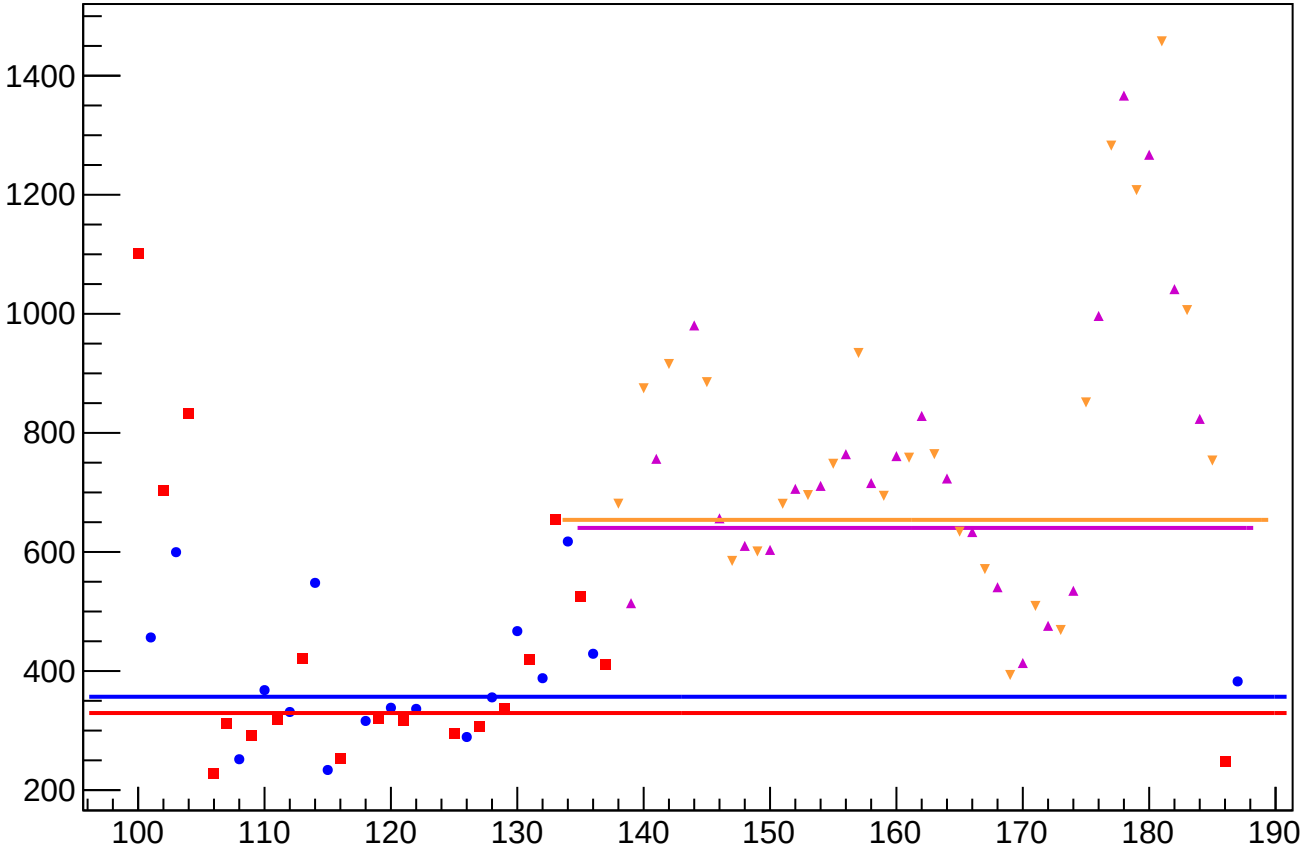
Right: -0.042+/-0.095 χ^2/NDF: 49.9/35

In: -0.118+/-0.104 χ^2/NDF:44.0/39

Out: -0.014+/-0.102 χ^2/NDF:65.8/42

All: -0.065+/-0.073 χ^2/NDF: 110.3/82

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.811+/-0.098 χ^2/NDF: 786752.6/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 329.471+/-0.093 χ^2/NDF: 1287444.3/18

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

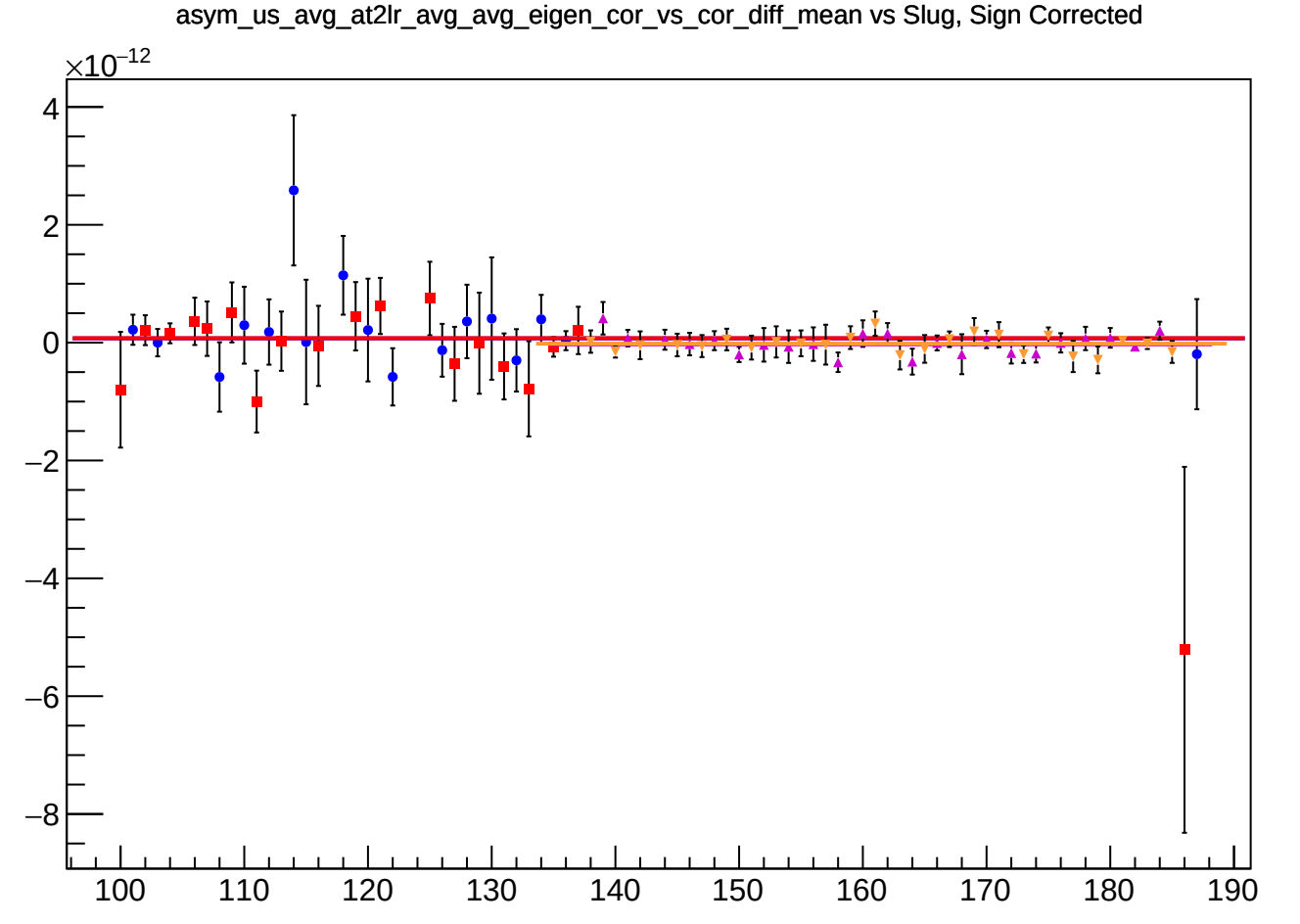
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 342.397+/-0.067 χ^2/NDF: 2115438.0/35

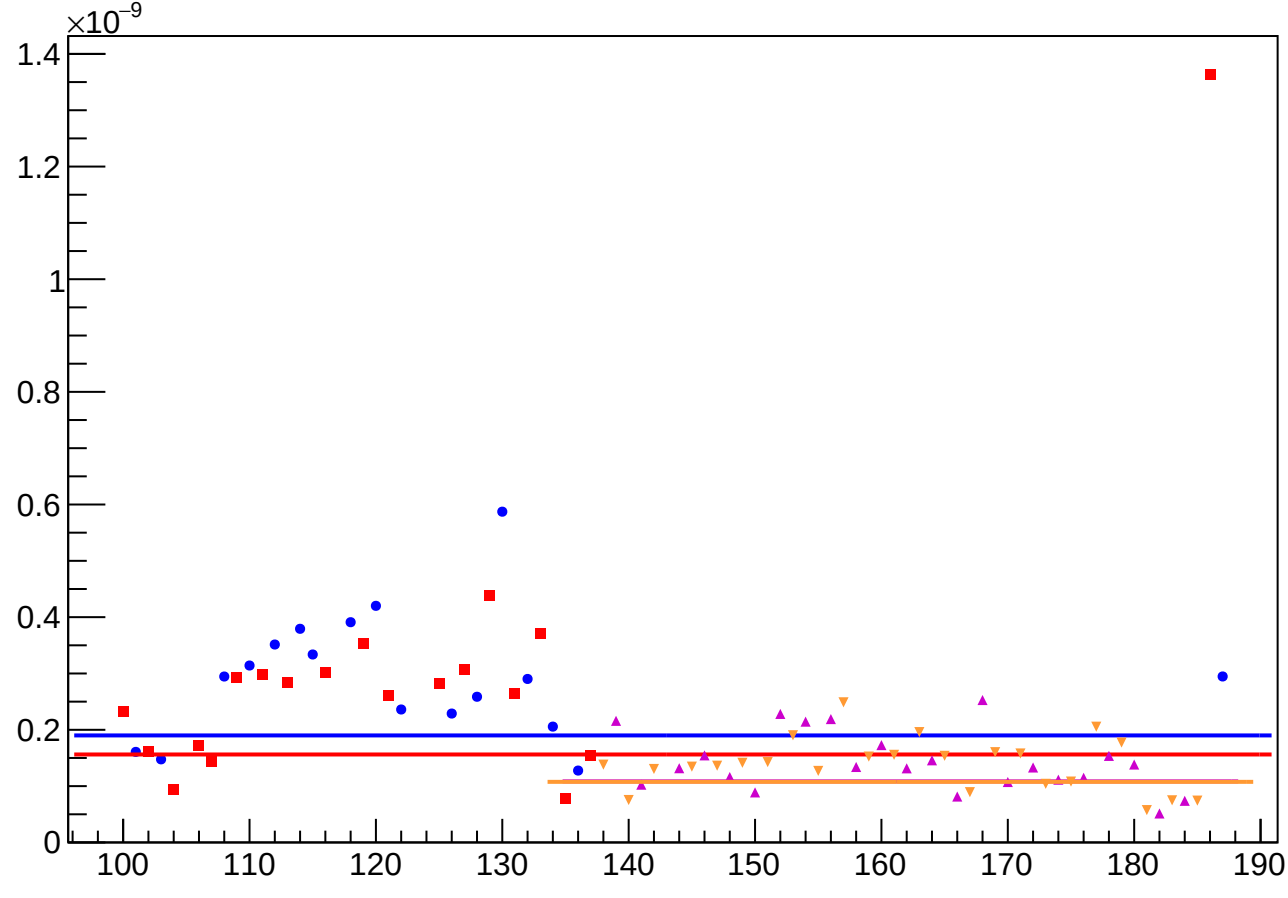
In: 479.891+/-0.074 χ^2/NDF:7087625.4/39

Out: 458.295+/-0.072 χ^2/NDF:9289925.0/42

All: 468.846+/-0.051 χ^2/NDF: 16421653.0/82


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 11.9/16
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 31.0/46
Right: 0.000+/-0.000 χ²/NDF: 27.8/35
In: -0.000+/-0.000 χ²/NDF:30.7/39
Out: -0.000+/-0.000 χ²/NDF:30.1/42
All: -0.000+/-0.000 χ²/NDF: 60.9/82

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: 1545963.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2503441.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

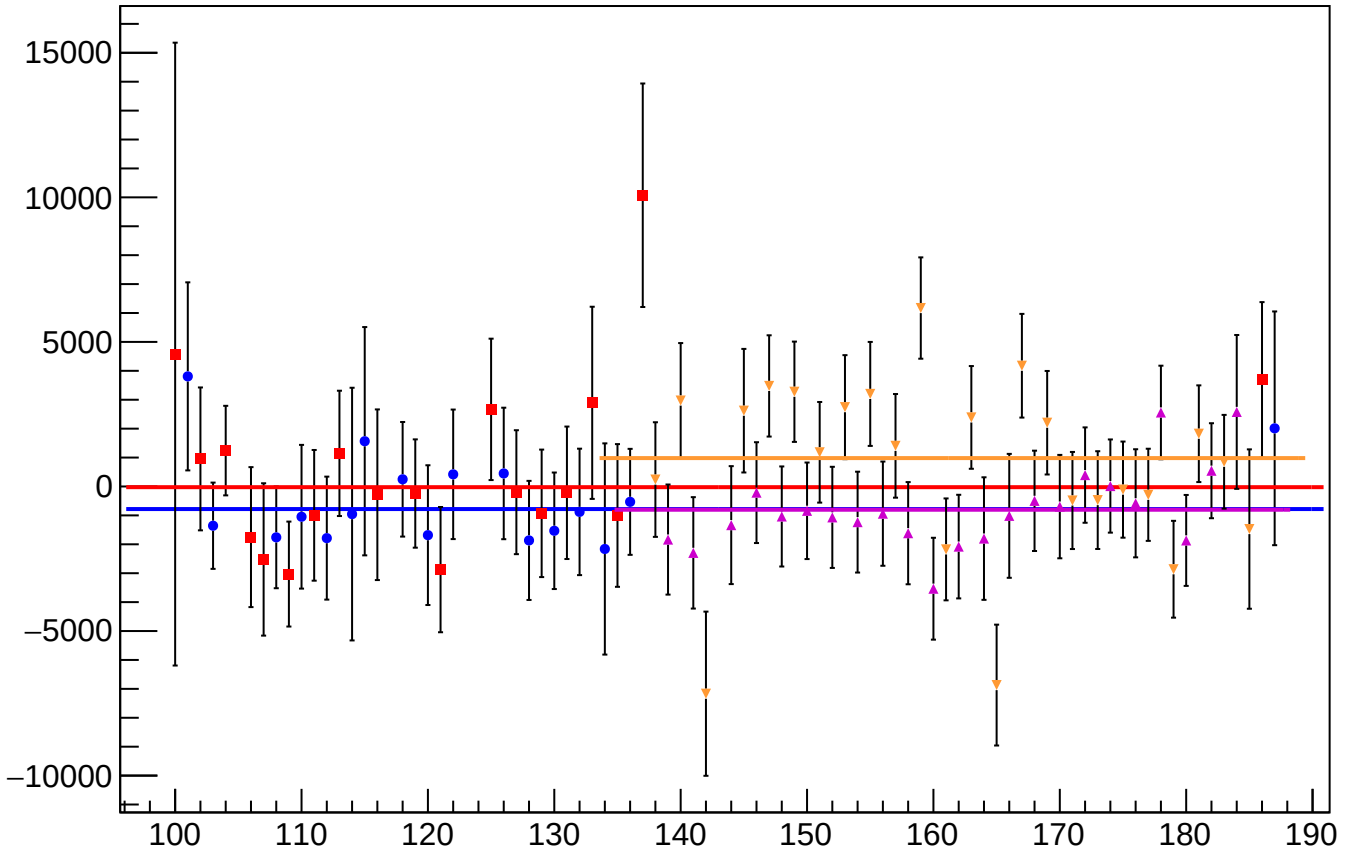
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 4188248.0/35

In: 0.000+/-0.000 χ^2/NDF:6708851.6/39

Out: 0.000+/-0.000 χ^2/NDF:6518124.0/42

All: 0.000+/-0.000 χ^2/NDF: 13237761.4/82



Right In: -780.866+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -24.233+/-536.797 χ^2/NDF: 18.4/18

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

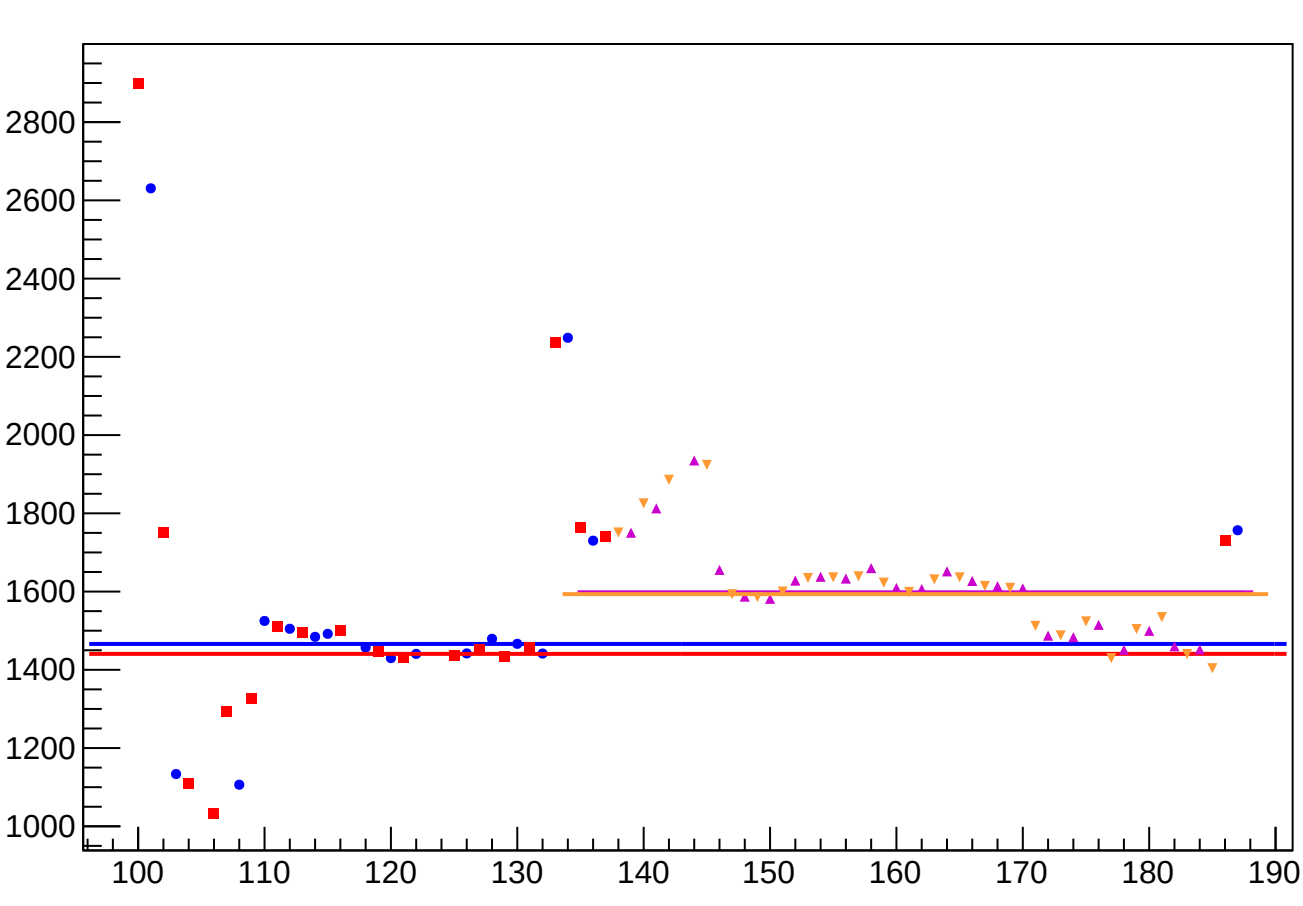
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -393.580+/-384.046 χ^2/NDF: 24.5/35

In: -796.615+/-309.251 χ^2/NDF:17.5/39

Out: 656.660+/-305.113 χ^2/NDF:76.4/42

All: -60.191+/-217.196 χ^2/NDF: 105.1/82



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.1/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1440.762+/-0.377 χ^2/NDF: 435336.4/18

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

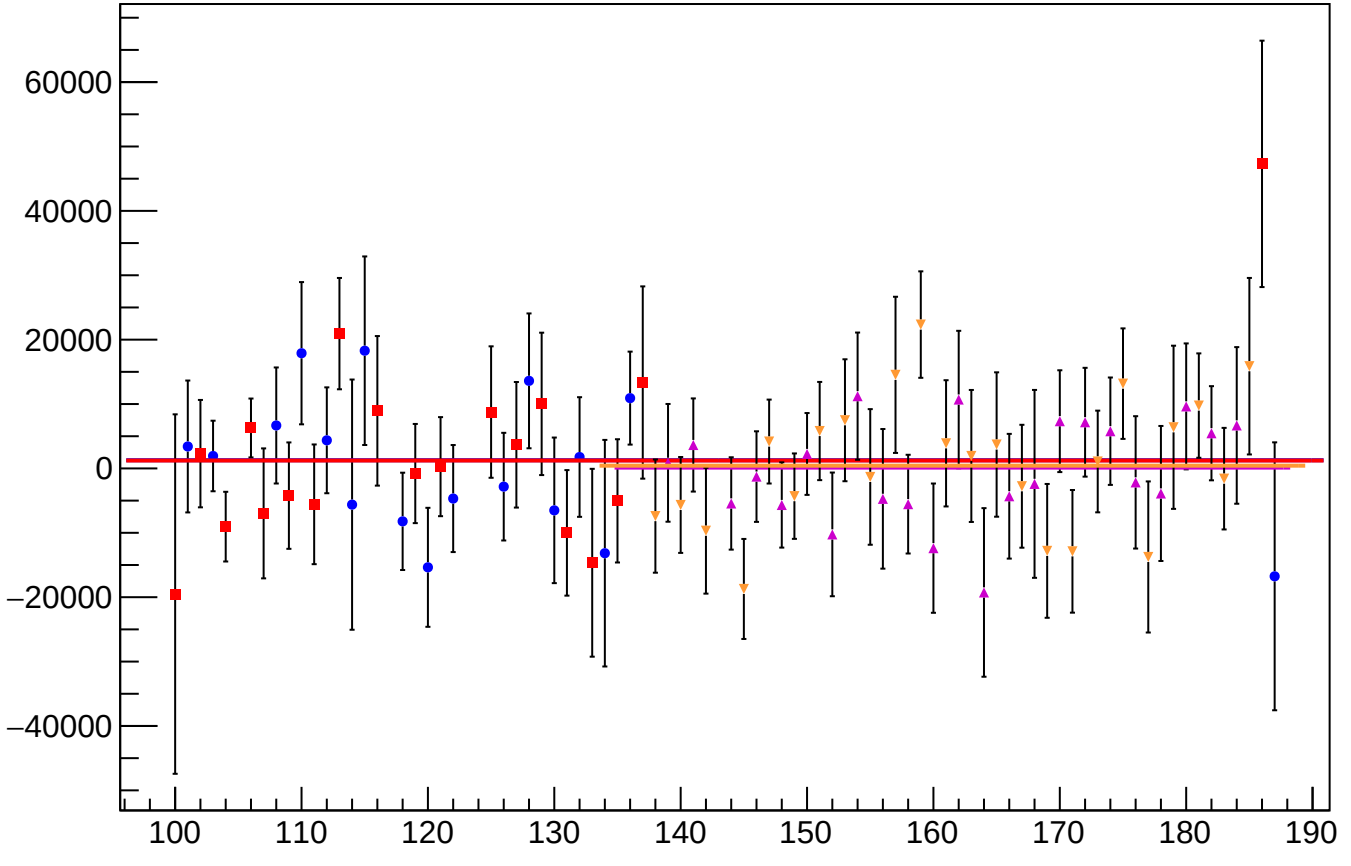
Right: 1453.055+/-0.271 χ^2/NDF: 1023803.0/35

In: 1556.341+/-0.219 χ^2/NDF:834244.9/39

Out: 1543.666+/-0.215 χ^2/NDF:733591.2/42

All: 1549.904+/-0.153 χ^2/NDF: 1569542.7/82

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1273.214+/-2254.673 χ^2/NDF: 14.9/16

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 1229.333+/-2000.534 χ^2/NDF: 23.4/18

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

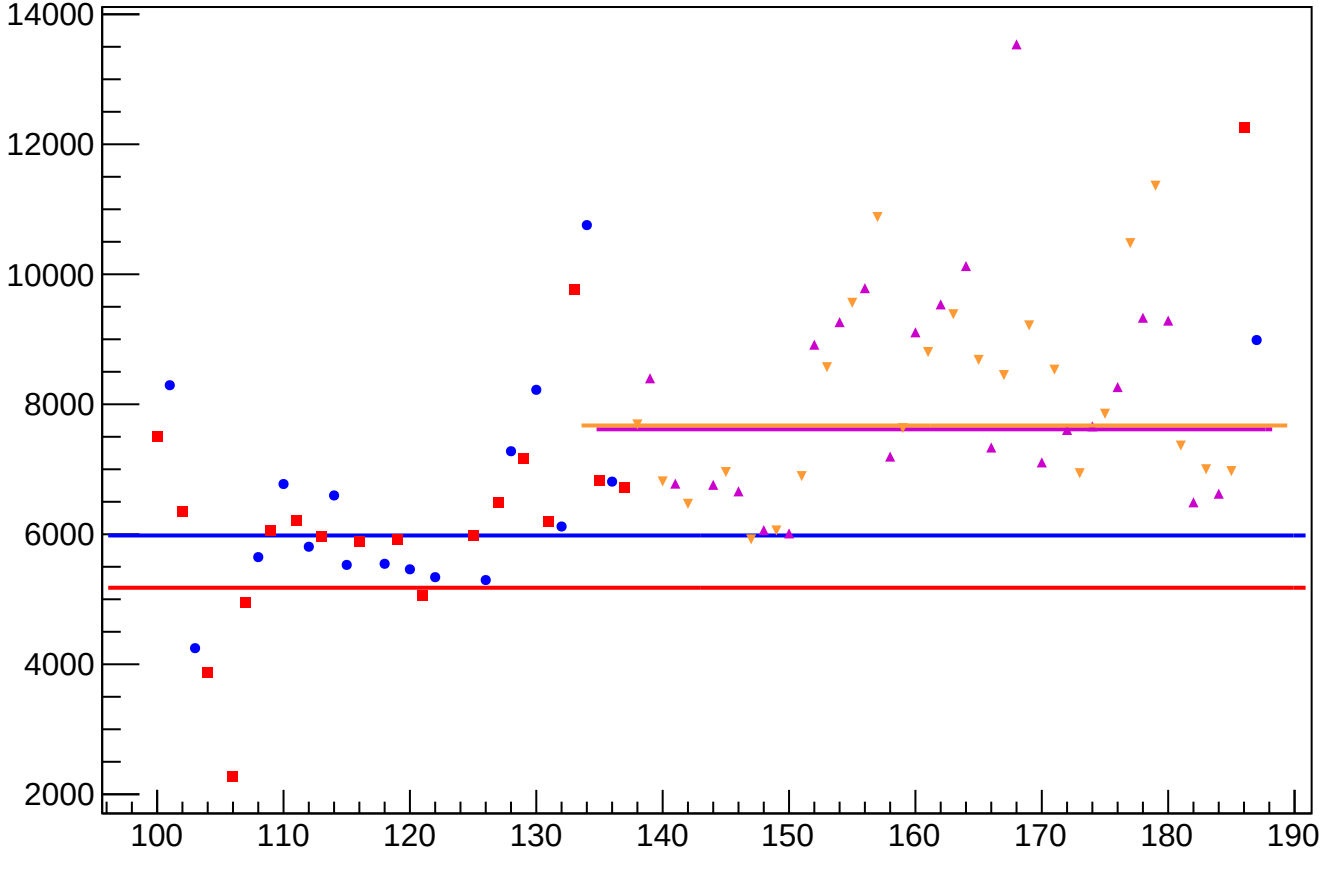
Right: 1248.662+/-1496.410 χ^2/NDF: 38.3/35

In: 577.269+/-1413.745 χ^2/NDF:29.0/39

Out: 790.148+/-1346.195 χ^2/NDF:52.9/42

All: 688.915+/-974.910 χ^2/NDF: 81.8/82

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5981.804+/-1.594 χ^2/NDF: 683390.2/16

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5177.559+/-1.415 χ^2/NDF: 1756776.4/18

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

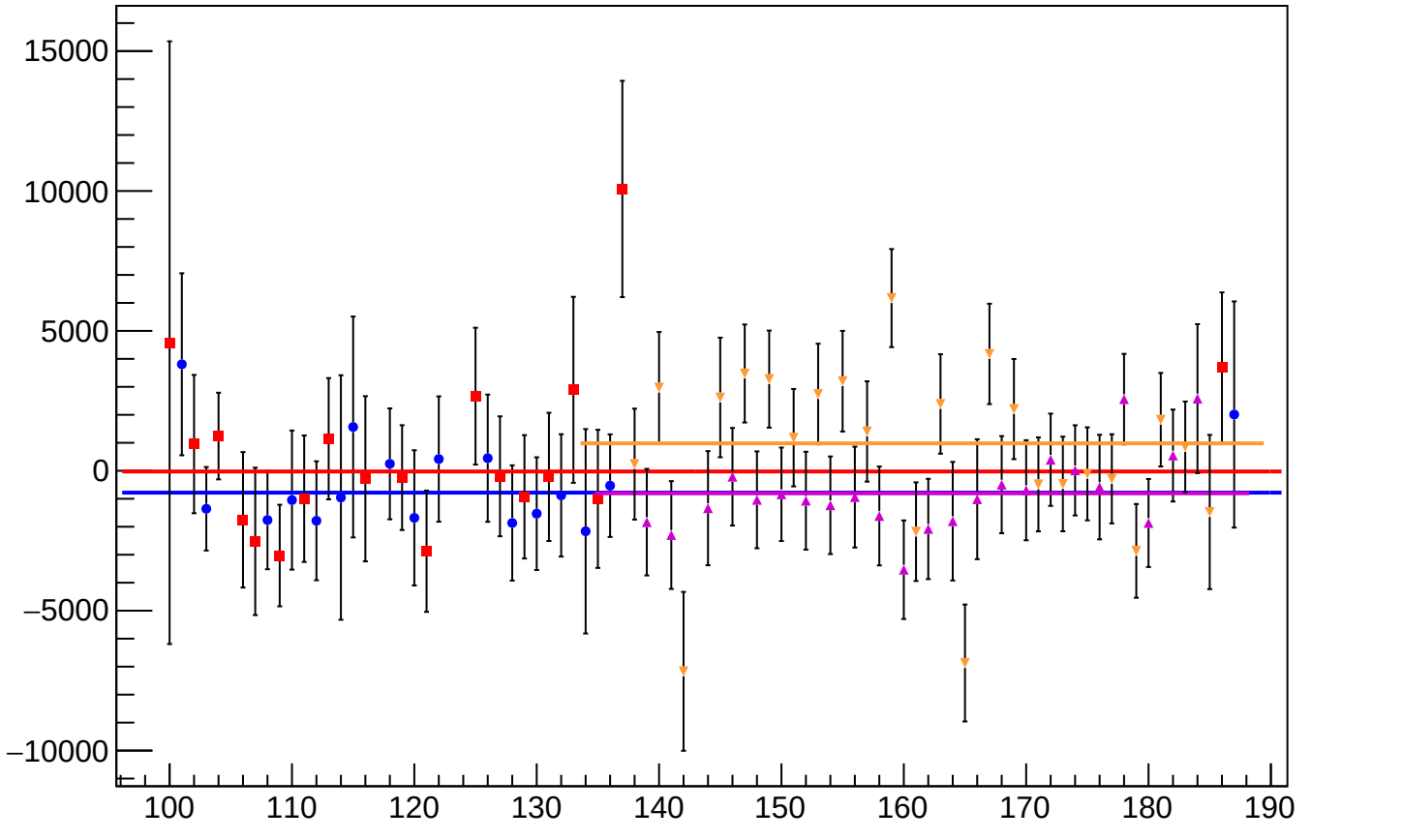
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 5531.819+/-1.058 χ^2/NDF: 2582546.9/35

In: 6972.868+/-1.000 χ^2/NDF:2544699.5/39

Out: 6543.598+/-0.952 χ^2/NDF:4537739.1/42

All: 6747.733+/-0.689 χ^2/NDF: 7179146.3/82



Right In: -780.934+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -24.091+/-536.797 χ^2/NDF: 18.4/18

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

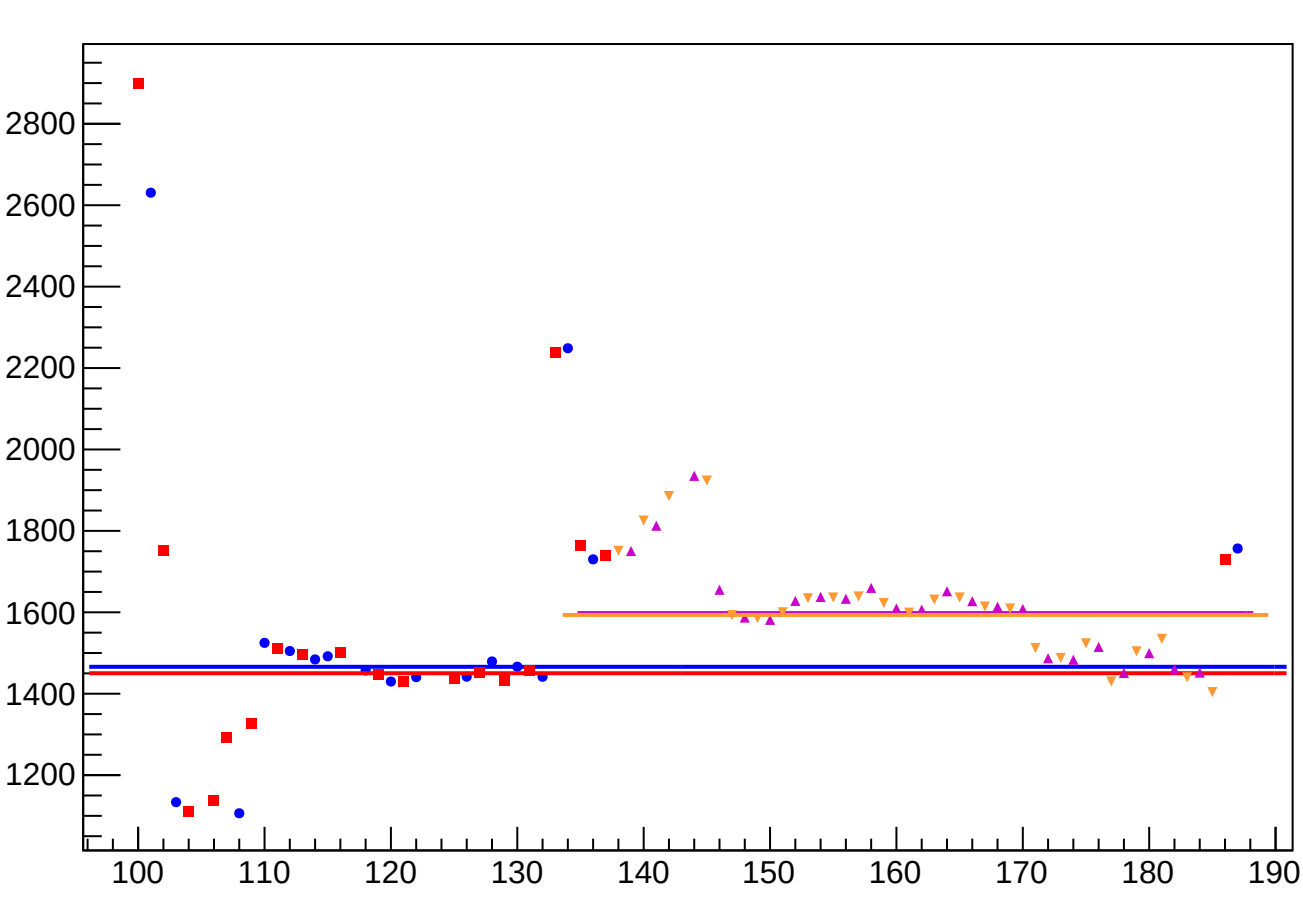
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -393.540+/-384.046 χ^2/NDF: 24.5/35

In: -796.551+/-309.251 χ^2/NDF:17.5/39

Out: 656.763+/-305.113 χ^2/NDF:76.4/42

All: -60.107+/-217.196 χ^2/NDF: 105.1/82



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.4/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1450.313+/-0.379 χ^2/NDF: 395881.9/18

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

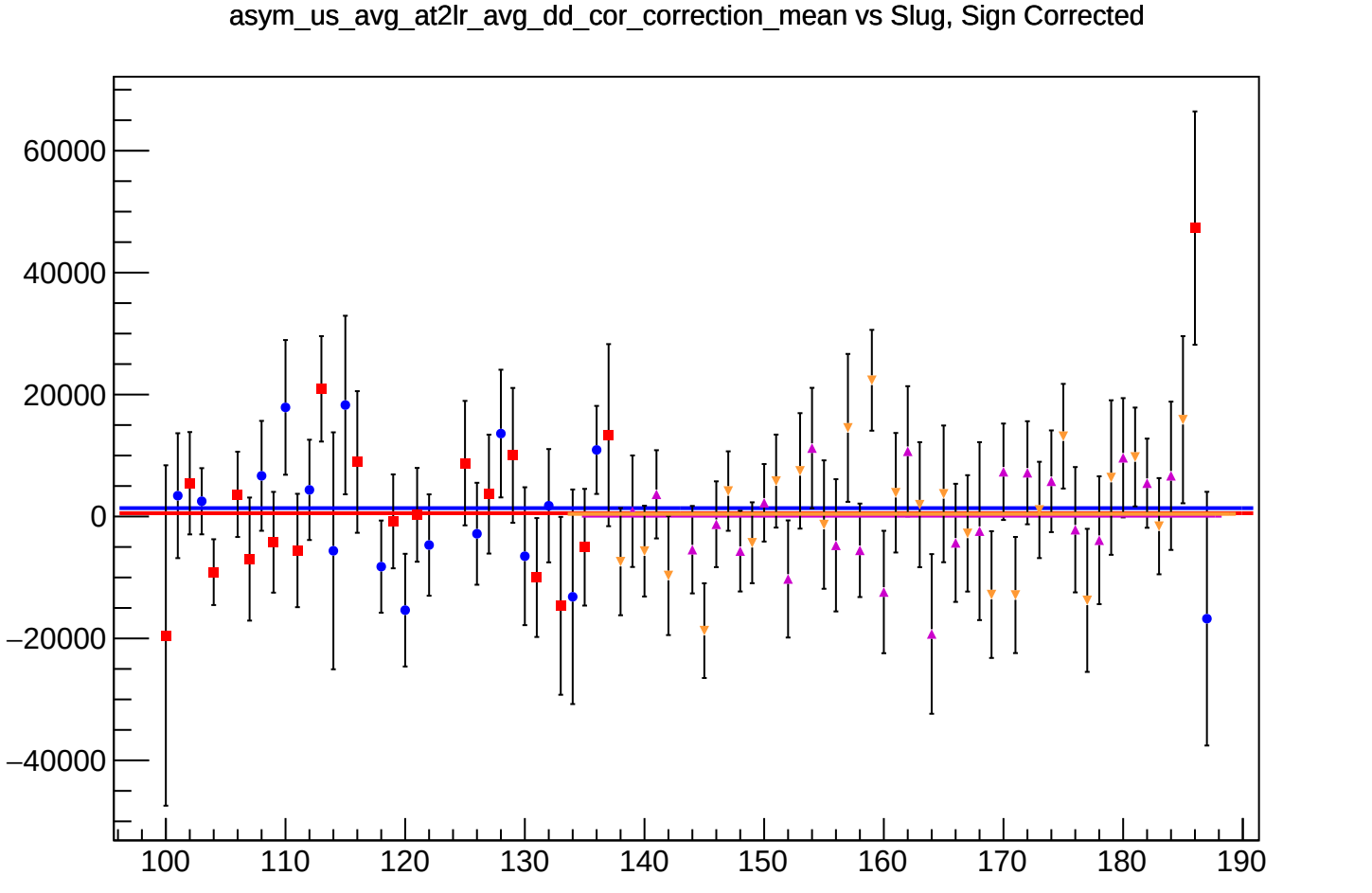
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1458.016+/-0.271 χ^2/NDF: 983002.6/35

In: 1556.341+/-0.219 χ^2/NDF:834245.3/39

Out: 1547.090+/-0.216 χ^2/NDF:680087.5/42

All: 1551.650+/-0.154 χ^2/NDF: 1515240.4/82



Right In: 1373.954+/-2250.971 χ^2/NDF: 15.0/16

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 540.435+/-2119.908 χ^2/NDF: 22.5/18

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

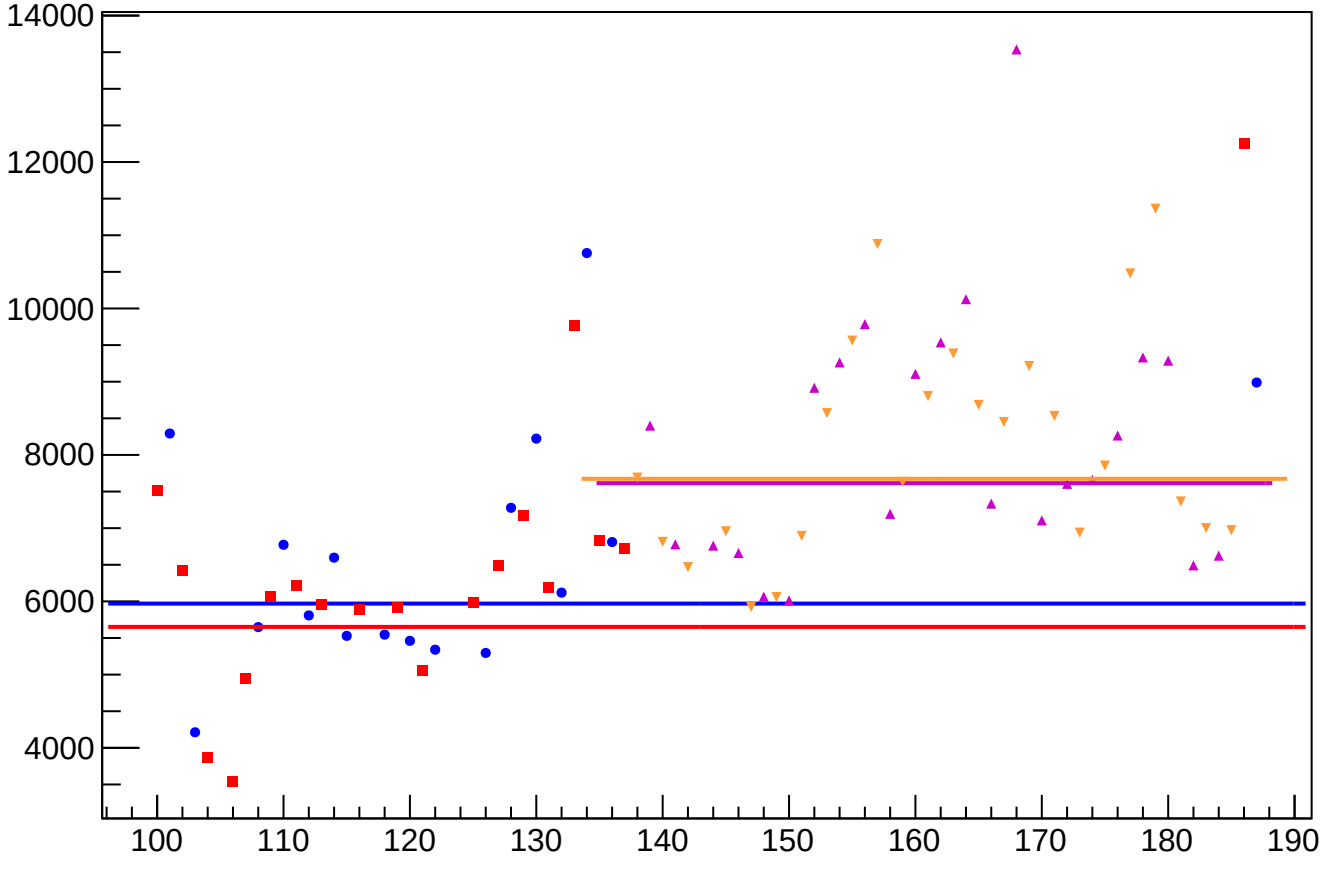
Right: 932.223+/-1543.256 χ^2/NDF: 37.5/35

In: 617.858+/-1412.830 χ^2/NDF:29.0/39

Out: 474.957+/-1380.849 χ^2/NDF:51.9/42

All: 544.772+/-987.521 χ^2/NDF: 80.9/82

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5969.956+/-1.592 χ^2/NDF: 695674.4/16

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 5651.627+/-1.499 χ^2/NDF: 964981.7/18

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

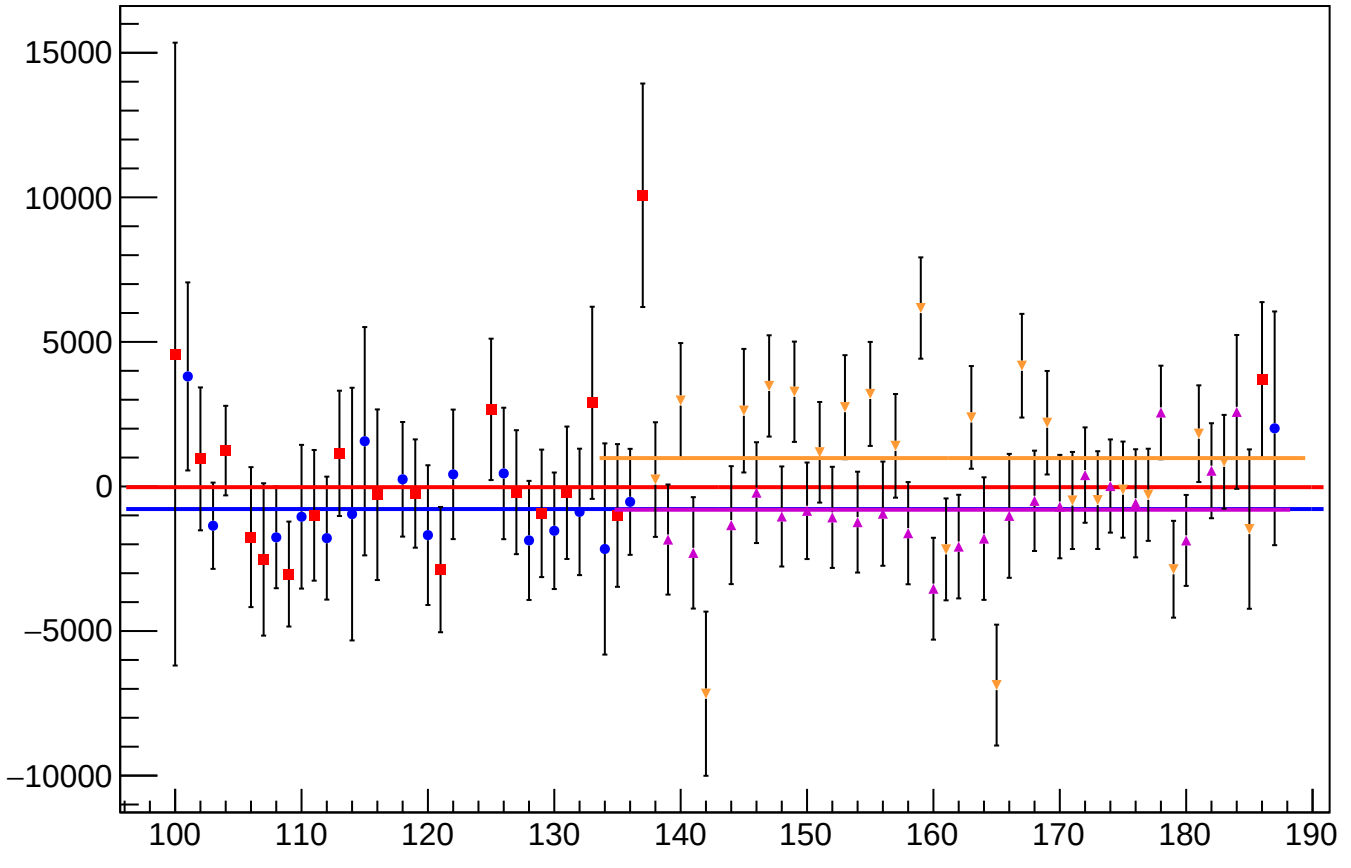
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 5801.255+/-1.091 χ^2/NDF: 1681853.4/35

In: 6966.914+/-0.999 χ^2/NDF:2567544.7/39

Out: 6815.973+/-0.976 χ^2/NDF:3089672.9/42

All: 6889.716+/-0.698 χ^2/NDF: 5668892.8/82



Right In: -780.934+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -24.091+/-536.797 χ^2/NDF: 18.4/18

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

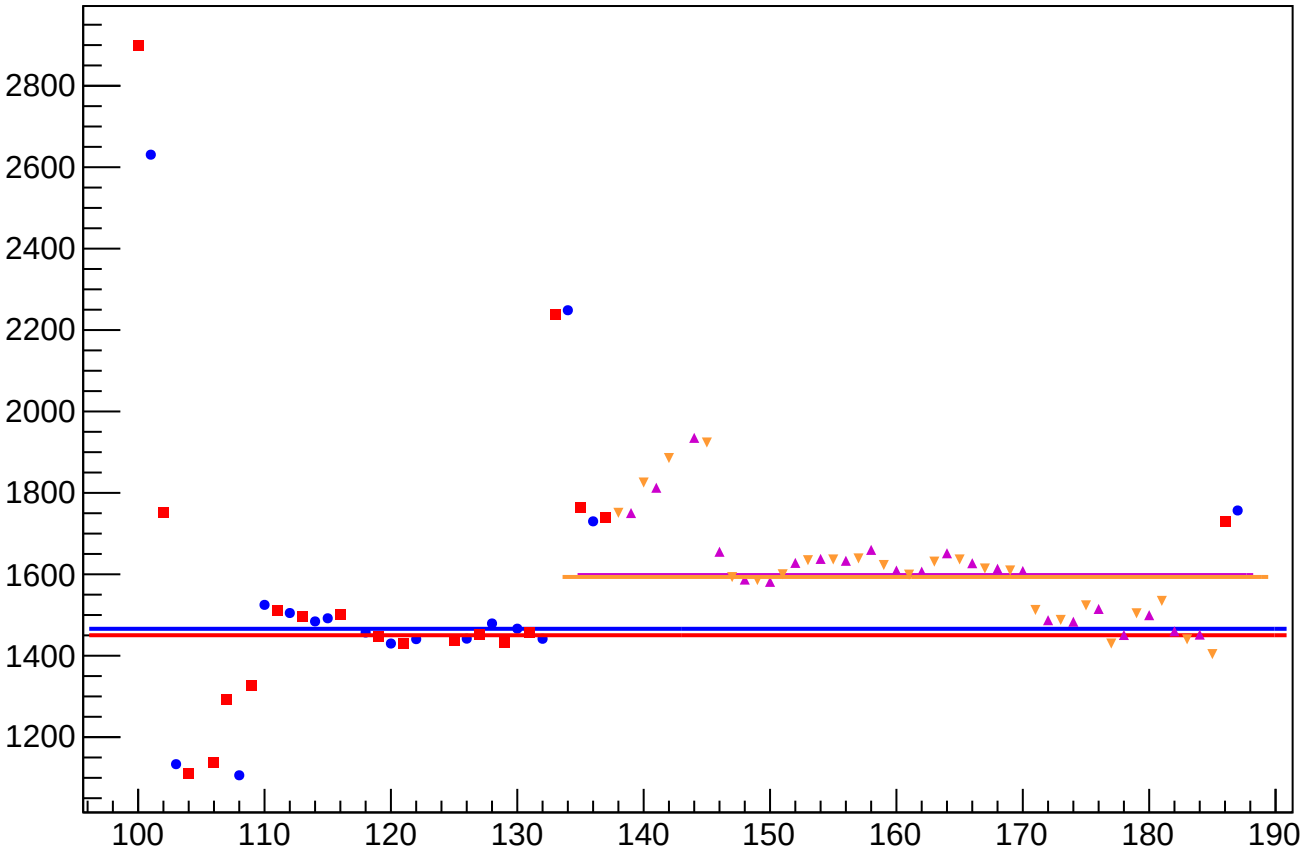
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -393.540+/-384.046 χ^2/NDF: 24.5/35

In: -796.551+/-309.251 χ^2/NDF:17.5/39

Out: 656.763+/-305.113 χ^2/NDF:76.4/42

All: -60.107+/-217.196 χ^2/NDF: 105.1/82



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.4/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1450.313+/-0.379 χ^2/NDF: 395881.9/18

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

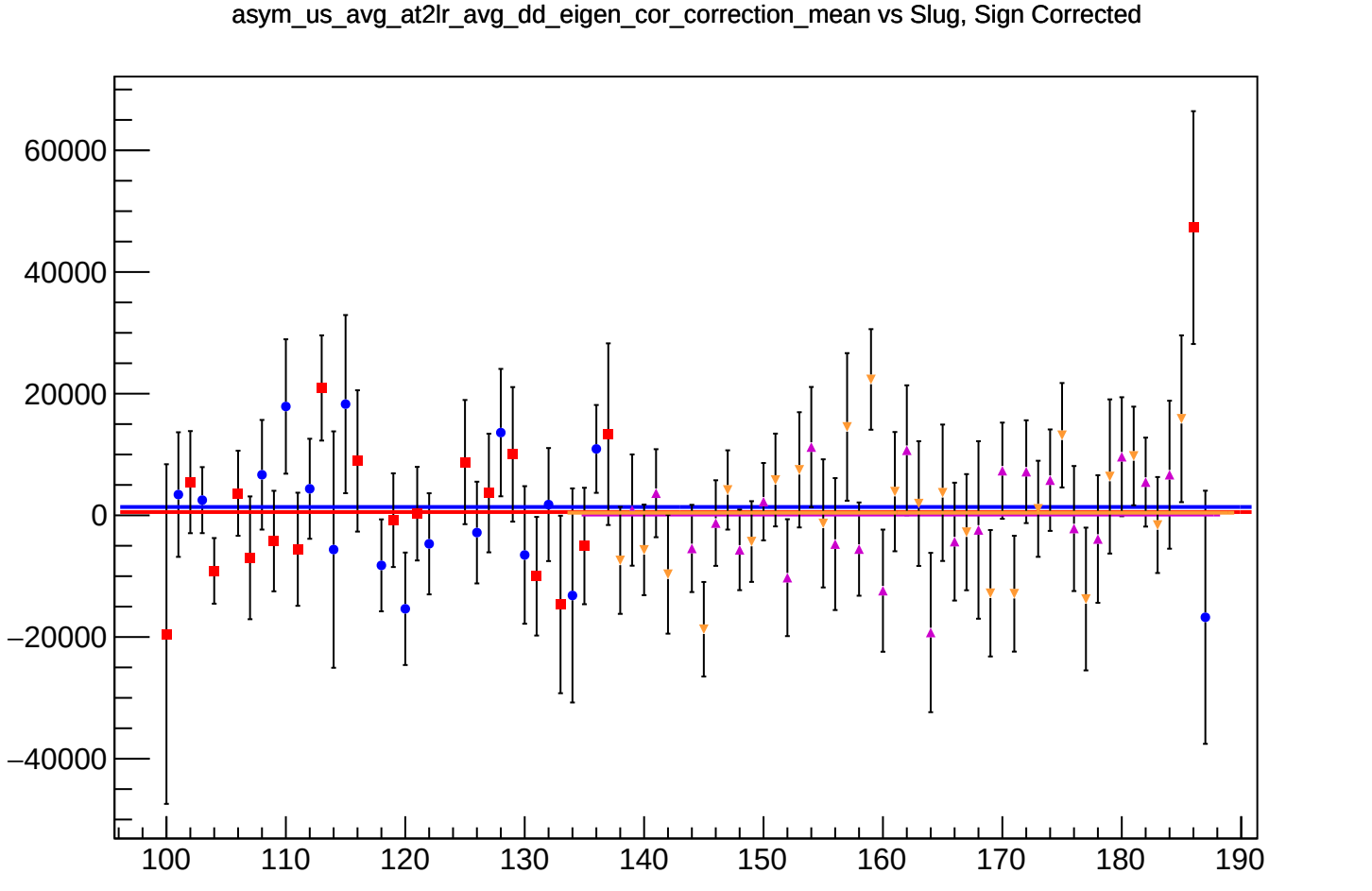
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1458.016+/-0.271 χ^2/NDF: 983002.6/35

In: 1556.341+/-0.219 χ^2/NDF:834245.3/39

Out: 1547.090+/-0.216 χ^2/NDF:680087.5/42

All: 1551.650+/-0.154 χ^2/NDF: 1515240.4/82



Right In: 1373.954+/-2250.971 χ^2/NDF: 15.0/16

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 540.435+/-2119.908 χ^2/NDF: 22.5/18

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

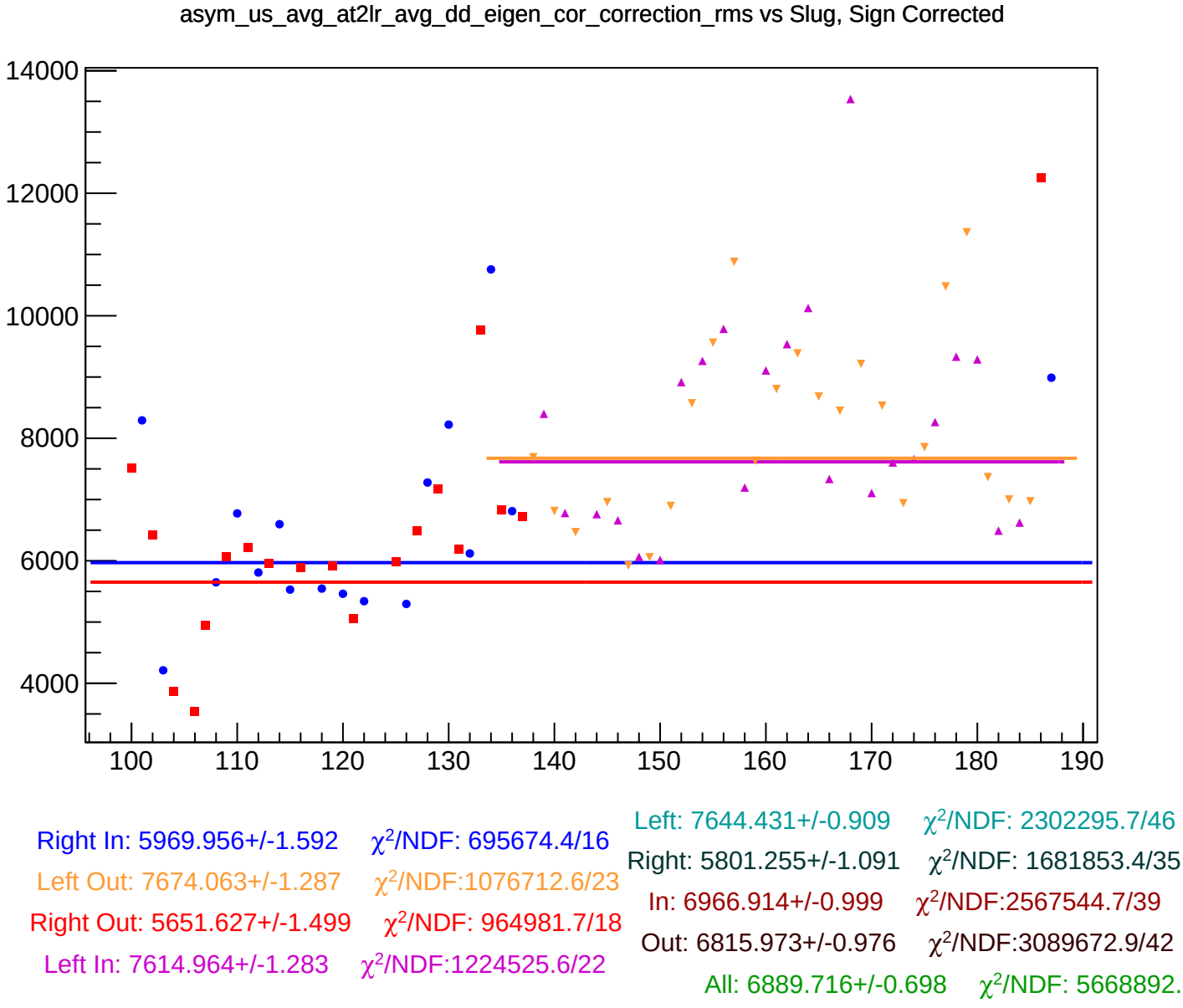
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 932.223+/-1543.256 χ^2/NDF: 37.5/35

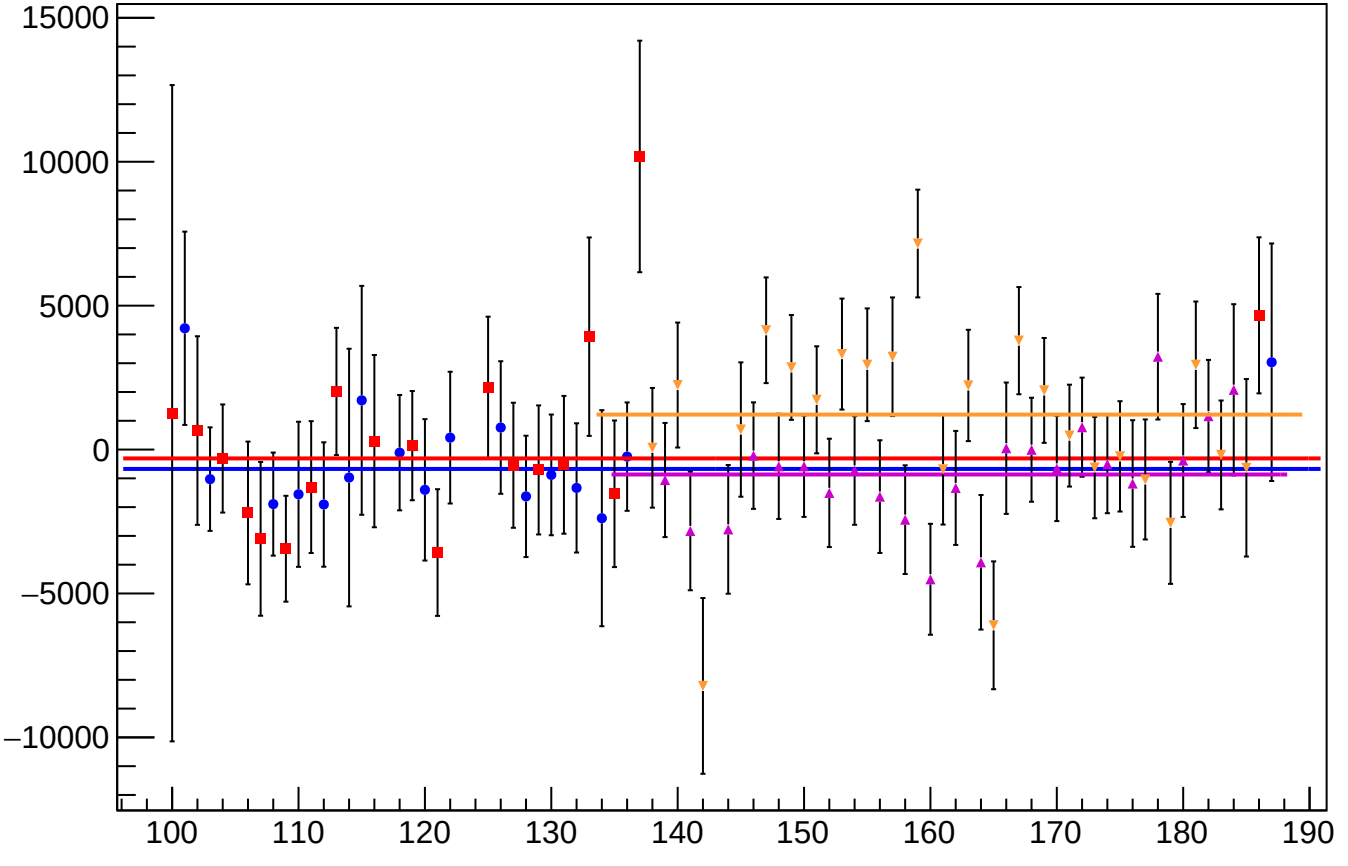
In: 617.858+/-1412.830 χ^2/NDF:29.0/39

Out: 474.957+/-1380.849 χ^2/NDF:51.9/42

All: 544.772+/-987.521 χ^2/NDF: 80.9/82


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 5969.956+/-1.592 χ²/NDF: 695674.4/16
Left Out: 7674.063+/-1.287 χ²/NDF:1076712.6/23
Right Out: 5651.627+/-1.499 χ²/NDF: 964981.7/18
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
Left: 7644.431+/-0.909 χ²/NDF: 2302295.7/46
Right: 5801.255+/-1.091 χ²/NDF: 1681853.4/35
In: 6966.914+/-0.999 χ²/NDF:2567544.7/39
Out: 6815.973+/-0.976 χ²/NDF:3089672.9/42
All: 6889.716+/-0.698 χ²/NDF: 5668892.8/82

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



Right In: -673.180+/-572.482 χ^2/NDF: 5.6/16

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -307.615+/-562.597 χ^2/NDF: 21.2/18

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

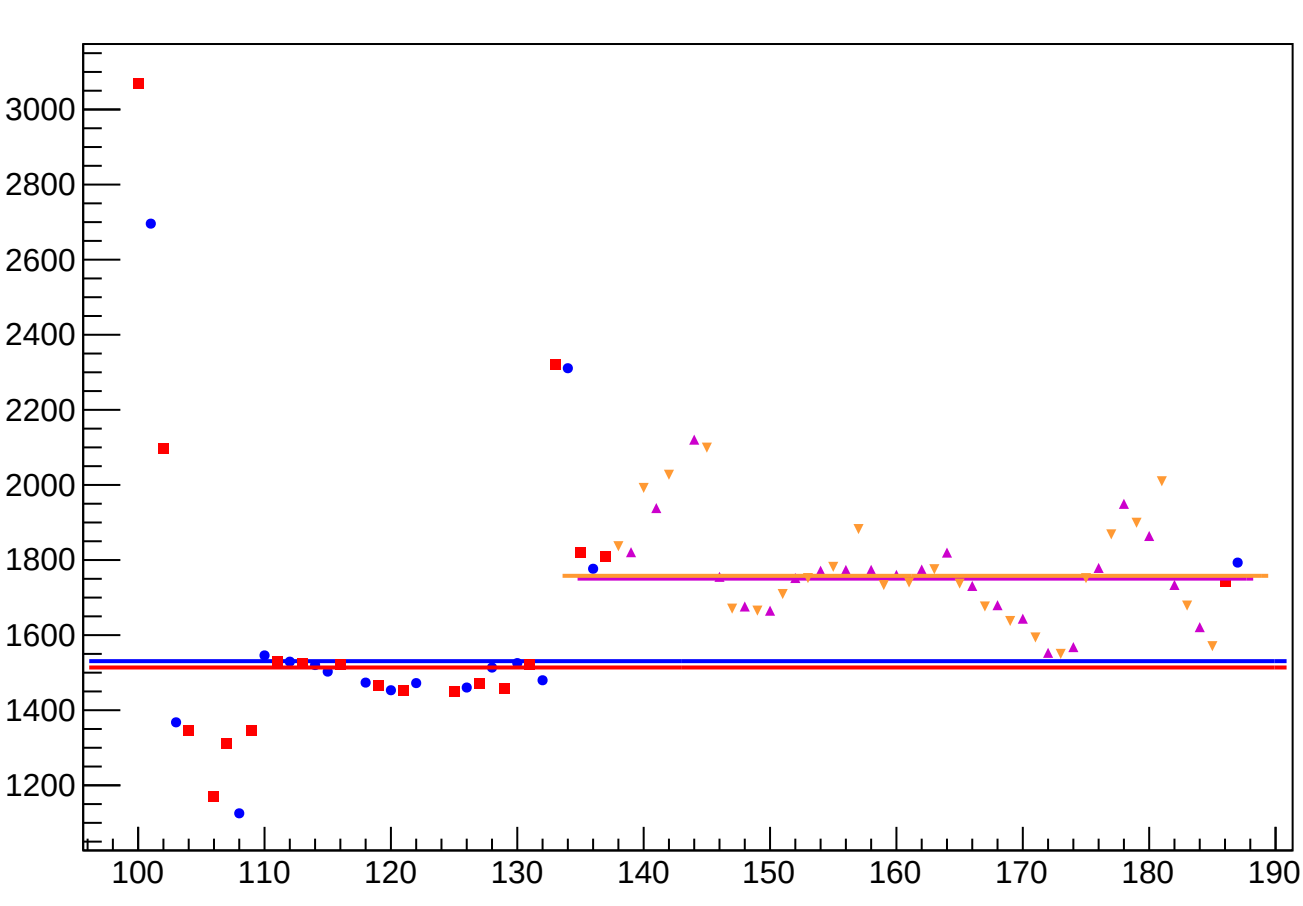
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -487.214+/-401.265 χ^2/NDF: 27.0/35

In: -800.636+/-333.352 χ^2/NDF:20.8/39

Out: 687.776+/-331.127 χ^2/NDF:74.5/42

All: -51.446+/-234.925 χ^2/NDF: 105.3/82



Right In: 1530.686+/-0.405 χ^2/NDF: 496578.6/16

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1513.790+/-0.398 χ^2/NDF: 353582.8/18

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

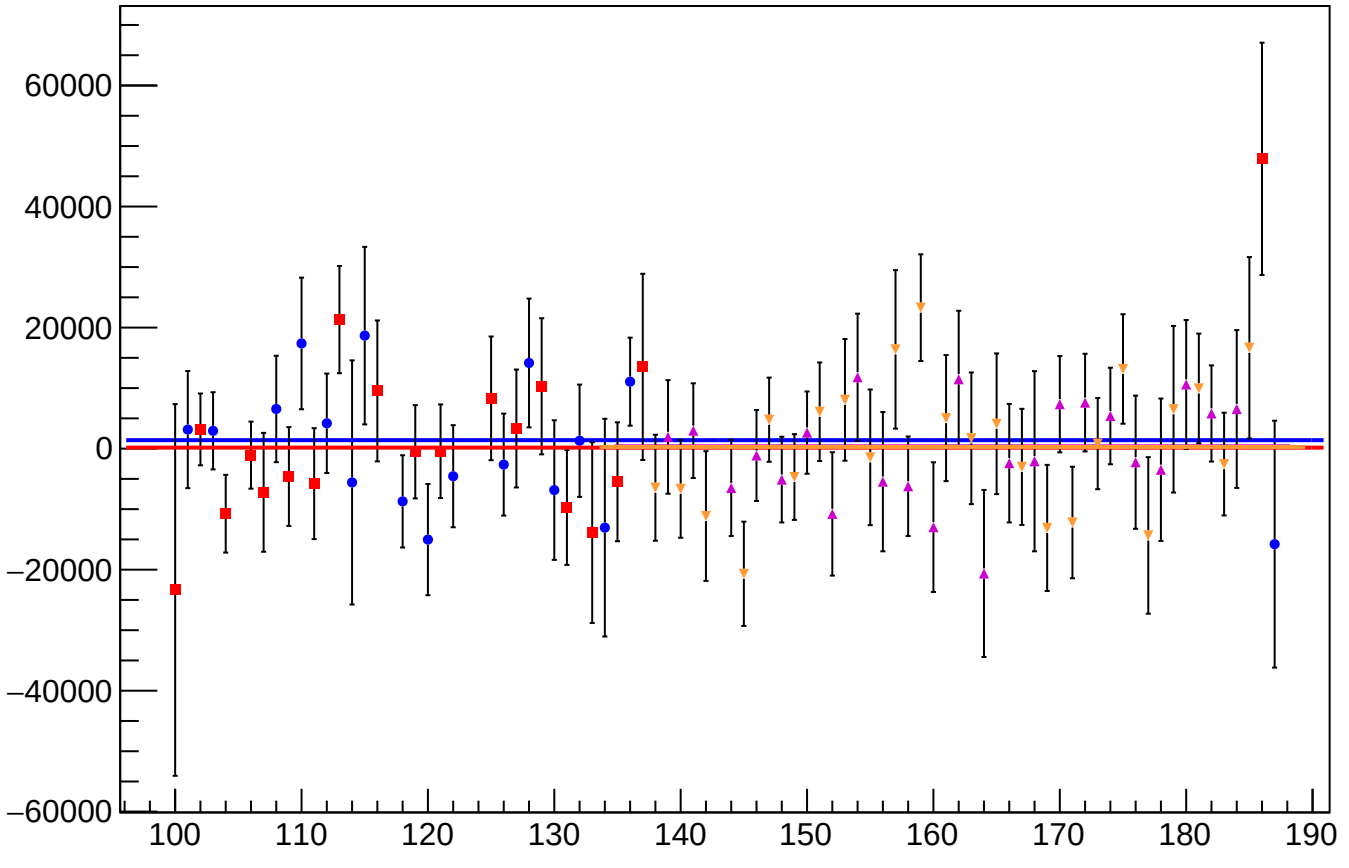
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1522.088+/-0.284 χ^2/NDF: 851048.0/35

In: 1675.953+/-0.236 χ^2/NDF:863310.6/39

Out: 1673.348+/-0.234 χ^2/NDF:813187.4/42

All: 1674.642+/-0.166 χ^2/NDF: 1676559.4/82



Right In: 1397.720+/-2305.166 χ^2/NDF: 15.0/16

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 164.005+/-2049.093 χ^2/NDF: 22.3/18

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

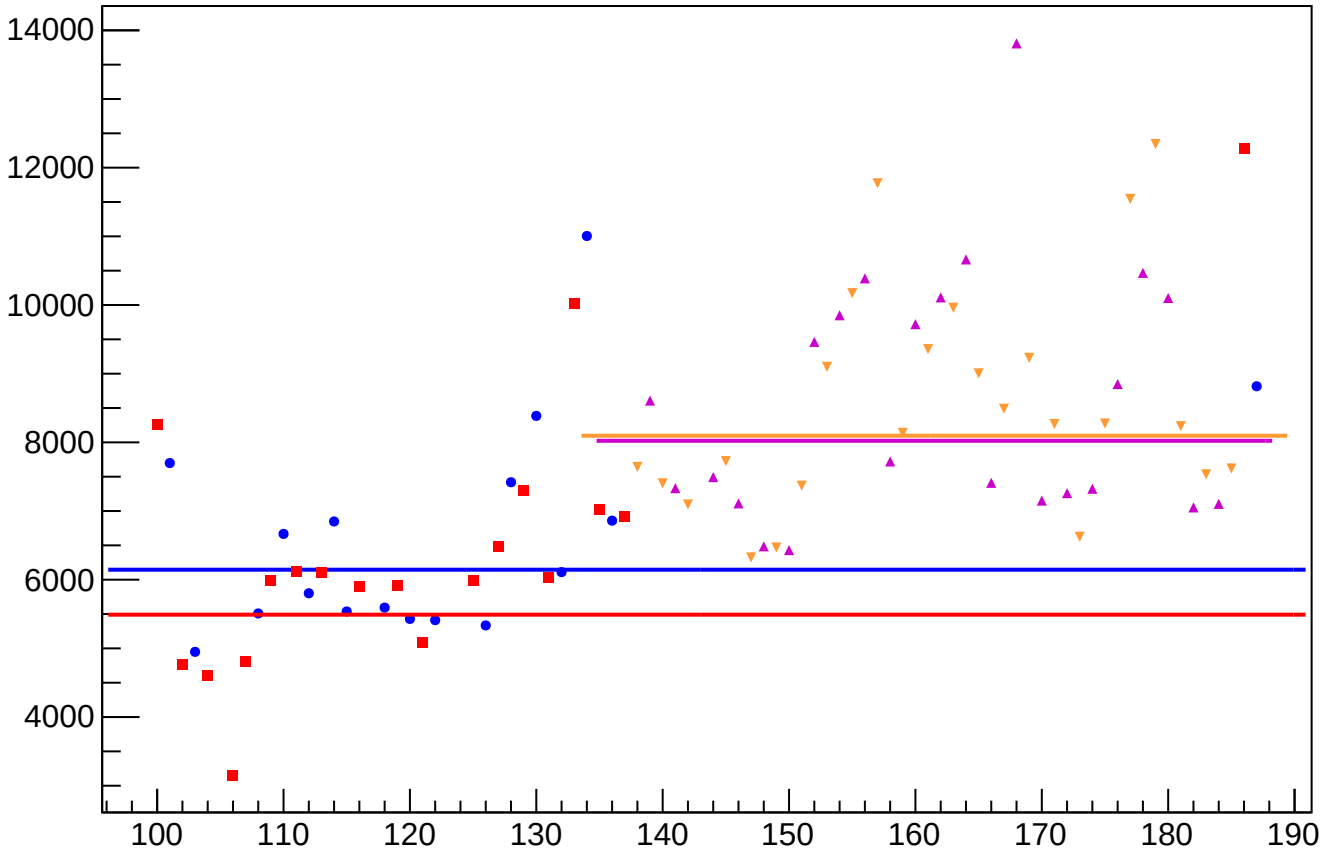
Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

Right: 708.558+/-1531.492 χ^2/NDF: 37.4/35

In: 796.470+/-1471.828 χ^2/NDF:28.7/39

Out: 228.390+/-1401.113 χ^2/NDF:50.9/42

All: 498.456+/-1014.815 χ^2/NDF: 79.7/82



Right In: 6145.600+/-1.630 χ^2/NDF: 506409.3/16

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 5490.594+/-1.449 χ^2/NDF: 1075022.6/18

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

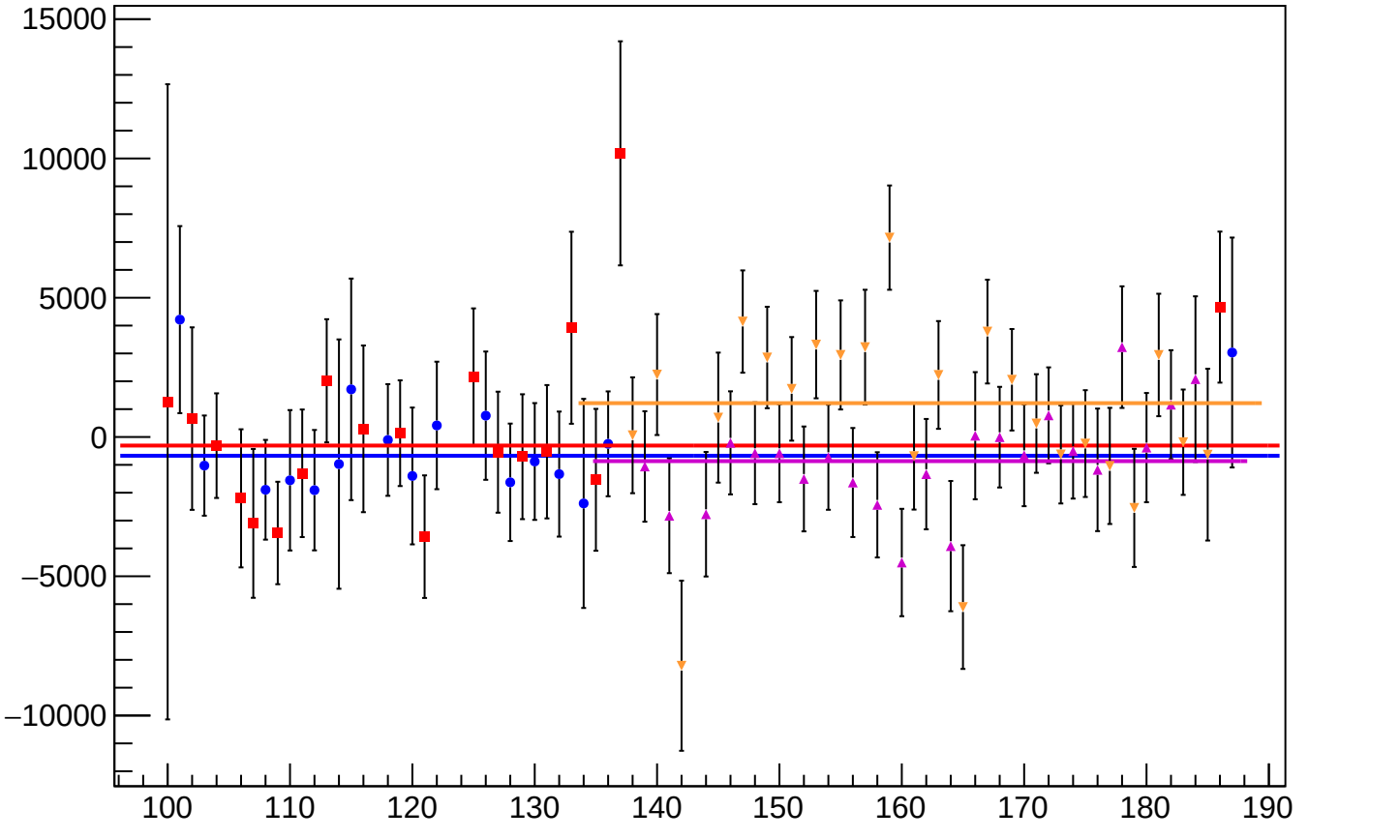
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 5779.709+/-1.083 χ^2/NDF: 1671635.4/35

In: 7257.477+/-1.041 χ^2/NDF:2517511.9/39

Out: 6878.293+/-0.991 χ^2/NDF:3885532.4/42

All: 7058.557+/-0.718 χ^2/NDF: 6472681.7/82



Right In: -673.186+/-572.482 χ^2/NDF: 5.6/16

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -307.630+/-562.597 χ^2/NDF: 21.2/18

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

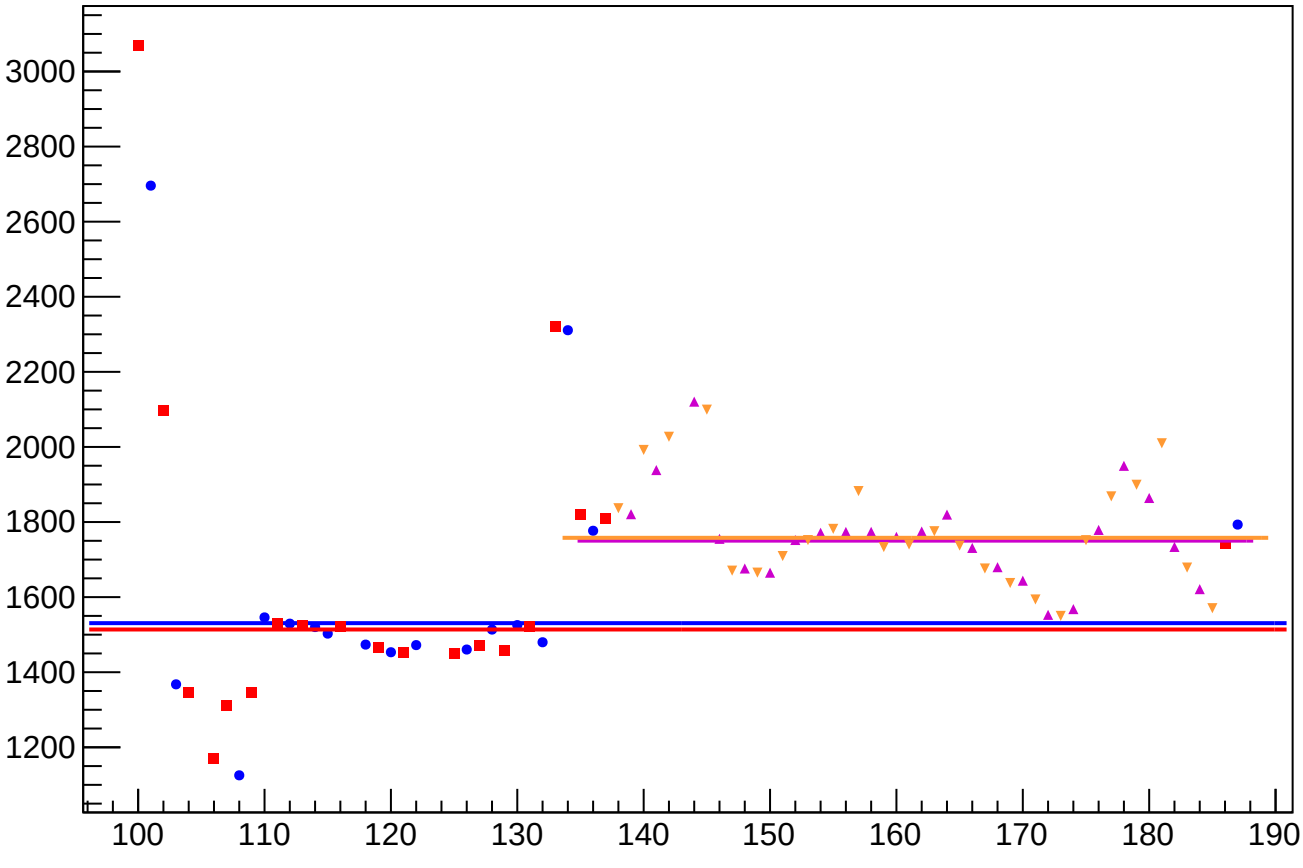
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -487.225+/-401.265 χ^2/NDF: 27.0/35

In: -800.637+/-333.353 χ^2/NDF:20.8/39

Out: 687.775+/-331.128 χ^2/NDF:74.5/42

All: -51.447+/-234.925 χ^2/NDF: 105.3/82



Right In: 1530.686+/-0.405 χ^2/NDF: 496578.0/16

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1513.790+/-0.398 χ^2/NDF: 353583.0/18

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

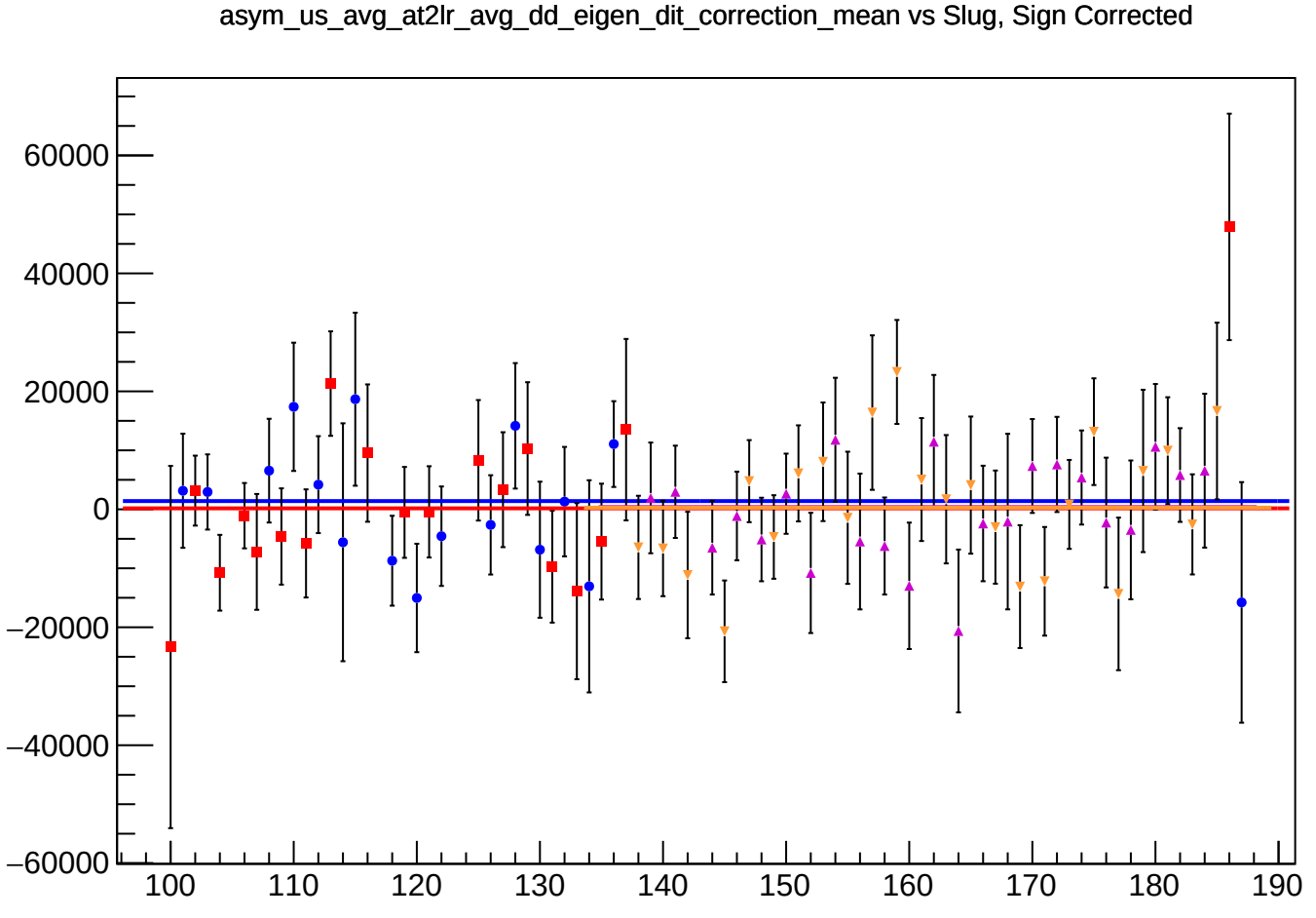
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1522.089+/-0.284 χ^2/NDF: 851047.6/35

In: 1675.955+/-0.236 χ^2/NDF:863322.9/39

Out: 1673.350+/-0.234 χ^2/NDF:813200.7/42

All: 1674.644+/-0.166 χ^2/NDF: 1676585.0/82



Right In: 1397.701+/-2305.161 χ^2/NDF: 15.0/16

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 163.998+/-2049.089 χ^2/NDF: 22.3/18

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

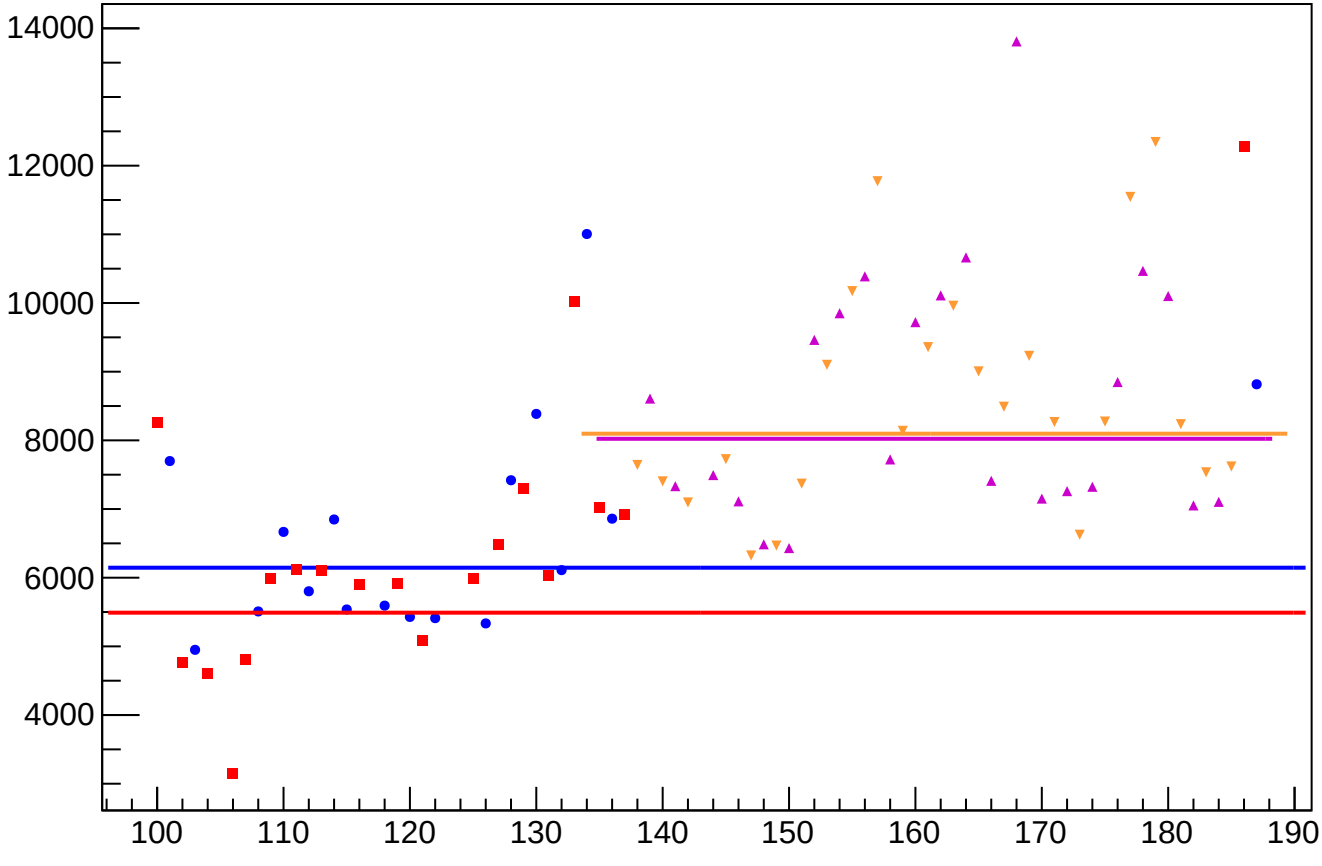
Right: 708.546+/-1531.489 χ^2/NDF: 37.4/35

In: 796.467+/-1471.828 χ^2/NDF:28.7/39

Out: 228.387+/-1401.113 χ^2/NDF:50.9/42

All: 498.452+/-1014.815 χ^2/NDF: 79.7/82

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6145.587+/-1.630 χ^2/NDF: 506412.2/16

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5490.582+/-1.449 χ^2/NDF: 1075022.9/18

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

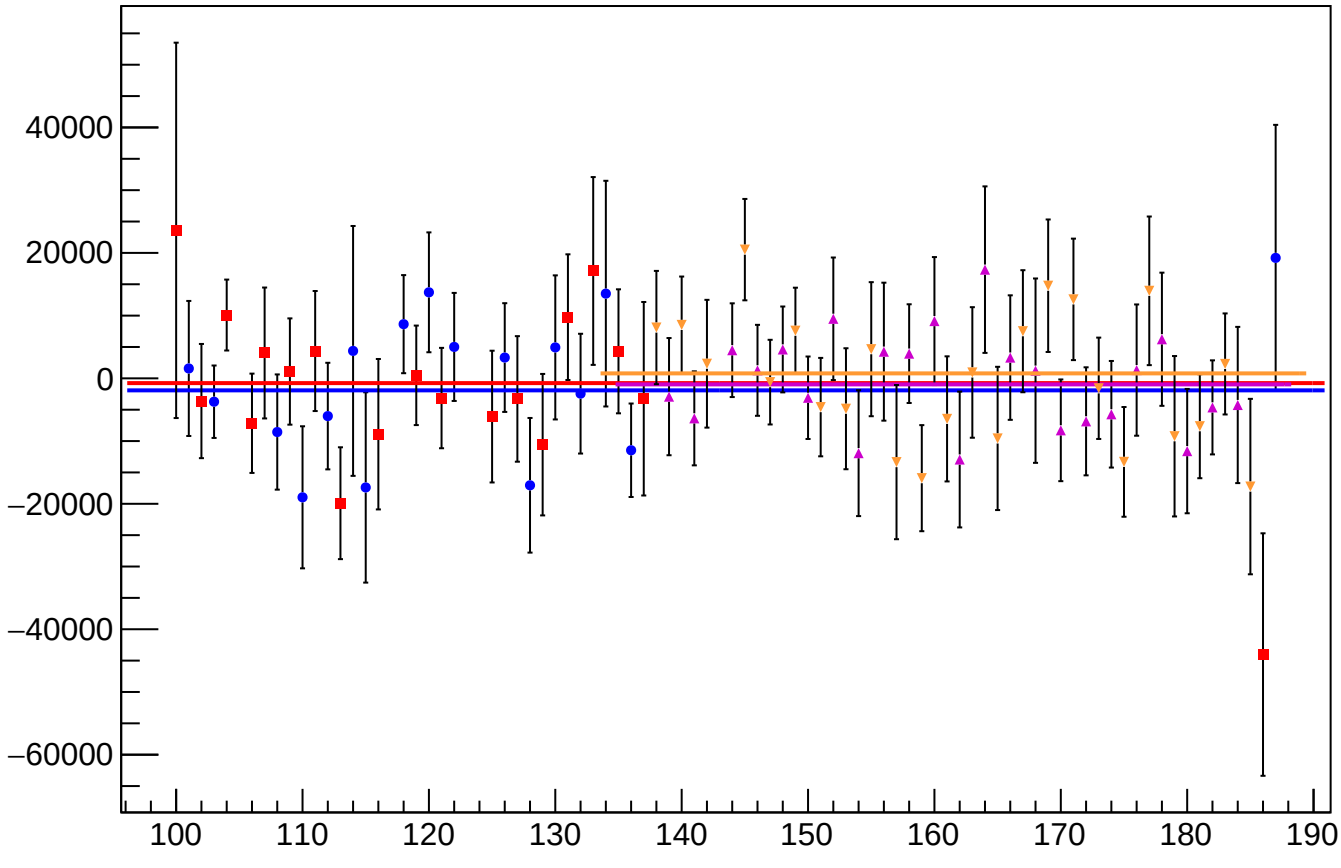
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 5779.697+/-1.083 χ^2/NDF: 1671638.4/35

In: 7257.475+/-1.041 χ^2/NDF:2517541.0/39

Out: 6878.290+/-0.991 χ^2/NDF:3885568.1/42

All: 7058.555+/-0.718 χ^2/NDF: 6472747.1/82



Right In: -1915.230+/-2333.410 χ^2/NDF: 15.6/16

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -758.910+/-2214.212 χ^2/NDF: 19.7/18

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

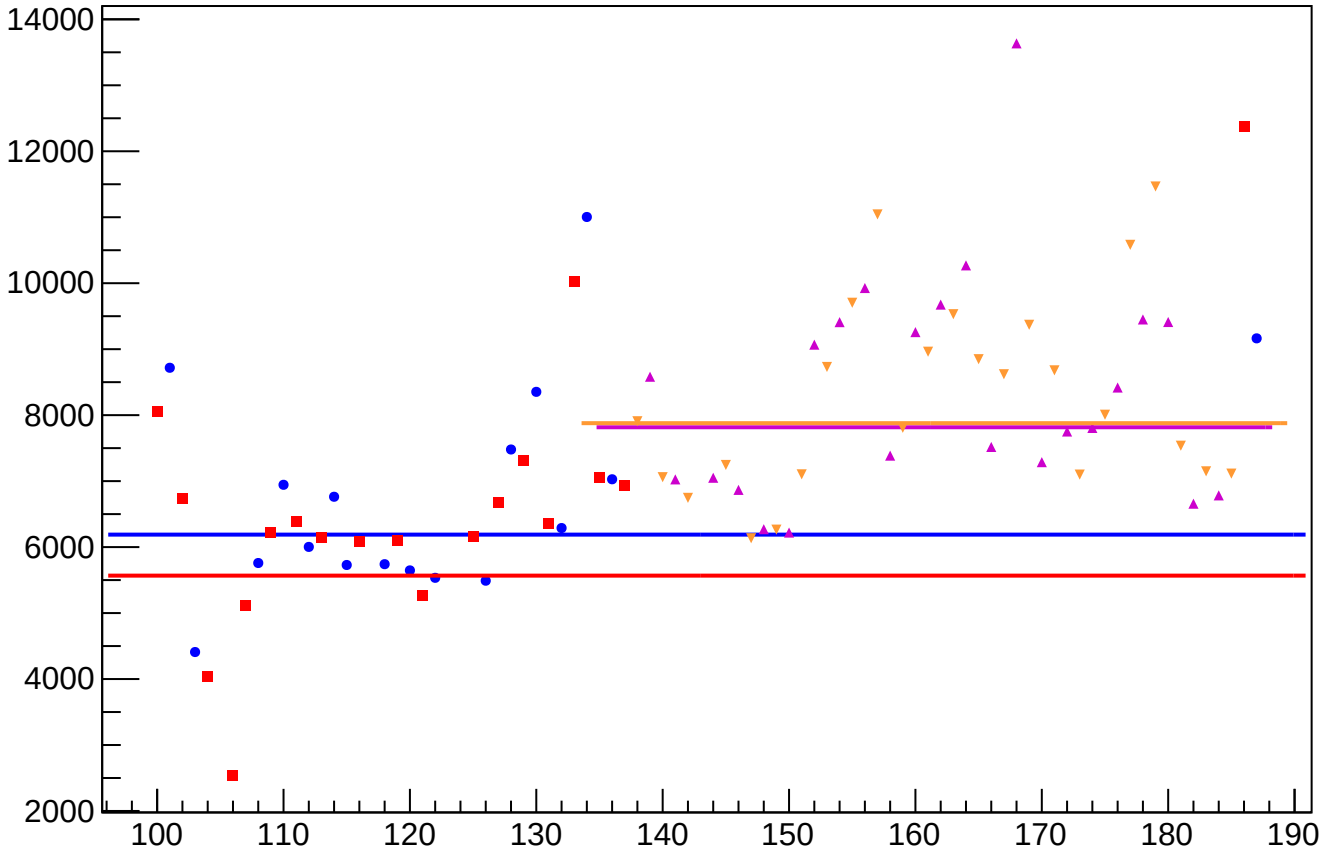
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1306.782+/-1606.171 χ^2/NDF: 35.5/35

In: -1333.540+/-1454.424 χ^2/NDF:28.5/39

Out: 147.874+/-1426.482 χ^2/NDF:47.2/42

All: -578.466+/-1018.410 χ^2/NDF: 76.2/82



Right In: 6189.146+/-1.650 χ^2/NDF: 663865.8/16

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 5567.518+/-1.510 χ^2/NDF: 1400165.2/18

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

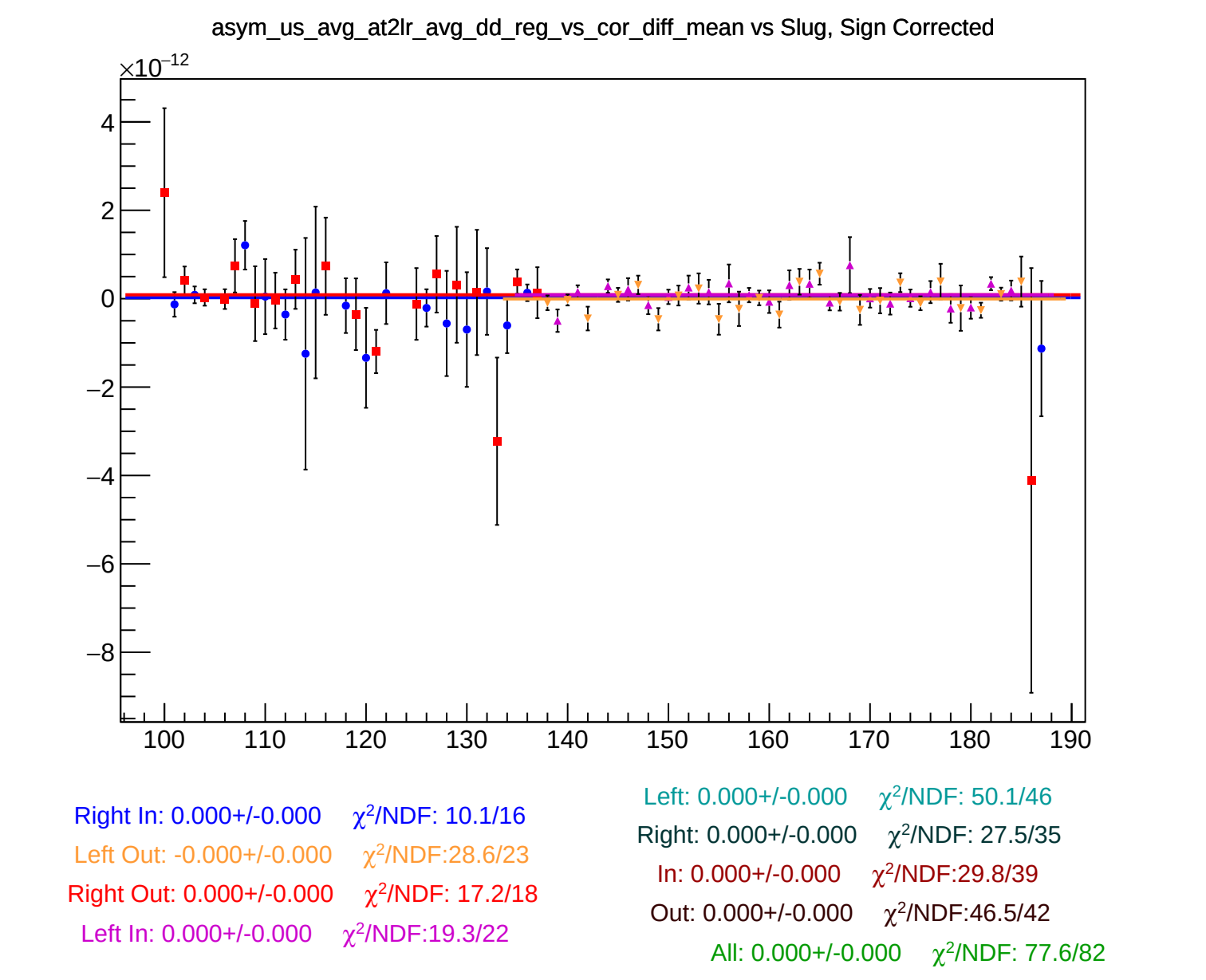
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

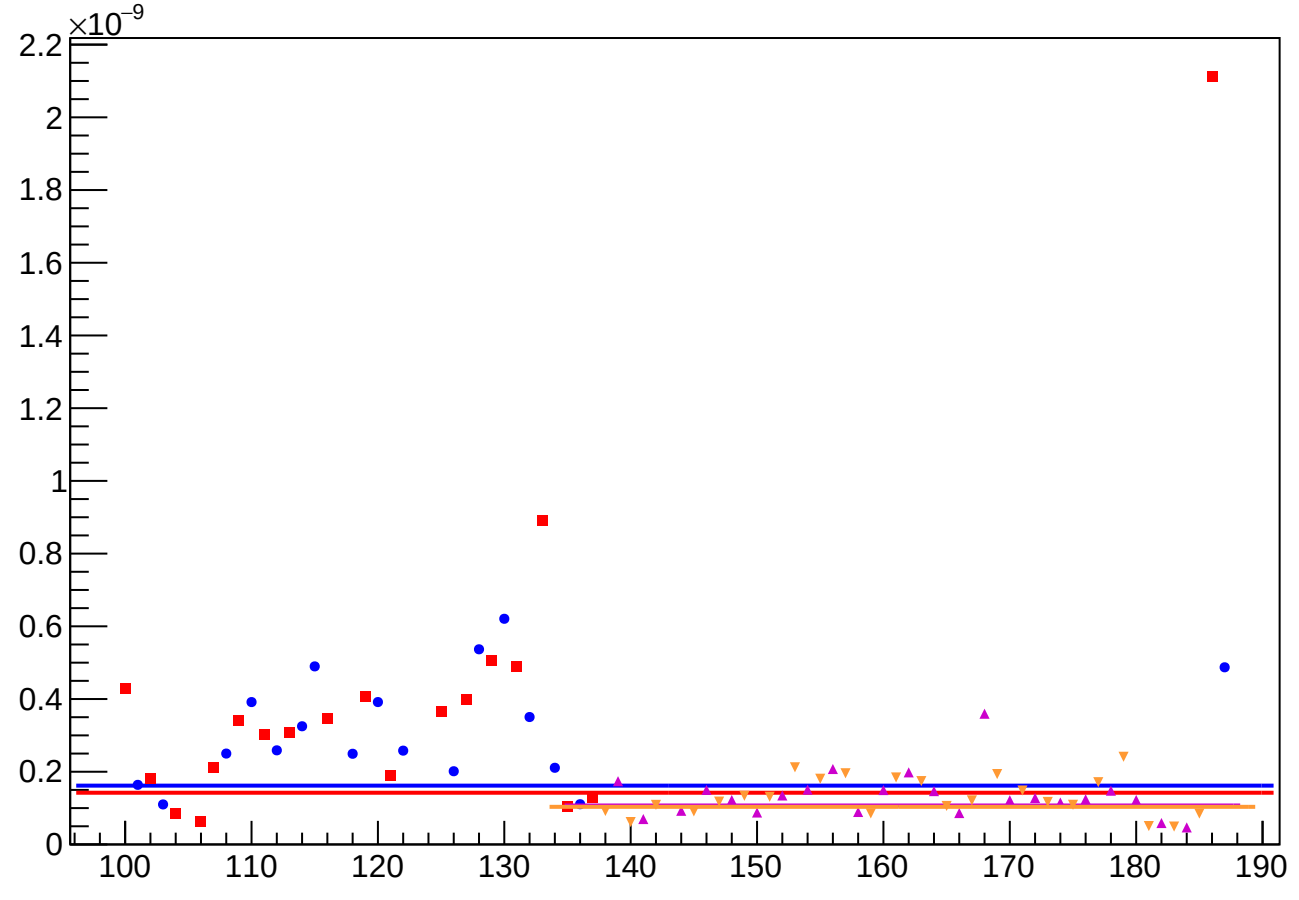
Right: 5850.885+/-1.114 χ^2/NDF: 2141269.8/35

In: 7184.223+/-1.028 χ^2/NDF:2391043.3/39

Out: 6878.579+/-0.993 χ^2/NDF:3718754.6/42

All: 7026.100+/-0.714 χ^2/NDF: 6155492.2/82


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.1/16
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.2/18
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/46
Right: 0.000+/-0.000 χ²/NDF: 27.5/35
In: 0.000+/-0.000 χ²/NDF:29.8/39
Out: 0.000+/-0.000 χ²/NDF:46.5/42
All: 0.000+/-0.000 χ²/NDF: 77.6/82



Right In: 0.000+/-0.000 χ^2/NDF: 1420349.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2502041.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

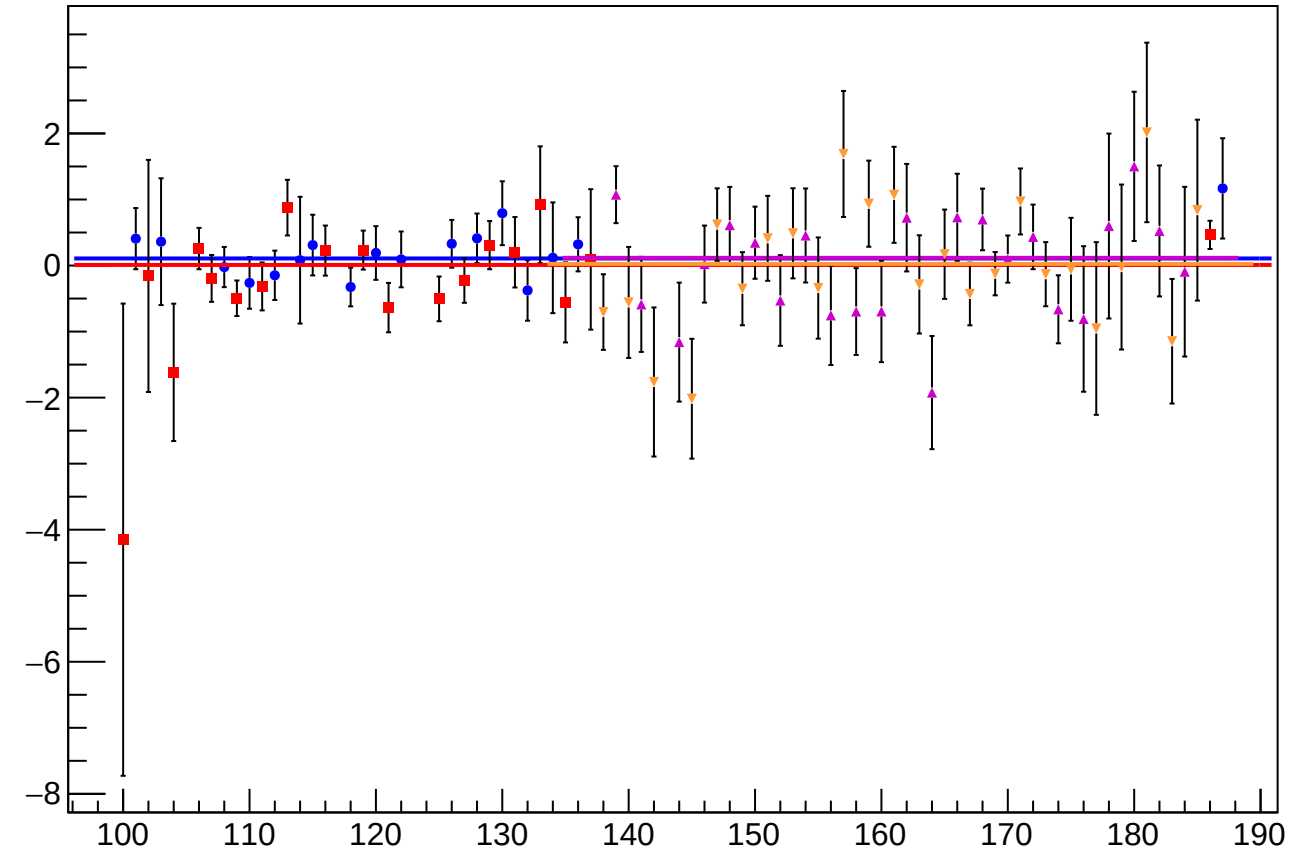
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 3958393.6/35

In: 0.000+/-0.000 χ^2/NDF:3484457.5/39

Out: 0.000+/-0.000 χ^2/NDF:4648272.5/42

All: 0.000+/-0.000 χ^2/NDF: 8156893.6/82



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: 0.009+/-0.089 χ^2/NDF: 27.3/18

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

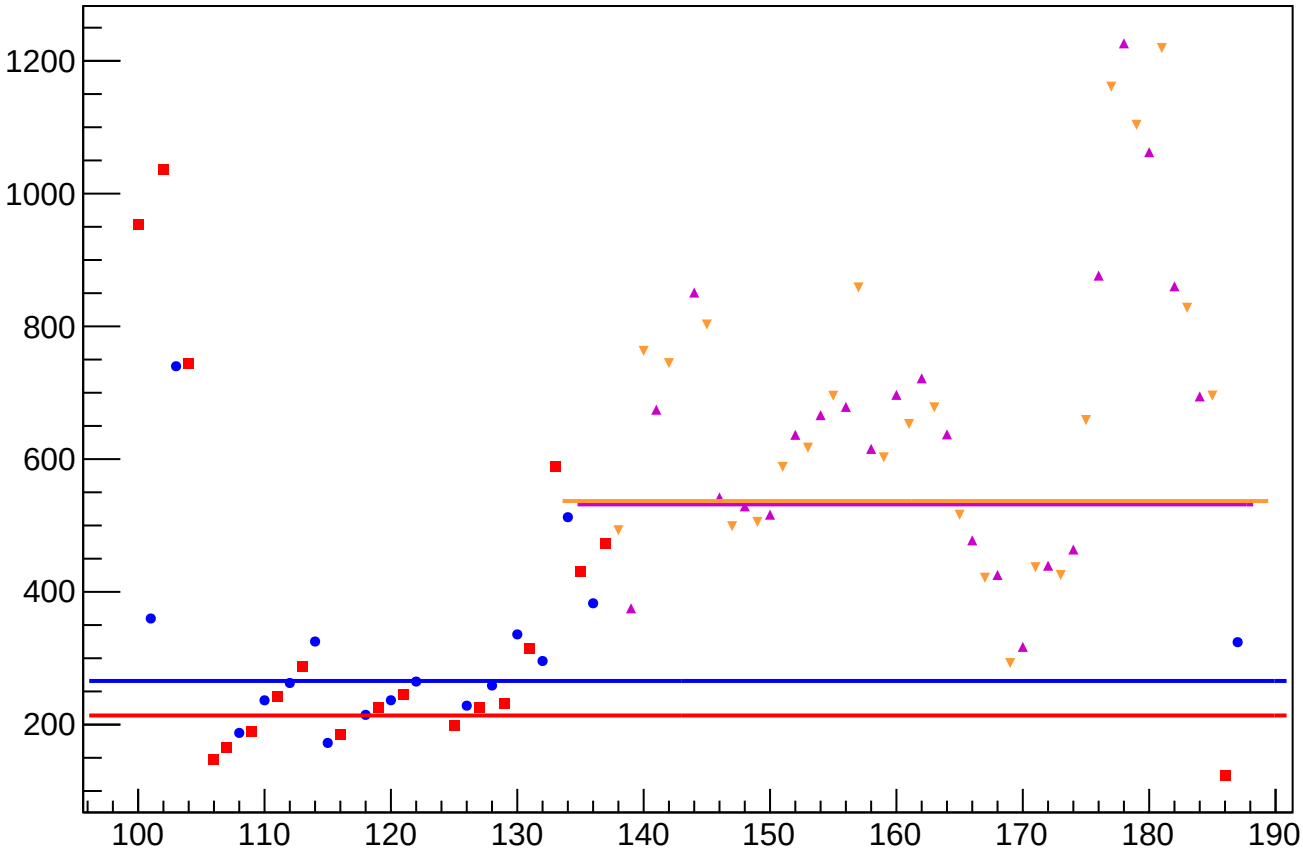
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.050+/-0.067 χ^2/NDF: 38.7/35

In: 0.111+/-0.082 χ^2/NDF:38.6/39

Out: 0.014+/-0.074 χ^2/NDF:56.4/42

All: 0.057+/-0.055 χ^2/NDF: 95.8/82



Right In: 265.786+/-0.074 χ^2/NDF: 1296069.4/16

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 213.750+/-0.063 χ^2/NDF: 2468480.9/18

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

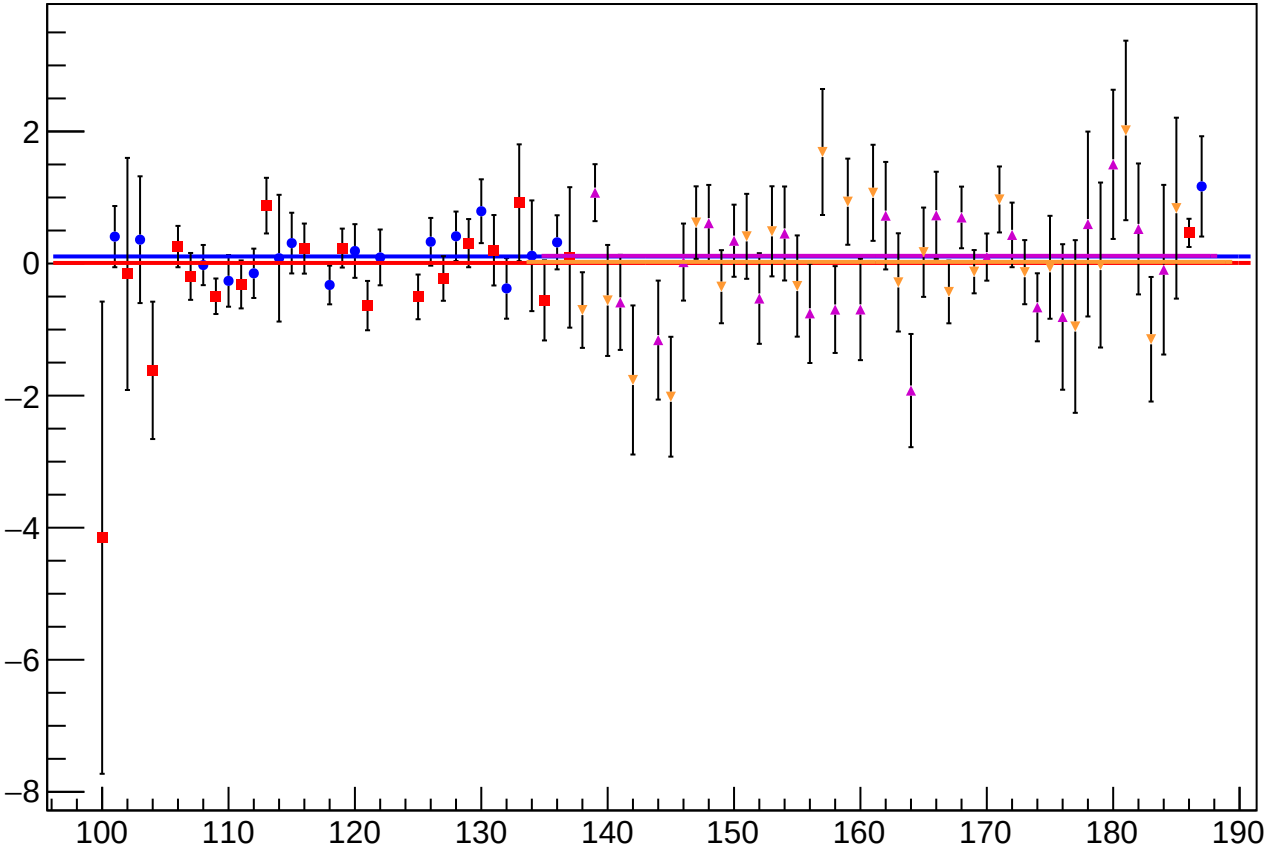
Right: 235.604+/-0.048 χ^2/NDF: 4054481.8/35

In: 367.323+/-0.058 χ^2/NDF:9662926.4/39

Out: 312.009+/-0.052 χ^2/NDF:14525111.0/42

All: 336.846+/-0.039 χ^2/NDF: 24691389.2/82

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: 0.009+/-0.089 χ^2/NDF: 27.3/18

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

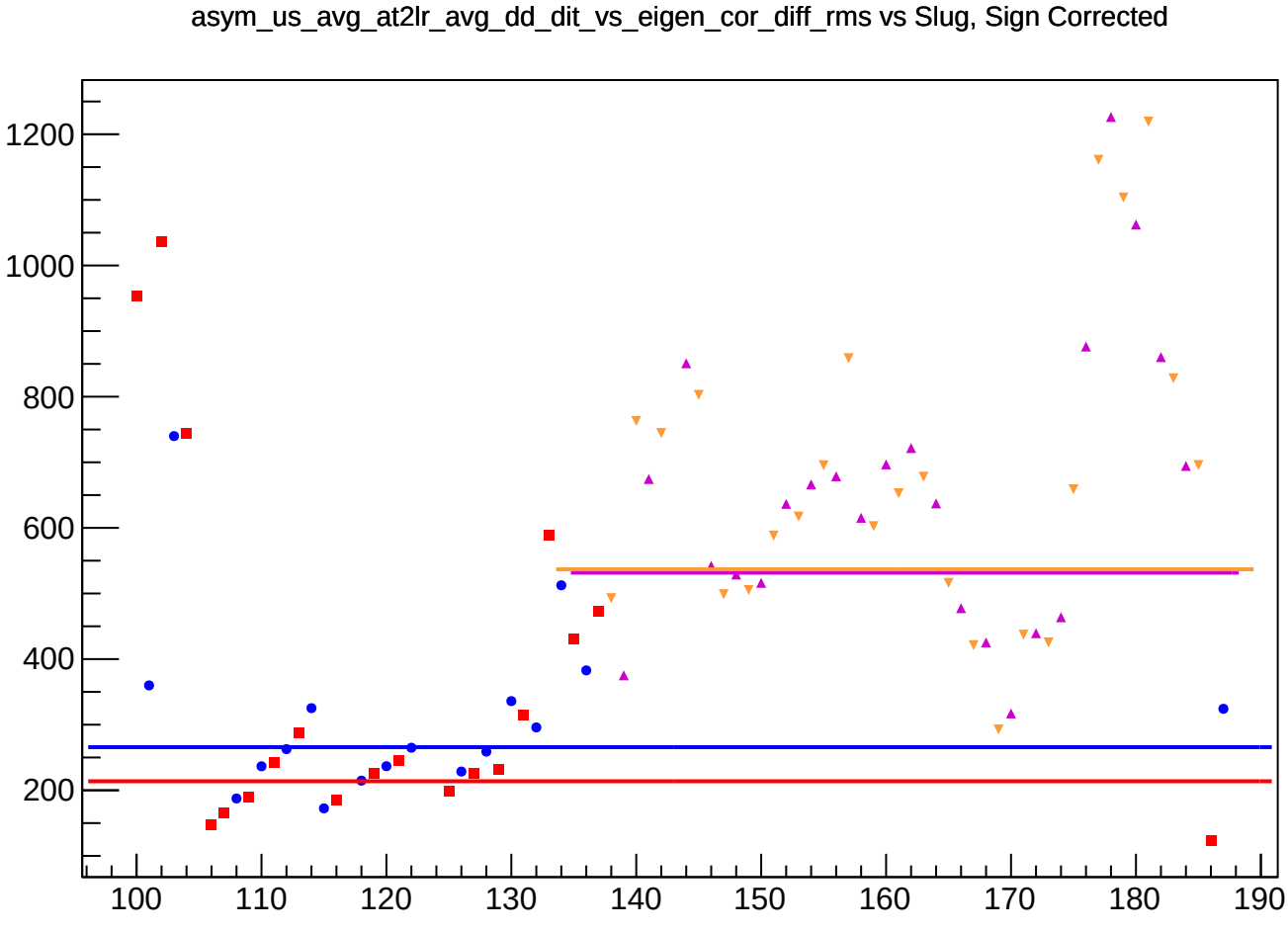
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.050+/-0.067 χ^2/NDF: 38.7/35

In: 0.111+/-0.082 χ^2/NDF:38.6/39

Out: 0.014+/-0.074 χ^2/NDF:56.4/42

All: 0.057+/-0.055 χ^2/NDF: 95.8/82


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1200
1000
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400
200
100
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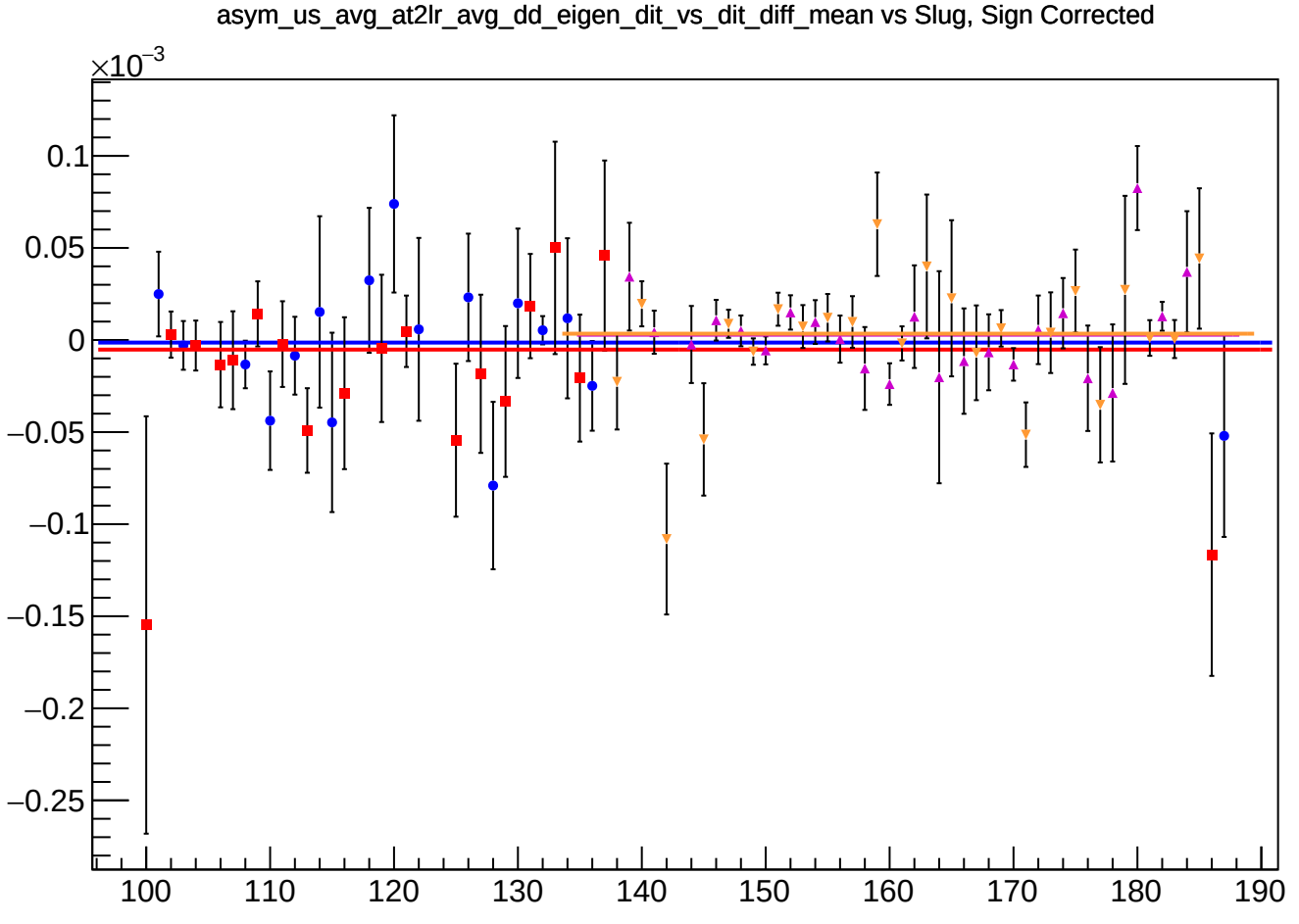
120
130
140
150
160
170
180
190
Right In: 265.786+/-0.074 χ²/NDF: 1296069.4/16
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 213.750+/-0.063 χ²/NDF: 2468480.9/18
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
Left: 534.267+/-0.067 χ²/NDF: 7345889.1/46
Right: 235.604+/-0.048 χ²/NDF: 4054481.8/35
In: 367.323+/-0.058 χ²/NDF:9662926.4/39
Out: 312.009+/-0.052 χ²/NDF:14525111.0/42
All: 336.846+/-0.039 χ²/NDF: 24691389.2/82



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

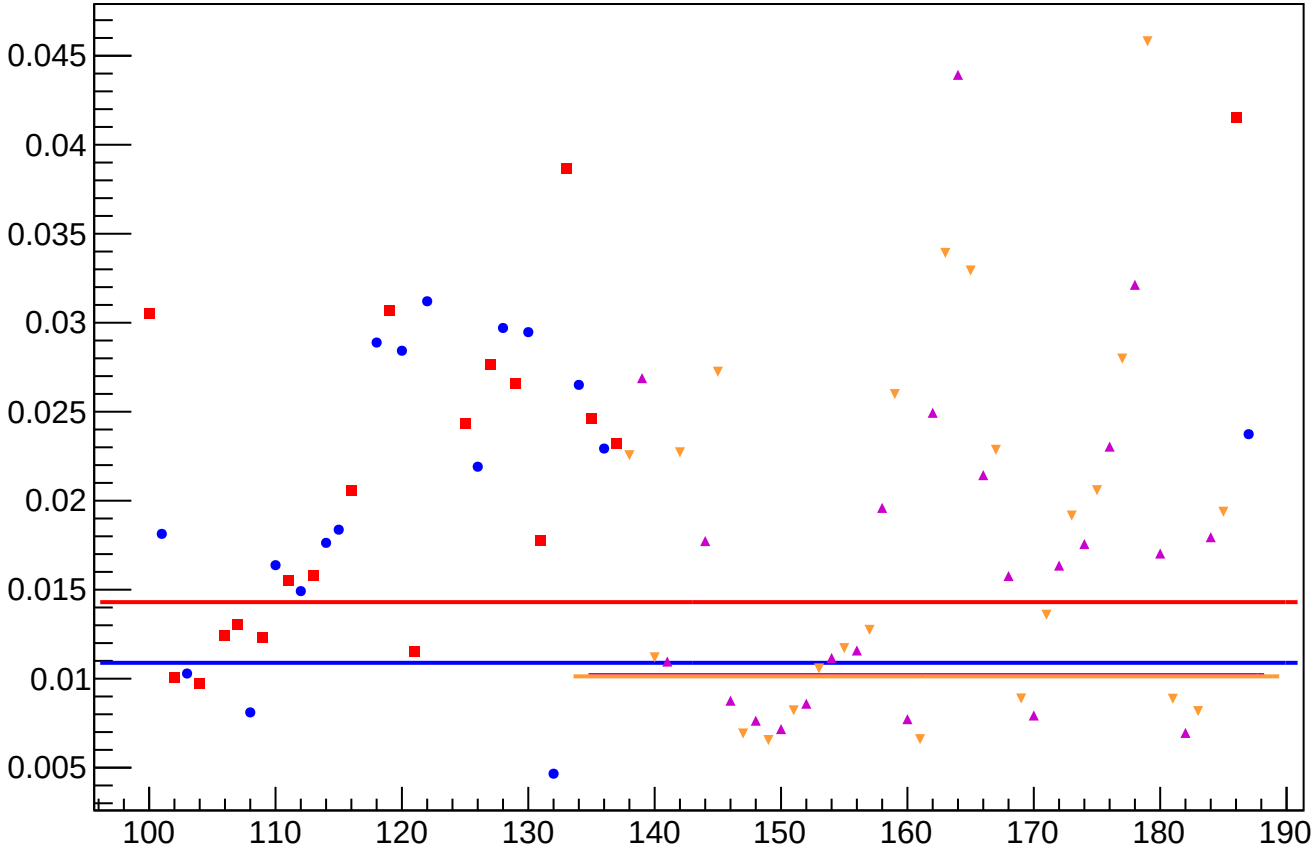
Right: -0.000+/-0.000 χ^2/NDF: 31.0/35

In: 0.000+/-0.000 χ^2/NDF:48.0/39

Out: 0.000+/-0.000 χ^2/NDF:56.4/42

All: 0.000+/-0.000 χ^2/NDF: 104.4/82

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4690594.5/16

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.014+/-0.000 χ^2/NDF: 2430051.8/18

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

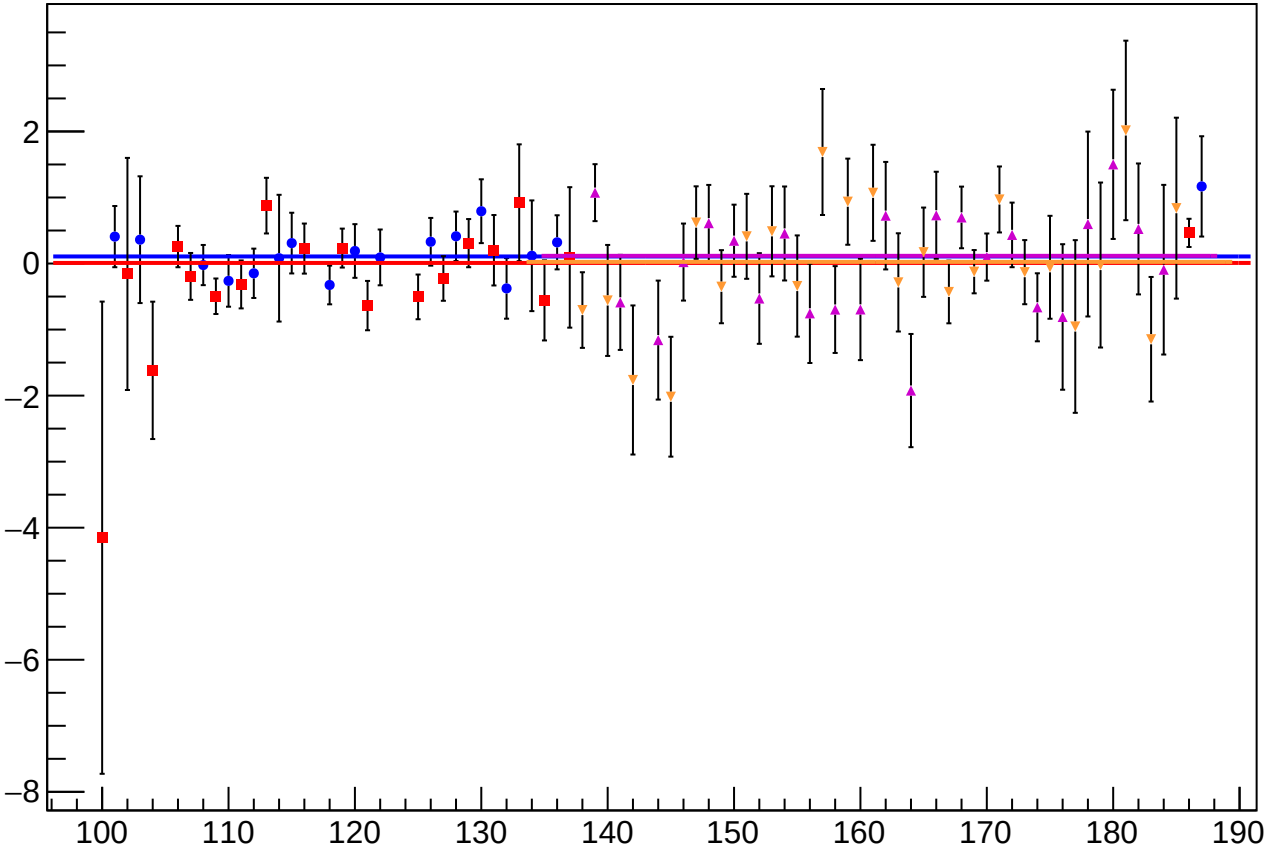
Right: 0.012+/-0.000 χ^2/NDF: 7528450.2/35

In: 0.010+/-0.000 χ^2/NDF:10795664.3/39

Out: 0.011+/-0.000 χ^2/NDF:11109556.1/42

All: 0.011+/-0.000 χ^2/NDF: 21954224.3/82

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: 0.009+/-0.089 χ^2/NDF: 27.3/18

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

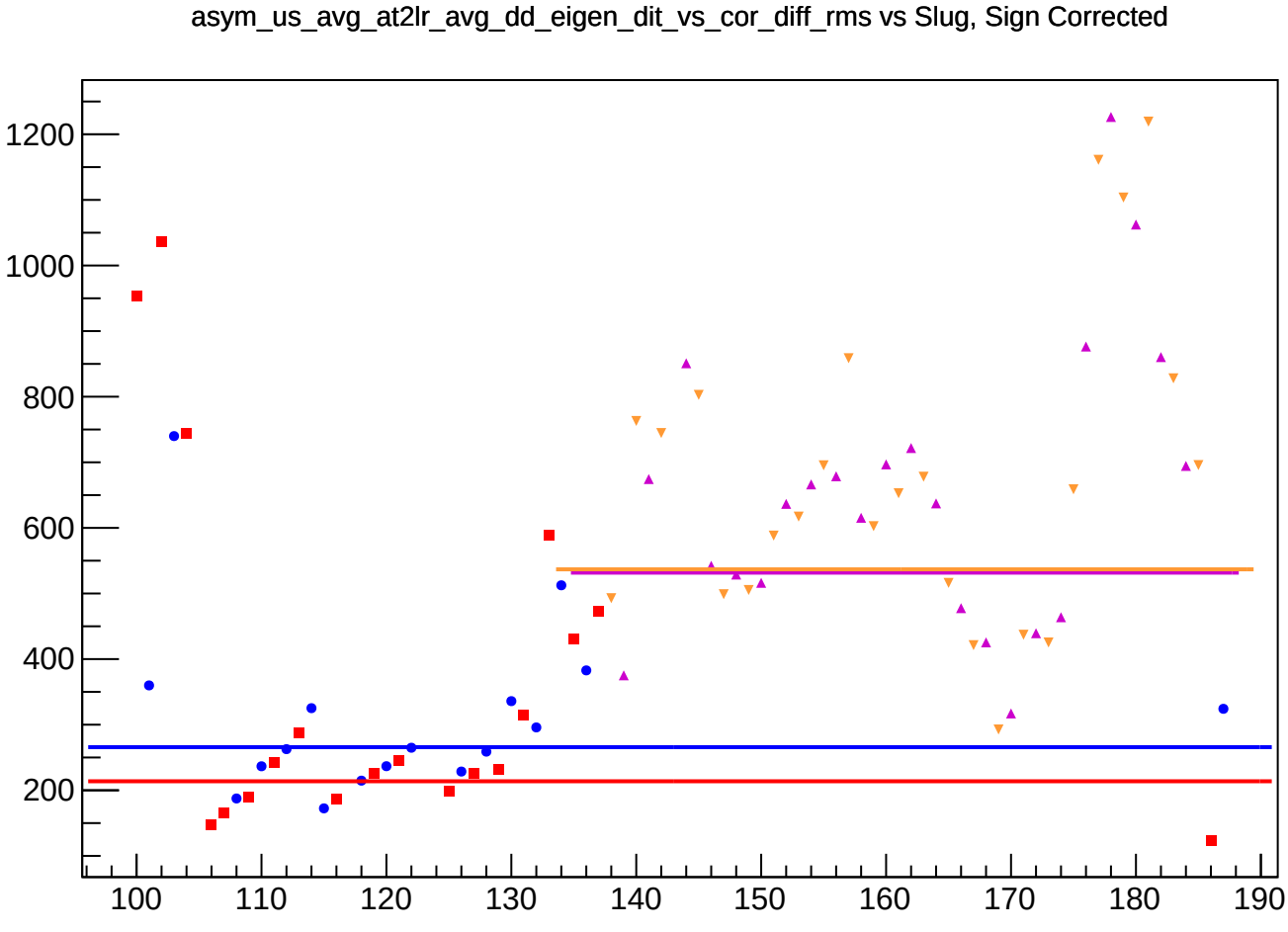
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.050+/-0.067 χ^2/NDF: 38.7/35

In: 0.111+/-0.082 χ^2/NDF:38.6/39

Out: 0.014+/-0.074 χ^2/NDF:56.4/42

All: 0.057+/-0.055 χ^2/NDF: 95.8/82



Right In: 265.785+/-0.074 χ^2/NDF: 1296036.6/16

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 213.746+/-0.063 χ^2/NDF: 2468601.4/18

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

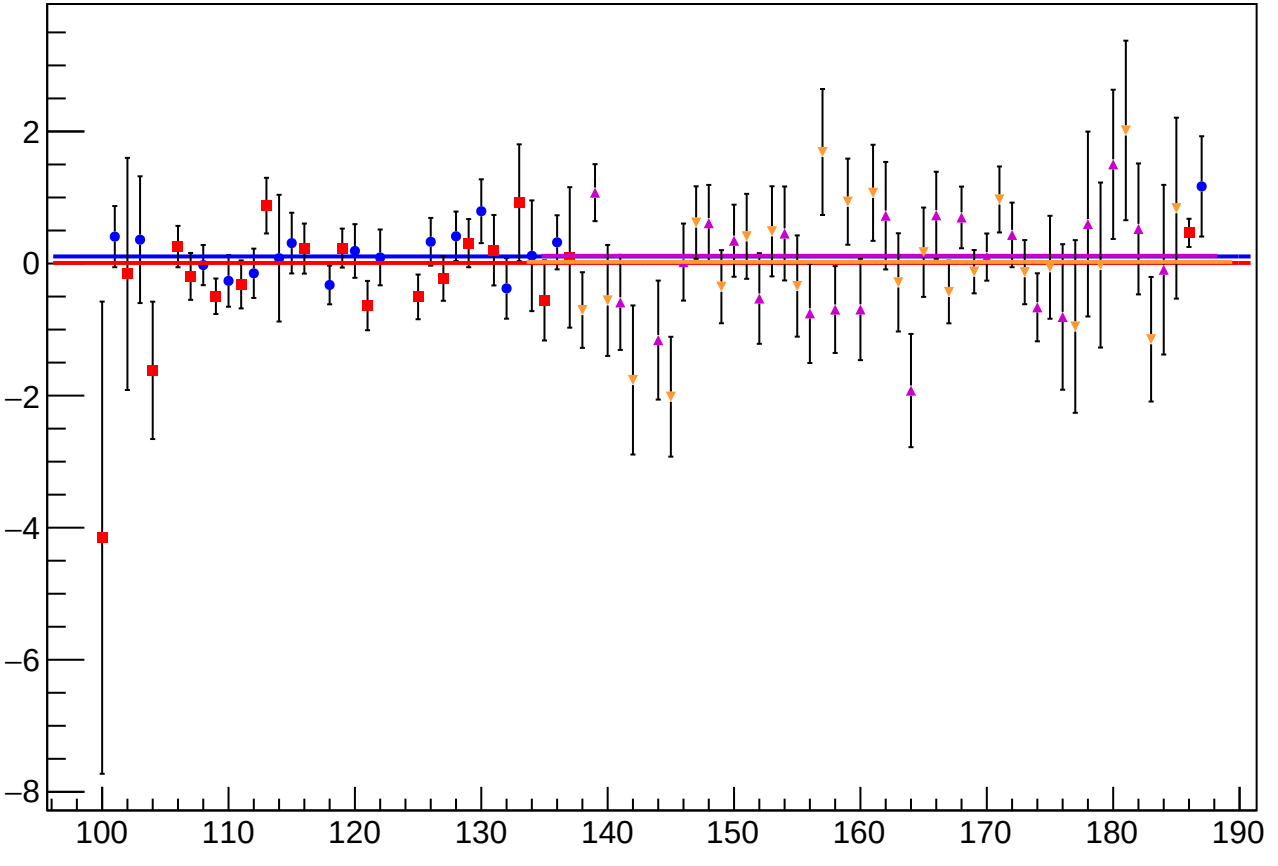
Right: 235.601+/-0.048 χ^2/NDF: 4054607.2/35

In: 367.322+/-0.058 χ^2/NDF:9663072.6/39

Out: 312.005+/-0.052 χ^2/NDF:14525619.9/42

All: 336.843+/-0.039 χ^2/NDF: 24692120.1/82

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: 0.009+/-0.089 χ^2/NDF: 27.3/18

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

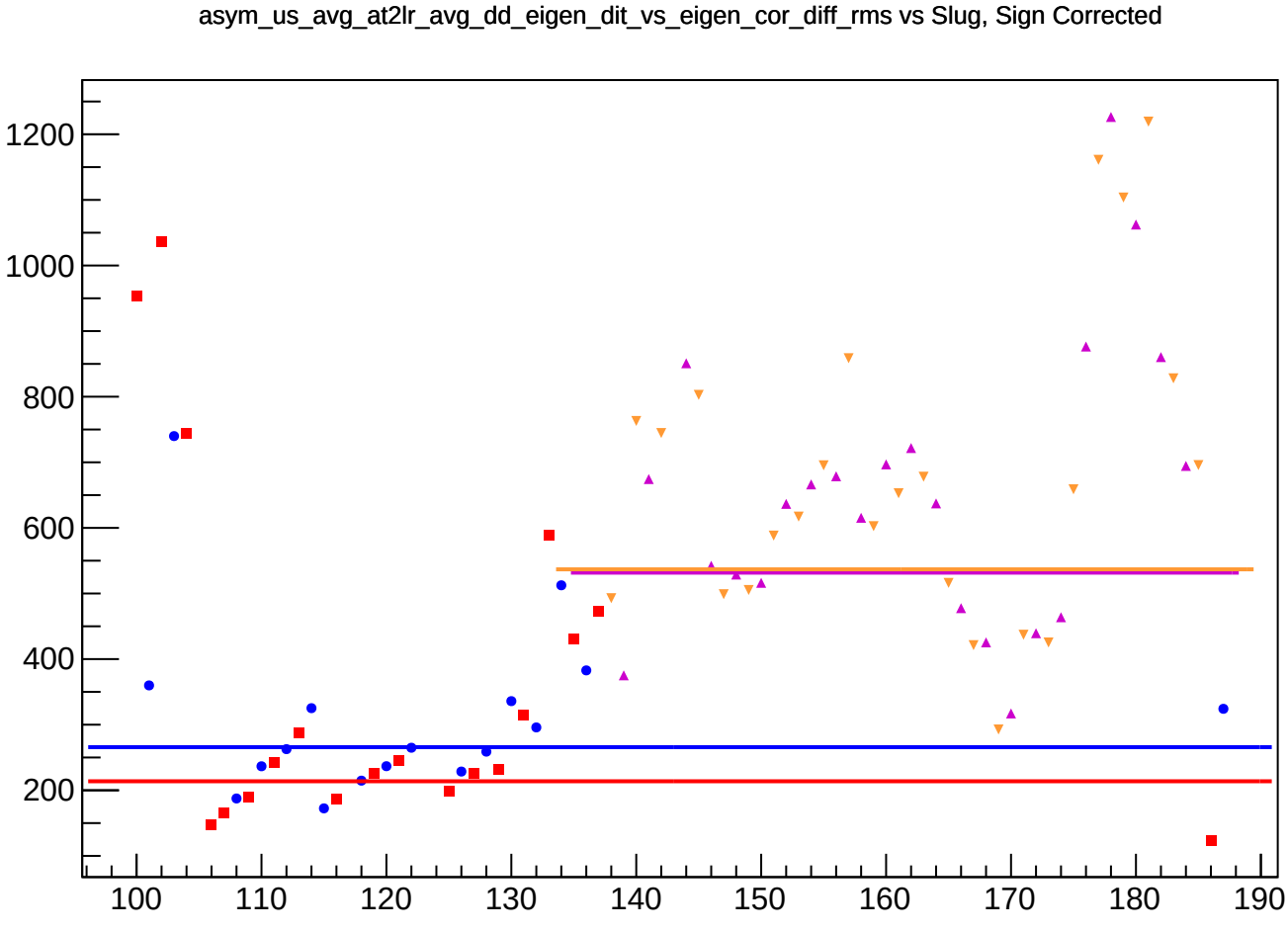
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.050+/-0.067 χ^2/NDF: 38.7/35

In: 0.111+/-0.082 χ^2/NDF:38.6/39

Out: 0.014+/-0.074 χ^2/NDF:56.4/42

All: 0.057+/-0.055 χ^2/NDF: 95.8/82



Right In: 265.785+/-0.074 χ^2/NDF: 1296036.6/16

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 213.746+/-0.063 χ^2/NDF: 2468601.4/18

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

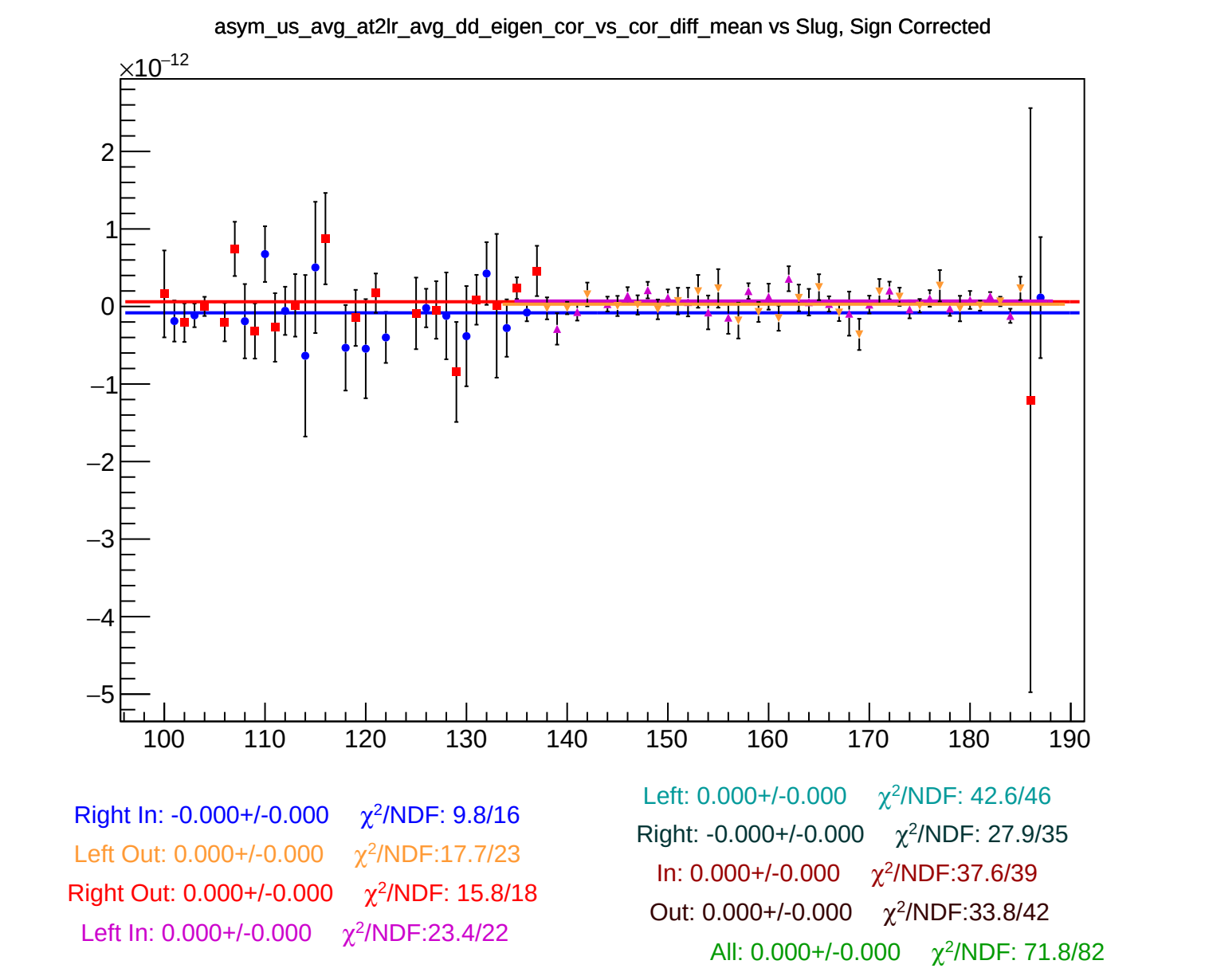
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

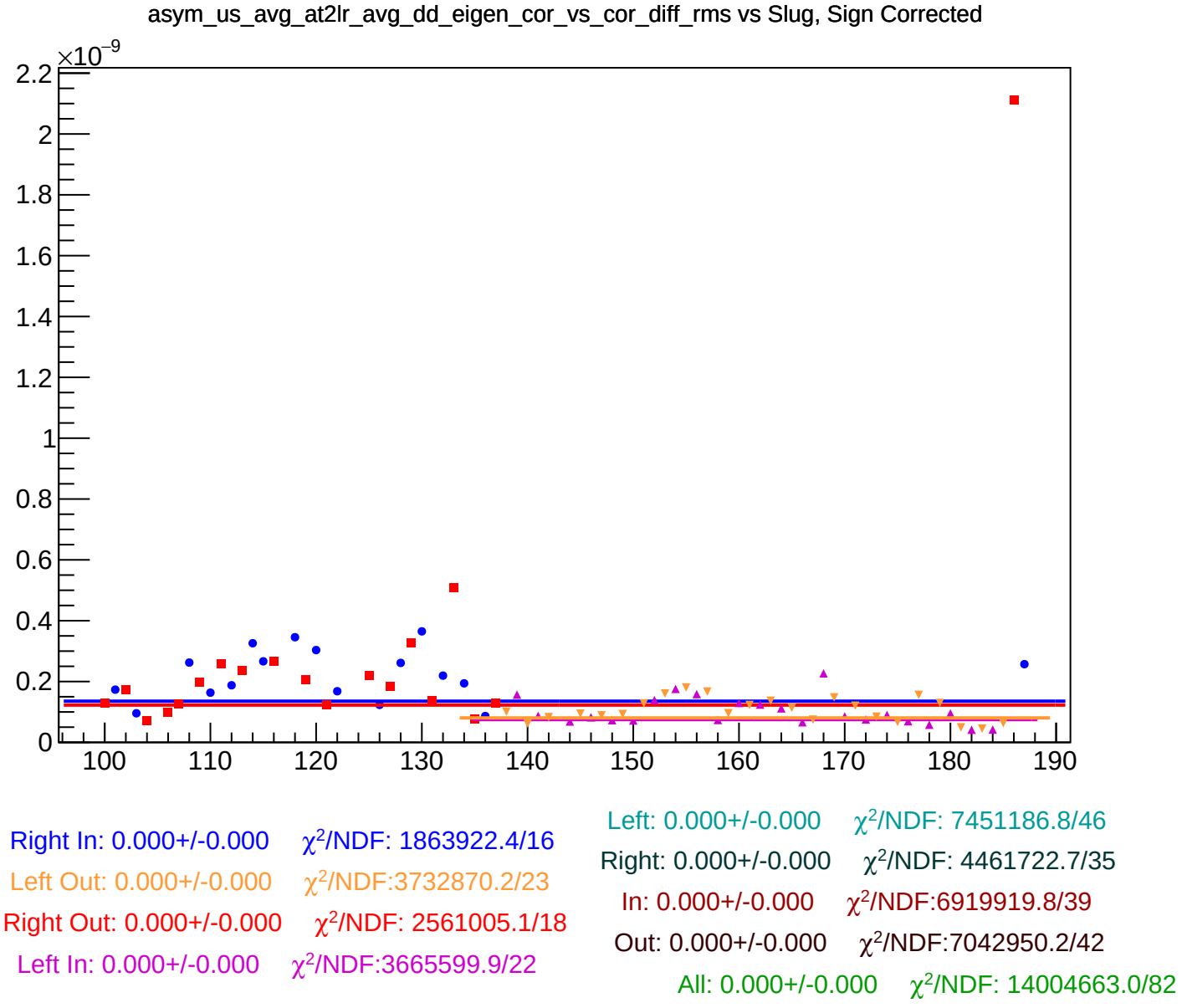
Right: 235.601+/-0.048 χ^2/NDF: 4054607.2/35

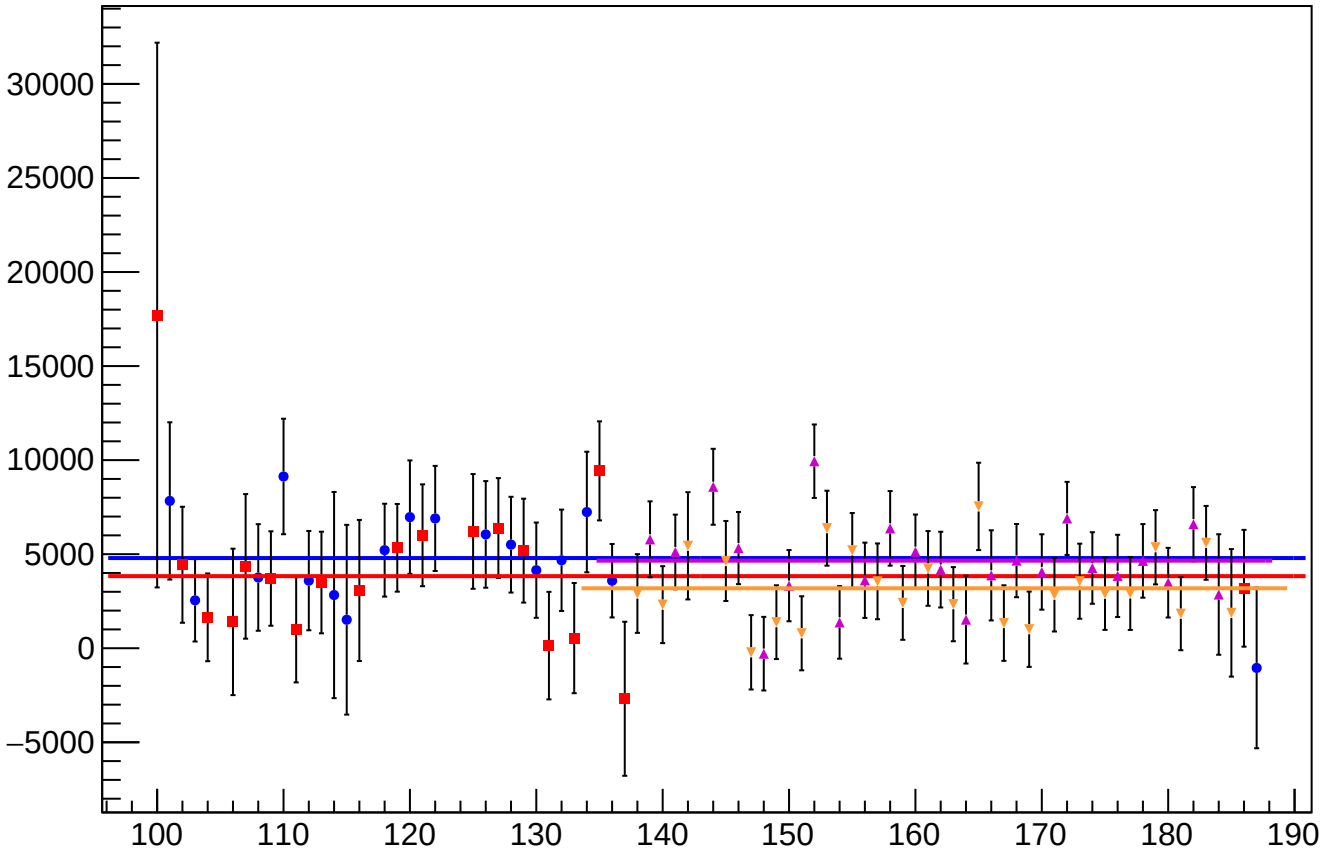
In: 367.322+/-0.058 χ^2/NDF:9663072.6/39

Out: 312.005+/-0.052 χ^2/NDF:14525619.9/42

All: 336.843+/-0.039 χ^2/NDF: 24692120.1/82


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 9.8/16
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 15.8/18
Left In: 0.000+/-0.000 χ²/NDF:23.4/22
Left: 0.000+/-0.000 χ²/NDF: 42.6/46
Right: -0.000+/-0.000 χ²/NDF: 27.9/35
In: 0.000+/-0.000 χ²/NDF:37.6/39
Out: 0.000+/-0.000 χ²/NDF:33.8/42
All: 0.000+/-0.000 χ²/NDF: 71.8/82


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1863922.4/16
Left Out: 0.000+/-0.000 χ²/NDF:3732870.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2561005.1/18
Left In: 0.000+/-0.000 χ²/NDF:3665599.9/22
Left: 0.000+/-0.000 χ²/NDF: 7451186.8/46
Right: 0.000+/-0.000 χ²/NDF: 4461722.7/35
In: 0.000+/-0.000 χ²/NDF:6919919.8/39
Out: 0.000+/-0.000 χ²/NDF:7042950.2/42
All: 0.000+/-0.000 χ²/NDF: 14004663.0/82



Right In: 4793.996+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3832.758+/-678.941 χ^2/NDF: 16.2/18

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

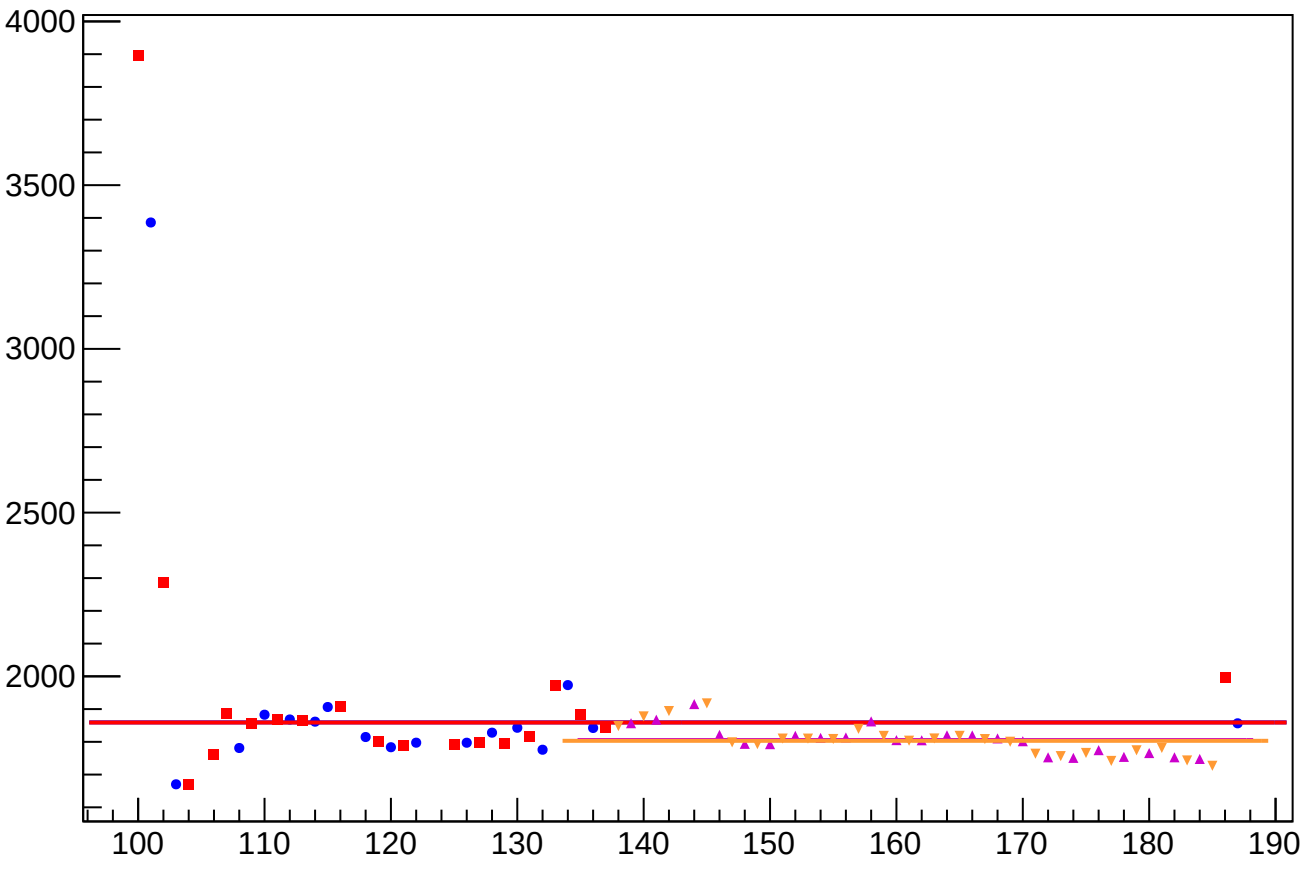
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4305.775+/-483.866 χ^2/NDF: 26.0/35

In: 4692.966+/-359.783 χ^2/NDF:36.5/39

Out: 3364.964+/-356.331 χ^2/NDF:36.7/42

All: 4022.563+/-253.175 χ^2/NDF: 80.1/82



Right In: 1859.433+/-0.488 χ^2/NDF: 292335.5/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1858.971+/-0.479 χ^2/NDF: 106382.4/18

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

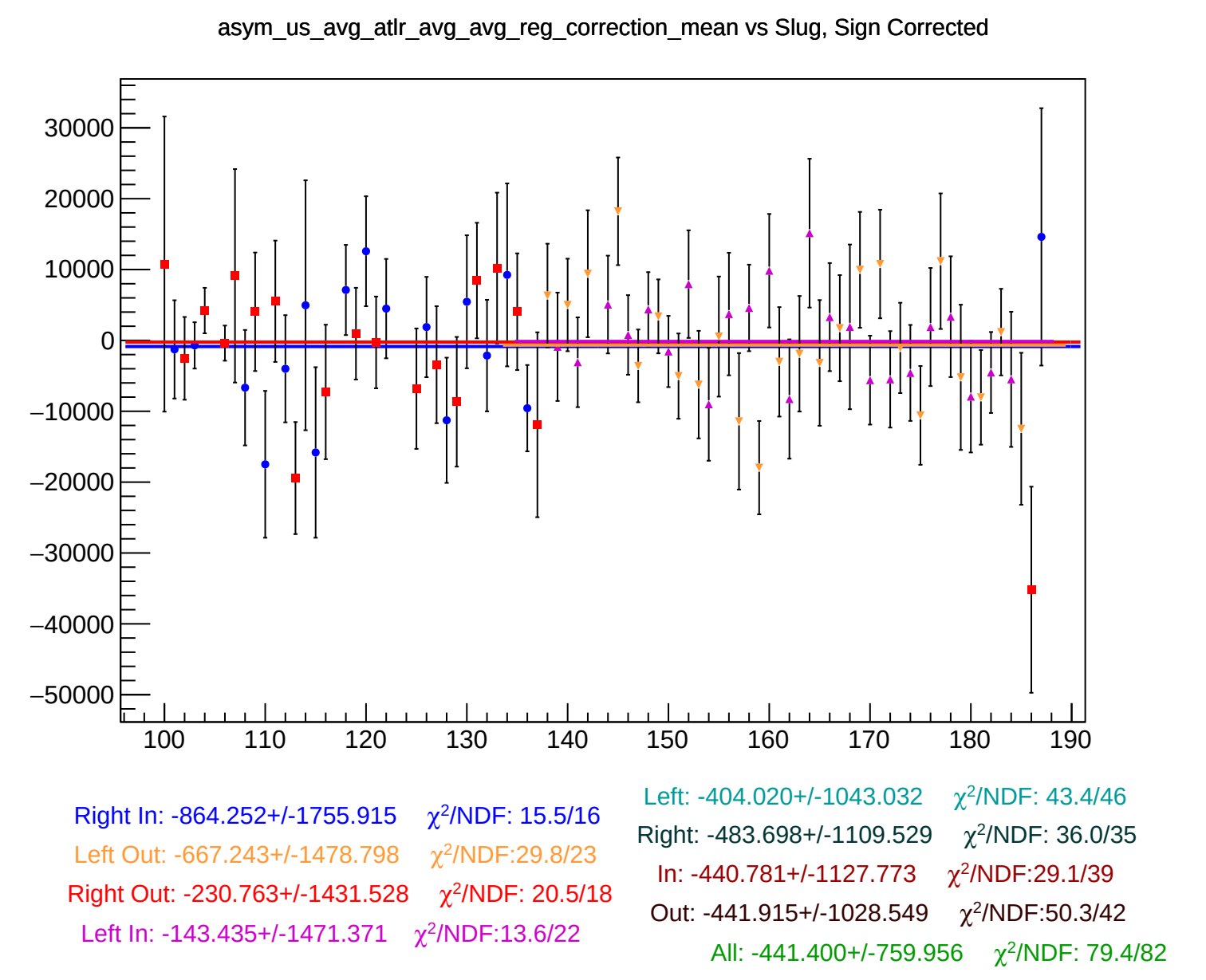
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

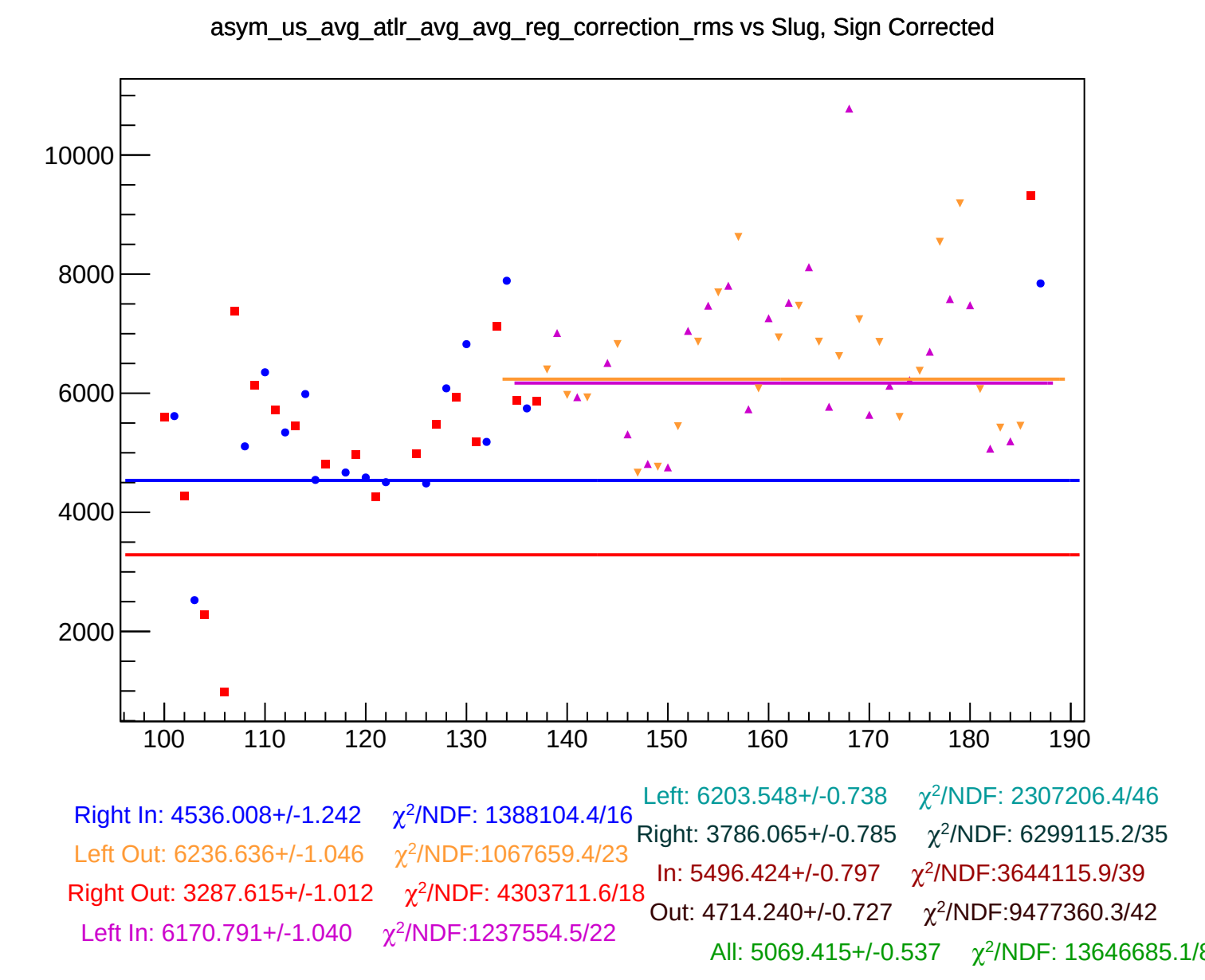
Right: 1859.198+/-0.342 χ^2/NDF: 398718.3/35

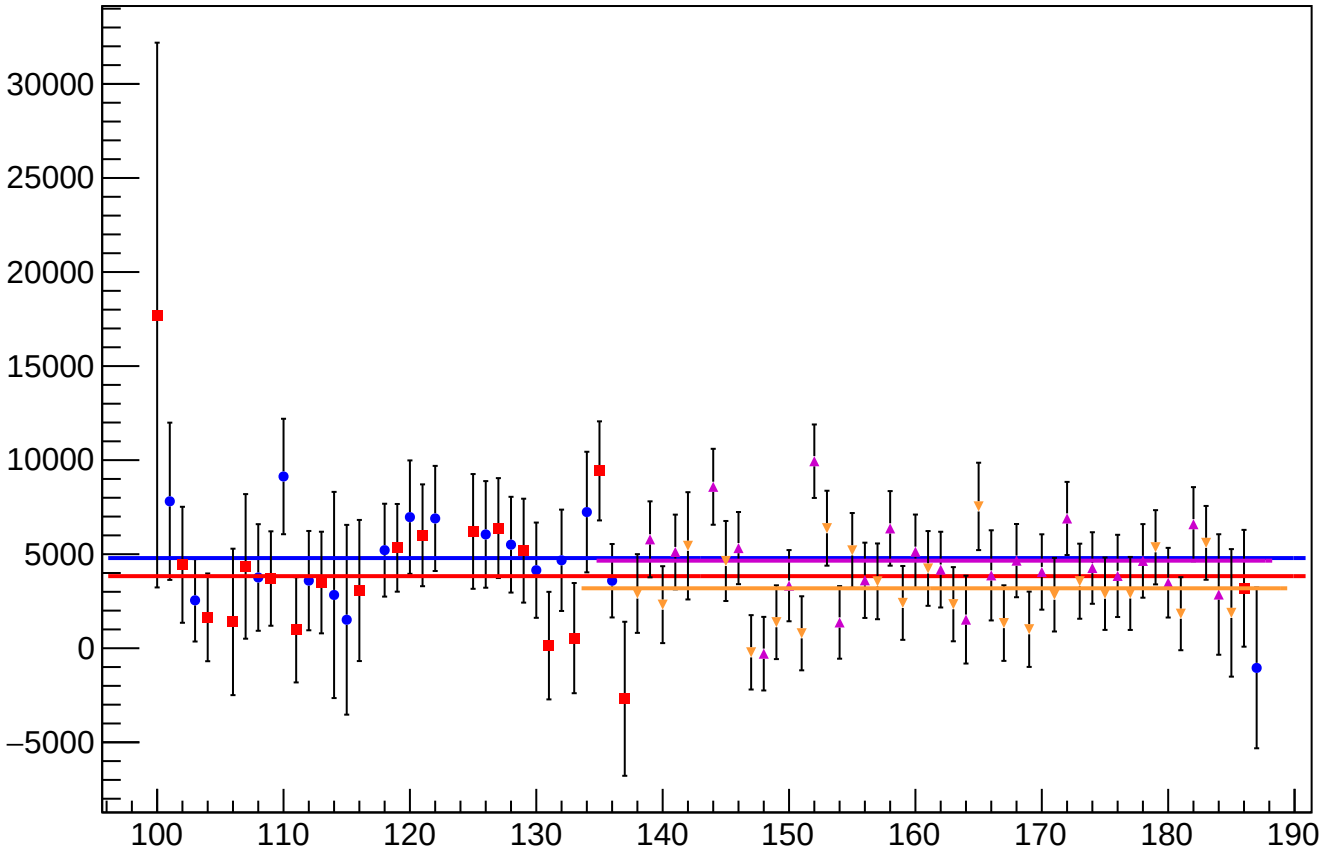
In: 1820.216+/-0.254 χ^2/NDF:320531.6/39

Out: 1818.565+/-0.252 χ^2/NDF:136872.6/42

All: 1819.382+/-0.179 χ^2/NDF: 457425.5/82


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -864.252+/-1755.915 χ²/NDF: 15.5/16
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: -230.763+/-1431.528 χ²/NDF: 20.5/18
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: -483.698+/-1109.529 χ²/NDF: 36.0/35
In: -440.781+/-1127.773 χ²/NDF:29.1/39
Out: -441.915+/-1028.549 χ²/NDF:50.3/42
All: -441.400+/-759.956 χ²/NDF: 79.4/82


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 4536.008+/-1.242 χ²/NDF: 1388104.4/16
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3287.615+/-1.012 χ²/NDF: 4303711.6/18
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 3786.065+/-0.785 χ²/NDF: 6299115.2/35
In: 5496.424+/-0.797 χ²/NDF:3644115.9/39
Out: 4714.240+/-0.727 χ²/NDF:9477360.3/42
All: 5069.415+/-0.537 χ²/NDF: 13646685.1/8



Right In: 4793.534+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3832.544+/-678.941 χ^2/NDF: 16.2/18

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

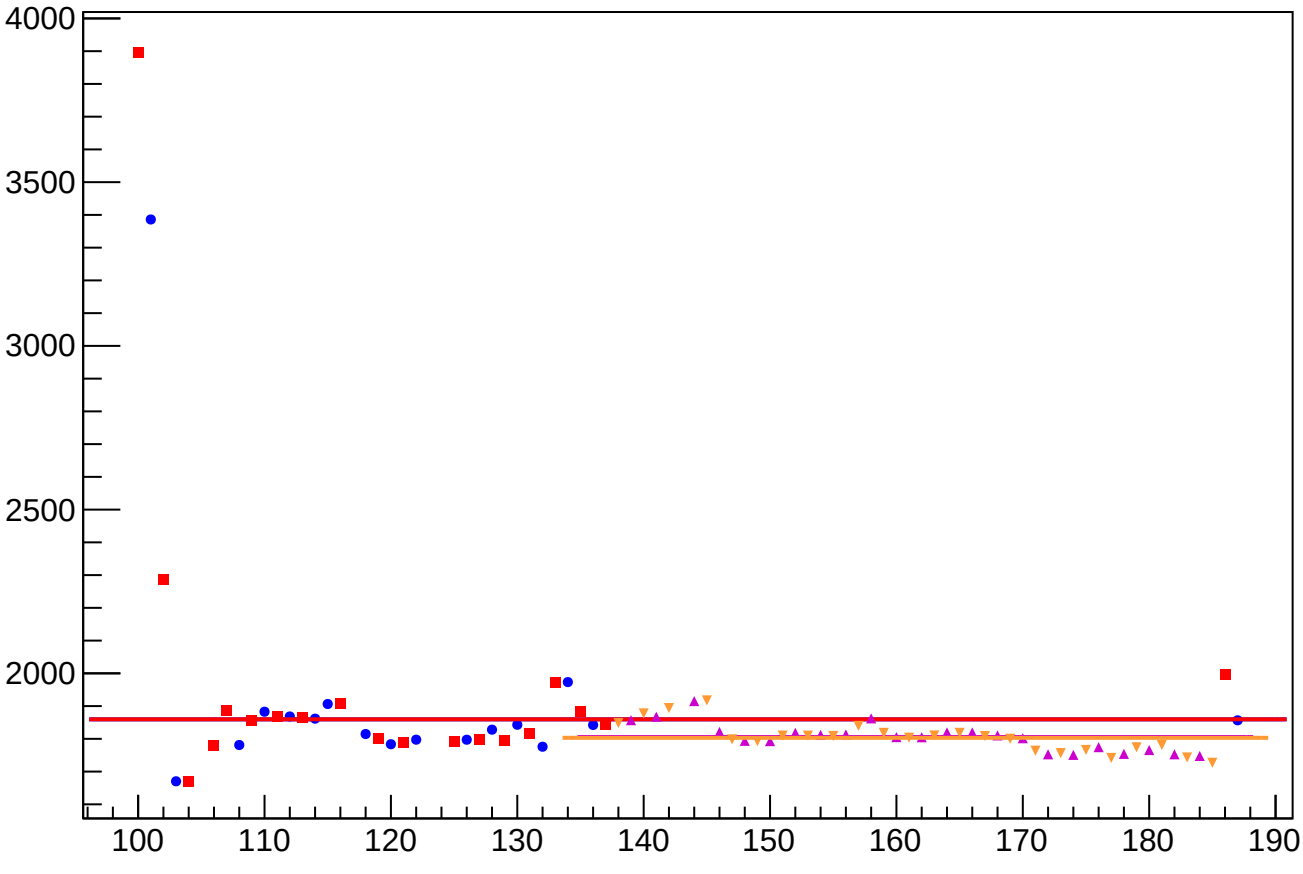
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4305.438+/-483.866 χ^2/NDF: 25.9/35

In: 4692.854+/-359.783 χ^2/NDF:36.5/39

Out: 3364.855+/-356.331 χ^2/NDF:36.7/42

All: 4022.453+/-253.175 χ^2/NDF: 80.1/82



Right In: 1859.433+/-0.488 χ^2/NDF: 292337.4/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1859.647+/-0.479 χ^2/NDF: 105879.8/18

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

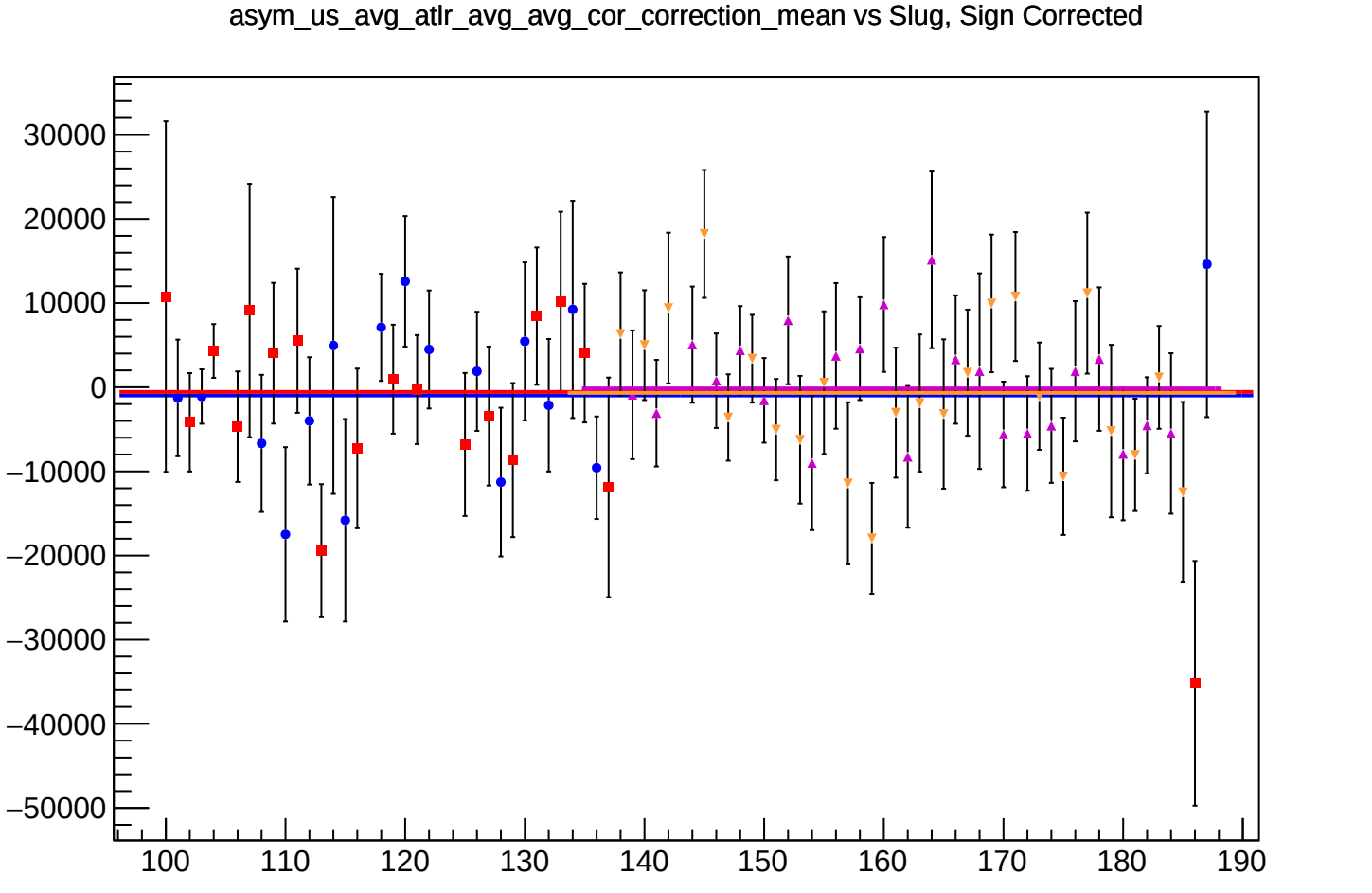
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1859.542+/-0.342 χ^2/NDF: 398217.3/35

In: 1820.216+/-0.254 χ^2/NDF:320533.4/39

Out: 1818.745+/-0.252 χ^2/NDF:136605.5/42

All: 1819.473+/-0.179 χ^2/NDF: 457155.8/82



Right In: -979.498+/-1749.699 χ^2/NDF: 15.5/16

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -552.897+/-1690.897 χ^2/NDF: 21.3/18

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

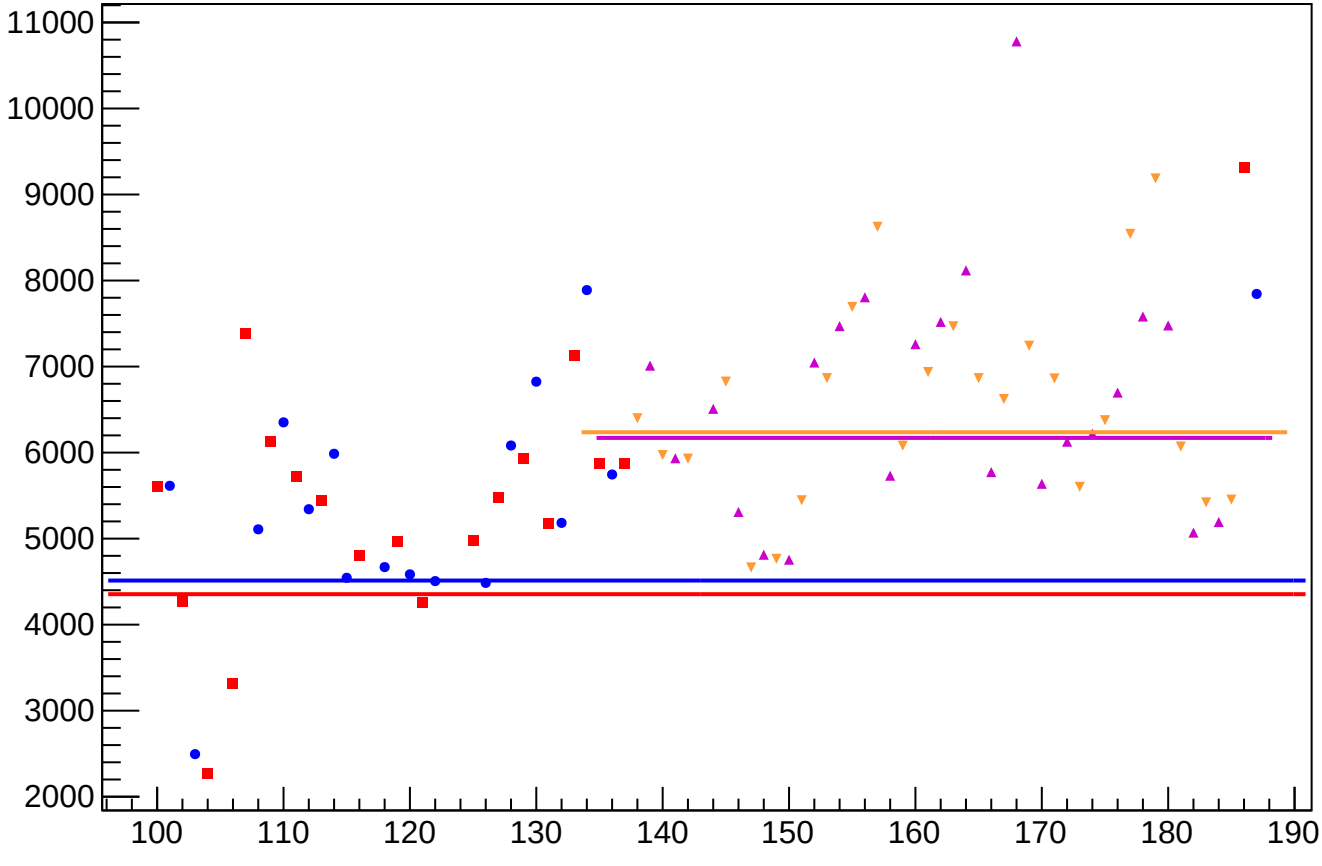
Right: -758.909+/-1215.901 χ^2/NDF: 36.8/35

In: -489.720+/-1126.121 χ^2/NDF:29.2/39

Out: -617.689+/-1113.149 χ^2/NDF:51.1/42

All: -554.446+/-791.662 χ^2/NDF: 80.2/82

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4512.733+/-1.237 χ^2/NDF: 1430197.0/16

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4354.158+/-1.196 χ^2/NDF: 1786097.2/18

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

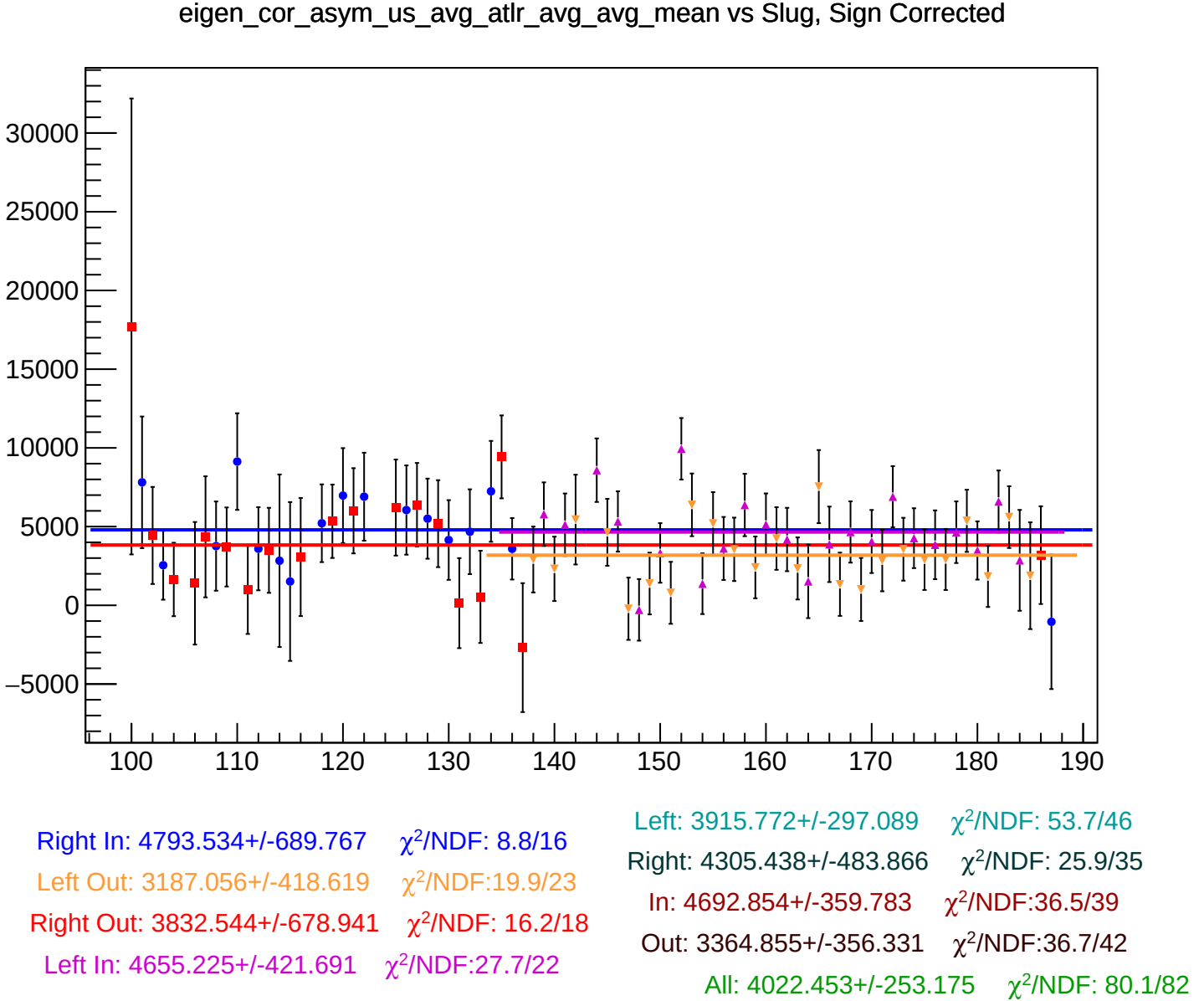
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

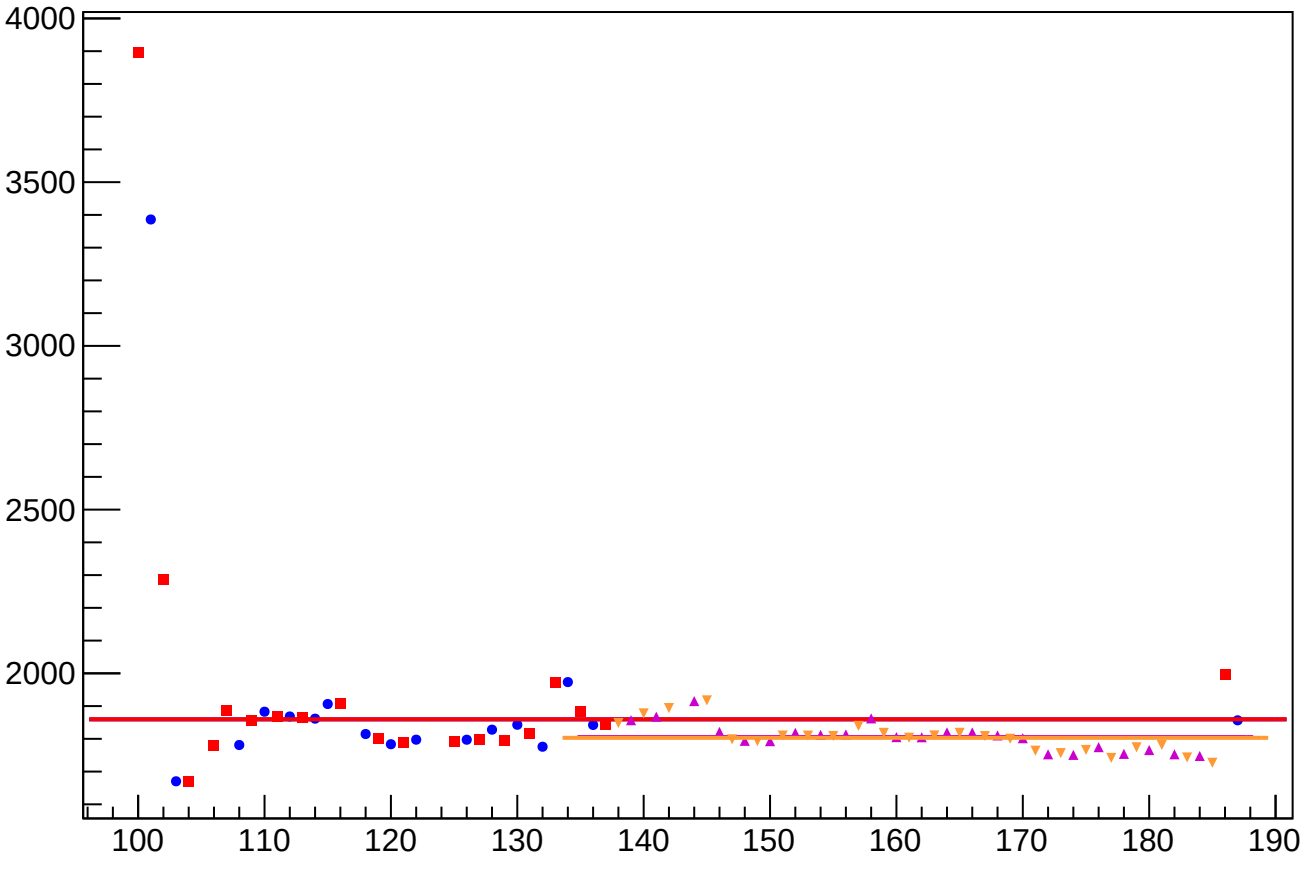
Right: 4430.736+/-0.860 χ^2/NDF: 3224788.7/35

In: 5483.969+/-0.796 χ^2/NDF:3719789.8/39

Out: 5420.800+/-0.787 χ^2/NDF:4258335.6/42

All: 5452.019+/-0.560 χ^2/NDF: 7981308.4/82


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: 4793.534+/-689.767 χ²/NDF: 8.8/16
Left Out: 3187.056+/-418.619 χ²/NDF:19.9/23
Right Out: 3832.544+/-678.941 χ²/NDF: 16.2/18
Left In: 4655.225+/-421.691 χ²/NDF:27.7/22
Left: 3915.772+/-297.089 χ²/NDF: 53.7/46
Right: 4305.438+/-483.866 χ²/NDF: 25.9/35
In: 4692.854+/-359.783 χ²/NDF:36.5/39
Out: 3364.855+/-356.331 χ²/NDF:36.7/42
All: 4022.453+/-253.175 χ²/NDF: 80.1/82



Right In: 1859.433+/-0.488 χ^2/NDF: 292337.4/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1859.647+/-0.479 χ^2/NDF: 105879.8/18

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

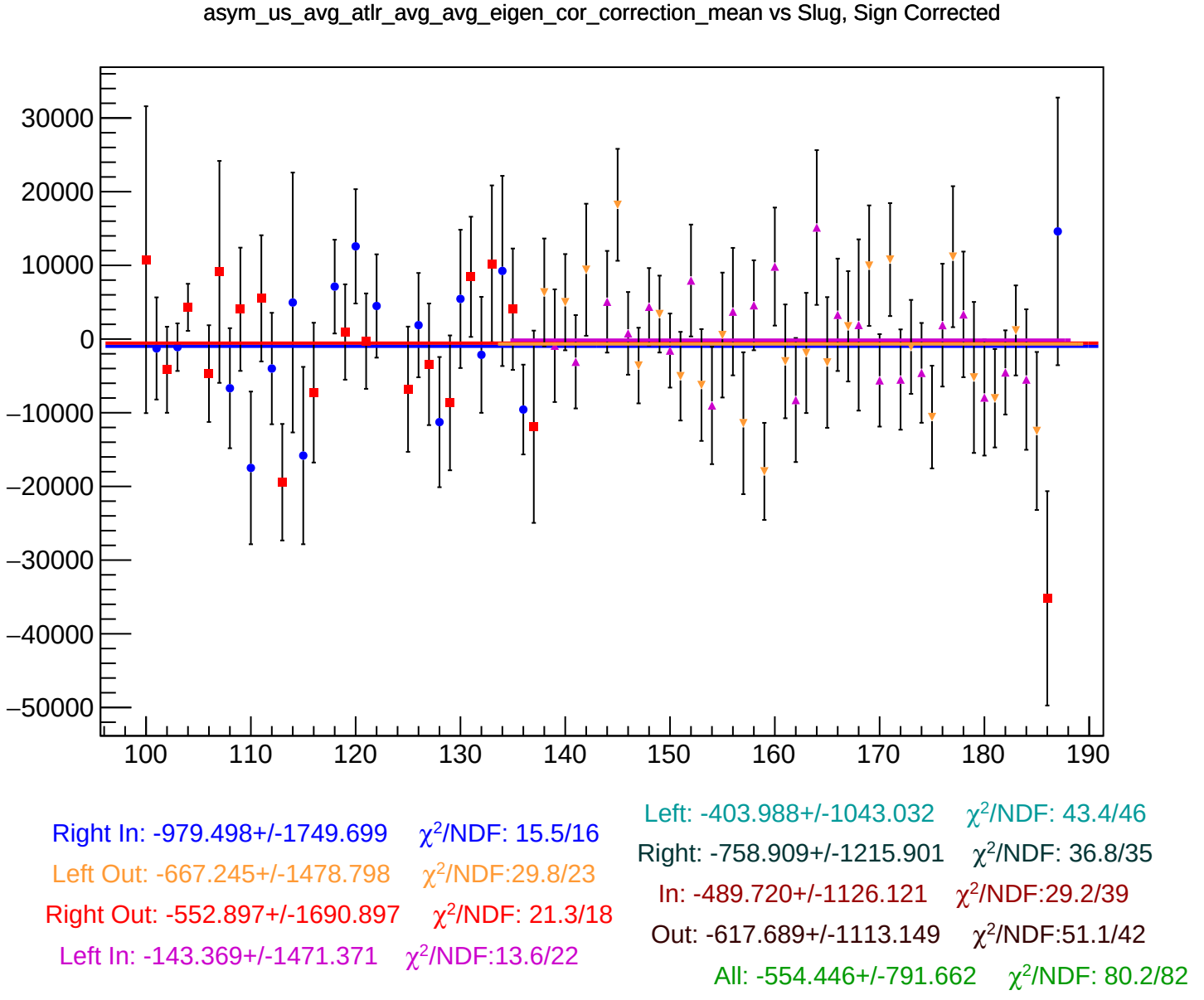
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1859.542+/-0.342 χ^2/NDF: 398217.3/35

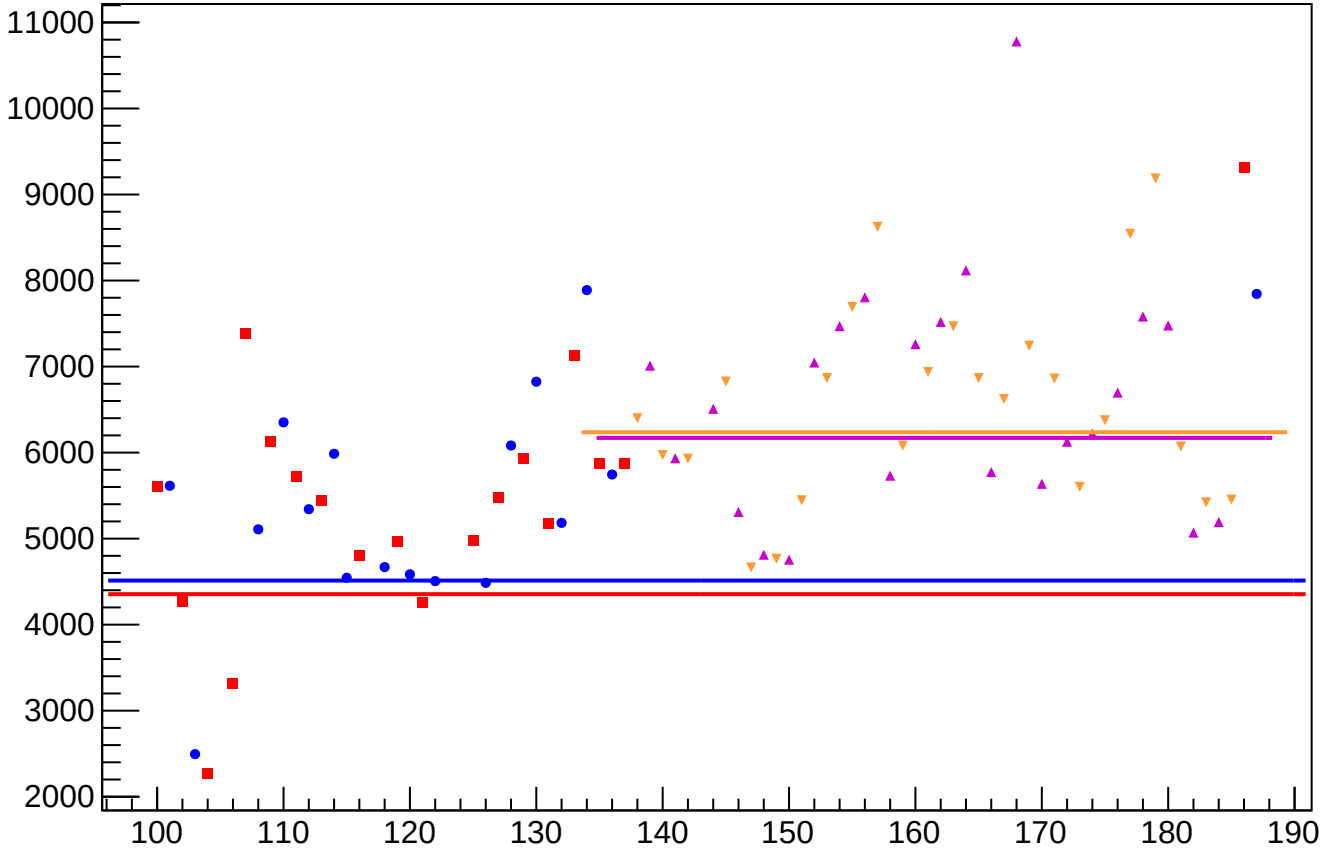
In: 1820.216+/-0.254 χ^2/NDF:320533.4/39

Out: 1818.745+/-0.252 χ^2/NDF:136605.5/42

All: 1819.473+/-0.179 χ^2/NDF: 457155.8/82


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -979.498+/-1749.699 χ²/NDF: 15.5/16
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -552.897+/-1690.897 χ²/NDF: 21.3/18
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -758.909+/-1215.901 χ²/NDF: 36.8/35
In: -489.720+/-1126.121 χ²/NDF:29.2/39
Out: -617.689+/-1113.149 χ²/NDF:51.1/42
All: -554.446+/-791.662 χ²/NDF: 80.2/82

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4512.733+/-1.237 χ^2/NDF: 1430197.0/16

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4354.158+/-1.196 χ^2/NDF: 1786097.2/18

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

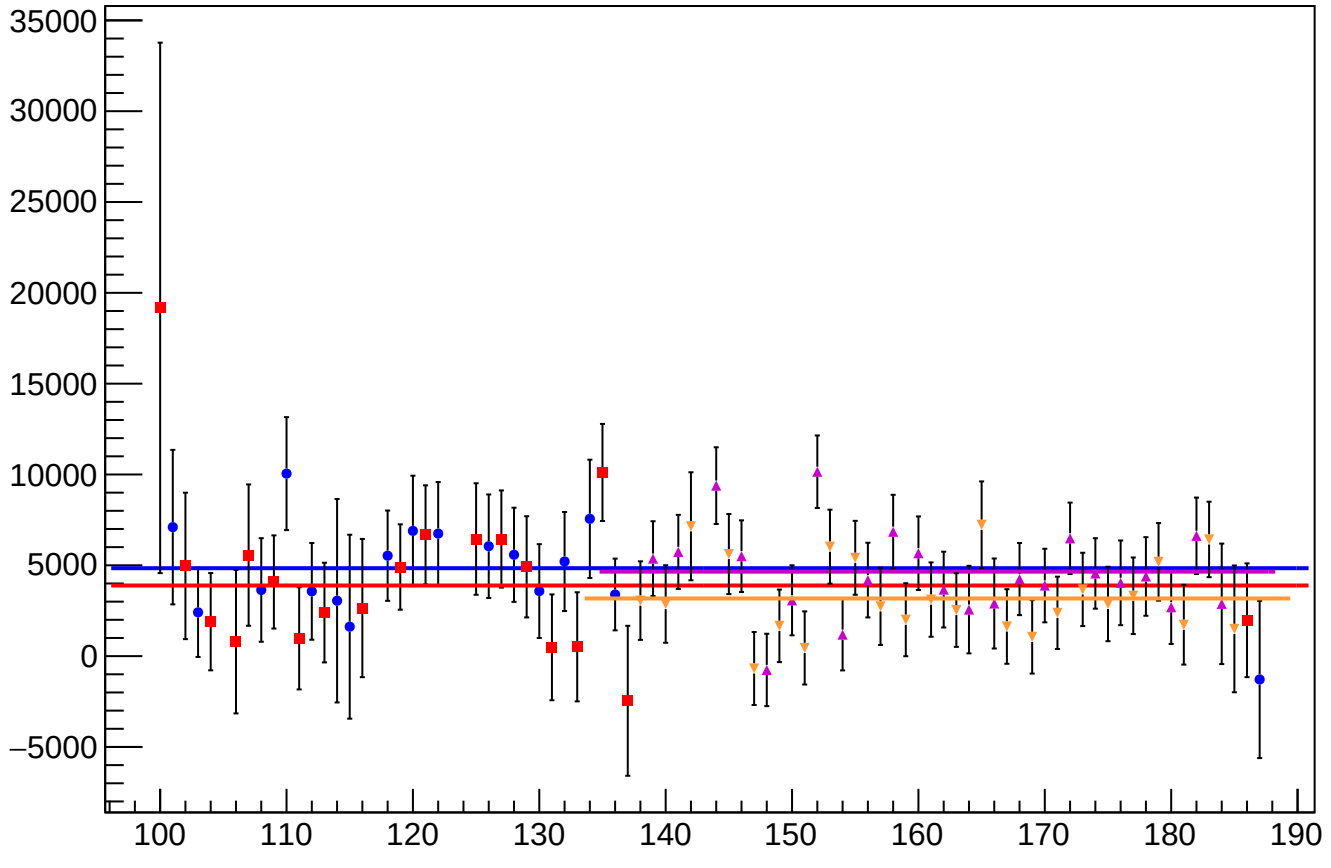
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4430.736+/-0.860 χ^2/NDF: 3224788.7/35

In: 5483.969+/-0.796 χ^2/NDF:3719789.8/39

Out: 5420.800+/-0.787 χ^2/NDF:4258335.6/42

All: 5452.019+/-0.560 χ^2/NDF: 7981308.4/82



Right In: 4840.582+/-704.537 χ^2/NDF: 9.7/16

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3888.301+/-700.790 χ^2/NDF: 17.8/18

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

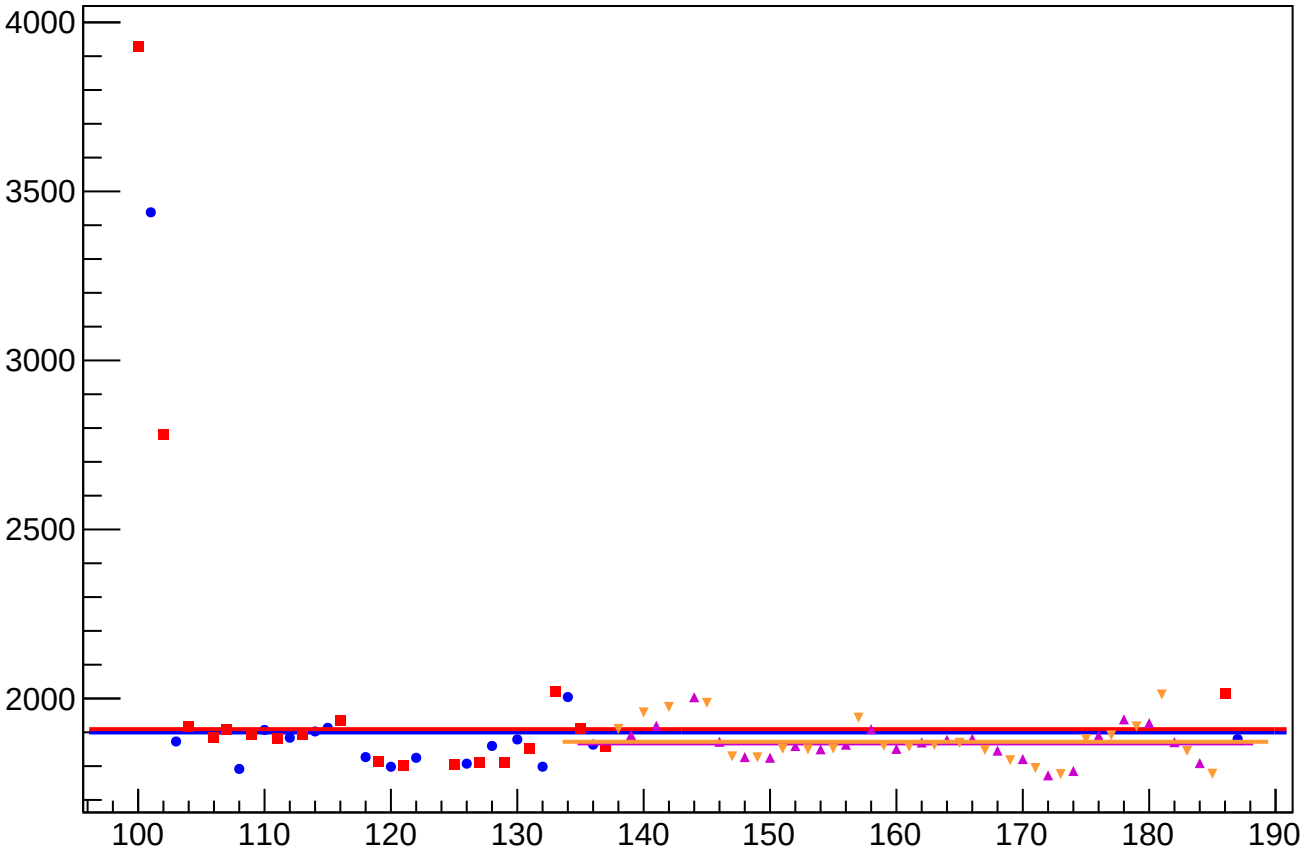
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4361.902+/-496.853 χ^2/NDF: 28.4/35

In: 4703.144+/-370.871 χ^2/NDF:40.3/39

Out: 3372.948+/-369.474 χ^2/NDF:40.1/42

All: 4035.536+/-261.750 χ^2/NDF: 86.8/82



Right In: 1899.580+/-0.498 χ^2/NDF: 278490.1/16

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1909.359+/-0.495 χ^2/NDF: 152489.5/18

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

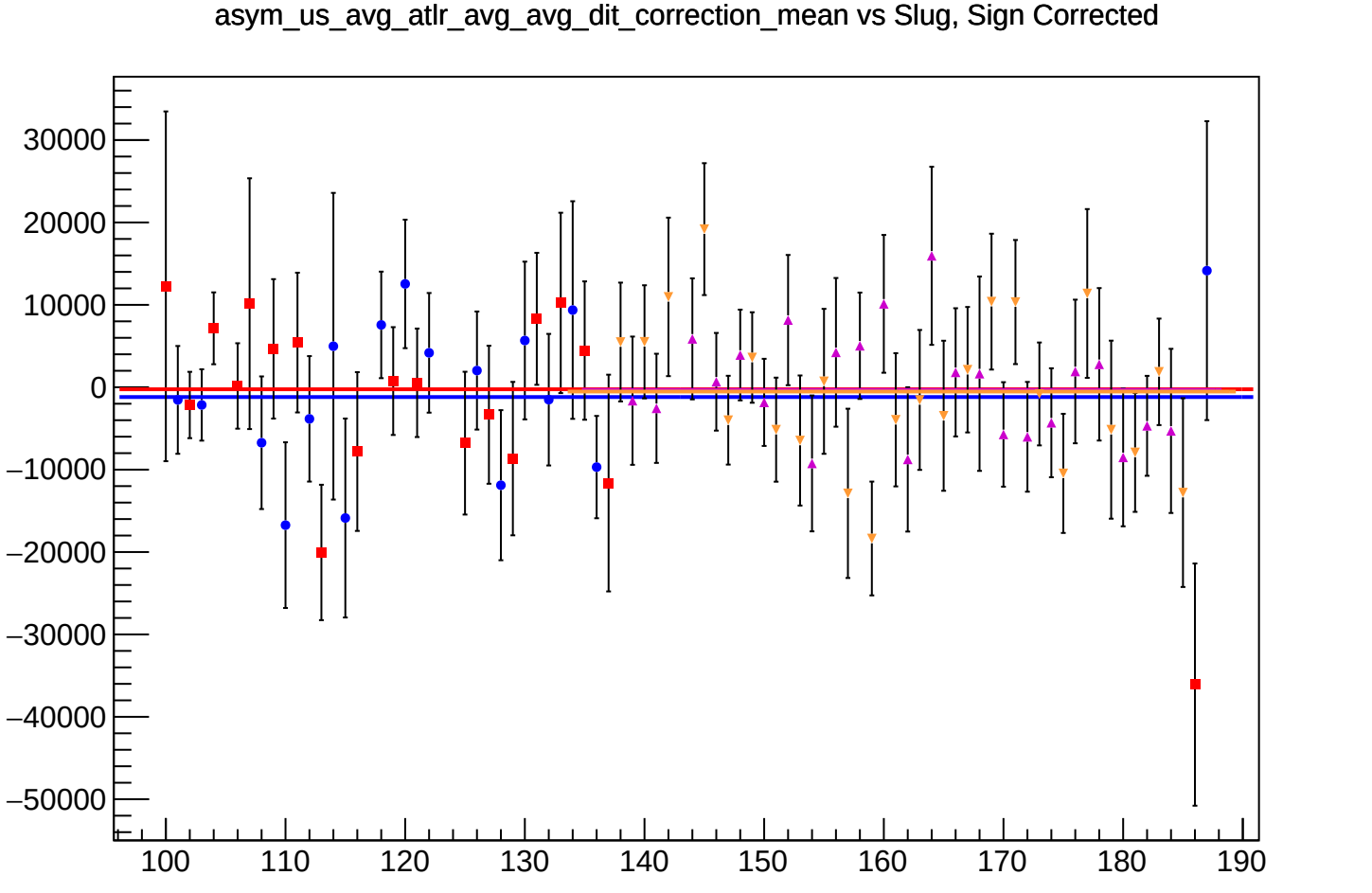
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1904.500+/-0.351 χ^2/NDF: 431173.4/35

In: 1876.085+/-0.262 χ^2/NDF:308813.5/39

Out: 1882.385+/-0.261 χ^2/NDF:193758.8/42

All: 1879.248+/-0.185 χ^2/NDF: 502862.0/82



Right In: -1189.030+/-1885.717 χ^2/NDF: 15.4/16

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -245.546+/-1701.170 χ^2/NDF: 21.8/18

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

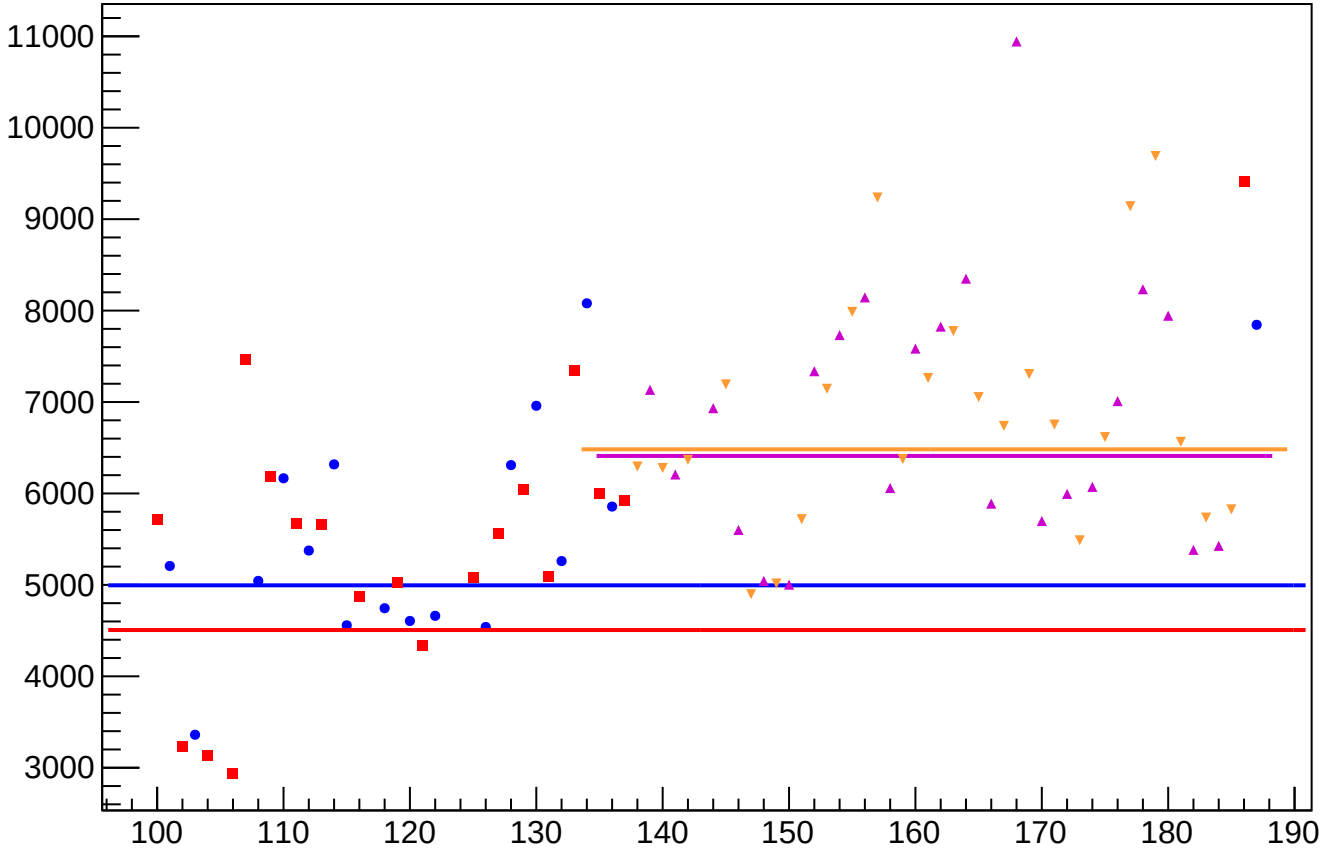
Right: -668.874+/-1263.128 χ^2/NDF: 37.3/35

In: -667.231+/-1187.176 χ^2/NDF:29.0/39

Out: -396.815+/-1140.370 χ^2/NDF:51.0/42

All: -526.587+/-822.413 χ^2/NDF: 79.9/82

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4995.130+/-1.333 χ^2/NDF: 677270.7/16

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 4506.291+/-1.203 χ^2/NDF: 1384373.8/18

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

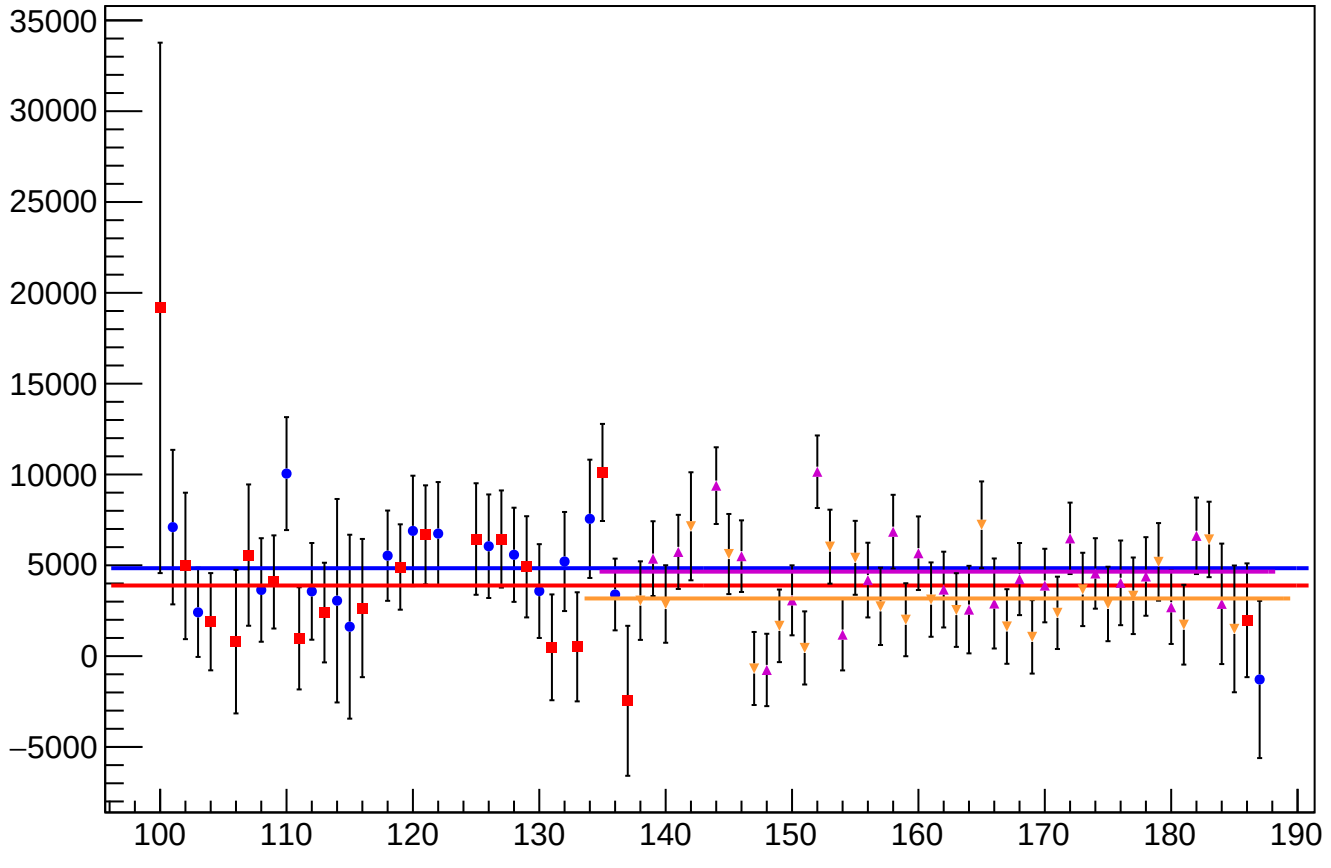
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 4725.626+/-0.893 χ^2/NDF: 2135742.8/35

In: 5849.471+/-0.839 χ^2/NDF:2577170.4/39

Out: 5594.593+/-0.806 χ^2/NDF:3945466.4/42

All: 5716.909+/-0.582 χ^2/NDF: 6570582.7/82



Right In: 4840.581+/-704.536 χ^2/NDF: 9.7/16

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3888.303+/-700.790 χ^2/NDF: 17.8/18

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

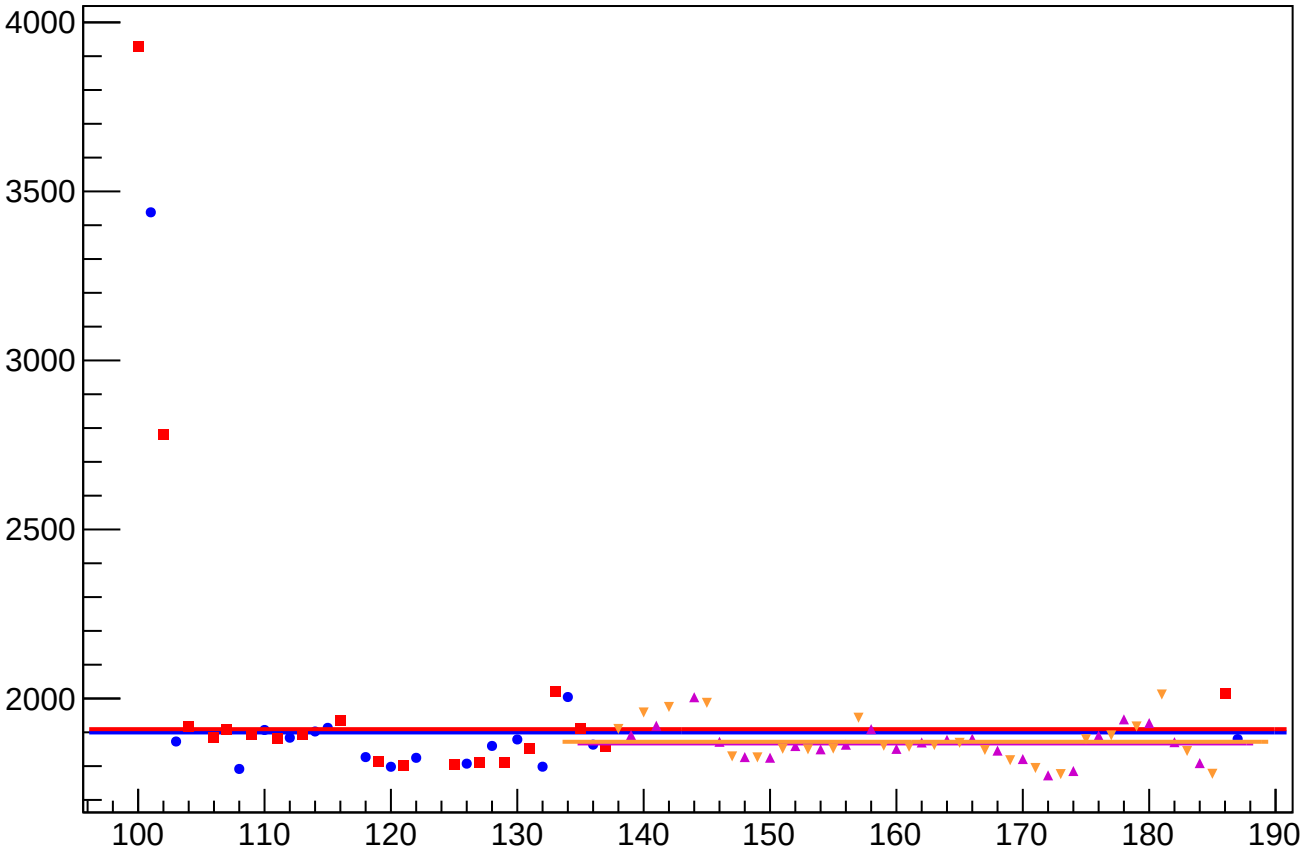
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4361.903+/-496.853 χ^2/NDF: 28.4/35

In: 4703.144+/-370.871 χ^2/NDF:40.3/39

Out: 3372.944+/-369.474 χ^2/NDF:40.1/42

All: 4035.534+/-261.750 χ^2/NDF: 86.8/82



Right In: 1899.579+/-0.498 χ^2/NDF: 278490.3/16

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1909.358+/-0.495 χ^2/NDF: 152488.8/18

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

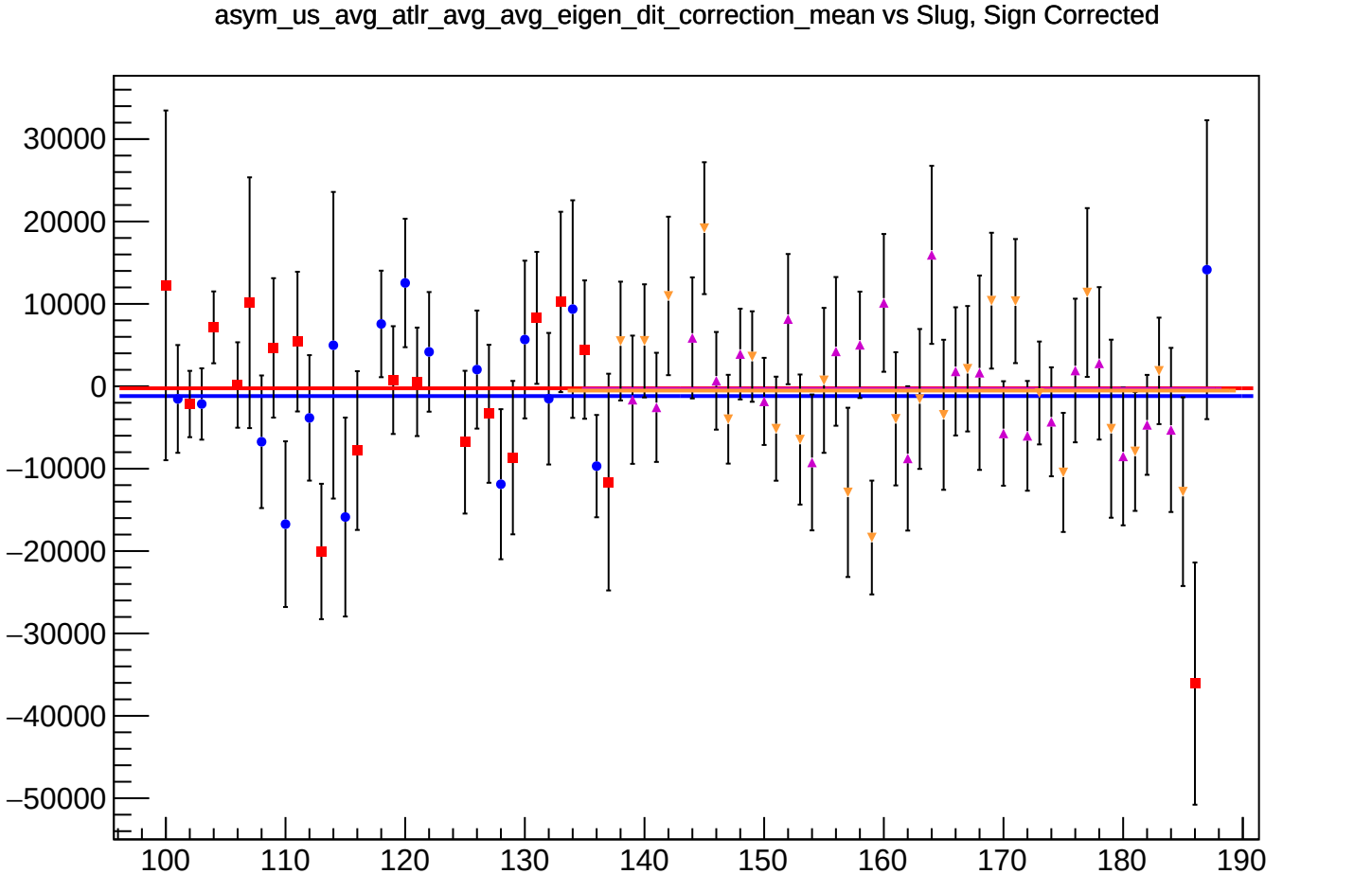
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1904.500+/-0.351 χ^2/NDF: 431172.9/35

In: 1876.086+/-0.262 χ^2/NDF:308814.5/39

Out: 1882.386+/-0.261 χ^2/NDF:193758.6/42

All: 1879.249+/-0.185 χ^2/NDF: 502862.9/82



Right In: -1189.021+/-1885.712 χ^2/NDF: 15.4/16

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -245.542+/-1701.166 χ^2/NDF: 21.8/18

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

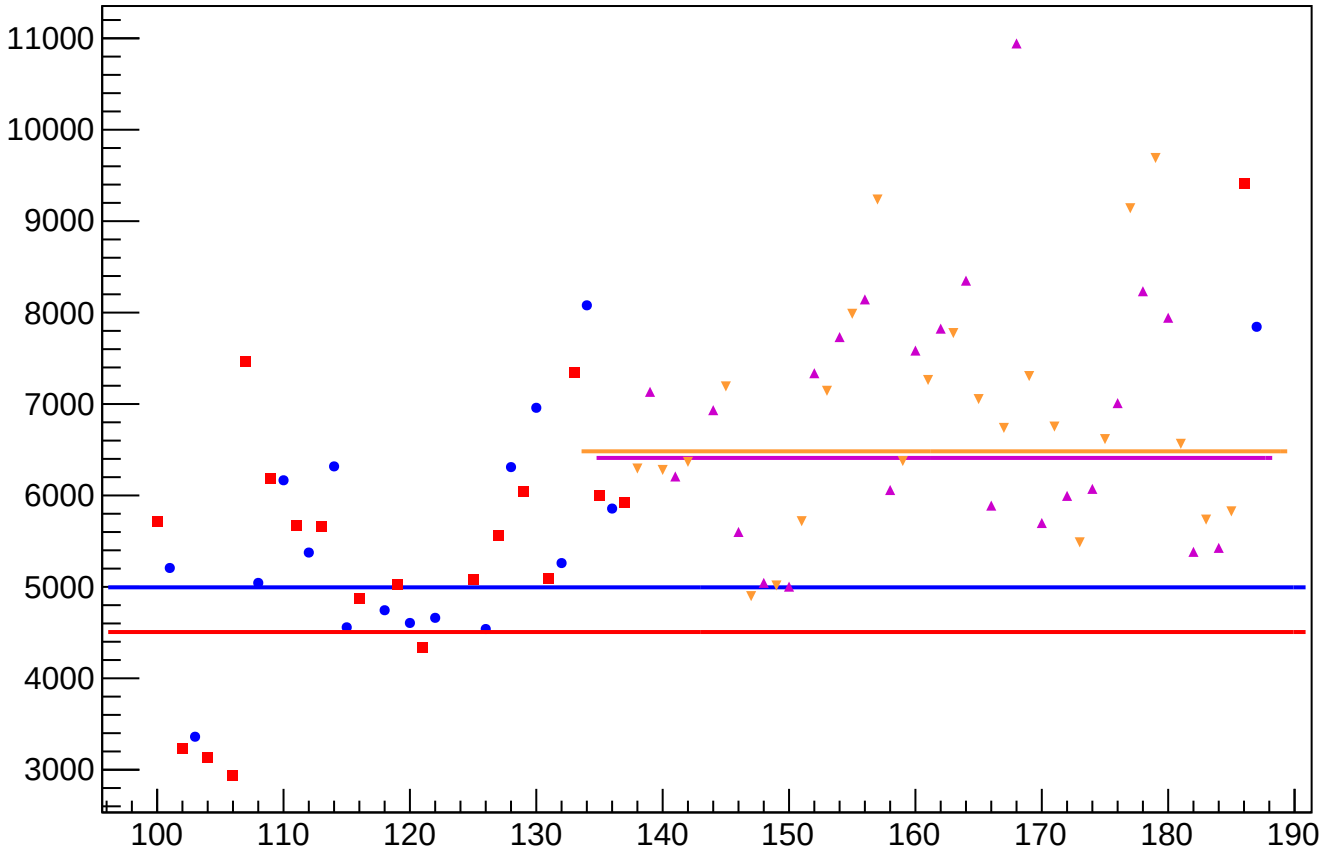
Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

Right: -668.867+/-1263.125 χ^2/NDF: 37.3/35

In: -667.229+/-1187.176 χ^2/NDF:29.0/39

Out: -396.816+/-1140.370 χ^2/NDF:51.0/42

All: -526.587+/-822.413 χ^2/NDF: 79.9/82



Right In: 4995.117+/-1.333 χ^2/NDF: 677273.9/16

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4506.280+/-1.203 χ^2/NDF: 1384374.3/18

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

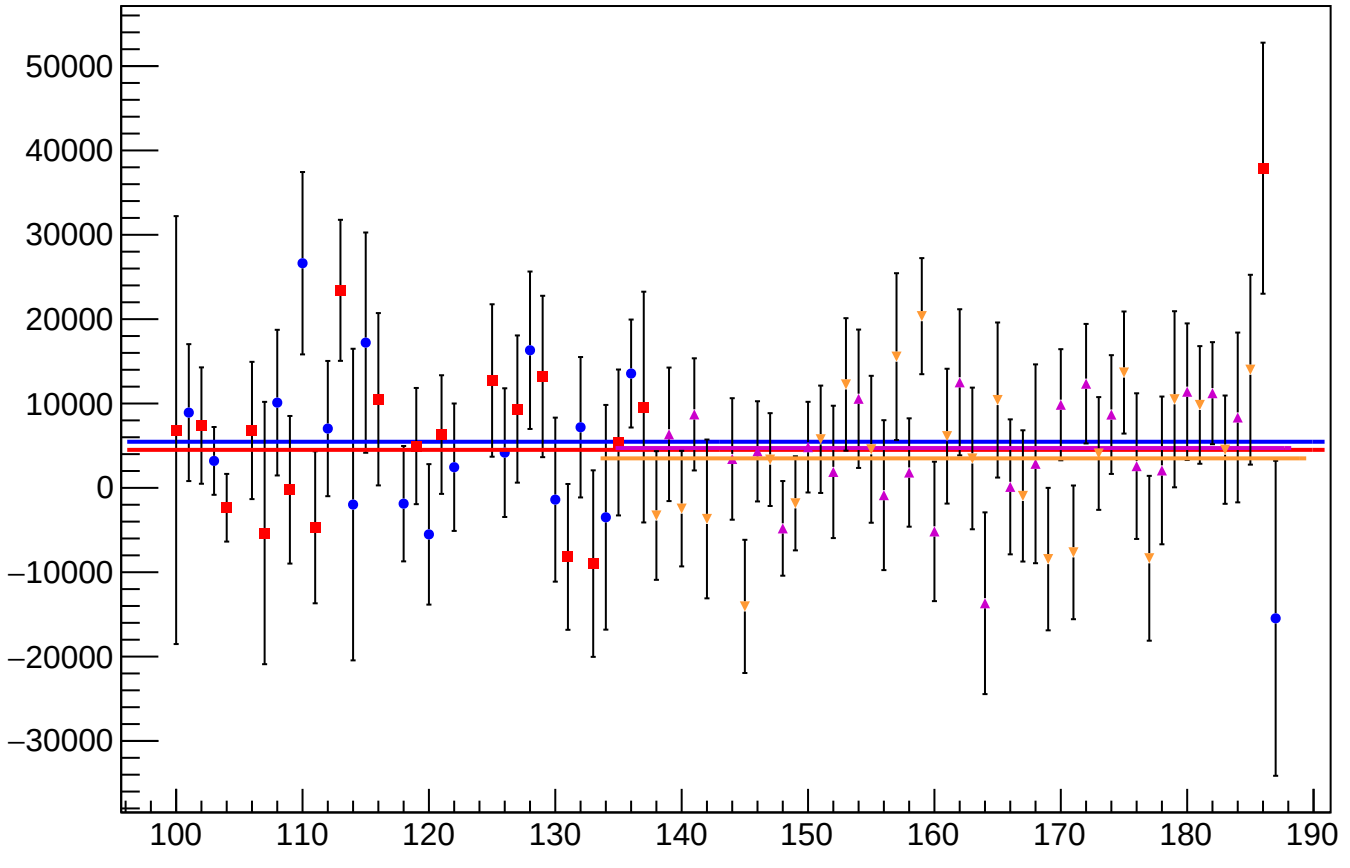
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 4725.614+/-0.893 χ^2/NDF: 2135746.5/35

In: 5849.470+/-0.839 χ^2/NDF:2577200.0/39

Out: 5594.590+/-0.806 χ^2/NDF:3945504.6/42

All: 5716.906+/-0.582 χ^2/NDF: 6570651.2/82



Right In: 5466.782+/-1948.516 χ^2/NDF: 13.9/16

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 4505.578+/-1904.783 χ^2/NDF: 21.2/18

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

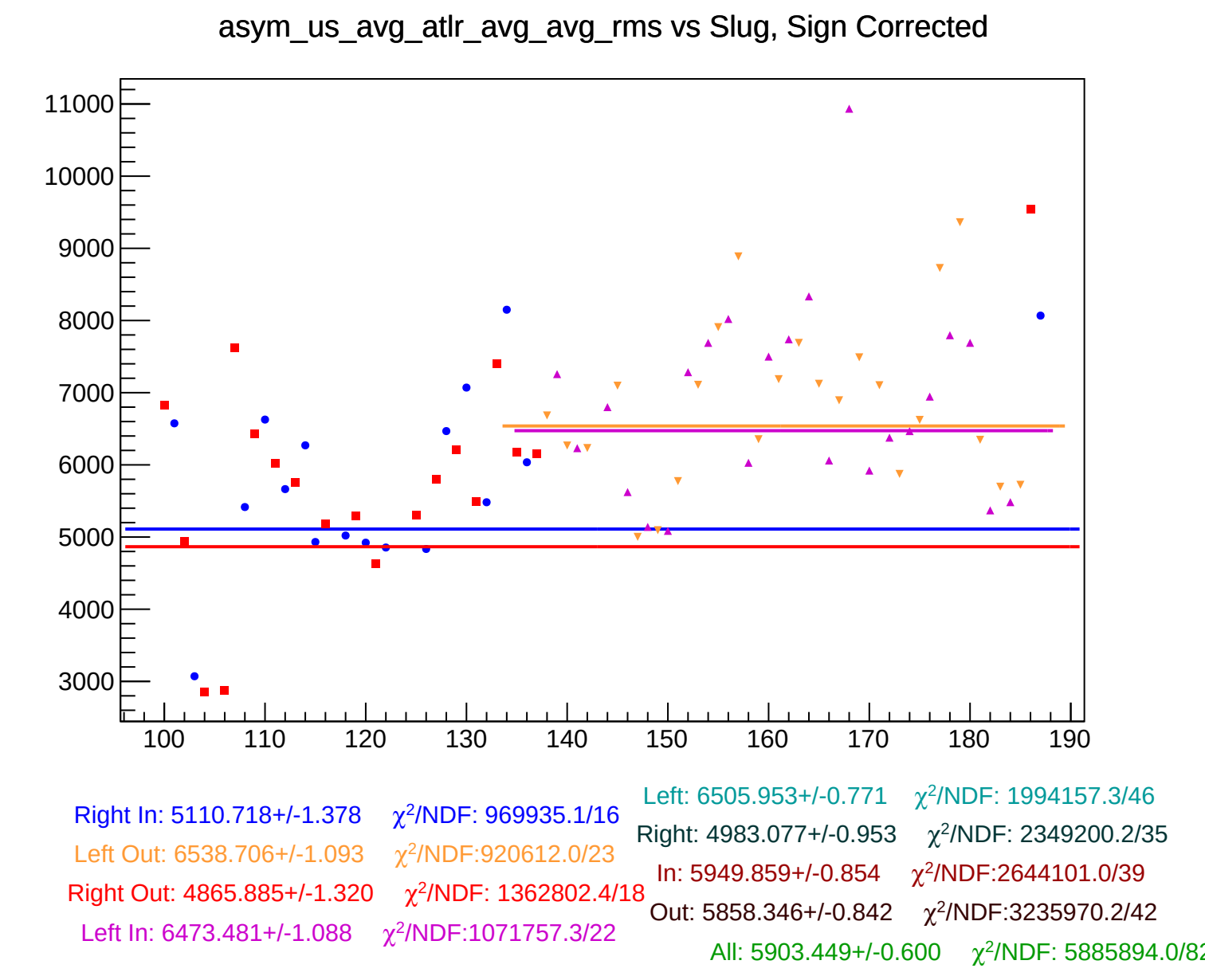
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

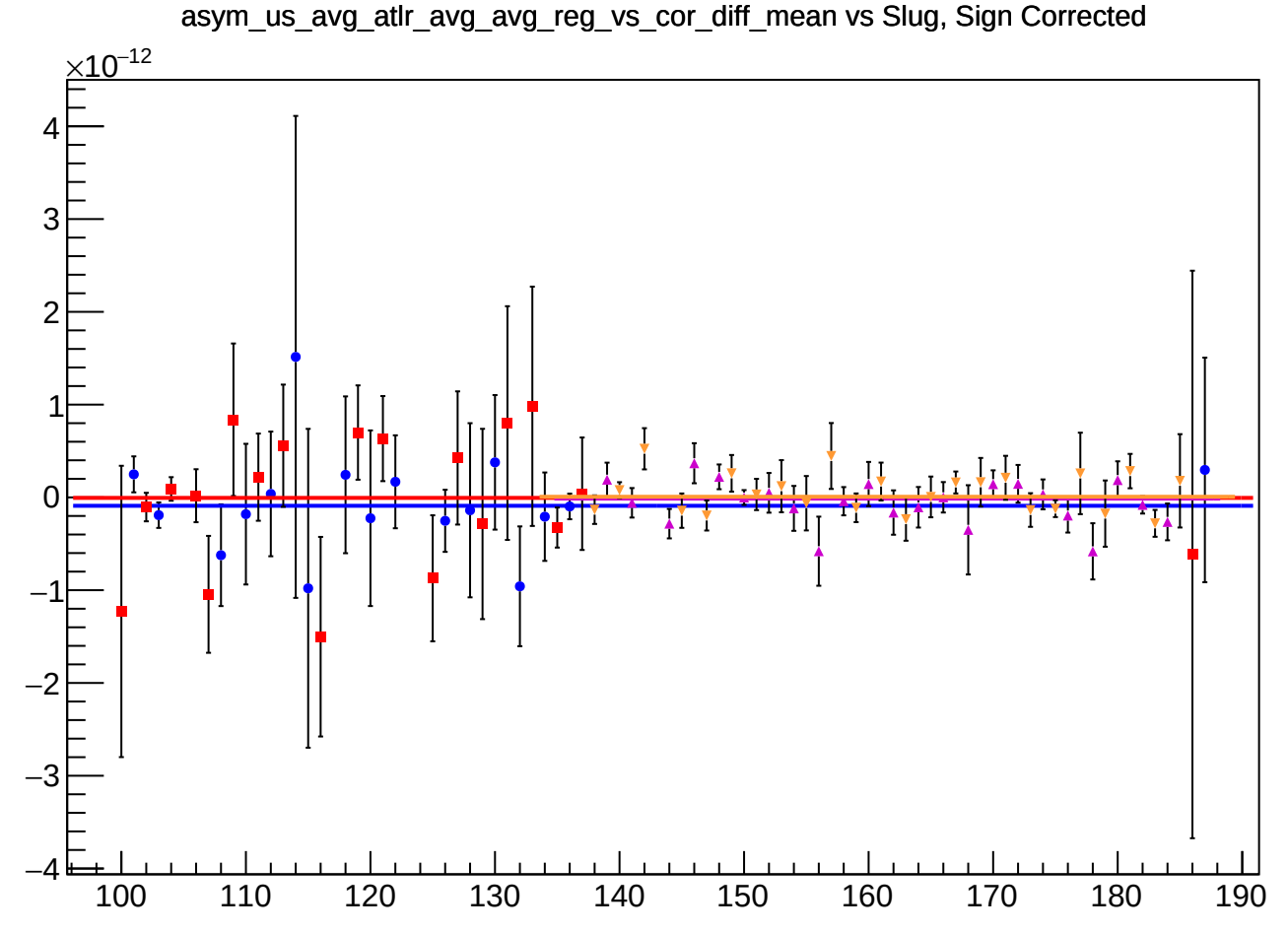
Right: 4975.272+/-1362.084 χ^2/NDF: 35.3/35

In: 5006.648+/-1207.810 χ^2/NDF:28.3/39

Out: 3897.594+/-1200.301 χ^2/NDF:48.9/42

All: 4448.663+/-851.383 χ^2/NDF: 77.6/82


asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 5110.718+/-1.378 χ²/NDF: 969935.1/16
Left Out: 6538.706+/-1.093 χ²/NDF:920612.0/23
Right Out: 4865.885+/-1.320 χ²/NDF: 1362802.4/18
Left In: 6473.481+/-1.088 χ²/NDF:1071757.3/22
Left: 6505.953+/-0.771 χ²/NDF: 1994157.3/46
Right: 4983.077+/-0.953 χ²/NDF: 2349200.2/35
In: 5949.859+/-0.854 χ²/NDF:2644101.0/39
Out: 5858.346+/-0.842 χ²/NDF:3235970.2/42
All: 5903.449+/-0.600 χ²/NDF: 5885894.0/82



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/18

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

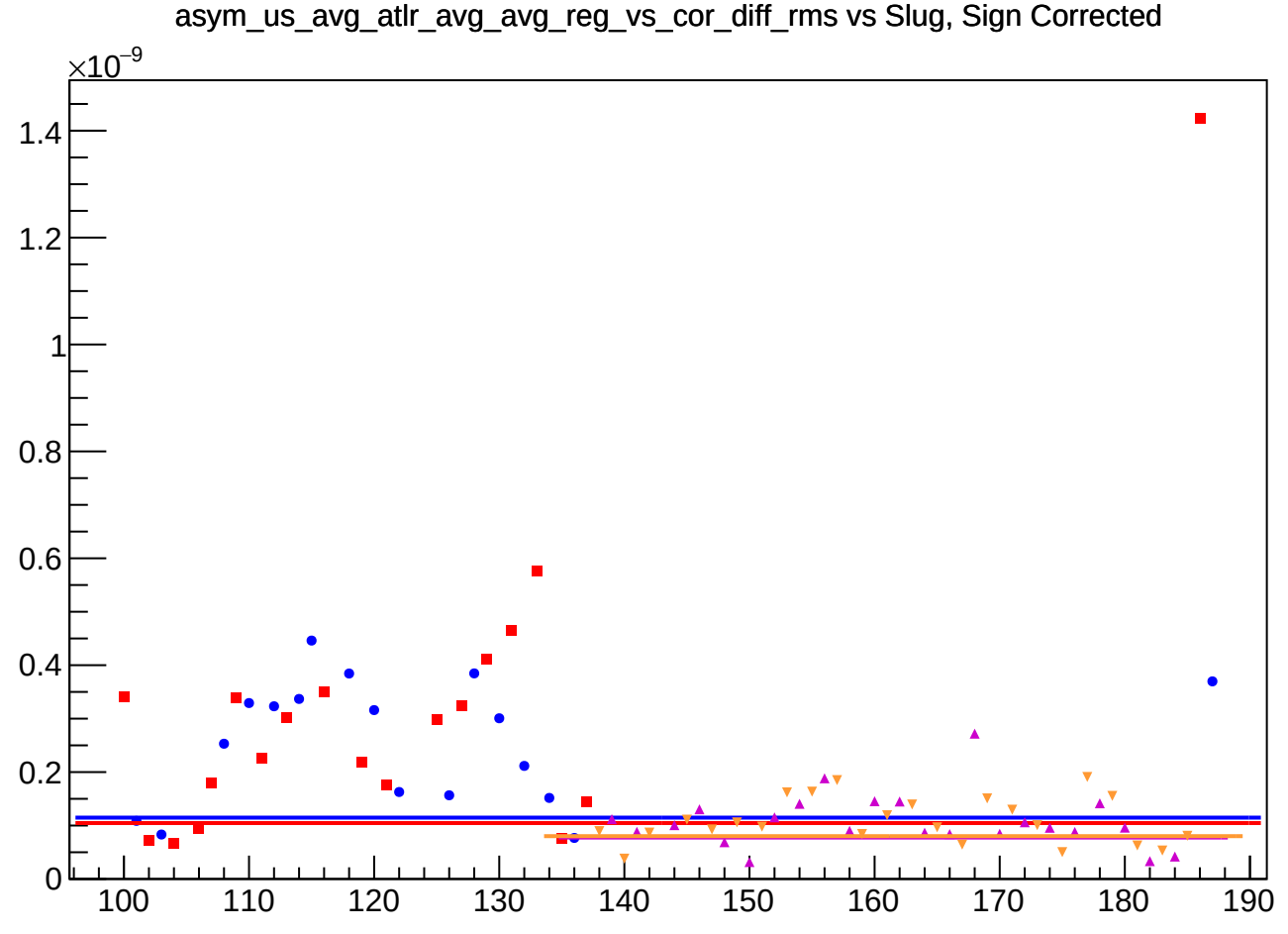
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 26.3/35

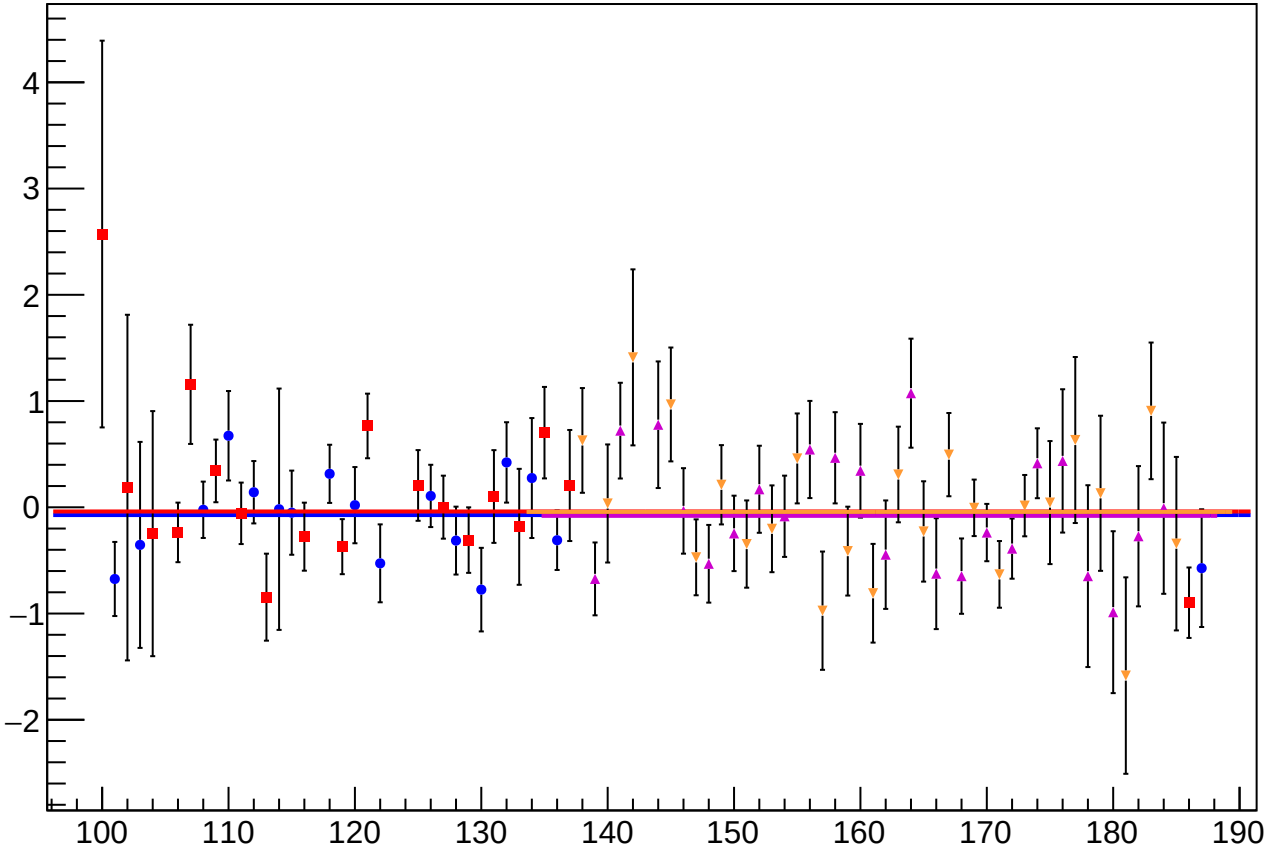
In: -0.000+/-0.000 χ^2/NDF:33.1/39

Out: 0.000+/-0.000 χ^2/NDF:44.6/42

All: -0.000+/-0.000 χ^2/NDF: 78.2/82


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1613915.3/16
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2459164.2/18
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
Left: 0.000+/-0.000 χ²/NDF: 4801129.7/46
Right: 0.000+/-0.000 χ²/NDF: 4090200.1/35
In: 0.000+/-0.000 χ²/NDF:4641287.6/39
Out: 0.000+/-0.000 χ²/NDF:4780433.2/42
All: 0.000+/-0.000 χ²/NDF: 9422155.4/82

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.039+/-0.085 χ^2/NDF: 33.3/18

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

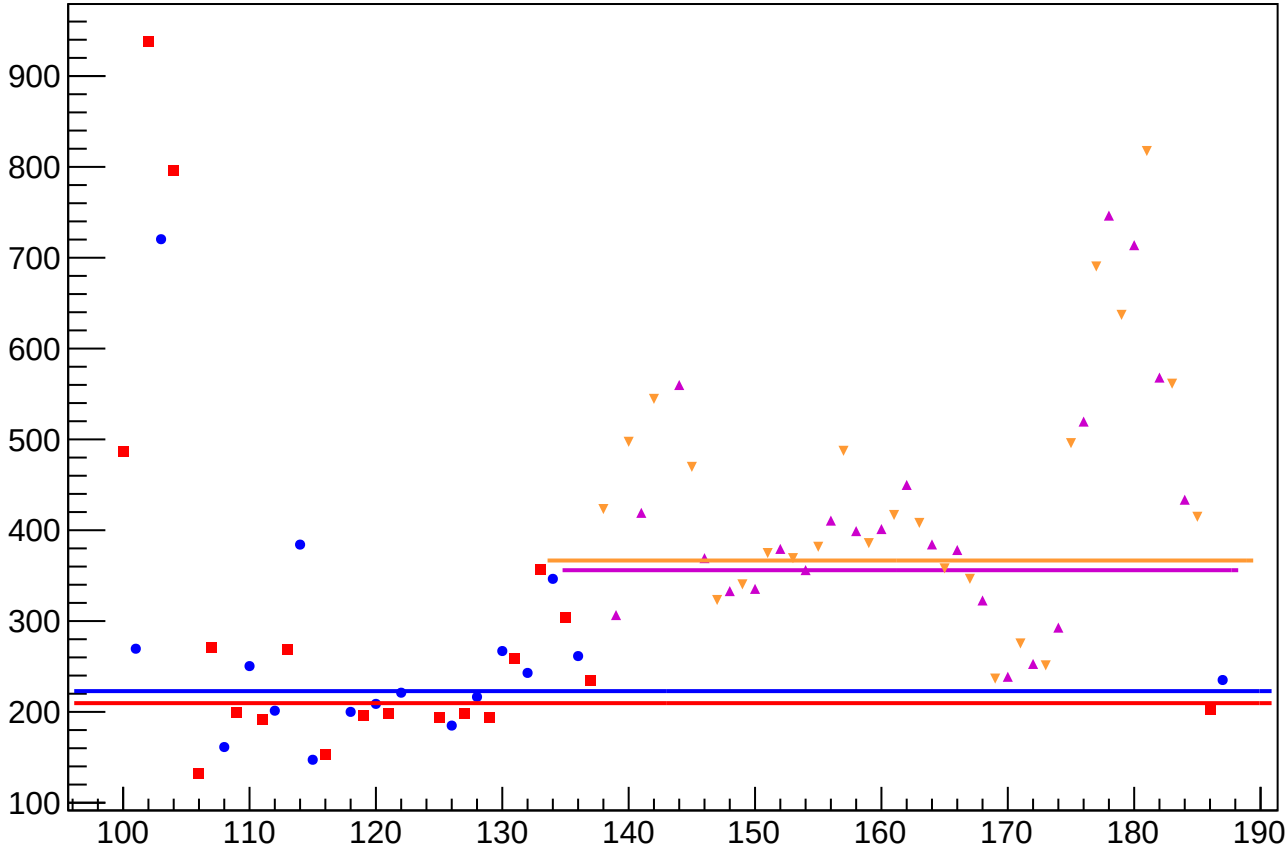
Right: -0.056+/-0.061 χ^2/NDF: 51.5/35

In: -0.077+/-0.062 χ^2/NDF:48.5/39

Out: -0.041+/-0.062 χ^2/NDF:64.3/42

All: -0.059+/-0.044 χ^2/NDF: 112.9/82

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.882+/-0.062 χ^2/NDF: 1019774.1/16

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 209.642+/-0.060 χ^2/NDF: 1549457.8/18

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

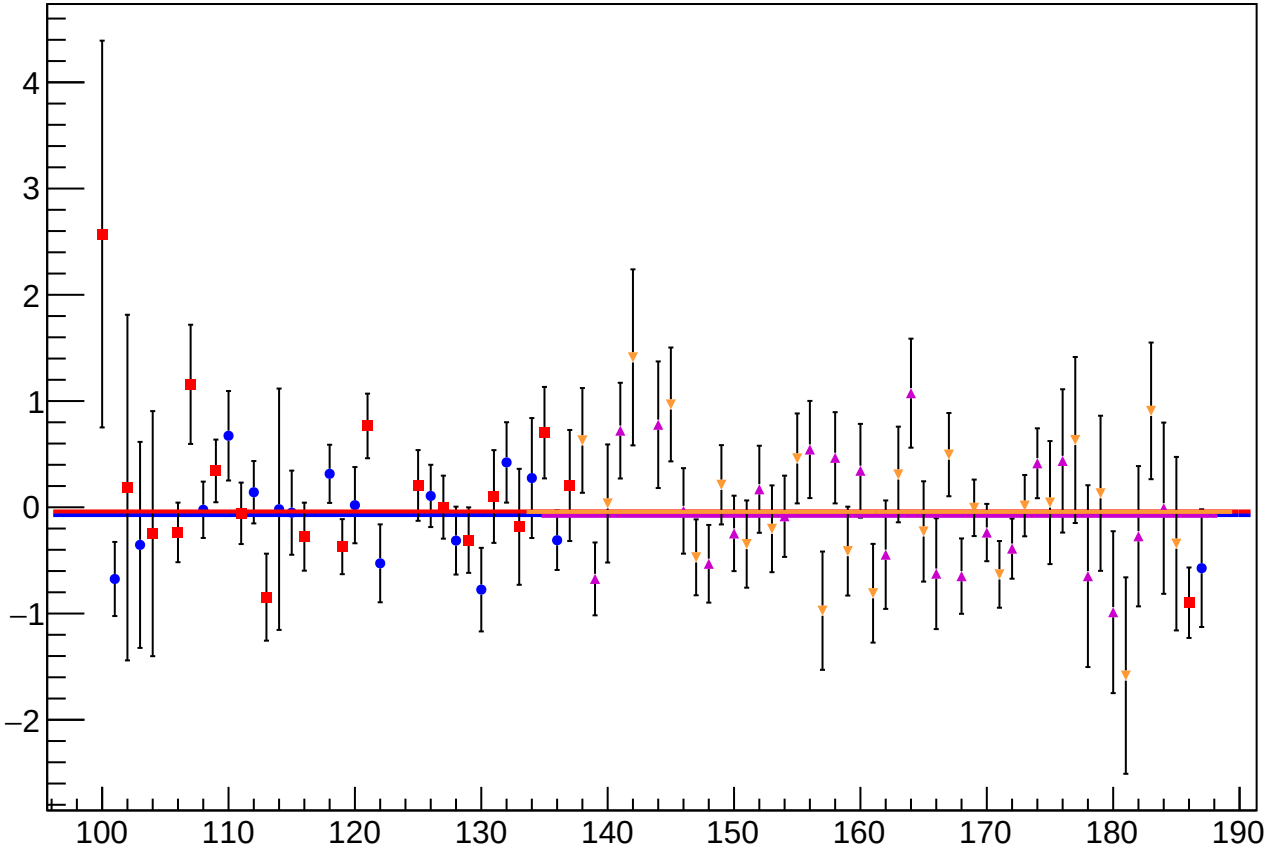
Right: 216.031+/-0.043 χ^2/NDF: 2592902.9/35

In: 289.267+/-0.044 χ^2/NDF:5746463.8/39

Out: 282.852+/-0.044 χ^2/NDF:7607658.2/42

All: 286.049+/-0.031 χ^2/NDF: 13364871.5/82

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.039+/-0.085 χ^2/NDF: 33.3/18

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

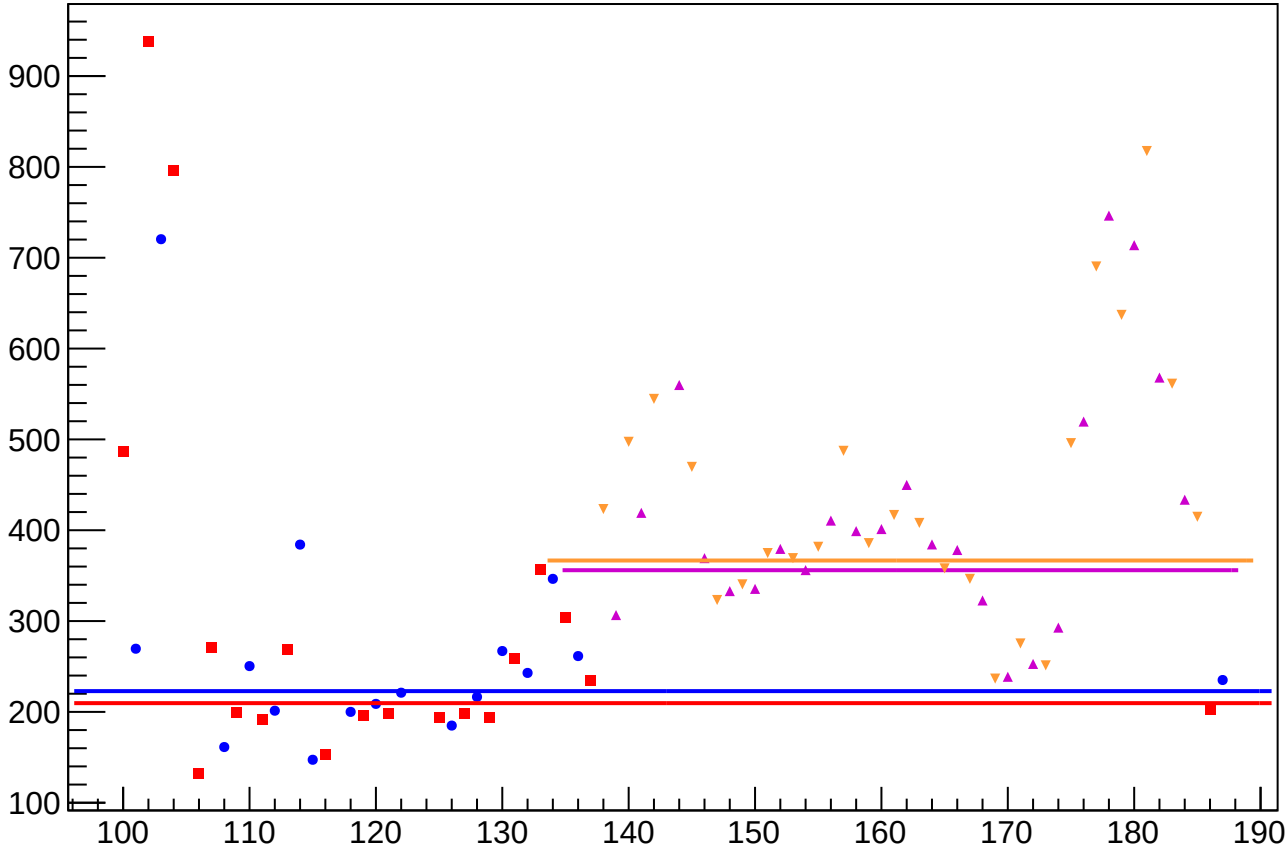
Right: -0.056+/-0.061 χ^2/NDF: 51.5/35

In: -0.077+/-0.062 χ^2/NDF:48.5/39

Out: -0.041+/-0.062 χ^2/NDF:64.3/42

All: -0.059+/-0.044 χ^2/NDF: 112.9/82

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.882+/-0.062 χ^2/NDF: 1019774.1/16

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 209.642+/-0.060 χ^2/NDF: 1549457.8/18

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

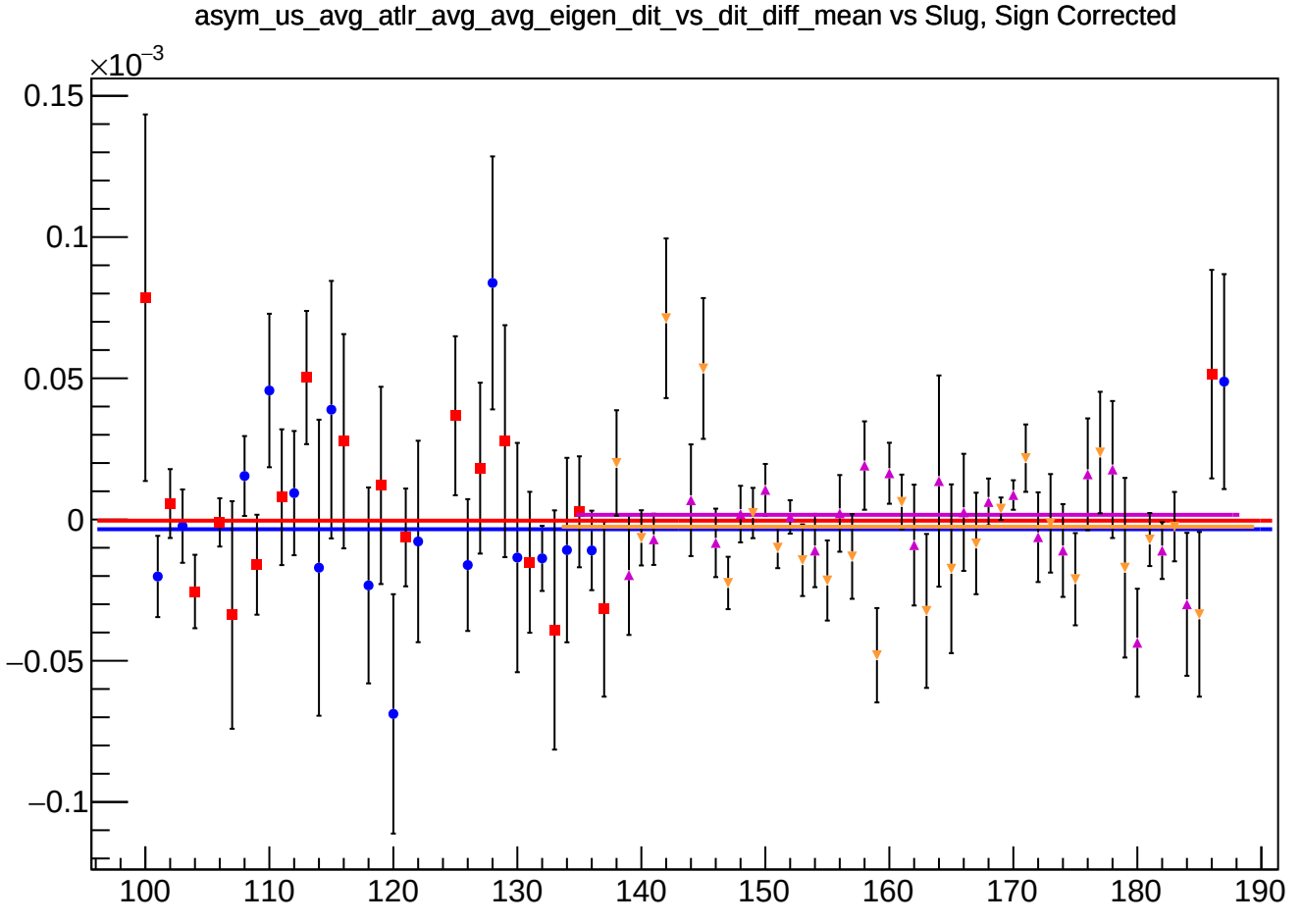
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 216.031+/-0.043 χ^2/NDF: 2592902.9/35

In: 289.267+/-0.044 χ^2/NDF:5746463.8/39

Out: 282.852+/-0.044 χ^2/NDF:7607658.2/42

All: 286.049+/-0.031 χ^2/NDF: 13364871.5/82



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

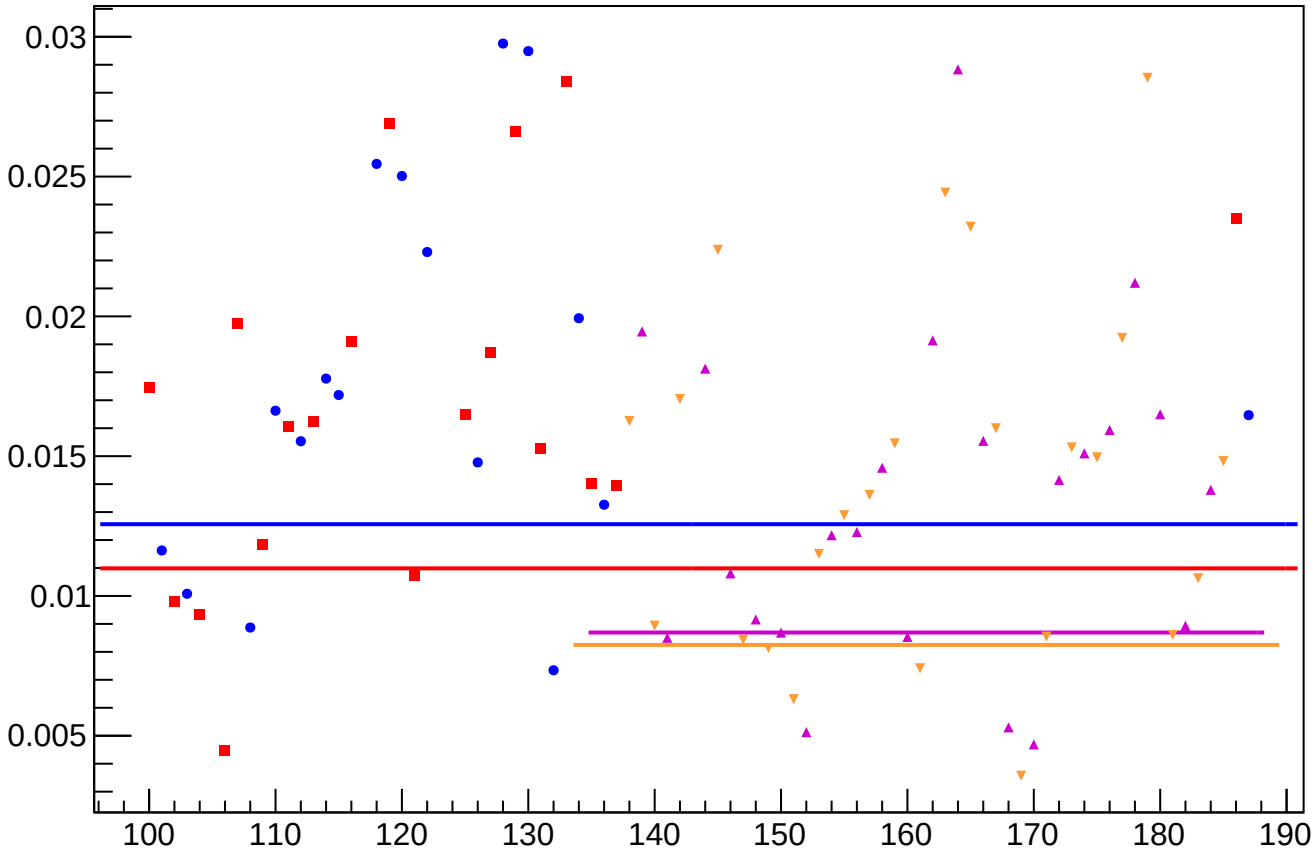
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 37.0/35

In: 0.000+/-0.000 χ^2/NDF:39.1/39

Out: -0.000+/-0.000 χ^2/NDF:62.9/42

All: -0.000+/-0.000 χ^2/NDF: 103.0/82



Right In: 0.013+/-0.000 χ^2/NDF: 2136378.1/16

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.011+/-0.000 χ^2/NDF: 3221466.2/18

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

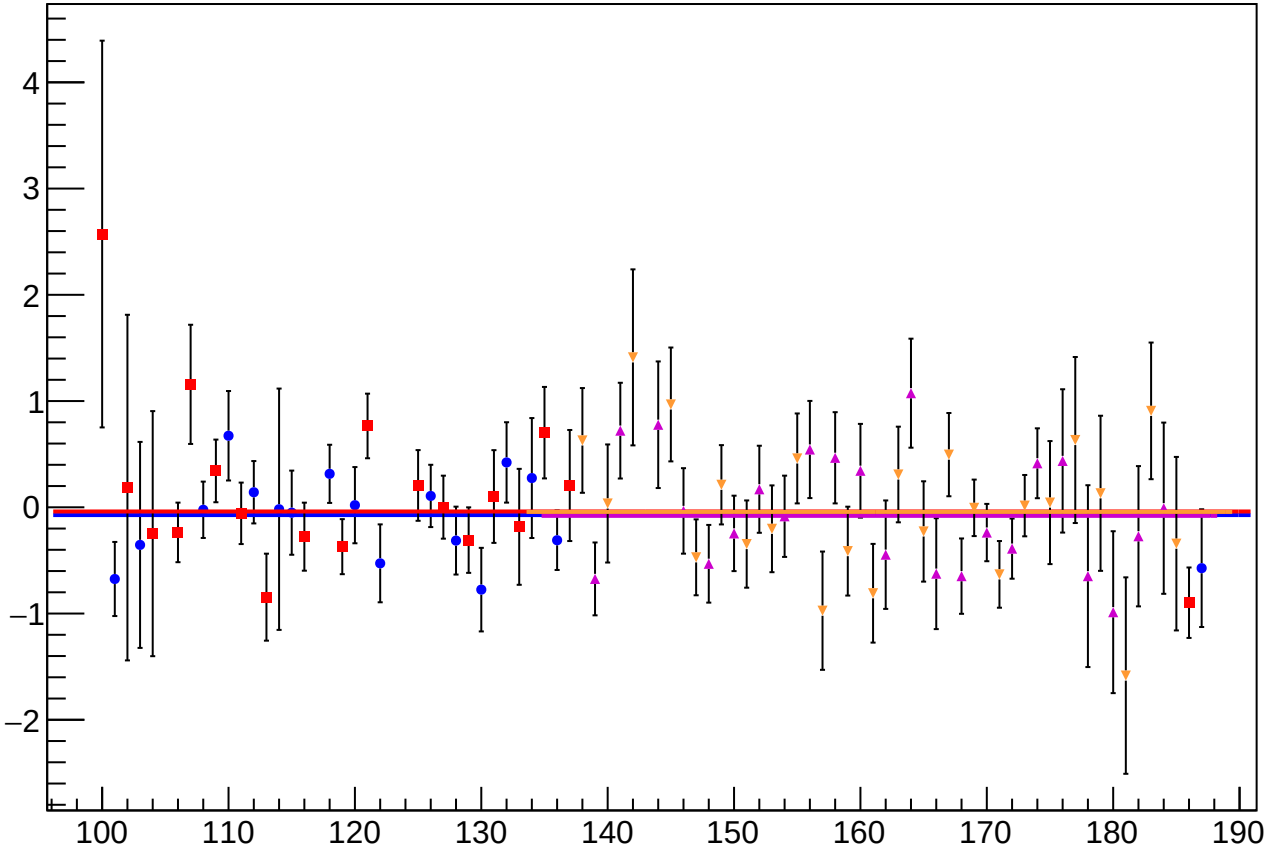
Right: 0.012+/-0.000 χ^2/NDF: 5466004.4/35

In: 0.009+/-0.000 χ^2/NDF:9981490.5/39

Out: 0.009+/-0.000 χ^2/NDF:12680771.5/42

All: 0.009+/-0.000 χ^2/NDF: 22743115.0/82

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.039+/-0.085 χ^2/NDF: 33.3/18

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

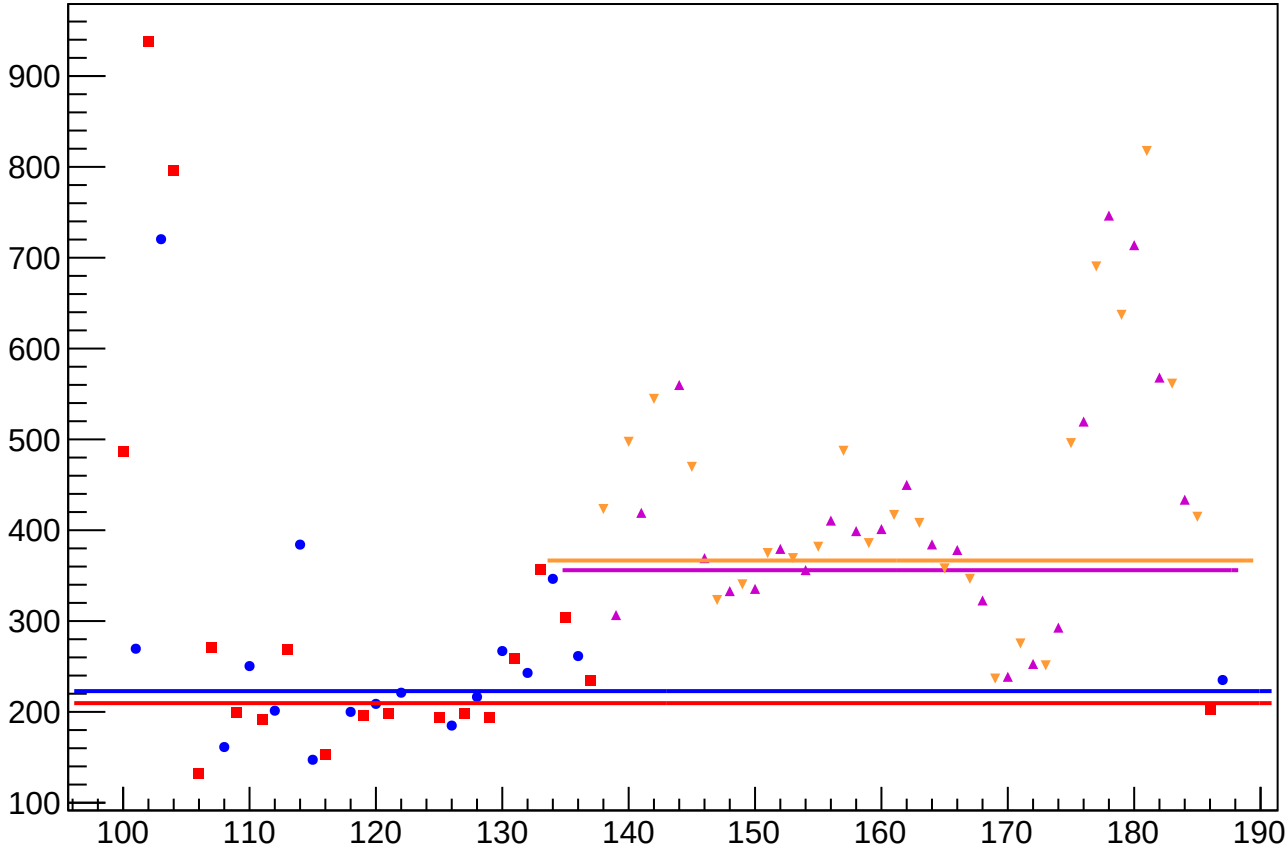
Right: -0.056+/-0.061 χ^2/NDF: 51.5/35

In: -0.077+/-0.062 χ^2/NDF:48.5/39

Out: -0.041+/-0.062 χ^2/NDF:64.3/42

All: -0.059+/-0.044 χ^2/NDF: 112.9/82

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.880+/-0.062 χ^2/NDF: 1019761.4/16

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 209.639+/-0.060 χ^2/NDF: 1549440.8/18

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

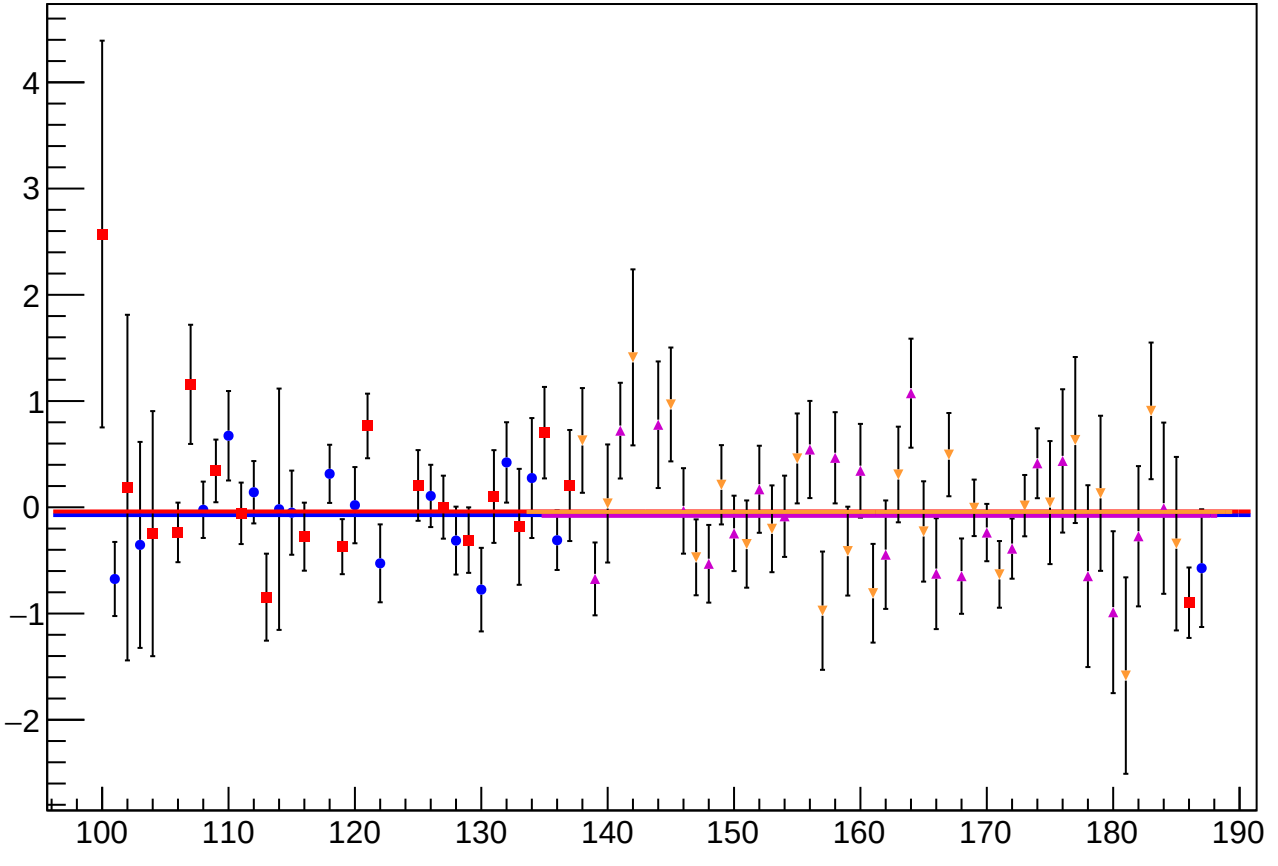
Right: 216.028+/-0.043 χ^2/NDF: 2592879.3/35

In: 289.266+/-0.044 χ^2/NDF:5746717.5/39

Out: 282.849+/-0.044 χ^2/NDF:7608032.3/42

All: 286.047+/-0.031 χ^2/NDF: 13365506.3/82

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.039+/-0.085 χ^2/NDF: 33.3/18

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

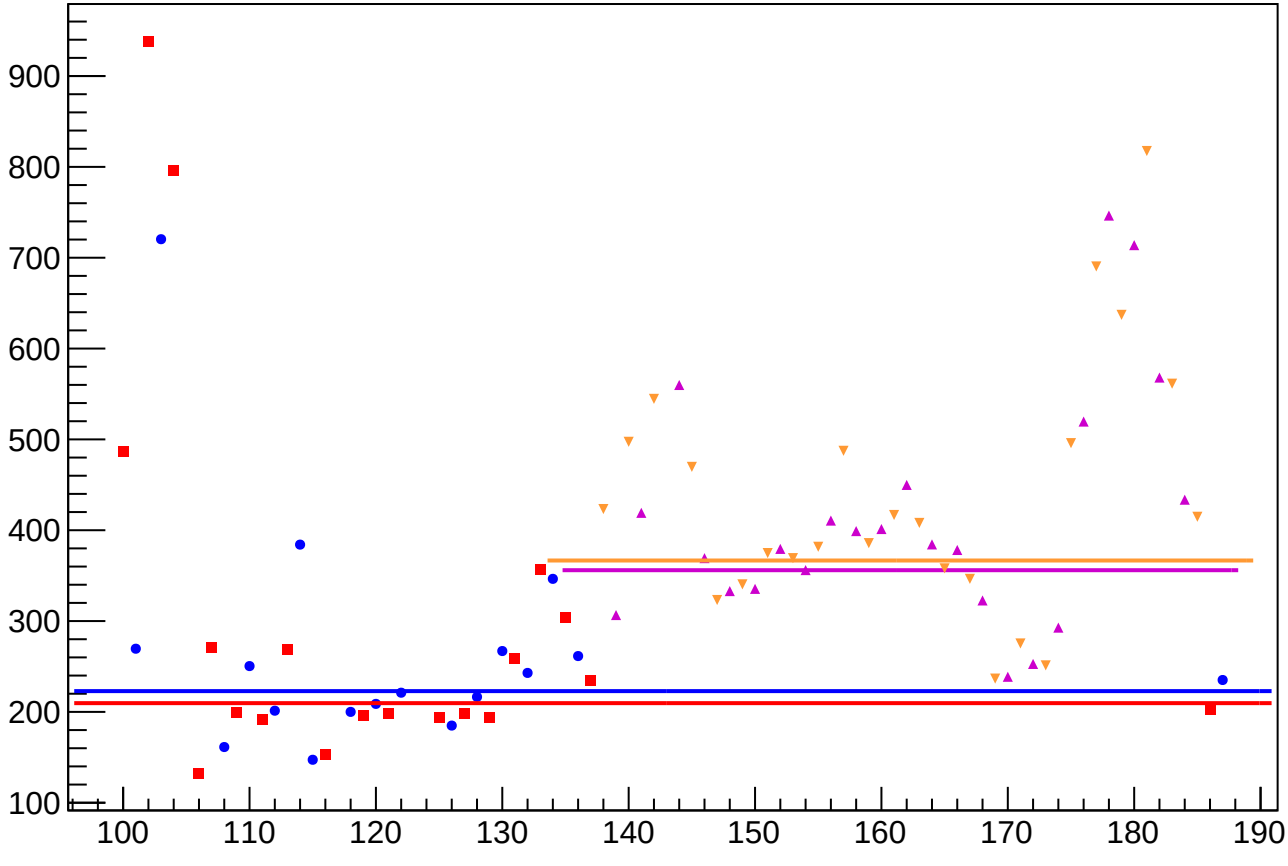
Right: -0.056+/-0.061 χ^2/NDF: 51.5/35

In: -0.077+/-0.062 χ^2/NDF:48.5/39

Out: -0.041+/-0.062 χ^2/NDF:64.3/42

All: -0.059+/-0.044 χ^2/NDF: 112.9/82

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.880+/-0.062 χ^2/NDF: 1019761.4/16

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 209.639+/-0.060 χ^2/NDF: 1549440.8/18

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

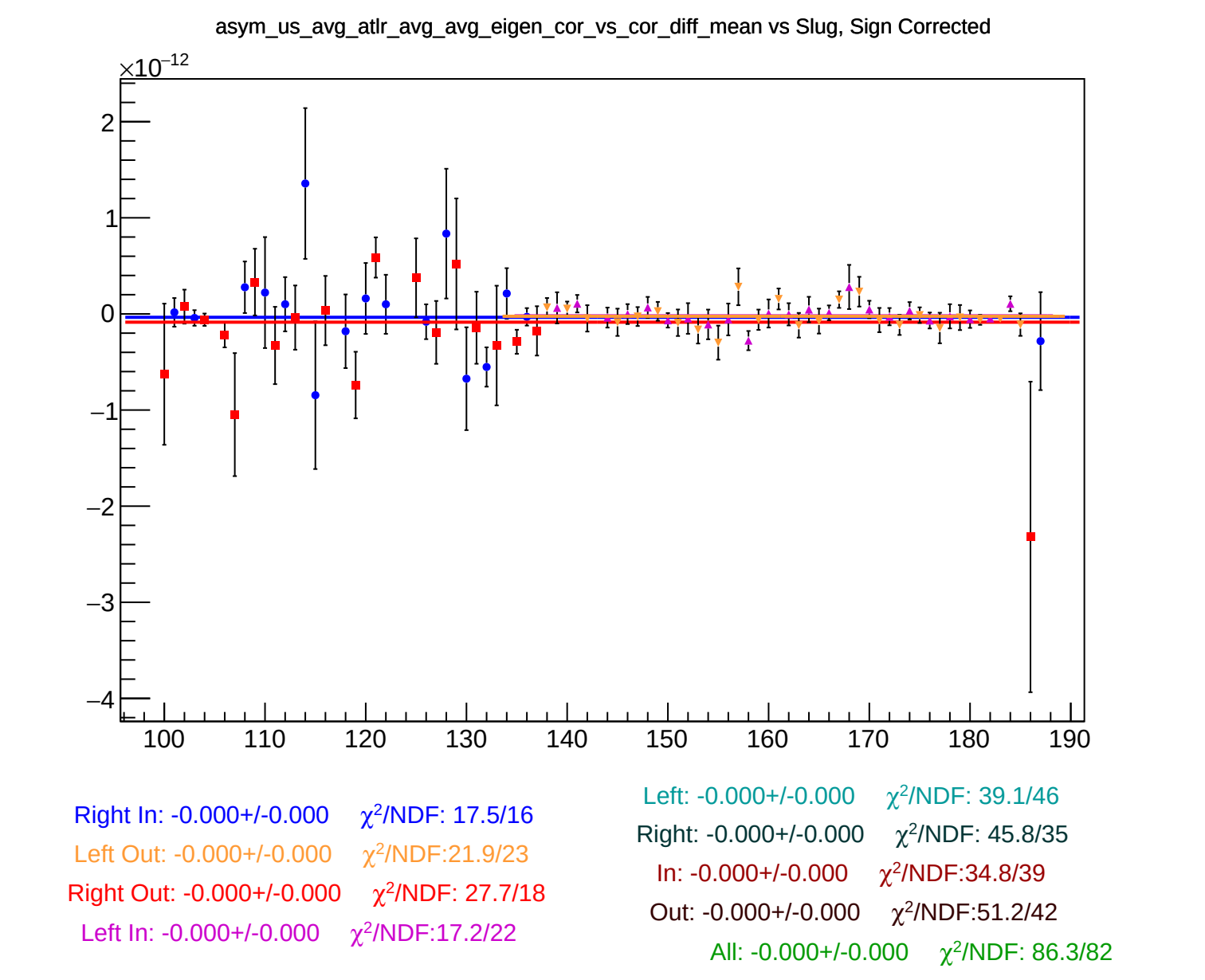
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 216.028+/-0.043 χ^2/NDF: 2592879.3/35

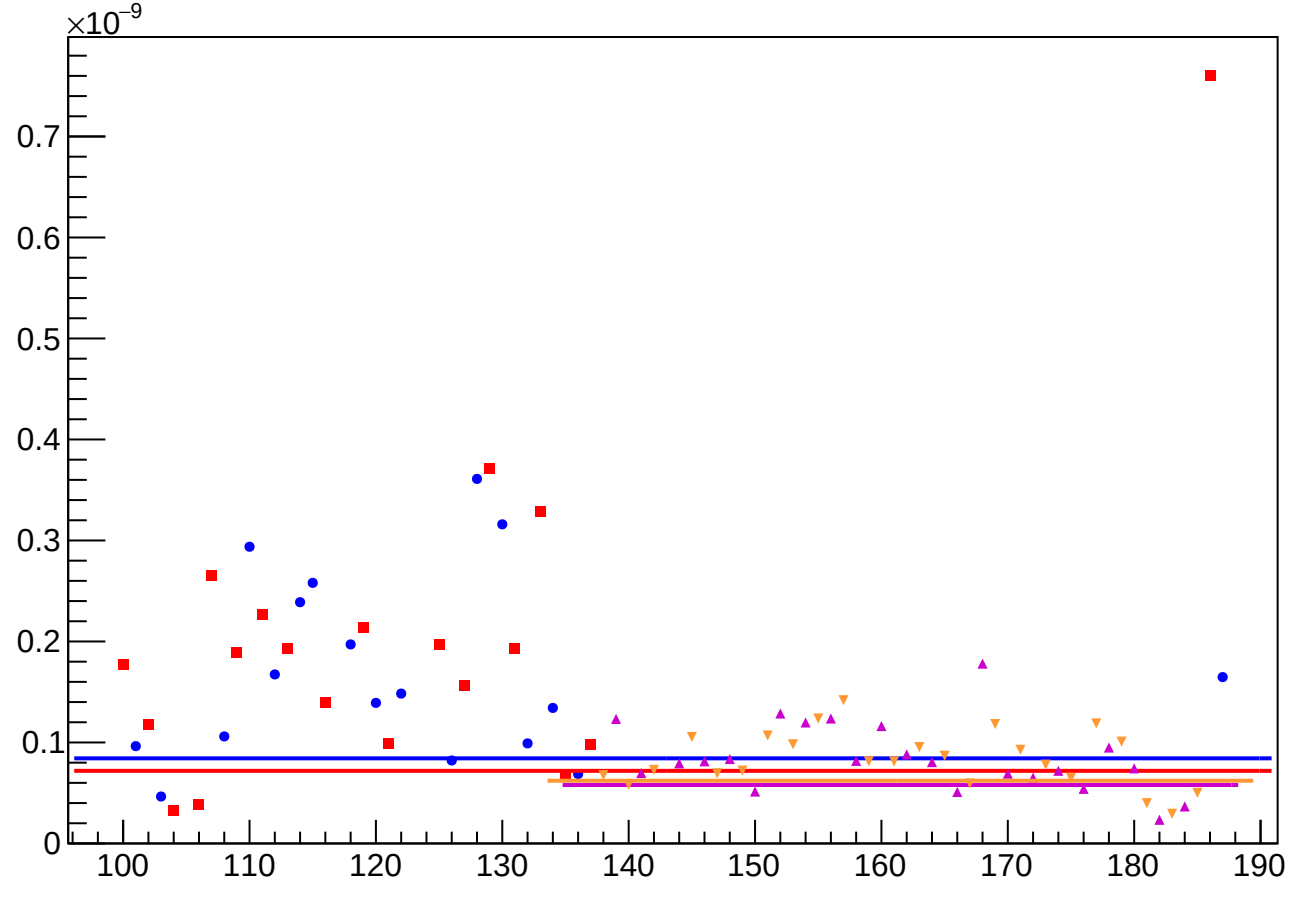
In: 289.266+/-0.044 χ^2/NDF:5746717.5/39

Out: 282.849+/-0.044 χ^2/NDF:7608032.3/42

All: 286.047+/-0.031 χ^2/NDF: 13365506.3/82


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.5/16
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.7/18
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 45.8/35
In: -0.000+/-0.000 χ²/NDF:34.8/39
Out: -0.000+/-0.000 χ²/NDF:51.2/42
All: -0.000+/-0.000 χ²/NDF: 86.3/82

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2285685.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4108830.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

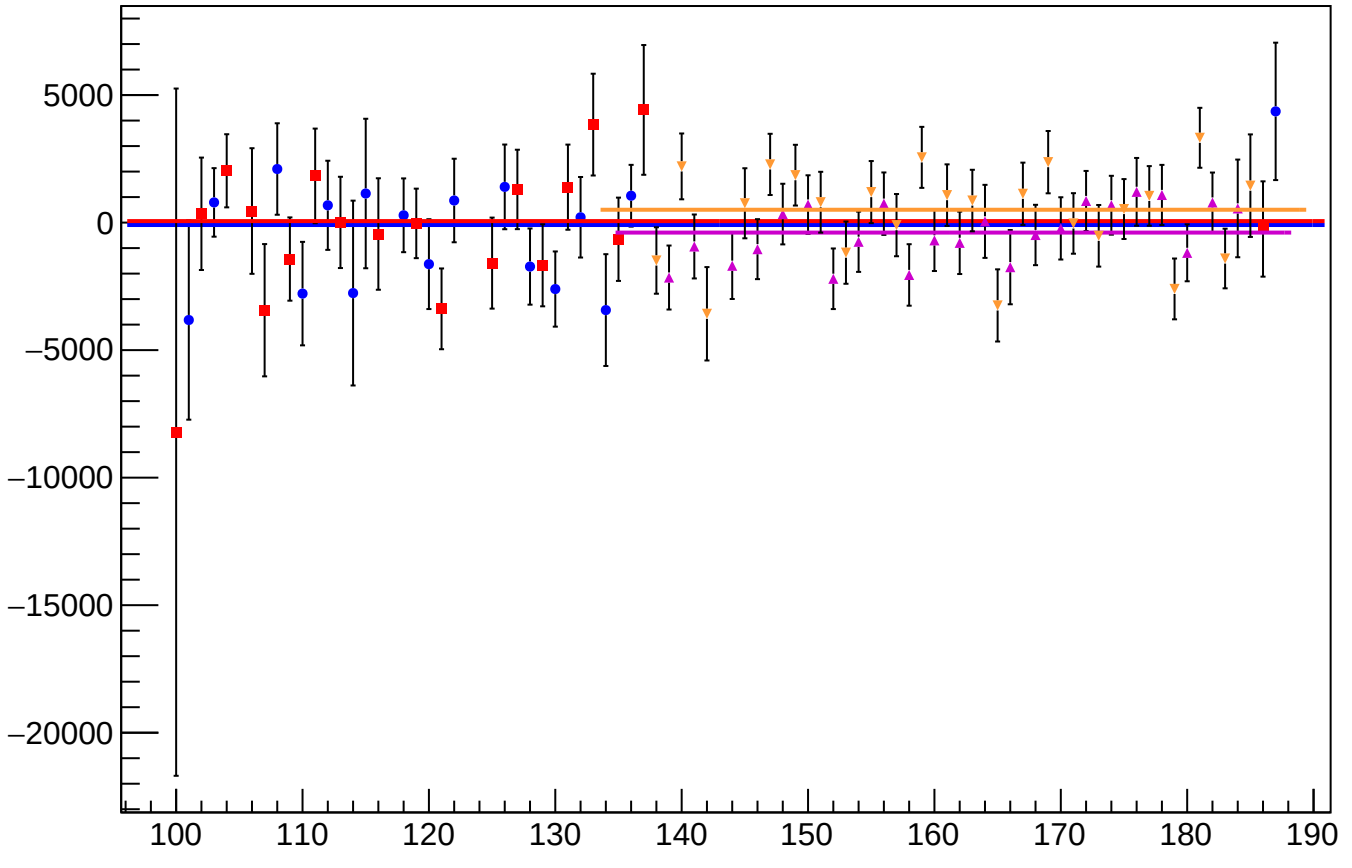
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 6468150.9/35

In: 0.000+/-0.000 χ^2/NDF:8348102.0/39

Out: 0.000+/-0.000 χ^2/NDF:8291024.5/42

All: 0.000+/-0.000 χ^2/NDF: 16656447.0/82



Right In: -95.238+/-423.809 χ^2/NDF: 17.6/16

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 59.132+/-419.749 χ^2/NDF: 20.7/18

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

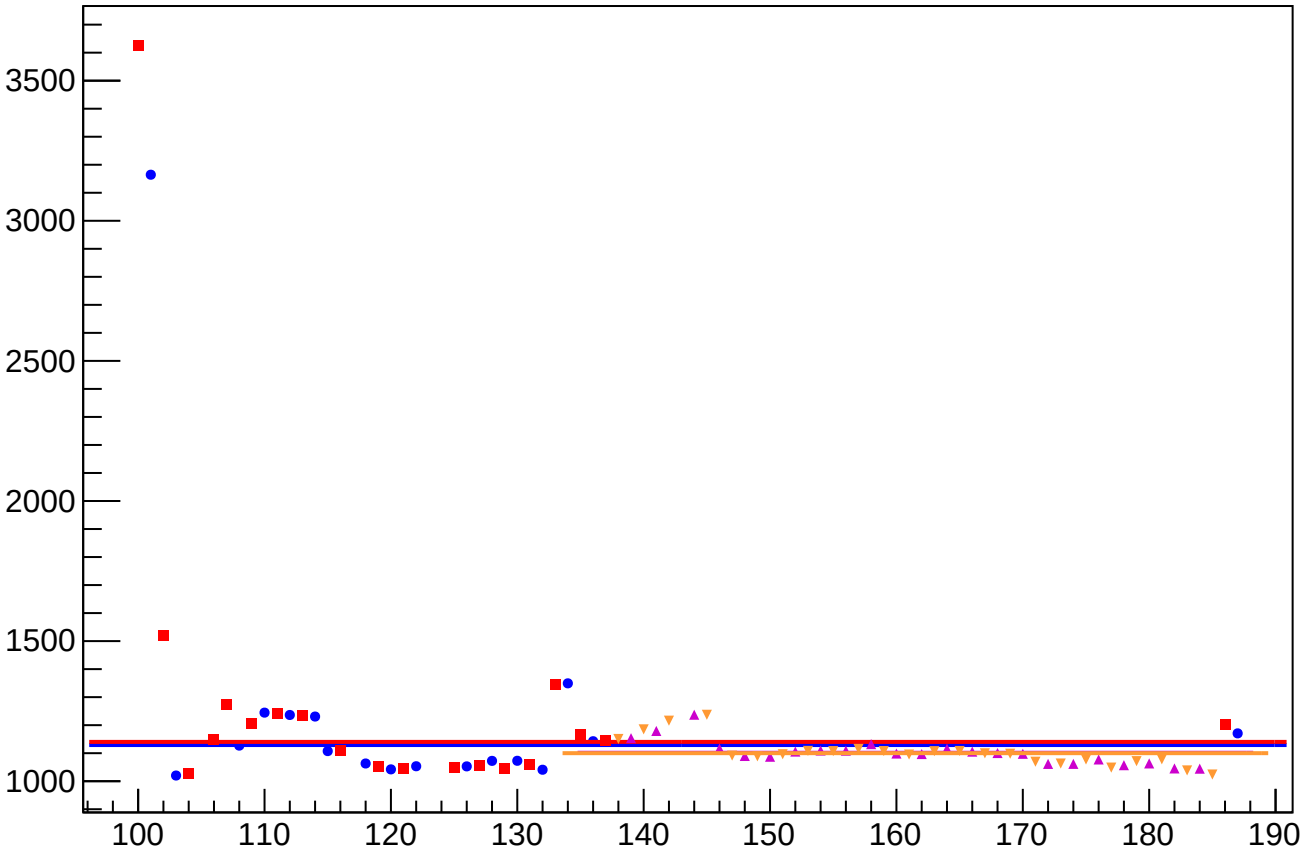
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -17.310+/-298.233 χ^2/NDF: 38.3/35

In: -311.819+/-219.994 χ^2/NDF:35.8/39

Out: 383.423+/-218.267 χ^2/NDF:66.1/42

All: 38.542+/-154.945 χ^2/NDF: 106.8/82



Right In: 1129.065+/-0.300 χ^2/NDF: 621884.8/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1140.307+/-0.296 χ^2/NDF: 222379.8/18

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

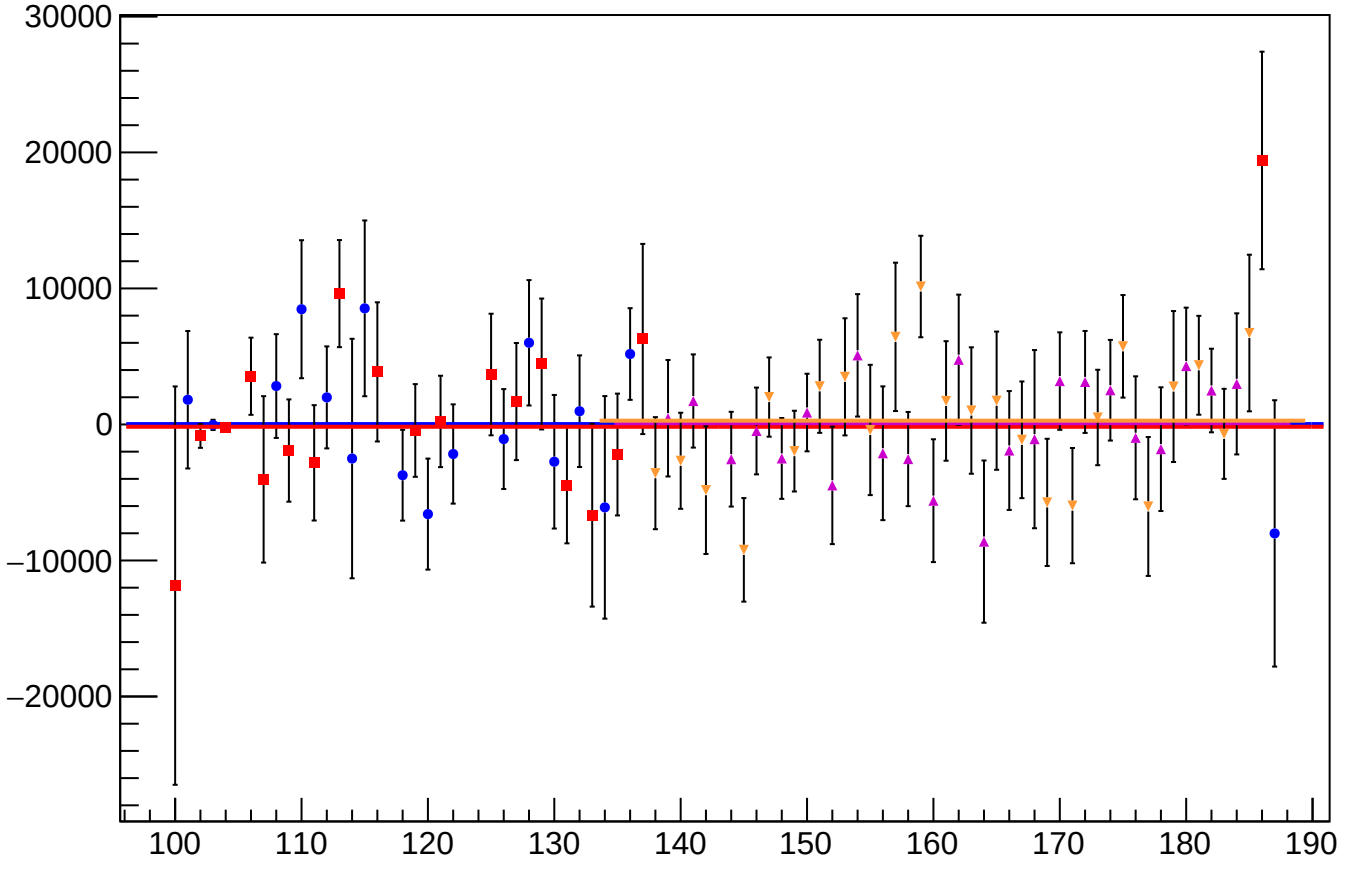
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1134.749+/-0.211 χ^2/NDF: 844976.2/35

In: 1108.949+/-0.156 χ^2/NDF:680198.2/39

Out: 1110.972+/-0.154 χ^2/NDF:294560.6/42

All: 1109.969+/-0.110 χ^2/NDF: 974844.1/82



Right In: 27.576+/-357.413 χ^2/NDF: 15.5/16

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -169.792+/-322.283 χ^2/NDF: 21.6/18

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

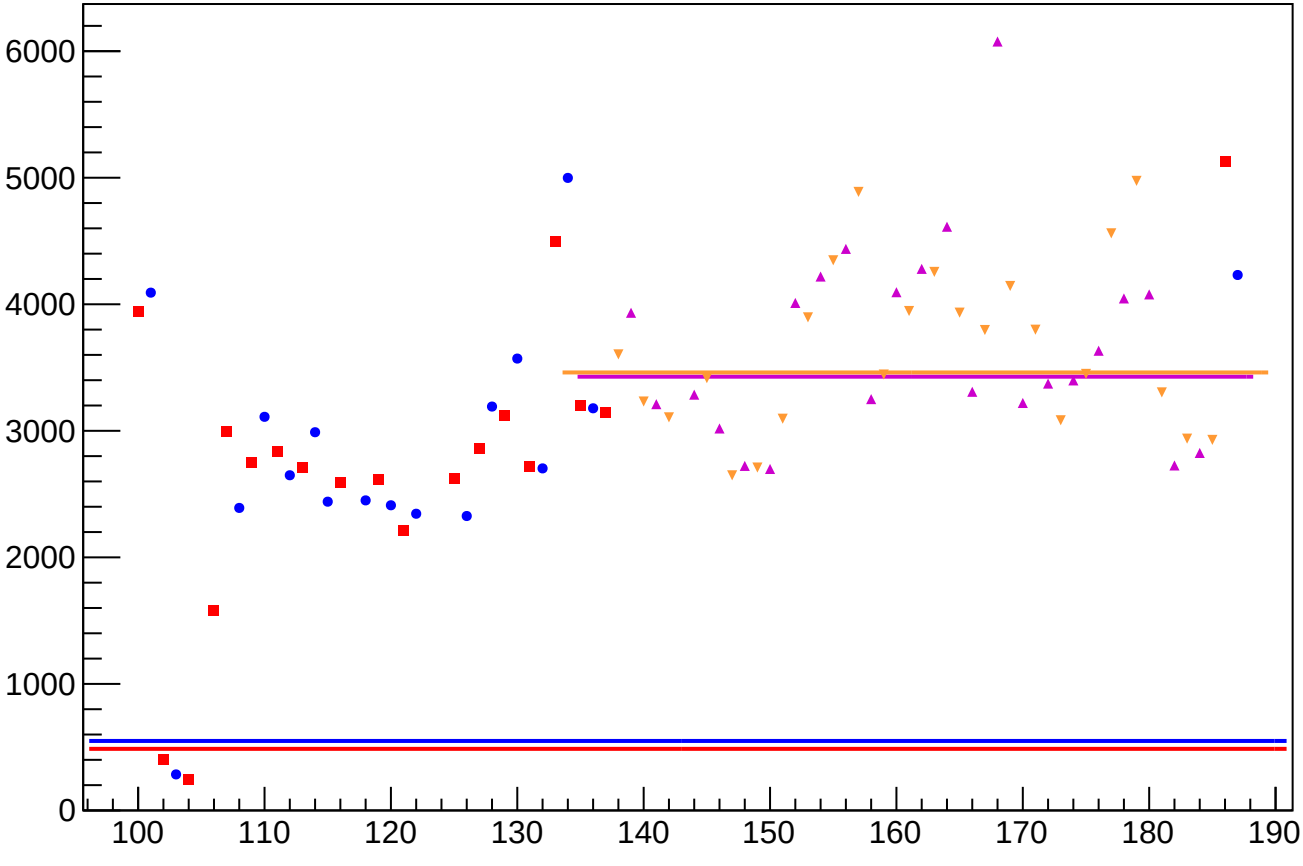
Right: -81.282+/-239.347 χ^2/NDF: 37.3/35

In: 38.359+/-327.464 χ^2/NDF:29.2/39

Out: -110.006+/-299.972 χ^2/NDF:51.8/42

All: -42.312+/-221.194 χ^2/NDF: 81.1/82

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 549.249+/-0.253 χ^2/NDF: 9966222.8/16

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 486.799+/-0.228 χ^2/NDF: 9862100.8/18

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

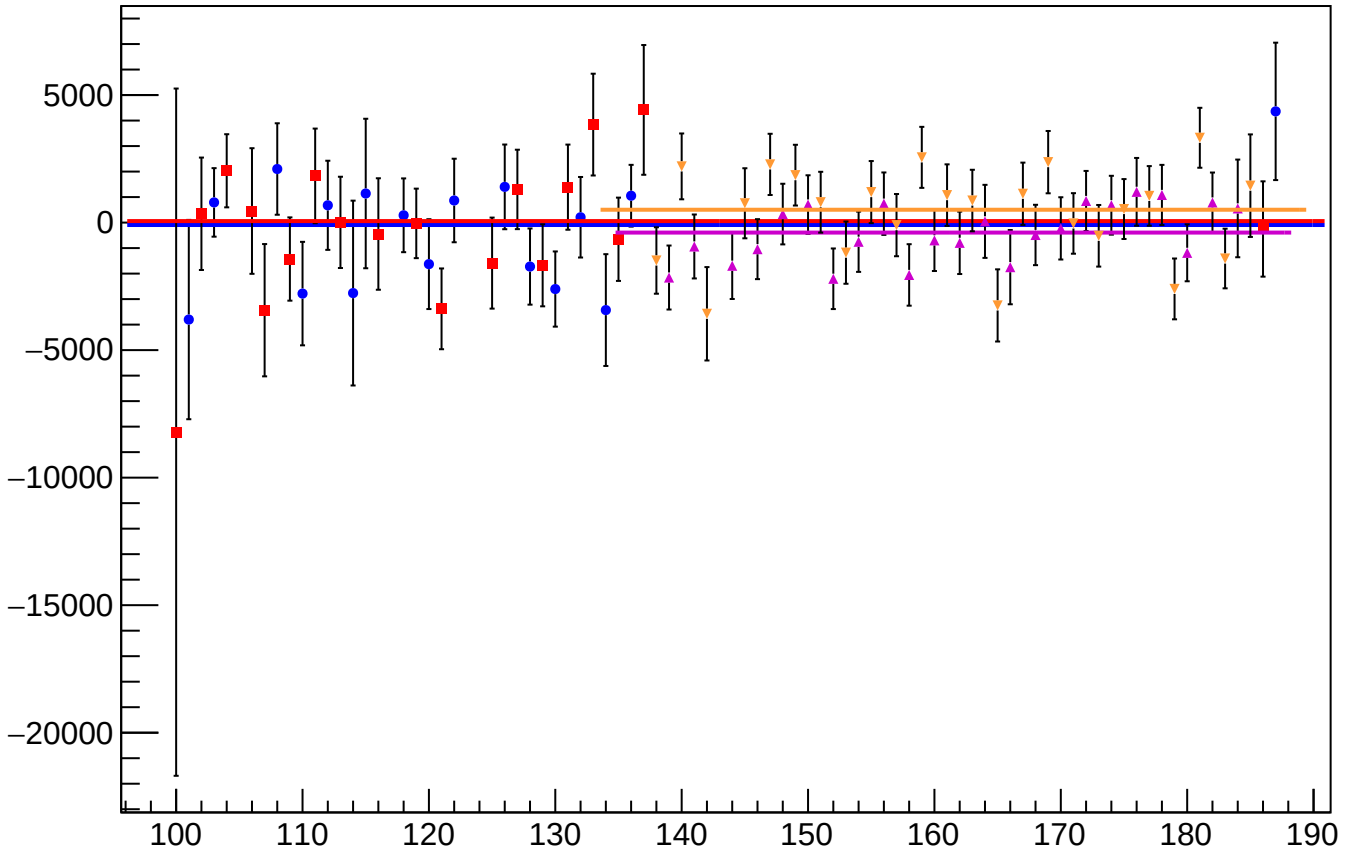
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 514.805+/-0.169 χ^2/NDF: 19862000.8/35

In: 1011.449+/-0.232 χ^2/NDF:32039998.8/39

Out: 884.368+/-0.212 χ^2/NDF:33691454.8/42

All: 942.351+/-0.156 χ^2/NDF: 65895230.3/82



Right In: -95.021+/-423.810 χ^2/NDF: 17.6/16

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 59.268+/-419.749 χ^2/NDF: 20.7/18

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

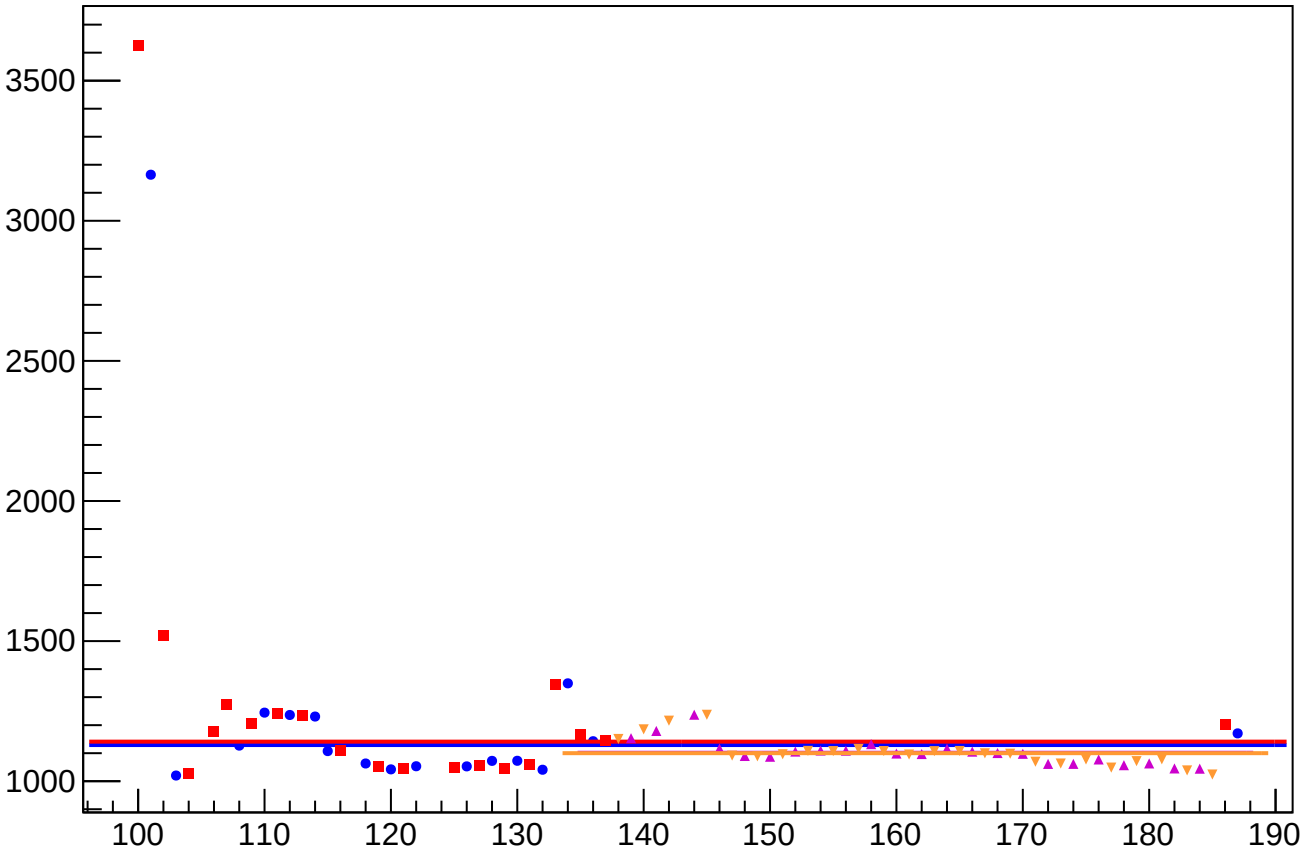
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -17.134+/-298.233 χ^2/NDF: 38.3/35

In: -311.751+/-219.994 χ^2/NDF:35.7/39

Out: 383.514+/-218.267 χ^2/NDF:66.1/42

All: 38.621+/-154.945 χ^2/NDF: 106.8/82



Right In: 1129.064+/-0.300 χ^2/NDF: 621885.9/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1141.225+/-0.297 χ^2/NDF: 222850.6/18

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

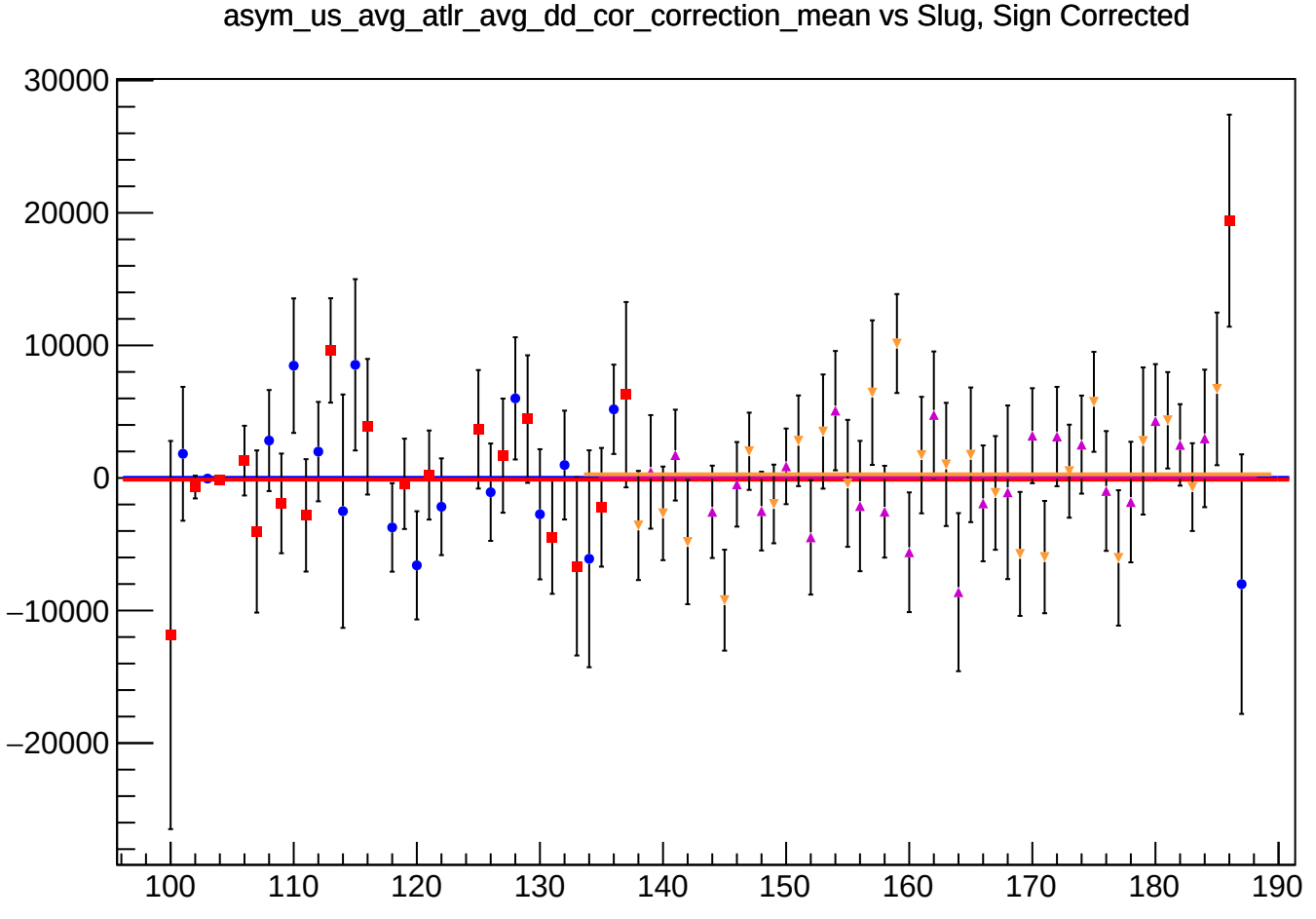
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1135.206+/-0.211 χ^2/NDF: 845568.2/35

In: 1108.949+/-0.156 χ^2/NDF:680199.2/39

Out: 1111.202+/-0.154 χ^2/NDF:295627.2/42

All: 1110.084+/-0.110 χ^2/NDF: 975932.1/82



Right In: 11.713+/-344.312 χ^2/NDF: 15.5/16

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -125.466+/-317.118 χ^2/NDF: 20.0/18

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

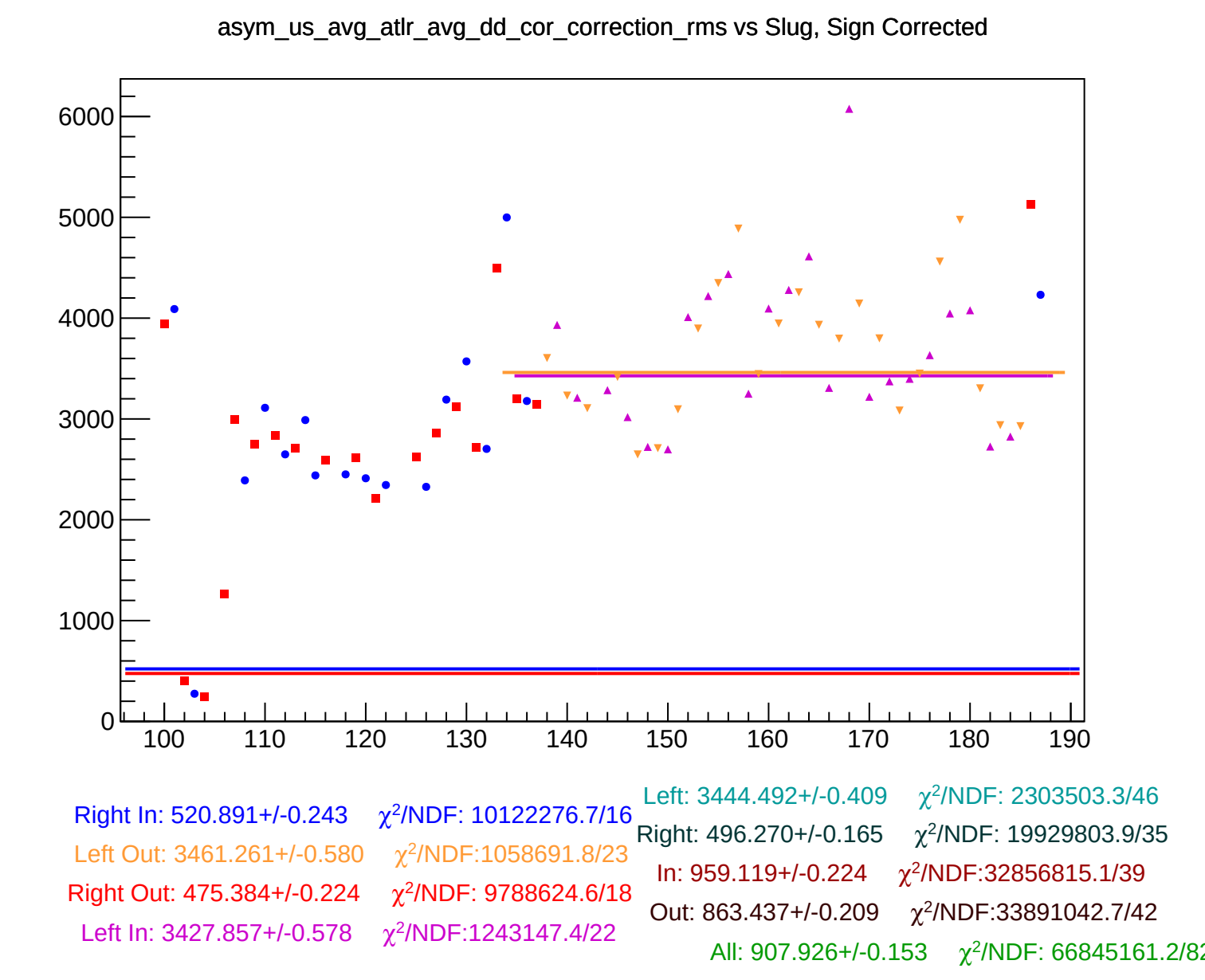
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -62.507+/-233.258 χ^2/NDF: 35.6/35

In: 24.230+/-317.300 χ^2/NDF:29.2/39

Out: -73.090+/-295.794 χ^2/NDF:50.1/42

All: -27.840+/-216.362 χ^2/NDF: 79.3/82


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
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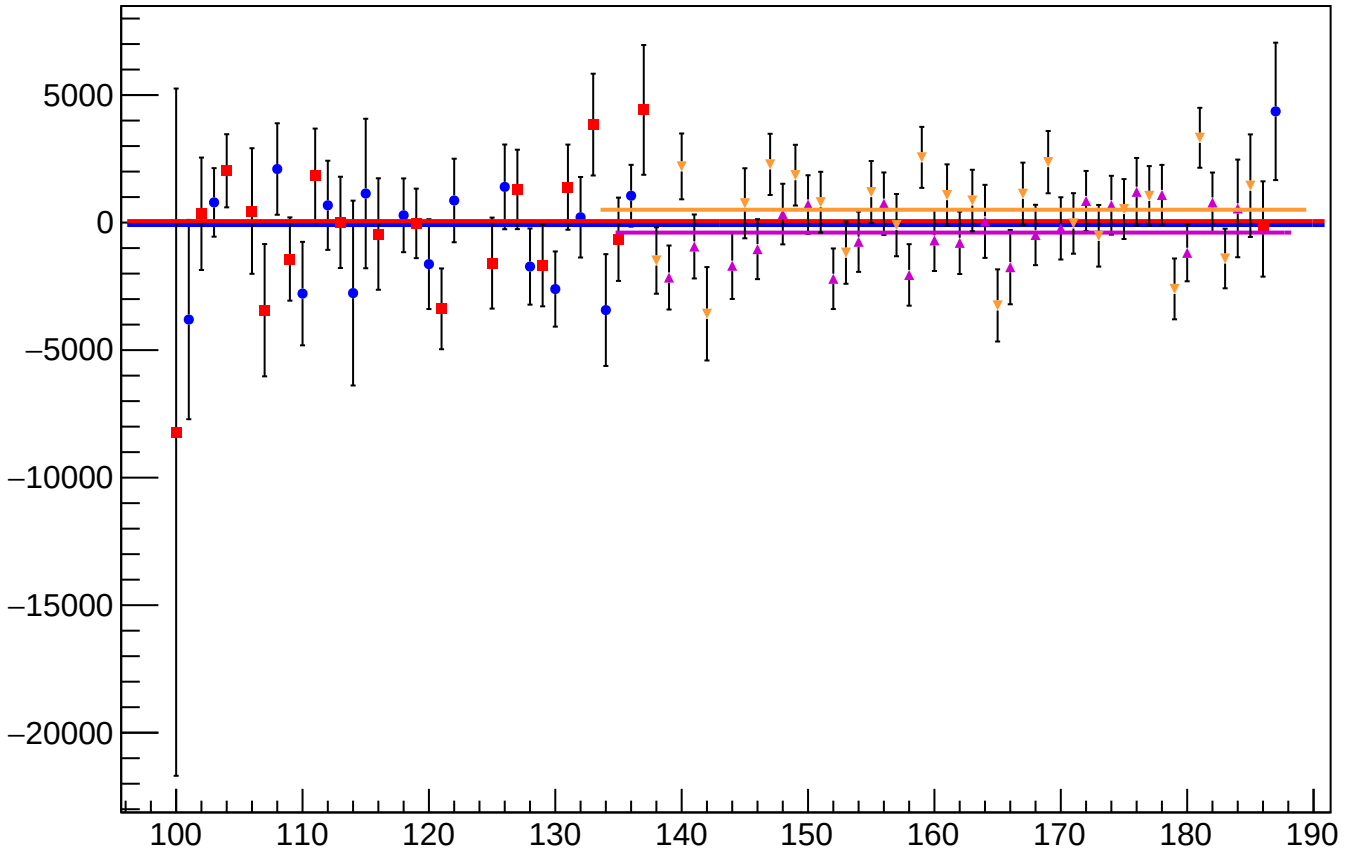
100
110
120
130
140
150
160
170
180
190
Right In: 520.891+/-0.243 χ²/NDF: 10122276.7/16
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 475.384+/-0.224 χ²/NDF: 9788624.6/18
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 496.270+/-0.165 χ²/NDF: 19929803.9/35
In: 959.119+/-0.224 χ²/NDF:32856815.1/39
Out: 863.437+/-0.209 χ²/NDF:33891042.7/42
All: 907.926+/-0.153 χ²/NDF: 66845161.2/82



Right In: -95.021+/-423.810 χ^2/NDF: 17.6/16

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 59.268+/-419.749 χ^2/NDF: 20.7/18

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

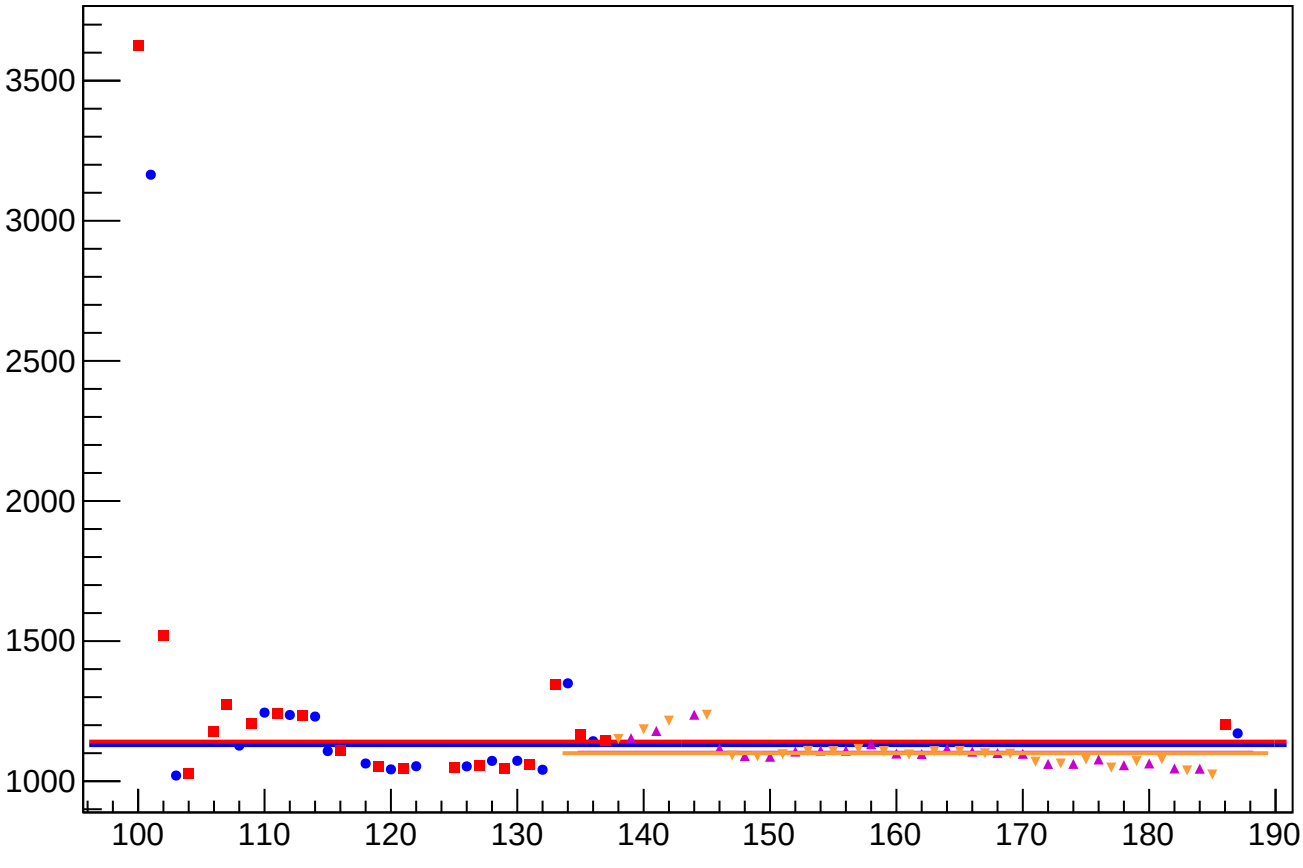
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -17.134+/-298.233 χ^2/NDF: 38.3/35

In: -311.751+/-219.994 χ^2/NDF:35.7/39

Out: 383.514+/-218.267 χ^2/NDF:66.1/42

All: 38.621+/-154.945 χ^2/NDF: 106.8/82



Right In: 1129.064+/-0.300 χ^2/NDF: 621885.9/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1141.225+/-0.297 χ^2/NDF: 222850.6/18

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

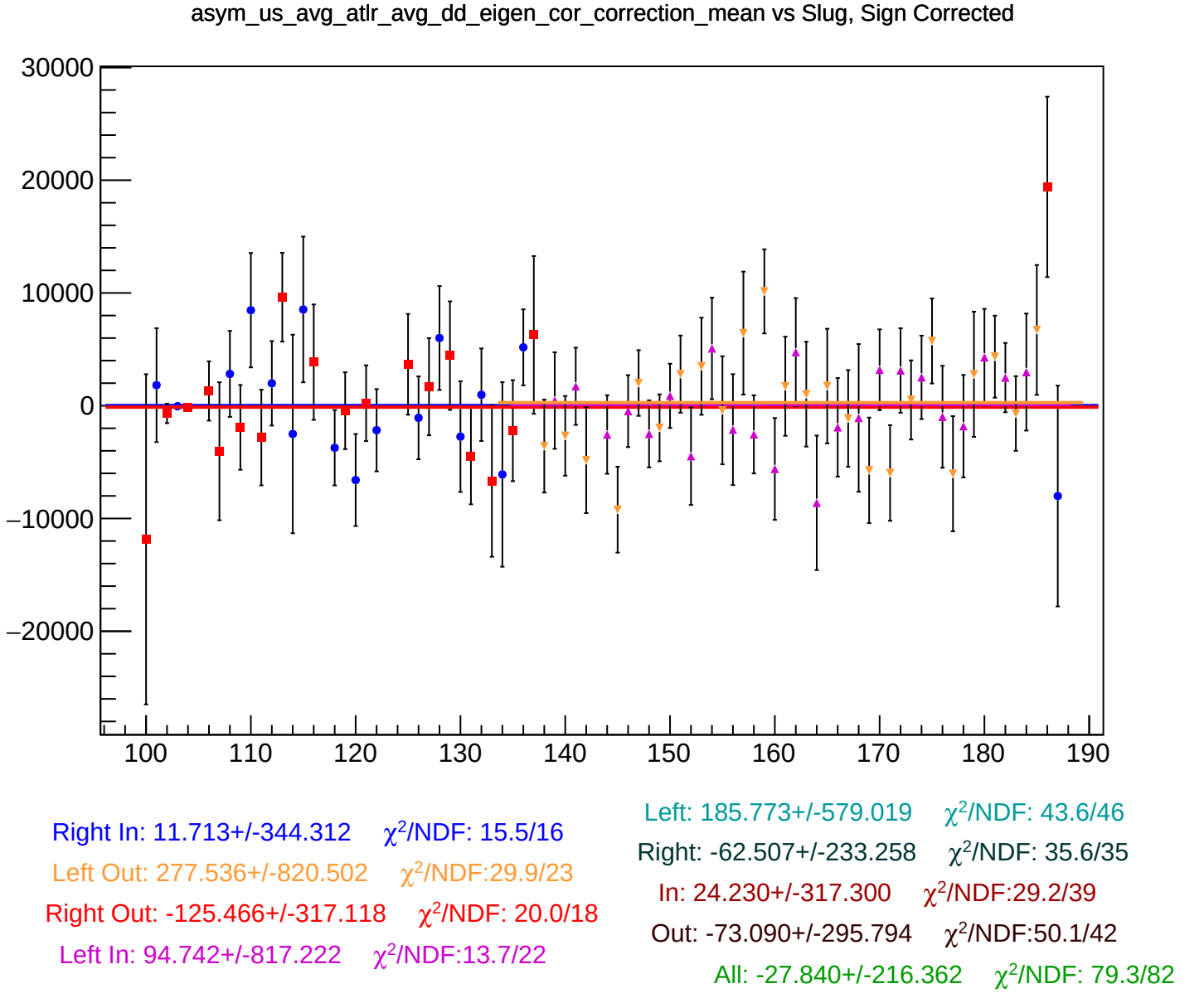
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1135.206+/-0.211 χ^2/NDF: 845568.2/35

In: 1108.949+/-0.156 χ^2/NDF:680199.2/39

Out: 1111.202+/-0.154 χ^2/NDF:295627.2/42

All: 1110.084+/-0.110 χ^2/NDF: 975932.1/82


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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20000
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0
−10000
−20000
100
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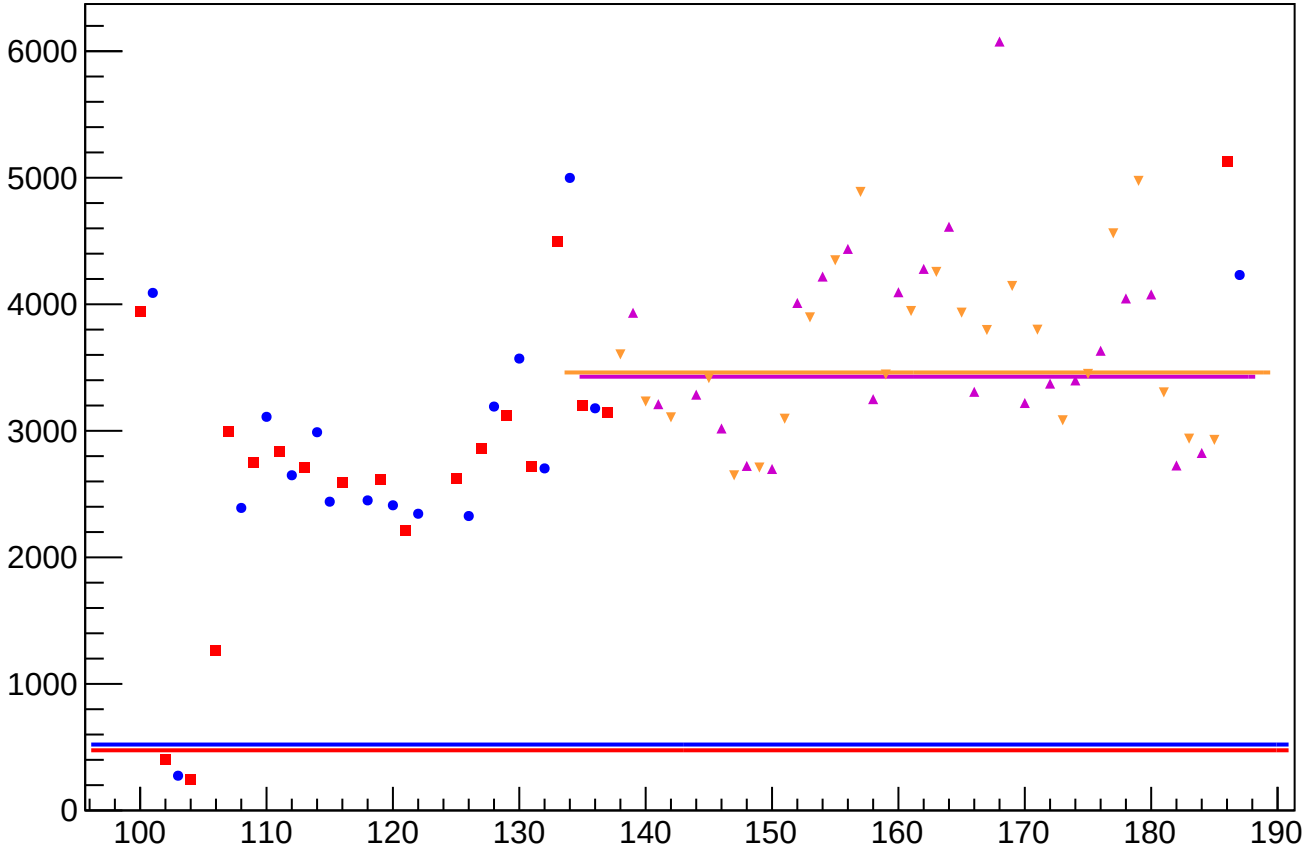
180
190
Right In: 11.713+/-344.312 χ²/NDF: 15.5/16
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -125.466+/-317.118 χ²/NDF: 20.0/18
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -62.507+/-233.258 χ²/NDF: 35.6/35
In: 24.230+/-317.300 χ²/NDF:29.2/39
Out: -73.090+/-295.794 χ²/NDF:50.1/42
All: -27.840+/-216.362 χ²/NDF: 79.3/82



Right In: 520.891+/-0.243 χ^2/NDF: 10122276.7/16

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 475.384+/-0.224 χ^2/NDF: 9788624.6/18

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

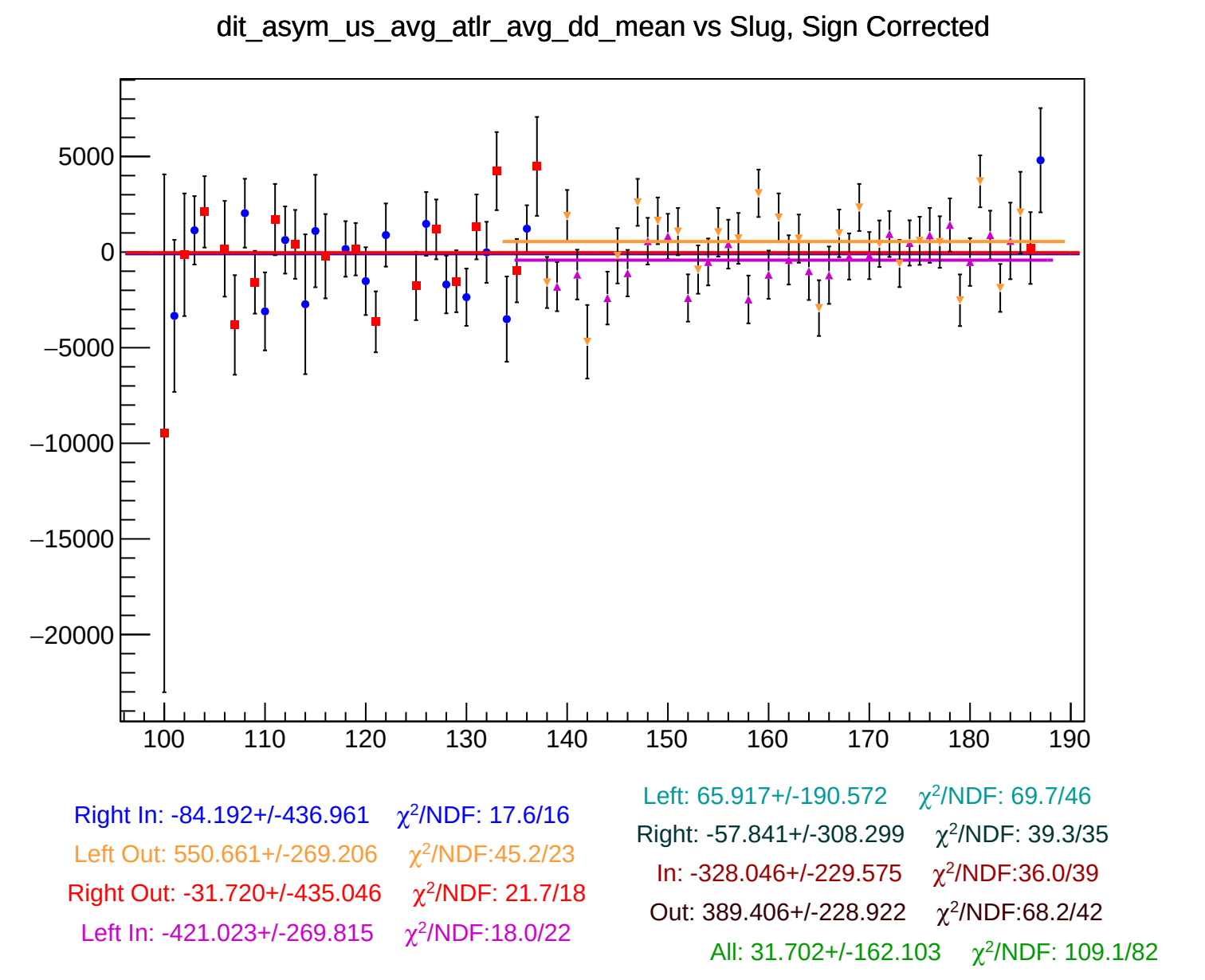
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 496.270+/-0.165 χ^2/NDF: 19929803.9/35

In: 959.119+/-0.224 χ^2/NDF:32856815.1/39

Out: 863.437+/-0.209 χ^2/NDF:33891042.7/42

All: 907.926+/-0.153 χ^2/NDF: 66845161.2/82


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
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100
110
120
130
140
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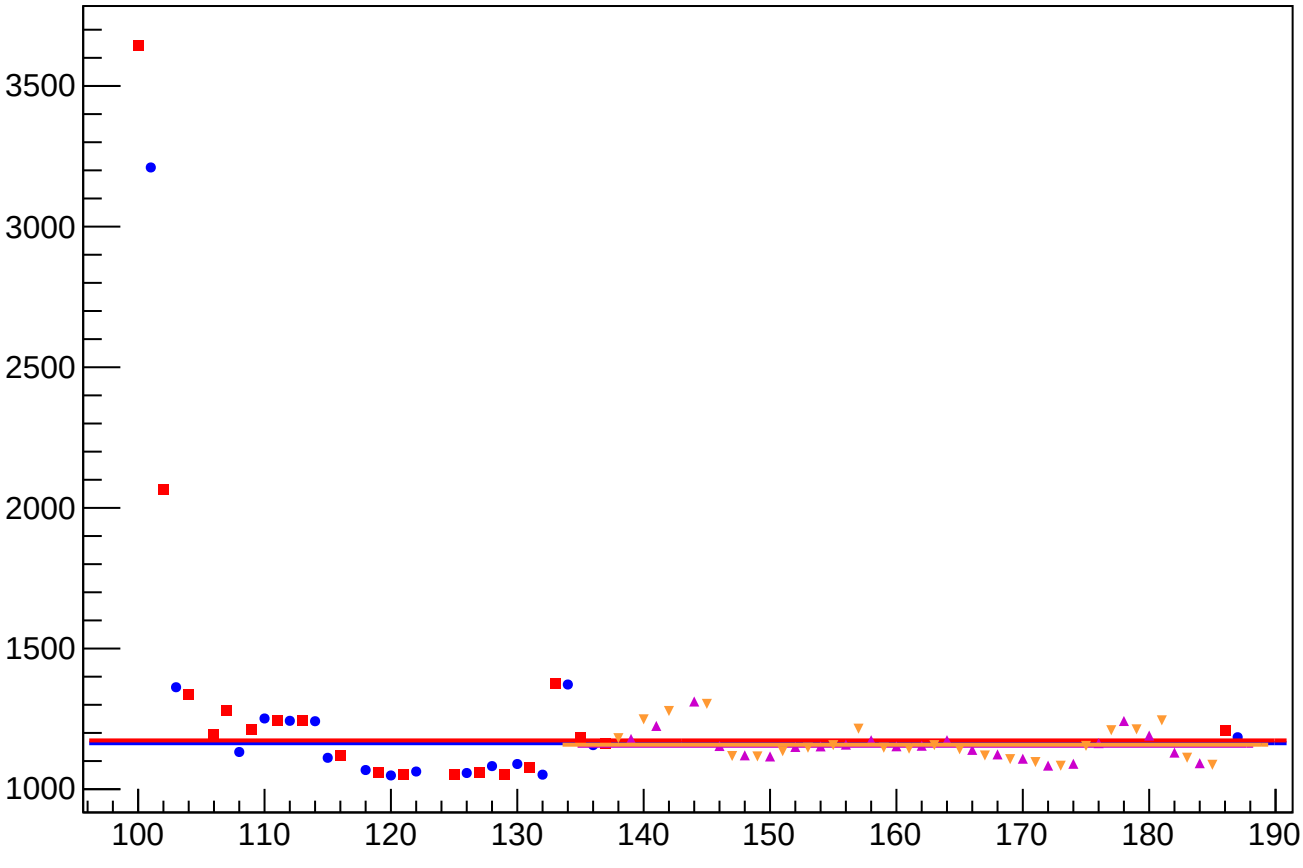
160
170
180
190
Right In: -84.192+/-436.961 χ²/NDF: 17.6/16
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: -31.720+/-435.046 χ²/NDF: 21.7/18
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: -57.841+/-308.299 χ²/NDF: 39.3/35
In: -328.046+/-229.575 χ²/NDF:36.0/39
Out: 389.406+/-228.922 χ²/NDF:68.2/42
All: 31.702+/-162.103 χ²/NDF: 109.1/82



Right In: 1163.413+/-0.309 χ^2/NDF: 635478.5/16

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1173.364+/-0.307 χ^2/NDF: 332345.7/18

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

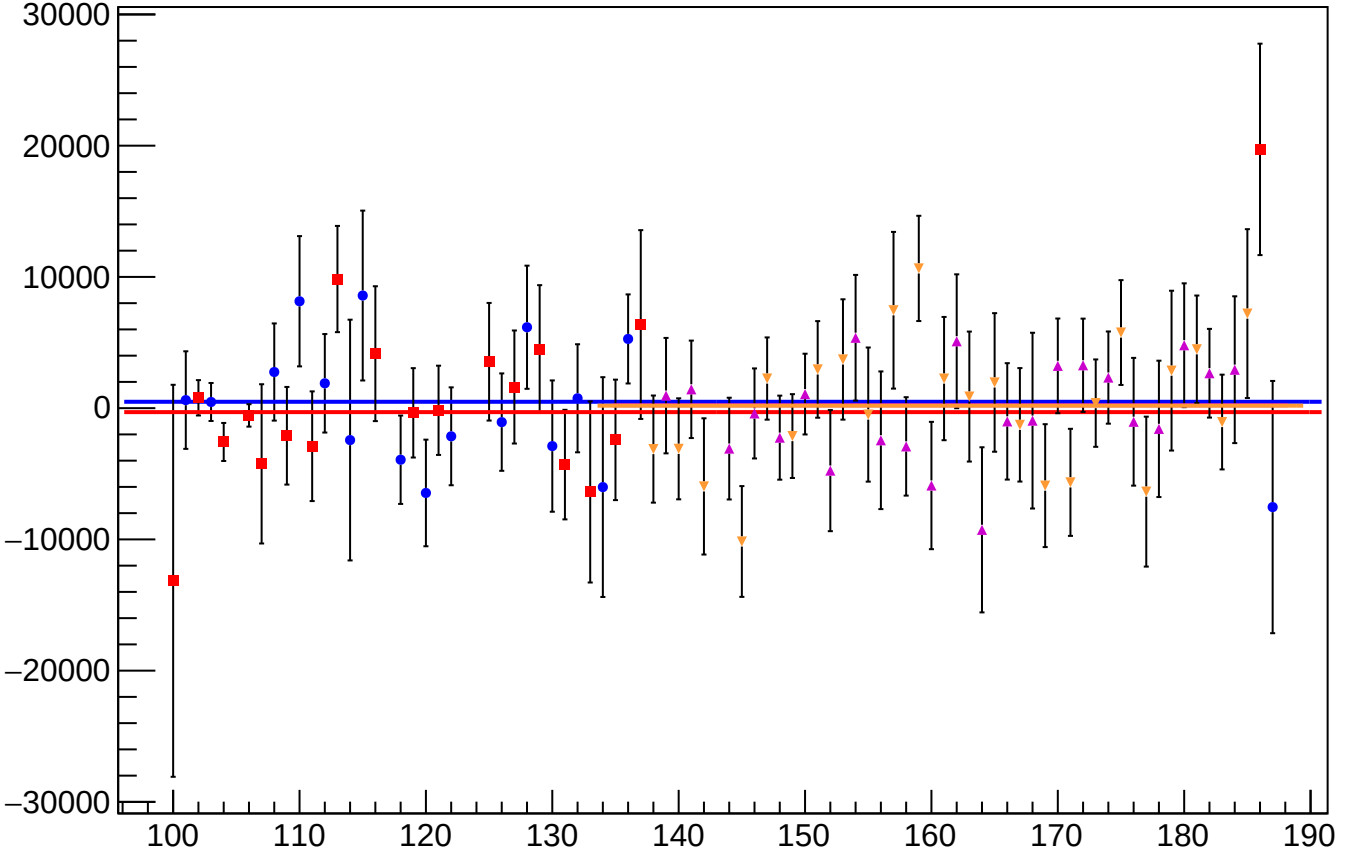
Right: 1168.413+/-0.218 χ^2/NDF: 968345.5/35

In: 1156.765+/-0.162 χ^2/NDF:702594.8/39

Out: 1162.385+/-0.162 χ^2/NDF:418221.2/42

All: 1159.583+/-0.115 χ^2/NDF: 1121417.0/82

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 486.146+/-870.534 χ^2/NDF: 15.1/16

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -301.625+/-564.479 χ^2/NDF: 22.9/18

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

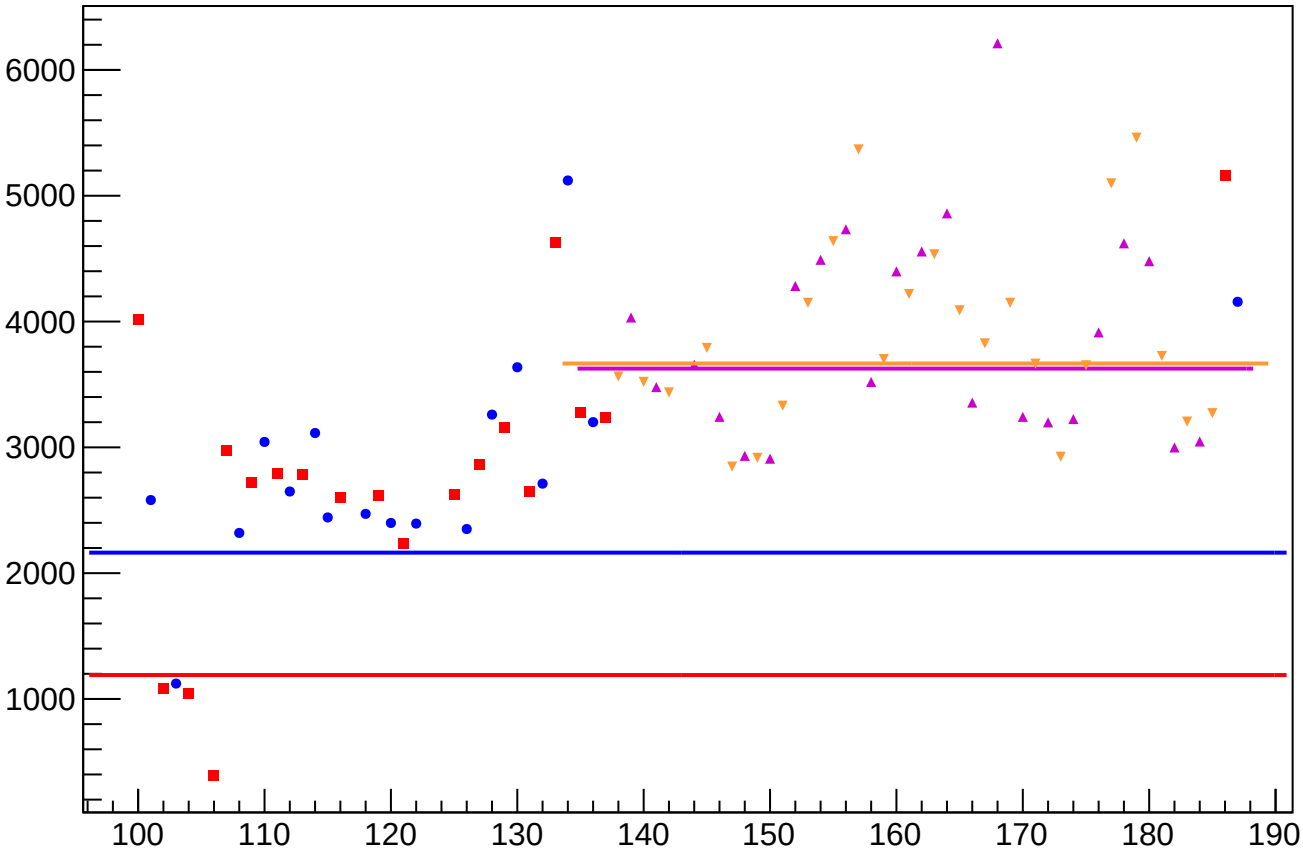
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: -68.443+/-473.624 χ^2/NDF: 38.5/35

In: 352.875+/-613.514 χ^2/NDF:28.5/39

Out: -155.922+/-473.446 χ^2/NDF:52.4/42

All: 33.983+/-374.818 χ^2/NDF: 81.3/82



Right In: 2163.111+/-0.616 χ^2/NDF: 2061521.9/16

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1190.166+/-0.399 χ^2/NDF: 6305631.4/18

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

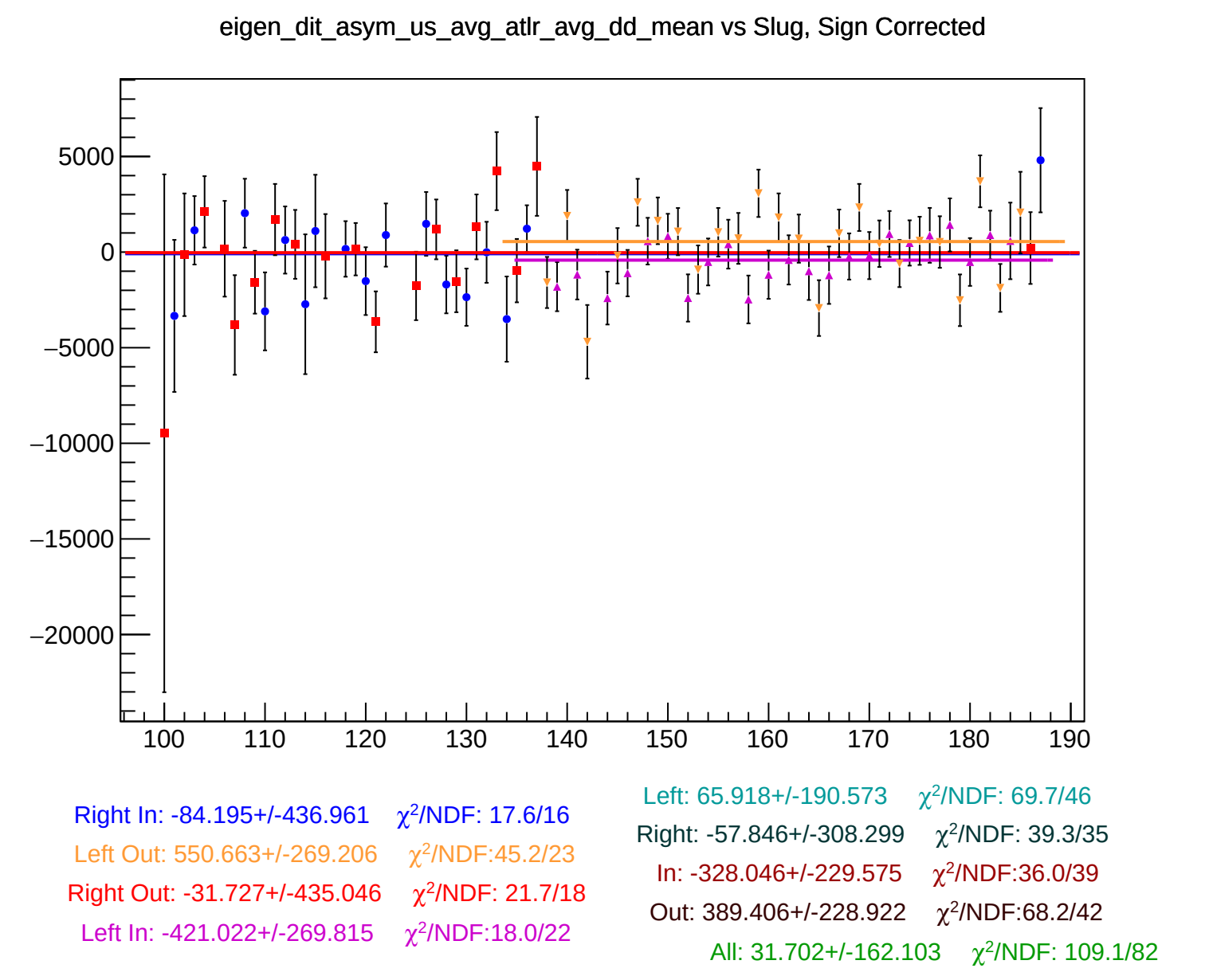
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 1478.160+/-0.335 χ^2/NDF: 10125912.8/35

In: 2899.380+/-0.434 χ^2/NDF:6161869.8/39

Out: 1924.486+/-0.335 χ^2/NDF:18815377.0/42

All: 2288.358+/-0.265 χ^2/NDF: 28142404.8/8


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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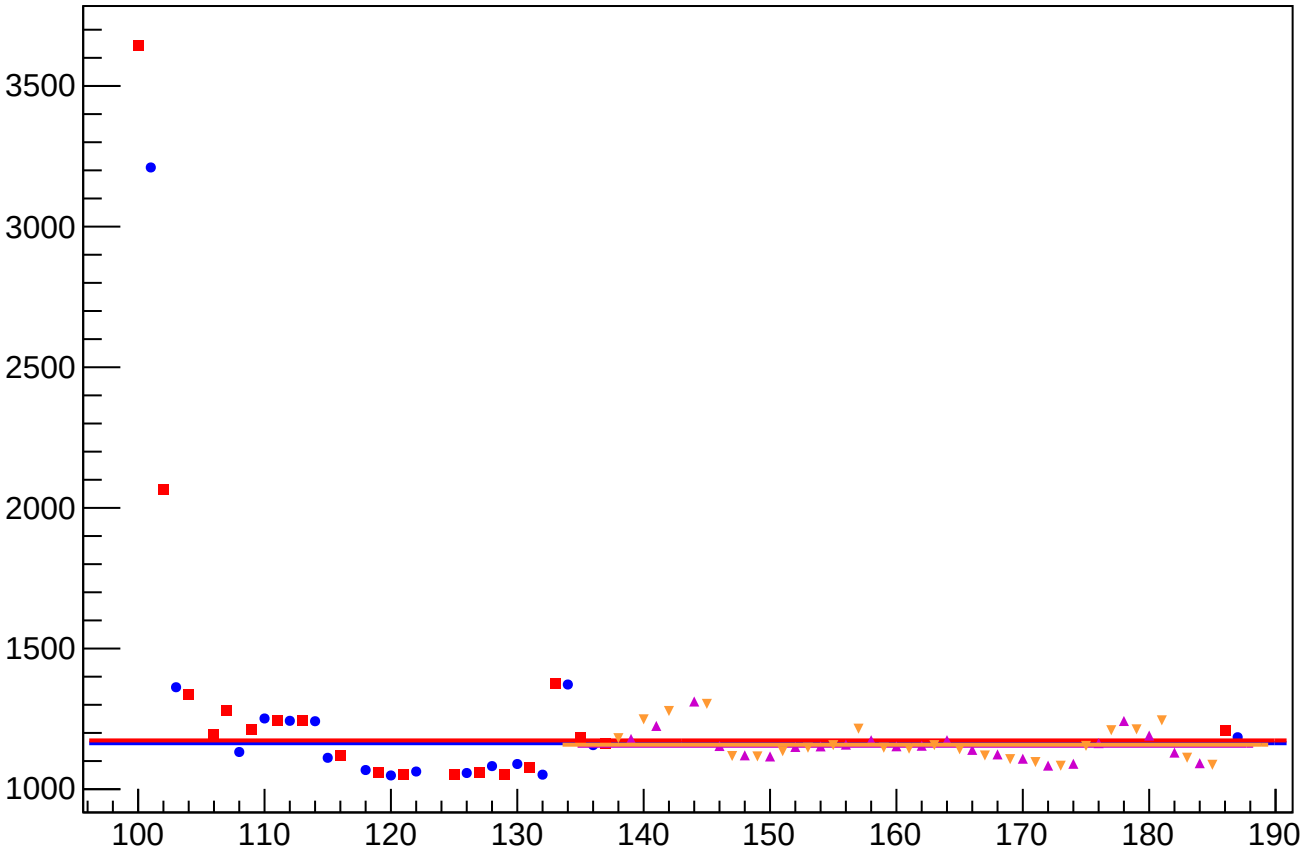
Right In: -84.195+/-436.961 χ²/NDF: 17.6/16
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: -31.727+/-435.046 χ²/NDF: 21.7/18
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -57.846+/-308.299 χ²/NDF: 39.3/35
In: -328.046+/-229.575 χ²/NDF:36.0/39
Out: 389.406+/-228.922 χ²/NDF:68.2/42
All: 31.702+/-162.103 χ²/NDF: 109.1/82



Right In: 1163.412+/-0.309 χ^2/NDF: 635478.7/16

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1173.364+/-0.307 χ^2/NDF: 332345.3/18

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

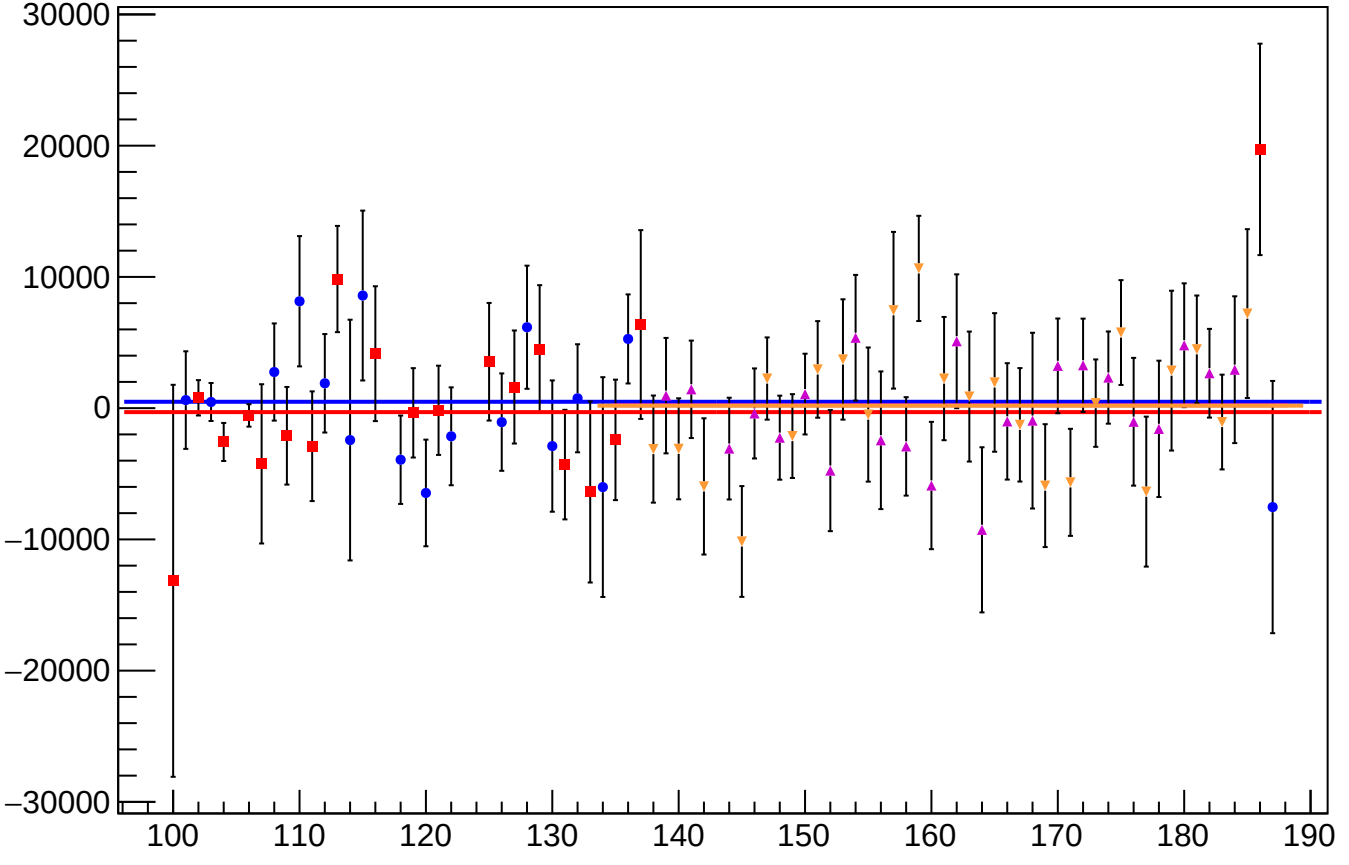
Right: 1168.412+/-0.218 χ^2/NDF: 968345.2/35

In: 1156.766+/-0.162 χ^2/NDF:702597.3/39

Out: 1162.386+/-0.162 χ^2/NDF:418223.0/42

All: 1159.584+/-0.115 χ^2/NDF: 1121421.3/82

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 486.139+/-870.533 χ^2/NDF: 15.1/16

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -301.629+/-564.473 χ^2/NDF: 22.9/18

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

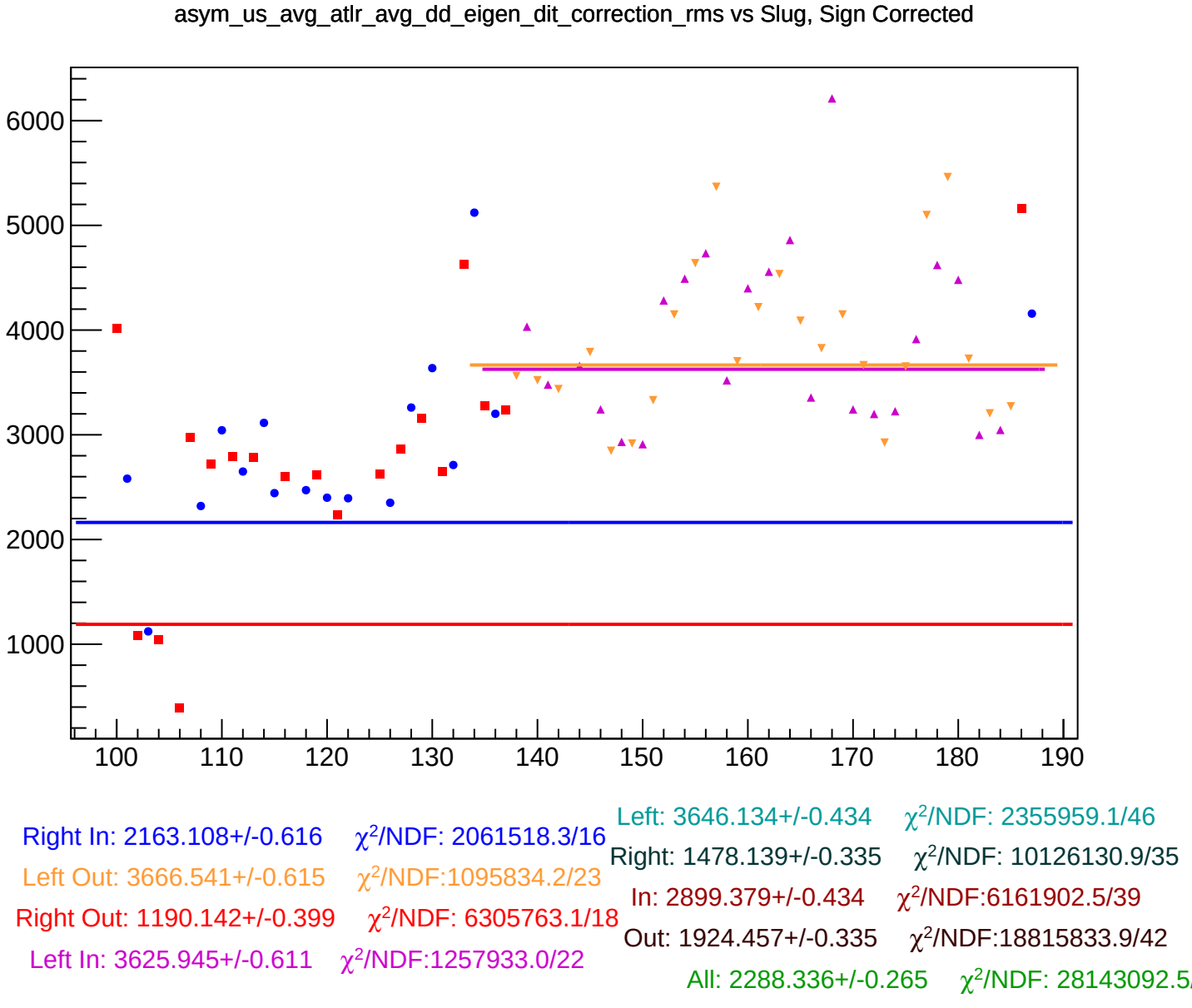
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: -68.451+/-473.620 χ^2/NDF: 38.5/35

In: 352.873+/-613.514 χ^2/NDF:28.5/39

Out: -155.927+/-473.442 χ^2/NDF:52.4/42

All: 33.977+/-374.816 χ^2/NDF: 81.3/82


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
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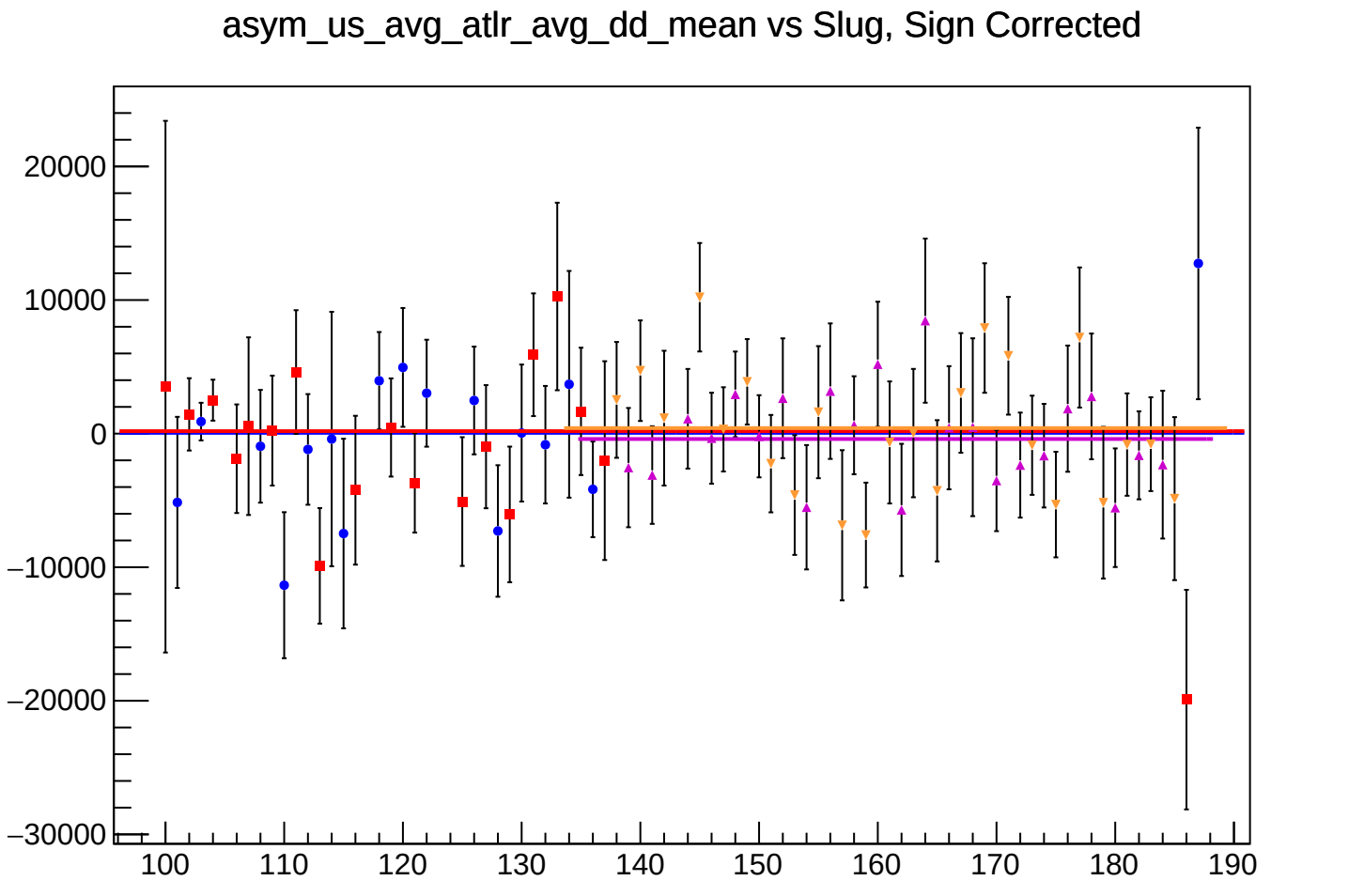
170
180
190
Right In: 2163.108+/-0.616 χ²/NDF: 2061518.3/16
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1190.142+/-0.399 χ²/NDF: 6305763.1/18
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 1478.139+/-0.335 χ²/NDF: 10126130.9/35
In: 2899.379+/-0.434 χ²/NDF:6161902.5/39
Out: 1924.457+/-0.335 χ²/NDF:18815833.9/42
All: 2288.336+/-0.265 χ²/NDF: 28143092.5/8



Right In: 59.159+/-916.982 χ^2/NDF: 15.3/16

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: 184.231+/-891.445 χ^2/NDF: 23.4/18

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

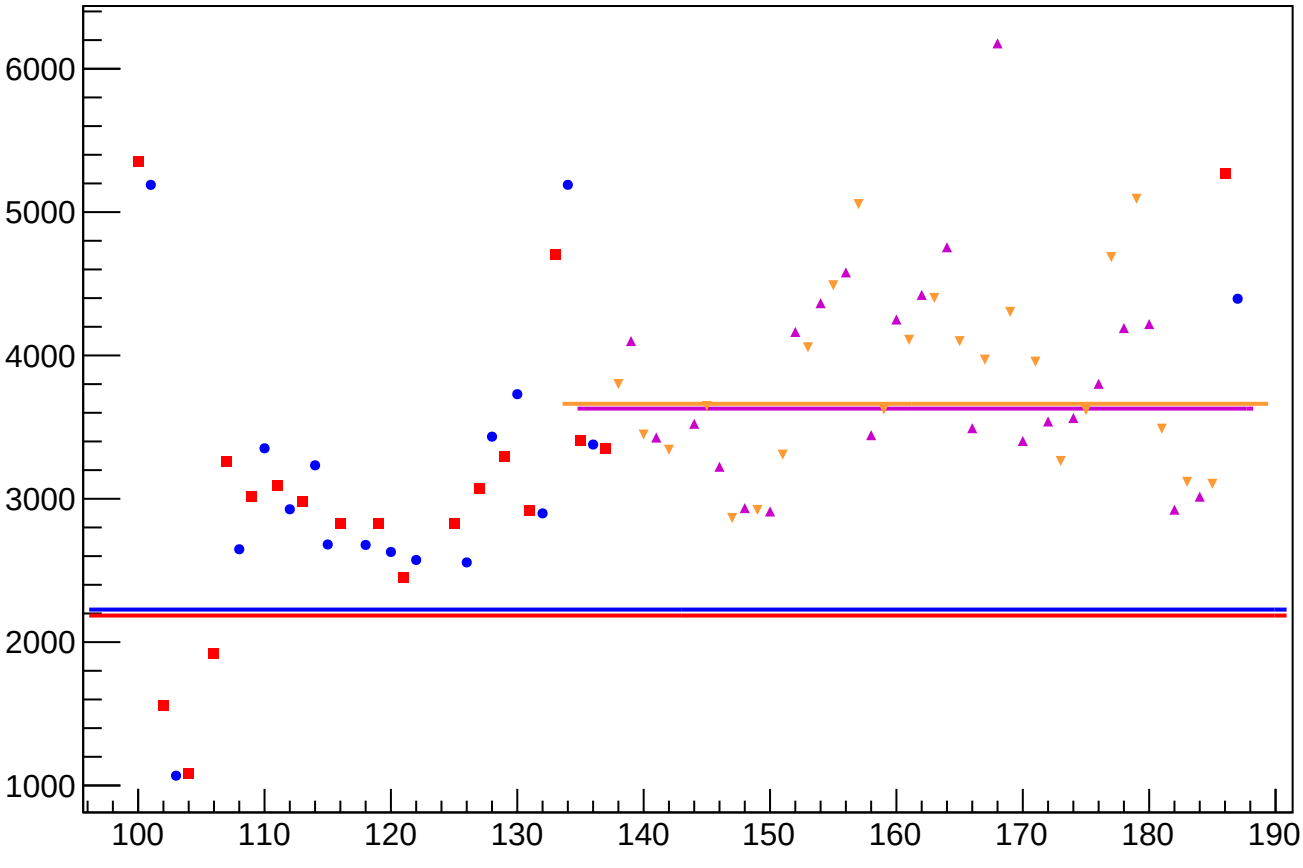
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 123.461+/-639.184 χ^2/NDF: 38.7/35

In: -186.362+/-628.234 χ^2/NDF:27.8/39

Out: 302.269+/-620.908 χ^2/NDF:50.6/42

All: 60.819+/-441.616 χ^2/NDF: 78.7/82



Right In: 2227.139+/-0.648 χ^2/NDF: 2928630.2/16

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2185.493+/-0.629 χ^2/NDF: 2554698.8/18

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

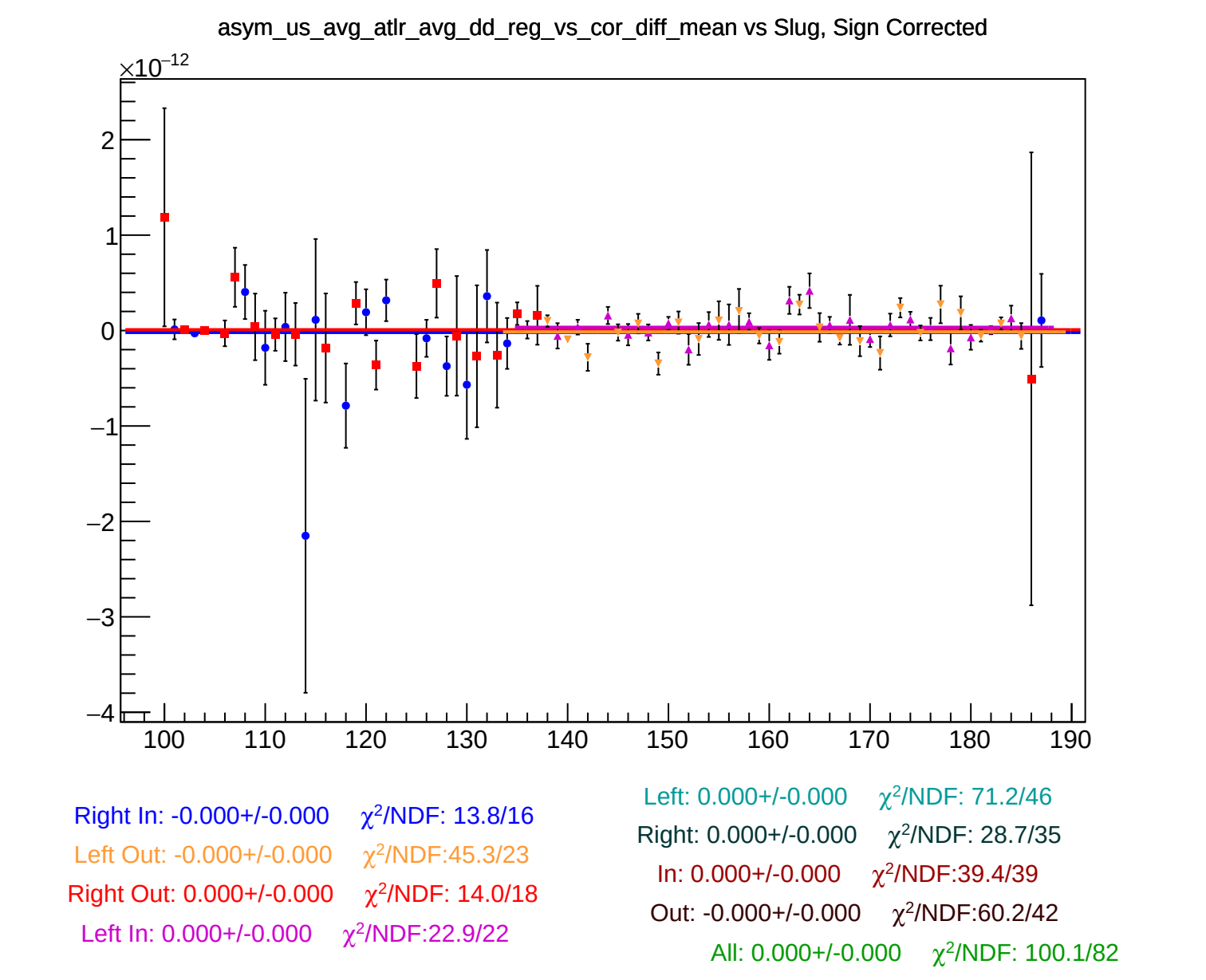
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2205.679+/-0.451 χ^2/NDF: 5485454.8/35

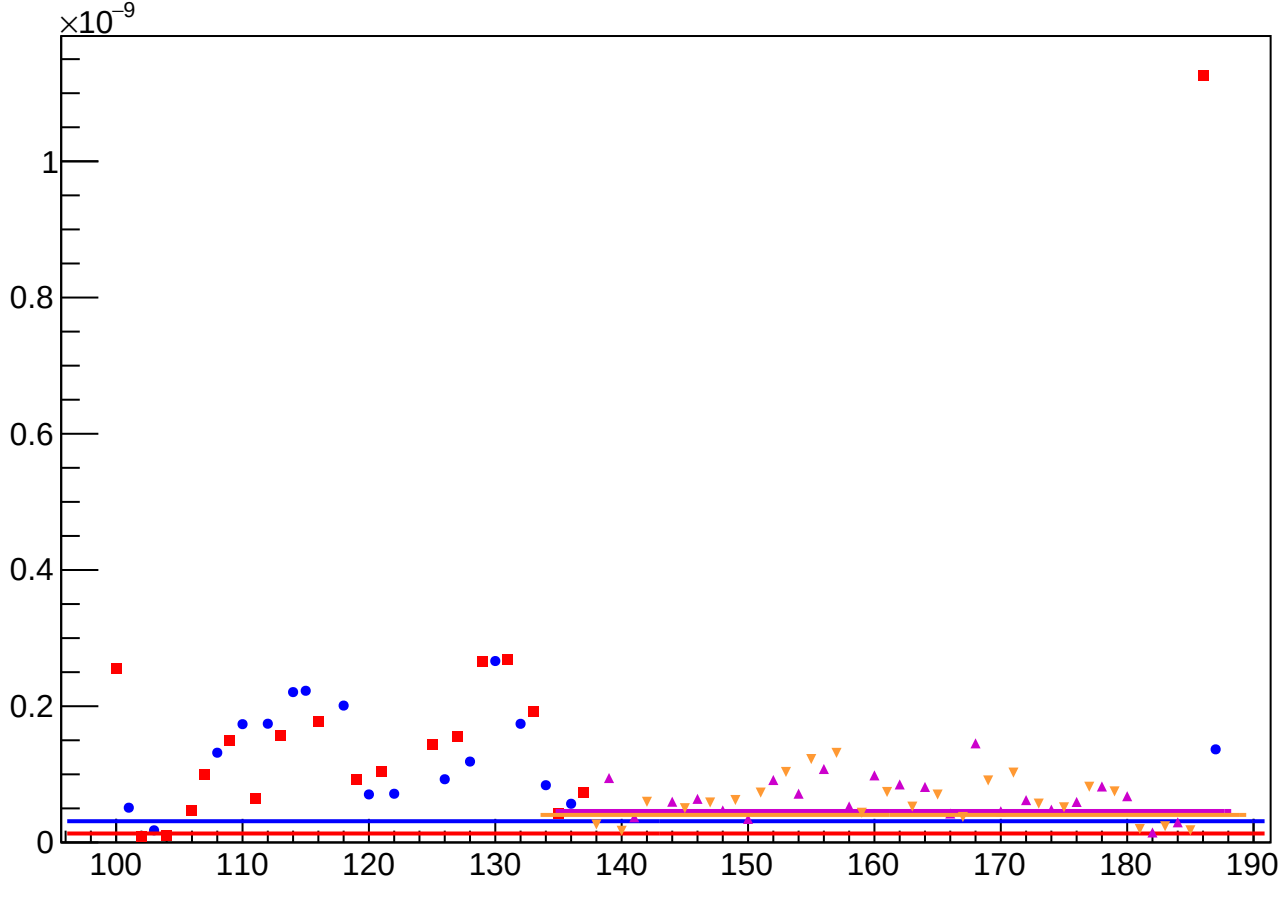
In: 2971.096+/-0.444 χ^2/NDF:6464543.9/39

Out: 2944.283+/-0.439 χ^2/NDF:6282486.9/42

All: 2957.517+/-0.312 χ^2/NDF: 12748875.8/8


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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.8/16
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/18
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: 0.000+/-0.000 χ²/NDF: 28.7/35
In: 0.000+/-0.000 χ²/NDF:39.4/39
Out: -0.000+/-0.000 χ²/NDF:60.2/42
All: 0.000+/-0.000 χ²/NDF: 100.1/82

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3092386.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4099330.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

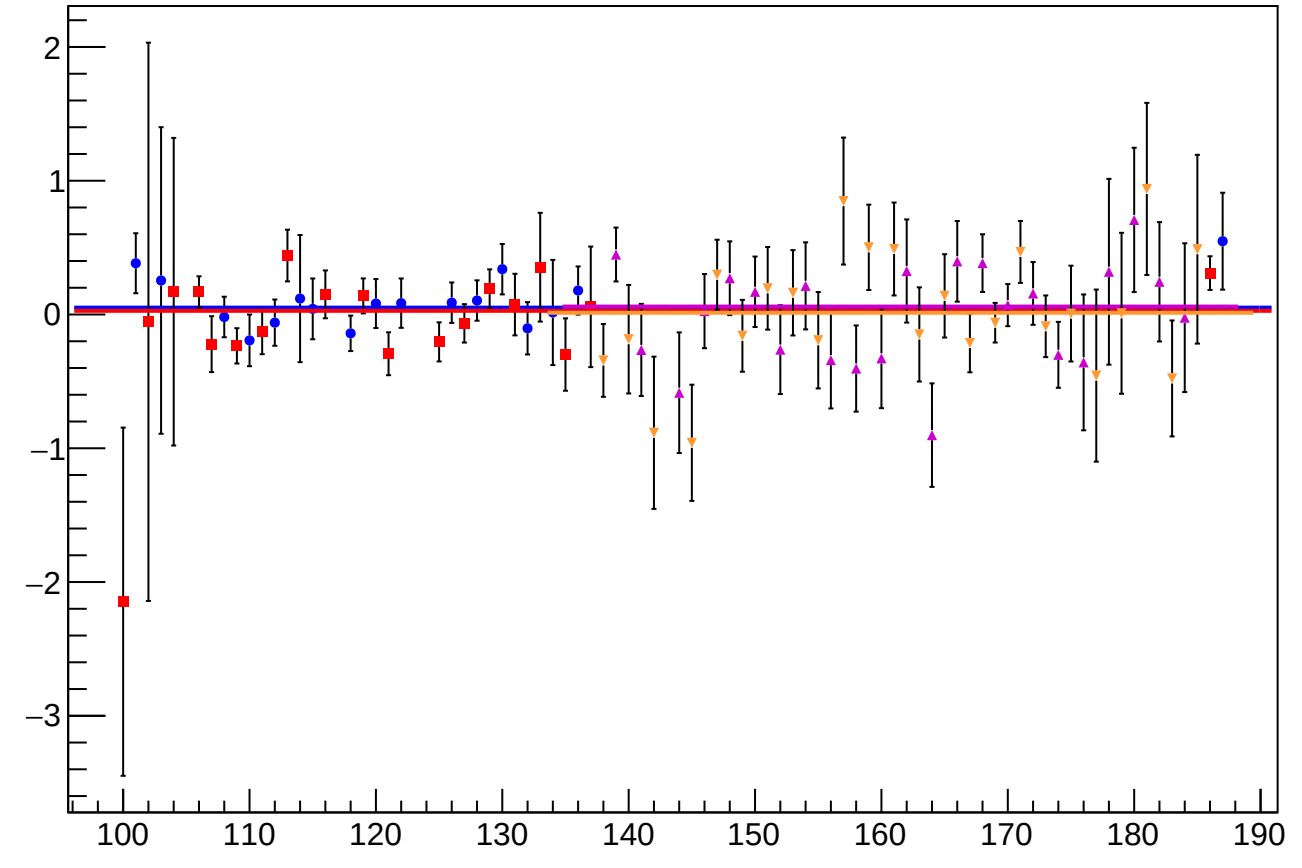
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 7940644.1/35

In: 0.000+/-0.000 χ^2/NDF:6473802.1/39

Out: 0.000+/-0.000 χ^2/NDF:10152190.7/42

All: 0.000+/-0.000 χ^2/NDF: 18059770.6/82



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.028+/-0.041 χ^2/NDF: 31.6/18

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

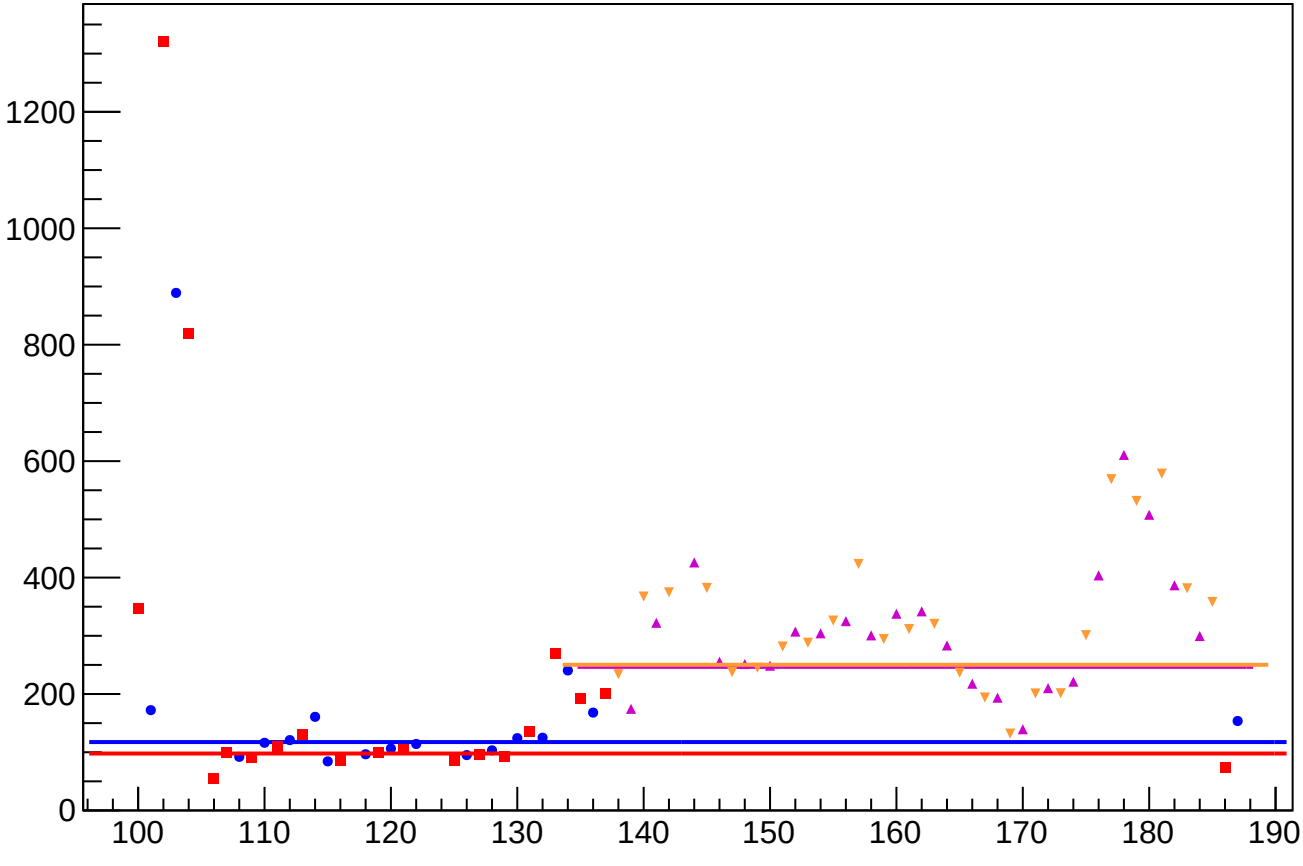
Right: 0.038+/-0.031 χ^2/NDF: 44.0/35

In: 0.054+/-0.037 χ^2/NDF:40.1/39

Out: 0.023+/-0.034 χ^2/NDF:61.0/42

All: 0.037+/-0.025 χ^2/NDF: 101.5/82

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.462+/-0.033 χ^2/NDF: 1641117.4/16

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 97.792+/-0.029 χ^2/NDF: 2739972.9/18

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

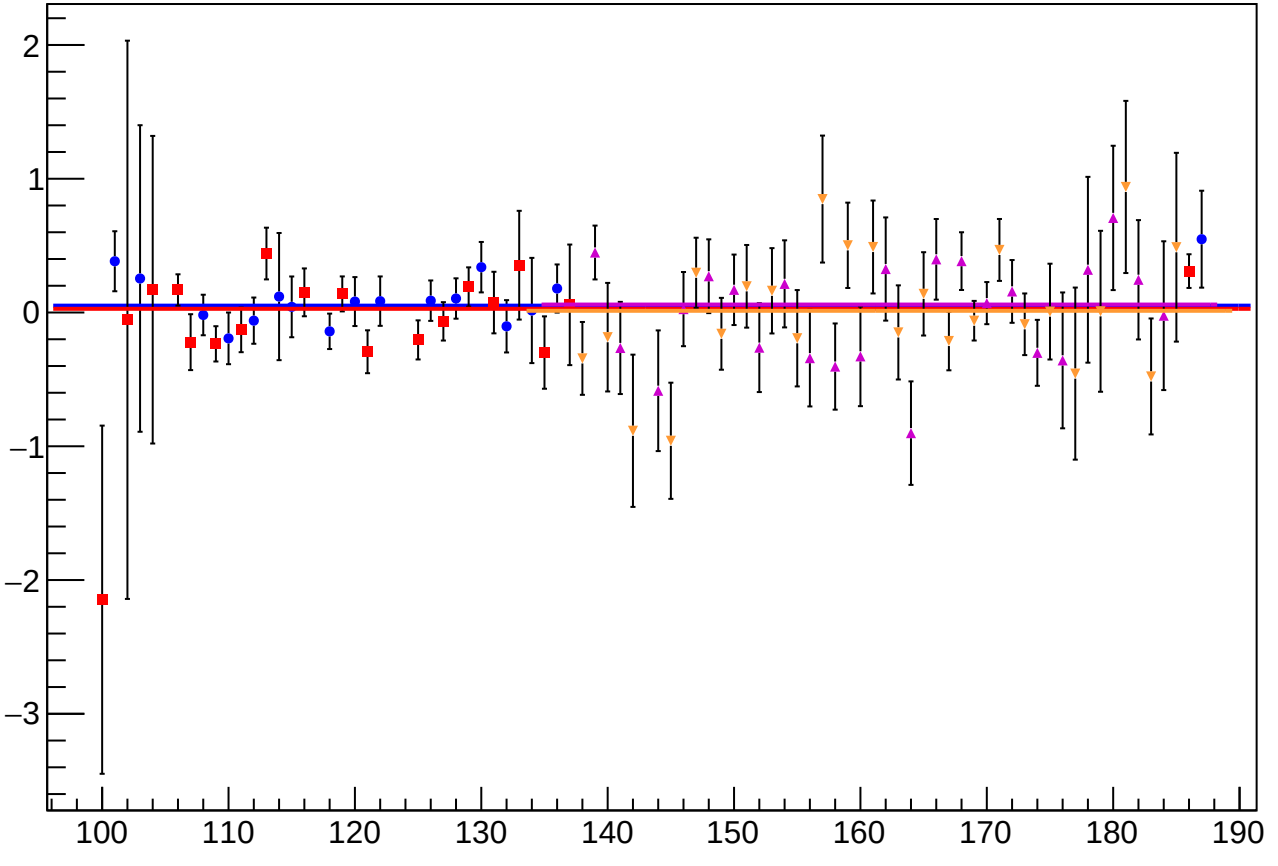
Right: 106.283+/-0.022 χ^2/NDF: 4579647.8/35

In: 164.672+/-0.027 χ^2/NDF:10920313.9/39

Out: 143.167+/-0.024 χ^2/NDF:15317223.1/42

All: 152.989+/-0.018 χ^2/NDF: 26595071.0/82

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.028+/-0.041 χ^2/NDF: 31.6/18

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

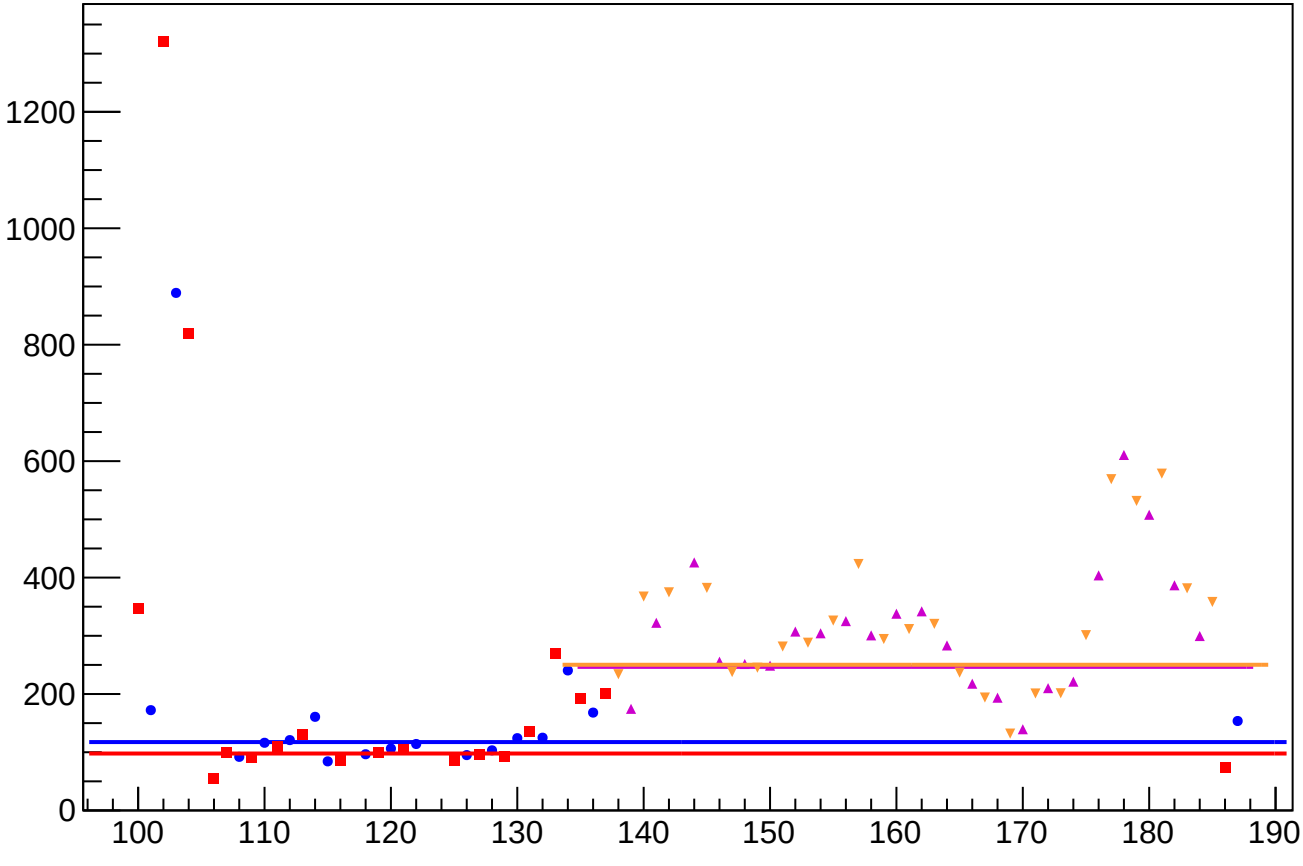
Right: 0.038+/-0.031 χ^2/NDF: 44.0/35

In: 0.054+/-0.037 χ^2/NDF:40.1/39

Out: 0.023+/-0.034 χ^2/NDF:61.0/42

All: 0.037+/-0.025 χ^2/NDF: 101.5/82

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.462+/-0.033 χ^2/NDF: 1641117.4/16

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 97.792+/-0.029 χ^2/NDF: 2739972.9/18

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

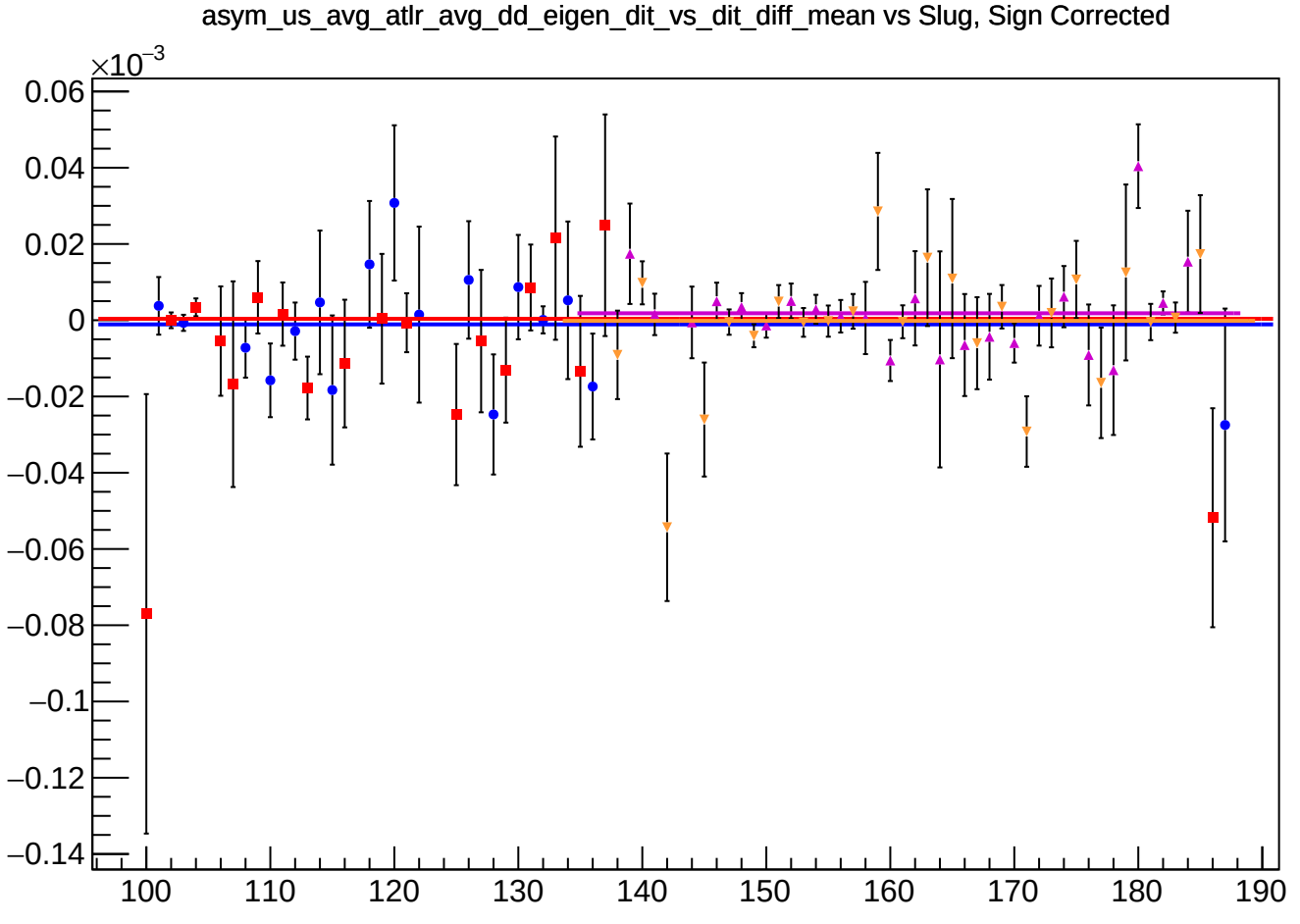
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 106.283+/-0.022 χ^2/NDF: 4579647.8/35

In: 164.672+/-0.027 χ^2/NDF:10920313.9/39

Out: 143.167+/-0.024 χ^2/NDF:15317223.1/42

All: 152.989+/-0.018 χ^2/NDF: 26595071.0/82



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

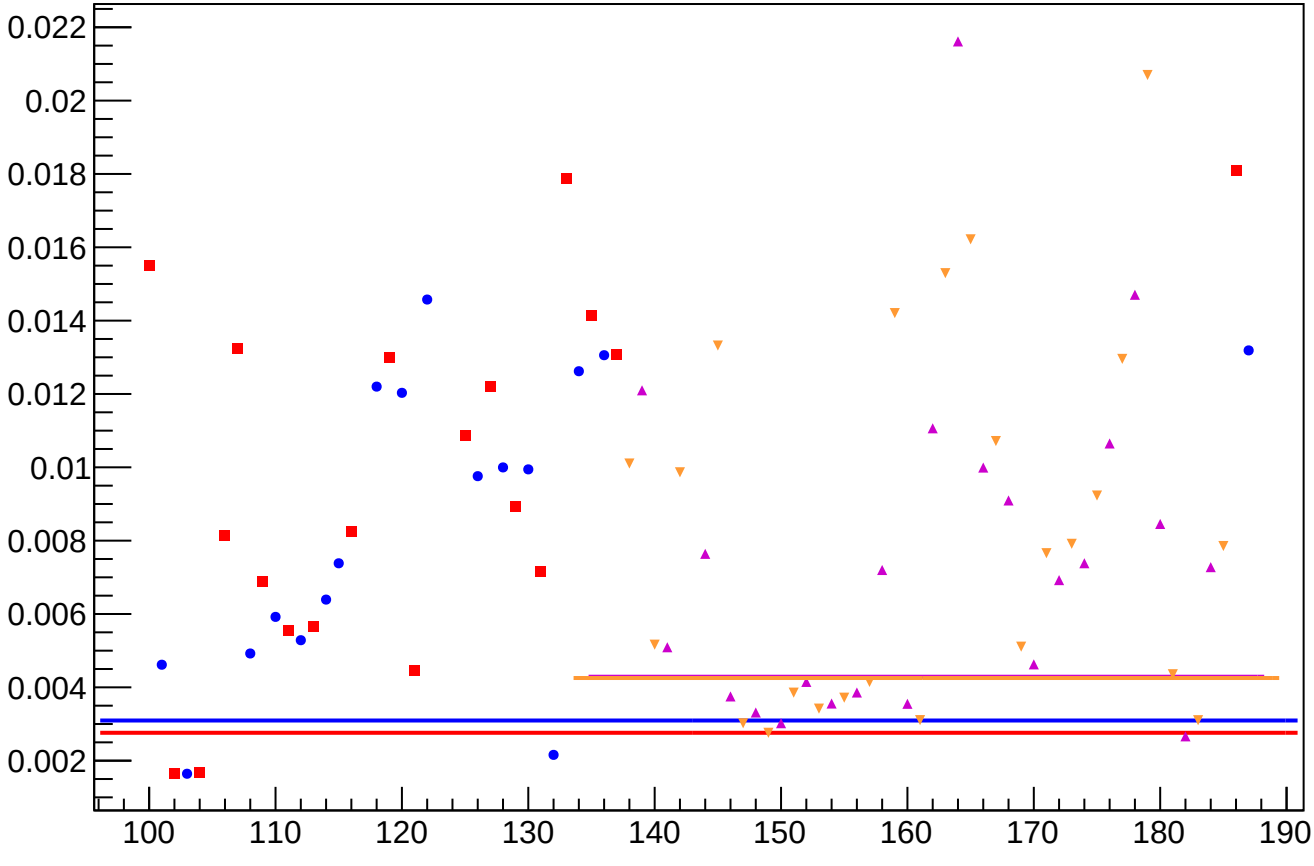
Right: -0.000+/-0.000 χ^2/NDF: 32.2/35

In: 0.000+/-0.000 χ^2/NDF:43.7/39

Out: 0.000+/-0.000 χ^2/NDF:55.6/42

All: 0.000+/-0.000 χ^2/NDF: 99.6/82

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: 6183472.1/16

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7285839.4/18

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

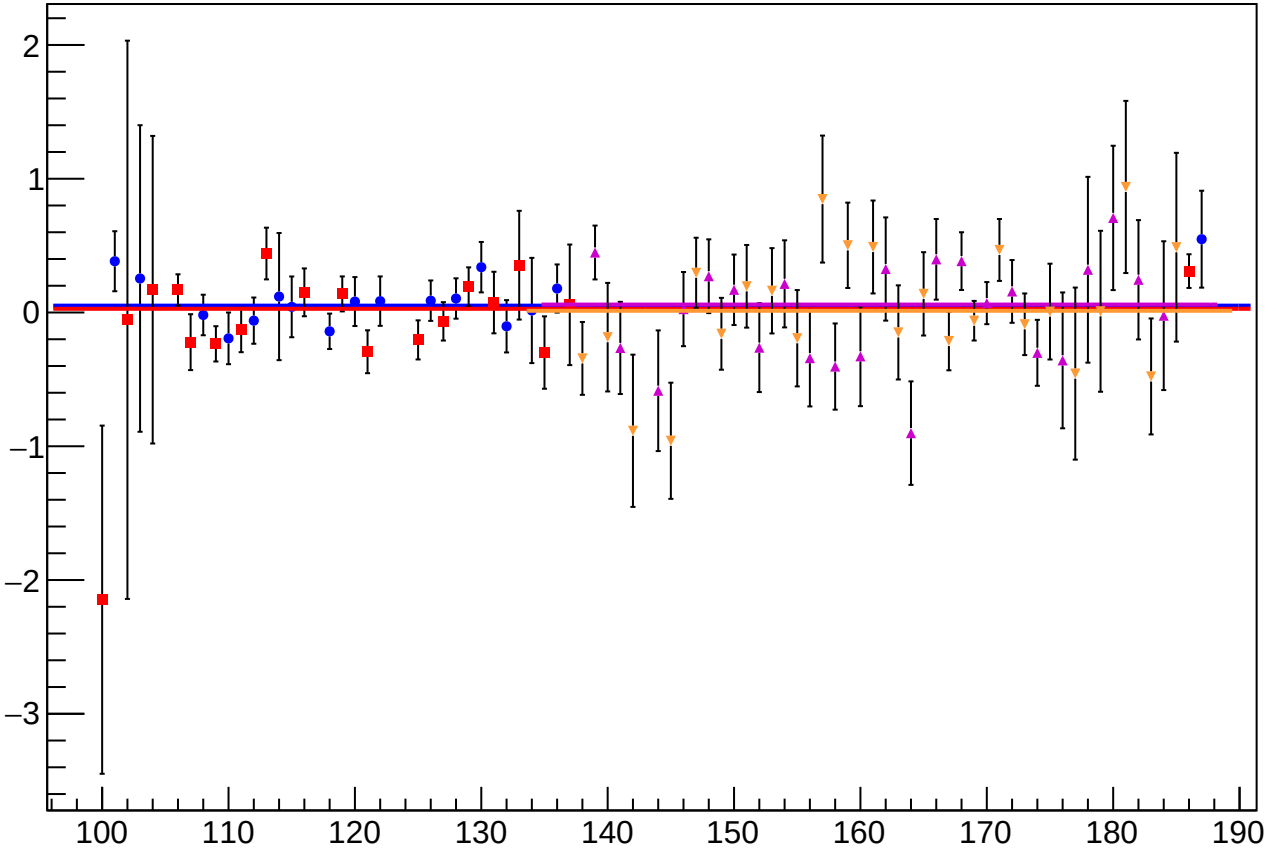
Right: 0.003+/-0.000 χ^2/NDF: 13519849.8/35

In: 0.004+/-0.000 χ^2/NDF:13512299.8/39

Out: 0.004+/-0.000 χ^2/NDF:17125471.2/42

All: 0.004+/-0.000 χ^2/NDF: 30694714.5/82

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.028+/-0.041 χ^2/NDF: 31.6/18

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

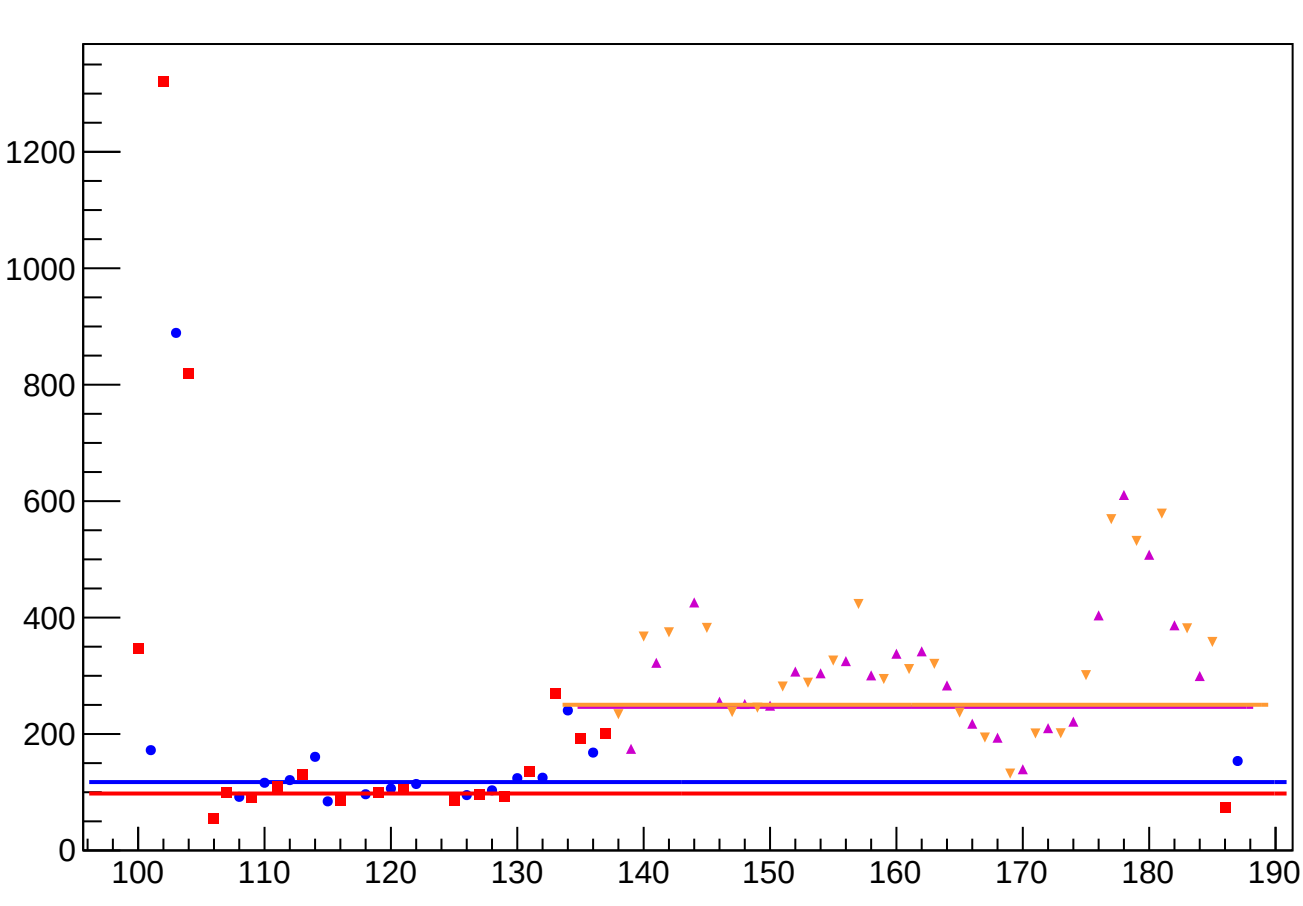
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.038+/-0.031 χ^2/NDF: 44.0/35

In: 0.054+/-0.037 χ^2/NDF:40.1/39

Out: 0.023+/-0.034 χ^2/NDF:61.0/42

All: 0.037+/-0.025 χ^2/NDF: 101.5/82



Right In: 117.462+/-0.033 χ^2/NDF: 1641114.3/16

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 97.789+/-0.029 χ^2/NDF: 2740148.6/18

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

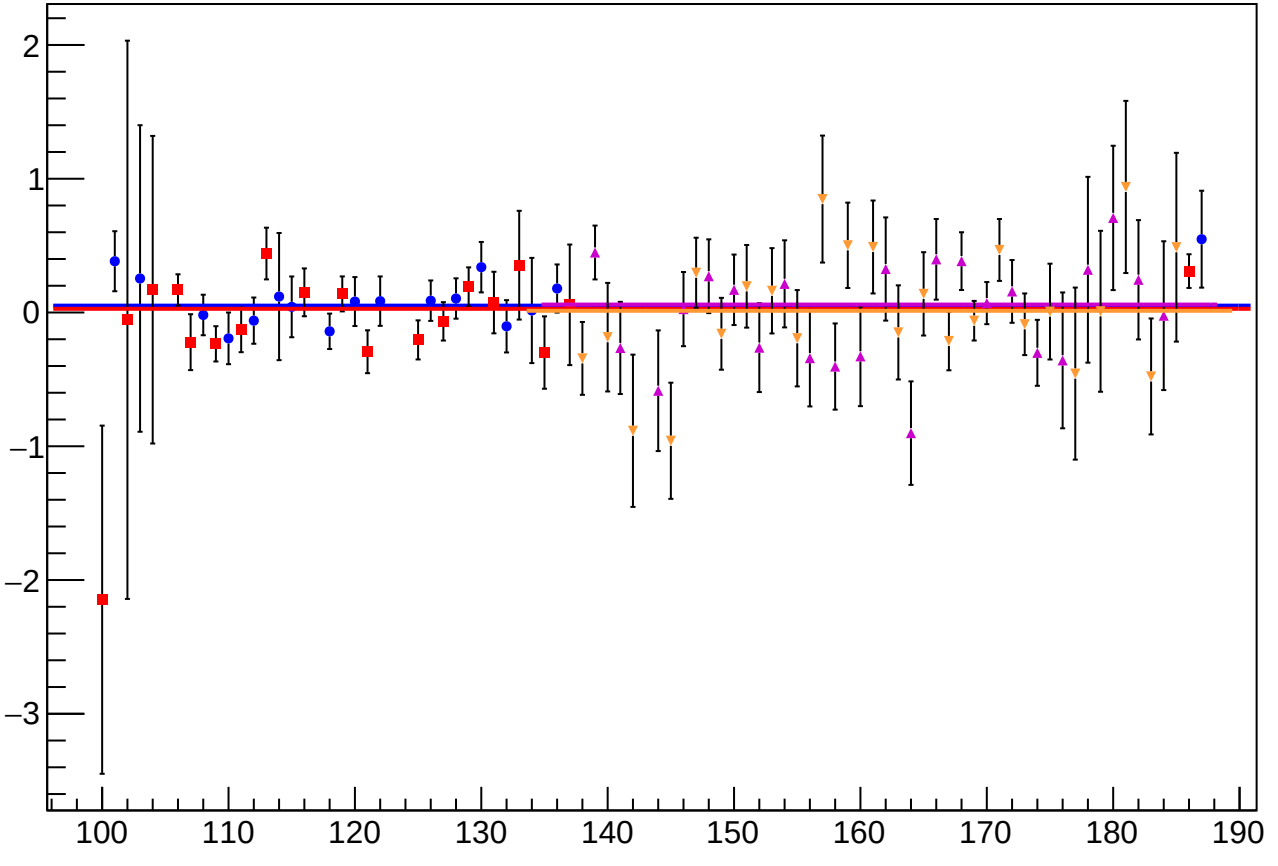
Right: 106.281+/-0.022 χ^2/NDF: 4579883.8/35

In: 164.672+/-0.027 χ^2/NDF:10920470.2/39

Out: 143.163+/-0.024 χ^2/NDF:15317986.8/42

All: 152.987+/-0.018 χ^2/NDF: 26596117.0/82

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.028+/-0.041 χ^2/NDF: 31.6/18

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

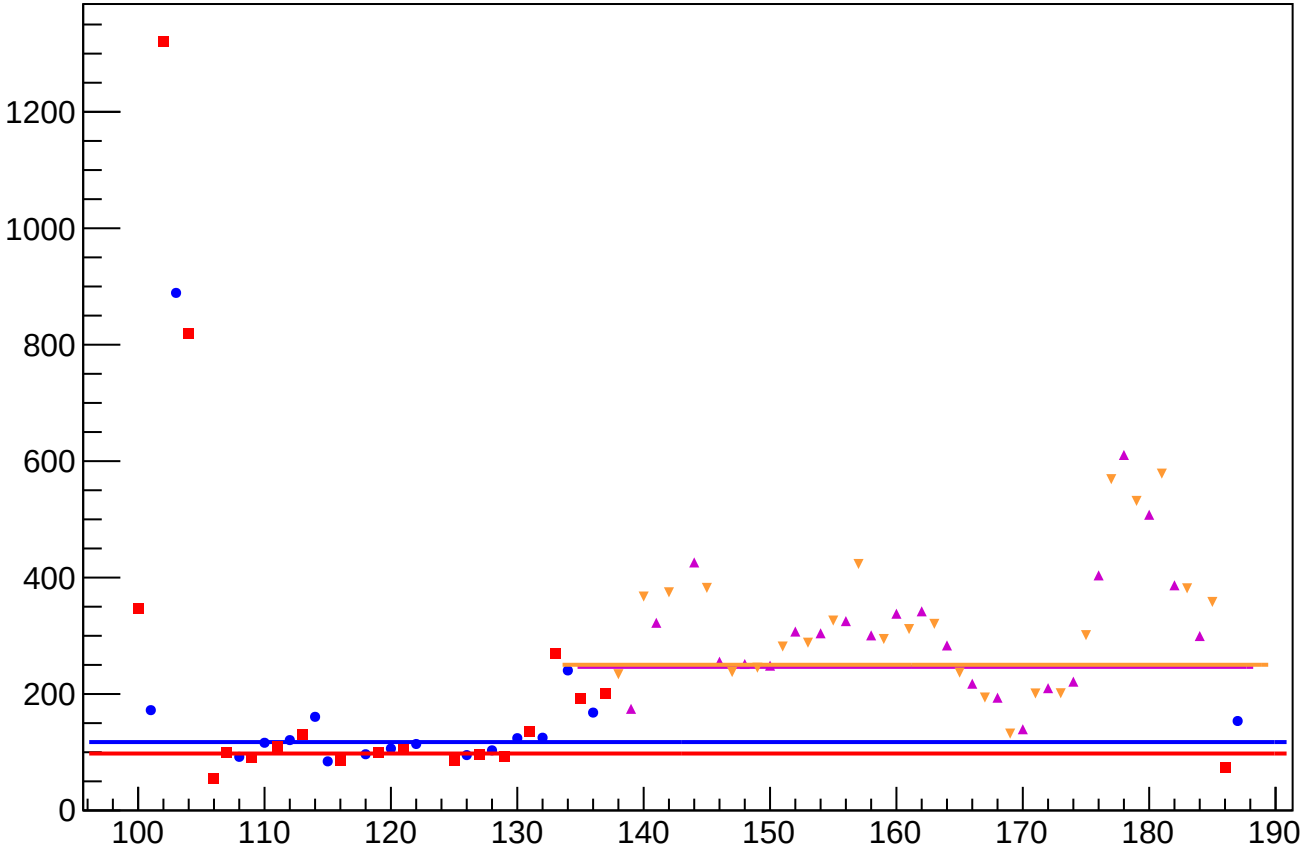
Right: 0.038+/-0.031 χ^2/NDF: 44.0/35

In: 0.054+/-0.037 χ^2/NDF:40.1/39

Out: 0.023+/-0.034 χ^2/NDF:61.0/42

All: 0.037+/-0.025 χ^2/NDF: 101.5/82

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.462+/-0.033 χ^2/NDF: 1641114.3/16

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 97.789+/-0.029 χ^2/NDF: 2740148.6/18

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

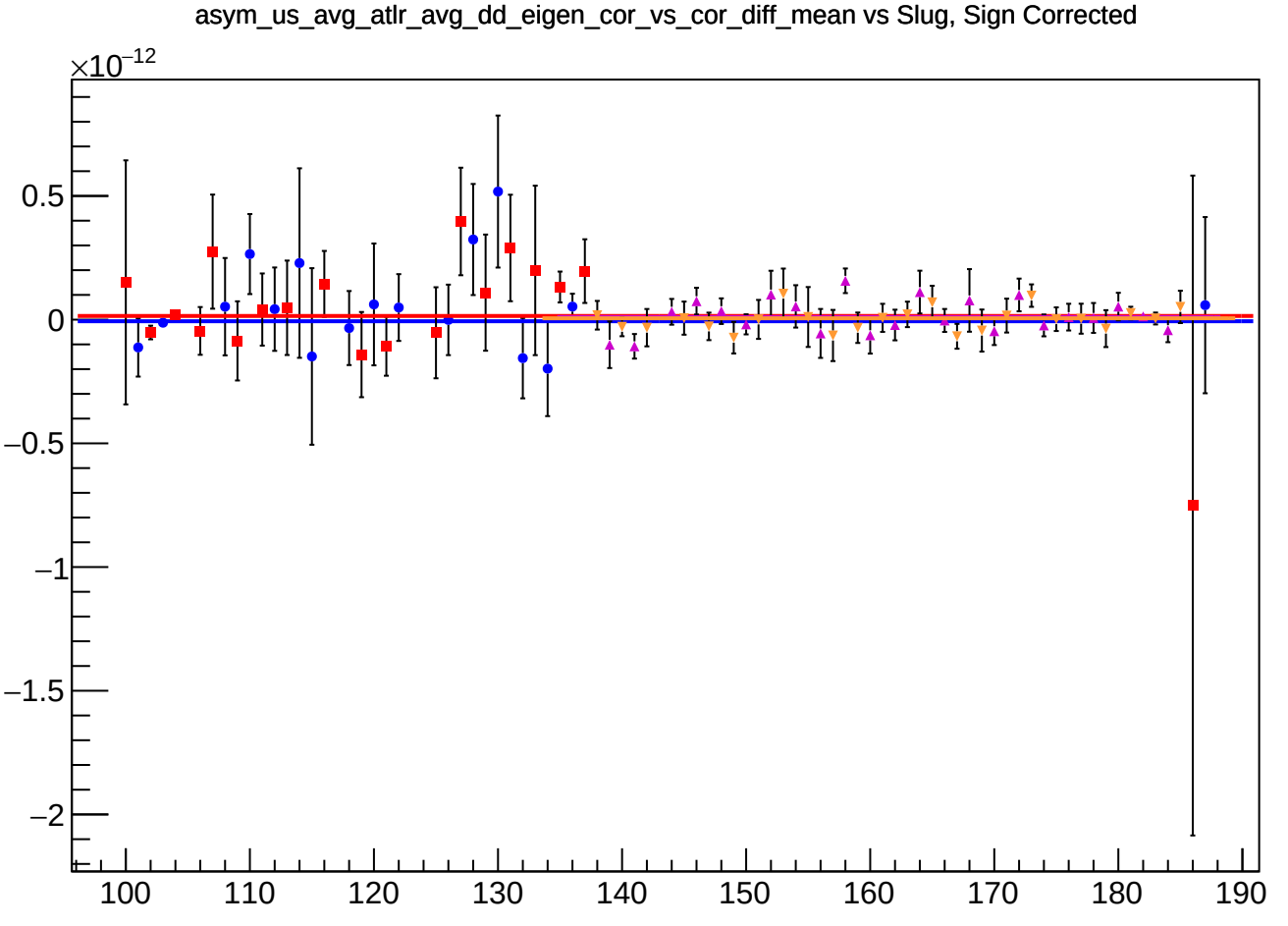
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 106.281+/-0.022 χ^2/NDF: 4579883.8/35

In: 164.672+/-0.027 χ^2/NDF:10920470.2/39

Out: 143.163+/-0.024 χ^2/NDF:15317986.8/42

All: 152.987+/-0.018 χ^2/NDF: 26596117.0/82



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/18

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

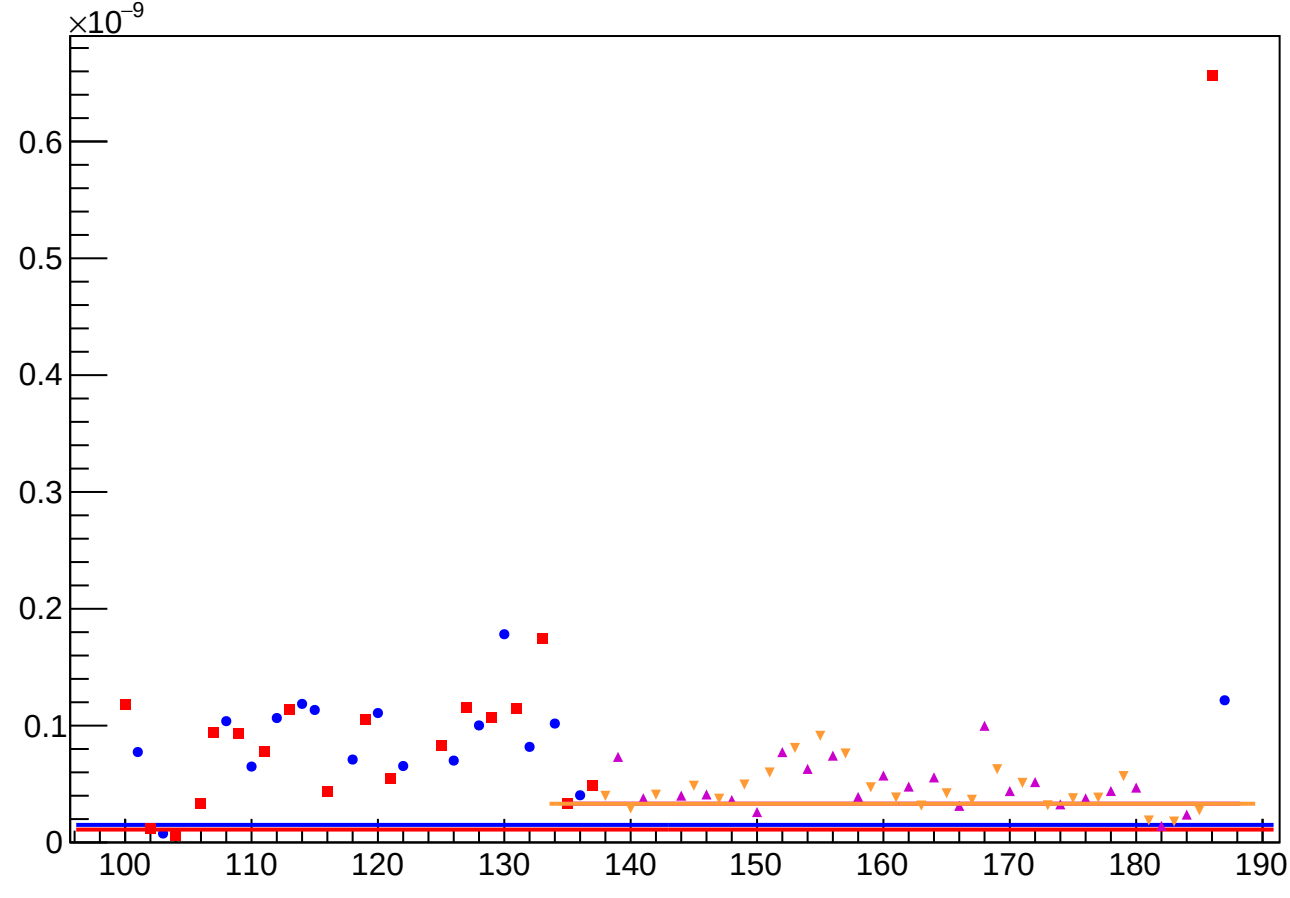
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 37.1/35

In: 0.000+/-0.000 χ^2/NDF:42.0/39

Out: 0.000+/-0.000 χ^2/NDF:36.5/42

All: 0.000+/-0.000 χ^2/NDF: 78.9/82



Right In: 0.000+/-0.000 χ^2/NDF: 6072639.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6335864.1/18

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

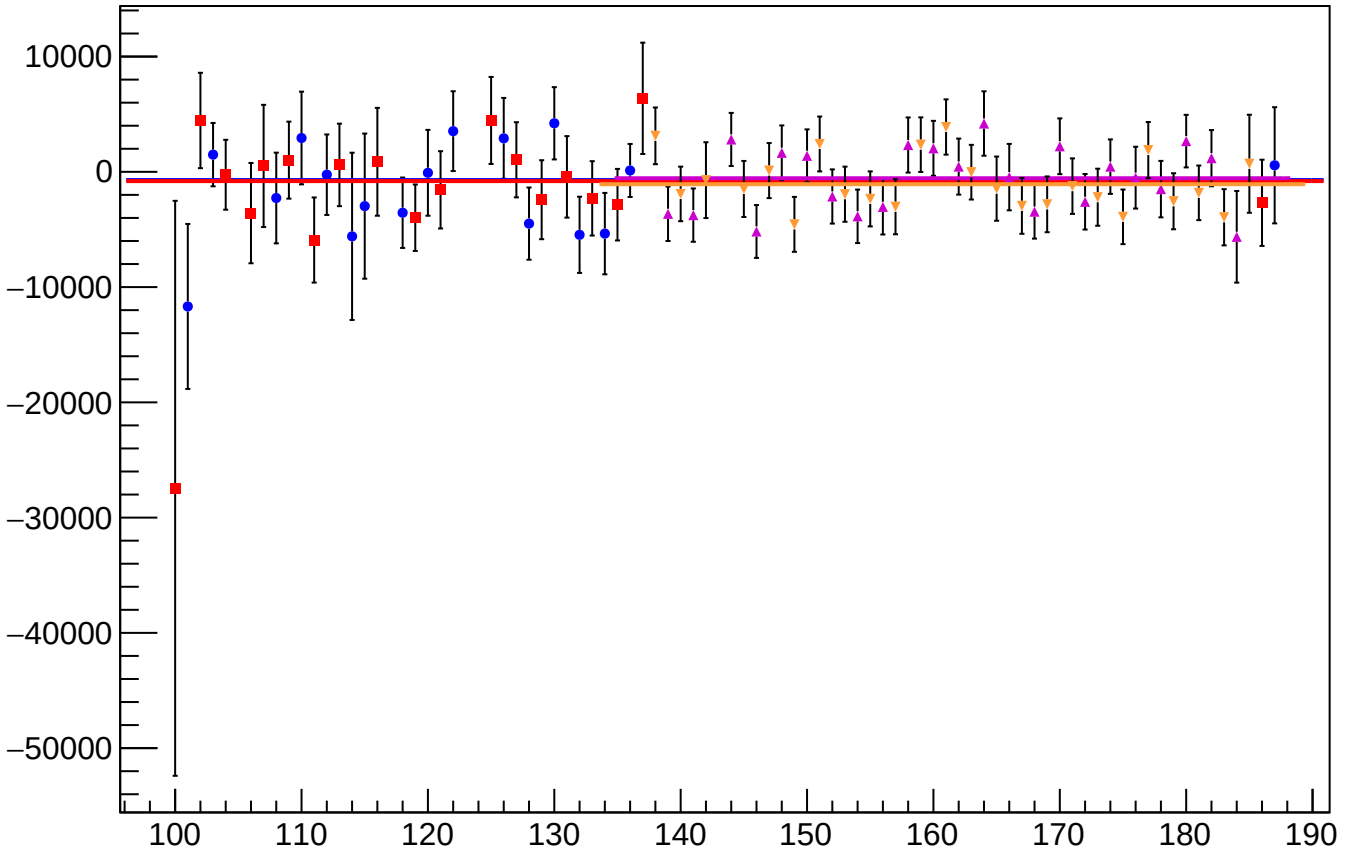
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 12534914.4/35

In: 0.000+/-0.000 χ^2/NDF:13585242.0/39

Out: 0.000+/-0.000 χ^2/NDF:15087121.9/42

All: 0.000+/-0.000 χ^2/NDF: 28981495.3/82



Right In: -715.819+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -803.896+/-846.116 χ^2/NDF: 12.6/18

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

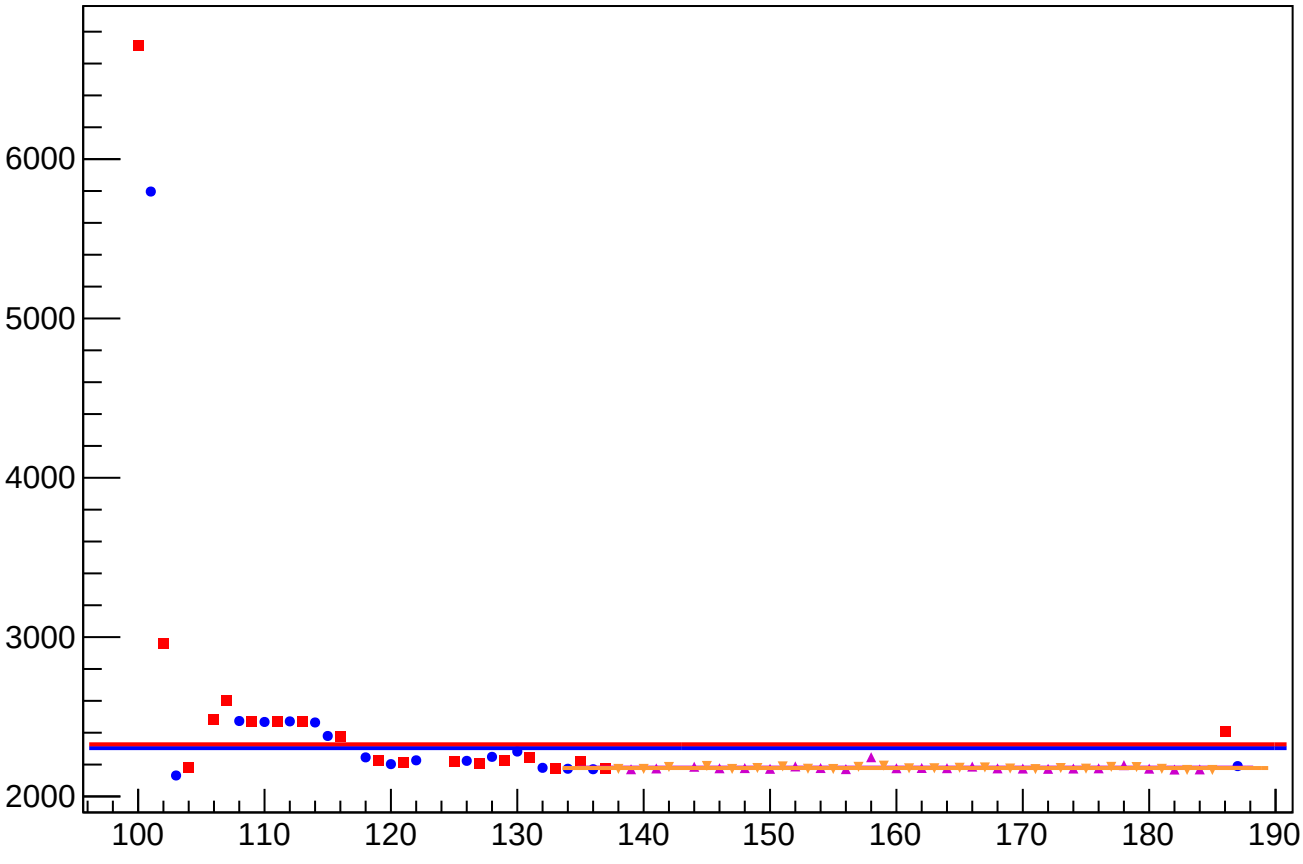
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -760.567+/-603.094 χ^2/NDF: 28.6/35

In: -598.275+/-438.143 χ^2/NDF:44.7/39

Out: -1002.106+/-433.975 χ^2/NDF:34.3/42

All: -802.121+/-308.329 χ^2/NDF: 79.4/82



Right In: 2303.259+/-0.608 χ^2/NDF: 515183.3/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2327.229+/-0.598 χ^2/NDF: 152708.5/18

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

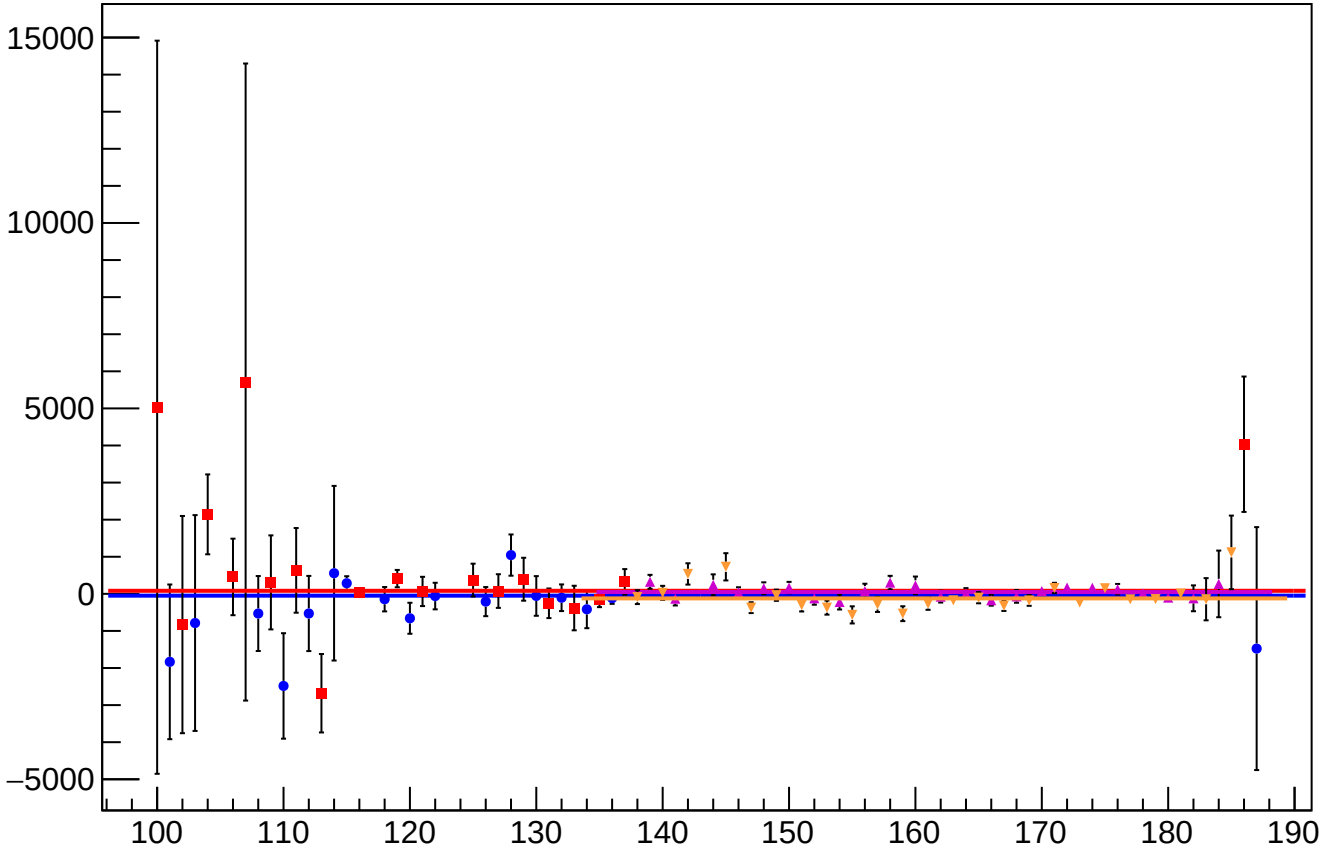
Right: 2315.437+/-0.426 χ^2/NDF: 668681.4/35

In: 2212.684+/-0.310 χ^2/NDF:547024.6/39

Out: 2217.438+/-0.307 χ^2/NDF:198794.1/42

All: 2215.083+/-0.218 χ^2/NDF: 745937.6/82

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -49.026+/-90.879 χ^2/NDF: 14.6/16

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 82.250+/-82.300 χ^2/NDF: 22.3/18

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

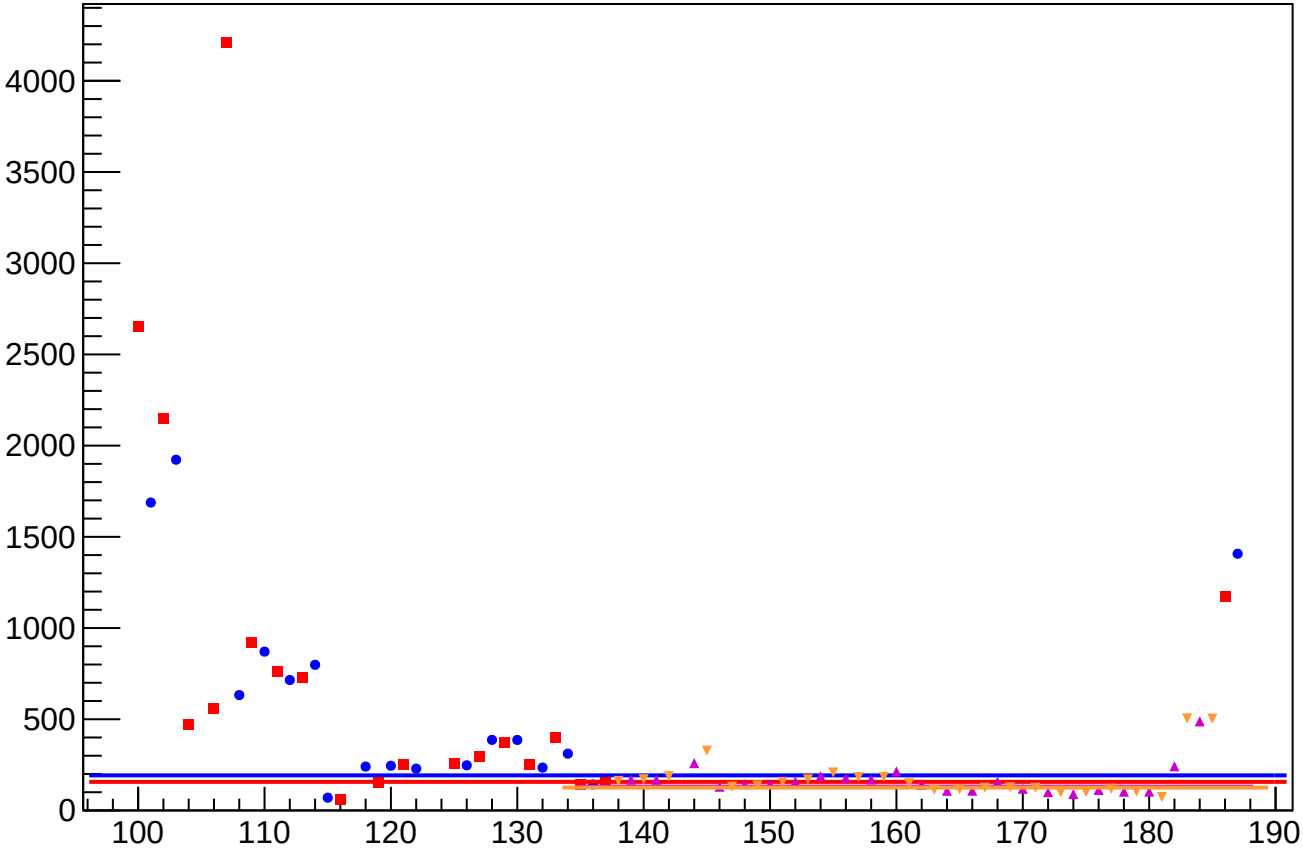
Right: 23.100+/-61.003 χ^2/NDF: 38.0/35

In: 39.025+/-30.639 χ^2/NDF:33.9/39

Out: -96.914+/-29.344 χ^2/NDF:71.6/42

All: -31.880+/-21.192 χ^2/NDF: 115.7/82

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 192.317+/-0.064 χ^2/NDF: 5340213.8/16

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 156.746+/-0.058 χ^2/NDF: 6775042.8/18

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

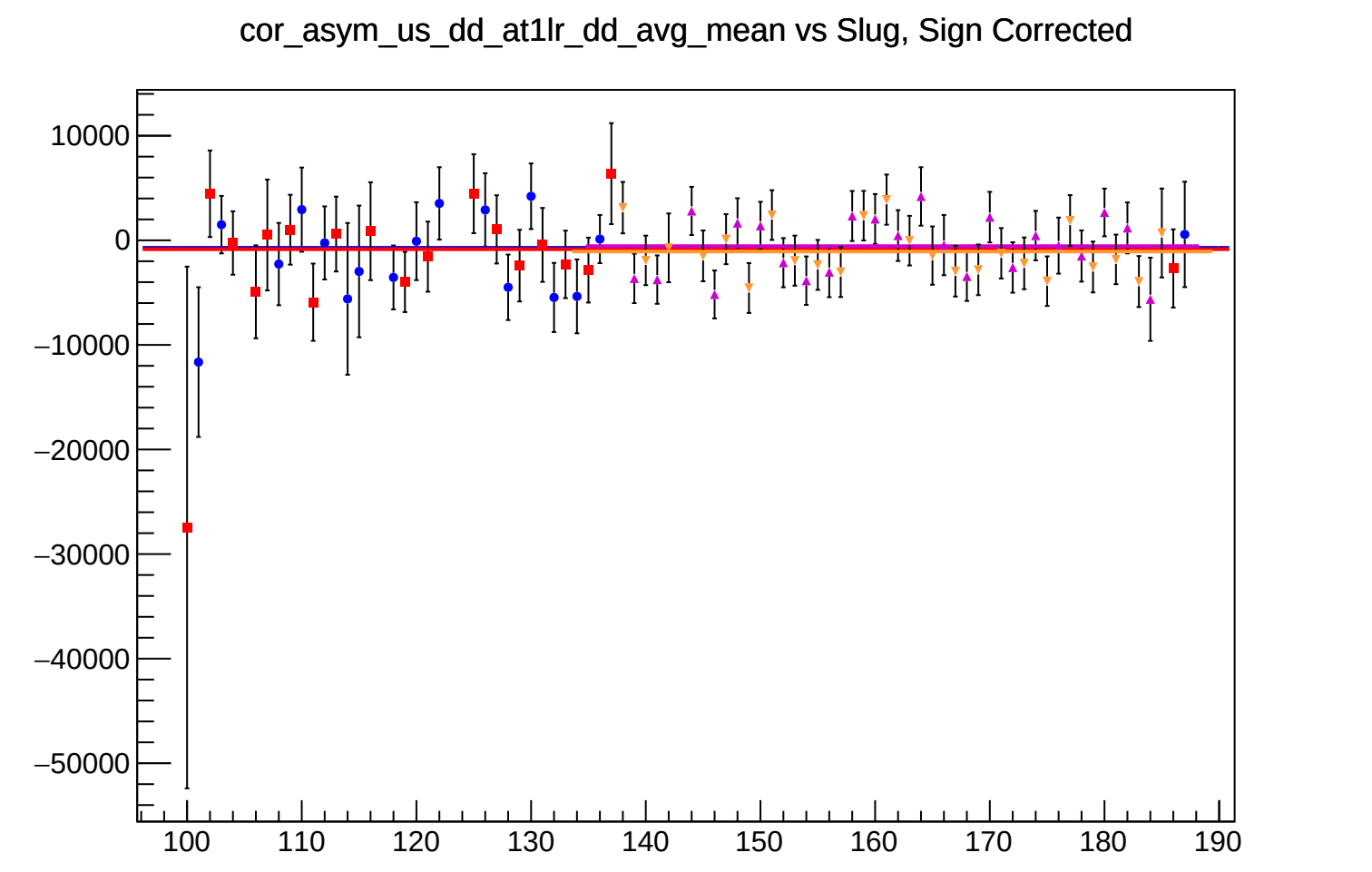
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 172.774+/-0.043 χ^2/NDF: 12283596.8/35

In: 137.470+/-0.022 χ^2/NDF:8841781.9/39

Out: 129.478+/-0.021 χ^2/NDF:10969325.5/42

All: 133.301+/-0.015 χ^2/NDF: 19882088.6/82



Right In: -714.901+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -848.766+/-846.781 χ^2/NDF: 13.1/18

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

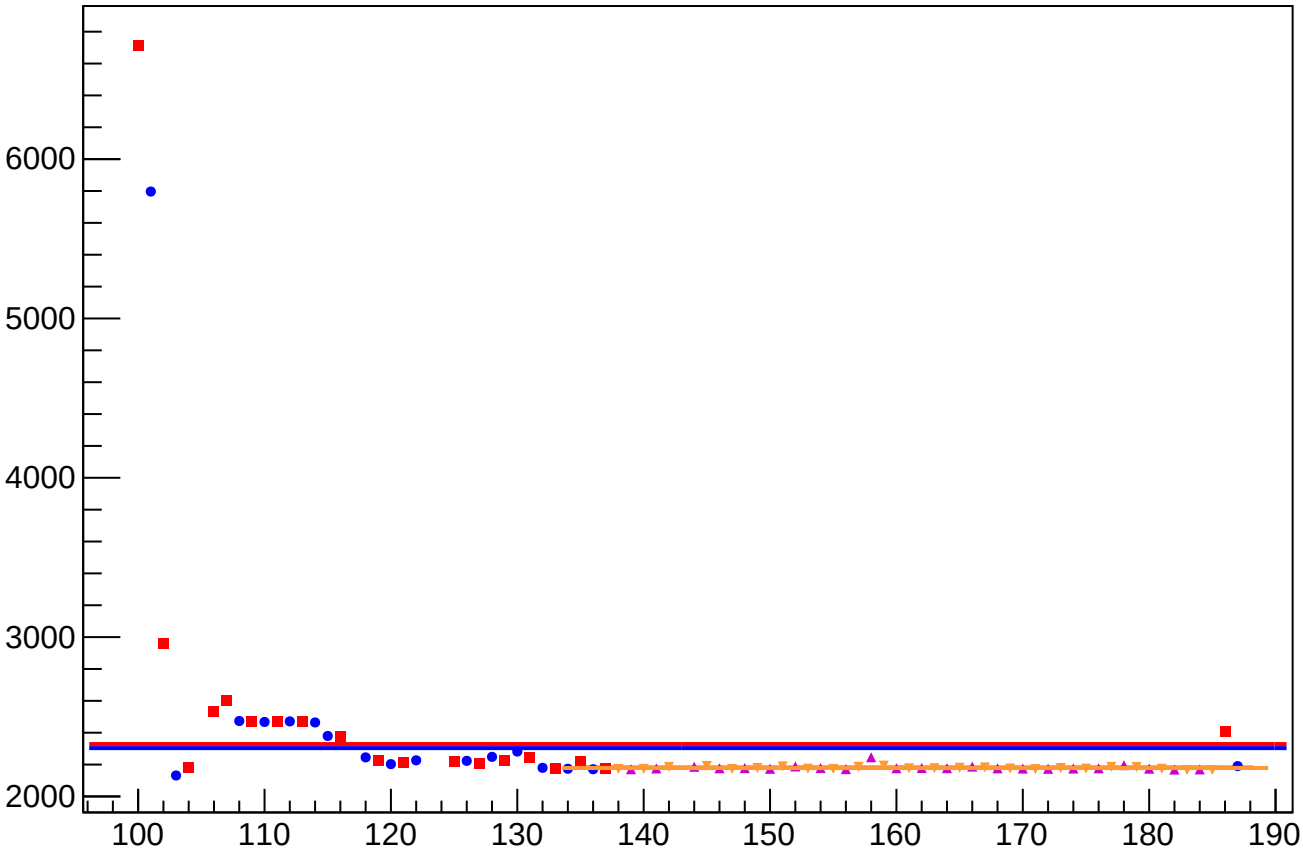
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -782.859+/-603.334 χ^2/NDF: 29.0/35

In: -598.057+/-438.143 χ^2/NDF:44.7/39

Out: -1013.928+/-434.064 χ^2/NDF:34.7/42

All: -807.937+/-308.362 χ^2/NDF: 79.8/82



Right In: 2303.260+/-0.608 χ^2/NDF: 515183.7/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2328.824+/-0.599 χ^2/NDF: 154462.7/18

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

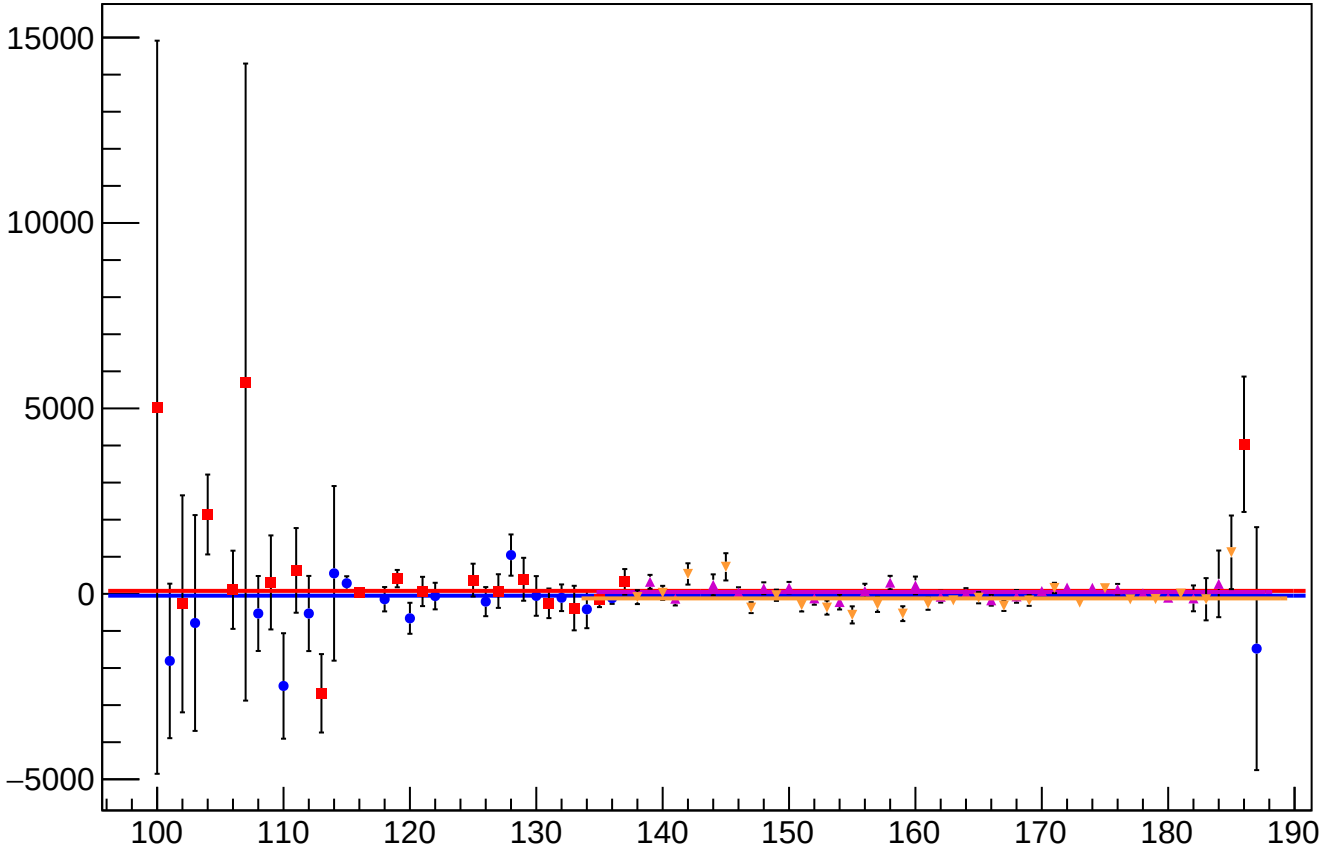
Right: 2316.238+/-0.427 χ^2/NDF: 670543.9/35

In: 2212.684+/-0.310 χ^2/NDF:547024.9/39

Out: 2217.811+/-0.307 χ^2/NDF:201478.1/42

All: 2215.272+/-0.218 χ^2/NDF: 748641.3/82

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -49.061+/-90.885 χ^2/NDF: 14.6/16

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 80.239+/-82.238 χ^2/NDF: 22.1/18

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

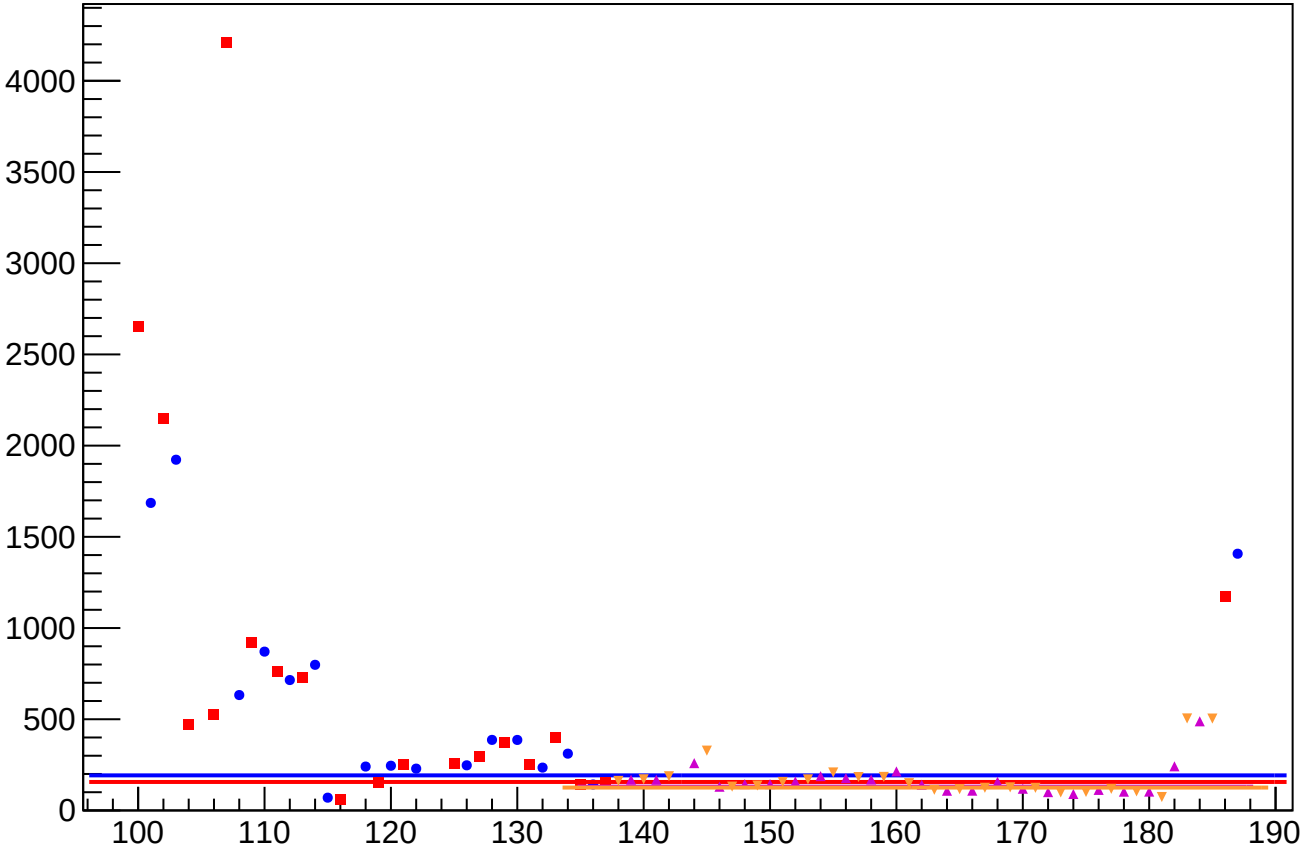
Right: 22.031+/-60.980 χ^2/NDF: 37.8/35

In: 38.925+/-30.642 χ^2/NDF:33.9/39

Out: -97.067+/-29.341 χ^2/NDF:71.2/42

All: -32.020+/-21.192 χ^2/NDF: 115.4/82

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 192.341+/-0.064 χ^2/NDF: 5339063.7/16

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 156.189+/-0.058 χ^2/NDF: 6730098.4/18

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

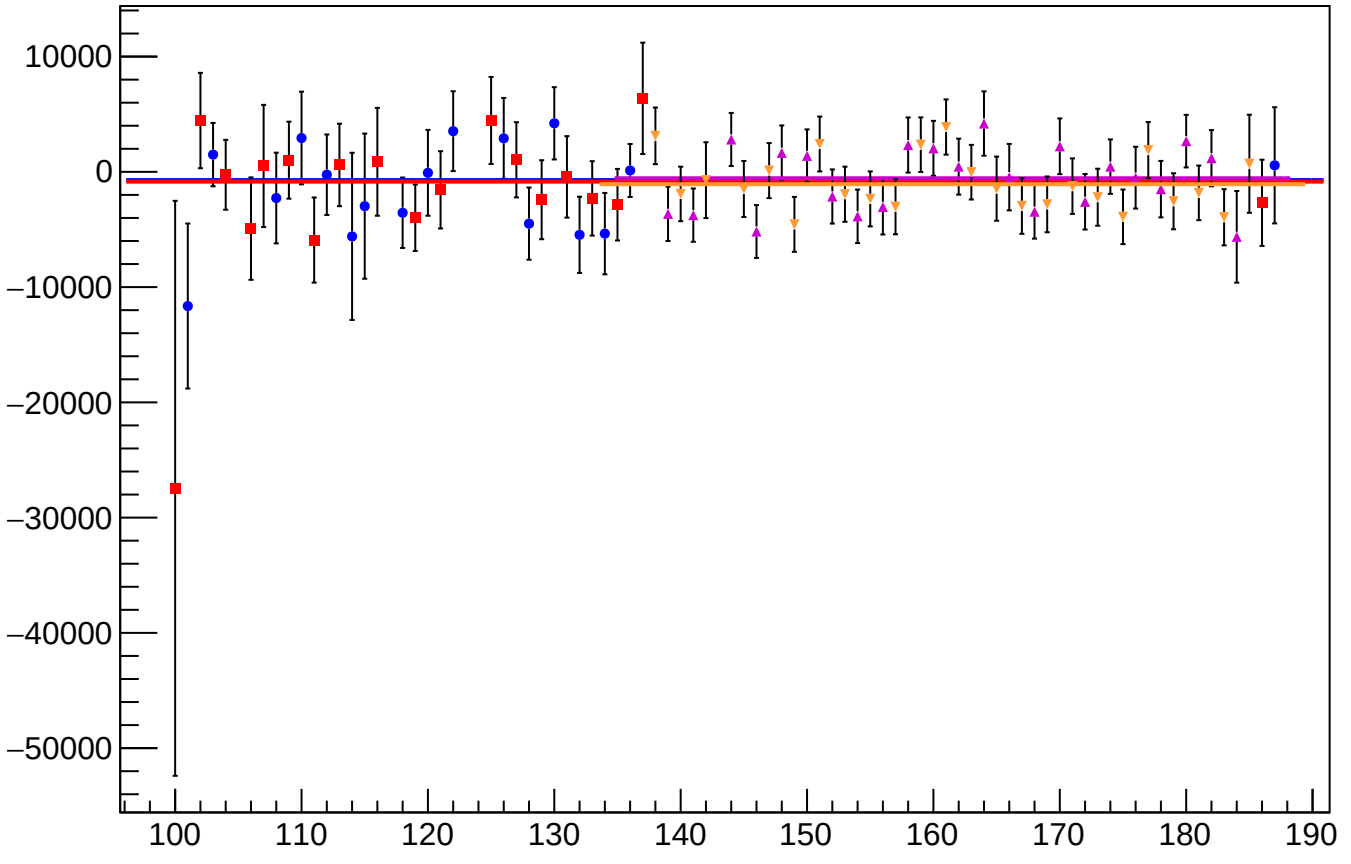
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 172.464+/-0.043 χ^2/NDF: 12243160.9/35

In: 137.486+/-0.022 χ^2/NDF:8840455.4/39

Out: 129.409+/-0.021 χ^2/NDF:10916685.3/42

All: 133.272+/-0.015 χ^2/NDF: 19829645.3/82



Right In: -714.901+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -848.766+/-846.781 χ^2/NDF: 13.1/18

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

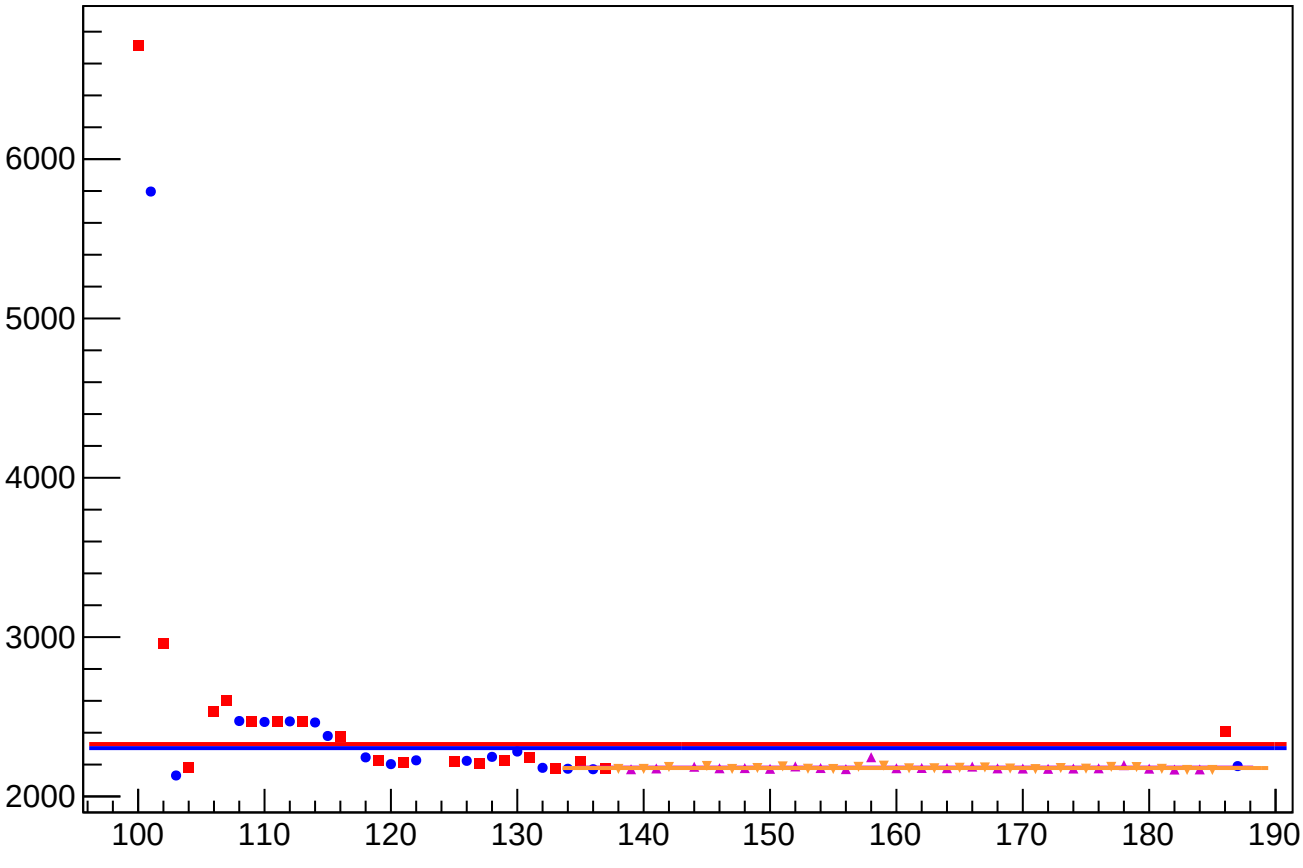
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -782.859+/-603.334 χ^2/NDF: 29.0/35

In: -598.057+/-438.143 χ^2/NDF:44.7/39

Out: -1013.928+/-434.064 χ^2/NDF:34.7/42

All: -807.937+/-308.362 χ^2/NDF: 79.8/82



Right In: 2303.260+/-0.608 χ^2/NDF: 515183.7/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2328.824+/-0.599 χ^2/NDF: 154462.7/18

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

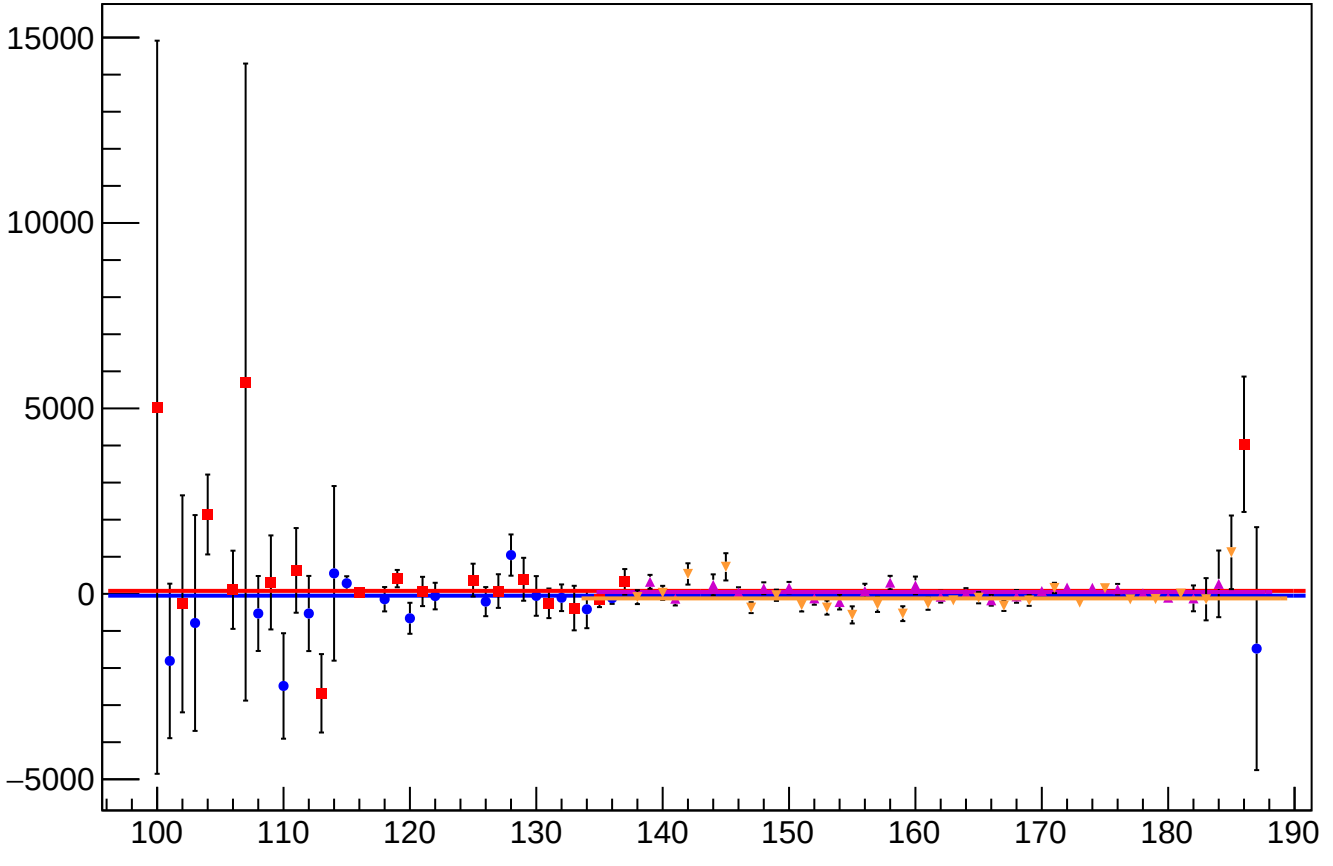
Right: 2316.238+/-0.427 χ^2/NDF: 670543.9/35

In: 2212.684+/-0.310 χ^2/NDF:547024.9/39

Out: 2217.811+/-0.307 χ^2/NDF:201478.1/42

All: 2215.272+/-0.218 χ^2/NDF: 748641.3/82

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -49.061+/-90.885 χ^2/NDF: 14.6/16

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 80.239+/-82.238 χ^2/NDF: 22.1/18

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

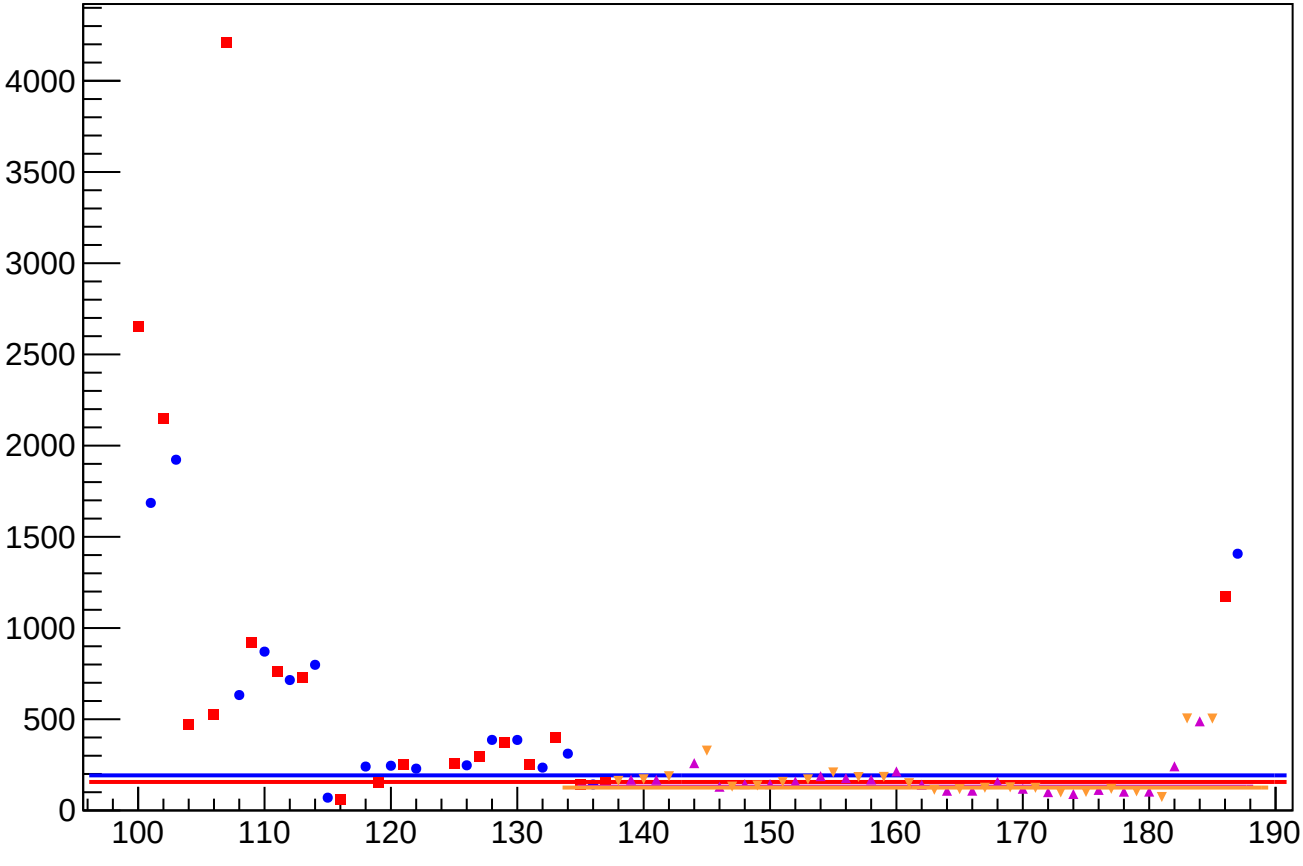
Right: 22.031+/-60.980 χ^2/NDF: 37.8/35

In: 38.925+/-30.642 χ^2/NDF:33.9/39

Out: -97.067+/-29.341 χ^2/NDF:71.2/42

All: -32.020+/-21.192 χ^2/NDF: 115.4/82

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 192.341+/-0.064 χ^2/NDF: 5339063.7/16

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 156.189+/-0.058 χ^2/NDF: 6730098.4/18

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

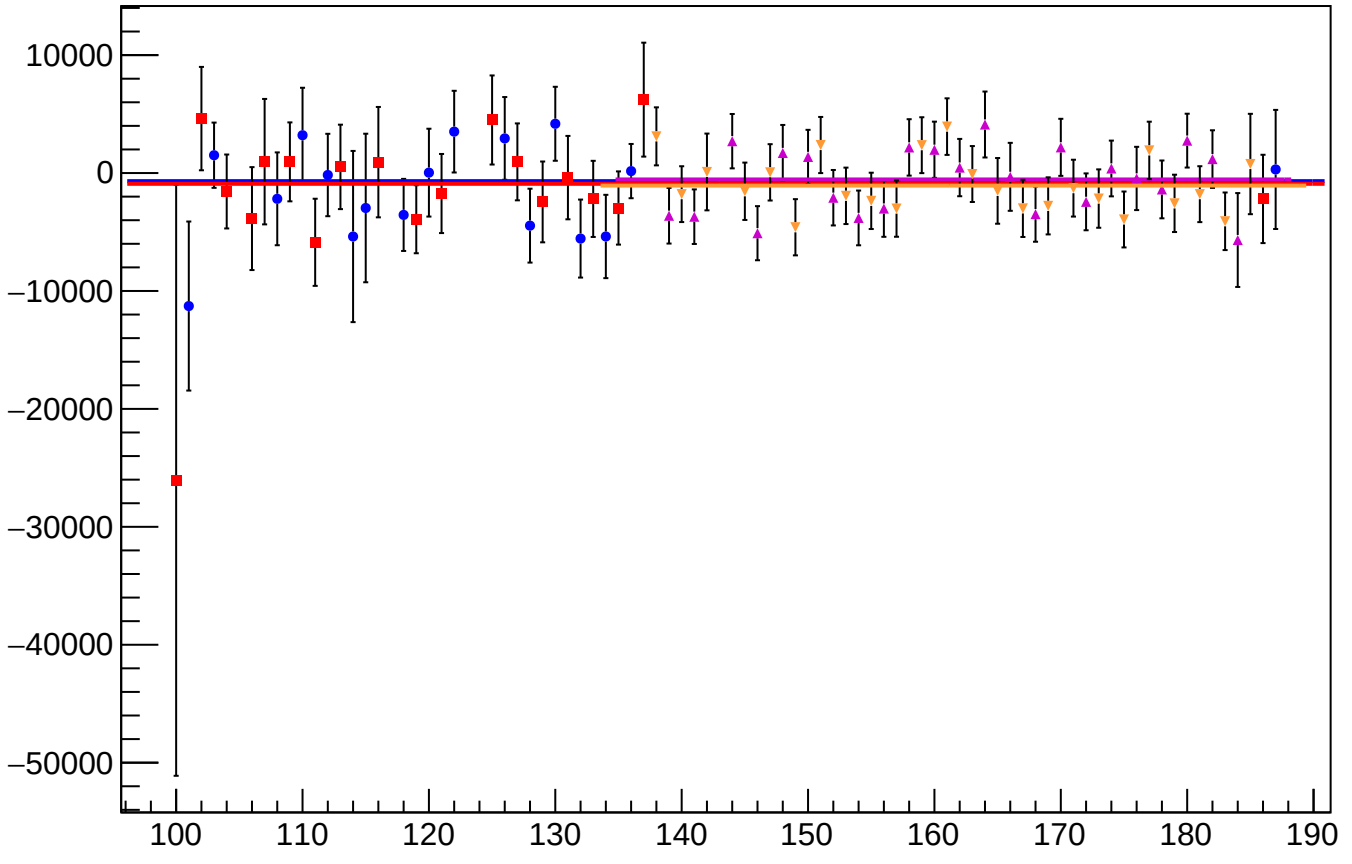
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 172.464+/-0.043 χ^2/NDF: 12243160.9/35

In: 137.486+/-0.022 χ^2/NDF:8840455.4/39

Out: 129.409+/-0.021 χ^2/NDF:10916685.3/42

All: 133.272+/-0.015 χ^2/NDF: 19829645.3/82



Right In: -687.426+/-860.754 χ^2/NDF: 15.9/16

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -912.015+/-850.746 χ^2/NDF: 12.3/18

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

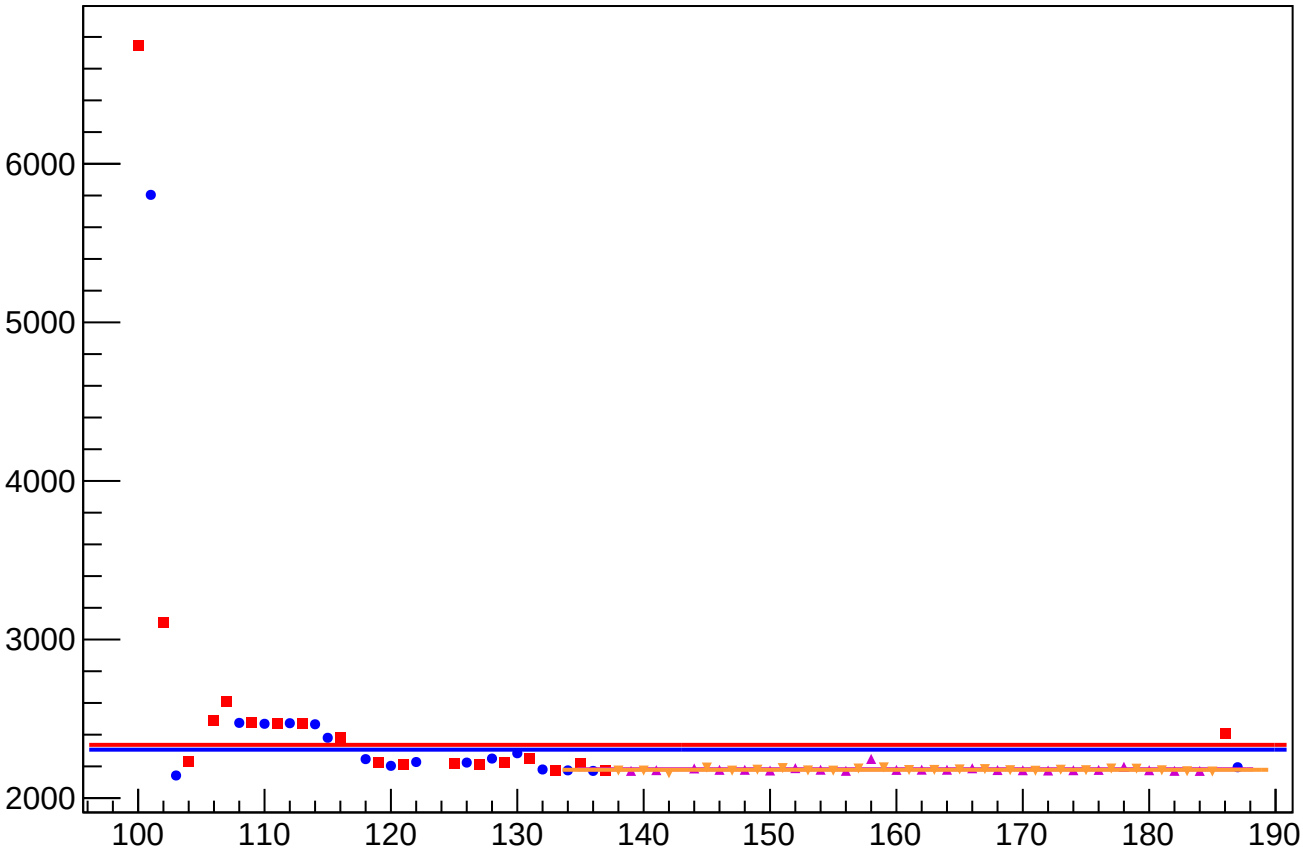
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -801.033+/-605.076 χ^2/NDF: 28.2/35

In: -581.399+/-438.404 χ^2/NDF:43.8/39

Out: -1023.124+/-434.654 χ^2/NDF:34.2/42

All: -804.159+/-308.664 χ^2/NDF: 78.5/82



Right In: 2305.424+/-0.609 χ^2/NDF: 514733.8/16

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2335.835+/-0.602 χ^2/NDF: 168128.4/18

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

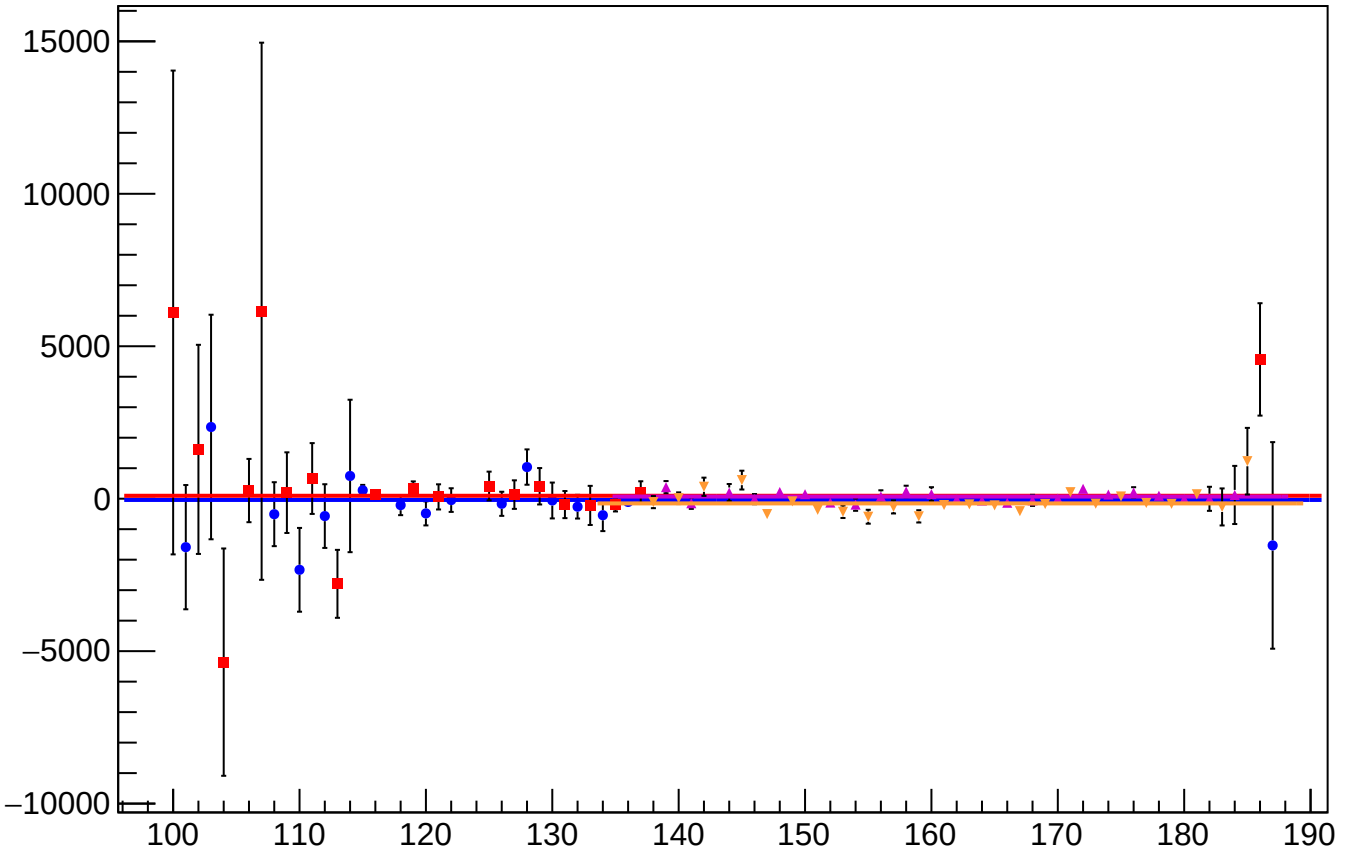
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2320.807+/-0.428 χ^2/NDF: 684125.1/35

In: 2213.931+/-0.310 χ^2/NDF:547084.1/39

Out: 2219.571+/-0.307 χ^2/NDF:219131.2/42

All: 2216.775+/-0.218 χ^2/NDF: 766382.3/82



Right In: -41.229+/-92.375 χ^2/NDF: 14.2/16

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 96.132+/-85.994 χ^2/NDF: 20.9/18

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

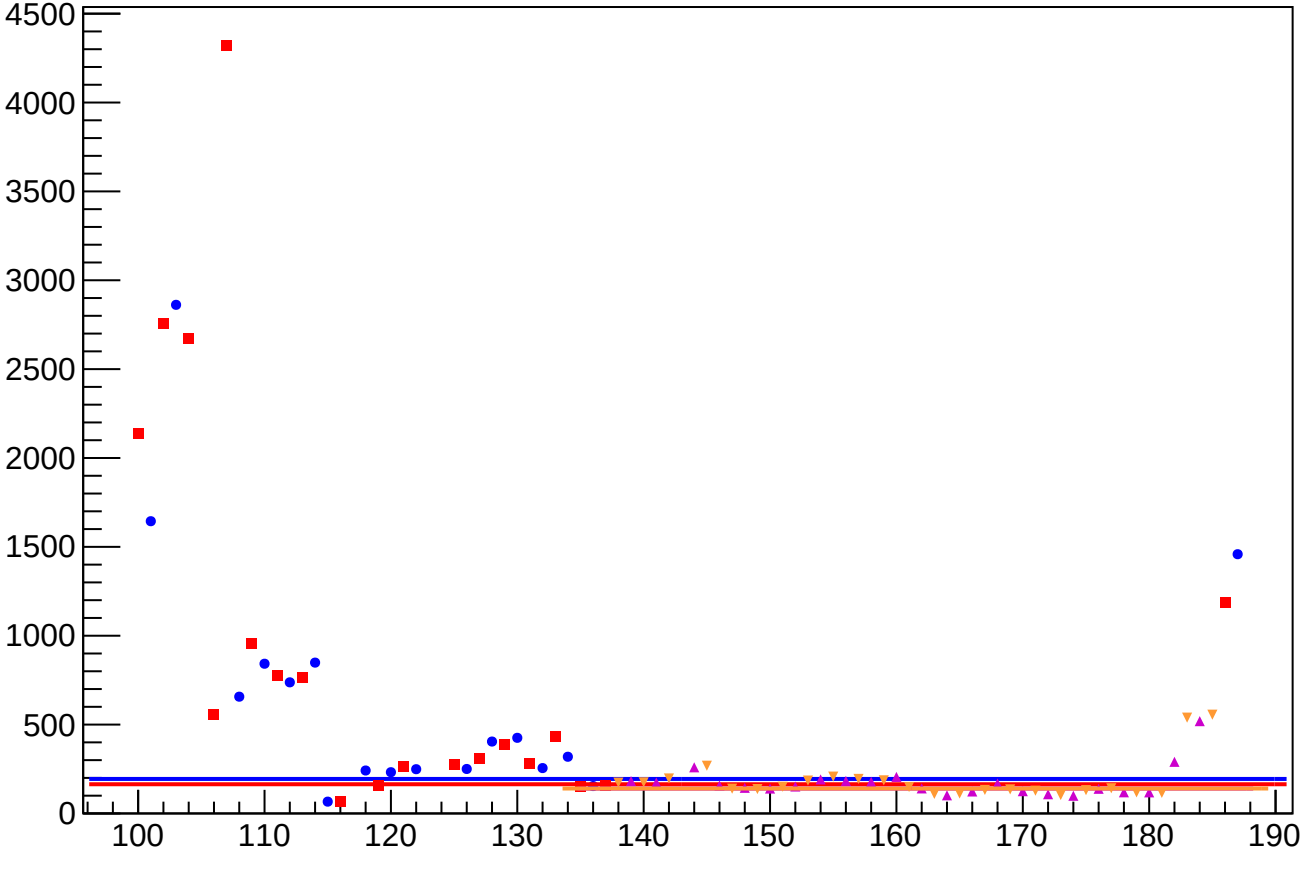
Right: 32.359+/-62.942 χ^2/NDF: 36.3/35

In: 56.713+/-32.076 χ^2/NDF:34.5/39

Out: -120.707+/-31.667 χ^2/NDF:75.5/42

All: -33.135+/-22.535 χ^2/NDF: 125.5/82

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 194.196+/-0.065 χ^2/NDF: 5896689.5/16

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 164.340+/-0.061 χ^2/NDF: 7684773.0/18

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

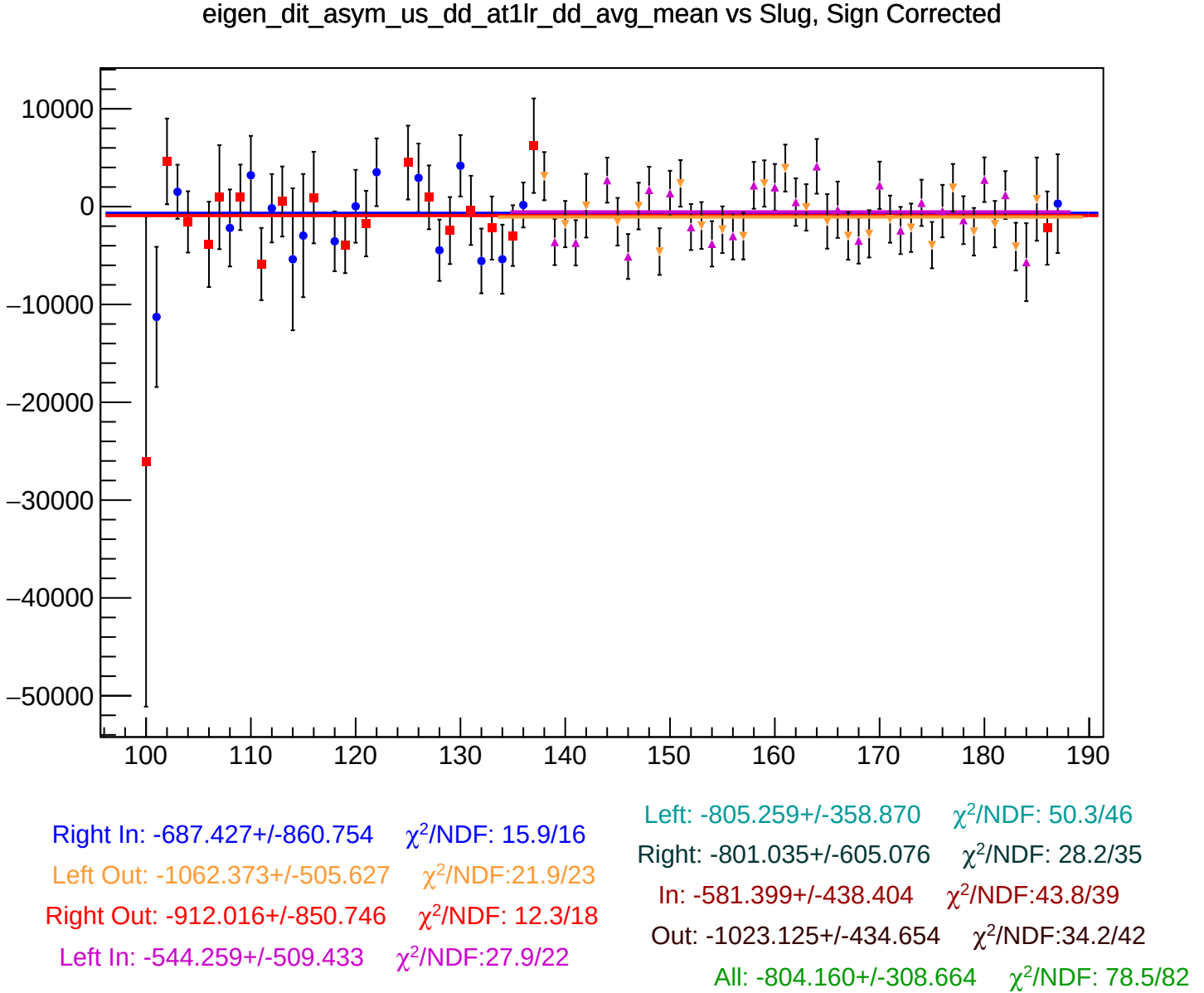
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

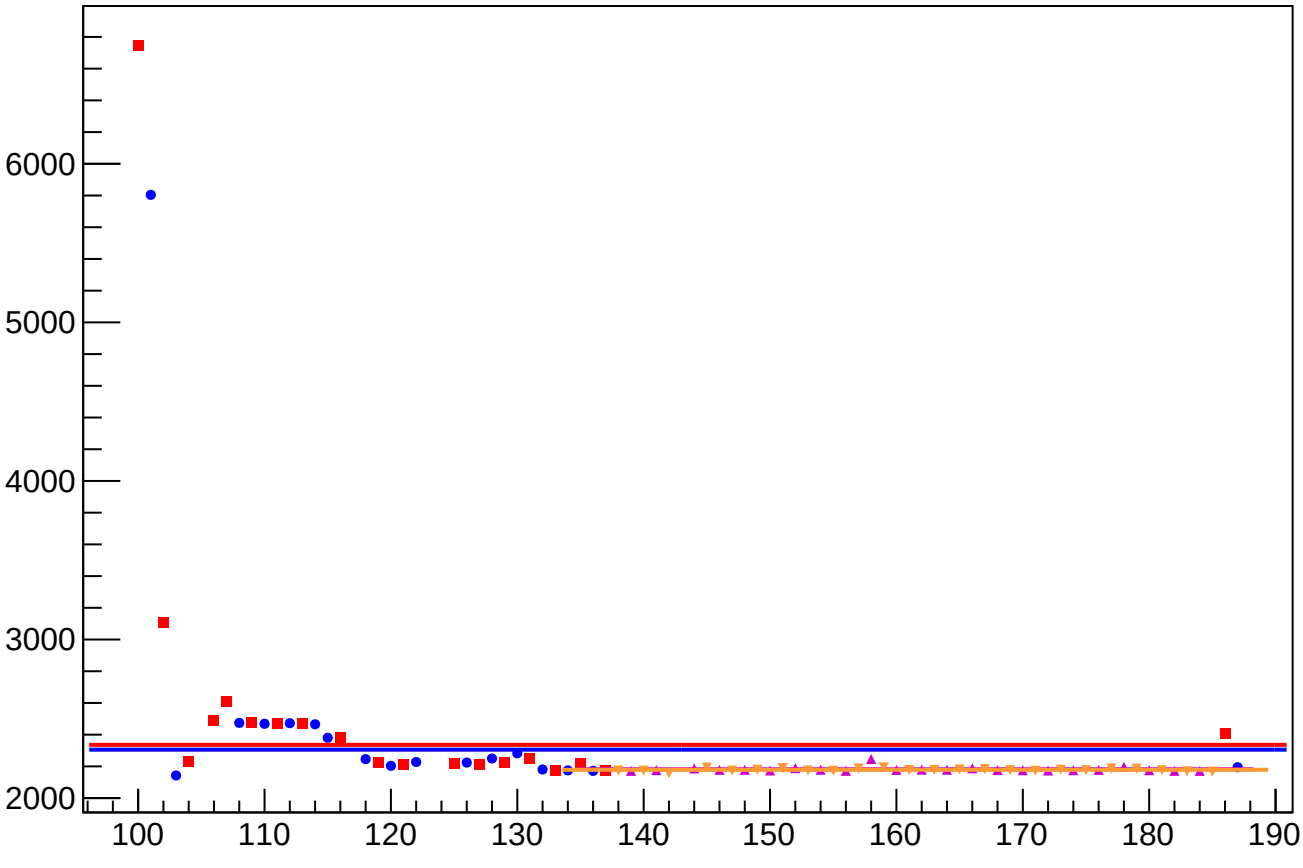
Right: 178.201+/-0.045 χ^2/NDF: 13693391.2/35

In: 146.516+/-0.023 χ^2/NDF:8915047.1/39

Out: 143.576+/-0.022 χ^2/NDF:10579949.3/42

All: 145.027+/-0.016 χ^2/NDF: 19503503.9/82


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -687.427+/-860.754 χ²/NDF: 15.9/16
Left Out: -1062.373+/-505.627 χ²/NDF:21.9/23
Right Out: -912.016+/-850.746 χ²/NDF: 12.3/18
Left In: -544.259+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -801.035+/-605.076 χ²/NDF: 28.2/35
In: -581.399+/-438.404 χ²/NDF:43.8/39
Out: -1023.125+/-434.654 χ²/NDF:34.2/42
All: -804.160+/-308.664 χ²/NDF: 78.5/82



Right In: 2305.424+/-0.609 χ^2/NDF: 514733.8/16

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2335.835+/-0.602 χ^2/NDF: 168128.3/18

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

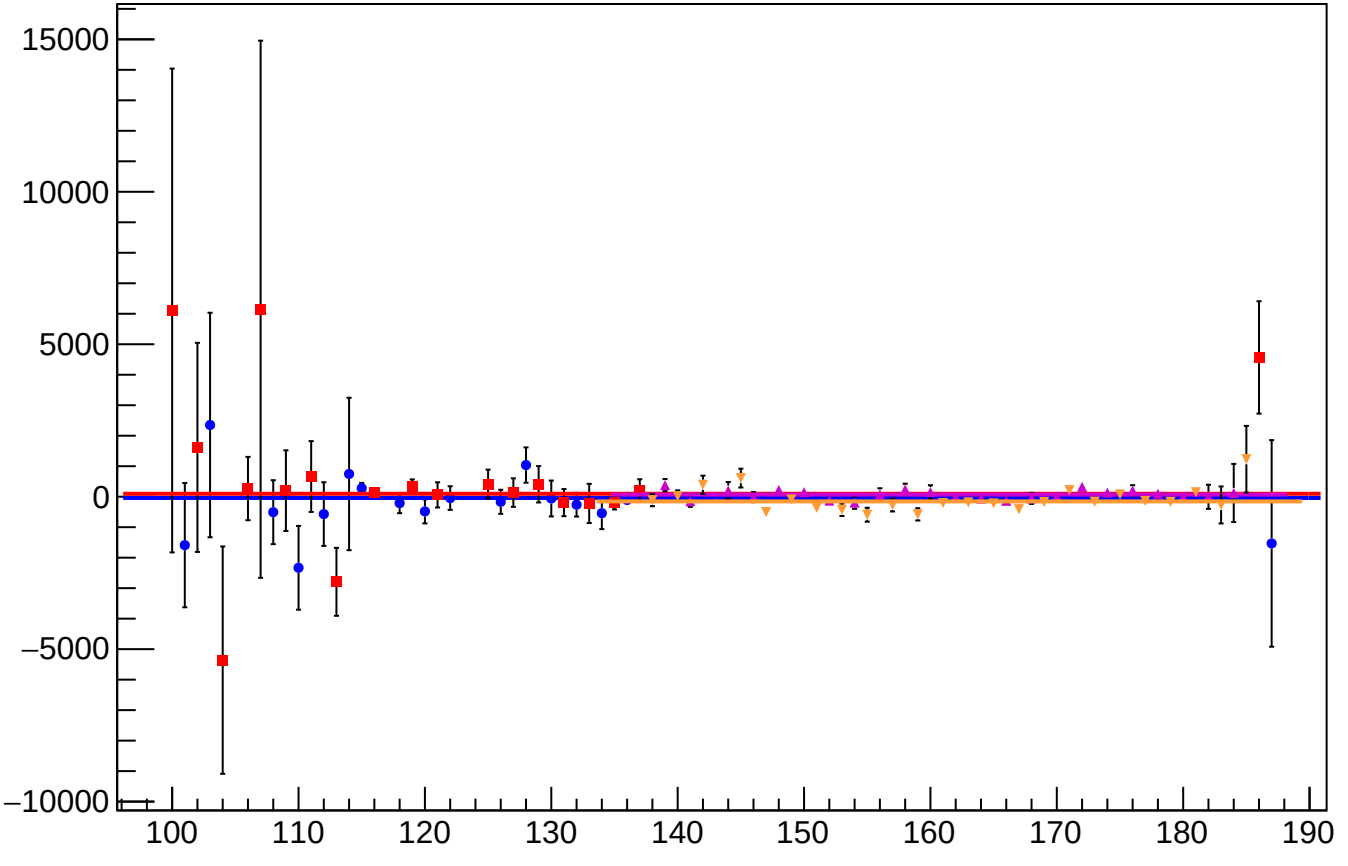
Right: 2320.807+/-0.428 χ^2/NDF: 684125.0/35

In: 2213.931+/-0.310 χ^2/NDF:547084.1/39

Out: 2219.571+/-0.307 χ^2/NDF:219131.1/42

All: 2216.775+/-0.218 χ^2/NDF: 766382.1/82

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -41.226+/-92.374 χ^2/NDF: 14.2/16

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 96.133+/-85.993 χ^2/NDF: 20.9/18

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

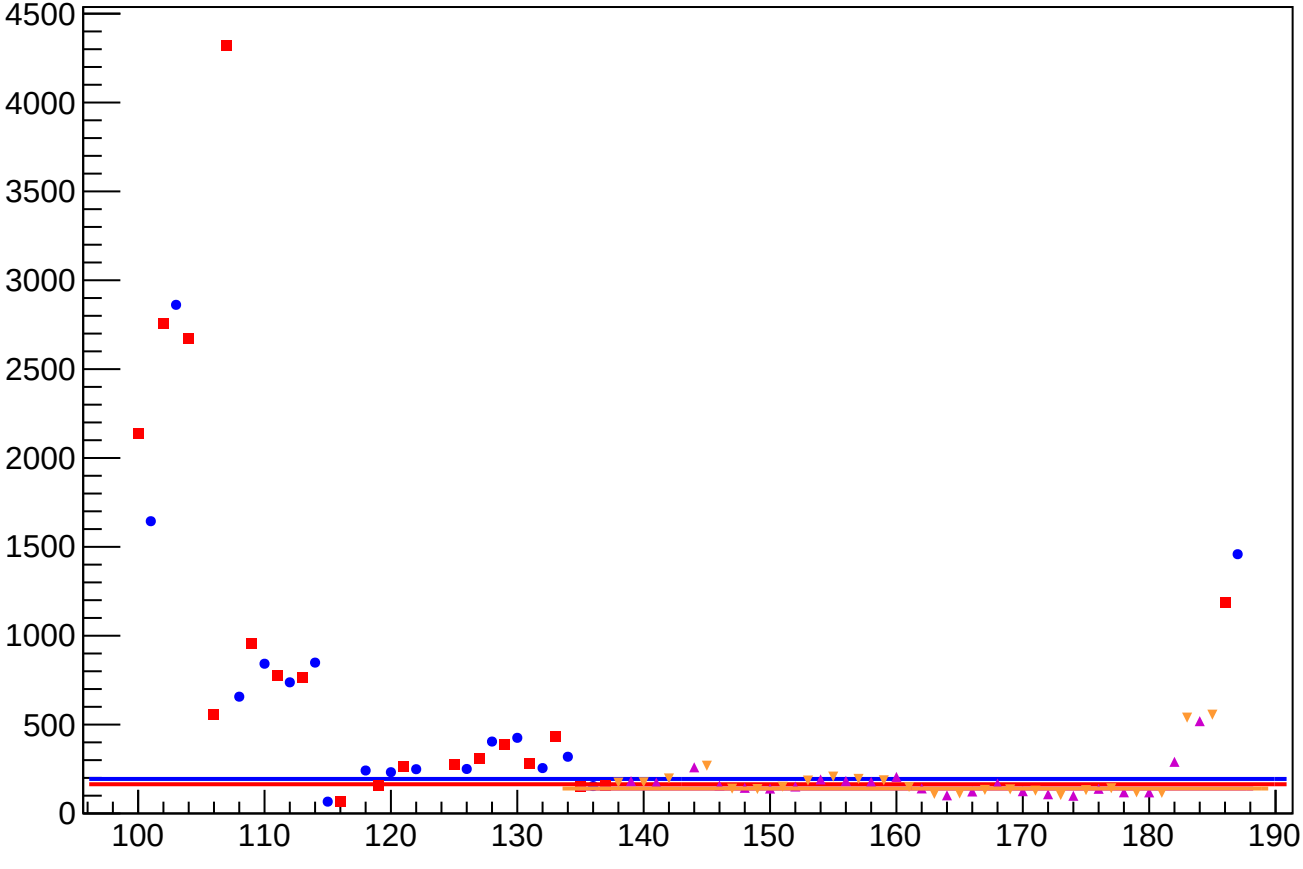
Right: 32.361+/-62.941 χ^2/NDF: 36.3/35

In: 56.712+/-32.076 χ^2/NDF:34.5/39

Out: -120.708+/-31.667 χ^2/NDF:75.5/42

All: -33.136+/-22.535 χ^2/NDF: 125.5/82

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 194.194+/-0.065 χ^2/NDF: 5896727.6/16

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 164.337+/-0.061 χ^2/NDF: 7684834.7/18

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

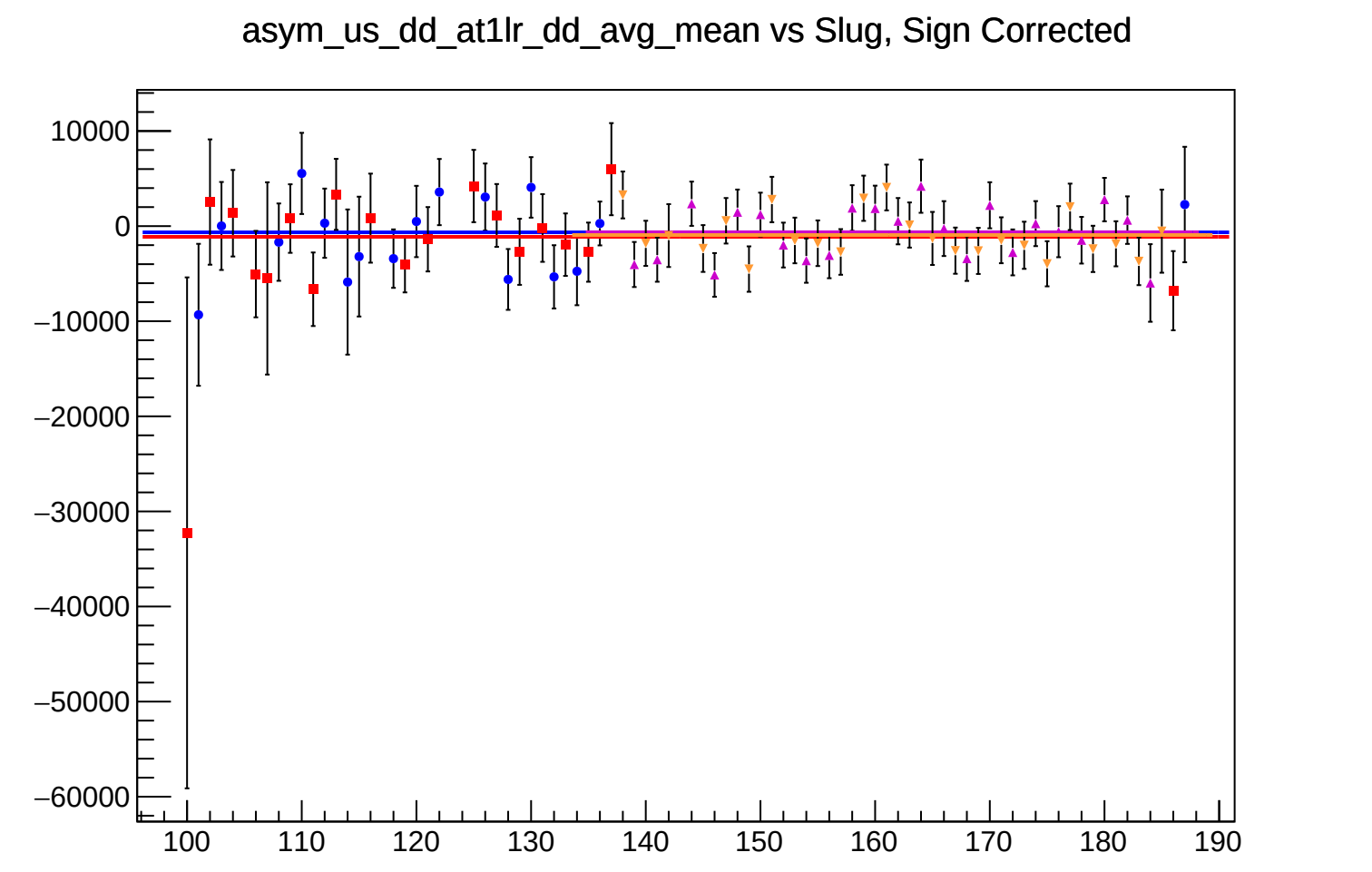
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 178.199+/-0.045 χ^2/NDF: 13693493.1/35

In: 146.516+/-0.023 χ^2/NDF:8915093.9/39

Out: 143.576+/-0.022 χ^2/NDF:10579979.5/42

All: 145.027+/-0.016 χ^2/NDF: 19503580.5/82



Right In: -652.988+/-905.969 χ^2/NDF: 16.0/16

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1126.432+/-906.446 χ^2/NDF: 14.9/18

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

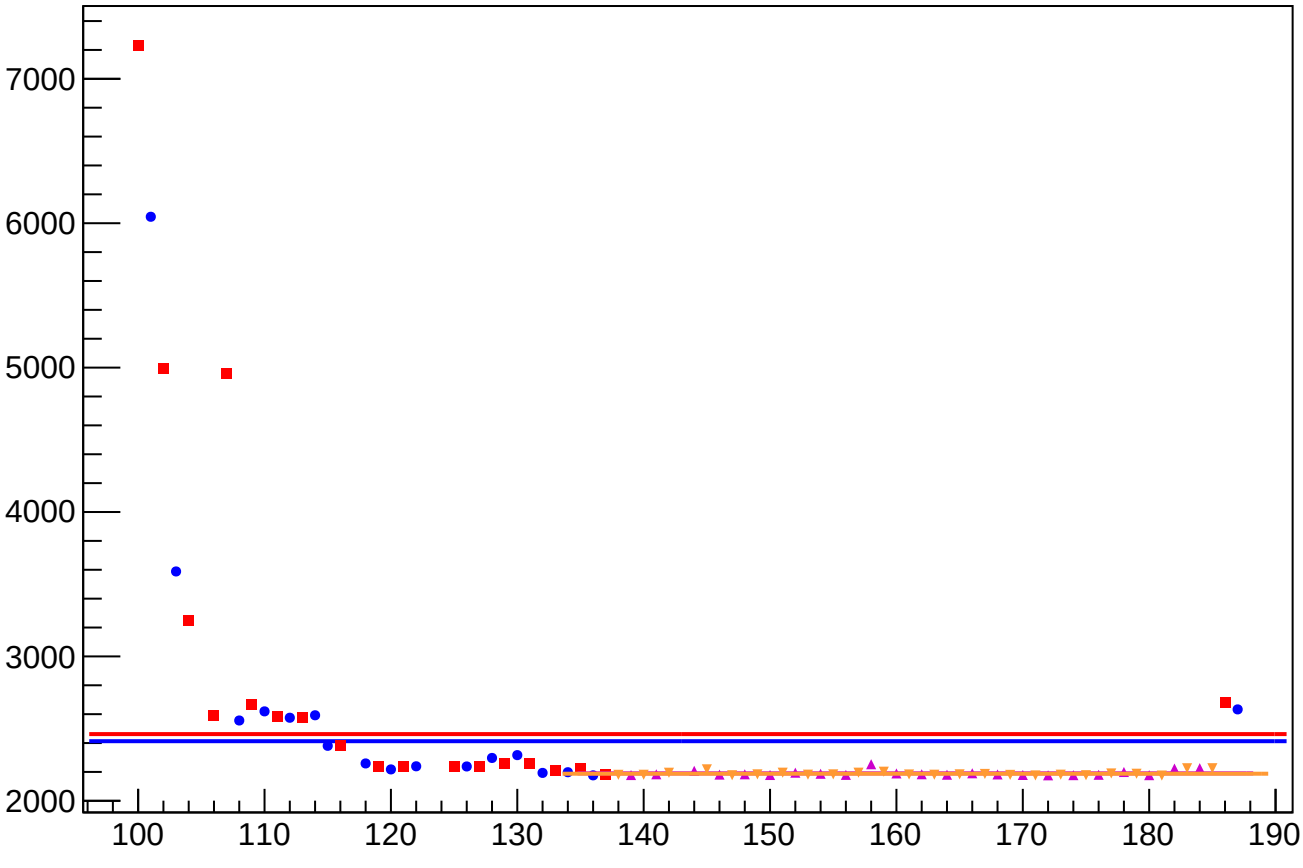
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -889.585+/-640.786 χ^2/NDF: 31.0/35

In: -645.241+/-445.328 χ^2/NDF:43.0/39

Out: -978.434+/-442.964 χ^2/NDF:37.3/42

All: -812.724+/-314.055 χ^2/NDF: 80.6/82



Right In: 2412.811+/-0.641 χ^2/NDF: 679583.3/16

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2462.004+/-0.641 χ^2/NDF: 639327.5/18

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

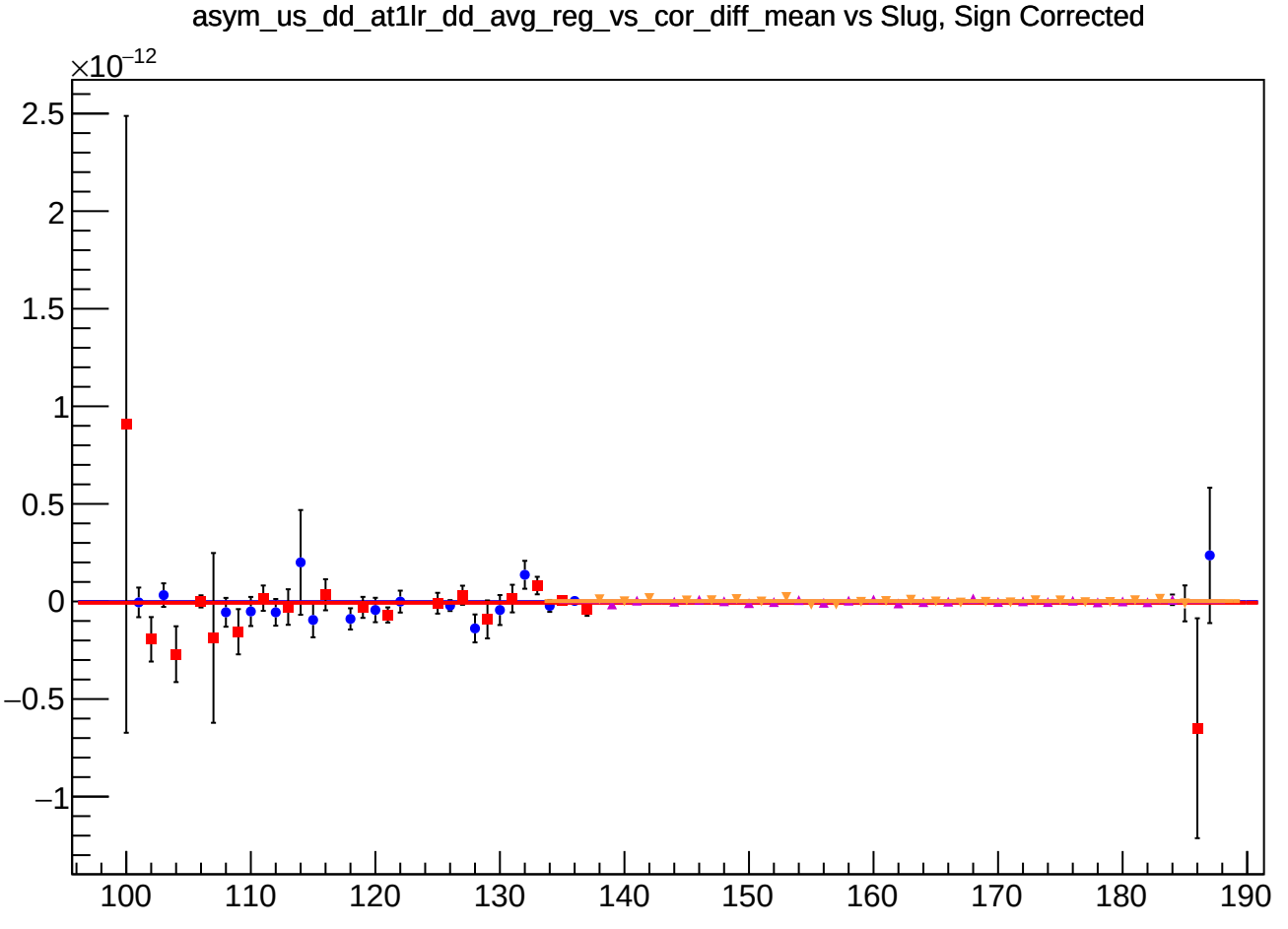
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2437.394+/-0.453 χ^2/NDF: 1321857.6/35

In: 2243.959+/-0.315 χ^2/NDF:773732.5/39

Out: 2253.146+/-0.313 χ^2/NDF:780164.5/42

All: 2248.577+/-0.222 χ^2/NDF: 1554324.8/82



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

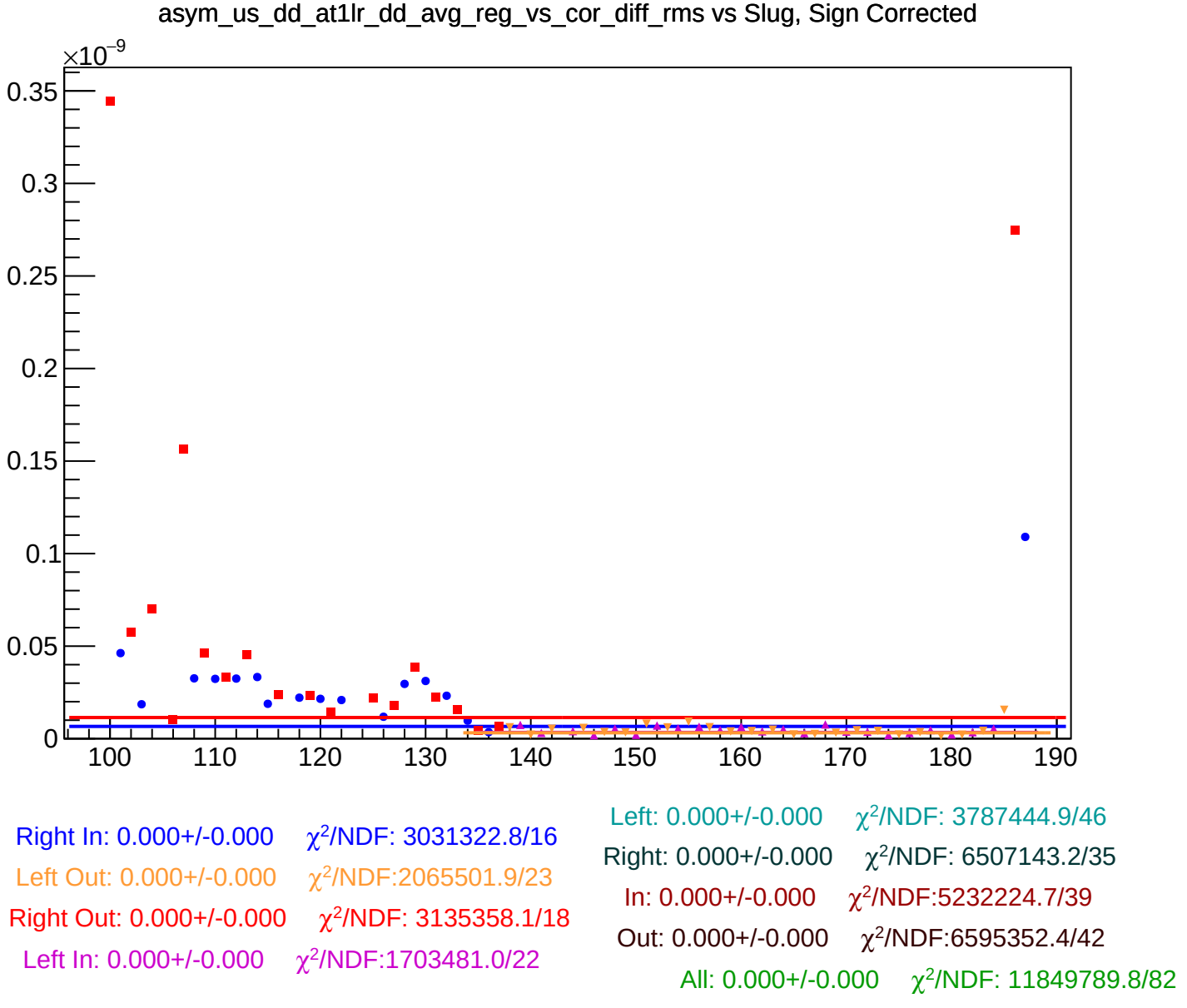
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 36.3/35

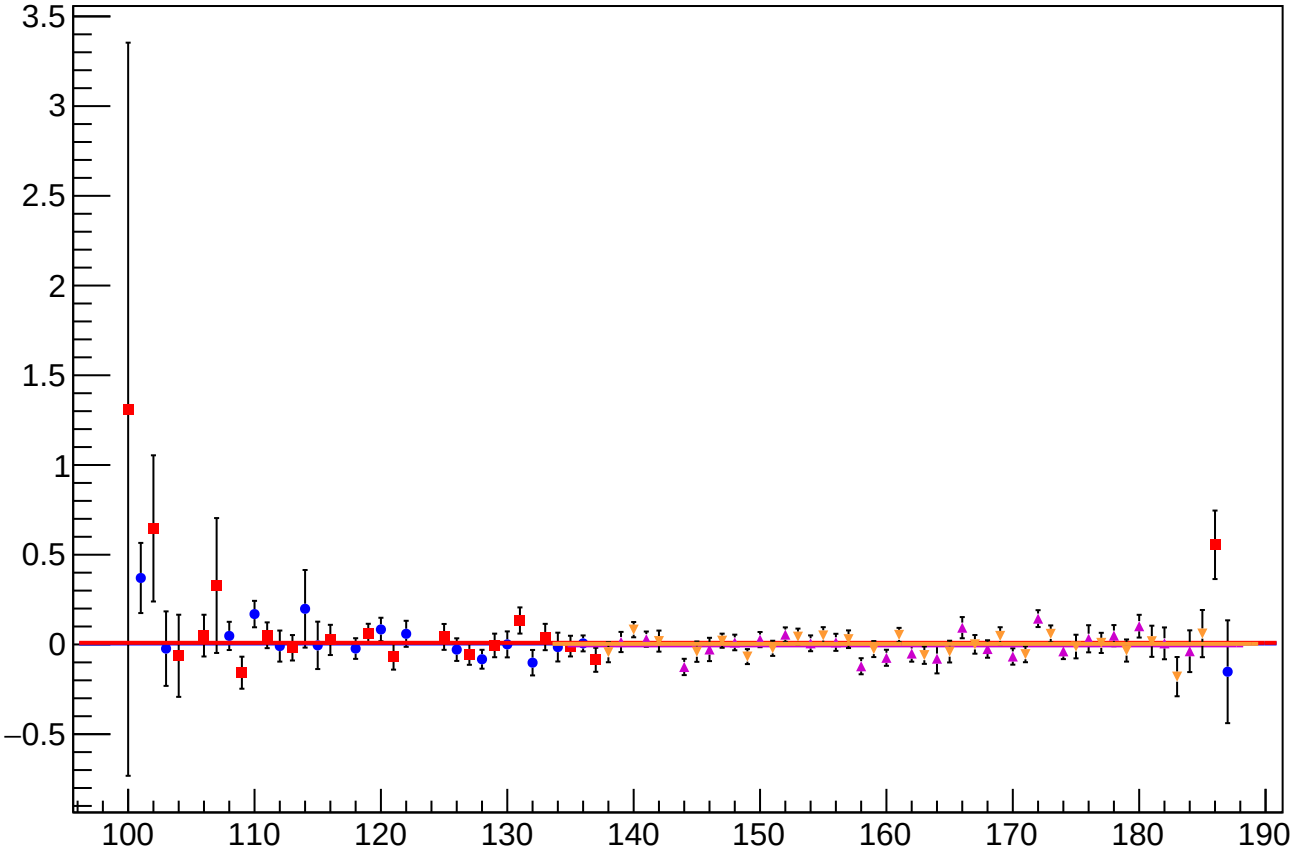
In: -0.000+/-0.000 χ^2/NDF:29.6/39

Out: 0.000+/-0.000 χ^2/NDF:40.4/42

All: 0.000+/-0.000 χ^2/NDF: 70.9/82


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3031322.8/16
Left Out: 0.000+/-0.000 χ²/NDF:2065501.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 3135358.1/18
Left In: 0.000+/-0.000 χ²/NDF:1703481.0/22
Left: 0.000+/-0.000 χ²/NDF: 3787444.9/46
Right: 0.000+/-0.000 χ²/NDF: 6507143.2/35
In: 0.000+/-0.000 χ²/NDF:5232224.7/39
Out: 0.000+/-0.000 χ²/NDF:6595352.4/42
All: 0.000+/-0.000 χ²/NDF: 11849789.8/82

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/18

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

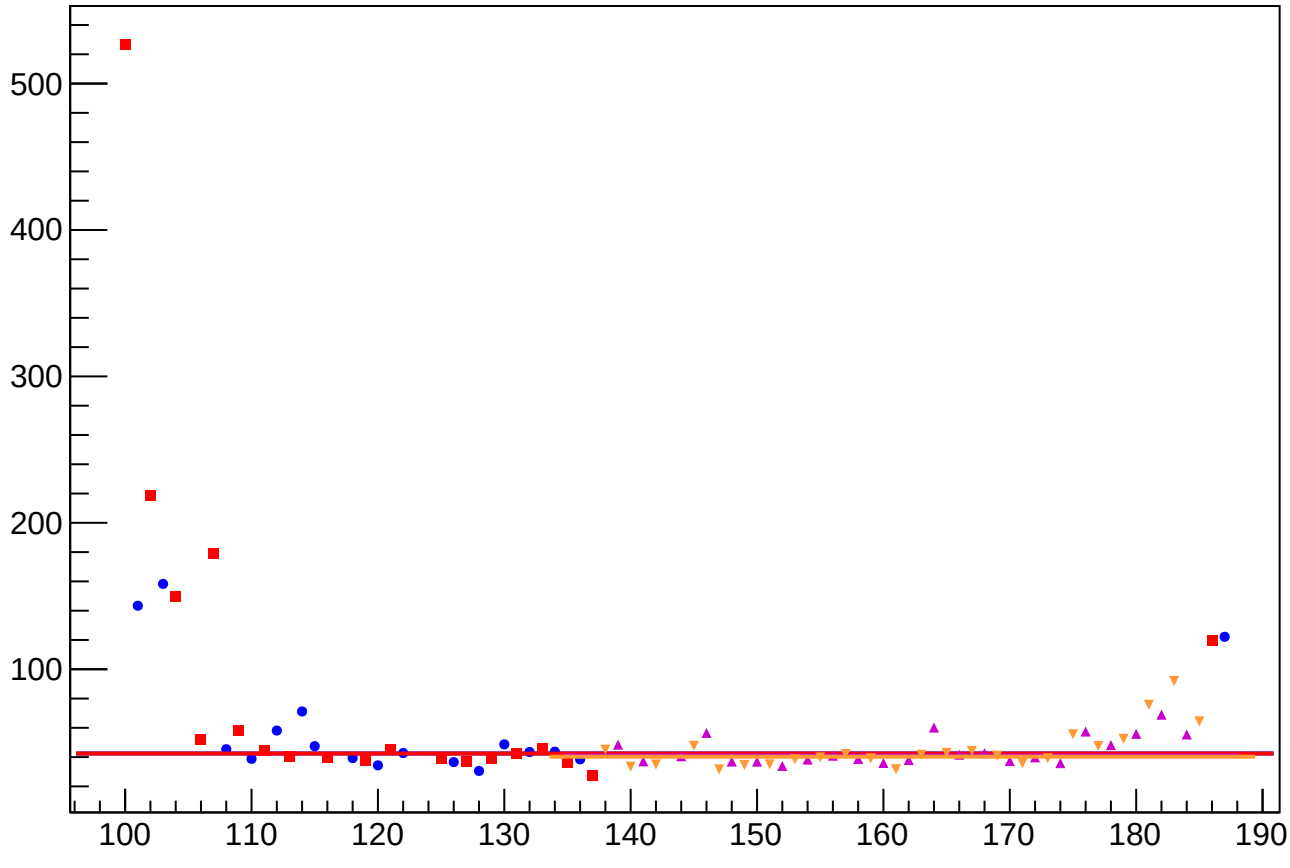
Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

Right: 0.007+/-0.013 χ^2/NDF: 42.1/35

In: -0.003+/-0.009 χ^2/NDF:59.2/39

Out: 0.005+/-0.009 χ^2/NDF:46.5/42

All: 0.001+/-0.006 χ^2/NDF: 106.0/82



Right In: 42.489+/-0.013 χ^2/NDF: 1609709.8/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 42.425+/-0.013 χ^2/NDF: 1772906.5/18

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

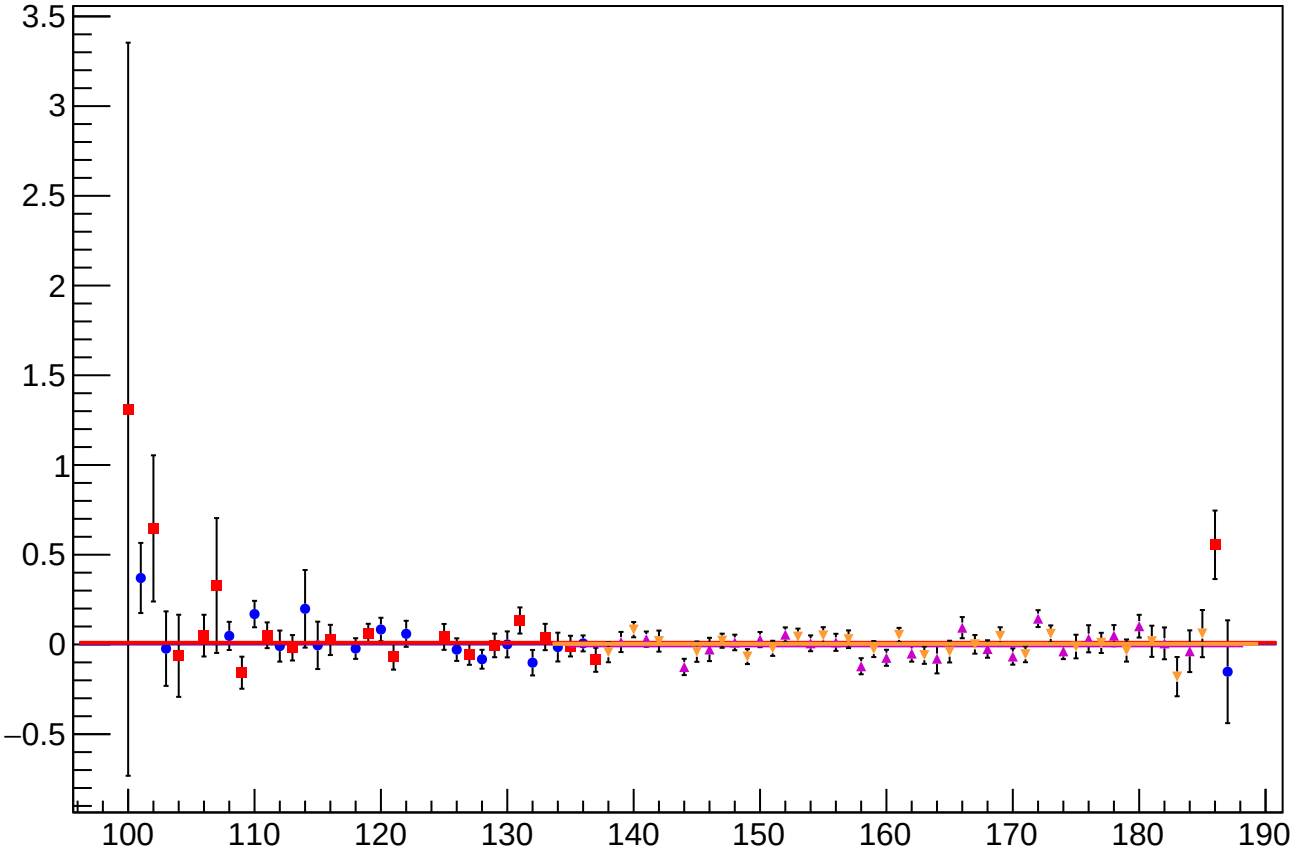
Right: 42.458+/-0.009 χ^2/NDF: 3382628.3/35

In: 41.436+/-0.006 χ^2/NDF:2545476.0/39

Out: 40.791+/-0.006 χ^2/NDF:3282497.3/42

All: 41.110+/-0.005 χ^2/NDF: 5833012.2/82

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/18

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

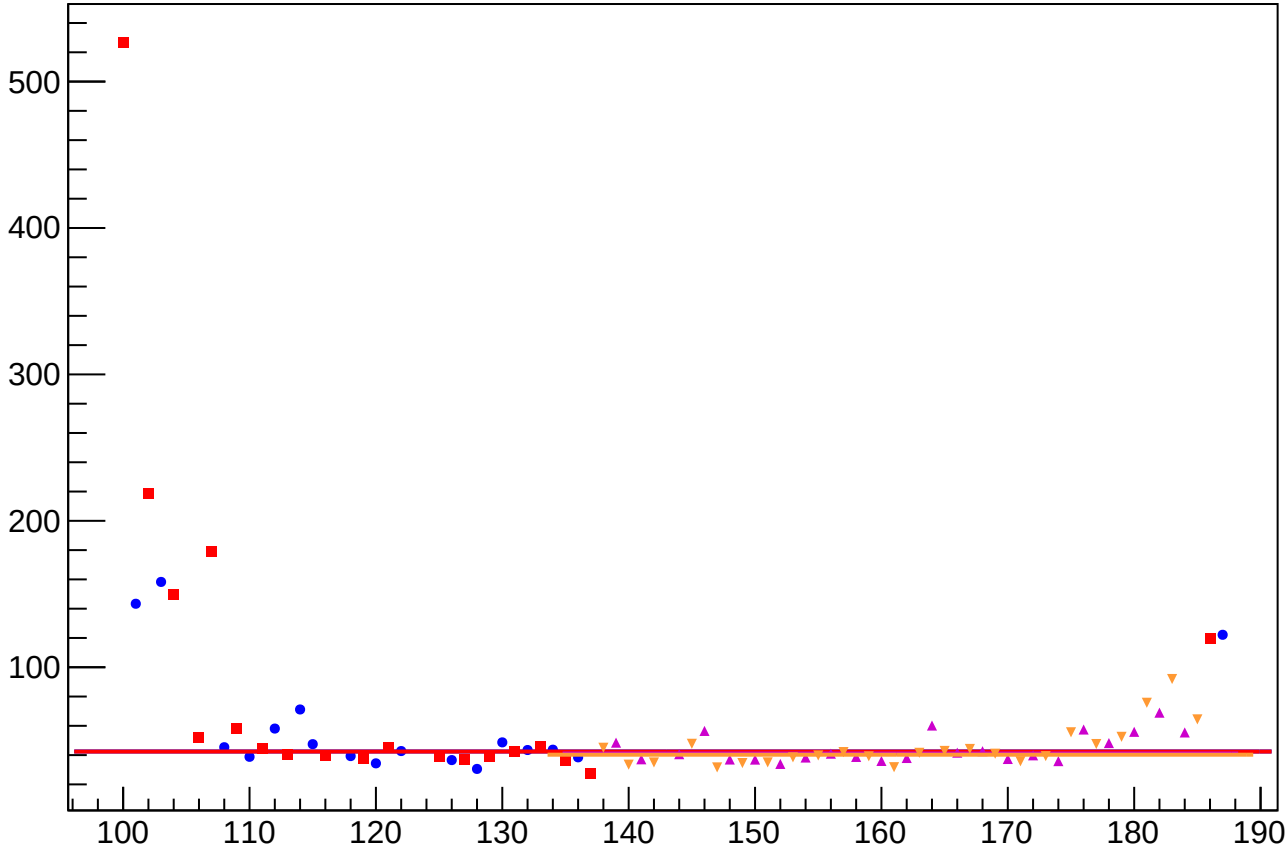
Right: 0.007+/-0.013 χ^2/NDF: 42.1/35

In: -0.003+/-0.009 χ^2/NDF:59.2/39

Out: 0.005+/-0.009 χ^2/NDF:46.5/42

All: 0.001+/-0.006 χ^2/NDF: 106.0/82

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.489+/-0.013 χ^2/NDF: 1609709.8/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 42.425+/-0.013 χ^2/NDF: 1772906.5/18

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

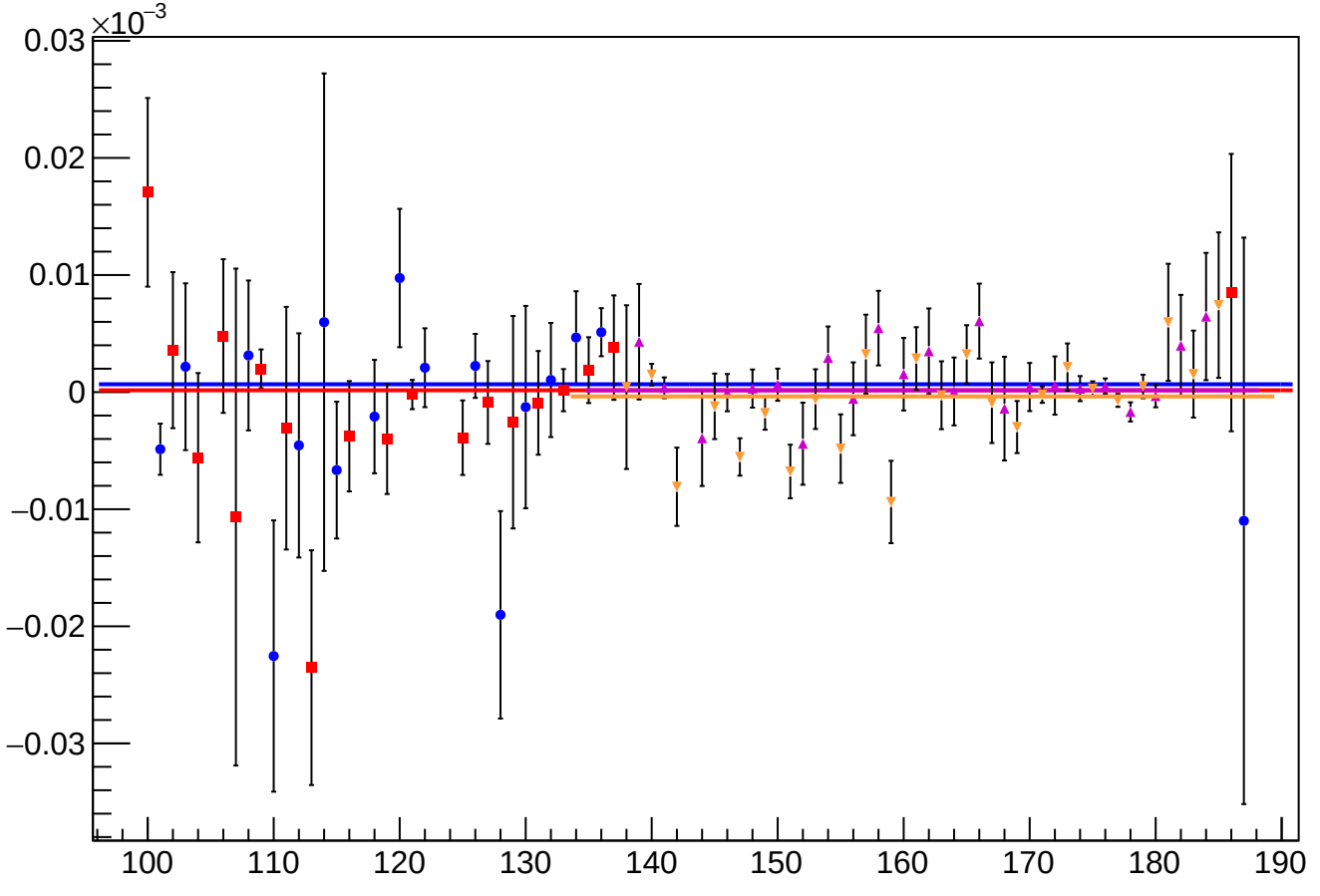
Right: 42.458+/-0.009 χ^2/NDF: 3382628.3/35

In: 41.436+/-0.006 χ^2/NDF:2545476.0/39

Out: 40.791+/-0.006 χ^2/NDF:3282497.3/42

All: 41.110+/-0.005 χ^2/NDF: 5833012.2/82

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

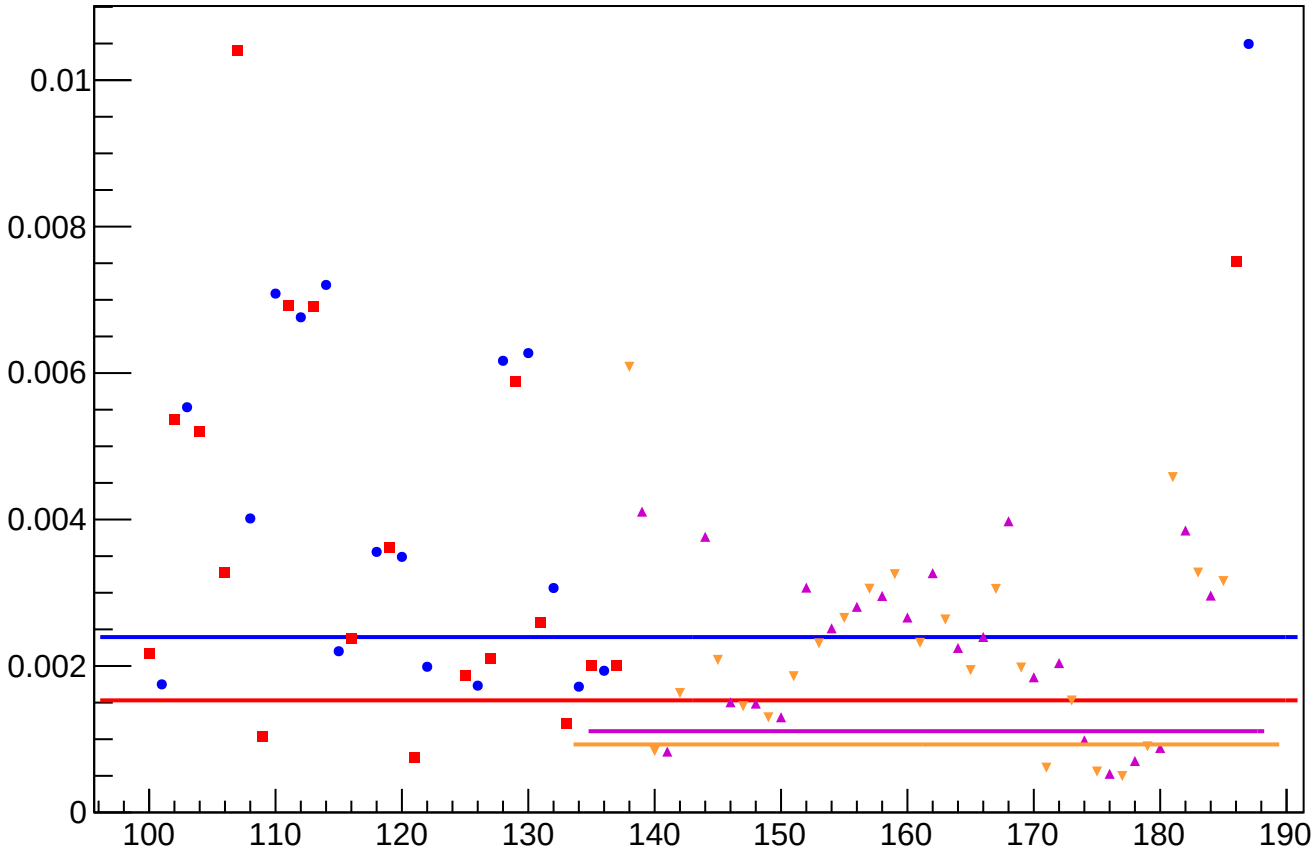
Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

Right: 0.000+/-0.000 χ^2/NDF: 44.8/35

In: 0.000+/-0.000 χ^2/NDF:46.8/39

Out: -0.000+/-0.000 χ^2/NDF:69.6/42

All: -0.000+/-0.000 χ^2/NDF: 118.0/82



Right In: 0.002+/-0.000 χ^2/NDF: 3057124.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 5514851.8/18

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

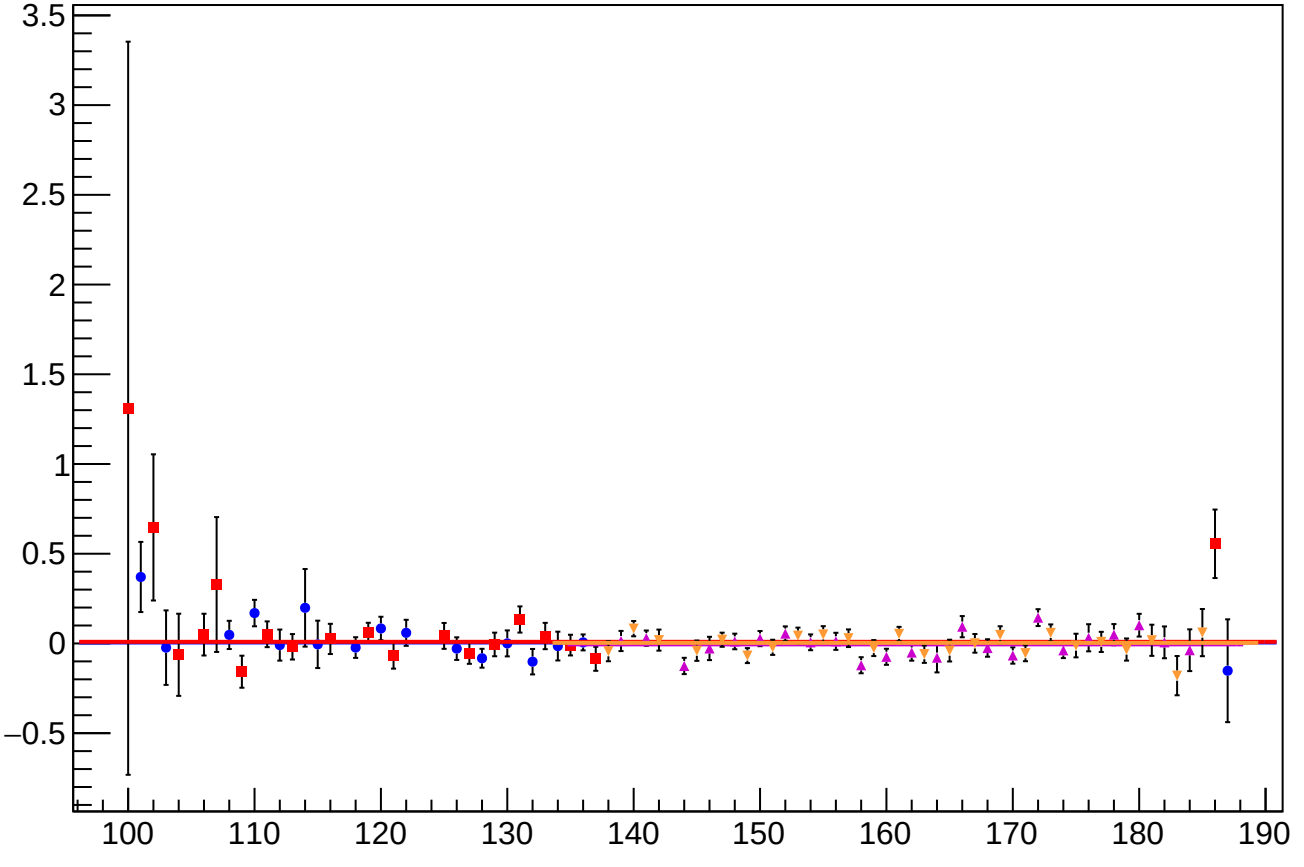
Right: 0.002+/-0.000 χ^2/NDF: 9534747.6/35

In: 0.001+/-0.000 χ^2/NDF:16895707.1/39

Out: 0.001+/-0.000 χ^2/NDF:19299889.0/42

All: 0.001+/-0.000 χ^2/NDF: 36787645.2/82

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.019 χ^2/NDF: 24.5/18

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

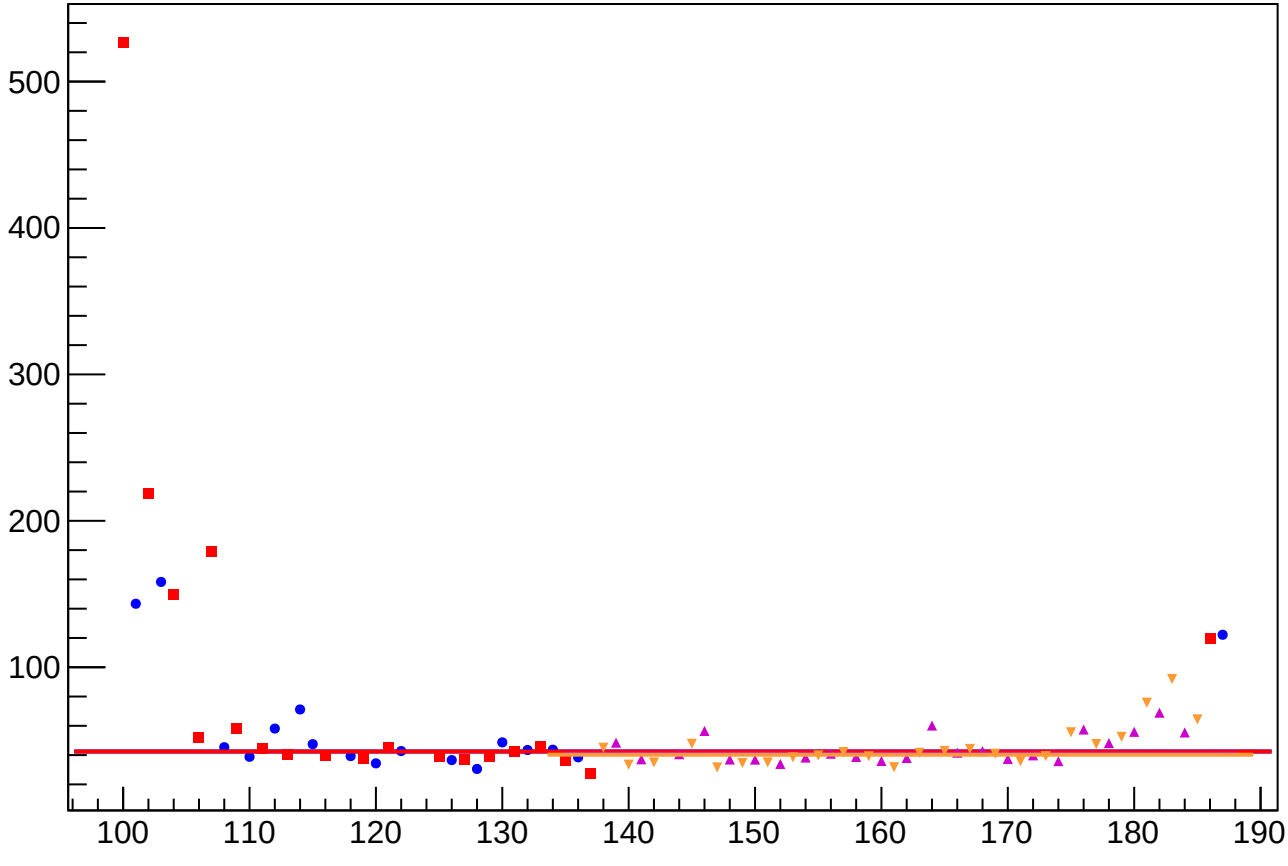
Right: 0.007+/-0.013 χ^2/NDF: 42.1/35

In: -0.003+/-0.009 χ^2/NDF:59.2/39

Out: 0.005+/-0.009 χ^2/NDF:46.5/42

All: 0.001+/-0.006 χ^2/NDF: 106.0/82

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.487+/-0.013 χ^2/NDF: 1609944.5/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 42.426+/-0.013 χ^2/NDF: 1772894.7/18

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

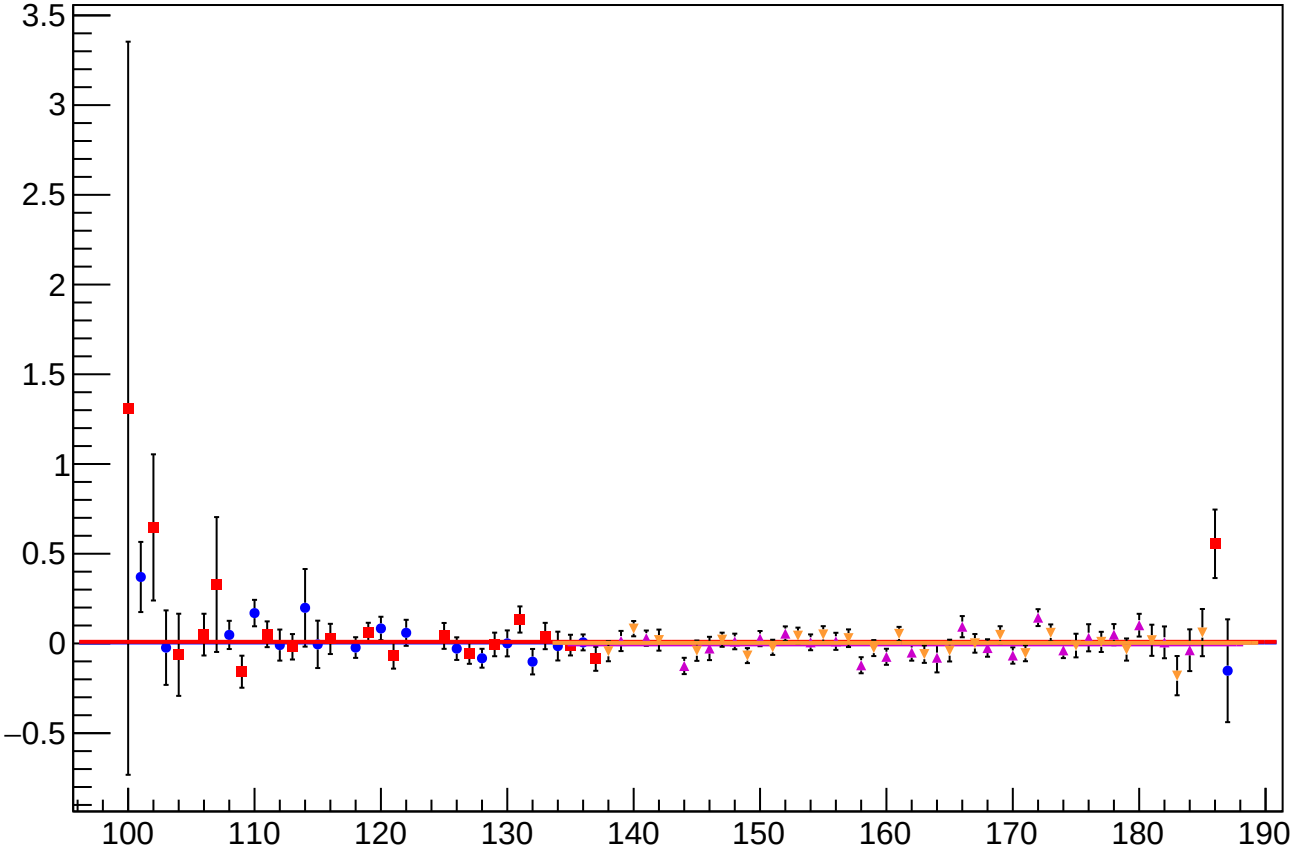
Right: 42.457+/-0.009 χ^2/NDF: 3382850.1/35

In: 41.436+/-0.006 χ^2/NDF:2545718.9/39

Out: 40.791+/-0.006 χ^2/NDF:3282476.1/42

All: 41.110+/-0.005 χ^2/NDF: 5833221.8/82

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.019 χ^2/NDF: 24.5/18

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

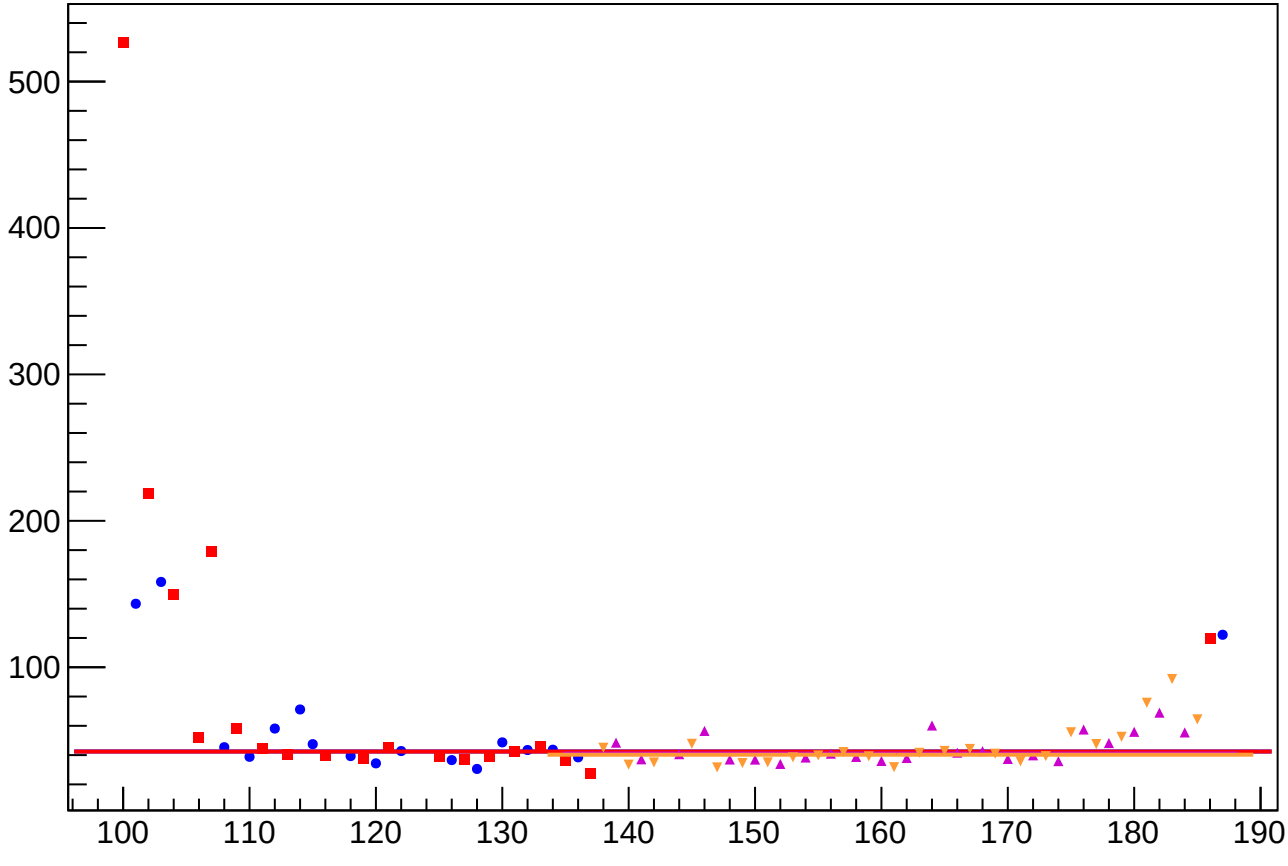
Right: 0.007+/-0.013 χ^2/NDF: 42.1/35

In: -0.003+/-0.009 χ^2/NDF:59.2/39

Out: 0.005+/-0.009 χ^2/NDF:46.5/42

All: 0.001+/-0.006 χ^2/NDF: 106.0/82

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.487+/-0.013 χ^2/NDF: 1609944.5/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 42.426+/-0.013 χ^2/NDF: 1772894.7/18

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

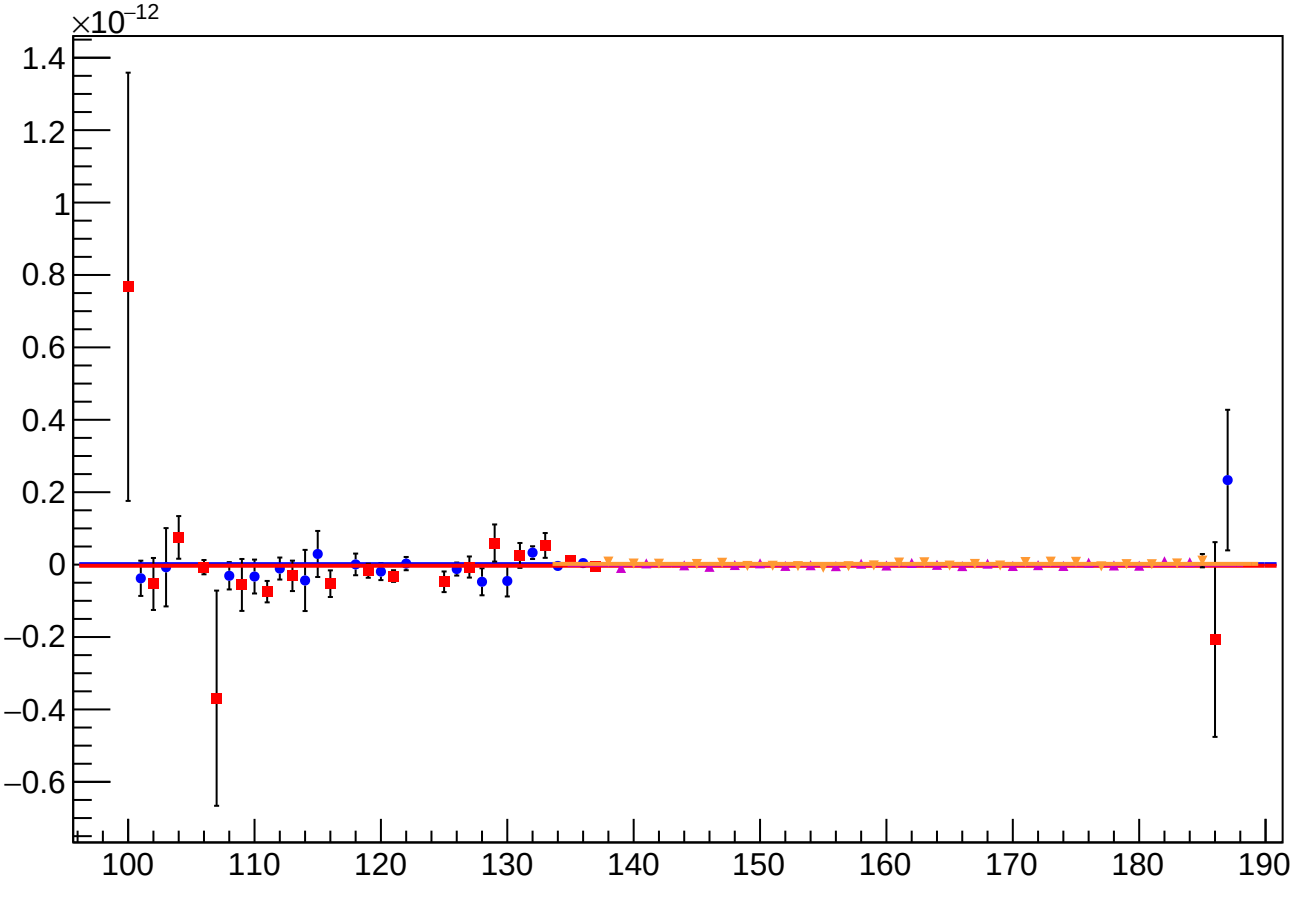
Right: 42.457+/-0.009 χ^2/NDF: 3382850.1/35

In: 41.436+/-0.006 χ^2/NDF:2545718.9/39

Out: 40.791+/-0.006 χ^2/NDF:3282476.1/42

All: 41.110+/-0.005 χ^2/NDF: 5833221.8/82

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: 12.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/18

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

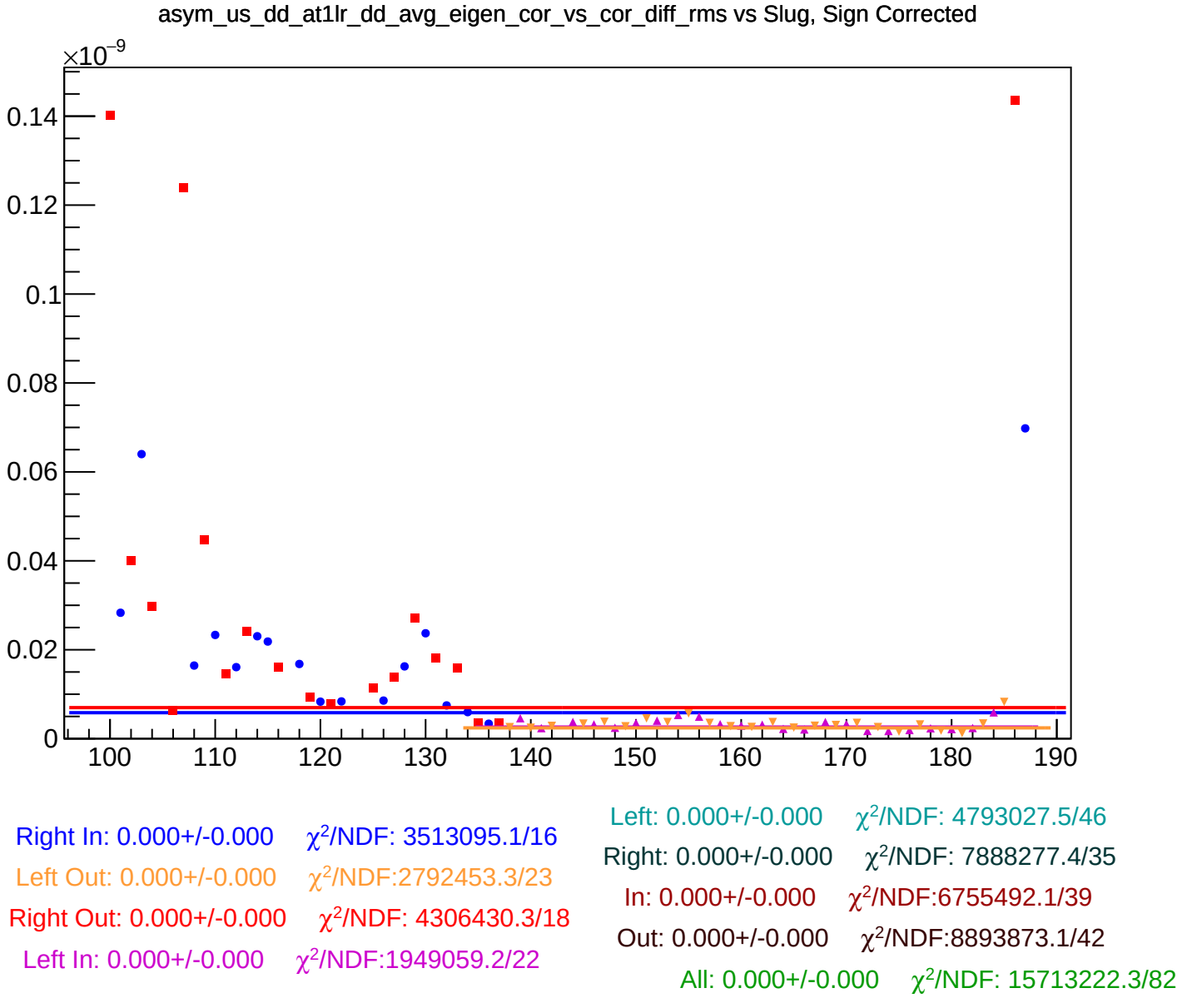
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

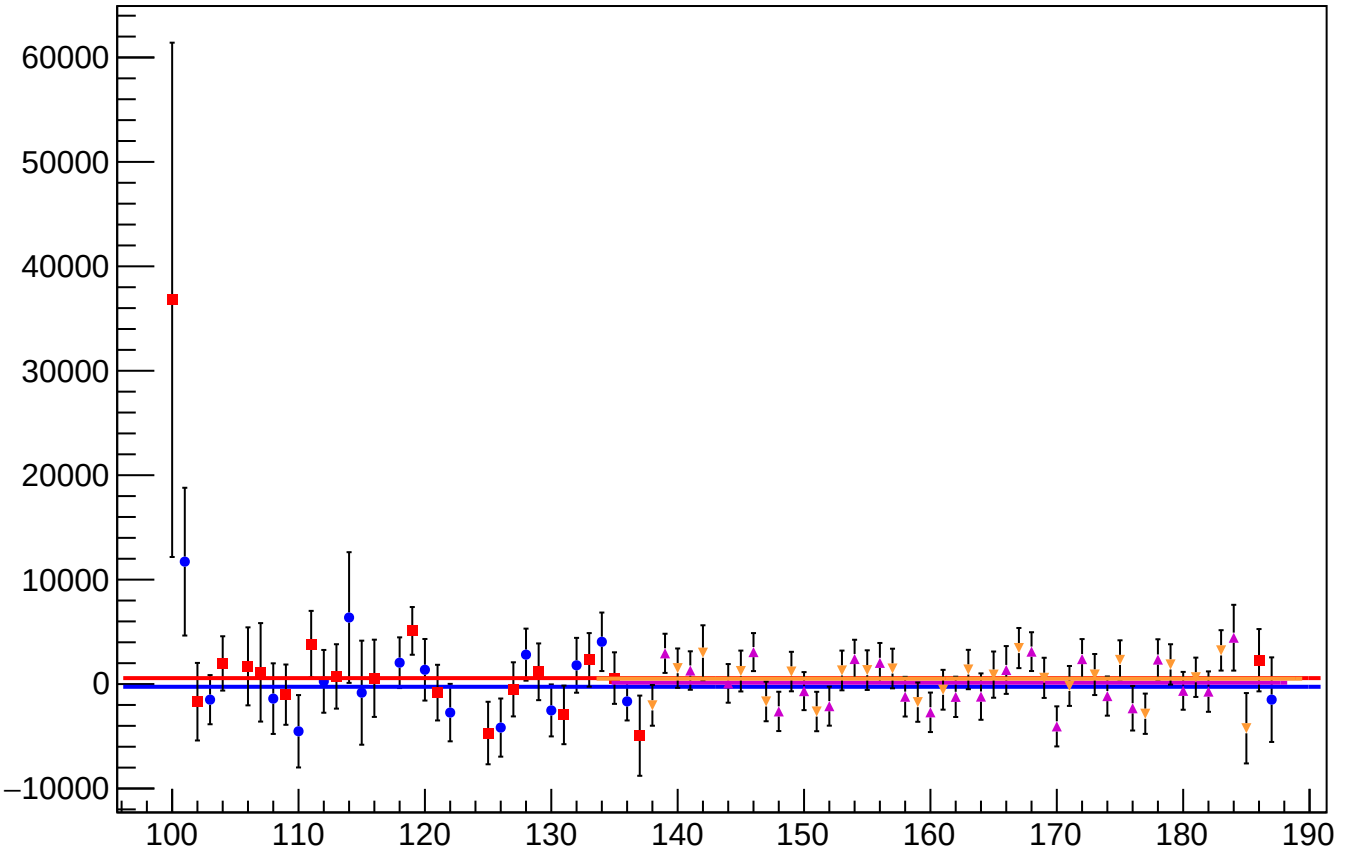
Right: -0.000+/-0.000 χ^2/NDF: 41.9/35

In: -0.000+/-0.000 χ^2/NDF:35.2/39

Out: 0.000+/-0.000 χ^2/NDF:55.7/42

All: 0.000+/-0.000 χ^2/NDF: 94.3/82


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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3513095.1/16
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 4306430.3/18
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 7888277.4/35
In: 0.000+/-0.000 χ²/NDF:6755492.1/39
Out: 0.000+/-0.000 χ²/NDF:8893873.1/42
All: 0.000+/-0.000 χ²/NDF: 15713222.3/82



Right In: -260.756+/-698.522 χ^2/NDF: 15.9/16

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 569.974+/-692.065 χ^2/NDF: 16.2/18

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

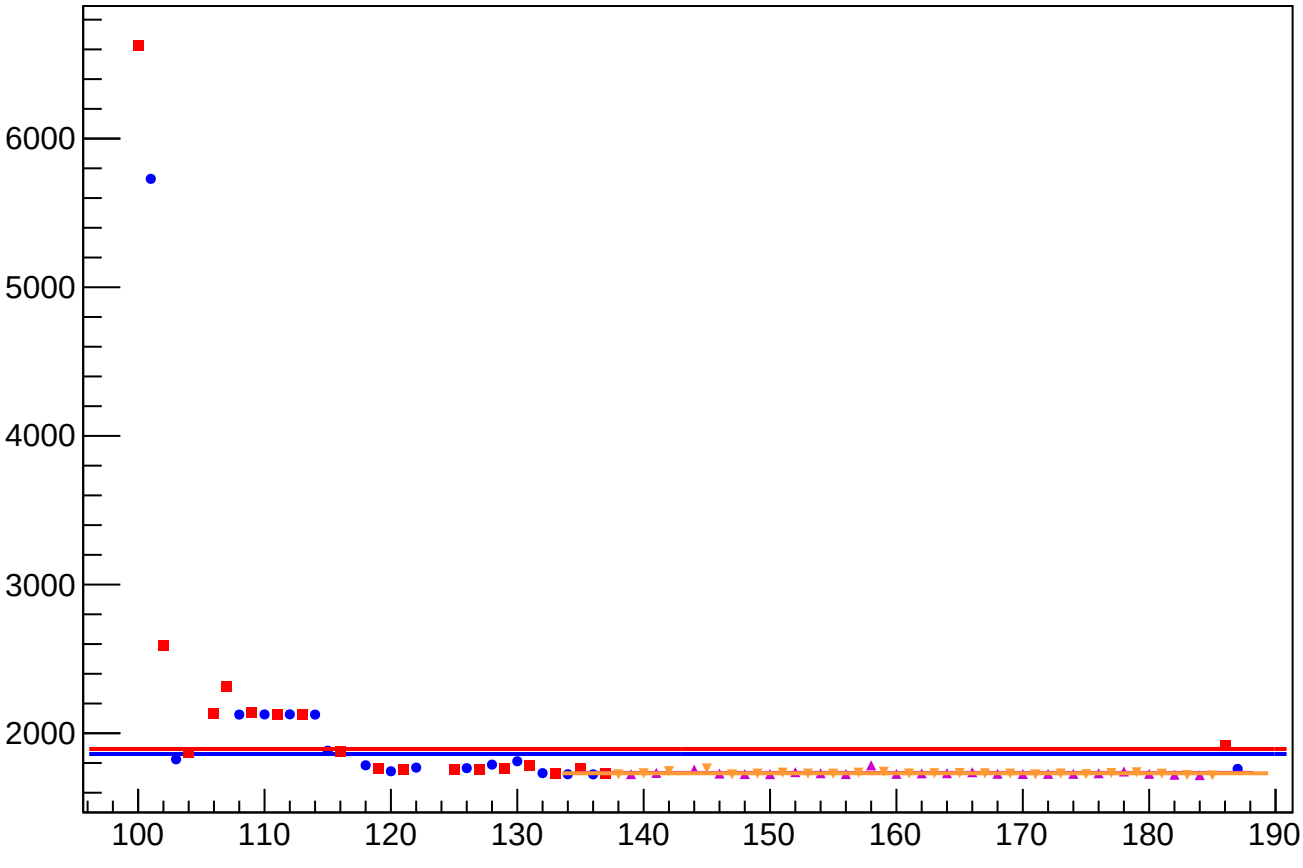
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 158.466+/-491.631 χ^2/NDF: 32.9/35

In: 28.853+/-350.129 χ^2/NDF:45.6/39

Out: 532.541+/-347.420 χ^2/NDF:37.0/42

All: 282.653+/-246.615 χ^2/NDF: 83.6/82



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.1/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1894.275+/-0.489 χ^2/NDF: 251658.8/18

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

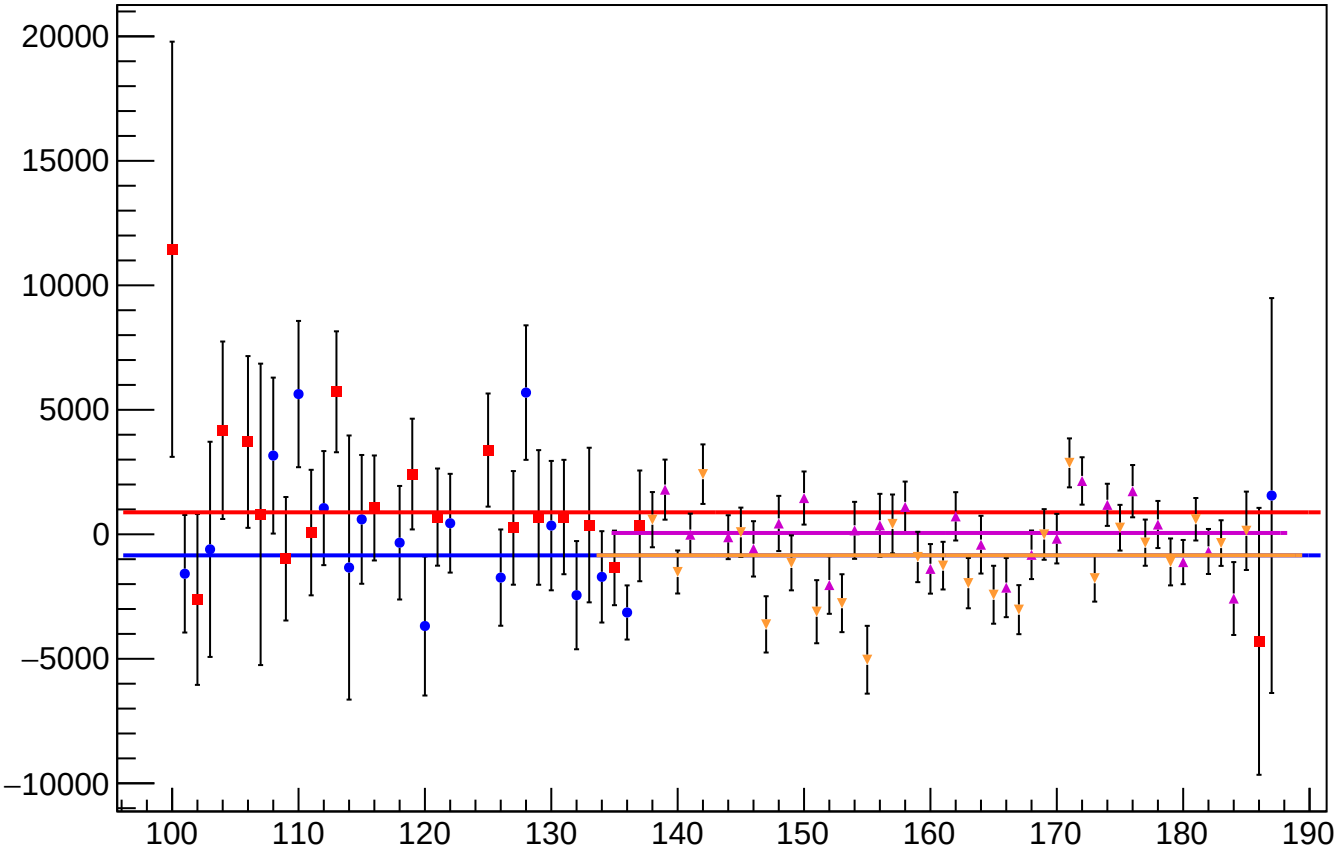
Right: 1877.547+/-0.348 χ^2/NDF: 929947.8/35

In: 1765.040+/-0.248 χ^2/NDF:728057.8/39

Out: 1772.033+/-0.246 χ^2/NDF:336052.1/42

All: 1768.564+/-0.174 χ^2/NDF: 1064511.8/82

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -845.747+/-548.475 χ^2/NDF: 20.7/16

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 883.223+/-580.533 χ^2/NDF: 13.9/18

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

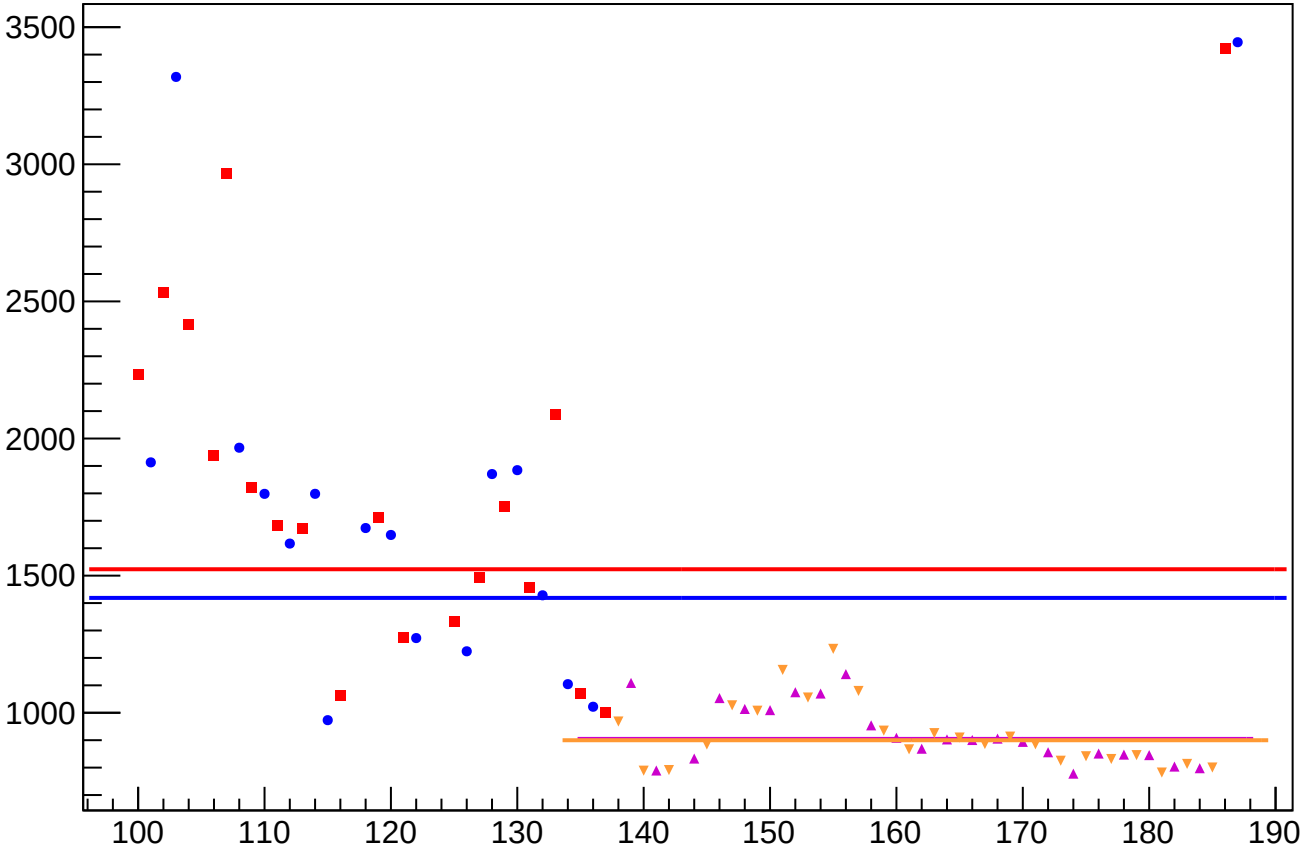
Right: -30.316+/-398.682 χ^2/NDF: 39.2/35

In: -63.963+/-198.526 χ^2/NDF:53.7/39

Out: -641.322+/-198.185 χ^2/NDF:84.3/42

All: -353.138+/-140.258 χ^2/NDF: 142.3/82

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1418.834+/-0.388 χ^2/NDF: 1298898.2/16

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1523.322+/-0.410 χ^2/NDF: 1284398.2/18

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

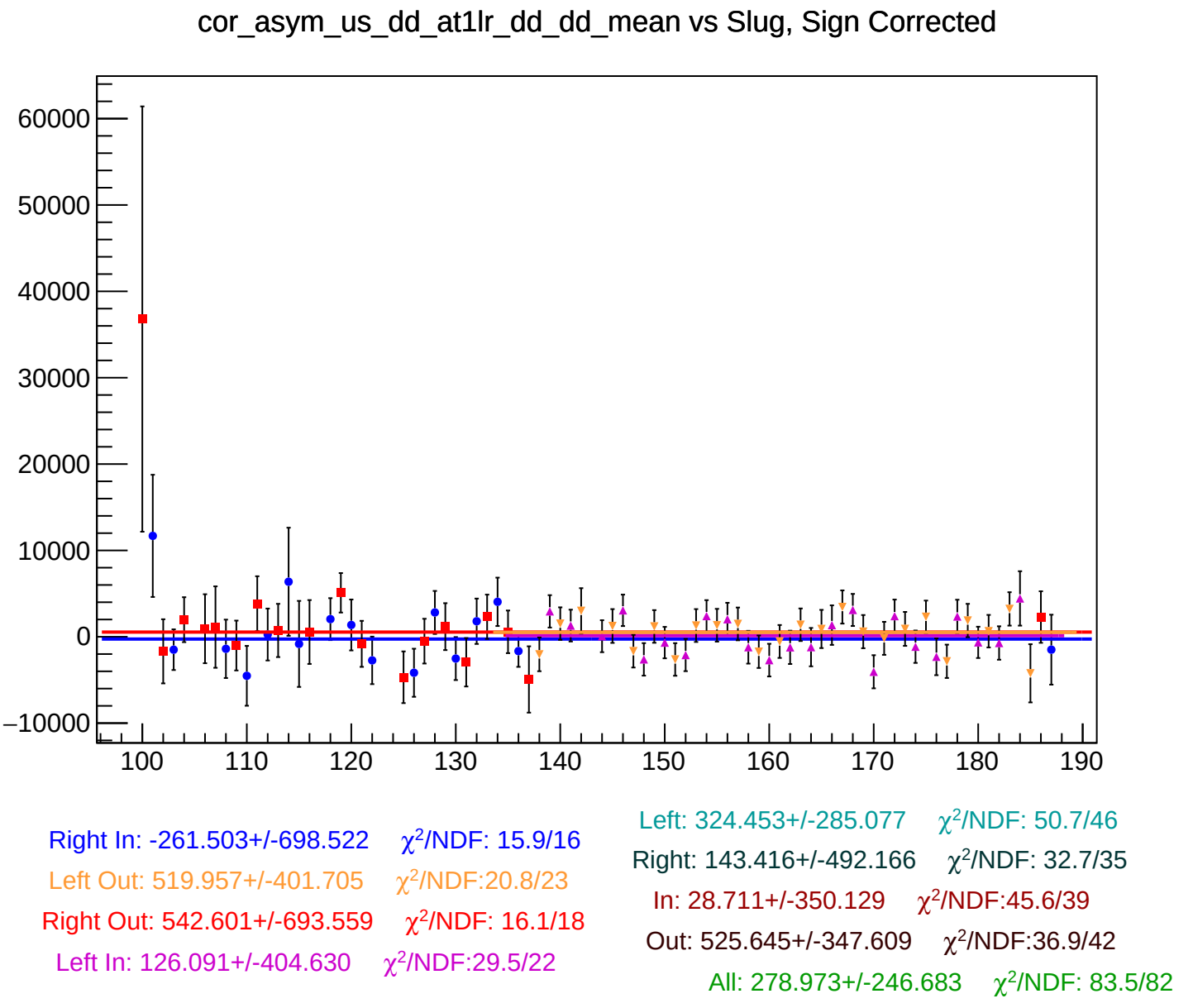
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

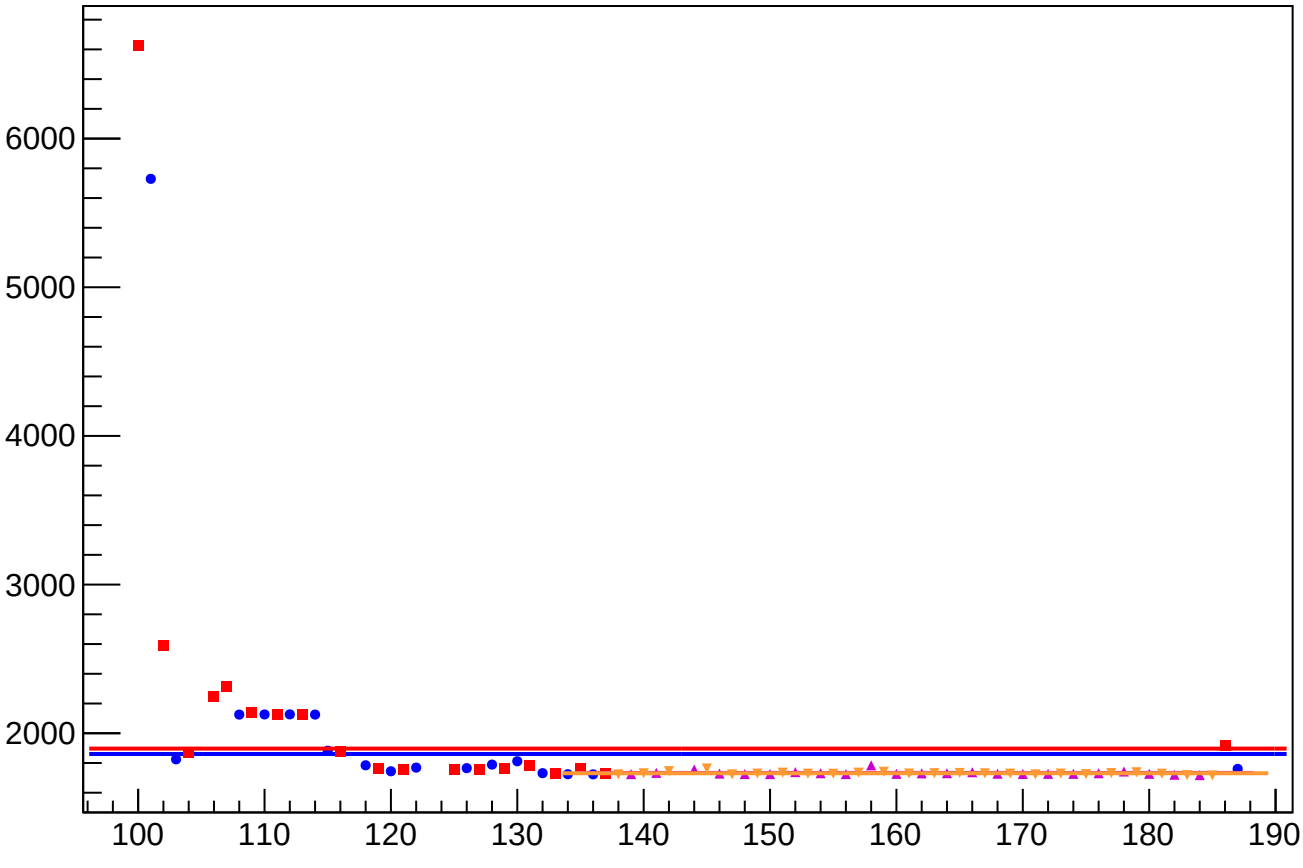
Right: 1468.114+/-0.282 χ^2/NDF: 2617529.6/35

In: 972.021+/-0.140 χ^2/NDF:3278561.7/39

Out: 972.478+/-0.140 χ^2/NDF:3817940.4/42

All: 972.250+/-0.099 χ^2/NDF: 7096507.4/82


cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -261.503+/-698.522 χ²/NDF: 15.9/16
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 542.601+/-693.559 χ²/NDF: 16.1/18
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 143.416+/-492.166 χ²/NDF: 32.7/35
In: 28.711+/-350.129 χ²/NDF:45.6/39
Out: 525.645+/-347.609 χ²/NDF:36.9/42
All: 278.973+/-246.683 χ²/NDF: 83.5/82



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.0/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1896.765+/-0.490 χ^2/NDF: 259289.8/18

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

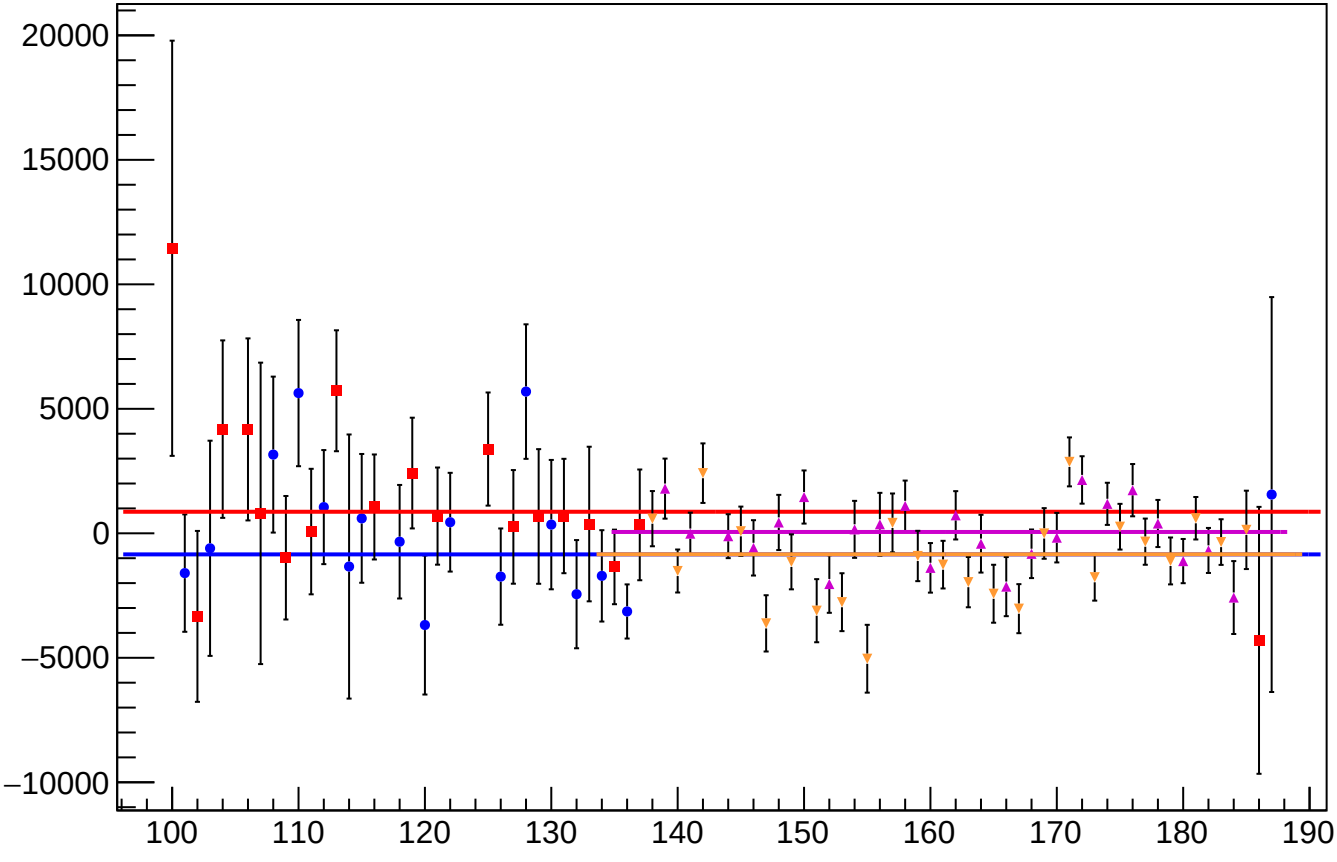
Right: 1878.765+/-0.348 χ^2/NDF: 937933.6/35

In: 1765.040+/-0.248 χ^2/NDF:728057.6/39

Out: 1772.525+/-0.246 χ^2/NDF:345967.4/42

All: 1768.810+/-0.174 χ^2/NDF: 1074485.3/82

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -846.567+/-548.432 χ^2/NDF: 20.7/16

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 865.709+/-581.436 χ^2/NDF: 14.5/18

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

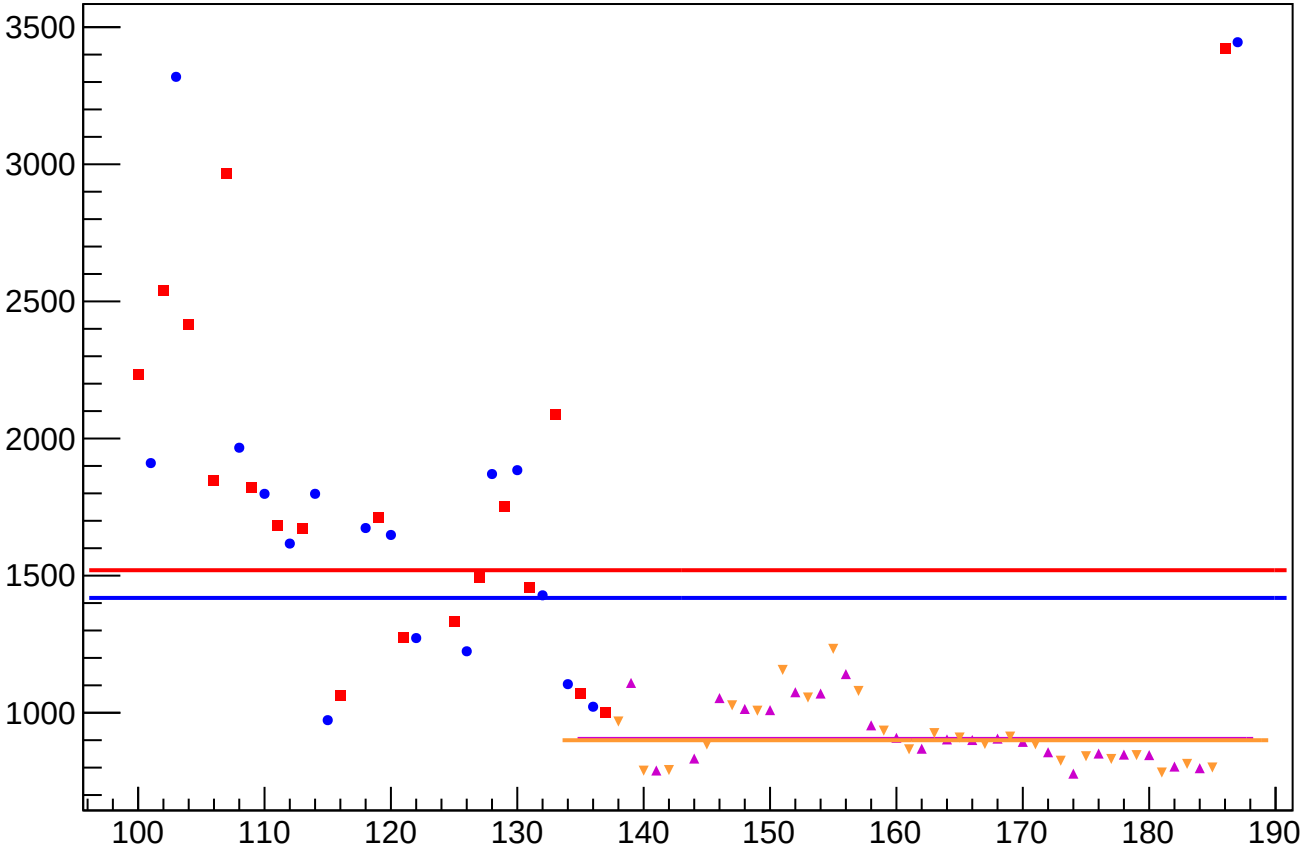
Right: -40.402+/-398.958 χ^2/NDF: 39.8/35

In: -64.066+/-198.523 χ^2/NDF:53.7/39

Out: -643.940+/-198.221 χ^2/NDF:84.8/42

All: -354.444+/-140.270 χ^2/NDF: 142.7/82

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1418.755+/-0.388 χ^2/NDF: 1298267.3/16

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1519.783+/-0.411 χ^2/NDF: 1272707.2/18

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

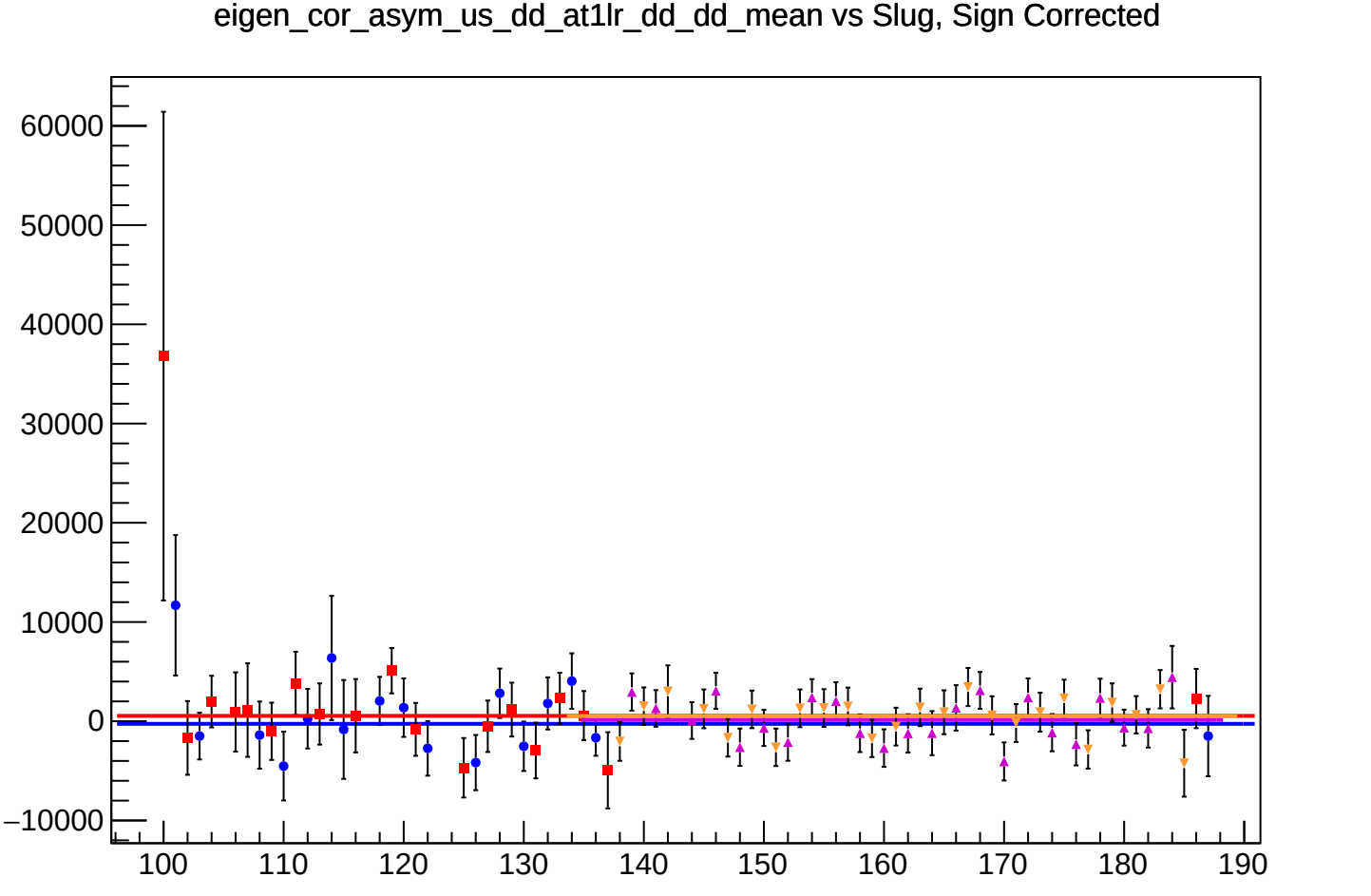
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

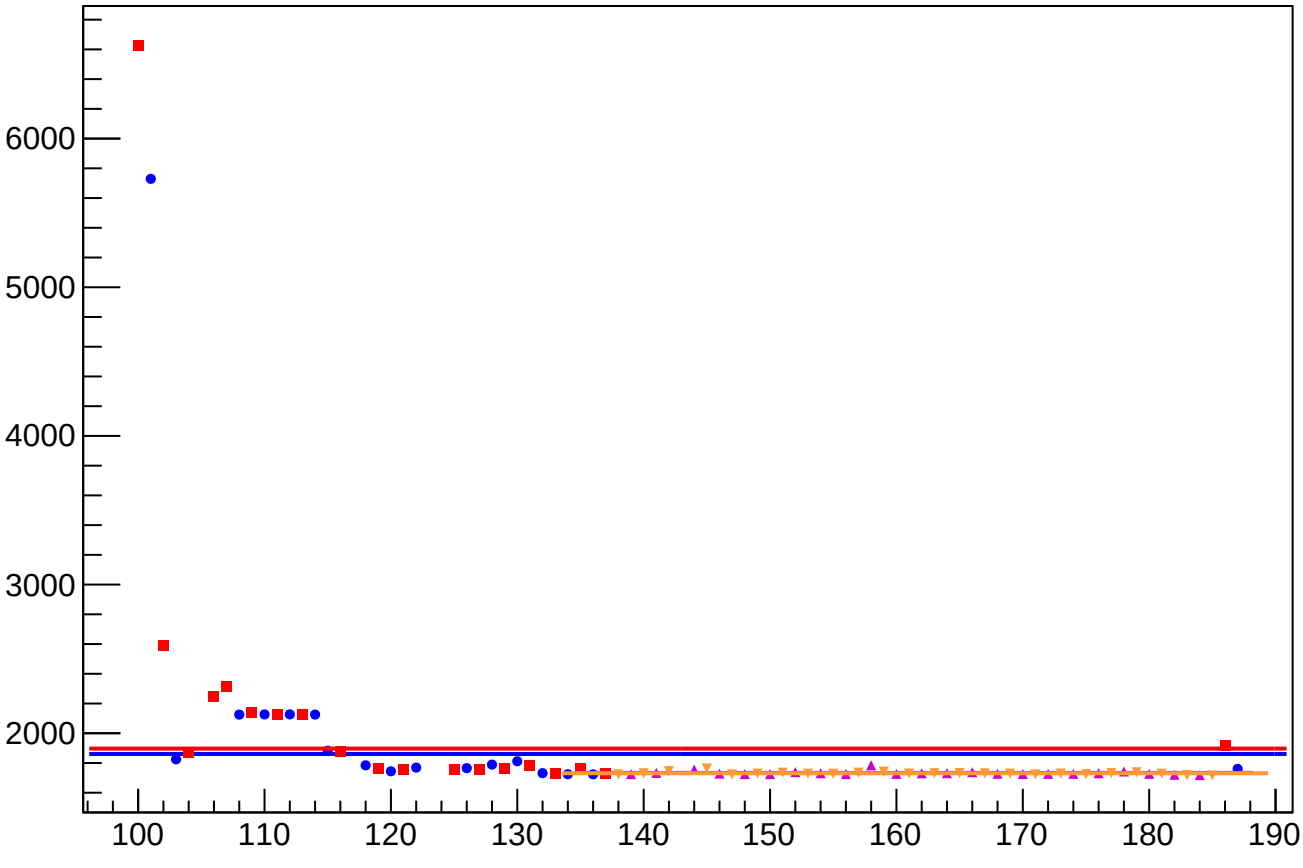
Right: 1466.321+/-0.282 χ^2/NDF: 2602927.7/35

In: 972.016+/-0.140 χ^2/NDF:3277697.3/39

Out: 971.870+/-0.140 χ^2/NDF:3777578.8/42

All: 971.943+/-0.099 χ^2/NDF: 7055276.7/82


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -261.503+/-698.522 χ²/NDF: 15.9/16
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 542.601+/-693.559 χ²/NDF: 16.1/18
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 143.416+/-492.166 χ²/NDF: 32.7/35
In: 28.711+/-350.129 χ²/NDF:45.6/39
Out: 525.645+/-347.609 χ²/NDF:36.9/42
All: 278.973+/-246.683 χ²/NDF: 83.5/82



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.0/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1896.765+/-0.490 χ^2/NDF: 259289.8/18

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

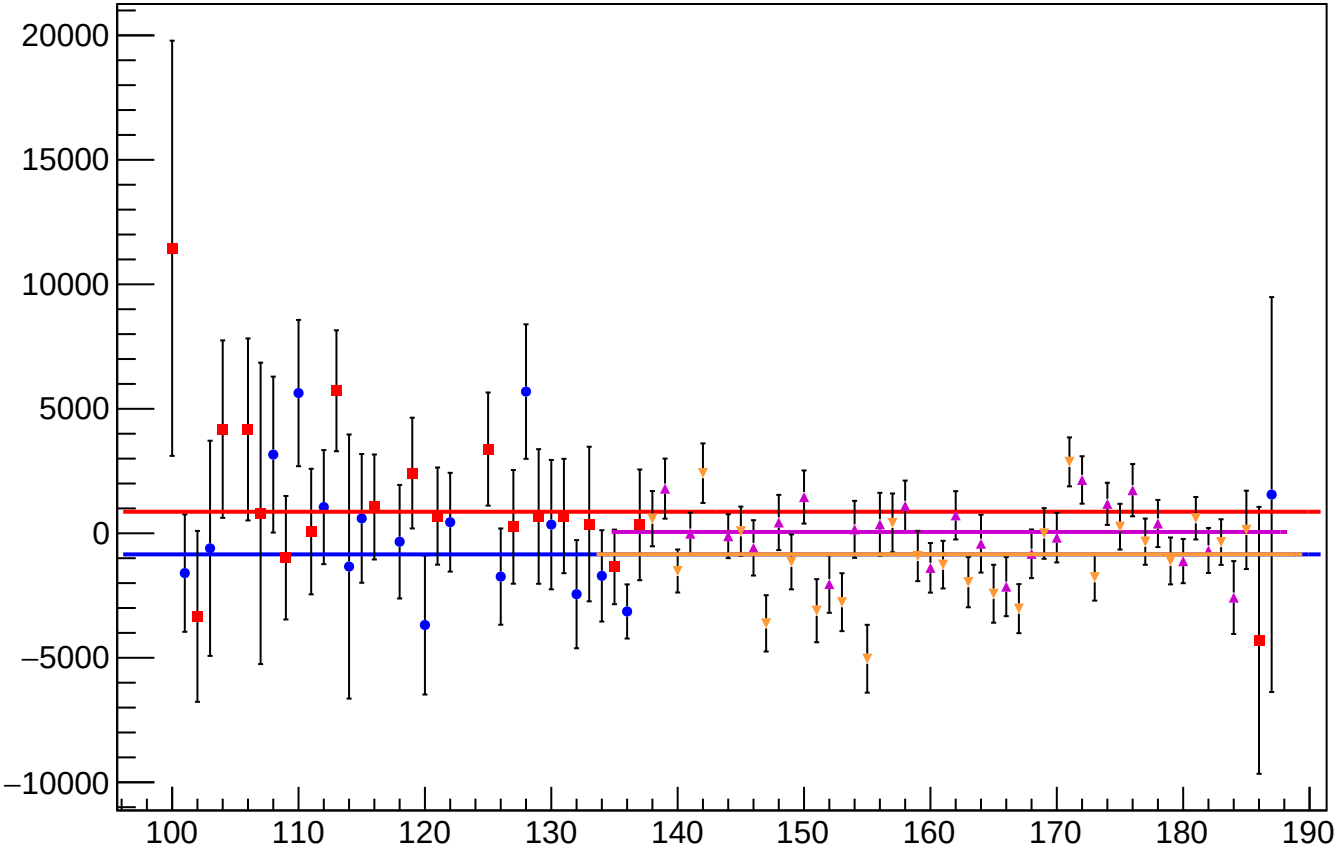
Right: 1878.765+/-0.348 χ^2/NDF: 937933.6/35

In: 1765.040+/-0.248 χ^2/NDF:728057.6/39

Out: 1772.525+/-0.246 χ^2/NDF:345967.4/42

All: 1768.810+/-0.174 χ^2/NDF: 1074485.3/82

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -846.567+/-548.432 χ^2/NDF: 20.7/16

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 865.709+/-581.436 χ^2/NDF: 14.5/18

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

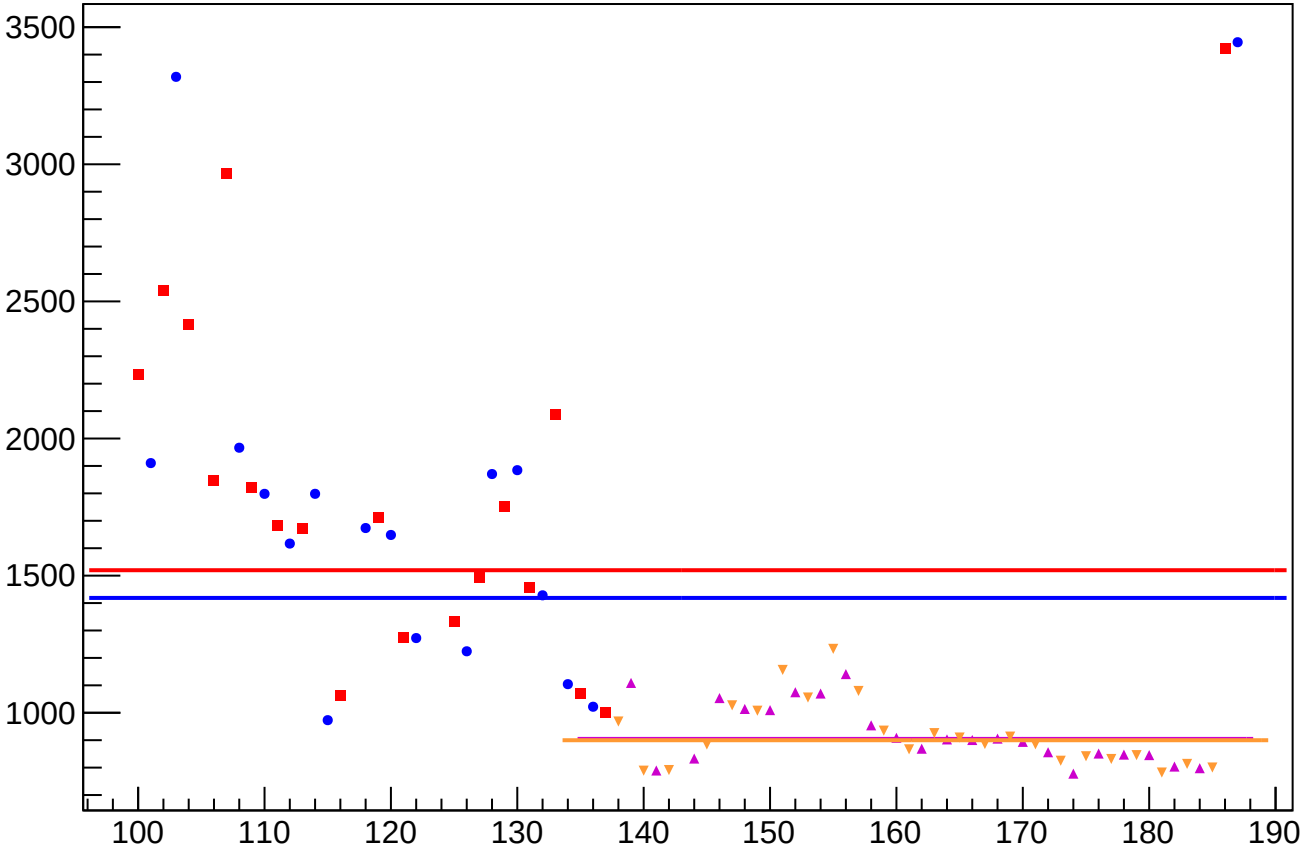
Right: -40.402+/-398.958 χ^2/NDF: 39.8/35

In: -64.066+/-198.523 χ^2/NDF:53.7/39

Out: -643.940+/-198.221 χ^2/NDF:84.8/42

All: -354.444+/-140.270 χ^2/NDF: 142.7/82

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1418.755+/-0.388 χ^2/NDF: 1298267.3/16

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1519.783+/-0.411 χ^2/NDF: 1272707.2/18

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

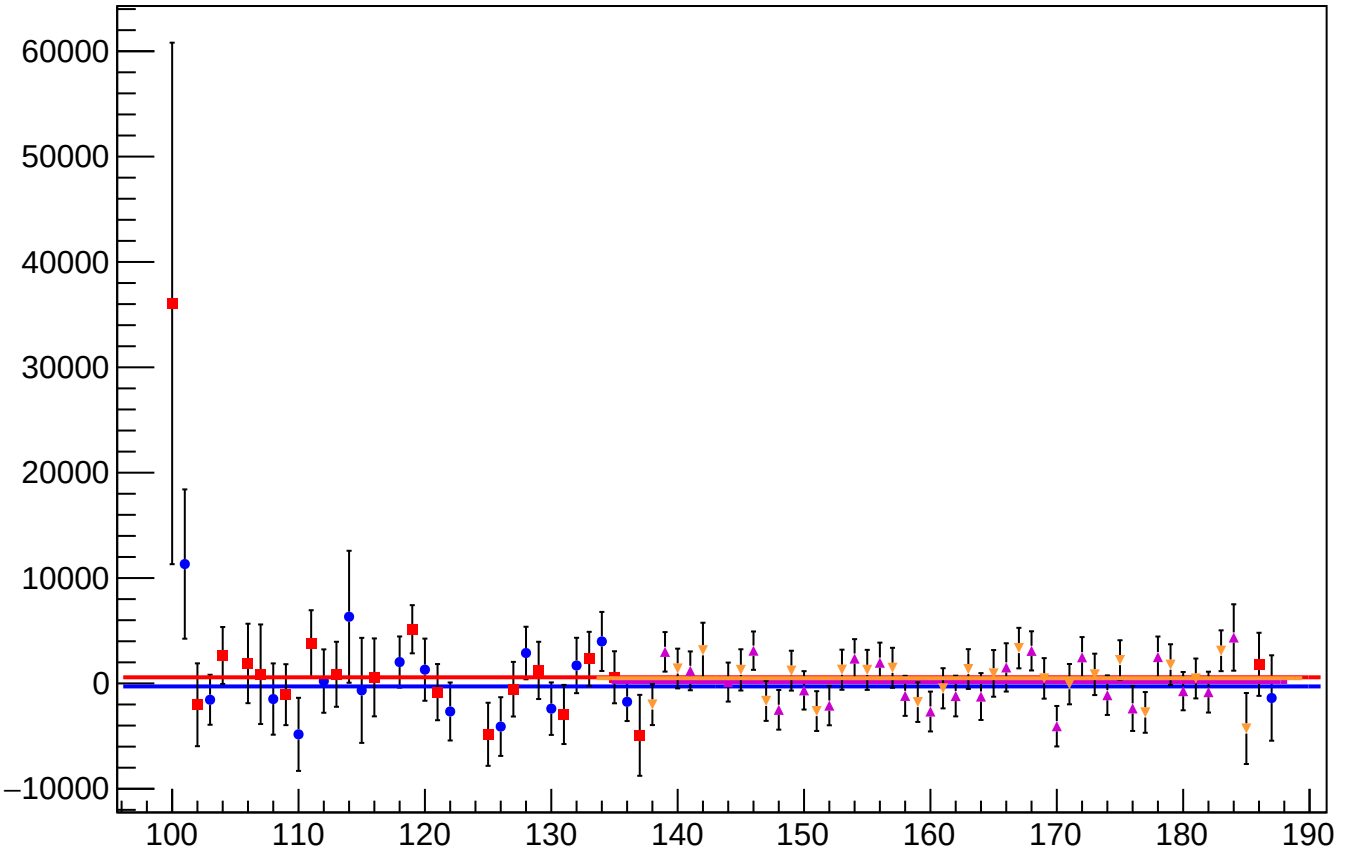
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1466.321+/-0.282 χ^2/NDF: 2602927.7/35

In: 972.016+/-0.140 χ^2/NDF:3277697.3/39

Out: 971.870+/-0.140 χ^2/NDF:3777578.8/42

All: 971.943+/-0.099 χ^2/NDF: 7055276.7/82



Right In: -285.746+/-699.326 χ^2/NDF: 15.7/16

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 580.464+/-695.850 χ^2/NDF: 16.6/18

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

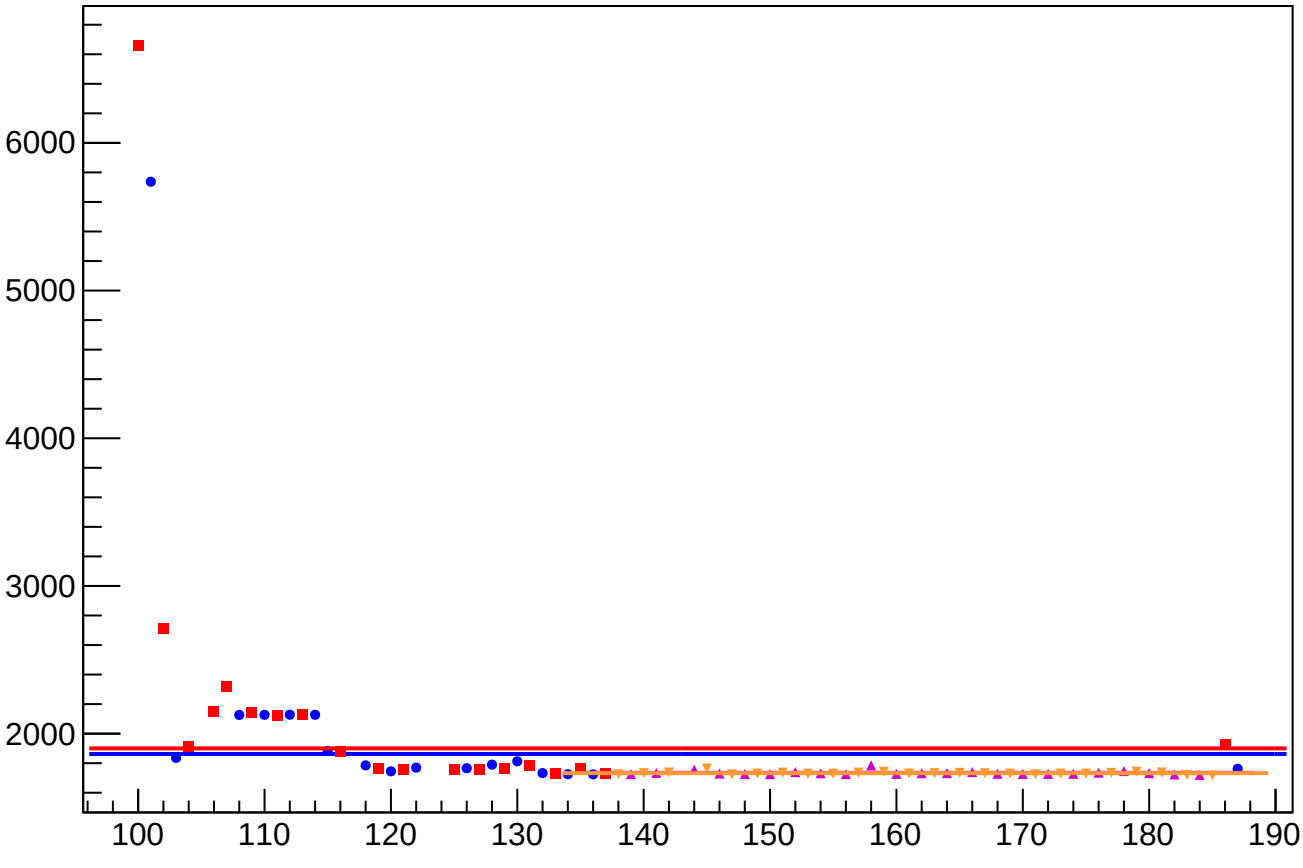
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 149.518+/-493.265 χ^2/NDF: 33.1/35

In: 30.949+/-350.467 χ^2/NDF:45.6/39

Out: 516.315+/-348.133 χ^2/NDF:36.7/42

All: 275.253+/-246.988 χ^2/NDF: 83.2/82



Right In: 1862.353+/-0.494 χ^2/NDF: 676259.5/16

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1900.082+/-0.492 χ^2/NDF: 269268.3/18

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

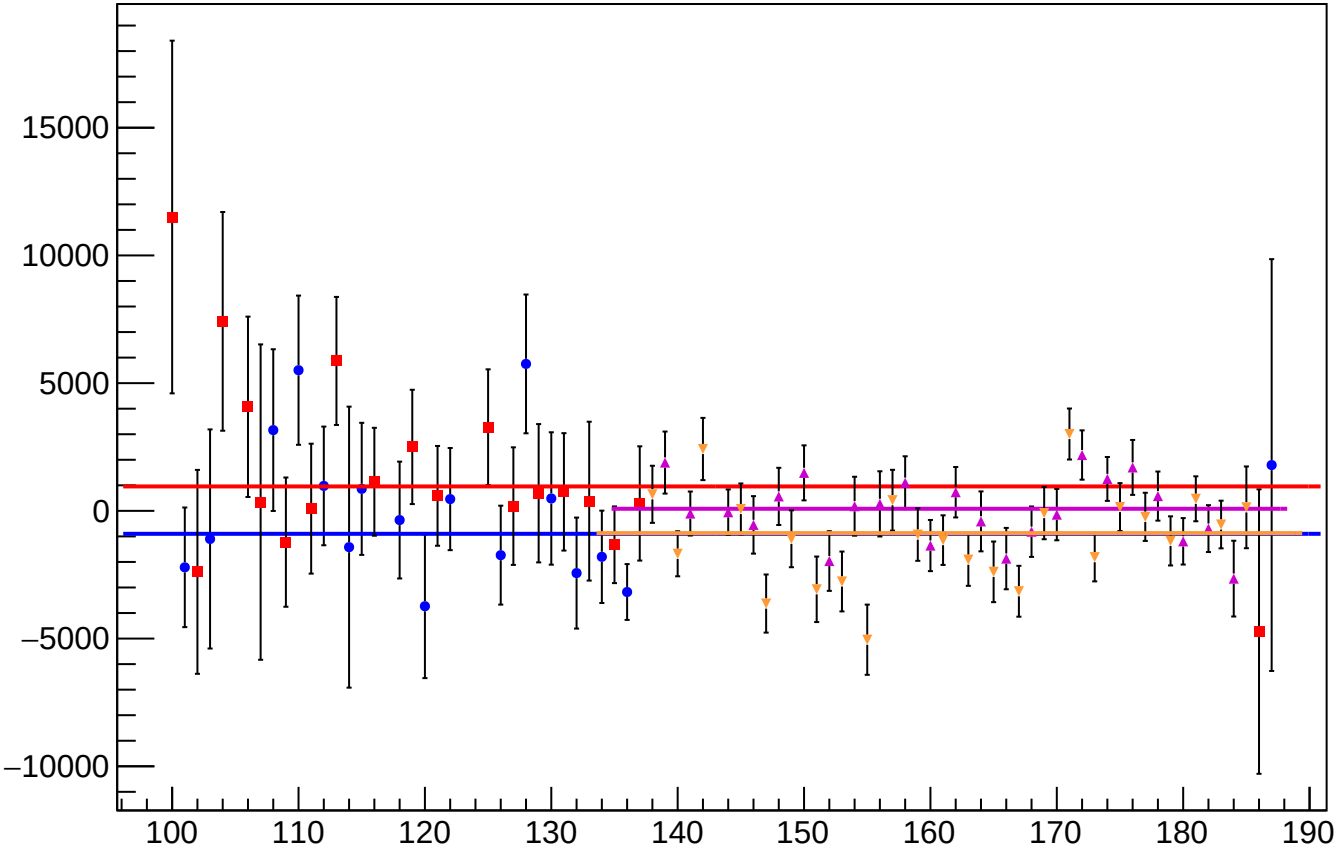
Right: 1881.311+/-0.349 χ^2/NDF: 948452.8/35

In: 1766.661+/-0.248 χ^2/NDF:728481.7/39

Out: 1774.362+/-0.246 χ^2/NDF:357258.9/42

All: 1770.538+/-0.175 χ^2/NDF: 1086226.6/82

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -898.387+/-549.555 χ^2/NDF: 21.1/16

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 956.008+/-588.290 χ^2/NDF: 16.0/18

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

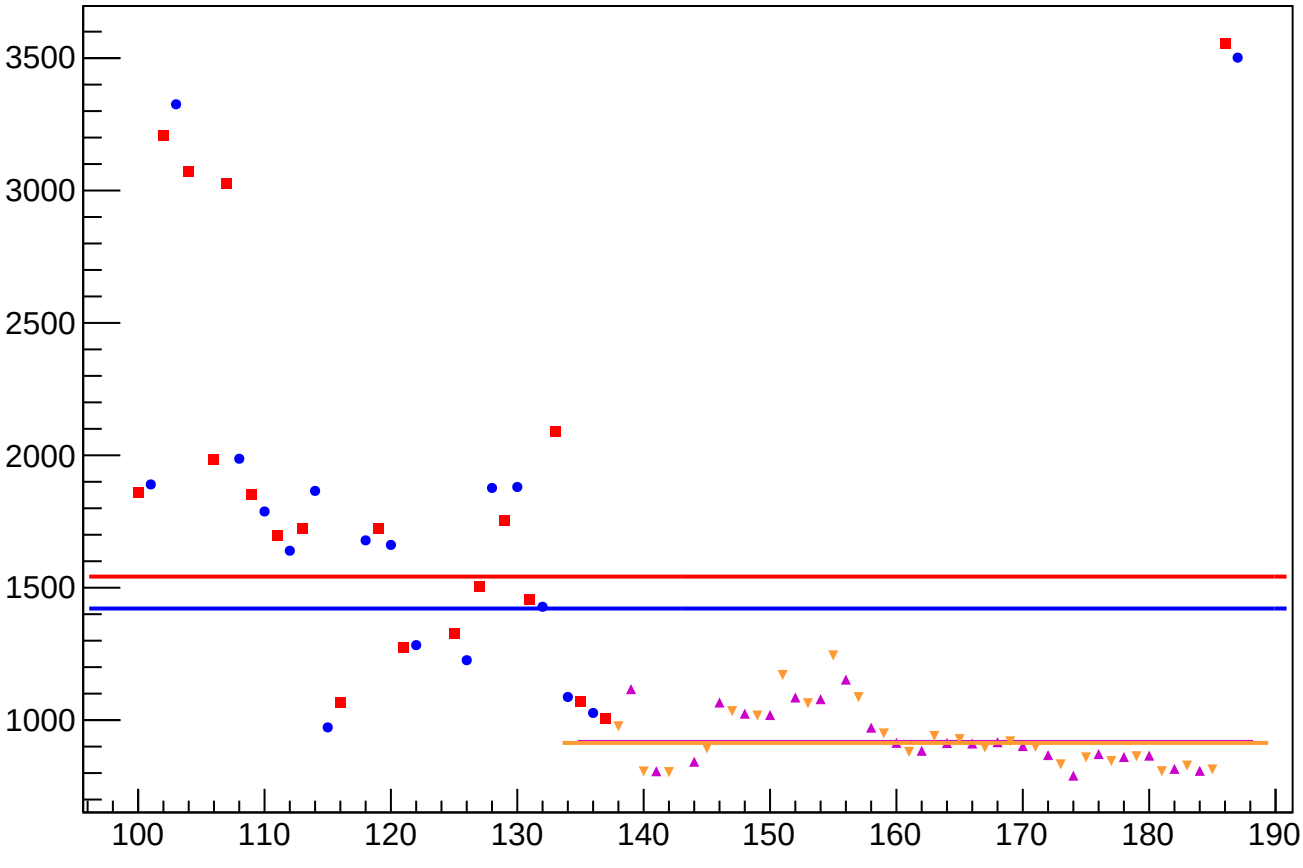
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -34.245+/-401.590 χ^2/NDF: 42.4/35

In: -49.514+/-200.960 χ^2/NDF:53.8/39

Out: -659.092+/-201.114 χ^2/NDF:86.5/42

All: -354.069+/-142.154 χ^2/NDF: 144.9/82



Right In: 1421.462+/-0.389 χ^2/NDF: 1311573.6/16

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1542.017+/-0.416 χ^2/NDF: 1624276.8/18

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

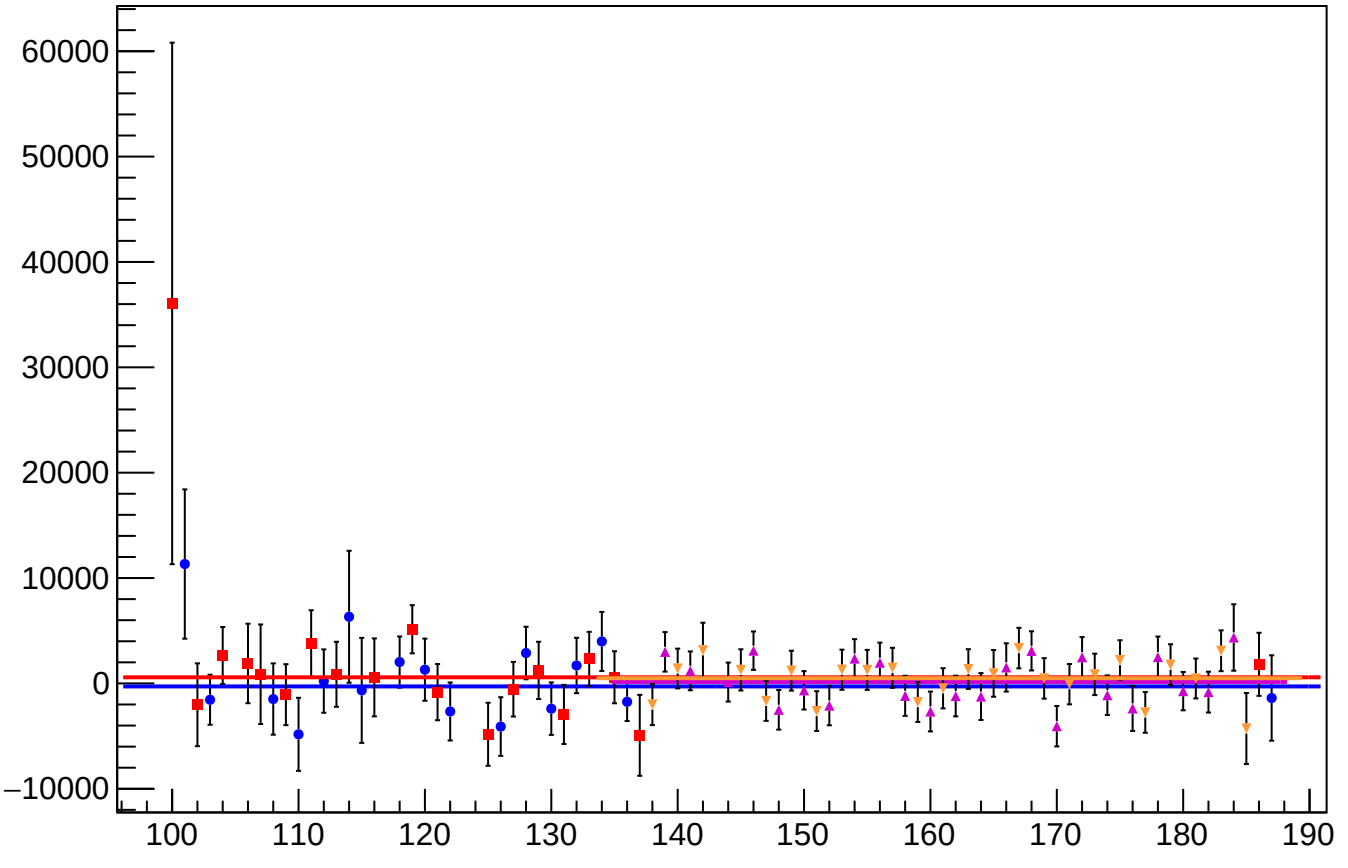
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1477.640+/-0.284 χ^2/NDF: 2980700.4/35

In: 985.040+/-0.142 χ^2/NDF:3198072.6/39

Out: 987.306+/-0.142 χ^2/NDF:4100641.9/42

All: 986.173+/-0.101 χ^2/NDF: 7298841.6/82



Right In: -285.745+/-699.326 χ^2/NDF: 15.7/16

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 580.462+/-695.850 χ^2/NDF: 16.6/18

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

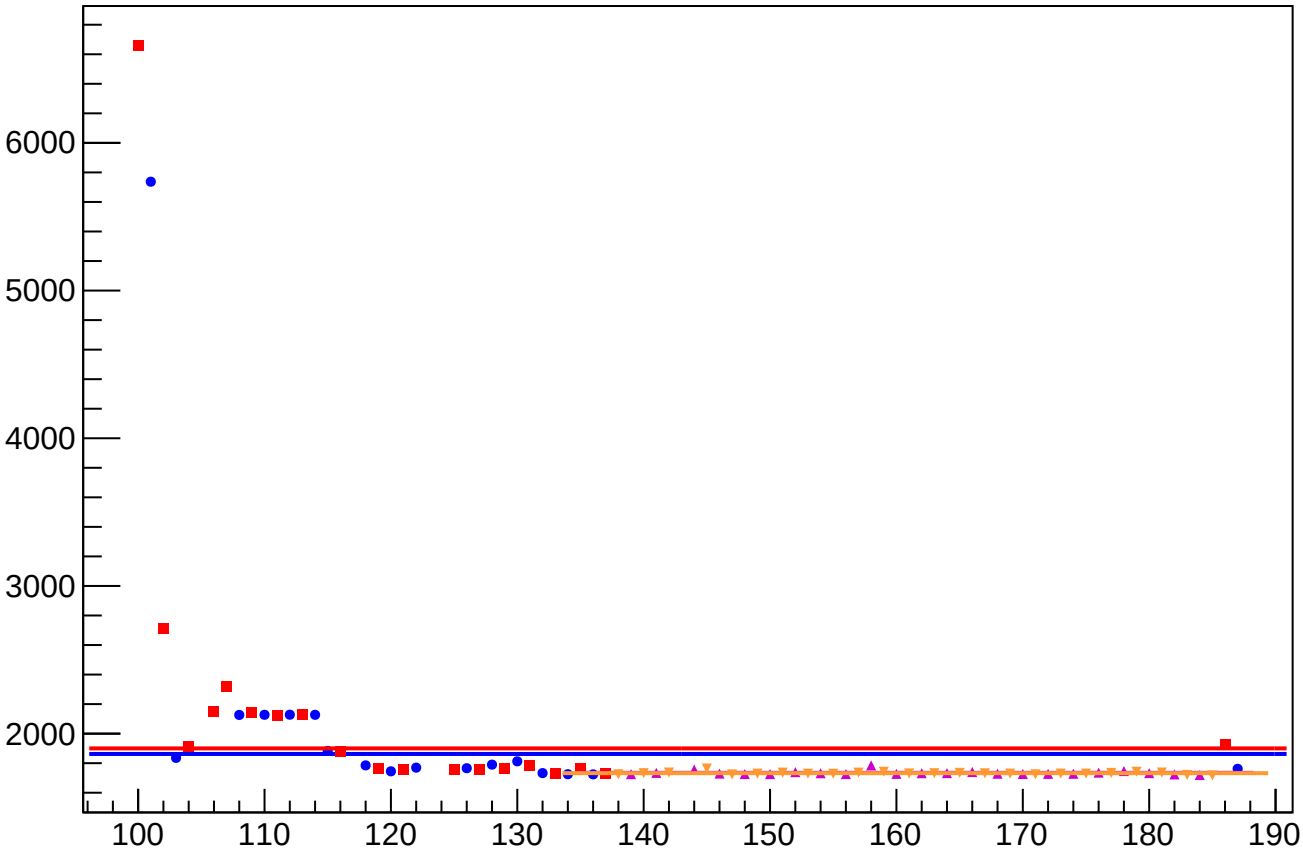
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 149.517+/-493.265 χ^2/NDF: 33.1/35

In: 30.949+/-350.467 χ^2/NDF:45.6/39

Out: 516.314+/-348.133 χ^2/NDF:36.7/42

All: 275.253+/-246.988 χ^2/NDF: 83.2/82



Right In: 1862.353+/-0.494 χ^2/NDF: 676259.6/16

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1900.082+/-0.492 χ^2/NDF: 269268.0/18

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

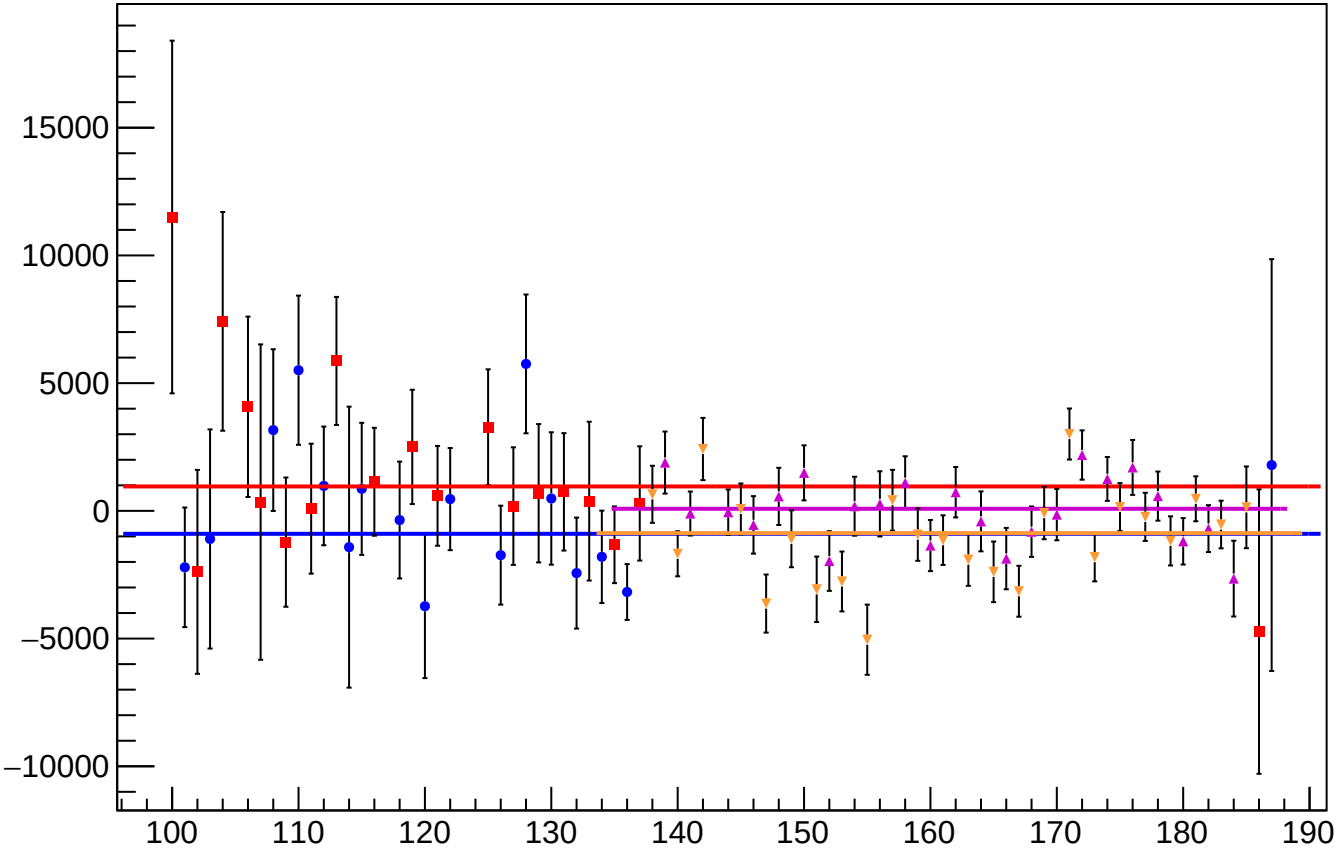
Right: 1881.311+/-0.349 χ^2/NDF: 948452.6/35

In: 1766.661+/-0.248 χ^2/NDF:728481.7/39

Out: 1774.362+/-0.246 χ^2/NDF:357258.6/42

All: 1770.538+/-0.175 χ^2/NDF: 1086226.3/82

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -898.382+/-549.553 χ^2/NDF: 21.1/16

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 956.007+/-588.289 χ^2/NDF: 16.0/18

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

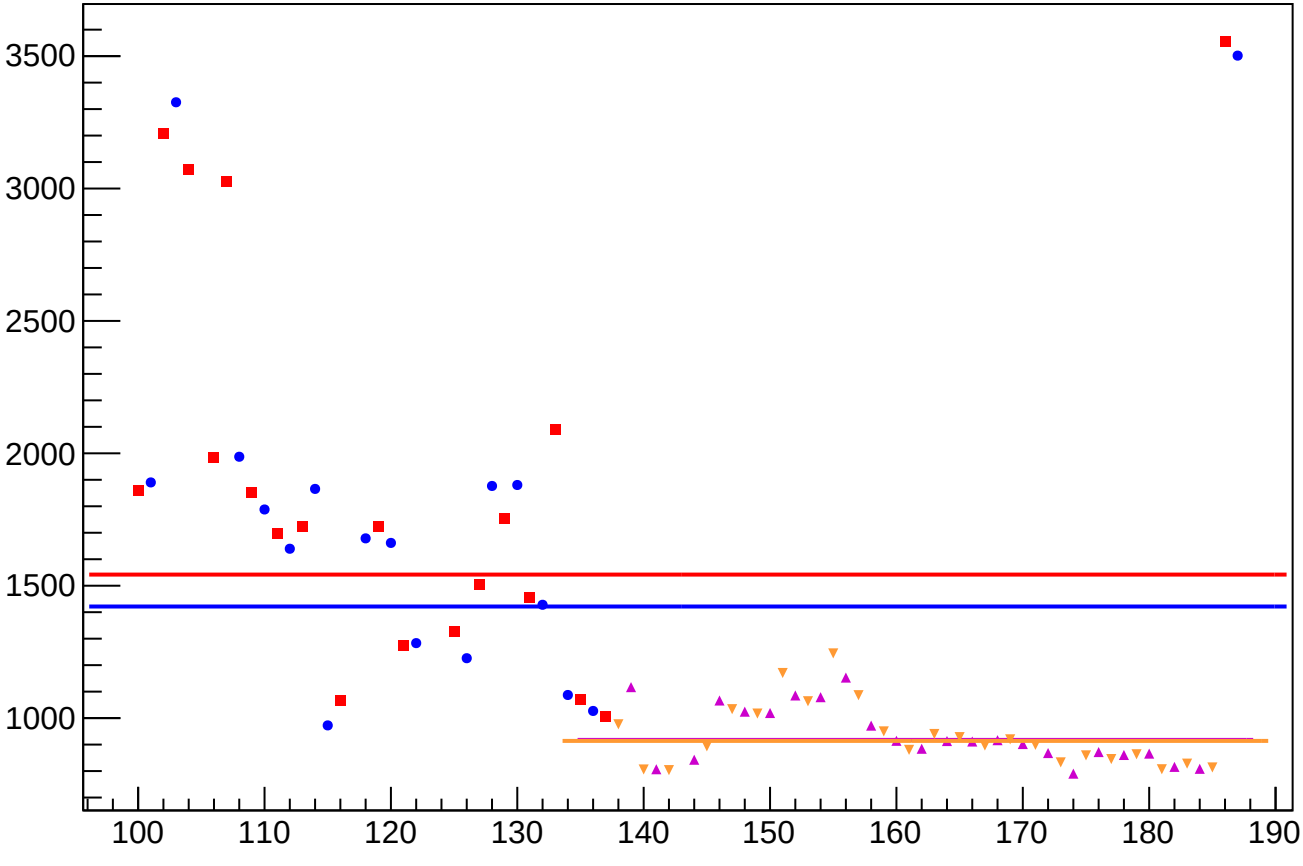
Right: -34.243+/-401.589 χ^2/NDF: 42.4/35

In: -49.515+/-200.959 χ^2/NDF:53.8/39

Out: -659.091+/-201.114 χ^2/NDF:86.5/42

All: -354.069+/-142.154 χ^2/NDF: 144.9/82

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1421.458+/-0.389 χ^2/NDF: 1311574.1/16

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1542.014+/-0.416 χ^2/NDF: 1624281.7/18

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

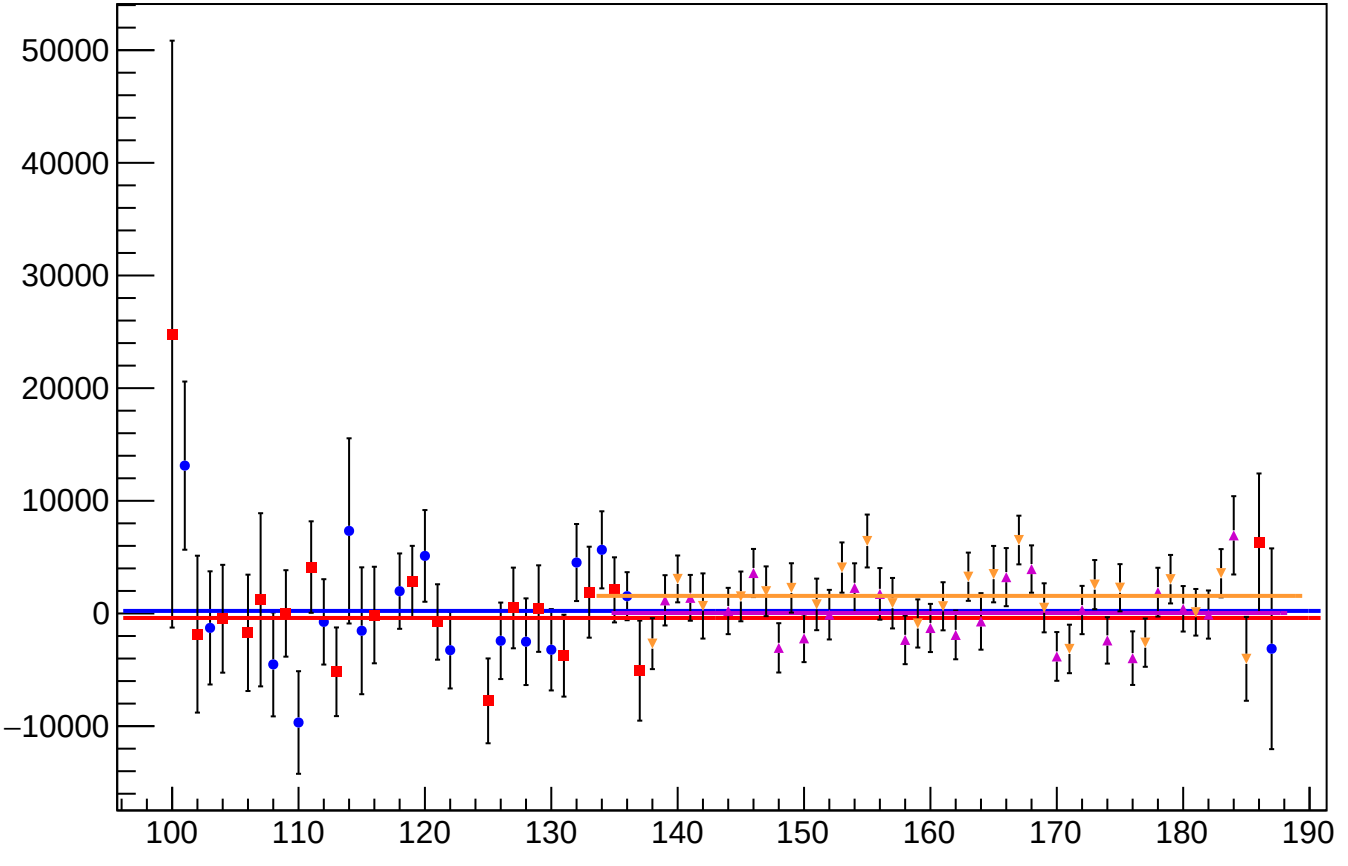
Right: 1477.637+/-0.284 χ^2/NDF: 2980706.4/35

In: 985.040+/-0.142 χ^2/NDF:3198073.2/39

Out: 987.306+/-0.142 χ^2/NDF:4100645.9/42

All: 986.172+/-0.101 χ^2/NDF: 7298846.1/82

asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 226.839+/-936.759 χ^2/NDF: 19.2/16

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -398.768+/-951.422 χ^2/NDF: 12.9/18

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

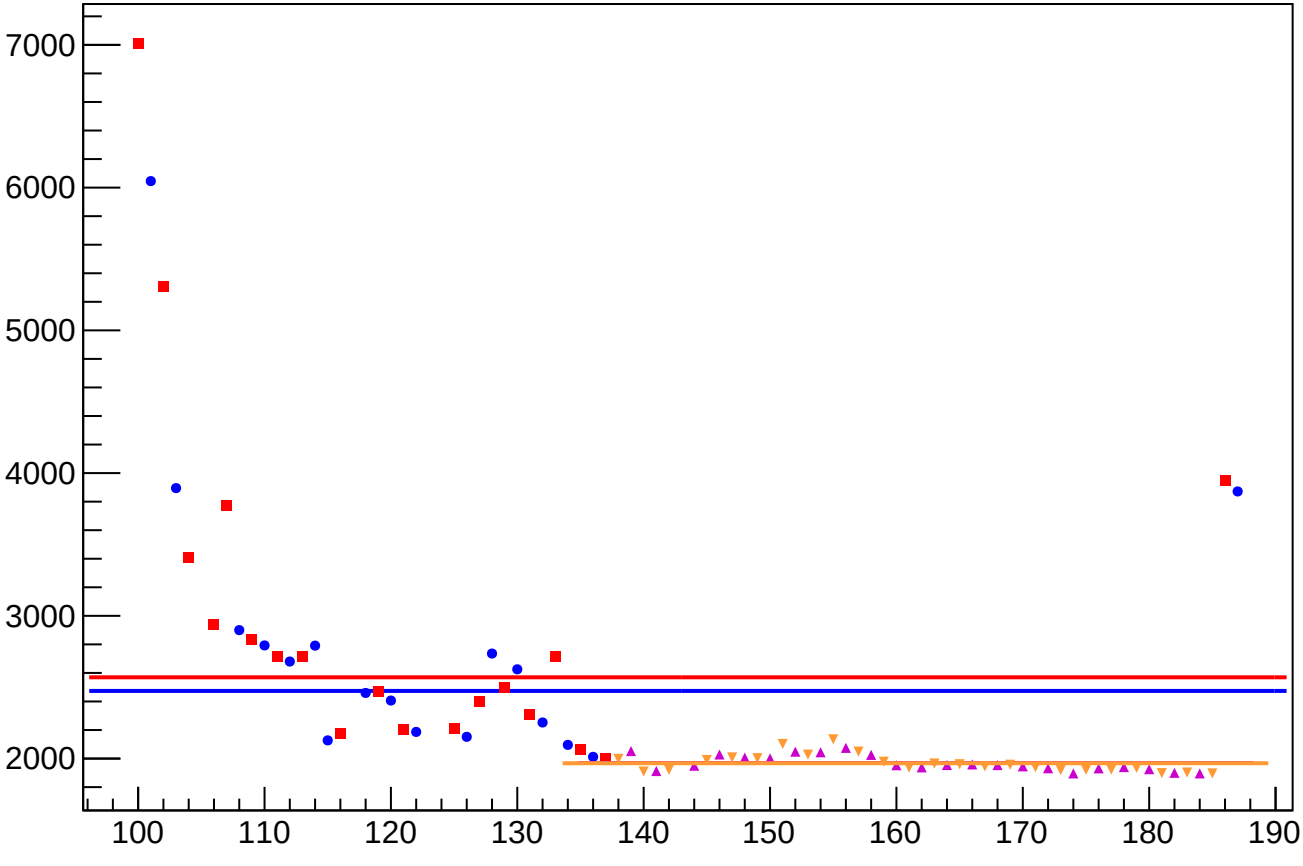
Right: -81.106+/-667.512 χ^2/NDF: 32.3/35

In: 76.199+/-412.858 χ^2/NDF:47.0/39

Out: 1194.050+/-411.857 χ^2/NDF:47.6/42

All: 636.482+/-291.580 χ^2/NDF: 98.3/82

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2473.952+/-0.662 χ^2/NDF: 882641.7/16

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2569.371+/-0.673 χ^2/NDF: 775644.7/18

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

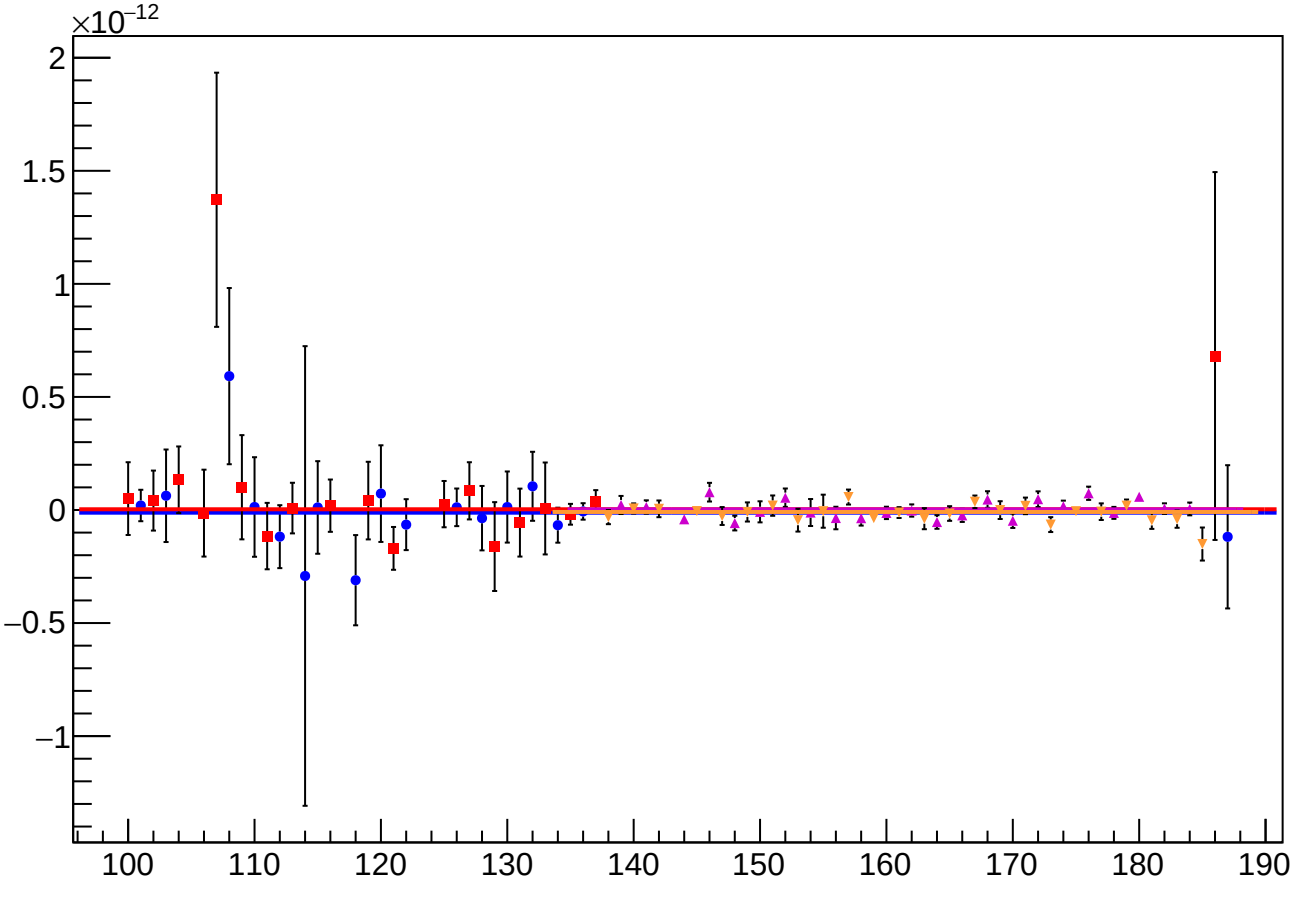
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2520.921+/-0.472 χ^2/NDF: 1668500.8/35

In: 2067.101+/-0.292 χ^2/NDF:1377375.2/39

Out: 2080.216+/-0.291 χ^2/NDF:1460436.8/42

All: 2073.675+/-0.206 χ^2/NDF: 2838823.5/82



Right In: -0.000+/-0.000 χ^2/NDF: 7.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

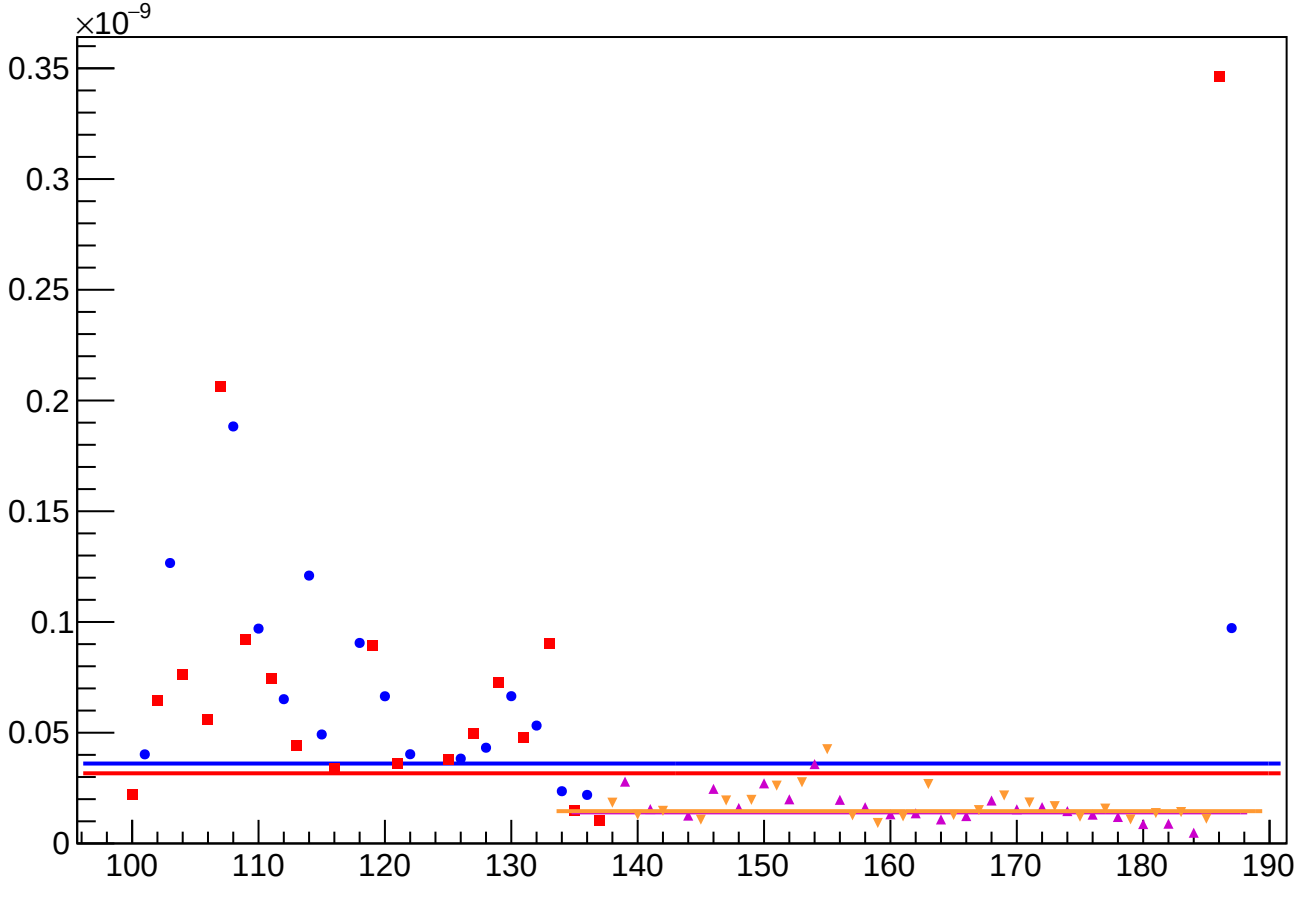
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 21.5/35

In: 0.000+/-0.000 χ^2/NDF:46.7/39

Out: -0.000+/-0.000 χ^2/NDF:34.9/42

All: -0.000+/-0.000 χ^2/NDF: 82.8/82



Right In: 0.000+/-0.000 χ^2/NDF: 1695225.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2368002.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

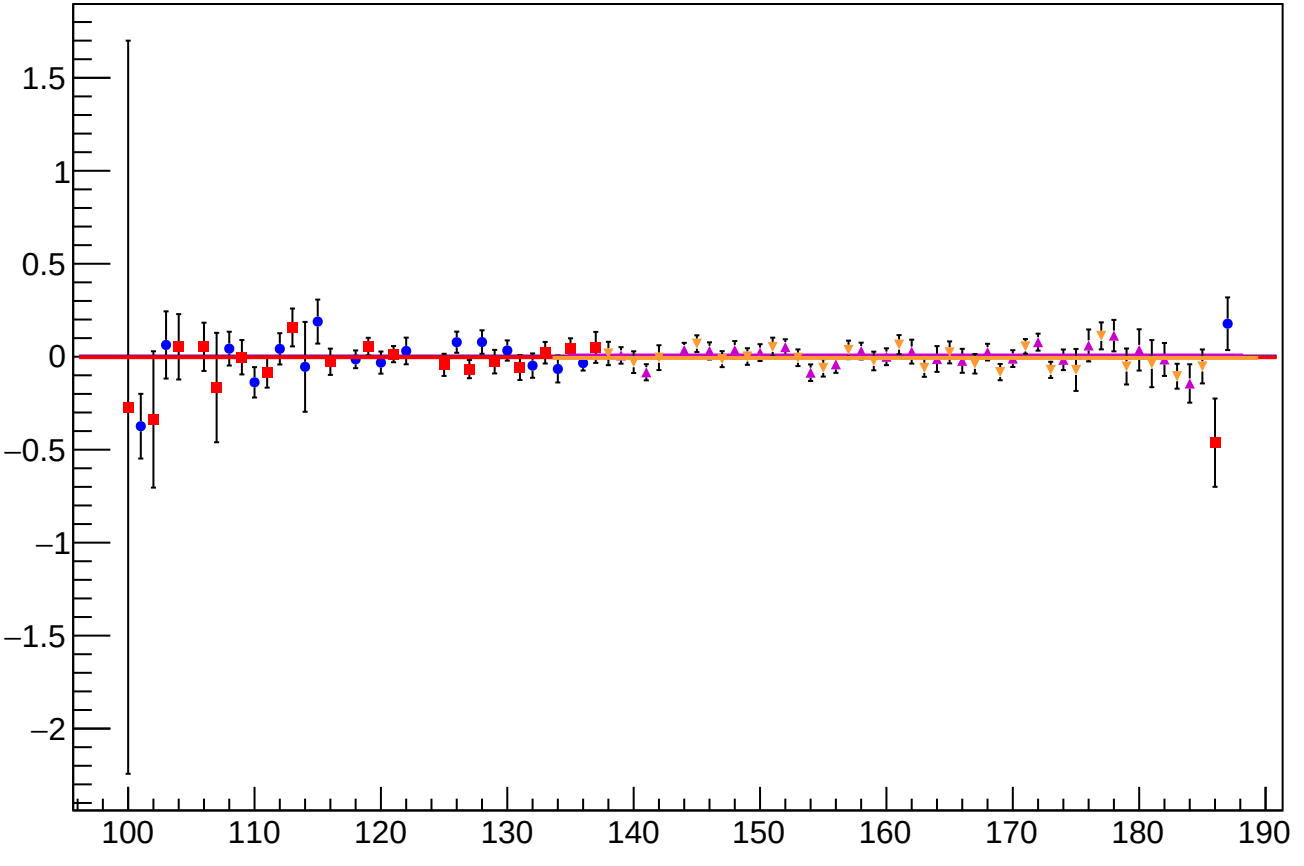
Right: 0.000+/-0.000 χ^2/NDF: 4095835.7/35

In: 0.000+/-0.000 χ^2/NDF:4649997.3/39

Out: 0.000+/-0.000 χ^2/NDF:4466652.8/42

All: 0.000+/-0.000 χ^2/NDF: 9118970.2/82

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

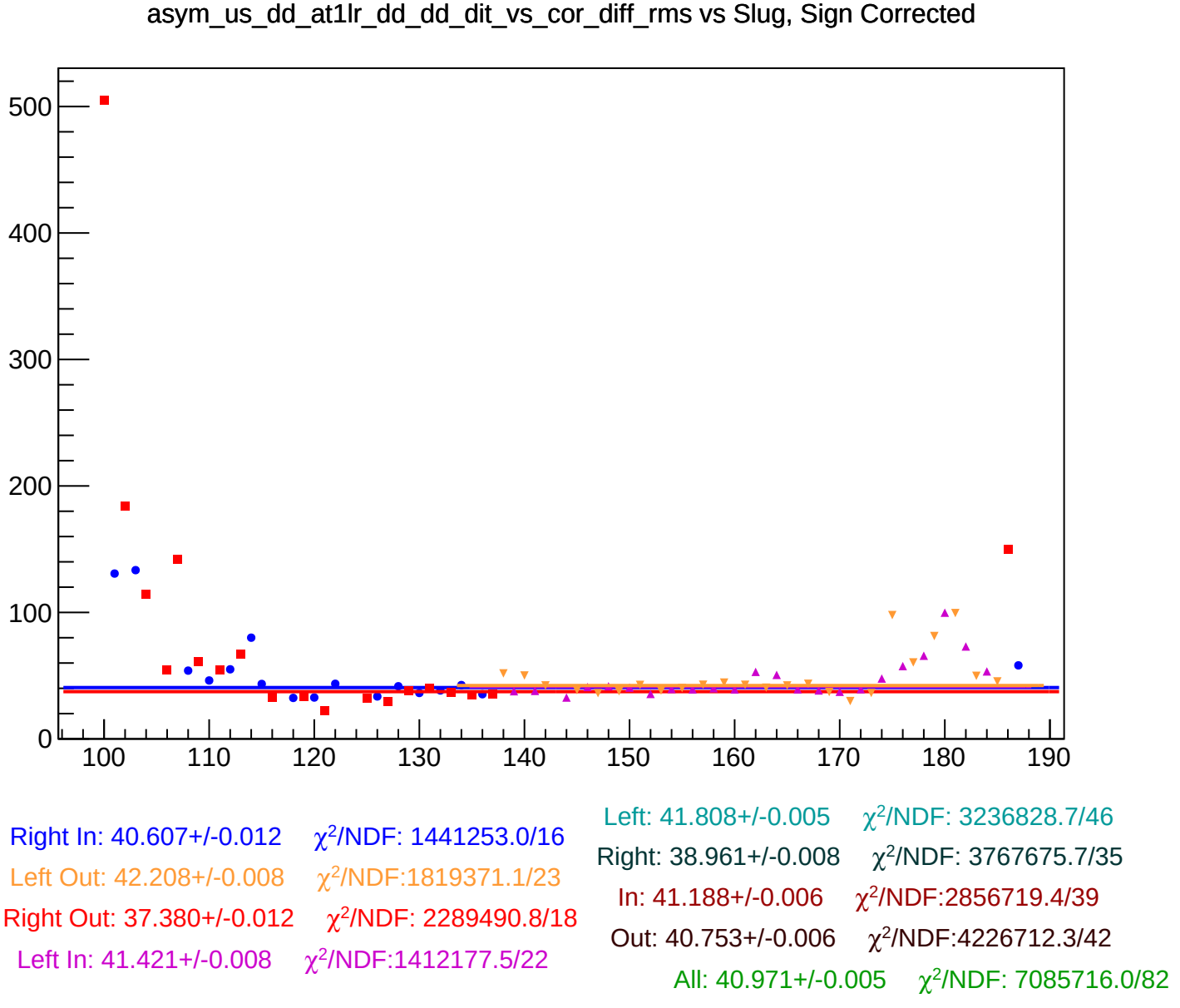
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.001+/-0.012 χ^2/NDF: 33.4/35

In: 0.005+/-0.009 χ^2/NDF:38.8/39

Out: -0.005+/-0.009 χ^2/NDF:38.7/42

All: -0.000+/-0.006 χ^2/NDF: 78.1/82


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
400
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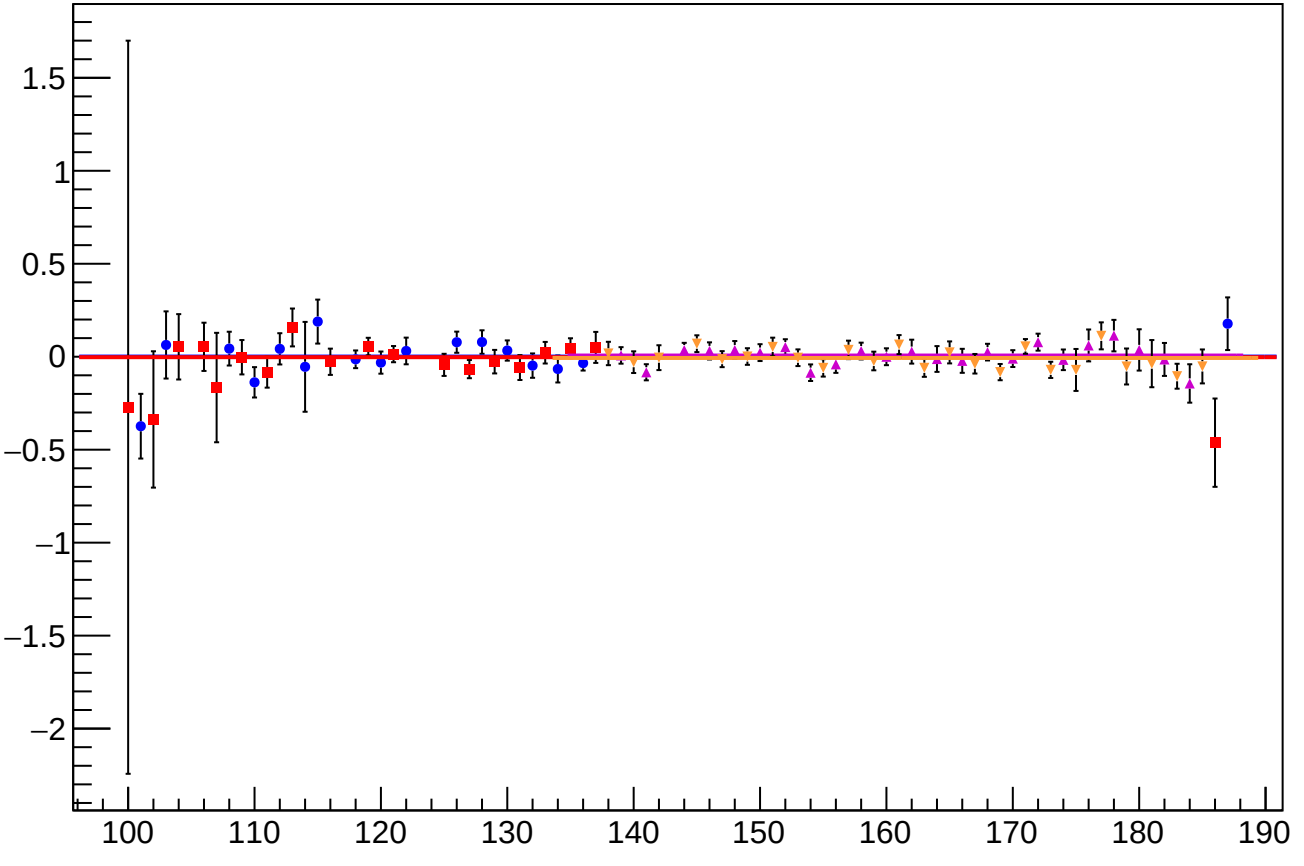
200
100
0
100
110
120
130
140
150
160
170
180
190
Right In: 40.607+/-0.012 χ2/NDF: 1441253.0/16
Left Out: 42.208+/-0.008 χ2/NDF:1819371.1/23
Right Out: 37.380+/-0.012 χ2/NDF: 2289490.8/18
Left In: 41.421+/-0.008 χ2/NDF:1412177.5/22
Left: 41.808+/-0.005 χ2/NDF: 3236828.7/46
Right: 38.961+/-0.008 χ2/NDF: 3767675.7/35
In: 41.188+/-0.006 χ2/NDF:2856719.4/39
Out: 40.753+/-0.006 χ2/NDF:4226712.3/42
All: 40.971+/-0.005 χ2/NDF: 7085716.0/82

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

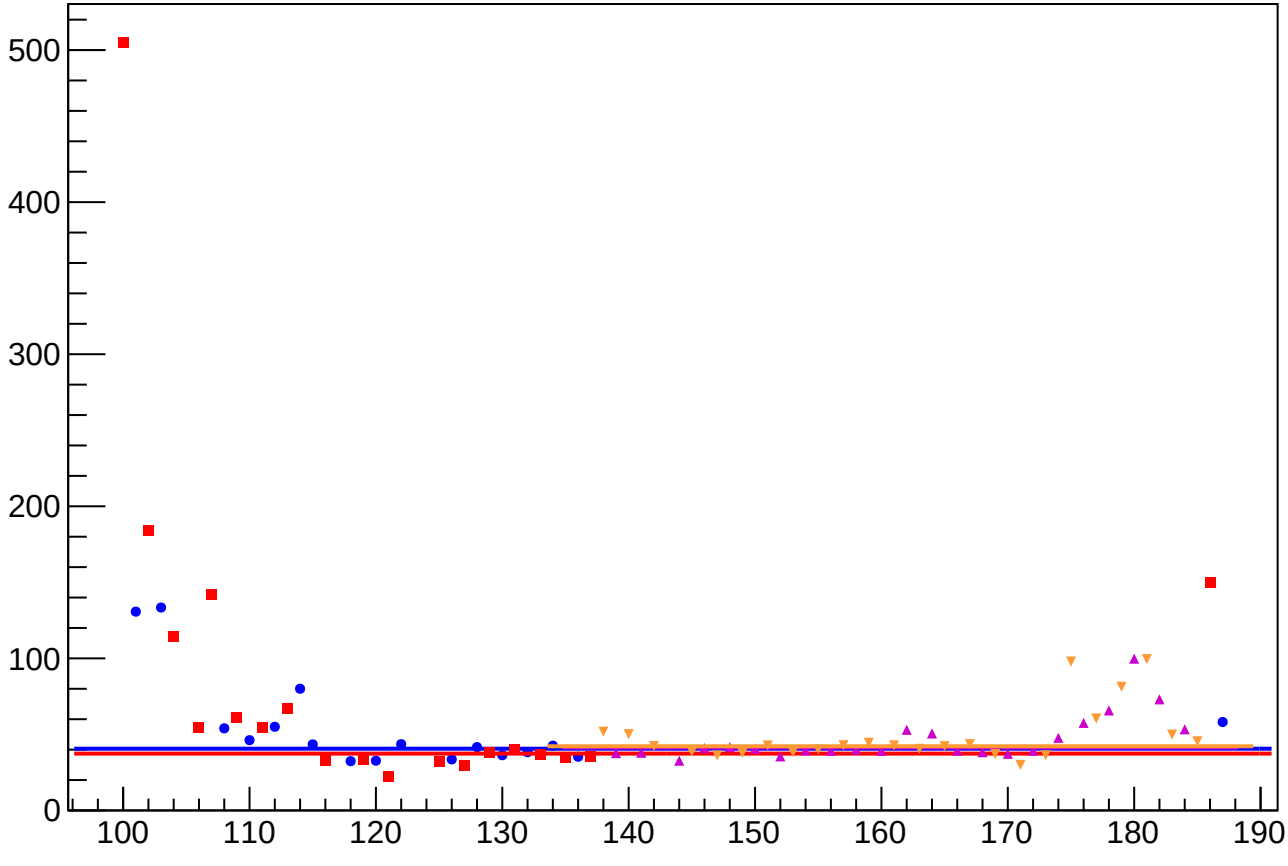
Right: -0.001+/-0.012 χ^2/NDF: 33.4/35

In: 0.005+/-0.009 χ^2/NDF:38.8/39

Out: -0.005+/-0.009 χ^2/NDF:38.7/42

All: -0.000+/-0.006 χ^2/NDF: 78.1/82

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.607+/-0.012 χ^2/NDF: 1441253.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 37.380+/-0.012 χ^2/NDF: 2289490.8/18

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

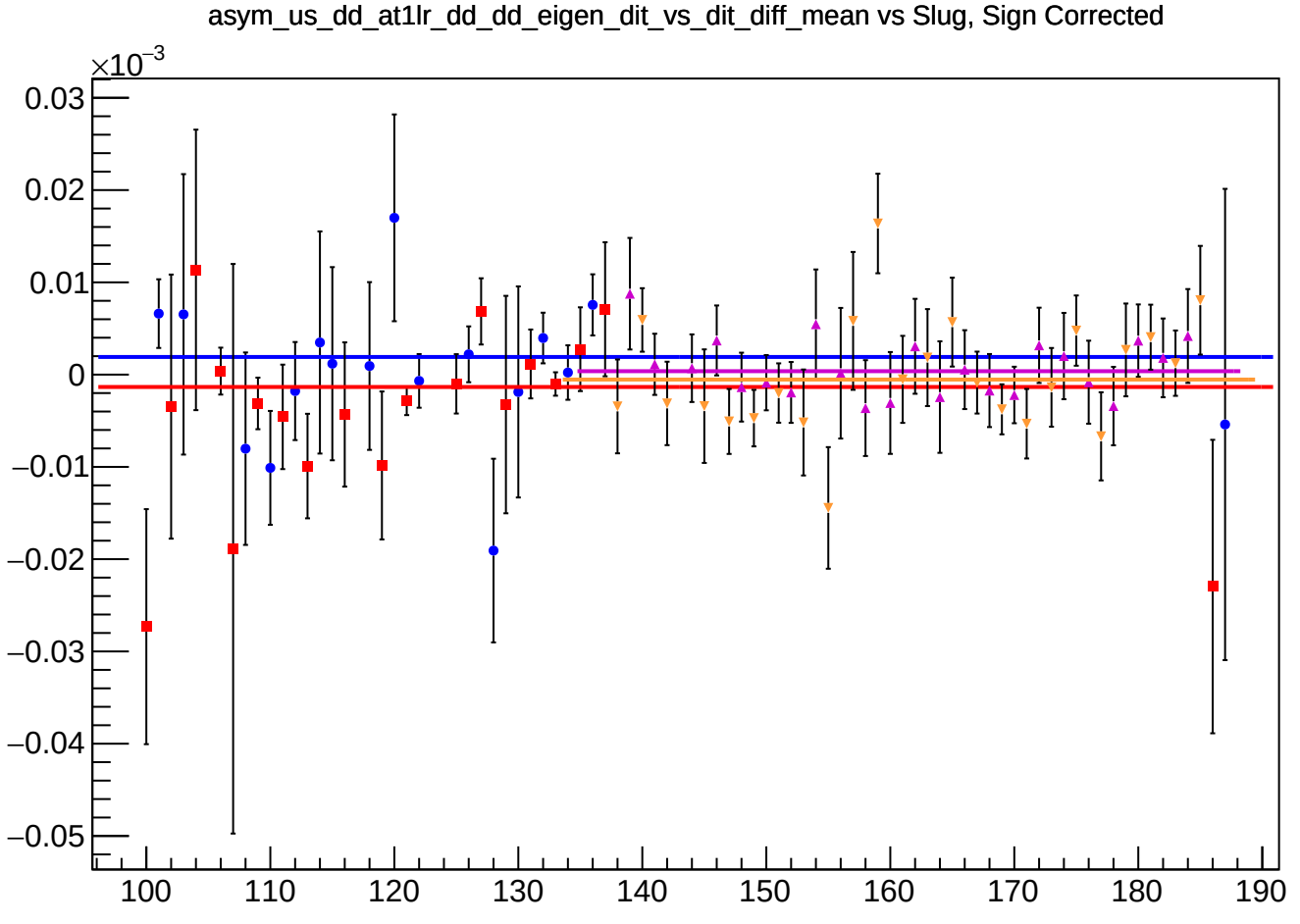
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.961+/-0.008 χ^2/NDF: 3767675.7/35

In: 41.188+/-0.006 χ^2/NDF:2856719.4/39

Out: 40.753+/-0.006 χ^2/NDF:4226712.3/42

All: 40.971+/-0.005 χ^2/NDF: 7085716.0/82



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

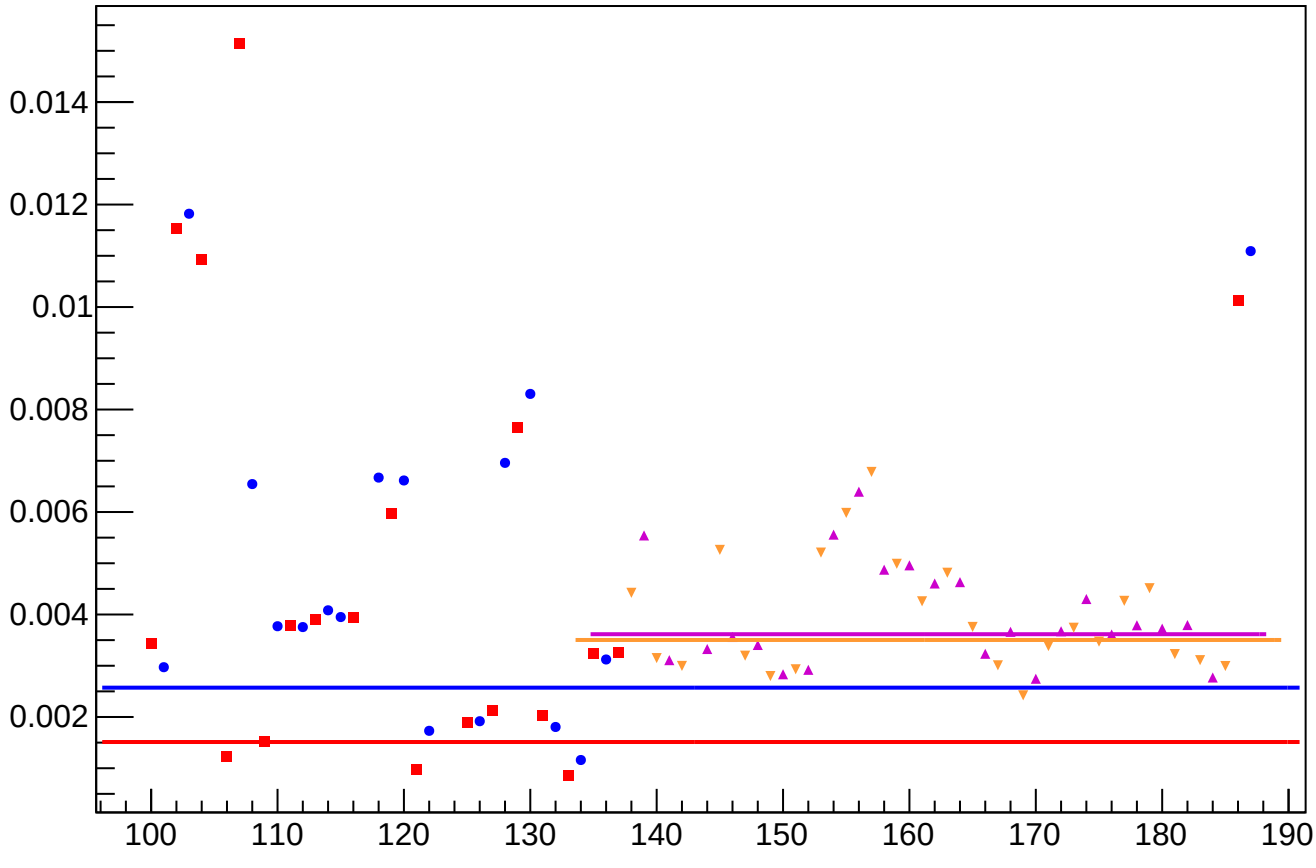
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: -0.000+/-0.000 χ^2/NDF: 44.4/35

In: 0.000+/-0.000 χ^2/NDF:28.8/39

Out: -0.000+/-0.000 χ^2/NDF:58.1/42

All: -0.000+/-0.000 χ^2/NDF: 91.5/82



Right In: 0.003+/-0.000 χ^2/NDF: 4005405.1/16

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 6151241.8/18

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

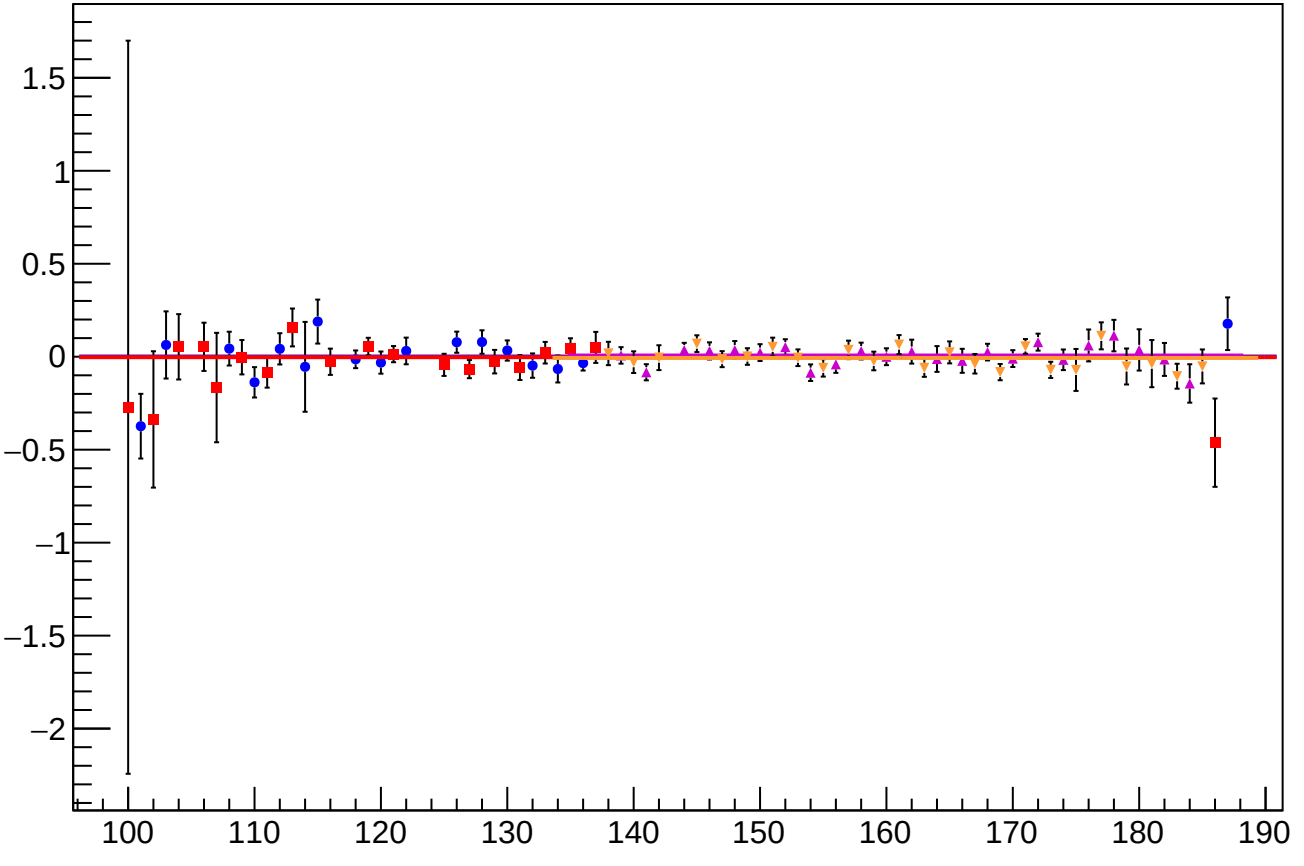
Right: 0.002+/-0.000 χ^2/NDF: 11363307.2/35

In: 0.003+/-0.000 χ^2/NDF:6730207.0/39

Out: 0.002+/-0.000 χ^2/NDF:14556250.7/42

All: 0.003+/-0.000 χ^2/NDF: 23058846.6/82

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

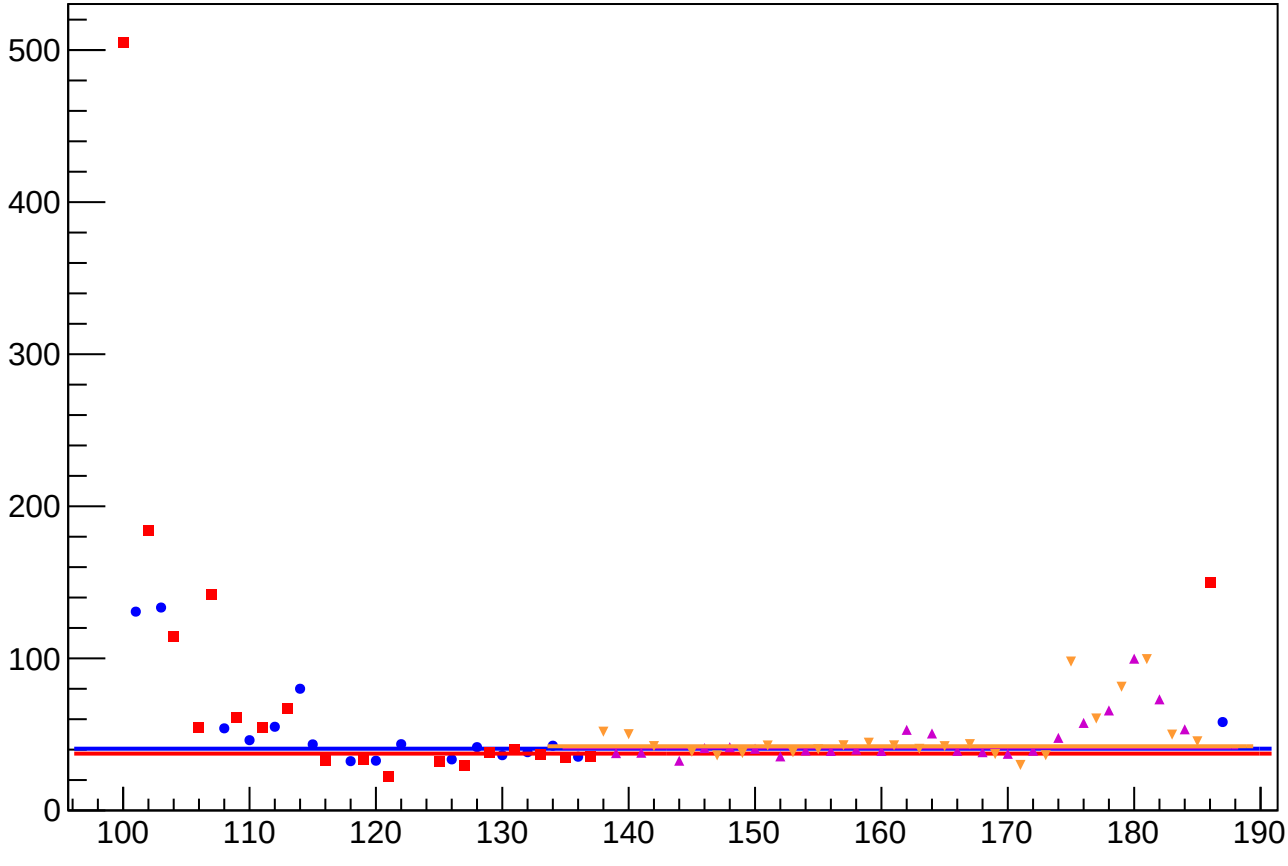
Right: -0.001+/-0.012 χ^2/NDF: 33.4/35

In: 0.005+/-0.009 χ^2/NDF:38.8/39

Out: -0.005+/-0.009 χ^2/NDF:38.7/42

All: -0.000+/-0.006 χ^2/NDF: 78.1/82

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.607+/-0.012 χ^2/NDF: 1441130.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 37.379+/-0.012 χ^2/NDF: 2289496.7/18

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

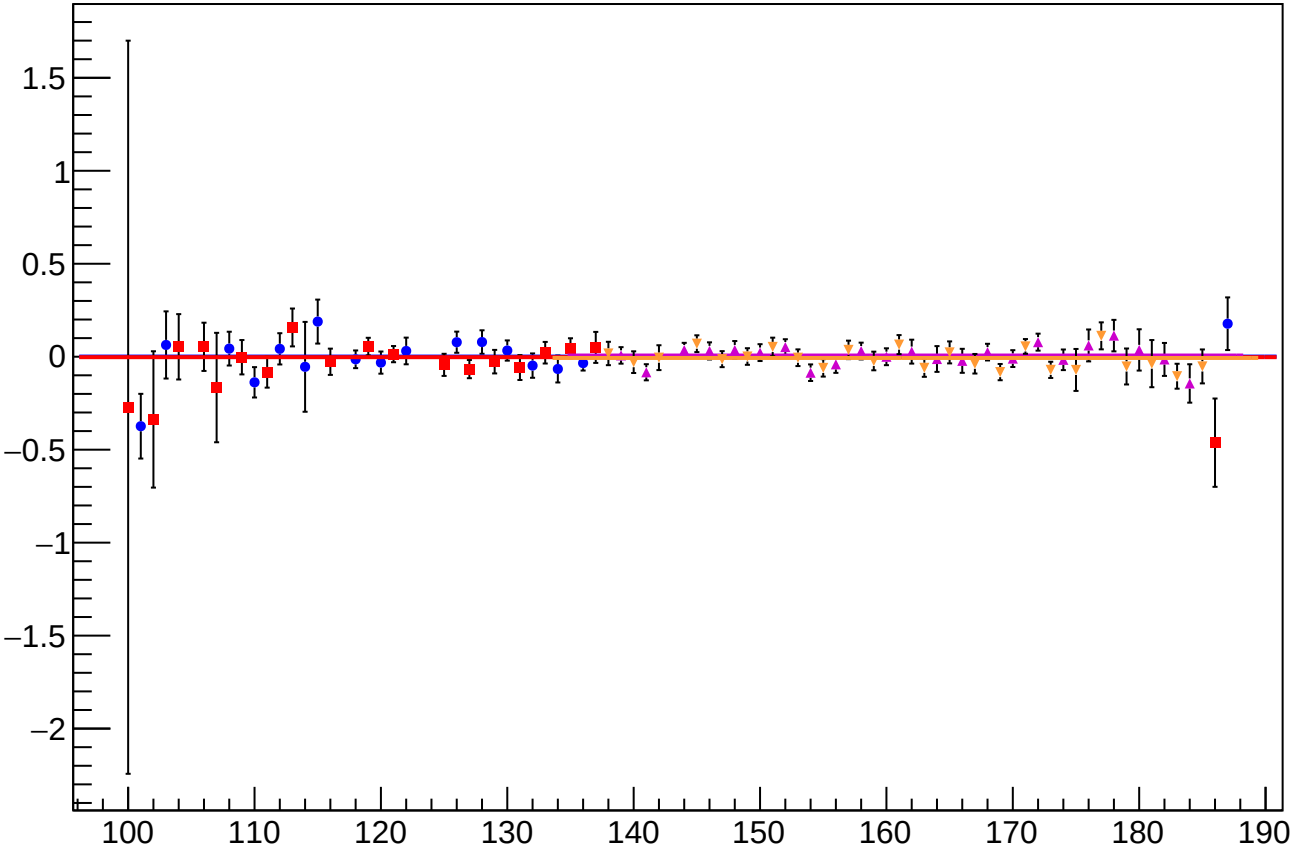
Right: 38.961+/-0.008 χ^2/NDF: 3767590.7/35

In: 41.188+/-0.006 χ^2/NDF:2856525.3/39

Out: 40.752+/-0.006 χ^2/NDF:4226757.6/42

All: 40.971+/-0.005 χ^2/NDF: 7085573.0/82

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

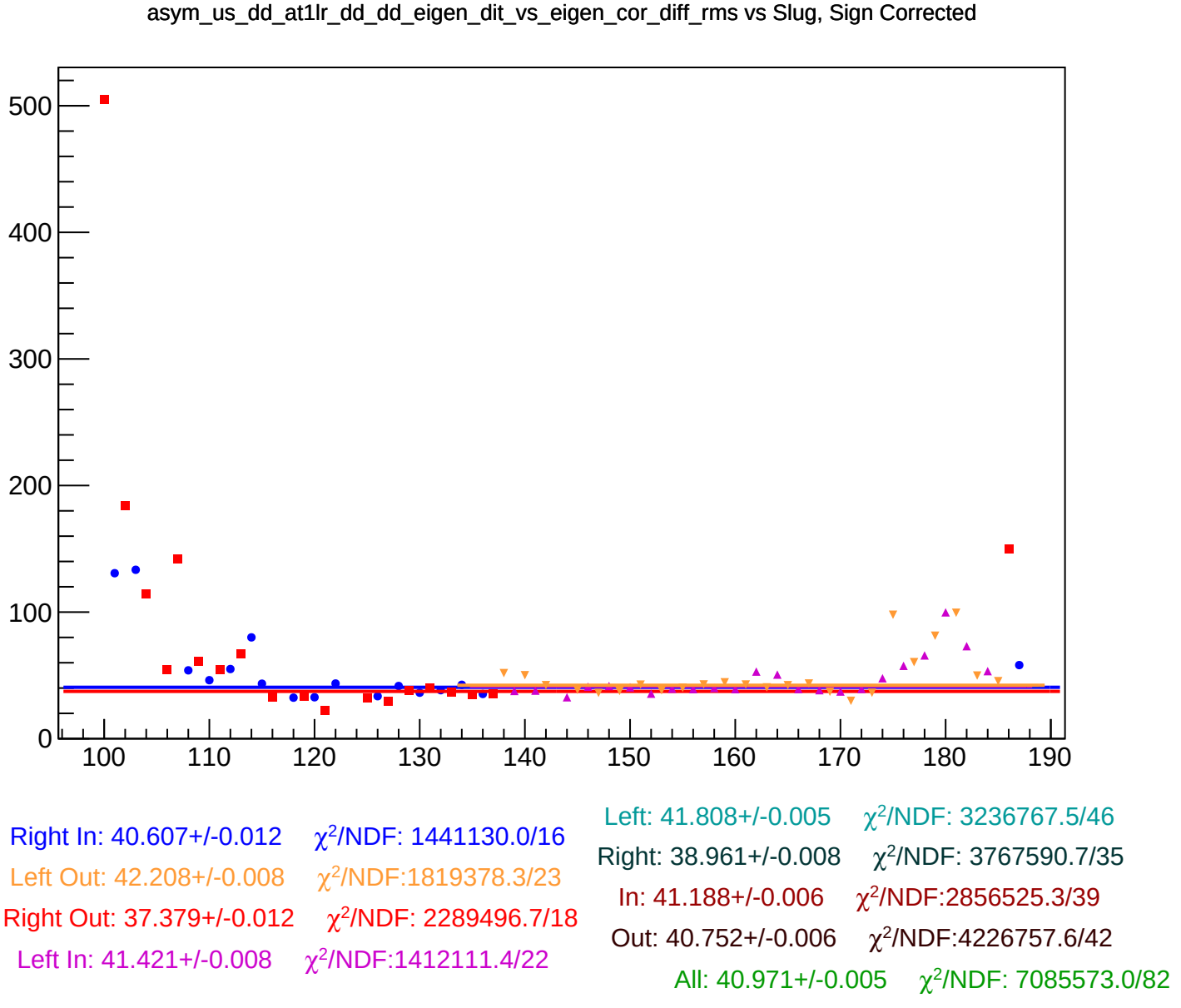
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.001+/-0.012 χ^2/NDF: 33.4/35

In: 0.005+/-0.009 χ^2/NDF:38.8/39

Out: -0.005+/-0.009 χ^2/NDF:38.7/42

All: -0.000+/-0.006 χ^2/NDF: 78.1/82


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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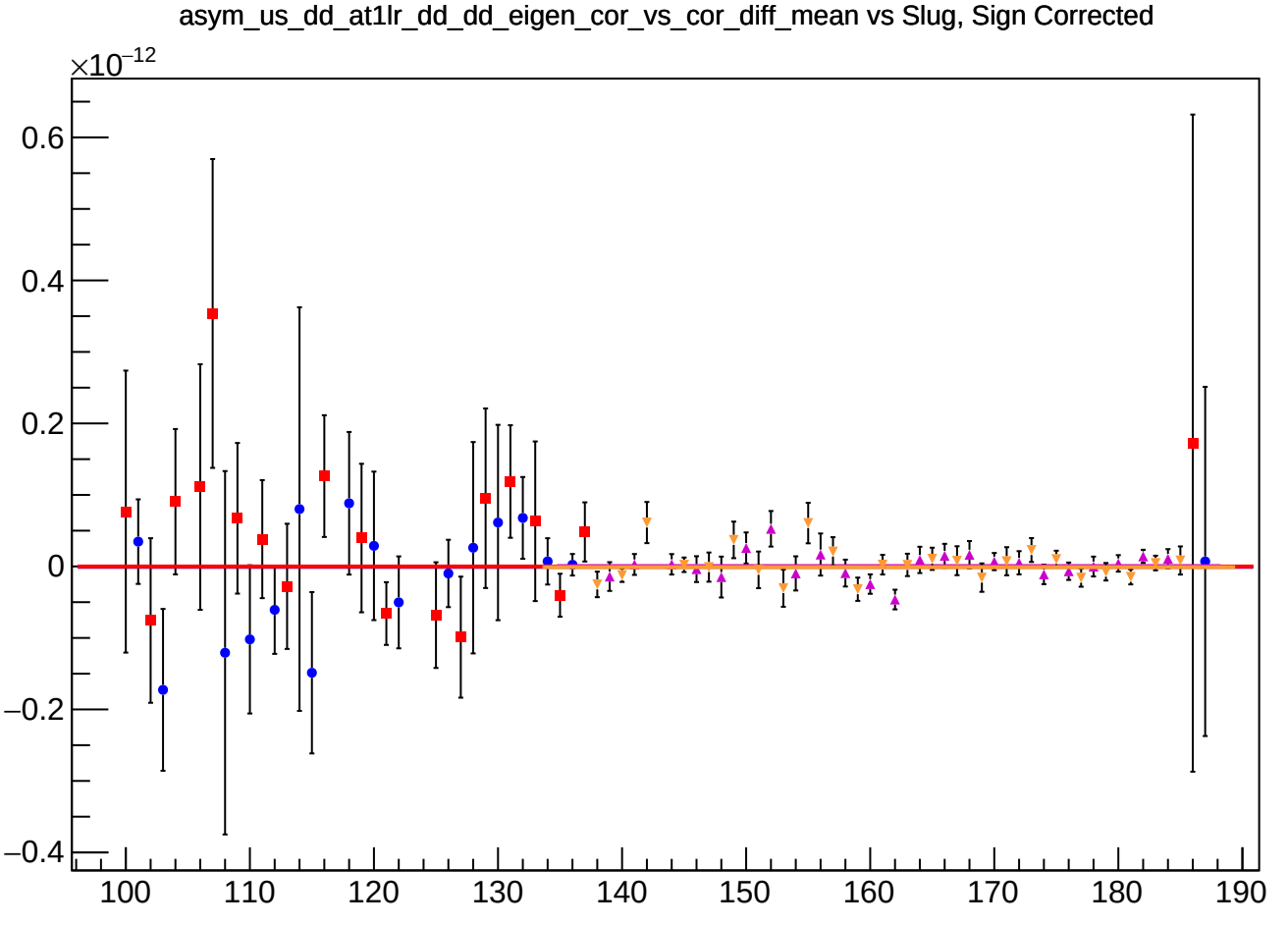
170
180
190
Right In: 40.607+/-0.012 χ2/NDF: 1441130.0/16
Left Out: 42.208+/-0.008 χ2/NDF:1819378.3/23
Right Out: 37.379+/-0.012 χ2/NDF: 2289496.7/18
Left In: 41.421+/-0.008 χ2/NDF:1412111.4/22
Left: 41.808+/-0.005 χ2/NDF: 3236767.5/46
Right: 38.961+/-0.008 χ2/NDF: 3767590.7/35
In: 41.188+/-0.006 χ2/NDF:2856525.3/39
Out: 40.752+/-0.006 χ2/NDF:4226757.6/42
All: 40.971+/-0.005 χ2/NDF: 7085573.0/82



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

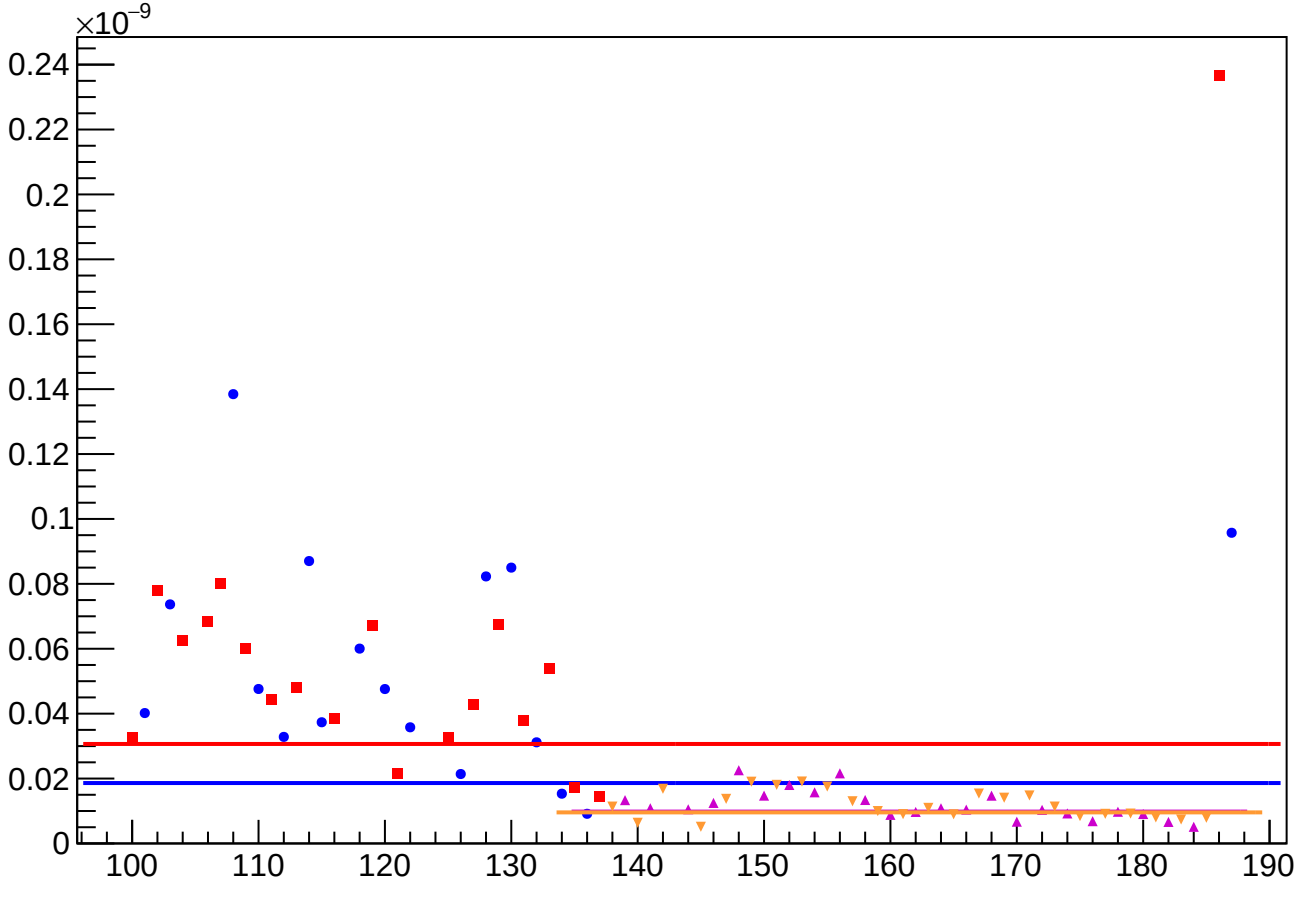
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: -0.000+/-0.000 χ^2/NDF: 28.4/35

In: 0.000+/-0.000 χ^2/NDF:38.2/39

Out: -0.000+/-0.000 χ^2/NDF:48.0/42

All: -0.000+/-0.000 χ^2/NDF: 86.3/82



Right In: 0.000+/-0.000 χ^2/NDF: 4222837.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2789416.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

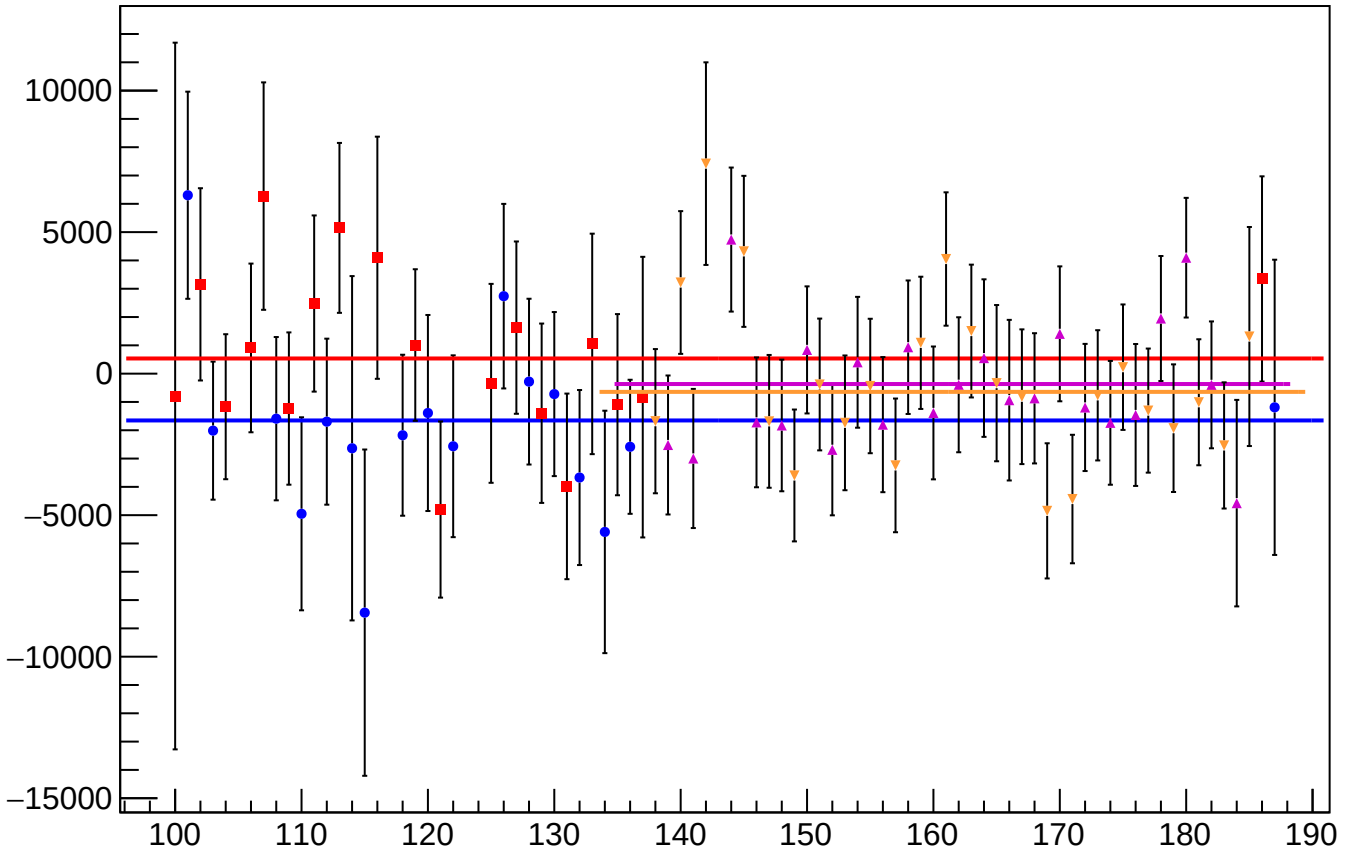
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 7730031.9/35

In: 0.000+/-0.000 χ^2/NDF:7552970.1/39

Out: 0.000+/-0.000 χ^2/NDF:8408381.5/42

All: 0.000+/-0.000 χ^2/NDF: 15963948.8/82



Right In: -1653.609+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 535.976+/-759.894 χ^2/NDF: 13.4/18

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

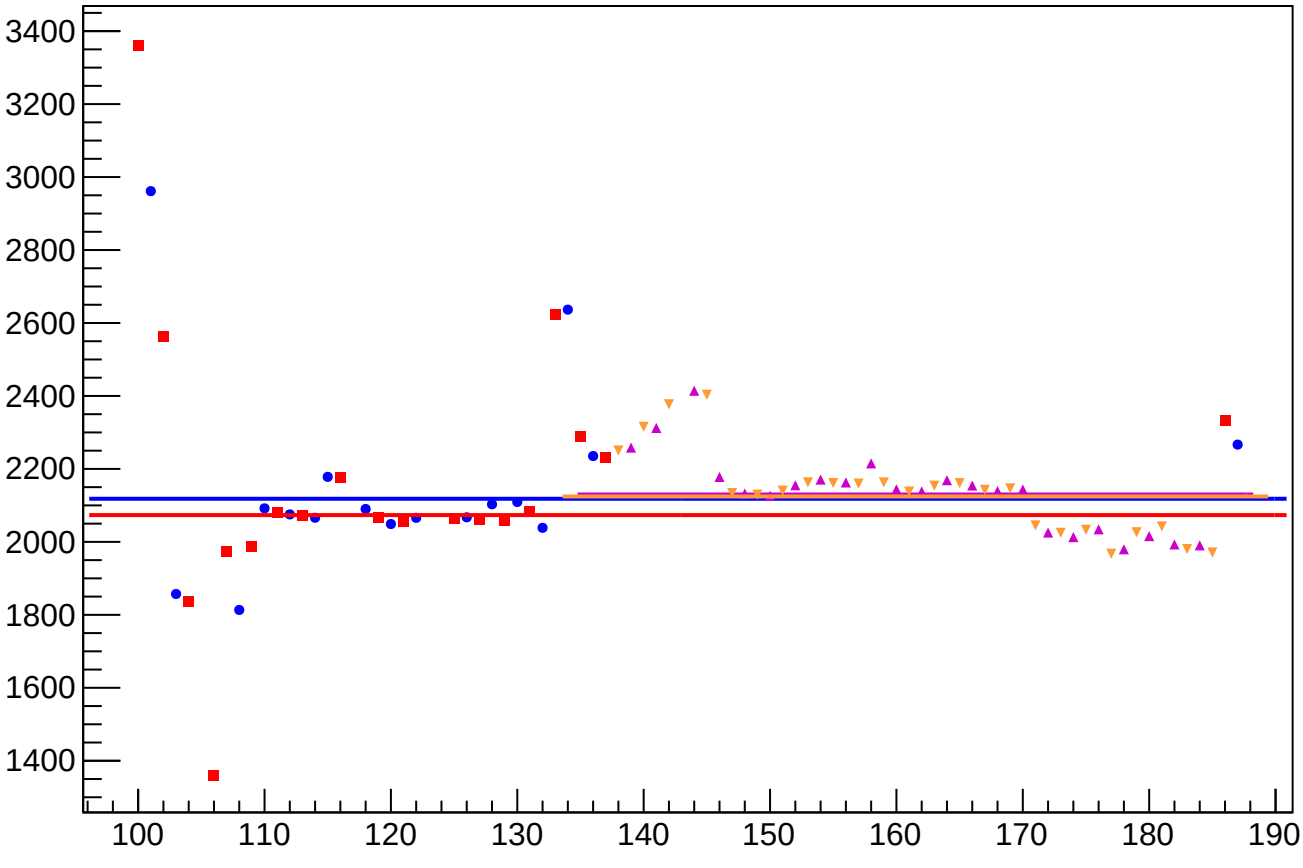
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -525.780+/-545.373 χ^2/NDF: 28.2/35

In: -737.154+/-420.175 χ^2/NDF:30.0/39

Out: -293.649+/-413.986 χ^2/NDF:42.2/42

All: -512.111+/-294.896 χ^2/NDF: 72.8/82



Right In: 2118.181+/-0.554 χ^2/NDF: 191579.7/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2073.449+/-0.537 χ^2/NDF: 259840.3/18

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

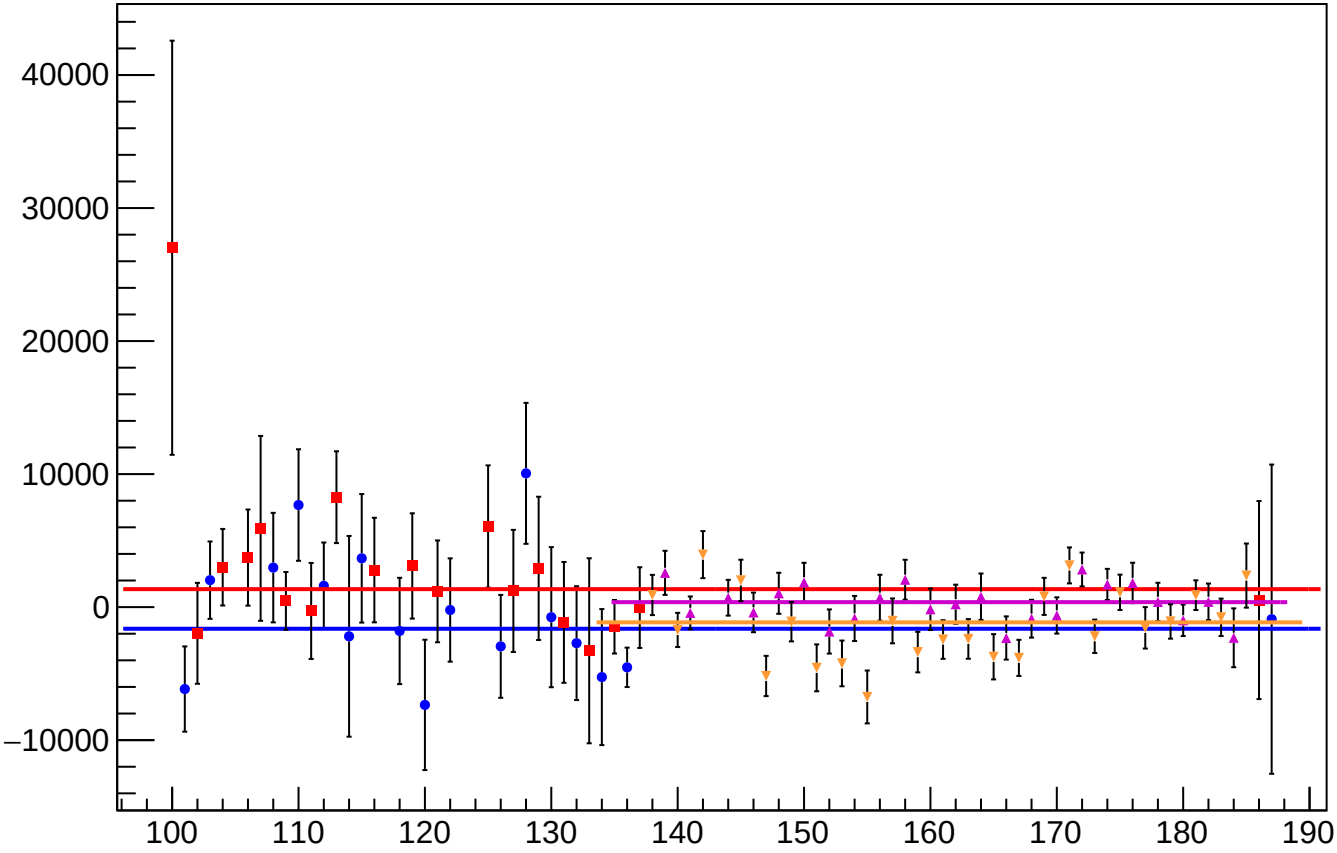
Right: 2095.140+/-0.386 χ^2/NDF: 454780.6/35

In: 2126.525+/-0.297 χ^2/NDF:277252.9/39

Out: 2109.304+/-0.293 χ^2/NDF:355356.3/42

All: 2117.786+/-0.209 χ^2/NDF: 634313.9/82

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1626.512+/-860.053 χ^2/NDF: 22.9/16

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1351.382+/-835.113 χ^2/NDF: 13.5/18

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

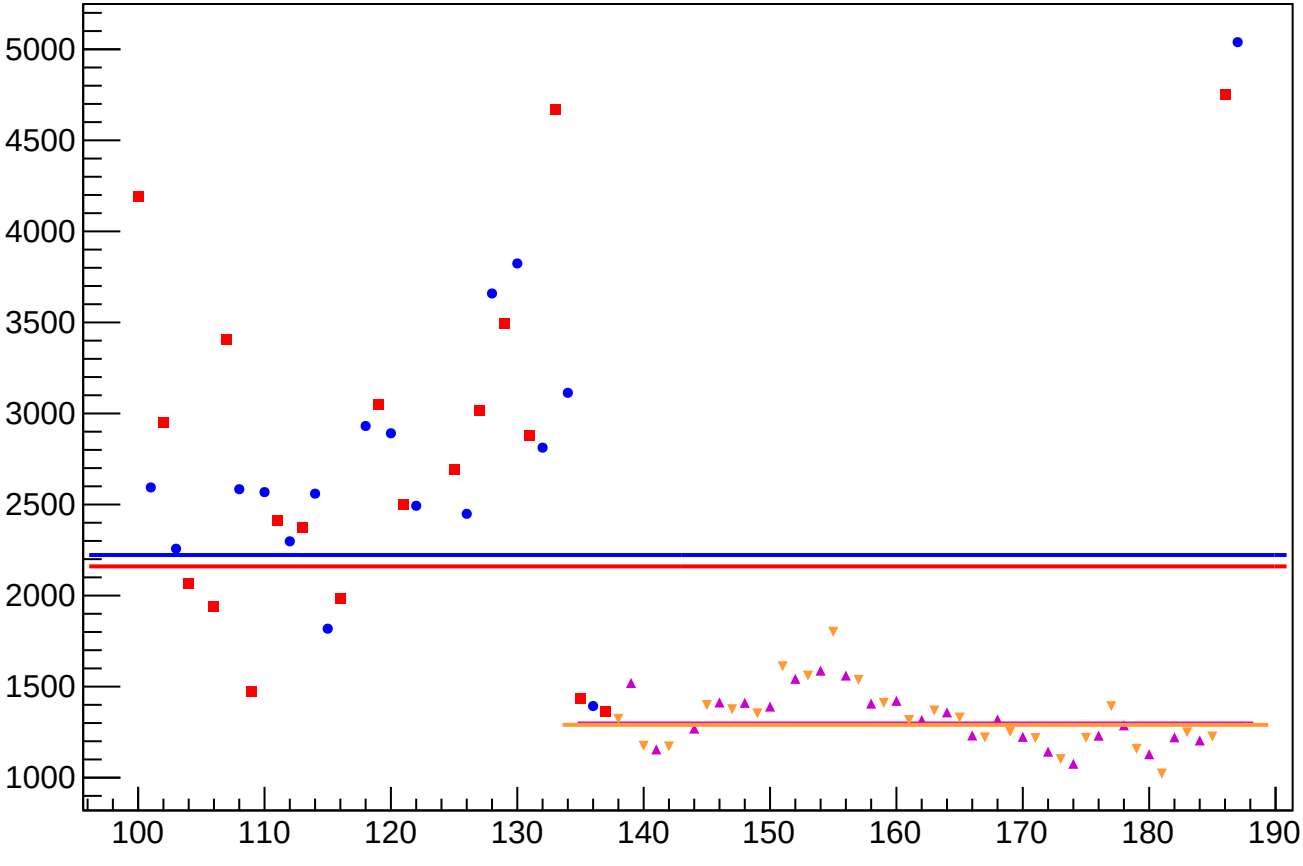
Right: -93.763+/-599.137 χ^2/NDF: 42.5/35

In: 149.405+/-287.776 χ^2/NDF:48.0/39

Out: -855.305+/-284.406 χ^2/NDF:88.9/42

All: -358.866+/-202.286 χ^2/NDF: 143.0/82

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2222.758+/-0.608 χ^2/NDF: 1367329.1/16

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2160.228+/-0.591 χ^2/NDF: 1703175.4/18

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

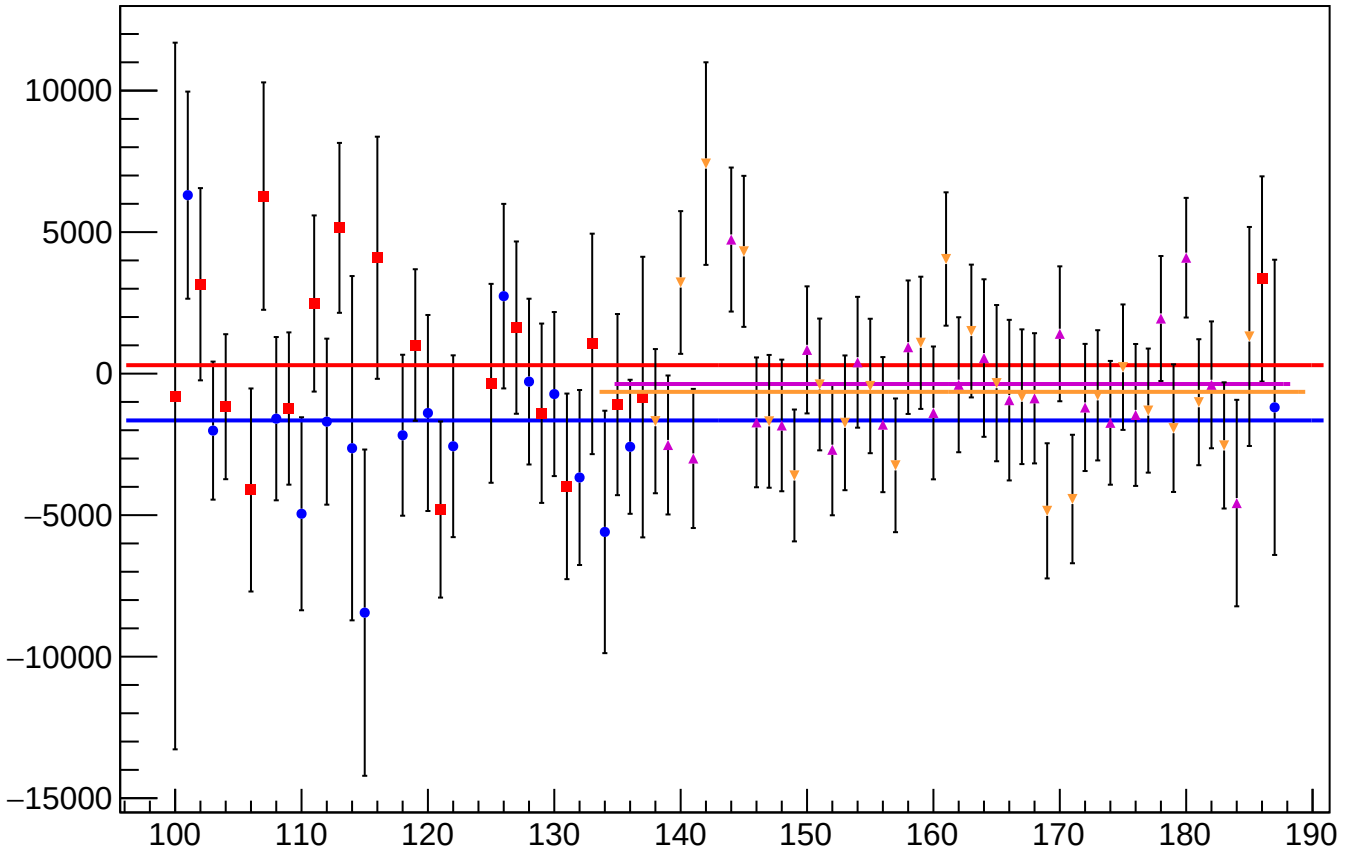
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2190.573+/-0.424 χ^2/NDF: 3075945.9/35

In: 1401.050+/-0.203 χ^2/NDF:3857126.7/39

Out: 1390.956+/-0.201 χ^2/NDF:4190847.4/42

All: 1395.944+/-0.143 χ^2/NDF: 8049219.0/82



Right In: -1653.561+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 298.809+/-767.669 χ^2/NDF: 14.9/18

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

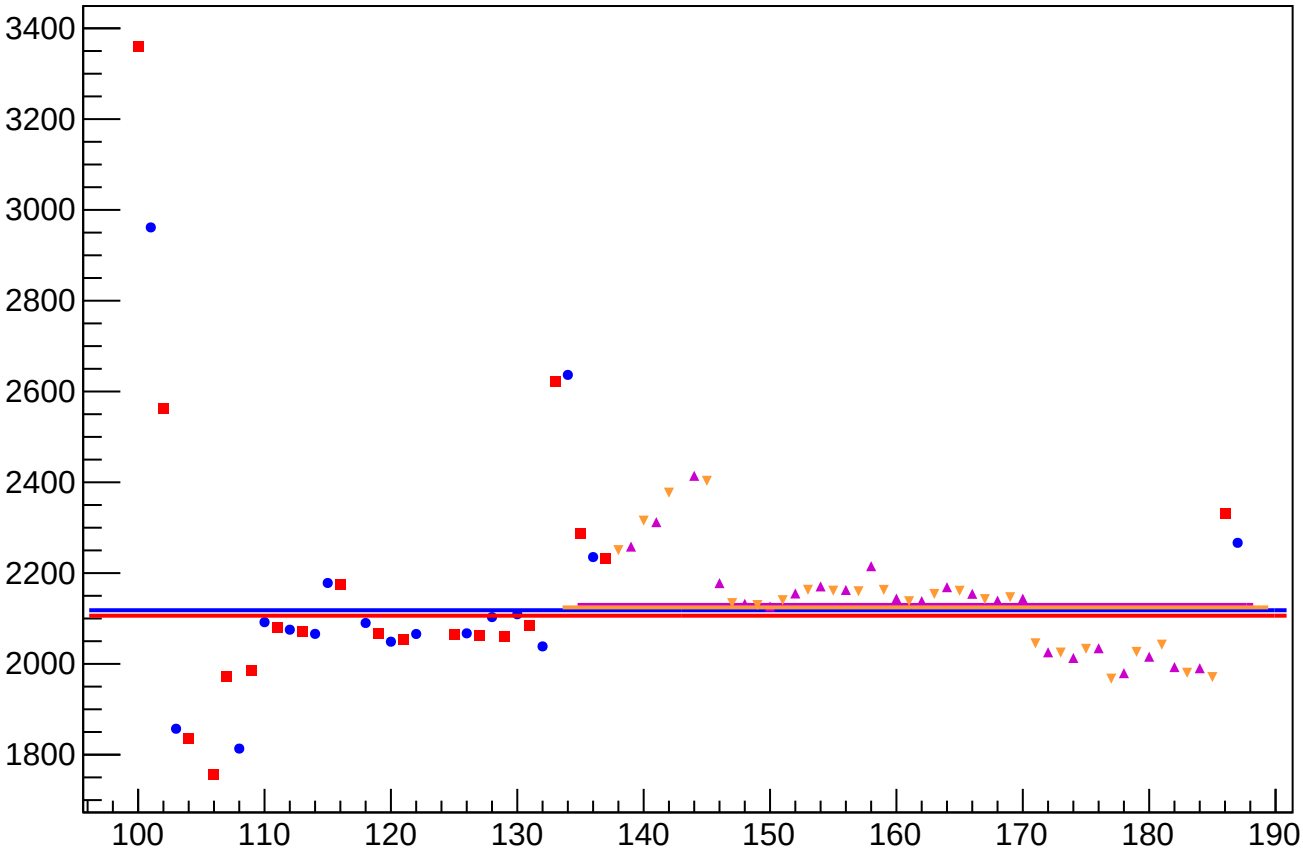
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -657.850+/-548.226 χ^2/NDF: 28.9/35

In: -737.061+/-420.175 χ^2/NDF:30.0/39

Out: -367.932+/-415.230 χ^2/NDF:43.1/42

All: -550.311+/-295.345 χ^2/NDF: 73.5/82



Right In: 2118.181+/-0.554 χ^2/NDF: 191580.0/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2106.204+/-0.543 χ^2/NDF: 157494.9/18

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

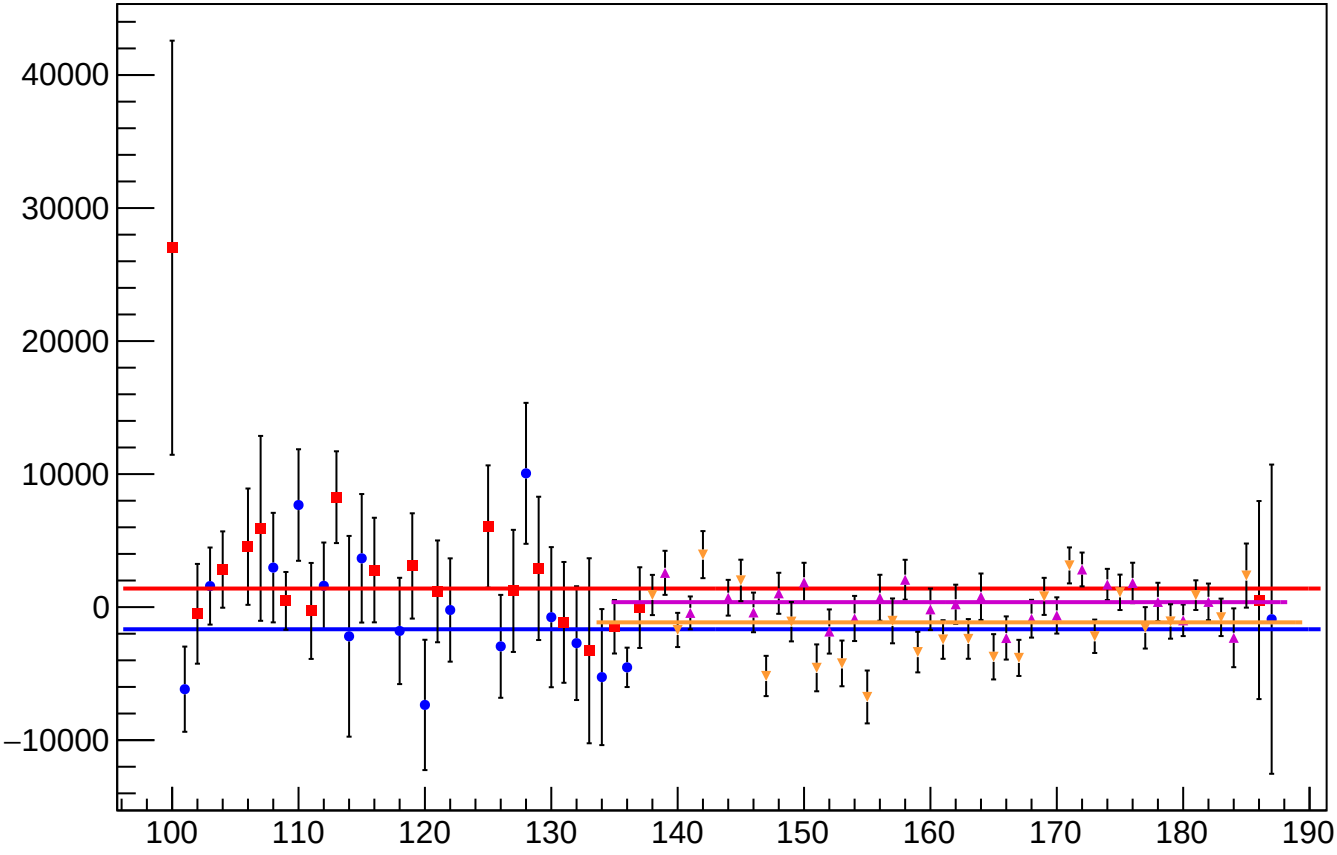
Right: 2112.073+/-0.388 χ^2/NDF: 349313.5/35

In: 2126.525+/-0.297 χ^2/NDF:277253.2/39

Out: 2119.103+/-0.294 χ^2/NDF:247477.1/42

All: 2122.770+/-0.209 χ^2/NDF: 525045.9/82

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1664.316+/-859.764 χ^2/NDF: 22.5/16

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1396.765+/-841.638 χ^2/NDF: 13.0/18

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

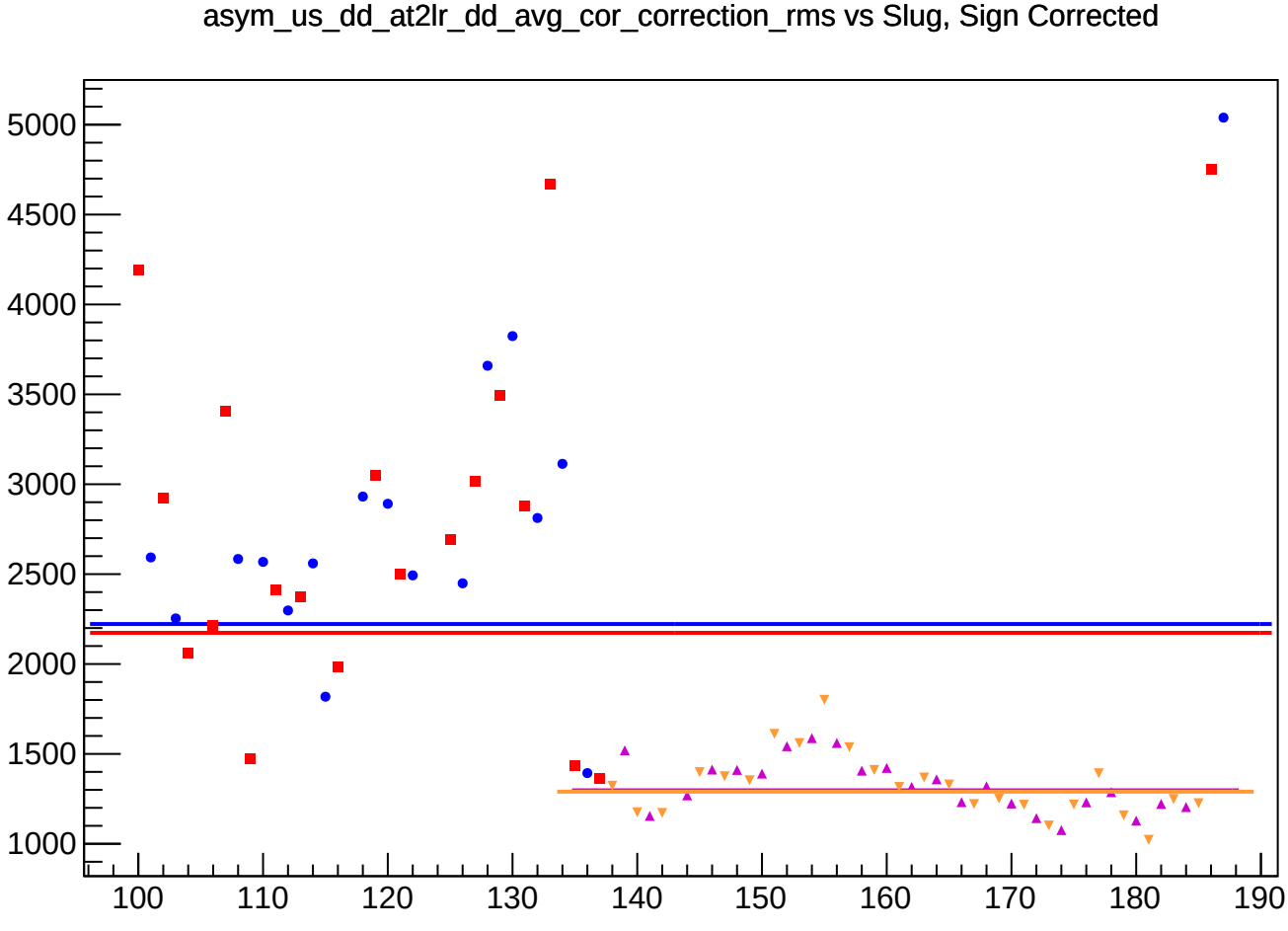
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -101.168+/-601.434 χ^2/NDF: 42.0/35

In: 144.933+/-287.765 χ^2/NDF:47.8/39

Out: -854.036+/-284.663 χ^2/NDF:88.6/42

All: -359.965+/-202.375 χ^2/NDF: 142.5/82



Right In: 2222.413+/-0.608 χ^2/NDF: 1367114.1/16

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2173.418+/-0.595 χ^2/NDF: 1691055.8/18

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

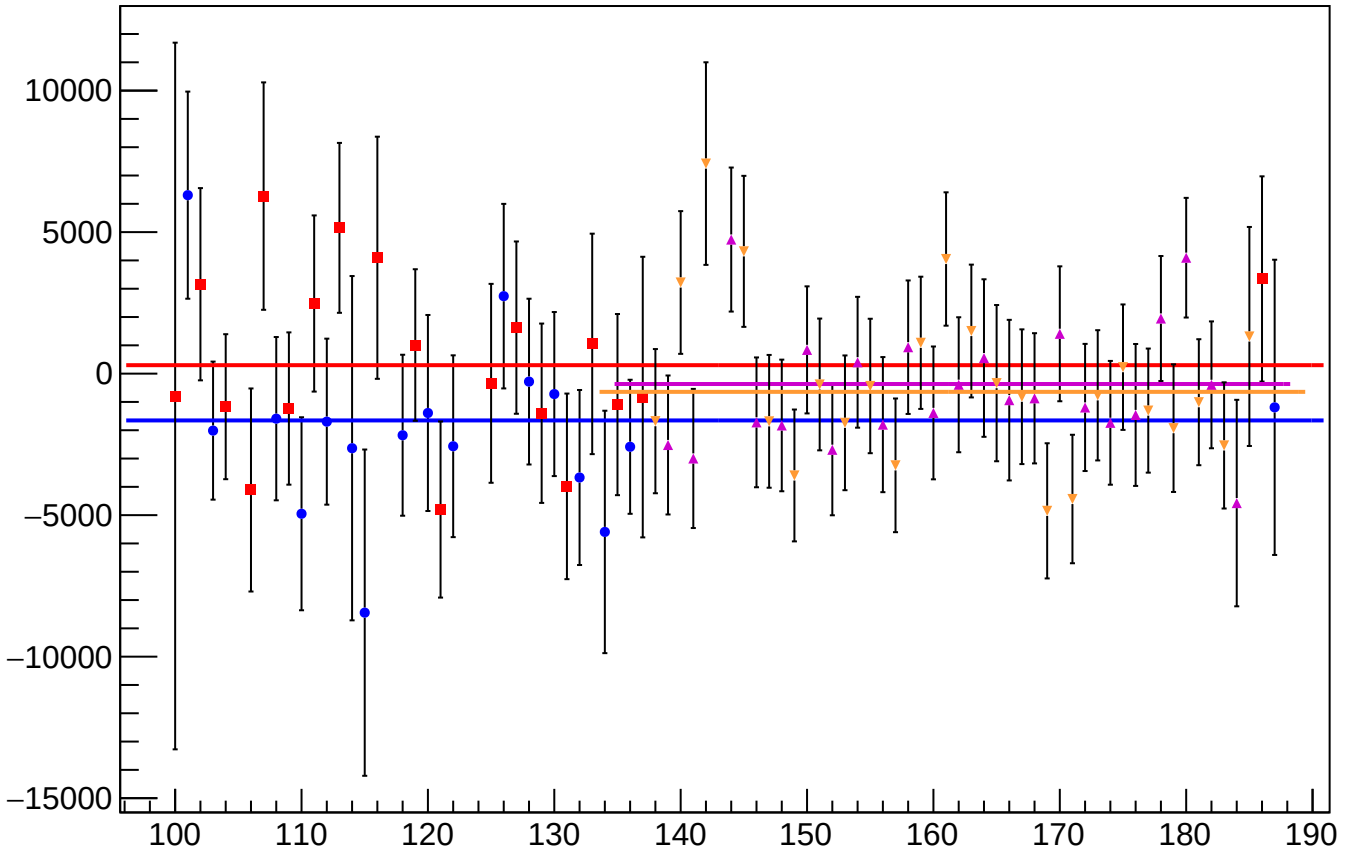
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2197.394+/-0.425 χ^2/NDF: 3061486.7/35

In: 1401.077+/-0.203 χ^2/NDF:3856601.8/39

Out: 1391.096+/-0.201 χ^2/NDF:4210181.5/42

All: 1396.032+/-0.143 χ^2/NDF: 8067999.4/82



Right In: -1653.561+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 298.809+/-767.669 χ^2/NDF: 14.9/18

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

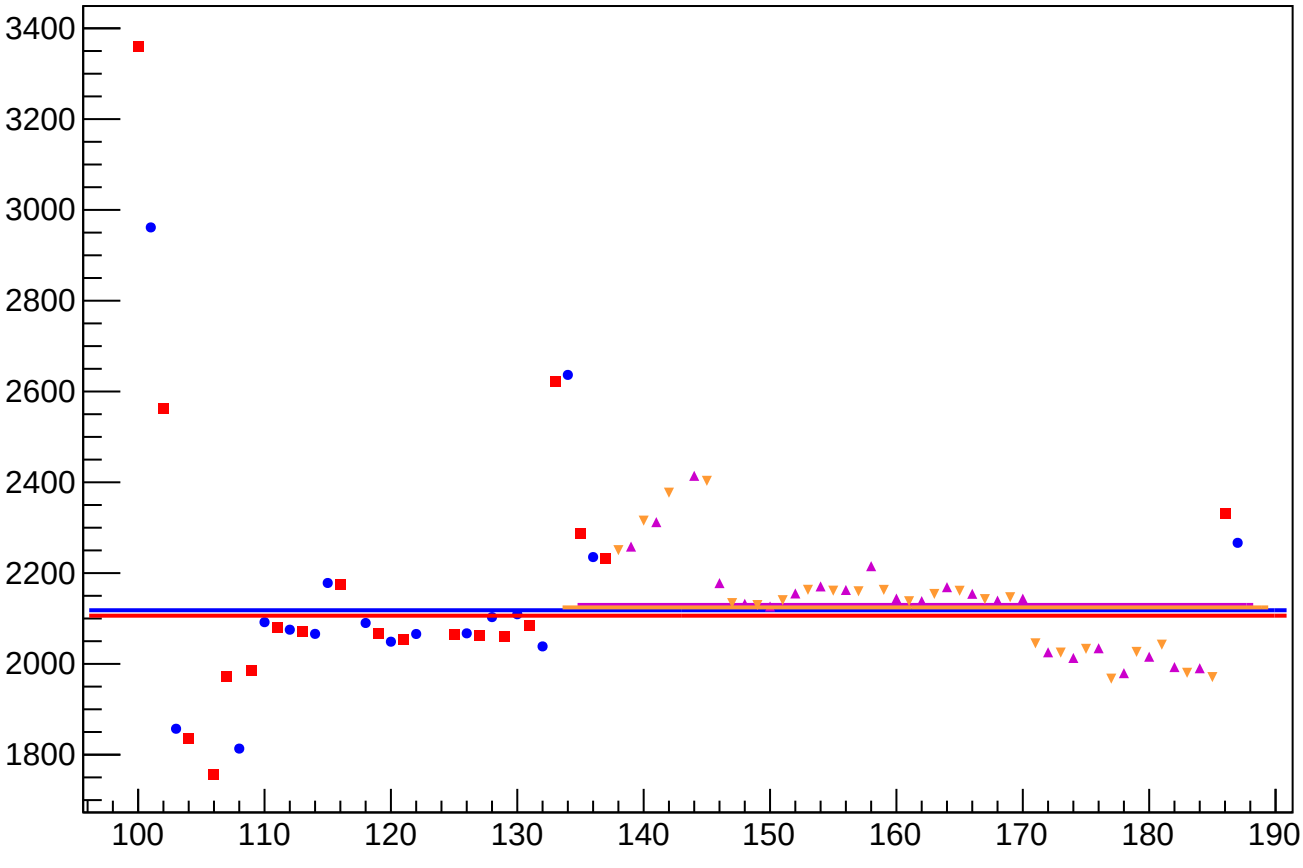
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -657.850+/-548.226 χ^2/NDF: 28.9/35

In: -737.061+/-420.175 χ^2/NDF:30.0/39

Out: -367.932+/-415.230 χ^2/NDF:43.1/42

All: -550.311+/-295.345 χ^2/NDF: 73.5/82



Right In: 2118.181+/-0.554 χ^2/NDF: 191580.0/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2106.204+/-0.543 χ^2/NDF: 157494.9/18

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

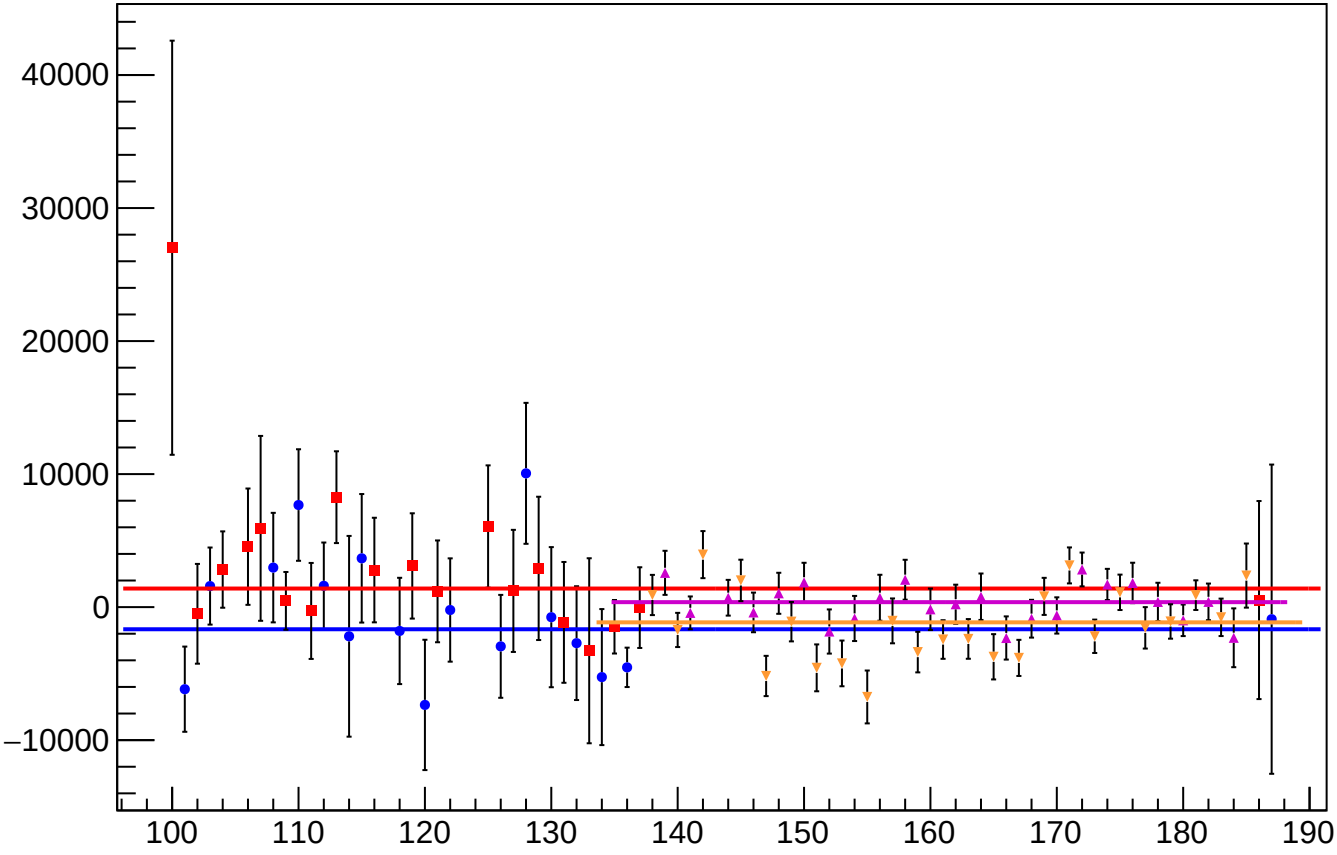
Right: 2112.073+/-0.388 χ^2/NDF: 349313.5/35

In: 2126.525+/-0.297 χ^2/NDF:277253.2/39

Out: 2119.103+/-0.294 χ^2/NDF:247477.1/42

All: 2122.770+/-0.209 χ^2/NDF: 525045.9/82

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1664.316+/-859.764 χ^2/NDF: 22.5/16

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1396.765+/-841.638 χ^2/NDF: 13.0/18

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

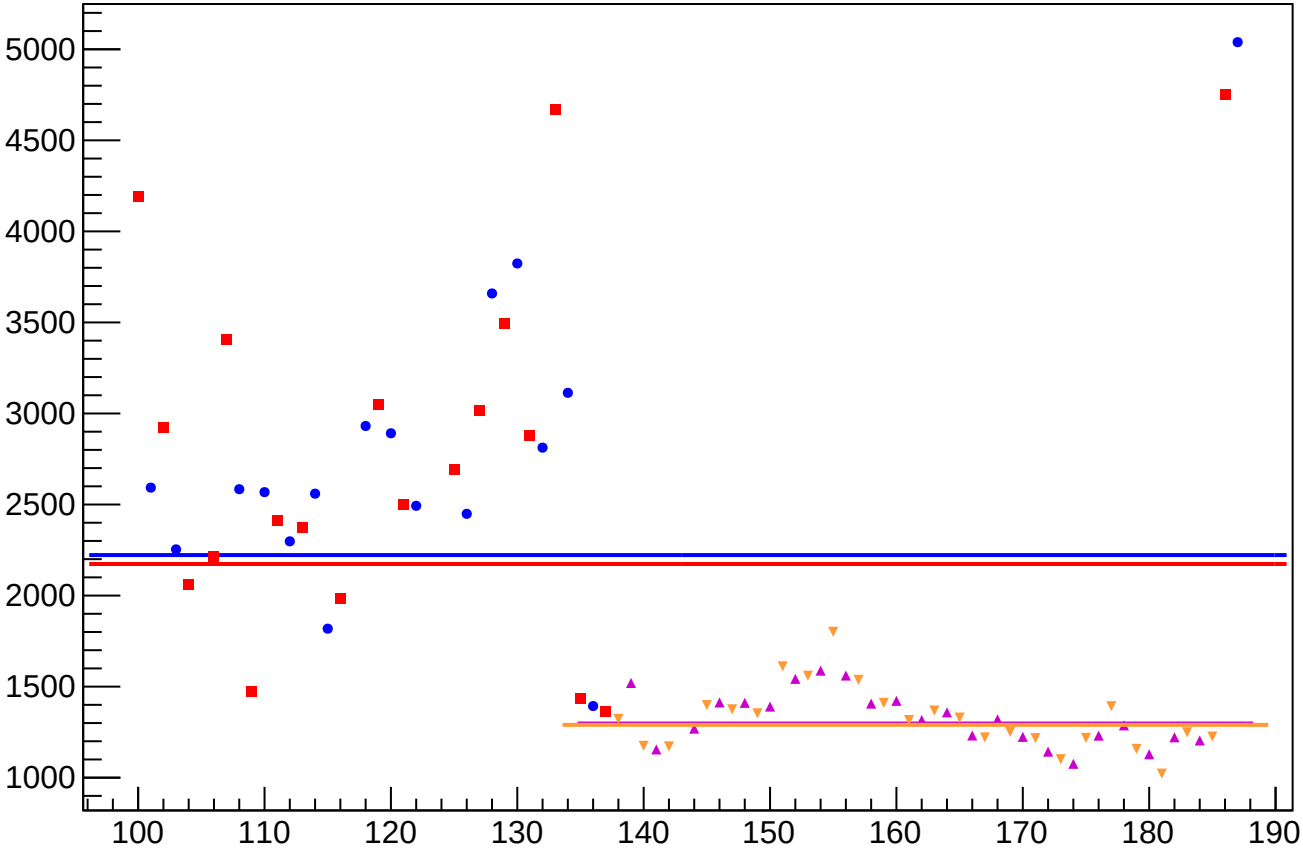
Right: -101.168+/-601.434 χ^2/NDF: 42.0/35

In: 144.933+/-287.765 χ^2/NDF:47.8/39

Out: -854.036+/-284.663 χ^2/NDF:88.6/42

All: -359.965+/-202.375 χ^2/NDF: 142.5/82

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2222.413+/-0.608 χ^2/NDF: 1367114.1/16

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2173.418+/-0.595 χ^2/NDF: 1691055.8/18

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

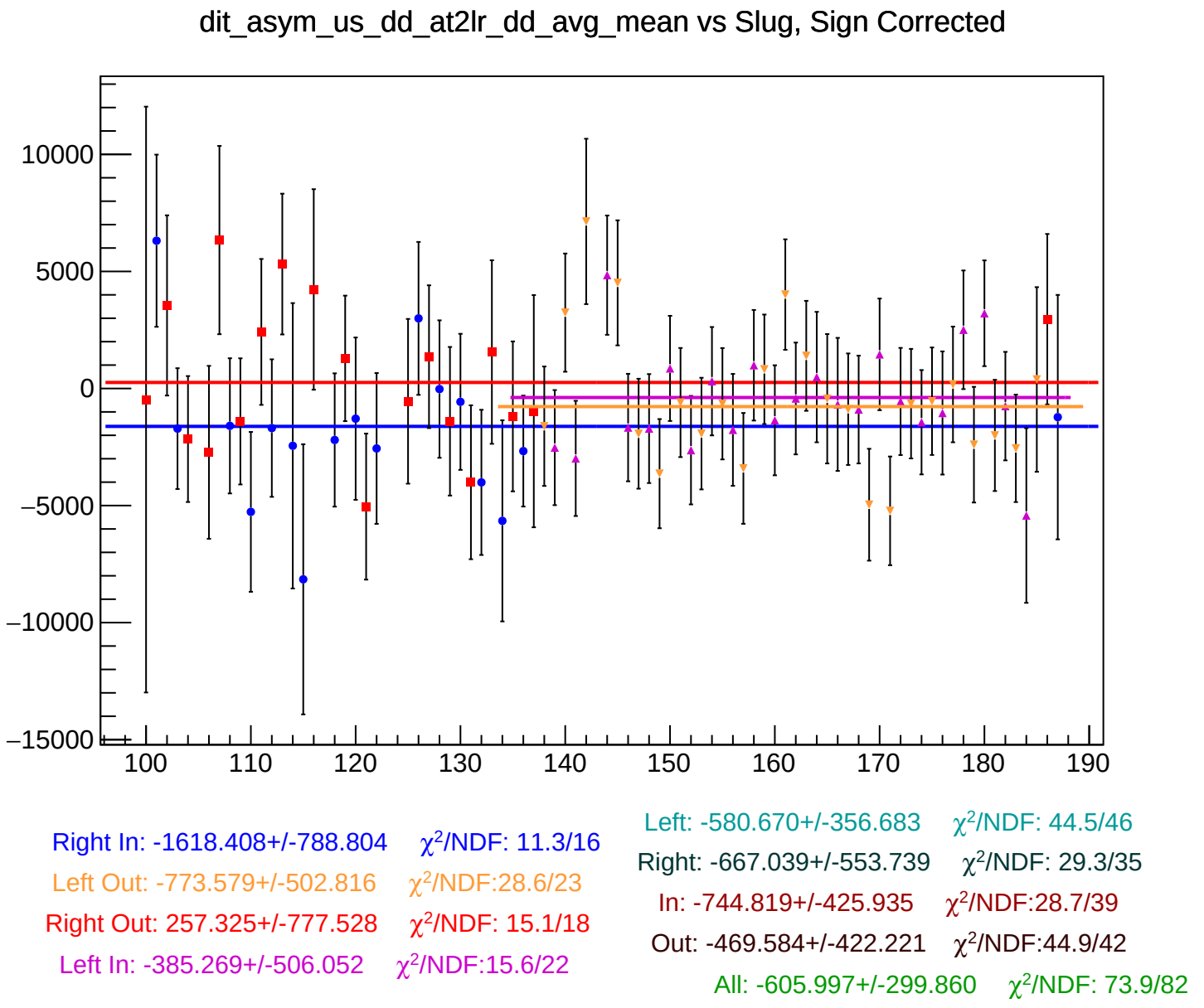
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

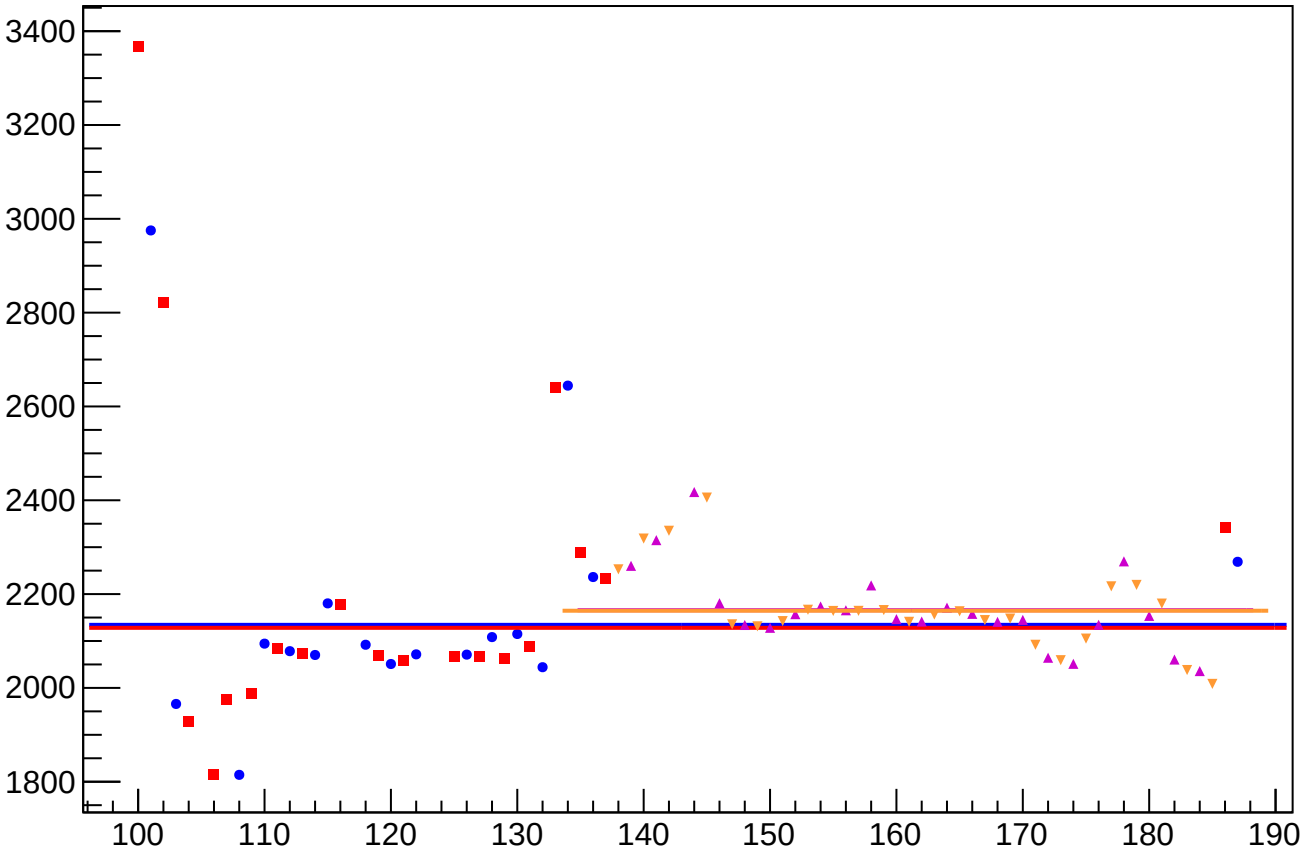
Right: 2197.394+/-0.425 χ^2/NDF: 3061486.7/35

In: 1401.077+/-0.203 χ^2/NDF:3856601.8/39

Out: 1391.096+/-0.201 χ^2/NDF:4210181.5/42

All: 1396.032+/-0.143 χ^2/NDF: 8067999.4/82


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
170
180
190
Right In: -1618.408+/-788.804 χ²/NDF: 11.3/16
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 257.325+/-777.528 χ²/NDF: 15.1/18
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -667.039+/-553.739 χ²/NDF: 29.3/35
In: -744.819+/-425.935 χ²/NDF:28.7/39
Out: -469.584+/-422.221 χ²/NDF:44.9/42
All: -605.997+/-299.860 χ²/NDF: 73.9/82



Right In: 2134.439+/-0.558 χ^2/NDF: 177300.0/16

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2128.074+/-0.550 χ^2/NDF: 170830.1/18

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

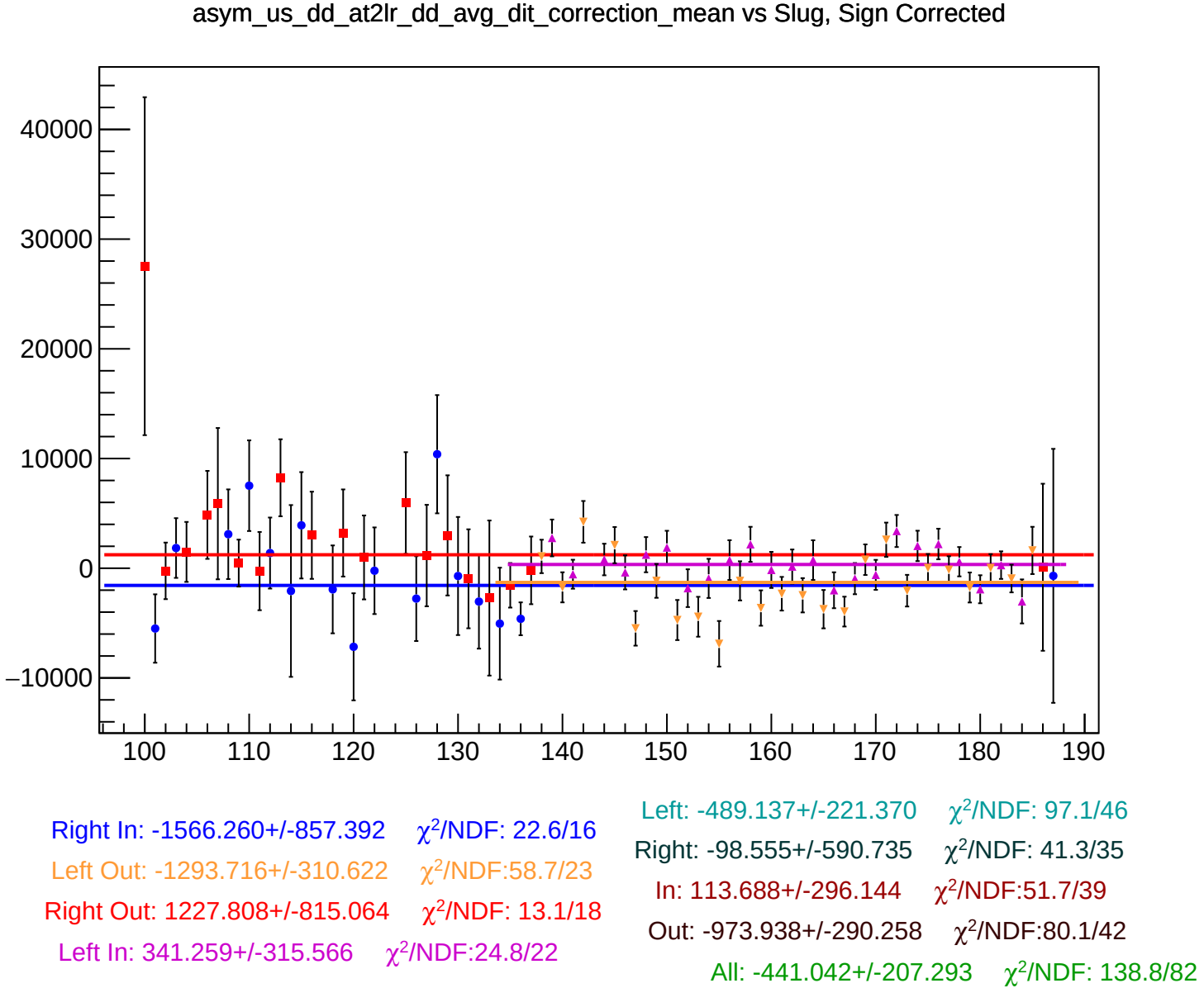
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2131.210+/-0.392 χ^2/NDF: 348196.2/35

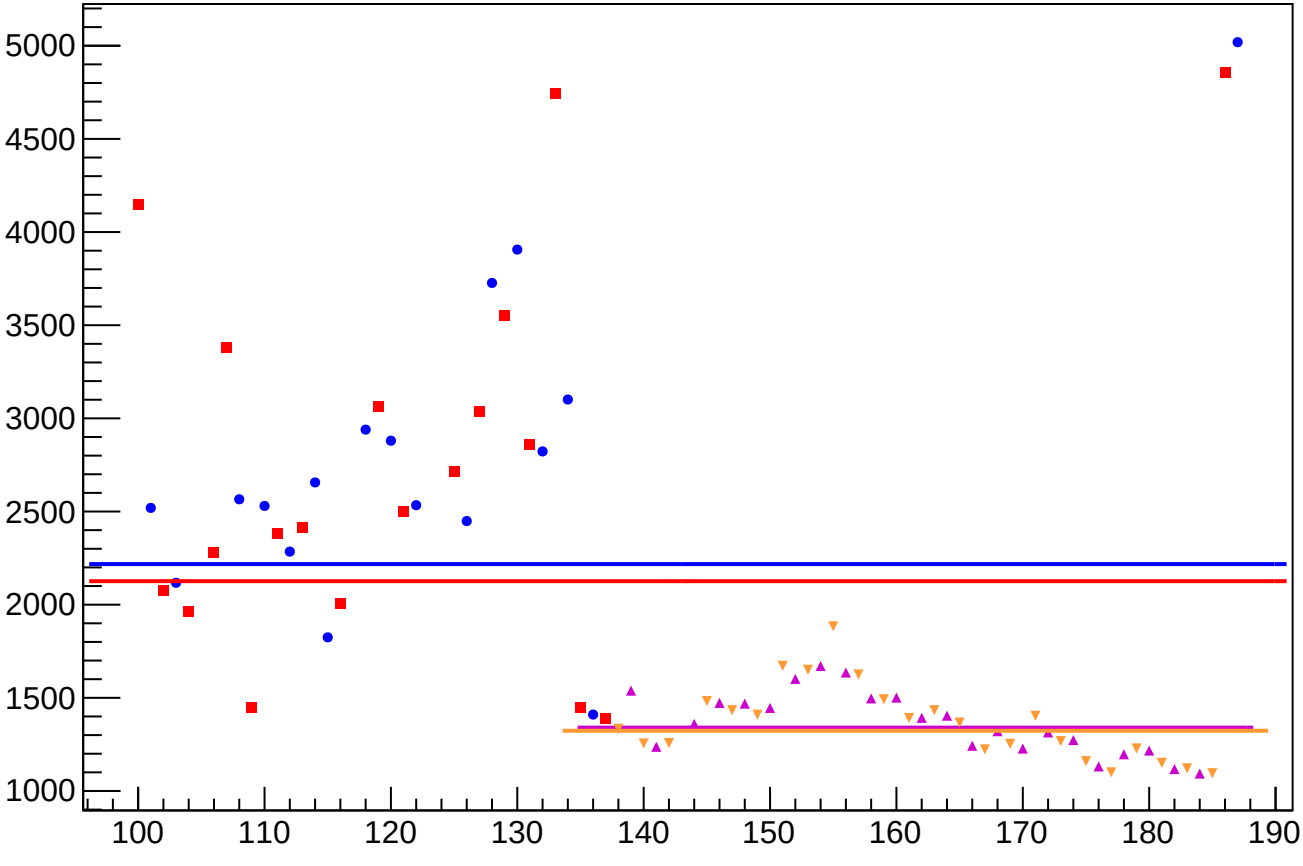
In: 2156.545+/-0.301 χ^2/NDF:231641.8/39

Out: 2153.781+/-0.299 χ^2/NDF:224607.1/42

All: 2155.151+/-0.212 χ^2/NDF: 456291.3/82


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1566.260+/-857.392 χ²/NDF: 22.6/16
Left Out: -1293.716+/-310.622 χ²/NDF:58.7/23
Right Out: 1227.808+/-815.064 χ²/NDF: 13.1/18
Left In: 341.259+/-315.566 χ²/NDF:24.8/22
Left: -489.137+/-221.370 χ²/NDF: 97.1/46
Right: -98.555+/-590.735 χ²/NDF: 41.3/35
In: 113.688+/-296.144 χ²/NDF:51.7/39
Out: -973.938+/-290.258 χ²/NDF:80.1/42
All: -441.042+/-207.293 χ²/NDF: 138.8/82

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2217.829+/-0.606 χ^2/NDF: 1340715.2/16

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2126.110+/-0.576 χ^2/NDF: 1634018.2/18

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

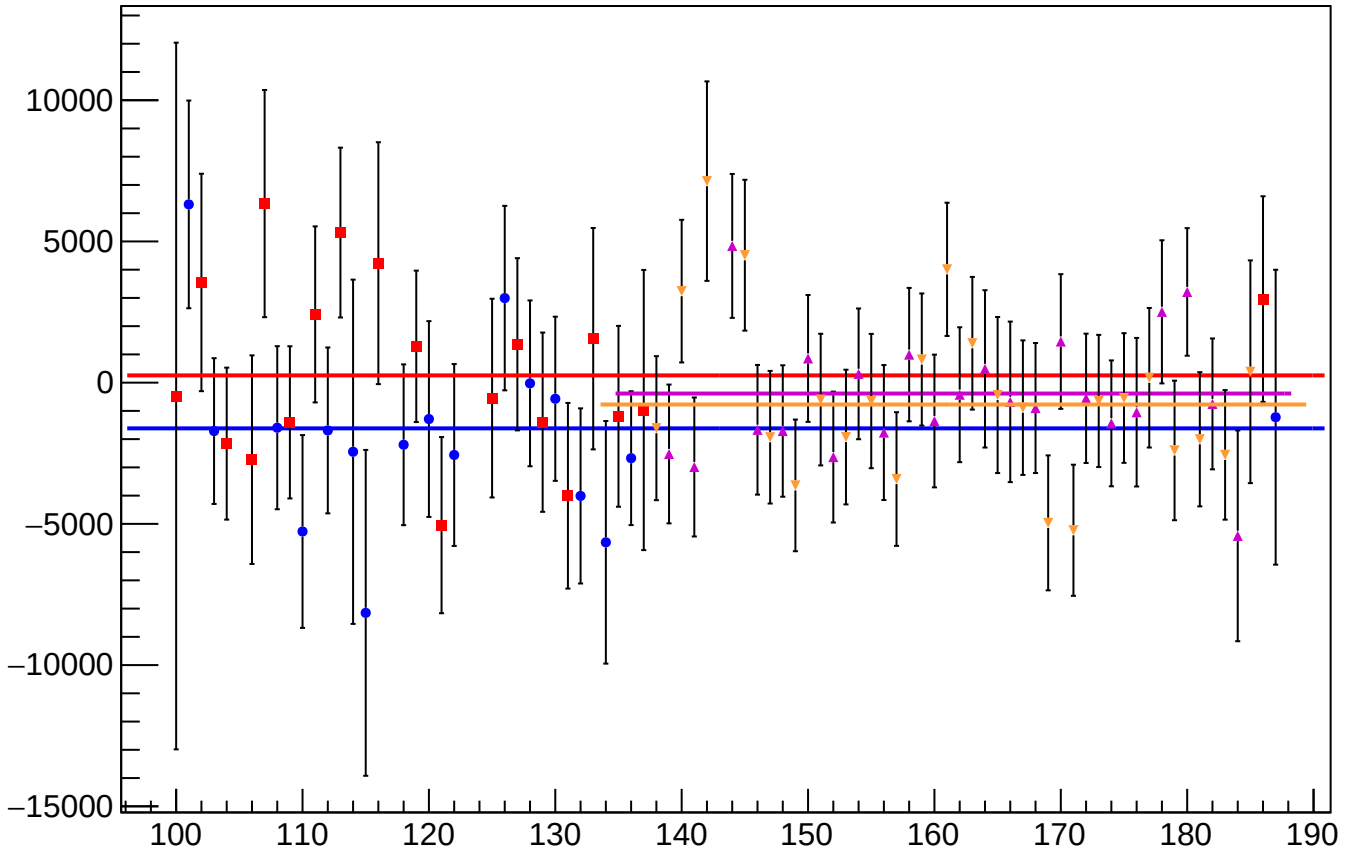
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2169.650+/-0.418 χ^2/NDF: 2986755.9/35

In: 1444.801+/-0.209 χ^2/NDF:3680993.2/39

Out: 1425.201+/-0.205 χ^2/NDF:3991691.8/42

All: 1434.804+/-0.147 χ^2/NDF: 7677153.3/82



Right In: -1618.410+/-788.804 χ^2/NDF: 11.3/16

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: 257.317+/-777.528 χ^2/NDF: 15.1/18

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

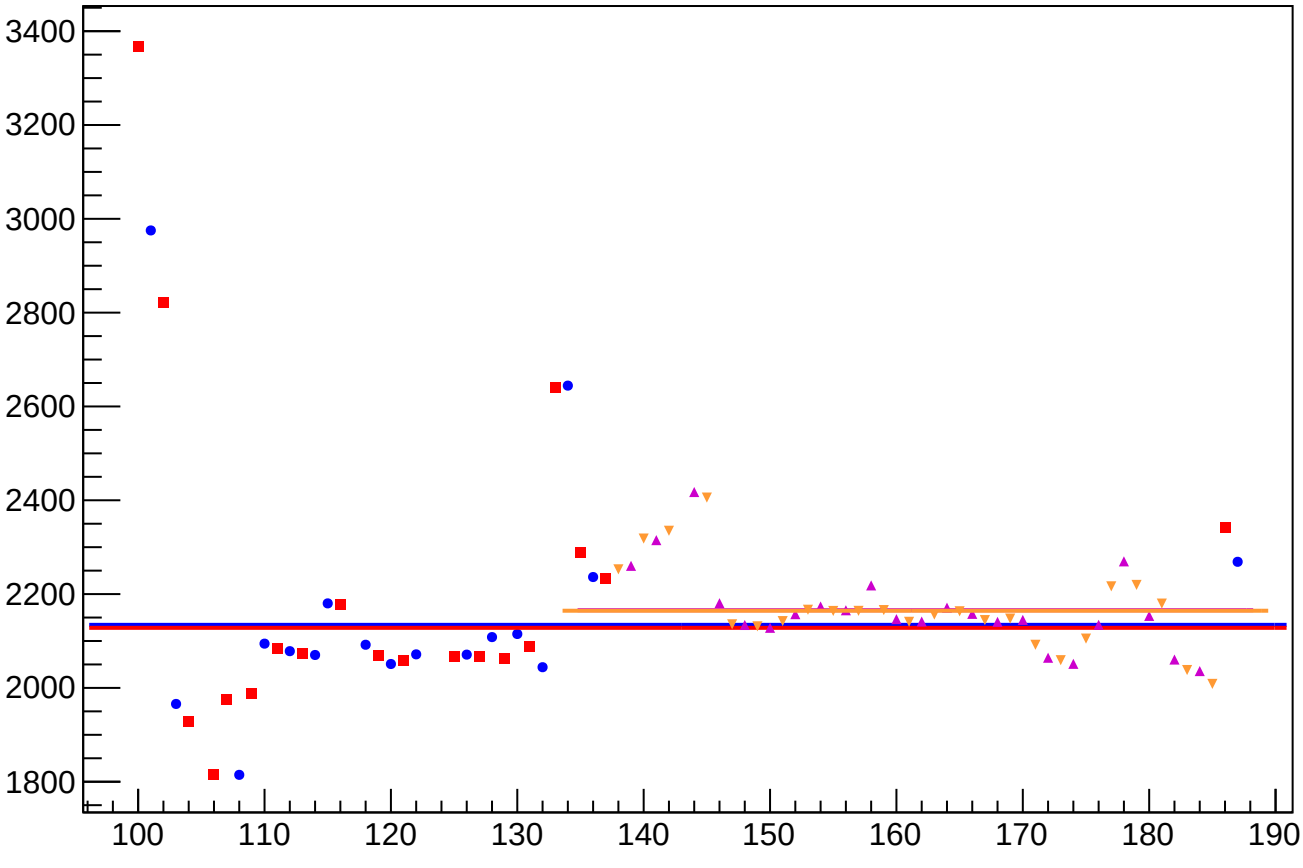
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -667.044+/-553.739 χ^2/NDF: 29.3/35

In: -744.819+/-425.934 χ^2/NDF:28.7/39

Out: -469.584+/-422.221 χ^2/NDF:44.9/42

All: -605.997+/-299.860 χ^2/NDF: 73.9/82



Right In: 2134.439+/-0.558 χ^2/NDF: 177300.0/16

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2128.074+/-0.550 χ^2/NDF: 170830.0/18

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

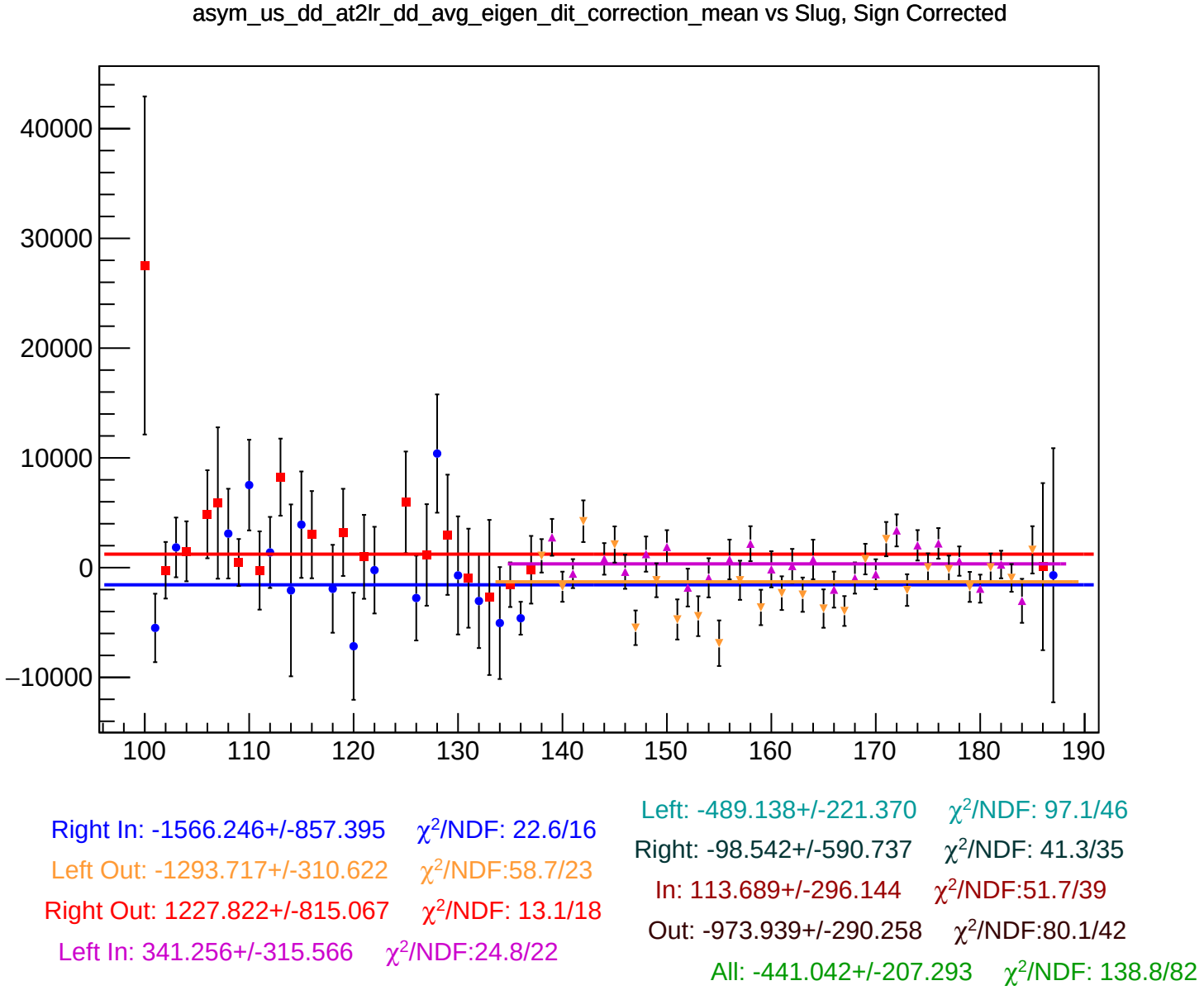
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2131.210+/-0.392 χ^2/NDF: 348196.1/35

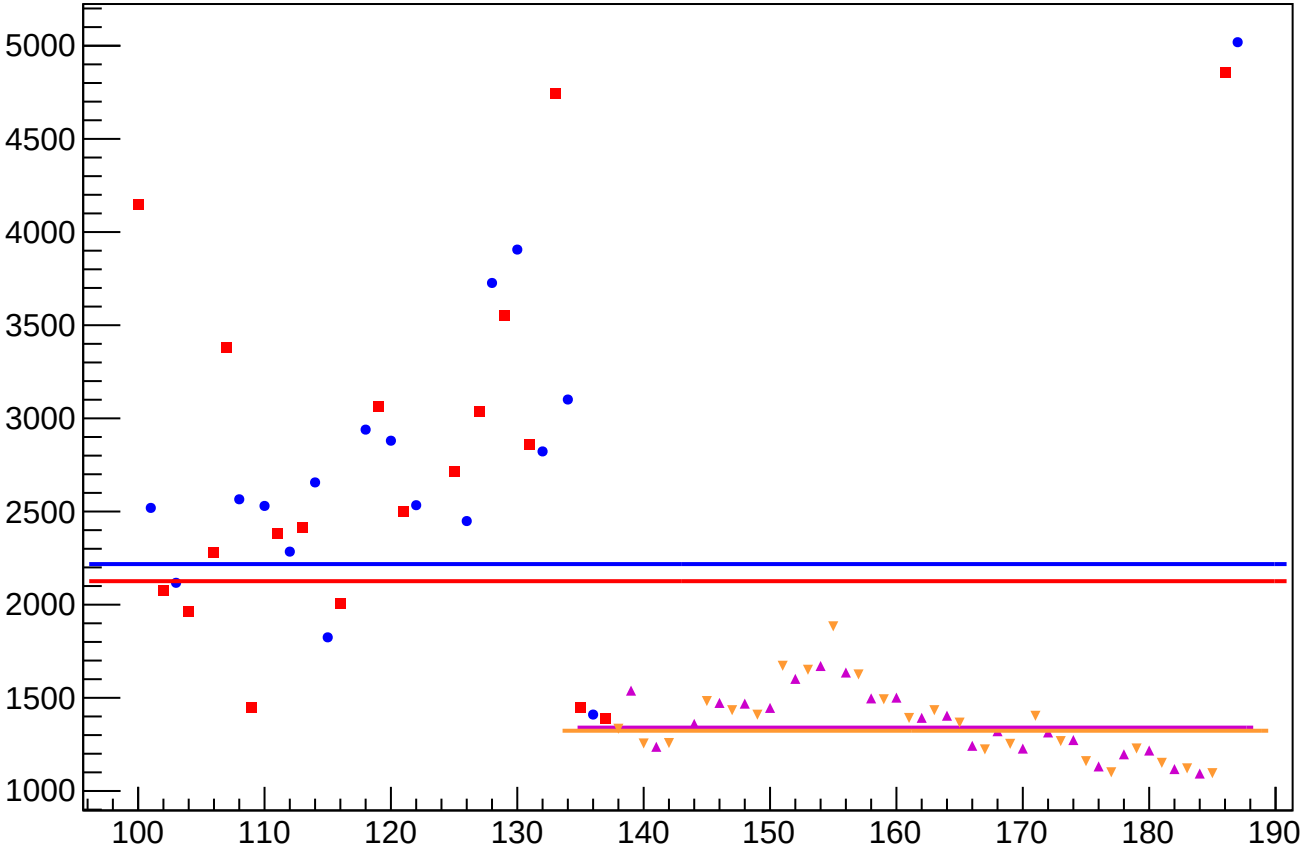
In: 2156.545+/-0.301 χ^2/NDF:231641.7/39

Out: 2153.781+/-0.299 χ^2/NDF:224607.0/42

All: 2155.151+/-0.212 χ^2/NDF: 456291.1/82


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1566.246+/-857.395 χ²/NDF: 22.6/16
Left Out: -1293.717+/-310.622 χ²/NDF:58.7/23
Right Out: 1227.822+/-815.067 χ²/NDF: 13.1/18
Left In: 341.256+/-315.566 χ²/NDF:24.8/22
Left: -489.138+/-221.370 χ²/NDF: 97.1/46
Right: -98.542+/-590.737 χ²/NDF: 41.3/35
In: 113.689+/-296.144 χ²/NDF:51.7/39
Out: -973.939+/-290.258 χ²/NDF:80.1/42
All: -441.042+/-207.293 χ²/NDF: 138.8/82

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2217.842+/-0.606 χ^2/NDF: 1340654.7/16

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2126.122+/-0.576 χ^2/NDF: 1633968.1/18

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

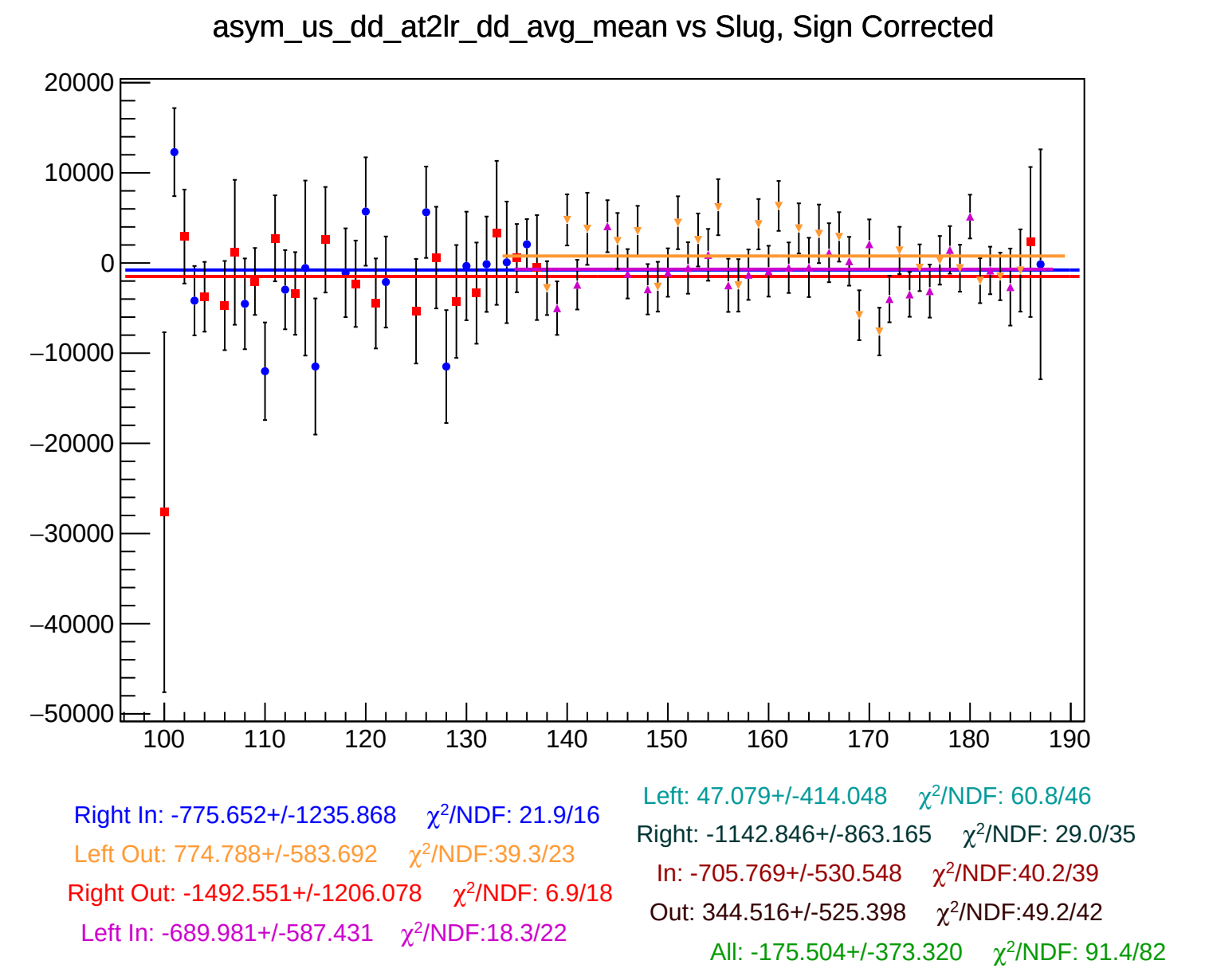
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

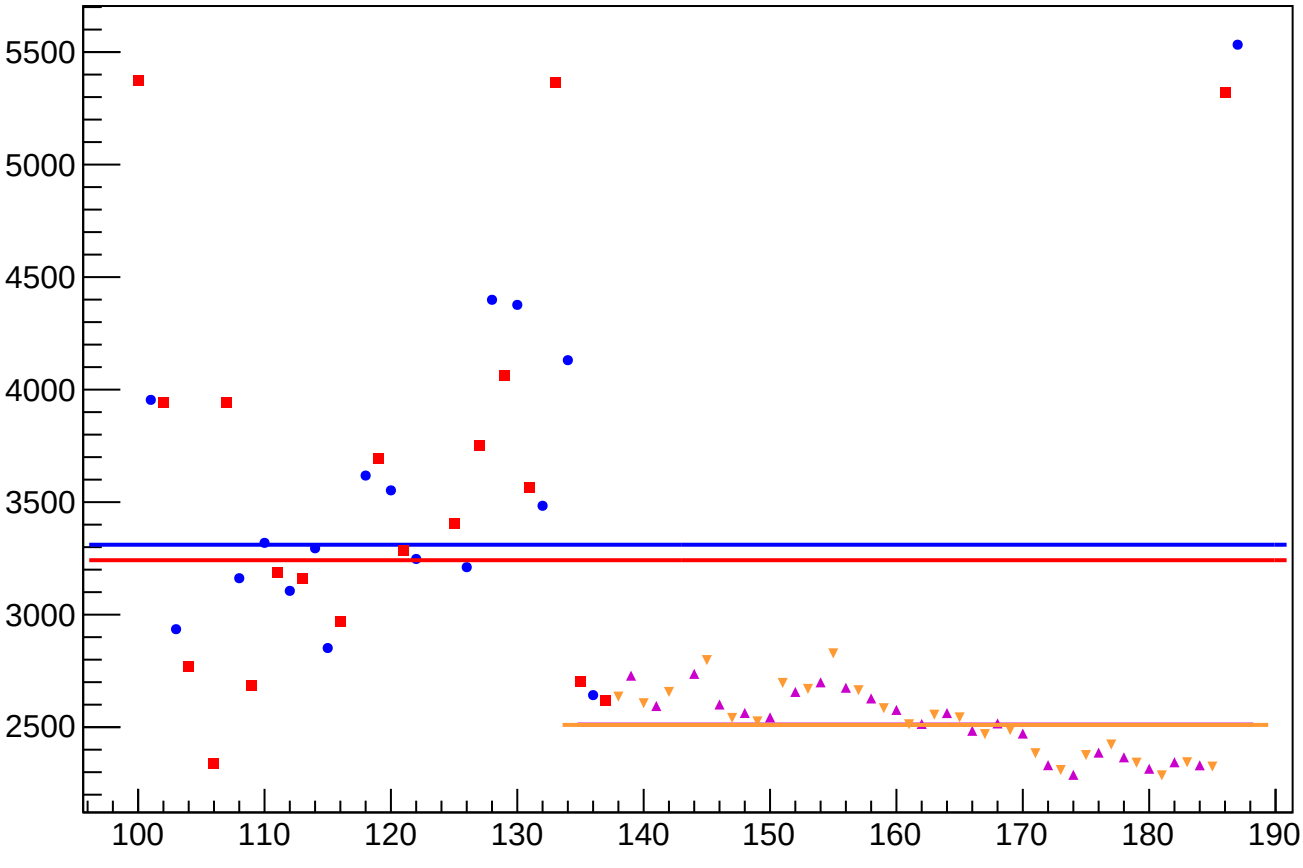
Right: 2169.662+/-0.418 χ^2/NDF: 2986645.2/35

In: 1444.801+/-0.209 χ^2/NDF:3680989.1/39

Out: 1425.202+/-0.205 χ^2/NDF:3991681.6/42

All: 1434.804+/-0.147 χ^2/NDF: 7677138.4/82


asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -775.652+/-1235.868 χ²/NDF: 21.9/16
Left Out: 774.788+/-583.692 χ²/NDF:39.3/23
Right Out: -1492.551+/-1206.078 χ²/NDF: 6.9/18
Left In: -689.981+/-587.431 χ²/NDF:18.3/22
Left: 47.079+/-414.048 χ²/NDF: 60.8/46
Right: -1142.846+/-863.165 χ²/NDF: 29.0/35
In: -705.769+/-530.548 χ²/NDF:40.2/39
Out: 344.516+/-525.398 χ²/NDF:49.2/42
All: -175.504+/-373.320 χ²/NDF: 91.4/82



Right In: 3310.751+/-0.874 χ^2/NDF: 408874.9/16

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3241.978+/-0.853 χ^2/NDF: 627294.3/18

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

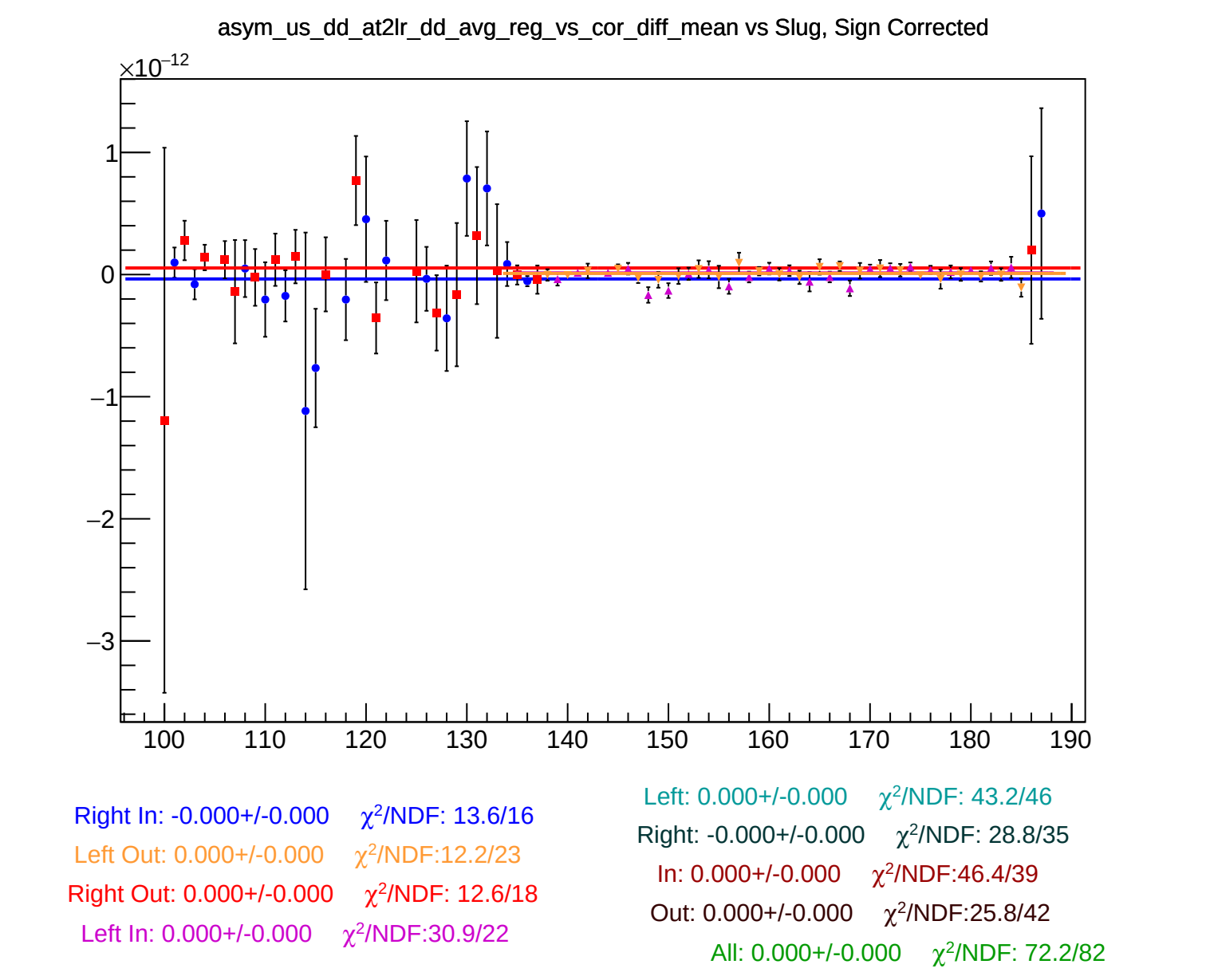
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

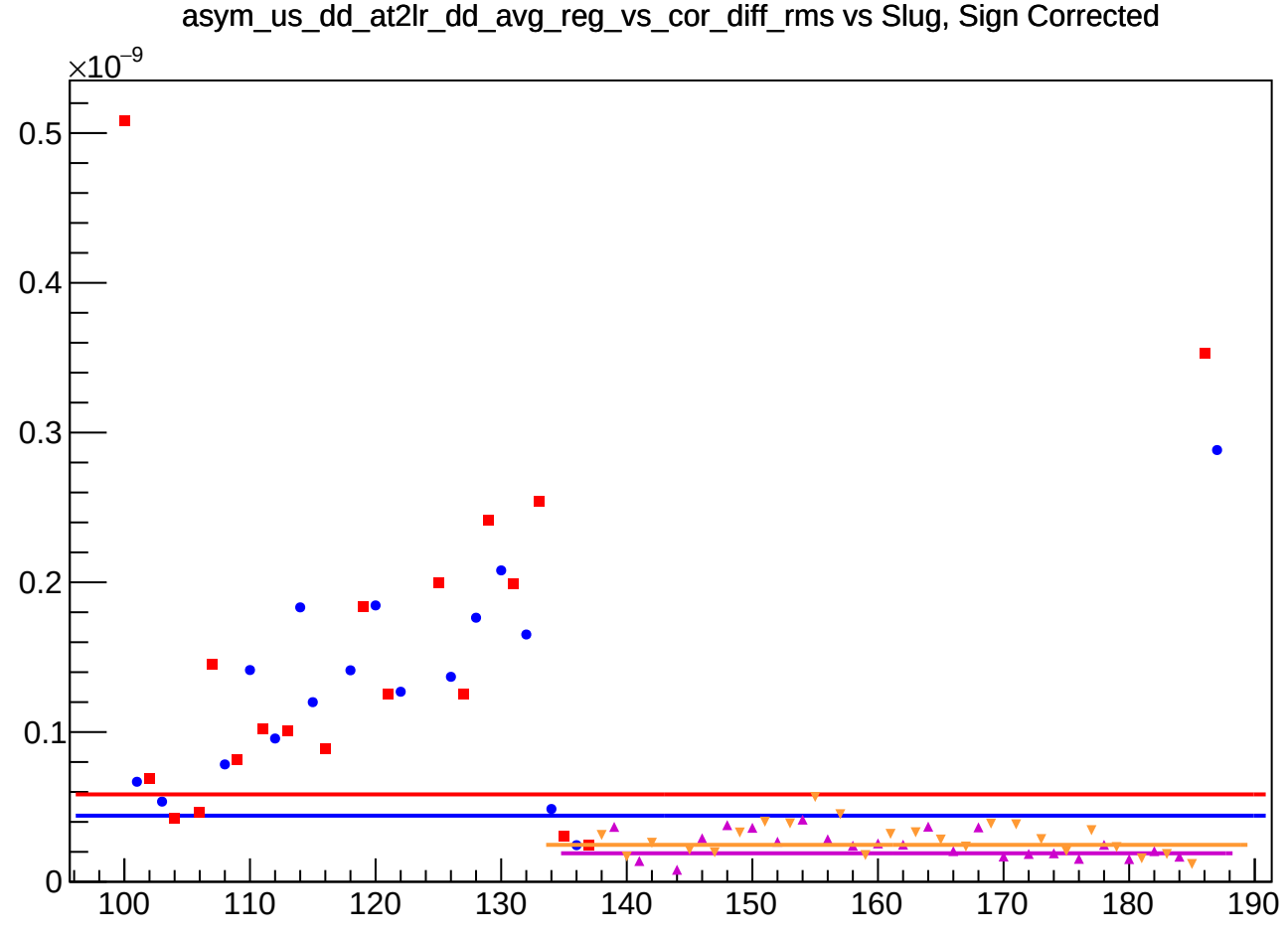
Right: 3275.525+/-0.610 χ^2/NDF: 1039341.5/35

In: 2658.887+/-0.375 χ^2/NDF:1204489.0/39

Out: 2648.966+/-0.372 χ^2/NDF:1352704.2/42

All: 2653.878+/-0.264 χ^2/NDF: 2557546.3/82


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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.6/16
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/18
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: -0.000+/-0.000 χ²/NDF: 28.8/35
In: 0.000+/-0.000 χ²/NDF:46.4/39
Out: 0.000+/-0.000 χ²/NDF:25.8/42
All: 0.000+/-0.000 χ²/NDF: 72.2/82



Right In: 0.000+/-0.000 χ^2/NDF: 2388464.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2381941.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

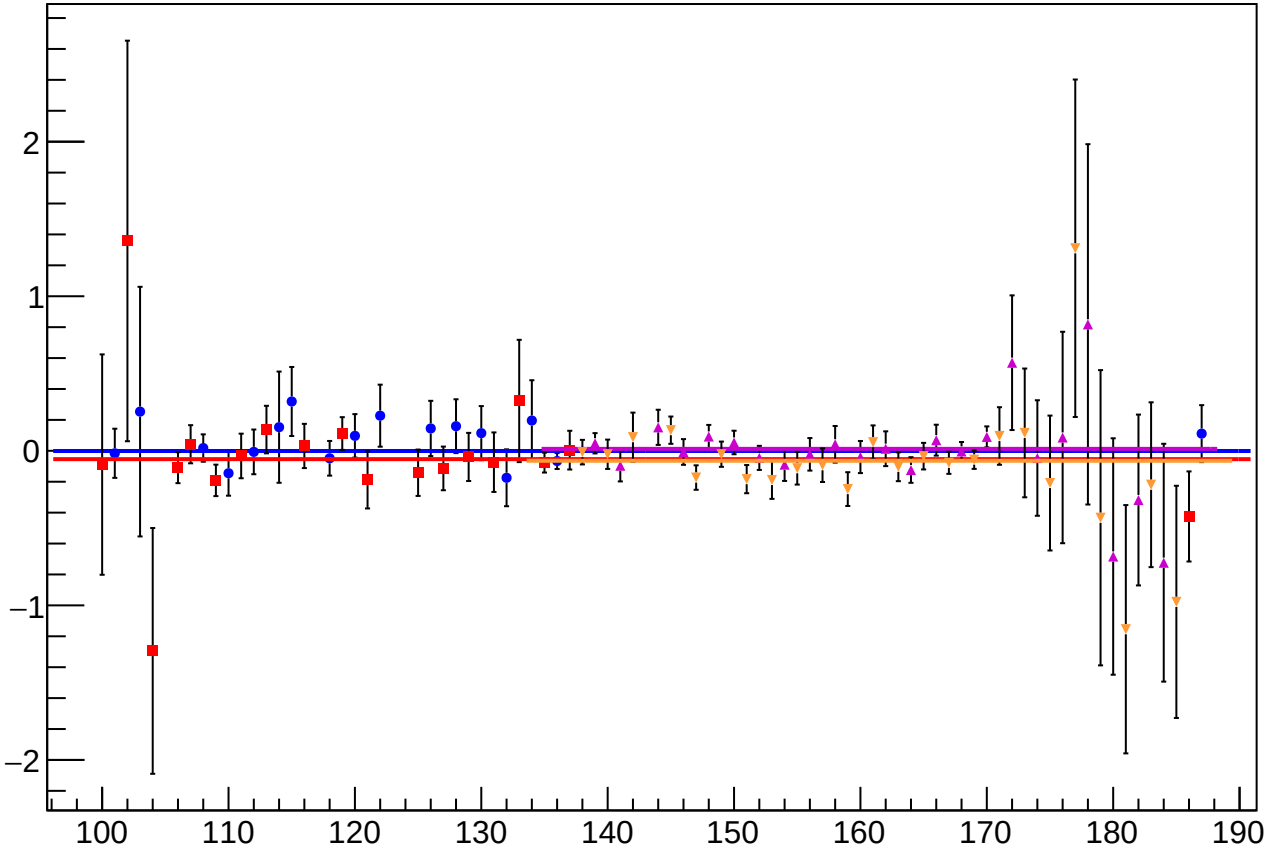
Right: 0.000+/-0.000 χ^2/NDF: 4902603.1/35

In: 0.000+/-0.000 χ^2/NDF:5587552.0/39

Out: 0.000+/-0.000 χ^2/NDF:4946242.4/42

All: 0.000+/-0.000 χ^2/NDF: 10958020.2/82

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.054+/-0.031 χ^2/NDF: 14.7/18

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

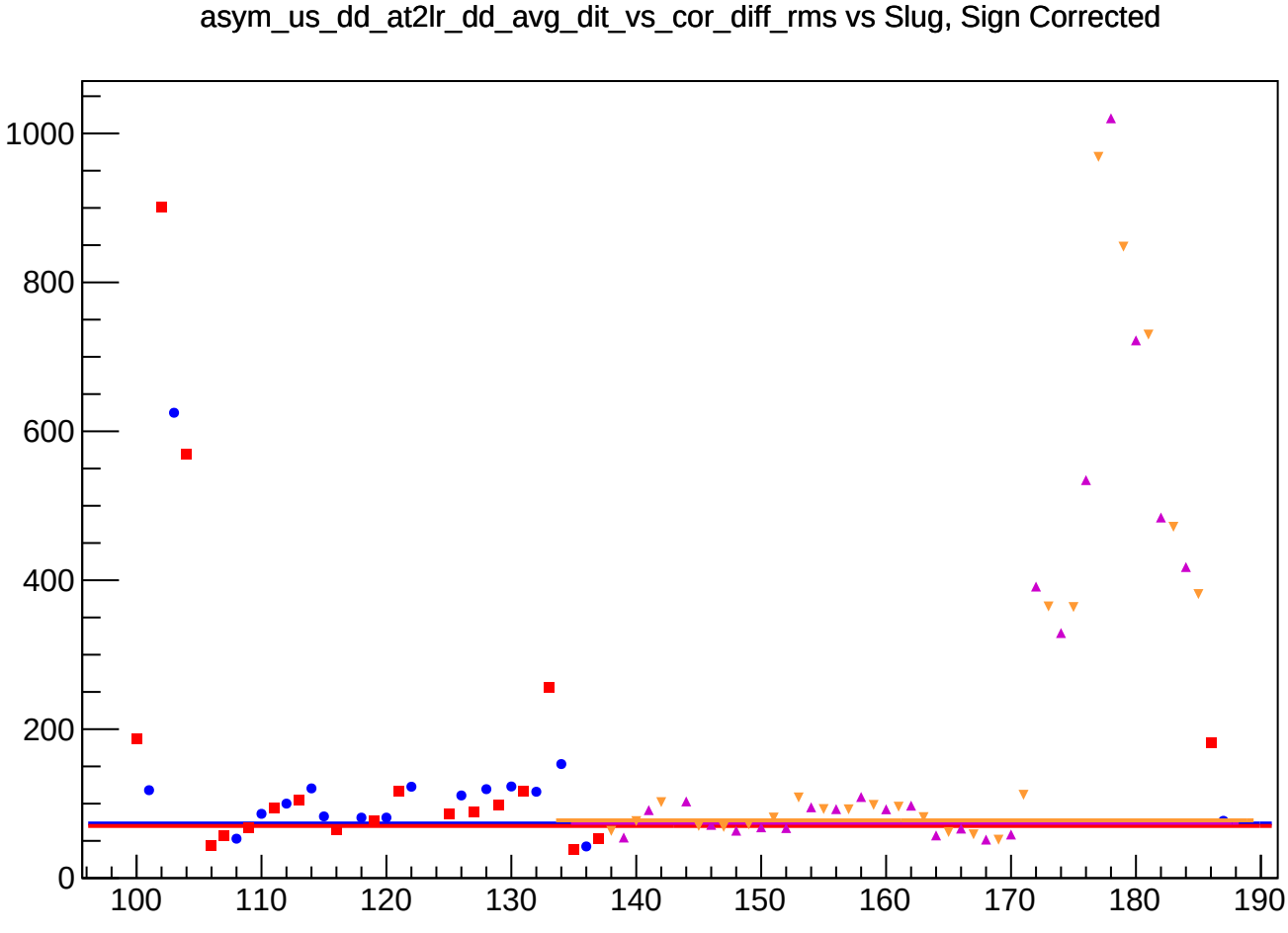
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.028+/-0.022 χ^2/NDF: 26.8/35

In: 0.008+/-0.018 χ^2/NDF:25.9/39

Out: -0.061+/-0.018 χ^2/NDF:37.1/42

All: -0.025+/-0.013 χ^2/NDF: 70.5/82



Right In: 73.345+/-0.022 χ^2/NDF: 2855388.4/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 70.044+/-0.022 χ^2/NDF: 3629784.4/18

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

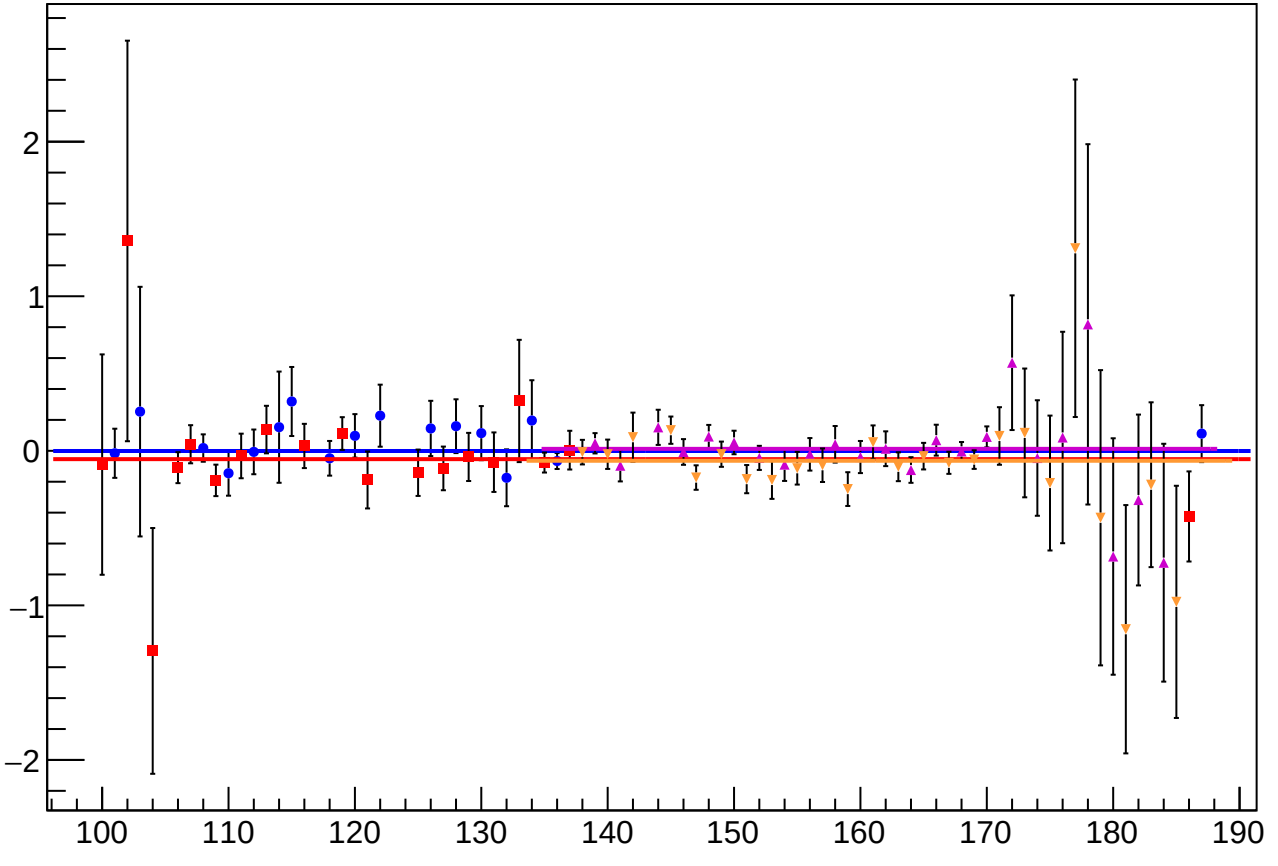
Right: 71.680+/-0.016 χ^2/NDF: 6496077.4/35

In: 73.949+/-0.012 χ^2/NDF:11370513.6/39

Out: 75.059+/-0.013 χ^2/NDF:12036816.8/42

All: 74.488+/-0.009 χ^2/NDF: 23411206.7/82

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.054+/-0.031 χ^2/NDF: 14.7/18

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

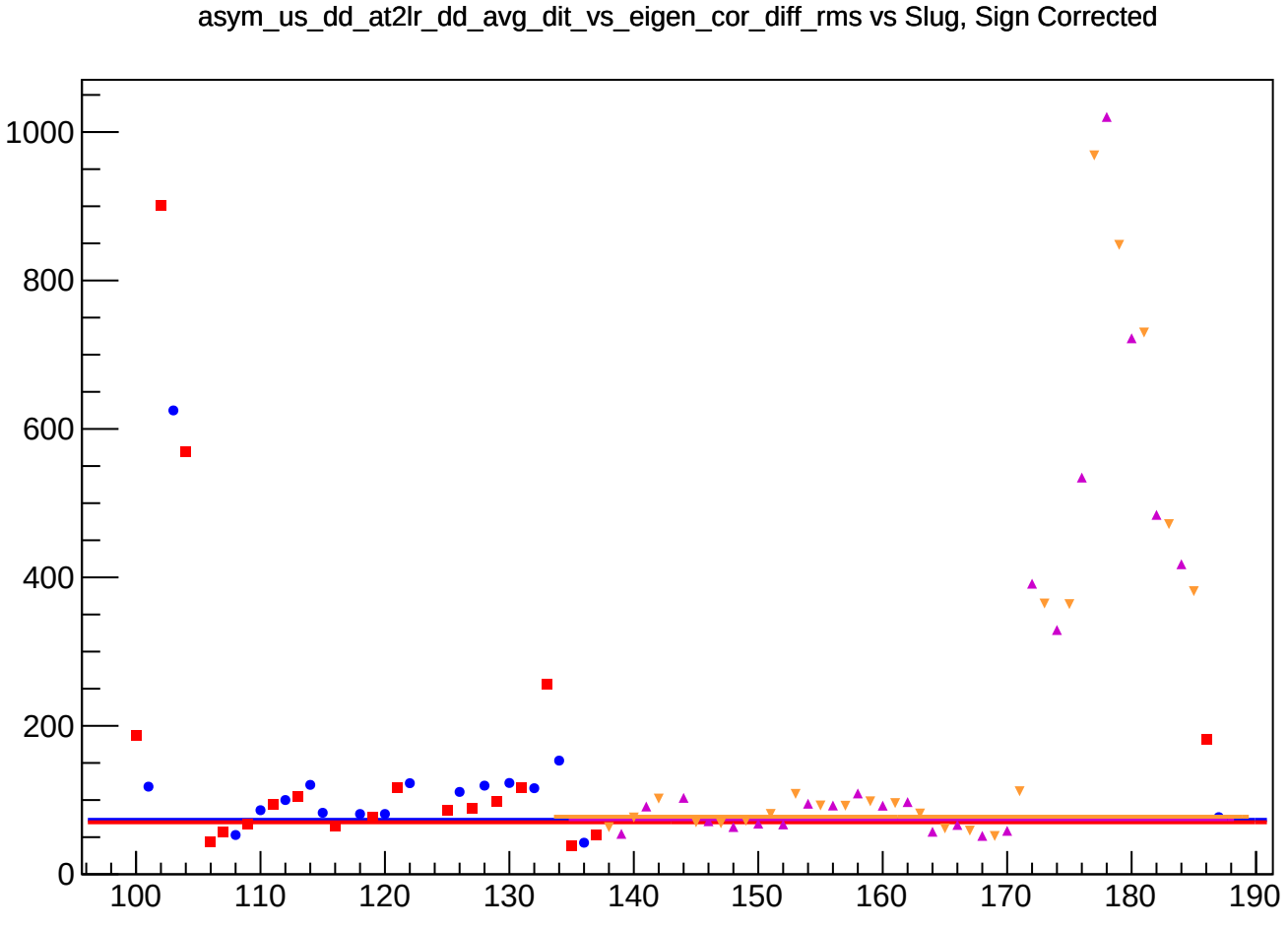
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.028+/-0.022 χ^2/NDF: 26.8/35

In: 0.008+/-0.018 χ^2/NDF:25.9/39

Out: -0.061+/-0.018 χ^2/NDF:37.1/42

All: -0.025+/-0.013 χ^2/NDF: 70.5/82



Right In: 73.345+/-0.022 χ^2/NDF: 2855388.4/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 70.044+/-0.022 χ^2/NDF: 3629784.4/18

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

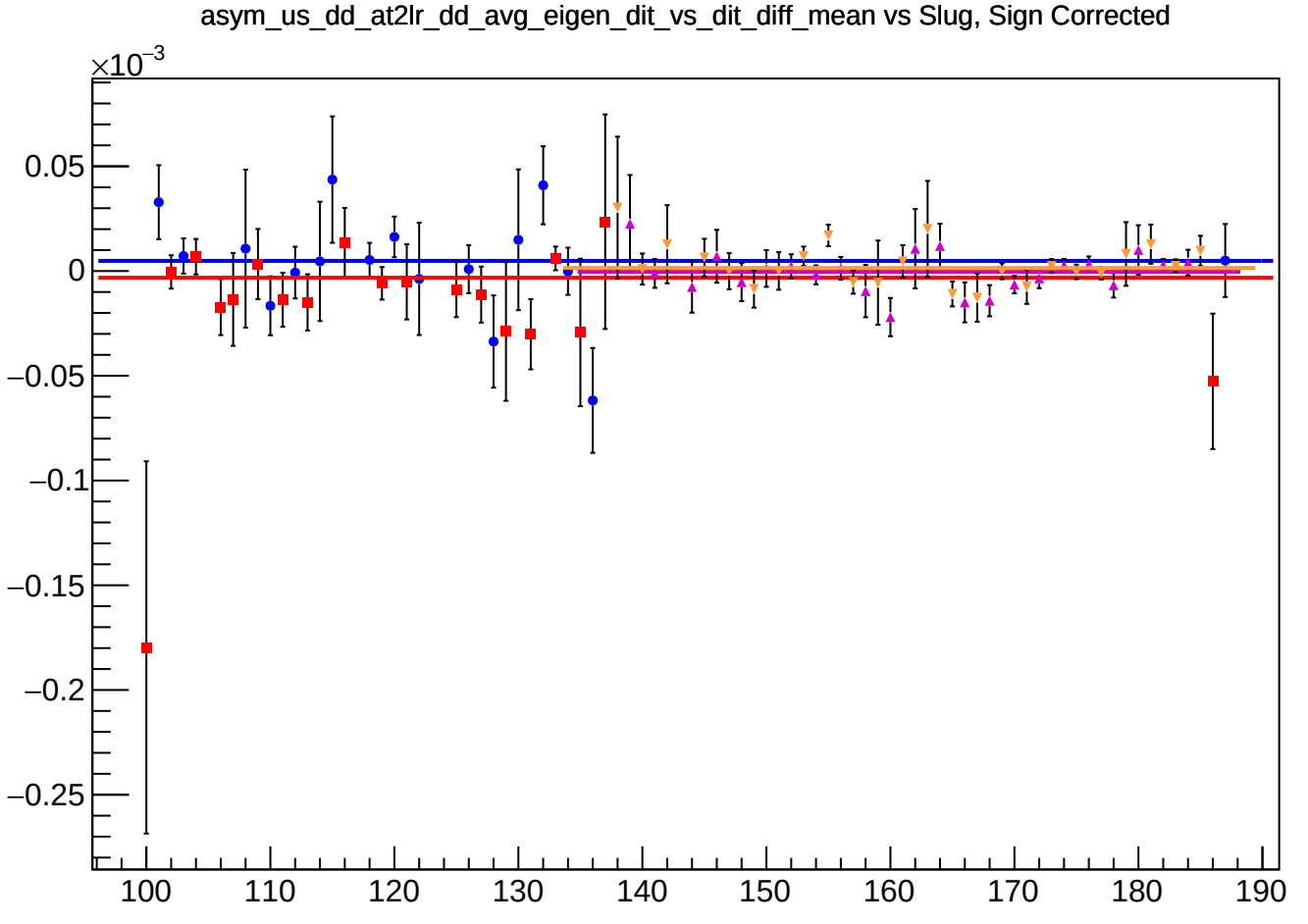
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 71.680+/-0.016 χ^2/NDF: 6496077.4/35

In: 73.949+/-0.012 χ^2/NDF:11370513.6/39

Out: 75.059+/-0.013 χ^2/NDF:12036816.8/42

All: 74.488+/-0.009 χ^2/NDF: 23411206.7/82



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

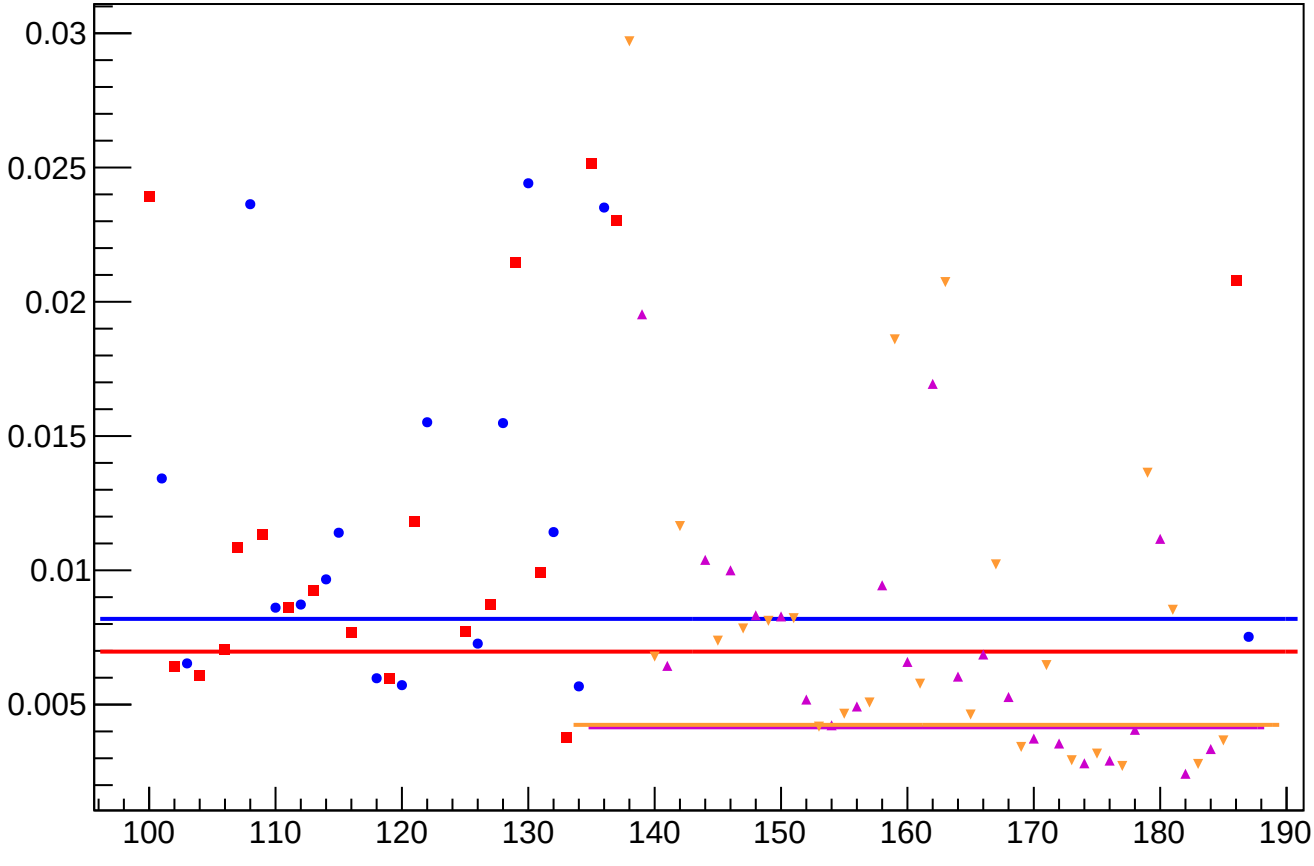
Right: 0.000+/-0.000 χ^2/NDF: 45.0/35

In: 0.000+/-0.000 χ^2/NDF:49.2/39

Out: 0.000+/-0.000 χ^2/NDF:48.6/42

All: 0.000+/-0.000 χ^2/NDF: 98.0/82

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: 2659223.0/16

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.007+/-0.000 χ^2/NDF: 2794247.6/18

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

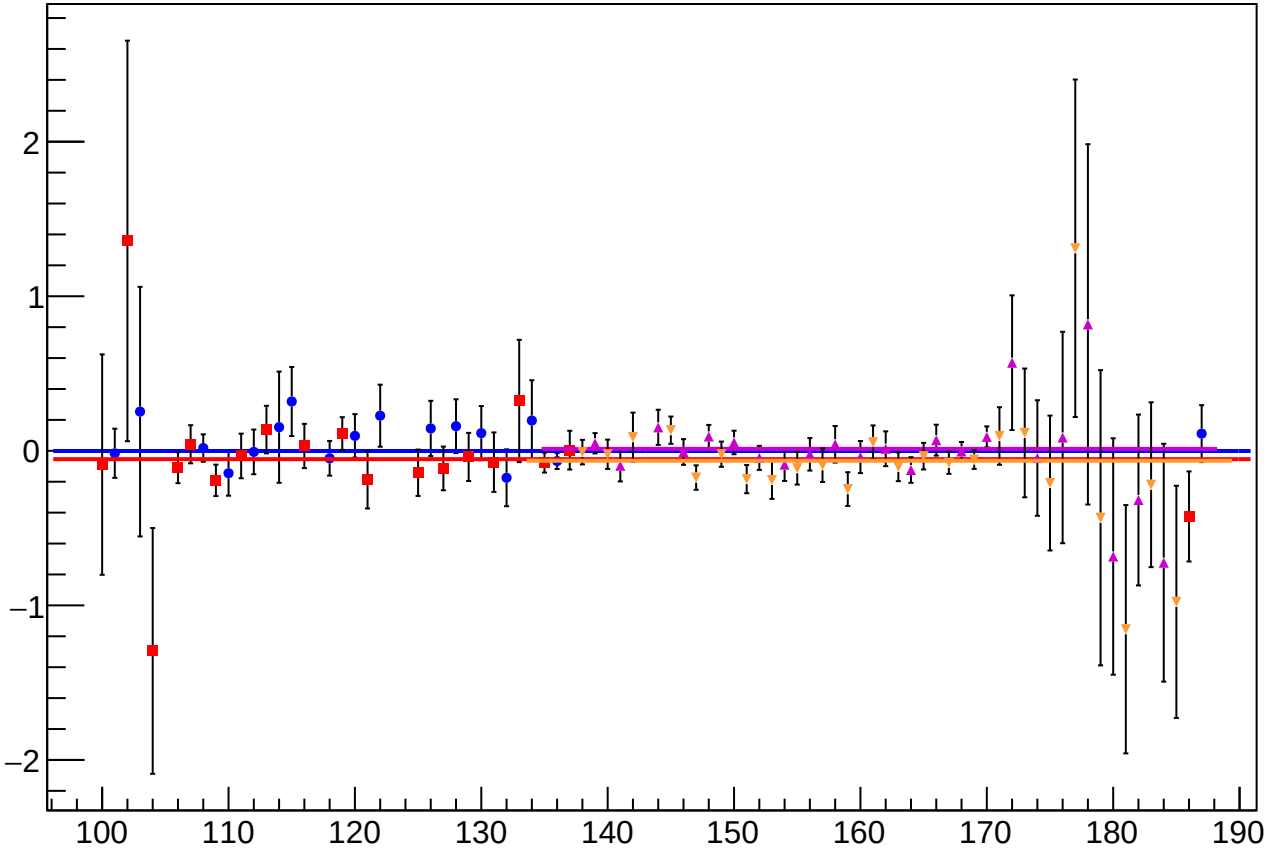
Right: 0.007+/-0.000 χ^2/NDF: 5604408.2/35

In: 0.005+/-0.000 χ^2/NDF:12029614.3/39

Out: 0.005+/-0.000 χ^2/NDF:13041688.5/42

All: 0.005+/-0.000 χ^2/NDF: 25073480.0/82

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.054+/-0.031 χ^2/NDF: 14.7/18

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

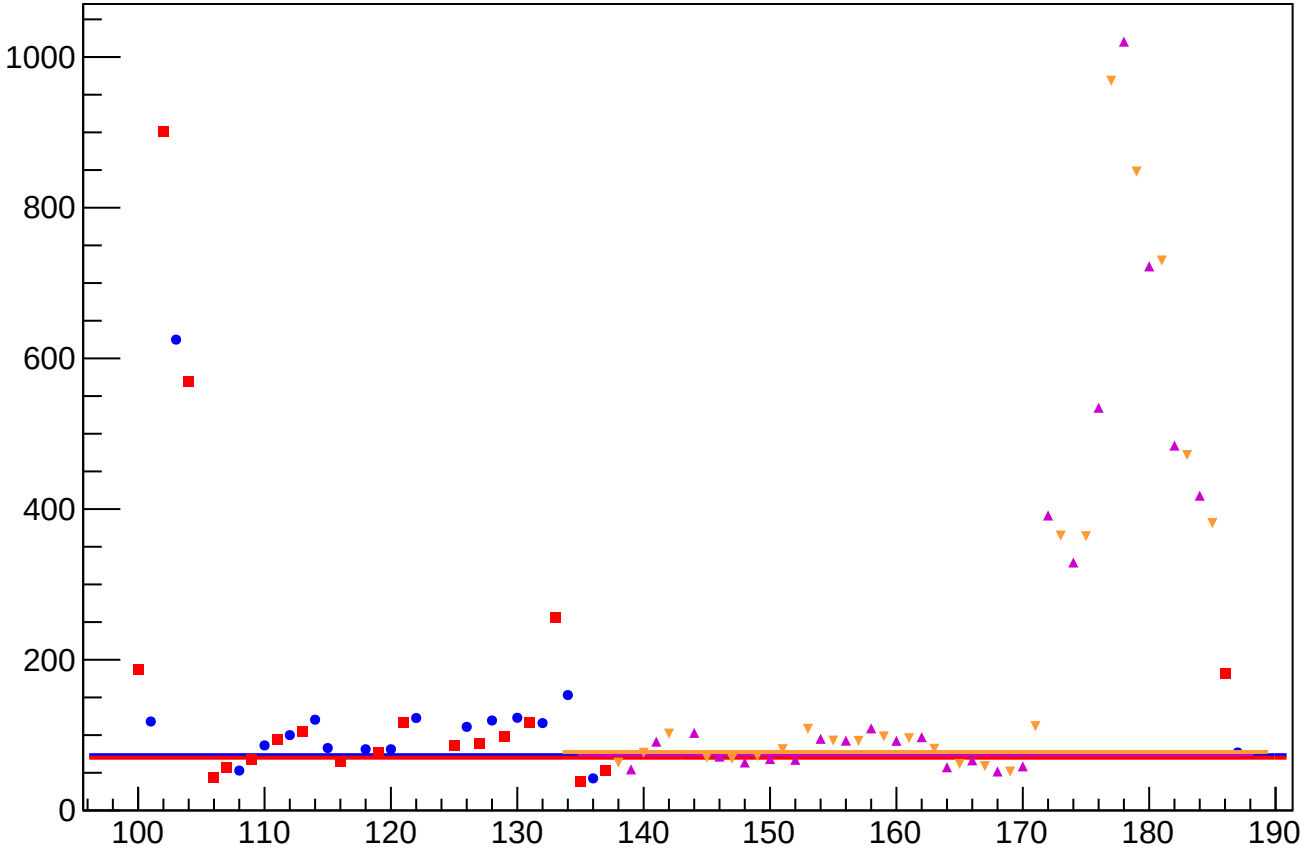
Right: -0.028+/-0.022 χ^2/NDF: 26.8/35

In: 0.008+/-0.018 χ^2/NDF:25.9/39

Out: -0.061+/-0.018 χ^2/NDF:37.1/42

All: -0.025+/-0.013 χ^2/NDF: 70.5/82

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.369+/-0.022 χ^2/NDF: 2853084.3/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 70.032+/-0.022 χ^2/NDF: 3630853.7/18

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

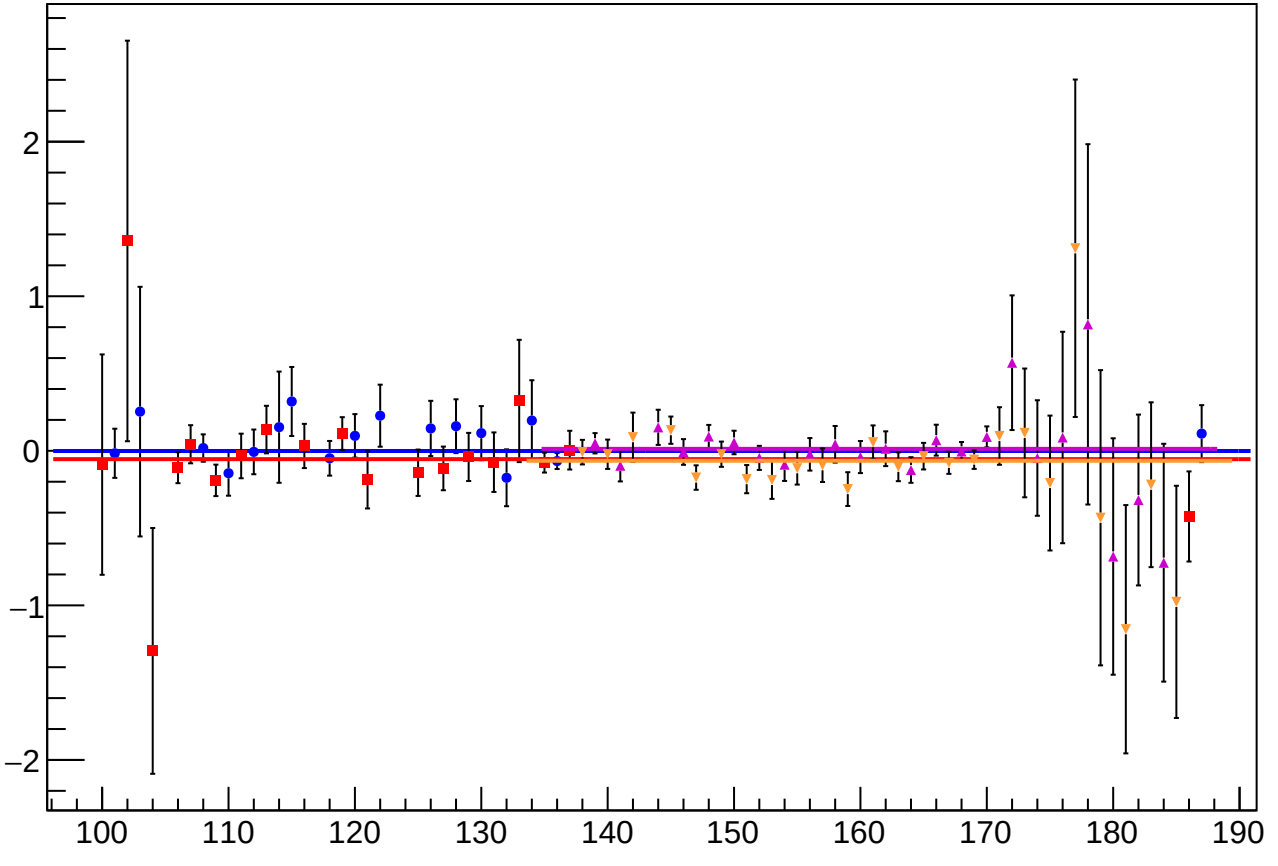
Right: 71.686+/-0.016 χ^2/NDF: 6495078.8/35

In: 73.957+/-0.012 χ^2/NDF:11367865.2/39

Out: 75.055+/-0.013 χ^2/NDF:12038030.2/42

All: 74.491+/-0.009 χ^2/NDF: 23409683.9/82

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.054+/-0.031 χ^2/NDF: 14.7/18

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

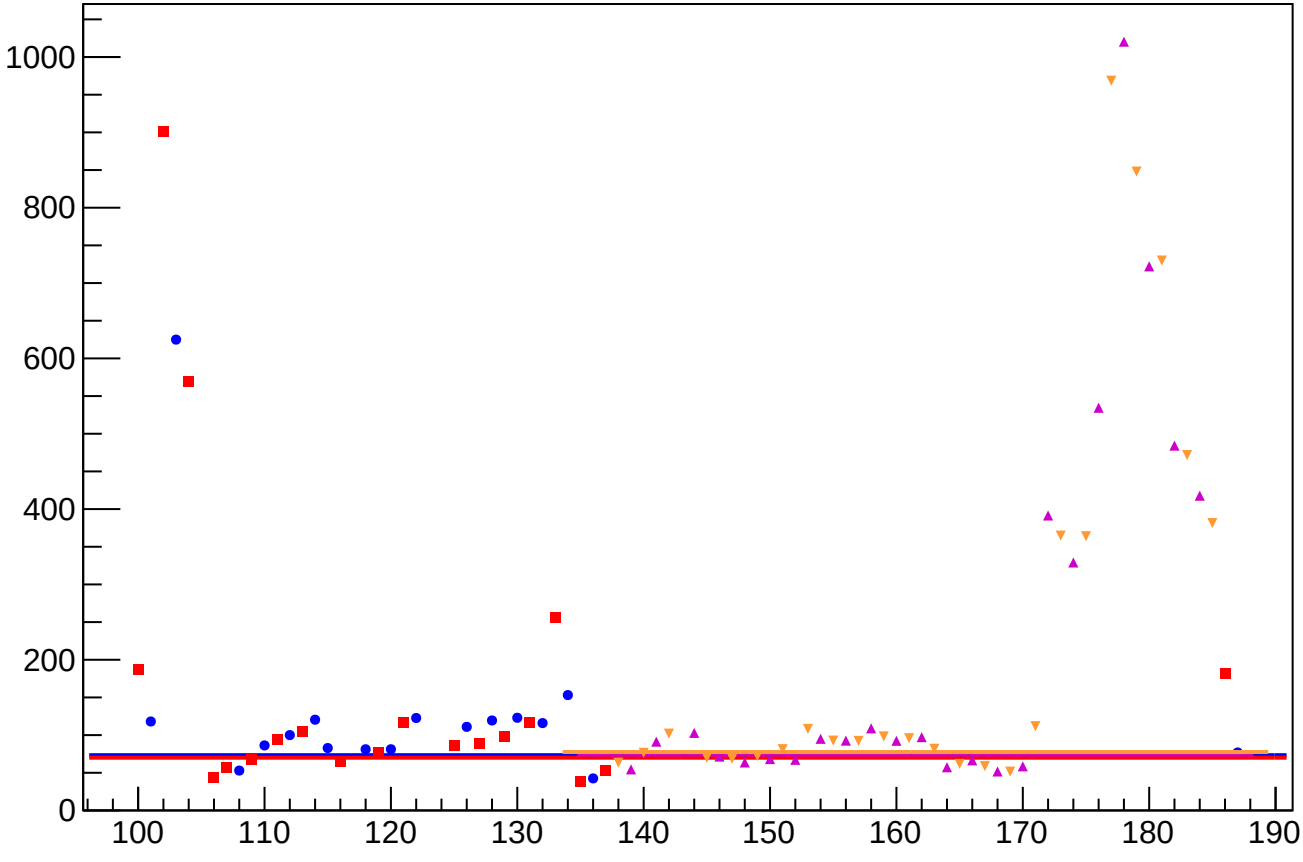
Right: -0.028+/-0.022 χ^2/NDF: 26.8/35

In: 0.008+/-0.018 χ^2/NDF:25.9/39

Out: -0.061+/-0.018 χ^2/NDF:37.1/42

All: -0.025+/-0.013 χ^2/NDF: 70.5/82

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.369+/-0.022 χ^2/NDF: 2853084.3/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 70.032+/-0.022 χ^2/NDF: 3630853.7/18

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

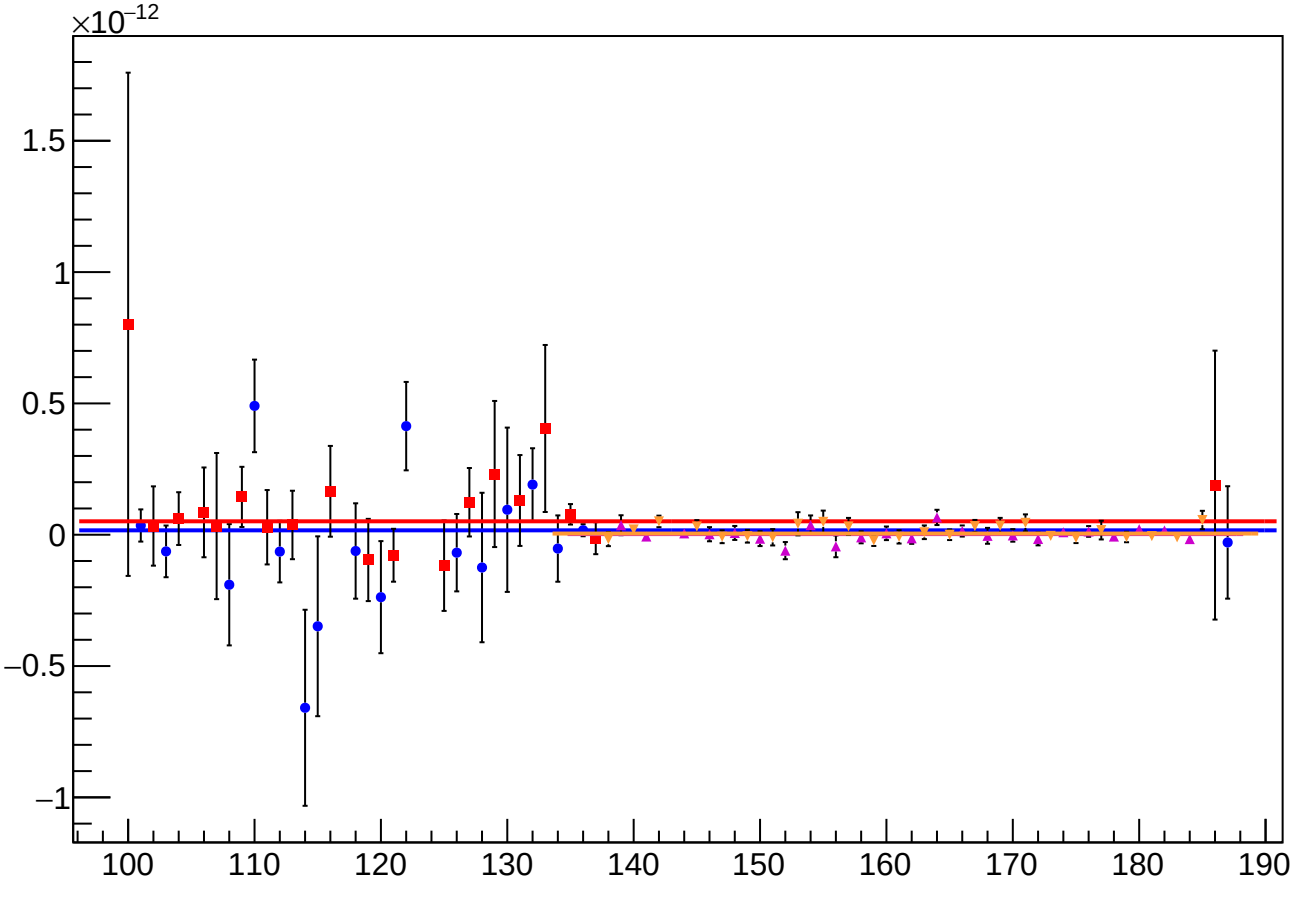
Right: 71.686+/-0.016 χ^2/NDF: 6495078.8/35

In: 73.957+/-0.012 χ^2/NDF:11367865.2/39

Out: 75.055+/-0.013 χ^2/NDF:12038030.2/42

All: 74.491+/-0.009 χ^2/NDF: 23409683.9/82

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: 23.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

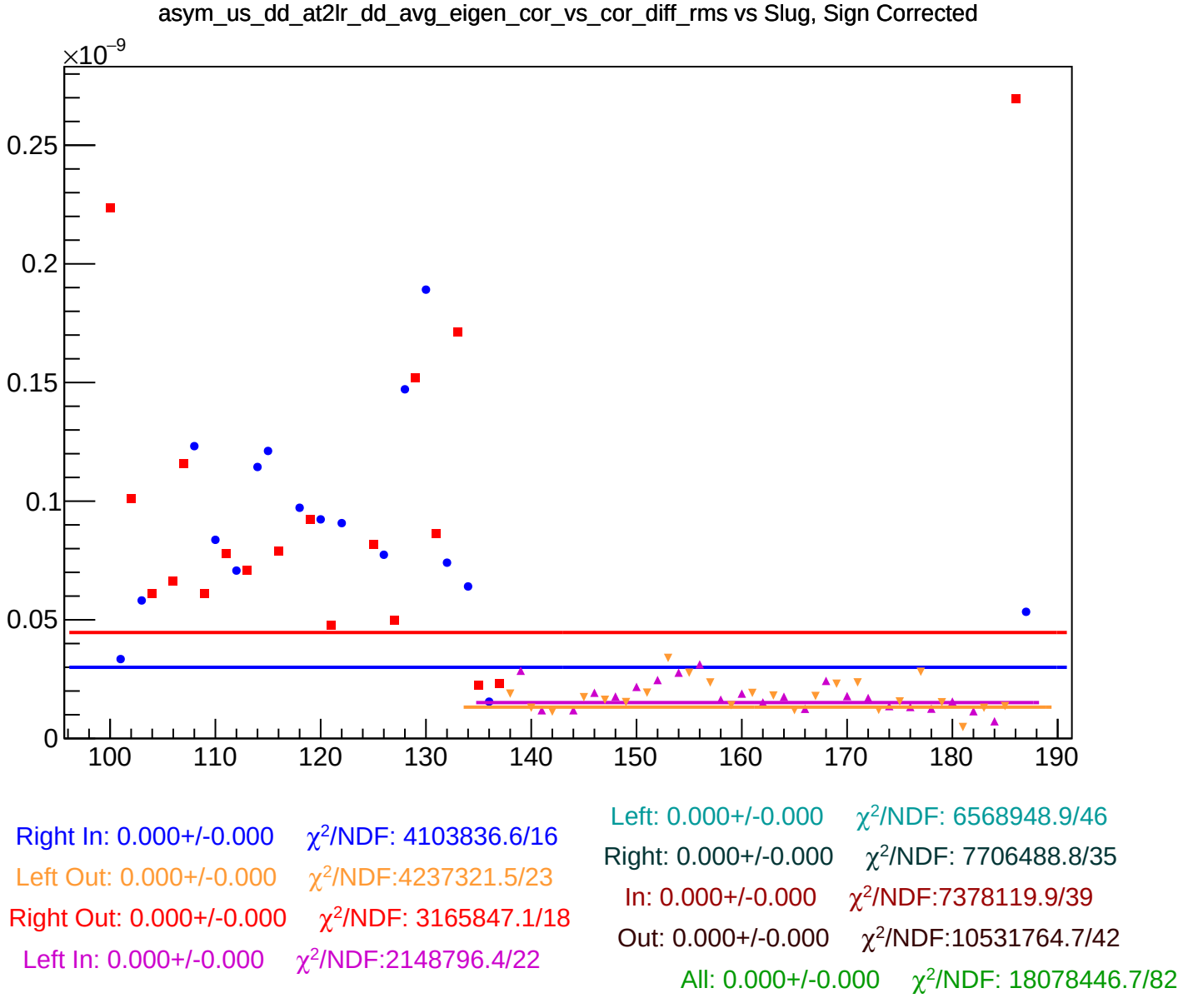
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

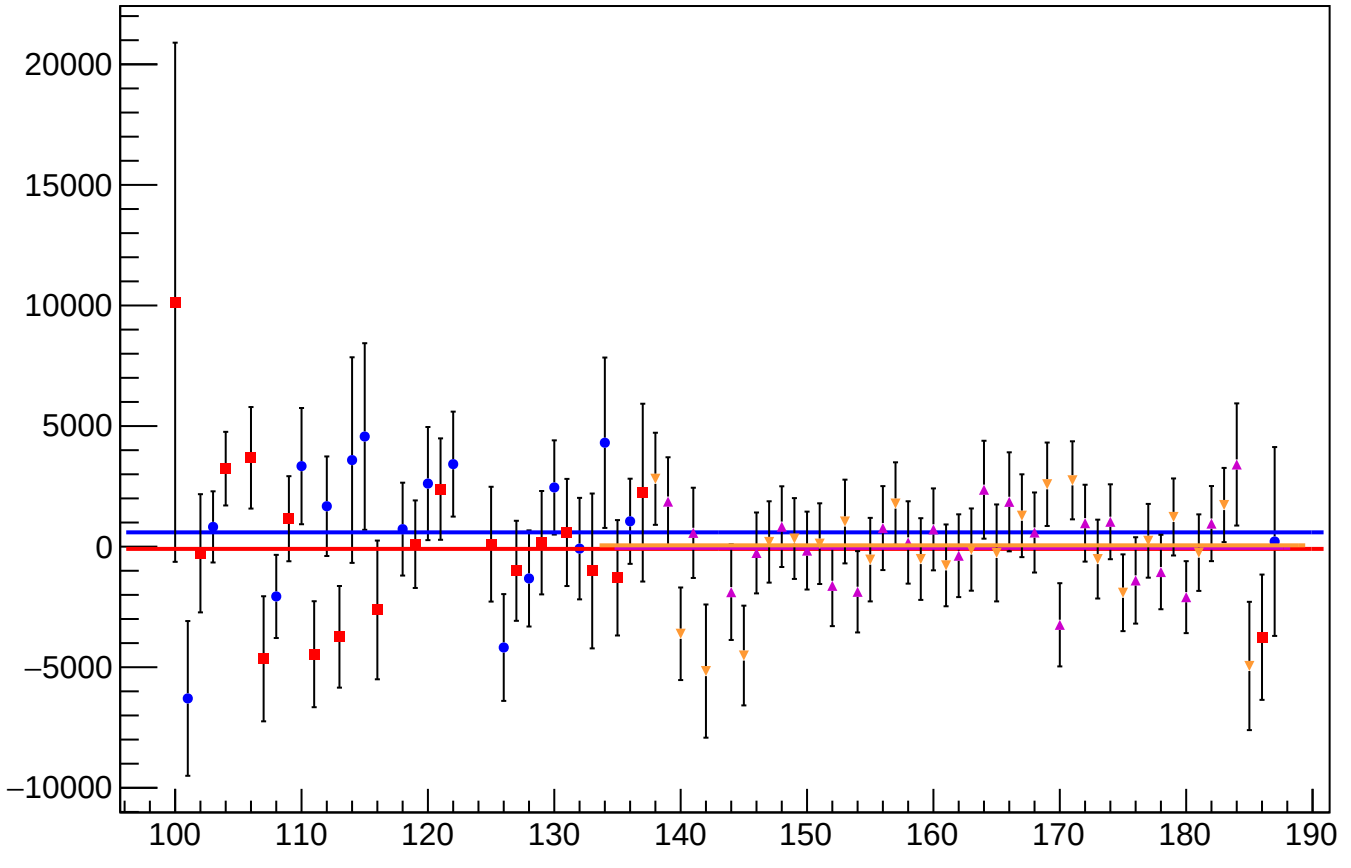
Right: 0.000+/-0.000 χ^2/NDF: 33.8/35

In: 0.000+/-0.000 χ^2/NDF:41.5/39

Out: 0.000+/-0.000 χ^2/NDF:34.3/42

All: 0.000+/-0.000 χ^2/NDF: 75.9/82


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 4103836.6/16
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 3165847.1/18
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
Left: 0.000+/-0.000 χ²/NDF: 6568948.9/46
Right: 0.000+/-0.000 χ²/NDF: 7706488.8/35
In: 0.000+/-0.000 χ²/NDF:7378119.9/39
Out: 0.000+/-0.000 χ²/NDF:10531764.7/42
All: 0.000+/-0.000 χ²/NDF: 18078446.7/82



Right In: 592.936+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -93.436+/-519.498 χ^2/NDF: 24.6/18

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

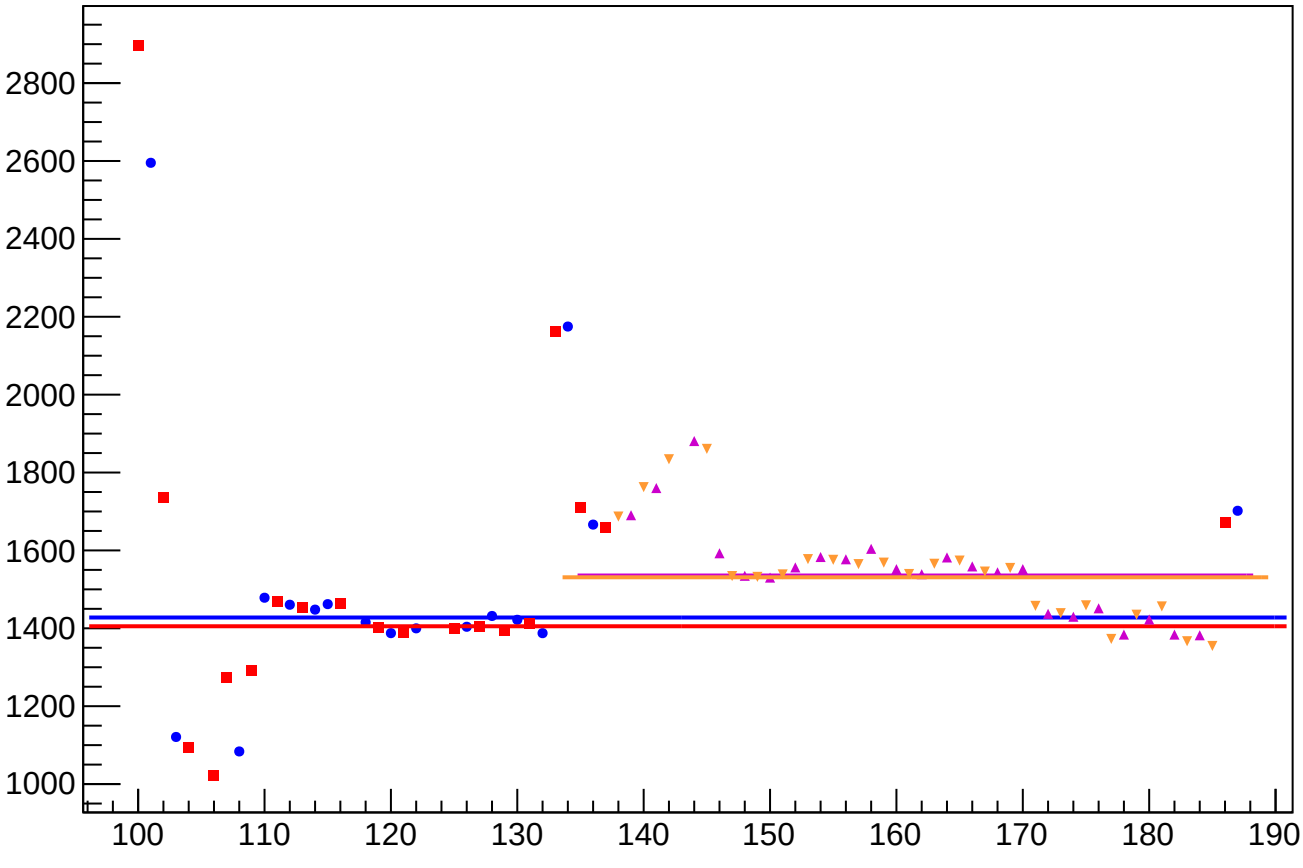
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 239.669+/-372.697 χ^2/NDF: 45.8/35

In: 151.286+/-298.406 χ^2/NDF:38.1/39

Out: 7.344+/-293.874 χ^2/NDF:53.1/42

All: 78.213+/-209.384 χ^2/NDF: 91.3/82



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.5/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1405.250+/-0.367 χ^2/NDF: 415505.1/18

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

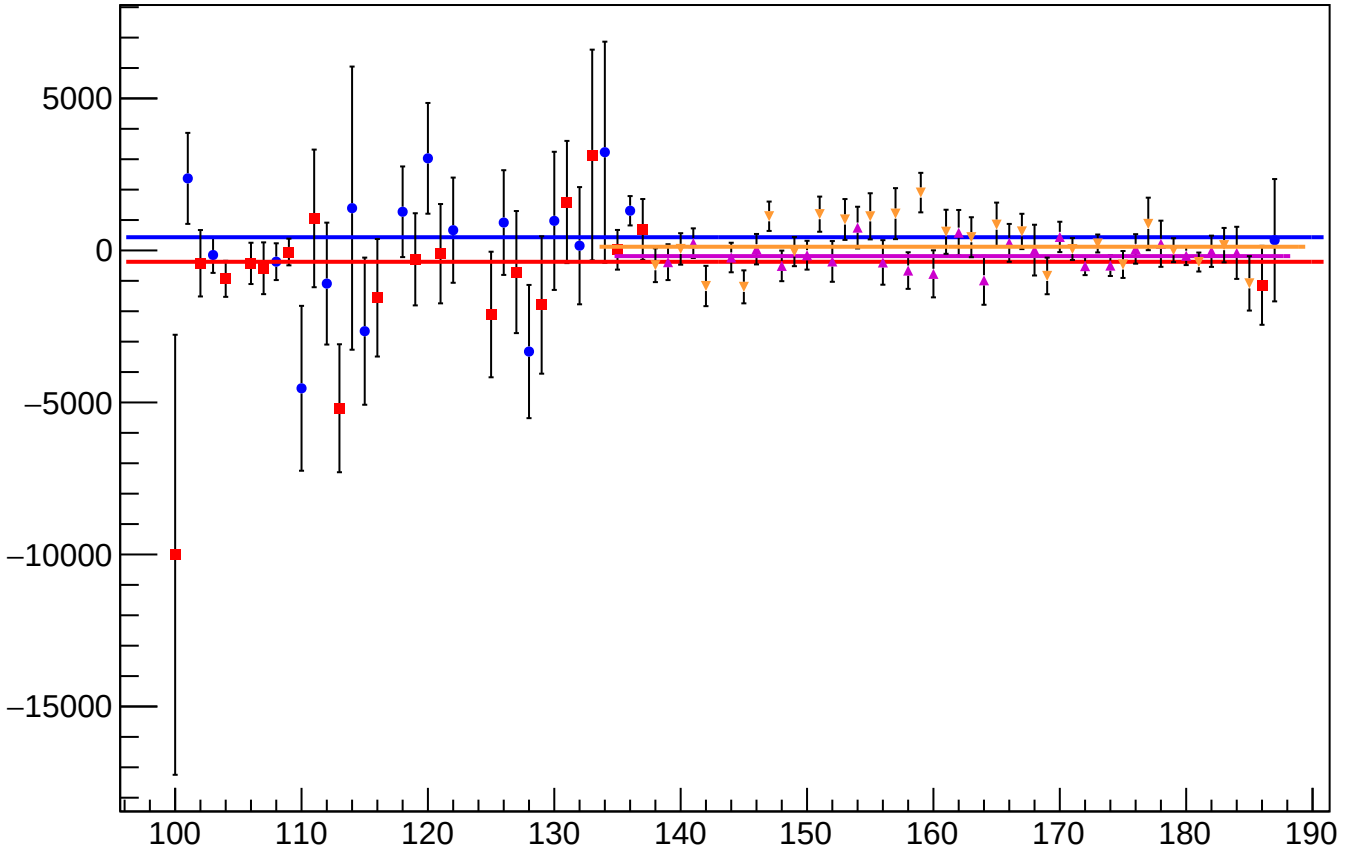
Right: 1416.159+/-0.264 χ^2/NDF: 987565.9/35

In: 1502.005+/-0.211 χ^2/NDF:818639.9/39

Out: 1490.743+/-0.208 χ^2/NDF:698701.9/42

All: 1496.288+/-0.148 χ^2/NDF: 1518788.0/82

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 434.664+/-273.358 χ^2/NDF: 19.3/16

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -373.654+/-230.046 χ^2/NDF: 14.3/18

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

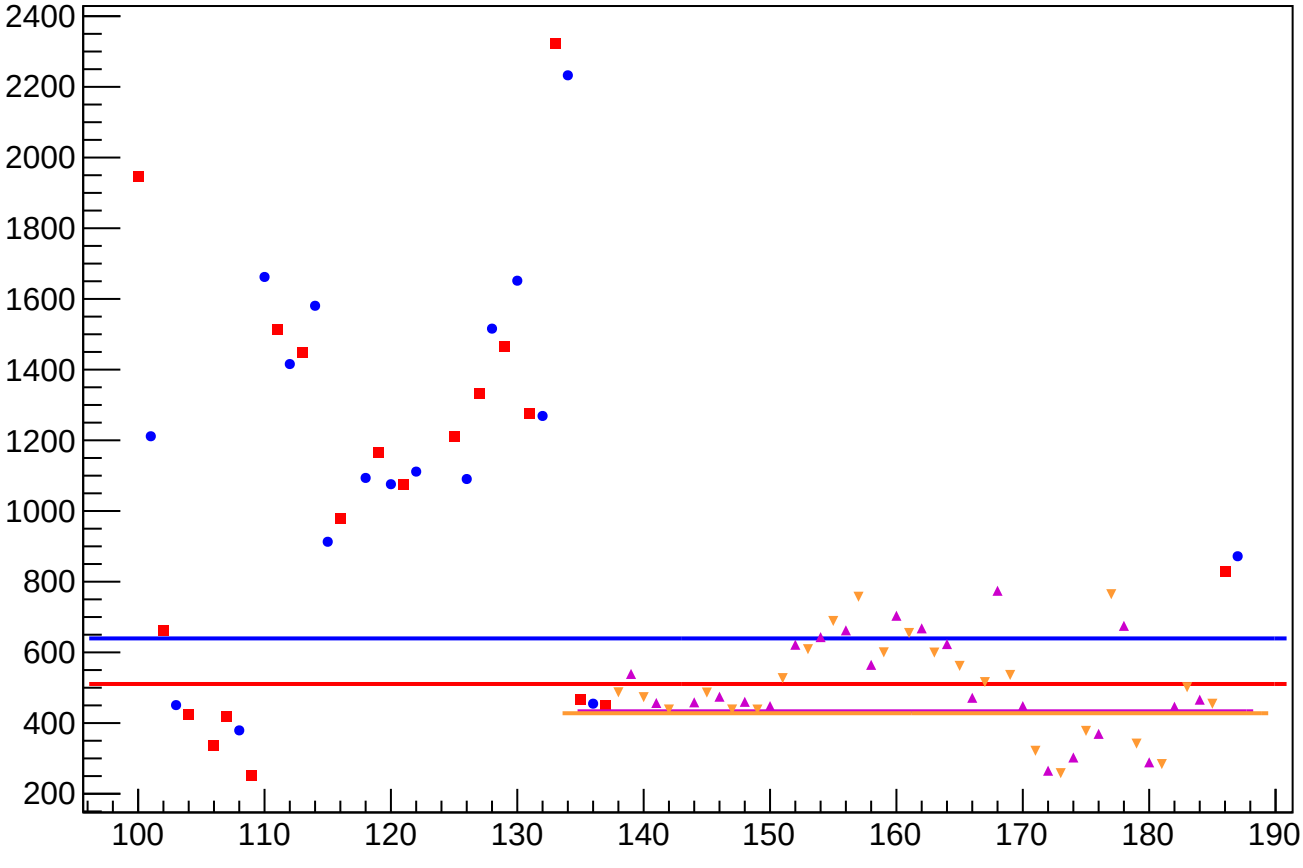
Right: -38.530+/-176.012 χ^2/NDF: 38.8/35

In: -104.289+/-99.619 χ^2/NDF:35.4/39

Out: 35.907+/-95.566 χ^2/NDF:61.8/42

All: -31.281+/-68.963 χ^2/NDF: 98.2/82

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 639.508+/-0.193 χ^2/NDF: 3779796.5/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 510.591+/-0.163 χ^2/NDF: 4434225.6/18

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

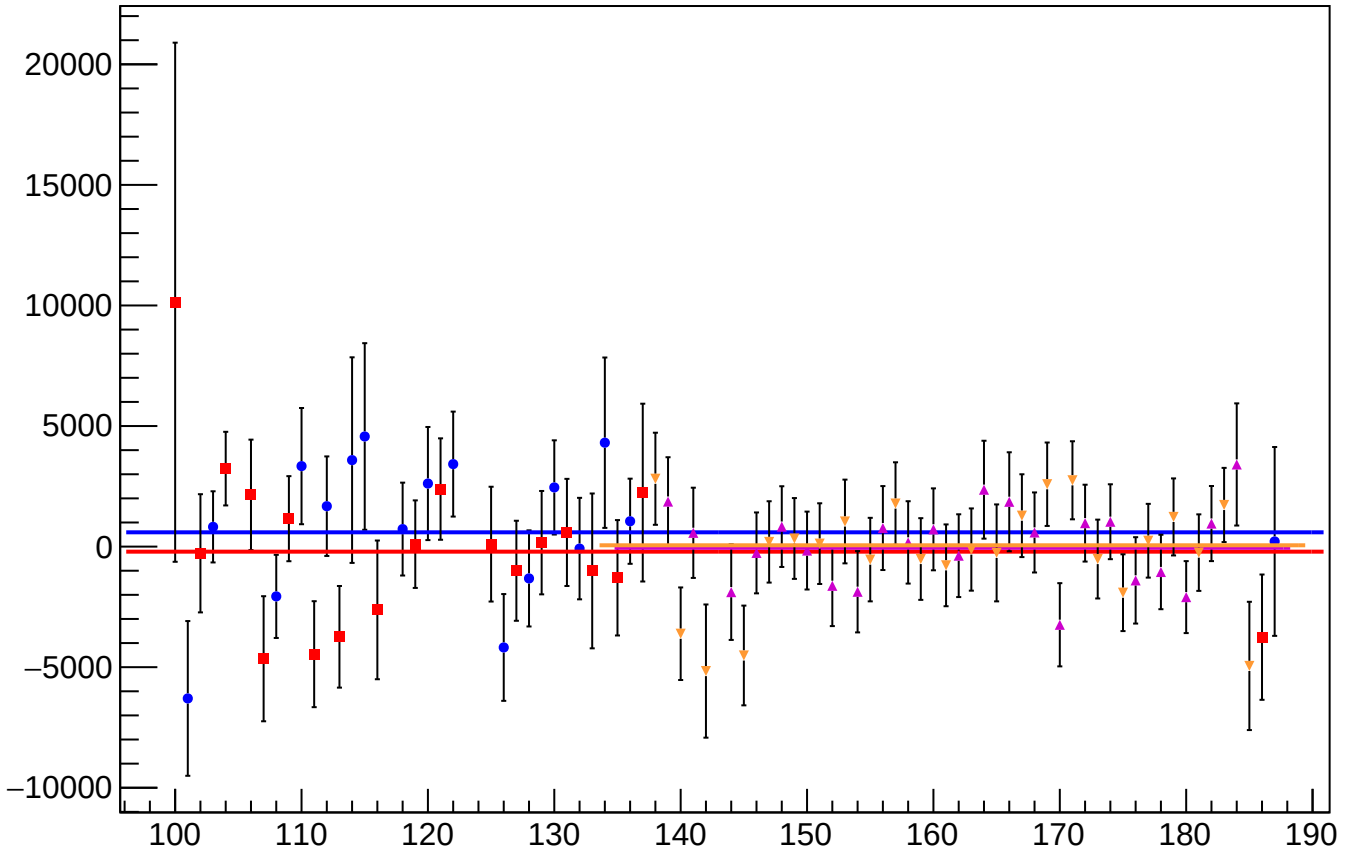
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 564.040+/-0.124 χ^2/NDF: 8474423.2/35

In: 460.671+/-0.070 χ^2/NDF:8014904.3/39

Out: 442.099+/-0.068 χ^2/NDF:7836649.9/42

All: 451.000+/-0.049 χ^2/NDF: 15887753.4/82



Right In: 592.820+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -209.510+/-521.962 χ^2/NDF: 22.3/18

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

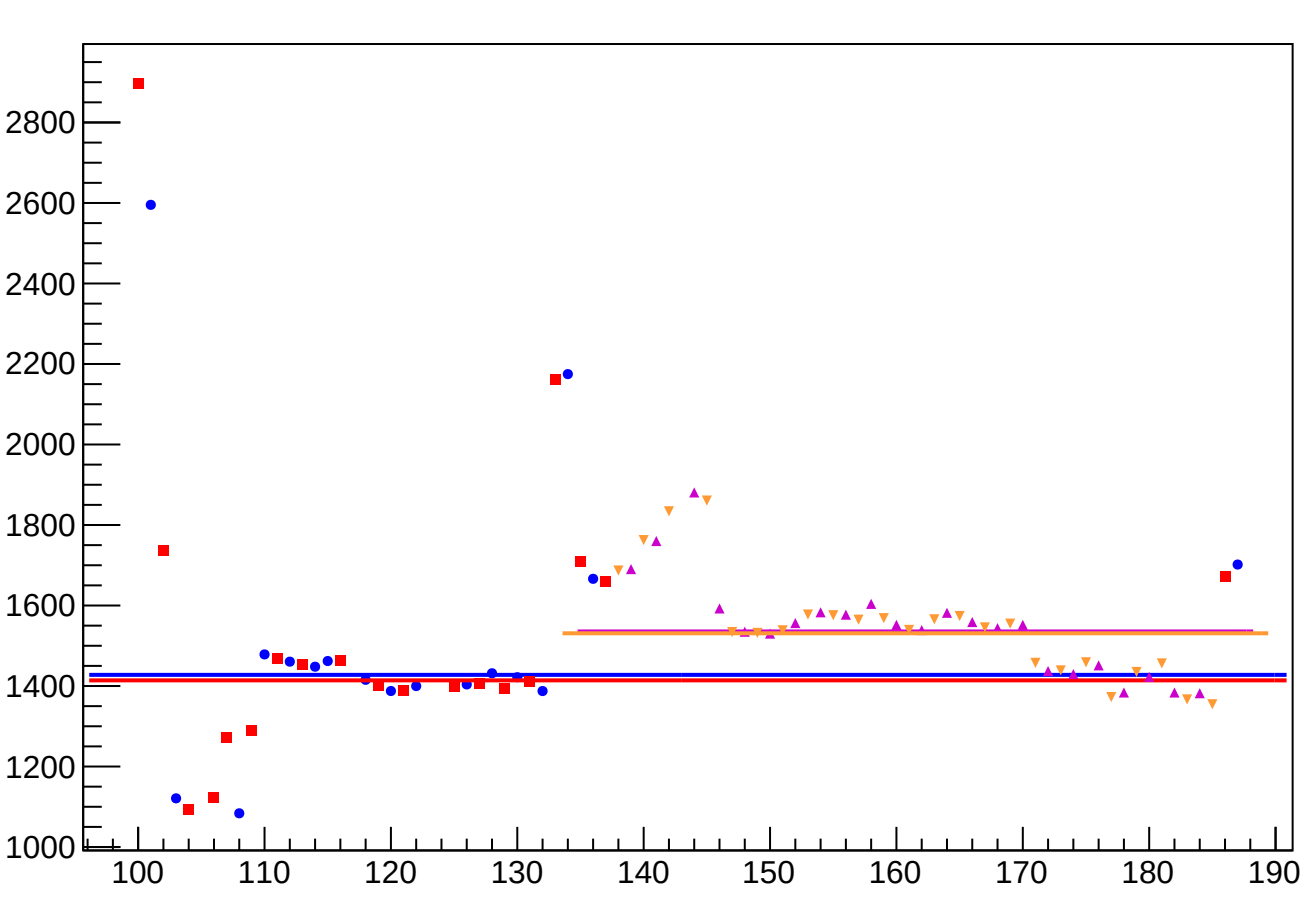
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 181.767+/-373.603 χ^2/NDF: 43.8/35

In: 151.195+/-298.406 χ^2/NDF:38.1/39

Out: -29.282+/-294.318 χ^2/NDF:50.9/42

All: 59.712+/-209.545 χ^2/NDF: 89.2/82



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.7/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1414.039+/-0.369 χ^2/NDF: 379541.4/18

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

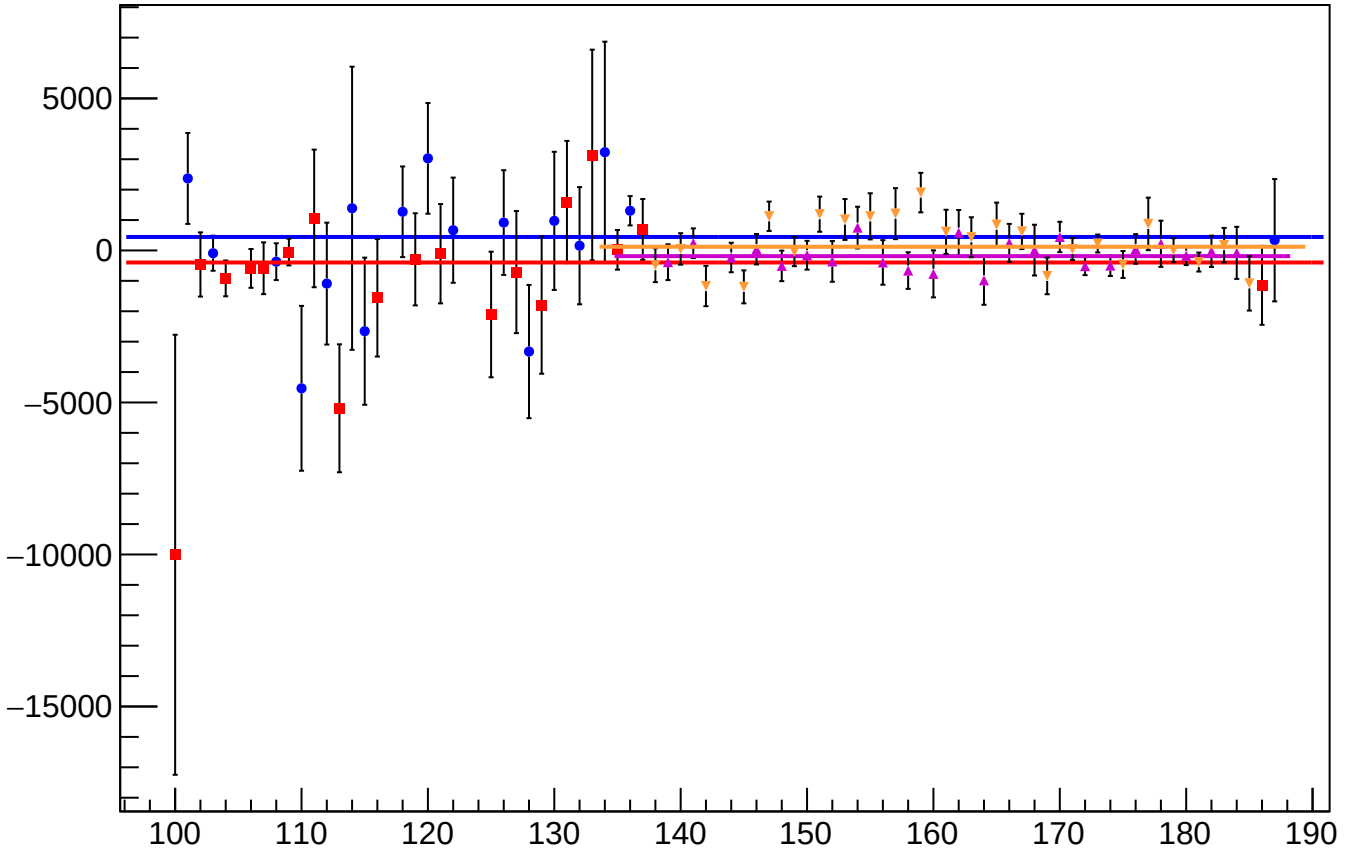
Right: 1420.715+/-0.264 χ^2/NDF: 950456.0/35

In: 1502.005+/-0.211 χ^2/NDF:818640.3/39

Out: 1493.796+/-0.208 χ^2/NDF:651547.6/42

All: 1497.844+/-0.148 χ^2/NDF: 1470955.1/82

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 443.134+/-272.210 χ^2/NDF: 19.2/16

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -396.390+/-227.765 χ^2/NDF: 14.3/18

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

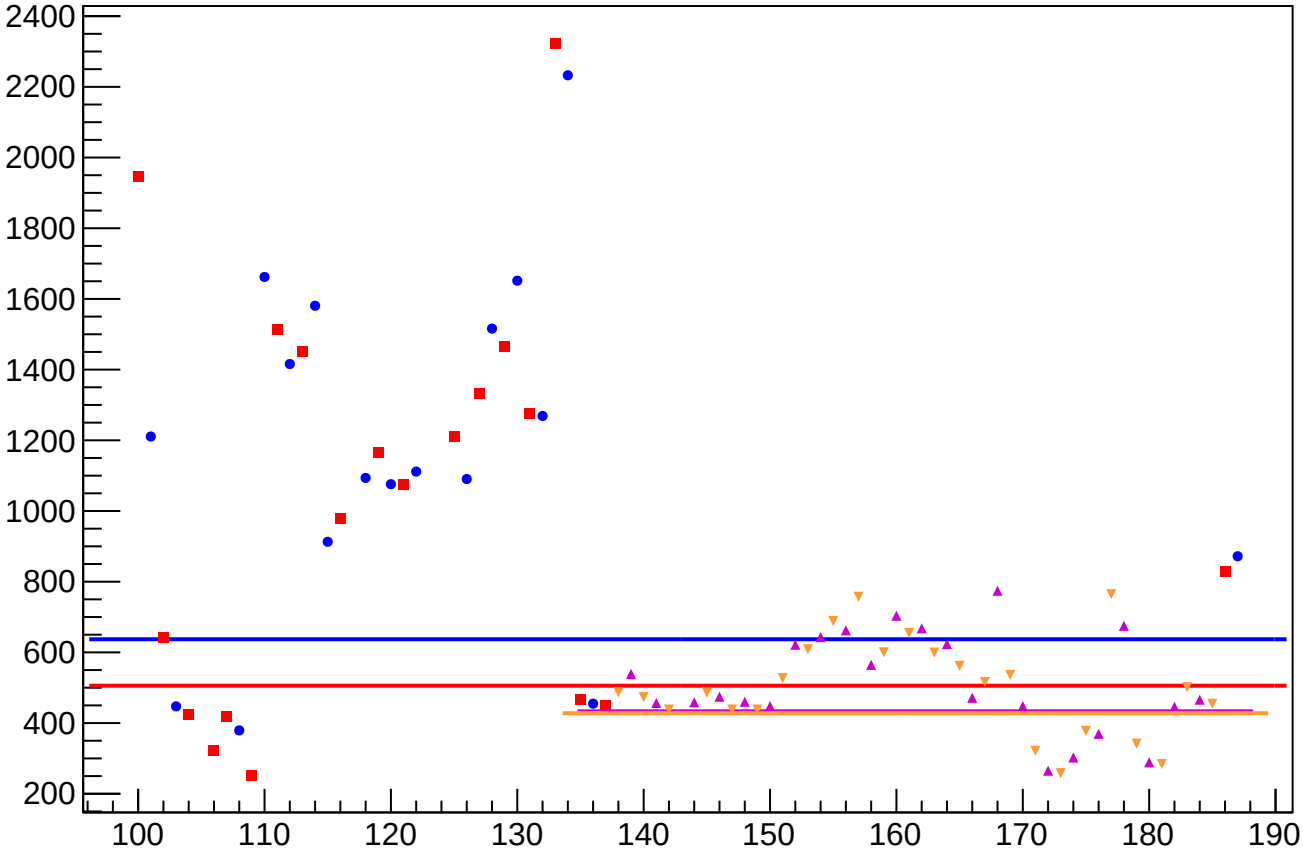
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: -50.672+/-174.682 χ^2/NDF: 39.1/35

In: -102.733+/-99.563 χ^2/NDF:35.4/39

Out: 30.498+/-95.400 χ^2/NDF:62.3/42

All: -33.274+/-68.883 χ^2/NDF: 98.6/82



Right In: 637.133+/-0.192 χ^2/NDF: 3795496.8/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 505.685+/-0.161 χ^2/NDF: 4466407.1/18

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

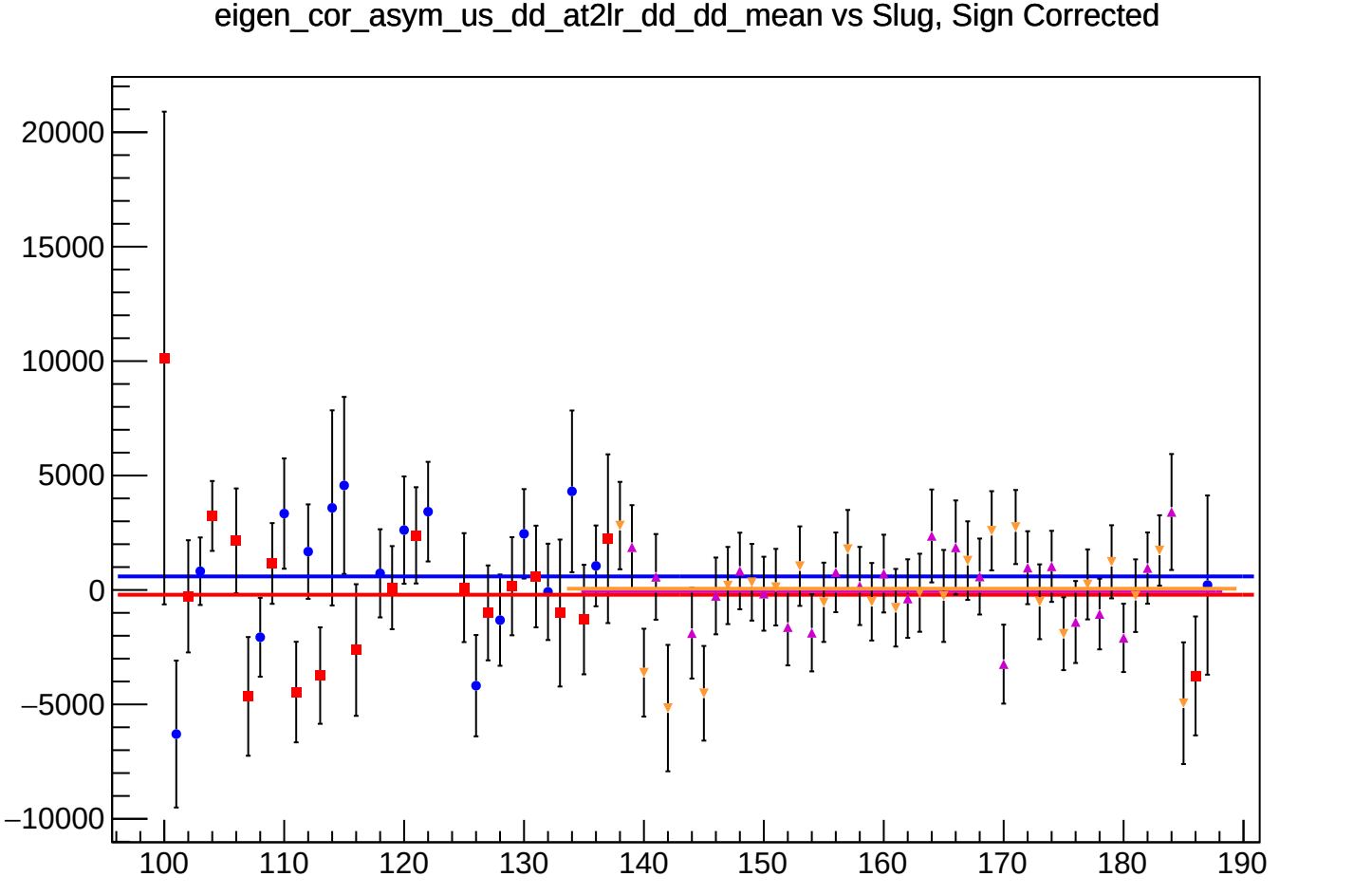
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 559.815+/-0.124 χ^2/NDF: 8536220.2/35

In: 460.555+/-0.070 χ^2/NDF:8014911.2/39

Out: 441.476+/-0.067 χ^2/NDF:7847568.8/42

All: 450.608+/-0.049 χ^2/NDF: 15900771.7/82



Right In: 592.820+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -209.510+/-521.962 χ^2/NDF: 22.3/18

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

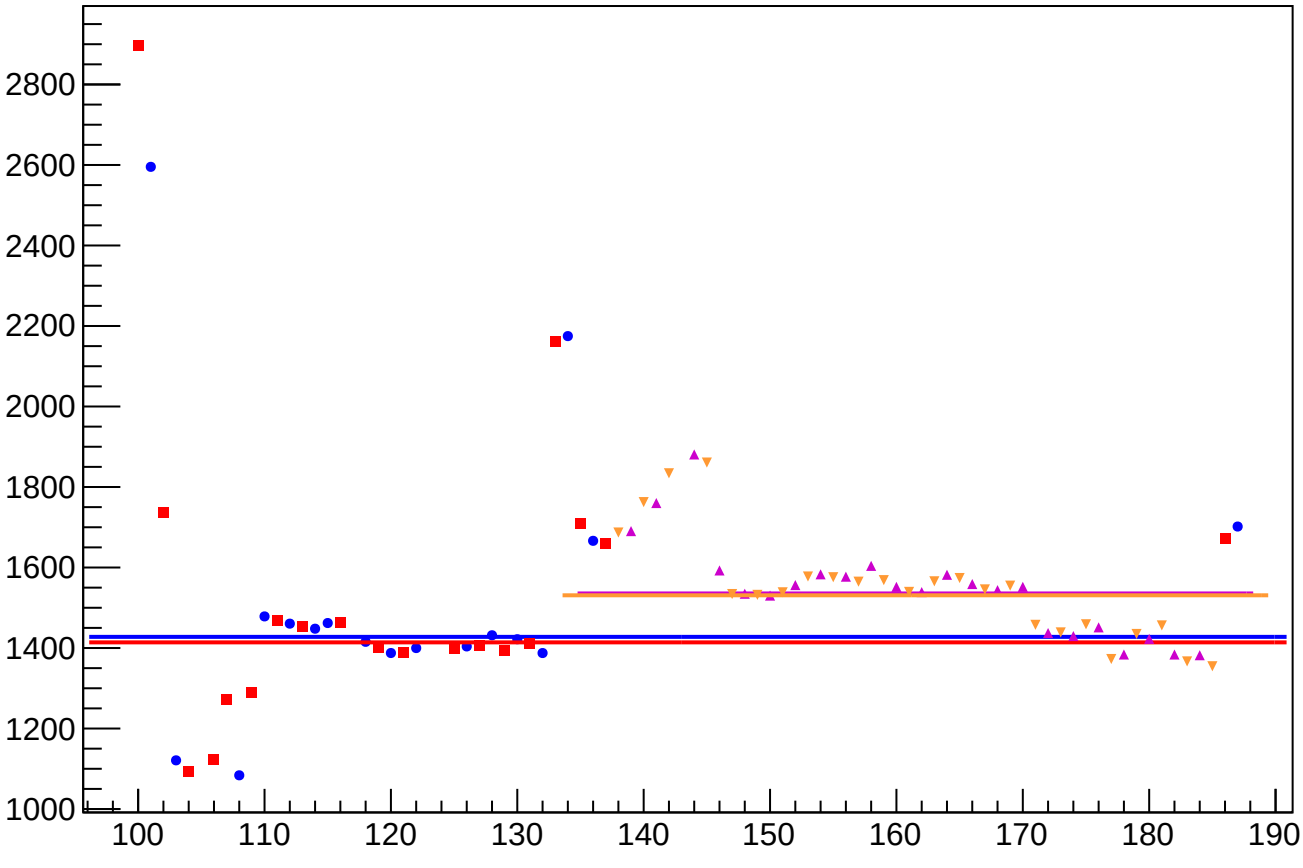
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 181.767+/-373.603 χ^2/NDF: 43.8/35

In: 151.195+/-298.406 χ^2/NDF:38.1/39

Out: -29.282+/-294.318 χ^2/NDF:50.9/42

All: 59.712+/-209.545 χ^2/NDF: 89.2/82



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.7/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1414.039+/-0.369 χ^2/NDF: 379541.4/18

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

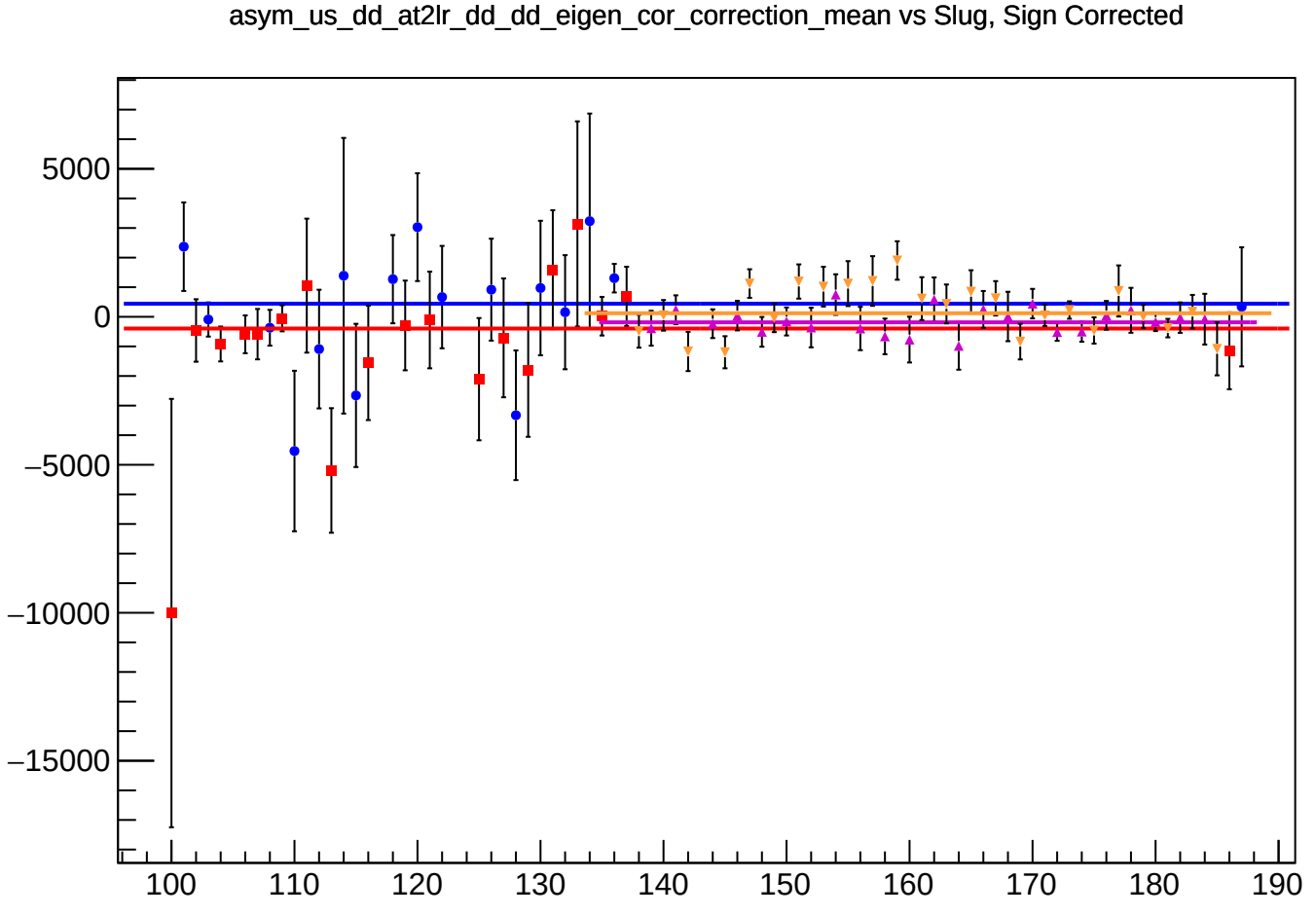
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1420.715+/-0.264 χ^2/NDF: 950456.0/35

In: 1502.005+/-0.211 χ^2/NDF:818640.3/39

Out: 1493.796+/-0.208 χ^2/NDF:651547.6/42

All: 1497.844+/-0.148 χ^2/NDF: 1470955.1/82



Right In: 443.134+/-272.210 χ^2/NDF: 19.2/16

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -396.390+/-227.765 χ^2/NDF: 14.3/18

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

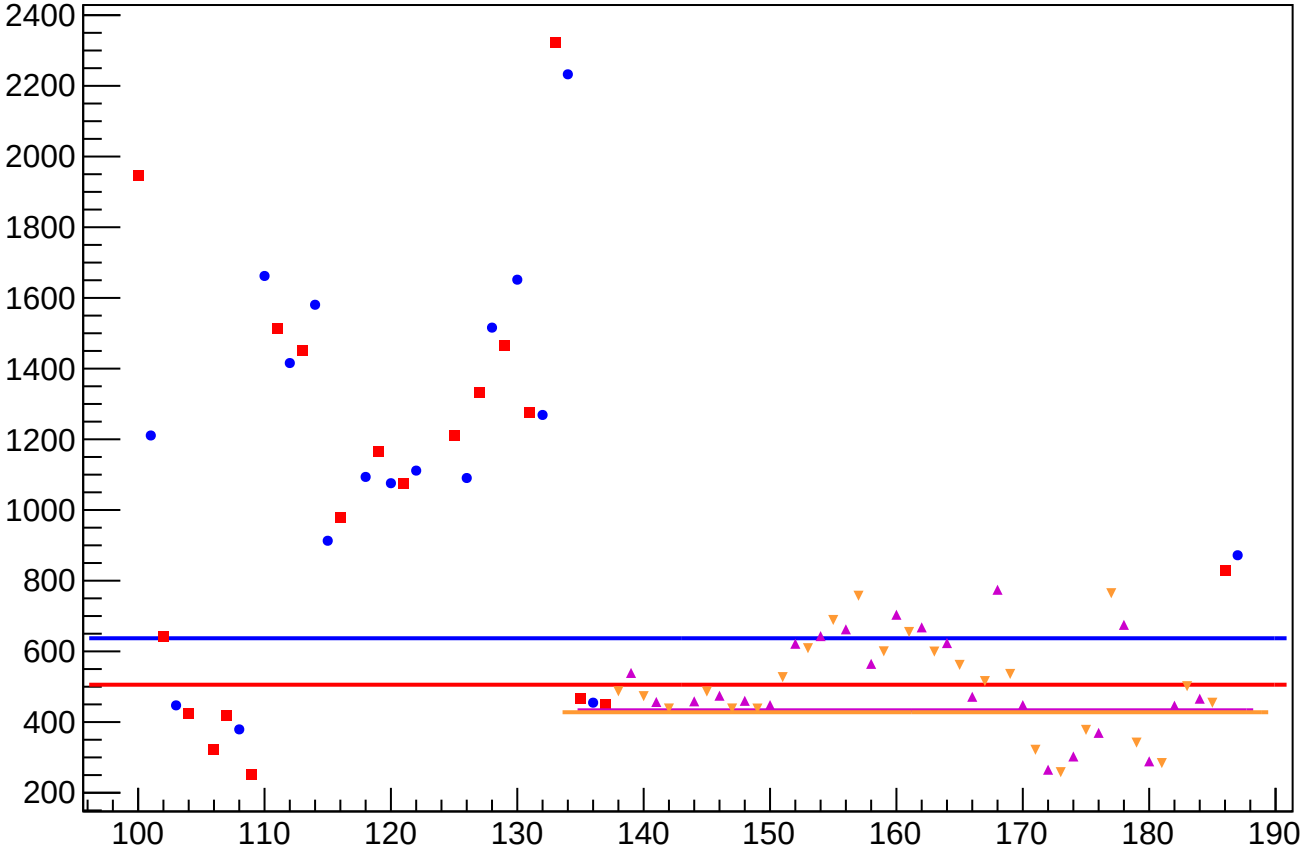
Right: -50.672+/-174.682 χ^2/NDF: 39.1/35

In: -102.733+/-99.563 χ^2/NDF:35.4/39

Out: 30.498+/-95.400 χ^2/NDF:62.3/42

All: -33.274+/-68.883 χ^2/NDF: 98.6/82

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 637.133+/-0.192 χ^2/NDF: 3795496.8/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 505.685+/-0.161 χ^2/NDF: 4466407.1/18

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

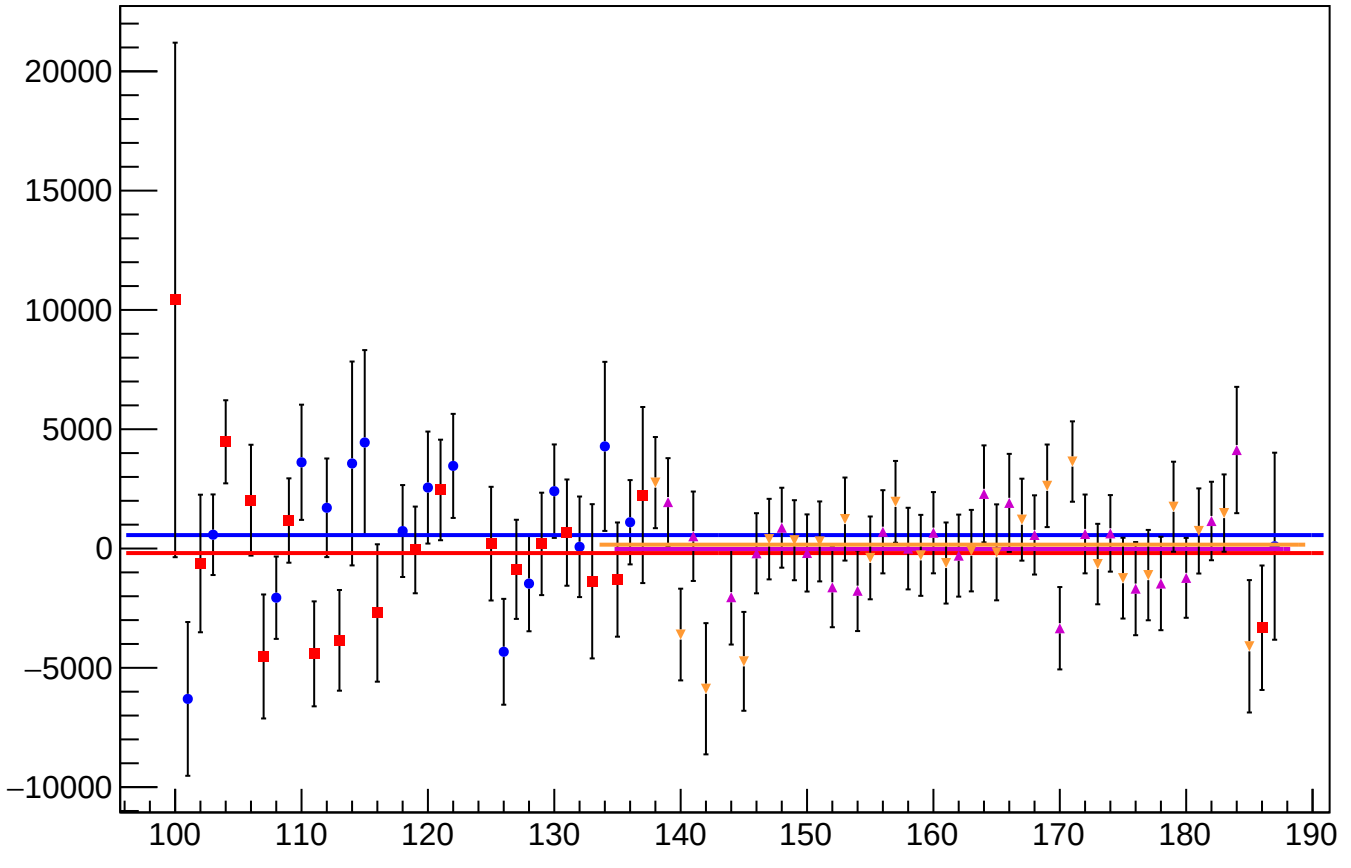
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 559.815+/-0.124 χ^2/NDF: 8536220.2/35

In: 460.555+/-0.070 χ^2/NDF:8014911.2/39

Out: 441.476+/-0.067 χ^2/NDF:7847568.8/42

All: 450.608+/-0.049 χ^2/NDF: 15900771.7/82



Right In: 563.120+/-544.312 χ^2/NDF: 20.8/16

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -190.542+/-533.810 χ^2/NDF: 24.0/18

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

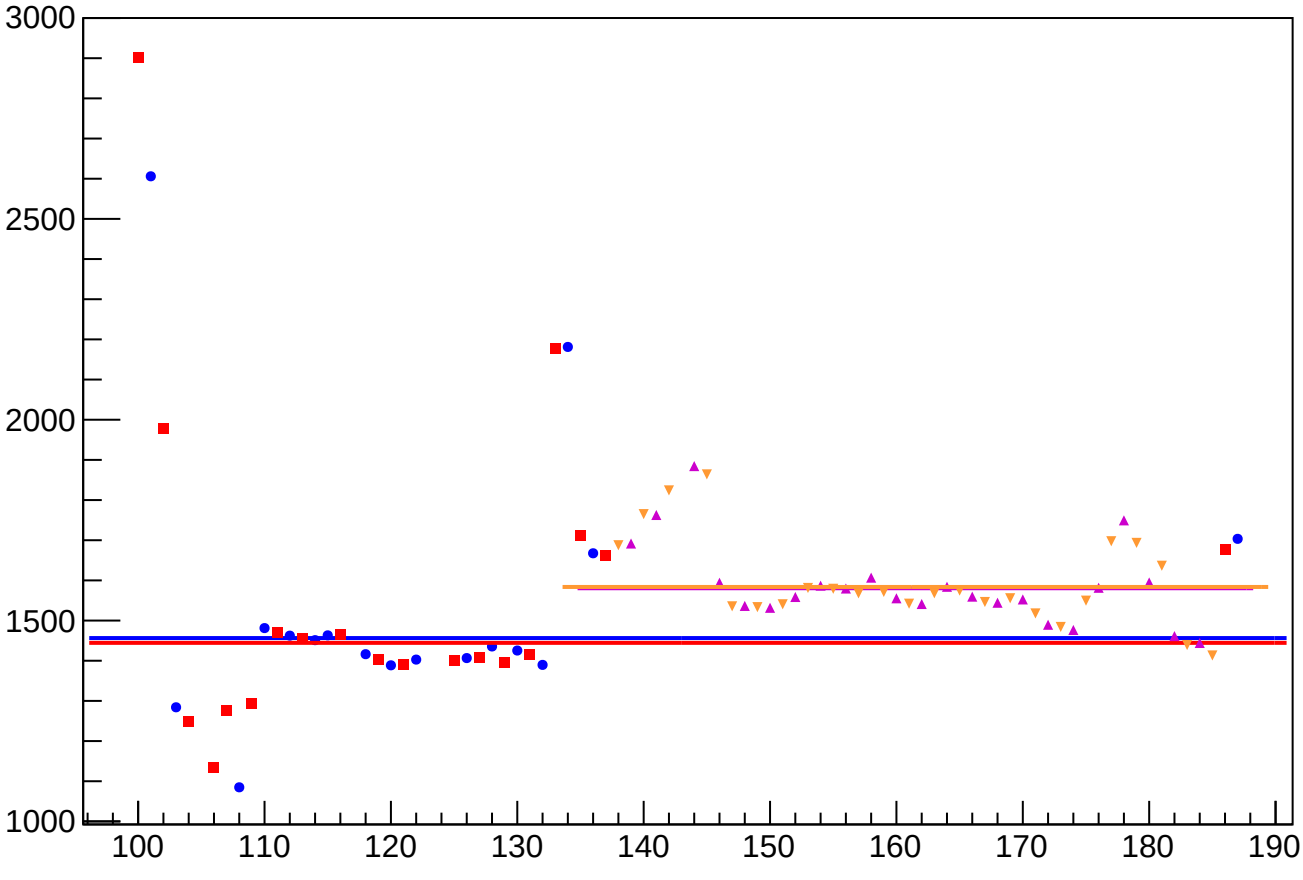
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 178.948+/-381.119 χ^2/NDF: 45.8/35

In: 163.966+/-305.873 χ^2/NDF:37.6/39

Out: 47.999+/-303.185 χ^2/NDF:54.2/42

All: 105.471+/-215.328 χ^2/NDF: 91.9/82



Right In: 1456.437+/-0.385 χ^2/NDF: 495936.7/16

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1444.525+/-0.377 χ^2/NDF: 345306.5/18

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

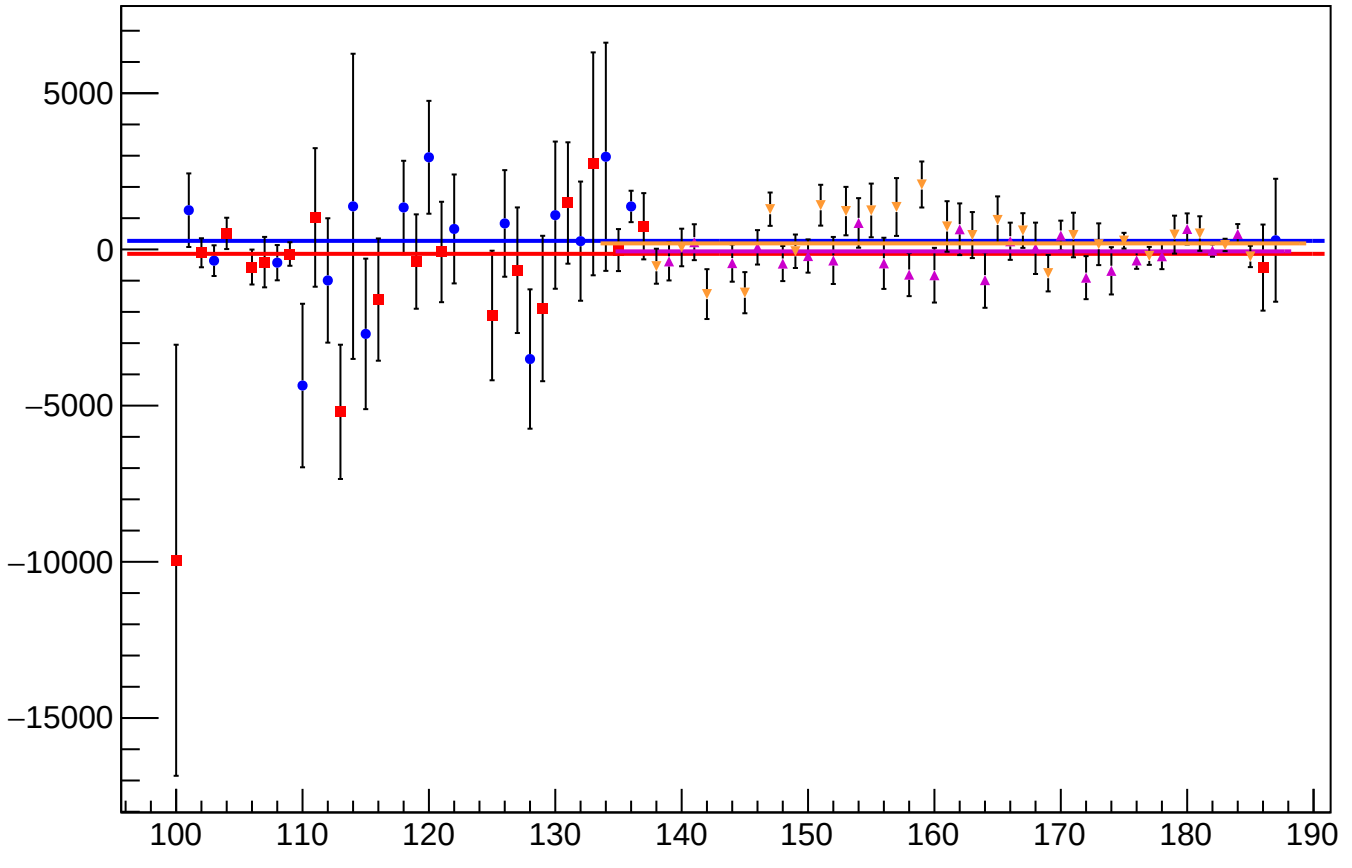
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1450.365+/-0.269 χ^2/NDF: 841731.5/35

In: 1541.299+/-0.216 χ^2/NDF:692732.6/39

Out: 1538.786+/-0.214 χ^2/NDF:570949.6/42

All: 1540.031+/-0.152 χ^2/NDF: 1263750.3/82



Right In: 273.784+/-258.283 χ^2/NDF: 20.2/16

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -141.476+/-193.982 χ^2/NDF: 14.5/18

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

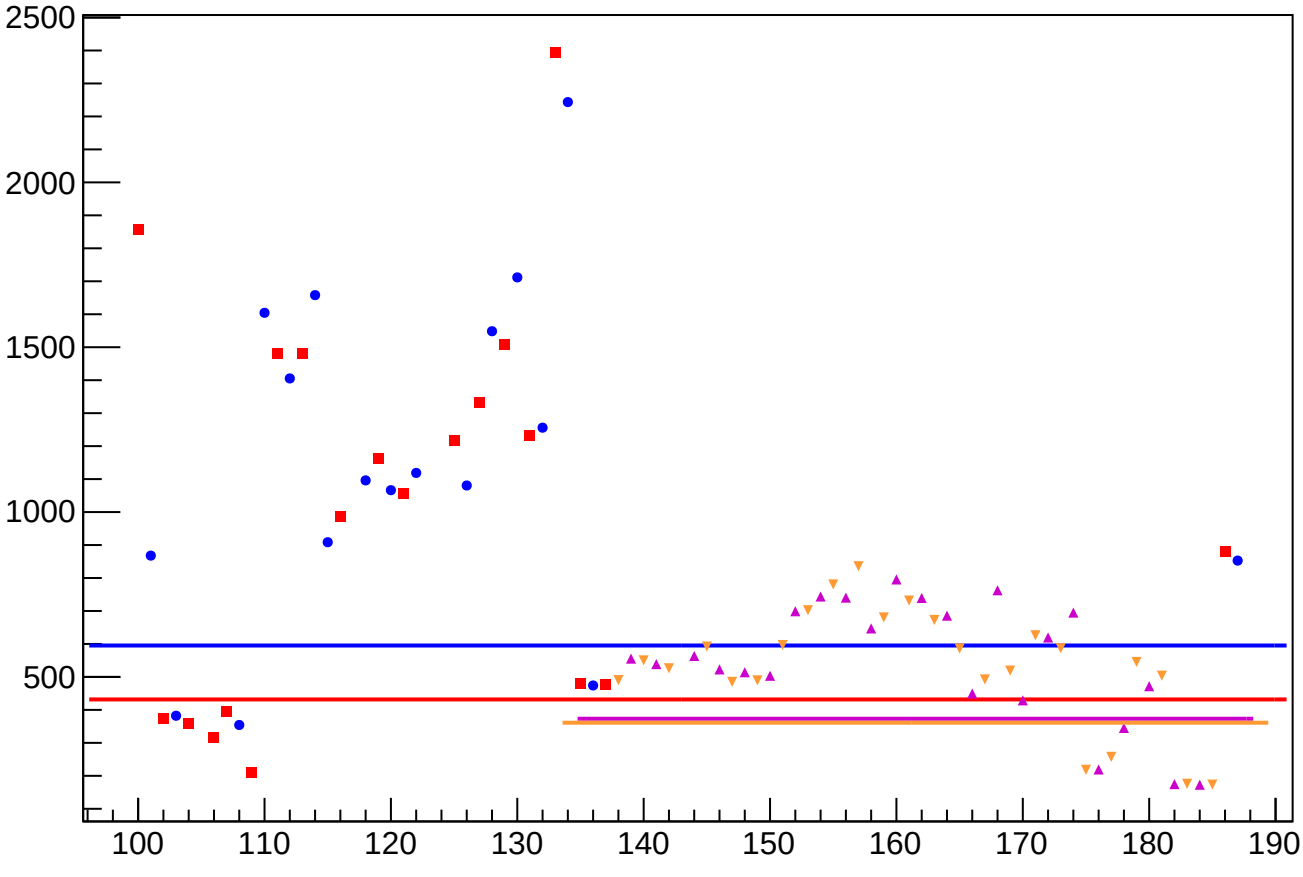
Right: 8.284+/-155.108 χ^2/NDF: 36.4/35

In: -18.601+/-93.025 χ^2/NDF:38.7/39

Out: 127.561+/-85.963 χ^2/NDF:57.0/42

All: 60.238+/-63.134 χ^2/NDF: 97.0/82

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 595.264+/-0.183 χ^2/NDF: 3920369.5/16

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 431.695+/-0.137 χ^2/NDF: 5074075.4/18

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

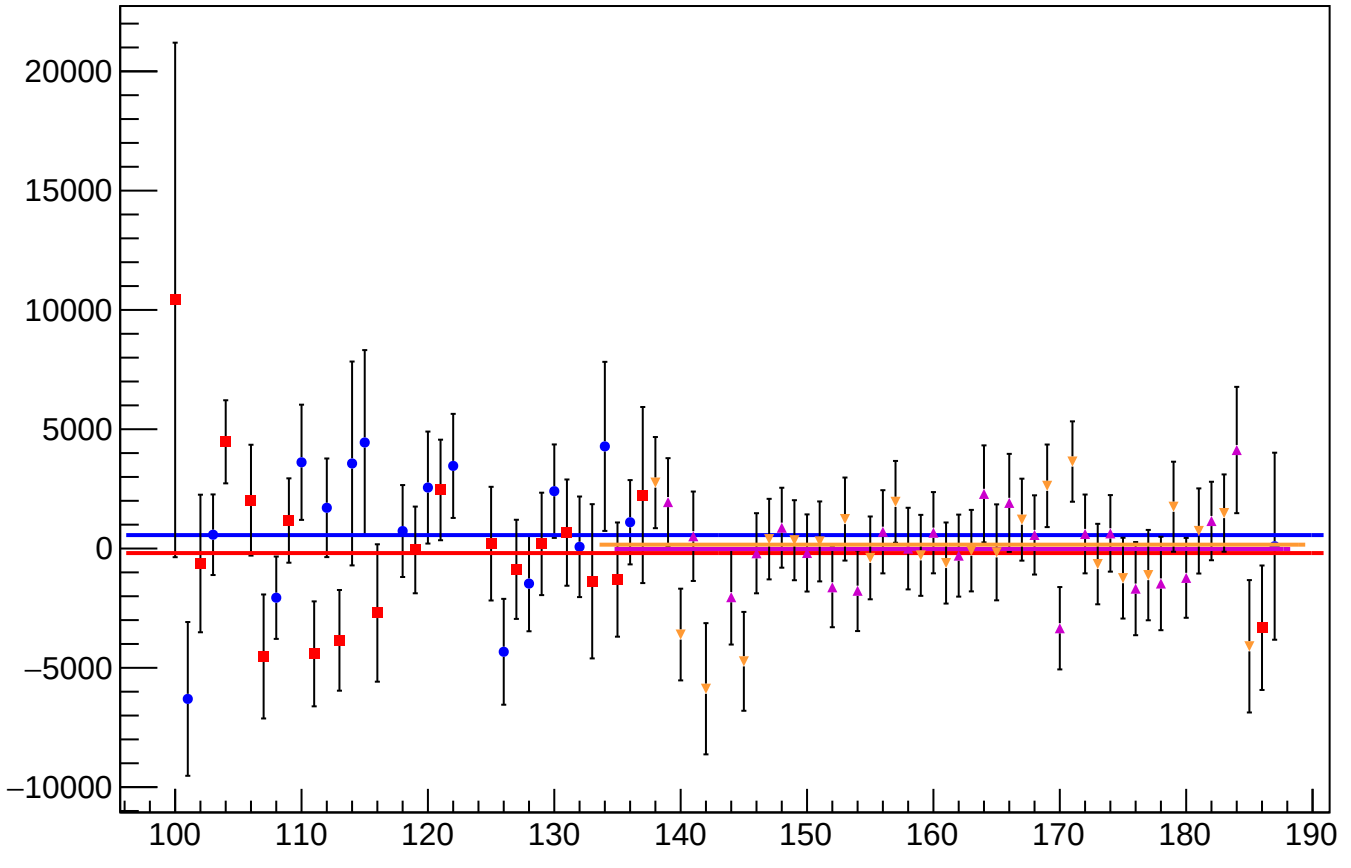
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 490.685+/-0.110 χ^2/NDF: 9507285.6/35

In: 401.954+/-0.066 χ^2/NDF:13415048.5/39

Out: 374.964+/-0.061 χ^2/NDF:13470069.1/42

All: 387.396+/-0.045 χ^2/NDF: 26975932.3/82



Right In: 563.121+/-544.312 χ^2/NDF: 20.8/16

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -190.538+/-533.810 χ^2/NDF: 24.0/18

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

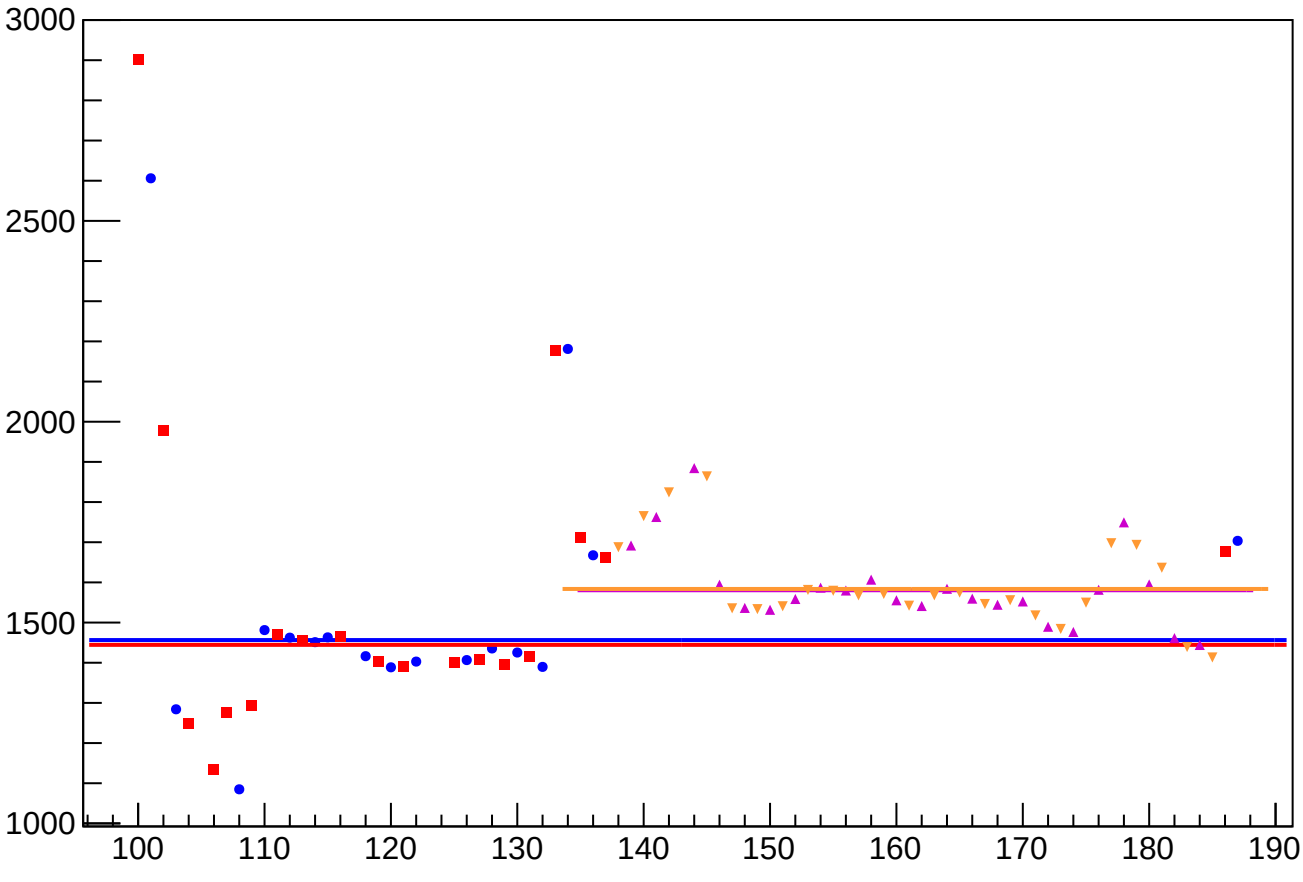
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 178.950+/-381.119 χ^2/NDF: 45.8/35

In: 163.968+/-305.873 χ^2/NDF:37.6/39

Out: 47.998+/-303.185 χ^2/NDF:54.2/42

All: 105.471+/-215.328 χ^2/NDF: 91.9/82



Right In: 1456.437+/-0.385 χ^2/NDF: 495936.2/16

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1444.525+/-0.377 χ^2/NDF: 345306.6/18

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

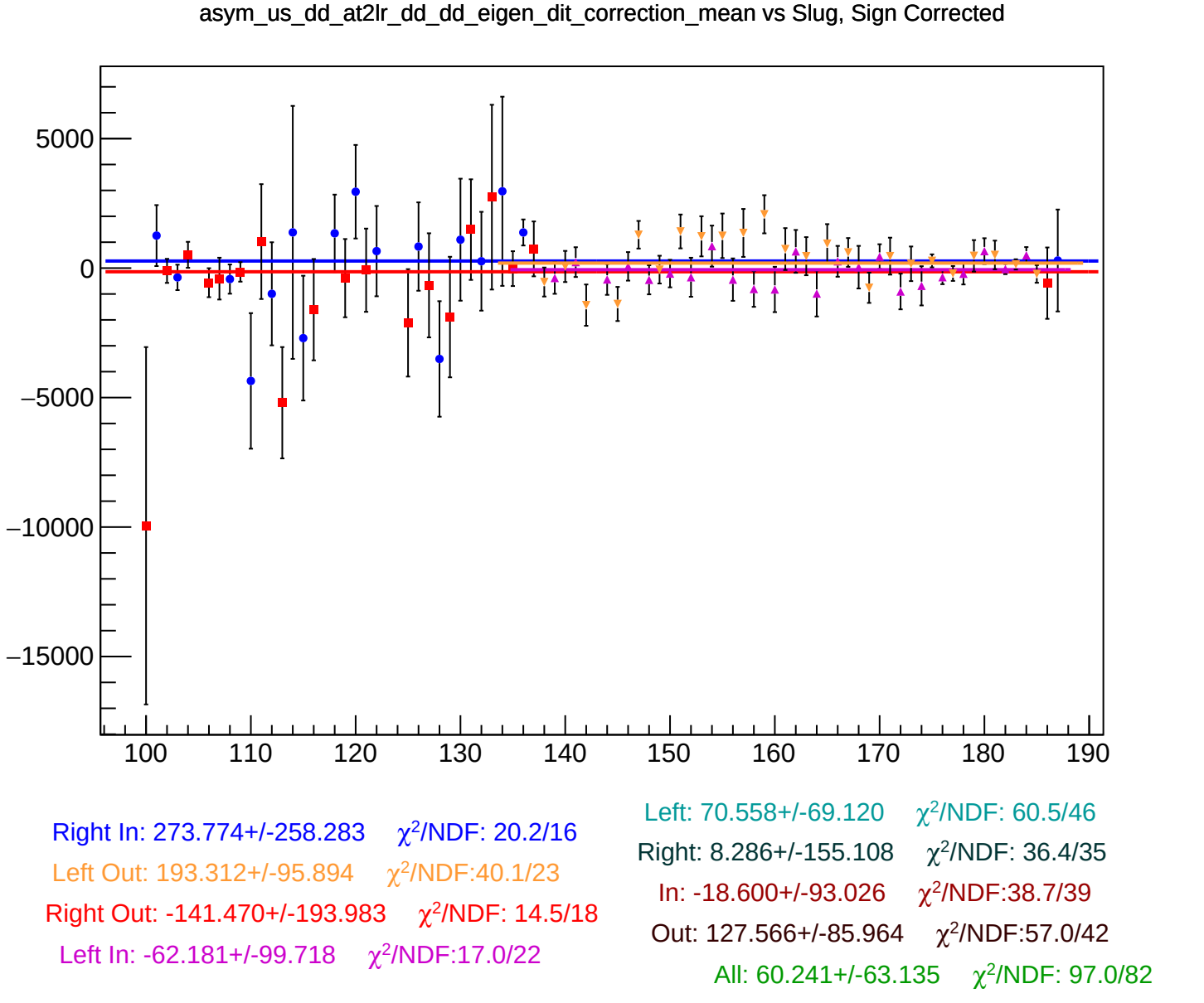
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1450.365+/-0.269 χ^2/NDF: 841731.1/35

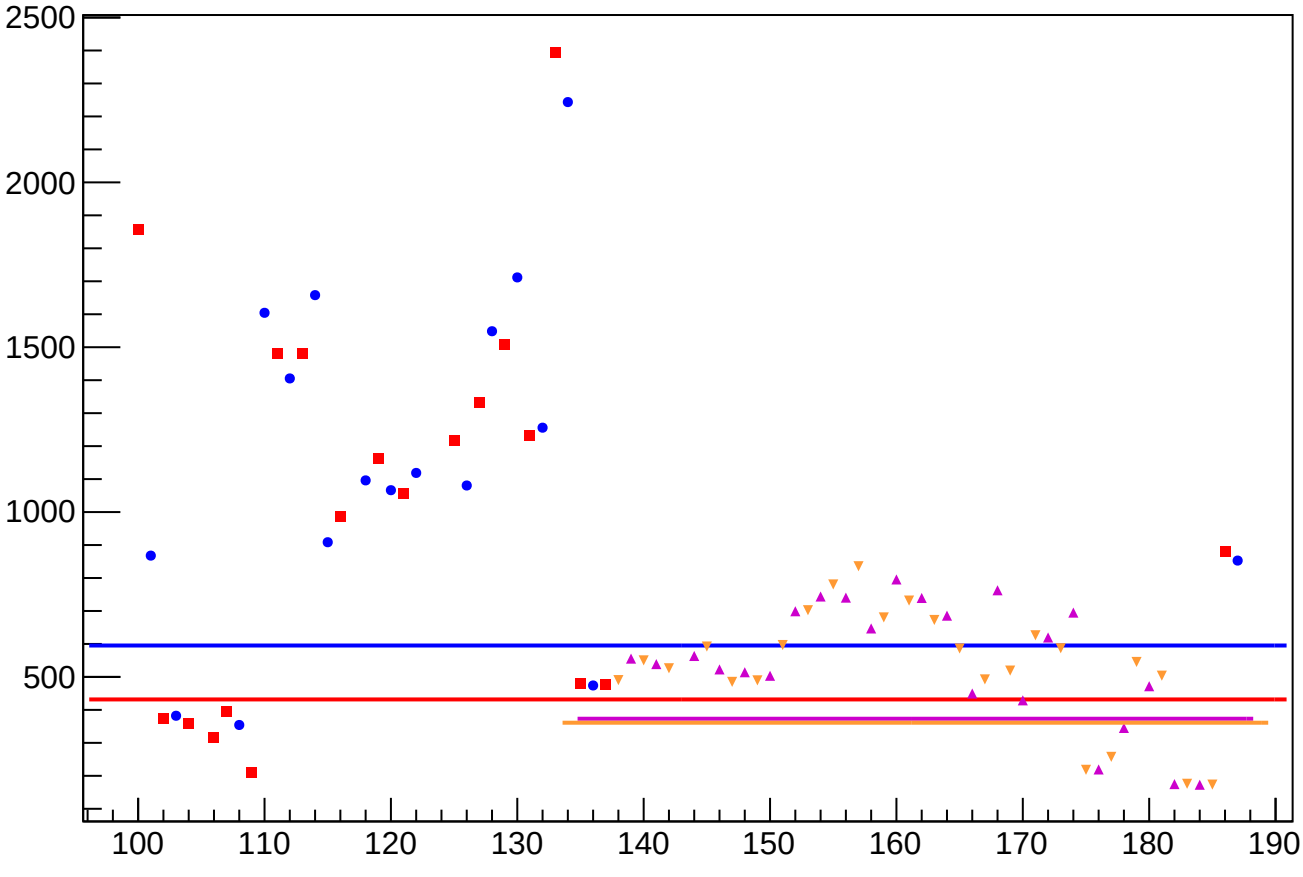
In: 1541.298+/-0.216 χ^2/NDF:692731.8/39

Out: 1538.786+/-0.214 χ^2/NDF:570949.7/42

All: 1540.031+/-0.152 χ^2/NDF: 1263749.6/82


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 273.774+/-258.283 χ²/NDF: 20.2/16
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: -141.470+/-193.983 χ²/NDF: 14.5/18
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: 8.286+/-155.108 χ²/NDF: 36.4/35
In: -18.600+/-93.026 χ²/NDF:38.7/39
Out: 127.566+/-85.964 χ²/NDF:57.0/42
All: 60.241+/-63.135 χ²/NDF: 97.0/82

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 595.262+/-0.183 χ^2/NDF: 3920403.3/16

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 431.701+/-0.137 χ^2/NDF: 5073985.4/18

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

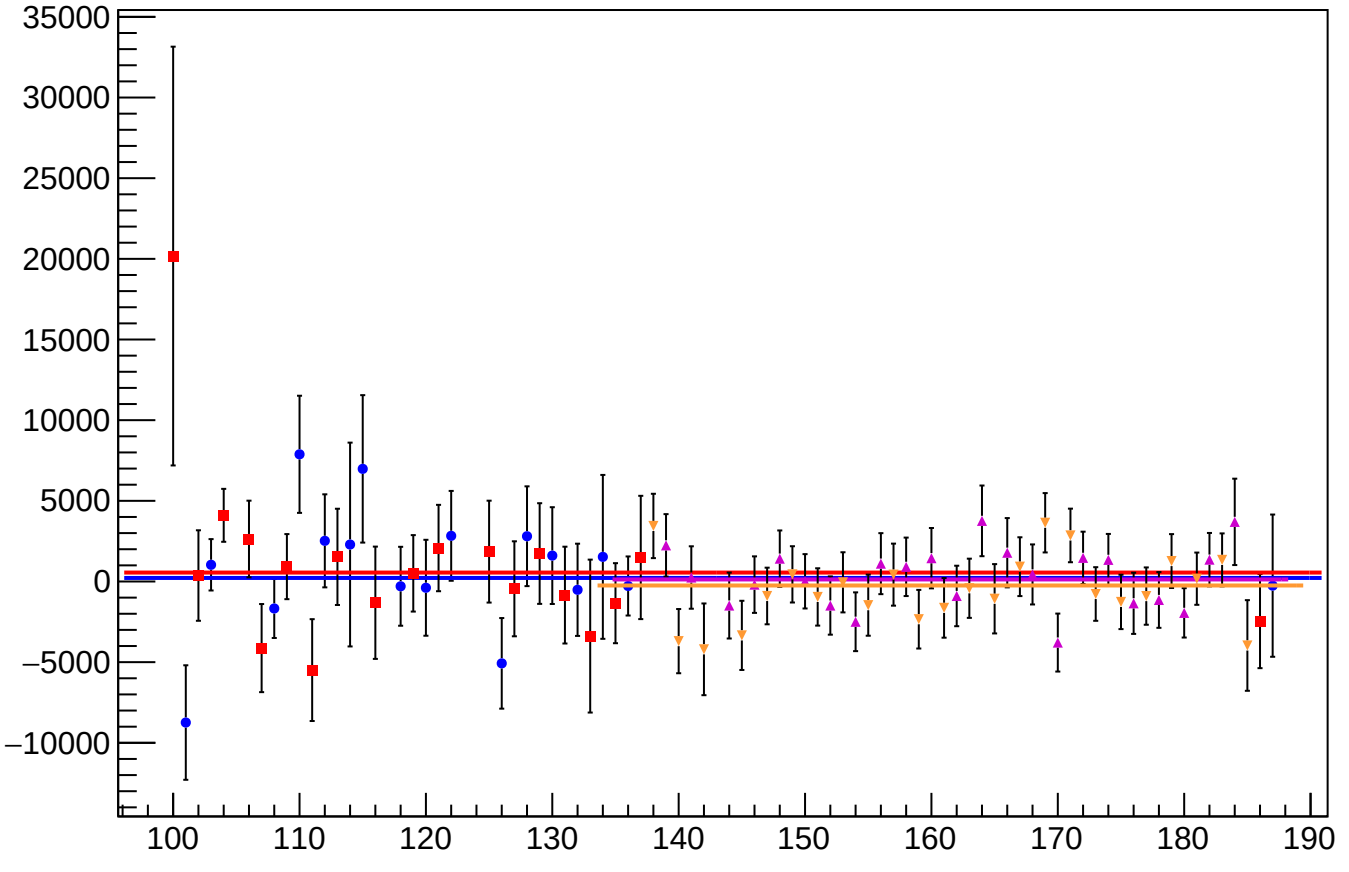
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 490.689+/-0.110 χ^2/NDF: 9507182.1/35

In: 401.958+/-0.066 χ^2/NDF:13414764.5/39

Out: 374.967+/-0.061 χ^2/NDF:13469832.2/42

All: 387.400+/-0.045 χ^2/NDF: 26975413.2/82



Right In: 219.848+/-658.760 χ^2/NDF: 20.7/16

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 553.551+/-632.870 χ^2/NDF: 18.1/18

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

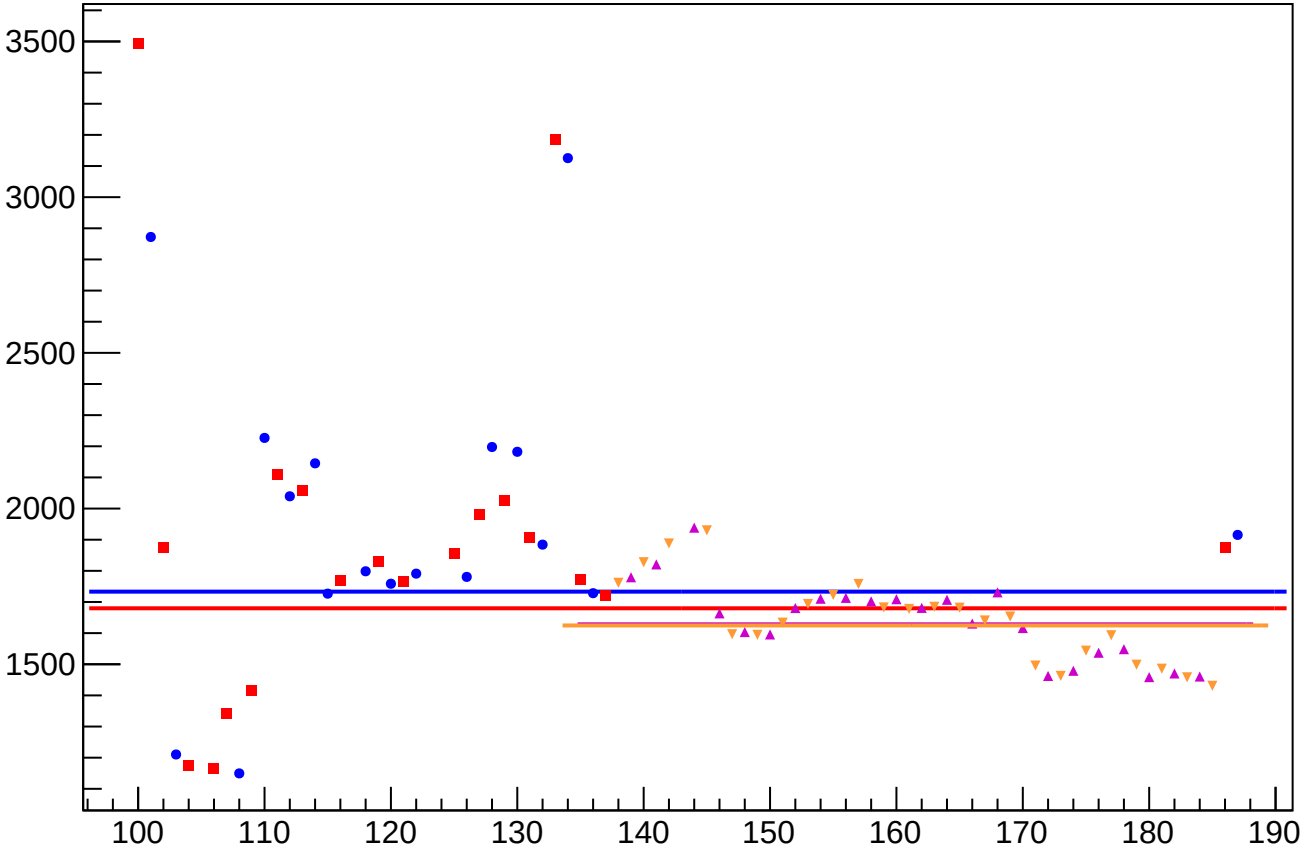
Right: 393.386+/-456.385 χ^2/NDF: 39.0/35

In: 149.637+/-330.009 χ^2/NDF:42.0/39

Out: -36.400+/-324.663 χ^2/NDF:45.4/42

All: 55.100+/-231.438 χ^2/NDF: 87.5/82

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1733.211+/-0.466 χ^2/NDF: 945573.6/16

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1679.725+/-0.448 χ^2/NDF: 753897.3/18

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

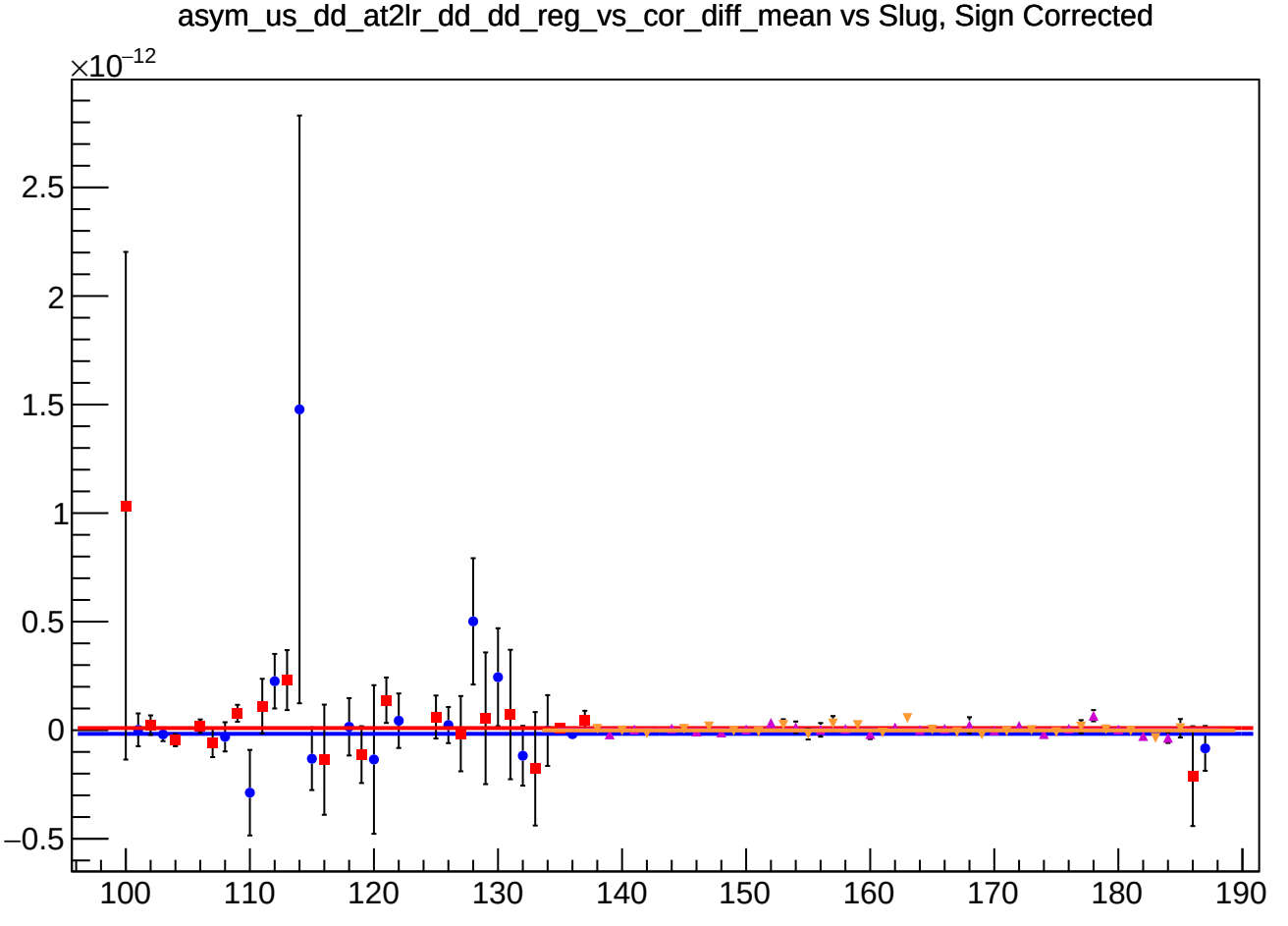
Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

Right: 1705.396+/-0.323 χ^2/NDF: 1706327.3/35

In: 1654.569+/-0.233 χ^2/NDF:1188506.4/39

Out: 1639.118+/-0.230 χ^2/NDF:972329.7/42

All: 1646.717+/-0.164 χ^2/NDF: 2163064.0/82



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/18

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

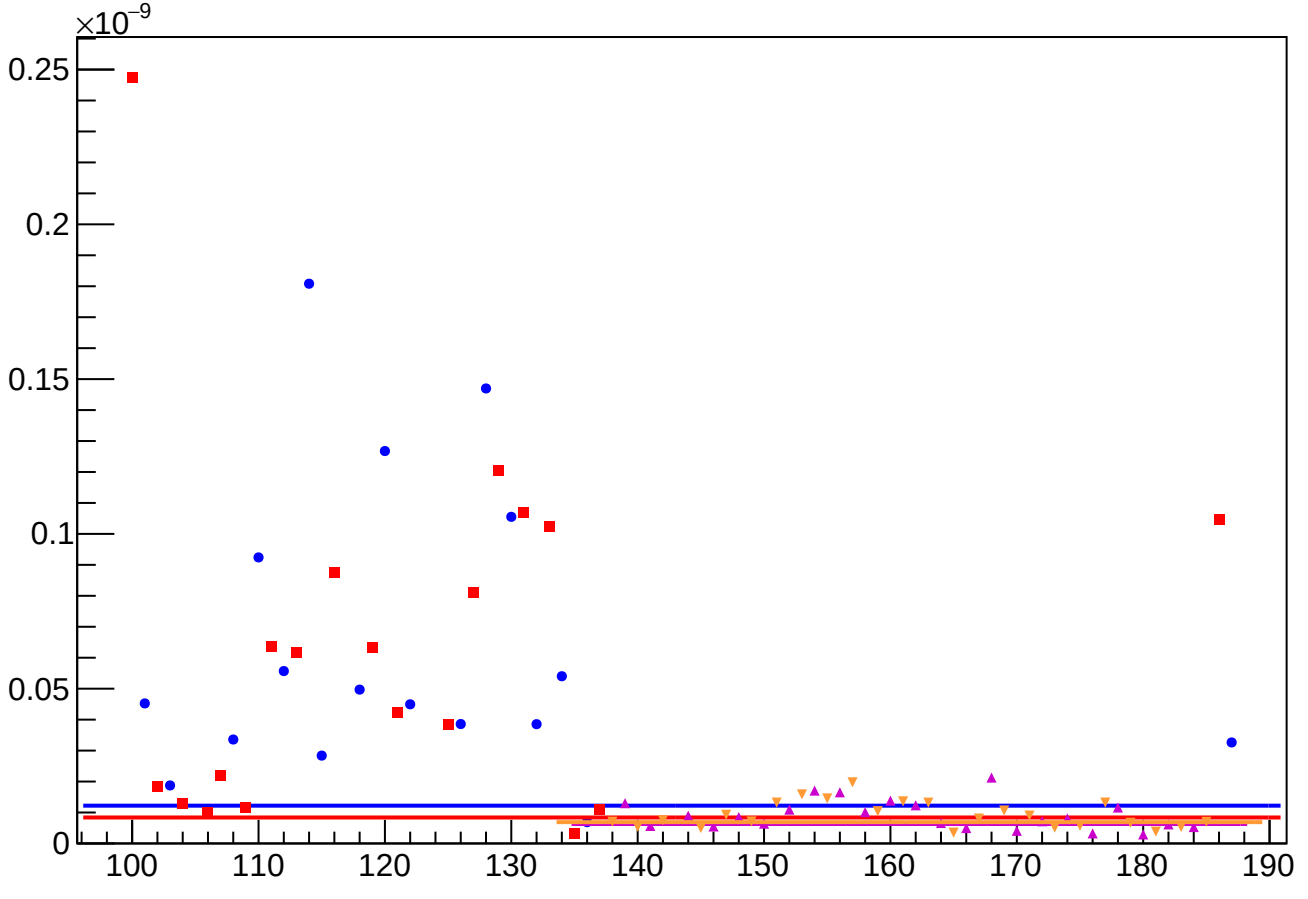
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 35.0/35

In: 0.000+/-0.000 χ^2/NDF:41.0/39

Out: 0.000+/-0.000 χ^2/NDF:41.3/42

All: 0.000+/-0.000 χ^2/NDF: 82.3/82



Right In: 0.000+/-0.000 χ^2/NDF: 3504903.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3862458.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

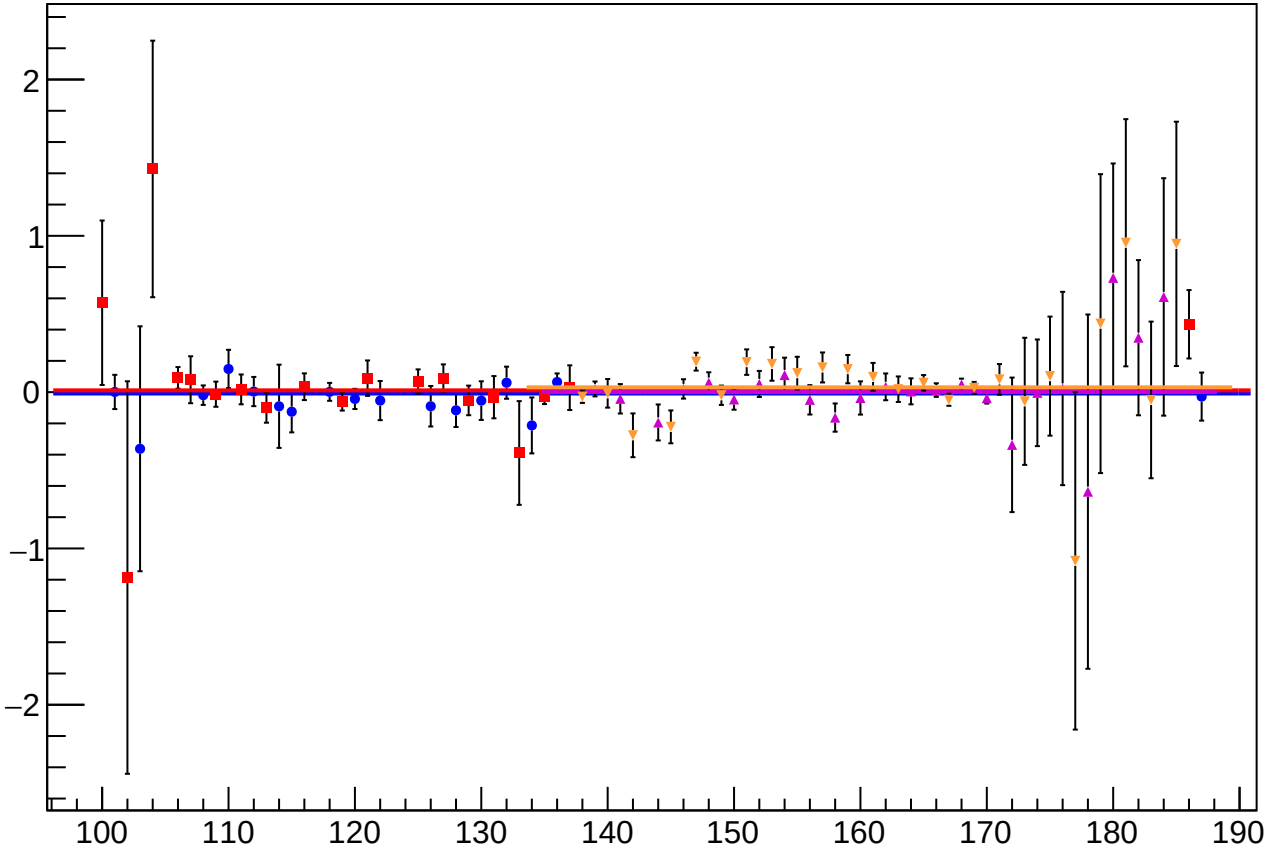
Right: 0.000+/-0.000 χ^2/NDF: 7529503.0/35

In: 0.000+/-0.000 χ^2/NDF:7020313.9/39

Out: 0.000+/-0.000 χ^2/NDF:6173135.6/42

All: 0.000+/-0.000 χ^2/NDF: 13209982.6/82

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

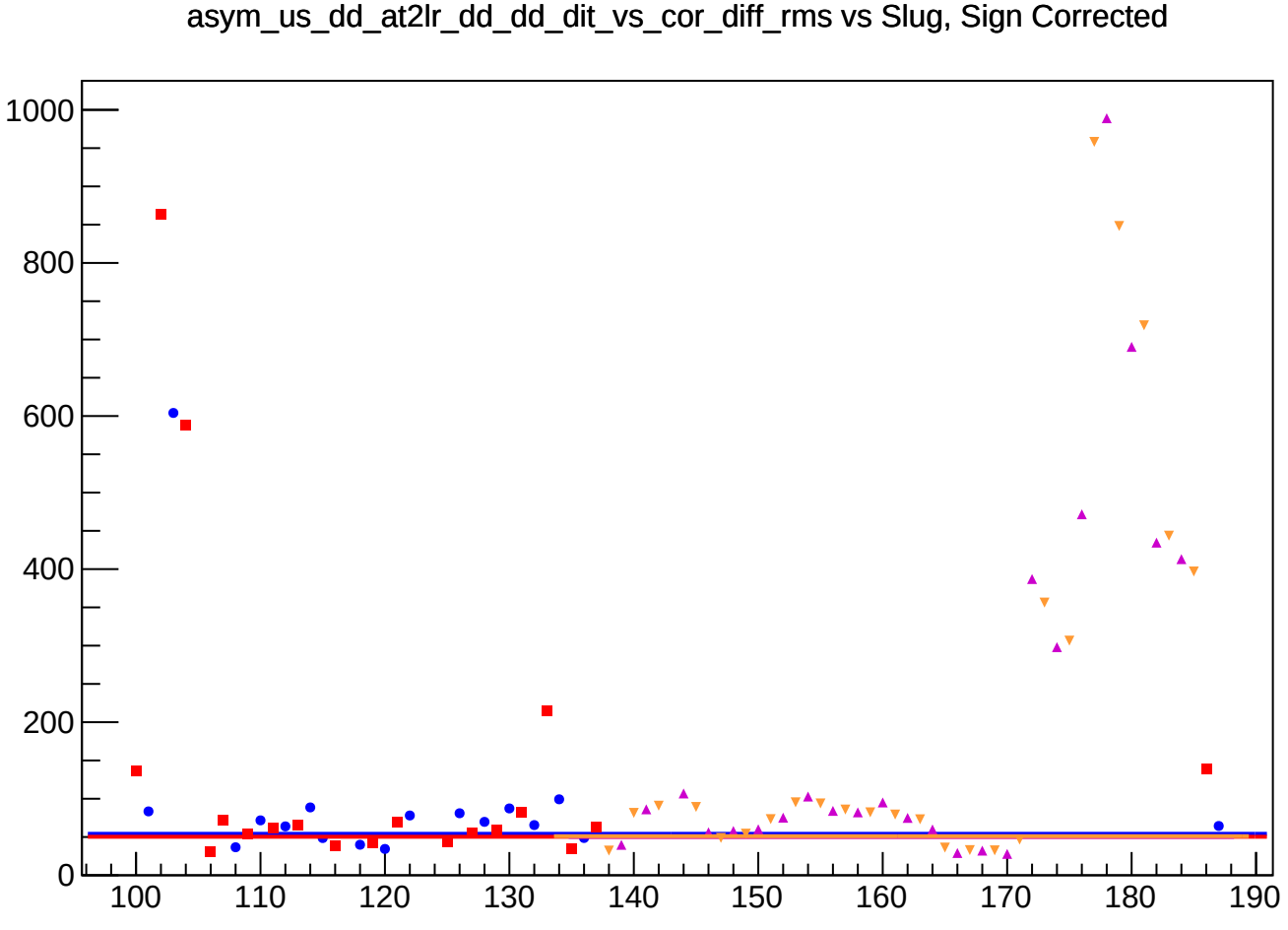
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.002+/-0.016 χ^2/NDF: 26.2/35

In: -0.002+/-0.013 χ^2/NDF:24.5/39

Out: 0.024+/-0.013 χ^2/NDF:59.5/42

All: 0.011+/-0.009 χ^2/NDF: 86.1/82



Right In: 54.158+/-0.016 χ^2/NDF: 2223468.6/16

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 50.328+/-0.016 χ^2/NDF: 3344889.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

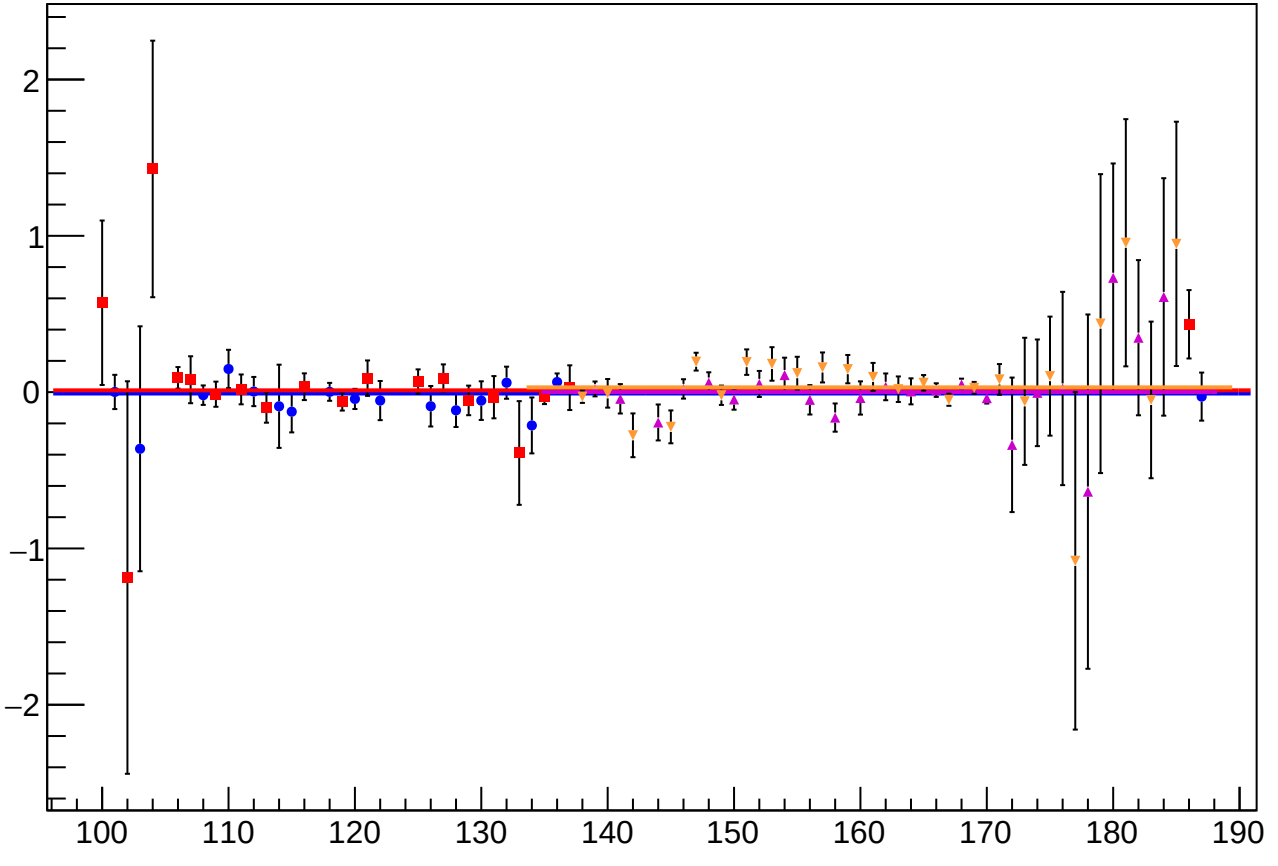
Right: 52.180+/-0.011 χ^2/NDF: 5597378.8/35

In: 51.456+/-0.009 χ^2/NDF:14459639.6/39

Out: 50.833+/-0.009 χ^2/NDF:15083083.2/42

All: 51.144+/-0.006 χ^2/NDF: 29545129.5/82

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

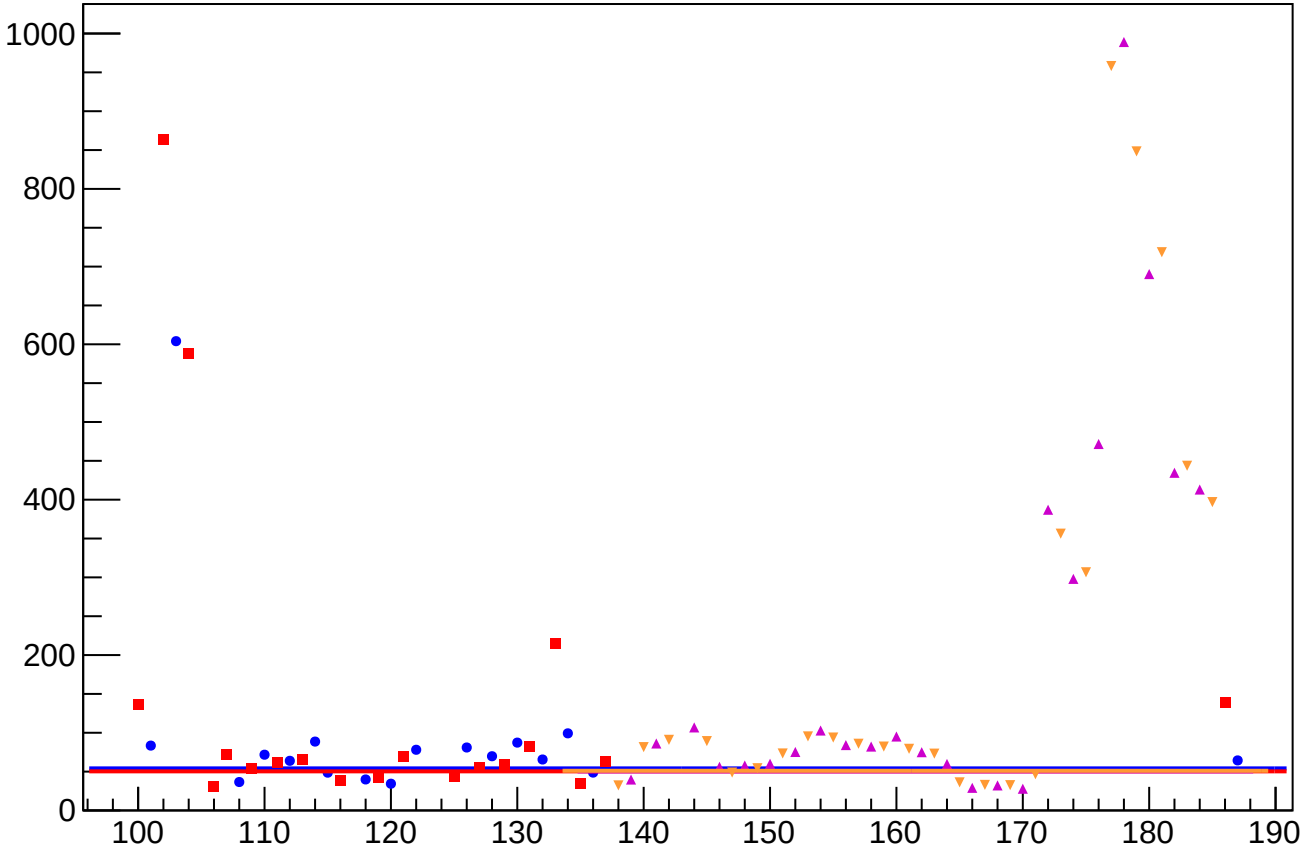
Right: 0.002+/-0.016 χ^2/NDF: 26.2/35

In: -0.002+/-0.013 χ^2/NDF:24.5/39

Out: 0.024+/-0.013 χ^2/NDF:59.5/42

All: 0.011+/-0.009 χ^2/NDF: 86.1/82

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.158+/-0.016 χ^2/NDF: 2223468.6/16

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 50.328+/-0.016 χ^2/NDF: 3344889.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

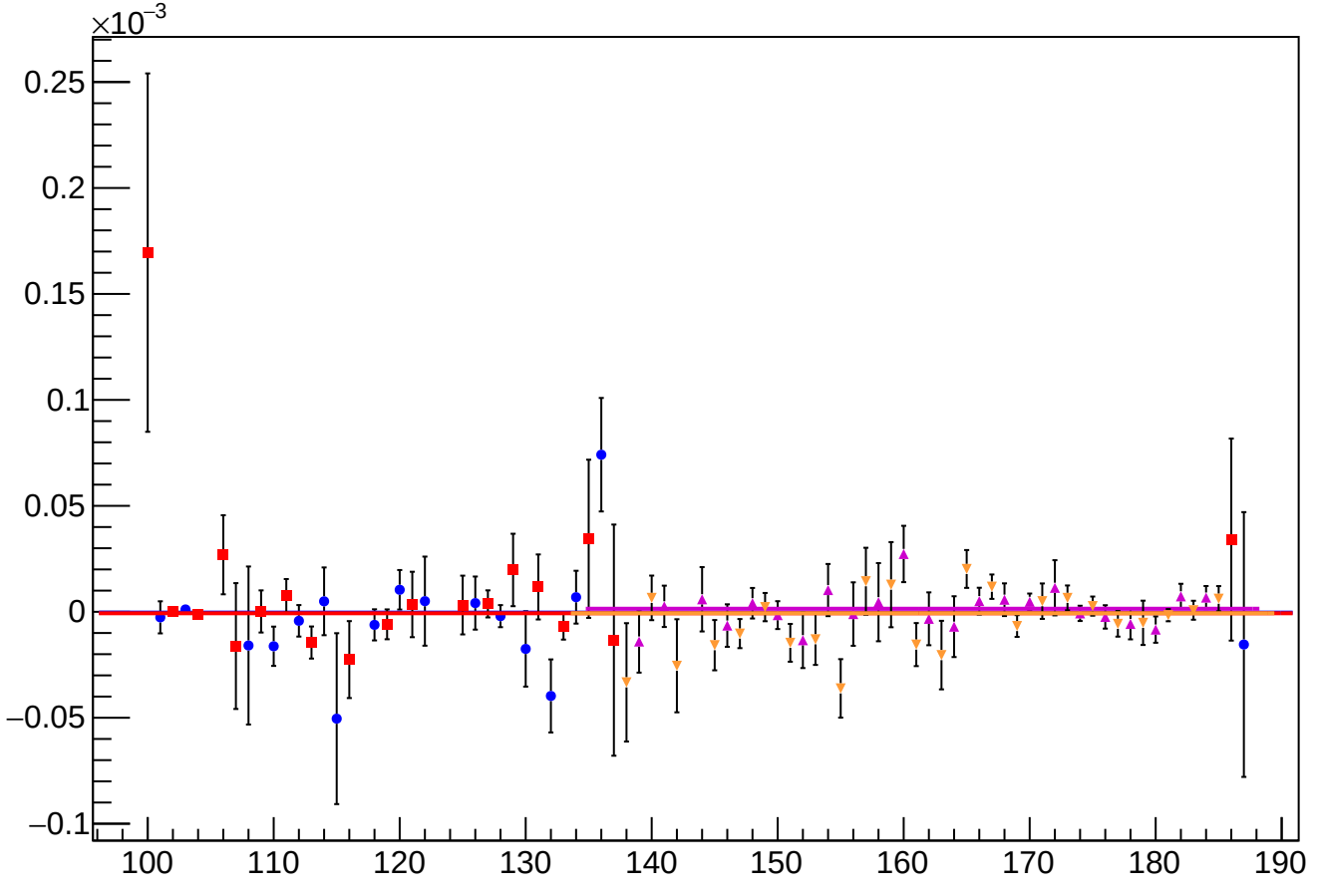
Right: 52.180+/-0.011 χ^2/NDF: 5597378.8/35

In: 51.456+/-0.009 χ^2/NDF:14459639.6/39

Out: 50.833+/-0.009 χ^2/NDF:15083083.2/42

All: 51.144+/-0.006 χ^2/NDF: 29545129.5/82

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: 22.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

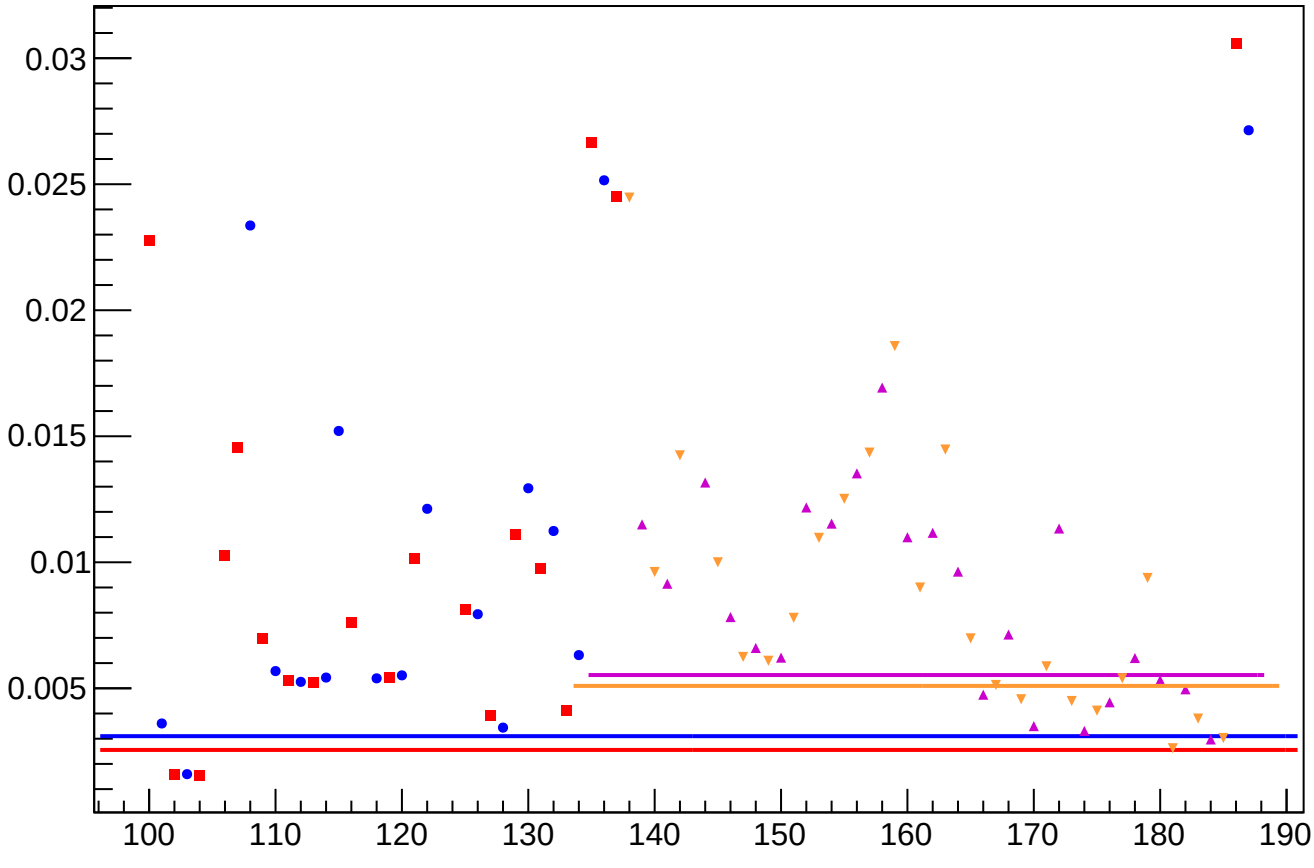
Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

Right: -0.000+/-0.000 χ^2/NDF: 40.6/35

In: 0.000+/-0.000 χ^2/NDF:39.3/39

Out: -0.000+/-0.000 χ^2/NDF:56.8/42

All: -0.000+/-0.000 χ^2/NDF: 96.9/82



Right In: 0.003+/-0.000 χ^2/NDF: 6075424.9/16

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6929045.6/18

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

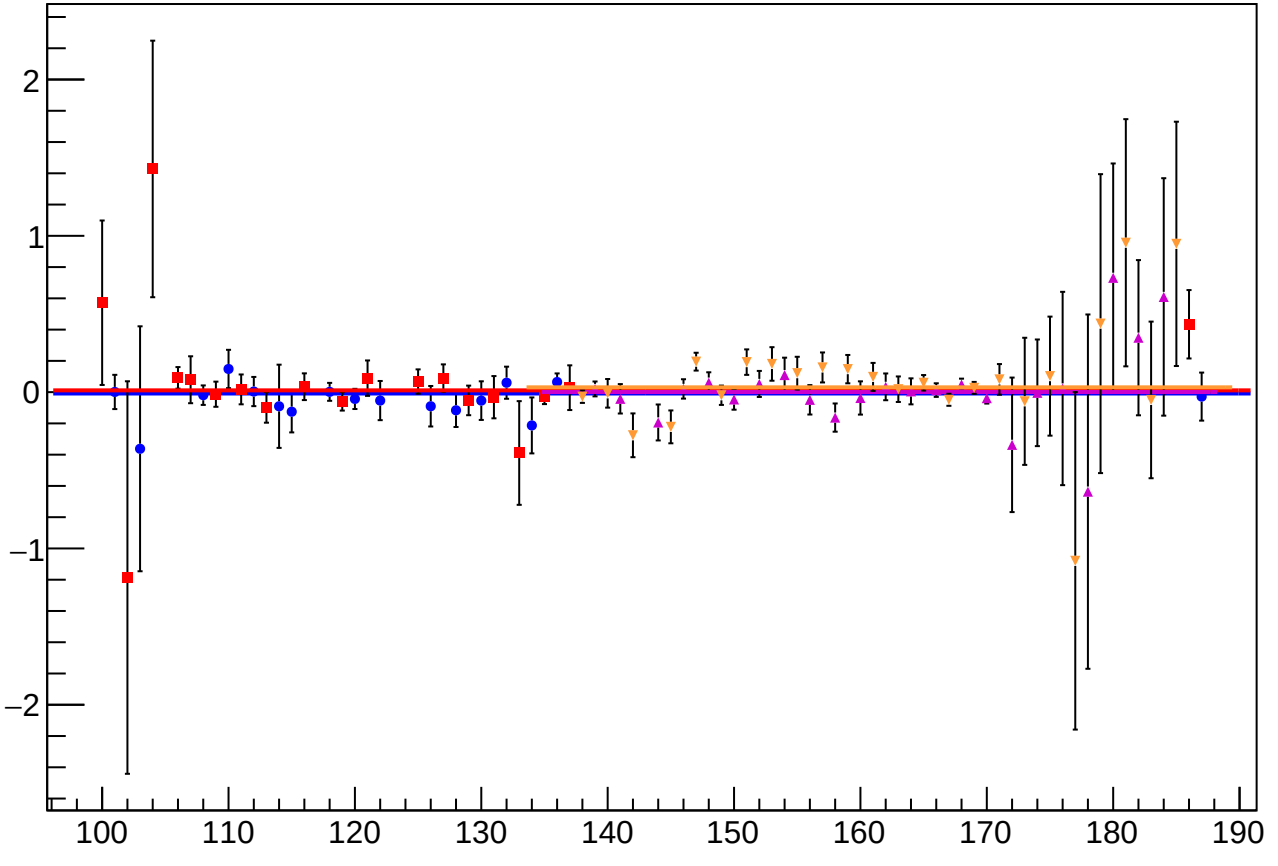
Right: 0.003+/-0.000 χ^2/NDF: 13145631.6/35

In: 0.004+/-0.000 χ^2/NDF:15367107.5/39

Out: 0.004+/-0.000 χ^2/NDF:18950671.0/42

All: 0.004+/-0.000 χ^2/NDF: 34774064.3/82

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

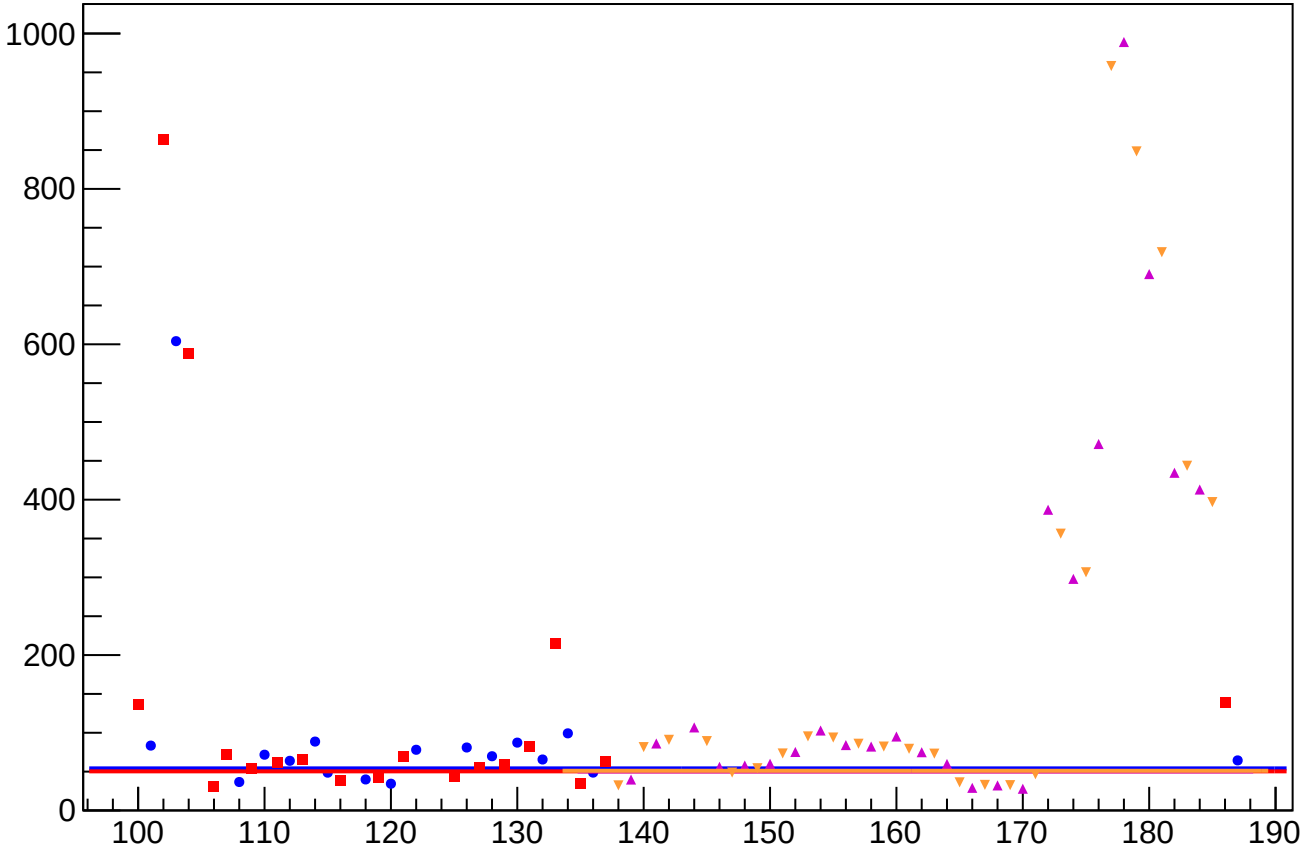
Right: 0.002+/-0.016 χ^2/NDF: 26.2/35

In: -0.002+/-0.013 χ^2/NDF:24.5/39

Out: 0.024+/-0.013 χ^2/NDF:59.5/42

All: 0.011+/-0.009 χ^2/NDF: 86.1/82

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.161+/-0.016 χ^2/NDF: 2223069.8/16

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 50.330+/-0.016 χ^2/NDF: 3344613.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

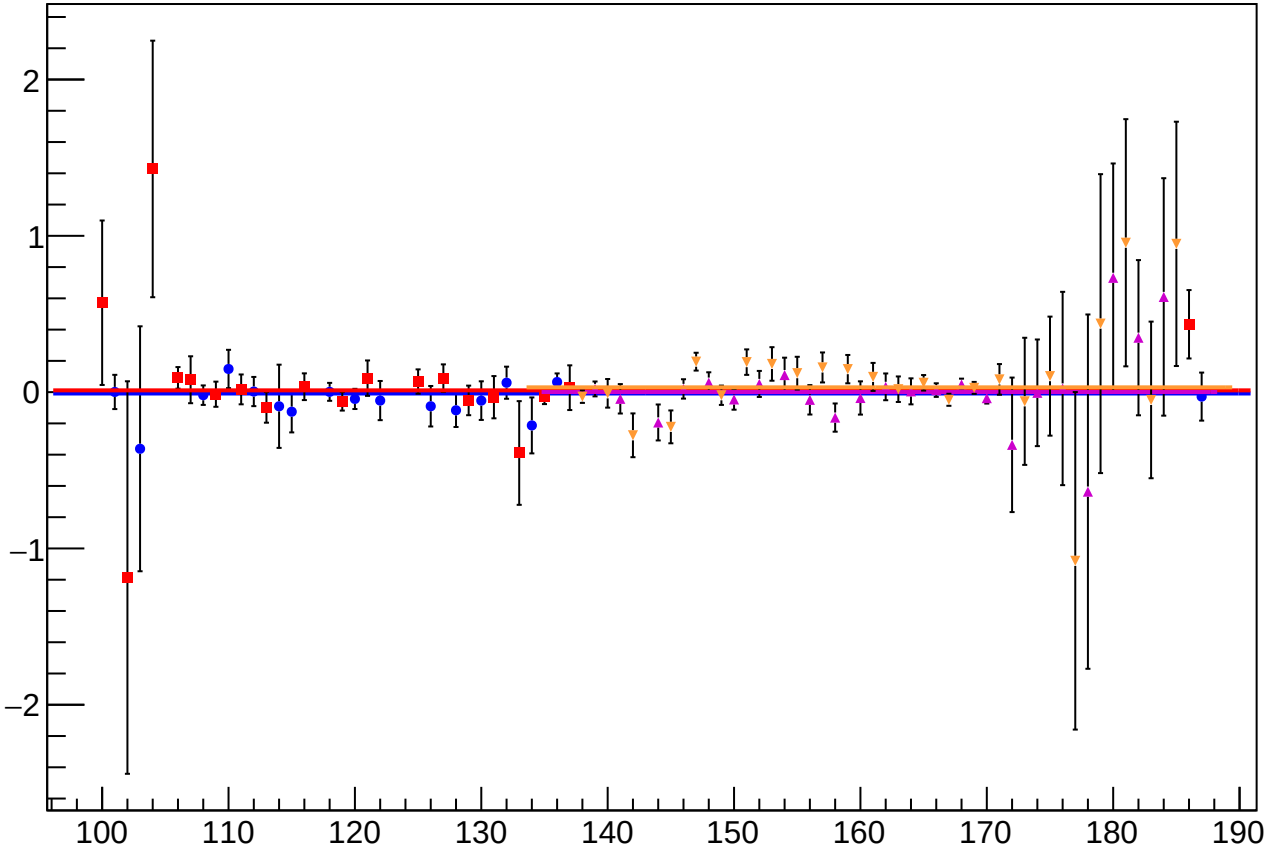
Right: 52.183+/-0.011 χ^2/NDF: 5596721.4/35

In: 51.457+/-0.009 χ^2/NDF:14459248.3/39

Out: 50.836+/-0.009 χ^2/NDF:15081977.5/42

All: 51.146+/-0.006 χ^2/NDF: 29543622.1/82

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

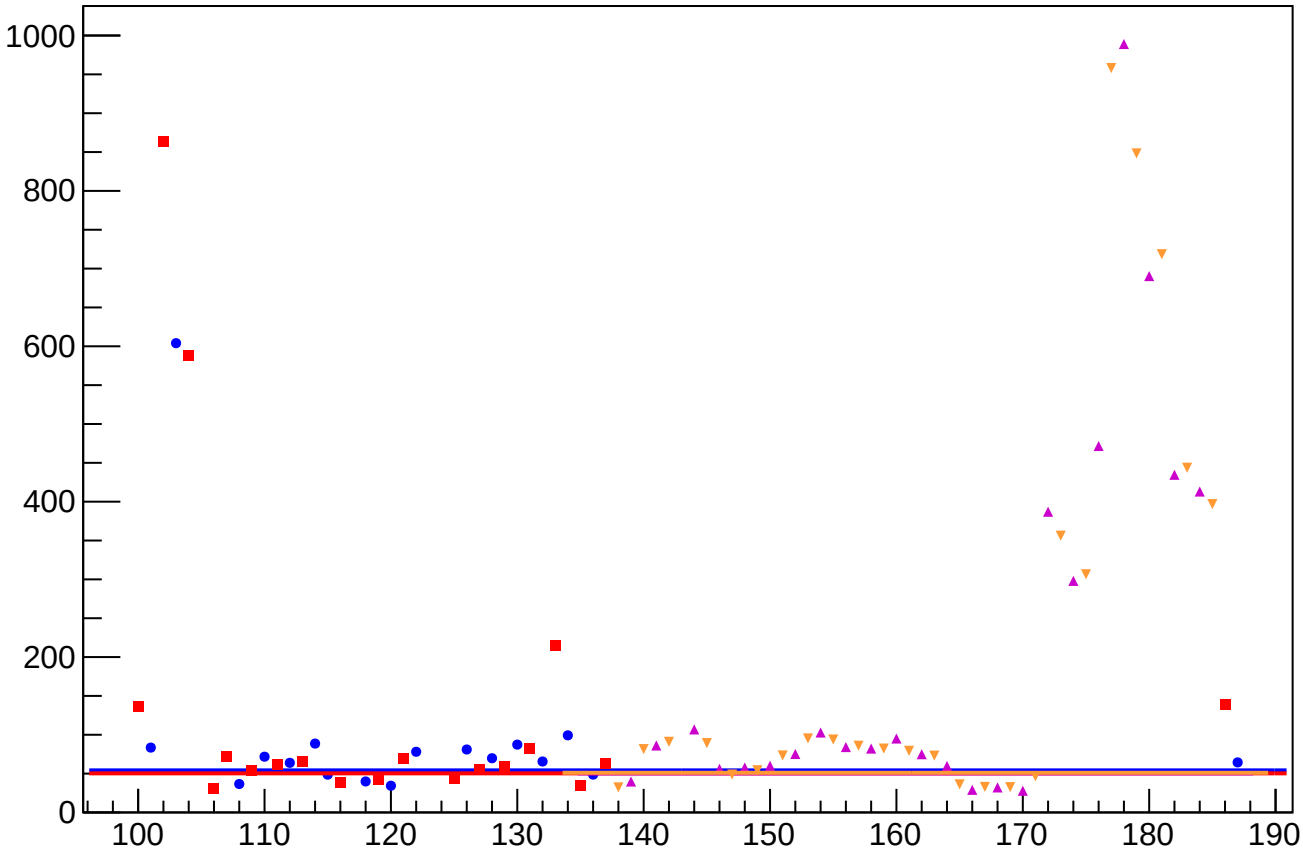
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.002+/-0.016 χ^2/NDF: 26.2/35

In: -0.002+/-0.013 χ^2/NDF:24.5/39

Out: 0.024+/-0.013 χ^2/NDF:59.5/42

All: 0.011+/-0.009 χ^2/NDF: 86.1/82



Right In: 54.161+/-0.016 χ^2/NDF: 2223069.8/16

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 50.330+/-0.016 χ^2/NDF: 3344613.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

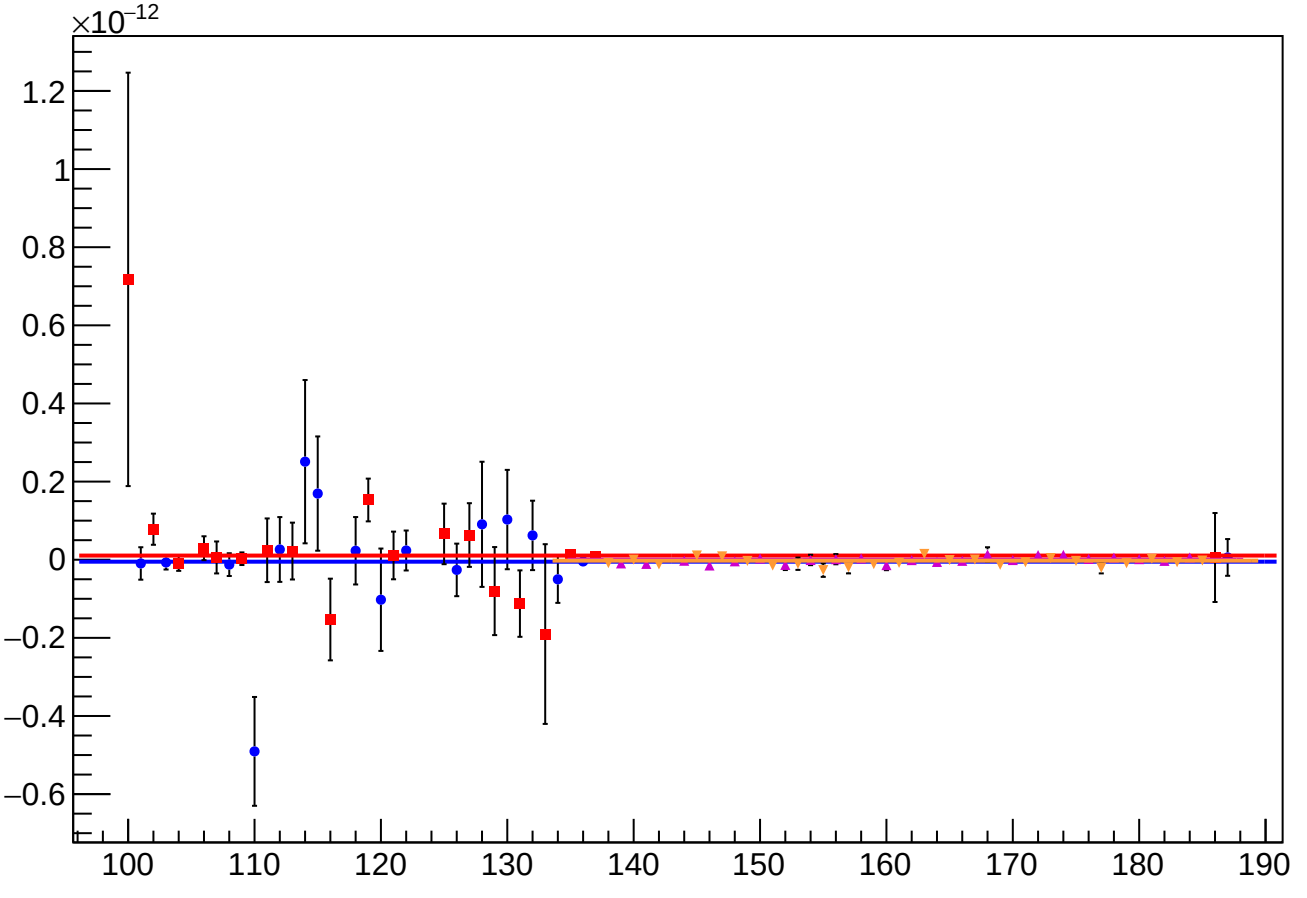
Right: 52.183+/-0.011 χ^2/NDF: 5596721.4/35

In: 51.457+/-0.009 χ^2/NDF:14459248.3/39

Out: 50.836+/-0.009 χ^2/NDF:15081977.5/42

All: 51.146+/-0.006 χ^2/NDF: 29543622.1/82

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

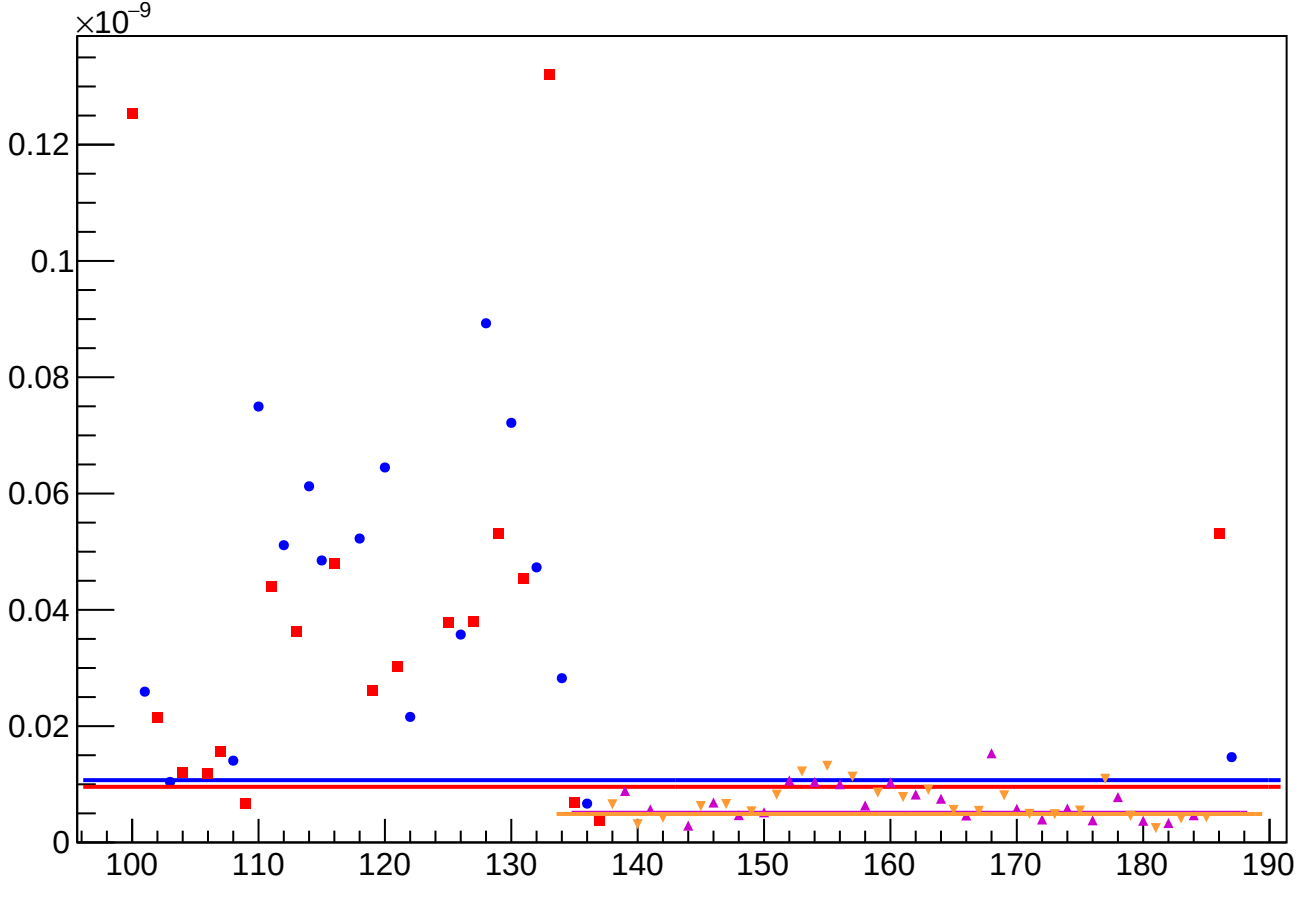
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 41.5/35

In: -0.000+/-0.000 χ^2/NDF:37.3/39

Out: -0.000+/-0.000 χ^2/NDF:46.1/42

All: -0.000+/-0.000 χ^2/NDF: 83.8/82



Right In: 0.000+/-0.000 χ^2/NDF: 4571771.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4322554.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

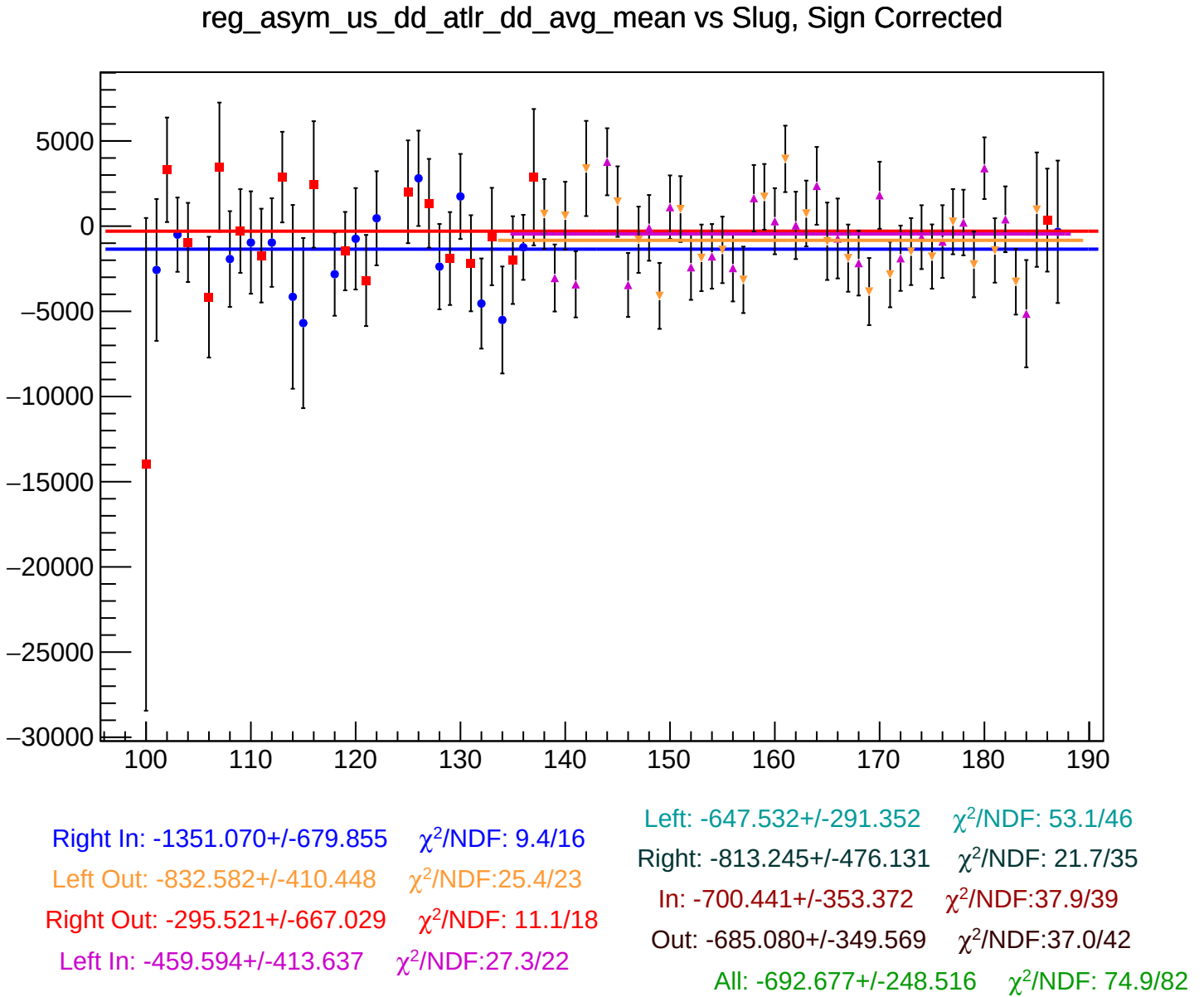
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

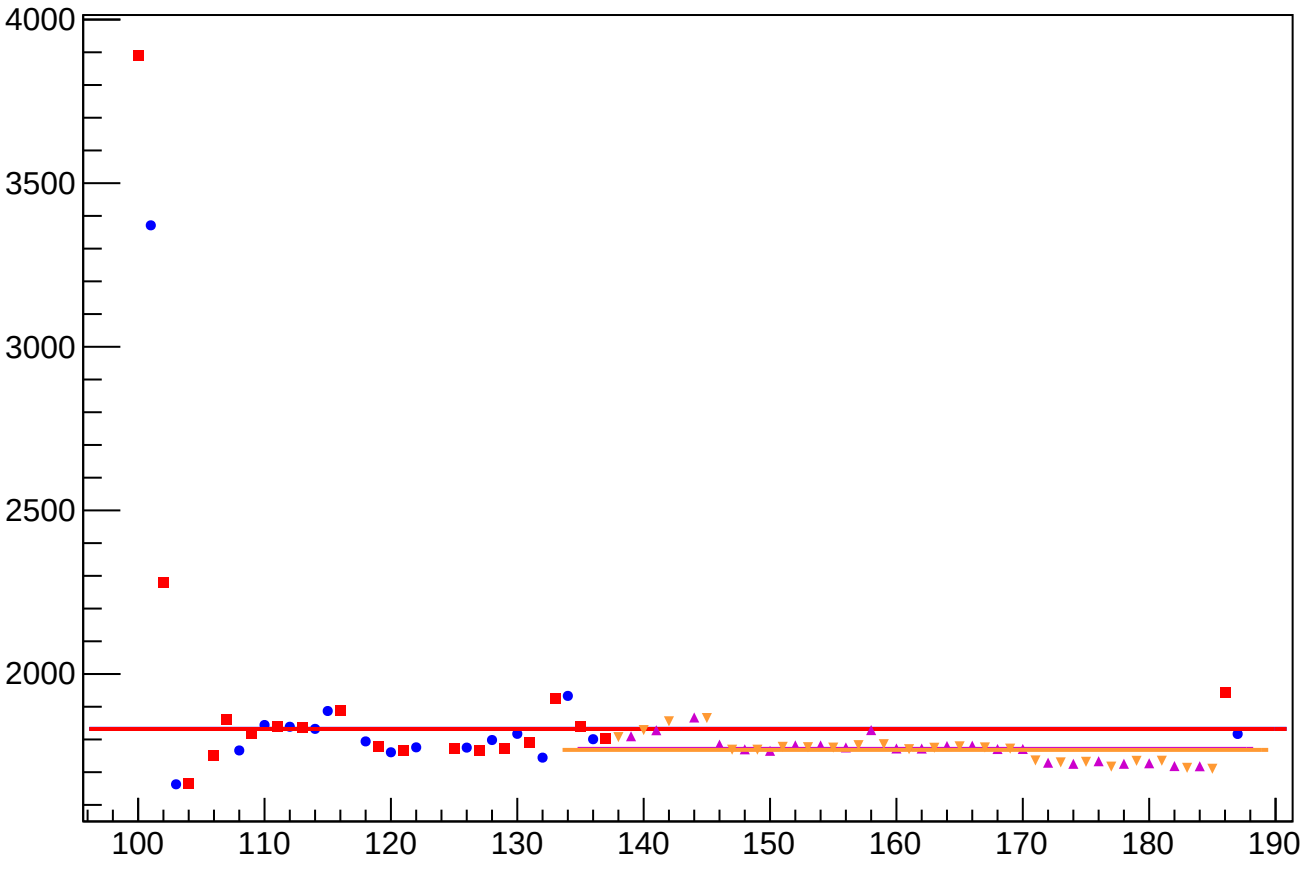
Right: 0.000+/-0.000 χ^2/NDF: 8924560.4/35

In: 0.000+/-0.000 χ^2/NDF:9653461.2/39

Out: 0.000+/-0.000 χ^2/NDF:9628313.9/42

All: 0.000+/-0.000 χ^2/NDF: 19309574.7/82


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1351.070+/-679.855 χ²/NDF: 9.4/16
Left Out: -832.582+/-410.448 χ²/NDF:25.4/23
Right Out: -295.521+/-667.029 χ²/NDF: 11.1/18
Left In: -459.594+/-413.637 χ²/NDF:27.3/22
Left: -647.532+/-291.352 χ²/NDF: 53.1/46
Right: -813.245+/-476.131 χ²/NDF: 21.7/35
In: -700.441+/-353.372 χ²/NDF:37.9/39
Out: -685.080+/-349.569 χ²/NDF:37.0/42
All: -692.677+/-248.516 χ²/NDF: 74.9/82



Right In: 1832.520+/-0.481 χ^2/NDF: 295468.4/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1831.969+/-0.472 χ^2/NDF: 105921.7/18

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

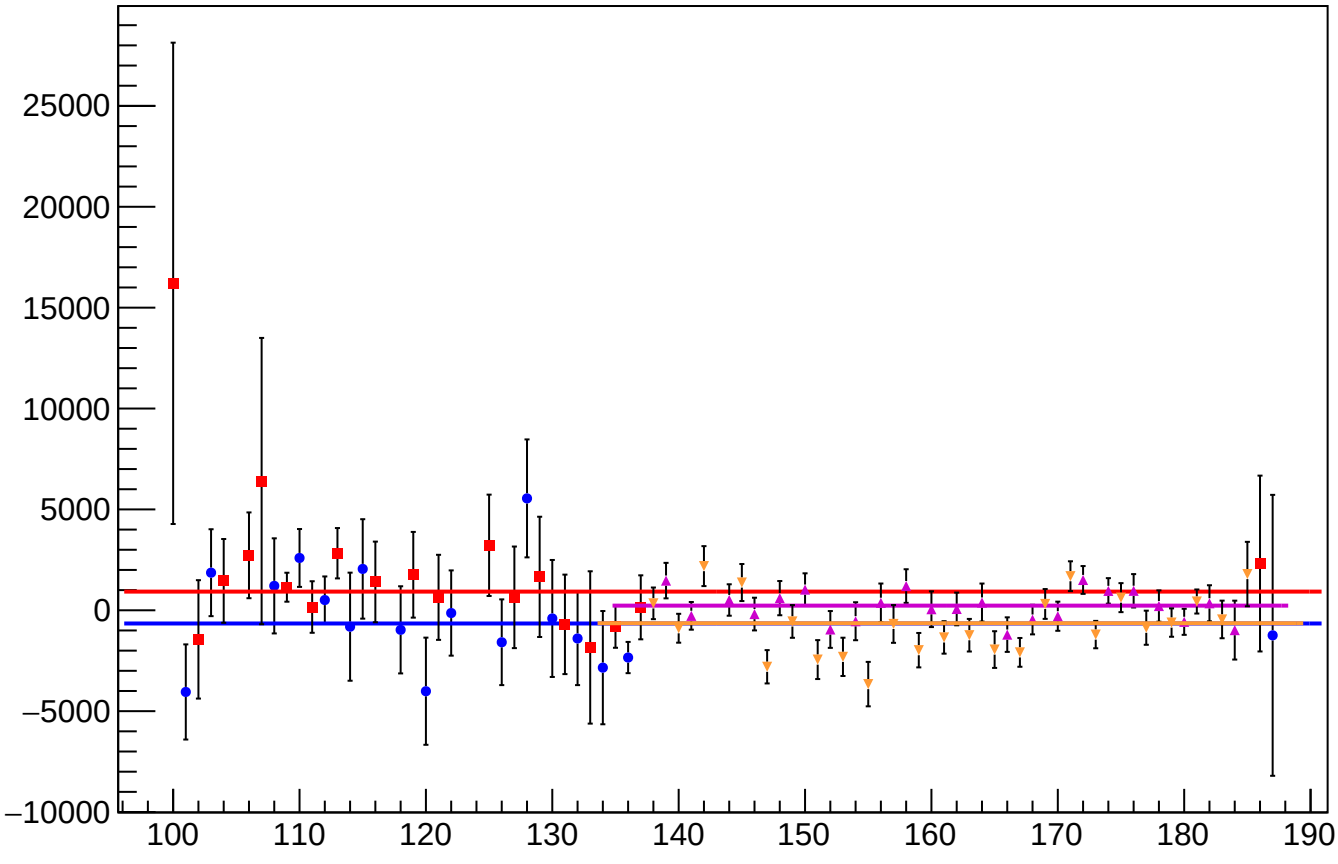
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1832.239+/-0.337 χ^2/NDF: 401390.8/35

In: 1787.779+/-0.250 χ^2/NDF:323762.0/39

Out: 1785.660+/-0.247 χ^2/NDF:135570.1/42

All: 1786.708+/-0.176 χ^2/NDF: 459368.5/82



Right In: -654.311+/-441.246 χ^2/NDF: 23.2/16

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 926.054+/-391.827 χ^2/NDF: 11.6/18

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

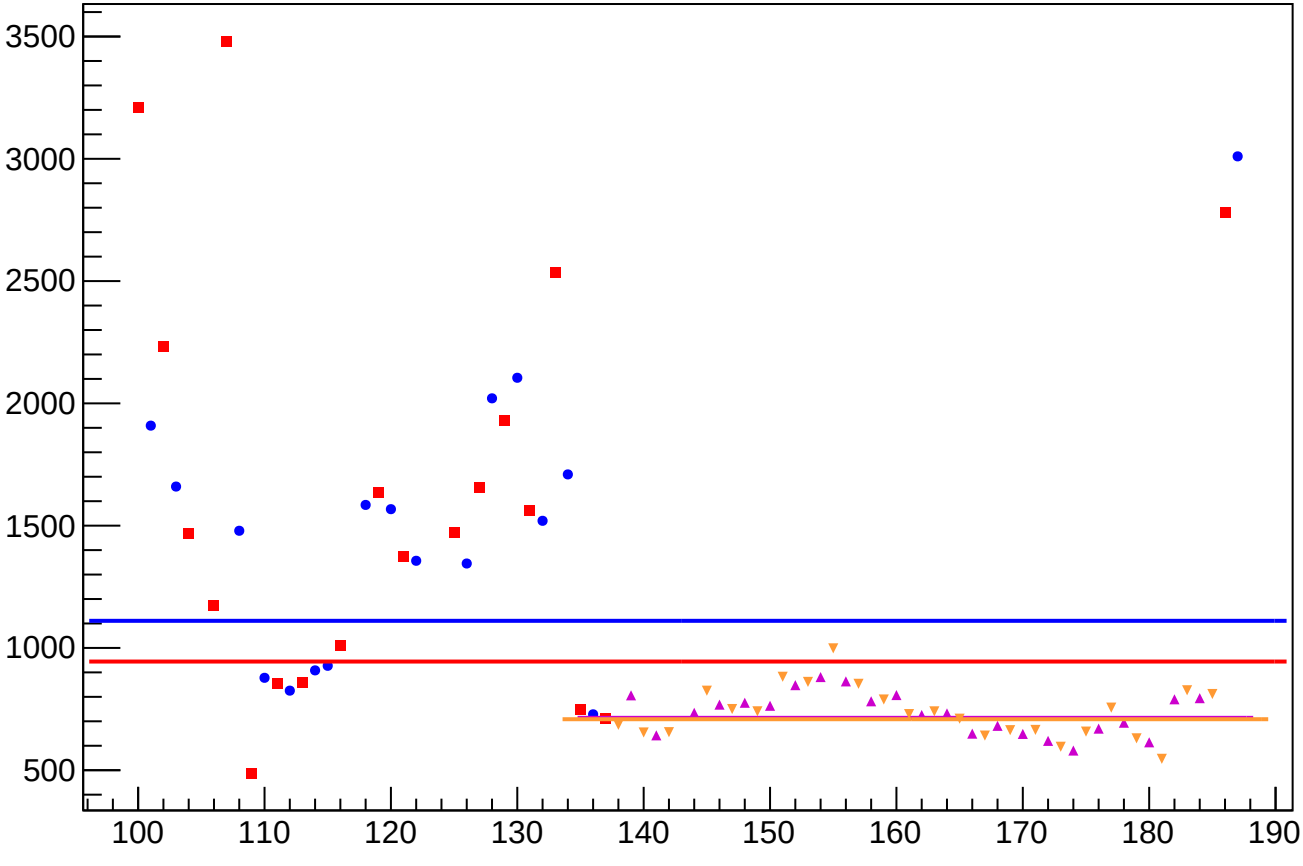
Right: 229.291+/-292.984 χ^2/NDF: 42.0/35

In: 118.236+/-157.265 χ^2/NDF:46.7/39

Out: -401.468+/-153.199 χ^2/NDF:91.9/42

All: -148.422+/-109.738 χ^2/NDF: 144.2/82

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1110.842+/-0.312 χ^2/NDF: 2027582.9/16

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 944.330+/-0.277 χ^2/NDF: 3412413.5/18

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

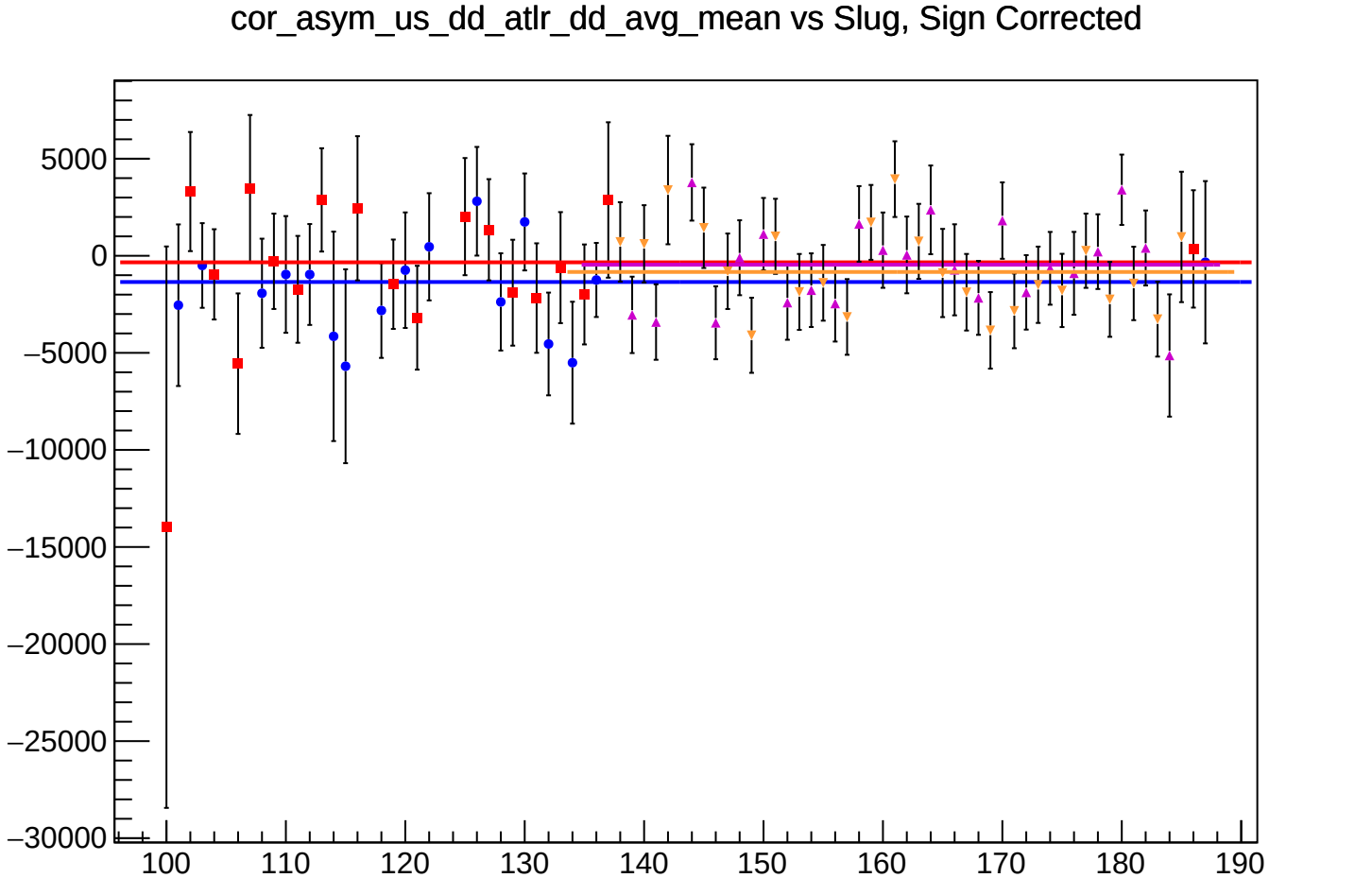
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1017.743+/-0.207 χ^2/NDF: 5599237.9/35

In: 764.552+/-0.111 χ^2/NDF:3935897.9/39

Out: 744.554+/-0.108 χ^2/NDF:4726620.5/42

All: 754.291+/-0.078 χ^2/NDF: 8679112.4/82



Right In: -1350.486+/-679.856 χ^2/NDF: 9.4/16

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -337.112+/-667.512 χ^2/NDF: 12.0/18

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

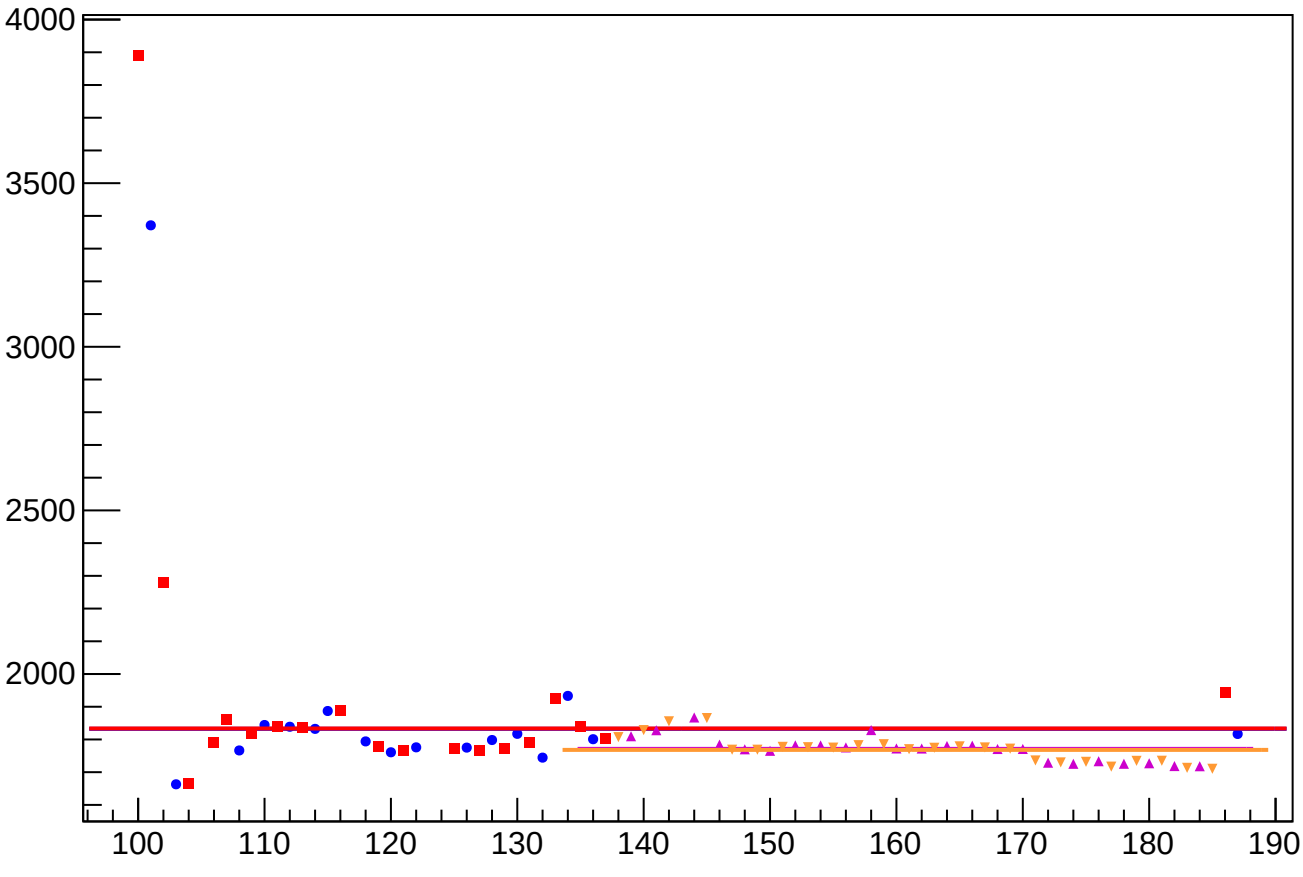
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -834.516+/-476.307 χ^2/NDF: 22.5/35

In: -700.253+/-353.372 χ^2/NDF:37.9/39

Out: -696.568+/-349.638 χ^2/NDF:37.8/42

All: -698.391+/-248.541 χ^2/NDF: 75.7/82



Right In: 1832.520+/-0.481 χ^2/NDF: 295470.3/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1833.478+/-0.472 χ^2/NDF: 105108.0/18

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

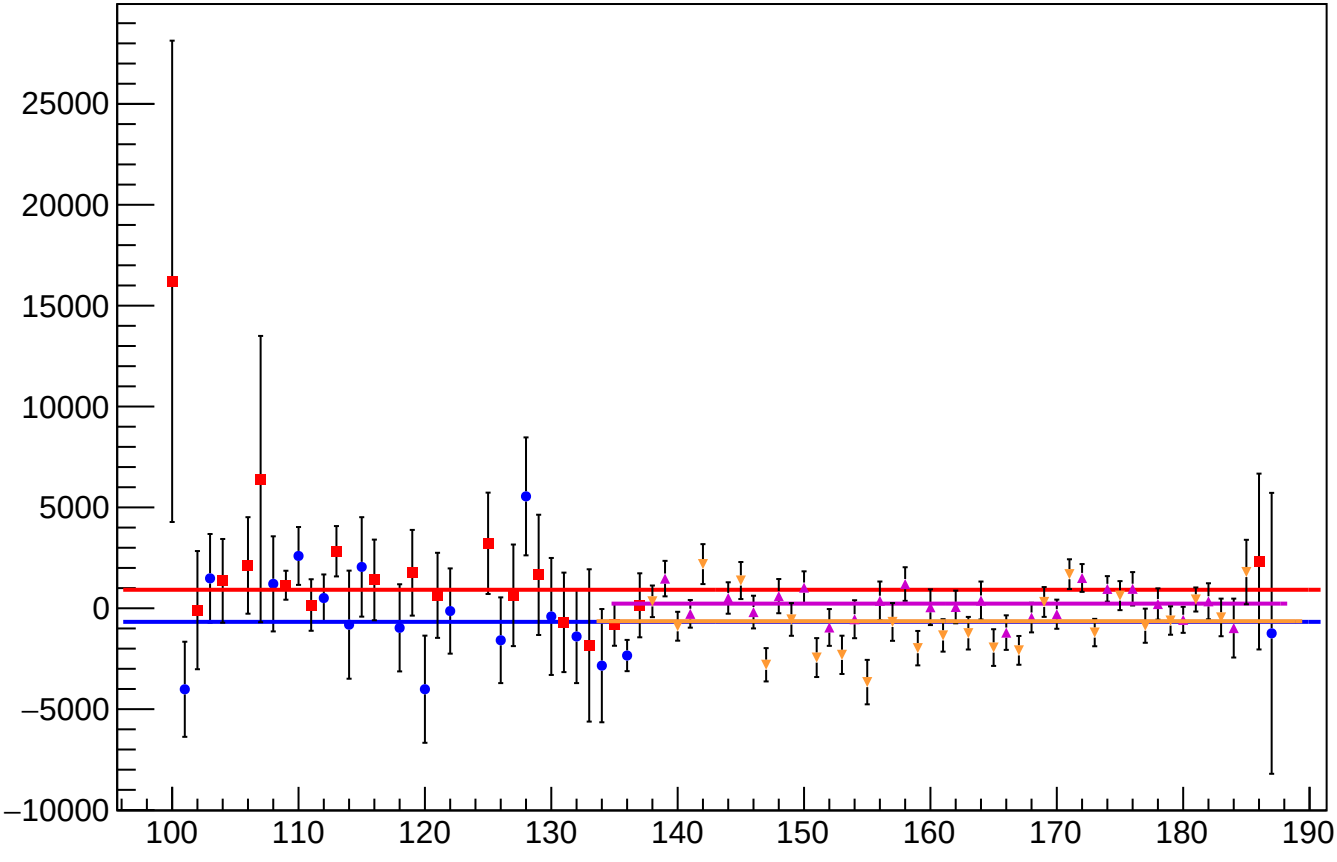
Right: 1833.007+/-0.337 χ^2/NDF: 400580.3/35

In: 1787.779+/-0.250 χ^2/NDF:323763.9/39

Out: 1786.056+/-0.247 χ^2/NDF:135377.3/42

All: 1786.908+/-0.176 χ^2/NDF: 459165.2/82

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -672.837+/-441.614 χ^2/NDF: 22.8/16

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 917.363+/-393.204 χ^2/NDF: 10.6/18

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

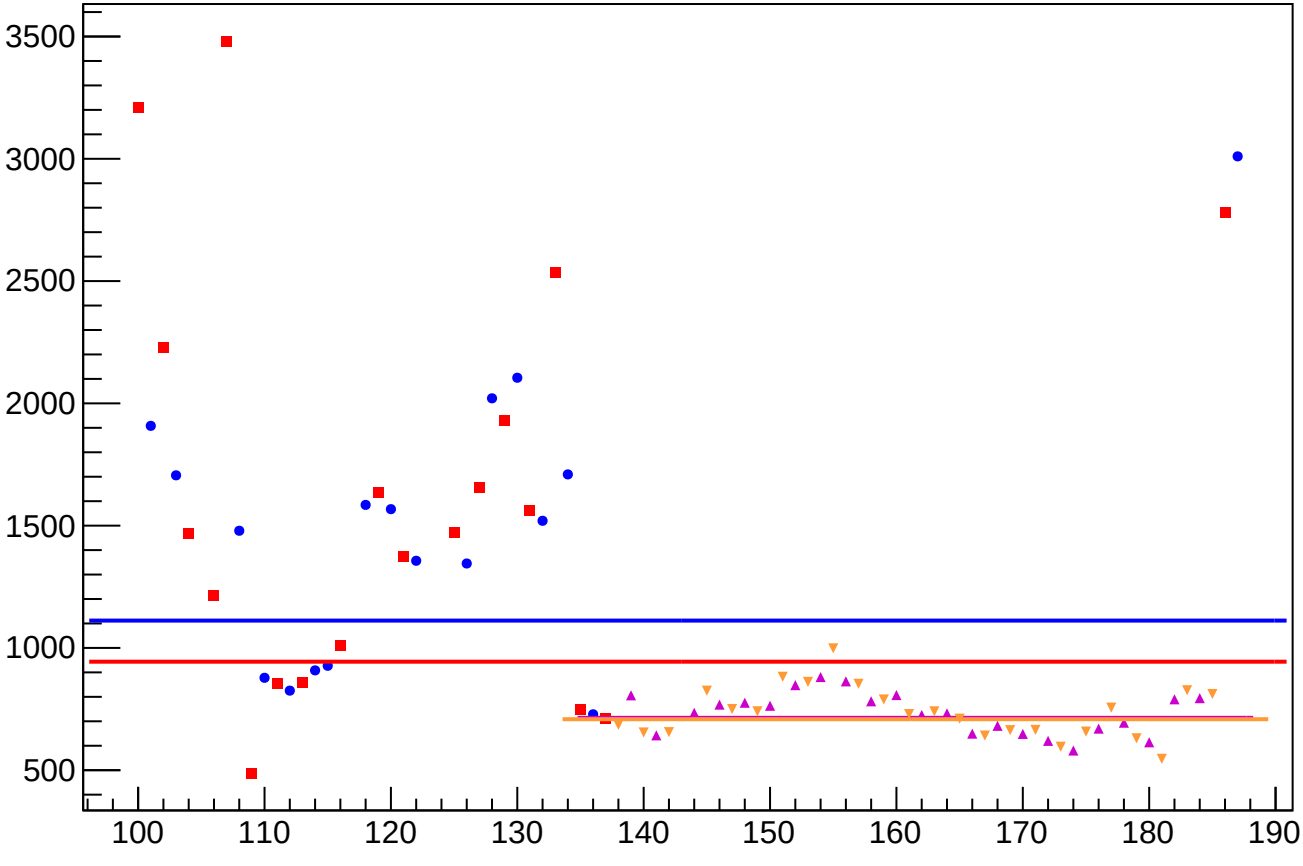
Right: 214.169+/-293.667 χ^2/NDF: 40.6/35

In: 115.978+/-157.283 χ^2/NDF:46.4/39

Out: -404.185+/-153.282 χ^2/NDF:90.6/42

All: -150.804+/-109.774 χ^2/NDF: 142.6/82

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1111.770+/-0.312 χ^2/NDF: 2043742.6/16

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 943.714+/-0.278 χ^2/NDF: 3412967.9/18

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

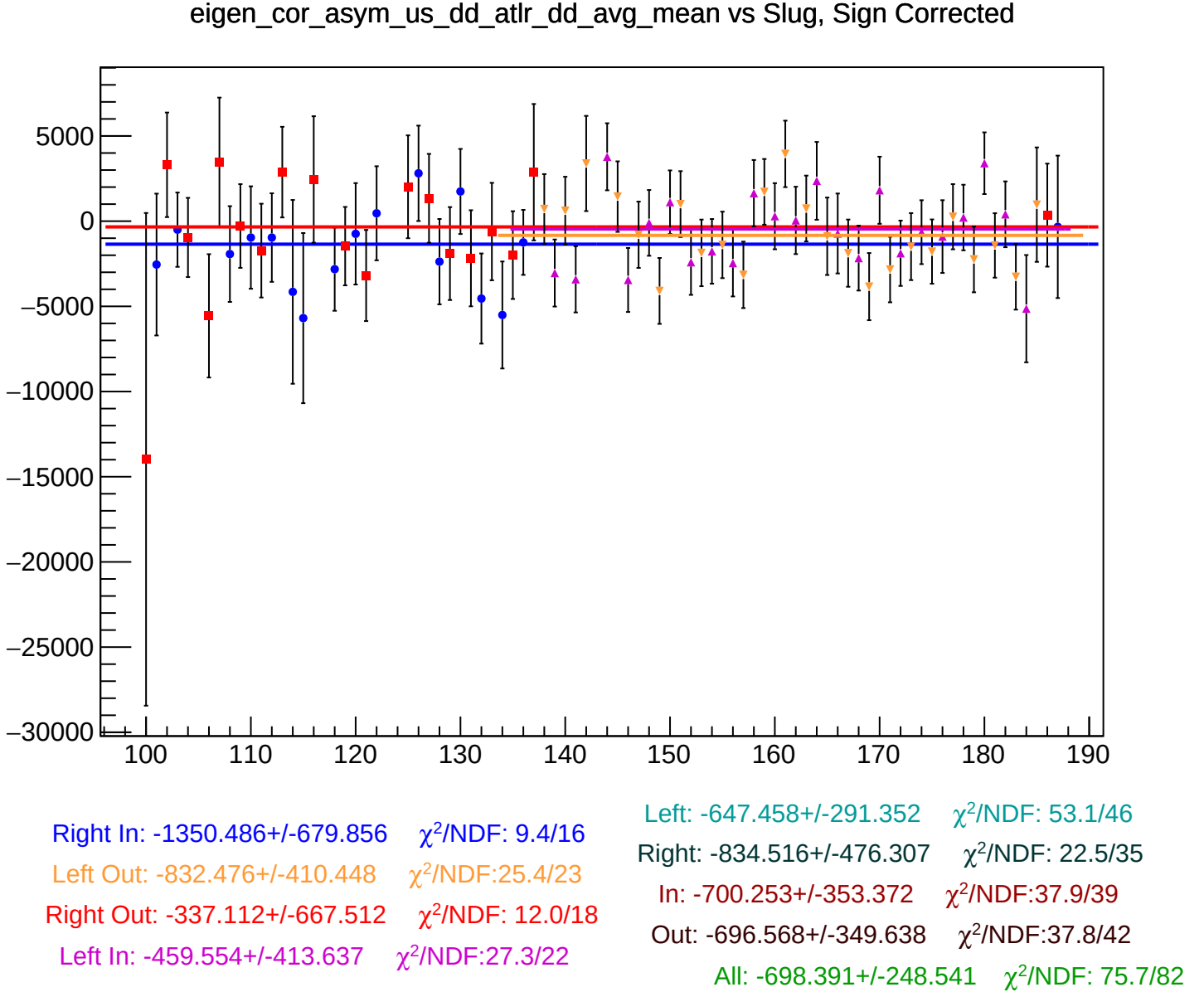
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

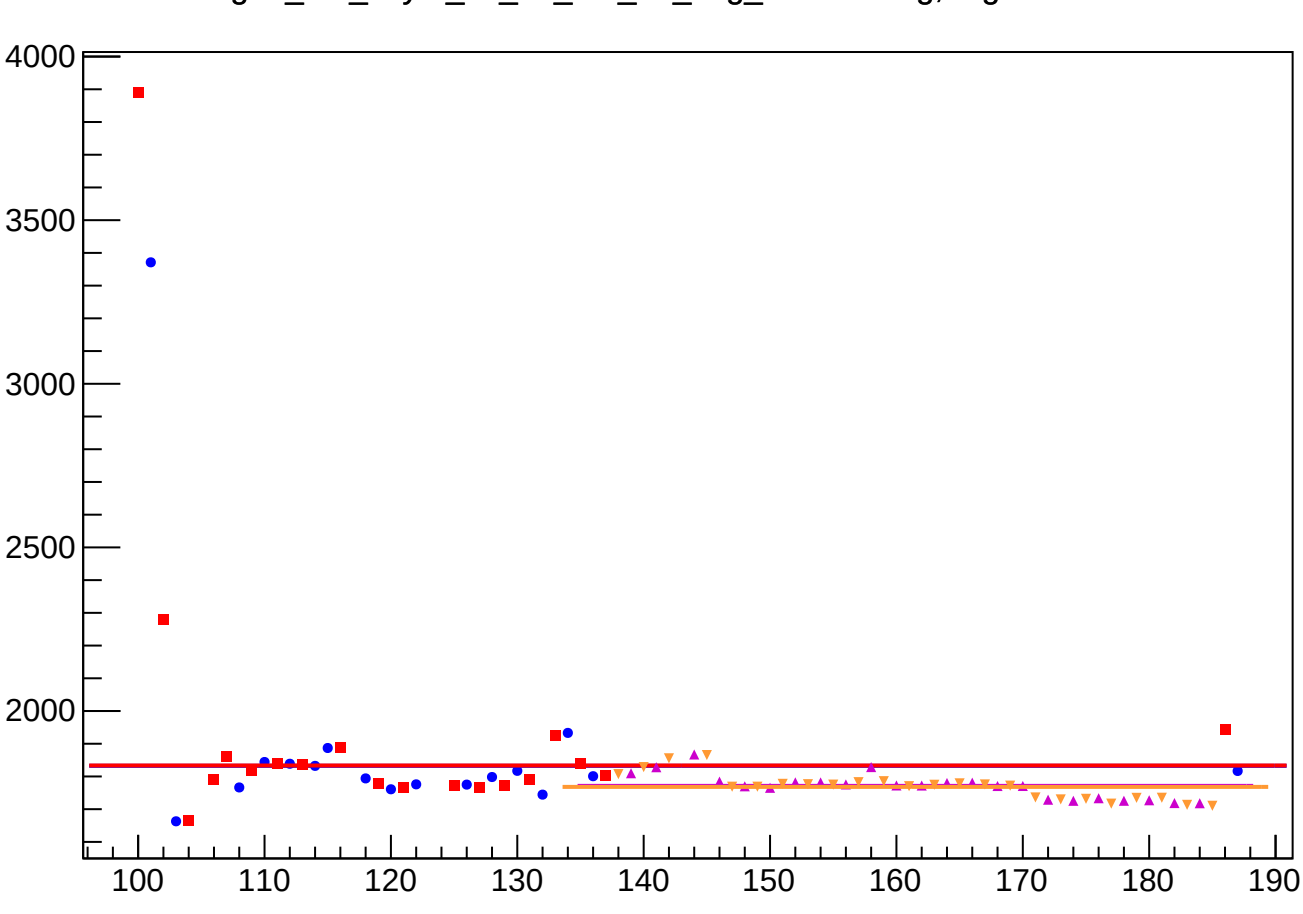
Right: 1018.029+/-0.208 χ^2/NDF: 5618268.4/35

In: 764.602+/-0.111 χ^2/NDF:3956567.9/39

Out: 744.252+/-0.108 χ^2/NDF:4720297.5/42

All: 754.165+/-0.078 χ^2/NDF: 8694038.3/82


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
170
180
190
Right In: -1350.486+/-679.856 χ²/NDF: 9.4/16
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: -337.112+/-667.512 χ²/NDF: 12.0/18
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -834.516+/-476.307 χ²/NDF: 22.5/35
In: -700.253+/-353.372 χ²/NDF:37.9/39
Out: -696.568+/-349.638 χ²/NDF:37.8/42
All: -698.391+/-248.541 χ²/NDF: 75.7/82



Right In: 1832.520+/-0.481 χ^2/NDF: 295470.3/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1833.478+/-0.472 χ^2/NDF: 105108.0/18

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

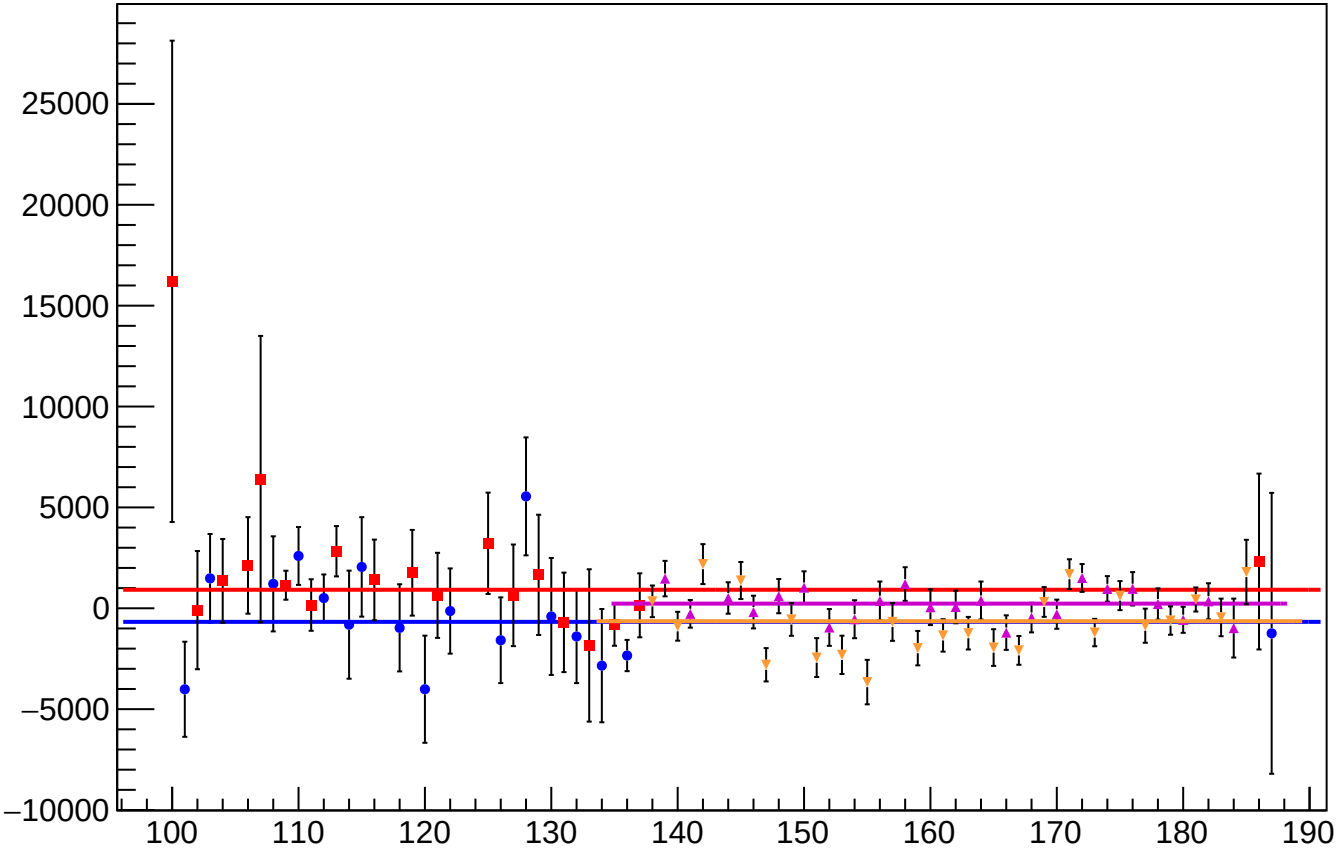
Right: 1833.007+/-0.337 χ^2/NDF: 400580.3/35

In: 1787.779+/-0.250 χ^2/NDF:323763.9/39

Out: 1786.056+/-0.247 χ^2/NDF:135377.3/42

All: 1786.908+/-0.176 χ^2/NDF: 459165.2/82

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -672.837+/-441.614 χ^2/NDF: 22.8/16

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 917.363+/-393.204 χ^2/NDF: 10.6/18

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

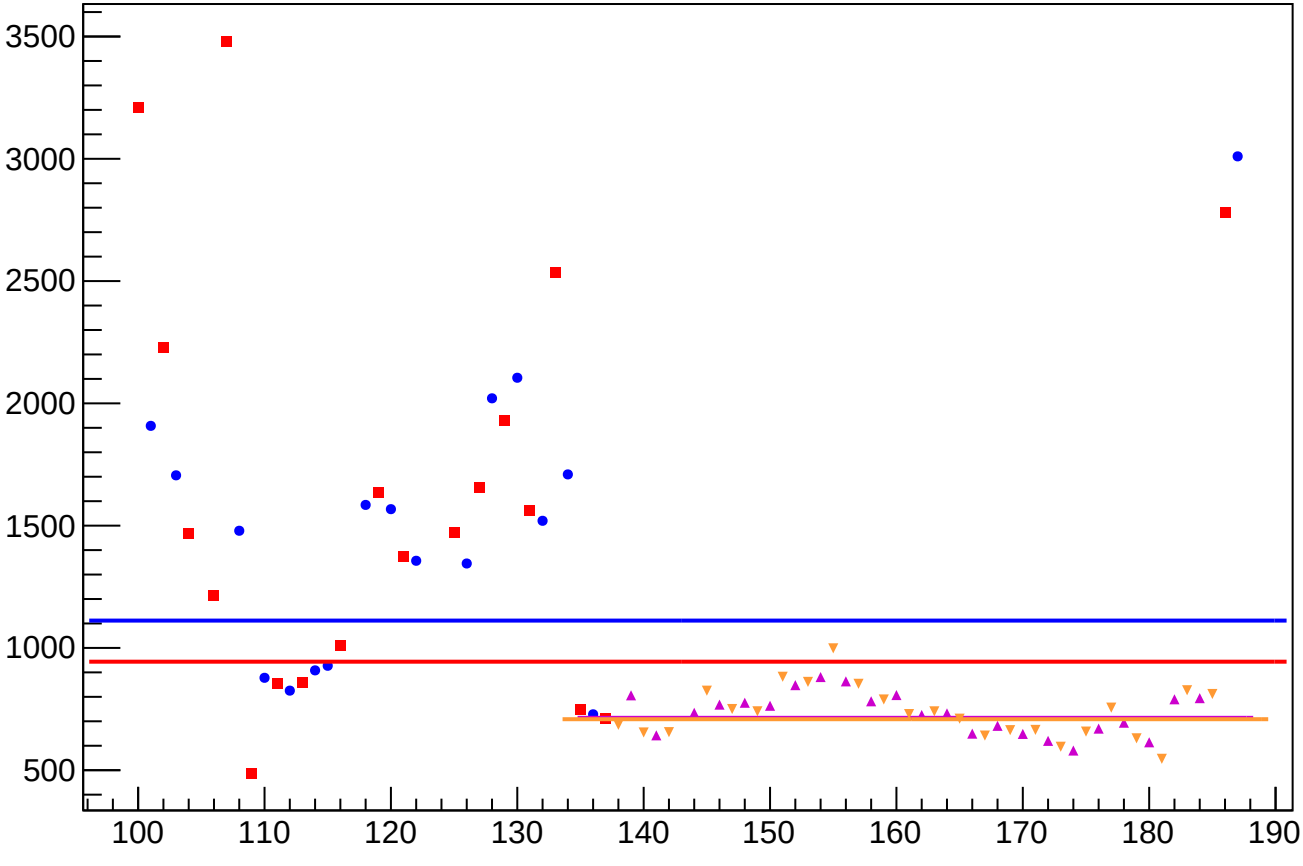
Right: 214.169+/-293.667 χ^2/NDF: 40.6/35

In: 115.978+/-157.283 χ^2/NDF:46.4/39

Out: -404.185+/-153.282 χ^2/NDF:90.6/42

All: -150.804+/-109.774 χ^2/NDF: 142.6/82

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1111.770+/-0.312 χ^2/NDF: 2043742.6/16

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 943.714+/-0.278 χ^2/NDF: 3412967.9/18

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

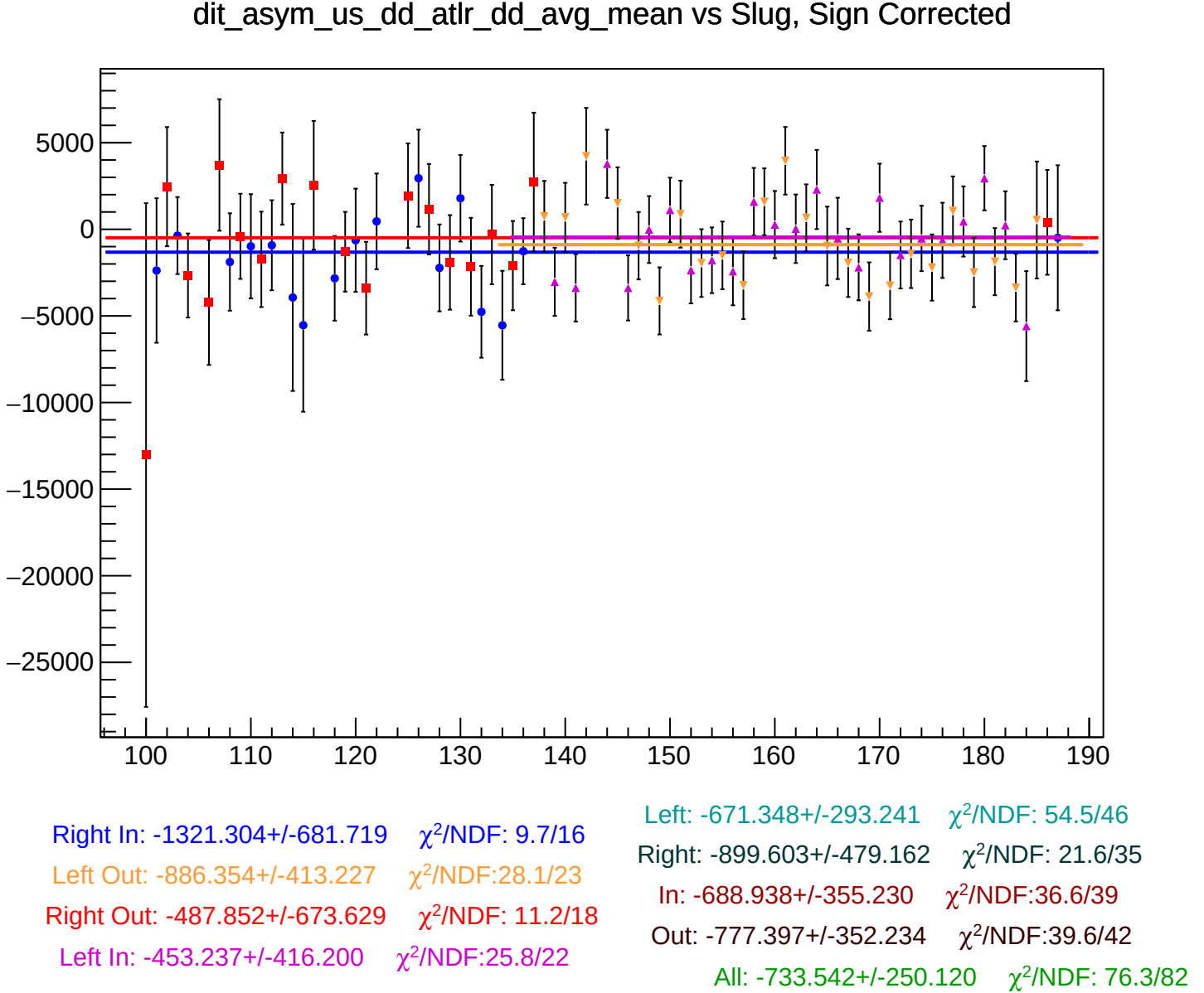
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

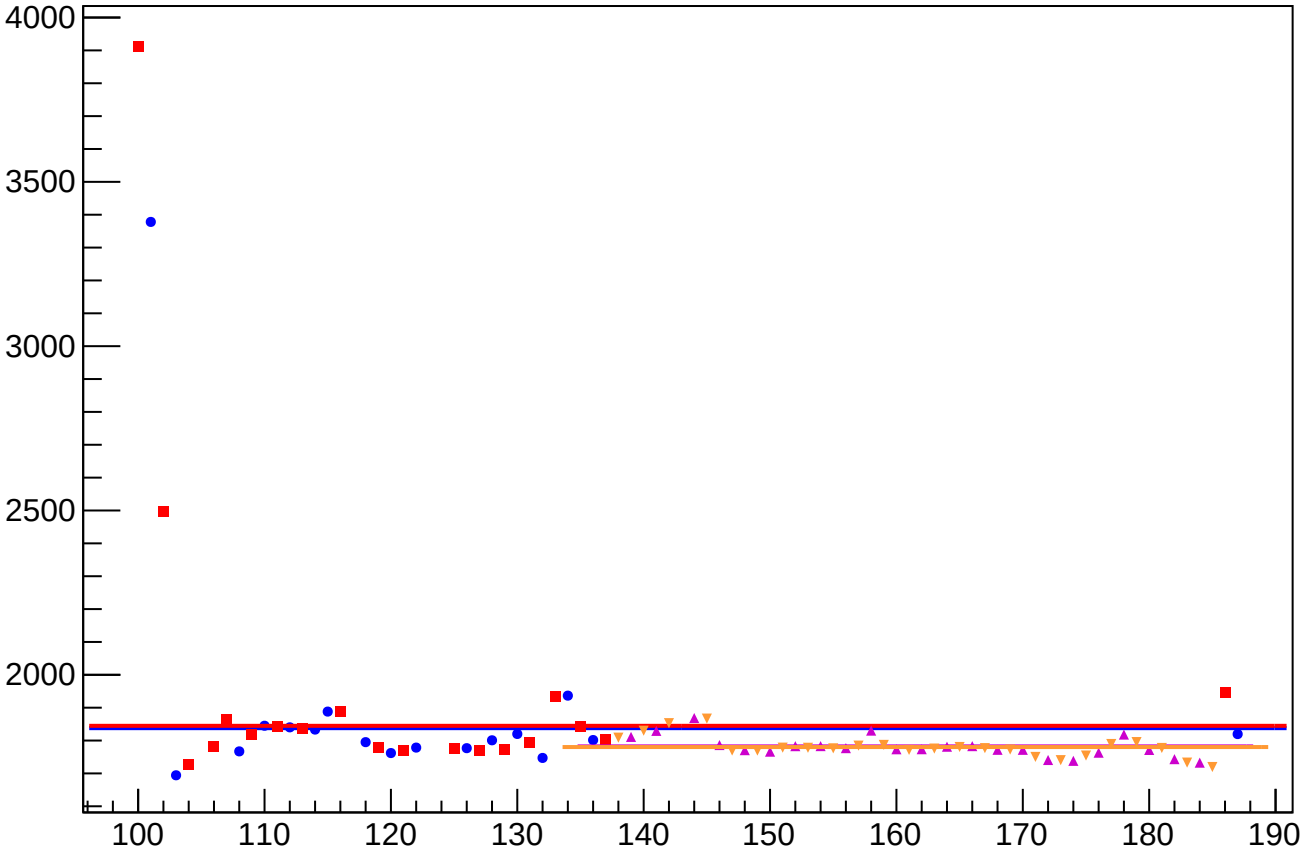
Right: 1018.029+/-0.208 χ^2/NDF: 5618268.4/35

In: 764.602+/-0.111 χ^2/NDF:3956567.9/39

Out: 744.252+/-0.108 χ^2/NDF:4720297.5/42

All: 754.165+/-0.078 χ^2/NDF: 8694038.3/82


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -1321.304+/-681.719 χ²/NDF: 9.7/16
Left Out: -886.354+/-413.227 χ²/NDF:28.1/23
Right Out: -487.852+/-673.629 χ²/NDF: 11.2/18
Left In: -453.237+/-416.200 χ²/NDF:25.8/22
Left: -671.348+/-293.241 χ²/NDF: 54.5/46
Right: -899.603+/-479.162 χ²/NDF: 21.6/35
In: -688.938+/-355.230 χ²/NDF:36.6/39
Out: -777.397+/-352.234 χ²/NDF:39.6/42
All: -733.542+/-250.120 χ²/NDF: 76.3/82



Right In: 1837.669+/-0.482 χ^2/NDF: 292022.0/16

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1844.817+/-0.476 χ^2/NDF: 130627.3/18

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

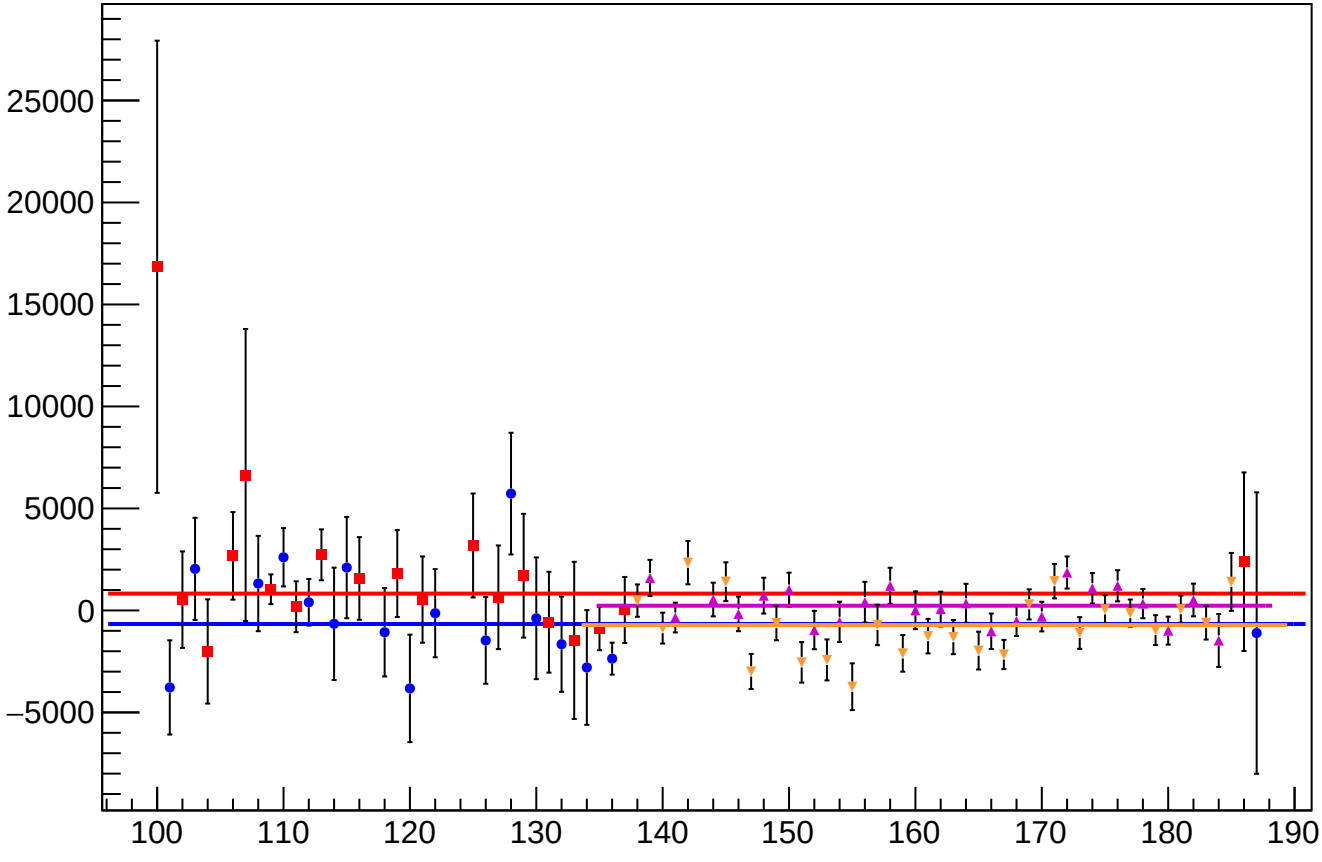
Right: 1841.286+/-0.339 χ^2/NDF: 422760.5/35

In: 1797.333+/-0.251 χ^2/NDF:312865.8/39

Out: 1797.882+/-0.249 χ^2/NDF:154370.2/42

All: 1797.610+/-0.177 χ^2/NDF: 467238.4/82

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -665.344+/-444.975 χ^2/NDF: 22.8/16

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 825.063+/-395.561 χ^2/NDF: 12.4/18

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

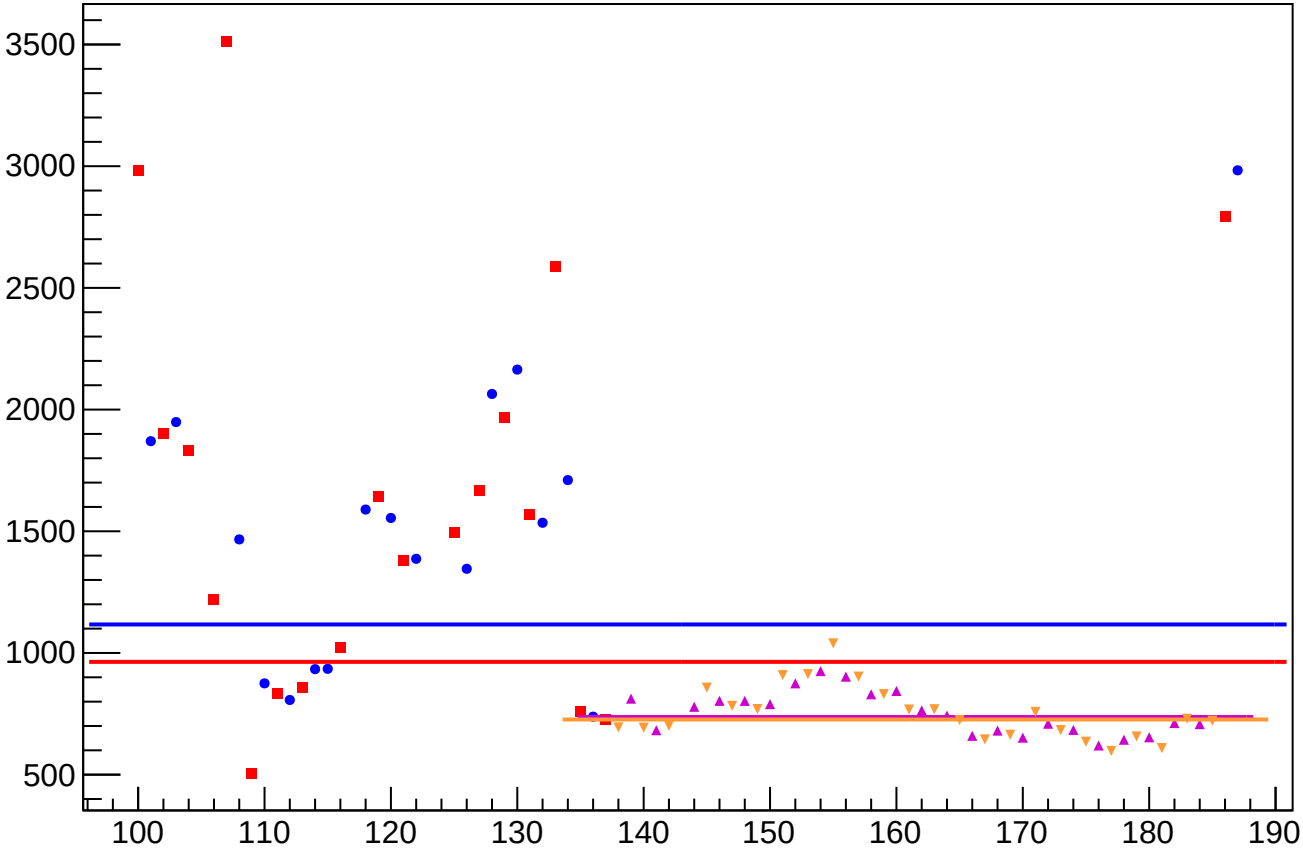
Right: 167.176+/-295.637 χ^2/NDF: 41.4/35

In: 113.067+/-161.595 χ^2/NDF:50.4/39

Out: -474.807+/-156.654 χ^2/NDF:84.5/42

All: -189.996+/-112.477 χ^2/NDF: 141.7/82

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1117.156+/-0.315 χ^2/NDF: 2120257.6/16

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 963.507+/-0.280 χ^2/NDF: 3406085.7/18

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

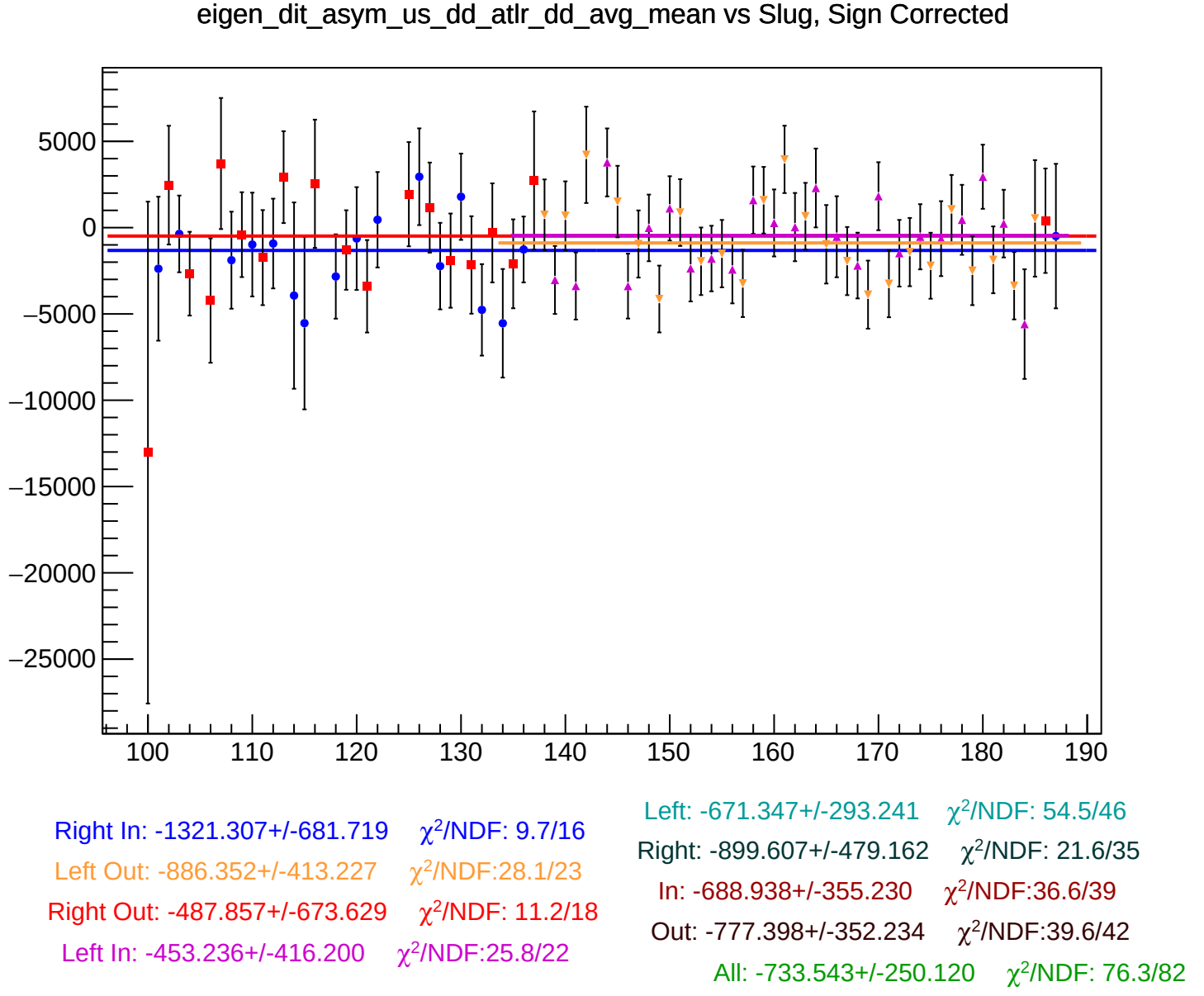
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

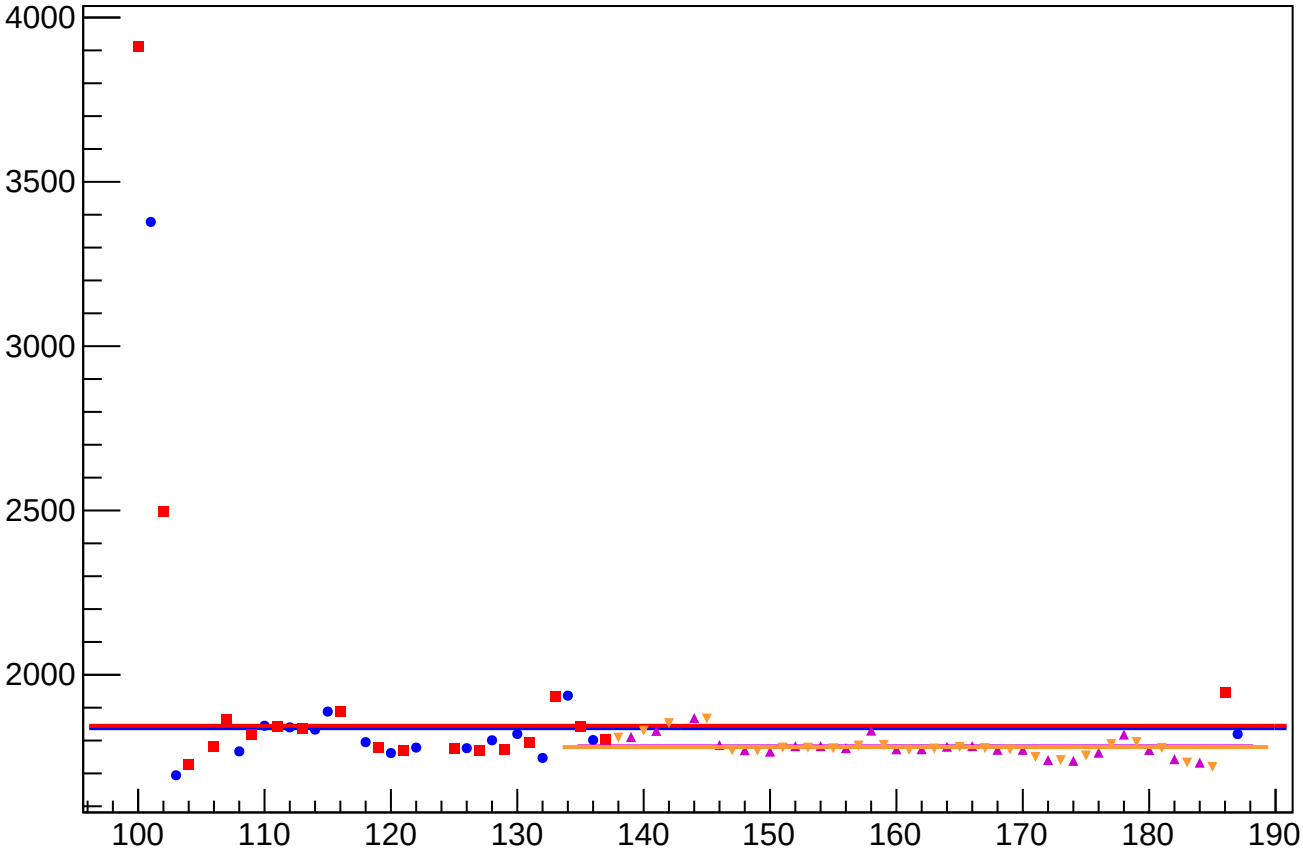
Right: 1031.330+/-0.209 χ^2/NDF: 5659543.7/35

In: 786.883+/-0.114 χ^2/NDF:3854481.0/39

Out: 763.760+/-0.111 χ^2/NDF:4695726.3/42

All: 774.963+/-0.080 χ^2/NDF: 8571319.0/82


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -1321.307+/-681.719 χ²/NDF: 9.7/16
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -487.857+/-673.629 χ²/NDF: 11.2/18
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -899.607+/-479.162 χ²/NDF: 21.6/35
In: -688.938+/-355.230 χ²/NDF:36.6/39
Out: -777.398+/-352.234 χ²/NDF:39.6/42
All: -733.543+/-250.120 χ²/NDF: 76.3/82



Right In: 1837.669+/-0.482 χ^2/NDF: 292021.9/16

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1844.817+/-0.476 χ^2/NDF: 130627.3/18

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

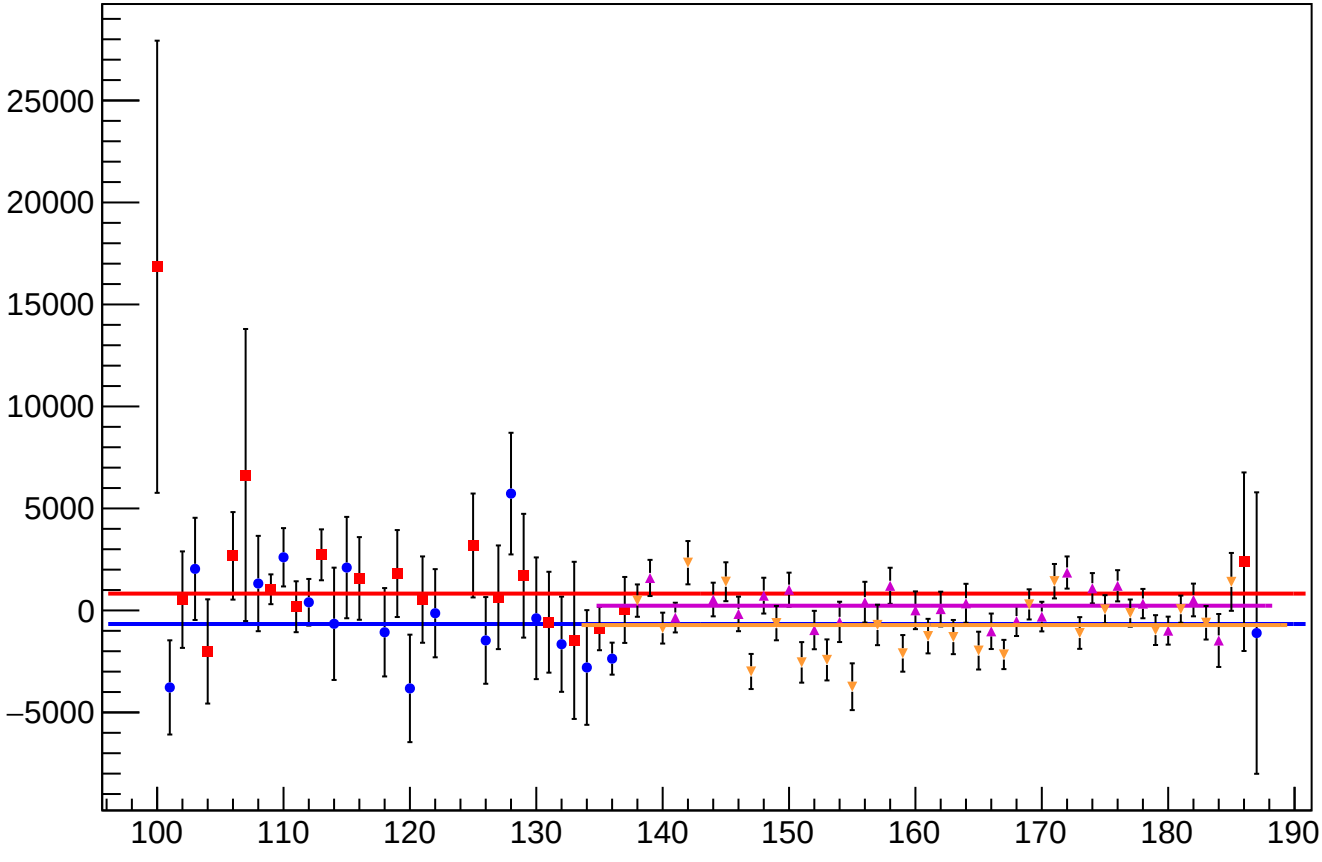
Right: 1841.286+/-0.339 χ^2/NDF: 422760.5/35

In: 1797.333+/-0.251 χ^2/NDF:312865.8/39

Out: 1797.882+/-0.249 χ^2/NDF:154370.4/42

All: 1797.610+/-0.177 χ^2/NDF: 467238.6/82

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -665.330+/-444.976 χ^2/NDF: 22.8/16

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 825.069+/-395.562 χ^2/NDF: 12.4/18

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

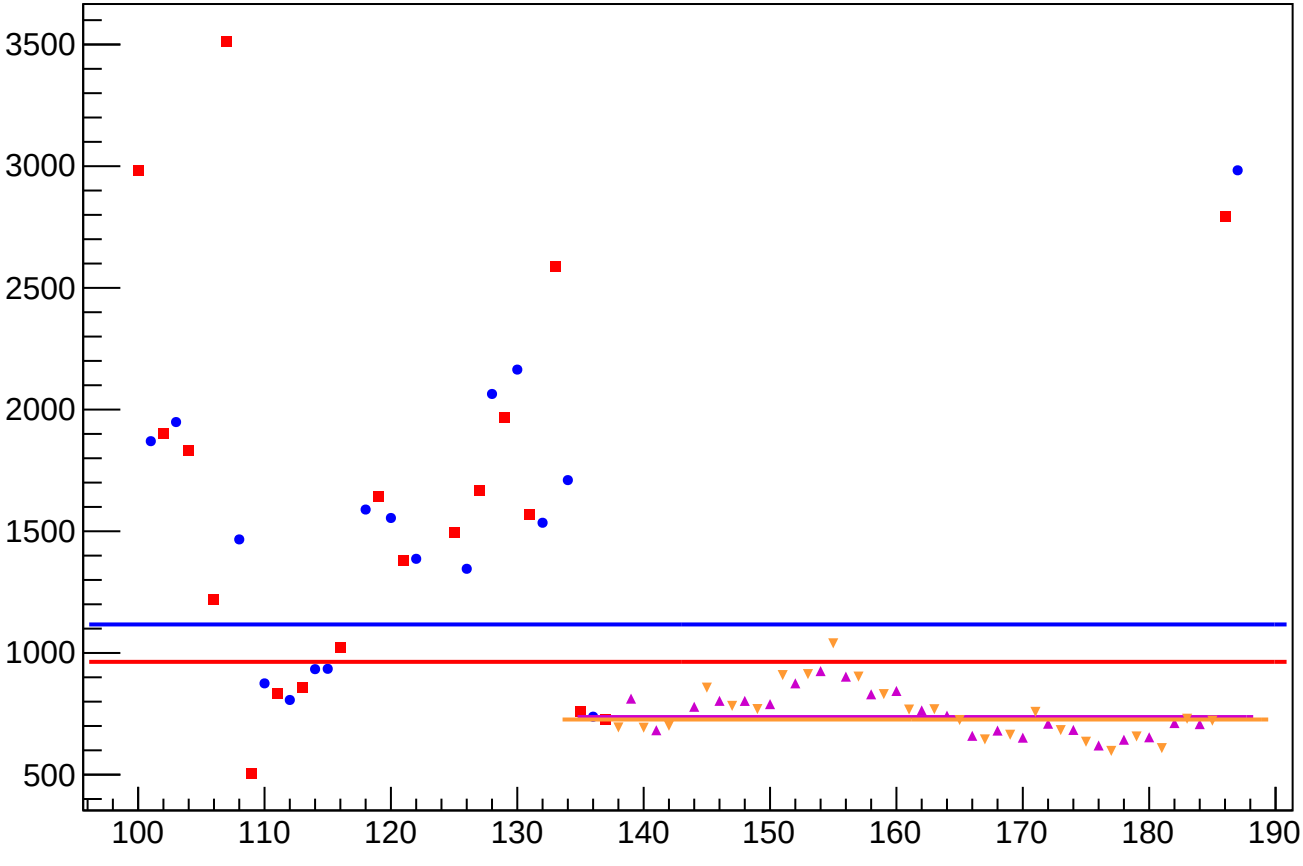
Right: 167.186+/-295.637 χ^2/NDF: 41.4/35

In: 113.067+/-161.595 χ^2/NDF:50.4/39

Out: -474.808+/-156.654 χ^2/NDF:84.5/42

All: -189.996+/-112.477 χ^2/NDF: 141.7/82

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1117.158+/-0.315 χ^2/NDF: 2120217.7/16

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 963.509+/-0.280 χ^2/NDF: 3406058.1/18

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

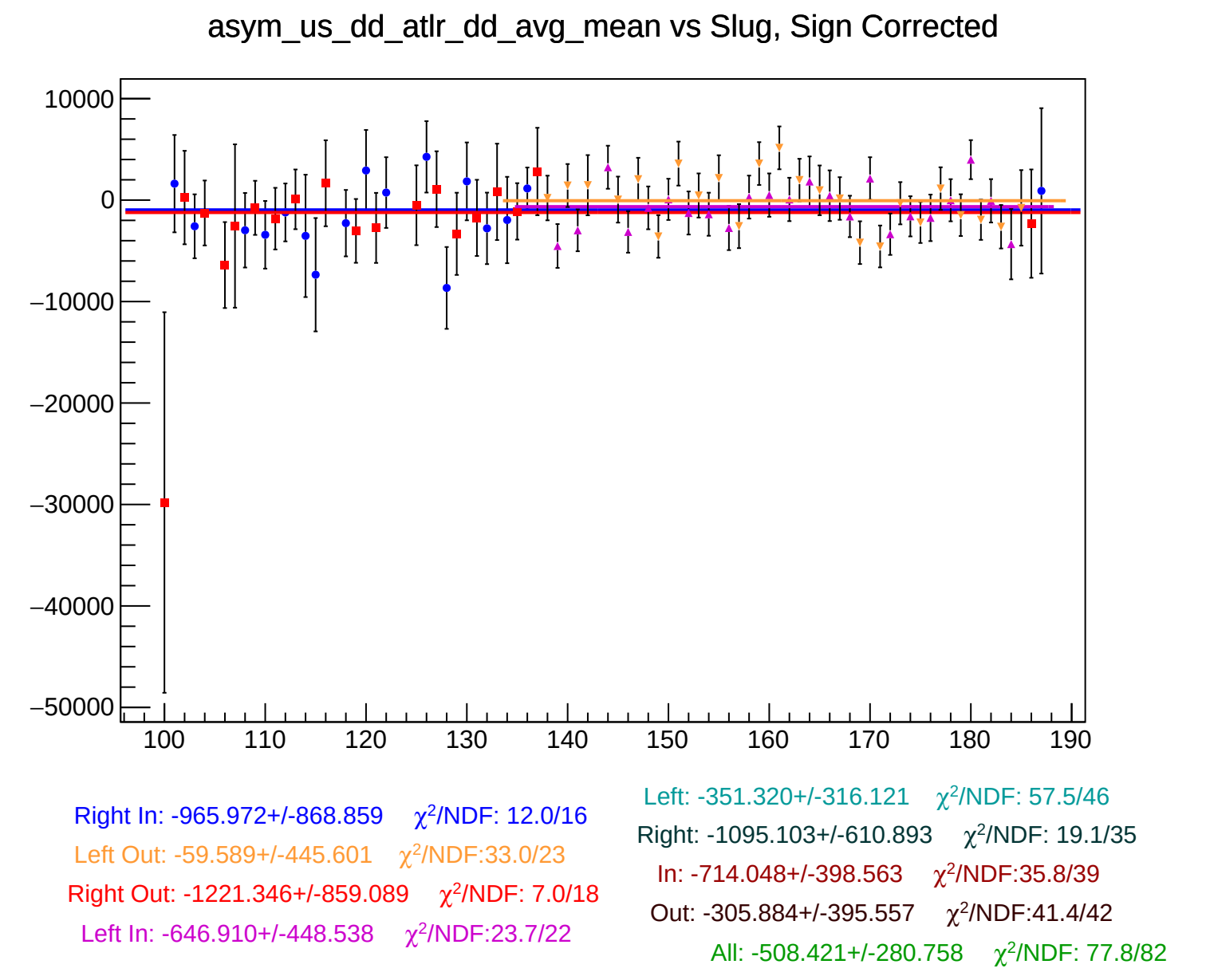
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

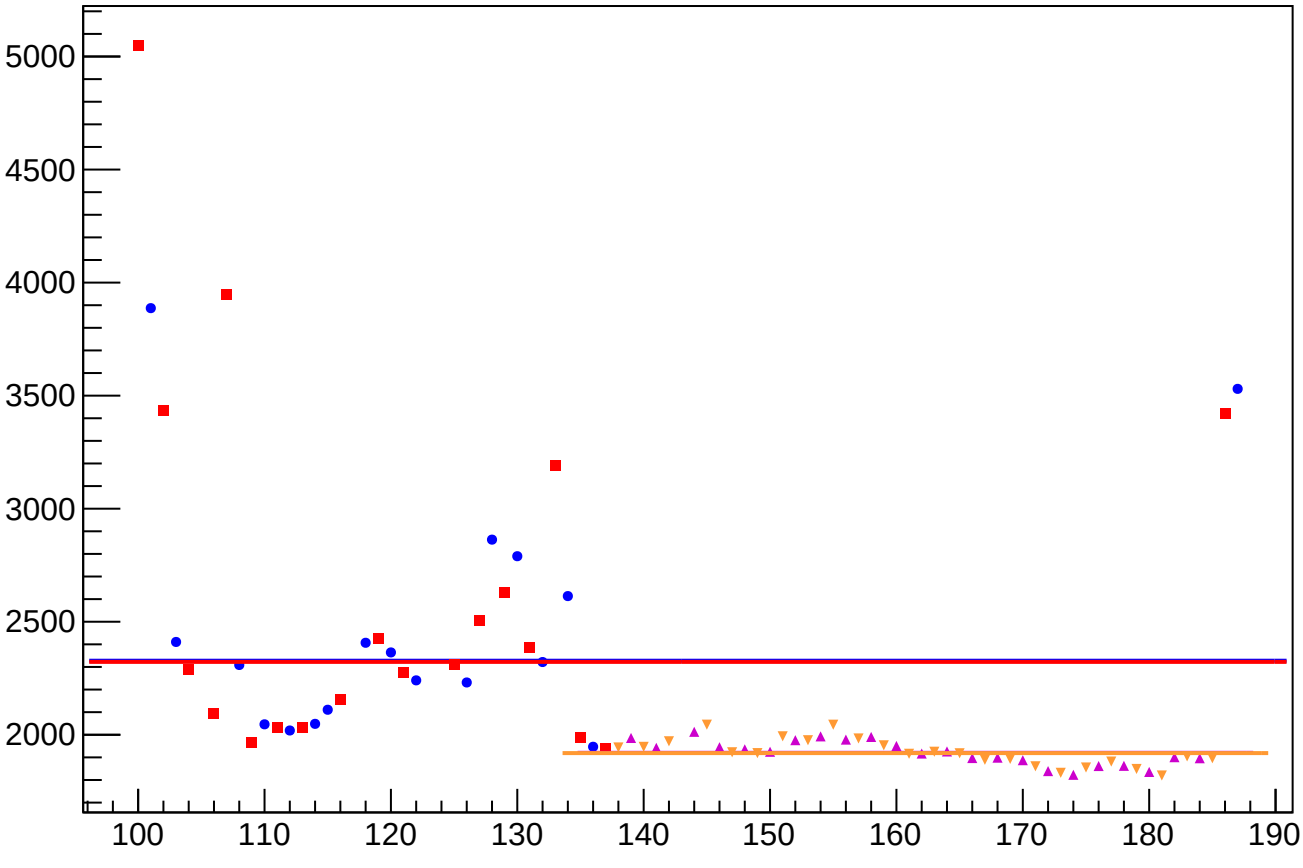
Right: 1031.332+/-0.209 χ^2/NDF: 5659476.7/35

In: 786.883+/-0.114 χ^2/NDF:3854473.9/39

Out: 763.760+/-0.111 χ^2/NDF:4695704.5/42

All: 774.963+/-0.080 χ^2/NDF: 8571288.7/82


asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -965.972+/-868.859 χ²/NDF: 12.0/16
Left Out: -59.589+/-445.601 χ²/NDF:33.0/23
Right Out: -1221.346+/-859.089 χ²/NDF: 7.0/18
Left In: -646.910+/-448.538 χ²/NDF:23.7/22
Left: -351.320+/-316.121 χ²/NDF: 57.5/46
Right: -1095.103+/-610.893 χ²/NDF: 19.1/35
In: -714.048+/-398.563 χ²/NDF:35.8/39
Out: -305.884+/-395.557 χ²/NDF:41.4/42
All: -508.421+/-280.758 χ²/NDF: 77.8/82



Right In: 2327.566+/-0.614 χ^2/NDF: 446799.7/16

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2322.448+/-0.607 χ^2/NDF: 539978.2/18

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

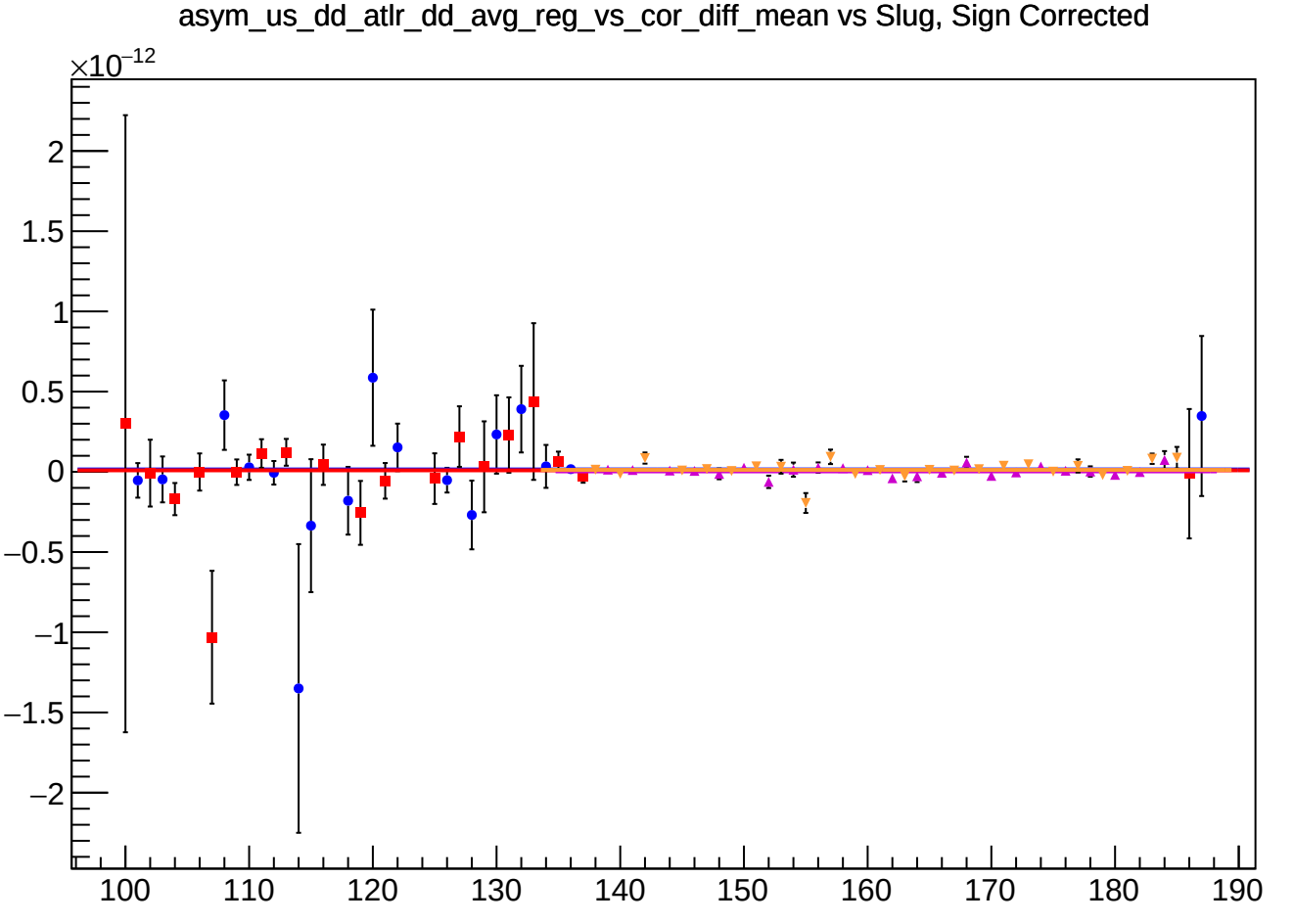
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2324.978+/-0.432 χ^2/NDF: 986813.0/35

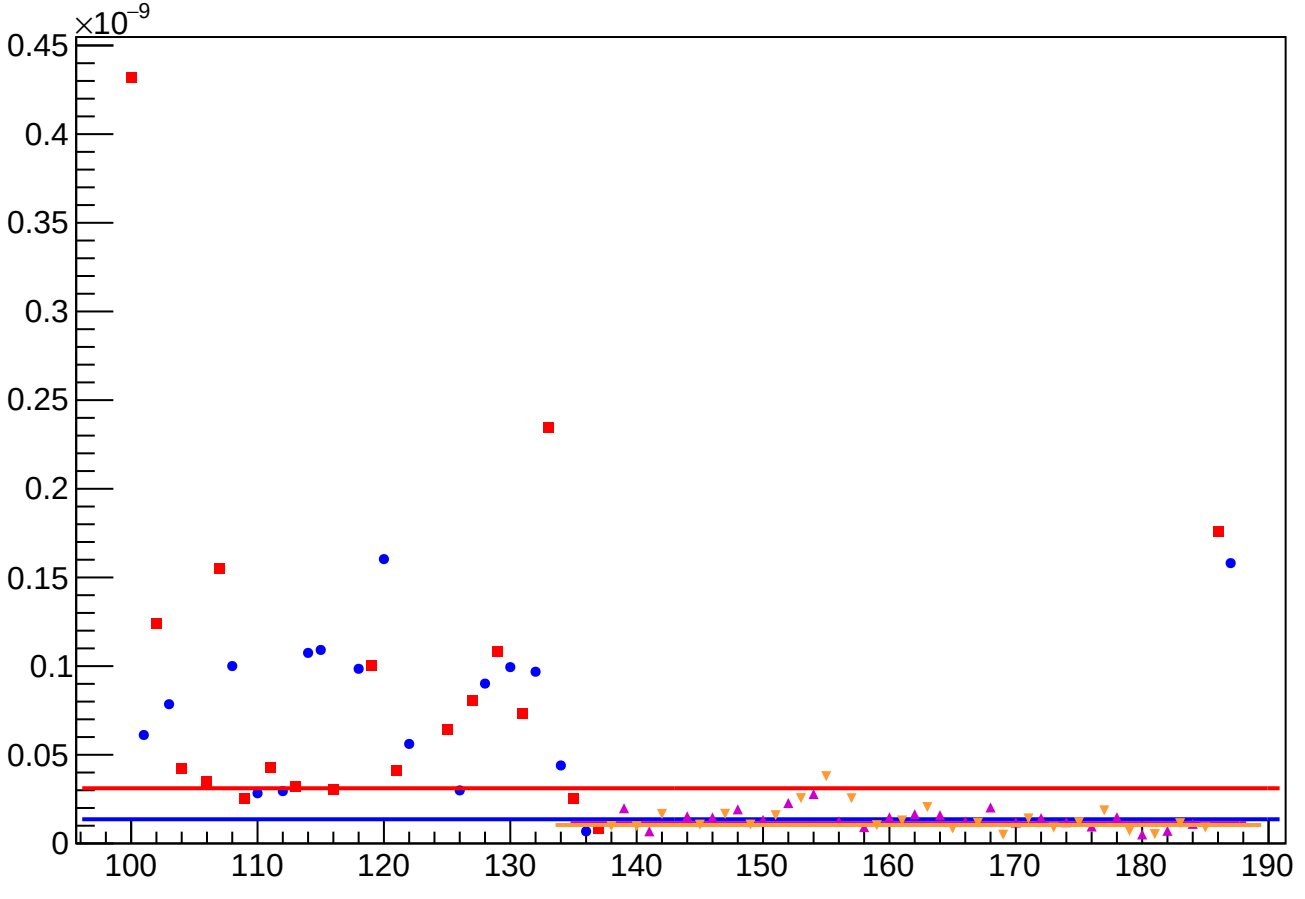
In: 2005.931+/-0.282 χ^2/NDF:823820.8/39

Out: 2004.514+/-0.280 χ^2/NDF:923178.1/42

All: 2005.217+/-0.199 χ^2/NDF: 1747011.6/82


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.4/16
Left Out: 0.000+/-0.000 χ²/NDF:38.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.5/18
Left In: 0.000+/-0.000 χ²/NDF:19.6/22
Left: 0.000+/-0.000 χ²/NDF: 59.3/46
Right: 0.000+/-0.000 χ²/NDF: 35.0/35
In: 0.000+/-0.000 χ²/NDF:35.6/39
Out: 0.000+/-0.000 χ²/NDF:57.6/42
All: 0.000+/-0.000 χ²/NDF: 94.5/82

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3583894.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2608419.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

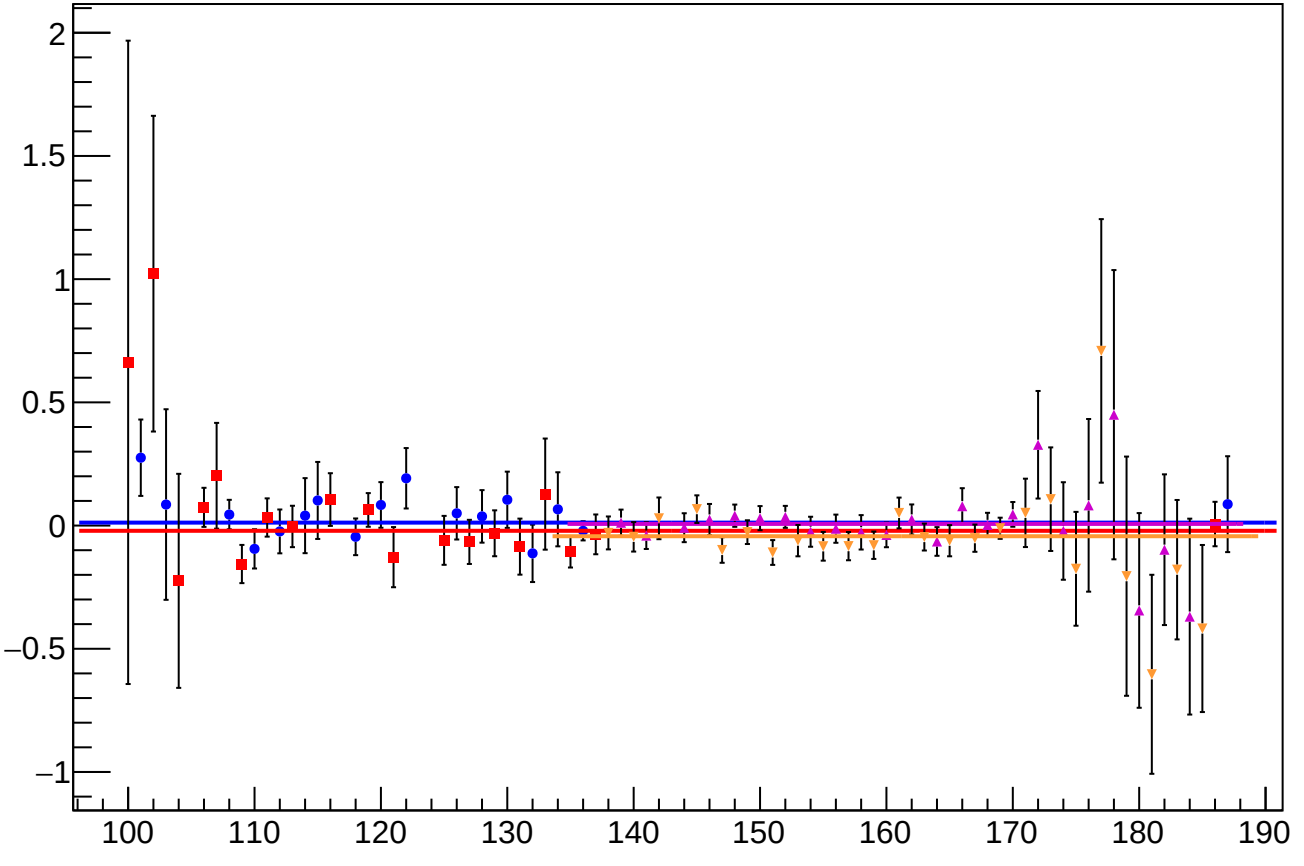
Right: 0.000+/-0.000 χ^2/NDF: 6982527.4/35

In: 0.000+/-0.000 χ^2/NDF:5521489.6/39

Out: 0.000+/-0.000 χ^2/NDF:6111636.6/42

All: 0.000+/-0.000 χ^2/NDF: 11645629.5/82

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

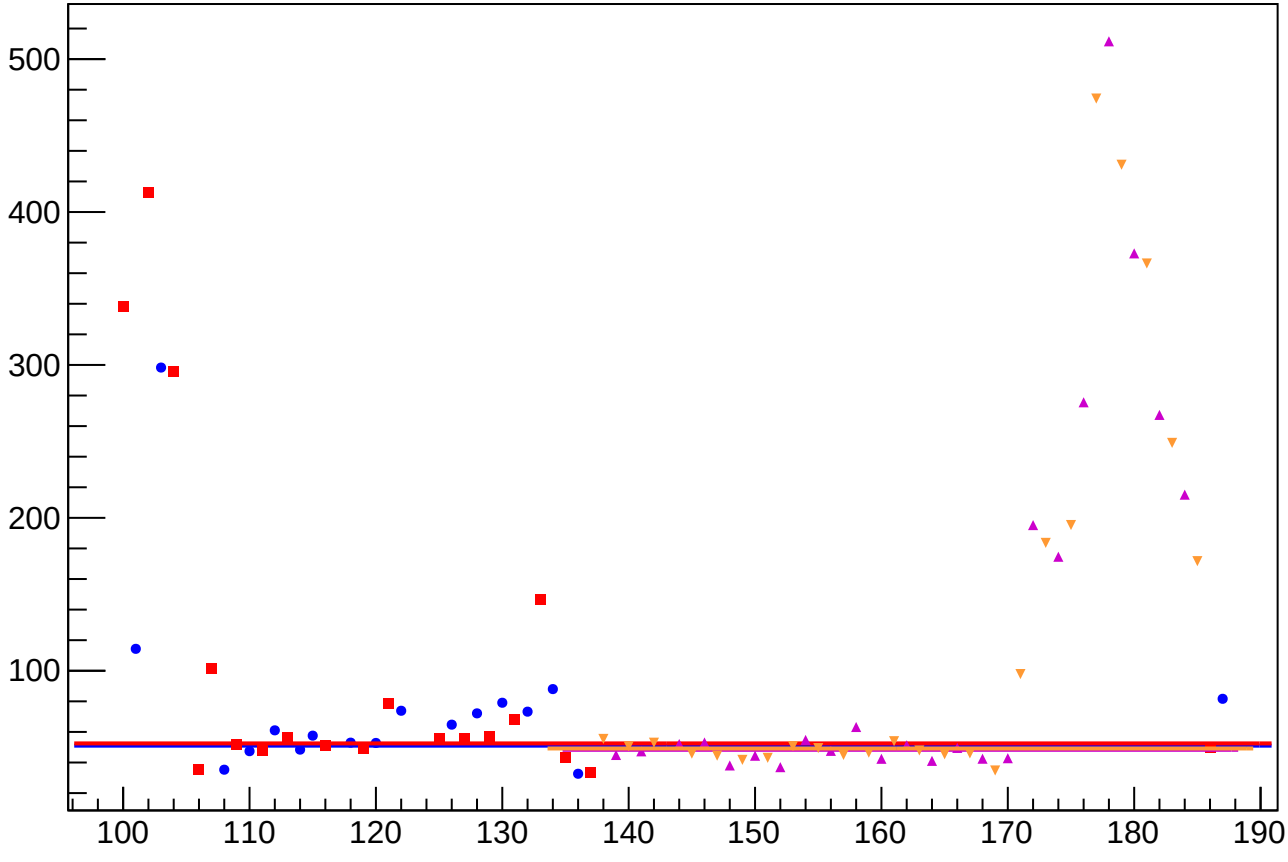
Right: -0.004+/-0.016 χ^2/NDF: 29.1/35

In: 0.008+/-0.011 χ^2/NDF:23.2/39

Out: -0.037+/-0.012 χ^2/NDF:35.6/42

All: -0.014+/-0.008 χ^2/NDF: 66.4/82

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.032+/-0.015 χ^2/NDF: 2316646.8/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 52.497+/-0.016 χ^2/NDF: 2213680.9/18

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

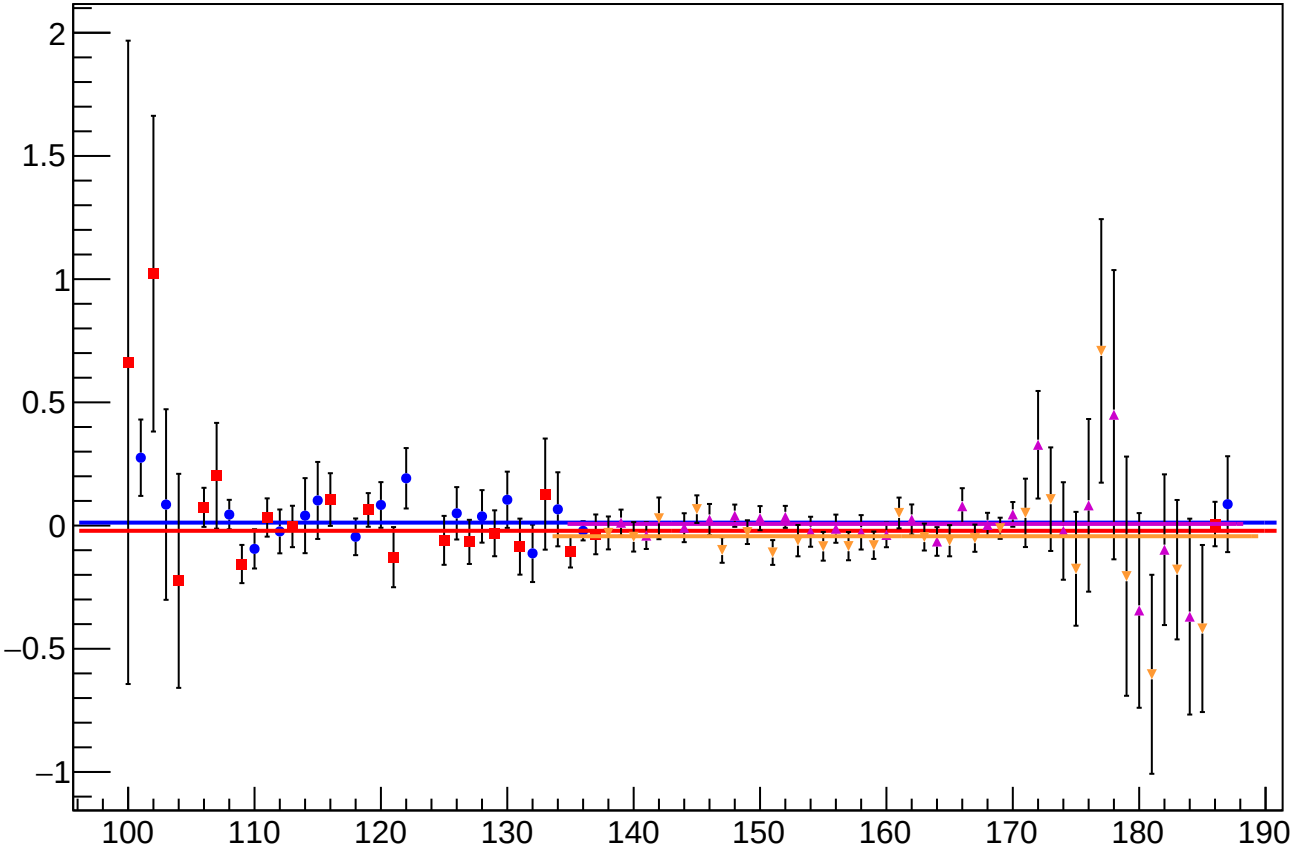
Right: 51.743+/-0.011 χ^2/NDF: 4534731.8/35

In: 49.067+/-0.008 χ^2/NDF:9379982.4/39

Out: 50.103+/-0.008 χ^2/NDF:9495444.1/42

All: 49.571+/-0.006 χ^2/NDF: 18883336.9/82

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

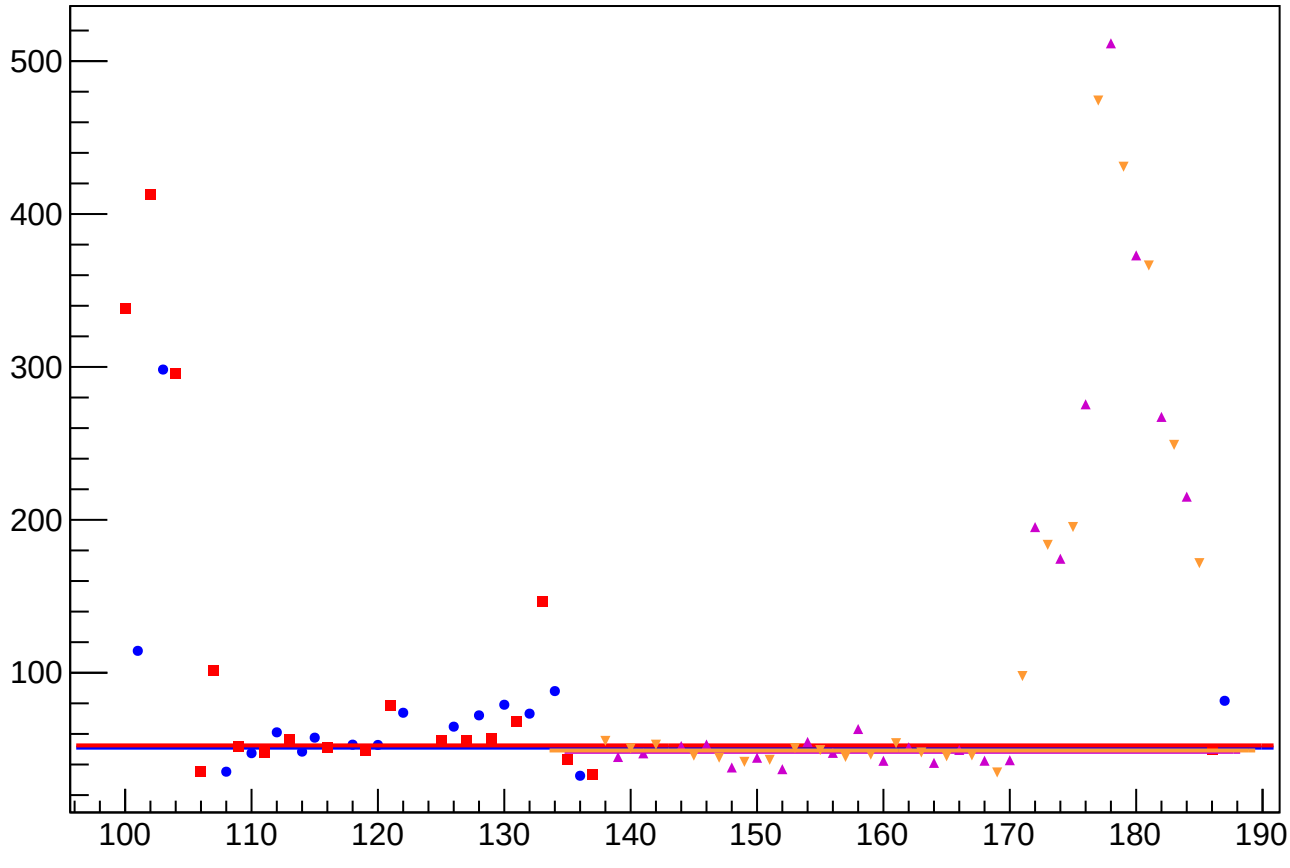
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.004+/-0.016 χ^2/NDF: 29.1/35

In: 0.008+/-0.011 χ^2/NDF:23.2/39

Out: -0.037+/-0.012 χ^2/NDF:35.6/42

All: -0.014+/-0.008 χ^2/NDF: 66.4/82



Right In: 51.032+/-0.015 χ^2/NDF: 2316646.8/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 52.497+/-0.016 χ^2/NDF: 2213680.9/18

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

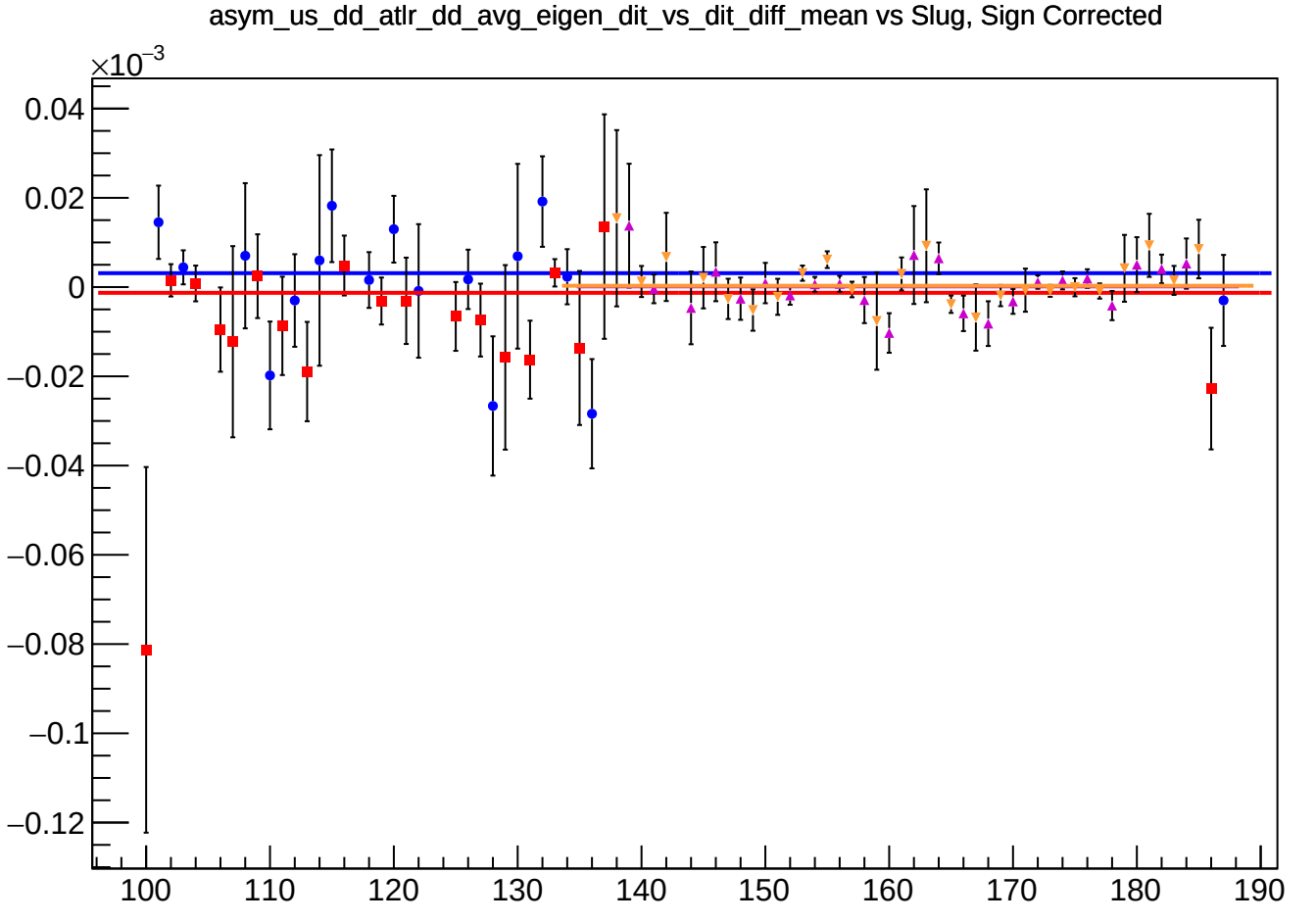
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 51.743+/-0.011 χ^2/NDF: 4534731.8/35

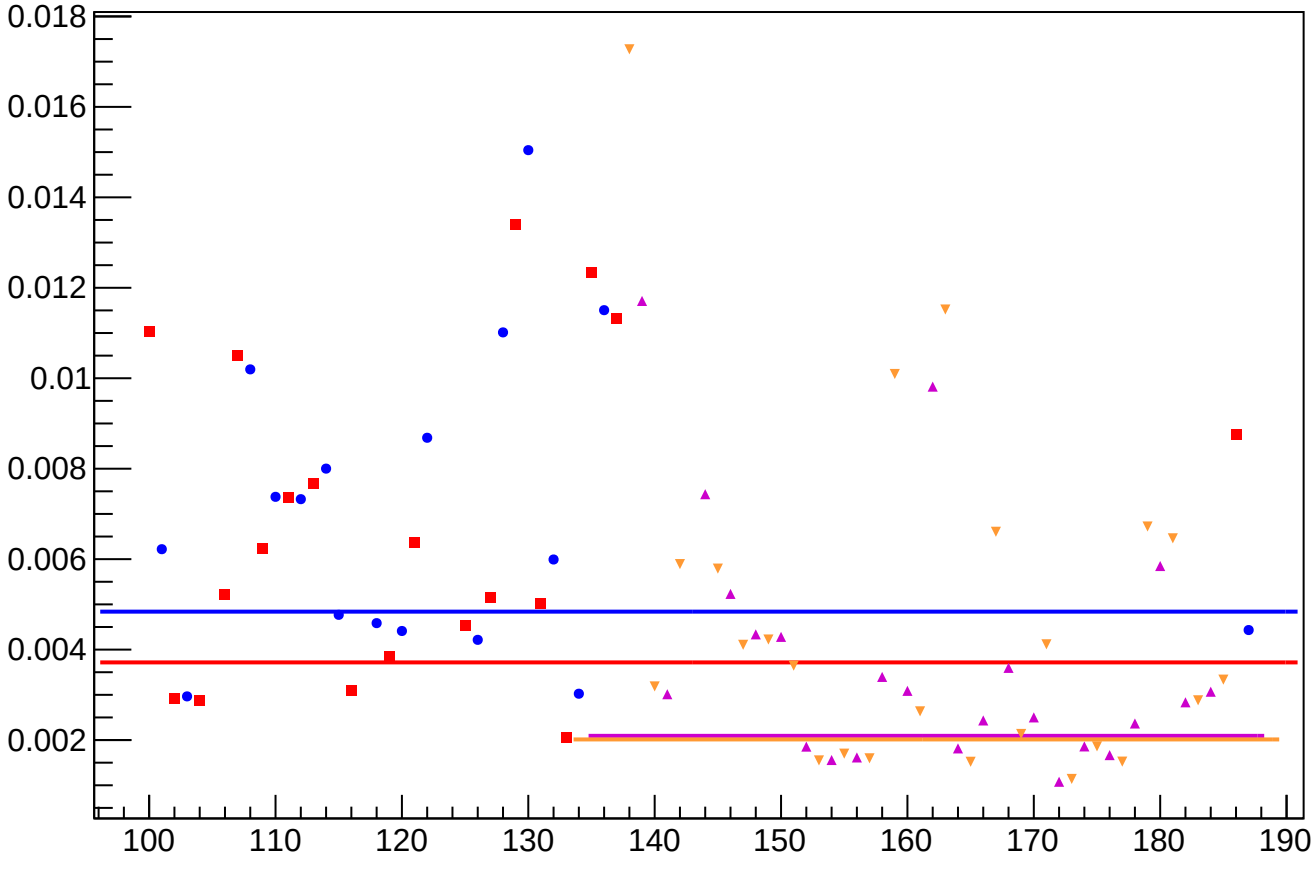
In: 49.067+/-0.008 χ^2/NDF:9379982.4/39

Out: 50.103+/-0.008 χ^2/NDF:9495444.1/42

All: 49.571+/-0.006 χ^2/NDF: 18883336.9/82


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 22.6/16
Left Out: 0.000+/-0.000 χ²/NDF:28.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 19.7/18
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 54.1/46
Right: 0.000+/-0.000 χ²/NDF: 45.3/35
In: 0.000+/-0.000 χ²/NDF:49.8/39
Out: 0.000+/-0.000 χ²/NDF:49.5/42
All: 0.000+/-0.000 χ²/NDF: 99.4/82

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: 2748408.9/16

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 3385143.2/18

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

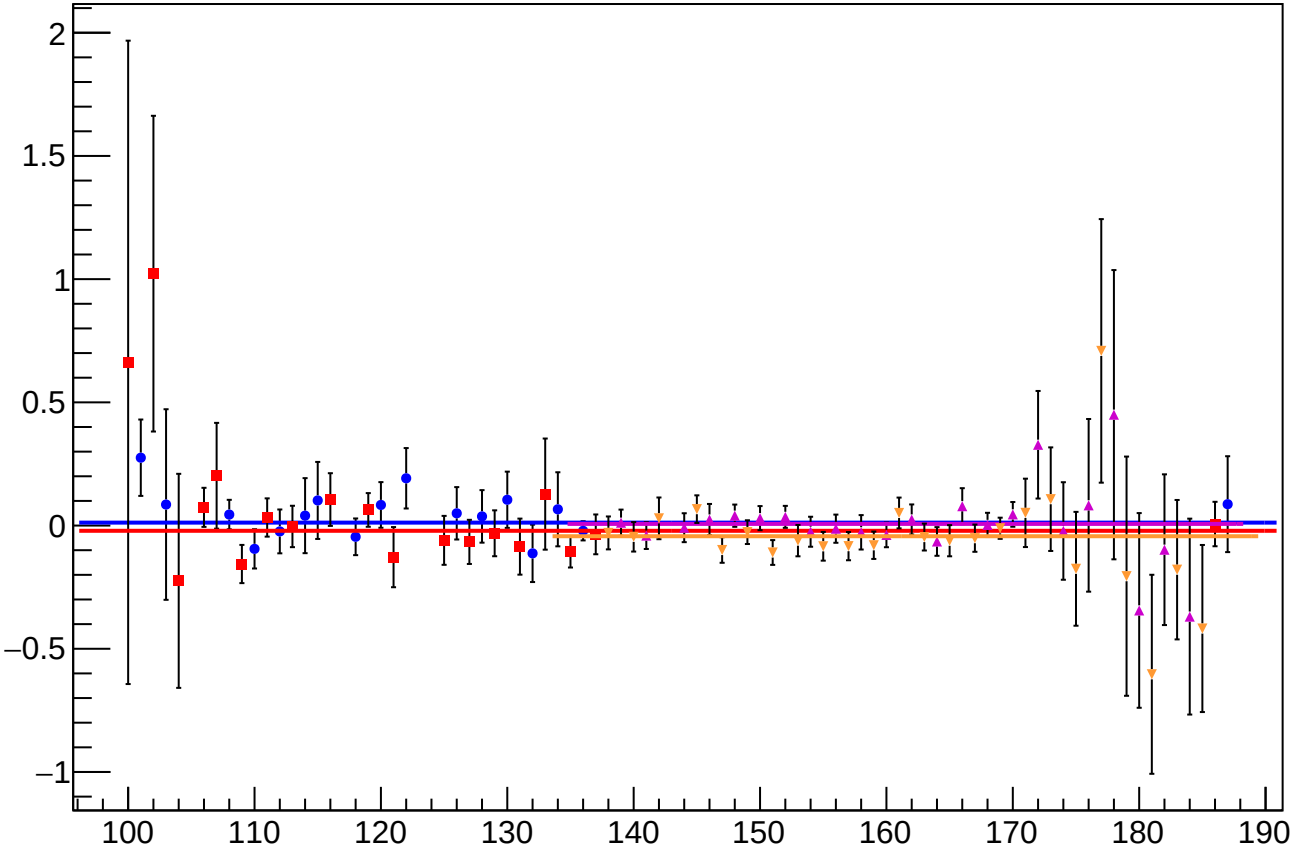
Right: 0.004+/-0.000 χ^2/NDF: 6516758.3/35

In: 0.002+/-0.000 χ^2/NDF:13226221.8/39

Out: 0.002+/-0.000 χ^2/NDF:15762636.2/42

All: 0.002+/-0.000 χ^2/NDF: 29024094.3/82

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

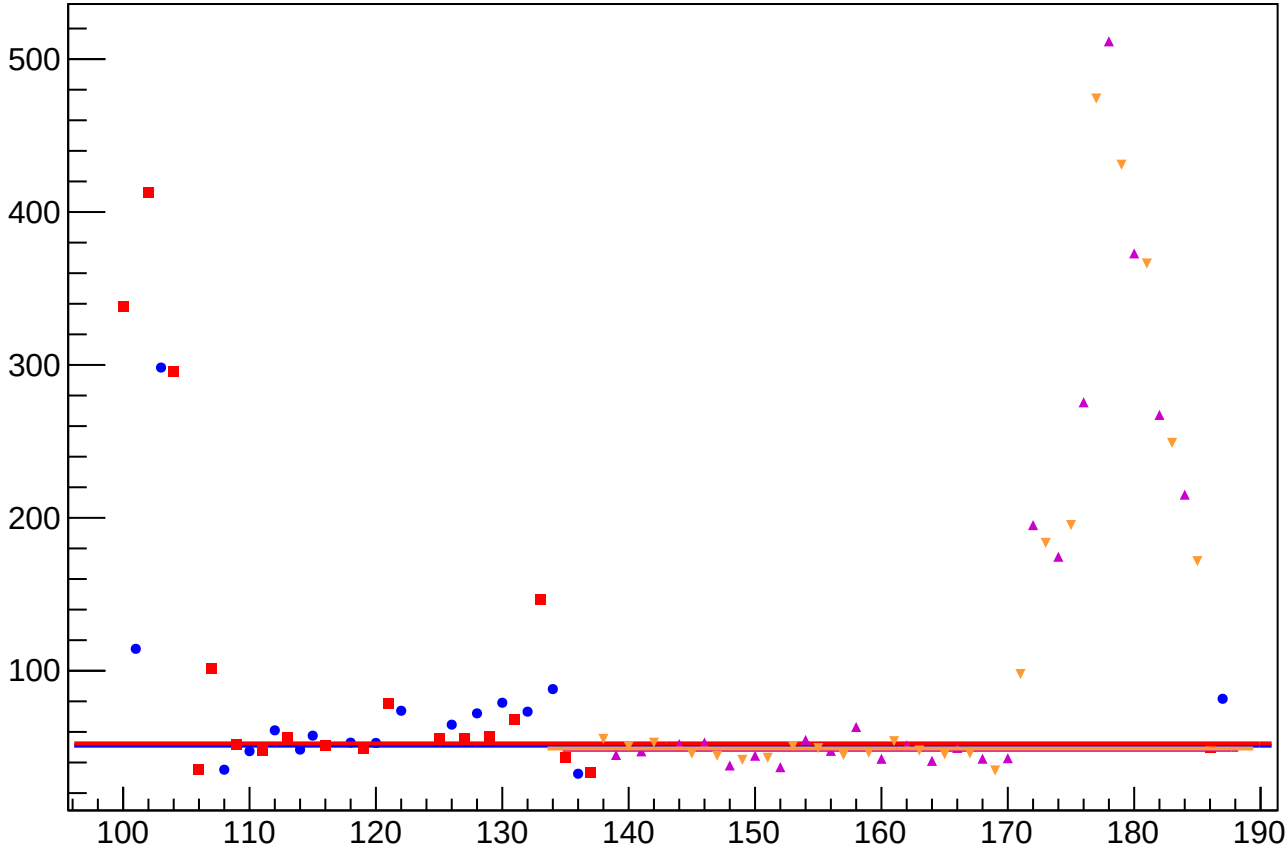
Right: -0.004+/-0.016 χ^2/NDF: 29.1/35

In: 0.008+/-0.011 χ^2/NDF:23.2/39

Out: -0.037+/-0.012 χ^2/NDF:35.6/42

All: -0.014+/-0.008 χ^2/NDF: 66.4/82

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.033+/-0.015 χ^2/NDF: 2316555.0/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 52.497+/-0.016 χ^2/NDF: 2213570.1/18

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

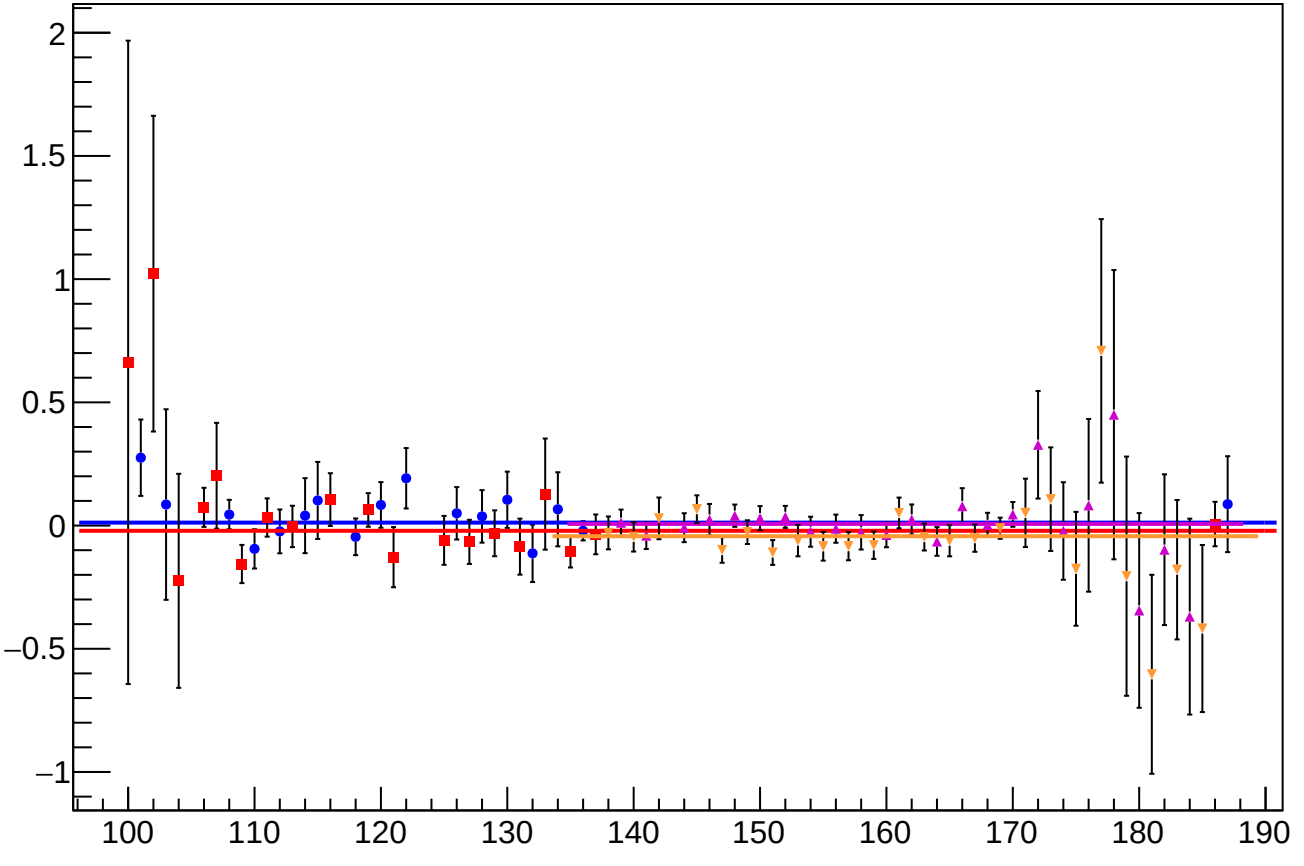
Right: 51.743+/-0.011 χ^2/NDF: 4534529.5/35

In: 49.068+/-0.008 χ^2/NDF:9379815.7/39

Out: 50.103+/-0.008 χ^2/NDF:9495360.1/42

All: 49.571+/-0.006 χ^2/NDF: 18883079.6/82

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

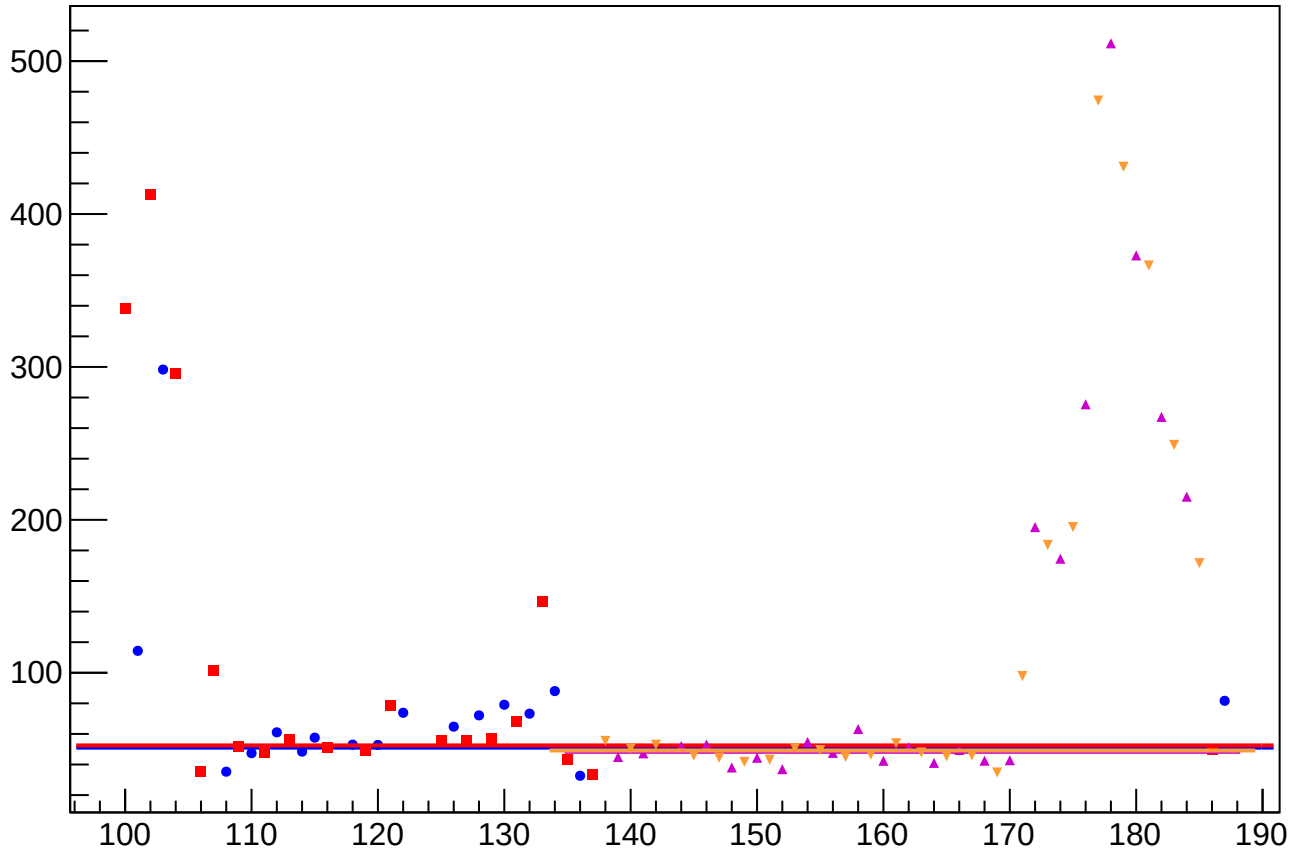
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.004+/-0.016 χ^2/NDF: 29.1/35

In: 0.008+/-0.011 χ^2/NDF:23.2/39

Out: -0.037+/-0.012 χ^2/NDF:35.6/42

All: -0.014+/-0.008 χ^2/NDF: 66.4/82



Right In: 51.033+/-0.015 χ^2/NDF: 2316555.0/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 52.497+/-0.016 χ^2/NDF: 2213570.1/18

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

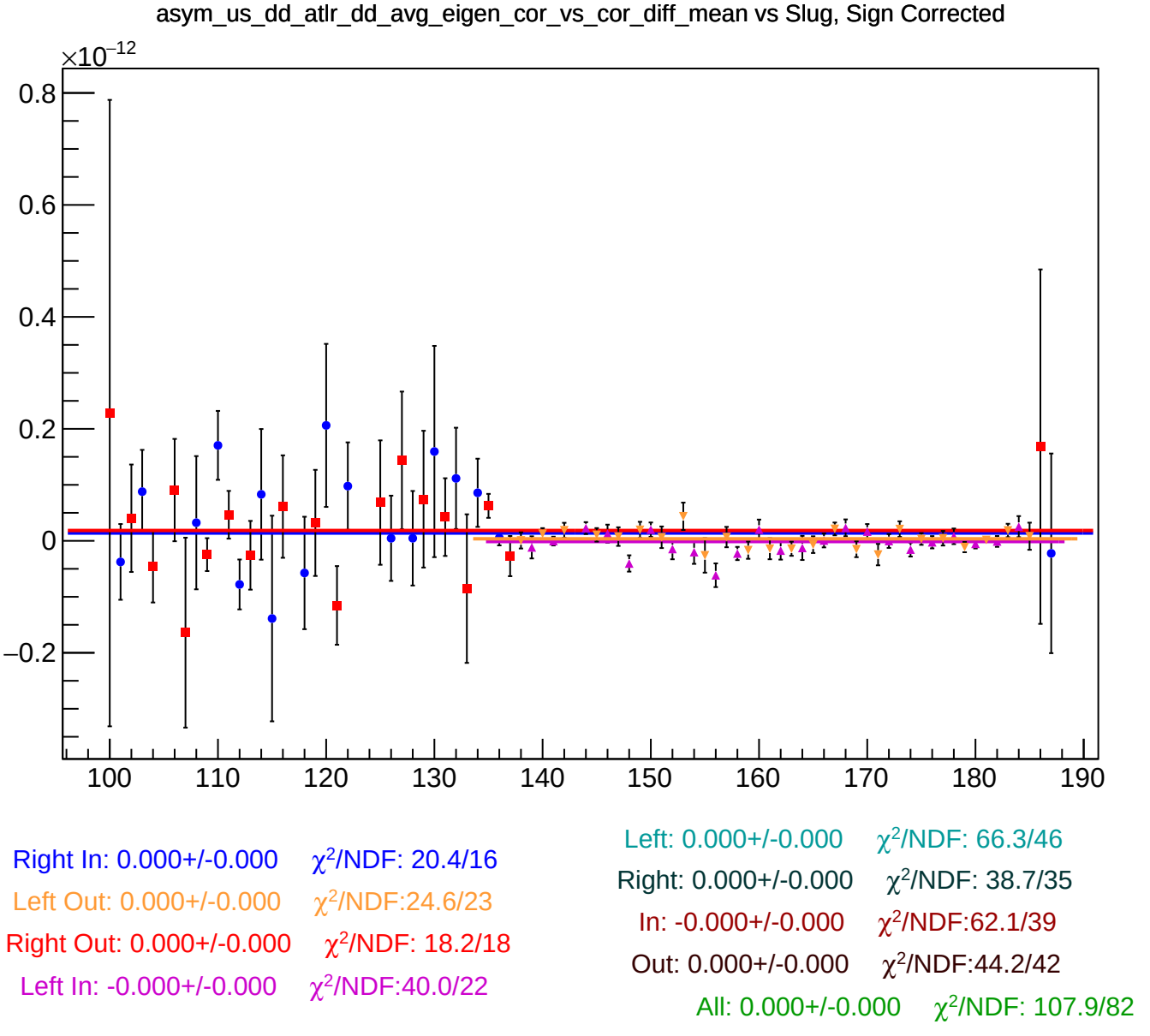
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 51.743+/-0.011 χ^2/NDF: 4534529.5/35

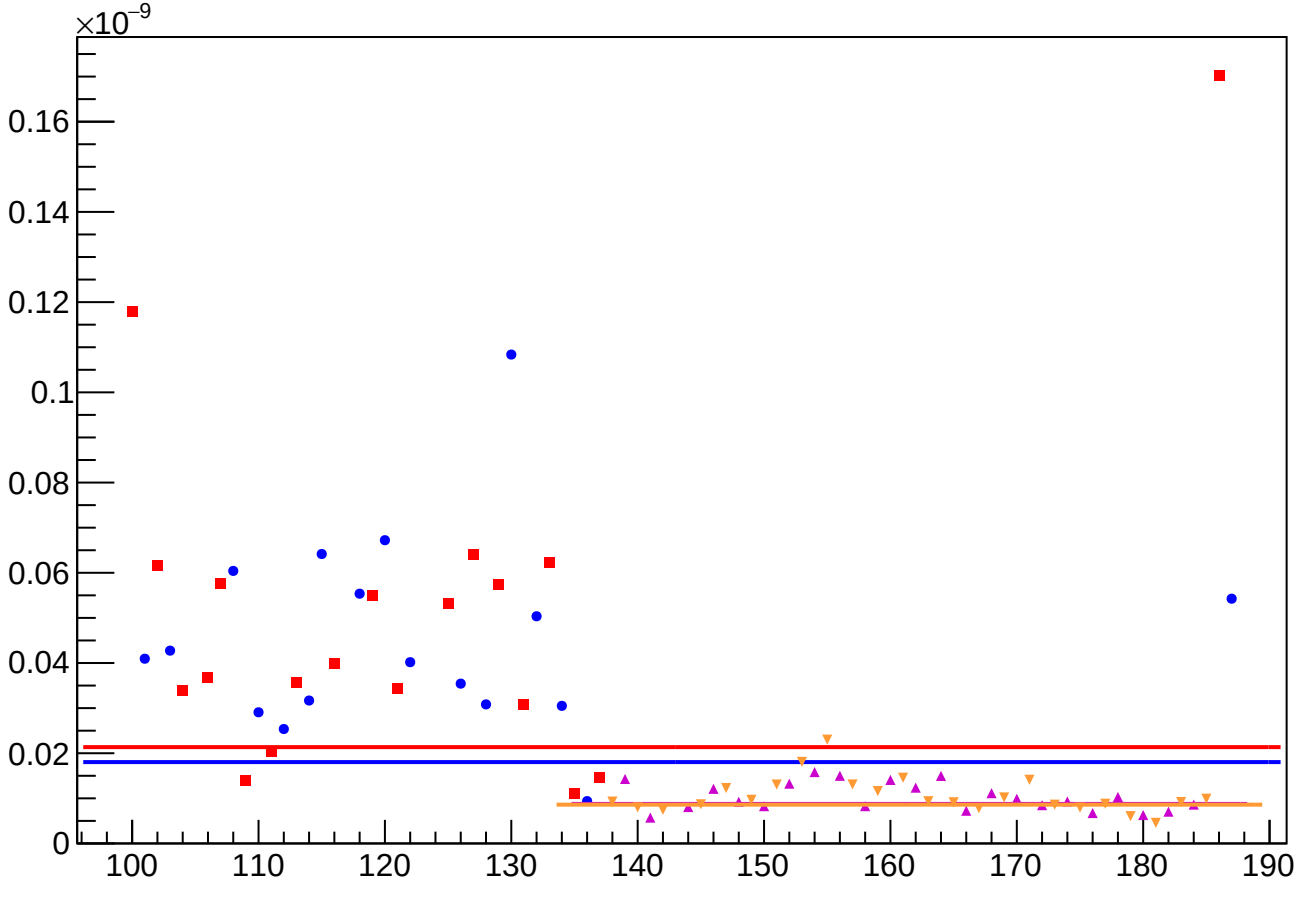
In: 49.068+/-0.008 χ^2/NDF:9379815.7/39

Out: 50.103+/-0.008 χ^2/NDF:9495360.1/42

All: 49.571+/-0.006 χ^2/NDF: 18883079.6/82


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.4/16
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.2/18
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 38.7/35
In: -0.000+/-0.000 χ²/NDF:62.1/39
Out: 0.000+/-0.000 χ²/NDF:44.2/42
All: 0.000+/-0.000 χ²/NDF: 107.9/82

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: 3481378.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3064722.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

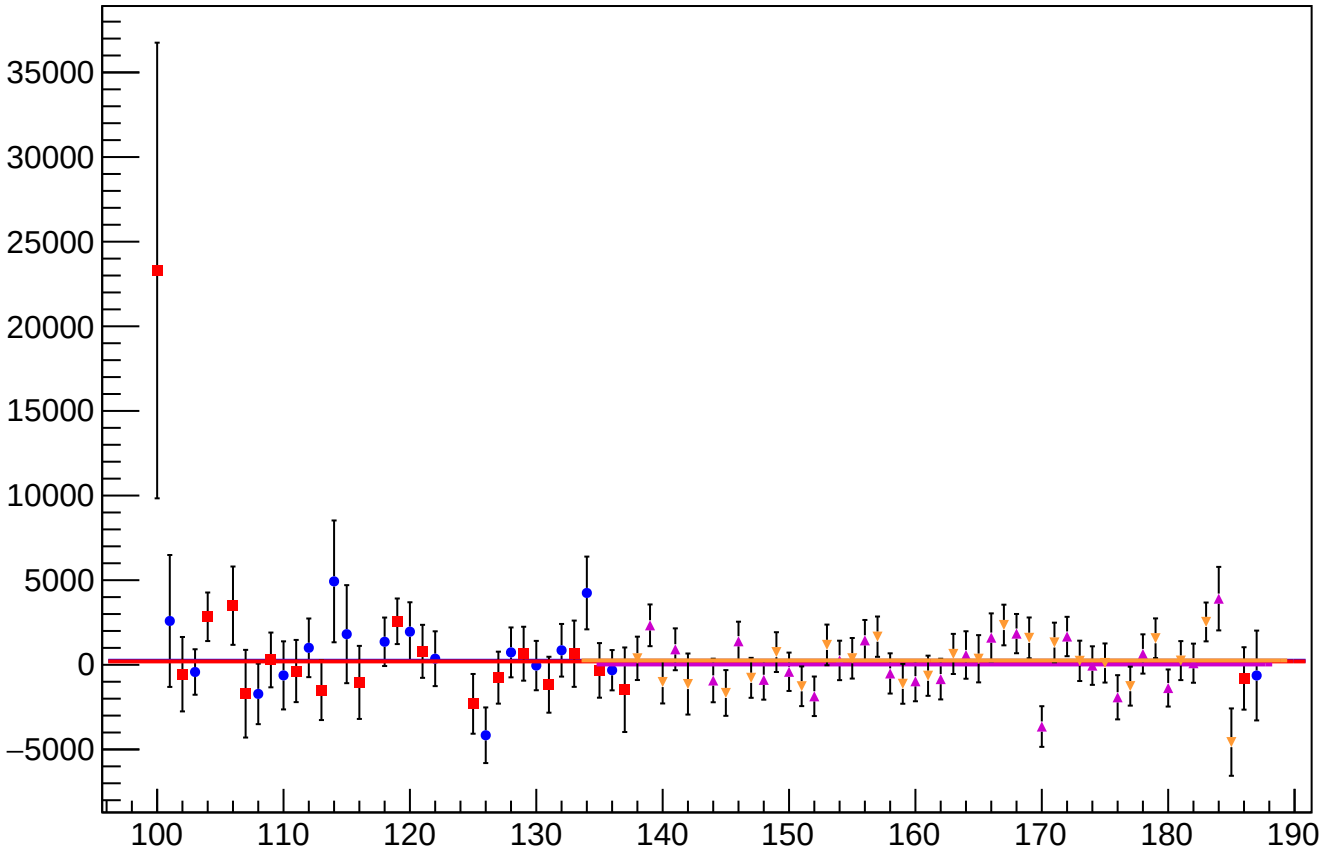
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 6623432.7/35

In: 0.000+/-0.000 χ^2/NDF:6710907.6/39

Out: 0.000+/-0.000 χ^2/NDF:7548530.2/42

All: 0.000+/-0.000 χ^2/NDF: 14261195.4/82



Right In: 238.498+/-419.321 χ^2/NDF: 17.1/16

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 202.234+/-414.866 χ^2/NDF: 17.7/18

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

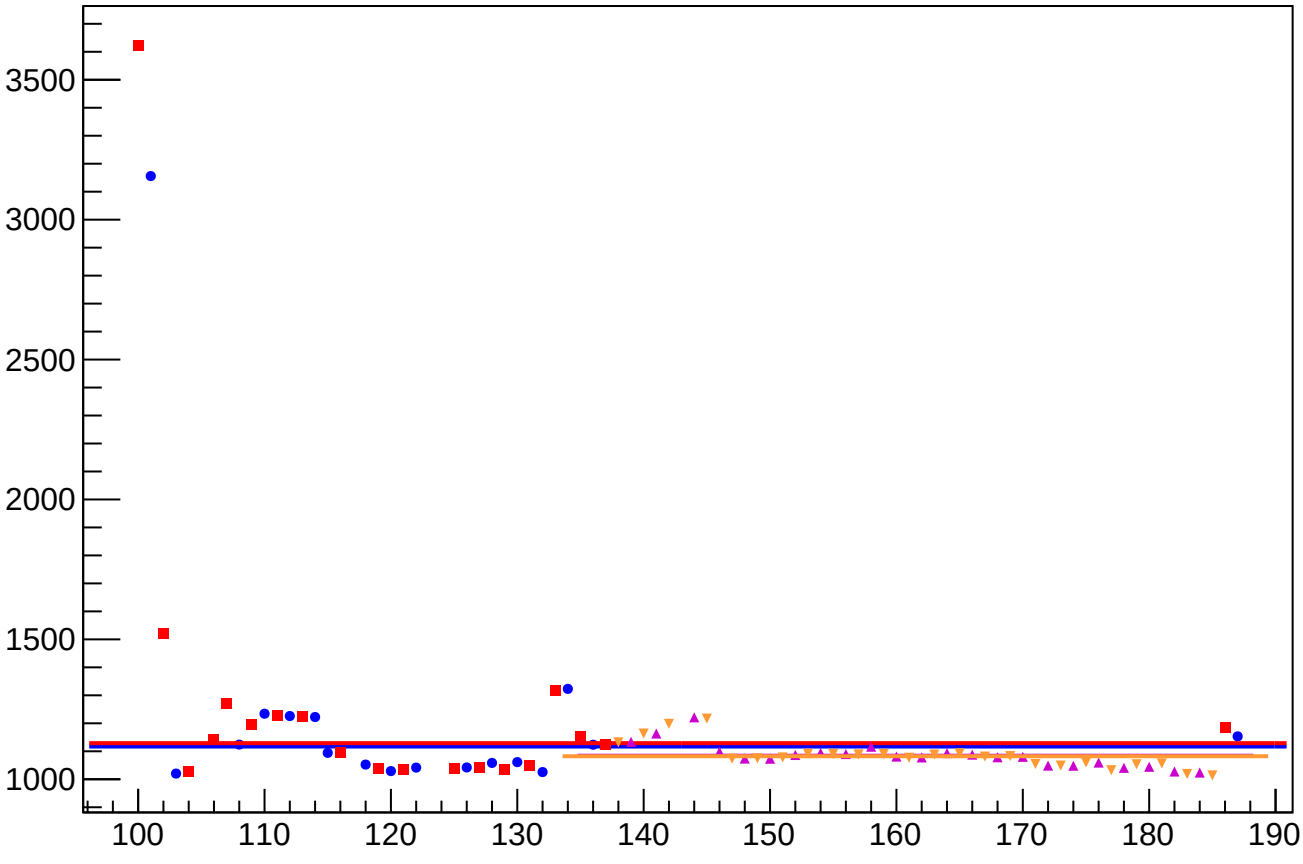
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 220.172+/-294.917 χ^2/NDF: 34.7/35

In: 80.160+/-216.832 χ^2/NDF:53.0/39

Out: 244.960+/-215.005 χ^2/NDF:45.9/42

All: 163.258+/-152.673 χ^2/NDF: 99.3/82



Right In: 1117.018+/-0.297 χ^2/NDF: 623773.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1129.058+/-0.293 χ^2/NDF: 224122.8/18

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

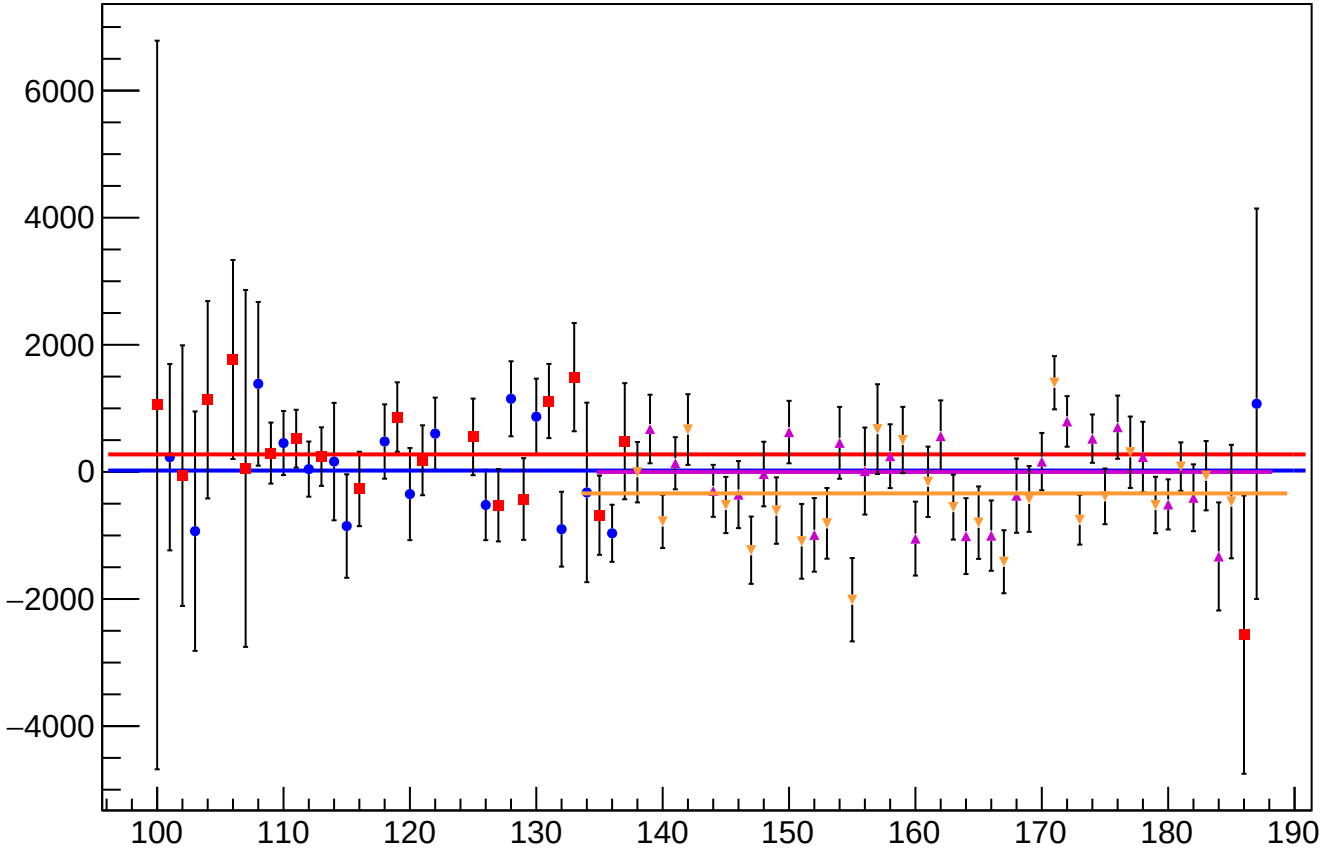
Right: 1123.102+/-0.209 χ^2/NDF: 848730.0/35

In: 1092.951+/-0.153 χ^2/NDF:686206.2/39

Out: 1094.864+/-0.152 χ^2/NDF:300571.6/42

All: 1093.915+/-0.108 χ^2/NDF: 986856.3/82

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 21.363+/-161.015 χ^2/NDF: 19.3/16

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 275.521+/-155.793 χ^2/NDF: 15.2/18

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

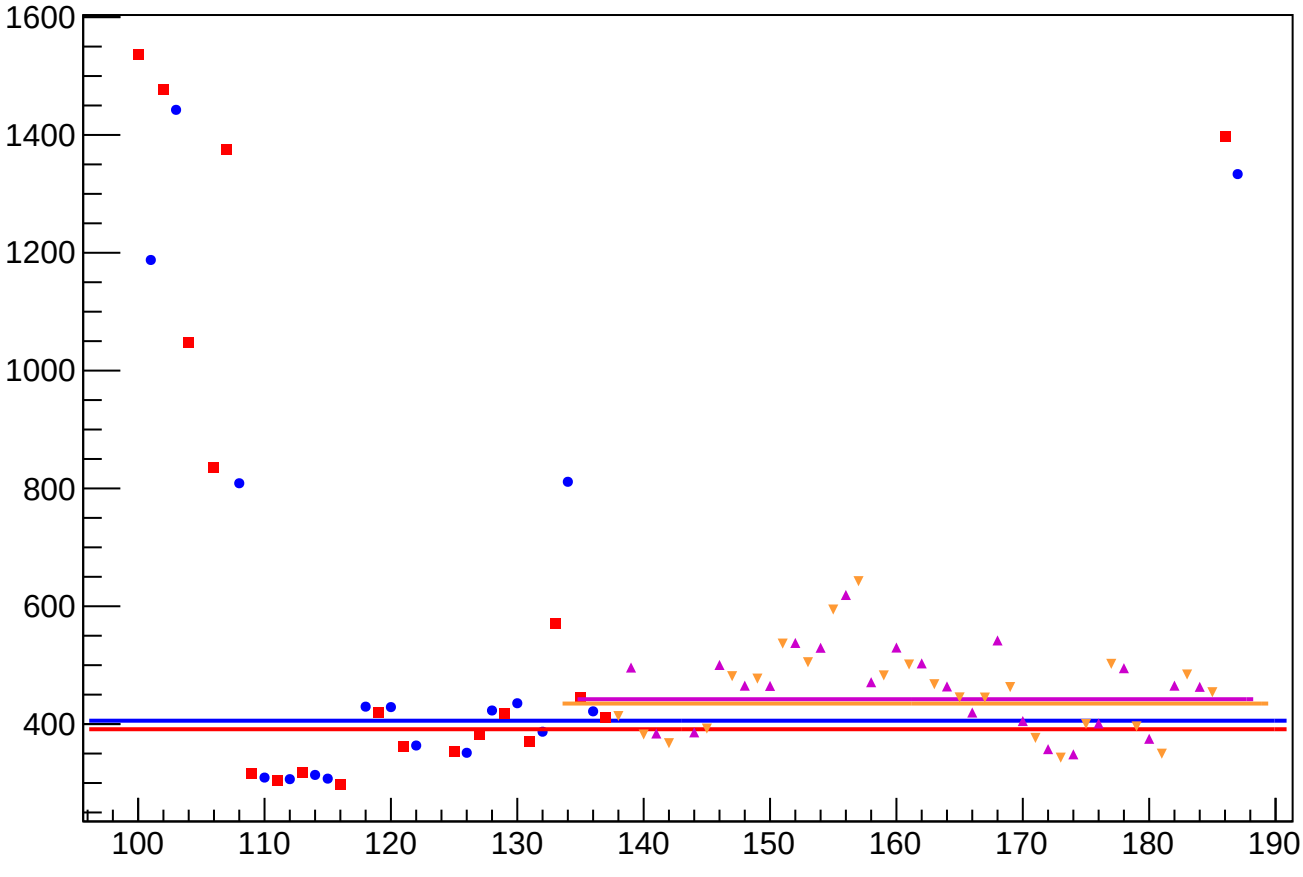
Right: 152.630+/-111.963 χ^2/NDF: 35.8/35

In: 5.967+/-87.794 χ^2/NDF:51.2/39

Out: -152.211+/-85.688 χ^2/NDF:74.8/42

All: -75.042+/-61.322 χ^2/NDF: 127.6/82

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 405.750+/-0.114 χ^2/NDF: 1991337.9/16

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 391.266+/-0.110 χ^2/NDF: 2183701.3/18

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

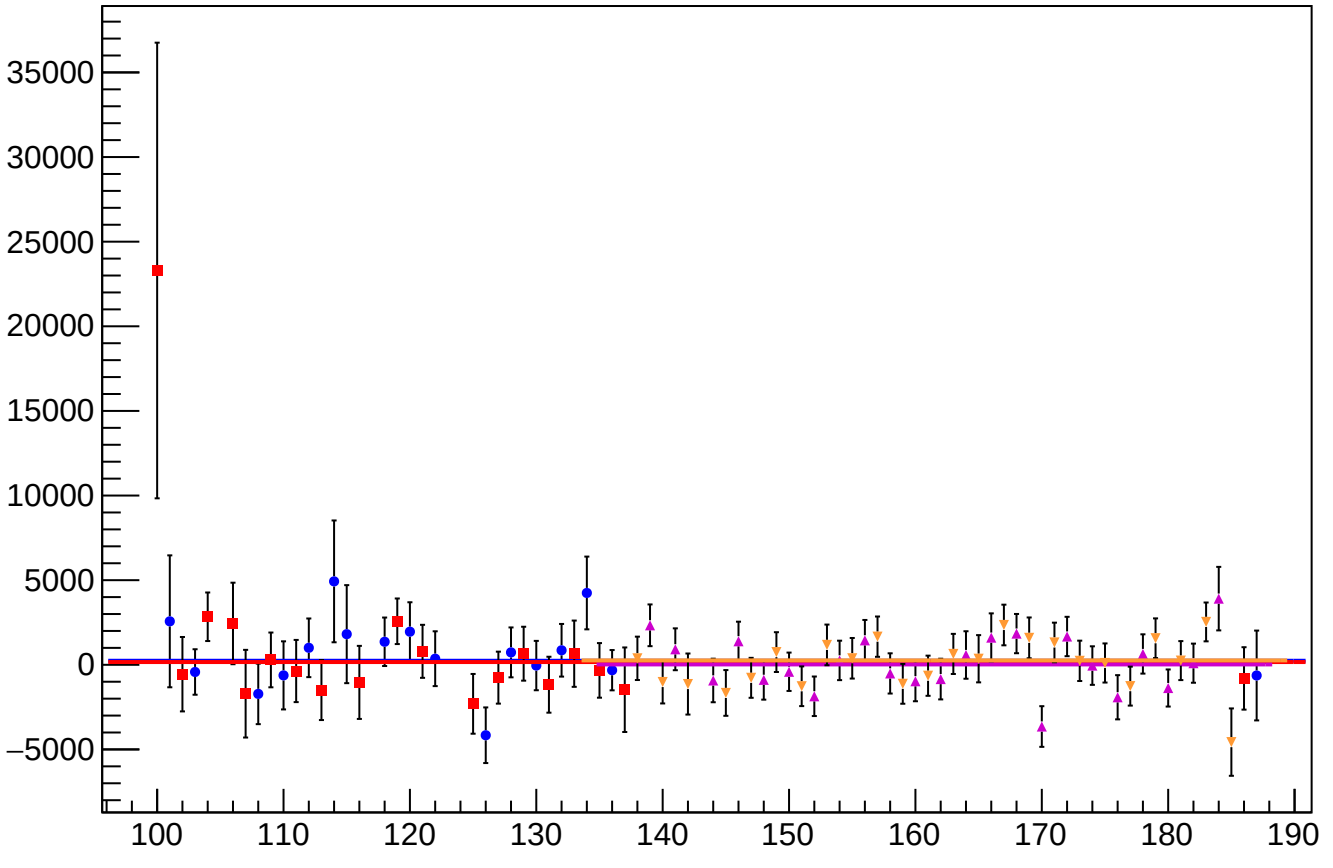
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 398.269+/-0.079 χ^2/NDF: 4183397.5/35

In: 431.369+/-0.062 χ^2/NDF:2889366.1/39

Out: 421.671+/-0.061 χ^2/NDF:3171336.0/42

All: 426.402+/-0.043 χ^2/NDF: 6073200.7/82



Right In: 238.132+/-419.321 χ^2/NDF: 17.0/16

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 162.776+/-415.381 χ^2/NDF: 16.5/18

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

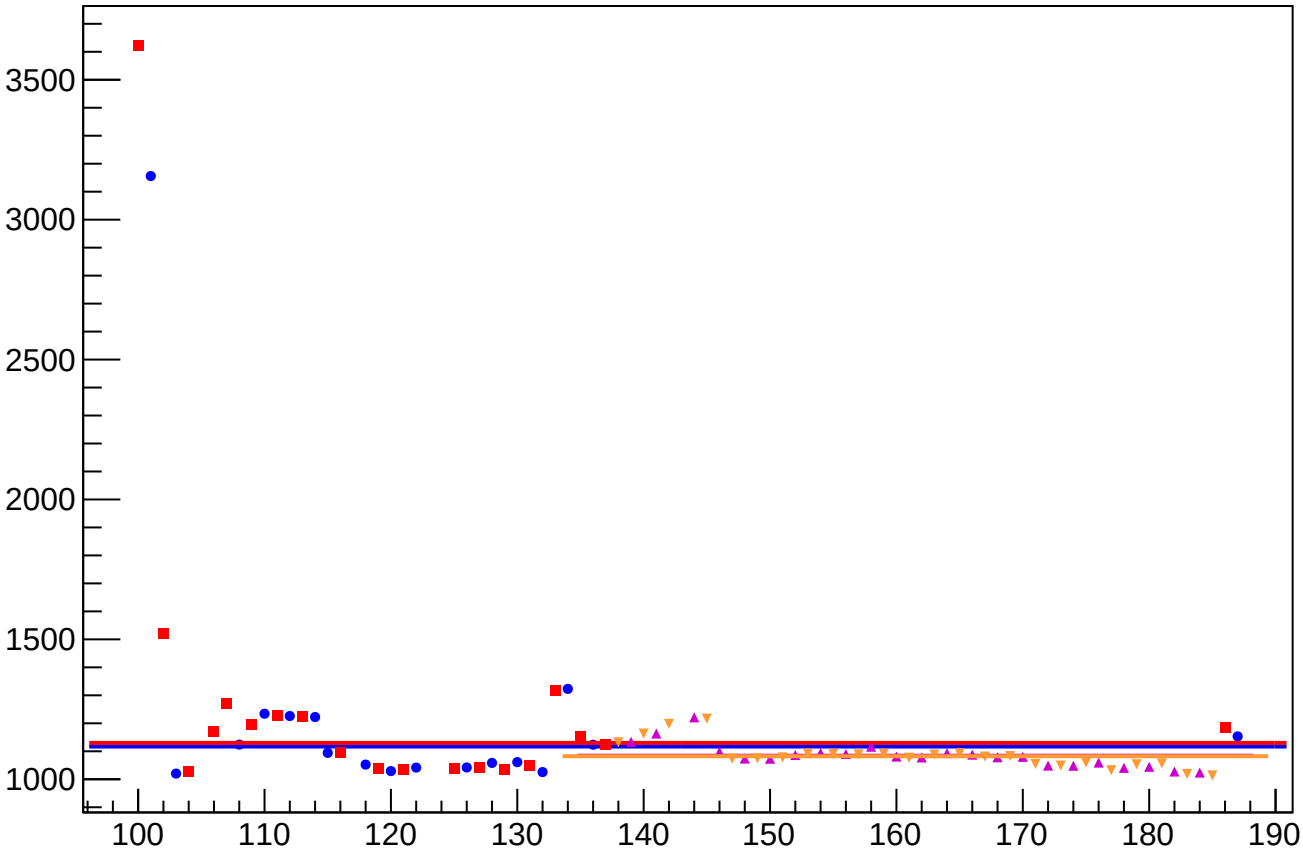
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 200.098+/-295.102 χ^2/NDF: 33.6/35

In: 80.058+/-216.832 χ^2/NDF:53.0/39

Out: 234.402+/-215.077 χ^2/NDF:44.8/42

All: 157.858+/-152.699 χ^2/NDF: 98.1/82



Right In: 1117.018+/-0.297 χ^2/NDF: 623774.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1129.962+/-0.294 χ^2/NDF: 224693.8/18

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

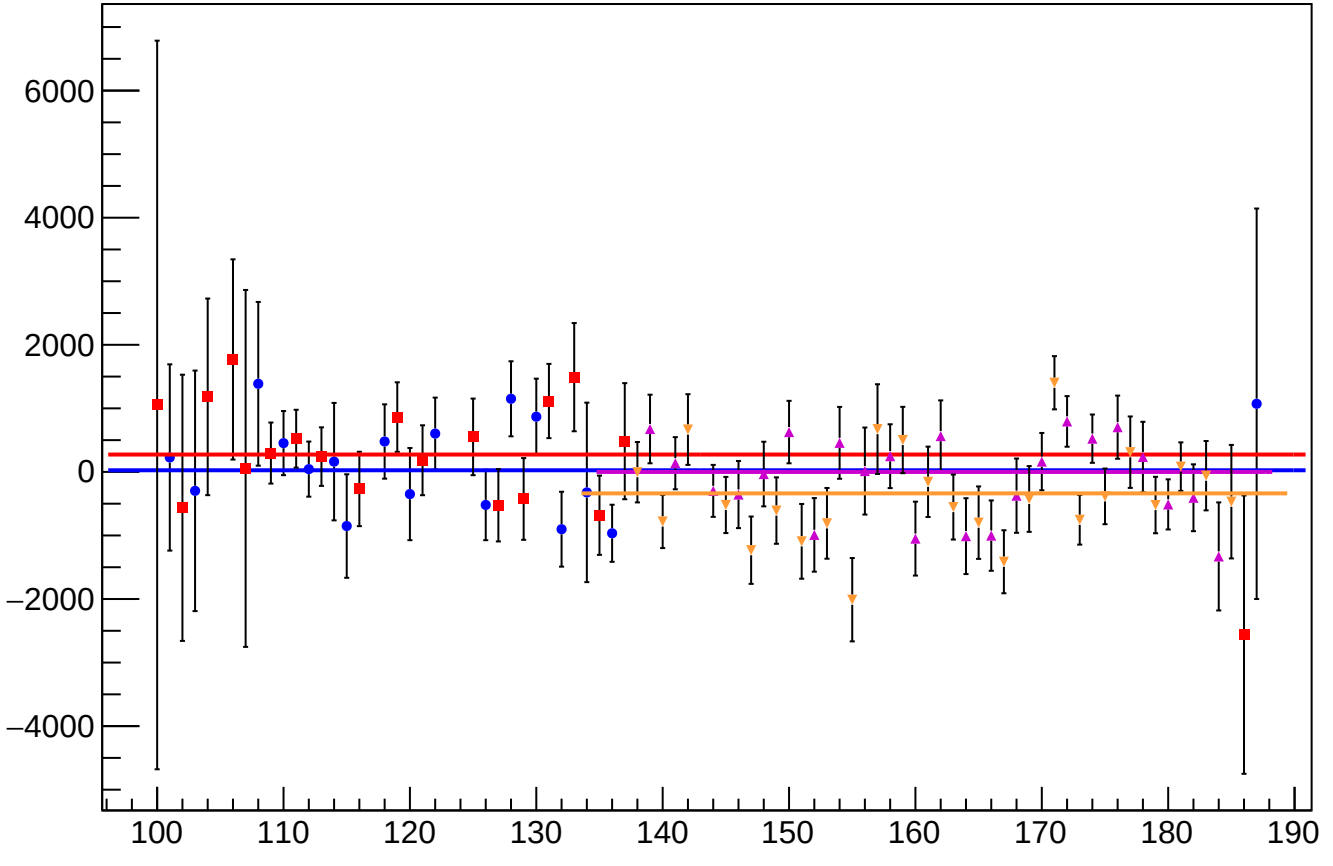
Right: 1123.551+/-0.209 χ^2/NDF: 849430.7/35

In: 1092.951+/-0.153 χ^2/NDF:686207.1/39

Out: 1095.084+/-0.152 χ^2/NDF:301833.2/42

All: 1094.026+/-0.108 χ^2/NDF: 988137.8/82

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 25.805+/-161.017 χ^2/NDF: 19.1/16

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 273.196+/-155.816 χ^2/NDF: 15.3/18

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

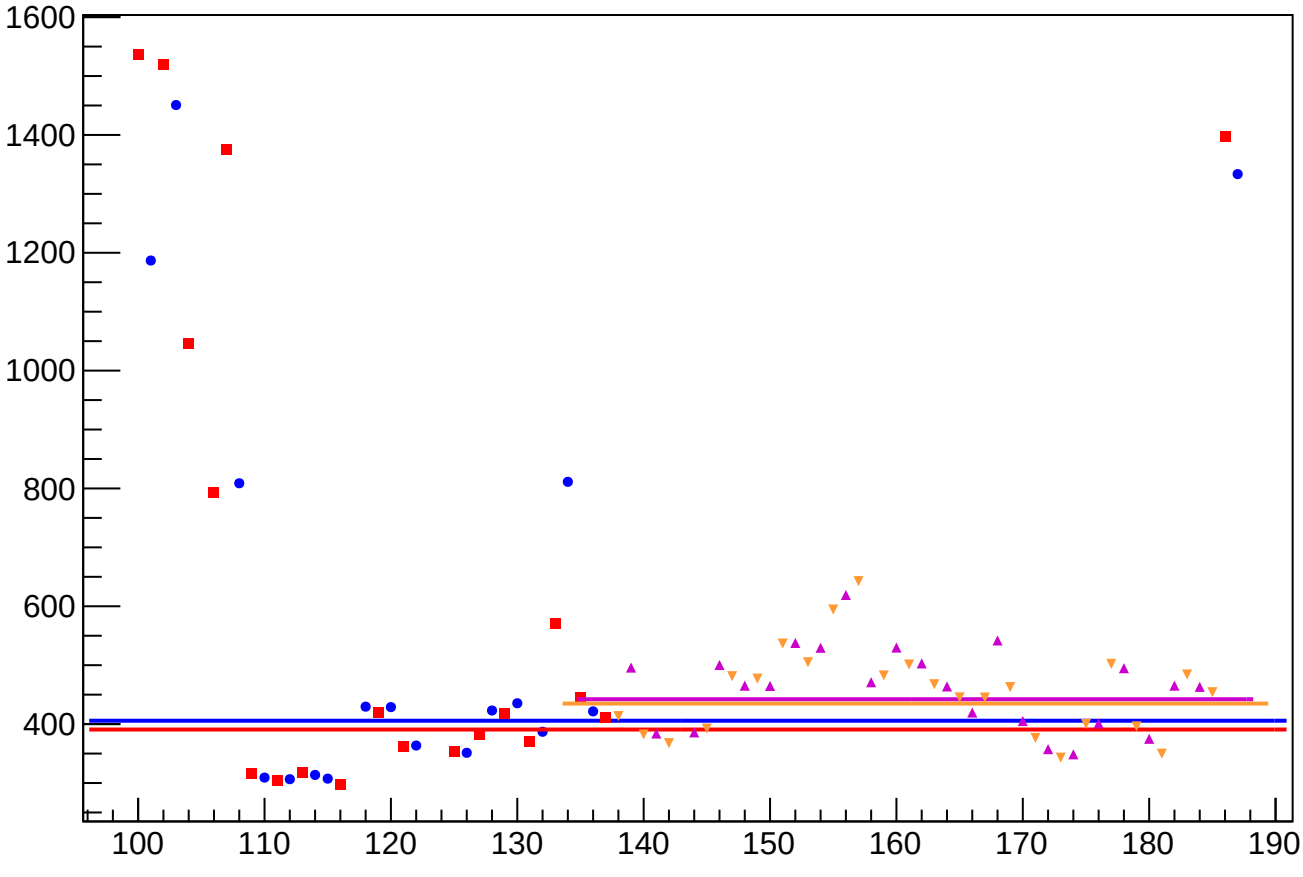
Right: 153.560+/-111.972 χ^2/NDF: 35.6/35

In: 7.274+/-87.795 χ^2/NDF:51.0/39

Out: -153.016+/-85.692 χ^2/NDF:74.9/42

All: -74.814+/-61.323 χ^2/NDF: 127.5/82

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 405.738+/-0.114 χ^2/NDF: 1995021.8/16

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 390.805+/-0.110 χ^2/NDF: 2172126.0/18

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

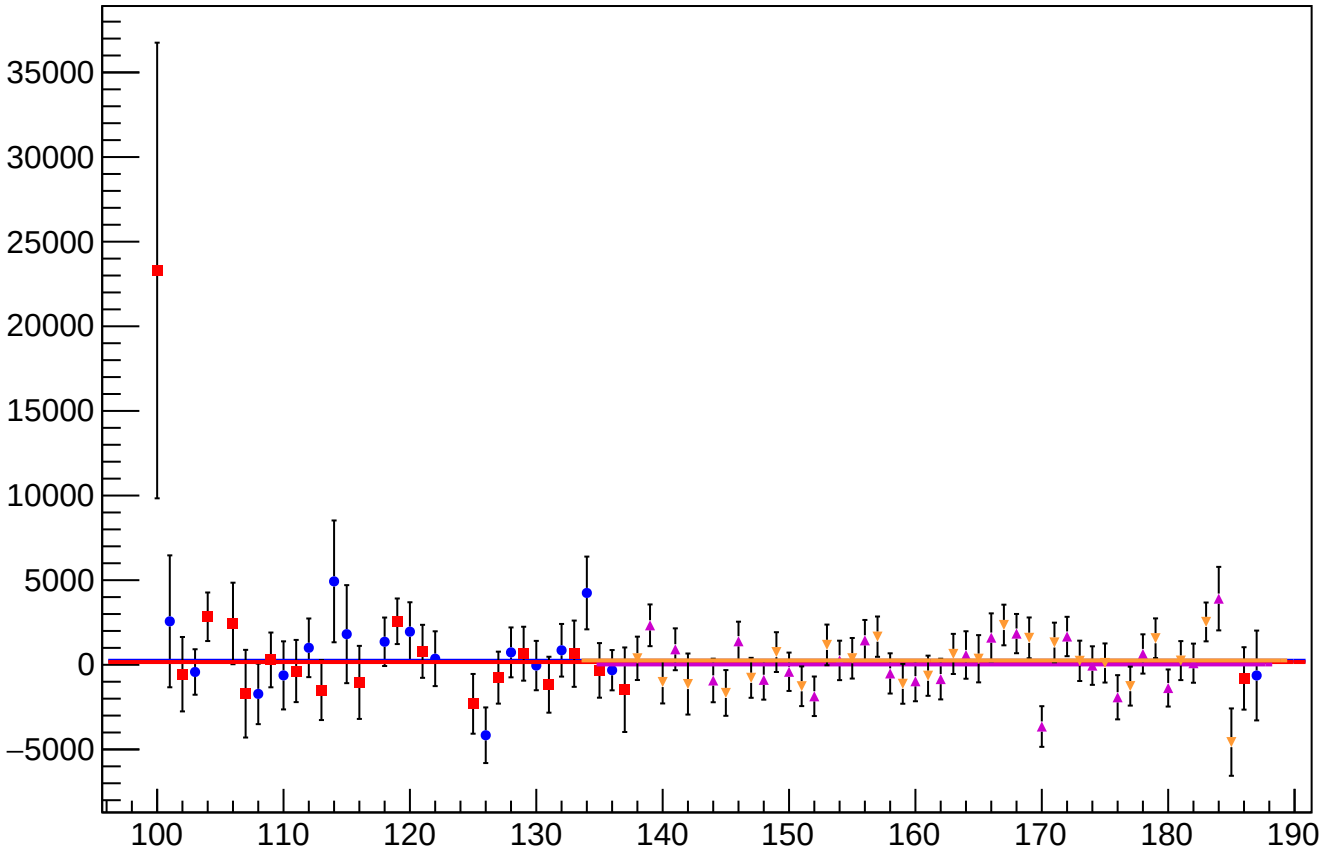
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 398.026+/-0.079 χ^2/NDF: 4176030.7/35

In: 431.367+/-0.062 χ^2/NDF:2892972.8/39

Out: 421.533+/-0.061 χ^2/NDF:3162136.4/42

All: 426.330+/-0.043 χ^2/NDF: 6067959.3/82



Right In: 238.132+/-419.321 χ^2/NDF: 17.0/16

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 162.776+/-415.381 χ^2/NDF: 16.5/18

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

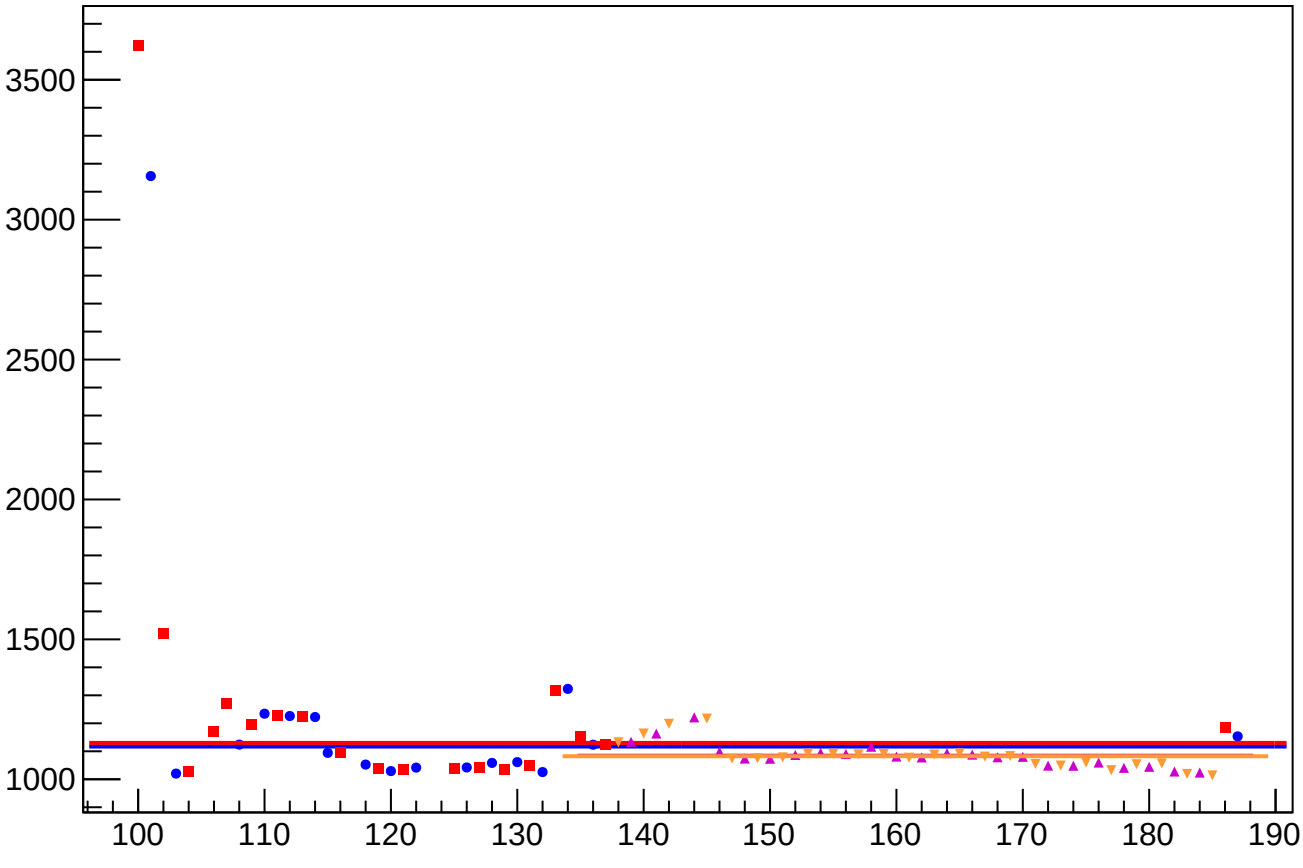
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 200.098+/-295.102 χ^2/NDF: 33.6/35

In: 80.058+/-216.832 χ^2/NDF:53.0/39

Out: 234.402+/-215.077 χ^2/NDF:44.8/42

All: 157.858+/-152.699 χ^2/NDF: 98.1/82



Right In: 1117.018+/-0.297 χ^2/NDF: 623774.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1129.962+/-0.294 χ^2/NDF: 224693.8/18

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

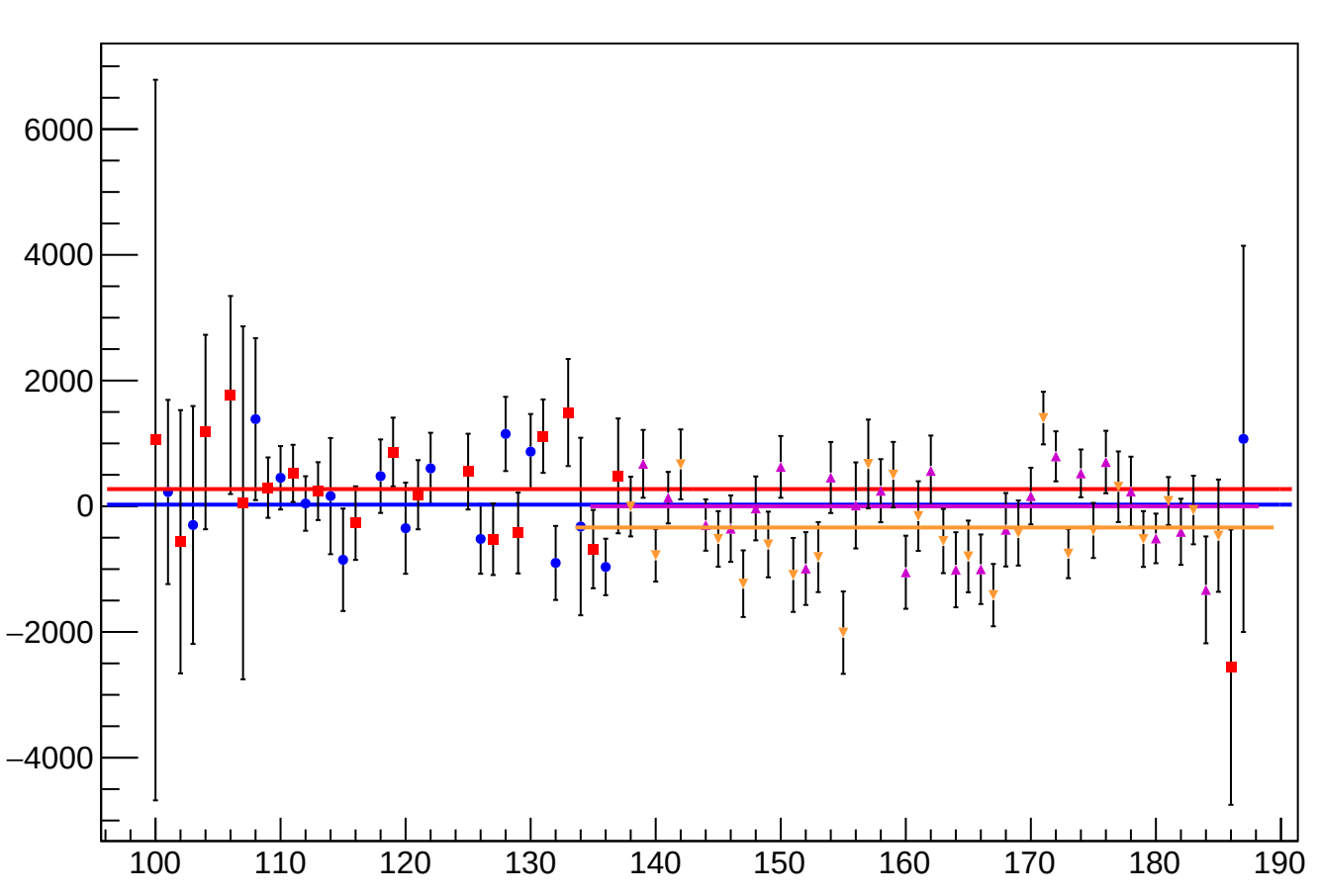
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1123.551+/-0.209 χ^2/NDF: 849430.7/35

In: 1092.951+/-0.153 χ^2/NDF:686207.1/39

Out: 1095.084+/-0.152 χ^2/NDF:301833.2/42

All: 1094.026+/-0.108 χ^2/NDF: 988137.8/82



Right In: 25.805+/-161.017 χ^2/NDF: 19.1/16

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 273.196+/-155.816 χ^2/NDF: 15.3/18

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

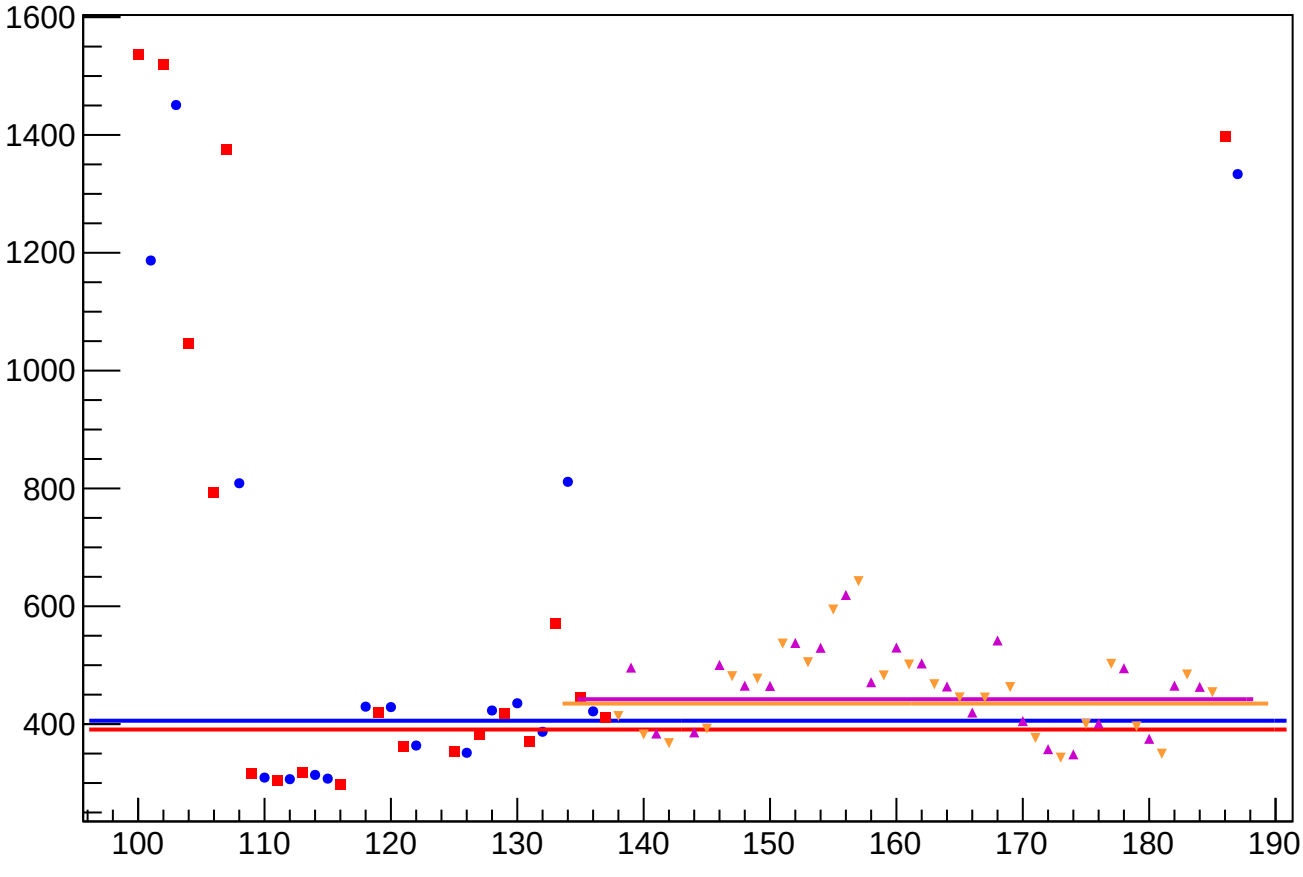
Right: 153.560+/-111.972 χ^2/NDF: 35.6/35

In: 7.274+/-87.795 χ^2/NDF:51.0/39

Out: -153.016+/-85.692 χ^2/NDF:74.9/42

All: -74.814+/-61.323 χ^2/NDF: 127.5/82

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 405.738+/-0.114 χ^2/NDF: 1995021.8/16

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 390.805+/-0.110 χ^2/NDF: 2172126.0/18

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

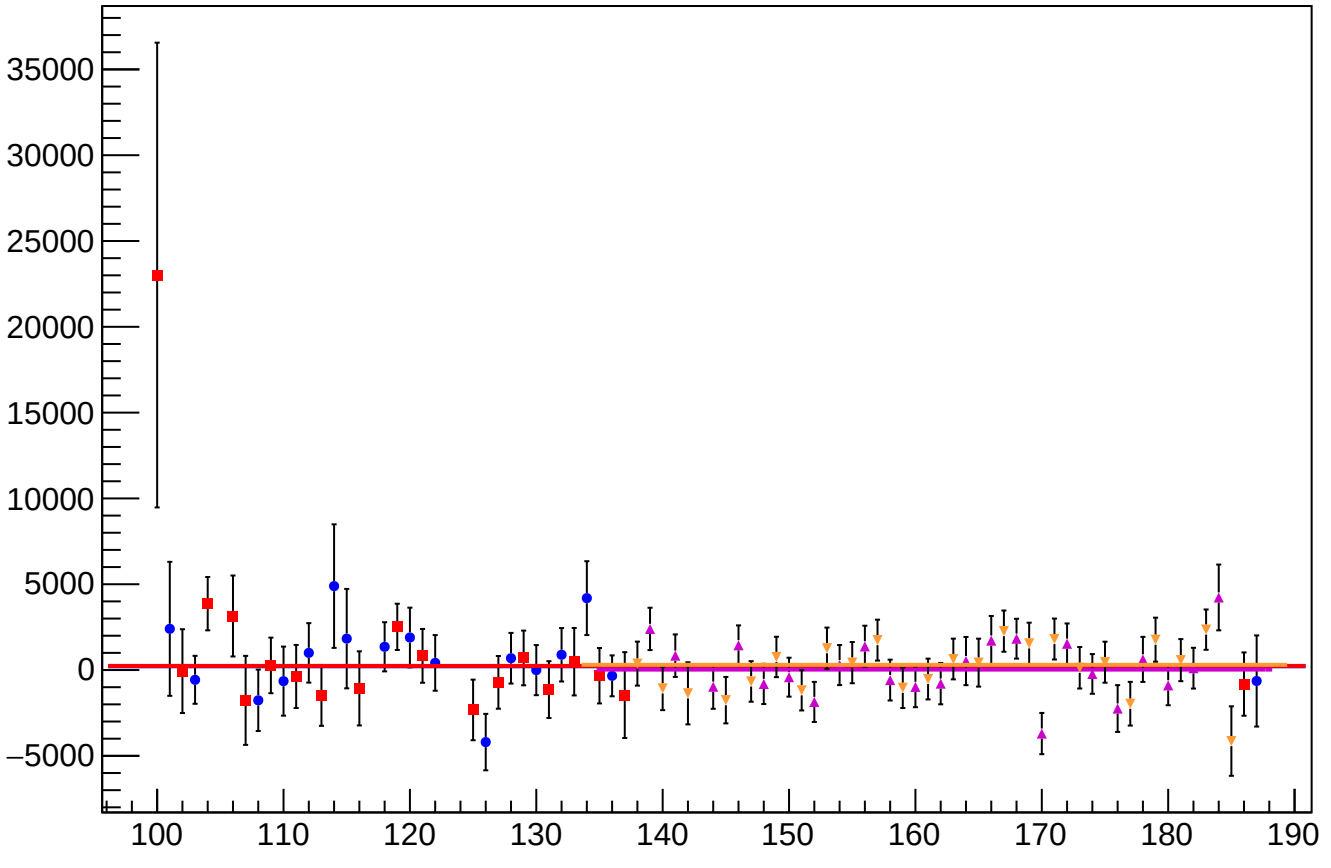
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 398.026+/-0.079 χ^2/NDF: 4176030.7/35

In: 431.367+/-0.062 χ^2/NDF:2892972.8/39

Out: 421.533+/-0.061 χ^2/NDF:3162136.4/42

All: 426.330+/-0.043 χ^2/NDF: 6067959.3/82



Right In: 218.704+/-421.191 χ^2/NDF: 17.1/16

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 241.148+/-419.479 χ^2/NDF: 19.0/18

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

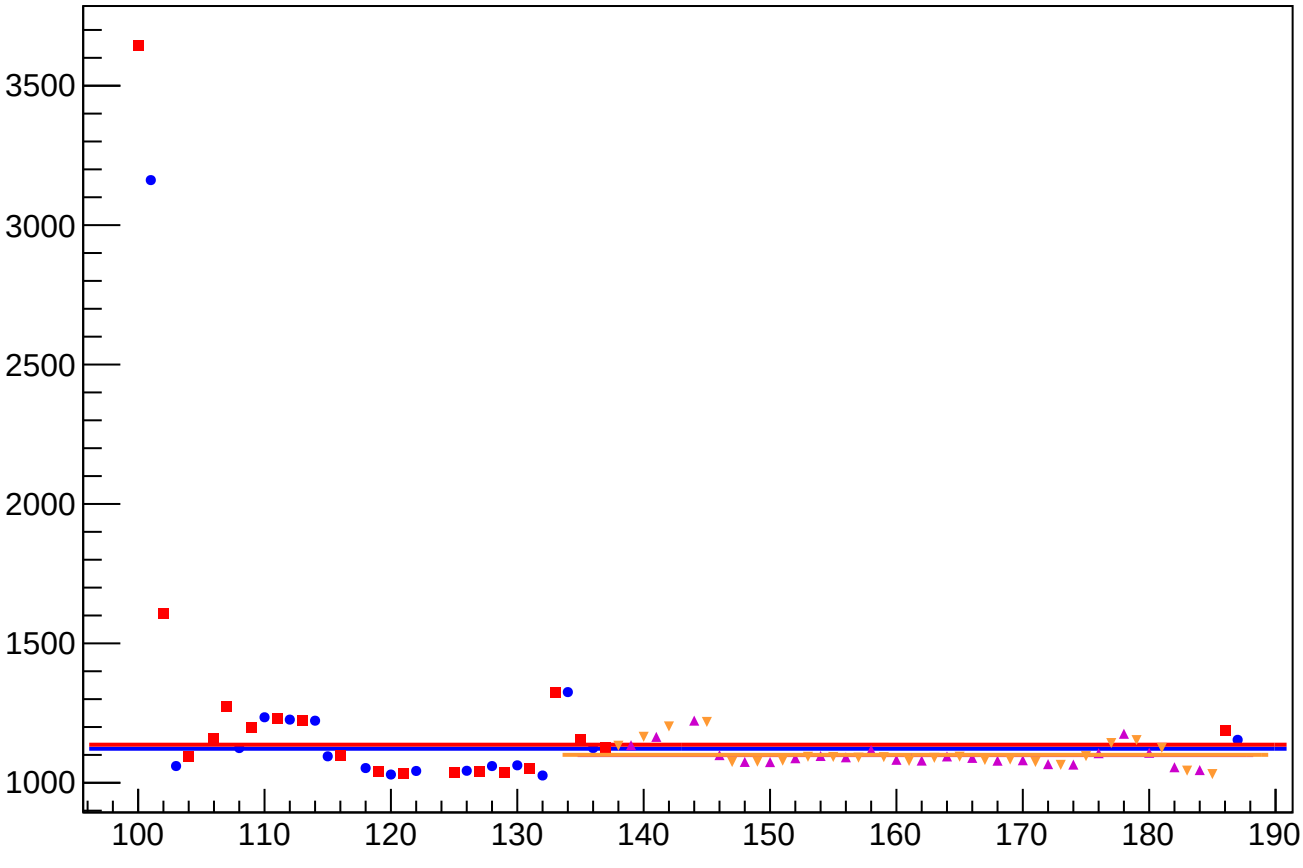
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 229.971+/-297.220 χ^2/NDF: 36.1/35

In: 77.745+/-219.301 χ^2/NDF:53.1/39

Out: 286.552+/-218.245 χ^2/NDF:47.5/42

All: 182.653+/-154.695 χ^2/NDF: 101.1/82



Right In: 1122.119+/-0.298 χ^2/NDF: 617325.5/16

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1136.653+/-0.297 χ^2/NDF: 229002.7/18

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

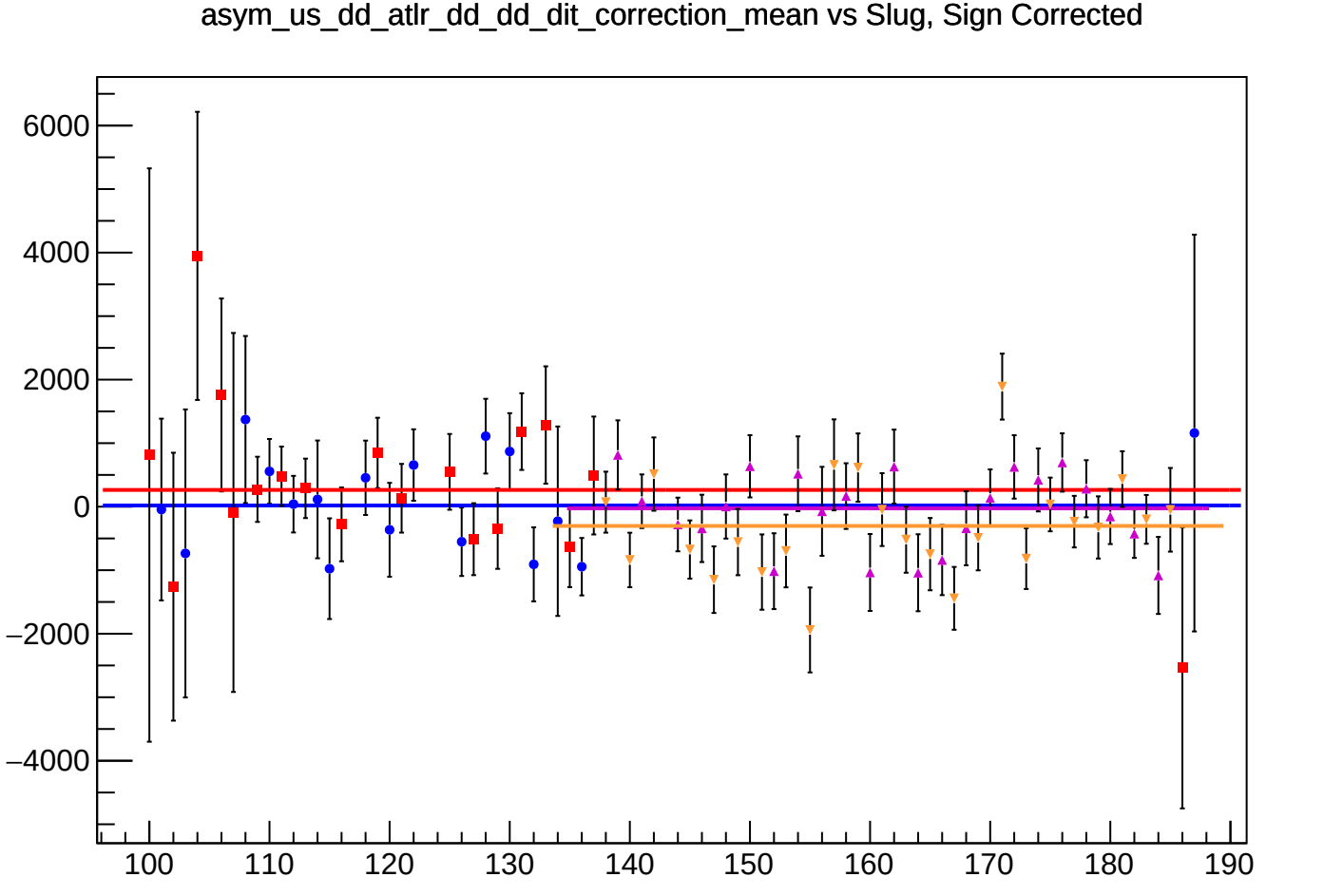
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1129.415+/-0.210 χ^2/NDF: 847523.8/35

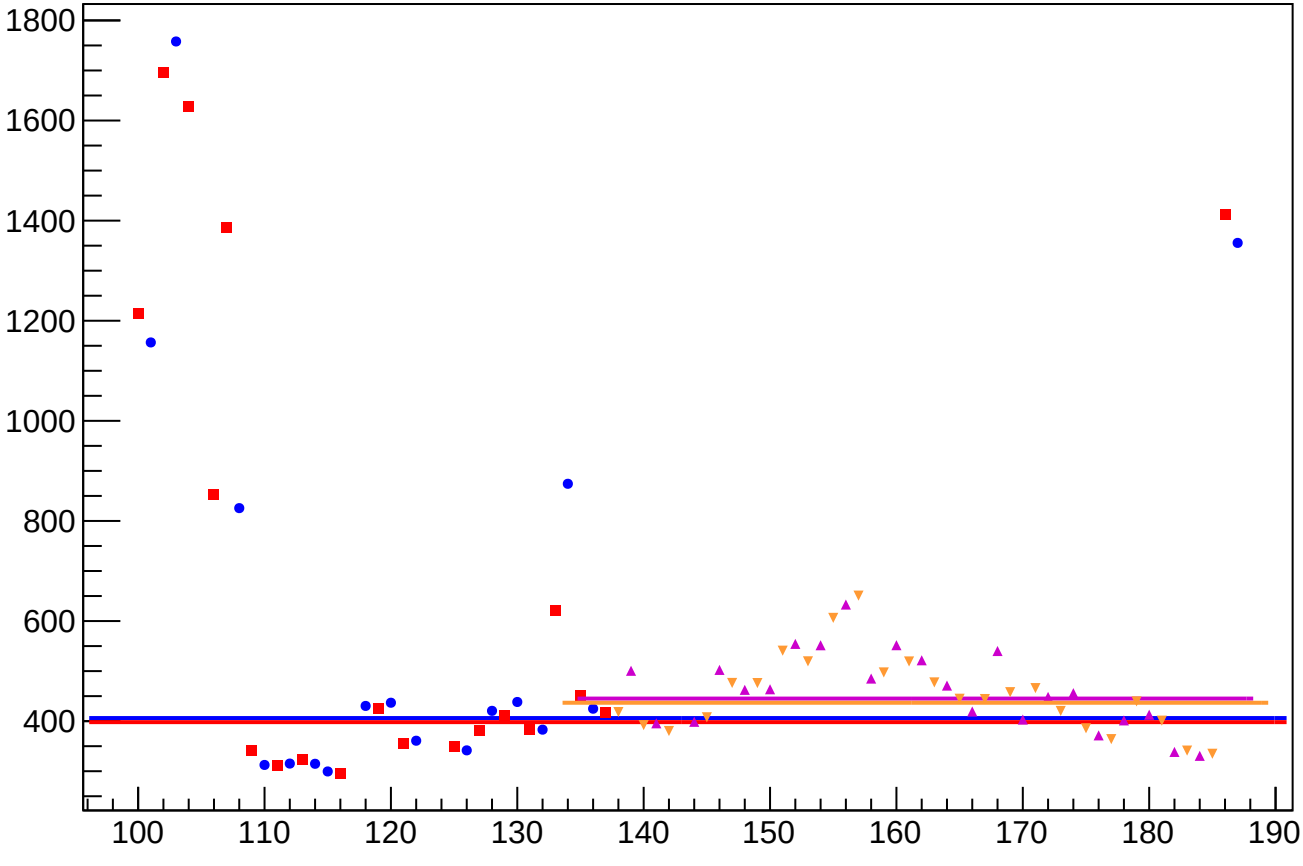
In: 1105.517+/-0.155 χ^2/NDF:666374.3/39

Out: 1110.109+/-0.154 χ^2/NDF:288756.7/42

All: 1107.824+/-0.109 χ^2/NDF: 955571.7/82


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
170
180
190
Right In: 18.354+/-161.629 χ²/NDF: 19.8/16
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: 263.790+/-158.419 χ²/NDF: 16.7/18
Left In: -26.740+/-105.420 χ²/NDF:27.9/22
Left: -168.216+/-73.665 χ²/NDF: 80.9/46
Right: 143.533+/-113.137 χ²/NDF: 37.6/35
In: -13.281+/-88.299 χ²/NDF:47.7/39
Out: -134.793+/-86.341 χ²/NDF:75.2/42
All: -75.399+/-61.733 χ²/NDF: 123.9/82

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 406.205+/-0.114 χ^2/NDF: 2114856.5/16

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 398.050+/-0.112 χ^2/NDF: 2625795.2/18

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

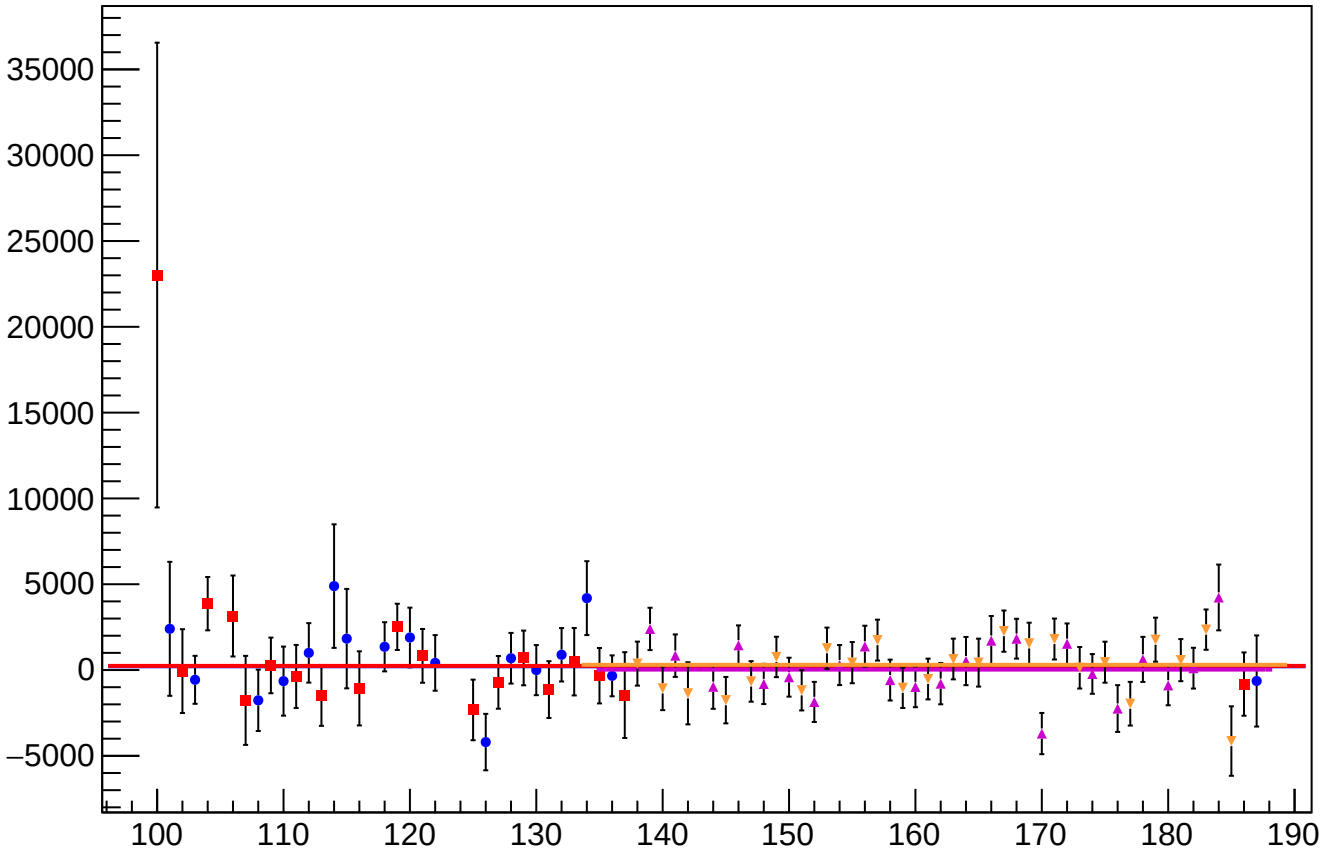
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 402.045+/-0.080 χ^2/NDF: 4743248.4/35

In: 433.498+/-0.062 χ^2/NDF:3070682.5/39

Out: 425.280+/-0.061 χ^2/NDF:3565064.2/42

All: 429.297+/-0.044 χ^2/NDF: 6644601.7/82



Right In: 218.706+/-421.191 χ^2/NDF: 17.1/16

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 241.149+/-419.479 χ^2/NDF: 19.0/18

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

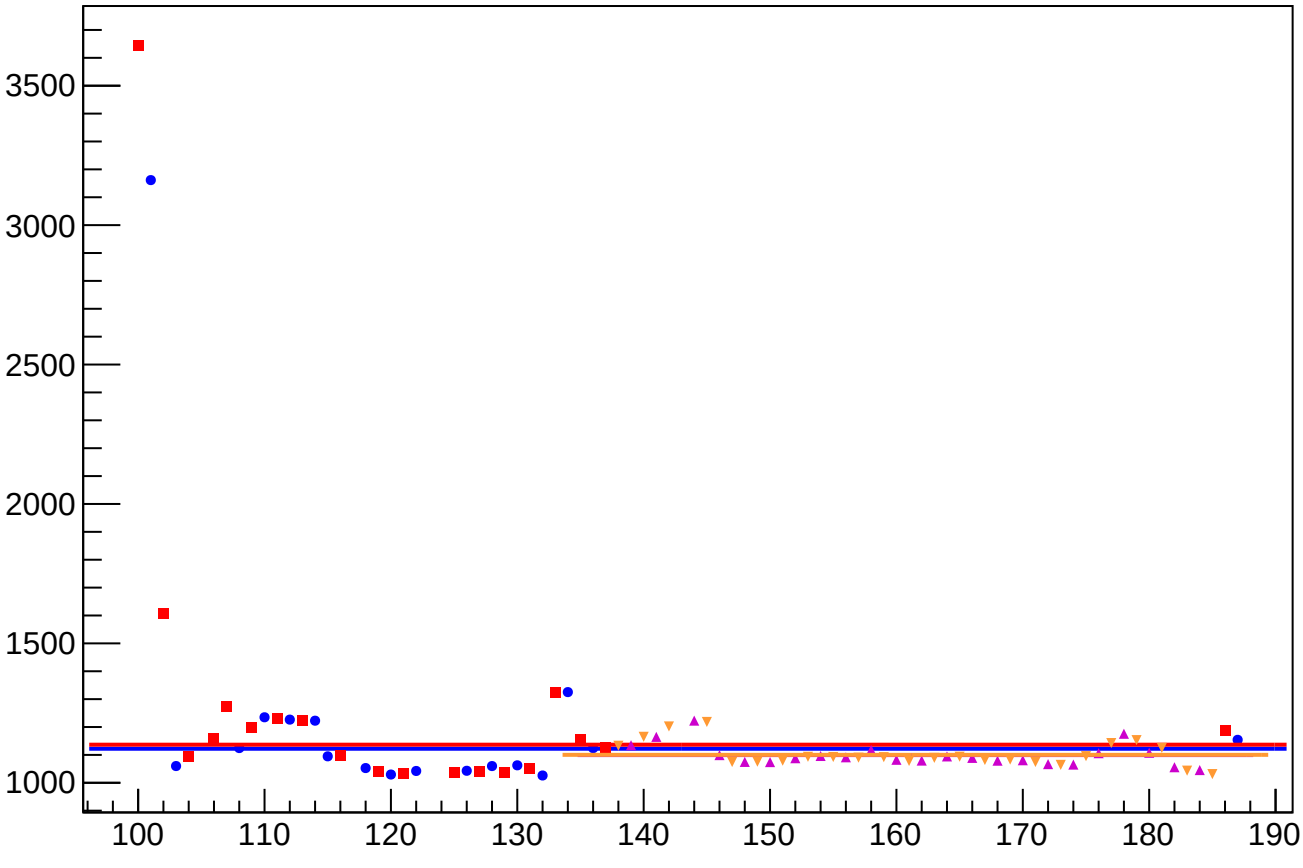
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 229.973+/-297.220 χ^2/NDF: 36.1/35

In: 77.746+/-219.301 χ^2/NDF:53.1/39

Out: 286.551+/-218.245 χ^2/NDF:47.5/42

All: 182.653+/-154.695 χ^2/NDF: 101.1/82



Right In: 1122.119+/-0.298 χ^2/NDF: 617325.5/16

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1136.653+/-0.297 χ^2/NDF: 229002.8/18

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

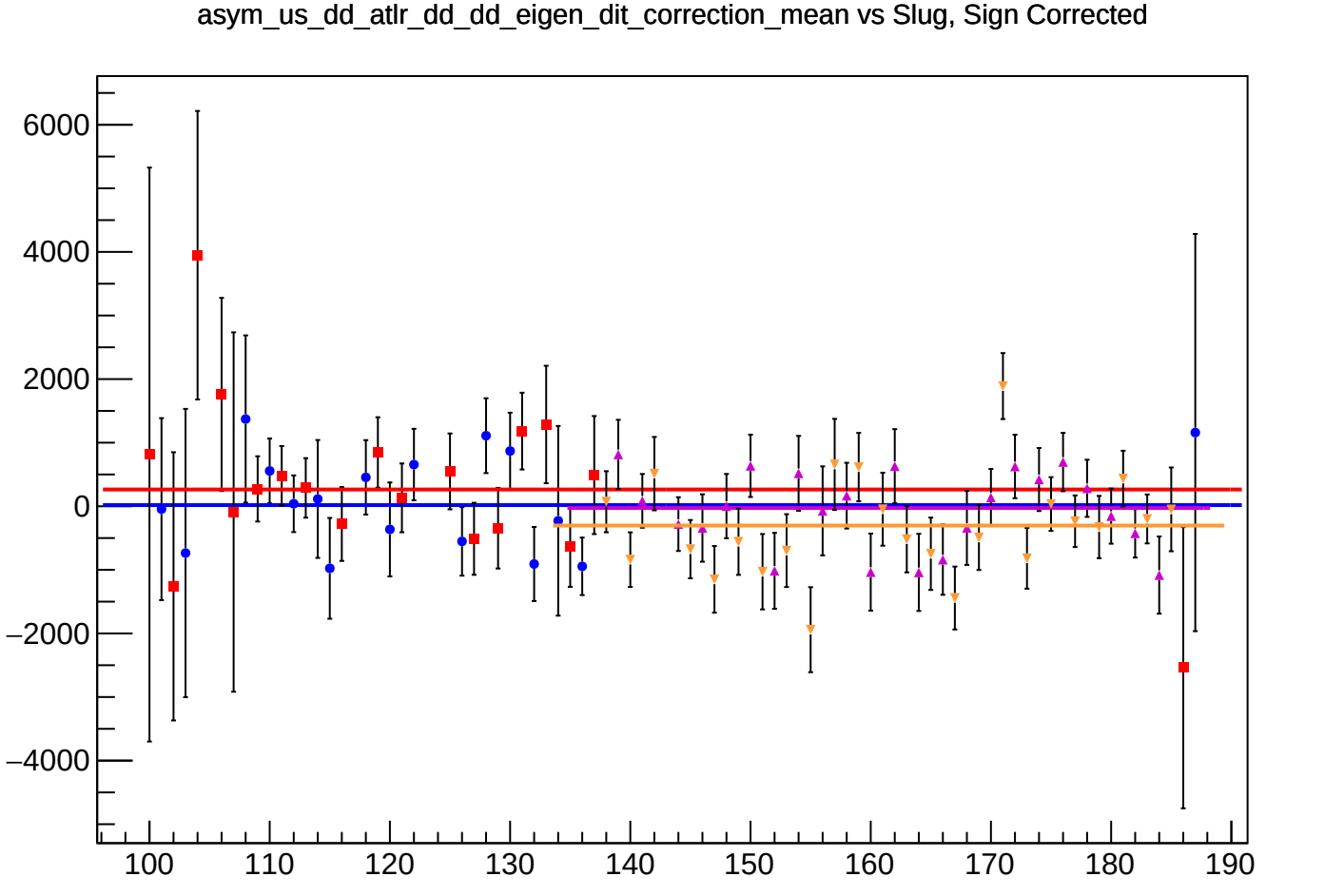
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

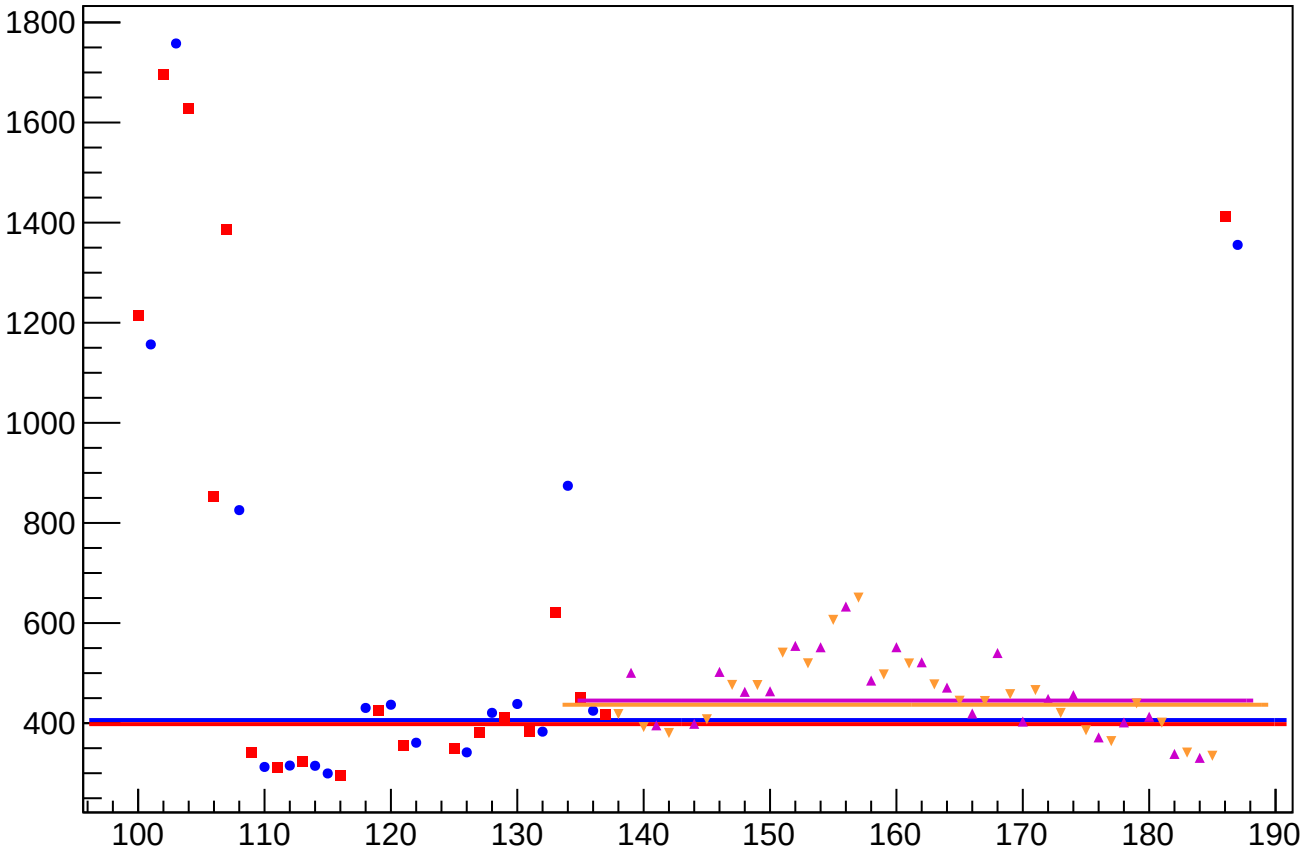
Right: 1129.415+/-0.210 χ^2/NDF: 847523.9/35

In: 1105.517+/-0.155 χ^2/NDF:666374.4/39

Out: 1110.110+/-0.154 χ^2/NDF:288757.0/42

All: 1107.824+/-0.109 χ^2/NDF: 955572.1/82


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
170
180
190
Right In: 18.350+/-161.627 χ²/NDF: 19.8/16
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 263.788+/-158.418 χ²/NDF: 16.7/18
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 143.530+/-113.136 χ²/NDF: 37.6/35
In: -13.282+/-88.298 χ²/NDF:47.7/39
Out: -134.793+/-86.341 χ²/NDF:75.2/42
All: -75.400+/-61.733 χ²/NDF: 123.9/82



Right In: 406.202+/-0.114 χ^2/NDF: 2114852.4/16

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 398.046+/-0.112 χ^2/NDF: 2625803.1/18

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

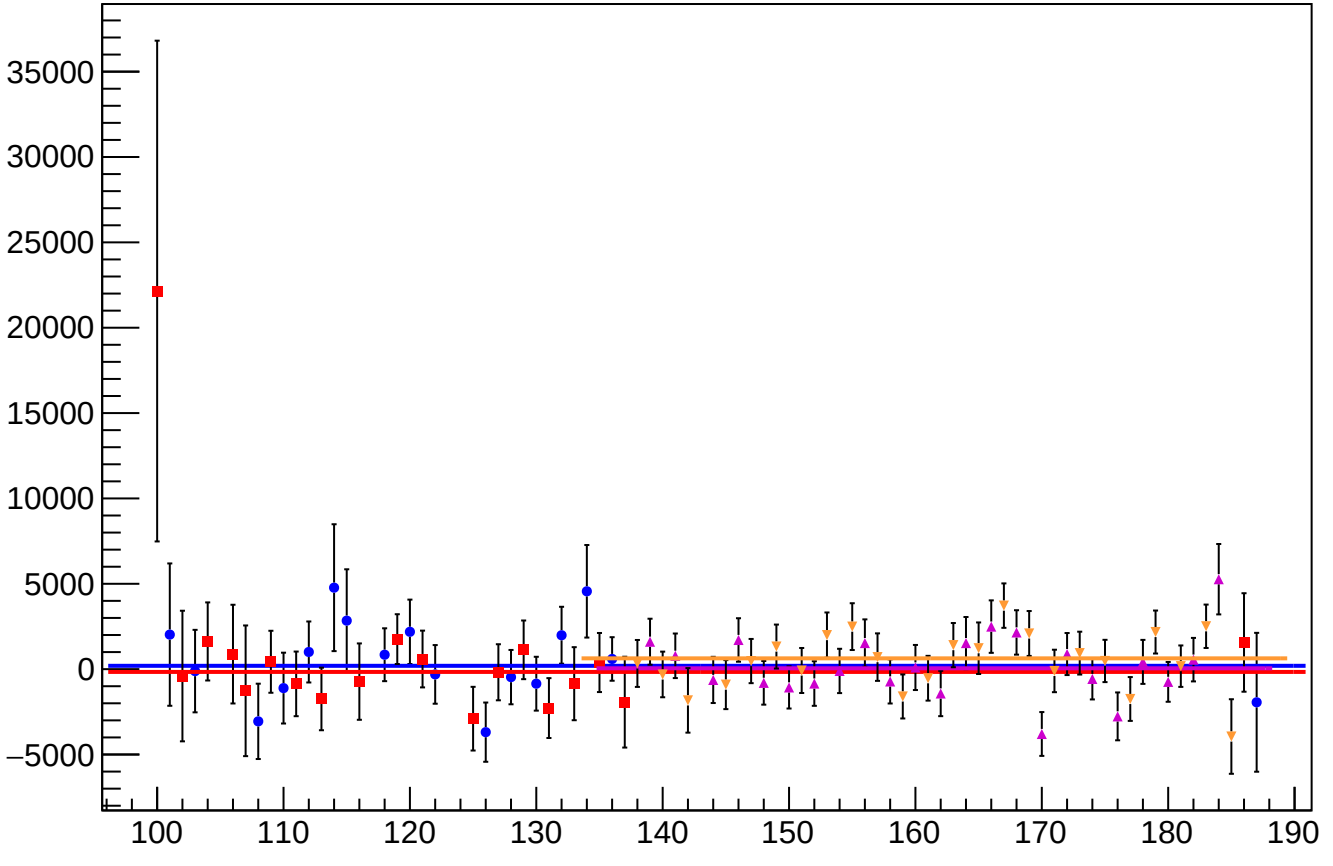
Right: 402.042+/-0.080 χ^2/NDF: 4743252.5/35

In: 433.497+/-0.062 χ^2/NDF:3070724.0/39

Out: 425.279+/-0.061 χ^2/NDF:3565115.8/42

All: 429.296+/-0.044 χ^2/NDF: 6644695.0/82

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 195.732+/-471.361 χ^2/NDF: 16.4/16

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -162.413+/-471.397 χ^2/NDF: 11.3/18

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

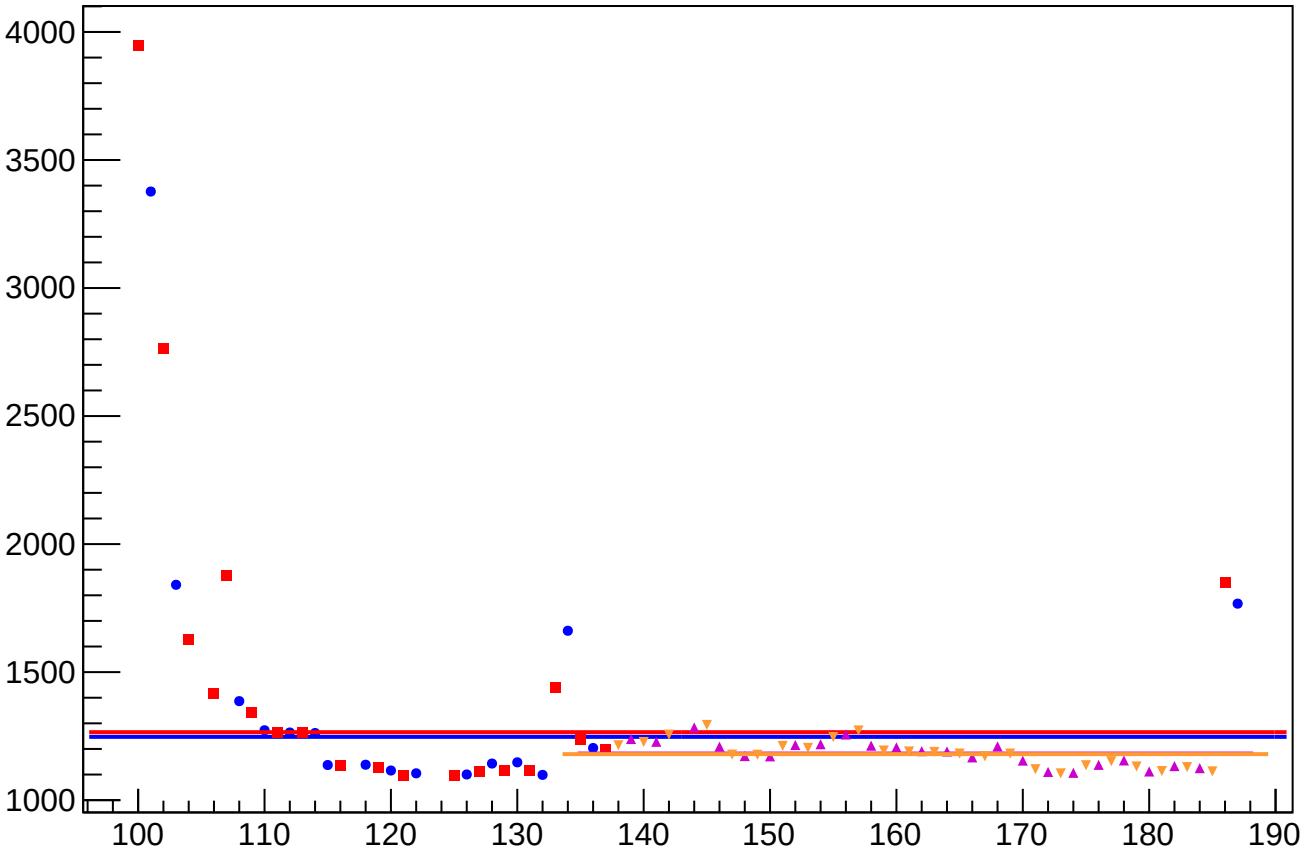
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 16.673+/-333.315 χ^2/NDF: 28.0/35

In: 87.873+/-238.311 χ^2/NDF:51.5/39

Out: 431.972+/-236.929 χ^2/NDF:43.6/42

All: 260.923+/-168.020 χ^2/NDF: 96.1/82



Right In: 1247.221+/-0.333 χ^2/NDF: 815839.1/16

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1265.444+/-0.333 χ^2/NDF: 690430.4/18

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

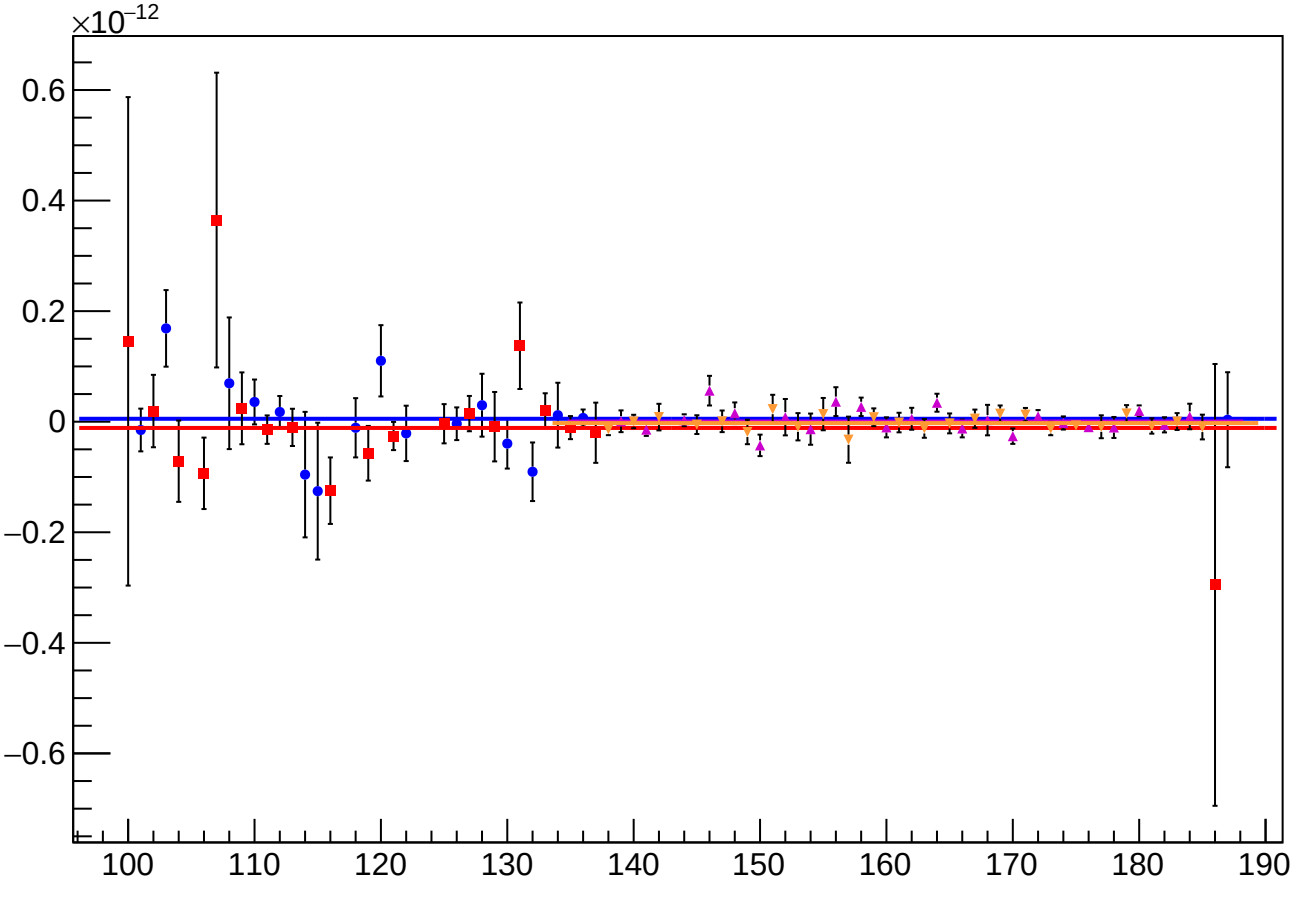
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1256.332+/-0.236 χ^2/NDF: 1507764.0/35

In: 1198.618+/-0.169 χ^2/NDF:904760.7/39

Out: 1201.370+/-0.168 χ^2/NDF:804537.6/42

All: 1200.002+/-0.119 χ^2/NDF: 1709432.4/82



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

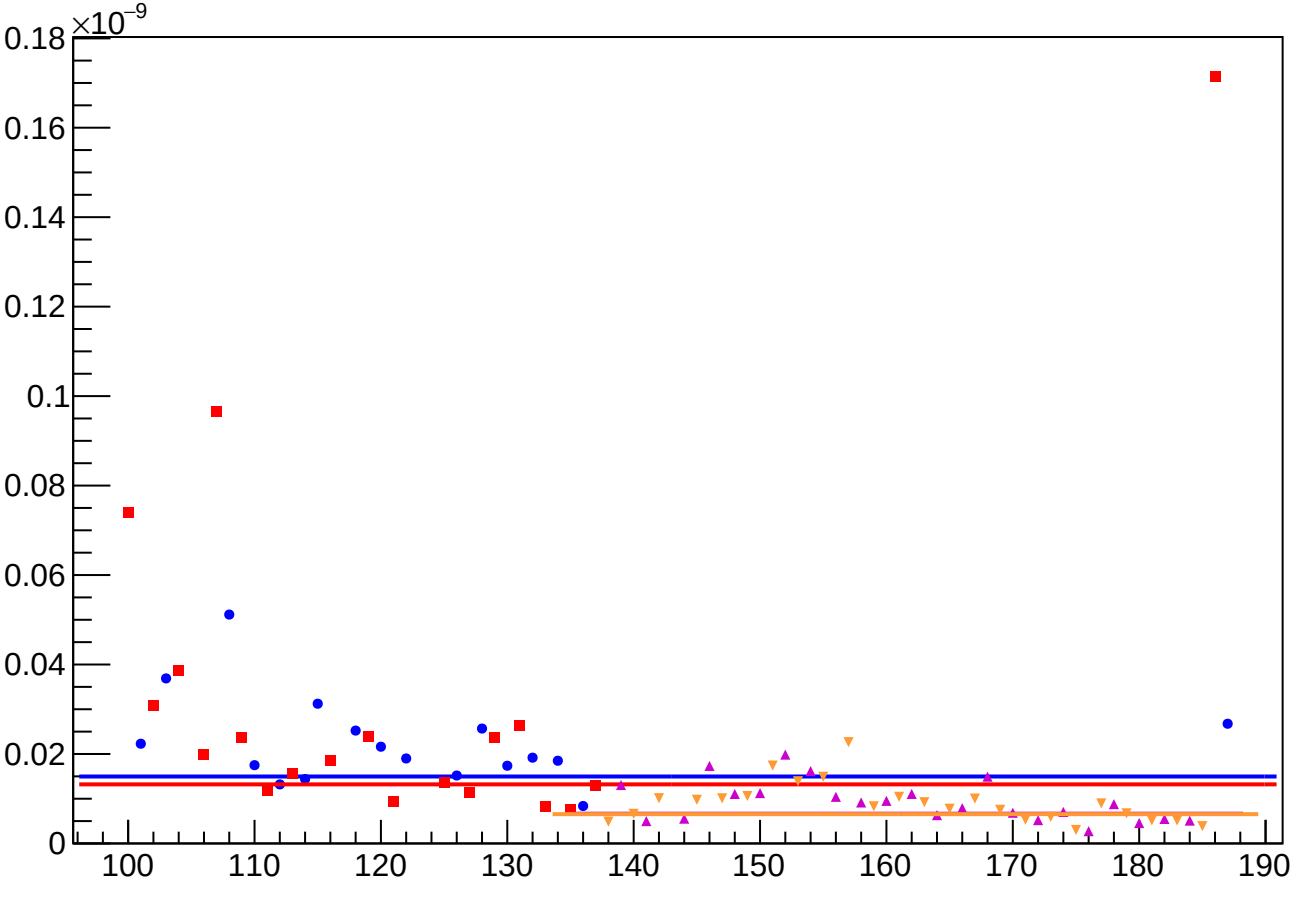
Right: -0.000+/-0.000 χ^2/NDF: 33.4/35

In: 0.000+/-0.000 χ^2/NDF:49.1/39

Out: -0.000+/-0.000 χ^2/NDF:26.8/42

All: -0.000+/-0.000 χ^2/NDF: 76.9/82

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1119624.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1496122.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

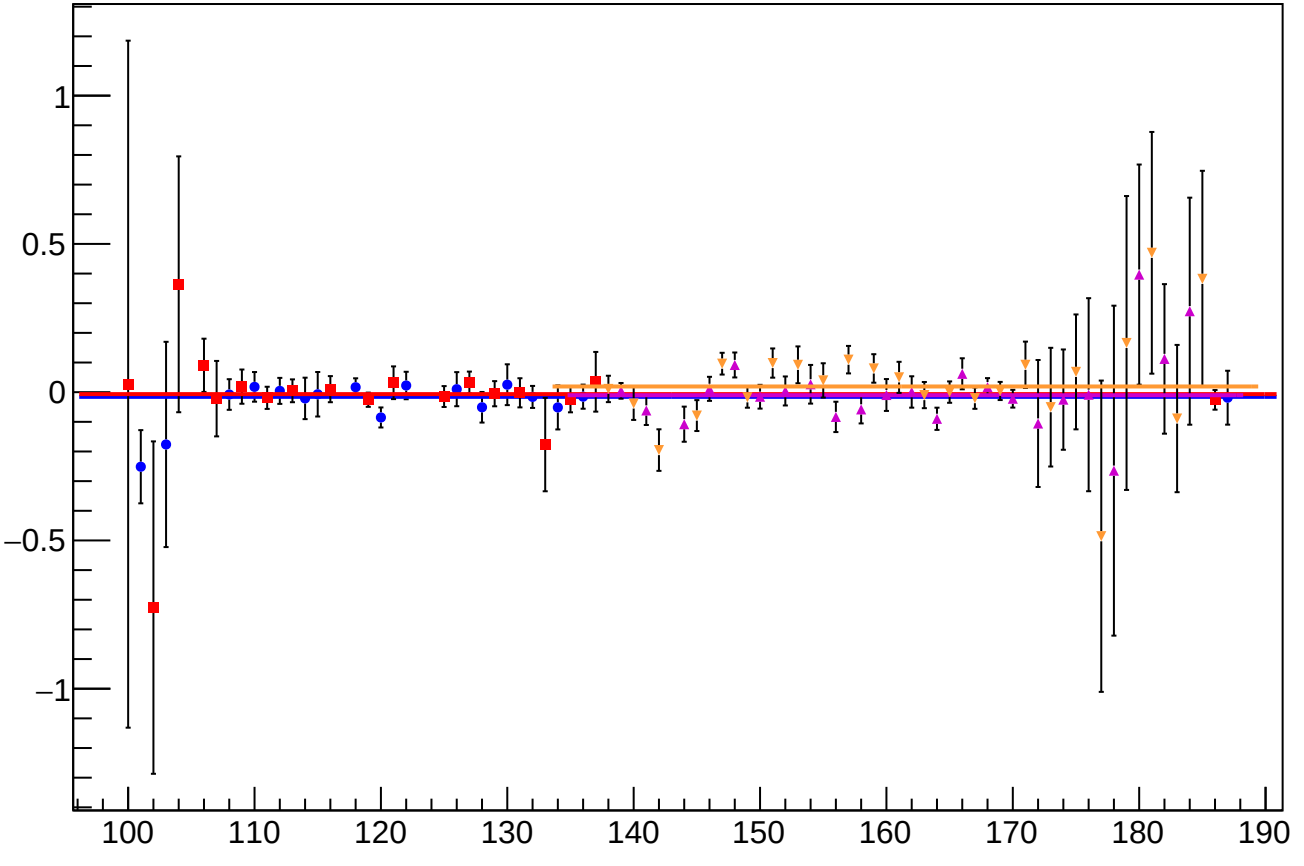
Right: 0.000+/-0.000 χ^2/NDF: 2650176.6/35

In: 0.000+/-0.000 χ^2/NDF:5026373.3/39

Out: 0.000+/-0.000 χ^2/NDF:4744390.4/42

All: 0.000+/-0.000 χ^2/NDF: 9778083.4/82

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

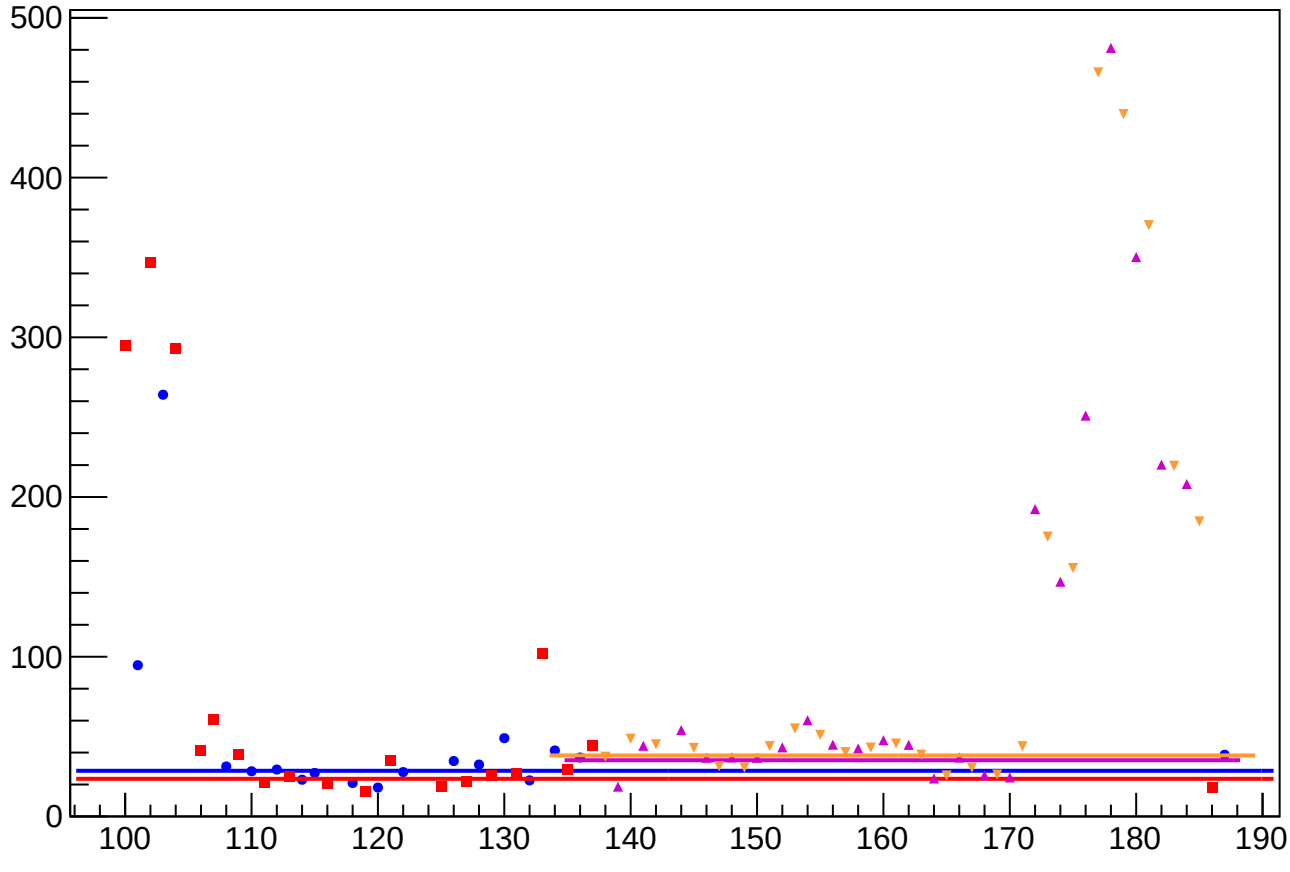
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.011+/-0.008 χ^2/NDF: 20.5/35

In: -0.013+/-0.008 χ^2/NDF:35.6/39

Out: 0.006+/-0.008 χ^2/NDF:47.0/42

All: -0.003+/-0.005 χ^2/NDF: 85.6/82



Right In: 28.595+/-0.009 χ^2/NDF: 2270442.0/16

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 23.571+/-0.008 χ^2/NDF: 2980622.6/18

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

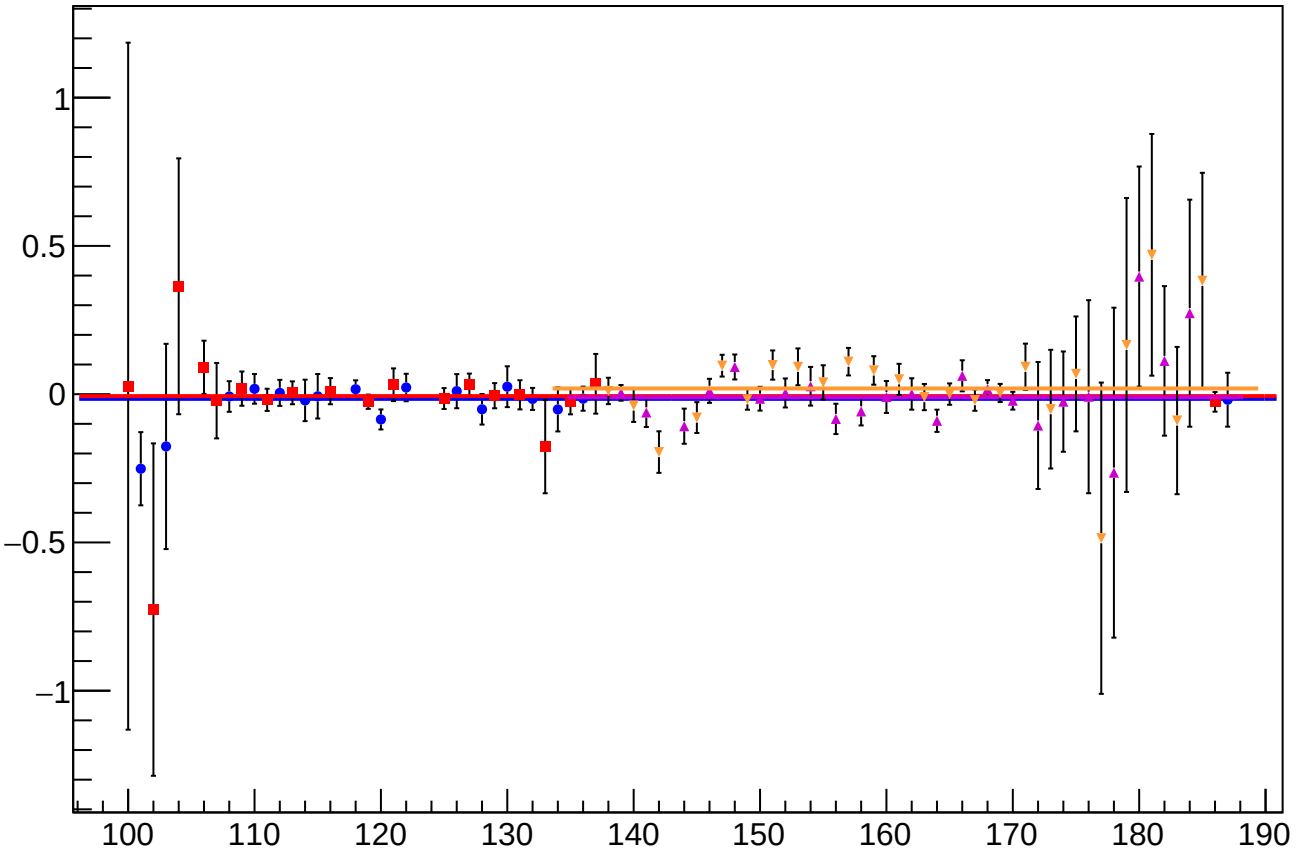
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 25.782+/-0.006 χ^2/NDF: 5441105.7/35

In: 32.459+/-0.006 χ^2/NDF:12004291.3/39

Out: 30.893+/-0.005 χ^2/NDF:13100020.6/42

All: 31.655+/-0.004 χ^2/NDF: 25145133.7/82



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

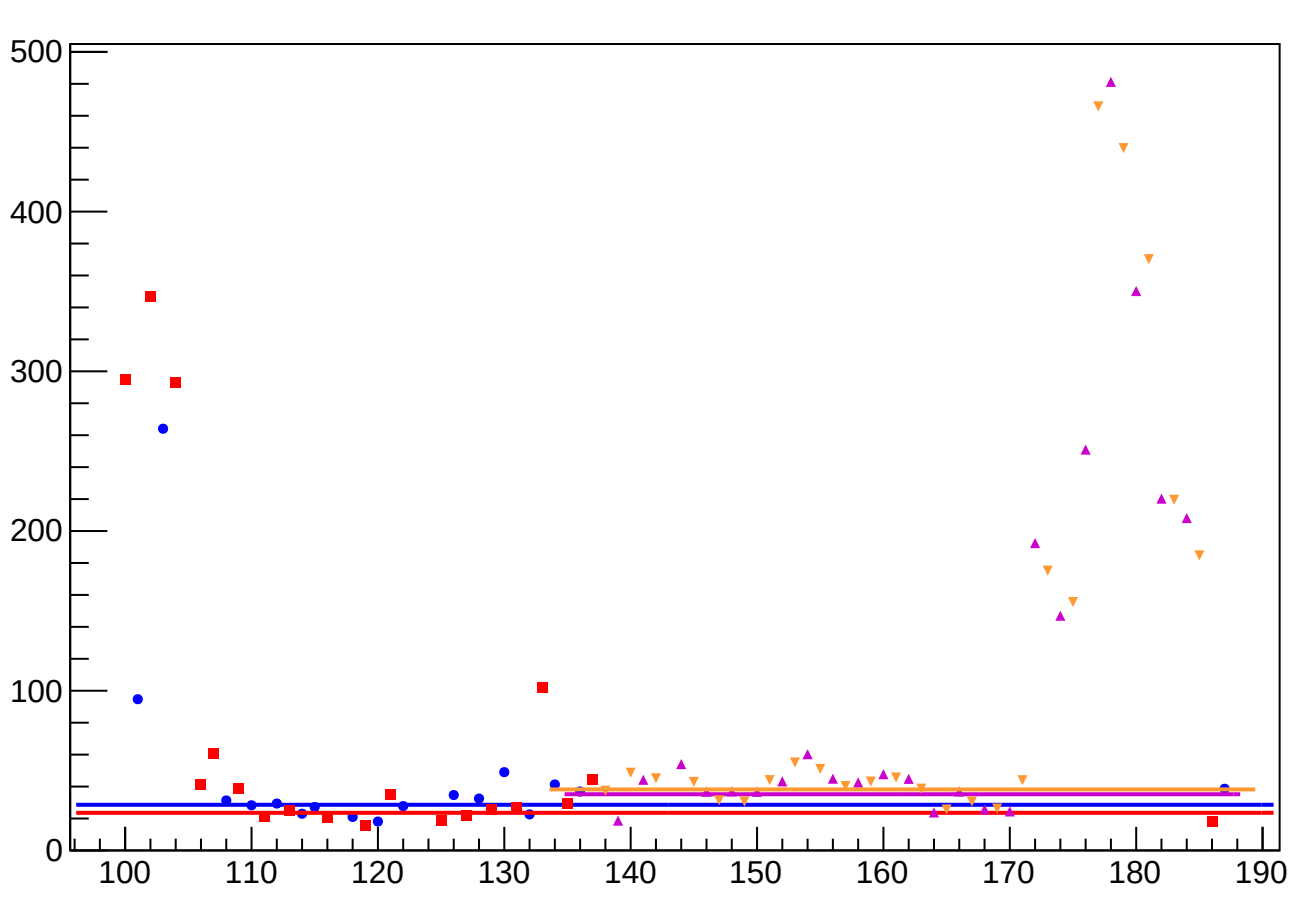
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.011+/-0.008 χ^2/NDF: 20.5/35

In: -0.013+/-0.008 χ^2/NDF:35.6/39

Out: 0.006+/-0.008 χ^2/NDF:47.0/42

All: -0.003+/-0.005 χ^2/NDF: 85.6/82



Right In: 28.595+/-0.009 χ^2/NDF: 2270442.0/16

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 23.571+/-0.008 χ^2/NDF: 2980622.6/18

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

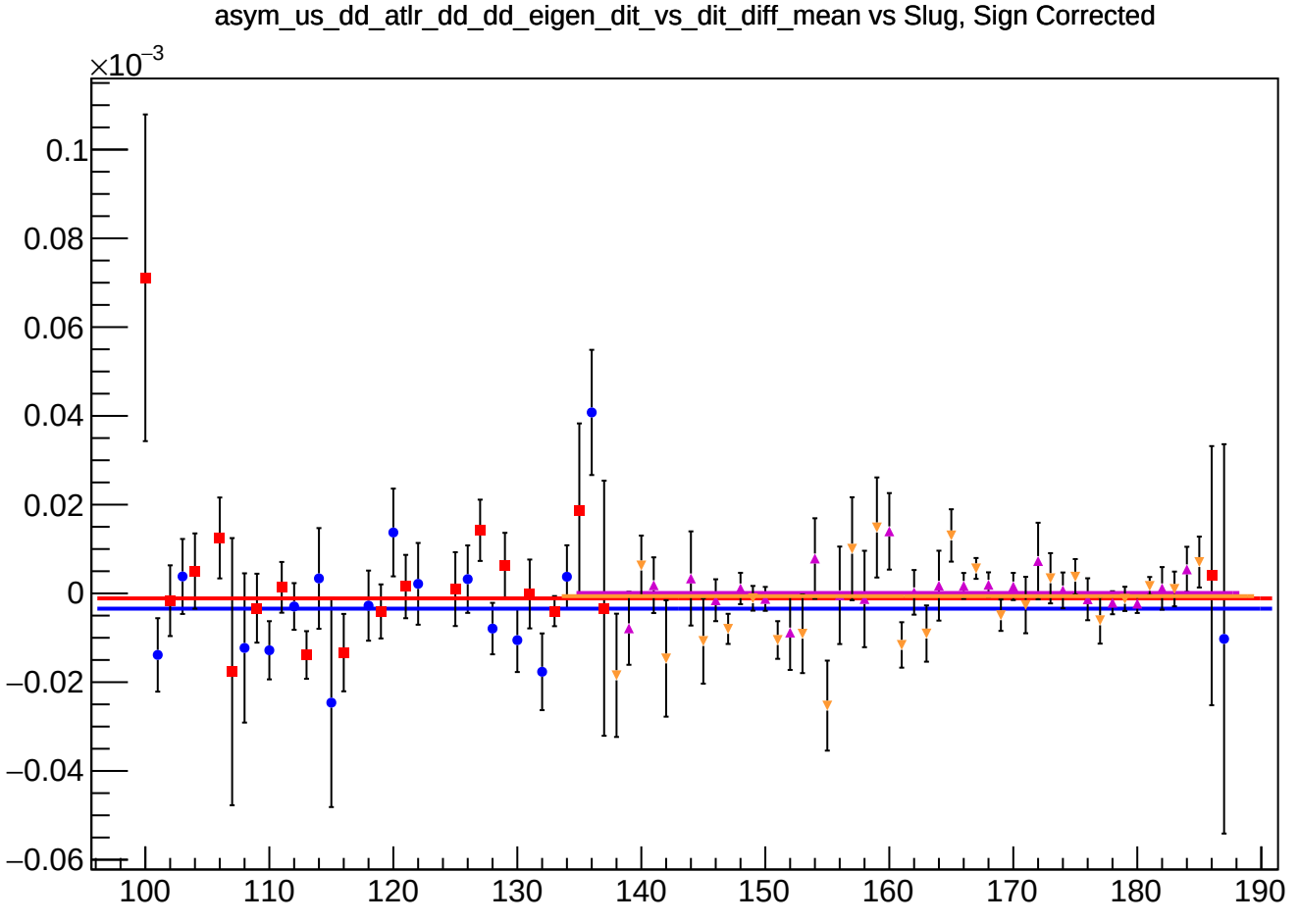
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 25.782+/-0.006 χ^2/NDF: 5441105.7/35

In: 32.459+/-0.006 χ^2/NDF:12004291.3/39

Out: 30.893+/-0.005 χ^2/NDF:13100020.6/42

All: 31.655+/-0.004 χ^2/NDF: 25145133.7/82



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

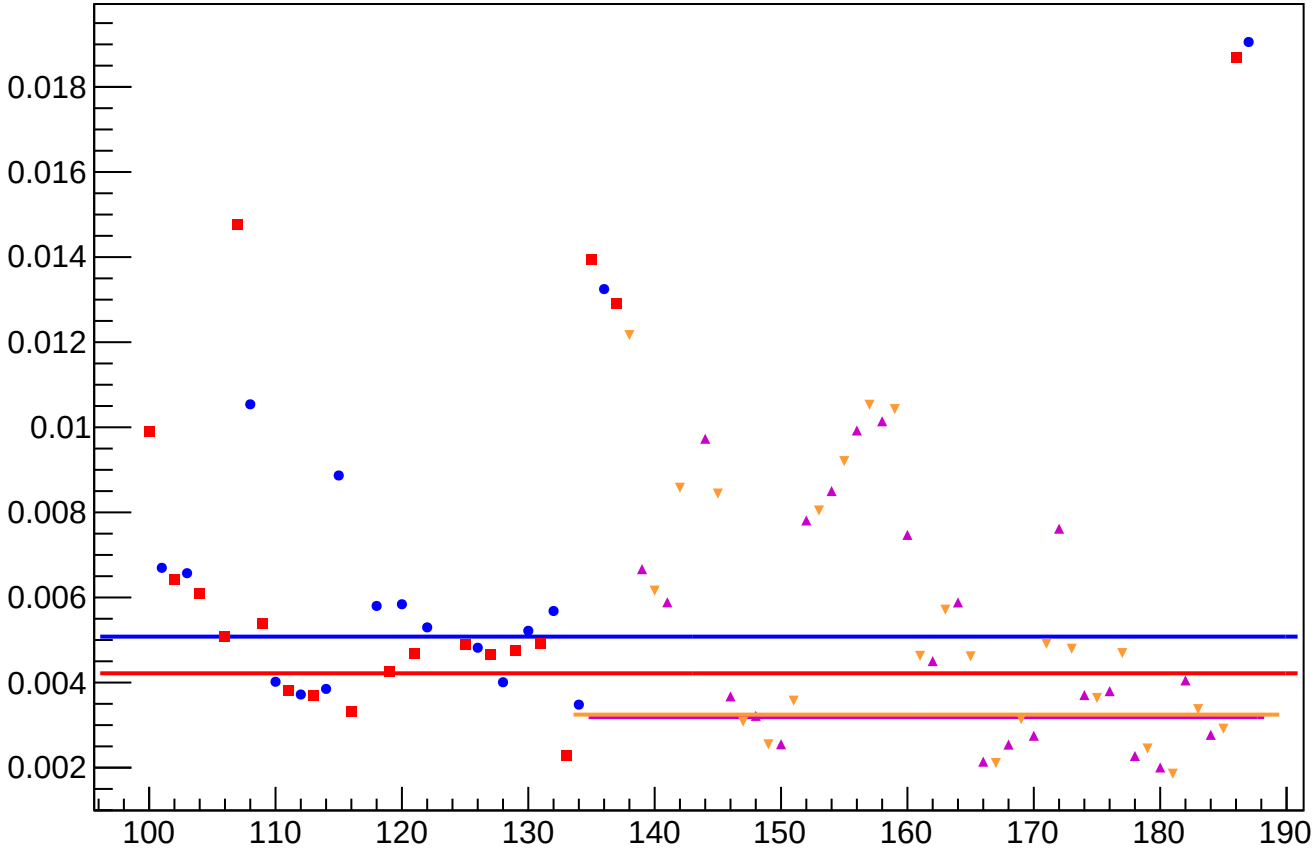
Right: -0.000+/-0.000 χ^2/NDF: 48.9/35

In: -0.000+/-0.000 χ^2/NDF:38.7/39

Out: -0.000+/-0.000 χ^2/NDF:74.3/42

All: -0.000+/-0.000 χ^2/NDF: 113.0/82

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1697712.7/16

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 2536121.0/18

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

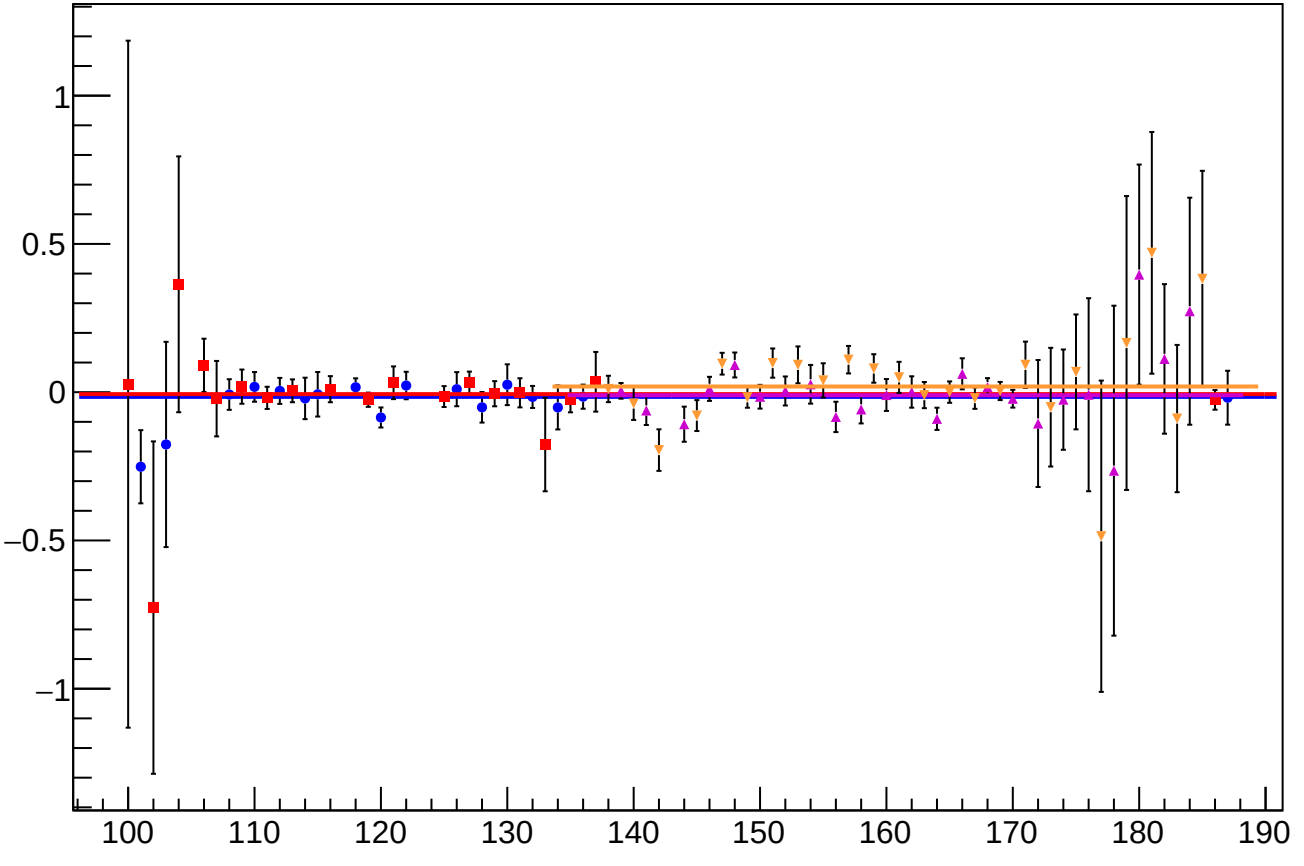
Right: 0.005+/-0.000 χ^2/NDF: 4447246.9/35

In: 0.003+/-0.000 χ^2/NDF:10482581.3/39

Out: 0.003+/-0.000 χ^2/NDF:10793345.1/42

All: 0.003+/-0.000 χ^2/NDF: 21277391.8/82

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: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

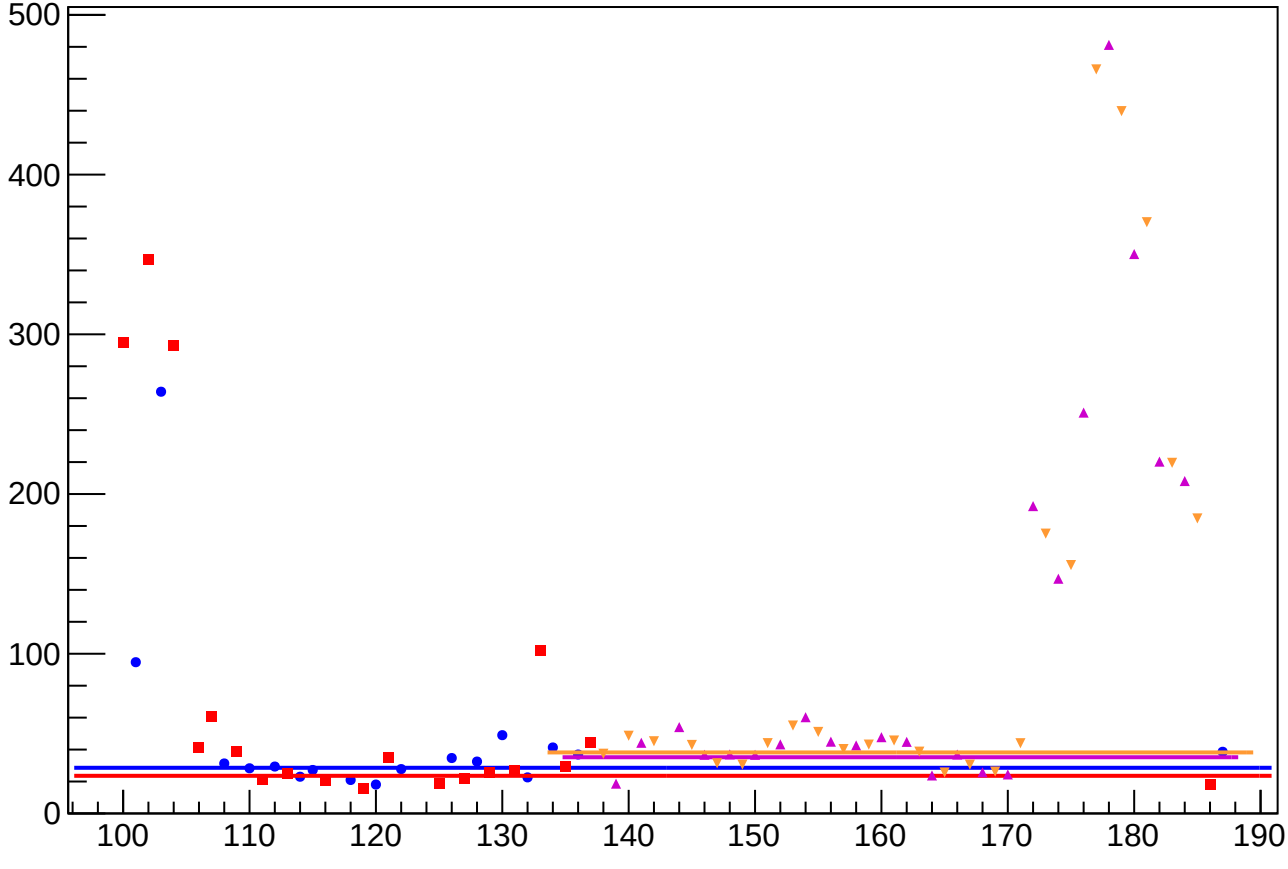
Right: -0.011+/-0.008 χ^2/NDF: 20.5/35

In: -0.013+/-0.008 χ^2/NDF:35.6/39

Out: 0.006+/-0.008 χ^2/NDF:47.0/42

All: -0.003+/-0.005 χ^2/NDF: 85.6/82

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.595+/-0.009 χ^2/NDF: 2270420.7/16

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 23.569+/-0.008 χ^2/NDF: 2980920.4/18

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

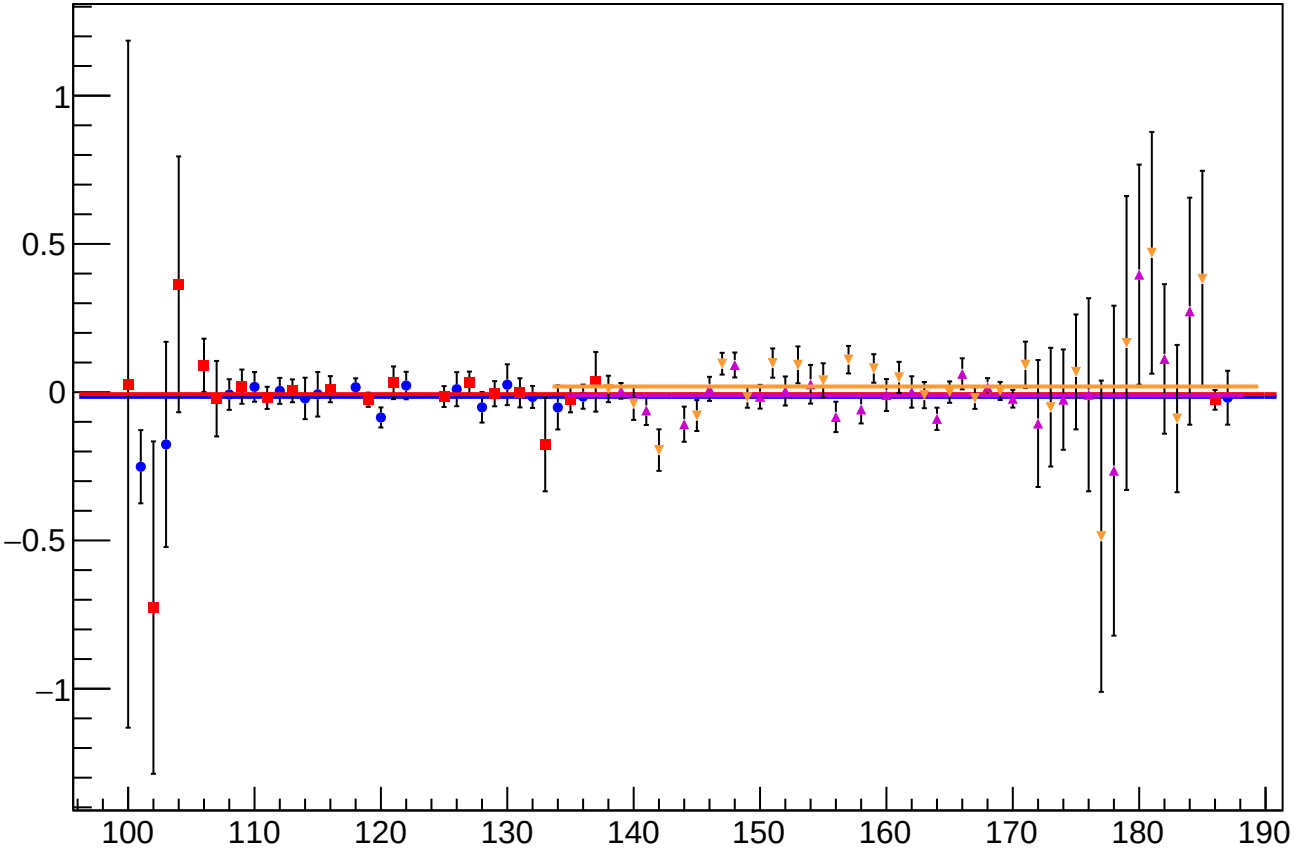
Right: 25.780+/-0.006 χ^2/NDF: 5441526.1/35

In: 32.459+/-0.006 χ^2/NDF:12004688.4/39

Out: 30.892+/-0.005 χ^2/NDF:13100983.5/42

All: 31.654+/-0.004 χ^2/NDF: 25146560.2/82

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: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

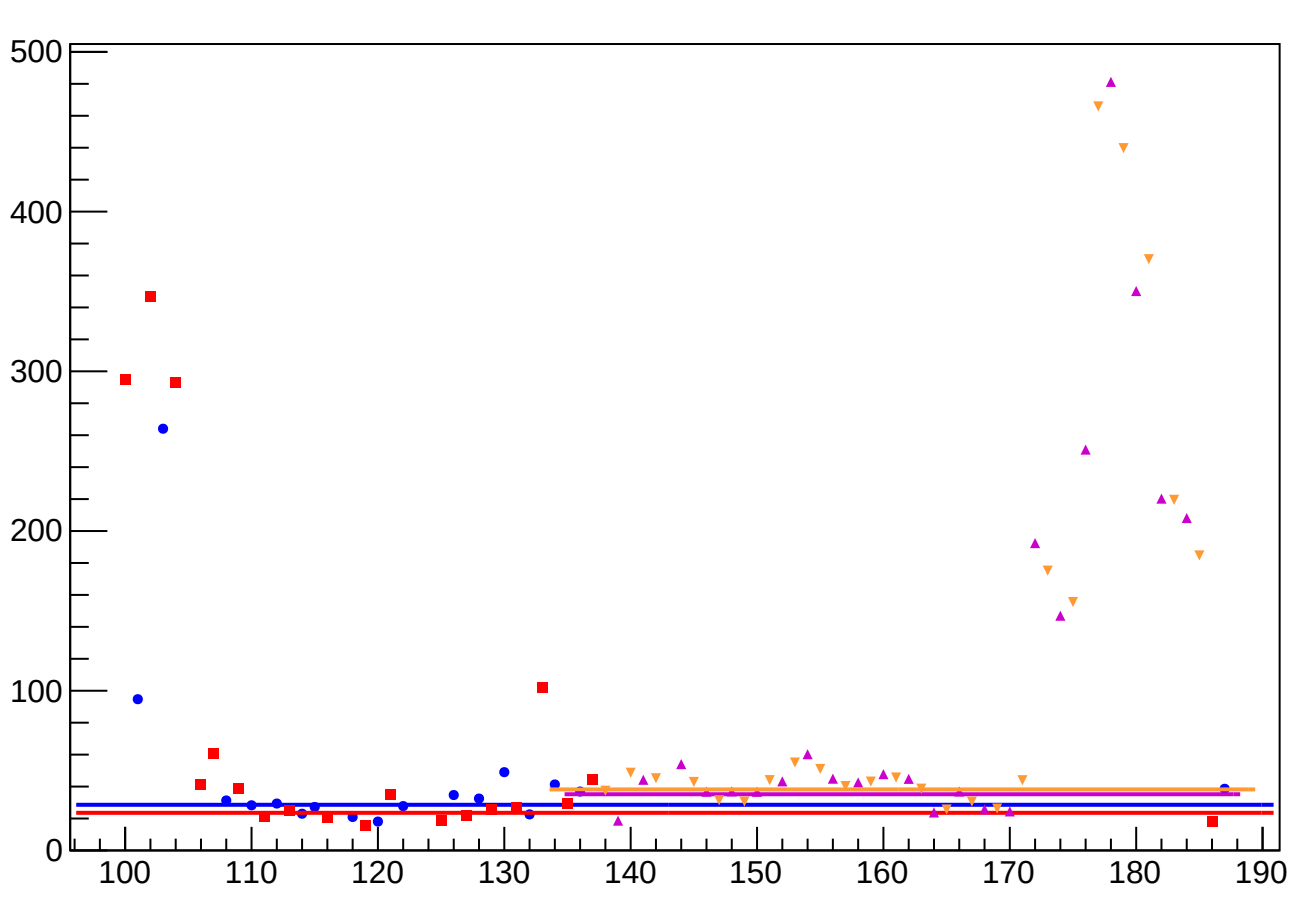
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.011+/-0.008 χ^2/NDF: 20.5/35

In: -0.013+/-0.008 χ^2/NDF:35.6/39

Out: 0.006+/-0.008 χ^2/NDF:47.0/42

All: -0.003+/-0.005 χ^2/NDF: 85.6/82



Right In: 28.595+/-0.009 χ^2/NDF: 2270420.7/16

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 23.569+/-0.008 χ^2/NDF: 2980920.4/18

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

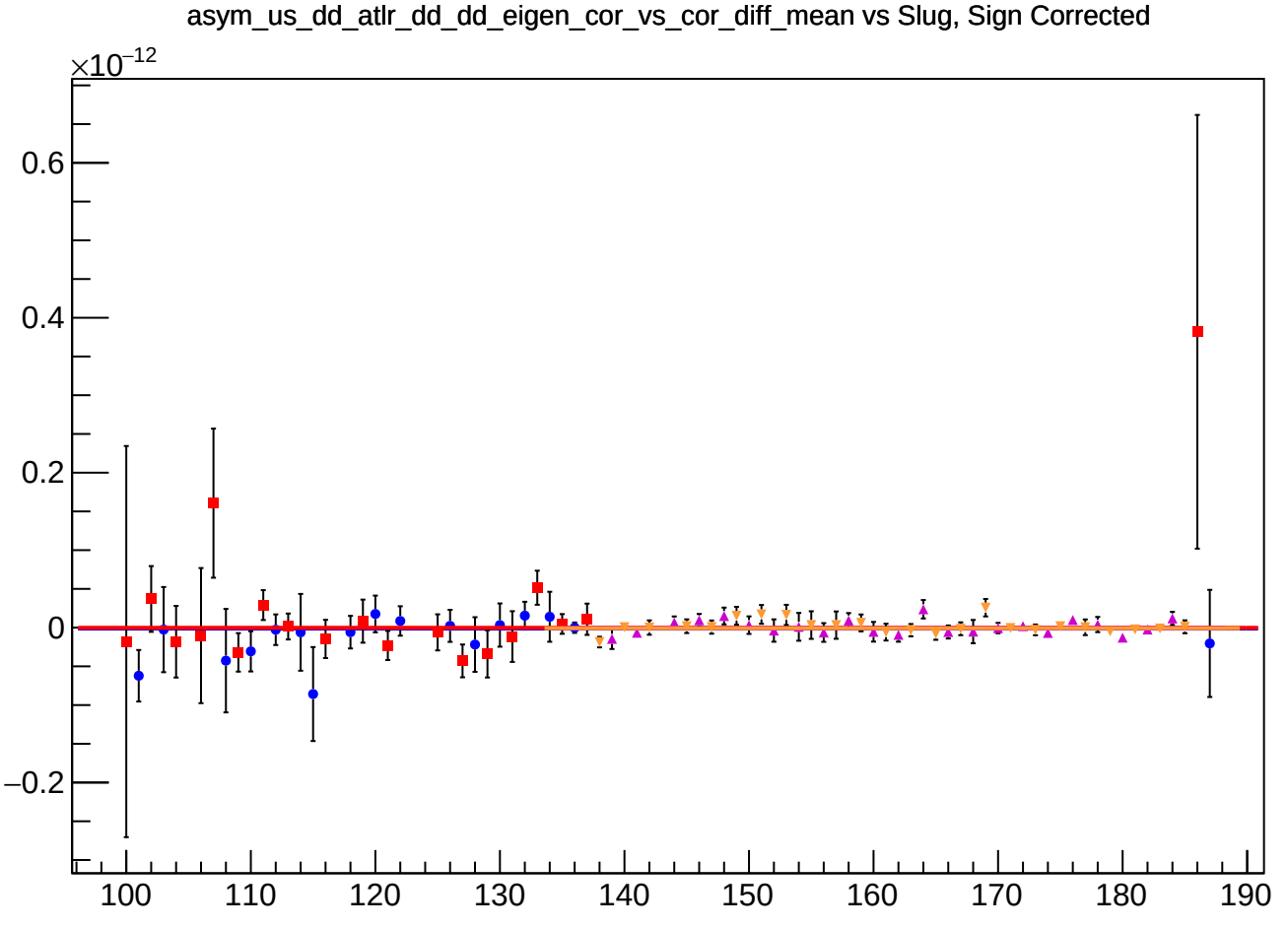
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 25.780+/-0.006 χ^2/NDF: 5441526.1/35

In: 32.459+/-0.006 χ^2/NDF:12004688.4/39

Out: 30.892+/-0.005 χ^2/NDF:13100983.5/42

All: 31.654+/-0.004 χ^2/NDF: 25146560.2/82



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/18

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

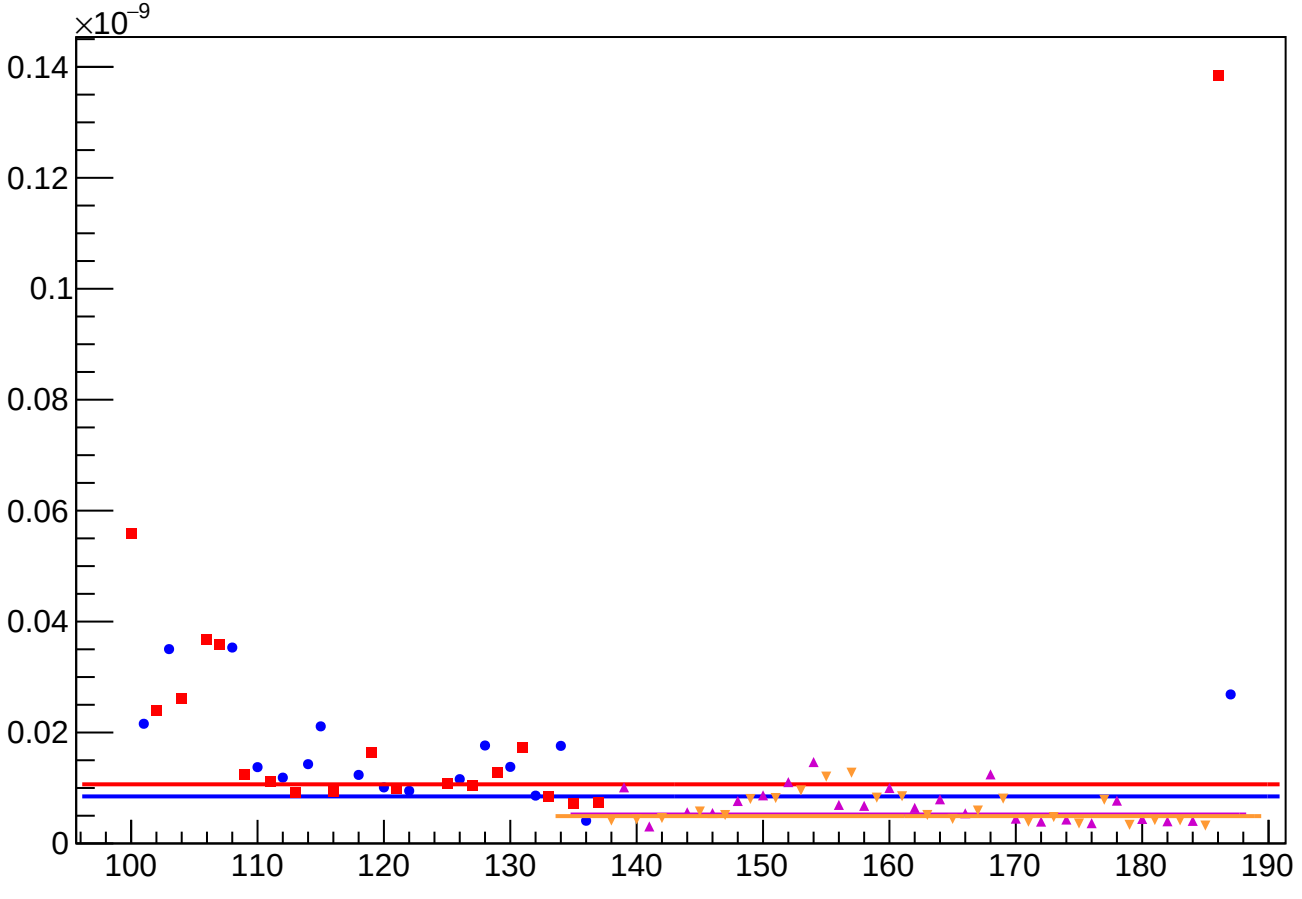
Right: -0.000+/-0.000 χ^2/NDF: 32.5/35

In: -0.000+/-0.000 χ^2/NDF:35.8/39

Out: -0.000+/-0.000 χ^2/NDF:44.0/42

All: -0.000+/-0.000 χ^2/NDF: 79.8/82

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2852166.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1650571.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

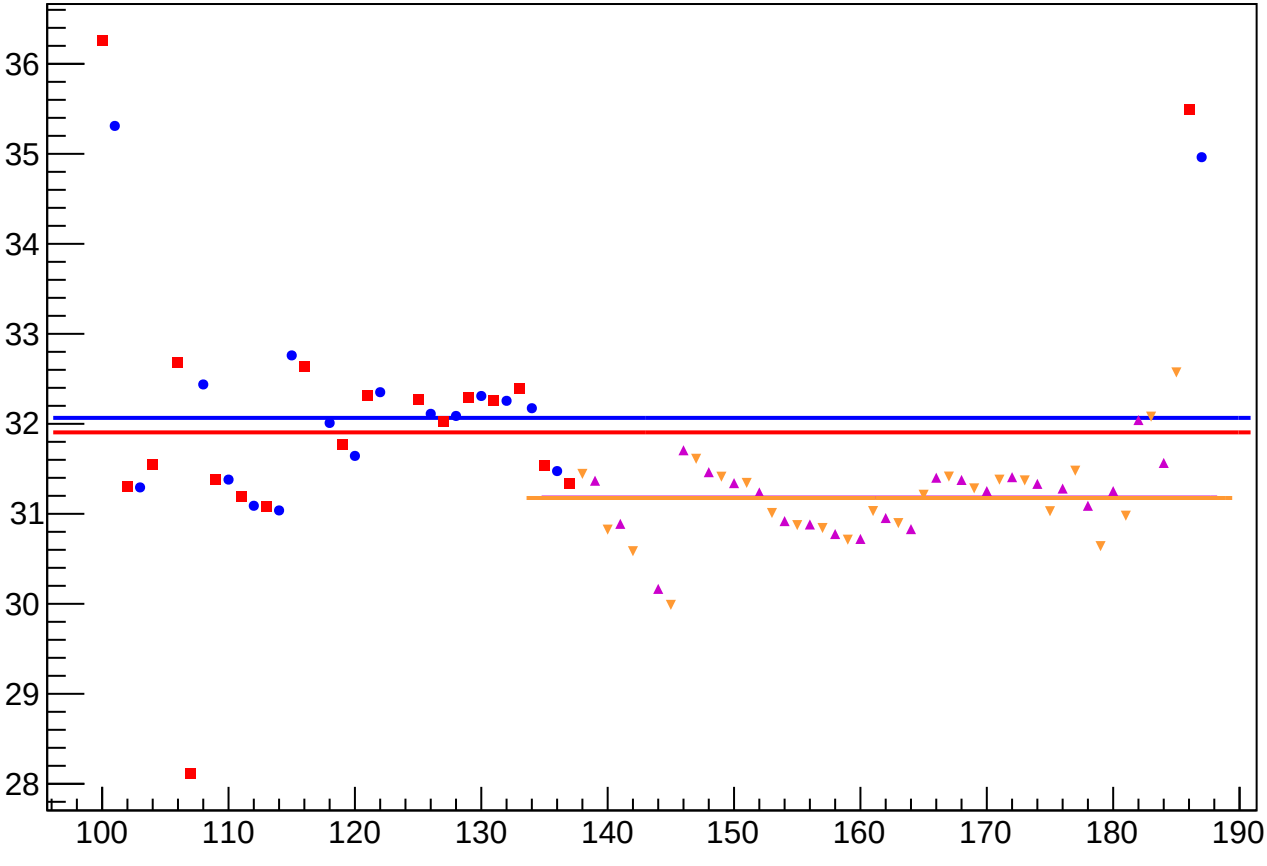
Right: 0.000+/-0.000 χ^2/NDF: 4678137.5/35

In: 0.000+/-0.000 χ^2/NDF:7140081.8/39

Out: 0.000+/-0.000 χ^2/NDF:6216123.2/42

All: 0.000+/-0.000 χ^2/NDF: 13376191.9/82

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.066+/-0.000 χ^2/NDF: 972692985.5/16

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 31.905+/-0.000 χ^2/NDF: 661955723.9/18

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

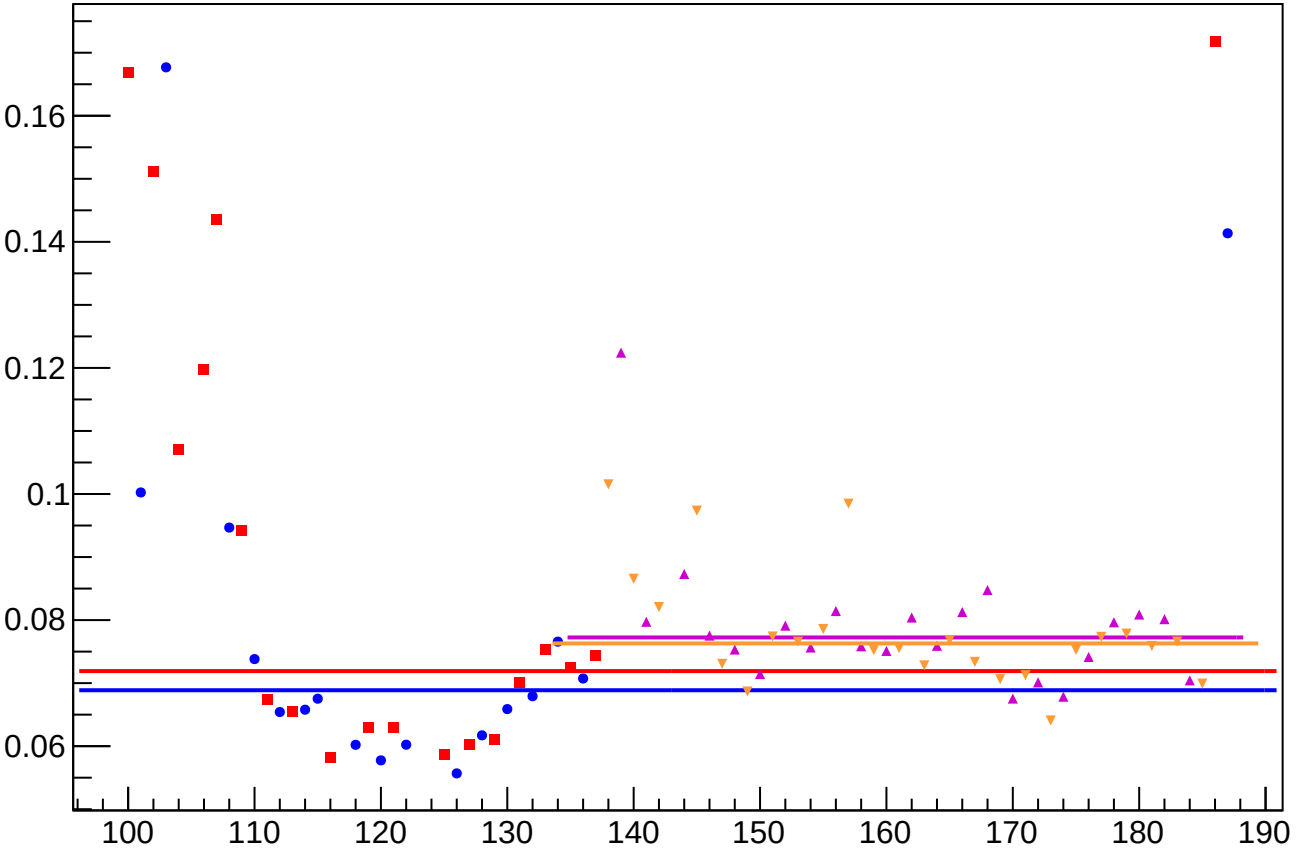
Right: 31.988+/-0.000 χ^2/NDF: 1651497340.5/35

In: 31.470+/-0.000 χ^2/NDF:2058867939.0/39

Out: 31.397+/-0.000 χ^2/NDF:1656302110.4/42

All: 31.434+/-0.000 χ^2/NDF: 3726191946.4/8

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.069+/-0.000 χ^2/NDF: 795997.6/16

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.072+/-0.000 χ^2/NDF: 1140620.8/18

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

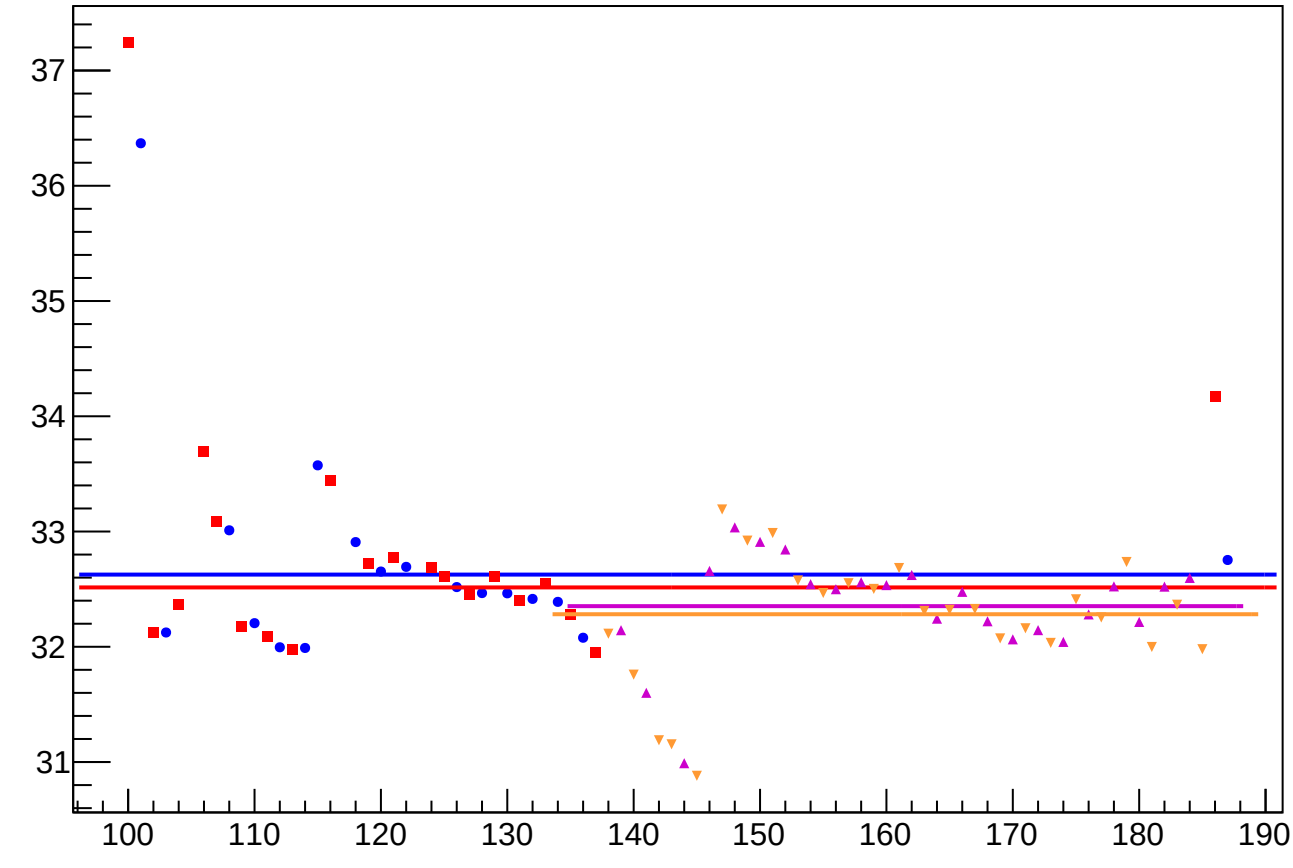
Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

Right: 0.070+/-0.000 χ^2/NDF: 1948613.4/35

In: 0.075+/-0.000 χ^2/NDF:1288251.0/39

Out: 0.075+/-0.000 χ^2/NDF:1530894.7/42

All: 0.075+/-0.000 χ^2/NDF: 2820003.7/82



Right In: 32.626+/-0.000 χ^2/NDF: 739280908.1/16

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.515+/-0.000 χ^2/NDF: 212462095.3/19

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

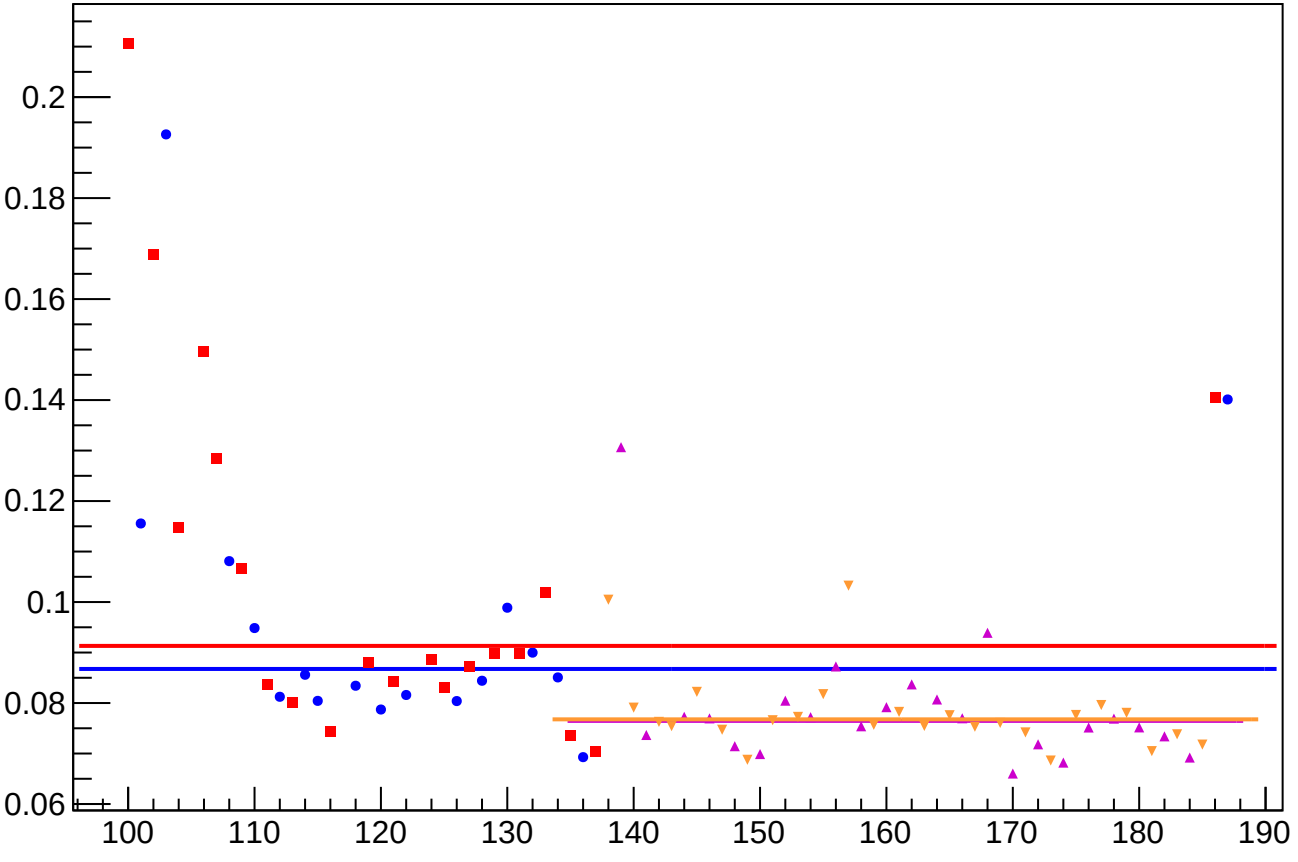
Right: 32.572+/-0.000 χ^2/NDF: 956909729.1/36

In: 32.415+/-0.000 χ^2/NDF:1378508808.0/39

Out: 32.332+/-0.000 χ^2/NDF:1086042574.7/44

All: 32.373+/-0.000 χ^2/NDF: 2477574482.5/8

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 648221.6/16

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.091+/-0.000 χ^2/NDF: 720358.0/19

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

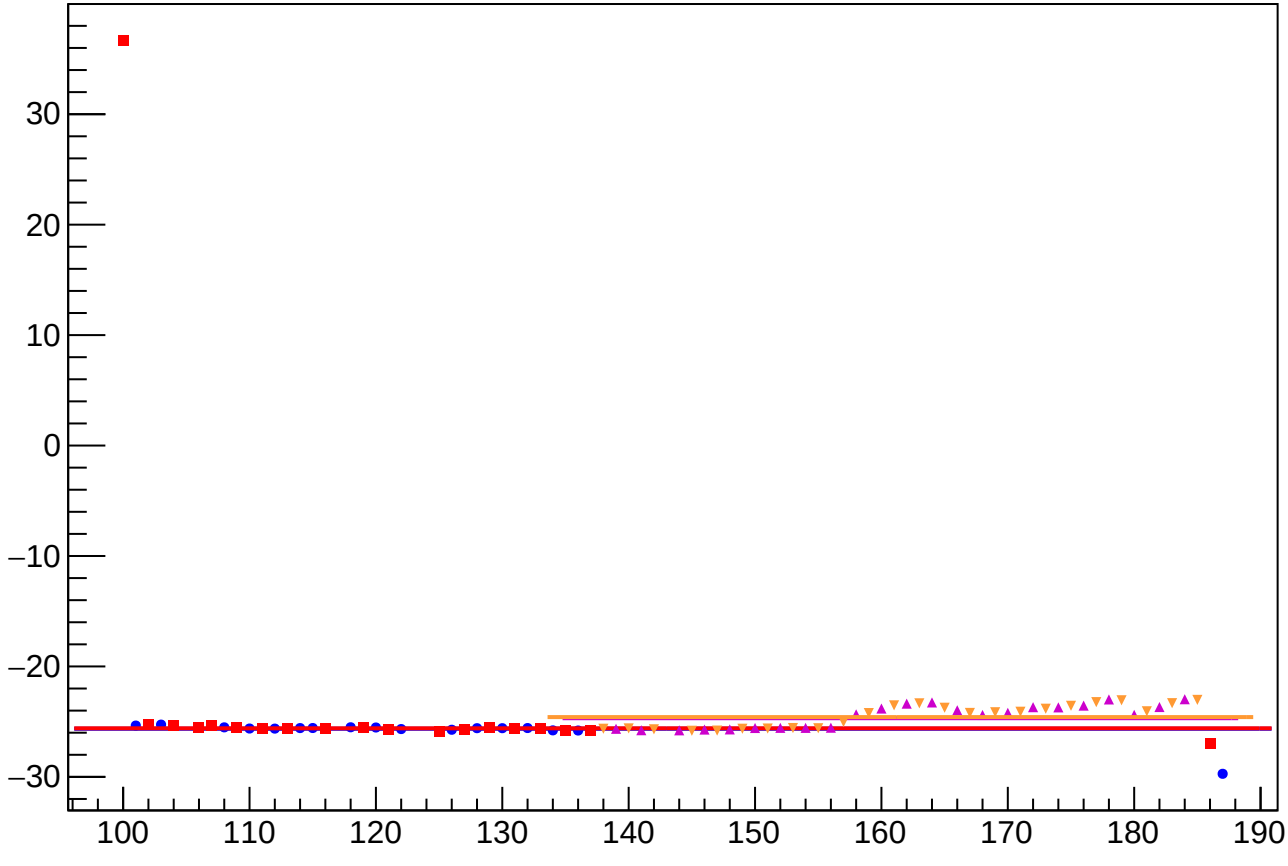
Right: 0.089+/-0.000 χ^2/NDF: 1385943.7/36

In: 0.079+/-0.000 χ^2/NDF:1269949.7/39

Out: 0.080+/-0.000 χ^2/NDF:1242083.2/44

All: 0.079+/-0.000 χ^2/NDF: 2516225.1/84

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.643+/-0.000 χ^2/NDF: 1192574263.1/16

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.603+/-0.000 χ^2/NDF: 9248010012.1/18

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

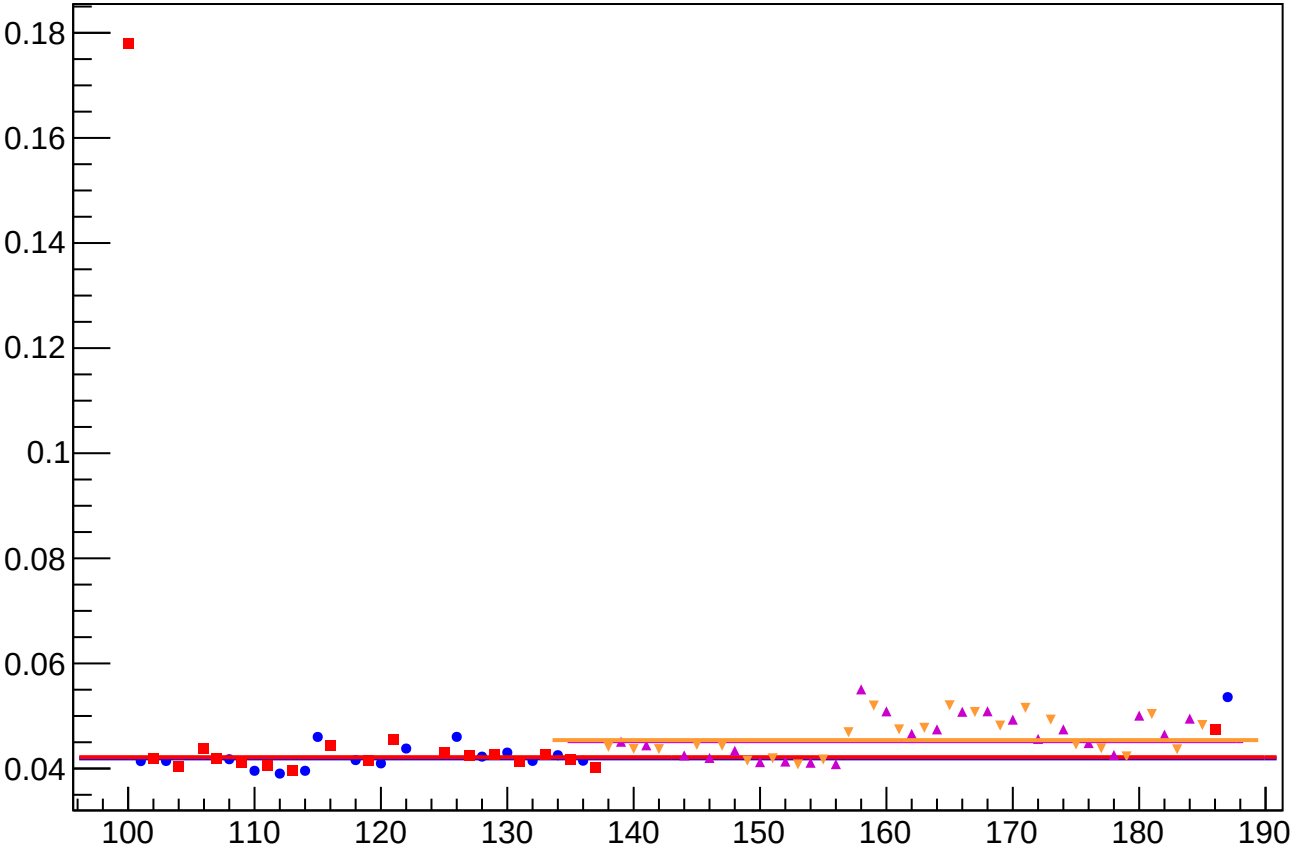
Right: -25.623+/-0.000 χ^2/NDF: 10444038052.9/35

In: -24.998+/-0.000 χ^2/NDF:12584551419.3/39

Out: -24.922+/-0.000 χ^2/NDF:21403771633.3/42

All: -24.960+/-0.000 χ^2/NDF: 34025574276.8

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 38624.9/16

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.042+/-0.000 χ^2/NDF: 110419.5/18

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

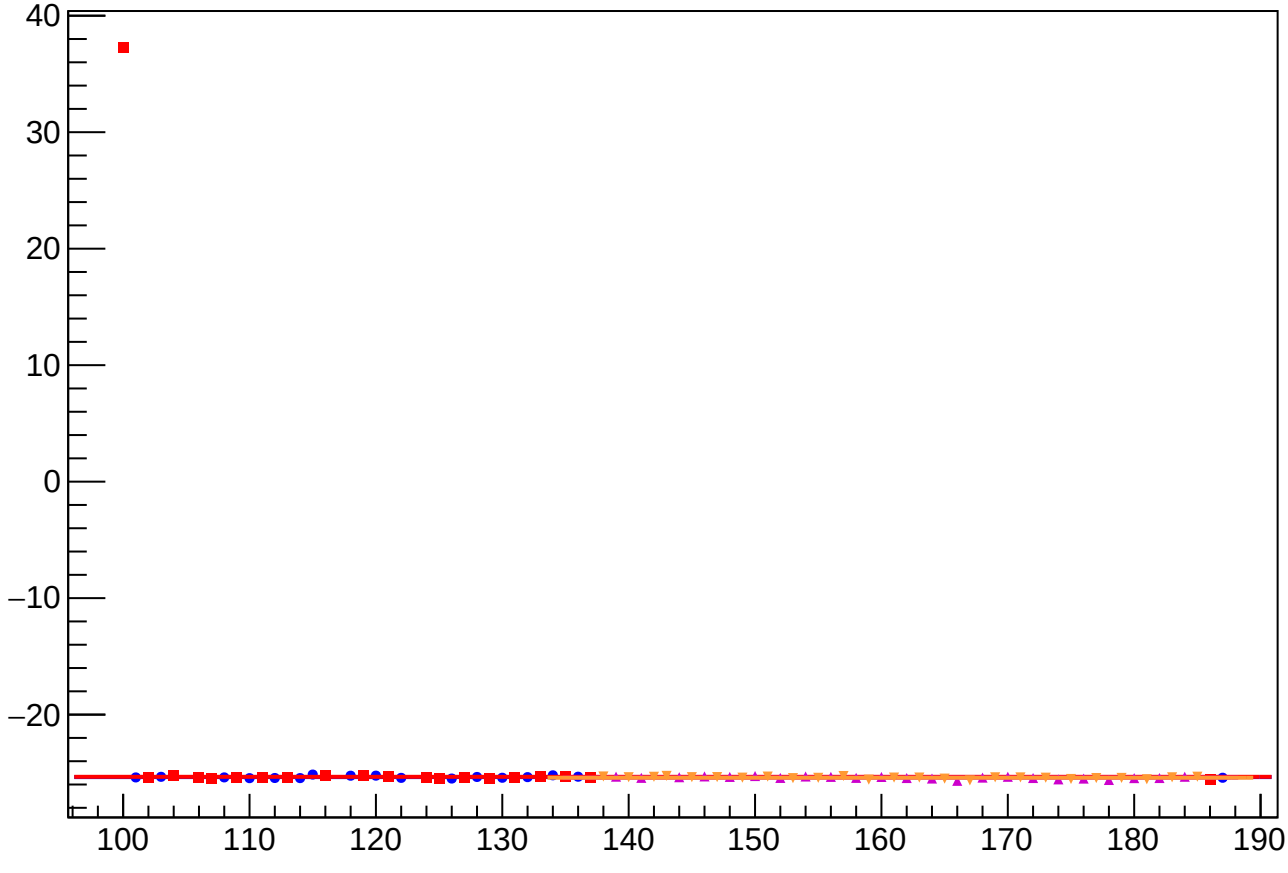
Right: 0.042+/-0.000 χ^2/NDF: 149260.6/35

In: 0.044+/-0.000 χ^2/NDF:343764.2/39

Out: 0.044+/-0.000 χ^2/NDF:376673.9/42

All: 0.044+/-0.000 χ^2/NDF: 720898.1/82

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.363+/-0.000 χ^2/NDF: 13566993.9/16

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.339+/-0.000 χ^2/NDF: 6323276058.2/19

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

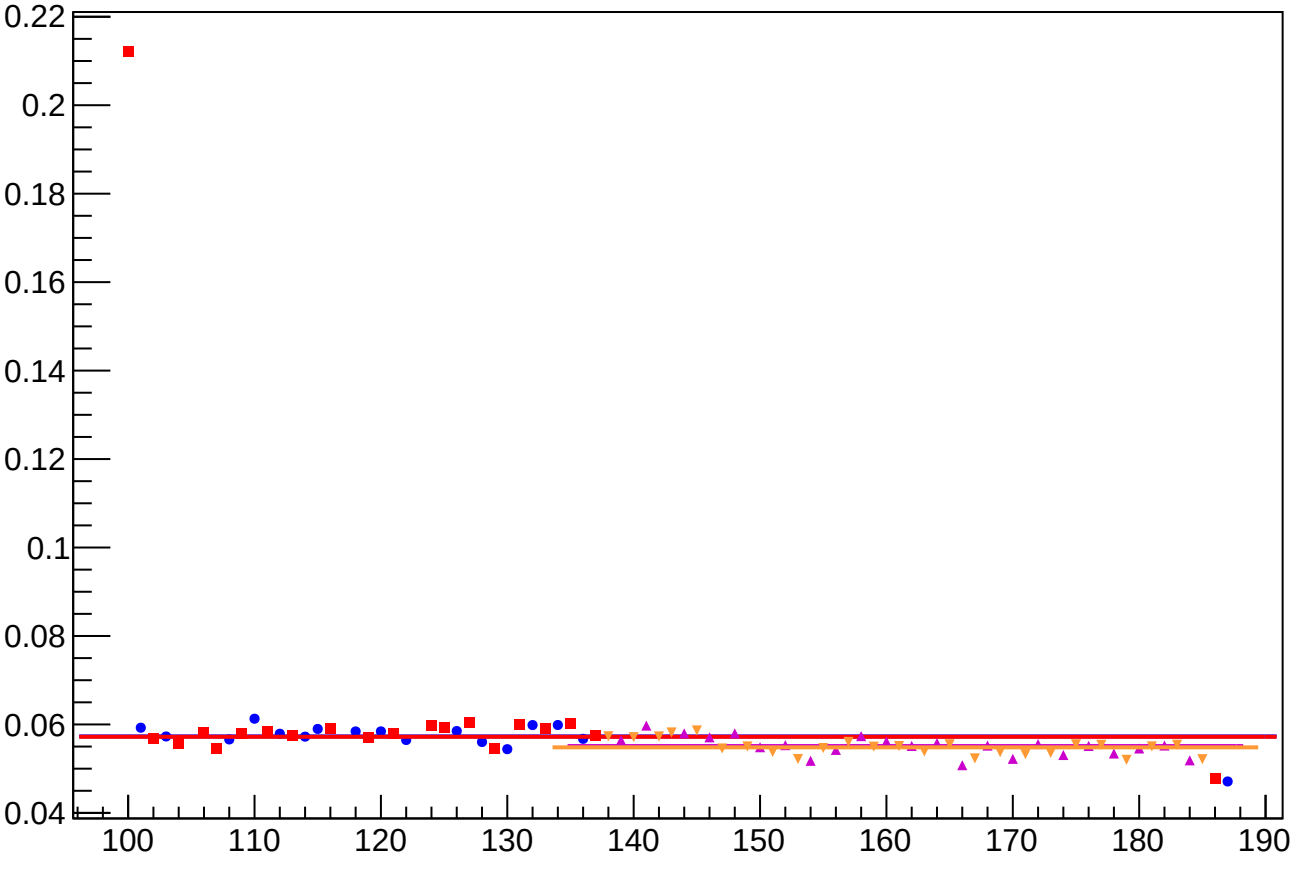
Right: -25.351+/-0.000 χ^2/NDF: 6337448171.4/36

In: -25.400+/-0.000 χ^2/NDF:73666490.9/39

Out: -25.396+/-0.000 χ^2/NDF:6385651319.1/44

All: -25.398+/-0.000 χ^2/NDF: 6459399208.8/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.057+/-0.000 χ^2/NDF: 29878.4/16

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.057+/-0.000 χ^2/NDF: 123341.3/19

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

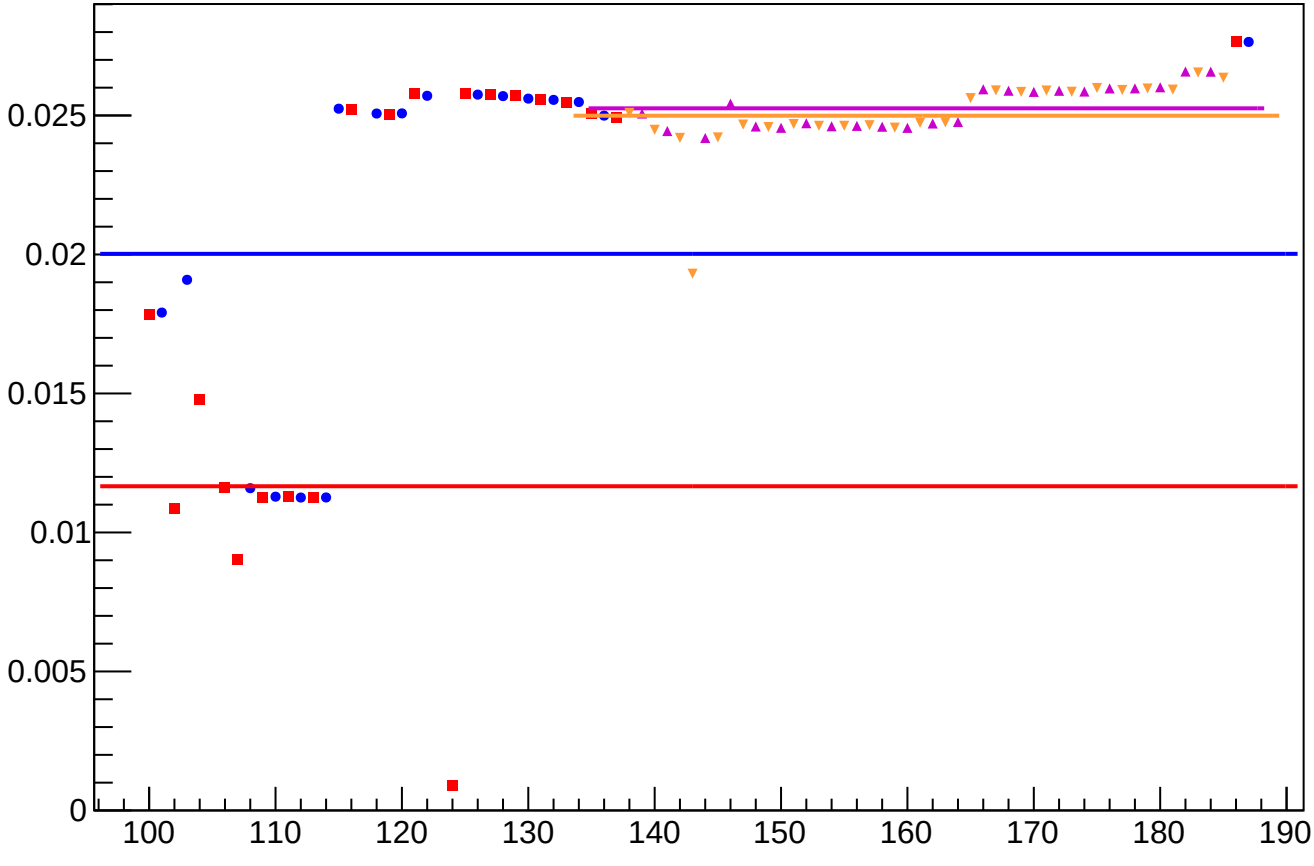
Right: 0.057+/-0.000 χ^2/NDF: 153234.8/36

In: 0.056+/-0.000 χ^2/NDF:96516.1/39

Out: 0.055+/-0.000 χ^2/NDF:180742.4/44

All: 0.056+/-0.000 χ^2/NDF: 277705.1/84

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 63541176943.3/16

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 262953529809.1/19

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

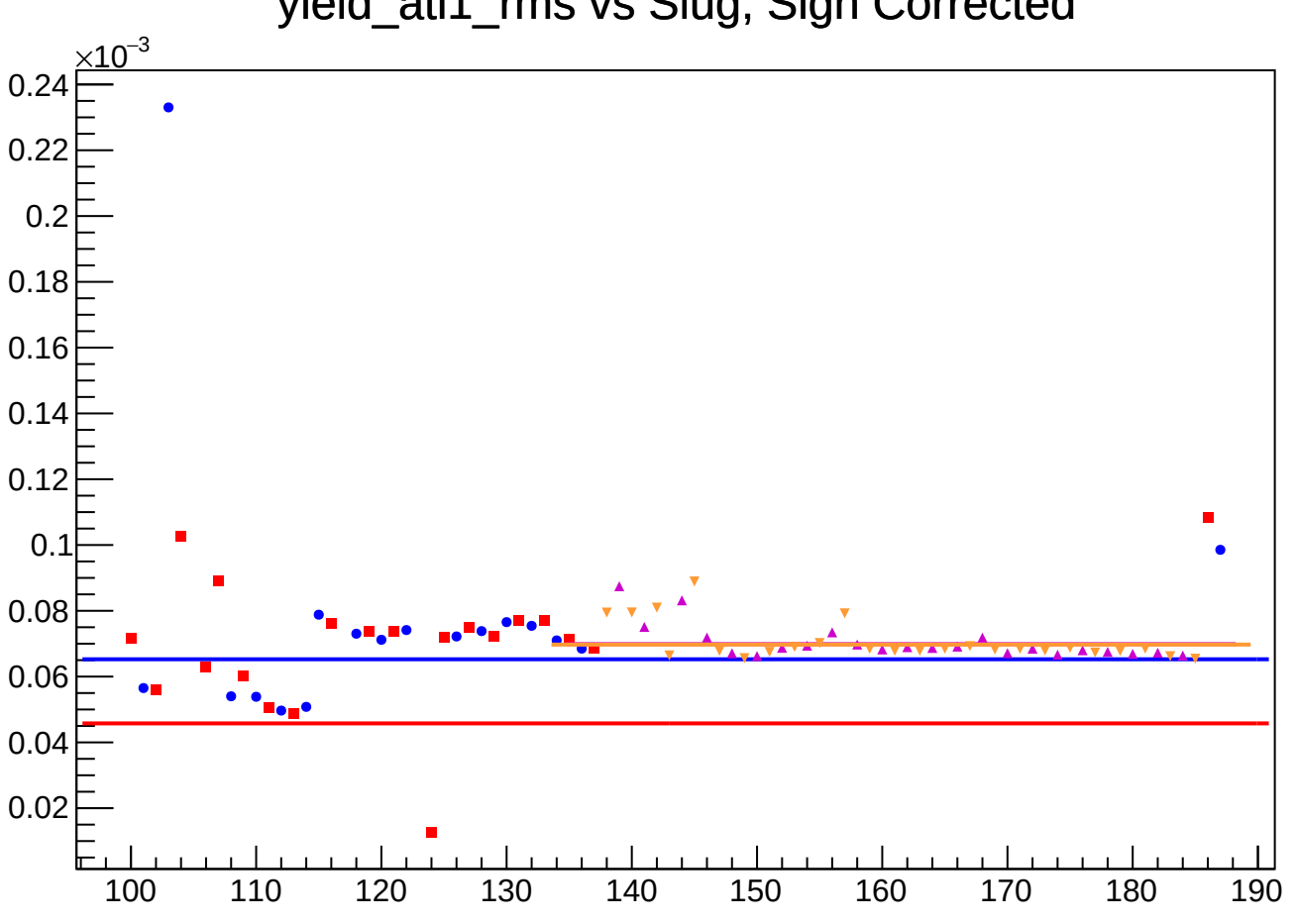
Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

Right: 0.015+/-0.000 χ^2/NDF: 394625289584.5/36

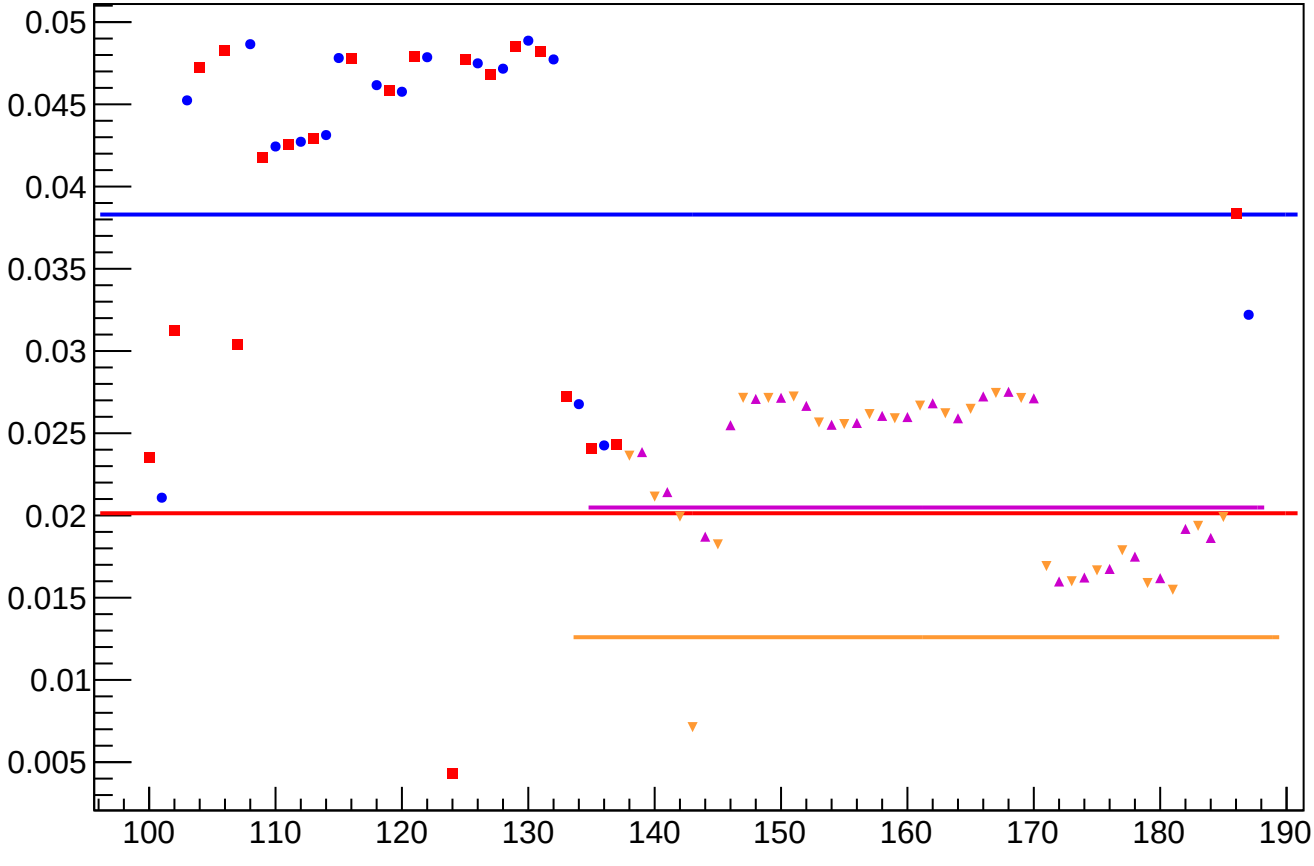
In: 0.024+/-0.000 χ^2/NDF:95659431898.4/39

Out: 0.020+/-0.000 χ^2/NDF:545043501255.2/44

All: 0.021+/-0.000 χ^2/NDF: 686564805445.6


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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 857890.4/16
Left Out: 0.000+/-0.000 χ²/NDF:188211.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4046759.7/19
Left In: 0.000+/-0.000 χ²/NDF:152421.9/22
Left: 0.000+/-0.000 χ²/NDF: 340709.7/47
Right: 0.000+/-0.000 χ²/NDF: 5645337.0/36
In: 0.000+/-0.000 χ²/NDF:1057106.7/39
Out: 0.000+/-0.000 χ²/NDF:6006119.5/44
All: 0.000+/-0.000 χ²/NDF: 7458033.2/84

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7110046809.7/16

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.020+/-0.000 χ^2/NDF: 42397067399.5/19

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

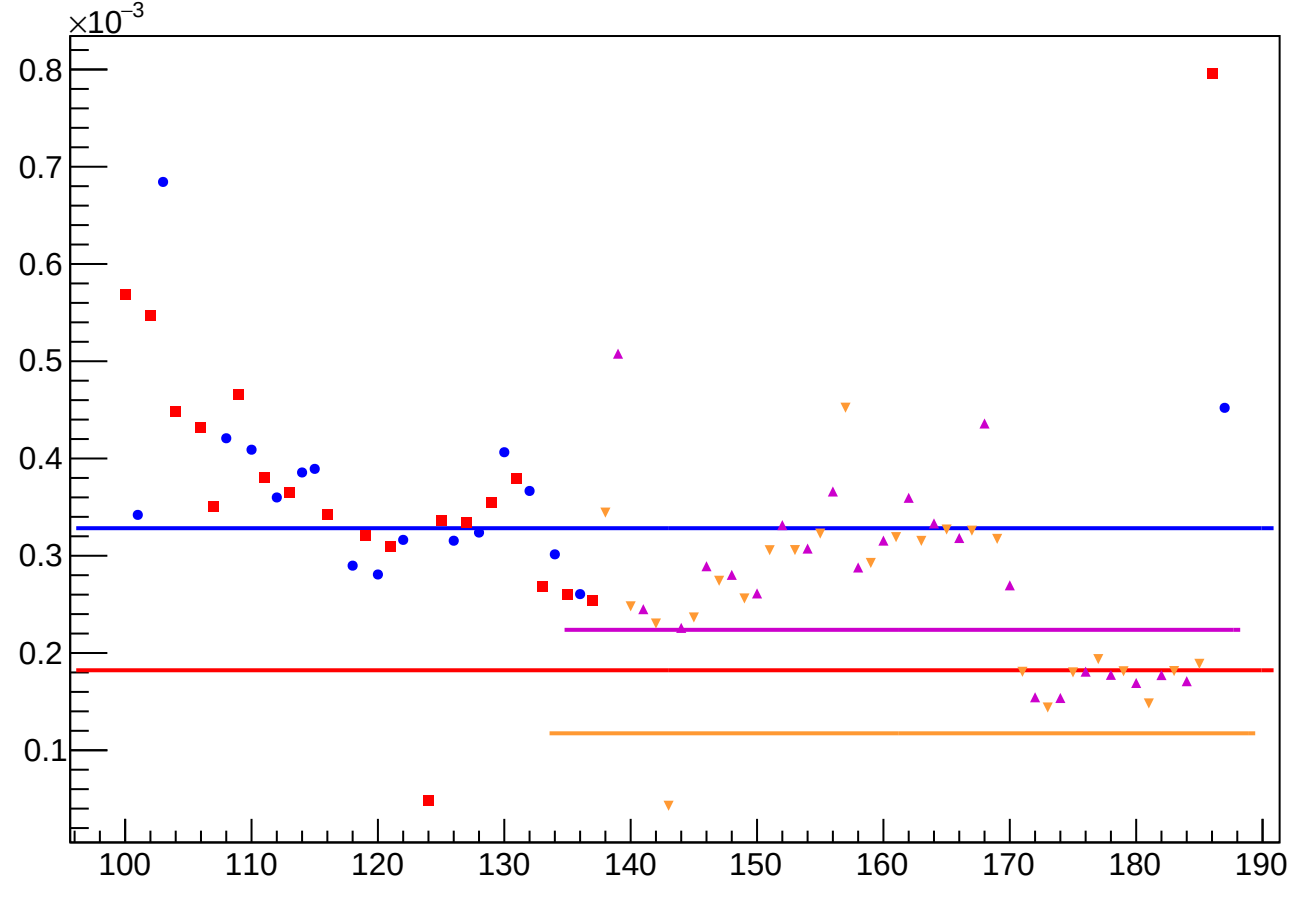
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.026+/-0.000 χ^2/NDF: 62807723208.7/36

In: 0.023+/-0.000 χ^2/NDF:29100246335.9/39

Out: 0.014+/-0.000 χ^2/NDF:85730477258.8/44

All: 0.017+/-0.000 χ^2/NDF: 139357955665.2



Right In: 0.000+/-0.000 χ^2/NDF: 607333.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6141106.8/19

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

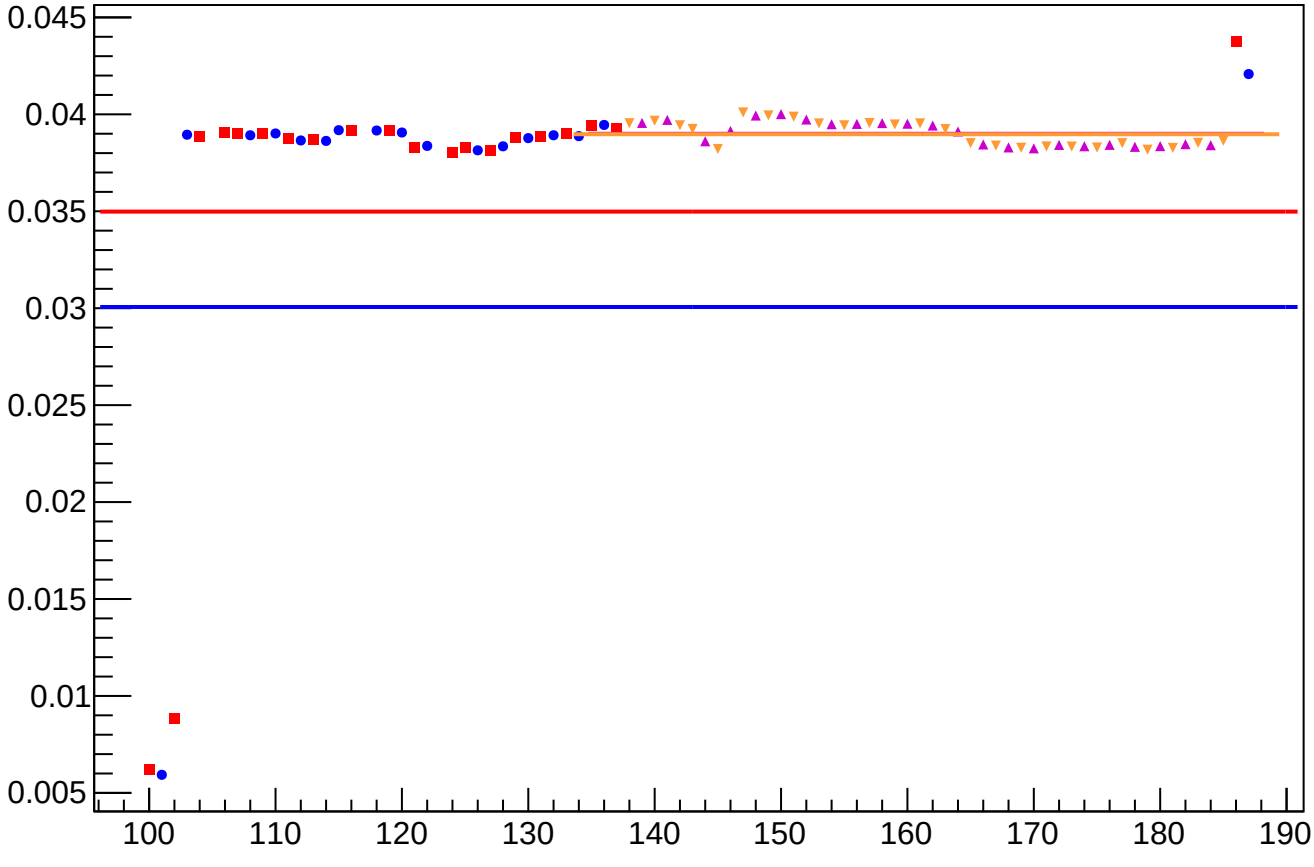
Right: 0.000+/-0.000 χ^2/NDF: 8468957.6/36

In: 0.000+/-0.000 χ^2/NDF:5089123.9/39

Out: 0.000+/-0.000 χ^2/NDF:21418591.5/44

All: 0.000+/-0.000 χ^2/NDF: 33238856.8/84

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108812158300.8/16

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 48042347092.7/19

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

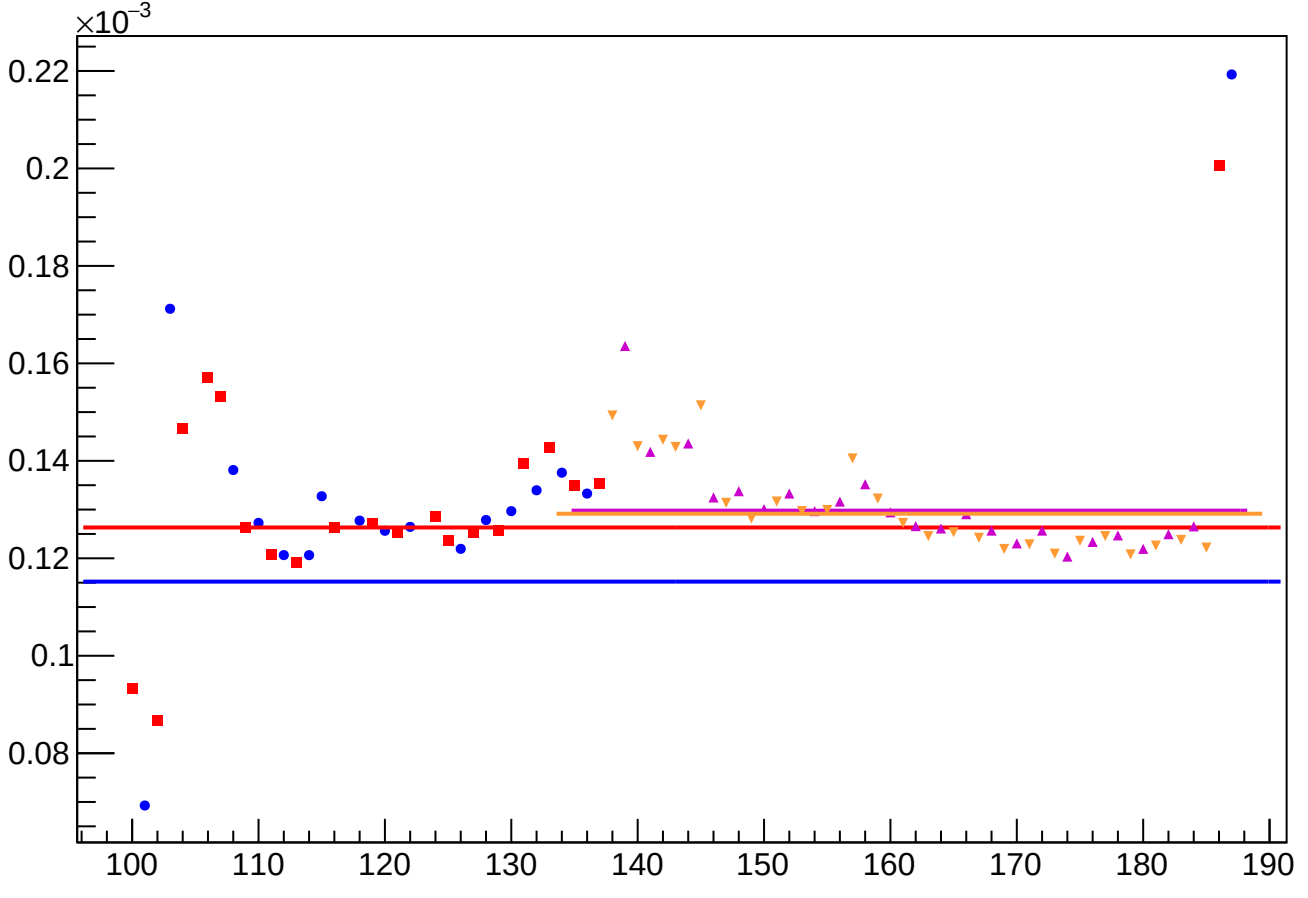
Right: 0.032+/-0.000 χ^2/NDF: 162688276104.7/36

In: 0.036+/-0.000 χ^2/NDF:136750005316.6/39

Out: 0.038+/-0.000 χ^2/NDF:53696617946.0/44

All: 0.037+/-0.000 χ^2/NDF: 192823595077.7

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 933630.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 372378.4/19

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

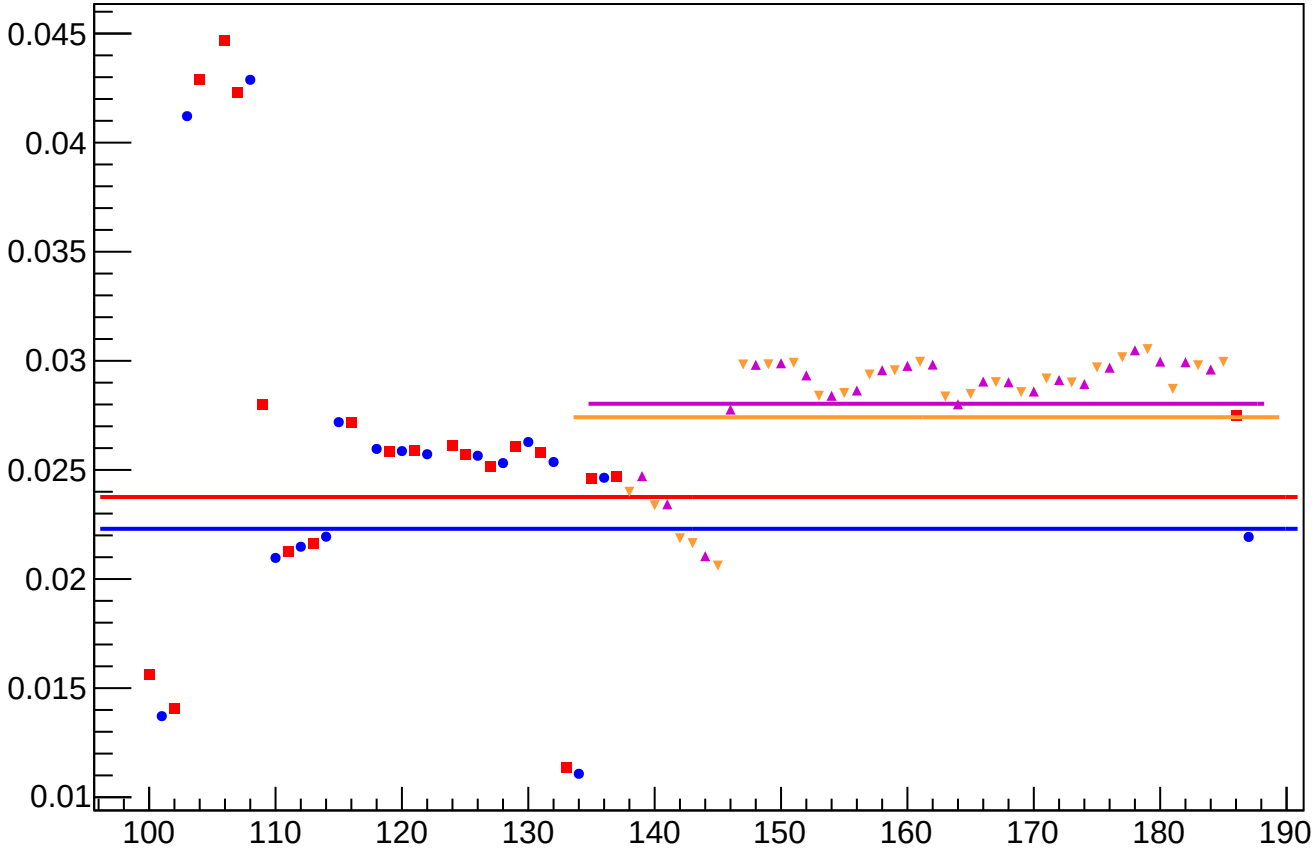
Right: 0.000+/-0.000 χ^2/NDF: 1365489.4/36

In: 0.000+/-0.000 χ^2/NDF:1221655.7/39

Out: 0.000+/-0.000 χ^2/NDF:535109.5/44

All: 0.000+/-0.000 χ^2/NDF: 1773909.3/84

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012715230.7/16

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.024+/-0.000 χ^2/NDF: 5599857920.4/19

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

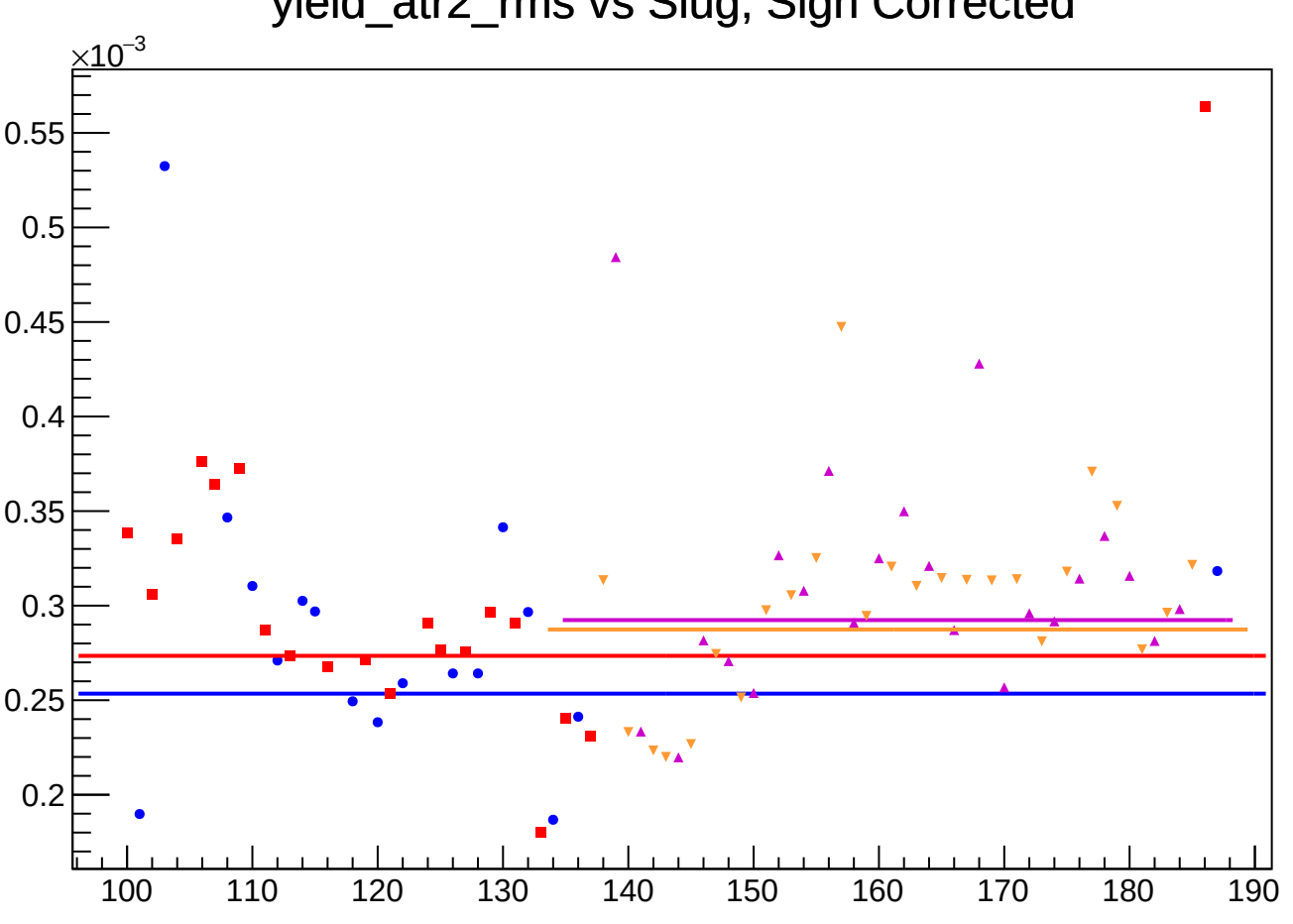
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

Right: 0.023+/-0.000 χ^2/NDF: 10713295355.1/36

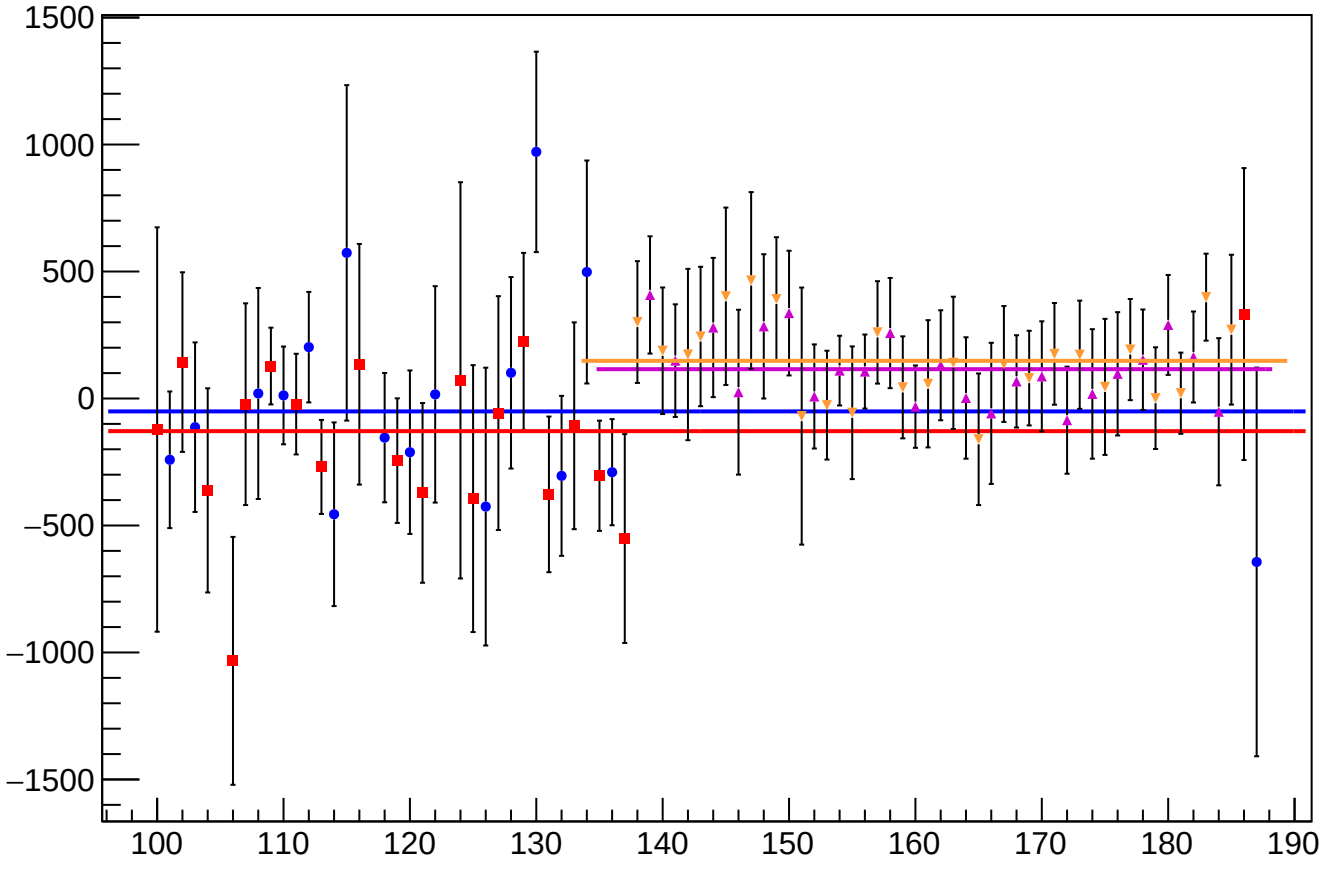
In: 0.026+/-0.000 χ^2/NDF:8662834286.0/39

Out: 0.026+/-0.000 χ^2/NDF:8682029455.3/44

All: 0.026+/-0.000 χ^2/NDF: 17352471155.8/8


yield_atr2_rms vs Slug, Sign Corrected
×10⁻³
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 721837.4/16
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 661205.6/19
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
Left: 0.000+/-0.000 χ²/NDF: 1796968.4/47
Right: 0.000+/-0.000 χ²/NDF: 1420990.5/36
In: 0.000+/-0.000 χ²/NDF:1891361.9/39
Out: 0.000+/-0.000 χ²/NDF:1507125.9/44
All: 0.000+/-0.000 χ²/NDF: 3403342.8/84

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -50.793+/-75.823 χ^2/NDF: 16.1/16

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -128.533+/-67.590 χ^2/NDF: 13.6/19

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

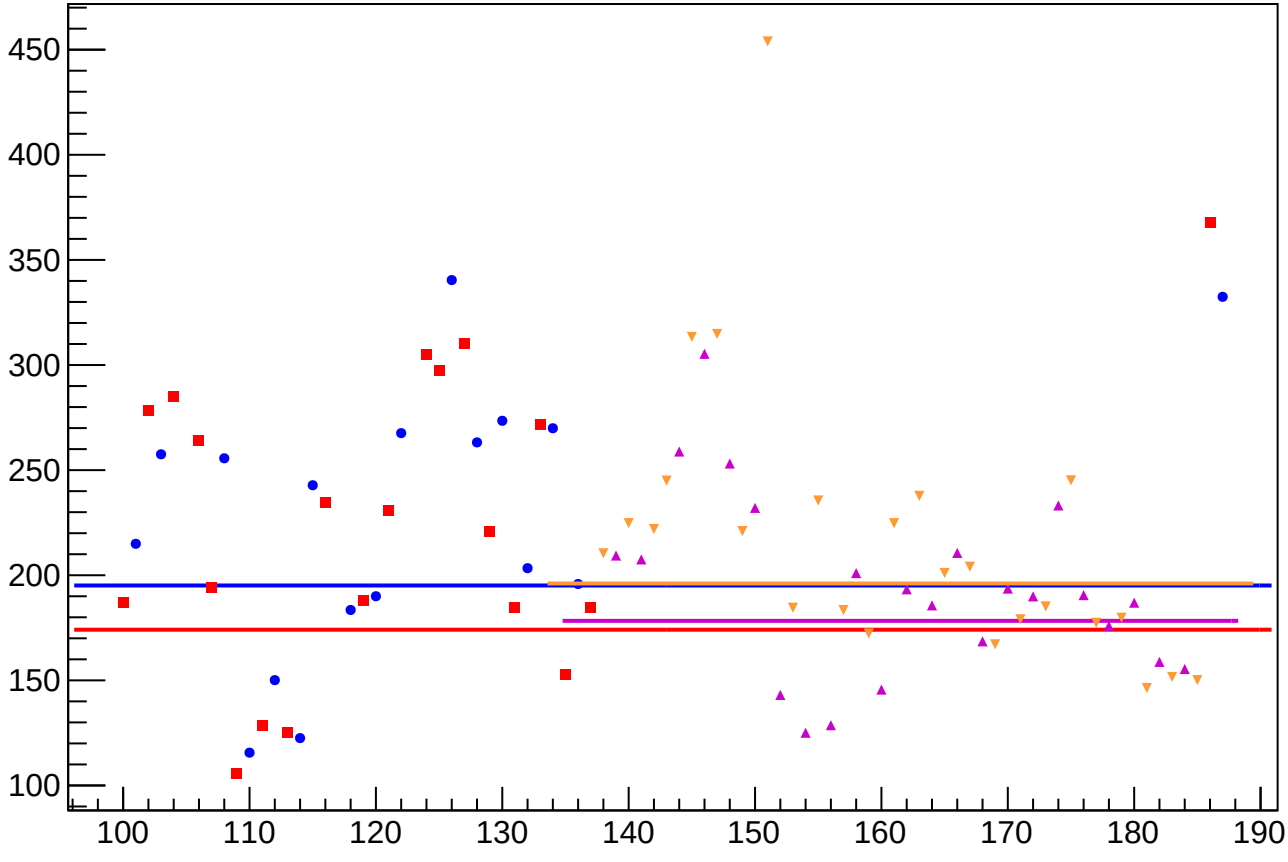
Right: -94.112+/-50.454 χ^2/NDF: 30.2/36

In: 74.214+/-37.776 χ^2/NDF:27.5/39

Out: 60.077+/-38.152 χ^2/NDF:35.4/44

All: 67.215+/-26.844 χ^2/NDF: 62.9/84

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.129+/-0.054 χ^2/NDF: 1113124.9/16

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 174.094+/-0.048 χ^2/NDF: 1887833.4/19

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

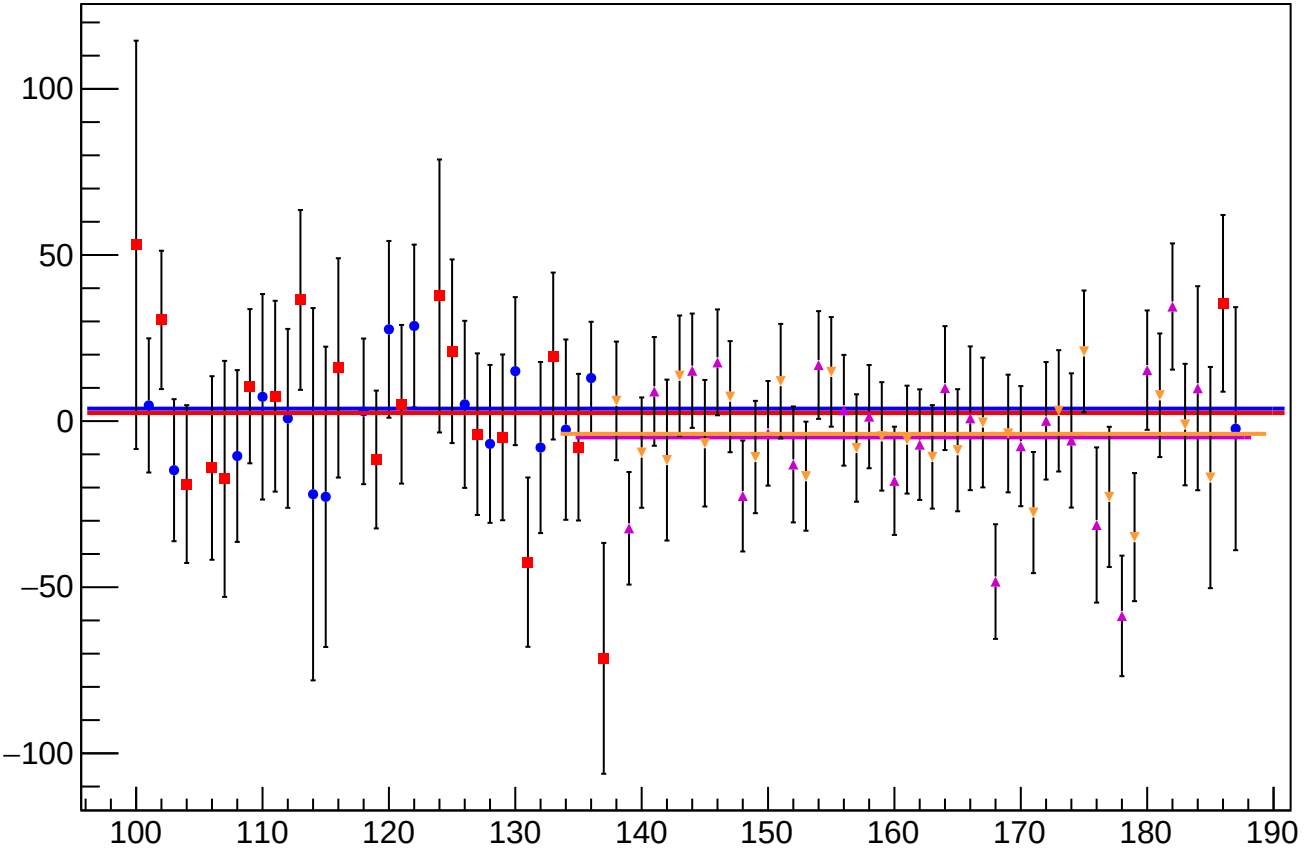
Right: 183.408+/-0.036 χ^2/NDF: 3086726.9/36

In: 182.491+/-0.027 χ^2/NDF:2865374.2/39

Out: 189.079+/-0.027 χ^2/NDF:3850603.5/44

All: 185.752+/-0.019 χ^2/NDF: 6746098.2/84

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.752+/-6.086 χ^2/NDF: 4.5/16

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: 2.438+/-5.924 χ^2/NDF: 17.5/19

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

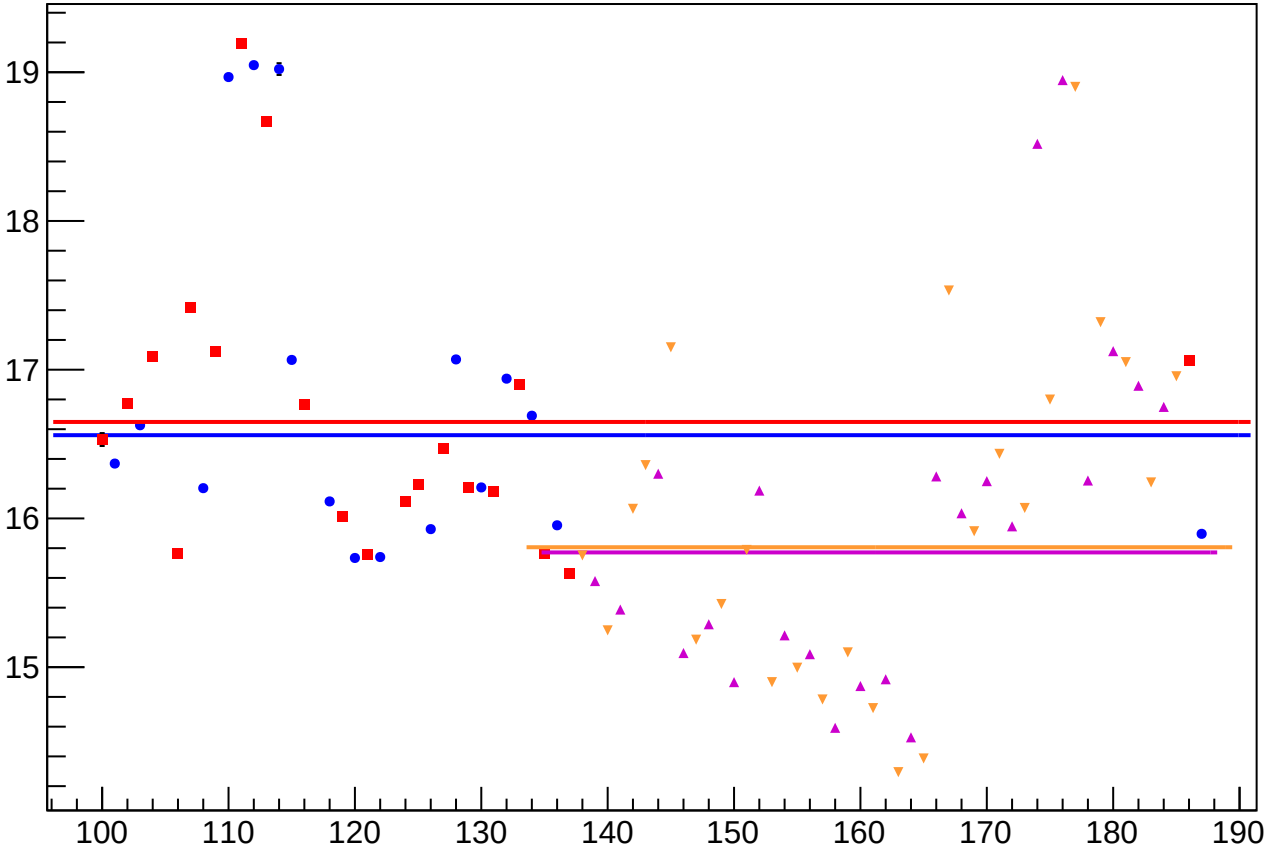
Right: 3.077+/-4.245 χ^2/NDF: 22.1/36

In: -2.572+/-3.159 χ^2/NDF:39.9/39

Out: -2.141+/-3.078 χ^2/NDF:31.2/44

All: -2.351+/-2.204 χ^2/NDF: 71.1/84

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.560+/-0.004 χ^2/NDF: 45251.7/16

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.649+/-0.004 χ^2/NDF: 43977.7/19

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

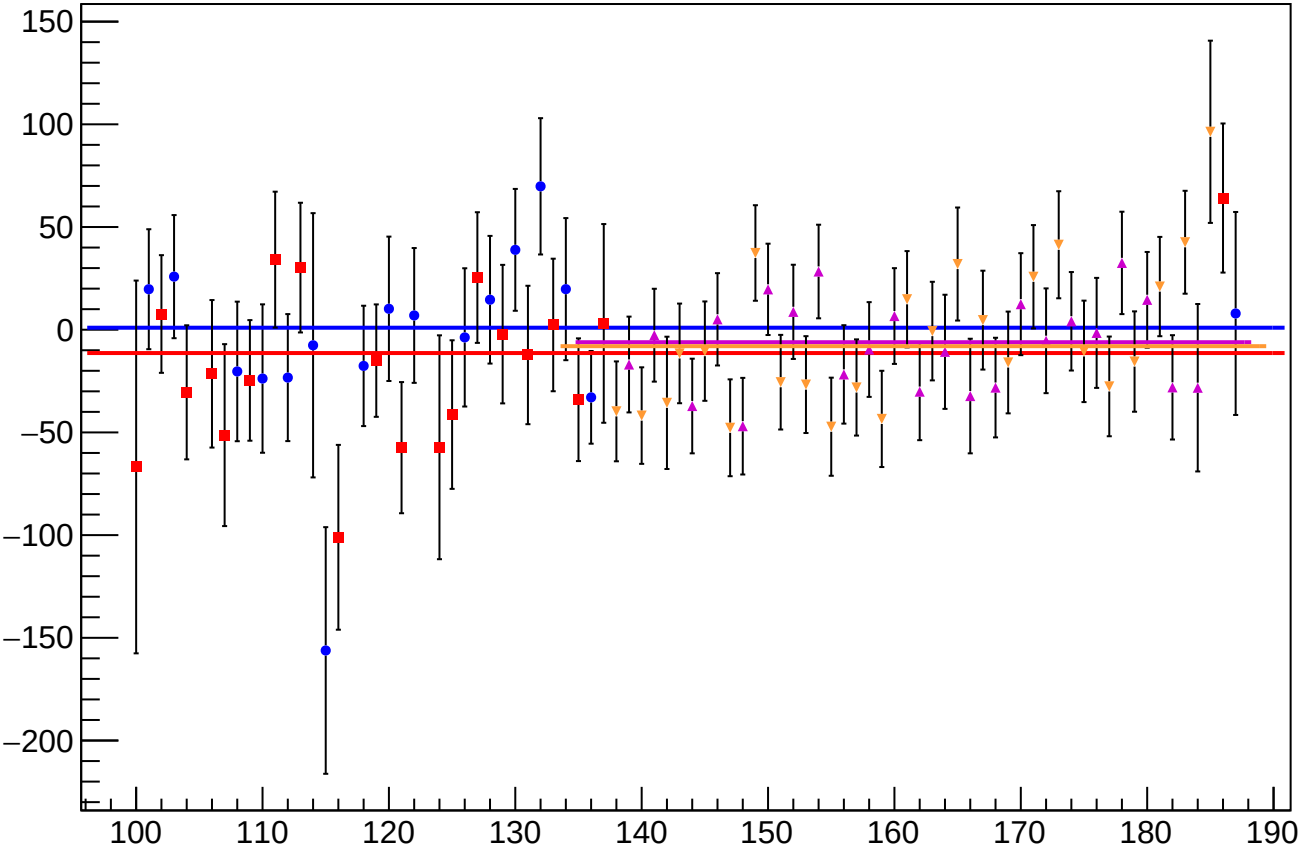
Right: 16.605+/-0.003 χ^2/NDF: 89448.6/36

In: 15.984+/-0.002 χ^2/NDF:221907.4/39

Out: 16.034+/-0.002 χ^2/NDF:246148.3/44

All: 16.009+/-0.002 χ^2/NDF: 468312.1/84

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.977+/-8.017 χ^2/NDF: 18.7/16

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -11.357+/-7.769 χ^2/NDF: 19.9/19

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

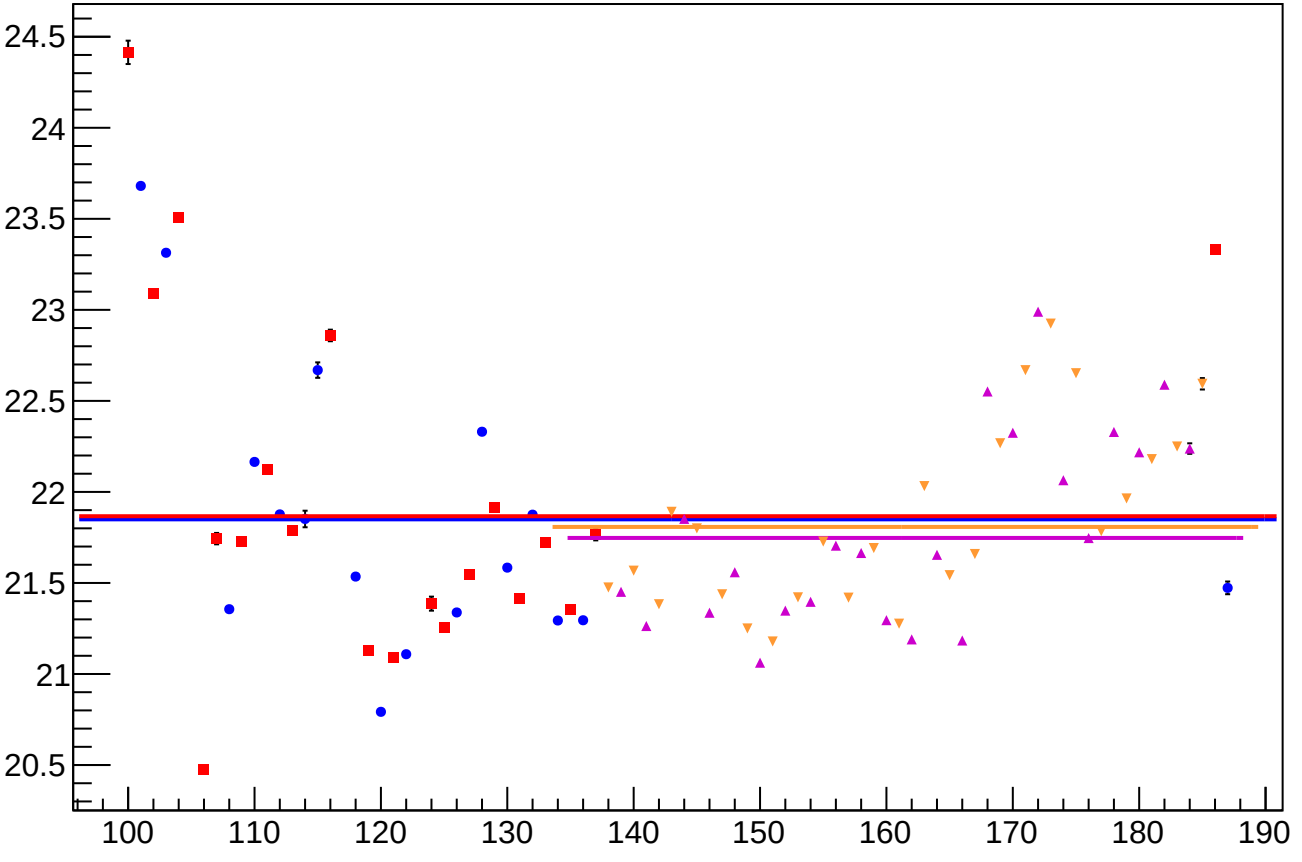
Right: -5.384+/-5.579 χ^2/NDF: 39.8/36

In: -4.063+/-4.291 χ^2/NDF:37.1/39

Out: -8.982+/-4.178 χ^2/NDF:58.9/44

All: -6.588+/-2.994 χ^2/NDF: 96.7/84

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.849+/-0.006 χ^2/NDF: 19587.3/16

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.867+/-0.005 χ^2/NDF: 22273.8/19

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

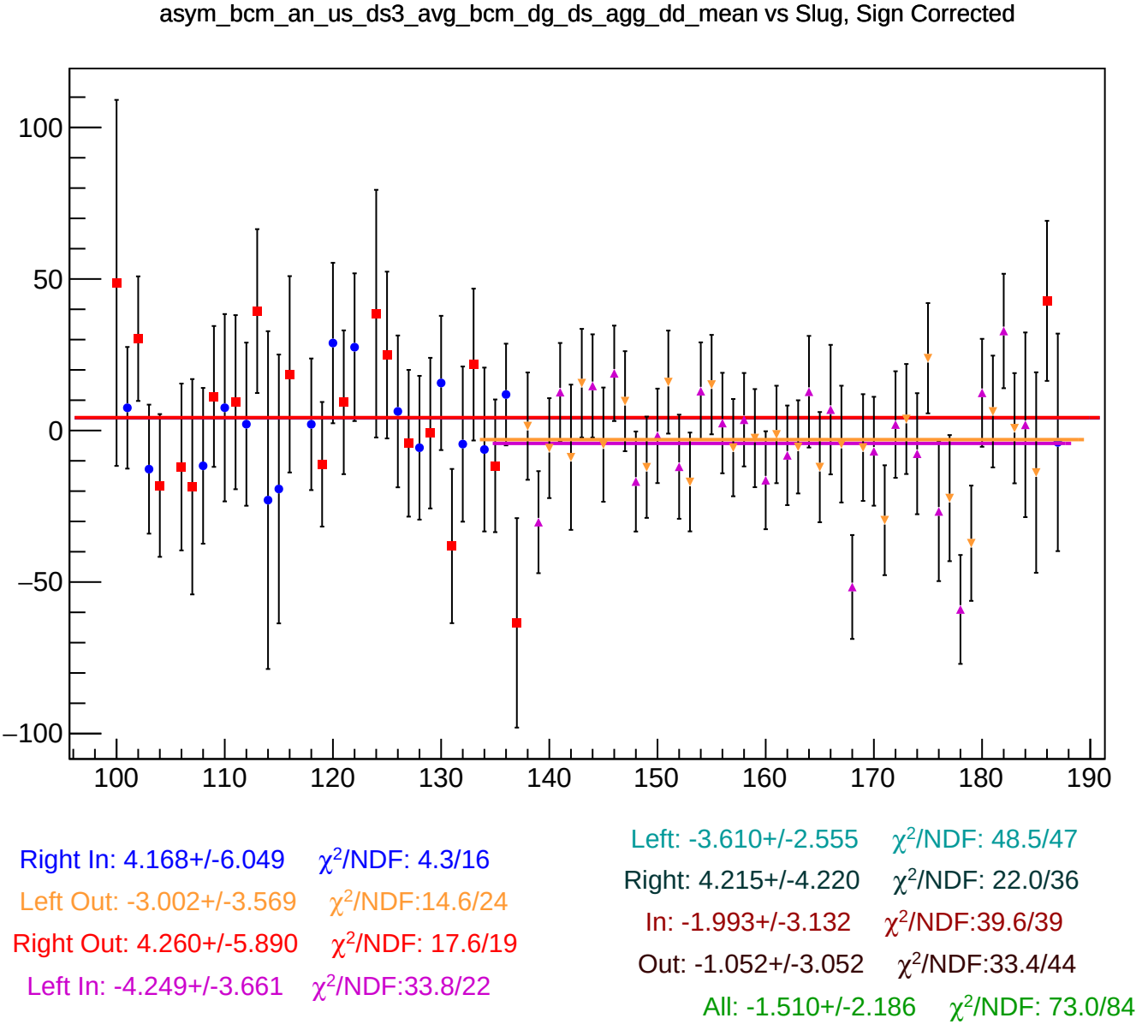
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.858+/-0.004 χ^2/NDF: 41865.8/36

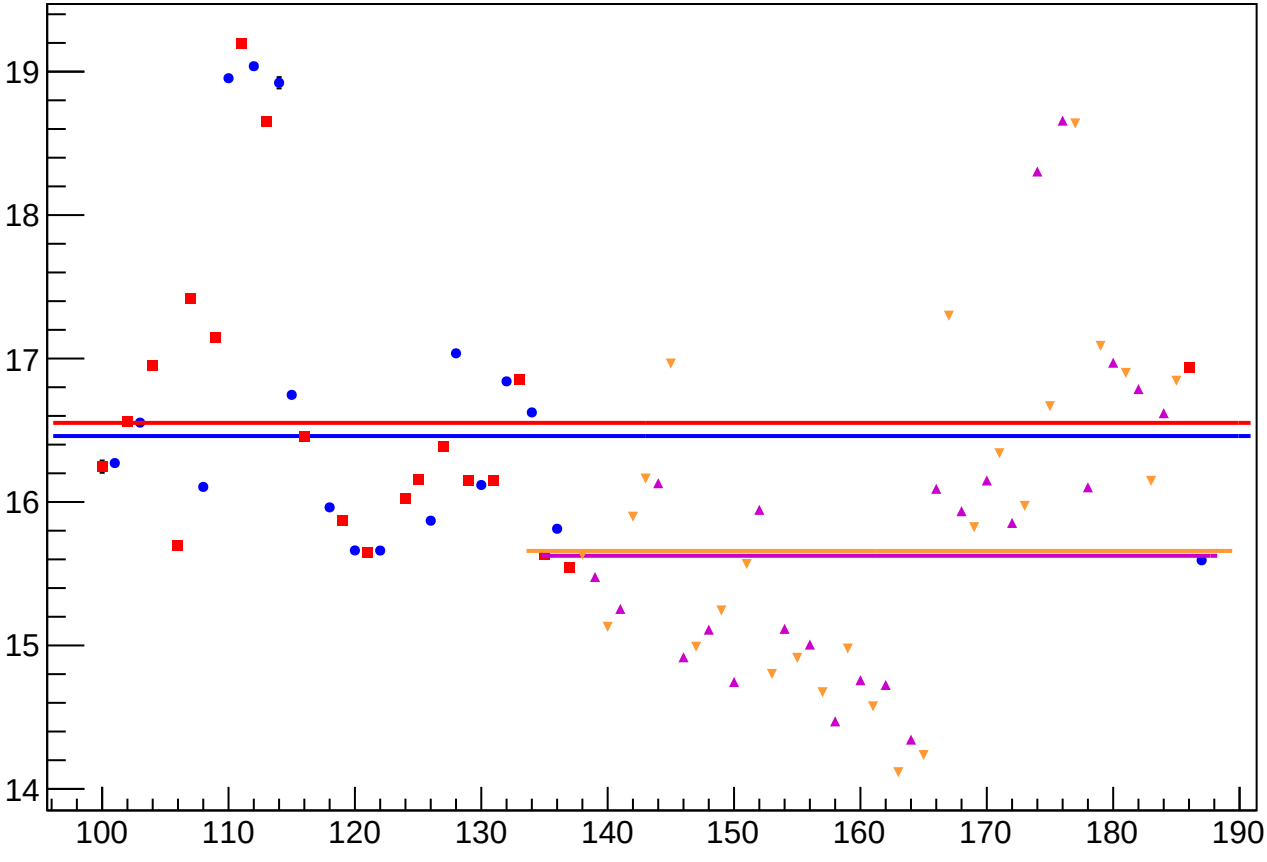
In: 21.777+/-0.003 χ^2/NDF:40379.6/39

Out: 21.825+/-0.003 χ^2/NDF:39916.3/44

All: 21.801+/-0.002 χ^2/NDF: 80425.4/84


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: 4.168+/-6.049 χ²/NDF: 4.3/16
Left Out: -3.002+/-3.569 χ²/NDF:14.6/24
Right Out: 4.260+/-5.890 χ²/NDF: 17.6/19
Left In: -4.249+/-3.661 χ²/NDF:33.8/22
Left: -3.610+/-2.555 χ²/NDF: 48.5/47
Right: 4.215+/-4.220 χ²/NDF: 22.0/36
In: -1.993+/-3.132 χ²/NDF:39.6/39
Out: -1.052+/-3.052 χ²/NDF:33.4/44
All: -1.510+/-2.186 χ²/NDF: 73.0/84

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.460+/-0.004 χ^2/NDF: 48385.1/16

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.552+/-0.004 χ^2/NDF: 46926.8/19

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

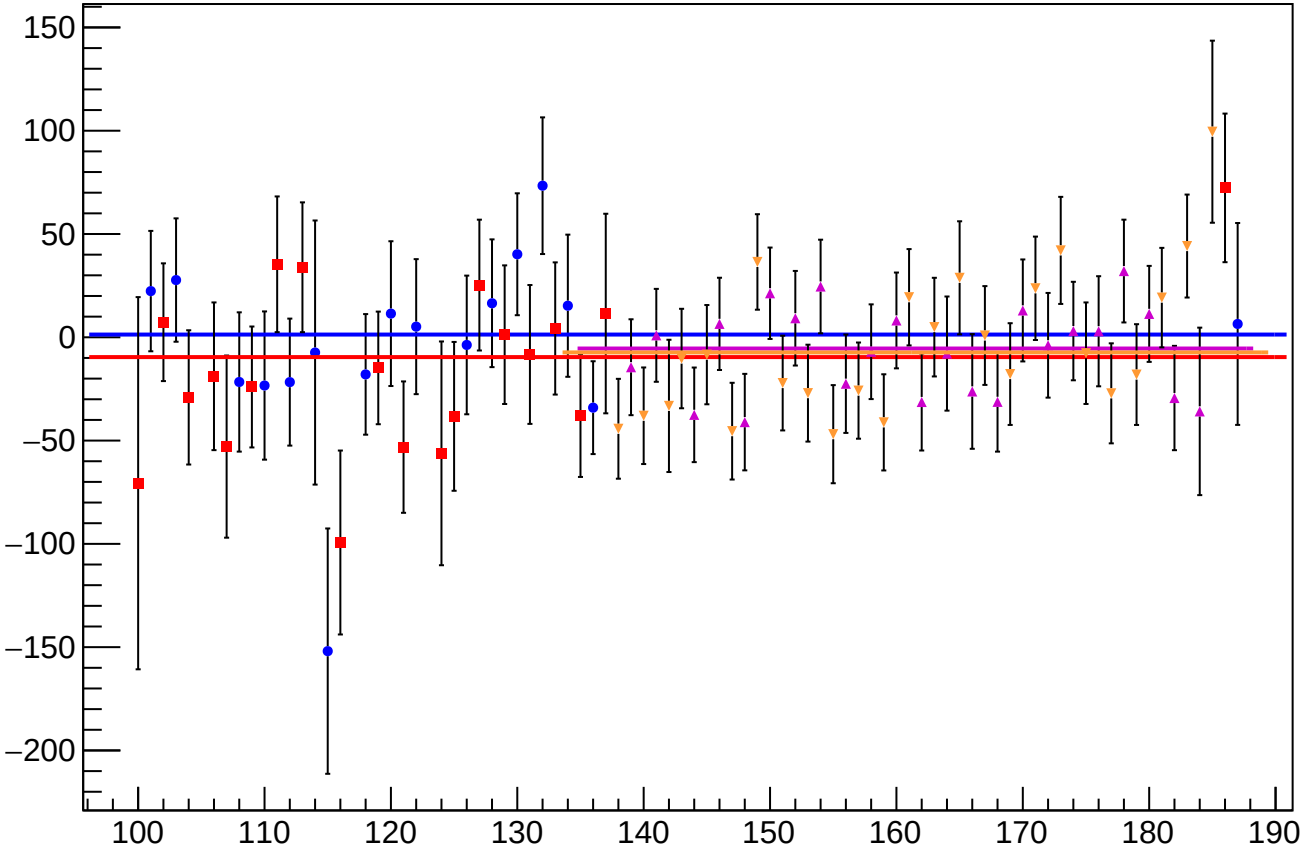
Right: 16.507+/-0.003 χ^2/NDF: 95548.2/36

In: 15.849+/-0.002 χ^2/NDF:226692.2/39

Out: 15.899+/-0.002 χ^2/NDF:250365.0/44

All: 15.874+/-0.002 χ^2/NDF: 477316.9/84

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.325+/-7.979 χ^2/NDF: 19.4/16

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.583+/-7.730 χ^2/NDF: 21.4/19

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

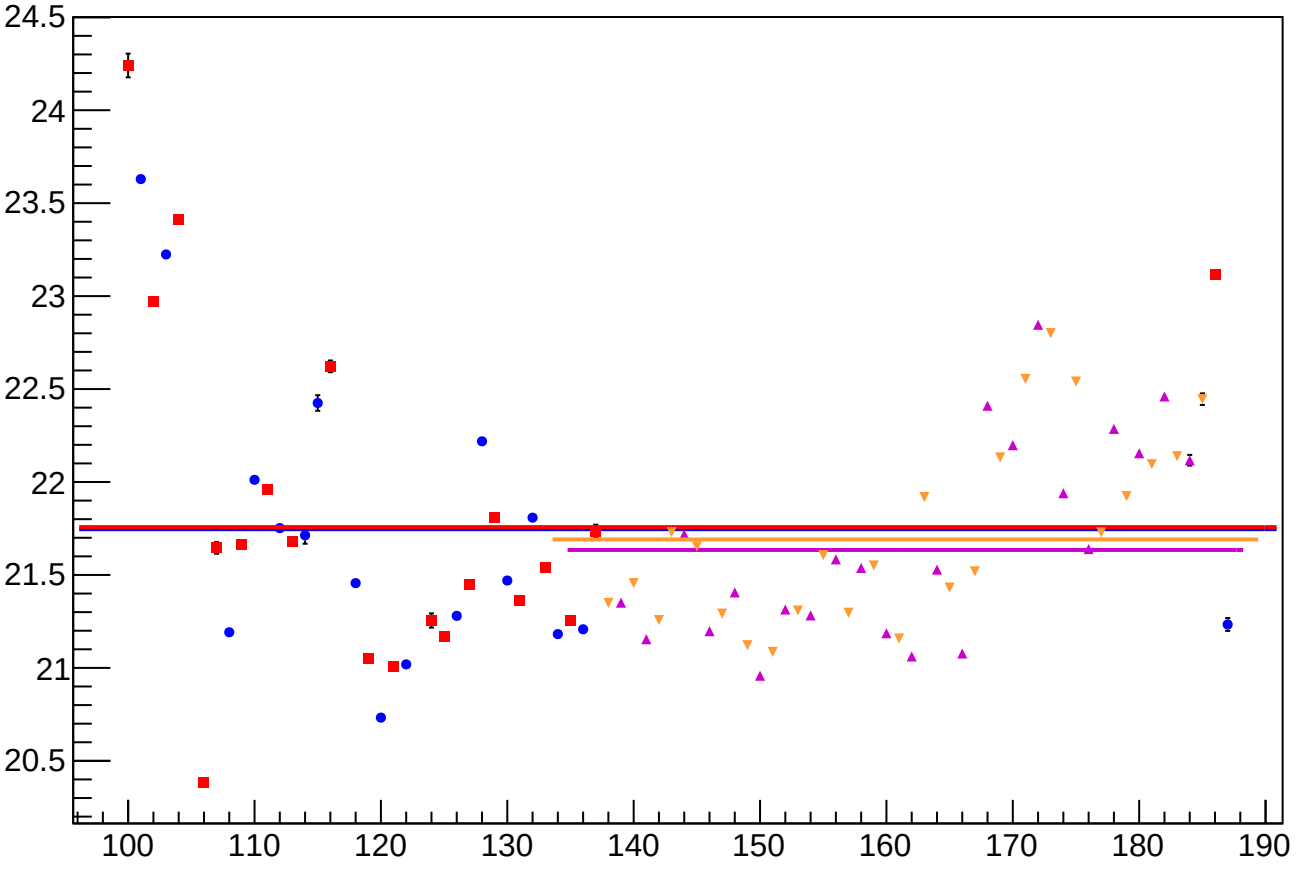
Right: -4.302+/-5.552 χ^2/NDF: 41.7/36

In: -3.499+/-4.269 χ^2/NDF:37.2/39

Out: -7.973+/-4.156 χ^2/NDF:60.1/44

All: -5.796+/-2.978 χ^2/NDF: 97.8/84

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.746+/-0.006 χ^2/NDF: 19971.8/16

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.757+/-0.005 χ^2/NDF: 21322.2/19

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

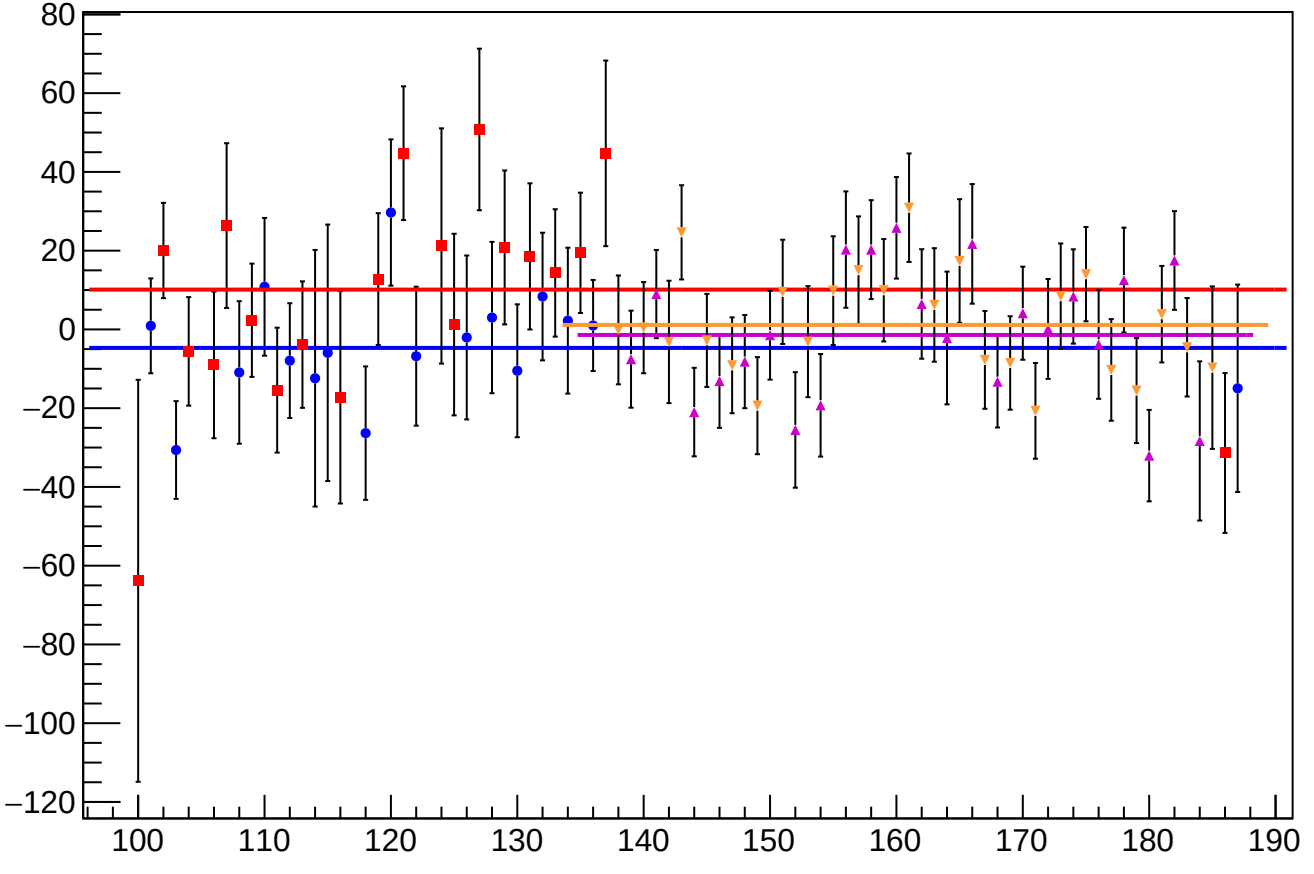
Right: 21.752+/-0.004 χ^2/NDF: 41296.0/36

In: 21.666+/-0.003 χ^2/NDF:40813.1/39

Out: 21.710+/-0.003 χ^2/NDF:39362.3/44

All: 21.689+/-0.002 χ^2/NDF: 80282.4/84

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.692+/-4.081 χ^2/NDF: 12.1/16

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 10.115+/-4.016 χ^2/NDF: 26.1/19

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

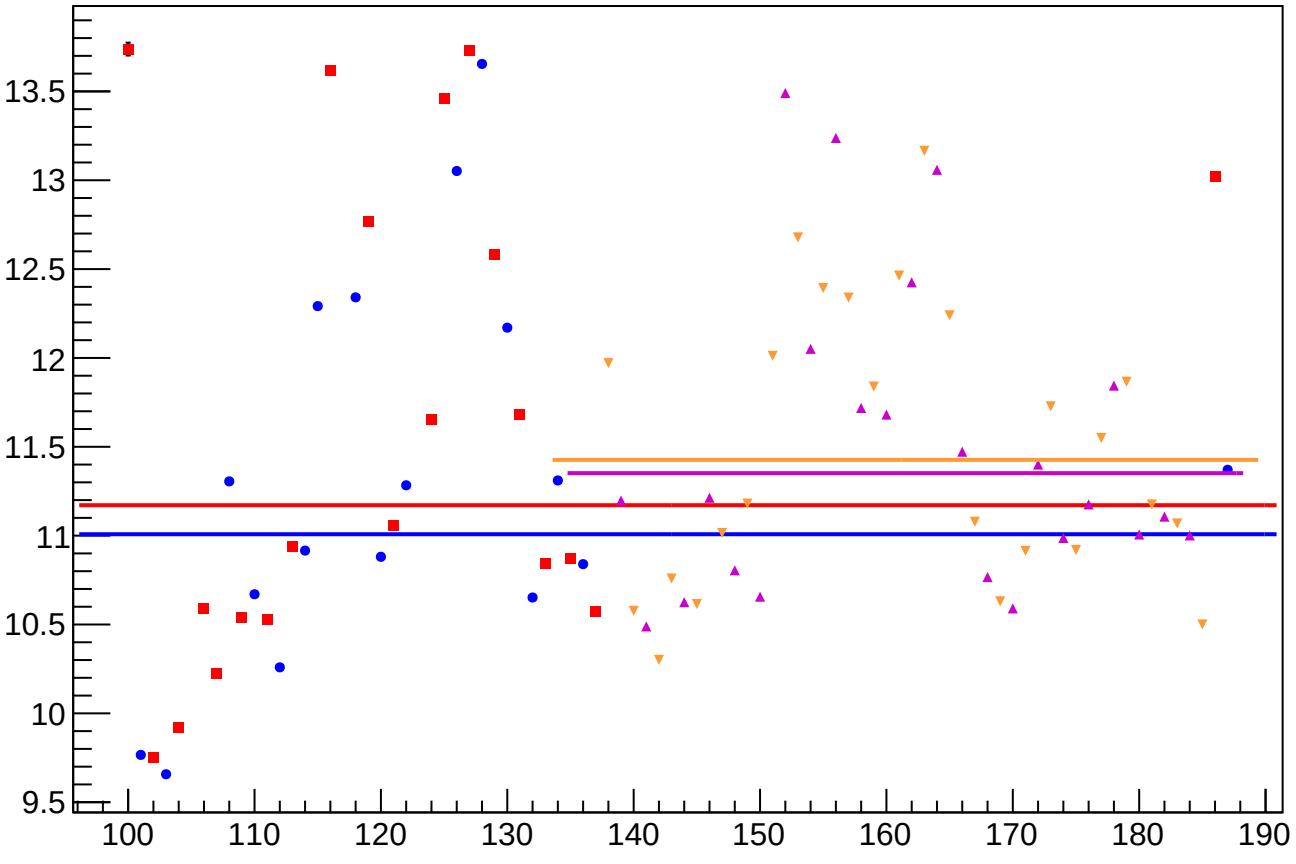
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: 2.829+/-2.863 χ^2/NDF: 44.9/36

In: -2.394+/-2.237 χ^2/NDF:48.9/39

Out: 3.818+/-2.194 χ^2/NDF:54.1/44

All: 0.771+/-1.566 χ^2/NDF: 107.0/84



Right In: 11.008+/-0.003 χ^2/NDF: 136547.5/16

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.171+/-0.003 χ^2/NDF: 180220.0/19

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

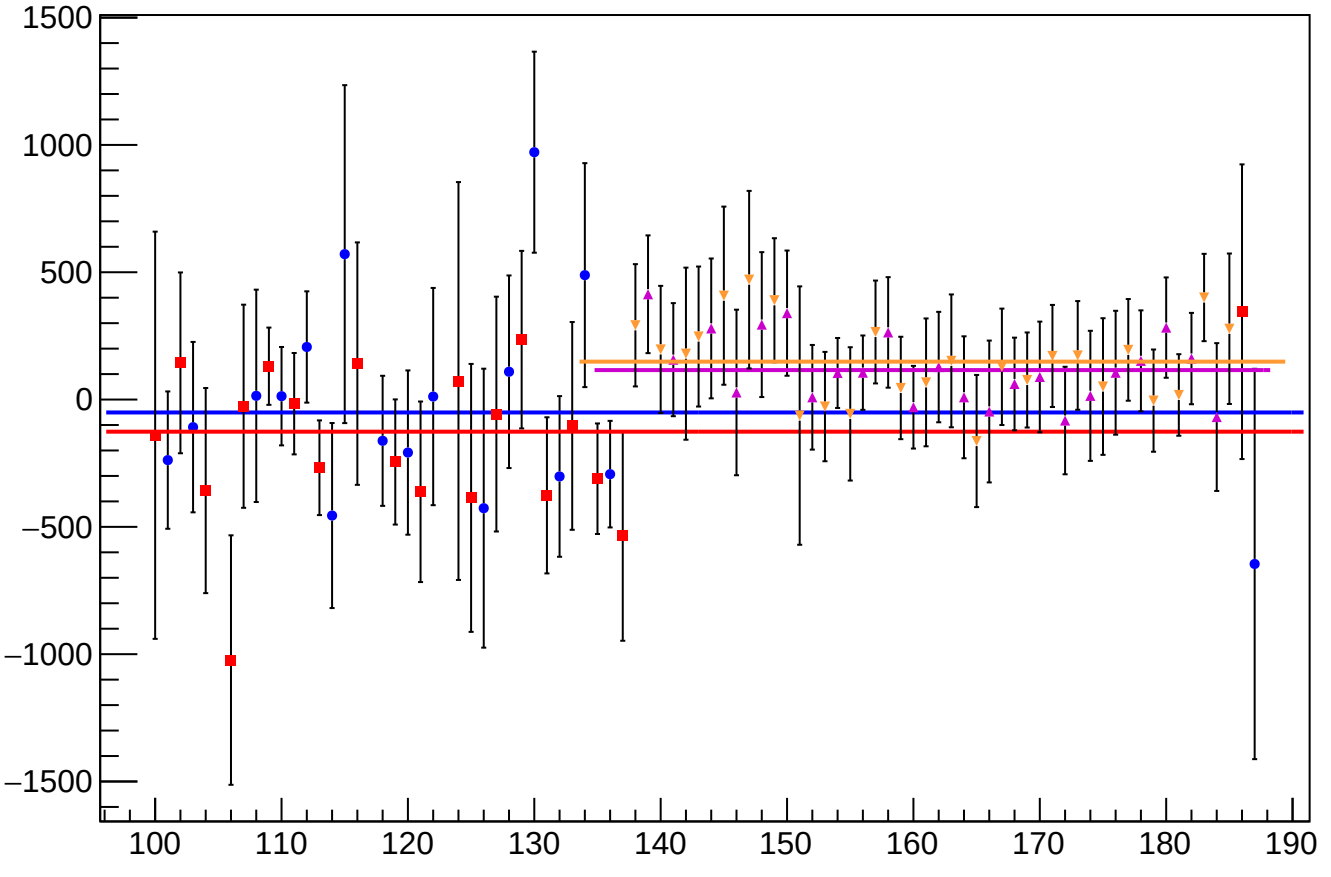
Right: 11.091+/-0.002 χ^2/NDF: 318397.1/36

In: 11.248+/-0.002 χ^2/NDF:317039.9/39

Out: 11.350+/-0.002 χ^2/NDF:342853.0/44

All: 11.300+/-0.001 χ^2/NDF: 662007.4/84

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -50.711+/-76.047 χ^2/NDF: 16.0/16

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -126.172+/-67.799 χ^2/NDF: 13.5/19

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

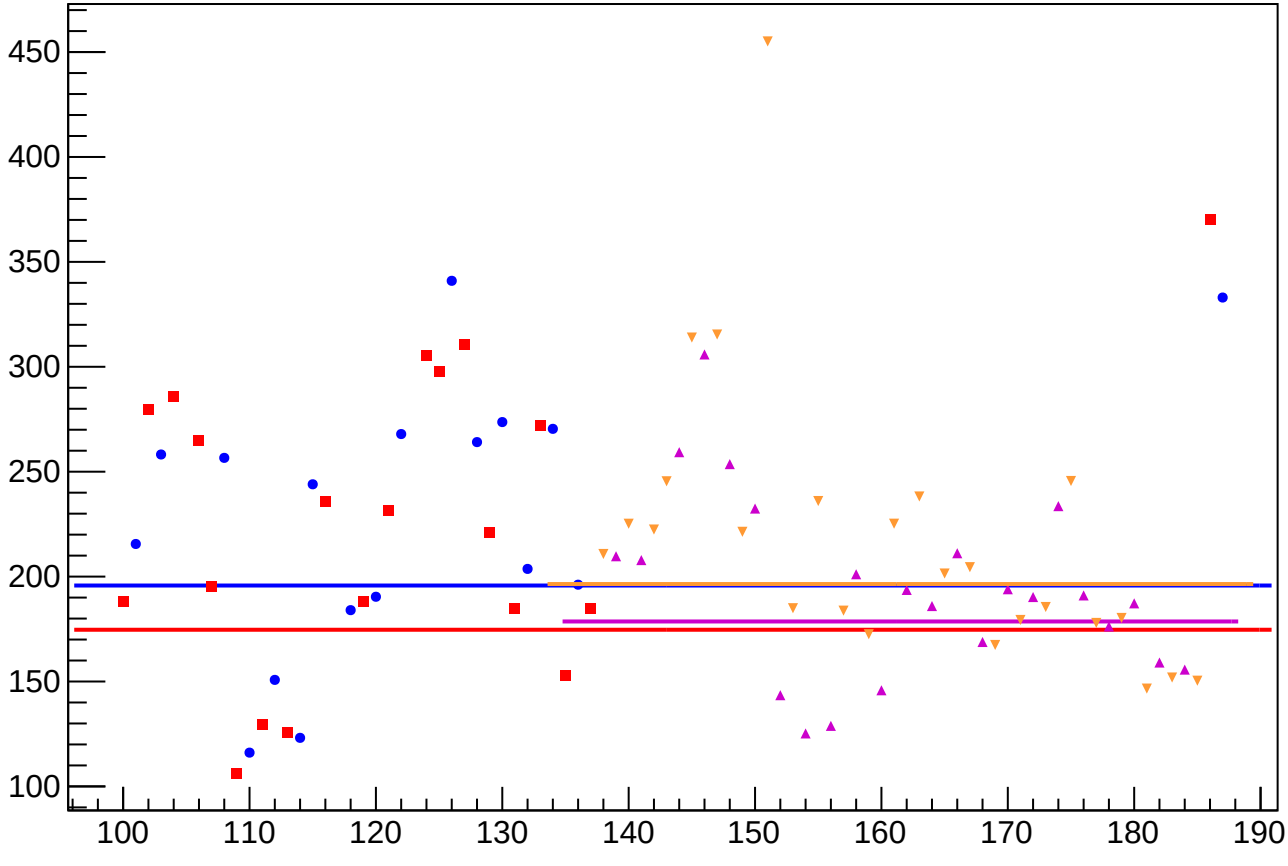
Right: -92.754+/-50.607 χ^2/NDF: 30.1/36

In: 74.480+/-37.851 χ^2/NDF:27.4/39

Out: 61.405+/-38.239 χ^2/NDF:35.2/44

All: 68.009+/-26.901 χ^2/NDF: 62.7/84

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.749+/-0.054 χ^2/NDF: 1106782.1/16

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 174.668+/-0.048 χ^2/NDF: 1882423.0/19

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

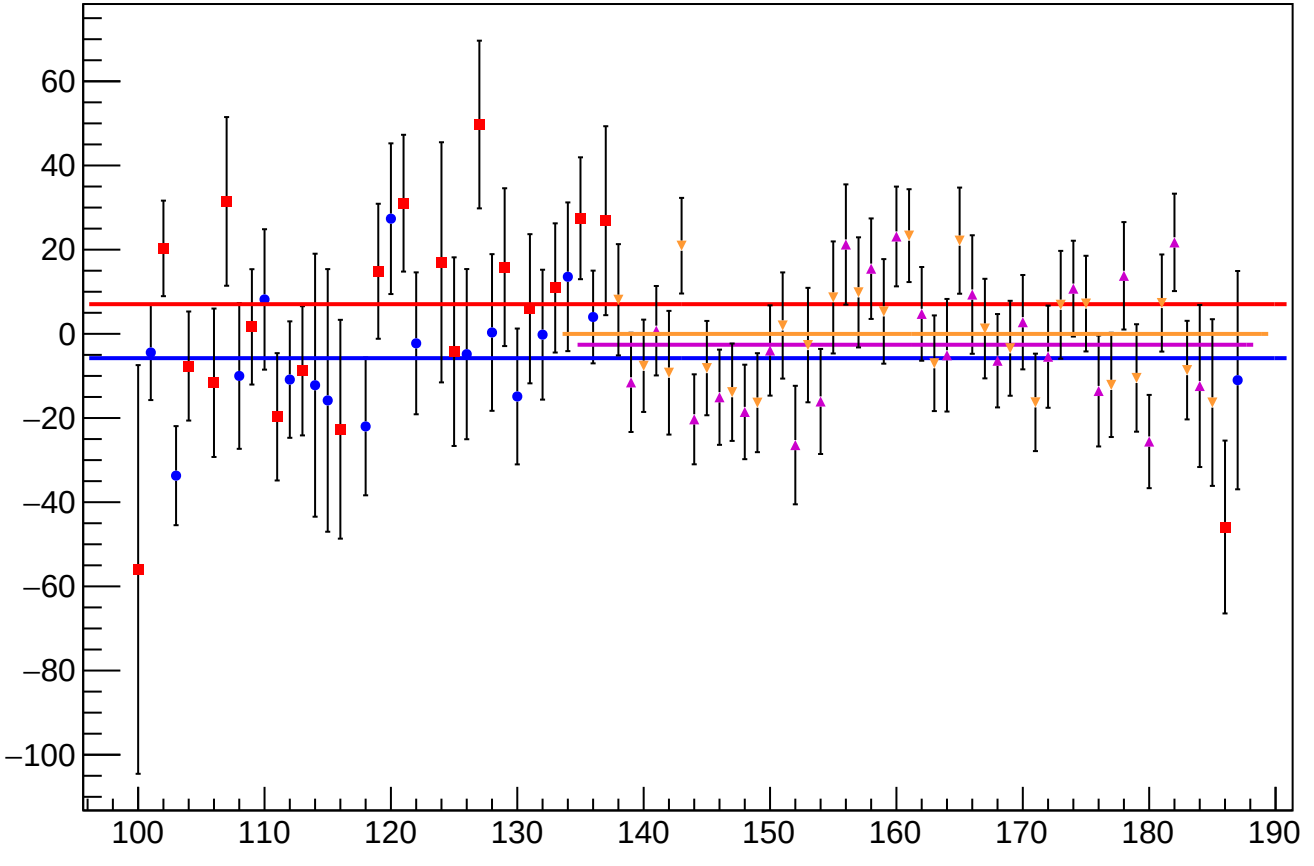
Right: 184.004+/-0.036 χ^2/NDF: 3074839.7/36

In: 182.859+/-0.027 χ^2/NDF:2862031.1/39

Out: 189.524+/-0.027 χ^2/NDF:3841994.7/44

All: 186.158+/-0.019 χ^2/NDF: 6734716.6/84

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.778+/-3.894 χ^2/NDF: 13.7/16

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 7.049+/-3.832 χ^2/NDF: 29.7/19

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

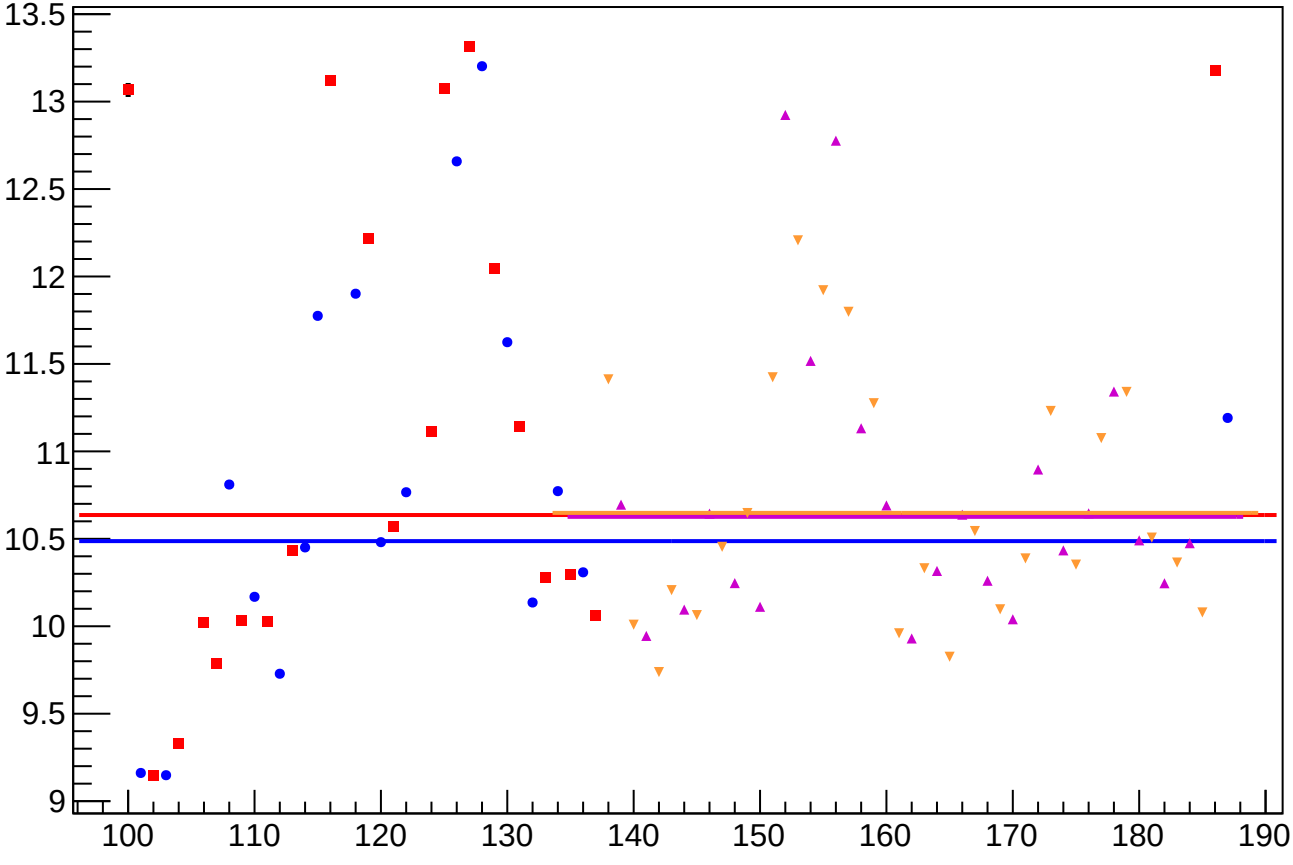
Right: 0.739+/-2.732 χ^2/NDF: 48.9/36

In: -3.524+/-2.107 χ^2/NDF:49.0/39

Out: 2.026+/-2.061 χ^2/NDF:55.8/44

All: -0.687+/-1.473 χ^2/NDF: 108.4/84

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.487+/-0.003 χ^2/NDF: 158875.2/16

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.636+/-0.003 χ^2/NDF: 218500.5/19

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

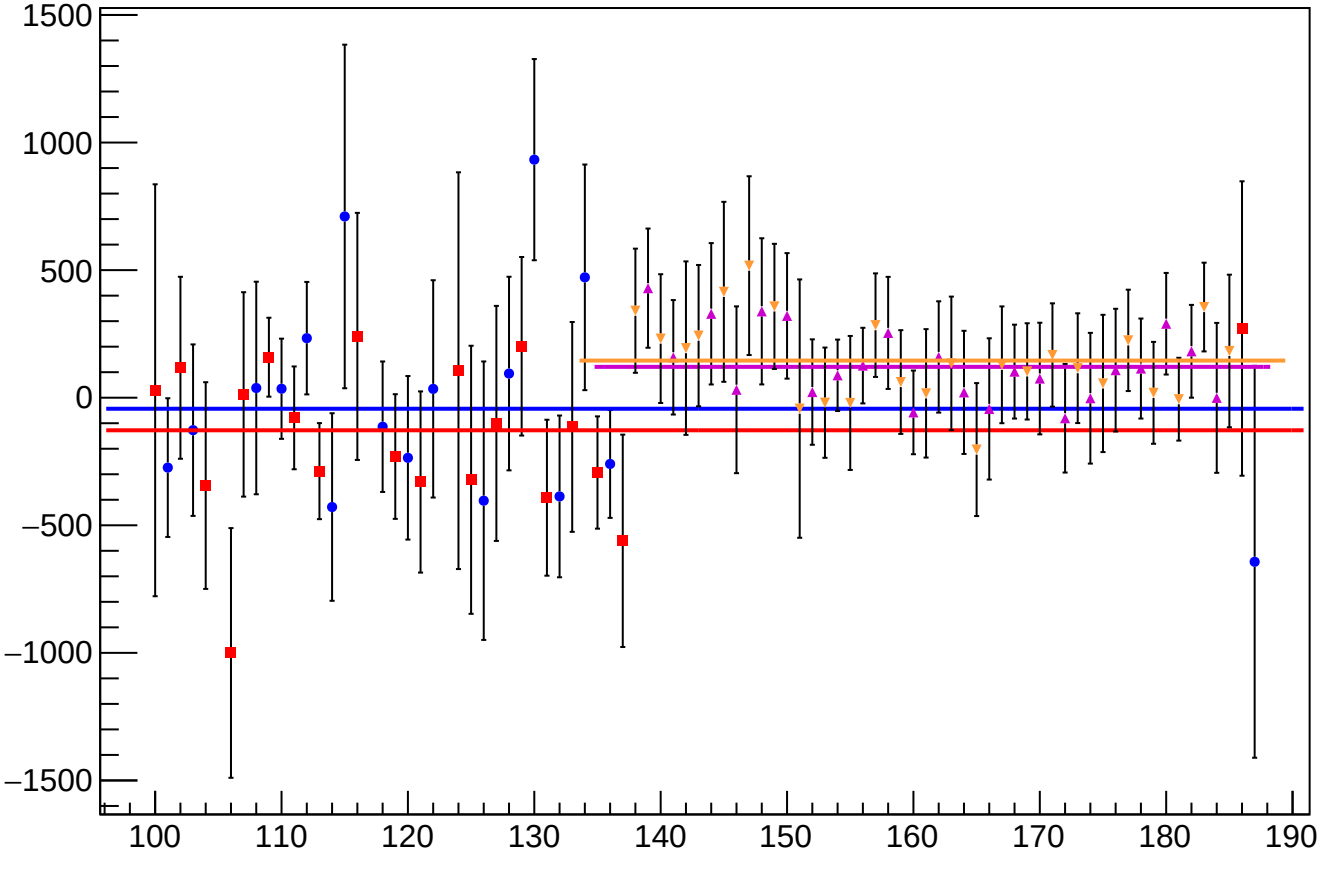
Right: 10.563+/-0.002 χ^2/NDF: 378866.9/36

In: 10.585+/-0.001 χ^2/NDF:320215.4/39

Out: 10.645+/-0.001 χ^2/NDF:362050.9/44

All: 10.616+/-0.001 χ^2/NDF: 683086.7/84

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.259+/-76.532 χ^2/NDF: 16.3/16

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -127.699+/-68.399 χ^2/NDF: 13.4/19

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

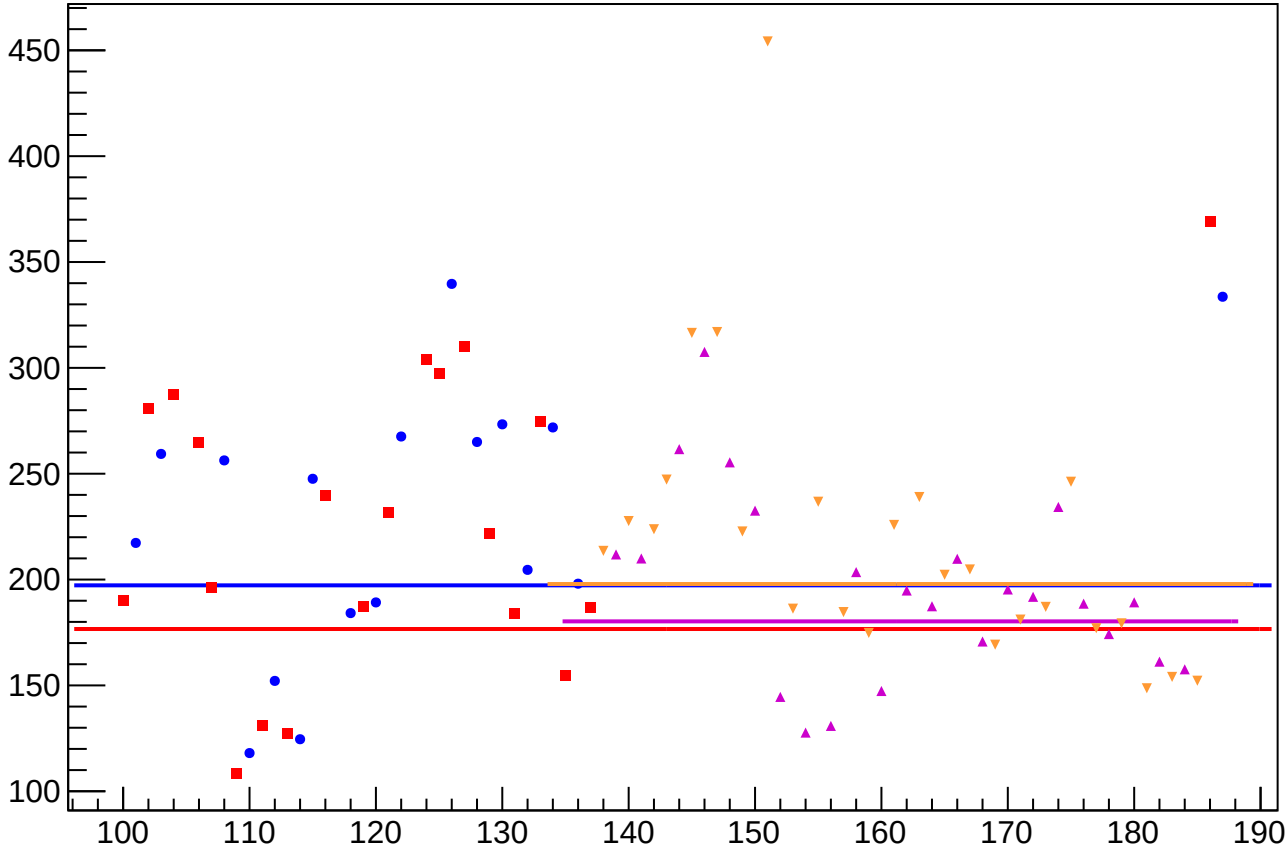
Right: -90.203+/-50.999 χ^2/NDF: 30.3/36

In: 80.118+/-38.141 χ^2/NDF:28.0/39

Out: 58.889+/-38.519 χ^2/NDF:34.6/44

All: 69.608+/-27.103 χ^2/NDF: 62.7/84

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.267+/-0.054 χ^2/NDF: 1074678.7/16

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 176.643+/-0.048 χ^2/NDF: 1824926.2/19

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

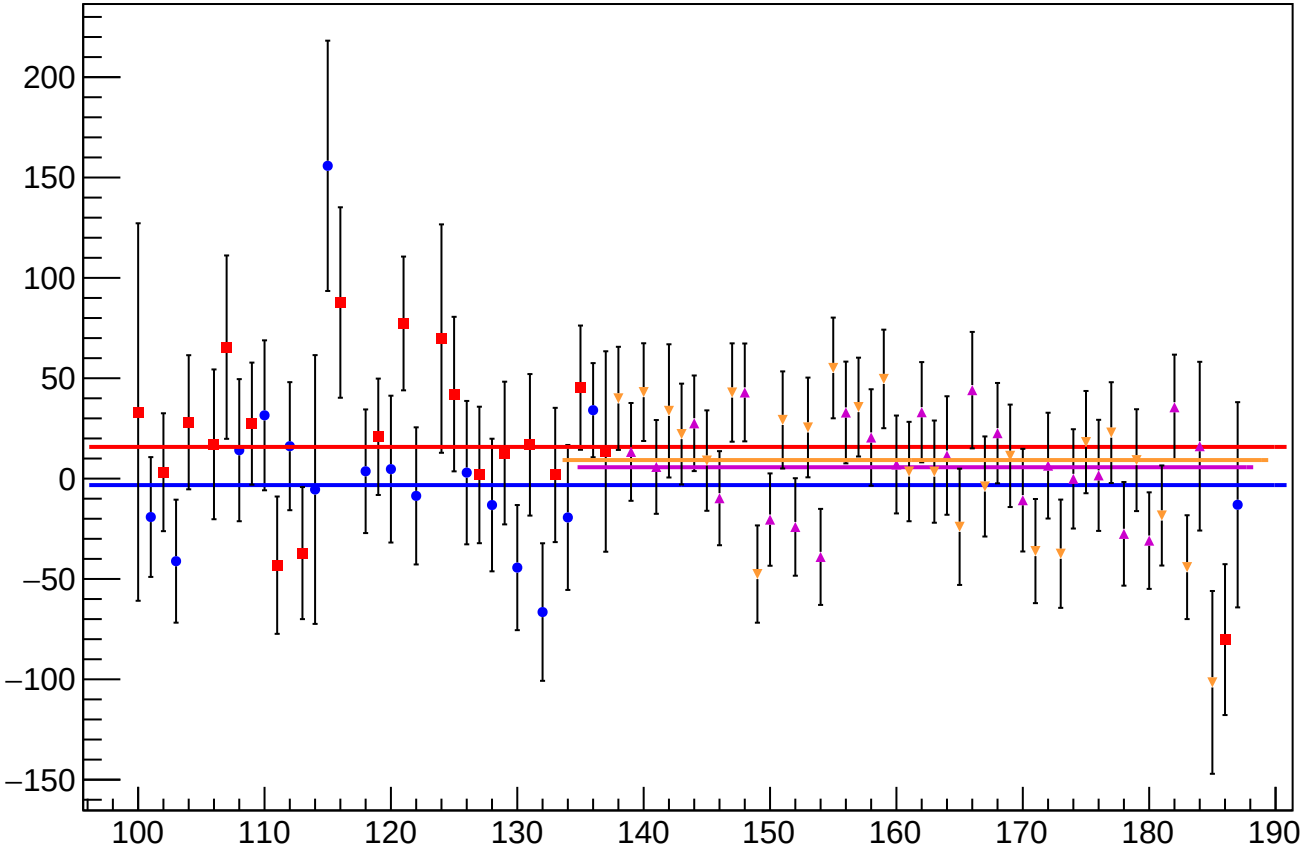
Right: 185.801+/-0.036 χ^2/NDF: 2980354.3/36

In: 184.475+/-0.027 χ^2/NDF:2776797.4/39

Out: 191.152+/-0.027 χ^2/NDF:3745563.6/44

All: 187.781+/-0.019 χ^2/NDF: 6552703.0/84

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.236+/-8.341 χ^2/NDF: 18.0/16

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 15.784+/-8.097 χ^2/NDF: 22.1/19

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

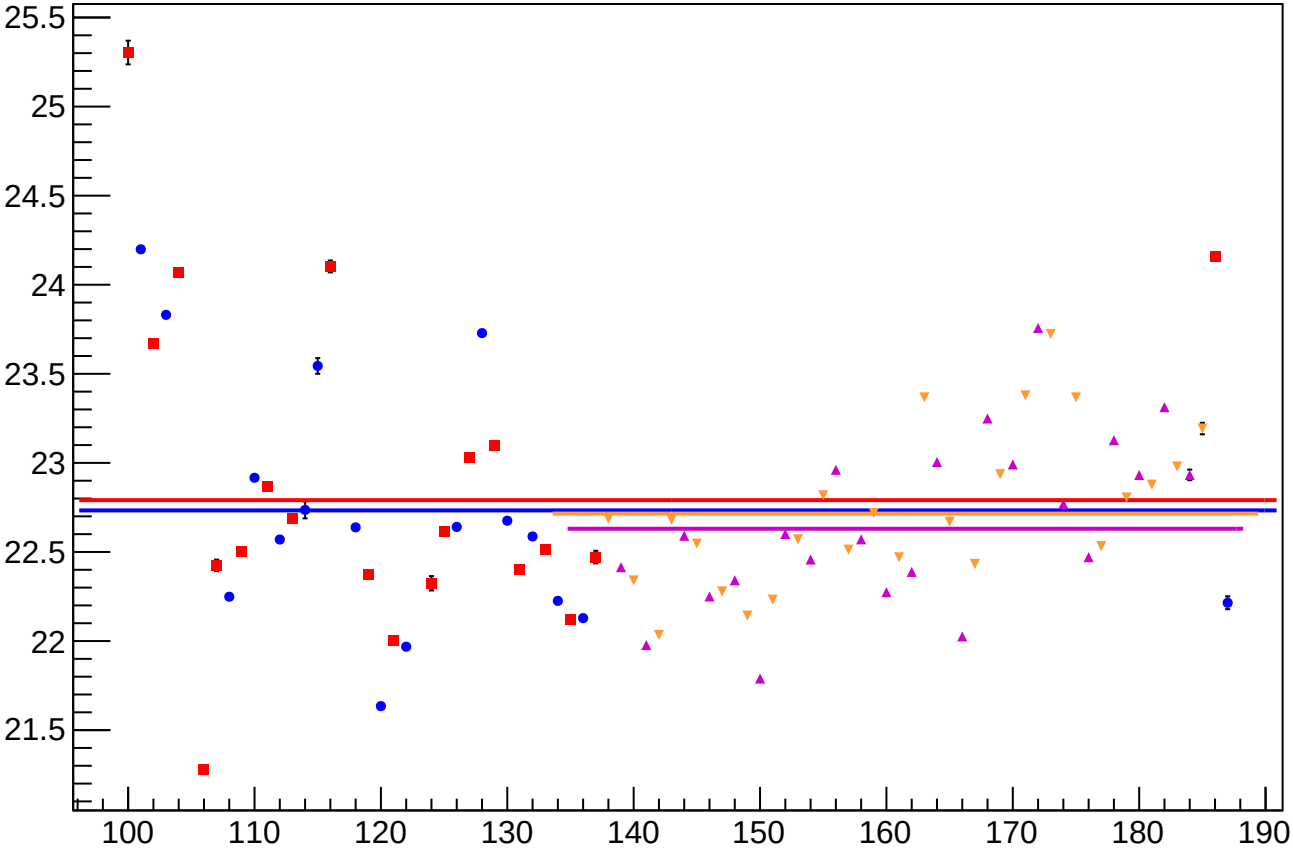
Right: 6.556+/-5.810 χ^2/NDF: 42.8/36

In: 3.116+/-4.465 χ^2/NDF:39.6/39

Out: 11.127+/-4.353 χ^2/NDF:62.0/44

All: 7.224+/-3.117 χ^2/NDF: 103.3/84

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.733+/-0.006 χ^2/NDF: 14834.2/16

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.791+/-0.006 χ^2/NDF: 17272.5/19

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

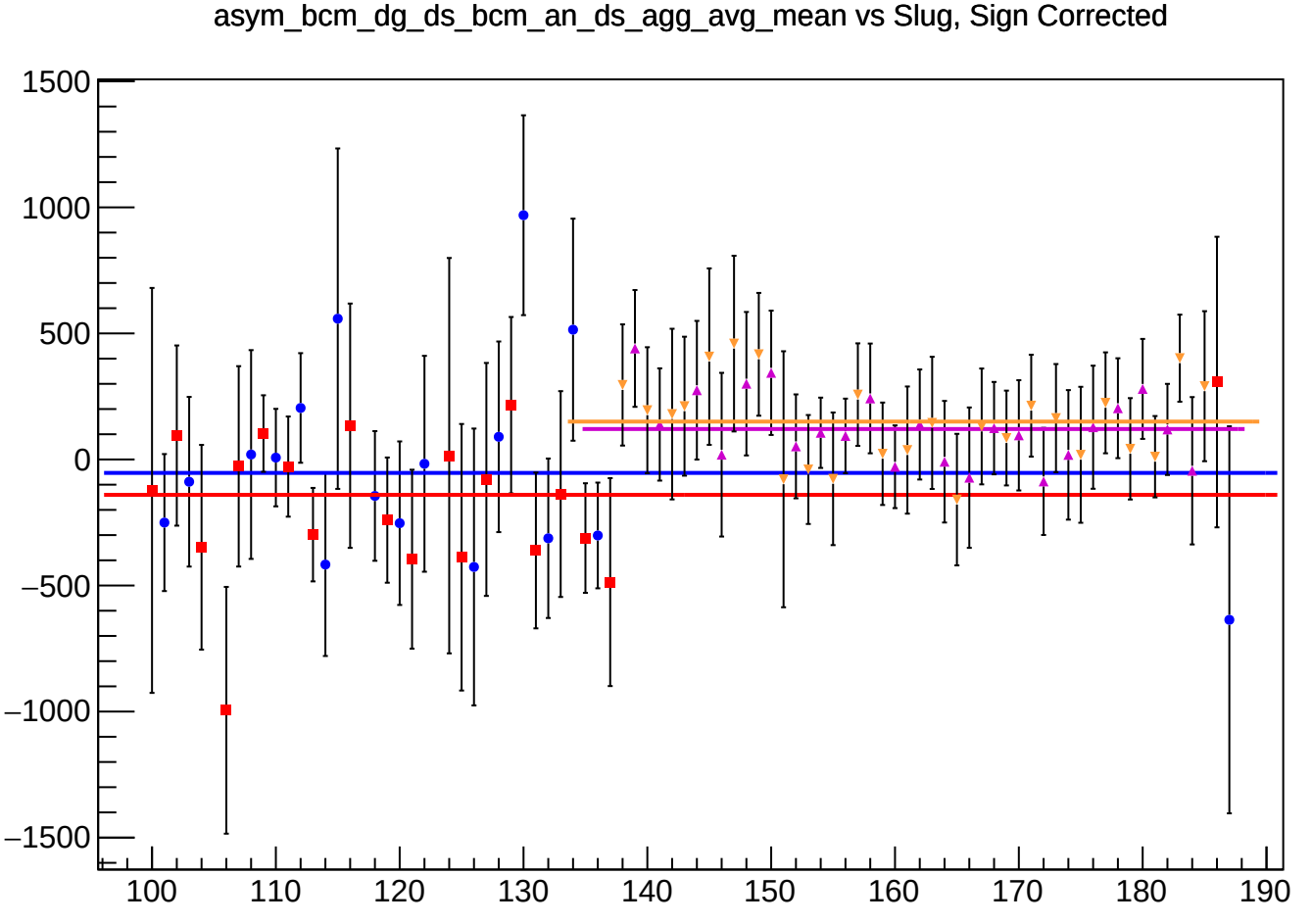
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.763+/-0.004 χ^2/NDF: 32155.7/36

In: 22.660+/-0.003 χ^2/NDF:30442.1/39

Out: 22.737+/-0.003 χ^2/NDF:29577.4/44

All: 22.700+/-0.002 χ^2/NDF: 60326.5/84



Right In: -53.321+/-76.193 χ^2/NDF: 16.0/16

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -140.273+/-67.921 χ^2/NDF: 12.2/19

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

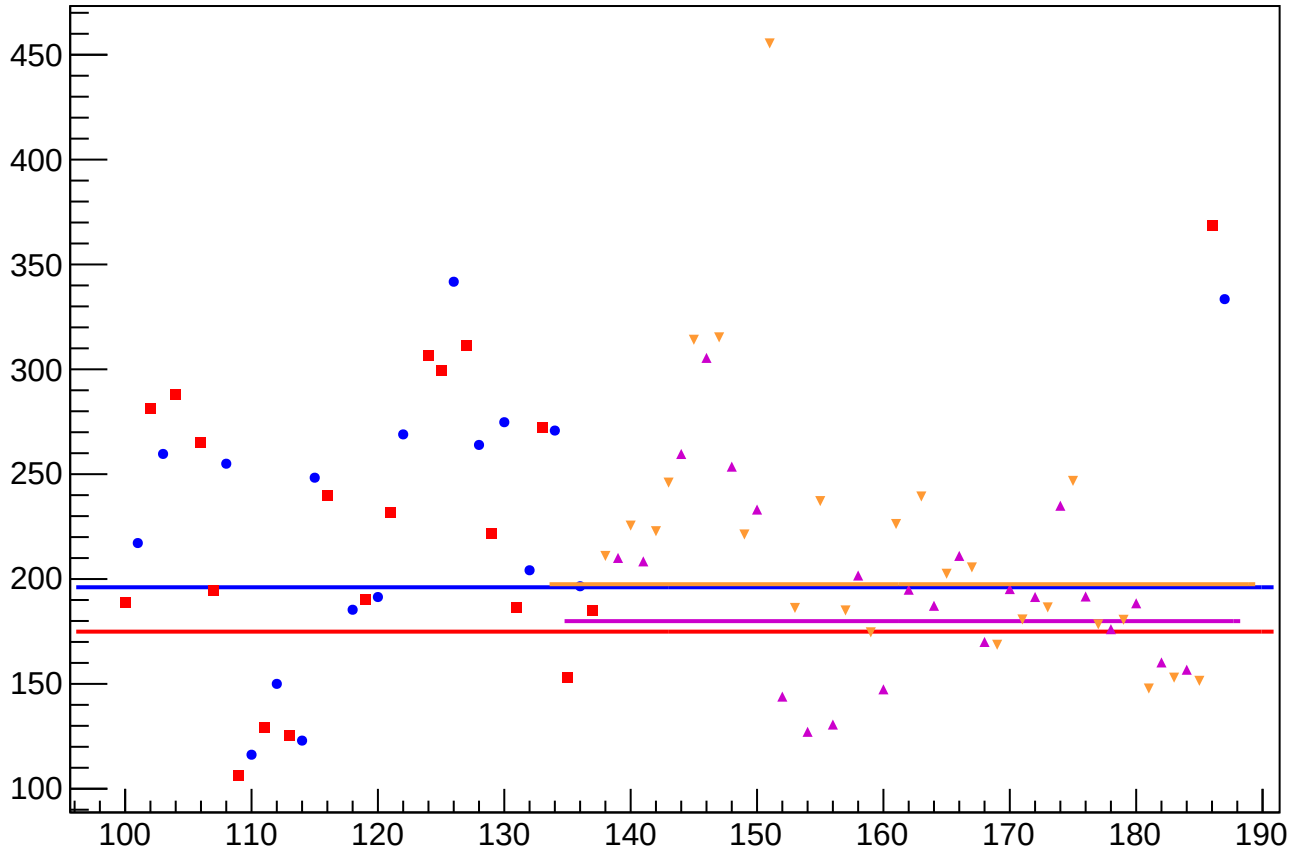
Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

Right: -101.771+/-50.701 χ^2/NDF: 28.9/36

In: 77.343+/-38.051 χ^2/NDF:27.8/39

Out: 57.420+/-38.389 χ^2/NDF:35.6/44

All: 67.470+/-27.025 χ^2/NDF: 63.5/84



Right In: 196.075+/-0.054 χ^2/NDF: 1116996.8/16

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 174.915+/-0.048 χ^2/NDF: 1900328.7/19

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

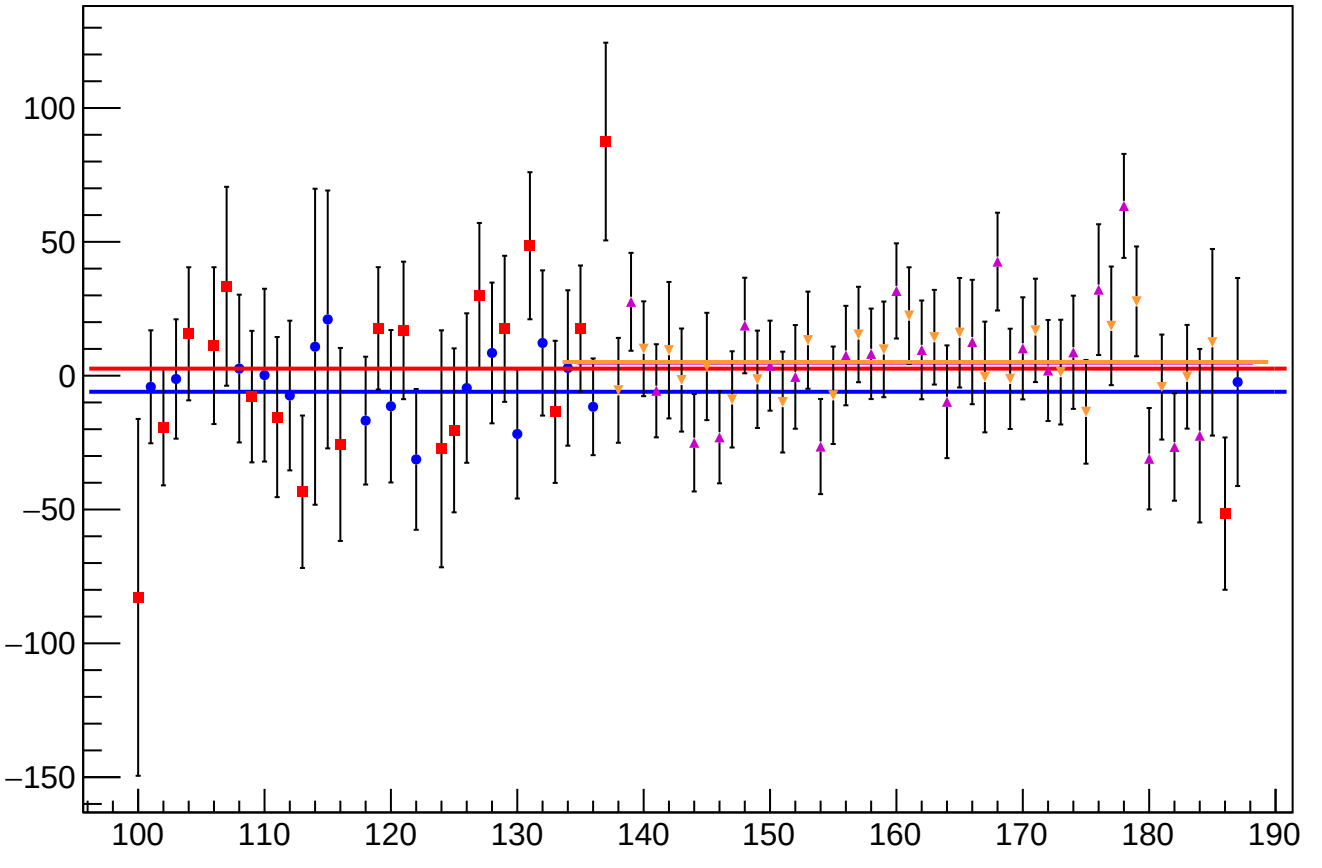
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 184.285+/-0.036 χ^2/NDF: 3103274.9/36

In: 183.952+/-0.027 χ^2/NDF:2808599.7/39

Out: 190.308+/-0.027 χ^2/NDF:3841165.7/44

All: 187.102+/-0.019 χ^2/NDF: 6677427.3/84



Right In: -6.014+/-6.500 χ^2/NDF: 3.1/16

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 2.636+/-6.345 χ^2/NDF: 23.0/19

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

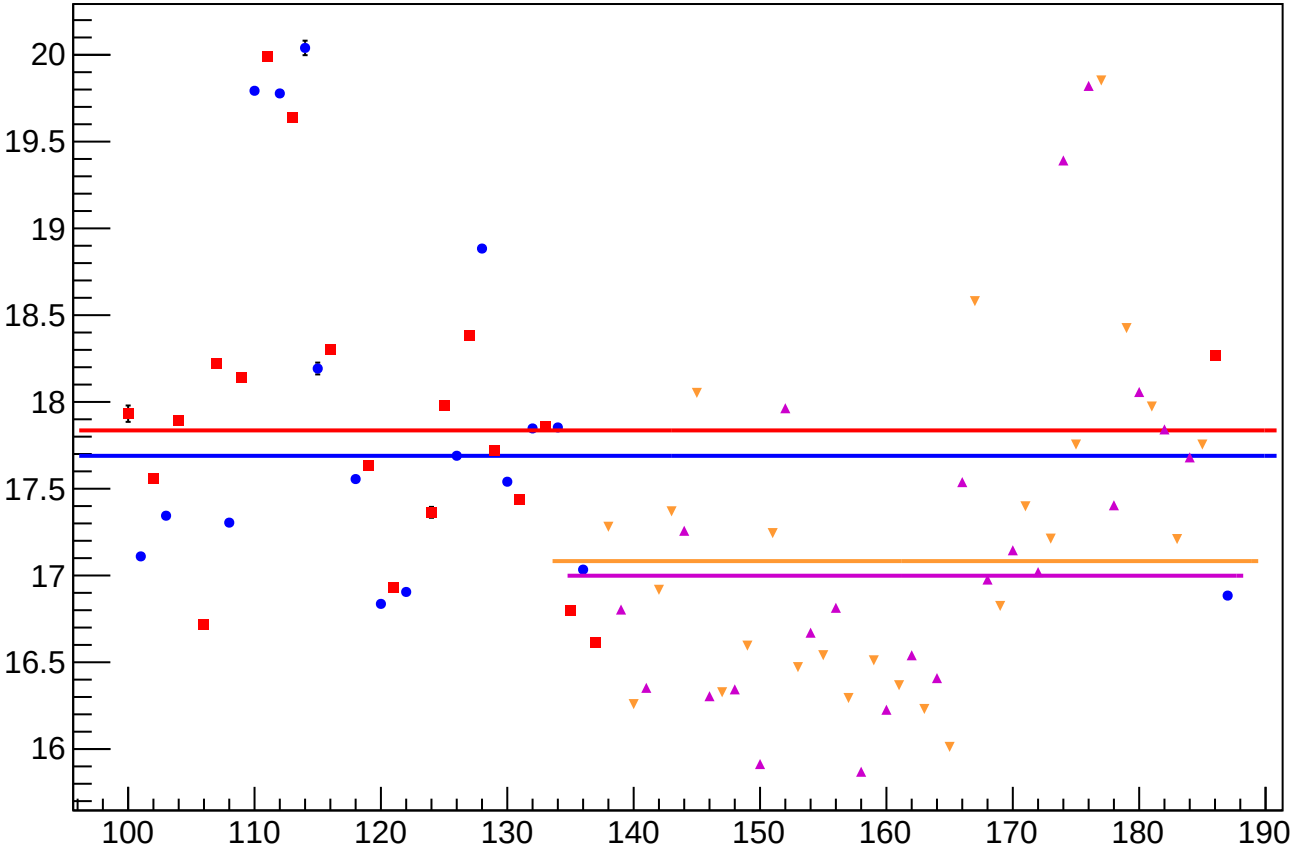
Right: -1.585+/-4.540 χ^2/NDF: 27.0/36

In: 1.893+/-3.394 χ^2/NDF:40.7/39

Out: 4.441+/-3.316 χ^2/NDF:31.0/44

All: 3.196+/-2.372 χ^2/NDF: 72.0/84

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.689+/-0.005 χ^2/NDF: 36866.9/16

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.836+/-0.004 χ^2/NDF: 33202.5/19

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

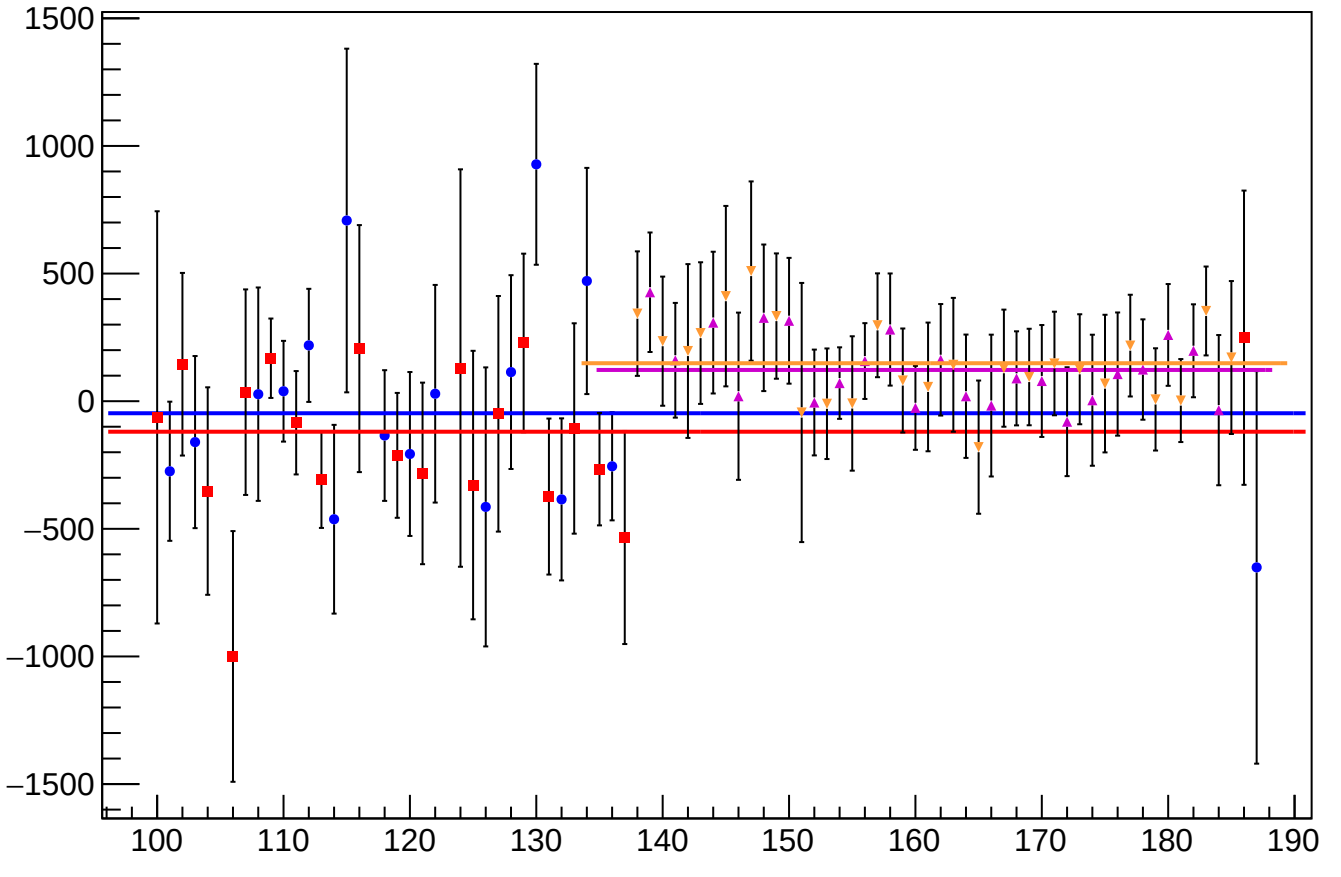
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 17.764+/-0.003 χ^2/NDF: 70589.5/36

In: 17.187+/-0.002 χ^2/NDF:157316.9/39

Out: 17.289+/-0.002 χ^2/NDF:150453.2/44

All: 17.239+/-0.002 χ^2/NDF: 308685.1/84



Right In: -47.191+/-76.754 χ^2/NDF: 16.2/16

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -119.577+/-68.617 χ^2/NDF: 13.3/19

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

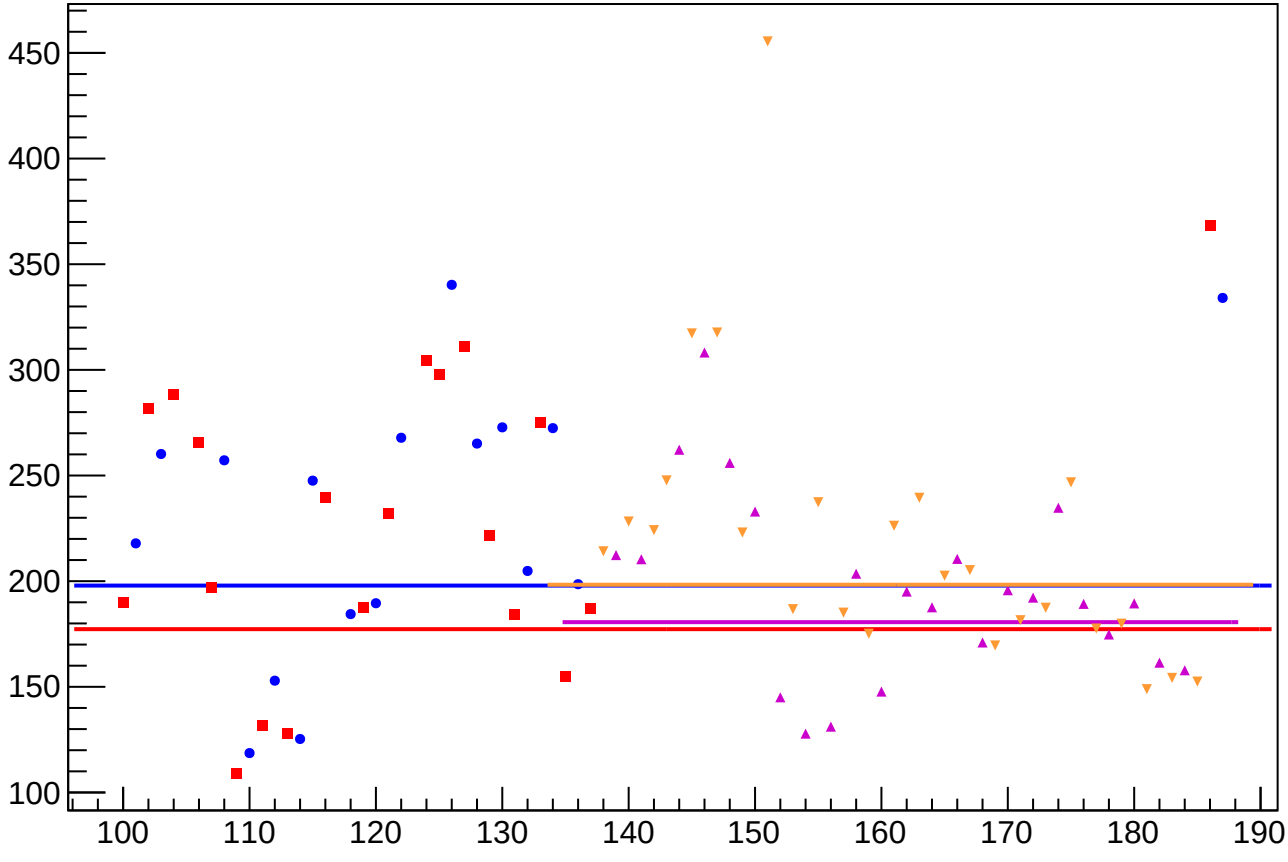
Right: -87.423+/-51.155 χ^2/NDF: 30.0/36

In: 80.318+/-38.225 χ^2/NDF:27.8/39

Out: 63.777+/-38.615 χ^2/NDF:33.3/44

All: 72.132+/-27.166 χ^2/NDF: 61.2/84

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.912+/-0.054 χ^2/NDF: 1064086.6/16

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 177.290+/-0.049 χ^2/NDF: 1812123.5/19

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

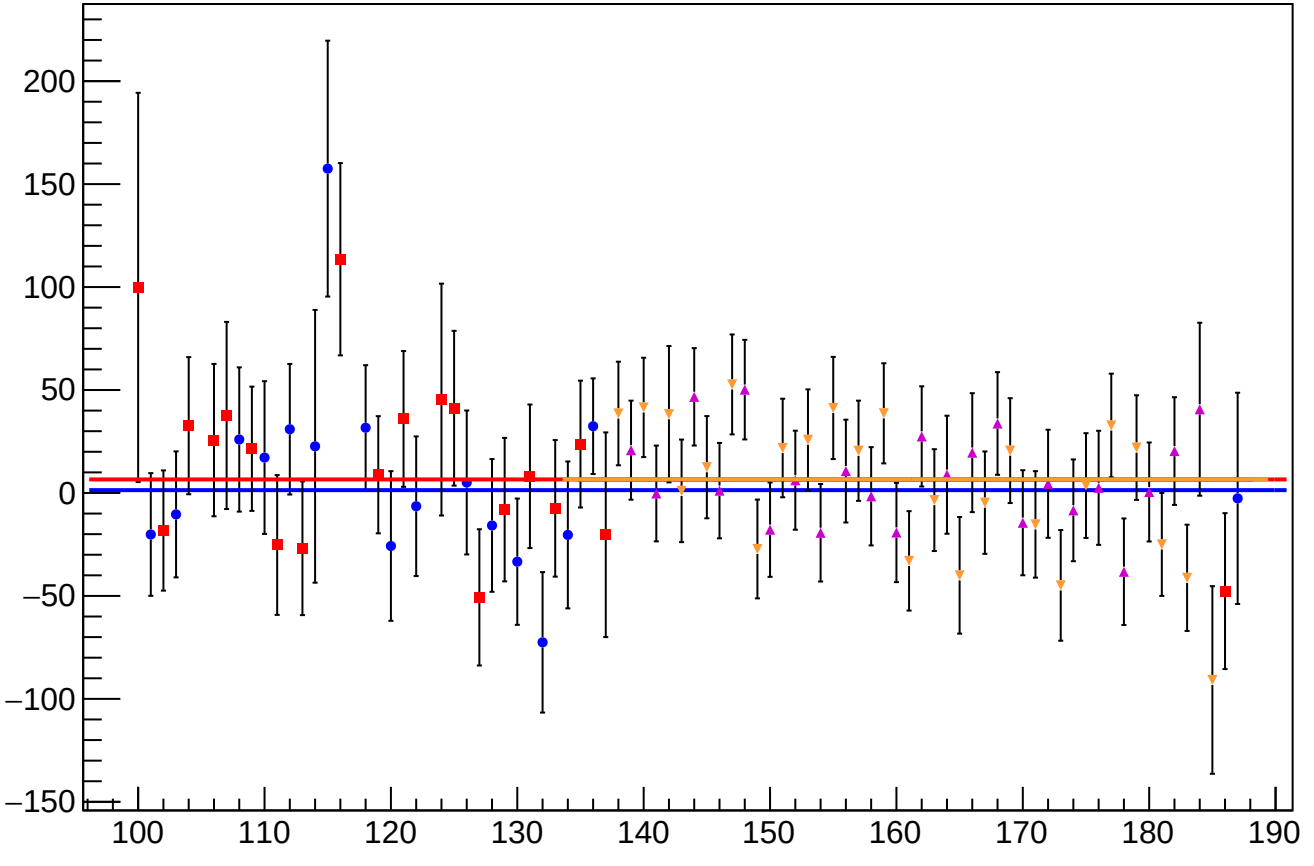
Right: 186.450+/-0.036 χ^2/NDF: 2956457.1/36

In: 184.895+/-0.027 χ^2/NDF:2768659.2/39

Out: 191.655+/-0.027 χ^2/NDF:3730692.9/44

All: 188.241+/-0.019 χ^2/NDF: 6530311.1/84

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.369+/-8.261 χ^2/NDF: 18.7/16

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 6.570+/-8.012 χ^2/NDF: 18.6/19

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

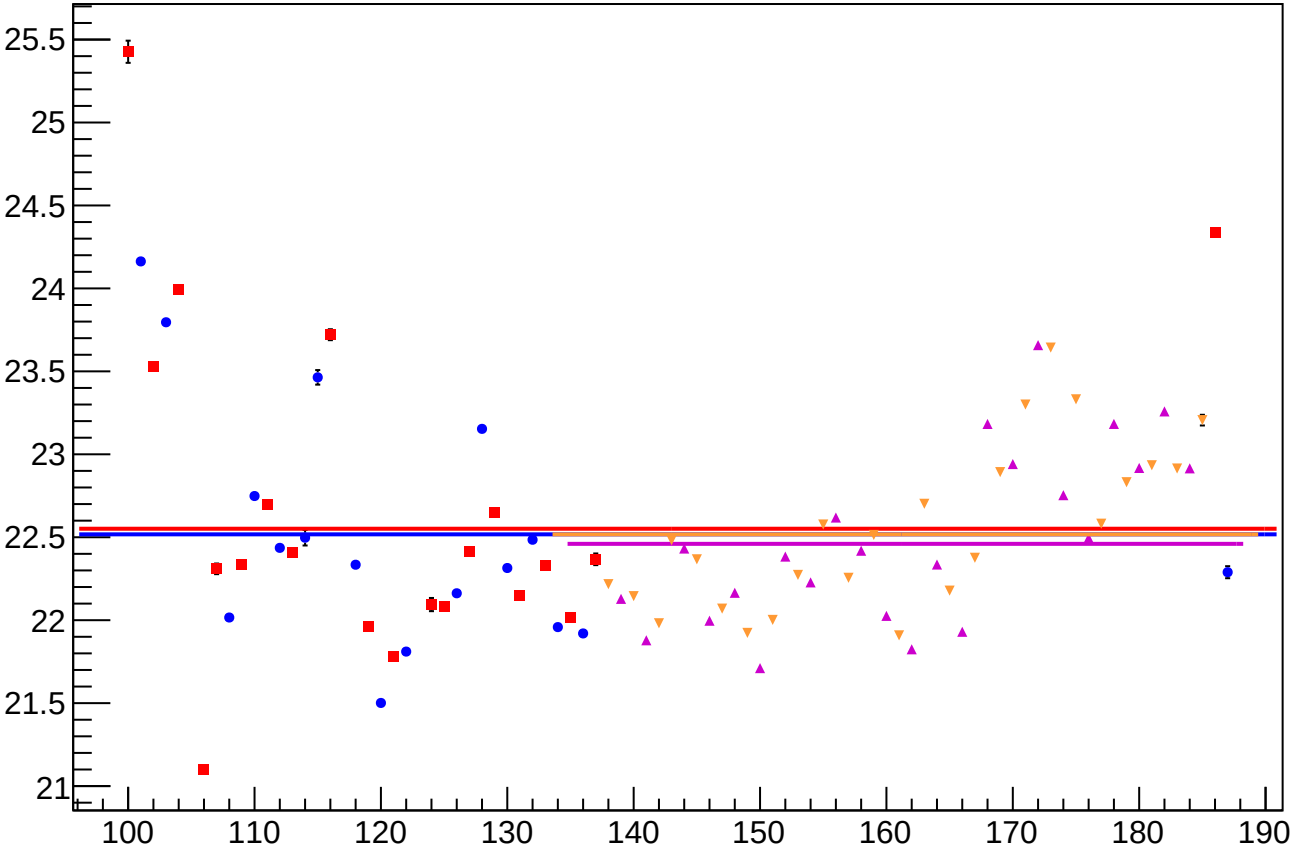
Right: 4.049+/-5.751 χ^2/NDF: 37.5/36

In: 5.012+/-4.429 χ^2/NDF:36.4/39

Out: 6.599+/-4.313 χ^2/NDF:55.5/44

All: 5.827+/-3.090 χ^2/NDF: 92.0/84

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.517+/-0.006 χ^2/NDF: 15988.4/16

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.551+/-0.006 χ^2/NDF: 20287.1/19

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

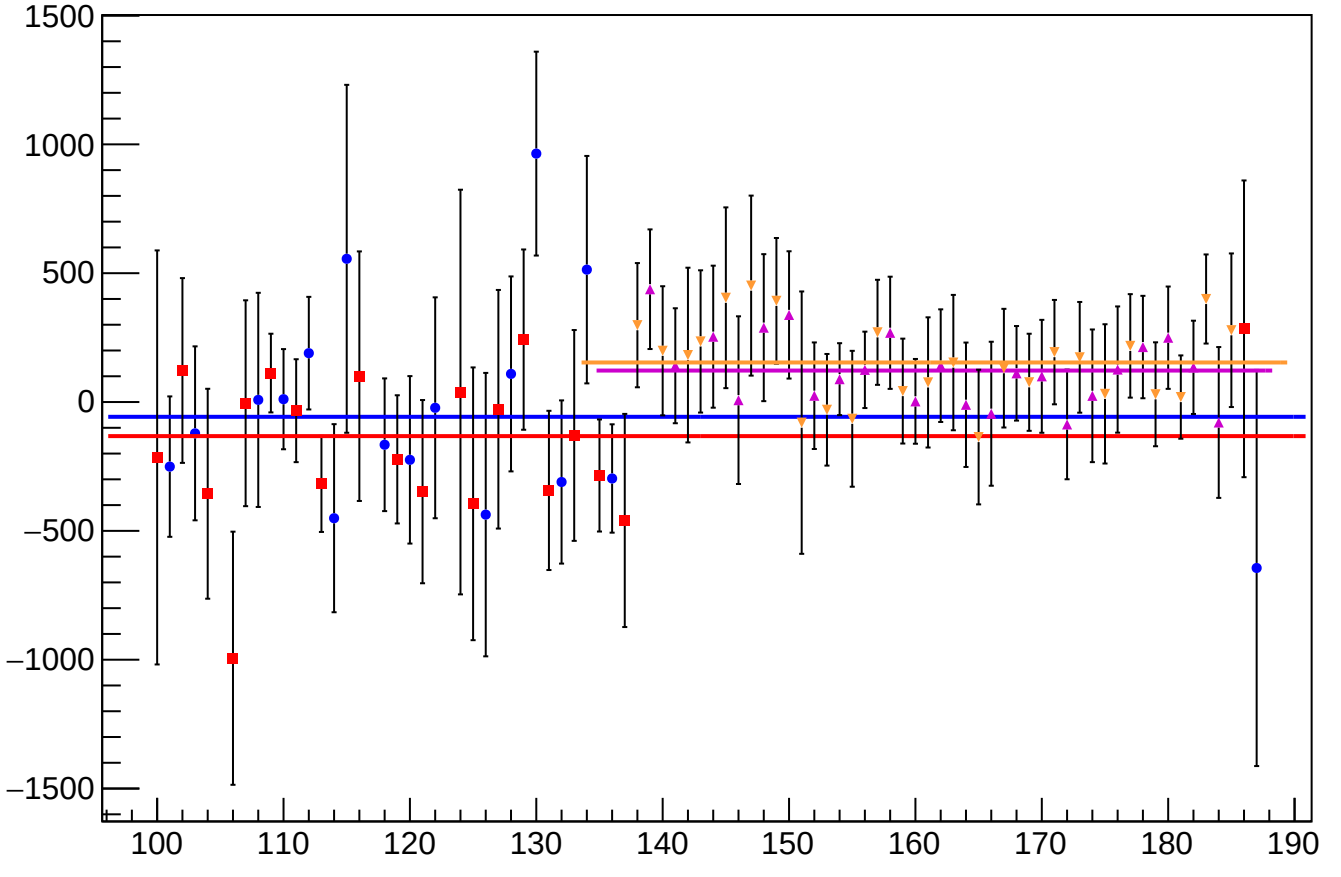
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.535+/-0.004 χ^2/NDF: 36292.8/36

In: 22.477+/-0.003 χ^2/NDF:35174.1/39

Out: 22.527+/-0.003 χ^2/NDF:36315.0/44

All: 22.503+/-0.002 χ^2/NDF: 71622.8/84



Right In: -57.348+/-76.417 χ^2/NDF: 15.9/16

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -132.269+/-68.142 χ^2/NDF: 12.1/19

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

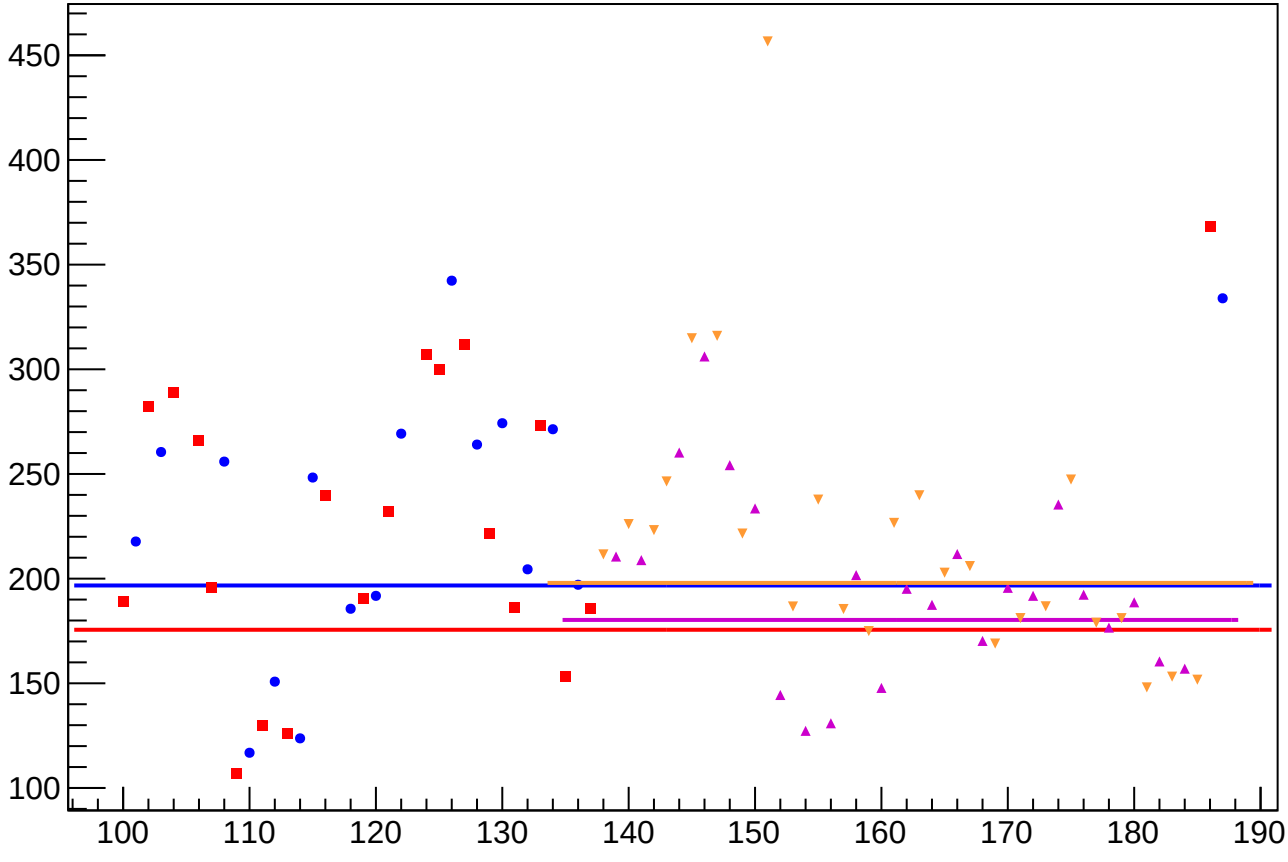
Right: -99.084+/-50.859 χ^2/NDF: 28.6/36

In: 77.460+/-38.135 χ^2/NDF:27.5/39

Out: 62.350+/-38.486 χ^2/NDF:34.2/44

All: 69.974+/-27.089 χ^2/NDF: 61.8/84

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.730+/-0.054 χ^2/NDF: 1105776.3/16

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 175.575+/-0.048 χ^2/NDF: 1886738.8/19

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

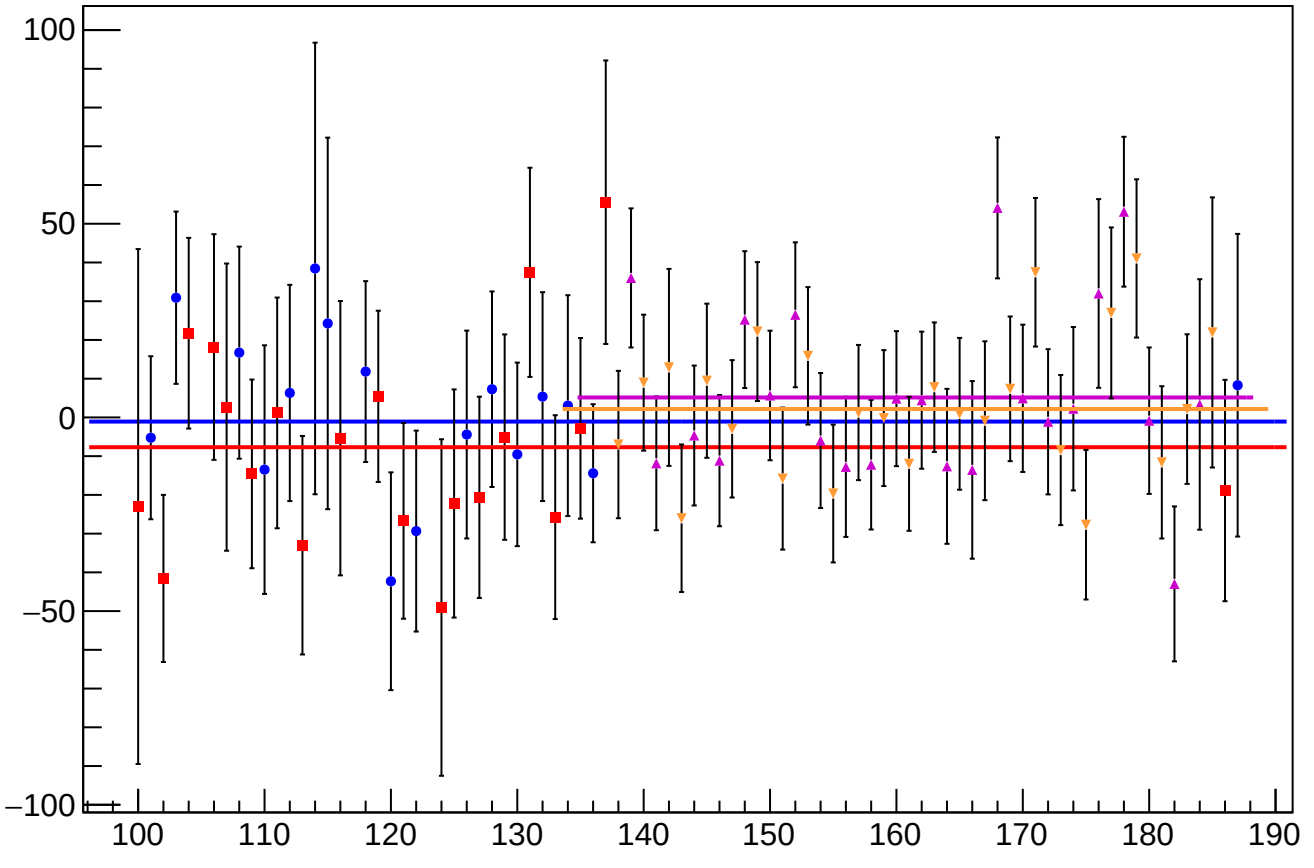
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 184.946+/-0.036 χ^2/NDF: 3077901.5/36

In: 184.372+/-0.027 χ^2/NDF:2800108.2/39

Out: 190.818+/-0.027 χ^2/NDF:3825041.2/44

All: 187.566+/-0.019 χ^2/NDF: 6653452.4/84



Right In: -1.071+/-6.410 χ^2/NDF: 8.1/16

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -7.688+/-6.247 χ^2/NDF: 14.6/19

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

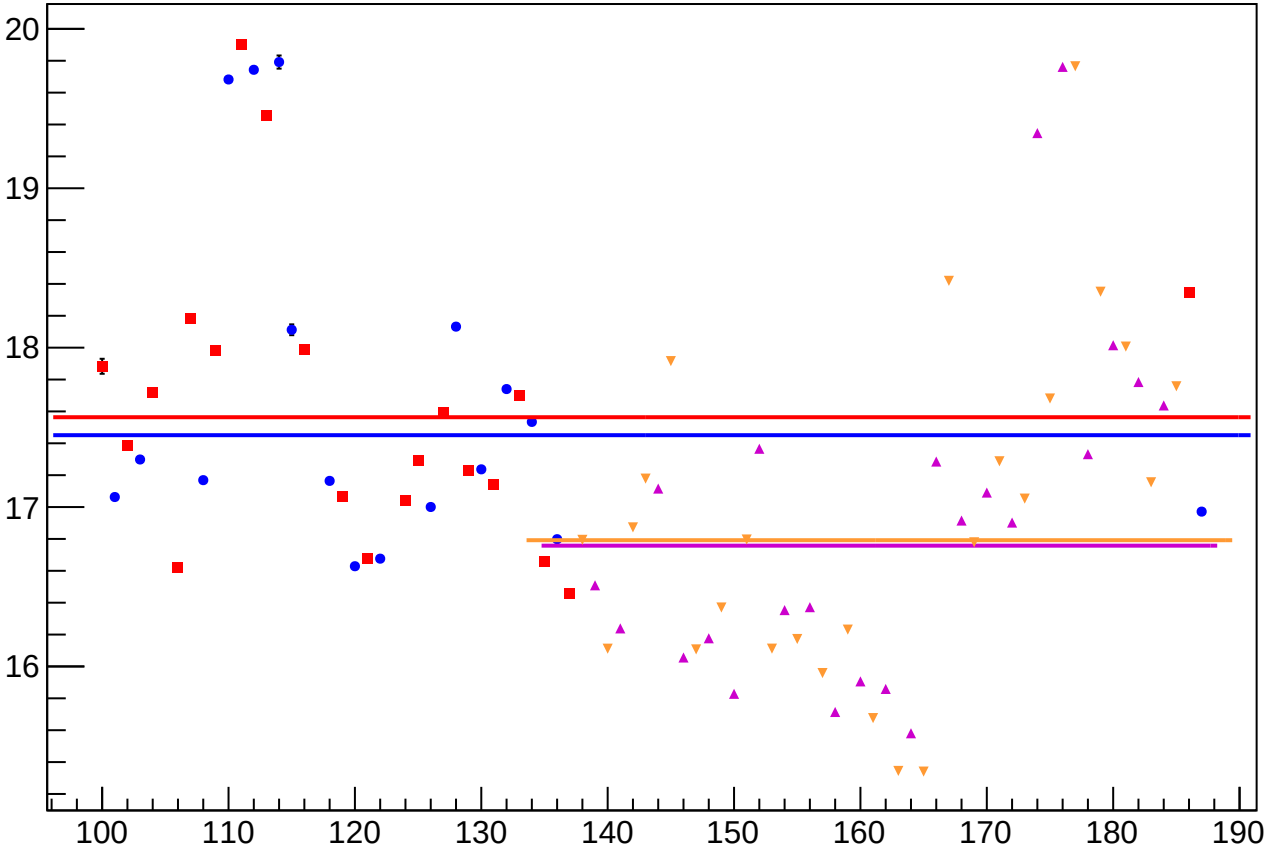
Right: -4.465+/-4.474 χ^2/NDF: 23.2/36

In: 3.455+/-3.347 χ^2/NDF:41.0/39

Out: -0.515+/-3.262 χ^2/NDF:36.4/44

All: 1.419+/-2.336 χ^2/NDF: 78.1/84

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.451+/-0.005 χ^2/NDF: 36959.7/16

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.564+/-0.004 χ^2/NDF: 36299.9/19

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

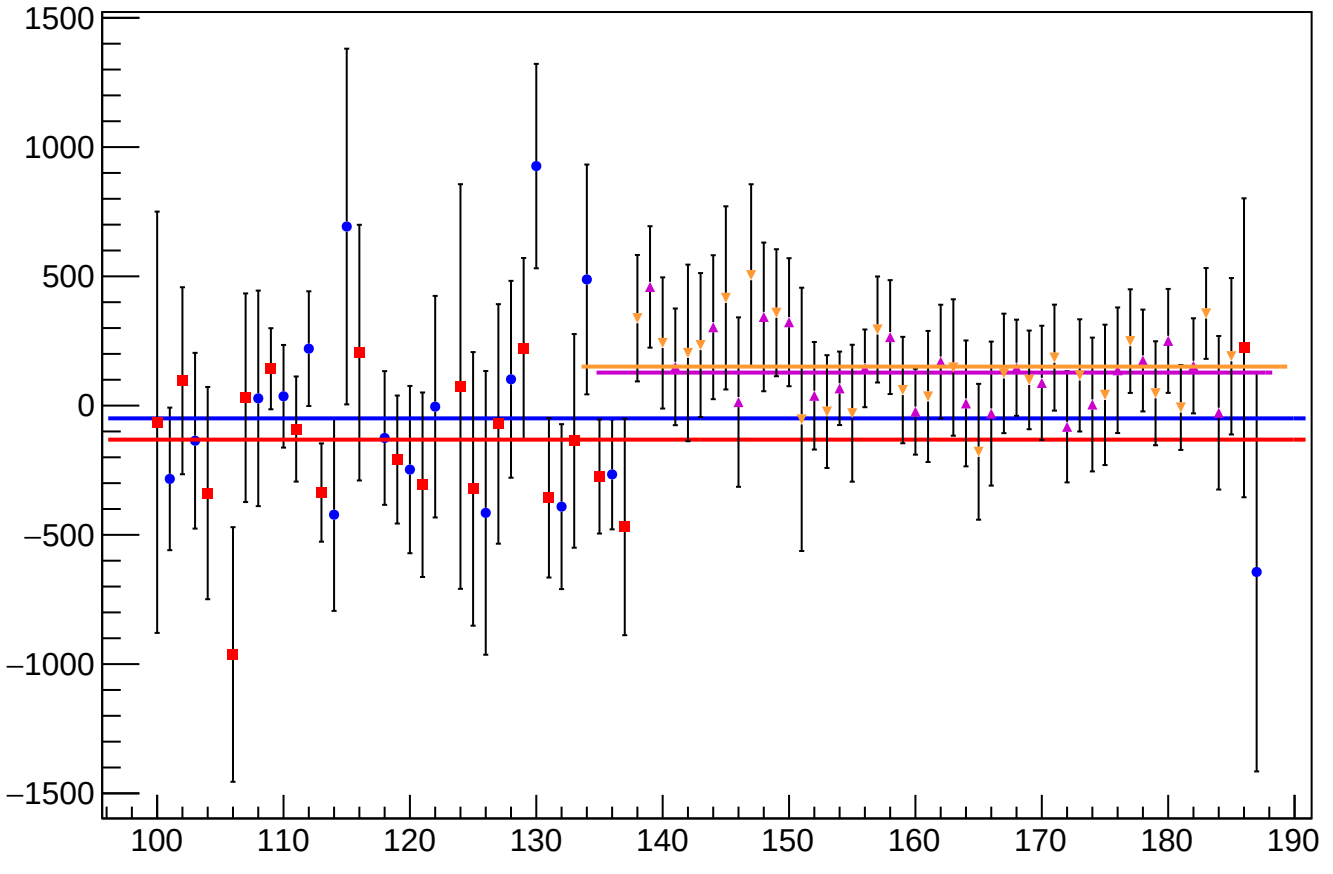
Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

Right: 17.509+/-0.003 χ^2/NDF: 73576.6/36

In: 16.947+/-0.002 χ^2/NDF:177273.9/39

Out: 17.002+/-0.002 χ^2/NDF:195492.8/44

All: 16.975+/-0.002 χ^2/NDF: 373050.3/84



Right In: -49.390+/-77.195 χ^2/NDF: 16.1/16

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -131.637+/-69.059 χ^2/NDF: 11.9/19

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

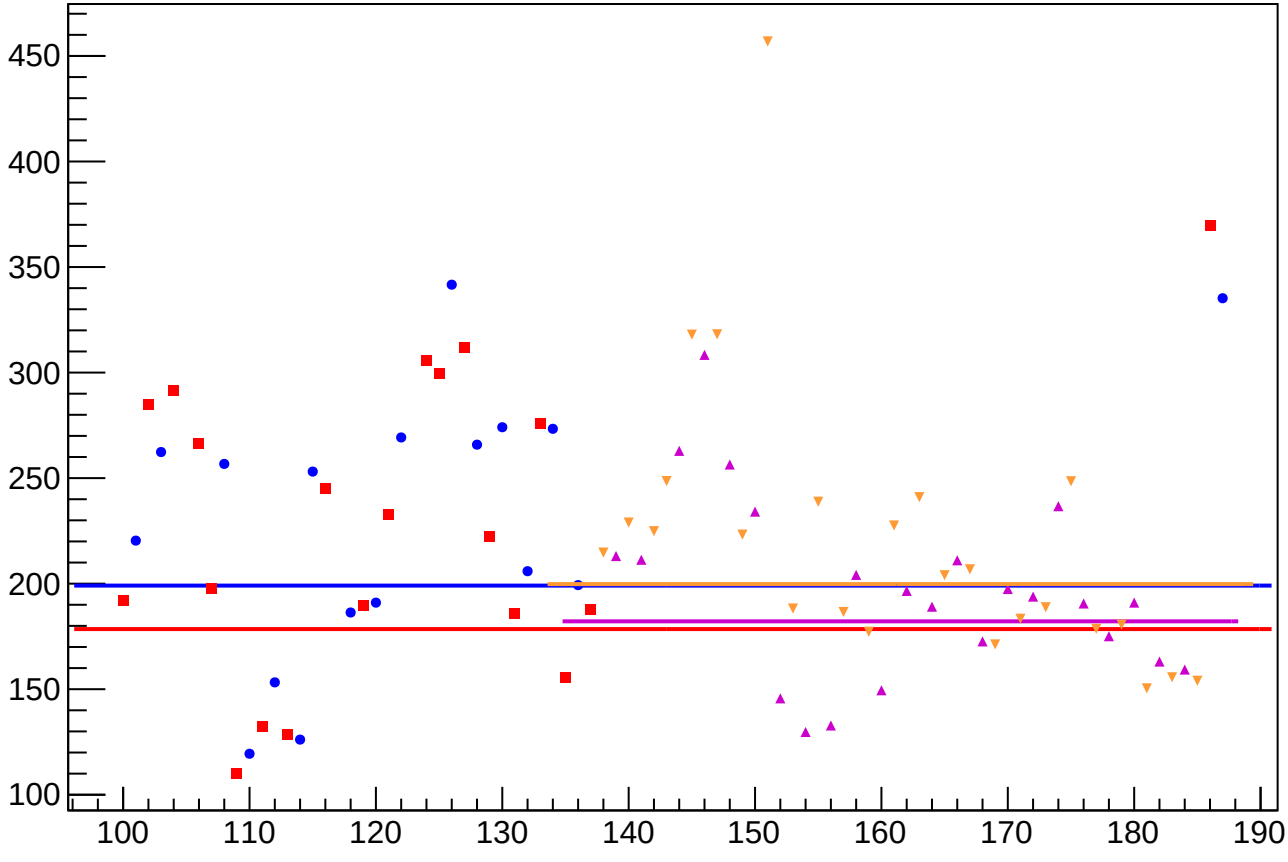
Right: -95.075+/-51.469 χ^2/NDF: 28.6/36

In: 83.647+/-38.505 χ^2/NDF:27.8/39

Out: 61.358+/-38.875 χ^2/NDF:33.3/44

All: 72.609+/-27.357 χ^2/NDF: 61.3/84

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 199.083+/-0.055 χ^2/NDF: 1063202.4/16

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 178.485+/-0.049 χ^2/NDF: 1812894.8/19

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

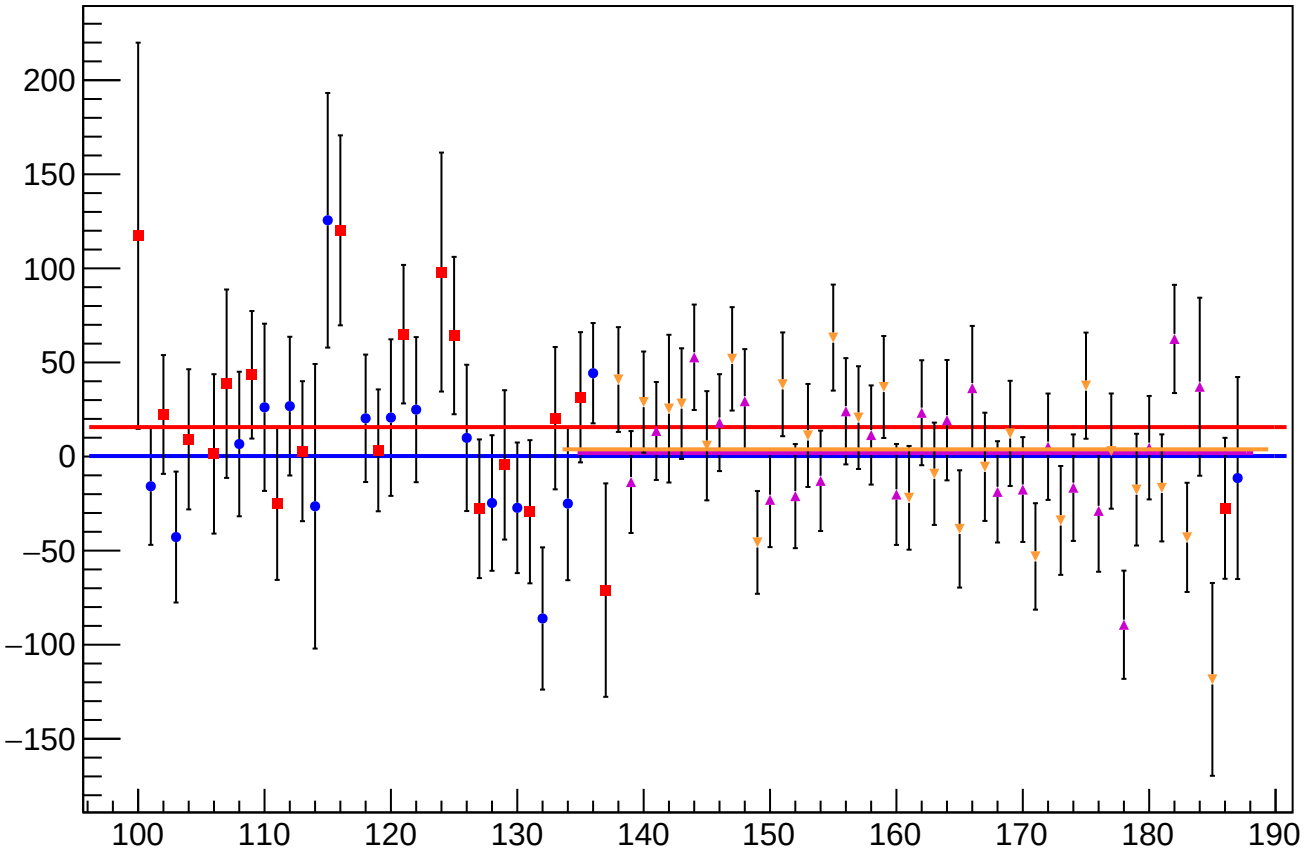
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 187.642+/-0.036 χ^2/NDF: 2955194.4/36

In: 186.363+/-0.027 χ^2/NDF:2719853.0/39

Out: 193.035+/-0.027 χ^2/NDF:3703184.8/44

All: 189.667+/-0.019 χ^2/NDF: 6452776.6/84



Right In: 0.259+/-9.280 χ^2/NDF: 16.8/16

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 15.640+/-8.942 χ^2/NDF: 19.4/19

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

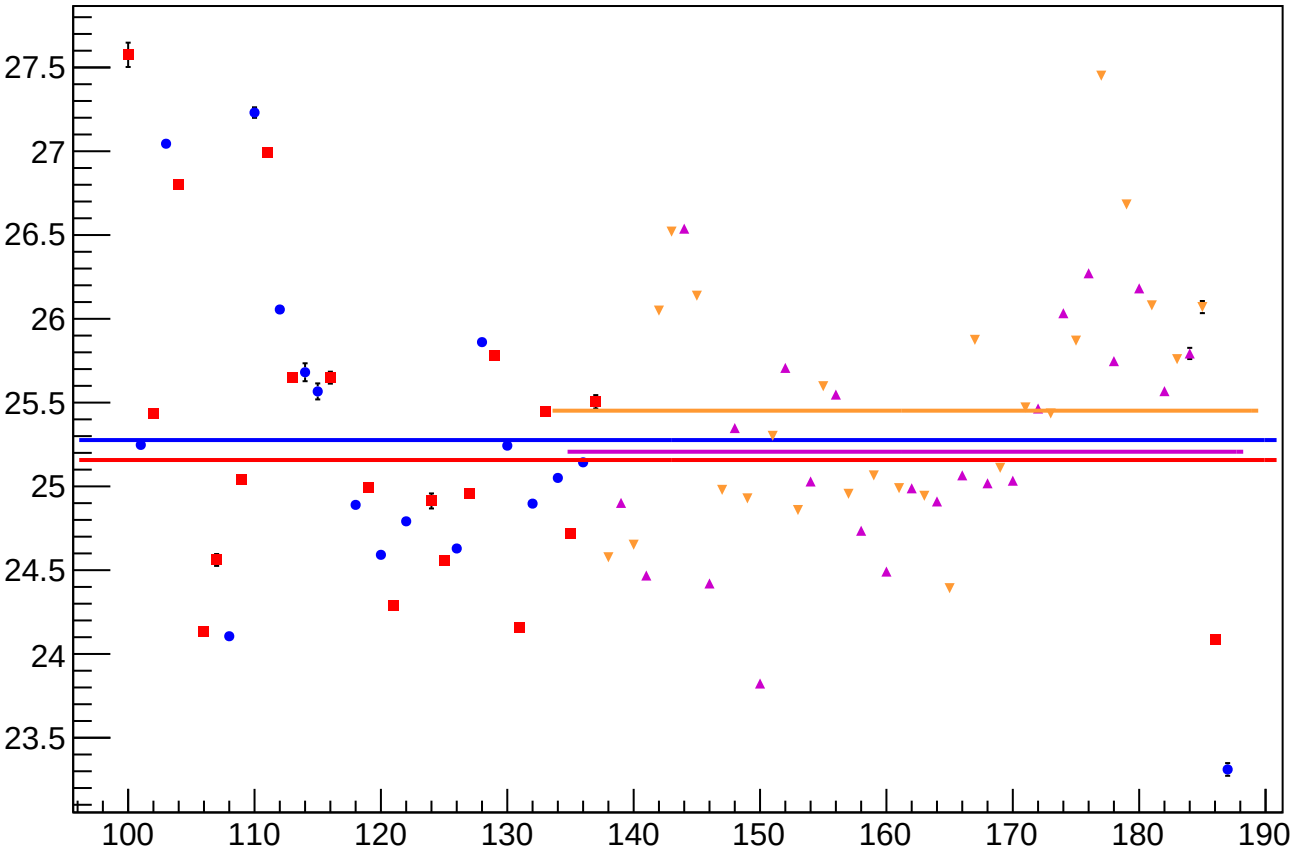
Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

Right: 8.234+/-6.439 χ^2/NDF: 37.6/36

In: 1.393+/-4.975 χ^2/NDF:44.9/39

Out: 7.318+/-4.859 χ^2/NDF:58.2/44

All: 4.425+/-3.476 χ^2/NDF: 103.8/84



Right In: 25.276+/-0.007 χ^2/NDF: 17080.0/16

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 25.157+/-0.006 χ^2/NDF: 16961.0/19

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

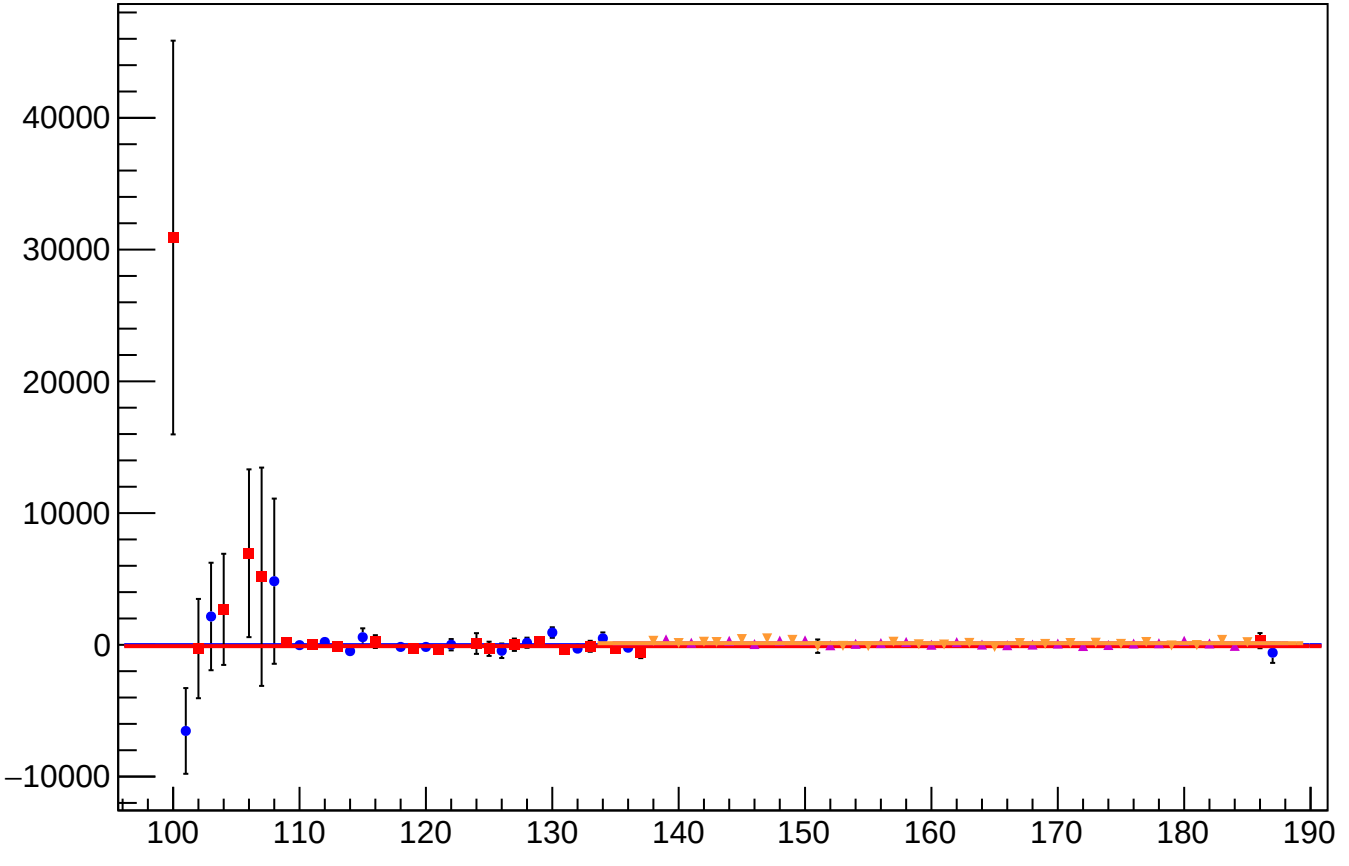
Right: 25.215+/-0.005 χ^2/NDF: 34211.7/36

In: 25.227+/-0.004 χ^2/NDF:42987.6/39

Out: 25.365+/-0.003 χ^2/NDF:48101.7/44

All: 25.297+/-0.002 χ^2/NDF: 91877.2/84

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -22.384+/-84.195 χ^2/NDF: 18.9/16

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -101.097+/-77.388 χ^2/NDF: 14.6/19

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

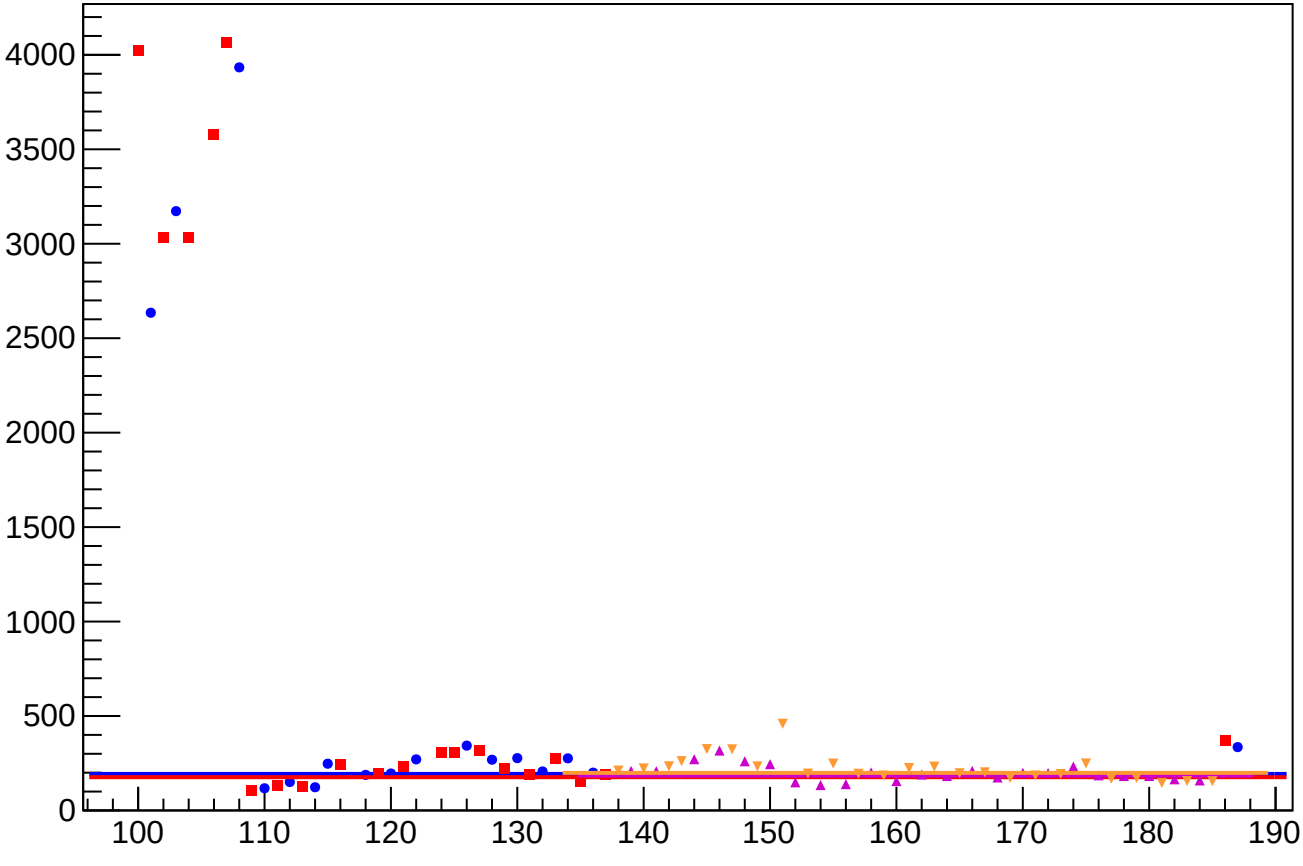
Right: -65.051+/-56.976 χ^2/NDF: 33.9/36

In: 86.395+/-39.599 χ^2/NDF:29.0/39

Out: 64.335+/-40.125 χ^2/NDF:31.9/44

All: 75.511+/-28.185 χ^2/NDF: 61.1/84

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.444+/-0.060 χ^2/NDF: 3890211.5/16

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 175.999+/-0.055 χ^2/NDF: 4529580.2/19

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

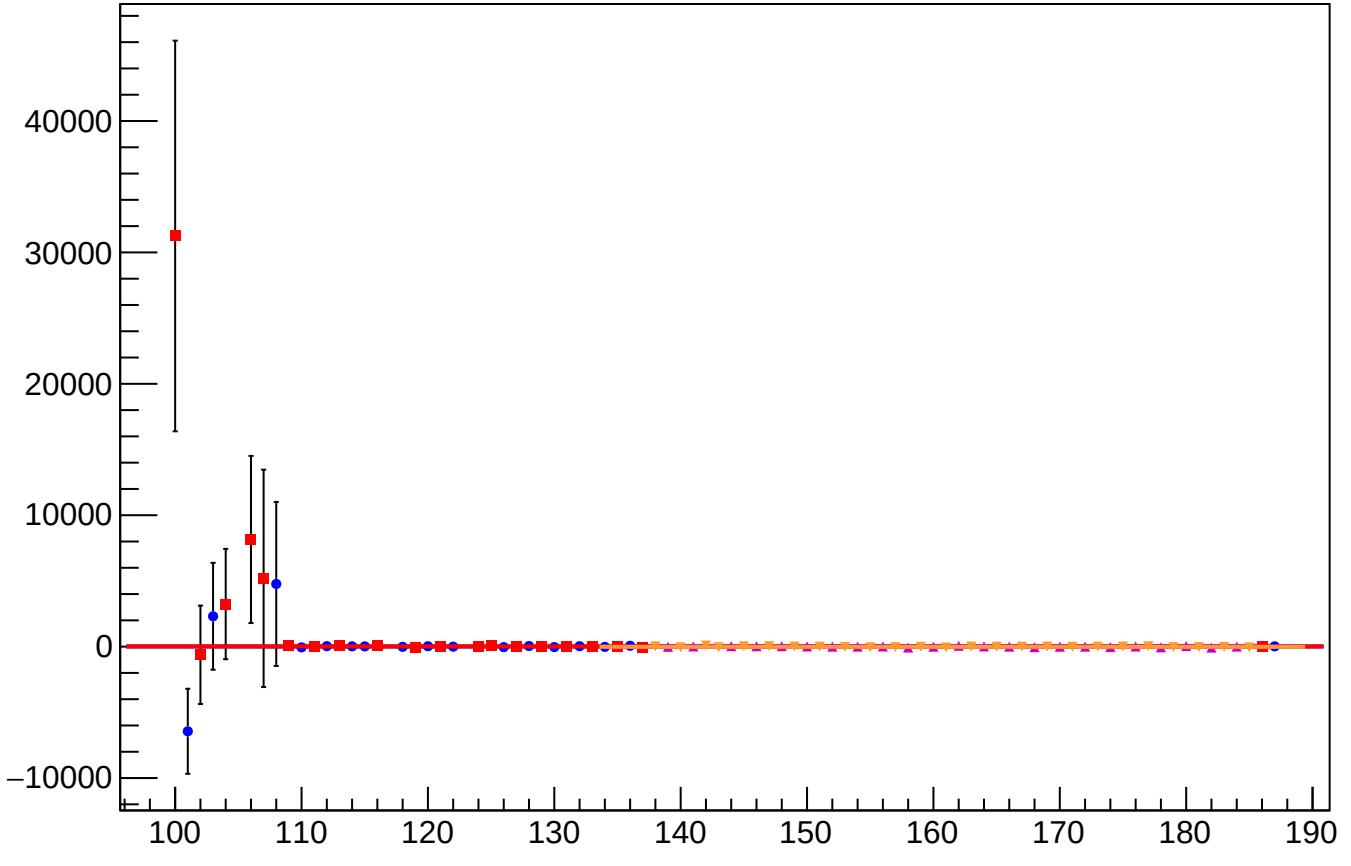
Right: 183.988+/-0.040 χ^2/NDF: 8466331.9/36

In: 186.400+/-0.028 χ^2/NDF:5354495.3/39

Out: 192.812+/-0.028 χ^2/NDF:6560840.9/44

All: 189.564+/-0.020 χ^2/NDF: 11941213.9/84

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.927+/-11.521 χ^2/NDF: 16.0/16

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 18.234+/-11.491 χ^2/NDF: 24.8/19

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

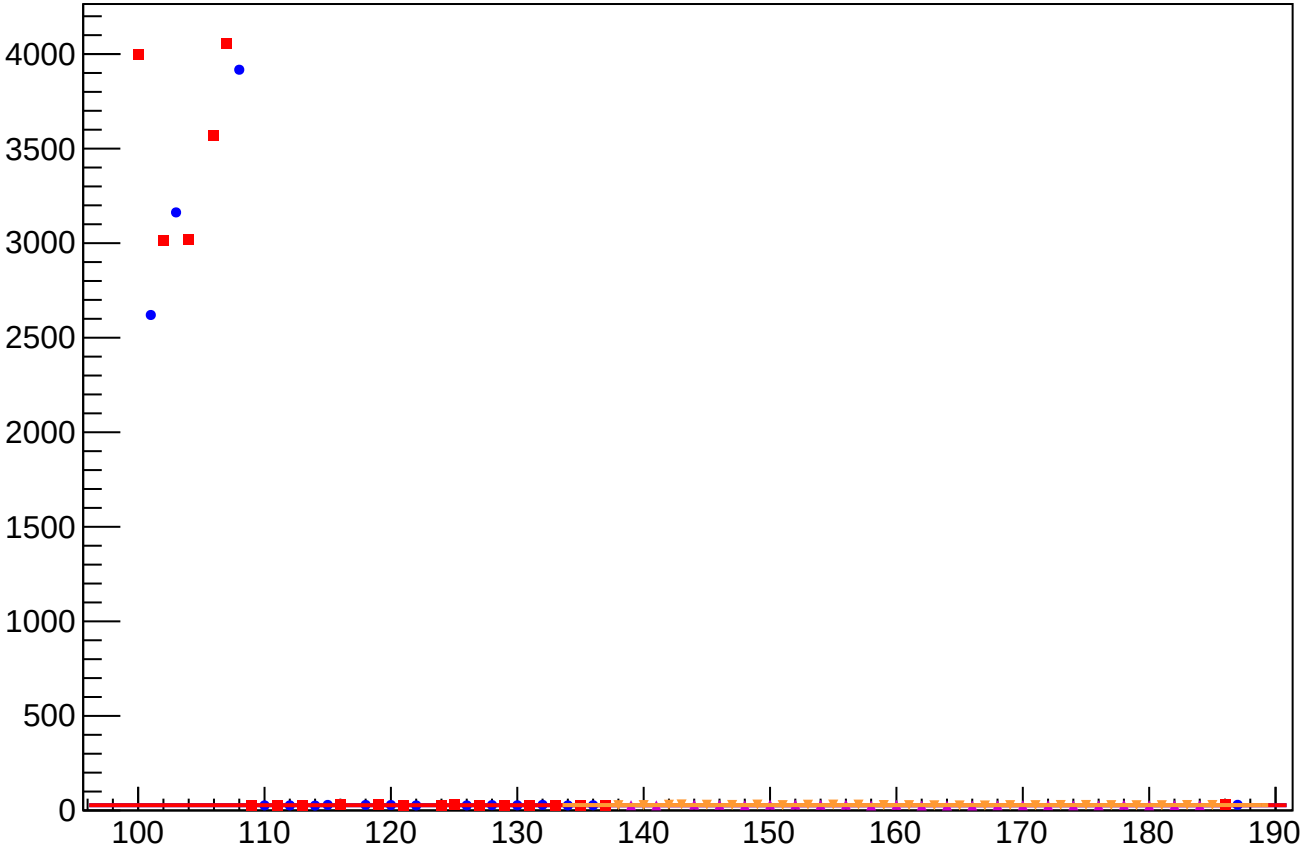
Right: 14.092+/-8.136 χ^2/NDF: 41.1/36

In: 4.134+/-5.794 χ^2/NDF:44.7/39

Out: -6.791+/-5.665 χ^2/NDF:53.3/44

All: -1.451+/-4.051 χ^2/NDF: 99.8/84

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.700+/-0.008 χ^2/NDF: 3267304.1/16

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.780+/-0.008 χ^2/NDF: 3571687.3/19

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

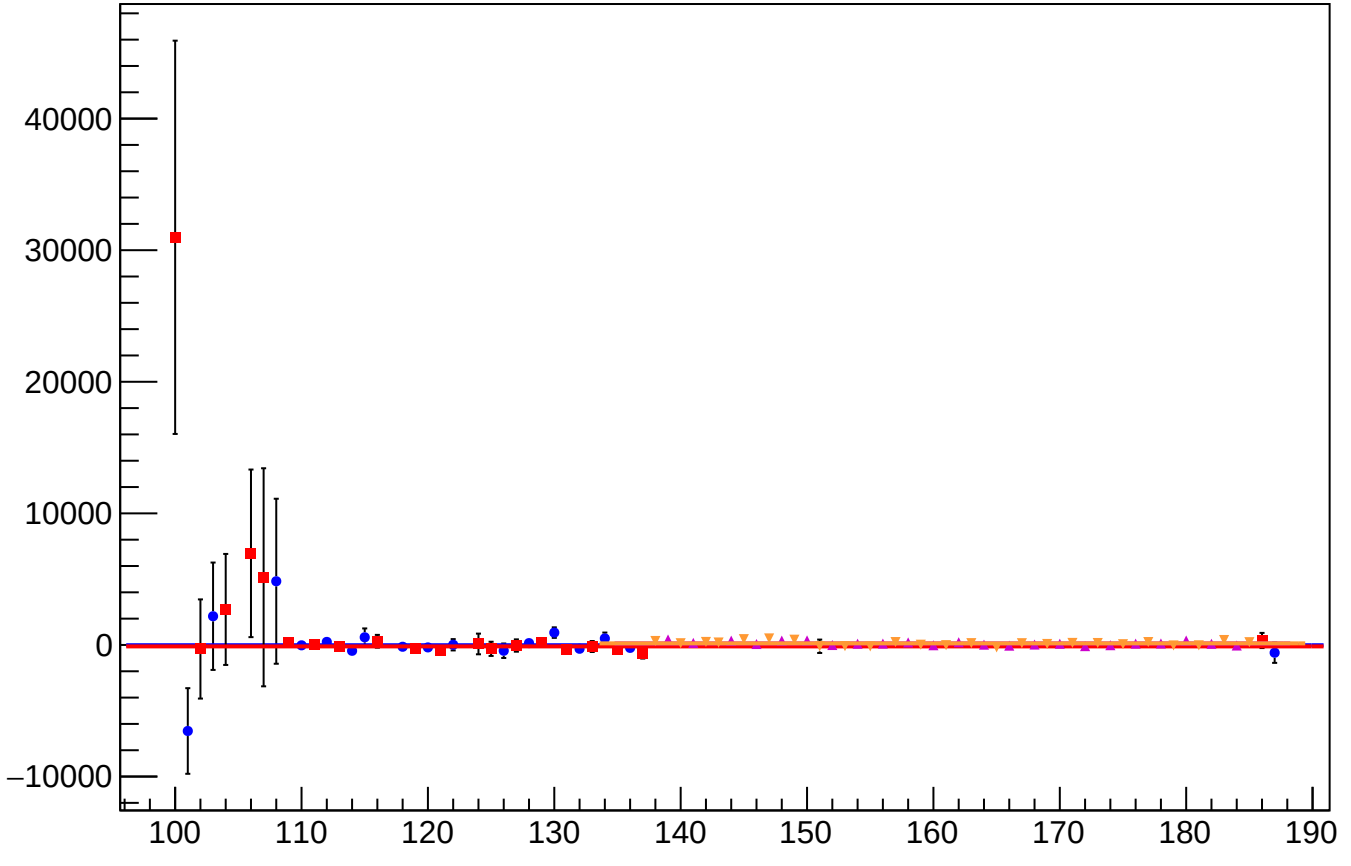
Right: 27.740+/-0.006 χ^2/NDF: 6839039.6/36

In: 28.377+/-0.004 χ^2/NDF:3399465.3/39

Out: 28.390+/-0.004 χ^2/NDF:3667259.4/44

All: 28.383+/-0.003 χ^2/NDF: 7066729.9/84

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -20.003+/-83.952 χ^2/NDF: 18.9/16

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -109.826+/-77.160 χ^2/NDF: 15.1/19

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

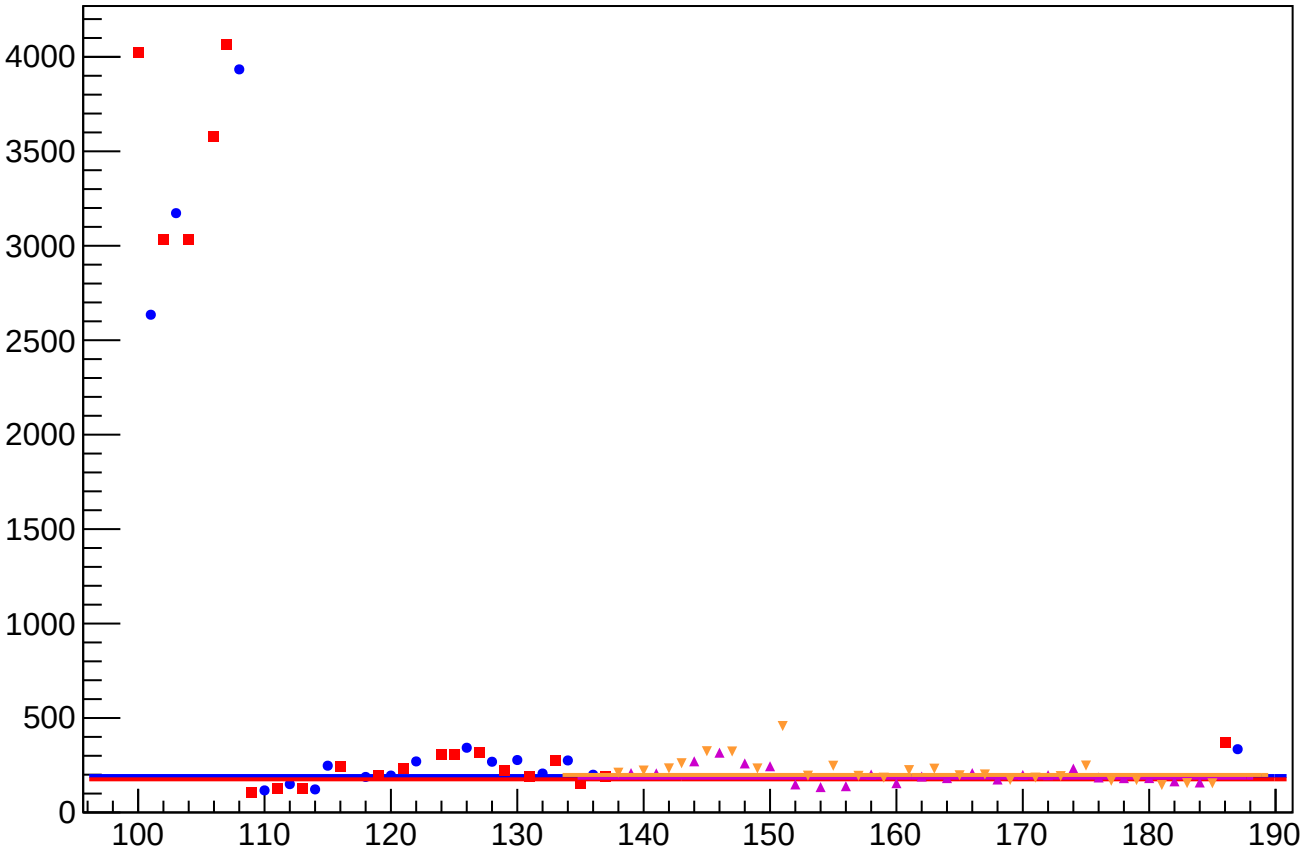
Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

Right: -68.695+/-56.810 χ^2/NDF: 34.6/36

In: 86.059+/-39.515 χ^2/NDF:29.3/39

Out: 59.541+/-40.030 χ^2/NDF:33.6/44

All: 72.972+/-28.122 χ^2/NDF: 63.2/84



Right In: 192.776+/-0.059 χ^2/NDF: 3902755.4/16

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 175.362+/-0.055 χ^2/NDF: 4543159.9/19

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

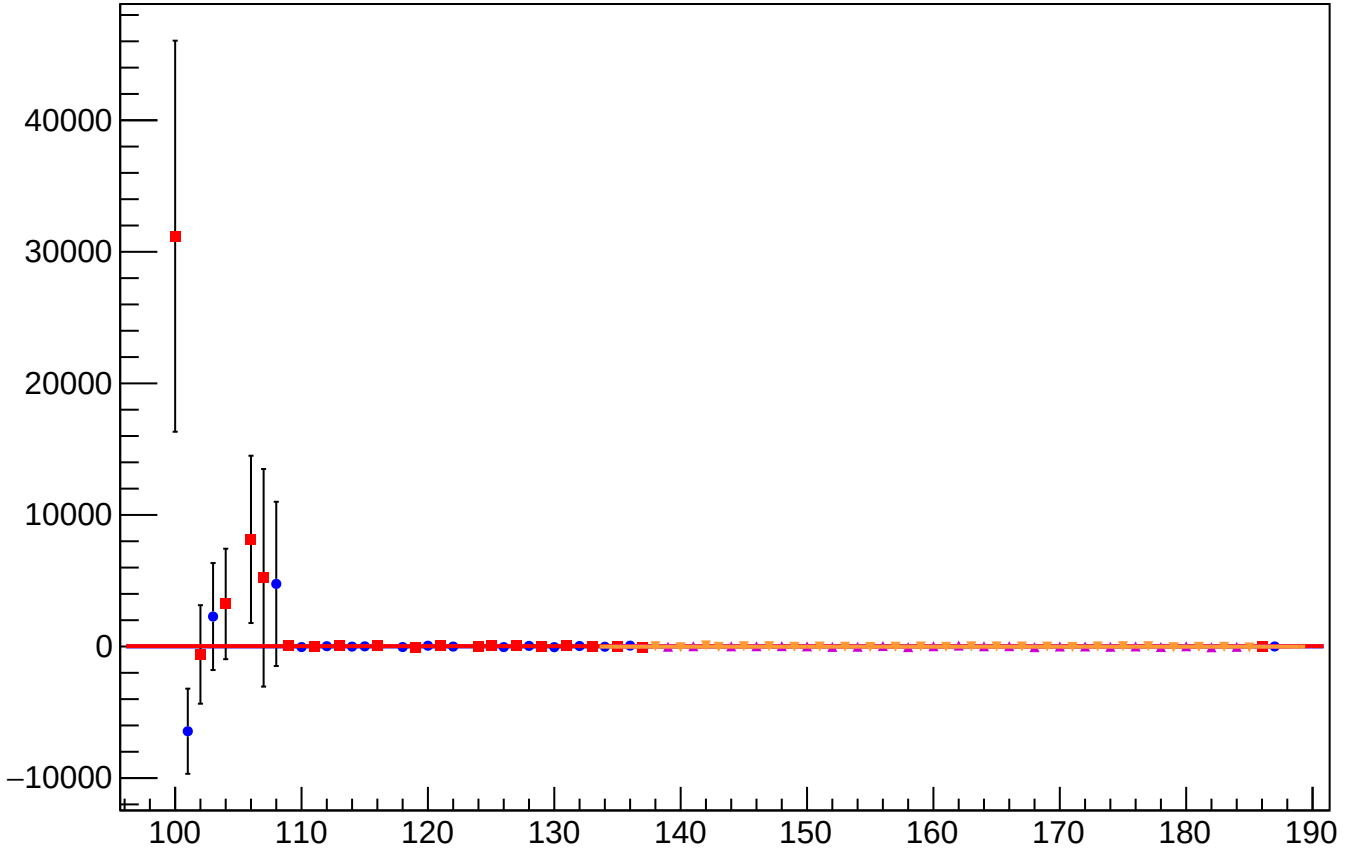
Right: 183.336+/-0.040 χ^2/NDF: 8492559.4/36

In: 185.984+/-0.028 χ^2/NDF:5364996.8/39

Out: 192.324+/-0.028 χ^2/NDF:6576903.0/44

All: 189.113+/-0.020 χ^2/NDF: 11967310.7/84

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.410+/-11.596 χ^2/NDF: 18.3/16

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 28.654+/-11.562 χ^2/NDF: 20.5/19

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

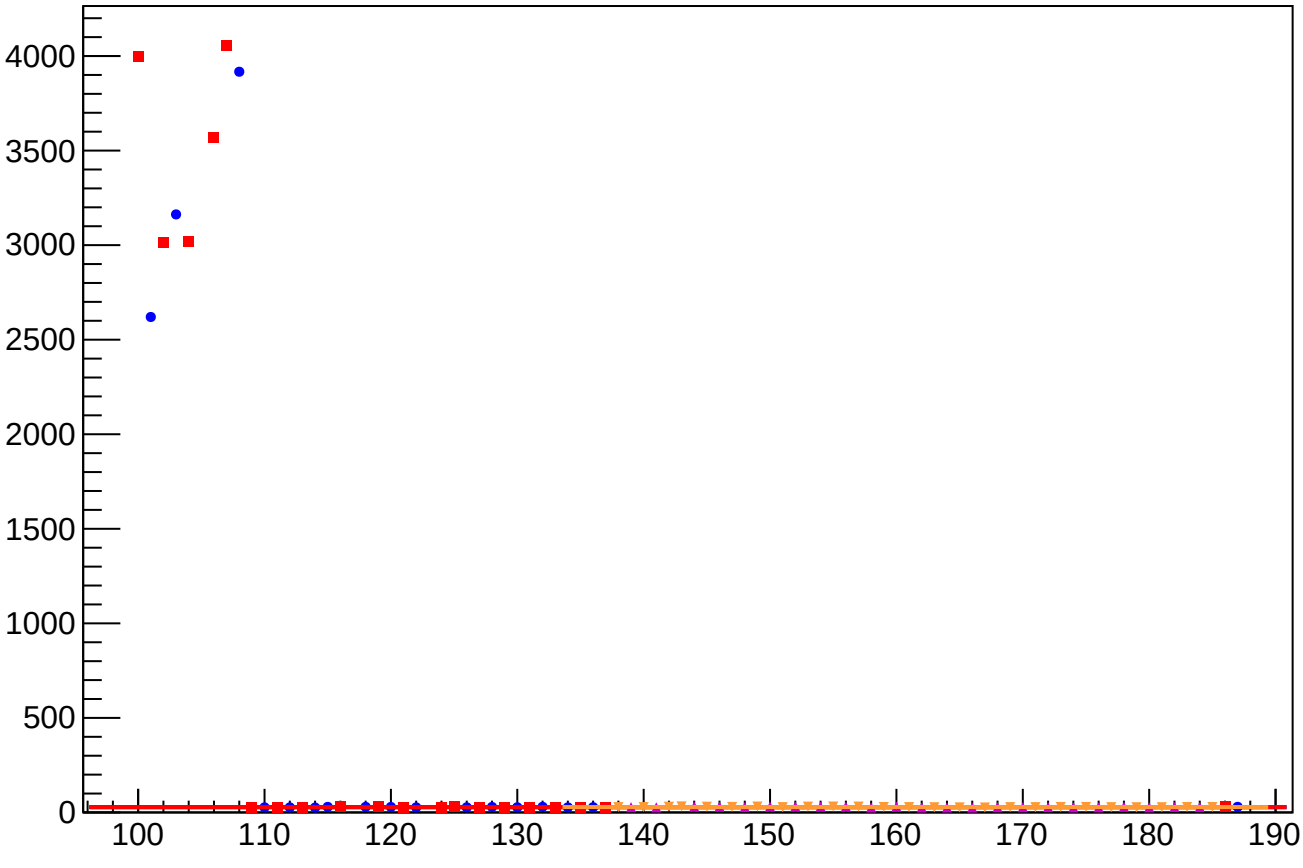
Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

Right: 17.565+/-8.187 χ^2/NDF: 40.7/36

In: 3.543+/-5.822 χ^2/NDF:40.5/39

Out: -2.039+/-5.693 χ^2/NDF:47.7/44

All: 0.689+/-4.070 χ^2/NDF: 88.7/84



Right In: 27.876+/-0.008 χ^2/NDF: 3267207.5/16

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.954+/-0.008 χ^2/NDF: 3568740.1/19

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

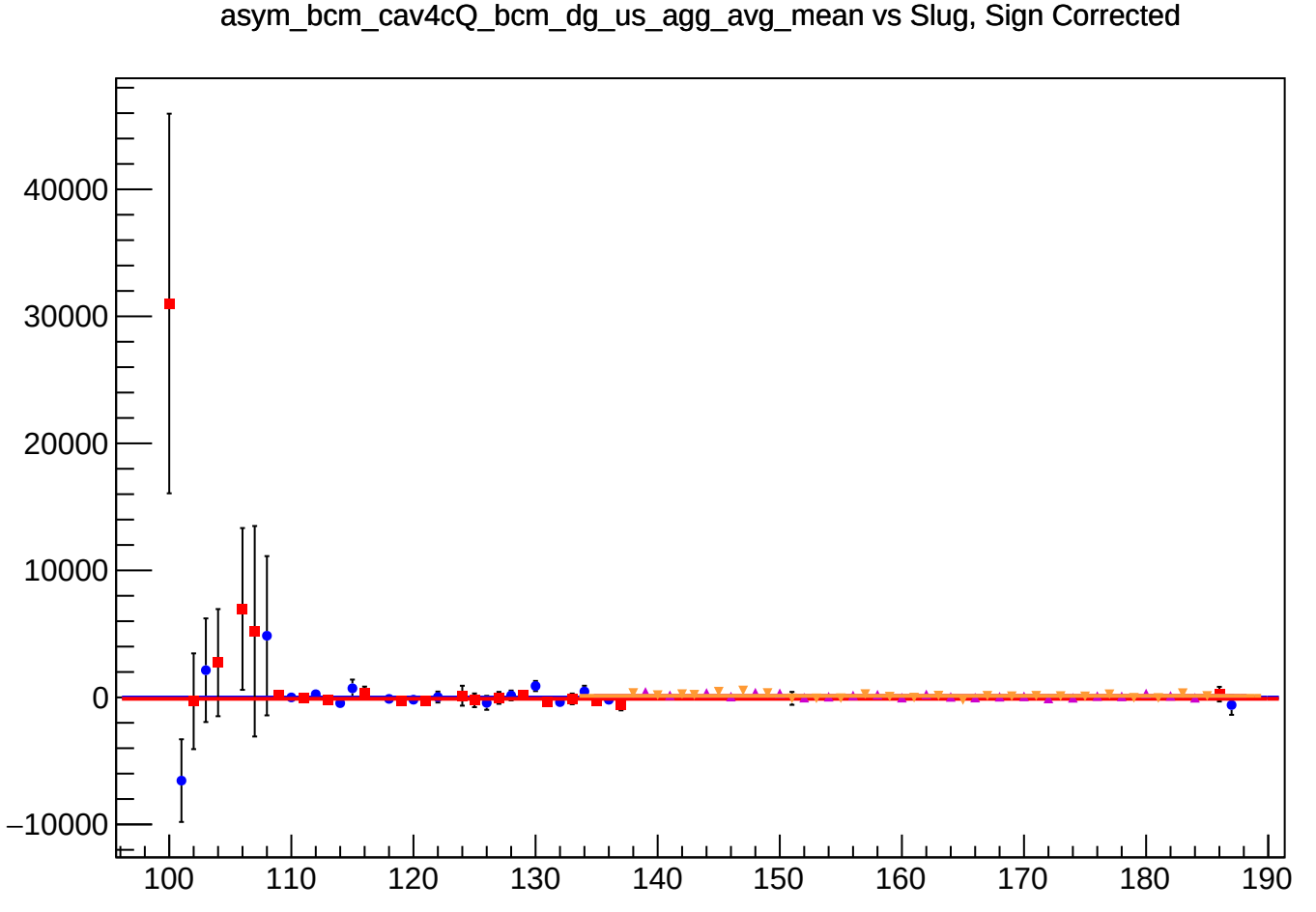
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.915+/-0.006 χ^2/NDF: 6835993.3/36

In: 28.513+/-0.004 χ^2/NDF:3402665.7/39

Out: 28.525+/-0.004 χ^2/NDF:3674041.2/44

All: 28.519+/-0.003 χ^2/NDF: 7076711.2/84



Right In: -9.957+/-84.992 χ^2/NDF: 18.8/16

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -108.921+/-78.224 χ^2/NDF: 14.2/19

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

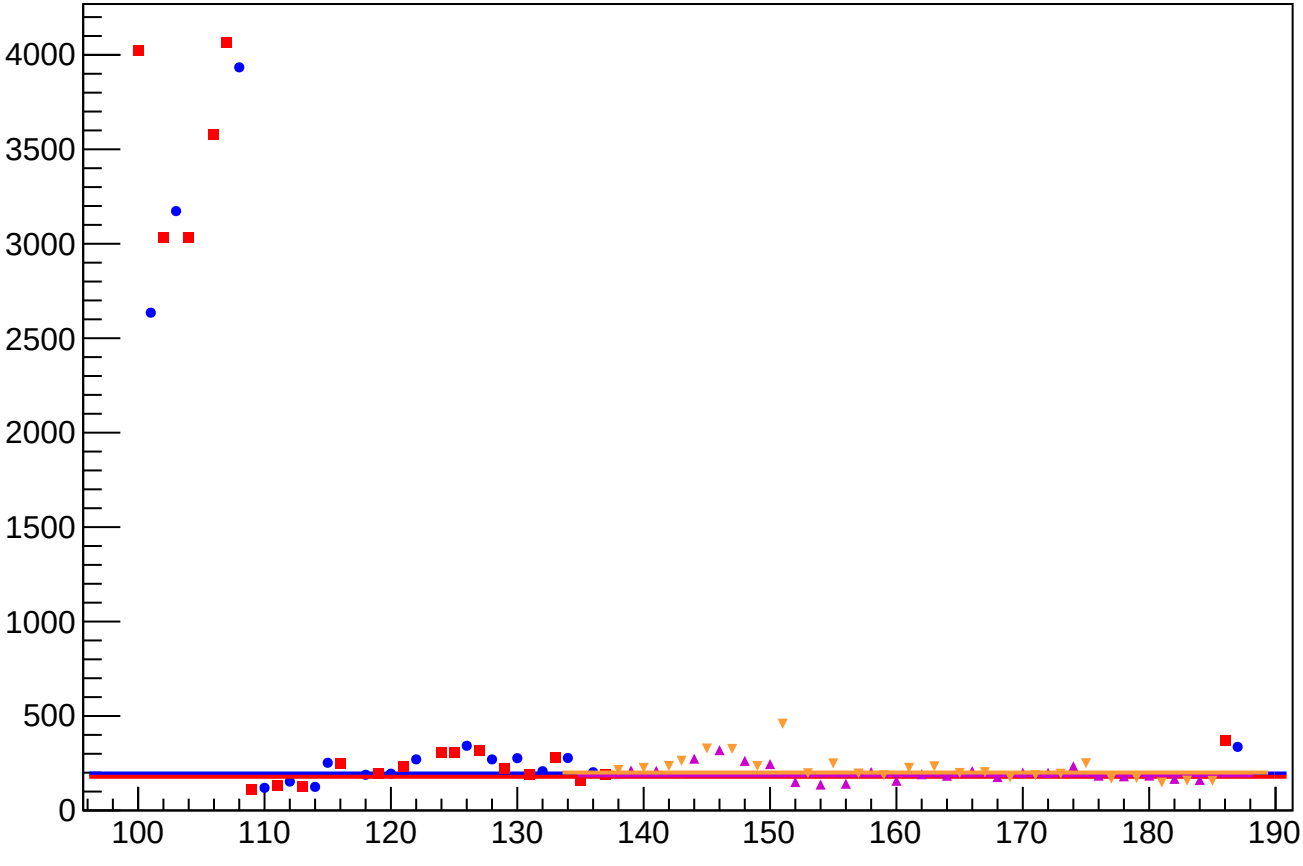
Right: -63.535+/-57.557 χ^2/NDF: 33.8/36

In: 93.652+/-39.955 χ^2/NDF:29.2/39

Out: 60.807+/-40.475 χ^2/NDF:32.0/44

All: 77.442+/-28.435 χ^2/NDF: 61.5/84

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.663+/-0.060 χ^2/NDF: 3851403.4/16

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 178.349+/-0.055 χ^2/NDF: 4481919.1/19

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

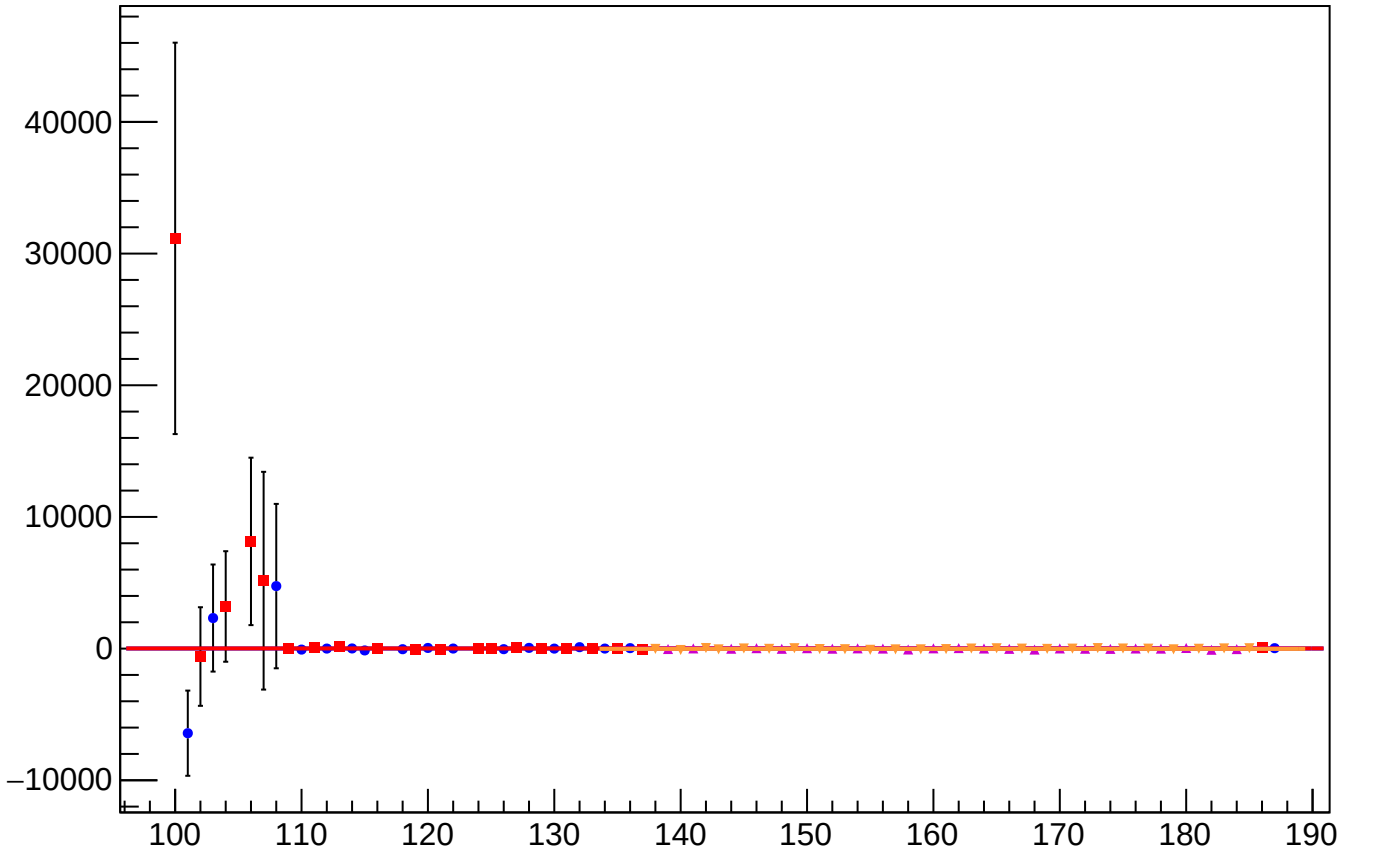
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 186.289+/-0.041 χ^2/NDF: 8378255.0/36

In: 188.267+/-0.028 χ^2/NDF:5284229.8/39

Out: 194.705+/-0.029 χ^2/NDF:6481414.6/44

All: 191.445+/-0.020 χ^2/NDF: 11791274.3/84



Right In: 6.437+/-14.091 χ^2/NDF: 17.6/16

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 13.353+/-14.006 χ^2/NDF: 24.4/19

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

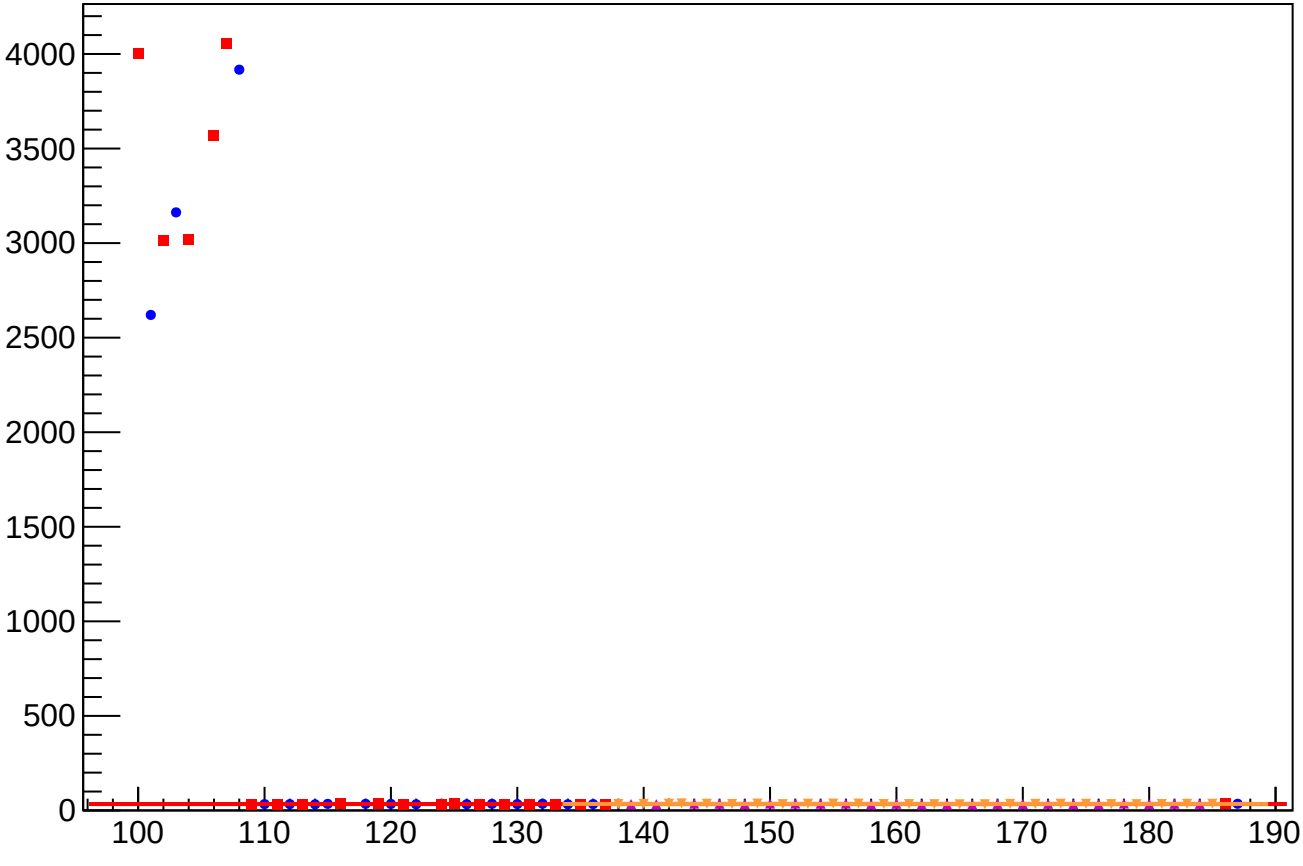
Right: 9.916+/-9.934 χ^2/NDF: 42.0/36

In: -1.437+/-7.011 χ^2/NDF:36.9/39

Out: -12.986+/-6.838 χ^2/NDF:51.9/44

All: -7.356+/-4.895 χ^2/NDF: 90.2/84

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.940+/-0.010 χ^2/NDF: 3244918.3/16

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.936+/-0.010 χ^2/NDF: 3533704.2/19

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

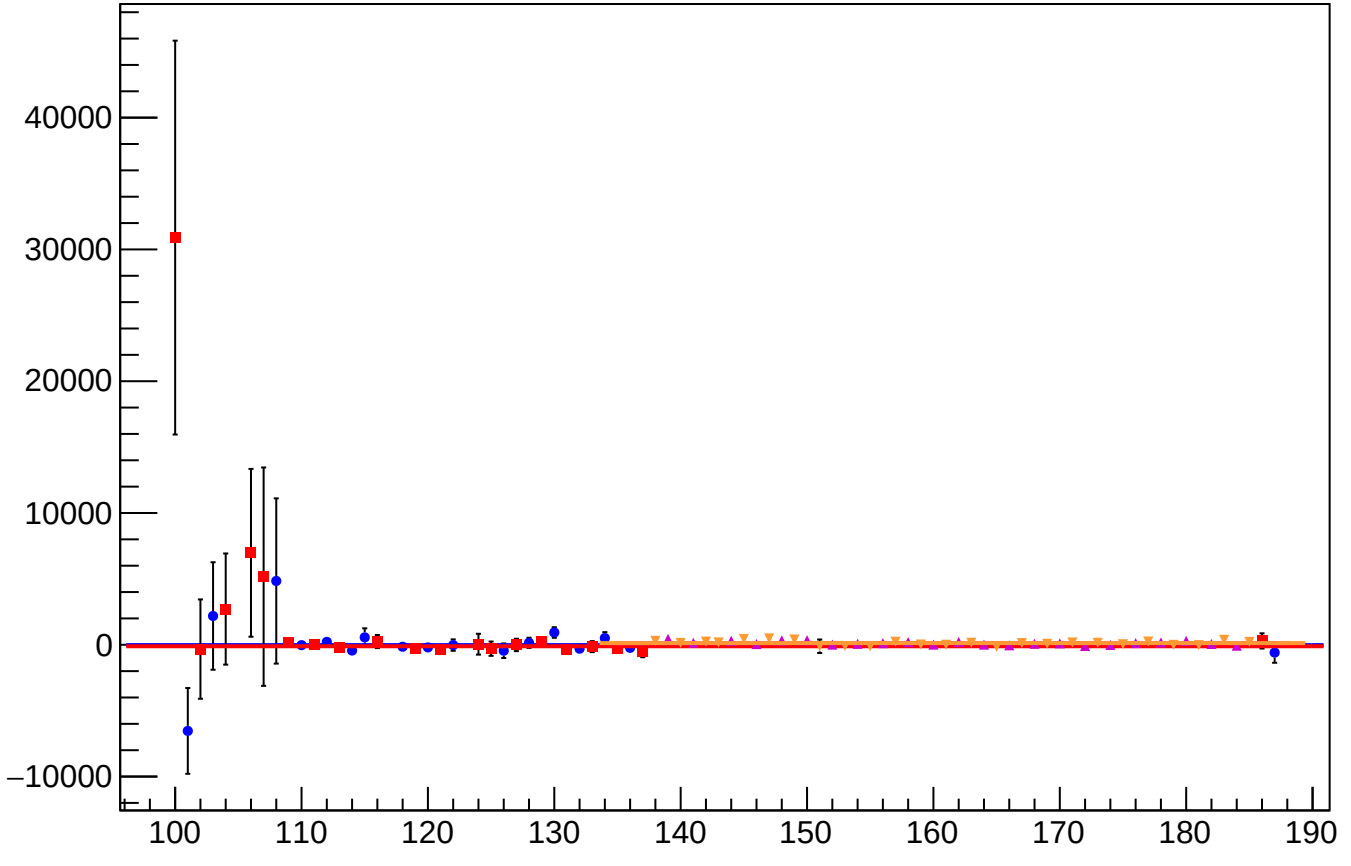
Right: 33.938+/-0.007 χ^2/NDF: 6778622.7/36

In: 34.400+/-0.005 χ^2/NDF:3307038.8/39

Out: 34.319+/-0.005 χ^2/NDF:3580355.4/44

All: 34.359+/-0.003 χ^2/NDF: 6887533.5/84

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -26.333+/-84.554 χ^2/NDF: 18.7/16

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -112.416+/-77.738 χ^2/NDF: 13.8/19

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

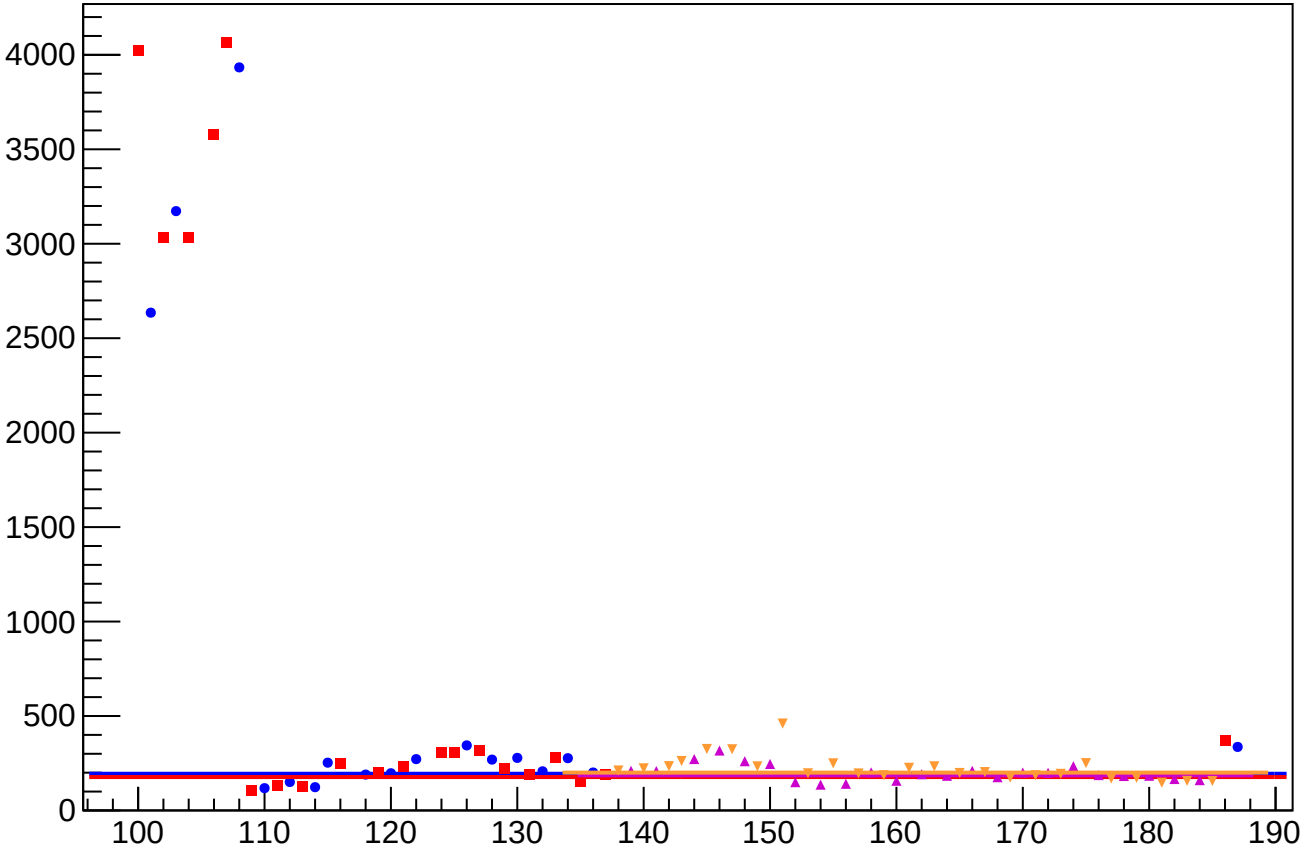
Right: -72.983+/-57.227 χ^2/NDF: 33.1/36

In: 89.663+/-39.861 χ^2/NDF:29.1/39

Out: 62.960+/-40.363 χ^2/NDF:32.4/44

All: 76.479+/-28.362 χ^2/NDF: 61.7/84

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.275+/-0.060 χ^2/NDF: 3890974.3/16

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 176.805+/-0.055 χ^2/NDF: 4533426.2/19

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

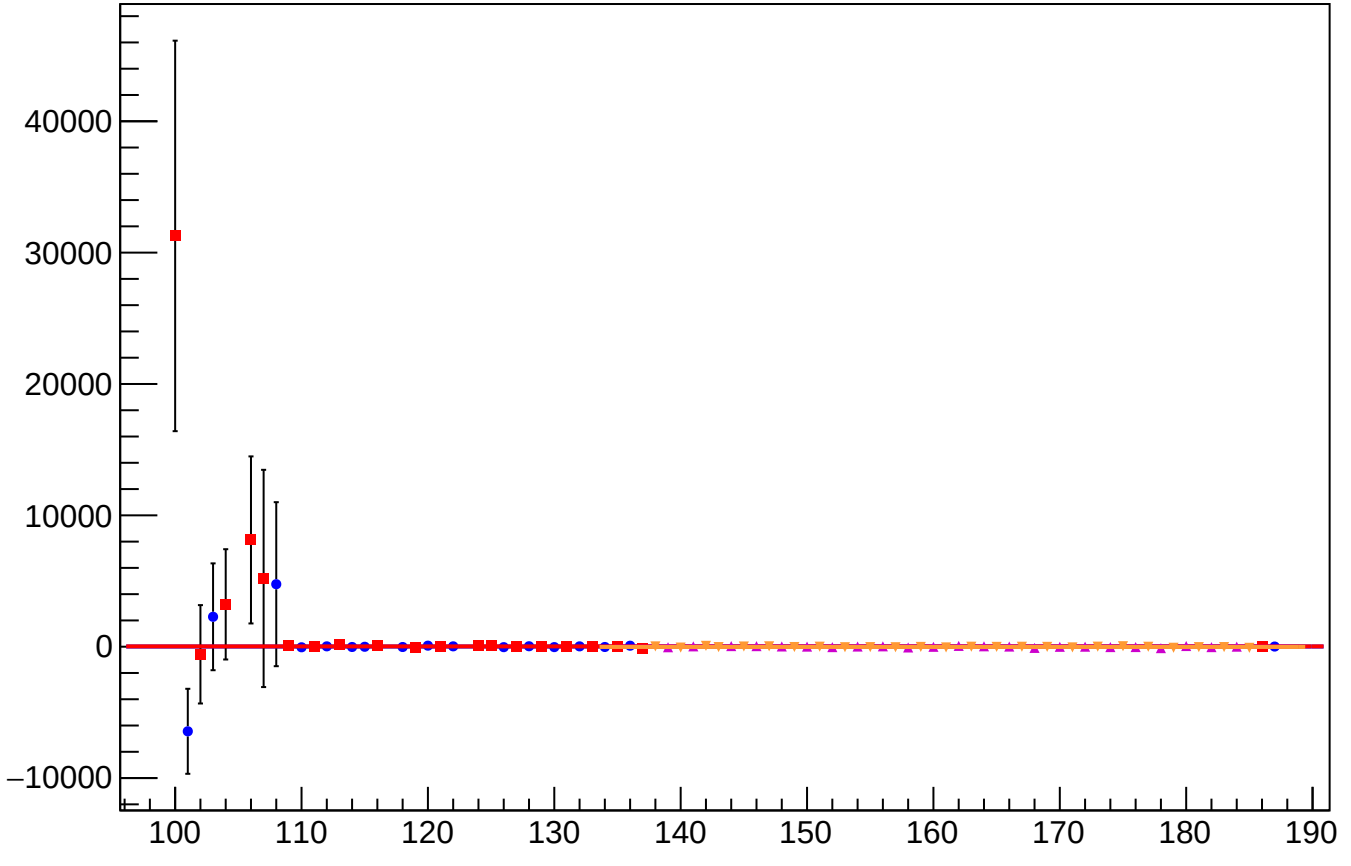
Right: 184.808+/-0.040 χ^2/NDF: 8470667.7/36

In: 187.739+/-0.028 χ^2/NDF:5311864.8/39

Out: 194.019+/-0.029 χ^2/NDF:6544213.5/44

All: 190.840+/-0.020 χ^2/NDF: 11880586.7/84

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.661+/-12.865 χ^2/NDF: 15.5/16

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 24.108+/-12.801 χ^2/NDF: 28.8/19

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

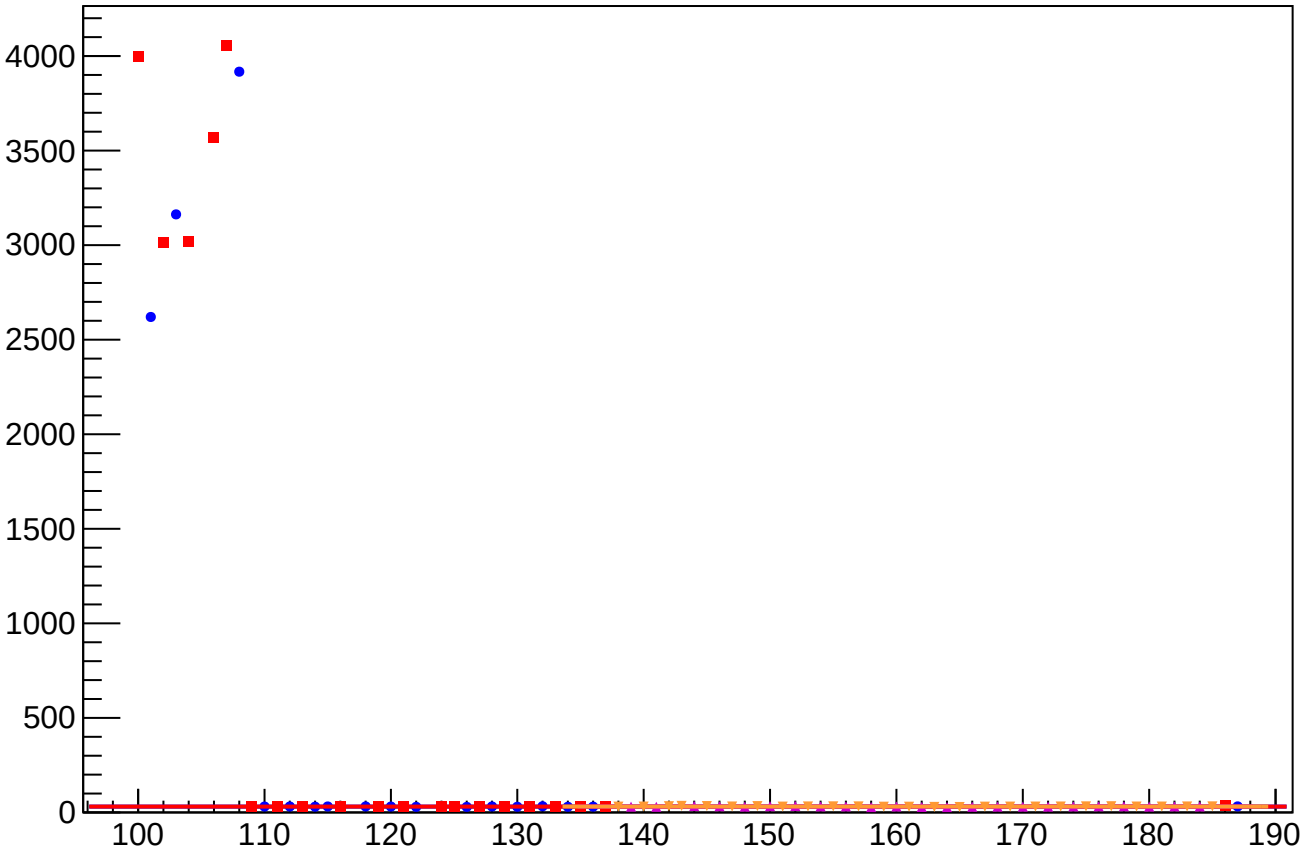
Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

Right: 18.910+/-9.074 χ^2/NDF: 44.6/36

In: 1.318+/-6.380 χ^2/NDF:52.2/39

Out: -8.463+/-6.232 χ^2/NDF:57.6/44

All: -3.688+/-4.458 χ^2/NDF: 111.1/84



Right In: 30.962+/-0.009 χ^2/NDF: 3253046.2/16

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.989+/-0.009 χ^2/NDF: 3545372.0/19

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

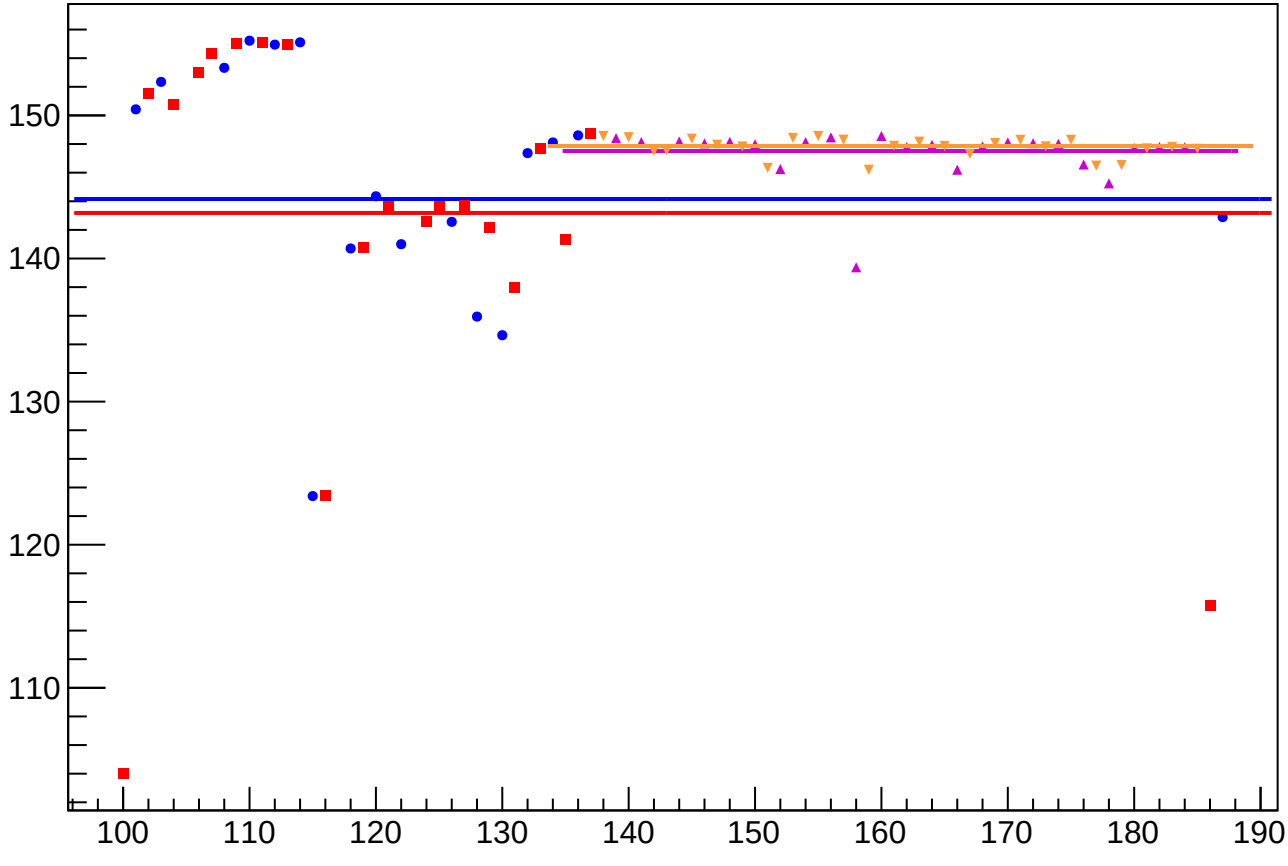
Right: 30.976+/-0.006 χ^2/NDF: 6798422.7/36

In: 31.277+/-0.005 χ^2/NDF:3339864.5/39

Out: 31.257+/-0.004 χ^2/NDF:3609534.6/44

All: 31.266+/-0.003 χ^2/NDF: 6949409.2/84

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.158+/-0.000 χ^2/NDF: 3726102788.8/16

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 143.185+/-0.000 χ^2/NDF: 6069615691.8/19

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

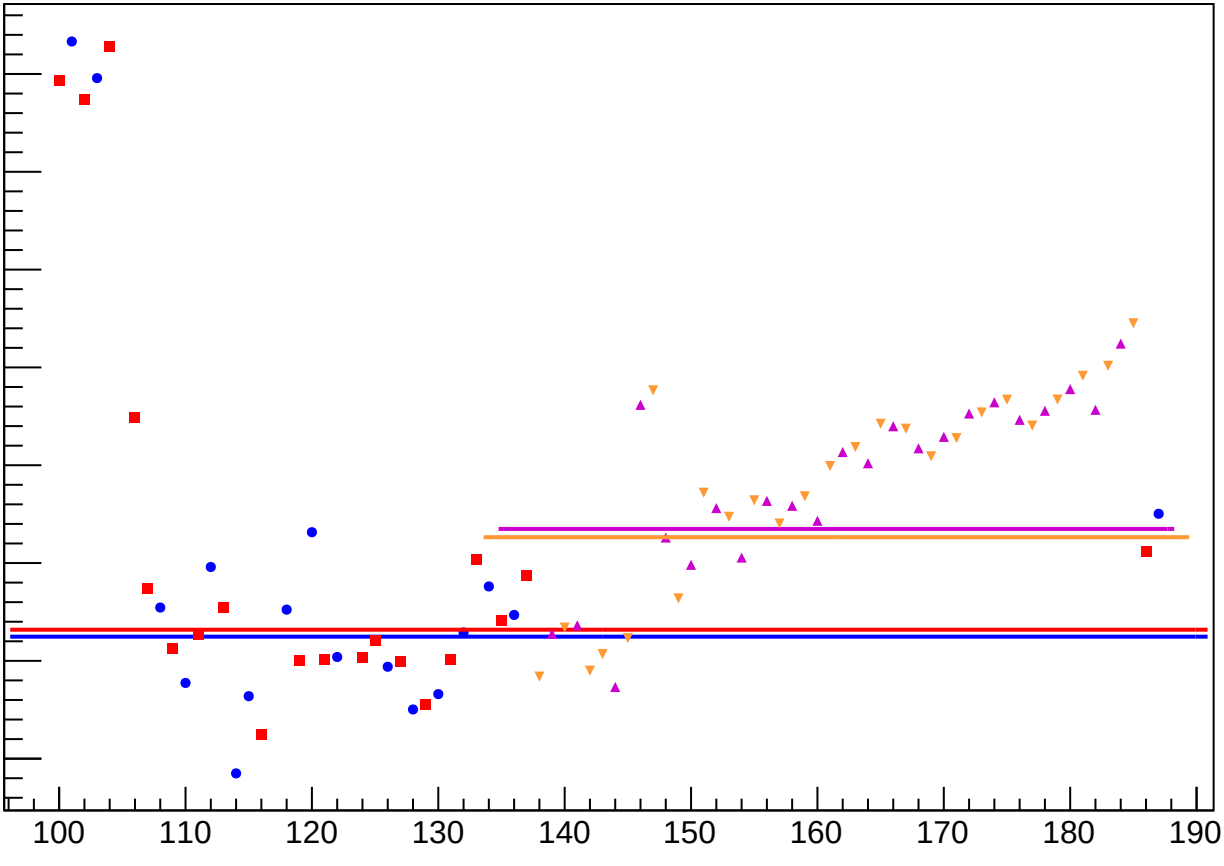
Right: 143.667+/-0.000 χ^2/NDF: 9823340225.4/36

In: 146.191+/-0.000 χ^2/NDF:4427347885.8/39

Out: 146.099+/-0.000 χ^2/NDF:6916013898.8/44

All: 146.144+/-0.000 χ^2/NDF: 11344004282.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.325+/-0.000 χ^2/NDF: 1422784.2/16

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.332+/-0.000 χ^2/NDF: 1334855.2/19

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

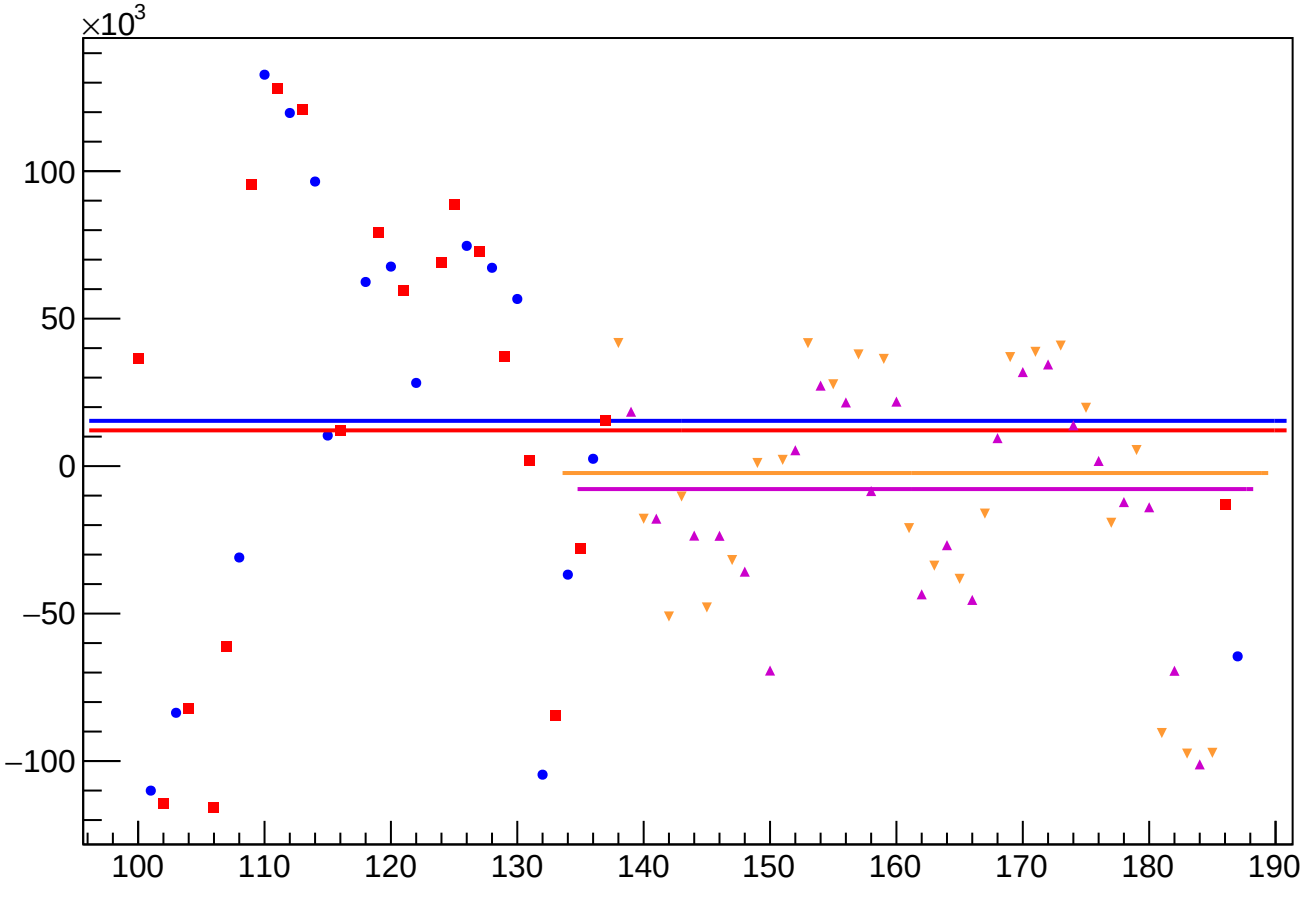
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.328+/-0.000 χ^2/NDF: 2760584.5/36

In: 0.392+/-0.000 χ^2/NDF:4049682.8/39

Out: 0.391+/-0.000 χ^2/NDF:4248999.6/44

All: 0.391+/-0.000 χ^2/NDF: 8298773.3/84



Right In: 15346.751+/-1.977 χ^2/NDF: 1446074813.7/16

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: 12115.555+/-1.868 χ^2/NDF: 1868083027.0/19

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

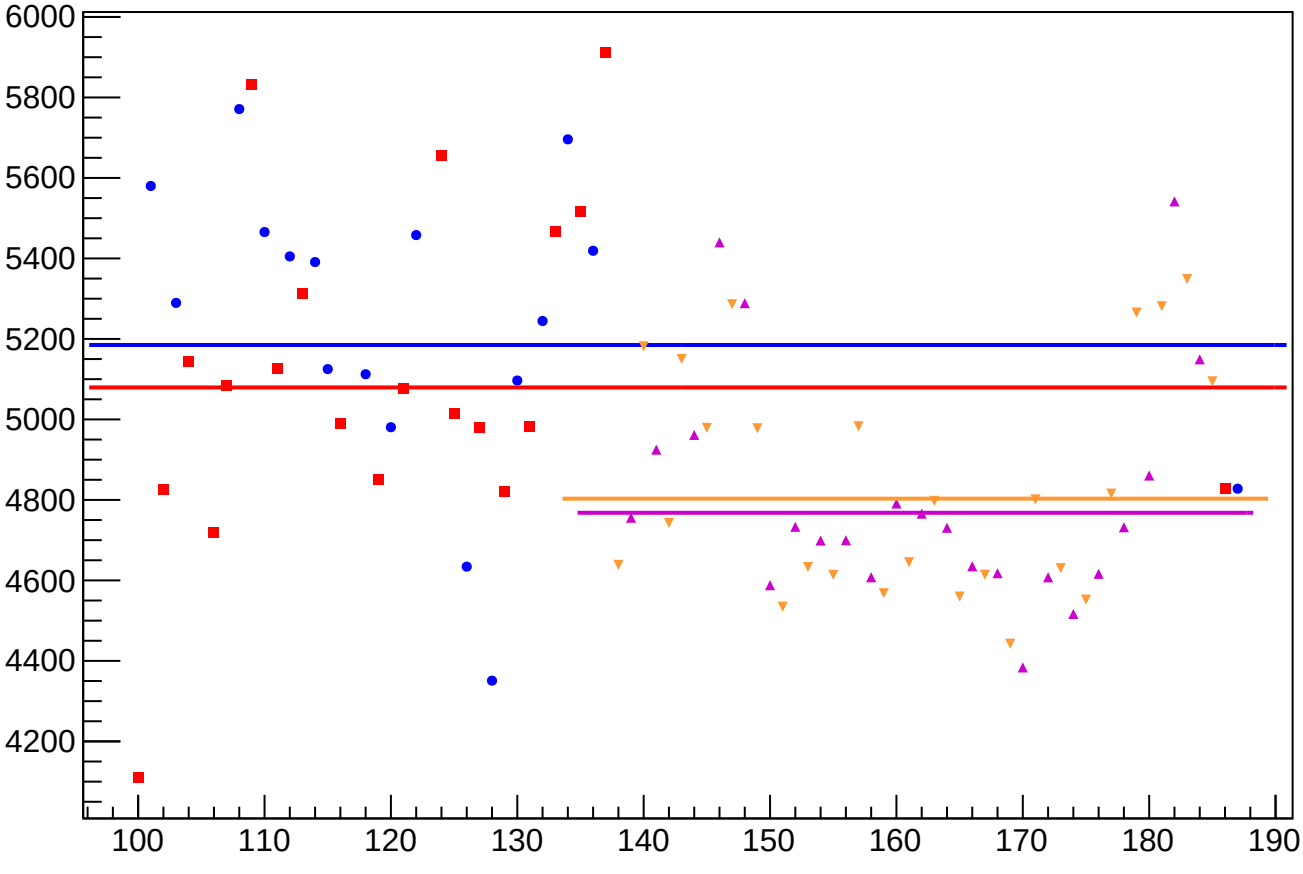
Right: 13639.501+/-1.358 χ^2/NDF: 3315569164.1/3

In: -1980.642+/-0.991 χ^2/NDF:2311127267.5/39

Out: 1495.564+/-0.963 χ^2/NDF:3142127123.0/44

All: -192.860+/-0.690 χ^2/NDF: 5459588459.1

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5184.938+/-1.398 χ^2/NDF: 79059.0/16

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5079.467+/-1.321 χ^2/NDF: 61357.1/19

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

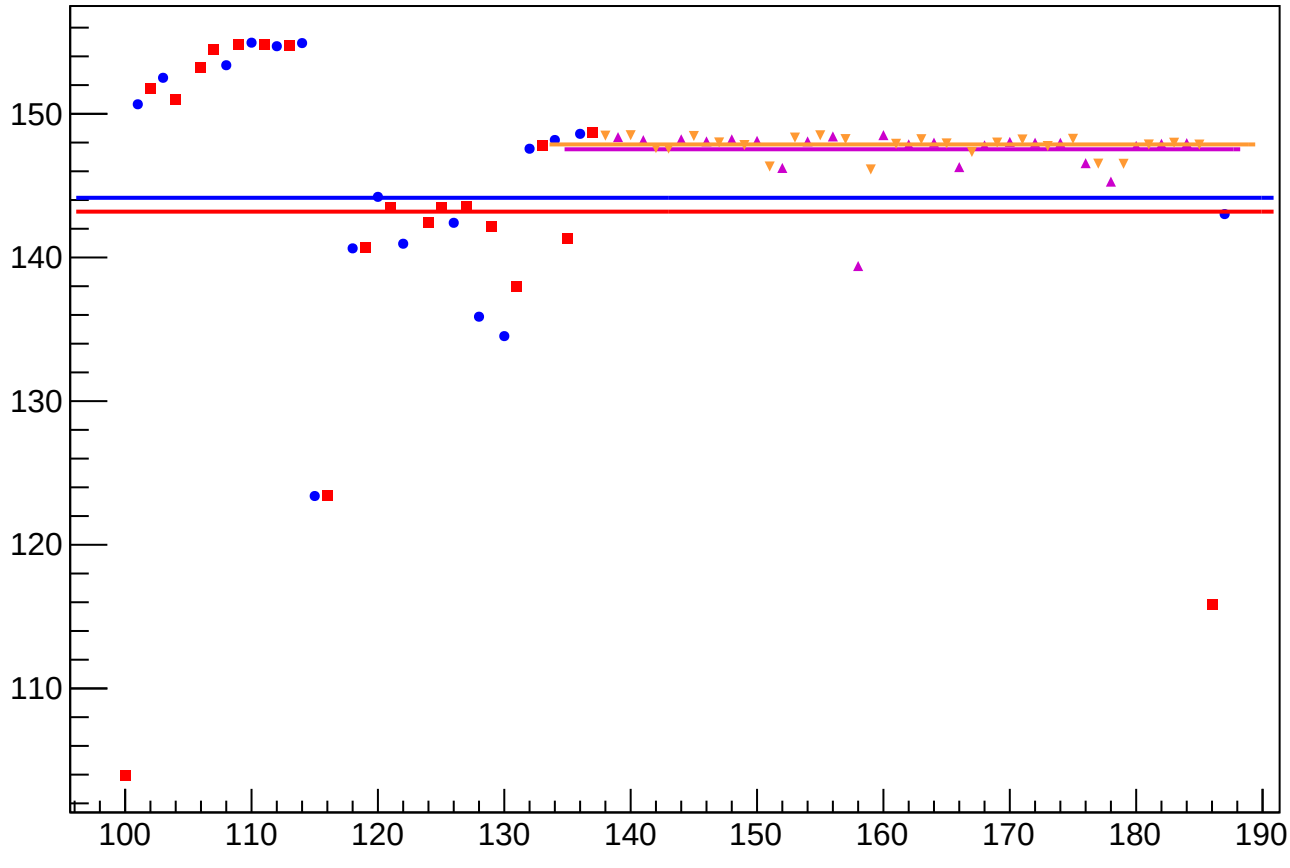
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5129.210+/-0.960 χ^2/NDF: 143423.5/36

In: 4872.700+/-0.700 χ^2/NDF:248017.6/39

Out: 4876.525+/-0.681 χ^2/NDF:208184.3/44

All: 4874.667+/-0.488 χ^2/NDF: 456217.3/84



Right In: 144.155+/-0.000 χ^2/NDF: 3765934176.8/16

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 143.191+/-0.000 χ^2/NDF: 6072148275.2/19

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

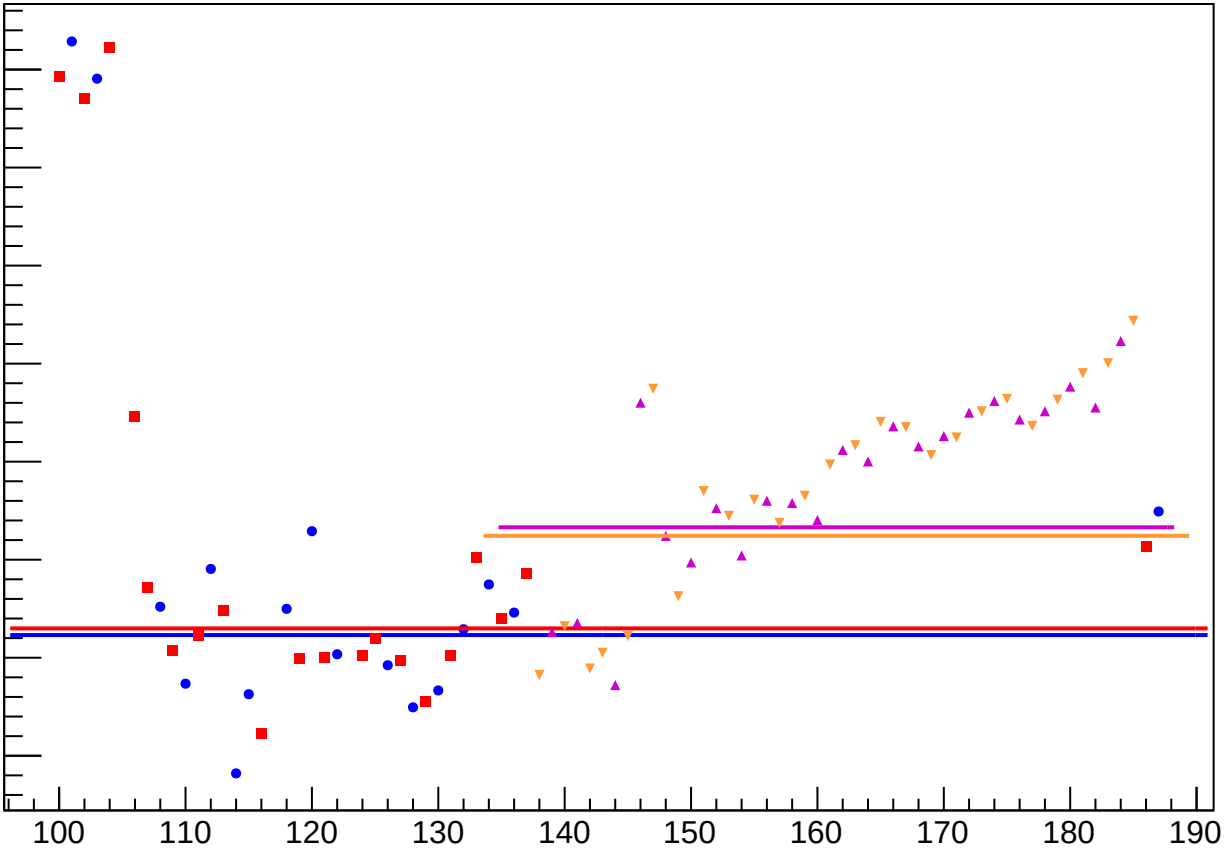
Right: 143.669+/-0.000 χ^2/NDF: 9865471552.5/36

In: 146.201+/-0.000 χ^2/NDF:4477126993.4/39

Out: 146.103+/-0.000 χ^2/NDF:6926256962.7/44

All: 146.151+/-0.000 χ^2/NDF: 11404117507.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1423325.5/16

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.330+/-0.000 χ^2/NDF: 1336104.3/19

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

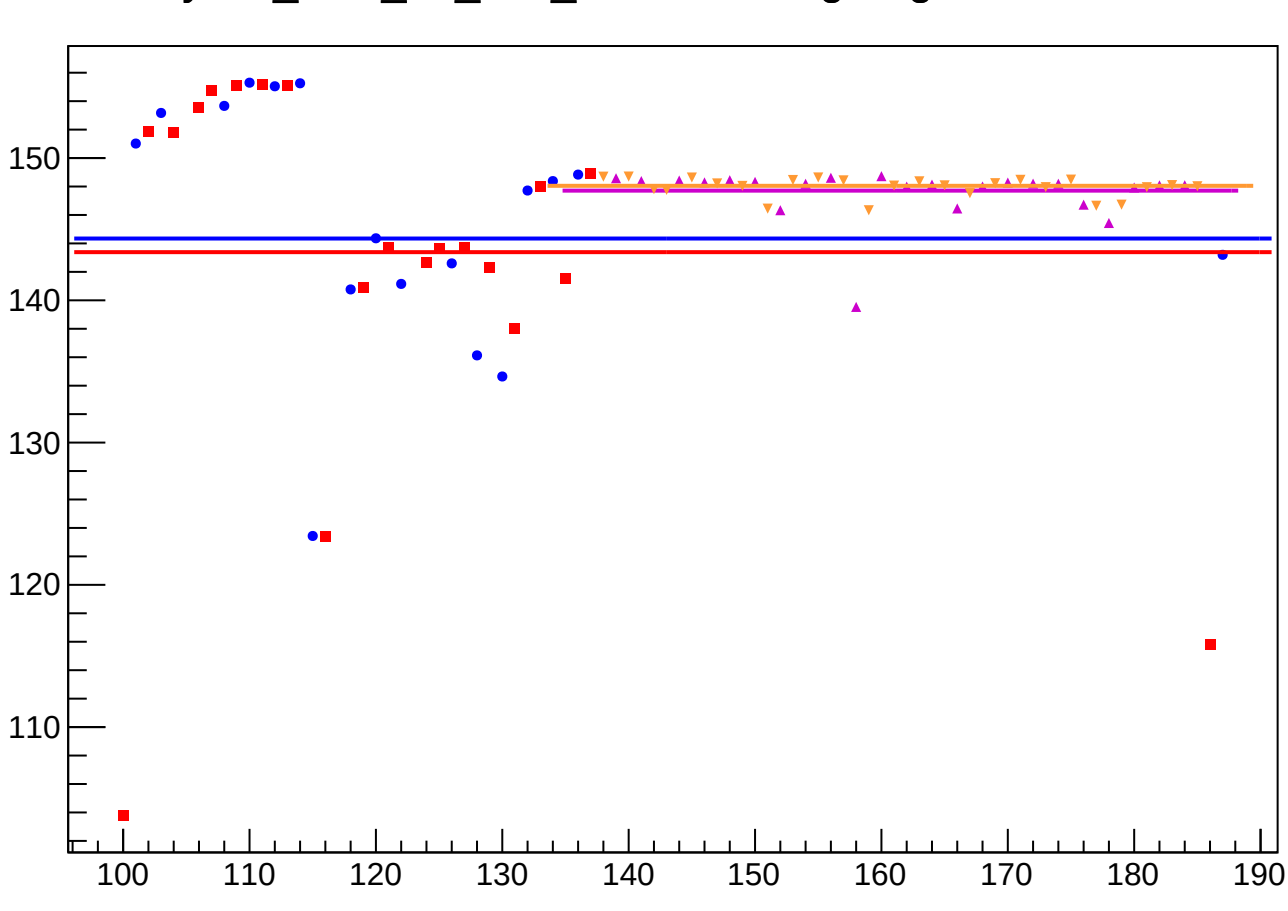
Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

Right: 0.327+/-0.000 χ^2/NDF: 2762141.5/36

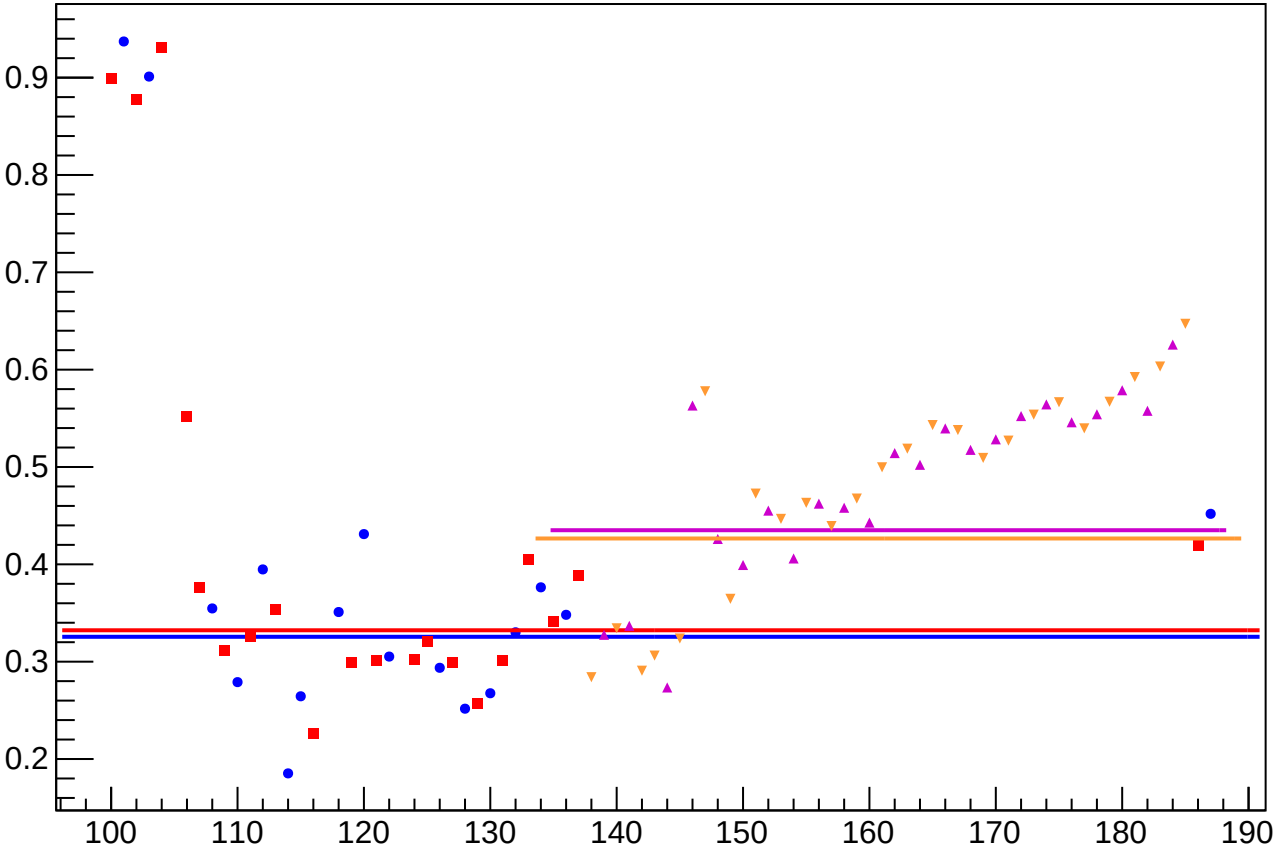
In: 0.390+/-0.000 χ^2/NDF:4050858.2/39

Out: 0.389+/-0.000 χ^2/NDF:4256712.3/44

All: 0.389+/-0.000 χ^2/NDF: 8307735.8/84


yield_bcm_an_ds3_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
180
190
Right In: 144.344+/-0.000 χ²/NDF: 3759729697.1/16
Left Out: 148.049+/-0.000 χ²/NDF:44901895.1/24
Right Out: 143.386+/-0.000 χ²/NDF: 6041134274.7/19
Left In: 147.710+/-0.000 χ²/NDF:311841433.9/22
Left: 147.887+/-0.000 χ²/NDF: 362079380.3/47
Right: 143.861+/-0.000 χ²/NDF: 9827522538.2/36
In: 146.388+/-0.000 χ²/NDF:4468246361.0/39
Out: 146.293+/-0.000 χ²/NDF:6880241091.5/44
All: 146.339+/-0.000 χ²/NDF: 11349171472.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.326+/-0.000 χ^2/NDF: 1419256.9/16

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.332+/-0.000 χ^2/NDF: 1338277.0/19

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

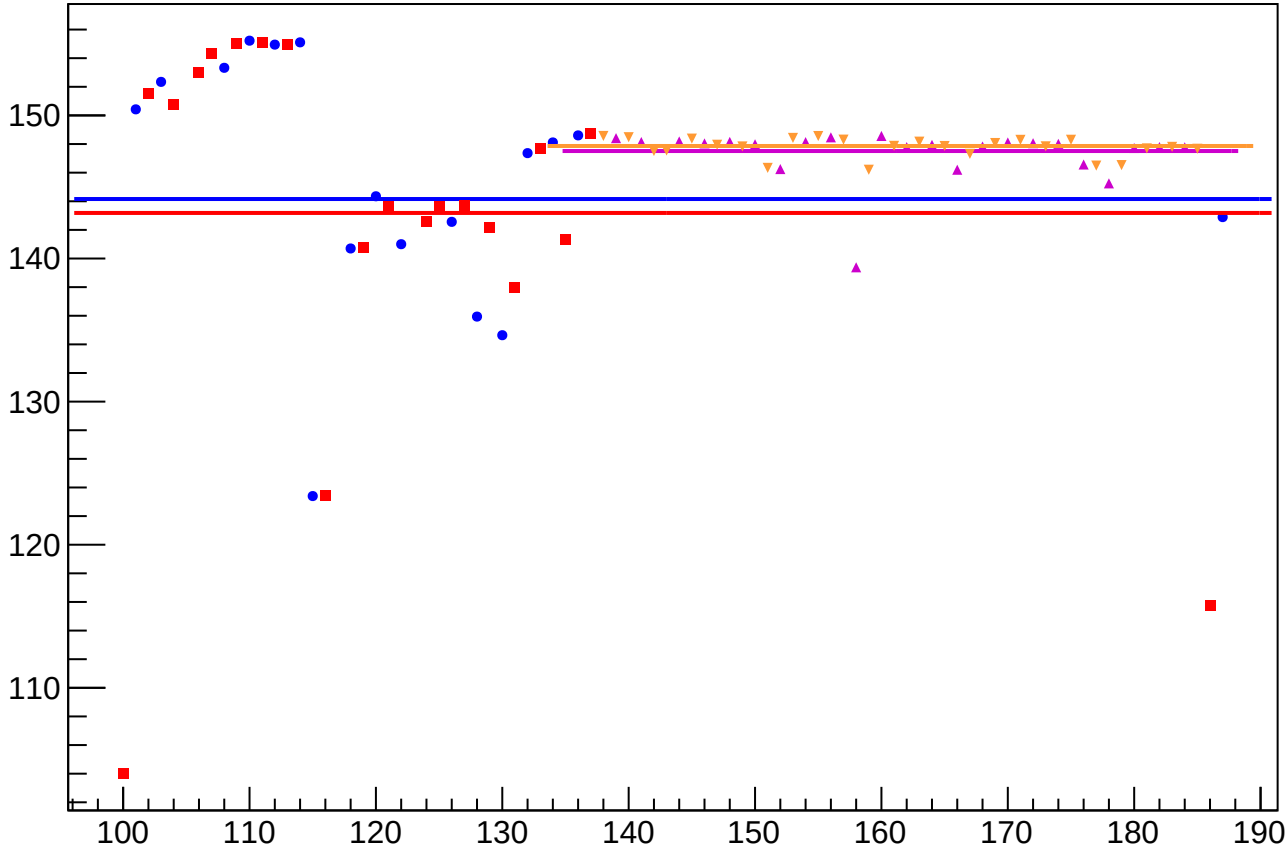
Right: 0.329+/-0.000 χ^2/NDF: 2760139.5/36

In: 0.392+/-0.000 χ^2/NDF:4028233.8/39

Out: 0.391+/-0.000 χ^2/NDF:4245251.0/44

All: 0.392+/-0.000 χ^2/NDF: 8273639.5/84

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.158+/-0.000 χ^2/NDF: 3726102788.8/16

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 143.185+/-0.000 χ^2/NDF: 6069615691.8/19

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

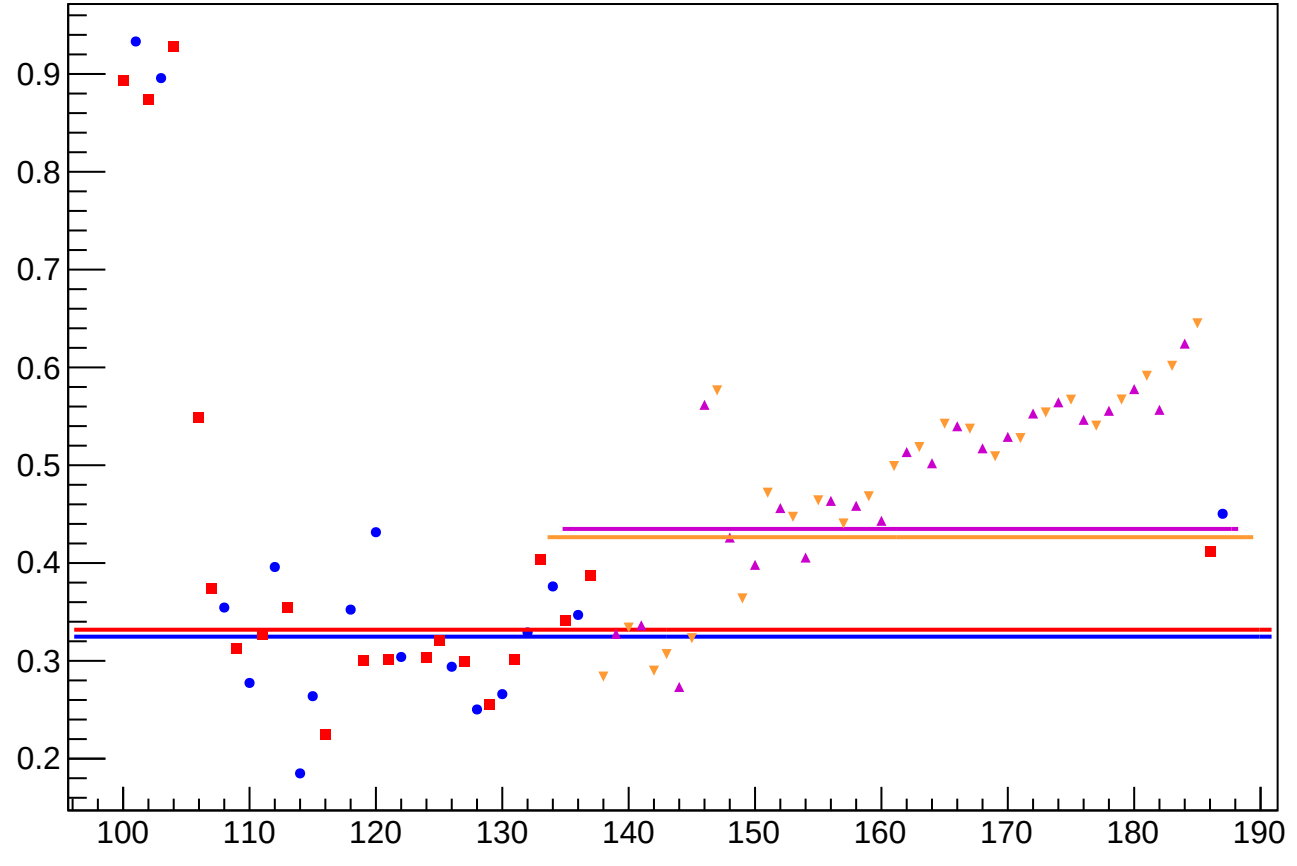
Right: 143.667+/-0.000 χ^2/NDF: 9823340225.4/36

In: 146.191+/-0.000 χ^2/NDF:4427347885.8/39

Out: 146.099+/-0.000 χ^2/NDF:6916013898.8/44

All: 146.144+/-0.000 χ^2/NDF: 11344004282.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.325+/-0.000 χ^2/NDF: 1422784.2/16

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.332+/-0.000 χ^2/NDF: 1334855.2/19

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

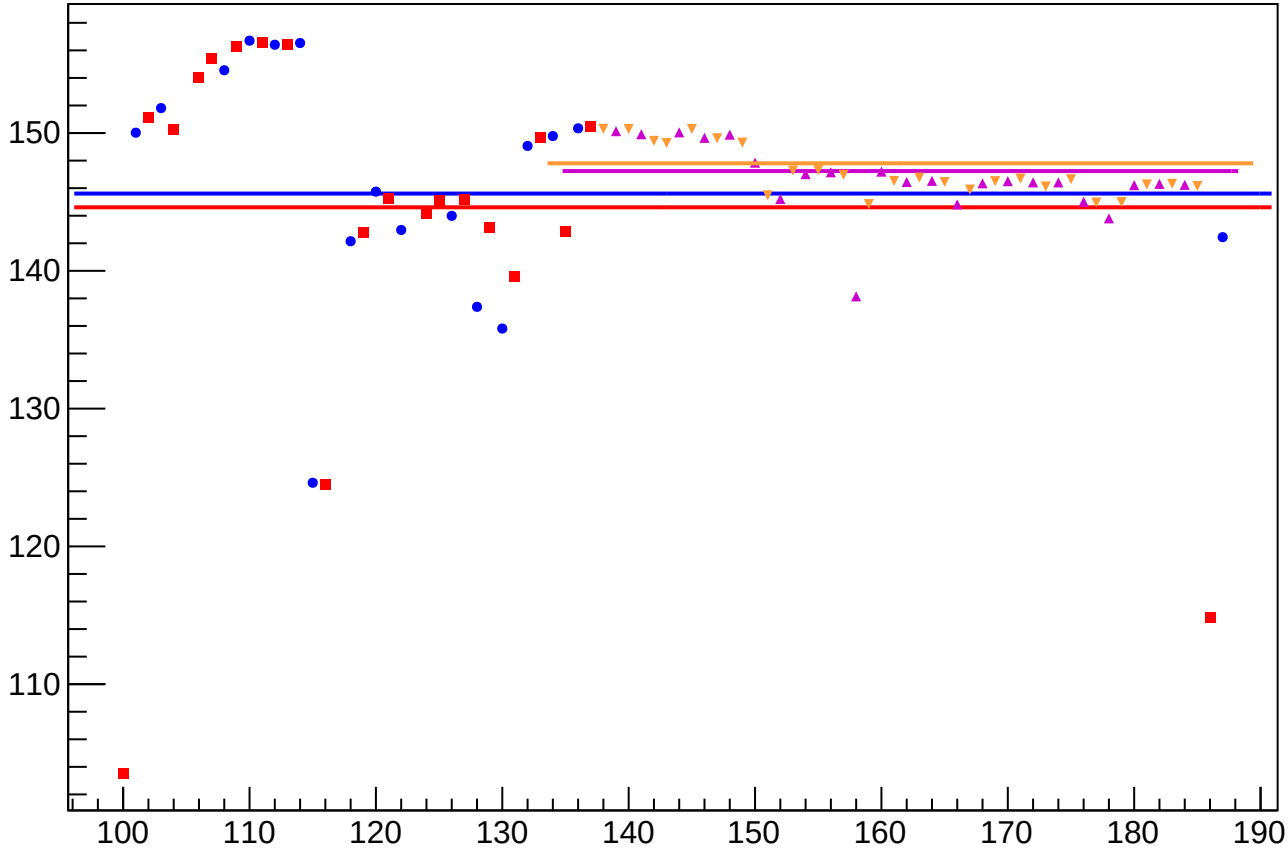
Right: 0.328+/-0.000 χ^2/NDF: 2760584.5/36

In: 0.392+/-0.000 χ^2/NDF:4049682.8/39

Out: 0.391+/-0.000 χ^2/NDF:4248999.6/44

All: 0.391+/-0.000 χ^2/NDF: 8298773.3/84

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.608+/-0.000 χ^2/NDF: 3489735029.8/16

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 144.611+/-0.000 χ^2/NDF: 5975995272.8/19

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

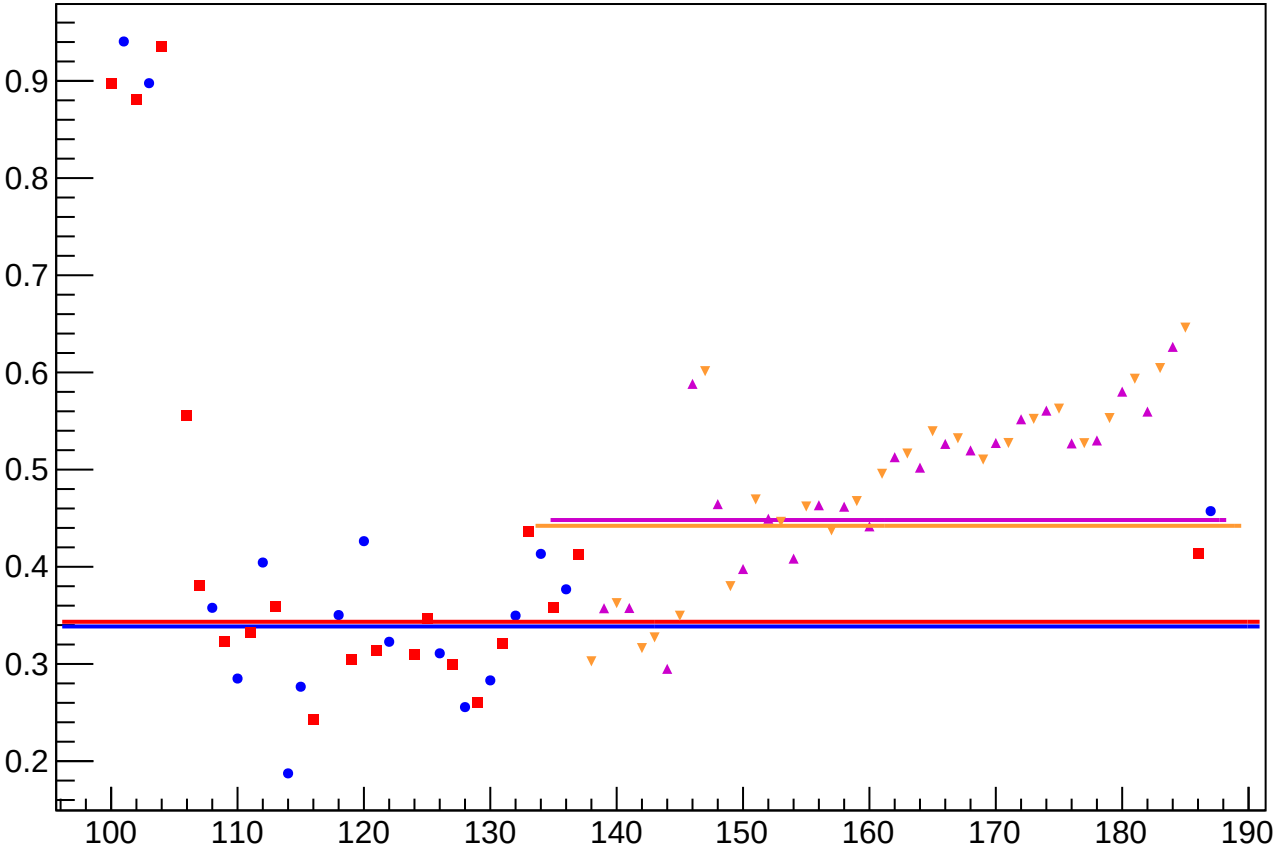
Right: 145.102+/-0.000 χ^2/NDF: 9492573437.6/36

In: 146.612+/-0.000 χ^2/NDF:4195724636.4/39

Out: 146.607+/-0.000 χ^2/NDF:6652663209.9/44

All: 146.609+/-0.000 χ^2/NDF: 10848389648.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.339+/-0.000 χ^2/NDF: 1393698.9/16

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.343+/-0.000 χ^2/NDF: 1298056.2/19

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

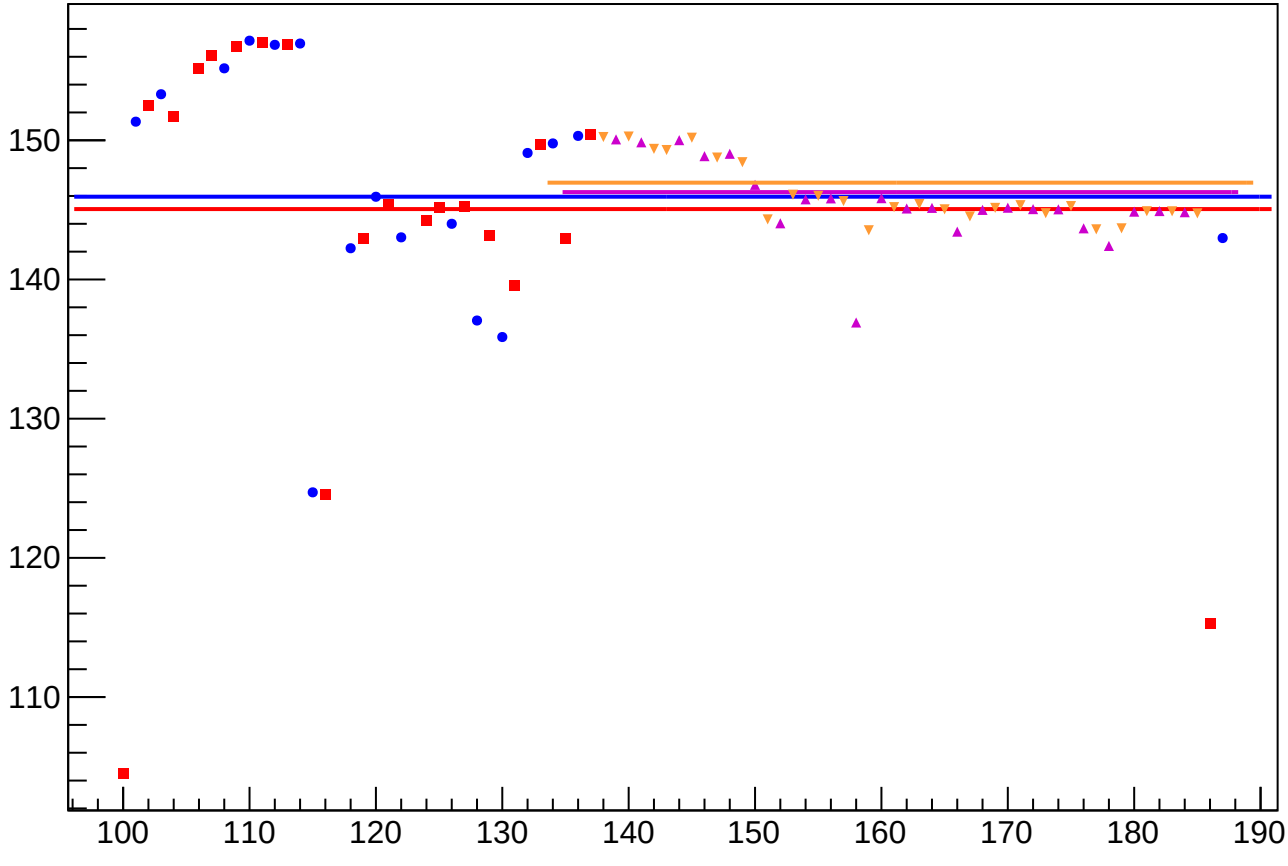
Right: 0.341+/-0.000 χ^2/NDF: 2693023.0/36

In: 0.406+/-0.000 χ^2/NDF:3527623.8/39

Out: 0.405+/-0.000 χ^2/NDF:3671016.9/44

All: 0.406+/-0.000 χ^2/NDF: 7198732.9/84

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.948+/-0.000 χ^2/NDF: 3628615484.9/16

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 145.059+/-0.000 χ^2/NDF: 6054018658.5/19

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

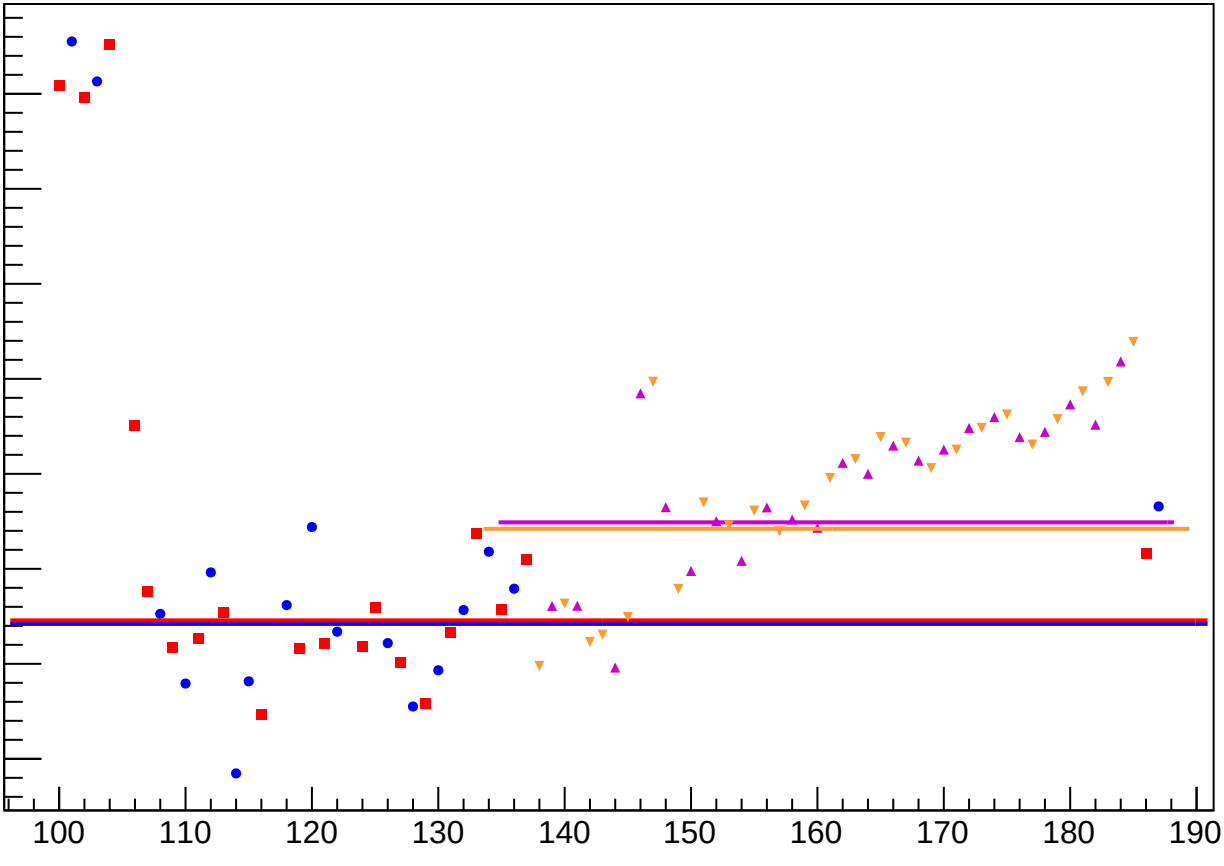
Right: 145.495+/-0.000 χ^2/NDF: 9703572132.6/36

In: 146.152+/-0.000 χ^2/NDF:4457292793.3/39

Out: 146.251+/-0.000 χ^2/NDF:6719026964.2/44

All: 146.203+/-0.000 χ^2/NDF: 11177013989.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.342+/-0.000 χ^2/NDF: 1417419.7/16

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.346+/-0.000 χ^2/NDF: 1293884.4/19

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

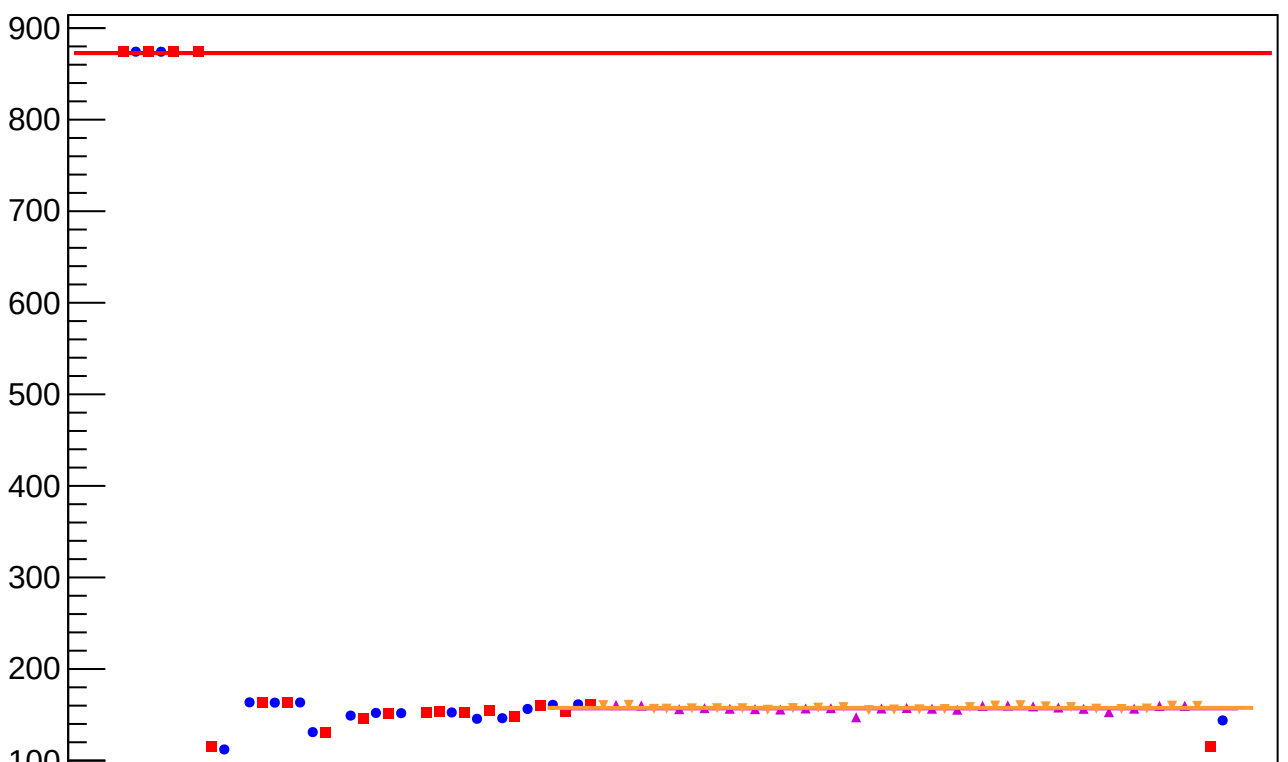
Right: 0.344+/-0.000 χ^2/NDF: 2712043.4/36

In: 0.408+/-0.000 χ^2/NDF:3455139.5/39

Out: 0.406+/-0.000 χ^2/NDF:3600878.4/44

All: 0.407+/-0.000 χ^2/NDF: 7056553.8/84

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.802+/-0.000 χ^2/NDF: 7293515129965.8/16

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.622+/-0.000 χ^2/NDF: 9501357559161.5/19

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

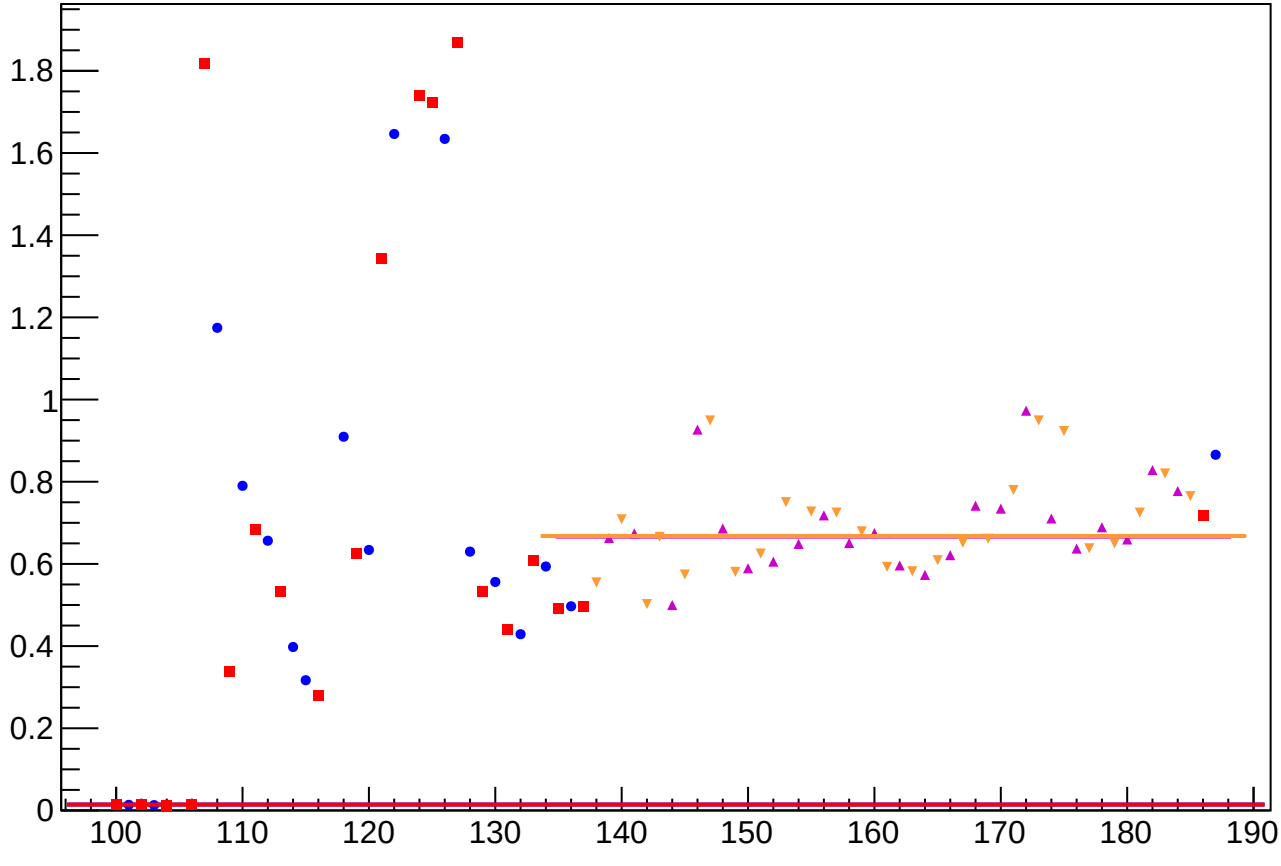
Right: 872.706+/-0.000 χ^2/NDF: 16794996533271.

In: 869.561+/-0.000 χ^2/NDF:23823327732289.8/3

Out: 869.683+/-0.000 χ^2/NDF:26753630833636.1

All: 869.626+/-0.000 χ^2/NDF: 505770156327

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9900416.9/16

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF: 9984568.9/19

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

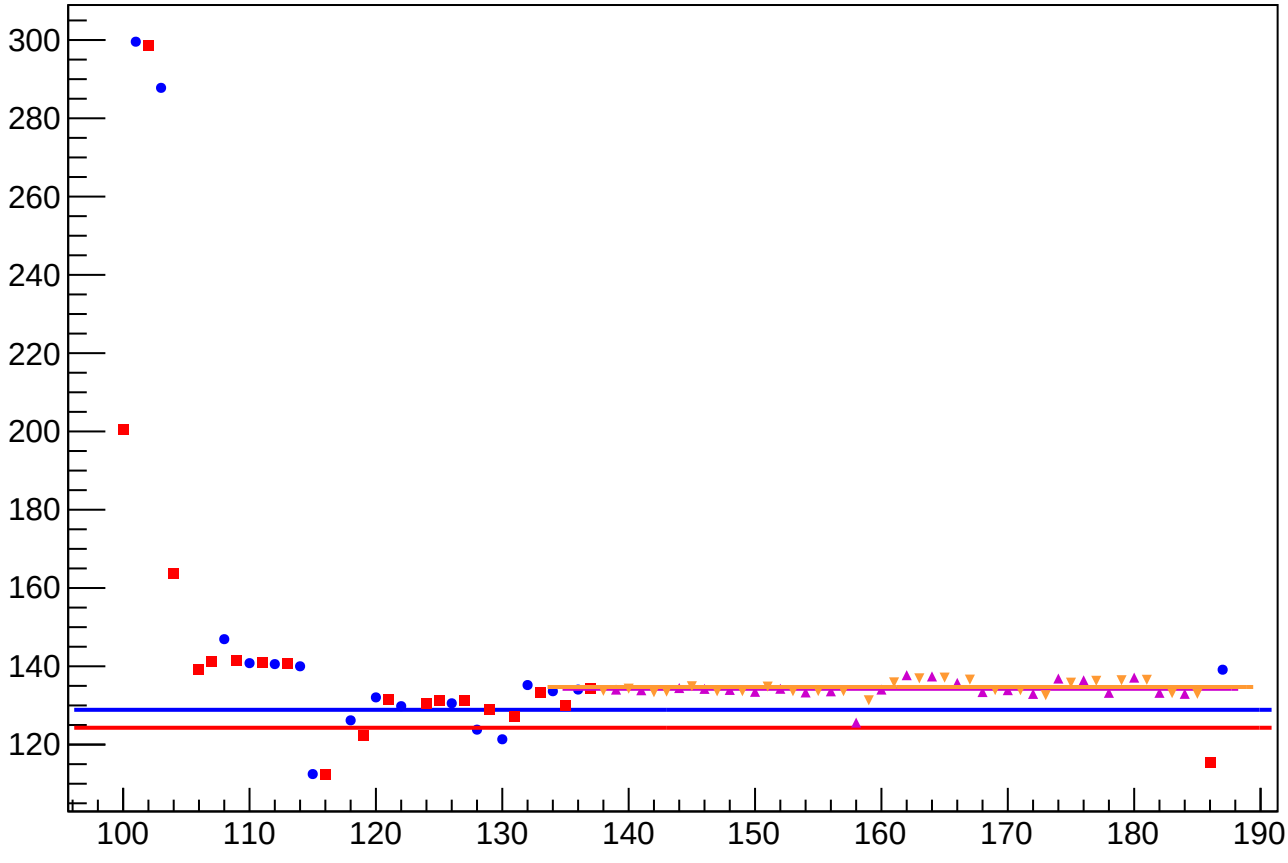
Right: 0.014+/-0.000 χ^2/NDF: 19885085.1/36

In: 0.017+/-0.000 χ^2/NDF:37870851.1/39

Out: 0.017+/-0.000 χ^2/NDF:39501943.5/44

All: 0.017+/-0.000 χ^2/NDF: 77373901.1/84

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.883+/-0.000 χ^2/NDF: 1681580189.4/16

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 124.299+/-0.000 χ^2/NDF: 1483259463.1/19

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

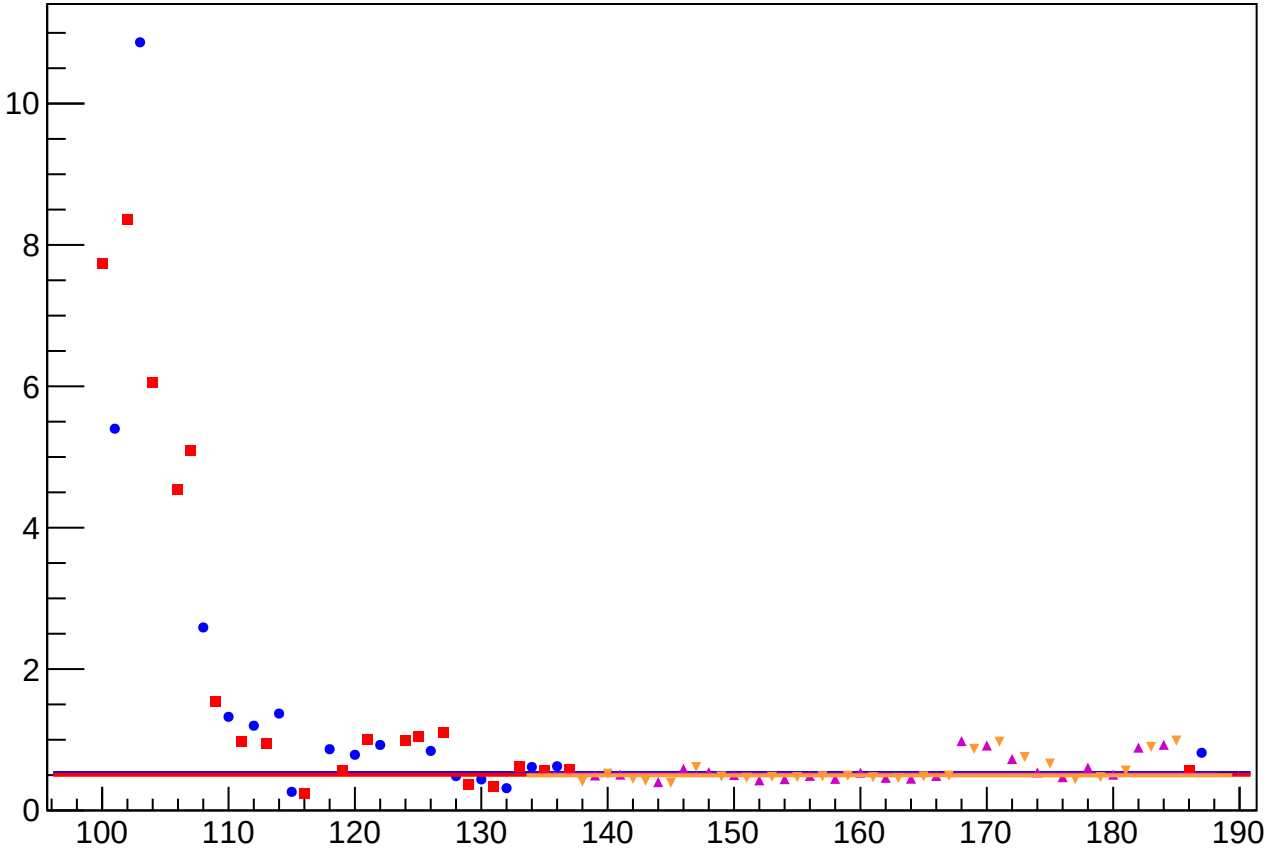
Right: 126.477+/-0.000 χ^2/NDF: 3314899304.2/36

In: 133.264+/-0.000 χ^2/NDF:2442959193.2/39

Out: 132.803+/-0.000 χ^2/NDF:2974499431.3/44

All: 133.022+/-0.000 χ^2/NDF: 5425703326.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.529+/-0.000 χ^2/NDF: 4178233.5/16

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.505+/-0.000 χ^2/NDF: 4892547.5/19

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.516+/-0.000 χ^2/NDF: 9079112.7/36

In: 0.513+/-0.000 χ^2/NDF:5672222.6/39

Out: 0.498+/-0.000 χ^2/NDF:6466665.2/44

All: 0.505+/-0.000 χ^2/NDF: 12155897.7/84

yield_cav4dQ_mean vs Slug, Sign Corrected

Right In: 1837.762+/-0.000 χ^2/NDF: 147871291328152.1/16

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1861.103+/-0.000 χ^2/NDF: 148442334329030.3/19

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

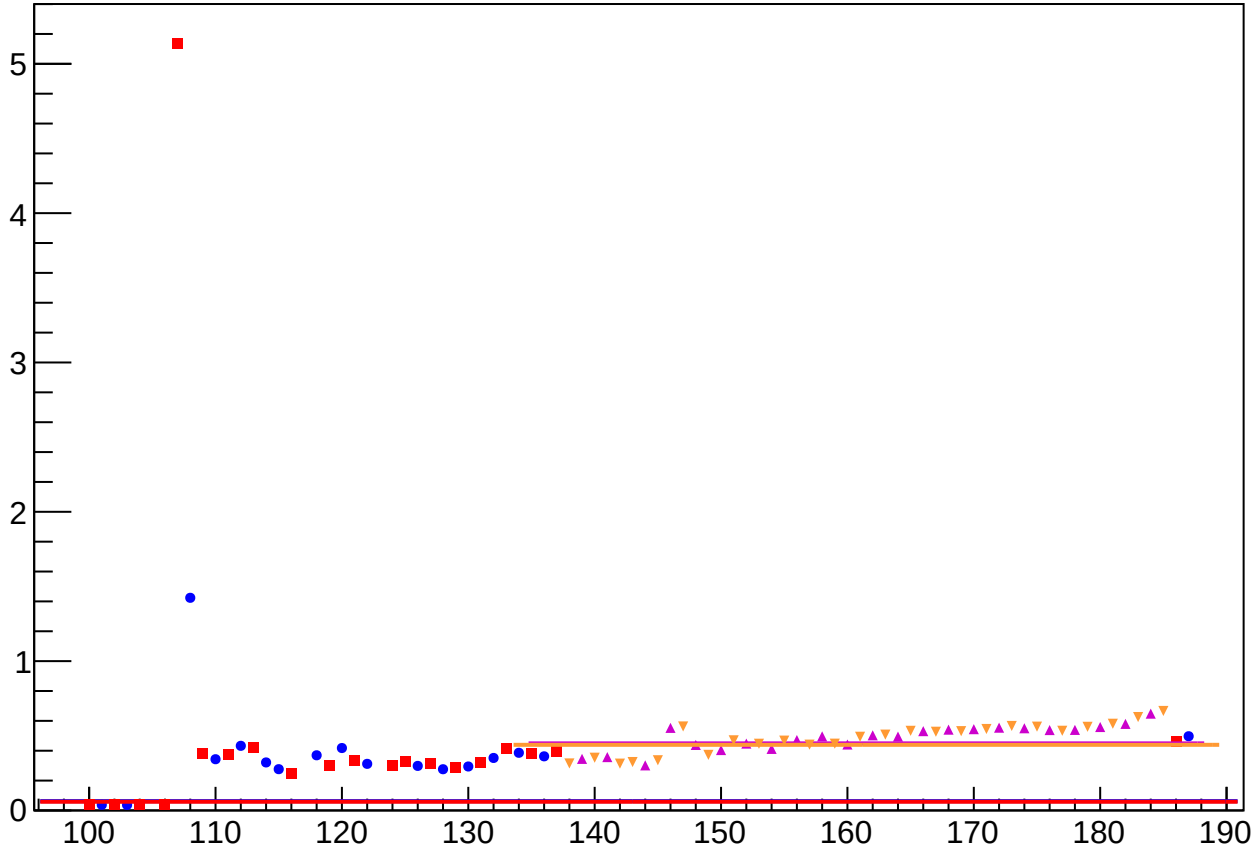
Right: 1850.344+/-0.000 χ^2/NDF: 29648131310268

In: 1617.704+/-0.000 χ^2/NDF:361536363405668.

Out: 1650.722+/-0.000 χ^2/NDF:390577809195310

All: 1635.434+/-0.000 χ^2/NDF: 7524981474

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8430755.1/16

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.058+/-0.000 χ^2/NDF: 8337694.6/19

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

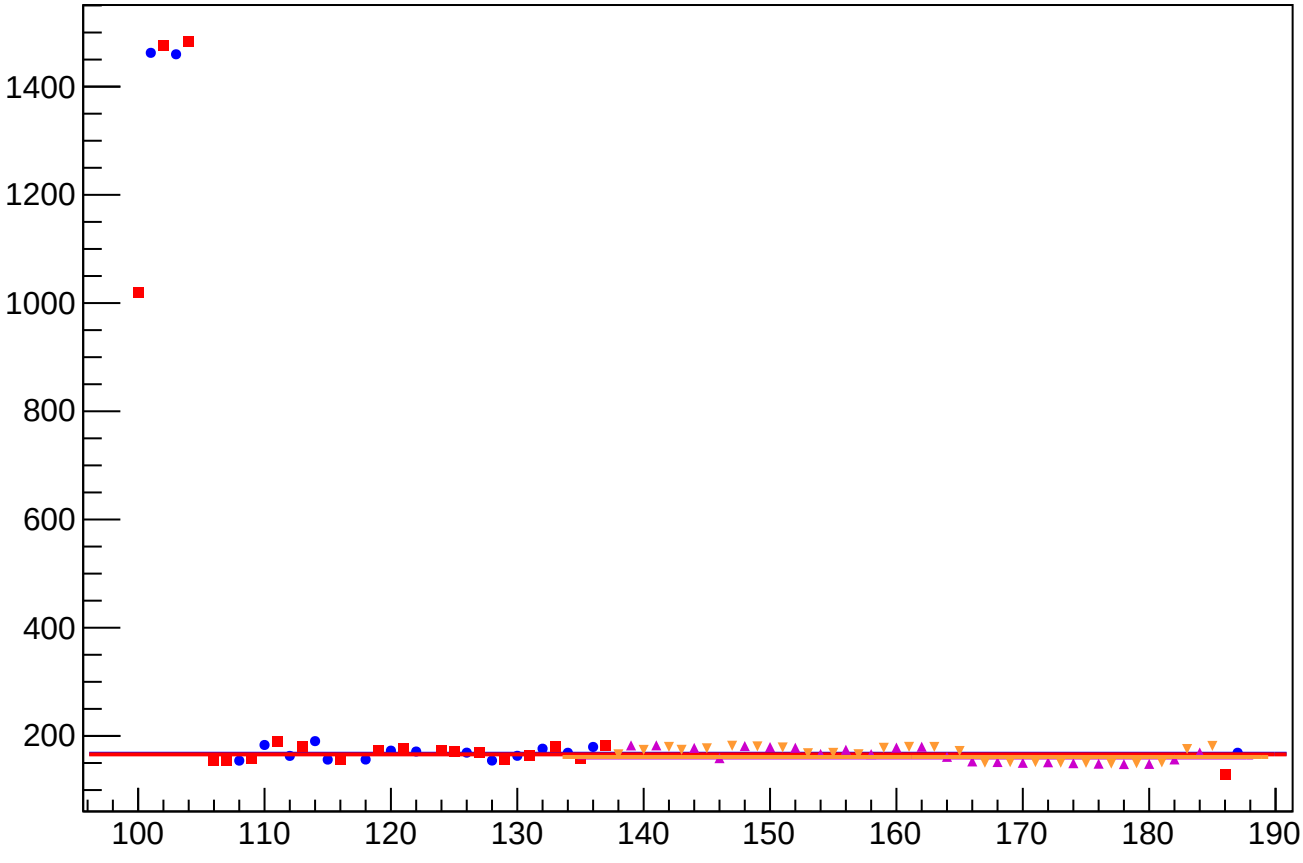
Right: 0.060+/-0.000 χ^2/NDF: 16777756.6/36

In: 0.112+/-0.000 χ^2/NDF:31903496.2/39

Out: 0.105+/-0.000 χ^2/NDF:33787312.3/44

All: 0.108+/-0.000 χ^2/NDF: 65729831.9/84

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.074+/-0.000 χ^2/NDF: 14615560472.6/16

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 165.950+/-0.000 χ^2/NDF: 17057571704.8/19

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

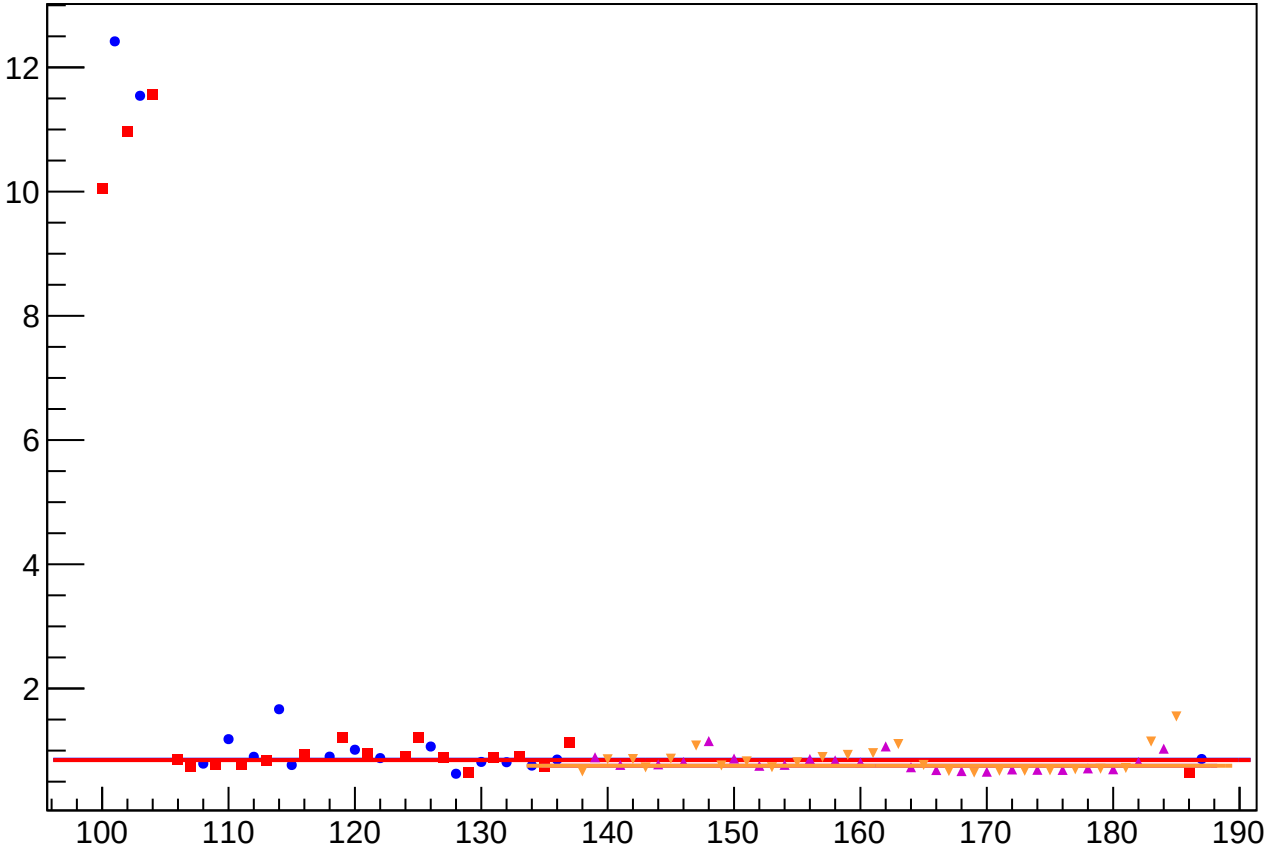
Right: 166.489+/-0.000 χ^2/NDF: 31676723714.1/36

In: 161.443+/-0.000 χ^2/NDF:18567139181.5/39

Out: 162.082+/-0.000 χ^2/NDF:20906710112.8/44

All: 161.770+/-0.000 χ^2/NDF: 39479928315.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302341.7/16

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.847+/-0.000 χ^2/NDF: 2249280.7/19

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

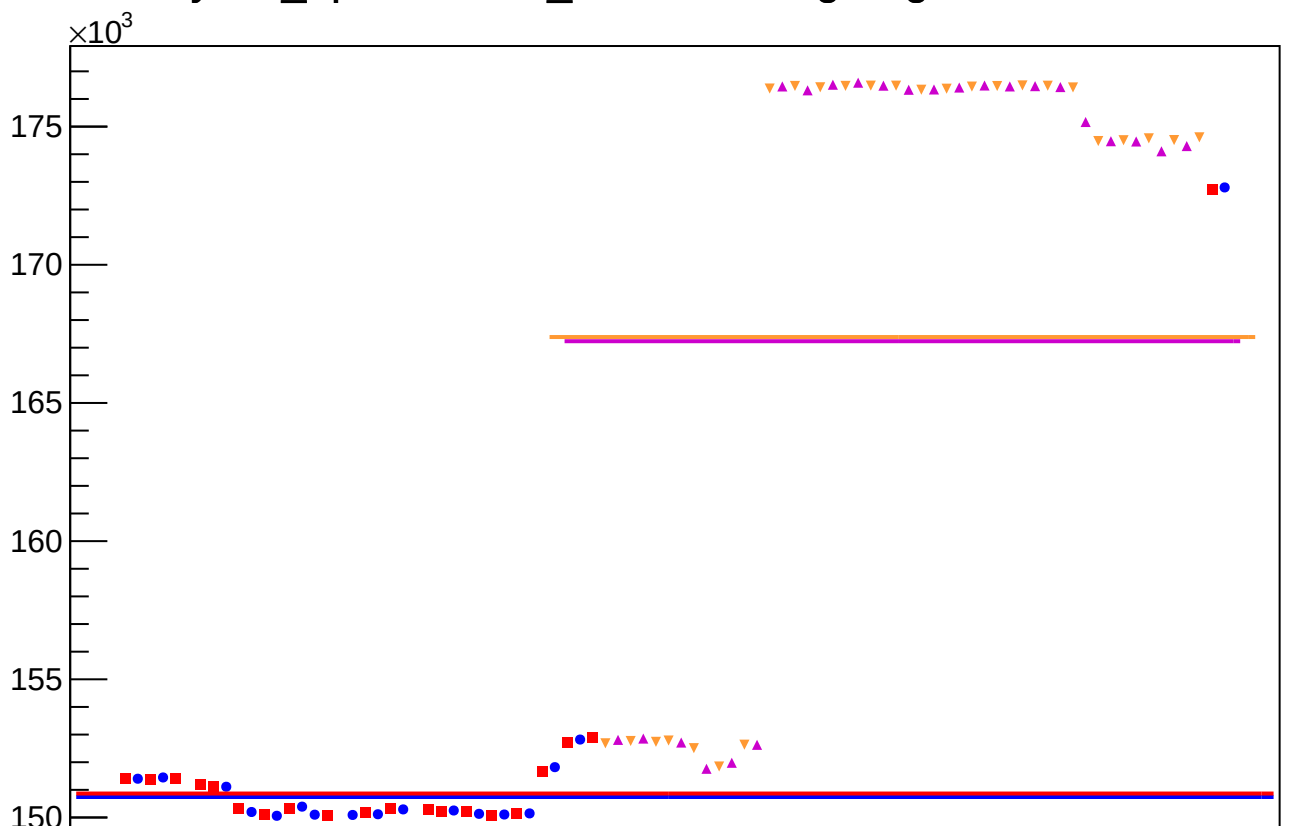
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.850+/-0.000 χ^2/NDF: 4551843.0/36

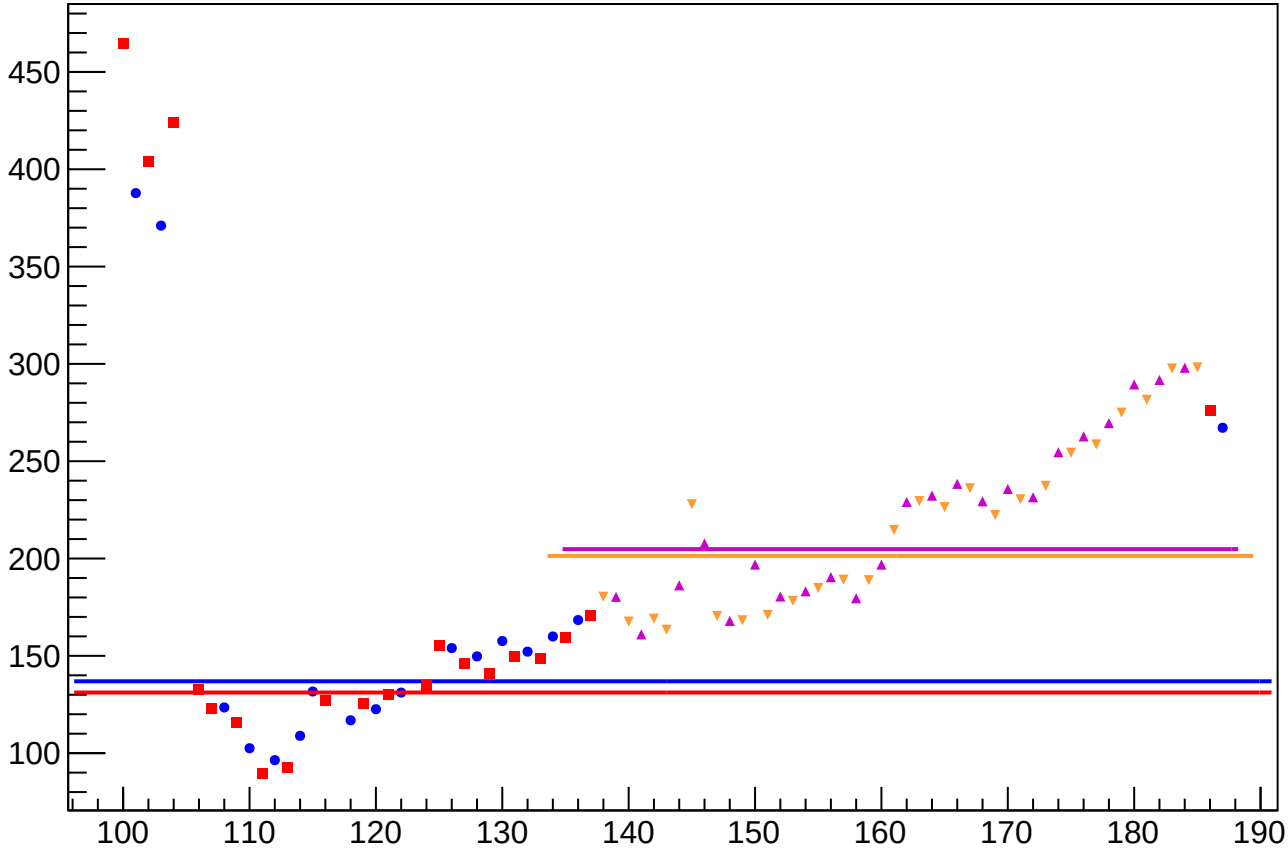
In: 0.774+/-0.000 χ^2/NDF:2860077.7/39

Out: 0.774+/-0.000 χ^2/NDF:3078200.9/44

All: 0.774+/-0.000 χ^2/NDF: 5938279.2/84


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
170
180
190
Right In: 150741.657+/-0.054 χ²/NDF: 1526841817.7/16
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 150866.861+/-0.051 χ²/NDF: 2800684535.7/19
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 150808.745+/-0.037 χ²/NDF: 4330364977.5
In: 159868.181+/-0.036 χ²/NDF:107492669938.5
Out: 159786.315+/-0.034 χ²/NDF:119881348878.
All: 159824.918+/-0.025 χ²/NDF: 22737669

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 136.918+/-0.038 χ^2/NDF: 1506282.4/16

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 131.156+/-0.036 χ^2/NDF: 1843682.2/19

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

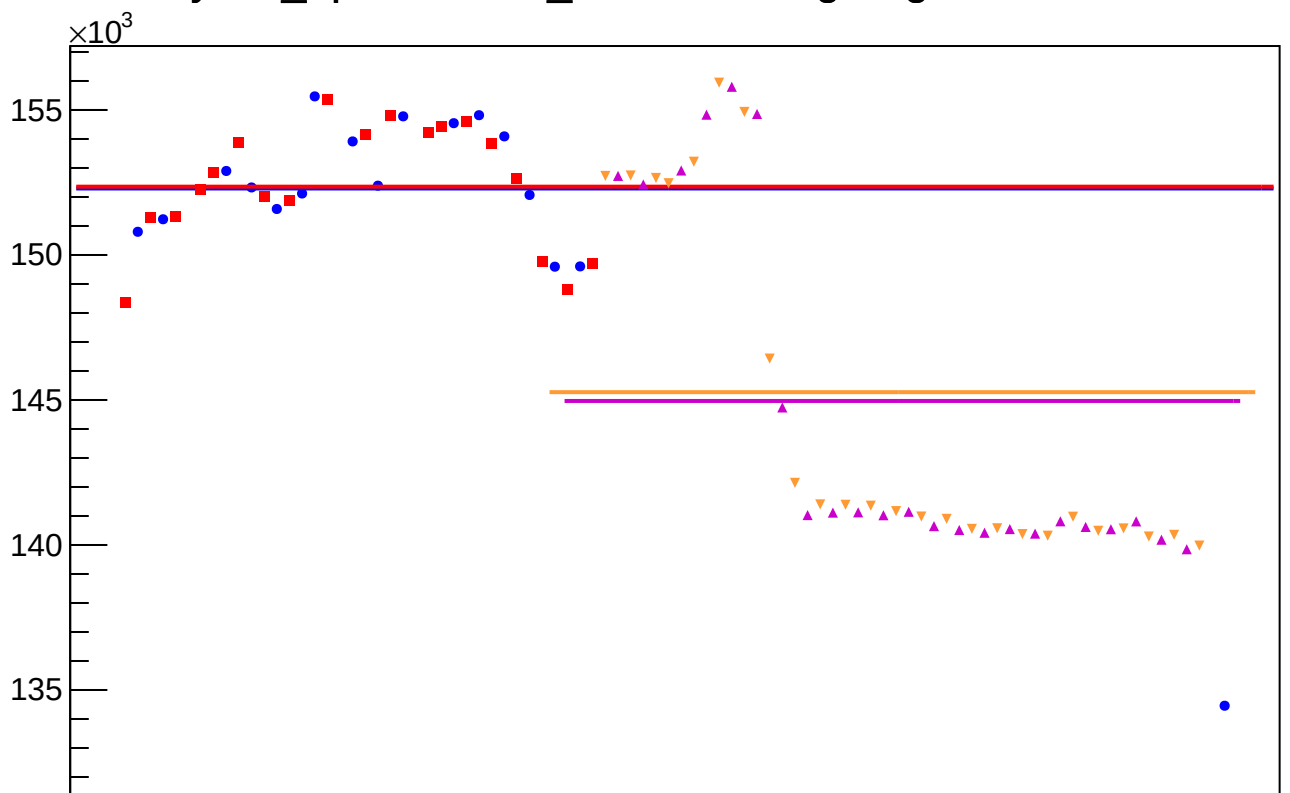
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 133.831+/-0.026 χ^2/NDF: 3361986.4/36

In: 174.496+/-0.026 χ^2/NDF:4284172.6/39

Out: 169.047+/-0.024 χ^2/NDF:5148843.5/44

All: 171.616+/-0.018 χ^2/NDF: 9456765.4/84



Right In: 152293.423+/-0.072 χ^2/NDF: 1524114229.4/16

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 152355.845+/-0.066 χ^2/NDF: 3142546480.6/19

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

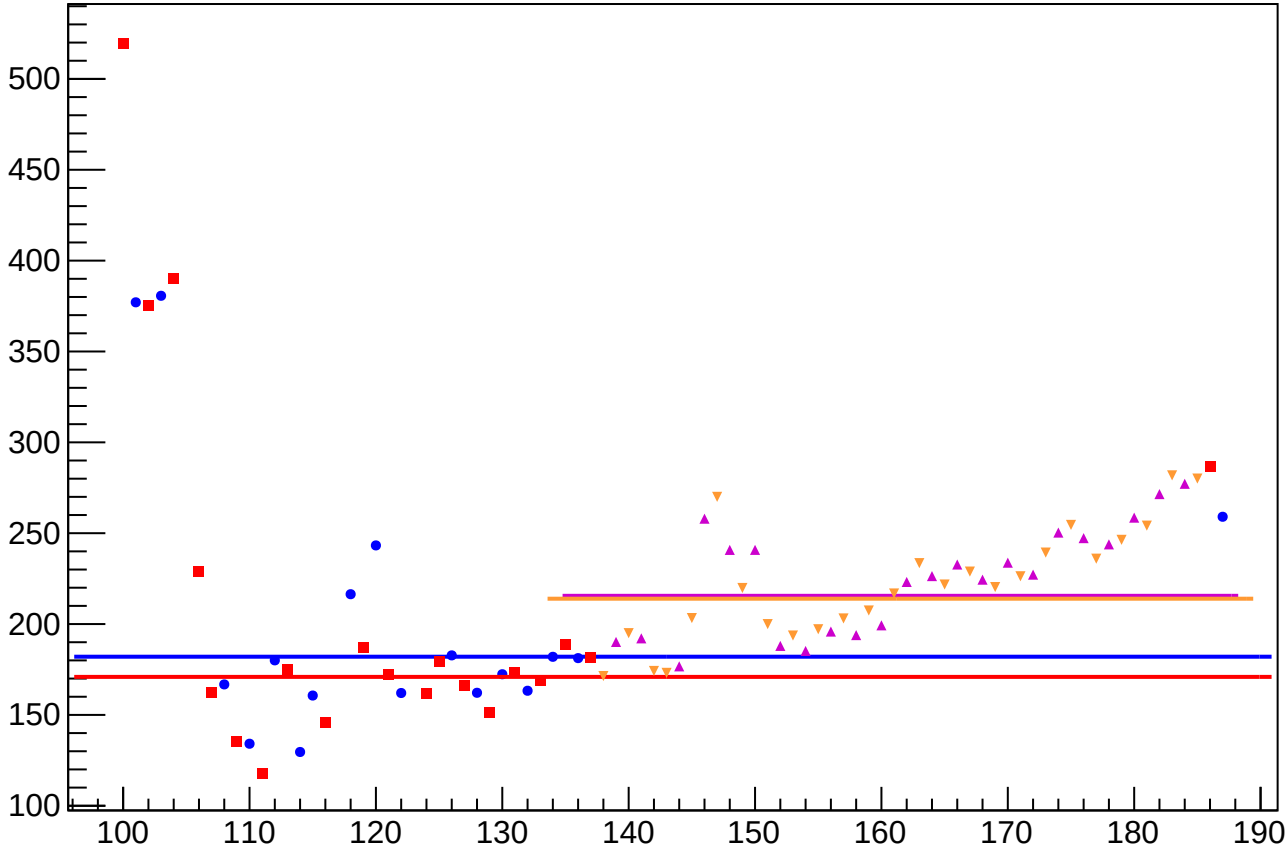
Right: 152327.420+/-0.049 χ^2/NDF: 4667068884.1/

In: 147422.685+/-0.042 χ^2/NDF:21542940065.1/3

Out: 147816.779+/-0.040 χ^2/NDF:24247950147.1

All: 147630.492+/-0.029 χ^2/NDF: 45837877

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 182.033+/-0.051 χ^2/NDF: 940181.3/16

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 170.924+/-0.047 χ^2/NDF: 1226366.1/19

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

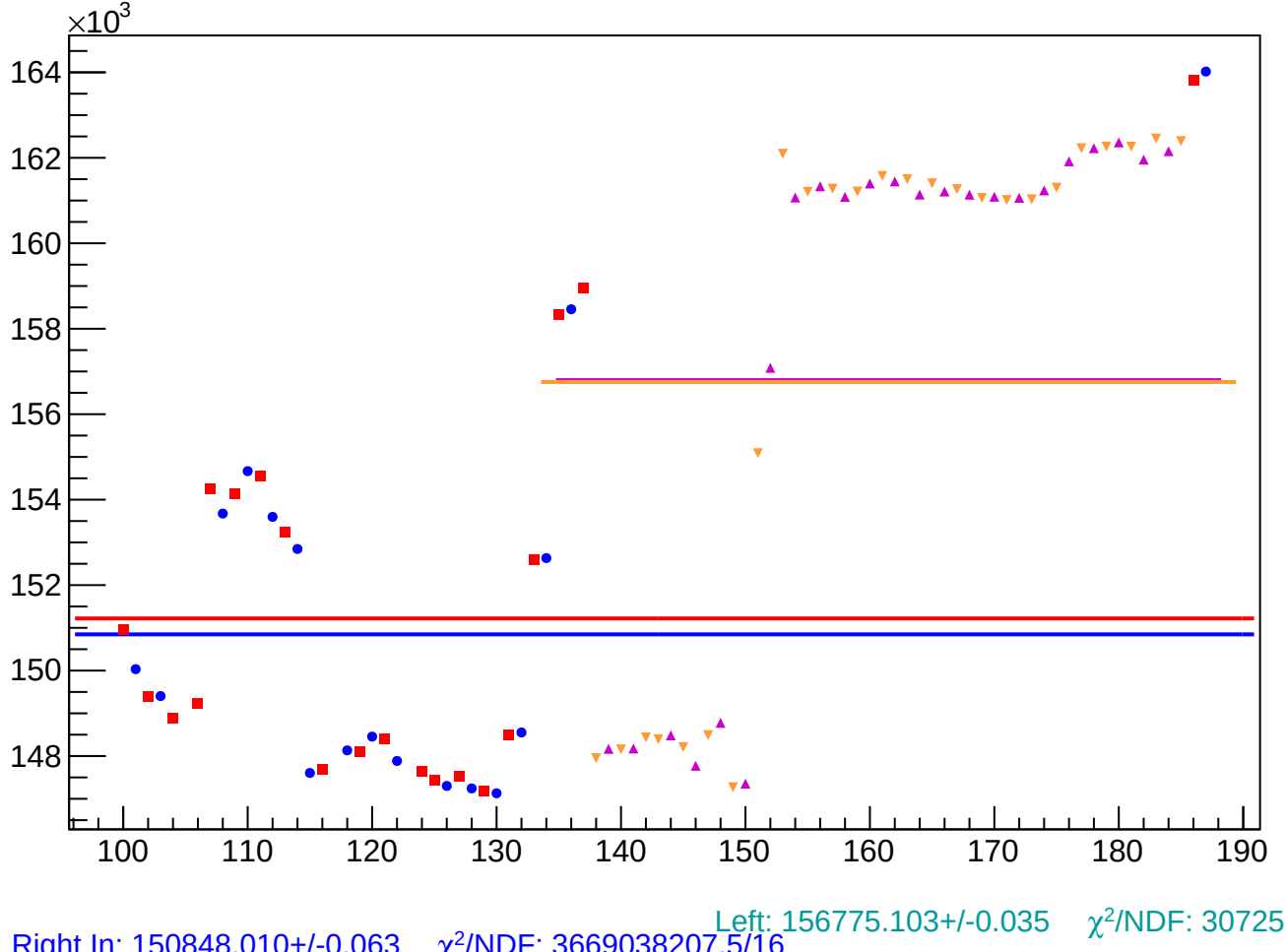
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 175.983+/-0.034 χ^2/NDF: 2192402.8/36

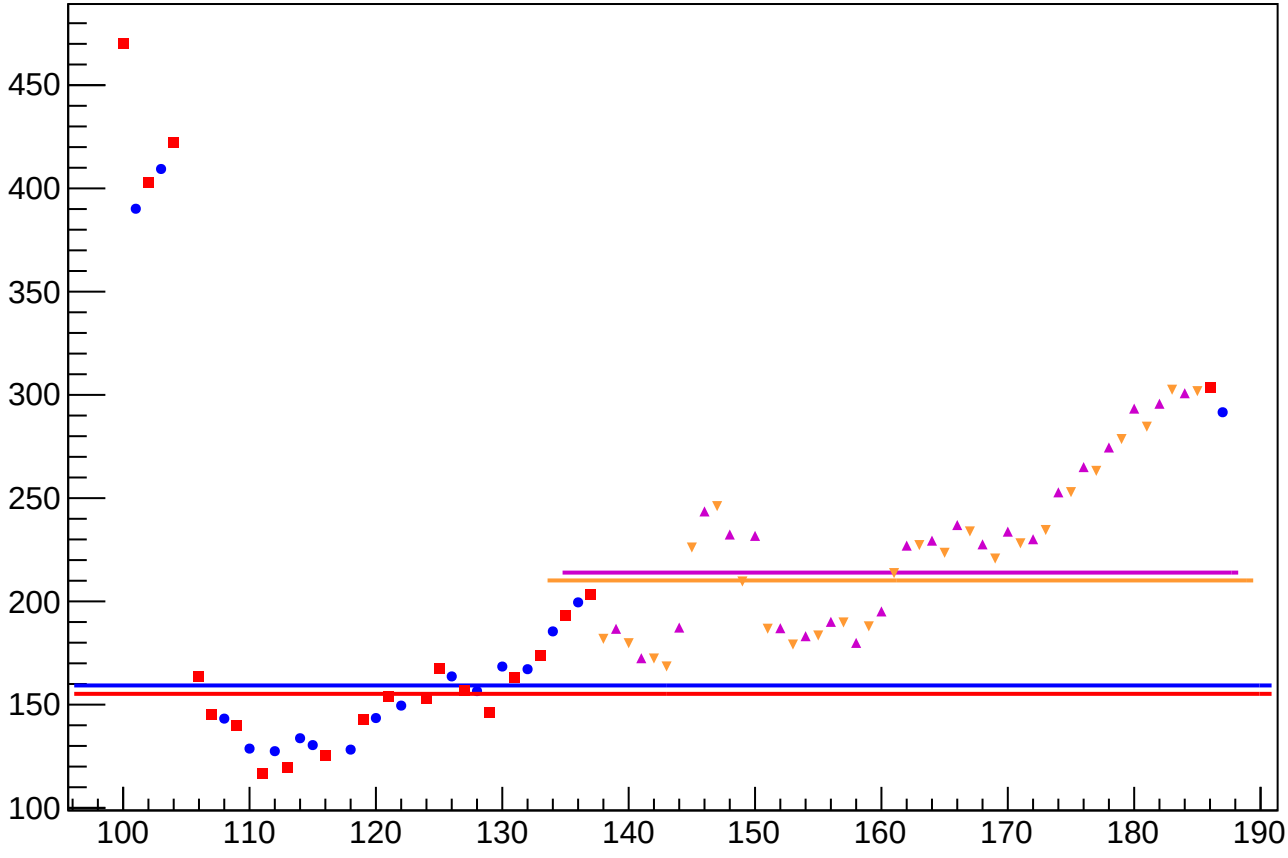
In: 204.306+/-0.030 χ^2/NDF:1827839.2/39

Out: 198.486+/-0.028 χ^2/NDF:2422600.1/44

All: 201.237+/-0.020 χ^2/NDF: 4270937.6/84


yield_bpm0i01WS_mean vs Slug, Sign Corrected
×10^3
164
162
160
158
156
154
152
150
148
100
110
120
130
140
150
160
170
180
190
Right In: 150848.010+/-0.063 χ²/NDF: 3669038207.5/16
Left Out: 156754.233+/-0.049 χ²/NDF:16380807583.4/24
Right Out: 151220.843+/-0.060 χ²/NDF: 4003720548.8/19
Left In: 156798.005+/-0.051 χ²/NDF:14344098884.4/22
Left: 156775.103+/-0.035 χ²/NDF: 30725292627.5
Right: 151043.719+/-0.043 χ²/NDF: 7691362919.5/
In: 154428.241+/-0.040 χ²/NDF:23444525288.5/3
Out: 154541.243+/-0.038 χ²/NDF:25560578759.2
All: 154487.442+/-0.027 χ²/NDF: 49009386

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 159.290+/-0.044 χ^2/NDF: 1273442.3/16

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 155.223+/-0.042 χ^2/NDF: 1463074.8/19

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

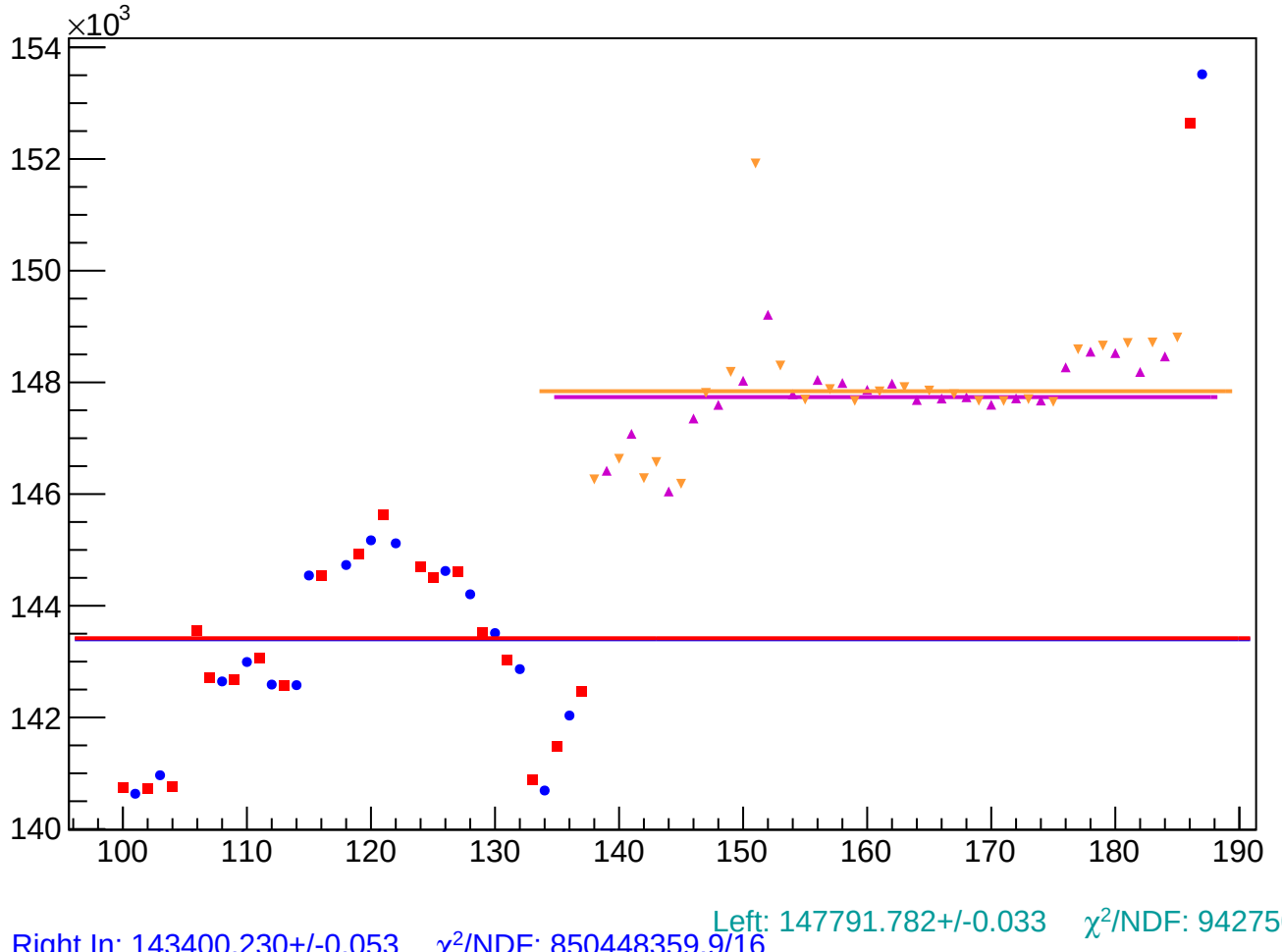
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 157.155+/-0.031 χ^2/NDF: 2740945.3/36

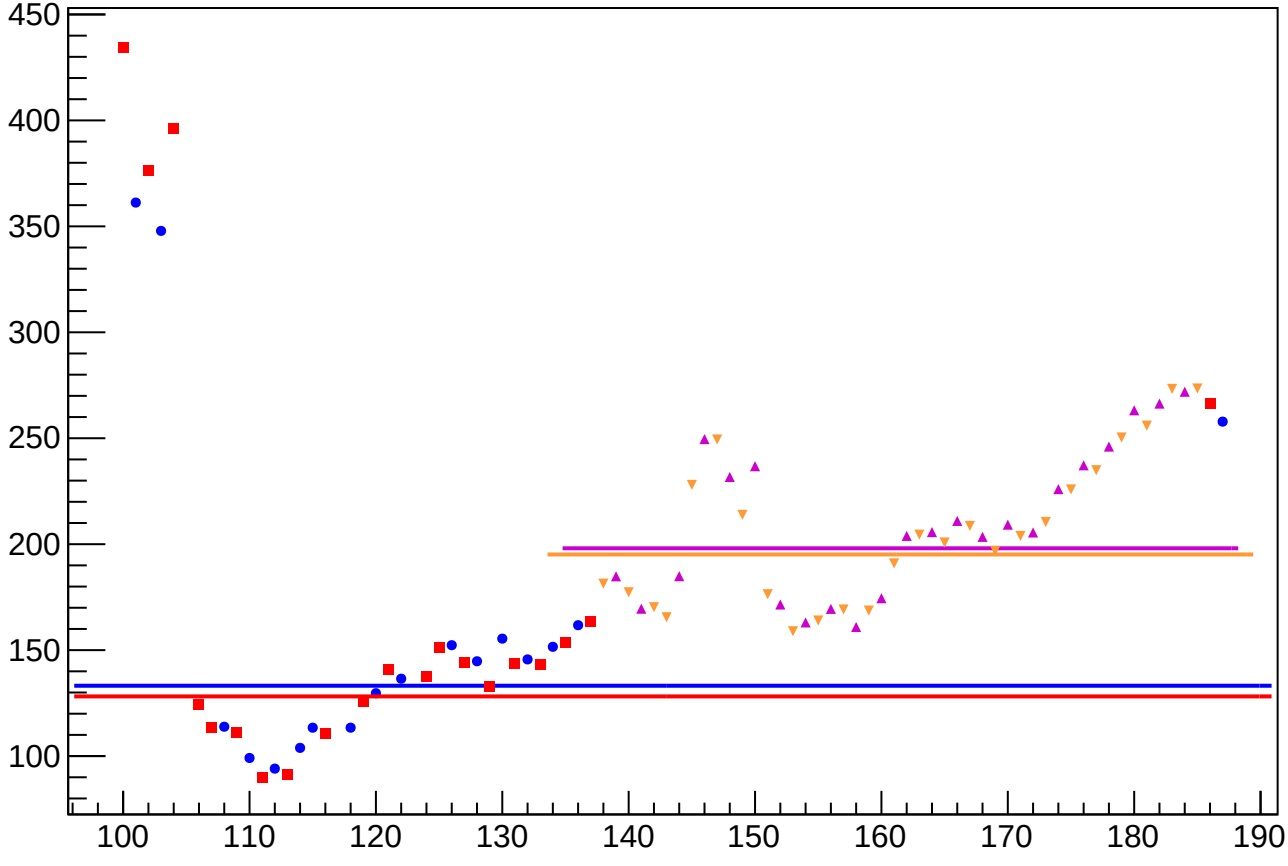
In: 192.177+/-0.028 χ^2/NDF:3104484.9/39

Out: 188.178+/-0.027 χ^2/NDF:3480633.3/44

All: 190.082+/-0.019 χ^2/NDF: 6595845.8/84


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
154
152
150
148
146
144
142
140
100
110
120
130
140
150
160
170
180
190
Right In: 143400.230+/-0.053 χ²/NDF: 850448359.9/16
Left Out: 147842.157+/-0.045 χ²/NDF:713066054.2/24
Right Out: 143418.687+/-0.049 χ²/NDF: 1119371127.6/19
Left In: 147736.722+/-0.047 χ²/NDF:227077133.0/22
Left: 147791.782+/-0.033 χ²/NDF: 942750848.6/47
Right: 143410.100+/-0.036 χ²/NDF: 1969884550.5/
In: 145815.933+/-0.035 χ²/NDF:4818987275.5/39
Out: 145827.826+/-0.033 χ²/NDF:6207156857.1/4
All: 145822.211+/-0.024 χ²/NDF: 11026204

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 133.197+/-0.037 χ^2/NDF: 1467562.4/16

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 128.162+/-0.035 χ^2/NDF: 1768465.5/19

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

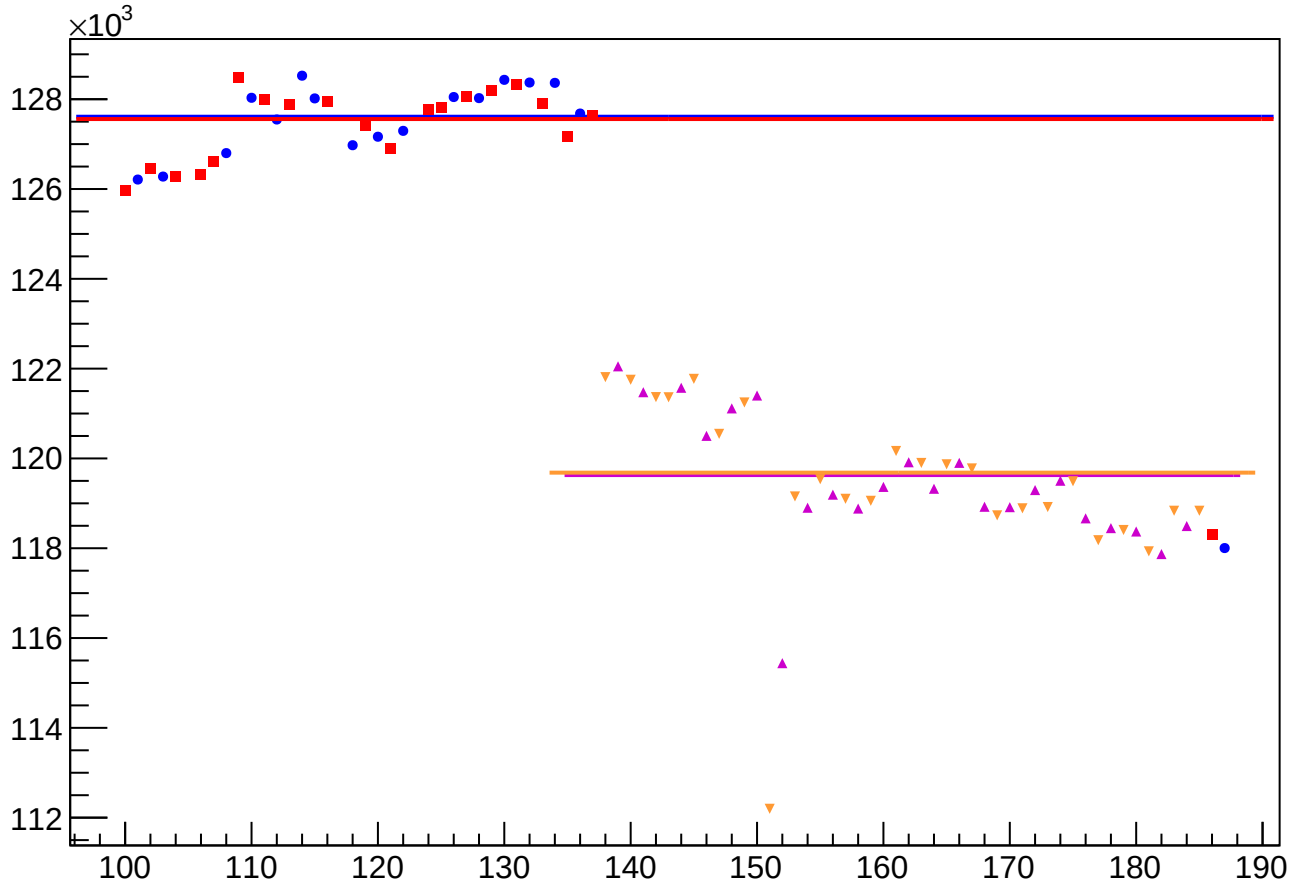
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 130.505+/-0.026 χ^2/NDF: 3245709.8/36

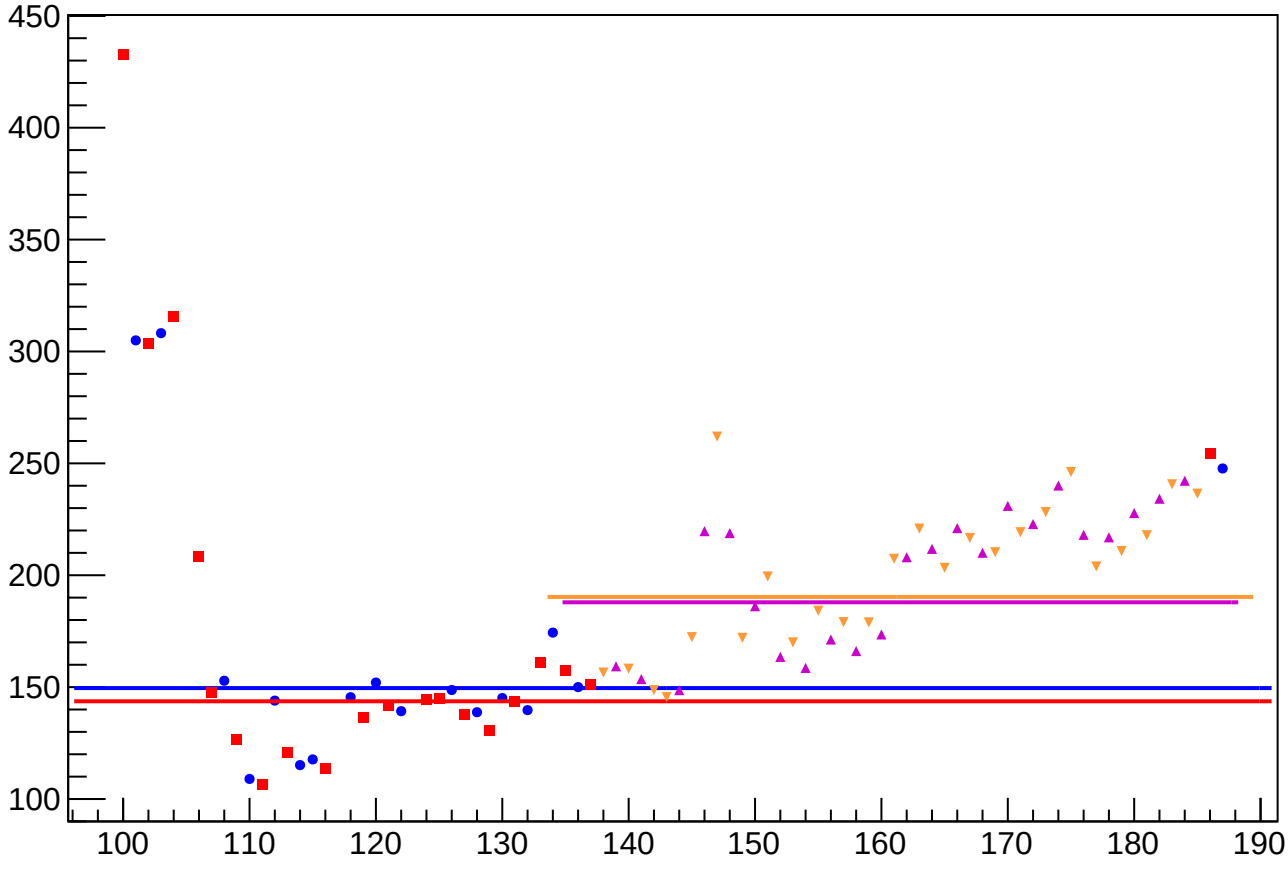
In: 169.328+/-0.025 χ^2/NDF:4041881.9/39

Out: 164.643+/-0.024 χ^2/NDF:4678704.0/44

All: 166.855+/-0.017 χ^2/NDF: 8739269.3/84


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
110
120
130
140
150
160
170
180
190
Right In: 127609.711+/-0.058 χ²/NDF: 375998429.2/16
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 127558.313+/-0.054 χ²/NDF: 660511636.5/19
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
Left: 119656.996+/-0.032 χ²/NDF: 3303938698.8/4
Right: 127582.310+/-0.040 χ²/NDF: 1036926868.6/
In: 122618.868+/-0.036 χ²/NDF:13480482390.7/3
Out: 122820.562+/-0.034 χ²/NDF:15254669840.1
All: 122723.299+/-0.025 χ²/NDF: 28751794

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 149.569+/-0.041 χ^2/NDF: 884394.0/16

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 143.674+/-0.038 χ^2/NDF: 1159333.8/19

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

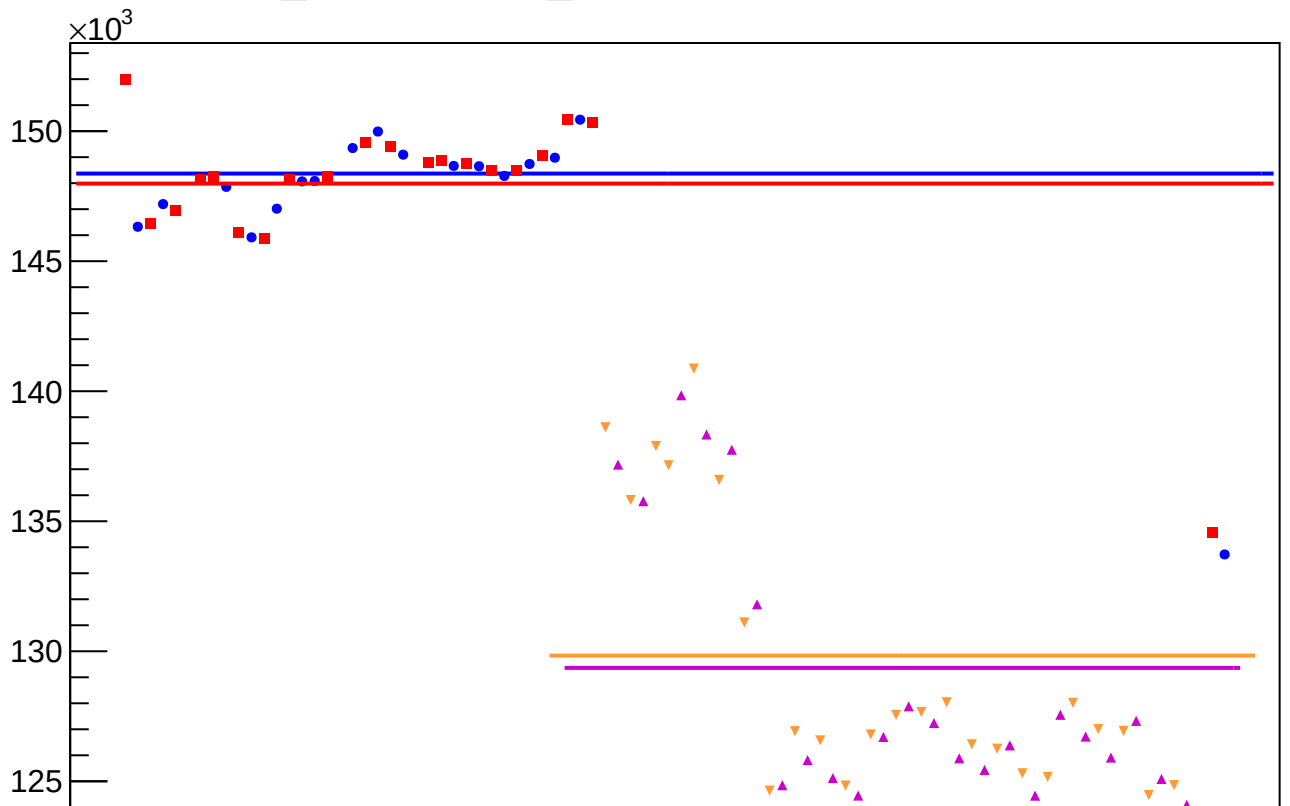
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 146.426+/-0.028 χ^2/NDF: 2054693.9/36

In: 173.547+/-0.025 χ^2/NDF:2354593.5/39

Out: 171.724+/-0.024 χ^2/NDF:2967806.1/44

All: 172.603+/-0.017 χ^2/NDF: 5325118.0/84



Right In: 148368.931+/-0.081 χ^2/NDF: 559244247.1/16

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 147983.867+/-0.076 χ^2/NDF: 991438499.2/19

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

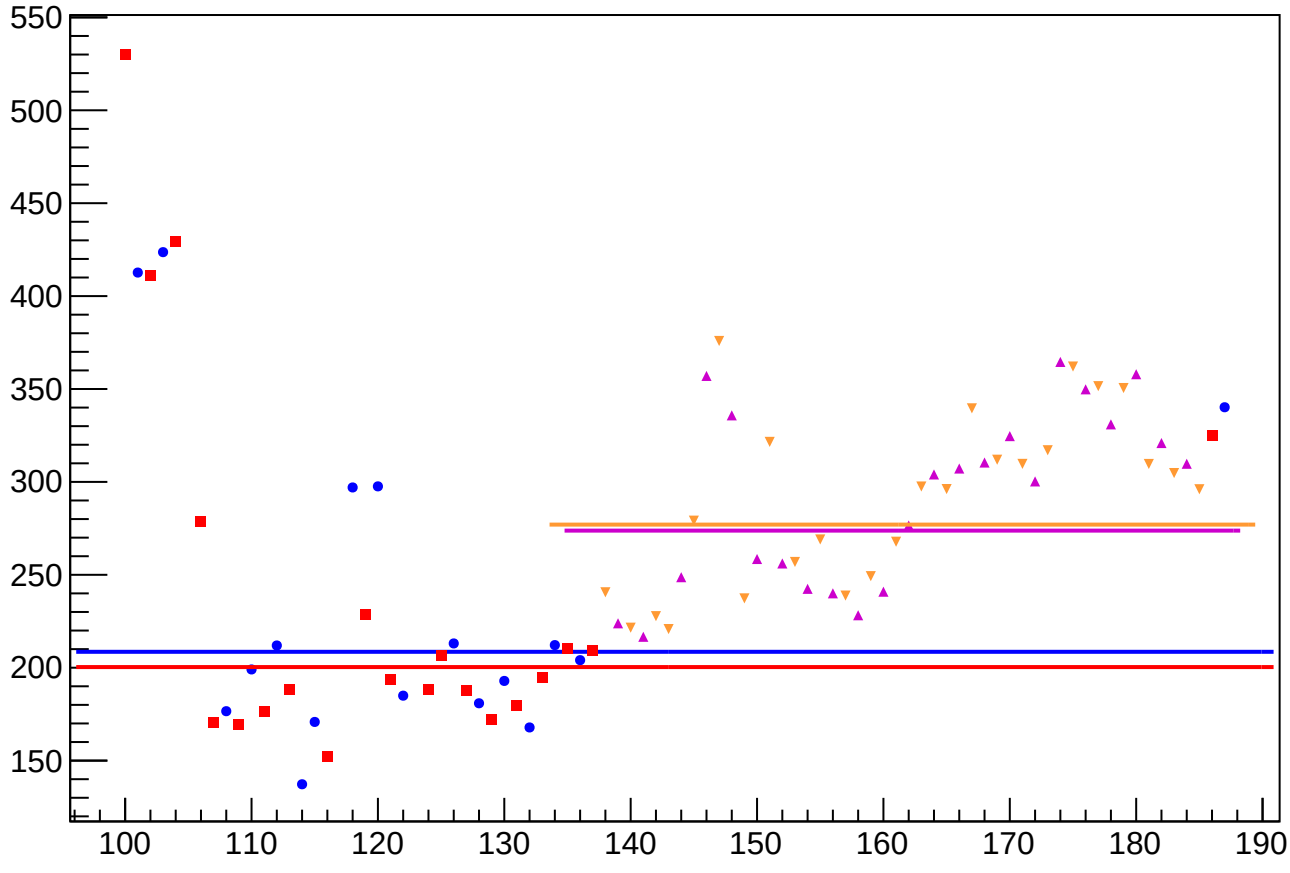
Right: 148162.384+/-0.055 χ^2/NDF: 1562656786.7/

In: 136799.681+/-0.051 χ^2/NDF:40293858538.7/3

Out: 137419.134+/-0.049 χ^2/NDF:41185157039.0

All: 137121.825+/-0.035 χ^2/NDF: 81555781

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 208.562+/-0.058 χ^2/NDF: 1028754.0/16

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 200.346+/-0.054 χ^2/NDF: 1024698.2/19

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

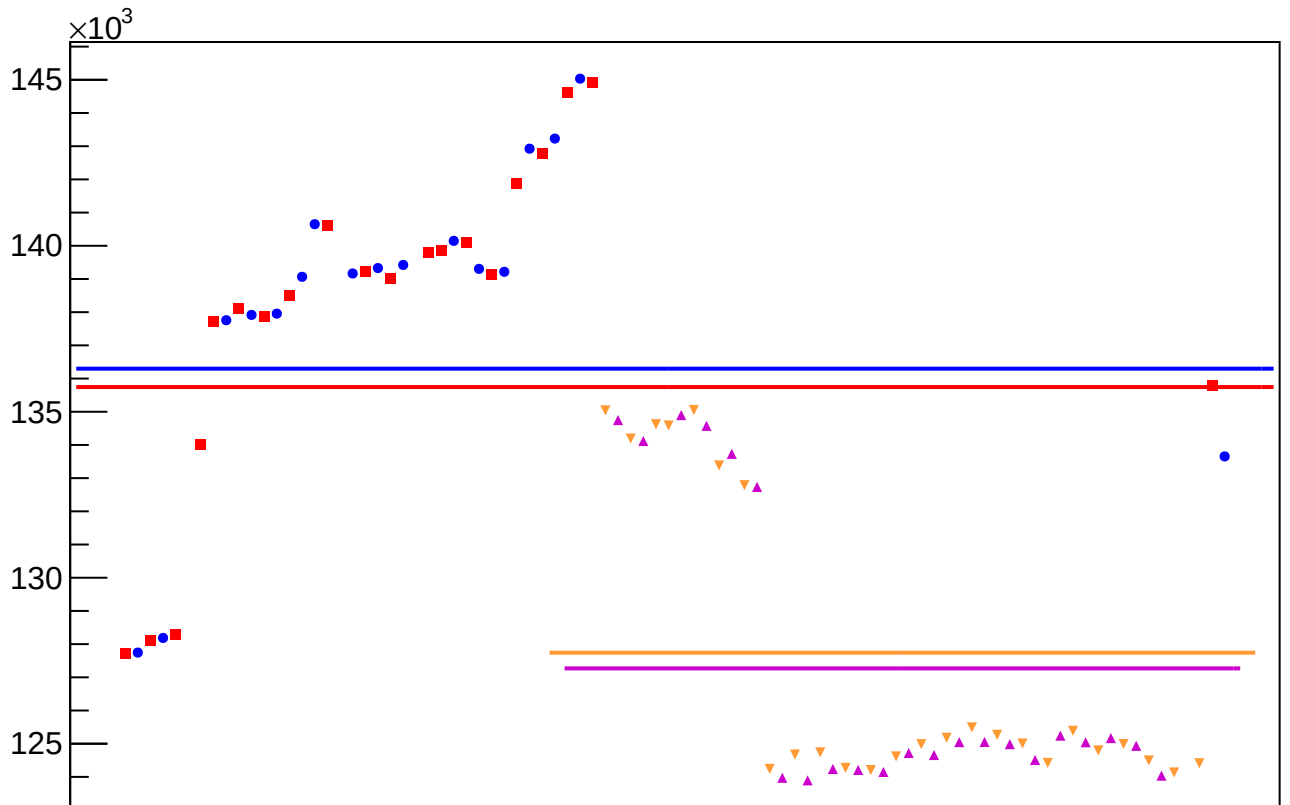
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 204.155+/-0.039 χ^2/NDF: 2064354.3/36

In: 248.259+/-0.036 χ^2/NDF:2812274.0/39

Out: 244.978+/-0.035 χ^2/NDF:3163538.3/44

All: 246.553+/-0.025 χ^2/NDF: 5980118.4/84



Right In: 136297.933+/-0.165 χ^2/NDF: 1587624540.2/16

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 135744.151+/-0.169 χ^2/NDF: 1174136214.0/19

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

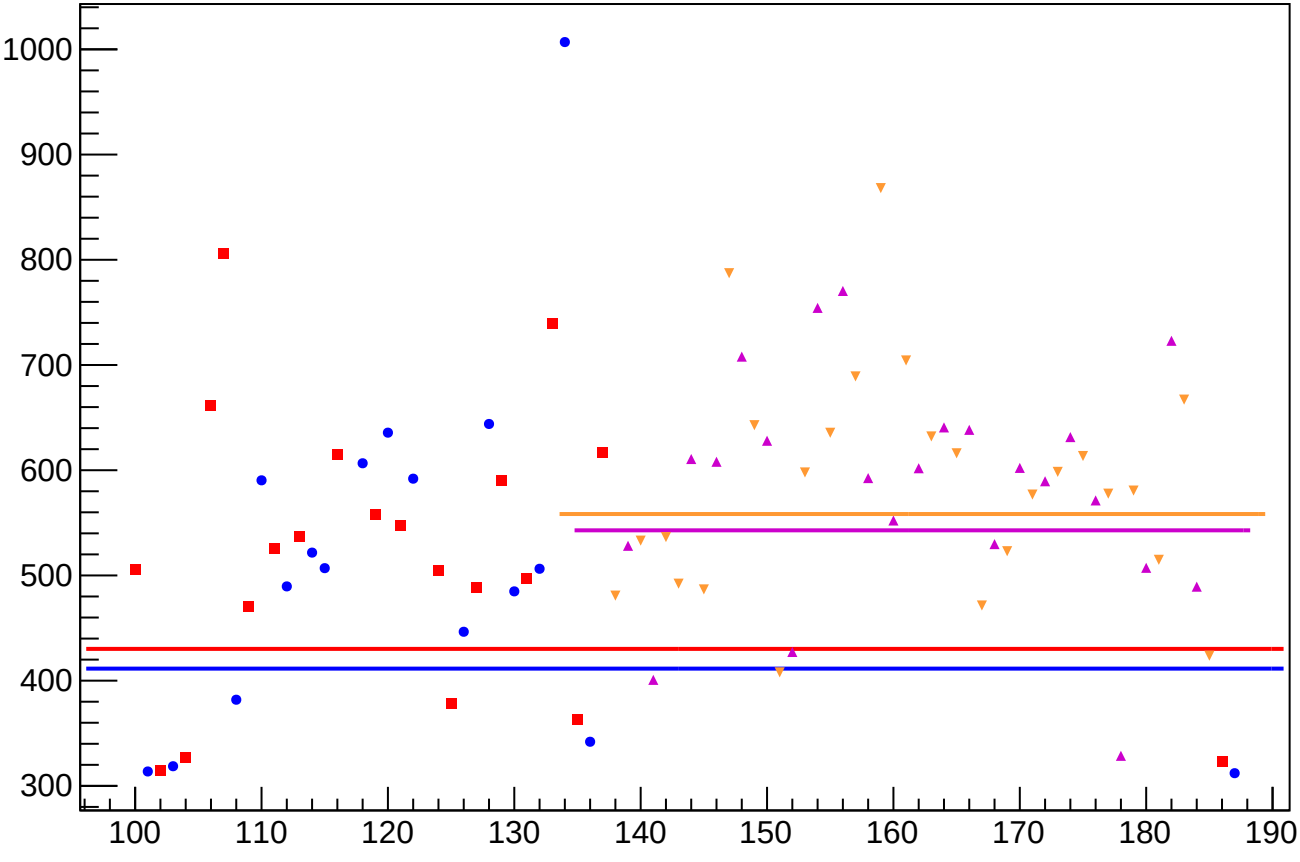
Right: 136027.243+/-0.118 χ^2/NDF: 2767253251.6/

In: 130998.562+/-0.106 χ^2/NDF:4312276437.8/39

Out: 130876.064+/-0.106 χ^2/NDF:3631611565.3/4

All: 130937.057+/-0.075 χ^2/NDF: 79445626

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 411.449+/-0.117 χ^2/NDF: 1061446.5/16

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 430.204+/-0.119 χ^2/NDF: 985892.8/19

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

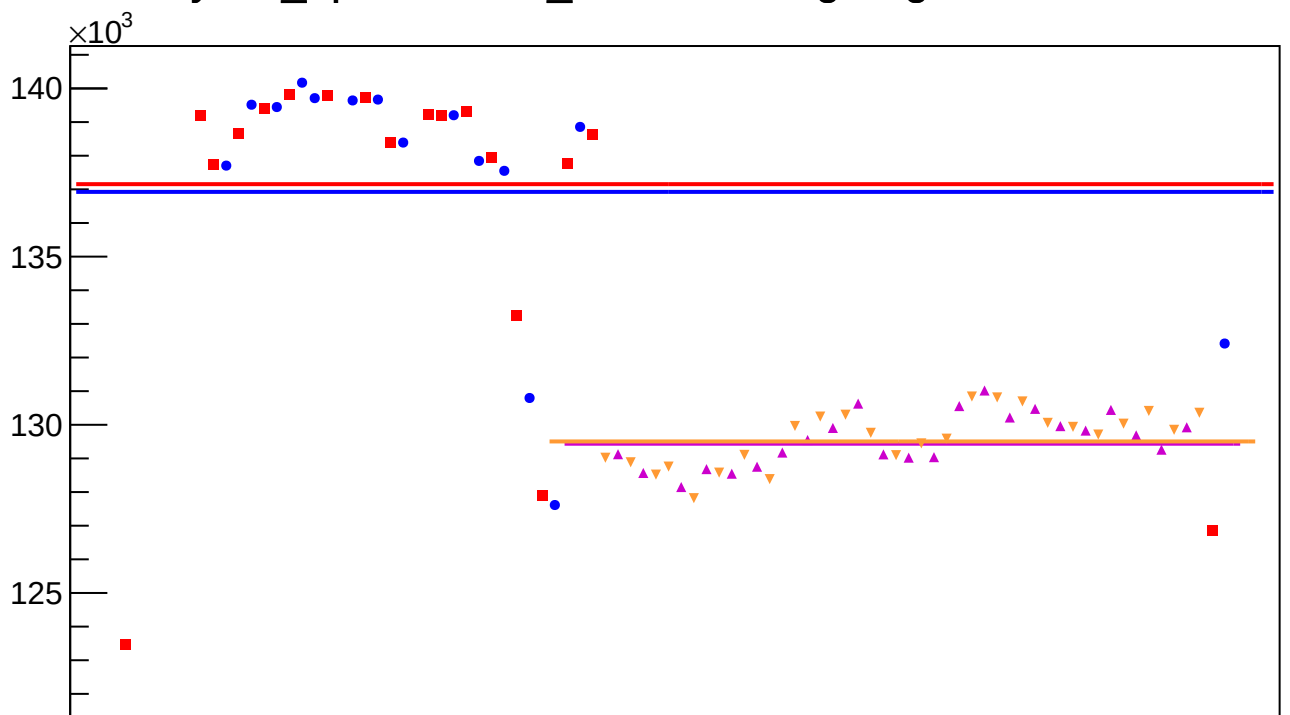
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 420.617+/-0.084 χ^2/NDF: 2059939.3/36

In: 488.581+/-0.075 χ^2/NDF:3220984.4/39

Out: 508.167+/-0.075 χ^2/NDF:2654353.0/44

All: 498.415+/-0.053 χ^2/NDF: 5909503.2/84



Right In: 136924.765+/-0.069 χ^2/NDF: 5845374405.0/16

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 137154.471+/-0.065 χ^2/NDF: 6158151280.7/19

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

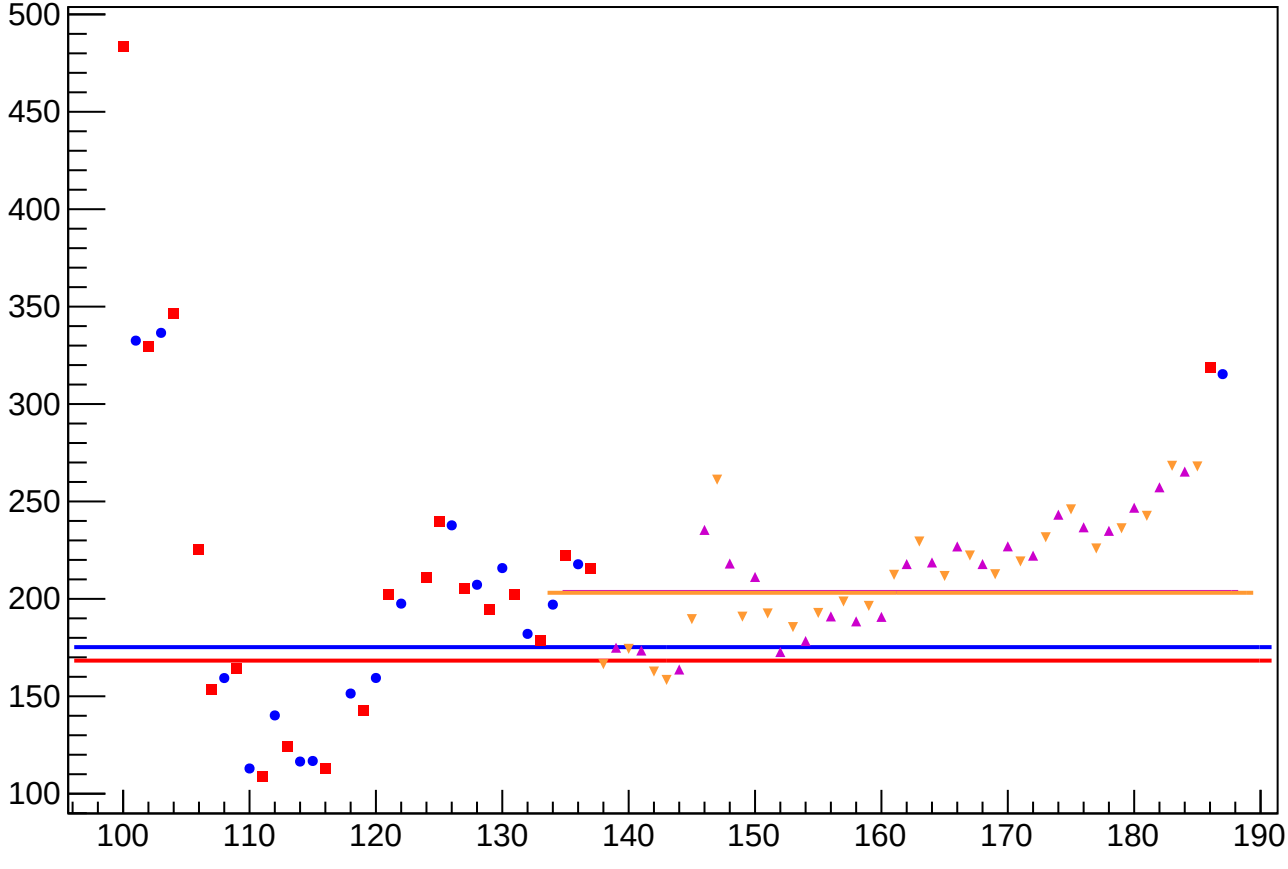
Right: 137047.013+/-0.047 χ^2/NDF: 12009352970.

In: 131888.761+/-0.040 χ^2/NDF:13938867555.4/3

Out: 132126.641+/-0.038 χ^2/NDF:15537328797.5

All: 132012.644+/-0.027 χ^2/NDF: 29494875

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 175.231+/-0.049 χ^2/NDF: 1261139.5/16

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 168.309+/-0.046 χ^2/NDF: 1612819.8/19

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

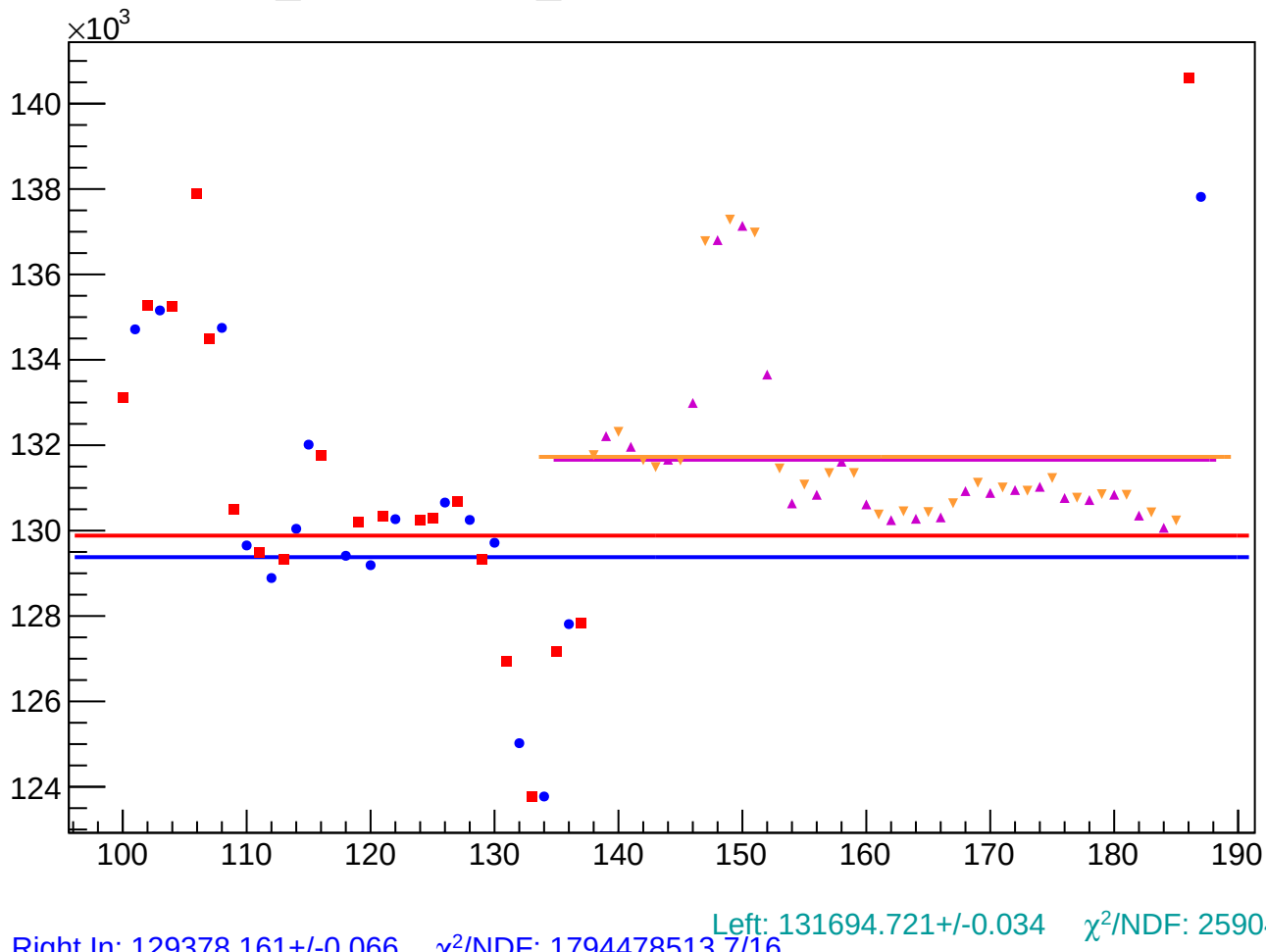
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 171.547+/-0.034 χ^2/NDF: 2884541.6/36

In: 194.276+/-0.028 χ^2/NDF:2151000.9/39

Out: 191.195+/-0.027 χ^2/NDF:2747523.5/44

All: 192.672+/-0.019 χ^2/NDF: 4904791.7/84



Right In: 129378.161+/-0.066 χ^2/NDF: 1794478513.7/16

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 129882.909+/-0.061 χ^2/NDF: 2296477847.8/19

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

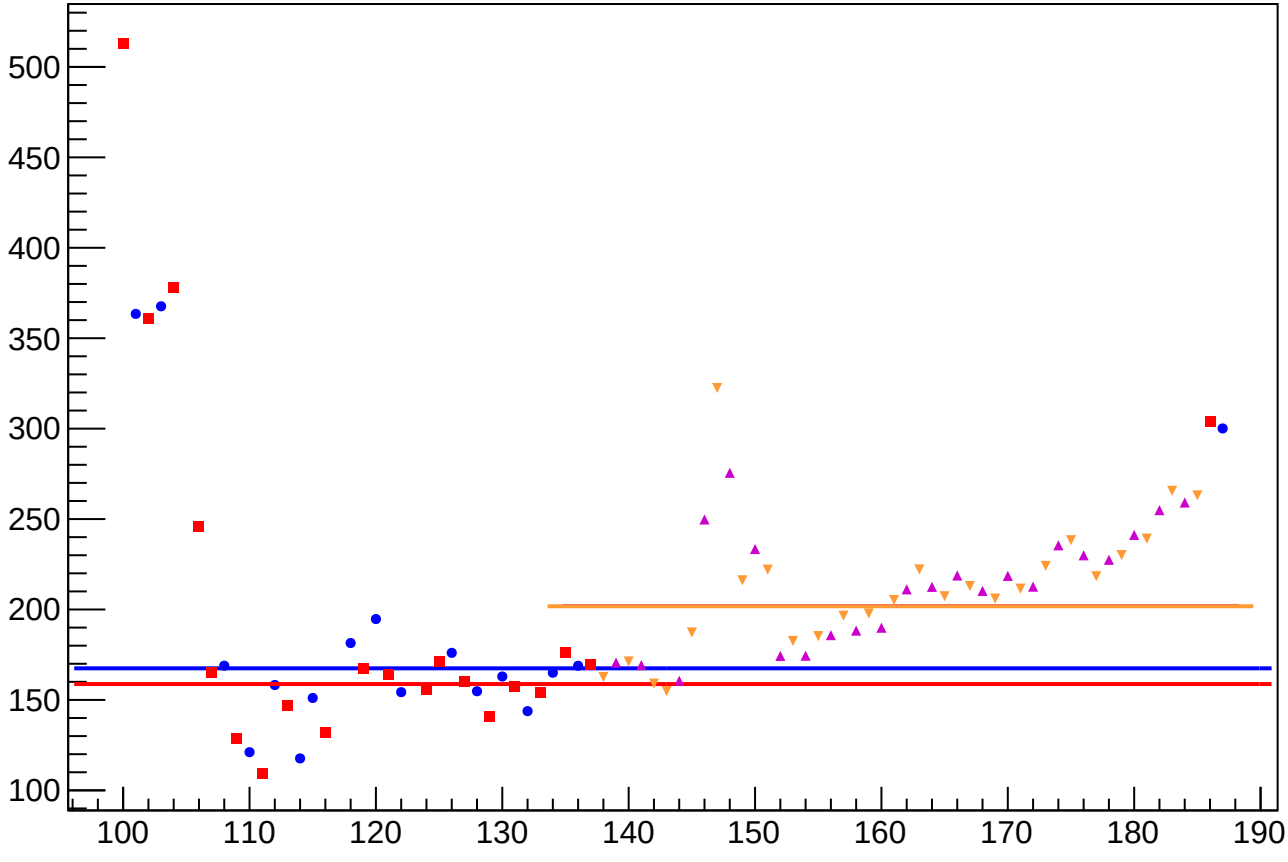
Right: 129649.912+/-0.045 χ^2/NDF: 4122529884.2/

In: 130865.746+/-0.039 χ^2/NDF:3740373074.7/3

Out: 131043.385+/-0.037 χ^2/NDF:4296084753.7/4

All: 130958.613+/-0.027 χ^2/NDF: 80473628

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 167.470+/-0.047 χ^2/NDF: 1009229.0/16

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 158.777+/-0.043 χ^2/NDF: 1363210.0/19

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

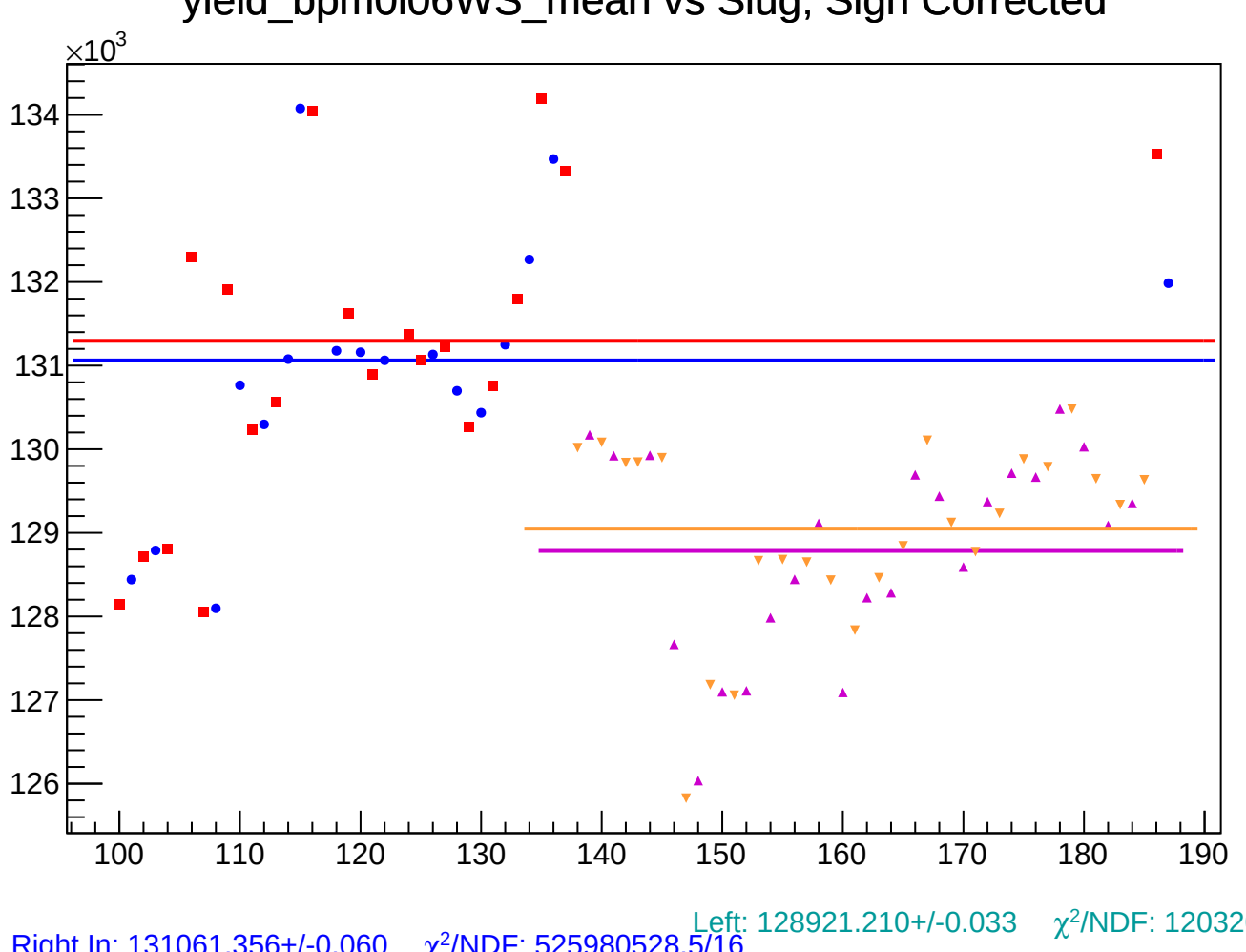
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 162.790+/-0.032 χ^2/NDF: 2391168.4/36

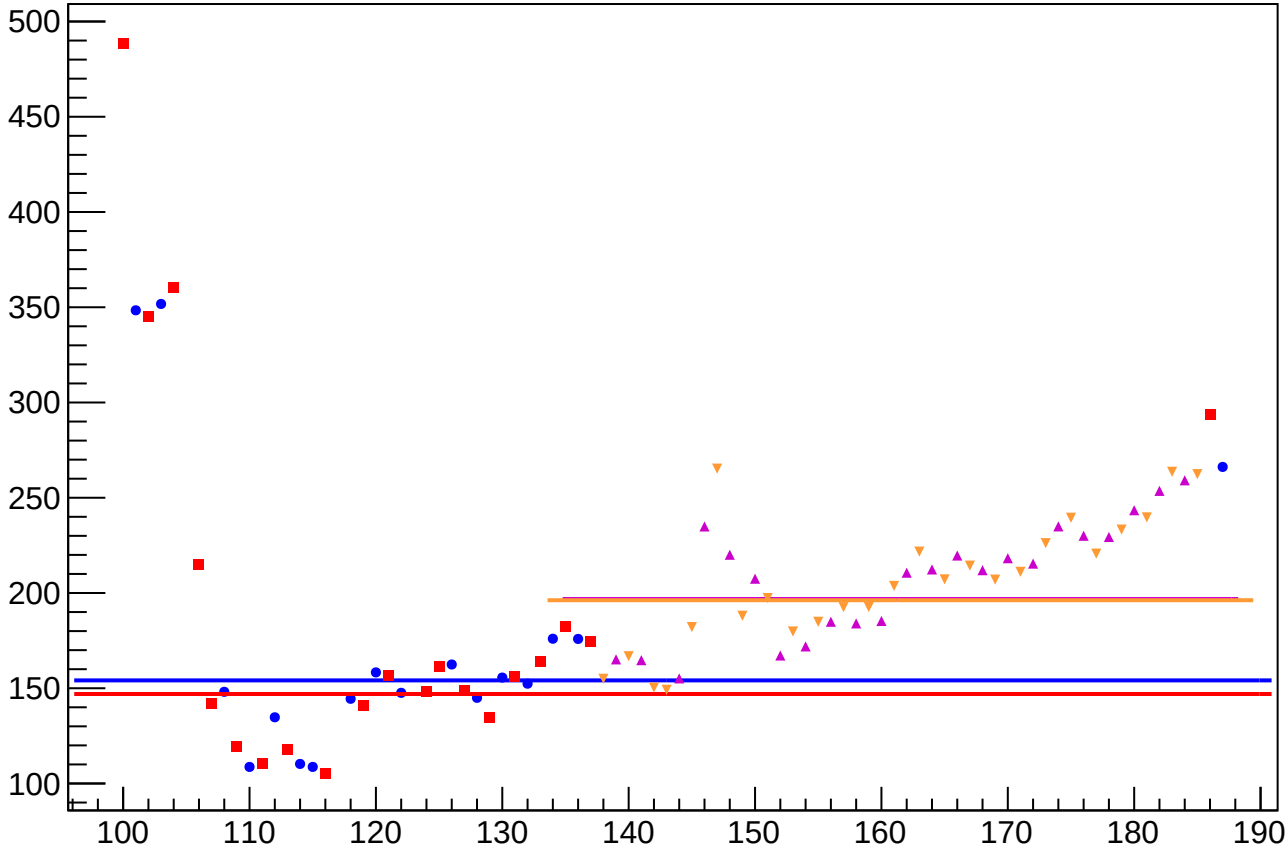
In: 189.941+/-0.028 χ^2/NDF:2168604.0/39

Out: 185.849+/-0.026 χ^2/NDF:2893910.3/44

All: 187.802+/-0.019 χ^2/NDF: 5074092.1/84


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
170
180
190
Right In: 131061.356+/-0.060 χ²/NDF: 525980528.5/16
Left Out: 129050.458+/-0.045 χ²/NDF:530879250.1/24
Right Out: 131296.359+/-0.056 χ²/NDF: 628370693.7/19
Left In: 128783.852+/-0.047 χ²/NDF:655675405.6/22
Left: 128921.210+/-0.033 χ²/NDF: 1203205446.5/4
Right: 131187.139+/-0.041 χ²/NDF: 1162467383.4/
In: 129641.348+/-0.037 χ²/NDF:2069636988.1/3
Out: 129938.809+/-0.035 χ²/NDF:2123341661.3/4
All: 129796.905+/-0.026 χ²/NDF: 42267229

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 154.126+/-0.043 χ^2/NDF: 1126112.4/16

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 146.975+/-0.040 χ^2/NDF: 1471828.8/19

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

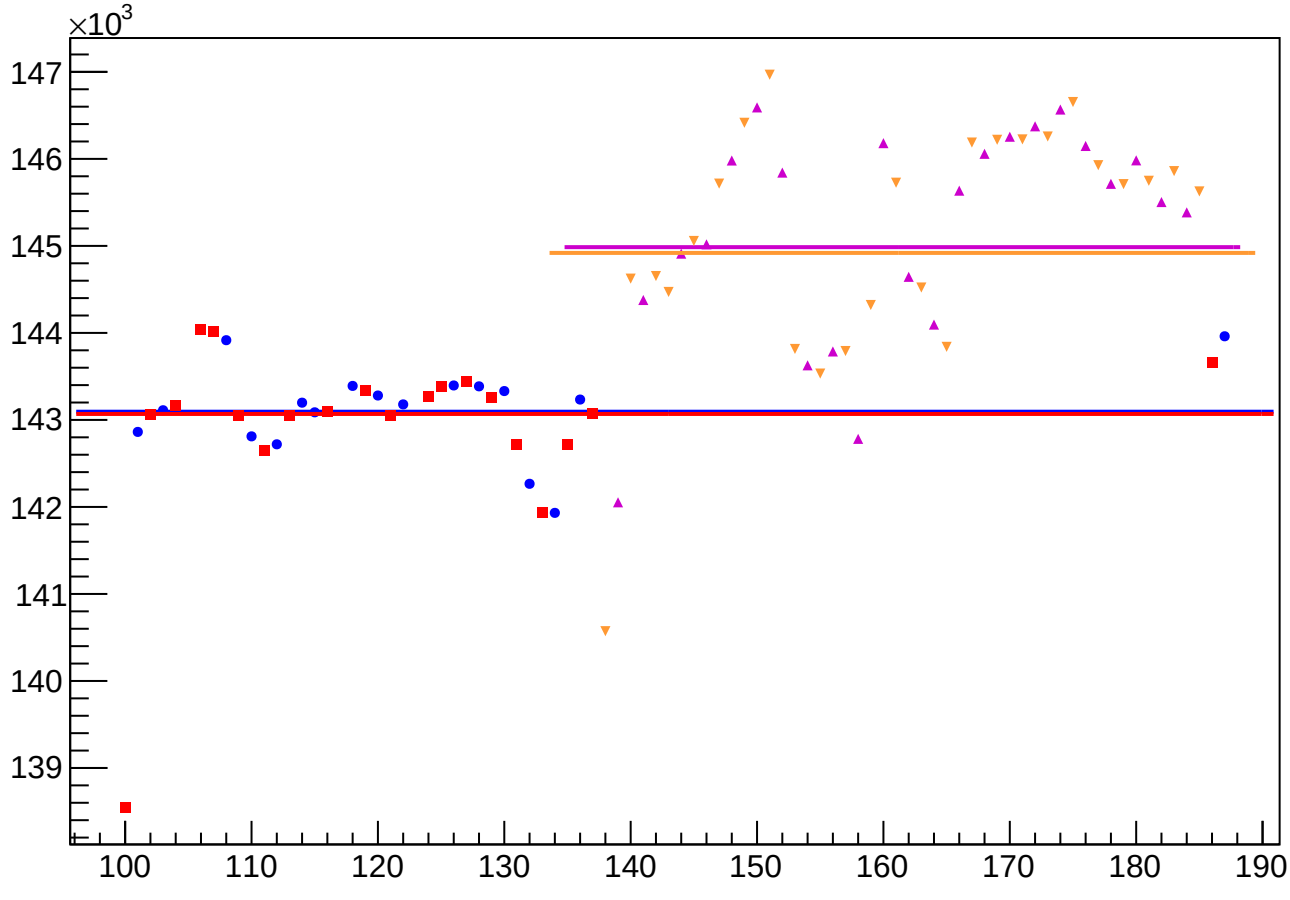
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 150.298+/-0.029 χ^2/NDF: 2612969.8/36

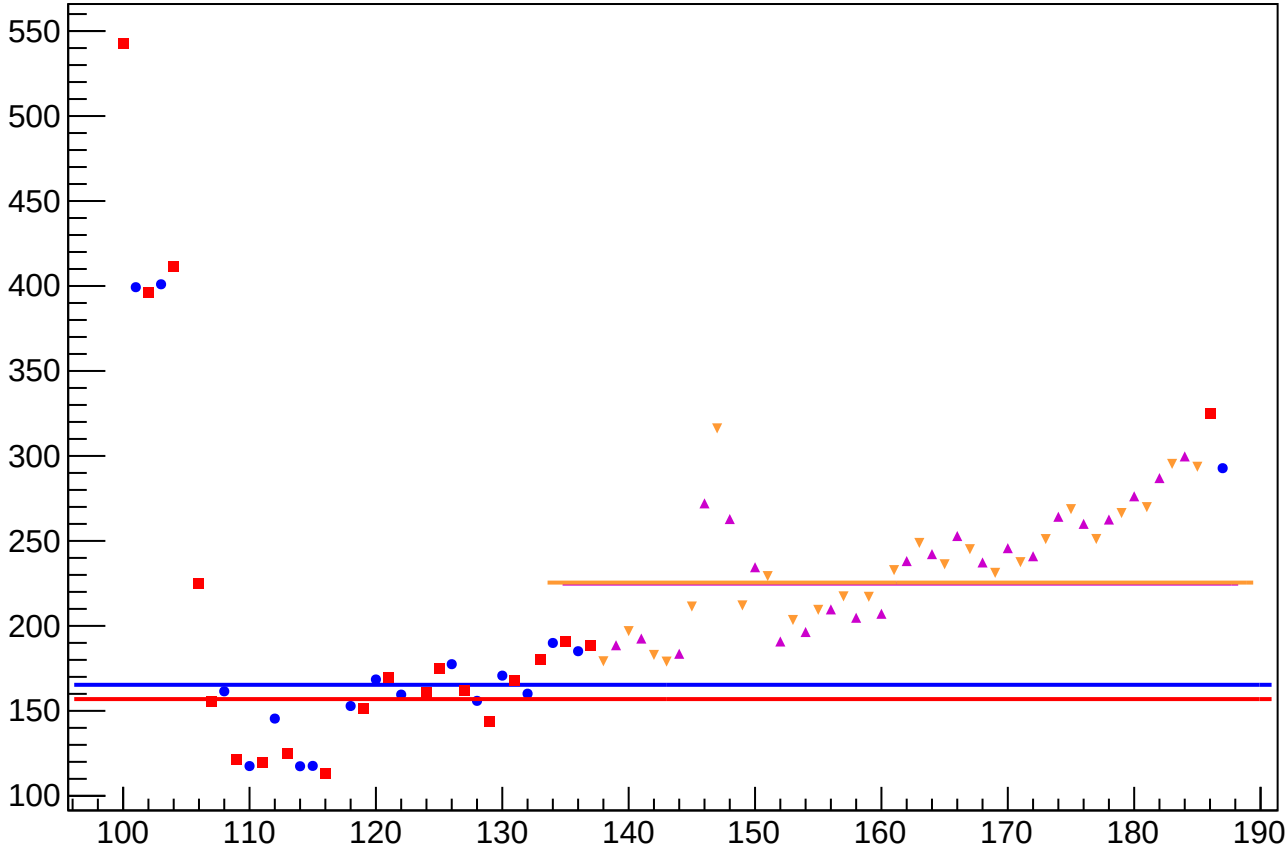
In: 180.758+/-0.026 χ^2/NDF:2523854.0/39

Out: 176.731+/-0.025 χ^2/NDF:3321036.4/44

All: 178.652+/-0.018 χ^2/NDF: 5857256.8/84


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
170
180
190
Right In: 143094.387+/-0.065 χ²/NDF: 48359904.7/16
Left Out: 144919.479+/-0.052 χ²/NDF:835478710.7/24
Right Out: 143068.654+/-0.060 χ²/NDF: 53090100.6/19
Left In: 144985.586+/-0.054 χ²/NDF:618782558.7/22
Left: 144951.693+/-0.037 χ²/NDF: 1455041879.5/4
Right: 143080.584+/-0.044 χ²/NDF: 101534624.1/3
In: 144217.565+/-0.041 χ²/NDF:1173189817.8/39
Out: 144125.088+/-0.039 χ²/NDF:1427522284.5/4
All: 144169.235+/-0.029 χ²/NDF: 260333402

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 165.330+/-0.046 χ^2/NDF: 1200399.4/16

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 156.929+/-0.043 χ^2/NDF: 1586549.4/19

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

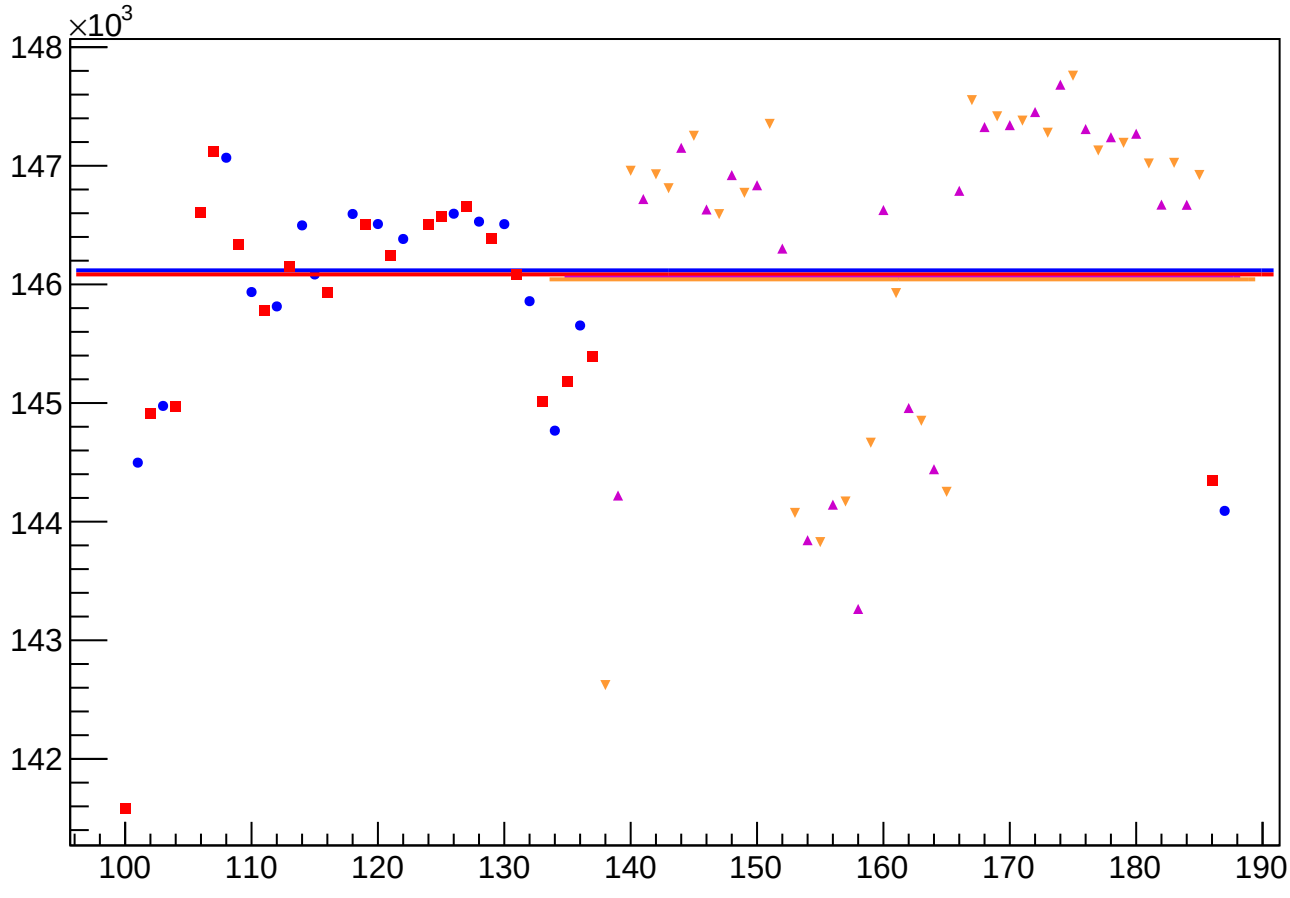
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 160.823+/-0.031 χ^2/NDF: 2804985.9/36

In: 200.690+/-0.029 χ^2/NDF:2927325.9/39

Out: 196.056+/-0.028 χ^2/NDF:3840548.8/44

All: 198.268+/-0.020 χ^2/NDF: 6781038.4/84



Right In: 146118.302+/-0.067 χ^2/NDF: 81163554.3/16

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 146084.292+/-0.062 χ^2/NDF: 86730877.3/19

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

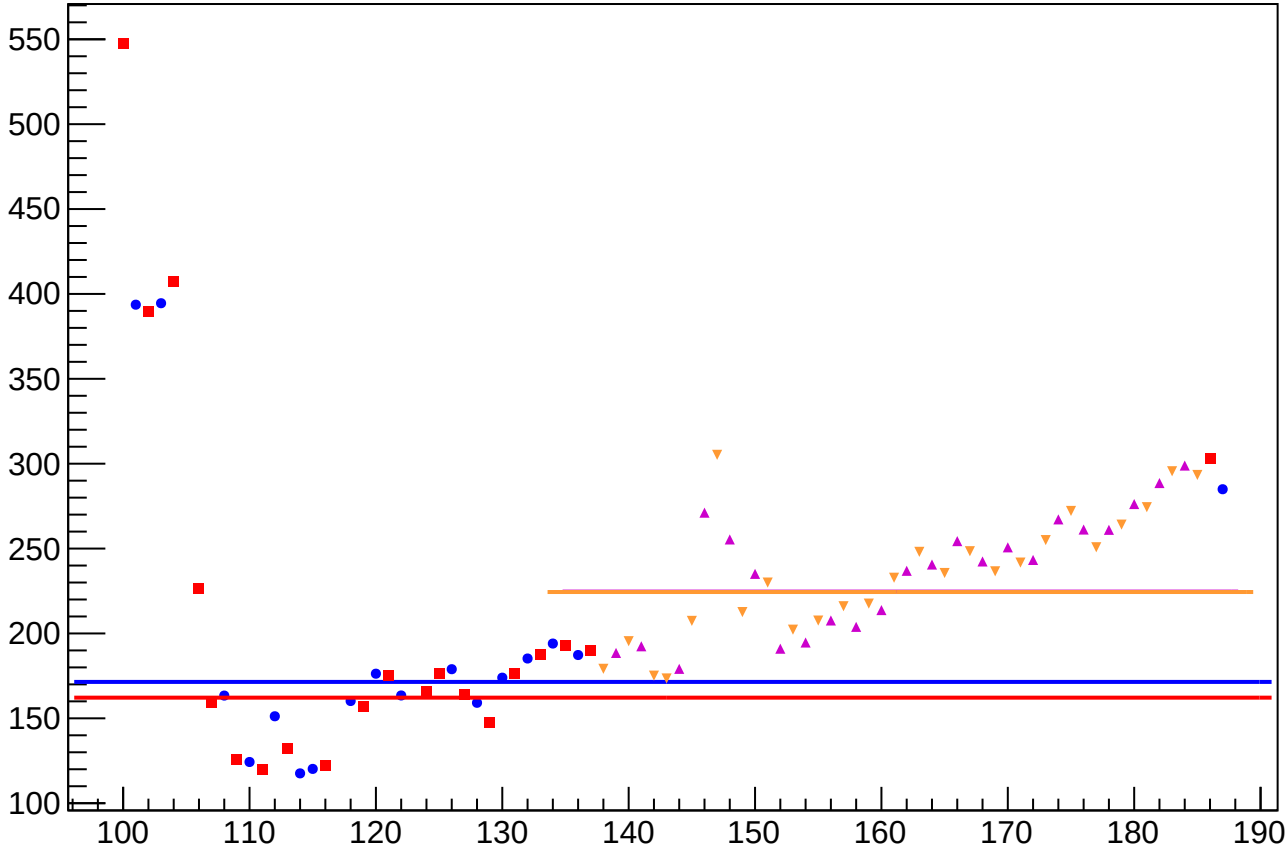
Right: 146099.954+/-0.045 χ^2/NDF: 168033252.9/3

In: 146080.691+/-0.042 χ^2/NDF:780422212.6/39

Out: 146059.860+/-0.040 χ^2/NDF:969701168.1/44

All: 146069.762+/-0.029 χ^2/NDF: 17502533

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 171.451+/-0.047 χ^2/NDF: 1116824.6/16

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 162.180+/-0.044 χ^2/NDF: 1472000.3/19

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

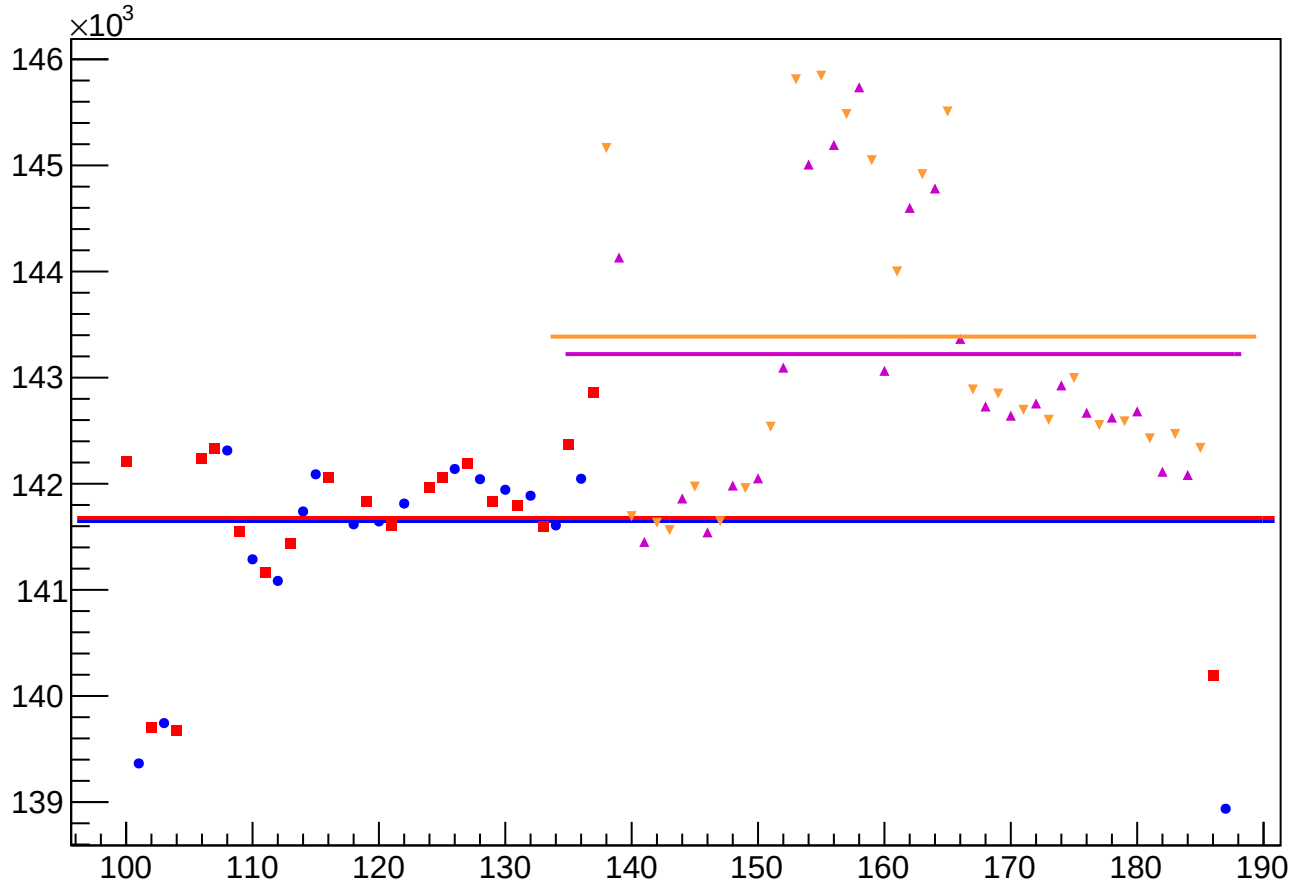
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 166.449+/-0.032 χ^2/NDF: 2609454.4/36

In: 203.928+/-0.030 χ^2/NDF:2642589.3/39

Out: 198.678+/-0.028 χ^2/NDF:3504982.4/44

All: 201.174+/-0.020 χ^2/NDF: 6164083.6/84



Right In: 141648.928+/-0.068 χ^2/NDF: 83677151.0/16

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 141677.419+/-0.063 χ^2/NDF: 75442182.5/19

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

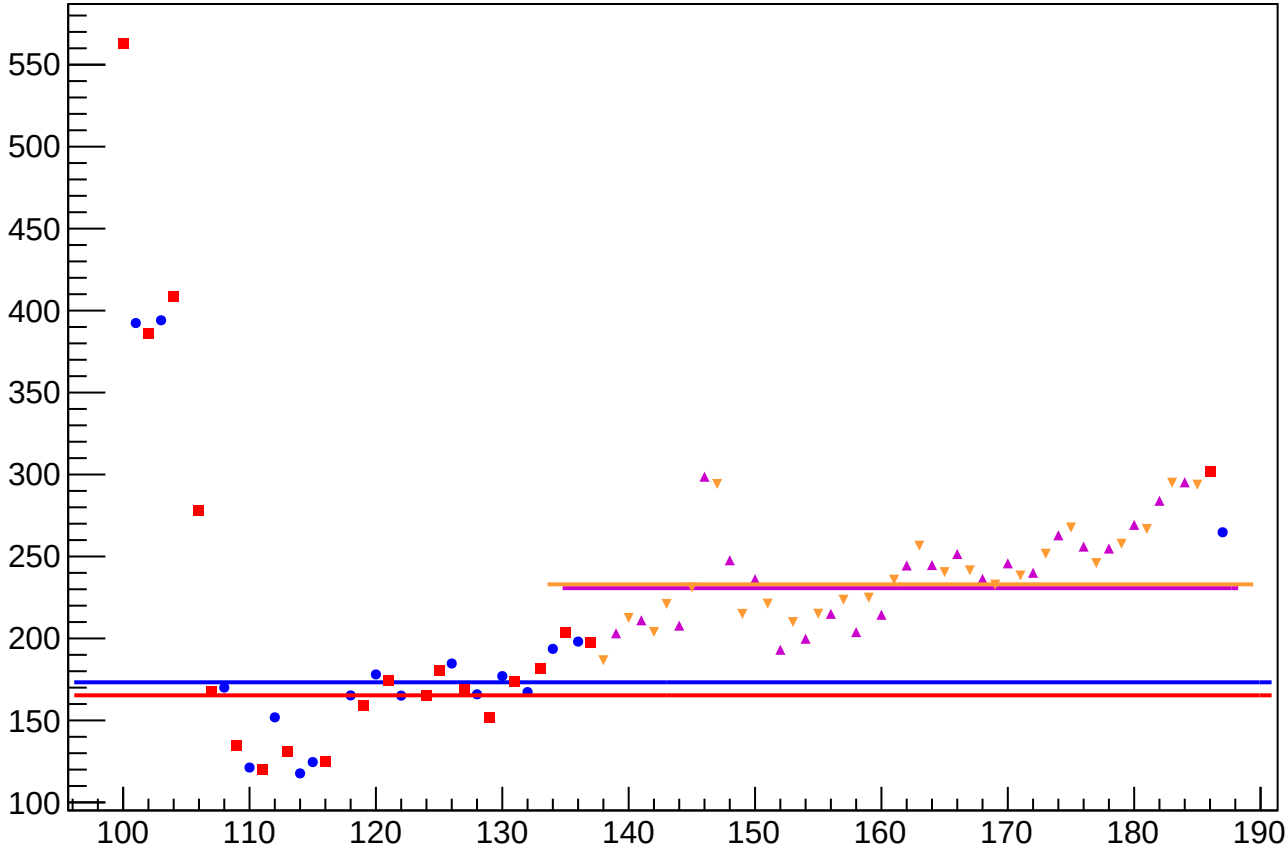
Right: 141664.179+/-0.046 χ^2/NDF: 159213696.6/3

In: 142600.540+/-0.043 χ^2/NDF:948952489.8/39

Out: 142670.754+/-0.041 χ^2/NDF:1284248417.2/4

All: 142637.096+/-0.030 χ^2/NDF: 22346120

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 173.250+/-0.048 χ^2/NDF: 1112750.2/16

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 165.308+/-0.045 χ^2/NDF: 1473864.1/19

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

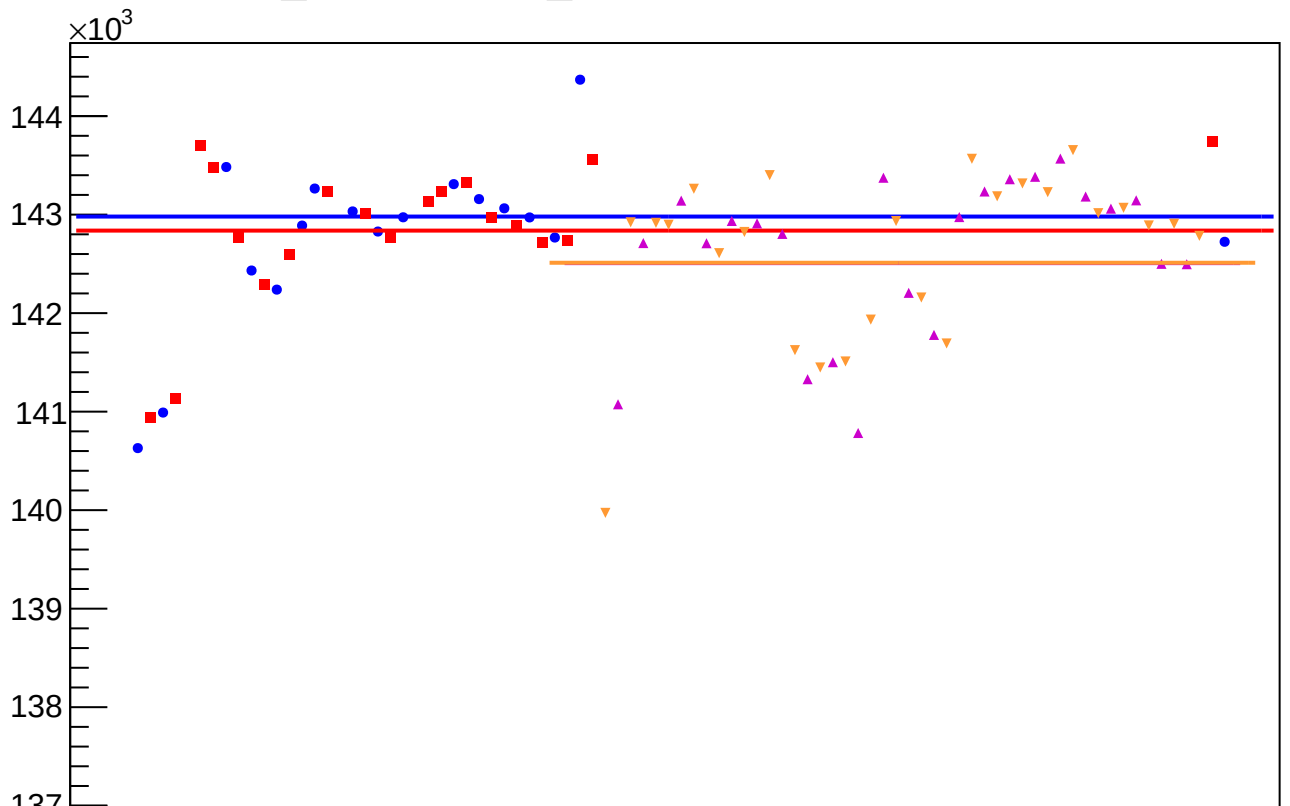
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 168.999+/-0.033 χ^2/NDF: 2601277.8/36

In: 208.004+/-0.030 χ^2/NDF:2491835.0/39

Out: 204.646+/-0.029 χ^2/NDF:3252408.1/44

All: 206.255+/-0.021 χ^2/NDF: 5750698.4/84



Right In: 142980.351+/-0.069 χ^2/NDF: 107840102.4/16

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142837.790+/-0.064 χ^2/NDF: 66964075.7/19

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

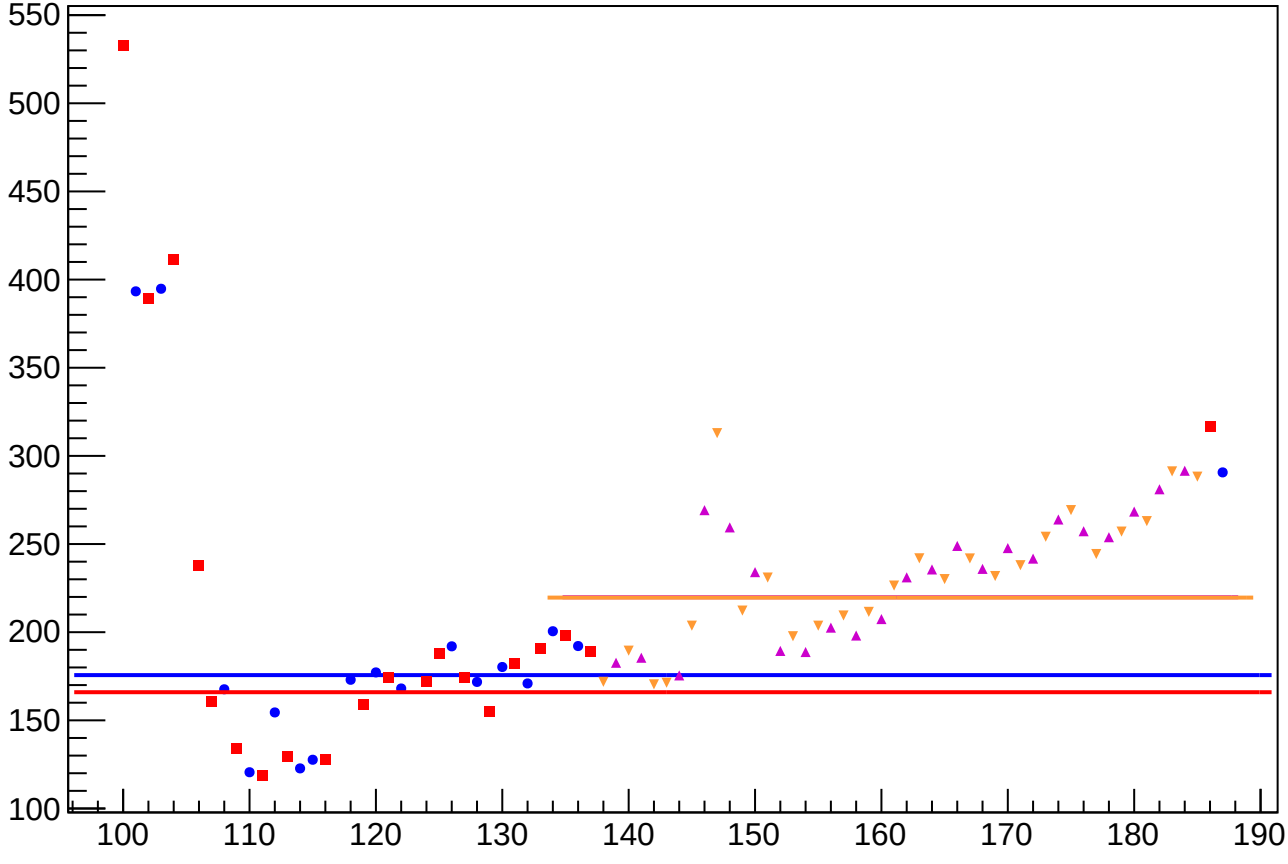
Right: 142903.422+/-0.047 χ^2/NDF: 177124141.5/3

In: 142681.280+/-0.042 χ^2/NDF:407023252.1/39

Out: 142639.050+/-0.040 χ^2/NDF:421135990.0/44

All: 142659.149+/-0.029 χ^2/NDF: 82869731

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 175.659+/-0.049 χ^2/NDF: 1107109.8/16

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 165.958+/-0.045 χ^2/NDF: 1470288.5/19

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

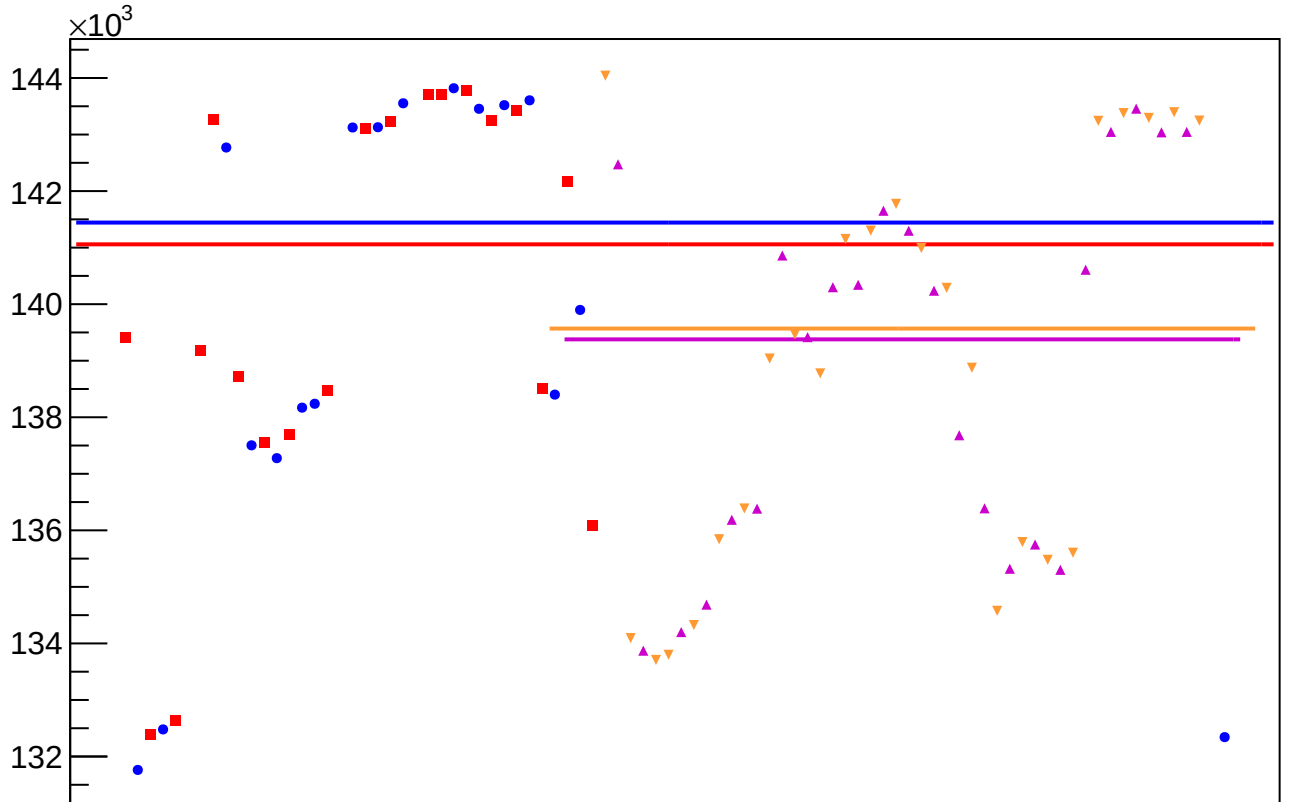
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 170.424+/-0.033 χ^2/NDF: 2598884.3/36

In: 203.590+/-0.029 χ^2/NDF:2434377.1/39

Out: 198.630+/-0.028 χ^2/NDF:3241722.5/44

All: 200.990+/-0.020 χ^2/NDF: 5690944.0/84



Right In: 141443.139+/-0.100 χ^2/NDF: 1034914503.7/16

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 141058.266+/-0.100 χ^2/NDF: 1219650420.8/19

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

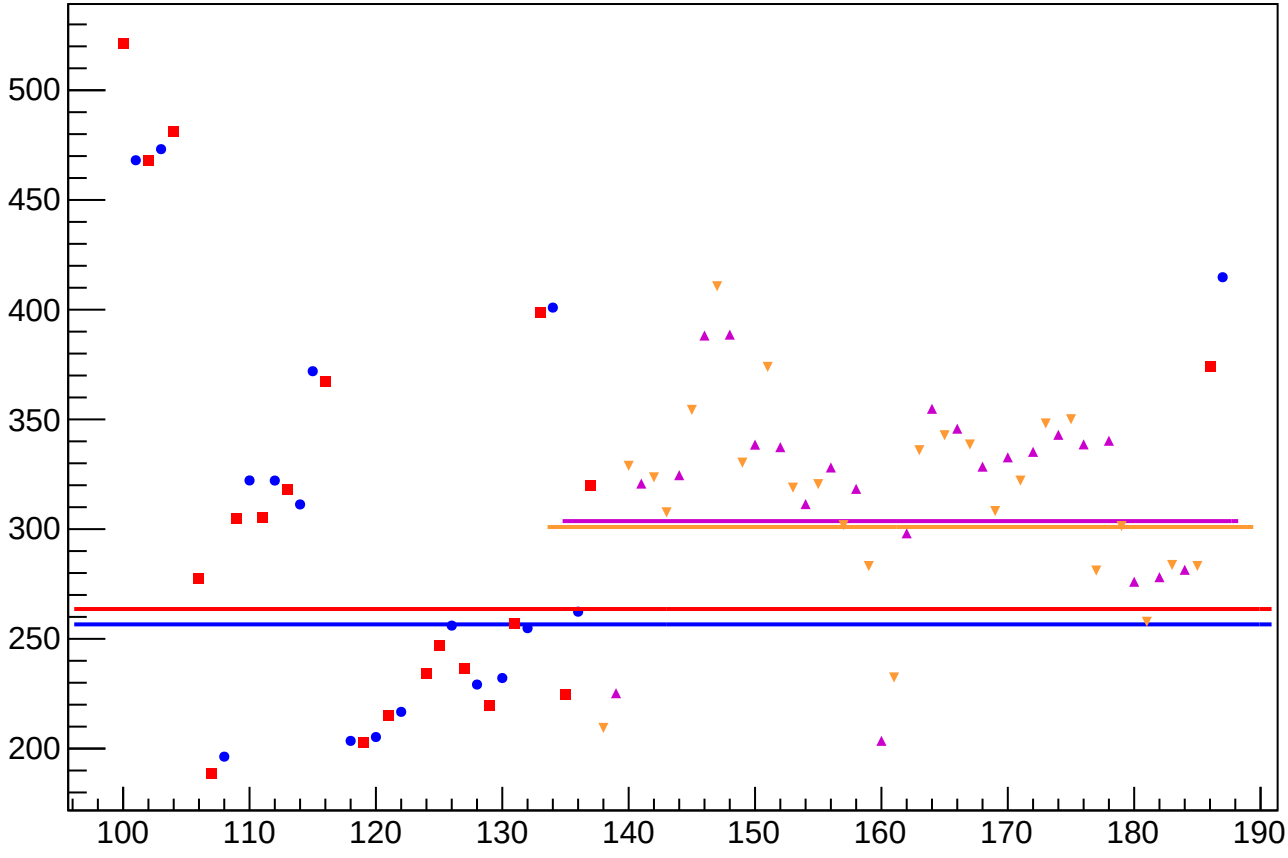
Right: 141249.414+/-0.071 χ^2/NDF: 2261979094.5/

In: 140092.411+/-0.059 χ^2/NDF:3233787325.8/3

Out: 140061.392+/-0.057 χ^2/NDF:3955933749.3/4

All: 140076.446+/-0.041 χ^2/NDF: 71898633

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 256.594+/-0.071 χ^2/NDF: 1002638.3/16

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 263.598+/-0.070 χ^2/NDF: 1065363.9/19

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

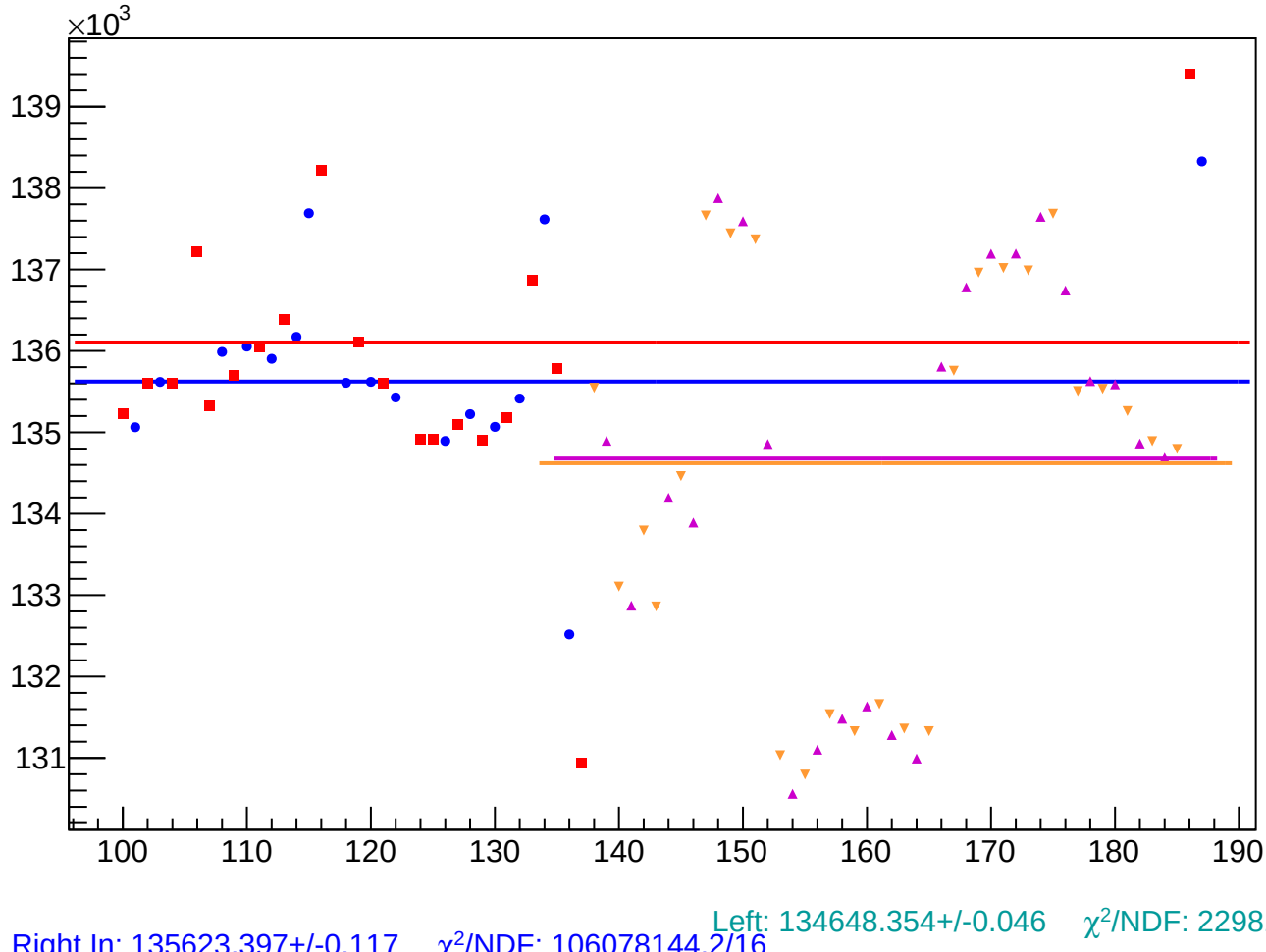
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 260.119+/-0.050 χ^2/NDF: 2072913.7/36

In: 287.371+/-0.042 χ^2/NDF:2266971.5/39

Out: 288.606+/-0.041 χ^2/NDF:2130597.8/44

All: 288.006+/-0.029 χ^2/NDF: 4398020.4/84



Right In: 135623.397+/-0.117 χ^2/NDF: 106078144.2/16

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136103.363+/-0.104 χ^2/NDF: 137851369.9/19

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

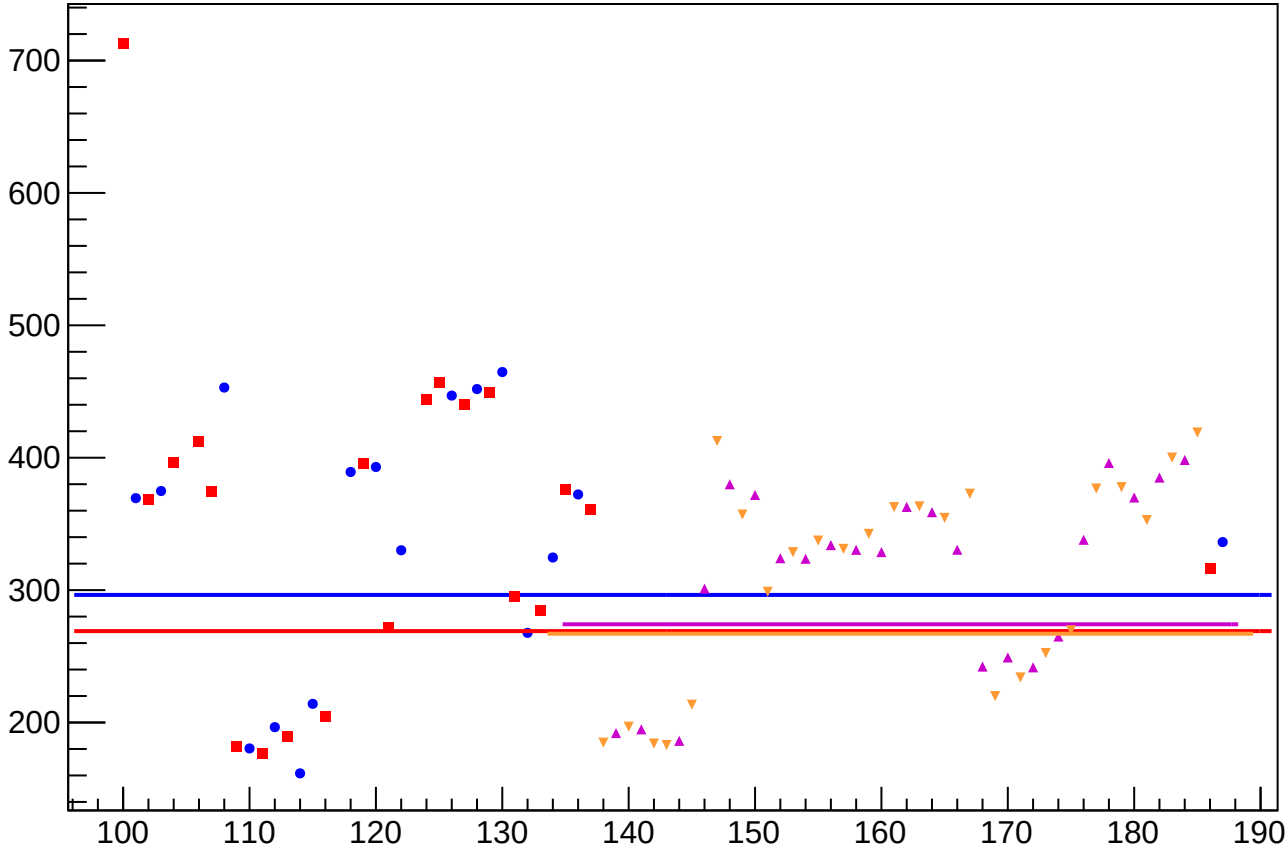
Right: 135891.665+/-0.078 χ^2/NDF: 253326681.3/3

In: 134911.128+/-0.058 χ^2/NDF:1251492305.0/39

Out: 135025.814+/-0.054 χ^2/NDF:1487071795.2/4

All: 134972.283+/-0.040 χ^2/NDF: 27406432

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 296.372+/-0.083 χ^2/NDF: 1447717.0/16

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 269.034+/-0.074 χ^2/NDF: 1696960.7/19

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

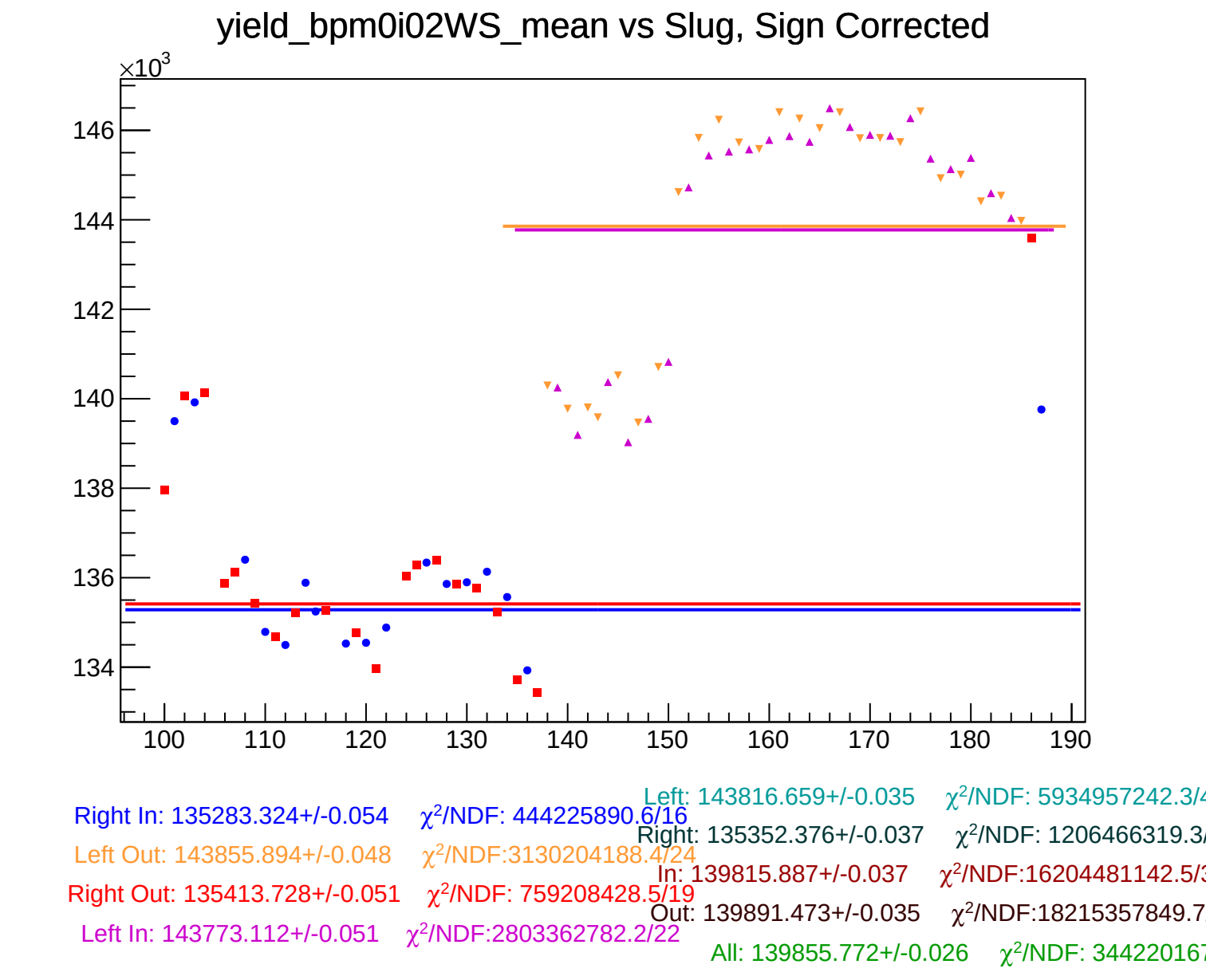
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 281.092+/-0.055 χ^2/NDF: 3205651.0/36

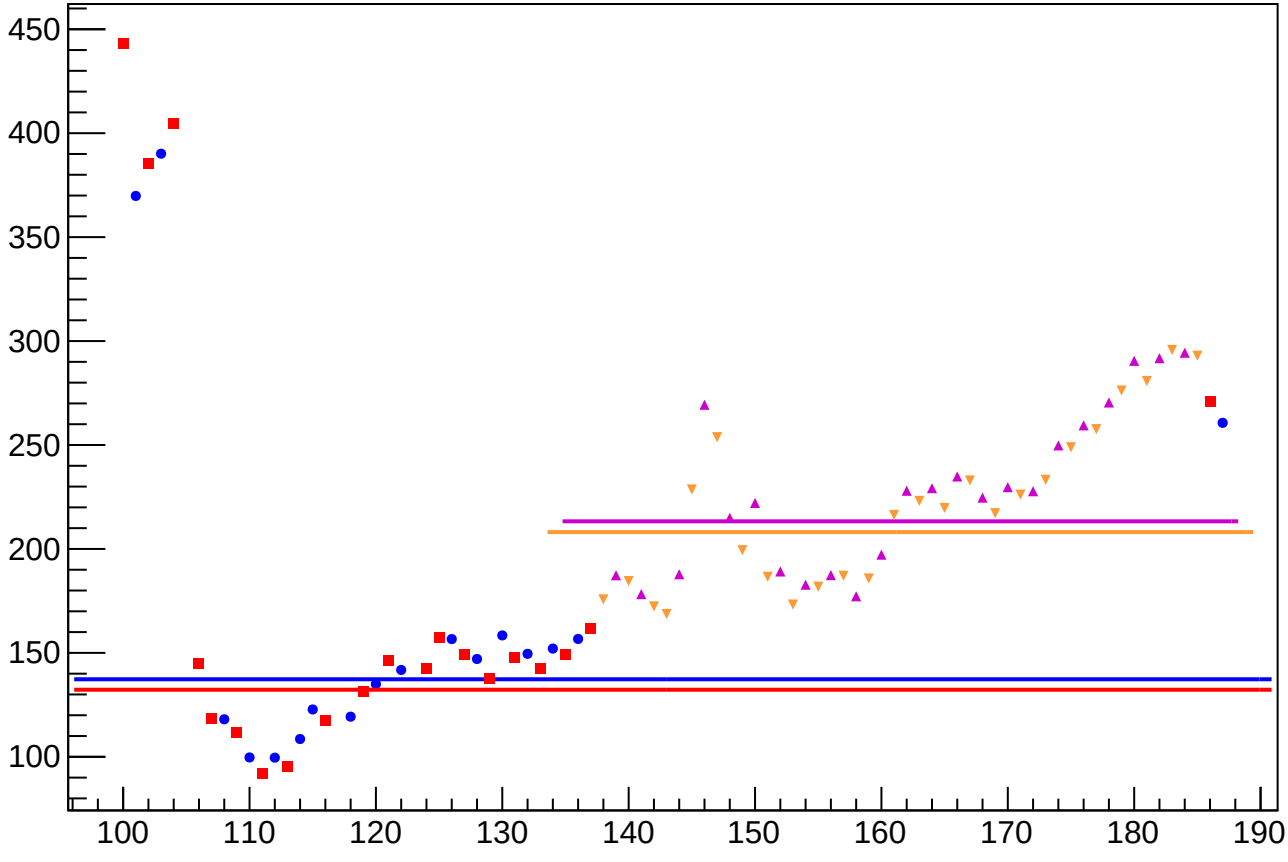
In: 279.641+/-0.041 χ^2/NDF:3738671.5/39

Out: 267.594+/-0.038 χ^2/NDF:4540795.0/44

All: 273.217+/-0.028 χ^2/NDF: 8325350.5/84


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
110
120
130
140
150
160
170
180
190
Right In: 135283.324+/-0.054 χ²/NDF: 444225890.6/16
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 135413.728+/-0.051 χ²/NDF: 759208428.5/19
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 135352.376+/-0.037 χ²/NDF: 1206466319.3/
In: 139815.887+/-0.037 χ²/NDF:16204481142.5/3
Out: 139891.473+/-0.035 χ²/NDF:18215357849.7
All: 139855.772+/-0.026 χ²/NDF: 34422016

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 137.306+/-0.039 χ^2/NDF: 1468912.6/16

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 132.273+/-0.036 χ^2/NDF: 1738099.2/19

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

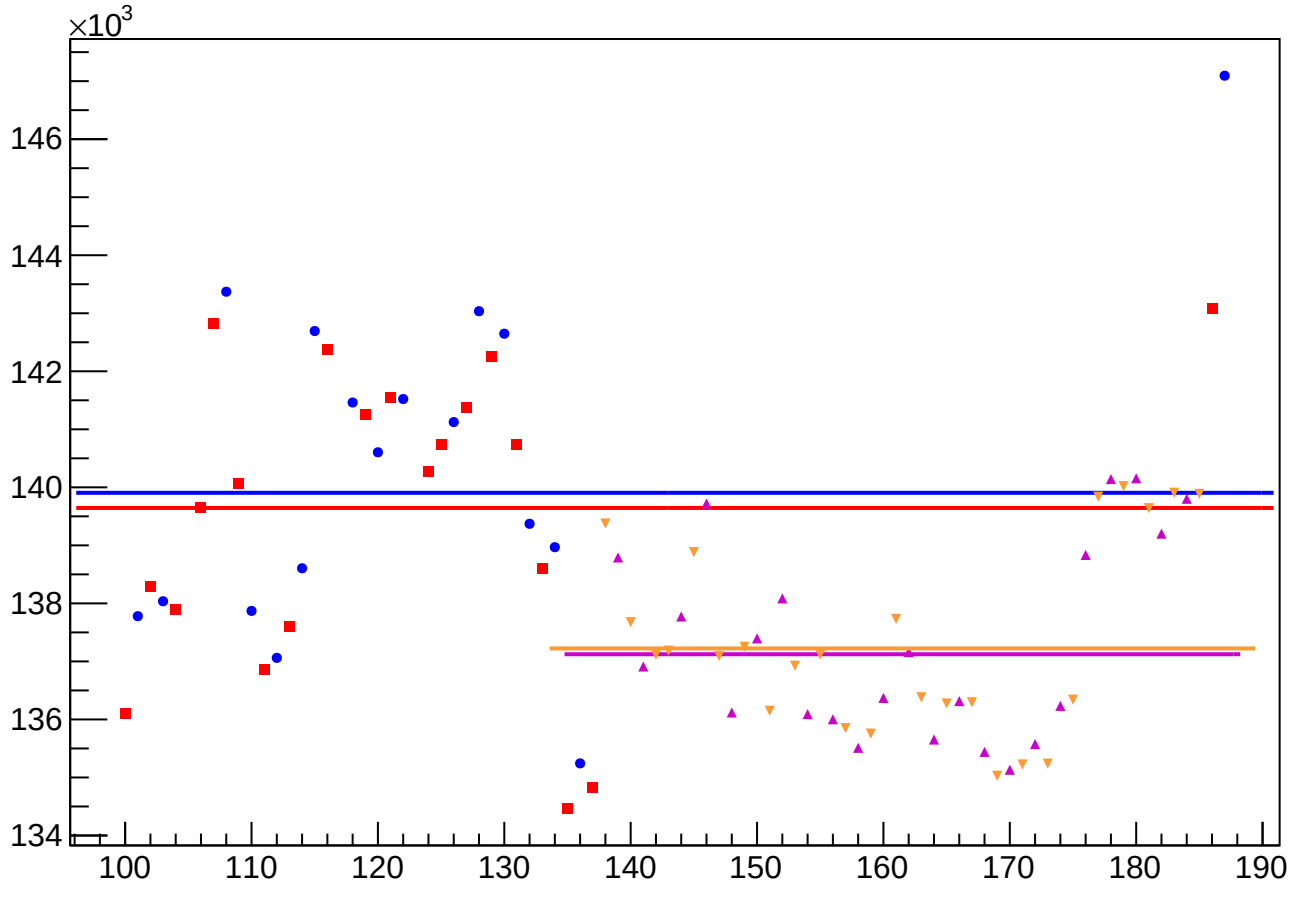
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 134.641+/-0.026 χ^2/NDF: 3216044.4/36

In: 177.872+/-0.026 χ^2/NDF:4410072.6/39

Out: 172.492+/-0.025 χ^2/NDF:5042595.3/44

All: 175.033+/-0.018 χ^2/NDF: 9474729.0/84



Right In: 139905.897+/-0.062 χ^2/NDF: 1818878425.0/16

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 139645.064+/-0.059 χ^2/NDF: 1539010634.6/19

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

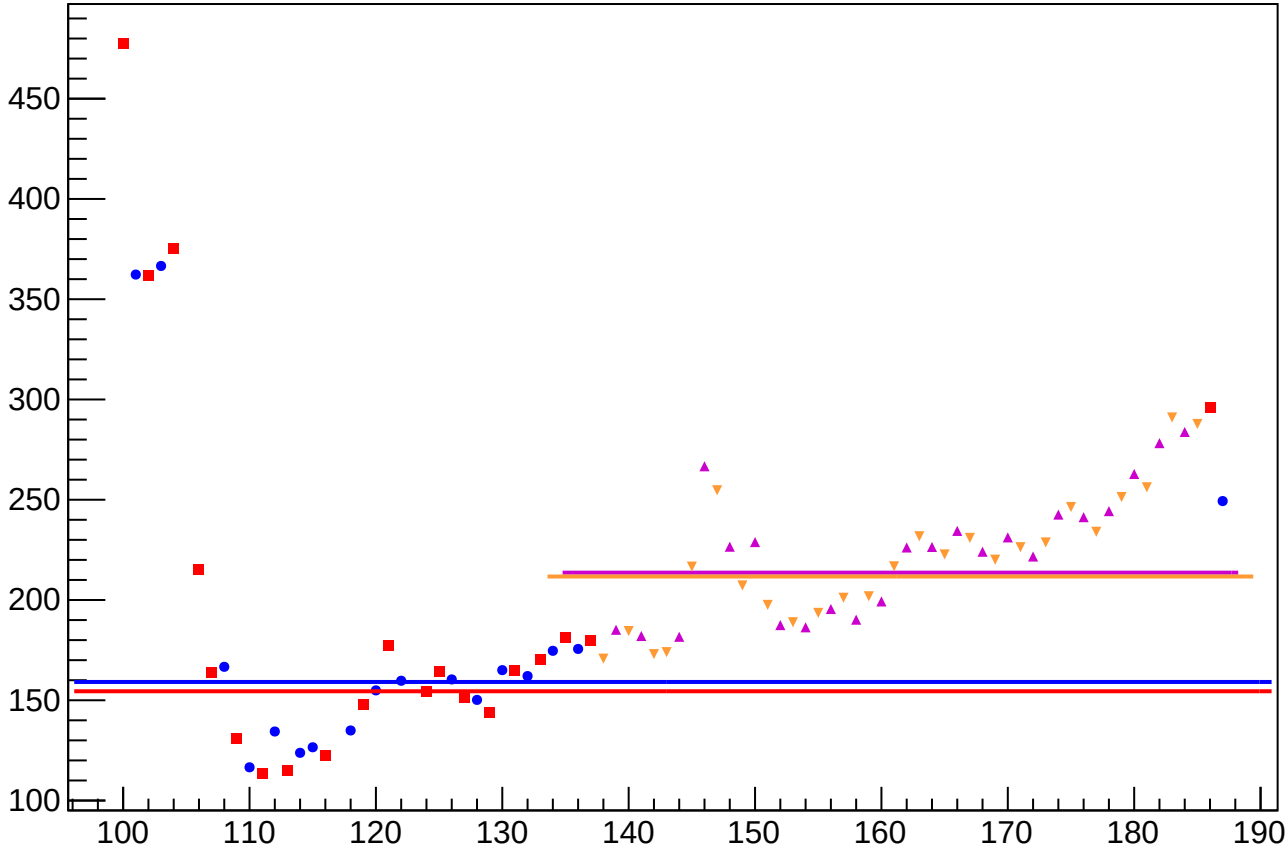
Right: 139769.055+/-0.043 χ^2/NDF: 3367105898.1/

In: 138239.022+/-0.039 χ^2/NDF:3877112736.7/3

Out: 138208.511+/-0.038 χ^2/NDF:3424905140.0/4

All: 138223.125+/-0.027 χ^2/NDF: 73023030

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 159.131+/-0.044 χ^2/NDF: 1066907.7/16

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 154.491+/-0.042 χ^2/NDF: 1418697.6/19

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

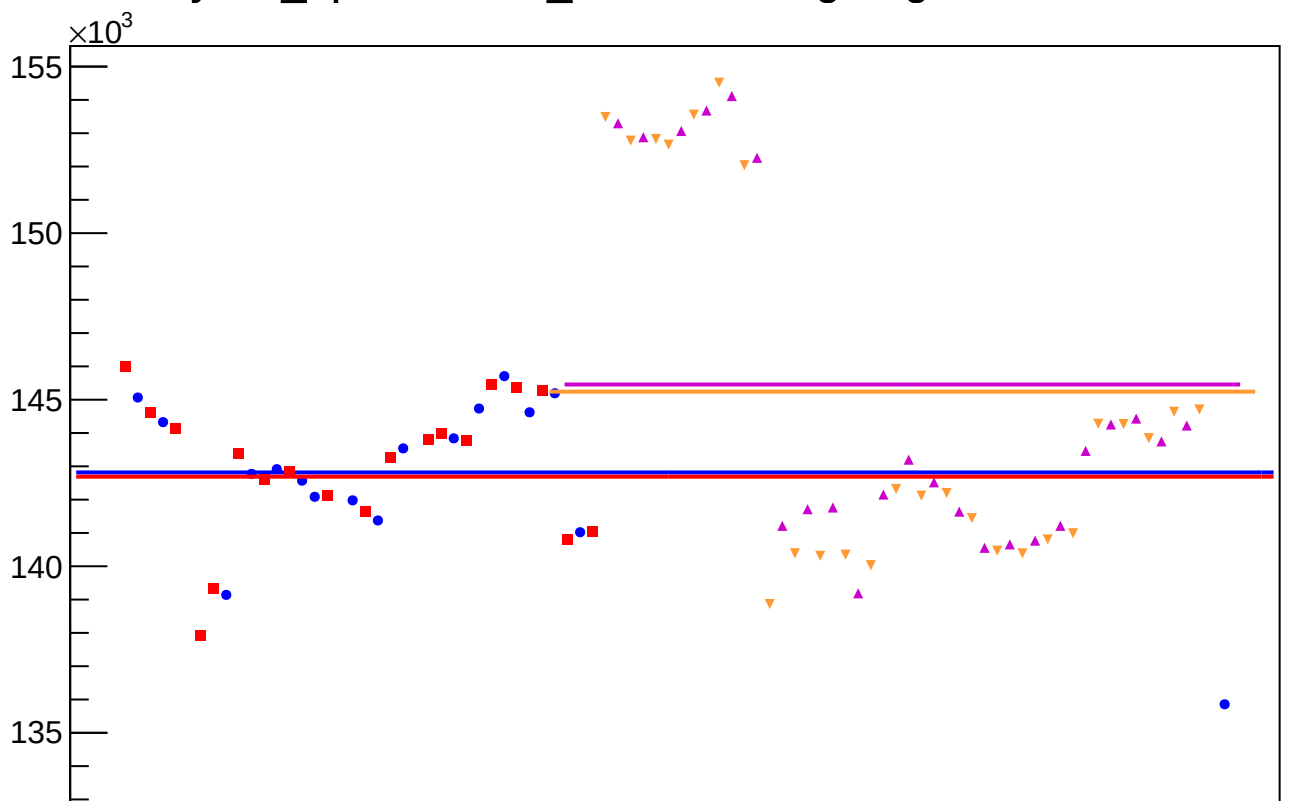
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 156.696+/-0.030 χ^2/NDF: 2491438.9/36

In: 191.787+/-0.028 χ^2/NDF:2607576.0/39

Out: 188.439+/-0.027 χ^2/NDF:3201558.3/44

All: 190.043+/-0.019 χ^2/NDF: 5816656.5/84



Right In: 142816.518+/-0.065 χ^2/NDF: 882075001.3/16

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 142689.420+/-0.061 χ^2/NDF: 1460377496.8/19

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

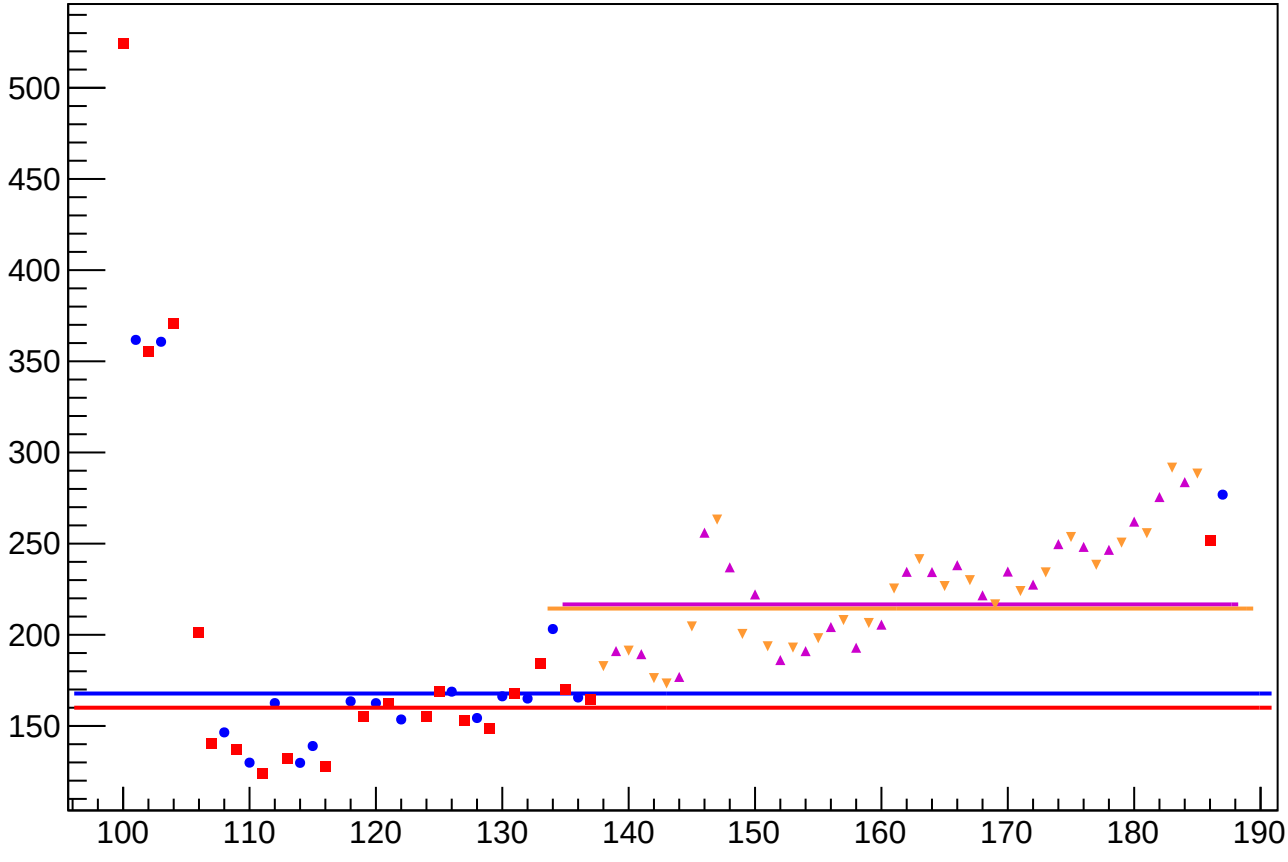
Right: 142748.408+/-0.045 χ^2/NDF: 2344479906.8/

In: 144443.168+/-0.040 χ^2/NDF:12960920877.7/3

Out: 144221.932+/-0.038 χ^2/NDF:15551356013.1

All: 144326.835+/-0.028 χ^2/NDF: 28527978

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 167.798+/-0.046 χ^2/NDF: 921918.1/16

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 160.015+/-0.043 χ^2/NDF: 1131933.0/19

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

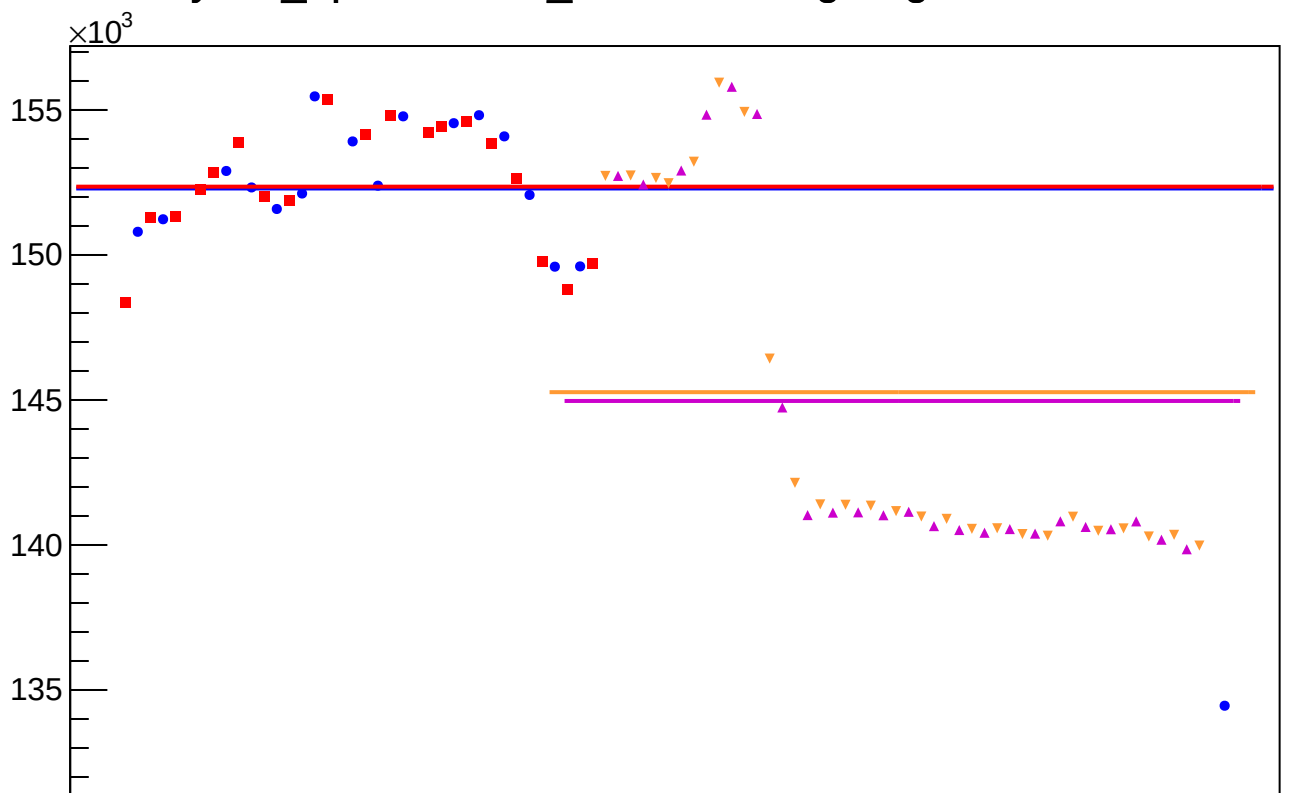
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 163.627+/-0.031 χ^2/NDF: 2069057.7/36

In: 197.899+/-0.029 χ^2/NDF:2197922.7/39

Out: 192.657+/-0.027 χ^2/NDF:2735276.3/44

All: 195.143+/-0.020 χ^2/NDF: 4950829.8/84



Right In: 152293.423+/-0.072 χ^2/NDF: 1524114229.4/16

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 152355.845+/-0.066 χ^2/NDF: 3142546480.6/19

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

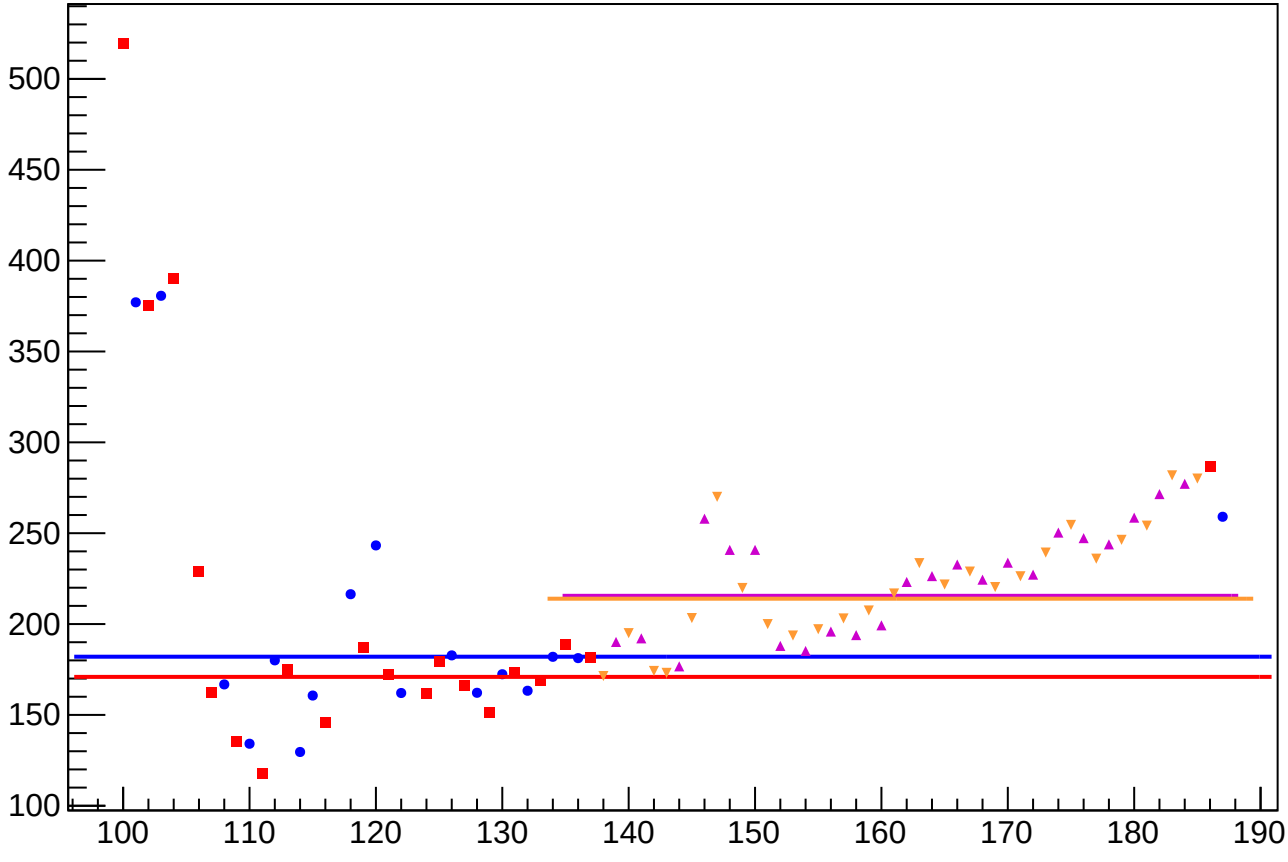
Right: 152327.420+/-0.049 χ^2/NDF: 4667068884.1/

In: 147422.685+/-0.042 χ^2/NDF:21542940065.1/3

Out: 147816.779+/-0.040 χ^2/NDF:24247950147.1

All: 147630.492+/-0.029 χ^2/NDF: 45837877

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 182.033+/-0.051 χ^2/NDF: 940181.3/16

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 170.924+/-0.047 χ^2/NDF: 1226366.1/19

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

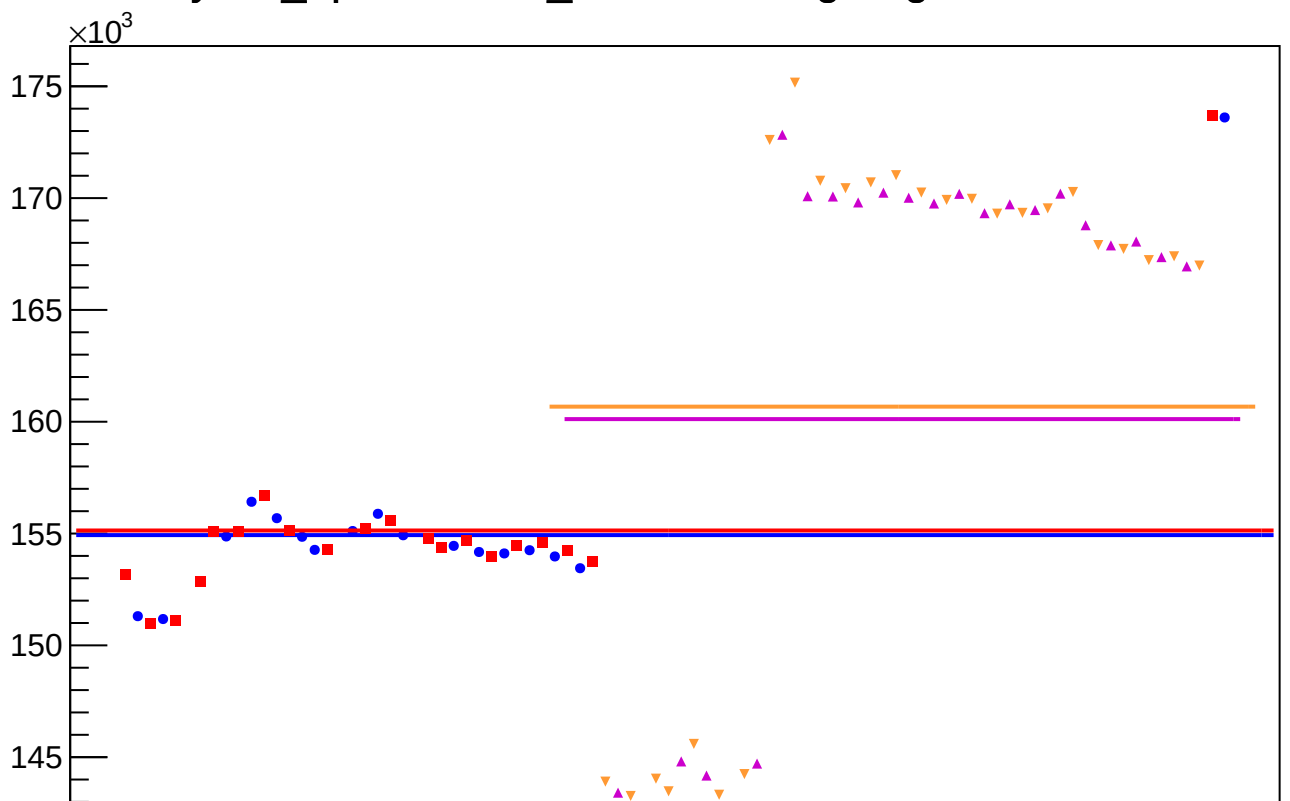
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 175.983+/-0.034 χ^2/NDF: 2192402.8/36

In: 204.306+/-0.030 χ^2/NDF:1827839.2/39

Out: 198.486+/-0.028 χ^2/NDF:2422600.1/44

All: 201.237+/-0.020 χ^2/NDF: 4270937.6/84



Right In: 154930.386+/-0.065 χ^2/NDF: 1150216672.8/16

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 155136.799+/-0.061 χ^2/NDF: 2031631081.6/19

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

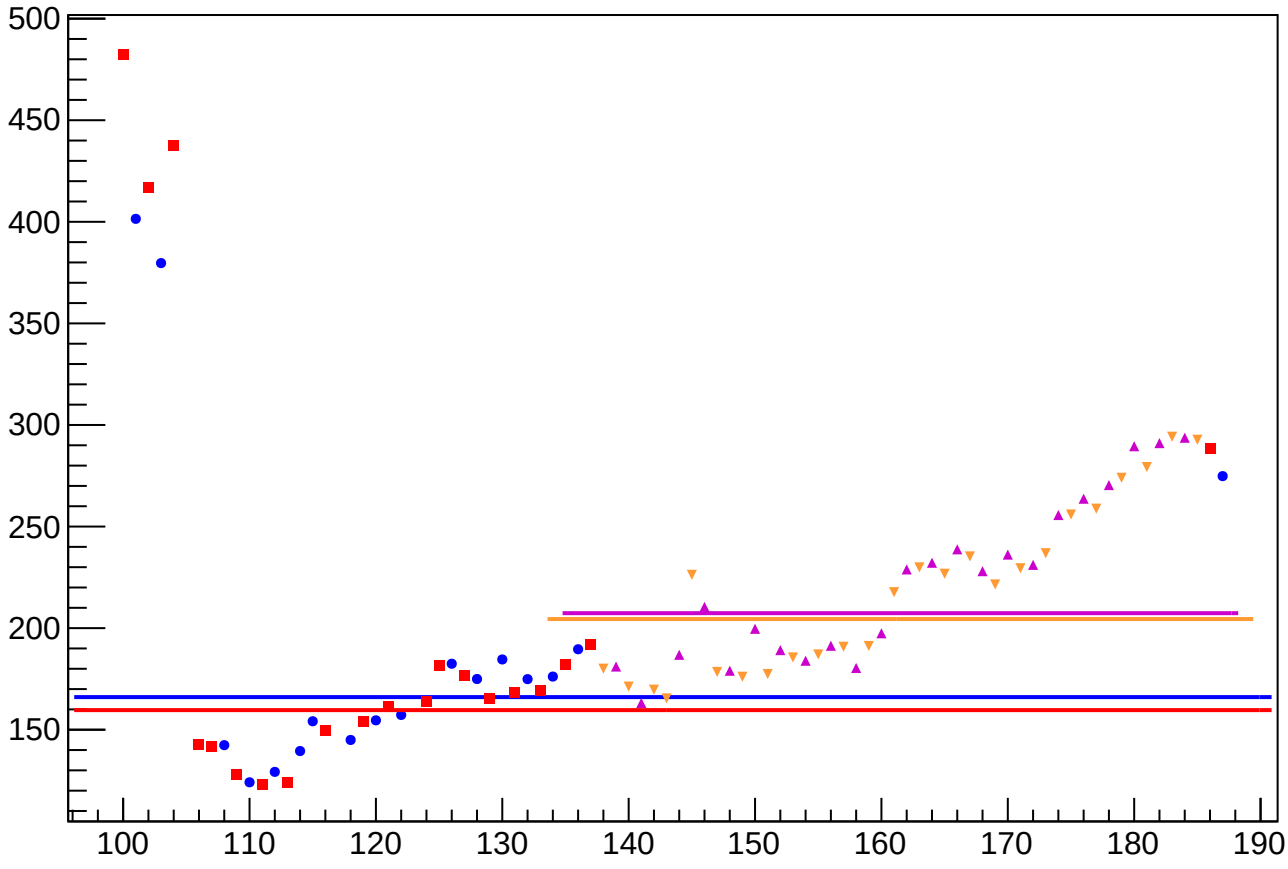
Right: 155040.733+/-0.044 χ^2/NDF: 3187263171.6/

In: 158213.006+/-0.039 χ^2/NDF:71751724759.1/3

Out: 158569.381+/-0.037 χ^2/NDF:81378322857.3

All: 158400.427+/-0.027 χ^2/NDF: 153173299

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 166.055+/-0.046 χ^2/NDF: 1132137.4/16

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 159.649+/-0.043 χ^2/NDF: 1421291.7/19

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

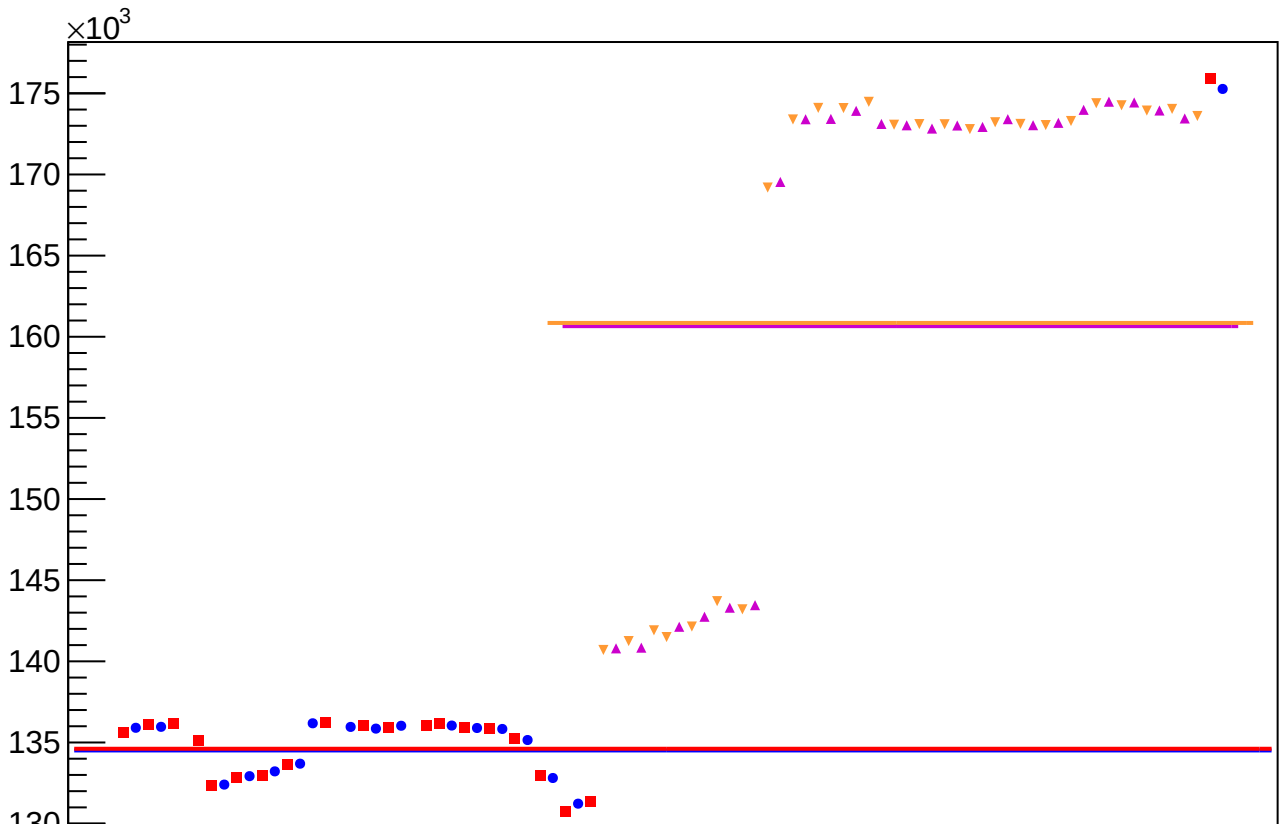
Right: 162.631+/-0.031 χ^2/NDF: 2563860.1/36

In: 192.200+/-0.028 χ^2/NDF:2602396.0/39

Out: 187.434+/-0.026 χ^2/NDF:3174782.2/44

All: 189.693+/-0.019 χ^2/NDF: 5792650.1/84

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134509.384+/-0.051 χ^2/NDF: 4845090916.4/16

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 134613.017+/-0.048 χ^2/NDF: 8775994697.0/19

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

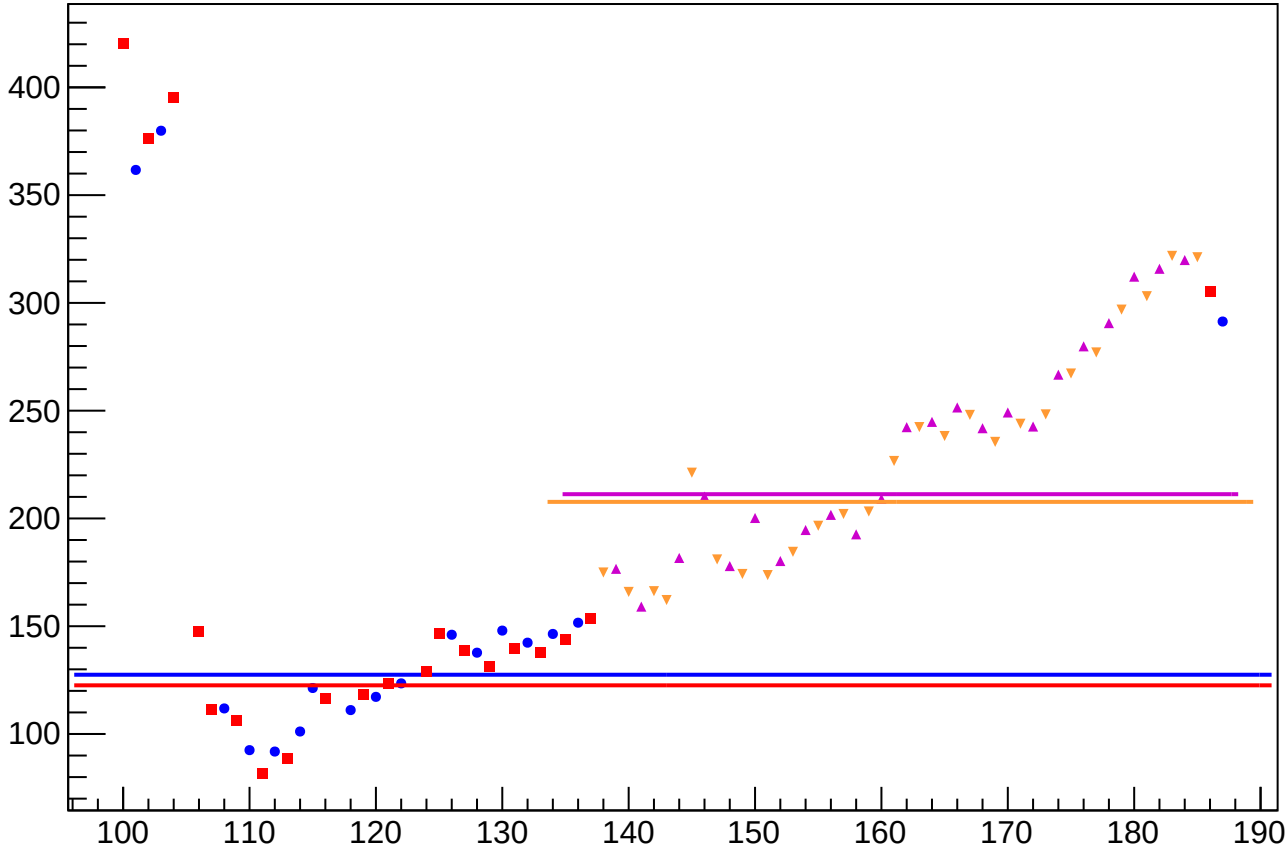
Right: 134564.301+/-0.035 χ^2/NDF: 13623301370.

In: 147600.830+/-0.036 χ^2/NDF:228252141653.5

Out: 147542.136+/-0.034 χ^2/NDF:256865674421.

All: 147569.958+/-0.025 χ^2/NDF: 48511922

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 127.489+/-0.036 χ^2/NDF: 1597103.8/16

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 122.573+/-0.034 χ^2/NDF: 1929728.7/19

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

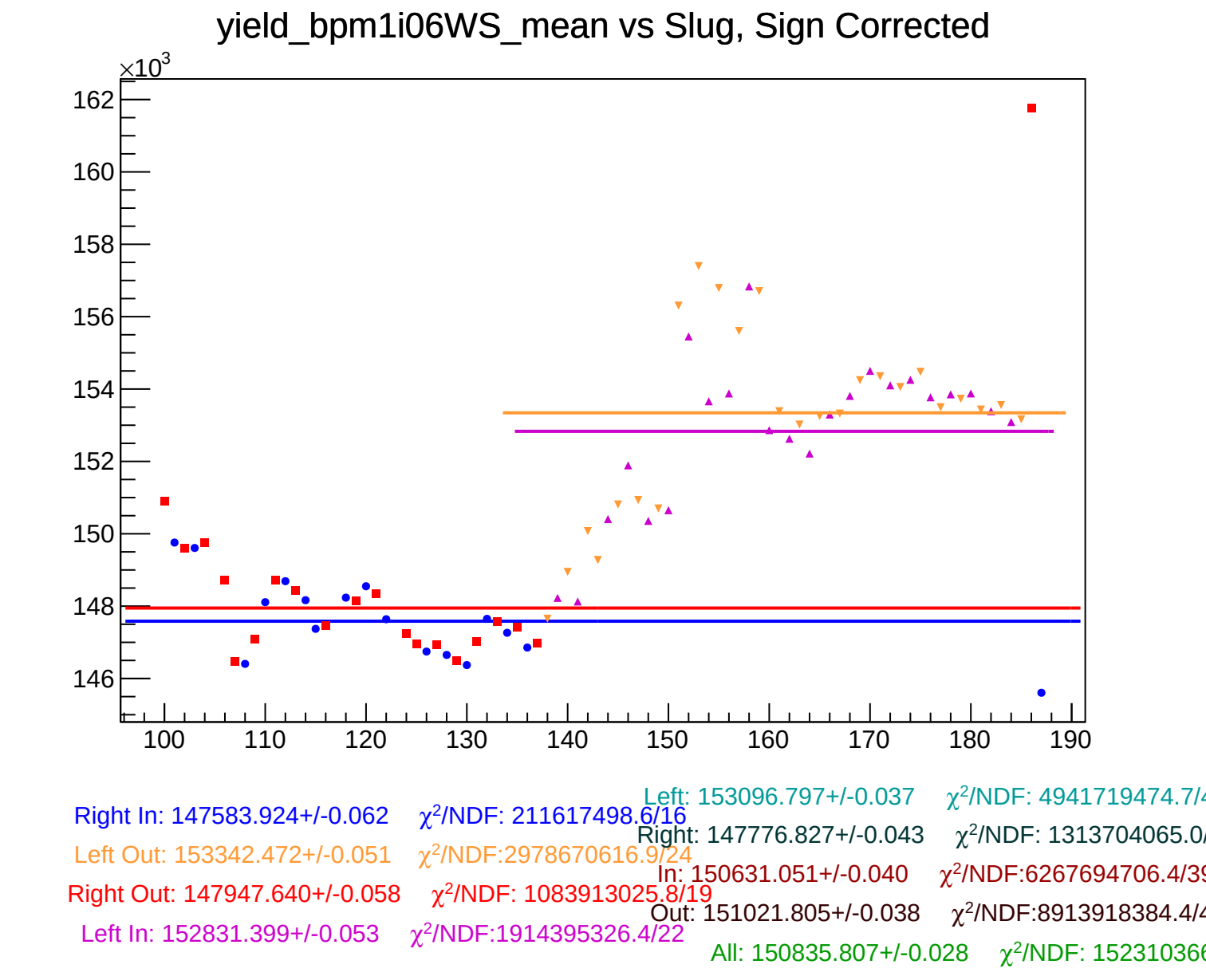
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 124.884+/-0.025 χ^2/NDF: 3536802.2/36

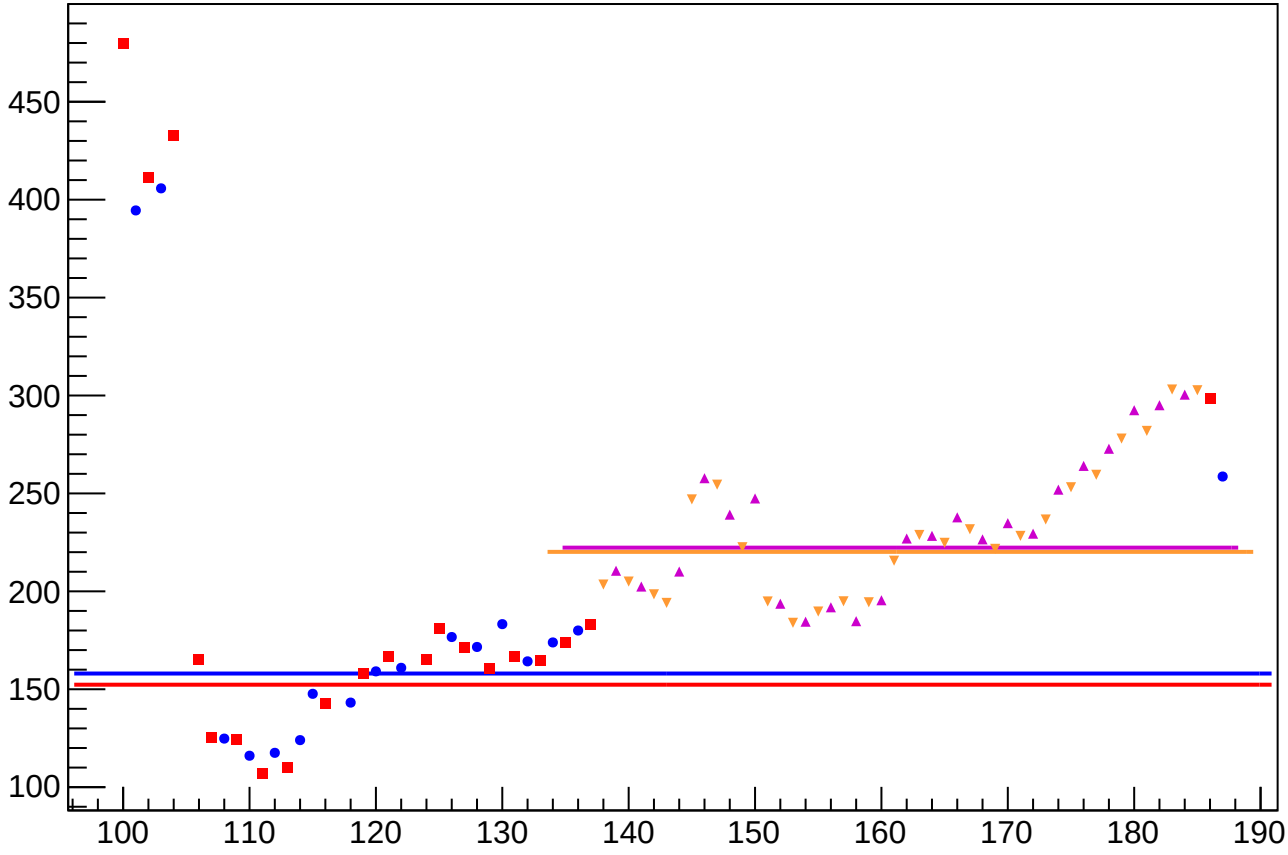
In: 169.433+/-0.025 χ^2/NDF:5638620.2/39

Out: 164.515+/-0.024 χ^2/NDF:6564034.1/44

All: 166.846+/-0.017 χ^2/NDF: 12222490.4/84


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
162
160
158
156
154
152
150
148
146
100
110
120
130
140
150
160
170
180
190
Right In: 147583.924+/-0.062 χ²/NDF: 211617498.6/16
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 147947.640+/-0.058 χ²/NDF: 1083913025.8/19
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
Left: 153096.797+/-0.037 χ²/NDF: 4941719474.7/4
Right: 147776.827+/-0.043 χ²/NDF: 1313704065.0/
In: 150631.051+/-0.040 χ²/NDF:6267694706.4/39
Out: 151021.805+/-0.038 χ²/NDF:8913918384.4/4
All: 150835.807+/-0.028 χ²/NDF: 15231036

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 158.030+/-0.044 χ^2/NDF: 1323253.4/16

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 152.325+/-0.041 χ^2/NDF: 1653458.6/19

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

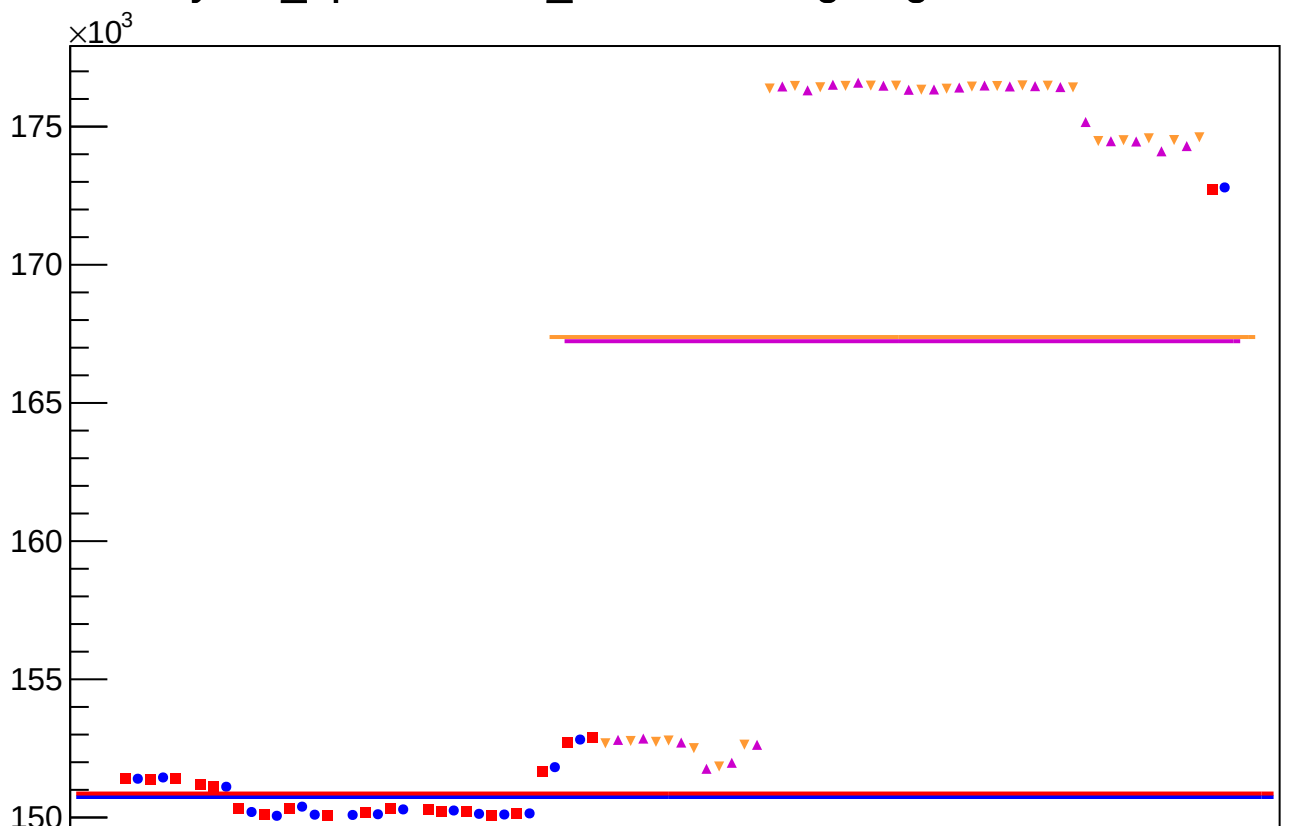
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 155.004+/-0.030 χ^2/NDF: 2985655.1/36

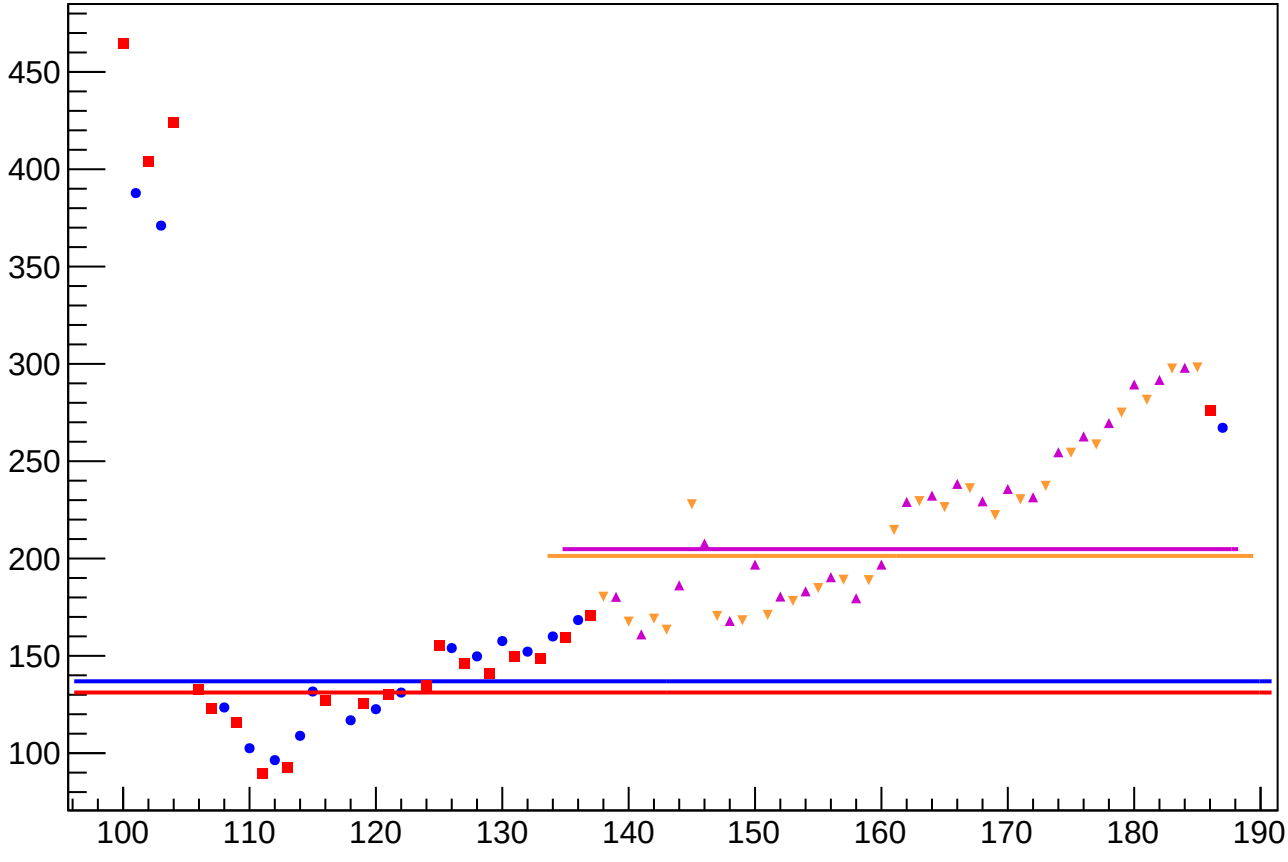
In: 195.353+/-0.028 χ^2/NDF:3263594.8/39

Out: 190.977+/-0.027 χ^2/NDF:3872924.4/44

All: 193.060+/-0.020 χ^2/NDF: 7148915.0/84


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
170
180
190
Right In: 150741.657+/-0.054 χ²/NDF: 1526841817.7/16
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 150866.861+/-0.051 χ²/NDF: 2800684535.7/19
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 150808.745+/-0.037 χ²/NDF: 4330364977.5
In: 159868.181+/-0.036 χ²/NDF:107492669938.5
Out: 159786.315+/-0.034 χ²/NDF:119881348878.
All: 159824.918+/-0.025 χ²/NDF: 22737669

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 136.918+/-0.038 χ^2/NDF: 1506282.4/16

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 131.156+/-0.036 χ^2/NDF: 1843682.2/19

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

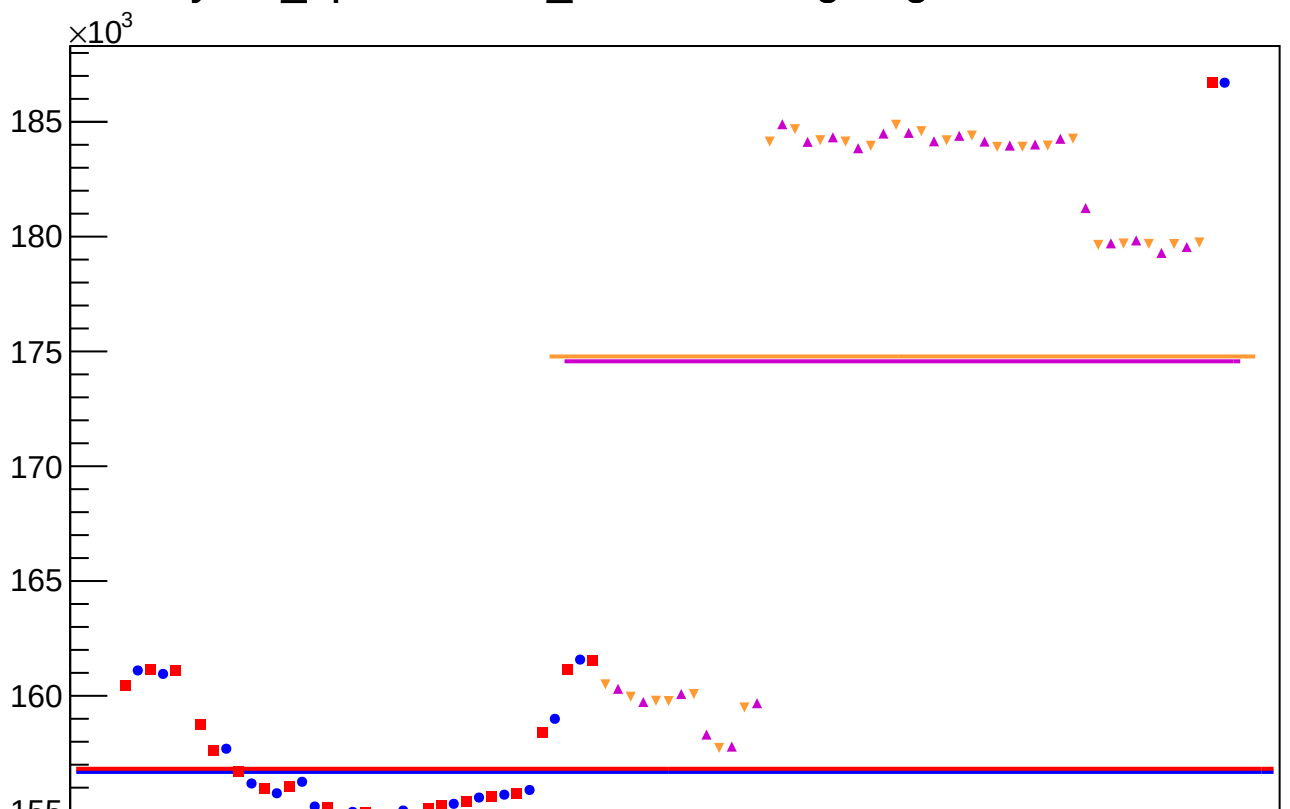
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 133.831+/-0.026 χ^2/NDF: 3361986.4/36

In: 174.496+/-0.026 χ^2/NDF:4284172.6/39

Out: 169.047+/-0.024 χ^2/NDF:5148843.5/44

All: 171.616+/-0.018 χ^2/NDF: 9456765.4/84



Right In: 156685.534+/-0.057 χ^2/NDF: 3229913915.1/16

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 156823.047+/-0.053 χ^2/NDF: 4984295295.3/19

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

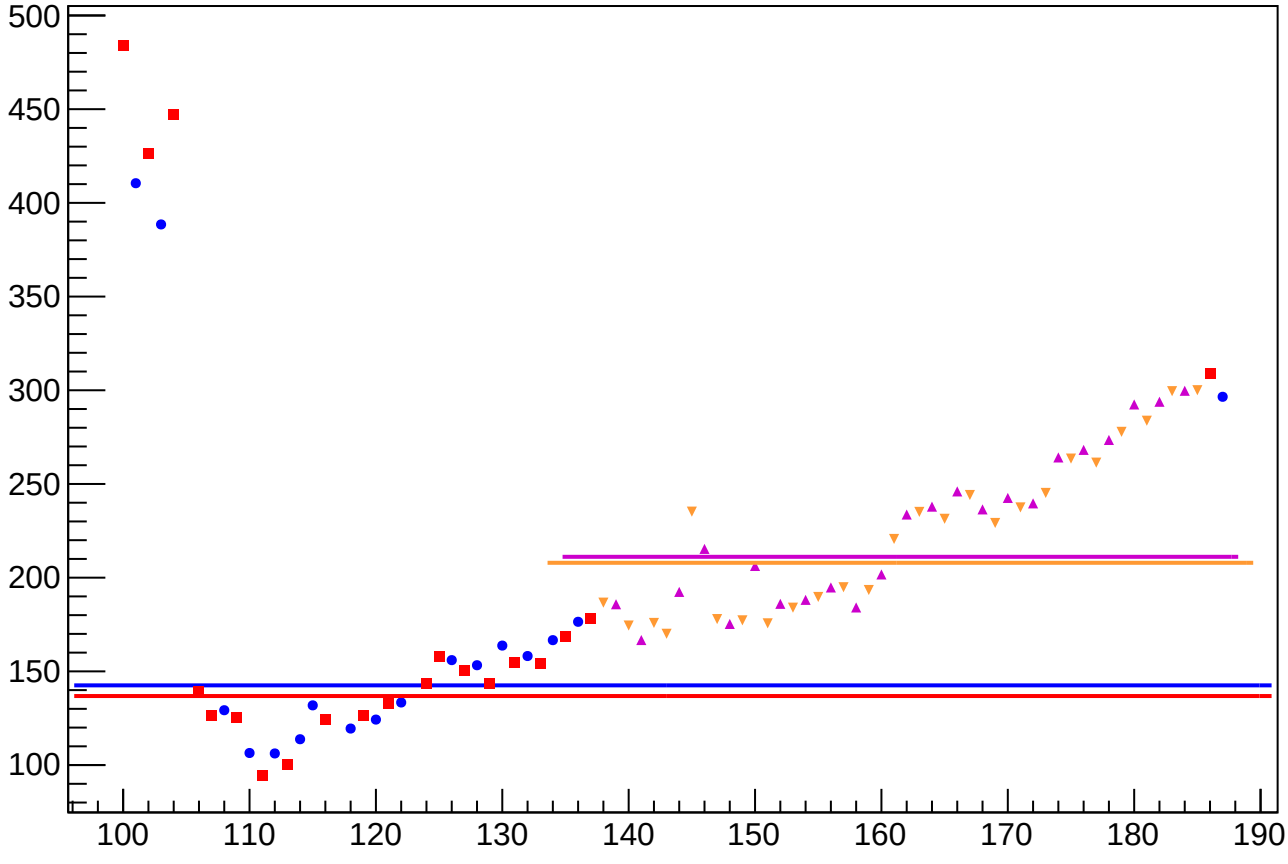
Right: 156759.075+/-0.039 χ^2/NDF: 8217363845.8/

In: 166674.894+/-0.038 χ^2/NDF:113717800464.0

Out: 166618.107+/-0.036 χ^2/NDF:126194470360.

All: 166644.938+/-0.026 χ^2/NDF: 239913472

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 142.533+/-0.040 χ^2/NDF: 1494047.3/16

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 136.836+/-0.037 χ^2/NDF: 1837425.9/19

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

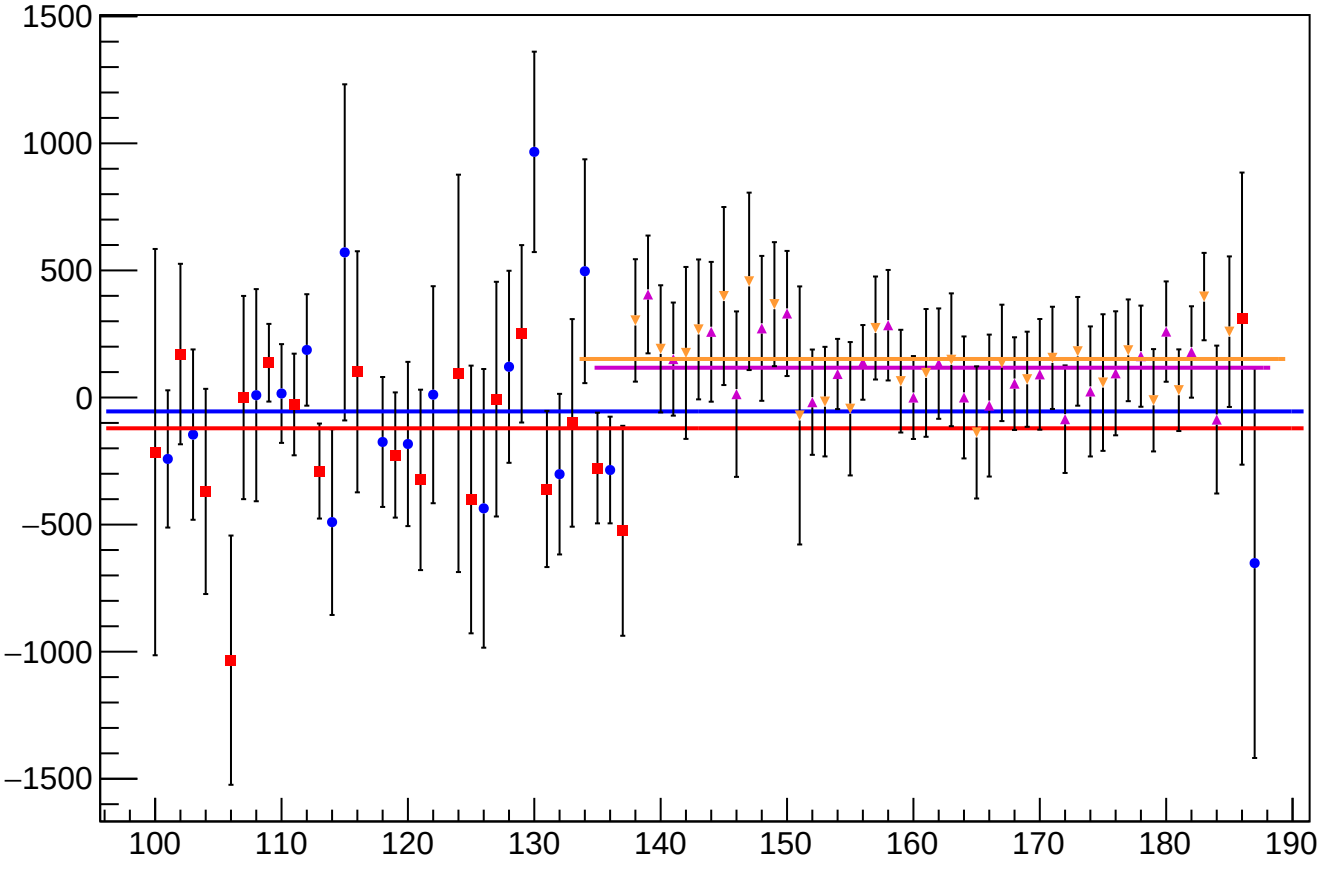
Right: 139.486+/-0.027 χ^2/NDF: 3342300.5/36

In: 180.850+/-0.027 χ^2/NDF:4127679.7/39

Out: 175.620+/-0.025 χ^2/NDF:4947368.3/44

All: 178.091+/-0.018 χ^2/NDF: 9095437.6/84

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -54.703+/-76.213 χ^2/NDF: 16.0/16

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -121.116+/-68.024 χ^2/NDF: 13.4/19

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

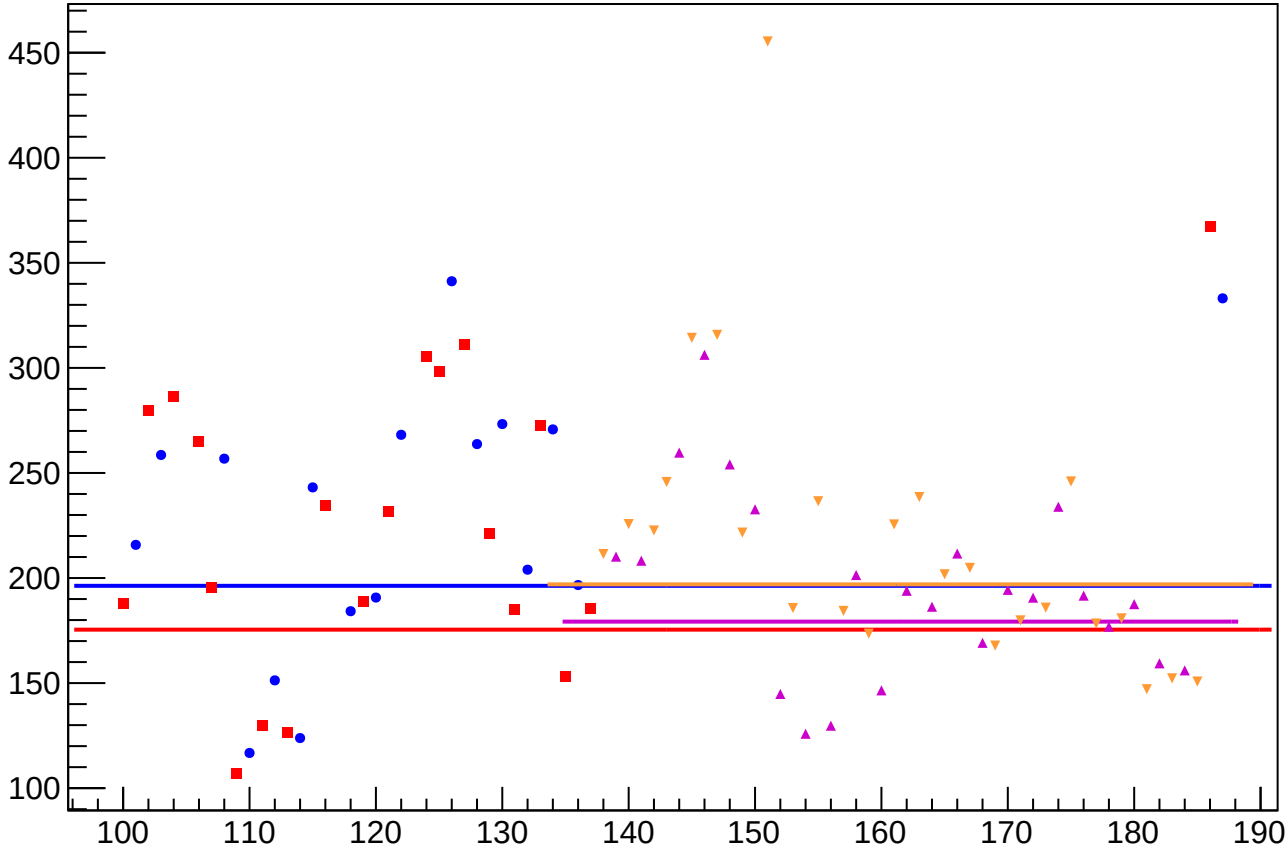
Right: -91.668+/-50.749 χ^2/NDF: 29.9/36

In: 74.524+/-37.961 χ^2/NDF:27.3/39

Out: 64.954+/-38.342 χ^2/NDF:34.0/44

All: 69.787+/-26.976 χ^2/NDF: 61.4/84

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 196.288+/-0.054 χ^2/NDF: 1093210.3/16

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 175.433+/-0.048 χ^2/NDF: 1857852.9/19

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

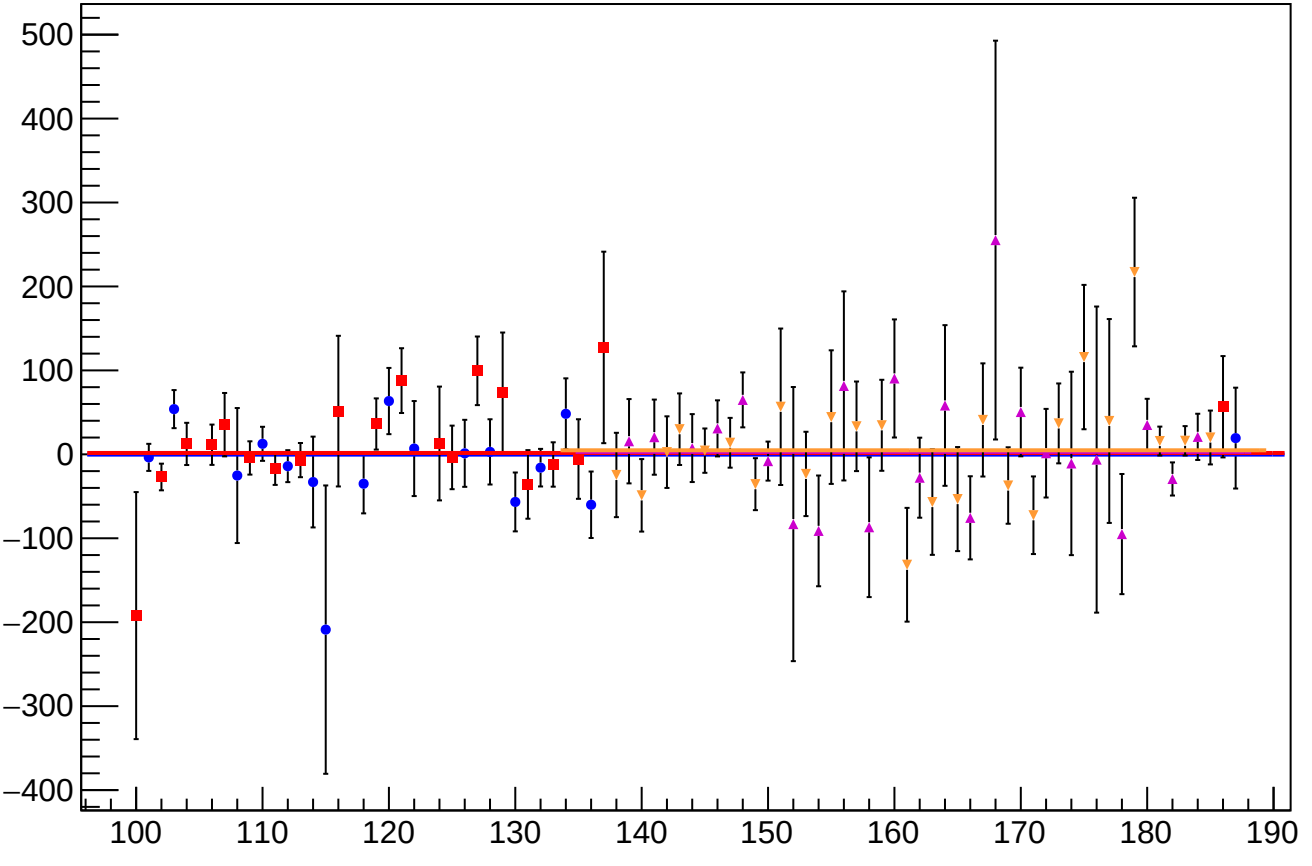
Right: 184.680+/-0.036 χ^2/NDF: 3034416.3/36

In: 183.481+/-0.027 χ^2/NDF:2824337.2/39

Out: 190.131+/-0.027 χ^2/NDF:3804013.8/44

All: 186.773+/-0.019 χ^2/NDF: 6658728.4/84

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.330+/-7.286 χ^2/NDF: 19.0/16

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 1.629+/-6.725 χ^2/NDF: 23.9/19

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

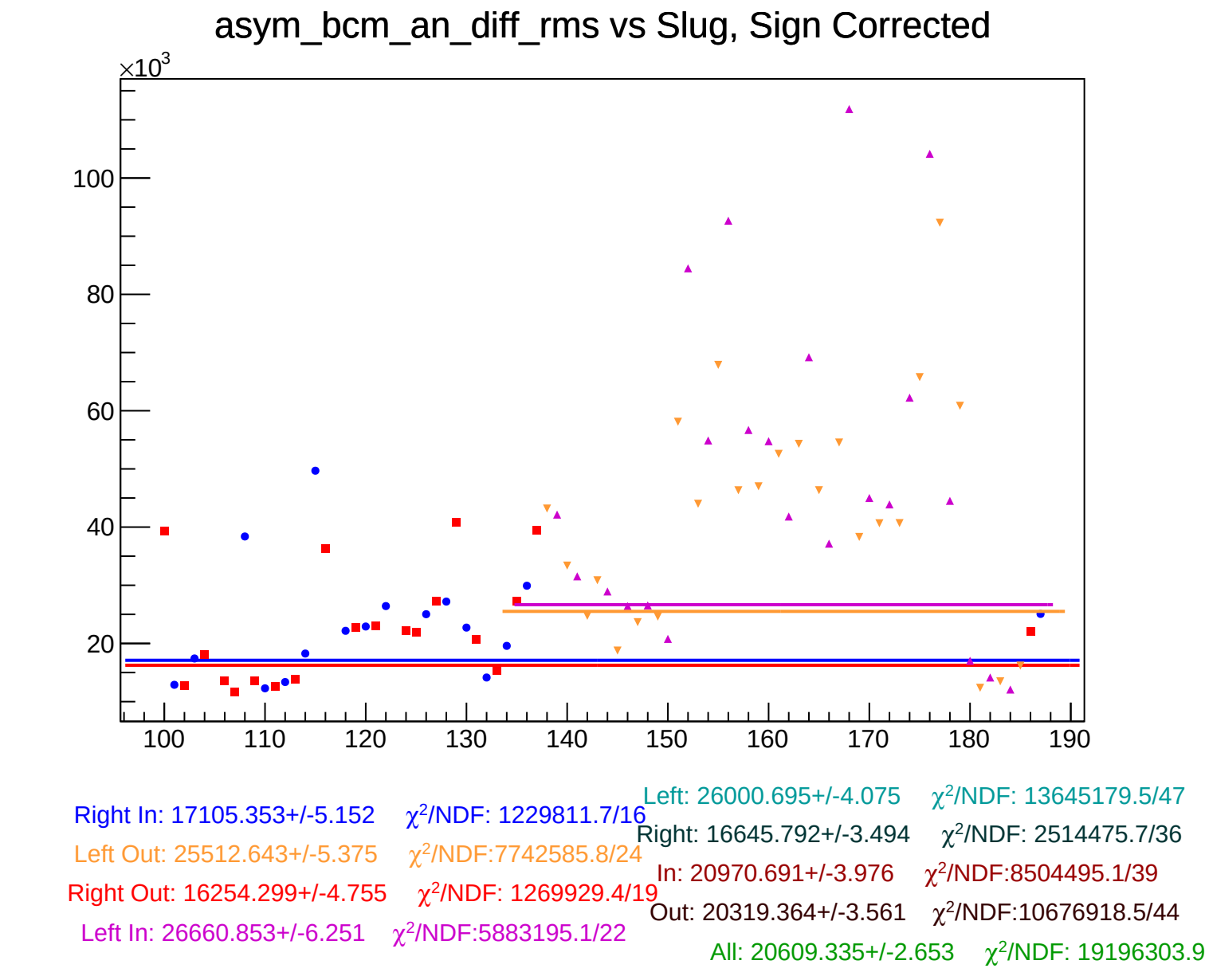
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 0.728+/-4.942 χ^2/NDF: 42.9/36

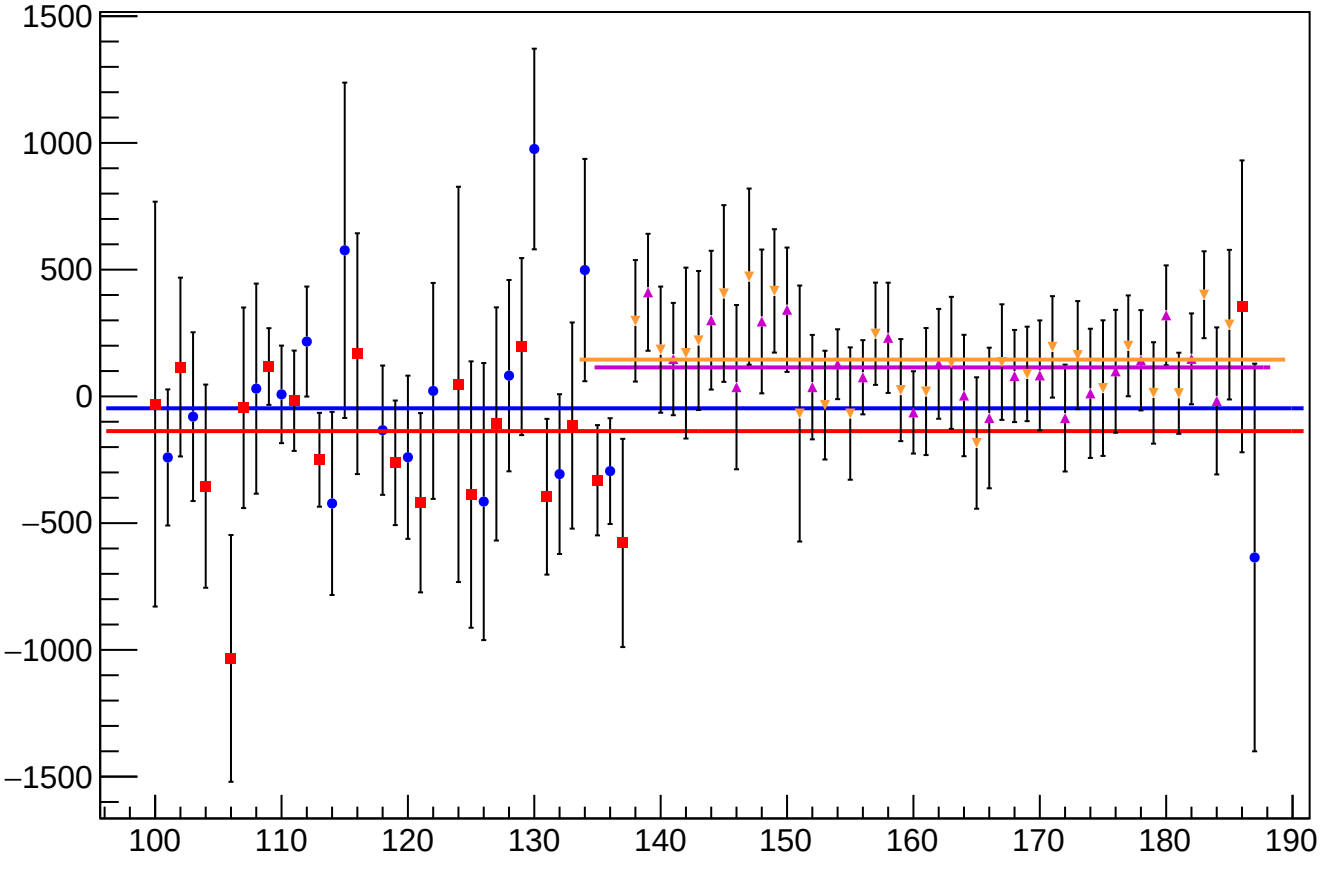
In: 0.984+/-5.622 χ^2/NDF:40.6/39

Out: 3.023+/-5.037 χ^2/NDF:48.3/44

All: 2.115+/-3.752 χ^2/NDF: 89.0/84


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
180
190
Right In: 17105.353+/-5.152 χ²/NDF: 1229811.7/16
Left Out: 25512.643+/-5.375 χ²/NDF:7742585.8/24
Right Out: 16254.299+/-4.755 χ²/NDF: 1269929.4/19
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 16645.792+/-3.494 χ²/NDF: 2514475.7/36
In: 20970.691+/-3.976 χ²/NDF:8504495.1/39
Out: 20319.364+/-3.561 χ²/NDF:10676918.5/44
All: 20609.335+/-2.653 χ²/NDF: 19196303.9

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -46.886+/-75.782 χ^2/NDF: 16.1/16

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -136.939+/-67.609 χ^2/NDF: 13.8/19

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

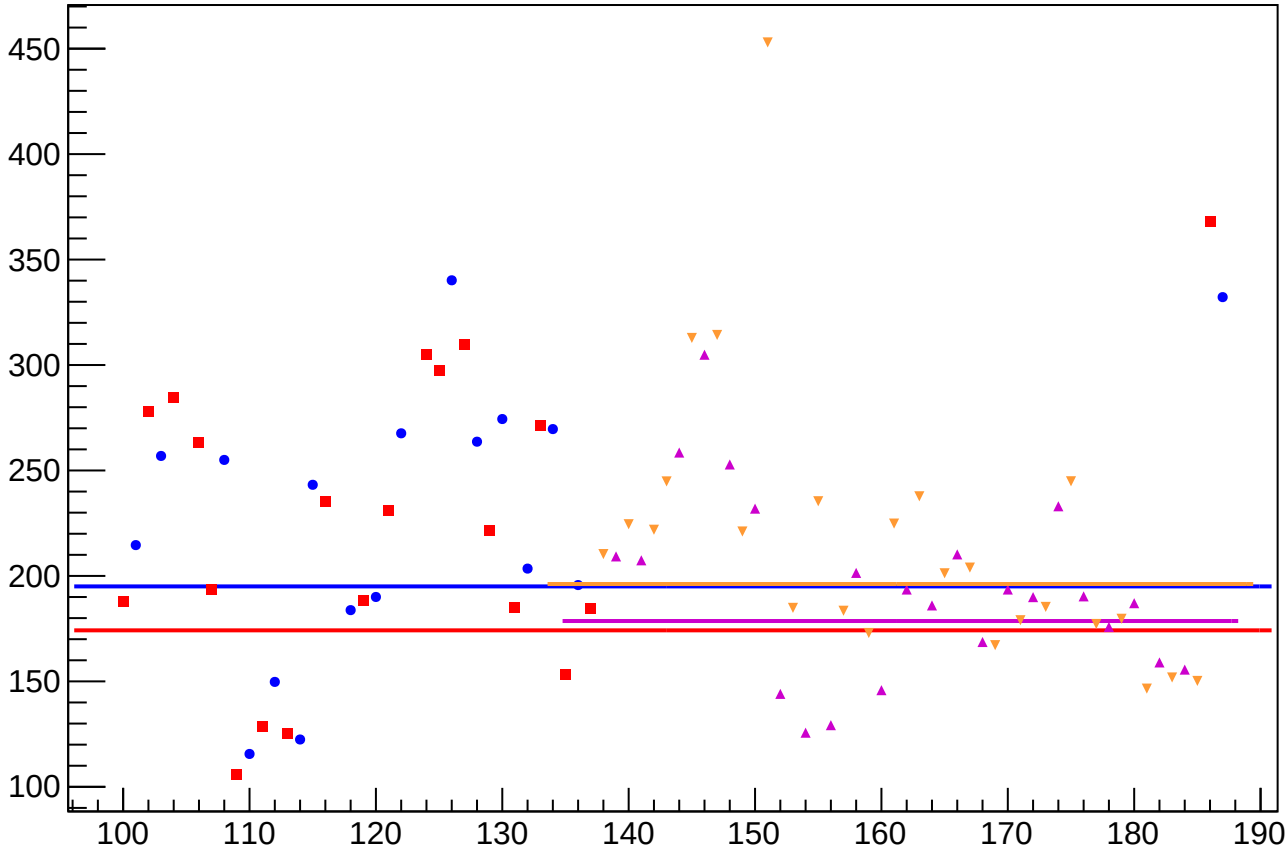
Right: -97.028+/-50.450 χ^2/NDF: 30.6/36

In: 74.263+/-37.804 χ^2/NDF:27.8/39

Out: 55.305+/-38.159 χ^2/NDF:36.8/44

All: 64.872+/-26.856 χ^2/NDF: 64.8/84

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 195.031+/-0.054 χ^2/NDF: 1114754.9/16

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 174.196+/-0.048 χ^2/NDF: 1883204.5/19

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

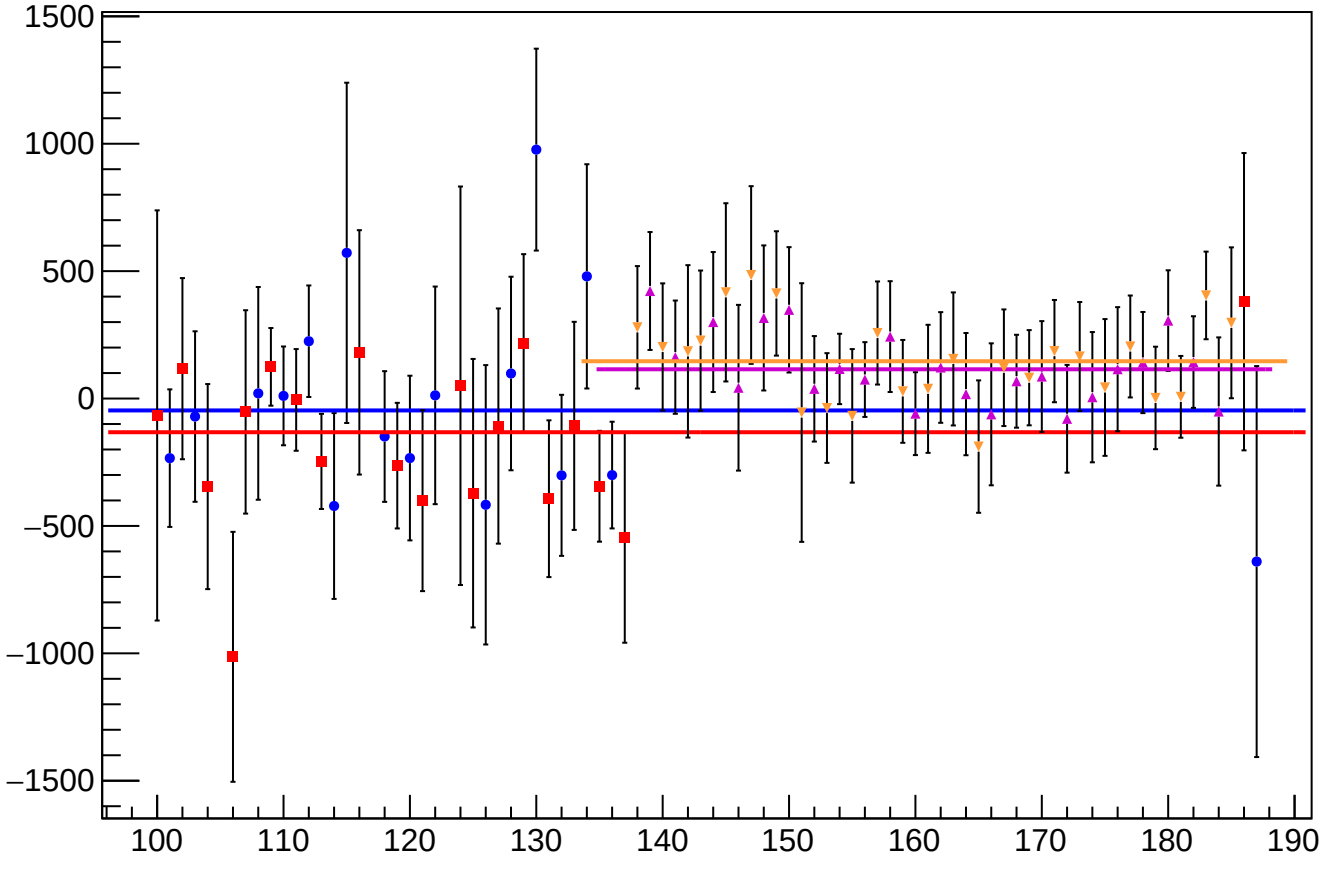
Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

Right: 183.430+/-0.036 χ^2/NDF: 3082134.0/36

In: 182.705+/-0.027 χ^2/NDF:2837072.1/39

Out: 189.167+/-0.027 χ^2/NDF:3833985.5/44

All: 185.906+/-0.019 χ^2/NDF: 6700008.0/84



Right In: -46.707+/-76.200 χ^2/NDF: 16.0/16

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -132.238+/-67.993 χ^2/NDF: 13.7/19

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

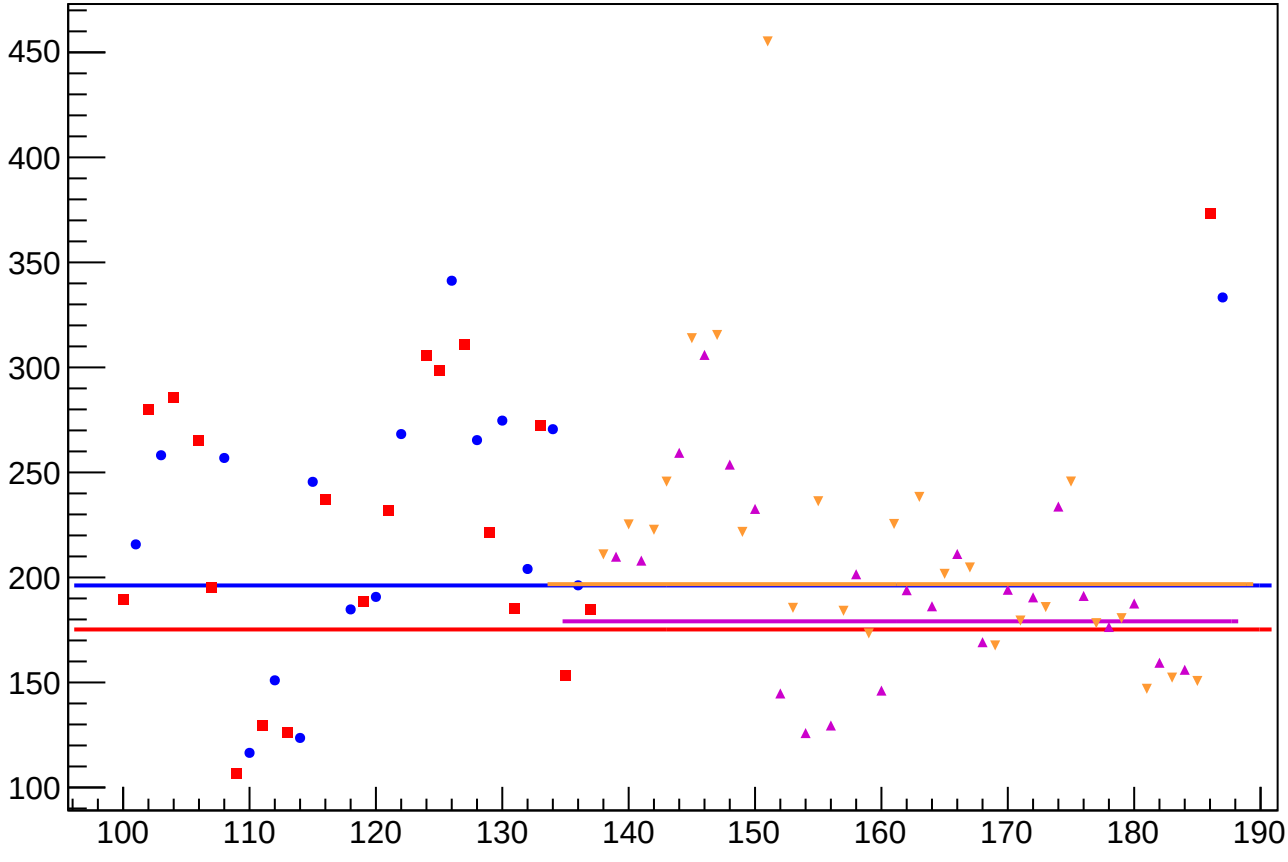
Right: -94.325+/-50.733 χ^2/NDF: 30.4/36

In: 74.778+/-37.935 χ^2/NDF:27.8/39

Out: 57.935+/-38.314 χ^2/NDF:36.6/44

All: 66.440+/-26.957 χ^2/NDF: 64.4/84

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 196.185+/-0.054 χ^2/NDF: 1103611.5/16

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 175.230+/-0.048 χ^2/NDF: 1875146.5/19

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

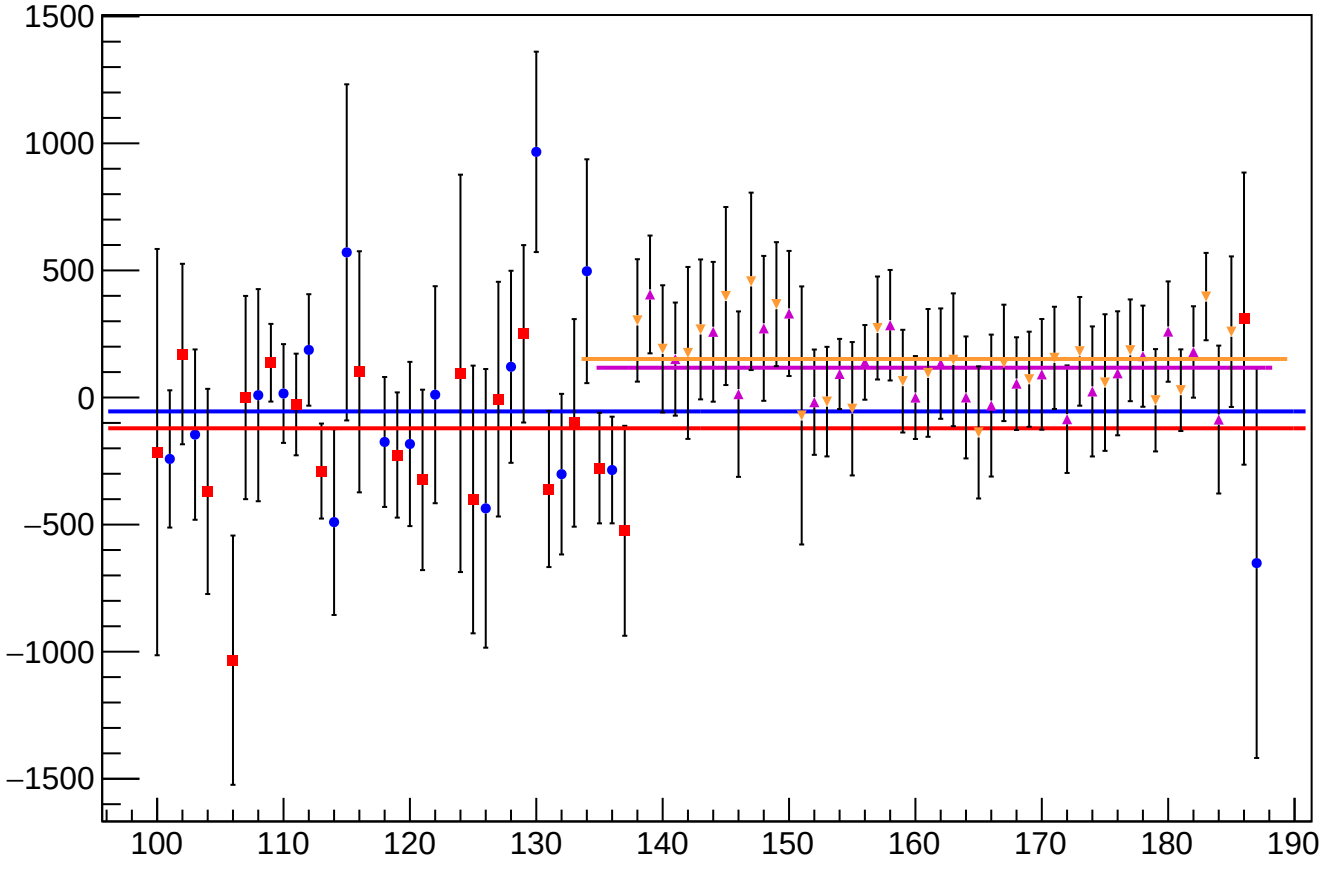
Right: 184.519+/-0.036 χ^2/NDF: 3062964.3/36

In: 183.335+/-0.027 χ^2/NDF:2835098.3/39

Out: 189.955+/-0.027 χ^2/NDF:3821185.8/44

All: 186.612+/-0.019 χ^2/NDF: 6686430.3/84

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -54.703+/-76.213 χ^2/NDF: 16.0/16

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -121.116+/-68.024 χ^2/NDF: 13.4/19

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

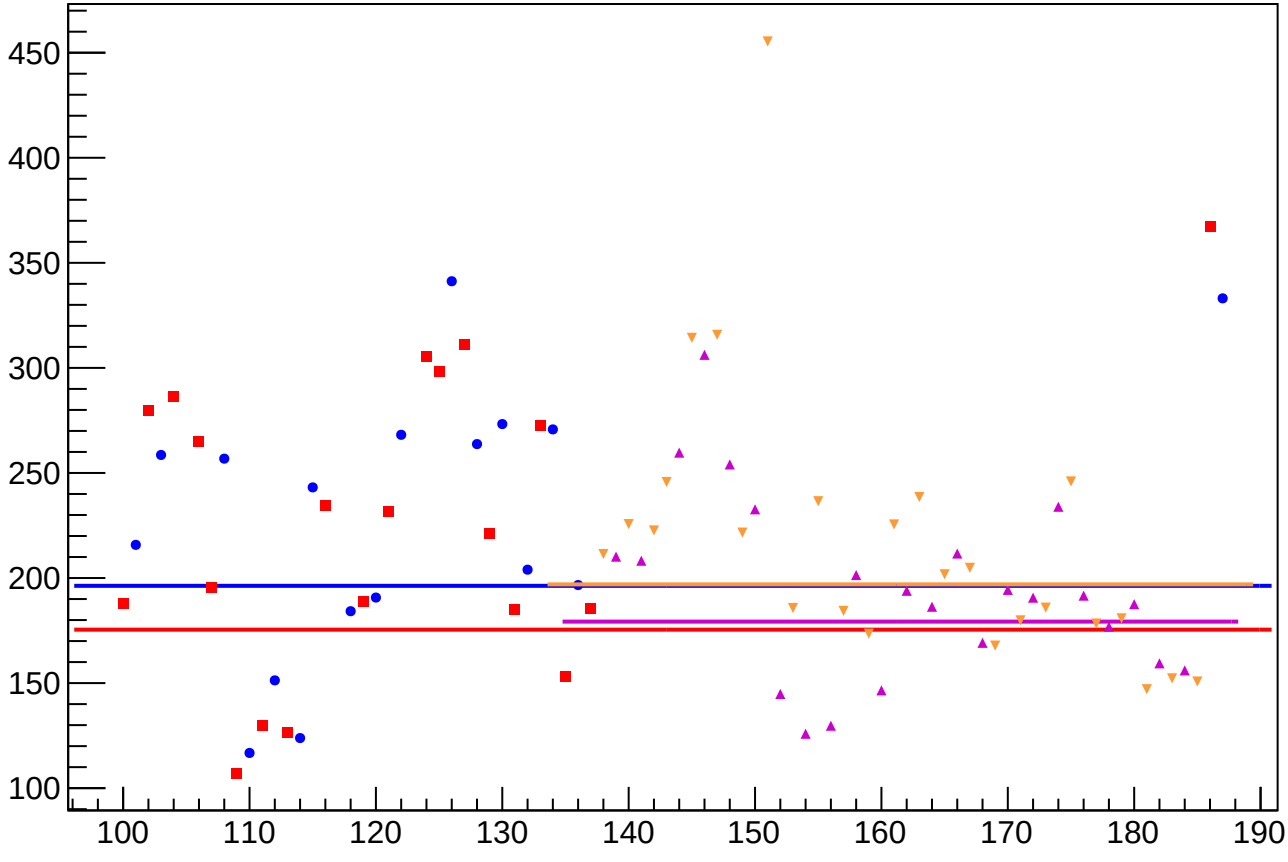
Right: -91.668+/-50.749 χ^2/NDF: 29.9/36

In: 74.524+/-37.961 χ^2/NDF:27.3/39

Out: 64.954+/-38.342 χ^2/NDF:34.0/44

All: 69.787+/-26.976 χ^2/NDF: 61.4/84

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 196.288+/-0.054 χ^2/NDF: 1093210.3/16

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 175.433+/-0.048 χ^2/NDF: 1857852.9/19

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

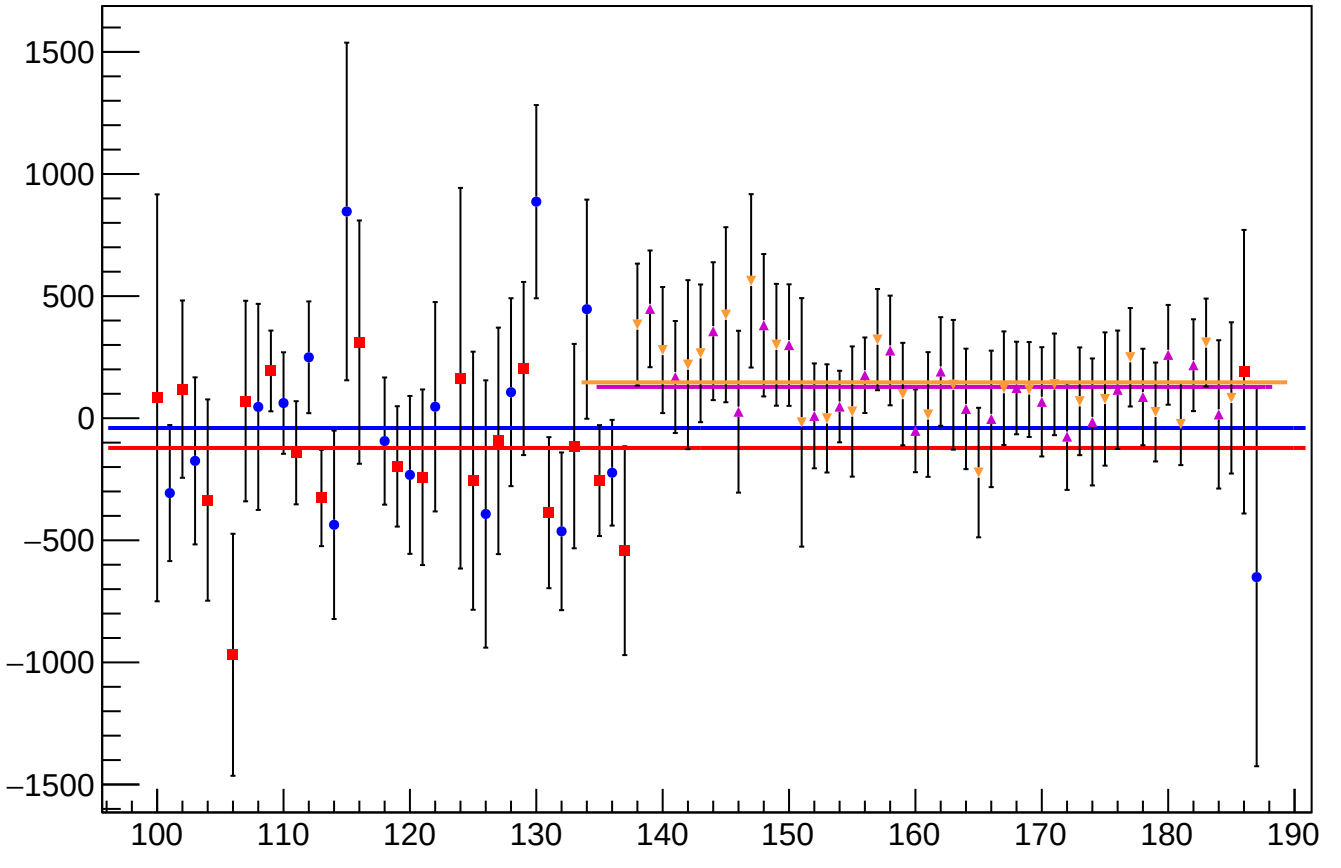
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 184.680+/-0.036 χ^2/NDF: 3034416.3/36

In: 183.481+/-0.027 χ^2/NDF:2824337.2/39

Out: 190.131+/-0.027 χ^2/NDF:3804013.8/44

All: 186.773+/-0.019 χ^2/NDF: 6658728.4/84



Right In: -40.083+/-78.588 χ^2/NDF: 16.4/16

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -121.854+/-70.777 χ^2/NDF: 13.0/19

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

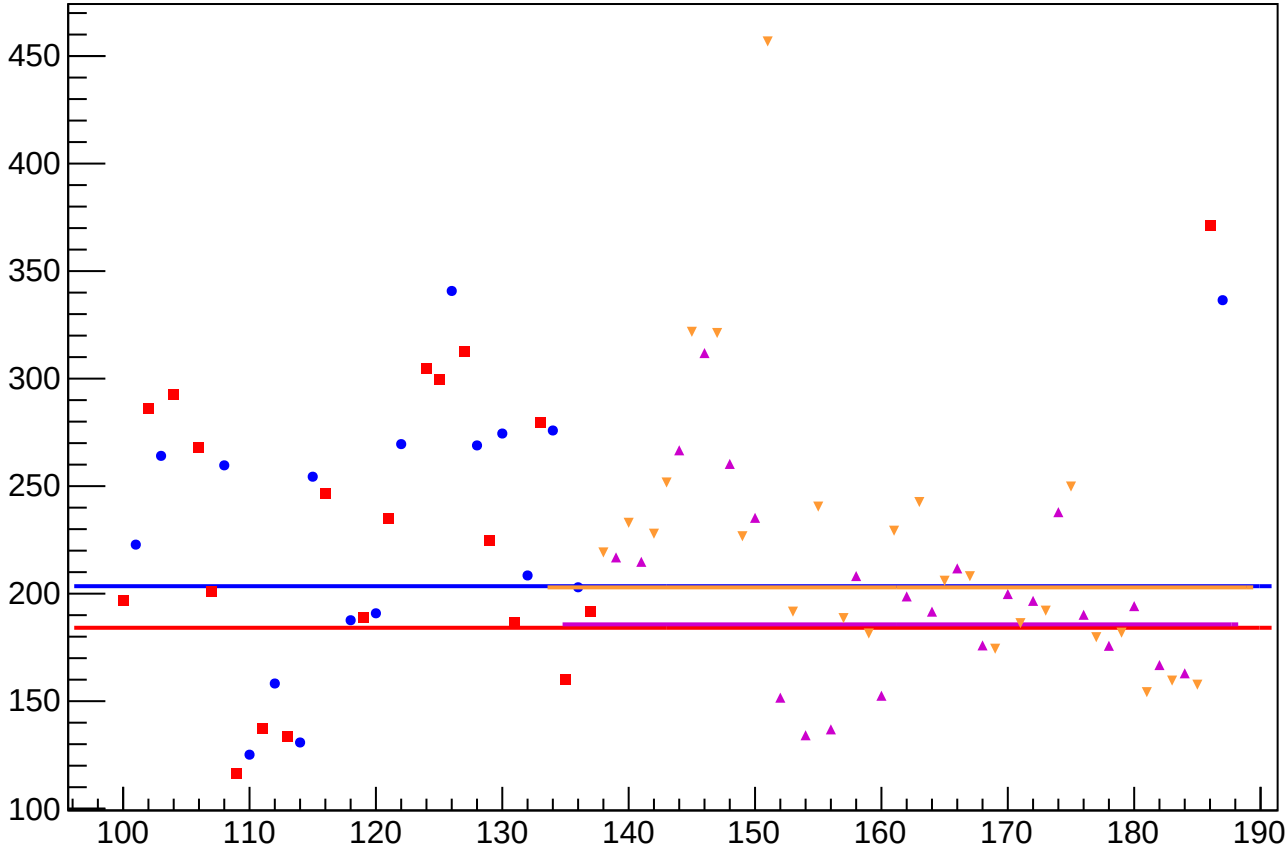
Right: -85.233+/-52.592 χ^2/NDF: 29.9/36

In: 86.339+/-39.182 χ^2/NDF:28.4/39

Out: 62.987+/-39.560 χ^2/NDF:33.1/44

All: 74.775+/-27.839 χ^2/NDF: 61.6/84

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 203.474+/-0.056 χ^2/NDF: 969849.4/16

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 184.136+/-0.050 χ^2/NDF: 1652043.2/19

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

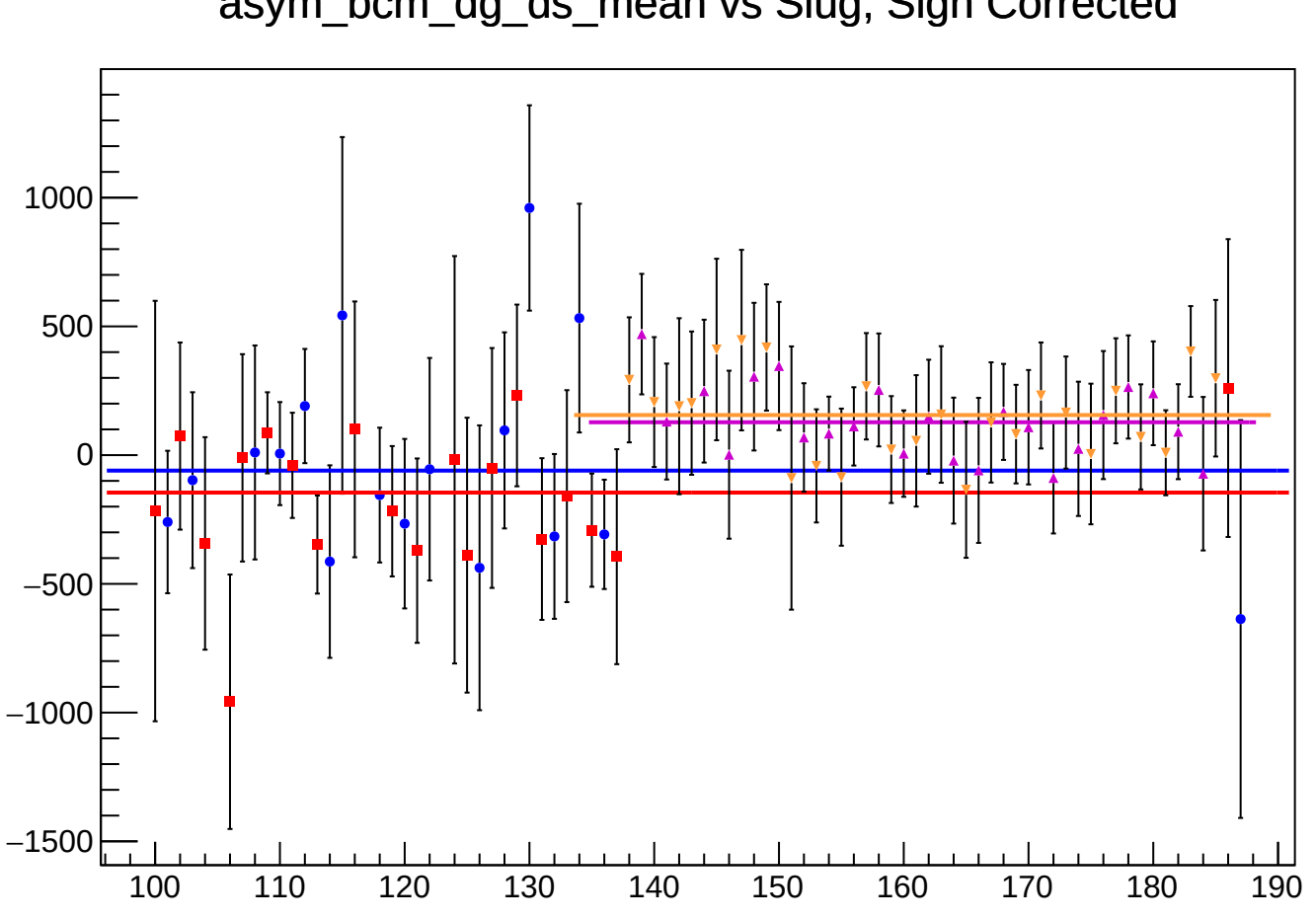
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 192.796+/-0.037 χ^2/NDF: 2688757.1/36

In: 190.130+/-0.028 χ^2/NDF:2536069.6/39

Out: 197.052+/-0.028 χ^2/NDF:3449023.7/44

All: 193.558+/-0.020 χ^2/NDF: 6016000.5/84



Right In: -60.124+/-77.552 χ^2/NDF: 15.6/16

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -145.429+/-69.397 χ^2/NDF: 10.7/19

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

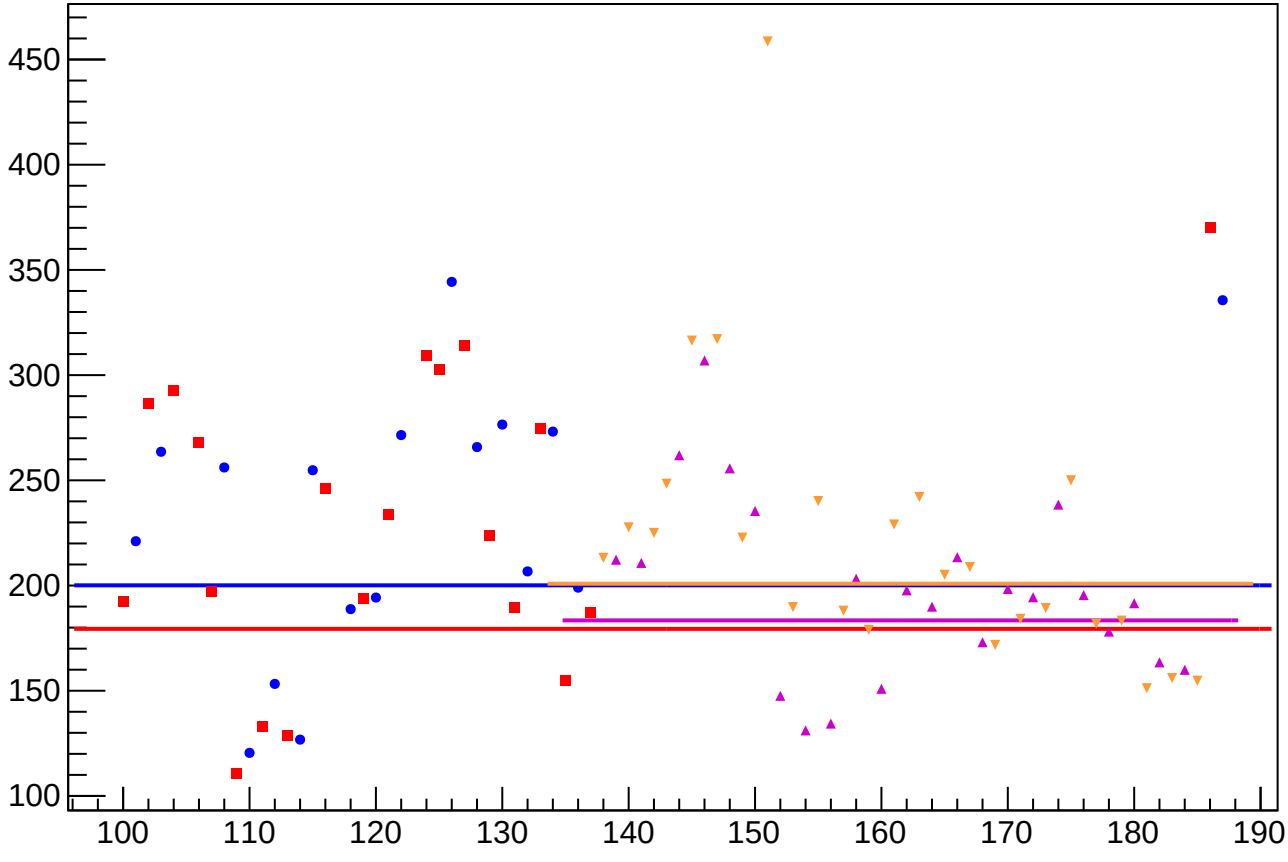
Right: -107.496+/-51.715 χ^2/NDF: 27.0/36

In: 80.835+/-38.726 χ^2/NDF:28.0/39

Out: 60.246+/-39.064 χ^2/NDF:34.2/44

All: 70.629+/-27.502 χ^2/NDF: 62.4/84

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 200.098+/-0.055 χ^2/NDF: 1056224.8/16

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 179.407+/-0.049 χ^2/NDF: 1816382.0/19

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

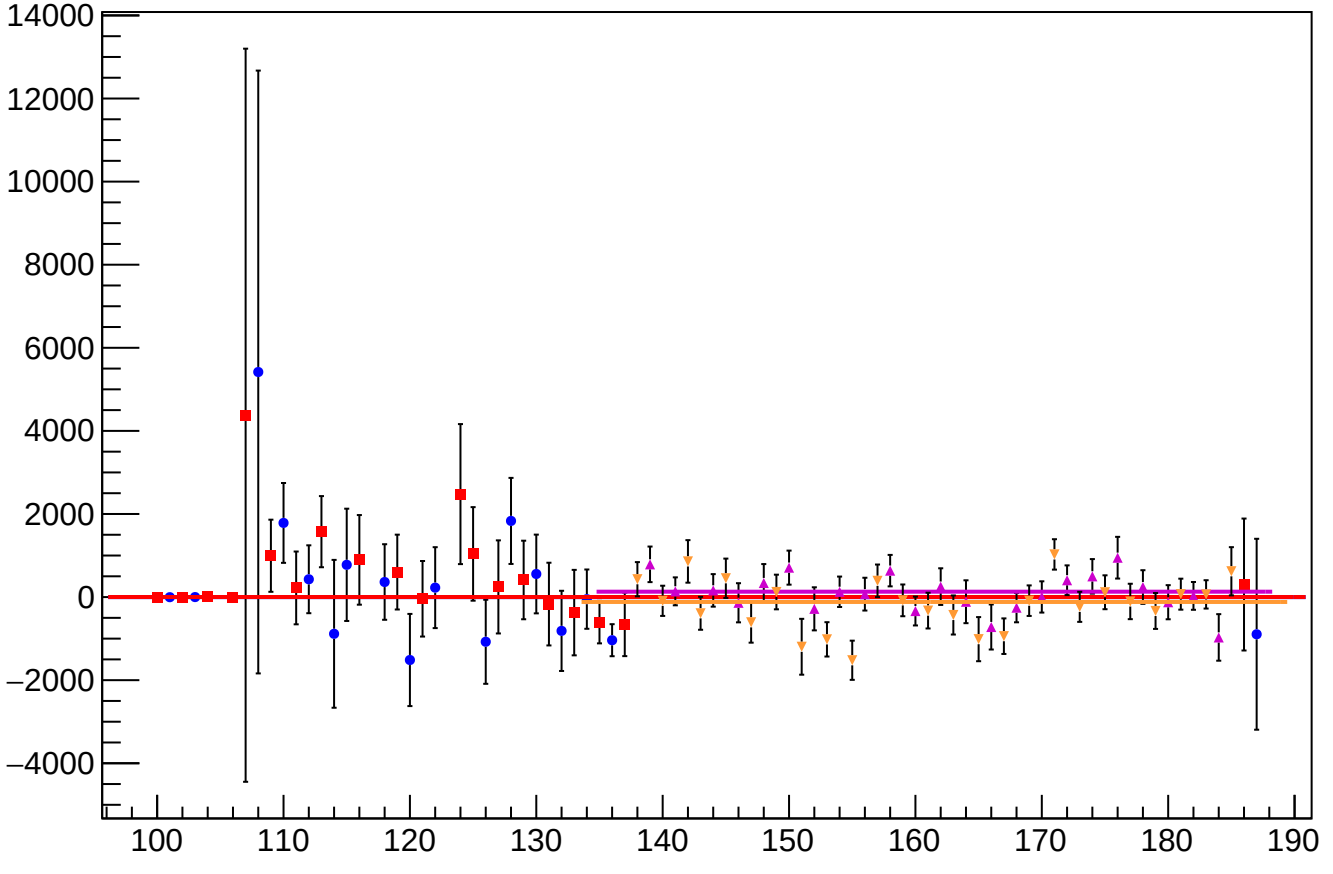
Right: 188.608+/-0.037 χ^2/NDF: 2951662.2/36

In: 187.589+/-0.027 χ^2/NDF:2656224.5/39

Out: 194.066+/-0.028 χ^2/NDF:3674404.8/44

All: 190.799+/-0.019 χ^2/NDF: 6358358.2/84

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.240+/-2.171 χ^2/NDF: 20.1/16

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.378+/-2.022 χ^2/NDF: 16.9/19

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

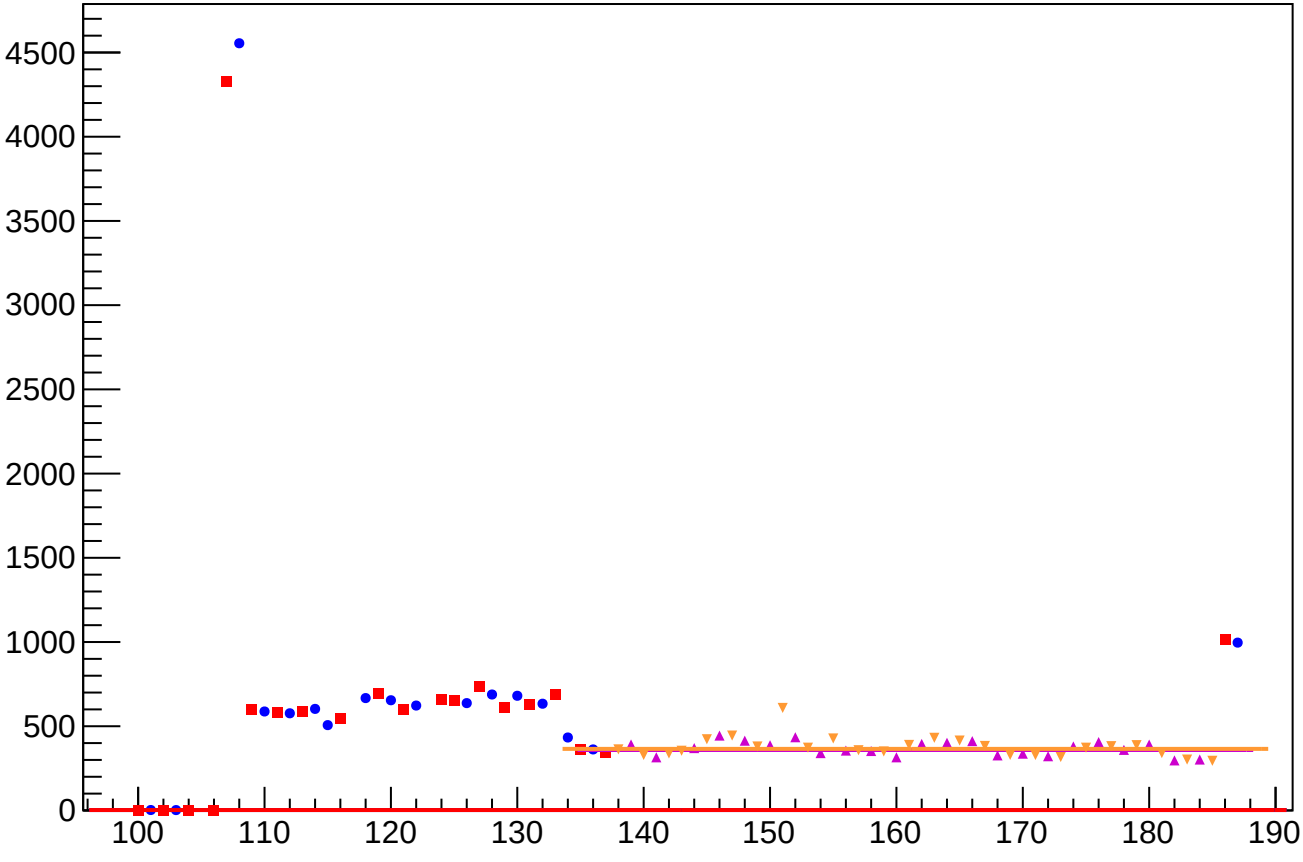
Right: 0.162+/-1.480 χ^2/NDF: 37.7/36

In: -1.154+/-2.170 χ^2/NDF:44.1/39

Out: 1.309+/-2.022 χ^2/NDF:65.3/44

All: 0.164+/-1.479 χ^2/NDF: 110.0/84

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.478+/-0.002 χ^2/NDF: 12000454.3/16

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.464+/-0.001 χ^2/NDF: 12354568.2/19

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

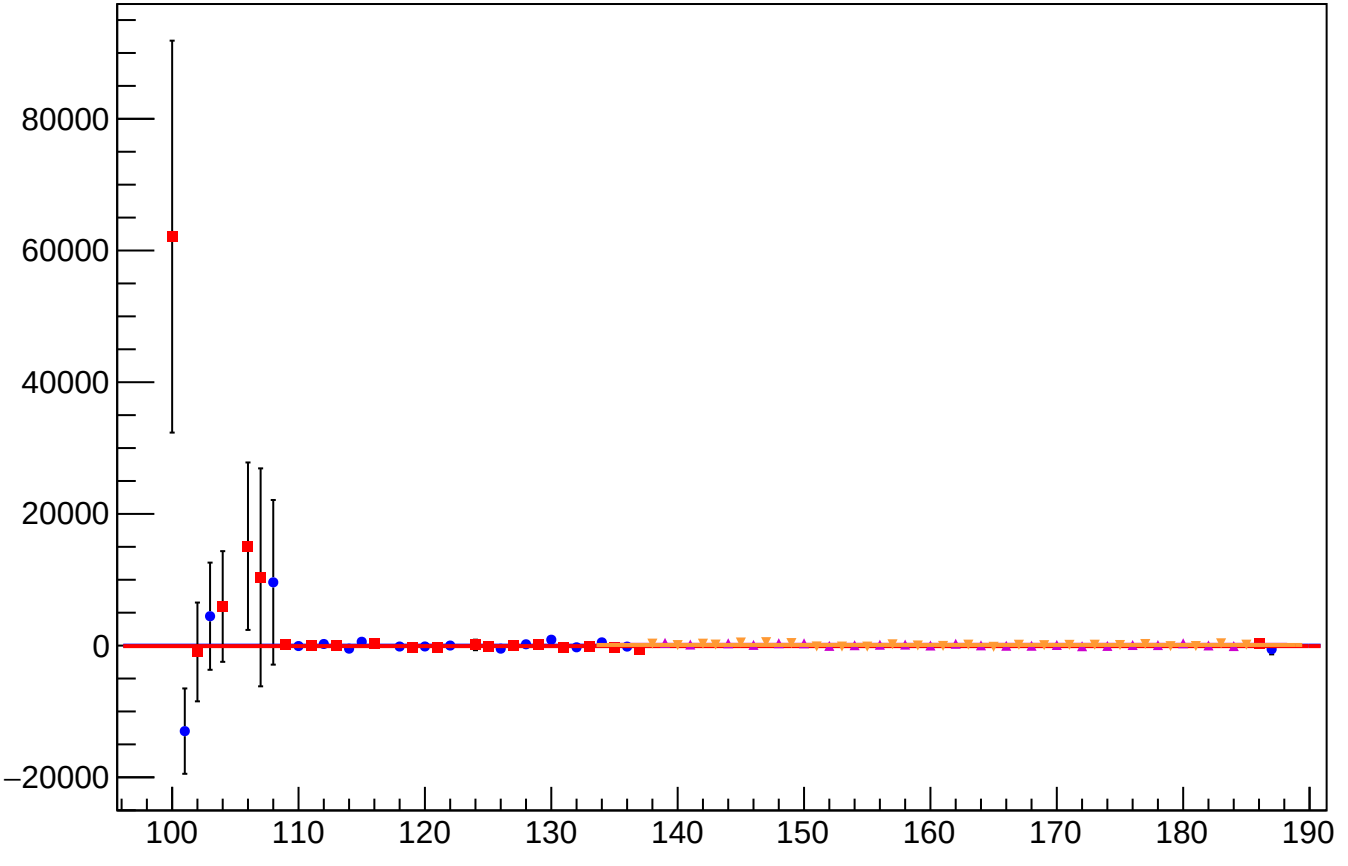
Right: 2.470+/-0.001 χ^2/NDF: 24355065.7/36

In: 2.710+/-0.002 χ^2/NDF:47552509.6/39

Out: 2.673+/-0.001 χ^2/NDF:50195403.8/44

All: 2.690+/-0.001 χ^2/NDF: 97748215.3/84

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -6.198+/-87.277 χ^2/NDF: 17.3/16

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -79.945+/-80.809 χ^2/NDF: 15.4/19

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

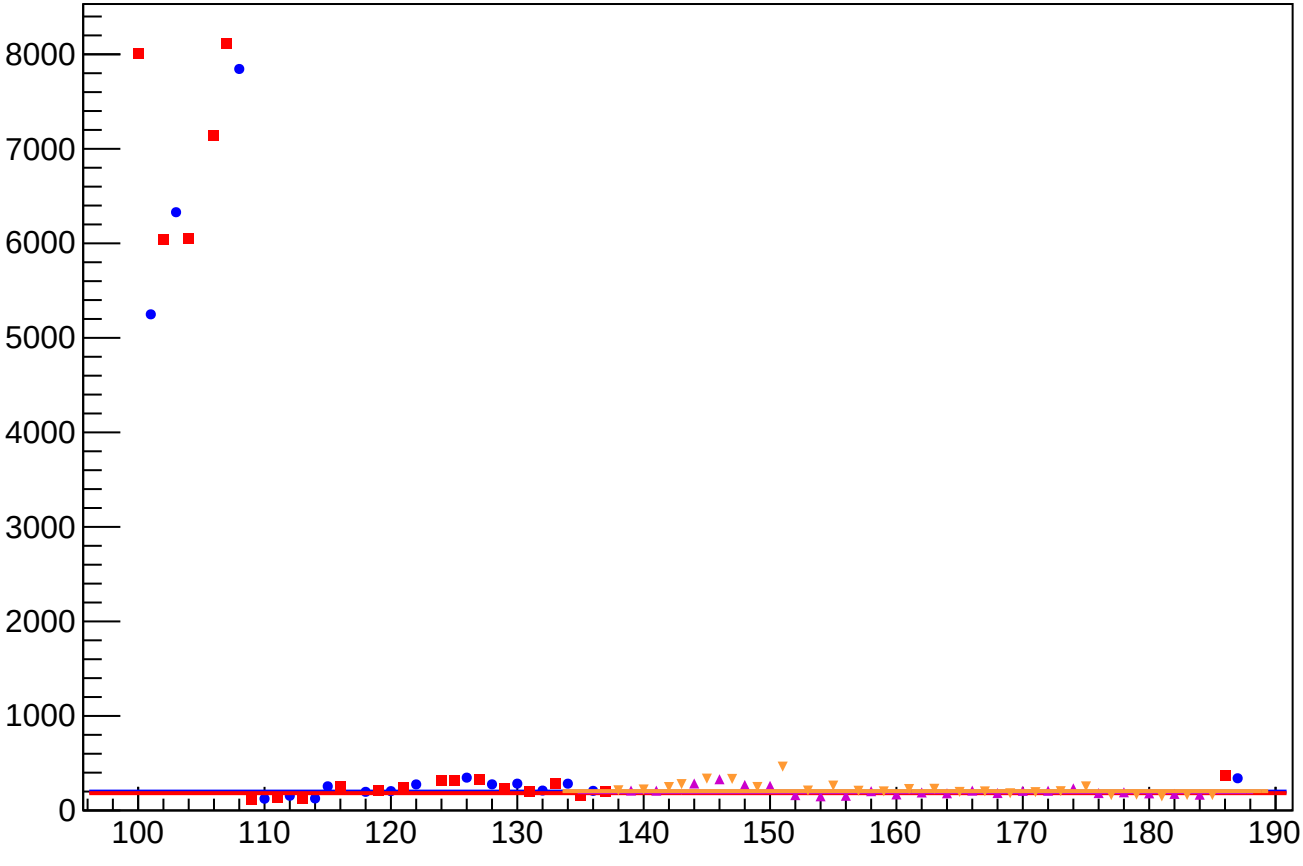
Right: -45.905+/-59.295 χ^2/NDF: 33.1/36

In: 91.162+/-41.352 χ^2/NDF:28.2/39

Out: 52.413+/-41.427 χ^2/NDF:31.8/44

All: 71.823+/-29.267 χ^2/NDF: 60.4/84

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 199.392+/-0.062 χ^2/NDF: 4022867.9/16

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 182.973+/-0.057 χ^2/NDF: 4632825.1/19

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

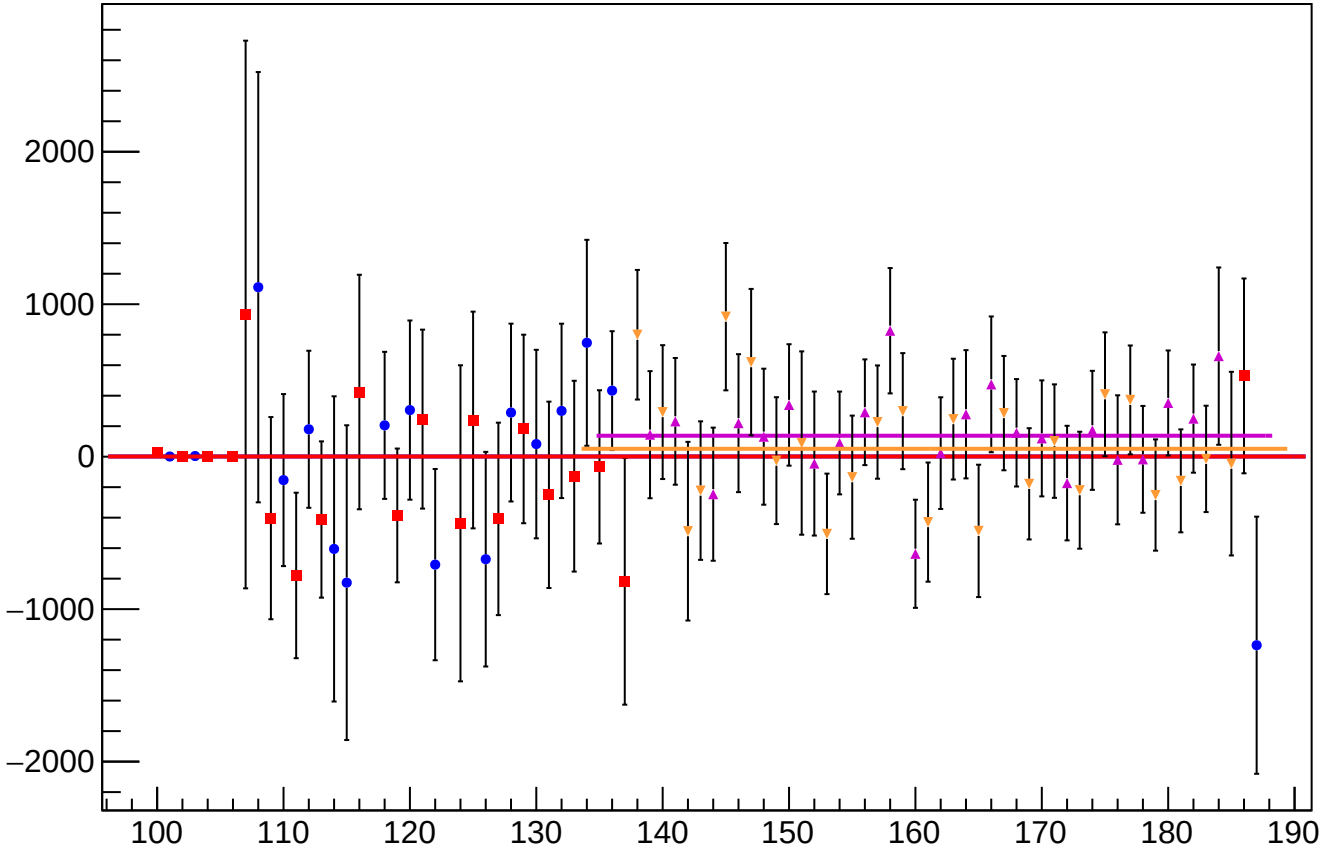
Right: 190.552+/-0.042 χ^2/NDF: 8693801.9/36

In: 195.129+/-0.029 χ^2/NDF:5220608.7/39

Out: 198.902+/-0.029 χ^2/NDF:6713358.4/44

All: 197.012+/-0.021 χ^2/NDF: 11942277.1/84

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.451+/-1.660 χ^2/NDF: 10.0/16

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.097+/-1.528 χ^2/NDF: 9.8/19

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

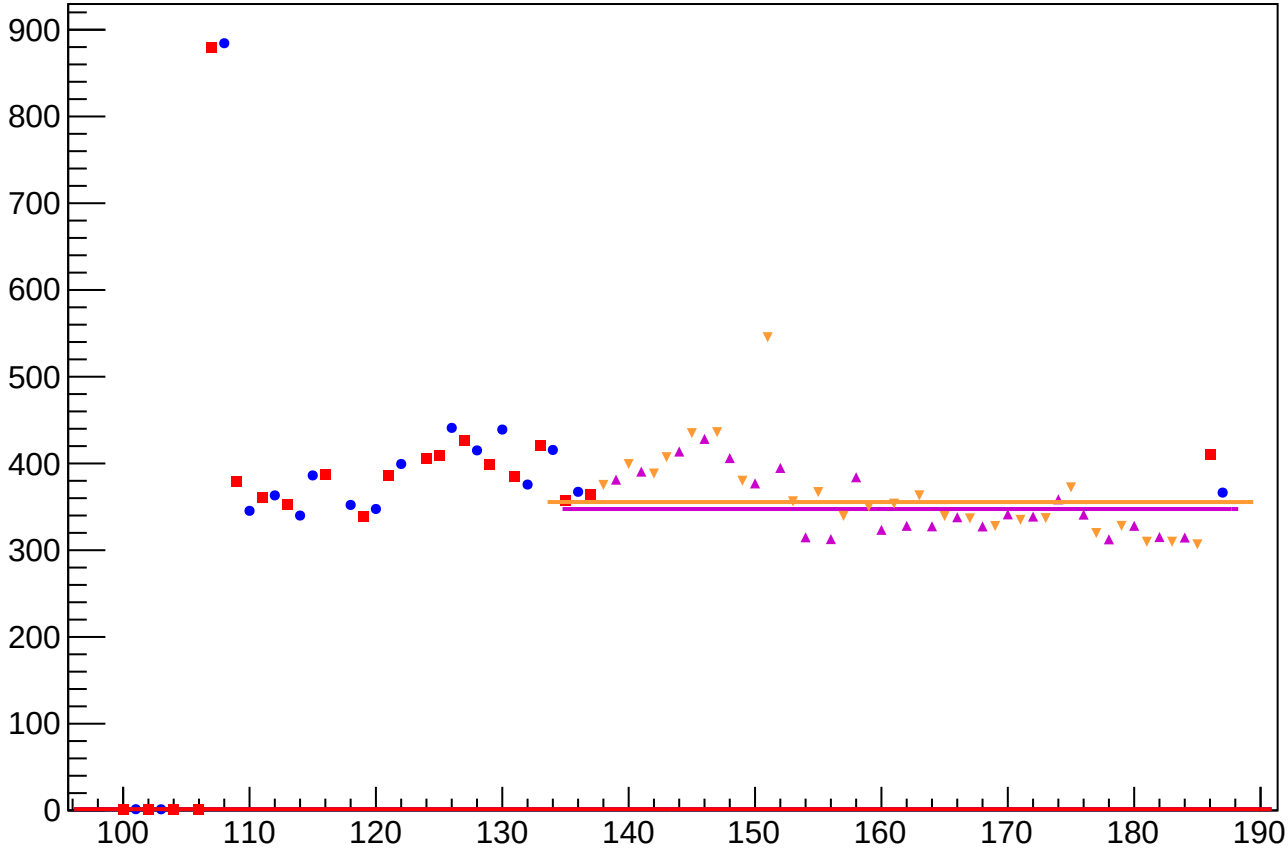
Right: 1.259+/-1.124 χ^2/NDF: 19.9/36

In: 1.506+/-1.660 χ^2/NDF:24.9/39

Out: 1.114+/-1.528 χ^2/NDF:29.7/44

All: 1.294+/-1.124 χ^2/NDF: 54.6/84

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.472+/-0.001 χ^2/NDF: 12109897.2/16

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.469+/-0.001 χ^2/NDF: 12087170.6/19

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

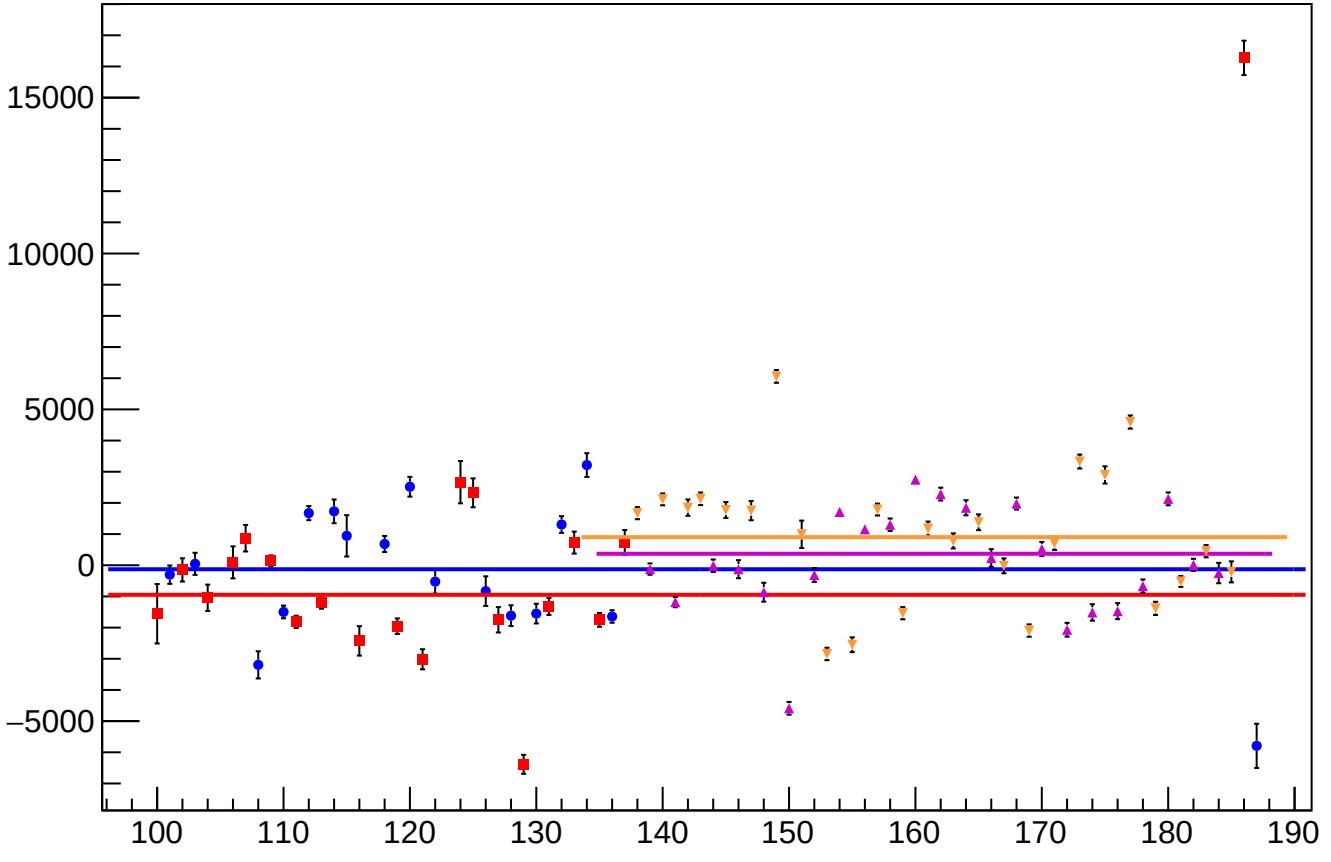
Right: 1.470+/-0.001 χ^2/NDF: 24197069.5/36

In: 1.613+/-0.001 χ^2/NDF:47954881.6/39

Out: 1.594+/-0.001 χ^2/NDF:50298970.3/44

All: 1.603+/-0.001 χ^2/NDF: 98253998.3/84

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -128.154+/-74.481 χ^2/NDF: 534.0/16

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -948.187+/-68.488 χ^2/NDF: 1584.8/19

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

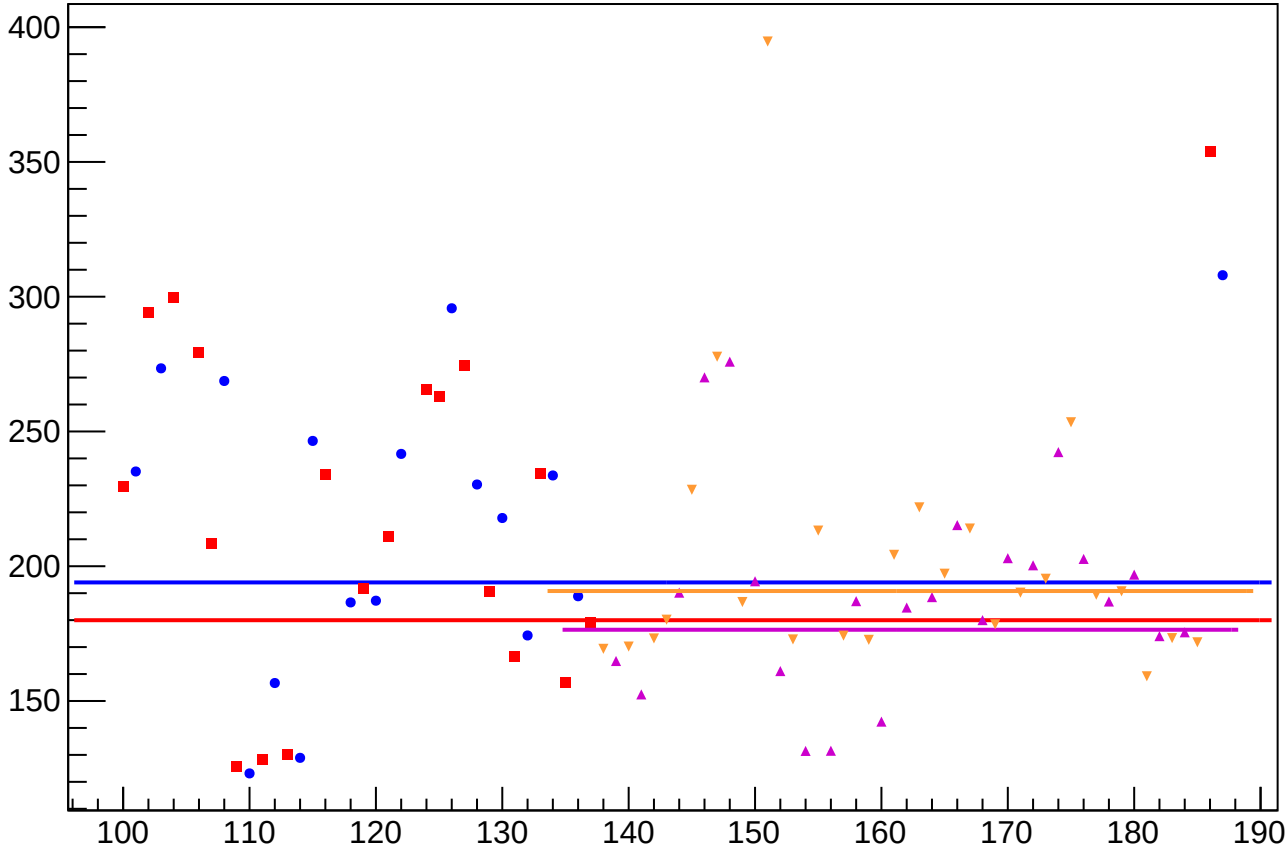
Right: -572.483+/-50.414 χ^2/NDF: 2184.5/36

In: 245.458+/-37.044 χ^2/NDF:2160.4/39

Out: 352.732+/-37.304 χ^2/NDF:4508.8/44

All: 298.720+/-26.285 χ^2/NDF: 6673.3/84

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 193.990+/-0.053 χ^2/NDF: 811379.1/16

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 179.972+/-0.048 χ^2/NDF: 1427741.7/19

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

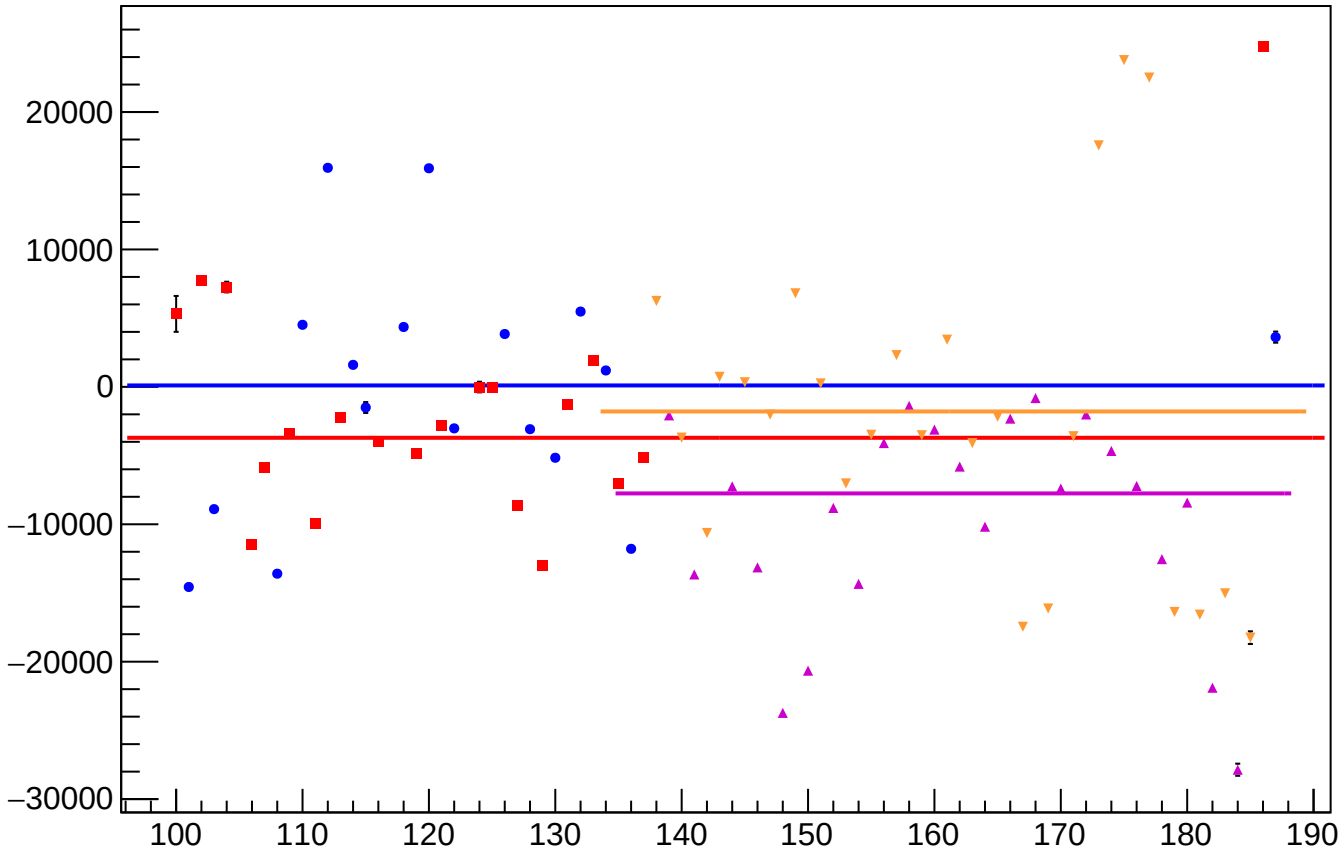
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 186.394+/-0.036 χ^2/NDF: 2277510.2/36

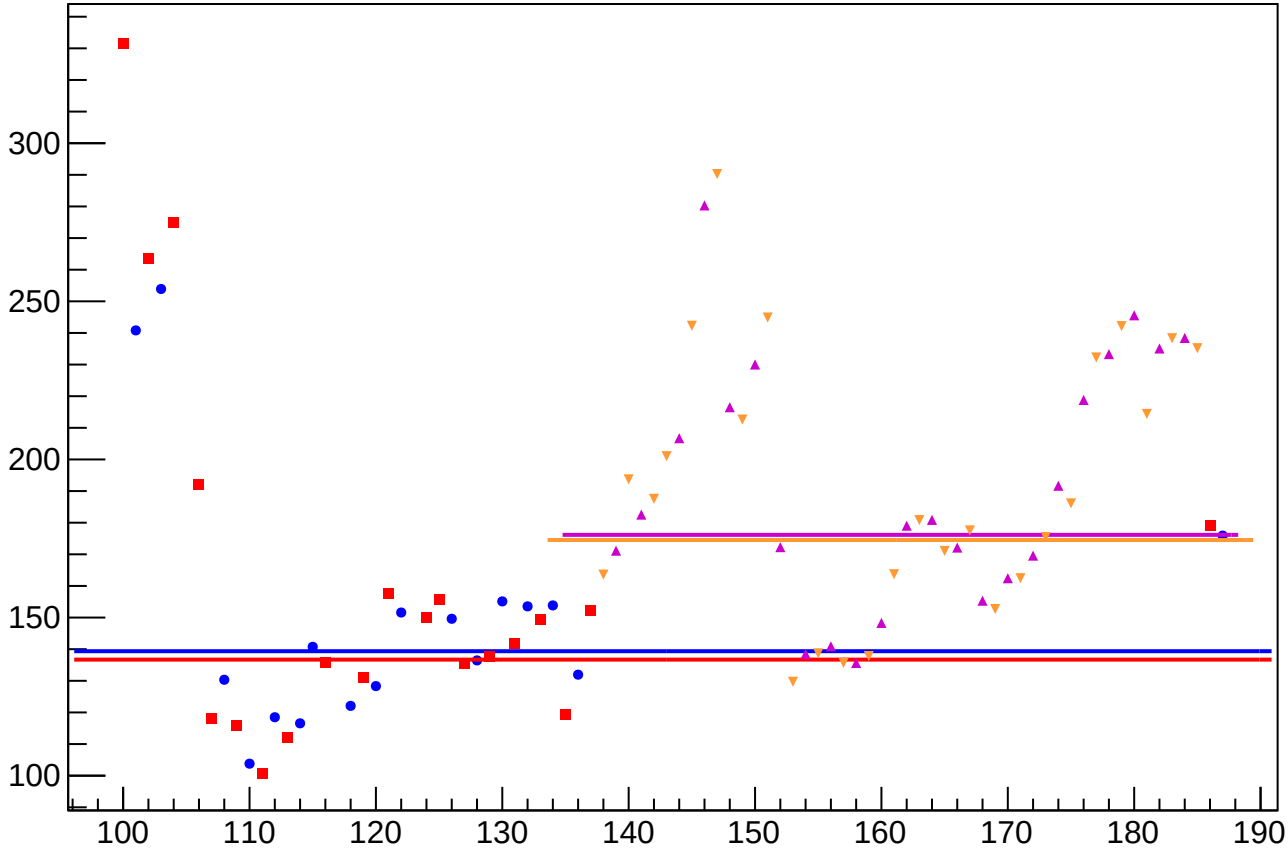
In: 180.775+/-0.026 χ^2/NDF:2152699.3/39

Out: 187.588+/-0.026 χ^2/NDF:2482508.5/44

All: 184.158+/-0.019 χ^2/NDF: 4668801.5/84


asym_bpm0i02WS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 103.776+/-53.721 χ²/NDF: 30862.9/16
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: -3705.891+/-51.218 χ²/NDF: 18474.1/19
Left In: -7754.468+/-42.571 χ²/NDF:23278.0/22
Left: -4653.749+/-29.498 χ²/NDF: 99228.2/47
Right: -1891.869+/-37.070 χ²/NDF: 51971.4/36
In: -4723.202+/-33.365 χ²/NDF:67284.7/39
Out: -2536.413+/-31.965 χ²/NDF:85074.0/44
All: -3582.965+/-23.082 χ²/NDF: 154598.5/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 139.365+/-0.038 χ^2/NDF: 674344.4/16

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 136.705+/-0.036 χ^2/NDF: 937076.9/19

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

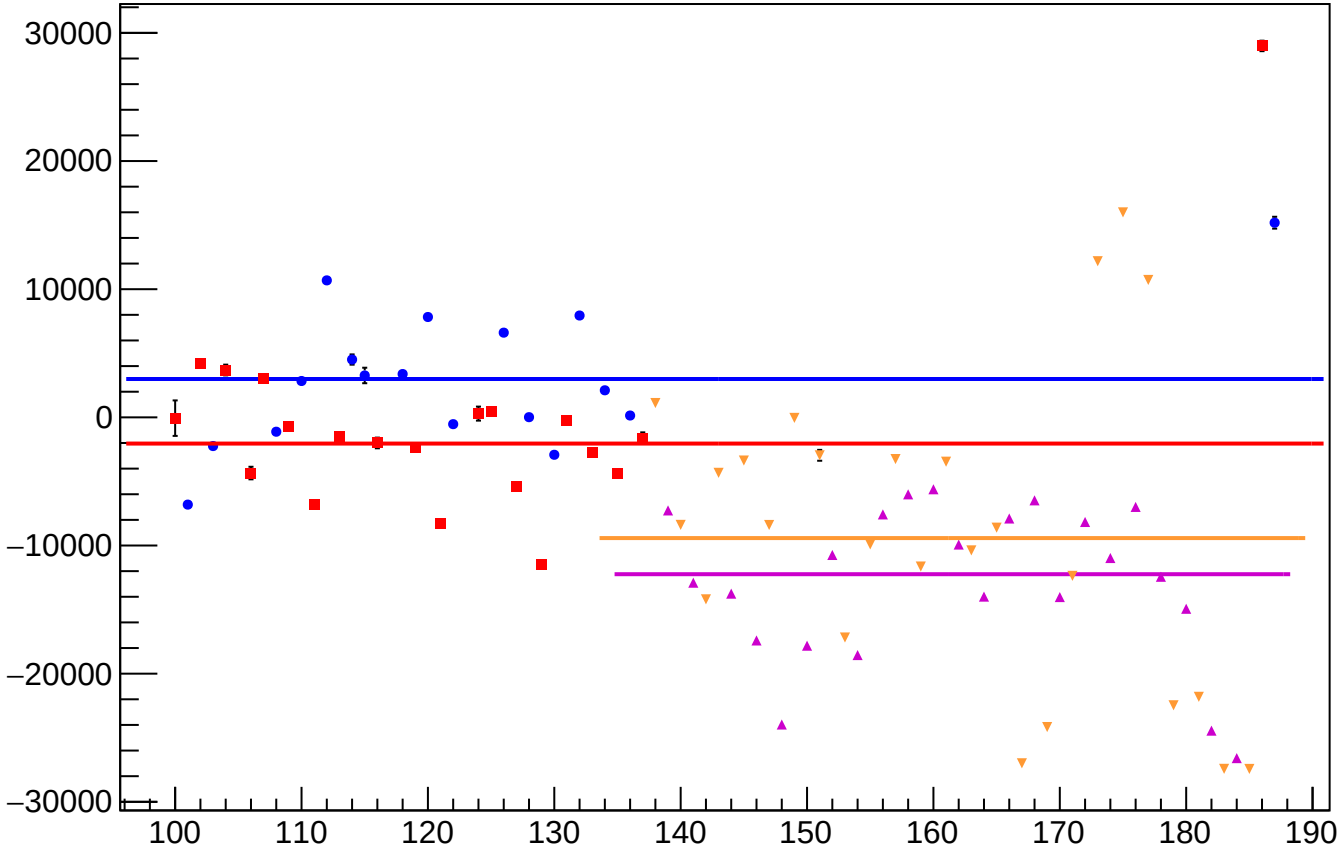
Right: 137.972+/-0.026 χ^2/NDF: 1613990.0/36

In: 161.963+/-0.024 χ^2/NDF:2617554.9/39

Out: 159.792+/-0.023 χ^2/NDF:3262135.0/44

All: 160.831+/-0.016 χ^2/NDF: 5884108.3/84

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2992.782+/-68.485 χ^2/NDF: 4838.9/16

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -2045.788+/-64.052 χ^2/NDF: 8946.0/19

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

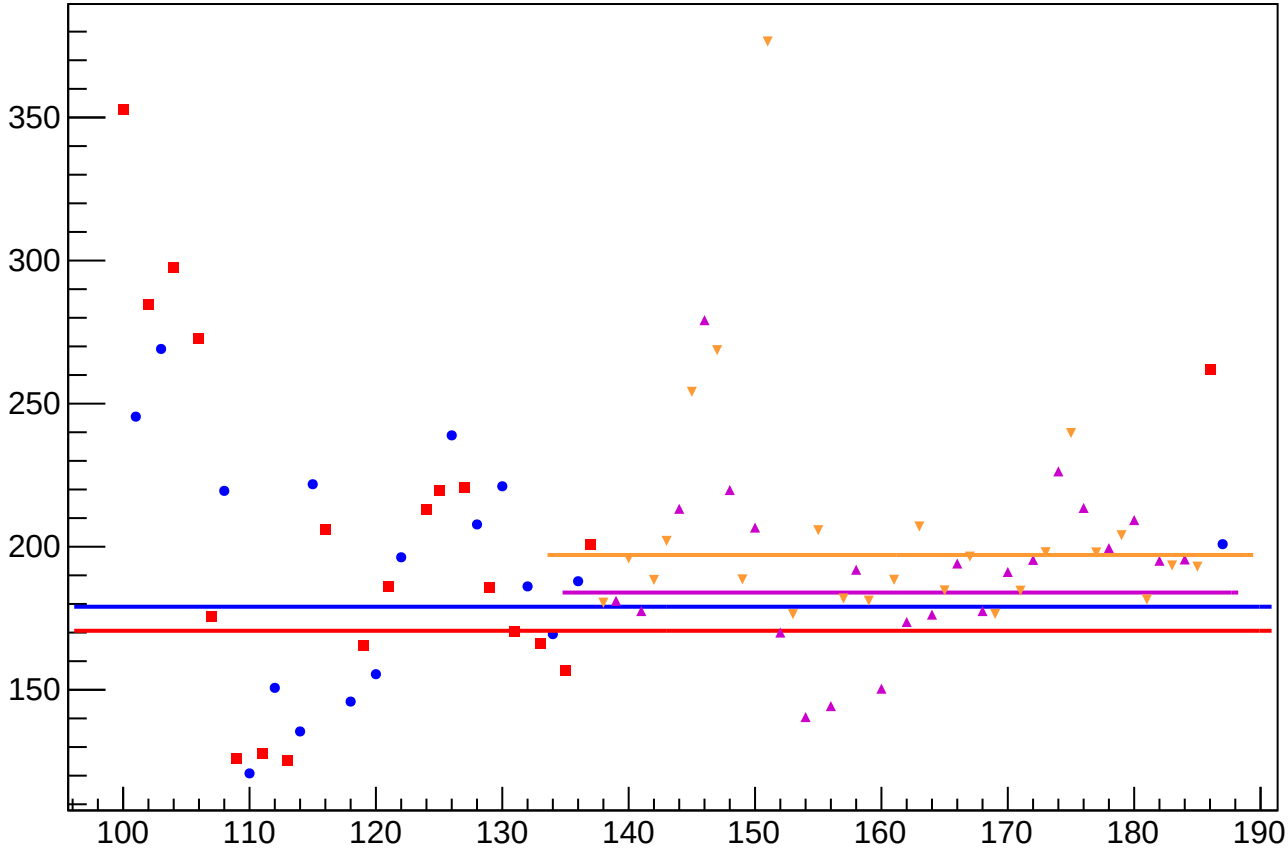
Right: 305.167+/-46.780 χ^2/NDF: 16672.1/36

In: -7760.528+/-37.134 χ^2/NDF:55776.2/39

Out: -6932.701+/-37.201 χ^2/NDF:82449.1/44

All: -7347.355+/-26.281 χ^2/NDF: 138473.3/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 179.030+/-0.048 χ^2/NDF: 679126.7/16

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.626+/-0.045 χ^2/NDF: 1081569.4/19

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

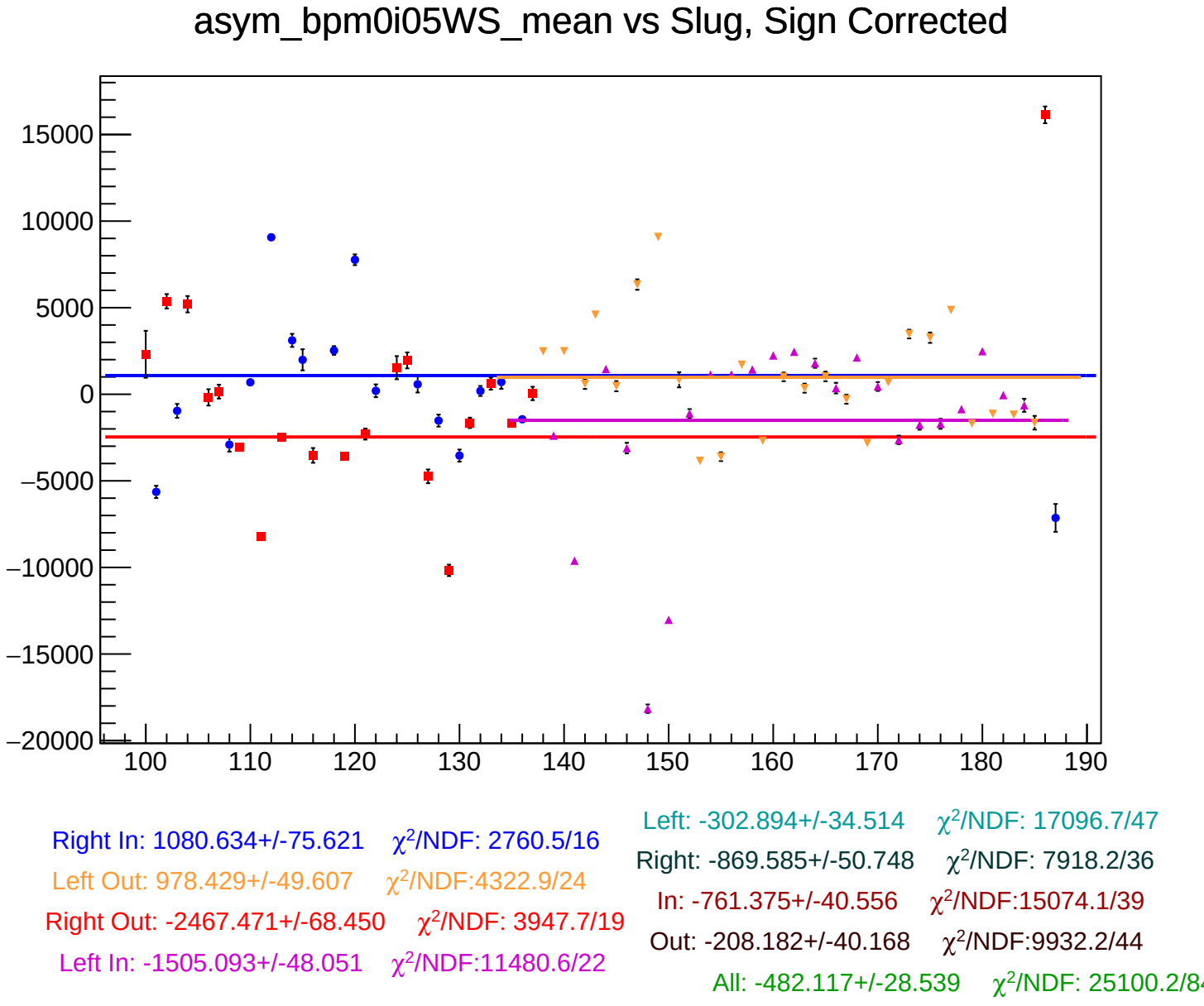
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.547+/-0.033 χ^2/NDF: 1776761.8/36

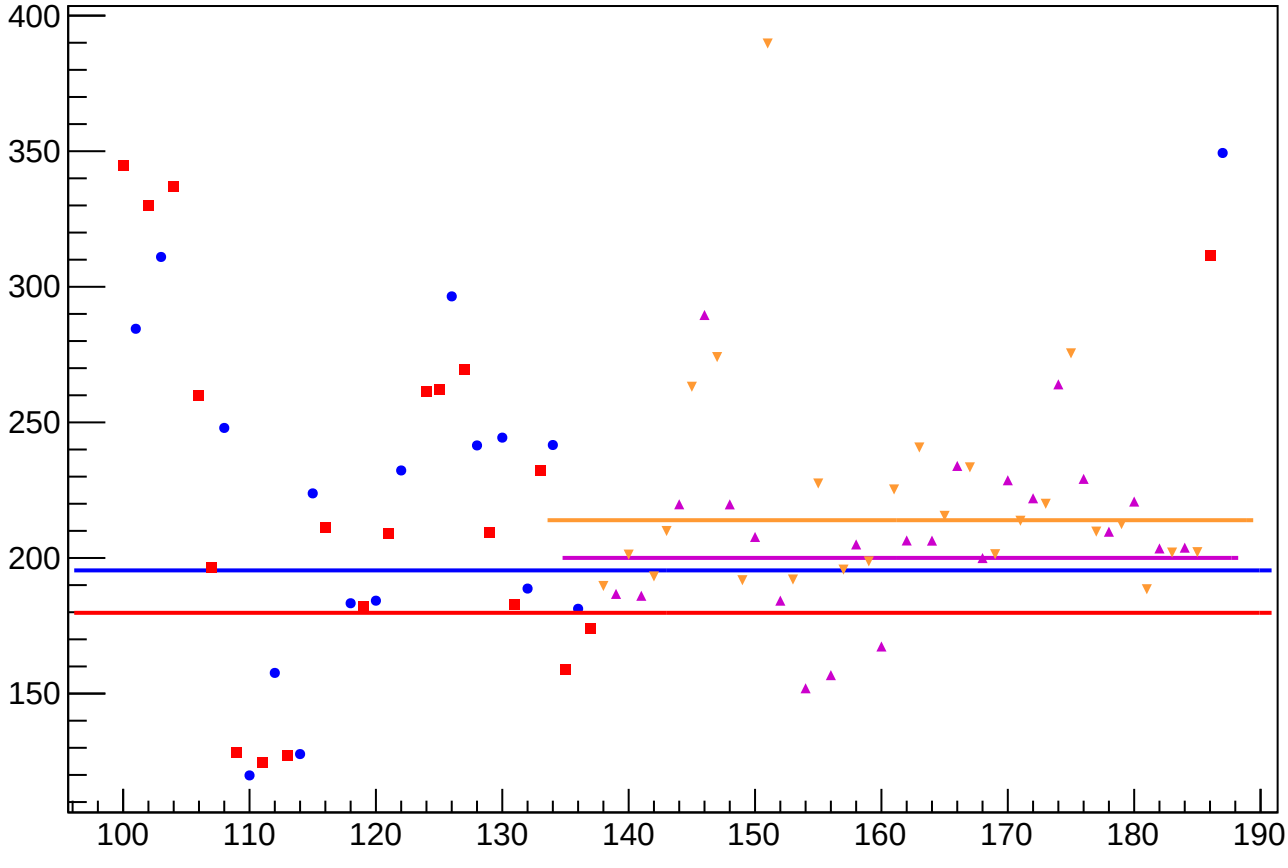
In: 182.529+/-0.026 χ^2/NDF:1516296.9/39

Out: 188.185+/-0.026 χ^2/NDF:2040900.1/44

All: 185.352+/-0.019 χ^2/NDF: 3580356.2/84


asym_bpm0i05WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1080.634+/-75.621 χ²/NDF: 2760.5/16
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -2467.471+/-68.450 χ²/NDF: 3947.7/19
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -869.585+/-50.748 χ²/NDF: 7918.2/36
In: -761.375+/-40.556 χ²/NDF:15074.1/39
Out: -208.182+/-40.168 χ²/NDF:9932.2/44
All: -482.117+/-28.539 χ²/NDF: 25100.2/84

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 195.423+/-0.053 χ^2/NDF: 1039563.9/16

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 179.780+/-0.048 χ^2/NDF: 1509152.2/19

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

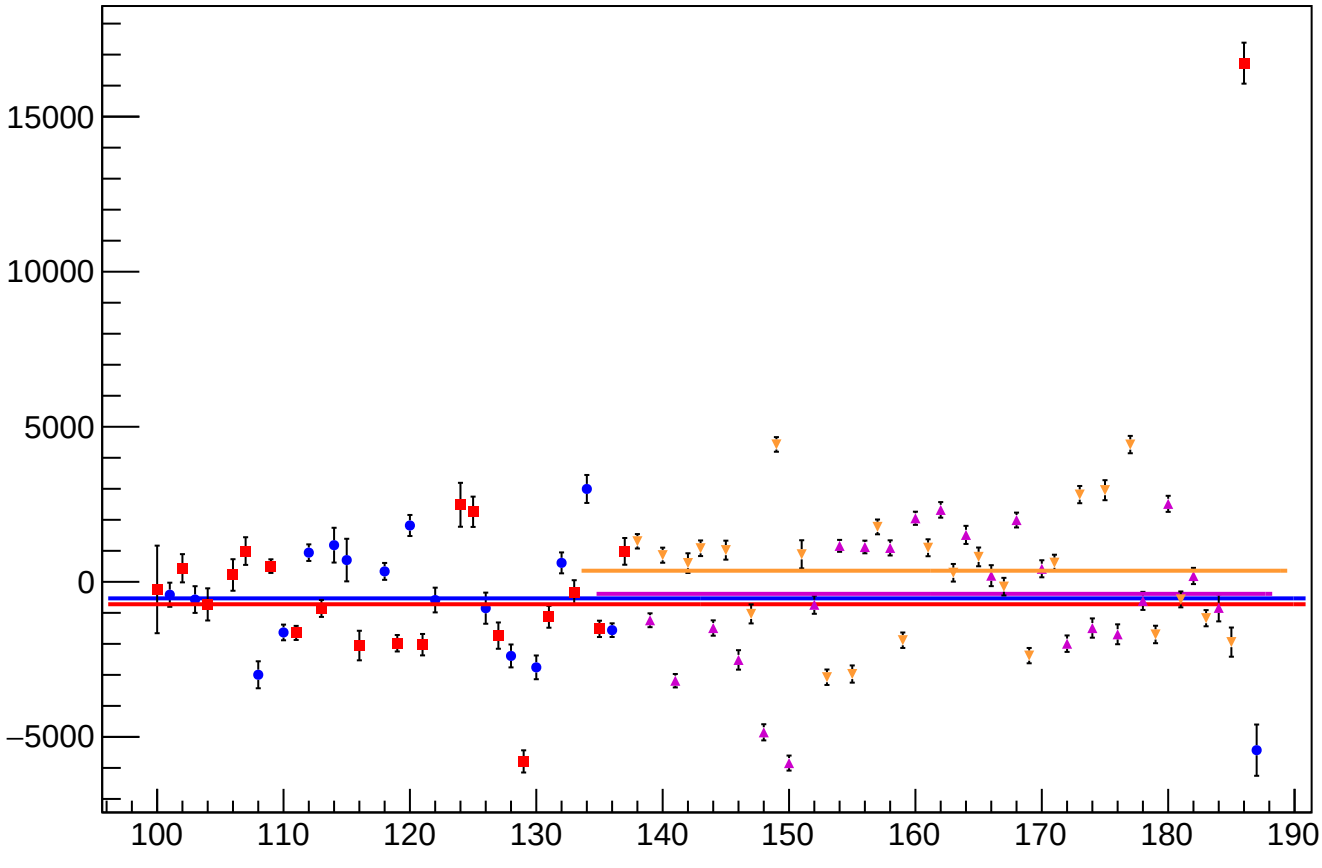
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 186.825+/-0.036 χ^2/NDF: 2595759.5/36

In: 198.705+/-0.029 χ^2/NDF:1830377.8/39

Out: 202.171+/-0.028 χ^2/NDF:2569202.5/44

All: 200.455+/-0.020 χ^2/NDF: 4406952.4/84



Right In: -533.128+/-86.212 χ^2/NDF: 340.9/16

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -722.616+/-80.345 χ^2/NDF: 1105.9/19

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

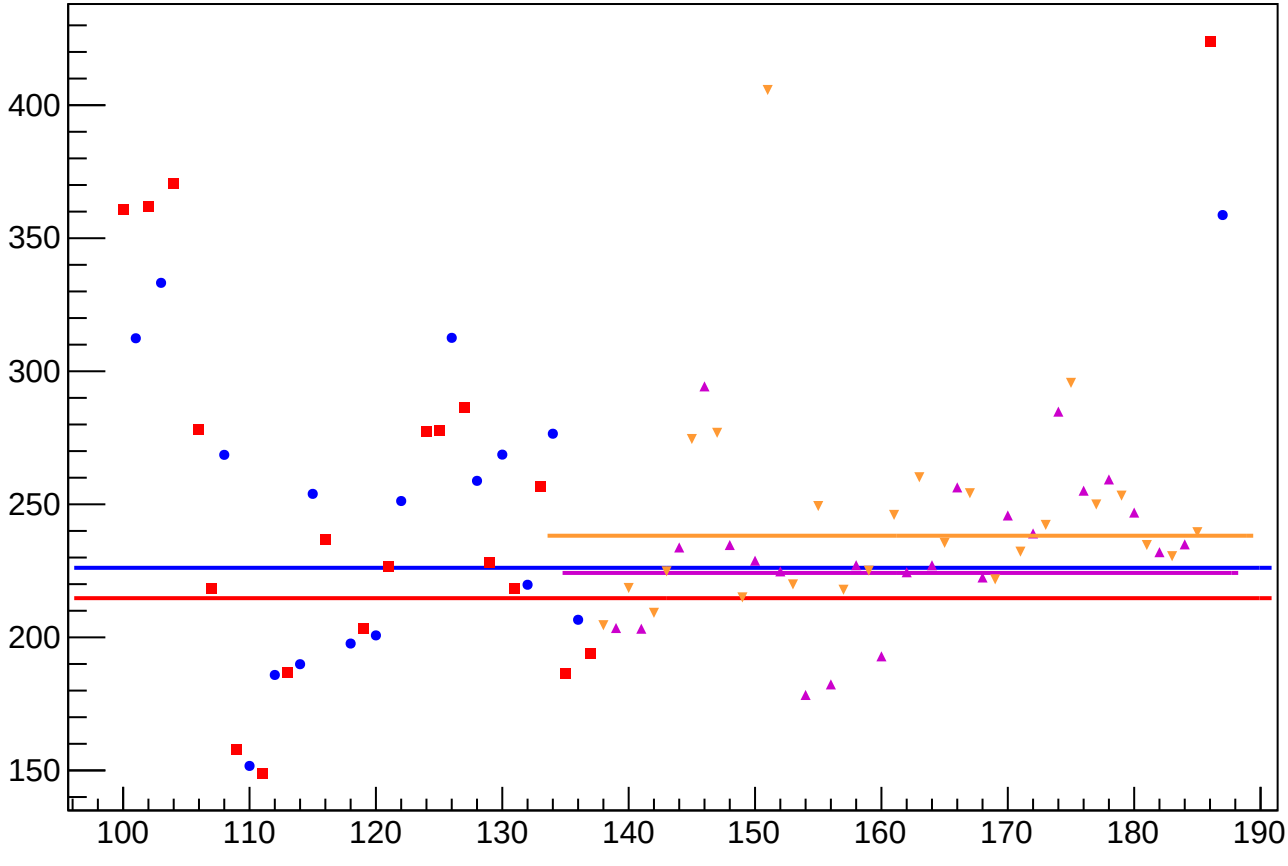
Right: -634.539+/-58.777 χ^2/NDF: 1449.4/36

In: -427.617+/-45.476 χ^2/NDF:2147.1/39

Out: 13.728+/-45.380 χ^2/NDF:2648.1/44

All: -206.479+/-32.122 χ^2/NDF: 4842.5/84

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 226.141+/-0.061 χ^2/NDF: 705203.8/16

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 214.733+/-0.057 χ^2/NDF: 1136119.8/19

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

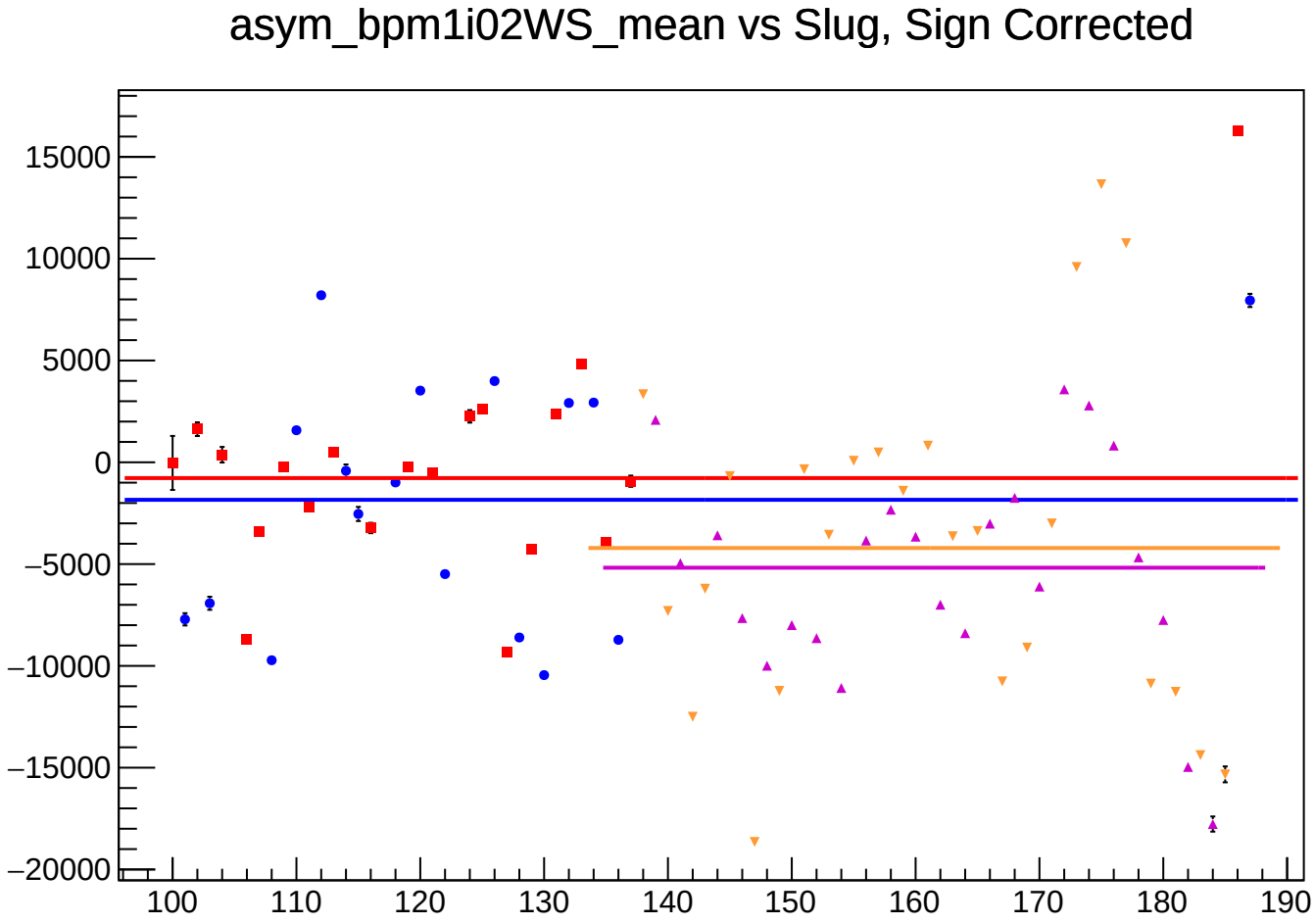
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 220.035+/-0.042 χ^2/NDF: 1860065.5/36

In: 224.749+/-0.032 χ^2/NDF:1269157.4/39

Out: 230.713+/-0.032 χ^2/NDF:1820240.4/44

All: 227.737+/-0.023 χ^2/NDF: 3106635.9/84



Right In: -1843.082+/-46.242 χ^2/NDF: 17644.3/16

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -774.895+/-43.891 χ^2/NDF: 12215.7/19

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

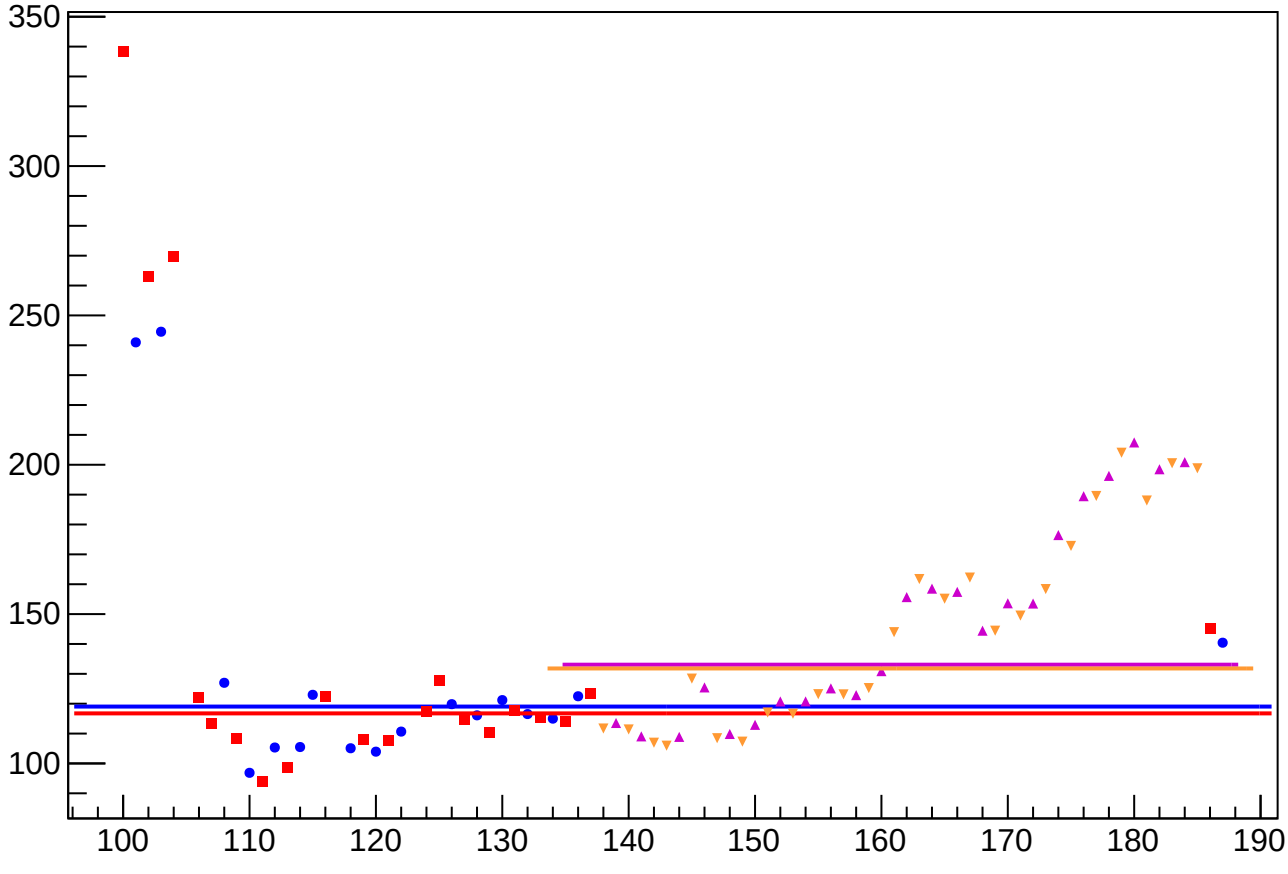
Right: -1281.138+/-31.834 χ^2/NDF: 30140.6/36

In: -4099.664+/-26.297 χ^2/NDF:39705.1/39

Out: -3075.566+/-25.227 χ^2/NDF:73121.6/44

All: -3566.365+/-18.205 χ^2/NDF: 113616.4/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 119.042+/-0.033 χ^2/NDF: 743072.6/16

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 116.757+/-0.031 χ^2/NDF: 896652.7/19

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

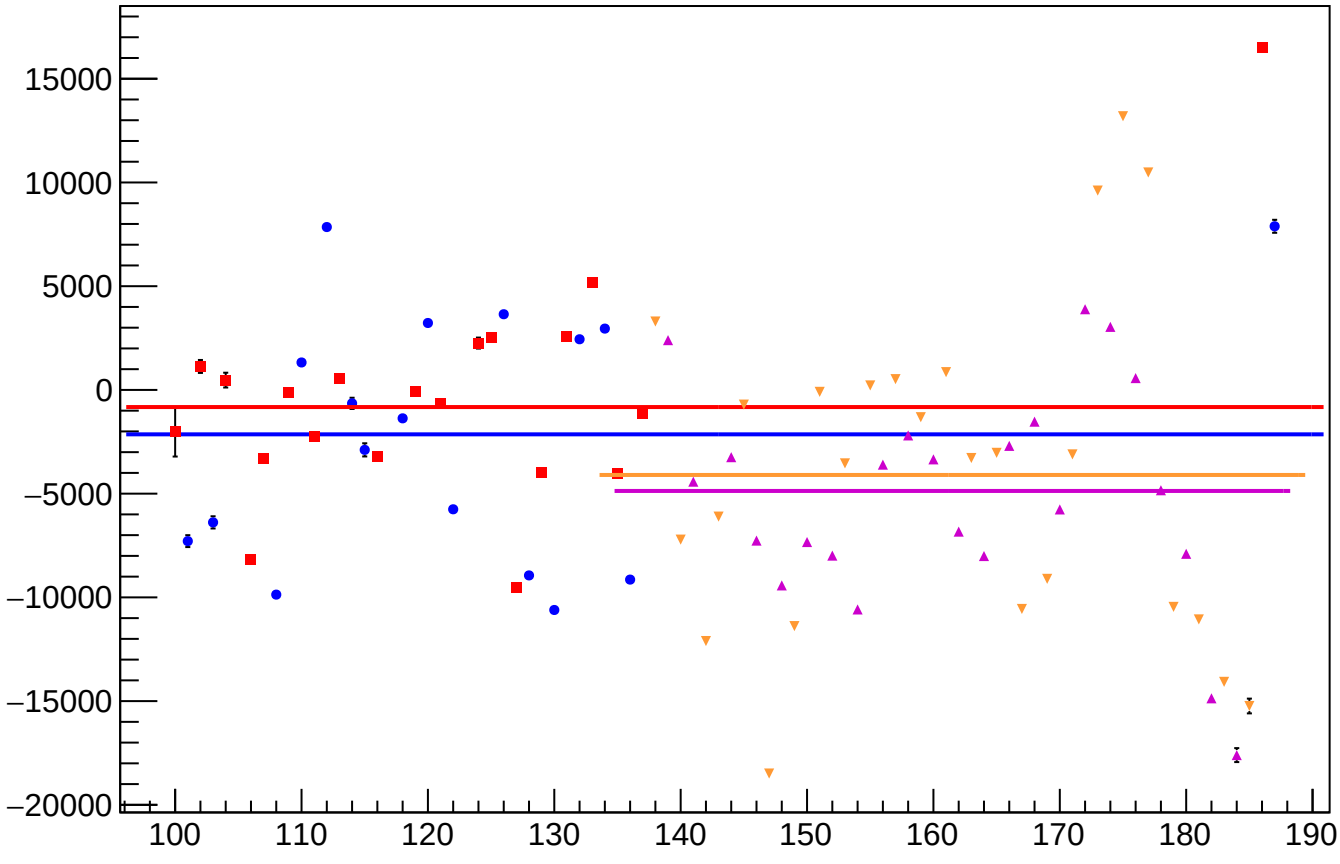
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 117.840+/-0.023 χ^2/NDF: 1642292.3/36

In: 128.527+/-0.019 χ^2/NDF:2285709.2/39

Out: 126.829+/-0.018 χ^2/NDF:2598255.3/44

All: 127.643+/-0.013 χ^2/NDF: 4888310.0/84



Right In: -2140.960+/-40.394 χ^2/NDF: 22722.0/16

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -825.633+/-38.725 χ^2/NDF: 15015.7/19

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

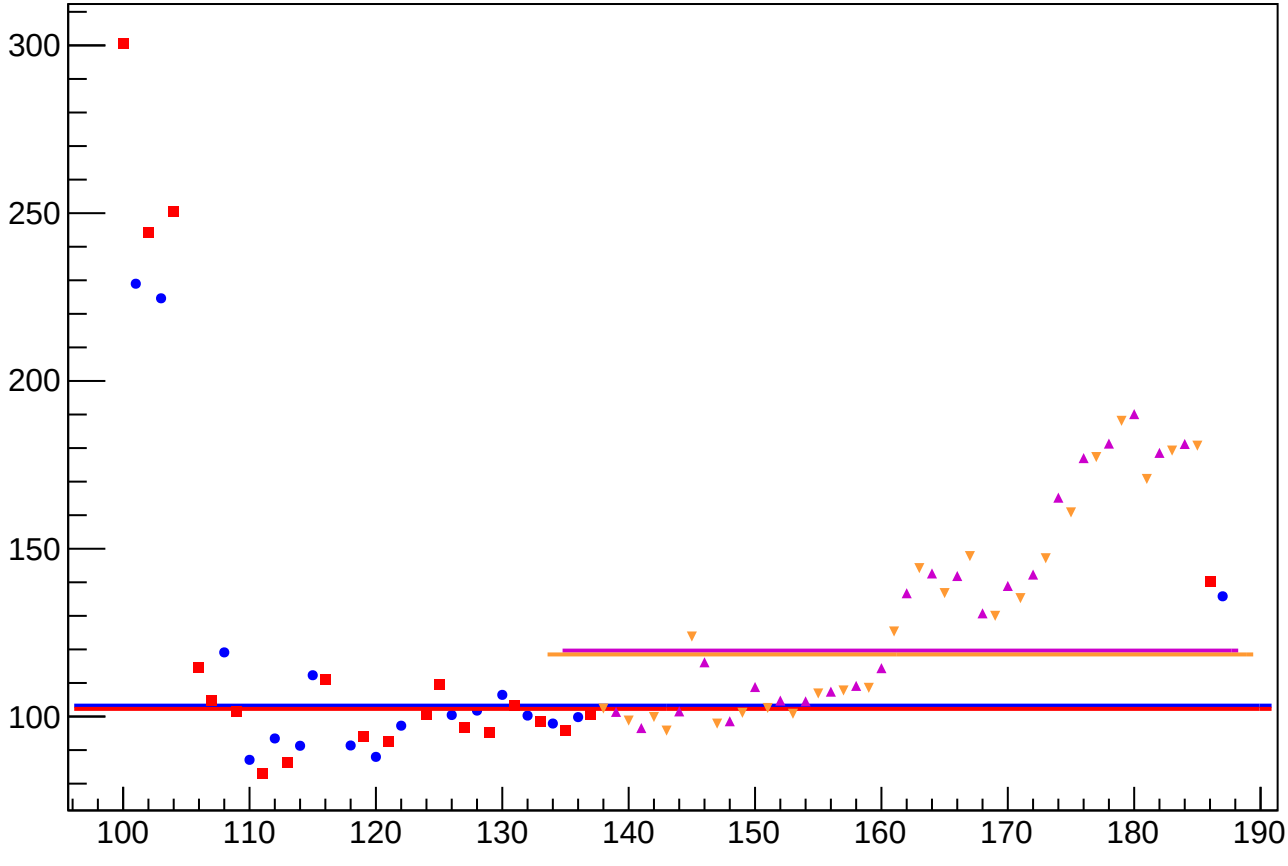
Right: -1455.565+/-27.954 χ^2/NDF: 38290.2/36

In: -3949.726+/-23.455 χ^2/NDF:47660.4/39

Out: -2987.221+/-22.568 χ^2/NDF:86005.1/44

All: -3449.935+/-16.262 χ^2/NDF: 134540.0/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 103.245+/-0.029 χ^2/NDF: 847813.6/16

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 102.280+/-0.027 χ^2/NDF: 991948.1/19

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

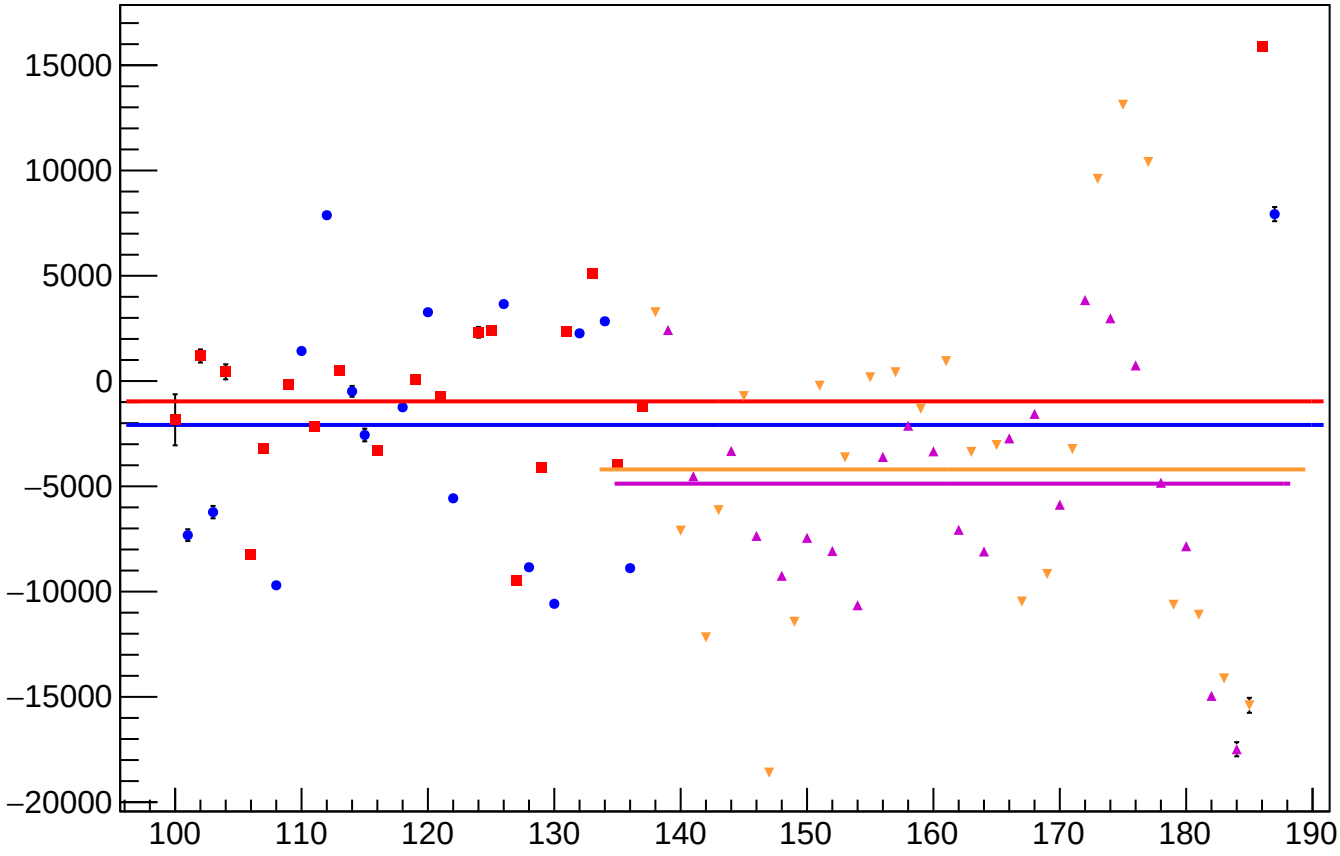
Right: 102.742+/-0.020 χ^2/NDF: 1840356.7/36

In: 114.116+/-0.017 χ^2/NDF:2578714.4/39

Out: 112.992+/-0.016 χ^2/NDF:2850848.6/44

All: 113.532+/-0.011 χ^2/NDF: 5431944.8/84

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2084.155+/-38.780 χ^2/NDF: 23932.1/16

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -965.018+/-37.111 χ^2/NDF: 14394.5/19

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

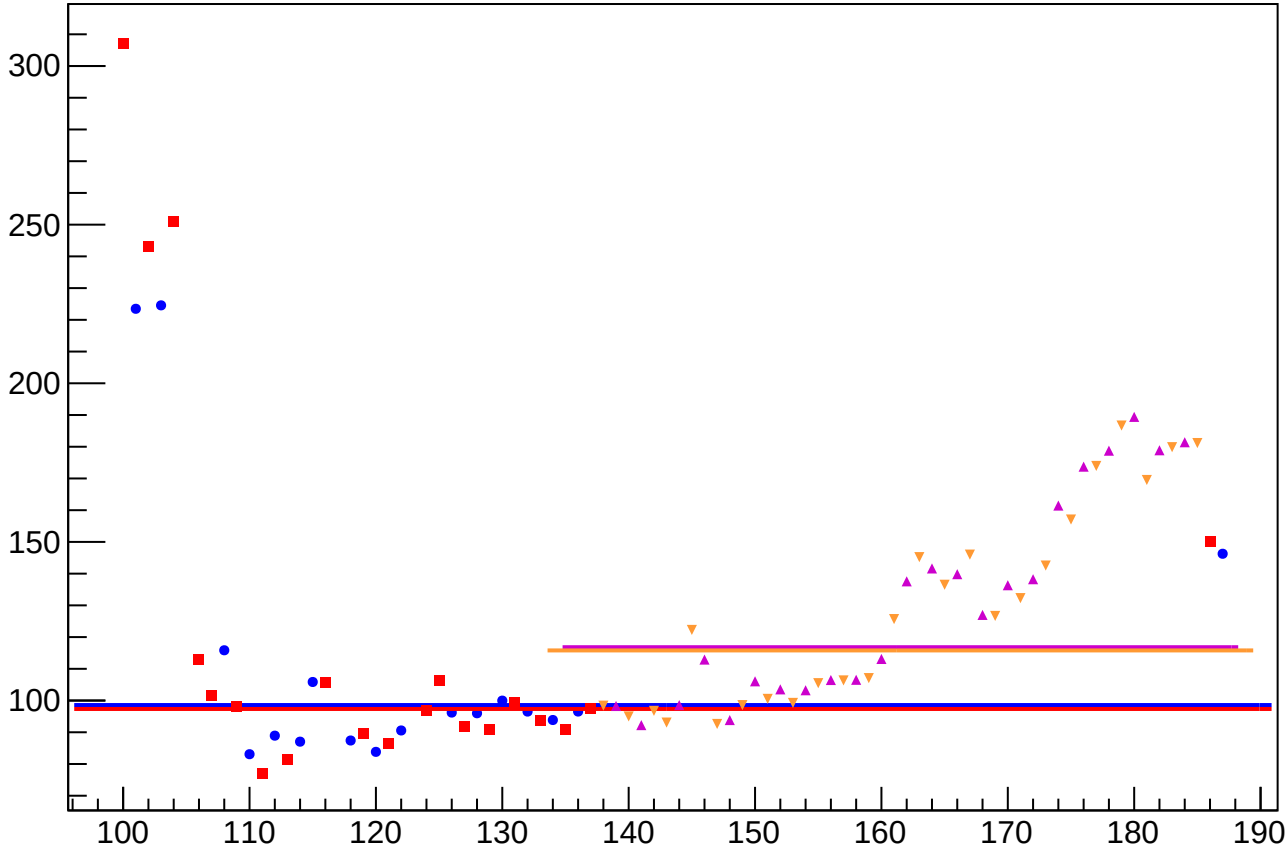
Right: -1499.977+/-26.812 χ^2/NDF: 38761.4/36

In: -3908.450+/-22.808 χ^2/NDF:50239.0/39

Out: -3067.216+/-21.944 χ^2/NDF:89743.9/44

All: -3471.604+/-15.813 χ^2/NDF: 140689.4/8

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 98.581+/-0.027 χ^2/NDF: 908585.6/16

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 97.346+/-0.026 χ^2/NDF: 1114982.0/19

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

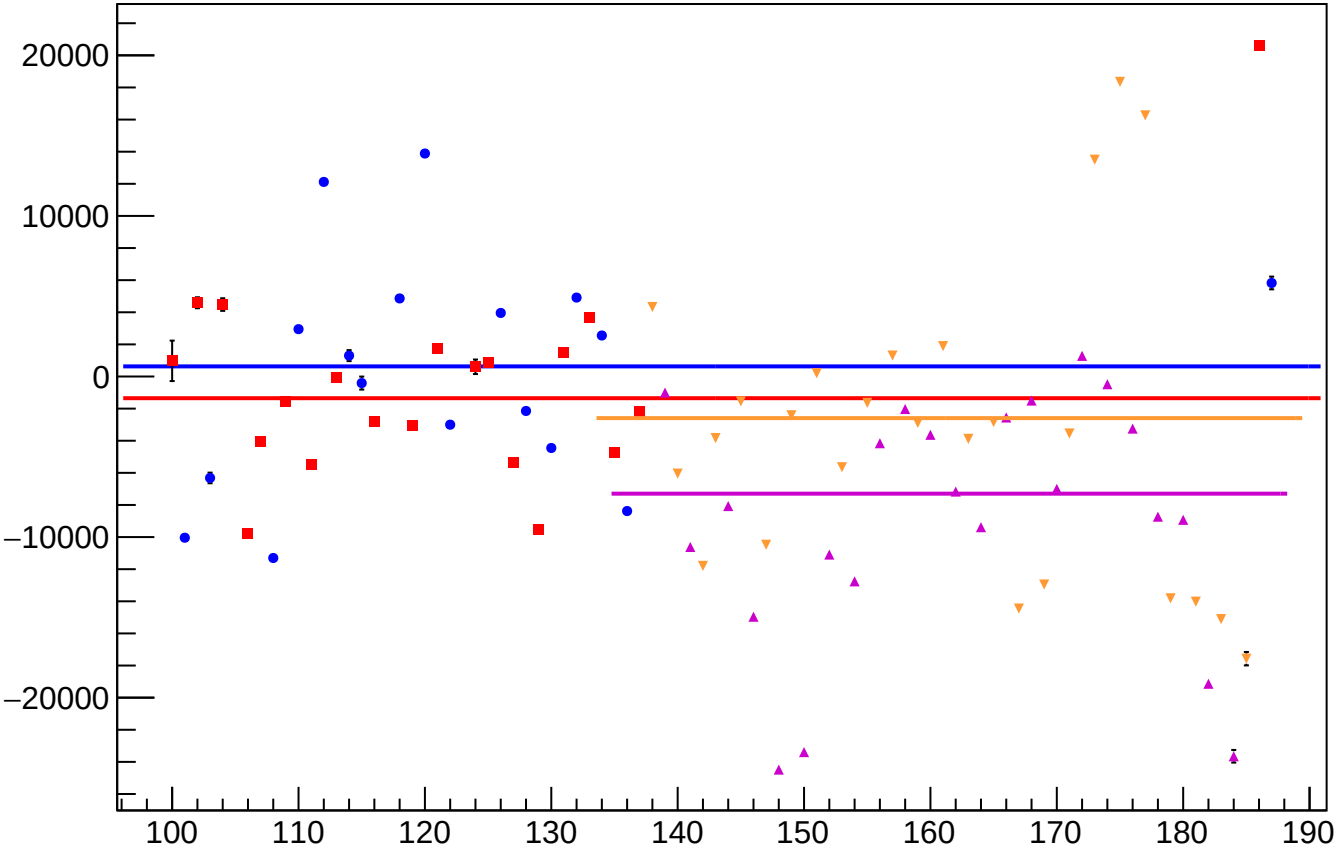
Right: 97.936+/-0.019 χ^2/NDF: 2024627.1/36

In: 110.504+/-0.016 χ^2/NDF:2815231.9/39

Out: 109.346+/-0.016 χ^2/NDF:3185568.8/44

All: 109.903+/-0.011 χ^2/NDF: 6003476.4/84

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 629.761+/-54.338 χ^2/NDF: 18762.1/16

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -1350.997+/-52.495 χ^2/NDF: 11461.8/19

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

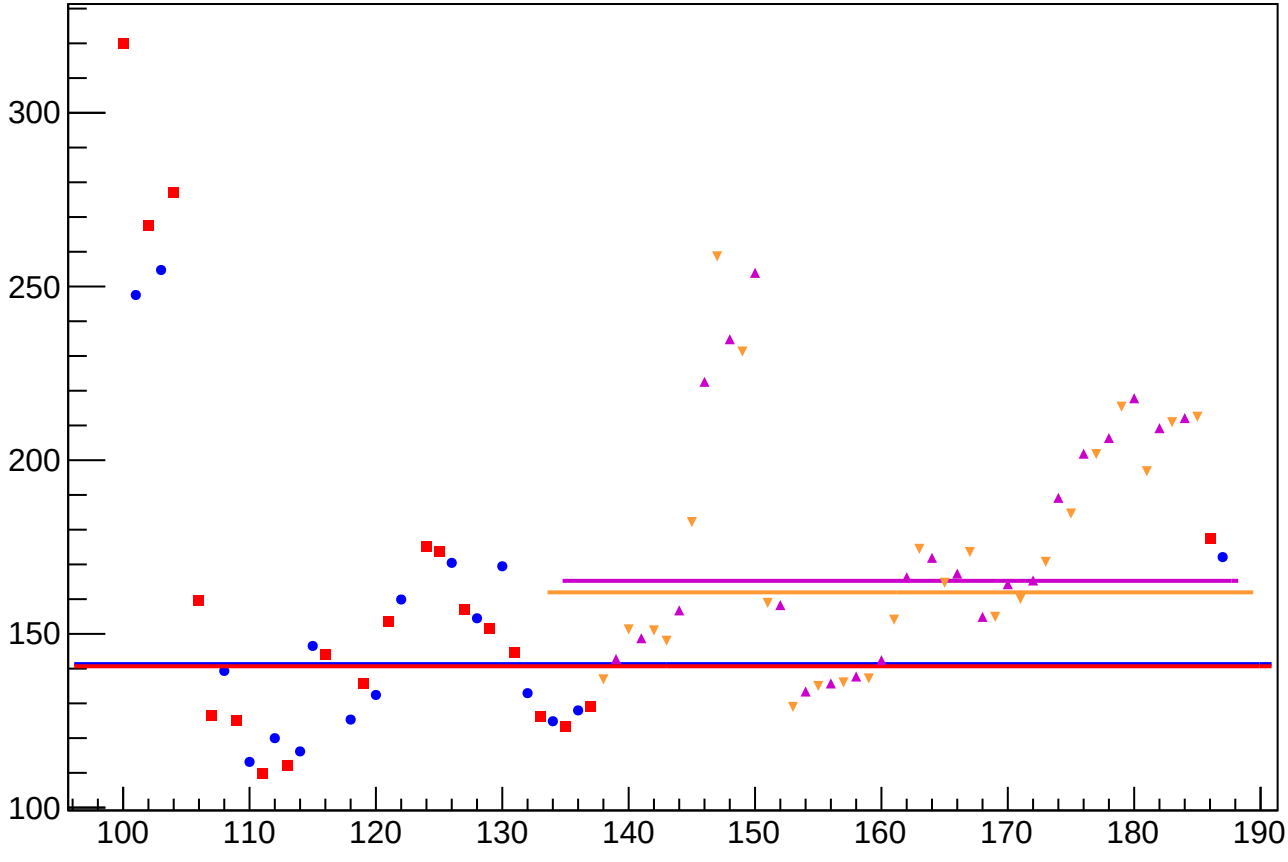
Right: -394.781+/-37.755 χ^2/NDF: 30911.2/36

In: -4549.085+/-31.990 χ^2/NDF:57407.3/39

Out: -2170.162+/-30.591 χ^2/NDF:59825.2/44

All: -3306.461+/-22.109 χ^2/NDF: 120121.1/8

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 141.303+/-0.038 χ^2/NDF: 687892.0/16

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 140.678+/-0.037 χ^2/NDF: 838643.7/19

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

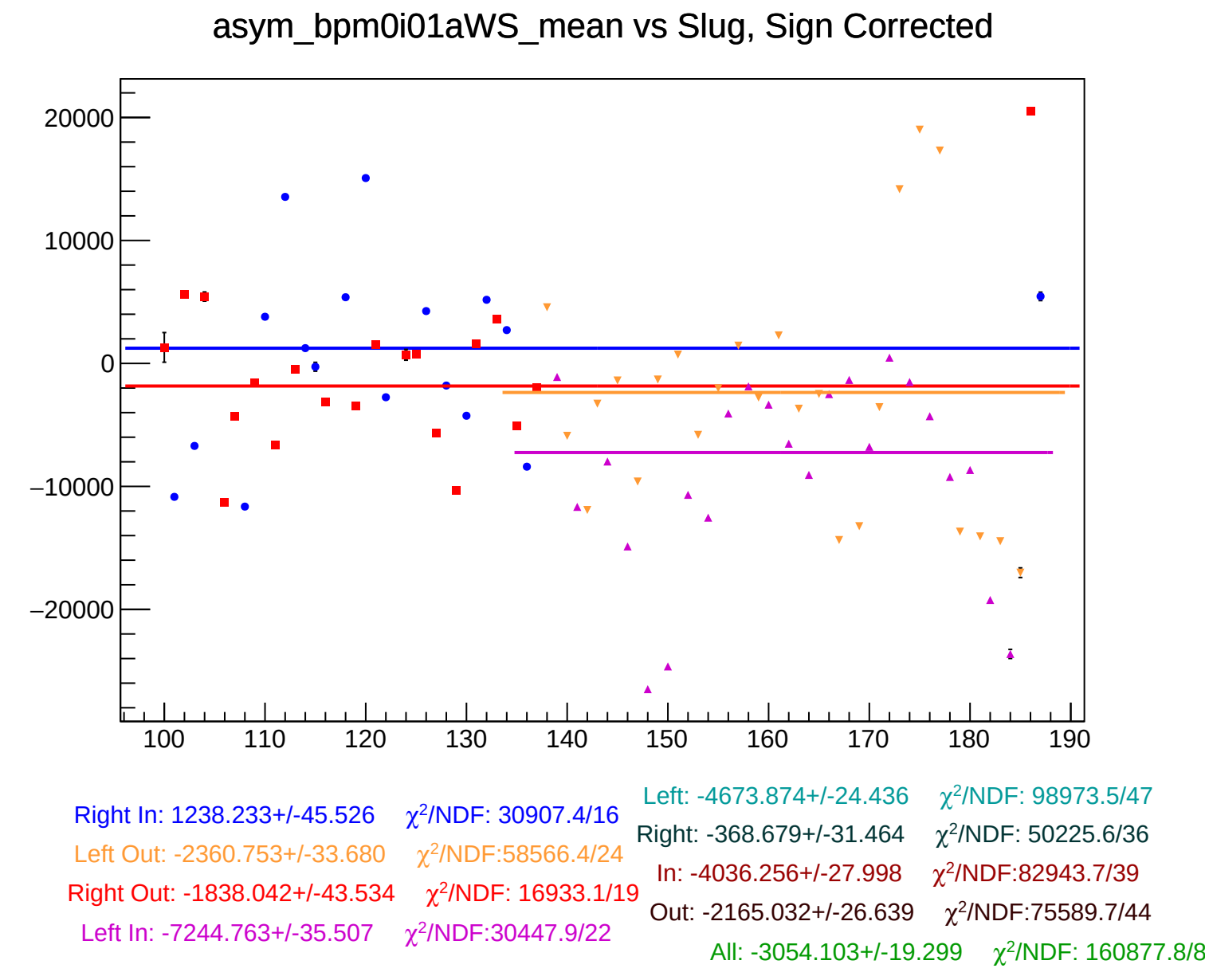
Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

Right: 140.980+/-0.027 χ^2/NDF: 1526672.6/36

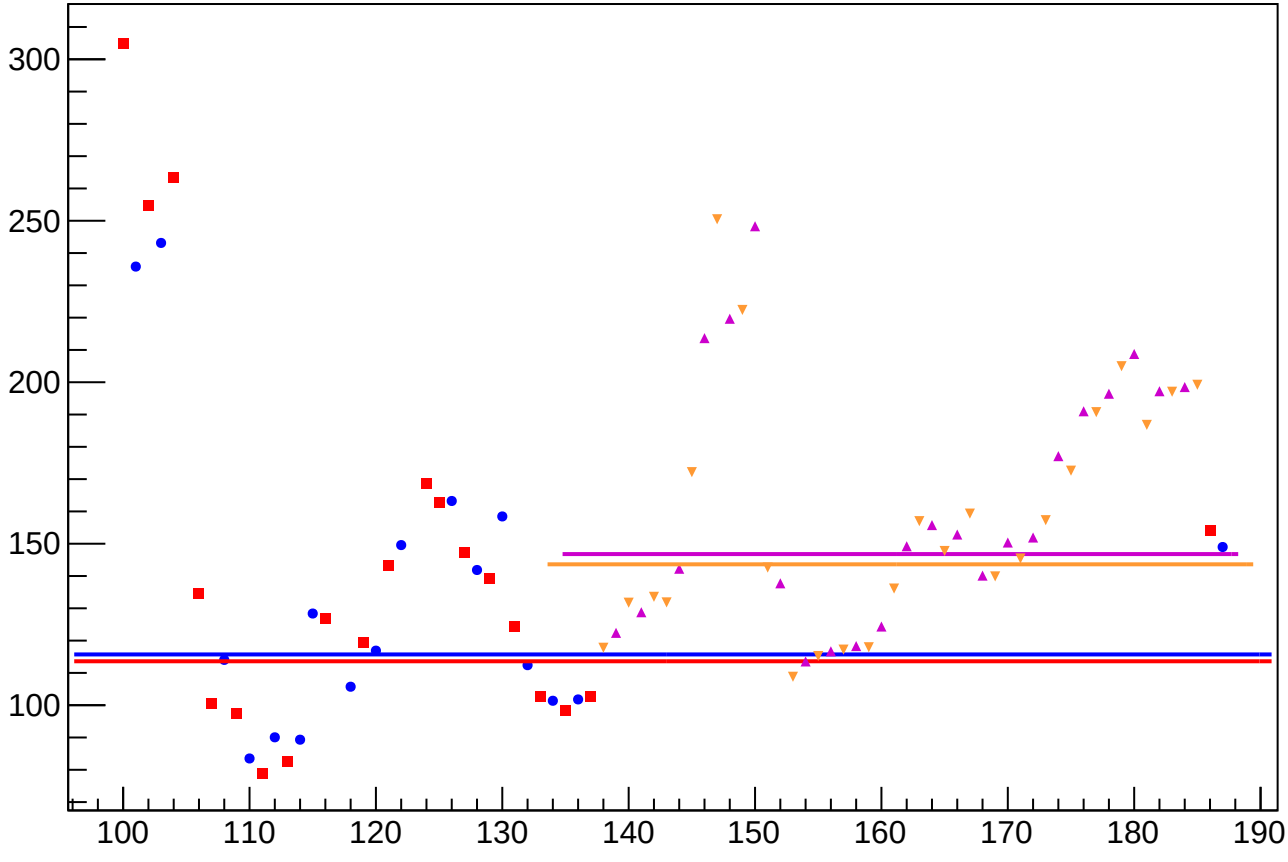
In: 156.965+/-0.023 χ^2/NDF:2121255.8/39

Out: 154.731+/-0.022 χ^2/NDF:2200469.1/44

All: 155.798+/-0.016 χ^2/NDF: 4326819.3/84


asym_bpm0i01aWS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1238.233+/-45.526 χ²/NDF: 30907.4/16
Left Out: -2360.753+/-33.680 χ²/NDF:58566.4/24
Right Out: -1838.042+/-43.534 χ²/NDF: 16933.1/19
Left In: -7244.763+/-35.507 χ²/NDF:30447.9/22
Left: -4673.874+/-24.436 χ²/NDF: 98973.5/47
Right: -368.679+/-31.464 χ²/NDF: 50225.6/36
In: -4036.256+/-27.998 χ²/NDF:82943.7/39
Out: -2165.032+/-26.639 χ²/NDF:75589.7/44
All: -3054.103+/-19.299 χ²/NDF: 160877.8/8

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.719+/-0.032 χ^2/NDF: 1132047.8/16

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 113.599+/-0.031 χ^2/NDF: 1386253.4/19

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

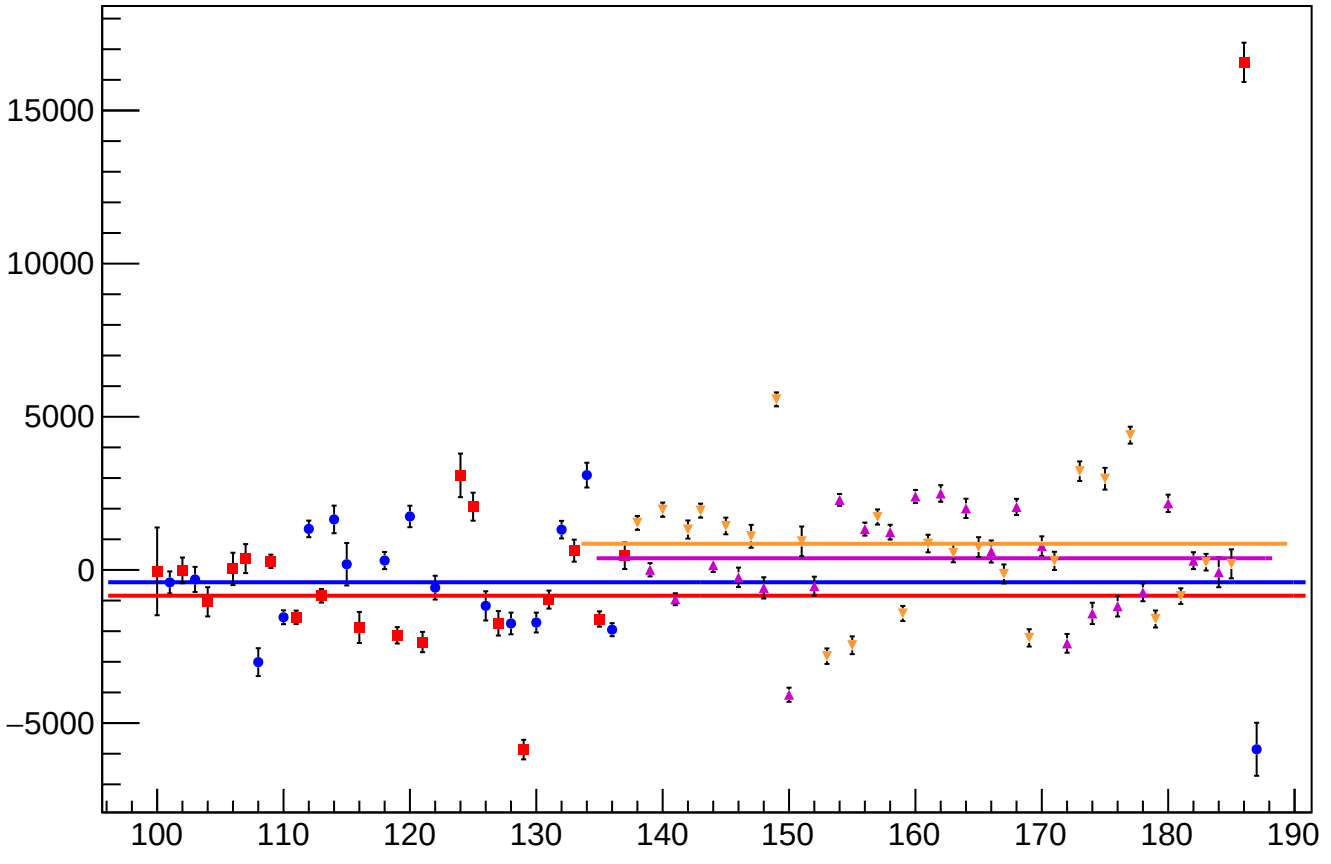
Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

Right: 114.612+/-0.022 χ^2/NDF: 2520567.4/36

In: 135.040+/-0.020 χ^2/NDF:3405929.2/39

Out: 132.380+/-0.019 χ^2/NDF:3644155.7/44

All: 133.644+/-0.014 χ^2/NDF: 7059558.1/84



Right In: -402.243+/-81.768 χ^2/NDF: 401.9/16

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -841.276+/-75.906 χ^2/NDF: 1195.1/19

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

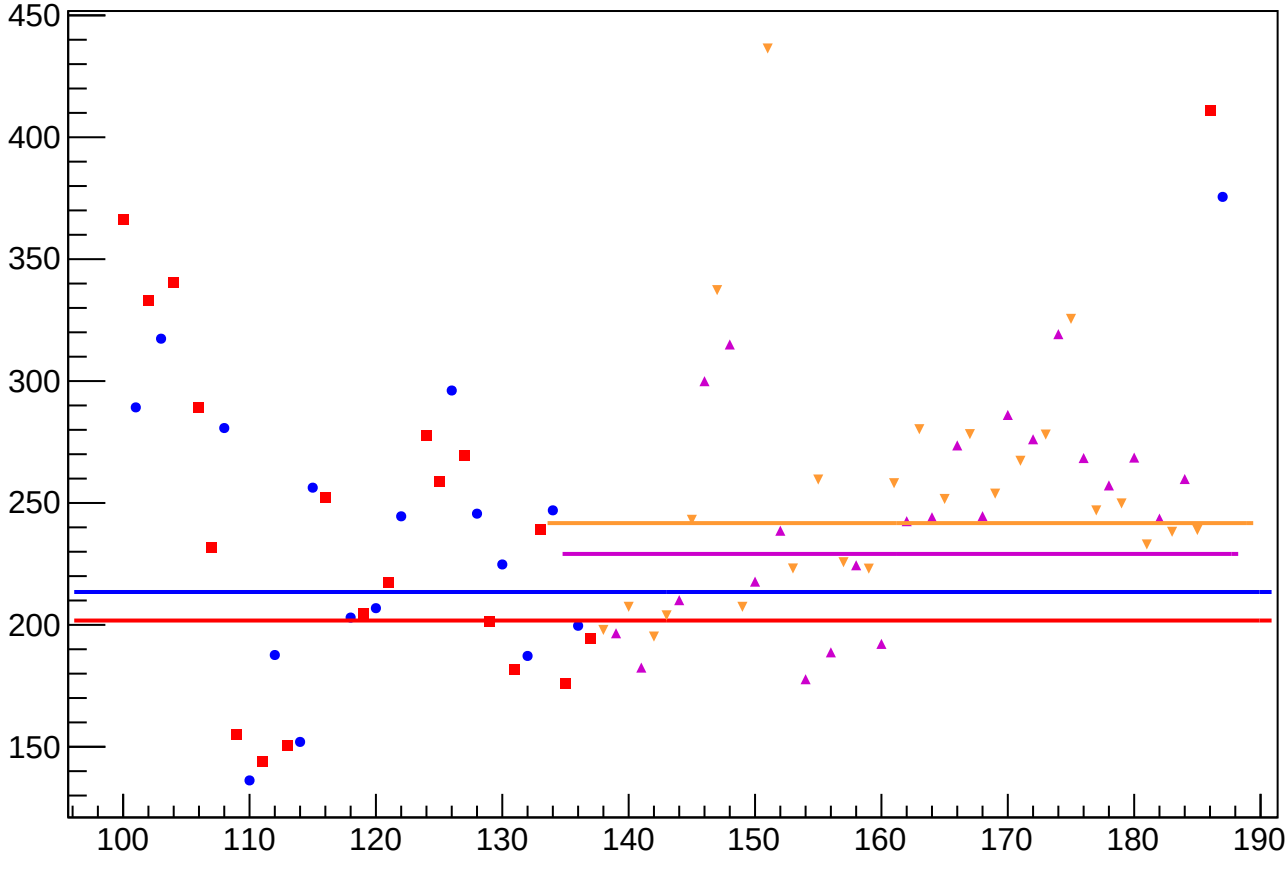
Right: -638.059+/-55.631 χ^2/NDF: 1612.5/36

In: 136.101+/-45.714 χ^2/NDF:1447.3/39

Out: 253.184+/-45.187 χ^2/NDF:2960.9/44

All: 195.321+/-32.137 χ^2/NDF: 4411.6/84

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 213.487+/-0.058 χ^2/NDF: 761113.2/16

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 201.784+/-0.054 χ^2/NDF: 1191095.2/19

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

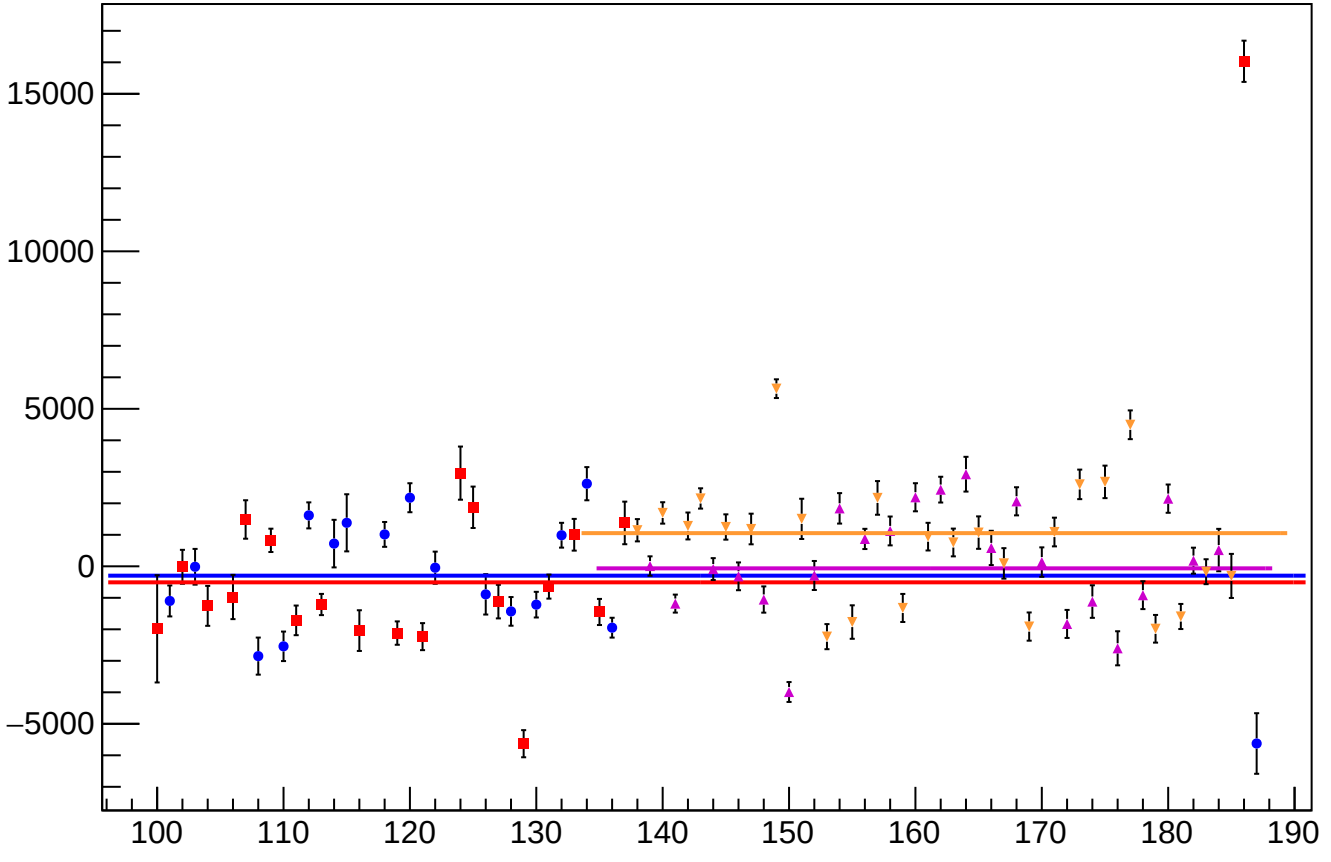
Right: 207.201+/-0.039 χ^2/NDF: 1974212.8/36

In: 224.222+/-0.032 χ^2/NDF:1880222.0/39

Out: 227.585+/-0.032 χ^2/NDF:2535368.3/44

All: 225.923+/-0.023 χ^2/NDF: 4421062.4/84

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -296.986+/-117.012 χ^2/NDF: 223.3/16

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -508.922+/-111.458 χ^2/NDF: 912.3/19

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

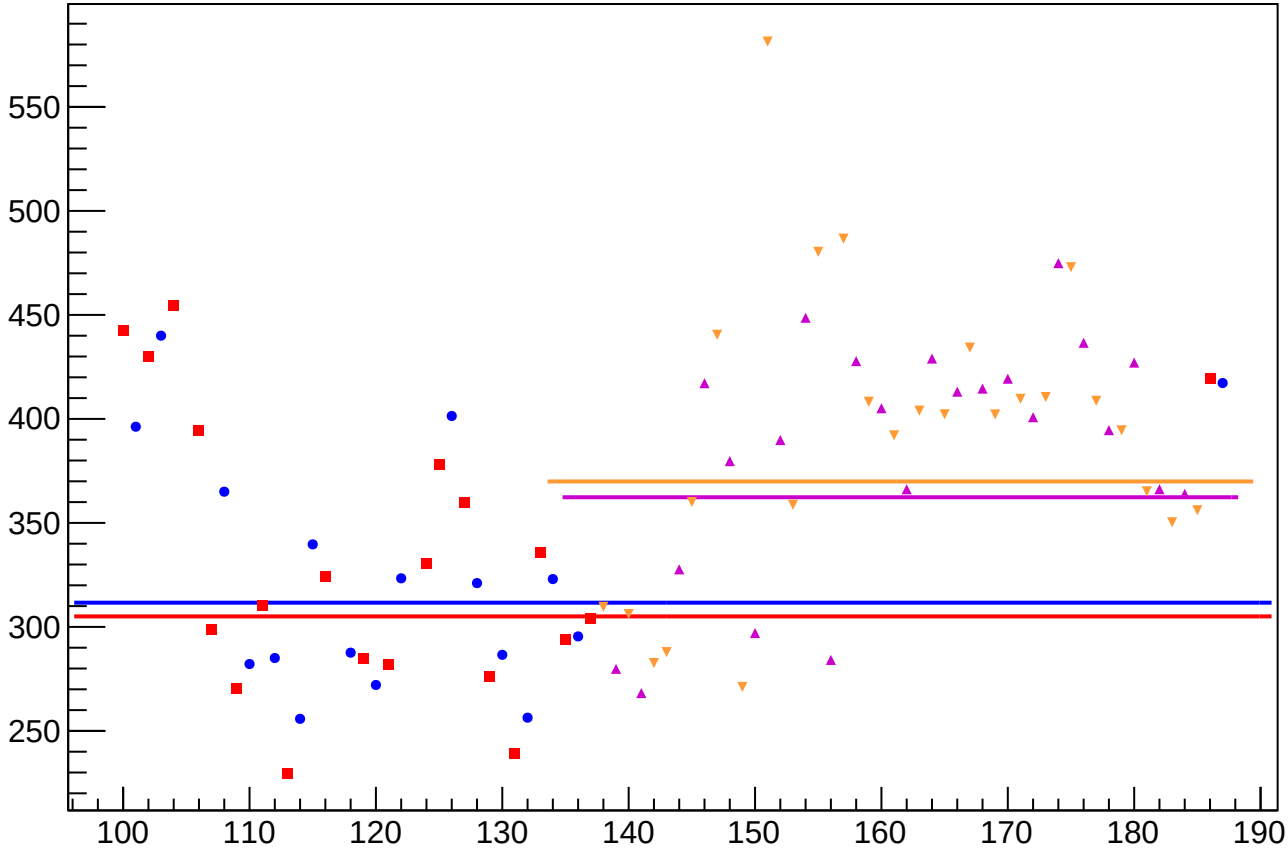
Right: -408.102+/-80.705 χ^2/NDF: 1137.3/36

In: -146.944+/-69.640 χ^2/NDF:620.3/39

Out: 471.235+/-68.036 χ^2/NDF:1650.2/44

All: 169.349+/-48.666 χ^2/NDF: 2310.8/84

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 311.648+/-0.083 χ^2/NDF: 347752.1/16

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 305.060+/-0.079 χ^2/NDF: 583035.0/19

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

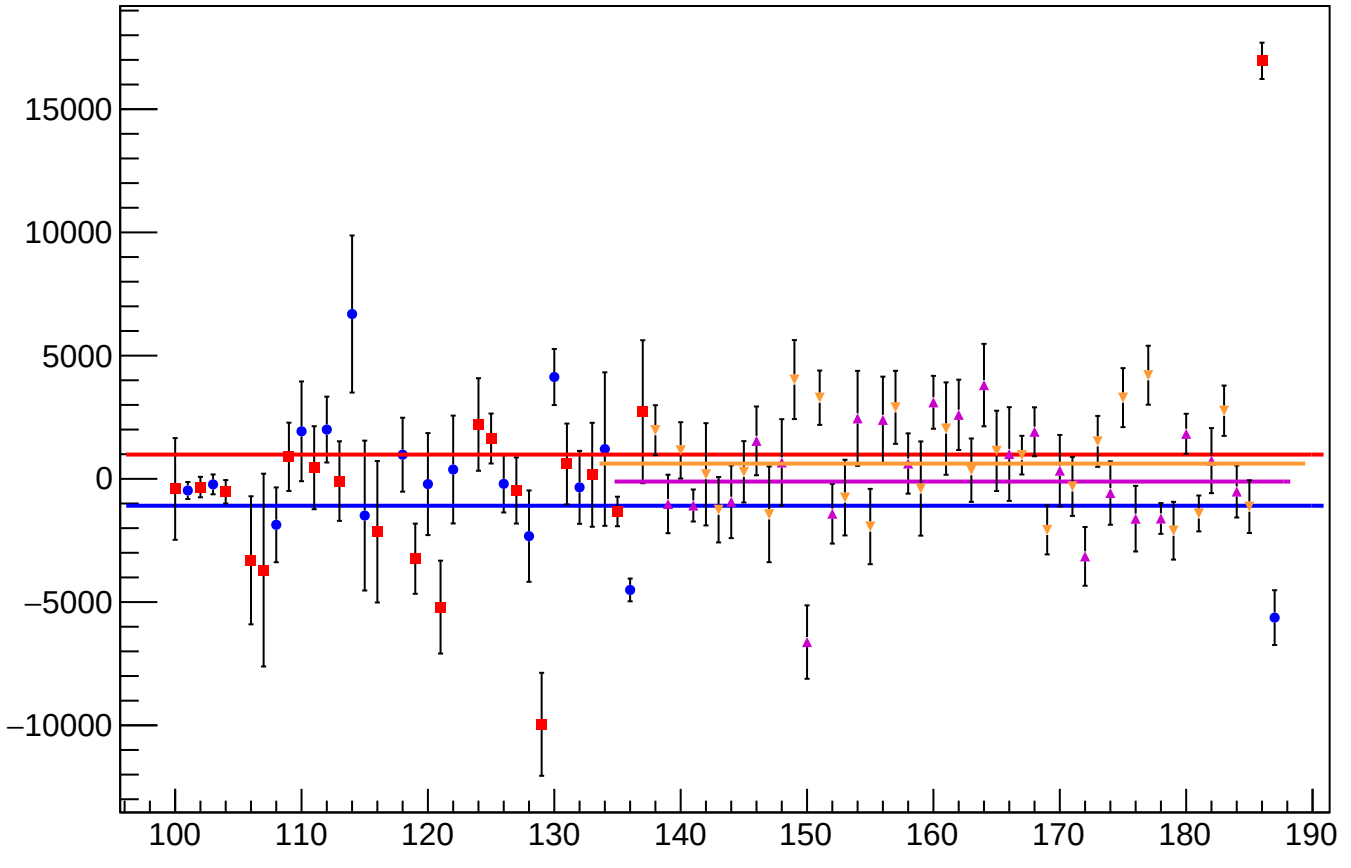
Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

Right: 308.194+/-0.057 χ^2/NDF: 934111.3/36

In: 344.385+/-0.049 χ^2/NDF:1643559.6/39

Out: 345.755+/-0.048 χ^2/NDF:2238293.7/44

All: 345.086+/-0.034 χ^2/NDF: 3882249.2/84



Right In: -1090.955+/-201.329 χ^2/NDF: 118.4/16

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 985.138+/-222.299 χ^2/NDF: 560.4/19

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

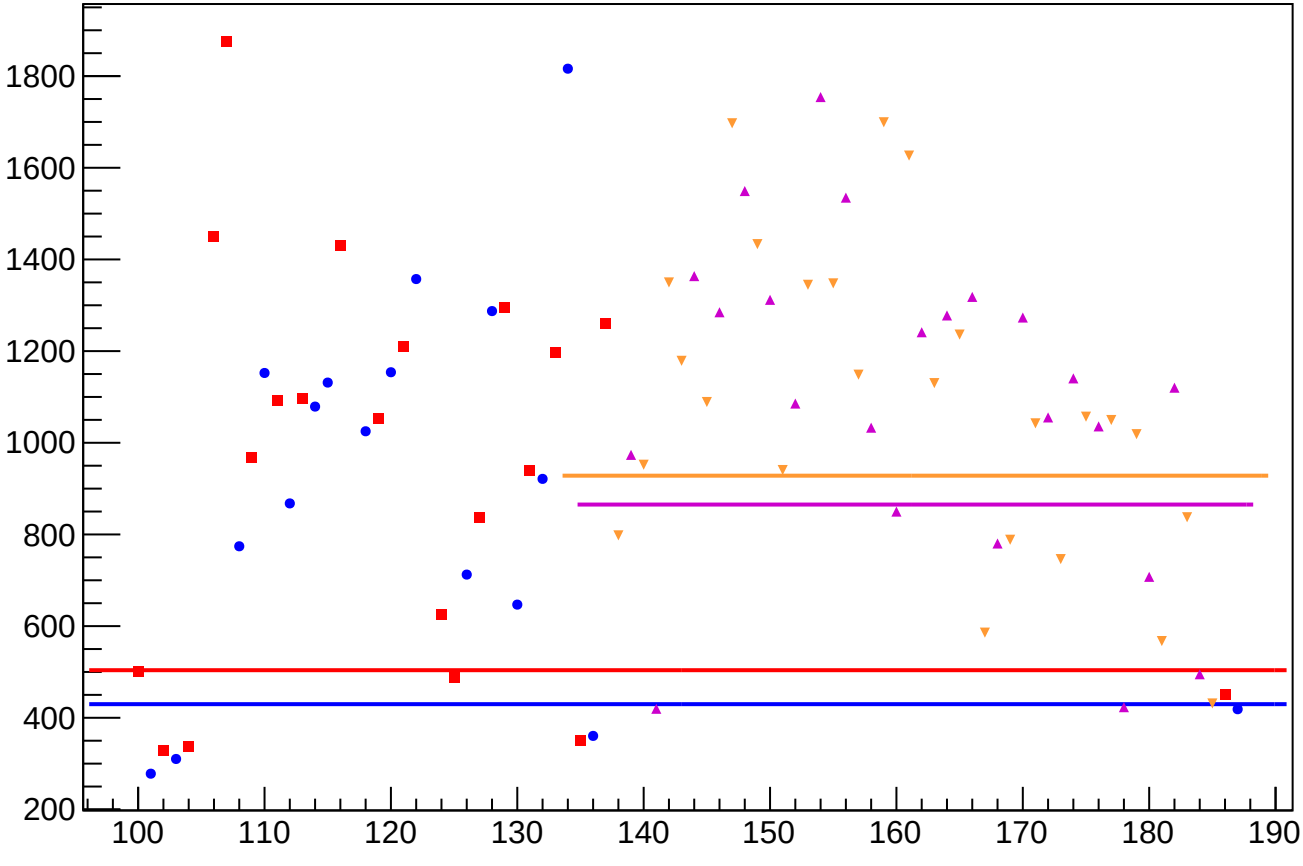
Right: -155.425+/-149.226 χ^2/NDF: 726.7/36

In: -681.244+/-153.663 χ^2/NDF:200.1/39

Out: 814.443+/-162.504 χ^2/NDF:627.4/44

All: 24.808+/-111.651 χ^2/NDF: 872.2/84

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 429.735+/-0.142 χ^2/NDF: 3522066.2/16

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 503.841+/-0.157 χ^2/NDF: 3685211.9/19

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

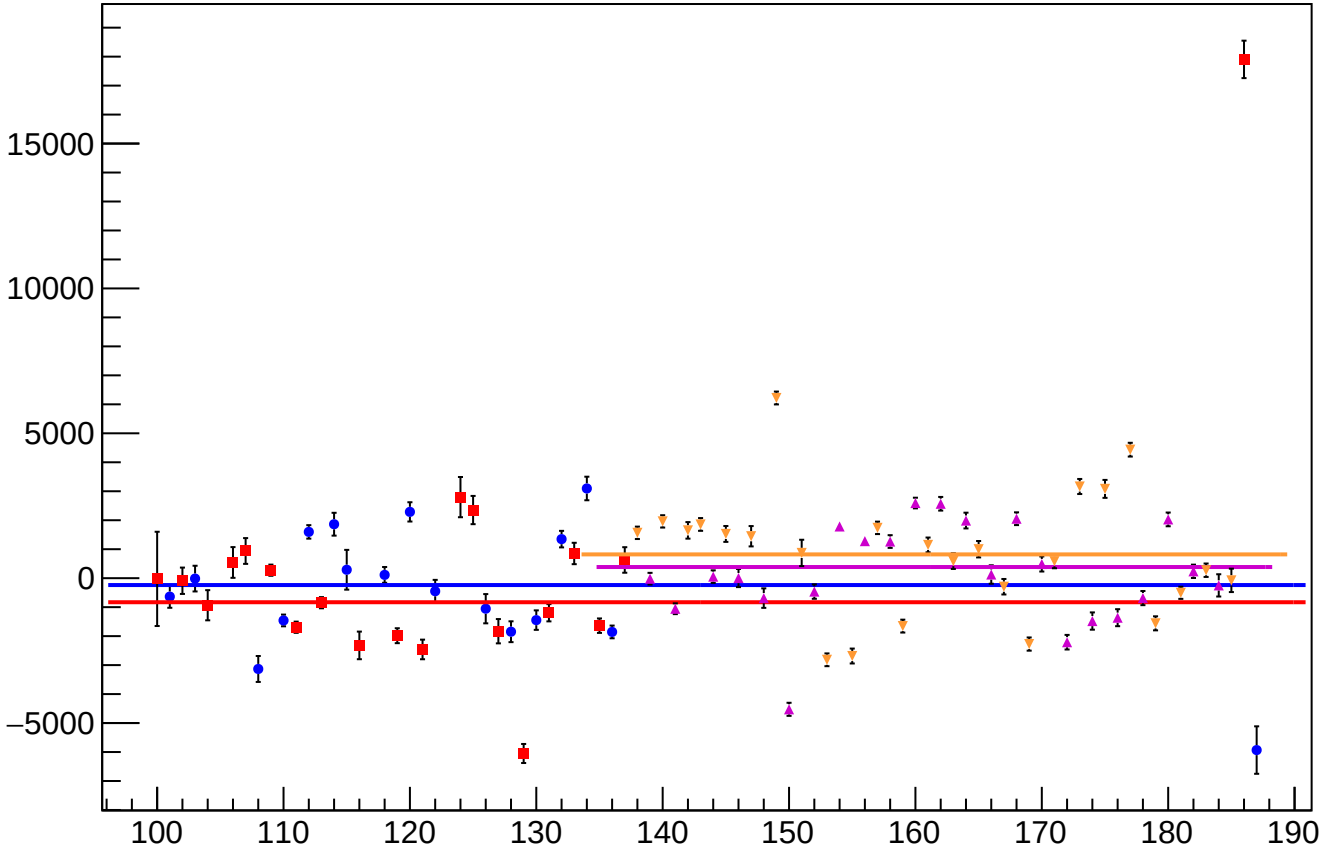
Right: 463.129+/-0.106 χ^2/NDF: 7329380.4/36

In: 611.535+/-0.109 χ^2/NDF:12221201.7/39

Out: 701.448+/-0.115 χ^2/NDF:10374077.2/44

All: 653.979+/-0.079 χ^2/NDF: 22918525.4/84

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -237.145+/-79.486 χ^2/NDF: 466.5/16

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -830.160+/-72.598 χ^2/NDF: 1343.9/19

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

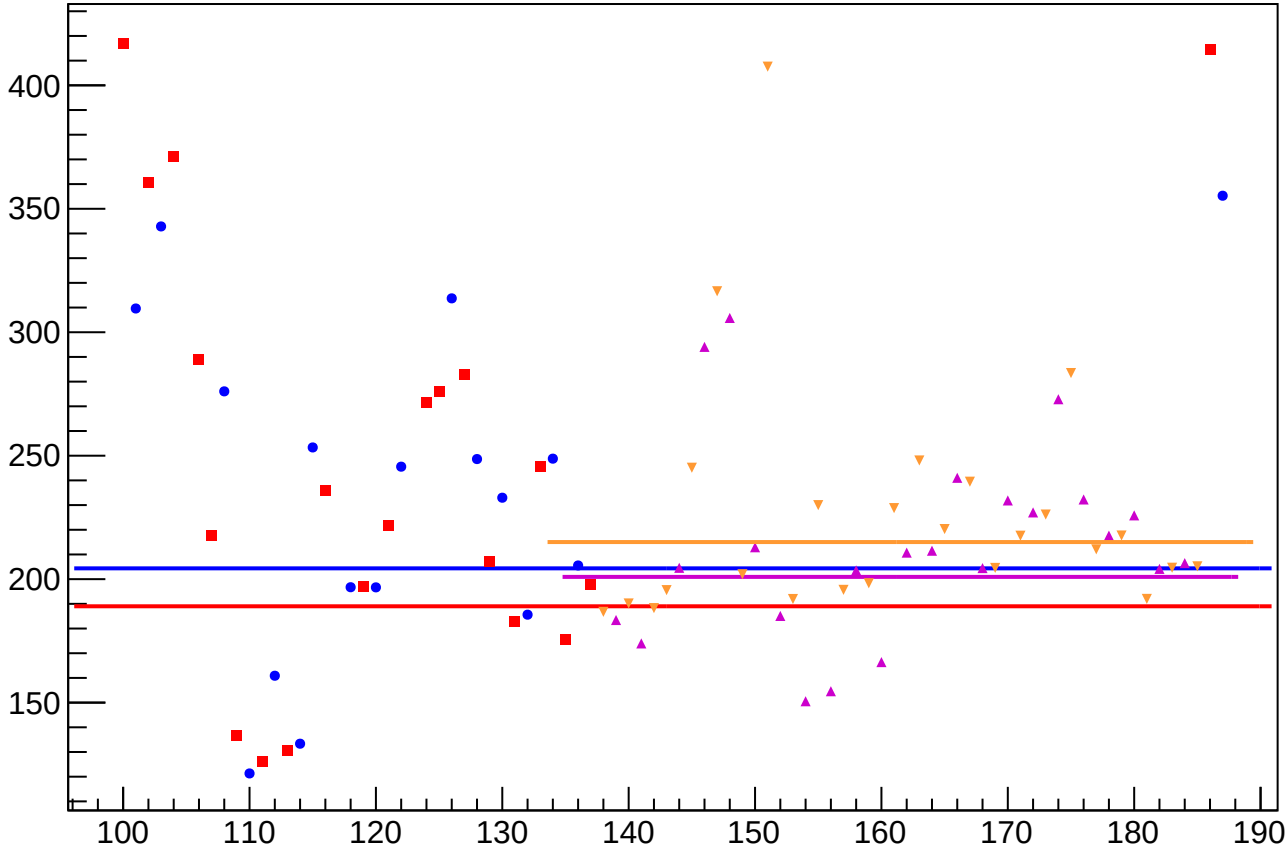
Right: -560.458+/-53.605 χ^2/NDF: 1840.7/36

In: 216.444+/-41.373 χ^2/NDF:1764.5/39

Out: 289.703+/-41.176 χ^2/NDF:3685.4/44

All: 253.249+/-29.185 χ^2/NDF: 5451.5/84

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 204.376+/-0.056 χ^2/NDF: 1140377.5/16

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 189.011+/-0.051 χ^2/NDF: 1728123.8/19

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

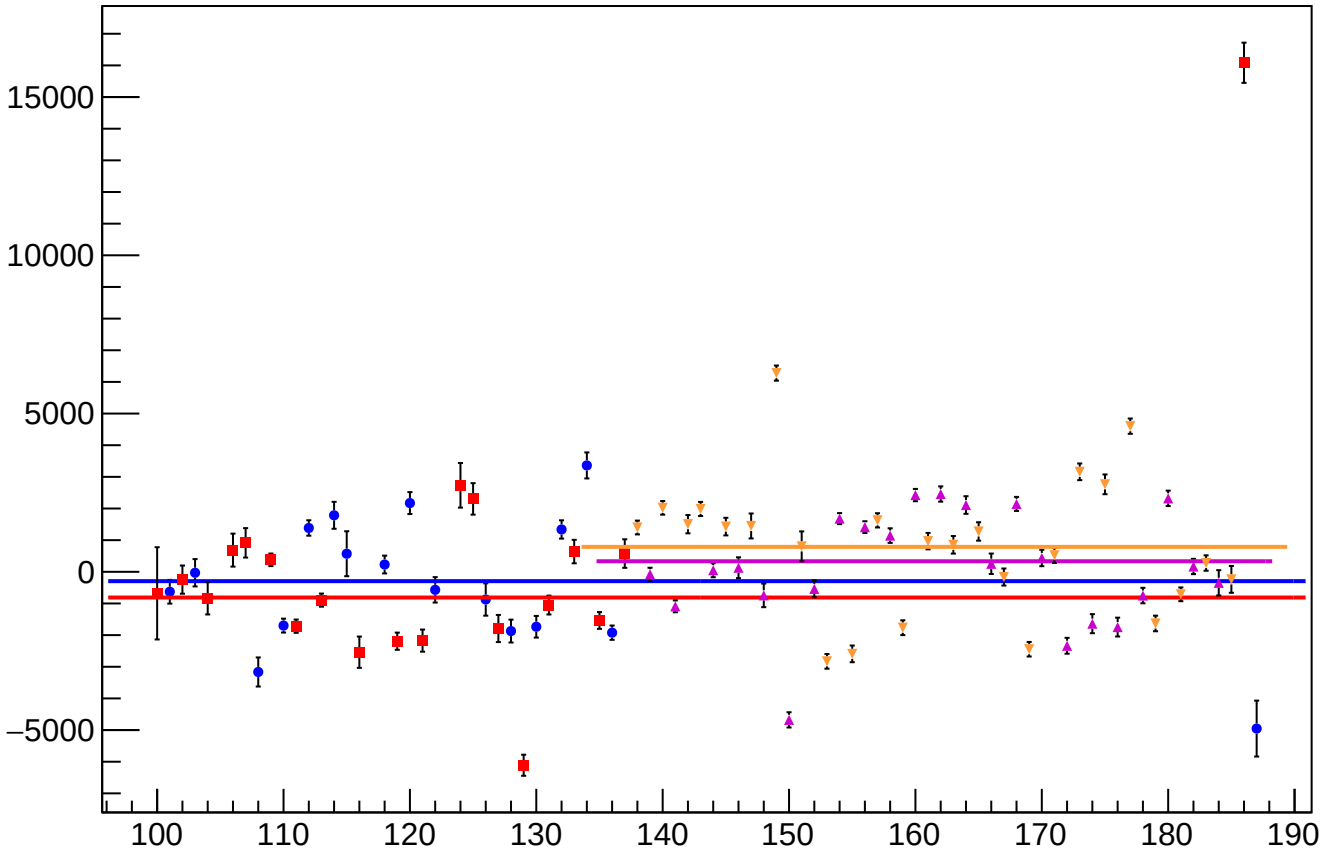
Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

Right: 195.999+/-0.038 χ^2/NDF: 2909244.5/36

In: 201.854+/-0.029 χ^2/NDF:2248980.7/39

Out: 206.657+/-0.029 χ^2/NDF:2800130.7/44

All: 204.267+/-0.021 χ^2/NDF: 5062655.4/84



Right In: -295.110+/-82.132 χ^2/NDF: 437.3/16

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -812.155+/-75.432 χ^2/NDF: 1195.0/19

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

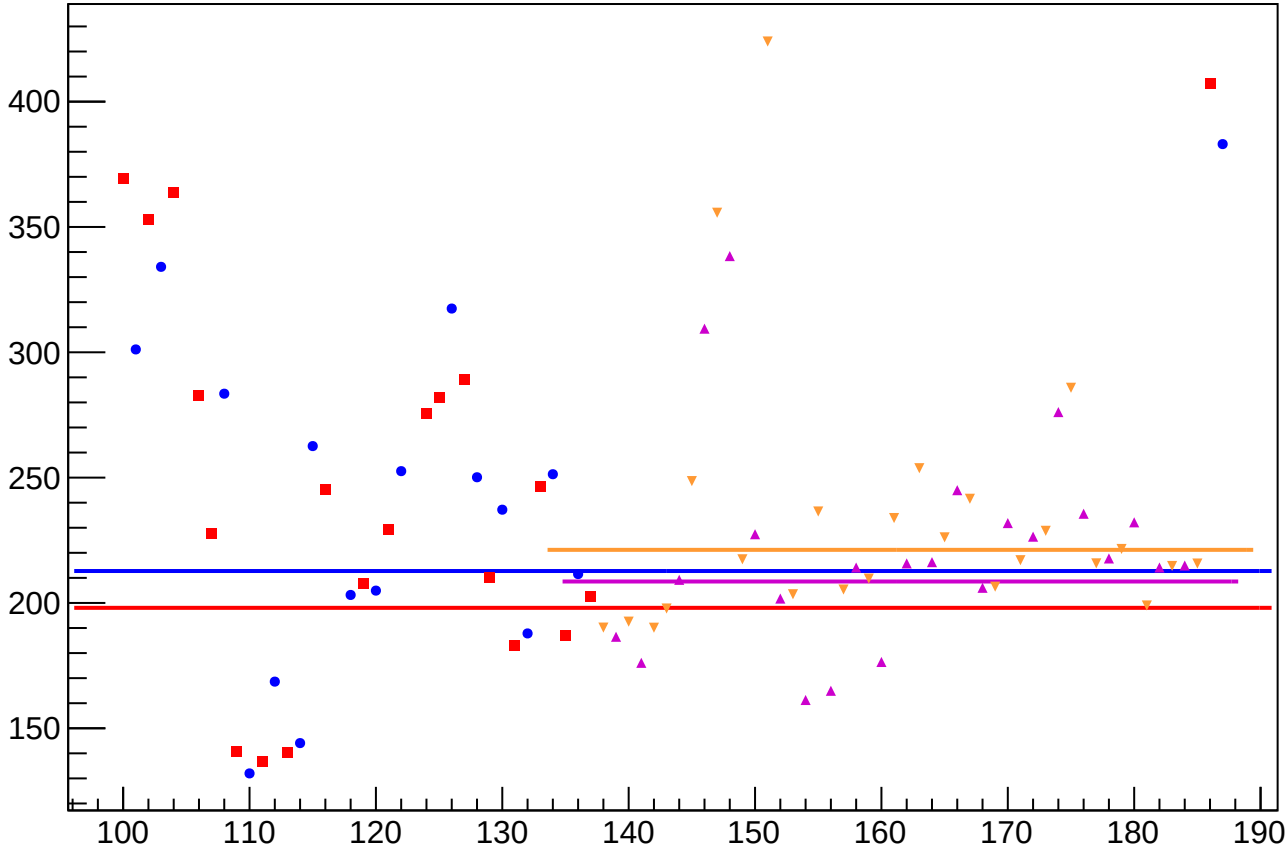
Right: -575.580+/-55.556 χ^2/NDF: 1653.8/36

In: 162.418+/-42.829 χ^2/NDF:1695.2/39

Out: 280.356+/-42.490 χ^2/NDF:3392.4/44

All: 221.856+/-30.164 χ^2/NDF: 5091.4/84

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 212.740+/-0.058 χ^2/NDF: 959404.7/16

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 198.051+/-0.053 χ^2/NDF: 1504612.6/19

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

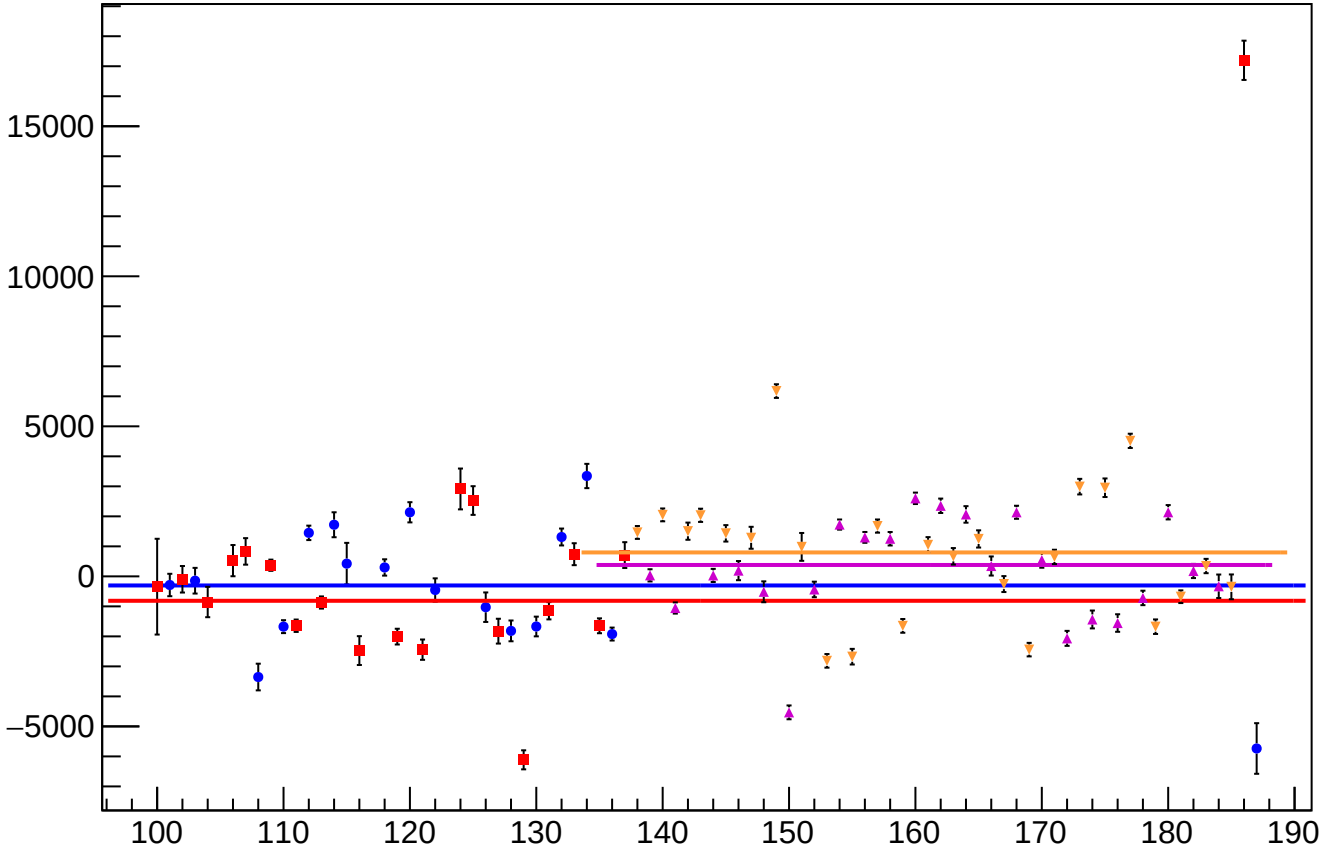
Right: 204.772+/-0.039 χ^2/NDF: 2498716.9/36

In: 209.694+/-0.030 χ^2/NDF:1998820.5/39

Out: 213.845+/-0.030 χ^2/NDF:2572563.4/44

All: 211.786+/-0.021 χ^2/NDF: 4580852.7/84

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -303.174+/-79.862 χ^2/NDF: 473.9/16

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -813.961+/-72.906 χ^2/NDF: 1300.6/19

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

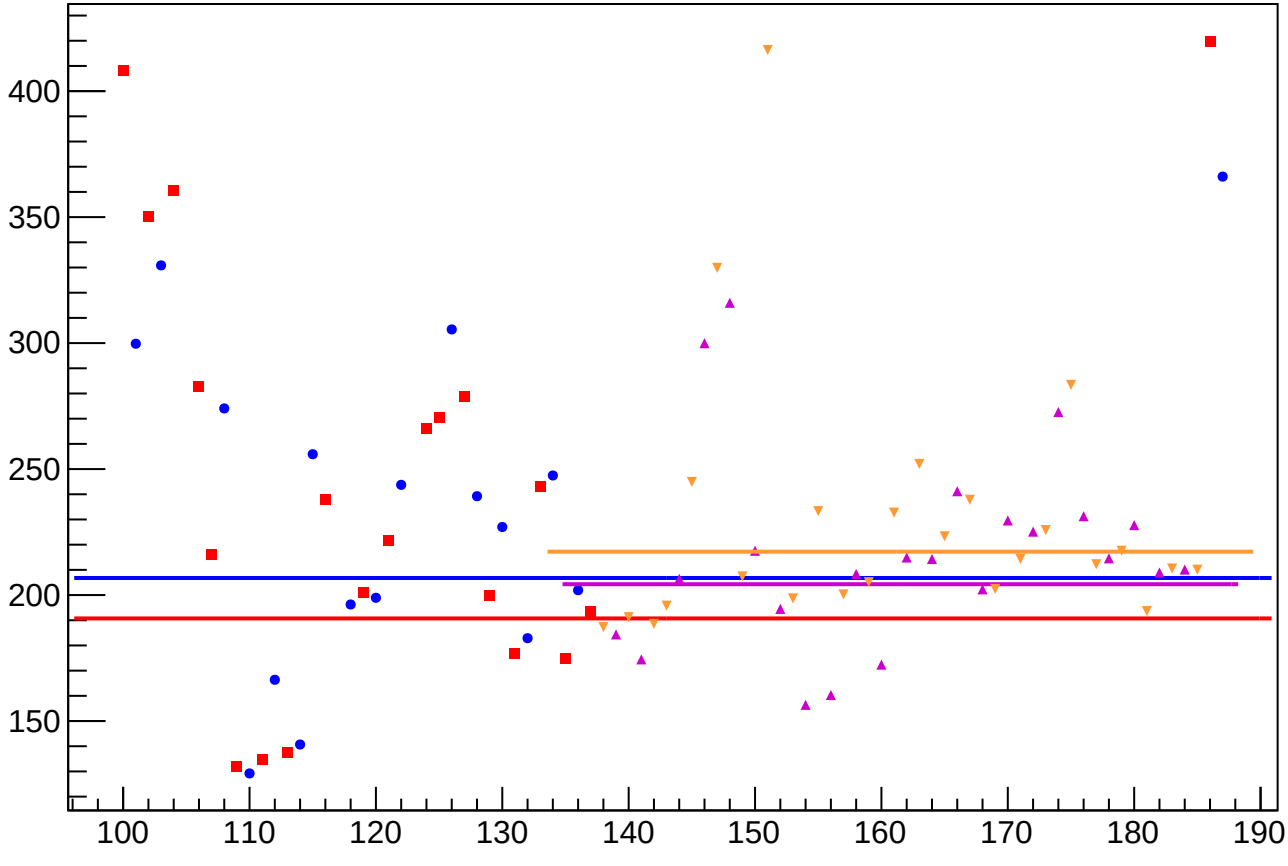
Right: -581.777+/-53.844 χ^2/NDF: 1796.8/36

In: 191.834+/-41.879 χ^2/NDF:1728.1/39

Out: 275.069+/-41.511 χ^2/NDF:3591.5/44

All: 233.819+/-29.482 χ^2/NDF: 5321.7/84

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 206.782+/-0.056 χ^2/NDF: 949363.2/16

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 190.725+/-0.052 χ^2/NDF: 1584733.2/19

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

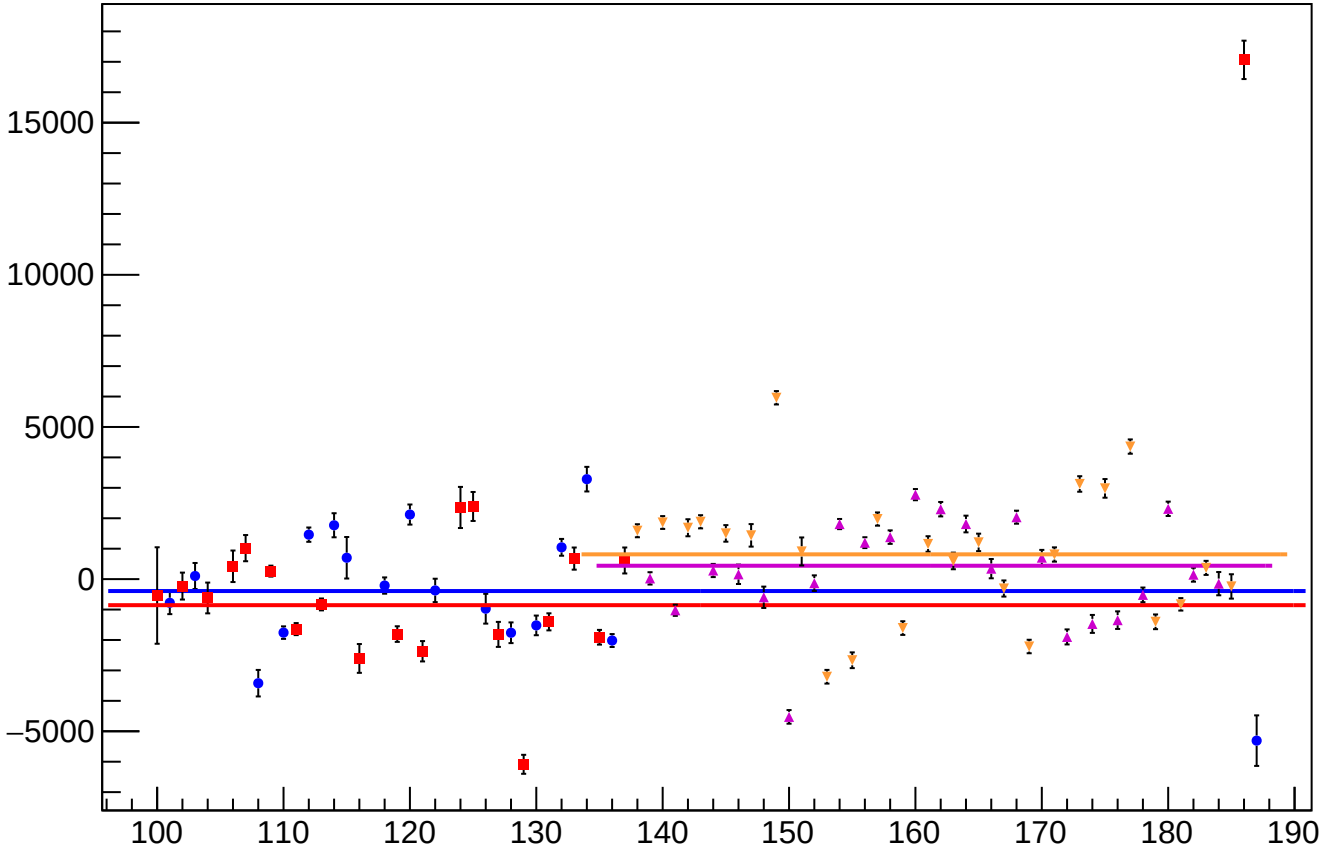
Right: 198.024+/-0.038 χ^2/NDF: 2578195.4/36

In: 204.988+/-0.030 χ^2/NDF:1965803.6/39

Out: 208.634+/-0.029 χ^2/NDF:2673747.7/44

All: 206.827+/-0.021 χ^2/NDF: 4647194.8/84

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -391.654+/-78.218 χ^2/NDF: 481.1/16

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -856.068+/-71.083 χ^2/NDF: 1344.9/19

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

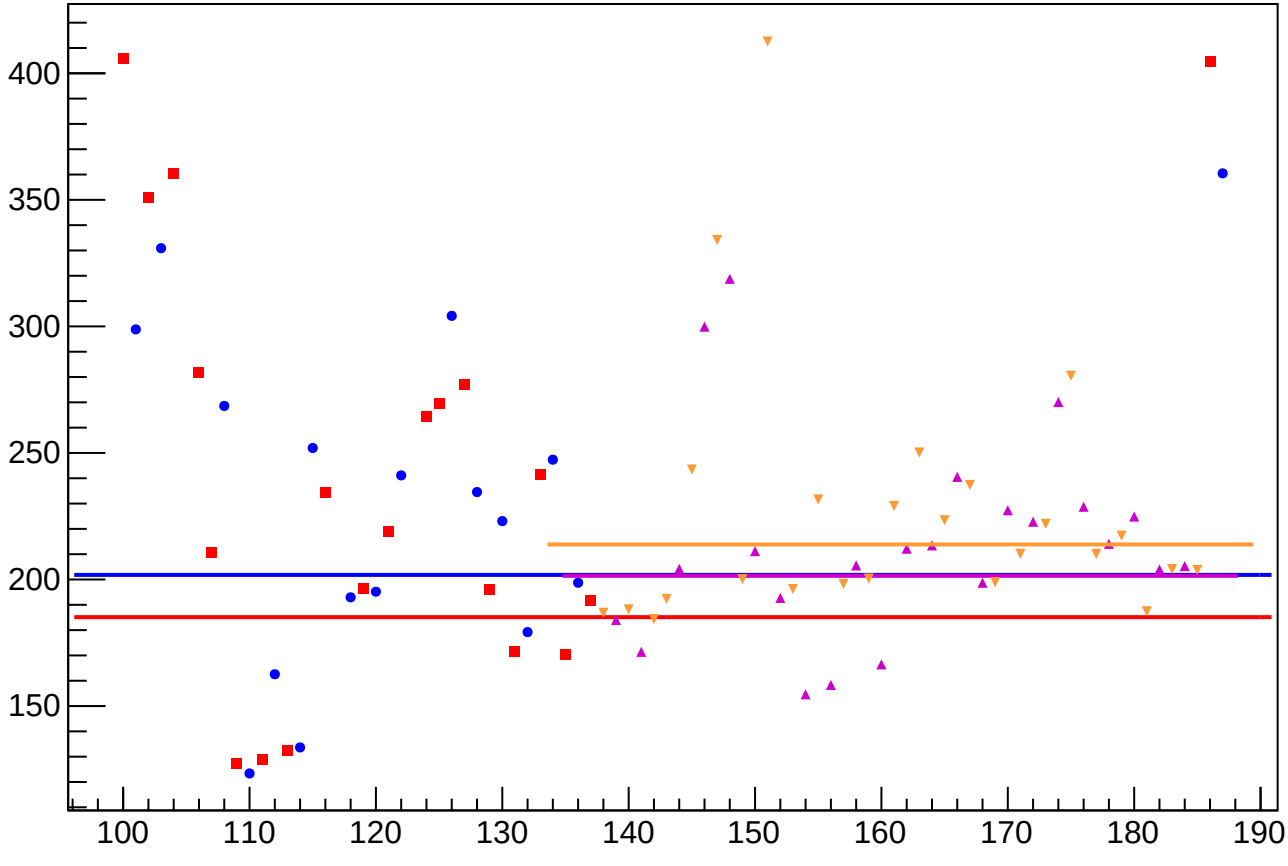
Right: -646.004+/-52.605 χ^2/NDF: 1845.4/36

In: 208.566+/-41.241 χ^2/NDF:1797.6/39

Out: 264.943+/-40.764 χ^2/NDF:3715.9/44

All: 237.082+/-28.992 χ^2/NDF: 5514.5/84

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.818+/-0.055 χ^2/NDF: 1032618.5/16

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 185.125+/-0.050 χ^2/NDF: 1692375.1/19

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

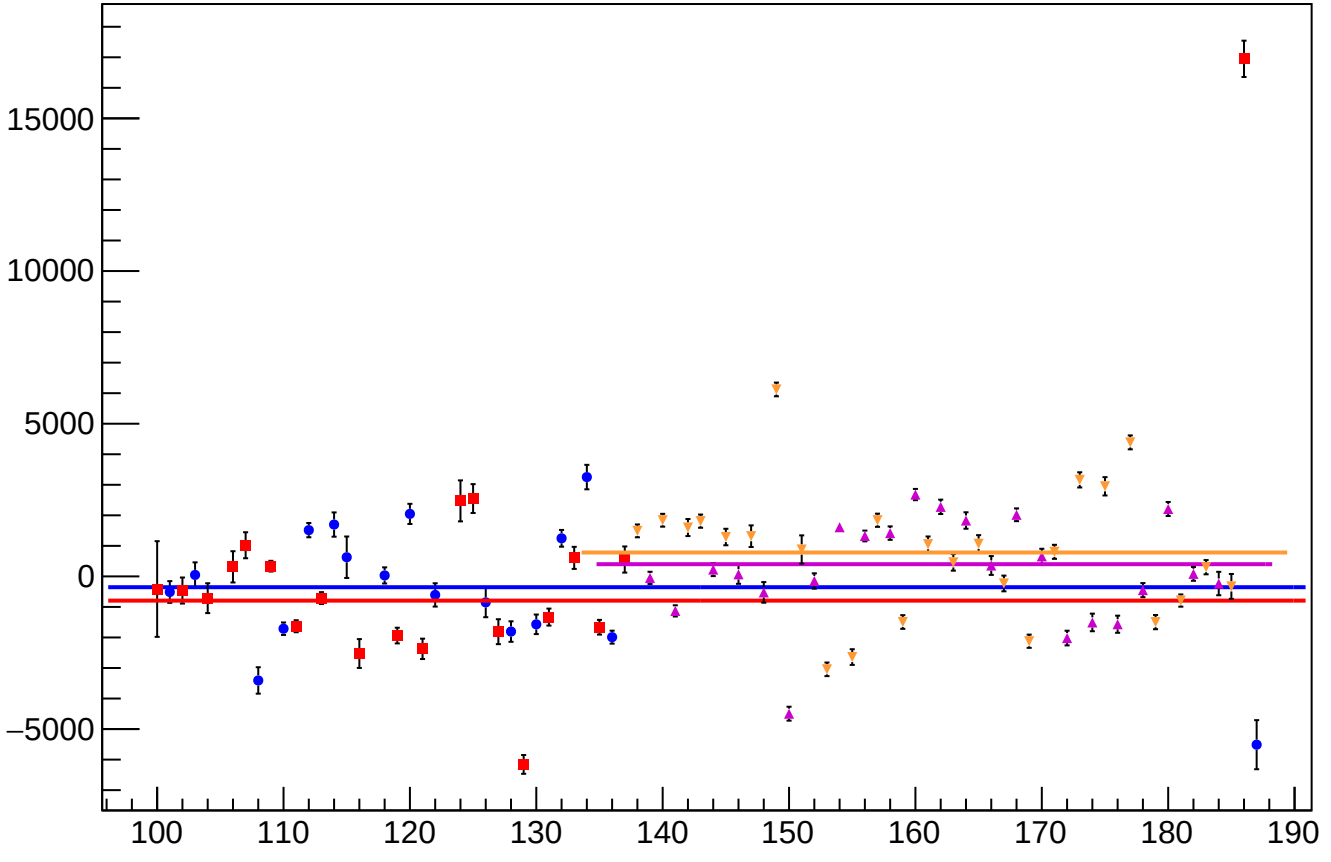
Right: 192.676+/-0.037 χ^2/NDF: 2774887.0/36

In: 201.549+/-0.029 χ^2/NDF:2094623.6/39

Out: 204.402+/-0.029 χ^2/NDF:2875123.9/44

All: 202.992+/-0.021 χ^2/NDF: 4974587.4/84

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -354.038+/-77.506 χ^2/NDF: 493.4/16

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -793.568+/-70.327 χ^2/NDF: 1454.7/19

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

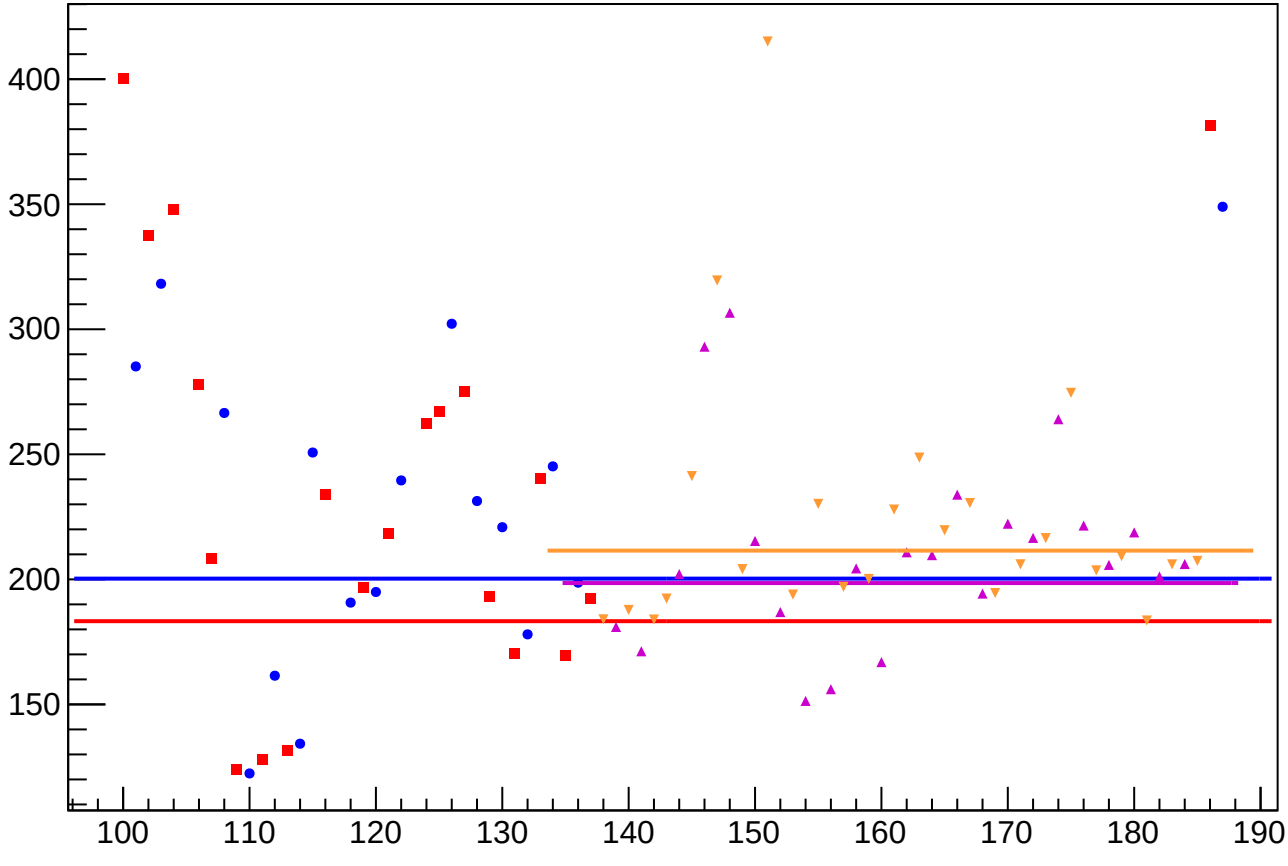
Right: -595.097+/-52.082 χ^2/NDF: 1965.7/36

In: 191.961+/-40.696 χ^2/NDF:1793.9/39

Out: 264.540+/-40.313 χ^2/NDF:3793.1/44

All: 228.594+/-28.640 χ^2/NDF: 5588.6/84

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 200.298+/-0.055 χ^2/NDF: 981824.9/16

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 183.283+/-0.050 χ^2/NDF: 1659716.7/19

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

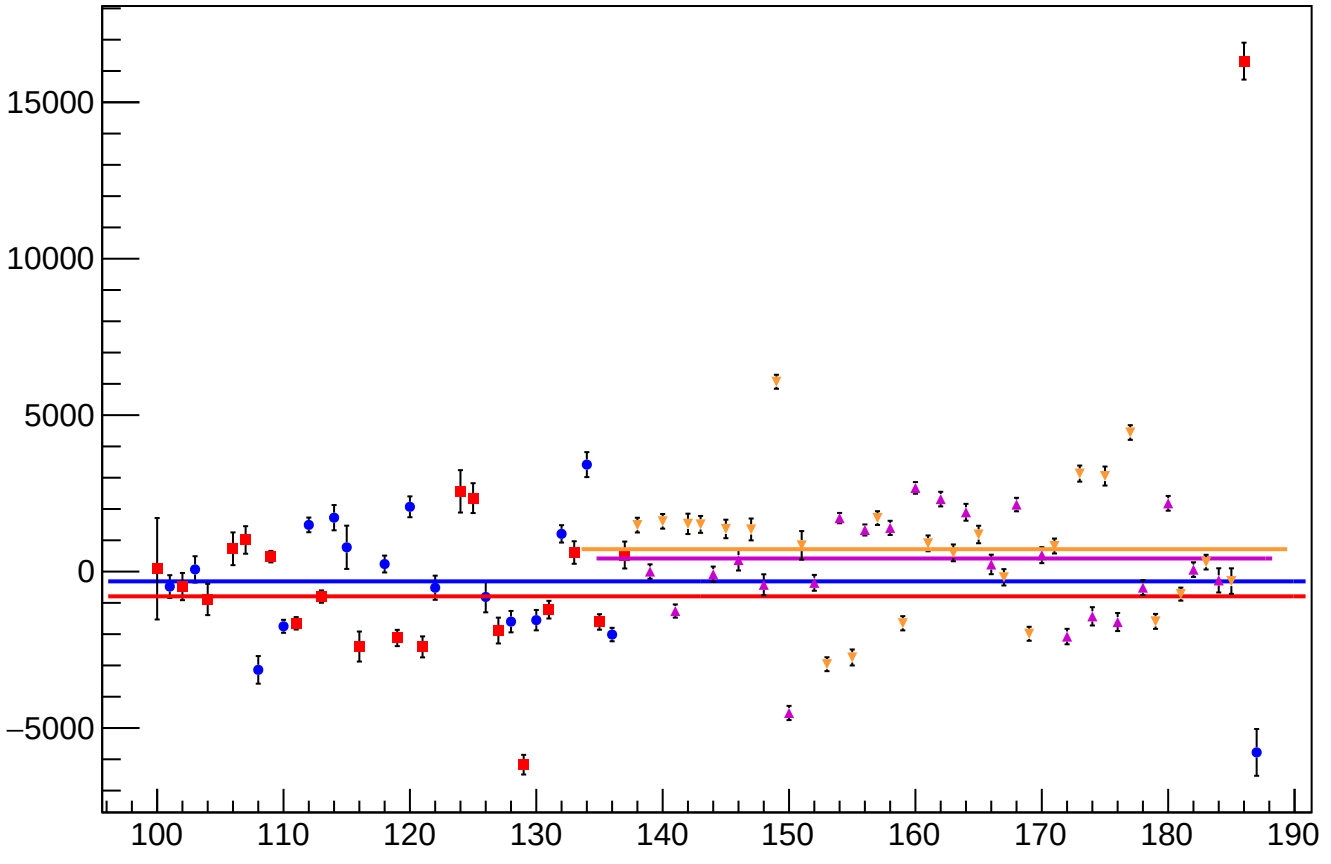
Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

Right: 190.966+/-0.037 χ^2/NDF: 2694402.0/36

In: 199.013+/-0.029 χ^2/NDF:1989041.6/39

Out: 202.225+/-0.029 χ^2/NDF:2810796.1/44

All: 200.634+/-0.020 χ^2/NDF: 4806125.6/84



Right In: -312.779+/-78.537 χ^2/NDF: 495.3/16

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -791.057+/-71.656 χ^2/NDF: 1399.9/19

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

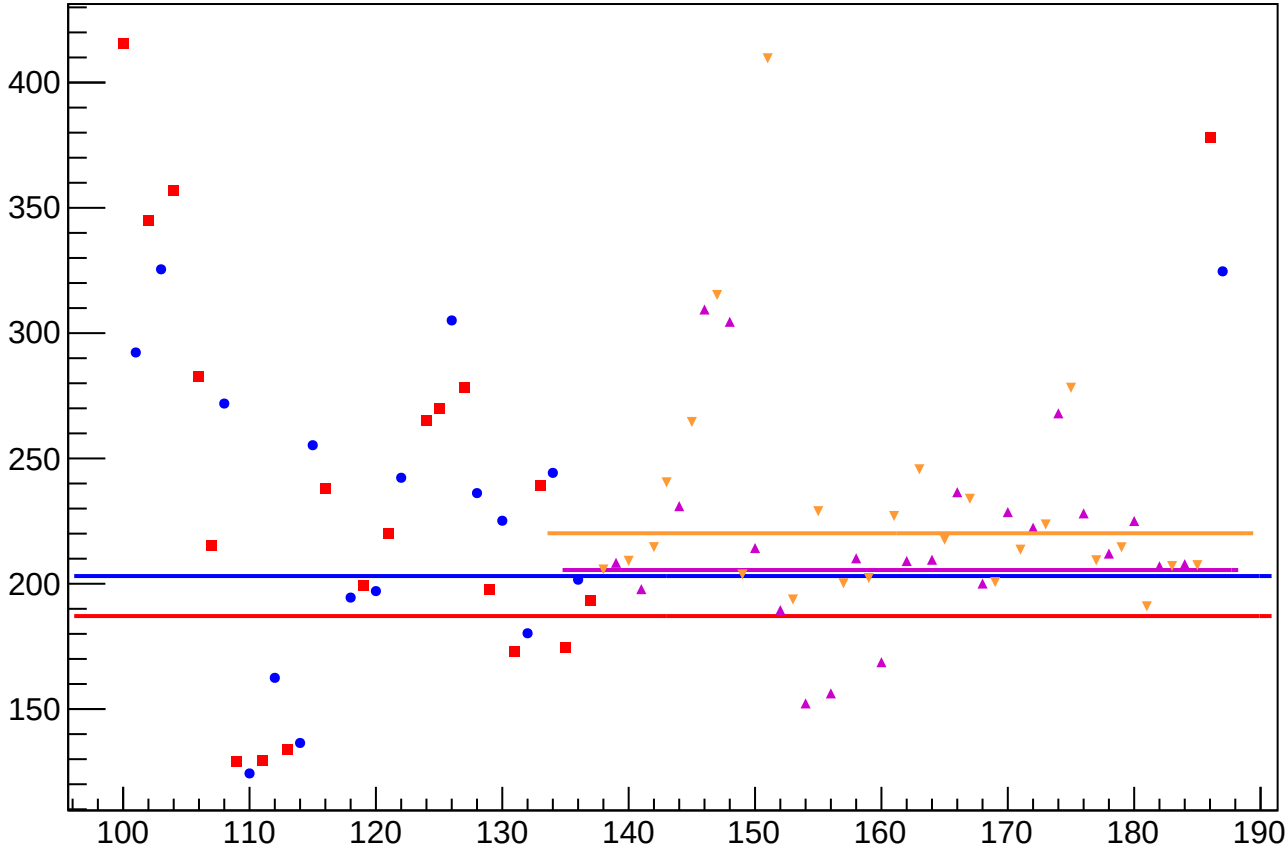
Right: -573.786+/-52.934 χ^2/NDF: 1915.4/36

In: 210.506+/-41.890 χ^2/NDF:1798.3/39

Out: 207.581+/-41.610 χ^2/NDF:3610.9/44

All: 209.033+/-29.521 χ^2/NDF: 5409.2/84

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 203.070+/-0.056 χ^2/NDF: 977689.5/16

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 187.105+/-0.051 χ^2/NDF: 1616735.2/19

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

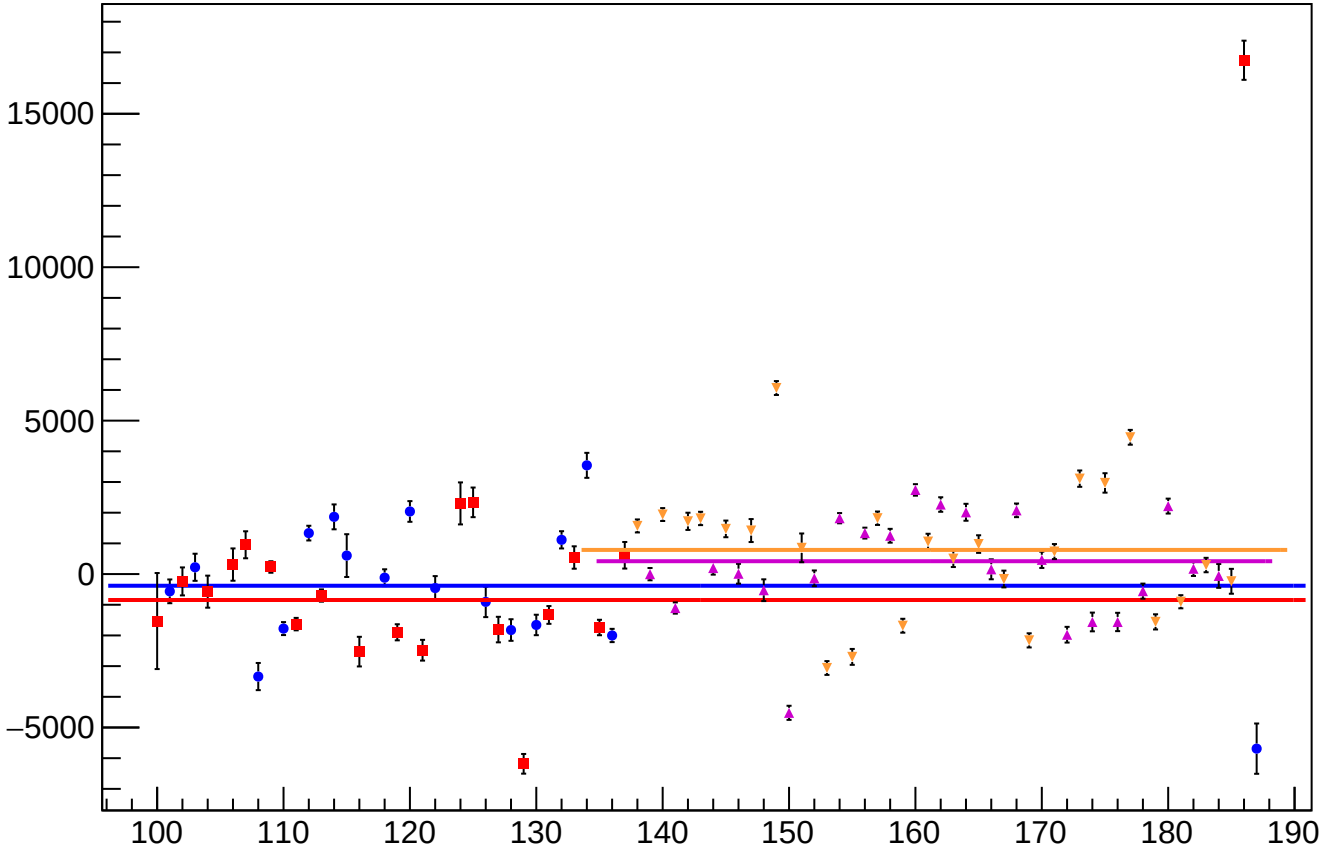
Right: 194.357+/-0.037 χ^2/NDF: 2639527.1/36

In: 204.795+/-0.030 χ^2/NDF:1993004.1/39

Out: 209.004+/-0.029 χ^2/NDF:2698270.3/44

All: 206.914+/-0.021 χ^2/NDF: 4701434.5/84

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -380.426+/-79.983 χ^2/NDF: 478.8/16

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -845.083+/-72.923 χ^2/NDF: 1272.0/19

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

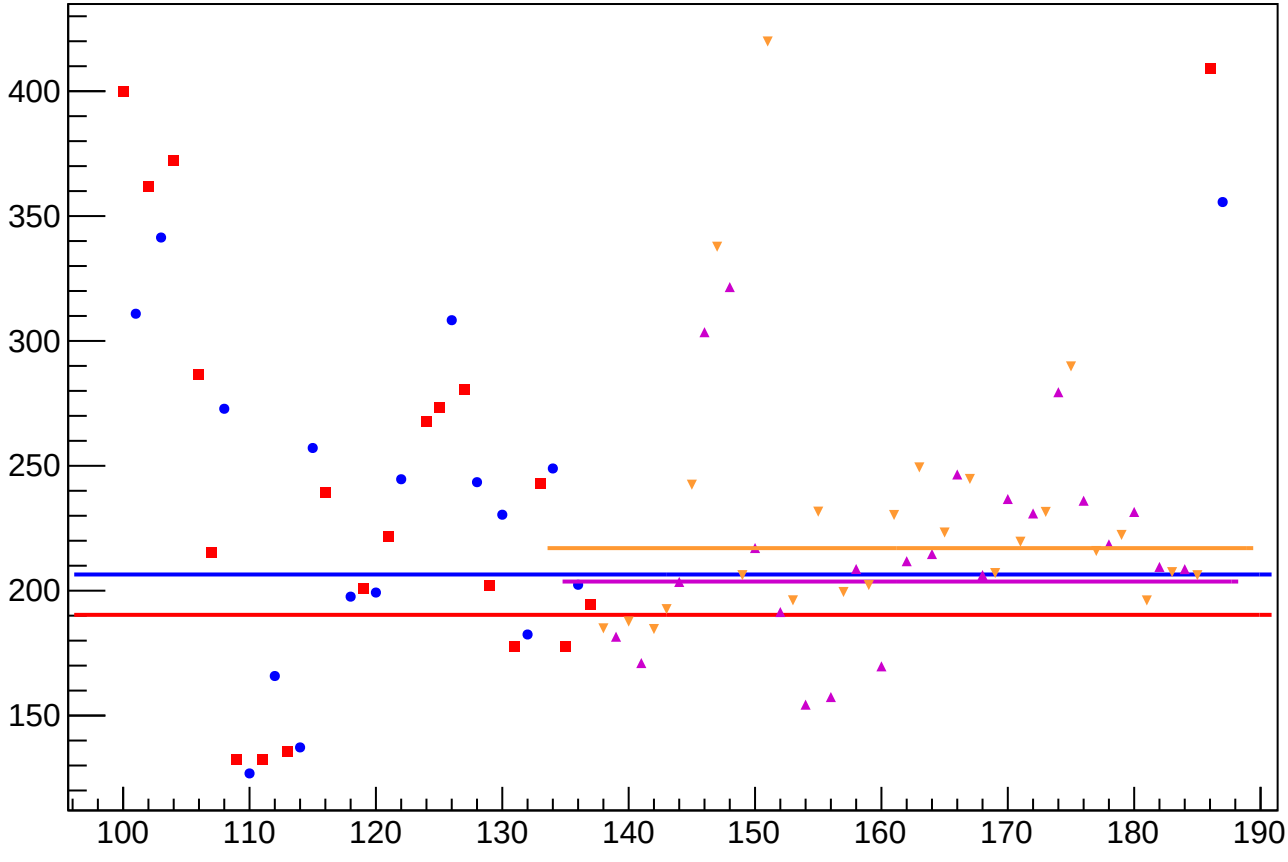
Right: -634.164+/-53.888 χ^2/NDF: 1769.2/36

In: 199.733+/-41.877 χ^2/NDF:1762.2/39

Out: 257.607+/-41.530 χ^2/NDF:3547.9/44

All: 228.910+/-29.488 χ^2/NDF: 5311.1/84

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 206.487+/-0.057 χ^2/NDF: 1029907.4/16

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 190.325+/-0.052 χ^2/NDF: 1648815.5/19

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

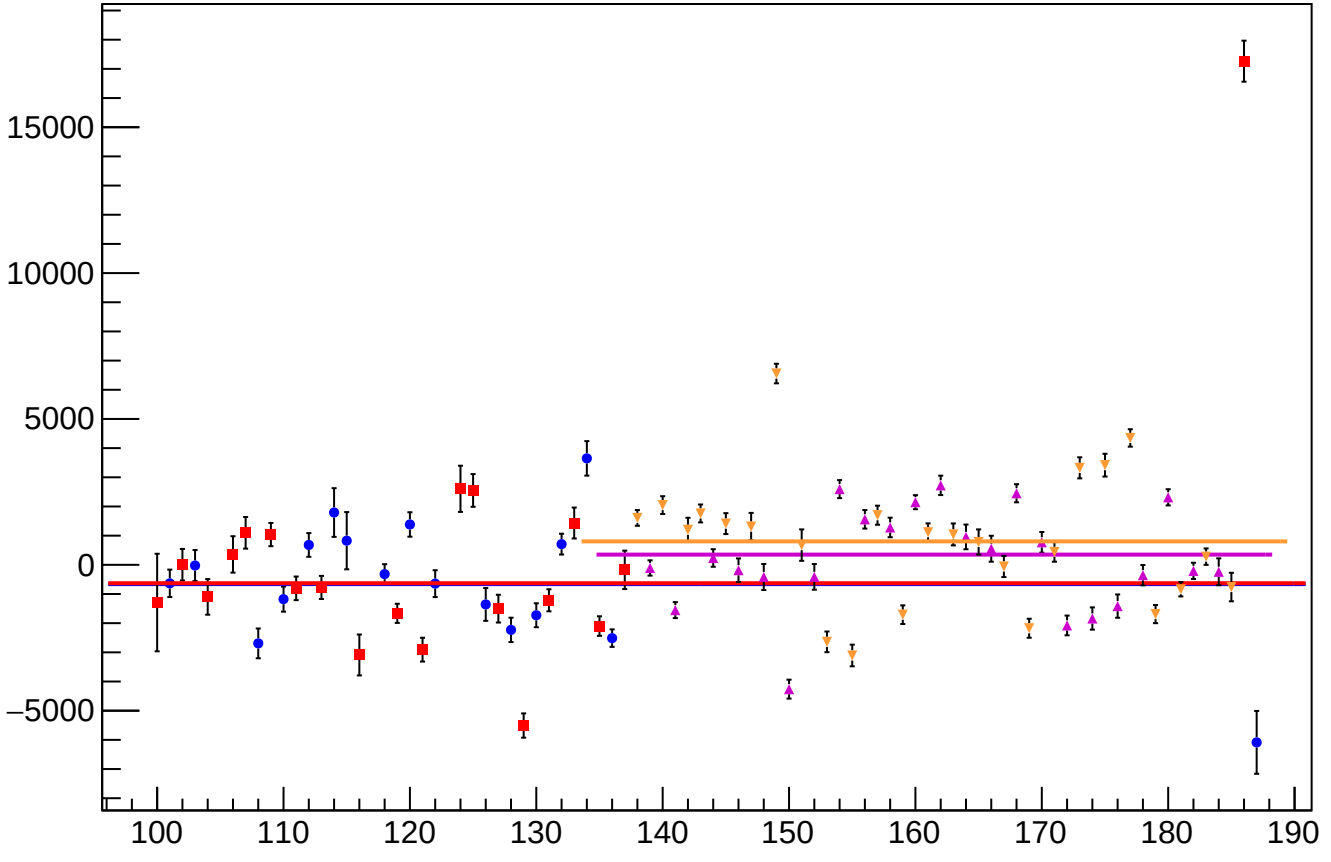
Right: 197.661+/-0.038 χ^2/NDF: 2723313.8/36

In: 204.435+/-0.030 χ^2/NDF:2197055.6/39

Out: 208.375+/-0.029 χ^2/NDF:2813339.6/44

All: 206.422+/-0.021 χ^2/NDF: 5019323.5/84

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -661.172+/-110.113 χ^2/NDF: 219.2/16

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -630.587+/-107.003 χ^2/NDF: 960.3/19

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

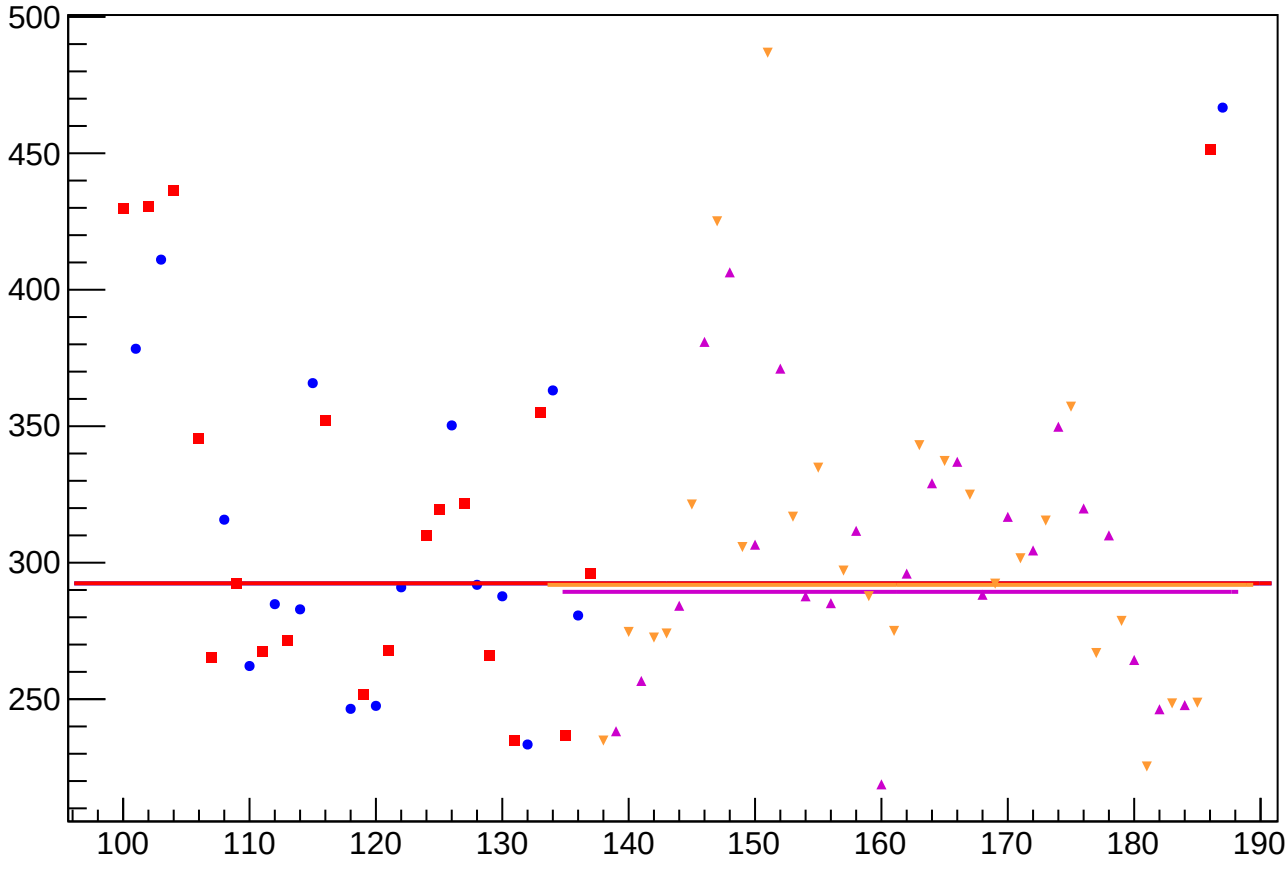
Right: -645.442+/-76.738 χ^2/NDF: 1179.5/36

In: 65.056+/-58.460 χ^2/NDF:935.9/39

Out: 393.785+/-57.207 χ^2/NDF:2146.3/44

All: 232.981+/-40.887 χ^2/NDF: 3098.3/84

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 292.408+/-0.078 χ^2/NDF: 412763.9/16

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 292.450+/-0.076 χ^2/NDF: 593568.4/19

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

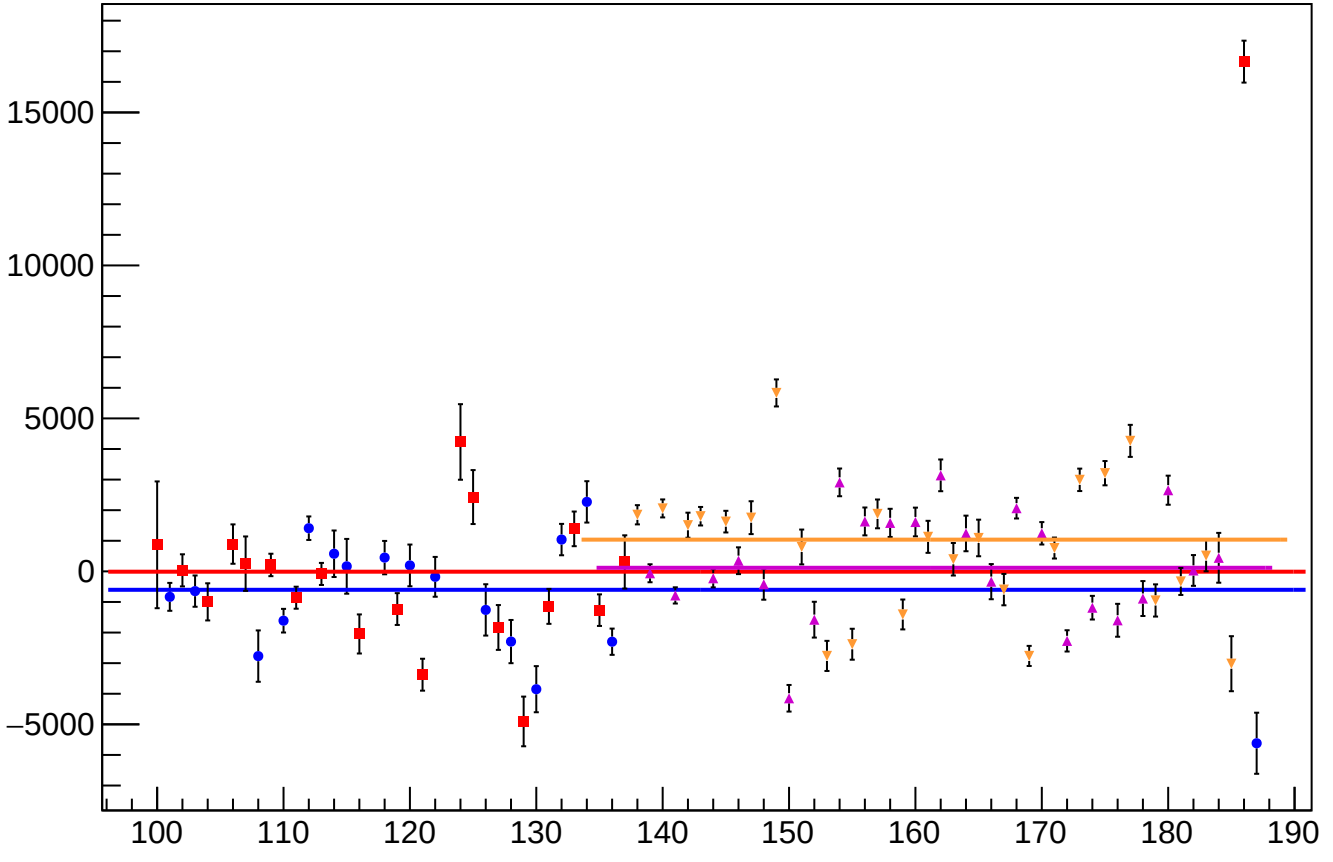
Right: 292.430+/-0.054 χ^2/NDF: 1006332.4/36

In: 290.191+/-0.041 χ^2/NDF:1222498.1/39

Out: 292.045+/-0.040 χ^2/NDF:1553527.9/44

All: 291.138+/-0.029 χ^2/NDF: 2777053.3/84

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -602.340+/-138.700 χ^2/NDF: 144.0/16

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -10.439+/-127.351 χ^2/NDF: 738.3/19

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

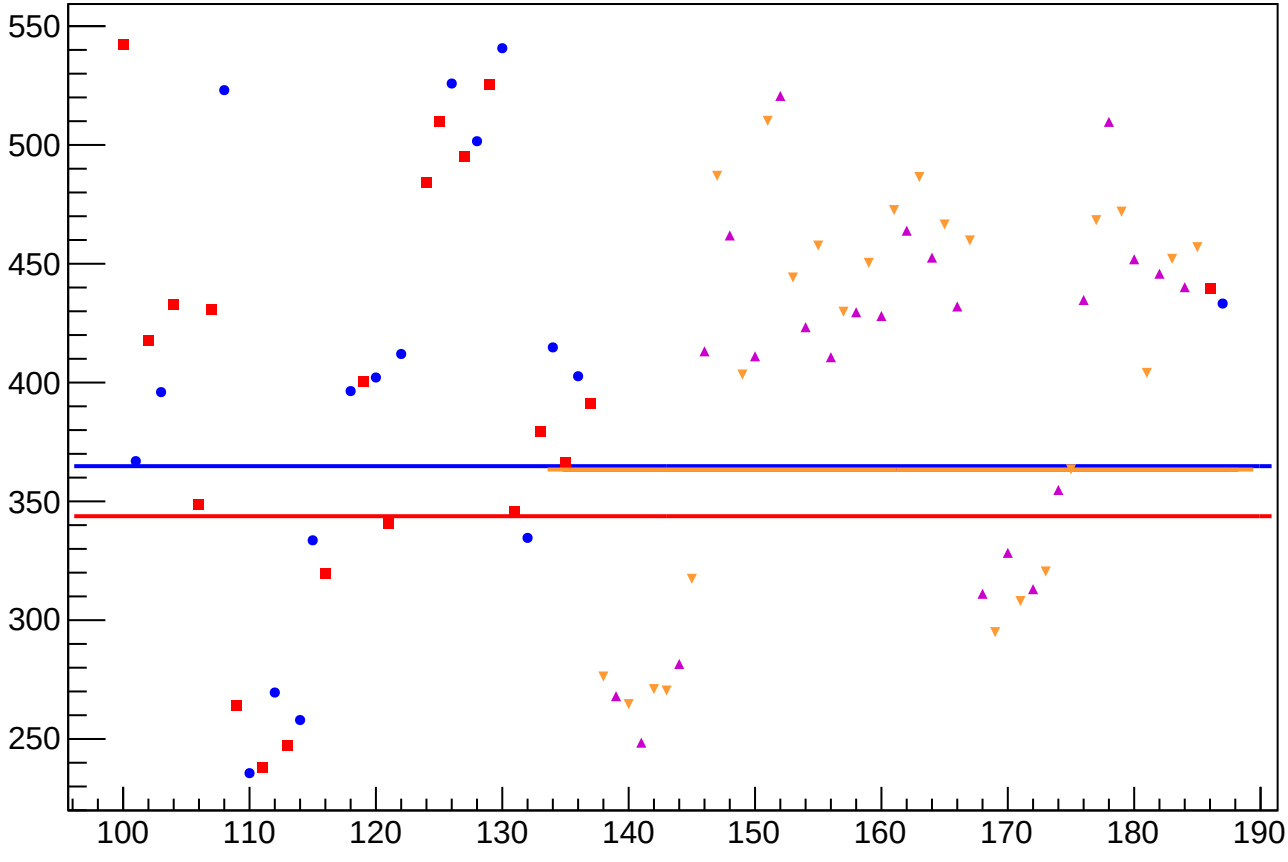
Right: -281.185+/-93.807 χ^2/NDF: 892.1/36

In: -87.502+/-73.981 χ^2/NDF:533.6/39

Out: 713.364+/-70.814 χ^2/NDF:1355.2/44

All: 330.440+/-51.156 χ^2/NDF: 1950.0/84

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 364.817+/-0.098 χ^2/NDF: 790469.7/16

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 343.756+/-0.090 χ^2/NDF: 896644.4/19

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

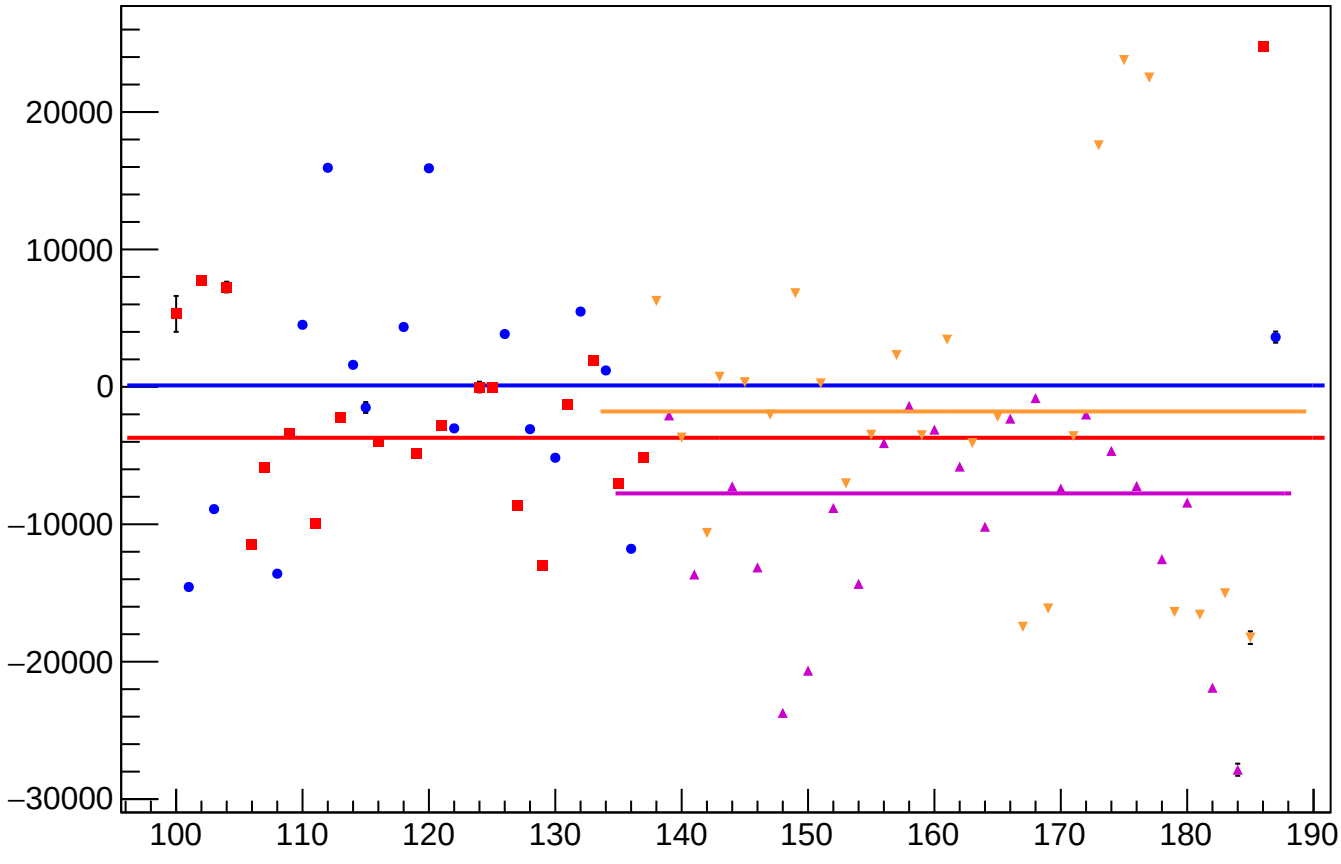
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 353.390+/-0.066 χ^2/NDF: 1712134.8/36

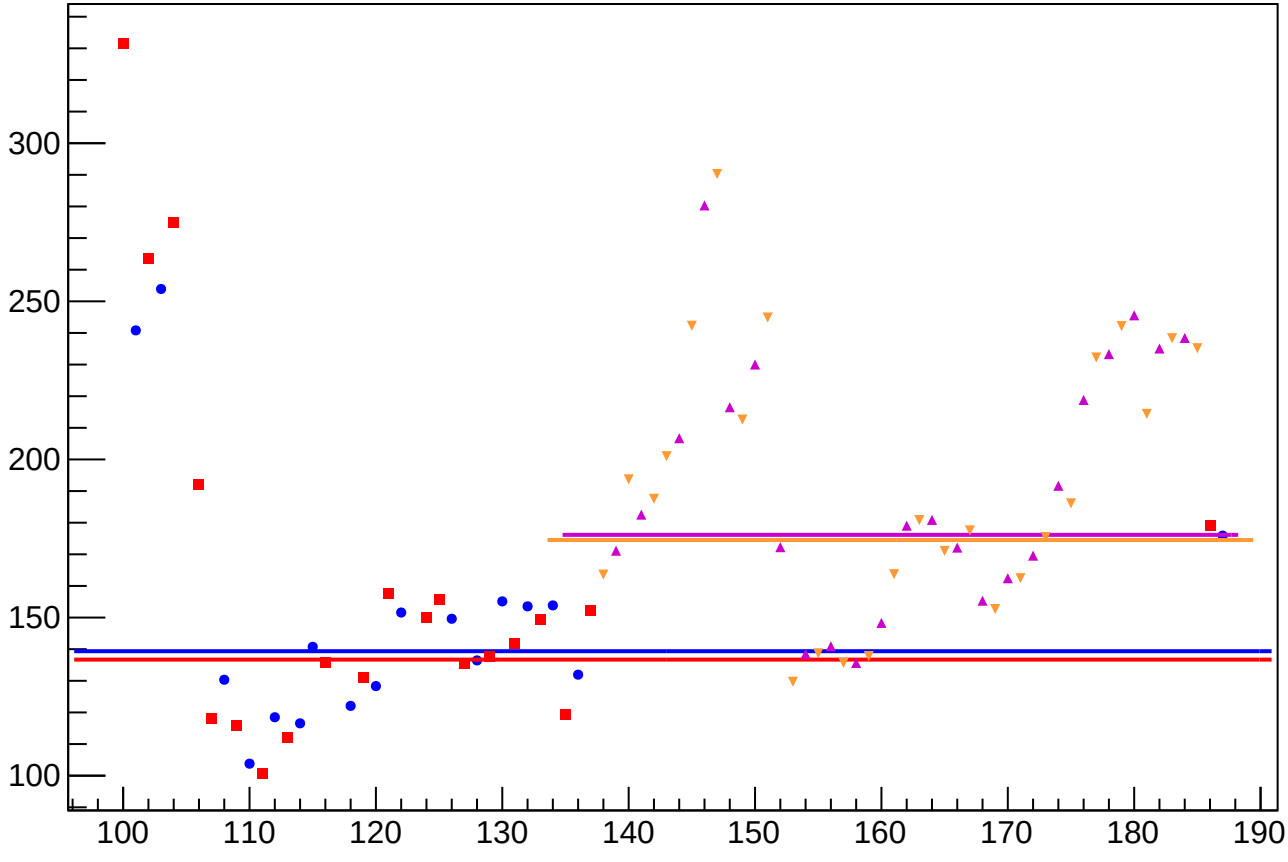
In: 363.793+/-0.052 χ^2/NDF:2502221.2/39

Out: 357.317+/-0.050 χ^2/NDF:2869970.7/44

All: 360.414+/-0.036 χ^2/NDF: 5380189.9/84


asym_bpm0i02WS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 103.776+/-53.721 χ²/NDF: 30862.9/16
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: -3705.891+/-51.218 χ²/NDF: 18474.1/19
Left In: -7754.468+/-42.571 χ²/NDF:23278.0/22
Left: -4653.749+/-29.498 χ²/NDF: 99228.2/47
Right: -1891.869+/-37.070 χ²/NDF: 51971.4/36
In: -4723.202+/-33.365 χ²/NDF:67284.7/39
Out: -2536.413+/-31.965 χ²/NDF:85074.0/44
All: -3582.965+/-23.082 χ²/NDF: 154598.5/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 139.365+/-0.038 χ^2/NDF: 674344.4/16

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 136.705+/-0.036 χ^2/NDF: 937076.9/19

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

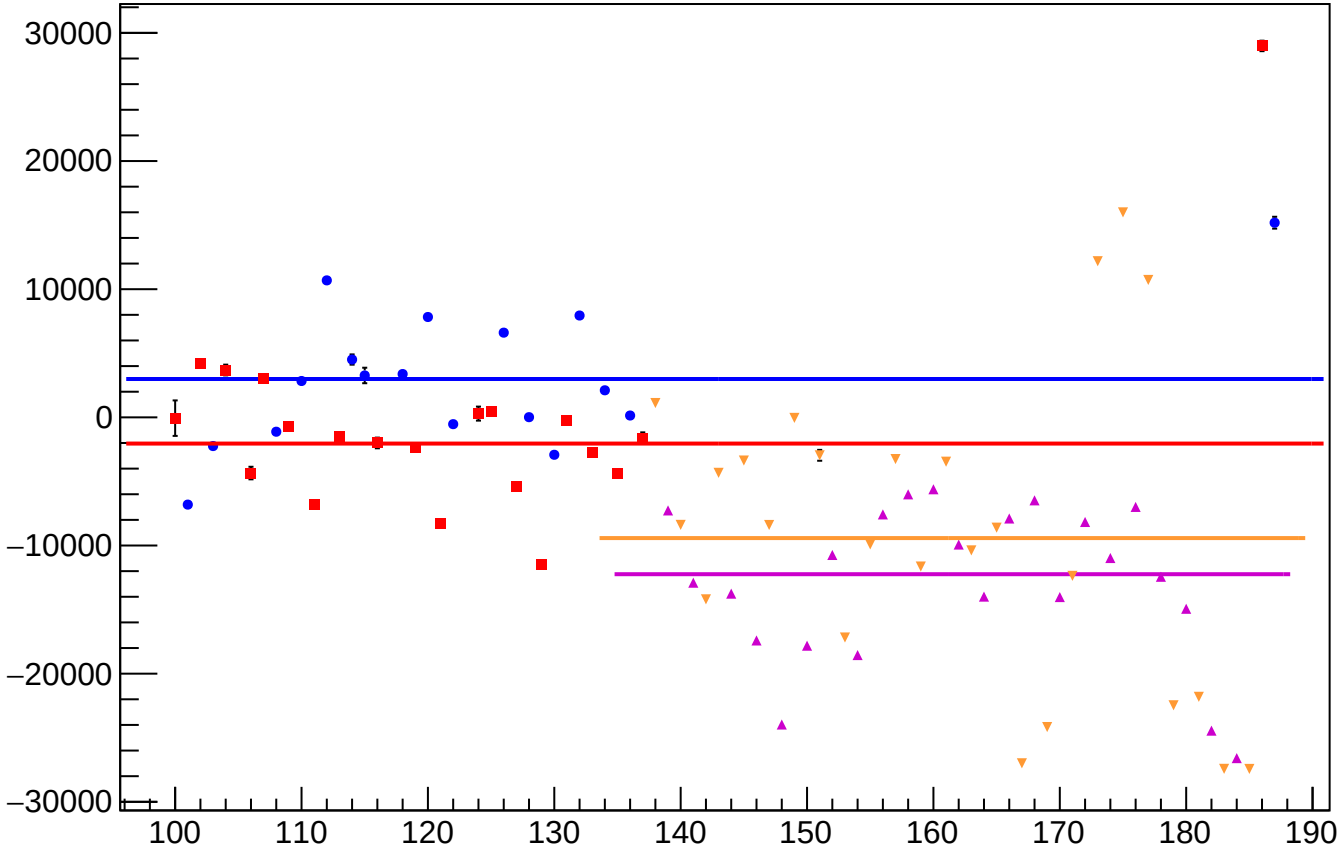
Right: 137.972+/-0.026 χ^2/NDF: 1613990.0/36

In: 161.963+/-0.024 χ^2/NDF:2617554.9/39

Out: 159.792+/-0.023 χ^2/NDF:3262135.0/44

All: 160.831+/-0.016 χ^2/NDF: 5884108.3/84

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2992.782+/-68.485 χ^2/NDF: 4838.9/16

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -2045.788+/-64.052 χ^2/NDF: 8946.0/19

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

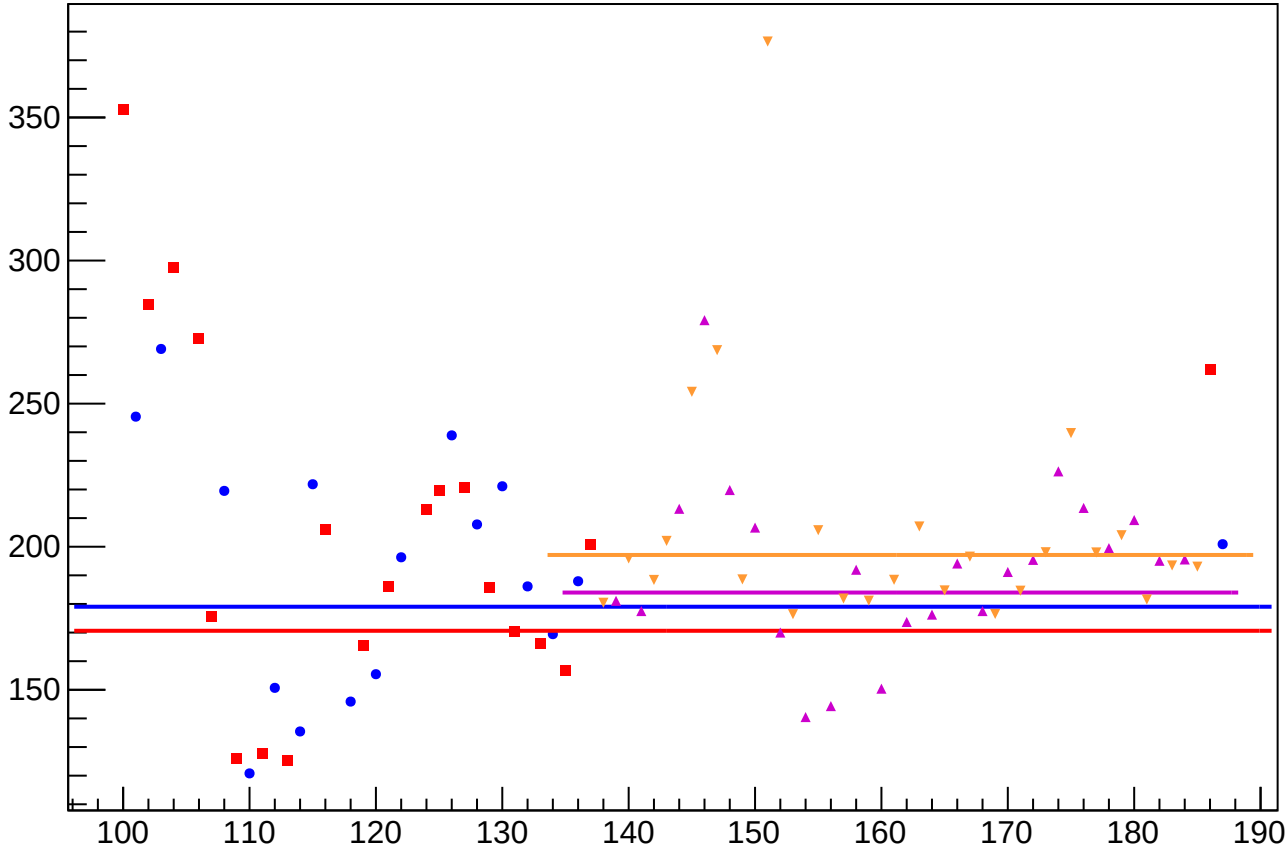
Right: 305.167+/-46.780 χ^2/NDF: 16672.1/36

In: -7760.528+/-37.134 χ^2/NDF:55776.2/39

Out: -6932.701+/-37.201 χ^2/NDF:82449.1/44

All: -7347.355+/-26.281 χ^2/NDF: 138473.3/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 179.030+/-0.048 χ^2/NDF: 679126.7/16

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.626+/-0.045 χ^2/NDF: 1081569.4/19

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

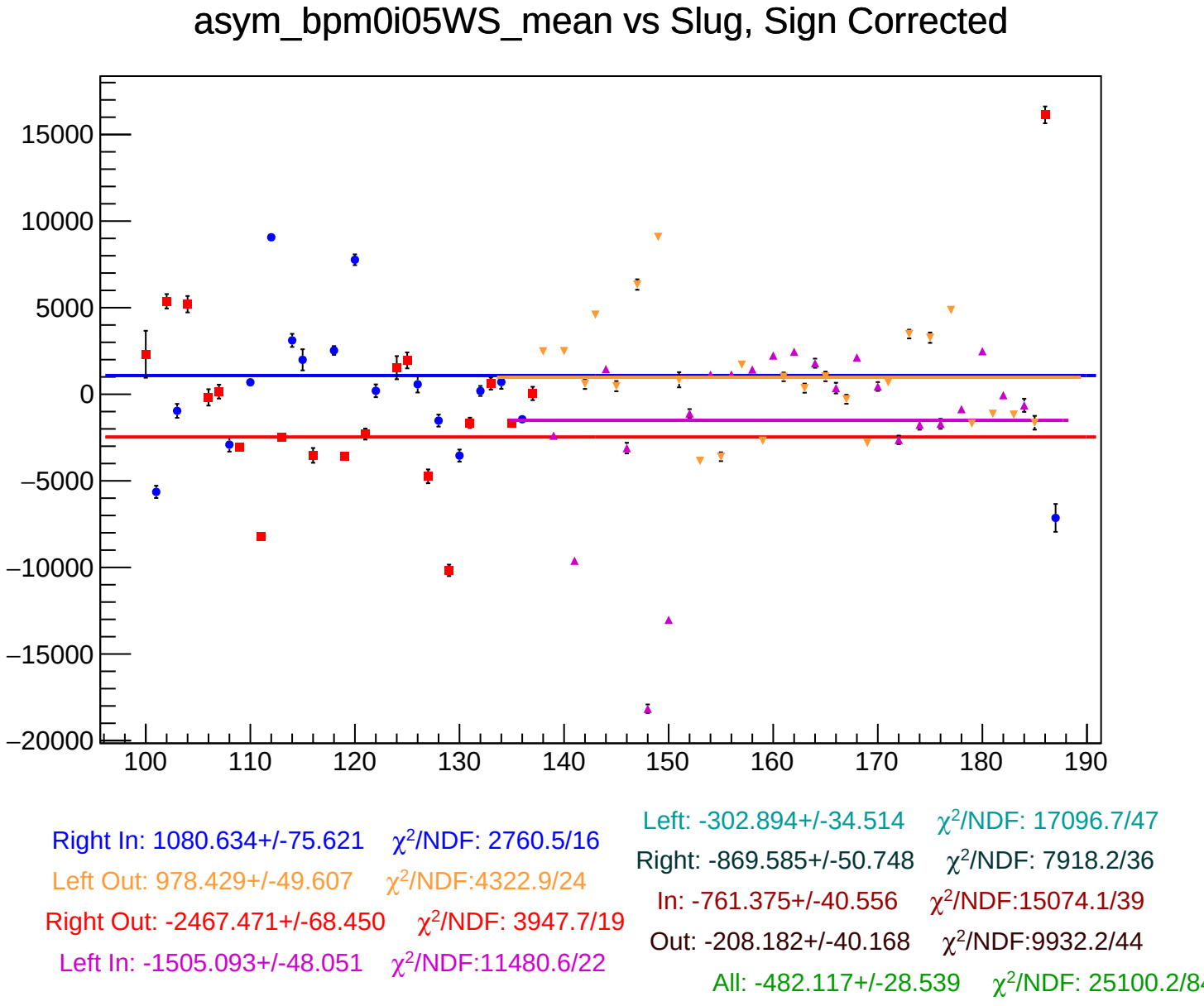
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.547+/-0.033 χ^2/NDF: 1776761.8/36

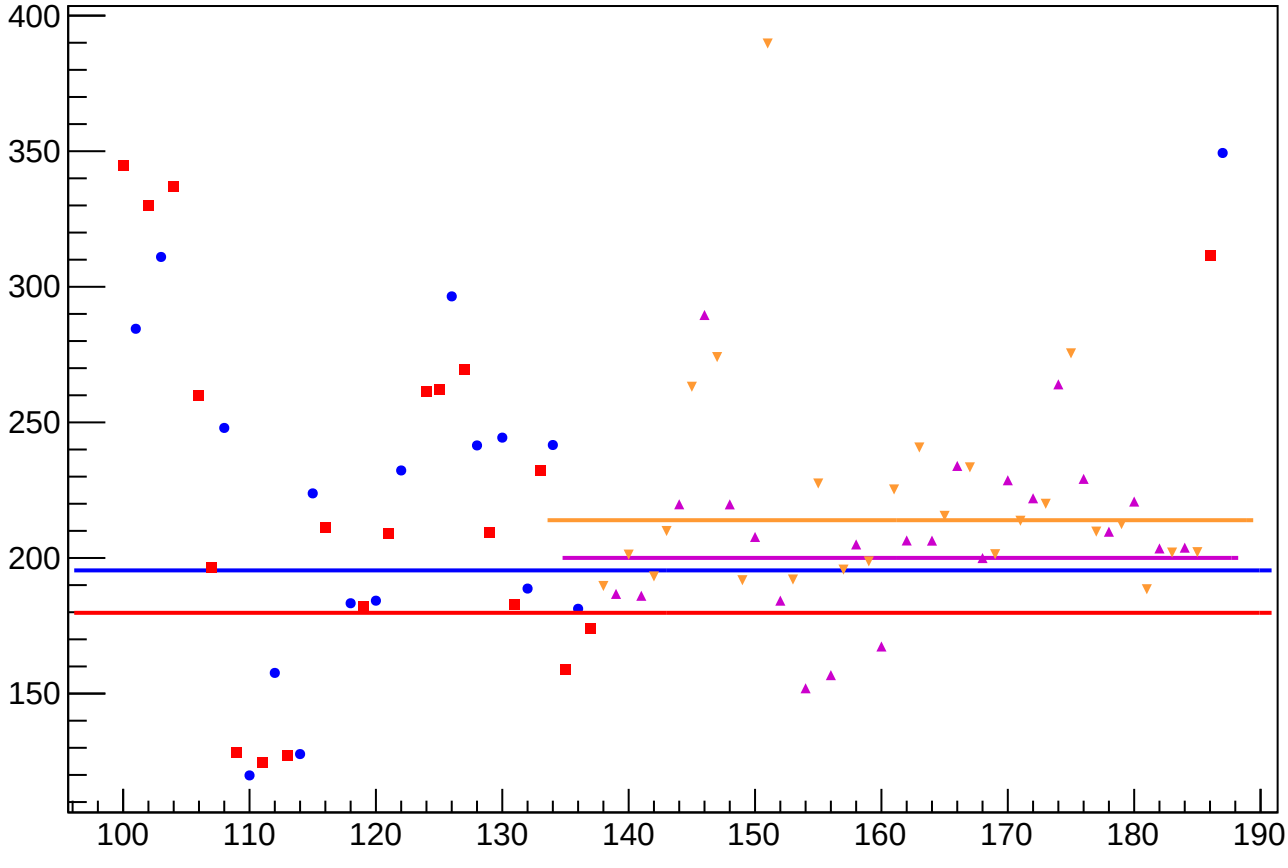
In: 182.529+/-0.026 χ^2/NDF:1516296.9/39

Out: 188.185+/-0.026 χ^2/NDF:2040900.1/44

All: 185.352+/-0.019 χ^2/NDF: 3580356.2/84


asym_bpm0i05WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1080.634+/-75.621 χ²/NDF: 2760.5/16
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -2467.471+/-68.450 χ²/NDF: 3947.7/19
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -869.585+/-50.748 χ²/NDF: 7918.2/36
In: -761.375+/-40.556 χ²/NDF:15074.1/39
Out: -208.182+/-40.168 χ²/NDF:9932.2/44
All: -482.117+/-28.539 χ²/NDF: 25100.2/84

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 195.423+/-0.053 χ^2/NDF: 1039563.9/16

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 179.780+/-0.048 χ^2/NDF: 1509152.2/19

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

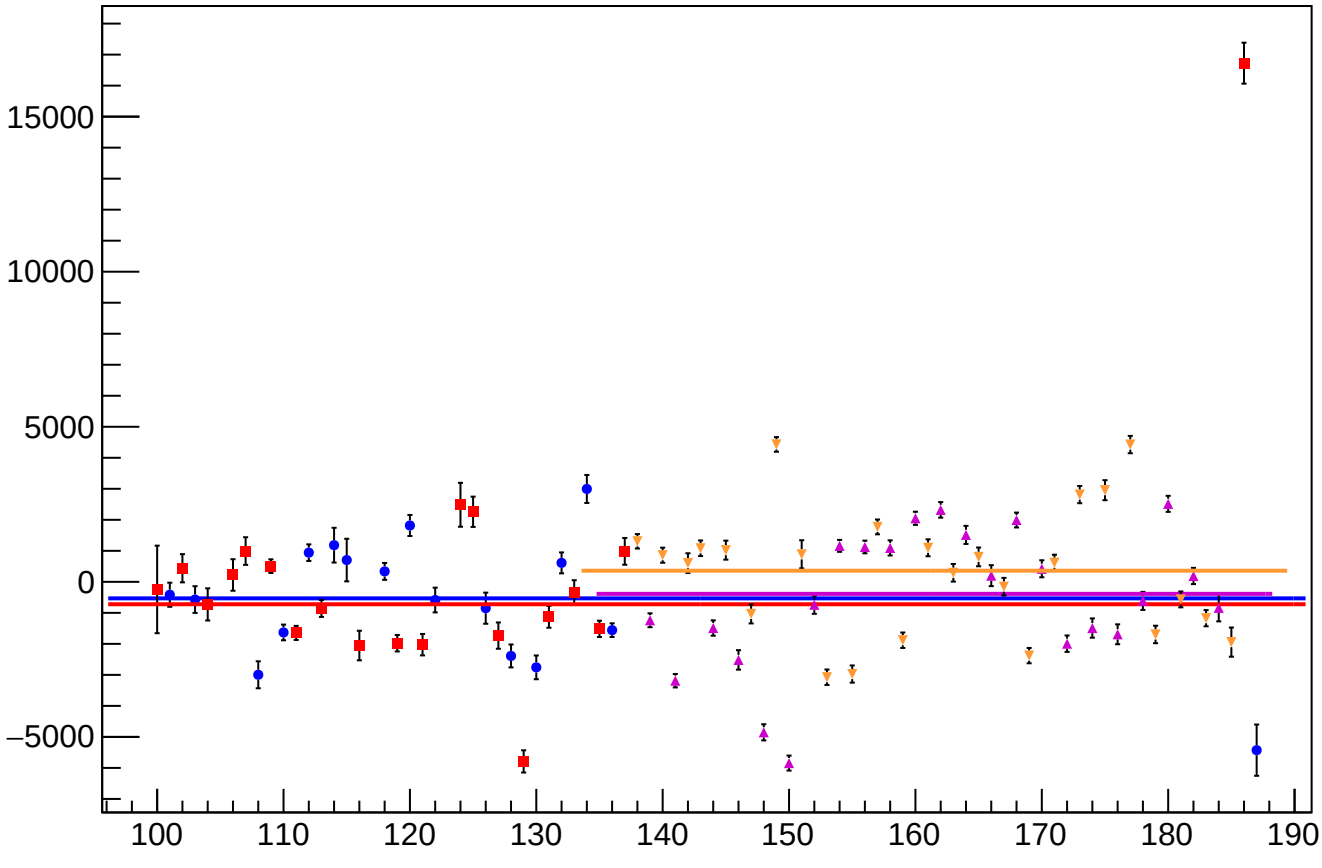
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 186.825+/-0.036 χ^2/NDF: 2595759.5/36

In: 198.705+/-0.029 χ^2/NDF:1830377.8/39

Out: 202.171+/-0.028 χ^2/NDF:2569202.5/44

All: 200.455+/-0.020 χ^2/NDF: 4406952.4/84



Right In: -533.128+/-86.212 χ^2/NDF: 340.9/16

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -722.616+/-80.345 χ^2/NDF: 1105.9/19

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

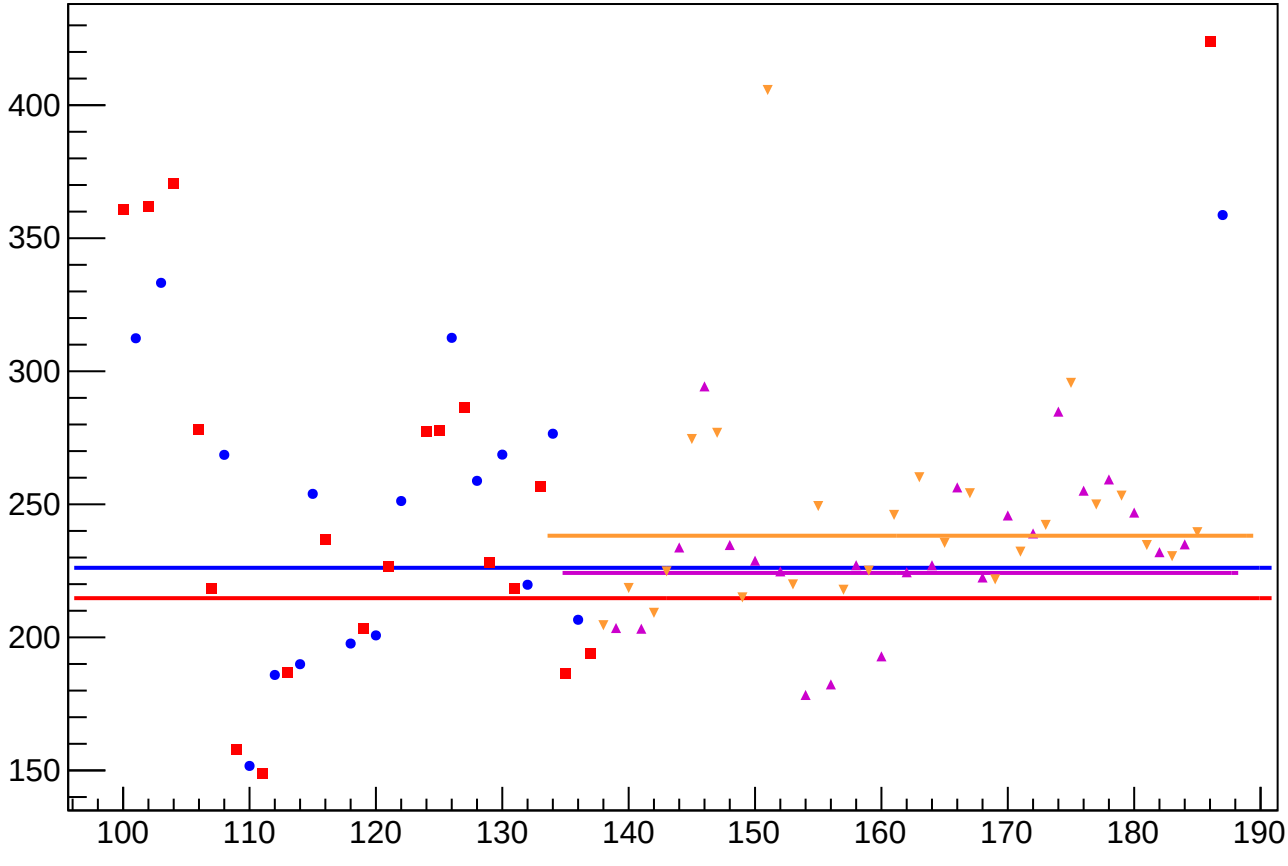
Right: -634.539+/-58.777 χ^2/NDF: 1449.4/36

In: -427.617+/-45.476 χ^2/NDF:2147.1/39

Out: 13.728+/-45.380 χ^2/NDF:2648.1/44

All: -206.479+/-32.122 χ^2/NDF: 4842.5/84

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 226.141+/-0.061 χ^2/NDF: 705203.8/16

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 214.733+/-0.057 χ^2/NDF: 1136119.8/19

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

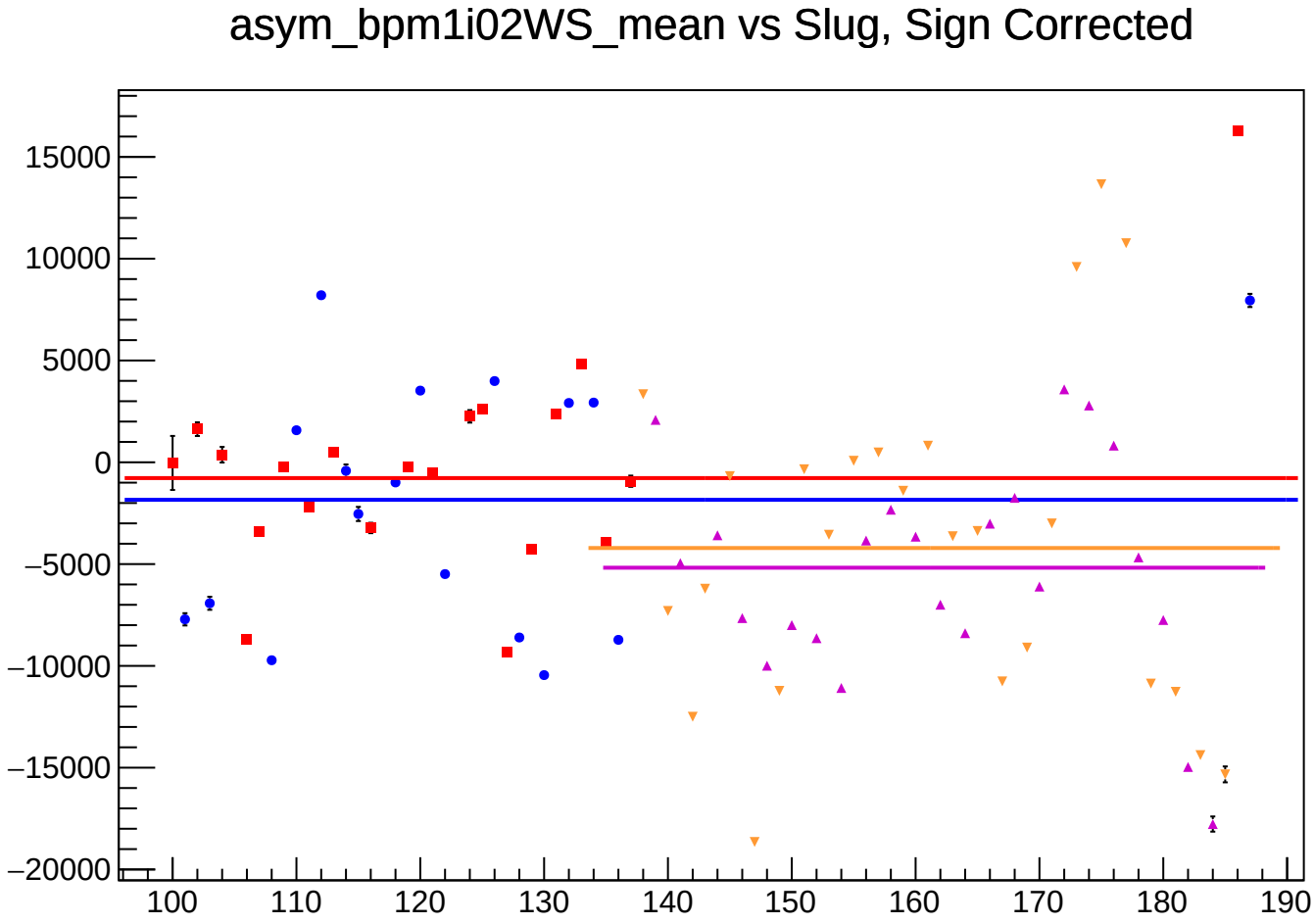
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 220.035+/-0.042 χ^2/NDF: 1860065.5/36

In: 224.749+/-0.032 χ^2/NDF:1269157.4/39

Out: 230.713+/-0.032 χ^2/NDF:1820240.4/44

All: 227.737+/-0.023 χ^2/NDF: 3106635.9/84



Right In: -1843.082+/-46.242 χ^2/NDF: 17644.3/16

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -774.895+/-43.891 χ^2/NDF: 12215.7/19

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

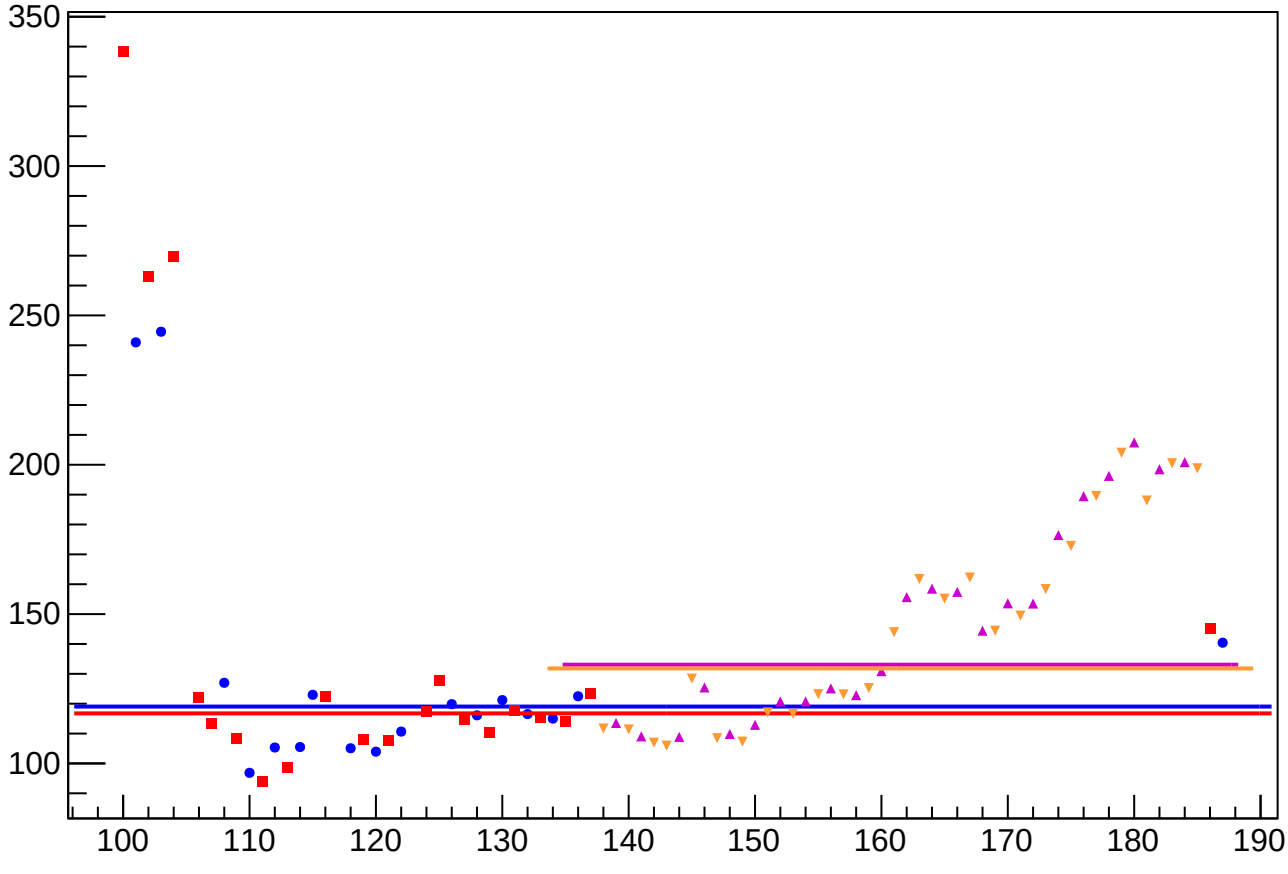
Right: -1281.138+/-31.834 χ^2/NDF: 30140.6/36

In: -4099.664+/-26.297 χ^2/NDF:39705.1/39

Out: -3075.566+/-25.227 χ^2/NDF:73121.6/44

All: -3566.365+/-18.205 χ^2/NDF: 113616.4/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 119.042+/-0.033 χ^2/NDF: 743072.6/16

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 116.757+/-0.031 χ^2/NDF: 896652.7/19

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

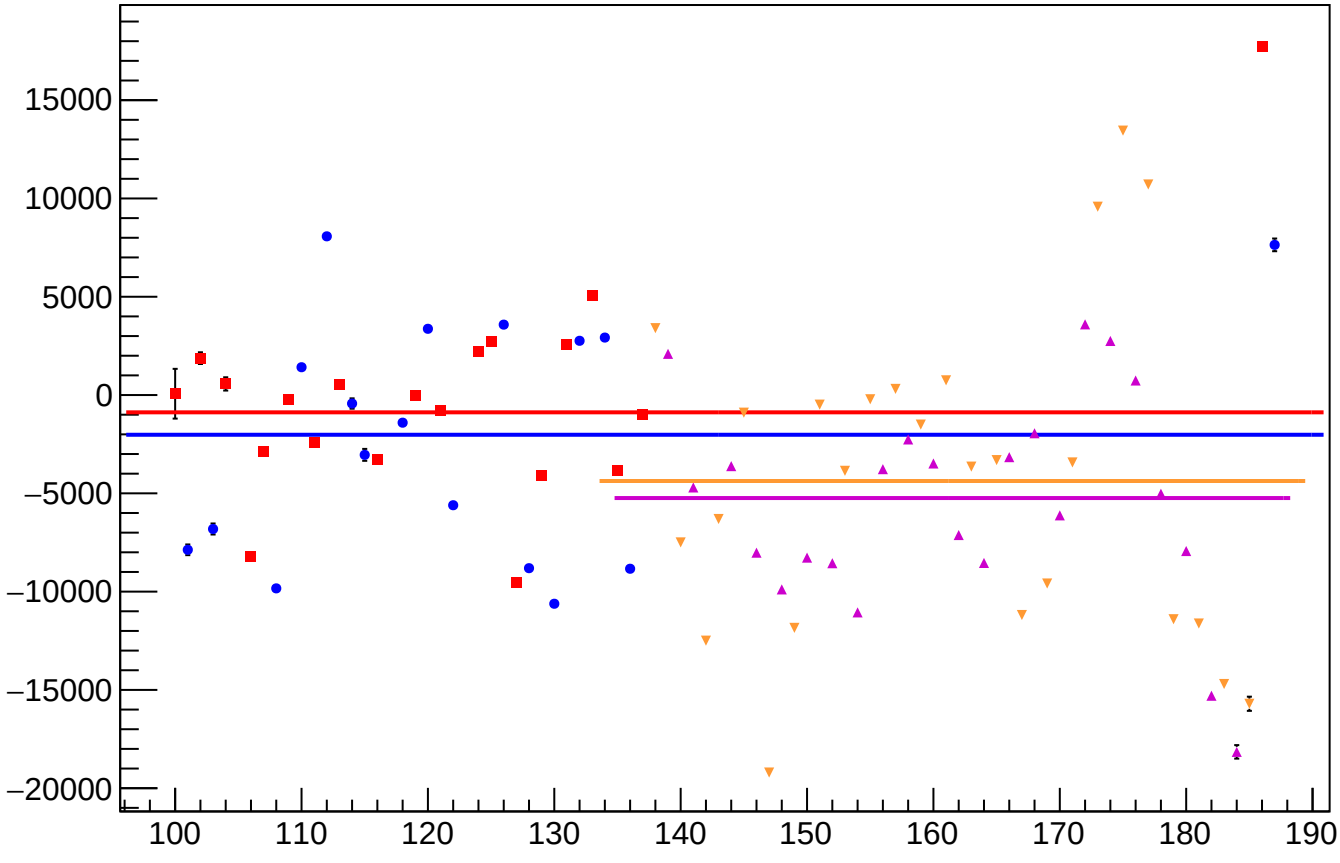
Right: 117.840+/-0.023 χ^2/NDF: 1642292.3/36

In: 128.527+/-0.019 χ^2/NDF:2285709.2/39

Out: 126.829+/-0.018 χ^2/NDF:2598255.3/44

All: 127.643+/-0.013 χ^2/NDF: 4888310.0/84

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2020.620+/-39.337 χ^2/NDF: 23781.6/16

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -879.755+/-37.473 χ^2/NDF: 15824.7/19

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

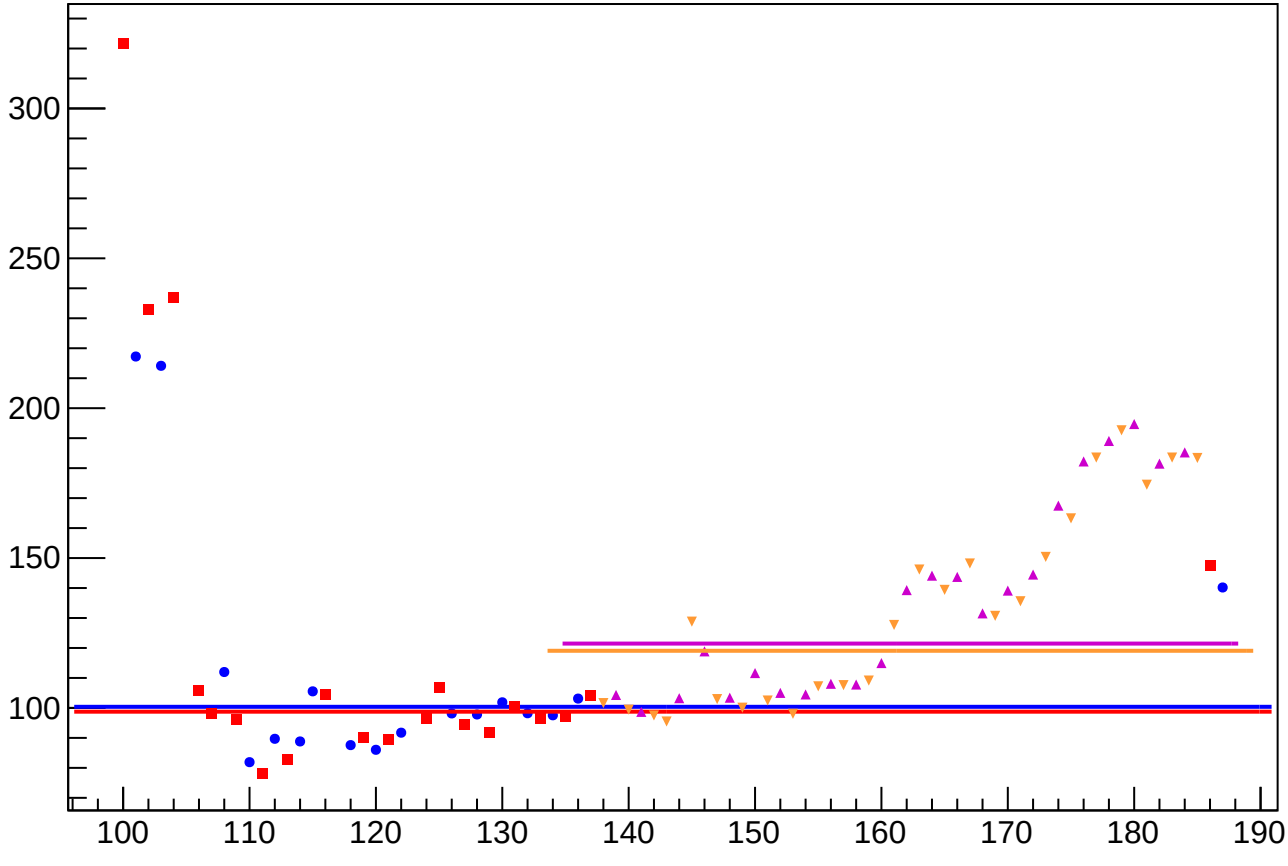
Right: -1422.510+/-27.132 χ^2/NDF: 40047.2/36

In: -4093.545+/-23.473 χ^2/NDF:50367.1/39

Out: -3123.827+/-22.407 χ^2/NDF:88625.4/44

All: -3586.165+/-16.208 χ^2/NDF: 139885.4/8

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 100.373+/-0.028 χ^2/NDF: 839955.6/16

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 98.748+/-0.026 χ^2/NDF: 1017951.0/19

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

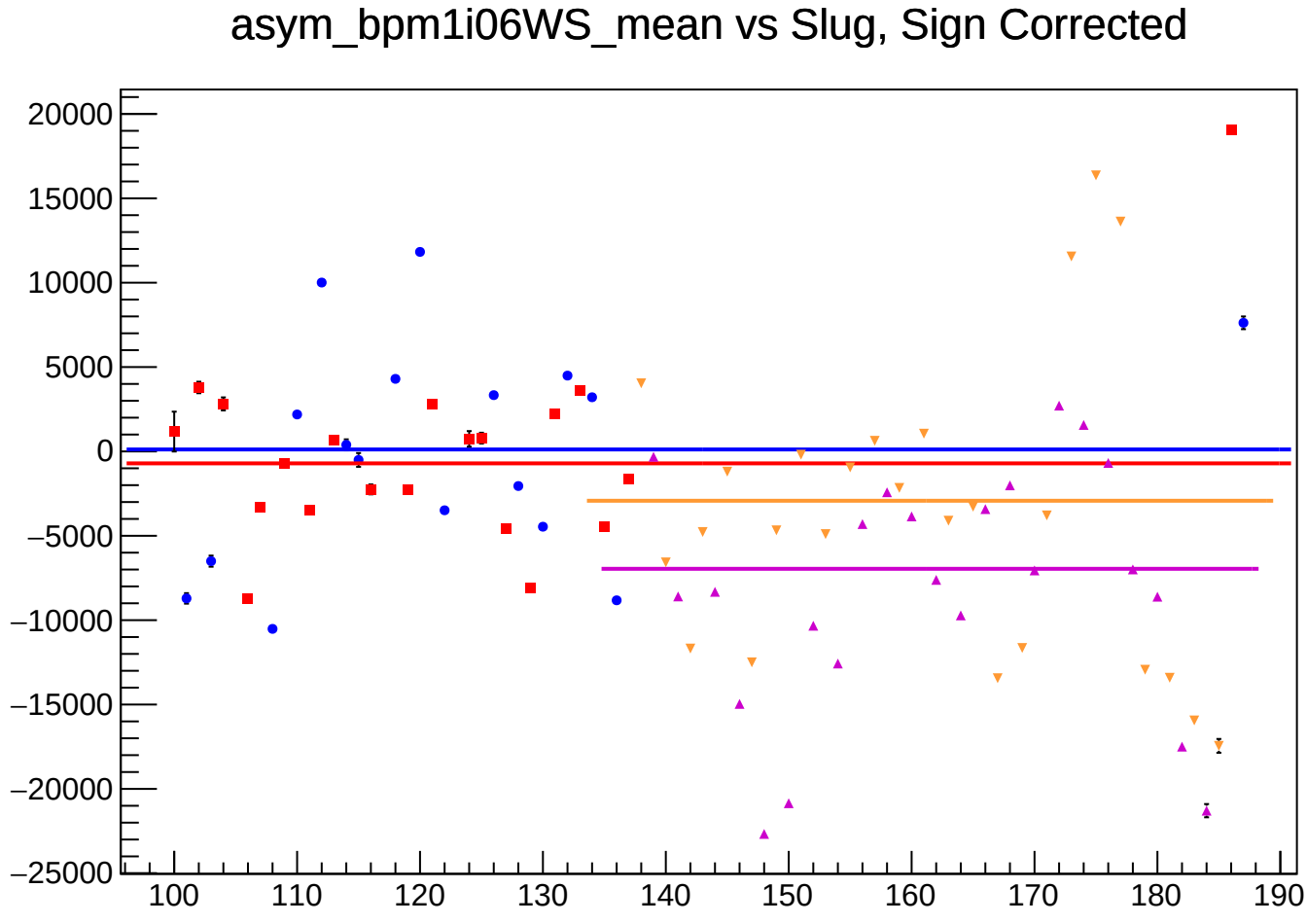
Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

Right: 99.521+/-0.019 χ^2/NDF: 1859696.1/36

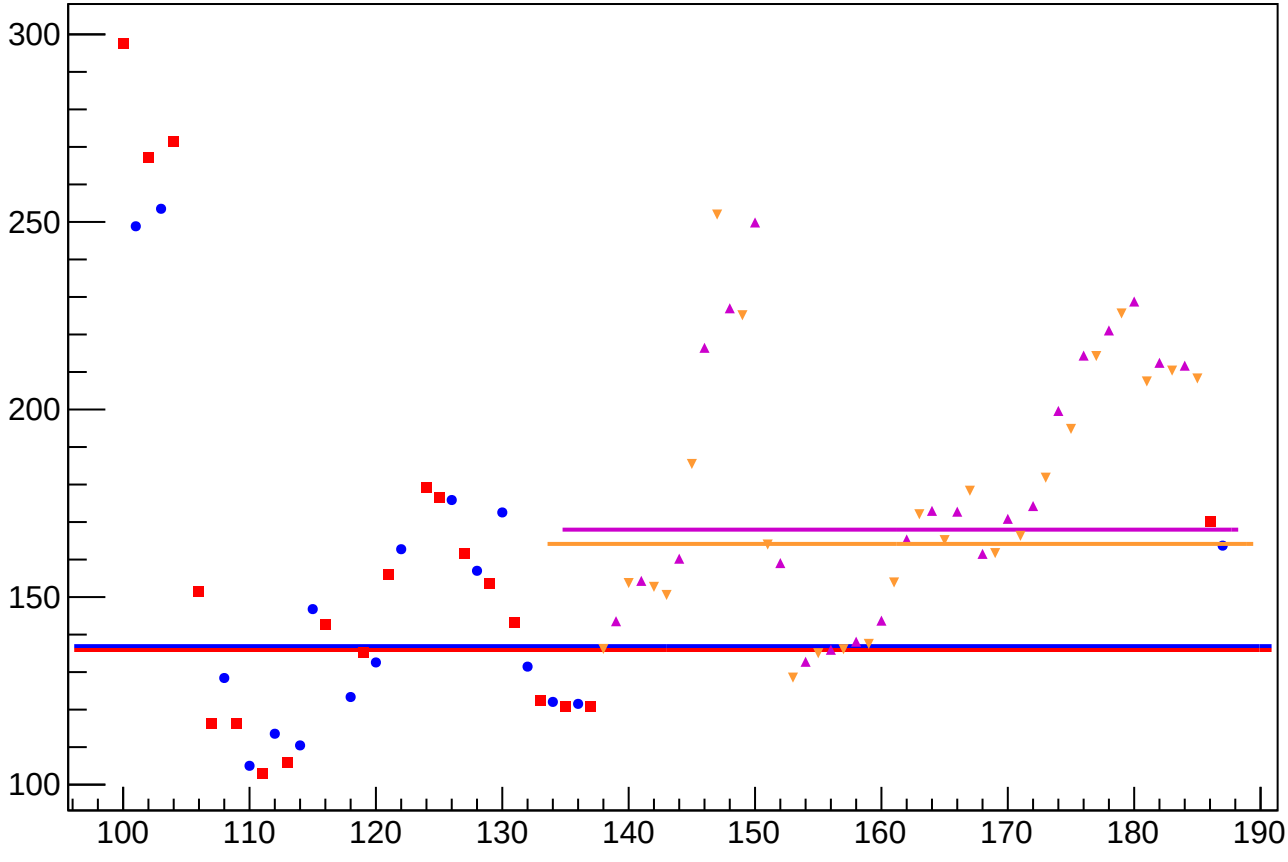
In: 113.957+/-0.017 χ^2/NDF:2739682.5/39

Out: 111.800+/-0.016 χ^2/NDF:3151058.2/44

All: 112.828+/-0.011 χ^2/NDF: 5899573.4/84


asym_bpm1i06WS_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 116.155+/-52.936 χ²/NDF: 17206.8/16
Left Out: -2923.060+/-38.185 χ²/NDF:38052.4/24
Right Out: -707.856+/-50.989 χ²/NDF: 9813.0/19
Left In: -6956.884+/-40.245 χ²/NDF:22339.0/22
Left: -4834.088+/-27.700 χ²/NDF: 65678.3/47
Right: -311.280+/-36.724 χ²/NDF: 27145.4/36
In: -4366.155+/-32.038 χ²/NDF:50859.4/39
Out: -2127.115+/-30.564 χ²/NDF:49074.6/44
All: -3193.972+/-22.115 χ²/NDF: 102491.1/8

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.922+/-0.037 χ^2/NDF: 807149.4/16

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 135.894+/-0.036 χ^2/NDF: 953684.6/19

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

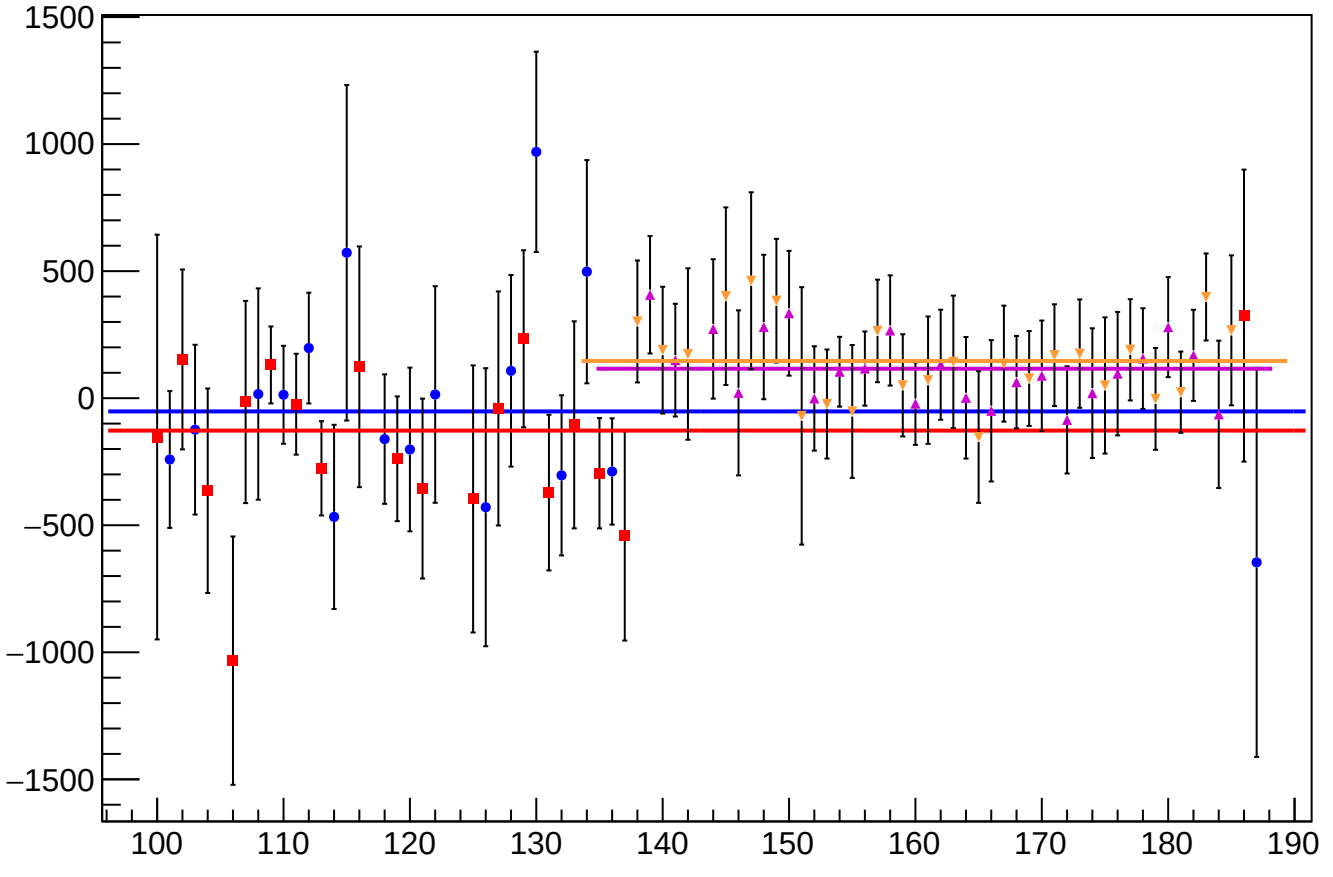
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 136.388+/-0.026 χ^2/NDF: 1761225.4/36

In: 156.601+/-0.023 χ^2/NDF:2466048.6/39

Out: 154.011+/-0.022 χ^2/NDF:2572217.2/44

All: 155.245+/-0.016 χ^2/NDF: 5045105.3/84



Right In: -52.096+/-75.907 χ^2/NDF: 16.1/16

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -127.499+/-67.934 χ^2/NDF: 13.5/18

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

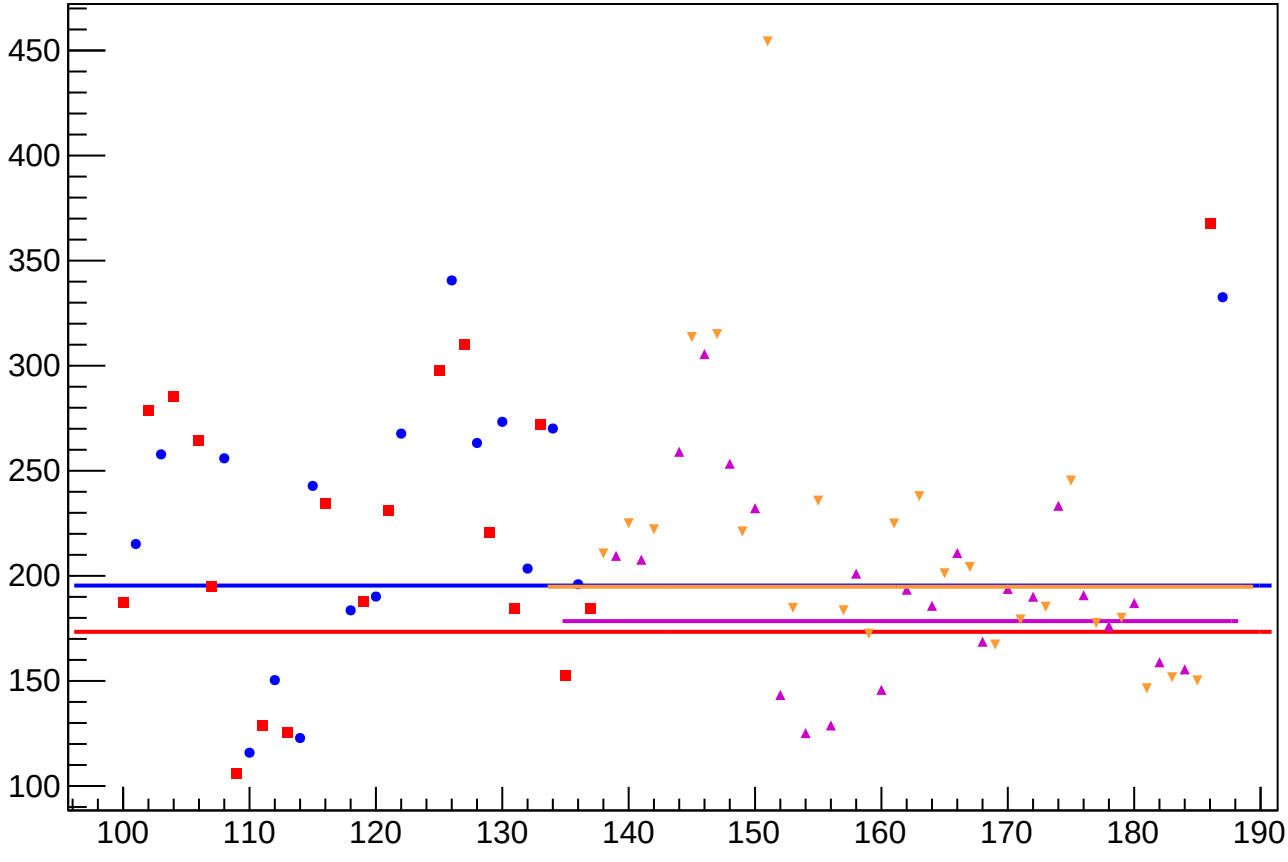
Right: -93.965+/-50.621 χ^2/NDF: 30.1/35

In: 74.273+/-37.810 χ^2/NDF:27.4/39

Out: 57.885+/-38.612 χ^2/NDF:34.4/42

All: 66.251+/-27.015 χ^2/NDF: 61.9/82

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 195.379+/-0.054 χ^2/NDF: 1108462.0/16

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 173.374+/-0.048 χ^2/NDF: 1825089.1/18

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

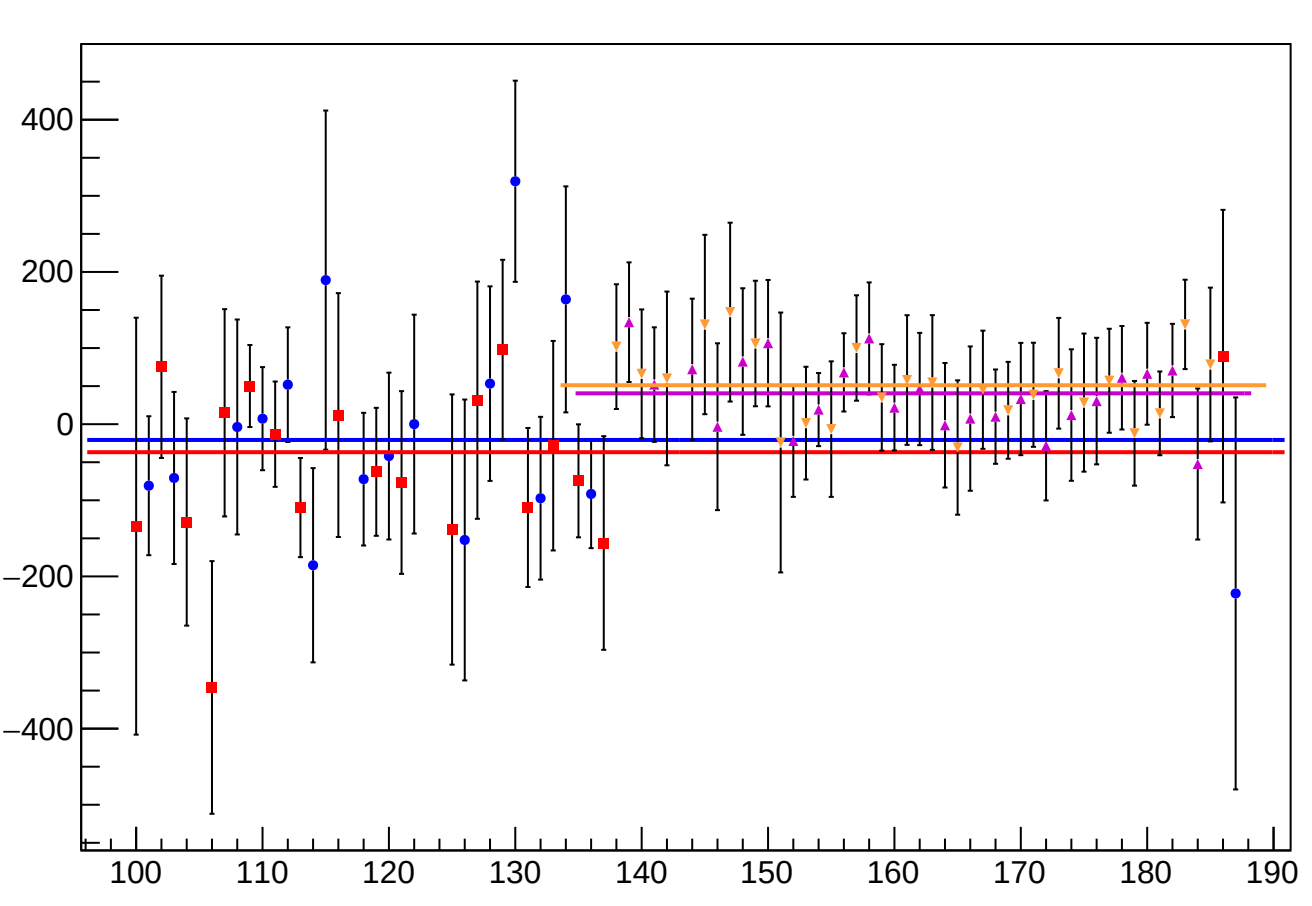
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 183.161+/-0.036 χ^2/NDF: 3026874.5/35

In: 182.669+/-0.027 χ^2/NDF:2859301.5/39

Out: 187.898+/-0.027 χ^2/NDF:3712594.2/42

All: 185.229+/-0.019 χ^2/NDF: 6590615.6/82



Right In: -20.720+/-25.989 χ^2/NDF: 15.8/16

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -36.805+/-23.475 χ^2/NDF: 13.1/18

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

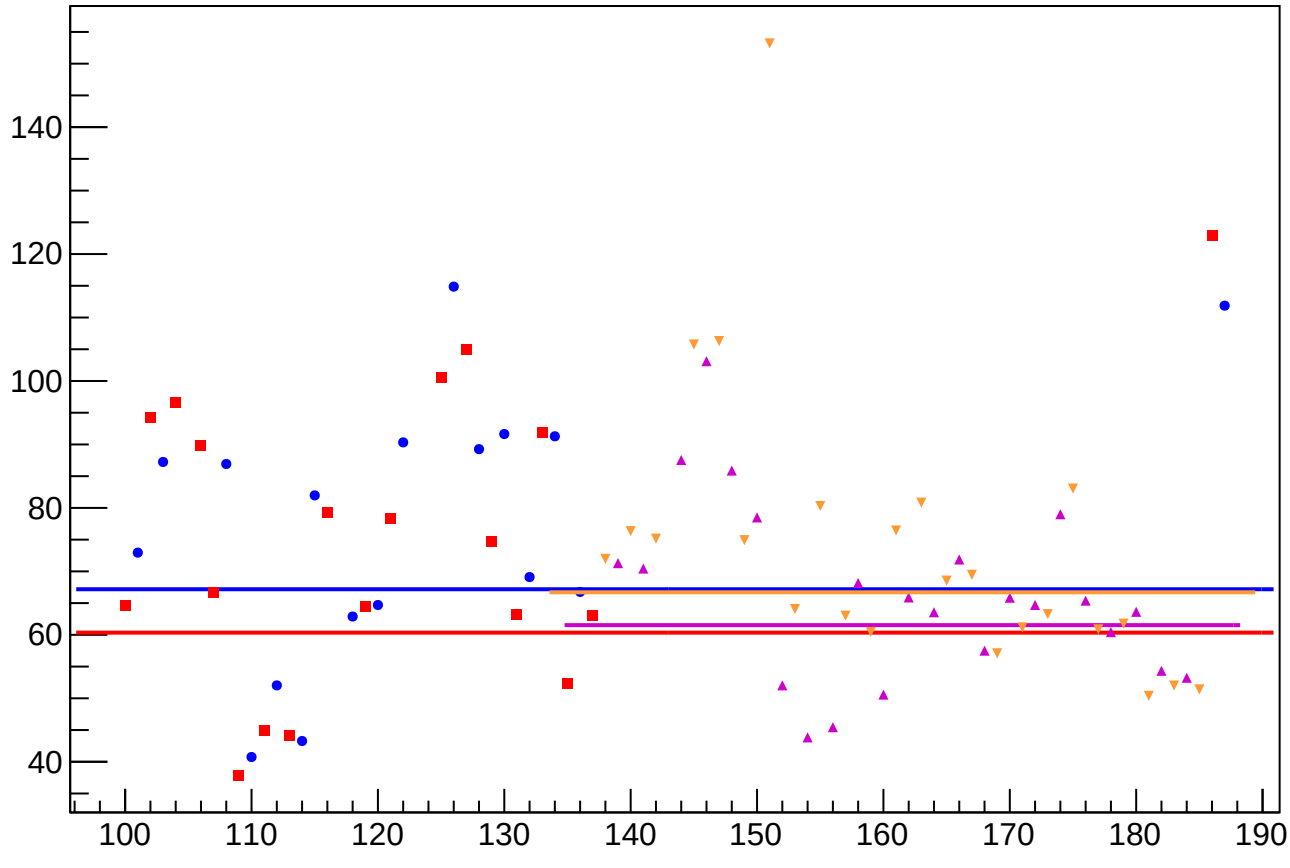
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -29.578+/-17.420 χ^2/NDF: 29.1/35

In: 25.266+/-12.977 χ^2/NDF:27.9/39

Out: 23.170+/-13.242 χ^2/NDF:30.8/42

All: 24.239+/-9.268 χ^2/NDF: 58.6/82



Right In: 67.184+/-0.018 χ^2/NDF: 1007887.5/16

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 60.348+/-0.017 χ^2/NDF: 1660489.2/18

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

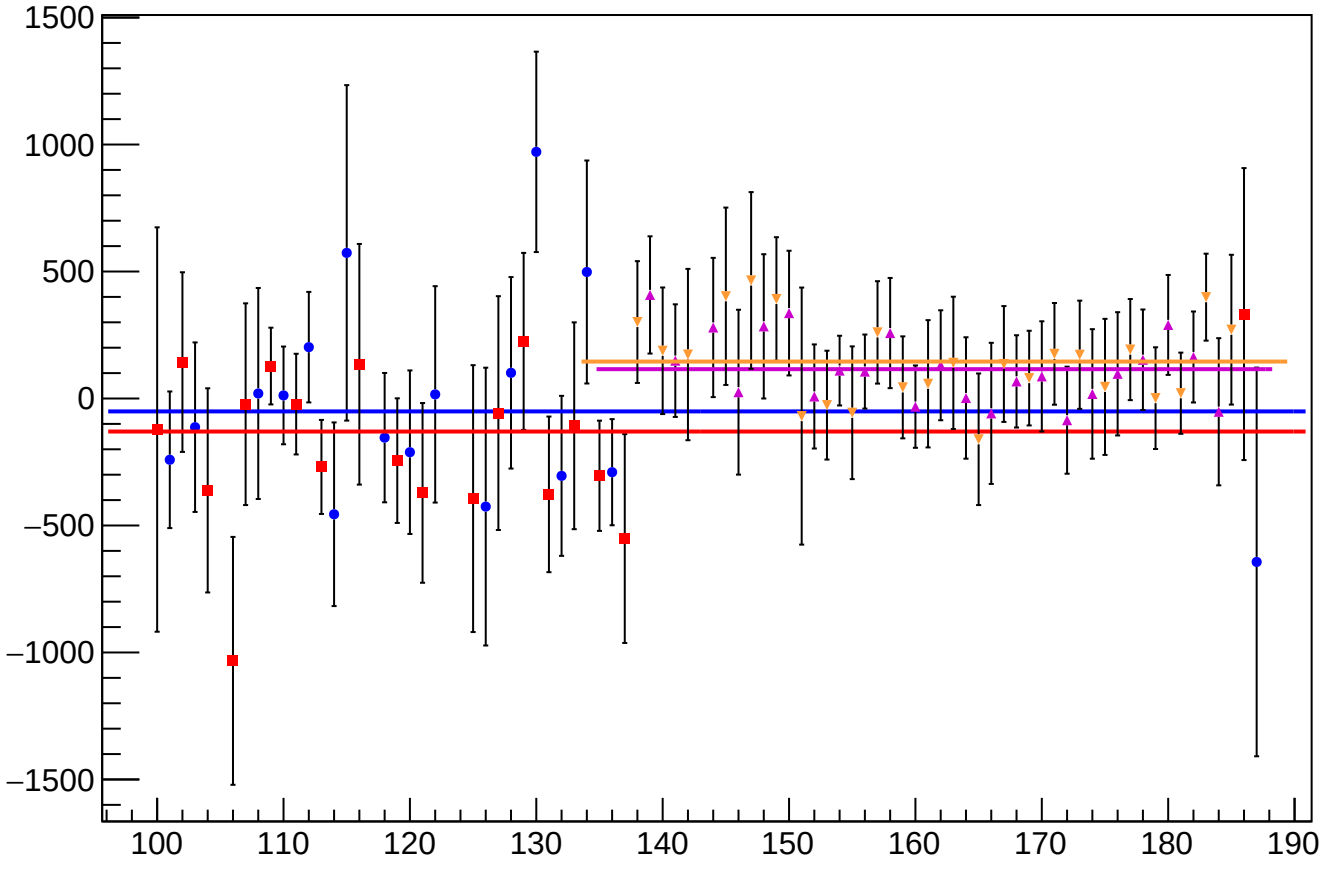
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 63.419+/-0.012 χ^2/NDF: 2744583.0/35

In: 62.939+/-0.009 χ^2/NDF:2568826.8/39

Out: 64.681+/-0.009 χ^2/NDF:3436755.0/42

All: 63.792+/-0.007 χ^2/NDF: 6023237.9/82



Right In: -50.793+/-75.823 χ^2/NDF: 16.1/16

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -130.045+/-67.845 χ^2/NDF: 13.5/18

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

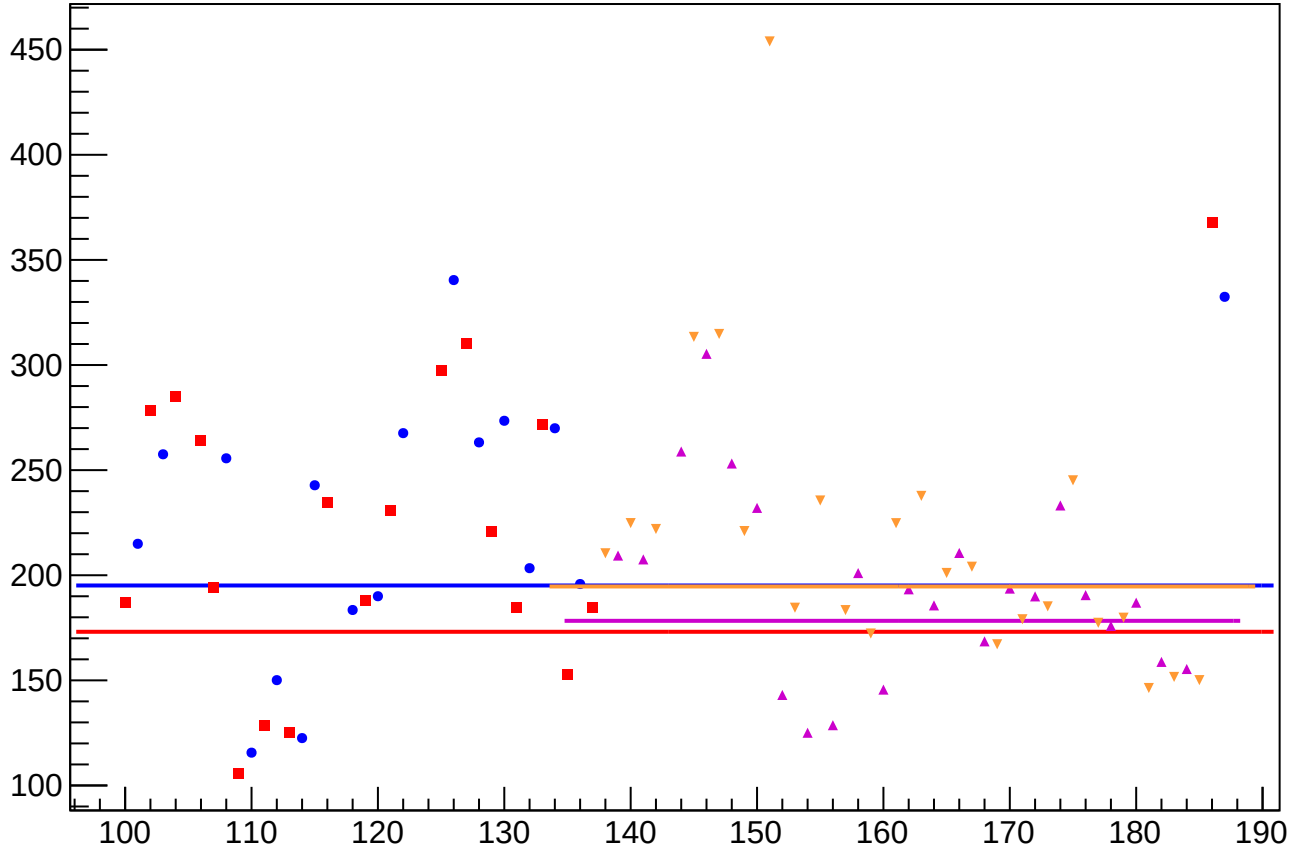
Right: -94.807+/-50.560 χ^2/NDF: 30.2/35

In: 74.214+/-37.776 χ^2/NDF:27.5/39

Out: 56.414+/-38.573 χ^2/NDF:34.9/42

All: 65.500+/-26.989 χ^2/NDF: 62.5/82

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 195.129+/-0.054 χ^2/NDF: 1113124.9/16

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 173.105+/-0.048 χ^2/NDF: 1831159.8/18

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

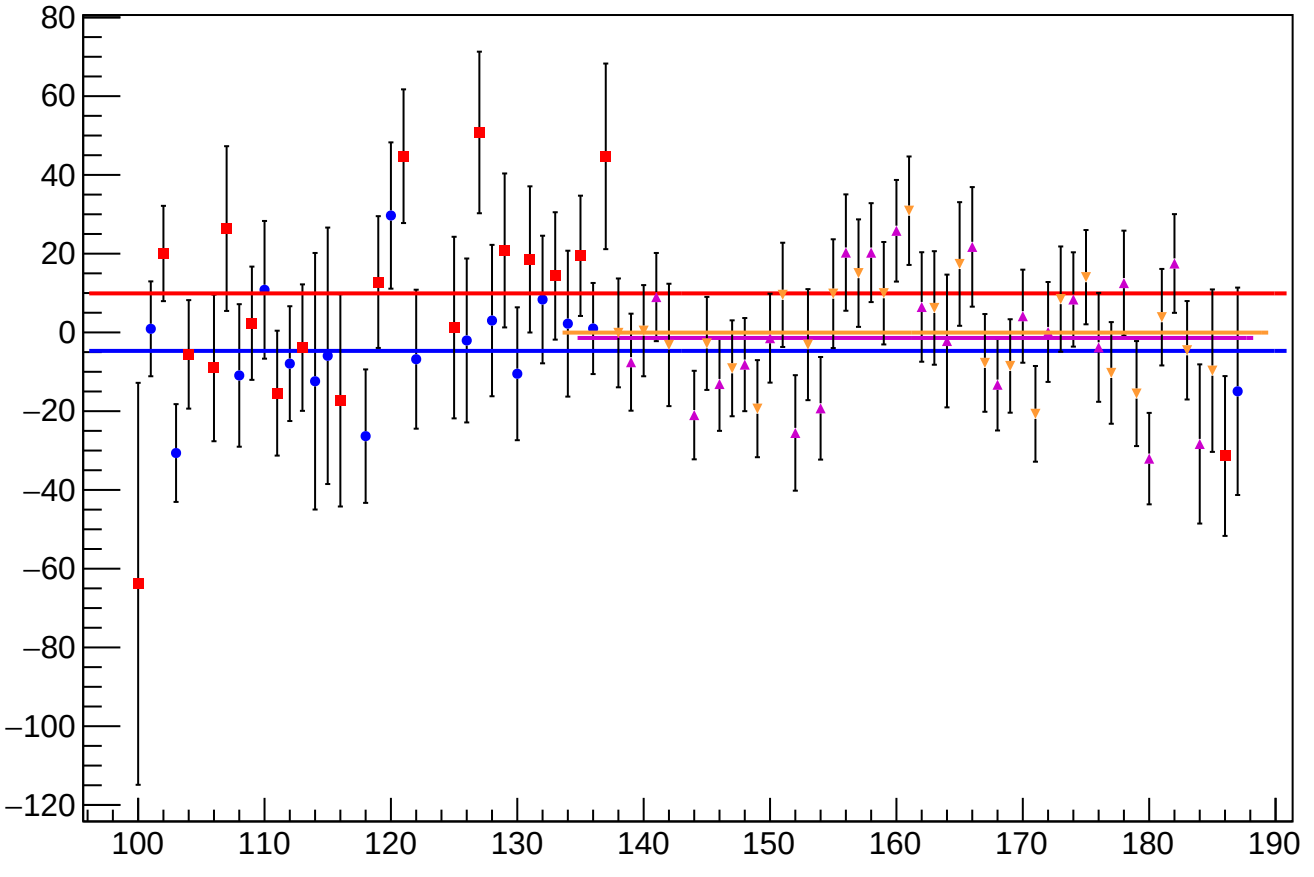
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 182.898+/-0.036 χ^2/NDF: 3037998.5/35

In: 182.491+/-0.027 χ^2/NDF:2865374.2/39

Out: 187.692+/-0.027 χ^2/NDF:3720892.5/42

All: 185.037+/-0.019 χ^2/NDF: 6604827.7/82



Right In: -4.692+/-4.081 χ^2/NDF: 12.1/16

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 9.911+/-4.053 χ^2/NDF: 25.9/18

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

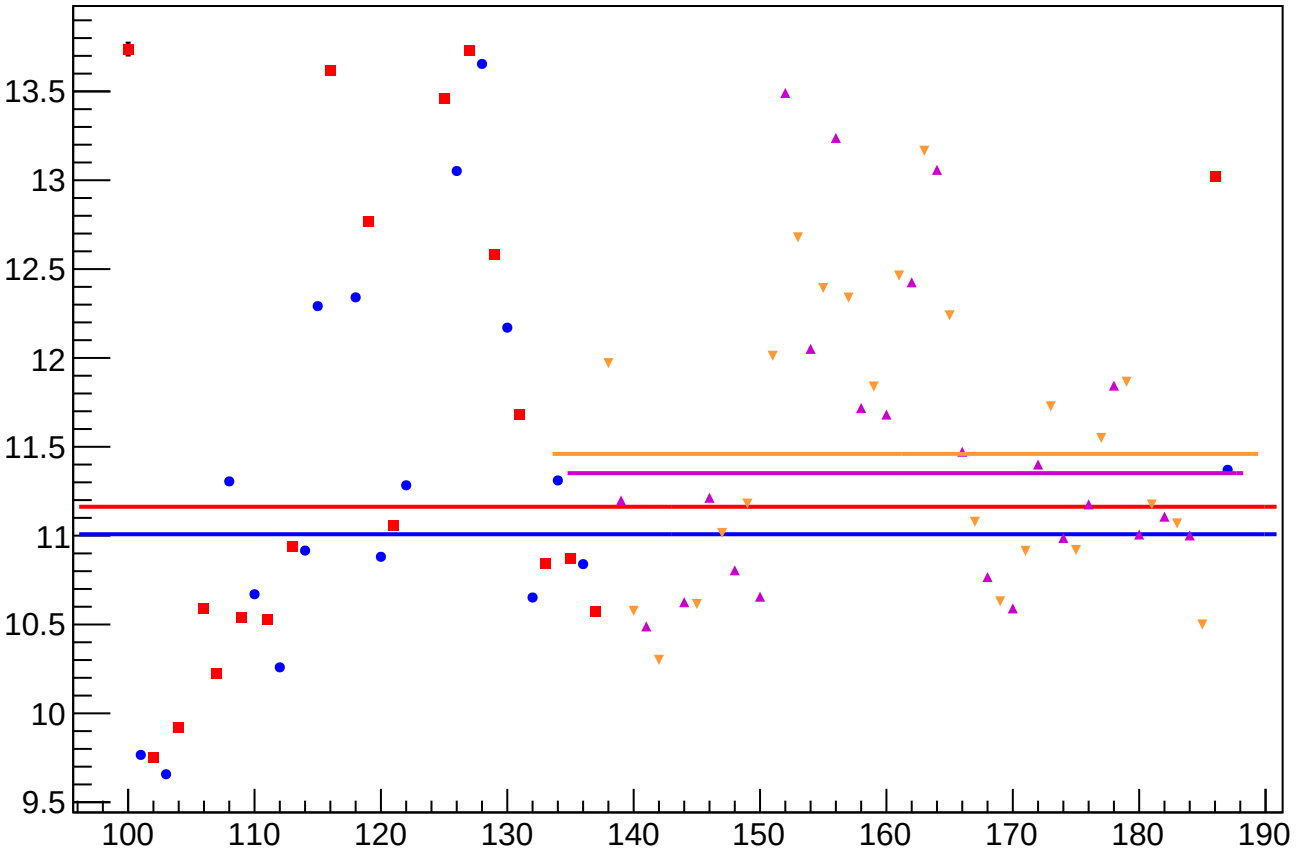
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 2.659+/-2.876 χ^2/NDF: 44.5/35

In: -2.394+/-2.237 χ^2/NDF:48.9/39

Out: 2.991+/-2.238 χ^2/NDF:50.6/42

All: 0.296+/-1.582 χ^2/NDF: 102.4/82



Right In: 11.008+/-0.003 χ^2/NDF: 136547.5/16

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.163+/-0.003 χ^2/NDF: 179694.4/18

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

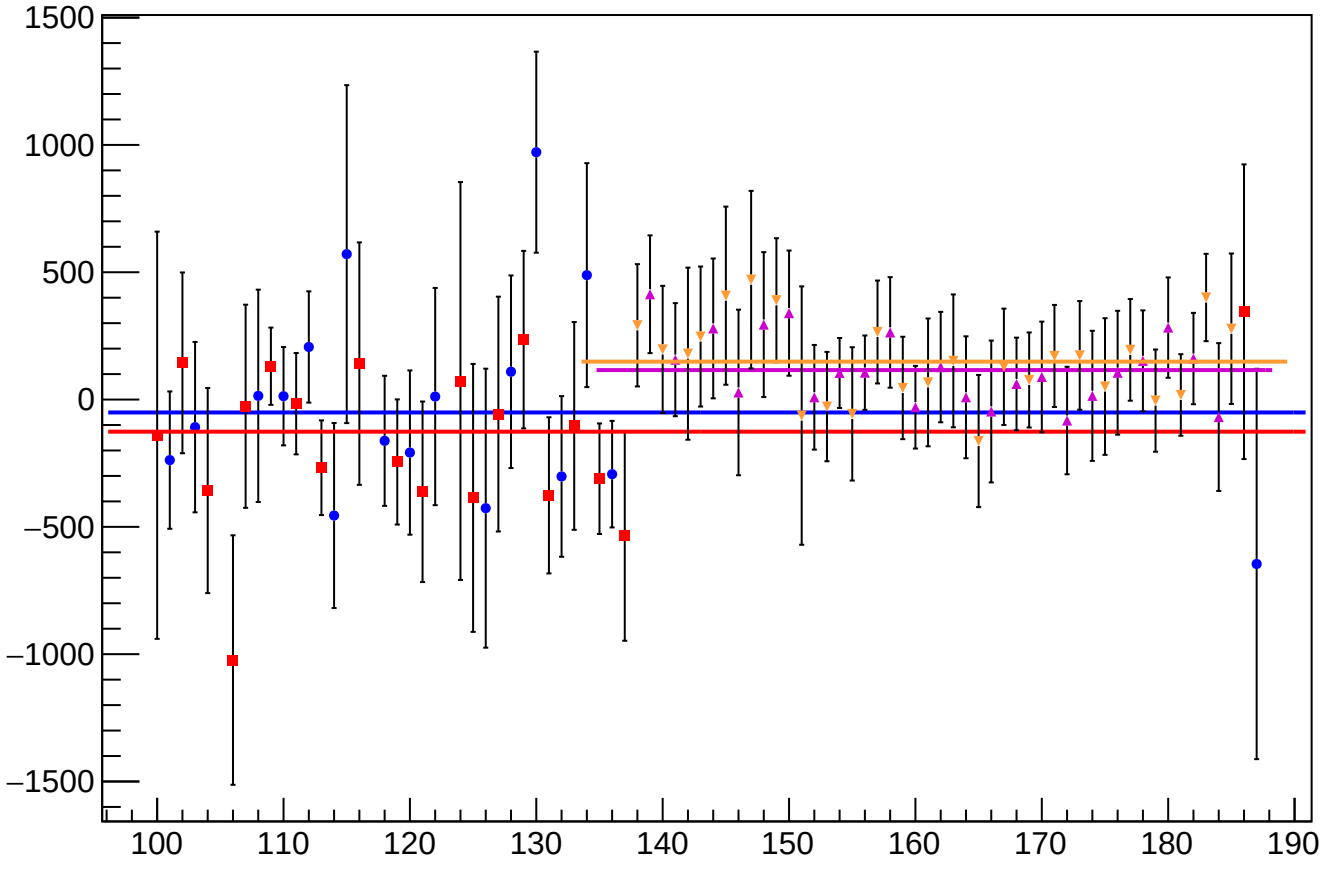
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.086+/-0.002 χ^2/NDF: 317686.9/35

In: 11.248+/-0.002 χ^2/NDF:317039.9/39

Out: 11.369+/-0.002 χ^2/NDF:337615.7/42

All: 11.309+/-0.001 χ^2/NDF: 657575.0/82



Right In: -50.711+/-76.047 χ^2/NDF: 16.0/16

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -126.172+/-67.799 χ^2/NDF: 13.5/19

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

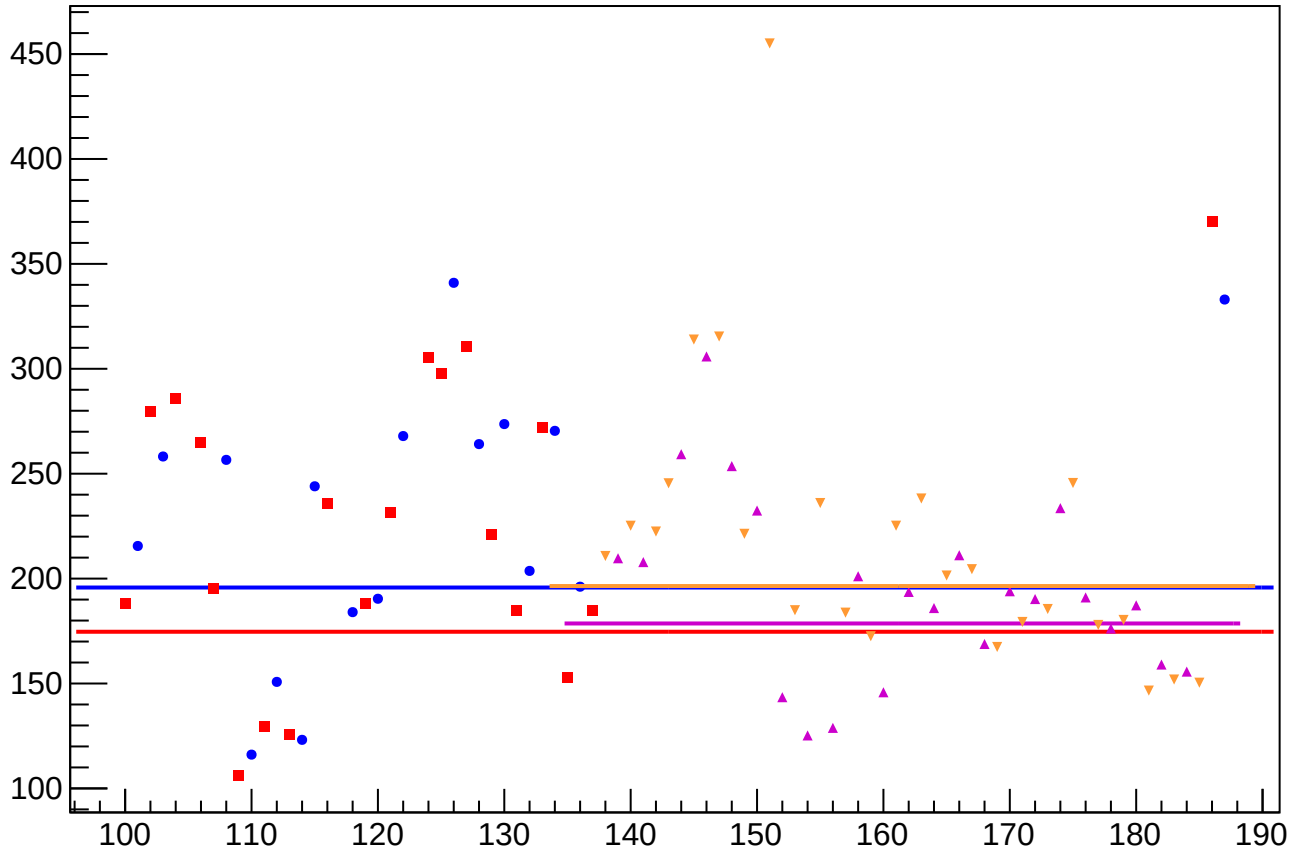
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -92.754+/-50.607 χ^2/NDF: 30.1/36

In: 74.480+/-37.851 χ^2/NDF:27.4/39

Out: 61.405+/-38.239 χ^2/NDF:35.2/44

All: 68.009+/-26.901 χ^2/NDF: 62.7/84



Right In: 195.749+/-0.054 χ^2/NDF: 1106782.1/16

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 174.668+/-0.048 χ^2/NDF: 1882423.0/19

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

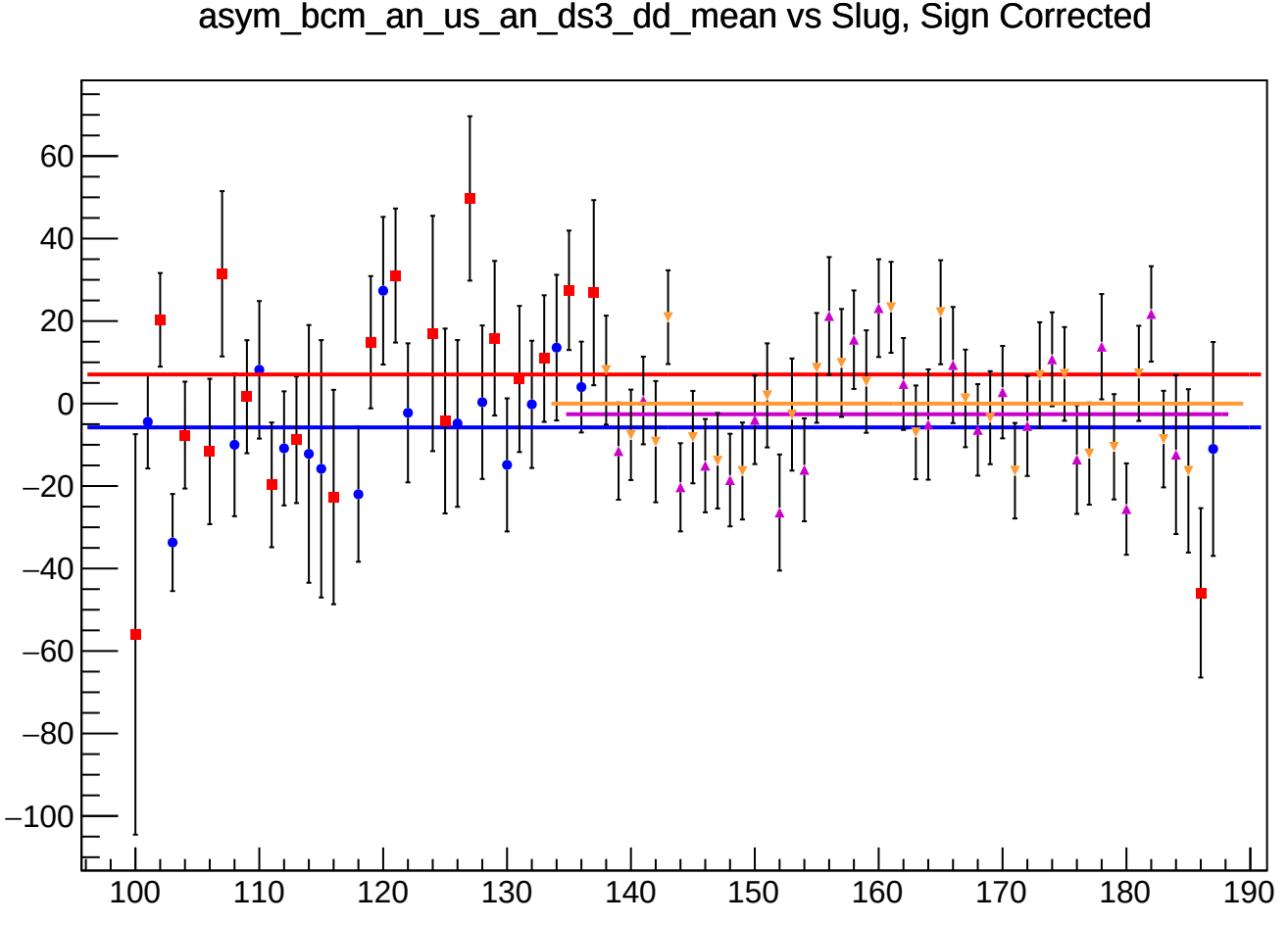
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 184.004+/-0.036 χ^2/NDF: 3074839.7/36

In: 182.859+/-0.027 χ^2/NDF:2862031.1/39

Out: 189.524+/-0.027 χ^2/NDF:3841994.7/44

All: 186.158+/-0.019 χ^2/NDF: 6734716.6/84



Right In: -5.778+/-3.894 χ^2/NDF: 13.7/16

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 7.049+/-3.832 χ^2/NDF: 29.7/19

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

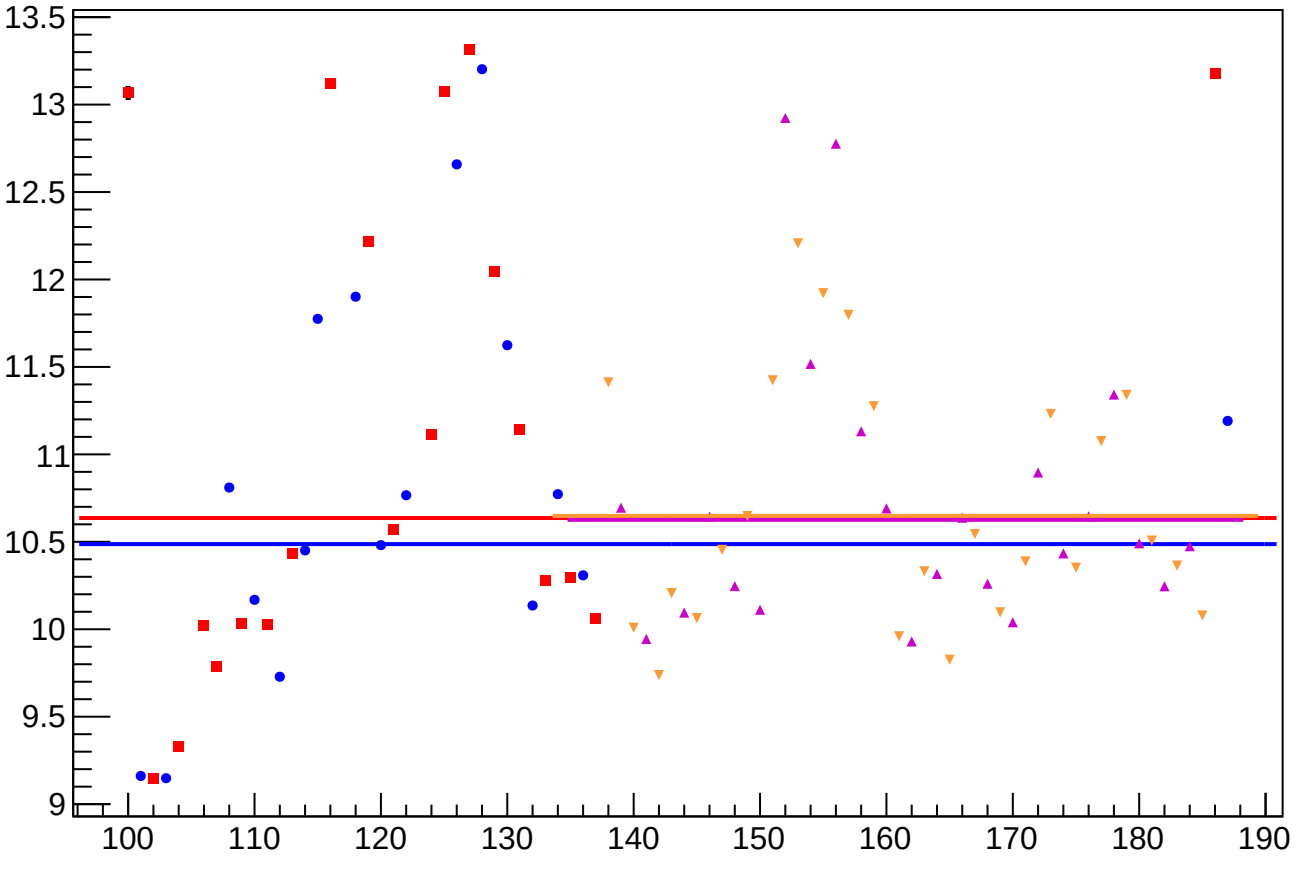
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.739+/-2.732 χ^2/NDF: 48.9/36

In: -3.524+/-2.107 χ^2/NDF:49.0/39

Out: 2.026+/-2.061 χ^2/NDF:55.8/44

All: -0.687+/-1.473 χ^2/NDF: 108.4/84



Right In: 10.487+/-0.003 χ^2/NDF: 158875.2/16

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.636+/-0.003 χ^2/NDF: 218500.5/19

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

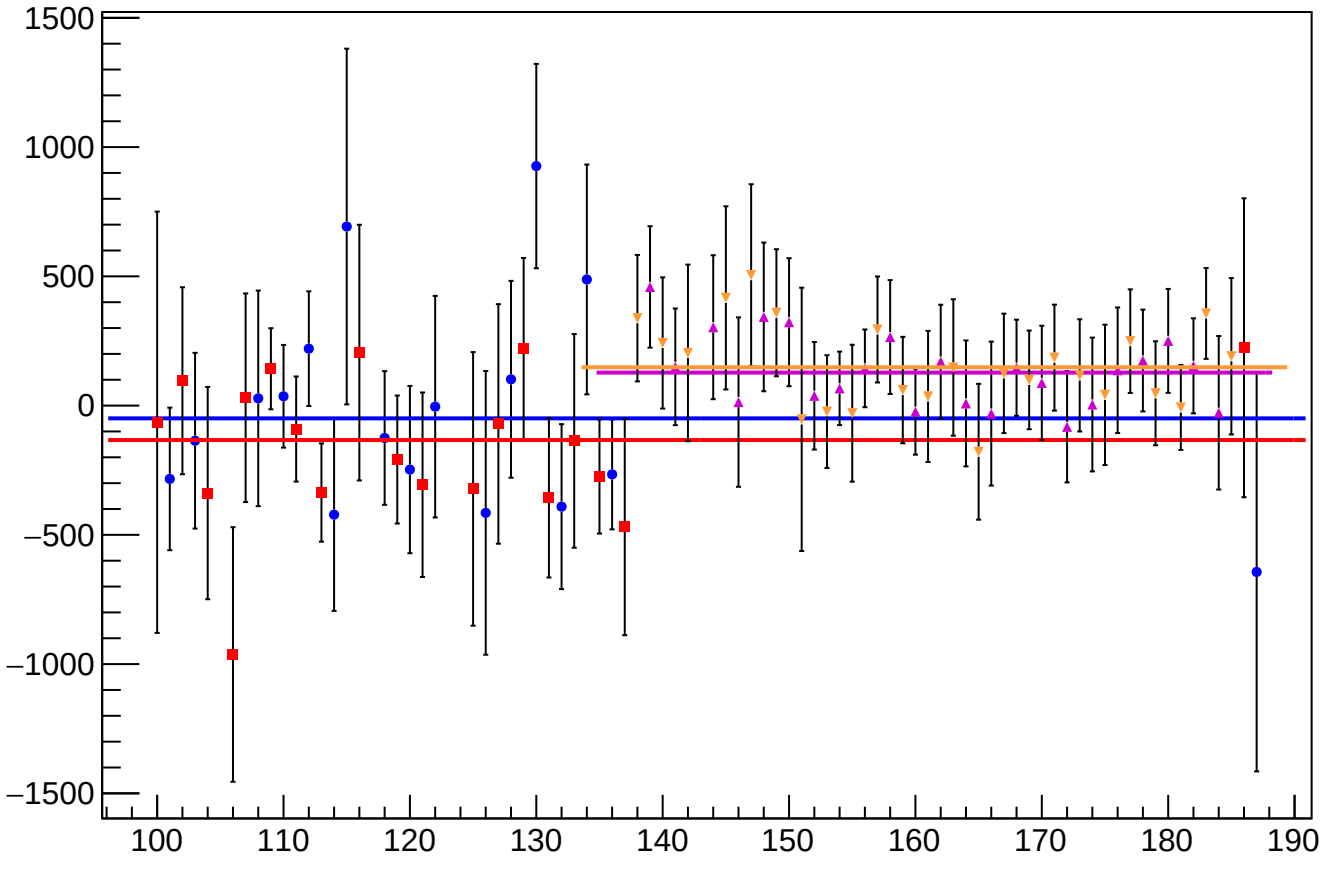
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.563+/-0.002 χ^2/NDF: 378866.9/36

In: 10.585+/-0.001 χ^2/NDF:320215.4/39

Out: 10.645+/-0.001 χ^2/NDF:362050.9/44

All: 10.616+/-0.001 χ^2/NDF: 683086.7/84



Right In: -49.390+/-77.195 χ^2/NDF: 16.1/16

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -133.249+/-69.329 χ^2/NDF: 11.8/18

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

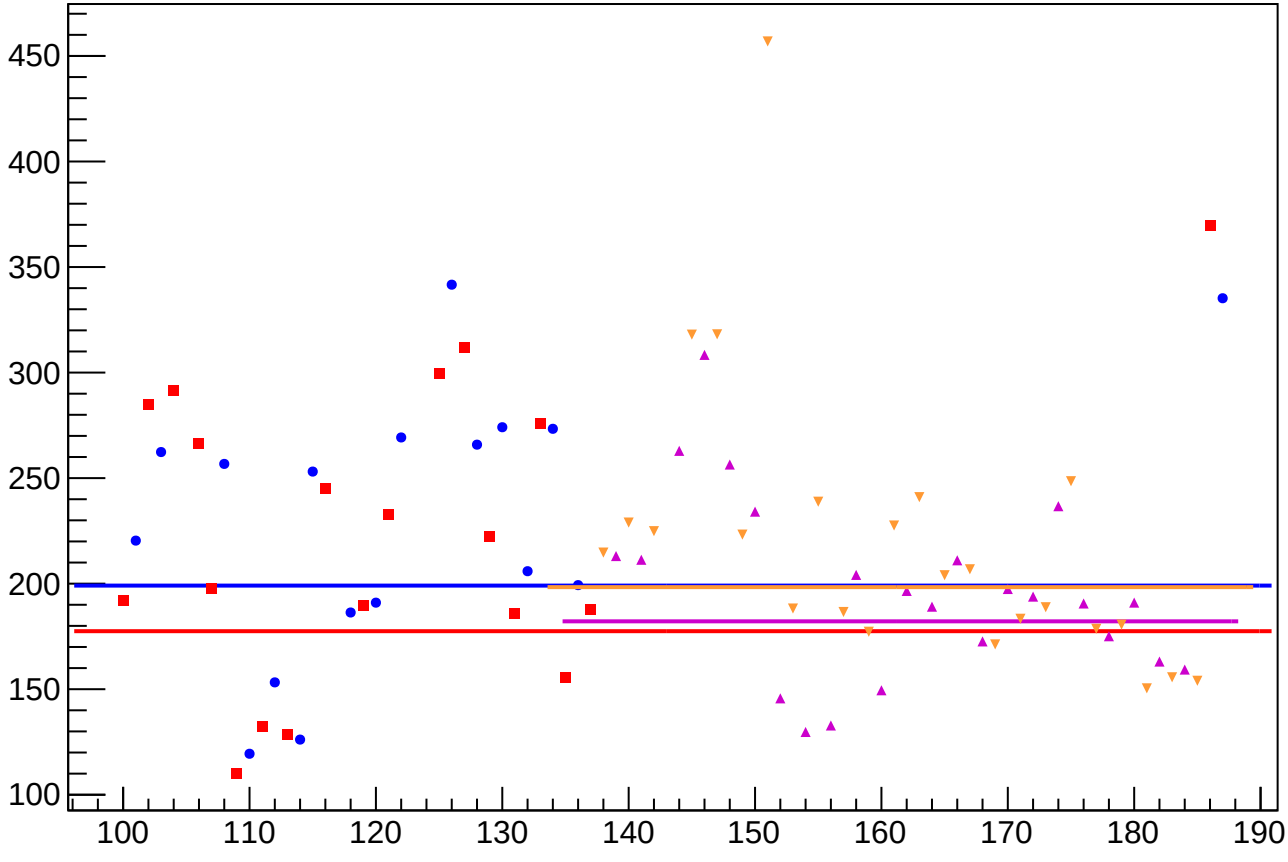
Right: -95.808+/-51.580 χ^2/NDF: 28.6/35

In: 83.647+/-38.505 χ^2/NDF:27.8/39

Out: 57.885+/-39.309 χ^2/NDF:32.9/42

All: 71.032+/-27.507 χ^2/NDF: 61.0/82

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 199.083+/-0.055 χ^2/NDF: 1063202.4/16

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 177.485+/-0.049 χ^2/NDF: 1759440.8/18

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

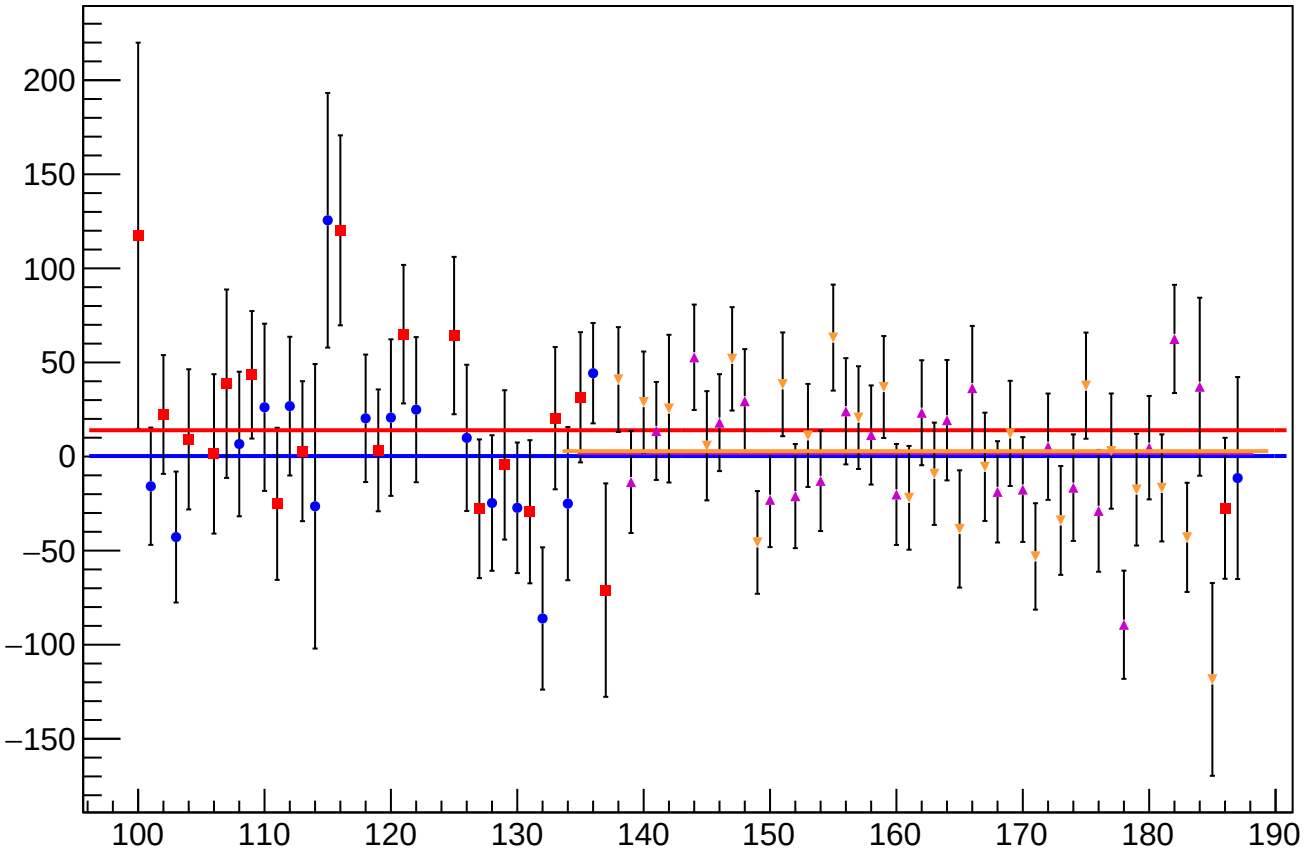
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 187.128+/-0.036 χ^2/NDF: 2909304.8/35

In: 186.363+/-0.027 χ^2/NDF:2719853.0/39

Out: 191.643+/-0.028 χ^2/NDF:3579425.2/42

All: 188.949+/-0.019 χ^2/NDF: 6317695.0/82



Right In: 0.259+/-9.280 χ^2/NDF: 16.8/16

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 13.973+/-9.032 χ^2/NDF: 17.7/18

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

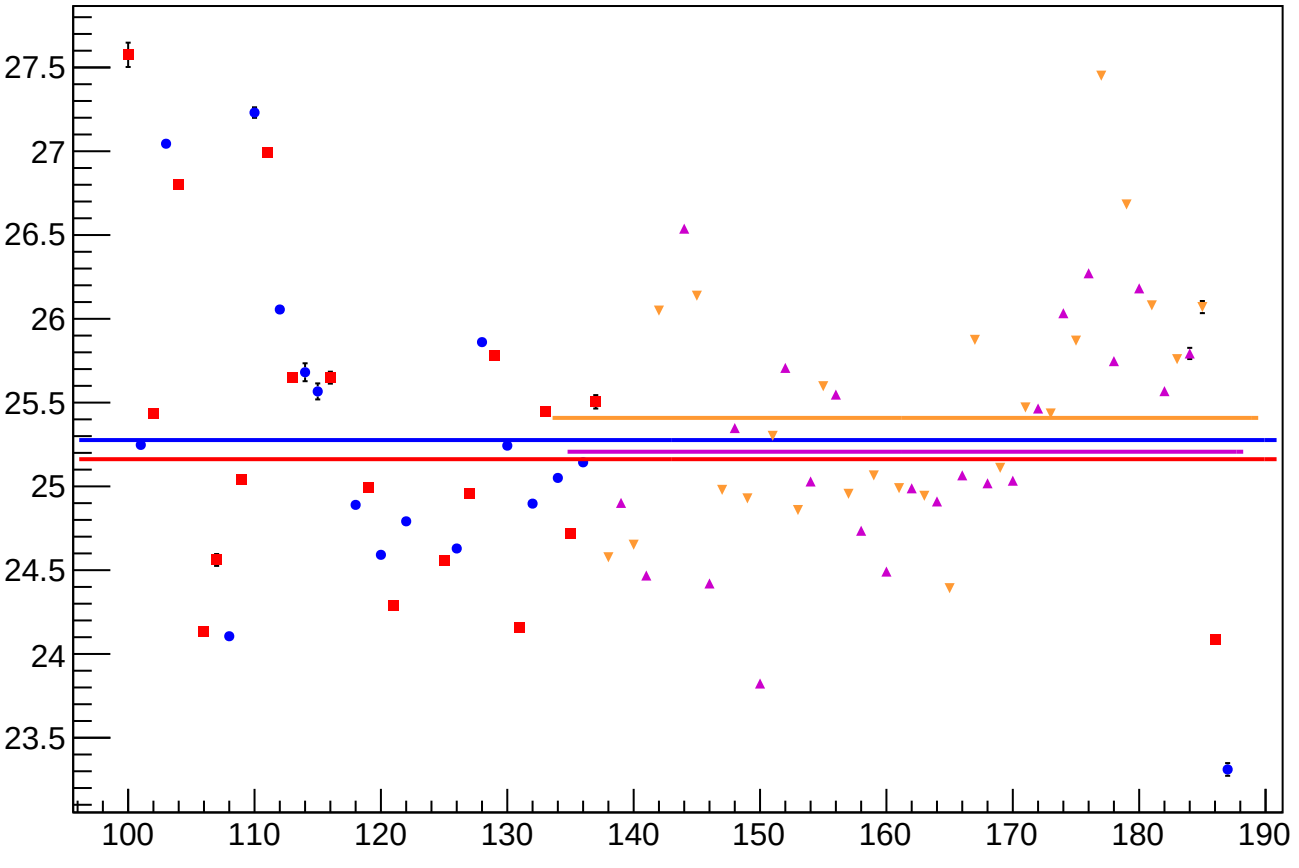
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 7.301+/-6.472 χ^2/NDF: 35.6/35

In: 1.393+/-4.975 χ^2/NDF:44.9/39

Out: 6.181+/-4.942 χ^2/NDF:55.6/42

All: 3.802+/-3.506 χ^2/NDF: 101.0/82



Right In: 25.276+/-0.007 χ^2/NDF: 17080.0/16

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 25.162+/-0.006 χ^2/NDF: 16930.8/18

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

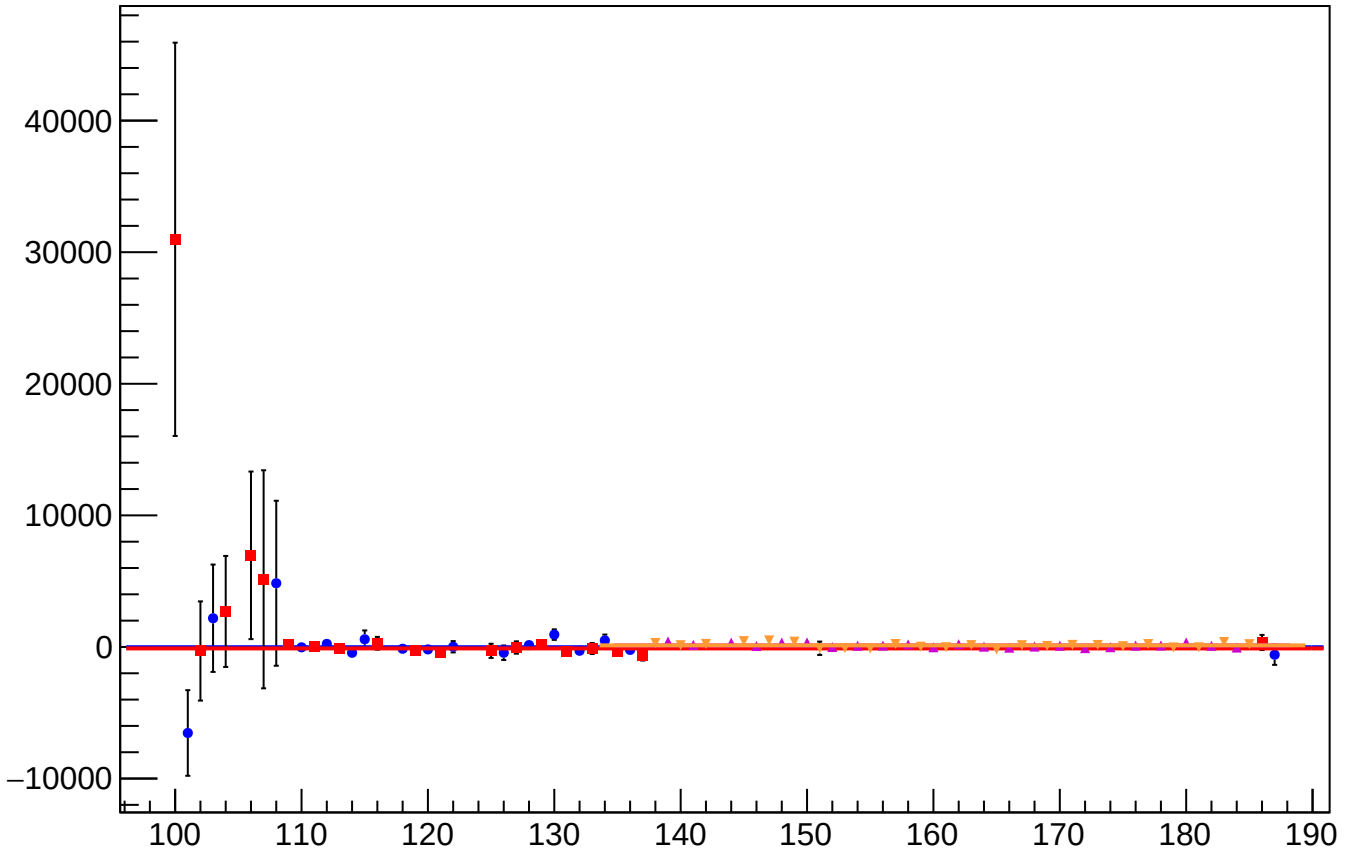
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 25.218+/-0.005 χ^2/NDF: 34166.1/35

In: 25.227+/-0.004 χ^2/NDF:42987.6/39

Out: 25.335+/-0.003 χ^2/NDF:44837.3/42

All: 25.281+/-0.002 χ^2/NDF: 88300.3/82



Right In: -20.003+/-83.952 χ^2/NDF: 18.9/16

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -111.631+/-77.534 χ^2/NDF: 15.0/18

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

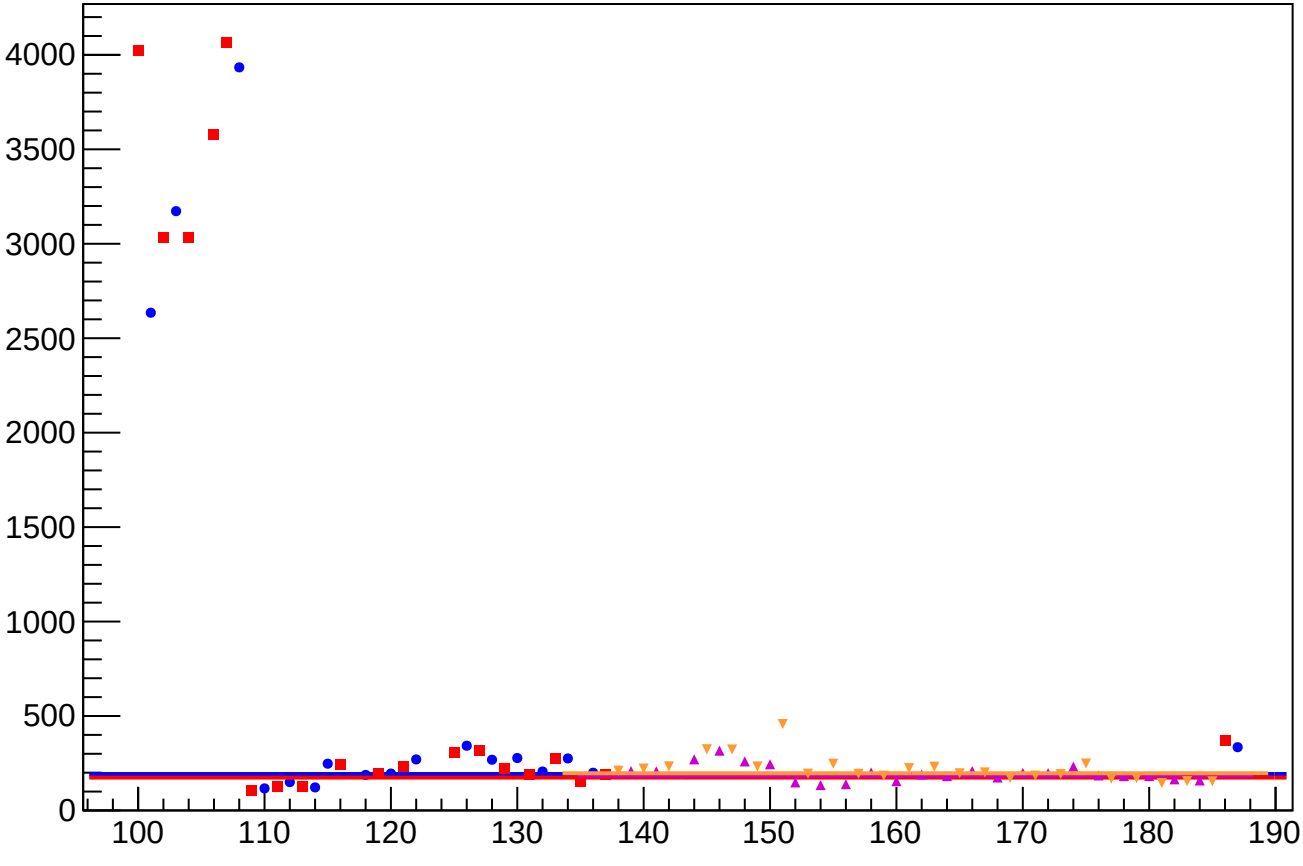
Right: -69.453+/-56.959 χ^2/NDF: 34.5/35

In: 86.059+/-39.515 χ^2/NDF:29.3/39

Out: 57.065+/-40.466 χ^2/NDF:33.5/42

All: 71.907+/-28.272 χ^2/NDF: 63.1/82

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.776+/-0.059 χ^2/NDF: 3902755.4/16

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 174.080+/-0.055 χ^2/NDF: 4486350.2/18

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

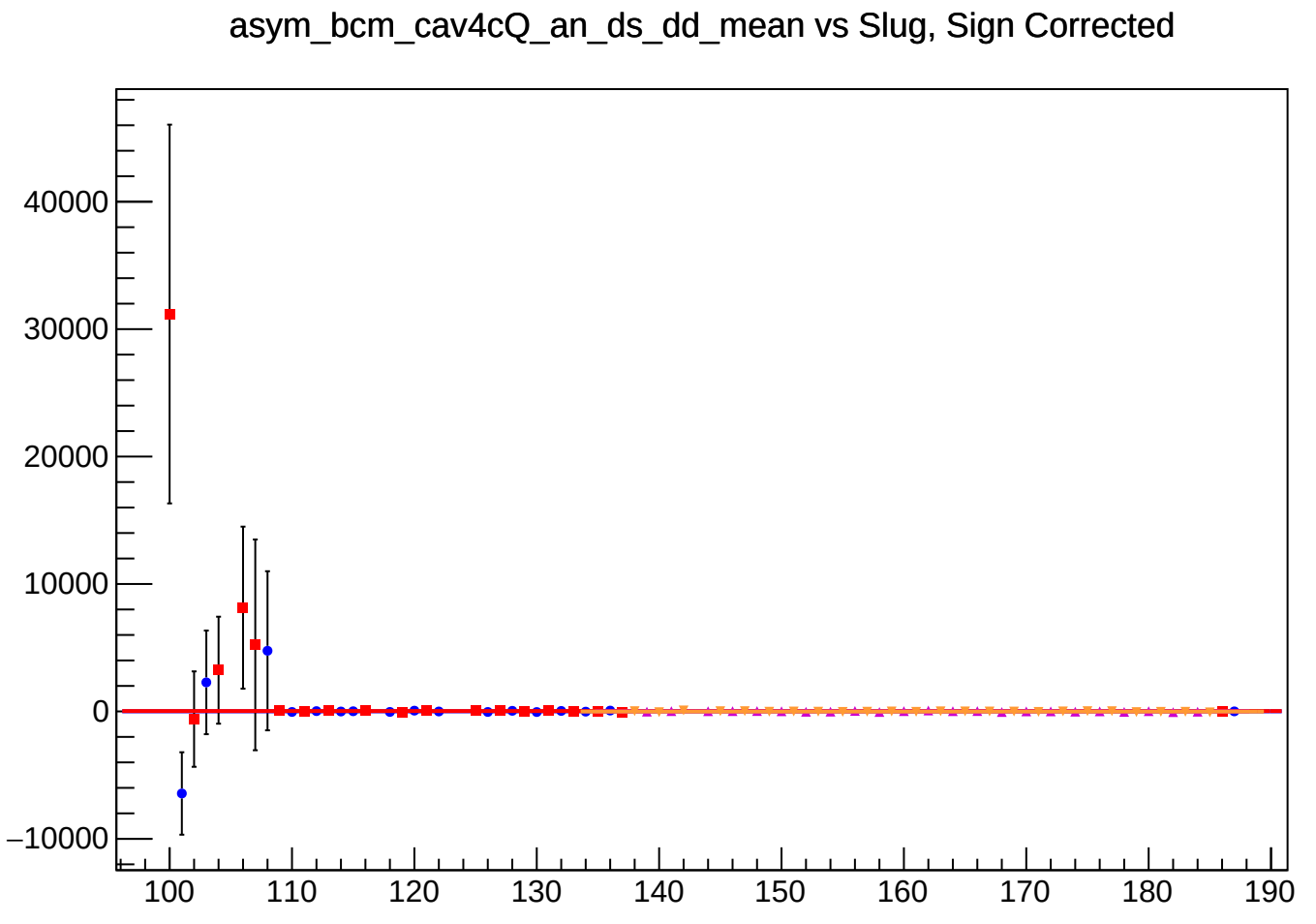
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 182.686+/-0.040 χ^2/NDF: 8442636.6/35

In: 185.984+/-0.028 χ^2/NDF:5364996.8/39

Out: 190.709+/-0.029 χ^2/NDF:6422068.2/42

All: 188.290+/-0.020 χ^2/NDF: 11801026.6/82



Right In: 6.410+/-11.596 χ^2/NDF: 18.3/16

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 28.378+/-11.729 χ^2/NDF: 20.5/18

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

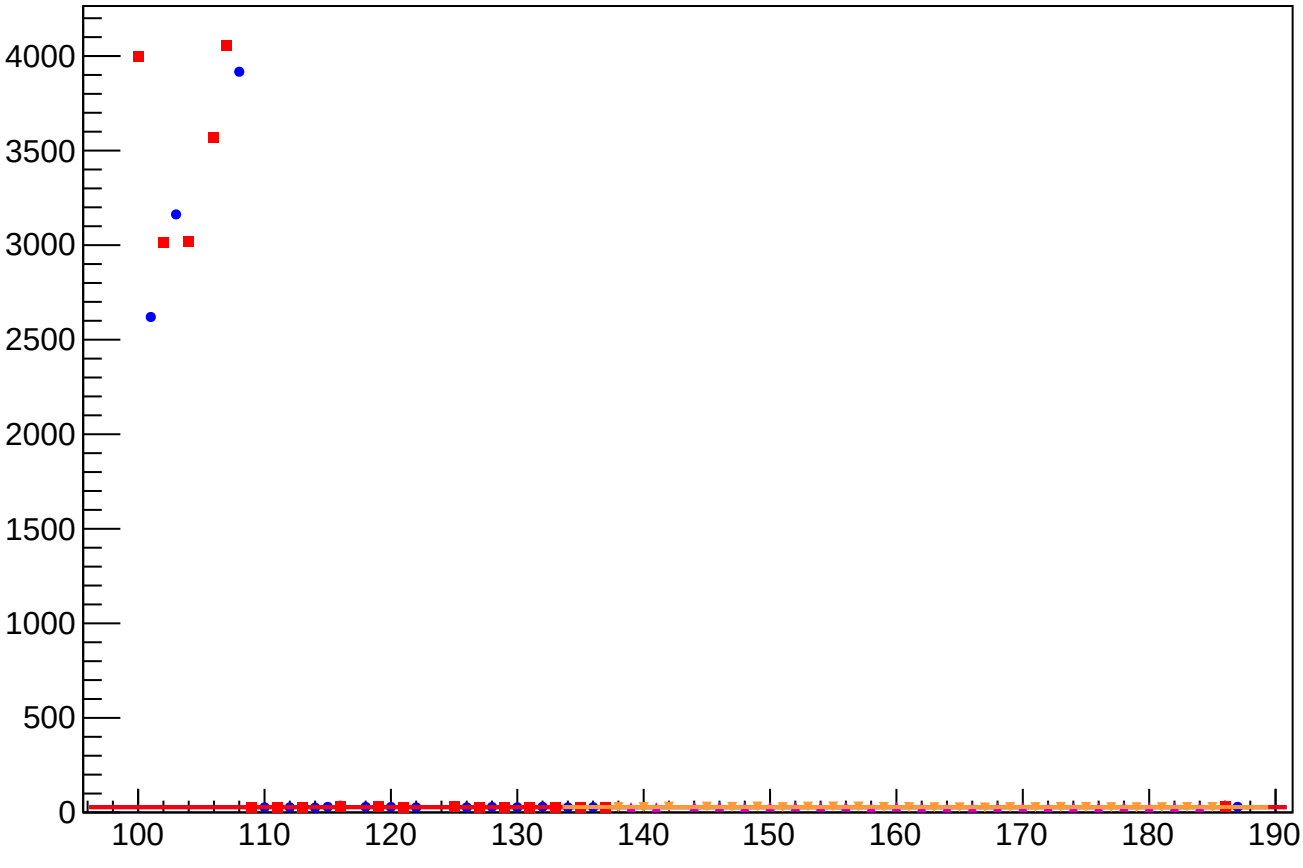
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 17.269+/-8.246 χ^2/NDF: 40.6/35

In: 3.543+/-5.822 χ^2/NDF:40.5/39

Out: -1.498+/-5.787 χ^2/NDF:46.6/42

All: 1.007+/-4.104 χ^2/NDF: 87.5/82



Right In: 27.876+/-0.008 χ^2/NDF: 3267207.5/16

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.983+/-0.008 χ^2/NDF: 3568305.5/18

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

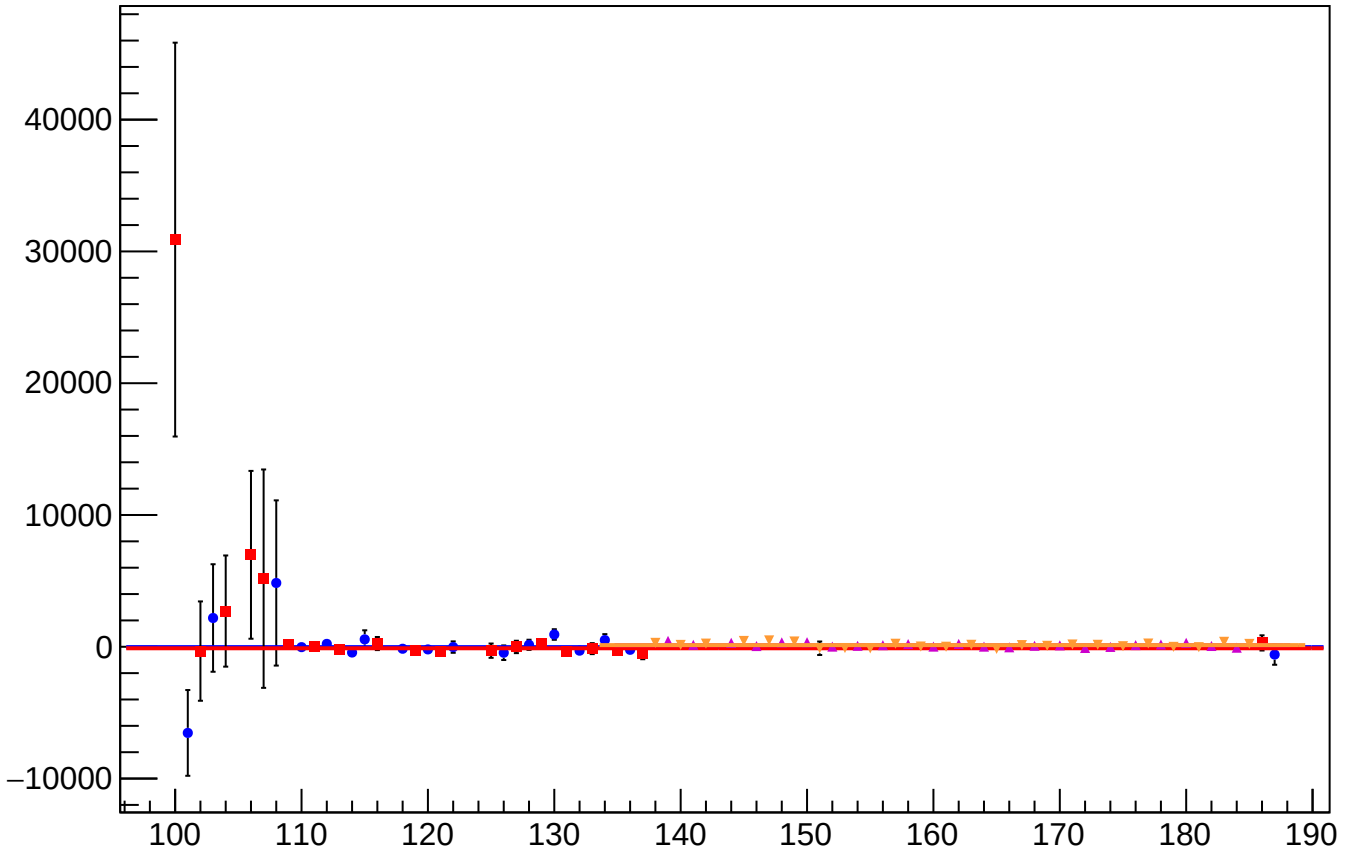
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.929+/-0.006 χ^2/NDF: 6835597.7/35

In: 28.513+/-0.004 χ^2/NDF:3402665.7/39

Out: 28.444+/-0.004 χ^2/NDF:3653386.5/42

All: 28.478+/-0.003 χ^2/NDF: 7056193.2/82



Right In: -26.333+/-84.554 χ^2/NDF: 18.7/16

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -113.935+/-78.117 χ^2/NDF: 13.8/18

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

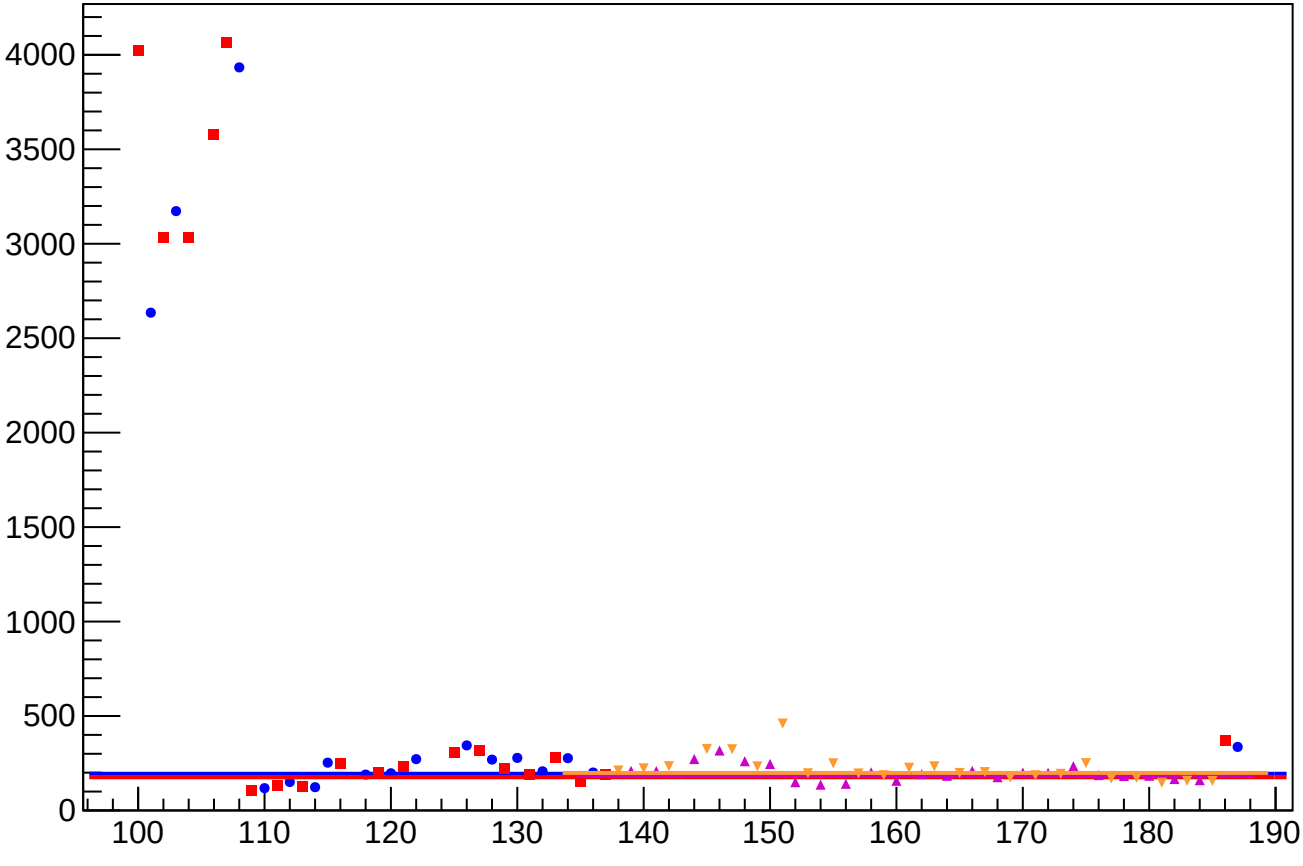
Right: -73.595+/-57.378 χ^2/NDF: 33.0/35

In: 89.663+/-39.861 χ^2/NDF:29.1/39

Out: 60.803+/-40.805 χ^2/NDF:32.2/42

All: 75.571+/-28.514 χ^2/NDF: 61.6/82

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.275+/-0.060 χ^2/NDF: 3890974.3/16

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 175.515+/-0.055 χ^2/NDF: 4476896.5/18

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

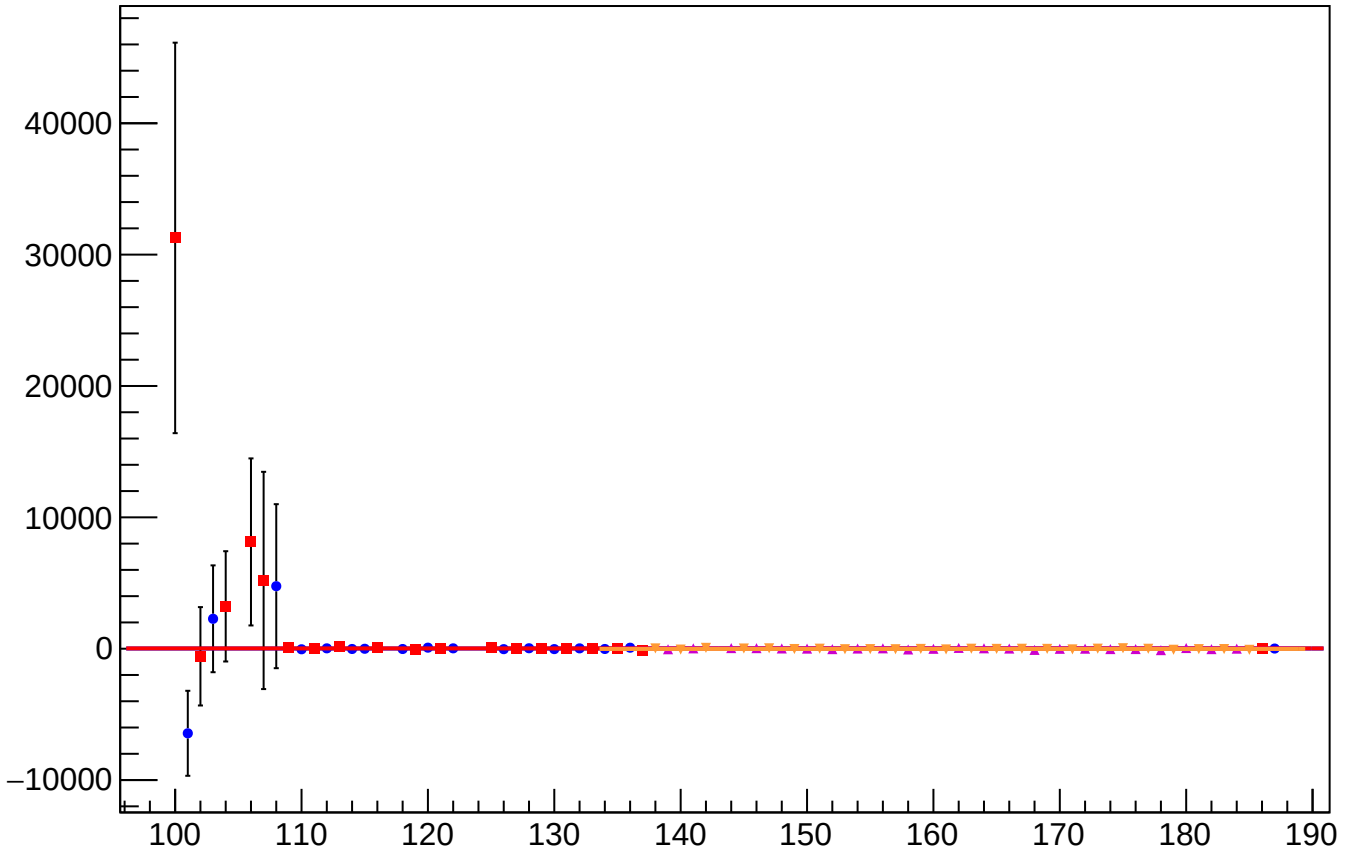
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 184.154+/-0.041 χ^2/NDF: 8420989.9/35

In: 187.739+/-0.028 χ^2/NDF:5311864.8/39

Out: 192.400+/-0.029 χ^2/NDF:6391815.2/42

All: 190.015+/-0.020 χ^2/NDF: 11717032.0/82



Right In: 13.661+/-12.865 χ^2/NDF: 15.5/16

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 22.887+/-12.986 χ^2/NDF: 28.5/18

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

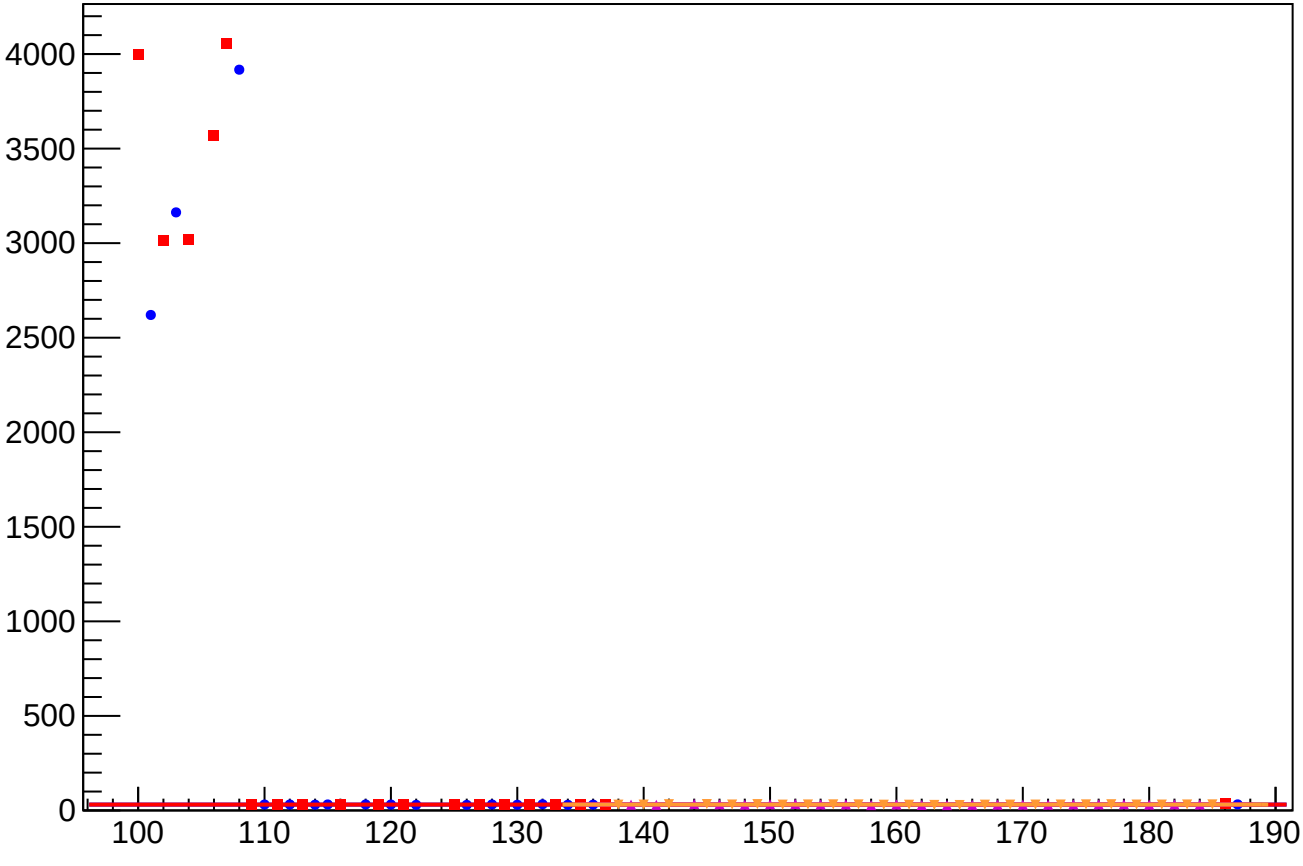
Right: 18.231+/-9.139 χ^2/NDF: 44.2/35

In: 1.318+/-6.380 χ^2/NDF:52.2/39

Out: -8.407+/-6.337 χ^2/NDF:56.4/42

All: -3.578+/-4.496 χ^2/NDF: 109.8/82

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 30.962+/-0.009 χ^2/NDF: 3253046.2/16

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 31.021+/-0.009 χ^2/NDF: 3544949.4/18

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

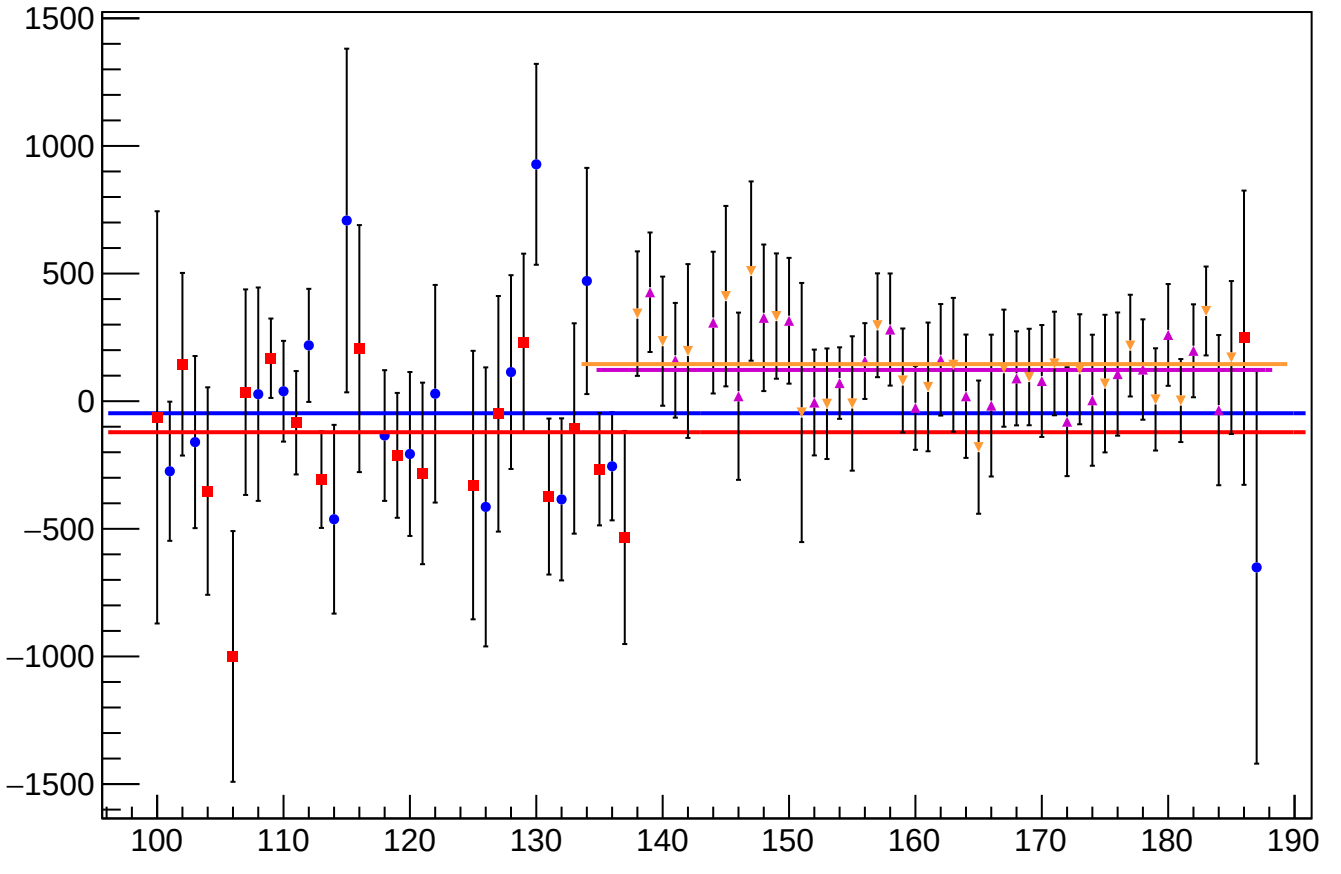
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.991+/-0.006 χ^2/NDF: 6798016.4/35

In: 31.277+/-0.005 χ^2/NDF:3339864.5/39

Out: 31.174+/-0.004 χ^2/NDF:3592735.9/42

All: 31.225+/-0.003 χ^2/NDF: 6932862.7/82



Right In: -47.191+/-76.754 χ^2/NDF: 16.2/16

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -121.530+/-68.885 χ^2/NDF: 13.2/18

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

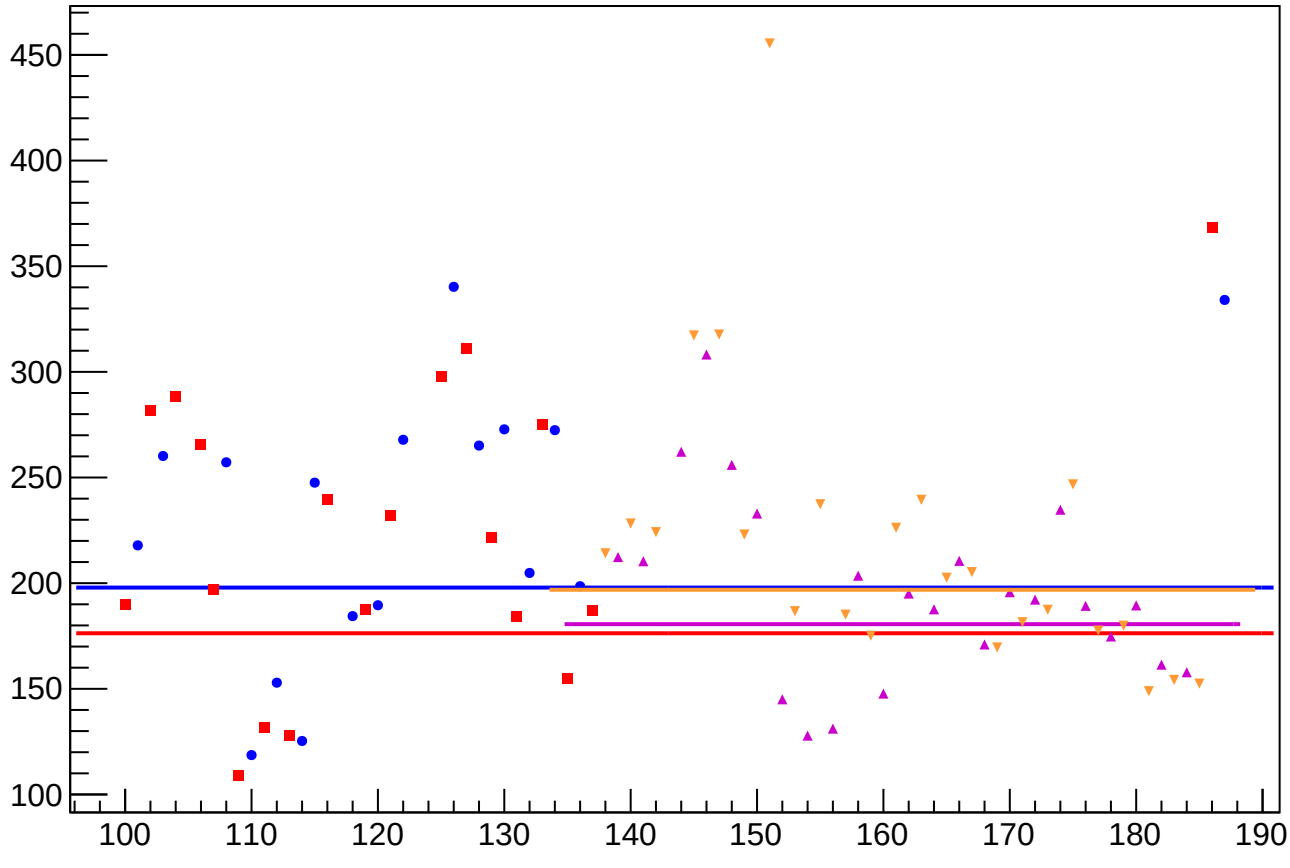
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -88.365+/-51.266 χ^2/NDF: 29.9/35

In: 80.318+/-38.225 χ^2/NDF:27.8/39

Out: 59.591+/-39.043 χ^2/NDF:32.7/42

All: 70.174+/-27.314 χ^2/NDF: 60.7/82



Right In: 197.912+/-0.054 χ^2/NDF: 1064086.6/16

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 176.295+/-0.049 χ^2/NDF: 1758473.3/18

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

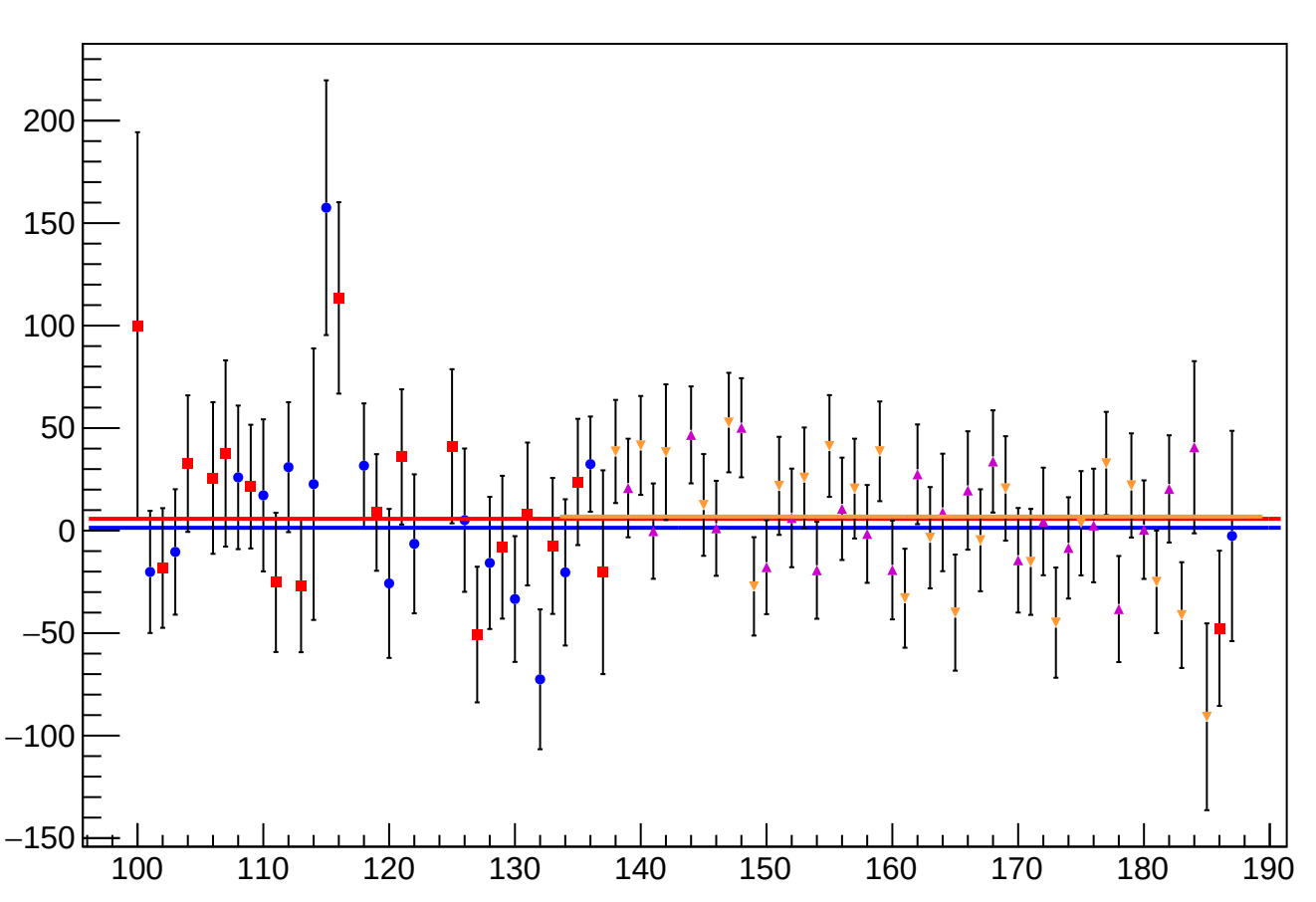
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 185.939+/-0.036 χ^2/NDF: 2910427.2/35

In: 184.895+/-0.027 χ^2/NDF:2768659.2/39

Out: 190.262+/-0.028 χ^2/NDF:3604719.8/42

All: 187.522+/-0.019 χ^2/NDF: 6392678.1/82



Right In: 1.369+/-8.261 χ^2/NDF: 18.7/16

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 5.769+/-8.094 χ^2/NDF: 18.1/18

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

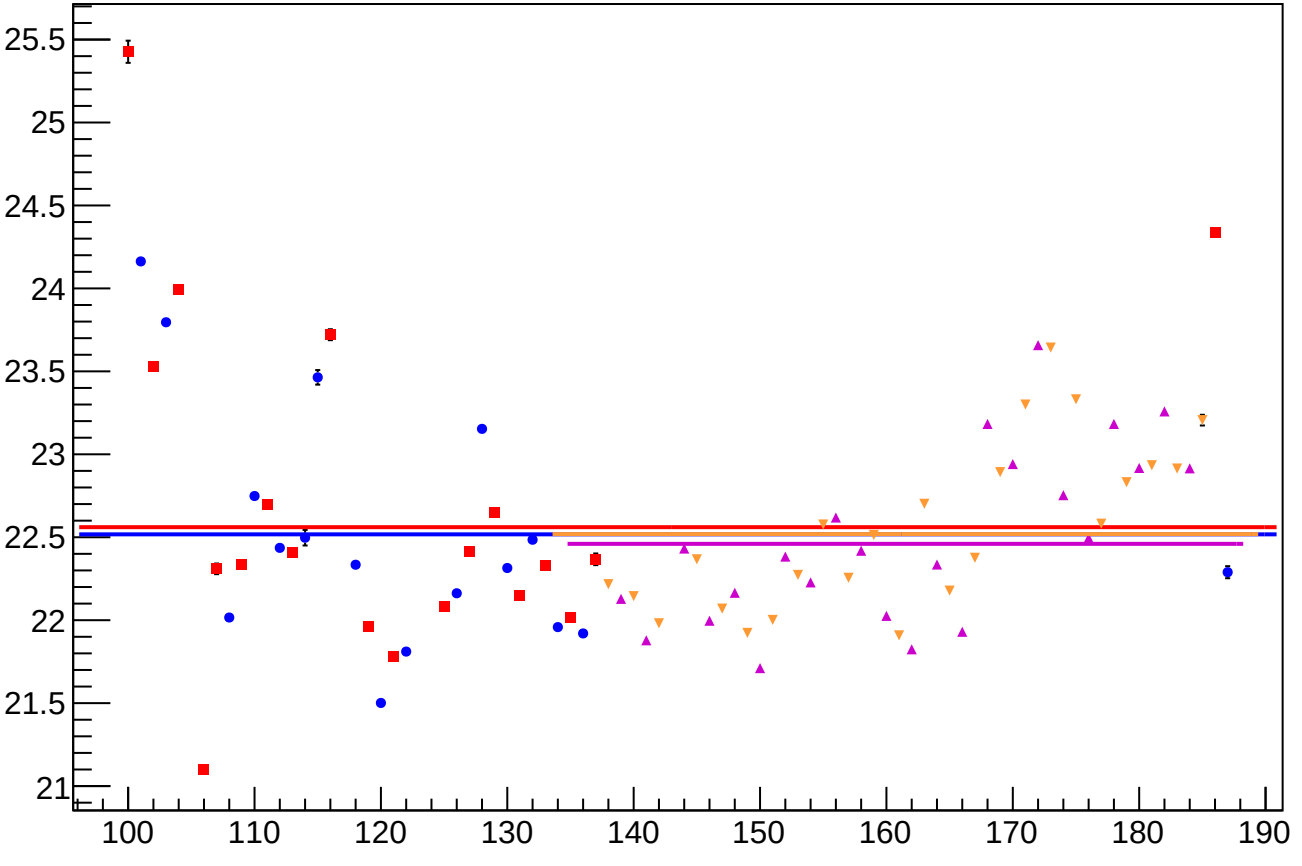
Right: 3.614+/-5.782 χ^2/NDF: 36.9/35

In: 5.012+/-4.429 χ^2/NDF:36.4/39

Out: 6.537+/-4.392 χ^2/NDF:55.0/42

All: 5.781+/-3.119 χ^2/NDF: 91.4/82

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.517+/-0.006 χ^2/NDF: 15988.4/16

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.561+/-0.006 χ^2/NDF: 20152.5/18

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

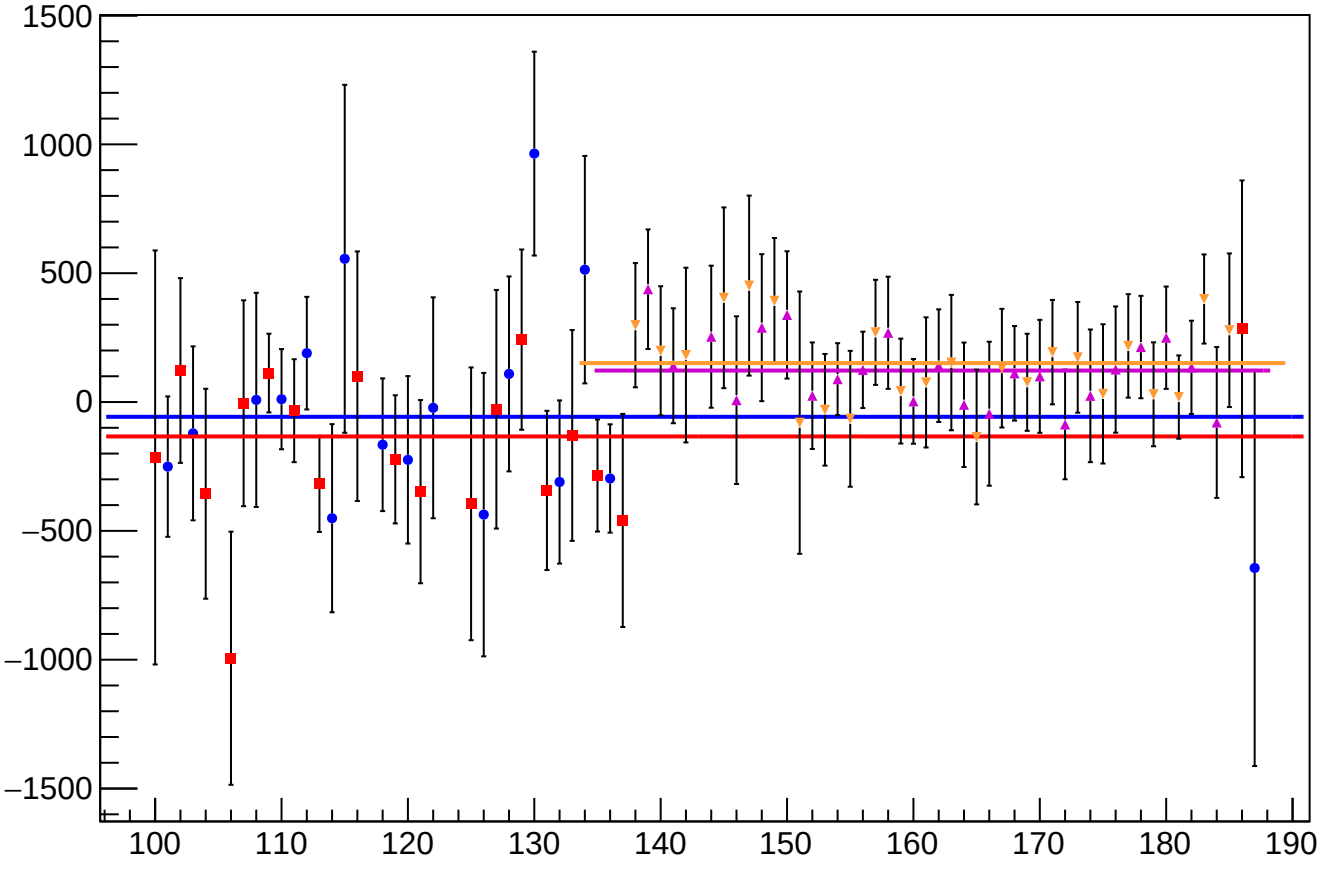
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.540+/-0.004 χ^2/NDF: 36168.9/35

In: 22.477+/-0.003 χ^2/NDF:35174.1/39

Out: 22.531+/-0.003 χ^2/NDF:36188.3/42

All: 22.504+/-0.002 χ^2/NDF: 71515.7/82



Right In: -57.348+/-76.417 χ^2/NDF: 15.9/16

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -133.567+/-68.400 χ^2/NDF: 12.1/18

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

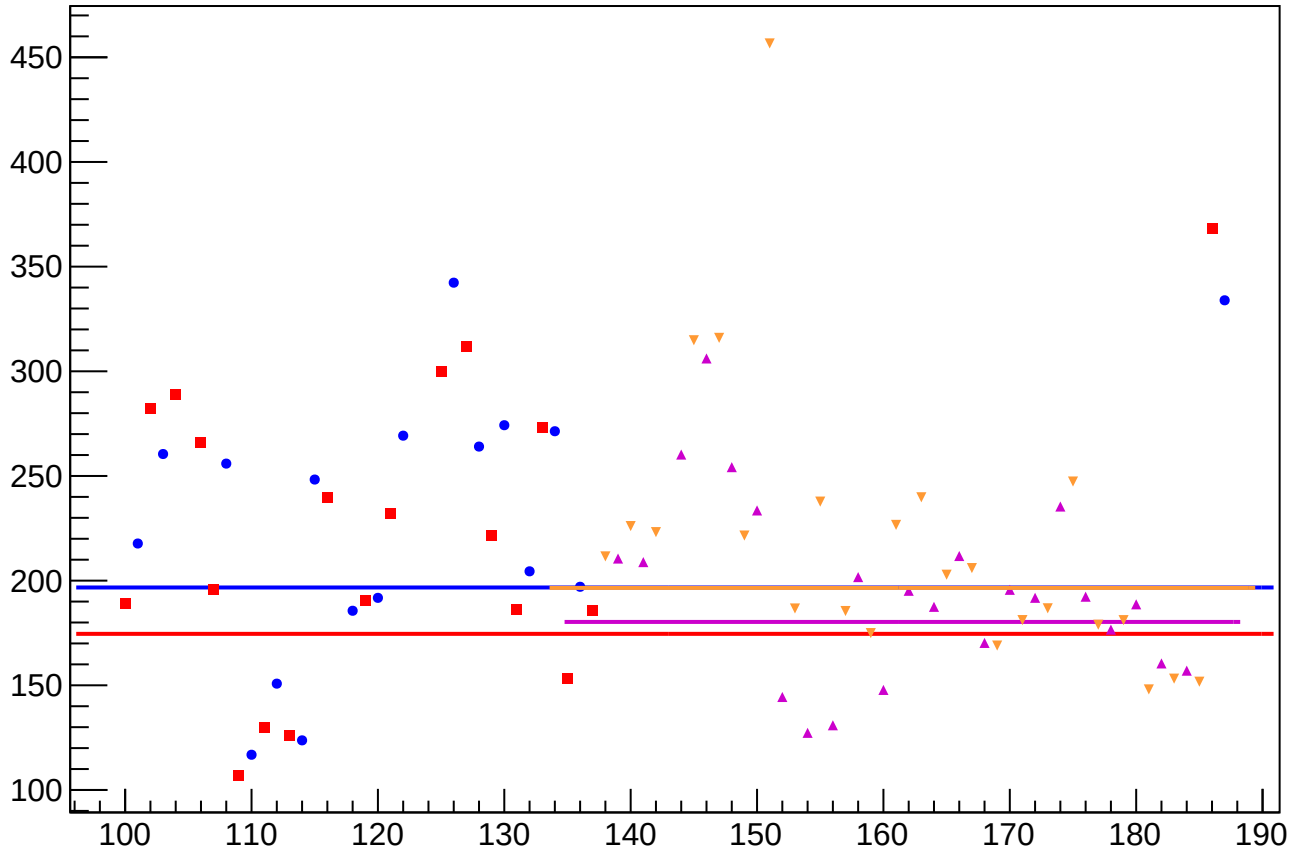
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -99.664+/-50.966 χ^2/NDF: 28.6/35

In: 77.460+/-38.135 χ^2/NDF:27.5/39

Out: 58.974+/-38.913 χ^2/NDF:33.8/42

All: 68.404+/-27.236 χ^2/NDF: 61.4/82



Right In: 196.730+/-0.054 χ^2/NDF: 1105776.3/16

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 174.578+/-0.048 χ^2/NDF: 1830353.8/18

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

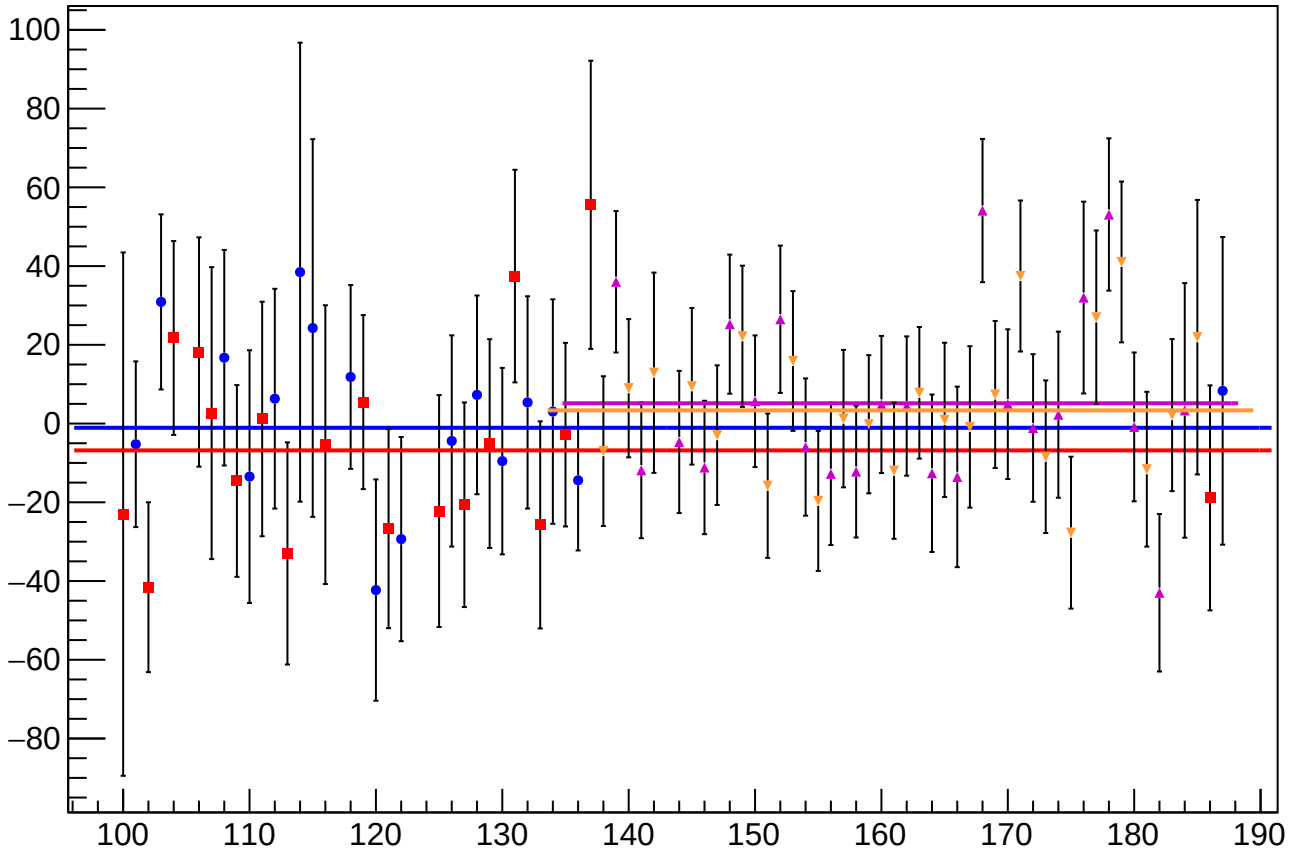
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 184.432+/-0.036 χ^2/NDF: 3029437.7/35

In: 184.372+/-0.027 χ^2/NDF:2800108.2/39

Out: 189.428+/-0.028 χ^2/NDF:3697608.3/42

All: 186.849+/-0.019 χ^2/NDF: 6514934.1/82



Right In: -1.071+/-6.410 χ^2/NDF: 8.1/16

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -6.814+/-6.313 χ^2/NDF: 13.6/18

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

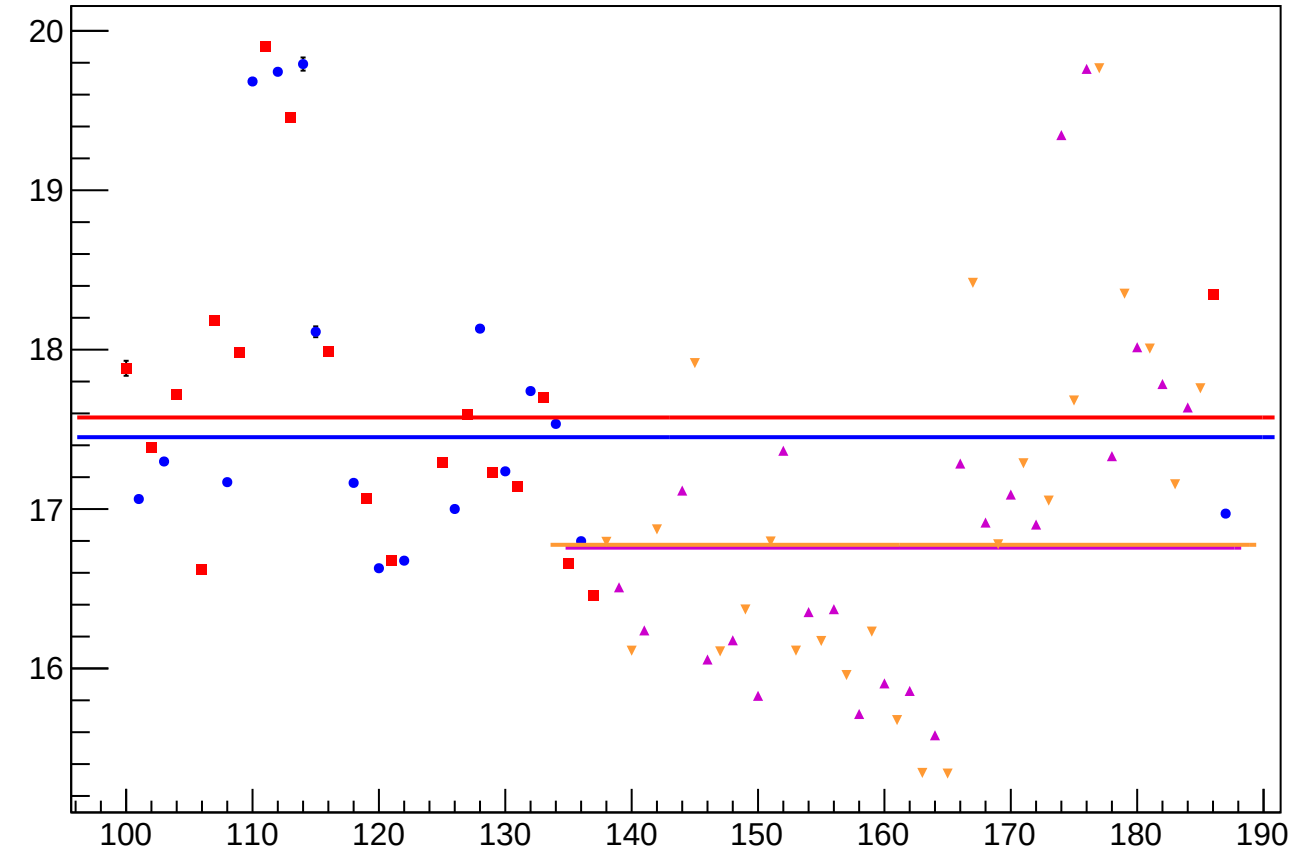
Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

Right: -3.987+/-4.498 χ^2/NDF: 22.1/35

In: 3.455+/-3.347 χ^2/NDF:41.0/39

Out: 0.544+/-3.321 χ^2/NDF:33.2/42

All: 1.988+/-2.357 χ^2/NDF: 74.6/82



Right In: 17.451+/-0.005 χ^2/NDF: 36959.7/16

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.575+/-0.004 χ^2/NDF: 36006.7/18

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

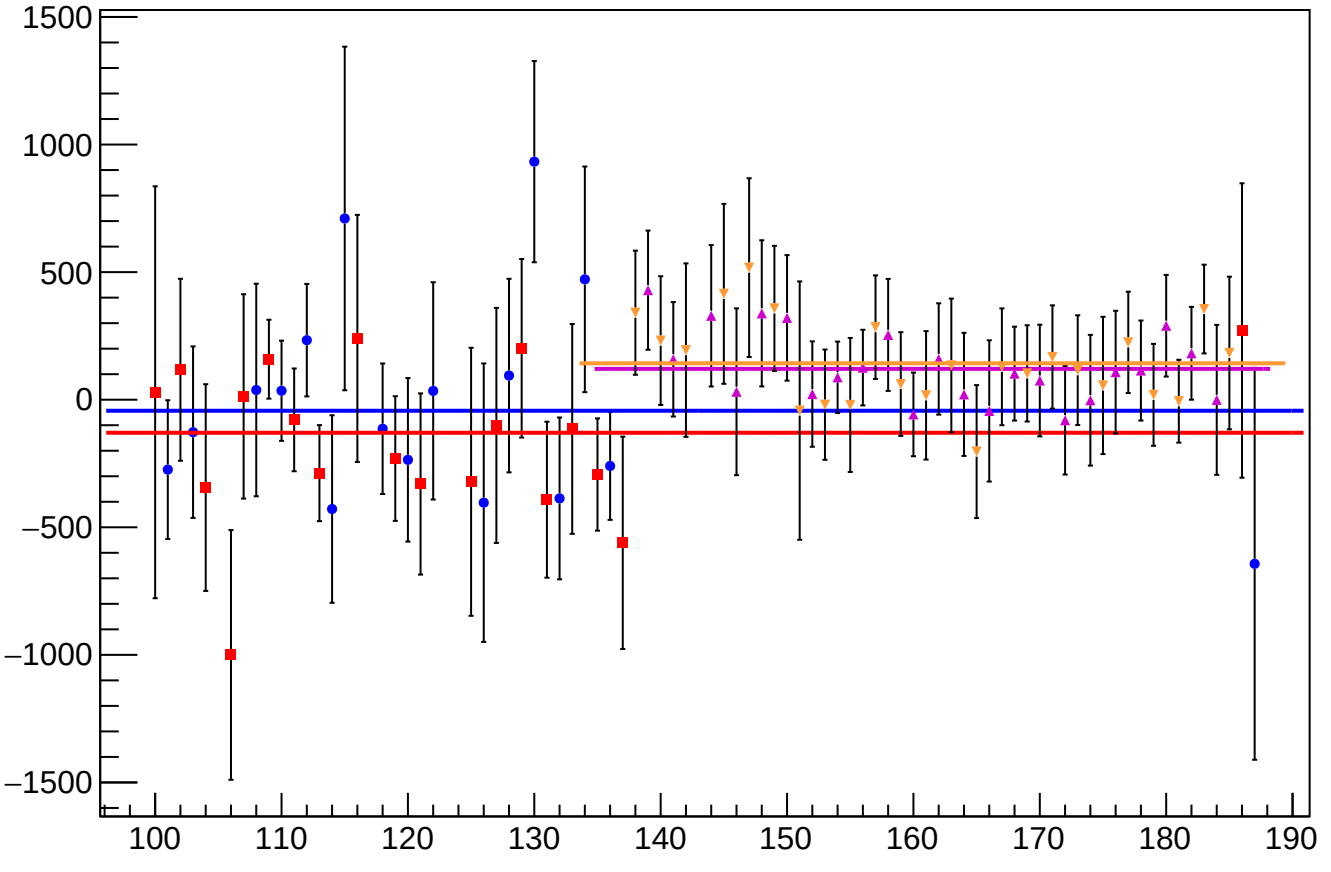
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.514+/-0.003 χ^2/NDF: 73344.4/35

In: 16.947+/-0.002 χ^2/NDF:177273.9/39

Out: 16.997+/-0.002 χ^2/NDF:195314.5/42

All: 16.972+/-0.002 χ^2/NDF: 372814.0/82



Right In: -43.259+/-76.532 χ^2/NDF: 16.3/16

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -129.521+/-68.666 χ^2/NDF: 13.3/18

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

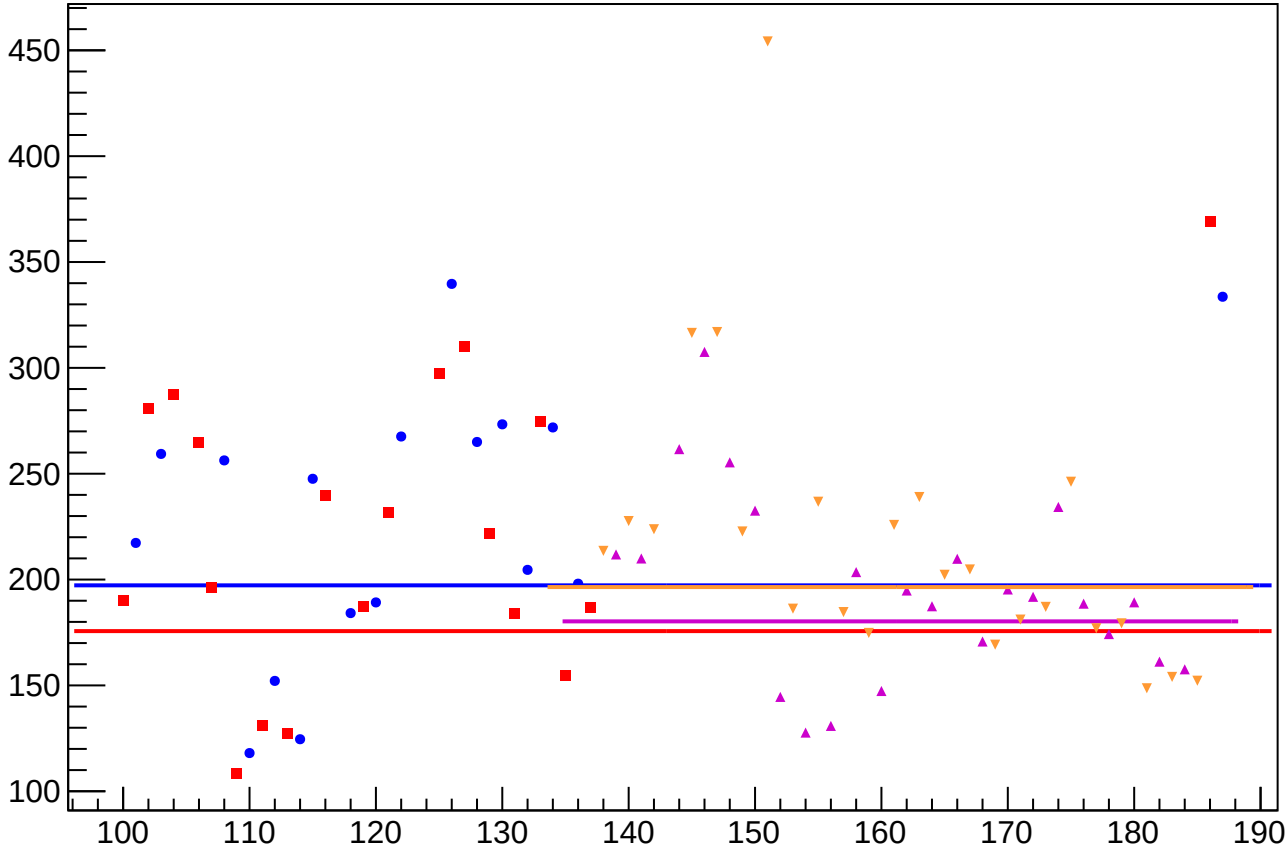
Right: -91.050+/-51.110 χ^2/NDF: 30.3/35

In: 80.118+/-38.141 χ^2/NDF:28.0/39

Out: 55.126+/-38.946 χ^2/NDF:34.1/42

All: 67.883+/-27.250 χ^2/NDF: 62.3/82

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 197.267+/-0.054 χ^2/NDF: 1074678.7/16

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 175.650+/-0.049 χ^2/NDF: 1770934.0/18

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

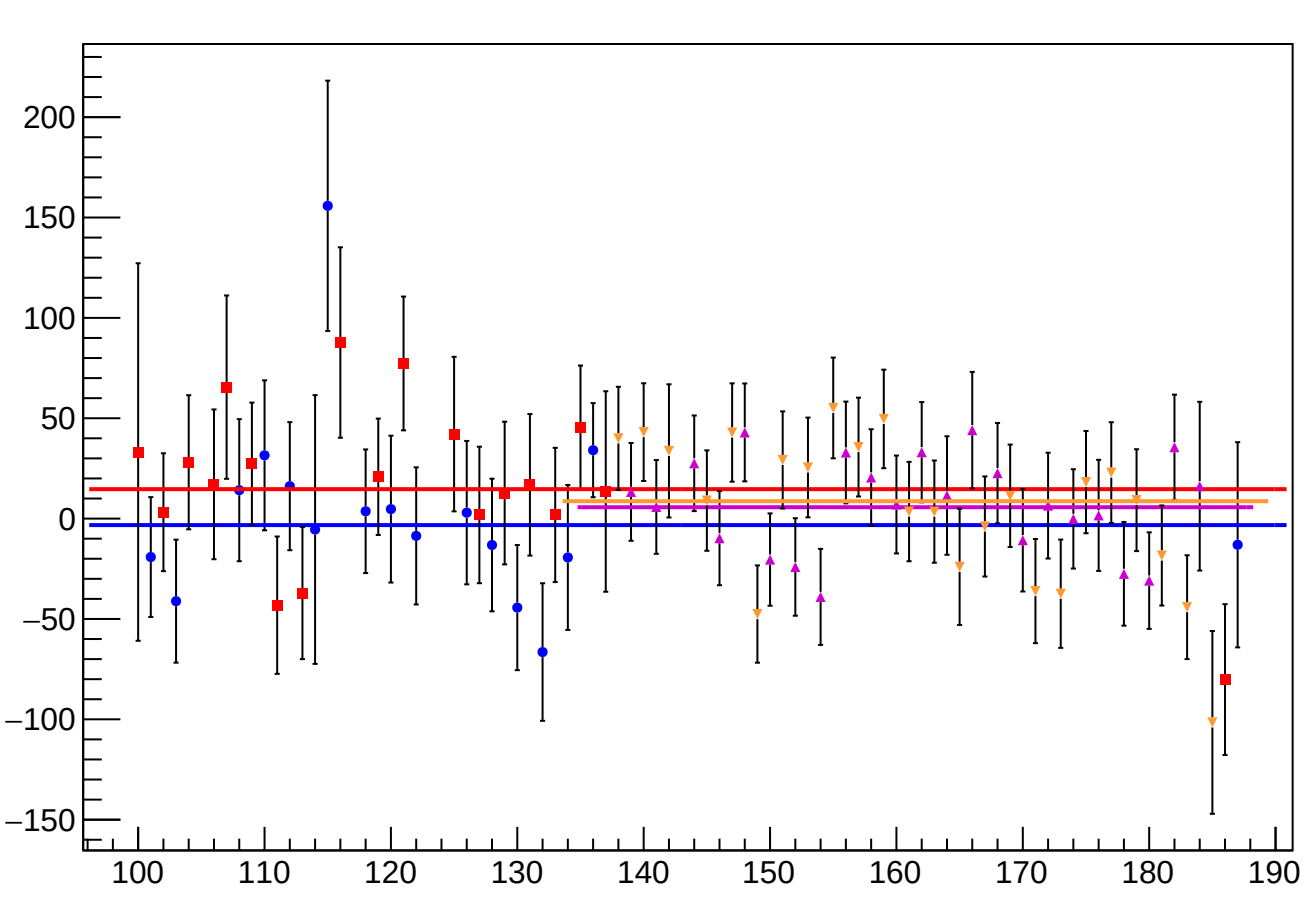
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 185.291+/-0.036 χ^2/NDF: 2934015.3/35

In: 184.475+/-0.027 χ^2/NDF:2776797.4/39

Out: 189.760+/-0.028 χ^2/NDF:3618965.8/42

All: 187.062+/-0.019 χ^2/NDF: 6414562.6/82



Right In: -3.236+/-8.341 χ^2/NDF: 18.0/16

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 14.668+/-8.180 χ^2/NDF: 21.2/18

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

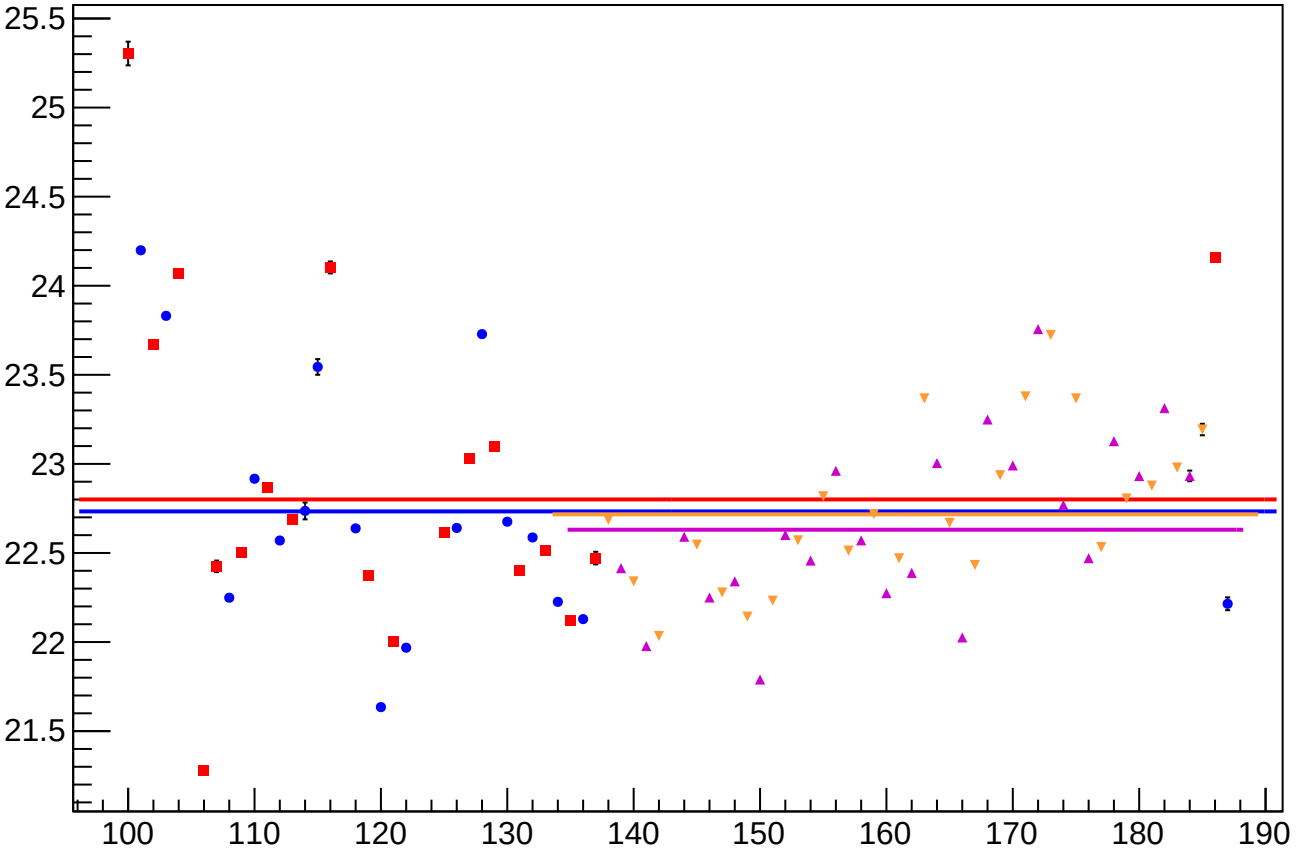
Right: 5.890+/-5.840 χ^2/NDF: 41.5/35

In: 3.116+/-4.465 χ^2/NDF:39.6/39

Out: 10.428+/-4.433 χ^2/NDF:60.8/42

All: 6.798+/-3.146 χ^2/NDF: 101.7/82

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.733+/-0.006 χ^2/NDF: 14834.2/16

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.801+/-0.006 χ^2/NDF: 17135.2/18

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

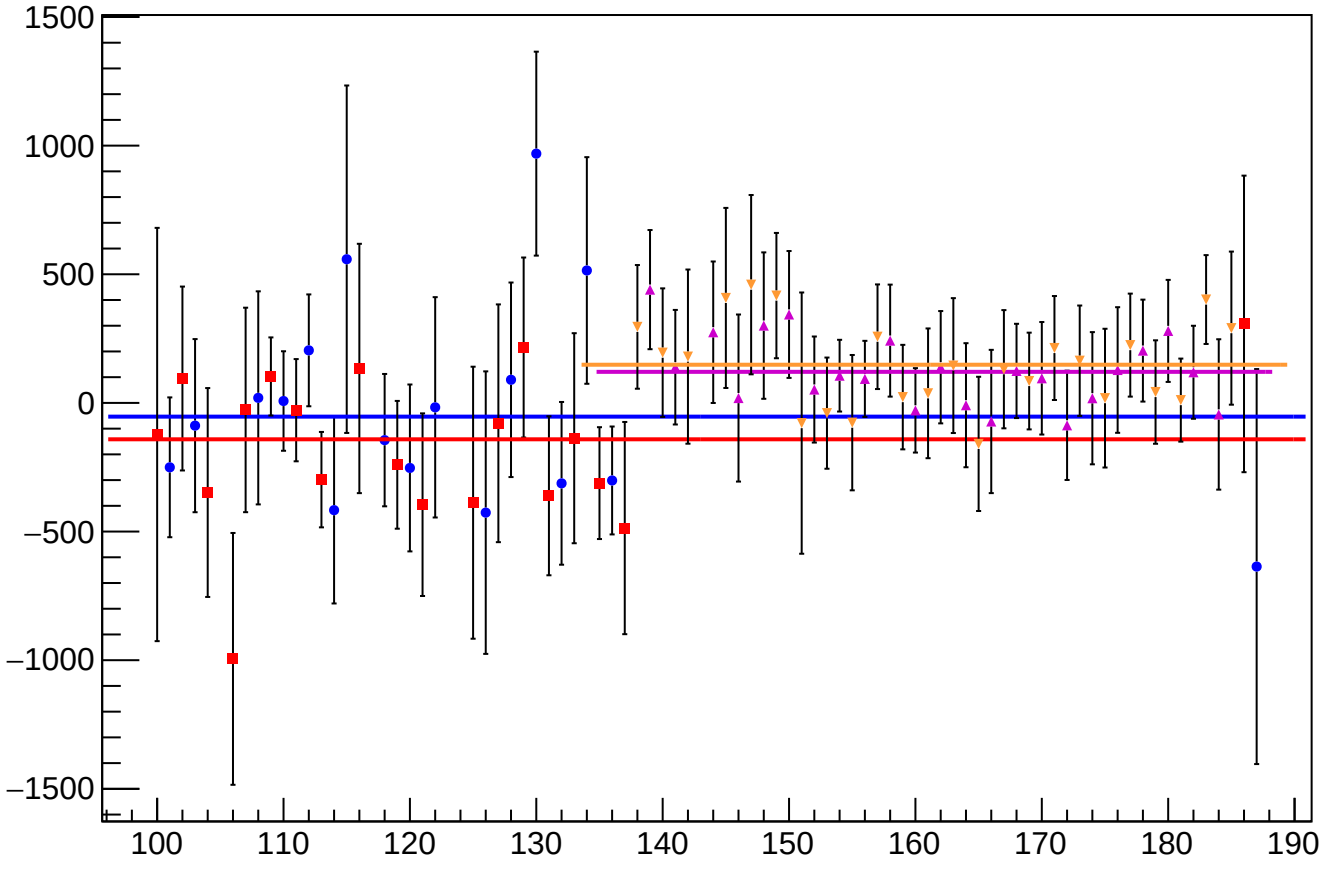
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.768+/-0.004 χ^2/NDF: 32035.6/35

In: 22.660+/-0.003 χ^2/NDF:30442.1/39

Out: 22.742+/-0.003 χ^2/NDF:29460.1/42

All: 22.701+/-0.002 χ^2/NDF: 60238.0/82



Right In: -53.321+/-76.193 χ^2/NDF: 16.0/16

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -141.447+/-68.177 χ^2/NDF: 12.1/18

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

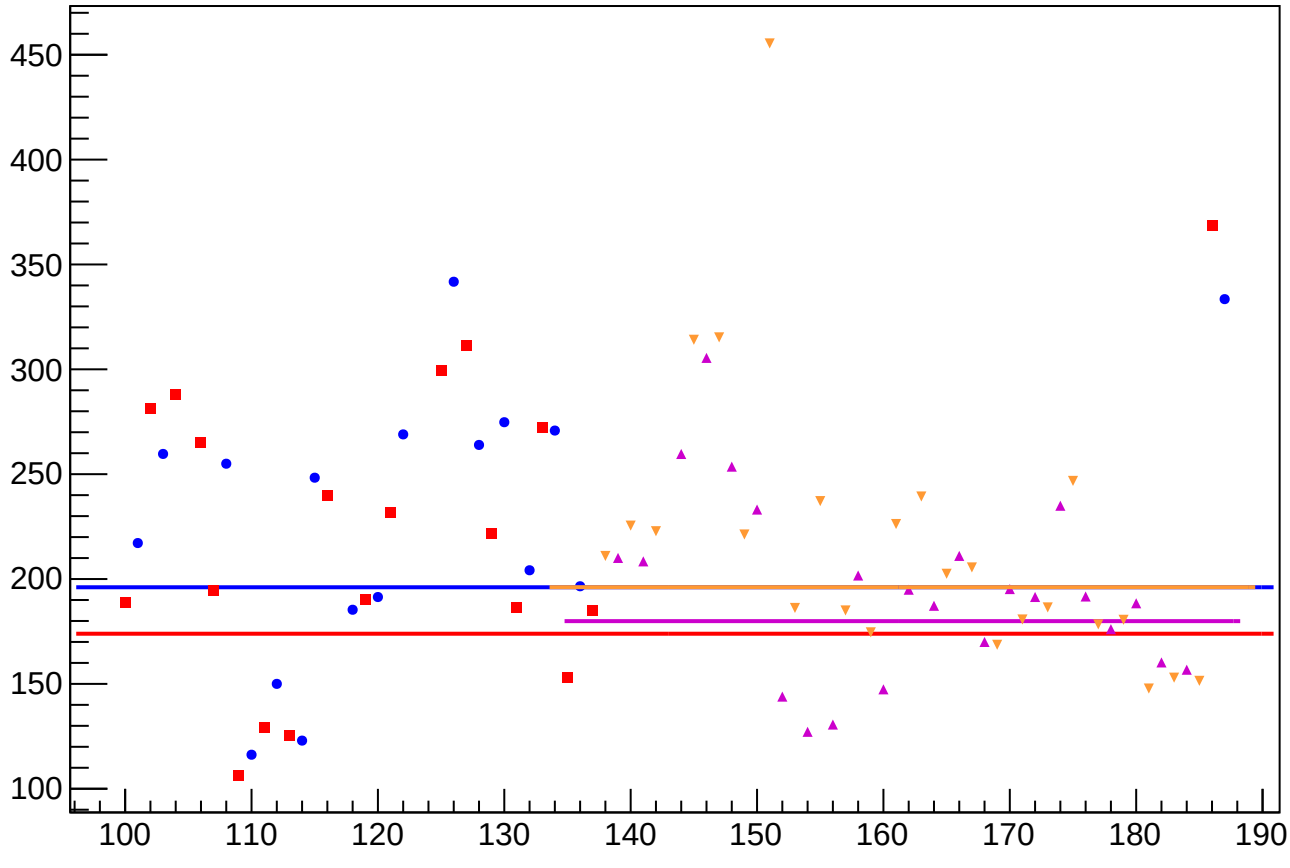
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -102.262+/-50.807 χ^2/NDF: 28.9/35

In: 77.343+/-38.051 χ^2/NDF:27.8/39

Out: 54.470+/-38.815 χ^2/NDF:35.3/42

All: 66.134+/-27.172 χ^2/NDF: 63.2/82



Right In: 196.075+/-0.054 χ^2/NDF: 1116996.8/16

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 173.921+/-0.048 χ^2/NDF: 1843580.5/18

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

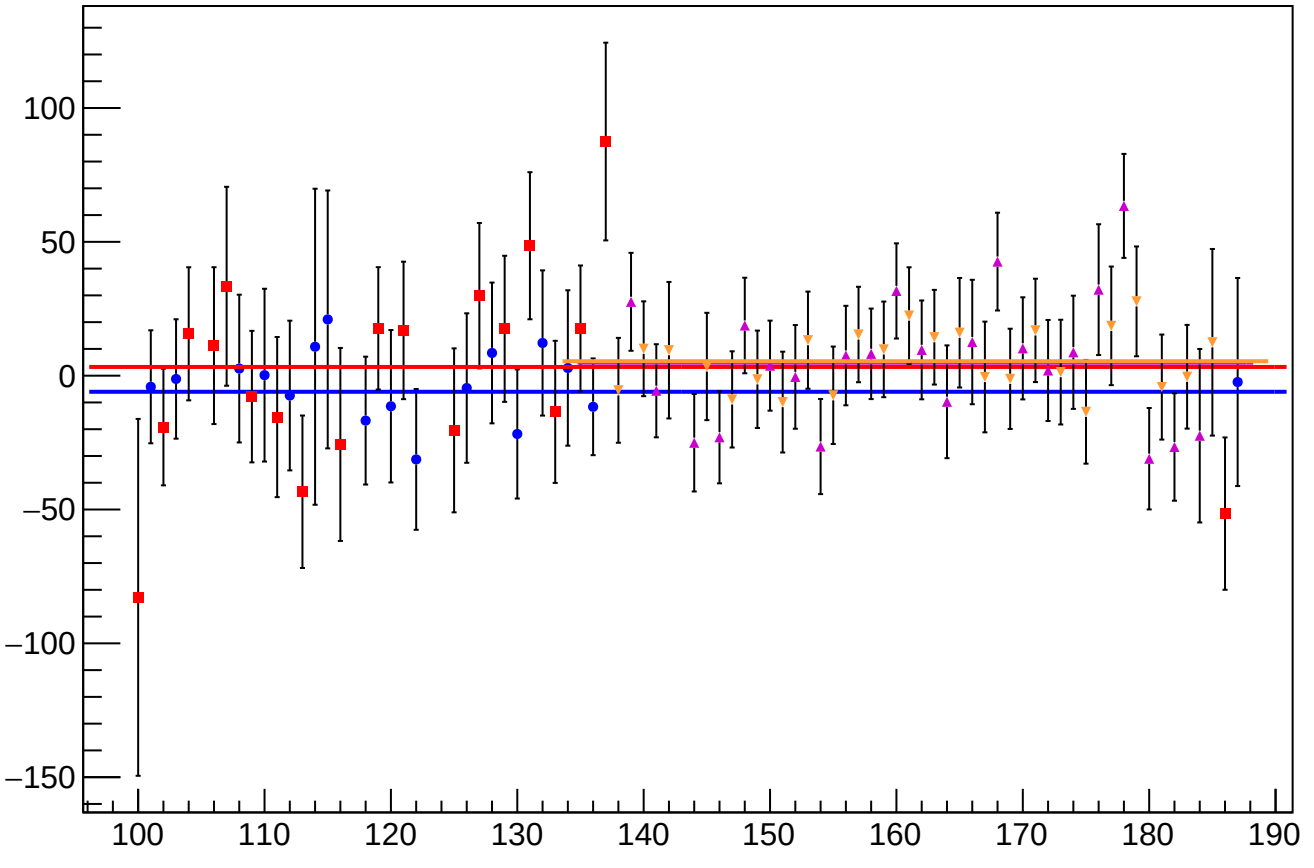
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 183.772+/-0.036 χ^2/NDF: 3054482.9/35

In: 183.952+/-0.027 χ^2/NDF:2808599.7/39

Out: 188.919+/-0.027 χ^2/NDF:3713083.8/42

All: 186.386+/-0.019 χ^2/NDF: 6538389.1/82



Right In: -6.014+/-6.500 χ^2/NDF: 3.1/16

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 3.264+/-6.411 χ^2/NDF: 22.5/18

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

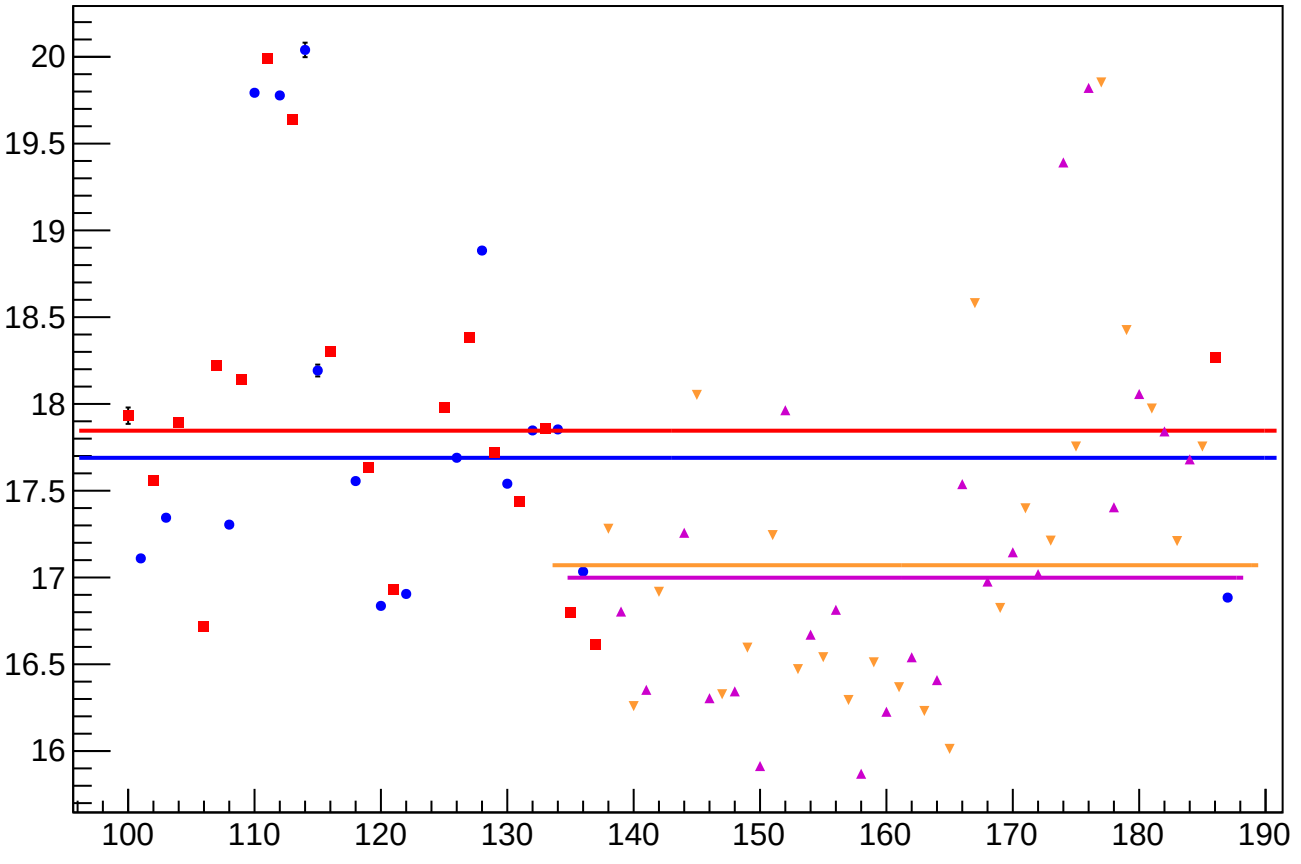
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: -1.312+/-4.564 χ^2/NDF: 26.7/35

In: 1.893+/-3.394 χ^2/NDF:40.7/39

Out: 4.812+/-3.376 χ^2/NDF:30.4/42

All: 3.360+/-2.394 χ^2/NDF: 71.5/82



Right In: 17.689+/-0.005 χ^2/NDF: 36866.9/16

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.846+/-0.005 χ^2/NDF: 32970.3/18

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

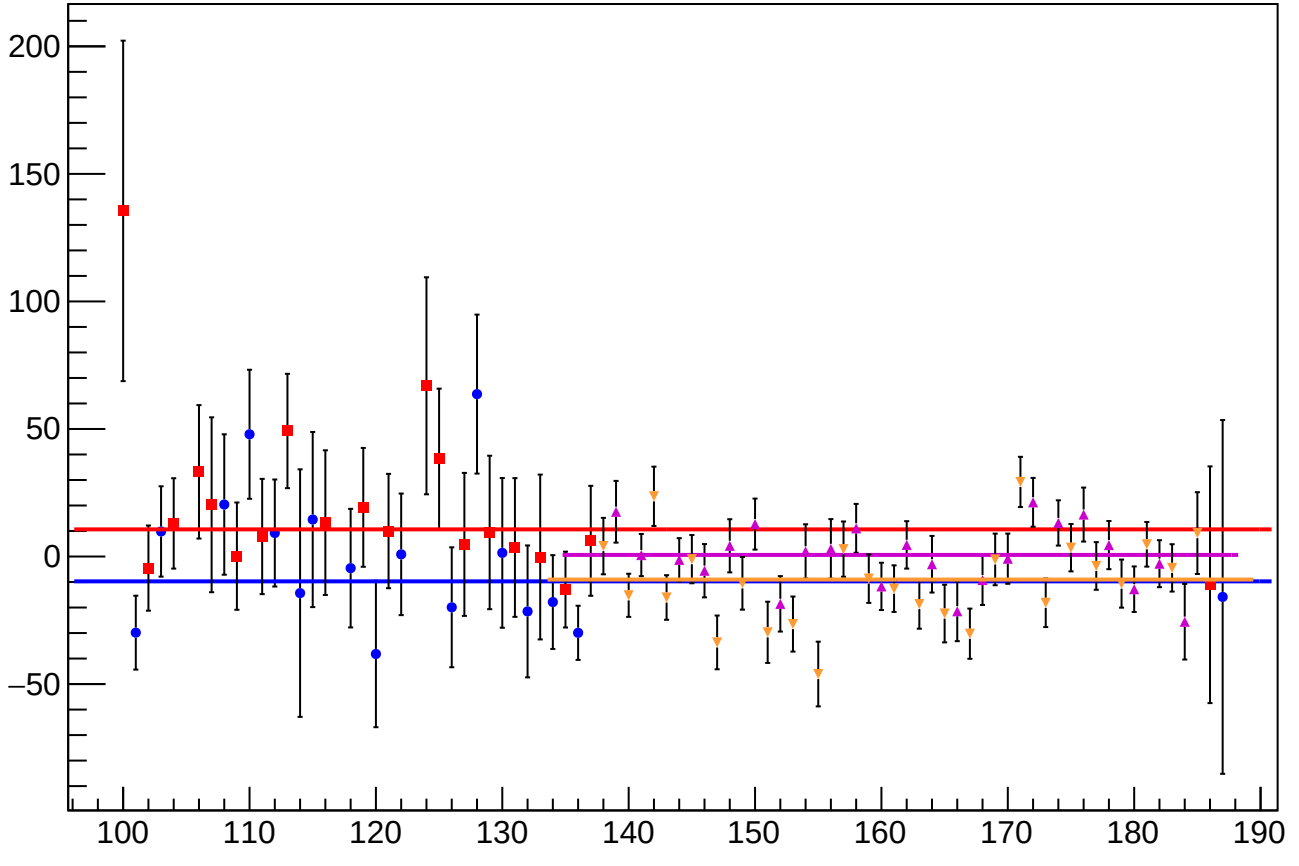
Right: 17.769+/-0.003 χ^2/NDF: 70424.0/35

In: 17.187+/-0.002 χ^2/NDF:157316.9/39

Out: 17.286+/-0.002 χ^2/NDF:150410.5/42

All: 17.237+/-0.002 χ^2/NDF: 308575.3/82

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -9.736+/-5.217 χ^2/NDF: 22.0/16

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: 10.641+/-5.399 χ^2/NDF: 14.3/19

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

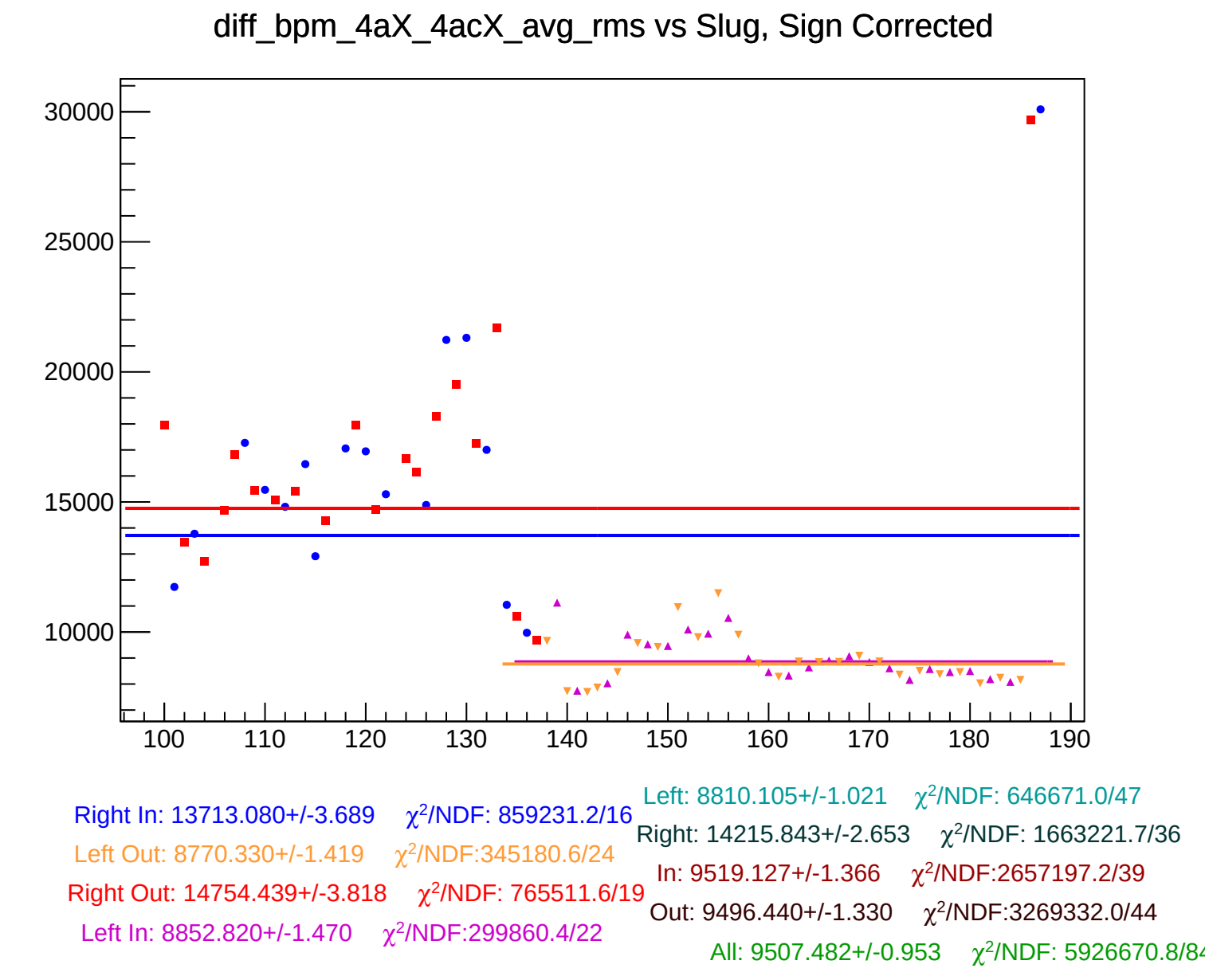
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

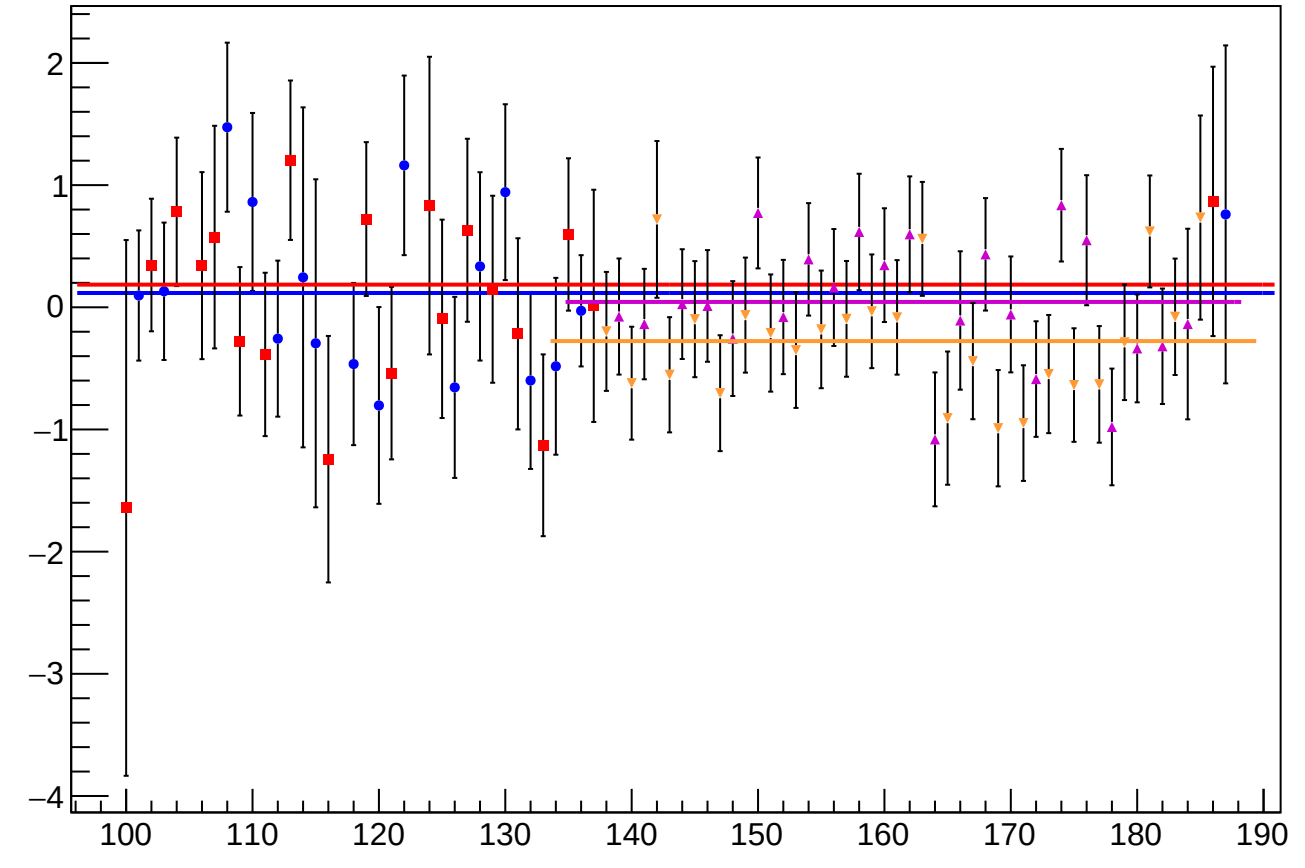
Right: 0.101+/-3.752 χ^2/NDF: 43.7/36

In: -0.793+/-1.931 χ^2/NDF:54.9/39

Out: -6.641+/-1.881 χ^2/NDF:88.0/44

All: -3.795+/-1.347 χ^2/NDF: 147.6/84


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 13713.080+/-3.689 χ²/NDF: 859231.2/16
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 14754.439+/-3.818 χ²/NDF: 765511.6/19
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 14215.843+/-2.653 χ²/NDF: 1663221.7/36
In: 9519.127+/-1.366 χ²/NDF:2657197.2/39
Out: 9496.440+/-1.330 χ²/NDF:3269332.0/44
All: 9507.482+/-0.953 χ²/NDF: 5926670.8/84



Right In: 0.117+/-0.170 χ^2/NDF: 13.9/16

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.186+/-0.167 χ^2/NDF: 14.5/19

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

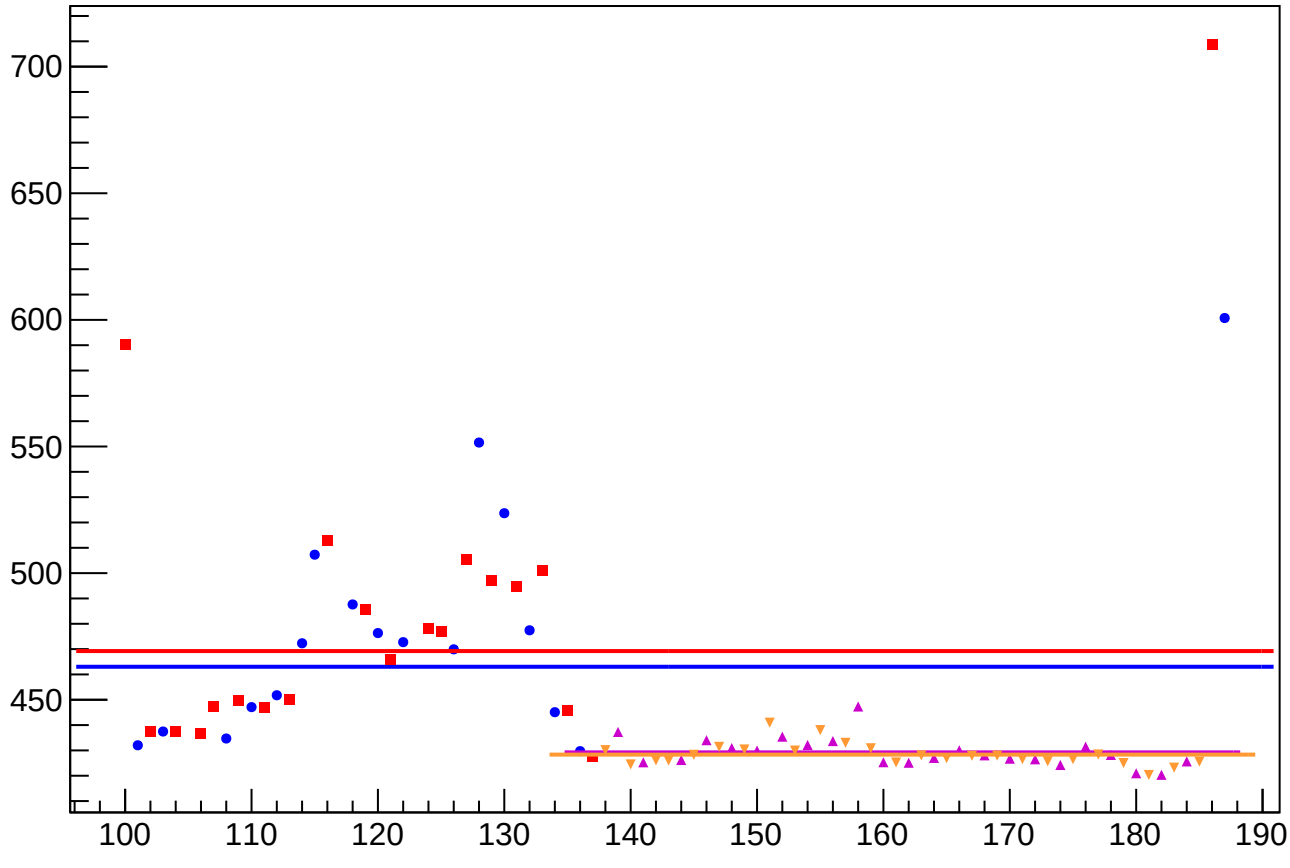
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.152+/-0.119 χ^2/NDF: 28.5/36

In: 0.063+/-0.086 χ^2/NDF:37.8/39

Out: -0.160+/-0.084 χ^2/NDF:41.2/44

All: -0.052+/-0.060 χ^2/NDF: 82.5/84



Right In: 463.028+/-0.120 χ^2/NDF: 95059.1/16

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 469.230+/-0.118 χ^2/NDF: 148765.5/19

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

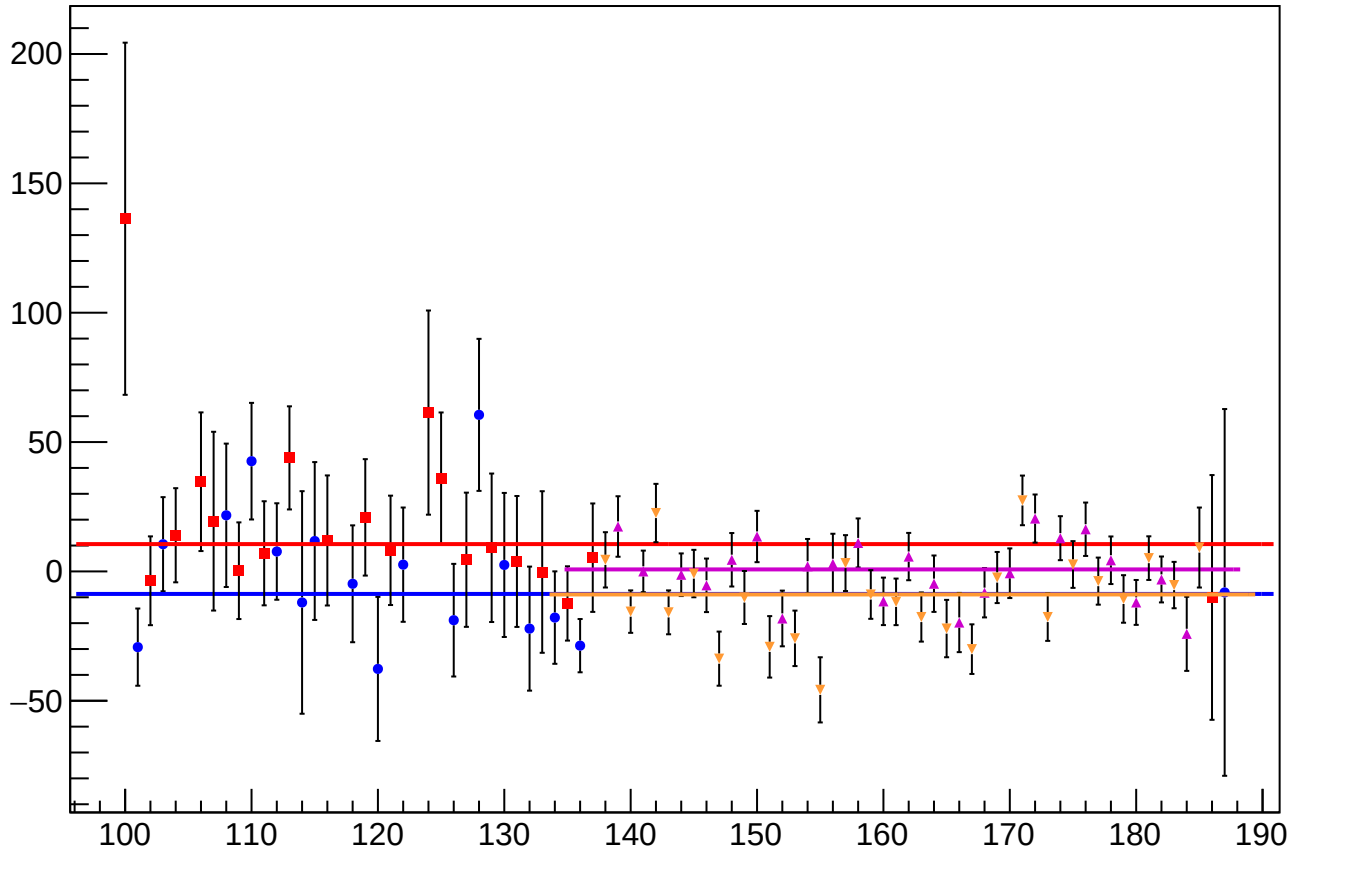
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

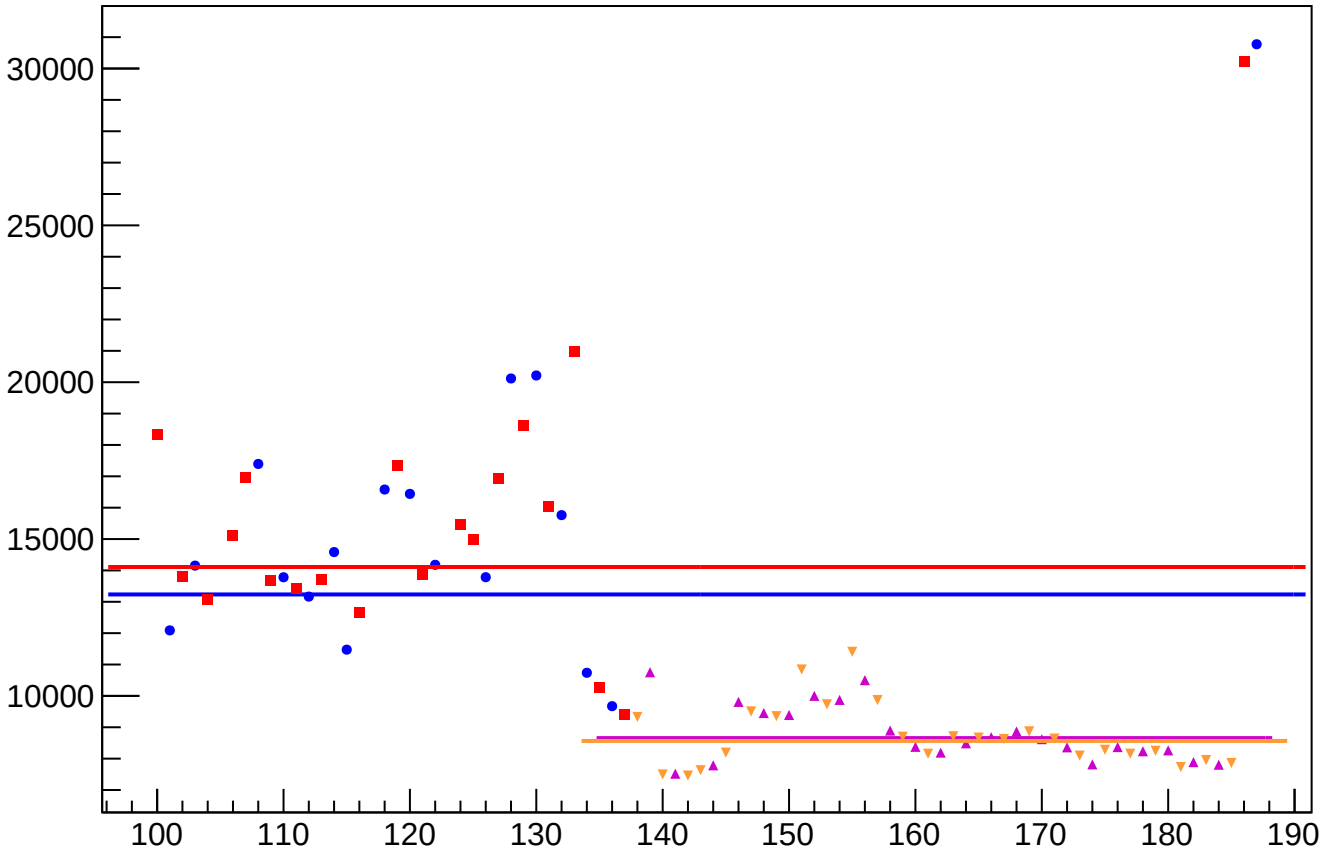
Right: 466.183+/-0.084 χ^2/NDF: 245172.1/36

In: 437.917+/-0.061 χ^2/NDF:160273.9/39

Out: 438.662+/-0.059 χ^2/NDF:241906.5/44

All: 438.299+/-0.043 χ^2/NDF: 402256.8/84


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: -8.705+/-5.023 χ²/NDF: 22.3/16
Left Out: -8.904+/-1.961 χ²/NDF:61.6/24
Right Out: 10.559+/-5.161 χ²/NDF: 14.1/19
Left In: 0.773+/-2.034 χ²/NDF:29.3/22
Left: -4.243+/-1.412 χ²/NDF: 102.6/47
Right: 0.667+/-3.599 χ²/NDF: 43.5/36
In: -0.562+/-1.885 χ²/NDF:54.6/39
Out: -6.449+/-1.833 χ²/NDF:88.0/44
All: -3.588+/-1.314 χ²/NDF: 147.7/84



Right In: 13234.377+/-3.552 χ^2/NDF: 805694.2/16

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 14108.953+/-3.649 χ^2/NDF: 746097.6/19

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

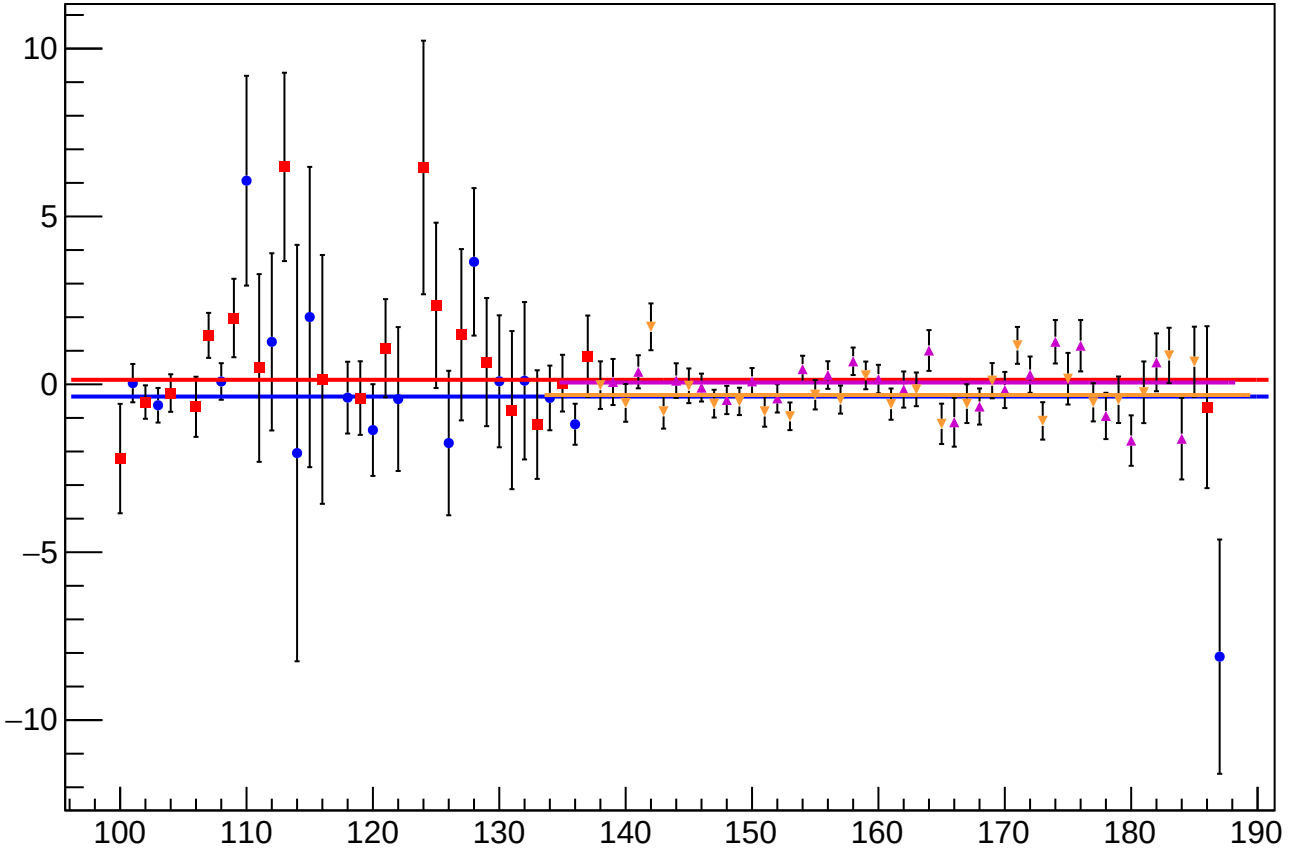
Right: 13659.860+/-2.545 χ^2/NDF: 1581288.2/36

In: 9299.457+/-1.333 χ^2/NDF:2579850.0/39

Out: 9263.919+/-1.296 χ^2/NDF:3164171.3/44

All: 9281.189+/-0.929 χ^2/NDF: 5744386.6/84

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.364+/-0.244 χ^2/NDF: 17.5/16

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.136+/-0.243 χ^2/NDF: 22.6/19

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

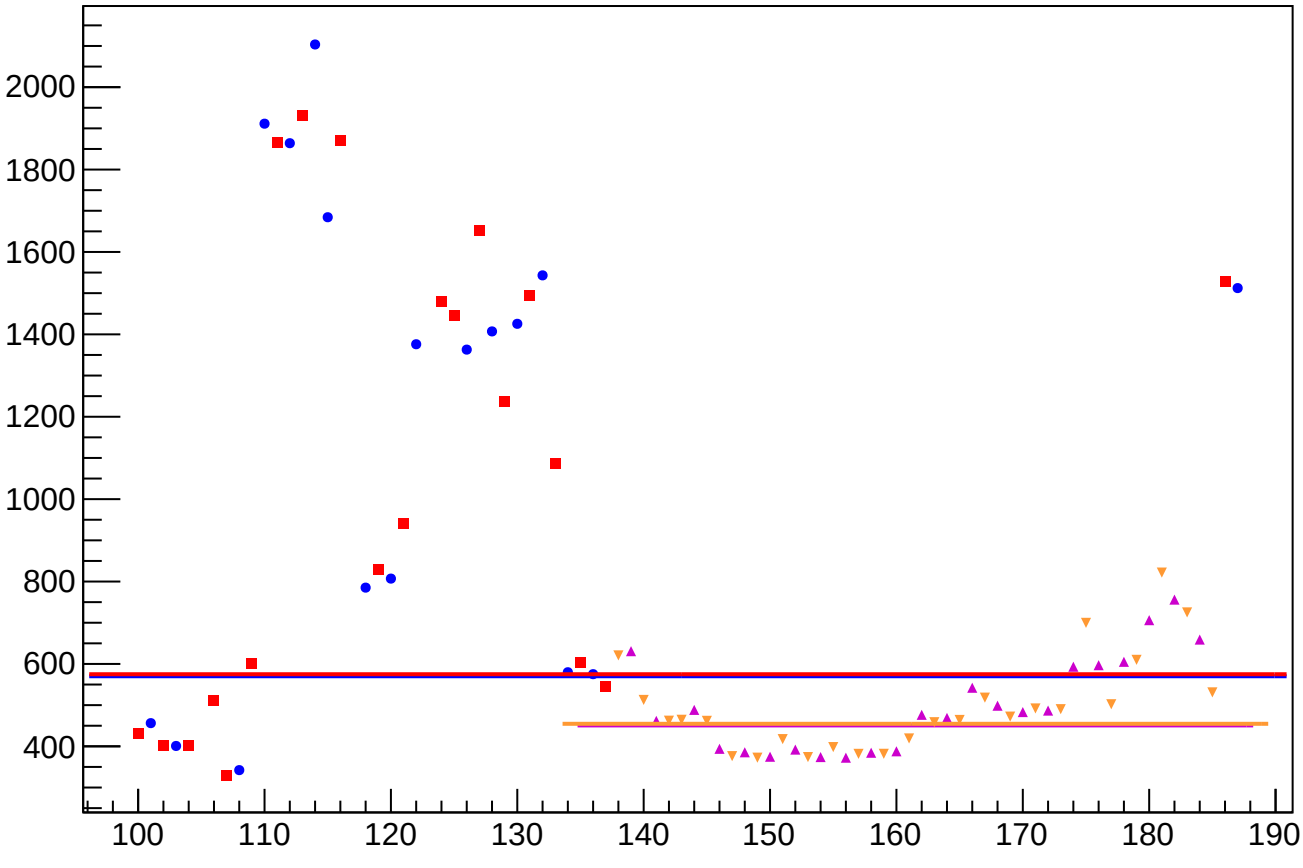
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.114+/-0.172 χ^2/NDF: 42.2/36

In: -0.015+/-0.099 χ^2/NDF:49.8/39

Out: -0.245+/-0.097 χ^2/NDF:57.8/44

All: -0.132+/-0.069 χ^2/NDF: 110.3/84



Right In: 570.144+/-0.172 χ^2/NDF: 3597124.9/16

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 575.020+/-0.172 χ^2/NDF: 3887843.4/19

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

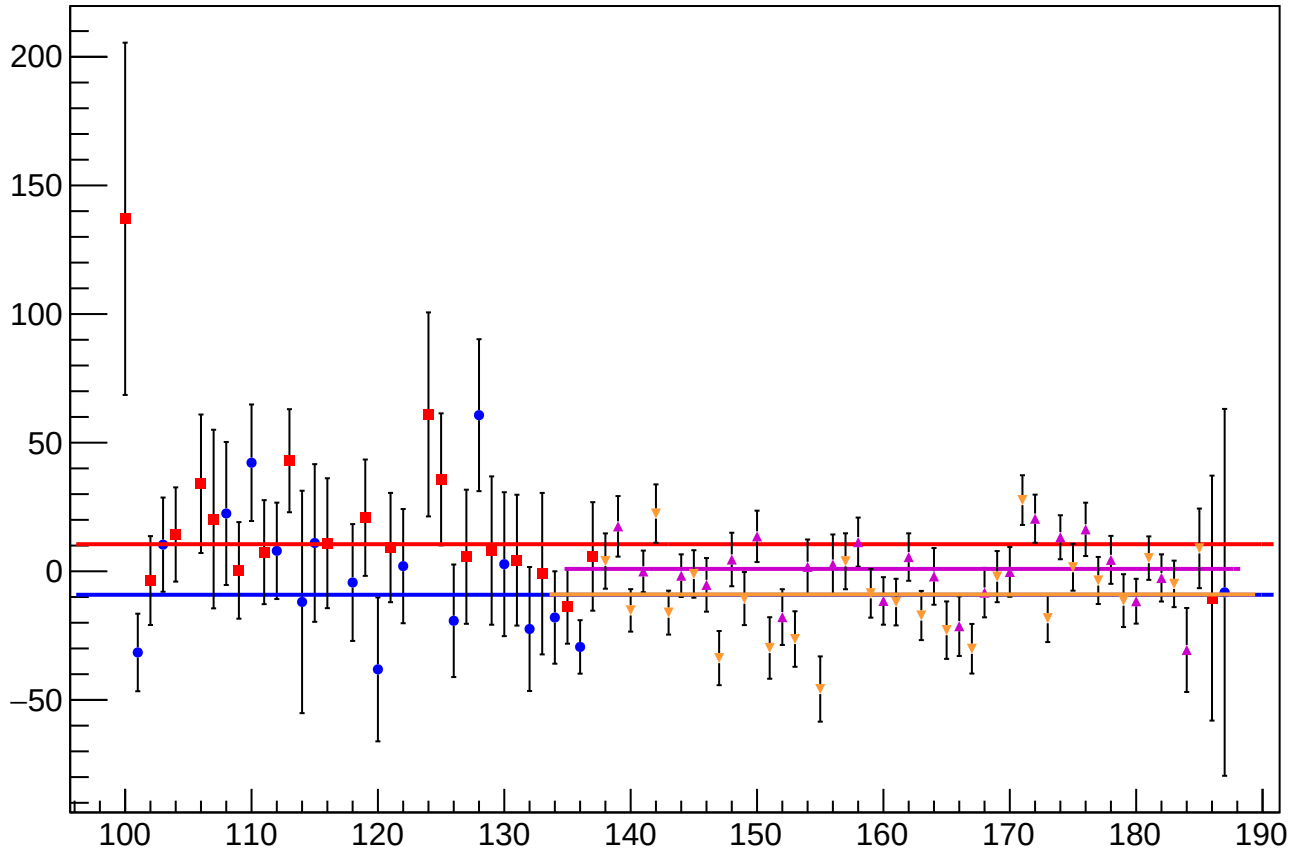
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 572.586+/-0.122 χ^2/NDF: 7485369.8/36

In: 470.428+/-0.070 χ^2/NDF:5470055.4/39

Out: 473.909+/-0.069 χ^2/NDF:5750856.6/44

All: 472.198+/-0.049 χ^2/NDF: 11222173.3/84



Right In: -9.126+/-5.056 χ^2/NDF: 22.7/16

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 10.535+/-5.196 χ^2/NDF: 13.9/19

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

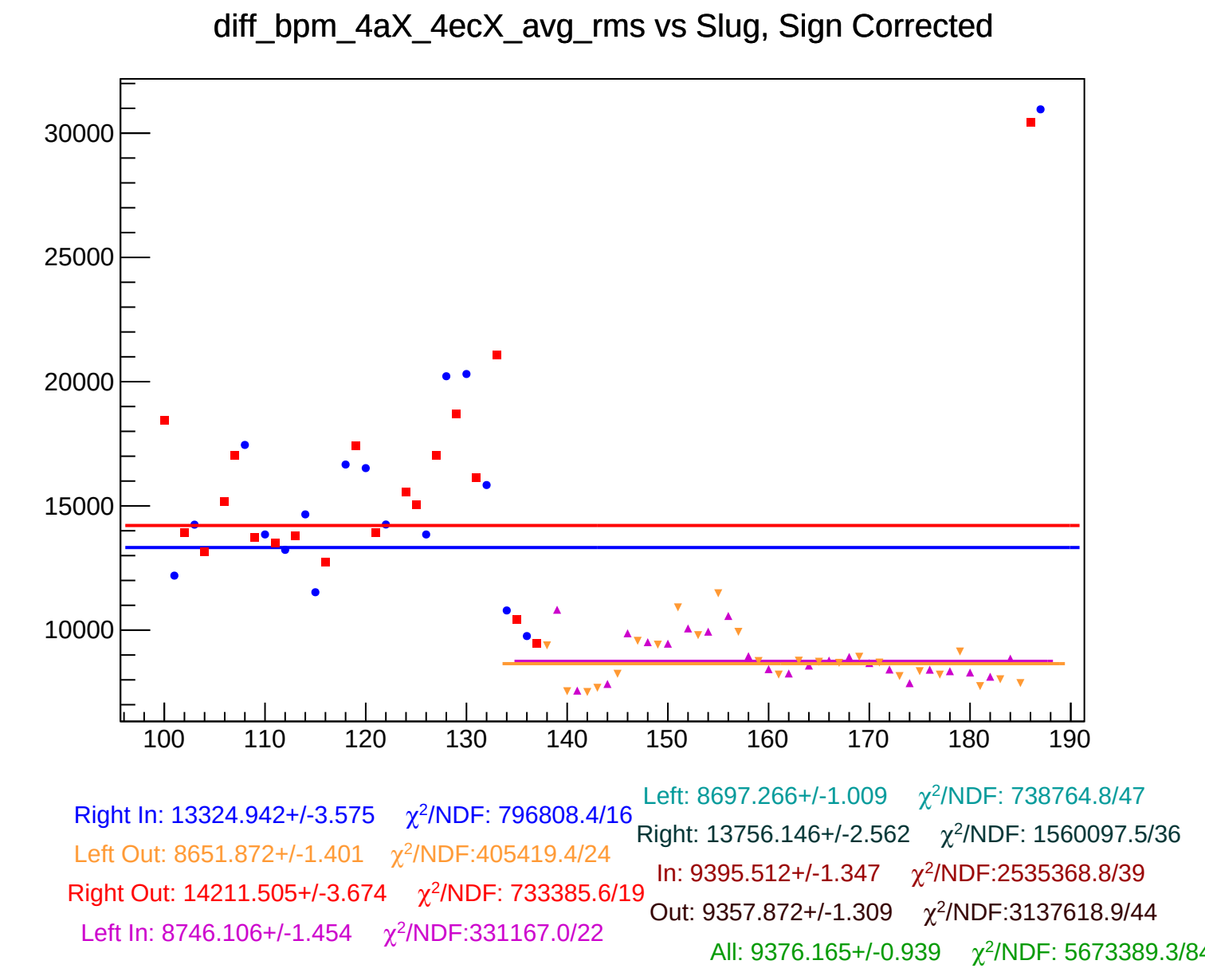
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

Right: 0.437+/-3.624 χ^2/NDF: 44.0/36

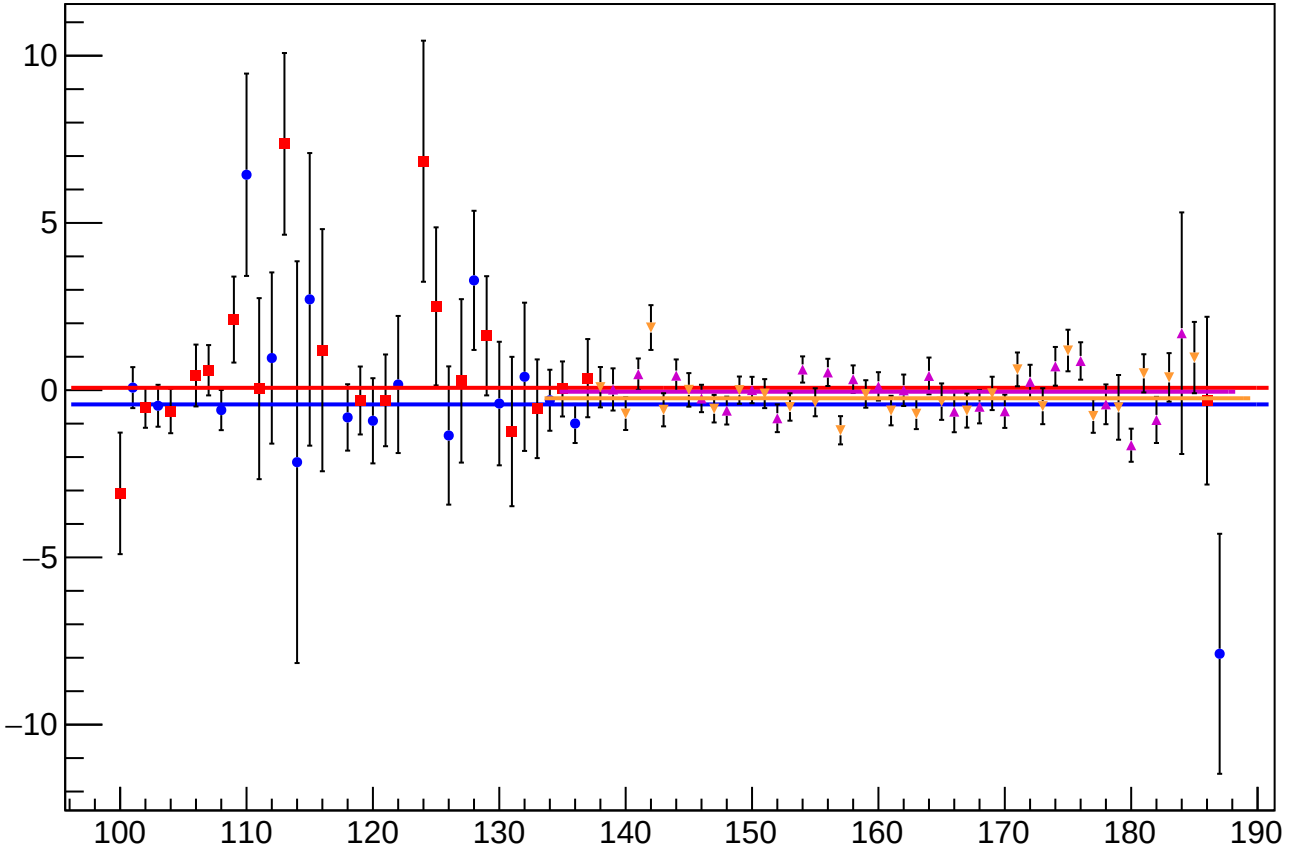
In: -0.500+/-1.904 χ^2/NDF:56.0/39

Out: -6.520+/-1.852 χ^2/NDF:87.5/44

All: -3.594+/-1.328 χ^2/NDF: 148.6/84


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 13324.942+/-3.575 χ²/NDF: 796808.4/16
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 14211.505+/-3.674 χ²/NDF: 733385.6/19
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 13756.146+/-2.562 χ²/NDF: 1560097.5/36
In: 9395.512+/-1.347 χ²/NDF:2535368.8/39
Out: 9357.872+/-1.309 χ²/NDF:3137618.9/44
All: 9376.165+/-0.939 χ²/NDF: 5673389.3/84

diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: -0.426+/-0.255 χ^2/NDF: 16.0/16

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.070+/-0.263 χ^2/NDF: 21.7/19

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

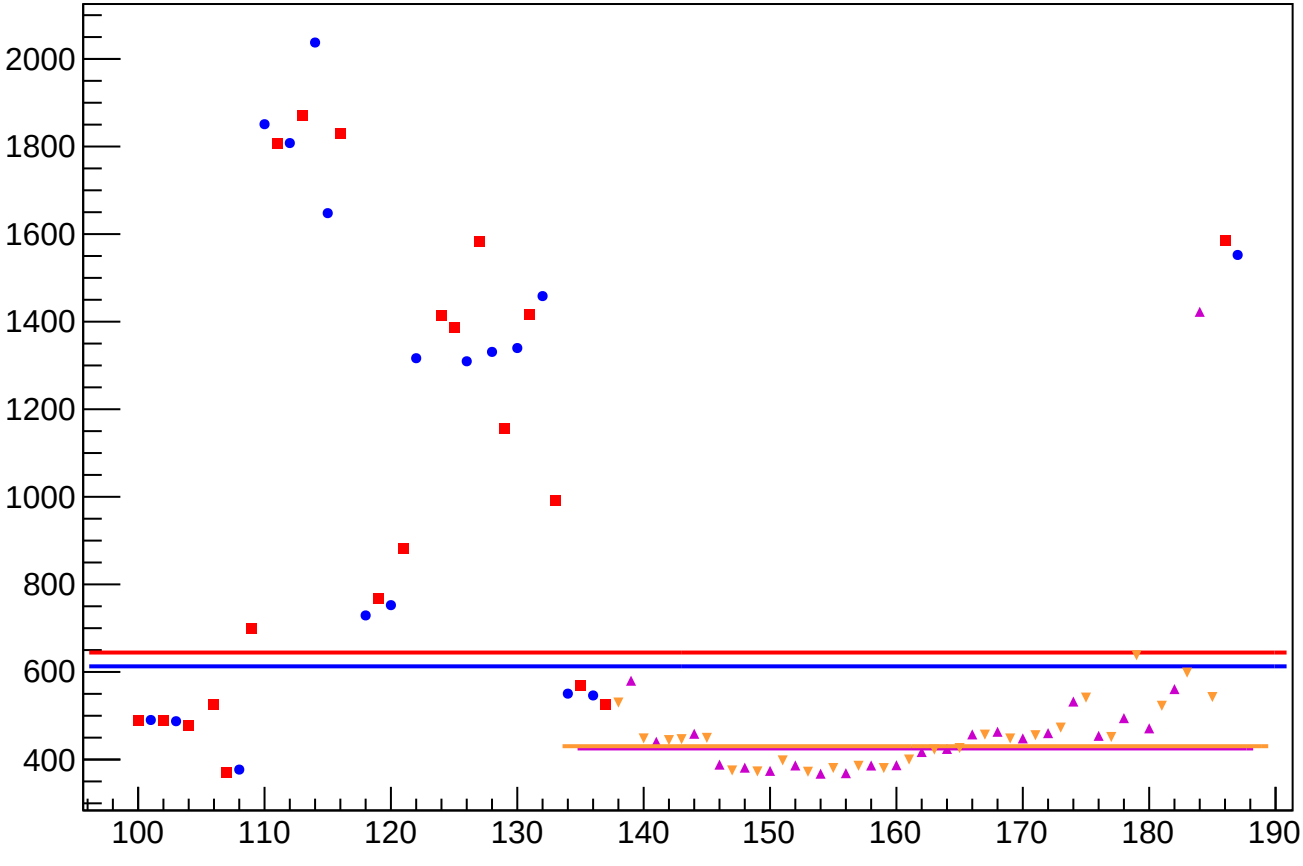
Right: -0.185+/-0.183 χ^2/NDF: 39.5/36

In: -0.099+/-0.094 χ^2/NDF:53.0/39

Out: -0.203+/-0.094 χ^2/NDF:57.2/44

All: -0.151+/-0.066 χ^2/NDF: 110.8/84

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 612.834+/-0.180 χ^2/NDF: 2990557.5/16

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 644.360+/-0.186 χ^2/NDF: 3073568.8/19

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

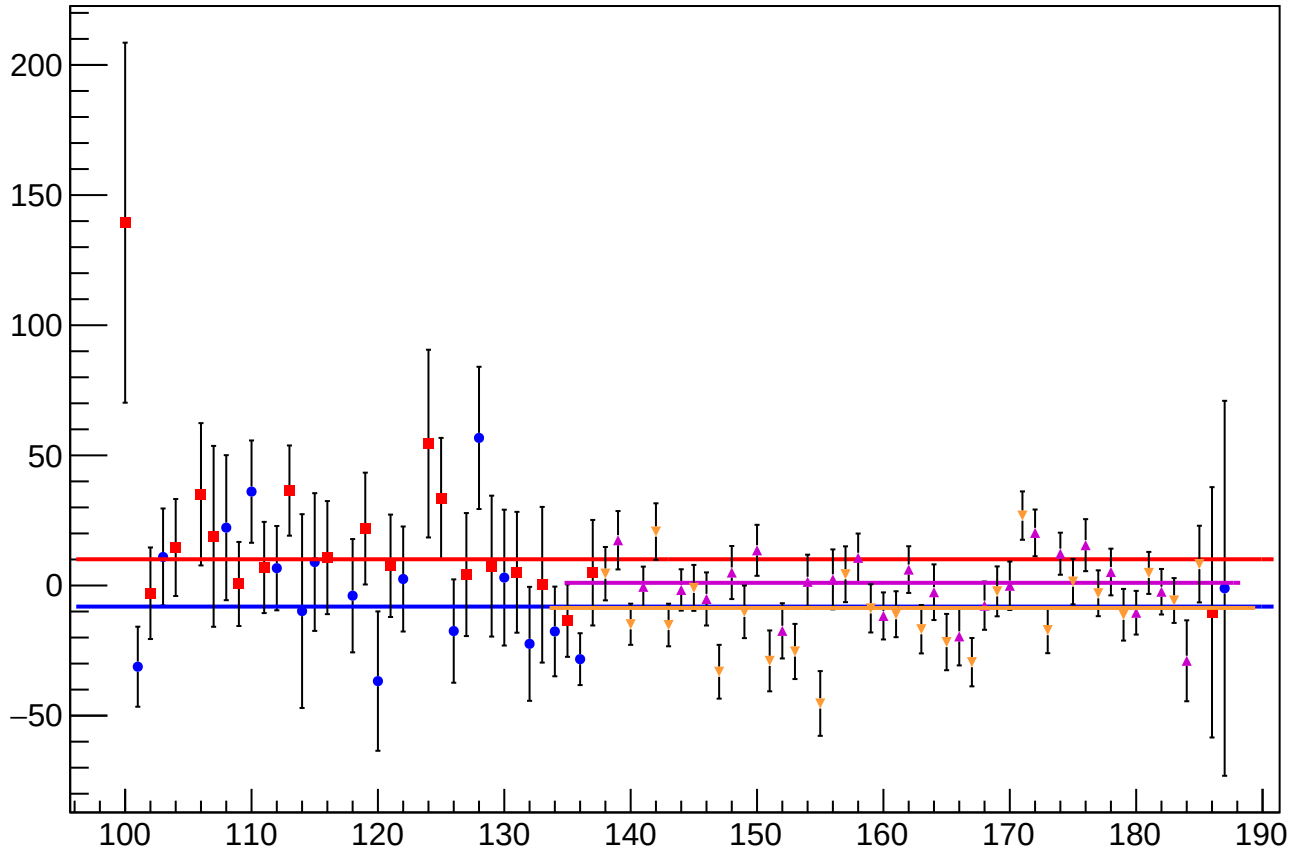
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 628.110+/-0.129 χ^2/NDF: 6078932.0/36

In: 450.986+/-0.067 χ^2/NDF:4640606.1/39

Out: 457.546+/-0.066 χ^2/NDF:4876683.8/44

All: 454.292+/-0.047 χ^2/NDF: 9522159.6/84



Right In: -8.101+/-4.769 χ^2/NDF: 23.1/16

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 10.078+/-4.849 χ^2/NDF: 13.9/19

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

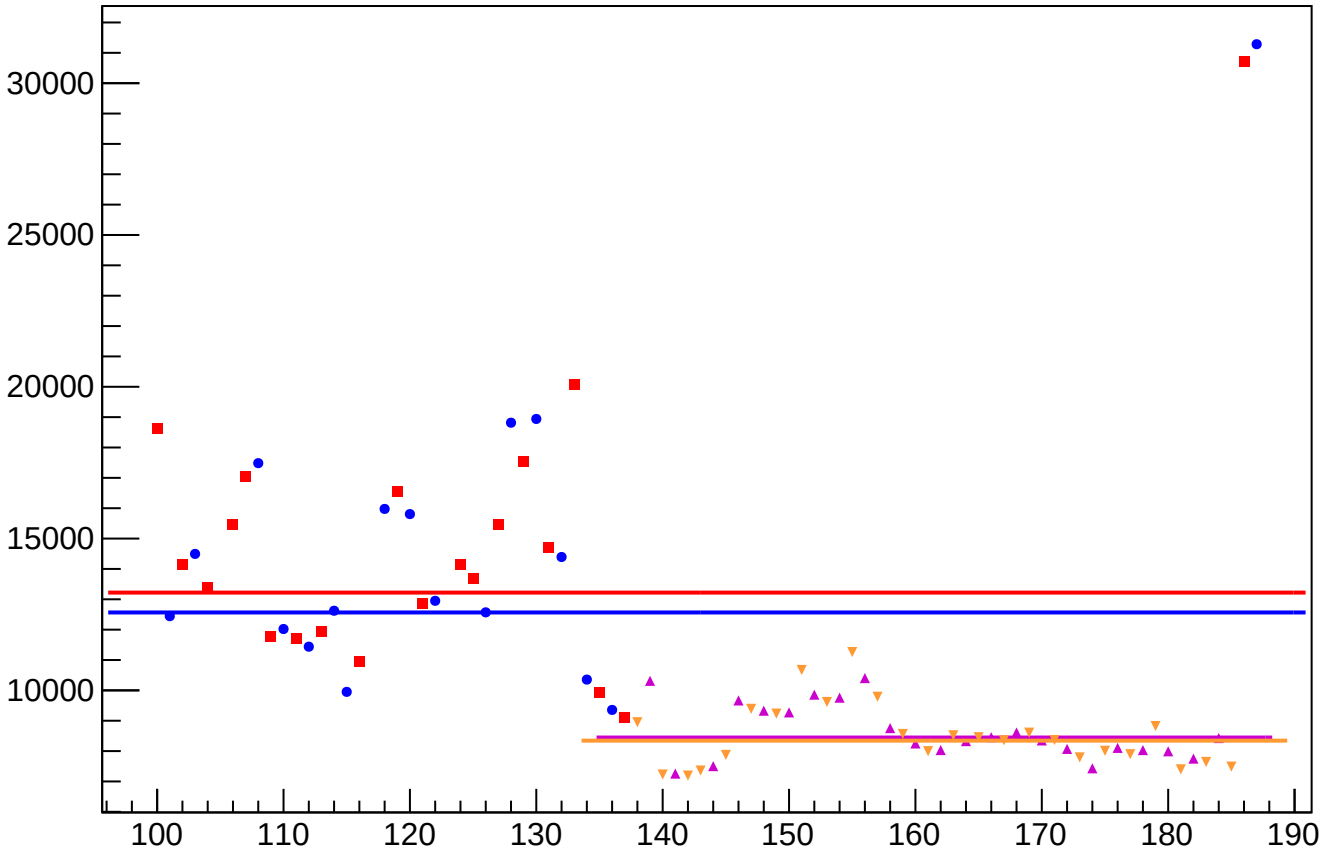
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

Right: 0.837+/-3.400 χ^2/NDF: 44.1/36

In: -0.323+/-1.834 χ^2/NDF:56.0/39

Out: -6.103+/-1.780 χ^2/NDF:88.4/44

All: -3.300+/-1.277 χ^2/NDF: 149.5/84



Right In: 12566.338+/-3.372 χ^2/NDF: 807181.6/16

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 13220.843+/-3.428 χ^2/NDF: 811723.9/19

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

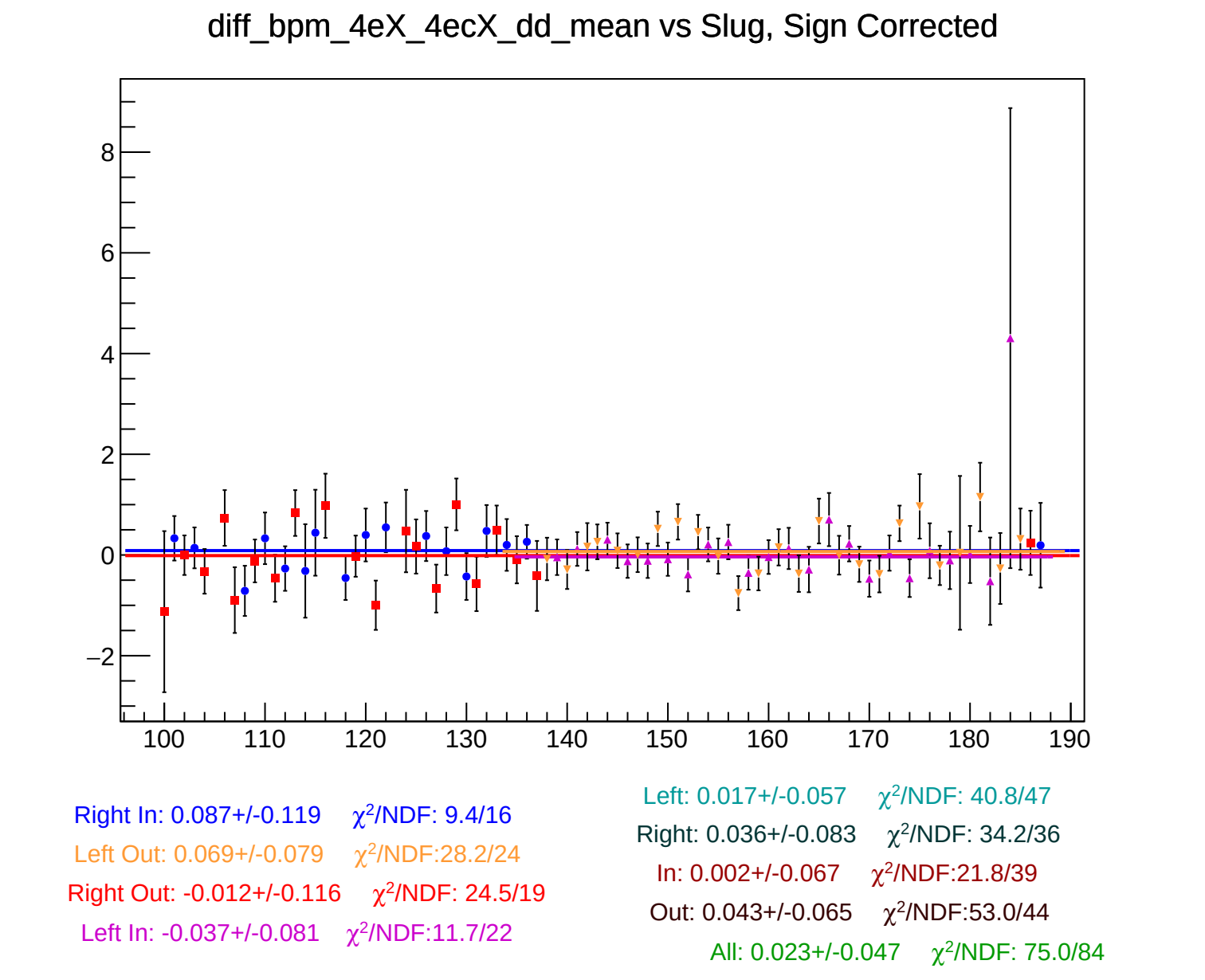
Left: 8393.566+/-0.974 χ^2/NDF: 853901.2/47

Right: 12888.149+/-2.404 χ^2/NDF: 1637430.6/36

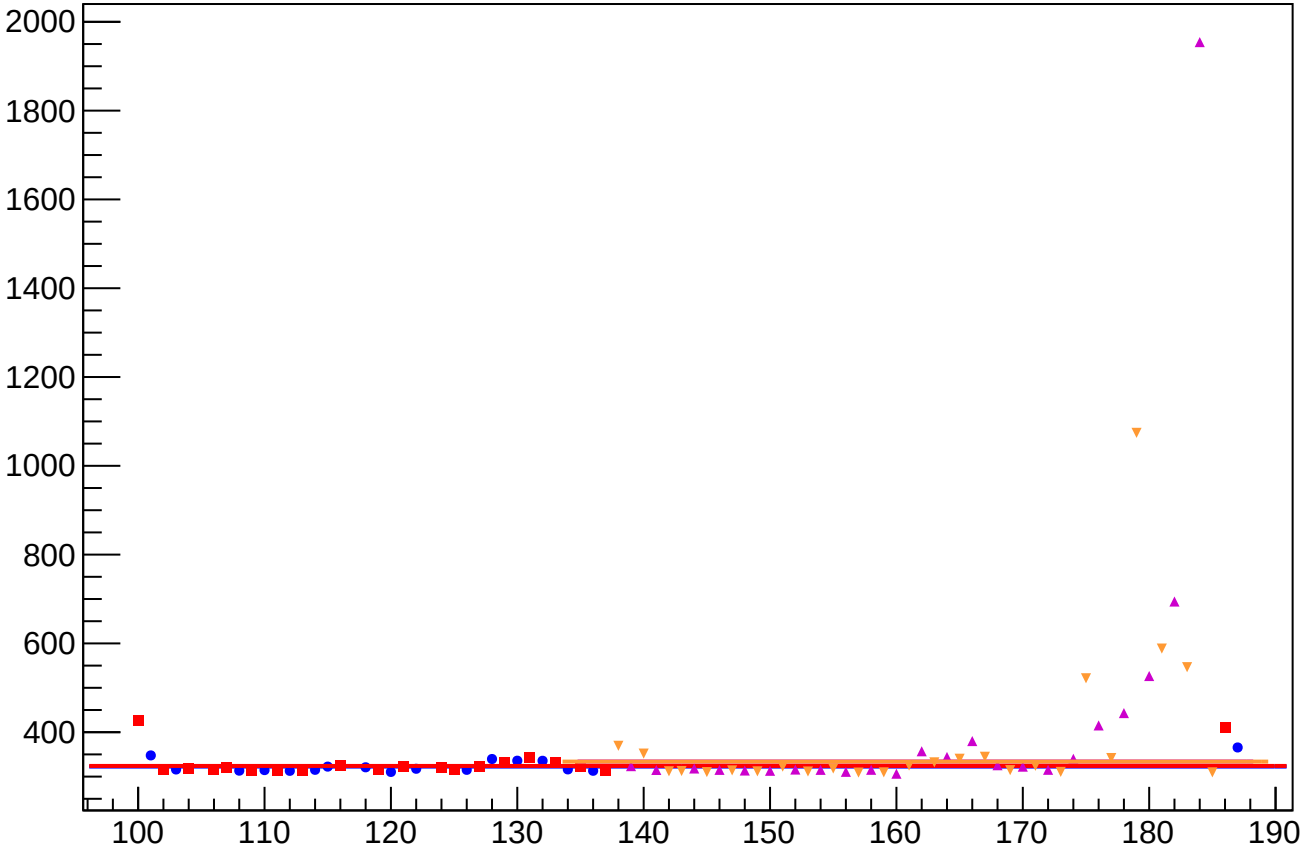
In: 9055.955+/-1.297 χ^2/NDF:2461010.5/39

Out: 9001.204+/-1.258 χ^2/NDF:3031581.8/44

All: 9027.757+/-0.903 χ^2/NDF: 5493510.4/84


diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.087+/-0.119 χ²/NDF: 9.4/16
Left Out: 0.069+/-0.079 χ²/NDF:28.2/24
Right Out: -0.012+/-0.116 χ²/NDF: 24.5/19
Left In: -0.037+/-0.081 χ²/NDF:11.7/22
Left: 0.017+/-0.057 χ²/NDF: 40.8/47
Right: 0.036+/-0.083 χ²/NDF: 34.2/36
In: 0.002+/-0.067 χ²/NDF:21.8/39
Out: 0.043+/-0.065 χ²/NDF:53.0/44
All: 0.023+/-0.047 χ²/NDF: 75.0/84

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 322.605+/-0.084 χ^2/NDF: 23551.2/16

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 324.009+/-0.082 χ^2/NDF: 54152.2/19

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

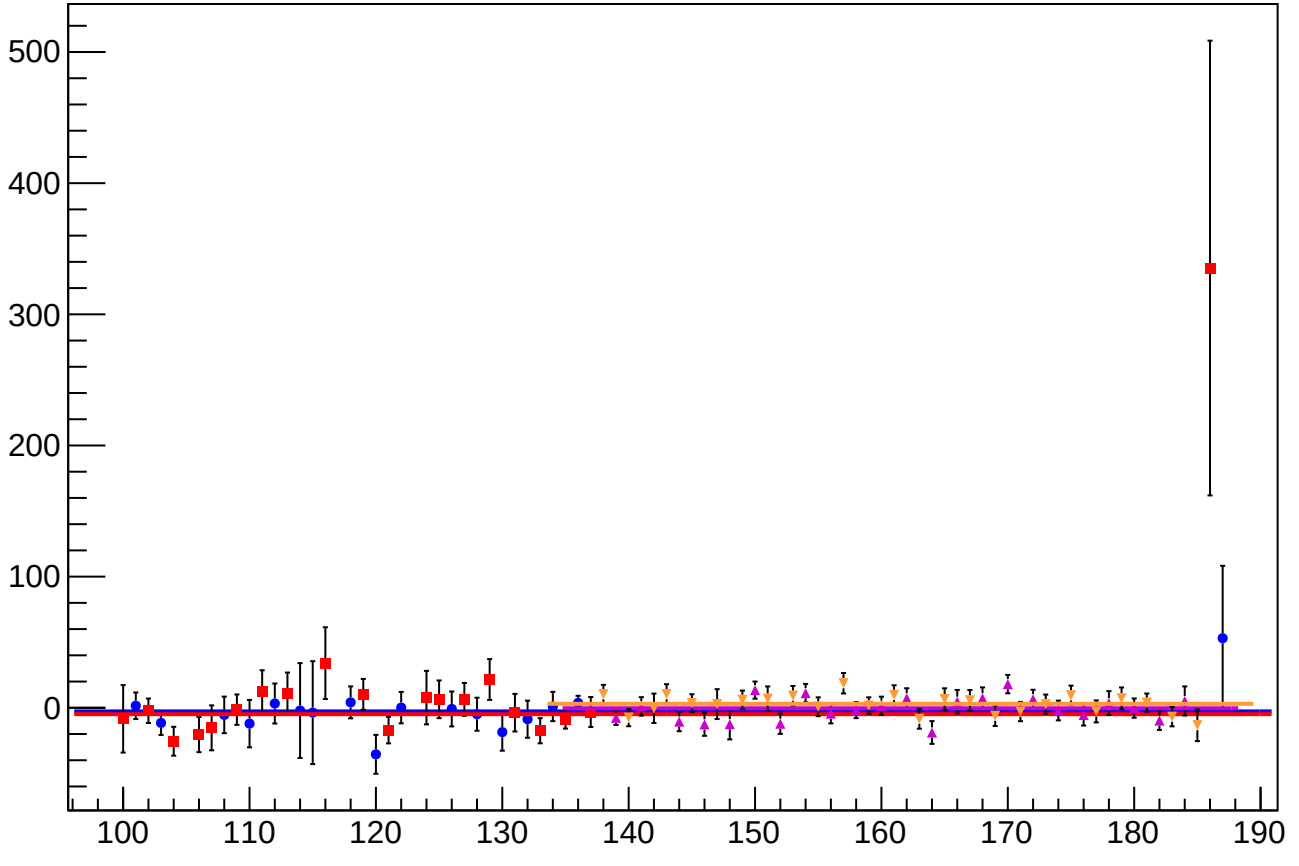
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 323.327+/-0.059 χ^2/NDF: 77846.8/36

In: 330.381+/-0.047 χ^2/NDF:1087038.1/39

Out: 330.667+/-0.046 χ^2/NDF:1281157.4/44

All: 330.528+/-0.033 χ^2/NDF: 2368214.2/84



Right In: -2.767+/-2.906 χ^2/NDF: 10.9/16

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -4.875+/-2.824 χ^2/NDF: 23.3/19

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

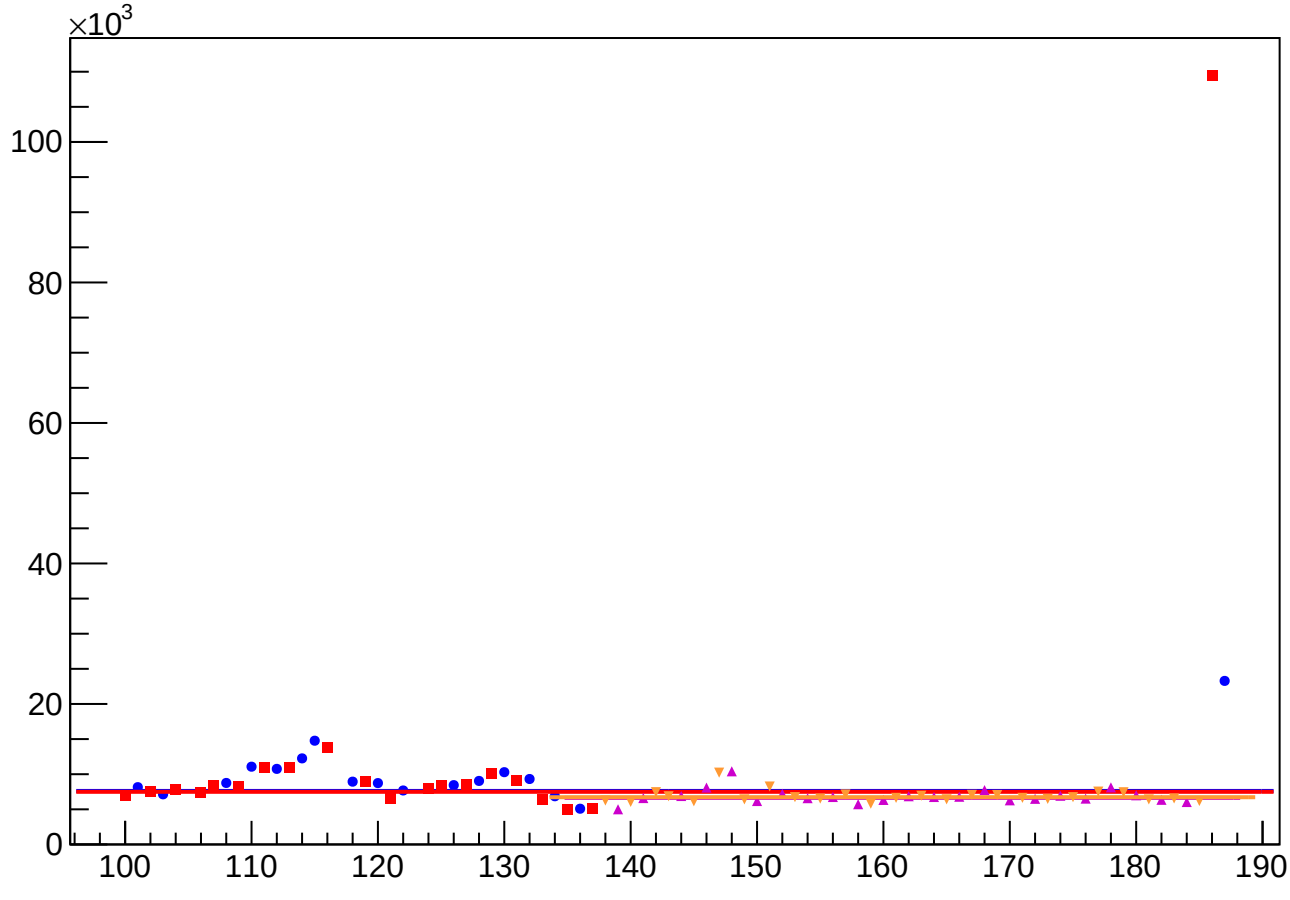
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -3.851+/-2.025 χ^2/NDF: 34.4/36

In: -0.896+/-1.380 χ^2/NDF:45.2/39

Out: 1.209+/-1.353 χ^2/NDF:49.6/44

All: 0.177+/-0.966 χ^2/NDF: 96.0/84



Right In: 7616.716+/-2.055 χ^2/NDF: 1059158.2/16

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 7494.528+/-1.997 χ^2/NDF: 1520163.4/19

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

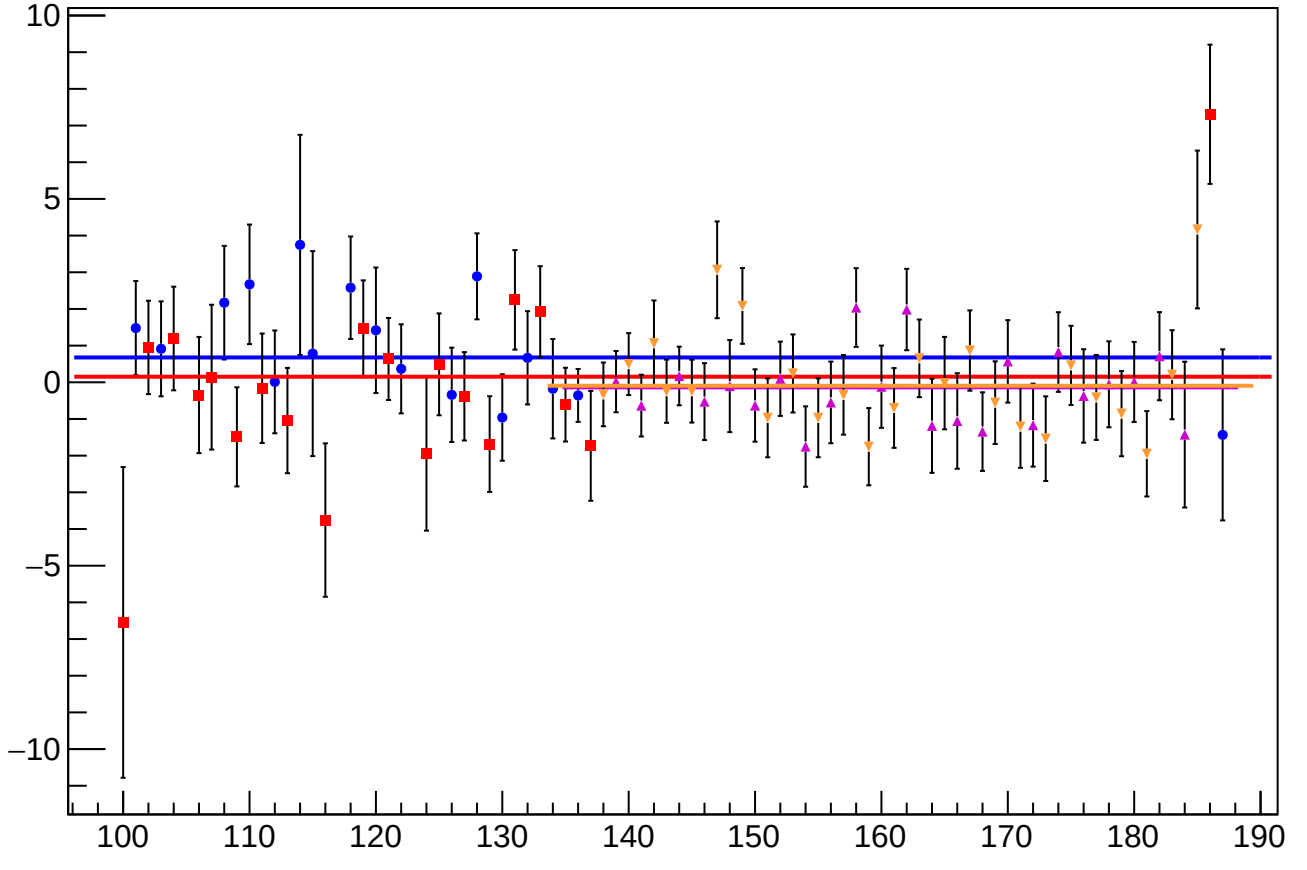
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 7553.859+/-1.432 χ^2/NDF: 2581140.2/36

In: 6854.645+/-0.976 χ^2/NDF:1866208.9/39

Out: 6900.162+/-0.957 χ^2/NDF:2038518.3/44

All: 6877.854+/-0.683 χ^2/NDF: 3905836.4/84



Right In: 0.678+/-0.323 χ^2/NDF: 15.6/16

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.152+/-0.319 χ^2/NDF: 34.4/19

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

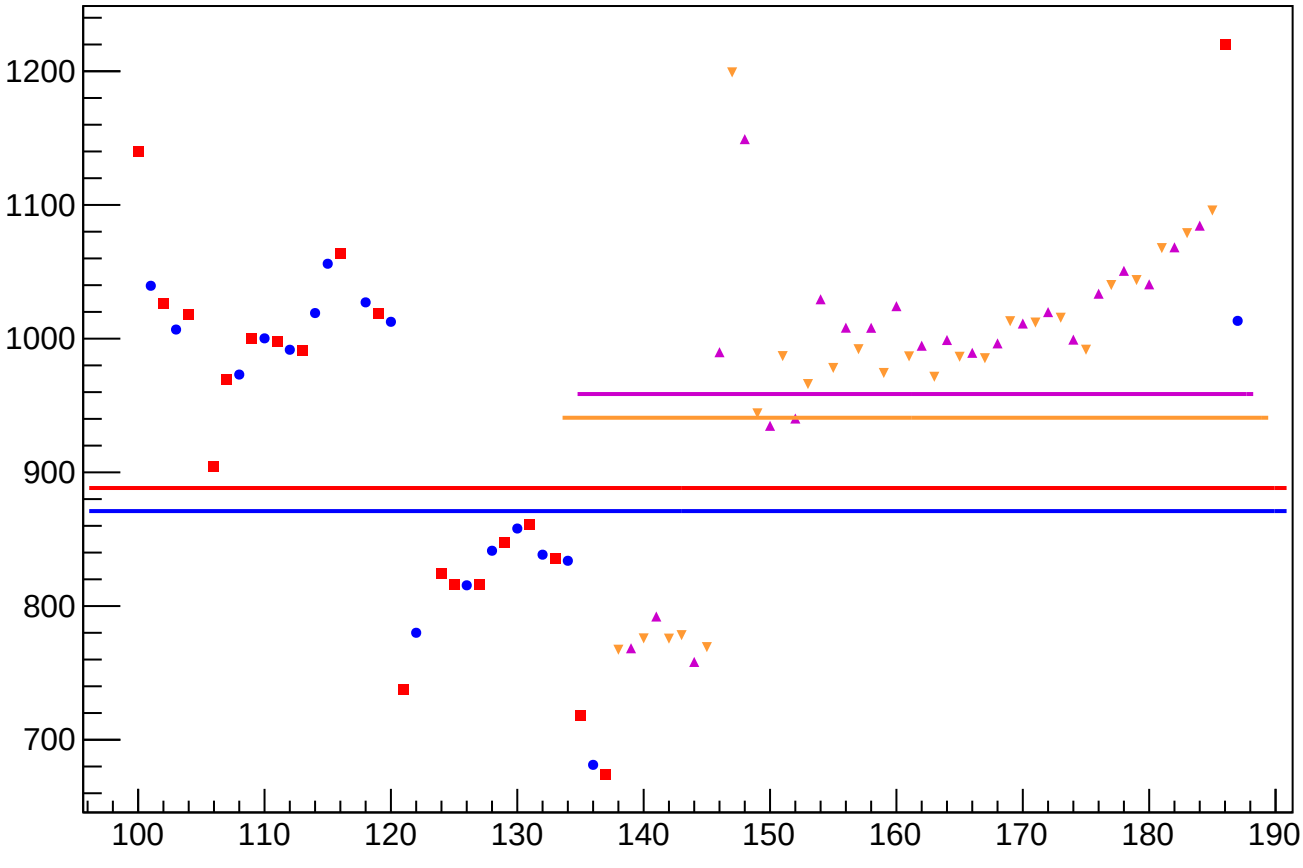
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.412+/-0.227 χ^2/NDF: 51.4/36

In: 0.129+/-0.185 χ^2/NDF:36.4/39

Out: -0.017+/-0.178 χ^2/NDF:62.2/44

All: 0.053+/-0.128 χ^2/NDF: 98.9/84



Right In: 871.033+/-0.228 χ^2/NDF: 310003.2/16

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 888.289+/-0.225 χ^2/NDF: 335420.3/19

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

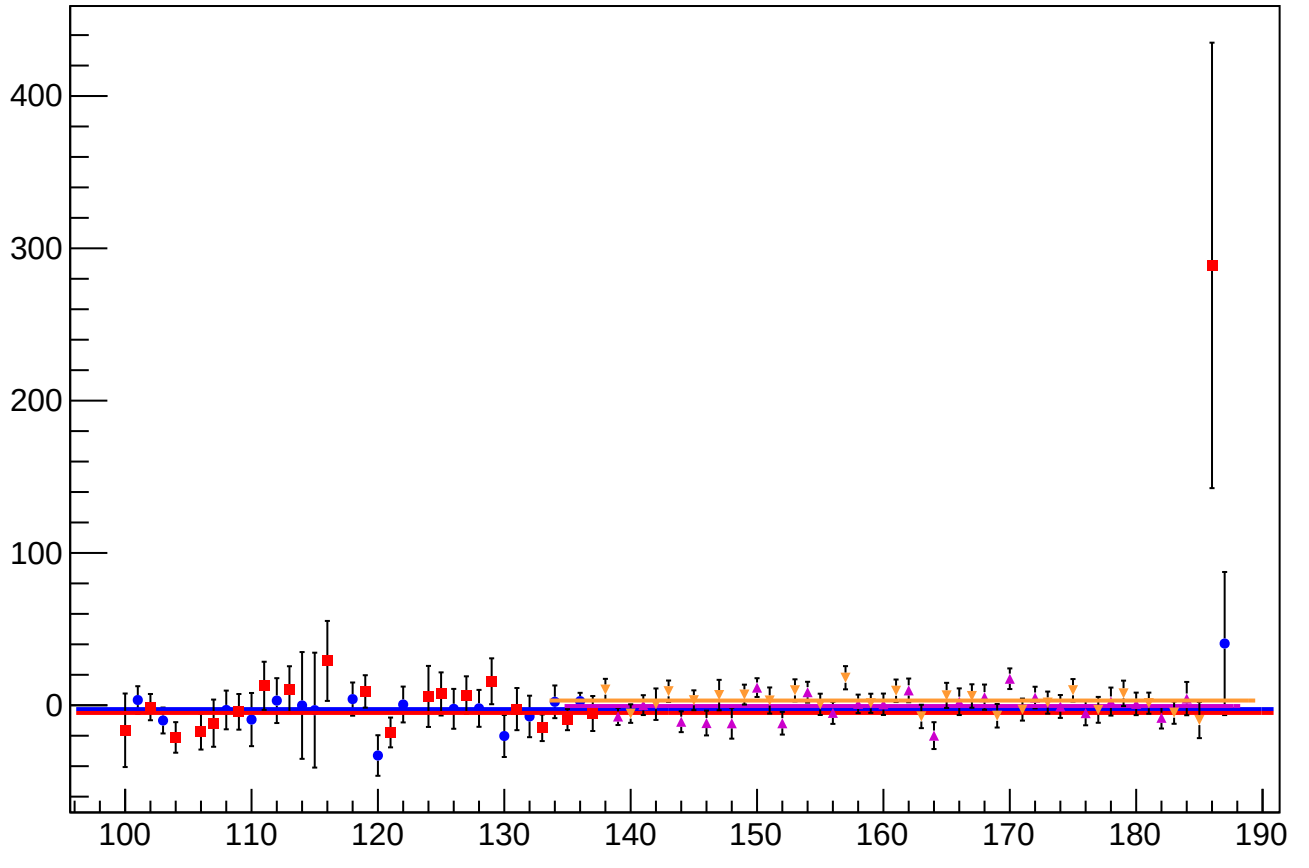
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 879.769+/-0.160 χ^2/NDF: 648317.5/36

In: 929.892+/-0.131 χ^2/NDF:865741.0/39

Out: 924.372+/-0.126 χ^2/NDF:941520.6/44

All: 927.036+/-0.091 χ^2/NDF: 1808185.2/84



Right In: -2.532+/-2.783 χ^2/NDF: 10.9/16

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -5.037+/-2.691 χ^2/NDF: 21.3/19

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

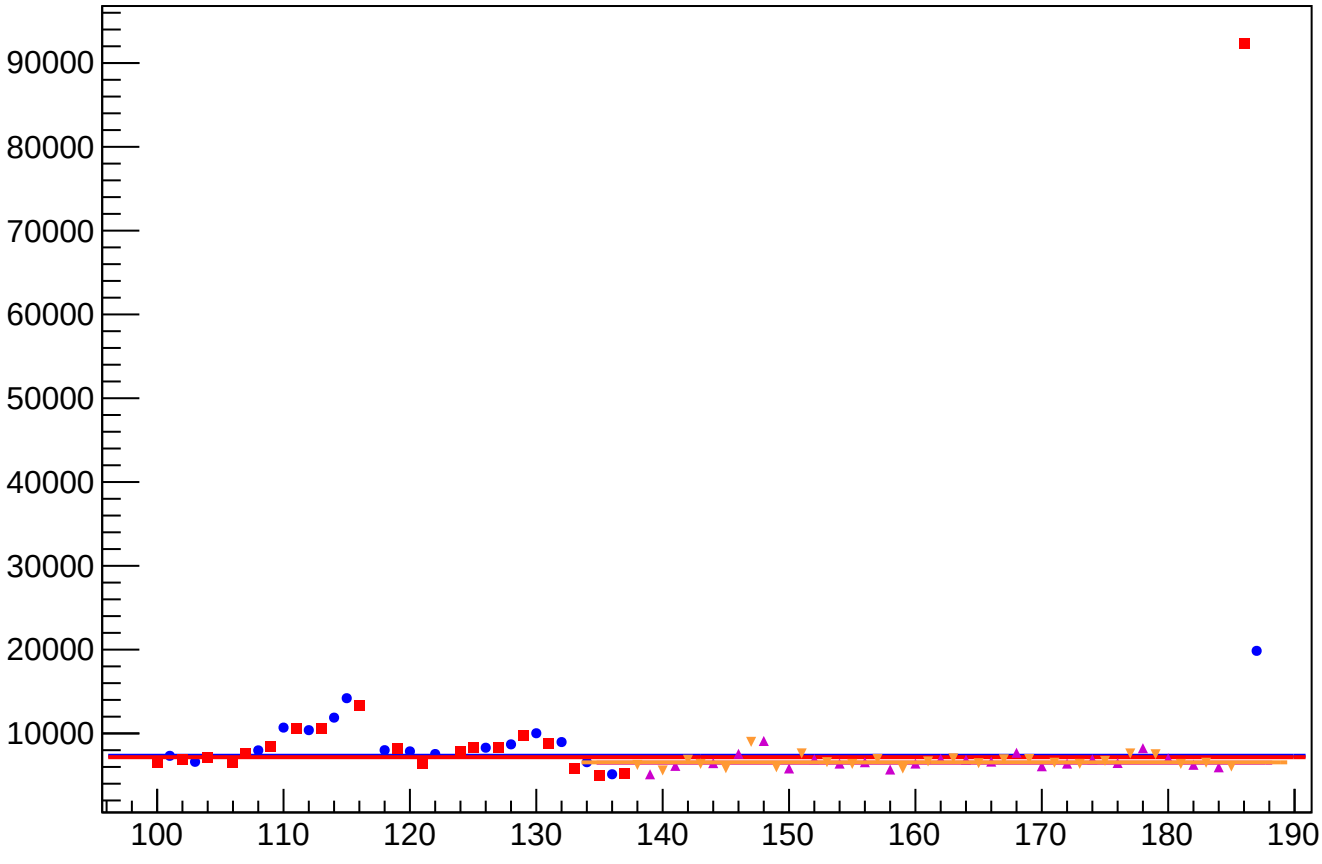
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -3.826+/-1.935 χ^2/NDF: 32.6/36

In: -0.988+/-1.344 χ^2/NDF:43.3/39

Out: 1.171+/-1.310 χ^2/NDF:46.9/44

All: 0.118+/-0.938 χ^2/NDF: 91.5/84



Right In: 7334.351+/-1.968 χ^2/NDF: 913076.2/16

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 7163.270+/-1.903 χ^2/NDF: 1471337.7/19

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

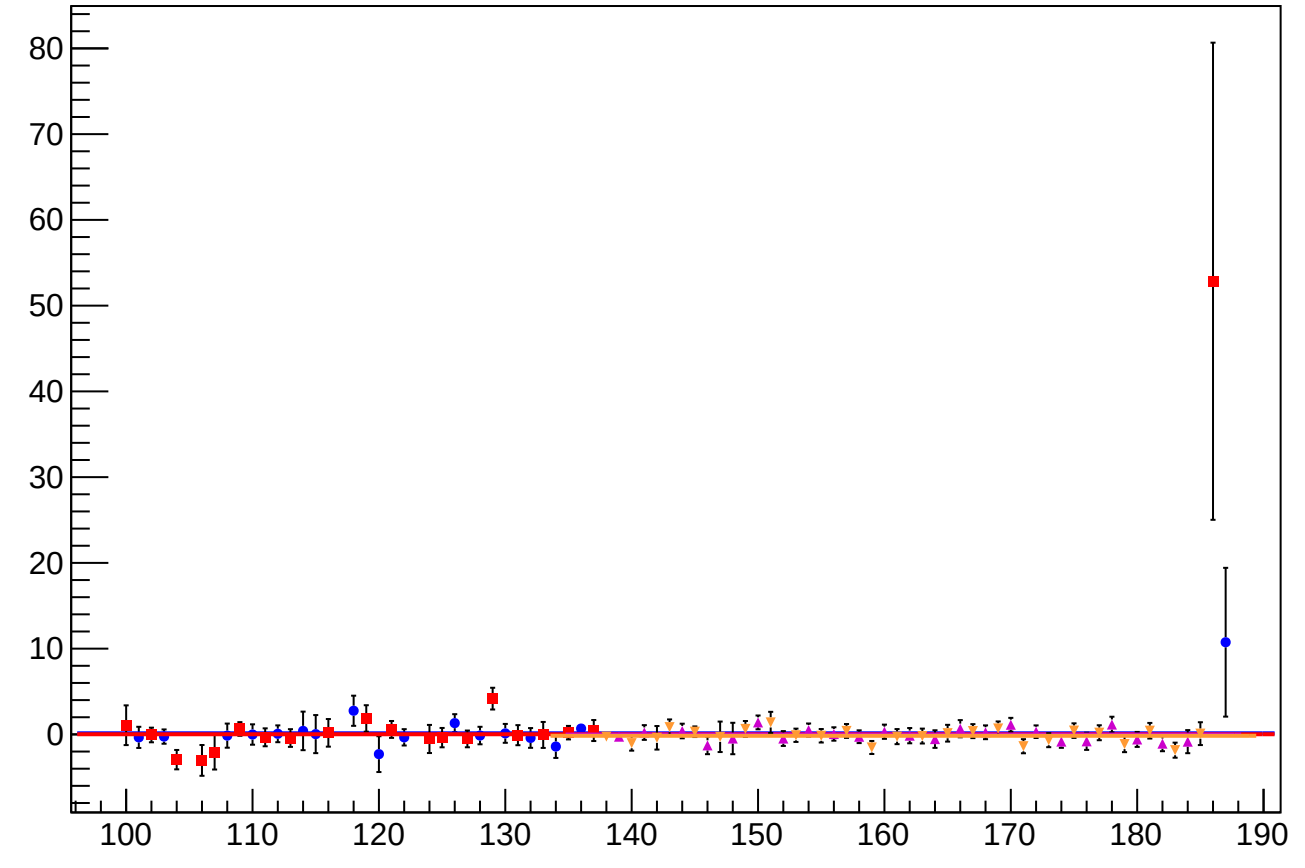
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 7245.941+/-1.368 χ^2/NDF: 2388318.7/36

In: 6698.437+/-0.950 χ^2/NDF:1564723.8/39

Out: 6694.532+/-0.927 χ^2/NDF:1916918.9/44

All: 6696.435+/-0.663 χ^2/NDF: 3481651.3/84



Right In: 0.128+/-0.273 χ^2/NDF: 9.6/16

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.017+/-0.263 χ^2/NDF: 28.8/19

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

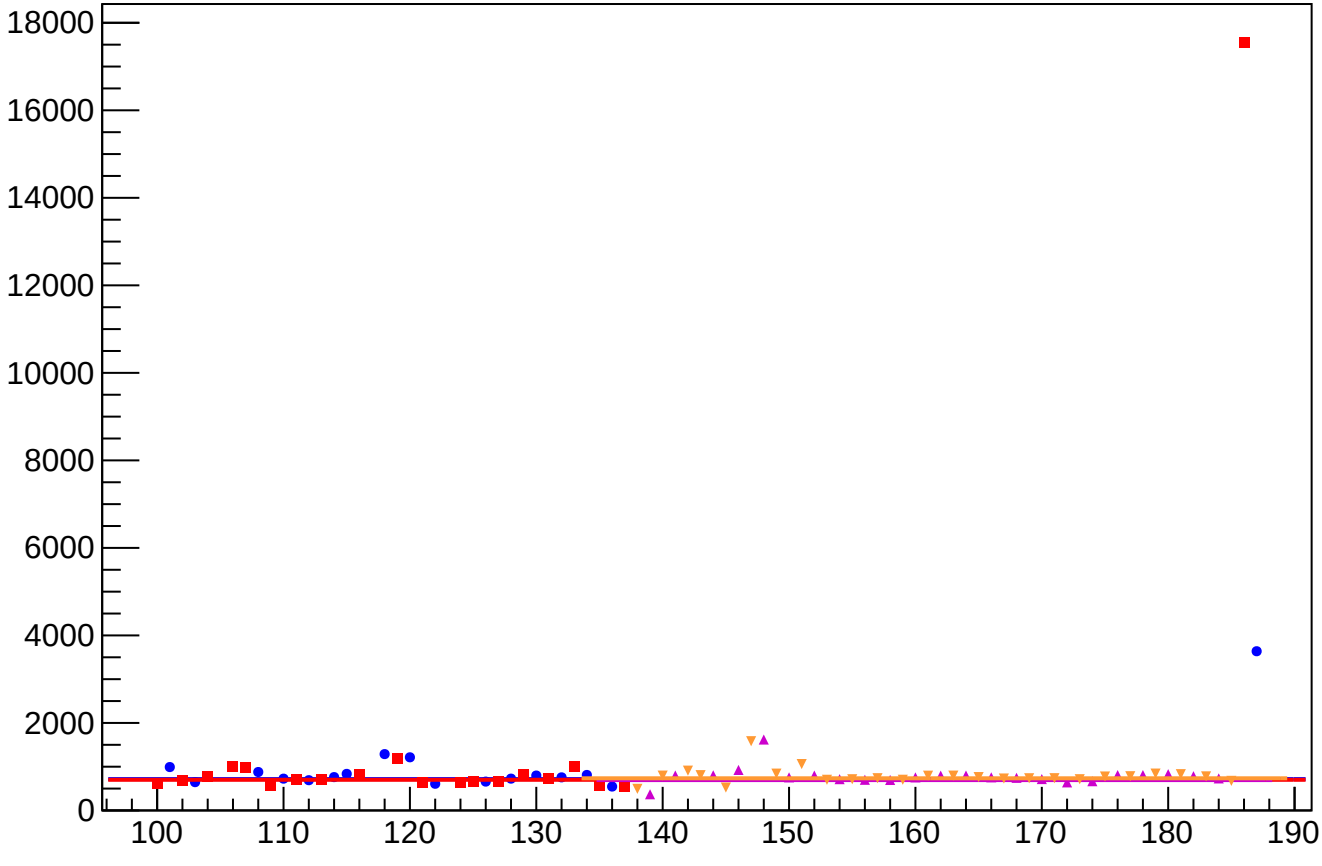
Right: 0.070+/-0.189 χ^2/NDF: 38.5/36

In: 0.023+/-0.144 χ^2/NDF:25.1/39

Out: -0.109+/-0.144 χ^2/NDF:48.1/44

All: -0.043+/-0.102 χ^2/NDF: 73.5/84

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 716.524+/-0.193 χ^2/NDF: 926400.7/16

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 701.010+/-0.186 χ^2/NDF: 1309305.0/19

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

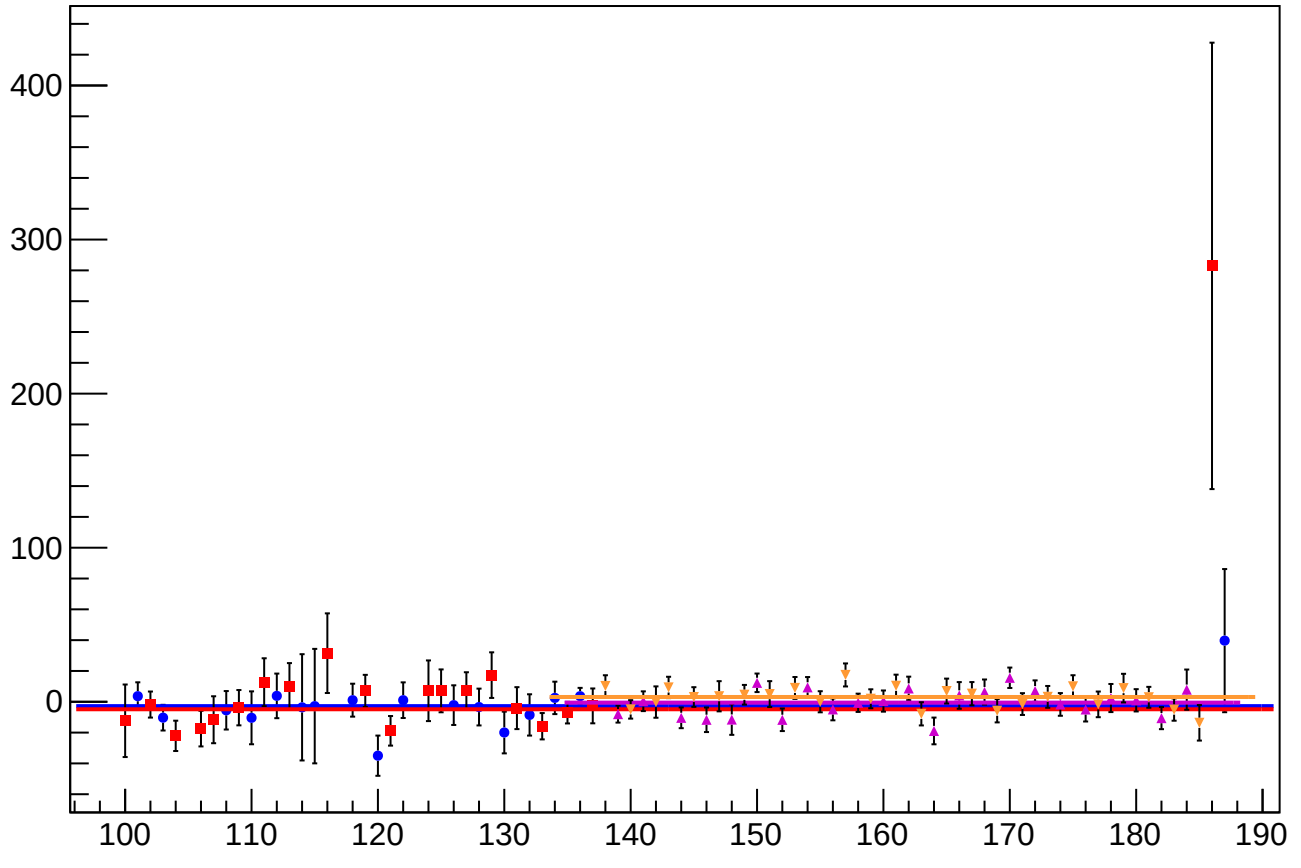
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 708.483+/-0.134 χ^2/NDF: 2239052.7/36

In: 700.352+/-0.102 χ^2/NDF:3161203.0/39

Out: 724.807+/-0.102 χ^2/NDF:2672395.8/44

All: 712.553+/-0.072 χ^2/NDF: 5862481.8/84



Right In: -2.825+/-2.741 χ^2/NDF: 12.4/16

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -4.859+/-2.653 χ^2/NDF: 22.4/19

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

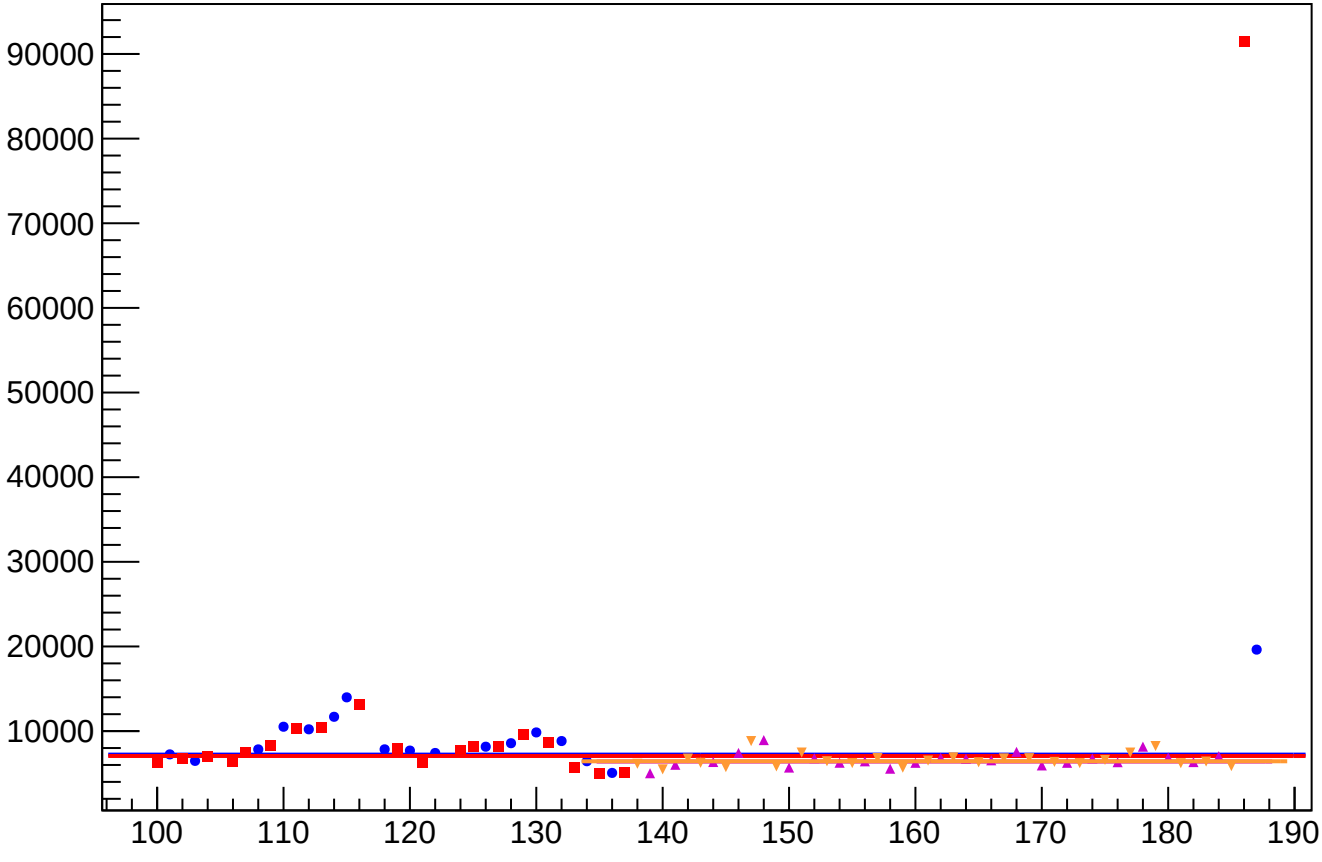
Right: -3.875+/-1.906 χ^2/NDF: 35.1/36

In: -1.081+/-1.324 χ^2/NDF:46.5/39

Out: 1.227+/-1.290 χ^2/NDF:48.0/44

All: 0.103+/-0.924 χ^2/NDF: 96.1/84

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7222.270+/-1.938 χ^2/NDF: 905049.0/16

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 7061.846+/-1.876 χ^2/NDF: 1445489.0/19

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

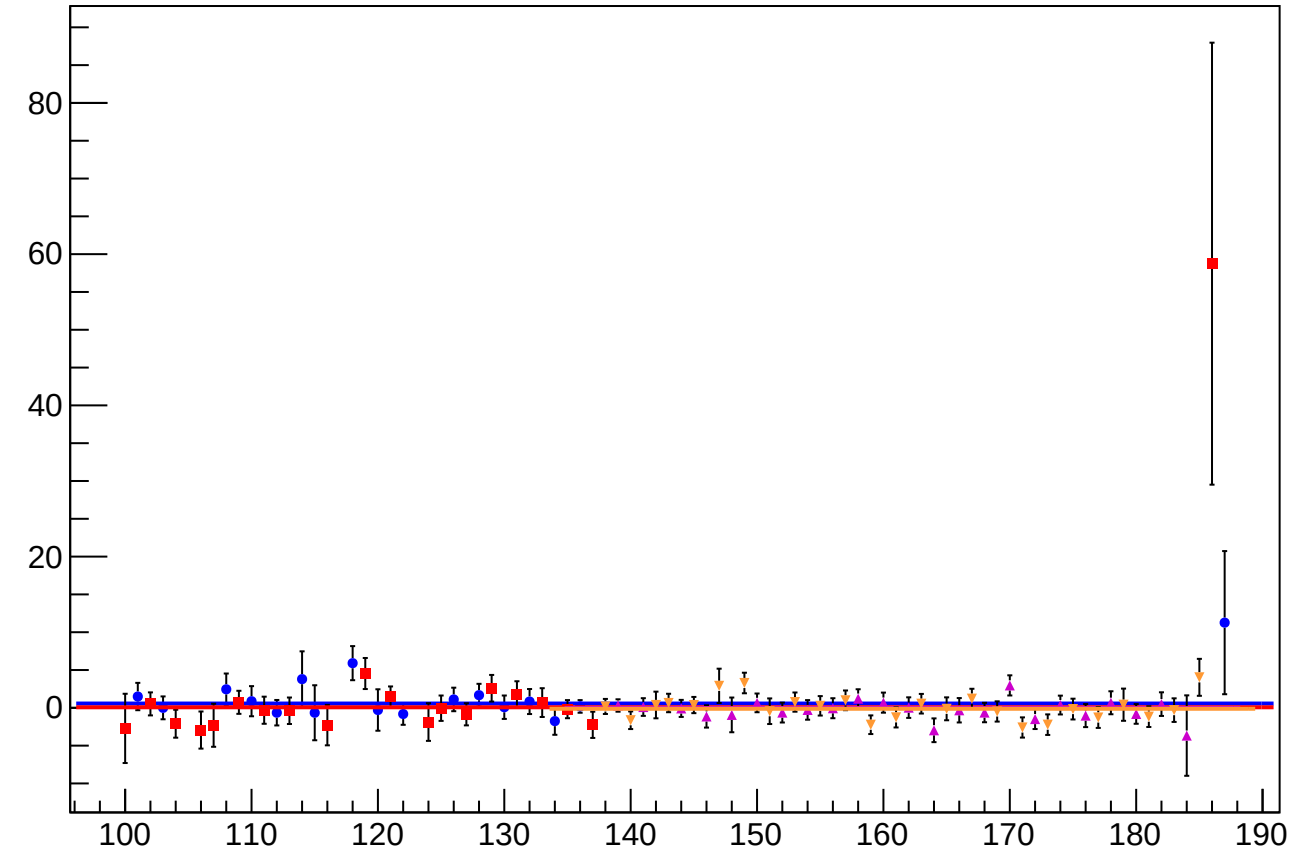
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 7139.426+/-1.348 χ^2/NDF: 2354075.1/36

In: 6595.898+/-0.936 χ^2/NDF:1566336.8/39

Out: 6583.498+/-0.912 χ^2/NDF:1947978.1/44

All: 6589.535+/-0.653 χ^2/NDF: 3514404.9/84



Right In: 0.567+/-0.410 χ^2/NDF: 13.2/16

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.071+/-0.409 χ^2/NDF: 20.9/19

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

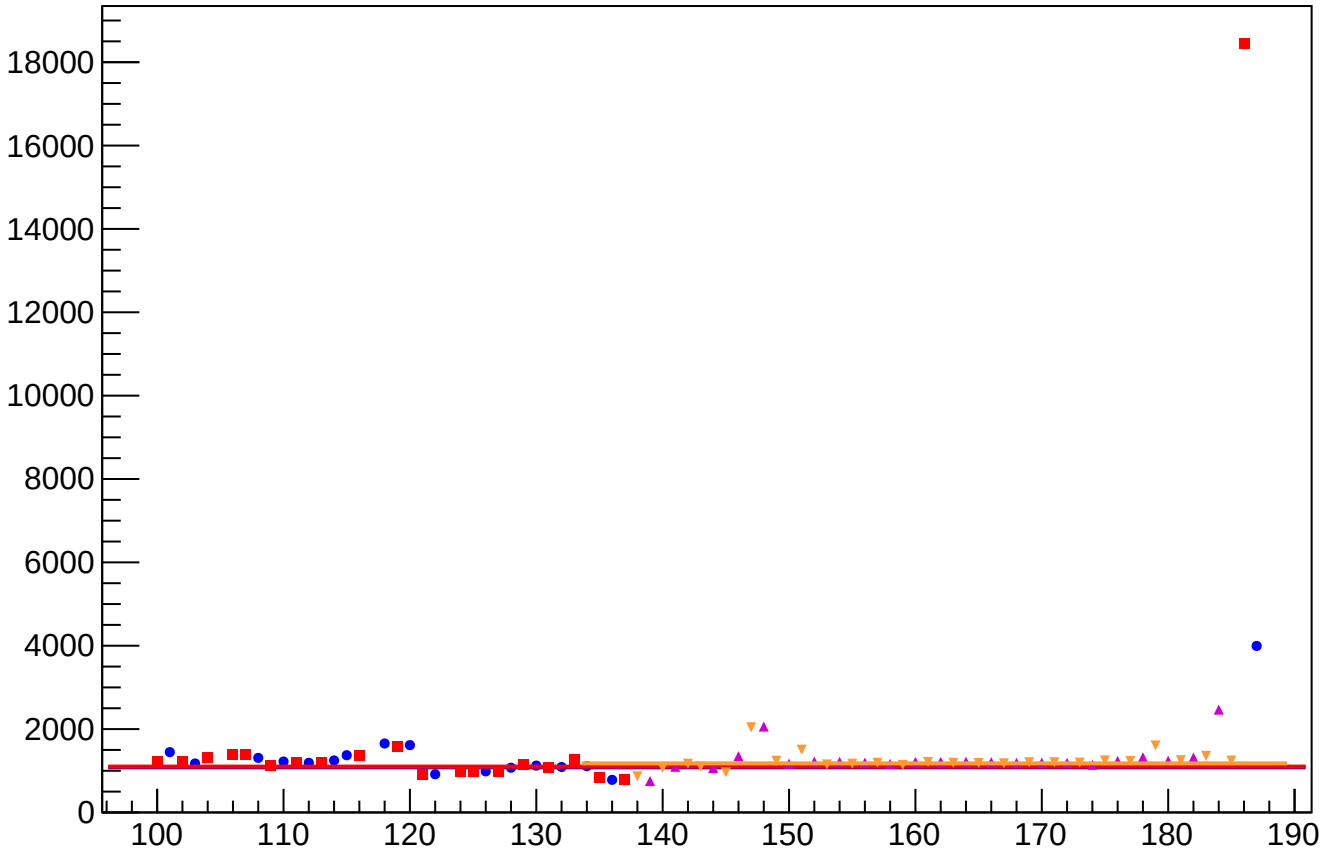
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.318+/-0.290 χ^2/NDF: 34.8/36

In: 0.159+/-0.231 χ^2/NDF:29.1/39

Out: -0.063+/-0.227 χ^2/NDF:48.0/44

All: 0.047+/-0.162 χ^2/NDF: 77.6/84



Right In: 1082.793+/-0.290 χ^2/NDF: 836209.2/16

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1100.501+/-0.289 χ^2/NDF: 1188518.3/19

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

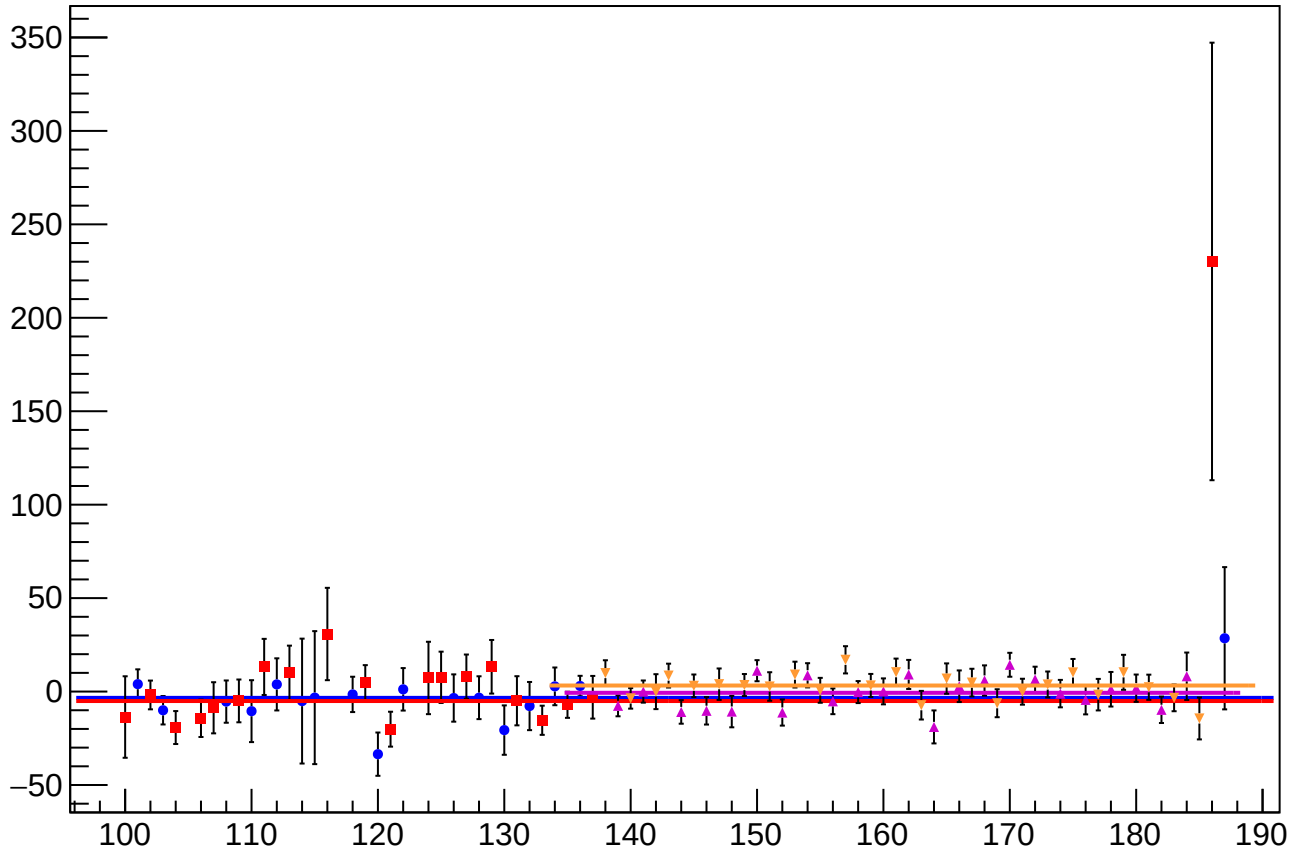
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1091.683+/-0.205 χ^2/NDF: 2026596.0/36

In: 1138.275+/-0.163 χ^2/NDF:1941778.8/39

Out: 1153.874+/-0.161 χ^2/NDF:2038754.2/44

All: 1146.186+/-0.114 χ^2/NDF: 3985178.3/84



Right In: -3.377+/-2.602 χ^2/NDF: 13.3/16

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -5.068+/-2.507 χ^2/NDF: 22.2/19

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

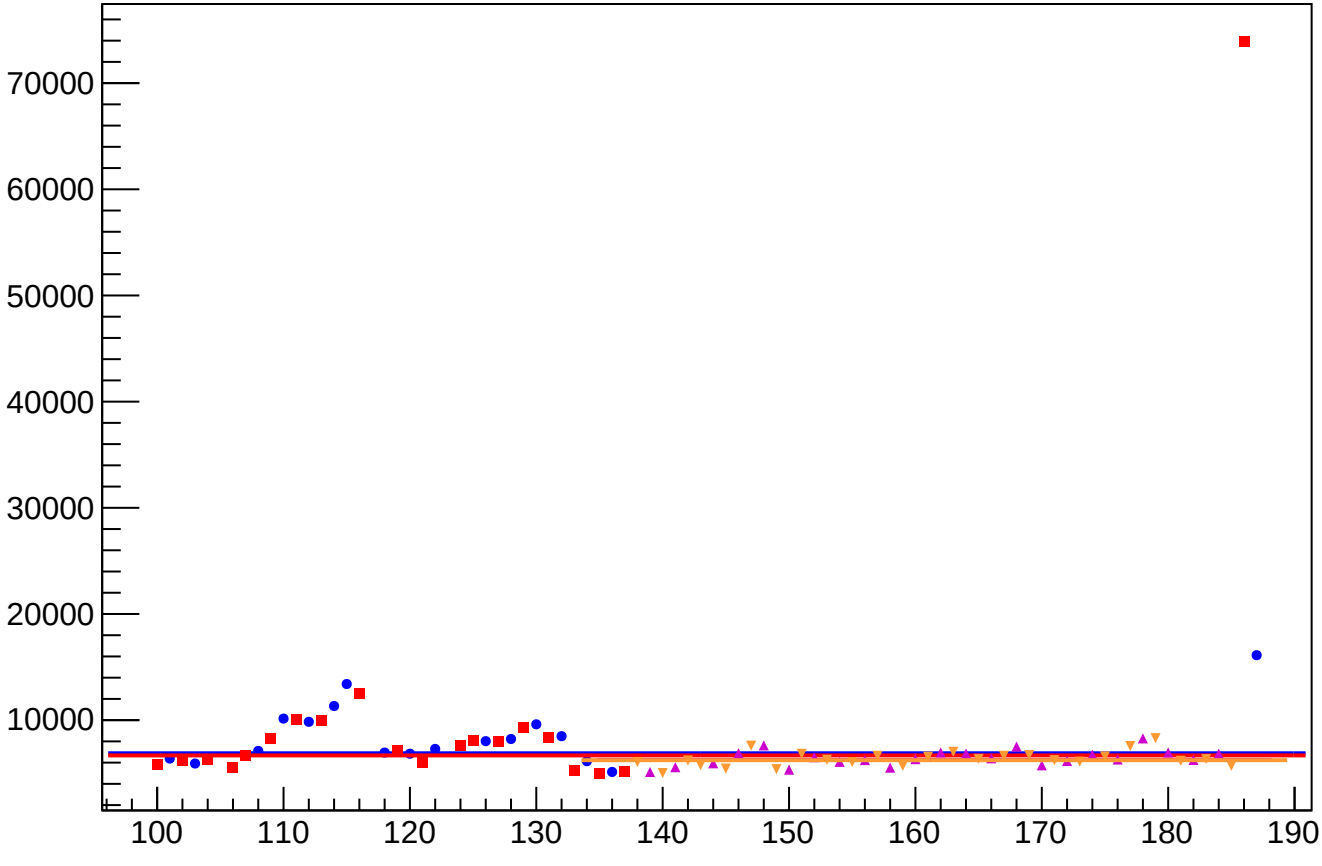
Right: -4.254+/-1.806 χ^2/NDF: 35.8/36

In: -1.325+/-1.282 χ^2/NDF:46.5/39

Out: 1.198+/-1.242 χ^2/NDF:48.4/44

All: -0.023+/-0.892 χ^2/NDF: 96.9/84

diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 6877.750+/-1.840 χ^2/NDF: 811222.7/16

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 6678.857+/-1.773 χ^2/NDF: 1445198.6/19

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

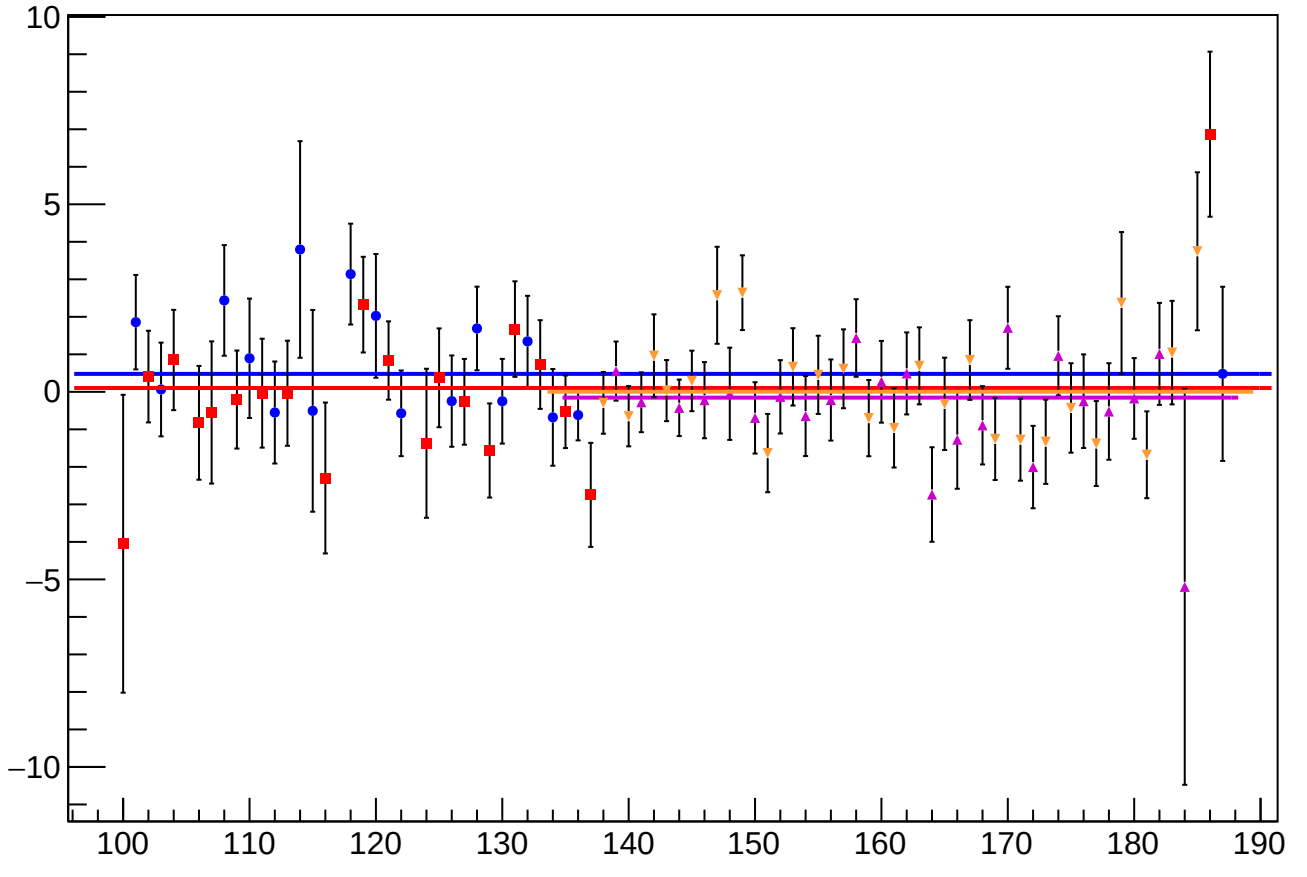
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 6774.620+/-1.277 χ^2/NDF: 2262480.3/36

In: 6400.033+/-0.907 χ^2/NDF:1385241.4/39

Out: 6339.100+/-0.878 χ^2/NDF:1964709.6/44

All: 6368.592+/-0.631 χ^2/NDF: 3352281.1/84



Right In: 0.479+/-0.308 χ^2/NDF: 16.7/16

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.103+/-0.306 χ^2/NDF: 25.4/19

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

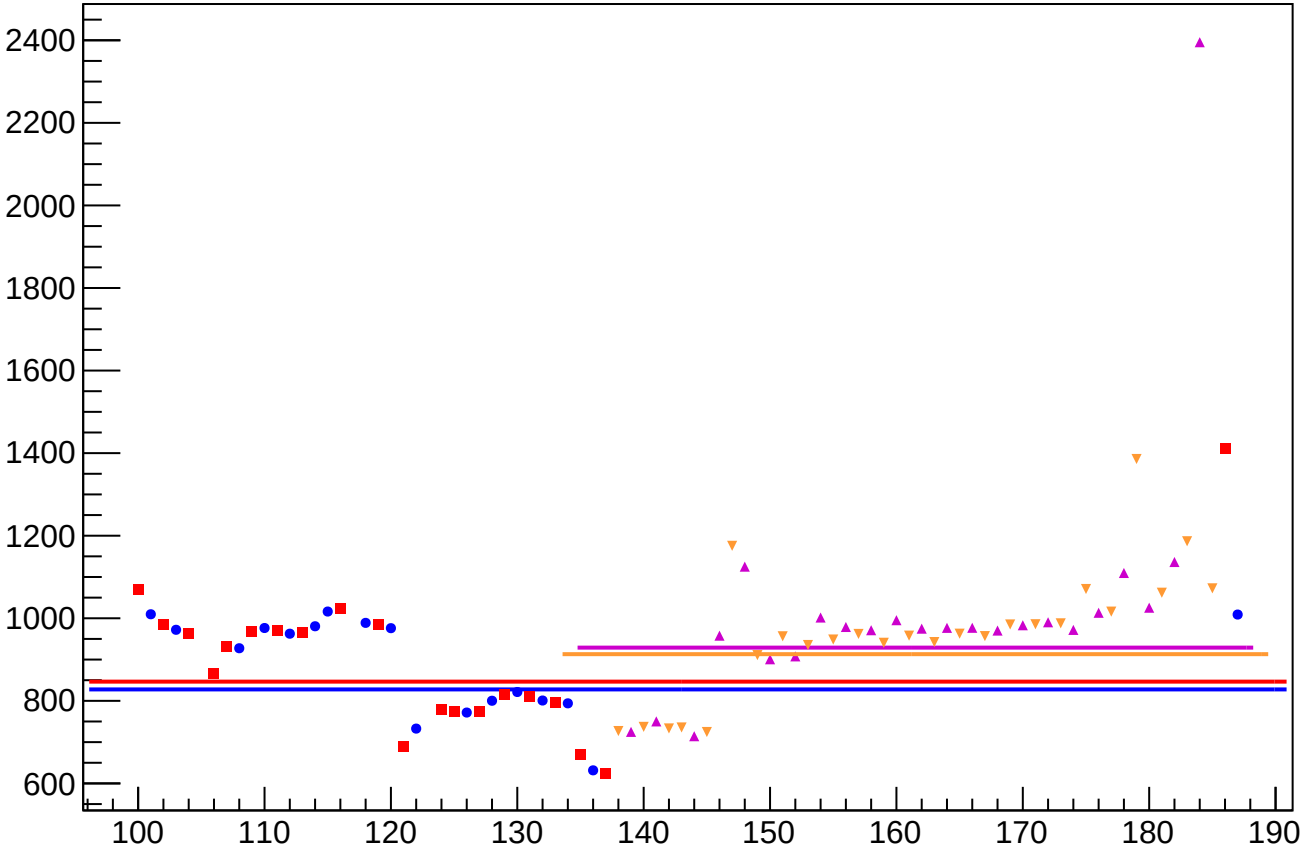
Right: 0.289+/-0.217 χ^2/NDF: 42.8/36

In: 0.061+/-0.180 χ^2/NDF:37.9/39

Out: 0.036+/-0.174 χ^2/NDF:57.1/44

All: 0.048+/-0.125 χ^2/NDF: 95.0/84

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 827.681+/-0.218 χ^2/NDF: 377883.9/16

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 846.551+/-0.216 χ^2/NDF: 453805.5/19

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

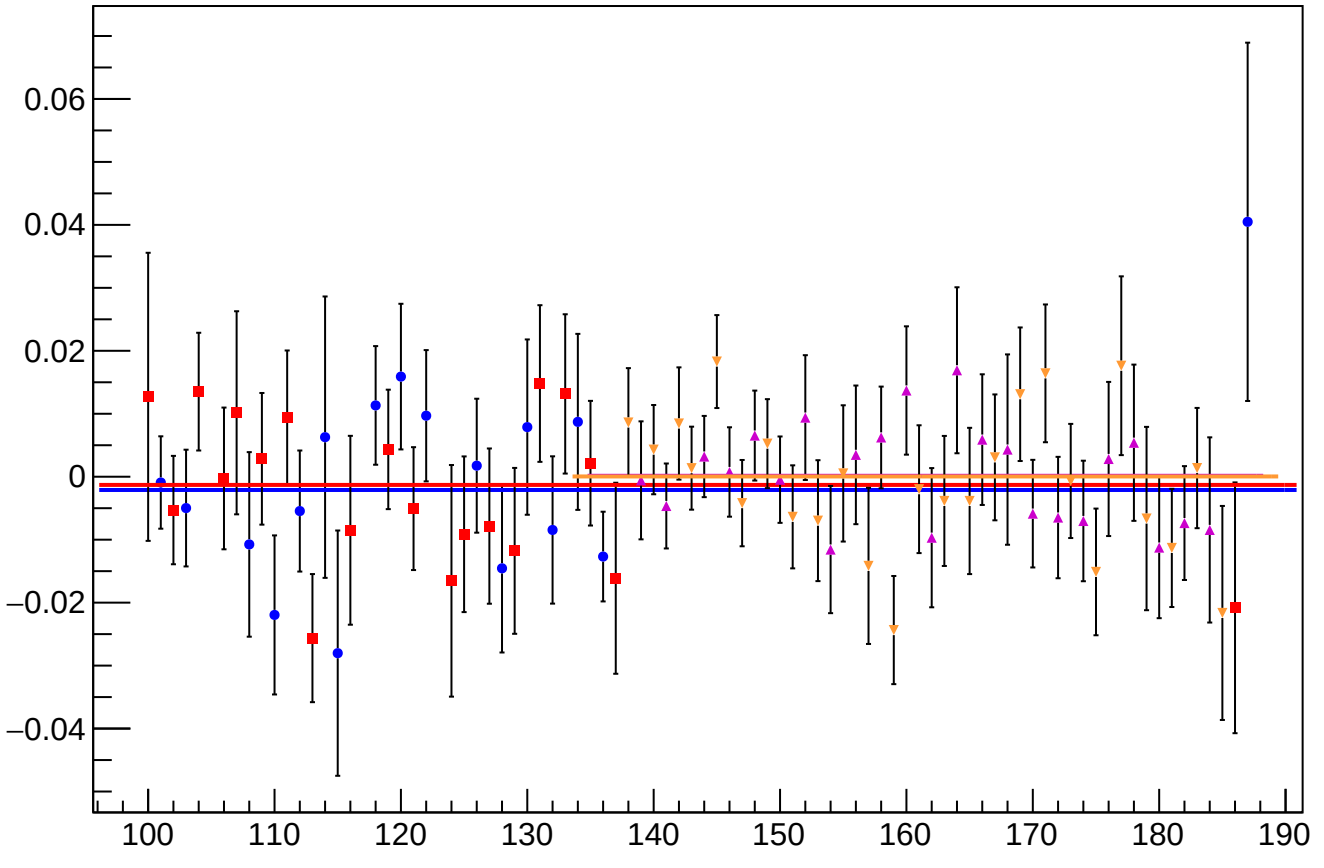
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 837.192+/-0.153 χ^2/NDF: 835472.4/36

In: 894.500+/-0.127 χ^2/NDF:1289515.8/39

Out: 891.465+/-0.123 χ^2/NDF:1407006.8/44

All: 892.935+/-0.088 χ^2/NDF: 2696817.0/84



Right In: -0.002+/-0.003 χ^2/NDF: 17.6/16

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.001+/-0.003 χ^2/NDF: 18.3/19

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

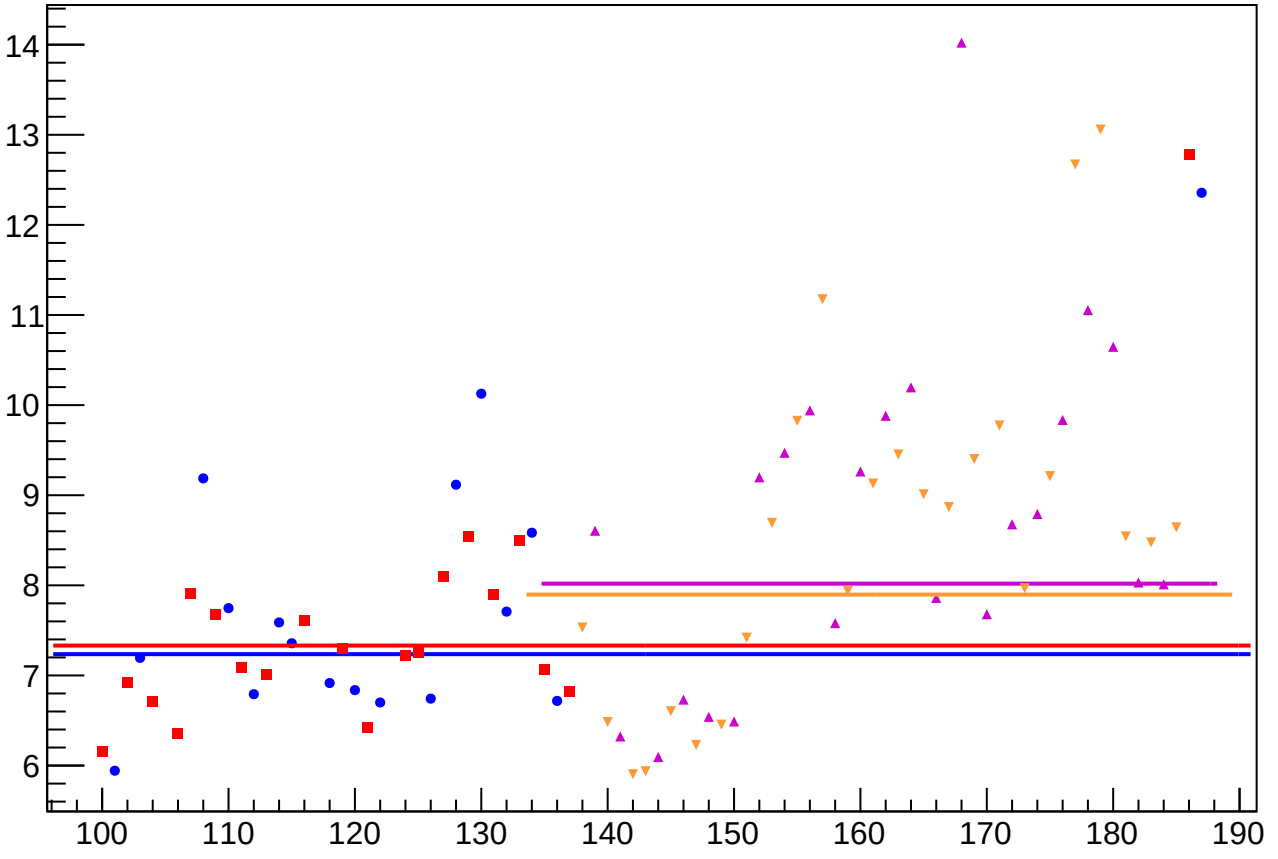
Right: -0.002+/-0.002 χ^2/NDF: 35.9/36

In: -0.001+/-0.002 χ^2/NDF:30.8/39

Out: -0.000+/-0.002 χ^2/NDF:49.6/44

All: -0.001+/-0.001 χ^2/NDF: 80.4/84

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.236+/-0.002 χ^2/NDF: 342982.3/16

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 7.332+/-0.002 χ^2/NDF: 258762.6/19

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

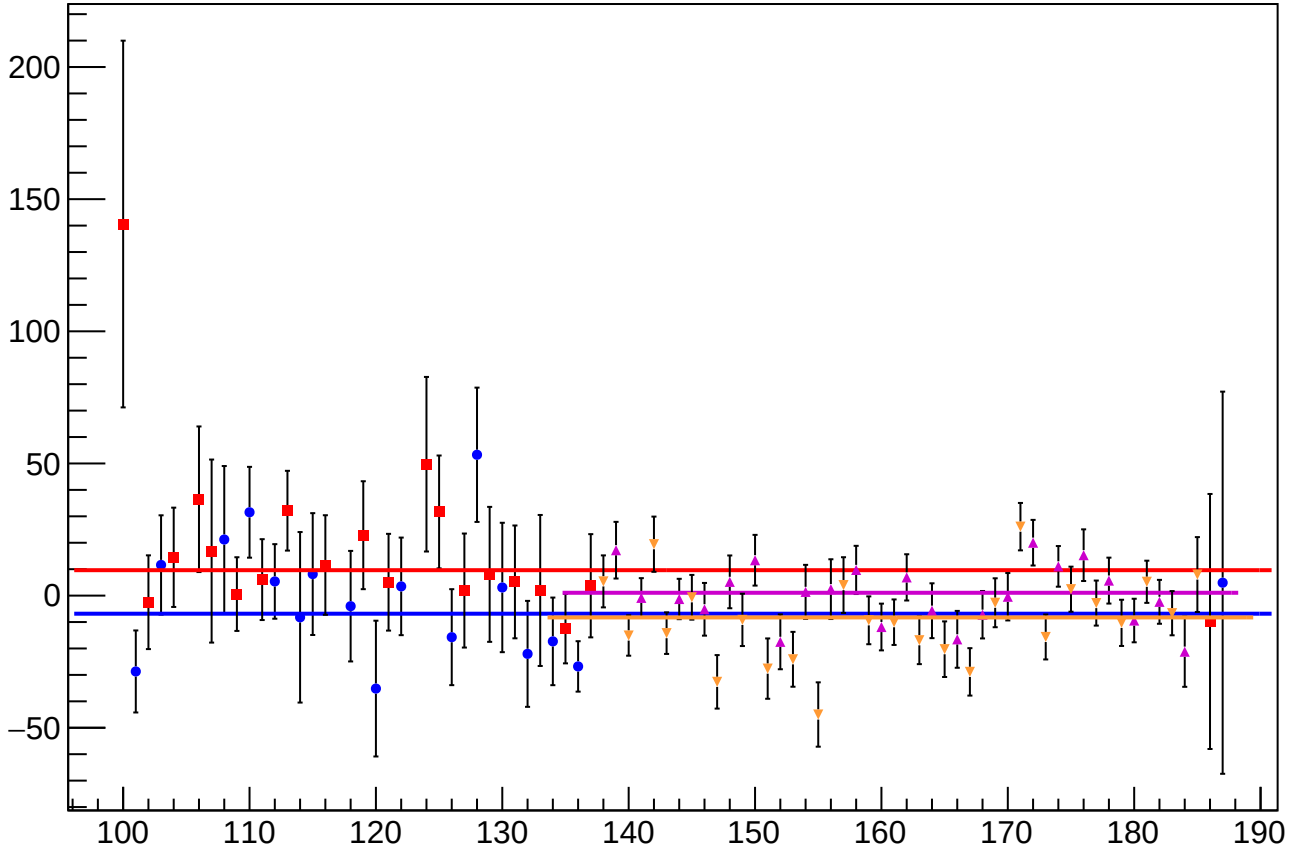
Right: 7.285+/-0.001 χ^2/NDF: 603024.8/36

In: 7.756+/-0.001 χ^2/NDF:1910589.5/39

Out: 7.712+/-0.001 χ^2/NDF:1911533.5/44

All: 7.733+/-0.001 χ^2/NDF: 3822965.0/84

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.846+/-4.480 χ^2/NDF: 23.1/16

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 9.620+/-4.498 χ^2/NDF: 14.1/19

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

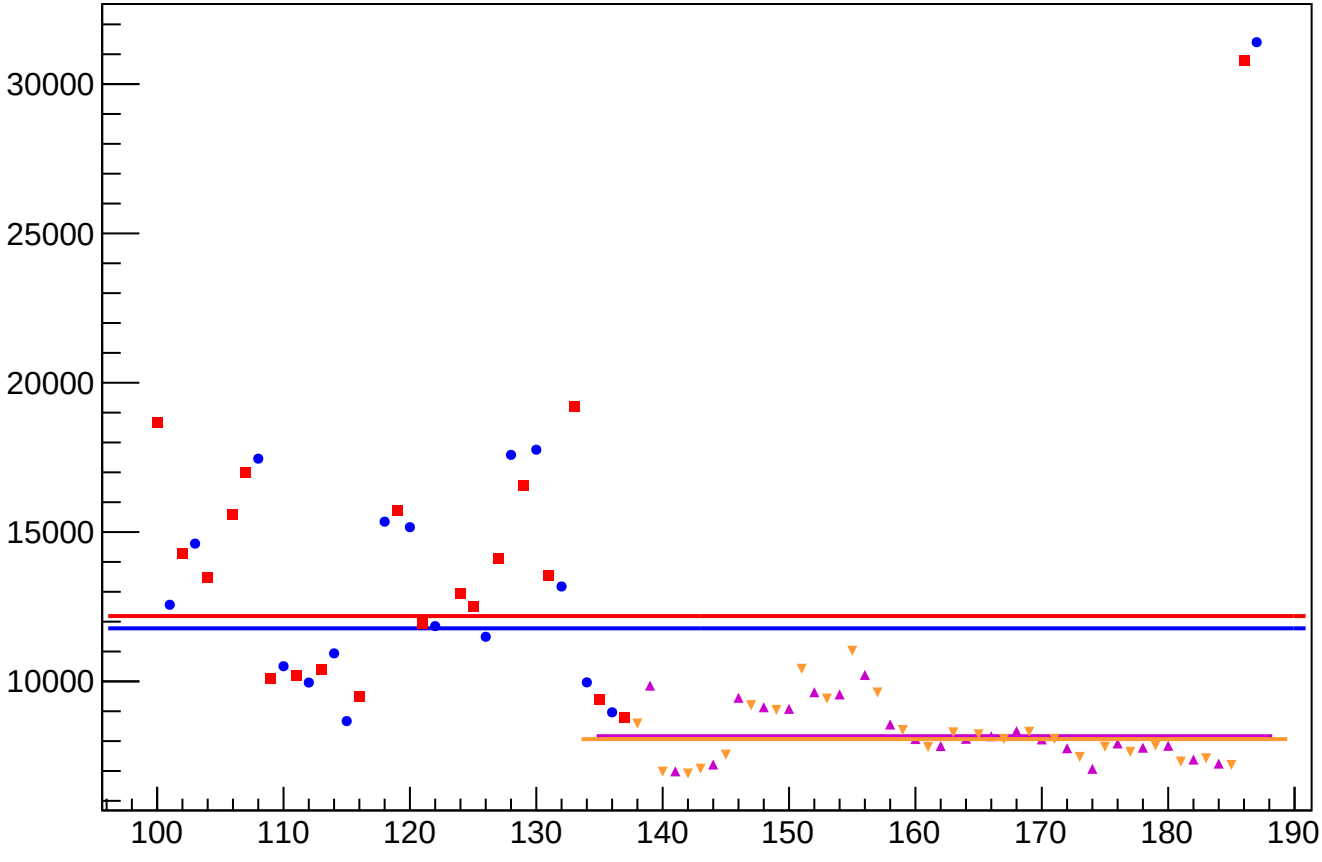
Right: 1.354+/-3.174 χ^2/NDF: 43.9/36

In: -0.158+/-1.765 χ^2/NDF:54.5/39

Out: -5.671+/-1.710 χ^2/NDF:89.8/44

All: -3.001+/-1.228 χ^2/NDF: 149.4/84

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11776.266+/-3.168 χ^2/NDF: 888148.6/16

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 12187.352+/-3.180 χ^2/NDF: 984740.6/19

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

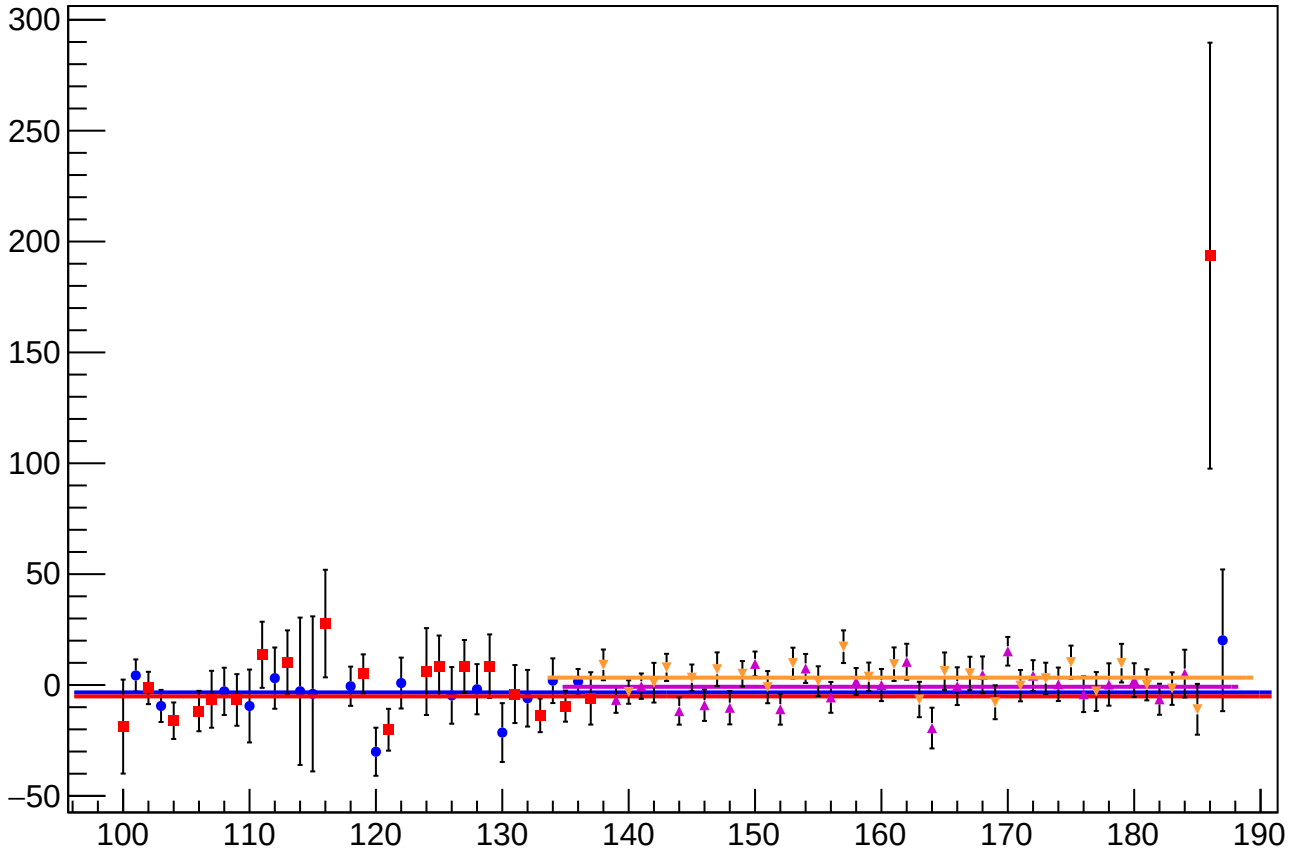
Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

Right: 11980.986+/-2.244 χ^2/NDF: 1881276.4/36

In: 8724.546+/-1.248 χ^2/NDF:2419292.8/39

Out: 8662.667+/-1.209 χ^2/NDF:2918826.3/44

All: 8692.629+/-0.869 χ^2/NDF: 5339386.6/84



Right In: -3.335+/-2.542 χ^2/NDF: 12.0/16

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -5.131+/-2.446 χ^2/NDF: 20.9/19

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

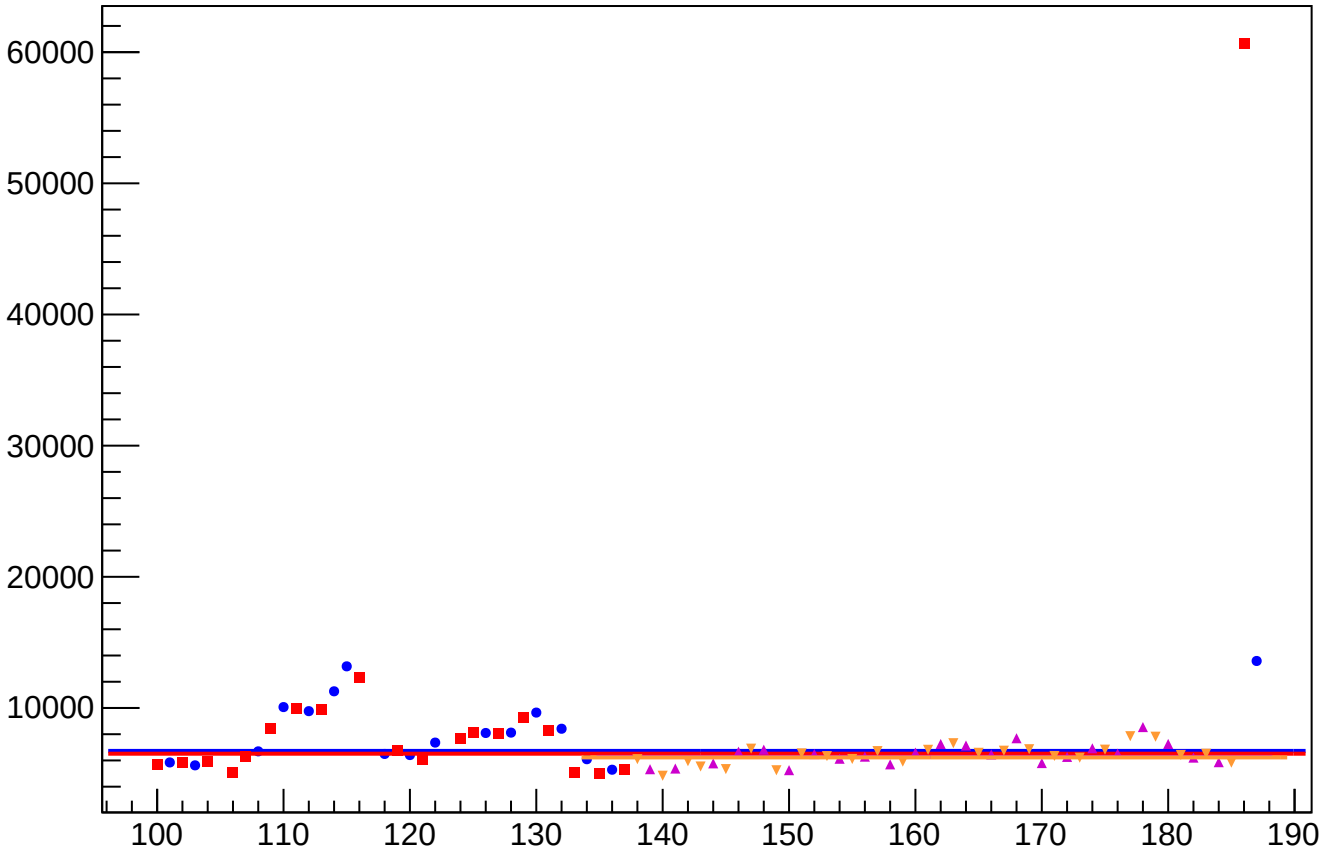
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -4.268+/-1.762 χ^2/NDF: 33.2/36

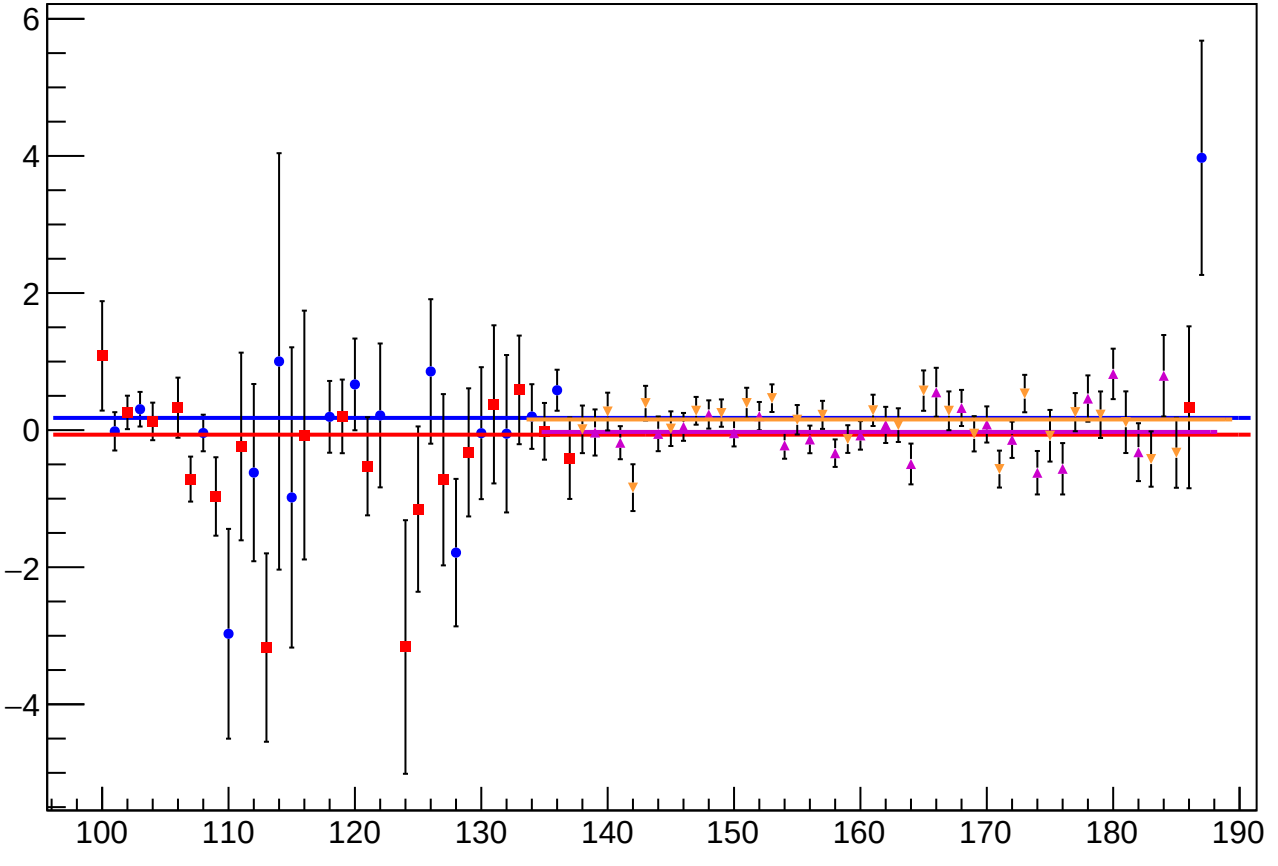
In: -1.439+/-1.278 χ^2/NDF:42.2/39

Out: 1.173+/-1.235 χ^2/NDF:46.7/44

All: -0.088+/-0.888 χ^2/NDF: 91.1/84


diff_targ_positionY_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 6726.641+/-1.797 χ²/NDF: 784882.7/16
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 6513.242+/-1.729 χ²/NDF: 1475050.5/19
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 6615.834+/-1.246 χ²/NDF: 2267254.5/36
In: 6386.098+/-0.904 χ²/NDF:1337666.1/39
Out: 6302.907+/-0.873 χ²/NDF:2027487.2/44
All: 6343.070+/-0.628 χ²/NDF: 3369536.0/84

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.178+/-0.119 χ^2/NDF: 17.5/16

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.066+/-0.119 χ^2/NDF: 22.6/19

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

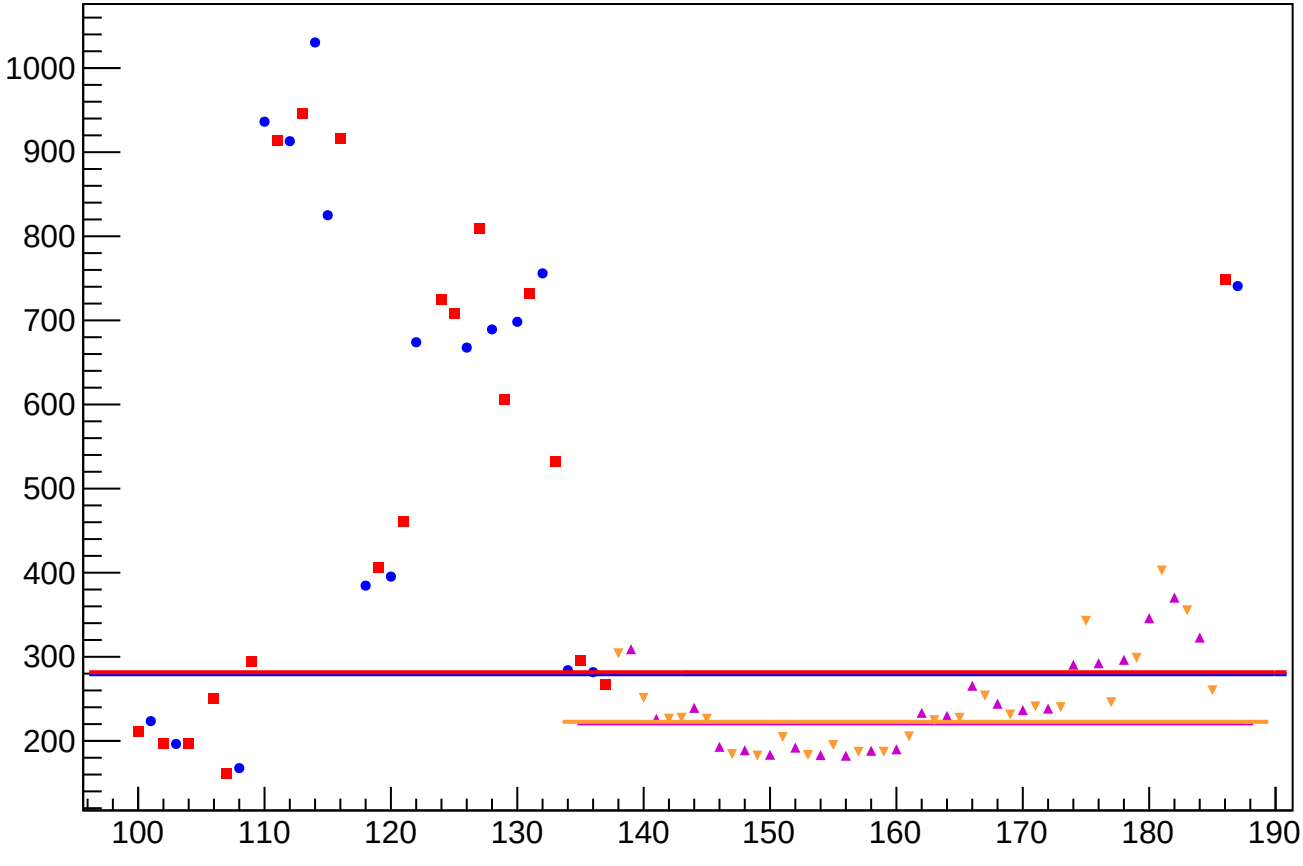
Right: 0.056+/-0.084 χ^2/NDF: 42.2/36

In: 0.007+/-0.048 χ^2/NDF:49.8/39

Out: 0.120+/-0.048 χ^2/NDF:57.8/44

All: 0.065+/-0.034 χ^2/NDF: 110.3/84

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 279.277+/-0.084 χ^2/NDF: 3597124.9/16

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 281.665+/-0.084 χ^2/NDF: 3887843.4/19

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

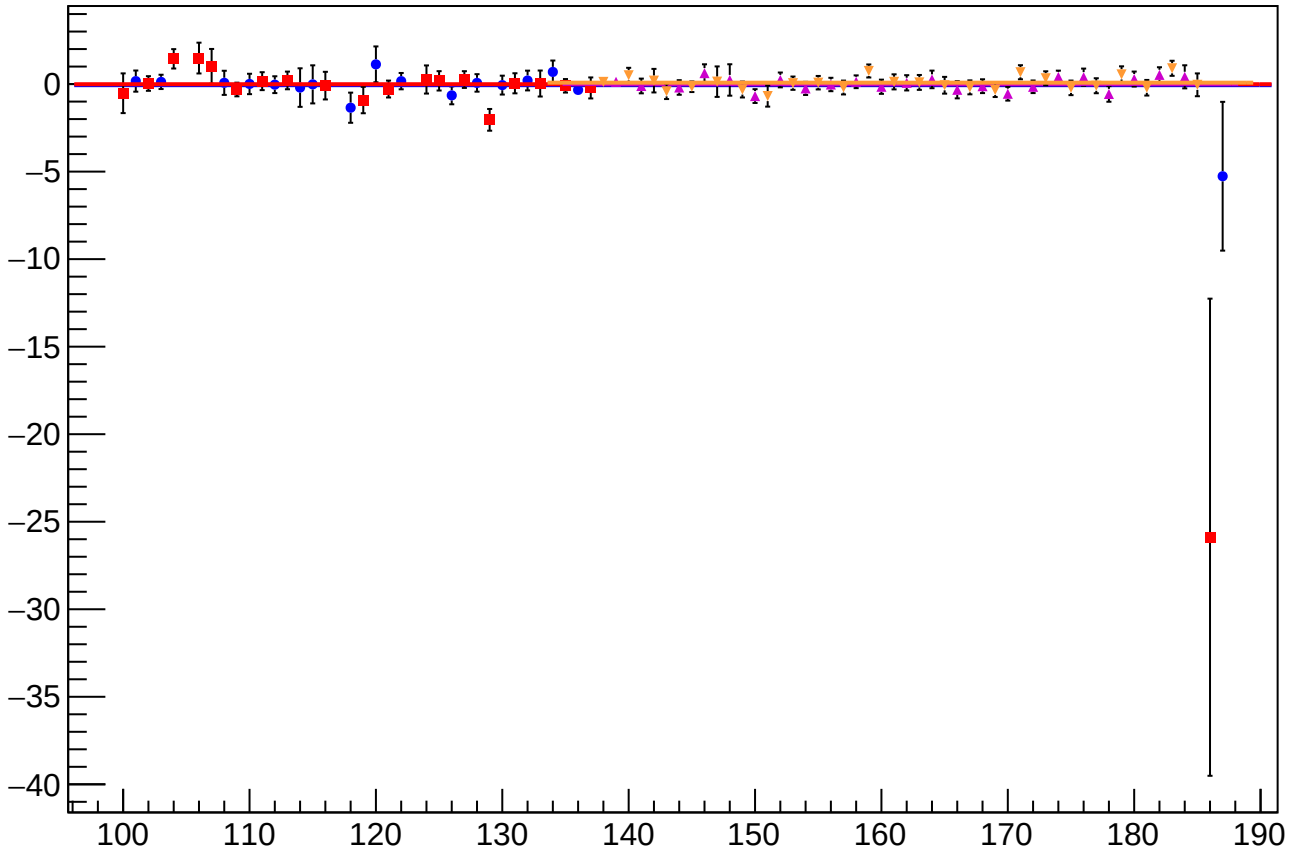
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 280.473+/-0.060 χ^2/NDF: 7485369.8/36

In: 230.433+/-0.034 χ^2/NDF:5470055.4/39

Out: 232.137+/-0.034 χ^2/NDF:5750856.6/44

All: 231.300+/-0.024 χ^2/NDF: 11222173.3/84



Right In: -0.062+/-0.134 χ^2/NDF: 9.6/16

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.008+/-0.129 χ^2/NDF: 28.8/19

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

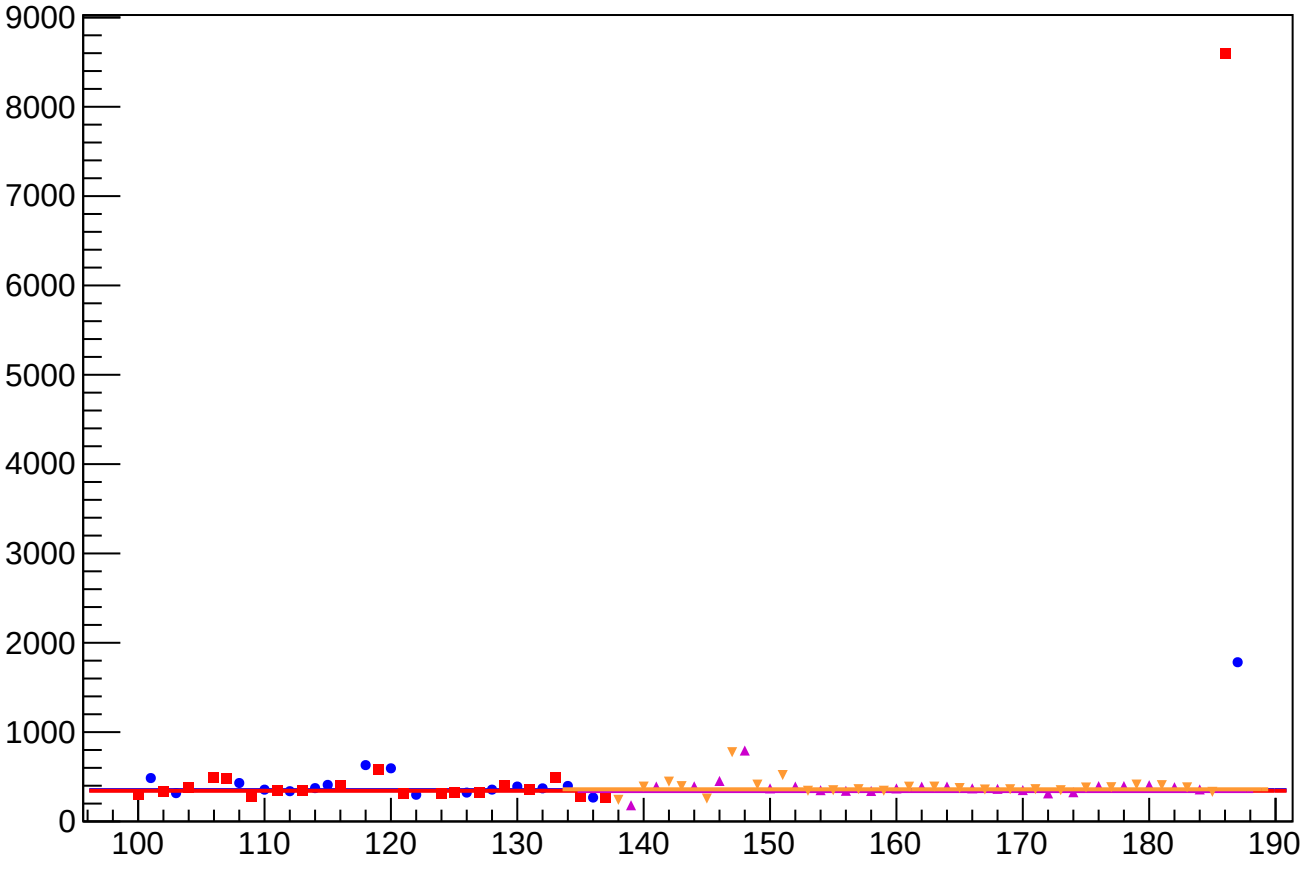
Right: -0.034+/-0.093 χ^2/NDF: 38.5/36

In: -0.011+/-0.070 χ^2/NDF:25.1/39

Out: 0.053+/-0.071 χ^2/NDF:48.1/44

All: 0.021+/-0.050 χ^2/NDF: 73.5/84

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 350.979+/-0.095 χ^2/NDF: 926400.7/16

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 343.380+/-0.091 χ^2/NDF: 1309305.0/19

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

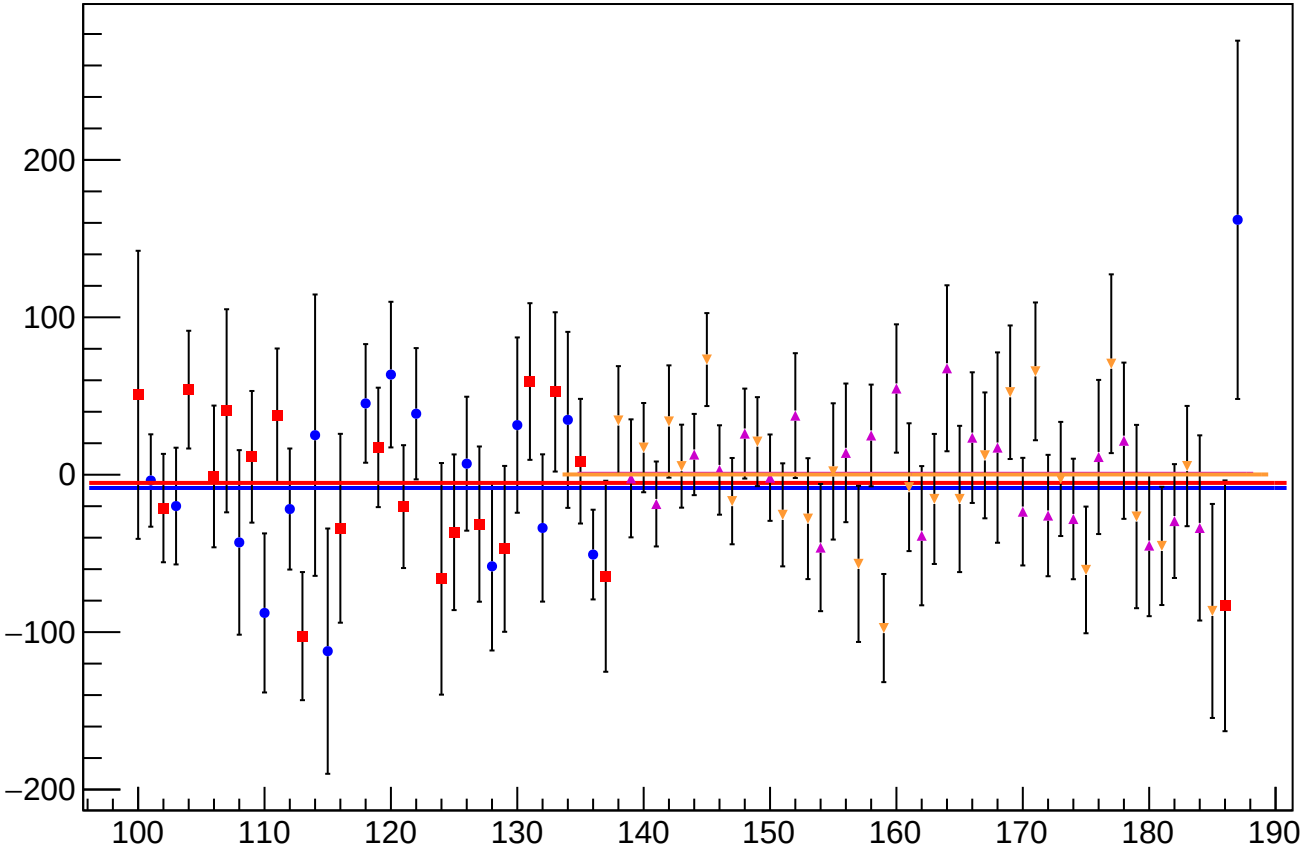
Right: 347.040+/-0.066 χ^2/NDF: 2239052.7/36

In: 343.057+/-0.050 χ^2/NDF:3161203.0/39

Out: 355.036+/-0.050 χ^2/NDF:2672395.8/44

All: 349.034+/-0.035 χ^2/NDF: 5862481.8/84

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -5.205+/-10.543 χ^2/NDF: 18.3/19

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

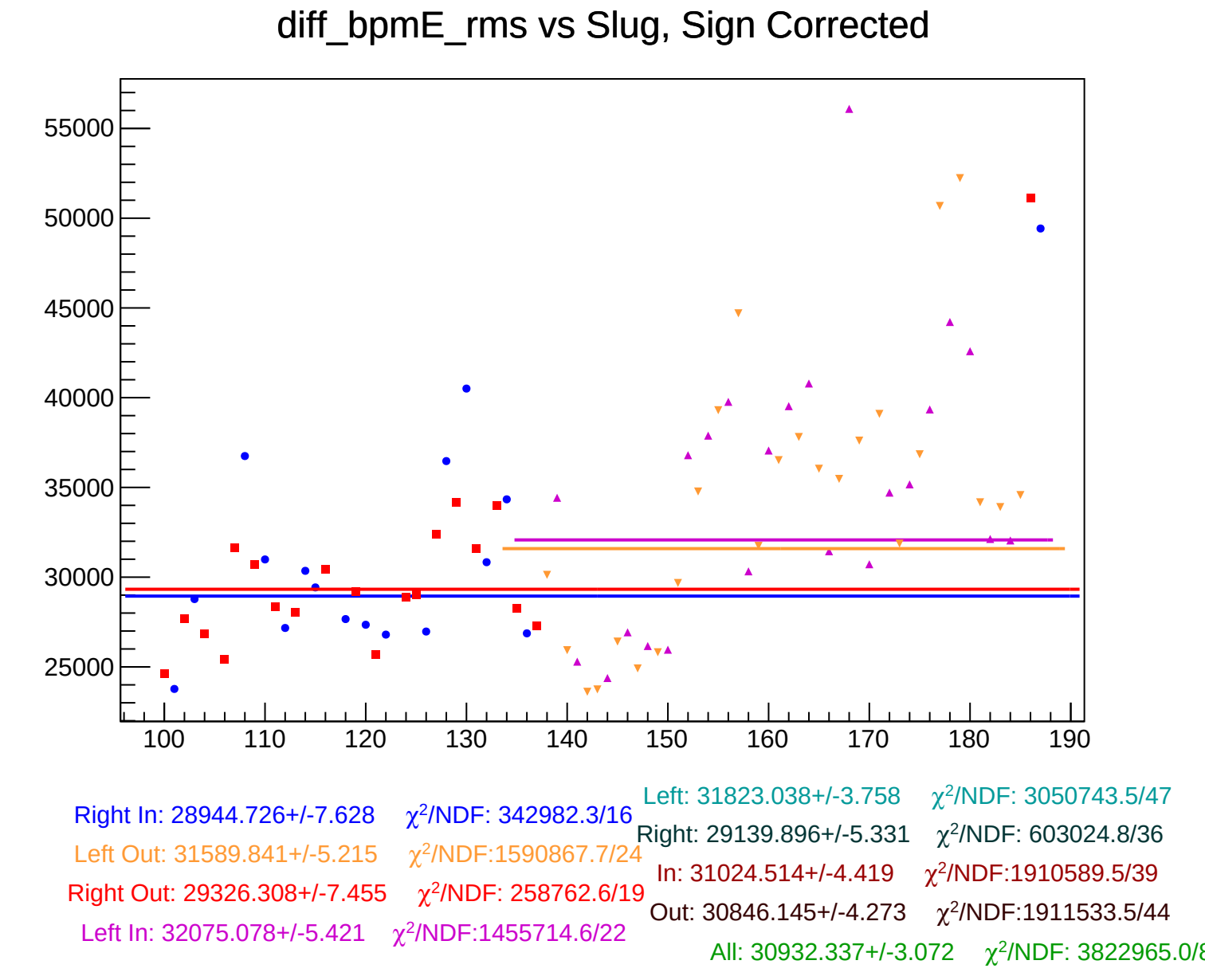
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

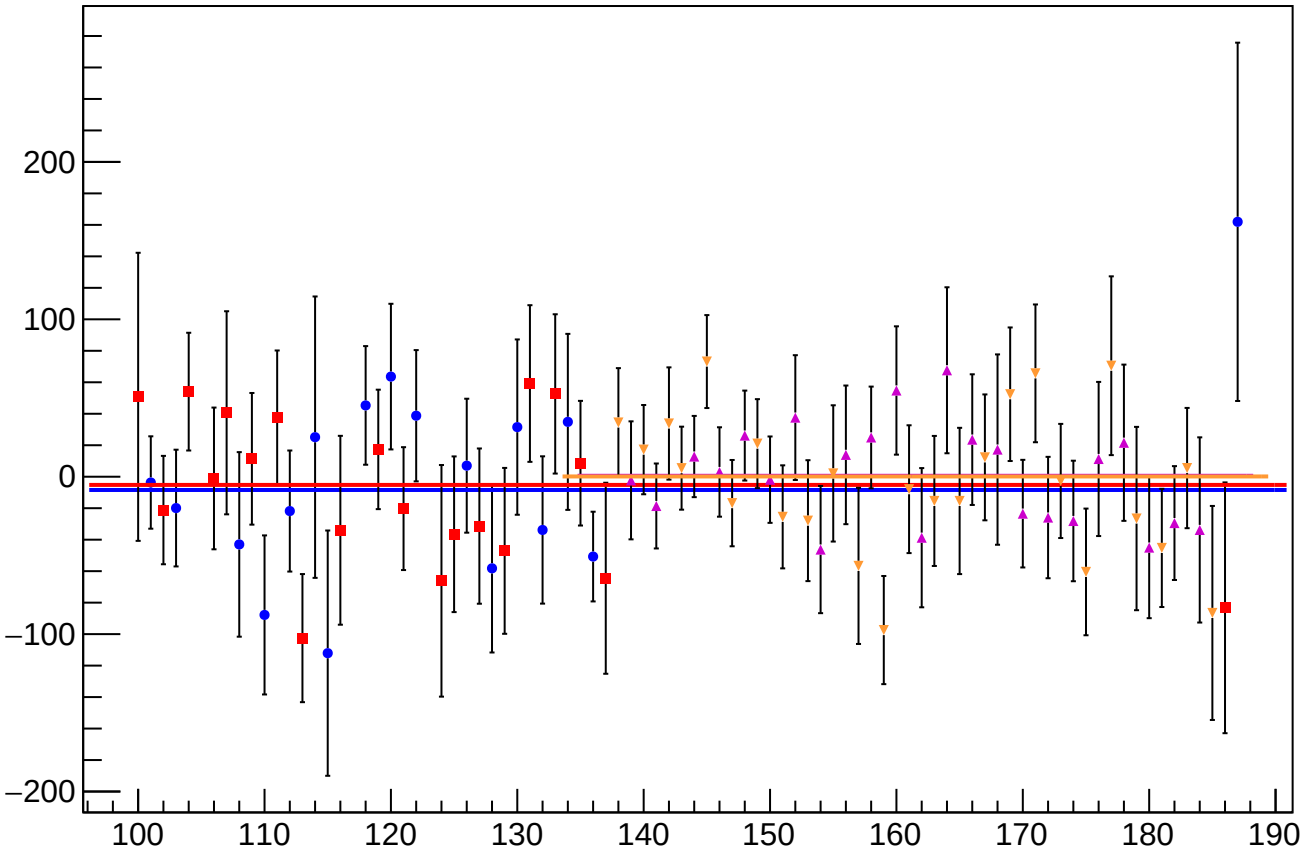
Right: -6.778+/-7.540 χ^2/NDF: 35.9/36

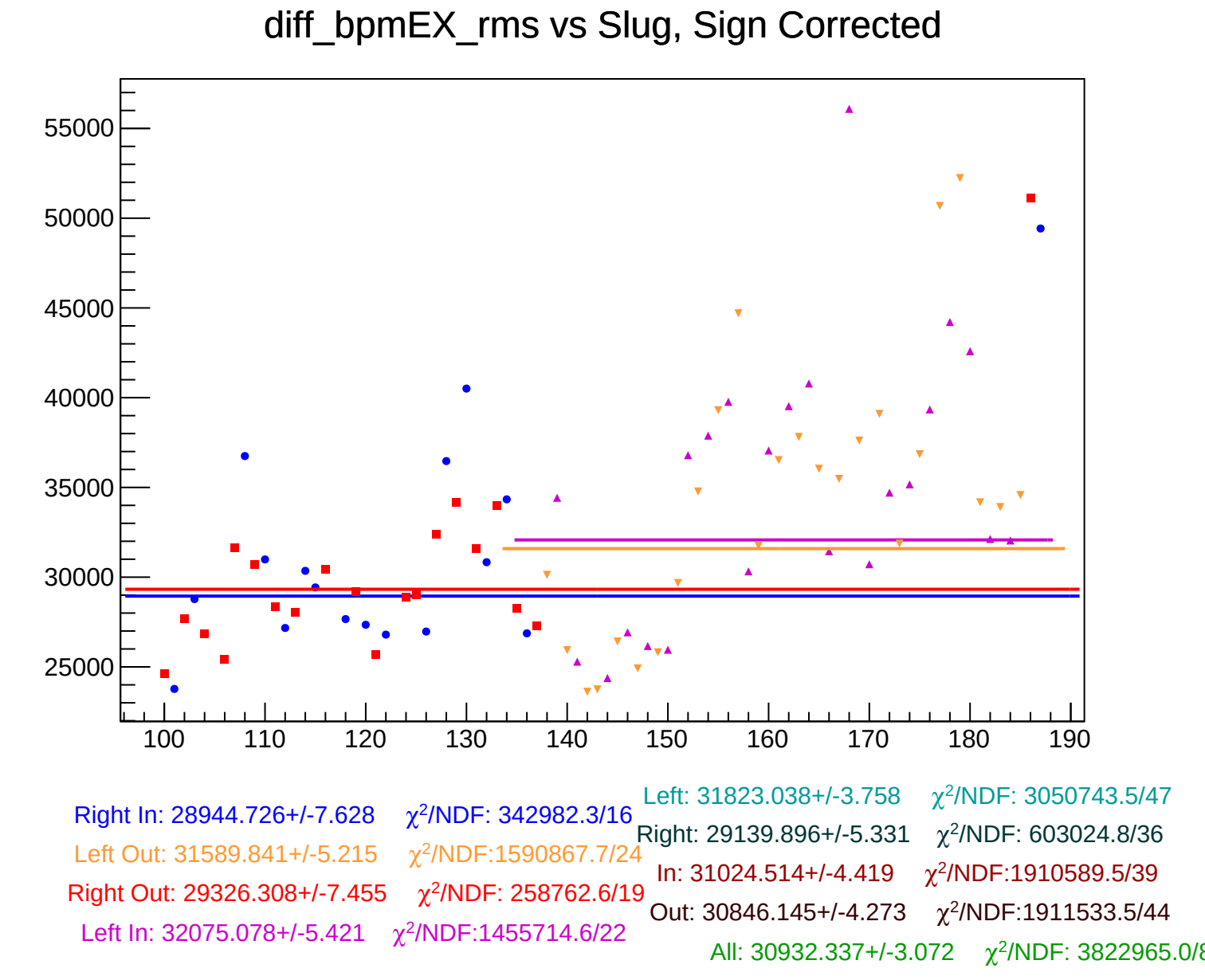
In: -2.438+/-6.249 χ^2/NDF:30.8/39

Out: -1.598+/-6.043 χ^2/NDF:49.6/44

All: -2.004+/-4.344 χ^2/NDF: 80.4/84


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
190
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 29326.308+/-7.455 χ²/NDF: 258762.6/19
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 29139.896+/-5.331 χ²/NDF: 603024.8/36
In: 31024.514+/-4.419 χ²/NDF:1910589.5/39
Out: 30846.145+/-4.273 χ²/NDF:1911533.5/44
All: 30932.337+/-3.072 χ²/NDF: 3822965.0/8


diff_bpmEX_mean vs Slug, Sign Corrected
200
100
0
−100
−200
100
110
120
130
140
150
160
170
180
190
Right In: -8.425+/-10.787 χ²/NDF: 17.6/16
Left Out: 0.168+/-7.375 χ²/NDF:31.1/24
Right Out: -5.205+/-10.543 χ²/NDF: 18.3/19
Left In: 0.586+/-7.667 χ²/NDF:12.8/22
Left: 0.369+/-5.315 χ²/NDF: 43.9/47
Right: -6.778+/-7.540 χ²/NDF: 35.9/36
In: -2.438+/-6.249 χ²/NDF:30.8/39
Out: -1.598+/-6.043 χ²/NDF:49.6/44
All: -2.004+/-4.344 χ²/NDF: 80.4/84


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
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120
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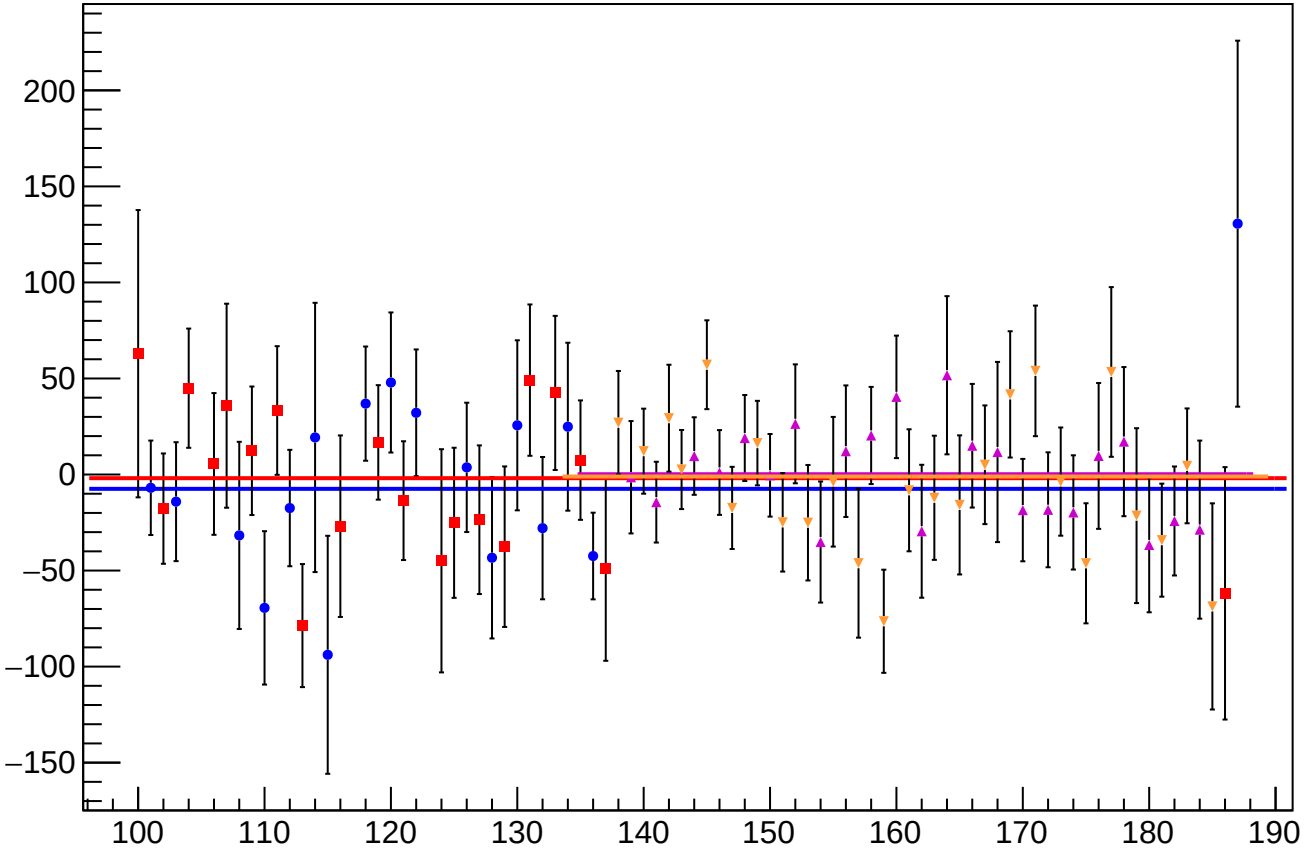
140
150
160
170
180
190
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 29326.308+/-7.455 χ²/NDF: 258762.6/19
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 29139.896+/-5.331 χ²/NDF: 603024.8/36
In: 31024.514+/-4.419 χ²/NDF:1910589.5/39
Out: 30846.145+/-4.273 χ²/NDF:1911533.5/44
All: 30932.337+/-3.072 χ²/NDF: 3822965.0/8

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -7.454+/-8.643 χ^2/NDF: 17.6/16

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -1.909+/-8.435 χ^2/NDF: 18.4/19

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

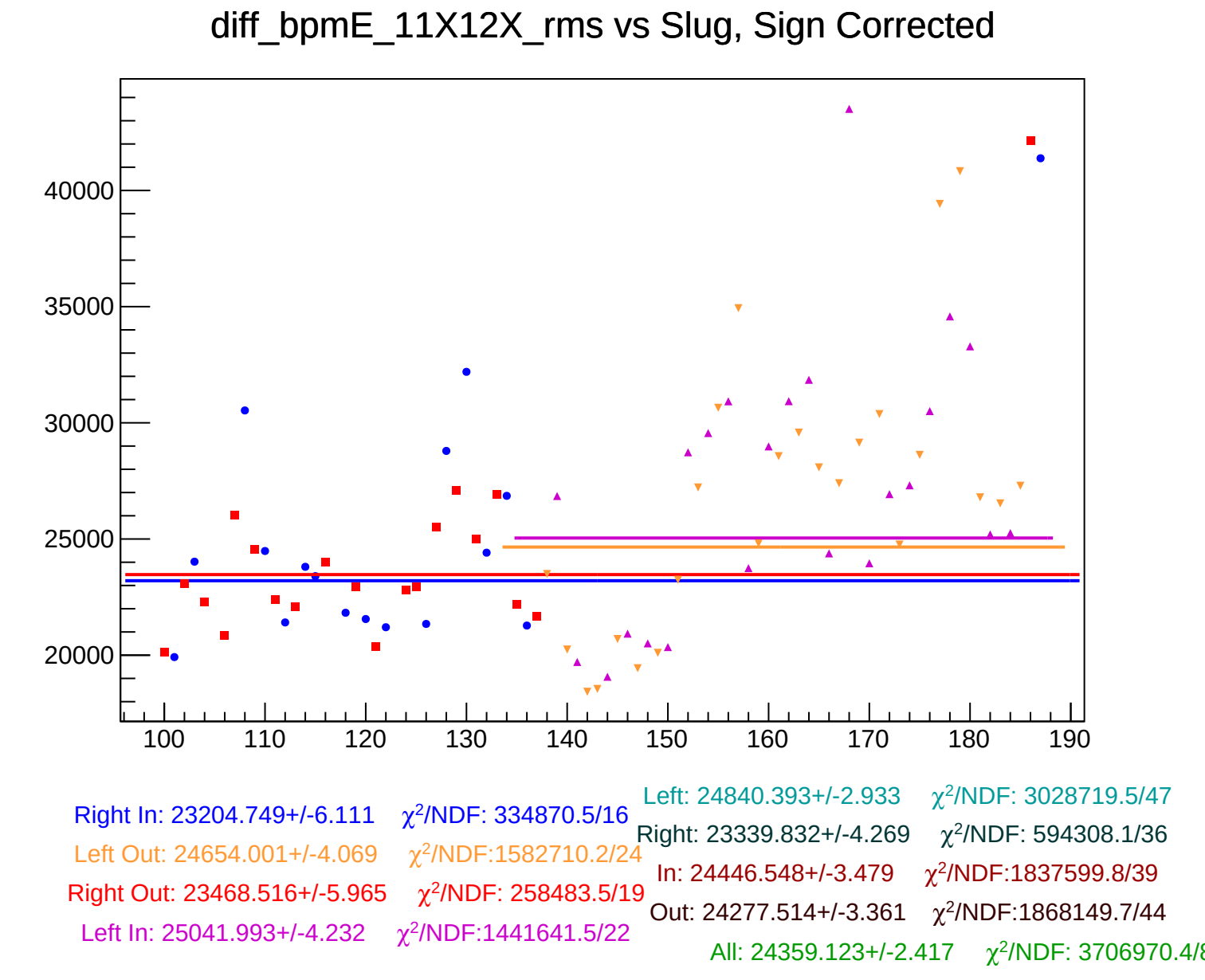
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -4.614+/-6.037 χ^2/NDF: 36.3/36

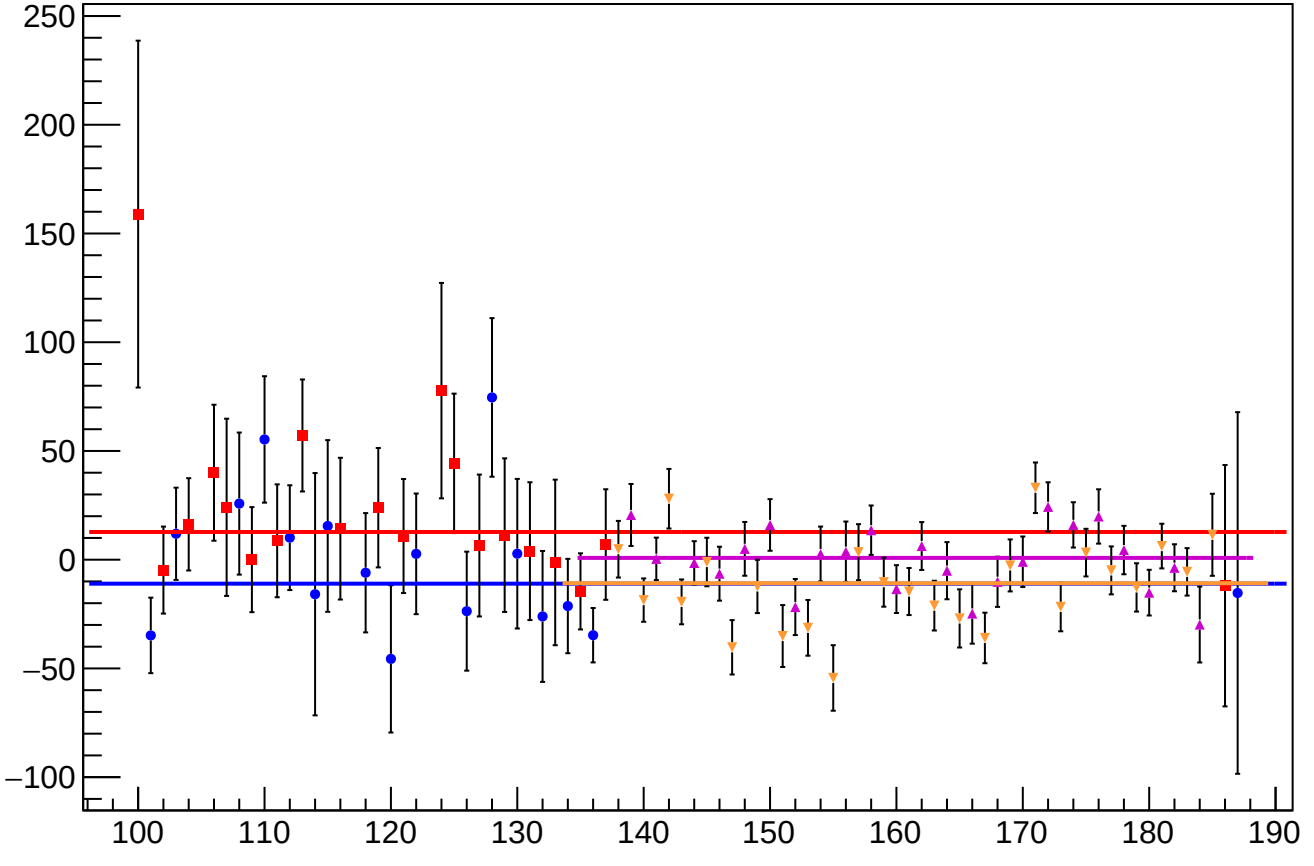
In: -2.317+/-4.920 χ^2/NDF:30.3/39

Out: -1.317+/-4.754 χ^2/NDF:50.8/44

All: -1.800+/-3.419 χ^2/NDF: 81.1/84


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
180
190
Right In: 23204.749+/-6.111 χ²/NDF: 334870.5/16
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 23468.516+/-5.965 χ²/NDF: 258483.5/19
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 23339.832+/-4.269 χ²/NDF: 594308.1/36
In: 24446.548+/-3.479 χ²/NDF:1837599.8/39
Out: 24277.514+/-3.361 χ²/NDF:1868149.7/44
All: 24359.123+/-2.417 χ²/NDF: 3706970.4/8

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.026+/-6.138 χ^2/NDF: 22.0/16

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 12.744+/-6.340 χ^2/NDF: 14.1/19

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

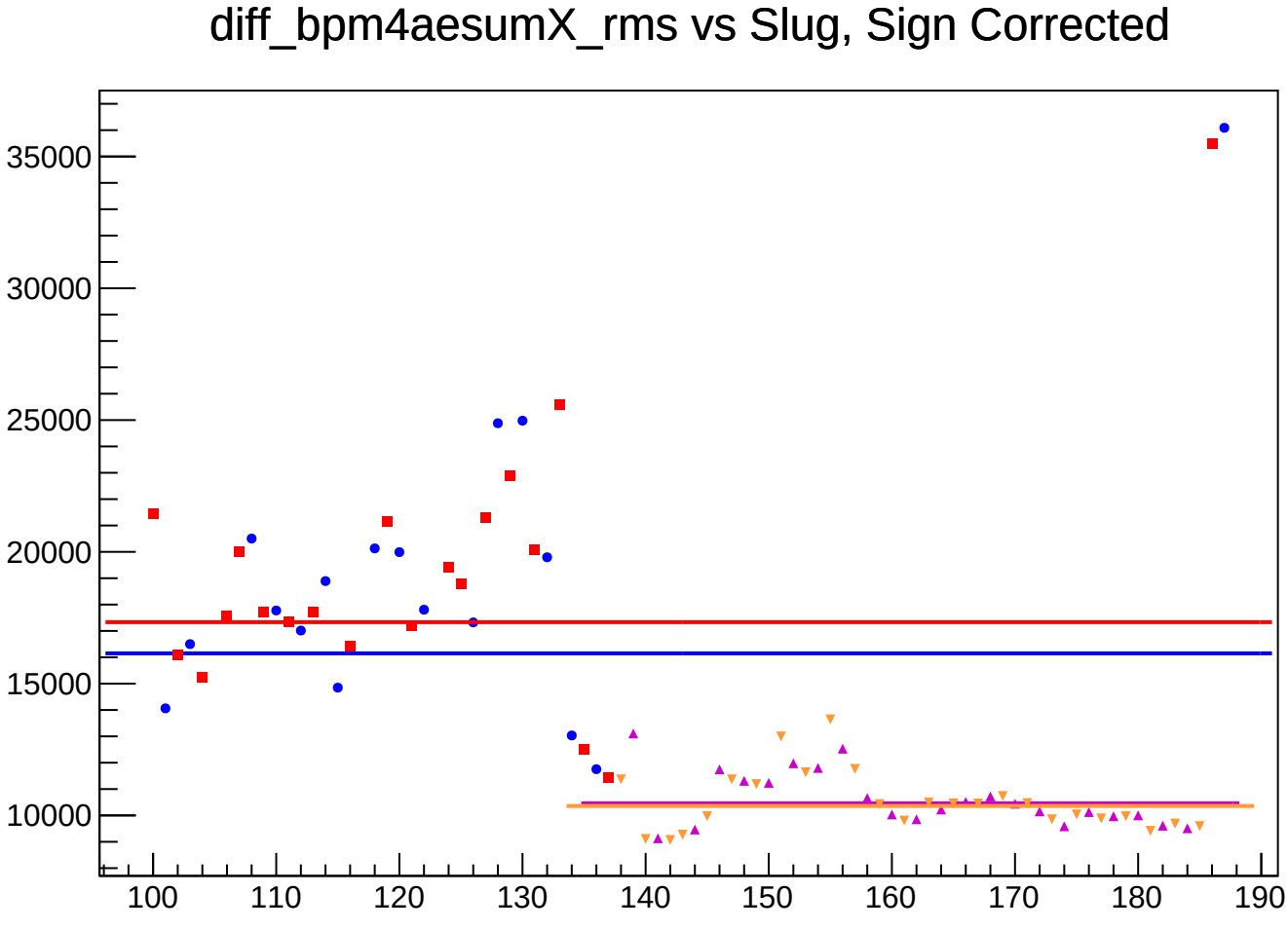
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

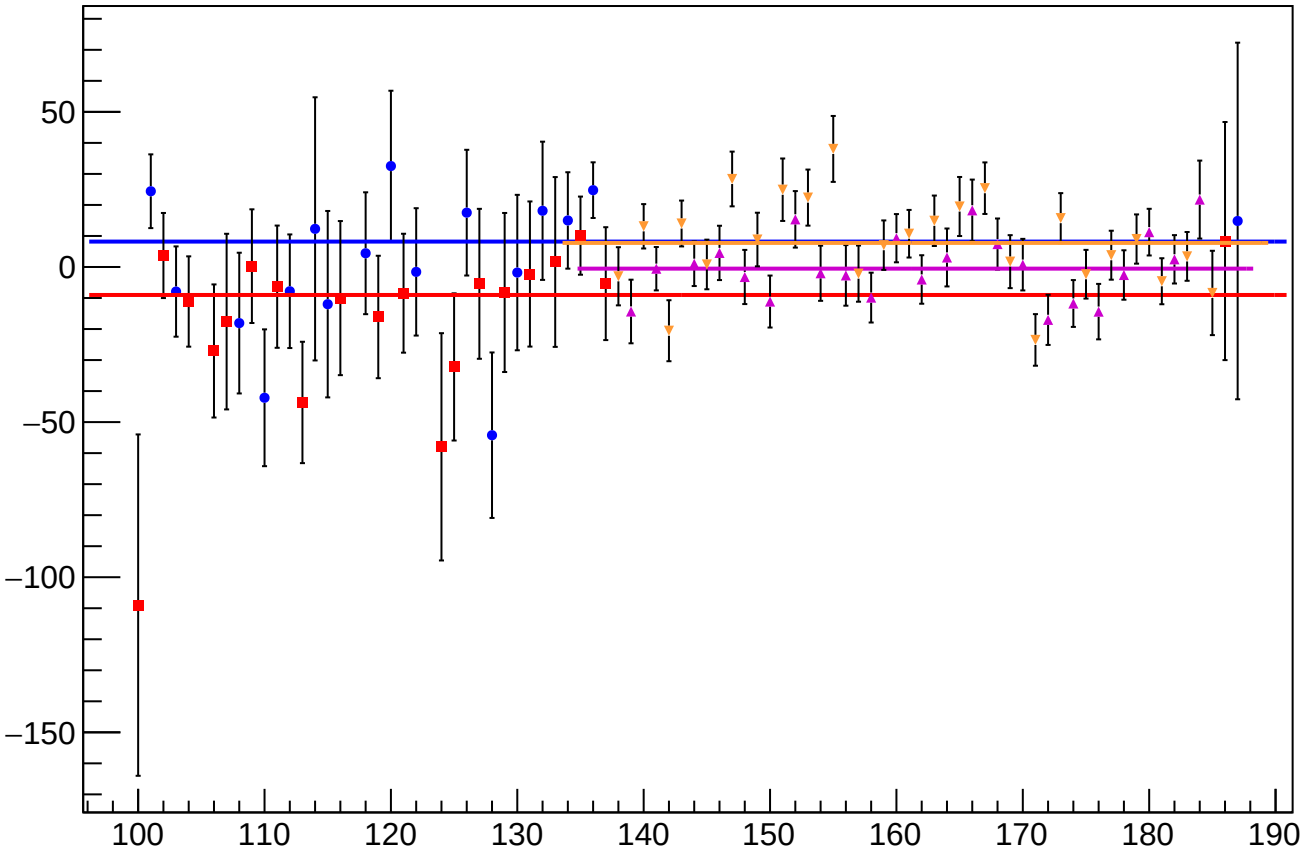
Right: 0.475+/-4.410 χ^2/NDF: 43.3/36

In: -0.810+/-2.281 χ^2/NDF:54.6/39

Out: -7.932+/-2.220 χ^2/NDF:87.5/44

All: -4.468+/-1.591 χ^2/NDF: 147.1/84


diff_bpm4aesumX_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 16149.322+/-4.340 χ²/NDF: 838325.2/16
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 17332.697+/-4.483 χ²/NDF: 752256.5/19
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
Left: 10406.904+/-1.206 χ²/NDF: 679454.0/47
Right: 16721.857+/-3.118 χ²/NDF: 1626547.1/36
In: 11244.908+/-1.613 χ²/NDF:2634387.2/39
Out: 11213.652+/-1.570 χ²/NDF:3238683.3/44
All: 11228.858+/-1.125 χ²/NDF: 5873263.4/8



Right In: 8.189+/-4.410 χ^2/NDF: 21.8/16

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -9.019+/-4.574 χ^2/NDF: 14.1/19

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

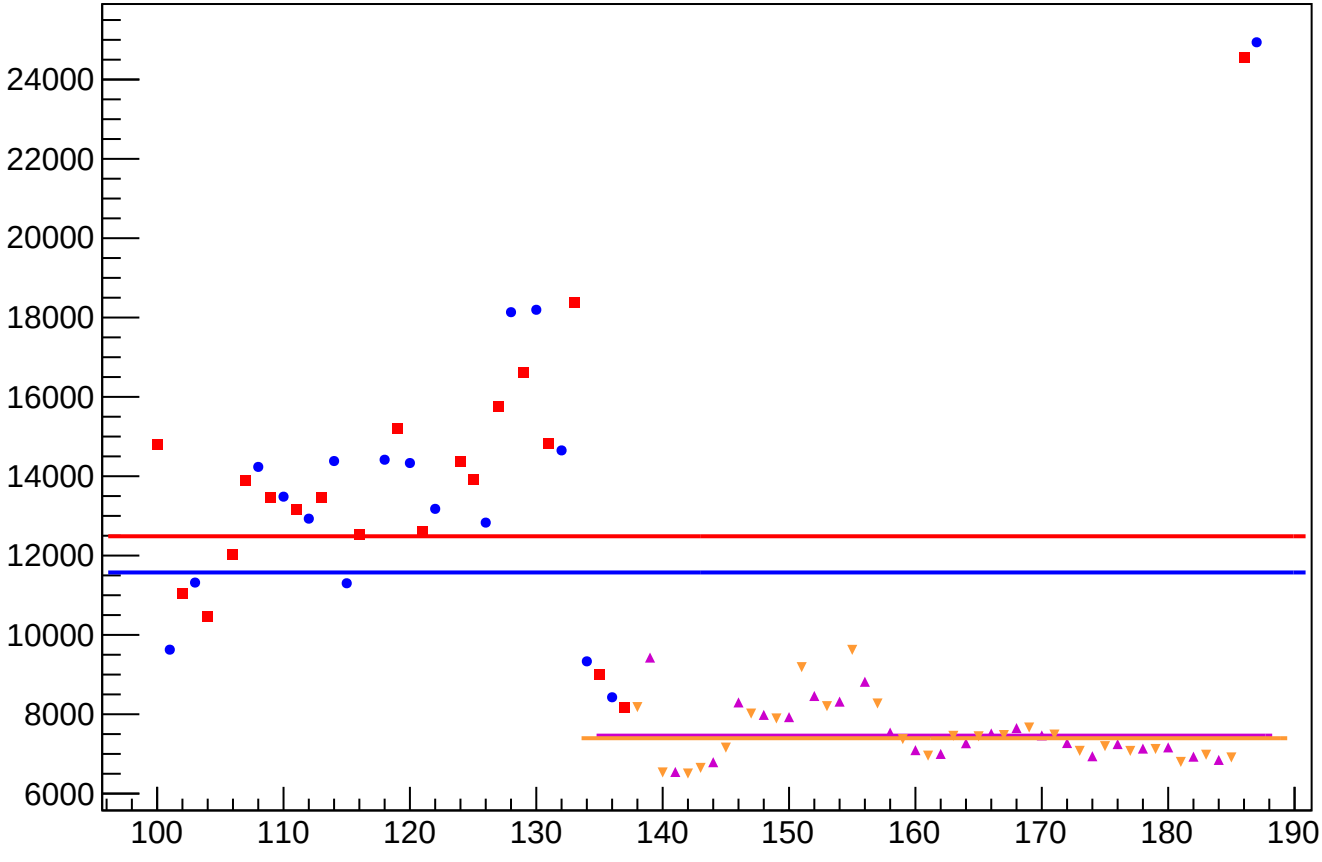
Right: -0.100+/-3.175 χ^2/NDF: 43.2/36

In: 0.657+/-1.628 χ^2/NDF:54.6/39

Out: 5.744+/-1.586 χ^2/NDF:86.9/44

All: 3.267+/-1.136 χ^2/NDF: 146.5/84

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11574.110+/-3.118 χ^2/NDF: 898770.6/16

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 12486.424+/-3.235 χ^2/NDF: 799237.4/19

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

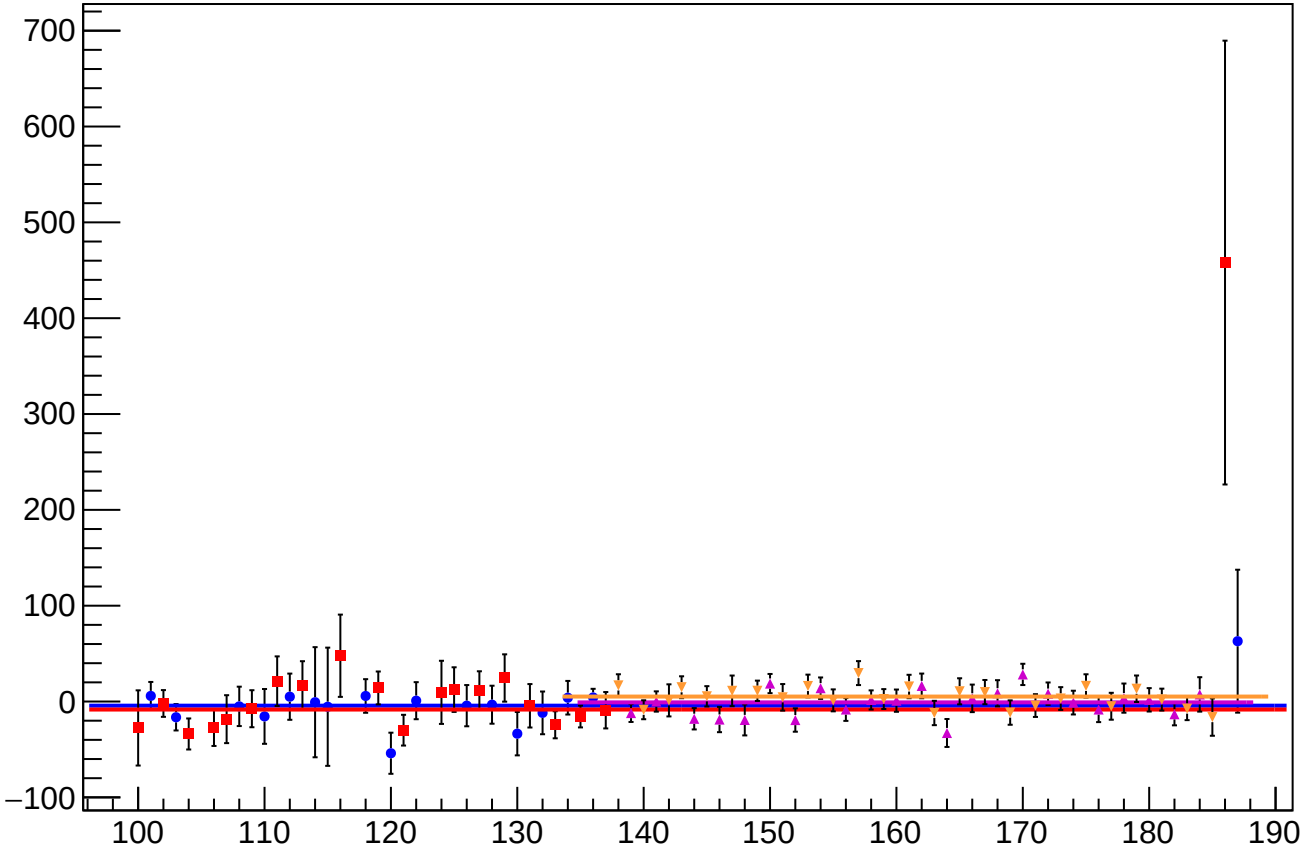
Right: 12013.563+/-2.245 χ^2/NDF: 1739241.5/36

In: 8021.553+/-1.151 χ^2/NDF:2685684.2/39

Out: 8008.010+/-1.122 χ^2/NDF:3302813.0/44

All: 8014.606+/-0.803 χ^2/NDF: 5988568.2/84

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -4.327+/-4.546 χ^2/NDF: 11.1/16

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -8.370+/-4.391 χ^2/NDF: 21.2/19

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

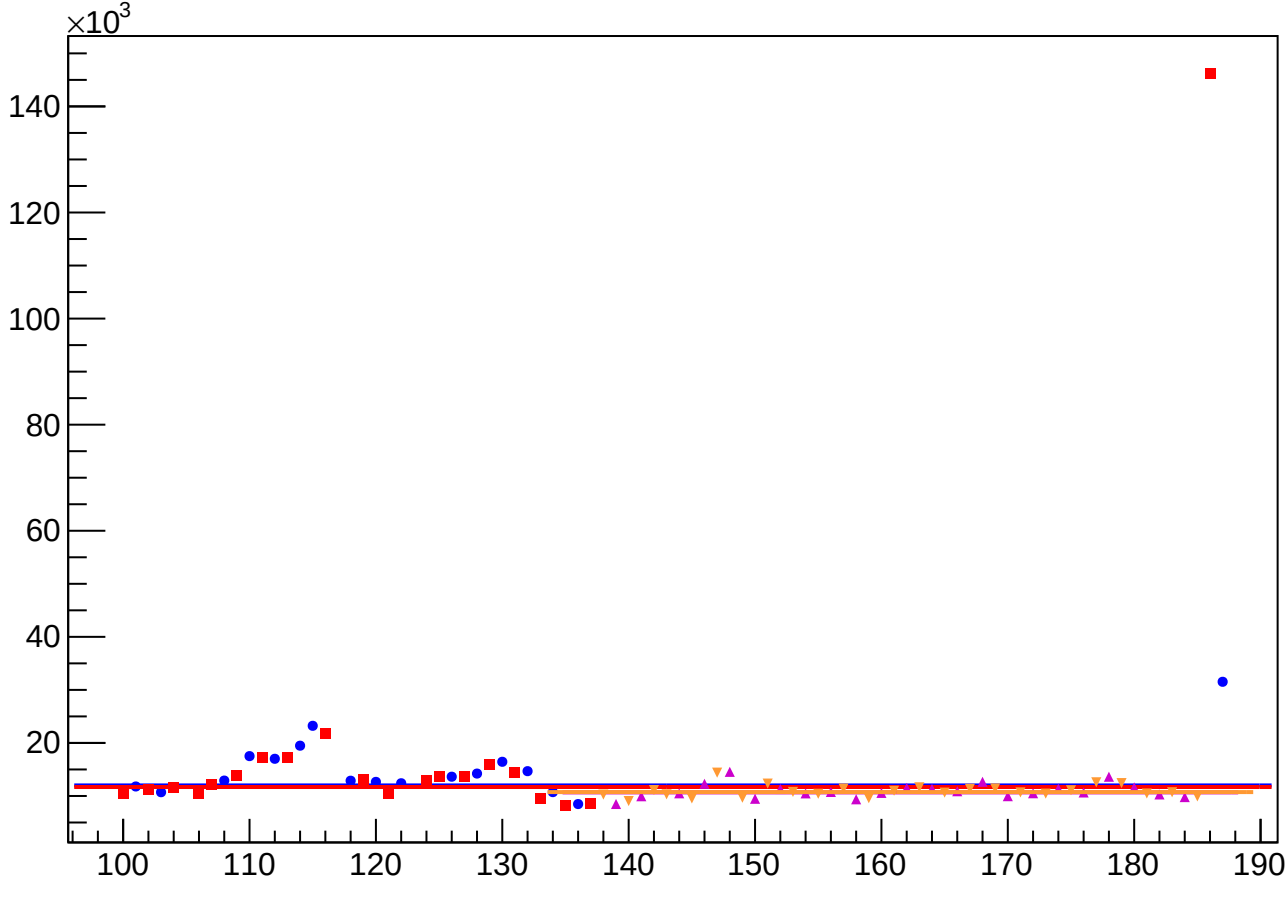
Right: -6.418+/-3.158 χ^2/NDF: 32.7/36

In: -1.698+/-2.203 χ^2/NDF:43.3/39

Out: 1.944+/-2.145 χ^2/NDF:46.9/44

All: 0.171+/-1.537 χ^2/NDF: 91.6/84

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11989.239+/-3.214 χ^2/NDF: 887620.8/16

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 11692.018+/-3.105 χ^2/NDF: 1465443.2/19

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

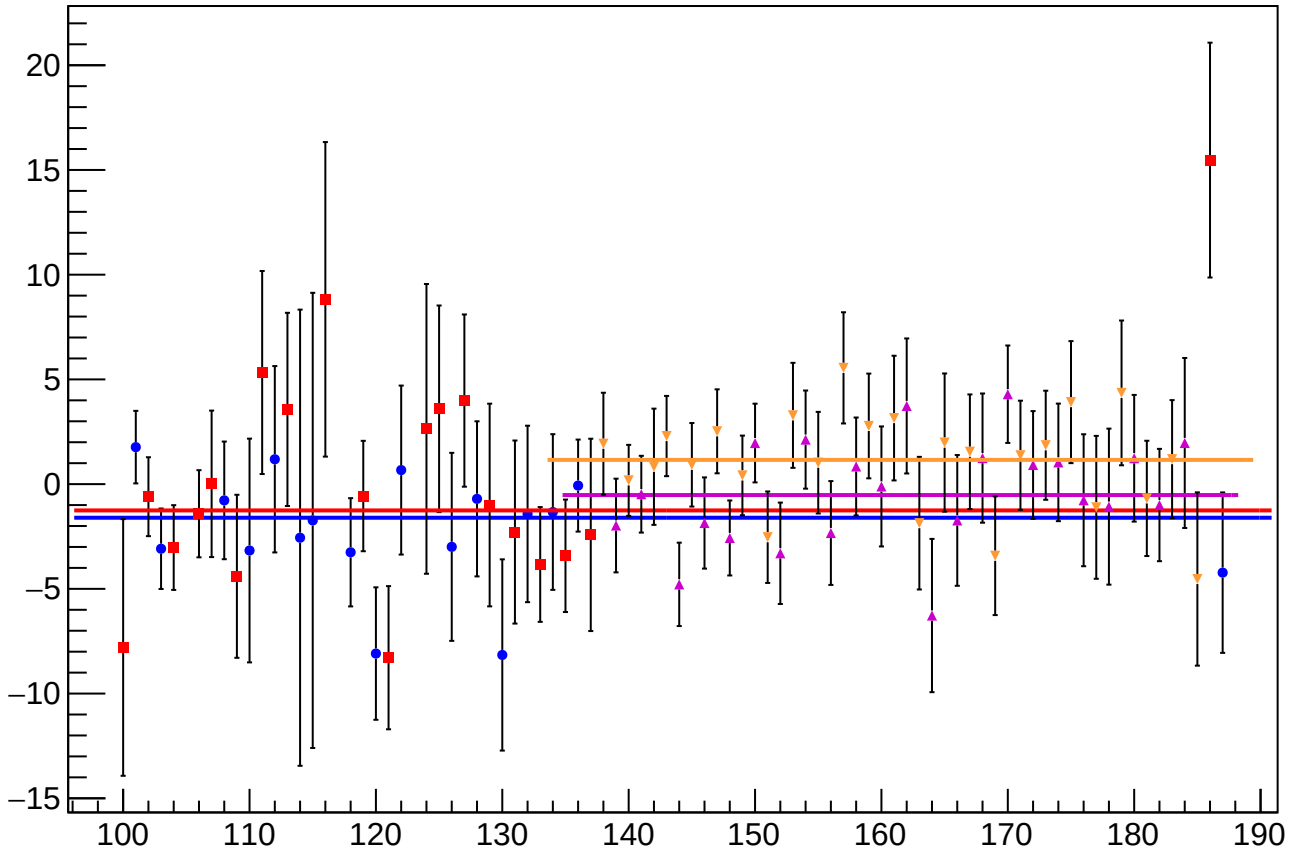
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 11835.506+/-2.233 χ^2/NDF: 2357486.8/36

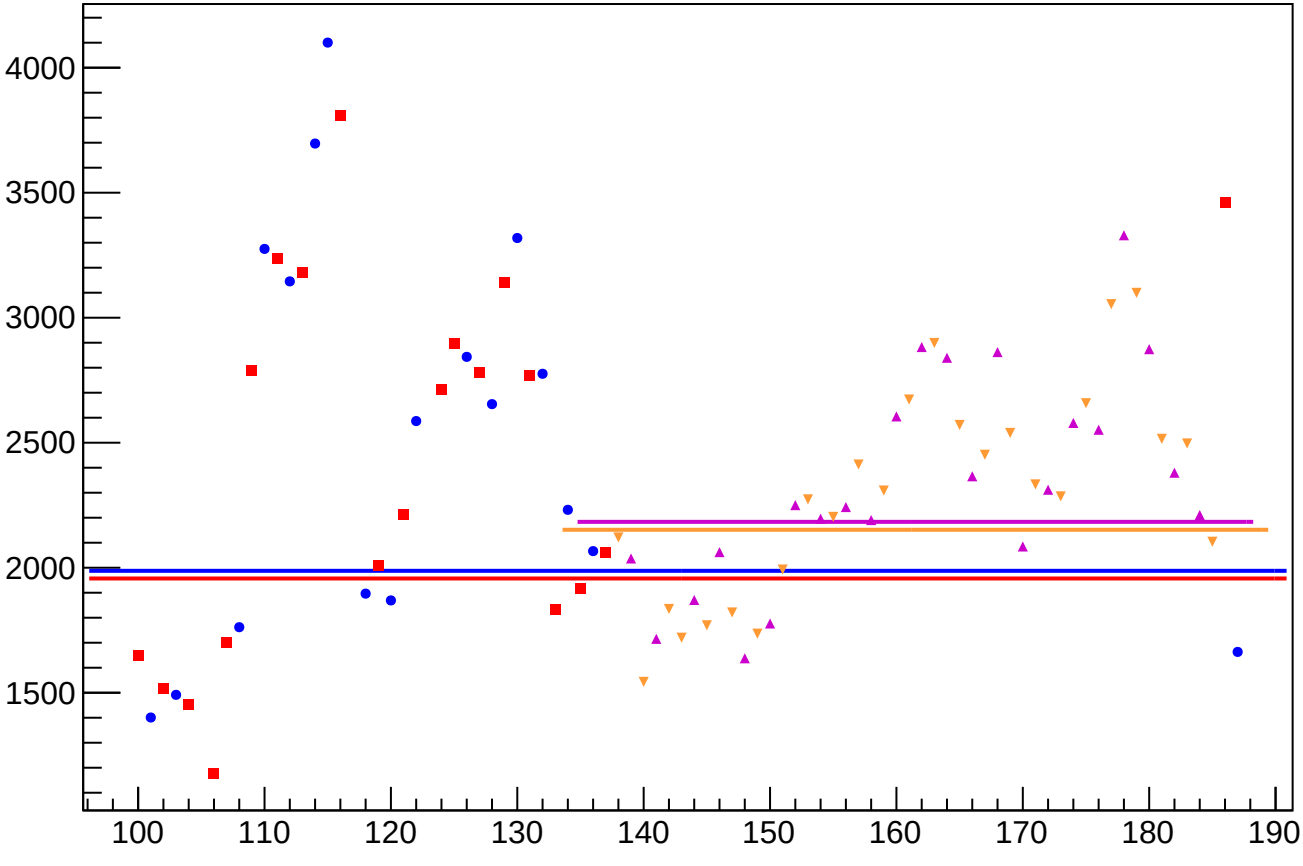
In: 10985.332+/-1.558 χ^2/NDF:1515694.1/39

Out: 10962.452+/-1.517 χ^2/NDF:1906227.2/44

All: 10973.589+/-1.087 χ^2/NDF: 3422032.0/8


diff_bpm4aediffY_mean vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
190
Right In: -1.604+/-0.763 χ²/NDF: 13.1/16
Left Out: 1.158+/-0.500 χ²/NDF:16.8/24
Right Out: -1.256+/-0.738 χ²/NDF: 25.3/19
Left In: -0.522+/-0.520 χ²/NDF:22.3/22
Left: 0.350+/-0.360 χ²/NDF: 44.6/47
Right: -1.424+/-0.530 χ²/NDF: 38.5/36
In: -0.865+/-0.430 χ²/NDF:36.7/39
Out: 0.398+/-0.414 χ²/NDF:49.5/44
All: -0.210+/-0.298 χ²/NDF: 90.7/84

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1987.608+/-0.539 χ^2/NDF: 1204720.3/16

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1956.950+/-0.522 χ^2/NDF: 1549923.1/19

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

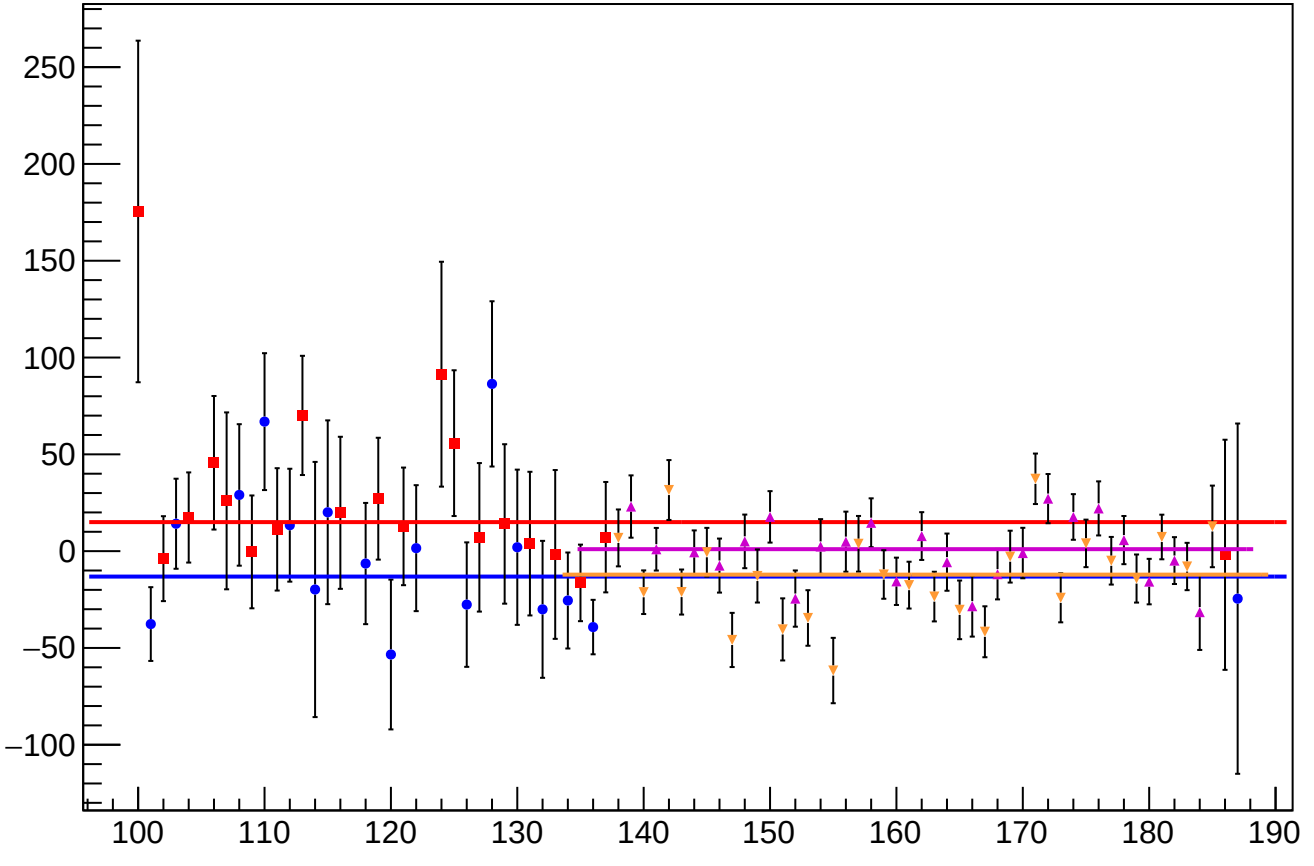
Right: 1971.777+/-0.375 χ^2/NDF: 2756312.3/36

In: 2121.343+/-0.304 χ^2/NDF:2457058.2/39

Out: 2090.452+/-0.293 χ^2/NDF:2994950.9/44

All: 2105.329+/-0.211 χ^2/NDF: 5457371.0/84

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.135+/-7.005 χ^2/NDF: 21.9/16

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 14.996+/-7.266 χ^2/NDF: 14.4/19

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

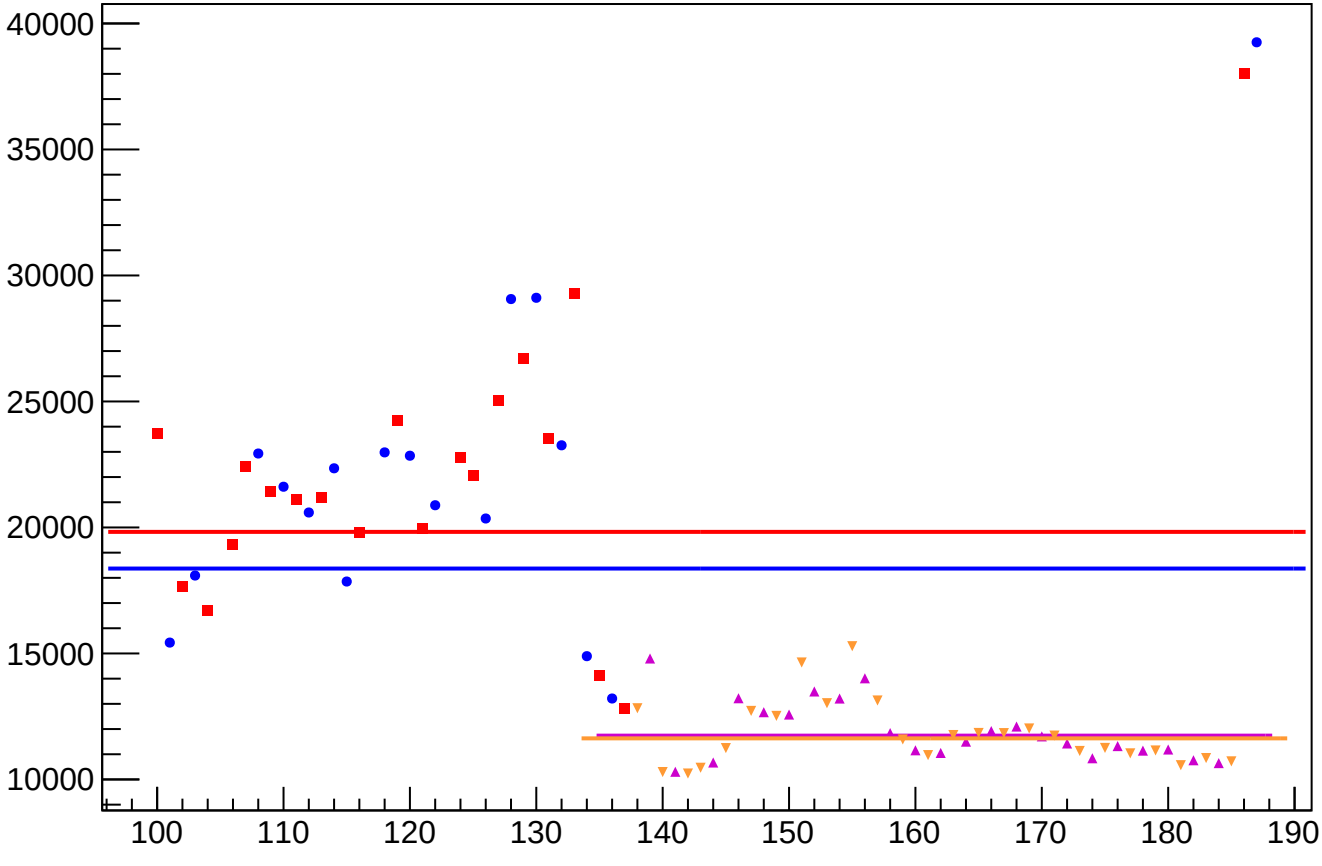
Right: 0.418+/-5.043 χ^2/NDF: 44.1/36

In: -0.876+/-2.566 χ^2/NDF:54.2/39

Out: -8.926+/-2.499 χ^2/NDF:89.4/44

All: -5.007+/-1.790 χ^2/NDF: 148.6/84

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18369.336+/-4.953 χ^2/NDF: 927065.8/16

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 19824.616+/-5.138 χ^2/NDF: 812168.2/19

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

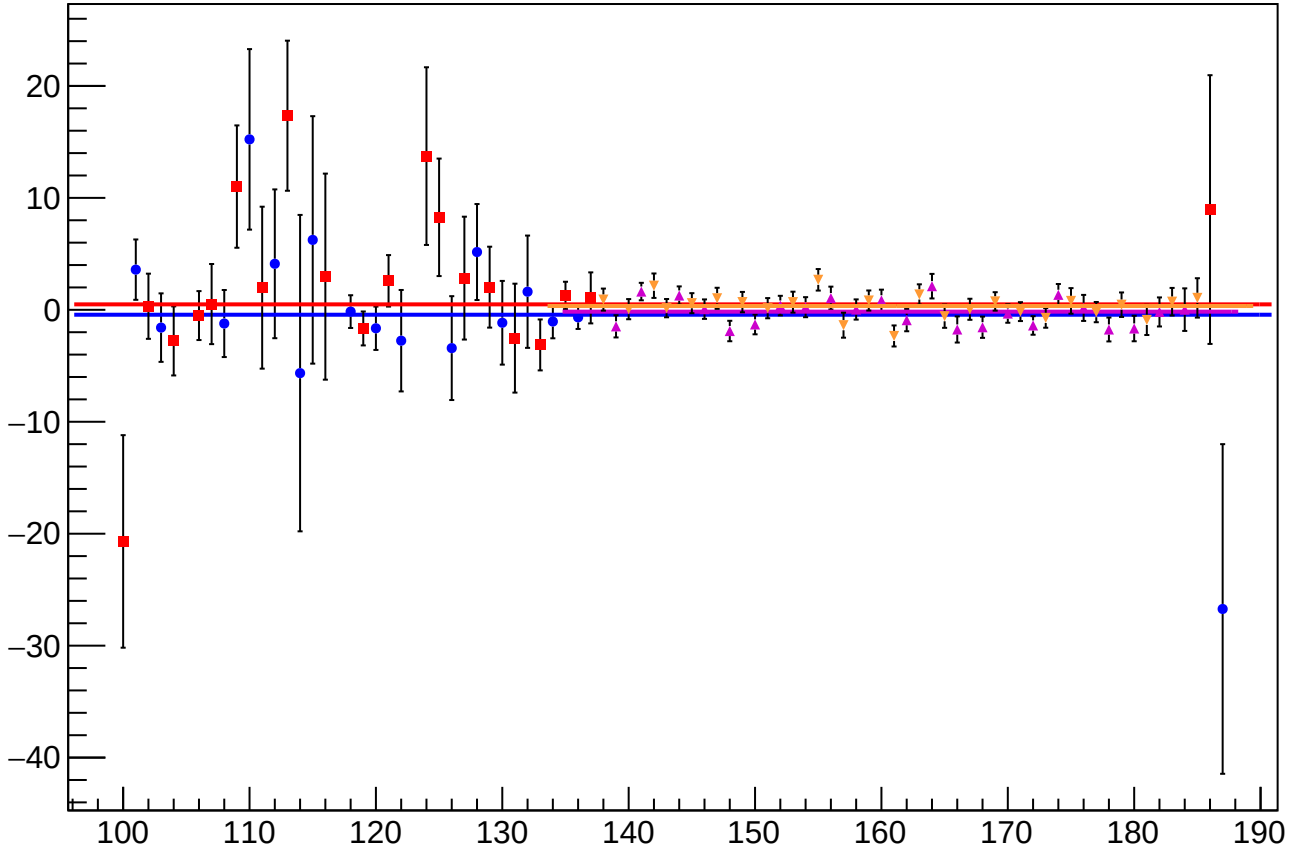
Right: 19070.423+/-3.566 χ^2/NDF: 1780815.2/36

In: 12628.004+/-1.814 χ^2/NDF:2792165.3/39

Out: 12599.390+/-1.767 χ^2/NDF:3411232.7/44

All: 12613.318+/-1.266 χ^2/NDF: 6203525.7/8

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.438+/-0.600 χ^2/NDF: 13.6/16

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.488+/-0.633 χ^2/NDF: 28.5/19

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

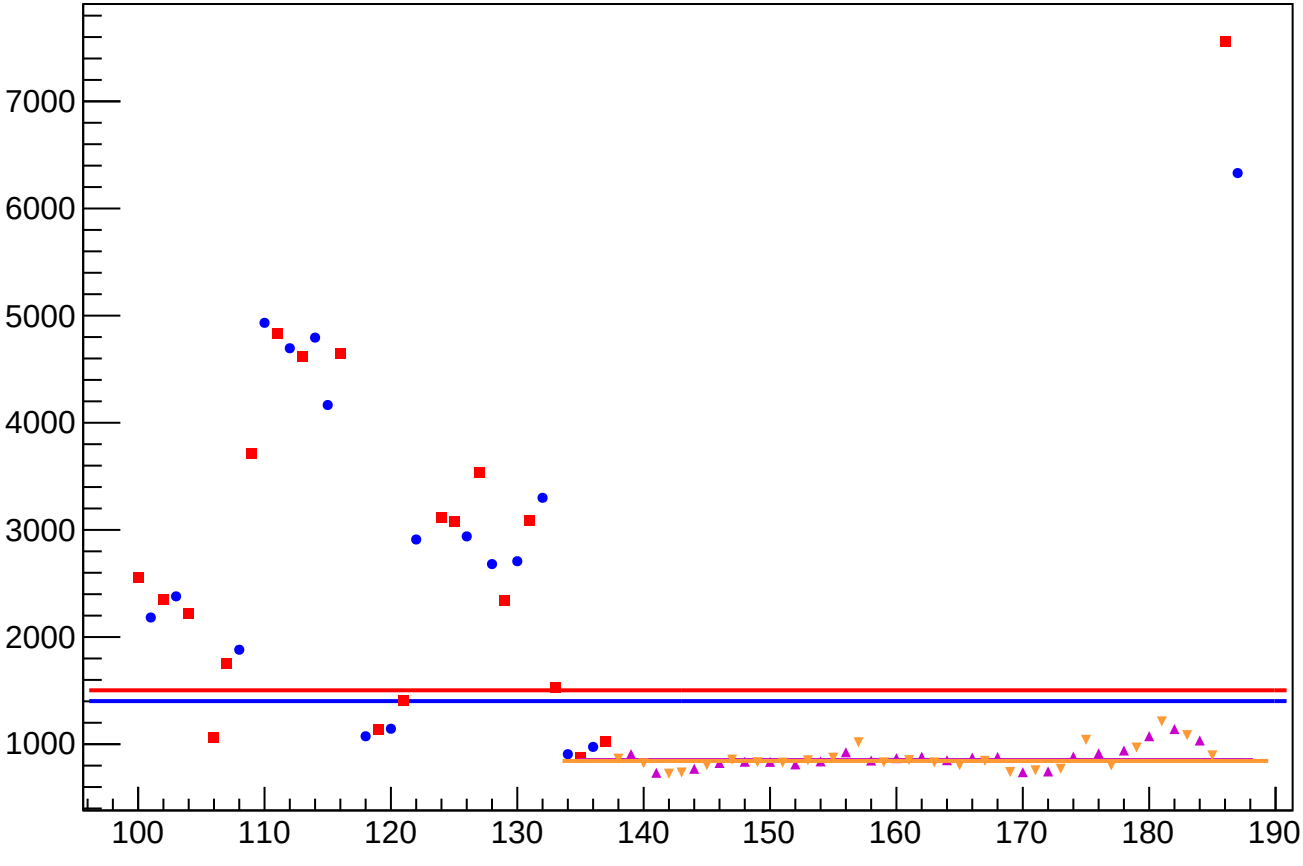
Right: -0.000+/-0.435 χ^2/NDF: 43.3/36

In: -0.193+/-0.190 χ^2/NDF:50.1/39

Out: 0.355+/-0.185 χ^2/NDF:55.4/44

All: 0.089+/-0.133 χ^2/NDF: 109.7/84

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1402.100+/-0.424 χ^2/NDF: 3605474.1/16

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1502.887+/-0.448 χ^2/NDF: 3909166.8/19

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

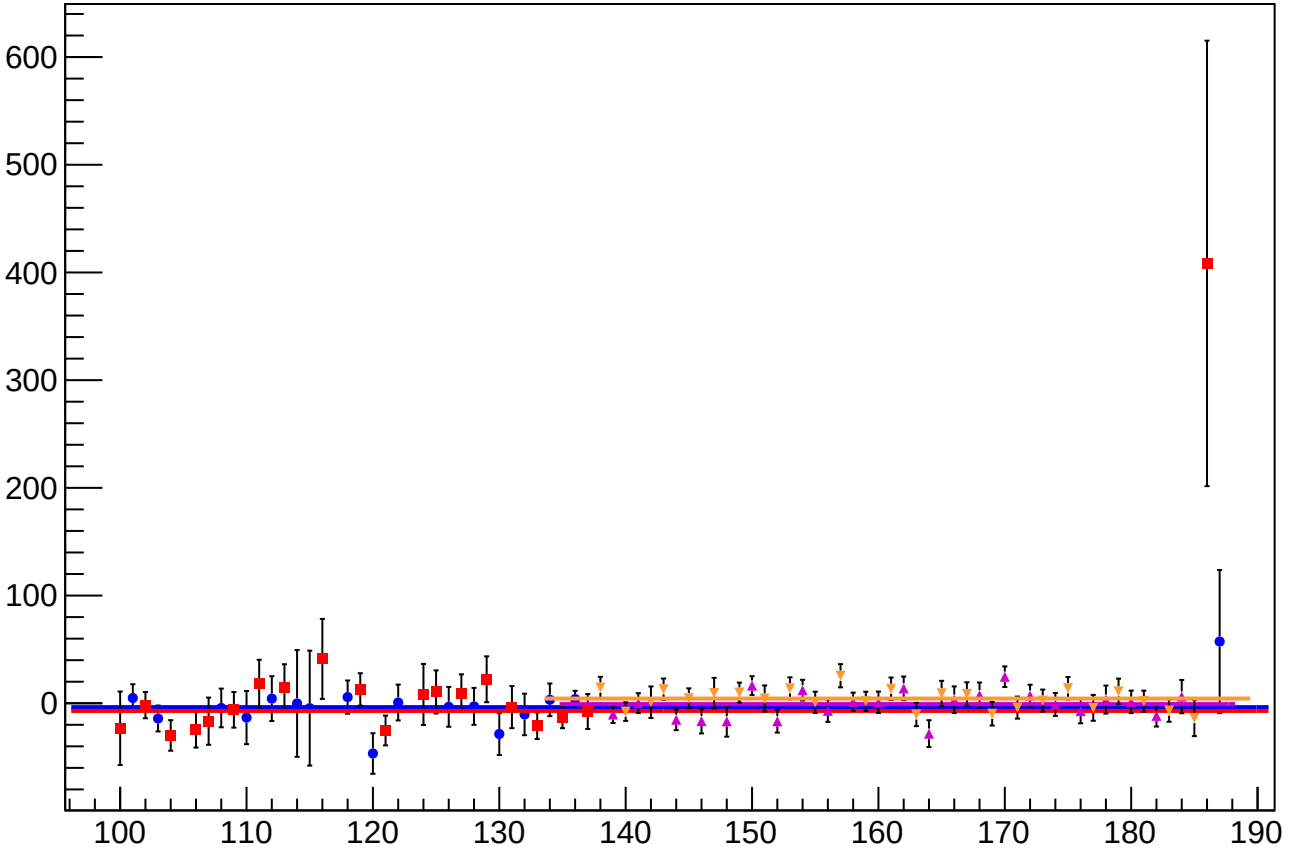
Right: 1449.766+/-0.308 χ^2/NDF: 7541362.8/36

In: 907.158+/-0.135 χ^2/NDF:5503523.2/39

Out: 899.770+/-0.131 χ^2/NDF:6399852.9/44

All: 903.362+/-0.094 χ^2/NDF: 11904921.9/84

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.580+/-3.936 χ^2/NDF: 10.9/16

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -7.123+/-3.806 χ^2/NDF: 21.3/19

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

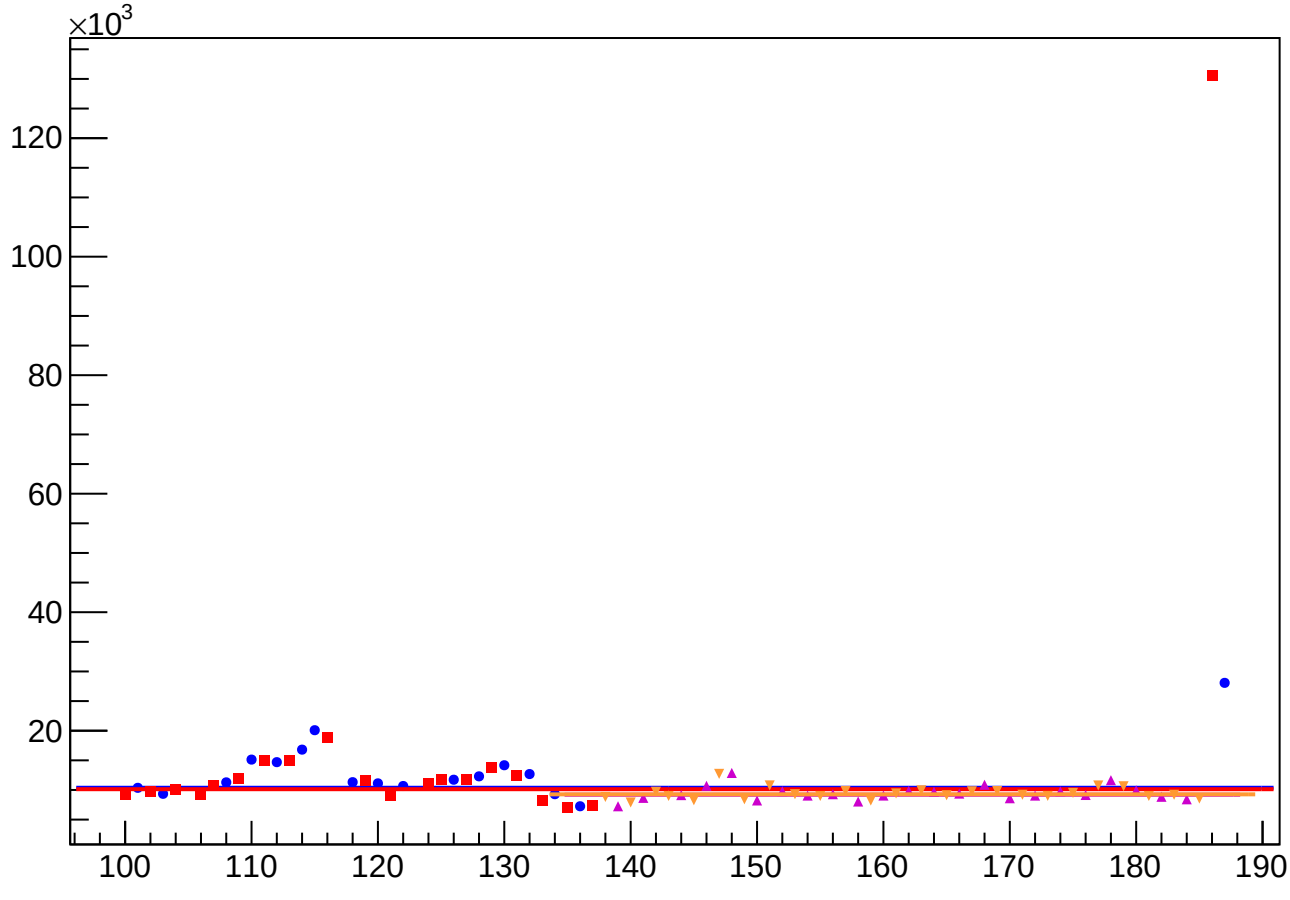
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -5.411+/-2.736 χ^2/NDF: 32.6/36

In: -1.398+/-1.901 χ^2/NDF:43.3/39

Out: 1.655+/-1.853 χ^2/NDF:46.9/44

All: 0.168+/-1.327 χ^2/NDF: 91.5/84



Right In: 10372.341+/-2.783 χ^2/NDF: 913076.2/16

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 10130.396+/-2.691 χ^2/NDF: 1471337.7/19

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

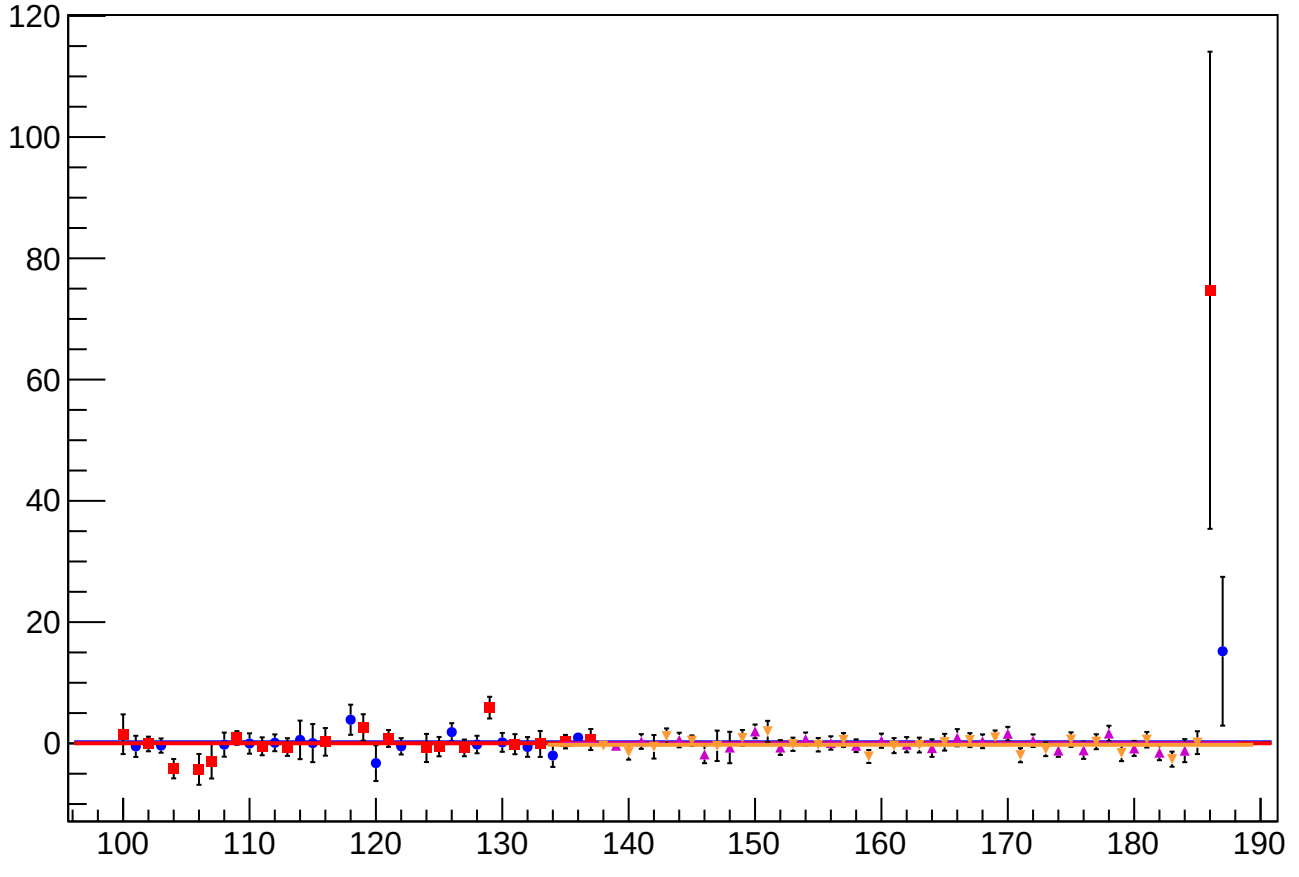
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 10247.312+/-1.935 χ^2/NDF: 2388318.7/36

In: 9473.023+/-1.344 χ^2/NDF:1564723.8/39

Out: 9467.501+/-1.310 χ^2/NDF:1916918.9/44

All: 9470.192+/-0.938 χ^2/NDF: 3481651.3/84



Right In: 0.180+/-0.386 χ^2/NDF: 9.6/16

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.024+/-0.372 χ^2/NDF: 28.8/19

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

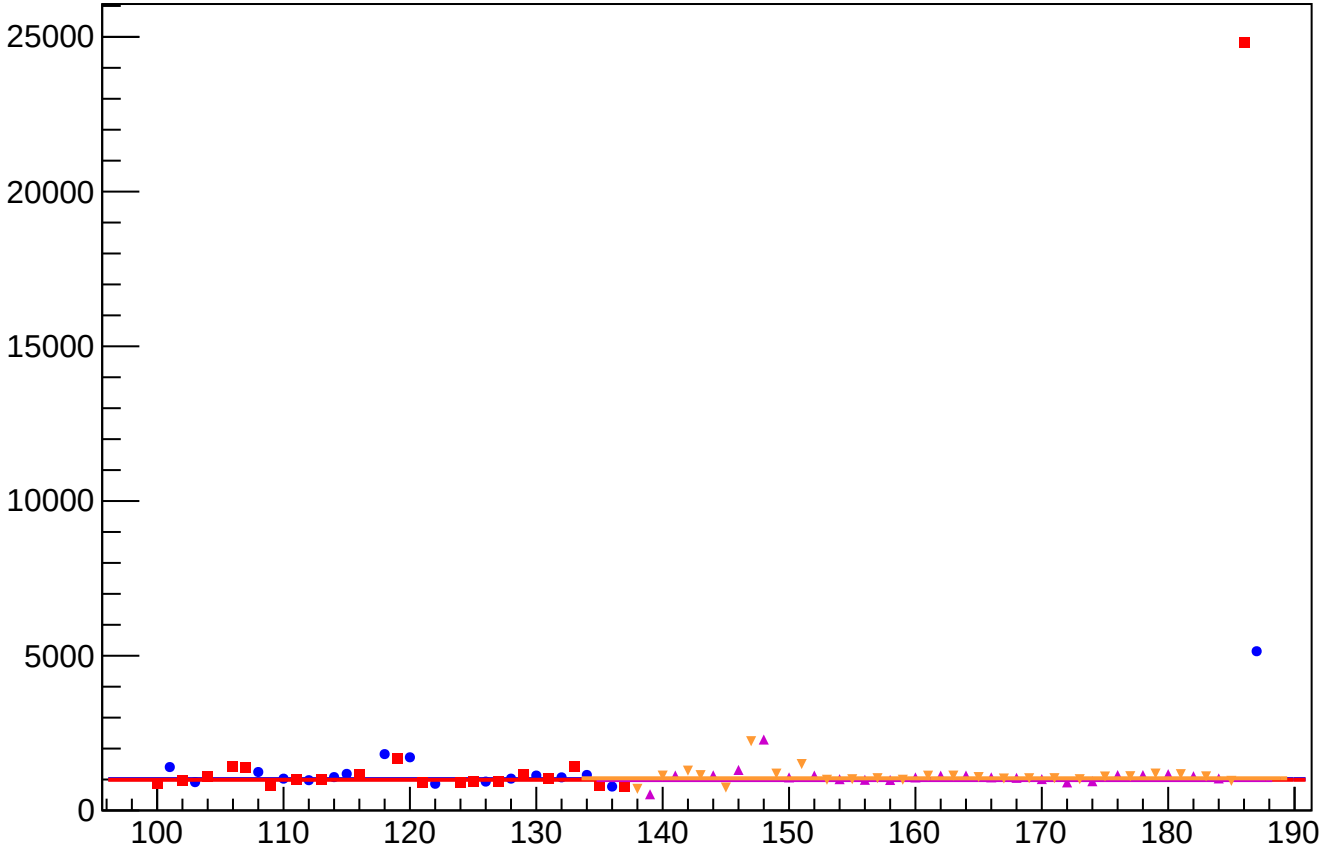
Right: 0.099+/-0.268 χ^2/NDF: 38.5/36

In: 0.032+/-0.203 χ^2/NDF:25.1/39

Out: -0.154+/-0.204 χ^2/NDF:48.1/44

All: -0.061+/-0.144 χ^2/NDF: 73.5/84

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1013.318+/-0.273 χ^2/NDF: 926400.7/16

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 991.379+/-0.263 χ^2/NDF: 1309305.0/19

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

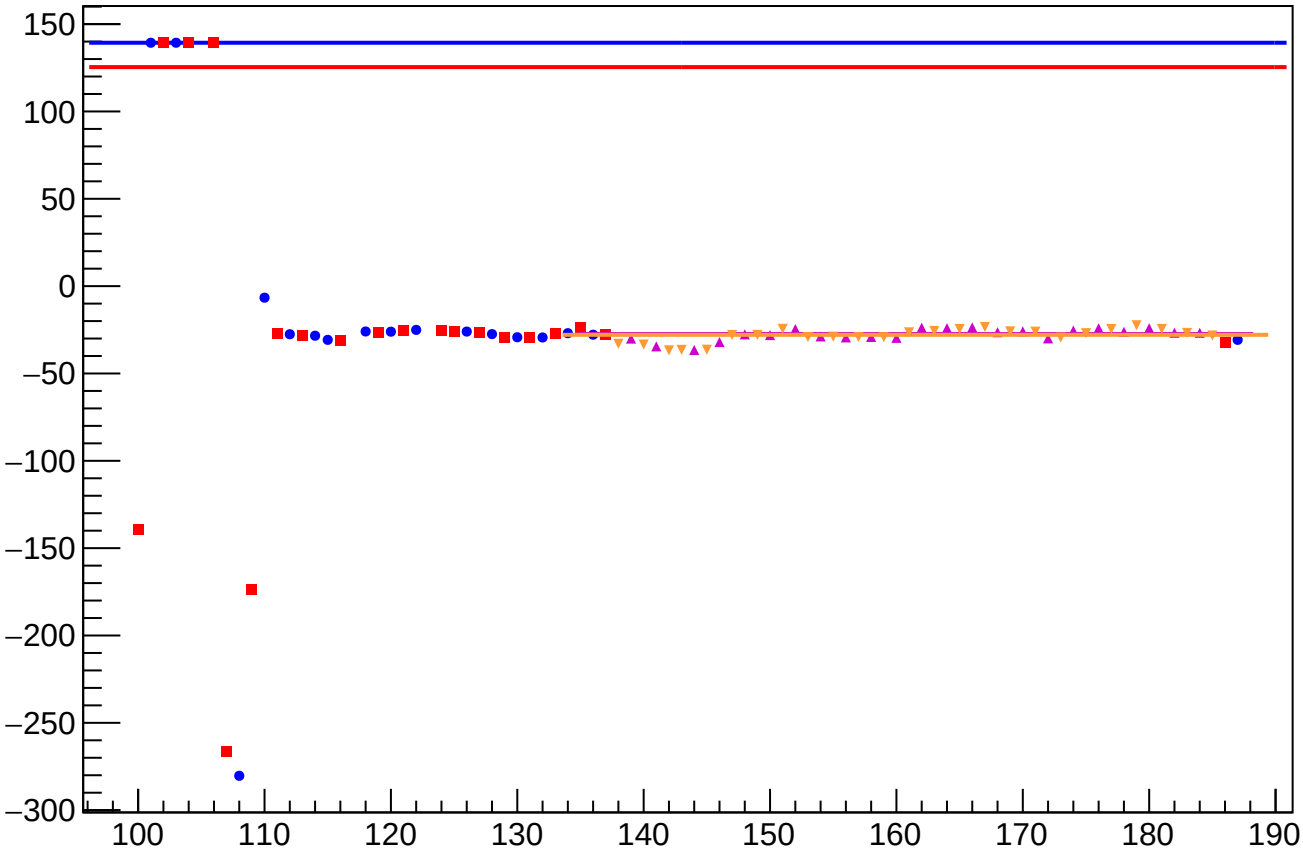
Right: 1001.946+/-0.189 χ^2/NDF: 2239052.7/36

In: 990.447+/-0.144 χ^2/NDF:3161203.0/39

Out: 1025.032+/-0.144 χ^2/NDF:2672395.8/44

All: 1007.703+/-0.102 χ^2/NDF: 5862481.8/84

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47418693499.1/16

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774174001205560.9/19

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

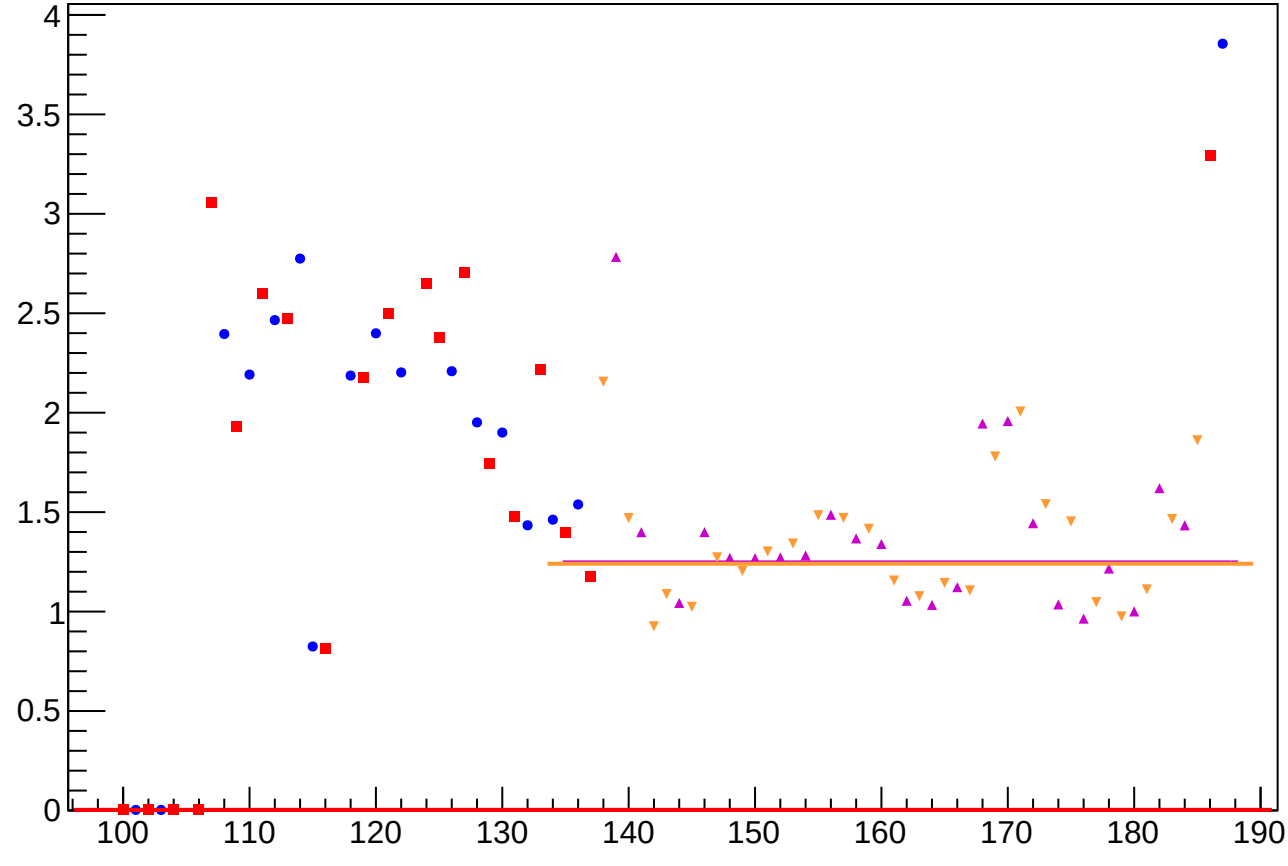
Right: 131.818+/-0.000 χ^2/NDF: 793006256126268

In: 139.328+/-0.000 χ^2/NDF:301818539872.2/39

Out: 125.385+/-0.000 χ^2/NDF:774404690304584.

All: 131.810+/-0.000 χ^2/NDF: 793488670655

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9905001.9/16

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10498573.8/19

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 20403755.5/36

In: 0.003+/-0.000 χ^2/NDF:39670755.3/39

Out: 0.003+/-0.000 χ^2/NDF:41798939.3/44

All: 0.003+/-0.000 χ^2/NDF: 81469945.9/84

yield_cav4bY_mean vs Slug, Sign Corrected

Right In: 140.143+/-0.000 χ^2/NDF: 188323893433.1/16

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.224+/-0.000 χ^2/NDF: 1257402033372511.8/19

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

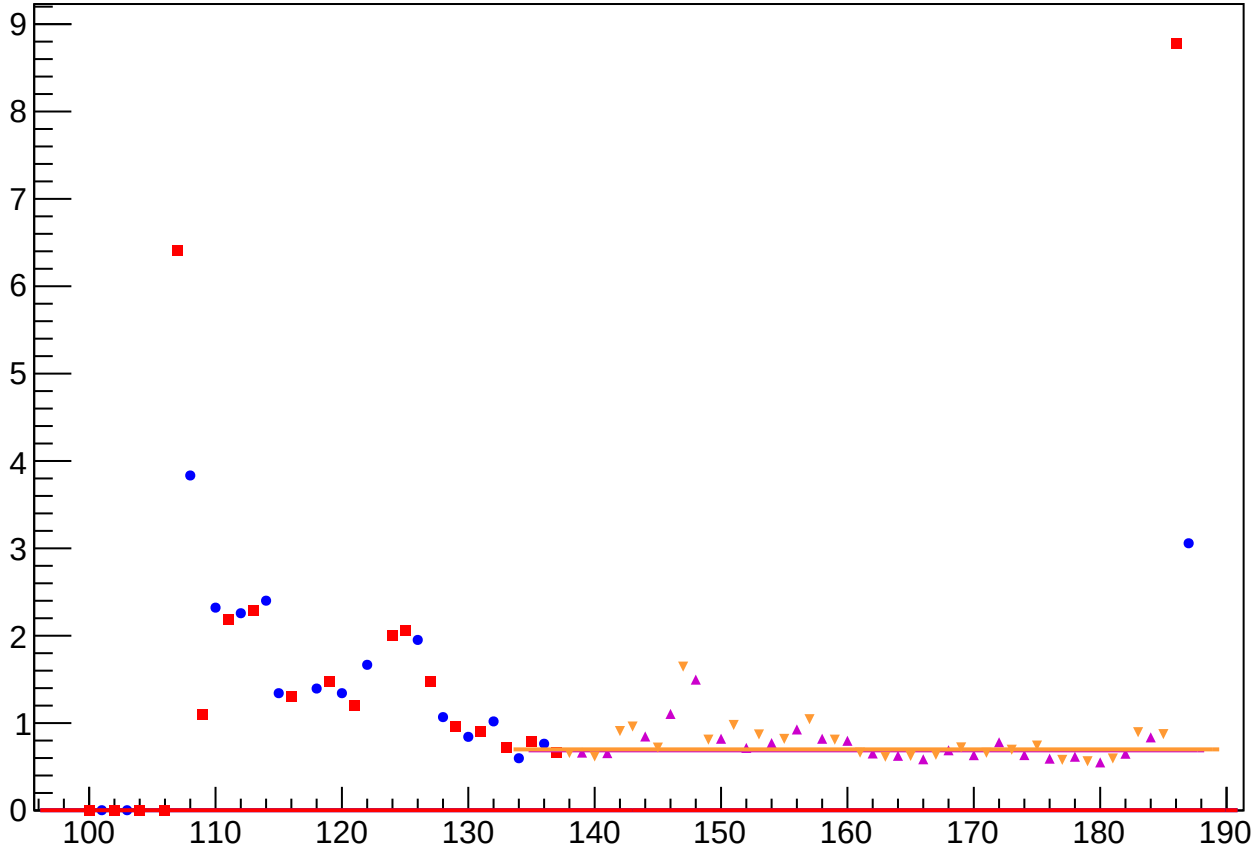
Right: 120.832+/-0.000 χ^2/NDF: 138089659860235

In: 140.107+/-0.000 χ^2/NDF:1463928127649.4/39

Out: 104.198+/-0.000 χ^2/NDF:1258273689183293

All: 120.801+/-0.000 χ^2/NDF: 13829947881

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10941922.3/16

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11051642.8/19

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

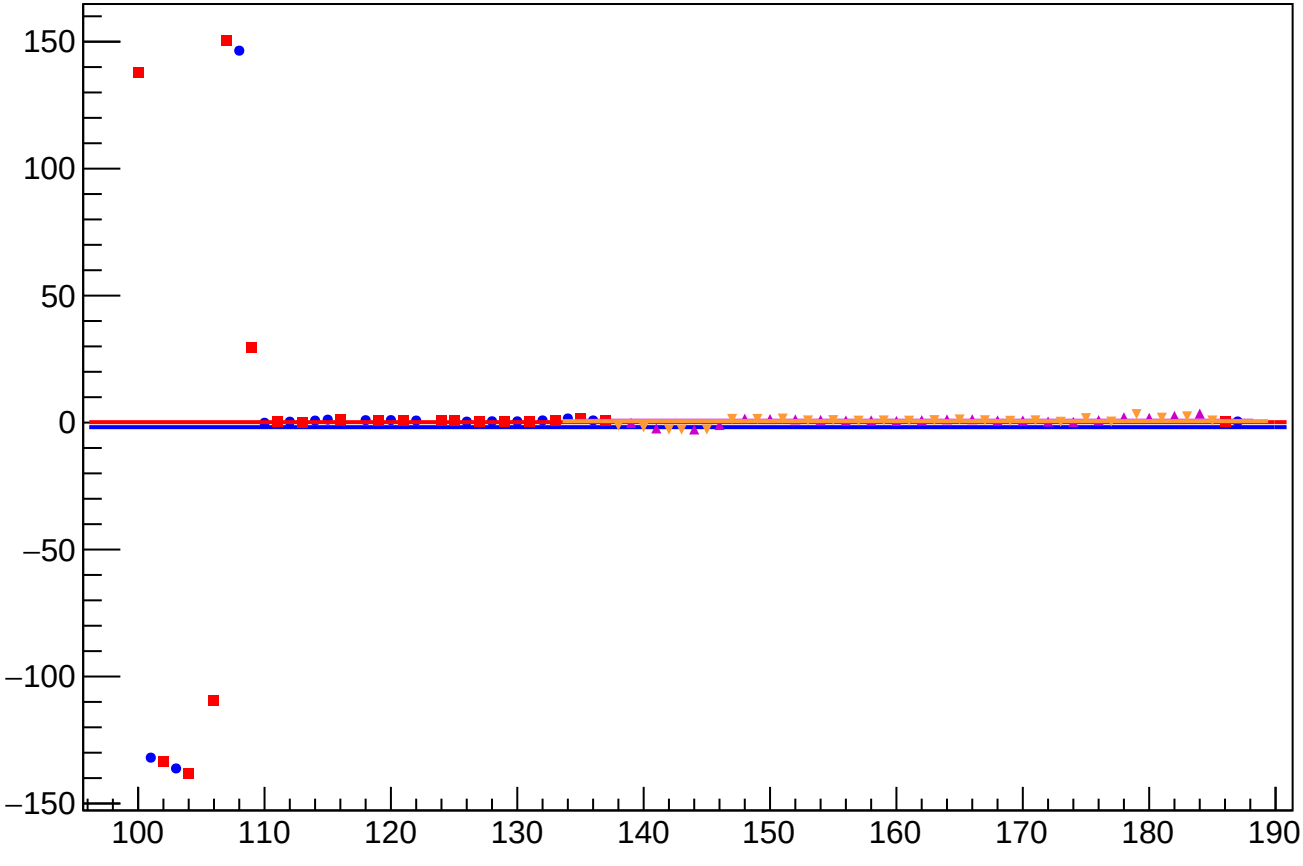
Right: 0.003+/-0.000 χ^2/NDF: 21993773.3/36

In: 0.003+/-0.000 χ^2/NDF:42248793.4/39

Out: 0.003+/-0.000 χ^2/NDF:44109807.3/44

All: 0.003+/-0.000 χ^2/NDF: 86359020.3/84

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.804+/-0.000 χ^2/NDF: 9887686836.5/16

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.168+/-0.000 χ^2/NDF: 3611251987.1/19

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

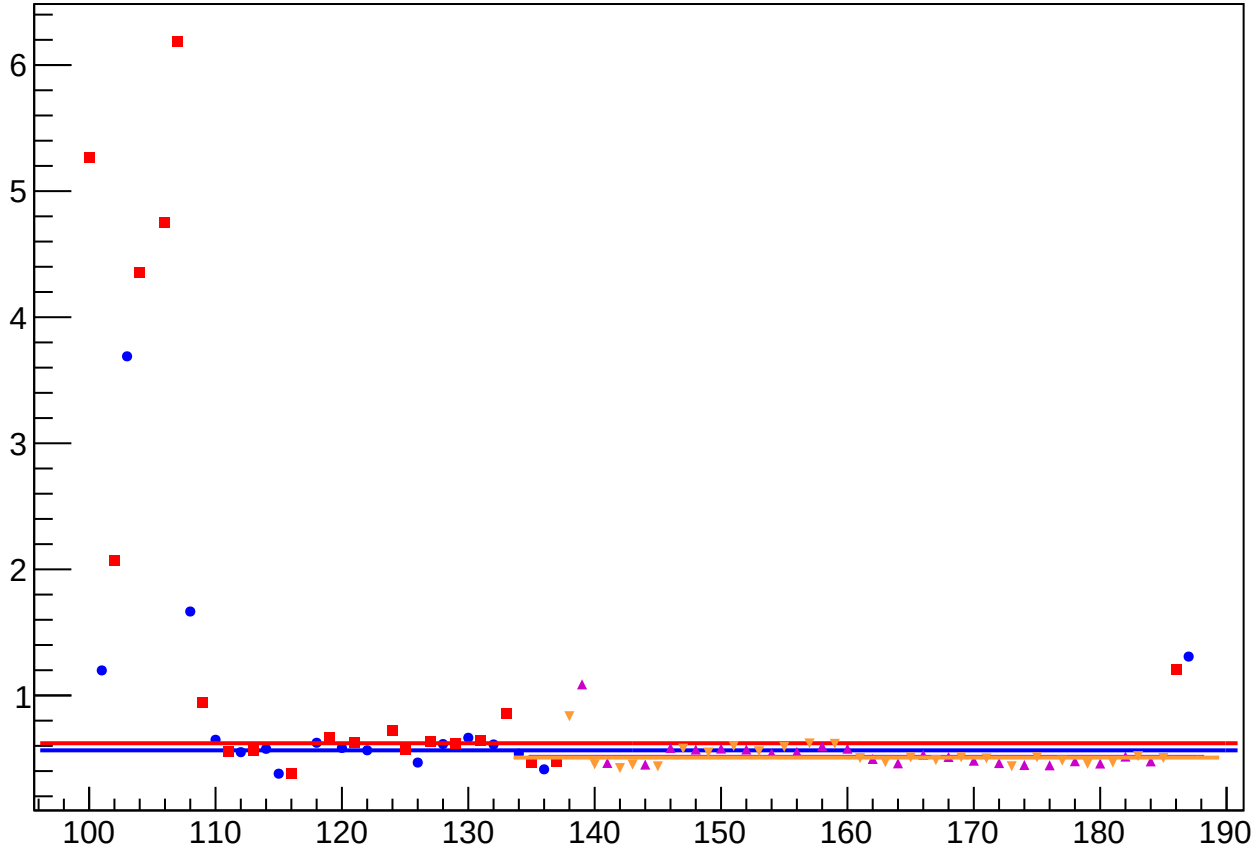
Right: -0.903+/-0.000 χ^2/NDF: 13527760215.1/36

In: 0.163+/-0.000 χ^2/NDF:10073770862.1/39

Out: 0.500+/-0.000 χ^2/NDF:3767462617.8/44

All: 0.334+/-0.000 χ^2/NDF: 13845416716.3/8

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.564+/-0.000 χ^2/NDF: 1711187.4/16

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.621+/-0.000 χ^2/NDF: 2658549.2/19

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

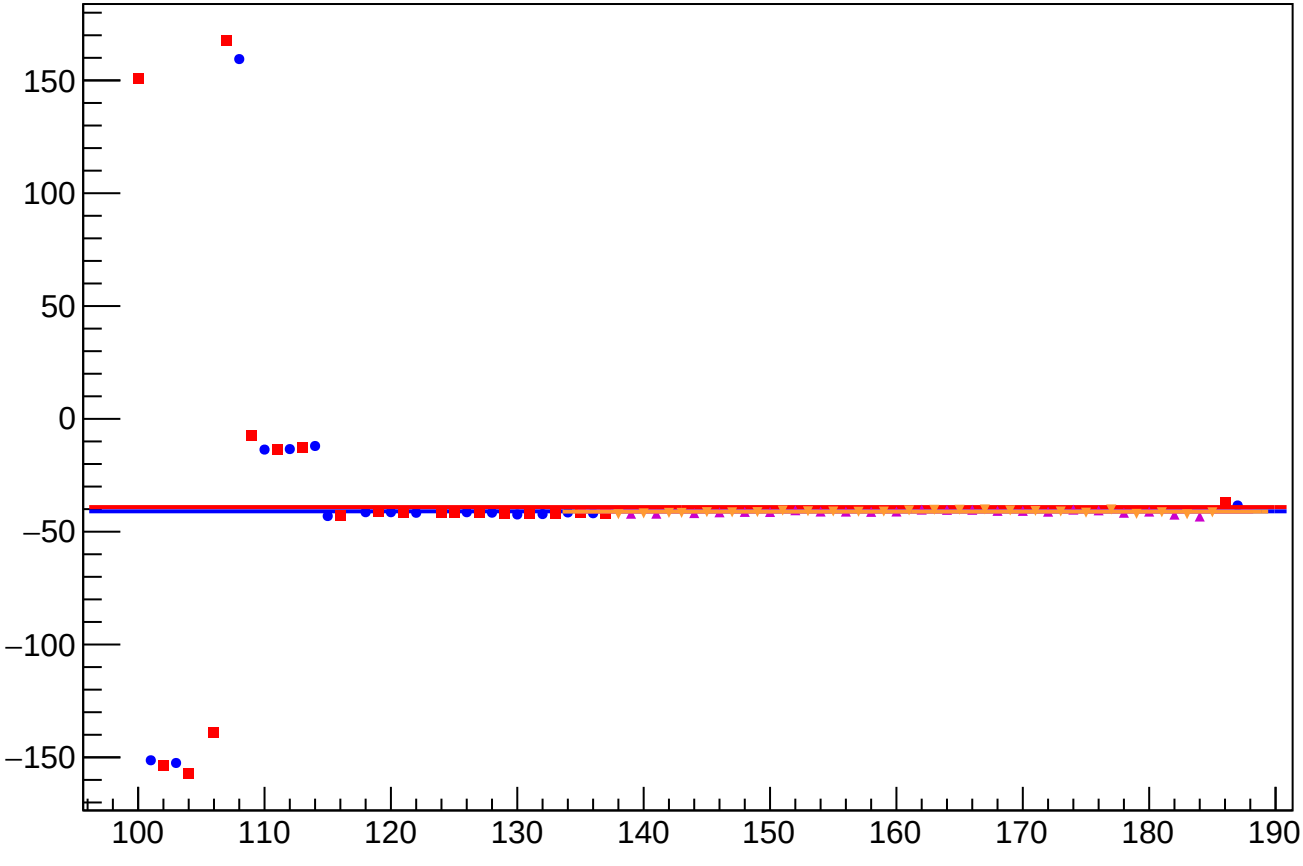
Right: 0.590+/-0.000 χ^2/NDF: 4416742.4/36

In: 0.524+/-0.000 χ^2/NDF:2531844.1/39

Out: 0.528+/-0.000 χ^2/NDF:3501720.7/44

All: 0.526+/-0.000 χ^2/NDF: 6034438.4/84

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.966+/-0.000 χ^2/NDF: 3450639244.5/16

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -39.096+/-0.000 χ^2/NDF: 2480294329.2/19

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

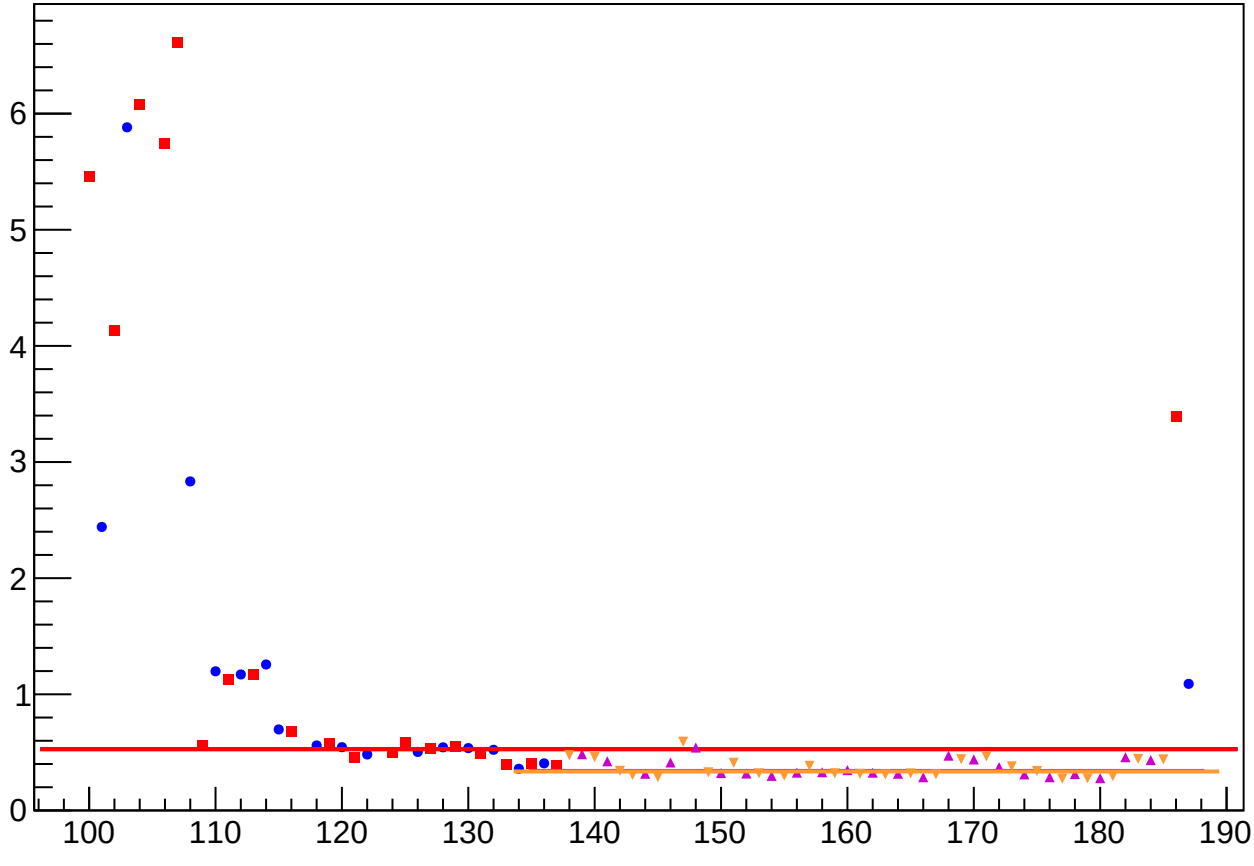
Right: -40.048+/-0.000 χ^2/NDF: 5962832260.0/36

In: -41.022+/-0.000 χ^2/NDF:3502088182.0/39

Out: -40.888+/-0.000 χ^2/NDF:2604670232.2/44

All: -40.953+/-0.000 χ^2/NDF: 6108276926.2/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.527+/-0.000 χ^2/NDF: 3046195.7/16

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.529+/-0.000 χ^2/NDF: 3811515.1/19

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

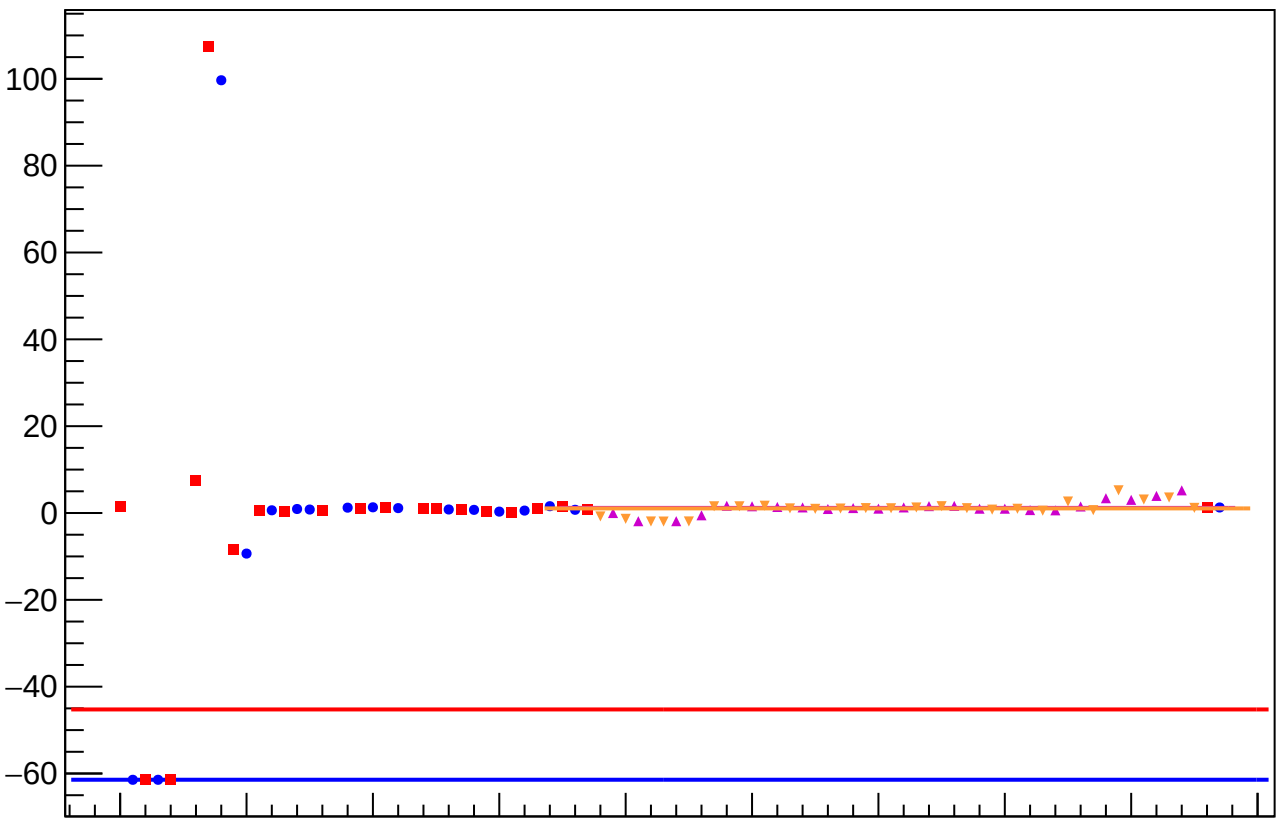
Right: 0.528+/-0.000 χ^2/NDF: 6857841.2/36

In: 0.361+/-0.000 χ^2/NDF:5257704.7/39

Out: 0.355+/-0.000 χ^2/NDF:6257774.3/44

All: 0.358+/-0.000 χ^2/NDF: 11521511.3/84

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 274033836672.5/16

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357871058356686.9/19

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

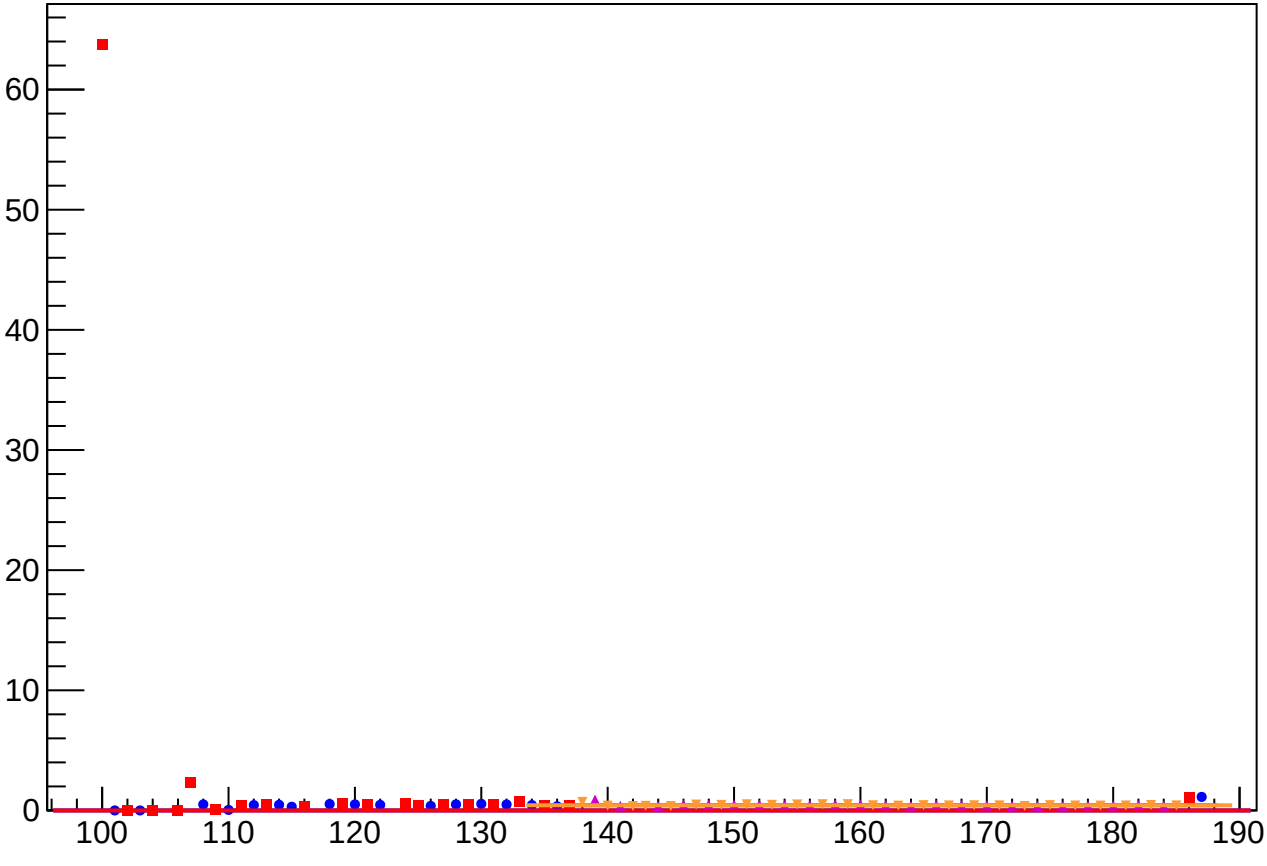
Right: -52.749+/-0.000 χ^2/NDF: 409123301912100

In: -61.423+/-0.000 χ^2/NDF:576900624966.1/39

Out: -45.236+/-0.000 χ^2/NDF:358052342403202.8

All: -52.738+/-0.000 χ^2/NDF: 409592718243

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9503316.0/16

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10106296.0/19

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

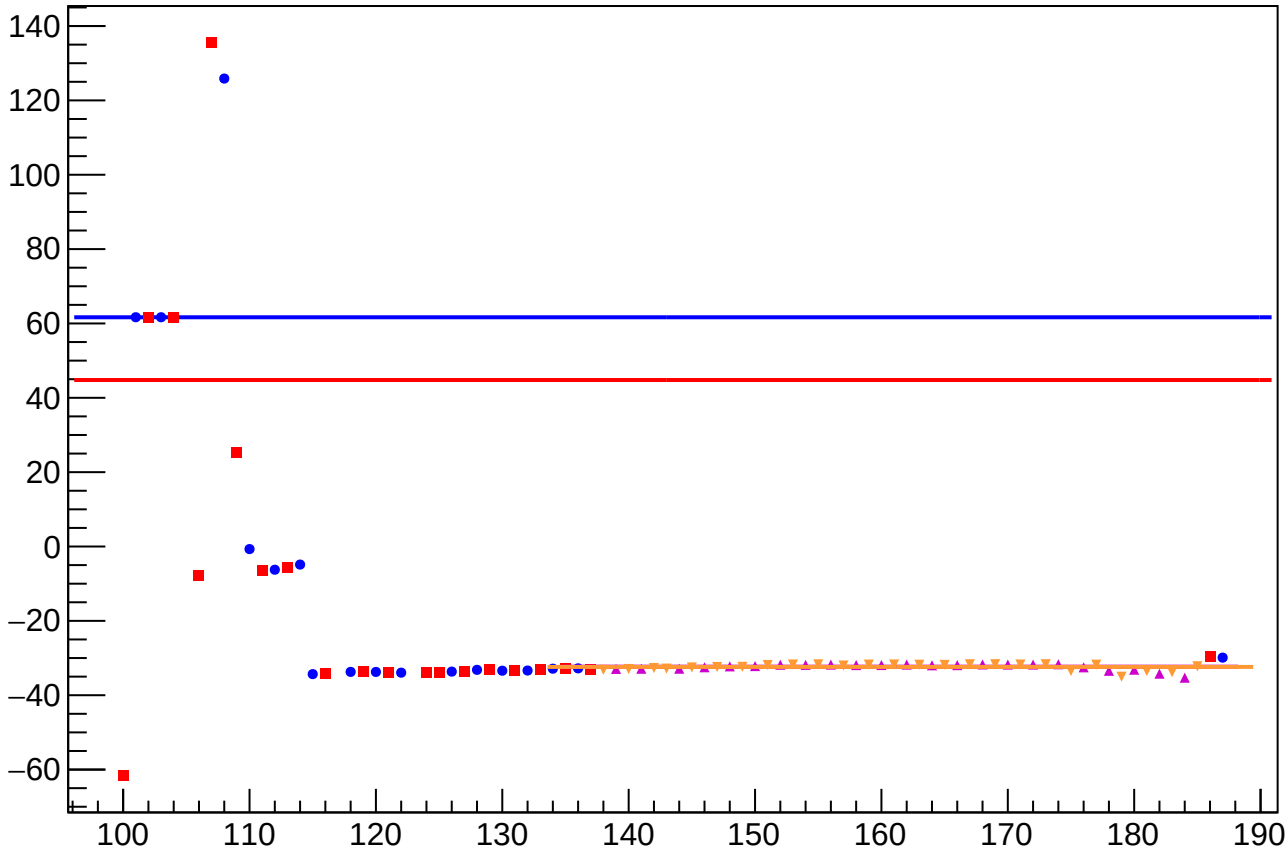
Right: 0.001+/-0.000 χ^2/NDF: 19609613.5/36

In: 0.002+/-0.000 χ^2/NDF:39645420.3/39

Out: 0.002+/-0.000 χ^2/NDF:41873269.2/44

All: 0.002+/-0.000 χ^2/NDF: 81518717.1/84

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 371329689584.4/16

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.786+/-0.000 χ^2/NDF: 3660950278087 49.8/19

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

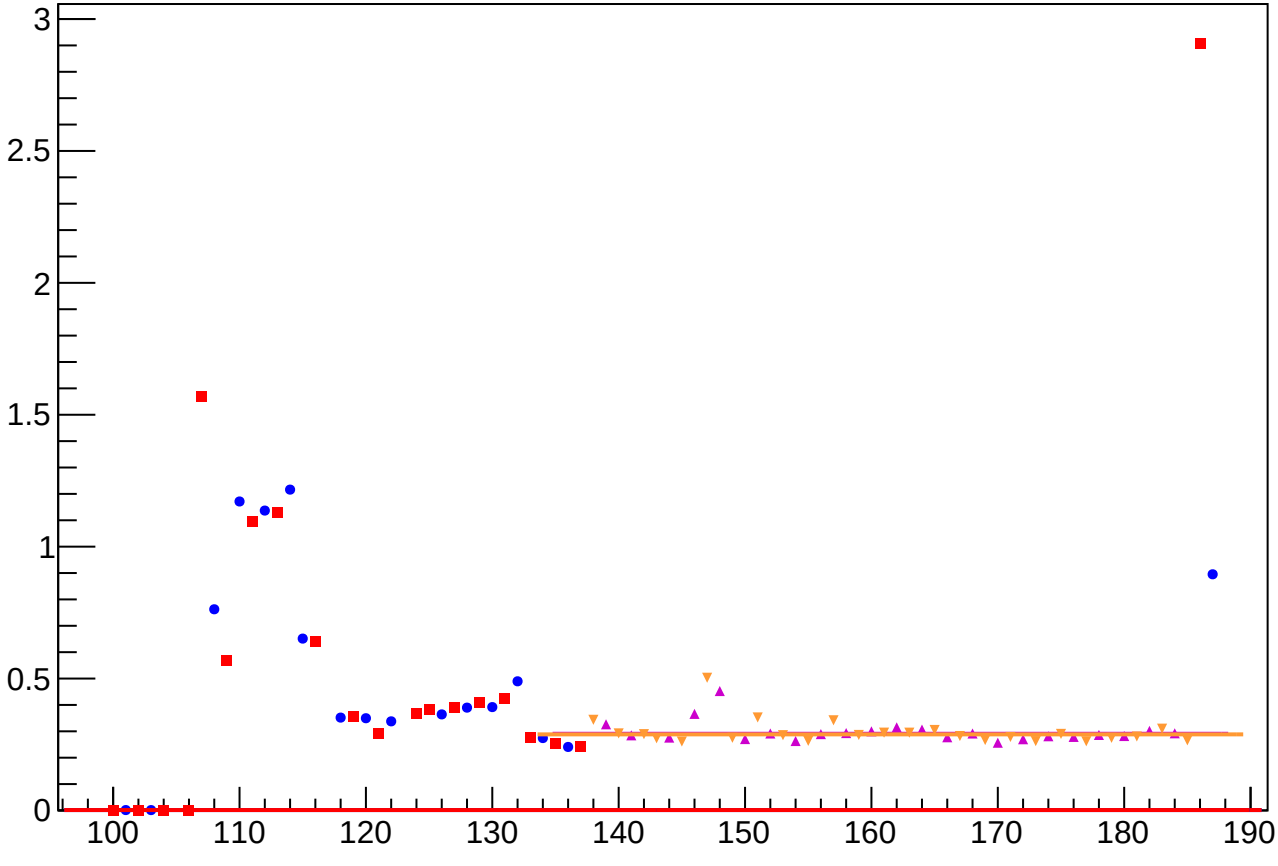
Right: 52.689+/-0.000 χ^2/NDF: 417569905625268.5

In: 61.604+/-0.000 χ^2/NDF:2195206017497.6/39

Out: 44.741+/-0.000 χ^2/NDF:367413622120311.4

All: 52.638+/-0.000 χ^2/NDF: 420664615489

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11380347.4/16

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11323228.6/19

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

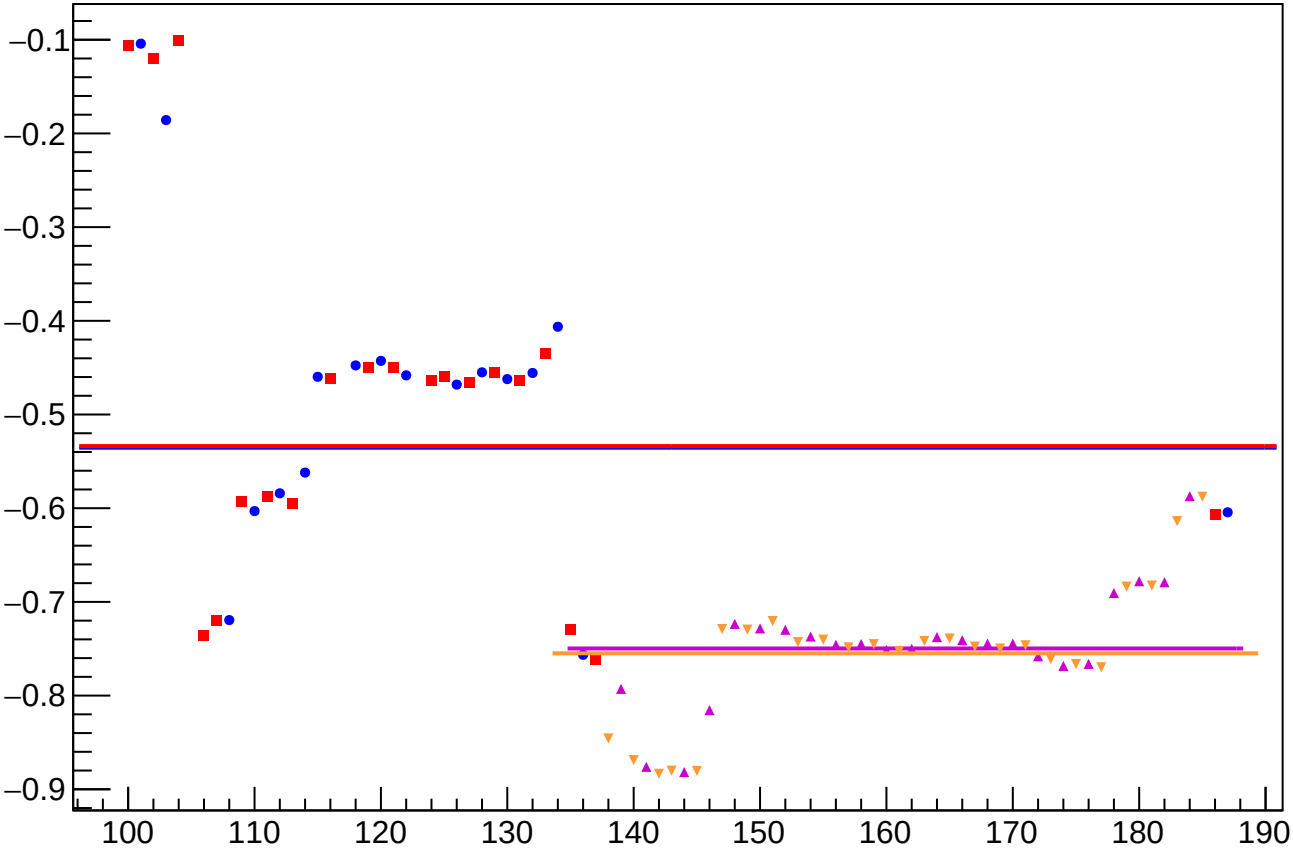
Right: 0.002+/-0.000 χ^2/NDF: 22703700.7/36

In: 0.002+/-0.000 χ^2/NDF:46290581.0/39

Out: 0.002+/-0.000 χ^2/NDF:48284550.1/44

All: 0.002+/-0.000 χ^2/NDF: 94575151.2/84

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 301172114.2/16

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.534+/-0.000 χ^2/NDF: 215125438.6/19

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

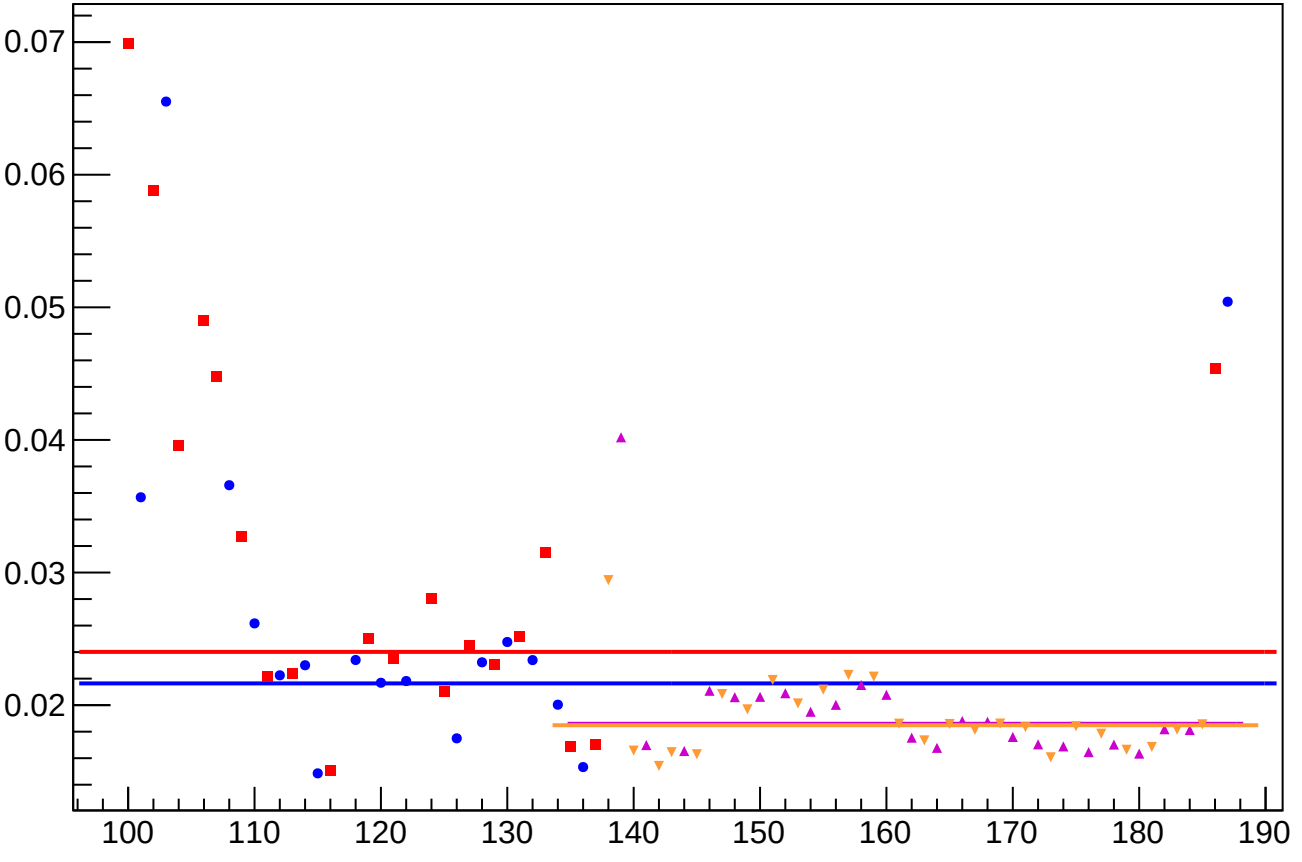
Right: -0.535+/-0.000 χ^2/NDF: 516313423.2/36

In: -0.703+/-0.000 χ^2/NDF:863213231.5/39

Out: -0.715+/-0.000 χ^2/NDF:835014350.7/44

All: -0.709+/-0.000 χ^2/NDF: 1701649638.7/8

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 1267466.7/16

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.024+/-0.000 χ^2/NDF: 1448108.0/19

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

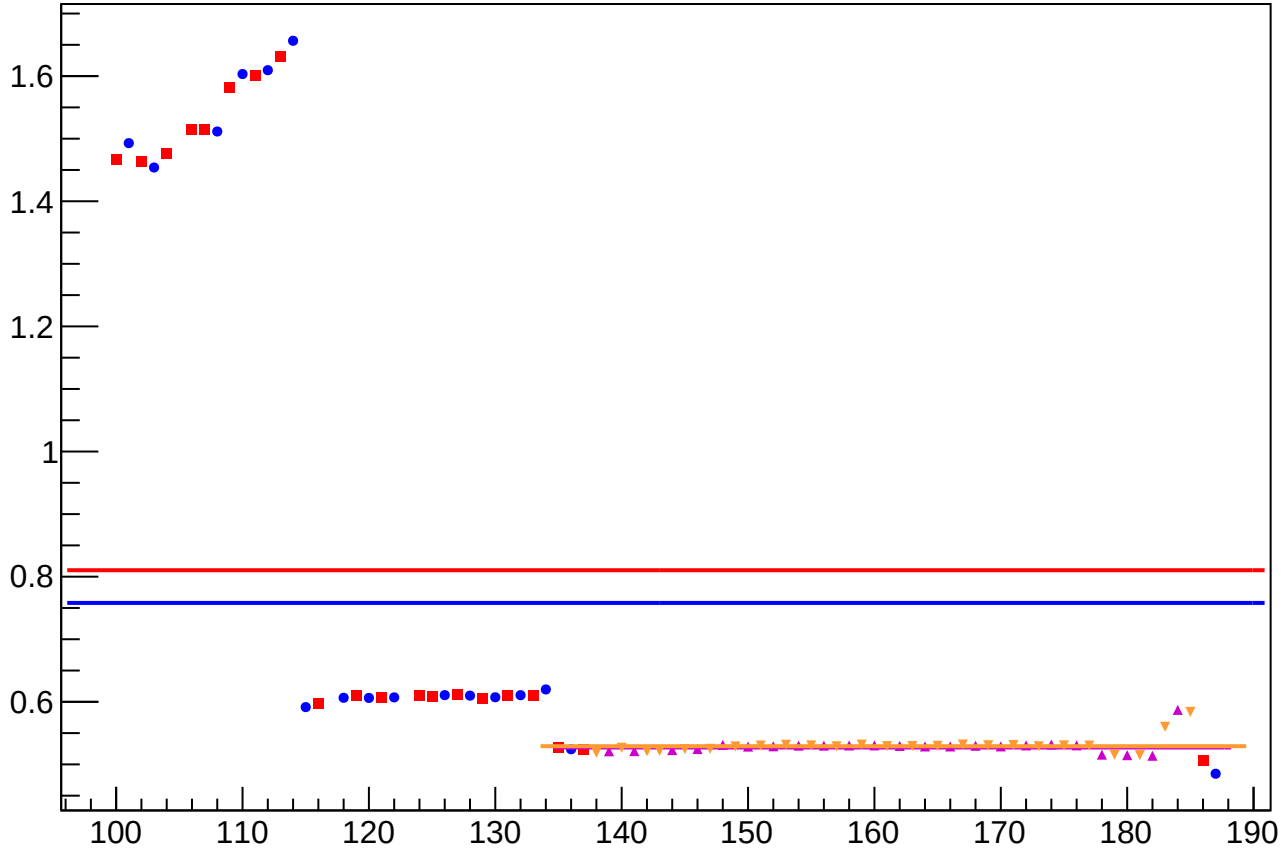
Right: 0.023+/-0.000 χ^2/NDF: 2777076.4/36

In: 0.019+/-0.000 χ^2/NDF:2176756.5/39

Out: 0.019+/-0.000 χ^2/NDF:2449283.6/44

All: 0.019+/-0.000 χ^2/NDF: 4629220.0/84

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.758+/-0.000 χ^2/NDF: 4309819084.1/16

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.810+/-0.000 χ^2/NDF: 4770809767.9/19

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

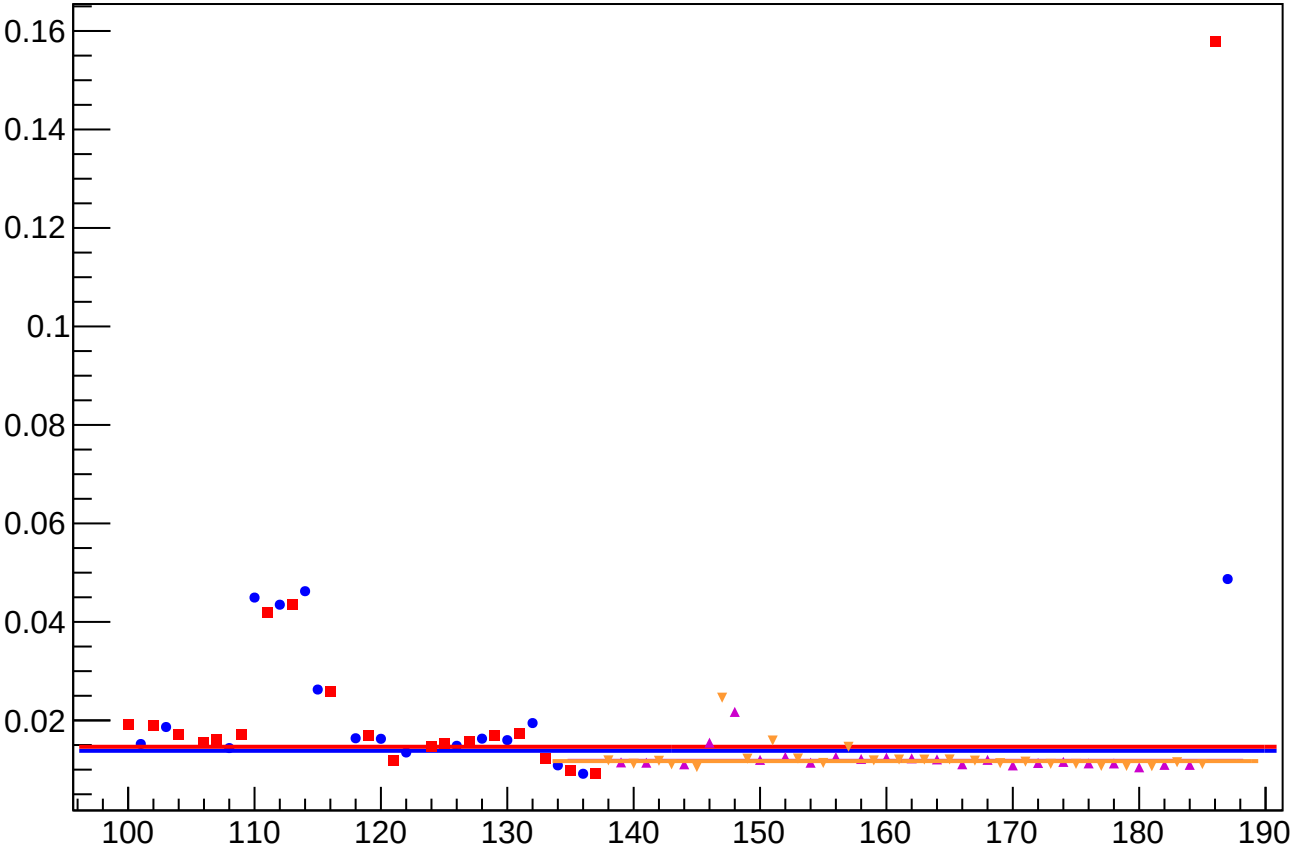
Right: 0.783+/-0.000 χ^2/NDF: 9122188433.4/36

In: 0.573+/-0.000 χ^2/NDF:5672716238.4/39

Out: 0.579+/-0.000 χ^2/NDF:6694980660.2/44

All: 0.576+/-0.000 χ^2/NDF: 12370862118.2/8

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1834221.1/16

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2085339.5/19

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

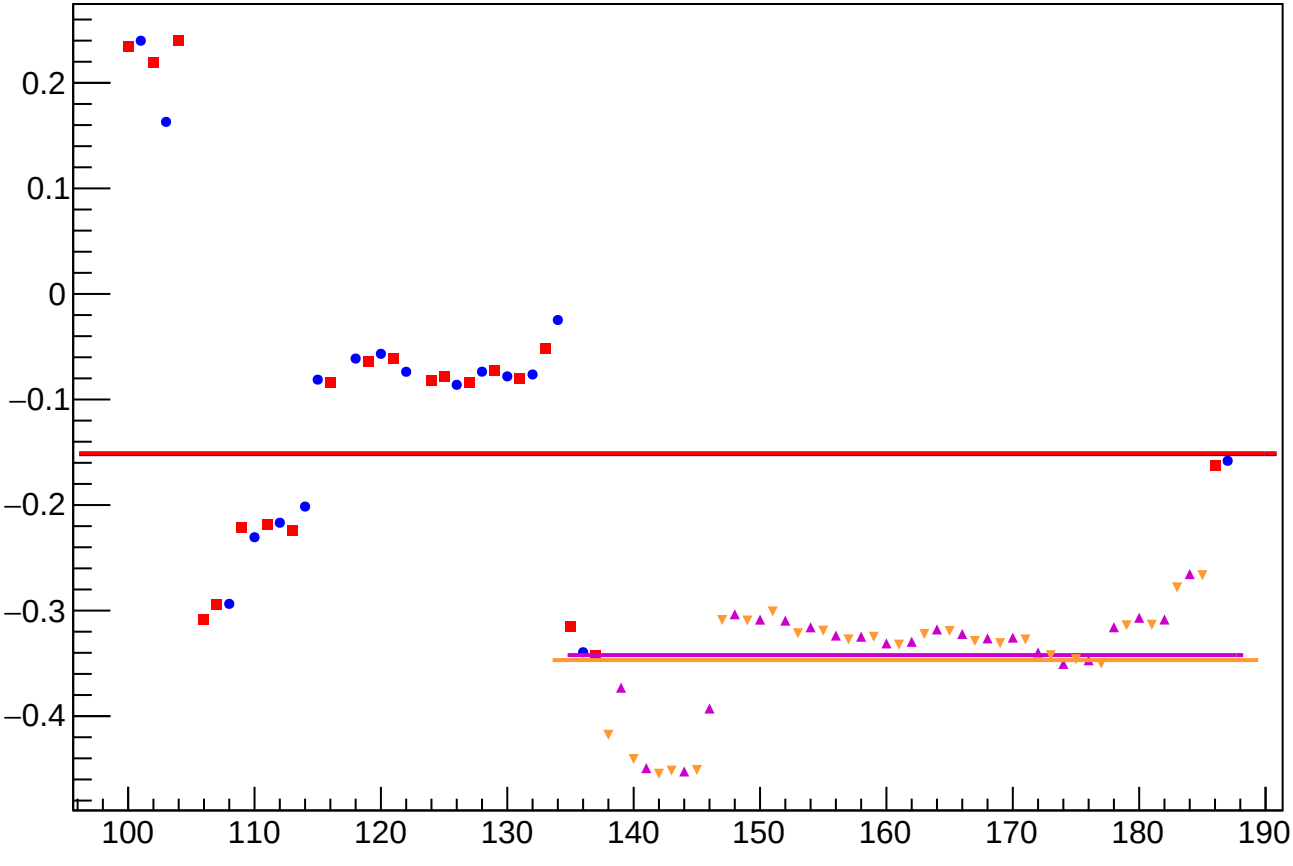
Right: 0.014+/-0.000 χ^2/NDF: 3940138.6/36

In: 0.012+/-0.000 χ^2/NDF:2563420.2/39

Out: 0.012+/-0.000 χ^2/NDF:3194636.1/44

All: 0.012+/-0.000 χ^2/NDF: 5758615.8/84

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276794419.6/16

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199435798.2/19

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

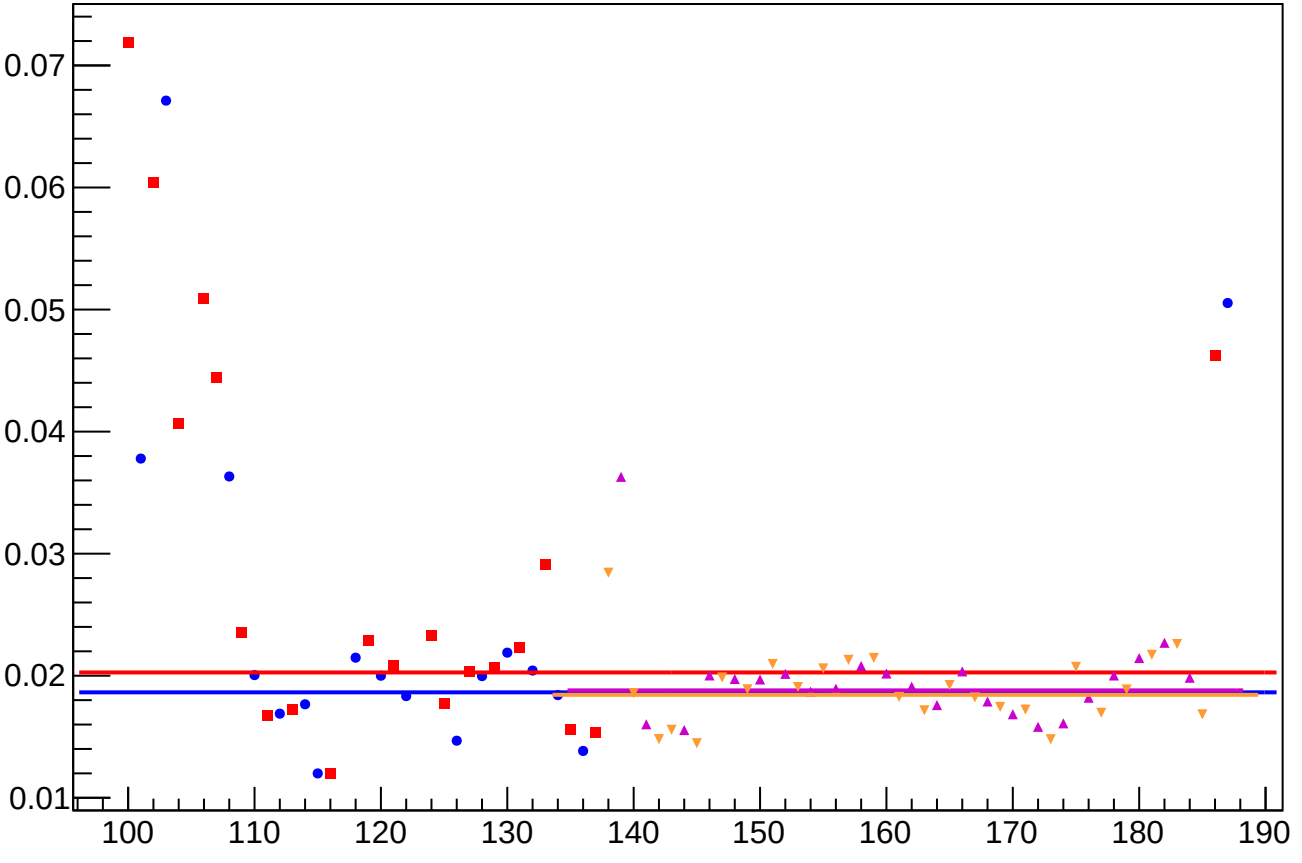
Right: -0.151+/-0.000 χ^2/NDF: 476236819.4/36

In: -0.291+/-0.000 χ^2/NDF:776094872.3/39

Out: -0.302+/-0.000 χ^2/NDF:736675071.1/44

All: -0.297+/-0.000 χ^2/NDF: 1516108708.7/8

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1511372.9/16

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.020+/-0.000 χ^2/NDF: 1790286.9/19

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

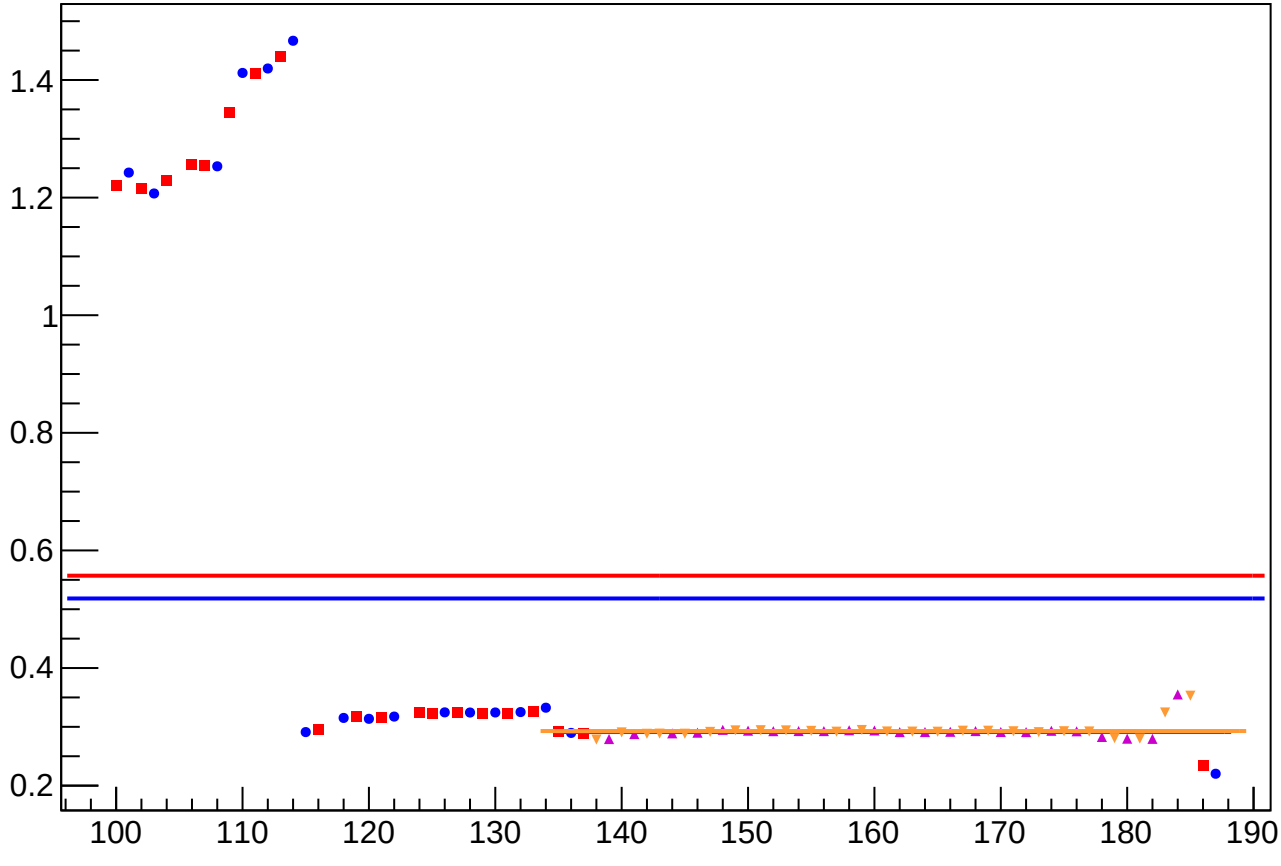
Right: 0.019+/-0.000 χ^2/NDF: 3340469.0/36

In: 0.019+/-0.000 χ^2/NDF:2230674.7/39

Out: 0.019+/-0.000 χ^2/NDF:2502120.1/44

All: 0.019+/-0.000 χ^2/NDF: 4733384.8/84

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.518+/-0.000 χ^2/NDF: 6333187358.2/16

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.557+/-0.000 χ^2/NDF: 6749631271.9/19

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

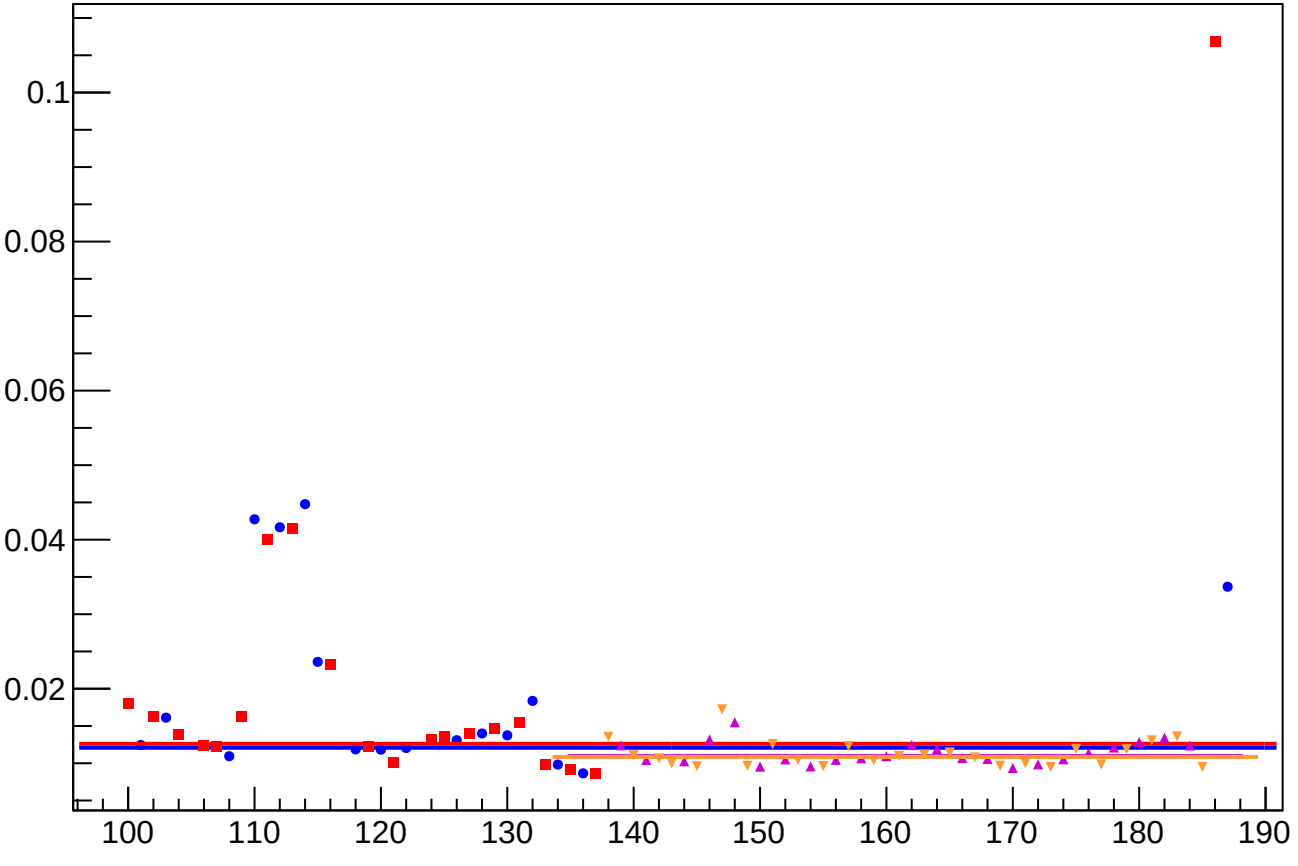
Right: 0.537+/-0.000 χ^2/NDF: 13113071905.1/36

In: 0.342+/-0.000 χ^2/NDF:8009167690.3/39

Out: 0.346+/-0.000 χ^2/NDF:8947210828.4/44

All: 0.344+/-0.000 χ^2/NDF: 16957861633.6/8

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1639341.7/16

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2030006.2/19

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

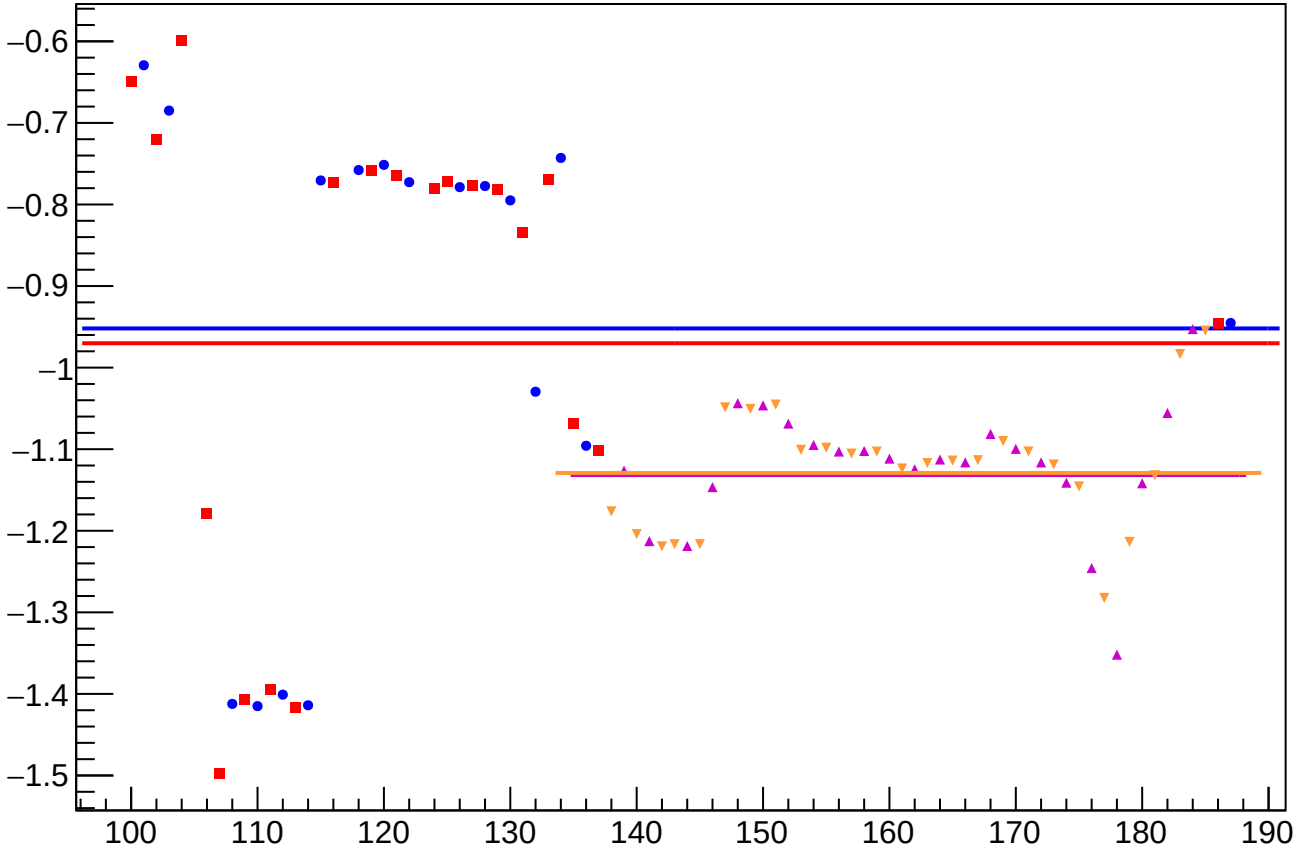
Right: 0.012+/-0.000 χ^2/NDF: 3680525.7/36

In: 0.011+/-0.000 χ^2/NDF:2233028.5/39

Out: 0.011+/-0.000 χ^2/NDF:2878415.6/44

All: 0.011+/-0.000 χ^2/NDF: 5111459.6/84

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699472101.2/16

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.970+/-0.000 χ^2/NDF: 714620391.8/19

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

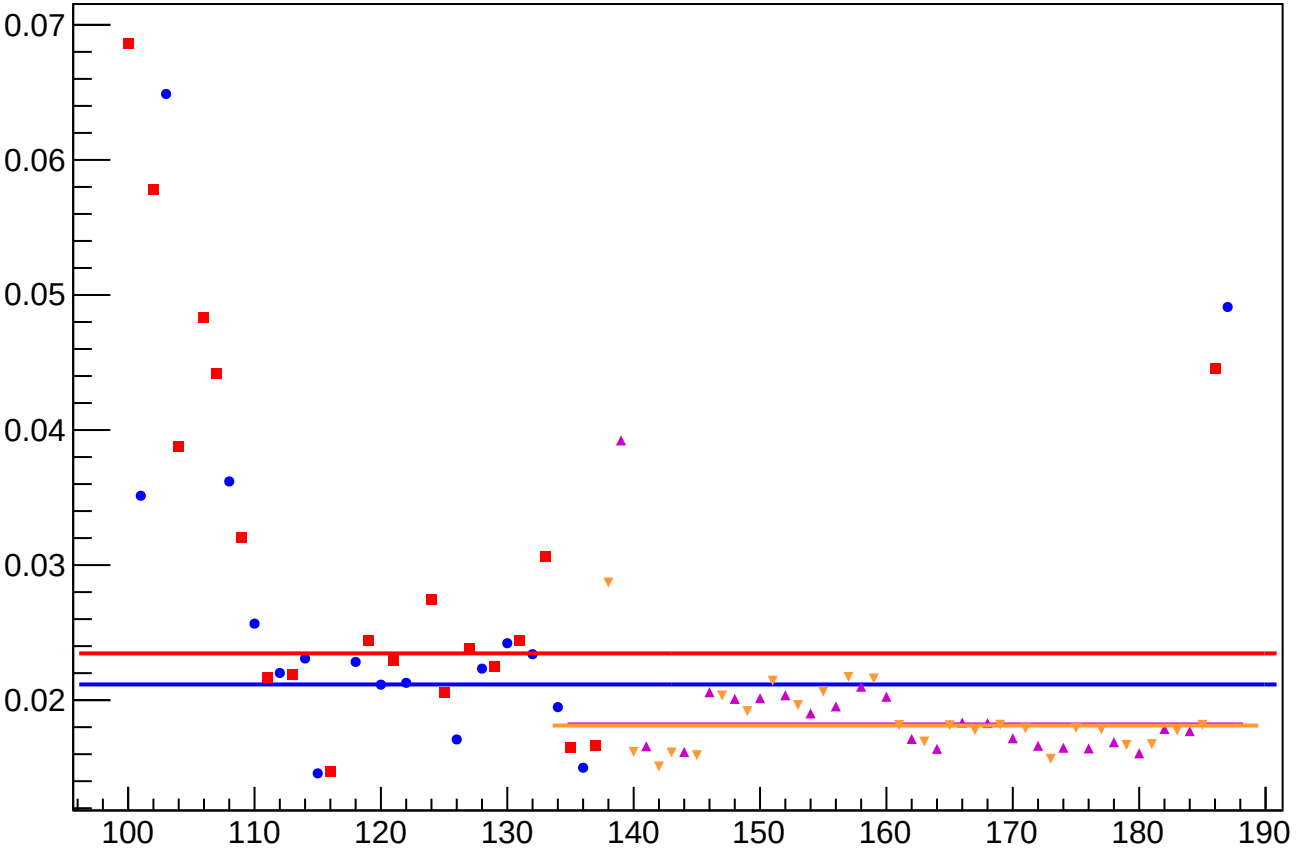
Right: -0.960+/-0.000 χ^2/NDF: 1415968284.1/36

In: -1.093+/-0.000 χ^2/NDF:1268729375.4/39

Out: -1.100+/-0.000 χ^2/NDF:1172289818.2/44

All: -1.097+/-0.000 χ^2/NDF: 2442505982.7/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1279774.2/16

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 1453819.2/19

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

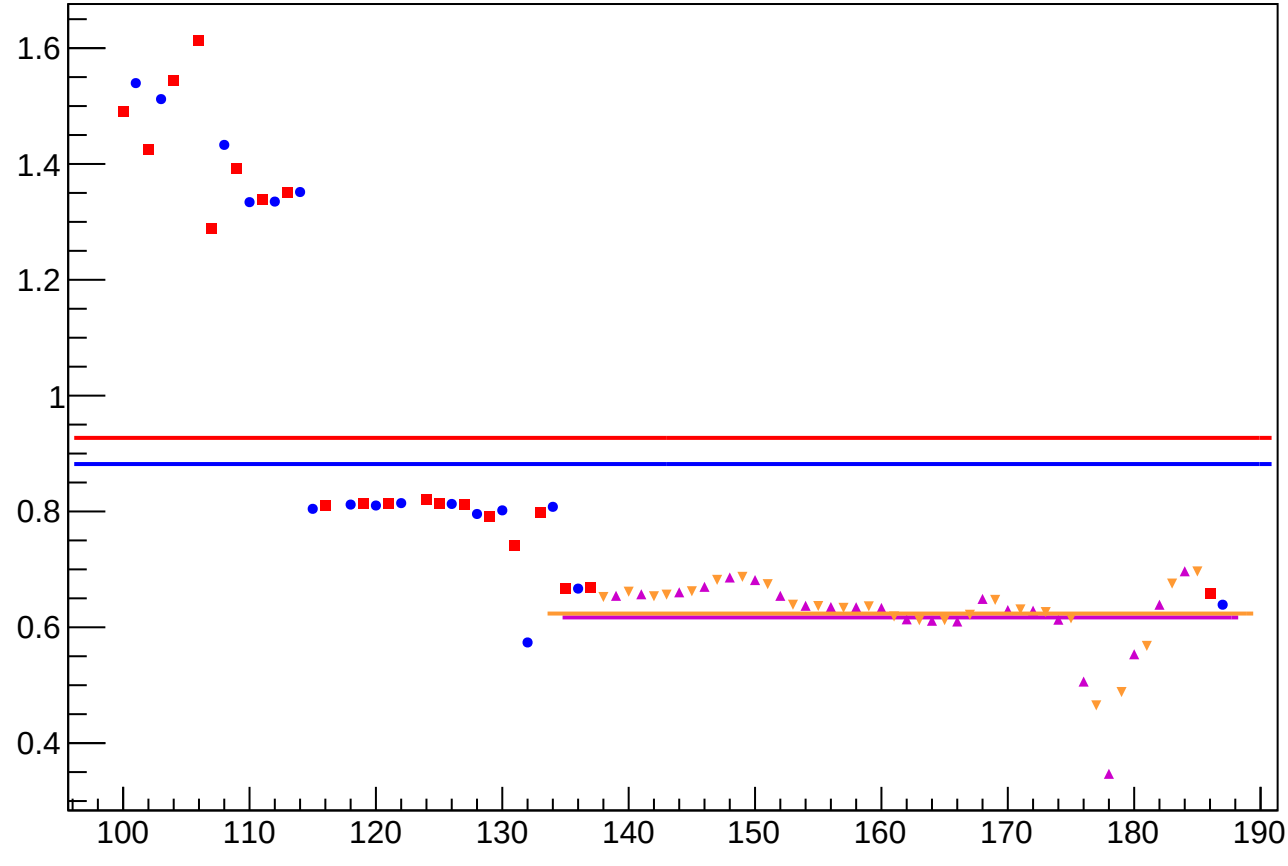
Right: 0.022+/-0.000 χ^2/NDF: 2793716.4/36

In: 0.019+/-0.000 χ^2/NDF:2171745.0/39

Out: 0.019+/-0.000 χ^2/NDF:2423780.7/44

All: 0.019+/-0.000 χ^2/NDF: 4599271.0/84

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2788673067.4/16

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.927+/-0.000 χ^2/NDF: 2764126627.2/19

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

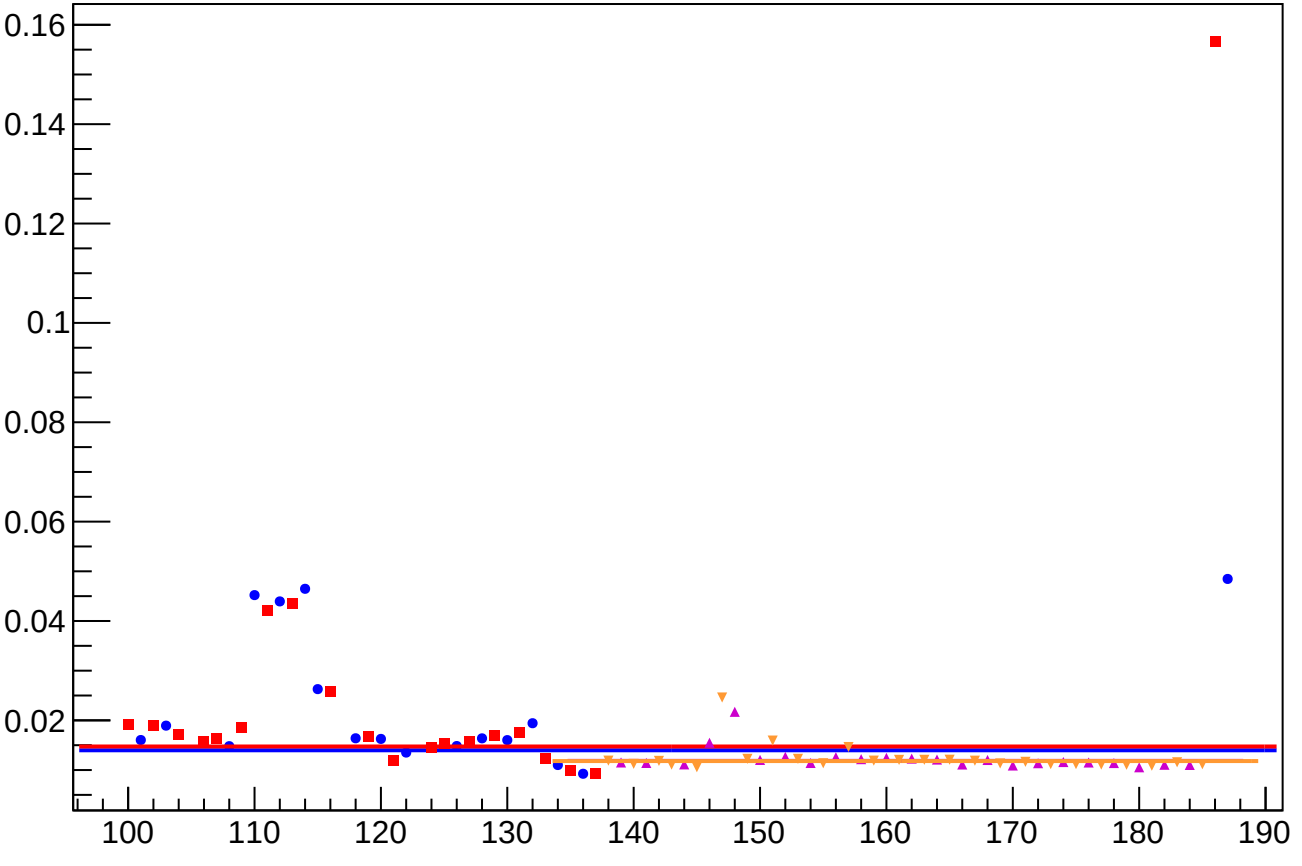
Right: 0.904+/-0.000 χ^2/NDF: 5583220290.6/36

In: 0.669+/-0.000 χ^2/NDF:5167664213.2/39

Out: 0.678+/-0.000 χ^2/NDF:5346403033.6/44

All: 0.674+/-0.000 χ^2/NDF: 10519941074.0/8

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1828848.9/16

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2095371.1/19

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

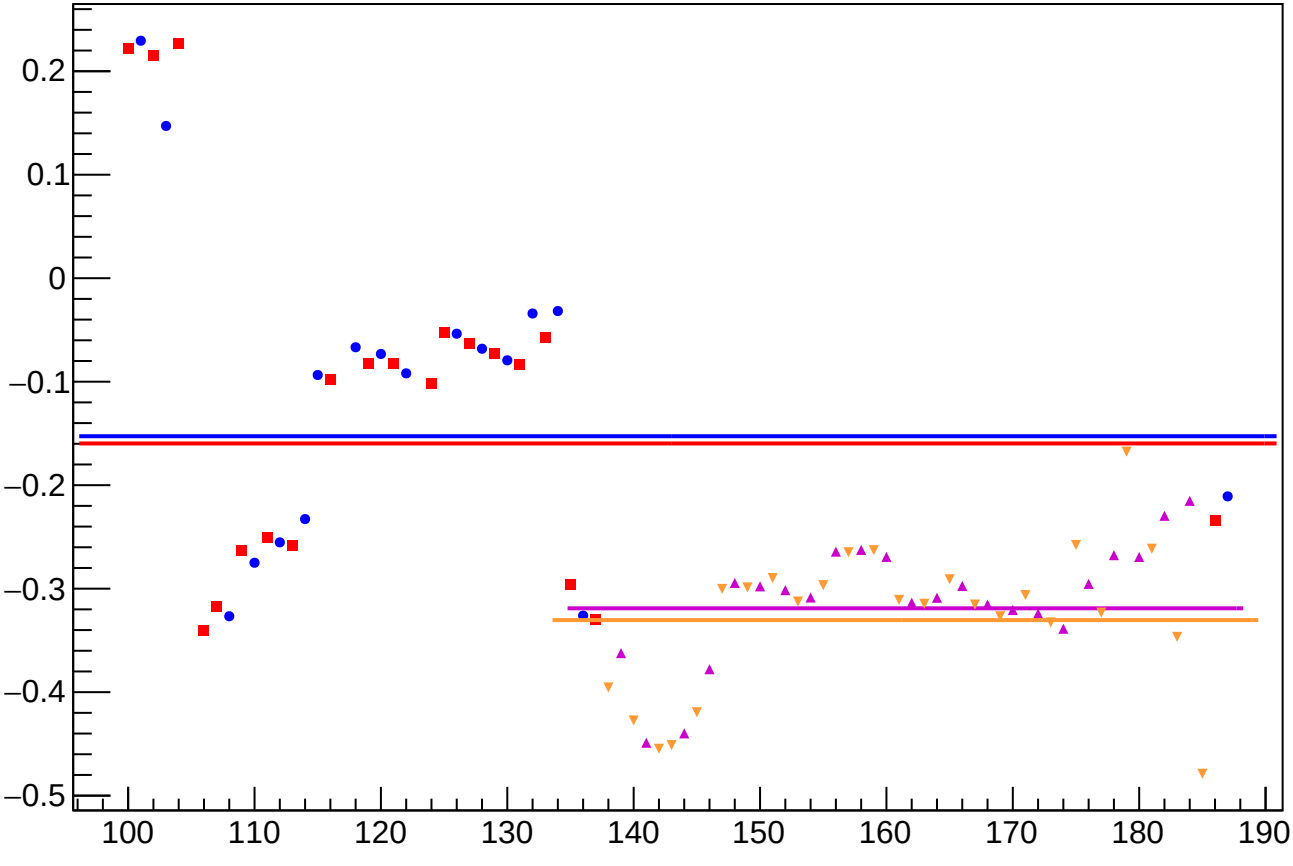
Right: 0.014+/-0.000 χ^2/NDF: 3941523.1/36

In: 0.012+/-0.000 χ^2/NDF:2562455.5/39

Out: 0.012+/-0.000 χ^2/NDF:3177051.3/44

All: 0.012+/-0.000 χ^2/NDF: 5740178.8/84

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.153+/-0.000 χ^2/NDF: 274487076.3/16

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.160+/-0.000 χ^2/NDF: 196578789.1/19

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

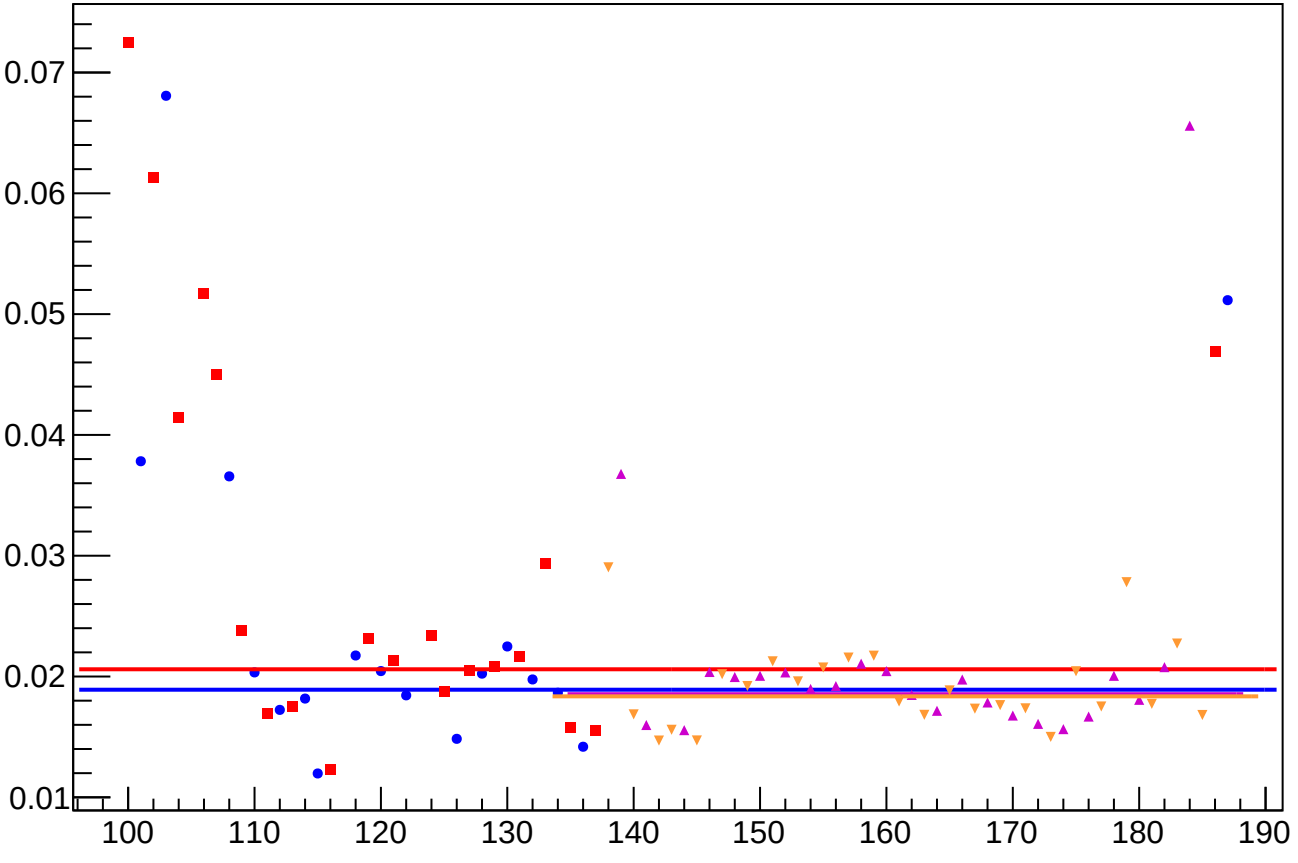
Right: -0.156+/-0.000 χ^2/NDF: 471413080.2/36

In: -0.275+/-0.000 χ^2/NDF:712382395.5/39

Out: -0.292+/-0.000 χ^2/NDF:681793603.5/44

All: -0.284+/-0.000 χ^2/NDF: 1401788430.5/8

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1488122.4/16

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.021+/-0.000 χ^2/NDF: 1771550.8/19

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

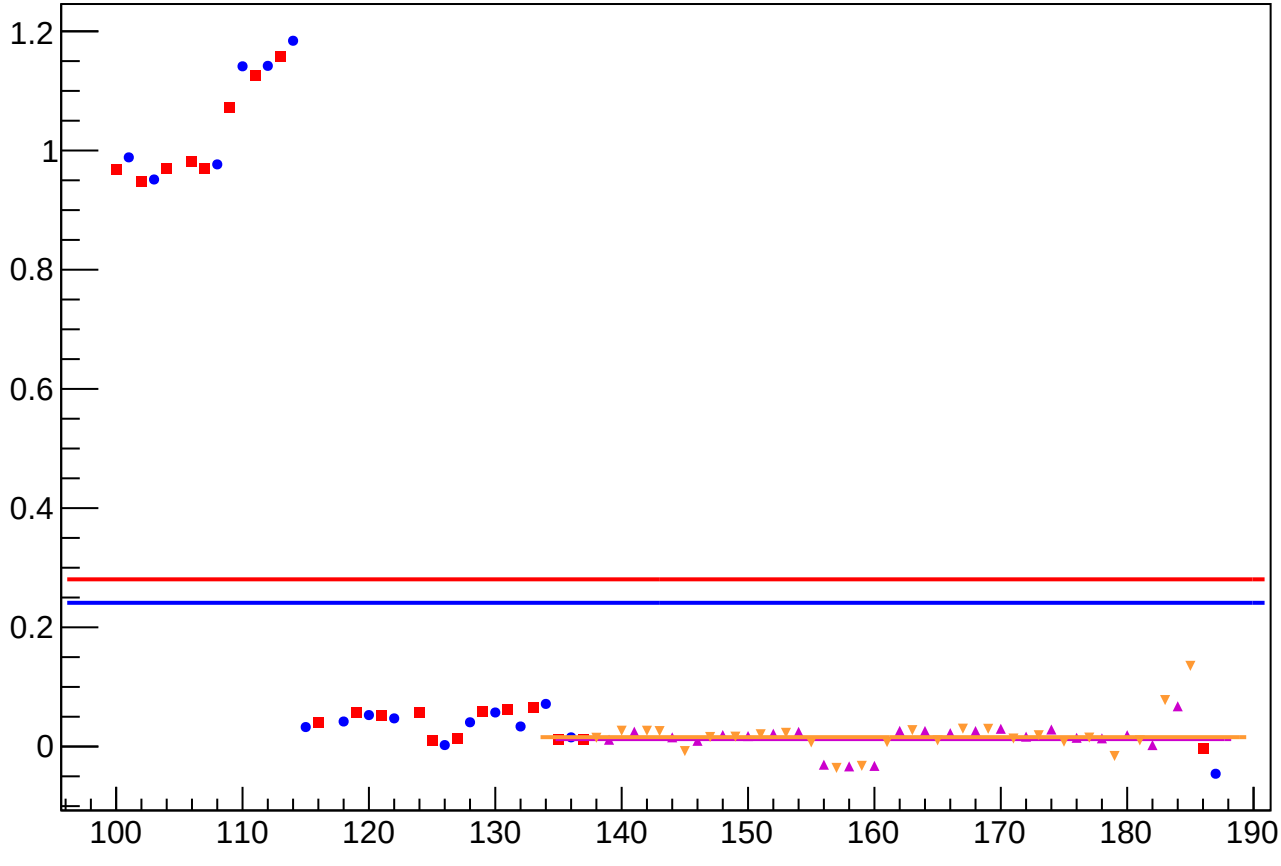
Right: 0.020+/-0.000 χ^2/NDF: 3300314.0/36

In: 0.019+/-0.000 χ^2/NDF:2424991.3/39

Out: 0.019+/-0.000 χ^2/NDF:2613283.3/44

All: 0.019+/-0.000 χ^2/NDF: 5041476.9/84

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.241+/-0.000 χ^2/NDF: 6520985731.4/16

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.281+/-0.000 χ^2/NDF: 6760453129.7/19

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

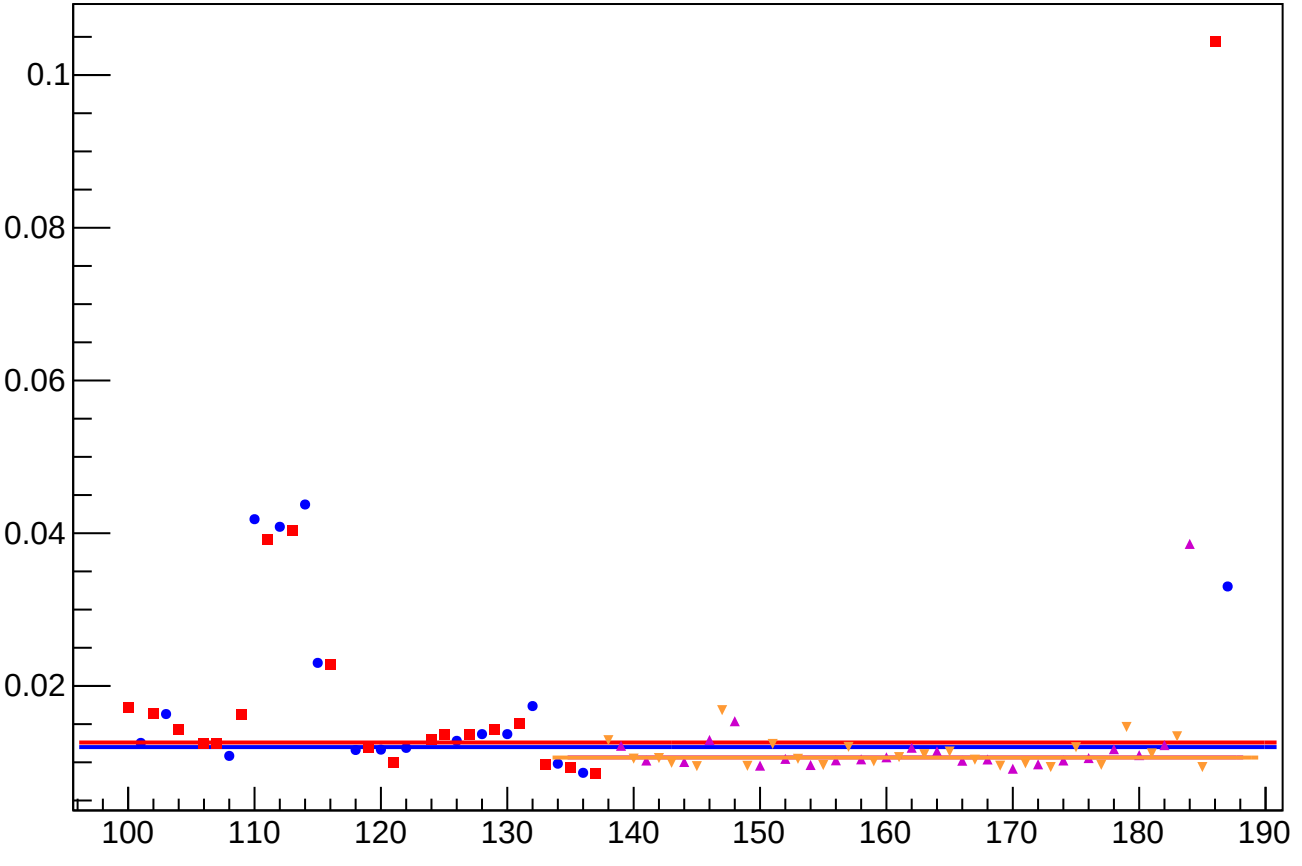
Right: 0.260+/-0.000 χ^2/NDF: 13312983035.1/36

In: 0.063+/-0.000 χ^2/NDF:8304164536.1/39

Out: 0.068+/-0.000 χ^2/NDF:9067930204.1/44

All: 0.066+/-0.000 χ^2/NDF: 17375168638.5/8

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1605103.3/16

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1984574.6/19

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

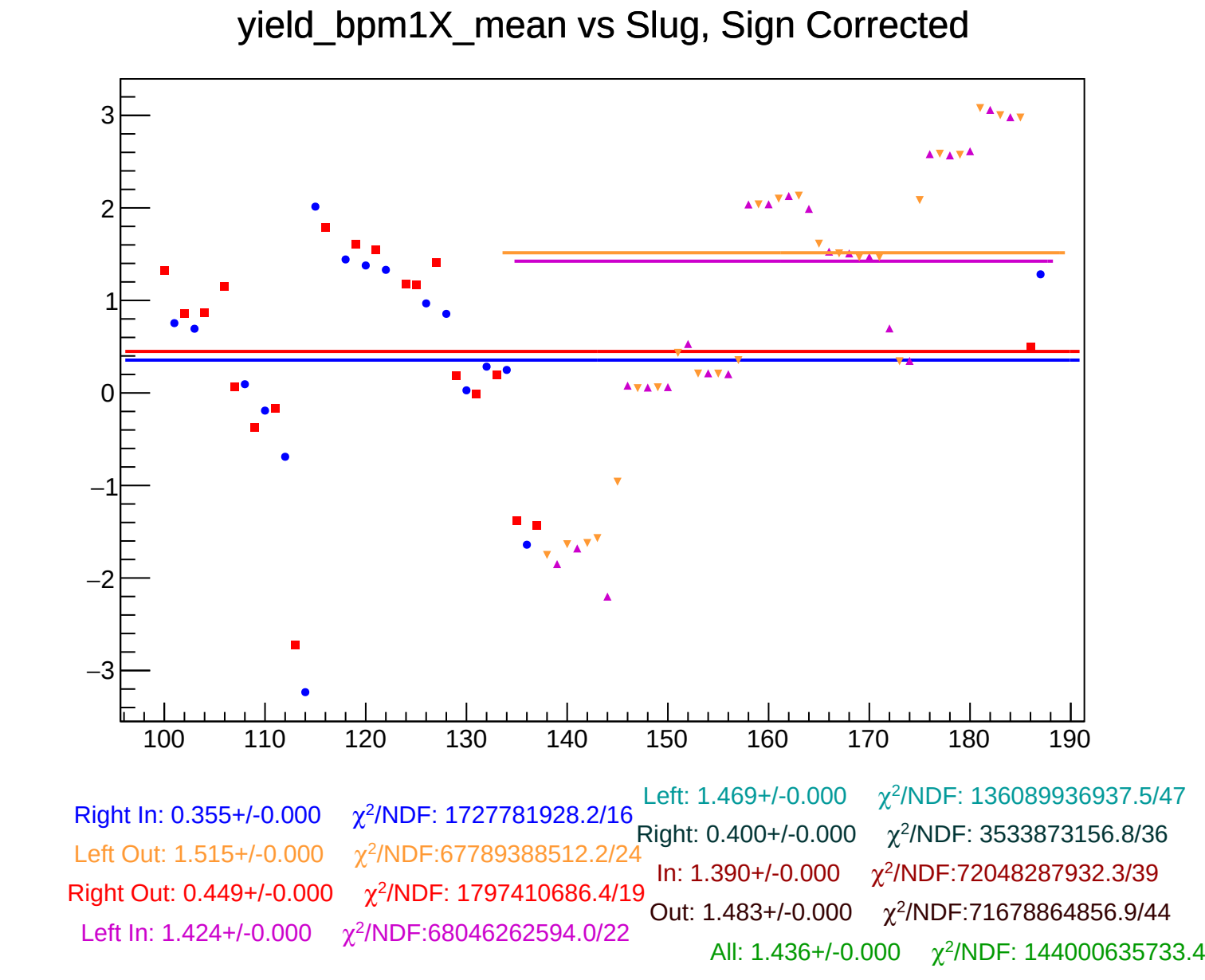
Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

Right: 0.012+/-0.000 χ^2/NDF: 3604455.6/36

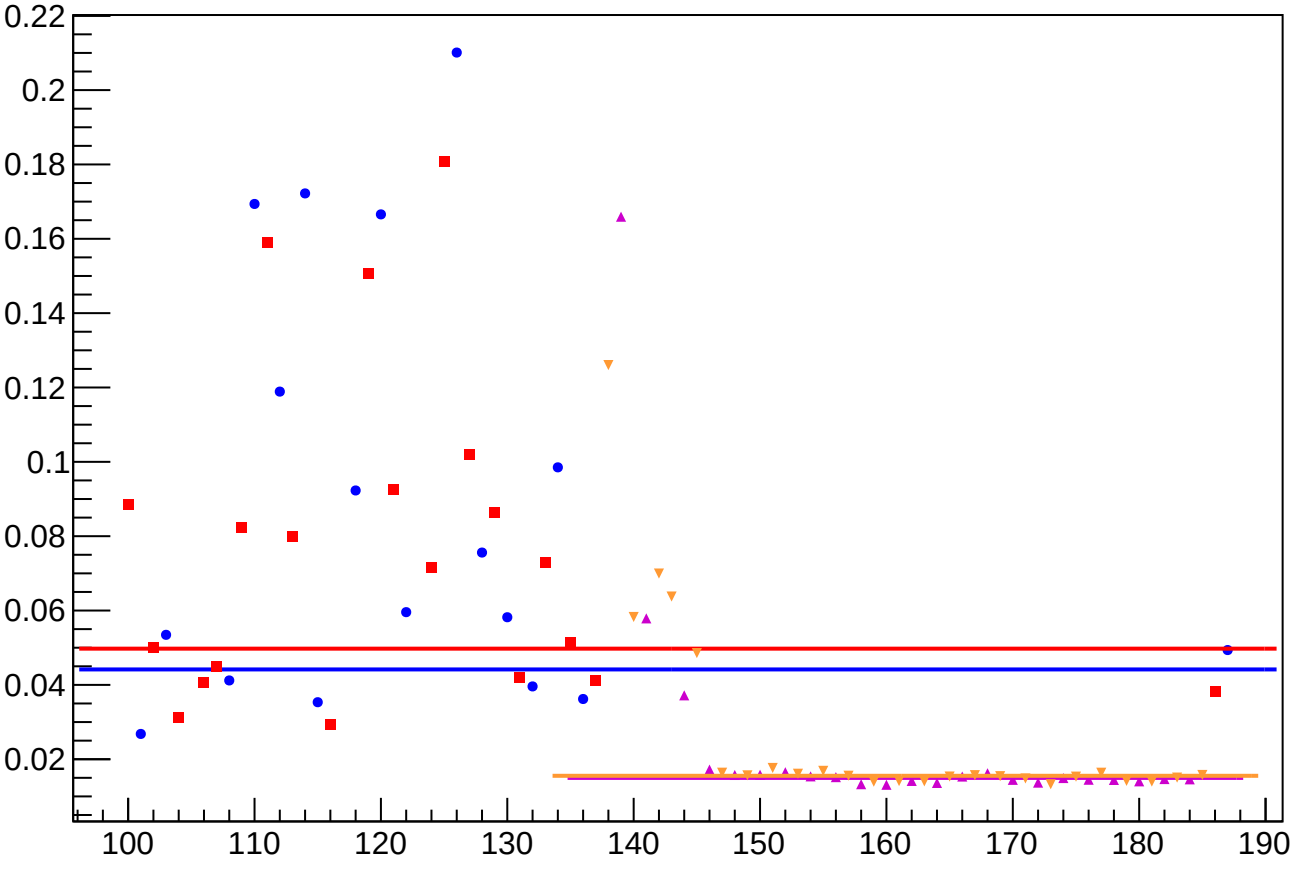
In: 0.011+/-0.000 χ^2/NDF:2297254.1/39

Out: 0.011+/-0.000 χ^2/NDF:2851173.0/44

All: 0.011+/-0.000 χ^2/NDF: 5149544.3/84


yield_bpm1X_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.355+/-0.000 χ²/NDF: 1727781928.2/16
Left Out: 1.515+/-0.000 χ²/NDF:67789388512.2/24
Right Out: 0.449+/-0.000 χ²/NDF: 1797410686.4/19
Left In: 1.424+/-0.000 χ²/NDF:68046262594.0/22
Left: 1.469+/-0.000 χ²/NDF: 136089936937.5/47
Right: 0.400+/-0.000 χ²/NDF: 3533873156.8/36
In: 1.390+/-0.000 χ²/NDF:72048287932.3/39
Out: 1.483+/-0.000 χ²/NDF:71678864856.9/44
All: 1.436+/-0.000 χ²/NDF: 144000635733.4

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2791446.5/16

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.050+/-0.000 χ^2/NDF: 2444189.3/19

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

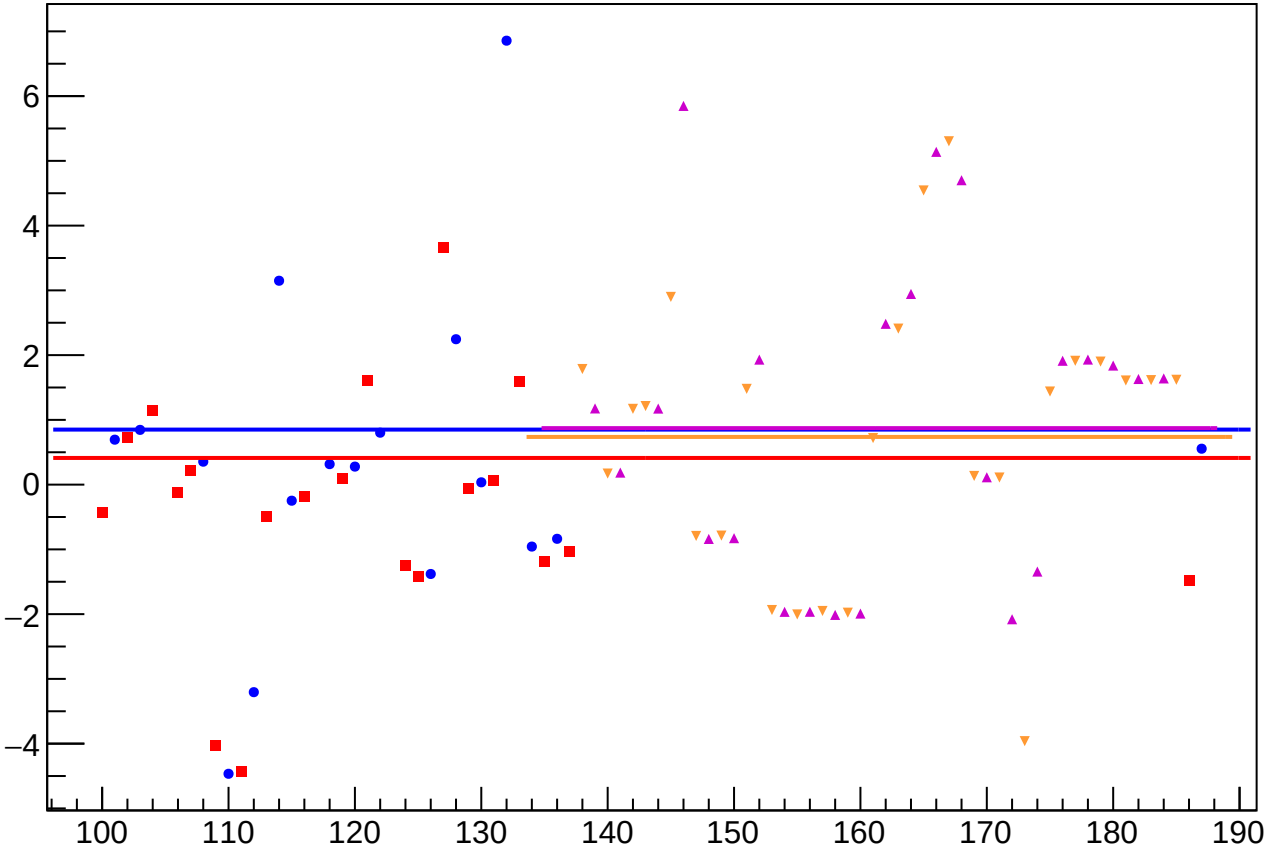
Right: 0.047+/-0.000 χ^2/NDF: 5297290.1/36

In: 0.016+/-0.000 χ^2/NDF:8362520.9/39

Out: 0.017+/-0.000 χ^2/NDF:9731769.0/44

All: 0.016+/-0.000 χ^2/NDF: 18123029.9/84

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.850+/-0.000 χ^2/NDF: 11579225116.0/16

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 0.412+/-0.000 χ^2/NDF: 5150572391.4/19

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

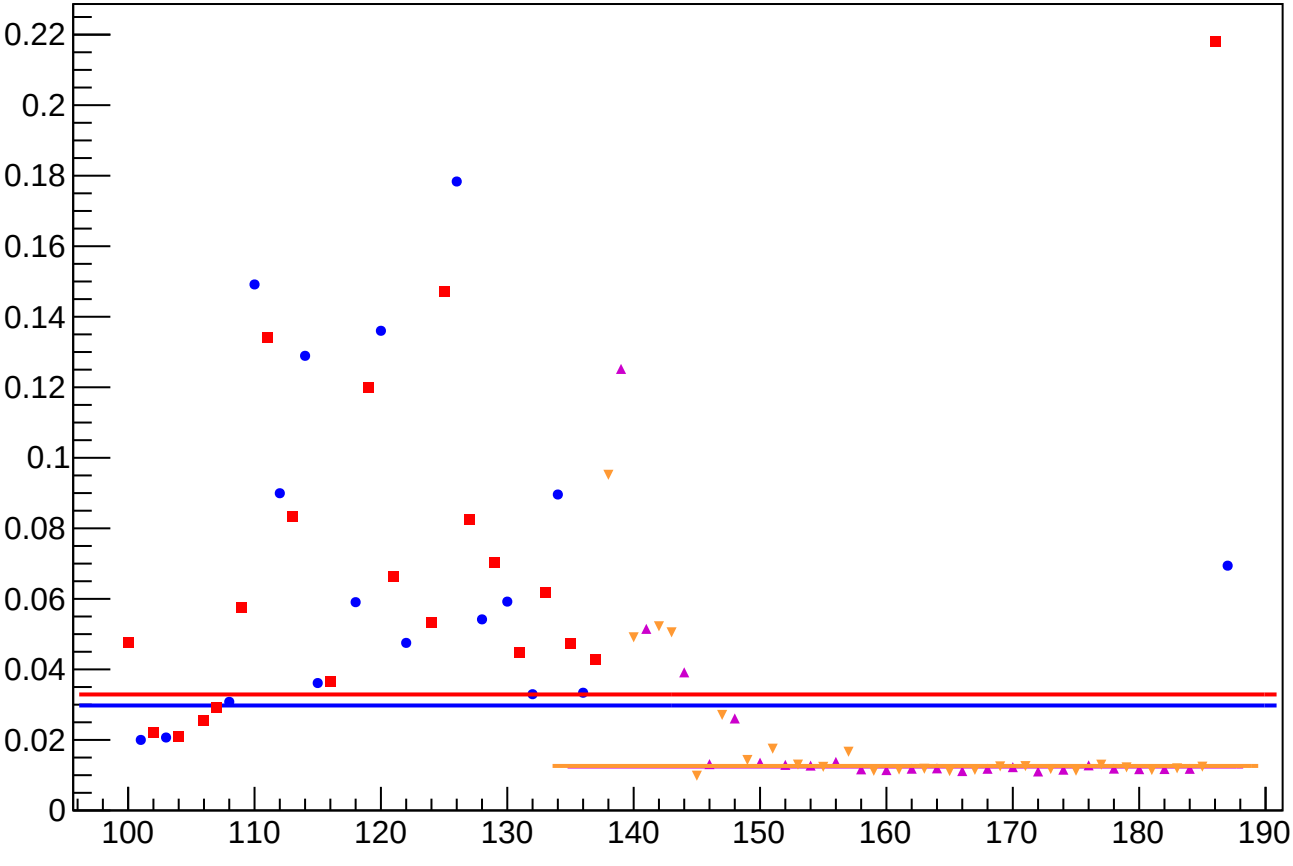
Right: 0.641+/-0.000 χ^2/NDF: 17122347403.2/36

In: 0.872+/-0.000 χ^2/NDF:631742633936.0/39

Out: 0.724+/-0.000 χ^2/NDF:541509358530.1/44

All: 0.798+/-0.000 χ^2/NDF: 1174371608372.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 3307418.4/16

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.033+/-0.000 χ^2/NDF: 3860361.2/19

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

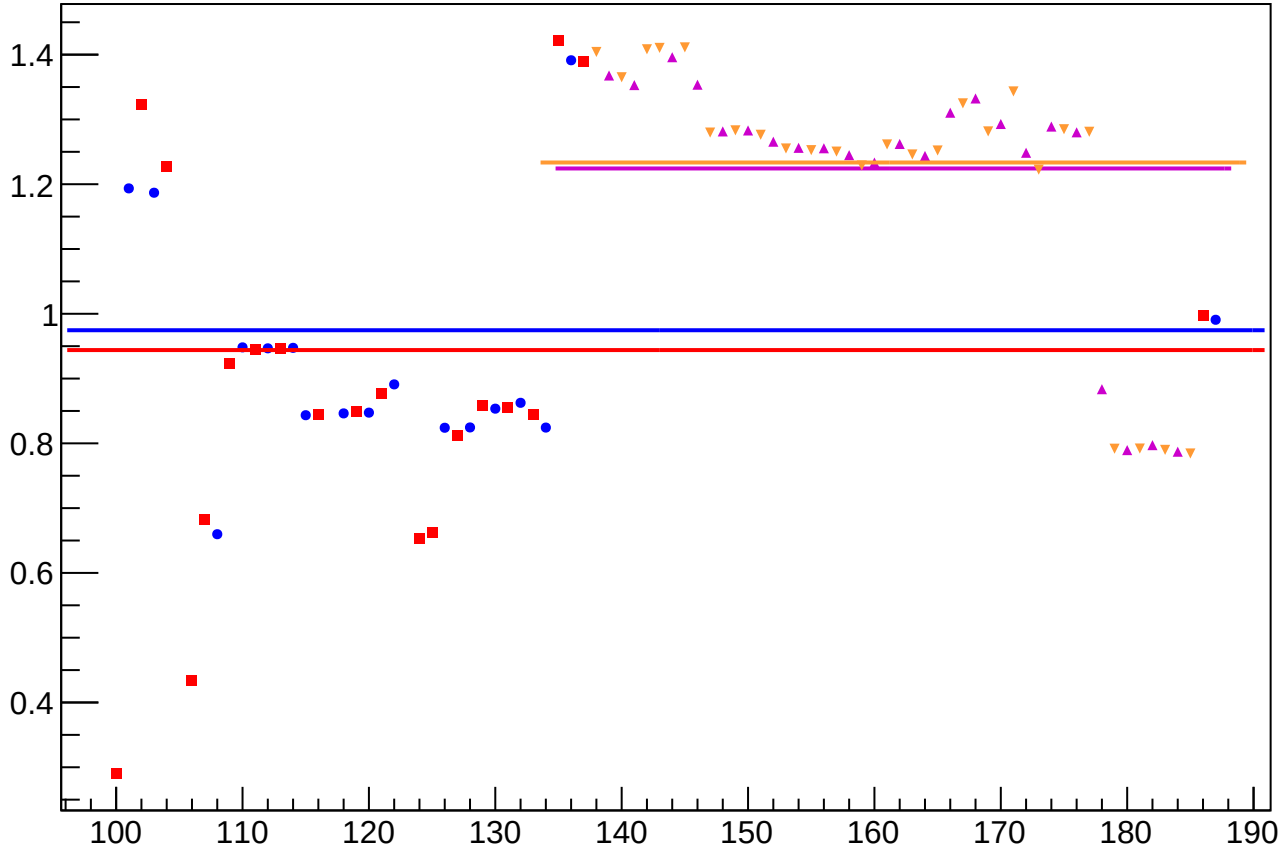
Right: 0.031+/-0.000 χ^2/NDF: 7207779.6/36

In: 0.013+/-0.000 χ^2/NDF:8530994.9/39

Out: 0.013+/-0.000 χ^2/NDF:10142594.9/44

All: 0.013+/-0.000 χ^2/NDF: 18678362.2/84

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.975+/-0.000 χ^2/NDF: 1458799913.0/16

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.944+/-0.000 χ^2/NDF: 1672004286.2/19

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

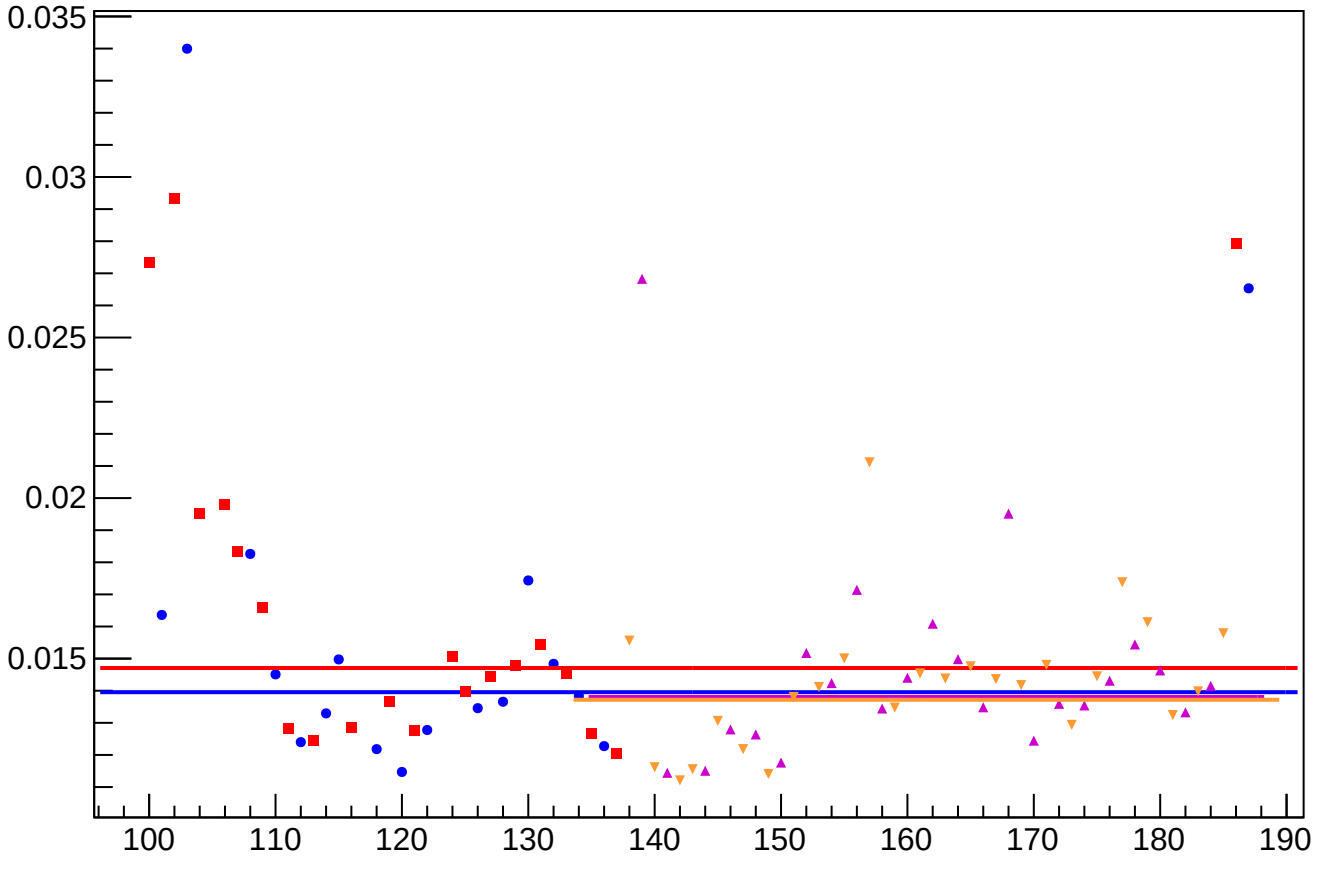
Right: 0.960+/-0.000 χ^2/NDF: 3145706925.3/36

In: 1.155+/-0.000 χ^2/NDF:5583136977.5/39

Out: 1.159+/-0.000 χ^2/NDF:6650853258.8/44

All: 1.157+/-0.000 χ^2/NDF: 12235046561.4/8

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 678402.7/16

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.015+/-0.000 χ^2/NDF: 720977.5/19

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

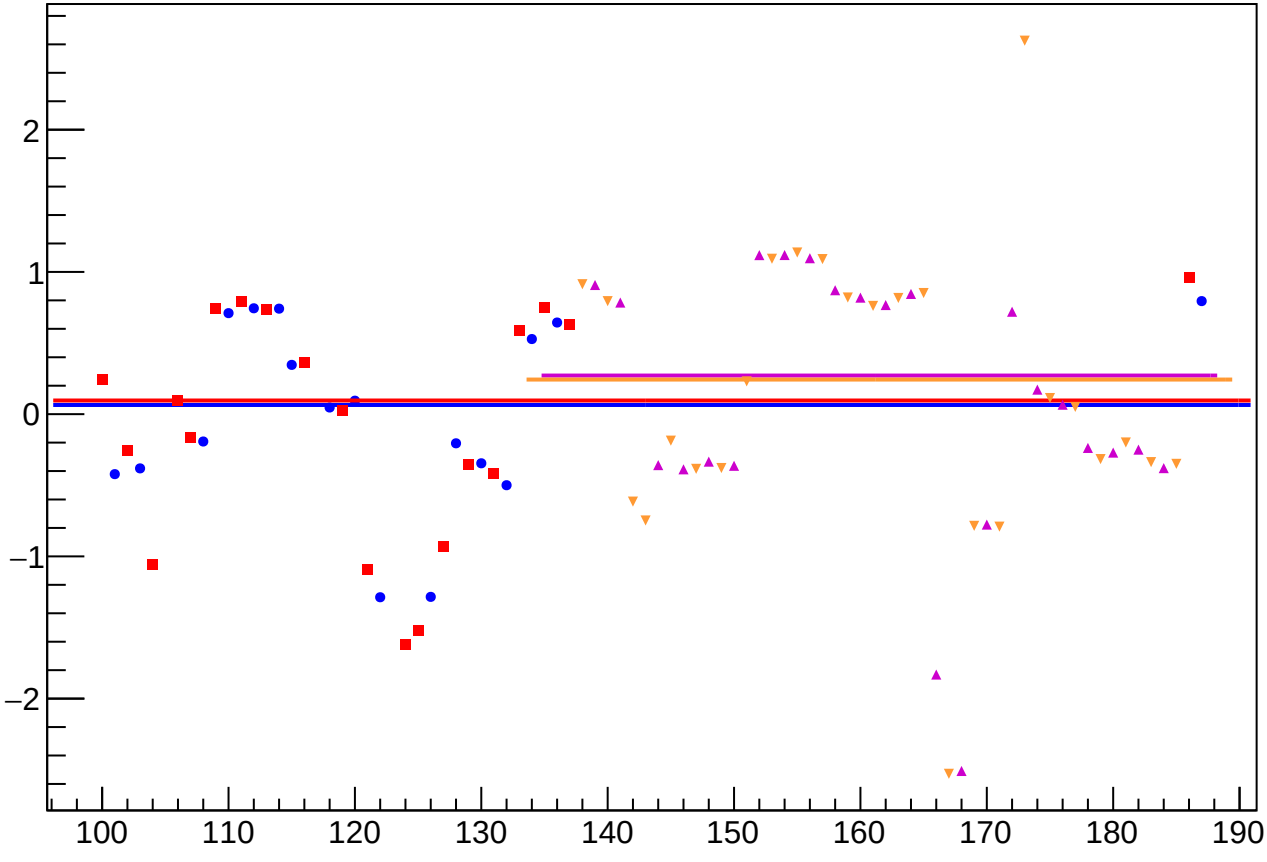
Right: 0.014+/-0.000 χ^2/NDF: 1417438.3/36

In: 0.014+/-0.000 χ^2/NDF:1549567.1/39

Out: 0.014+/-0.000 χ^2/NDF:1317037.0/44

All: 0.014+/-0.000 χ^2/NDF: 2868478.5/84

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.065+/-0.000 χ^2/NDF: 11047763751.7/16

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.096+/-0.000 χ^2/NDF: 17788344706.8/19

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

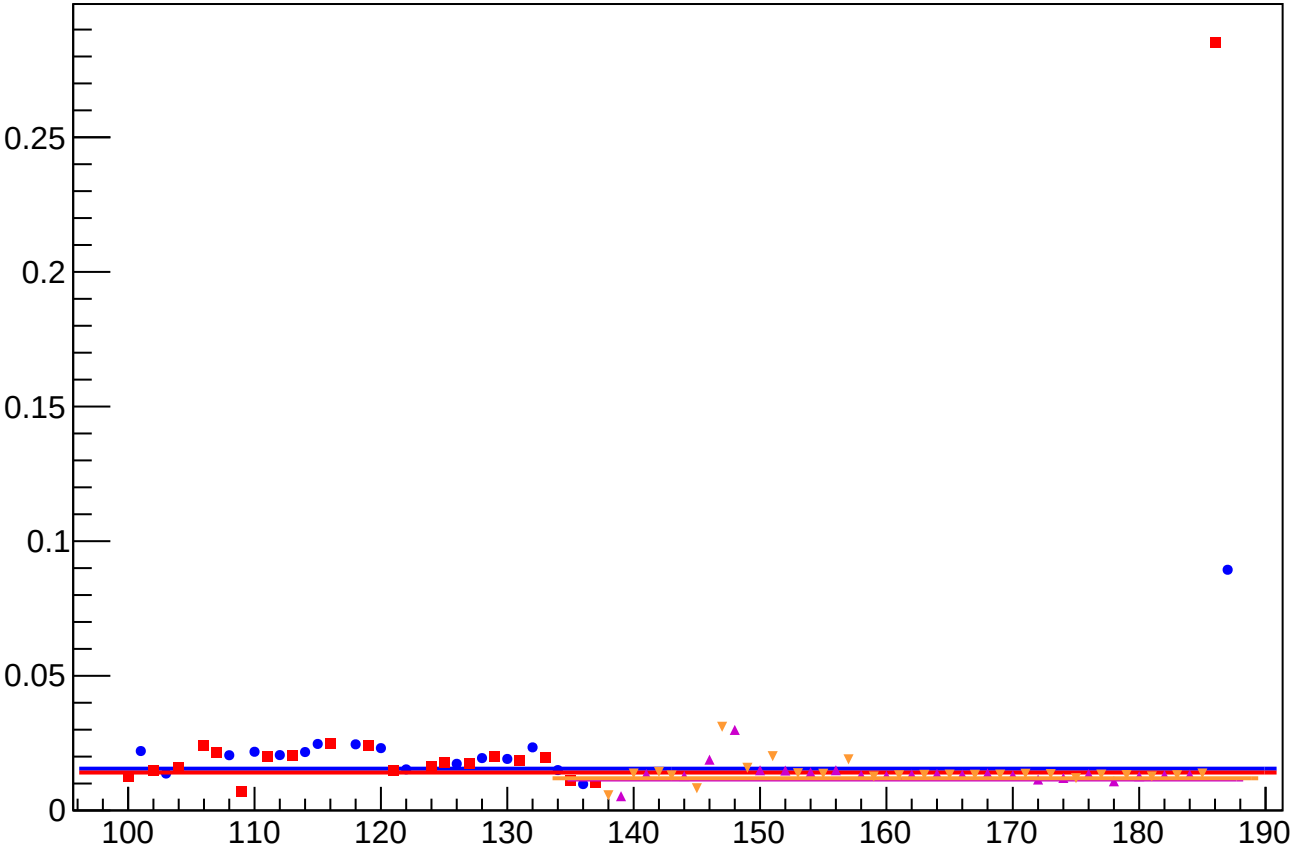
Right: 0.082+/-0.000 χ^2/NDF: 28849614862.2/36

In: 0.235+/-0.000 χ^2/NDF:102436616162.8/39

Out: 0.213+/-0.000 χ^2/NDF:123896312013.2/44

All: 0.224+/-0.000 χ^2/NDF: 226366538263.0

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1536228.1/16

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2370553.3/19

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

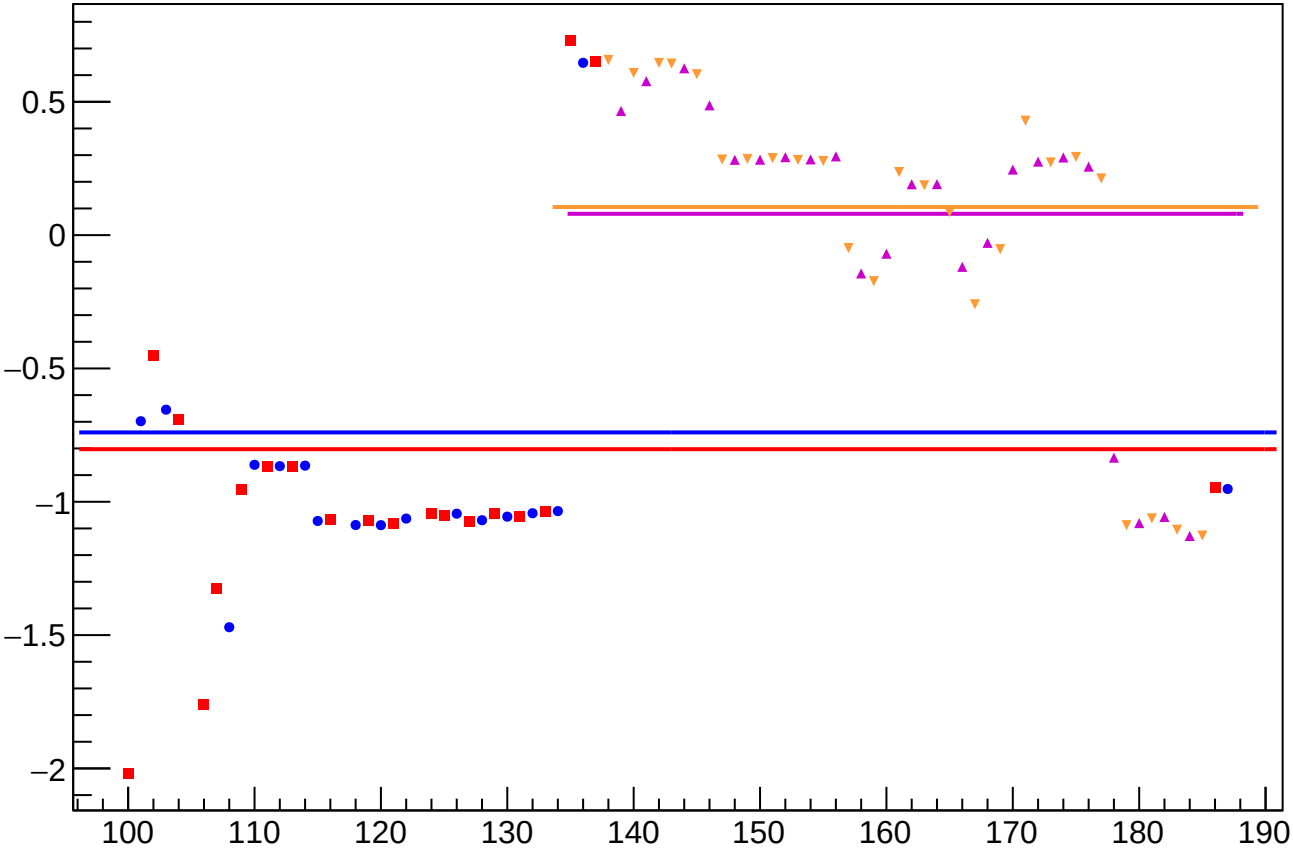
Right: 0.015+/-0.000 χ^2/NDF: 3963130.0/36

In: 0.012+/-0.000 χ^2/NDF:5880807.4/39

Out: 0.012+/-0.000 χ^2/NDF:5852723.4/44

All: 0.012+/-0.000 χ^2/NDF: 11738404.7/84

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.740+/-0.000 χ^2/NDF: 2075315252.6/16

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.803+/-0.000 χ^2/NDF: 1886256127.4/19

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

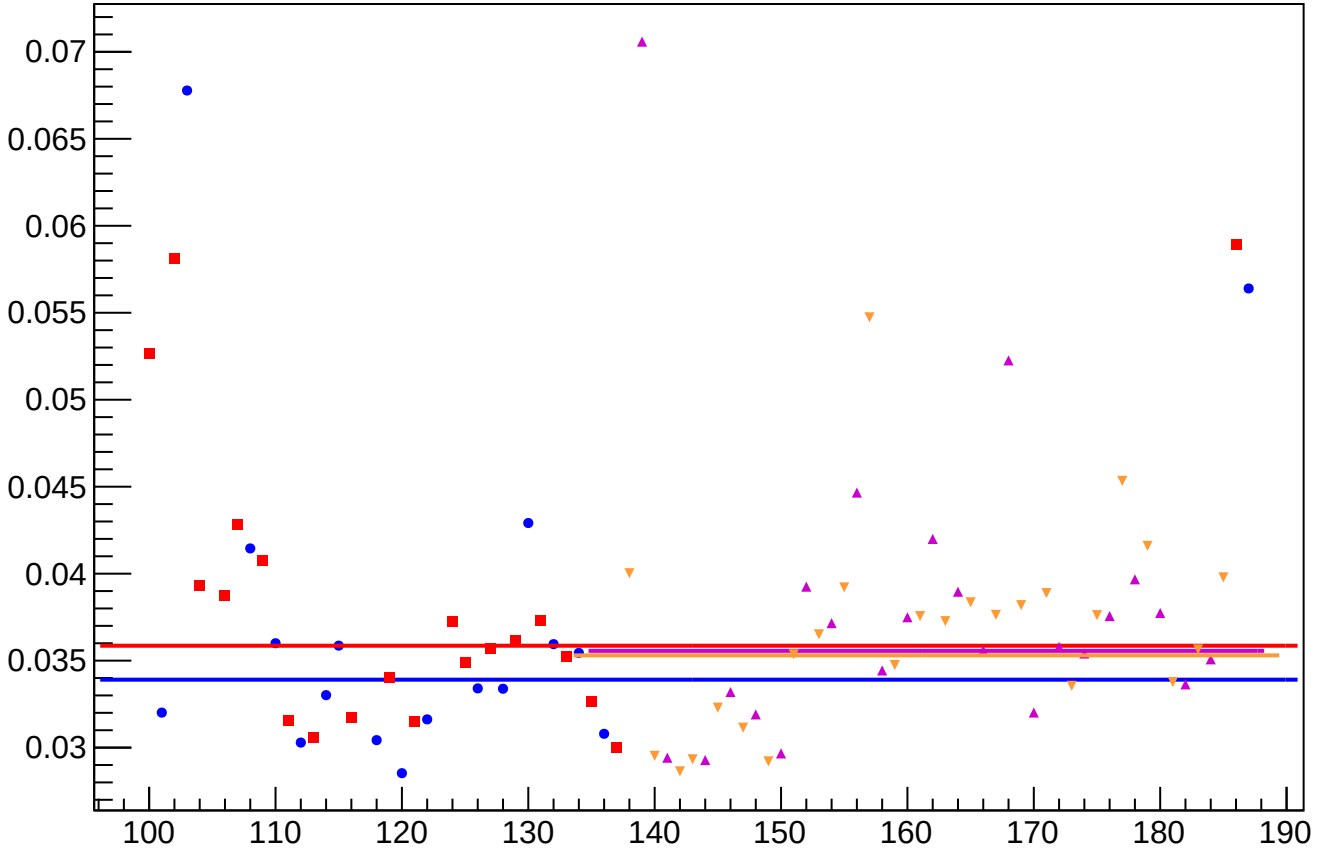
Right: -0.770+/-0.000 χ^2/NDF: 3972339978.3/36

In: -0.171+/-0.000 χ^2/NDF:7961535247.4/39

Out: -0.150+/-0.000 χ^2/NDF:8804339901.9/44

All: -0.160+/-0.000 χ^2/NDF: 16769858973.2/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 475793.3/16

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.036+/-0.000 χ^2/NDF: 417132.7/19

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

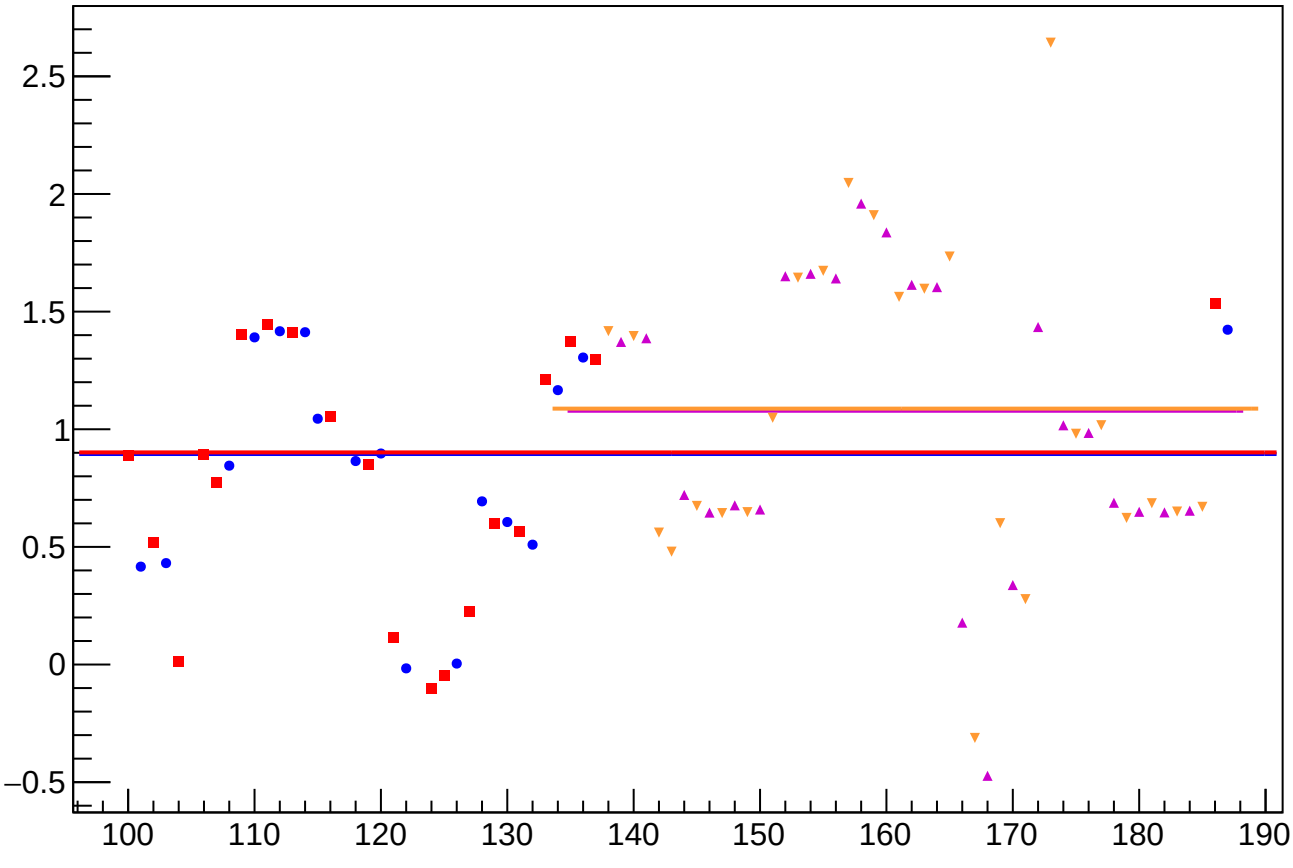
Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

Right: 0.035+/-0.000 χ^2/NDF: 913664.0/36

In: 0.035+/-0.000 χ^2/NDF:1457570.9/39

Out: 0.035+/-0.000 χ^2/NDF:1032090.4/44

All: 0.035+/-0.000 χ^2/NDF: 2492684.5/84



Right In: 0.895+/-0.000 χ^2/NDF: 12763447196.8/16

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.902+/-0.000 χ^2/NDF: 17897155565.7/19

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

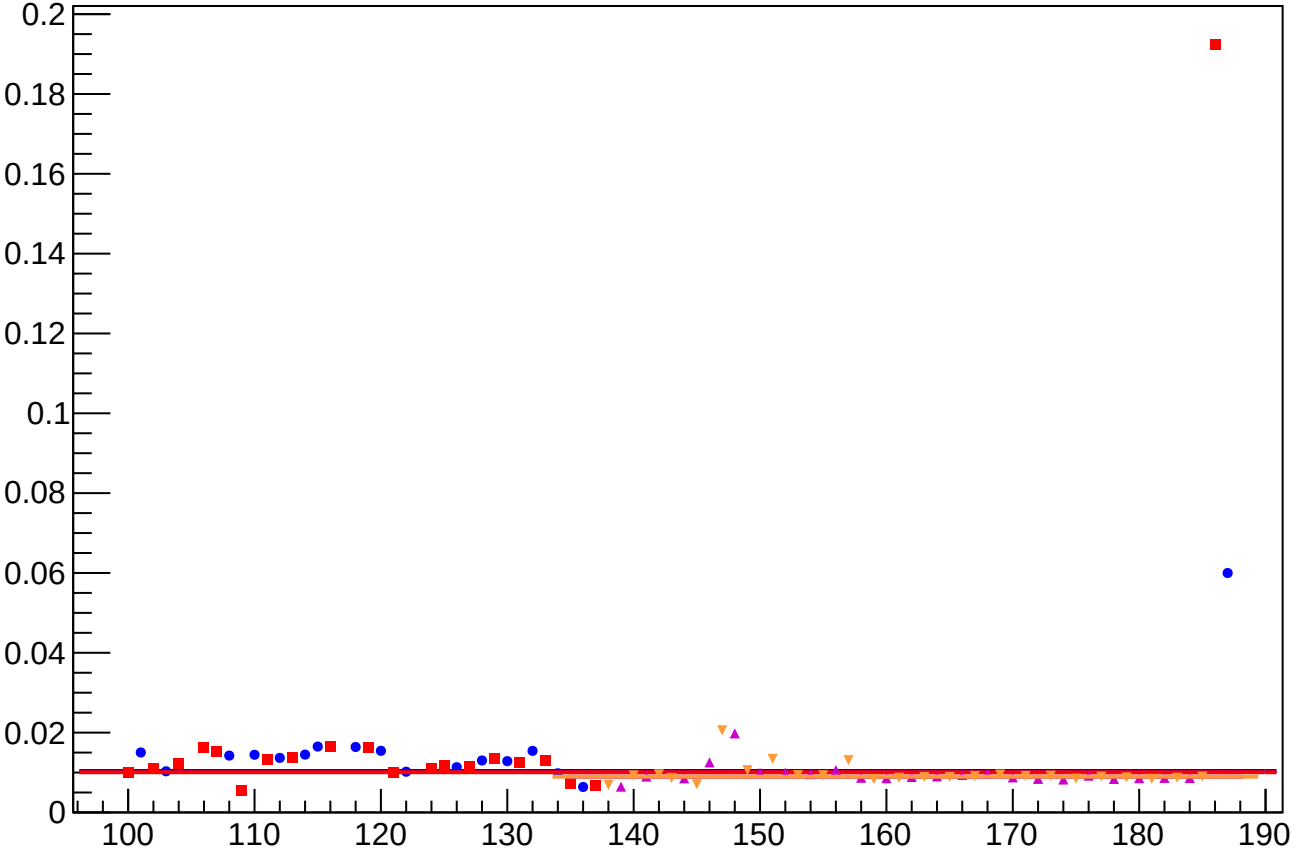
Right: 0.898+/-0.000 χ^2/NDF: 30661974777.0/36

In: 1.040+/-0.000 χ^2/NDF:88339105507.8/39

Out: 1.048+/-0.000 χ^2/NDF:113392402534.9/44

All: 1.044+/-0.000 χ^2/NDF: 201740191045.8

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1592812.3/16

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 2016212.7/19

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

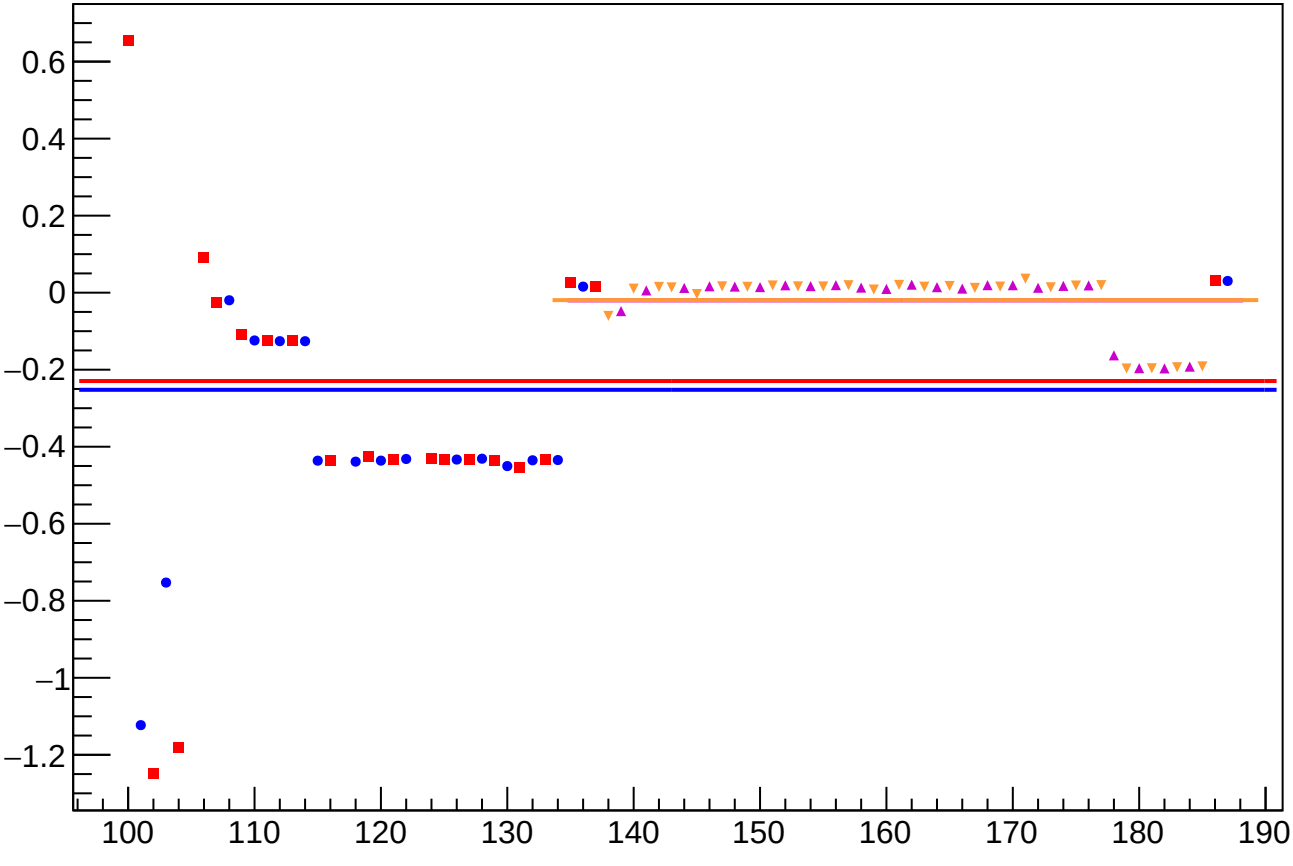
Right: 0.010+/-0.000 χ^2/NDF: 3614364.5/36

In: 0.009+/-0.000 χ^2/NDF:2742060.2/39

Out: 0.009+/-0.000 χ^2/NDF:3279402.8/44

All: 0.009+/-0.000 χ^2/NDF: 6021895.1/84

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.252+/-0.000 χ^2/NDF: 2032069174.3/16

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.229+/-0.000 χ^2/NDF: 1821666664.4/19

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

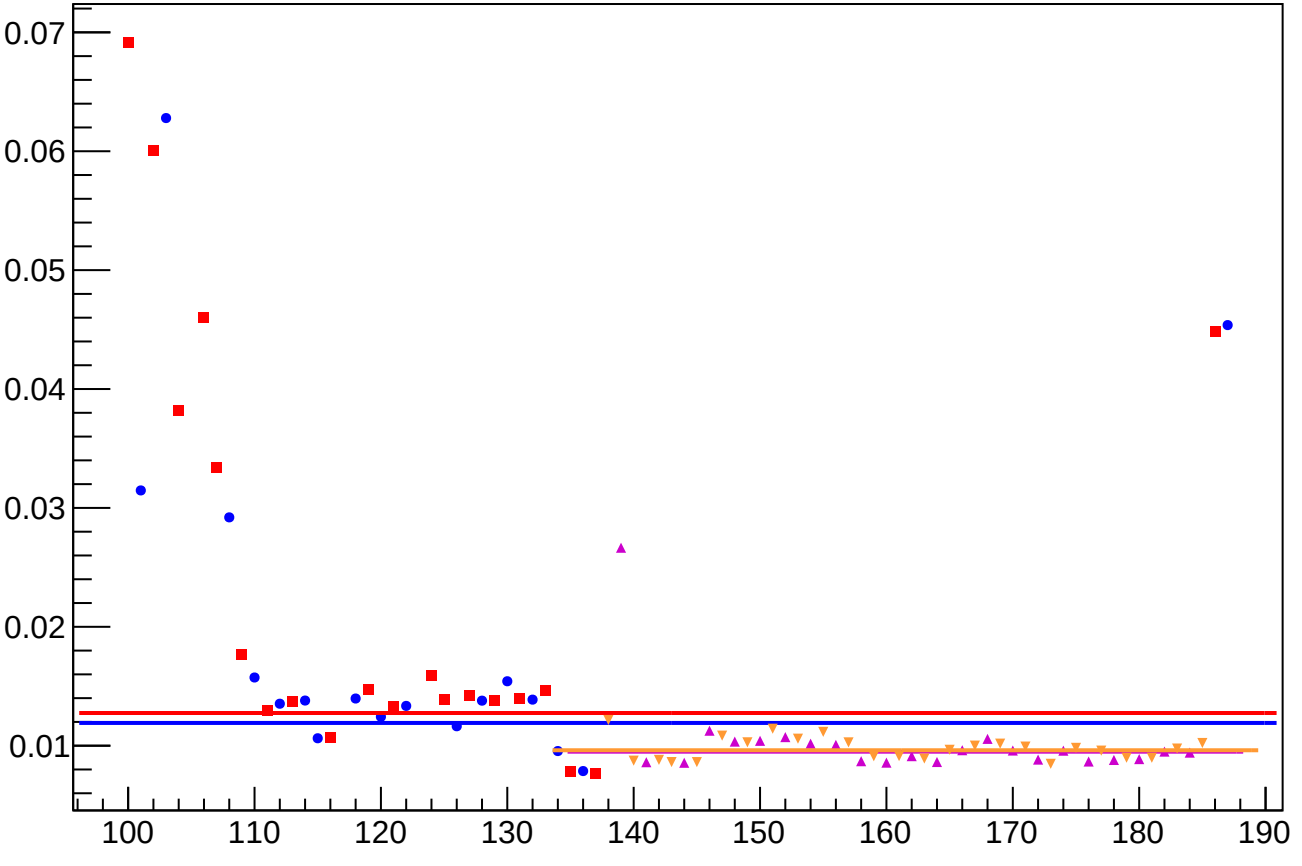
Right: -0.241+/-0.000 χ^2/NDF: 3862534667.5/36

In: -0.061+/-0.000 χ^2/NDF:4600920732.4/39

Out: -0.051+/-0.000 χ^2/NDF:4074399595.0/44

All: -0.056+/-0.000 χ^2/NDF: 8683962620.8/8

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2133915.3/16

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2607159.0/19

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

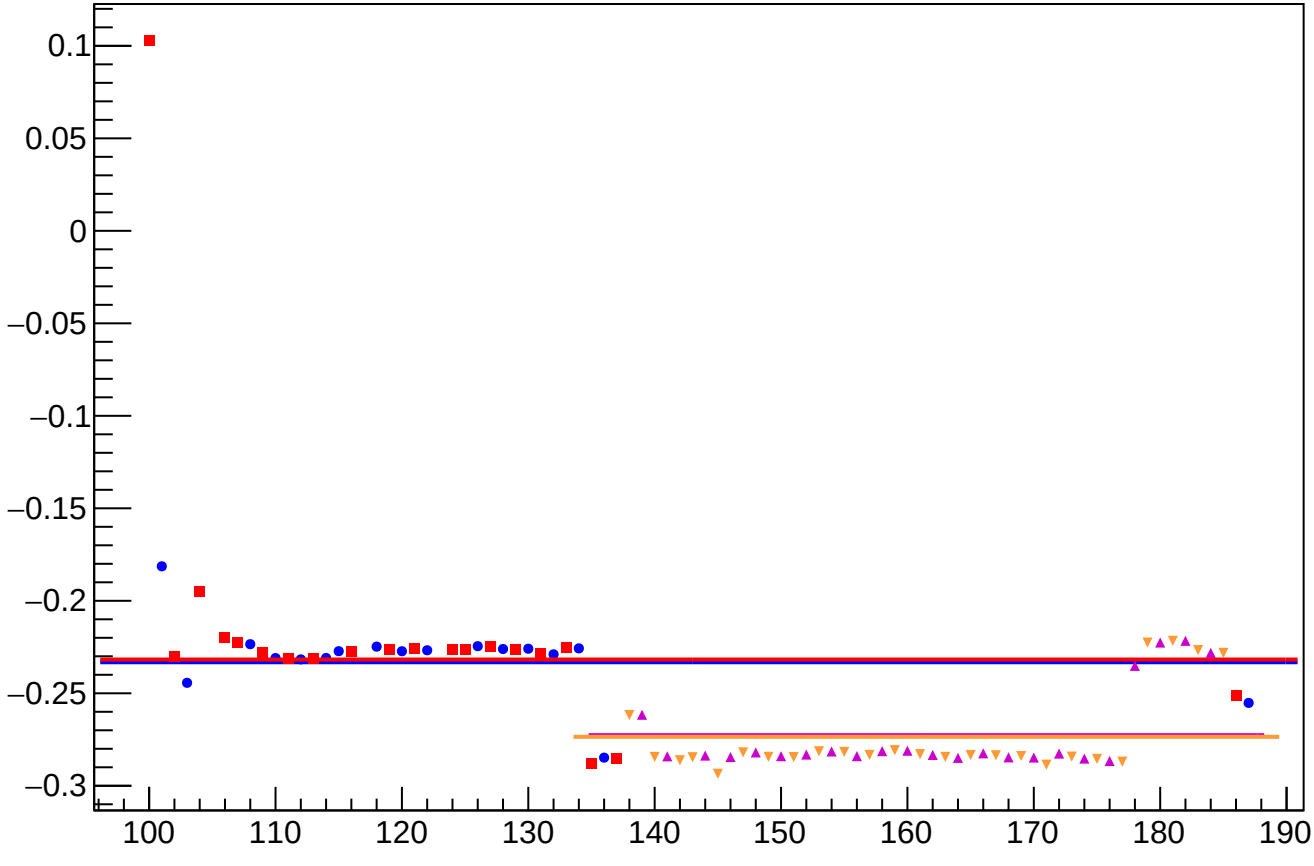
Right: 0.012+/-0.000 χ^2/NDF: 4764585.9/36

In: 0.010+/-0.000 χ^2/NDF:3377691.4/39

Out: 0.010+/-0.000 χ^2/NDF:3410749.4/44

All: 0.010+/-0.000 χ^2/NDF: 6794804.3/84

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199785000.0/16

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.232+/-0.000 χ^2/NDF: 287362958.0/19

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

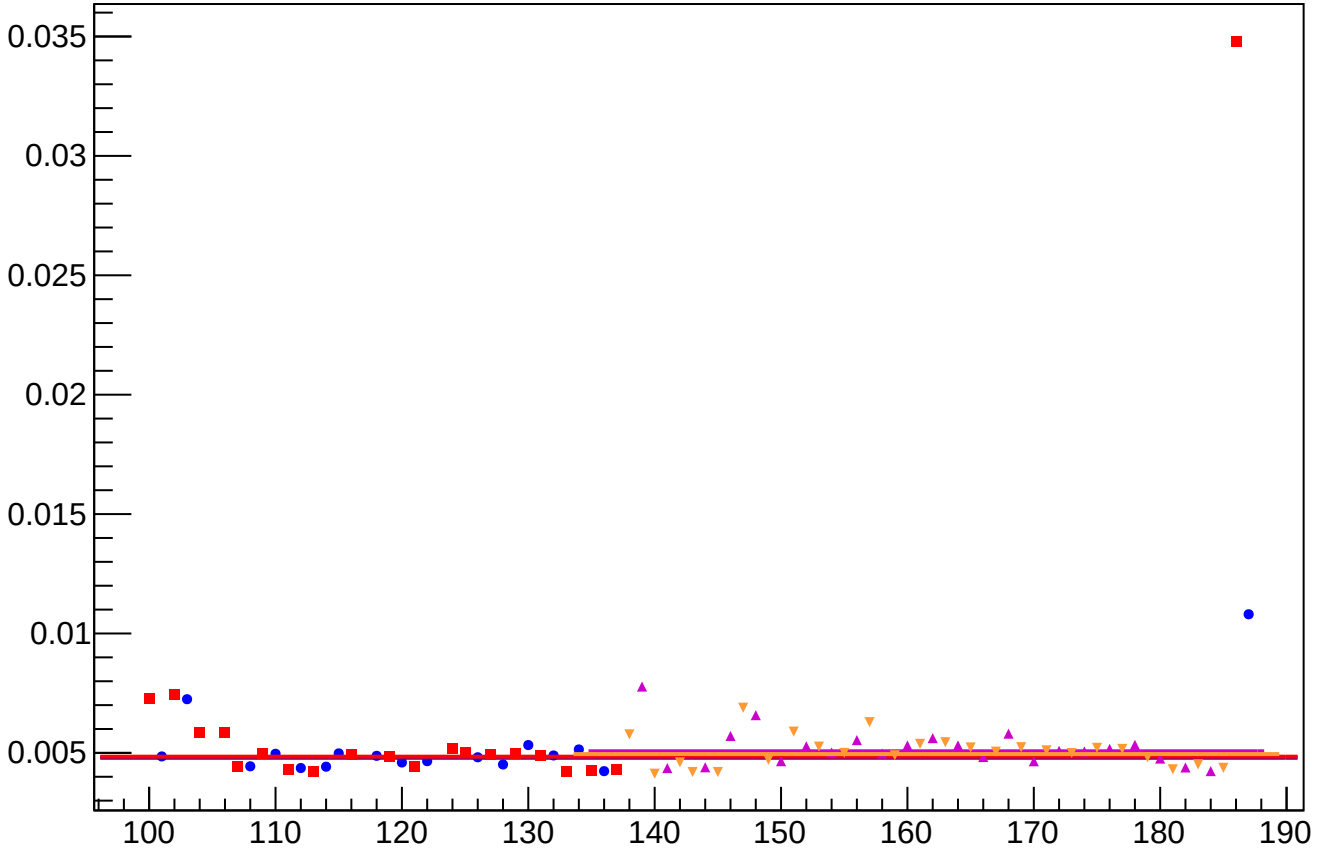
Right: -0.232+/-0.000 χ^2/NDF: 487464181.2/36

In: -0.261+/-0.000 χ^2/NDF:844988496.2/39

Out: -0.262+/-0.000 χ^2/NDF:1046761476.5/44

All: -0.261+/-0.000 χ^2/NDF: 1892130127.9/8

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 300072.6/16

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 861972.8/19

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

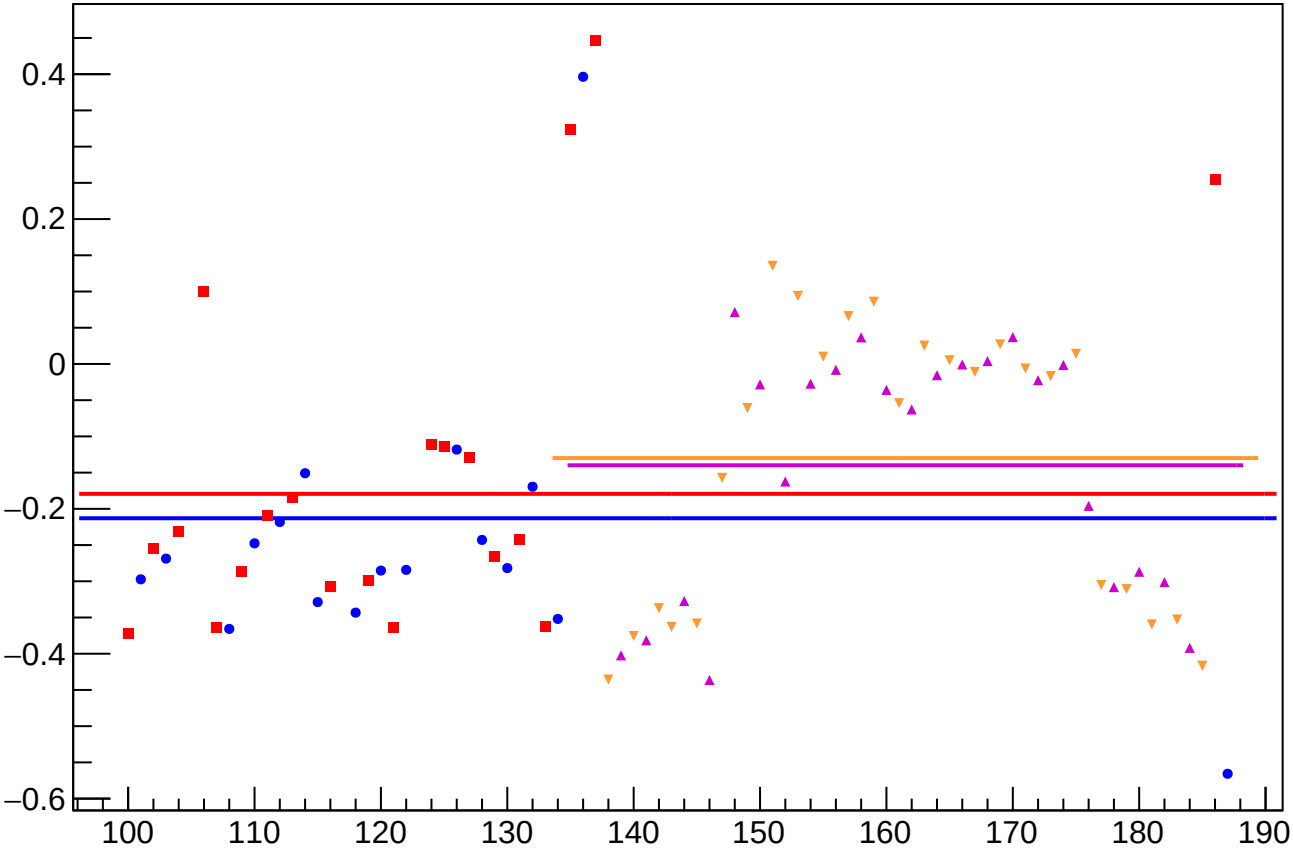
Right: 0.005+/-0.000 χ^2/NDF: 1162559.7/36

In: 0.005+/-0.000 χ^2/NDF:868263.1/39

Out: 0.005+/-0.000 χ^2/NDF:1395755.4/44

All: 0.005+/-0.000 χ^2/NDF: 2268492.3/84

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.213+/-0.000 χ^2/NDF: 6603502430.1/16

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.179+/-0.000 χ^2/NDF: 6707407936.7/19

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

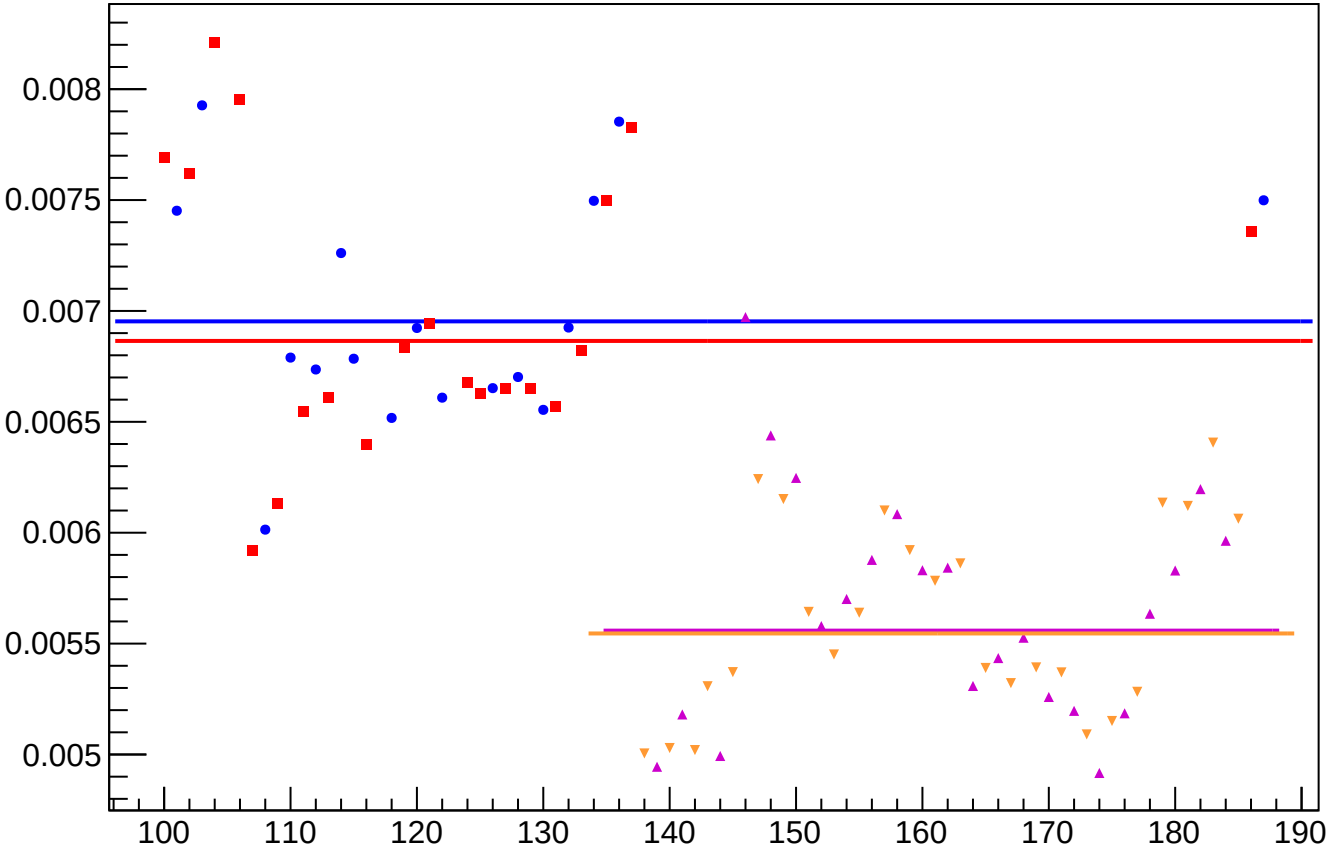
Right: -0.195+/-0.000 χ^2/NDF: 13399159648.1/36

In: -0.155+/-0.000 χ^2/NDF:22382071106.8/39

Out: -0.140+/-0.000 χ^2/NDF:28513020672.1/44

All: -0.148+/-0.000 χ^2/NDF: 50975749928.0/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 87143.5/16

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 103562.4/19

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

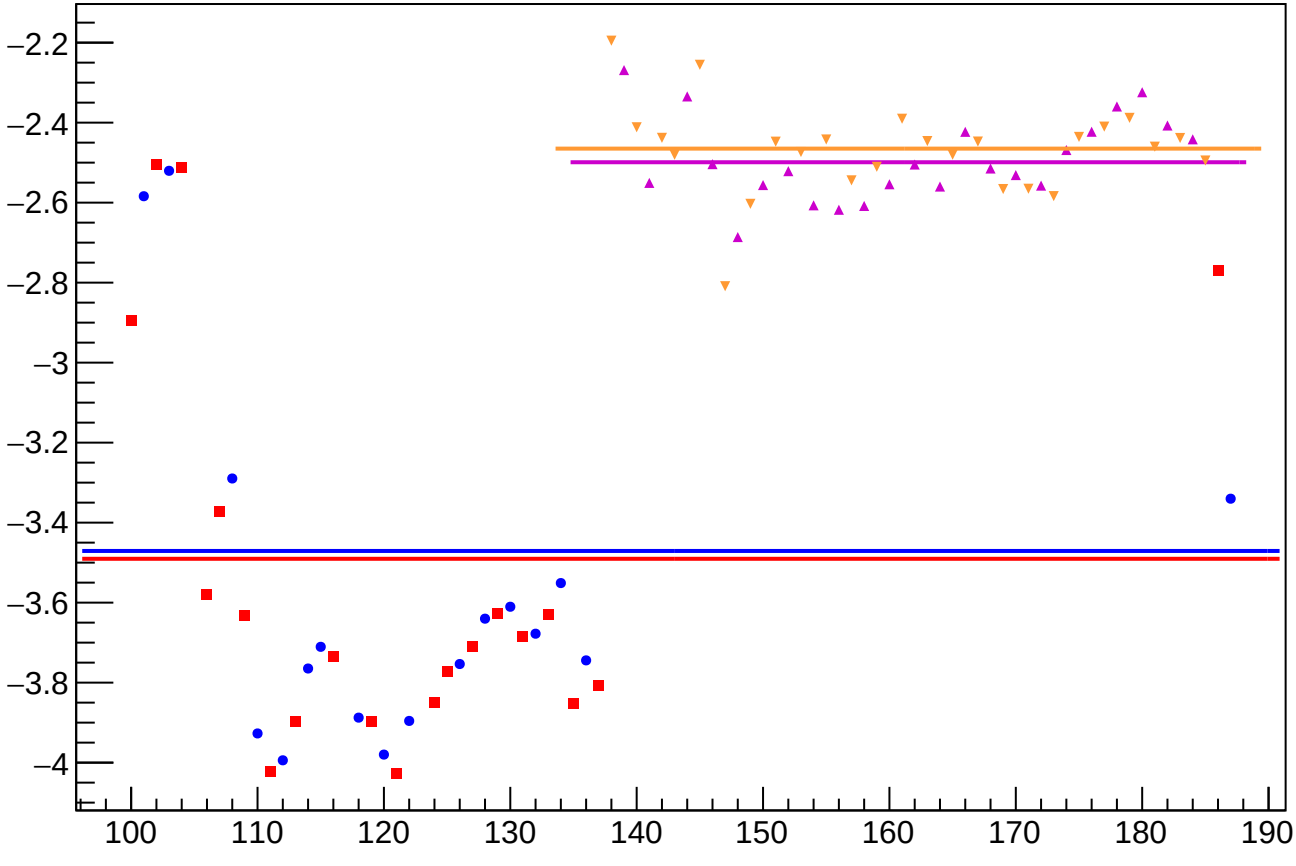
Right: 0.007+/-0.000 χ^2/NDF: 191914.2/36

In: 0.006+/-0.000 χ^2/NDF:806411.0/39

Out: 0.006+/-0.000 χ^2/NDF:747780.7/44

All: 0.006+/-0.000 χ^2/NDF: 1554671.2/84

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.471+/-0.000 χ^2/NDF: 29612779294.7/16

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.490+/-0.000 χ^2/NDF: 31398624612.6/19

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

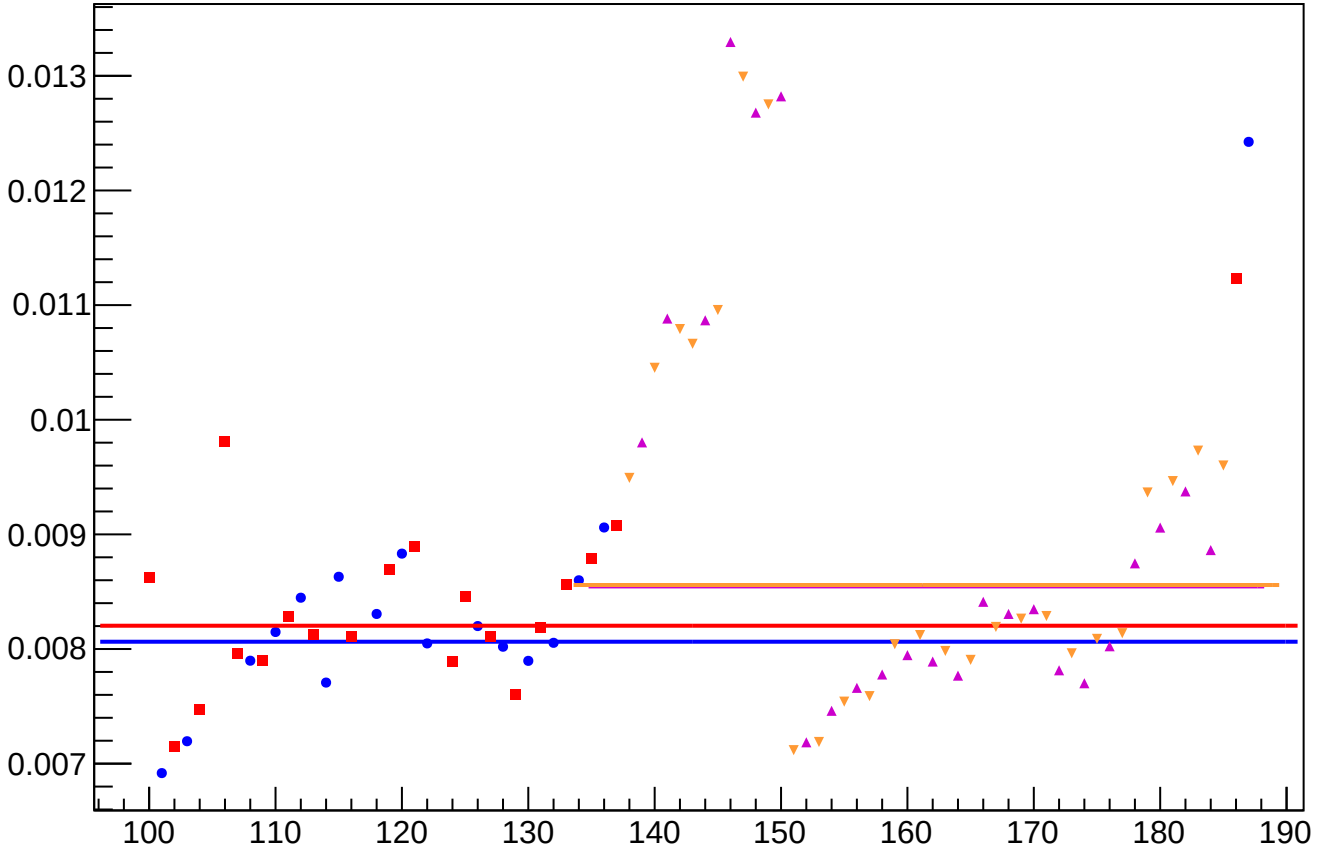
Right: -3.481+/-0.000 χ^2/NDF: 61032604019.1/36

In: -2.810+/-0.000 χ^2/NDF:102512714851.6/39

Out: -2.783+/-0.000 χ^2/NDF:114178944557.5/44

All: -2.796+/-0.000 χ^2/NDF: 216811968921.3

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 131753.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 130734.4/19

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

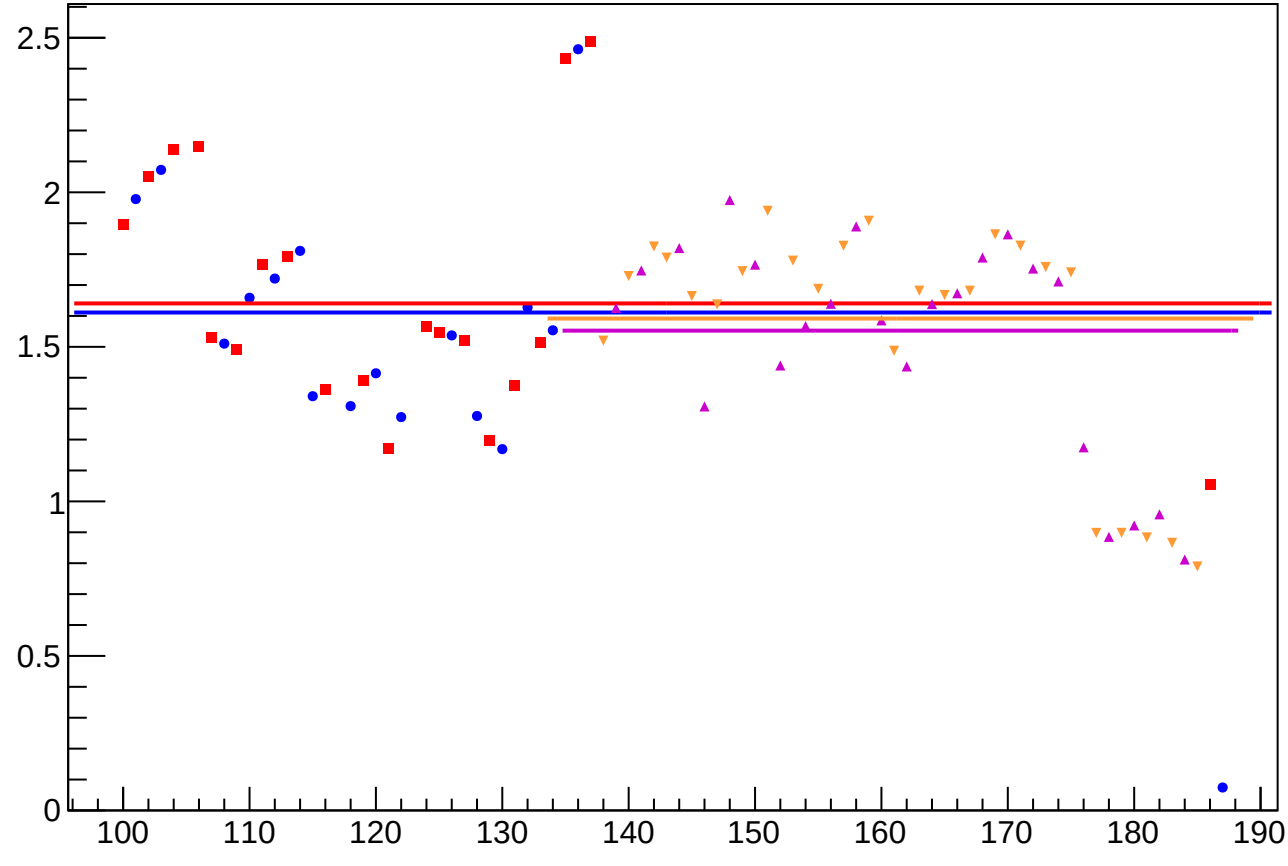
Right: 0.008+/-0.000 χ^2/NDF: 264642.8/36

In: 0.008+/-0.000 χ^2/NDF:1077314.0/39

Out: 0.008+/-0.000 χ^2/NDF:974103.7/44

All: 0.008+/-0.000 χ^2/NDF: 2052529.4/84

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.611+/-0.000 χ^2/NDF: 9773210619.5/16

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.640+/-0.000 χ^2/NDF: 7140702421.4/19

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

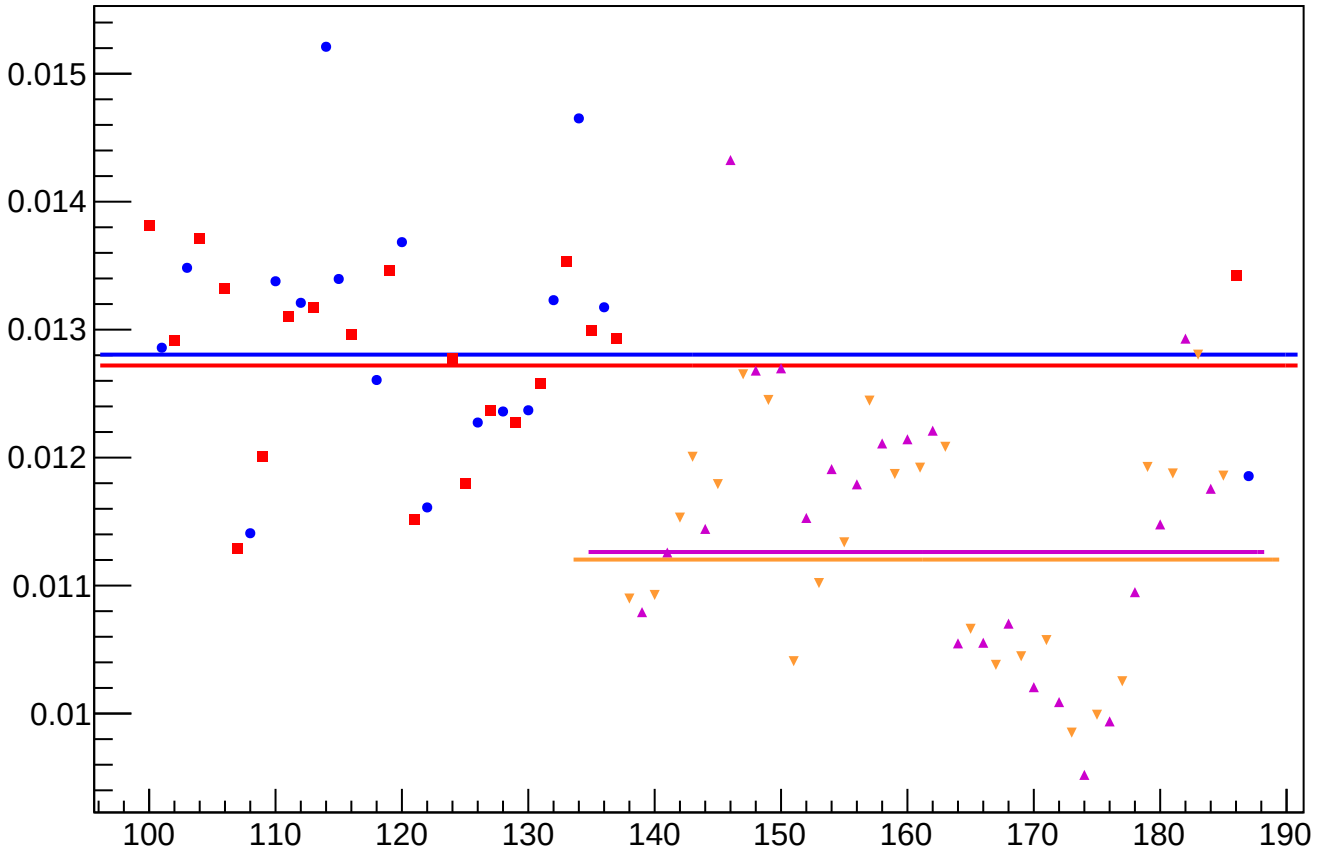
Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

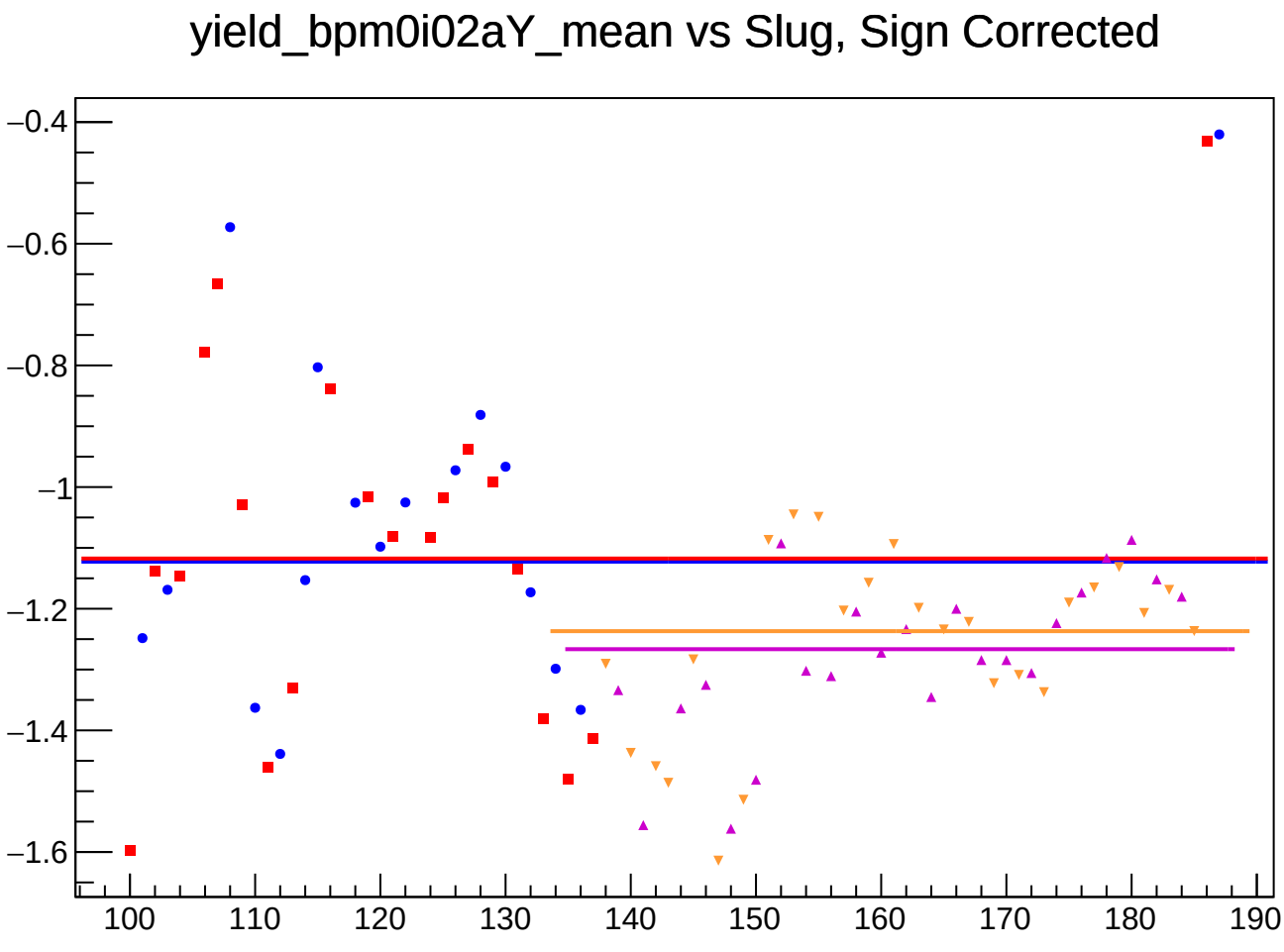
Right: 1.626+/-0.000 χ^2/NDF: 16933498809.5/36

In: 1.567+/-0.000 χ^2/NDF:23943554472.8/39

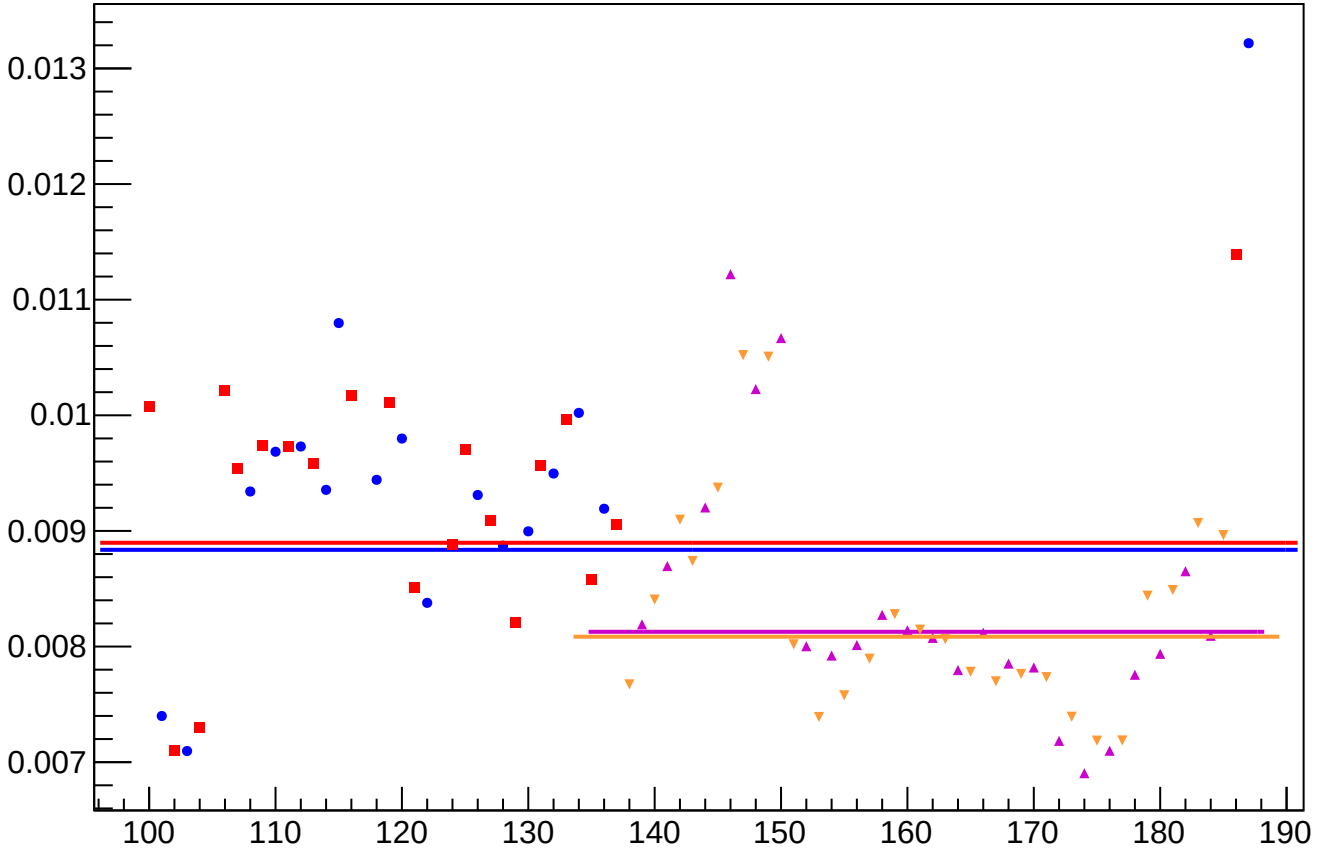
Out: 1.603+/-0.000 χ^2/NDF:24304735416.8/44

All: 1.586+/-0.000 χ^2/NDF: 48374434806.6/8


yield_bpm0i02aX_rms vs Slug, Sign Corrected
0.015
0.014
0.013
0.012
0.011
0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.013+/-0.000 χ²/NDF: 54887.5/16
Left Out: 0.011+/-0.000 χ²/NDF:223594.3/24
Right Out: 0.013+/-0.000 χ²/NDF: 45546.0/19
Left In: 0.011+/-0.000 χ²/NDF:311660.7/22
Left: 0.011+/-0.000 χ²/NDF: 535750.7/47
Right: 0.013+/-0.000 χ²/NDF: 100761.0/36
In: 0.012+/-0.000 χ²/NDF:524622.7/39
Out: 0.012+/-0.000 χ²/NDF:433036.2/44
All: 0.012+/-0.000 χ²/NDF: 958494.1/84


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
170
180
190
Right In: -1.123+/-0.000 χ²/NDF: 4301070068.3/16
Left Out: -1.237+/-0.000 χ²/NDF:4972272024.7/24
Right Out: -1.118+/-0.000 χ²/NDF: 5019170062.0/19
Left In: -1.267+/-0.000 χ²/NDF:3674801511.3/22
Left: -1.251+/-0.000 χ²/NDF: 8764581472.4/47
Right: -1.120+/-0.000 χ²/NDF: 9321422322.3/36
In: -1.230+/-0.000 χ²/NDF:9356377844.8/39
Out: -1.207+/-0.000 χ²/NDF:10977911697.7/44
All: -1.218+/-0.000 χ²/NDF: 20425257257.0/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 213246.4/16

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 243367.0/19

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

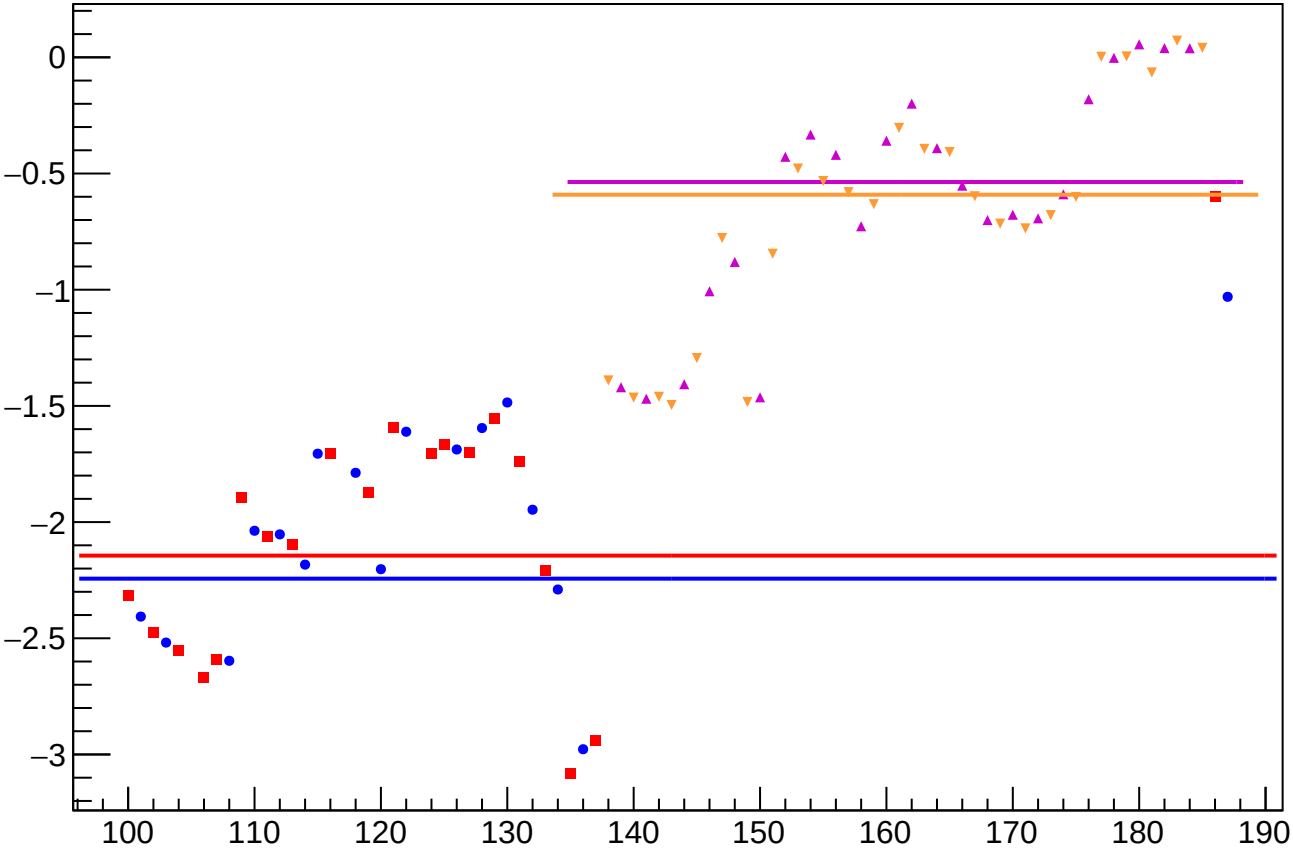
Right: 0.009+/-0.000 χ^2/NDF: 456953.6/36

In: 0.008+/-0.000 χ^2/NDF:689270.6/39

Out: 0.008+/-0.000 χ^2/NDF:661569.4/44

All: 0.008+/-0.000 χ^2/NDF: 1351001.3/84

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.243+/-0.000 χ^2/NDF: 20303380781.8/16

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -2.144+/-0.000 χ^2/NDF: 39292935592.1/19

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

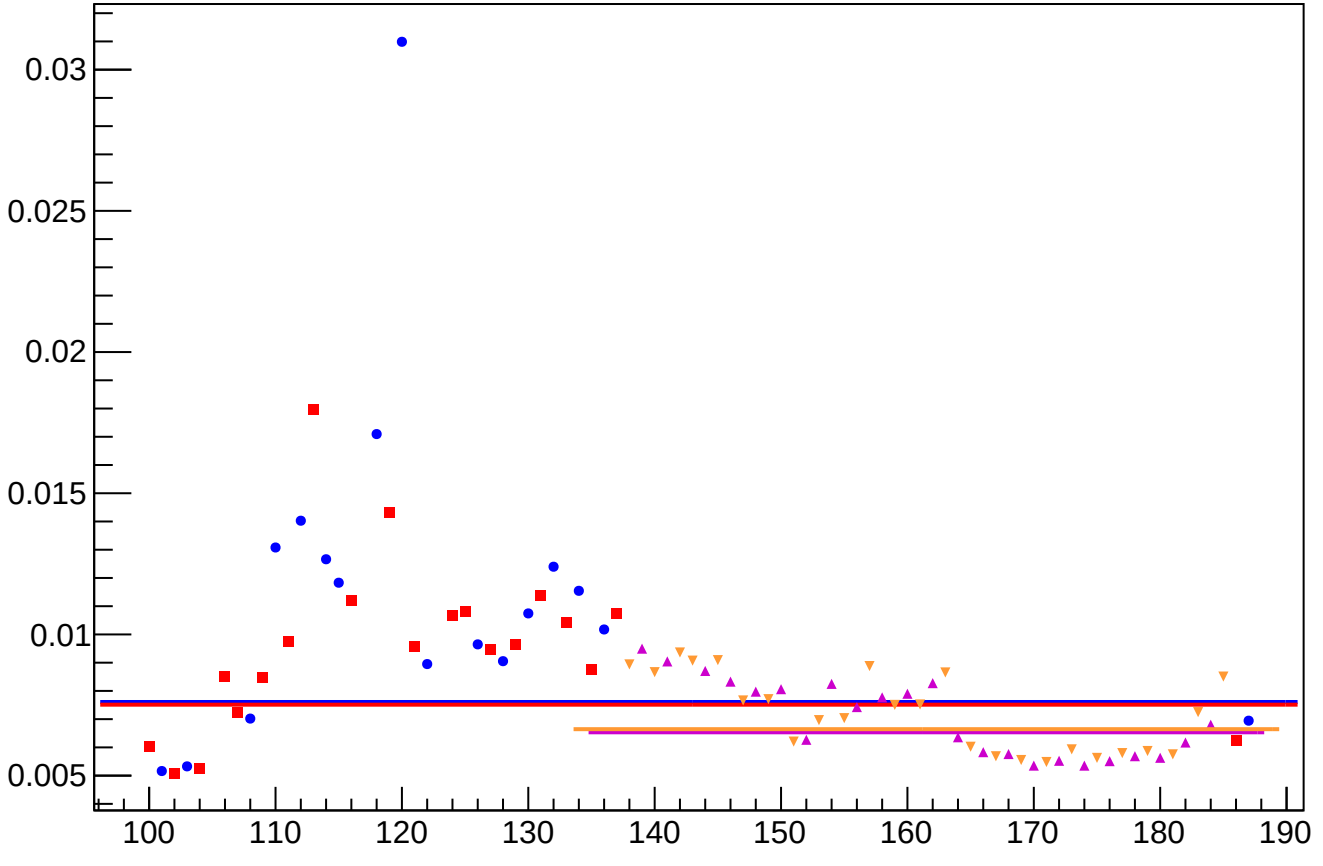
Right: -2.190+/-0.000 χ^2/NDF: 60072452128.5/36

In: -0.871+/-0.000 χ^2/NDF:302633500790.3/39

Out: -0.925+/-0.000 χ^2/NDF:308558766965.4/44

All: -0.899+/-0.000 χ^2/NDF: 611874282544.4

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1713823.7/16

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1348186.7/19

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

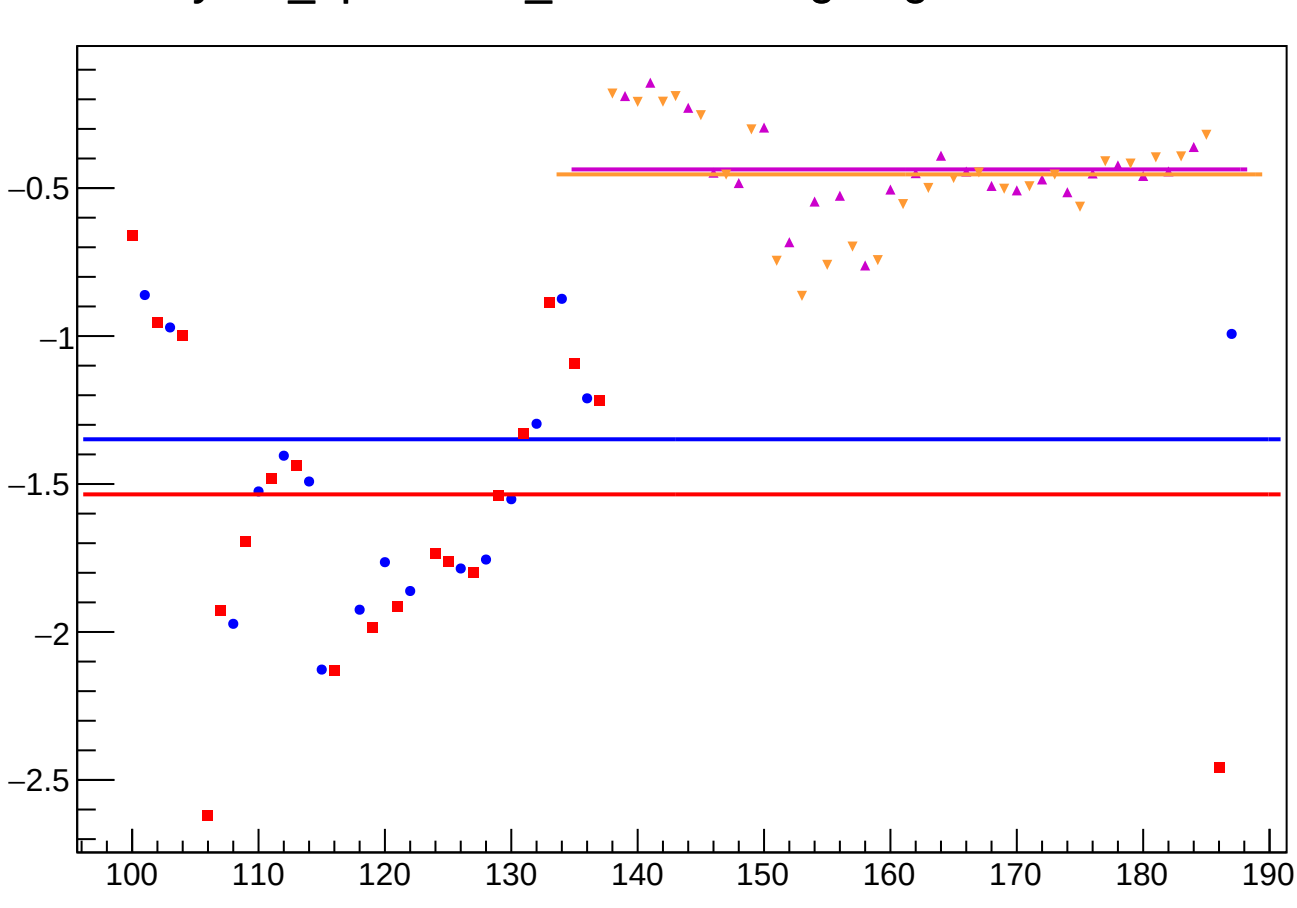
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.008+/-0.000 χ^2/NDF: 3062879.5/36

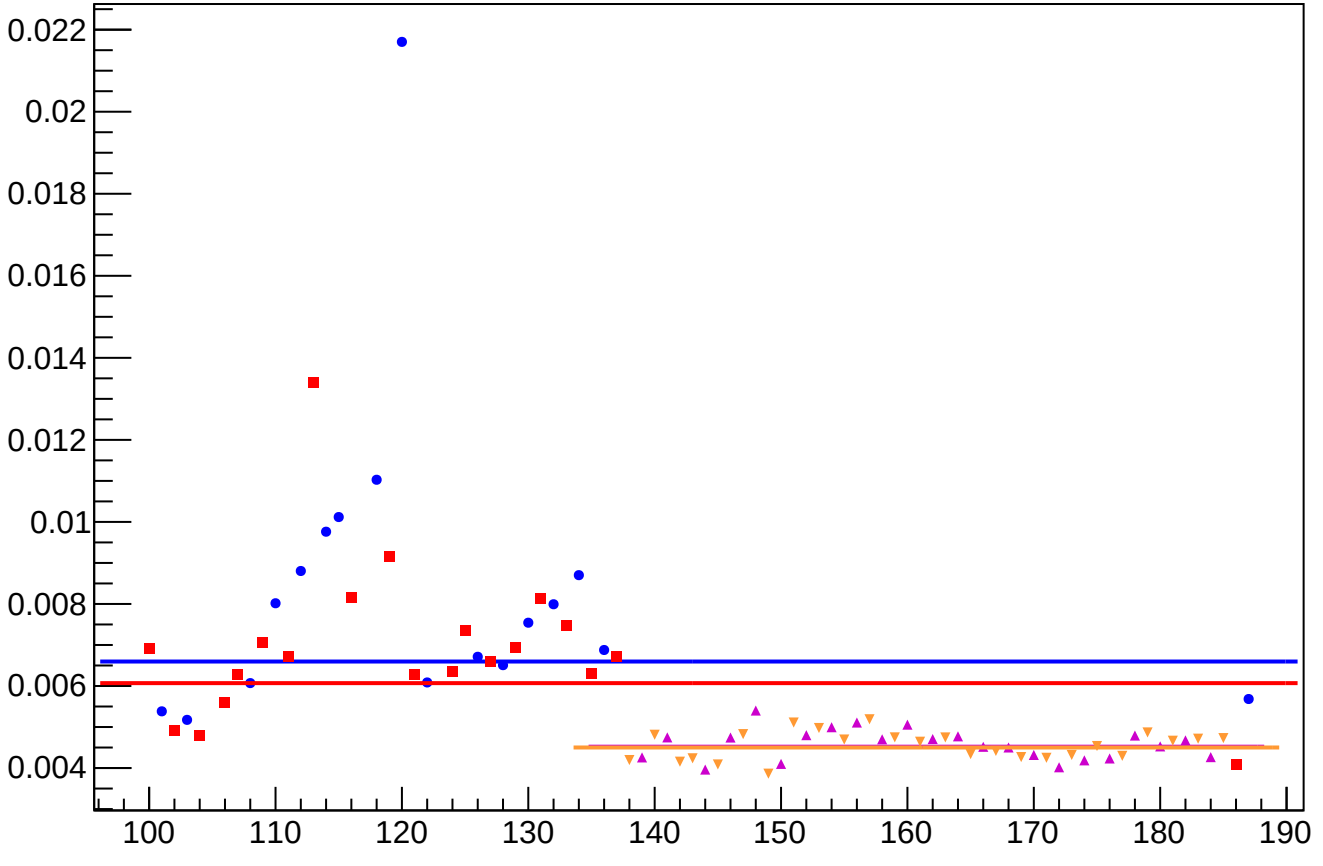
In: 0.007+/-0.000 χ^2/NDF:3032616.8/39

Out: 0.007+/-0.000 χ^2/NDF:2562893.6/44

All: 0.007+/-0.000 χ^2/NDF: 5599037.5/84


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
190
Right In: -1.349+/-0.000 χ²/NDF: 22024366534.9/16
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.535+/-0.000 χ²/NDF: 50313084695.6/19
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.453+/-0.000 χ²/NDF: 74977257367.3/36
In: -0.567+/-0.000 χ²/NDF:135494918894.0/39
Out: -0.633+/-0.000 χ²/NDF:248265215125.9/44
All: -0.602+/-0.000 χ²/NDF: 385920960776.

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 700798.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 716141.9/19

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

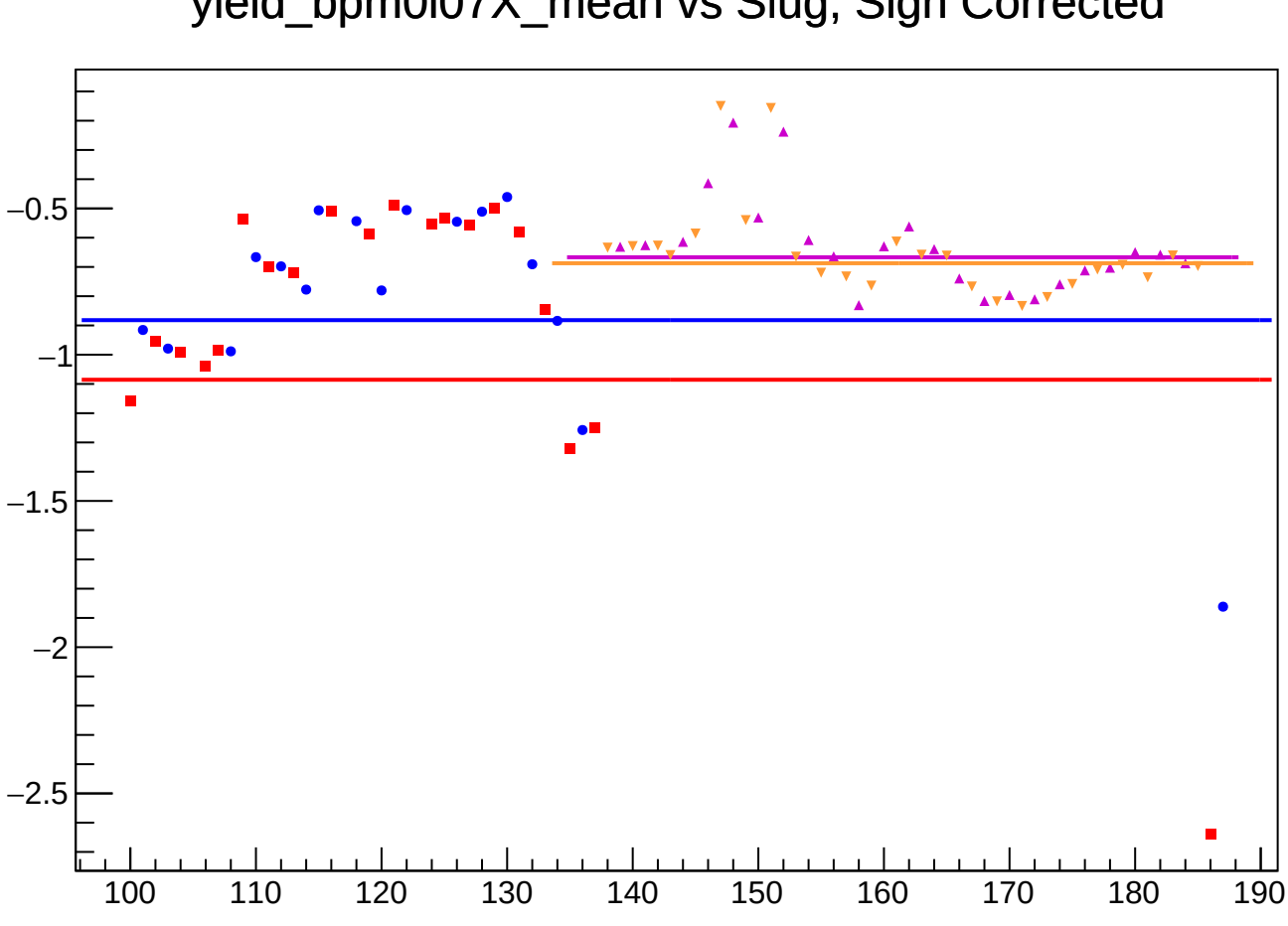
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.006+/-0.000 χ^2/NDF: 1459200.5/36

In: 0.005+/-0.000 χ^2/NDF:1917483.1/39

Out: 0.005+/-0.000 χ^2/NDF:1616328.3/44

All: 0.005+/-0.000 χ^2/NDF: 3536928.0/84



Right In: -0.882+/-0.000 χ^2/NDF: 23575280287.6/16

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.086+/-0.000 χ^2/NDF: 115651195879.2/19

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

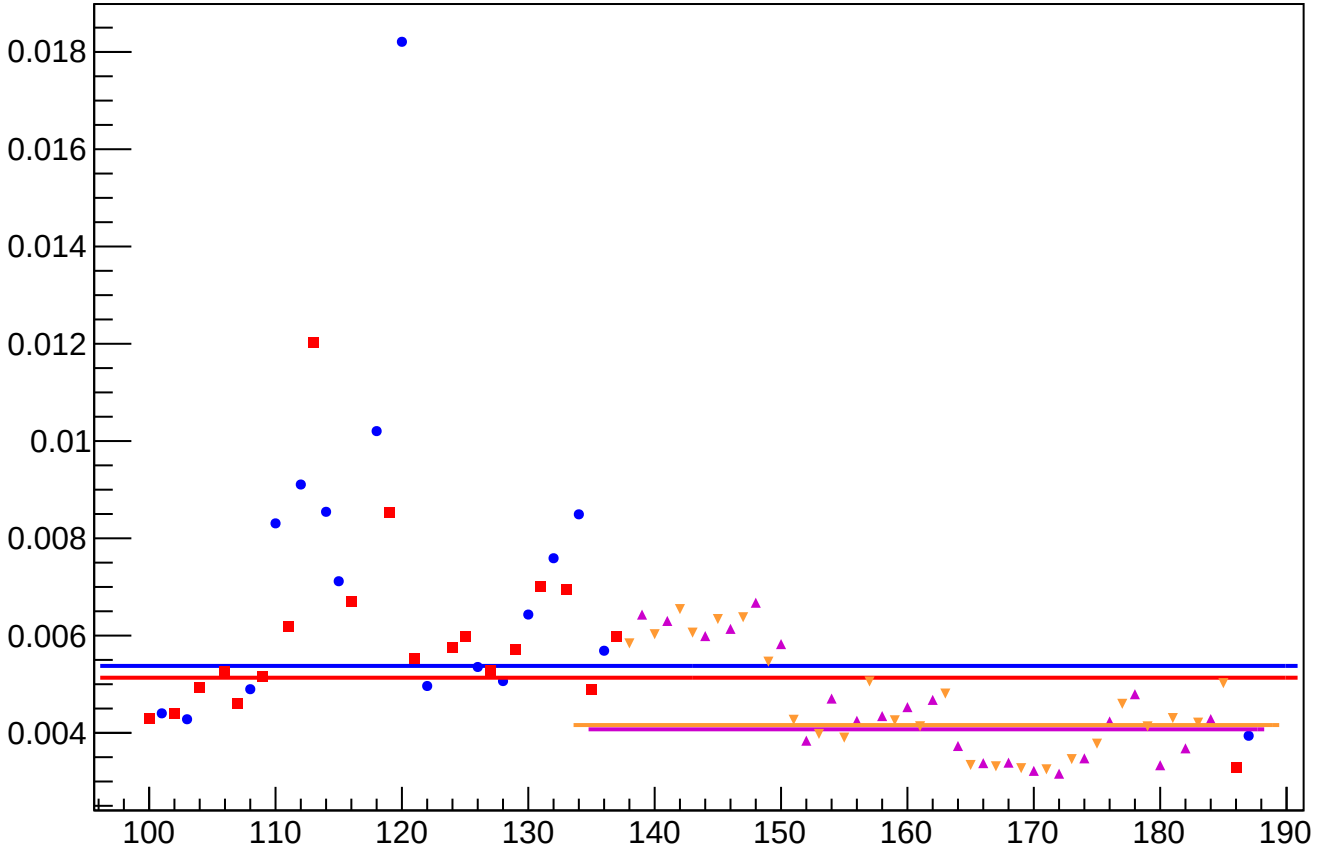
Right: -0.993+/-0.000 χ^2/NDF: 143679406954.8/36

In: -0.704+/-0.000 χ^2/NDF:53614462728.3/39

Out: -0.766+/-0.000 χ^2/NDF:168323739757.7/44

All: -0.735+/-0.000 χ^2/NDF: 224218873528.8

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1010272.6/16

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 791568.9/19

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

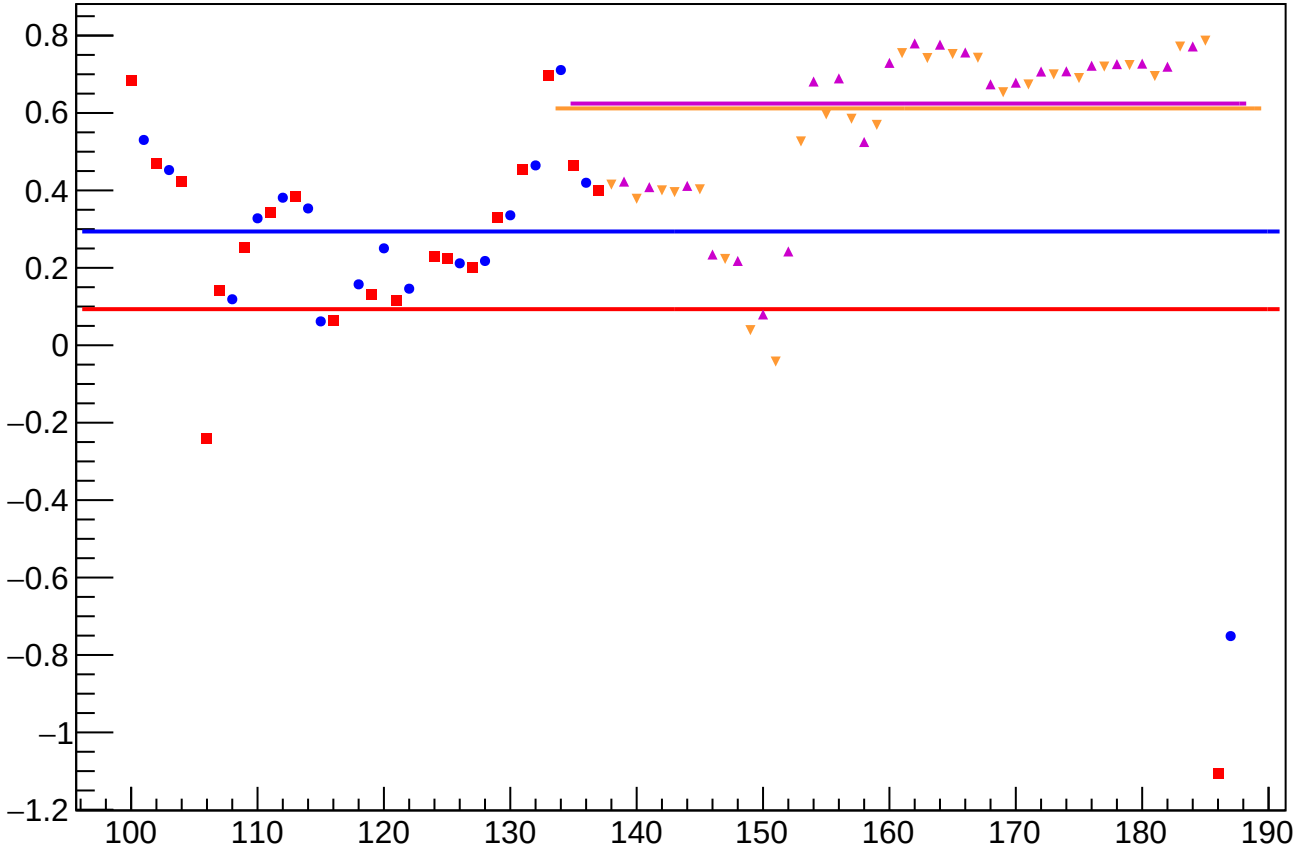
Right: 0.005+/-0.000 χ^2/NDF: 1814470.8/36

In: 0.004+/-0.000 χ^2/NDF:3312695.0/39

Out: 0.004+/-0.000 χ^2/NDF:2672392.1/44

All: 0.004+/-0.000 χ^2/NDF: 5988949.7/84

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.294+/-0.000 χ^2/NDF: 36316046087.1/16

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: 0.093+/-0.000 χ^2/NDF: 156892102184.0/19

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

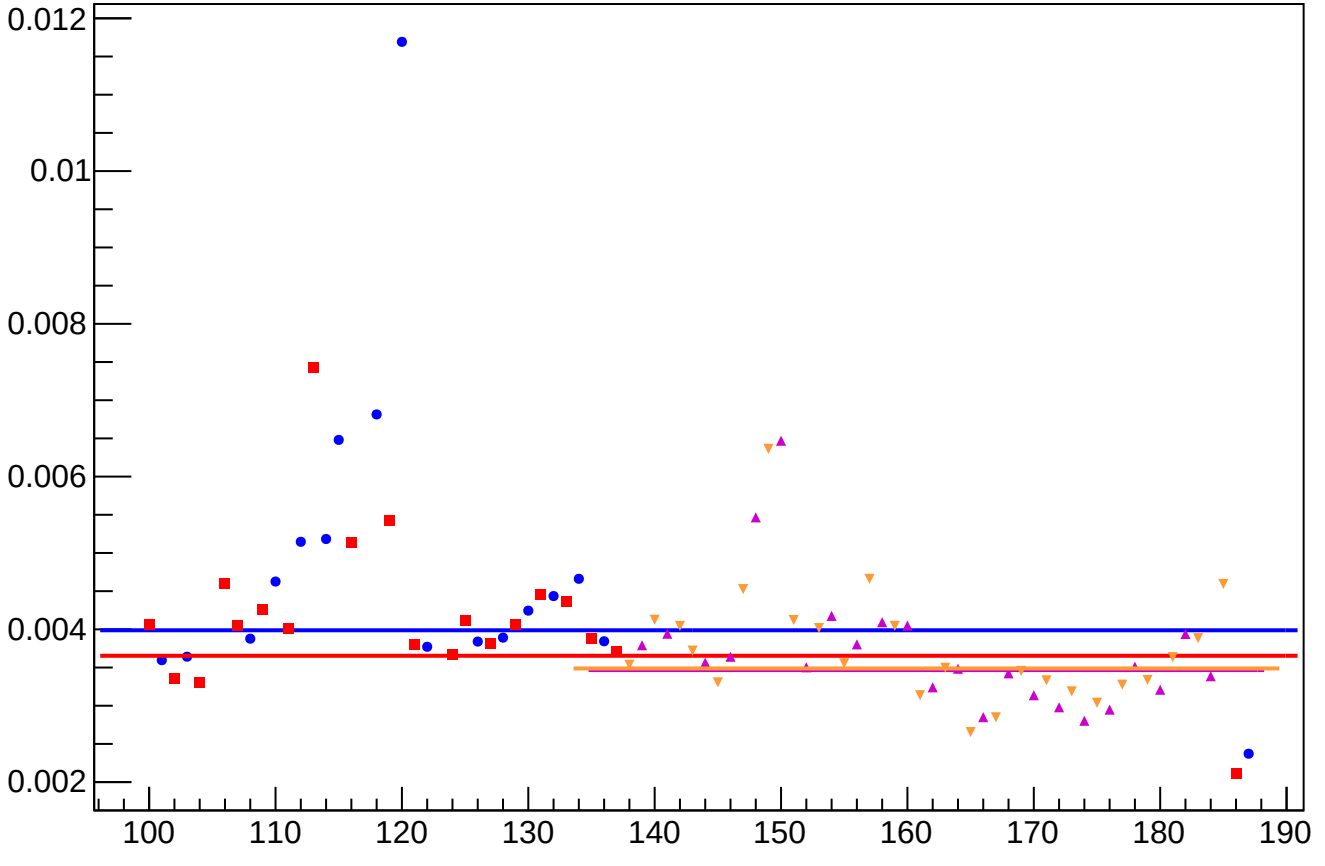
Right: 0.182+/-0.000 χ^2/NDF: 201943271269.0/36

In: 0.547+/-0.000 χ^2/NDF:109199675202.0/39

Out: 0.471+/-0.000 χ^2/NDF:298698996458.2/44

All: 0.507+/-0.000 χ^2/NDF: 412807993535.1

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 623449.4/16

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.004+/-0.000 χ^2/NDF: 792259.2/19

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

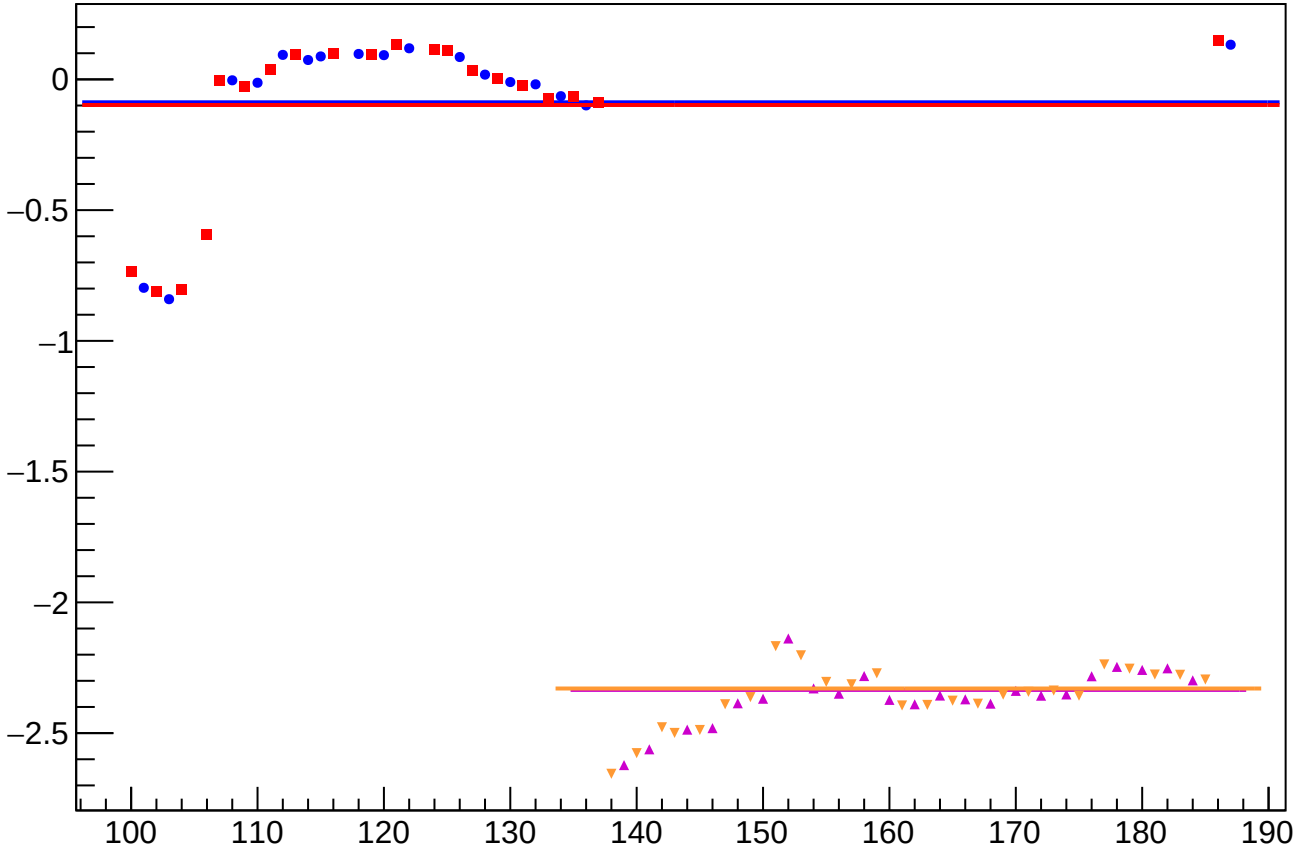
Right: 0.004+/-0.000 χ^2/NDF: 1464115.8/36

In: 0.004+/-0.000 χ^2/NDF:1679293.2/39

Out: 0.004+/-0.000 χ^2/NDF:1662667.7/44

All: 0.004+/-0.000 χ^2/NDF: 3347462.0/84

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.000 χ^2/NDF: 5583333480.8/16

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.098+/-0.000 χ^2/NDF: 6434200767.5/19

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

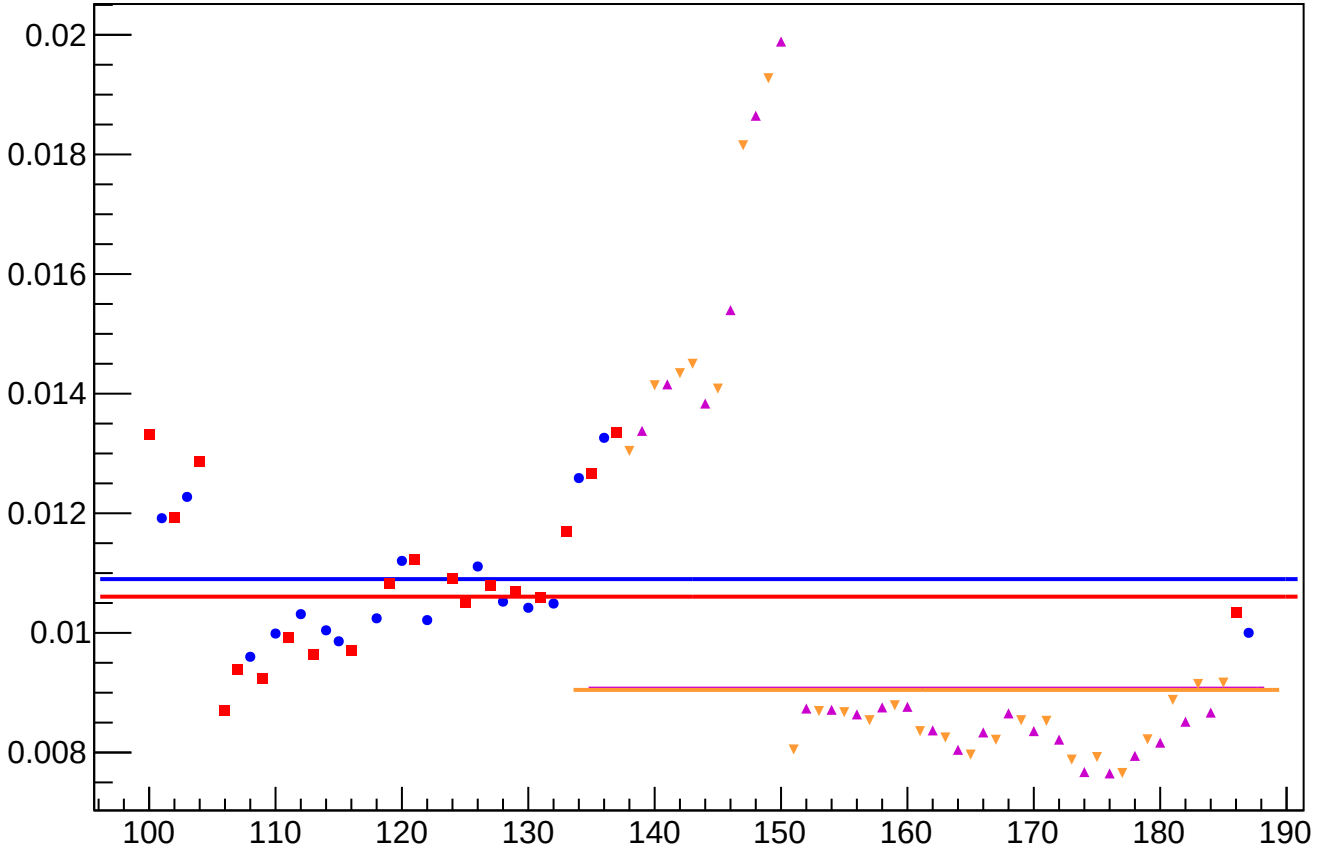
Right: -0.093+/-0.000 χ^2/NDF: 12020913804.0/36

In: -1.823+/-0.000 χ^2/NDF:247128546005.2/39

Out: -1.800+/-0.000 χ^2/NDF:271034414279.7/44

All: -1.811+/-0.000 χ^2/NDF: 518239363204.3

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 139592.3/16

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 191114.5/19

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

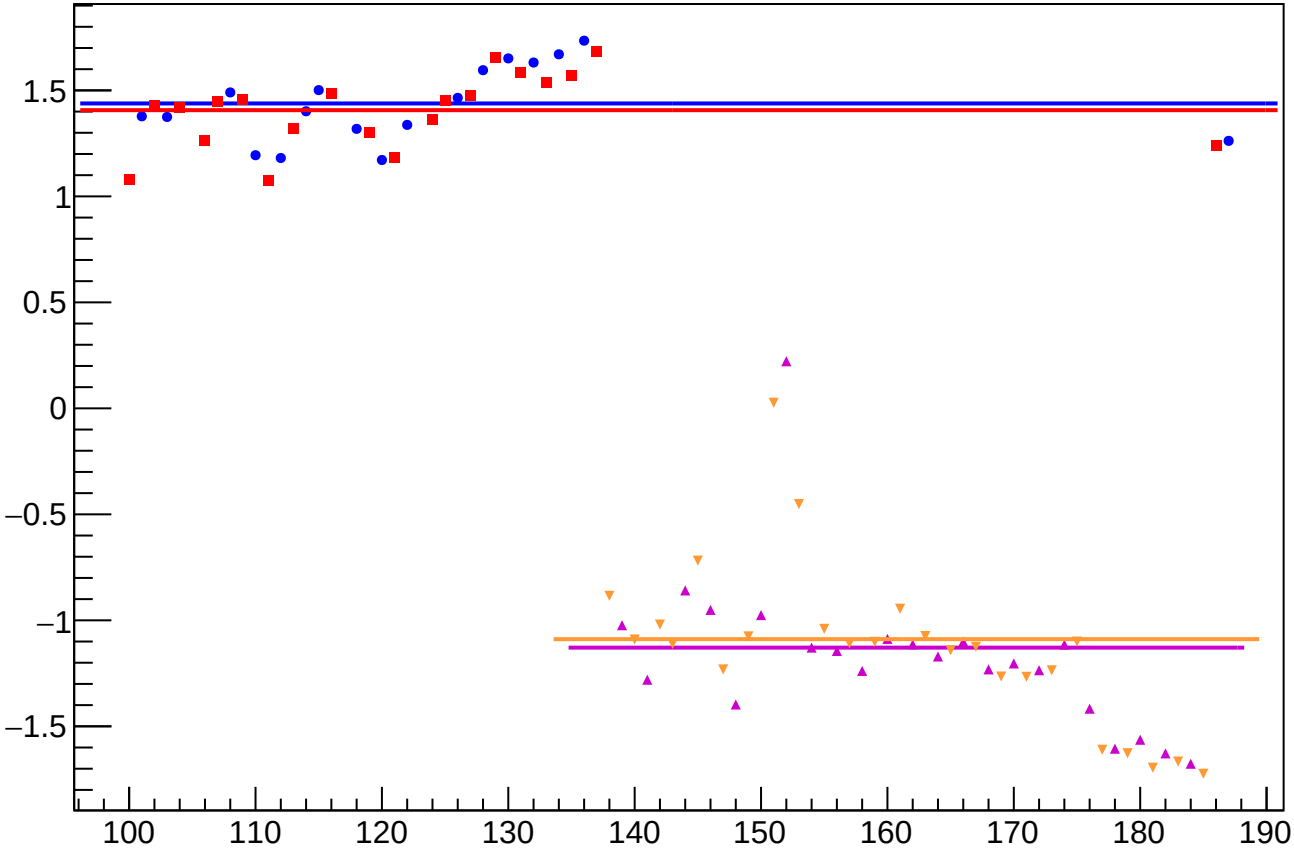
Right: 0.011+/-0.000 χ^2/NDF: 336322.6/36

In: 0.009+/-0.000 χ^2/NDF:2592455.4/39

Out: 0.009+/-0.000 χ^2/NDF:2496121.8/44

All: 0.009+/-0.000 χ^2/NDF: 5089878.1/84

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.438+/-0.000 χ^2/NDF: 3844188092.4/16

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.407+/-0.000 χ^2/NDF: 3014628539.6/19

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

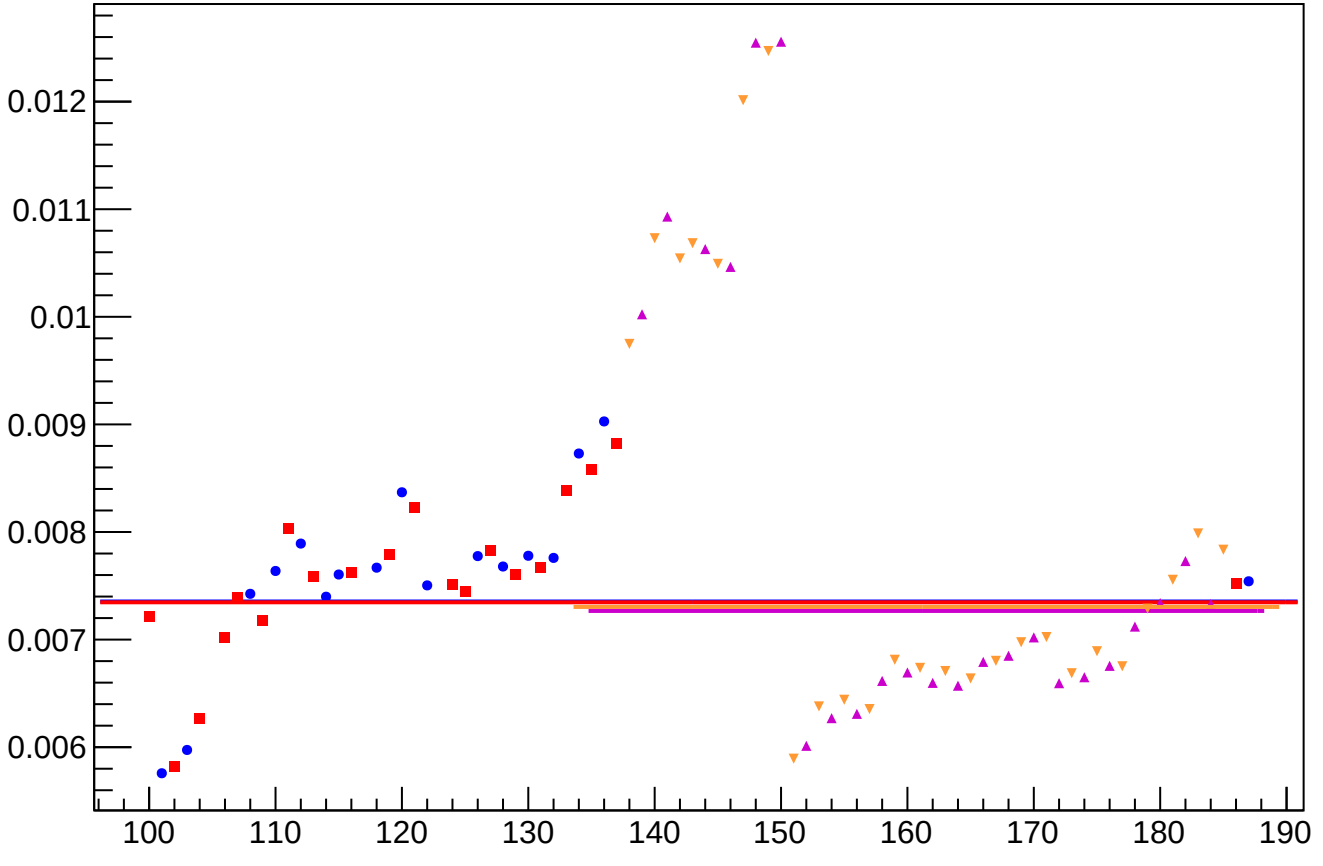
Right: 1.422+/-0.000 χ^2/NDF: 6928388524.7/36

In: -0.388+/-0.000 χ^2/NDF:691558977252.0/39

Out: -0.356+/-0.000 χ^2/NDF:698043484419.3/44

All: -0.372+/-0.000 χ^2/NDF: 1389860172352

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 271101.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 195833.7/19

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

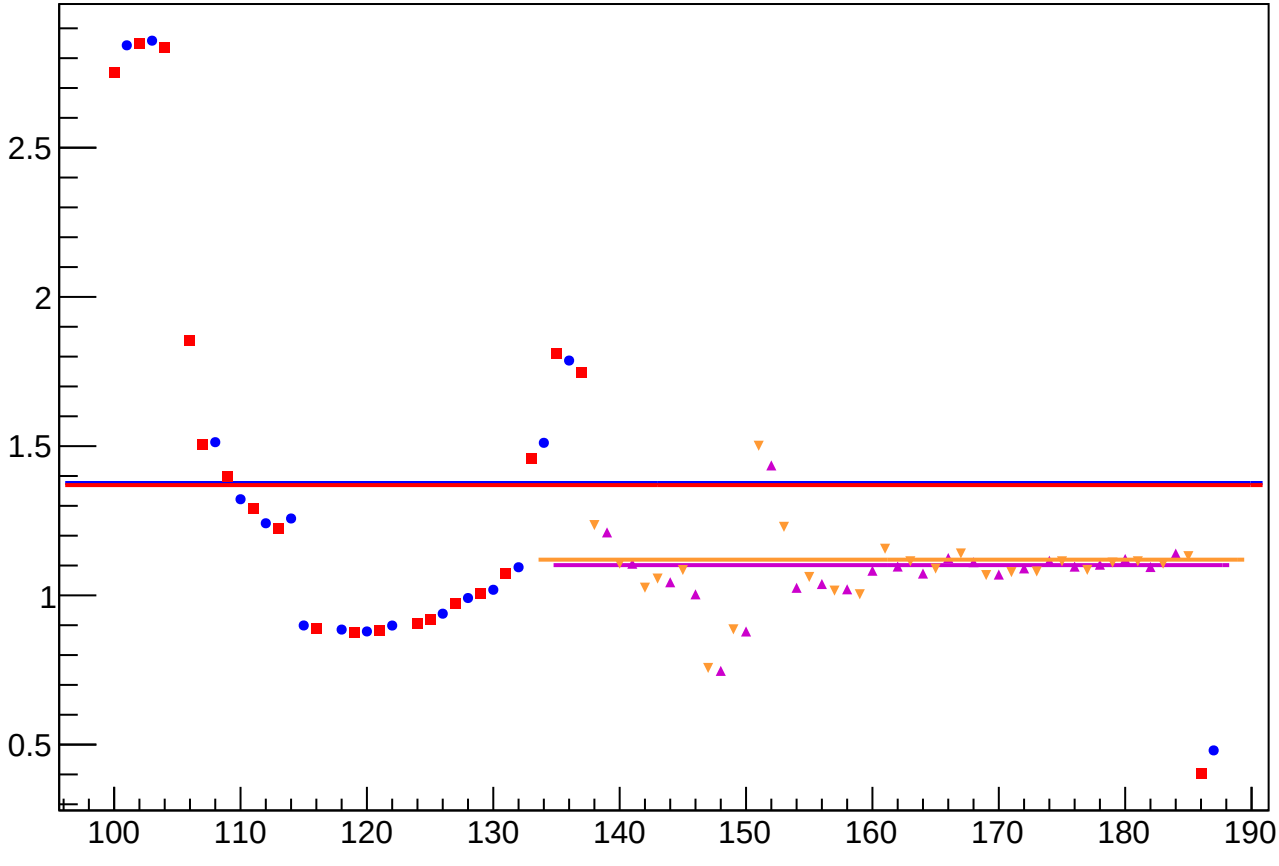
Right: 0.007+/-0.000 χ^2/NDF: 466942.3/36

In: 0.007+/-0.000 χ^2/NDF:1832660.5/39

Out: 0.007+/-0.000 χ^2/NDF:1700315.2/44

All: 0.007+/-0.000 χ^2/NDF: 3533265.3/84

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.376+/-0.000 χ^2/NDF: 60162141307.8/16

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.369+/-0.000 χ^2/NDF: 59148508868.6/19

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

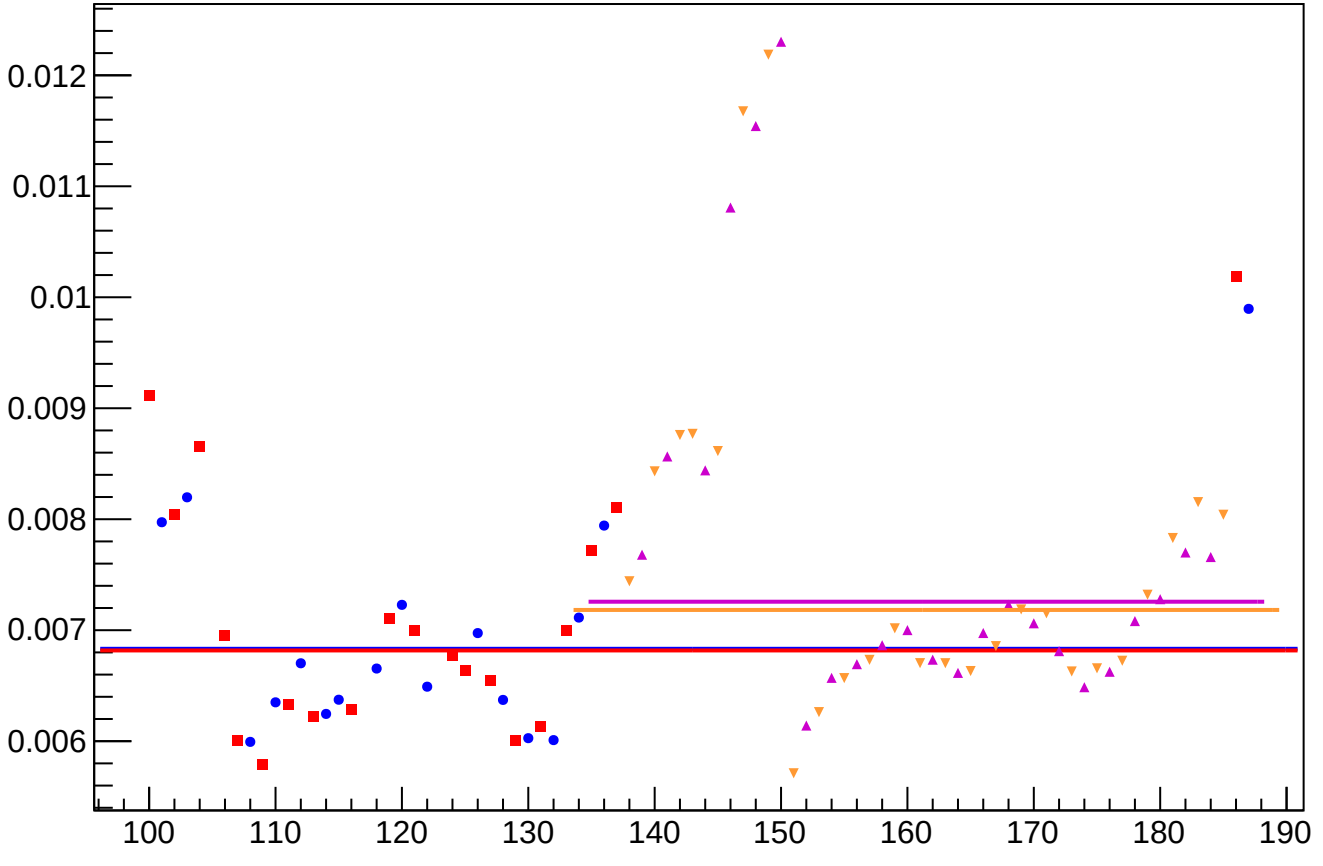
Right: 1.373+/-0.000 χ^2/NDF: 119314592722.1/36

In: 1.189+/-0.000 χ^2/NDF:72393764523.8/39

Out: 1.199+/-0.000 χ^2/NDF:71742102628.6/44

All: 1.194+/-0.000 χ^2/NDF: 144159953731.4

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 200680.6/16

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 290128.4/19

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

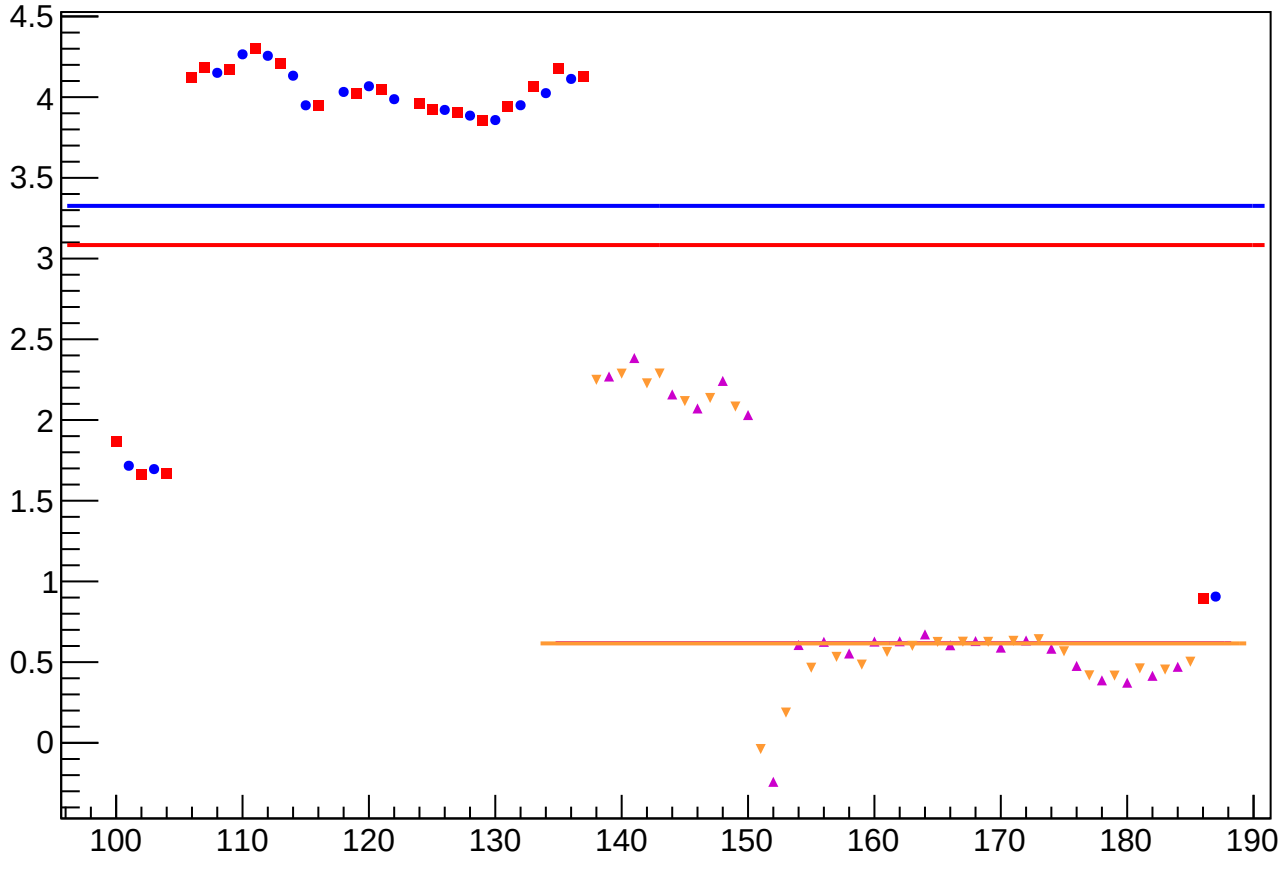
Right: 0.007+/-0.000 χ^2/NDF: 490844.0/36

In: 0.007+/-0.000 χ^2/NDF:1155571.9/39

Out: 0.007+/-0.000 χ^2/NDF:1214132.5/44

All: 0.007+/-0.000 χ^2/NDF: 2371207.3/84

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.326+/-0.000 χ^2/NDF: 365849978895.1/16

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 3.084+/-0.000 χ^2/NDF: 572793041261.4/19

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

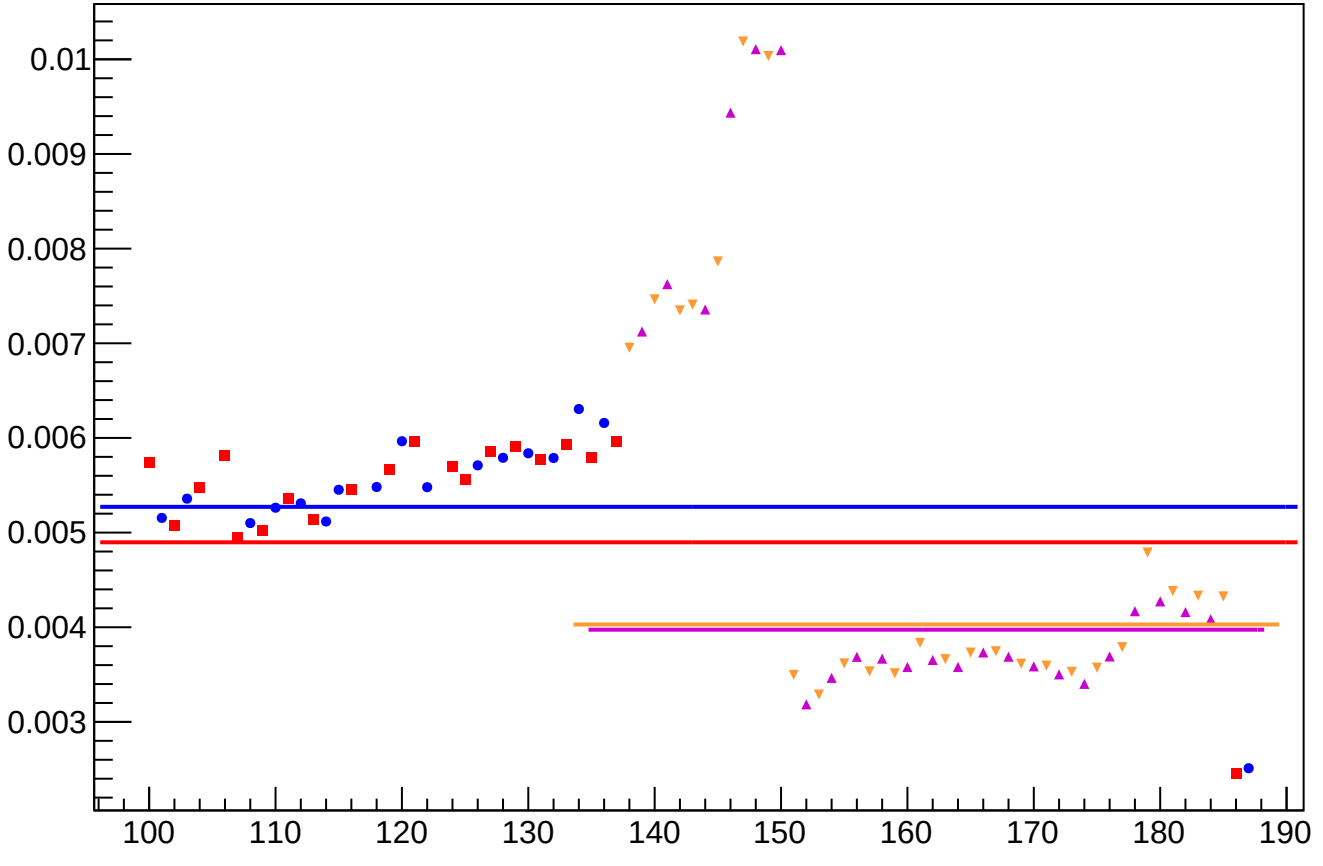
Right: 3.195+/-0.000 χ^2/NDF: 946794646869.0/36

In: 1.158+/-0.000 χ^2/NDF:2122636104567.9/39

Out: 1.163+/-0.000 χ^2/NDF:2250665193350.7/44

All: 1.161+/-0.000 χ^2/NDF: 4373315198063.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 485264.2/16

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 953028.0/19

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

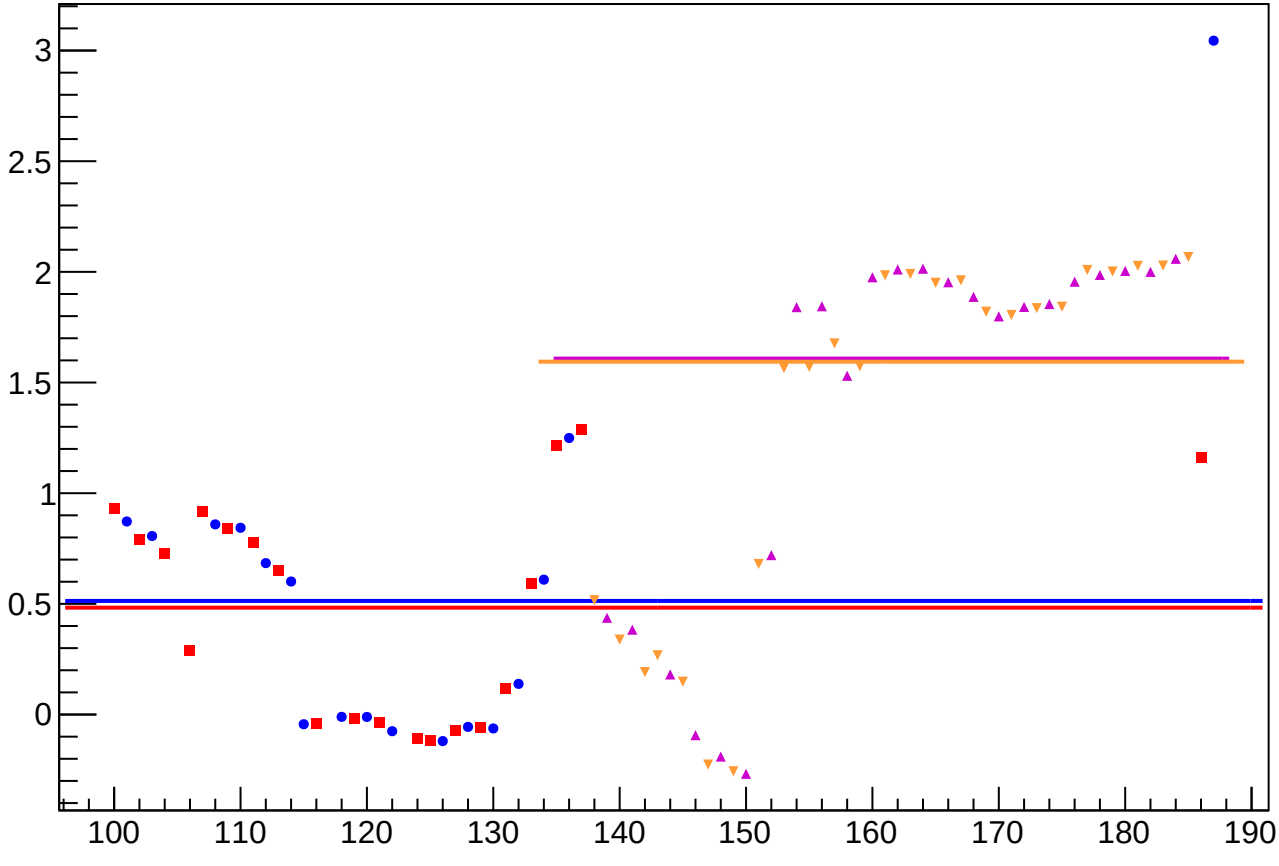
Right: 0.005+/-0.000 χ^2/NDF: 1477124.7/36

In: 0.004+/-0.000 χ^2/NDF:4297645.9/39

Out: 0.004+/-0.000 χ^2/NDF:4271057.4/44

All: 0.004+/-0.000 χ^2/NDF: 8568868.8/84

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.513+/-0.000 χ^2/NDF: 17935105579.2/16

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 0.483+/-0.000 χ^2/NDF: 8438055212.1/19

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

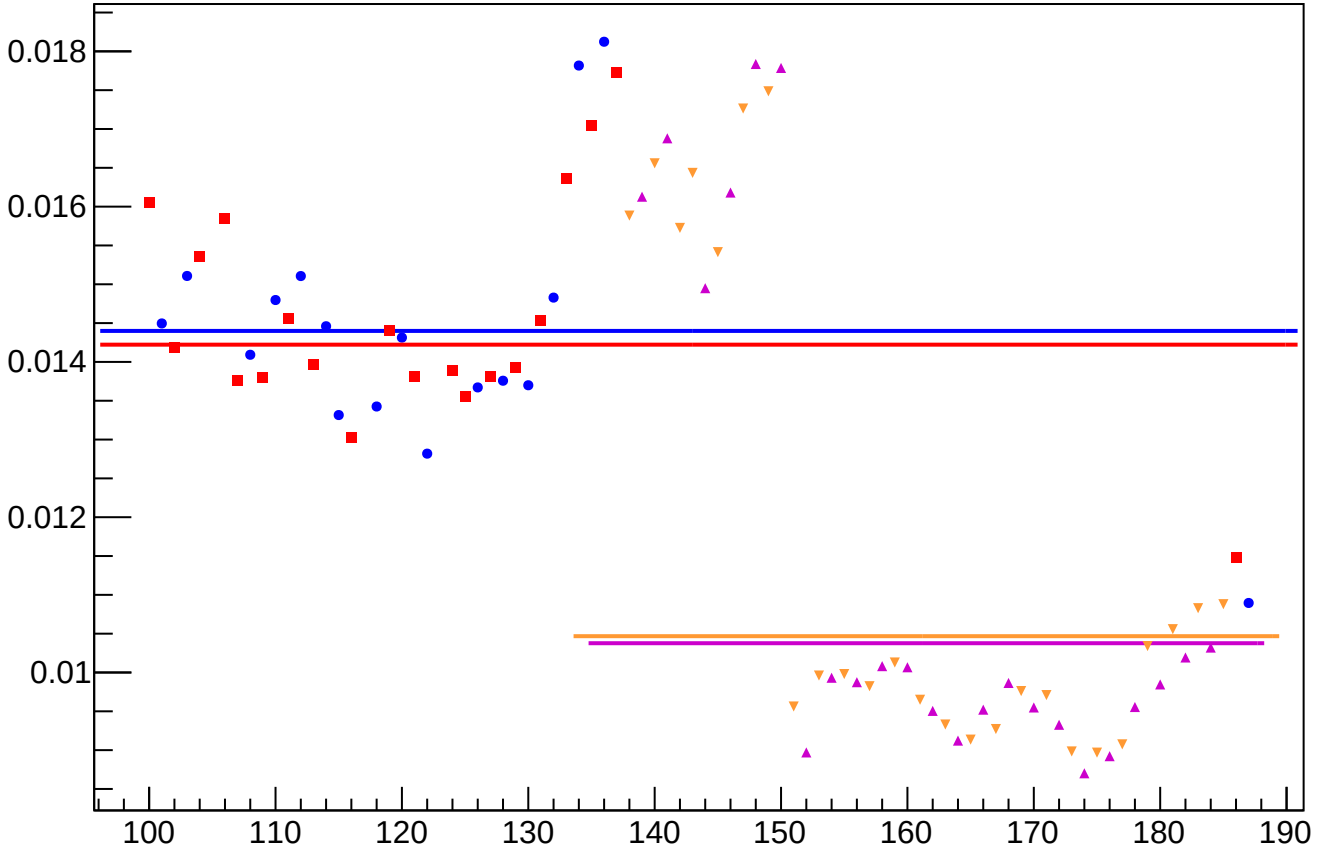
Right: 0.498+/-0.000 χ^2/NDF: 26389884498.7/36

In: 1.412+/-0.000 χ^2/NDF:118801538043.7/39

Out: 1.389+/-0.000 χ^2/NDF:109193808346.1/44

All: 1.400+/-0.000 χ^2/NDF: 228050377056.2

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 173458.0/16

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 127389.5/19

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

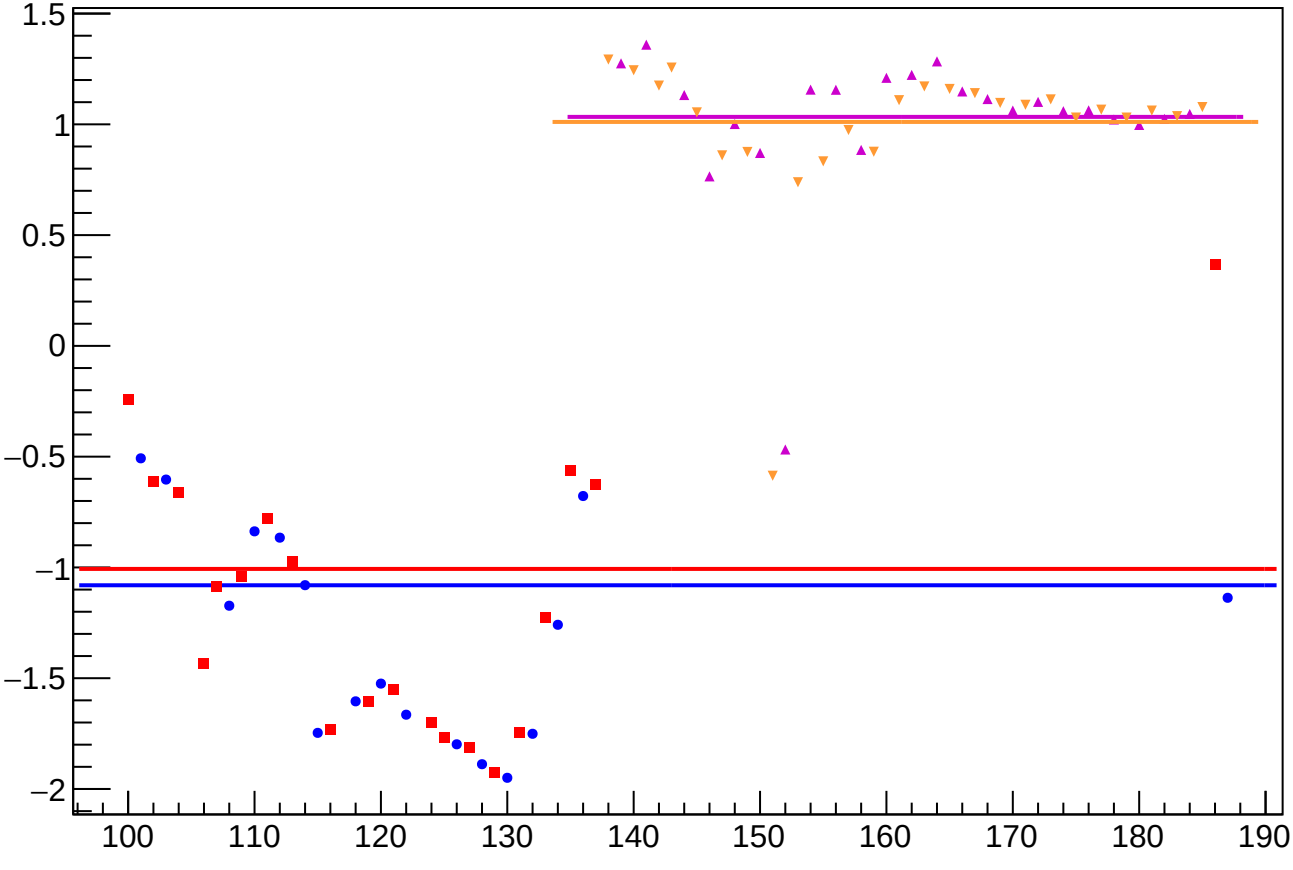
Right: 0.014+/-0.000 χ^2/NDF: 301988.7/36

In: 0.011+/-0.000 χ^2/NDF:2814404.7/39

Out: 0.011+/-0.000 χ^2/NDF:2659013.7/44

All: 0.011+/-0.000 χ^2/NDF: 5474269.4/84

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.081+/-0.000 χ^2/NDF: 59769344420.2/16

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.007+/-0.000 χ^2/NDF: 66045691754.4/19

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

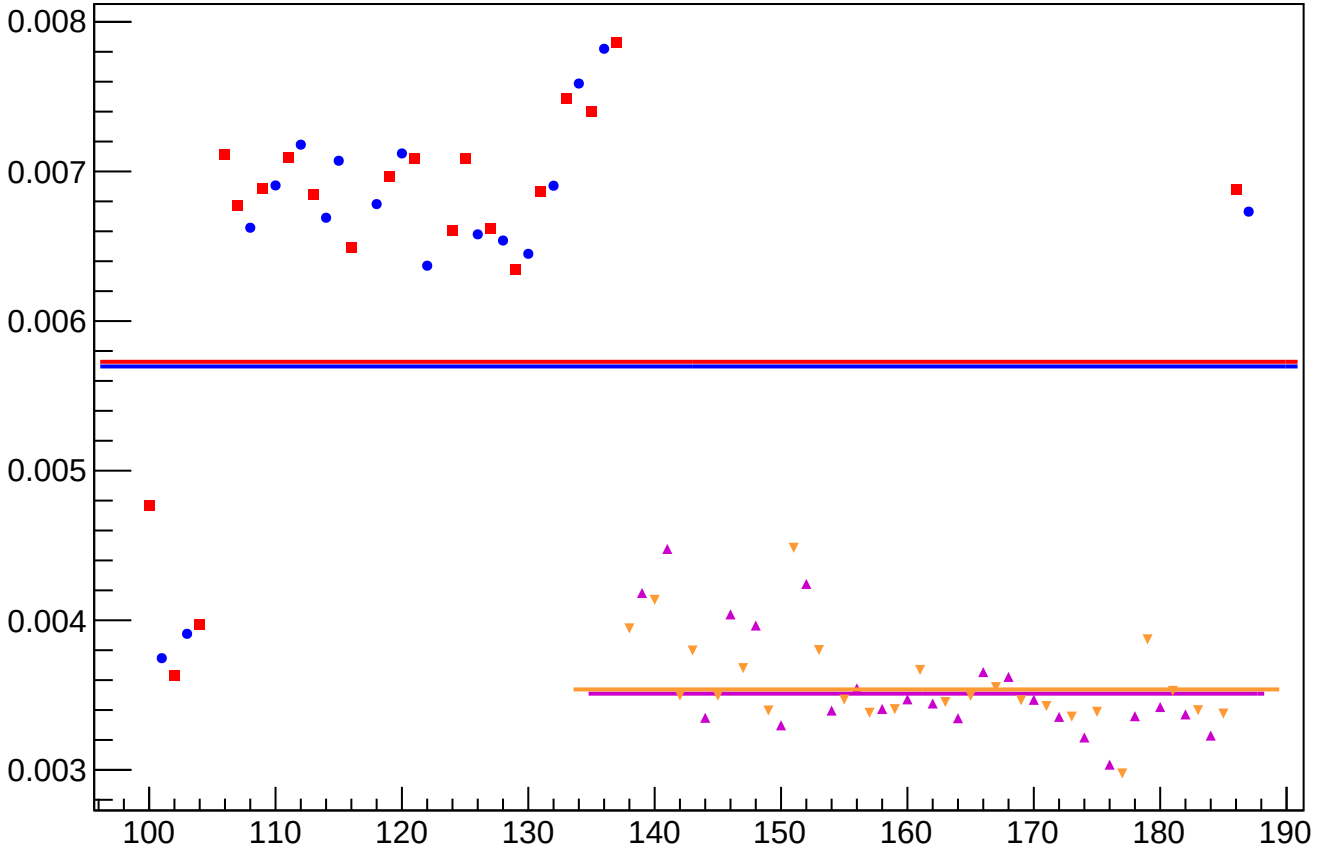
Right: -1.043+/-0.000 χ^2/NDF: 126372433602.1/36

In: 0.758+/-0.000 χ^2/NDF:968667826689.3/39

Out: 0.751+/-0.000 χ^2/NDF:914820155801.2/44

All: 0.754+/-0.000 χ^2/NDF: 1883532211458.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 953390.3/16

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1003197.0/19

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

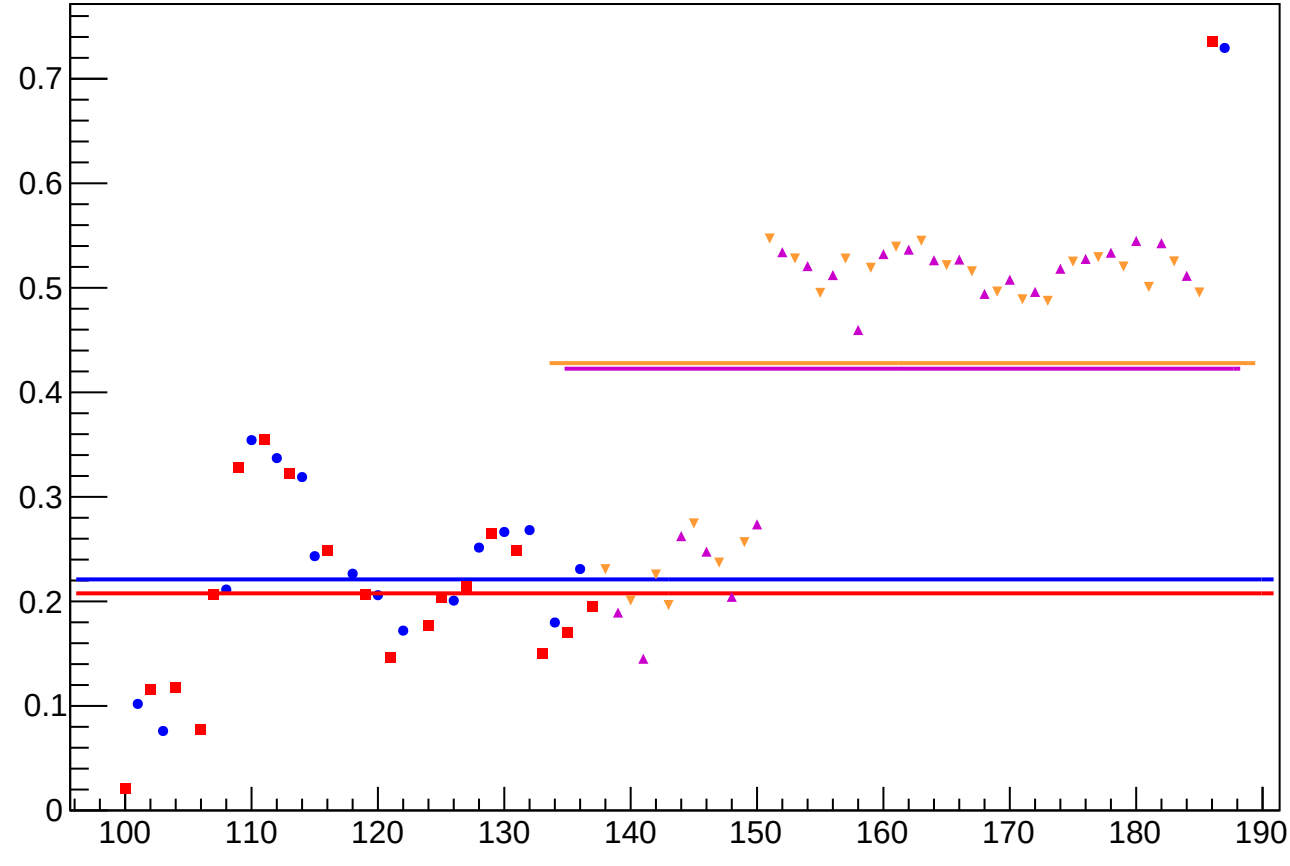
Right: 0.006+/-0.000 χ^2/NDF: 1956786.8/36

In: 0.004+/-0.000 χ^2/NDF:2915270.8/39

Out: 0.004+/-0.000 χ^2/NDF:2956824.7/44

All: 0.004+/-0.000 χ^2/NDF: 5873145.4/84

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.221+/-0.000 χ^2/NDF: 19478974953.9/16

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.208+/-0.000 χ^2/NDF: 28684003700.4/19

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

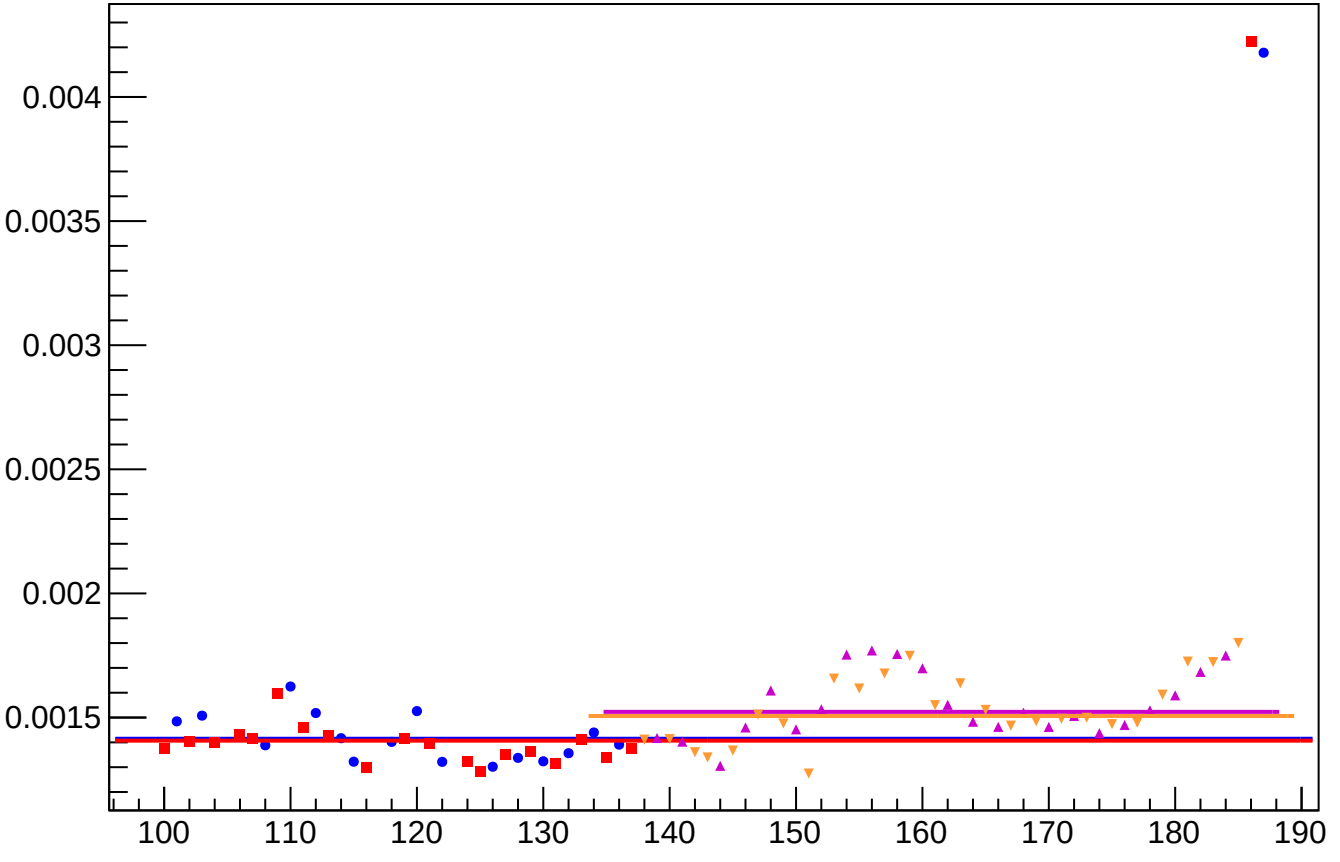
Right: 0.214+/-0.000 χ^2/NDF: 48489791435.9/36

In: 0.360+/-0.000 χ^2/NDF:275942643685.3/39

Out: 0.359+/-0.000 χ^2/NDF:309781831167.5/44

All: 0.359+/-0.000 χ^2/NDF: 585726417164.2

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 210664.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 396936.8/19

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

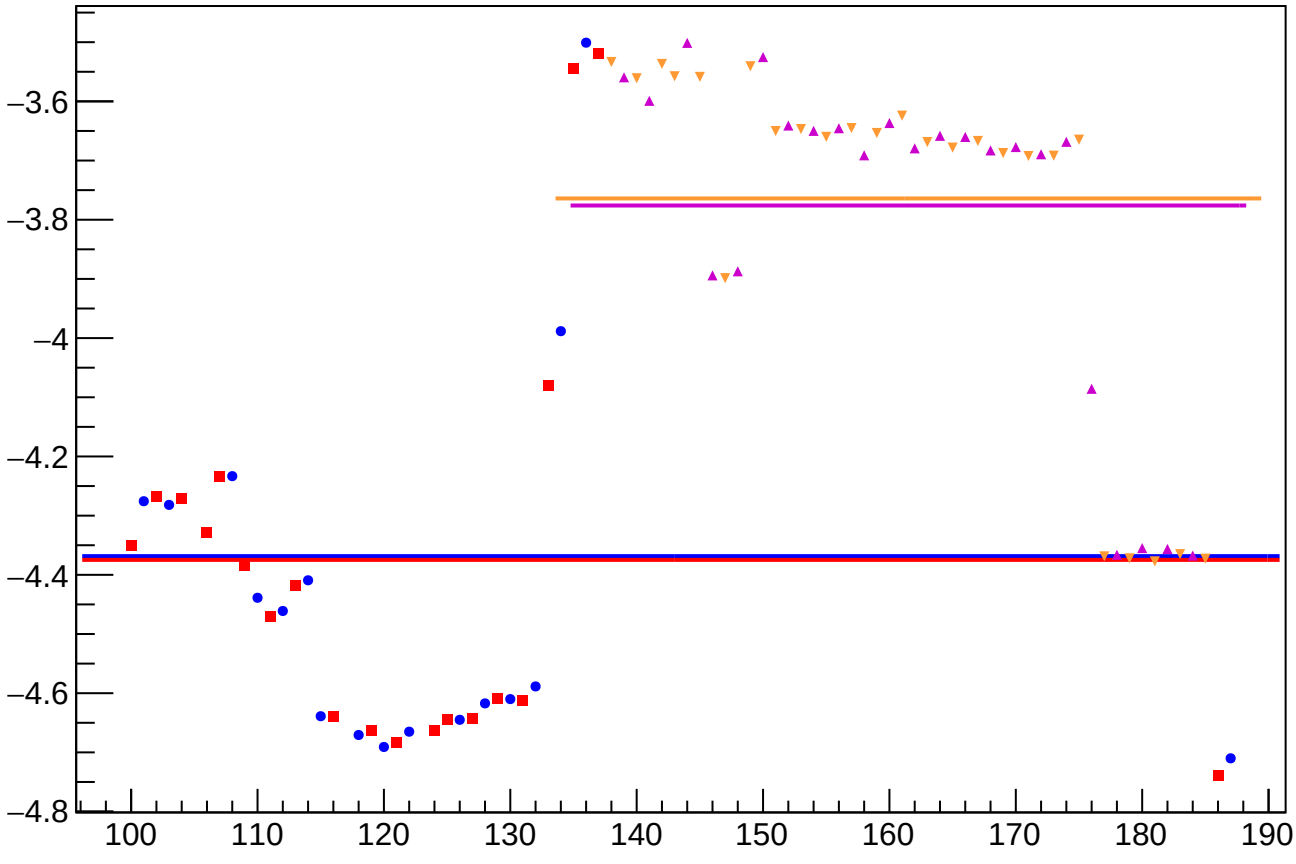
Right: 0.001+/-0.000 χ^2/NDF: 607815.2/36

In: 0.001+/-0.000 χ^2/NDF:502147.0/39

Out: 0.001+/-0.000 χ^2/NDF:727589.1/44

All: 0.001+/-0.000 χ^2/NDF: 1231991.6/84

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.368+/-0.000 χ^2/NDF: 354740114677.3/16

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.375+/-0.000 χ^2/NDF: 301016249524.2/19

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

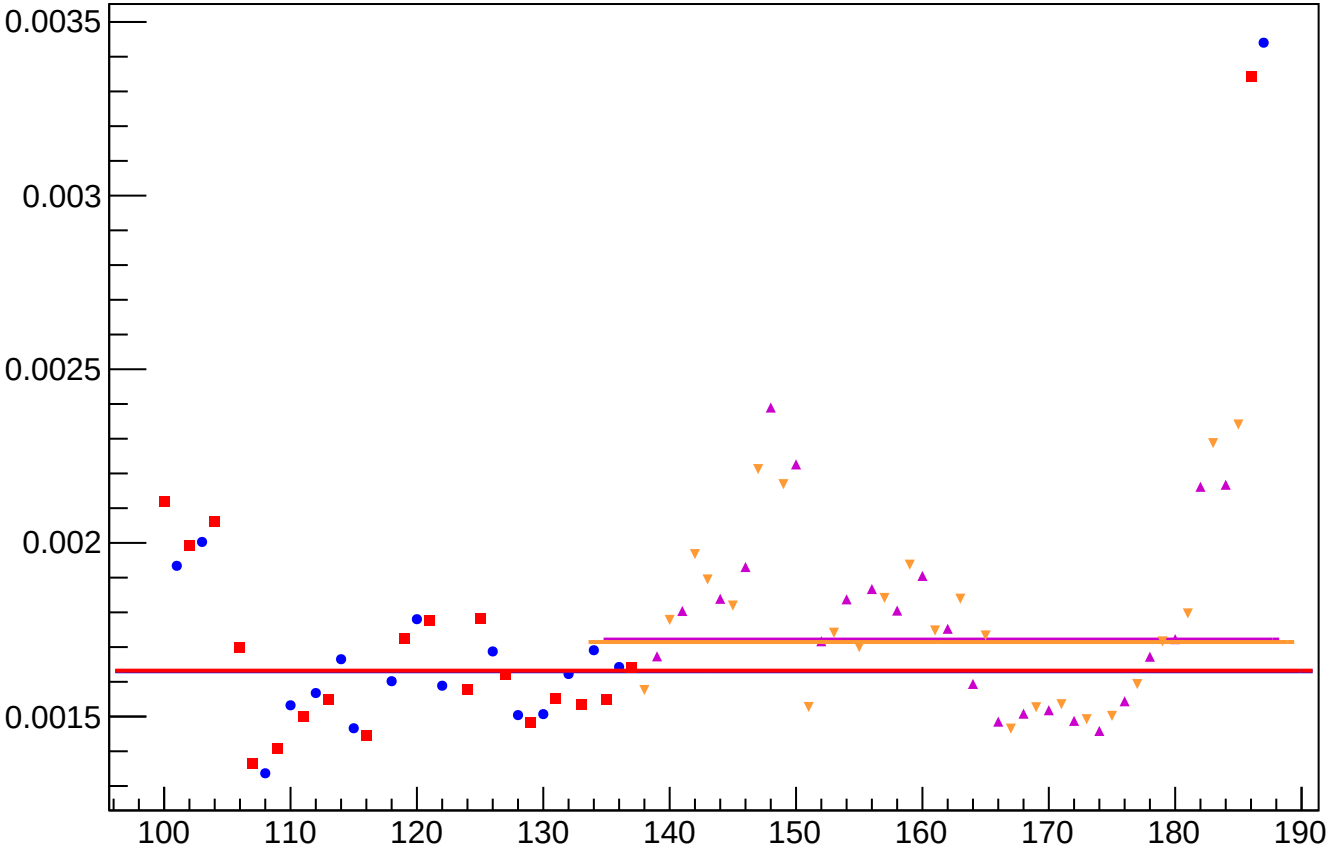
Right: -4.372+/-0.000 χ^2/NDF: 655810458748.6/36

In: -3.958+/-0.000 χ^2/NDF:1397411280109.5/39

Out: -3.951+/-0.000 χ^2/NDF:1504873067412.4/44

All: -3.954+/-0.000 χ^2/NDF: 2902510927953

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 237168.0/16

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 399554.7/19

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

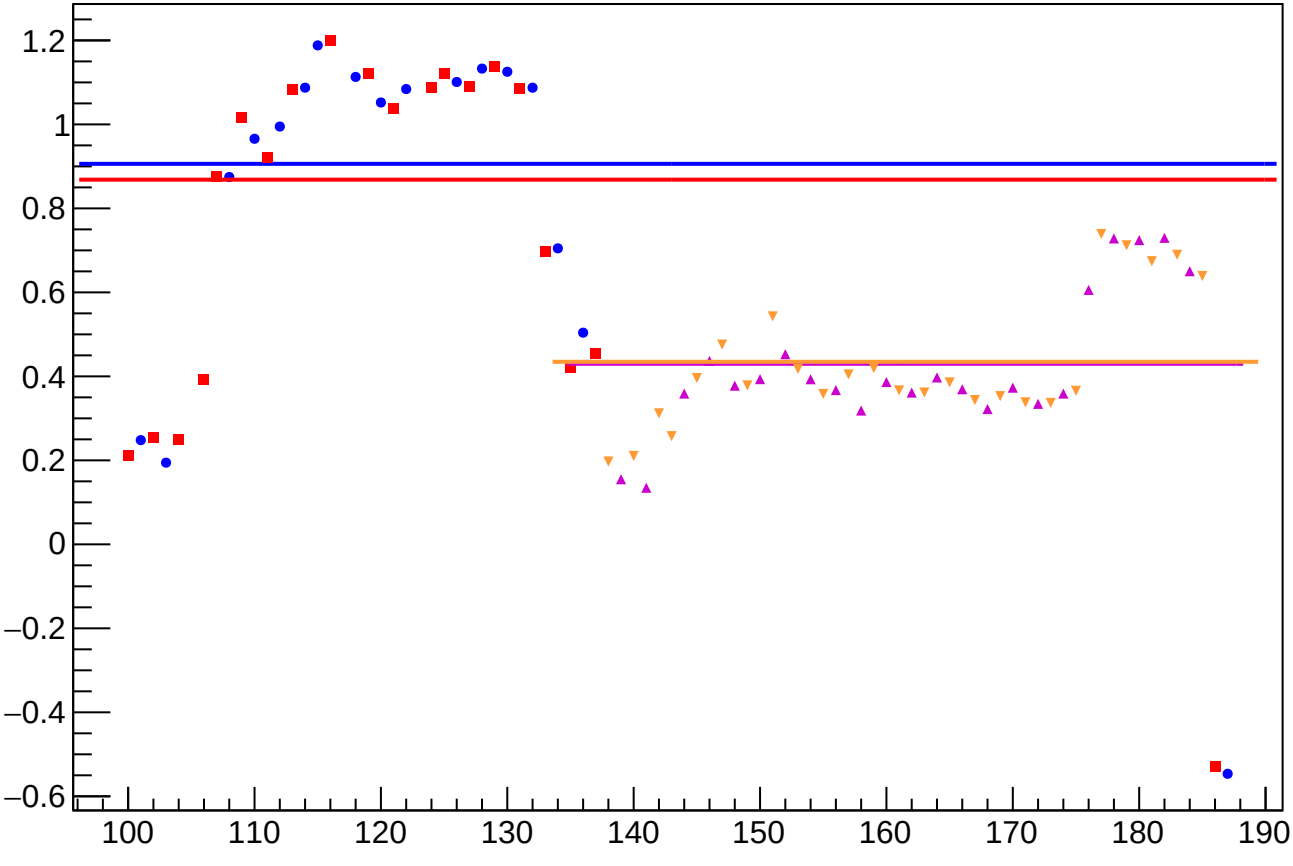
Right: 0.002+/-0.000 χ^2/NDF: 636730.5/36

In: 0.002+/-0.000 χ^2/NDF:849383.1/39

Out: 0.002+/-0.000 χ^2/NDF:988166.9/44

All: 0.002+/-0.000 χ^2/NDF: 1837708.6/84

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.906+/-0.000 χ^2/NDF: 18153601764.4/16

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.868+/-0.000 χ^2/NDF: 24477448189.2/19

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

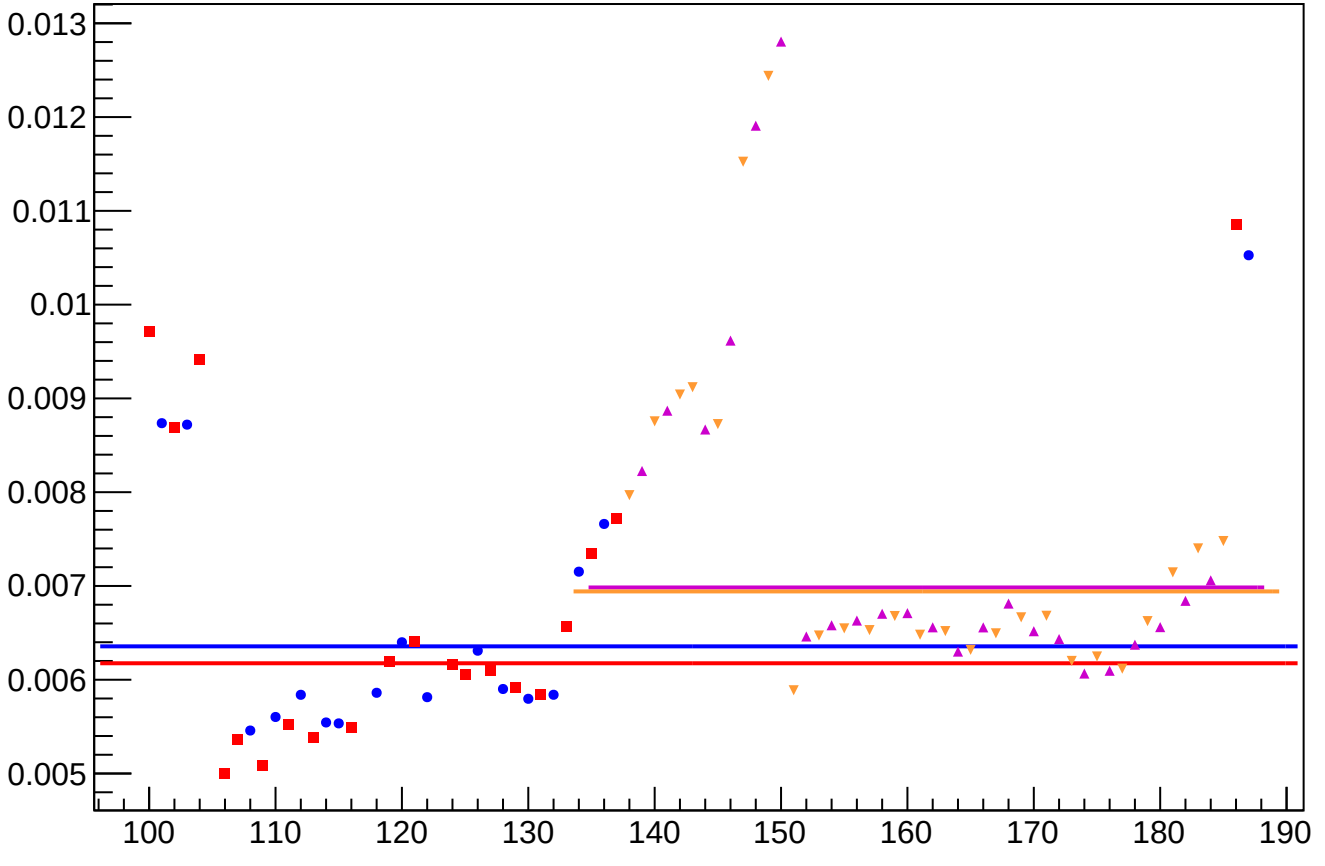
Right: 0.886+/-0.000 χ^2/NDF: 42764292719.7/36

In: 0.586+/-0.000 χ^2/NDF:54204165289.2/39

Out: 0.582+/-0.000 χ^2/NDF:57713965760.3/44

All: 0.584+/-0.000 χ^2/NDF: 111924524191.7

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 394858.2/16

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 589471.5/19

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

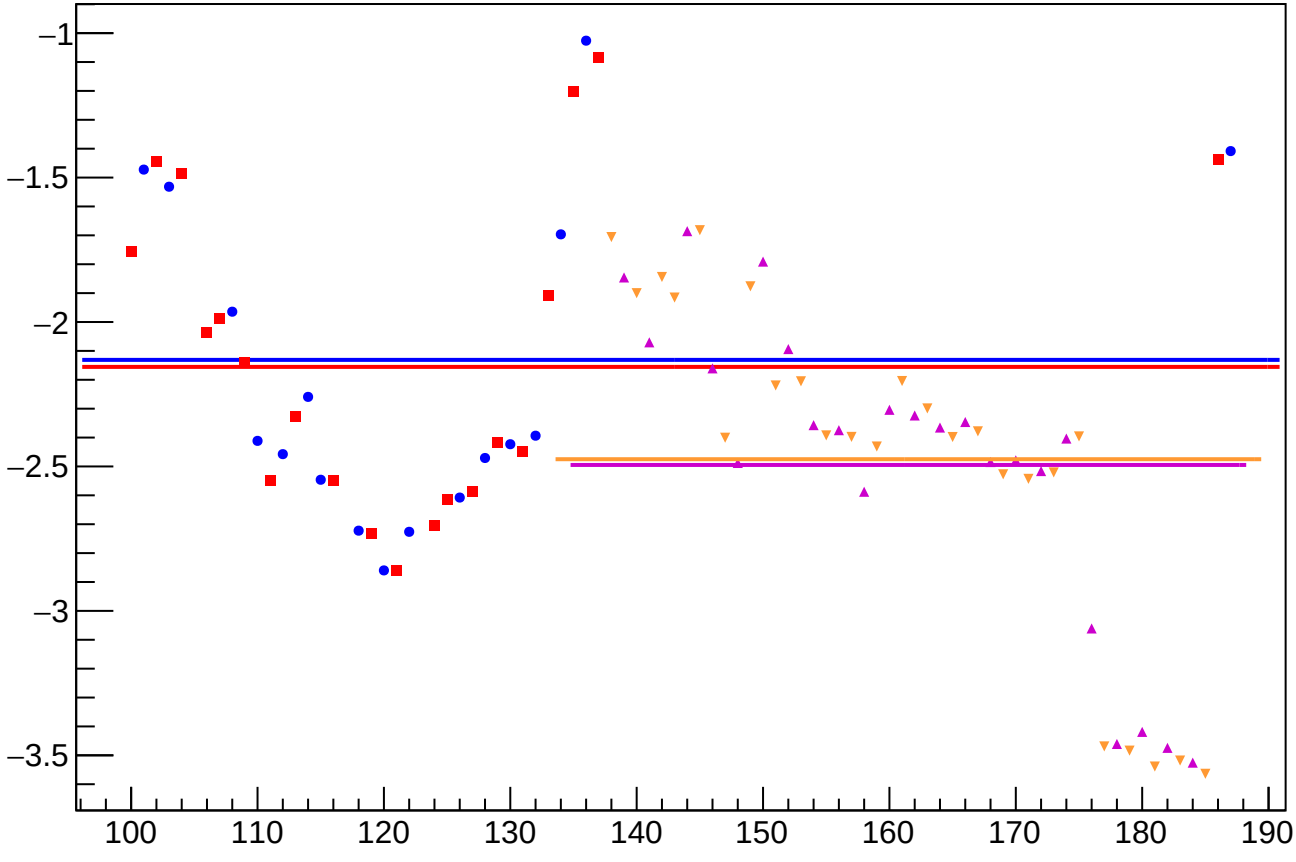
Right: 0.006+/-0.000 χ^2/NDF: 990430.0/36

In: 0.007+/-0.000 χ^2/NDF:1625273.8/39

Out: 0.007+/-0.000 χ^2/NDF:1834683.0/44

All: 0.007+/-0.000 χ^2/NDF: 3465059.3/84

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.131+/-0.000 χ^2/NDF: 66705545674.8/16

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.155+/-0.000 χ^2/NDF: 59666612576.2/19

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

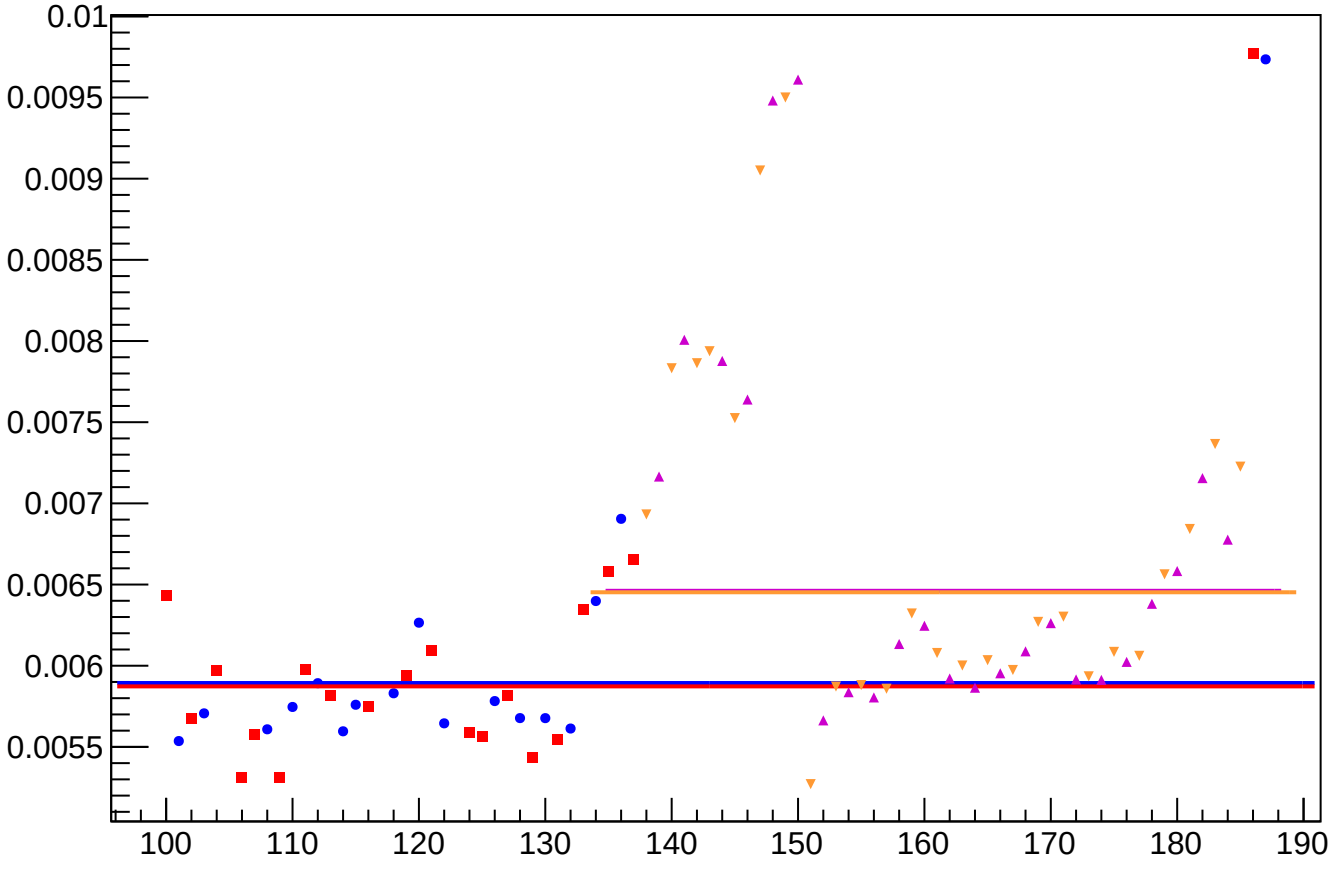
Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

Right: -2.144+/-0.000 χ^2/NDF: 126436660503.9/36

In: -2.375+/-0.000 χ^2/NDF:182229851521.7/39

Out: -2.369+/-0.000 χ^2/NDF:198045207956.4/44

All: -2.372+/-0.000 χ^2/NDF: 380286644938.5



Right In: 0.006+/-0.000 χ^2/NDF: 120646.3/16

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 189164.5/19

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

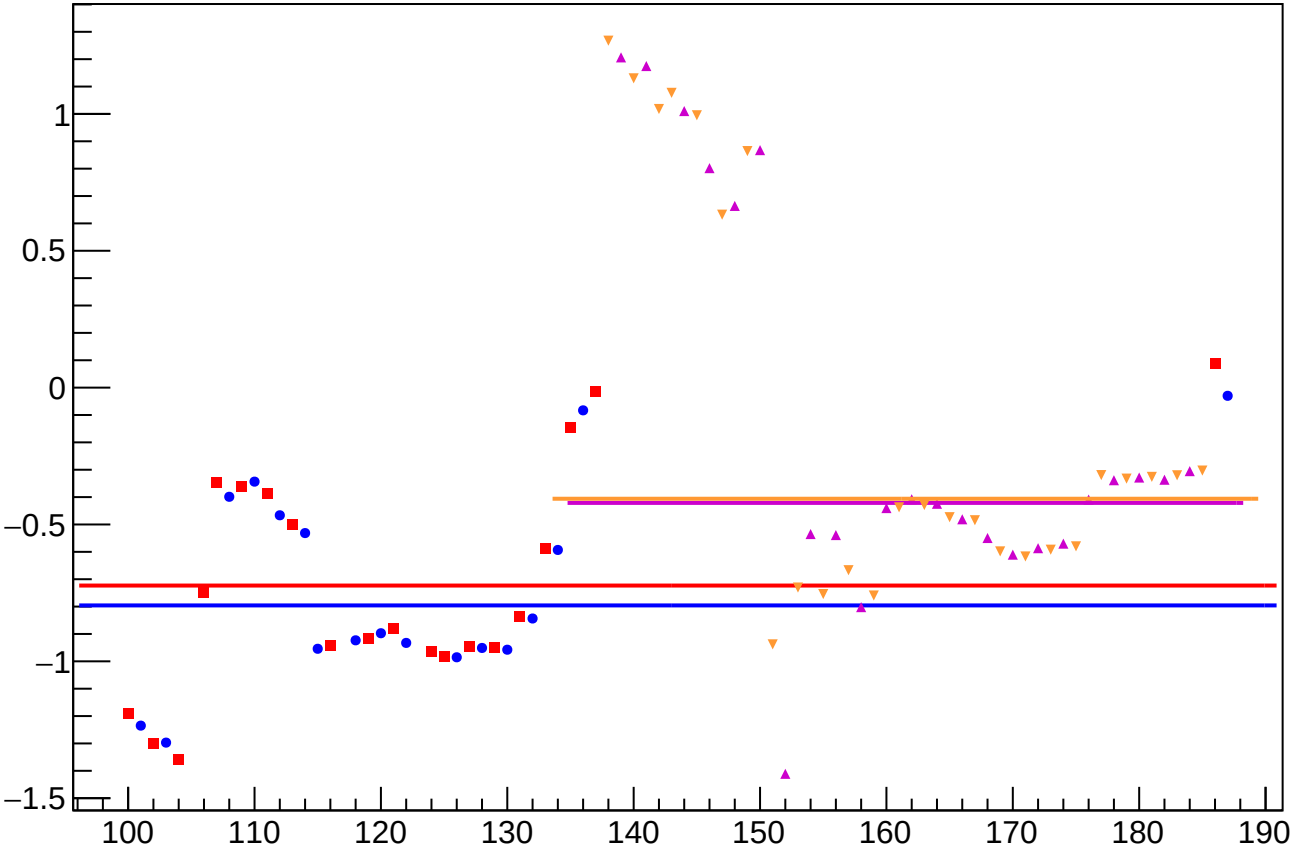
Right: 0.006+/-0.000 χ^2/NDF: 309904.0/36

In: 0.006+/-0.000 χ^2/NDF:932755.8/39

Out: 0.006+/-0.000 χ^2/NDF:1003905.6/44

All: 0.006+/-0.000 χ^2/NDF: 1936791.1/84

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.796+/-0.000 χ^2/NDF: 8798054763.7/16

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.723+/-0.000 χ^2/NDF: 12921207905.1/19

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

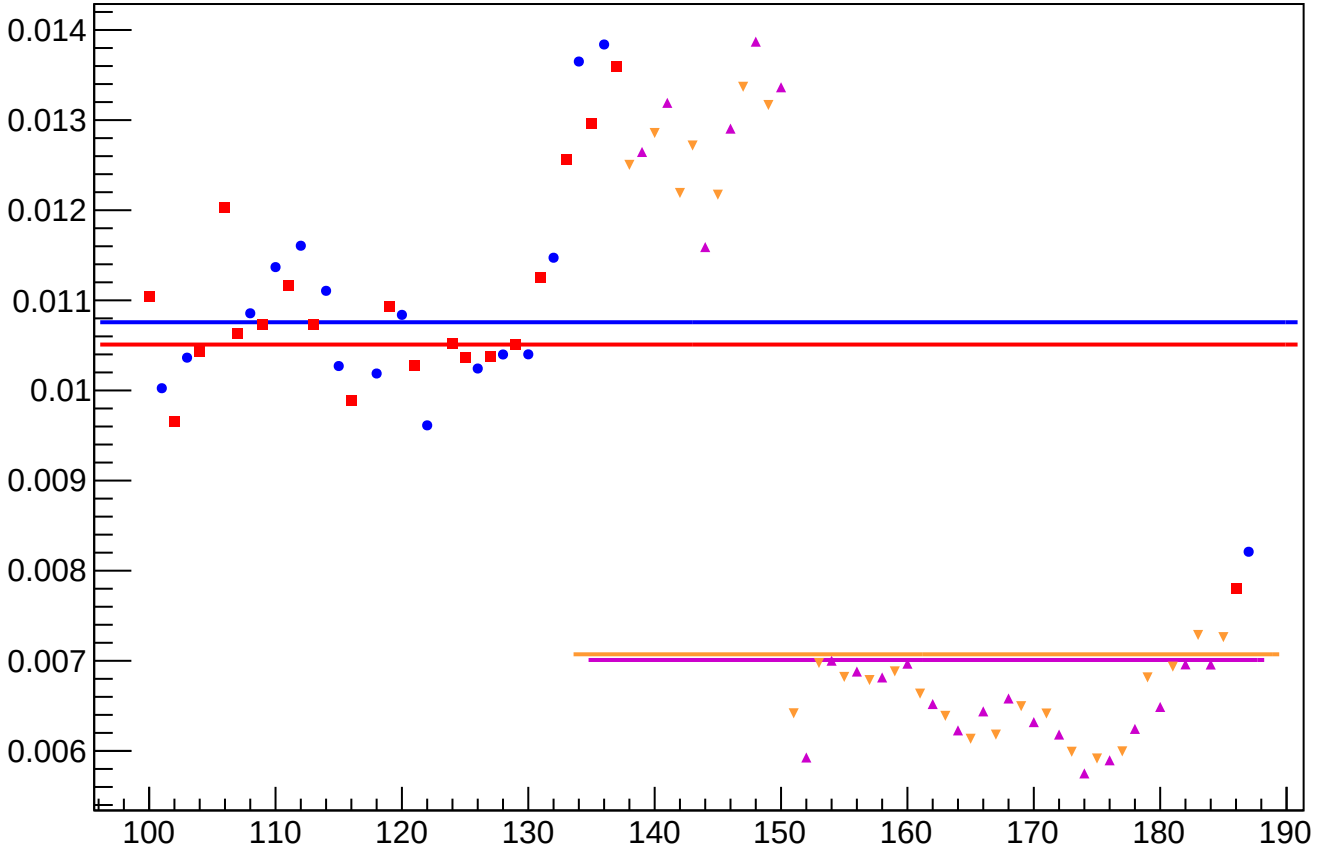
Right: -0.758+/-0.000 χ^2/NDF: 21891257026.5/36

In: -0.479+/-0.000 χ^2/NDF:106425947940.7/39

Out: -0.457+/-0.000 χ^2/NDF:100338668361.5/44

All: -0.468+/-0.000 χ^2/NDF: 206861640099.9

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 194906.7/16

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.011+/-0.000 χ^2/NDF: 205524.1/19

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

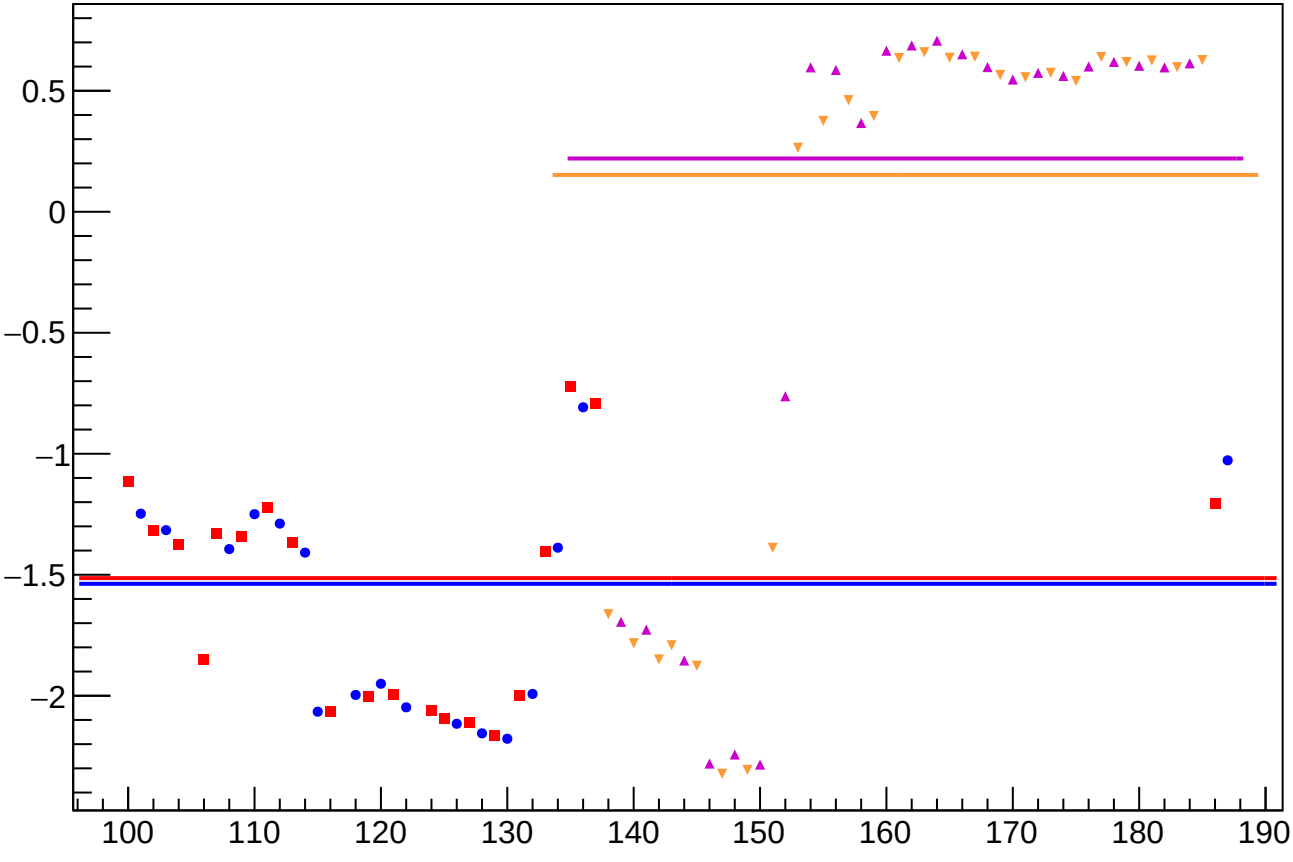
Right: 0.011+/-0.000 χ^2/NDF: 404432.6/36

In: 0.008+/-0.000 χ^2/NDF:4130337.3/39

Out: 0.008+/-0.000 χ^2/NDF:3948207.3/44

All: 0.008+/-0.000 χ^2/NDF: 8079246.8/84

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.537+/-0.000 χ^2/NDF: 164140713742.1/16

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.514+/-0.000 χ^2/NDF: 146565351694.3/19

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

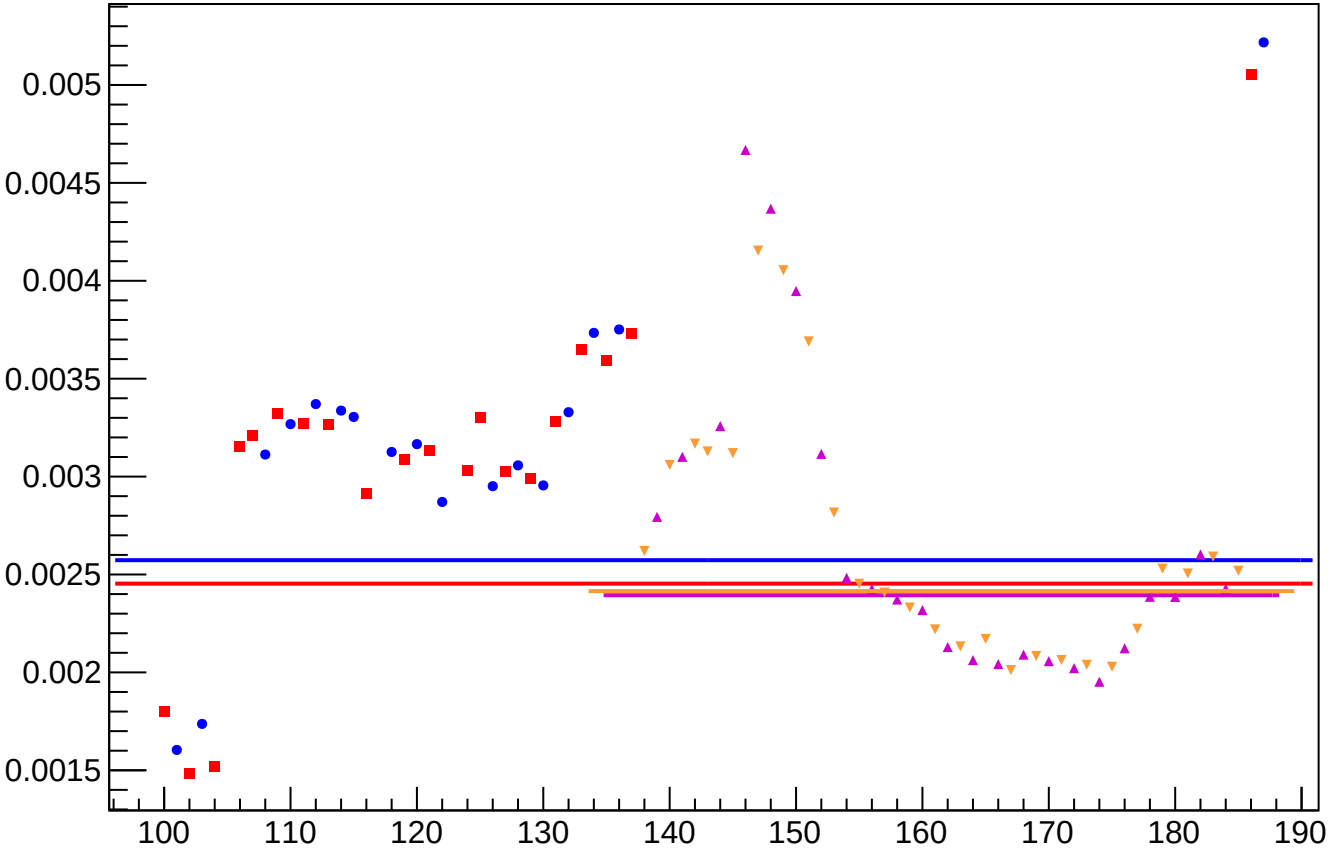
Right: -1.525+/-0.000 χ^2/NDF: 310978048322.1/36

In: -0.221+/-0.000 χ^2/NDF:4449604697810.6/39

Out: -0.282+/-0.000 χ^2/NDF:4664116315449.7/44

All: -0.253+/-0.000 χ^2/NDF: 9120871342904

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1265432.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 1759547.1/19

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

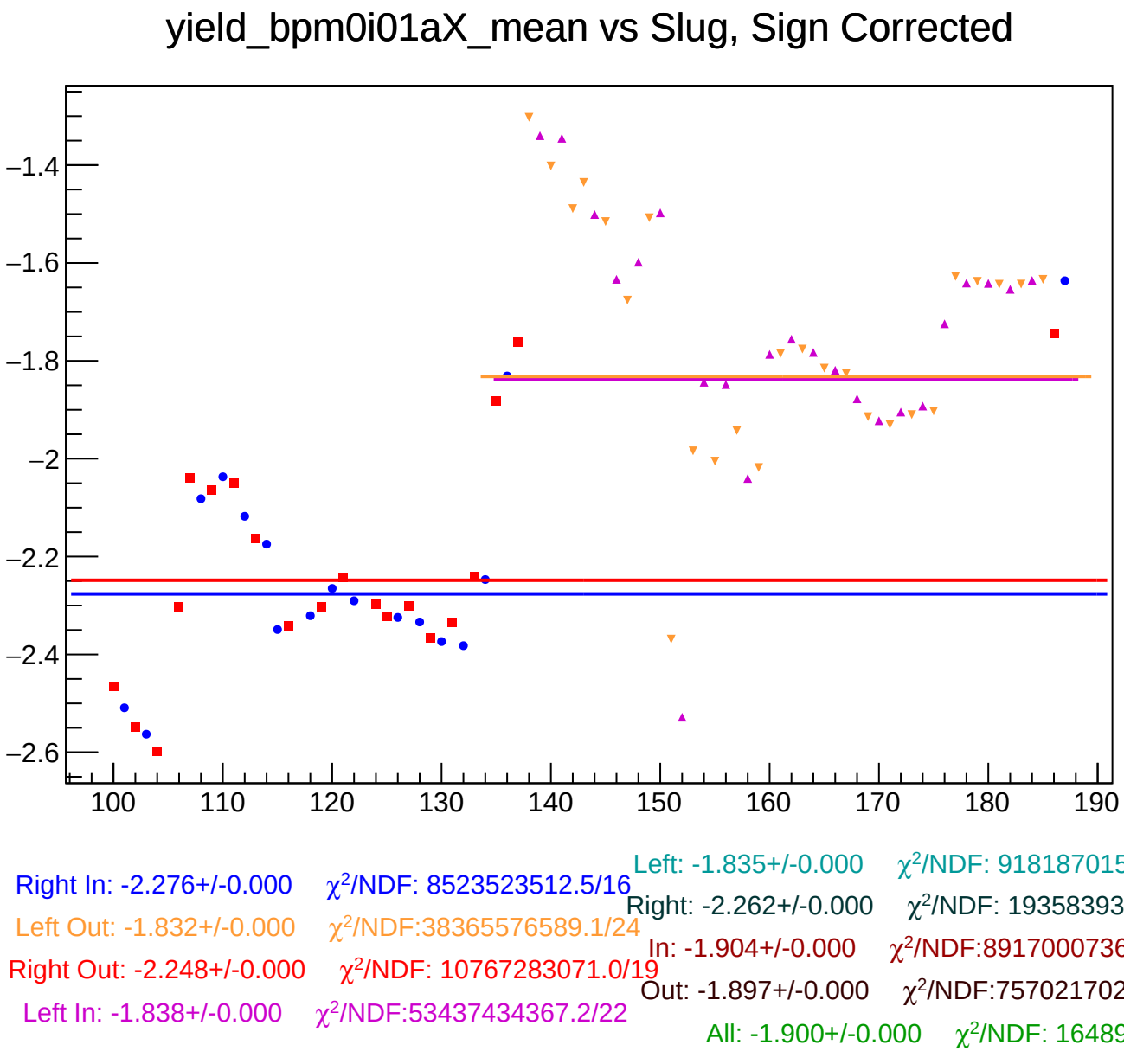
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 3039033.7/36

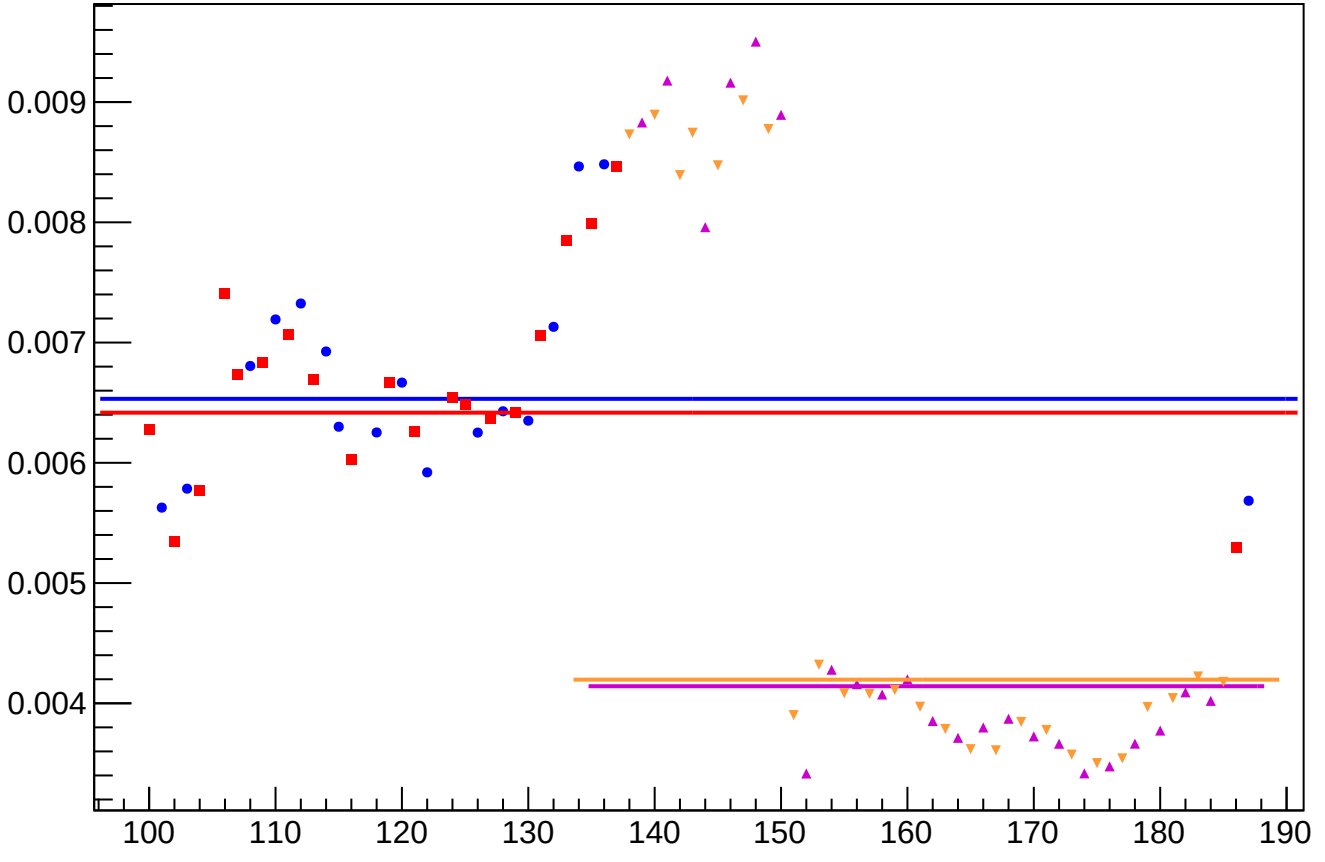
In: 0.002+/-0.000 χ^2/NDF:2719864.8/39

Out: 0.002+/-0.000 χ^2/NDF:2982176.9/44

All: 0.002+/-0.000 χ^2/NDF: 5702782.6/84


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
170
180
190
Right In: -2.276+/-0.000 χ²/NDF: 8523523512.5/16
Left Out: -1.832+/-0.000 χ²/NDF:38365576589.1/24
Right Out: -2.248+/-0.000 χ²/NDF: 10767283071.0/19
Left In: -1.838+/-0.000 χ²/NDF:53437434367.2/22
Left: -1.835+/-0.000 χ²/NDF: 91818701563.9/47
Right: -2.262+/-0.000 χ²/NDF: 19358393771.1/36
In: -1.904+/-0.000 χ²/NDF:89170007363.2/39
Out: -1.897+/-0.000 χ²/NDF:75702170257.9/44
All: -1.900+/-0.000 χ²/NDF: 164894487621.9

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 230286.5/16

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 223573.3/19

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

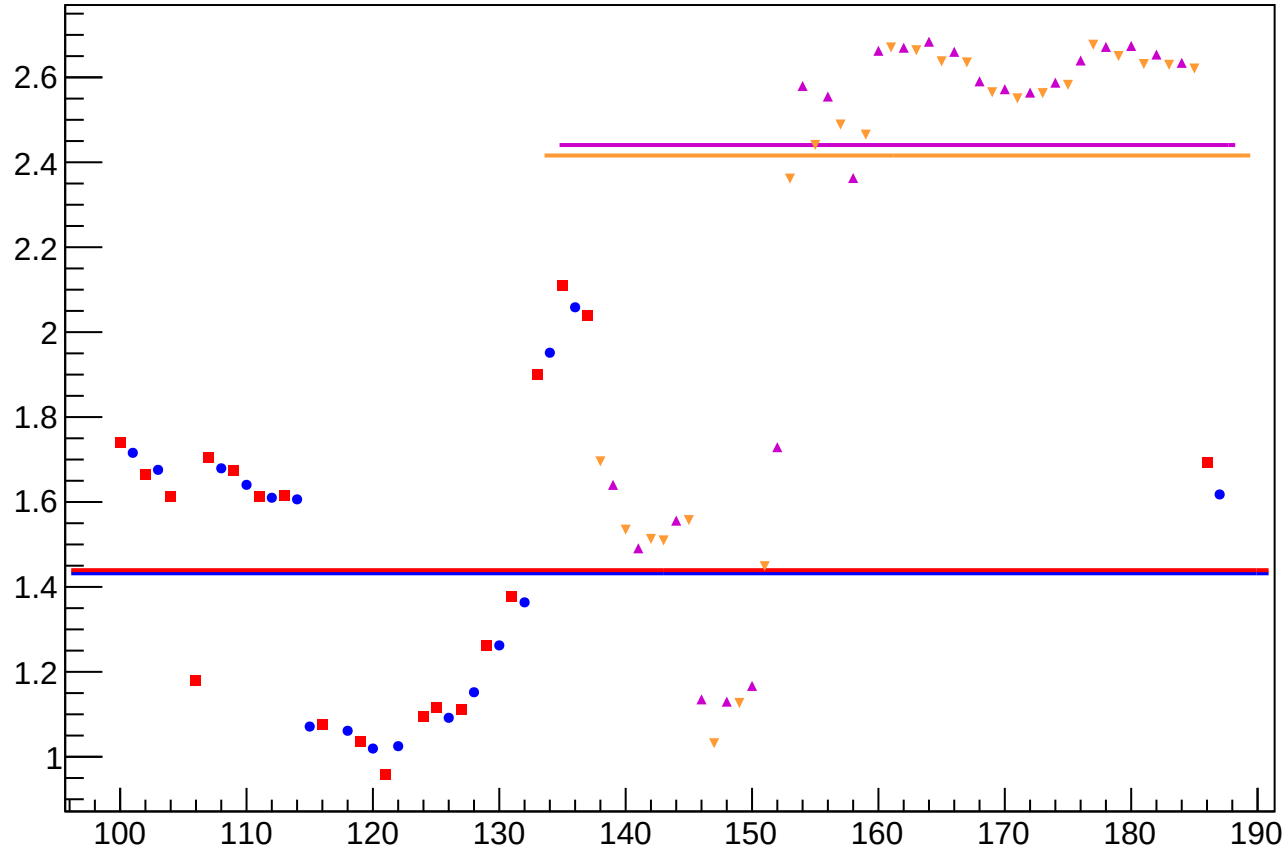
Right: 0.006+/-0.000 χ^2/NDF: 456158.5/36

In: 0.005+/-0.000 χ^2/NDF:5039417.6/39

Out: 0.005+/-0.000 χ^2/NDF:4824998.2/44

All: 0.005+/-0.000 χ^2/NDF: 9866604.6/84

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.432+/-0.000 χ^2/NDF: 189405122599.1/16

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.439+/-0.000 χ^2/NDF: 183025647618.9/19

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

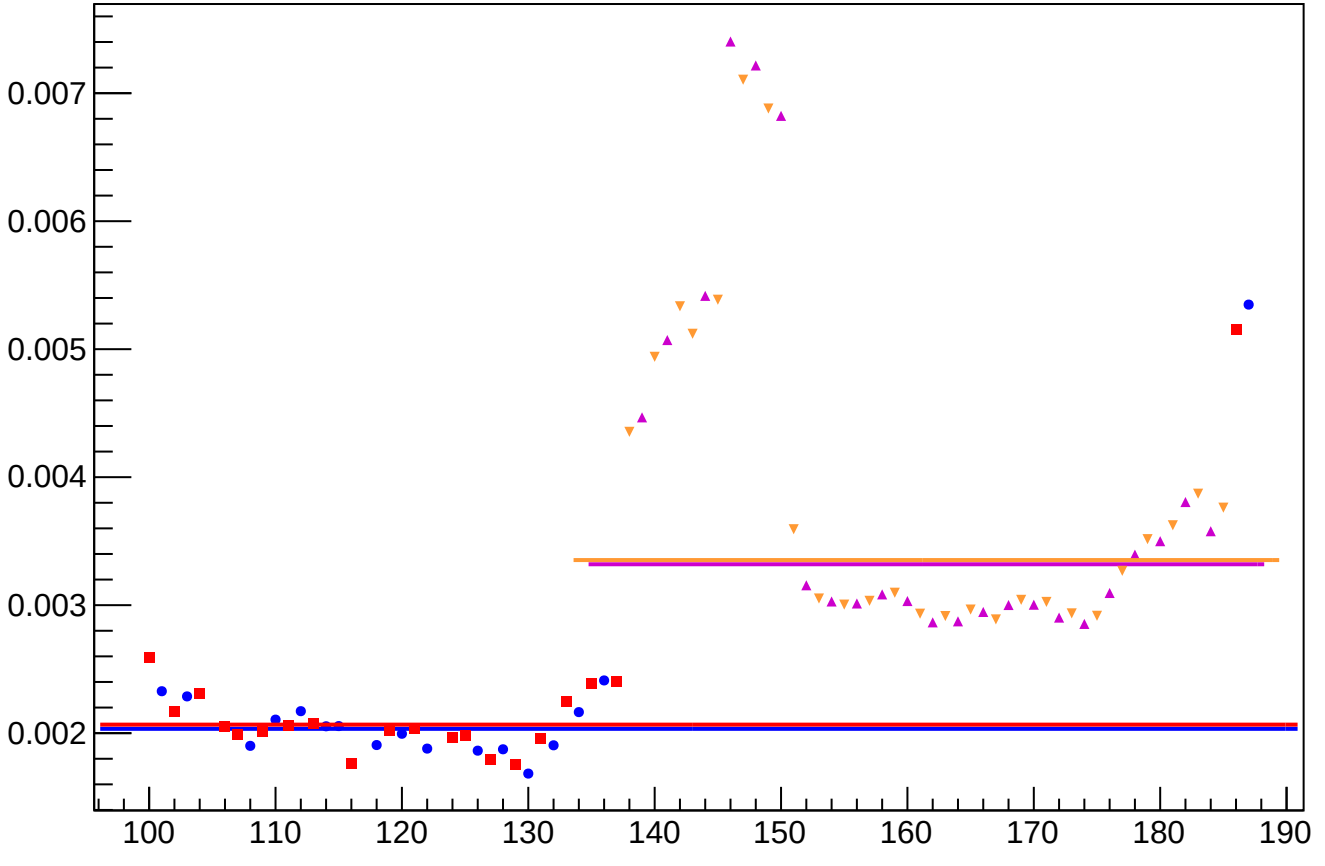
Right: 1.436+/-0.000 χ^2/NDF: 372474911706.6/36

In: 1.912+/-0.000 χ^2/NDF:1211225398261.1/39

Out: 1.913+/-0.000 χ^2/NDF:1188086218369.1/44

All: 1.913+/-0.000 χ^2/NDF: 2399314216866.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 297918.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 410197.8/19

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

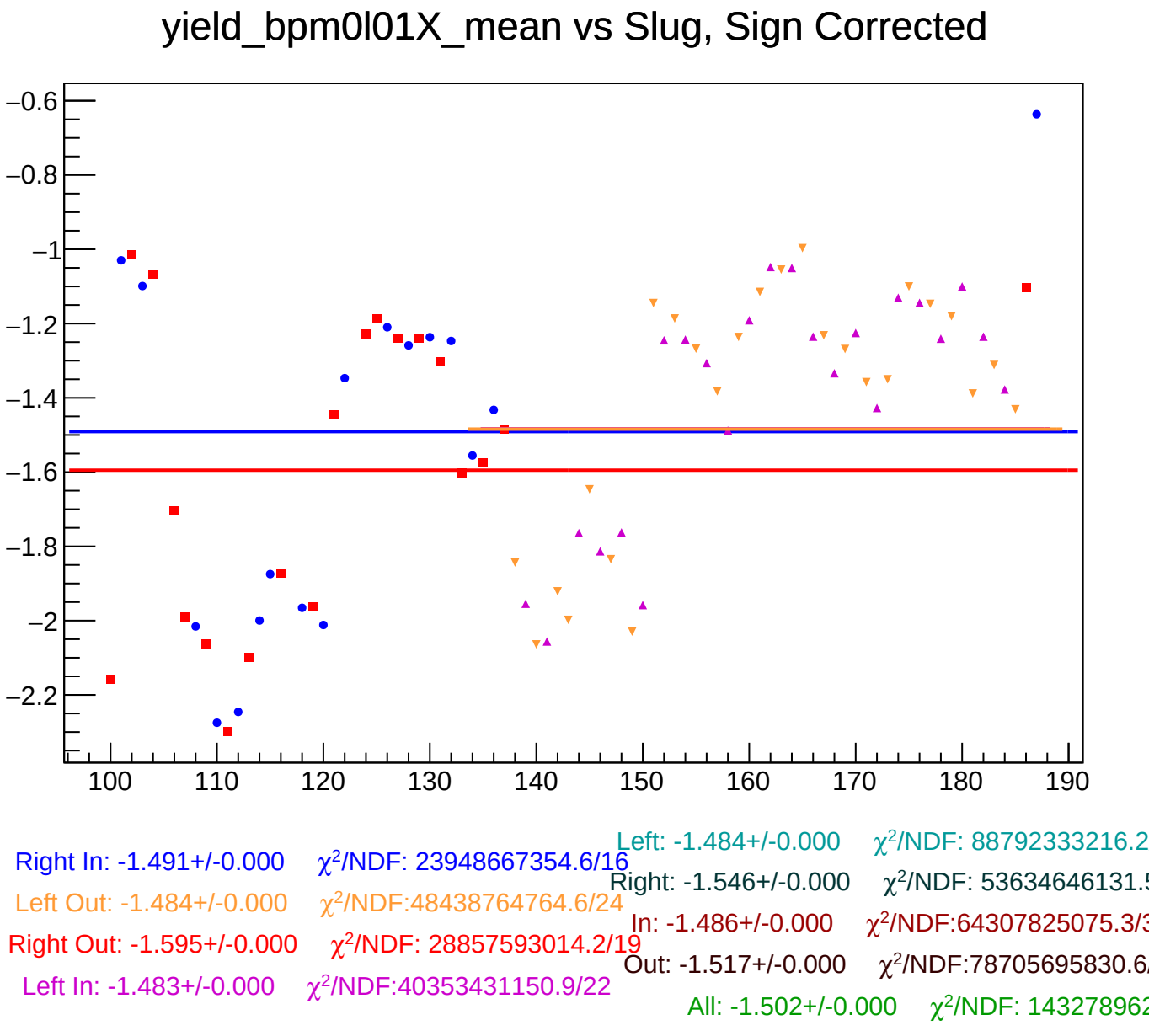
Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

Right: 0.002+/-0.000 χ^2/NDF: 709883.0/36

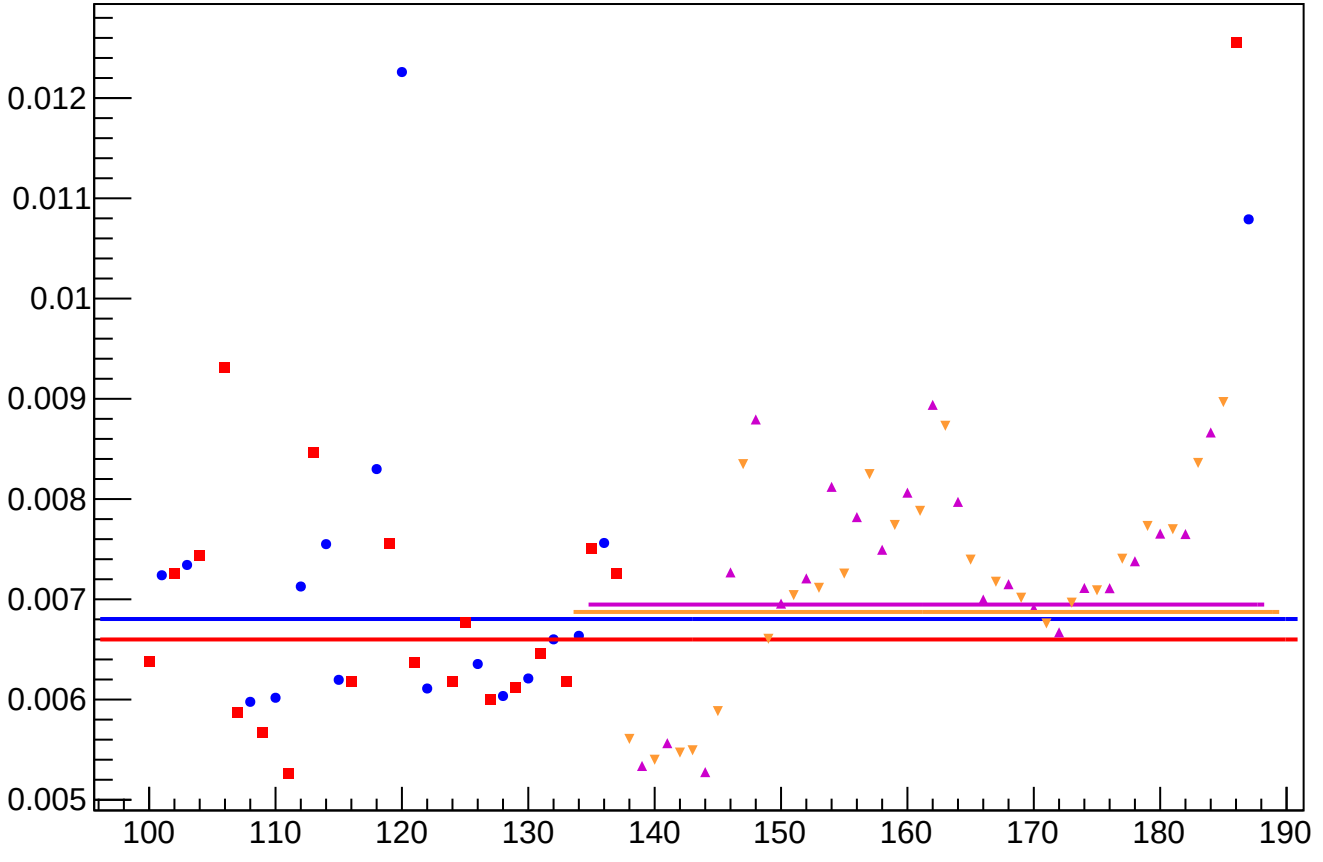
In: 0.003+/-0.000 χ^2/NDF:4921832.9/39

Out: 0.003+/-0.000 χ^2/NDF:4872047.7/44

All: 0.003+/-0.000 χ^2/NDF: 9800230.9/84


yield_bpm0l01X_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
180
190
Right In: -1.491+/-0.000 χ²/NDF: 23948667354.6/16
Left Out: -1.484+/-0.000 χ²/NDF:48438764764.6/24
Right Out: -1.595+/-0.000 χ²/NDF: 28857593014.2/19
Left In: -1.483+/-0.000 χ²/NDF:40353431150.9/22
Left: -1.484+/-0.000 χ²/NDF: 88792333216.2/47
Right: -1.546+/-0.000 χ²/NDF: 53634646131.5/36
In: -1.486+/-0.000 χ²/NDF:64307825075.3/39
Out: -1.517+/-0.000 χ²/NDF:78705695830.6/44
All: -1.502+/-0.000 χ²/NDF: 143278962900.9

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 282907.5/16

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 402275.7/19

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

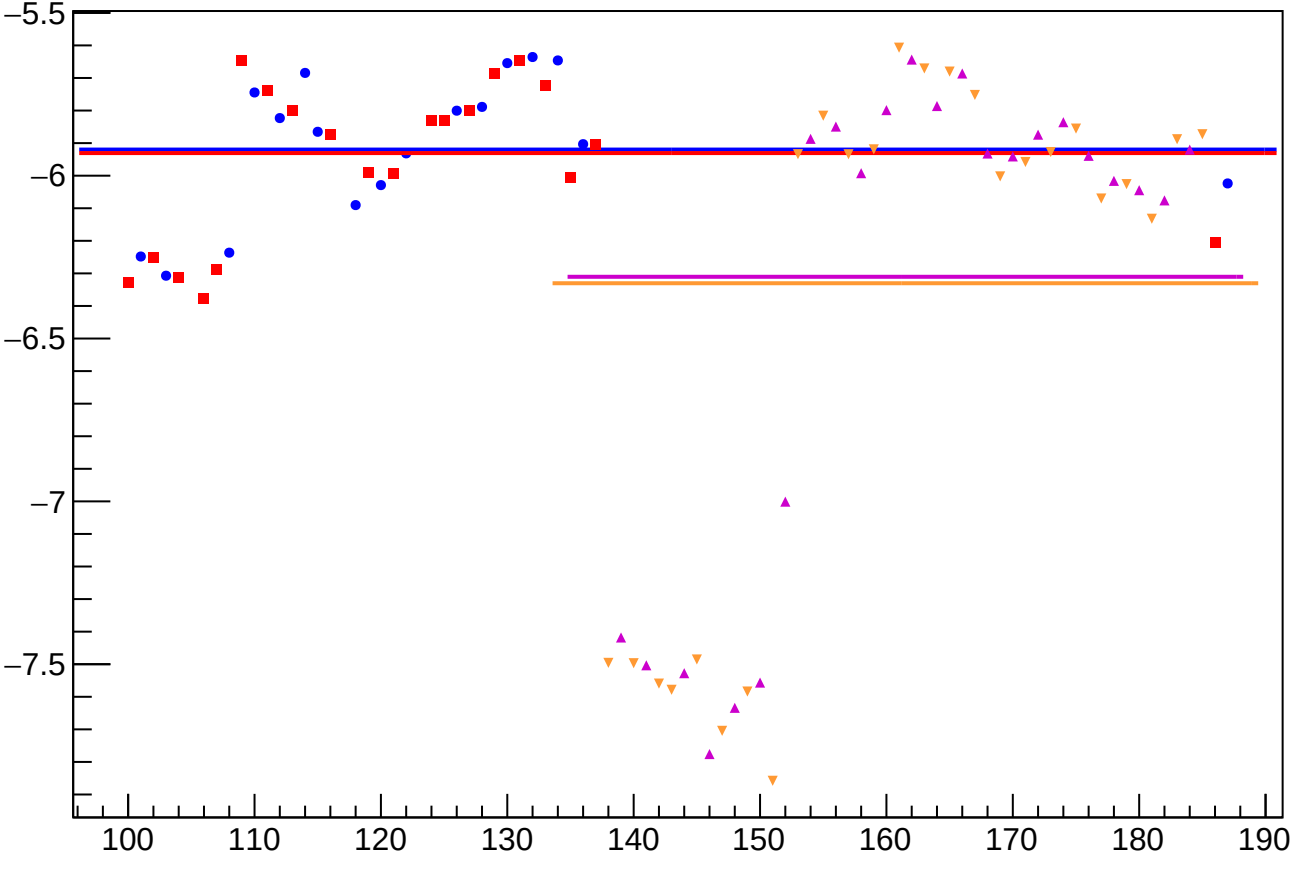
Right: 0.007+/-0.000 χ^2/NDF: 691555.9/36

In: 0.007+/-0.000 χ^2/NDF:1033871.4/39

Out: 0.007+/-0.000 χ^2/NDF:1165151.5/44

All: 0.007+/-0.000 χ^2/NDF: 2205845.4/84

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.920+/-0.000 χ^2/NDF: 11751126592.4/16

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.931+/-0.000 χ^2/NDF: 12786568312.8/19

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

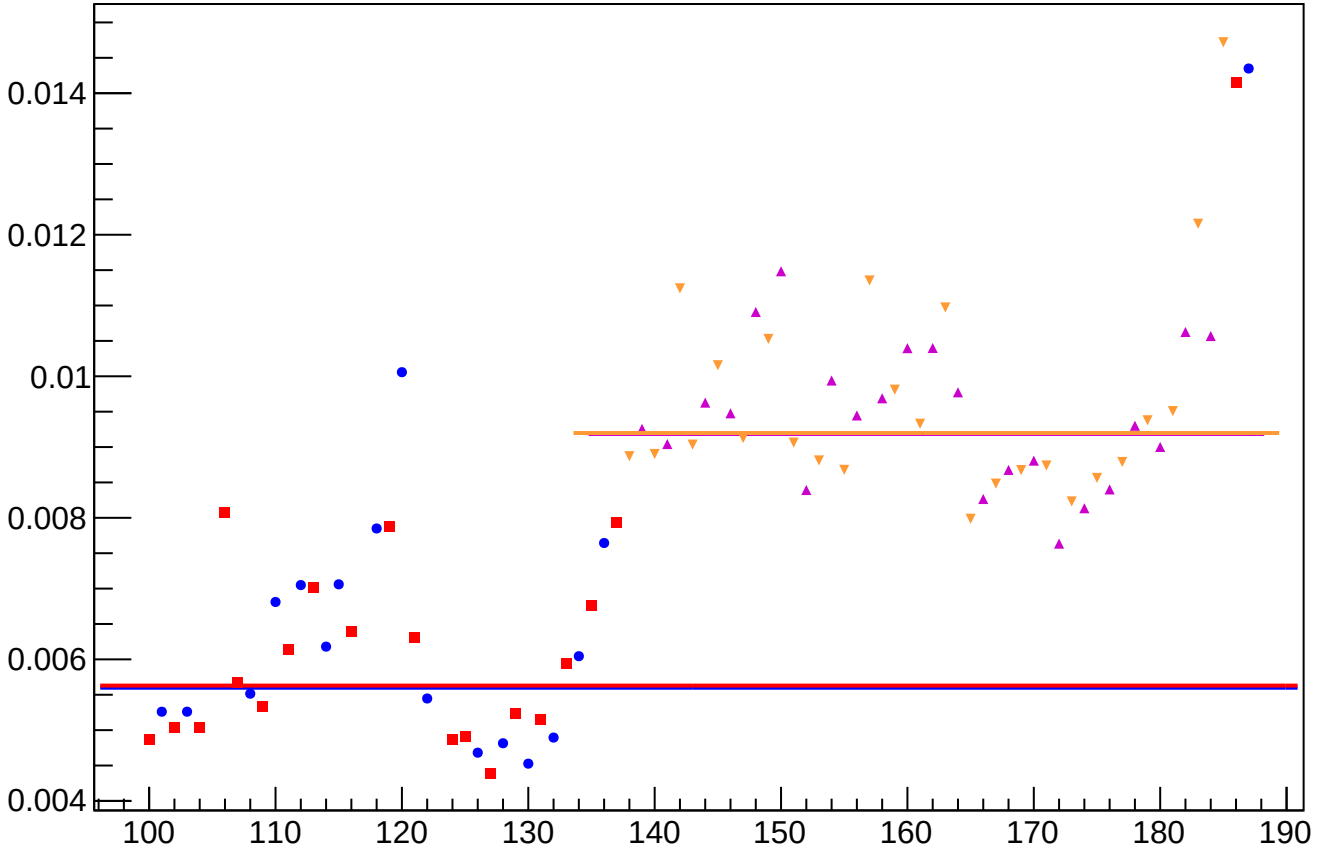
Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

Right: -5.925+/-0.000 χ^2/NDF: 24549624315.4/36

In: -6.107+/-0.000 χ^2/NDF:117969236377.6/39

Out: -6.120+/-0.000 χ^2/NDF:139171689599.6/44

All: -6.113+/-0.000 χ^2/NDF: 257173200809.9



Right In: 0.006+/-0.000 χ^2/NDF: 618336.4/16

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 641325.7/19

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

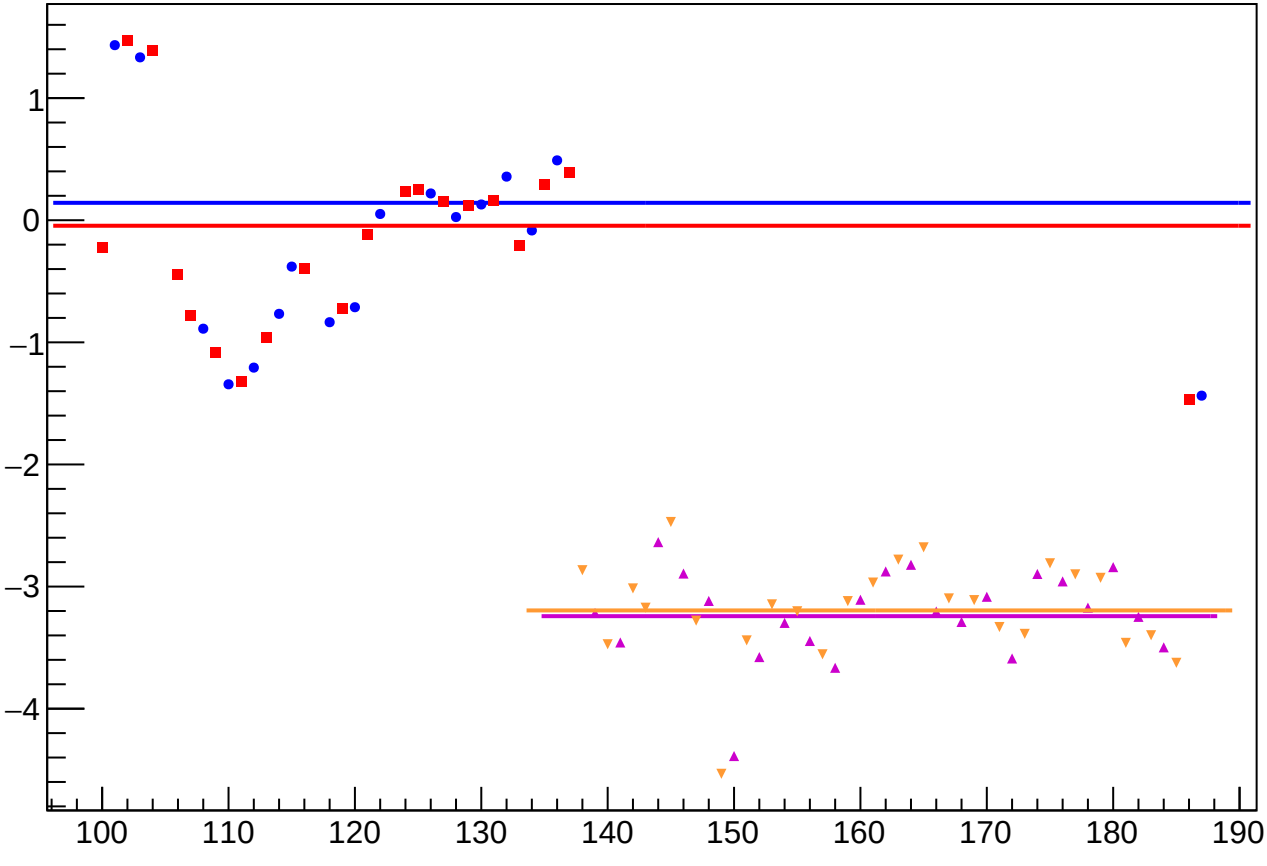
Right: 0.006+/-0.000 χ^2/NDF: 1259846.7/36

In: 0.007+/-0.000 χ^2/NDF:3384636.0/39

Out: 0.007+/-0.000 χ^2/NDF:3569444.5/44

All: 0.007+/-0.000 χ^2/NDF: 6954082.4/84

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.142+/-0.000 χ^2/NDF: 18967831889.8/16

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.045+/-0.000 χ^2/NDF: 24232064277.6/19

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

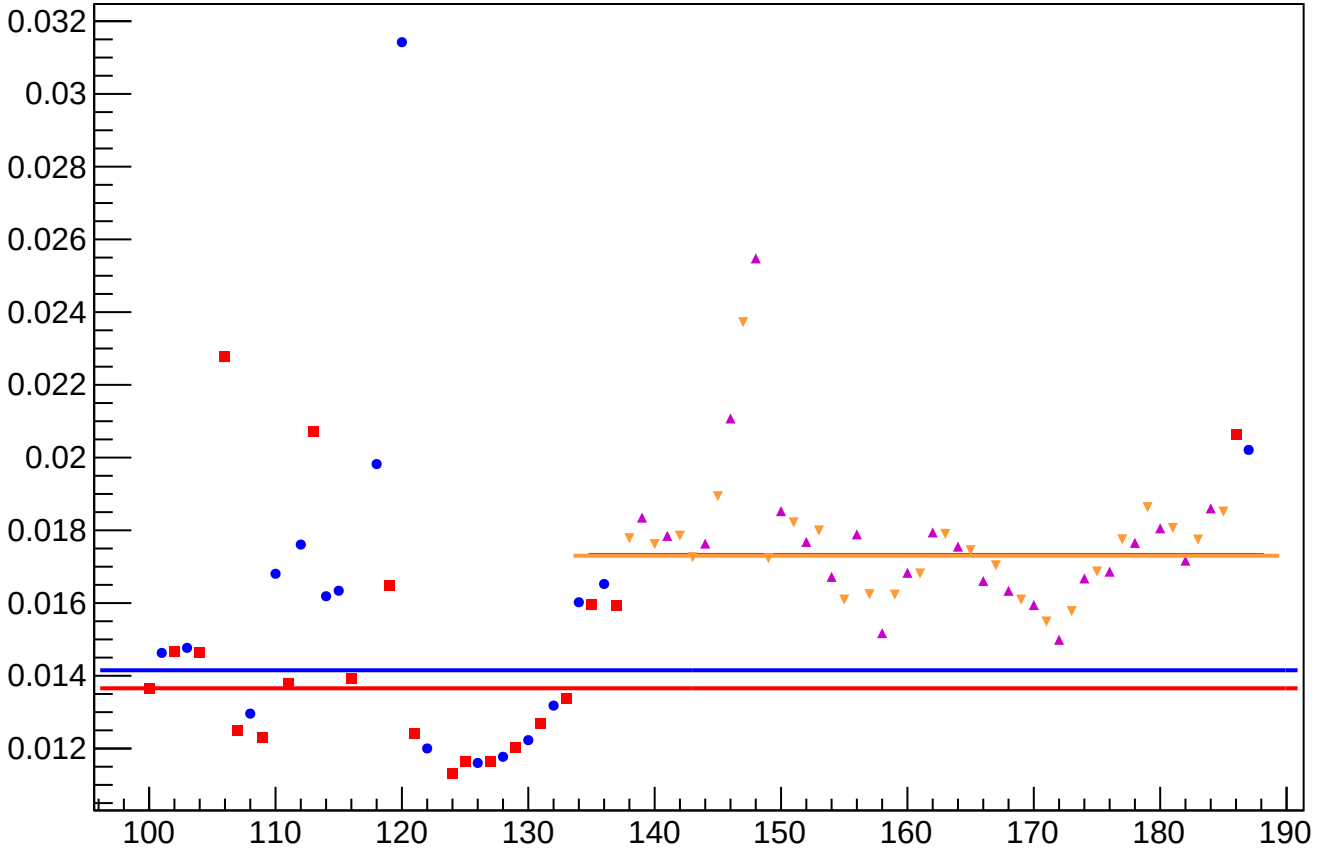
Right: 0.041+/-0.000 χ^2/NDF: 43814809022.2/36

In: -2.038+/-0.000 χ^2/NDF:264934986709.5/39

Out: -1.999+/-0.000 χ^2/NDF:267750736764.8/44

All: -2.018+/-0.000 χ^2/NDF: 532760751166.9

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 495686.0/16

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 398739.2/19

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

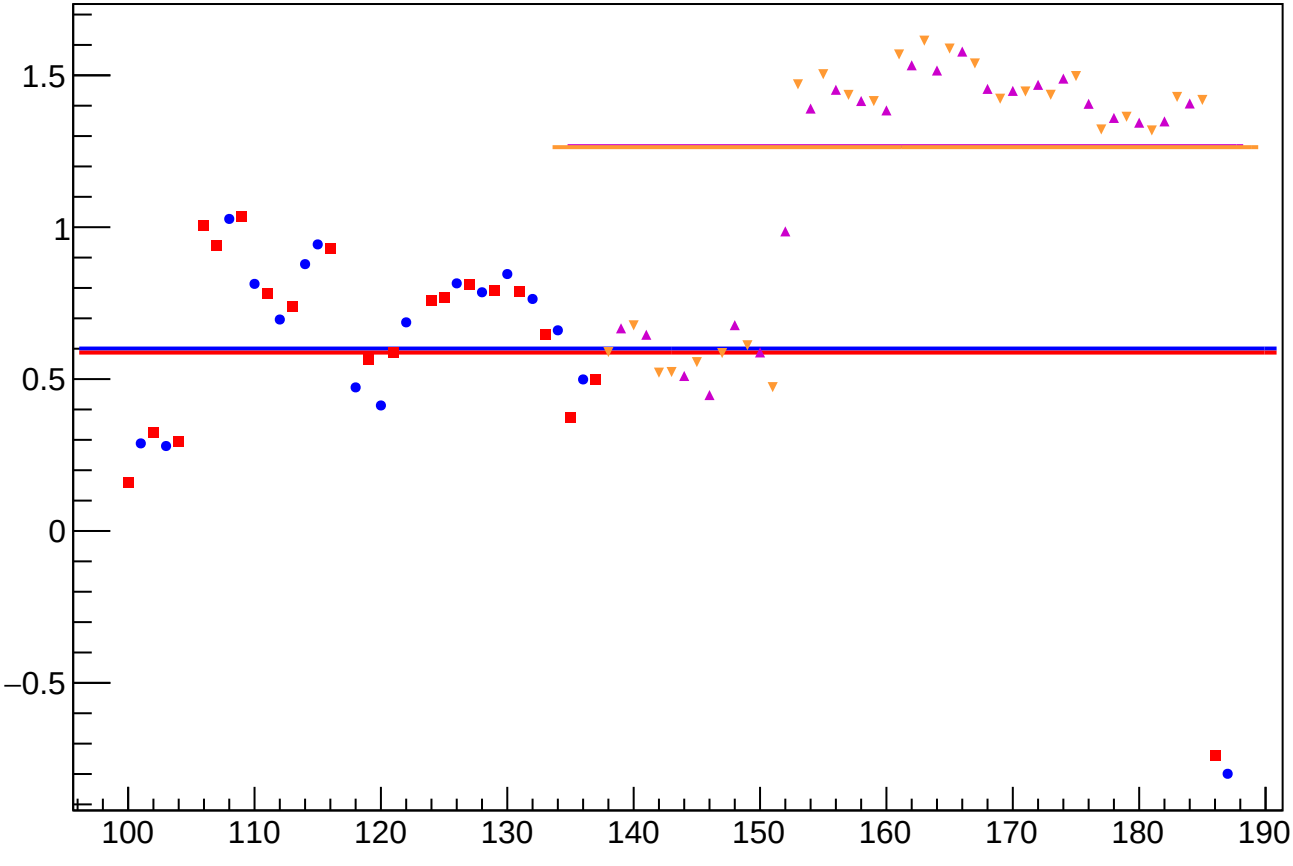
Right: 0.014+/-0.000 χ^2/NDF: 902984.9/36

In: 0.016+/-0.000 χ^2/NDF:1243341.2/39

Out: 0.016+/-0.000 χ^2/NDF:1243210.5/44

All: 0.016+/-0.000 χ^2/NDF: 2493917.0/84

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.601+/-0.000 χ^2/NDF: 7132485615.6/16

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.587+/-0.000 χ^2/NDF: 10567366031.4/19

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

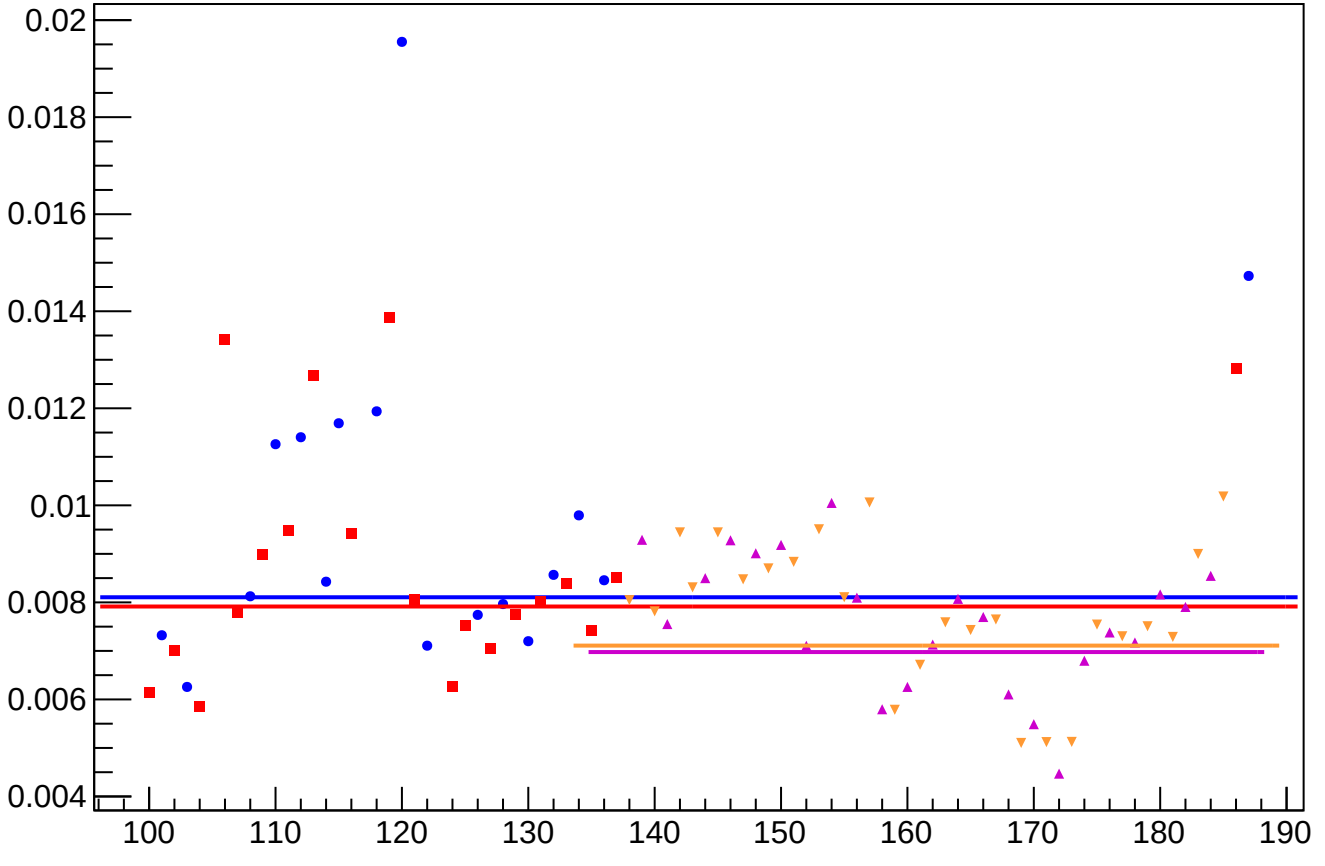
Right: 0.594+/-0.000 χ^2/NDF: 17708825288.9/36

In: 1.119+/-0.000 χ^2/NDF:77639208623.0/39

Out: 1.100+/-0.000 χ^2/NDF:93421368492.3/44

All: 1.109+/-0.000 χ^2/NDF: 171141360647.7

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 665163.0/16

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 701143.1/19

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

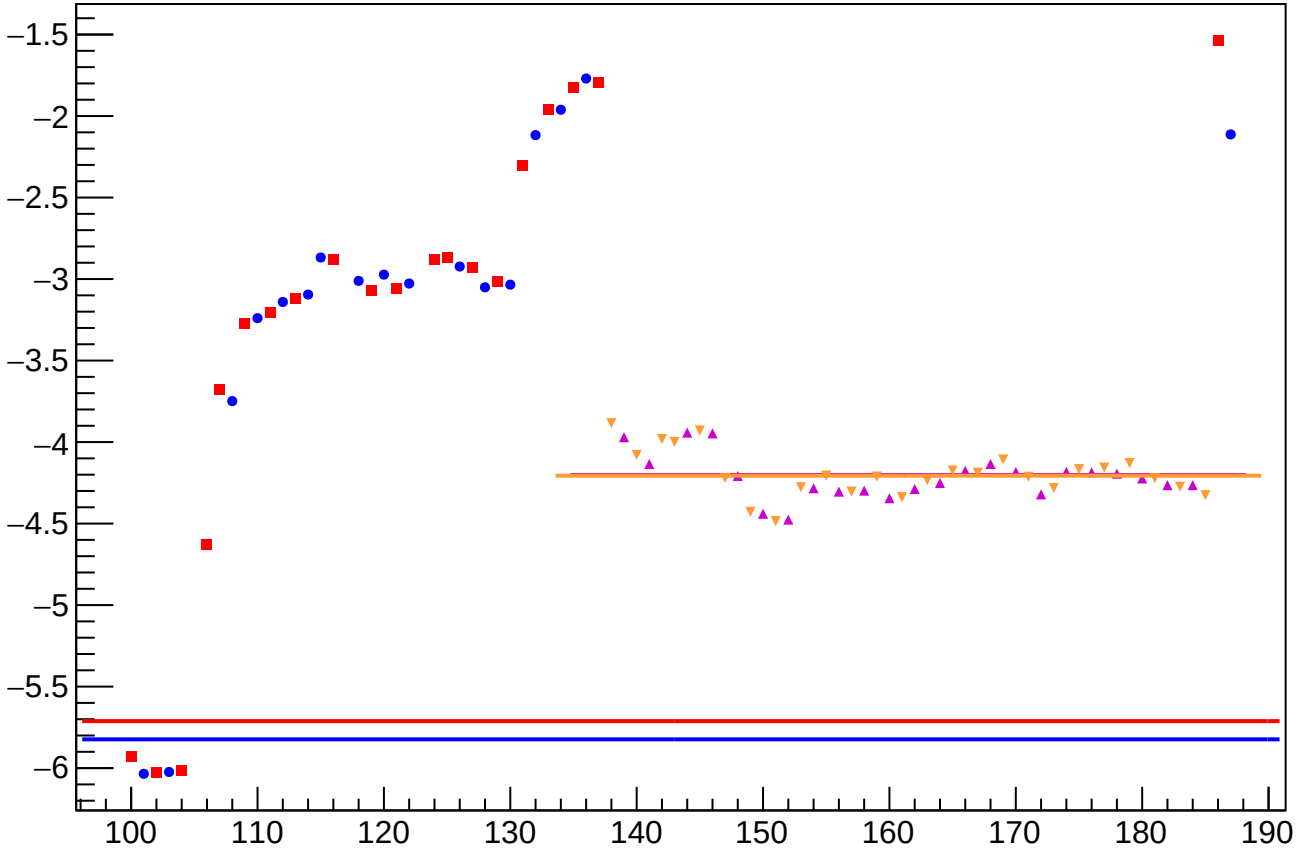
Right: 0.008+/-0.000 χ^2/NDF: 1369979.3/36

In: 0.007+/-0.000 χ^2/NDF:2311205.6/39

Out: 0.007+/-0.000 χ^2/NDF:2326225.1/44

All: 0.007+/-0.000 χ^2/NDF: 4640044.7/84

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.823+/-0.000 χ^2/NDF: 38977430103.9/16

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -5.712+/-0.000 χ^2/NDF: 53904537464.3/19

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

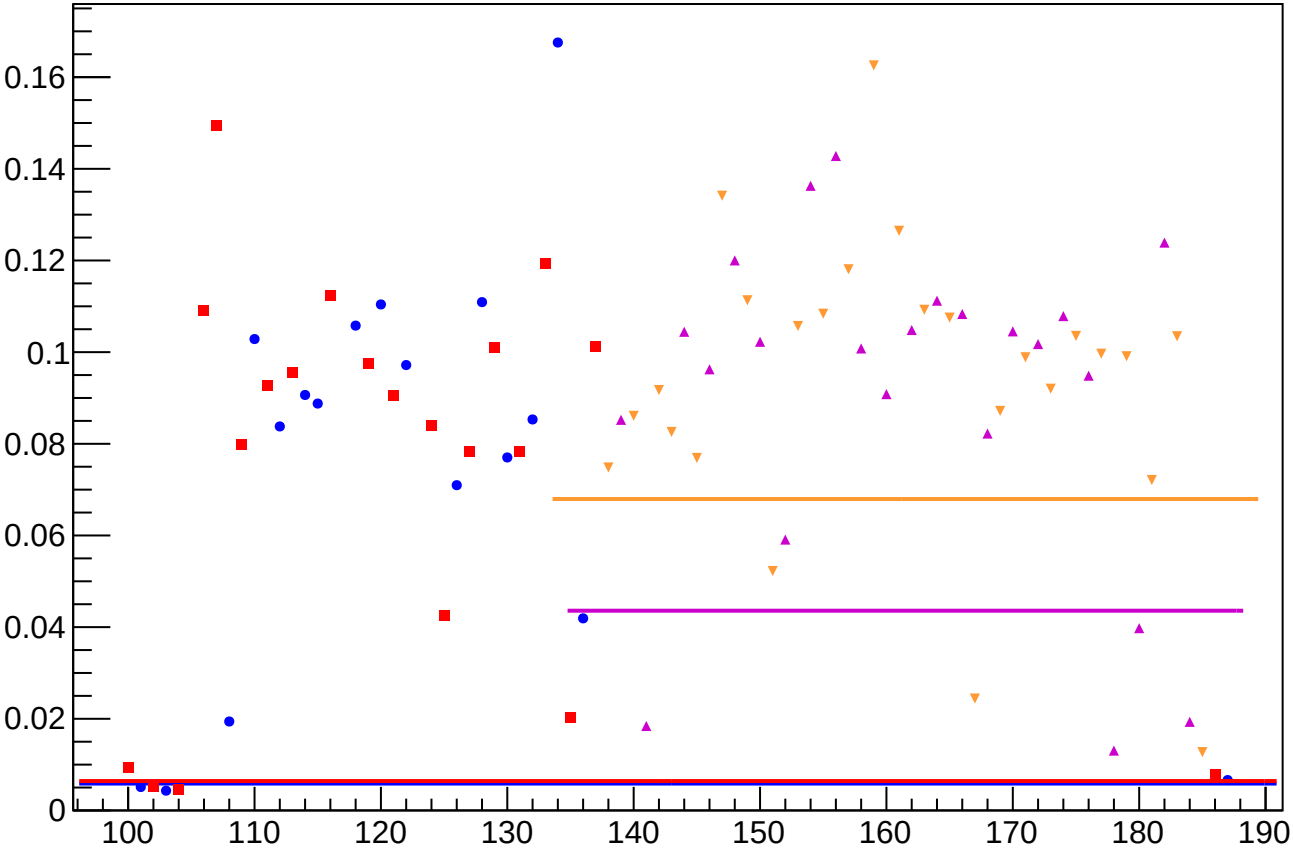
Right: -5.773+/-0.000 χ^2/NDF: 93185266803.1/36

In: -5.708+/-0.000 χ^2/NDF:49015560672.0/39

Out: -5.627+/-0.000 χ^2/NDF:59657882517.5/44

All: -5.671+/-0.000 χ^2/NDF: 108844757394.8

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8702709.2/16

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8760396.2/19

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

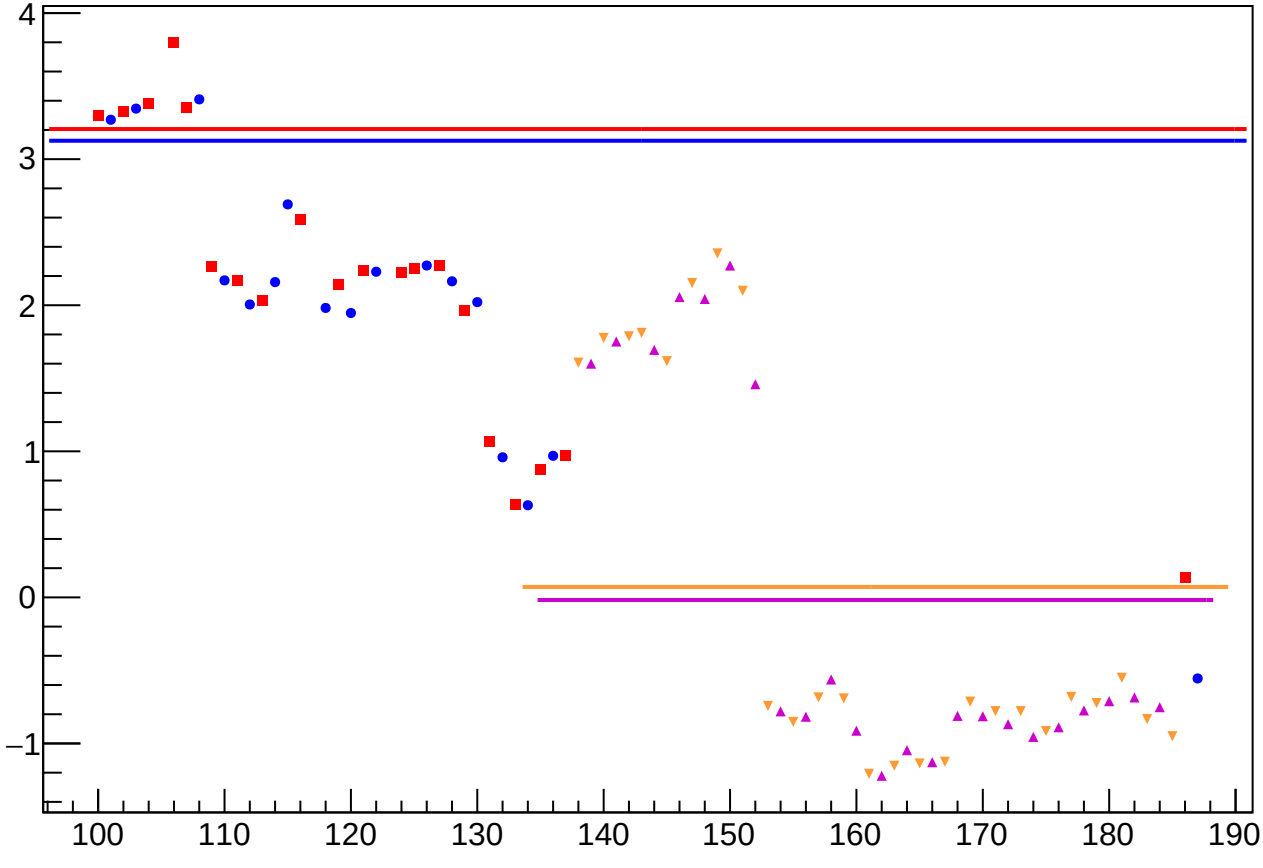
Right: 0.006+/-0.000 χ^2/NDF: 17477473.4/36

In: 0.009+/-0.000 χ^2/NDF:32273262.6/39

Out: 0.010+/-0.000 χ^2/NDF:35407853.0/44

All: 0.009+/-0.000 χ^2/NDF: 67773048.5/84

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.126+/-0.000 χ^2/NDF: 18906074222.6/16

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 3.206+/-0.000 χ^2/NDF: 11302535285.2/19

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

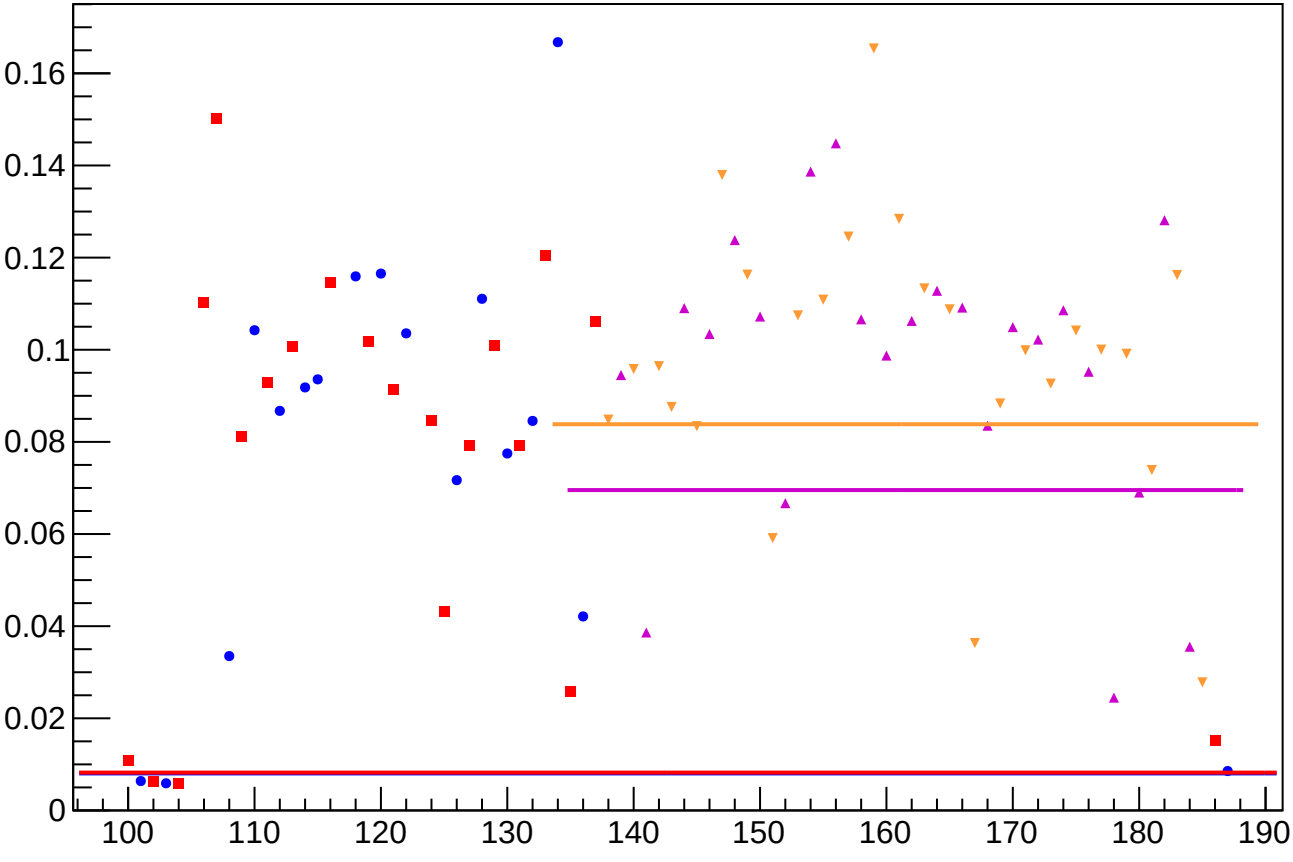
Right: 3.165+/-0.000 χ^2/NDF: 30308403212.2/36

In: 2.910+/-0.000 χ^2/NDF:44247920473.5/39

Out: 3.006+/-0.000 χ^2/NDF:33859116500.6/44

All: 2.956+/-0.000 χ^2/NDF: 78260360714.0/8

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8416299.0/16

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 8627220.0/19

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

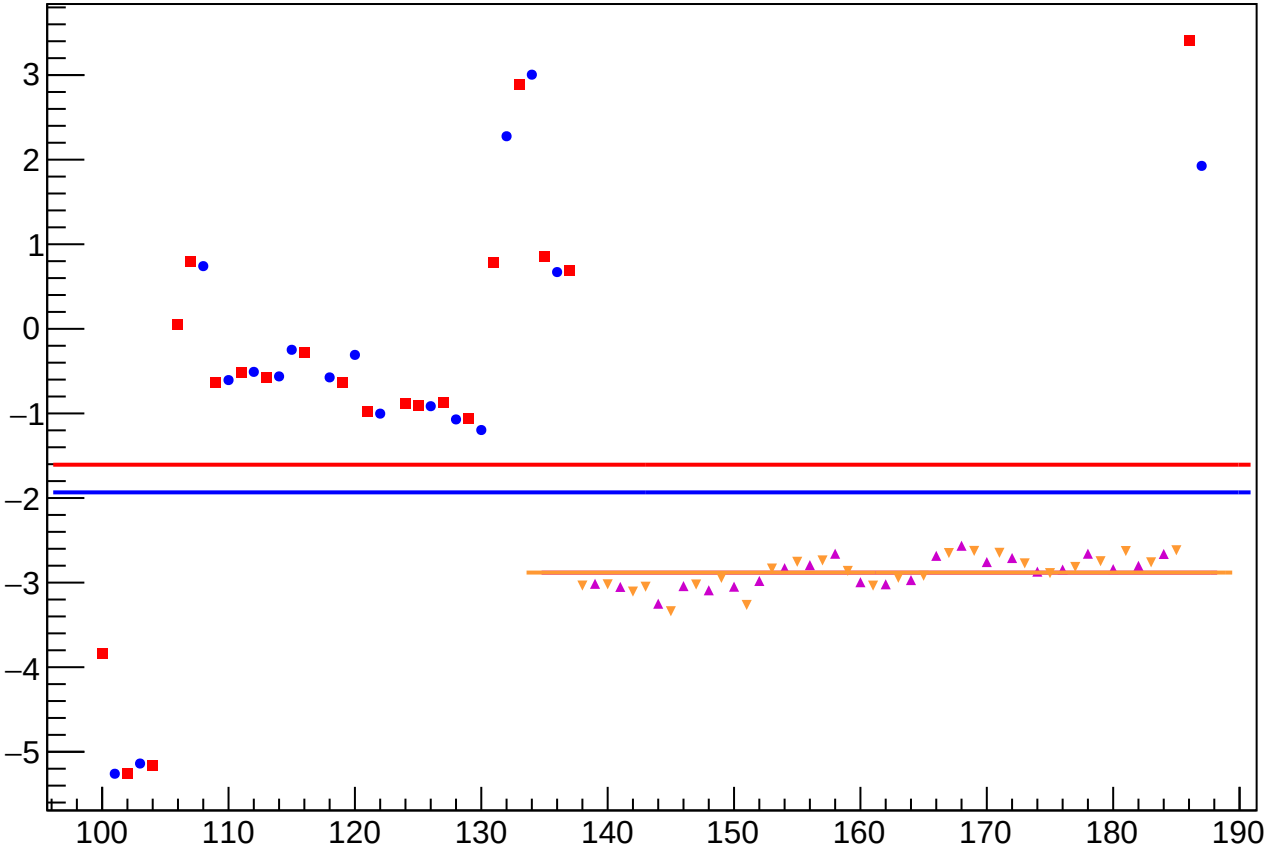
Right: 0.008+/-0.000 χ^2/NDF: 17044504.3/36

In: 0.012+/-0.000 χ^2/NDF:31862457.4/39

Out: 0.013+/-0.000 χ^2/NDF:34475456.6/44

All: 0.013+/-0.000 χ^2/NDF: 66358344.5/84

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.933+/-0.000 χ^2/NDF: 165455455127.3/16

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.606+/-0.000 χ^2/NDF: 180744549493.2/19

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

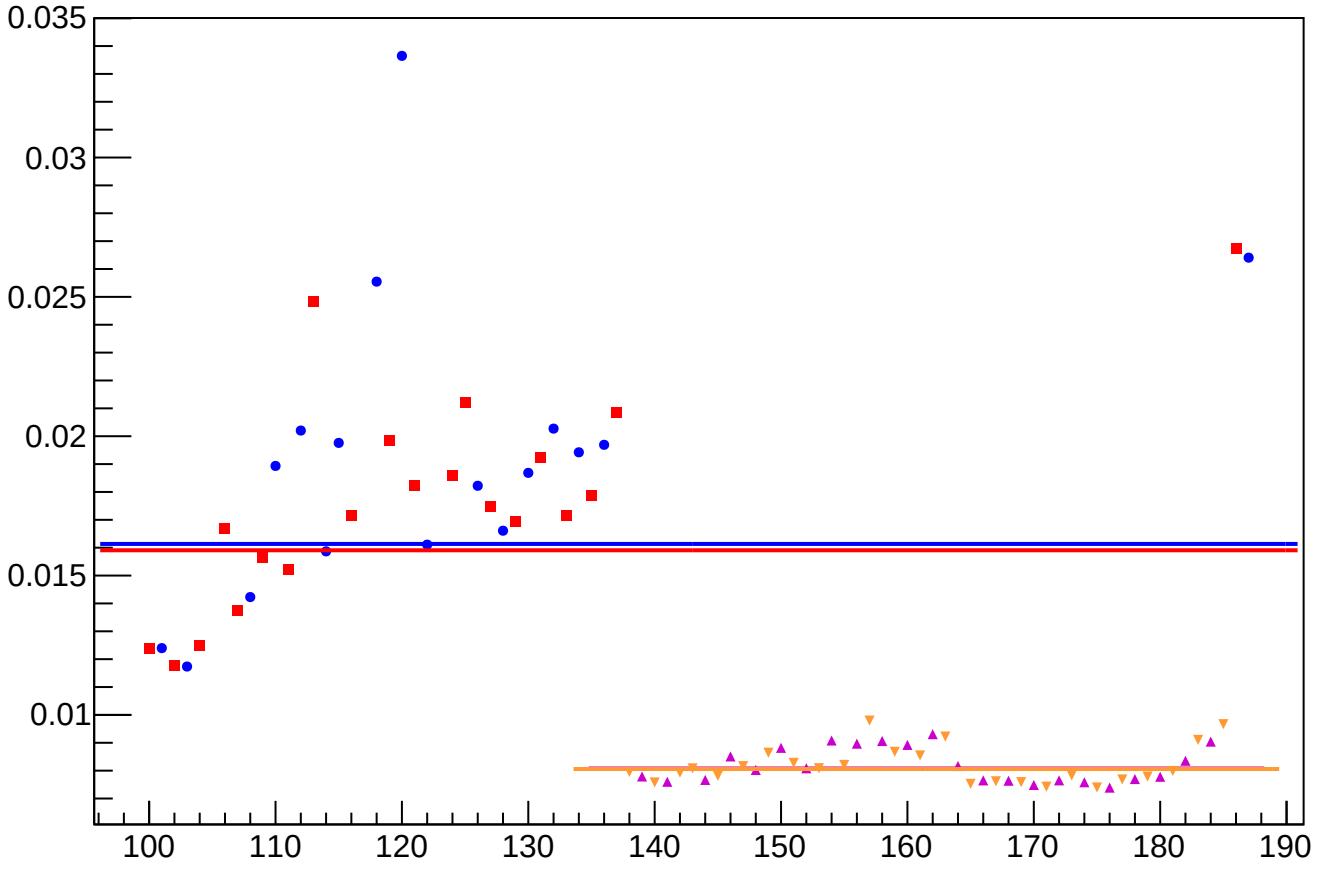
Right: -1.758+/-0.000 χ^2/NDF: 347509591245.3/36

In: -2.808+/-0.000 χ^2/NDF:192748155364.5/39

Out: -2.773+/-0.000 χ^2/NDF:230461337172.4/44

All: -2.790+/-0.000 χ^2/NDF: 423389002446.5

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 785031.9/16

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.016+/-0.000 χ^2/NDF: 622099.9/19

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

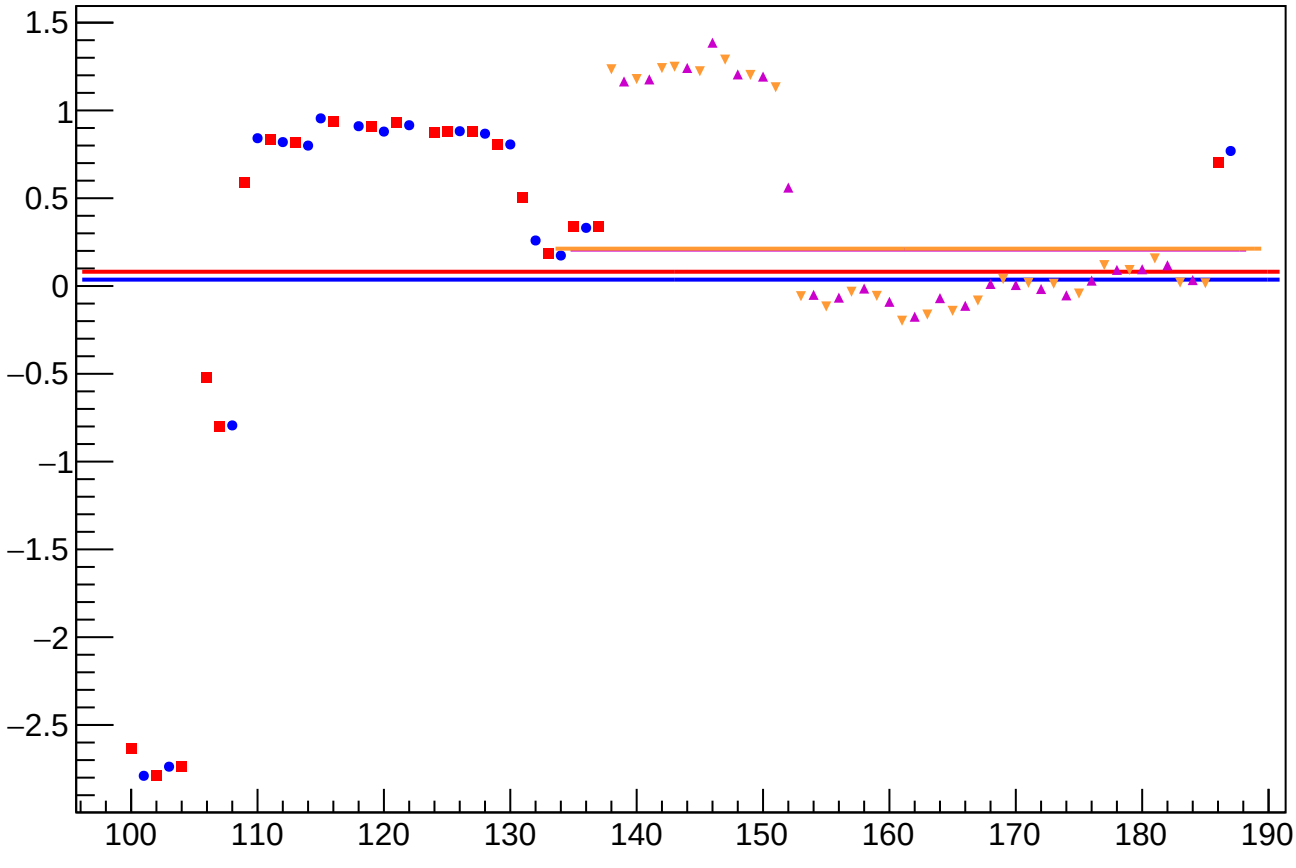
Right: 0.016+/-0.000 χ^2/NDF: 1408405.3/36

In: 0.009+/-0.000 χ^2/NDF:3703757.6/39

Out: 0.009+/-0.000 χ^2/NDF:3775247.5/44

All: 0.009+/-0.000 χ^2/NDF: 7479044.8/84

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.000 χ^2/NDF: 854021784024.2/16

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.081+/-0.000 χ^2/NDF: 941173134026.8/19

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

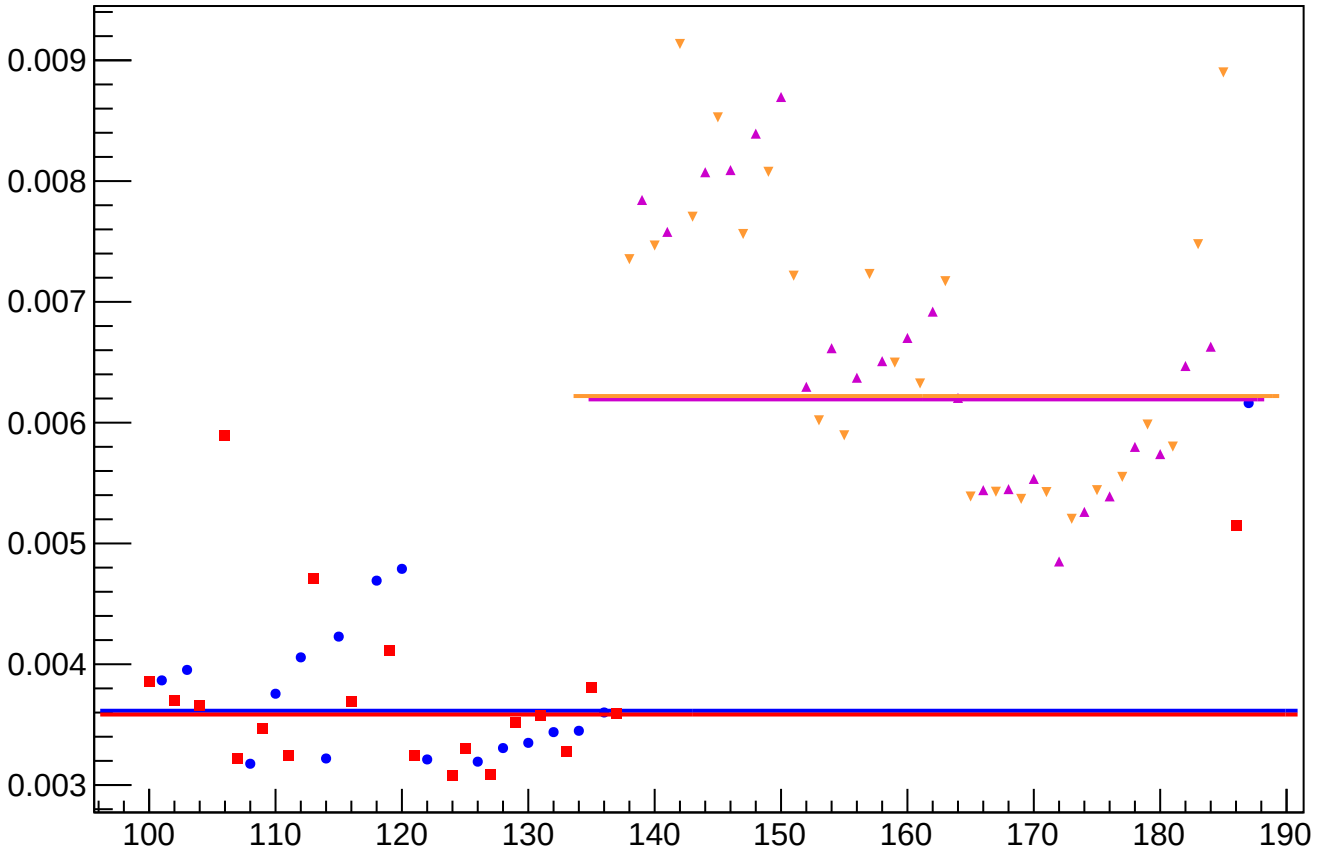
Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

Right: 0.060+/-0.000 χ^2/NDF: 1795749441398.6/36

In: 0.112+/-0.000 χ^2/NDF:947899621821.2/39

Out: 0.138+/-0.000 χ^2/NDF:1048239822788.3/44

All: 0.125+/-0.000 χ^2/NDF: 1996466306121.



Right In: 0.004+/-0.000 χ^2/NDF: 237085.0/16

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 297017.3/19

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

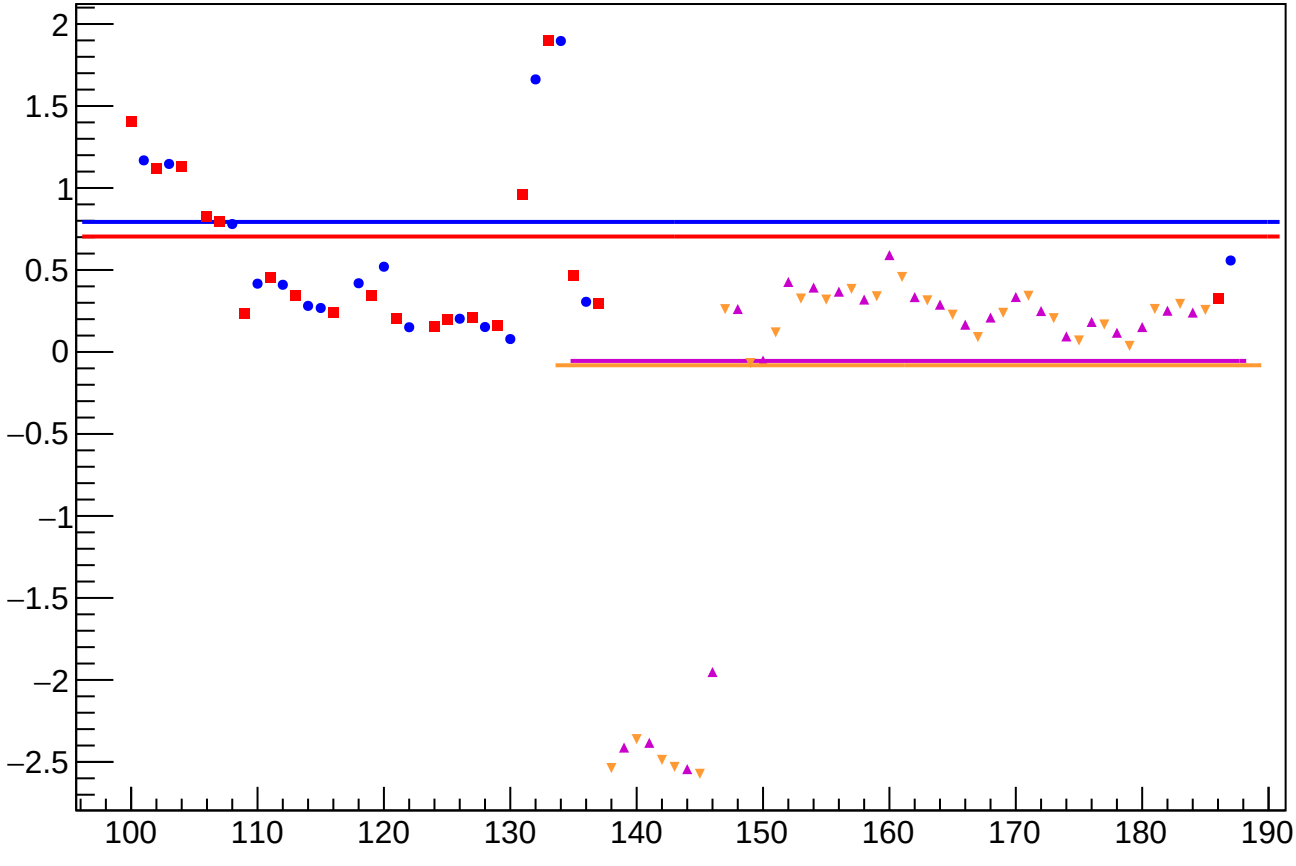
Right: 0.004+/-0.000 χ^2/NDF: 534637.6/36

In: 0.005+/-0.000 χ^2/NDF:4126758.4/39

Out: 0.005+/-0.000 χ^2/NDF:4530395.5/44

All: 0.005+/-0.000 χ^2/NDF: 8658431.4/84

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.793+/-0.000 χ^2/NDF: 36199245893.8/16

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.704+/-0.000 χ^2/NDF: 39768404771.2/19

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

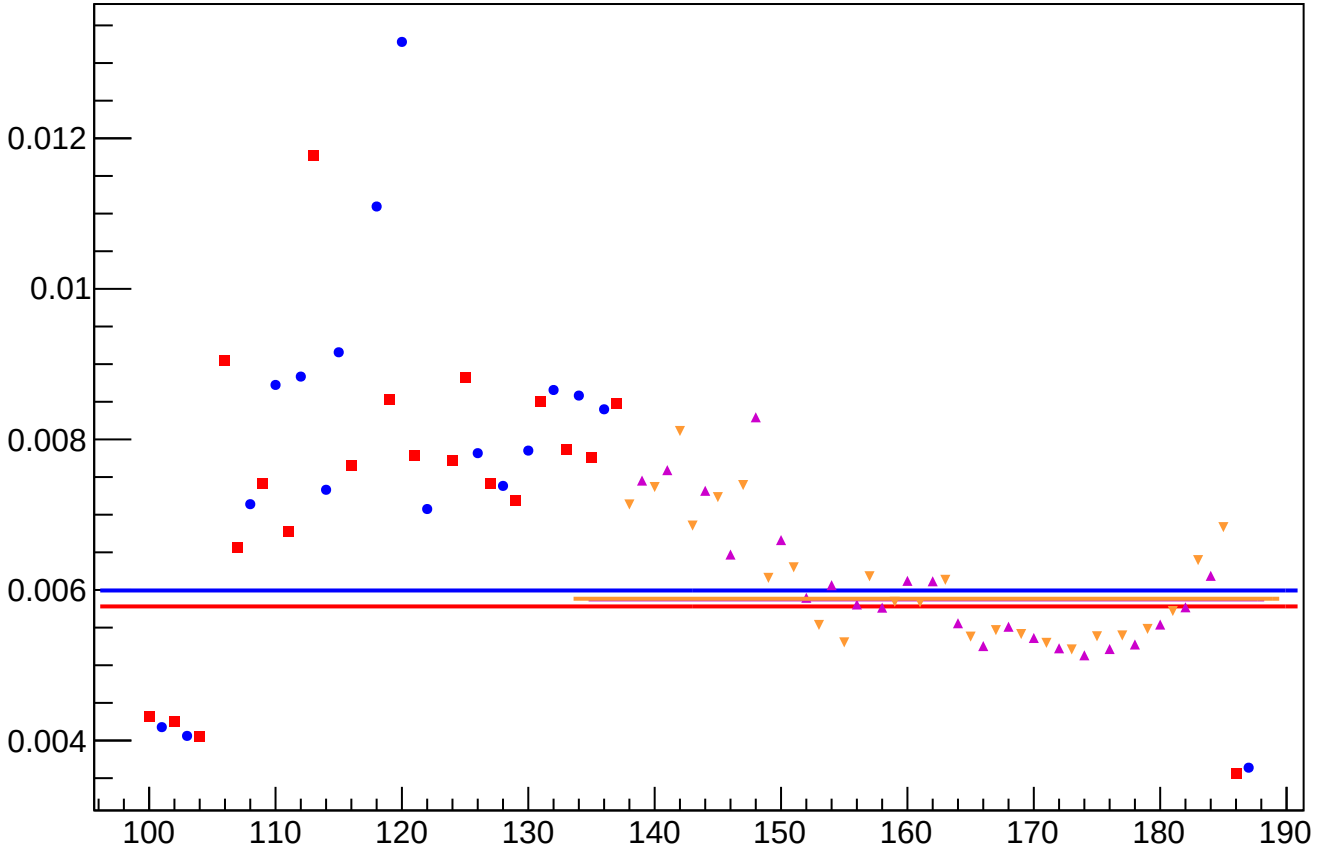
Right: 0.745+/-0.000 χ^2/NDF: 76643229402.7/36

In: 0.153+/-0.000 χ^2/NDF:468612536751.6/39

Out: 0.130+/-0.000 χ^2/NDF:511950694430.1/44

All: 0.141+/-0.000 χ^2/NDF: 980747673521.4

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1581544.6/16

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1520119.6/19

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

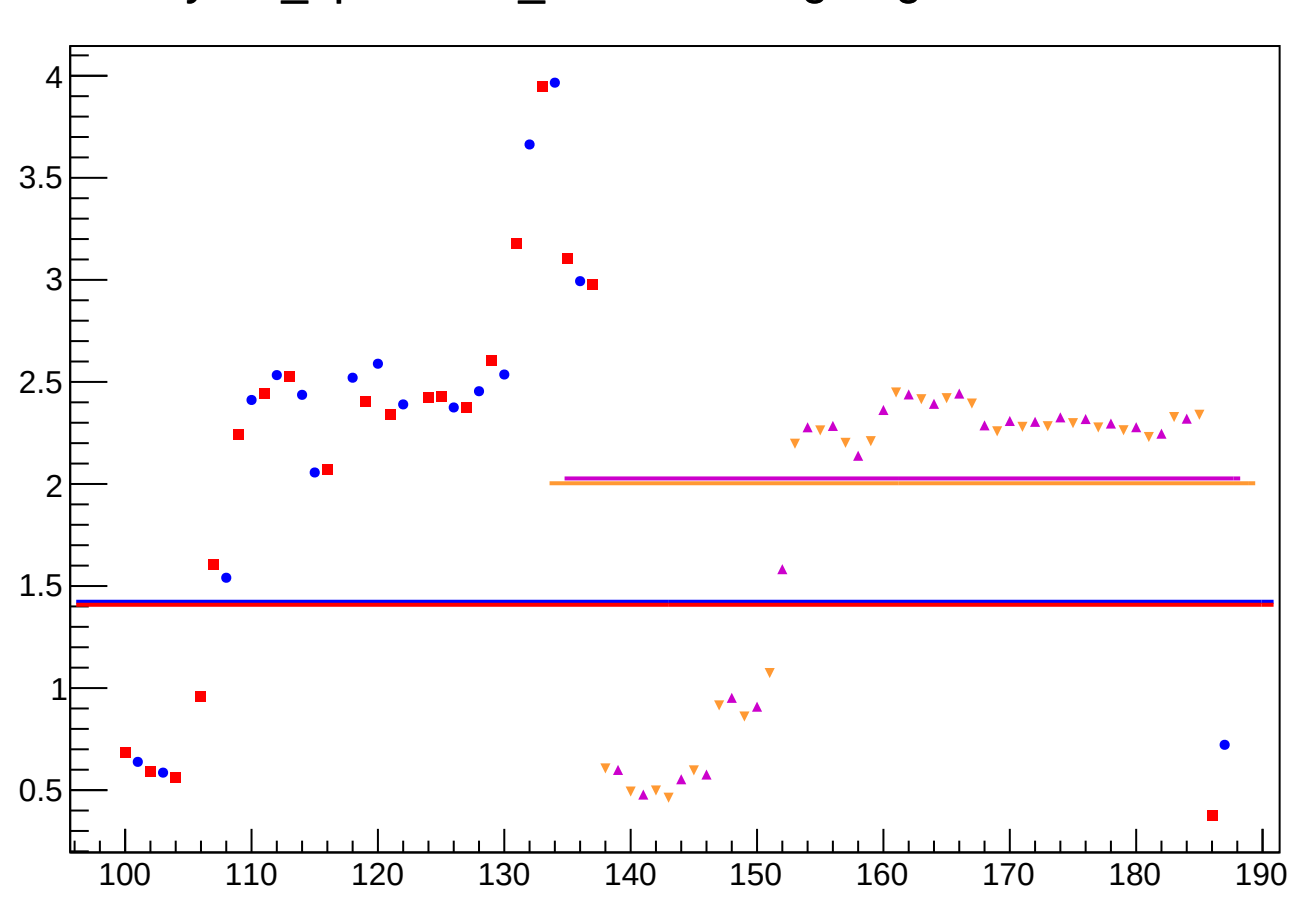
Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

Right: 0.006+/-0.000 χ^2/NDF: 3109314.9/36

In: 0.006+/-0.000 χ^2/NDF:2106767.0/39

Out: 0.006+/-0.000 χ^2/NDF:1980741.7/44

All: 0.006+/-0.000 χ^2/NDF: 4089021.1/84



Right In: 1.423+/-0.000 χ^2/NDF: 172686745235.7/16

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.408+/-0.000 χ^2/NDF: 201917170469.9/19

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

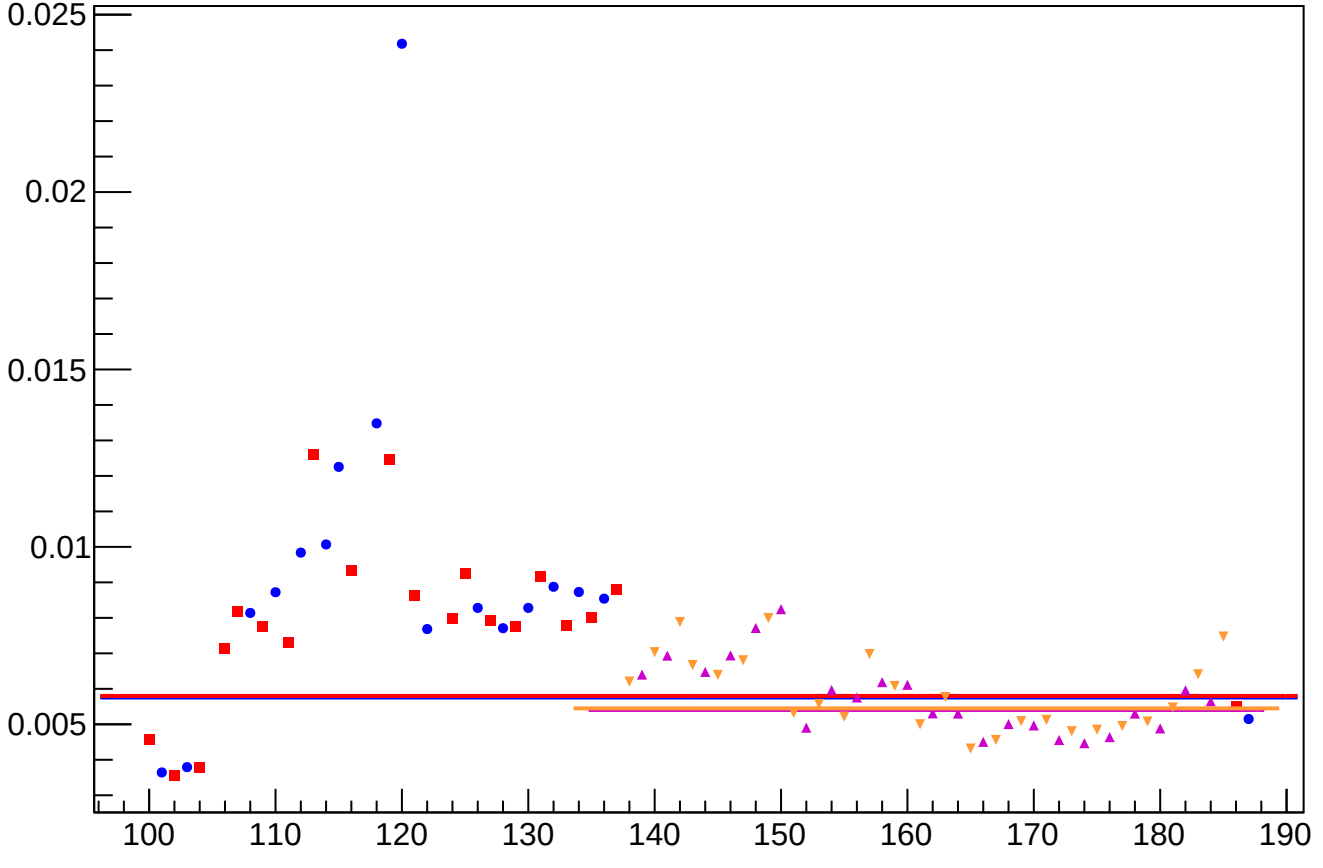
Right: 1.415+/-0.000 χ^2/NDF: 374621945561.8/36

In: 1.890+/-0.000 χ^2/NDF:411122068764.0/39

Out: 1.861+/-0.000 χ^2/NDF:468039772142.3/44

All: 1.875+/-0.000 χ^2/NDF: 879471604492.3

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2218463.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1958203.0/19

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

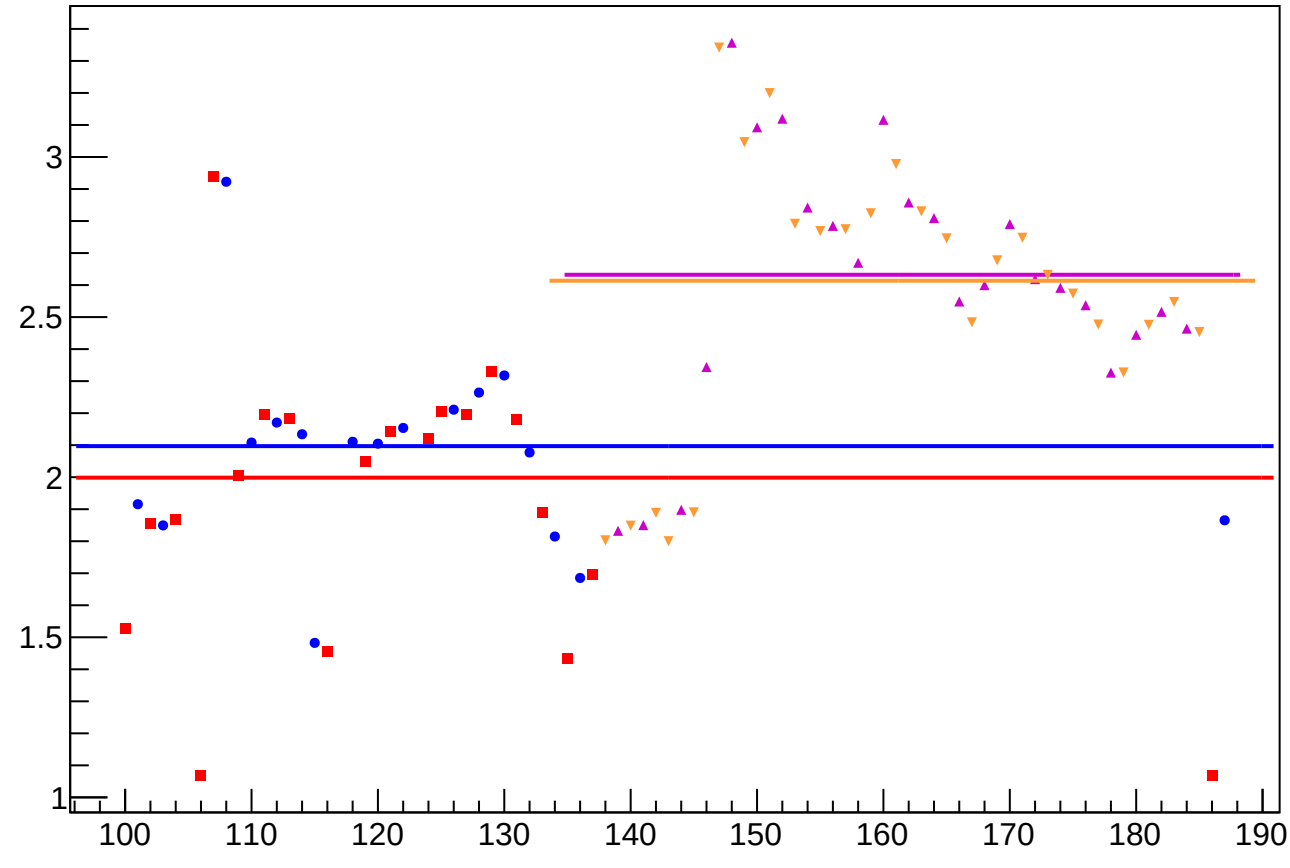
Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4176980.9/36

In: 0.005+/-0.000 χ^2/NDF:3063333.0/39

Out: 0.006+/-0.000 χ^2/NDF:2762250.3/44

All: 0.006+/-0.000 χ^2/NDF: 5827259.2/84



Right In: 2.097+/-0.000 χ^2/NDF: 14008992883.5/16

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.999+/-0.000 χ^2/NDF: 21955564987.9/19

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

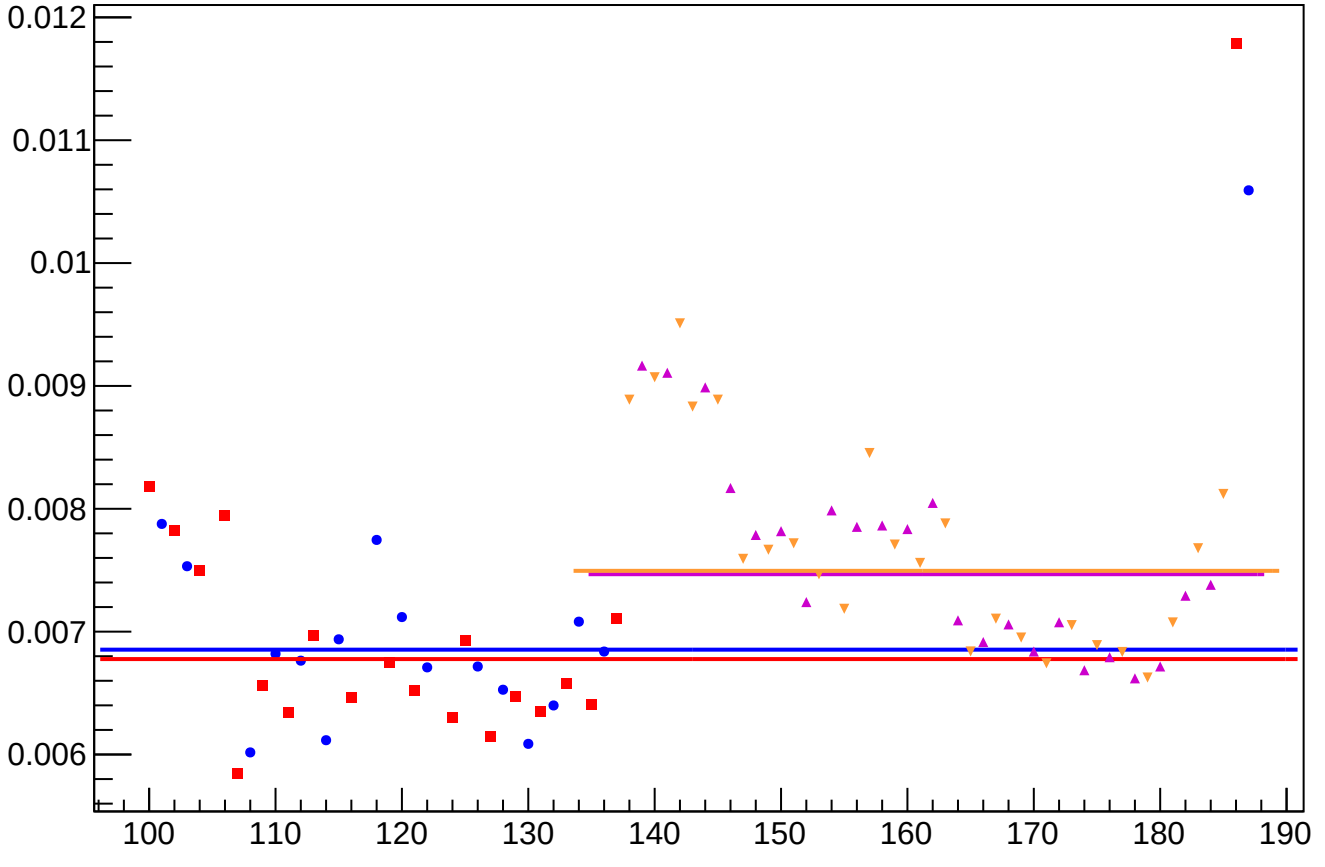
Right: 2.046+/-0.000 χ^2/NDF: 36716190647.6/36

In: 2.459+/-0.000 χ^2/NDF:83325269380.5/39

Out: 2.408+/-0.000 χ^2/NDF:109181610371.6/44

All: 2.433+/-0.000 χ^2/NDF: 193119539624.2

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 128694.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 223448.9/19

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

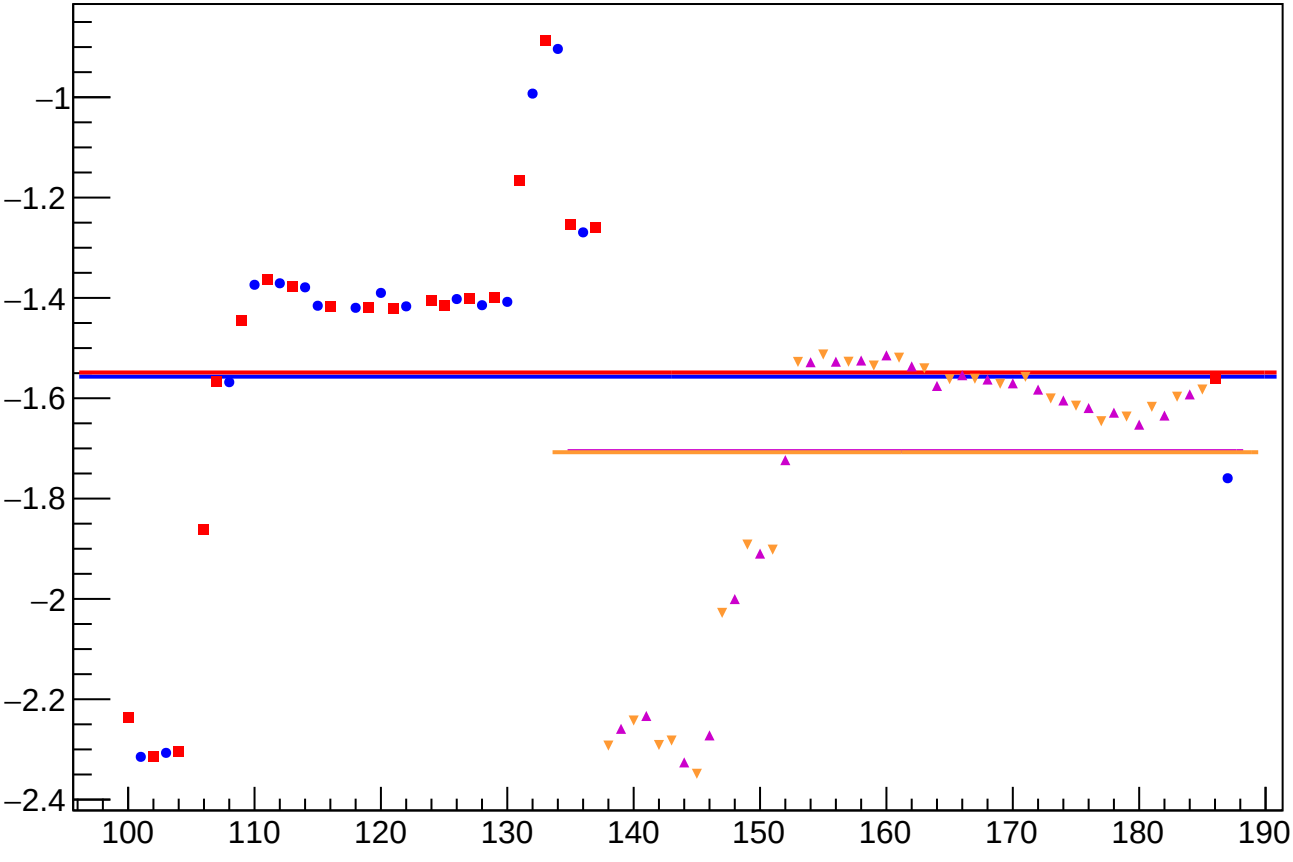
Right: 0.007+/-0.000 χ^2/NDF: 353053.2/36

In: 0.007+/-0.000 χ^2/NDF:526380.7/39

Out: 0.007+/-0.000 χ^2/NDF:667468.3/44

All: 0.007+/-0.000 χ^2/NDF: 1193939.6/84

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.557+/-0.000 χ^2/NDF: 175814184039.9/16

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.549+/-0.000 χ^2/NDF: 174748572804.9/19

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

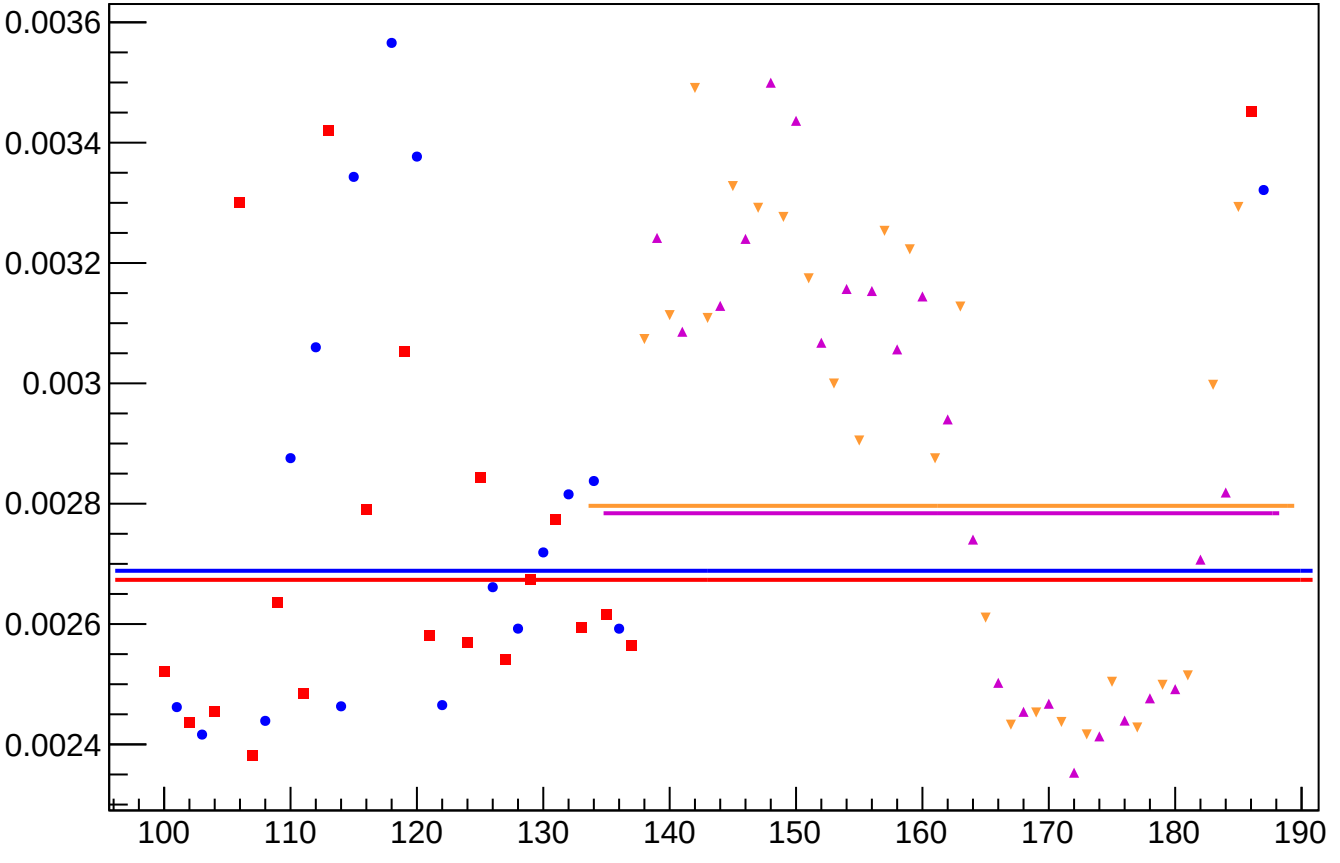
Right: -1.553+/-0.000 χ^2/NDF: 350597232946.6/36

In: -1.661+/-0.000 χ^2/NDF:326989976253.4/39

Out: -1.658+/-0.000 χ^2/NDF:344596794904.1/44

All: -1.659+/-0.000 χ^2/NDF: 671596586608.4

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 170333.6/16

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 157560.9/19

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

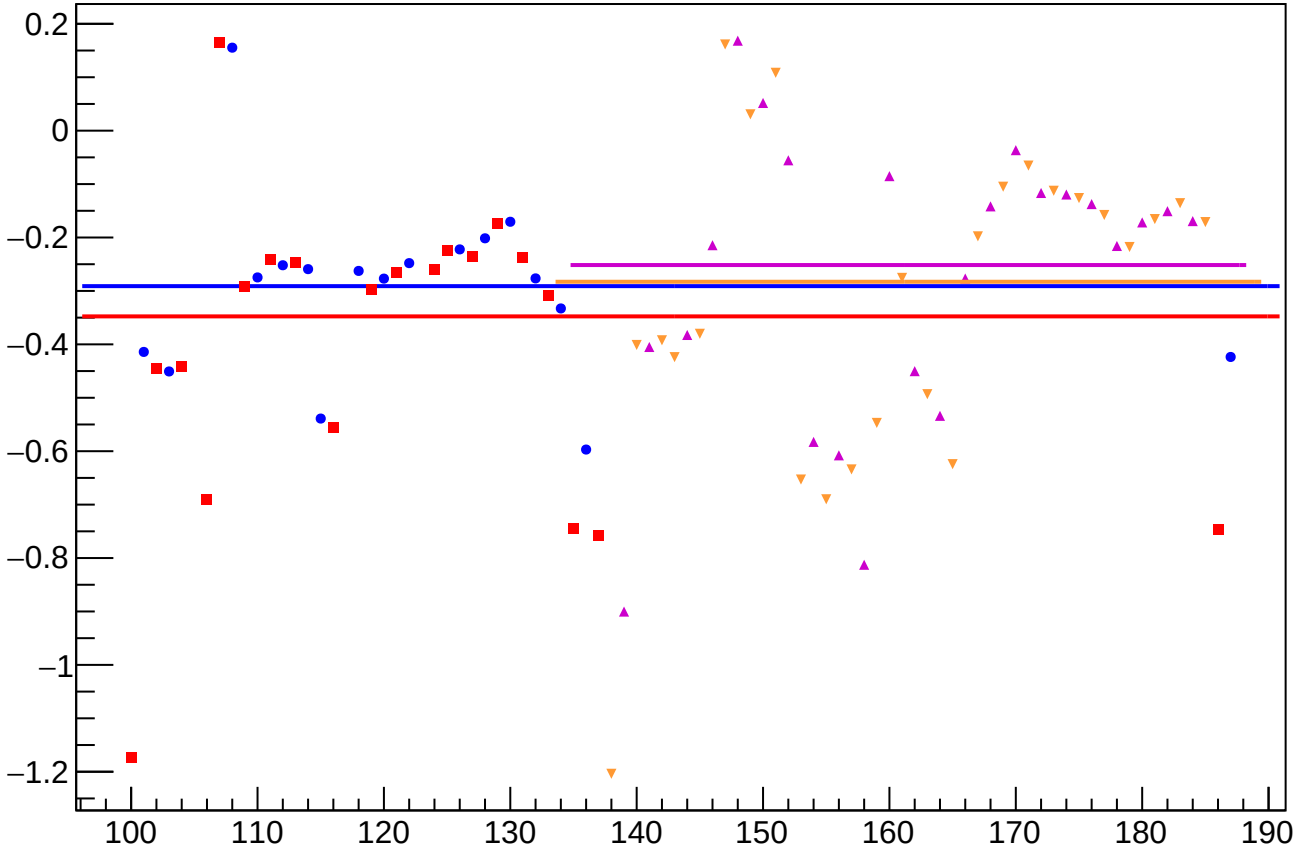
Right: 0.003+/-0.000 χ^2/NDF: 328119.8/36

In: 0.003+/-0.000 χ^2/NDF:739587.7/39

Out: 0.003+/-0.000 χ^2/NDF:726873.3/44

All: 0.003+/-0.000 χ^2/NDF: 1466488.3/84

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.291+/-0.000 χ^2/NDF: 1654337017.7/16

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.348+/-0.000 χ^2/NDF: 2752944544.4/19

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

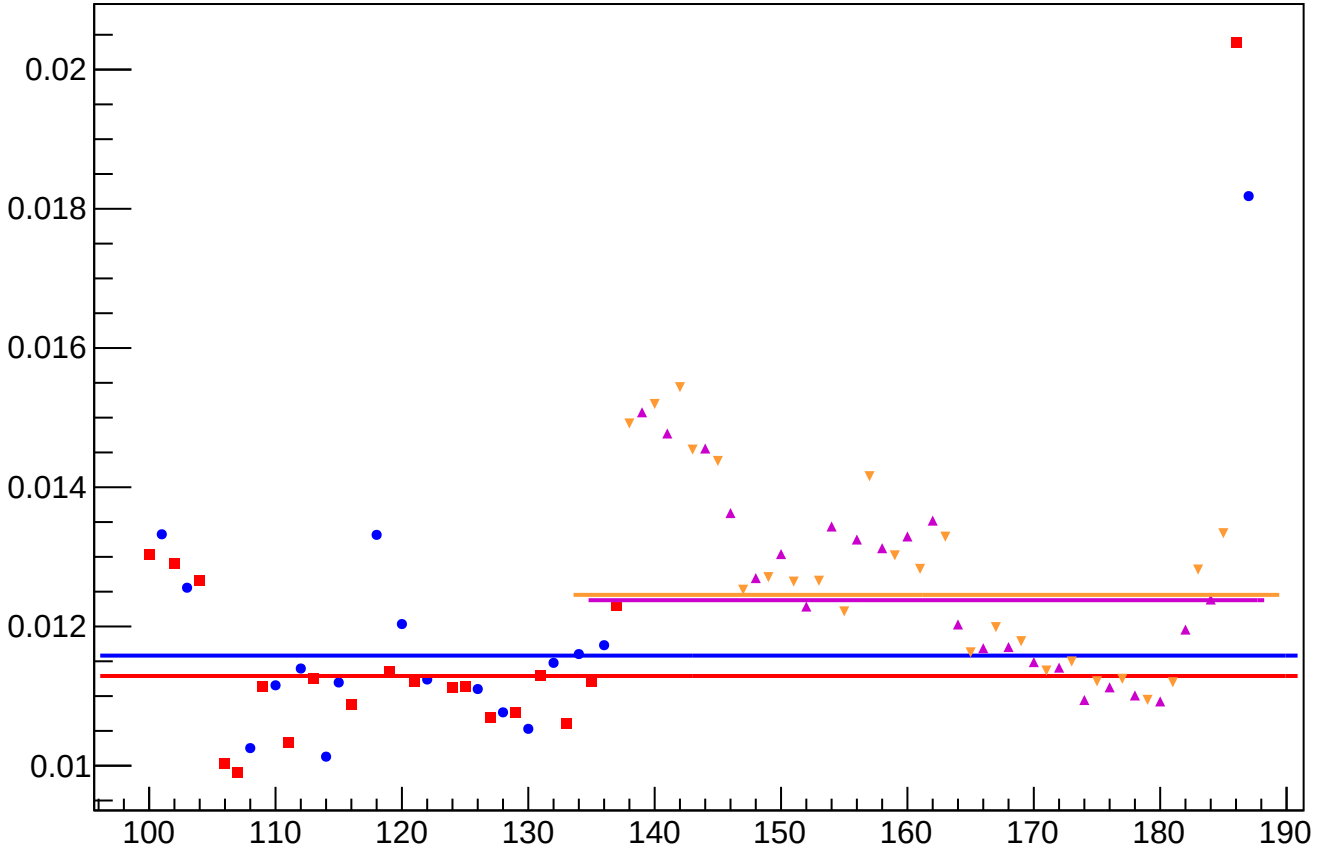
Right: -0.321+/-0.000 χ^2/NDF: 4496598597.0/36

In: -0.264+/-0.000 χ^2/NDF:8877694249.3/39

Out: -0.305+/-0.000 χ^2/NDF:12262039824.6/44

All: -0.285+/-0.000 χ^2/NDF: 21279500165.9/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 129718.6/16

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.011+/-0.000 χ^2/NDF: 220024.6/19

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

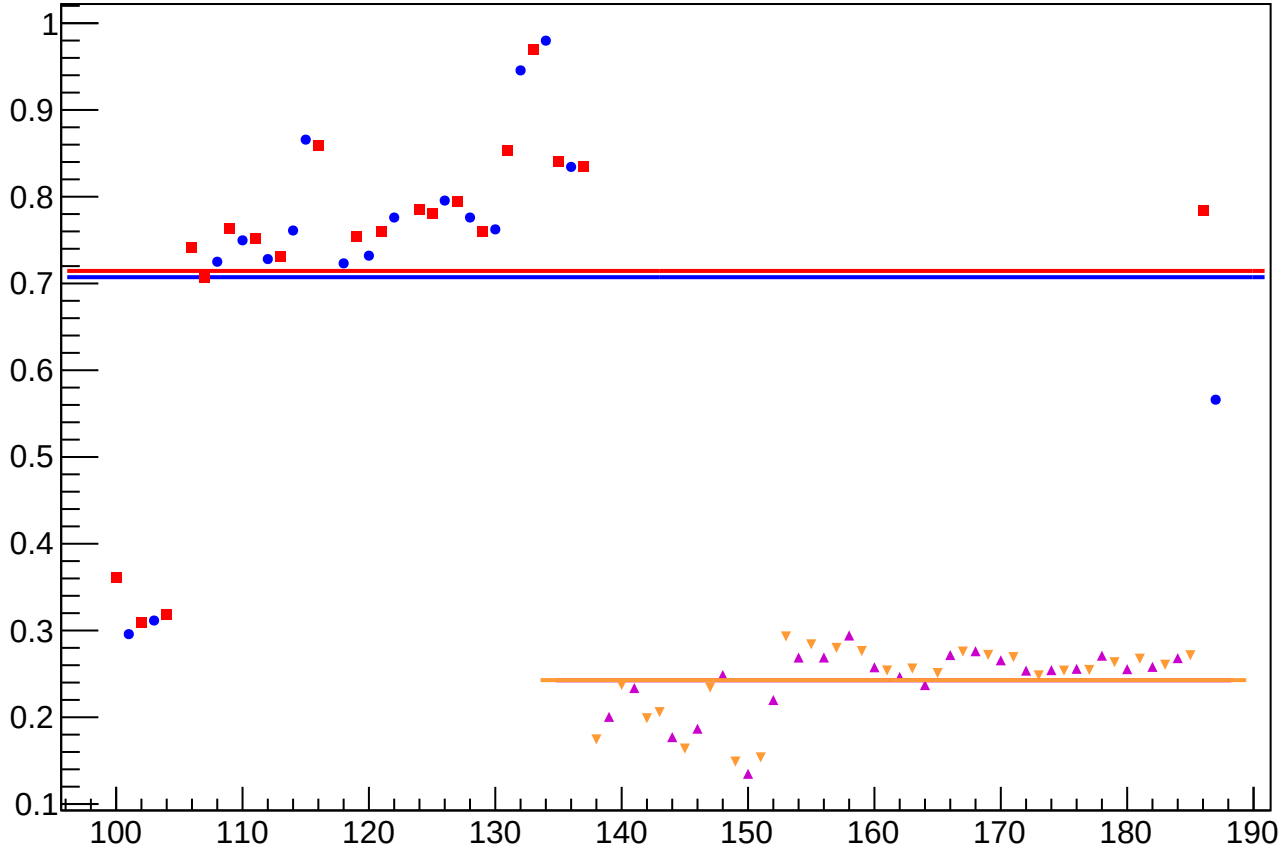
Right: 0.011+/-0.000 χ^2/NDF: 354520.0/36

In: 0.012+/-0.000 χ^2/NDF:502131.0/39

Out: 0.012+/-0.000 χ^2/NDF:668473.5/44

All: 0.012+/-0.000 χ^2/NDF: 1171230.2/84

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.707+/-0.000 χ^2/NDF: 49323800703.0/16

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.714+/-0.000 χ^2/NDF: 44400546537.1/19

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

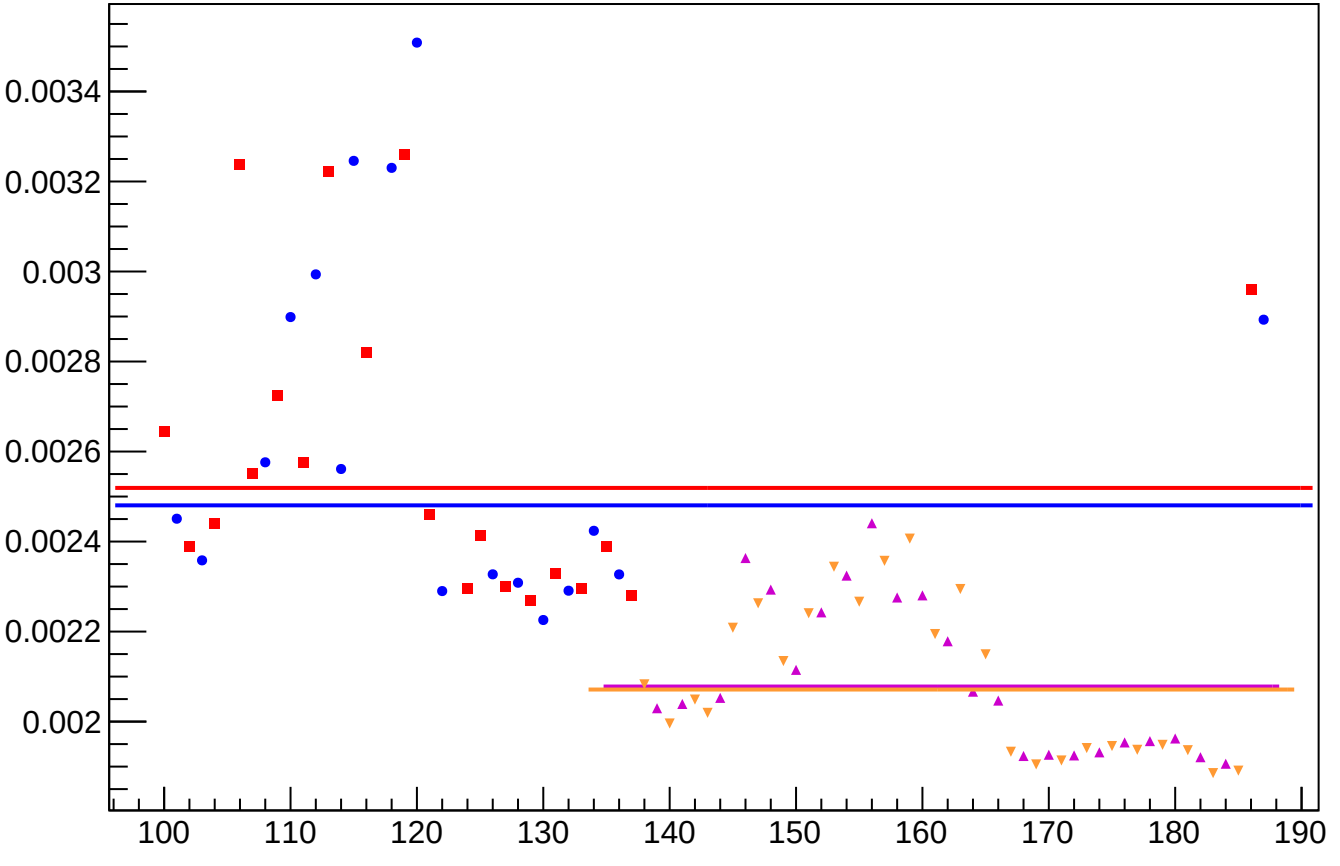
Right: 0.711+/-0.000 χ^2/NDF: 93754433326.7/36

In: 0.342+/-0.000 χ^2/NDF:247841414754.7/39

Out: 0.341+/-0.000 χ^2/NDF:257733302087.4/44

All: 0.341+/-0.000 χ^2/NDF: 505575718862.0

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 214866.5/16

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 195804.2/19

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

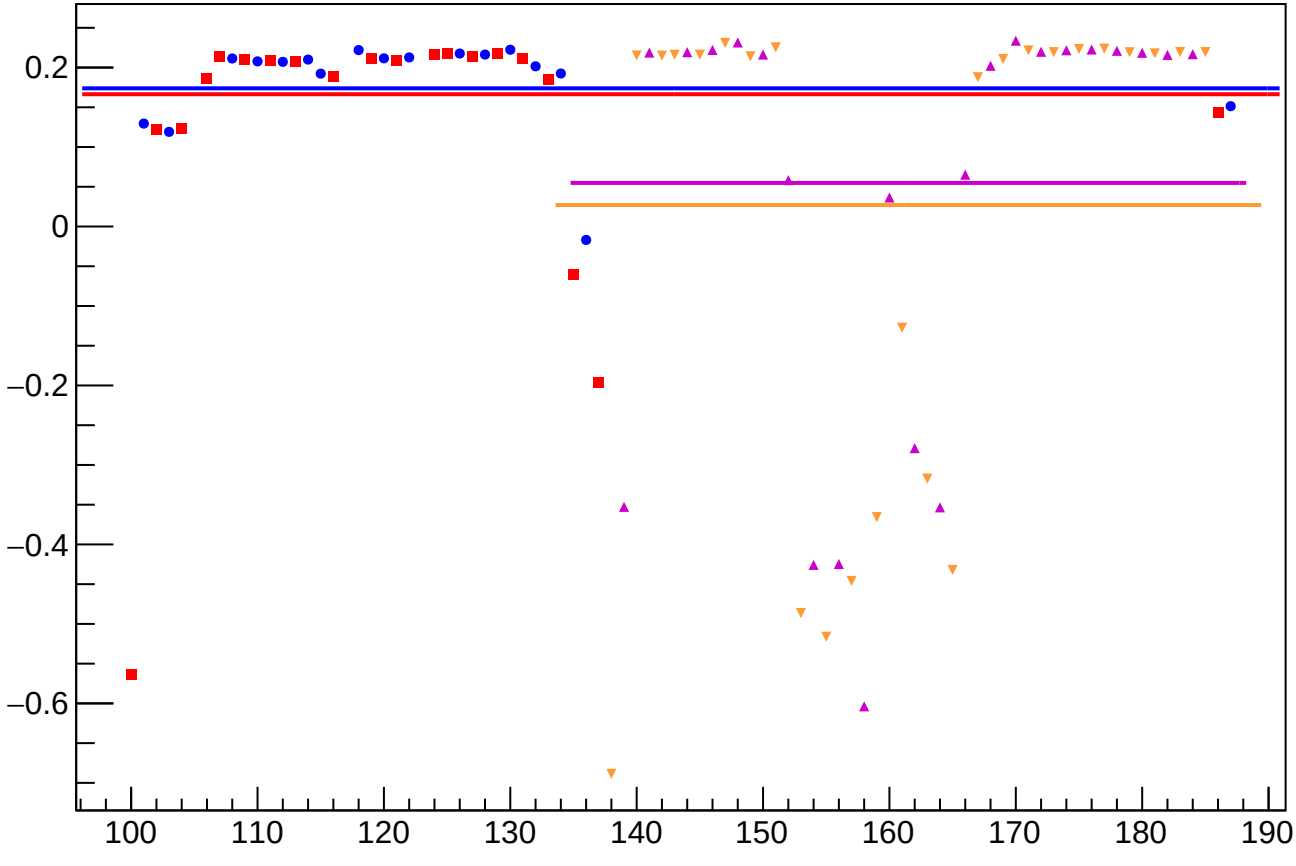
Right: 0.003+/-0.000 χ^2/NDF: 412399.3/36

In: 0.002+/-0.000 χ^2/NDF:715744.3/39

Out: 0.002+/-0.000 χ^2/NDF:801309.9/44

All: 0.002+/-0.000 χ^2/NDF: 1517057.8/84

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 402264798.2/16

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.166+/-0.000 χ^2/NDF: 894727609.3/19

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

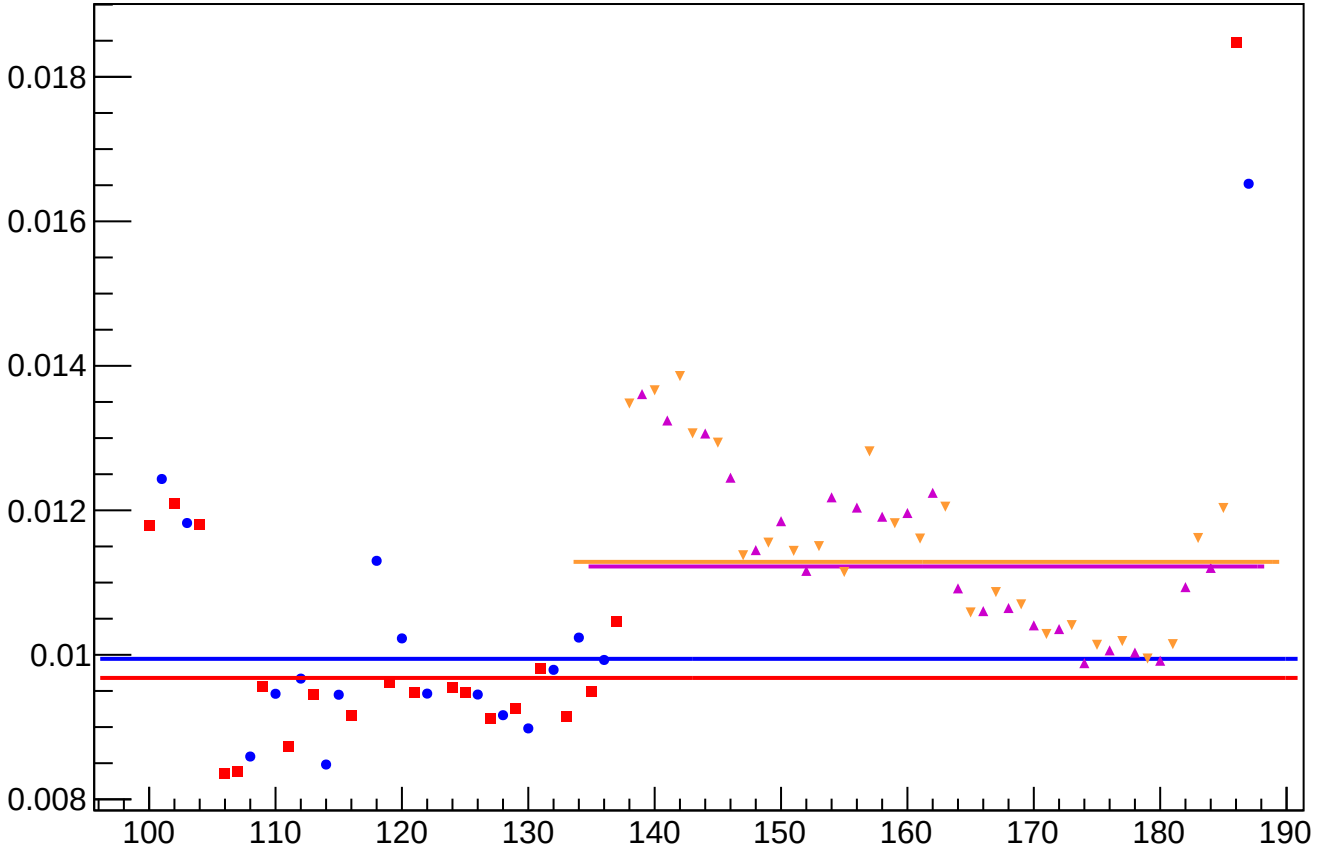
Right: 0.170+/-0.000 χ^2/NDF: 1299069961.6/36

In: 0.095+/-0.000 χ^2/NDF:10768589037.3/39

Out: 0.077+/-0.000 χ^2/NDF:14866937320.6/44

All: 0.086+/-0.000 χ^2/NDF: 25672102006.4/8

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 203221.6/16

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 306411.4/19

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

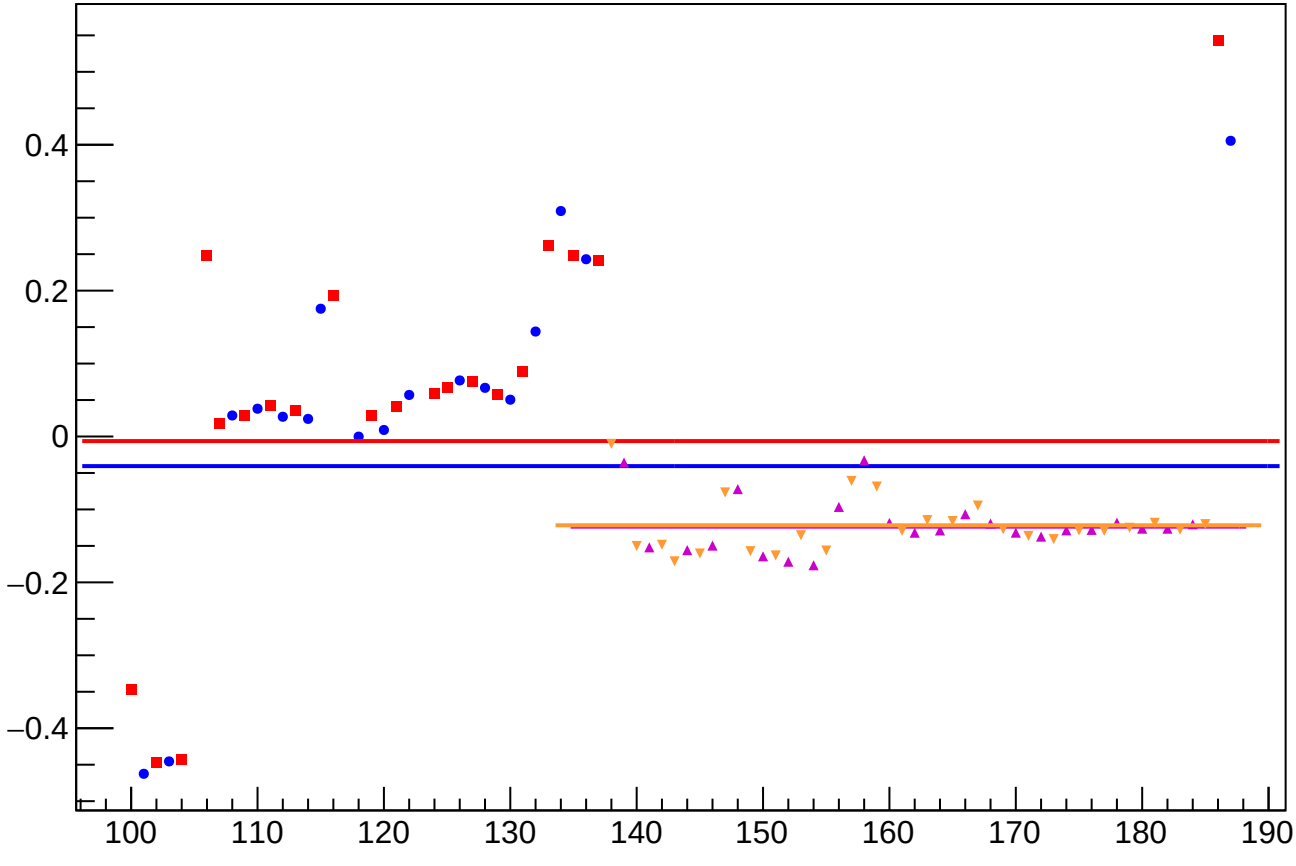
Right: 0.010+/-0.000 χ^2/NDF: 514873.9/36

In: 0.011+/-0.000 χ^2/NDF:671292.8/39

Out: 0.011+/-0.000 χ^2/NDF:899655.3/44

All: 0.011+/-0.000 χ^2/NDF: 1572193.3/84

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.000 χ^2/NDF: 26248764412.5/16

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: -0.006+/-0.000 χ^2/NDF: 29157326679.9/19

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

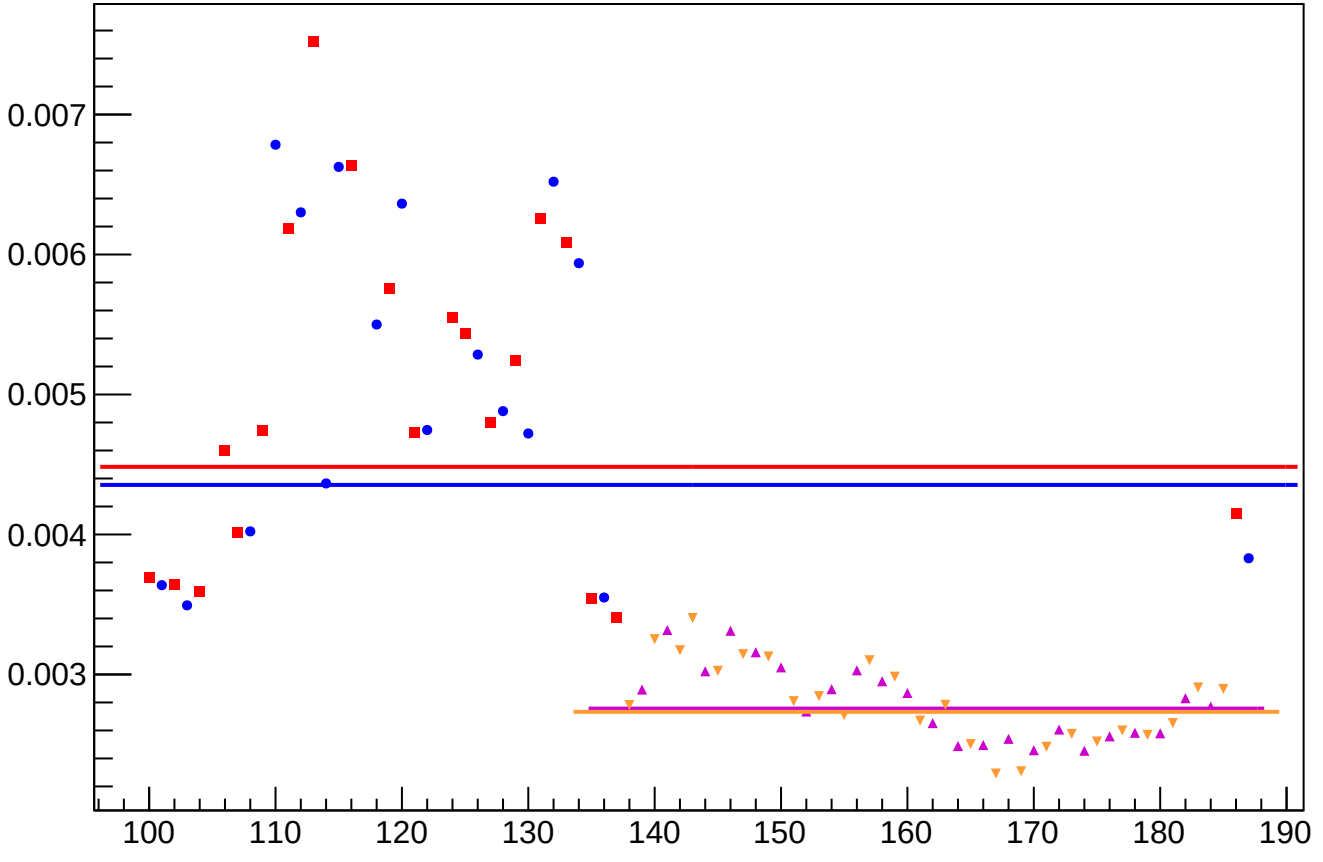
Right: -0.023+/-0.000 χ^2/NDF: 55602373868.8/36

In: -0.113+/-0.000 χ^2/NDF:31045254610.2/39

Out: -0.108+/-0.000 χ^2/NDF:36024455628.9/44

All: -0.110+/-0.000 χ^2/NDF: 67108196831.1/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 666411.9/16

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 709838.5/19

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

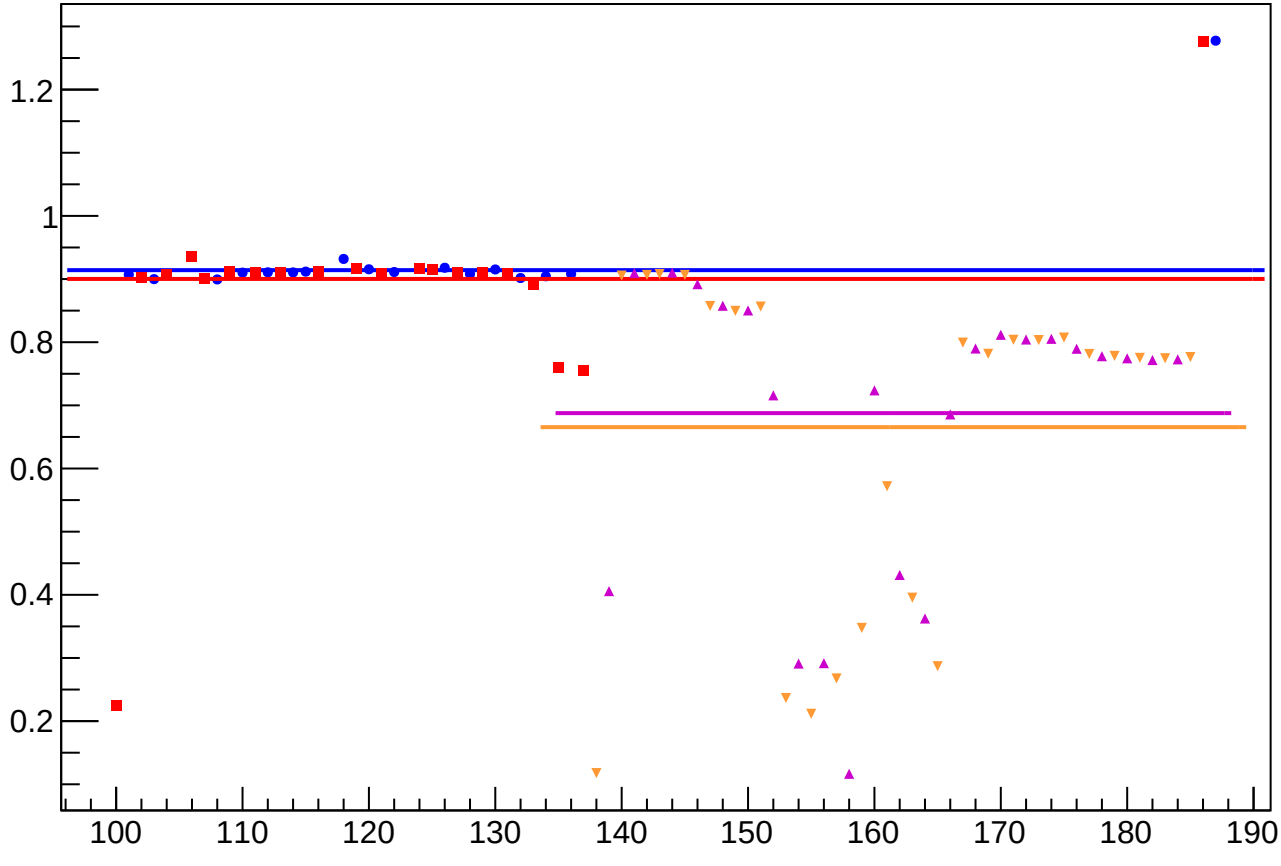
Right: 0.004+/-0.000 χ^2/NDF: 1381814.6/36

In: 0.003+/-0.000 χ^2/NDF:2431344.5/39

Out: 0.003+/-0.000 χ^2/NDF:2914938.9/44

All: 0.003+/-0.000 χ^2/NDF: 5346810.3/84

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.914+/-0.000 χ^2/NDF: 94917651.7/16

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.900+/-0.000 χ^2/NDF: 503045761.2/19

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

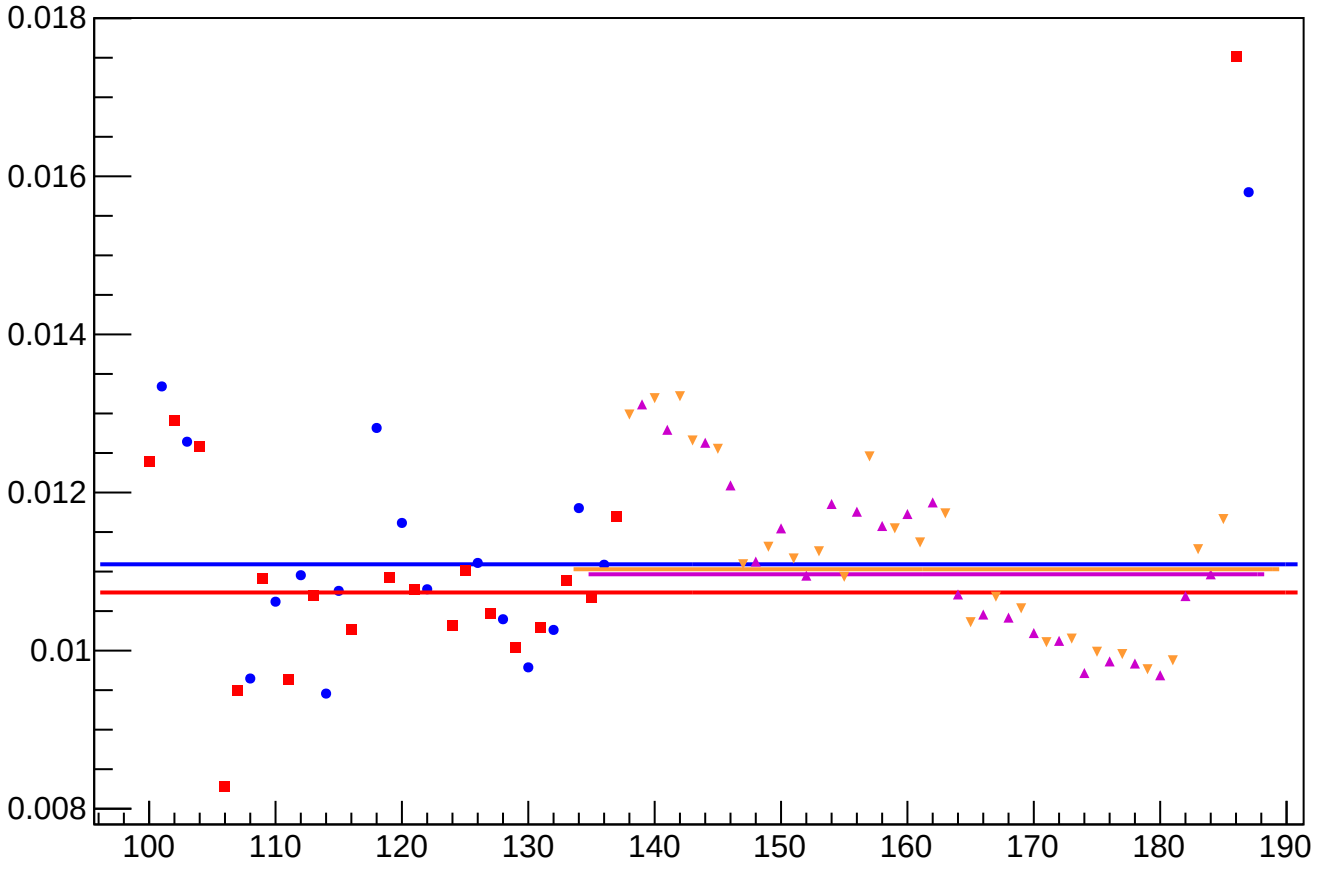
Right: 0.907+/-0.000 χ^2/NDF: 603847346.6/36

In: 0.752+/-0.000 χ^2/NDF:9193851194.3/39

Out: 0.736+/-0.000 χ^2/NDF:12228103634.7/44

All: 0.744+/-0.000 χ^2/NDF: 21446815653.5/8

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 161166.1/16

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 257444.4/19

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

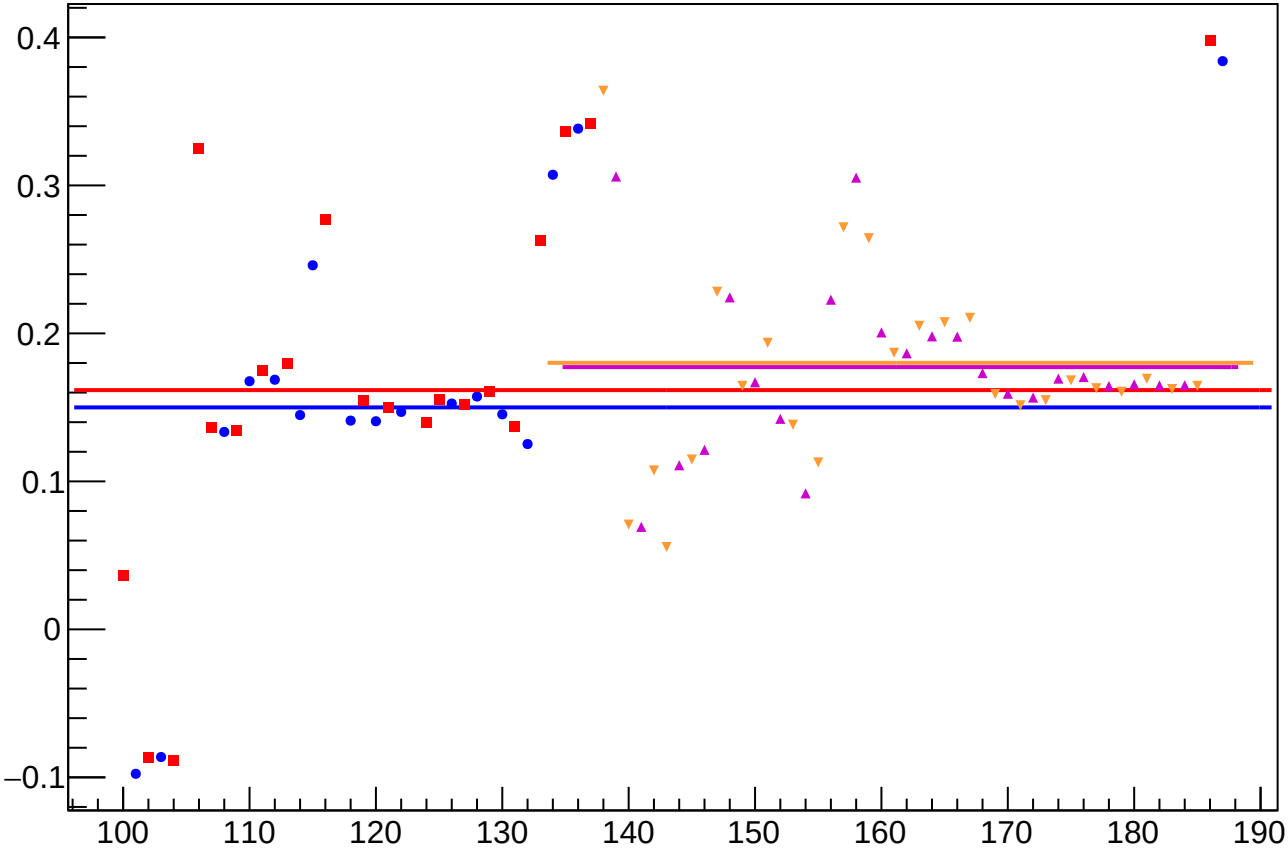
Right: 0.011+/-0.000 χ^2/NDF: 426347.8/36

In: 0.011+/-0.000 χ^2/NDF:450122.6/39

Out: 0.011+/-0.000 χ^2/NDF:564769.9/44

All: 0.011+/-0.000 χ^2/NDF: 1015655.7/84

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.150+/-0.000 χ^2/NDF: 8324938288.2/16

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.162+/-0.000 χ^2/NDF: 8114417710.0/19

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

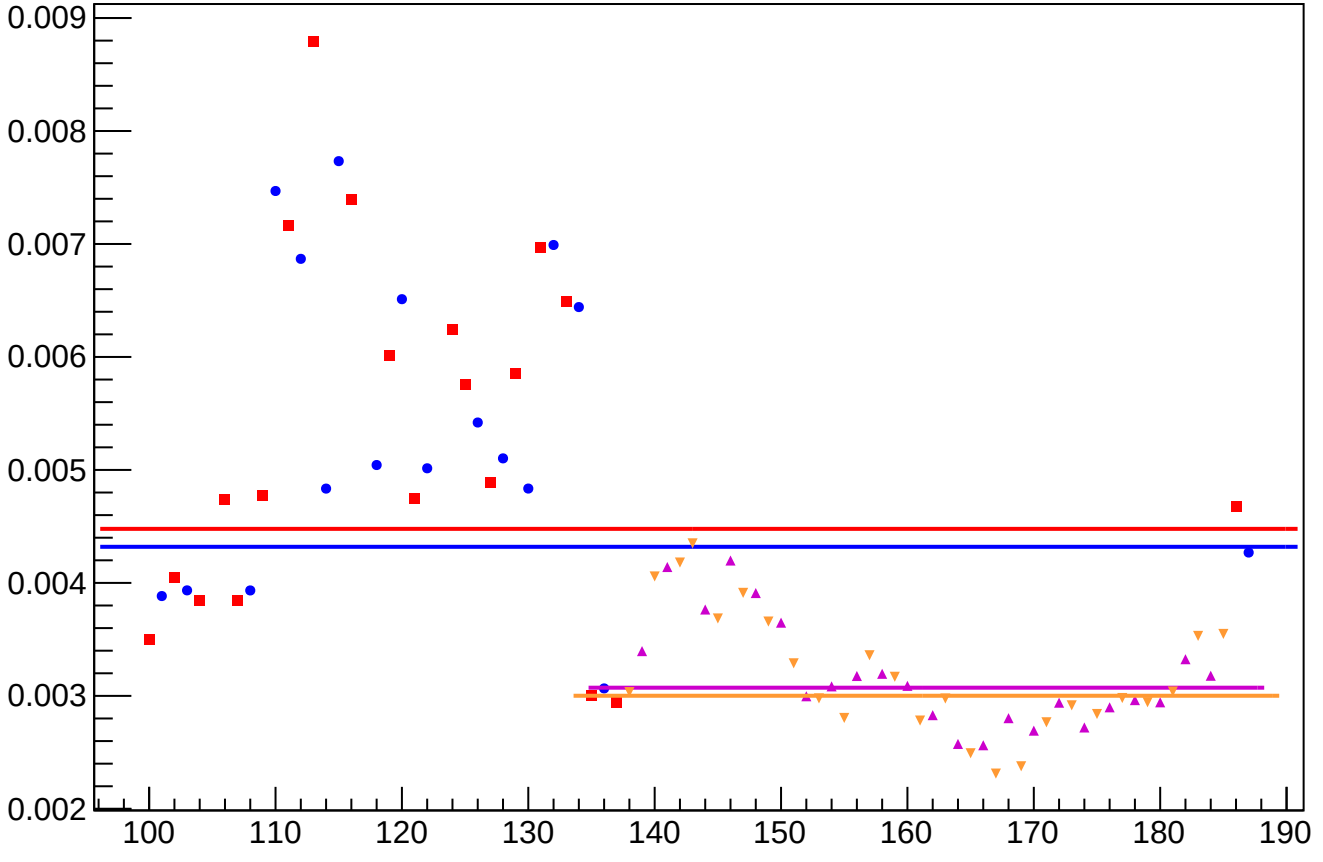
Right: 0.156+/-0.000 χ^2/NDF: 16460788800.7/36

In: 0.173+/-0.000 χ^2/NDF:13143901530.4/39

Out: 0.178+/-0.000 χ^2/NDF:14655424382.8/44

All: 0.175+/-0.000 χ^2/NDF: 27820959647.8/8

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878386.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1087205.8/19

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

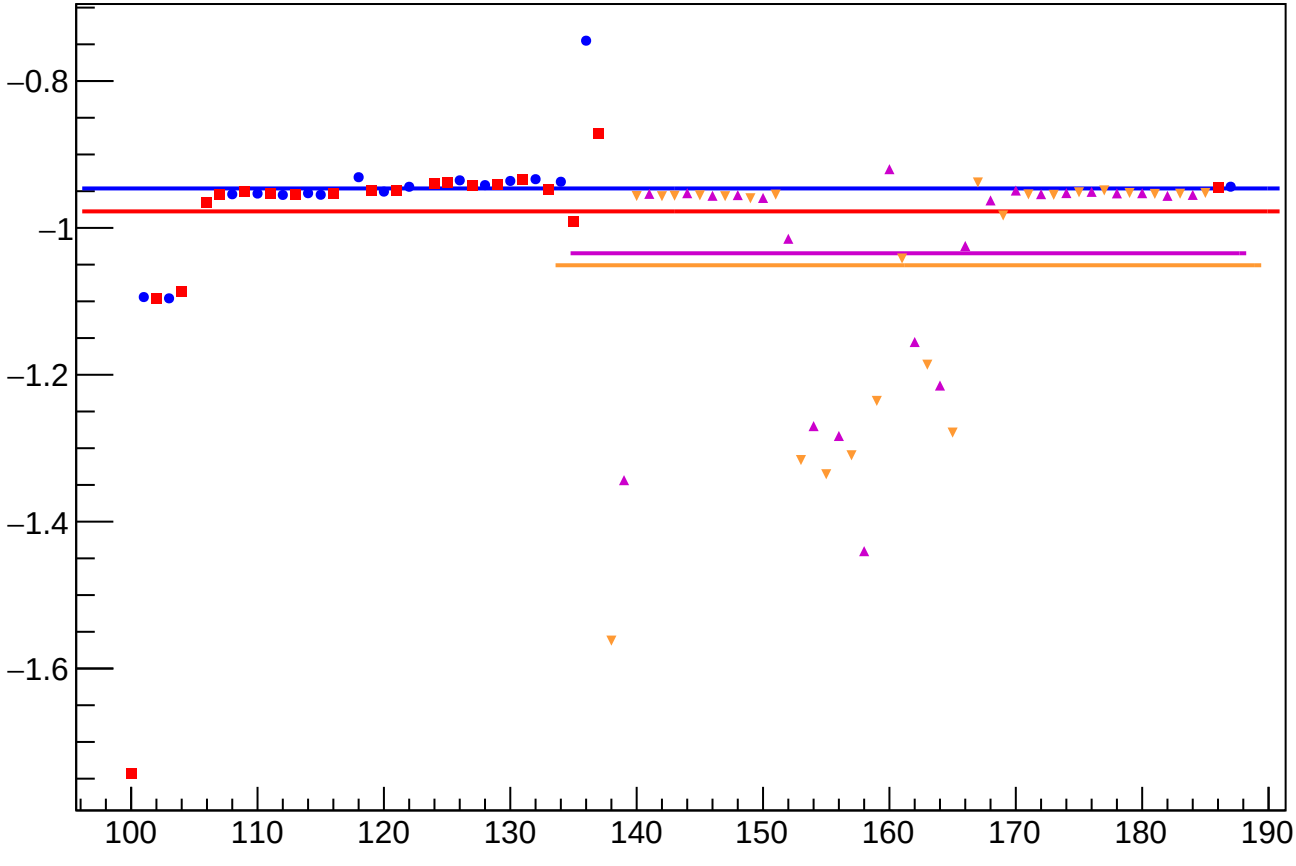
Right: 0.004+/-0.000 χ^2/NDF: 1973529.9/36

In: 0.003+/-0.000 χ^2/NDF:2297516.2/39

Out: 0.003+/-0.000 χ^2/NDF:3157577.2/44

All: 0.003+/-0.000 χ^2/NDF: 5461756.5/84

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404514565.7/16

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.978+/-0.000 χ^2/NDF: 462753480.4/19

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

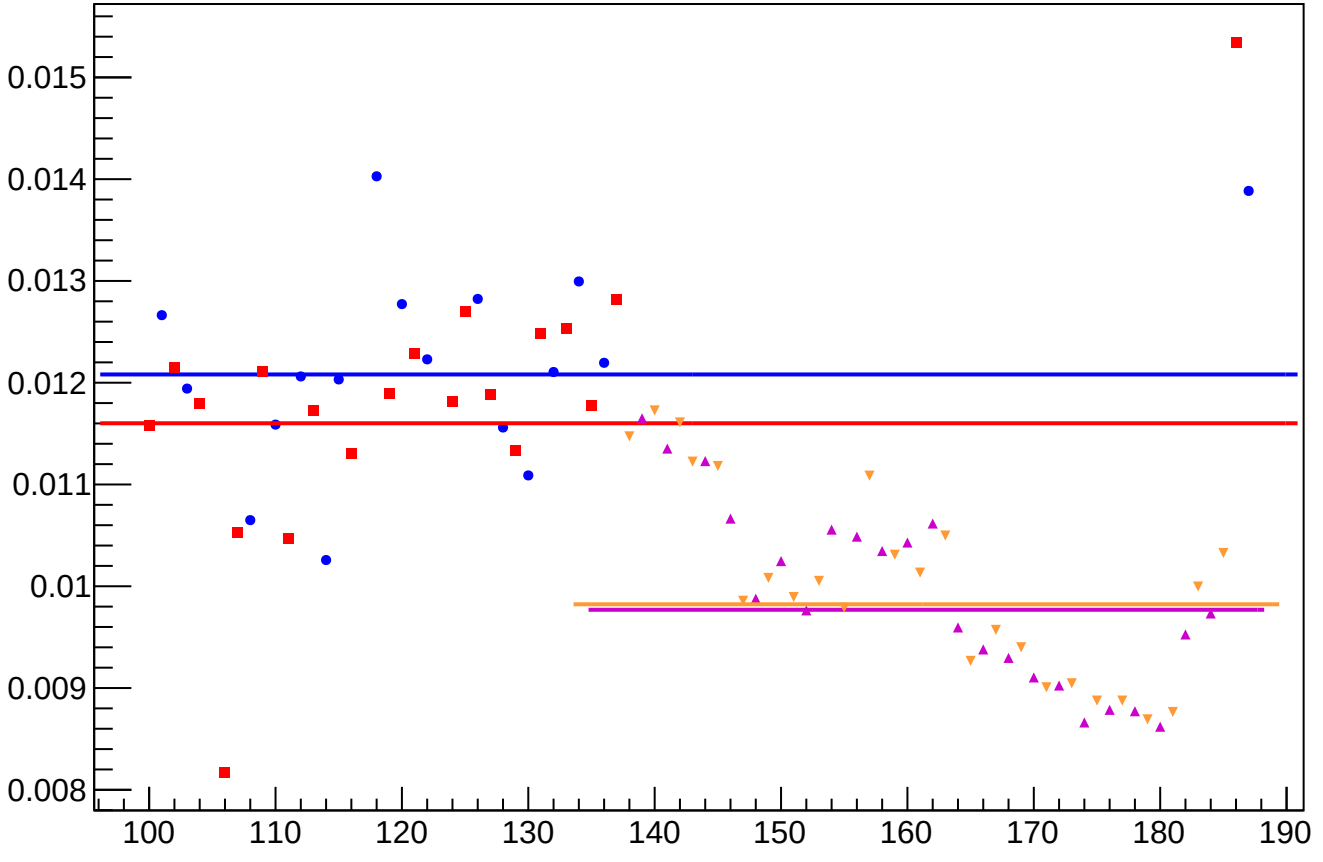
Right: -0.963+/-0.000 χ^2/NDF: 892528596.2/36

In: -1.016+/-0.000 χ^2/NDF:4627998443.9/39

Out: -1.034+/-0.000 χ^2/NDF:5777338799.5/44

All: -1.026+/-0.000 χ^2/NDF: 10444738879.3/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 68393.8/16

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 196777.6/19

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

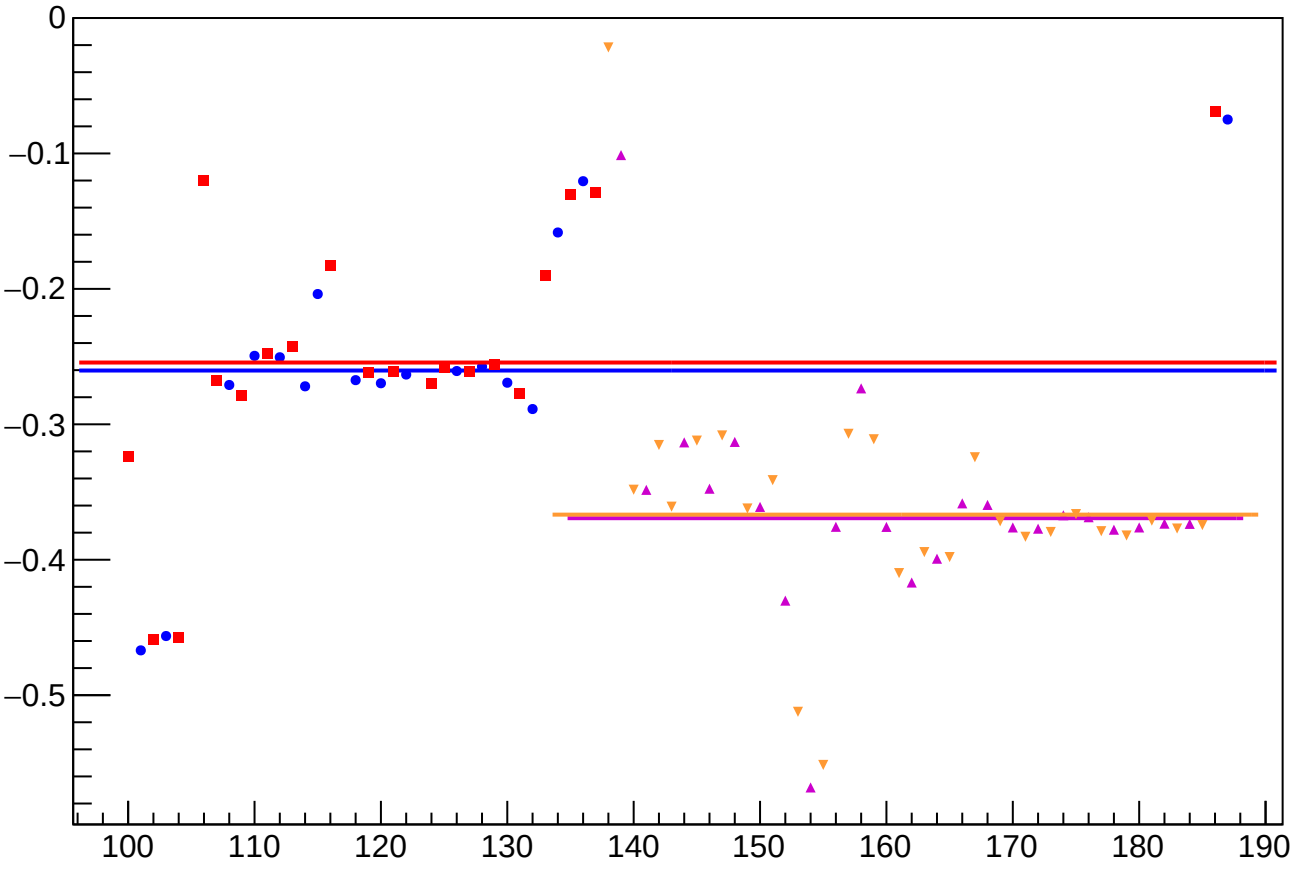
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 277073.4/36

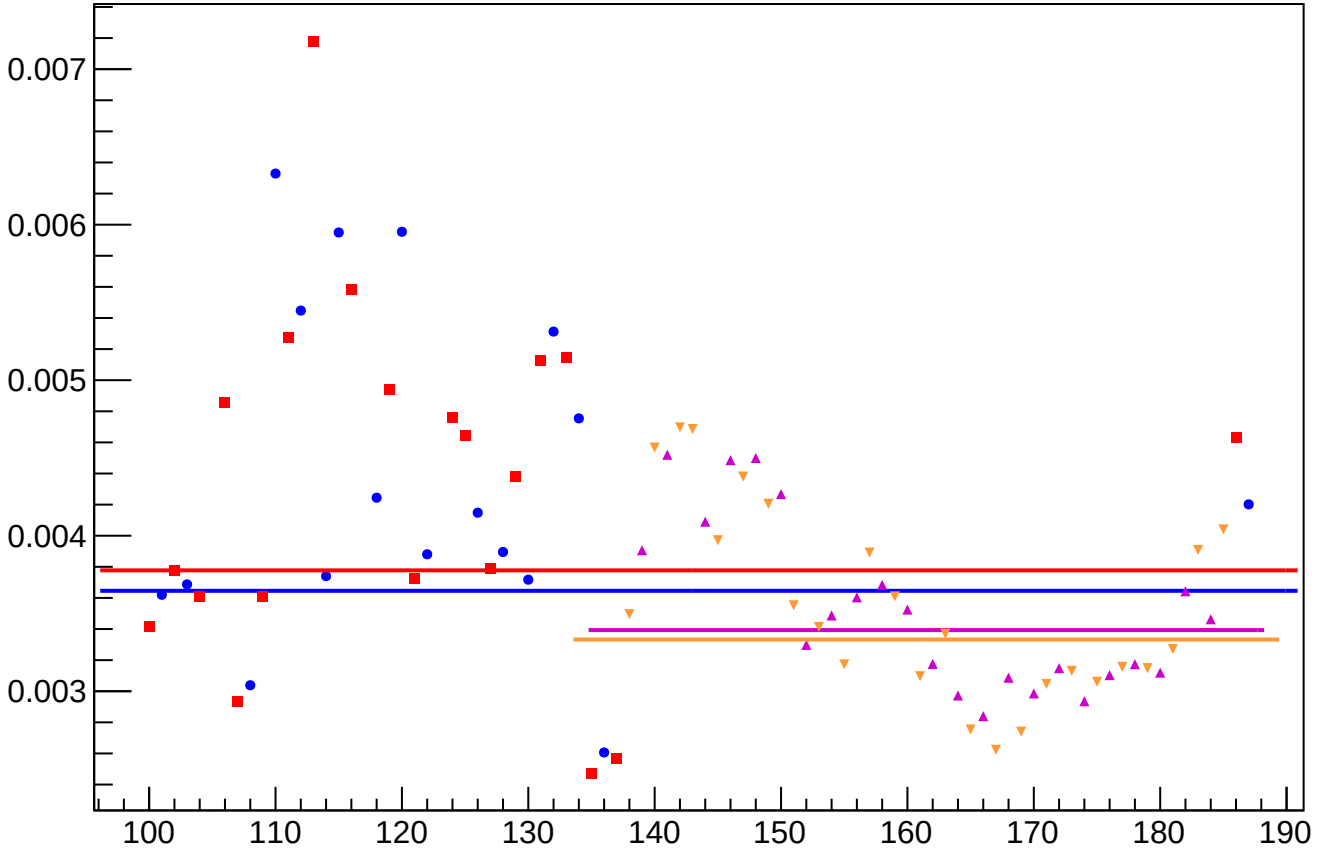
In: 0.010+/-0.000 χ^2/NDF:758779.5/39

Out: 0.010+/-0.000 χ^2/NDF:764049.8/44

All: 0.010+/-0.000 χ^2/NDF: 1522986.8/84


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
170
180
190
Right In: -0.260+/-0.000 χ²/NDF: 6396826063.9/16
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.254+/-0.000 χ²/NDF: 5871269608.9/19
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.257+/-0.000 χ²/NDF: 12275857703.3/36
In: -0.344+/-0.000 χ²/NDF:18019416256.1/39
Out: -0.342+/-0.000 χ²/NDF:22213230862.6/44
All: -0.343+/-0.000 χ²/NDF: 40235424129.4/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 733828.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 920810.2/19

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

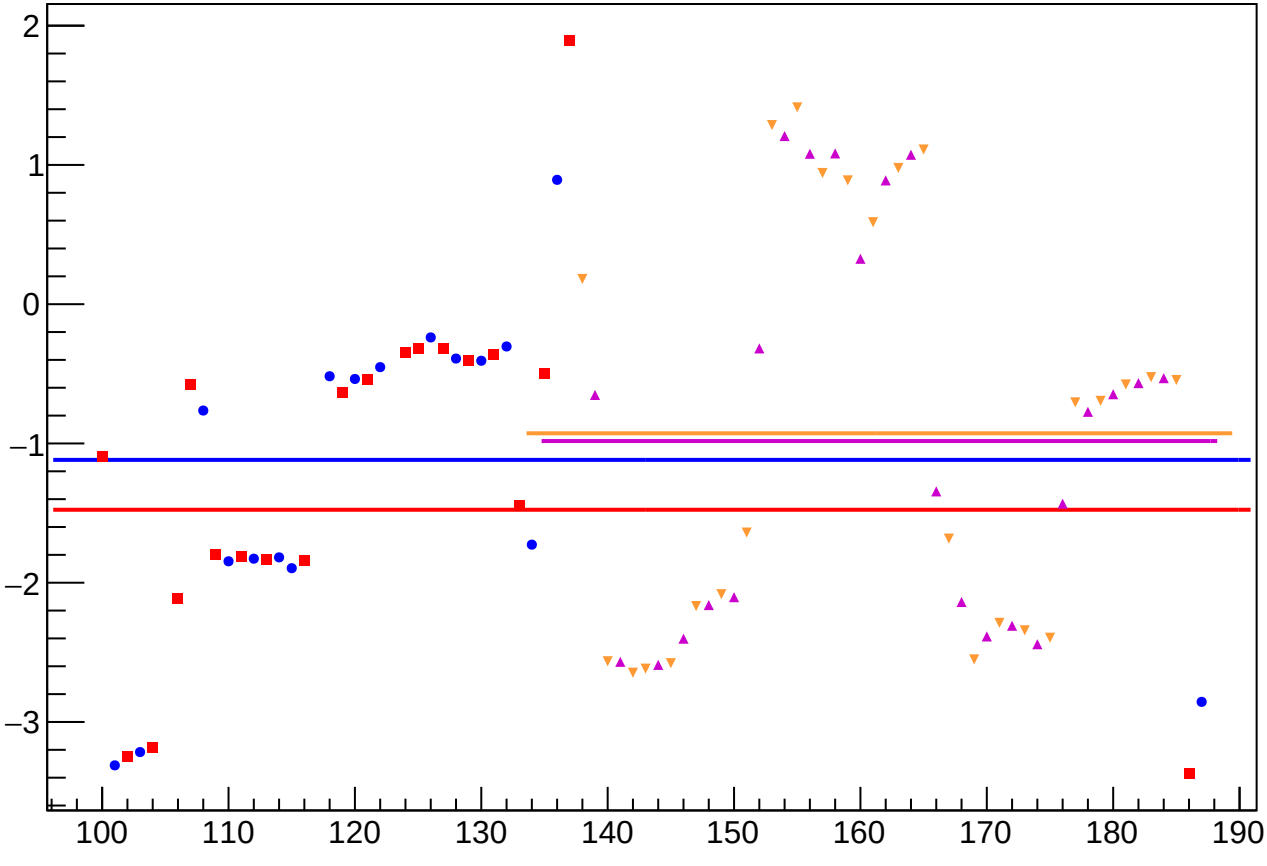
Right: 0.004+/-0.000 χ^2/NDF: 1662342.4/36

In: 0.003+/-0.000 χ^2/NDF:1410768.8/39

Out: 0.003+/-0.000 χ^2/NDF:1916230.5/44

All: 0.003+/-0.000 χ^2/NDF: 3327948.9/84

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.118+/-0.000 χ^2/NDF: 2519904853.0/16

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.476+/-0.000 χ^2/NDF: 2293283919.2/19

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

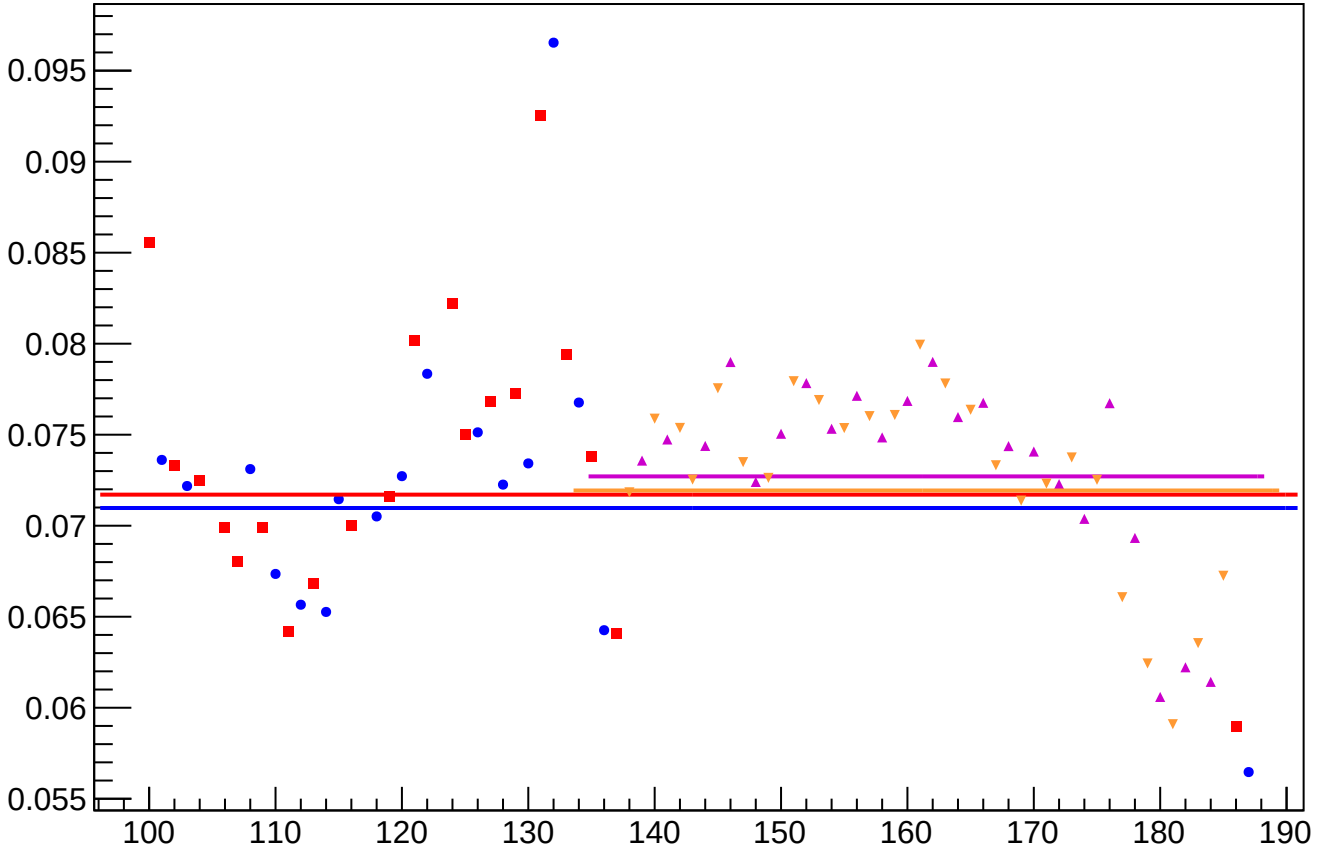
Right: -1.301+/-0.000 χ^2/NDF: 4906483707.8/36

In: -1.023+/-0.000 χ^2/NDF:8457199045.5/39

Out: -1.085+/-0.000 χ^2/NDF:9860779902.7/44

All: -1.055+/-0.000 χ^2/NDF: 18327736861.1/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF: 125338.3/16

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.072+/-0.000 χ^2/NDF: 137104.0/19

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

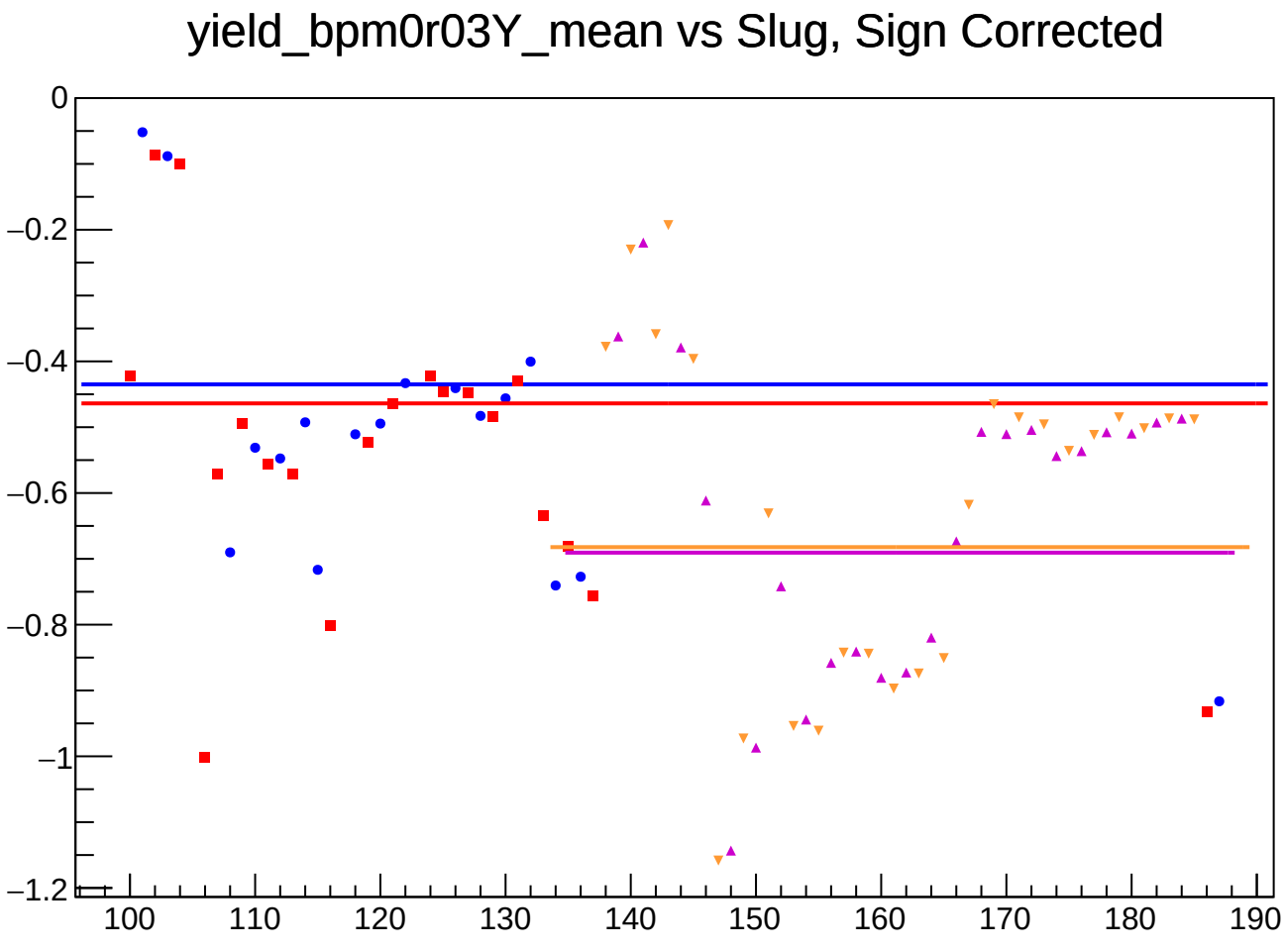
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.071+/-0.000 χ^2/NDF: 263226.0/36

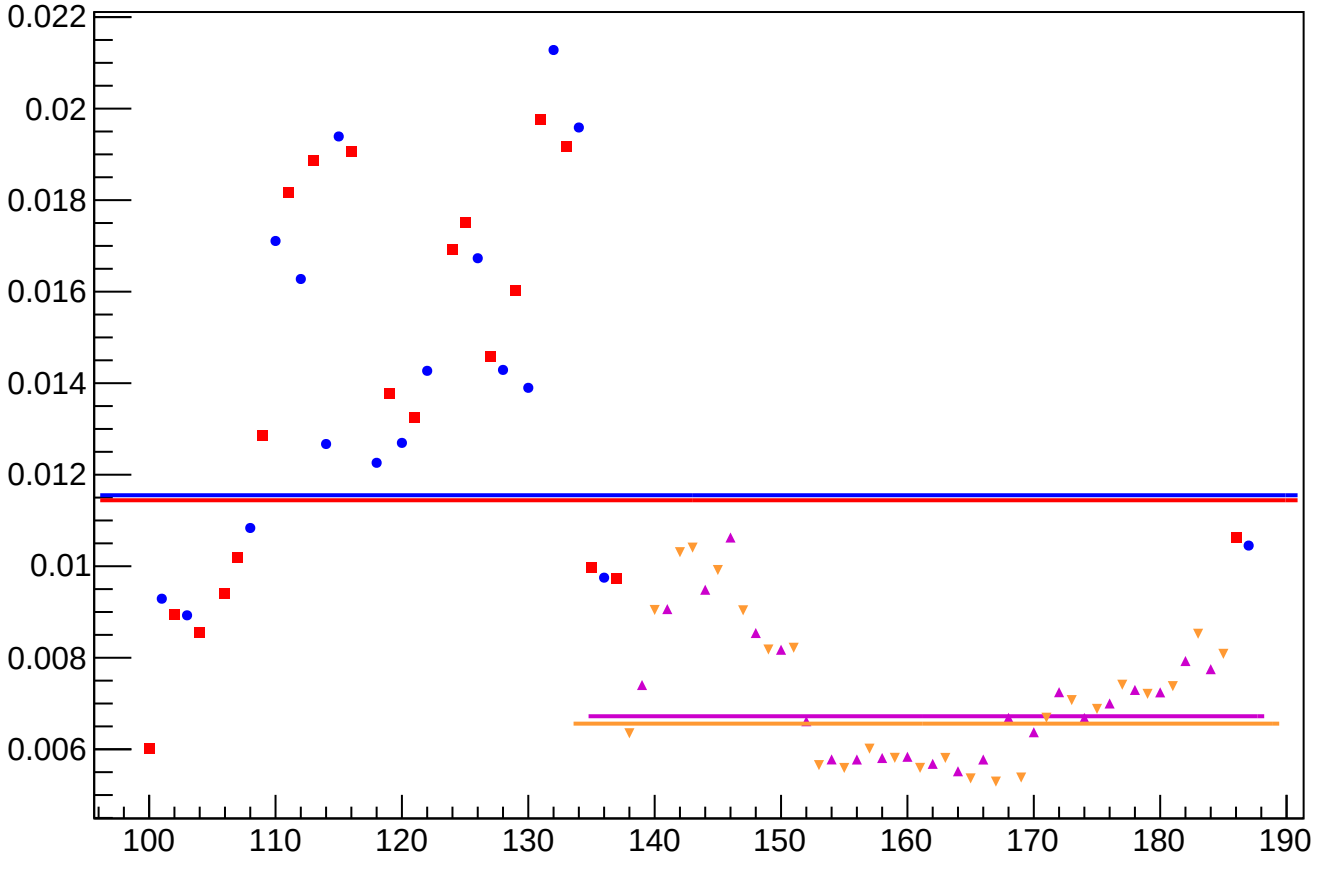
In: 0.072+/-0.000 χ^2/NDF:328392.4/39

Out: 0.072+/-0.000 χ^2/NDF:372747.9/44

All: 0.072+/-0.000 χ^2/NDF: 701670.7/84


yield_bpm0r03Y_mean vs Slug, Sign Corrected
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.435+/-0.000 χ²/NDF: 3434483288.9/16
Left Out: -0.682+/-0.000 χ²/NDF:21823342960.4/24
Right Out: -0.464+/-0.000 χ²/NDF: 3941879031.1/19
Left In: -0.691+/-0.000 χ²/NDF:16867819938.3/22
Left: -0.686+/-0.000 χ²/NDF: 38704767627.1/47
Right: -0.450+/-0.000 χ²/NDF: 7396061324.1/36
In: -0.662+/-0.000 χ²/NDF:22970382051.4/39
Out: -0.659+/-0.000 χ²/NDF:27836744621.9/44
All: -0.661+/-0.000 χ²/NDF: 50809585579.6/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 790041.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.011+/-0.000 χ^2/NDF: 1169180.0/19

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

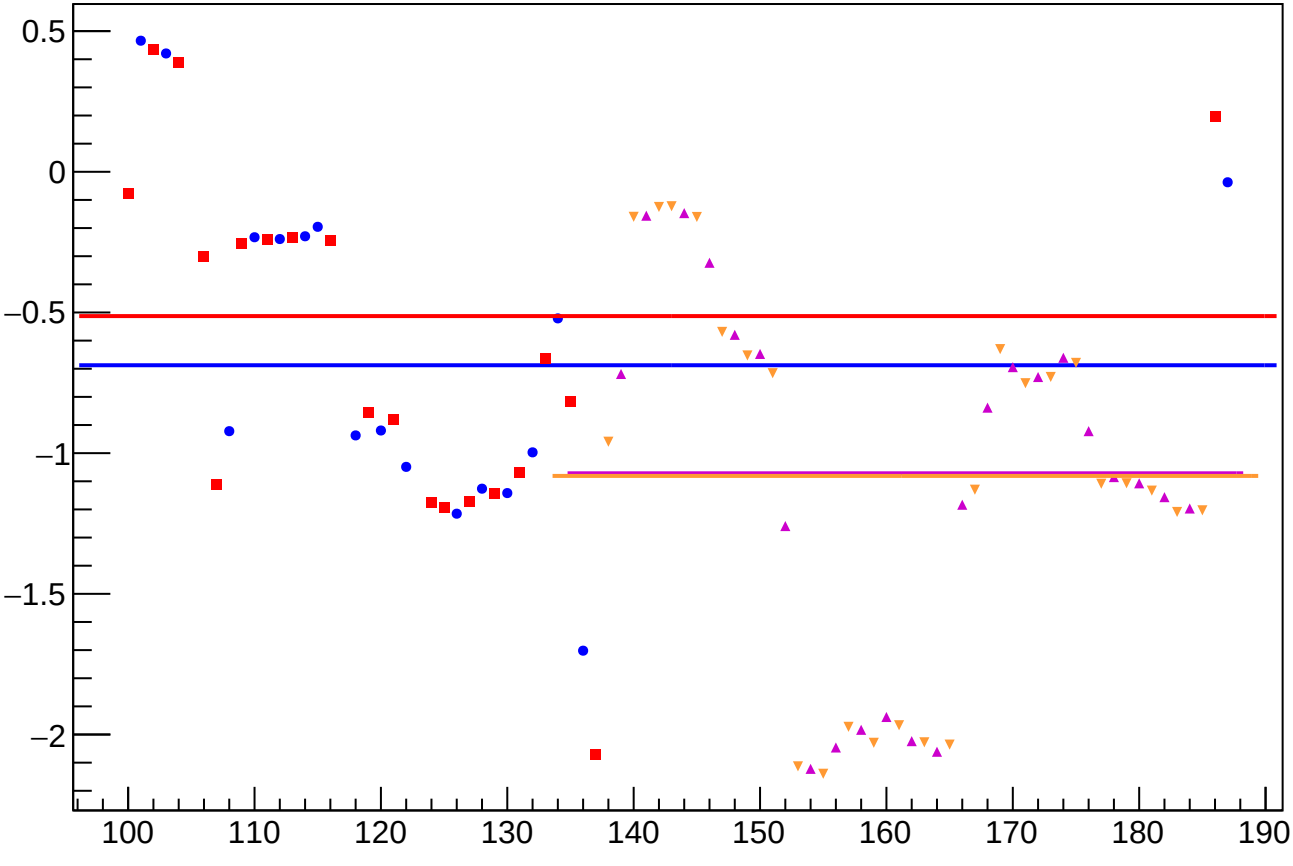
Right: 0.011+/-0.000 χ^2/NDF: 1959789.4/36

In: 0.007+/-0.000 χ^2/NDF:3655032.7/39

Out: 0.007+/-0.000 χ^2/NDF:4643271.3/44

All: 0.007+/-0.000 χ^2/NDF: 8311754.5/84

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.688+/-0.000 χ^2/NDF: 456555306.4/16

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.513+/-0.000 χ^2/NDF: 394214175.6/19

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

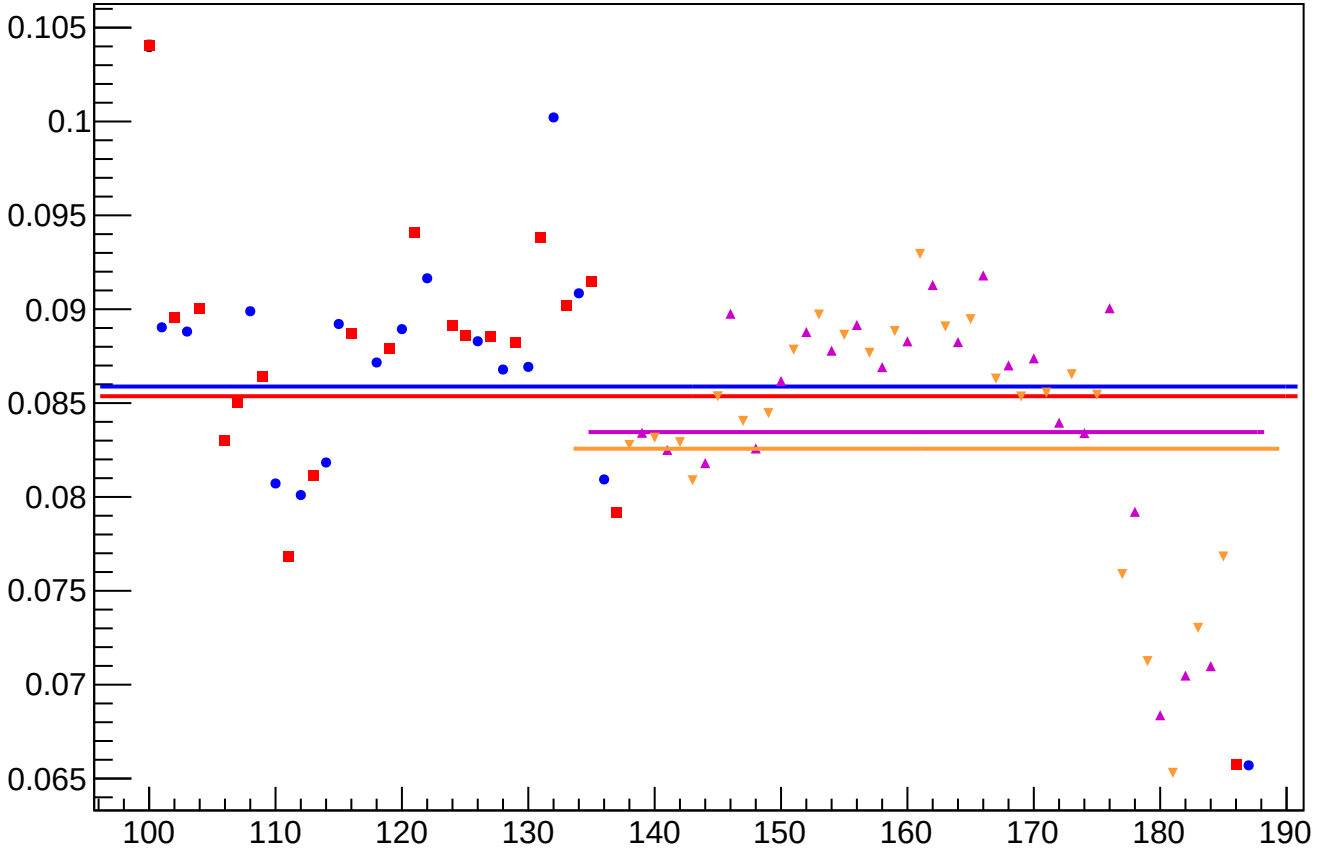
Right: -0.597+/-0.000 χ^2/NDF: 866519940.5/36

In: -0.965+/-0.000 χ^2/NDF:1538309922.8/39

Out: -0.924+/-0.000 χ^2/NDF:1796754290.4/44

All: -0.944+/-0.000 χ^2/NDF: 3338267124.9/8

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 80417.1/16

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.085+/-0.000 χ^2/NDF: 126030.4/19

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

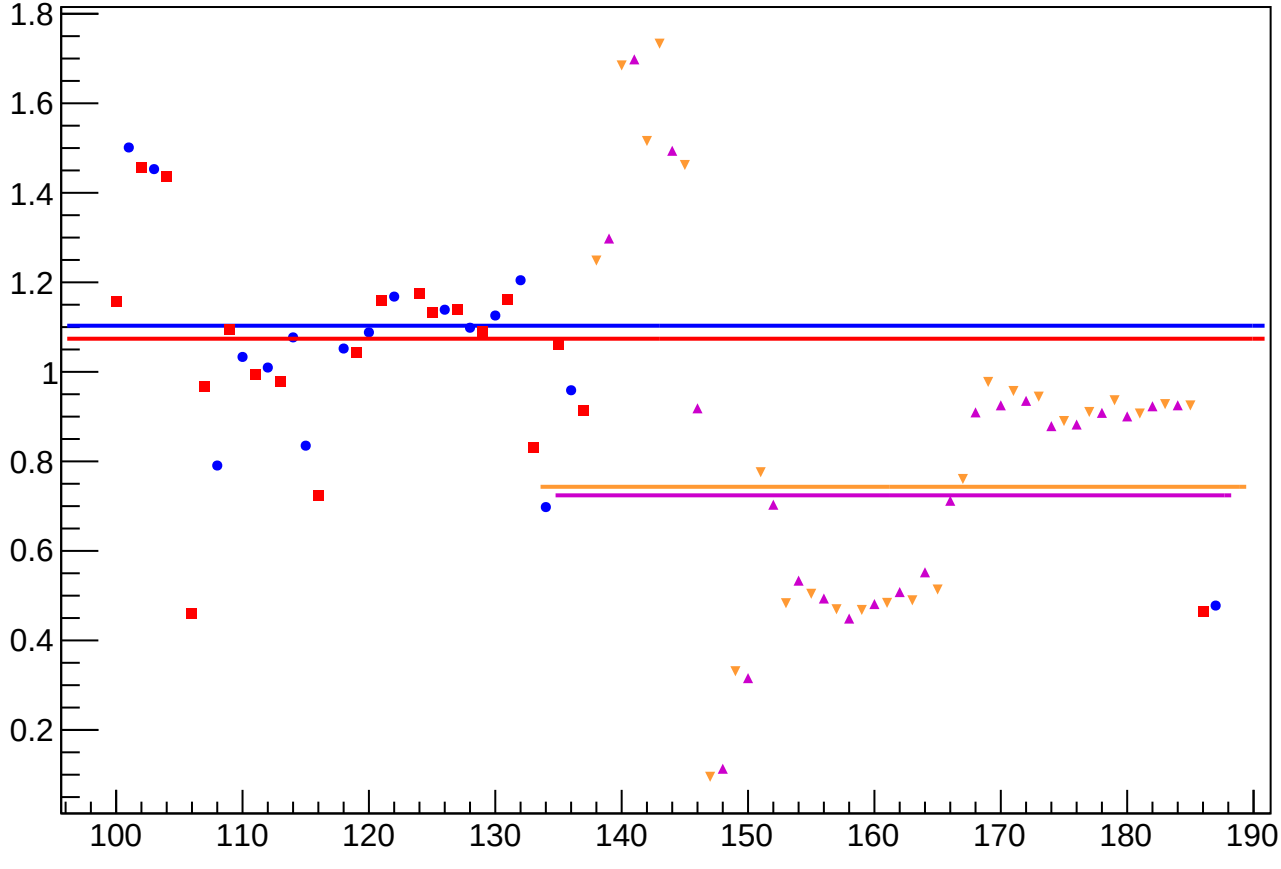
Right: 0.086+/-0.000 χ^2/NDF: 206722.3/36

In: 0.084+/-0.000 χ^2/NDF:327296.6/39

Out: 0.083+/-0.000 χ^2/NDF:429299.5/44

All: 0.084+/-0.000 χ^2/NDF: 758896.8/84

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.103+/-0.000 χ^2/NDF: 1807714005.2/16

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.074+/-0.000 χ^2/NDF: 2335941458.5/19

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

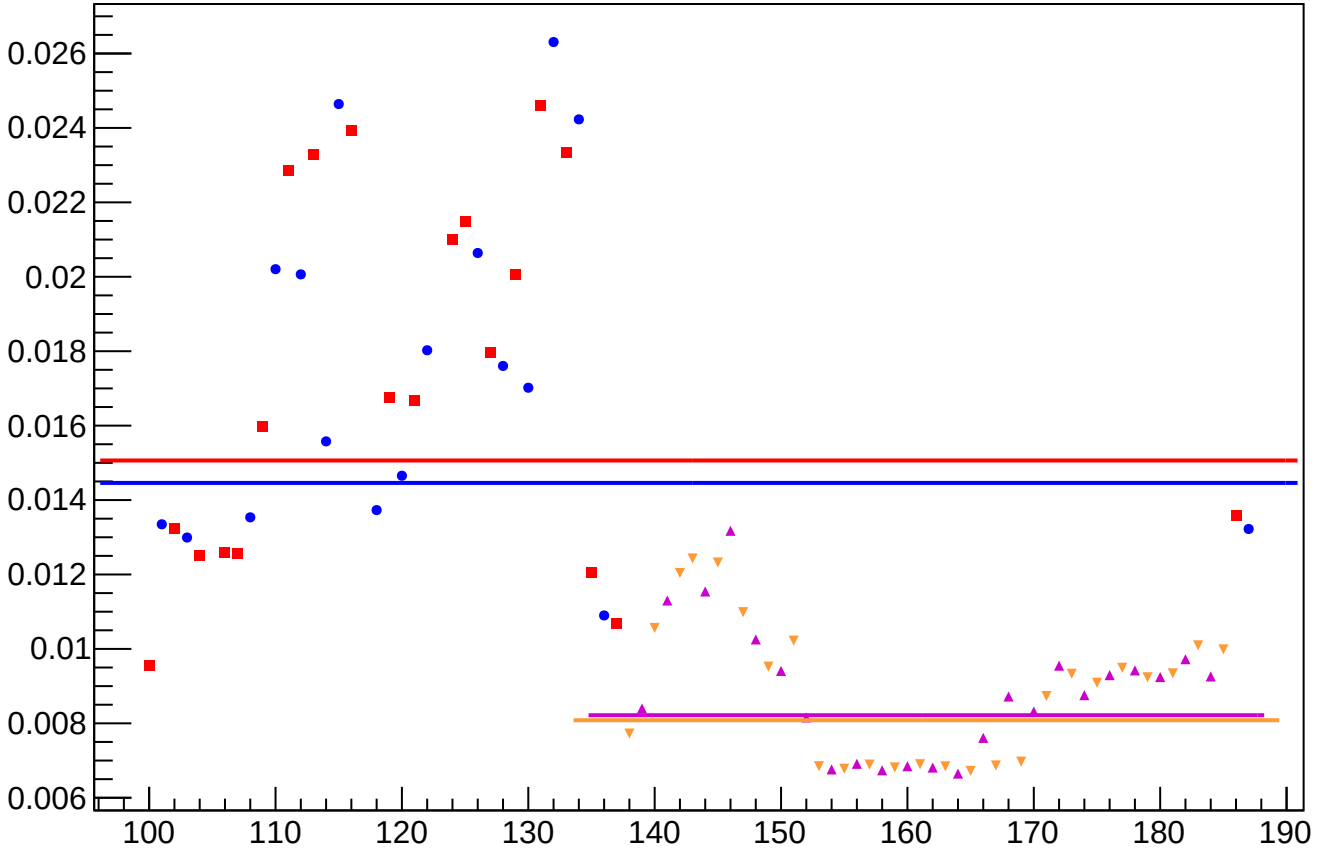
Right: 1.089+/-0.000 χ^2/NDF: 4155852321.0/36

In: 0.764+/-0.000 χ^2/NDF:31222013660.1/39

Out: 0.775+/-0.000 χ^2/NDF:37747412720.1/44

All: 0.770+/-0.000 χ^2/NDF: 68985470094.2/8

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 713115.5/16

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 873555.4/19

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

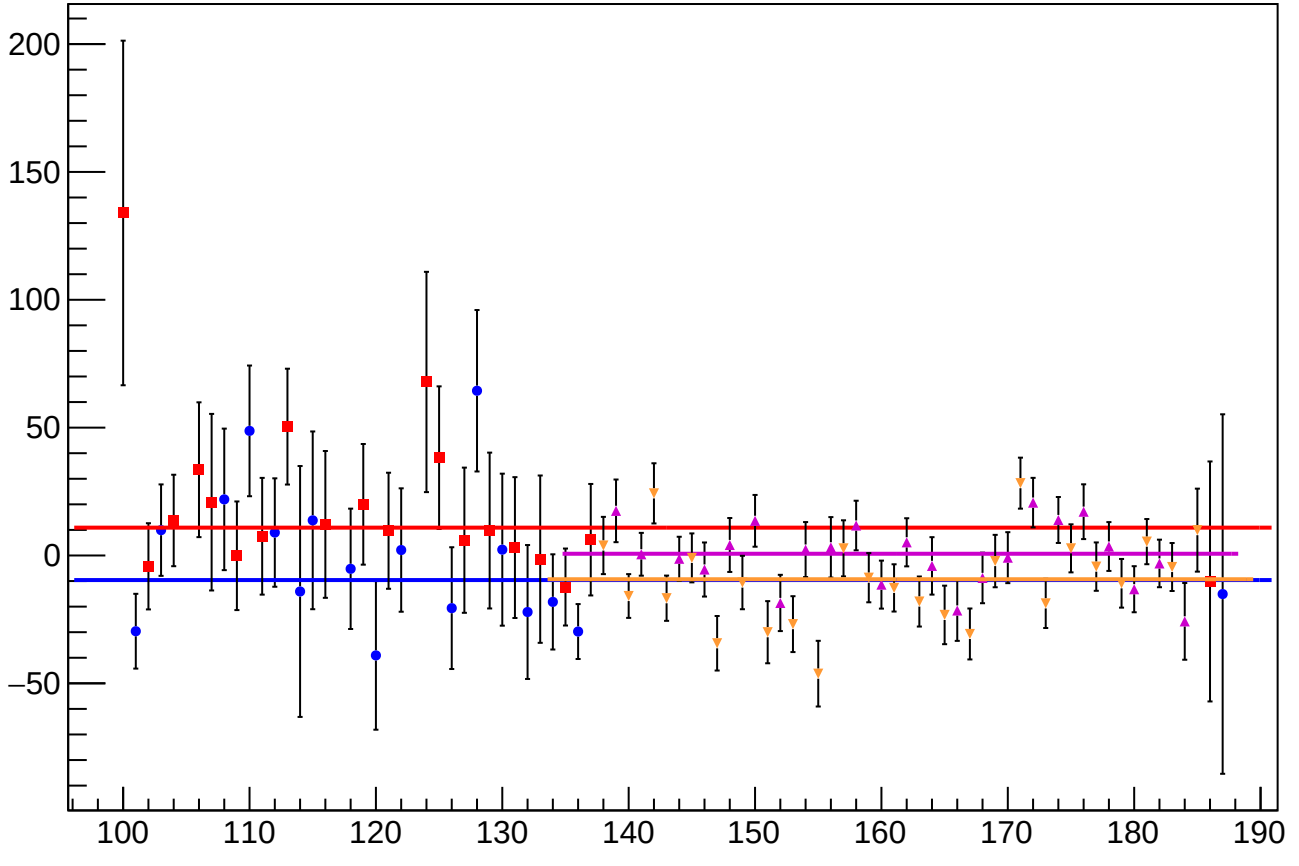
Right: 0.015+/-0.000 χ^2/NDF: 1597180.4/36

In: 0.009+/-0.000 χ^2/NDF:3881783.5/39

Out: 0.009+/-0.000 χ^2/NDF:4799320.8/44

All: 0.009+/-0.000 χ^2/NDF: 8685890.0/84

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.612+/-5.276 χ^2/NDF: 21.9/16

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 10.889+/-5.460 χ^2/NDF: 14.1/19

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

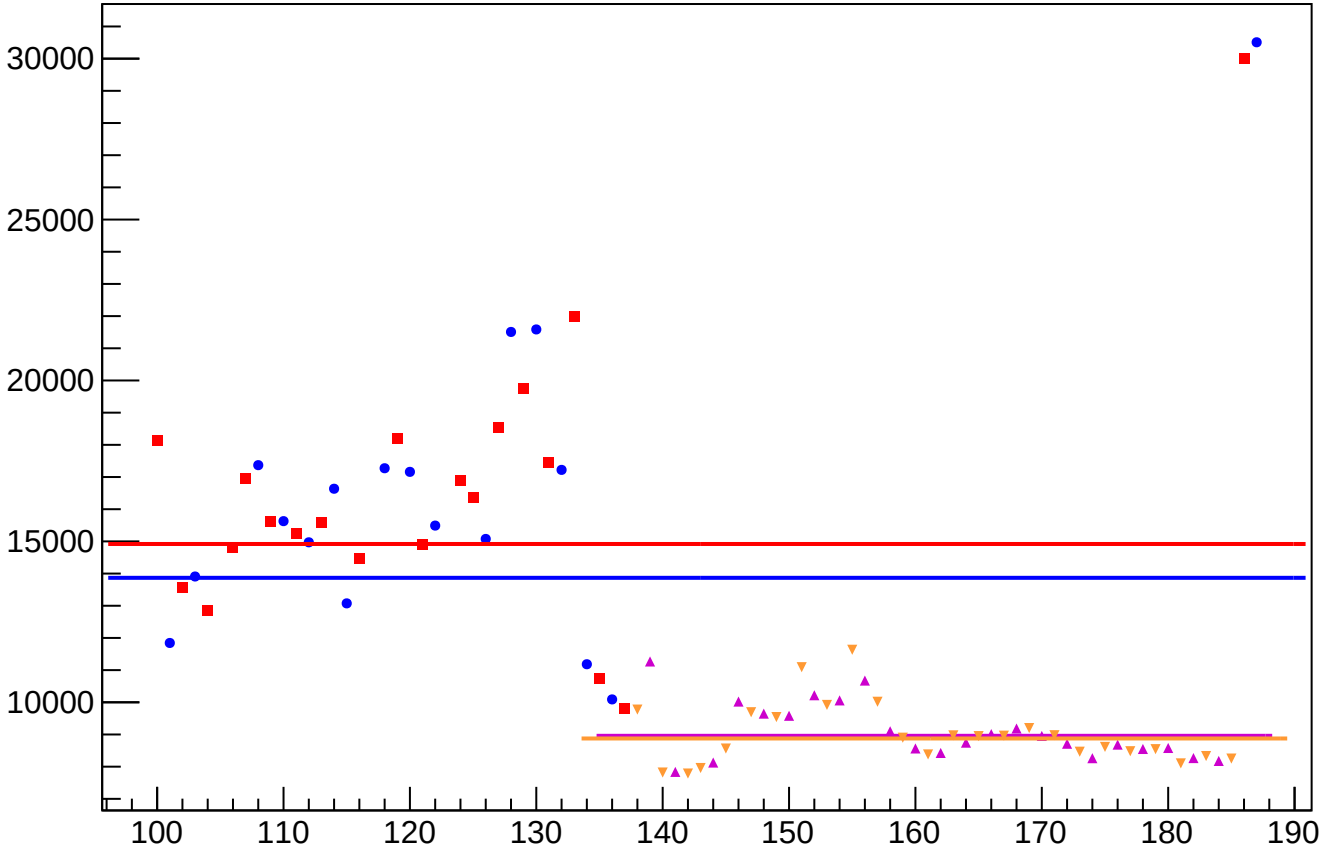
Right: 0.287+/-3.794 χ^2/NDF: 43.3/36

In: -0.736+/-1.954 χ^2/NDF:54.6/39

Out: -6.839+/-1.903 χ^2/NDF:87.2/44

All: -3.869+/-1.364 χ^2/NDF: 146.8/84

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13868.139+/-3.731 χ^2/NDF: 860288.6/16

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 14919.301+/-3.861 χ^2/NDF: 767025.2/19

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

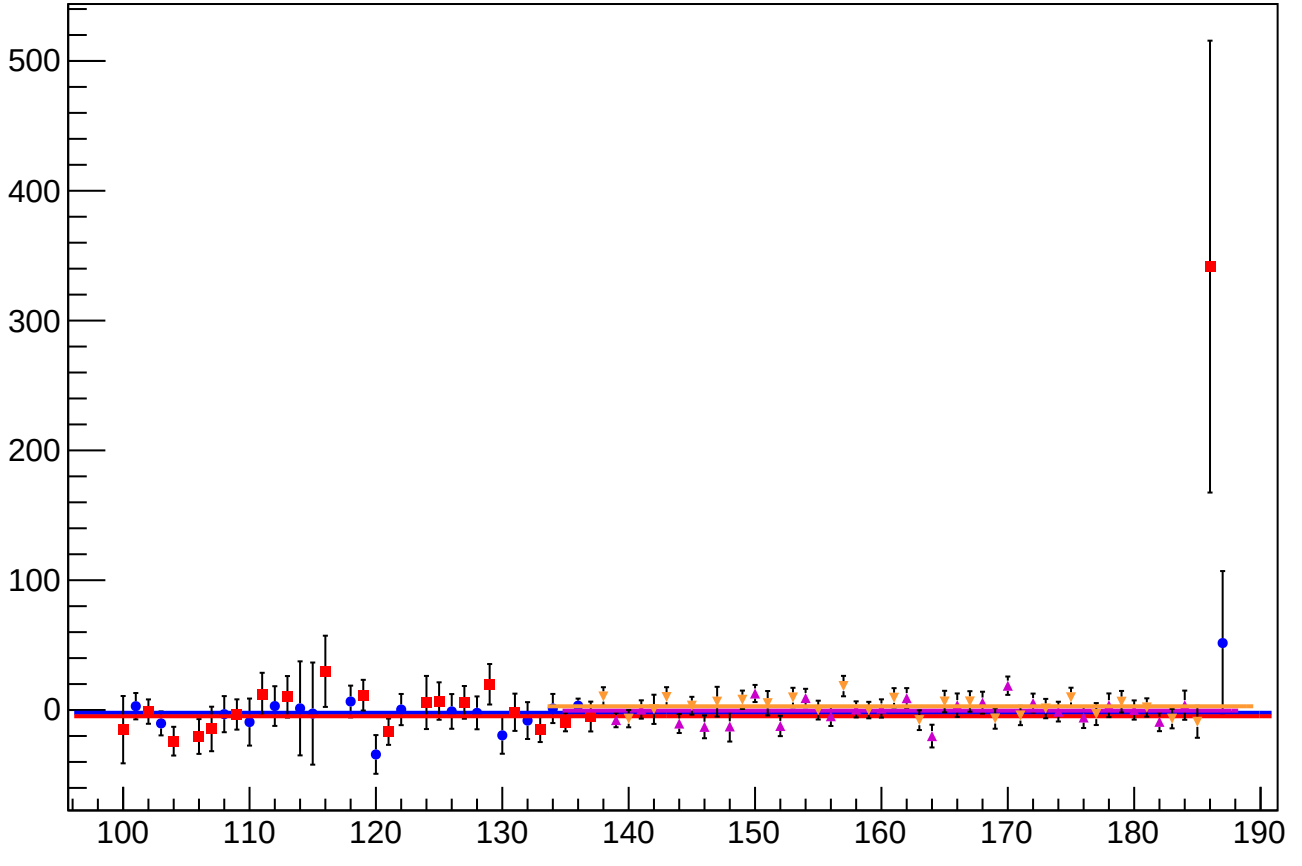
Right: 14375.703+/-2.683 χ^2/NDF: 1665650.8/36

In: 9632.449+/-1.382 χ^2/NDF:2656247.2/39

Out: 9610.004+/-1.346 χ^2/NDF:3266817.1/44

All: 9620.928+/-0.964 χ^2/NDF: 5923199.7/84

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.118+/-2.918 χ^2/NDF: 10.2/16

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -4.812+/-2.836 χ^2/NDF: 21.5/19

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

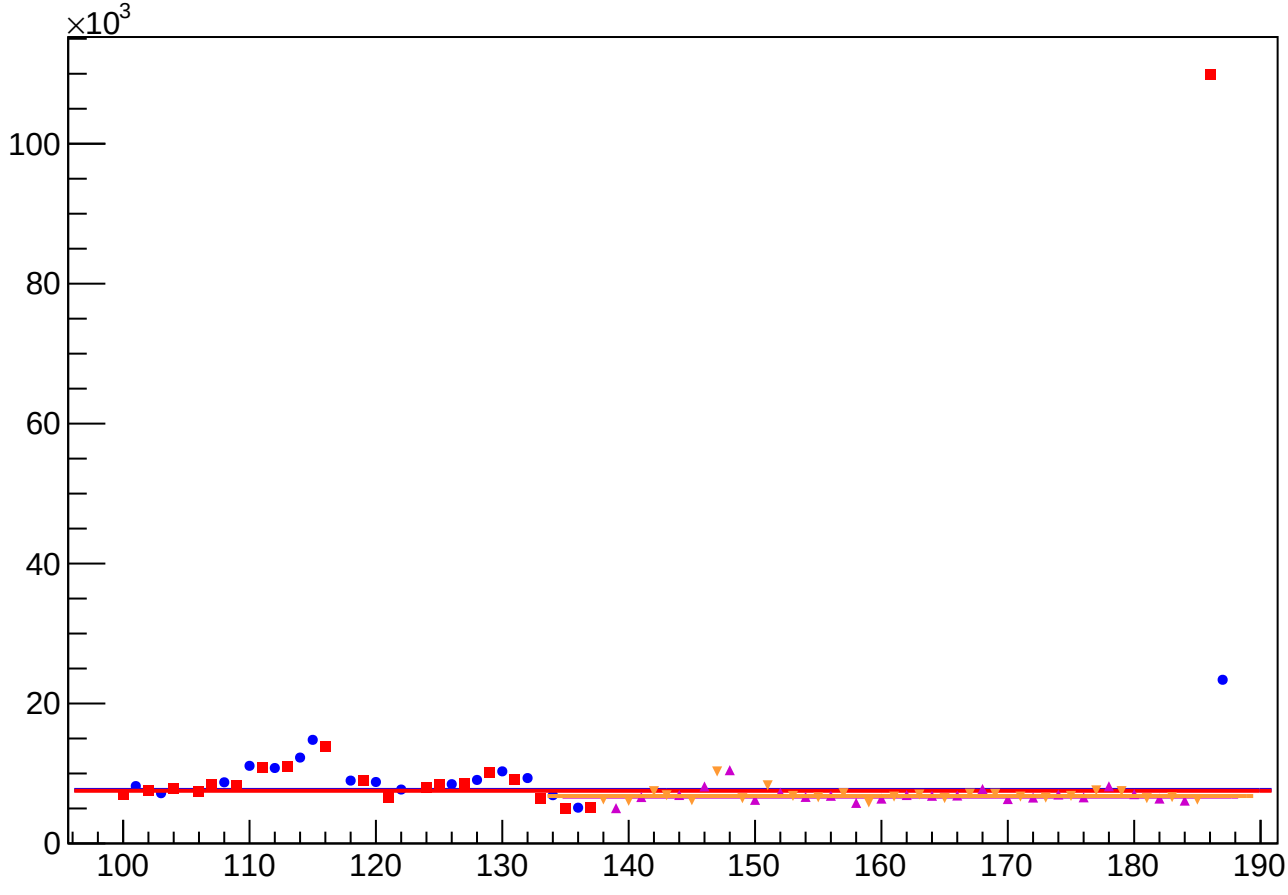
Right: -3.504+/-2.034 χ^2/NDF: 32.2/36

In: -0.833+/-1.390 χ^2/NDF:43.3/39

Out: 1.103+/-1.363 χ^2/NDF:46.7/44

All: 0.154+/-0.973 χ^2/NDF: 90.9/84

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7649.432+/-2.063 χ^2/NDF: 1053197.9/16

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 7528.694+/-2.005 χ^2/NDF: 1515327.6/19

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

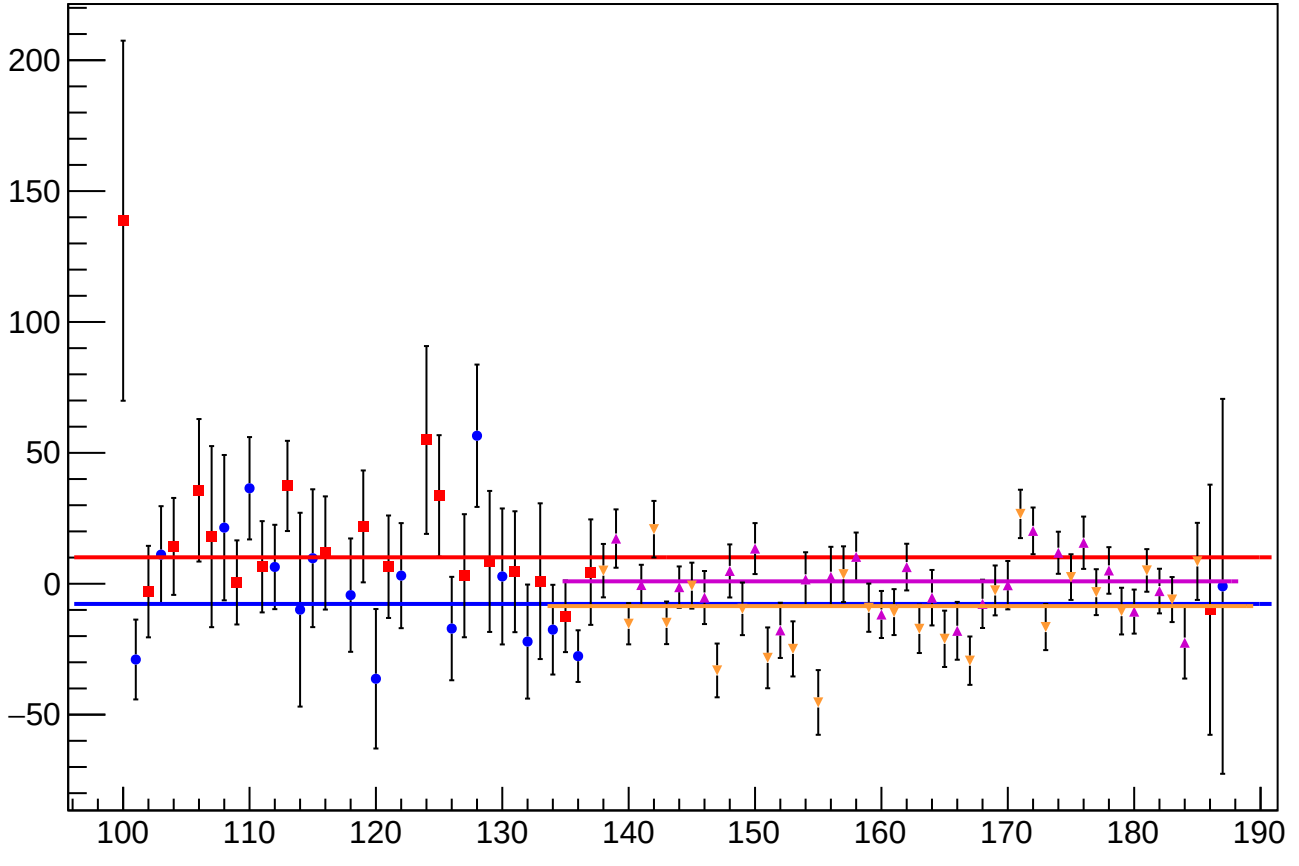
Right: 7587.333+/-1.438 χ^2/NDF: 2570286.6/36

In: 6907.479+/-0.983 χ^2/NDF:1840759.3/39

Out: 6950.380+/-0.964 χ^2/NDF:2023665.1/44

All: 6929.362+/-0.688 χ^2/NDF: 3865395.6/84

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.711+/-4.738 χ^2/NDF: 22.7/16

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 10.102+/-4.815 χ^2/NDF: 14.1/19

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

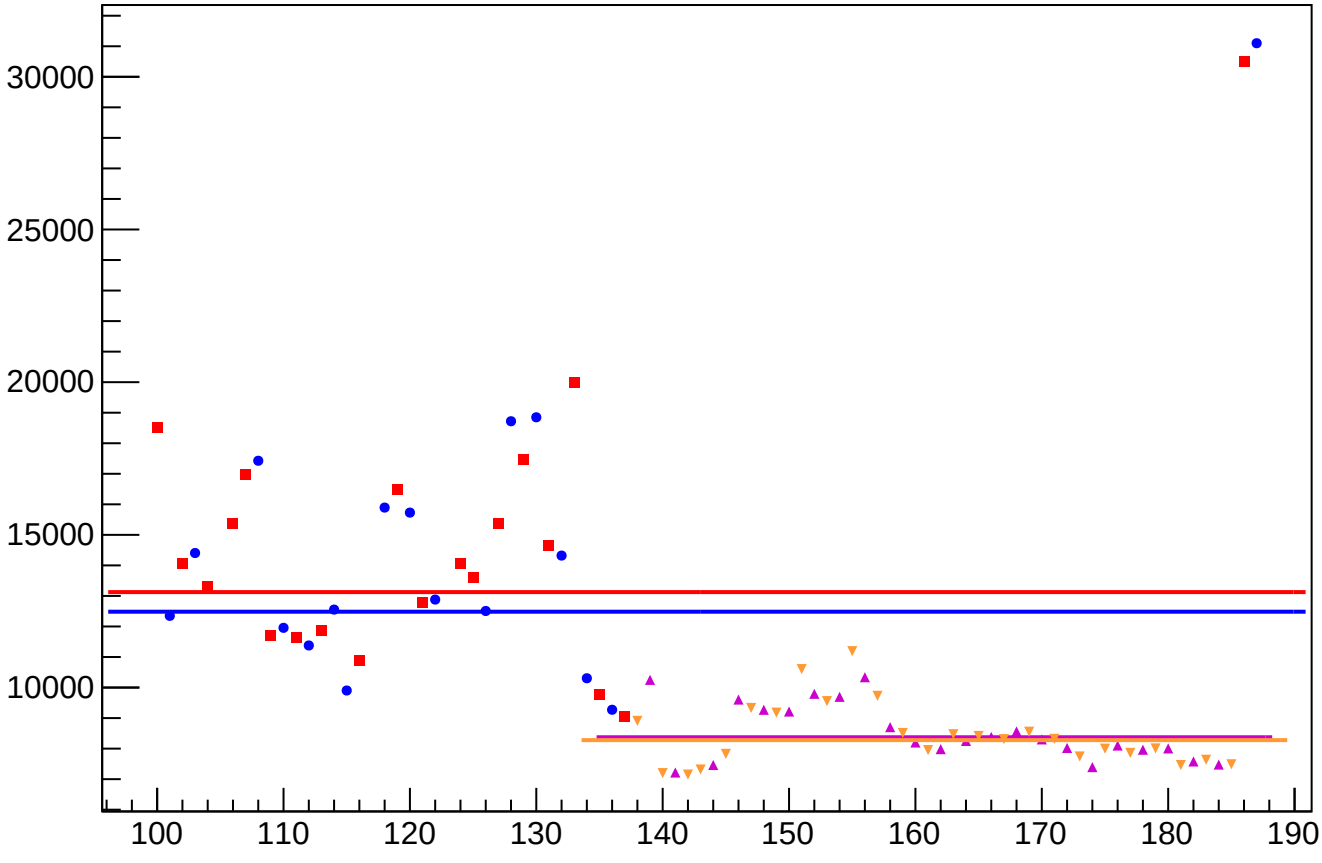
Right: 1.051+/-3.377 χ^2/NDF: 43.7/36

In: -0.352+/-1.818 χ^2/NDF:54.6/39

Out: -6.033+/-1.765 χ^2/NDF:89.0/44

All: -3.277+/-1.266 χ^2/NDF: 148.6/84

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12483.609+/-3.350 χ^2/NDF: 814061.1/16

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 13125.634+/-3.405 χ^2/NDF: 822767.6/19

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

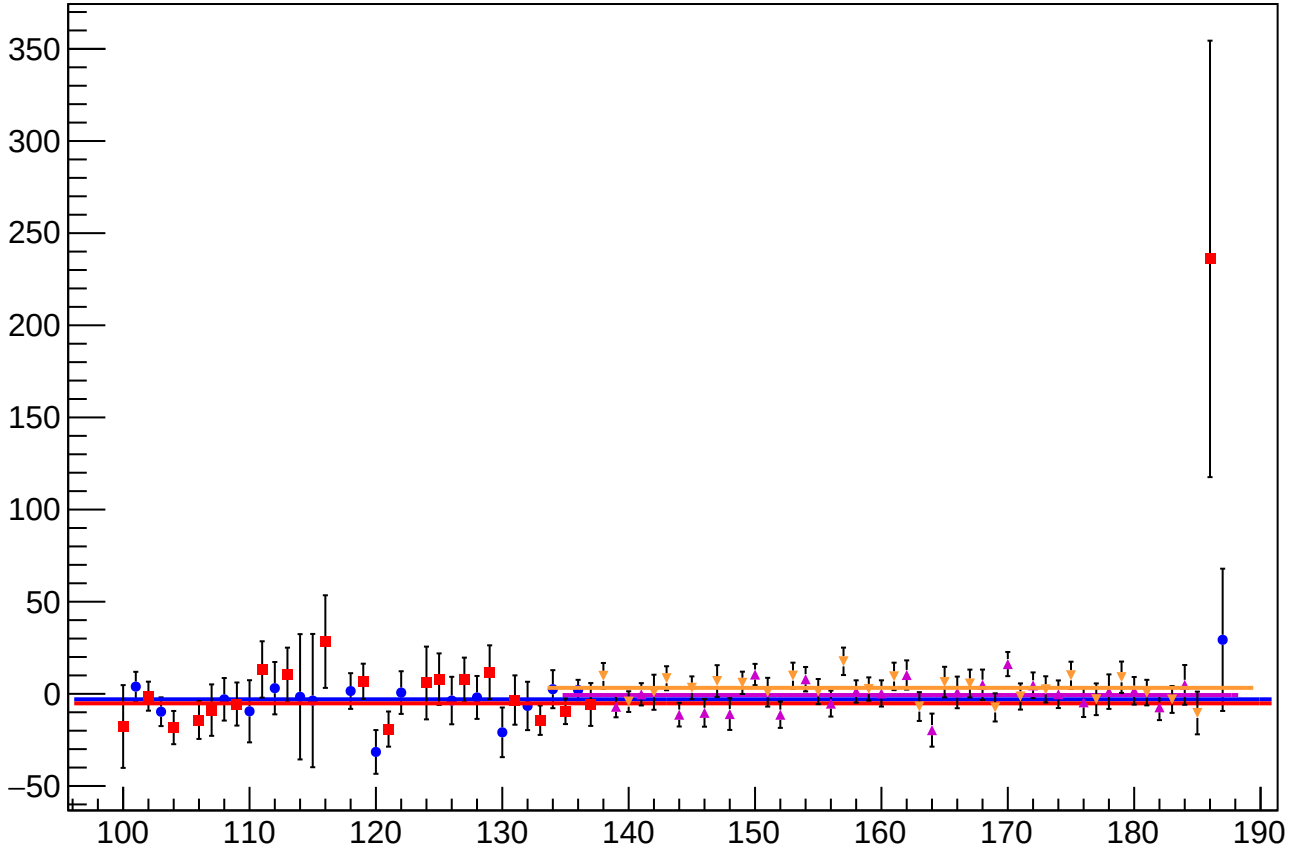
Right: 12799.426+/-2.388 χ^2/NDF: 1654895.0/36

In: 8977.828+/-1.286 χ^2/NDF:2491161.4/39

Out: 8928.917+/-1.248 χ^2/NDF:3032901.6/44

All: 8952.643+/-0.895 χ^2/NDF: 5524808.3/84

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -2.970+/-2.649 χ^2/NDF: 11.6/16

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -5.153+/-2.552 χ^2/NDF: 21.1/19

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

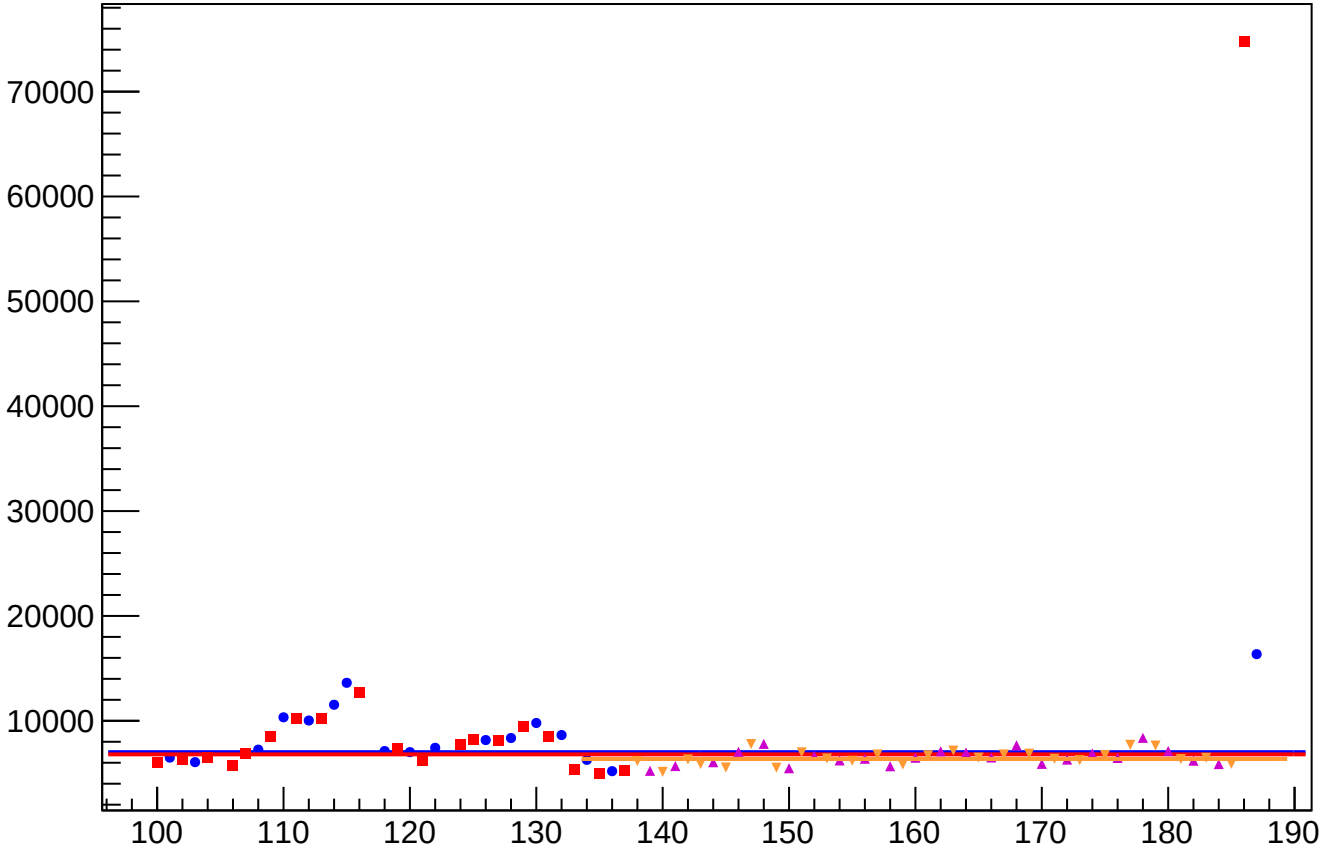
Right: -4.102+/-1.838 χ^2/NDF: 33.0/36

In: -1.209+/-1.305 χ^2/NDF:42.9/39

Out: 1.188+/-1.265 χ^2/NDF:46.9/44

All: 0.026+/-0.908 χ^2/NDF: 91.5/84

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7005.865+/-1.873 χ^2/NDF: 814309.4/16

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6800.586+/-1.805 χ^2/NDF: 1457358.4/19

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

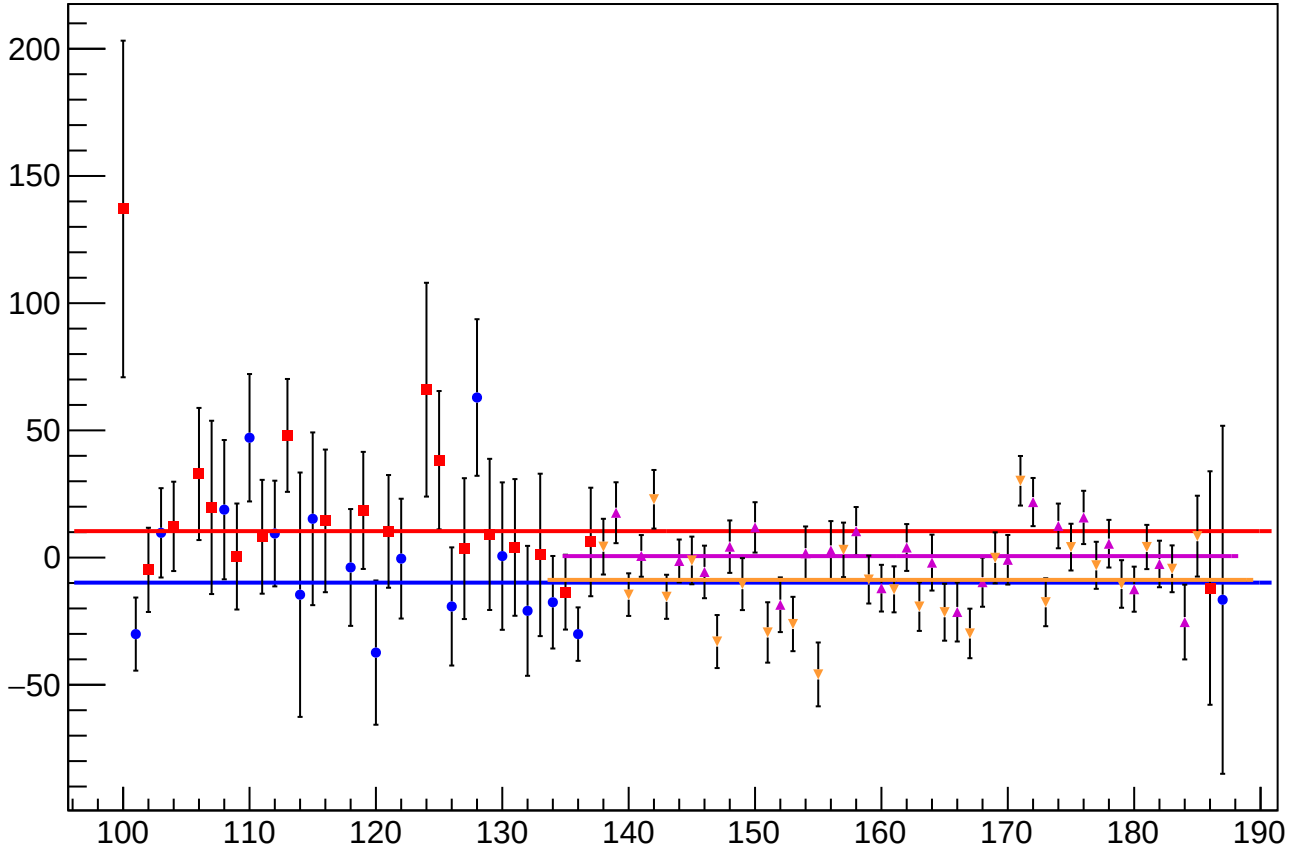
Right: 6899.401+/-1.300 χ^2/NDF: 2277894.8/36

In: 6516.584+/-0.923 χ^2/NDF:1378237.4/39

Out: 6466.493+/-0.895 χ^2/NDF:1916909.9/44

All: 6490.772+/-0.642 χ^2/NDF: 3296666.2/84

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.849+/-5.163 χ^2/NDF: 22.1/16

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 10.395+/-5.344 χ^2/NDF: 14.6/19

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

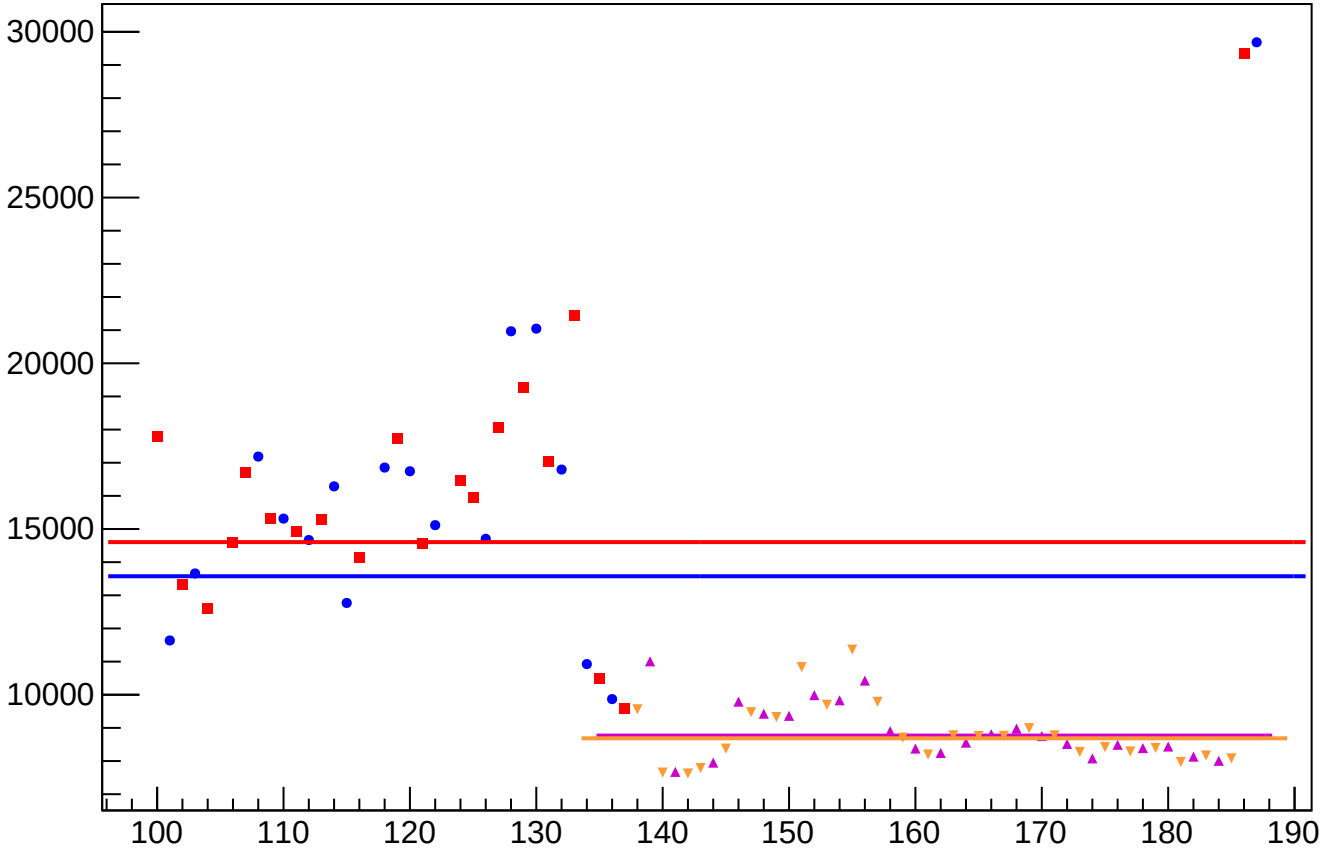
Right: -0.075+/-3.713 χ^2/NDF: 44.0/36

In: -0.852+/-1.913 χ^2/NDF:55.1/39

Out: -6.439+/-1.862 χ^2/NDF:88.6/44

All: -3.720+/-1.334 χ^2/NDF: 148.1/84

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13575.204+/-3.651 χ^2/NDF: 855284.4/16

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 14605.321+/-3.779 χ^2/NDF: 761678.7/19

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

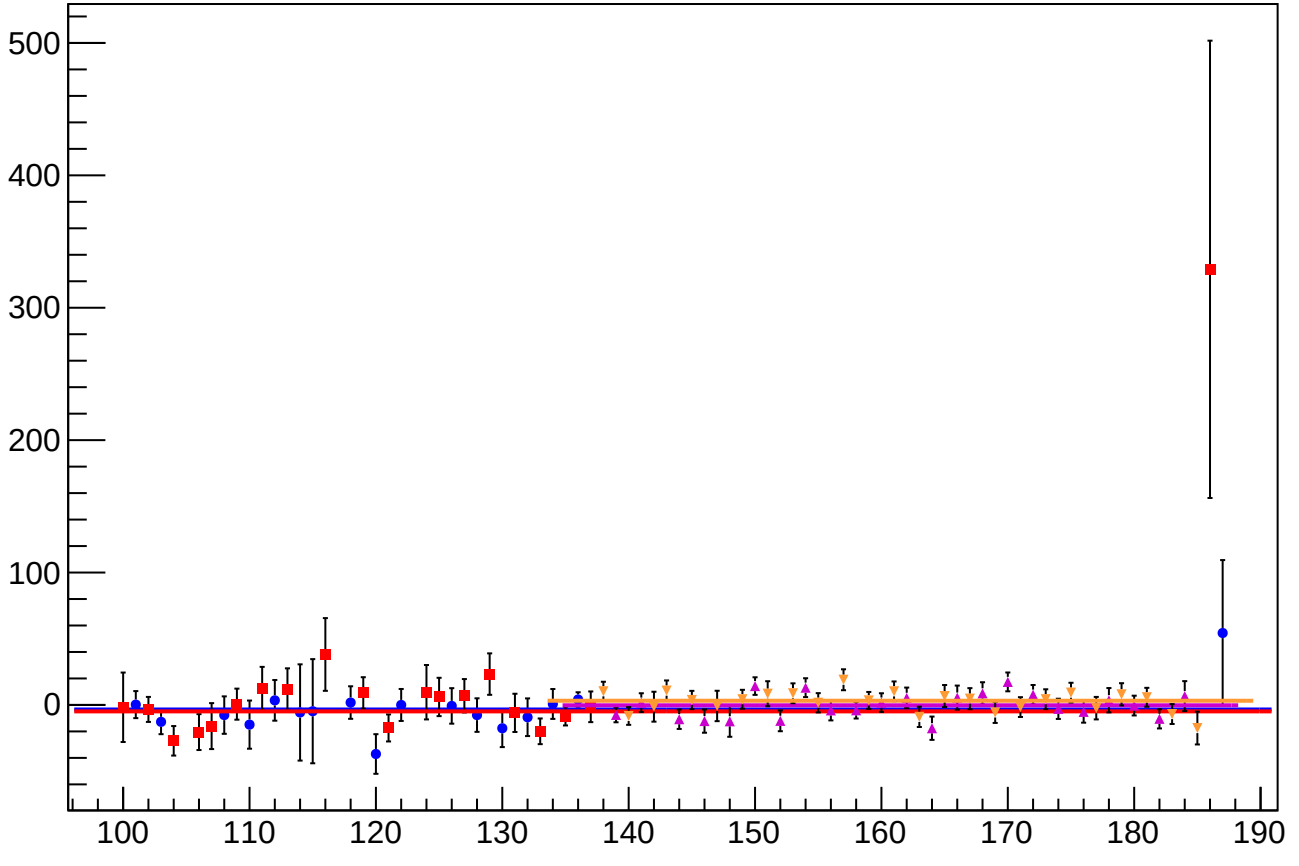
Right: 14072.552+/-2.626 χ^2/NDF: 1655398.0/36

In: 9427.378+/-1.352 χ^2/NDF:2646788.2/39

Out: 9404.979+/-1.317 χ^2/NDF:3258092.1/44

All: 9415.881+/-0.944 χ^2/NDF: 5905021.1/84

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.441+/-2.936 χ^2/NDF: 11.6/16

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -4.874+/-2.855 χ^2/NDF: 25.1/19

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

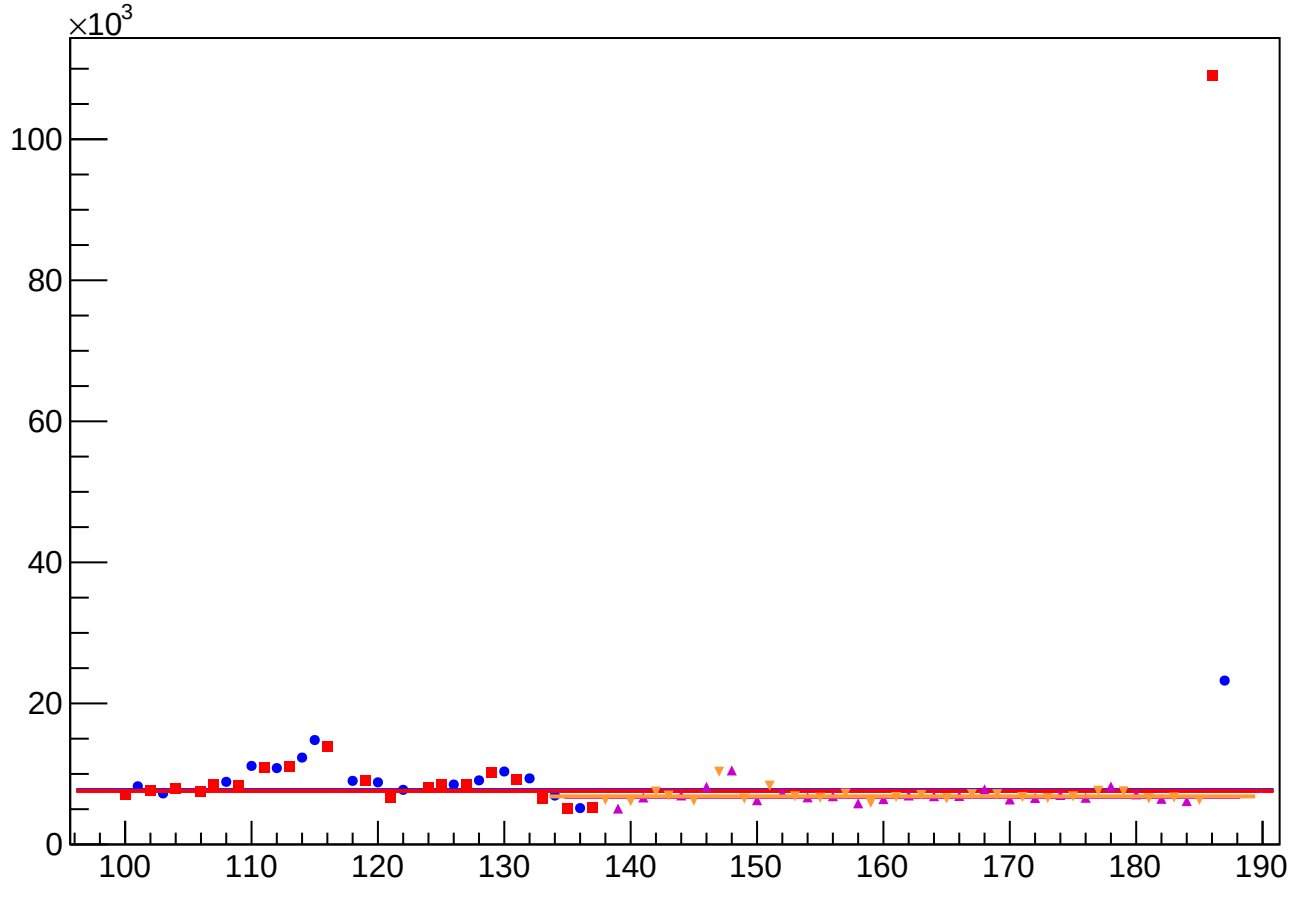
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -4.177+/-2.047 χ^2/NDF: 36.8/36

In: -0.988+/-1.398 χ^2/NDF:46.7/39

Out: 1.318+/-1.370 χ^2/NDF:52.9/44

All: 0.188+/-0.979 χ^2/NDF: 101.0/84



Right In: 7700.114+/-2.076 χ^2/NDF: 1039357.8/16

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 7585.226+/-2.019 χ^2/NDF: 1500045.3/19

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

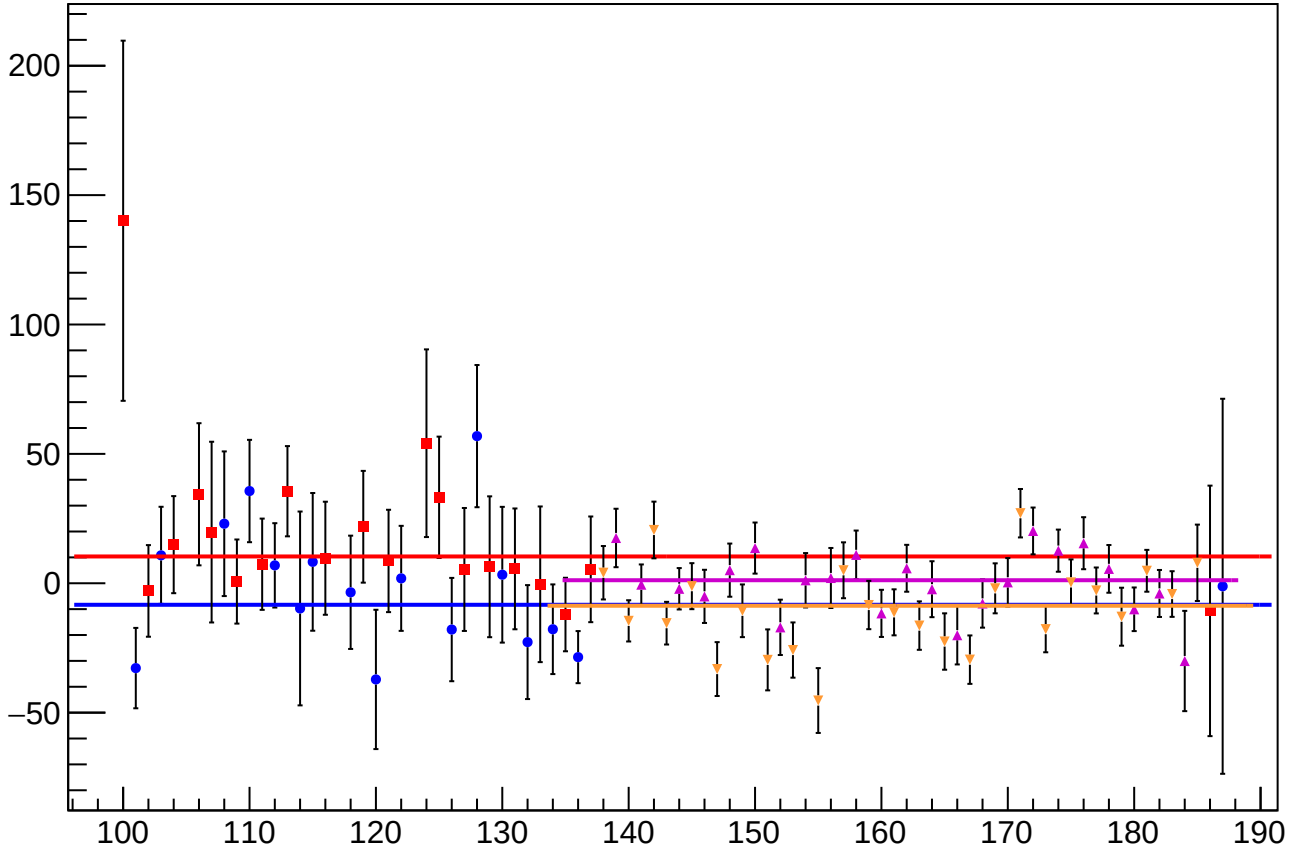
Right: 7641.069+/-1.447 χ^2/NDF: 2540977.3/36

In: 6948.410+/-0.989 χ^2/NDF:1818989.6/39

Out: 6990.839+/-0.969 χ^2/NDF:2007292.6/44

All: 6970.054+/-0.692 χ^2/NDF: 3827221.7/84

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.320+/-4.803 χ^2/NDF: 23.3/16

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 10.357+/-4.886 χ^2/NDF: 13.1/19

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

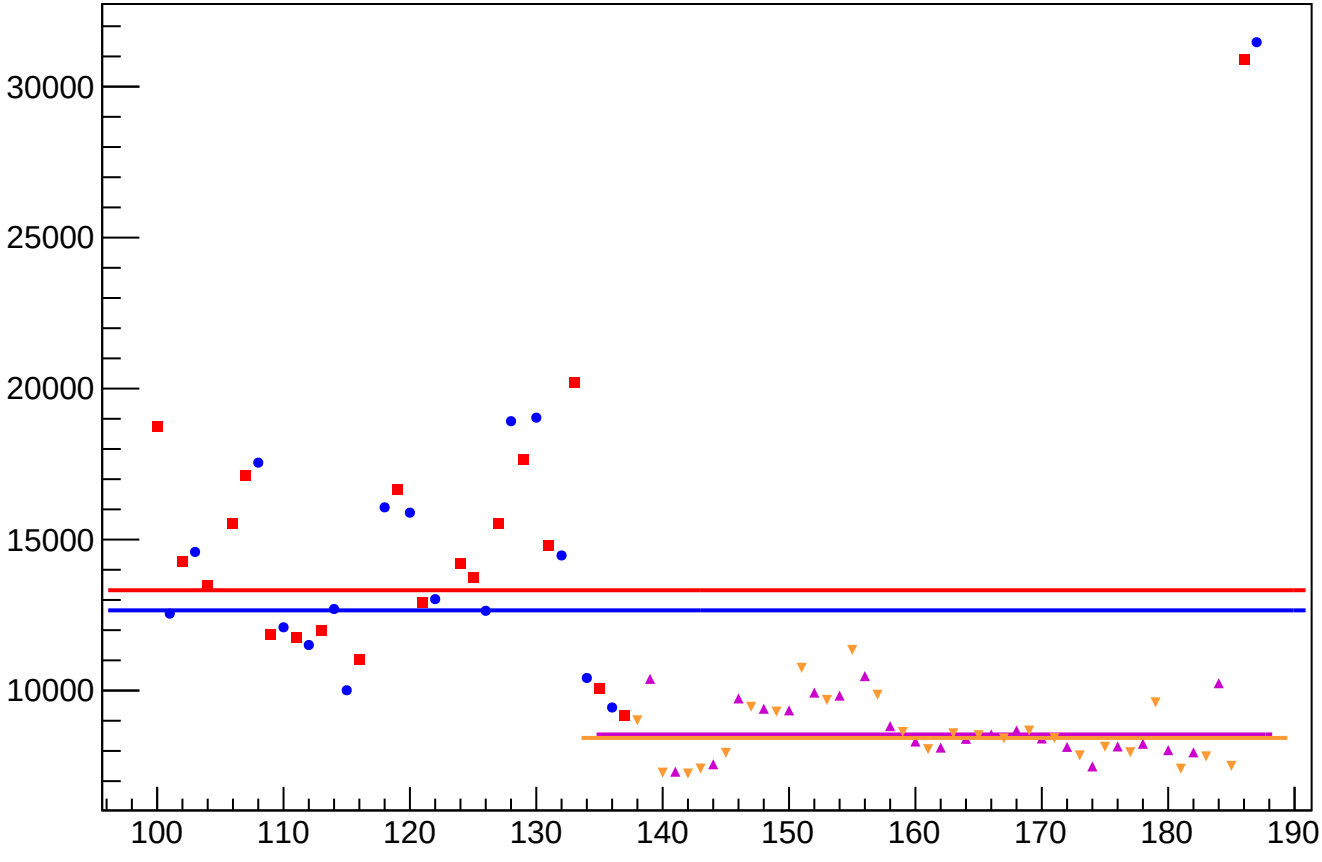
Right: 0.859+/-3.425 χ^2/NDF: 43.8/36

In: -0.244+/-1.856 χ^2/NDF:55.1/39

Out: -6.107+/-1.800 χ^2/NDF:87.6/44

All: -3.265+/-1.292 χ^2/NDF: 147.9/84

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12655.608+/-3.396 χ^2/NDF: 800446.4/16

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 13322.256+/-3.455 χ^2/NDF: 801509.1/19

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

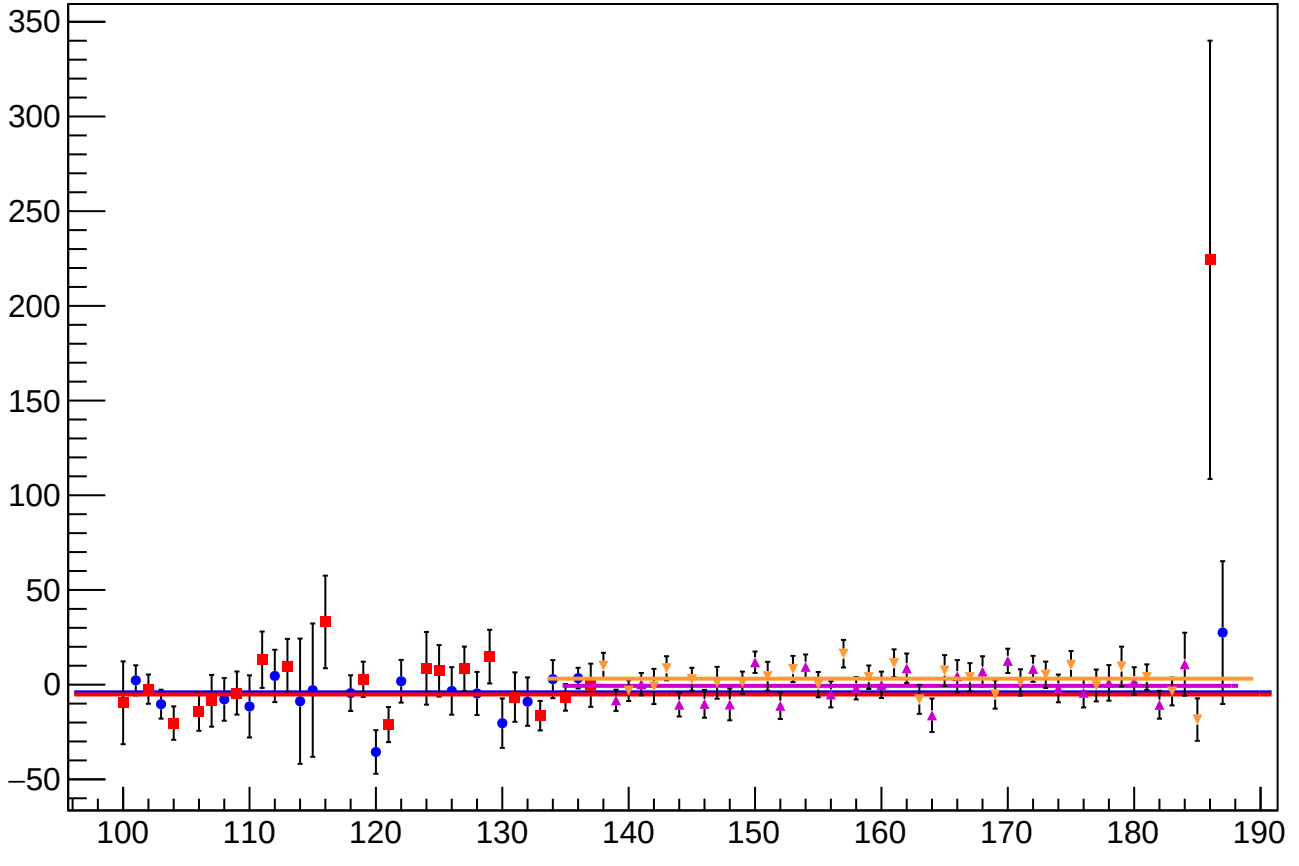
Right: 12983.246+/-2.422 χ^2/NDF: 1620890.6/36

In: 9159.263+/-1.312 χ^2/NDF:2435969.0/39

Out: 9094.591+/-1.273 χ^2/NDF:3018794.1/44

All: 9125.935+/-0.914 χ^2/NDF: 5456014.5/84

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.054+/-2.594 χ^2/NDF: 14.6/16

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -5.180+/-2.501 χ^2/NDF: 23.7/19

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

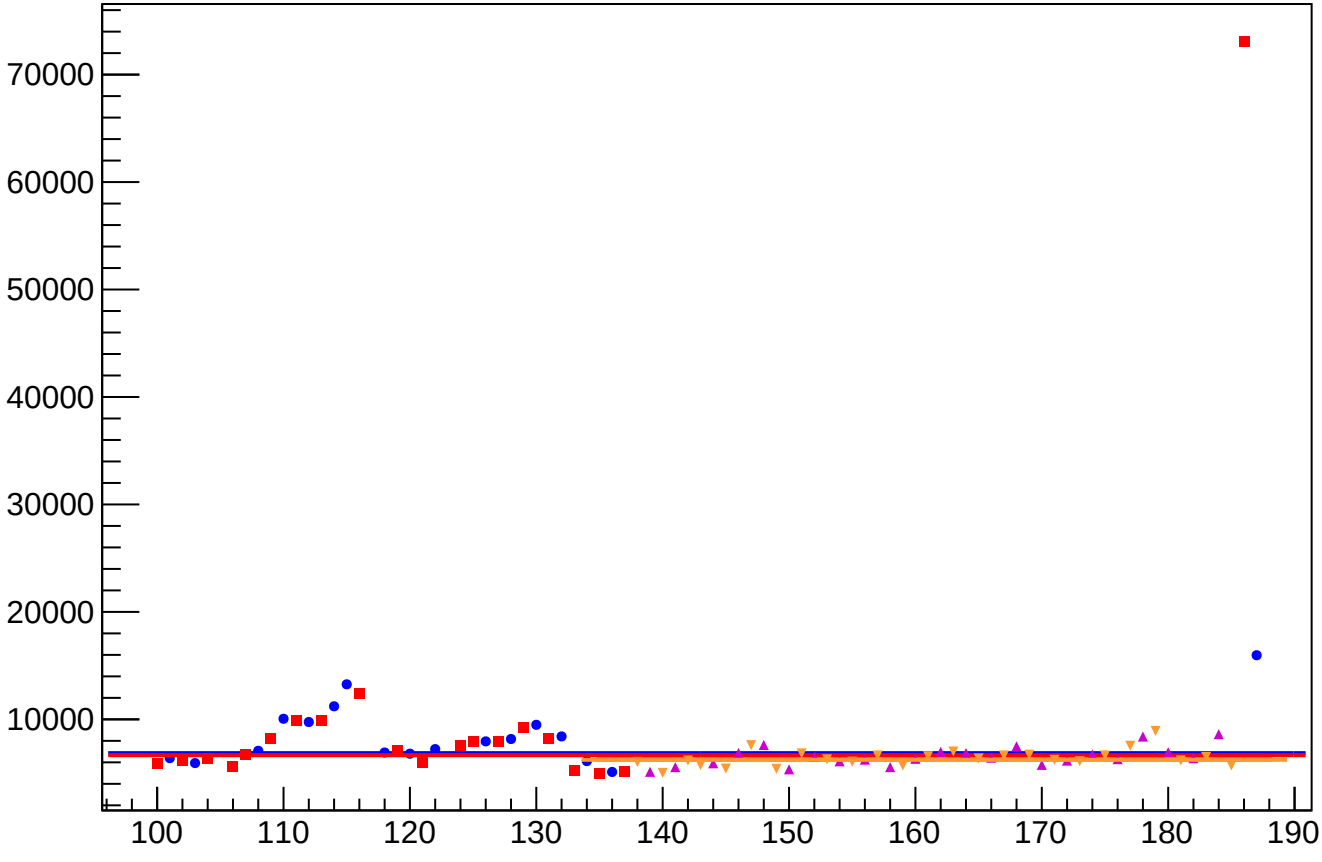
Right: -4.638+/-1.801 χ^2/NDF: 38.3/36

In: -1.475+/-1.287 χ^2/NDF:47.7/39

Out: 1.114+/-1.245 χ^2/NDF:50.8/44

All: -0.137+/-0.895 χ^2/NDF: 100.6/84

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6857.636+/-1.834 χ^2/NDF: 791473.1/16

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 6664.735+/-1.769 χ^2/NDF: 1422243.8/19

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

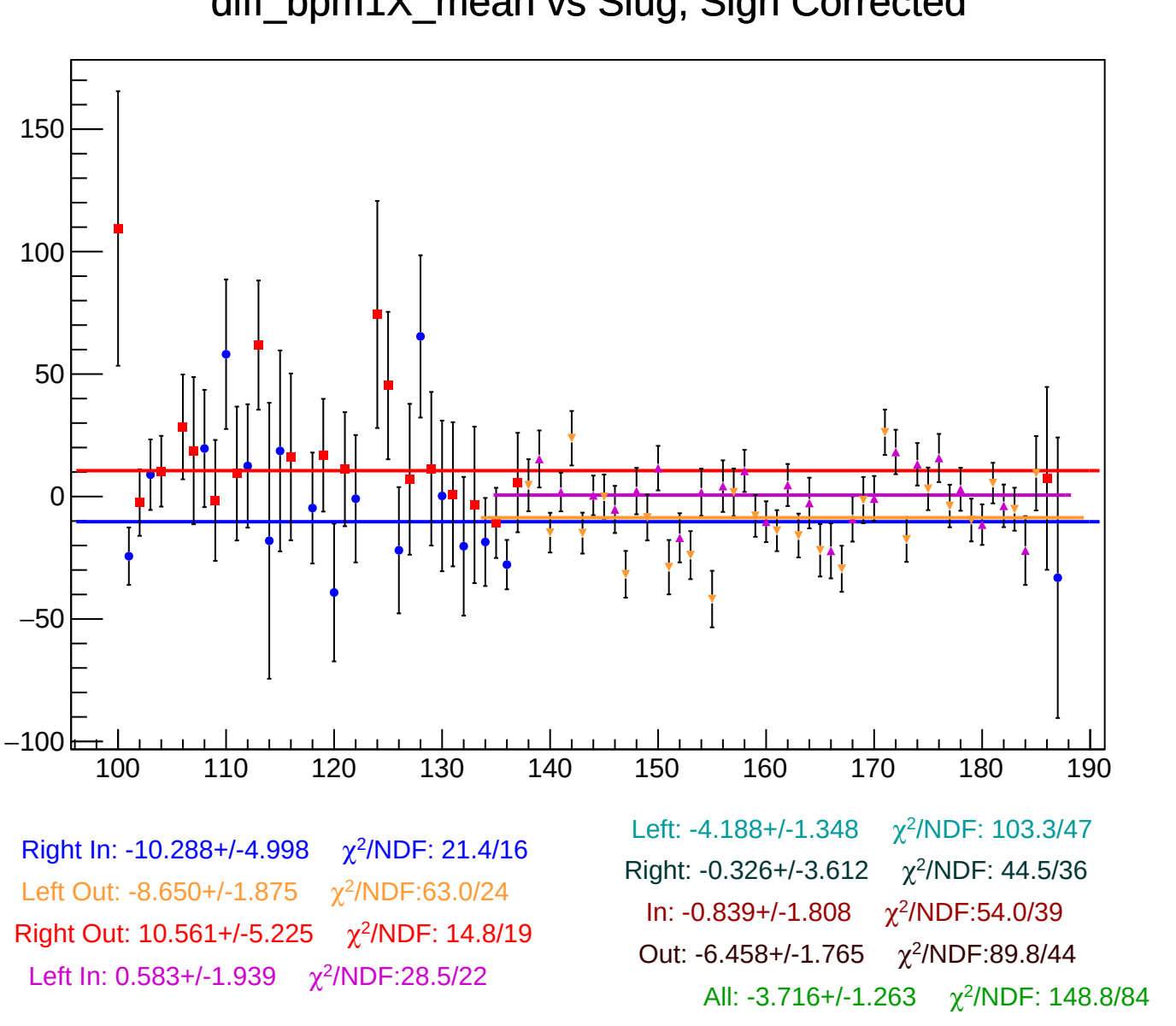
Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

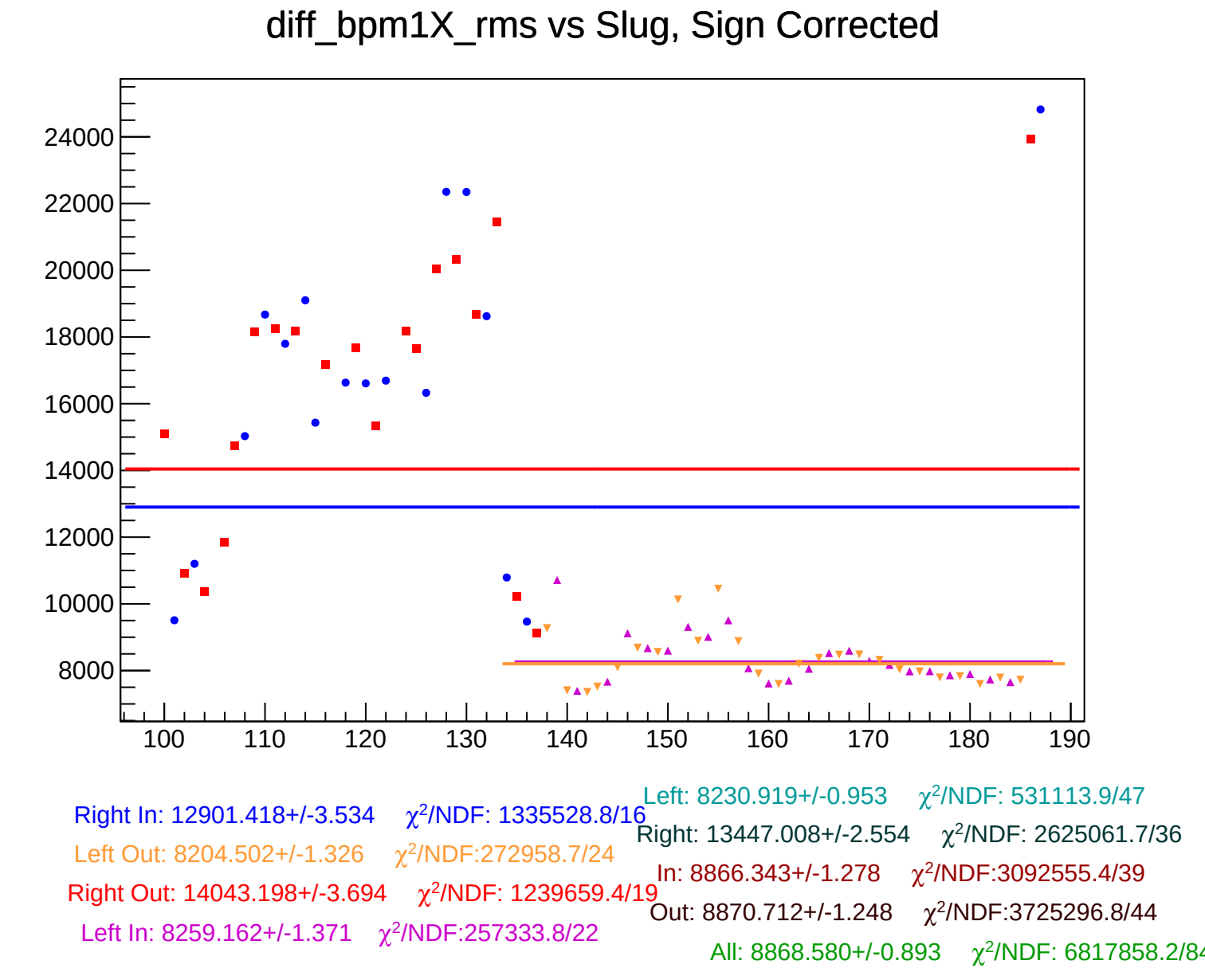
Right: 6757.675+/-1.273 χ^2/NDF: 2219447.4/36

In: 6413.243+/-0.910 χ^2/NDF:1393636.7/39

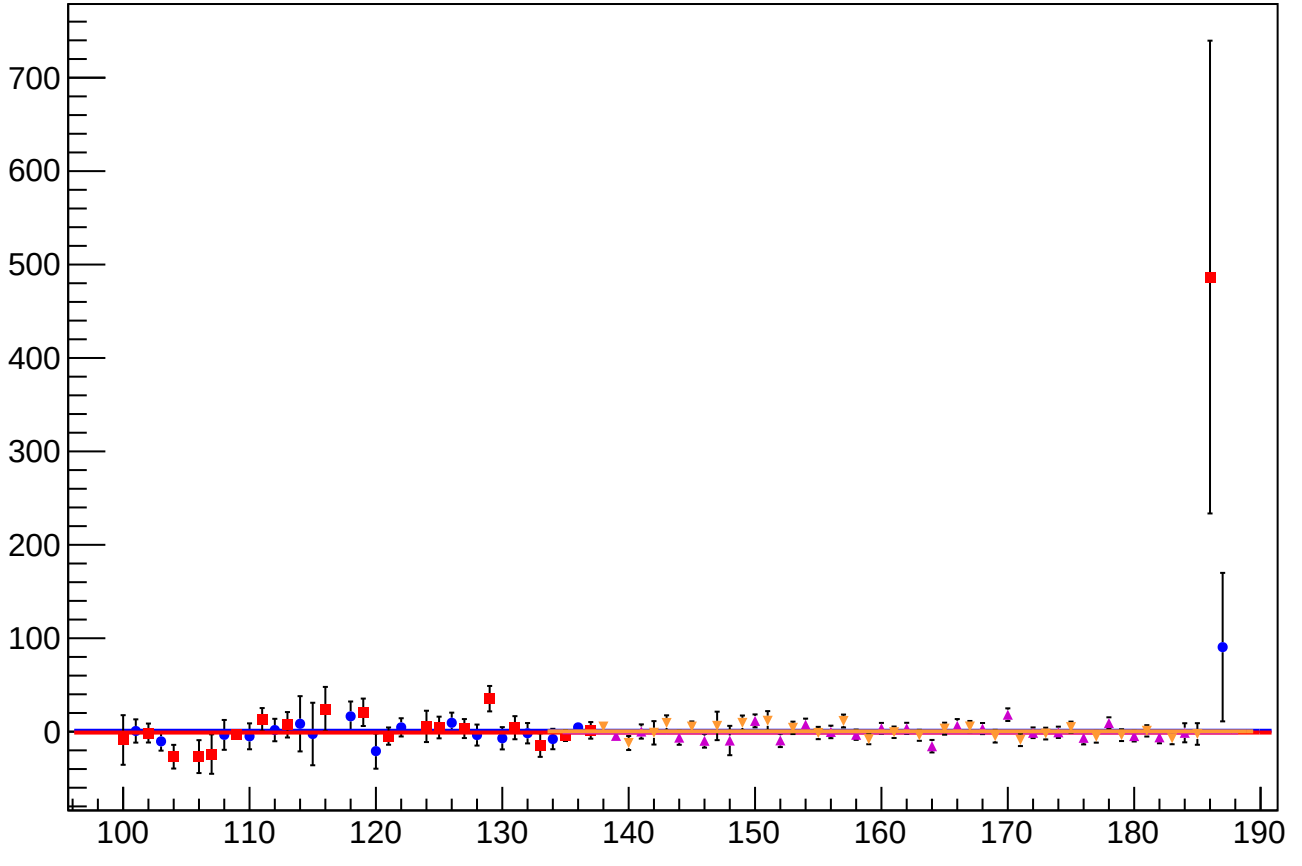
Out: 6343.589+/-0.880 χ^2/NDF:1973781.8/44

All: 6377.259+/-0.633 χ^2/NDF: 3370446.6/84


diff_bpm1X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: -10.288+/-4.998 χ²/NDF: 21.4/16
Left Out: -8.650+/-1.875 χ²/NDF:63.0/24
Right Out: 10.561+/-5.225 χ²/NDF: 14.8/19
Left In: 0.583+/-1.939 χ²/NDF:28.5/22
Left: -4.188+/-1.348 χ²/NDF: 103.3/47
Right: -0.326+/-3.612 χ²/NDF: 44.5/36
In: -0.839+/-1.808 χ²/NDF:54.0/39
Out: -6.458+/-1.765 χ²/NDF:89.8/44
All: -3.716+/-1.263 χ²/NDF: 148.8/84


diff_bpm1X_rms vs Slug, Sign Corrected
24000
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
190
Right In: 12901.418+/-3.534 χ²/NDF: 1335528.8/16
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 14043.198+/-3.694 χ²/NDF: 1239659.4/19
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 13447.008+/-2.554 χ²/NDF: 2625061.7/36
In: 8866.343+/-1.278 χ²/NDF:3092555.4/39
Out: 8870.712+/-1.248 χ²/NDF:3725296.8/44
All: 8868.580+/-0.893 χ²/NDF: 6817858.2/84

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.975+/-2.565 χ^2/NDF: 8.1/16

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -0.965+/-2.314 χ^2/NDF: 26.0/19

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

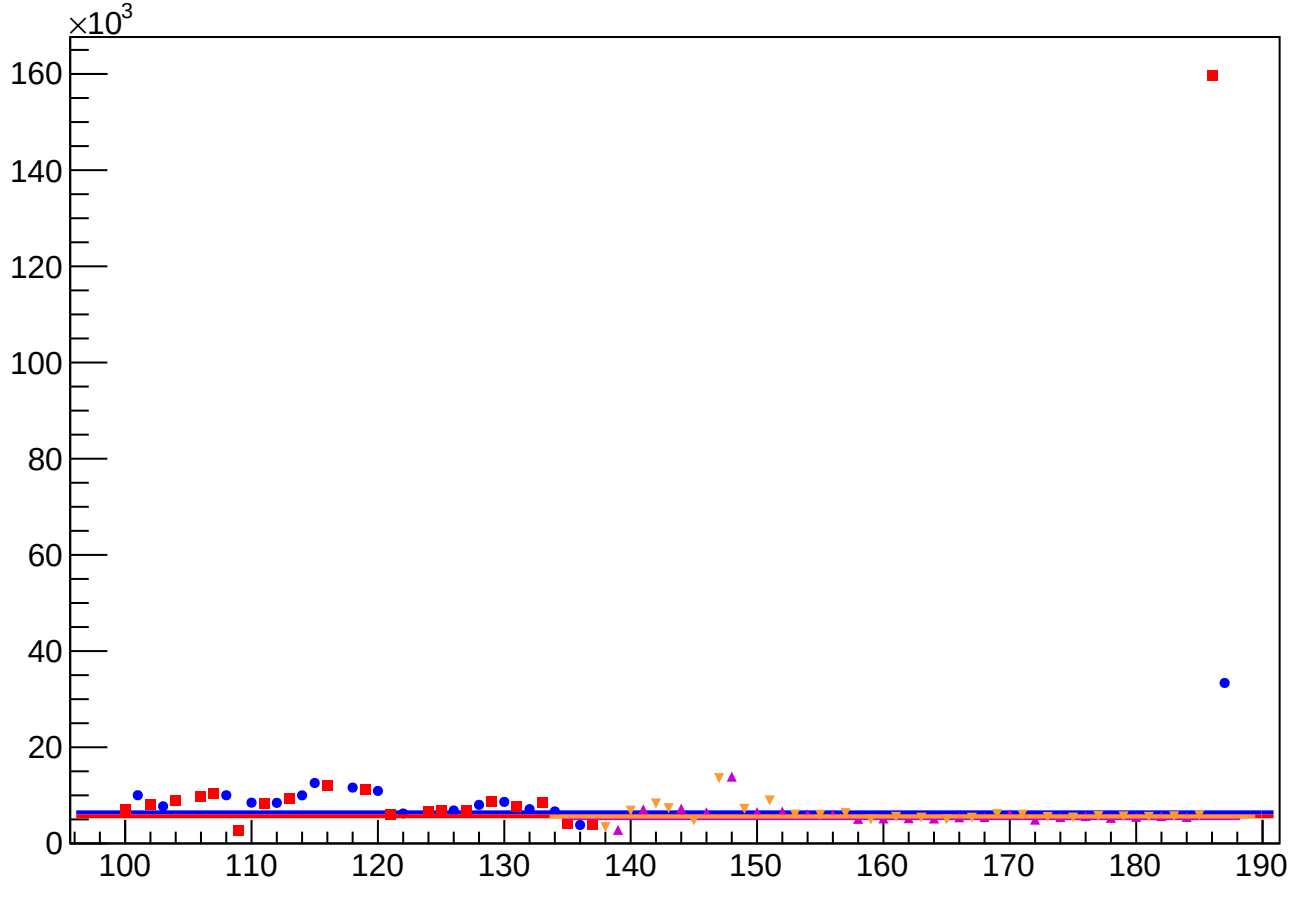
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -0.095+/-1.718 χ^2/NDF: 34.4/36

In: -0.369+/-1.153 χ^2/NDF:38.3/39

Out: 0.029+/-1.148 χ^2/NDF:47.8/44

All: -0.169+/-0.813 χ^2/NDF: 86.2/84



Right In: 6462.614+/-1.814 χ^2/NDF: 1980148.0/16

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5650.221+/-1.636 χ^2/NDF: 3320872.9/19

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

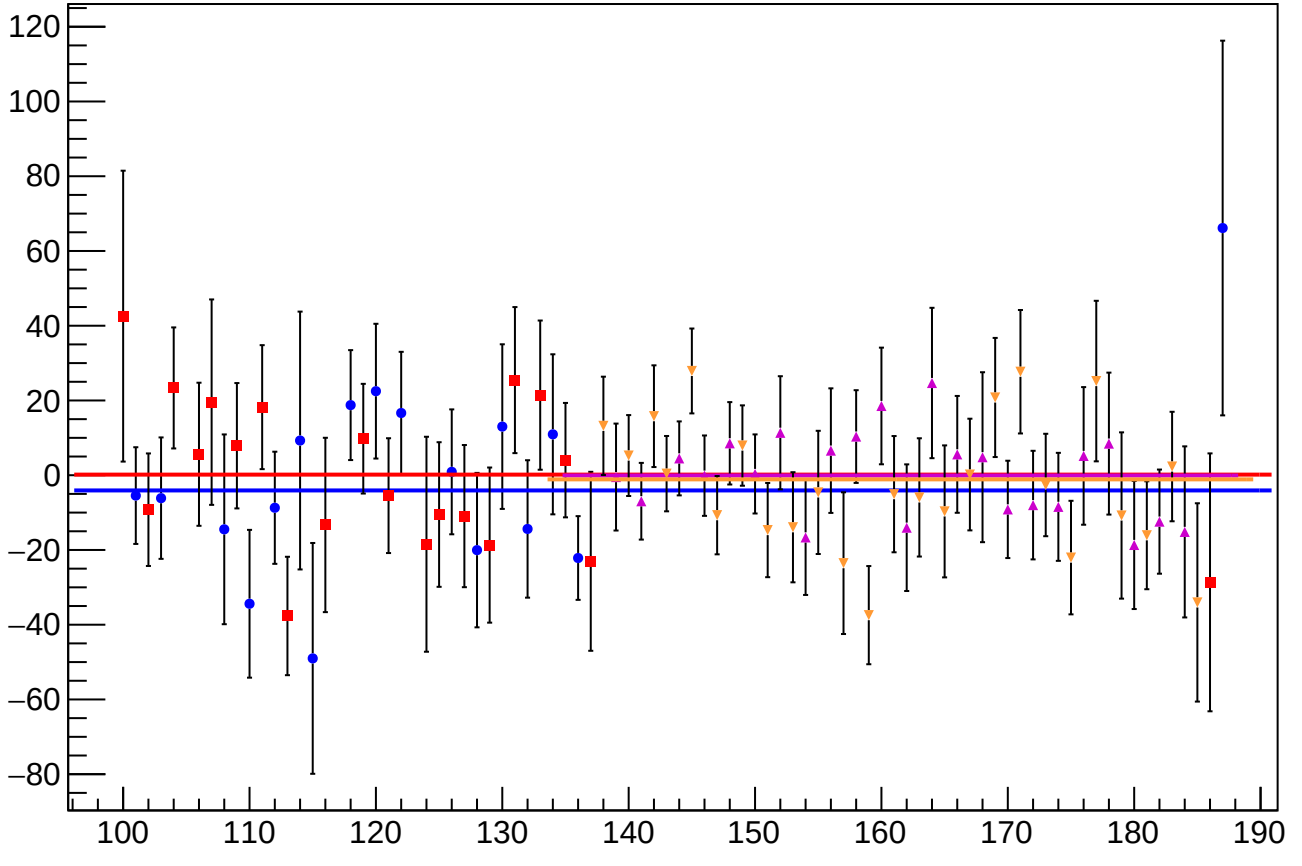
Right: 6014.739+/-1.215 χ^2/NDF: 5411649.5/36

In: 5505.367+/-0.815 χ^2/NDF:4754972.0/39

Out: 5608.210+/-0.811 χ^2/NDF:5106006.5/44

All: 5557.042+/-0.575 χ^2/NDF: 9868969.8/84

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.072+/-4.338 χ^2/NDF: 17.8/16

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 0.159+/-4.234 χ^2/NDF: 18.6/19

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

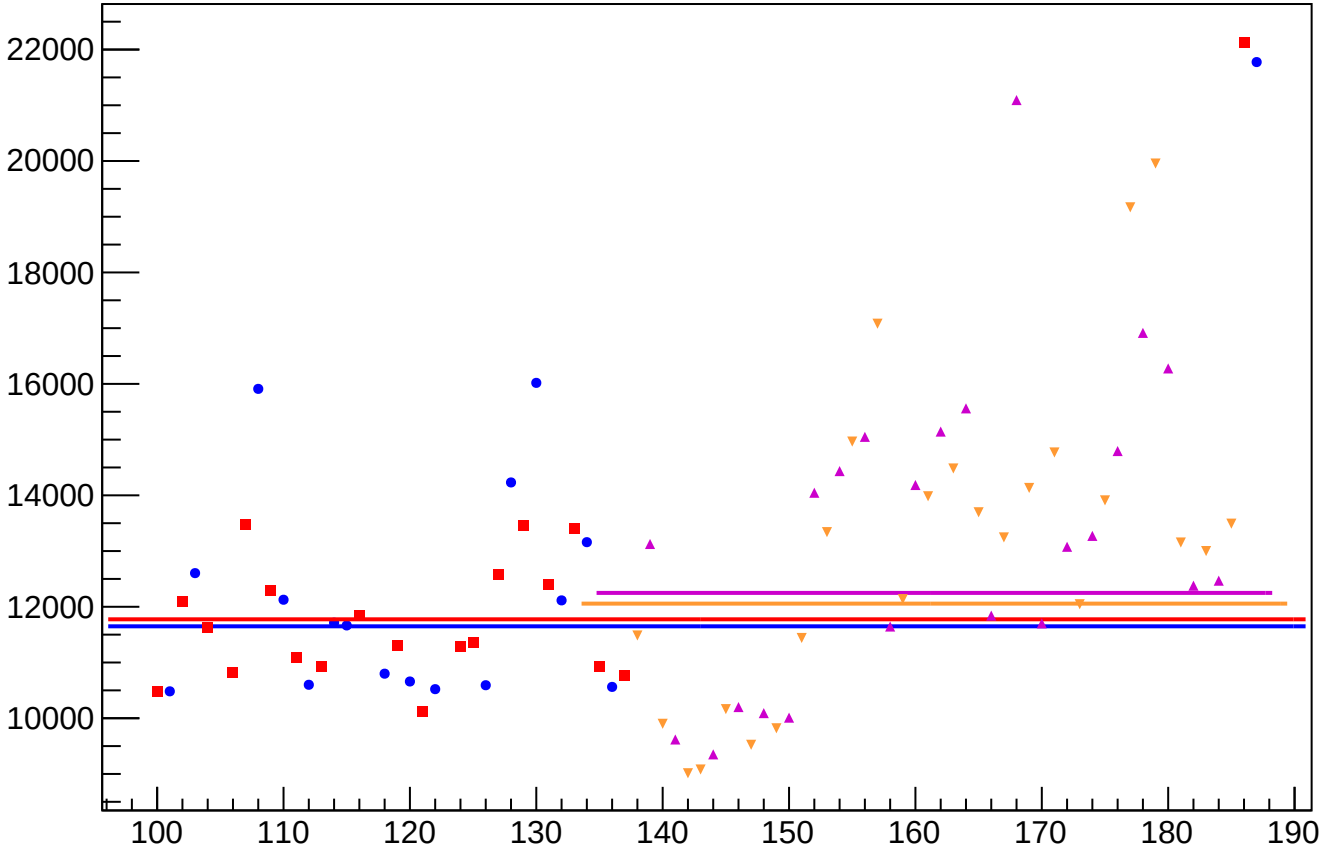
Right: -1.905+/-3.030 χ^2/NDF: 36.8/36

In: -1.331+/-2.426 χ^2/NDF:29.8/39

Out: -0.722+/-2.343 χ^2/NDF:52.4/44

All: -1.016+/-1.685 χ^2/NDF: 82.3/84

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11649.484+/-3.068 χ^2/NDF: 342285.1/16

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 11775.176+/-2.994 χ^2/NDF: 276226.6/19

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

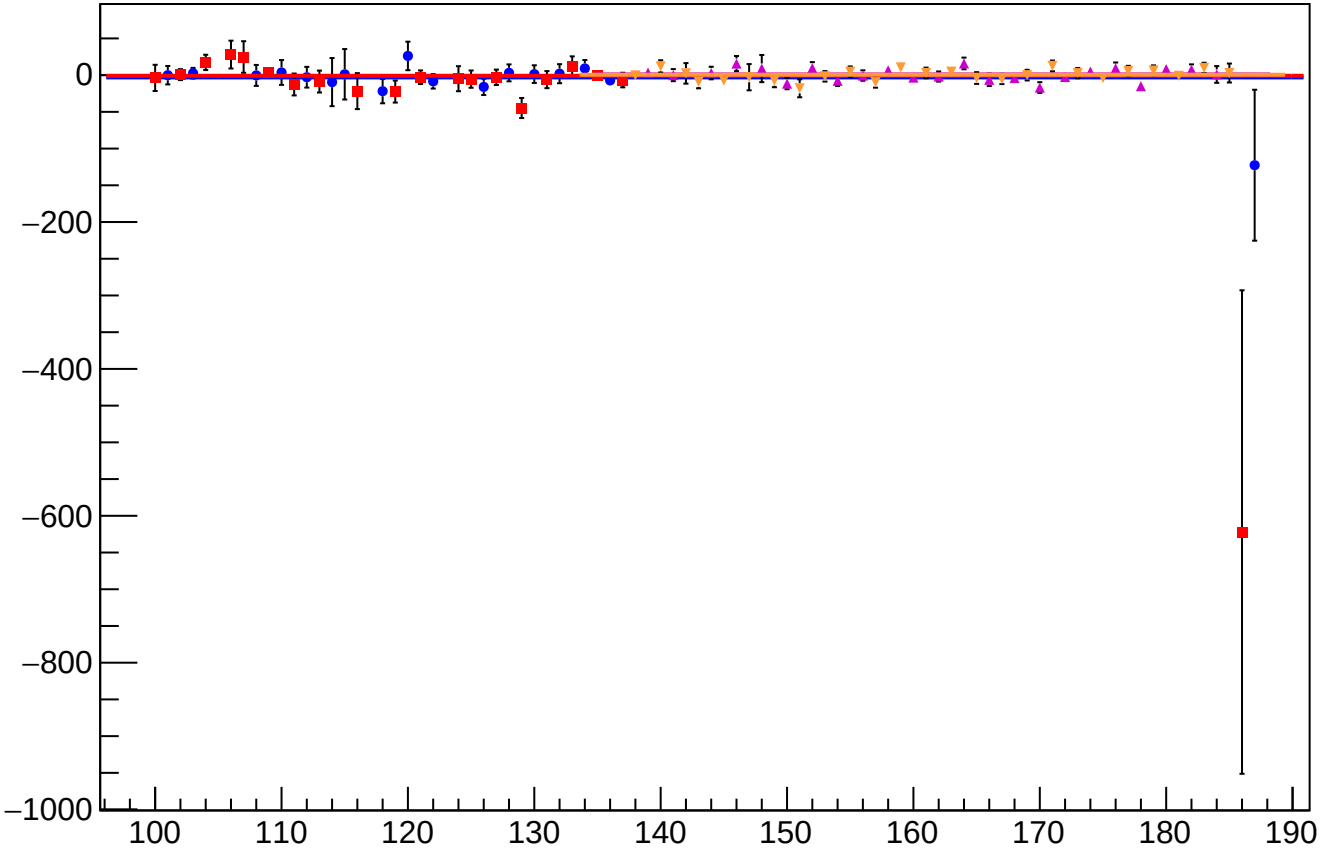
Right: 11713.856+/-2.143 χ^2/NDF: 619371.5/36

In: 12061.604+/-1.715 χ^2/NDF:1784574.7/39

Out: 11970.502+/-1.657 χ^2/NDF:1844100.0/44

All: 12014.470+/-1.192 χ^2/NDF: 3630133.8/8

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.094+/-2.653 χ^2/NDF: 10.0/16

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -0.863+/-2.352 χ^2/NDF: 27.4/19

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

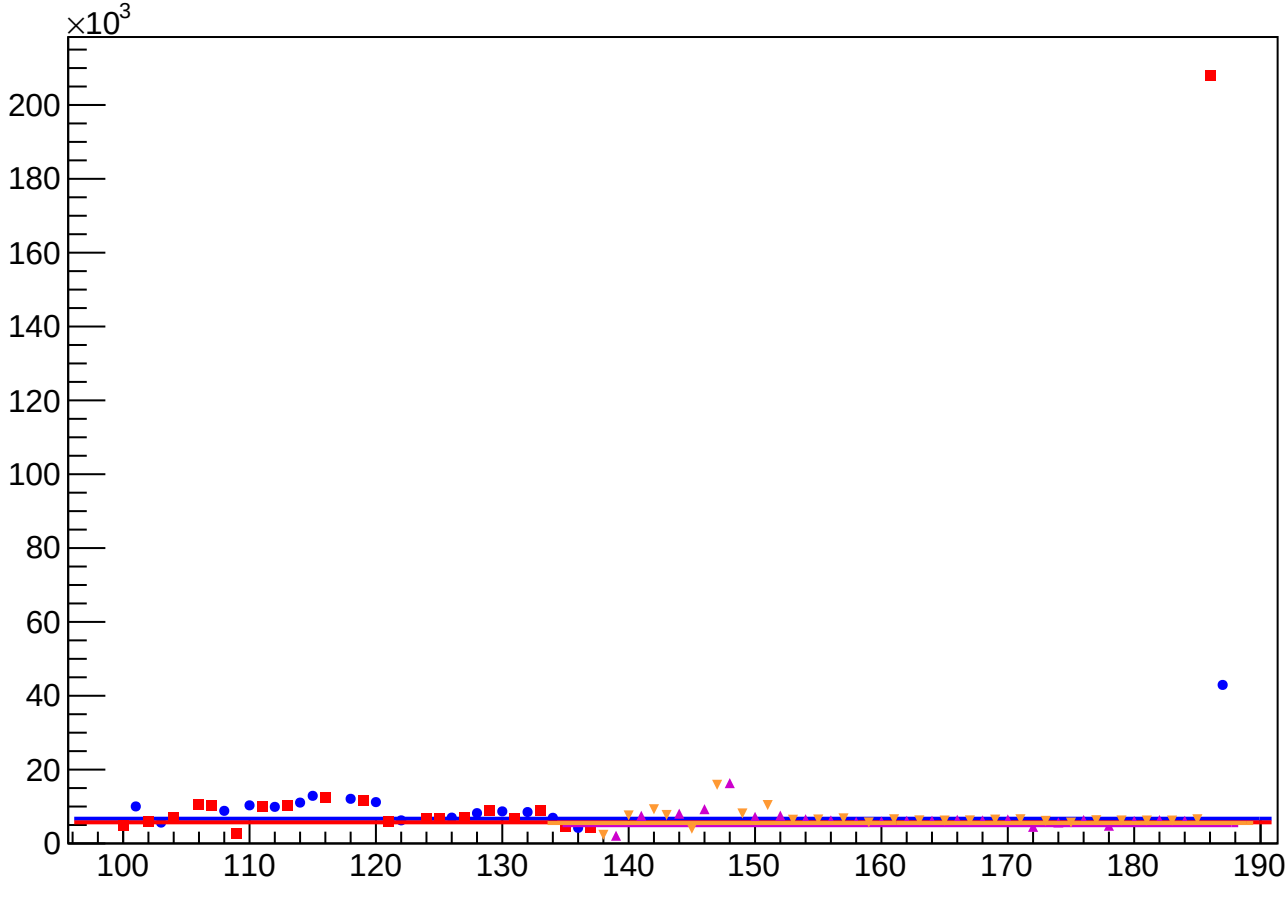
Right: -1.845+/-1.760 χ^2/NDF: 37.8/36

In: 0.169+/-1.163 χ^2/NDF:44.1/39

Out: 0.174+/-1.183 χ^2/NDF:49.1/44

All: 0.172+/-0.829 χ^2/NDF: 93.1/84

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6701.097+/-1.876 χ^2/NDF: 1821792.0/16

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 5720.140+/-1.663 χ^2/NDF: 3055450.0/19

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

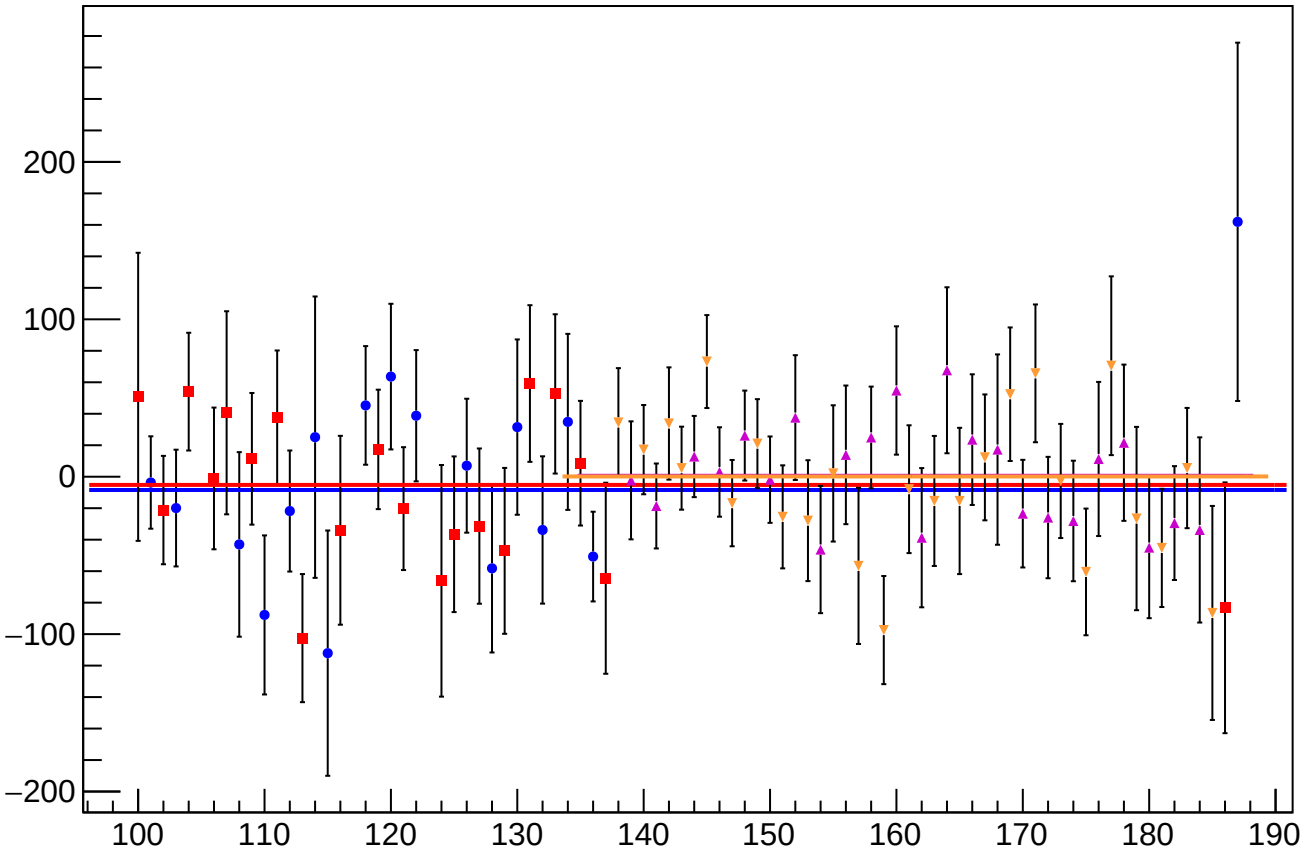
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

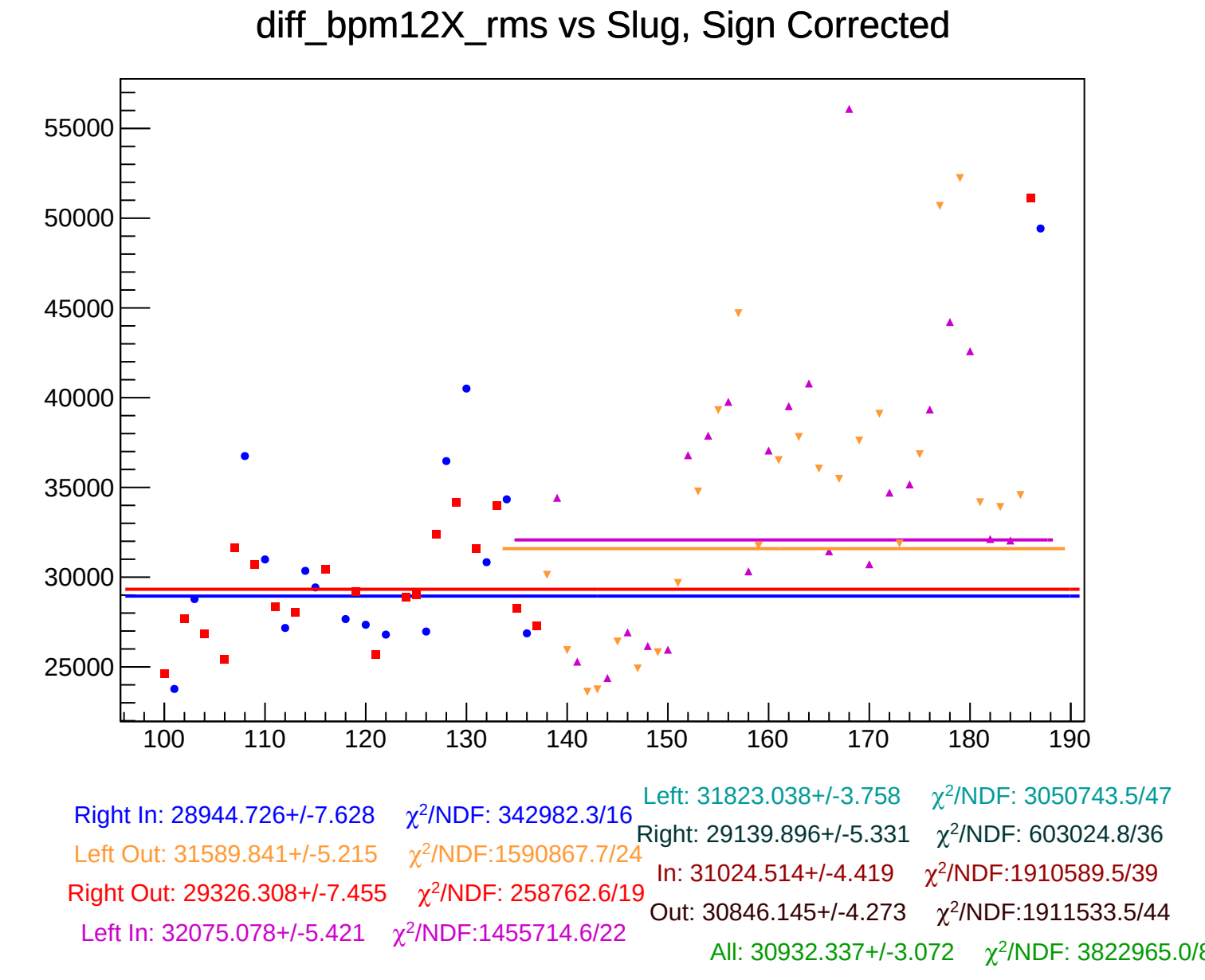
Right: 6151.729+/-1.244 χ^2/NDF: 5030365.7/36

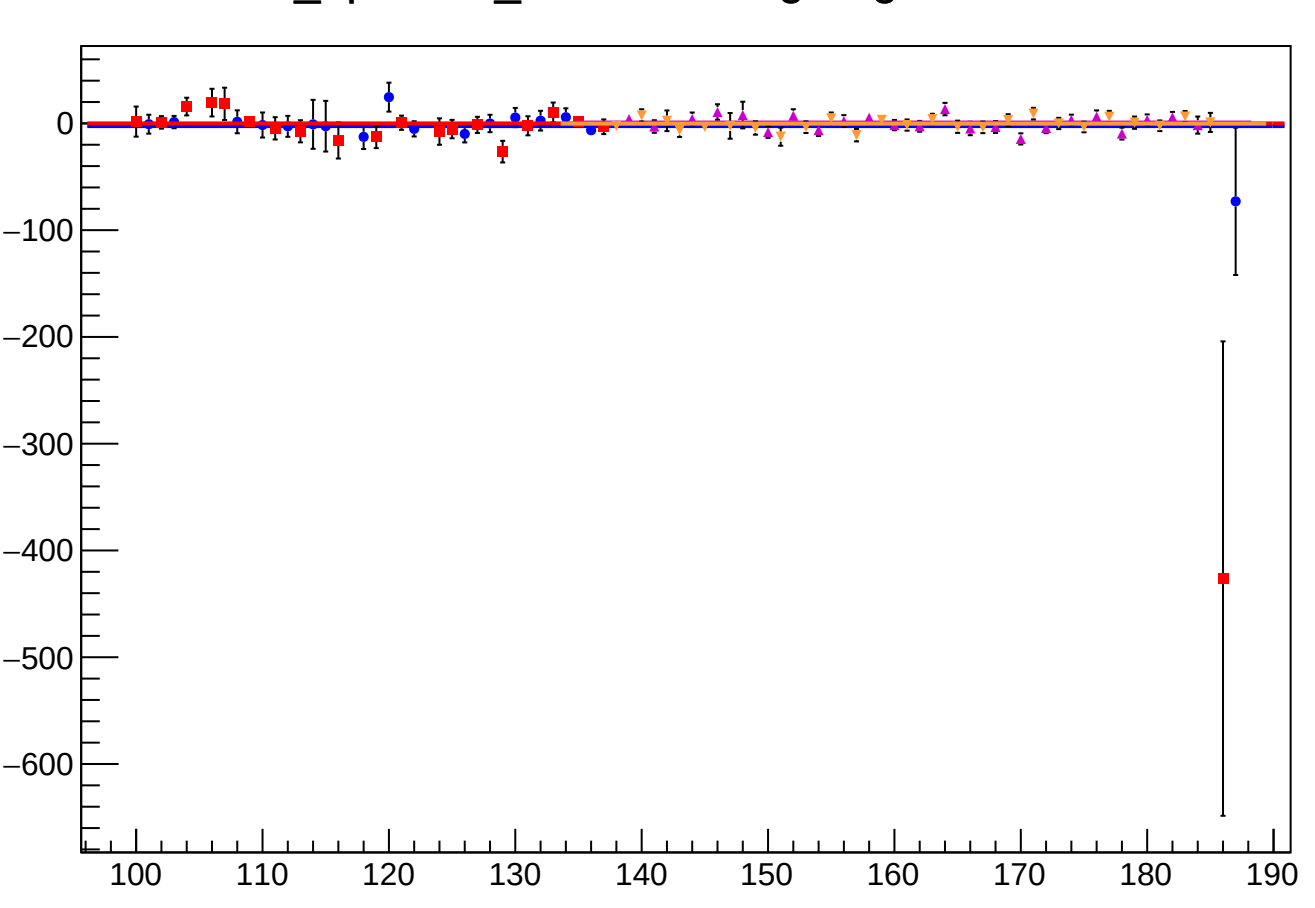
In: 5280.169+/-0.823 χ^2/NDF:8468119.7/39

Out: 5576.600+/-0.836 χ^2/NDF:7441148.6/44

All: 5425.899+/-0.586 χ^2/NDF: 15973116.2/8


diff_bpm12X_mean vs Slug, Sign Corrected
200
100
0
−100
−200
100
110
120
130
140
150
160
170
180
190
Right In: -8.425+/-10.787 χ²/NDF: 17.6/16
Left Out: 0.168+/-7.375 χ²/NDF:31.1/24
Right Out: -5.205+/-10.543 χ²/NDF: 18.3/19
Left In: 0.586+/-7.667 χ²/NDF:12.8/22
Left: 0.369+/-5.315 χ²/NDF: 43.9/47
Right: -6.778+/-7.540 χ²/NDF: 35.9/36
In: -2.438+/-6.249 χ²/NDF:30.8/39
Out: -1.598+/-6.043 χ²/NDF:49.6/44
All: -2.004+/-4.344 χ²/NDF: 80.4/84


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
190
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 29326.308+/-7.455 χ²/NDF: 258762.6/19
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 29139.896+/-5.331 χ²/NDF: 603024.8/36
In: 31024.514+/-4.419 χ²/NDF:1910589.5/39
Out: 30846.145+/-4.273 χ²/NDF:1911533.5/44
All: 30932.337+/-3.072 χ²/NDF: 3822965.0/8



Right In: -2.522+/-1.915 χ^2/NDF: 11.1/16

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -0.020+/-1.828 χ^2/NDF: 23.6/19

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

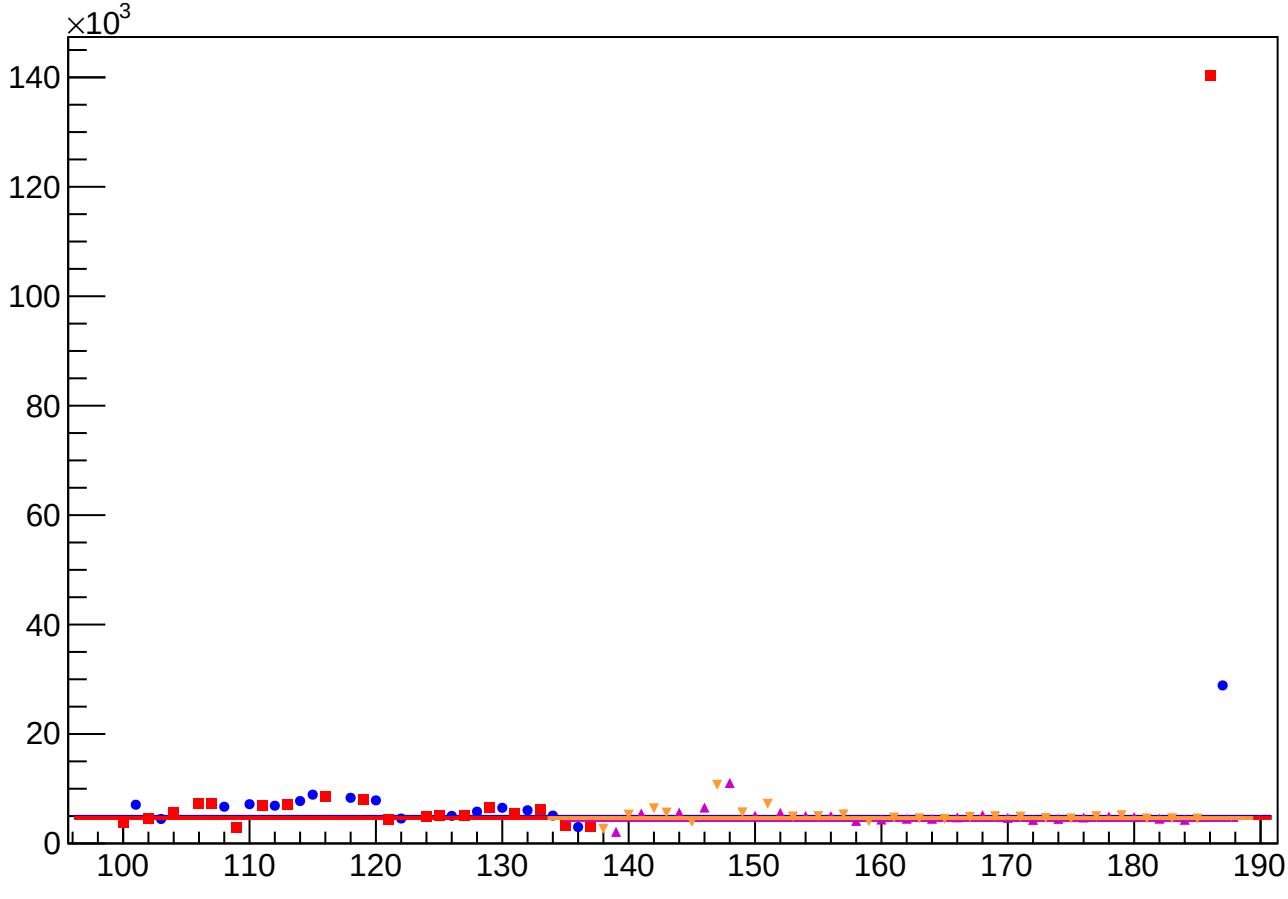
Right: -1.213+/-1.322 χ^2/NDF: 35.6/36

In: 0.011+/-0.928 χ^2/NDF:47.1/39

Out: -0.171+/-0.939 χ^2/NDF:43.5/44

All: -0.079+/-0.660 χ^2/NDF: 90.7/84

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4855.680+/-1.354 χ^2/NDF: 1790242.3/16

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 4658.797+/-1.293 χ^2/NDF: 2180075.2/19

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

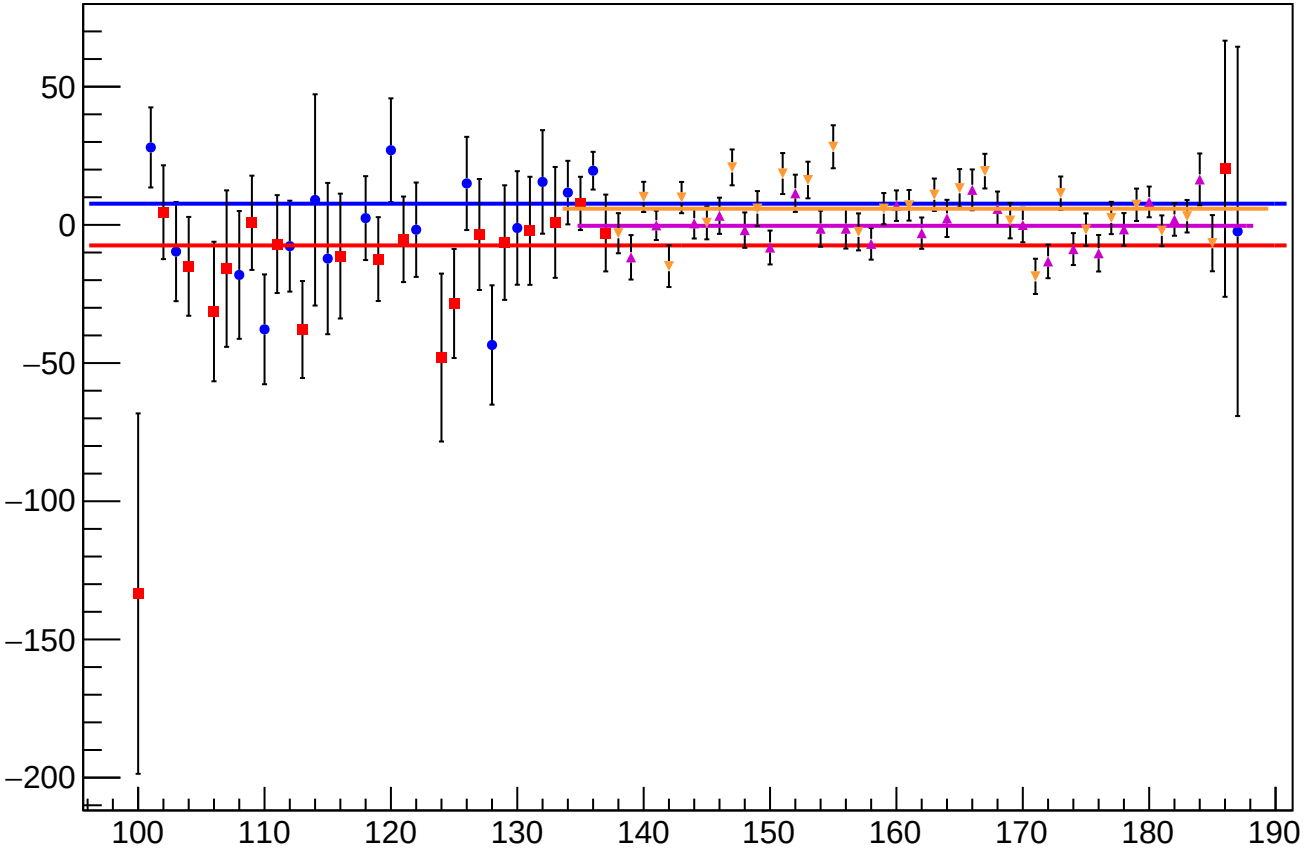
Right: 4752.674+/-0.935 χ^2/NDF: 3981378.9/36

In: 4426.683+/-0.656 χ^2/NDF:5017026.9/39

Out: 4643.041+/-0.664 χ^2/NDF:3943380.2/44

All: 4533.601+/-0.467 χ^2/NDF: 9014151.1/84

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.666+/-3.814 χ^2/NDF: 21.6/16

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -7.433+/-4.083 χ^2/NDF: 14.9/19

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

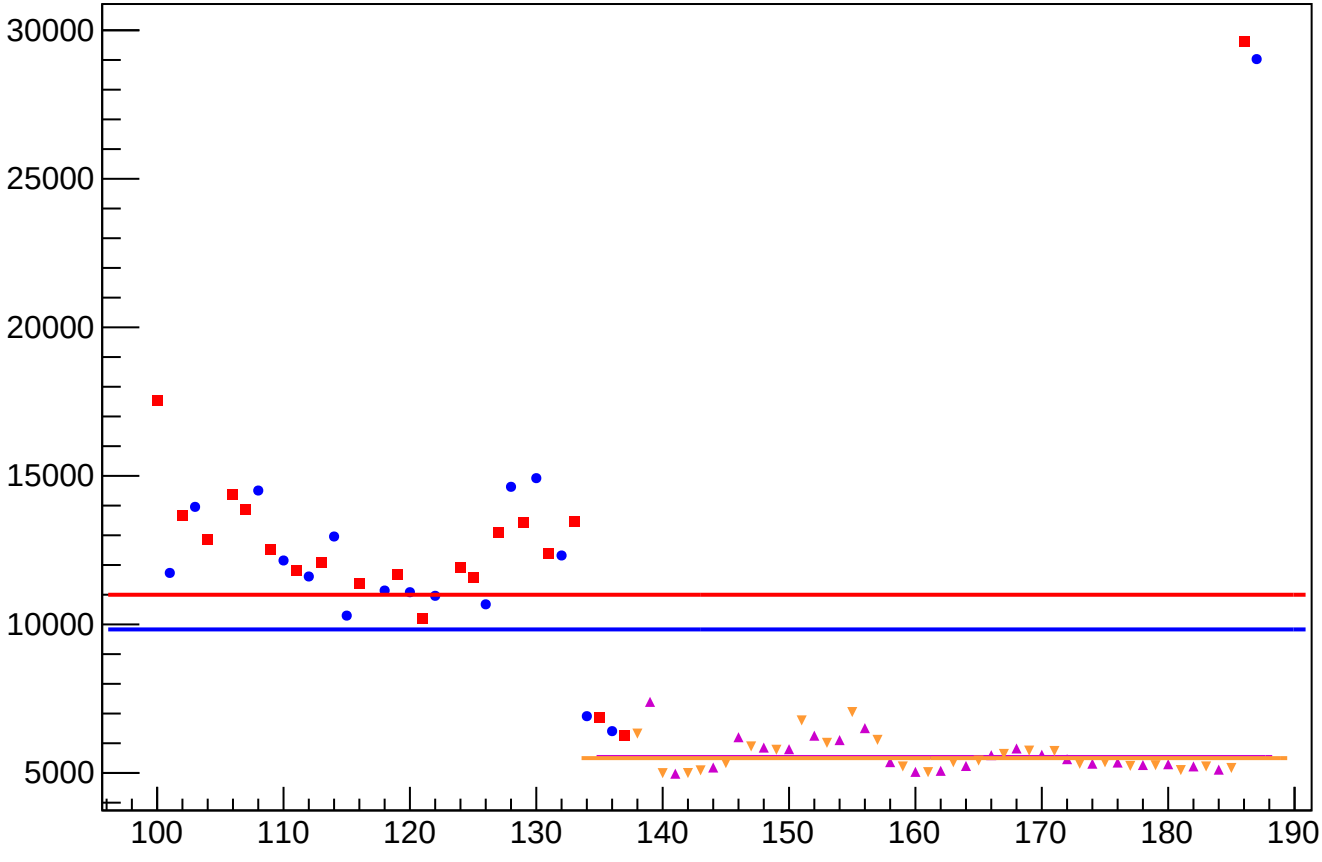
Right: 0.632+/-2.787 χ^2/NDF: 43.9/36

In: 0.497+/-1.231 χ^2/NDF:54.9/39

Out: 4.698+/-1.202 χ^2/NDF:84.7/44

All: 2.649+/-0.860 χ^2/NDF: 145.5/84

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9831.508+/-2.697 χ^2/NDF: 1379326.8/16

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 10998.708+/-2.887 χ^2/NDF: 1199938.3/19

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

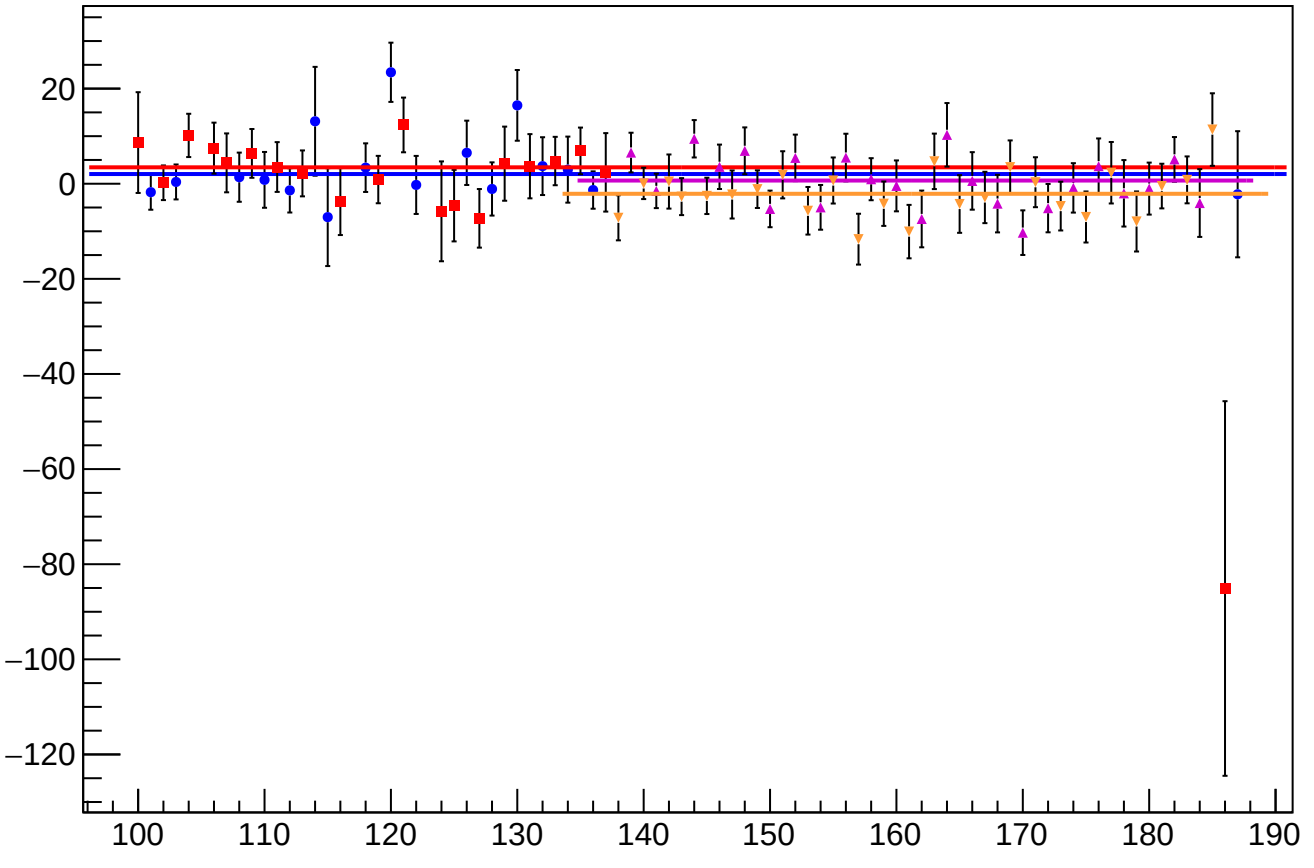
Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

Right: 10375.286+/-1.971 χ^2/NDF: 2666550.2/36

In: 5985.272+/-0.871 χ^2/NDF:3954525.4/39

Out: 5975.547+/-0.850 χ^2/NDF:4811354.4/44

All: 5980.292+/-0.608 χ^2/NDF: 8765943.6/84



Right In: 2.038+/-1.338 χ^2/NDF: 21.1/16

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 3.449+/-1.303 χ^2/NDF: 18.5/19

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

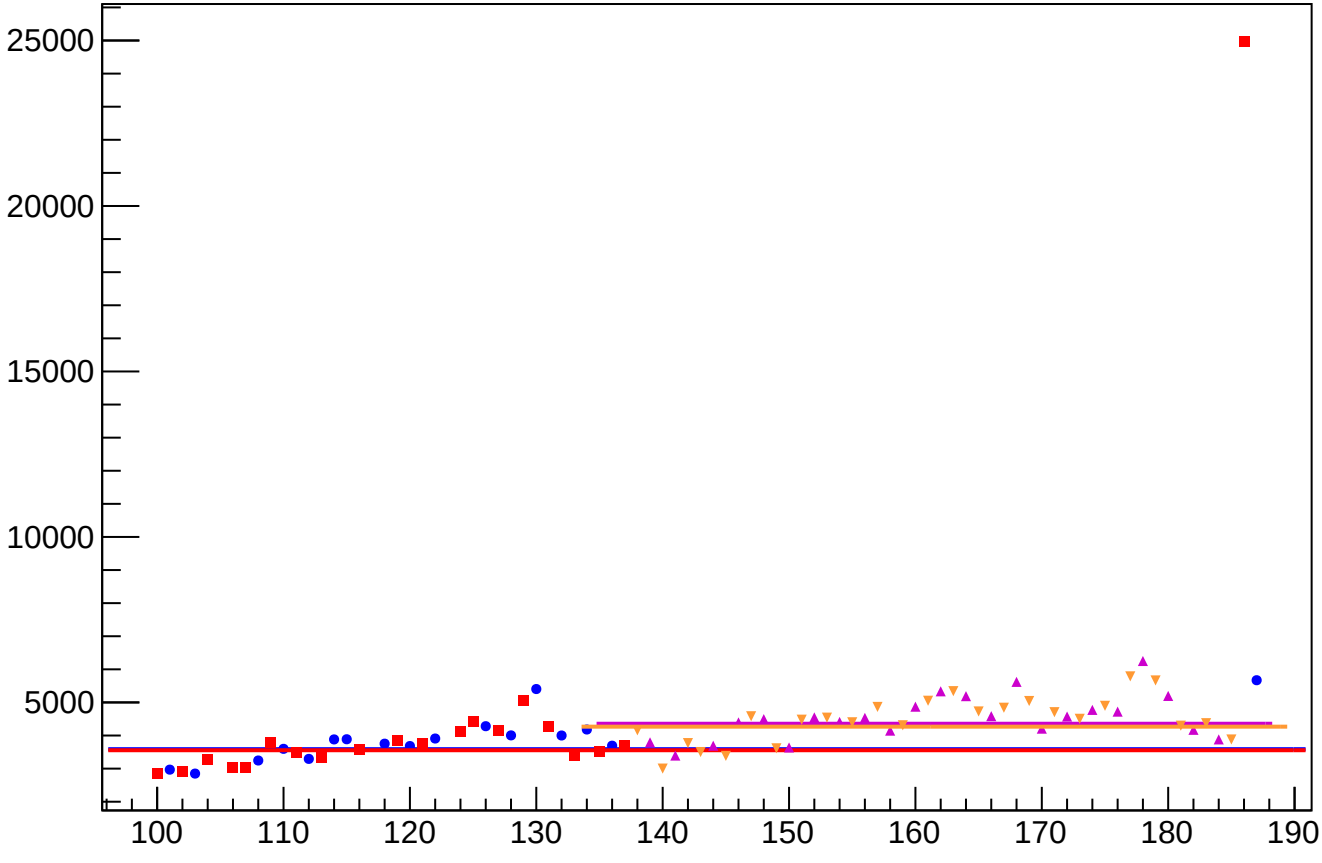
Right: 2.762+/-0.934 χ^2/NDF: 40.1/36

In: 1.180+/-0.817 χ^2/NDF:50.1/39

Out: -0.087+/-0.787 χ^2/NDF:47.6/44

All: 0.523+/-0.567 χ^2/NDF: 98.9/84

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3587.596+/-0.946 χ^2/NDF: 390990.6/16

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3555.669+/-0.922 χ^2/NDF: 870490.1/19

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

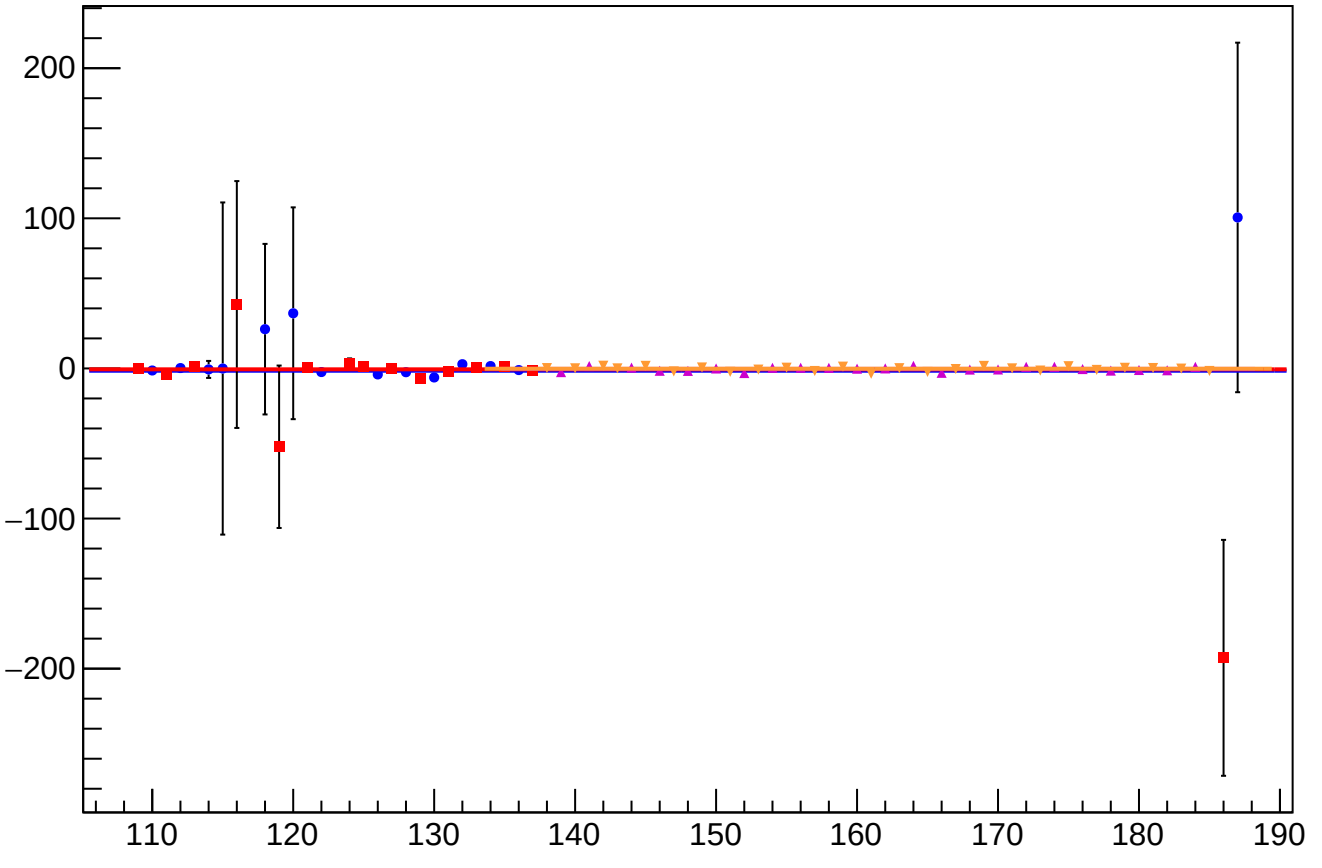
Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

Right: 3571.210+/-0.660 χ^2/NDF: 1262064.8/36

In: 4069.805+/-0.578 χ^2/NDF:1547630.4/39

Out: 4008.081+/-0.557 χ^2/NDF:2284372.6/44

All: 4037.800+/-0.401 χ^2/NDF: 3837926.1/84



Right In: -1.532+/-0.733 χ^2/NDF: 11.9/13

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.604+/-0.717 χ^2/NDF: 18.7/14

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

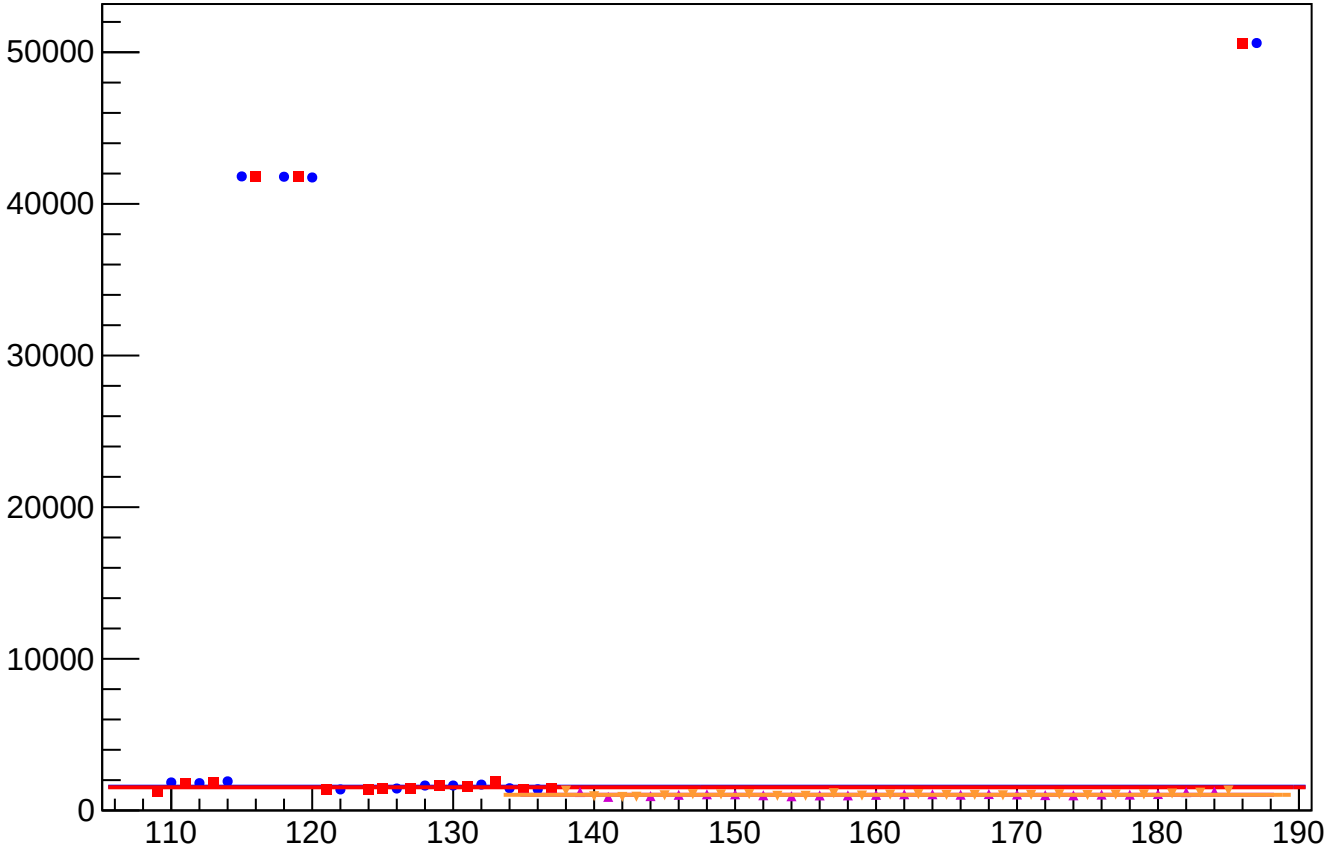
Right: -1.058+/-0.512 χ^2/NDF: 31.3/28

In: -0.451+/-0.230 χ^2/NDF:43.7/36

Out: -0.240+/-0.224 χ^2/NDF:52.9/39

All: -0.343+/-0.160 χ^2/NDF: 97.0/76

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1566.250+/-0.518 χ^2/NDF: 2371861.5/13

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1527.761+/-0.507 χ^2/NDF: 2518168.1/14

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

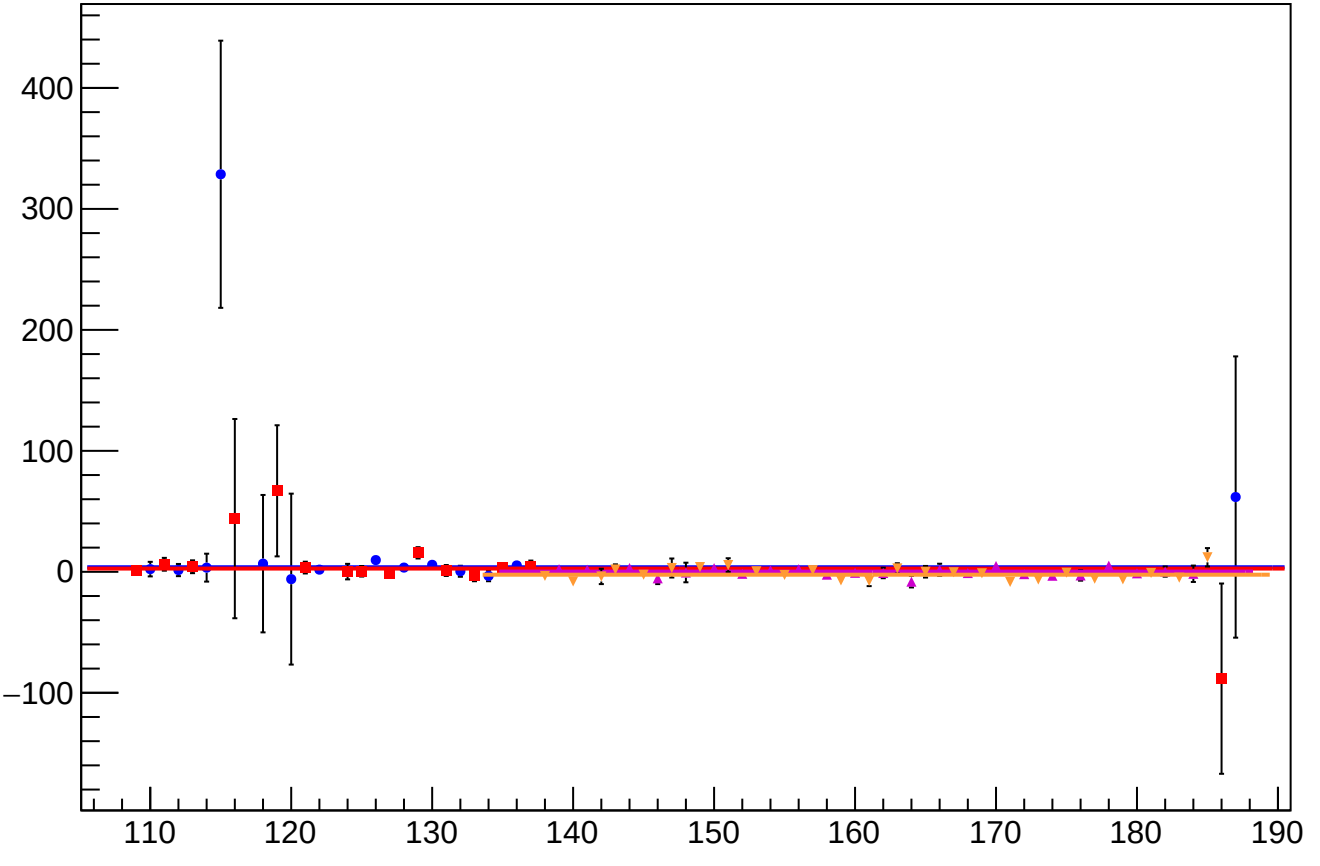
Right: 1546.590+/-0.362 χ^2/NDF: 4892848.4/28

In: 1085.256+/-0.163 χ^2/NDF:3515058.7/36

Out: 1079.792+/-0.158 χ^2/NDF:3627017.7/39

All: 1082.449+/-0.113 χ^2/NDF: 7142656.5/76

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.783+/-1.248 χ^2/NDF: 15.4/13

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 2.687+/-1.211 χ^2/NDF: 15.0/14

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

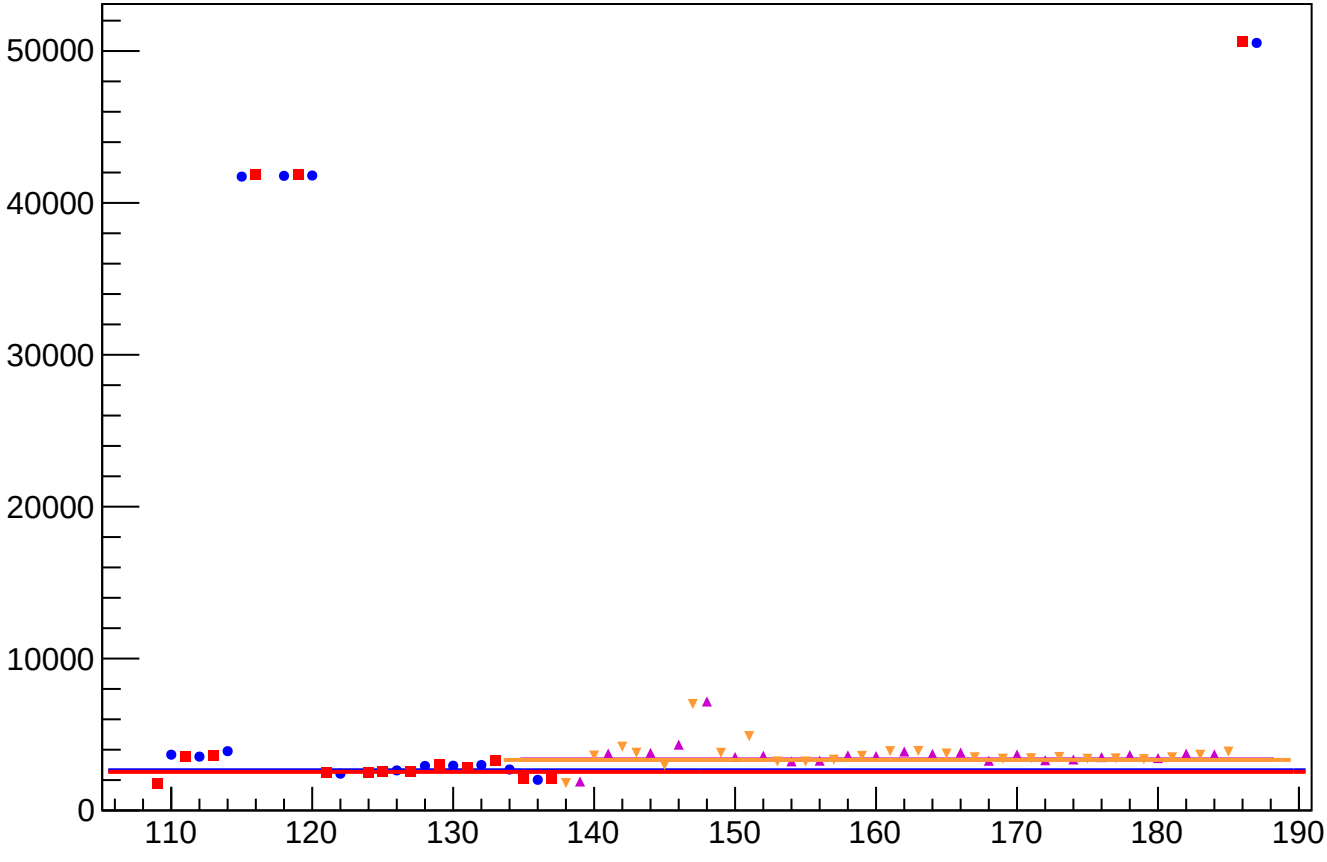
Right: 3.219+/-0.869 χ^2/NDF: 30.8/28

In: 1.241+/-0.679 χ^2/NDF:34.0/36

Out: -0.888+/-0.657 χ^2/NDF:51.6/39

All: 0.141+/-0.472 χ^2/NDF: 90.7/76

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2645.465+/-0.883 χ^2/NDF: 2512785.4/13

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2540.410+/-0.856 χ^2/NDF: 2696795.3/14

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

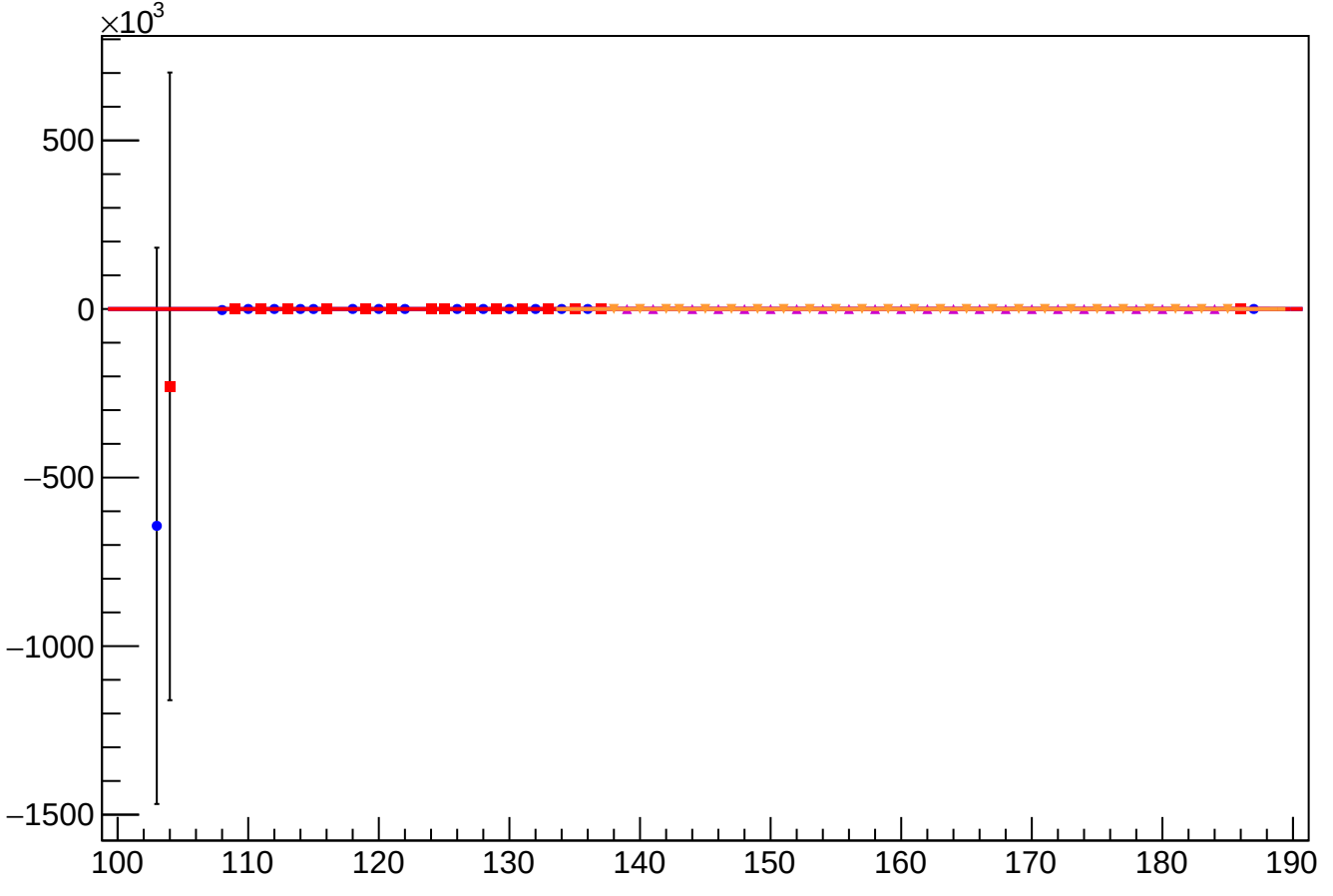
Right: 2591.337+/-0.615 χ^2/NDF: 5216879.5/28

In: 3148.983+/-0.480 χ^2/NDF:4624499.1/36

Out: 3096.309+/-0.465 χ^2/NDF:5209863.9/39

All: 3121.767+/-0.334 χ^2/NDF: 9840577.2/76

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.212+/-1.125 χ^2/NDF: 18.8/15

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.633+/-1.211 χ^2/NDF: 19.0/15

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

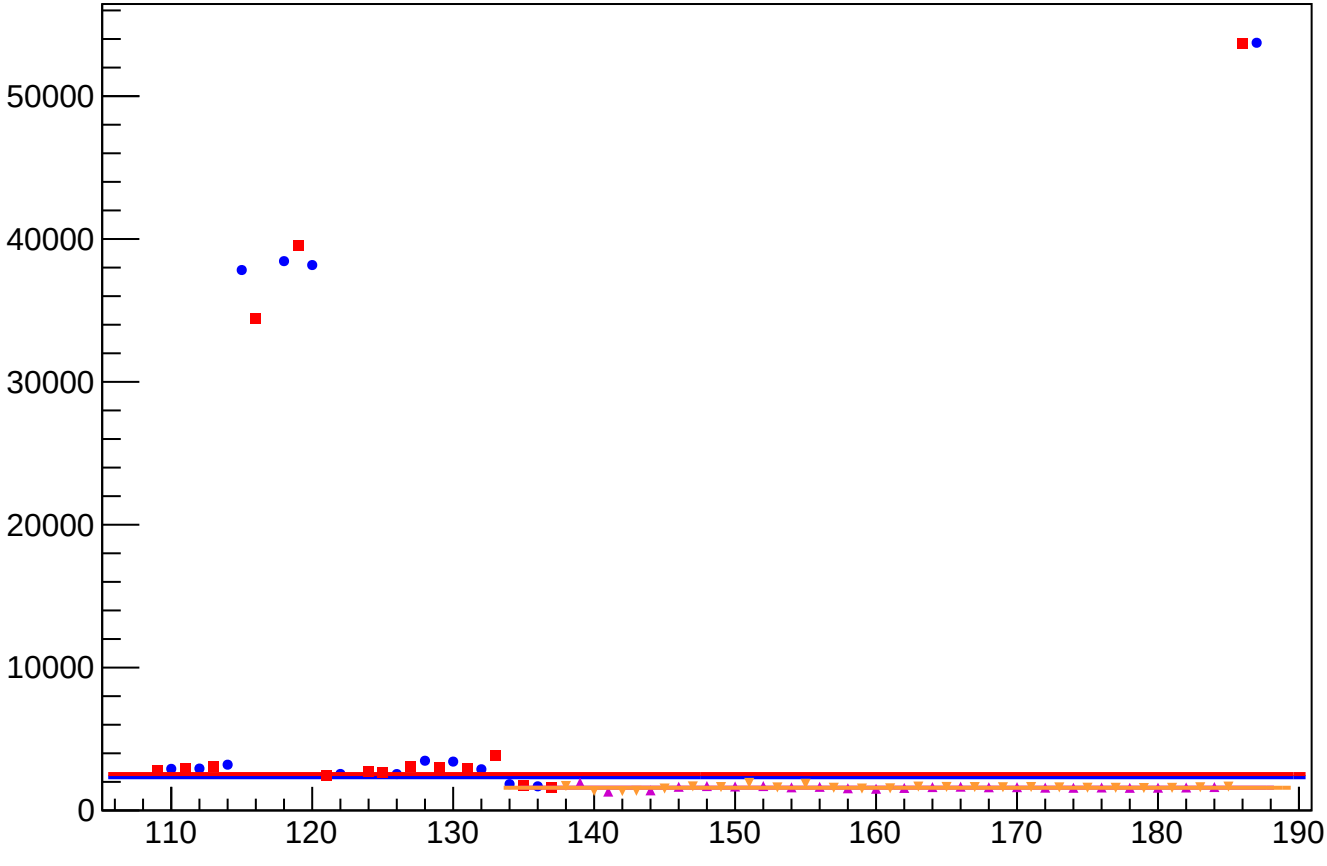
Right: 0.569+/-0.824 χ^2/NDF: 43.2/31

In: -0.137+/-0.355 χ^2/NDF:47.2/38

Out: -1.226+/-0.348 χ^2/NDF:80.3/40

All: -0.693+/-0.248 χ^2/NDF: 132.3/79

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2324.705+/-0.796 χ^2/NDF: 2807360.9/13

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2548.389+/-0.856 χ^2/NDF: 2789287.7/14

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

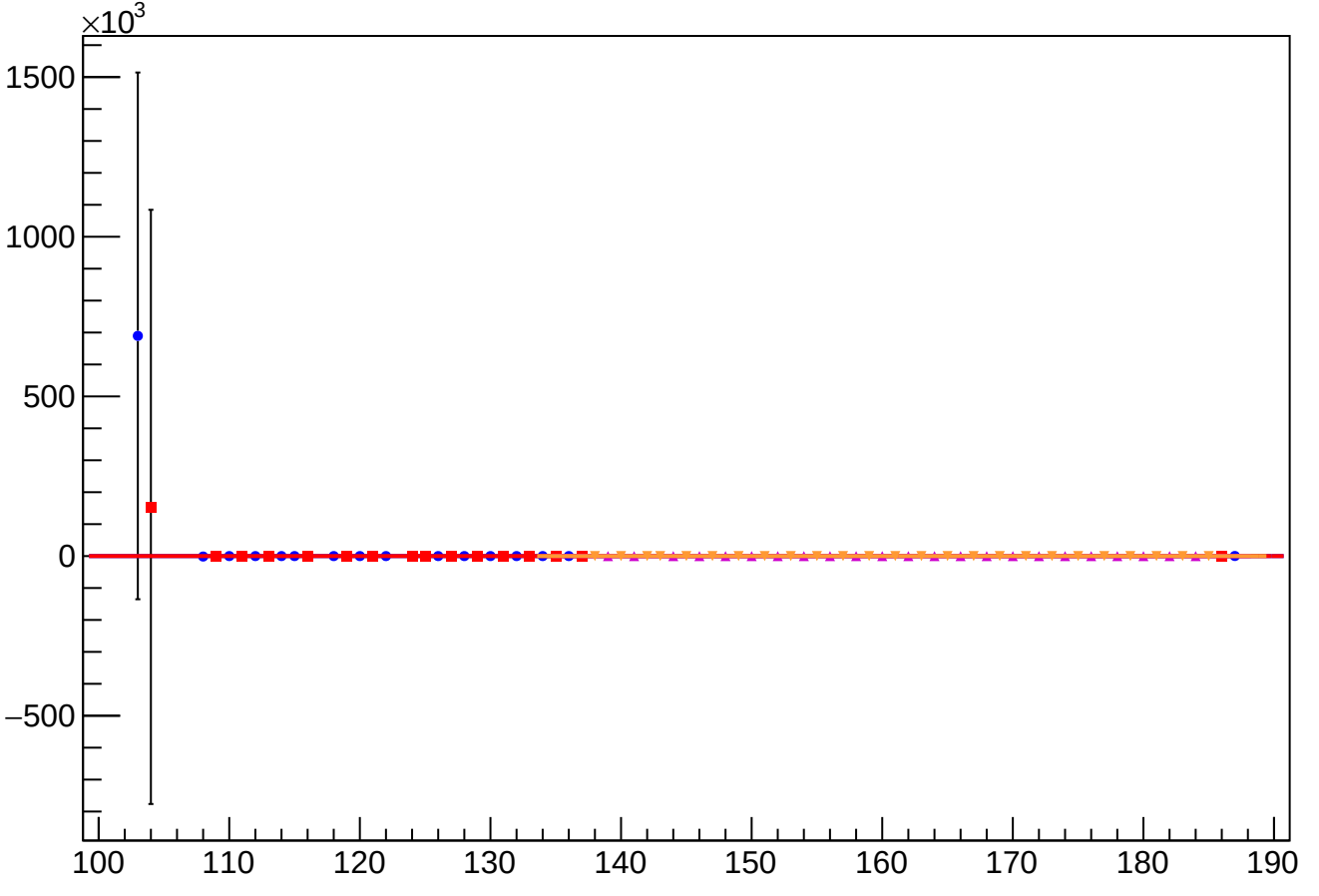
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2428.346+/-0.583 χ^2/NDF: 5633268.2/28

In: 1668.812+/-0.251 χ^2/NDF:3758987.3/36

Out: 1668.505+/-0.246 χ^2/NDF:4172444.5/39

All: 1668.655+/-0.176 χ^2/NDF: 7931432.6/76



Right In: 1.726+/-1.076 χ^2/NDF: 9.1/15

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 1.883+/-1.052 χ^2/NDF: 15.9/15

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

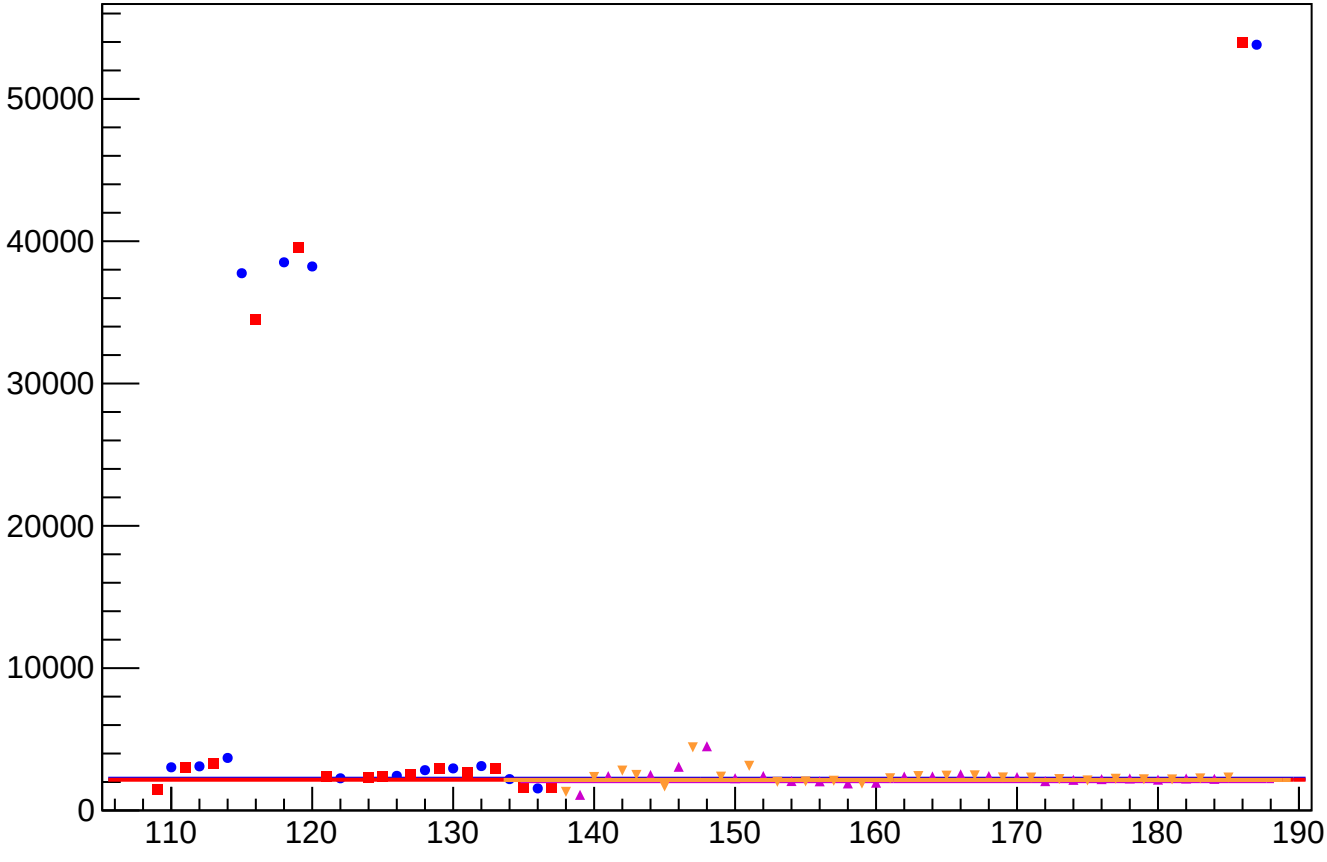
Right: 1.807+/-0.752 χ^2/NDF: 24.9/31

In: 0.205+/-0.454 χ^2/NDF:28.4/38

Out: -0.610+/-0.453 χ^2/NDF:47.2/40

All: -0.203+/-0.321 χ^2/NDF: 77.2/79

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2230.844+/-0.761 χ^2/NDF: 2869499.1/13

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 2158.985+/-0.744 χ^2/NDF: 2994256.5/14

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

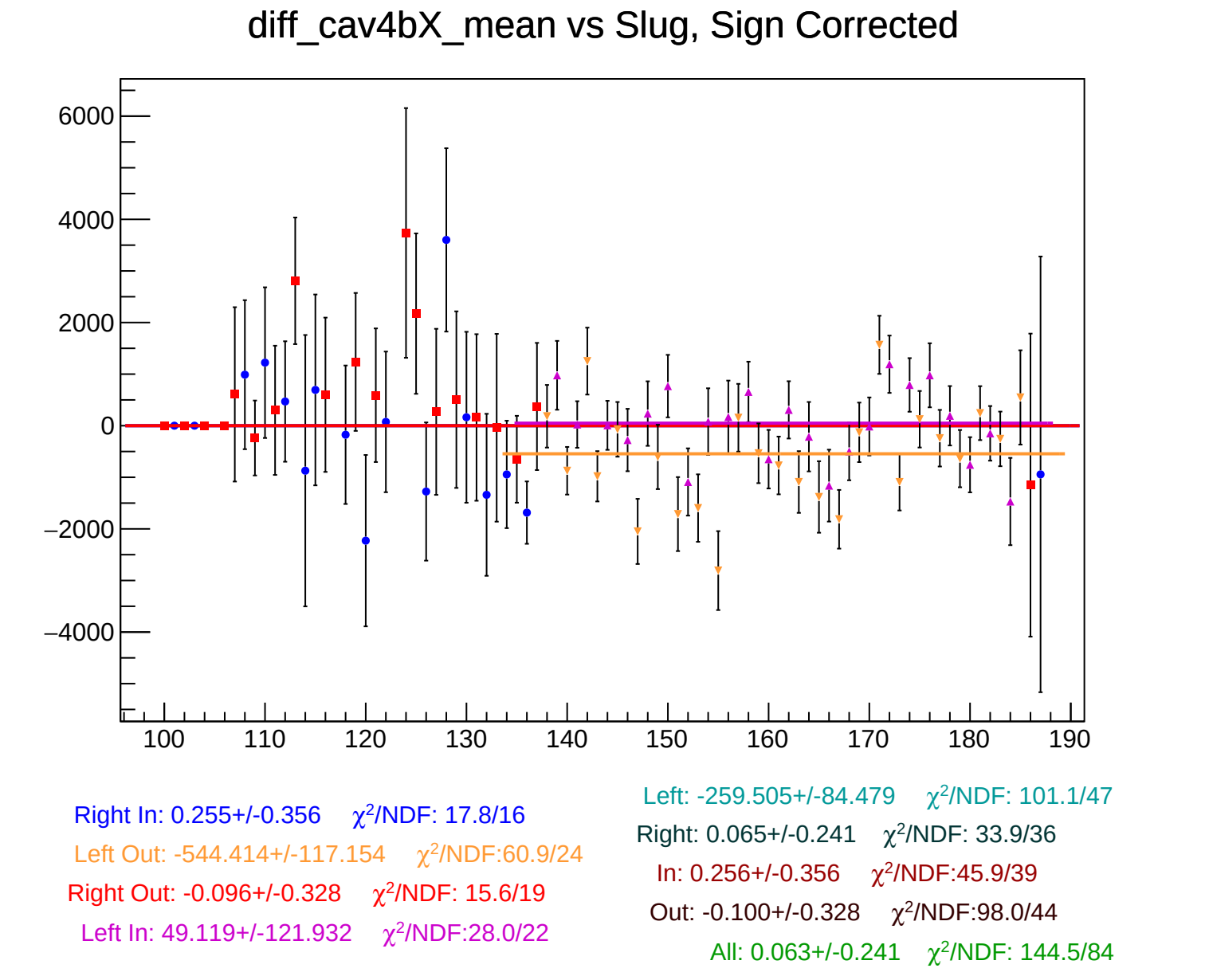
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

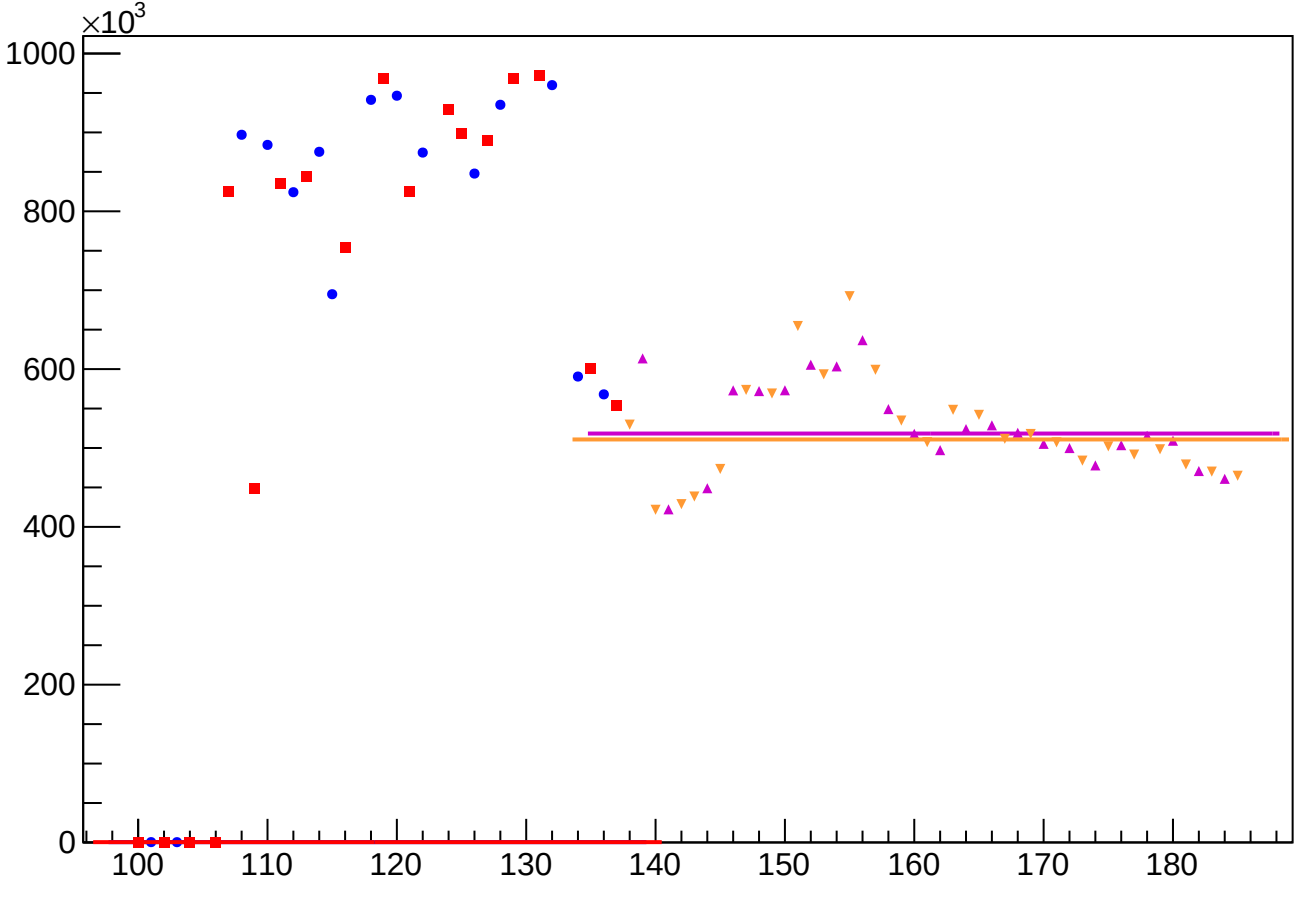
Right: 2194.081+/-0.532 χ^2/NDF: 5868316.2/28

In: 2088.982+/-0.321 χ^2/NDF:5205377.7/36

Out: 2142.916+/-0.321 χ^2/NDF:4474830.5/39

All: 2116.010+/-0.227 χ^2/NDF: 9694328.3/76


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: 0.255+/-0.356 χ²/NDF: 17.8/16
Left Out: -544.414+/-117.154 χ²/NDF:60.9/24
Right Out: -0.096+/-0.328 χ²/NDF: 15.6/19
Left In: 49.119+/-121.932 χ²/NDF:28.0/22
Left: -259.505+/-84.479 χ²/NDF: 101.1/47
Right: 0.065+/-0.241 χ²/NDF: 33.9/36
In: 0.256+/-0.356 χ²/NDF:45.9/39
Out: -0.100+/-0.328 χ²/NDF:98.0/44
All: 0.063+/-0.241 χ²/NDF: 144.5/84



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

Left: 514412.615+/-59.736 χ^2/NDF: 913427.9/47

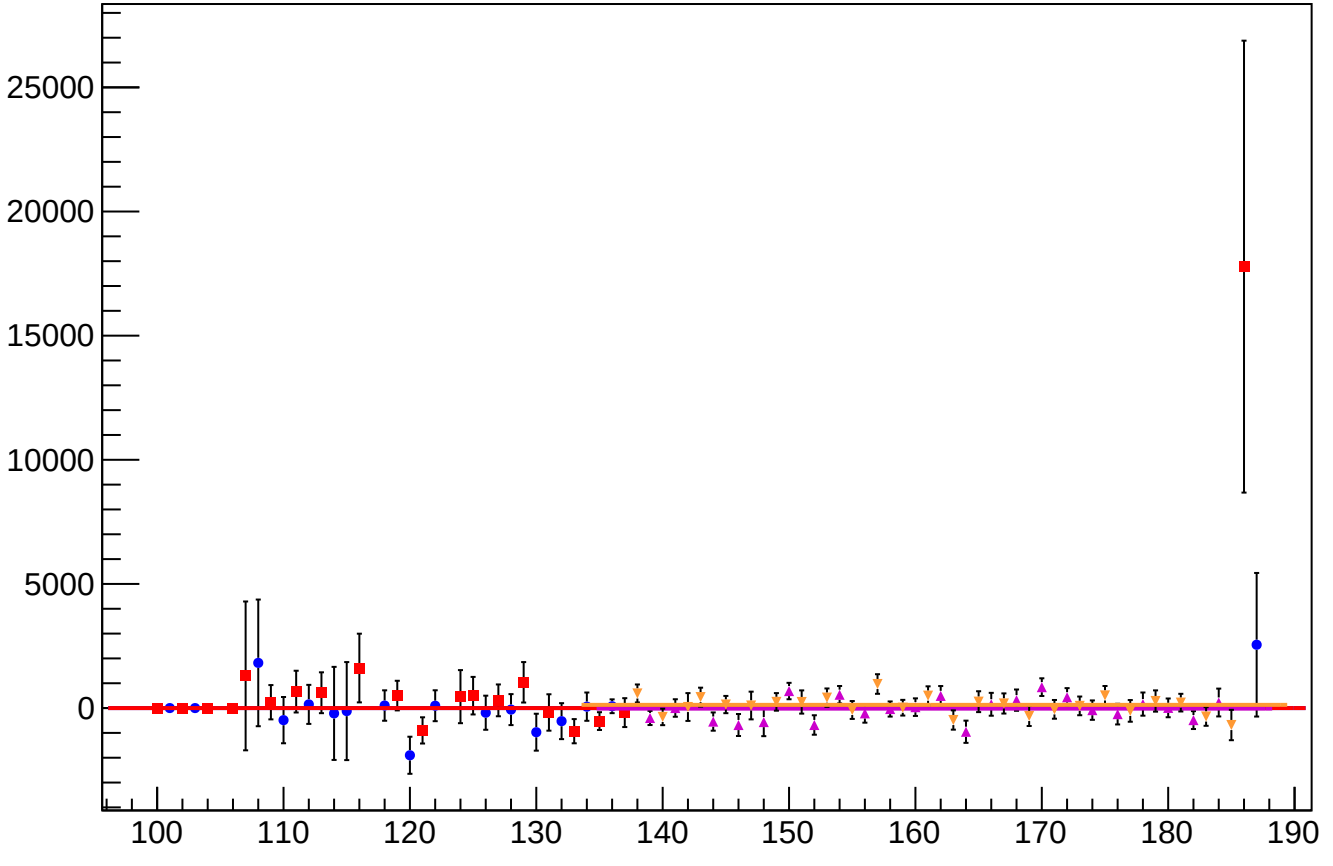
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 403.287+/-0.251 χ^2/NDF:44974797.4/37

Out: 397.235+/-0.232 χ^2/NDF:46121298.2/42

All: 400.015+/-0.170 χ^2/NDF: 91096408.7/80

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 11.2/16

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 18.8/19

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

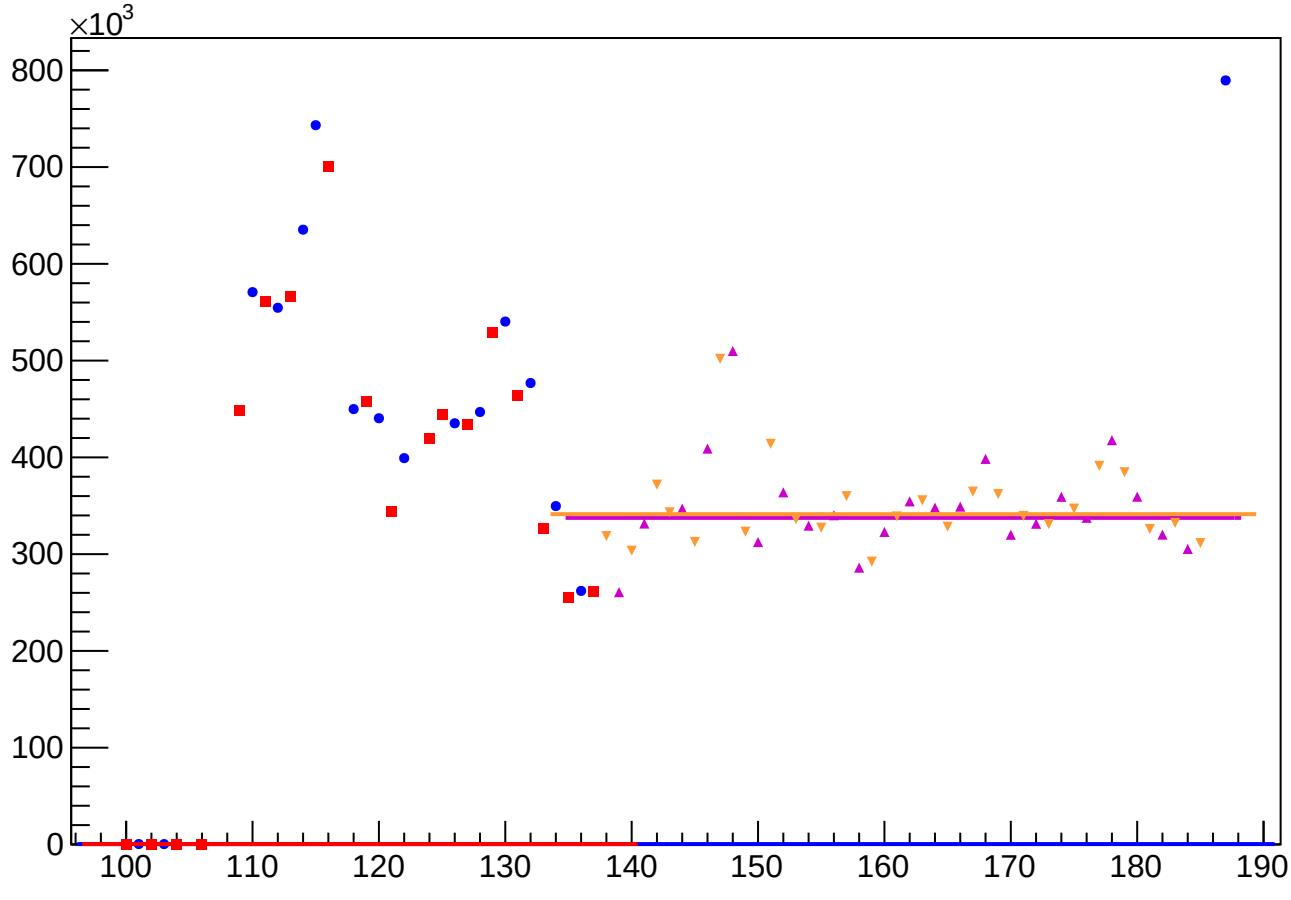
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 31.5/36

In: -0.021+/-0.347 χ^2/NDF:45.0/39

Out: -0.596+/-0.324 χ^2/NDF:41.7/44

All: -0.329+/-0.237 χ^2/NDF: 88.1/84



Right In: 390.278+/-0.245 χ^2/NDF: 11168648.3/15

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

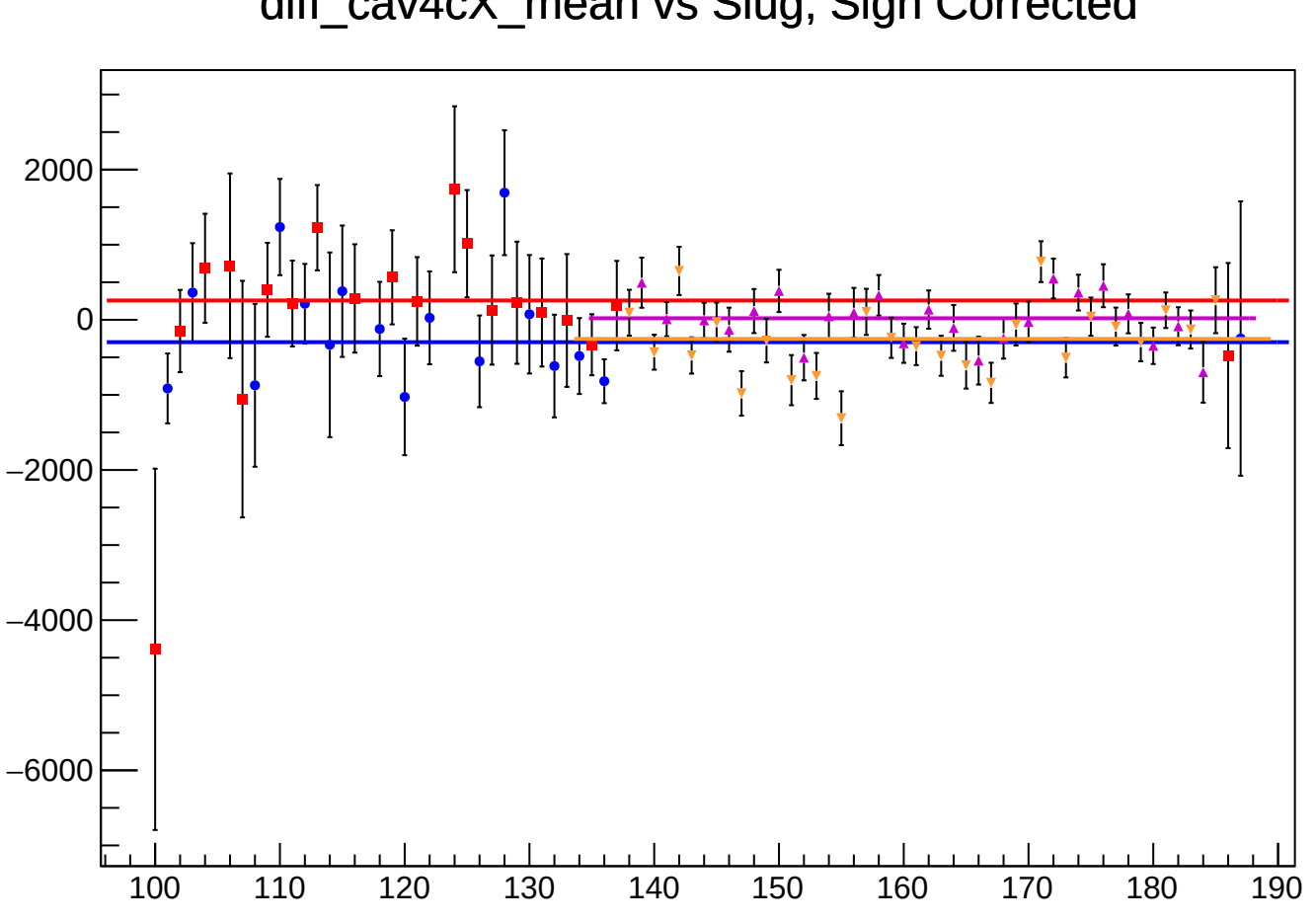
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

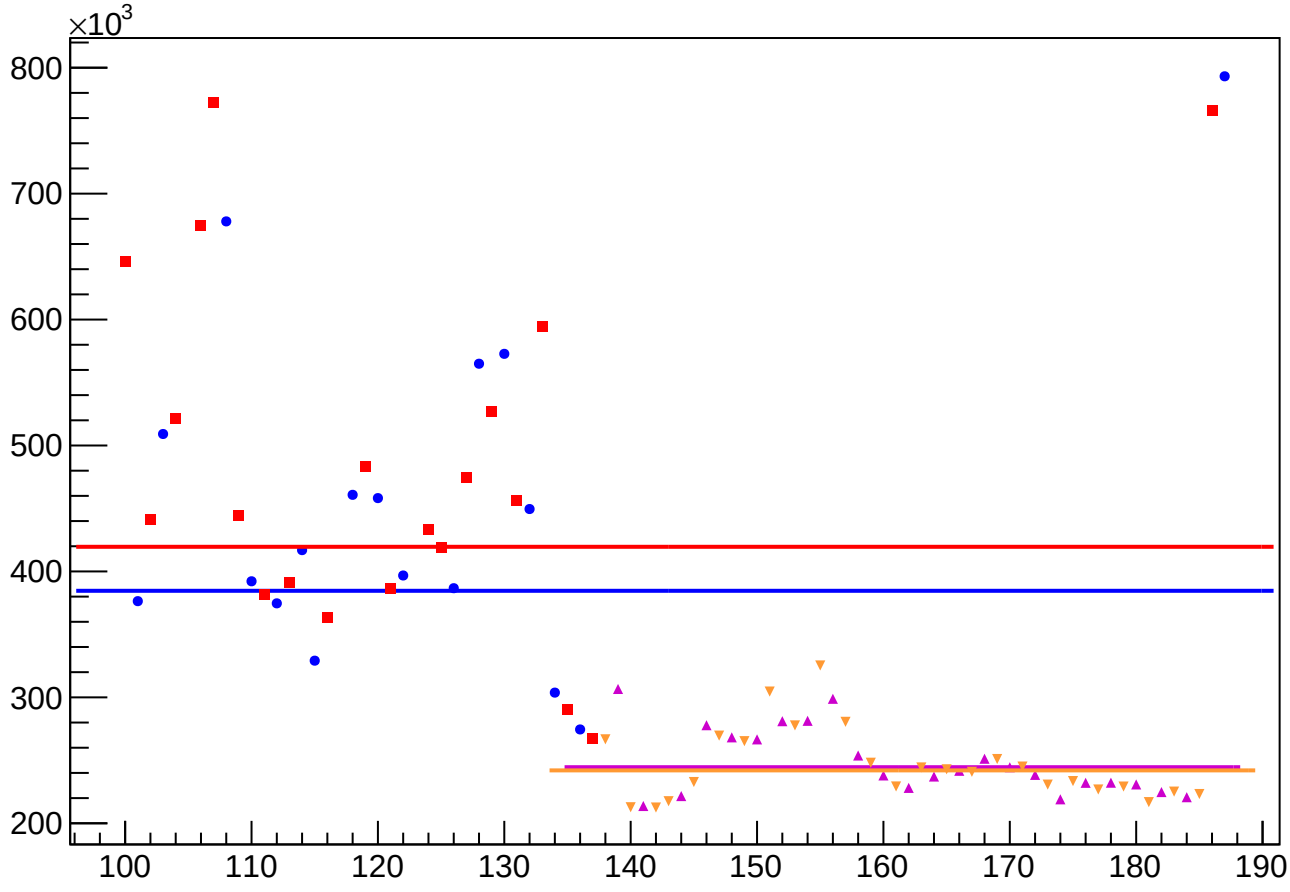
Right: 389.052+/-0.167 χ^2/NDF: 22242997.4/33

In: 396.661+/-0.245 χ^2/NDF:47487268.3/38

Out: 393.822+/-0.229 χ^2/NDF:49445820.2/42

All: 395.143+/-0.167 χ^2/NDF: 96933160.1/81


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
190
Right In: -297.948+/-146.890 χ²/NDF: 21.2/16
Left Out: -254.371+/-55.417 χ²/NDF:61.3/24
Right Out: 257.063+/-155.334 χ²/NDF: 14.2/19
Left In: 20.176+/-57.484 χ²/NDF:28.6/22
Left: -122.121+/-39.897 χ²/NDF: 101.7/47
Right: -35.937+/-106.727 χ²/NDF: 42.1/36
In: -22.074+/-53.531 χ²/NDF:53.8/39
Out: -196.625+/-52.195 χ²/NDF:85.1/44
All: -111.554+/-37.371 χ²/NDF: 144.4/84



Right In: 384619.360+/-103.886 χ^2/NDF: 937098.9/16

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 419562.794+/-109.928 χ^2/NDF: 908583.3/19

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

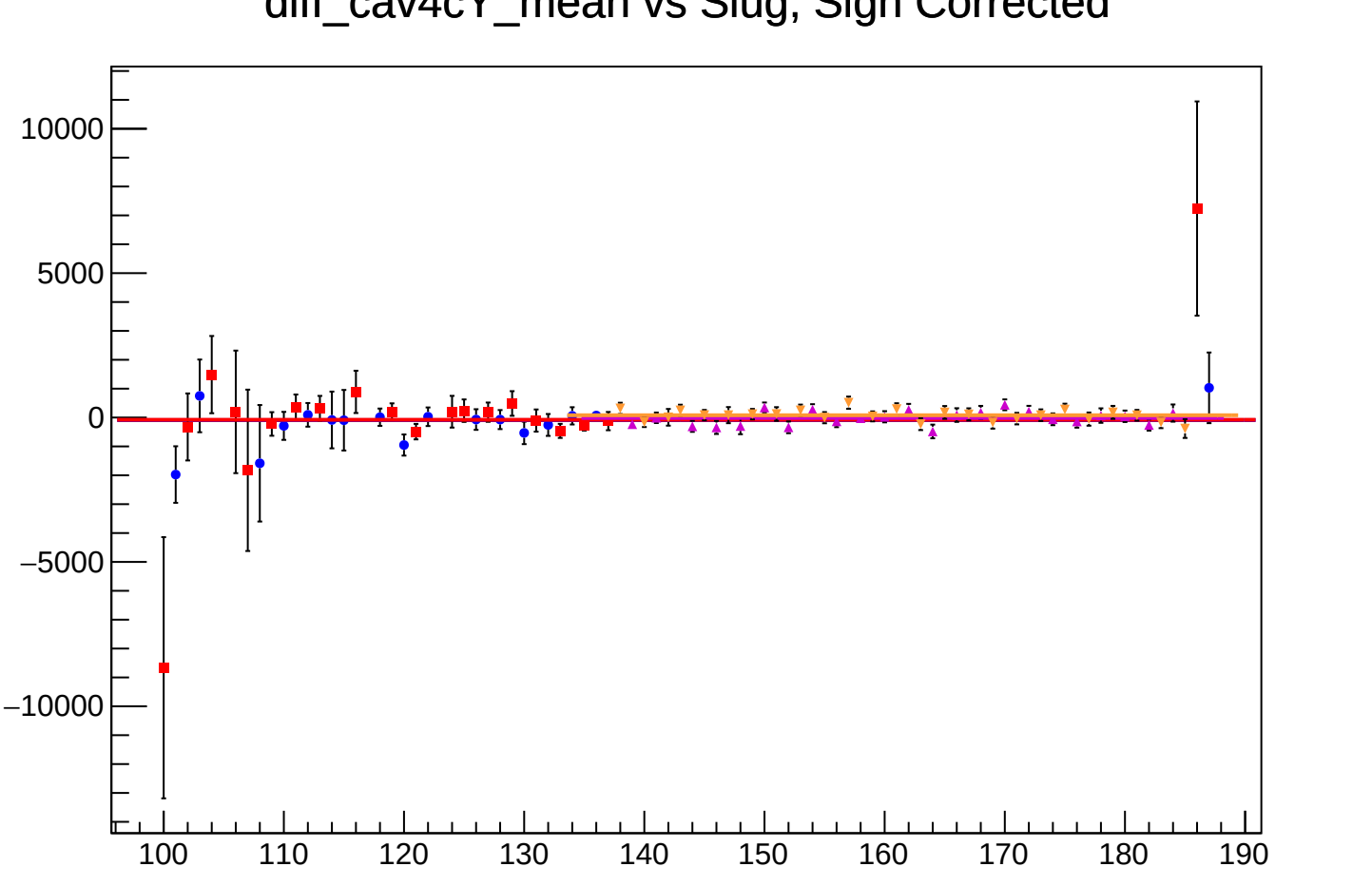
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 401104.358+/-75.504 χ^2/NDF: 1899057.9/36

In: 263140.108+/-37.853 χ^2/NDF:2875355.1/39

Out: 262026.988+/-36.911 χ^2/NDF:3636509.8/44

All: 262569.527+/-26.427 χ^2/NDF: 6512308.



Right In: -90.026+/-88.038 χ^2/NDF: 14.5/16

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -78.697+/-87.292 χ^2/NDF: 23.0/19

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

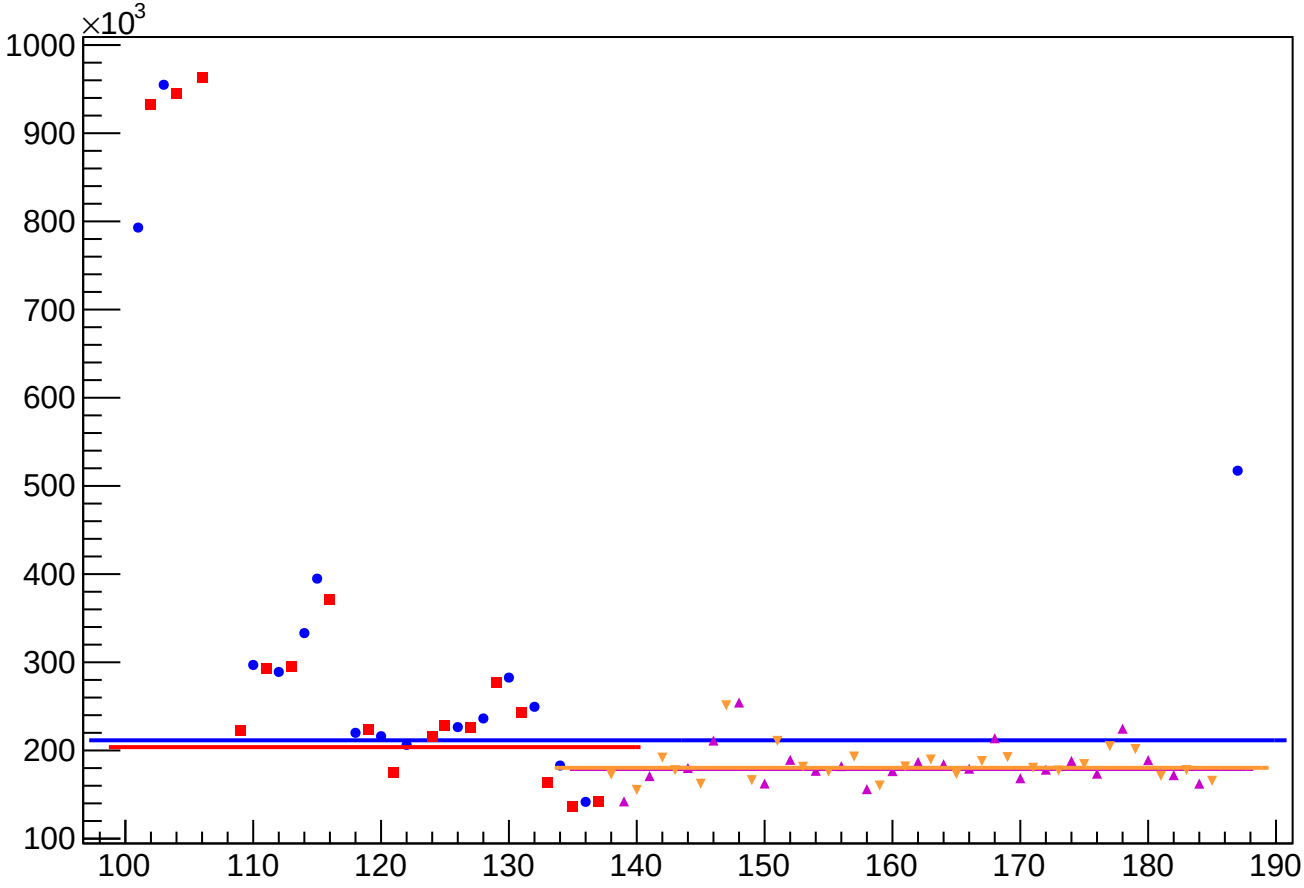
Right: -84.313+/-61.987 χ^2/NDF: 37.5/36

In: -28.248+/-38.078 χ^2/NDF:48.3/39

Out: 50.560+/-37.333 χ^2/NDF:45.4/44

All: 11.935+/-26.658 χ^2/NDF: 95.9/84

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 211526.441+/-62.360 χ^2/NDF: 2085481.4/15

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

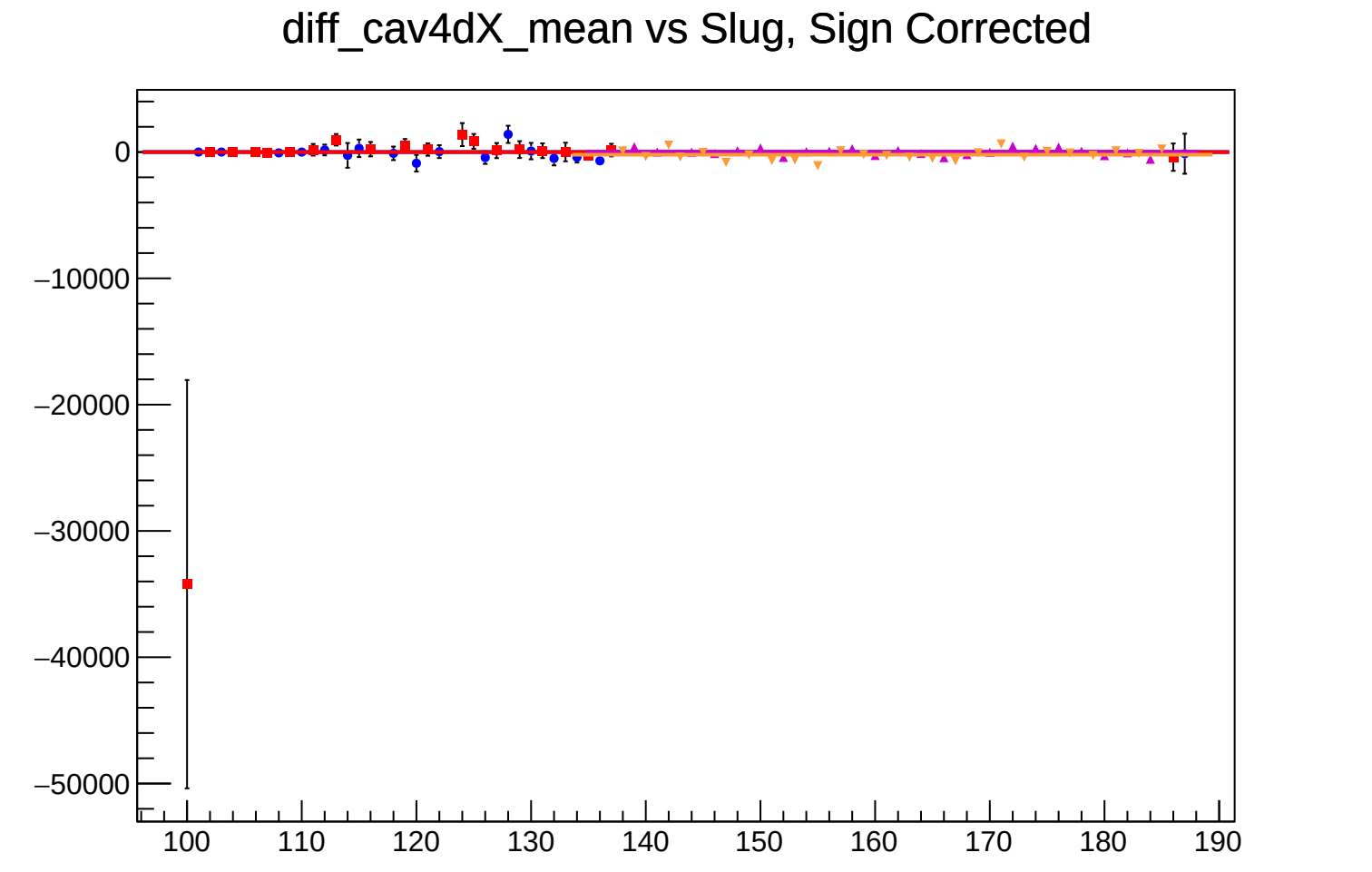
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 207630.947+/-43.930 χ^2/NDF: 4163706.0/32

In: 185087.502+/-26.934 χ^2/NDF:2807857.7/38

Out: 184612.949+/-26.412 χ^2/NDF:2534484.9/41

All: 184845.577+/-18.858 χ^2/NDF: 5342500.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/16

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 16.6/19

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

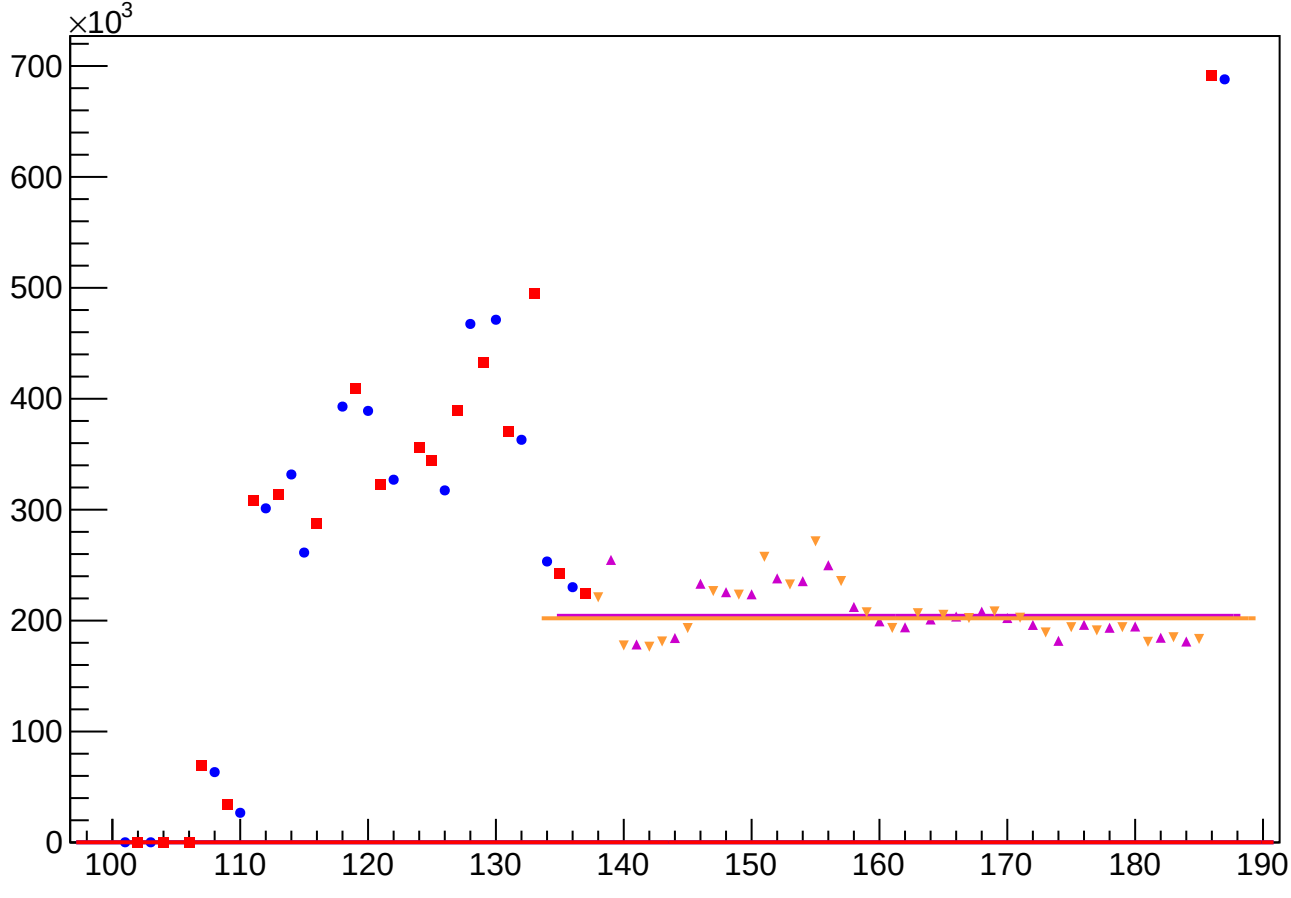
Right: 0.174+/-0.117 χ^2/NDF: 37.5/36

In: -0.035+/-0.172 χ^2/NDF:46.9/39

Out: 0.353+/-0.160 χ^2/NDF:98.5/44

All: 0.173+/-0.117 χ^2/NDF: 148.1/84

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 149.100+/-0.122 χ^2/NDF: 11678889.8/16

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.394+/-0.113 χ^2/NDF: 12104322.2/18

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

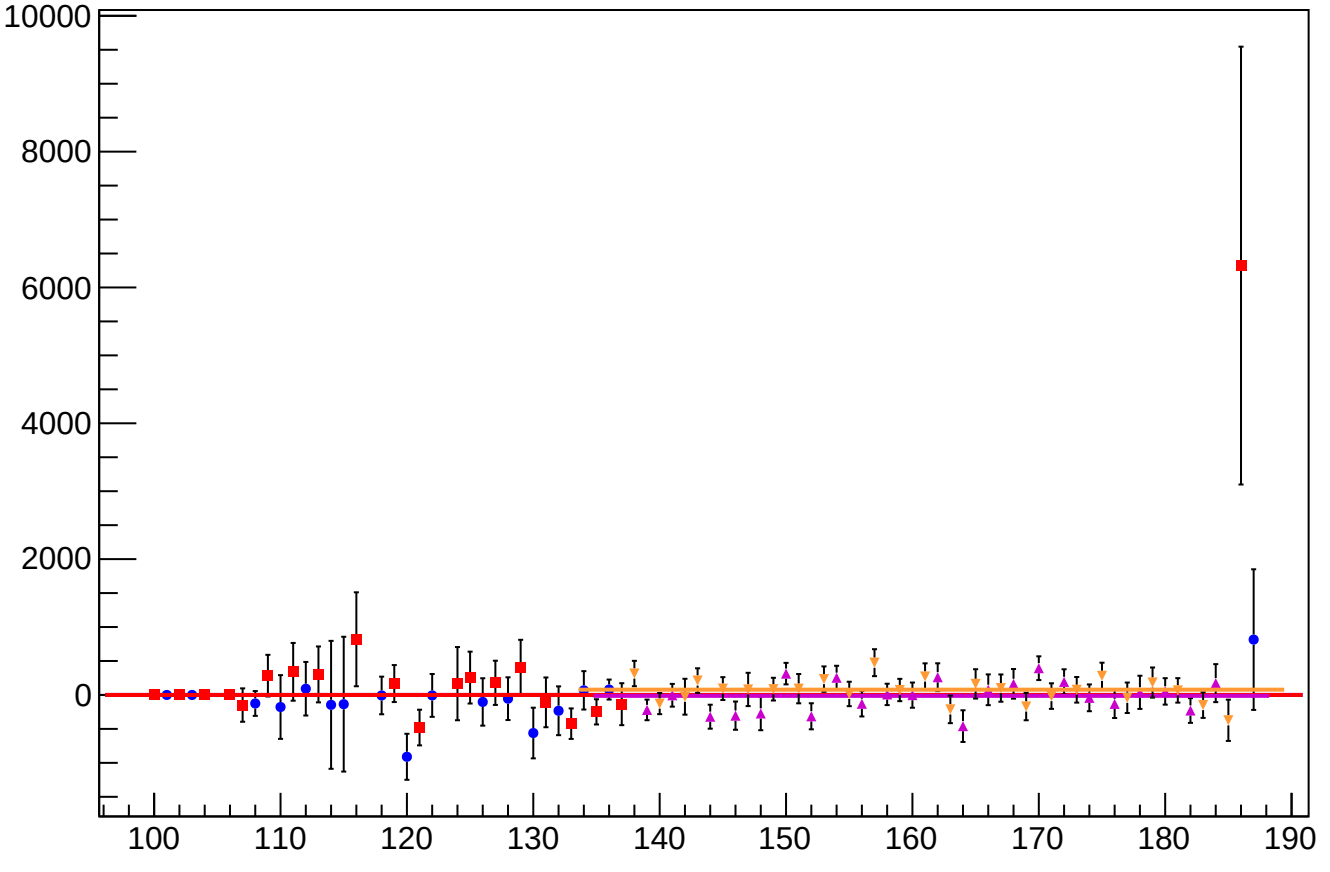
Right: 149.258+/-0.083 χ^2/NDF: 23783215.1/35

In: 151.726+/-0.122 χ^2/NDF:48181706.7/39

Out: 151.810+/-0.113 χ^2/NDF:50600153.7/43

All: 151.771+/-0.083 χ^2/NDF: 98781860.7/83

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.8/16

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 19.1/19

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

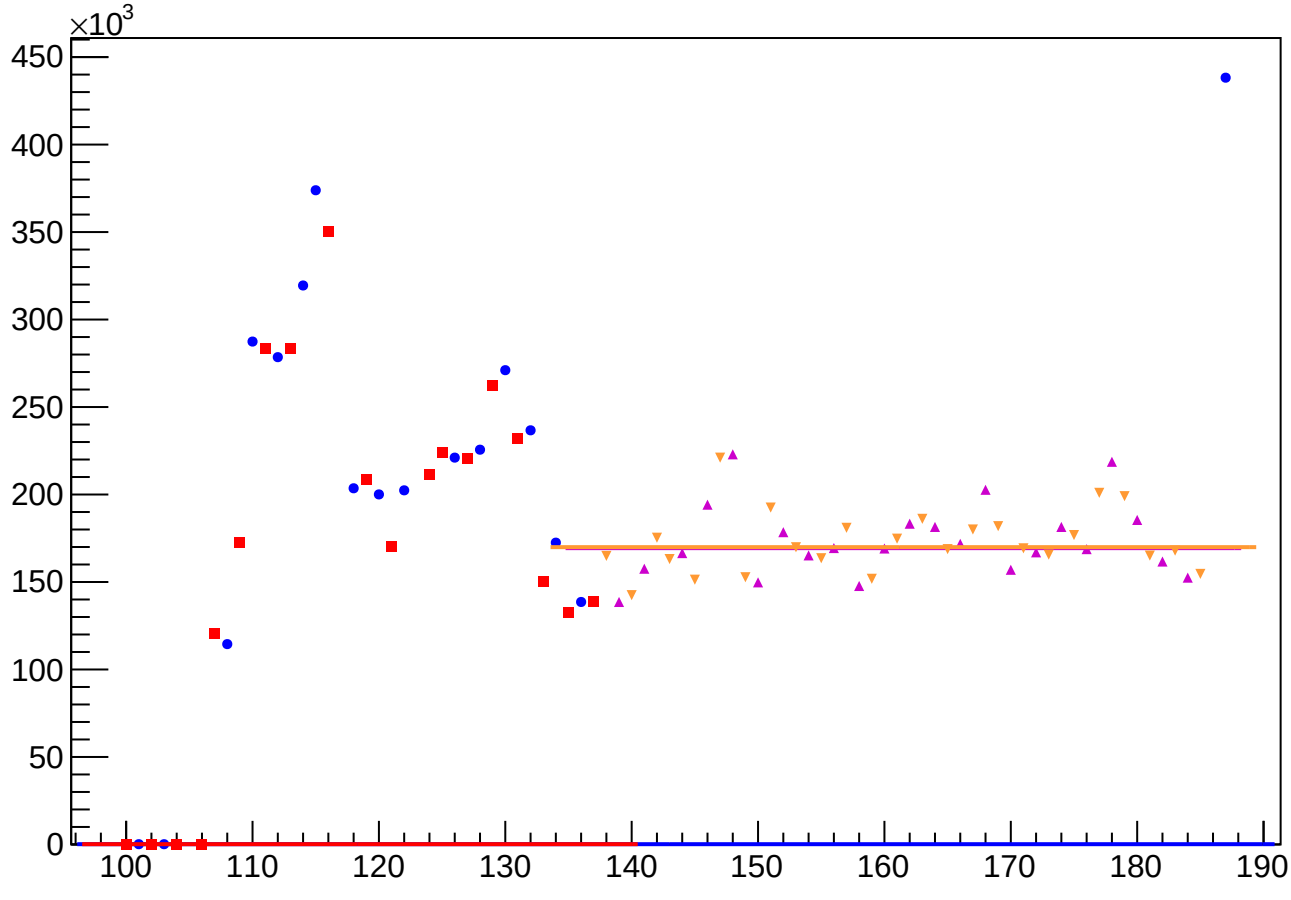
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 31.0/36

In: -0.068+/-0.177 χ^2/NDF:44.6/39

Out: -0.125+/-0.166 χ^2/NDF:42.2/44

All: -0.098+/-0.121 χ^2/NDF: 86.8/84



Right In: 153.473+/-0.125 χ^2/NDF: 12263003.9/16

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

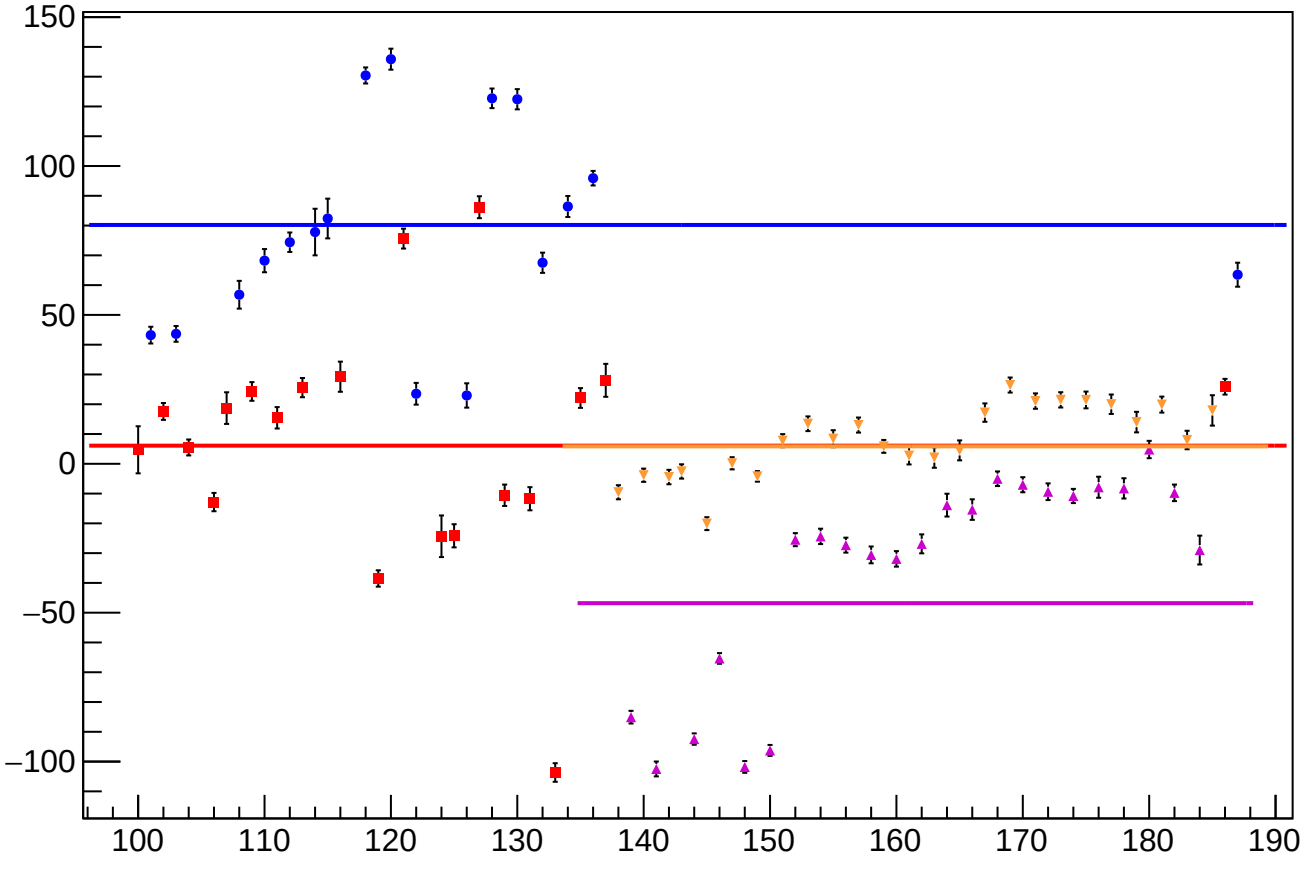
Right: 154.899+/-0.086 χ^2/NDF: 23594133.3/35

In: 156.806+/-0.125 χ^2/NDF:48649074.4/39

Out: 159.264+/-0.118 χ^2/NDF:49741898.0/43

All: 158.112+/-0.086 χ^2/NDF: 98391176.7/83

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.209+/-0.833 χ^2/NDF: 1831.8/16

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 6.092+/-0.783 χ^2/NDF: 2781.3/19

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

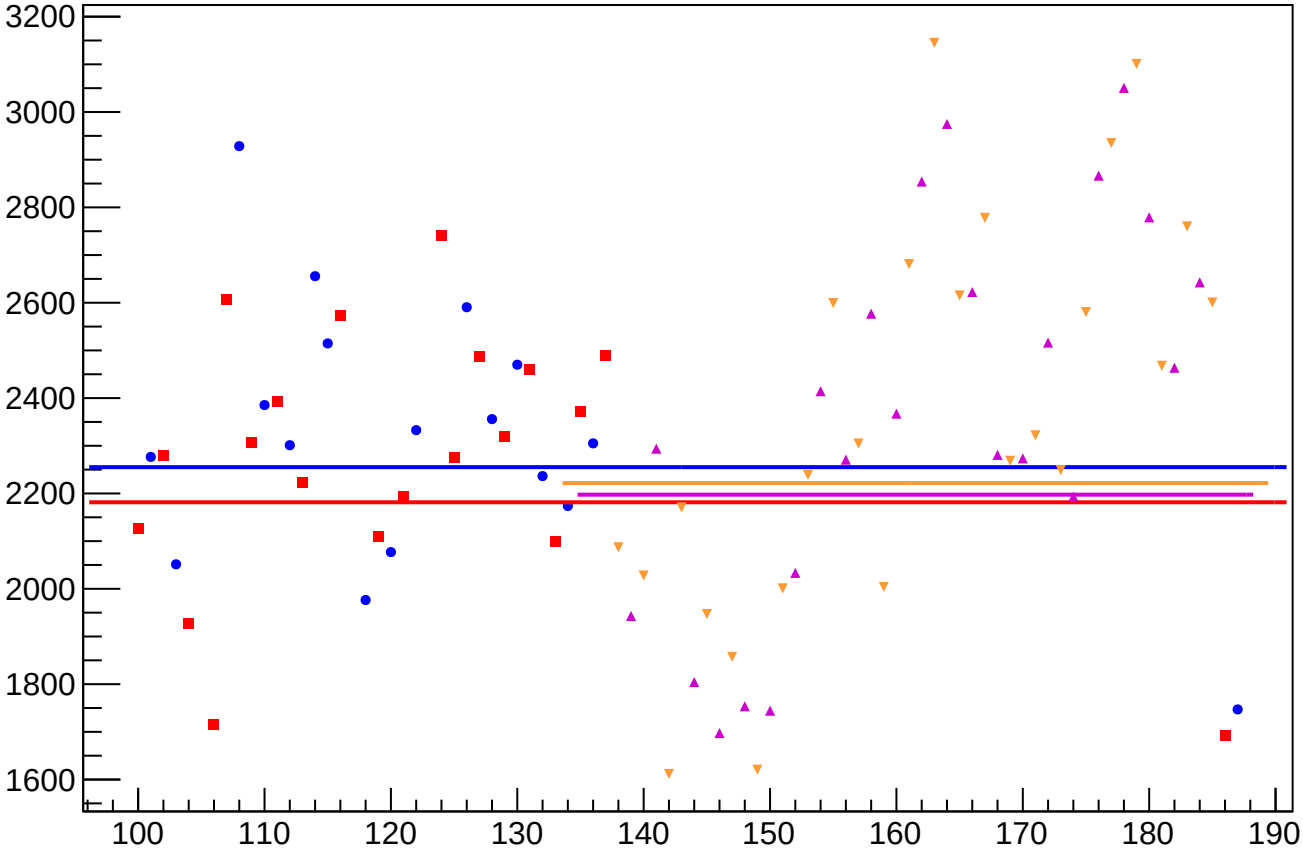
Right: 40.866+/-0.571 χ^2/NDF: 8814.9/36

In: -10.745+/-0.444 χ^2/NDF:23652.2/39

Out: 5.924+/-0.430 χ^2/NDF:3316.6/44

All: -2.141+/-0.309 χ^2/NDF: 27696.8/84

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2255.195+/-0.589 χ^2/NDF: 148970.5/16

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 2181.486+/-0.554 χ^2/NDF: 226434.1/19

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

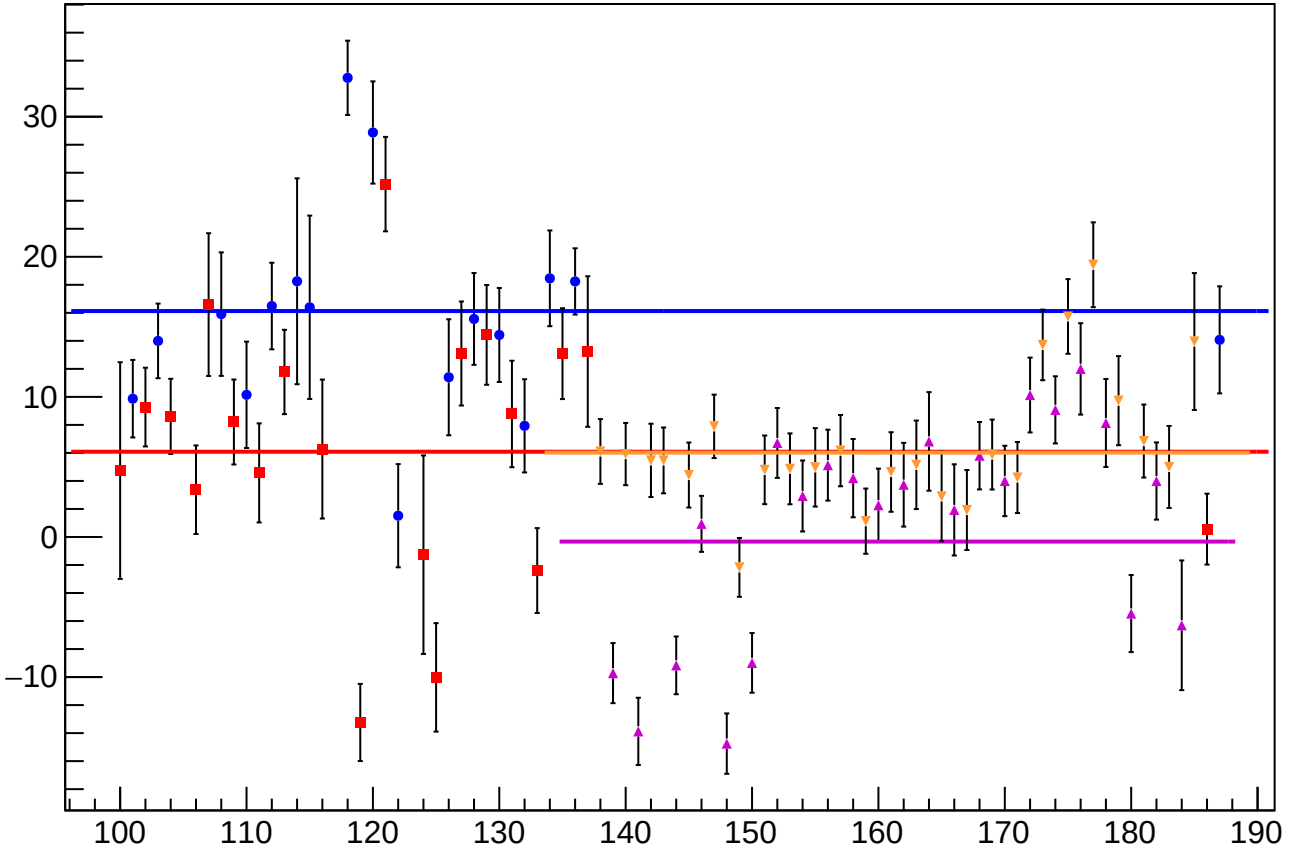
Right: 2216.068+/-0.403 χ^2/NDF: 383715.7/36

In: 2213.857+/-0.314 χ^2/NDF:1260510.5/39

Out: 2209.644+/-0.304 χ^2/NDF:1414175.9/44

All: 2211.682+/-0.218 χ^2/NDF: 2674779.4/84

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.127+/-0.818 χ^2/NDF: 84.8/16

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 6.087+/-0.771 χ^2/NDF: 139.8/19

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

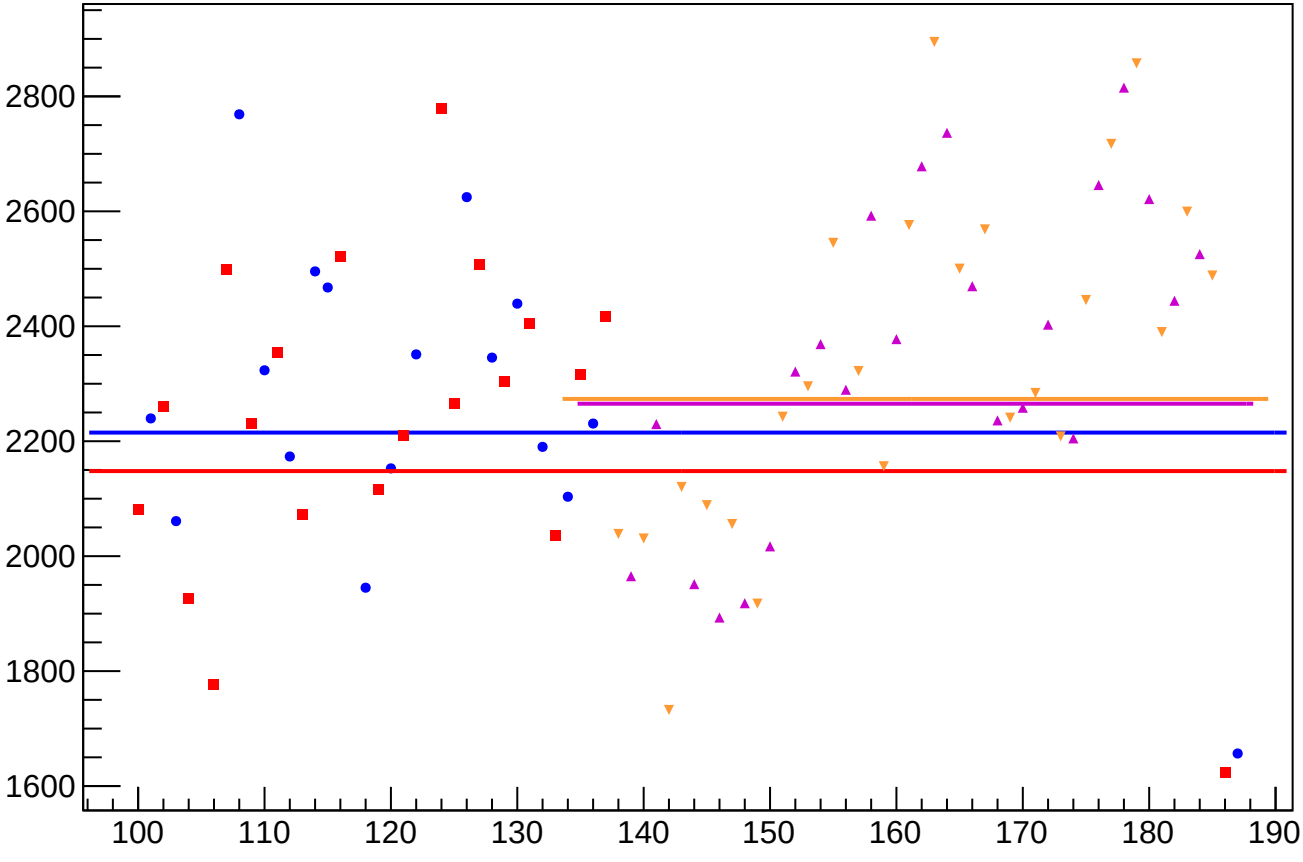
Right: 10.808+/-0.561 χ^2/NDF: 304.4/36

In: 4.594+/-0.448 χ^2/NDF:593.2/39

Out: 6.042+/-0.432 χ^2/NDF:211.6/44

All: 5.345+/-0.311 χ^2/NDF: 810.2/84

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2215.024+/-0.579 χ^2/NDF: 147015.9/16

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 2148.048+/-0.545 χ^2/NDF: 224744.7/19

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

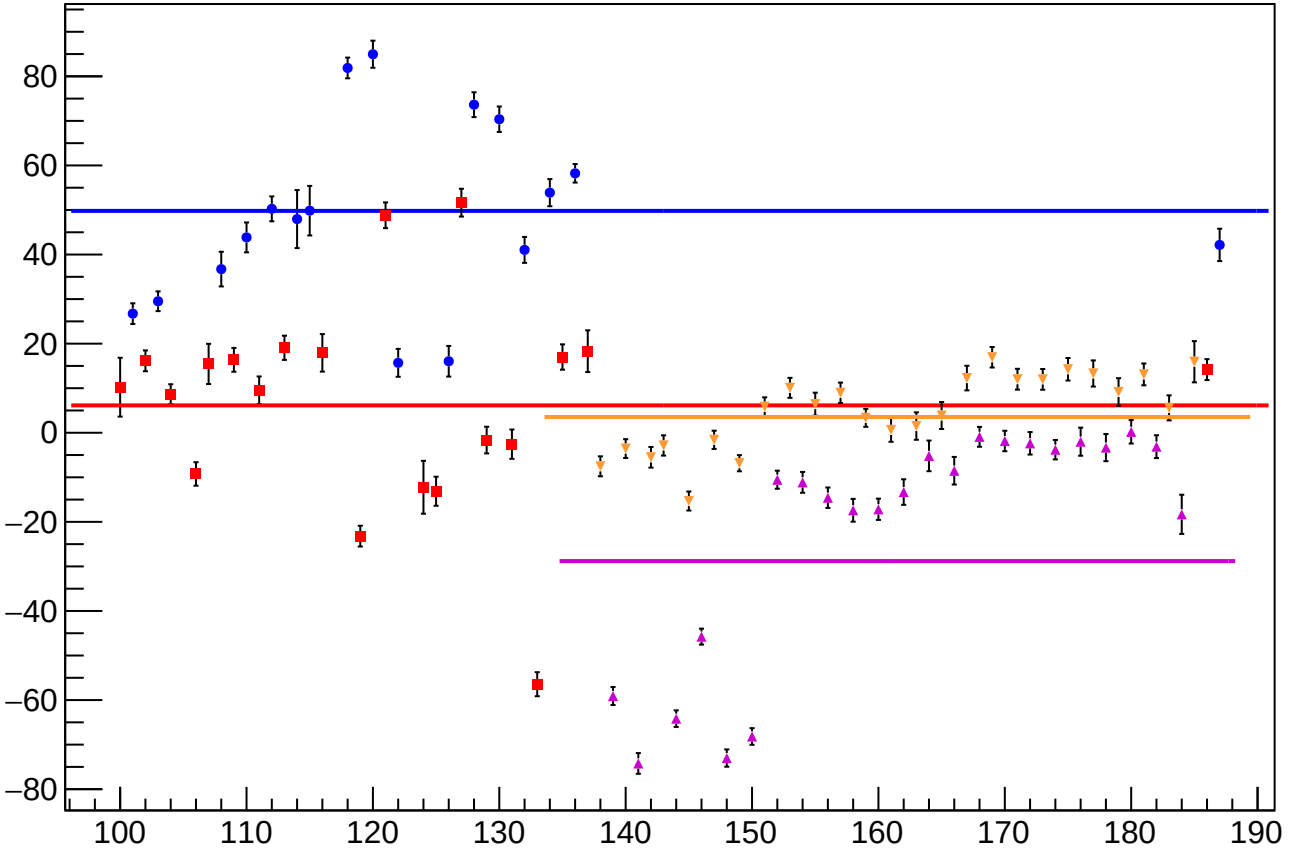
Right: 2179.543+/-0.397 χ^2/NDF: 378860.6/36

In: 2250.228+/-0.316 χ^2/NDF:648115.9/39

Out: 2234.257+/-0.305 χ^2/NDF:798018.4/44

All: 2241.952+/-0.220 χ^2/NDF: 1447454.3/84

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 49.800+/-0.708 χ^2/NDF: 893.1/16

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 6.145+/-0.666 χ^2/NDF: 1324.3/19

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

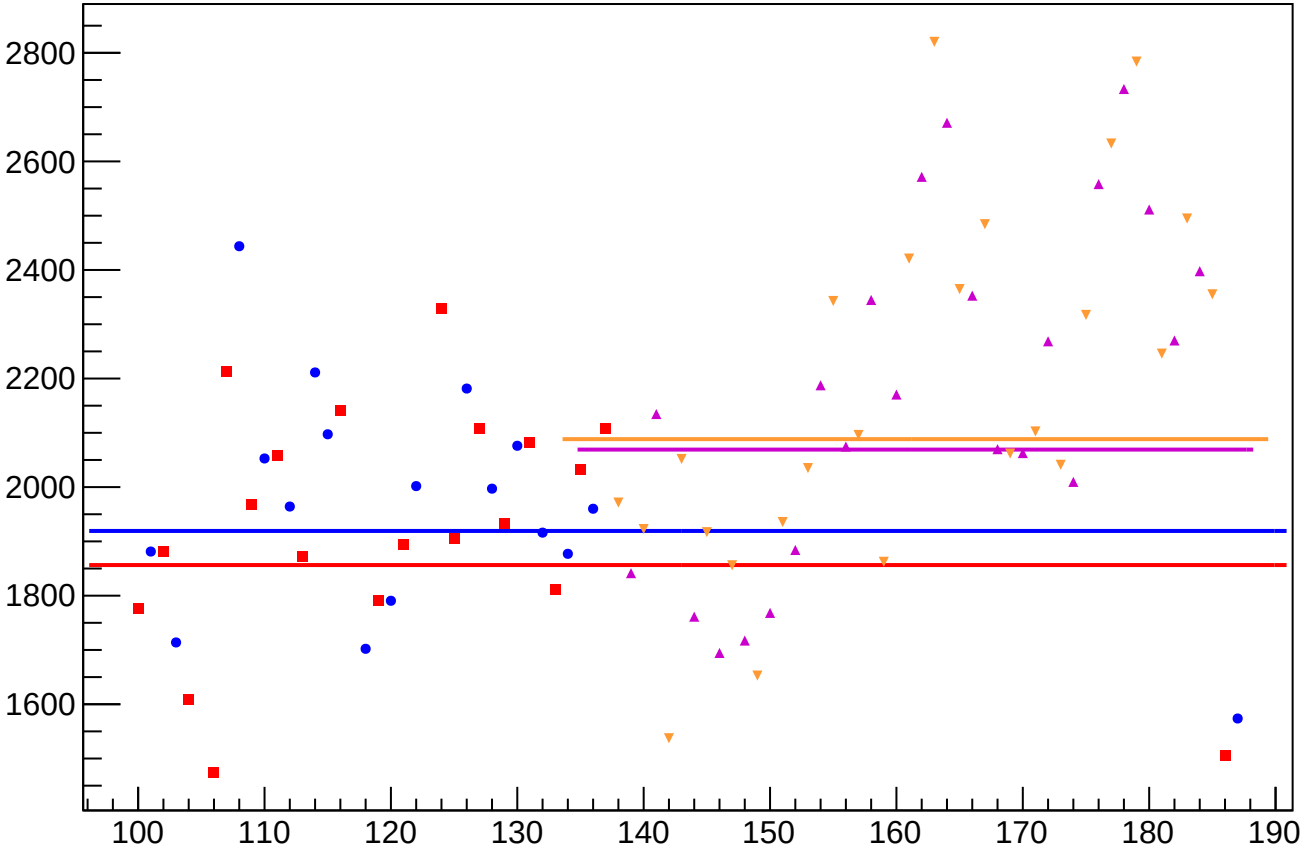
Right: 26.625+/-0.485 χ^2/NDF: 4234.3/36

In: -3.299+/-0.403 χ^2/NDF:12476.4/39

Out: 4.434+/-0.390 χ^2/NDF:1654.1/44

All: 0.703+/-0.280 χ^2/NDF: 14320.7/84

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1919.231+/-0.501 χ^2/NDF: 124802.1/16

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1856.409+/-0.471 χ^2/NDF: 198089.0/19

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

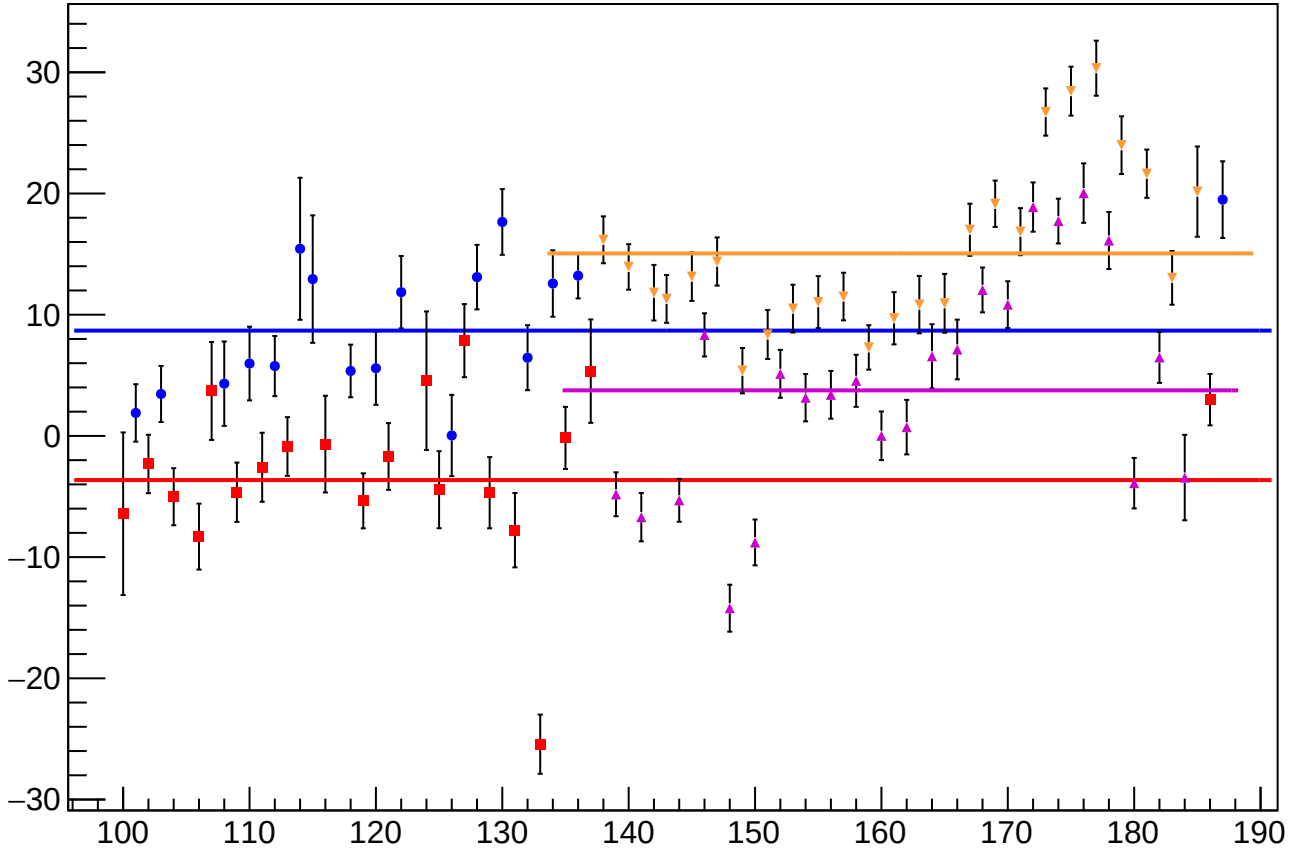
Right: 1885.881+/-0.343 χ^2/NDF: 331244.8/36

In: 2020.482+/-0.285 χ^2/NDF:896811.6/39

Out: 2008.968+/-0.275 χ^2/NDF:1145170.9/44

All: 2014.523+/-0.198 χ^2/NDF: 2042825.7/84

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.688+/-0.668 χ^2/NDF: 64.2/16

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -3.644+/-0.635 χ^2/NDF: 124.7/19

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

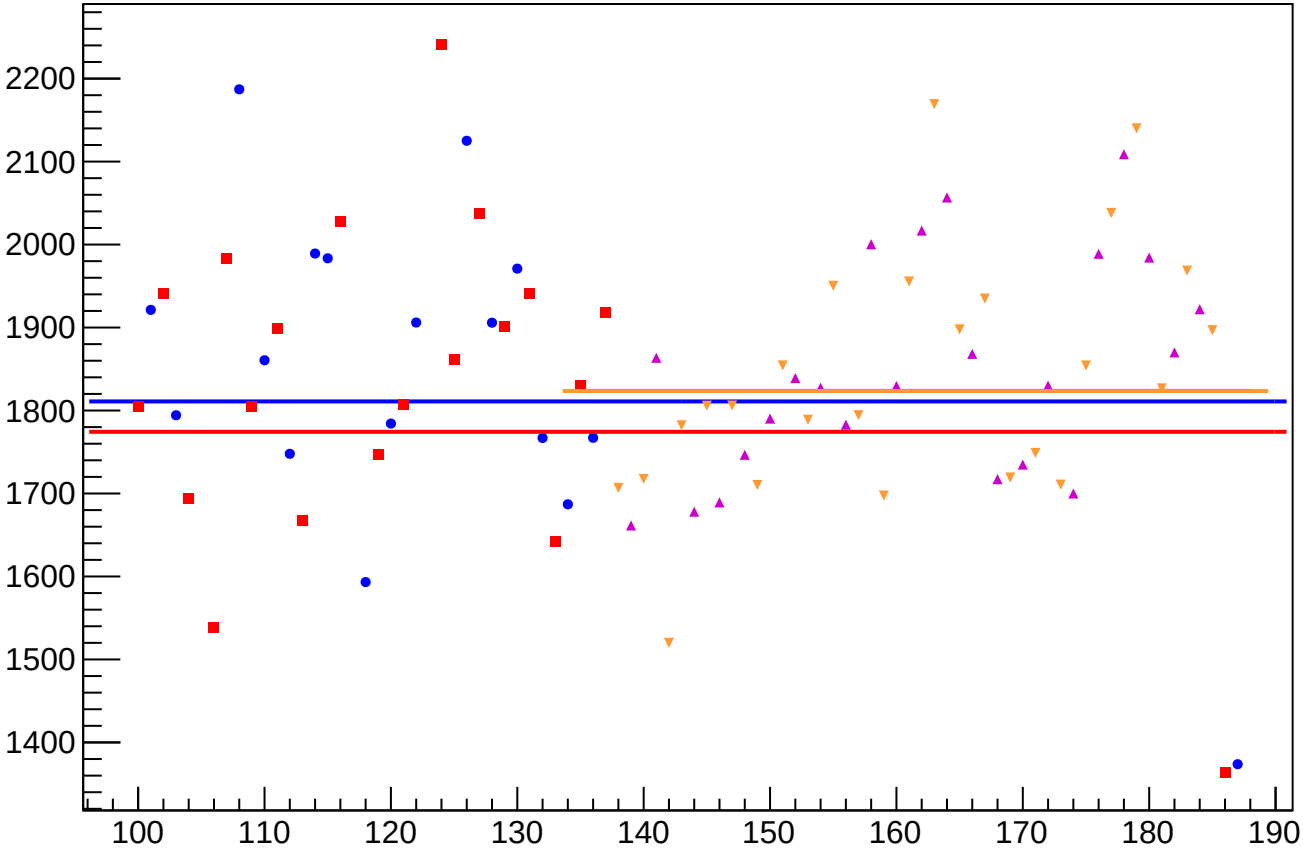
Right: 2.208+/-0.460 χ^2/NDF: 367.9/36

In: 5.192+/-0.360 χ^2/NDF:561.8/39

Out: 9.446+/-0.348 χ^2/NDF:978.1/44

All: 7.394+/-0.250 χ^2/NDF: 1612.1/84

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1810.941+/-0.472 χ^2/NDF: 126913.3/16

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1774.365+/-0.449 χ^2/NDF: 173060.7/19

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

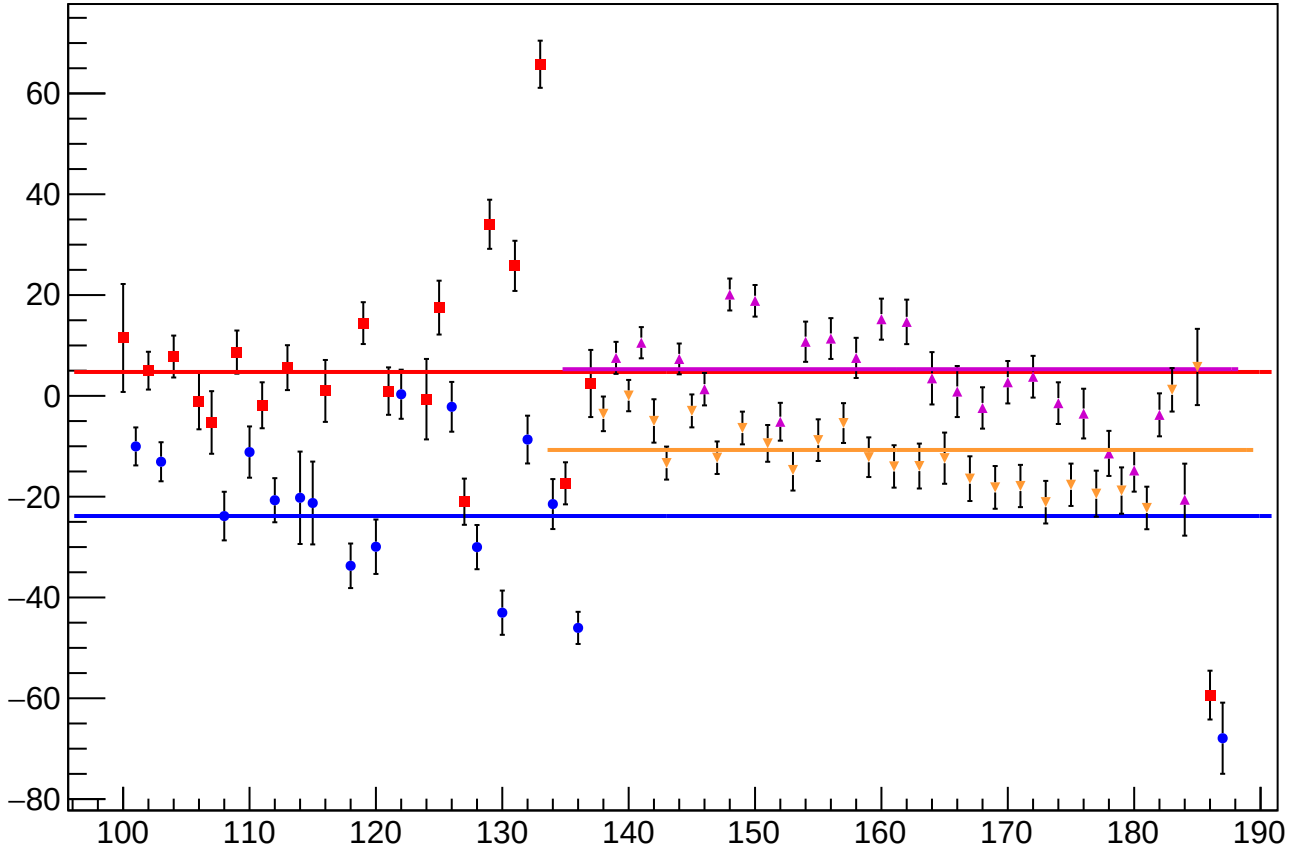
Right: 1791.722+/-0.325 χ^2/NDF: 303123.4/36

In: 1819.938+/-0.255 χ^2/NDF:291192.8/39

Out: 1808.725+/-0.246 χ^2/NDF:392701.8/44

All: 1814.133+/-0.177 χ^2/NDF: 684897.4/84

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -23.837+/-1.137 χ^2/NDF: 197.2/16

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 4.741+/-1.099 χ^2/NDF: 479.6/19

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

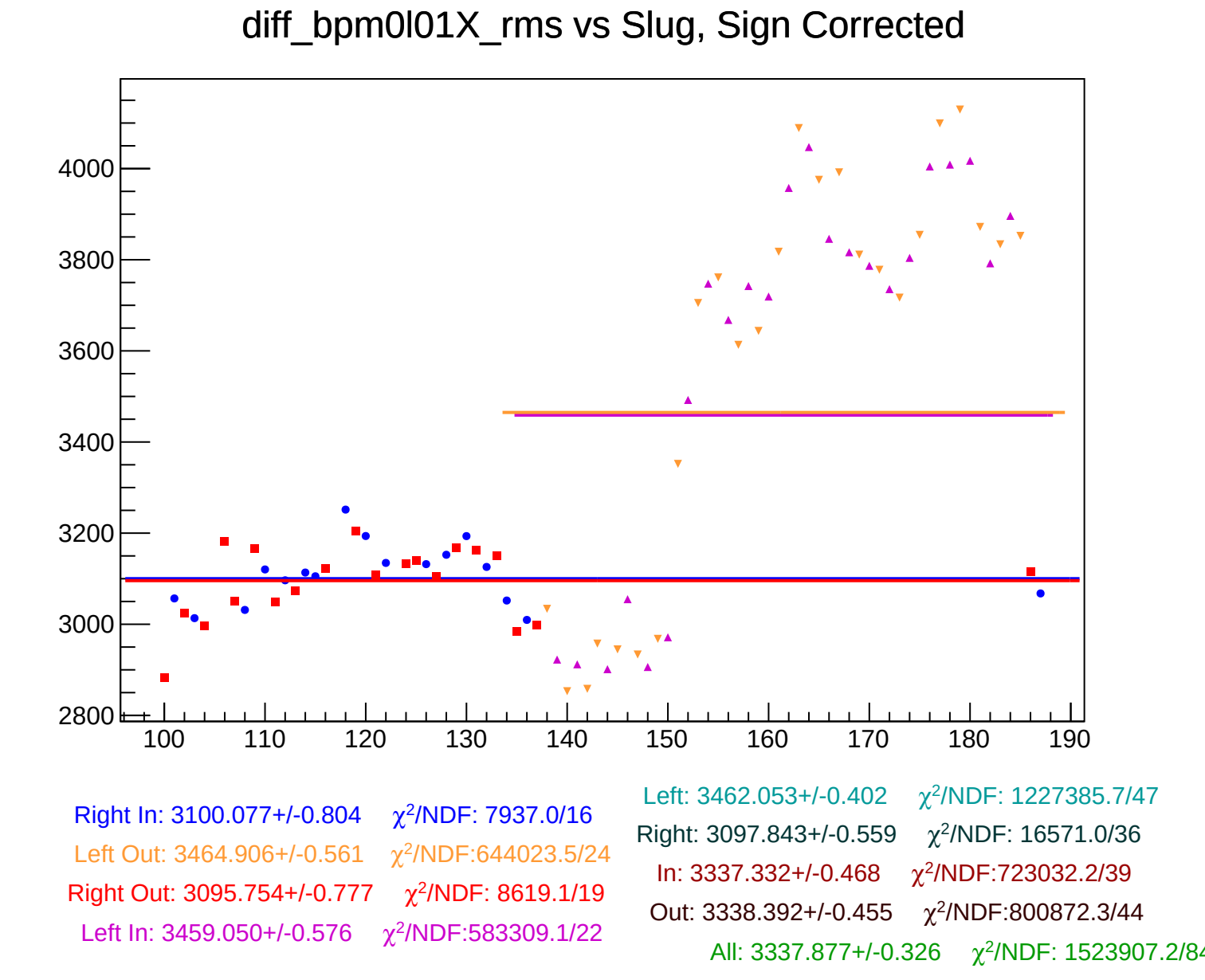
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

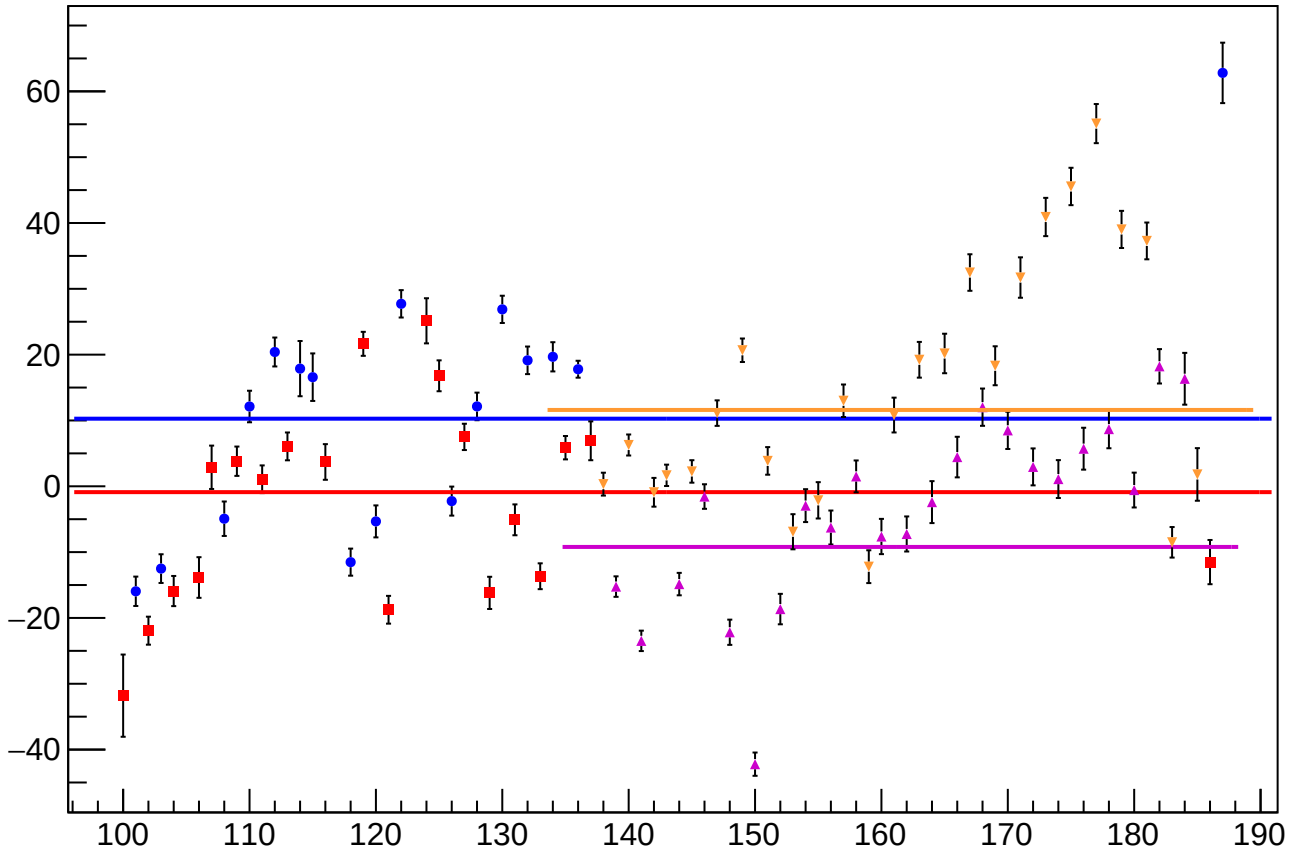
Right: -9.068+/-0.790 χ^2/NDF: 1003.4/36

In: -4.586+/-0.662 χ^2/NDF:764.7/39

Out: -5.430+/-0.644 χ^2/NDF:683.6/44

All: -5.020+/-0.461 χ^2/NDF: 1449.1/84


diff_bpm0l01X_rms vs Slug, Sign Corrected
4000
3800
3600
3400
3200
3000
2800
100
110
120
130
140
150
160
170
180
190
Right In: 3100.077+/-0.804 χ²/NDF: 7937.0/16
Left Out: 3464.906+/-0.561 χ²/NDF:644023.5/24
Right Out: 3095.754+/-0.777 χ²/NDF: 8619.1/19
Left In: 3459.050+/-0.576 χ²/NDF:583309.1/22
Left: 3462.053+/-0.402 χ²/NDF: 1227385.7/47
Right: 3097.843+/-0.559 χ²/NDF: 16571.0/36
In: 3337.332+/-0.468 χ²/NDF:723032.2/39
Out: 3338.392+/-0.455 χ²/NDF:800872.3/44
All: 3337.877+/-0.326 χ²/NDF: 1523907.2/84



Right In: 10.271+/-0.538 χ^2/NDF: 831.5/16

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -0.888+/-0.527 χ^2/NDF: 676.1/19

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

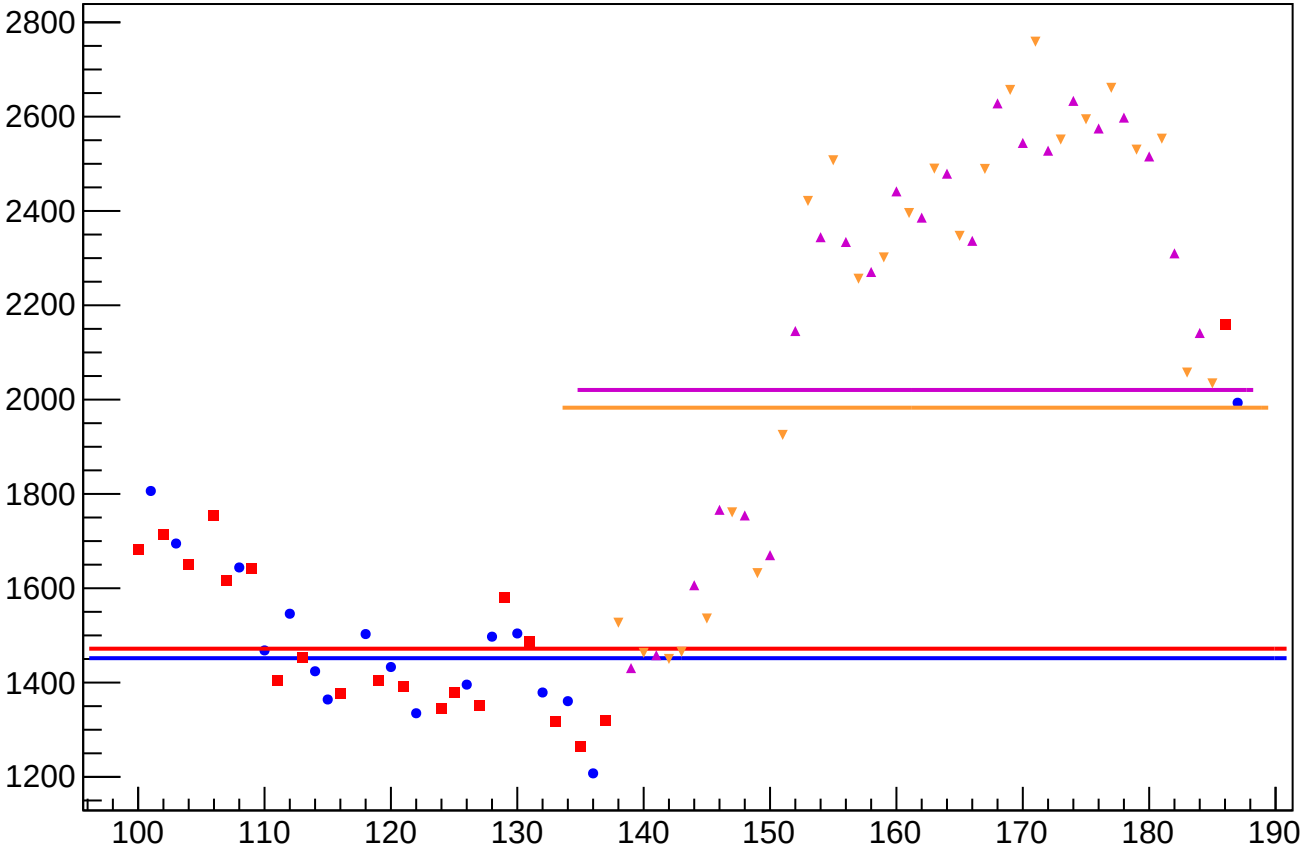
Right: 4.585+/-0.377 χ^2/NDF: 1727.1/36

In: -0.494+/-0.360 χ^2/NDF:2497.8/39

Out: 6.159+/-0.348 χ^2/NDF:2189.3/44

All: 2.941+/-0.250 χ^2/NDF: 4863.8/84

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1451.717+/-0.380 χ^2/NDF: 208369.0/16

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1471.861+/-0.373 χ^2/NDF: 228788.8/19

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

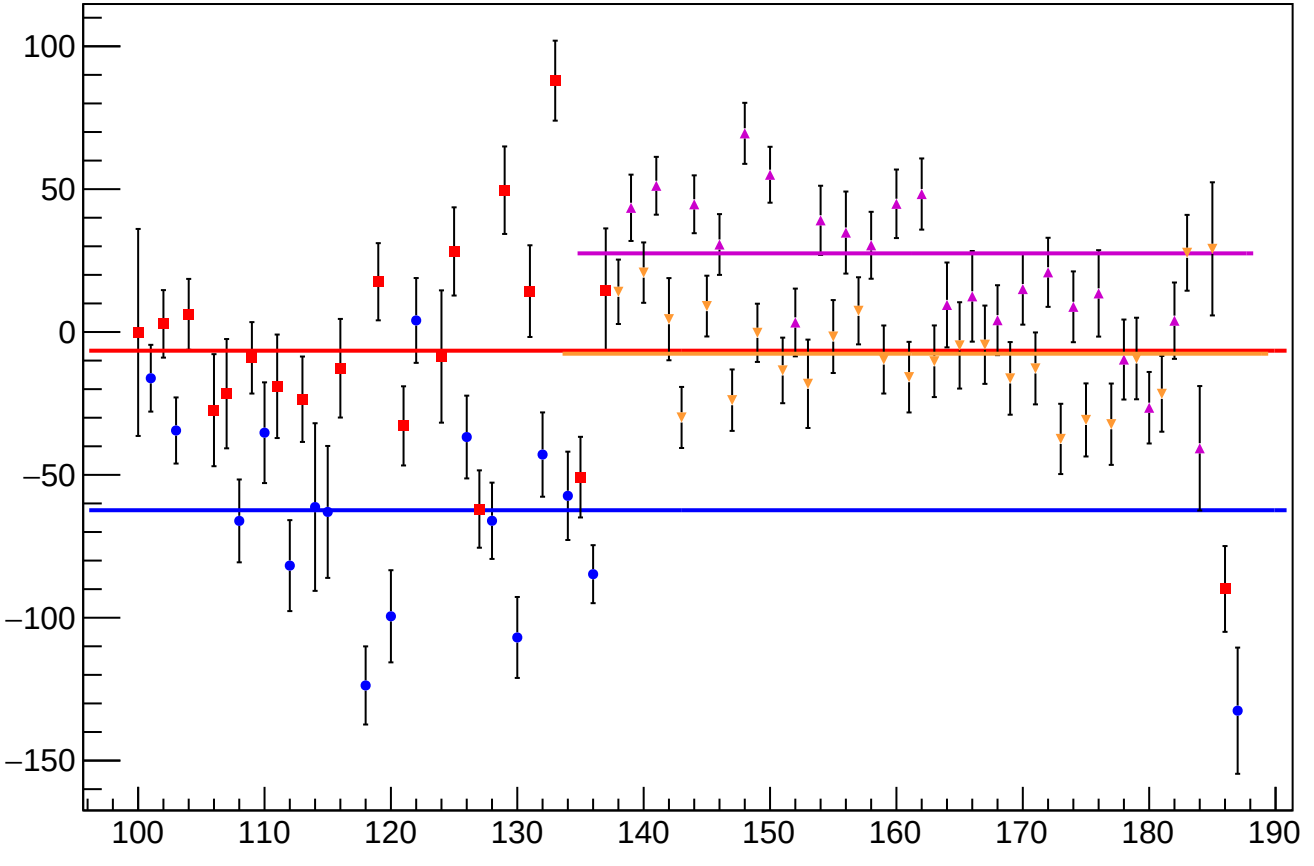
Right: 1461.980+/-0.266 χ^2/NDF: 438588.7/36

In: 1765.950+/-0.254 χ^2/NDF:3059922.6/39

Out: 1760.269+/-0.246 χ^2/NDF:3265826.7/44

All: 1763.017+/-0.177 χ^2/NDF: 6326006.9/84

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -62.377+/-3.550 χ^2/NDF: 100.7/16

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -6.537+/-3.448 χ^2/NDF: 136.4/19

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

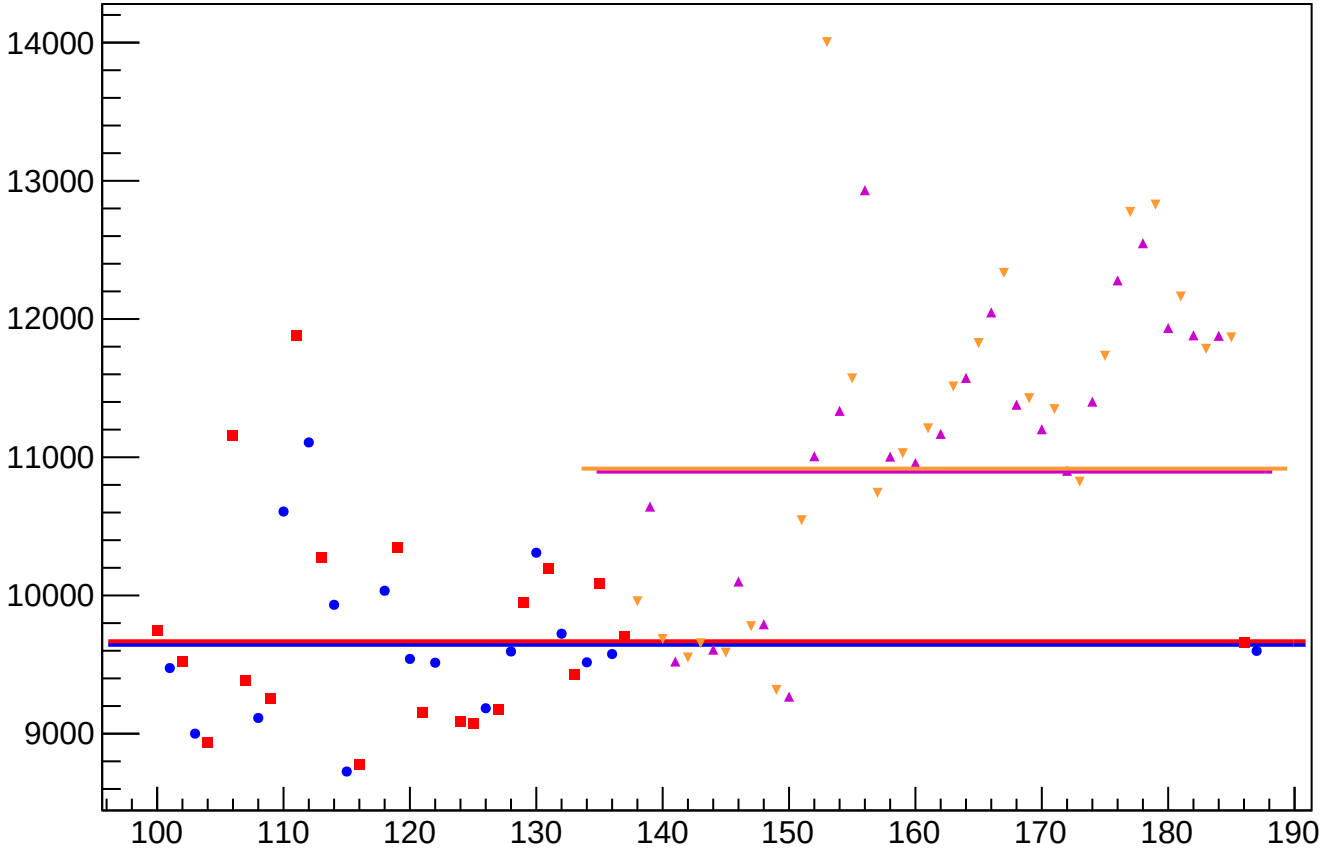
Right: -33.648+/-2.473 χ^2/NDF: 364.4/36

In: -3.180+/-2.074 χ^2/NDF:616.1/39

Out: -7.231+/-2.021 χ^2/NDF:184.4/44

All: -5.258+/-1.448 χ^2/NDF: 802.5/84

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9643.225+/-2.510 χ^2/NDF: 44109.8/16

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9668.542+/-2.438 χ^2/NDF: 79879.2/19

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

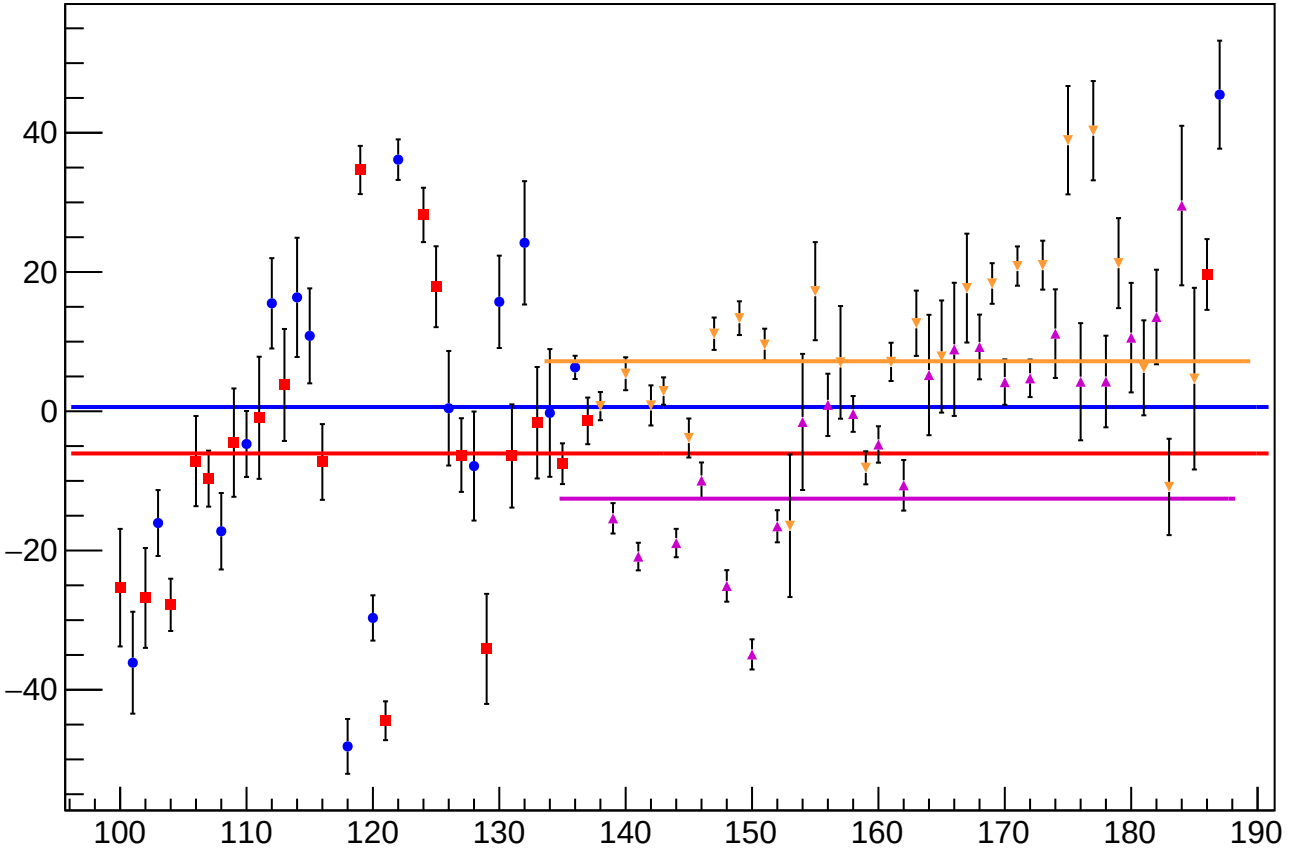
Right: 9656.251+/-1.749 χ^2/NDF: 124041.3/36

In: 10468.099+/-1.467 χ^2/NDF:506209.7/39

Out: 10488.431+/-1.429 χ^2/NDF:678000.4/44

All: 10478.529+/-1.024 χ^2/NDF: 1184308.6/8

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.609+/-1.036 χ^2/NDF: 507.8/16

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -6.059+/-1.050 χ^2/NDF: 512.4/19

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

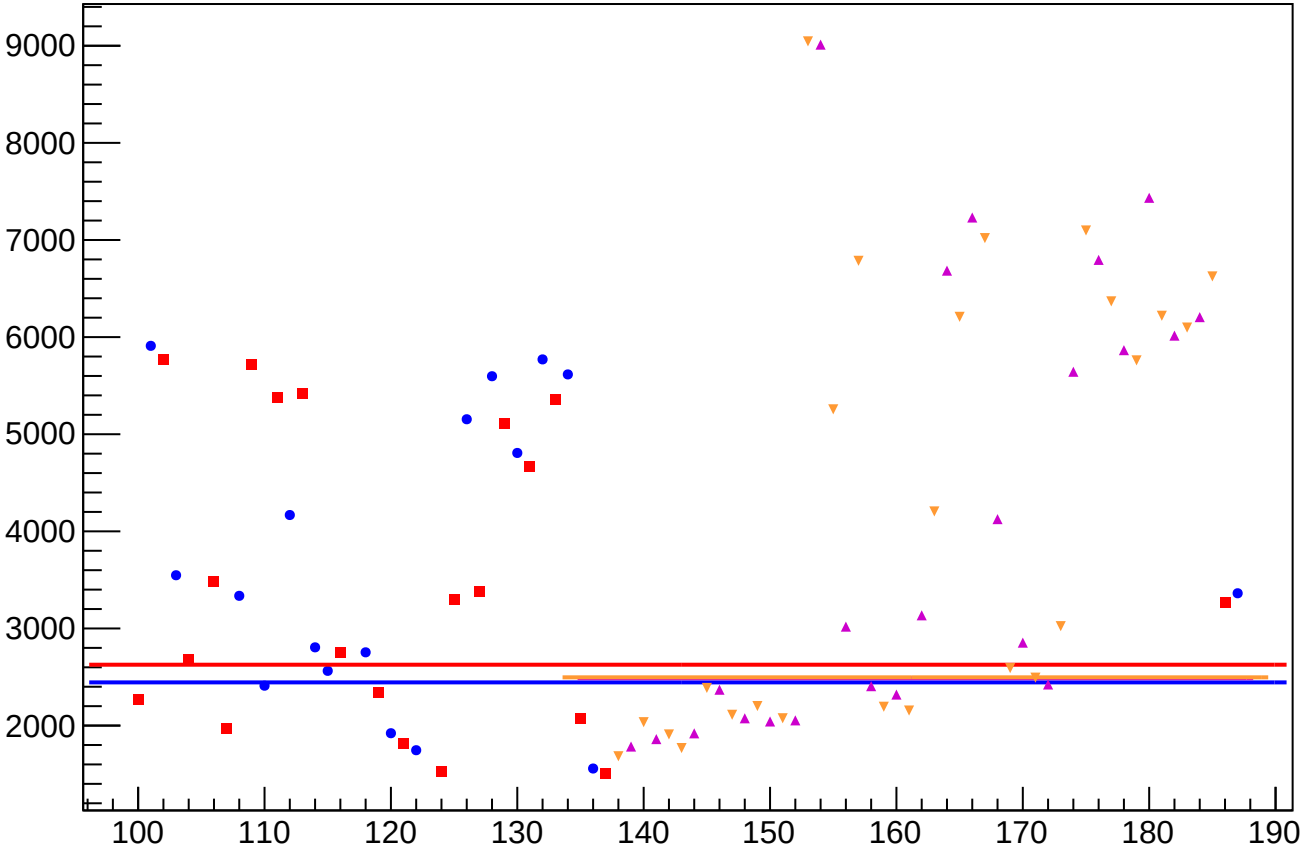
Right: -2.679+/-0.738 χ^2/NDF: 1040.5/36

In: -8.749+/-0.557 χ^2/NDF:994.6/39

Out: 3.488+/-0.555 χ^2/NDF:828.7/44

All: -2.608+/-0.393 χ^2/NDF: 2065.5/84

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2444.745+/-0.733 χ^2/NDF: 2843835.7/16

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2626.765+/-0.743 χ^2/NDF: 2547798.5/19

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

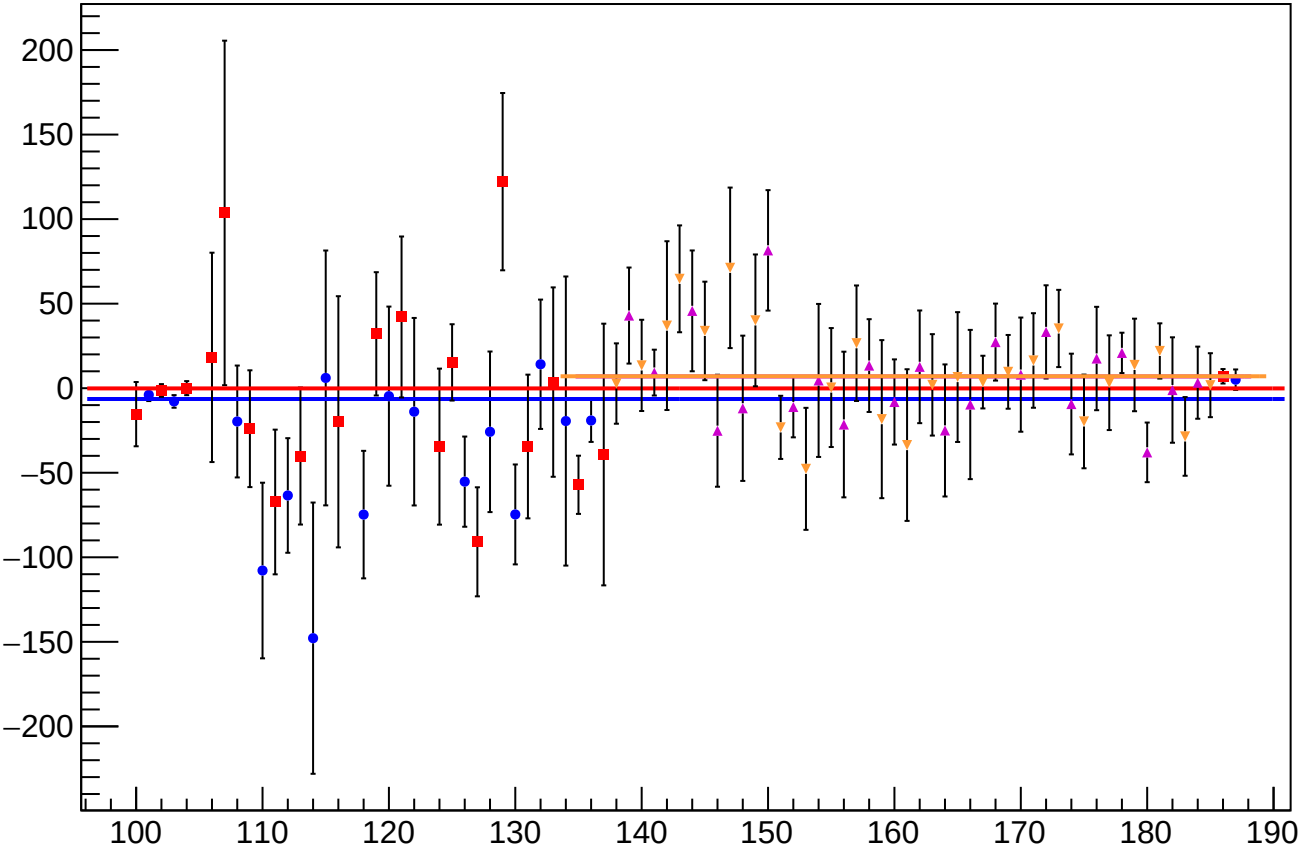
Right: 2534.494+/-0.522 χ^2/NDF: 5422075.7/36

In: 2475.300+/-0.394 χ^2/NDF:8949749.1/39

Out: 2533.075+/-0.392 χ^2/NDF:9775696.0/44

All: 2504.291+/-0.278 χ^2/NDF: 18736244.5/8

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -6.384+/-2.310 χ^2/NDF: 27.6/16

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -0.121+/-2.247 χ^2/NDF: 36.5/19

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

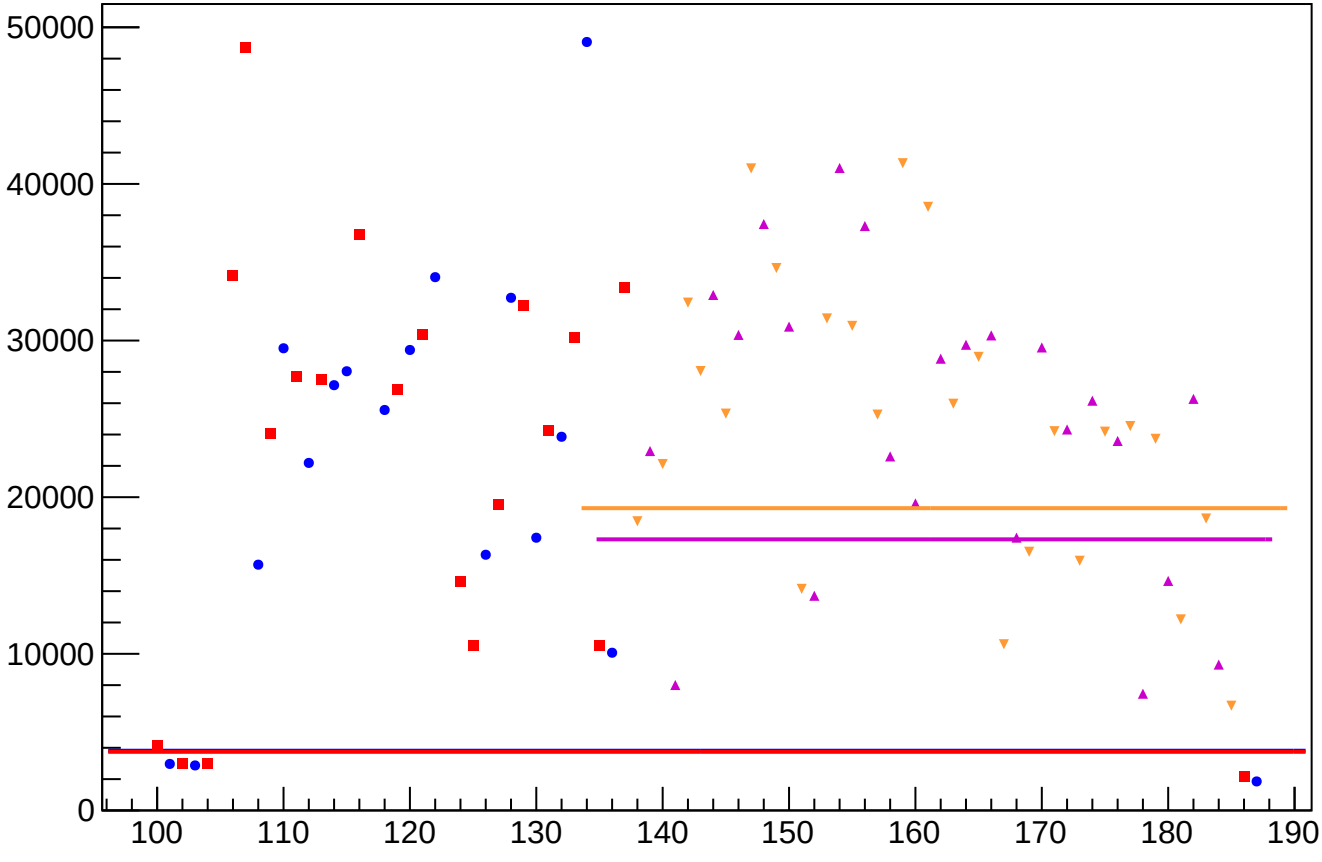
Right: -3.166+/-1.611 χ^2/NDF: 67.9/36

In: -4.108+/-2.104 χ^2/NDF:54.4/39

Out: 0.999+/-2.064 χ^2/NDF:57.7/44

All: -1.507+/-1.473 χ^2/NDF: 115.0/84

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 3811.788+/-1.634 χ^2/NDF: 7082107.1/16

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 3745.131+/-1.589 χ^2/NDF: 8011851.8/19

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

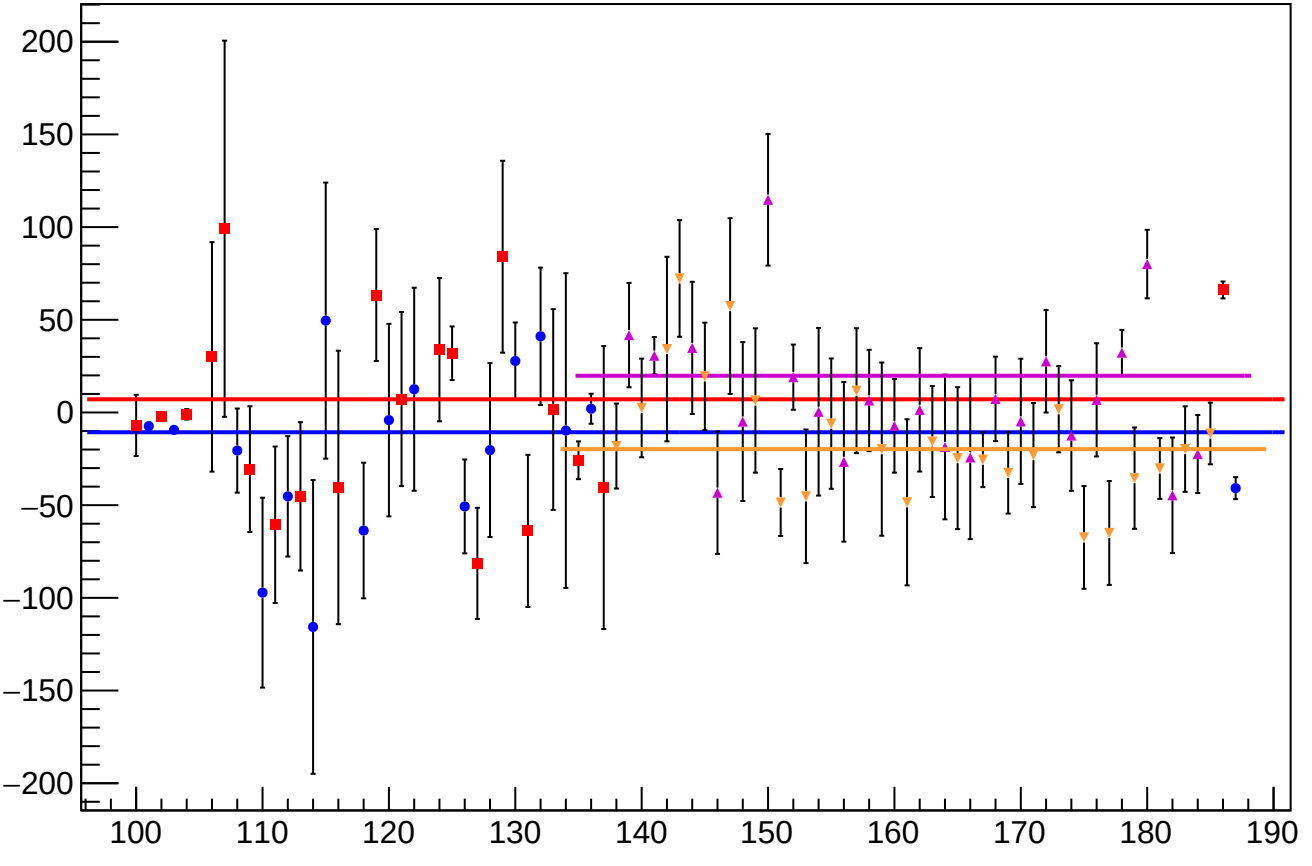
Right: 3777.537+/-1.139 χ^2/NDF: 15094814.5/36

In: 6116.812+/-1.488 χ^2/NDF:25461495.0/39

Out: 6170.865+/-1.460 χ^2/NDF:27994207.1/44

All: 6144.348+/-1.042 χ^2/NDF: 53456374.8/8

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -10.669+/-1.652 χ^2/NDF: 47.1/16

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 7.111+/-1.691 χ^2/NDF: 227.6/19

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

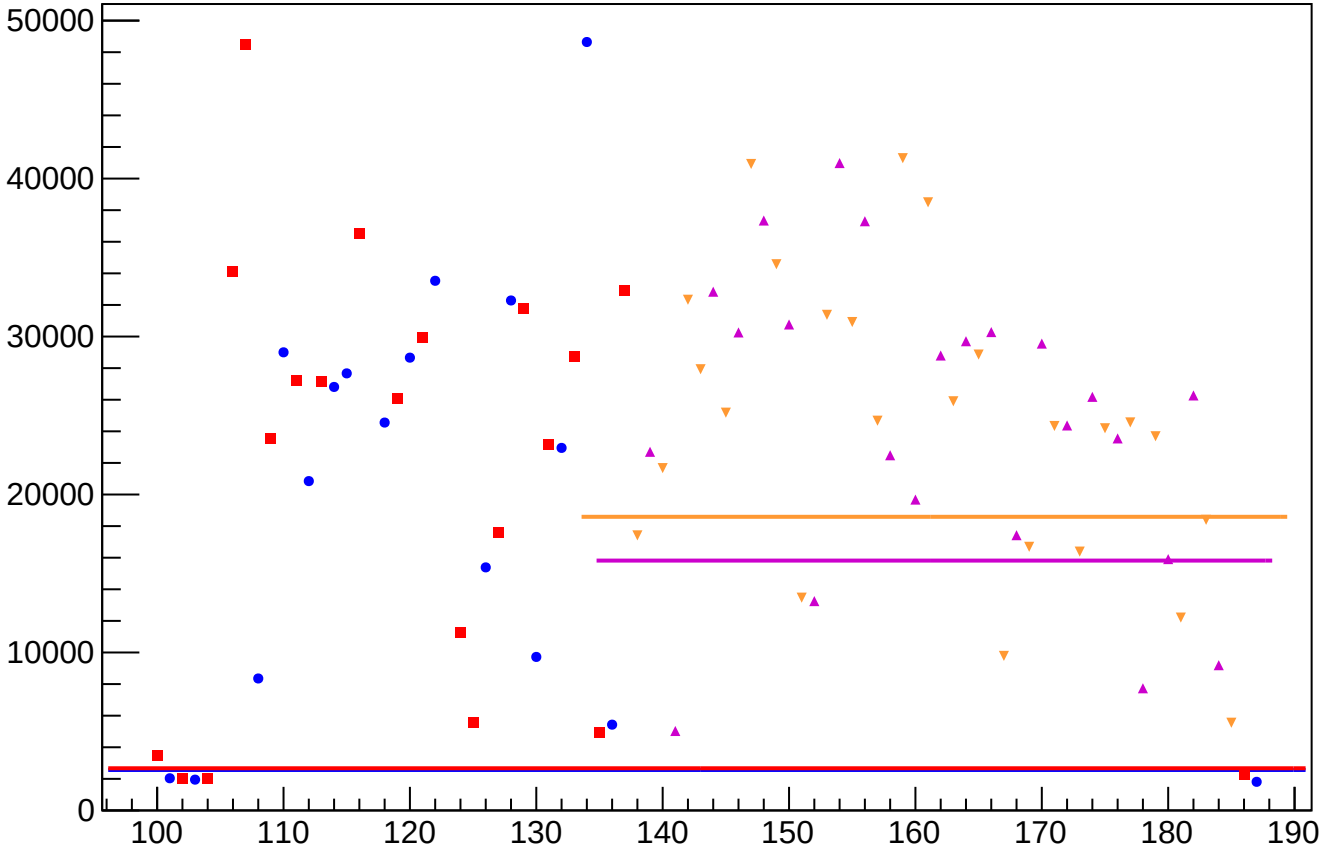
Right: -1.987+/-1.182 χ^2/NDF: 331.3/36

In: -7.493+/-1.564 χ^2/NDF:122.9/39

Out: 4.463+/-1.606 χ^2/NDF:280.3/44

All: -1.674+/-1.120 χ^2/NDF: 431.6/84

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2563.281+/-1.168 χ^2/NDF: 6815602.6/16

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2670.745+/-1.196 χ^2/NDF: 8001452.5/19

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

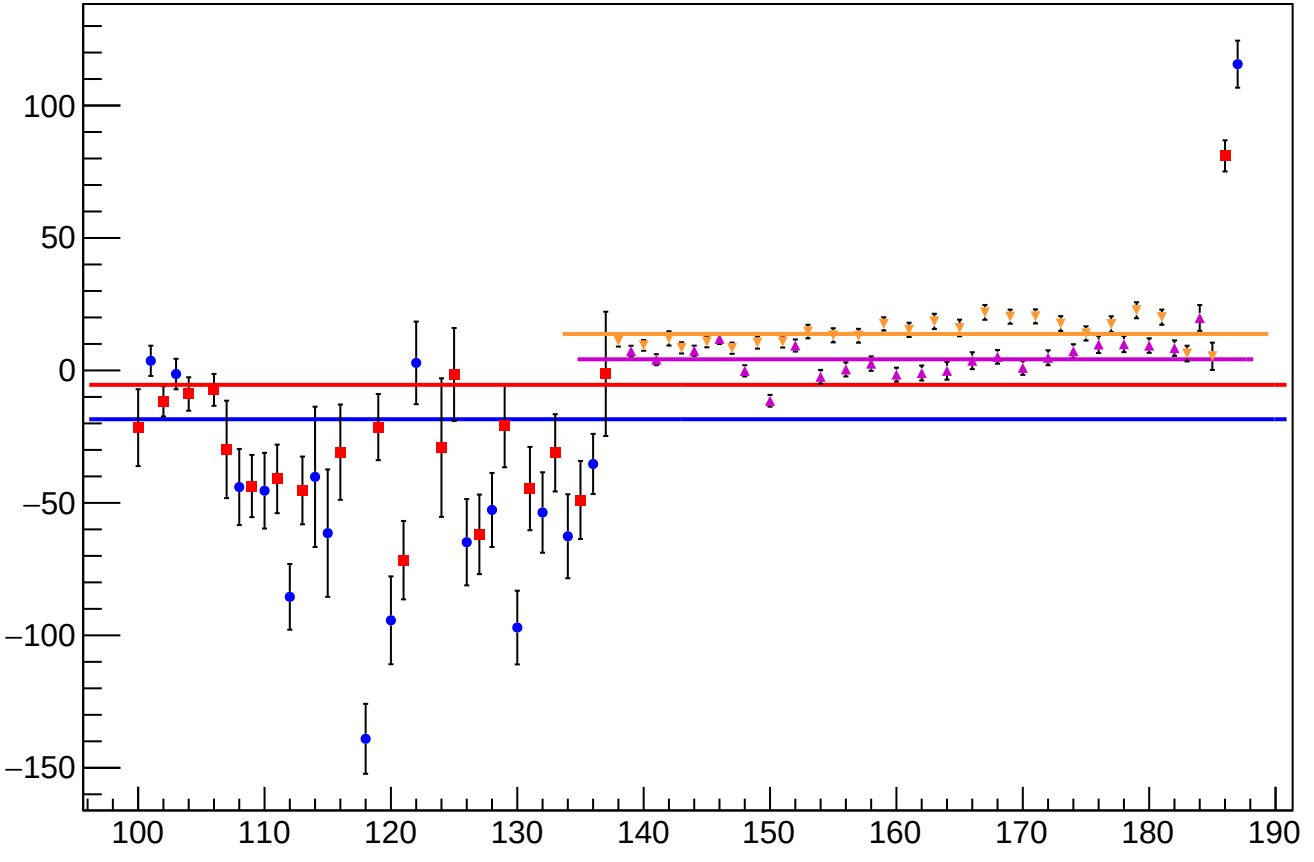
Right: 2615.756+/-0.836 χ^2/NDF: 14821186.2/36

In: 3943.868+/-1.106 χ^2/NDF:28628062.4/39

Out: 4238.845+/-1.136 χ^2/NDF:31150606.8/44

All: 4087.442+/-0.792 χ^2/NDF: 59813302.7/8

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -18.421+/-2.706 χ^2/NDF: 459.4/16

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -5.435+/-2.345 χ^2/NDF: 306.3/19

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

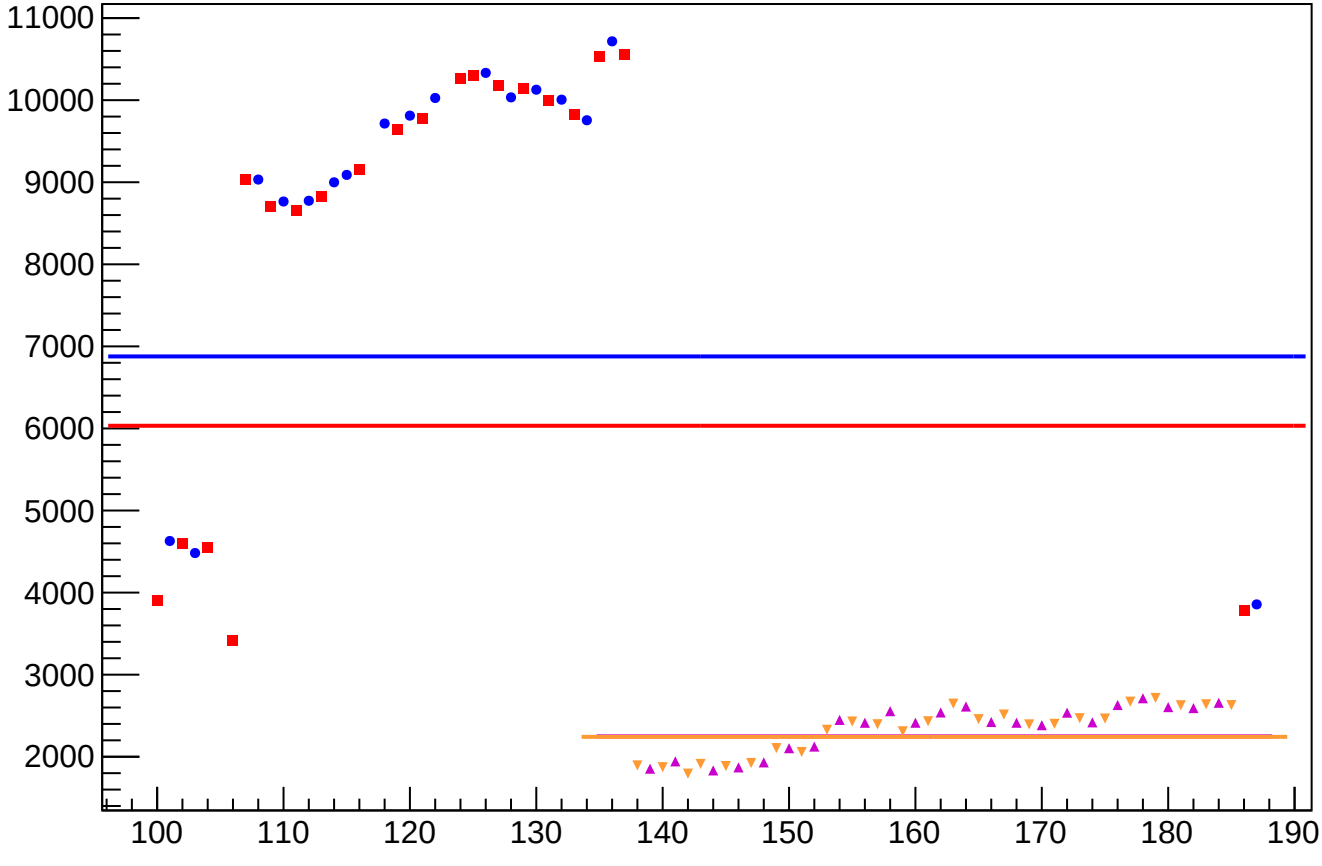
Right: -11.003+/-1.772 χ^2/NDF: 778.8/36

In: 3.367+/-0.520 χ^2/NDF:650.6/39

Out: 12.881+/-0.502 χ^2/NDF:447.5/44

All: 8.292+/-0.361 χ^2/NDF: 1271.3/84

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 6877.550+/-1.914 χ^2/NDF: 1961590.0/16

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 6032.778+/-1.658 χ^2/NDF: 2625795.0/19

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

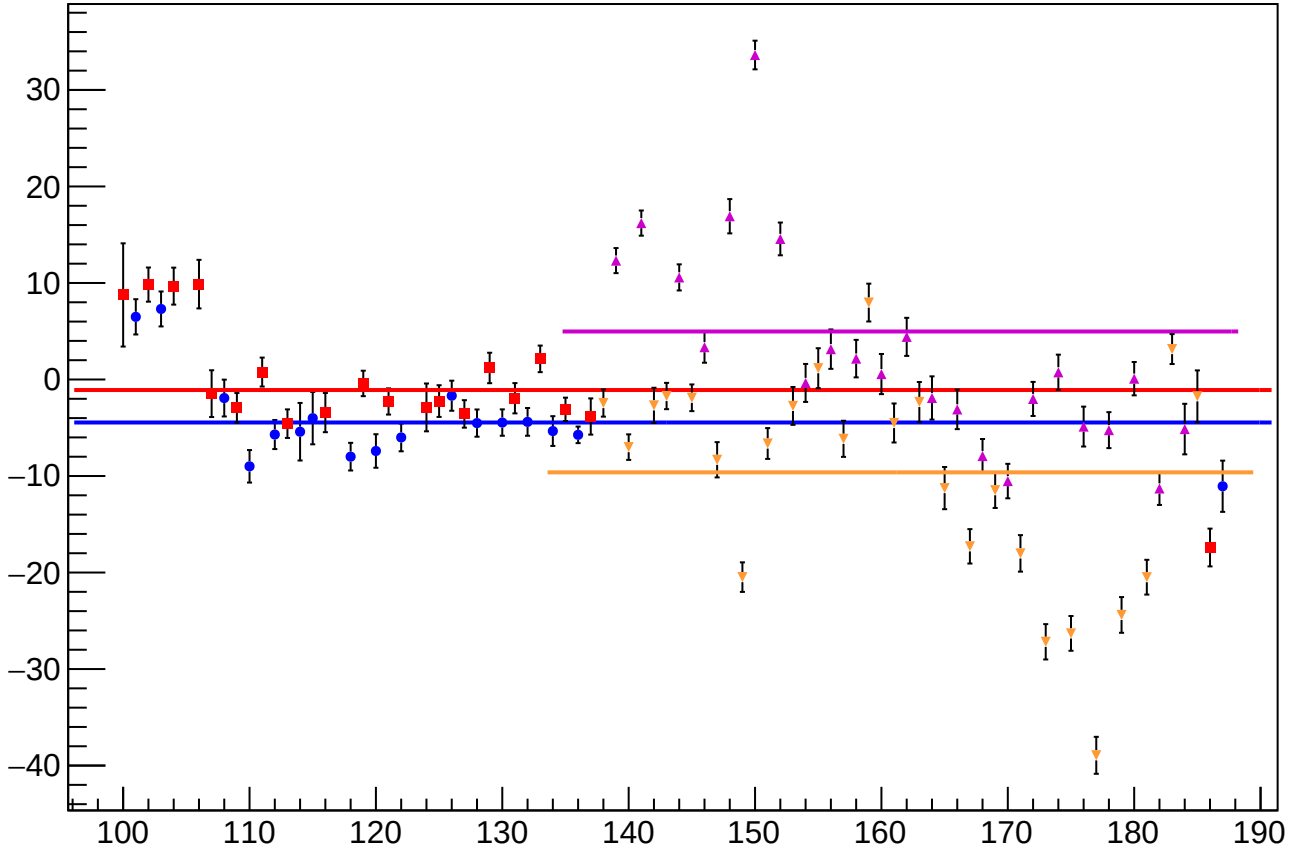
Right: 6395.024+/-1.253 χ^2/NDF: 4698690.8/36

In: 2419.593+/-0.368 χ^2/NDF:8238642.2/39

Out: 2416.109+/-0.355 χ^2/NDF:8269898.8/44

All: 2417.789+/-0.255 χ^2/NDF: 16508587.4/8

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.454+/-0.376 χ^2/NDF: 110.0/16

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -1.091+/-0.372 χ^2/NDF: 189.3/19

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

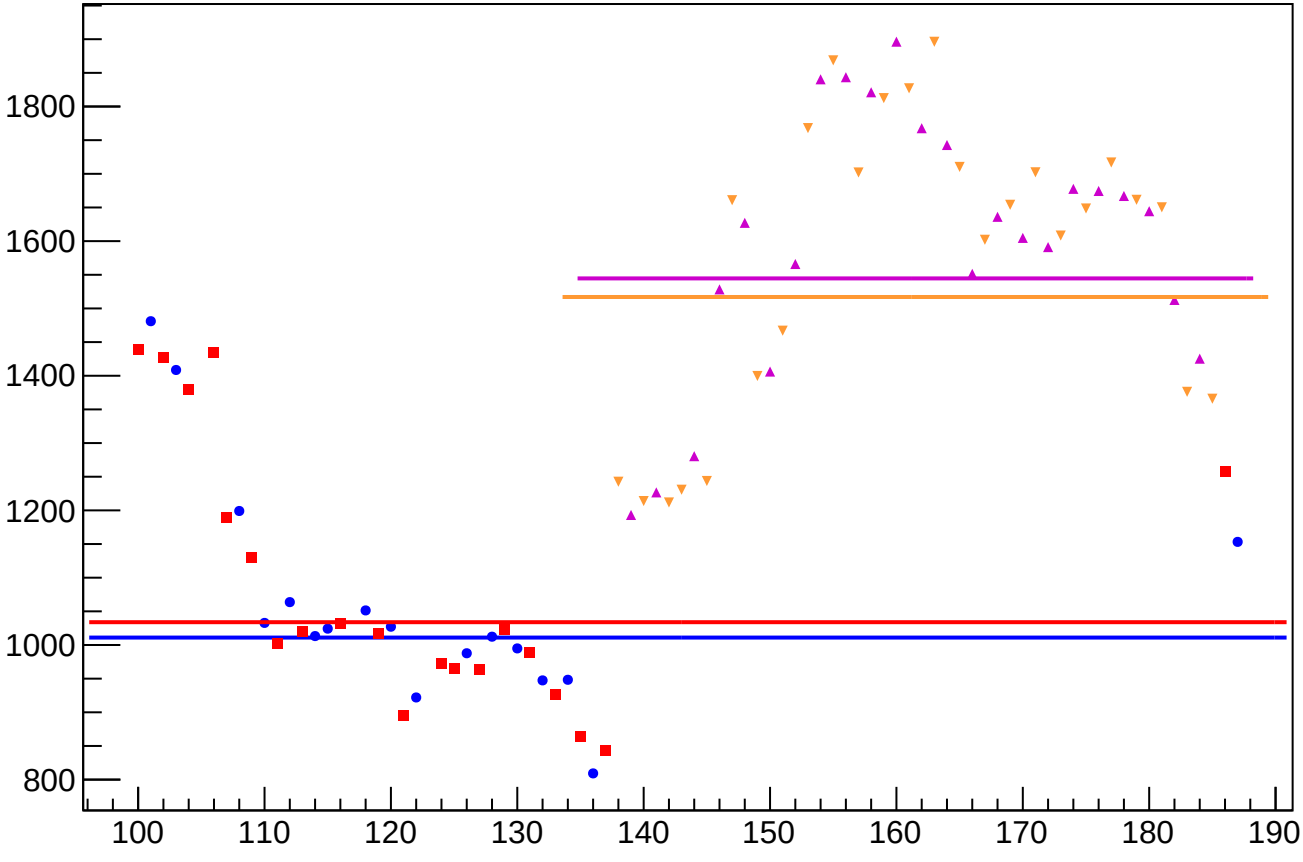
Right: -2.754+/-0.264 χ^2/NDF: 339.7/36

In: 0.404+/-0.262 χ^2/NDF:1363.9/39

Out: -5.625+/-0.254 χ^2/NDF:1403.4/44

All: -2.695+/-0.182 χ^2/NDF: 3040.0/84

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1011.027+/-0.266 χ^2/NDF: 384694.4/16

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1033.875+/-0.263 χ^2/NDF: 373201.6/19

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

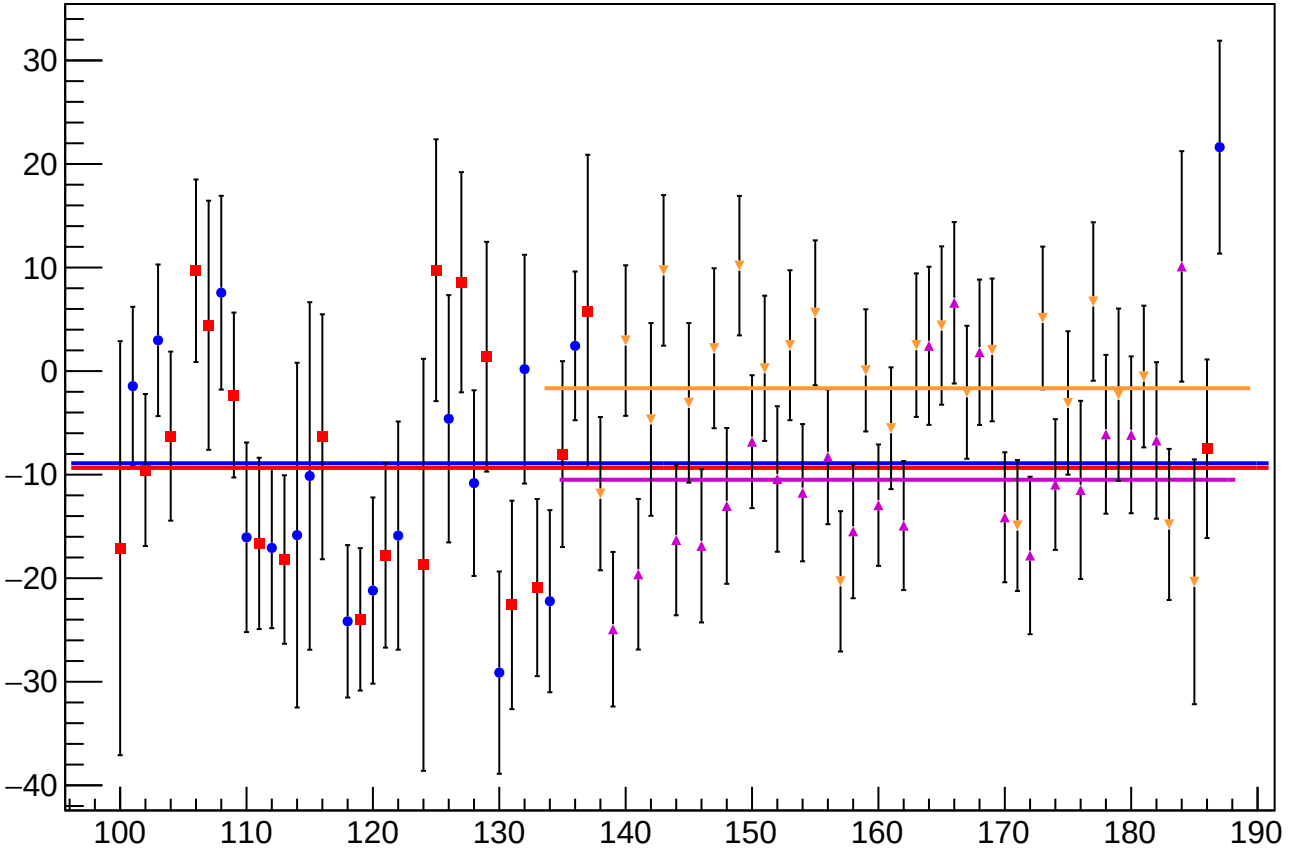
Right: 1022.578+/-0.187 χ^2/NDF: 761631.3/36

In: 1285.964+/-0.185 χ^2/NDF:3099683.1/39

Out: 1290.614+/-0.180 χ^2/NDF:3001143.0/44

All: 1288.354+/-0.129 χ^2/NDF: 6101150.5/84

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -8.902+/-2.226 χ^2/NDF: 33.9/16

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -9.348+/-2.123 χ^2/NDF: 25.4/19

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

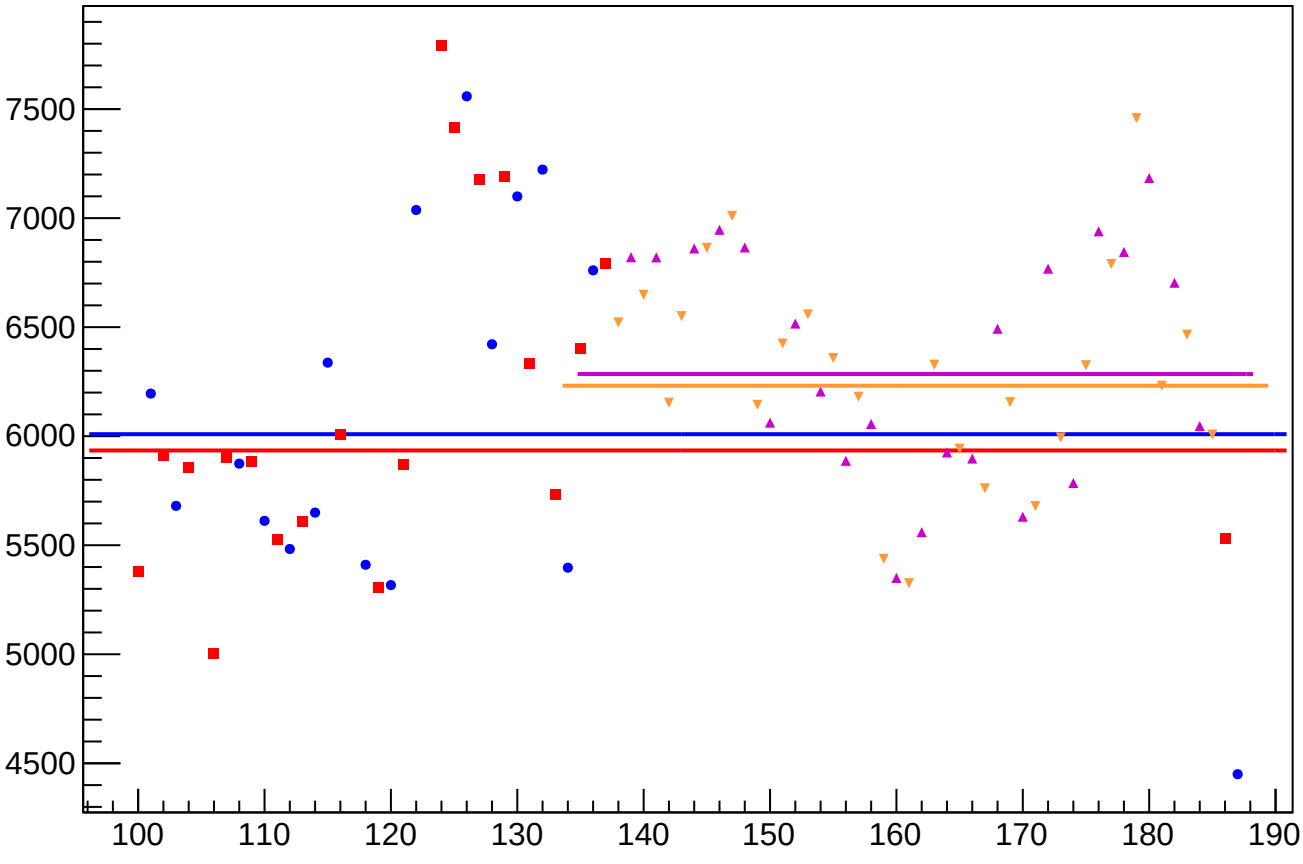
Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

Right: -9.136+/-1.536 χ^2/NDF: 59.3/36

In: -10.005+/-1.232 χ^2/NDF:59.2/39

Out: -4.047+/-1.184 χ^2/NDF:65.9/44

All: -6.907+/-0.854 χ^2/NDF: 137.2/84



Right In: 6009.192+/-1.574 χ^2/NDF: 227381.4/16

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5934.603+/-1.502 χ^2/NDF: 167423.3/19

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

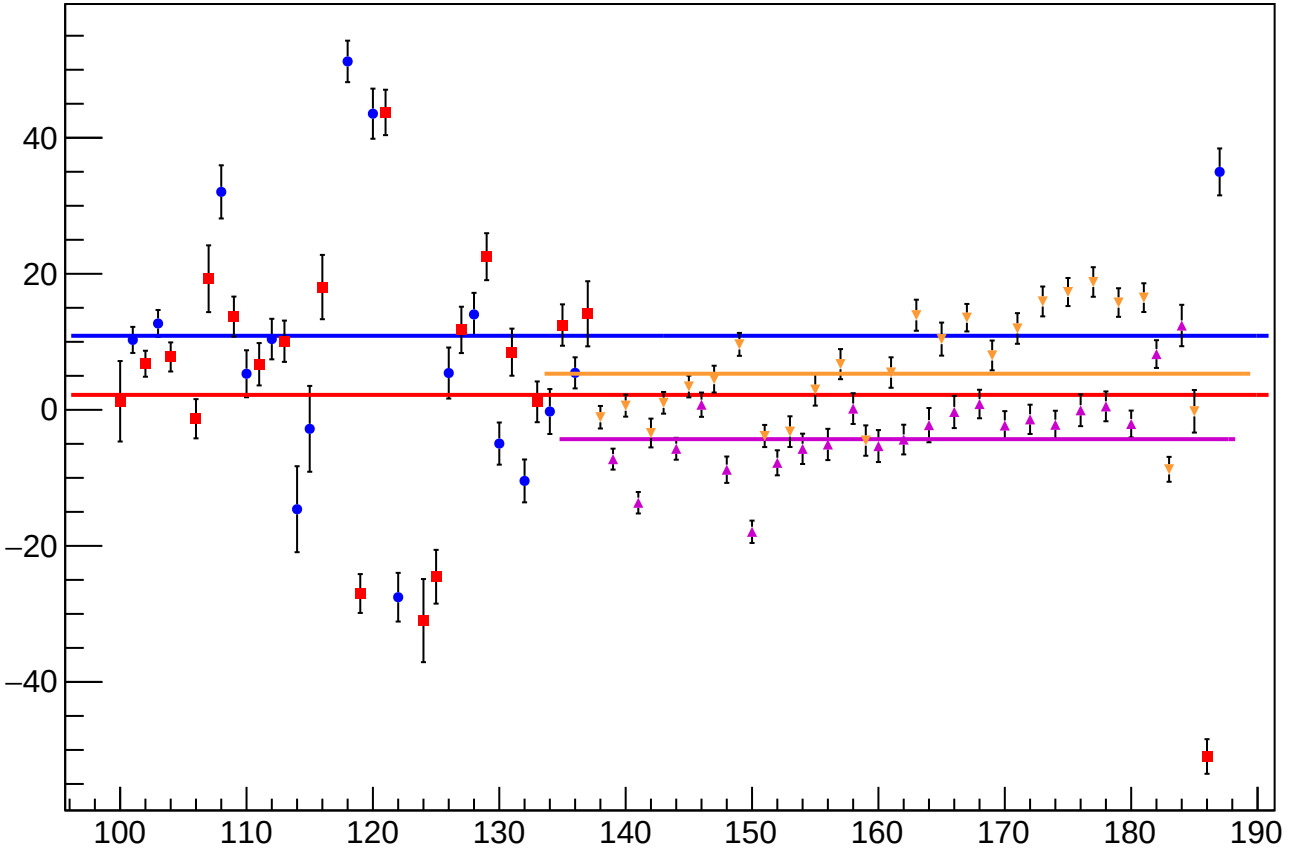
Right: 5970.141+/-1.086 χ^2/NDF: 395980.4/36

In: 6200.512+/-0.871 χ^2/NDF:514055.6/39

Out: 6139.246+/-0.837 χ^2/NDF:421338.0/44

All: 6168.655+/-0.604 χ^2/NDF: 937964.2/84

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 10.887+/-0.737 χ^2/NDF: 563.5/16

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 2.198+/-0.702 χ^2/NDF: 896.0/19

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

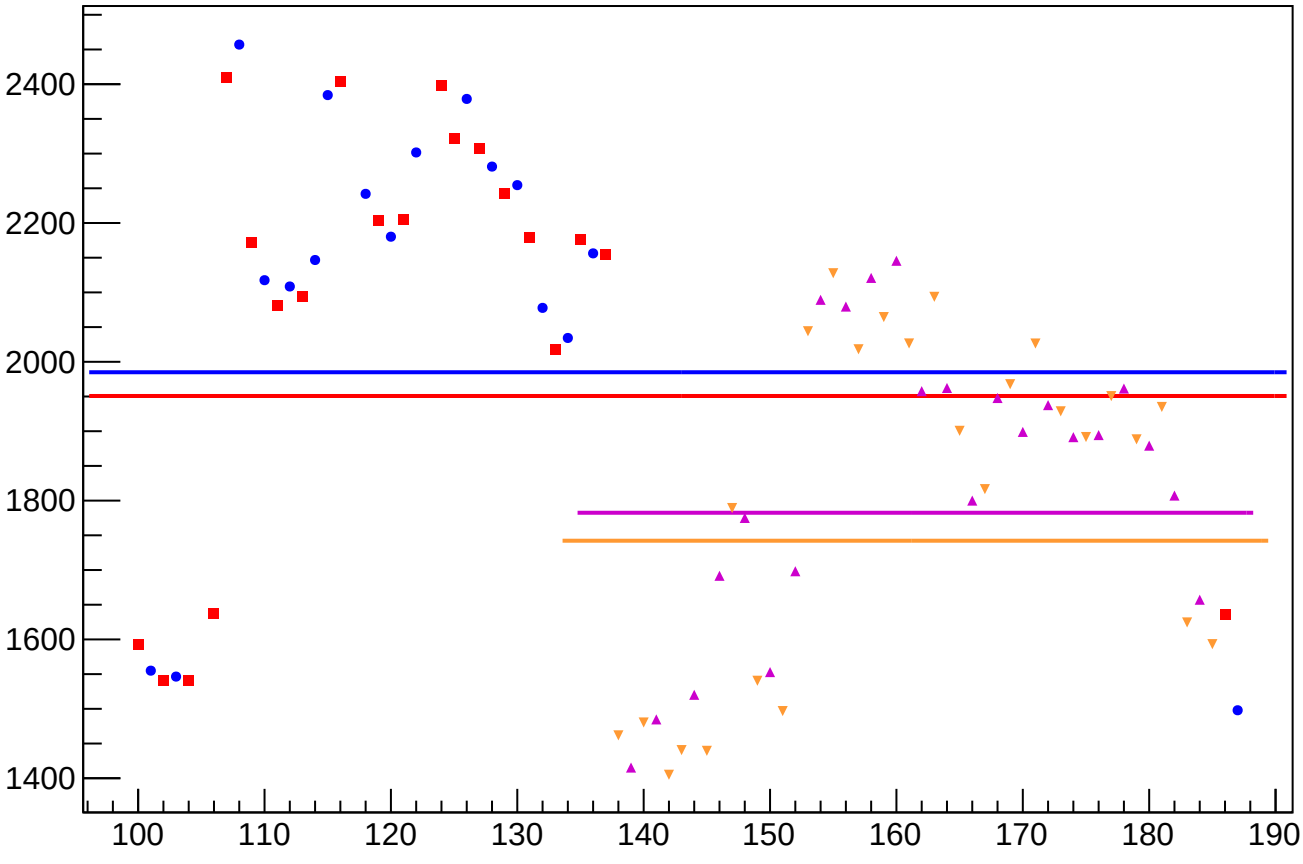
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 6.329+/-0.508 χ^2/NDF: 1532.4/36

In: -0.587+/-0.365 χ^2/NDF:1104.6/39

Out: 4.548+/-0.348 χ^2/NDF:1289.0/44

All: 2.105+/-0.252 χ^2/NDF: 2497.3/84



Right In: 1984.957+/-0.521 χ^2/NDF: 386187.4/16

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1950.745+/-0.496 χ^2/NDF: 398514.5/19

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

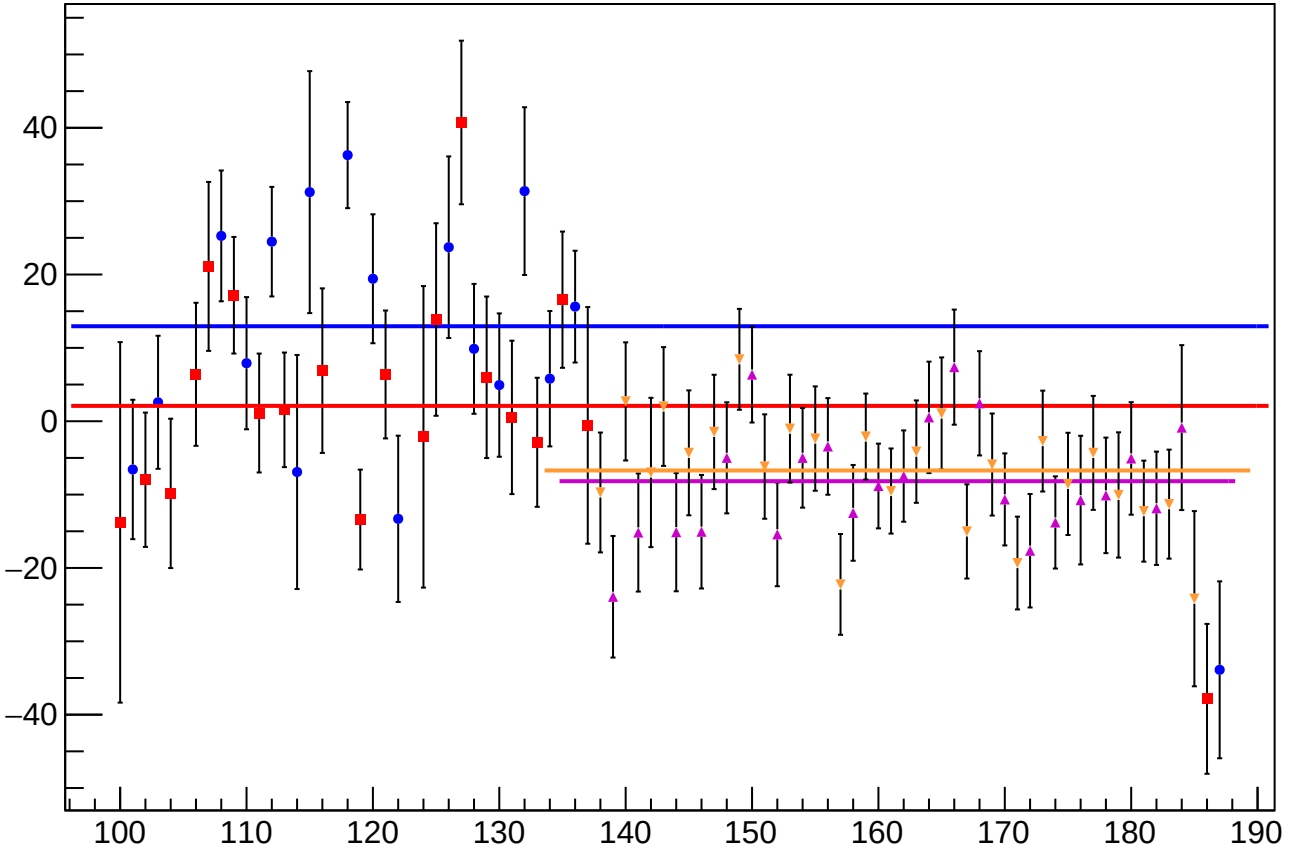
Right: 1967.009+/-0.360 χ^2/NDF: 786960.2/36

In: 1832.102+/-0.258 χ^2/NDF:1034367.2/39

Out: 1793.395+/-0.246 χ^2/NDF:1299344.0/44

All: 1811.812+/-0.178 χ^2/NDF: 2345499.7/84

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 12.949+/-2.314 χ^2/NDF: 49.2/16

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 2.093+/-2.219 χ^2/NDF: 46.2/19

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

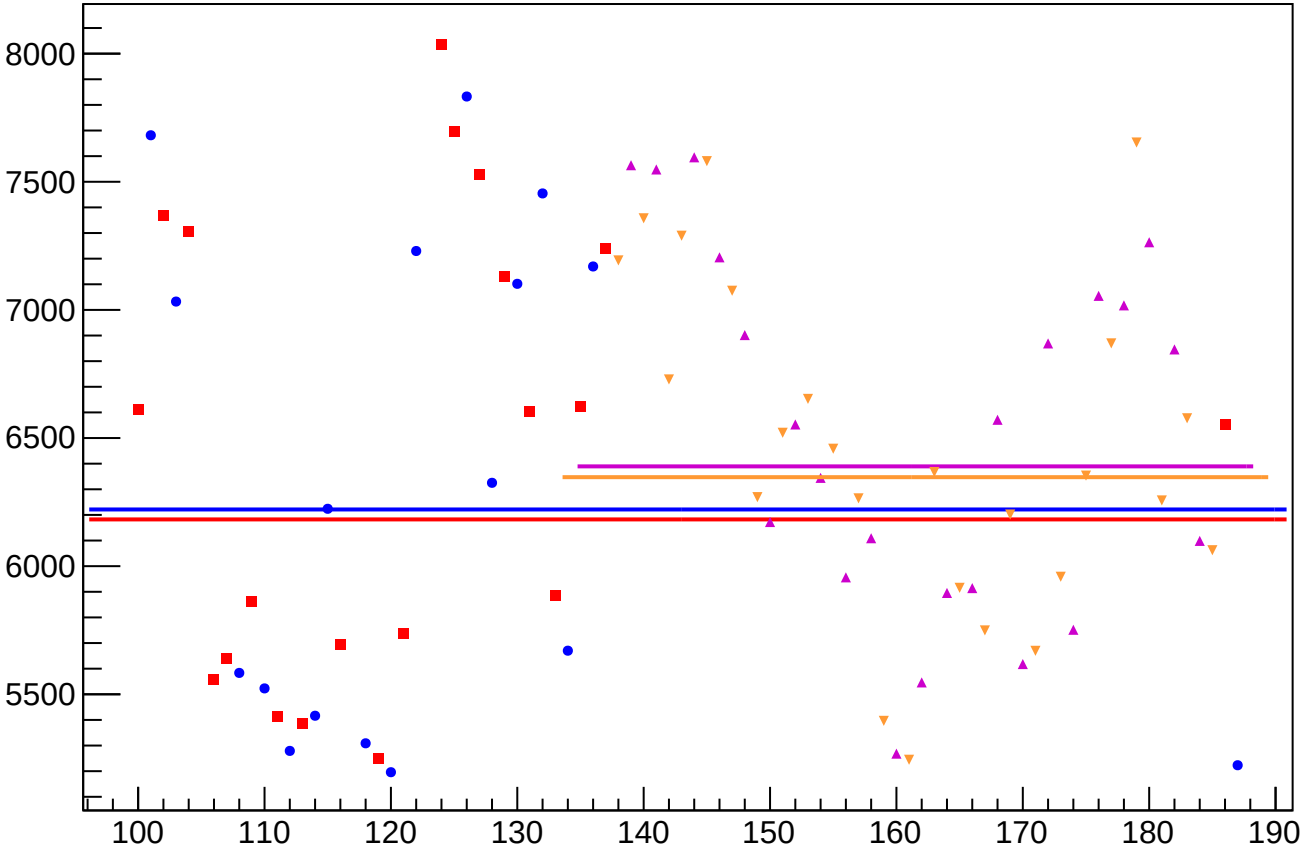
Right: 7.295+/-1.602 χ^2/NDF: 106.9/36

In: -1.863+/-1.265 χ^2/NDF:131.8/39

Out: -4.059+/-1.218 χ^2/NDF:82.9/44

All: -3.002+/-0.877 χ^2/NDF: 216.2/84

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6221.273+/-1.636 χ^2/NDF: 322828.2/16

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6182.435+/-1.569 χ^2/NDF: 267801.7/19

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

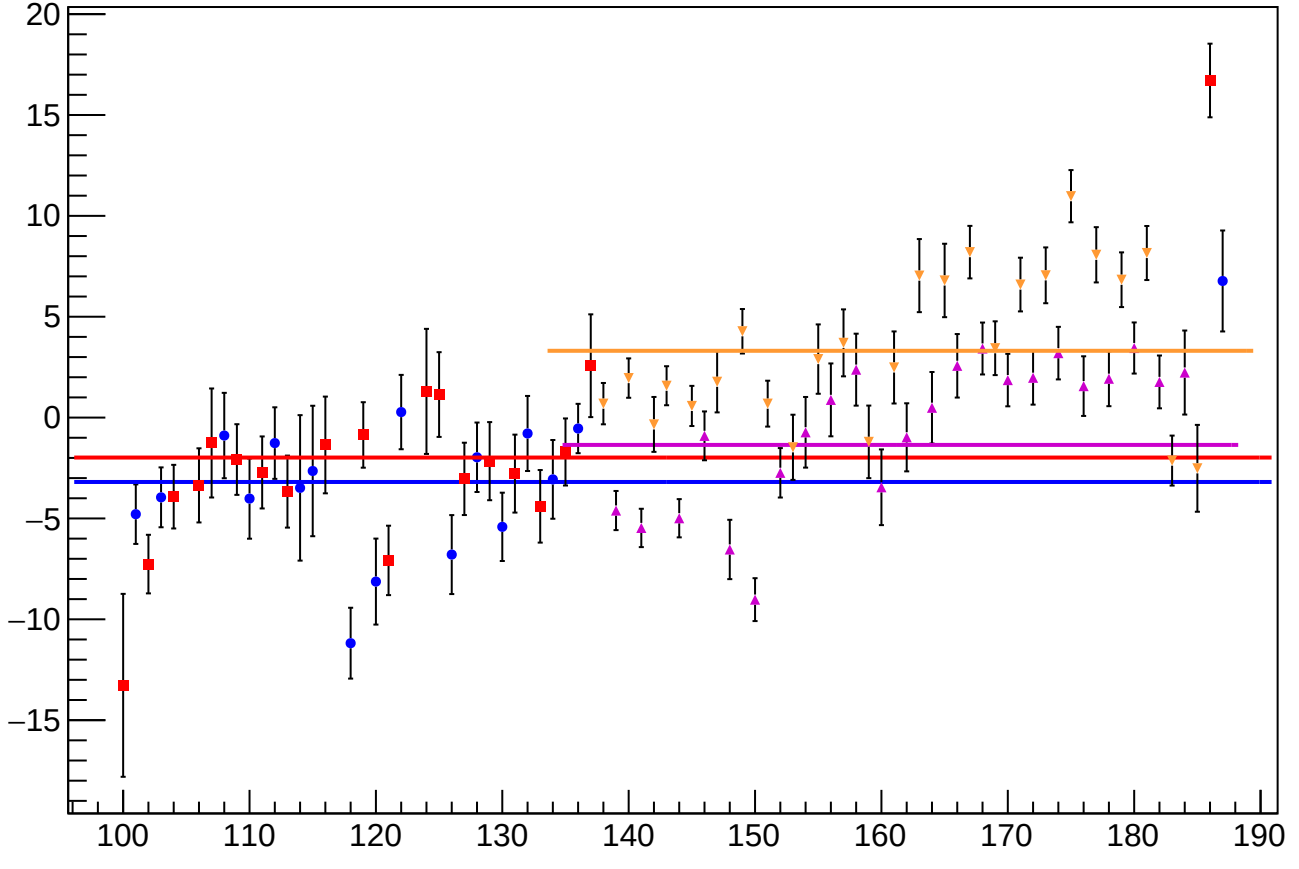
Right: 6201.046+/-1.133 χ^2/NDF: 590923.3/36

In: 6339.203+/-0.894 χ^2/NDF:749992.5/39

Out: 6297.603+/-0.862 χ^2/NDF:661535.7/44

All: 6317.631+/-0.620 χ^2/NDF: 1412650.7/84

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.192+/-0.445 χ^2/NDF: 61.5/16

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -1.981+/-0.426 χ^2/NDF: 145.7/19

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

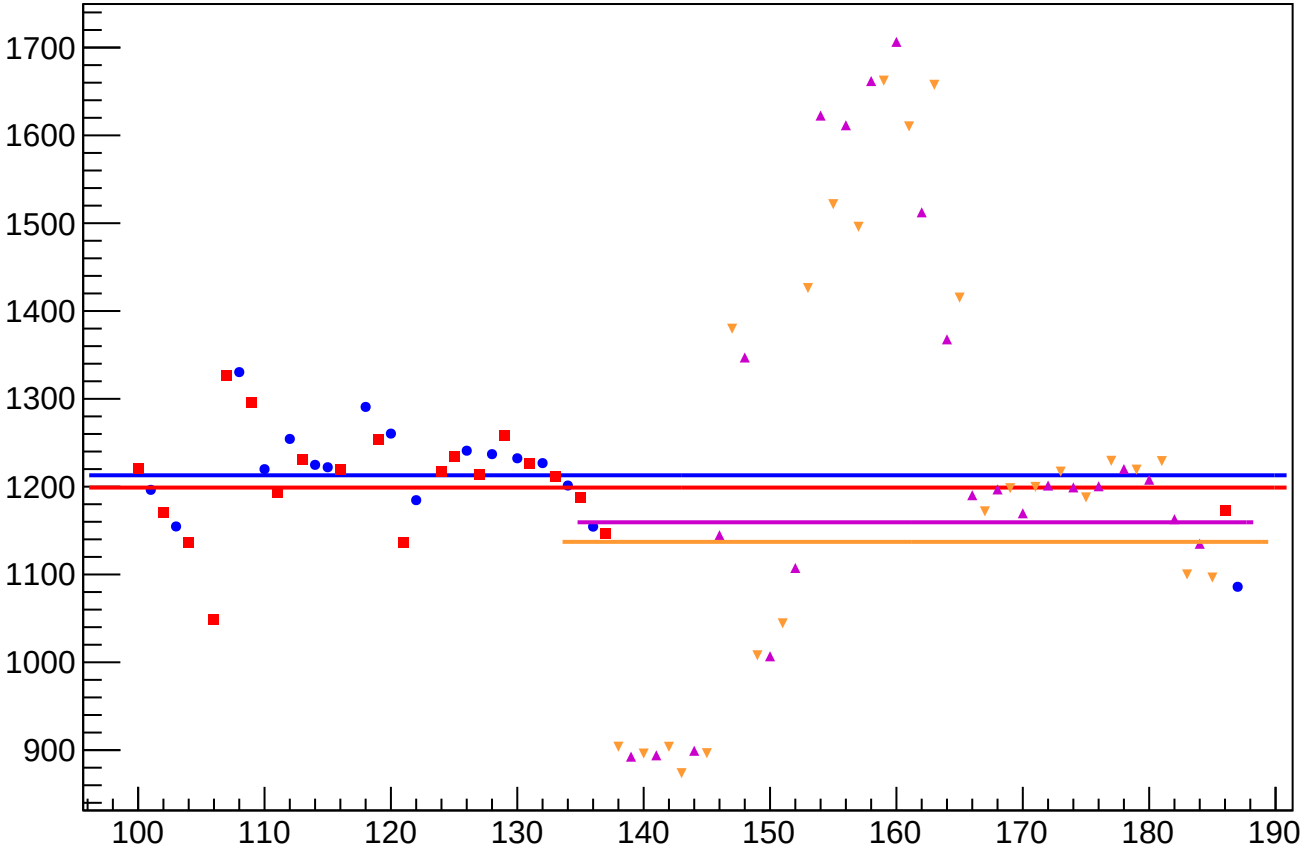
Right: -2.560+/-0.308 χ^2/NDF: 211.0/36

In: -1.867+/-0.235 χ^2/NDF:270.0/39

Out: 1.840+/-0.225 χ^2/NDF:435.0/44

All: 0.070+/-0.162 χ^2/NDF: 835.0/84

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1212.946+/-0.315 χ^2/NDF: 27001.7/16

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1198.965+/-0.301 χ^2/NDF: 38102.4/19

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

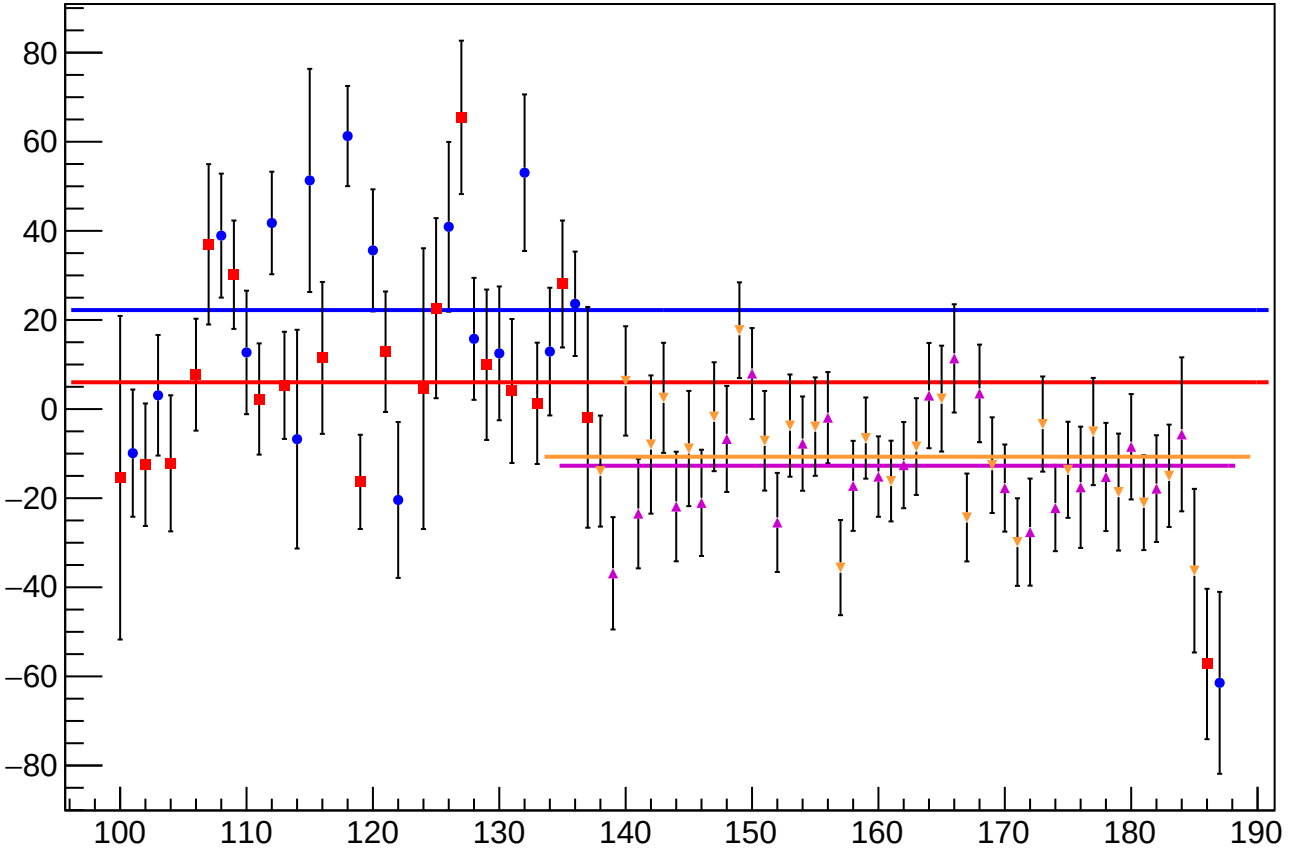
Right: 1205.651+/-0.218 χ^2/NDF: 66133.2/36

In: 1174.341+/-0.166 χ^2/NDF:1307641.6/39

Out: 1154.331+/-0.159 χ^2/NDF:1538163.1/44

All: 1163.889+/-0.115 χ^2/NDF: 2853380.1/84

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 22.218+/-3.572 χ^2/NDF: 55.5/16

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 6.012+/-3.384 χ^2/NDF: 44.7/19

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

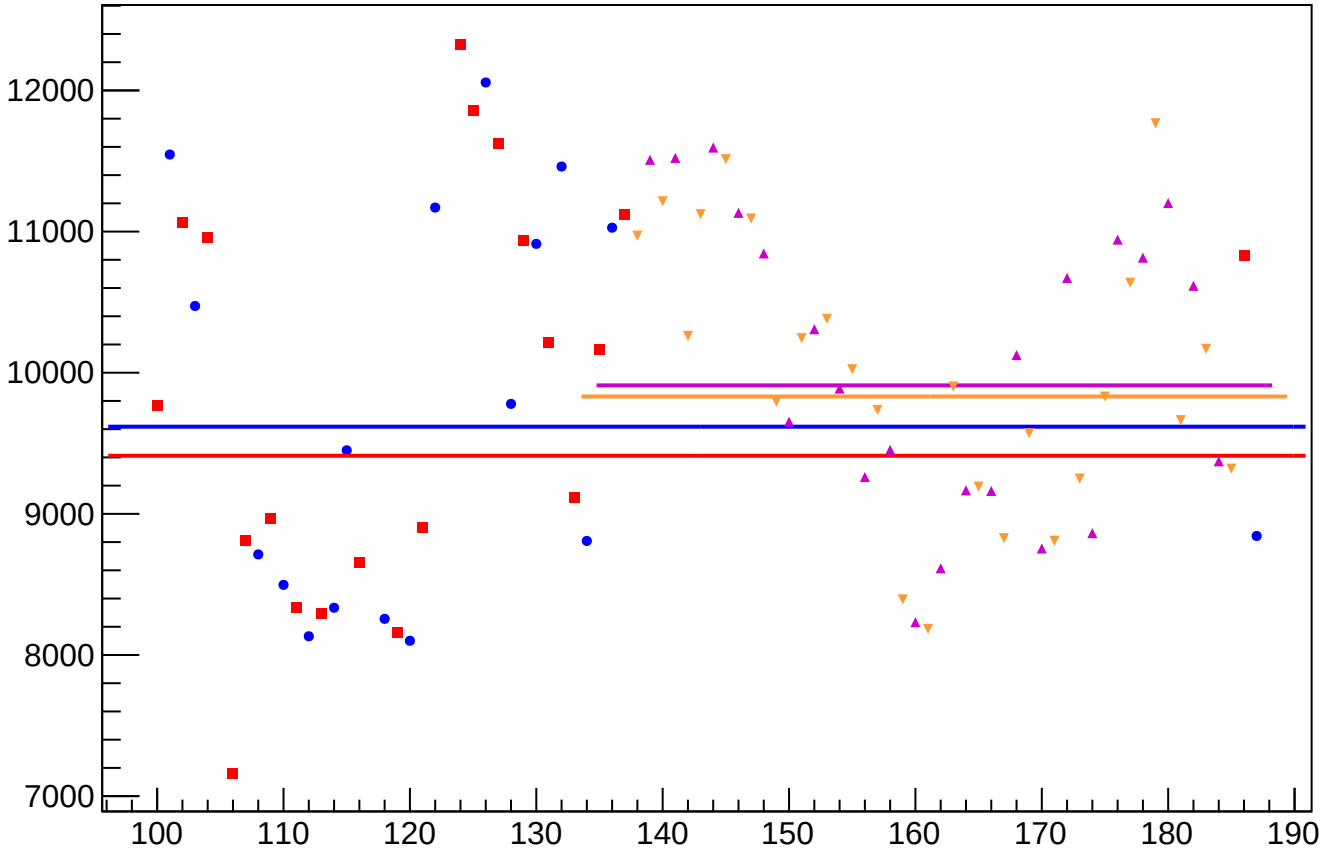
Right: 13.676+/-2.456 χ^2/NDF: 111.1/36

In: -2.223+/-1.958 χ^2/NDF:146.4/39

Out: -5.551+/-1.878 χ^2/NDF:90.3/44

All: -3.956+/-1.355 χ^2/NDF: 238.3/84

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9617.620+/-2.526 χ^2/NDF: 282625.5/16

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9411.758+/-2.393 χ^2/NDF: 316434.1/19

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

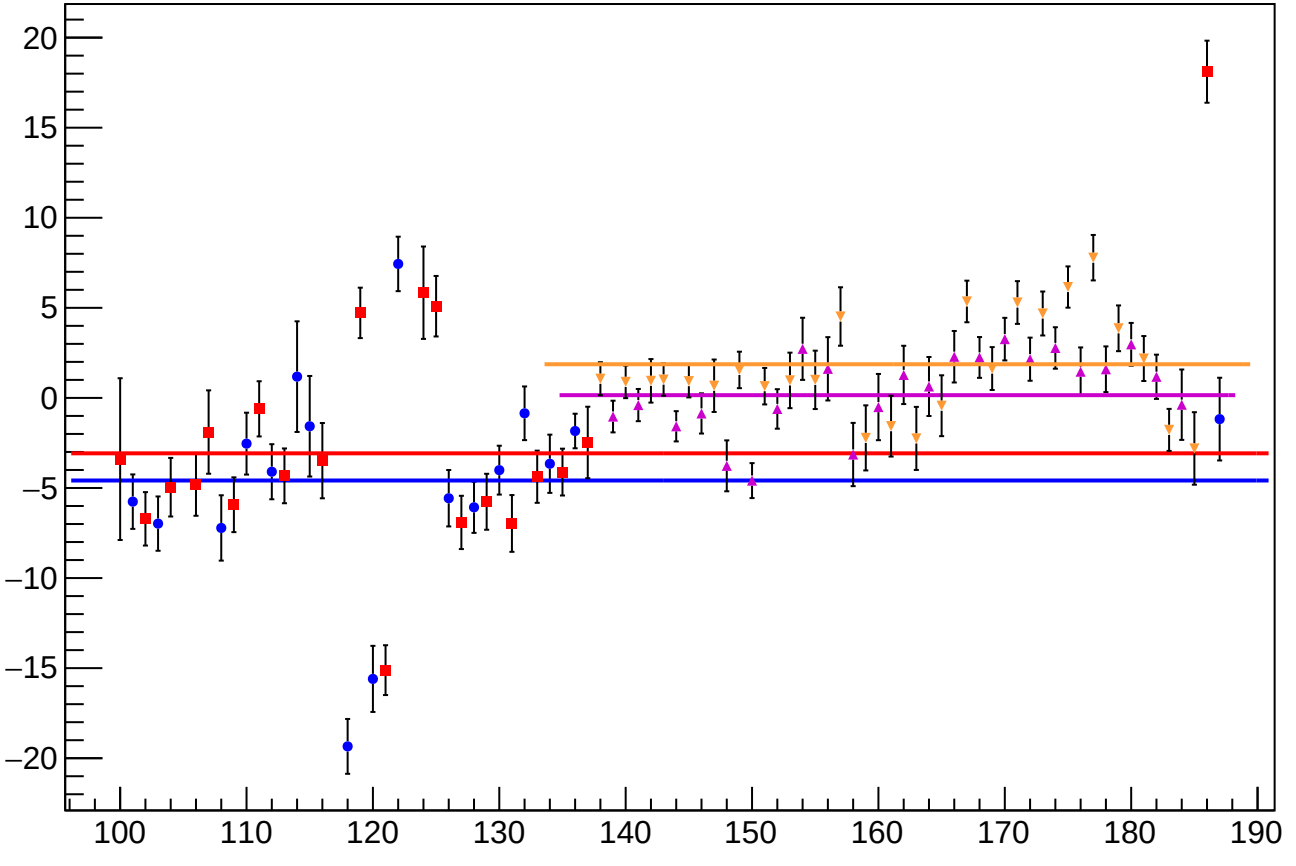
Right: 9509.118+/-1.737 χ^2/NDF: 602560.9/36

In: 9822.367+/-1.384 χ^2/NDF:681386.9/39

Out: 9702.092+/-1.328 χ^2/NDF:693837.8/44

All: 9759.718+/-0.958 χ^2/NDF: 1379156.1/84

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.584+/-0.380 χ^2/NDF: 223.4/16

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -3.076+/-0.368 χ^2/NDF: 326.5/19

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

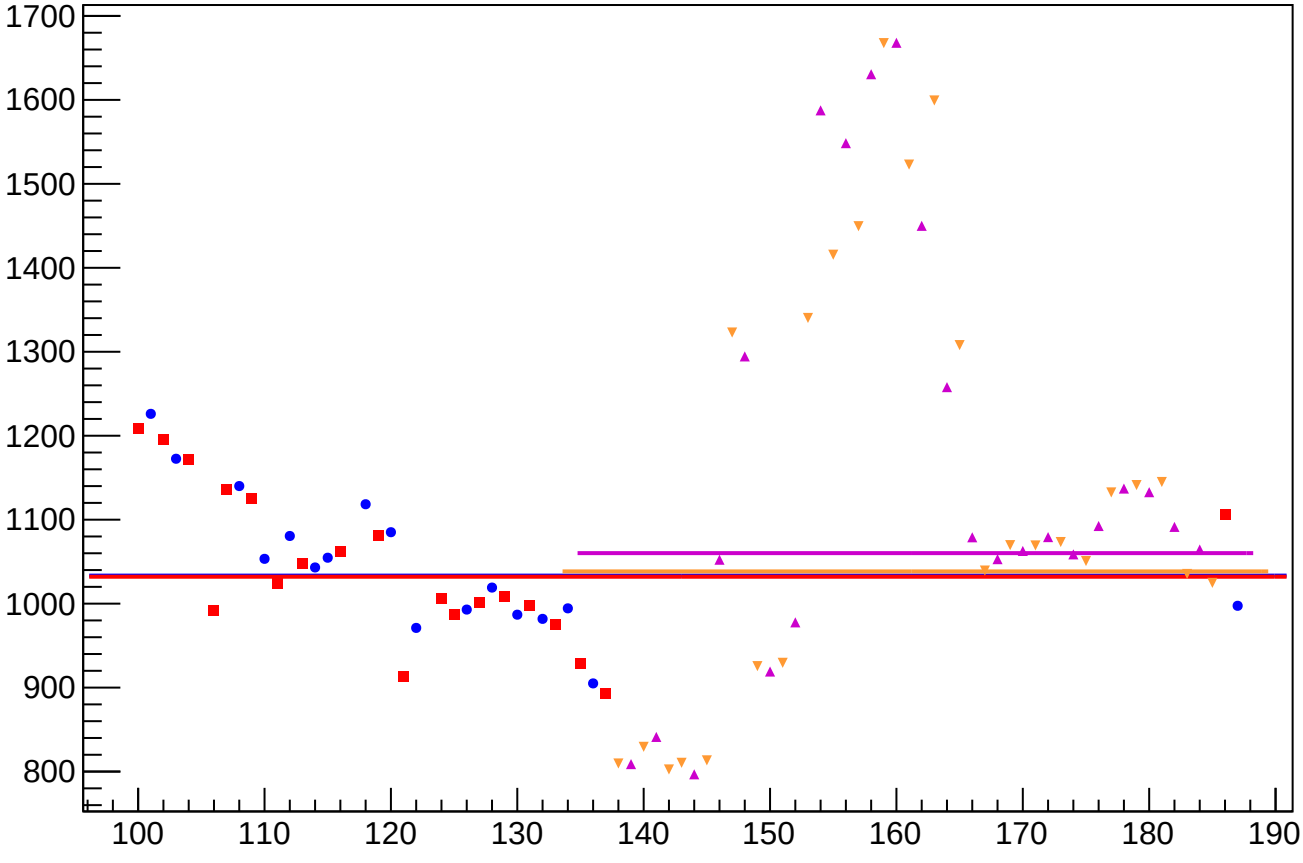
Right: -3.804+/-0.264 χ^2/NDF: 558.1/36

In: -1.312+/-0.212 χ^2/NDF:406.2/39

Out: 0.369+/-0.203 χ^2/NDF:555.7/44

All: -0.435+/-0.146 χ^2/NDF: 994.8/84

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1033.387+/-0.269 χ^2/NDF: 113782.8/16

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 1032.065+/-0.260 χ^2/NDF: 105560.3/19

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

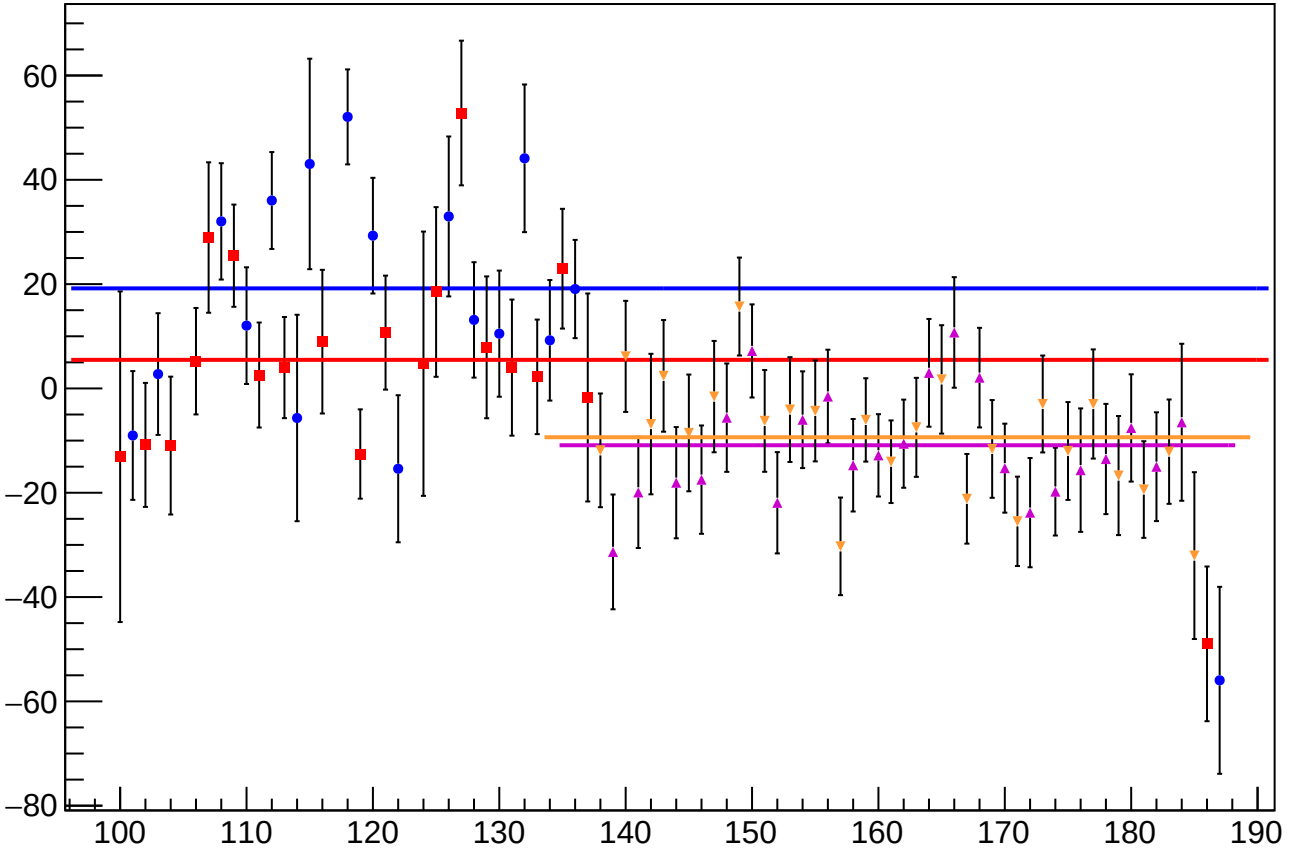
Right: 1032.704+/-0.187 χ^2/NDF: 219355.6/36

In: 1051.886+/-0.150 χ^2/NDF:1643846.5/39

Out: 1036.482+/-0.143 χ^2/NDF:1812657.4/44

All: 1043.849+/-0.103 χ^2/NDF: 3462037.1/84

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 19.184+/-2.913 χ^2/NDF: 58.1/16

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 5.480+/-2.761 χ^2/NDF: 43.8/19

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

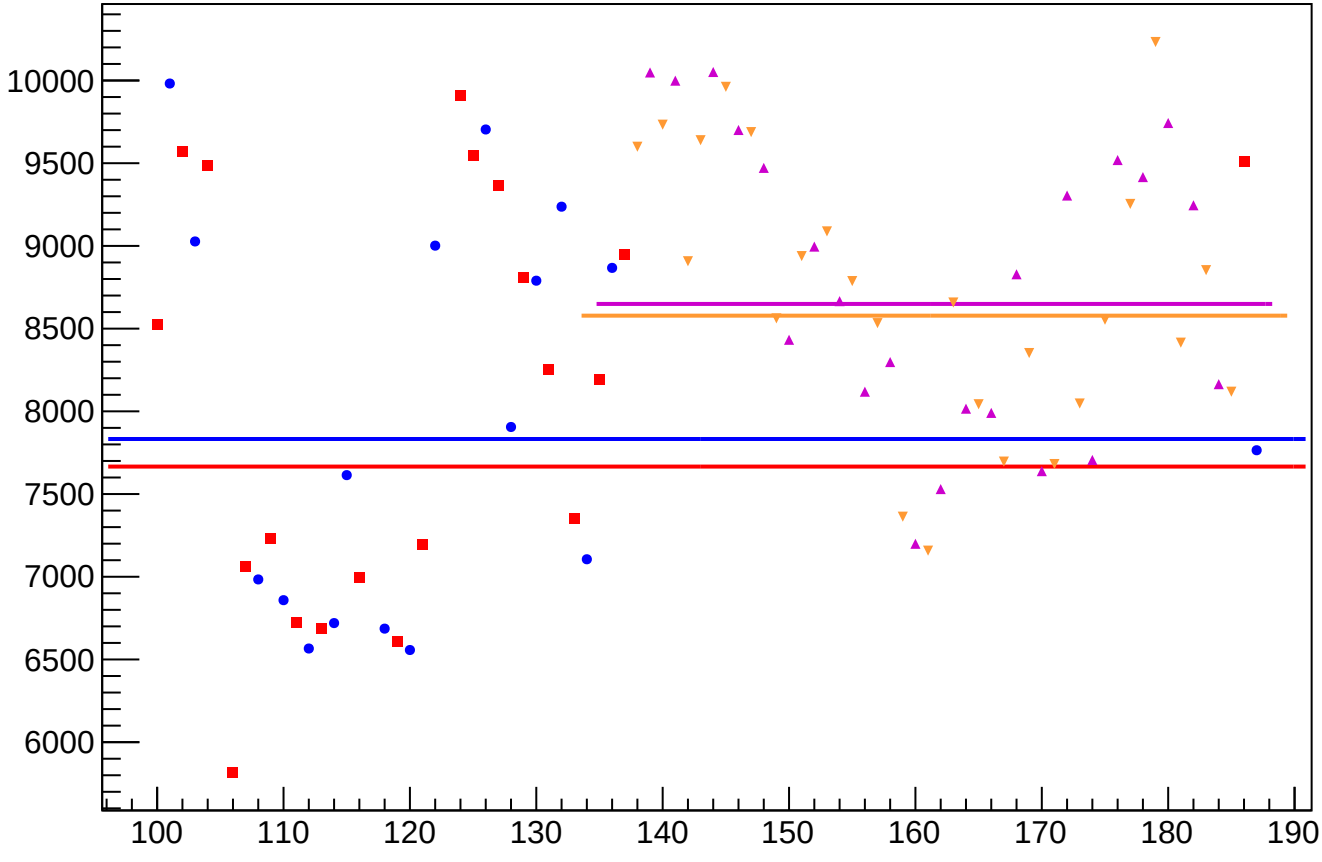
Right: 11.967+/-2.004 χ^2/NDF: 113.6/36

In: -0.977+/-1.672 χ^2/NDF:153.2/39

Out: -4.354+/-1.603 χ^2/NDF:91.4/44

All: -2.736+/-1.157 χ^2/NDF: 246.7/84

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7832.775+/-2.059 χ^2/NDF: 318119.1/16

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7666.054+/-1.952 χ^2/NDF: 376415.0/19

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

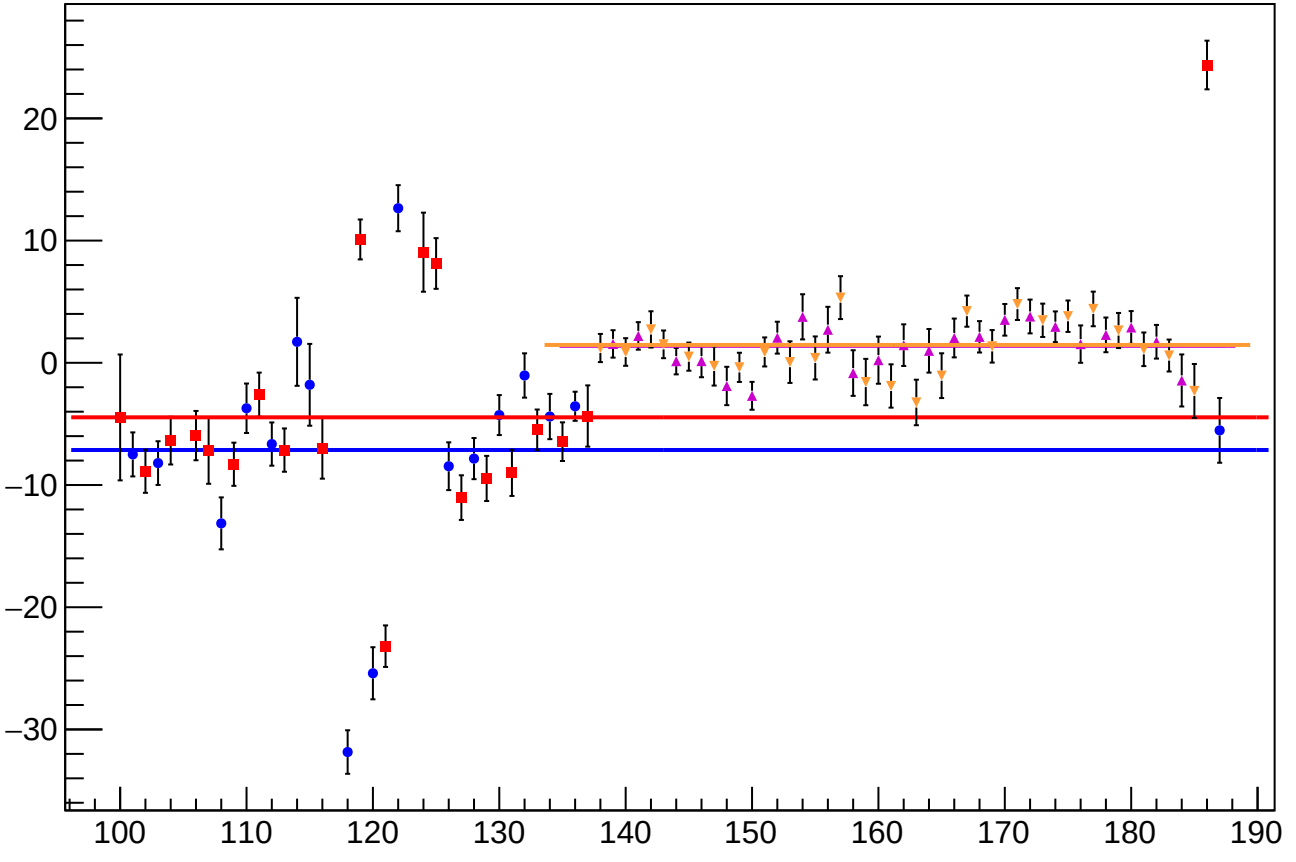
Right: 7744.969+/-1.417 χ^2/NDF: 697985.5/36

In: 8380.078+/-1.182 χ^2/NDF:801402.3/39

Out: 8270.809+/-1.134 χ^2/NDF:864874.1/44

All: 8323.141+/-0.818 χ^2/NDF: 1670725.8/84

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.134+/-0.455 χ^2/NDF: 422.6/16

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -4.461+/-0.438 χ^2/NDF: 510.6/19

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

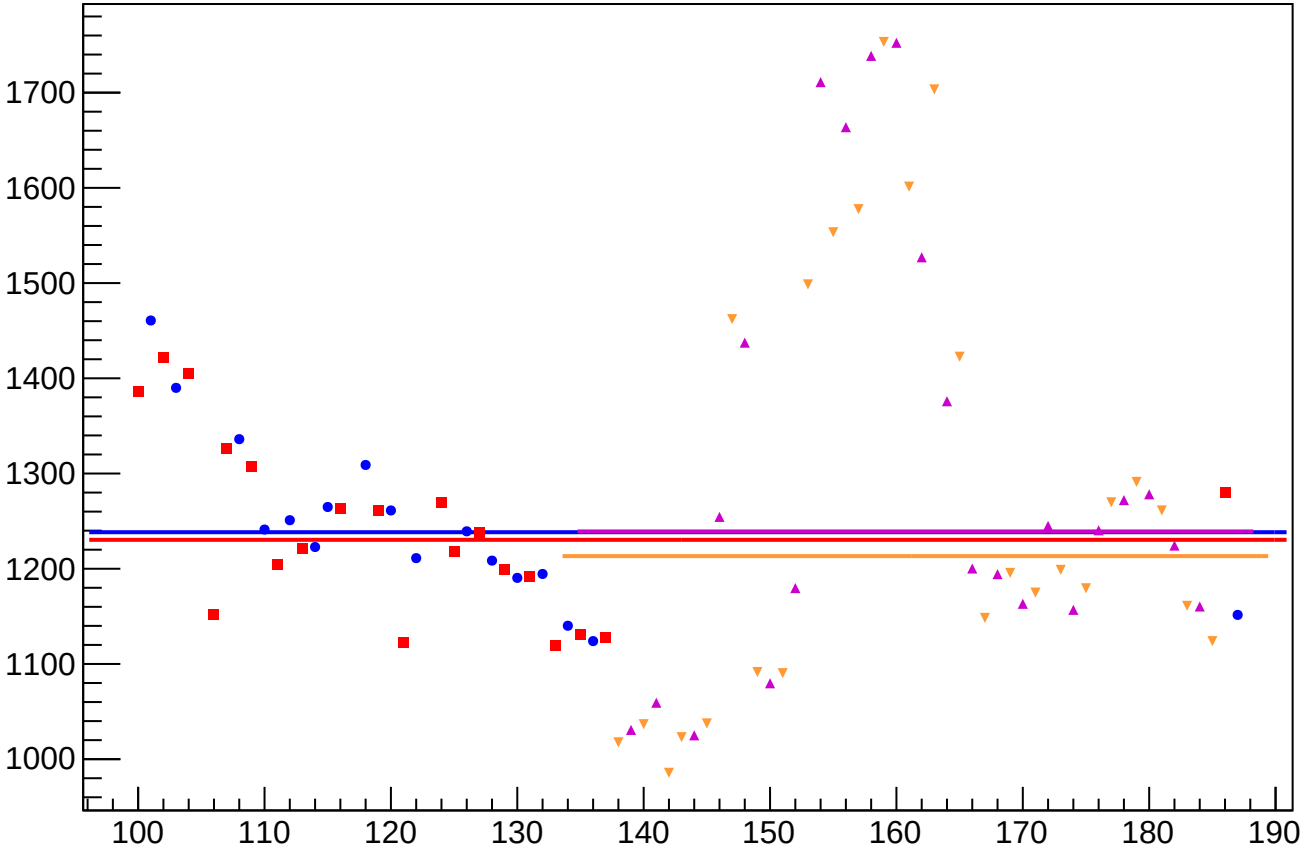
Right: -5.745+/-0.316 χ^2/NDF: 951.2/36

In: -1.120+/-0.247 χ^2/NDF:705.2/39

Out: -0.261+/-0.236 χ^2/NDF:691.2/44

All: -0.671+/-0.171 χ^2/NDF: 1402.8/84

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1238.365+/-0.322 χ^2/NDF: 82864.6/16

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1230.383+/-0.310 χ^2/NDF: 83638.8/19

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

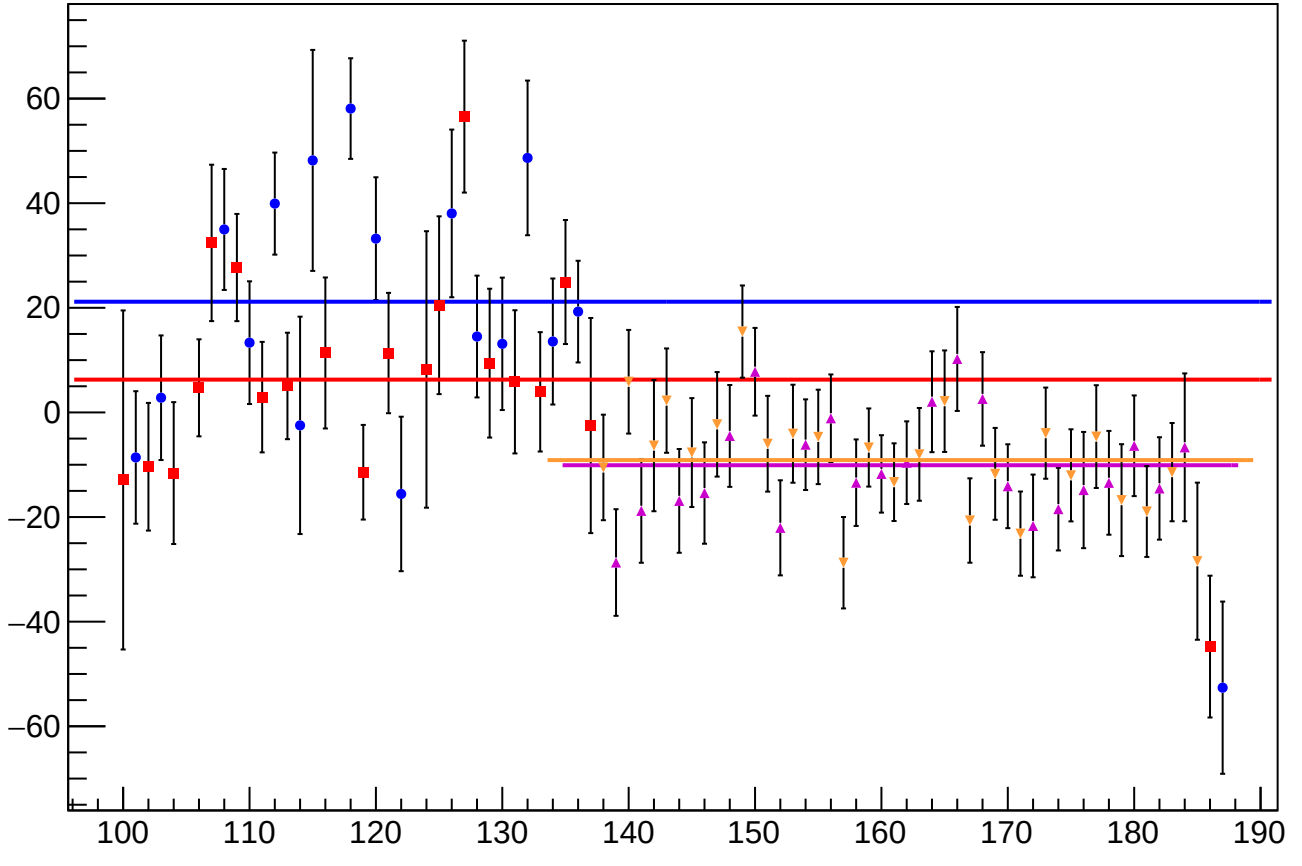
Right: 1234.220+/-0.223 χ^2/NDF: 166822.4/36

In: 1238.936+/-0.175 χ^2/NDF:968465.7/39

Out: 1218.240+/-0.167 χ^2/NDF:1098567.7/44

All: 1228.121+/-0.121 χ^2/NDF: 2074360.8/84

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 21.164+/-3.029 χ^2/NDF: 64.2/16

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 6.273+/-2.835 χ^2/NDF: 45.3/19

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

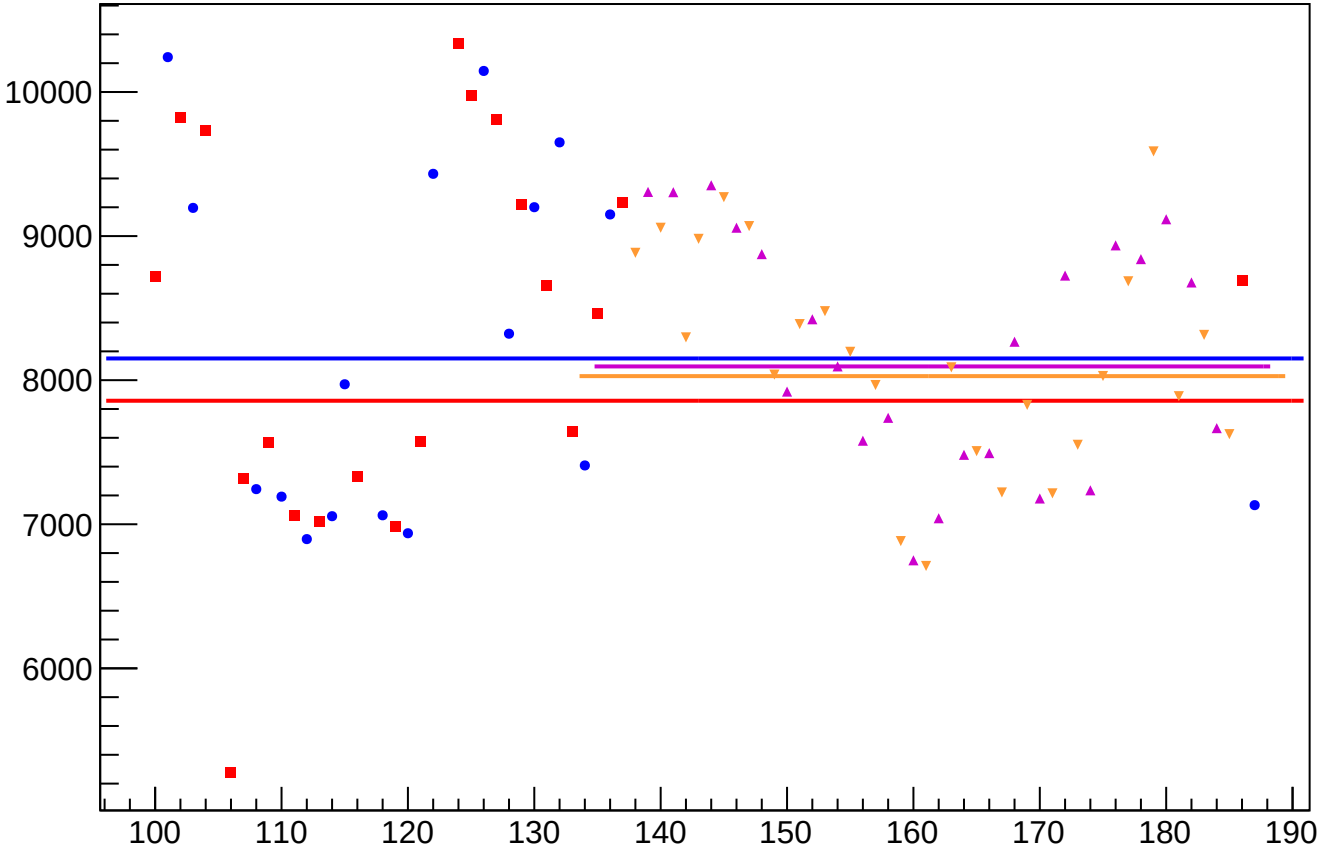
Right: 13.227+/-2.070 χ^2/NDF: 122.4/36

In: -1.192+/-1.616 χ^2/NDF:164.7/39

Out: -4.545+/-1.545 χ^2/NDF:94.8/44

All: -2.944+/-1.117 χ^2/NDF: 261.7/84

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8150.693+/-2.142 χ^2/NDF: 298545.1/16

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7857.234+/-2.005 χ^2/NDF: 430963.4/19

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

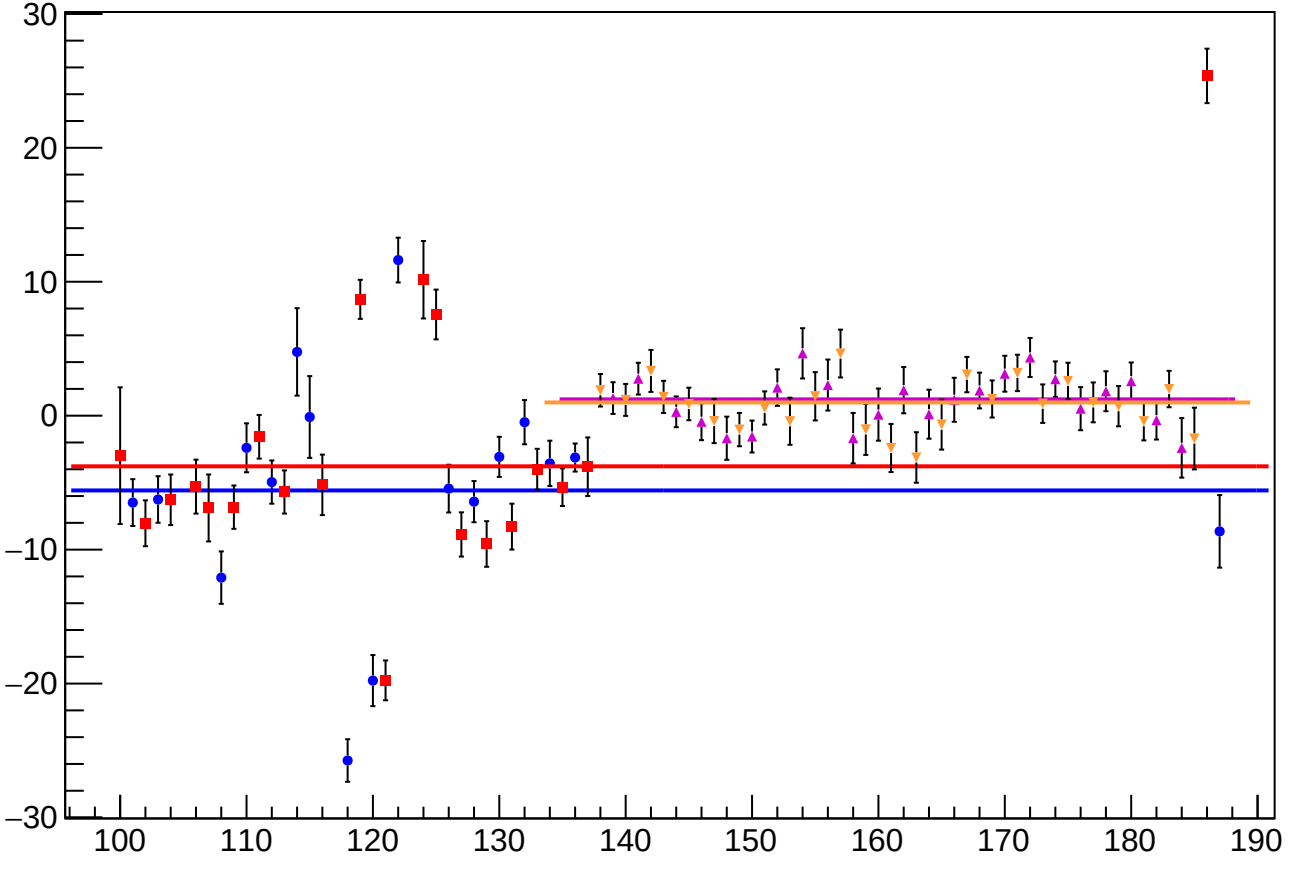
Right: 7994.269+/-1.464 χ^2/NDF: 739516.3/36

In: 8111.124+/-1.143 χ^2/NDF:666473.9/39

Out: 7977.328+/-1.092 χ^2/NDF:768526.6/44

All: 8041.201+/-0.790 χ^2/NDF: 1442162.3/84

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.580+/-0.416 χ^2/NDF: 371.1/16

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -3.780+/-0.402 χ^2/NDF: 501.2/19

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

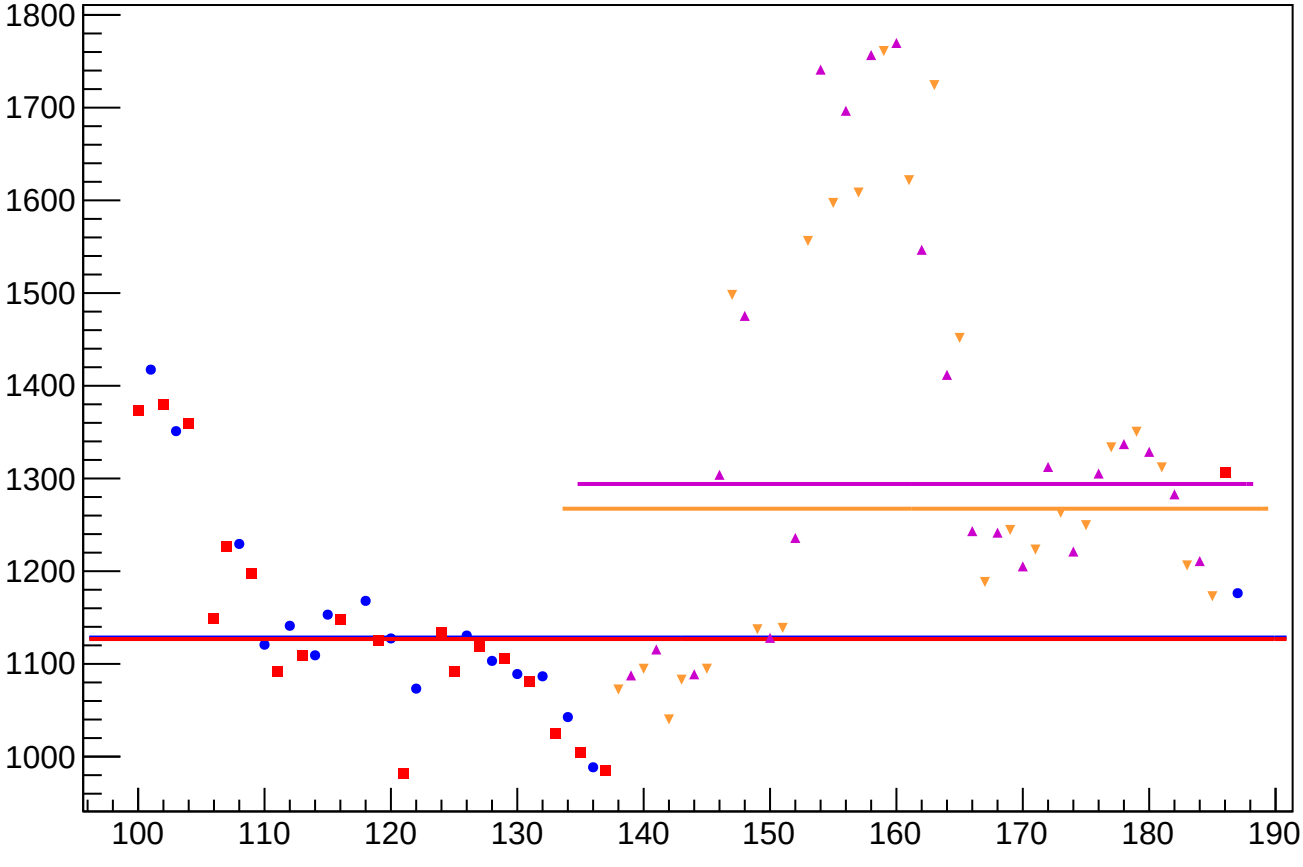
Right: -4.650+/-0.289 χ^2/NDF: 882.0/36

In: -1.175+/-0.247 χ^2/NDF:577.4/39

Out: -0.660+/-0.236 χ^2/NDF:624.2/44

All: -0.906+/-0.171 χ^2/NDF: 1203.9/84

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1128.445+/-0.294 χ^2/NDF: 141255.2/16

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1126.807+/-0.284 χ^2/NDF: 157058.3/19

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

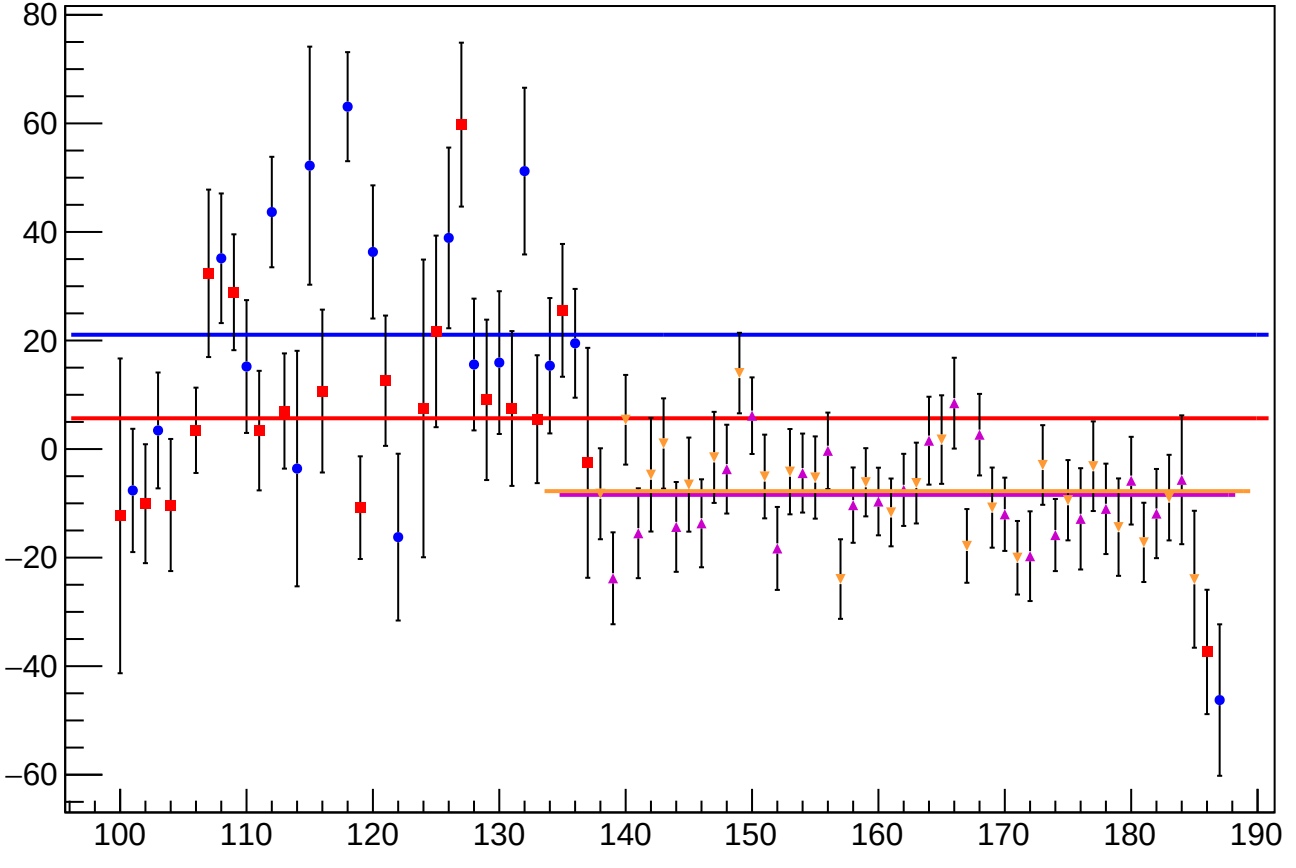
Right: 1127.599+/-0.204 χ^2/NDF: 298329.5/36

In: 1235.760+/-0.174 χ^2/NDF:1104987.4/39

Out: 1218.804+/-0.167 χ^2/NDF:1195384.9/44

All: 1226.921+/-0.121 χ^2/NDF: 2305295.0/84

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 21.064+/-3.060 χ^2/NDF: 72.8/16

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 5.672+/-2.803 χ^2/NDF: 46.2/19

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

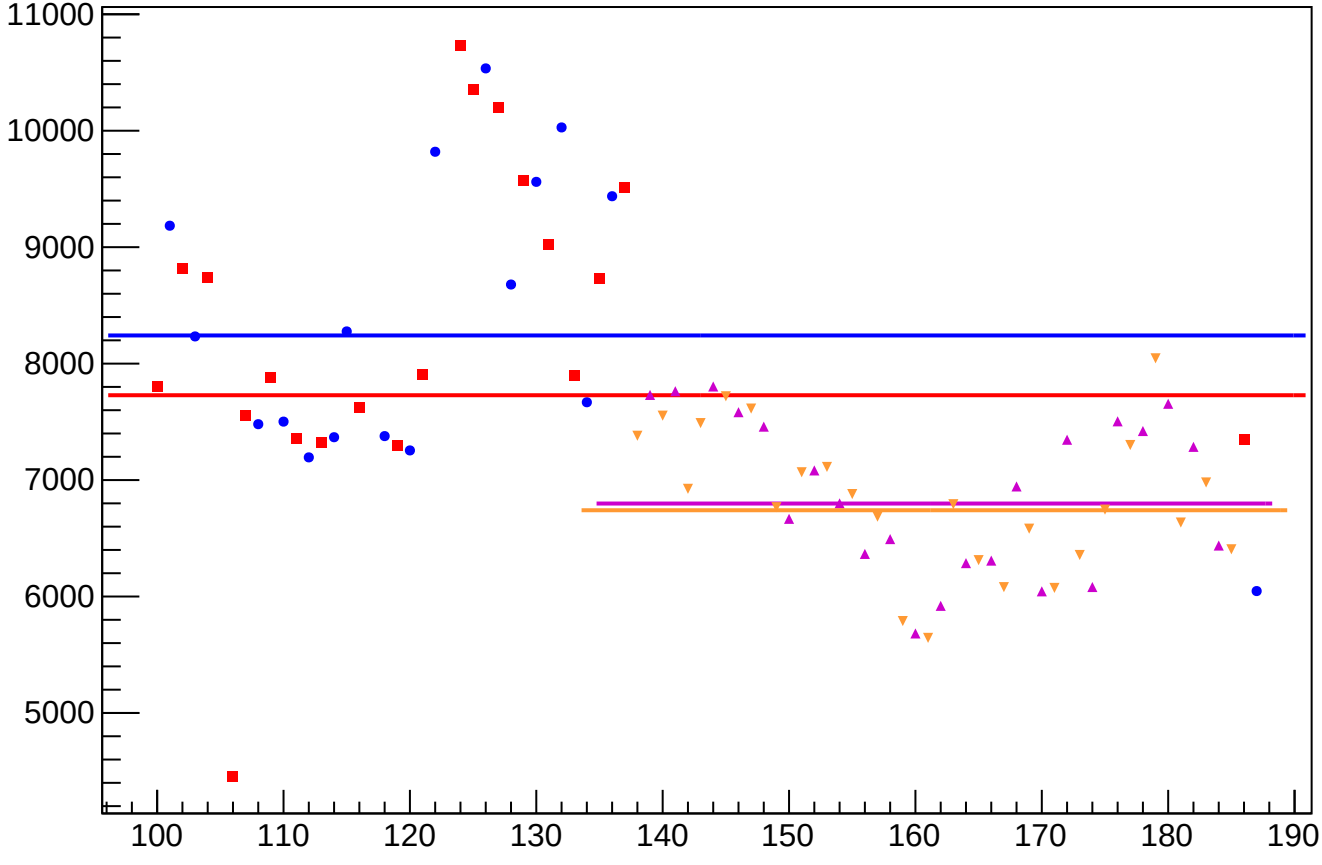
Right: 12.695+/-2.067 χ^2/NDF: 132.7/36

In: -2.074+/-1.421 χ^2/NDF:170.5/39

Out: -4.619+/-1.354 χ^2/NDF:94.2/44

All: -3.408+/-0.980 χ^2/NDF: 266.3/84

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8241.896+/-2.164 χ^2/NDF: 272394.6/16

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7728.572+/-1.982 χ^2/NDF: 590394.5/19

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

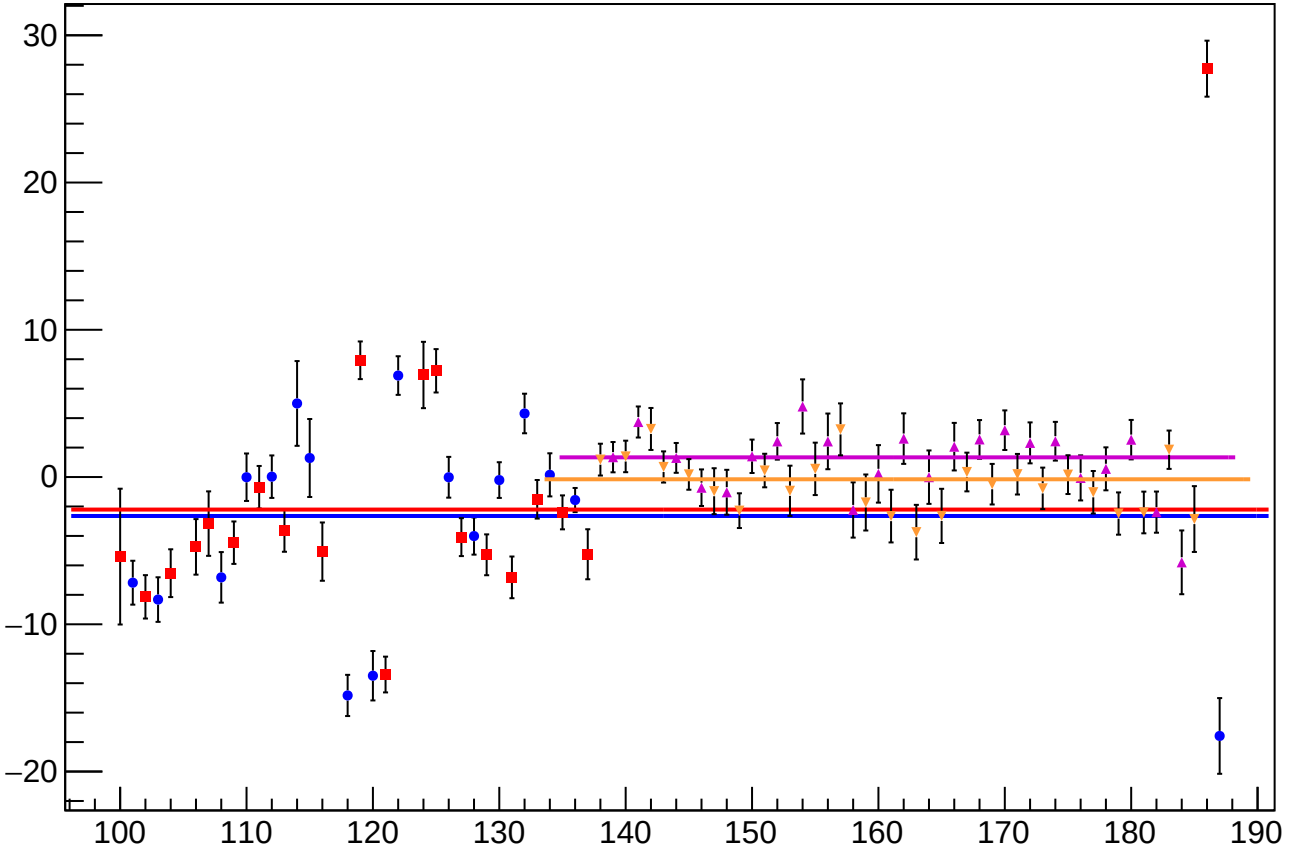
Right: 7962.799+/-1.462 χ^2/NDF: 893393.5/36

In: 7109.855+/-1.005 χ^2/NDF:974713.6/39

Out: 6971.354+/-0.958 χ^2/NDF:1097480.5/44

All: 7037.267+/-0.693 χ^2/NDF: 2082150.8/84

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.645+/-0.347 χ^2/NDF: 290.0/16

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -2.209+/-0.341 χ^2/NDF: 506.7/19

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

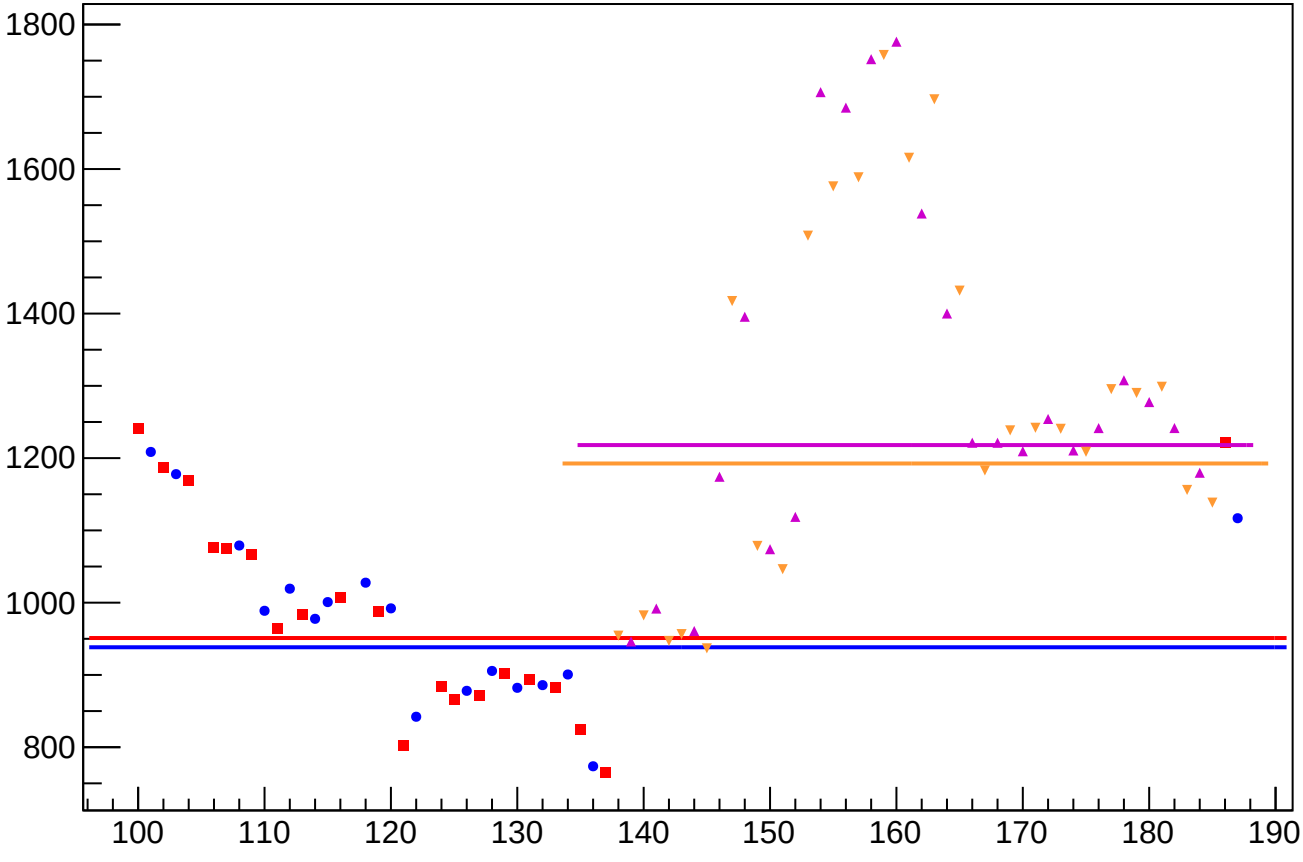
Right: -2.423+/-0.243 χ^2/NDF: 797.4/36

In: -0.300+/-0.223 χ^2/NDF:411.4/39

Out: -0.970+/-0.215 χ^2/NDF:564.7/44

All: -0.647+/-0.155 χ^2/NDF: 980.8/84

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 938.293+/-0.246 χ^2/NDF: 264191.4/16

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 951.083+/-0.241 χ^2/NDF: 274389.8/19

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

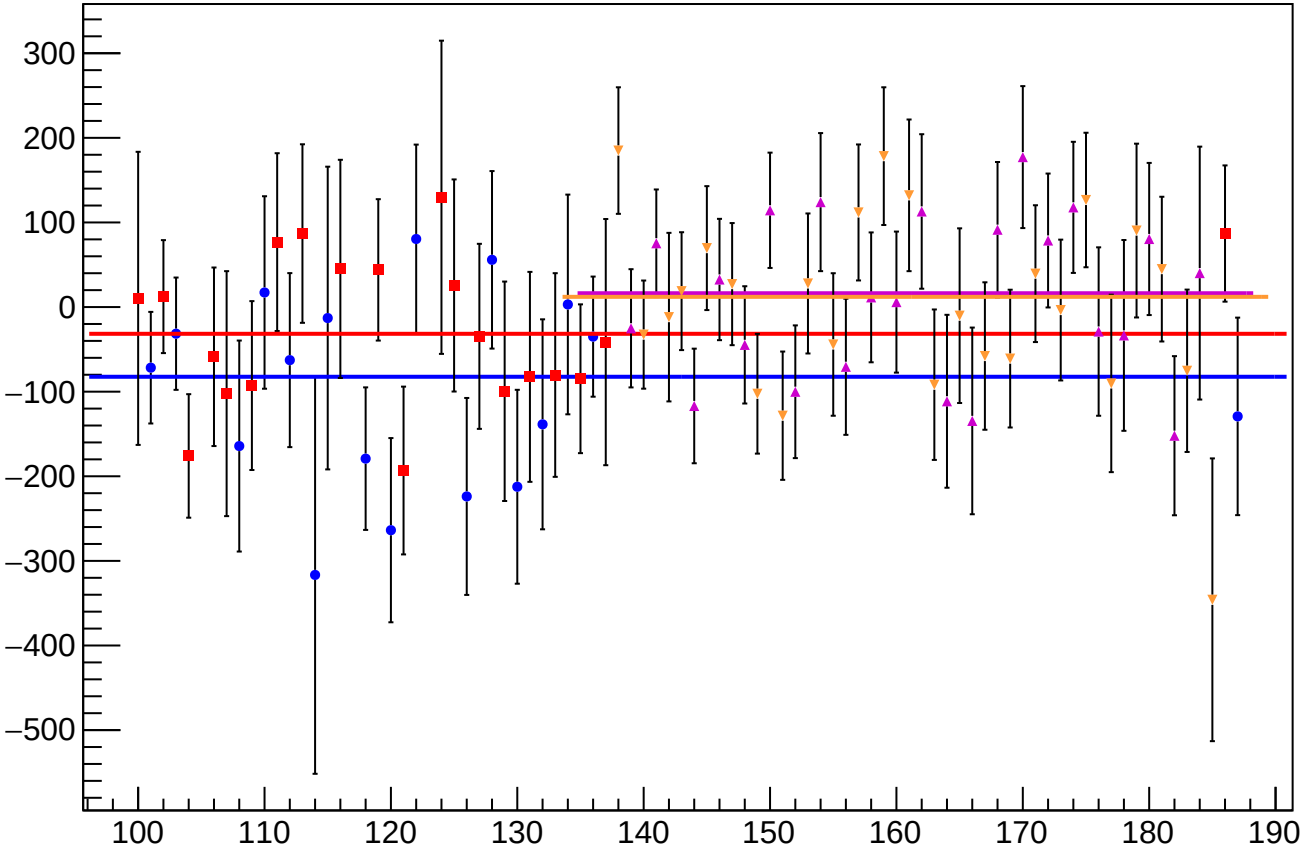
Right: 944.809+/-0.172 χ^2/NDF: 539963.5/36

In: 1103.031+/-0.157 χ^2/NDF:2156556.6/39

Out: 1096.617+/-0.152 χ^2/NDF:2199916.7/44

All: 1099.709+/-0.109 χ^2/NDF: 4357332.9/84

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -82.383+/-24.360 χ^2/NDF: 15.0/16

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: -31.606+/-23.127 χ^2/NDF: 15.3/19

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

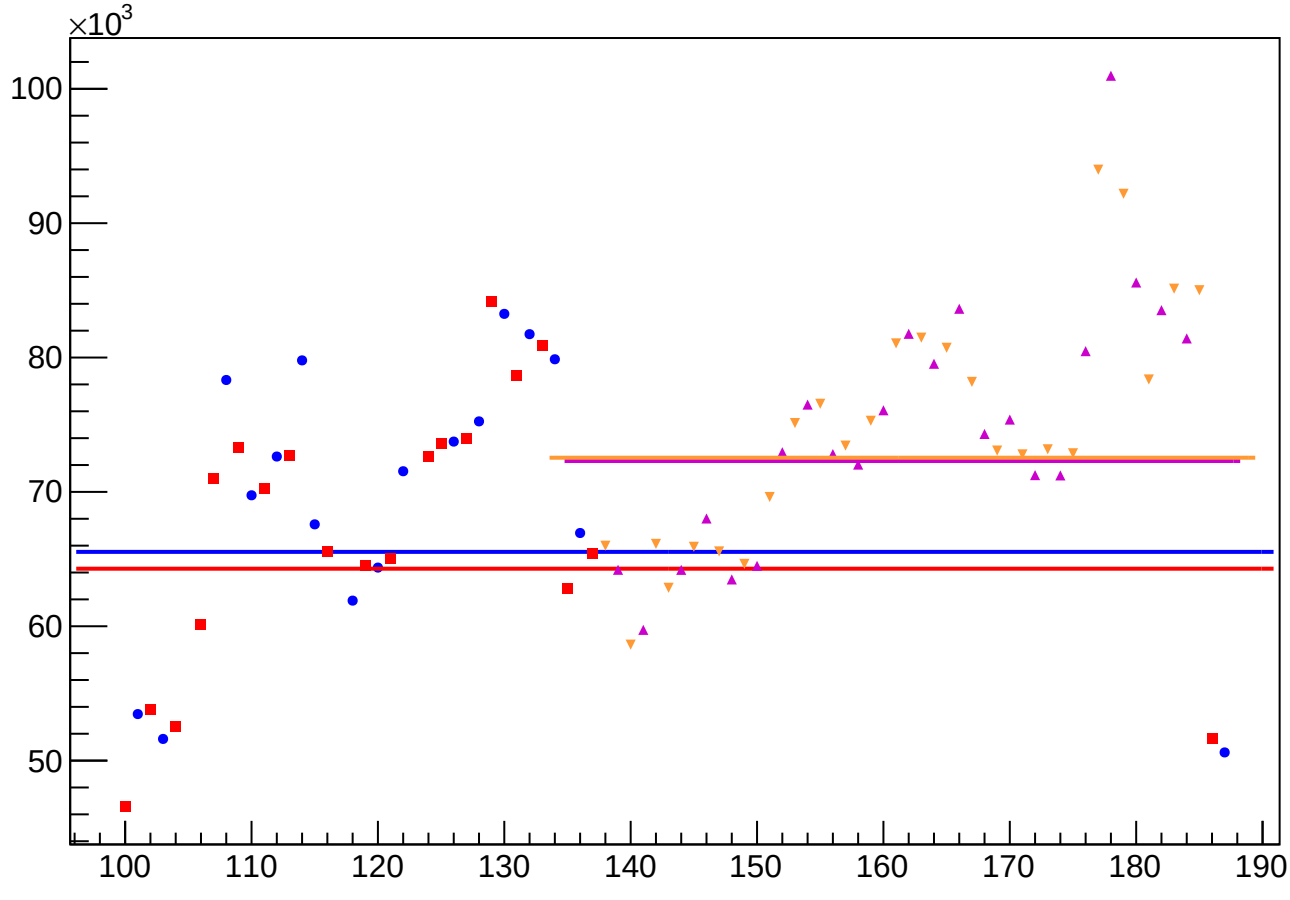
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: -55.676+/-16.772 χ^2/NDF: 32.6/36

In: -16.038+/-13.951 χ^2/NDF:54.7/39

Out: -2.783+/-13.490 χ^2/NDF:50.5/44

All: -9.188+/-9.698 χ^2/NDF: 105.7/84



Right In: 65536.343+/-17.225 χ^2/NDF: 372573.8/16

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 64284.449+/-16.353 χ^2/NDF: 358033.2/19

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

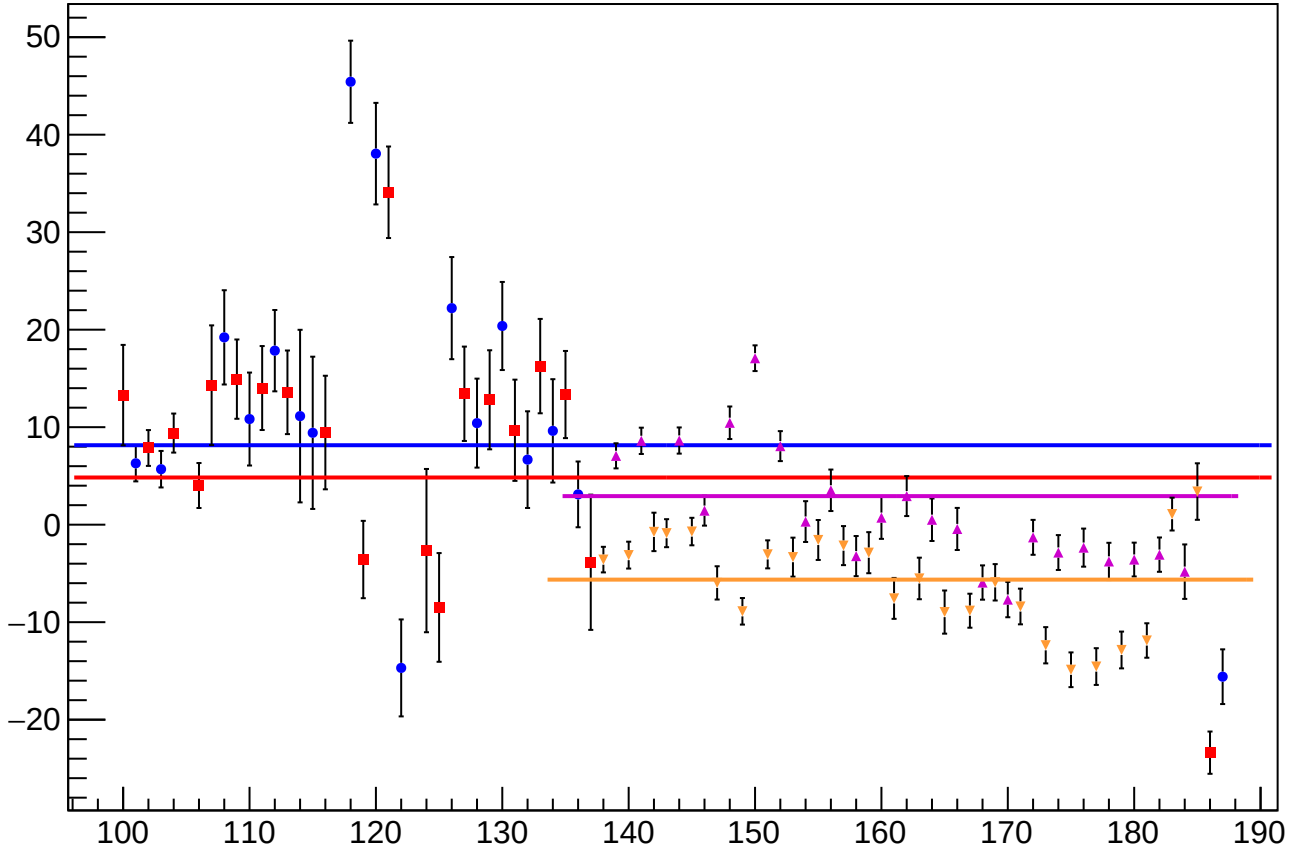
Right: 64877.900+/-11.860 χ^2/NDF: 733385.0/36

In: 70082.155+/-9.865 χ^2/NDF:964985.4/39

Out: 69734.011+/-9.539 χ^2/NDF:1026416.4/44

All: 69902.238+/-6.857 χ^2/NDF: 1992045.4/8

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 8.149+/-0.875 χ^2/NDF: 234.9/16

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 4.839+/-0.791 χ^2/NDF: 265.3/19

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

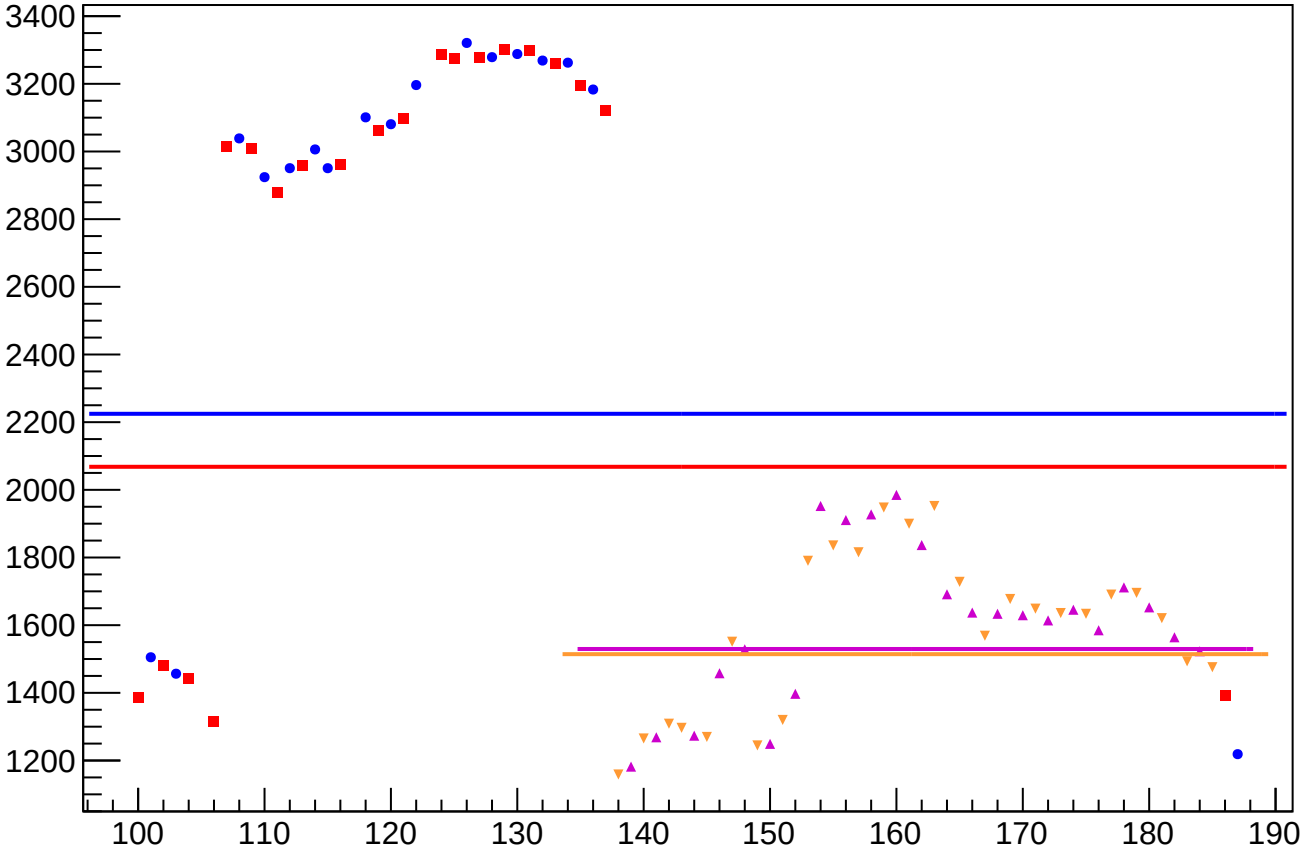
Right: 6.329+/-0.587 χ^2/NDF: 508.0/36

In: 3.693+/-0.335 χ^2/NDF:602.6/39

Out: -3.930+/-0.319 χ^2/NDF:590.1/44

All: -0.297+/-0.231 χ^2/NDF: 1464.3/84

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2224.742+/-0.618 χ^2/NDF: 1936147.3/16

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 2068.123+/-0.560 χ^2/NDF: 2208268.3/19

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

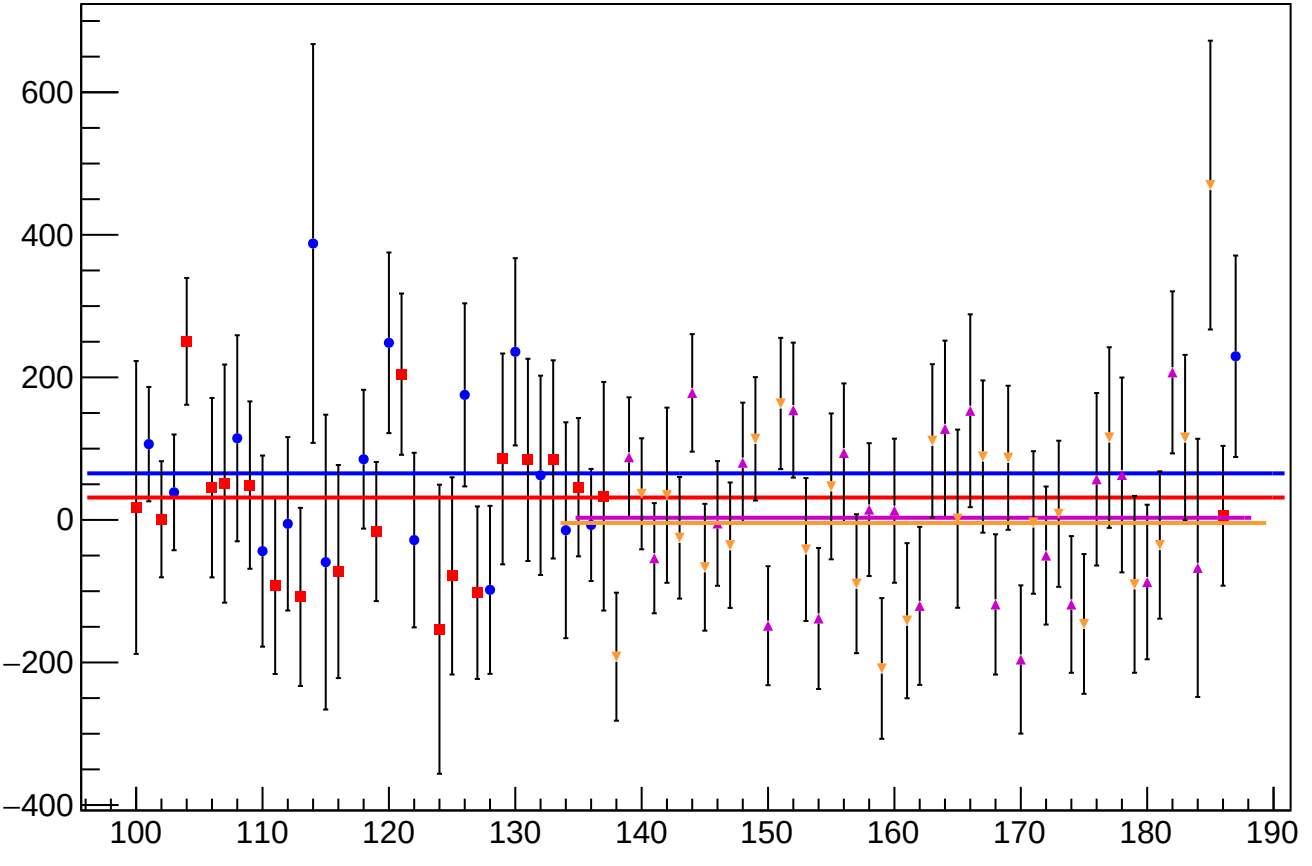
Right: 2138.625+/-0.415 χ^2/NDF: 4179674.5/36

In: 1631.417+/-0.237 χ^2/NDF:3842776.7/39

Out: 1604.508+/-0.226 χ^2/NDF:3961427.6/44

All: 1617.332+/-0.163 χ^2/NDF: 7810971.4/84

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 65.322+/-28.331 χ^2/NDF: 12.7/16

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: 31.417+/-27.018 χ^2/NDF: 14.7/19

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

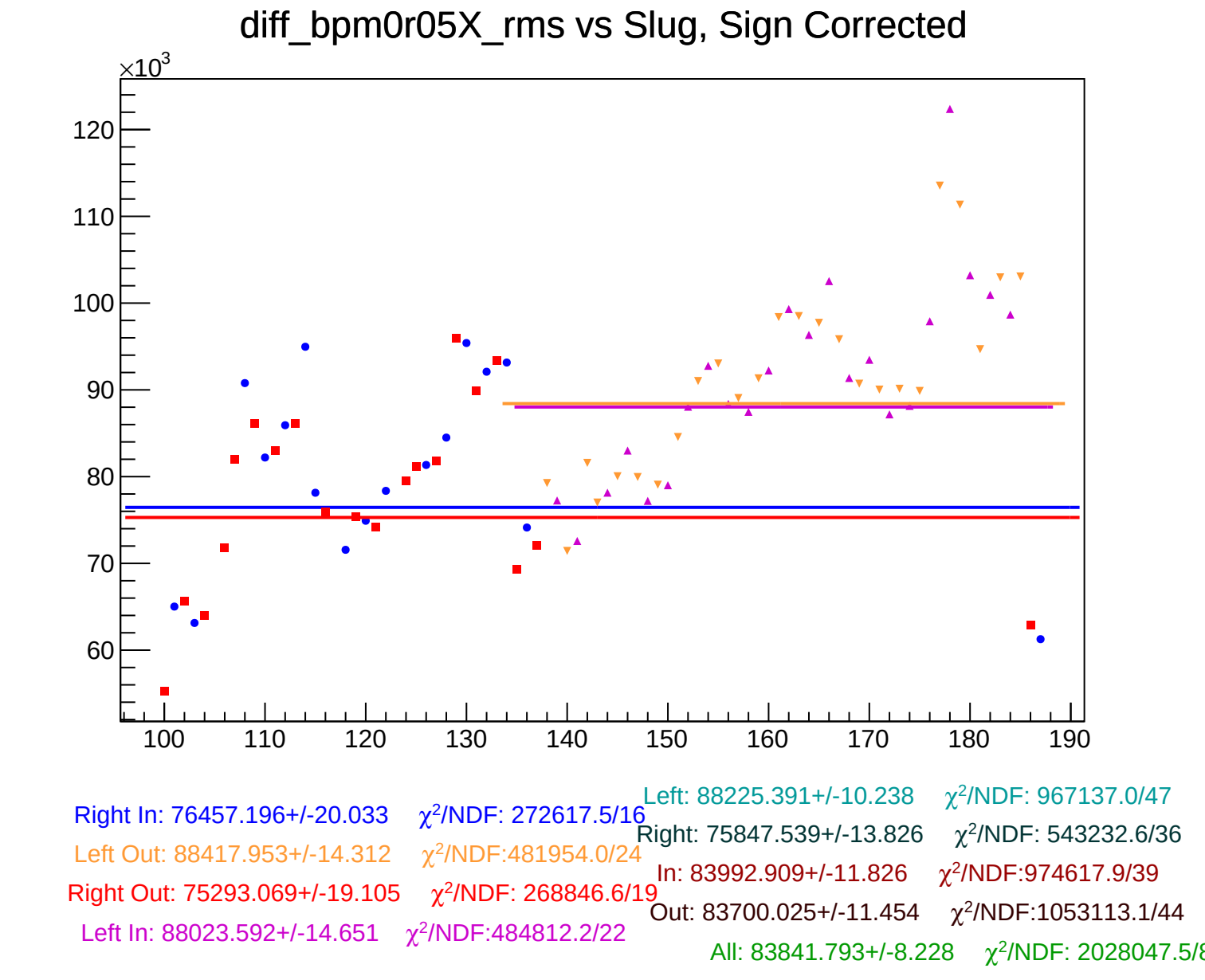
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 47.566+/-19.552 χ^2/NDF: 28.2/36

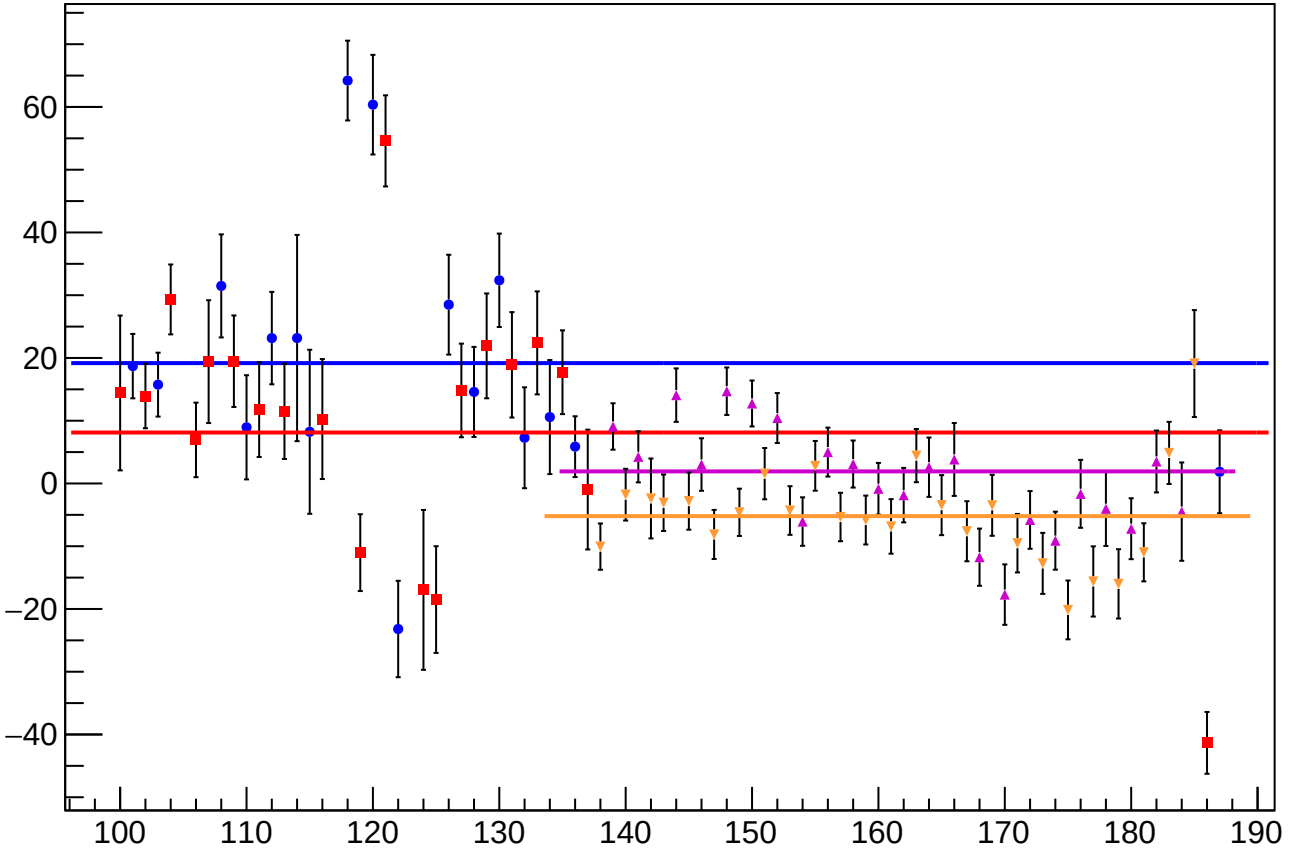
In: 24.729+/-16.724 χ^2/NDF:46.6/39

Out: 8.556+/-16.199 χ^2/NDF:46.3/44

All: 16.384+/-11.636 χ^2/NDF: 93.4/84


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
190
Right In: 76457.196+/-20.033 χ²/NDF: 272617.5/16
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 75293.069+/-19.105 χ²/NDF: 268846.6/19
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 75847.539+/-13.826 χ²/NDF: 543232.6/36
In: 83992.909+/-11.826 χ²/NDF:974617.9/39
Out: 83700.025+/-11.454 χ²/NDF:1053113.1/44
All: 83841.793+/-8.228 χ²/NDF: 2028047.5/8

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 19.182+/-1.720 χ^2/NDF: 135.2/16

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 8.122+/-1.619 χ^2/NDF: 196.7/19

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

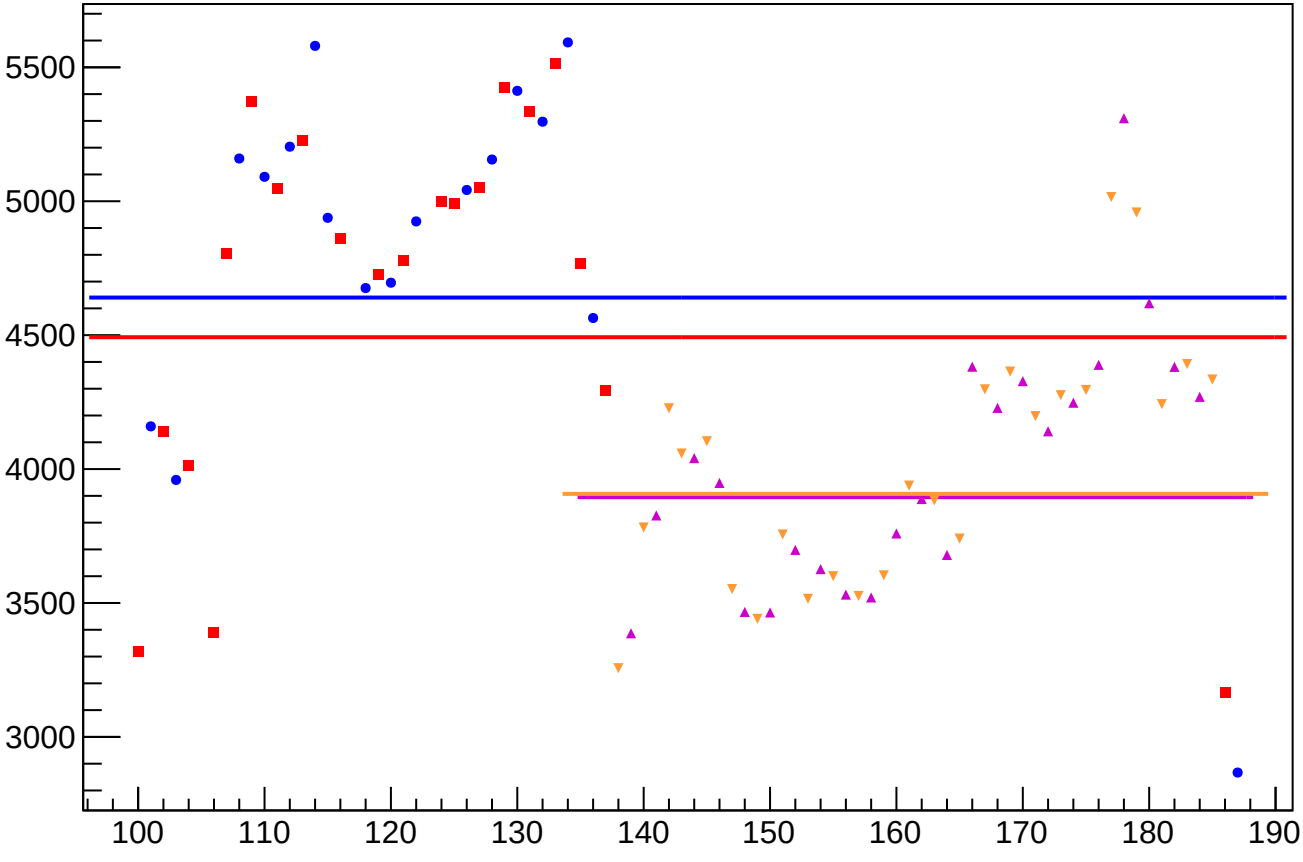
Right: 13.314+/-1.179 χ^2/NDF: 353.8/36

In: 5.737+/-0.809 χ^2/NDF:296.8/39

Out: -2.091+/-0.782 χ^2/NDF:299.6/44

All: 1.694+/-0.562 χ^2/NDF: 644.8/84

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4640.398+/-1.217 χ^2/NDF: 306224.8/16

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 4492.357+/-1.144 χ^2/NDF: 427908.3/19

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

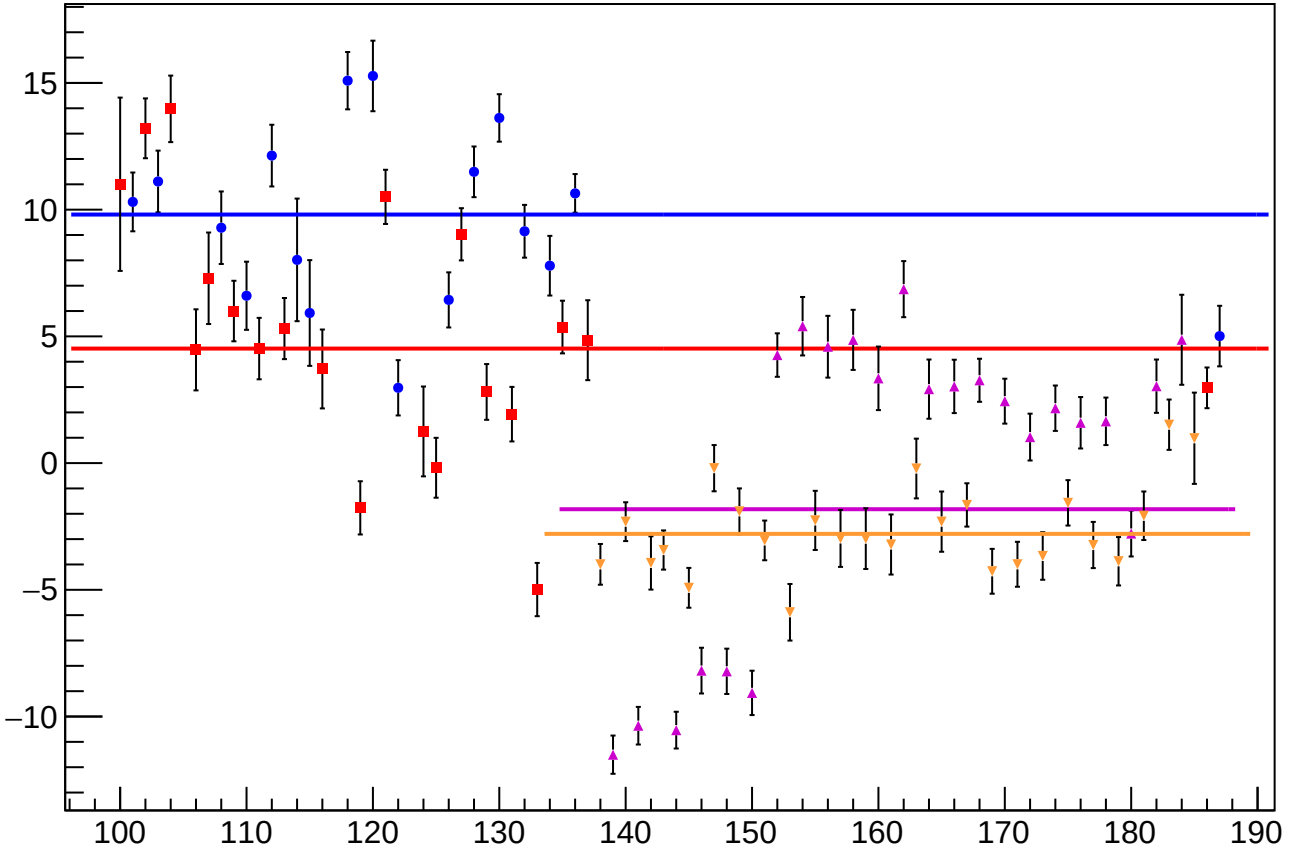
Right: 4561.860+/-0.834 χ^2/NDF: 741988.8/36

In: 4059.784+/-0.572 χ^2/NDF:1008510.6/39

Out: 4044.161+/-0.553 χ^2/NDF:1069252.5/44

All: 4051.714+/-0.398 χ^2/NDF: 2078148.7/84

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 9.807+/-0.280 χ^2/NDF: 141.0/16

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 4.519+/-0.269 χ^2/NDF: 314.4/19

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

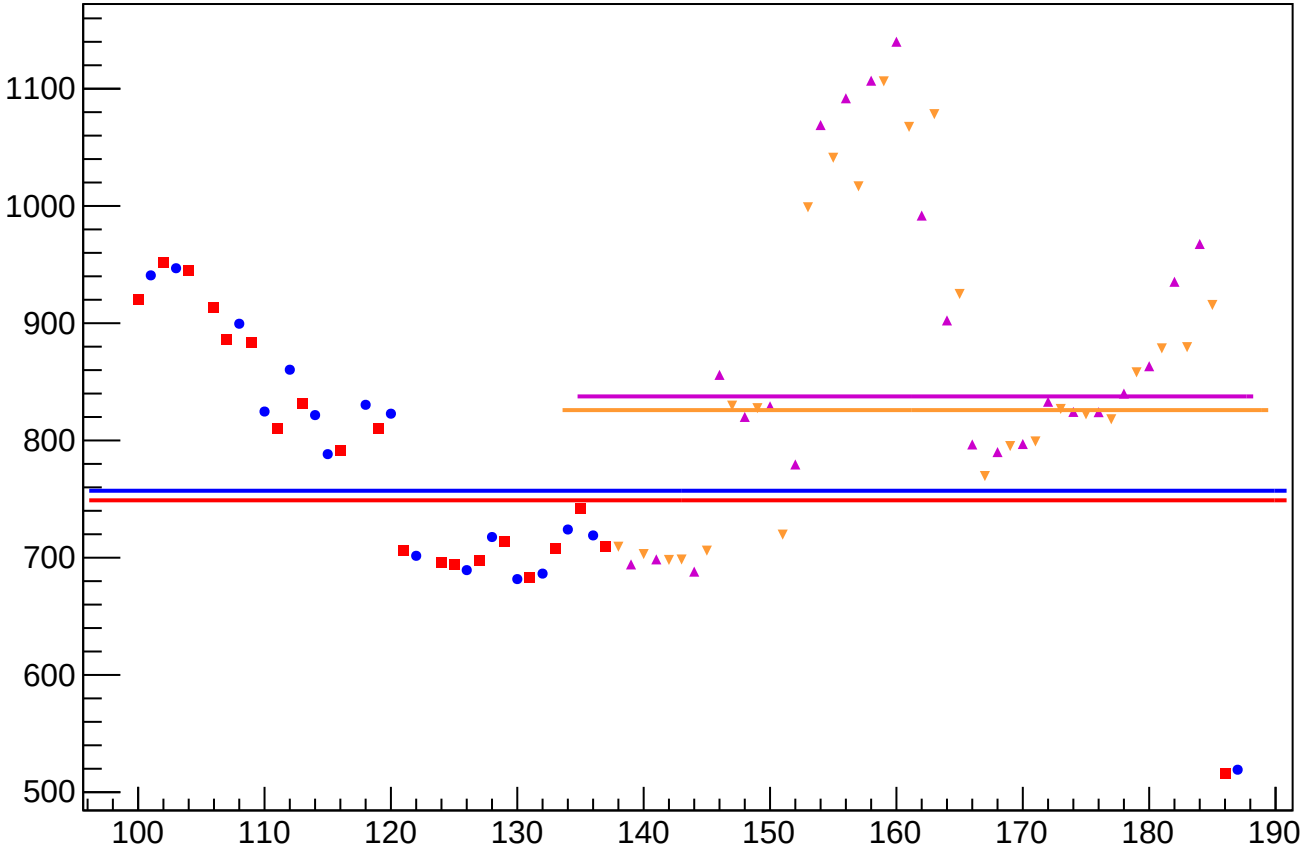
Right: 7.056+/-0.194 χ^2/NDF: 640.5/36

In: 2.054+/-0.162 χ^2/NDF:2314.1/39

Out: -0.361+/-0.155 χ^2/NDF:875.0/44

All: 0.797+/-0.112 χ^2/NDF: 3305.0/84

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 757.109+/-0.198 χ^2/NDF: 276870.1/16

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 748.939+/-0.190 χ^2/NDF: 385649.6/19

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

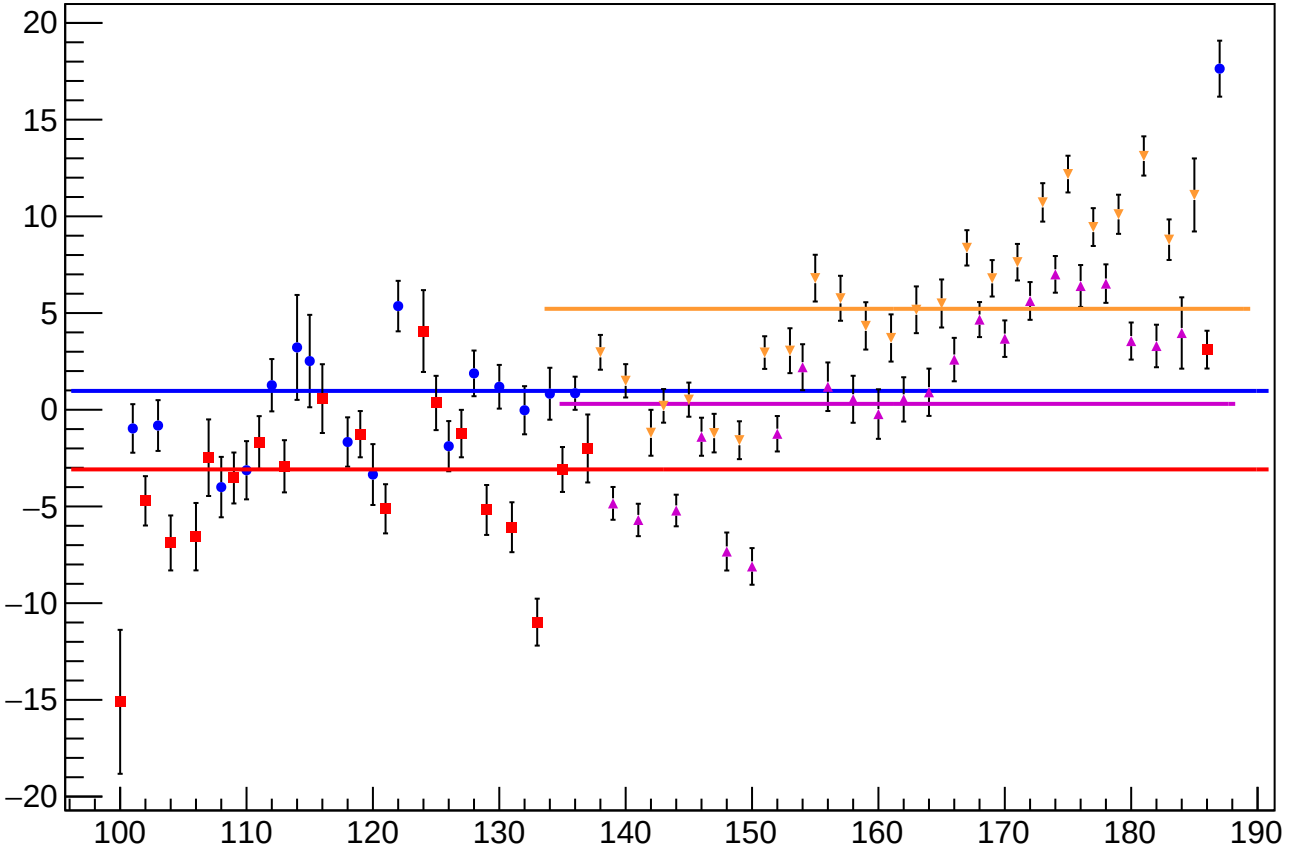
Right: 752.860+/-0.137 χ^2/NDF: 663403.5/36

In: 810.758+/-0.114 χ^2/NDF:1100890.1/39

Out: 800.289+/-0.110 χ^2/NDF:1259719.4/44

All: 805.308+/-0.079 χ^2/NDF: 2364967.6/84

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.322 χ^2/NDF: 184.7/16

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -3.084+/-0.309 χ^2/NDF: 144.2/19

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

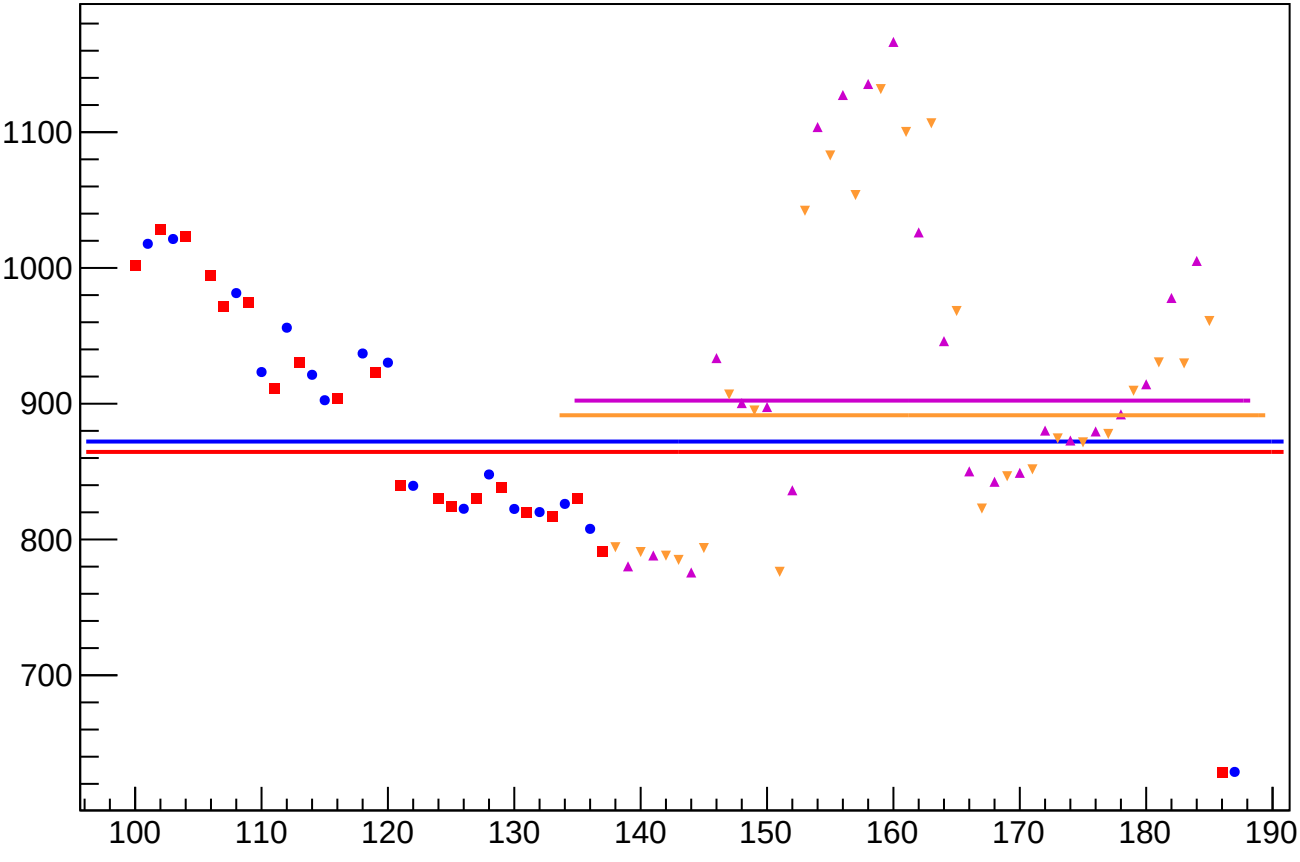
Right: -1.134+/-0.223 χ^2/NDF: 411.6/36

In: 0.508+/-0.177 χ^2/NDF:683.0/39

Out: 2.696+/-0.171 χ^2/NDF:1095.8/44

All: 1.645+/-0.123 χ^2/NDF: 1857.8/84

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 872.136+/-0.227 χ^2/NDF: 163938.3/16

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 864.493+/-0.219 χ^2/NDF: 237852.6/19

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

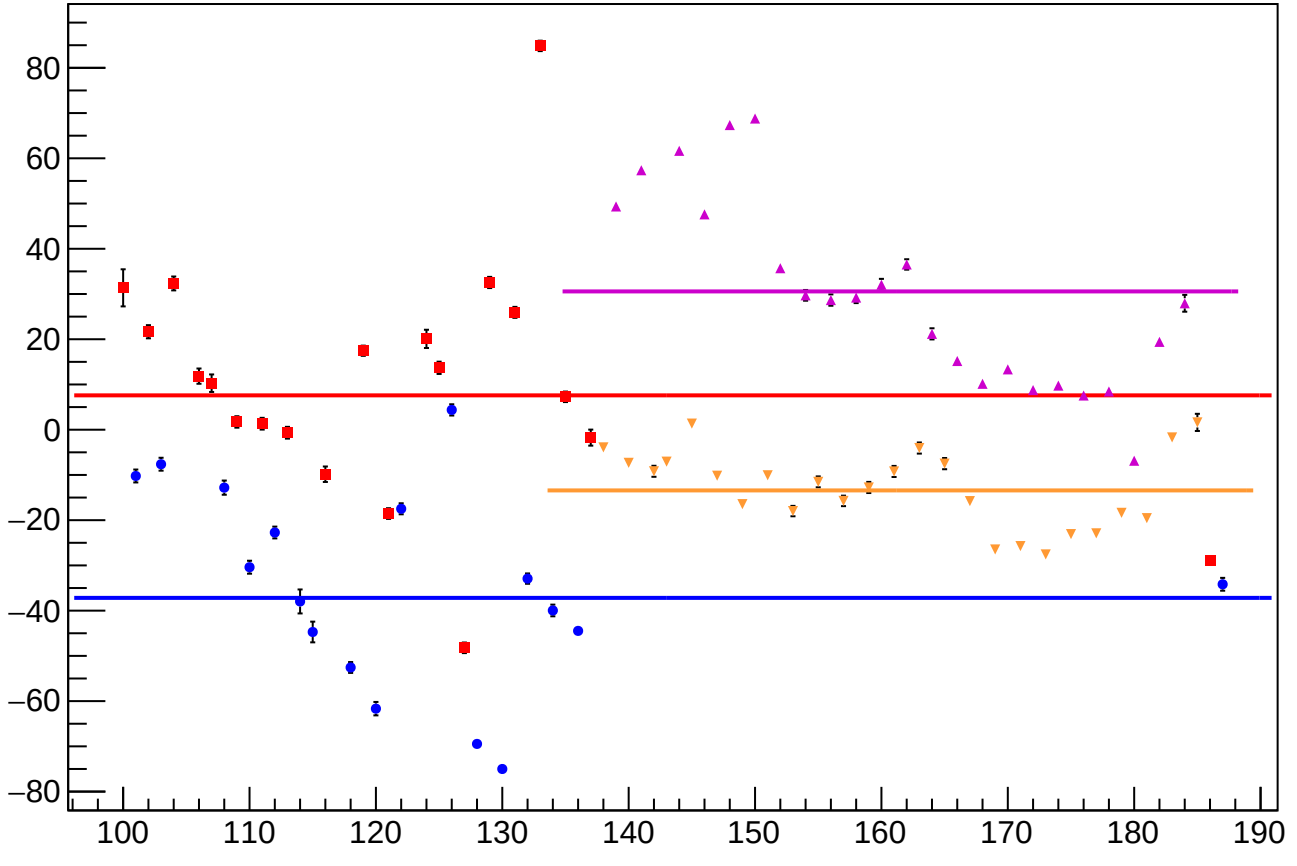
Right: 868.165+/-0.158 χ^2/NDF: 402377.5/36

In: 893.119+/-0.125 χ^2/NDF:661095.4/39

Out: 883.286+/-0.121 χ^2/NDF:766252.0/44

All: 888.008+/-0.087 χ^2/NDF: 1430541.4/84

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.176+/-0.314 χ^2/NDF: 5189.4/16

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 7.594+/-0.301 χ^2/NDF: 10115.9/19

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

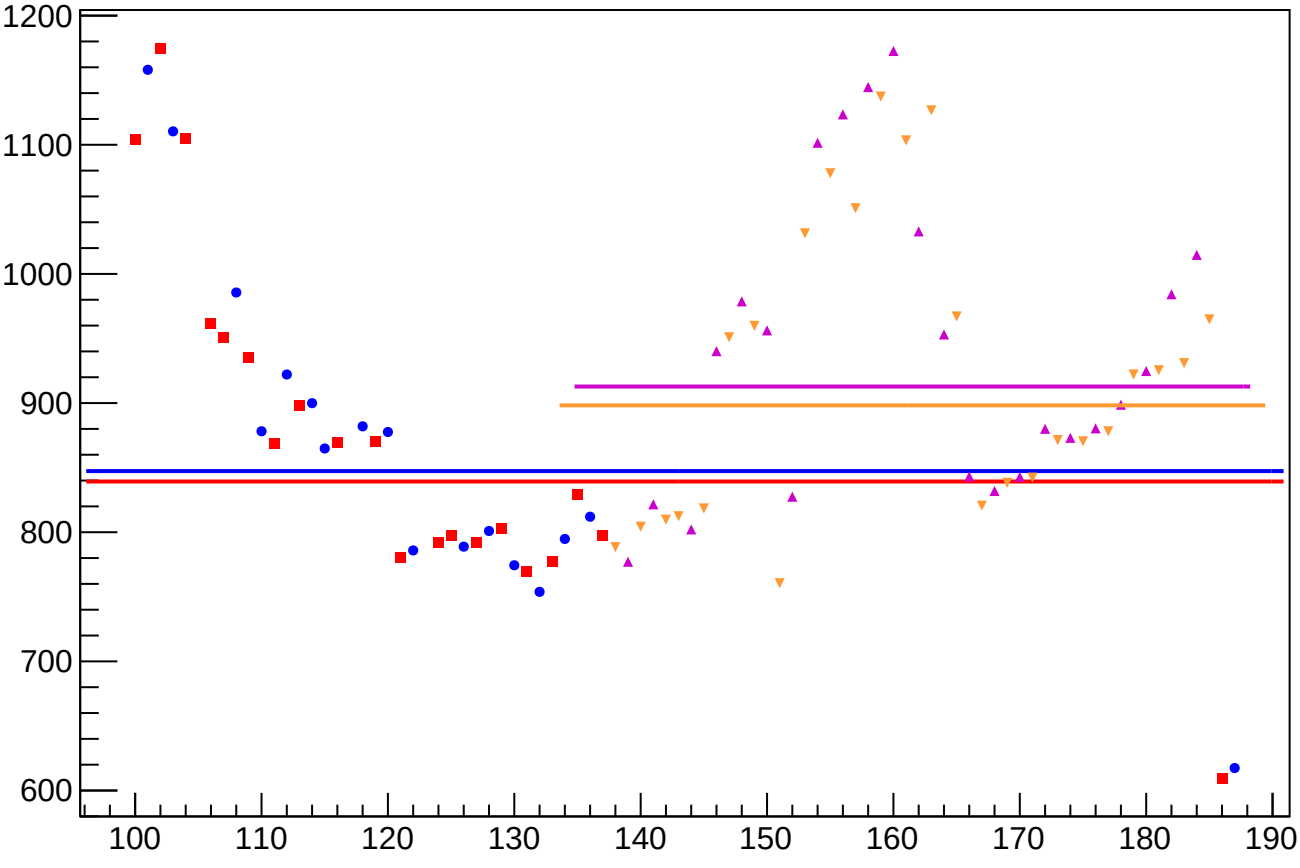
Right: -13.889+/-0.217 χ^2/NDF: 25893.7/36

In: 8.904+/-0.177 χ^2/NDF:47280.8/39

Out: -6.731+/-0.170 χ^2/NDF:15093.2/44

All: 0.753+/-0.123 χ^2/NDF: 66420.6/84

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 847.334+/-0.222 χ^2/NDF: 283785.5/16

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 839.267+/-0.213 χ^2/NDF: 355231.5/19

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

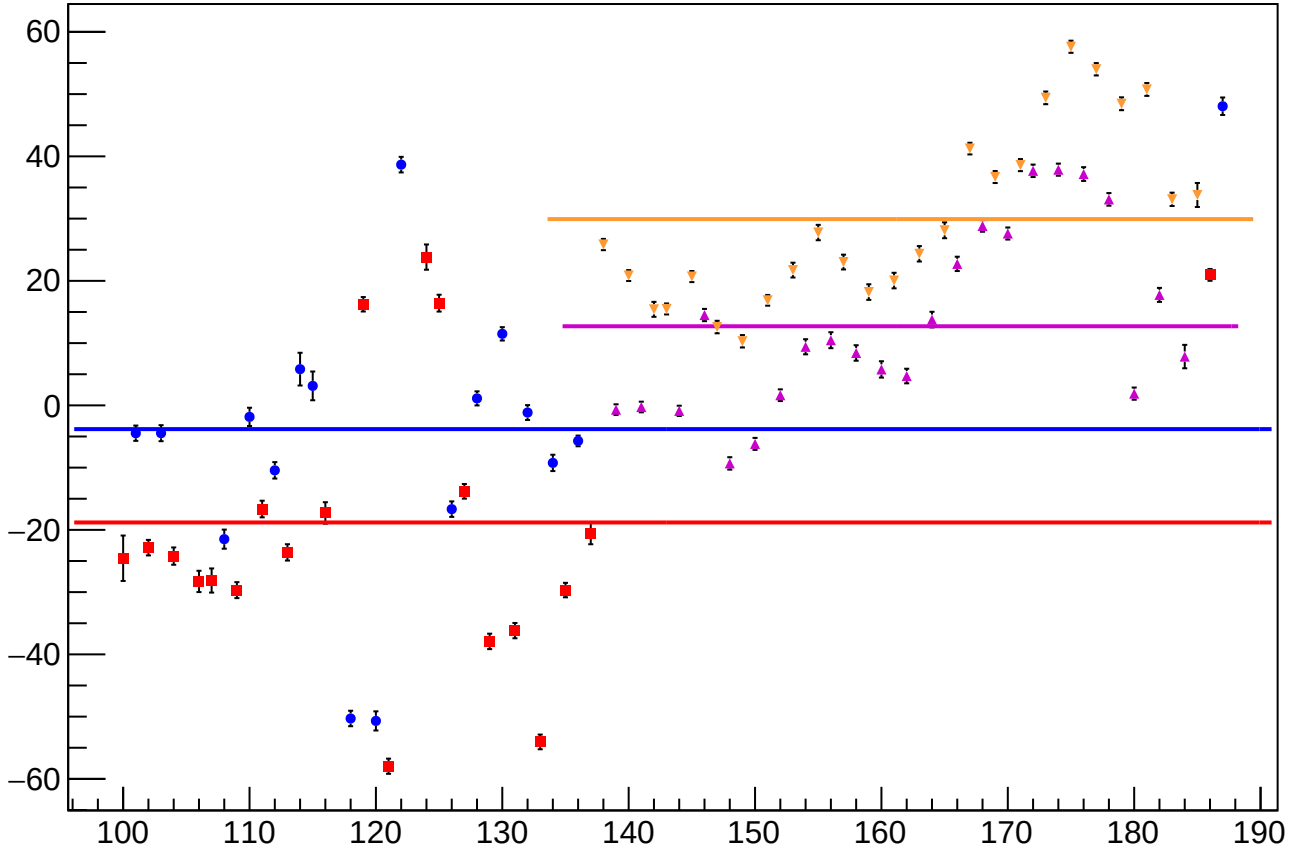
Right: 843.138+/-0.154 χ^2/NDF: 639704.4/36

In: 891.873+/-0.125 χ^2/NDF:823048.4/39

Out: 879.459+/-0.120 χ^2/NDF:925778.1/44

All: 885.401+/-0.087 χ^2/NDF: 1753928.8/84

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -3.816+/-0.313 χ^2/NDF: 5381.5/16

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -18.809+/-0.301 χ^2/NDF: 6420.4/19

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

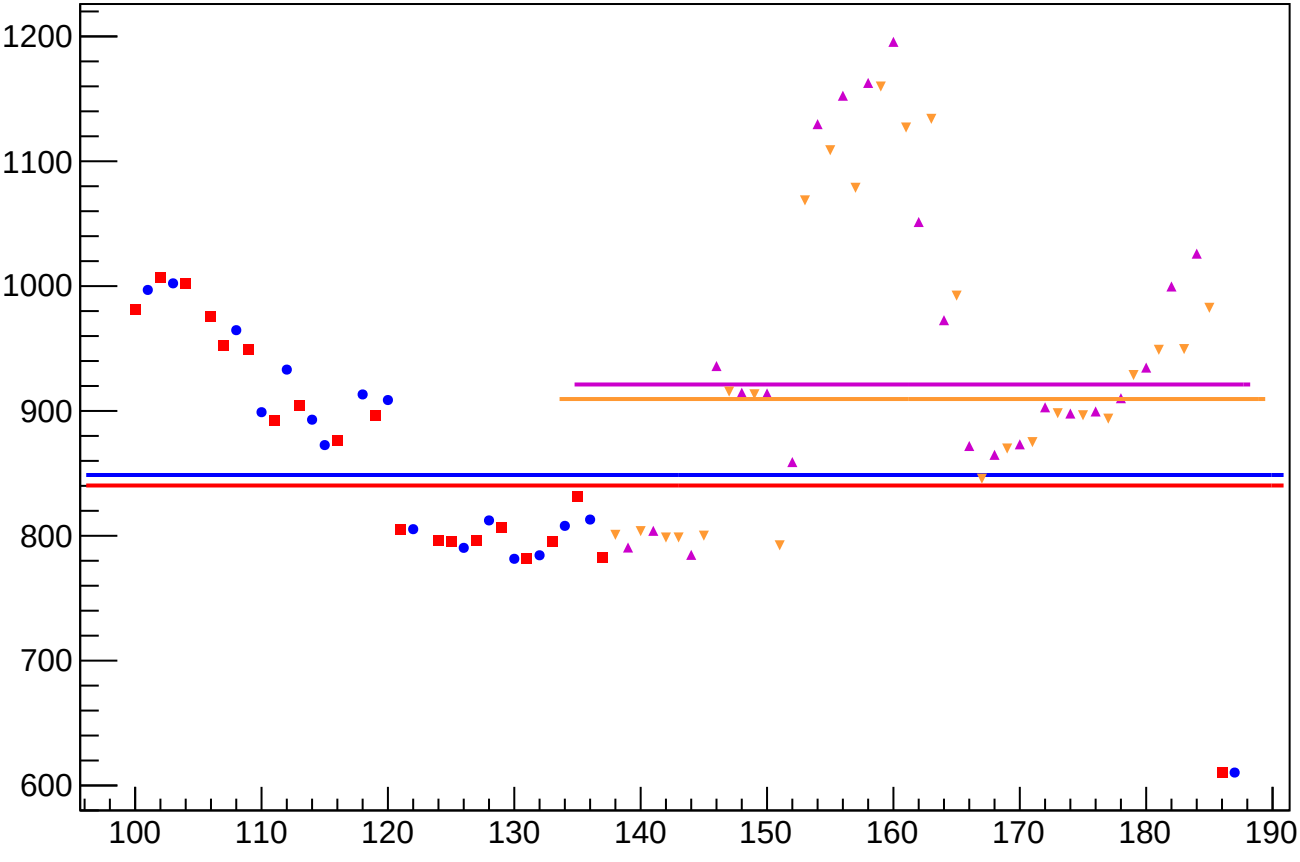
Right: -11.615+/-0.217 χ^2/NDF: 12994.9/36

In: 7.342+/-0.178 χ^2/NDF:12053.3/39

Out: 14.094+/-0.171 χ^2/NDF:28733.6/44

All: 10.854+/-0.124 χ^2/NDF: 41531.7/84

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 848.703+/-0.221 χ^2/NDF: 174150.6/16

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 840.283+/-0.213 χ^2/NDF: 248680.7/19

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

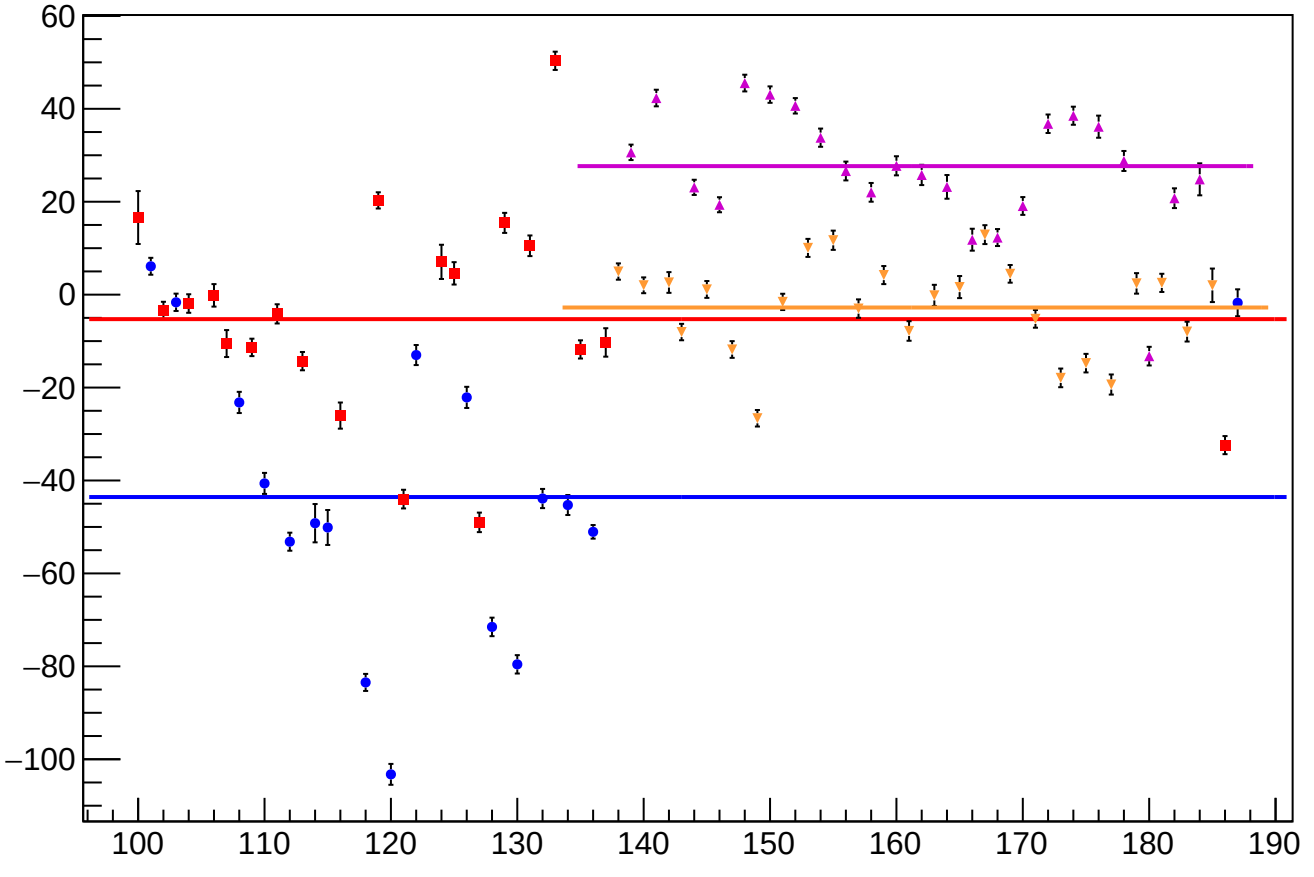
Right: 844.323+/-0.153 χ^2/NDF: 423583.7/36

In: 897.657+/-0.126 χ^2/NDF:743888.3/39

Out: 887.053+/-0.121 χ^2/NDF:862049.4/44

All: 892.141+/-0.087 χ^2/NDF: 1609611.7/84

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -43.561+/-0.512 χ^2/NDF: 3592.1/16

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -5.270+/-0.493 χ^2/NDF: 2309.3/19

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

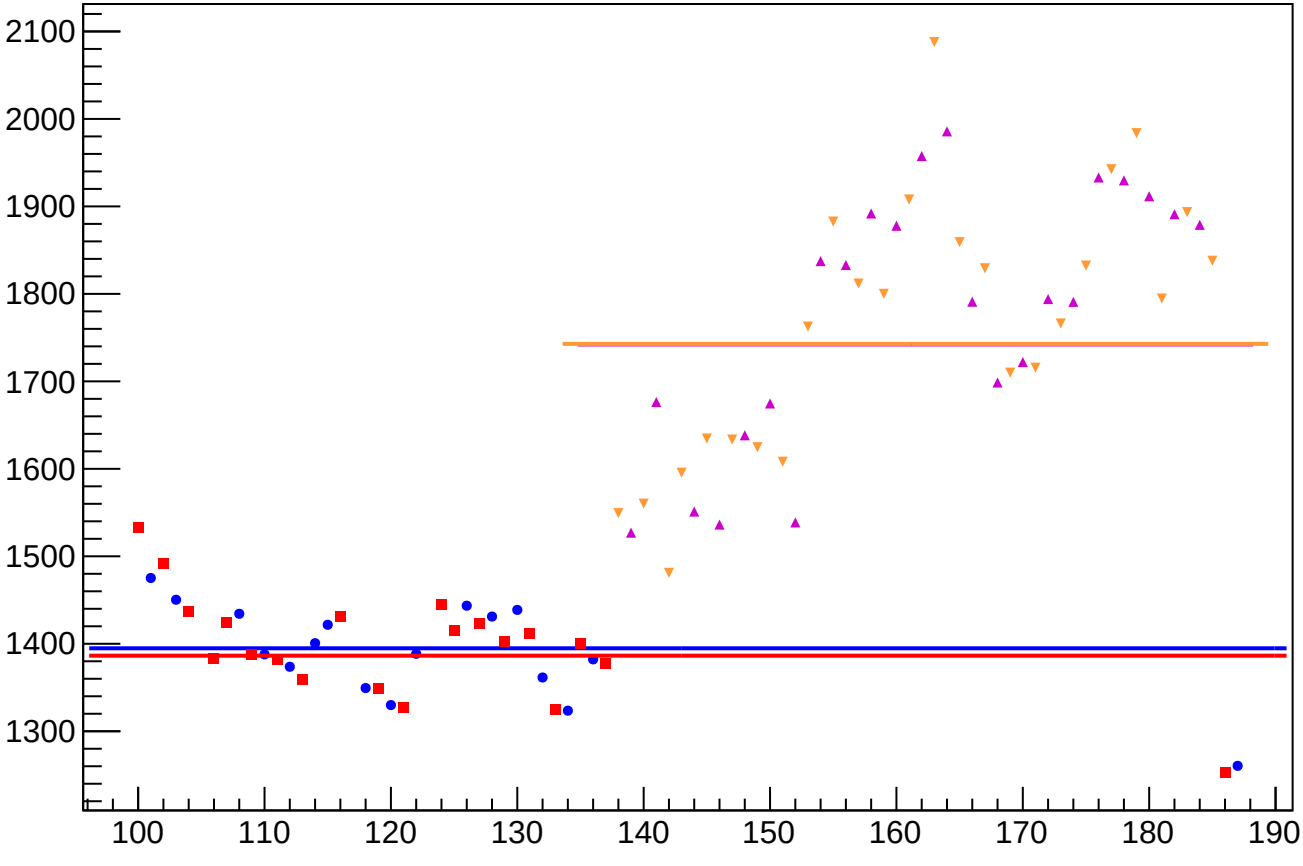
Right: -23.686+/-0.355 χ^2/NDF: 8807.5/36

In: -0.077+/-0.319 χ^2/NDF:16408.7/39

Out: -3.754+/-0.309 χ^2/NDF:2941.1/44

All: -1.974+/-0.222 χ^2/NDF: 19418.2/84

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1394.853+/-0.362 χ^2/NDF: 19277.1/16

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1386.408+/-0.348 χ^2/NDF: 26307.9/19

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

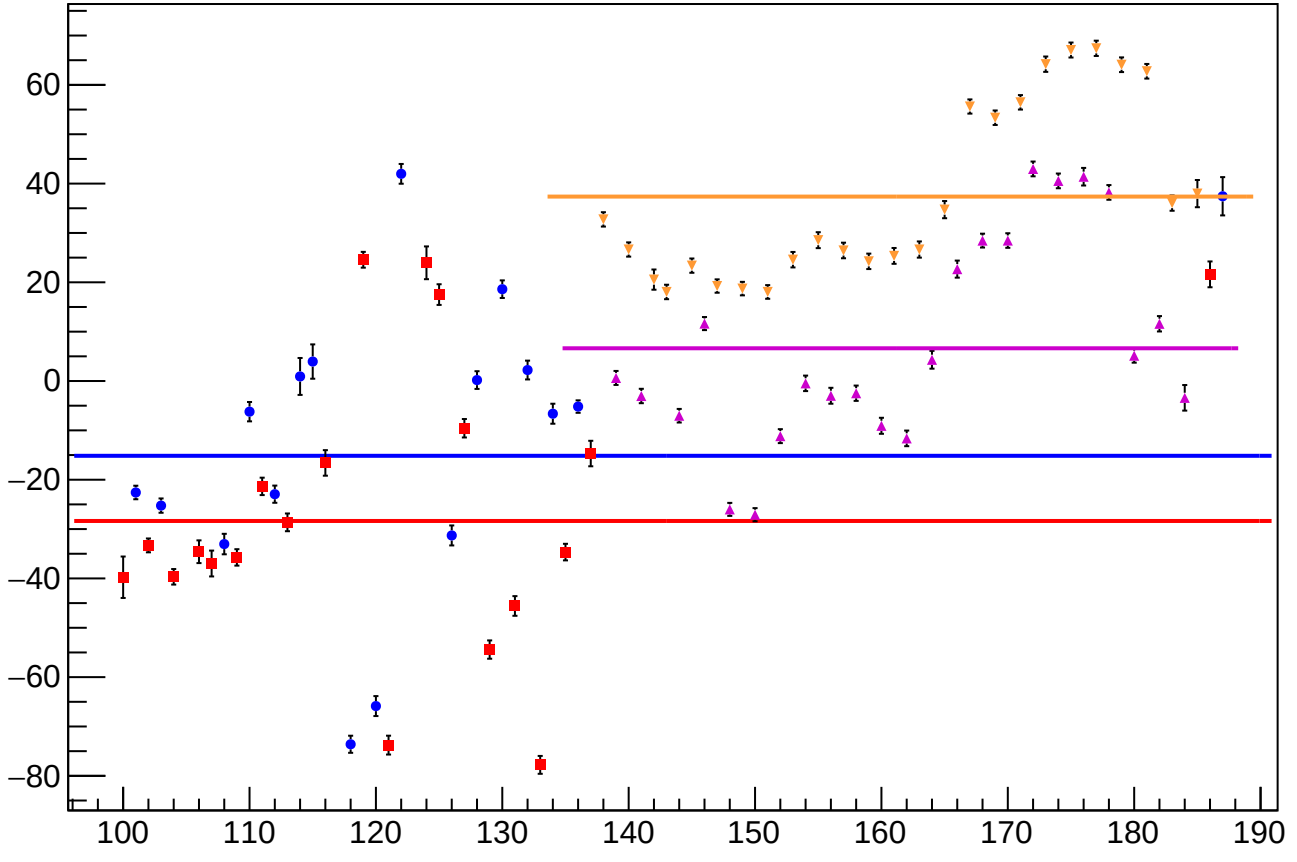
Right: 1390.469+/-0.251 χ^2/NDF: 45867.7/36

In: 1606.890+/-0.226 χ^2/NDF:843289.5/39

Out: 1602.315+/-0.219 χ^2/NDF:923721.8/44

All: 1604.529+/-0.157 χ^2/NDF: 1767223.1/84

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.153+/-0.452 χ^2/NDF: 3664.2/16

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -28.358+/-0.438 χ^2/NDF: 4056.7/19

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

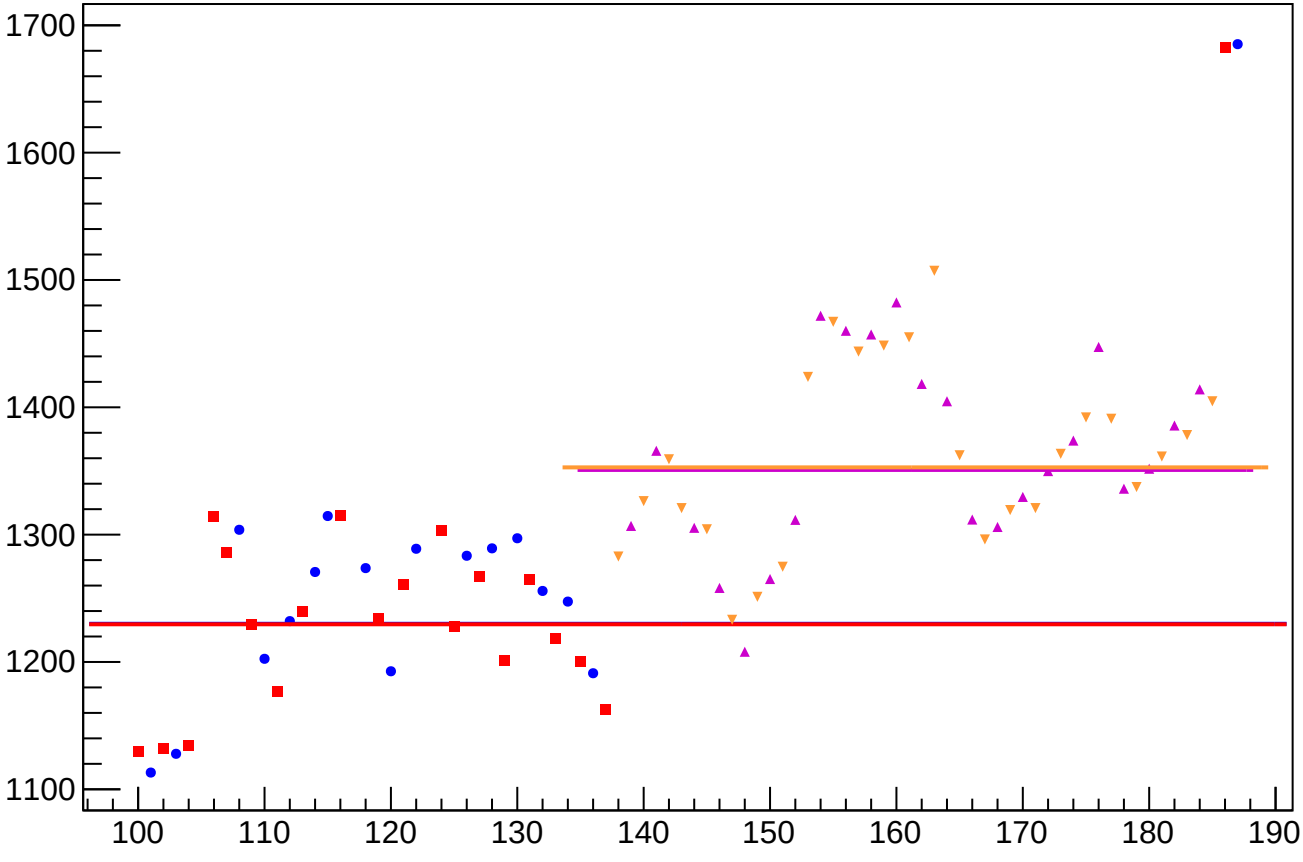
Right: -21.964+/-0.315 χ^2/NDF: 8160.9/36

In: -0.520+/-0.259 χ^2/NDF:9633.9/39

Out: 15.640+/-0.252 χ^2/NDF:22520.9/44

All: 7.786+/-0.181 χ^2/NDF: 34155.0/84

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1229.976+/-0.320 χ^2/NDF: 68824.6/16

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1229.597+/-0.310 χ^2/NDF: 91006.4/19

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

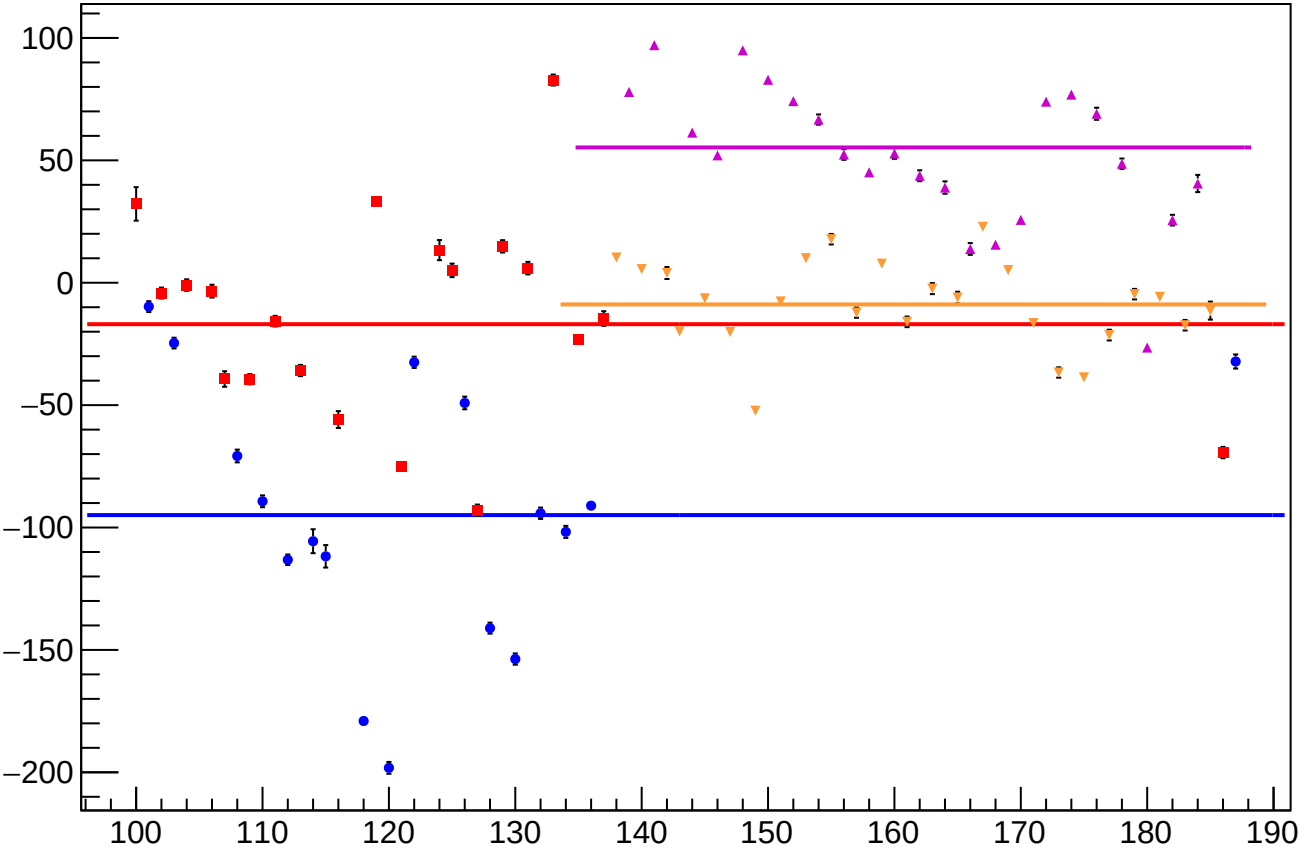
Right: 1229.780+/-0.222 χ^2/NDF: 159831.7/36

In: 1311.156+/-0.183 χ^2/NDF:273428.7/39

Out: 1312.083+/-0.178 χ^2/NDF:301774.6/44

All: 1311.633+/-0.128 χ^2/NDF: 575216.4/84

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -94.923+/-0.568 χ^2/NDF: 8792.5/16

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -16.930+/-0.550 χ^2/NDF: 5892.9/19

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

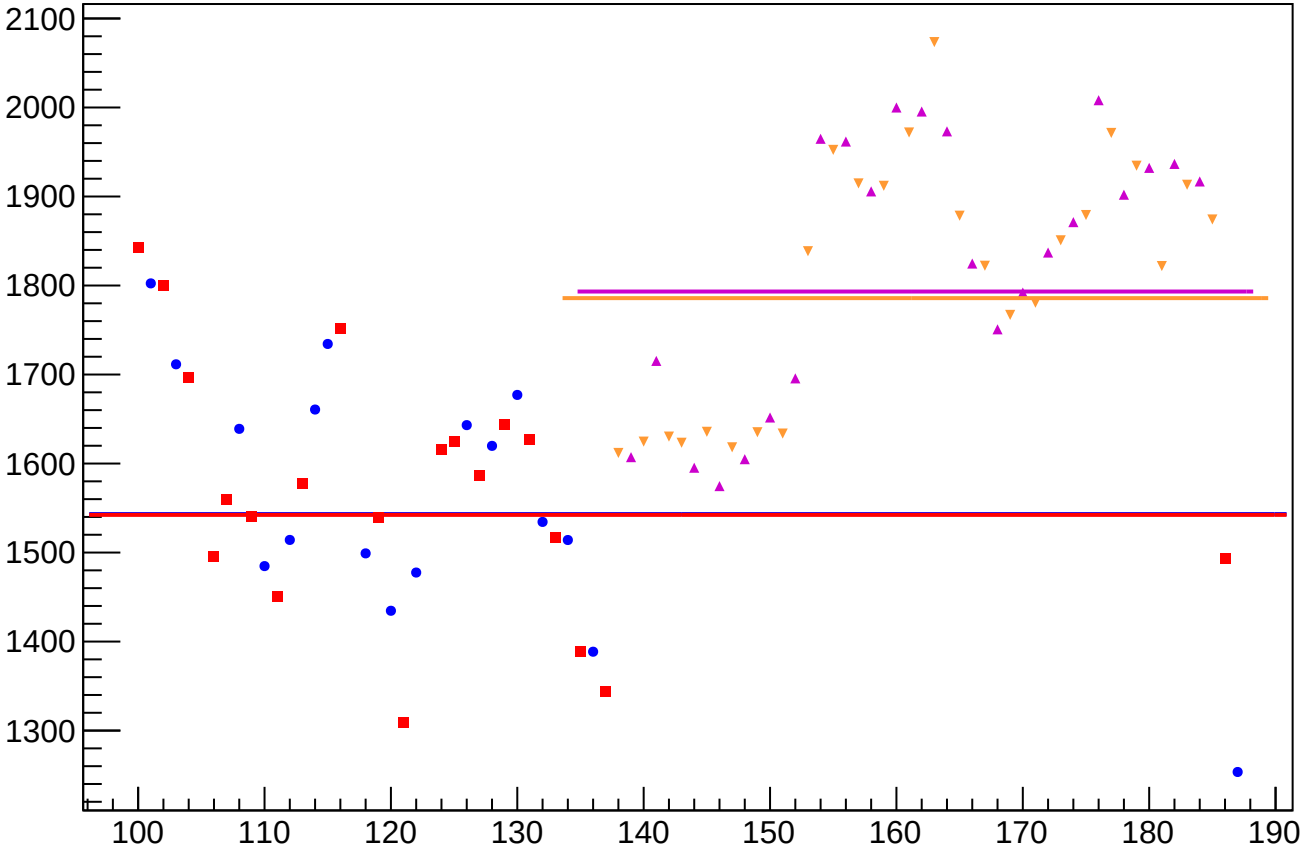
Right: -54.637+/-0.395 χ^2/NDF: 24421.8/36

In: 2.106+/-0.338 χ^2/NDF:58686.7/39

Out: -11.720+/-0.327 χ^2/NDF:7985.3/44

All: -5.031+/-0.235 χ^2/NDF: 67536.0/84

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1543.216+/-0.402 χ^2/NDF: 108915.7/16

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1542.340+/-0.389 χ^2/NDF: 109726.8/19

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

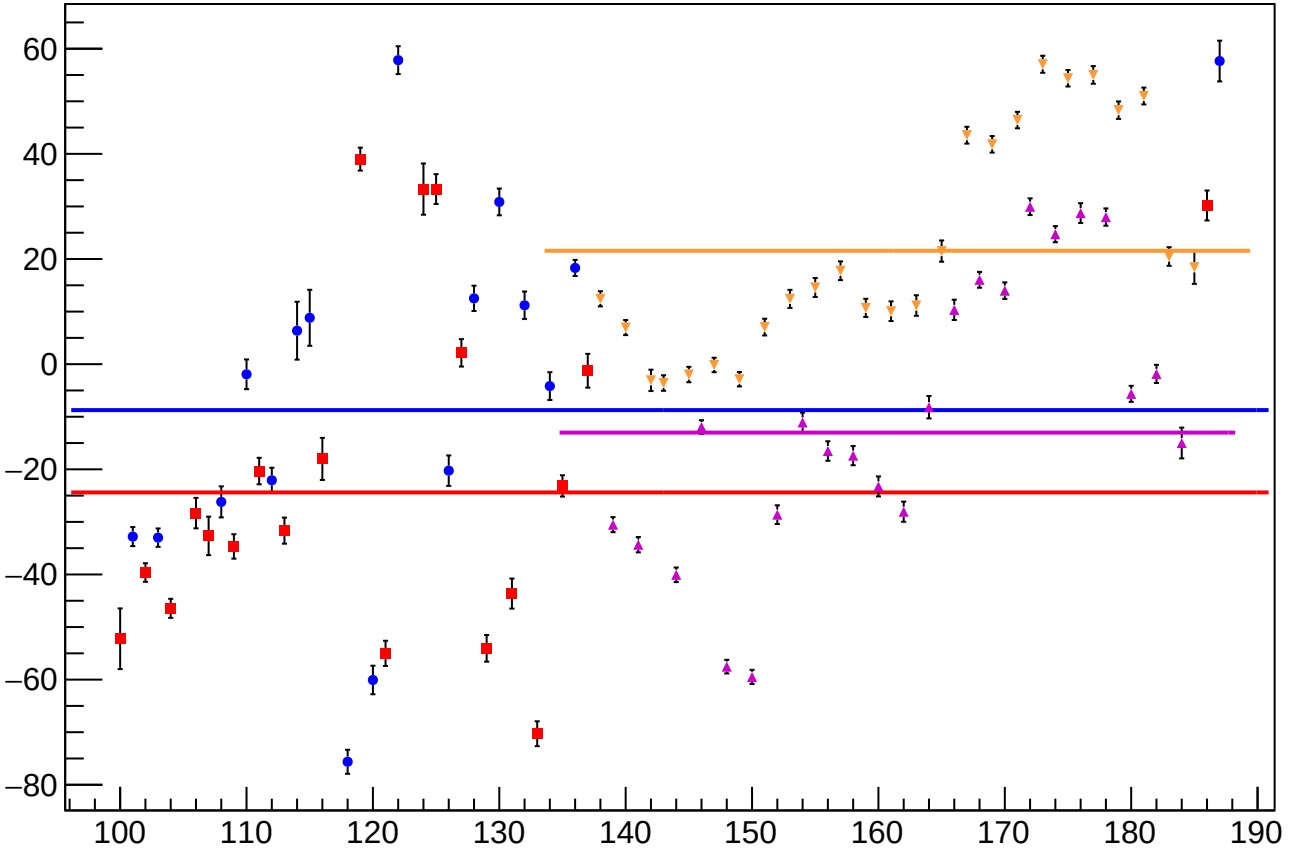
Right: 1542.763+/-0.279 χ^2/NDF: 218645.0/36

In: 1704.749+/-0.239 χ^2/NDF:612016.4/39

Out: 1699.546+/-0.231 χ^2/NDF:600428.1/44

All: 1702.063+/-0.166 χ^2/NDF: 1212689.1/84

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -8.735+/-0.596 χ^2/NDF: 3307.9/16

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -24.395+/-0.574 χ^2/NDF: 2923.6/19

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

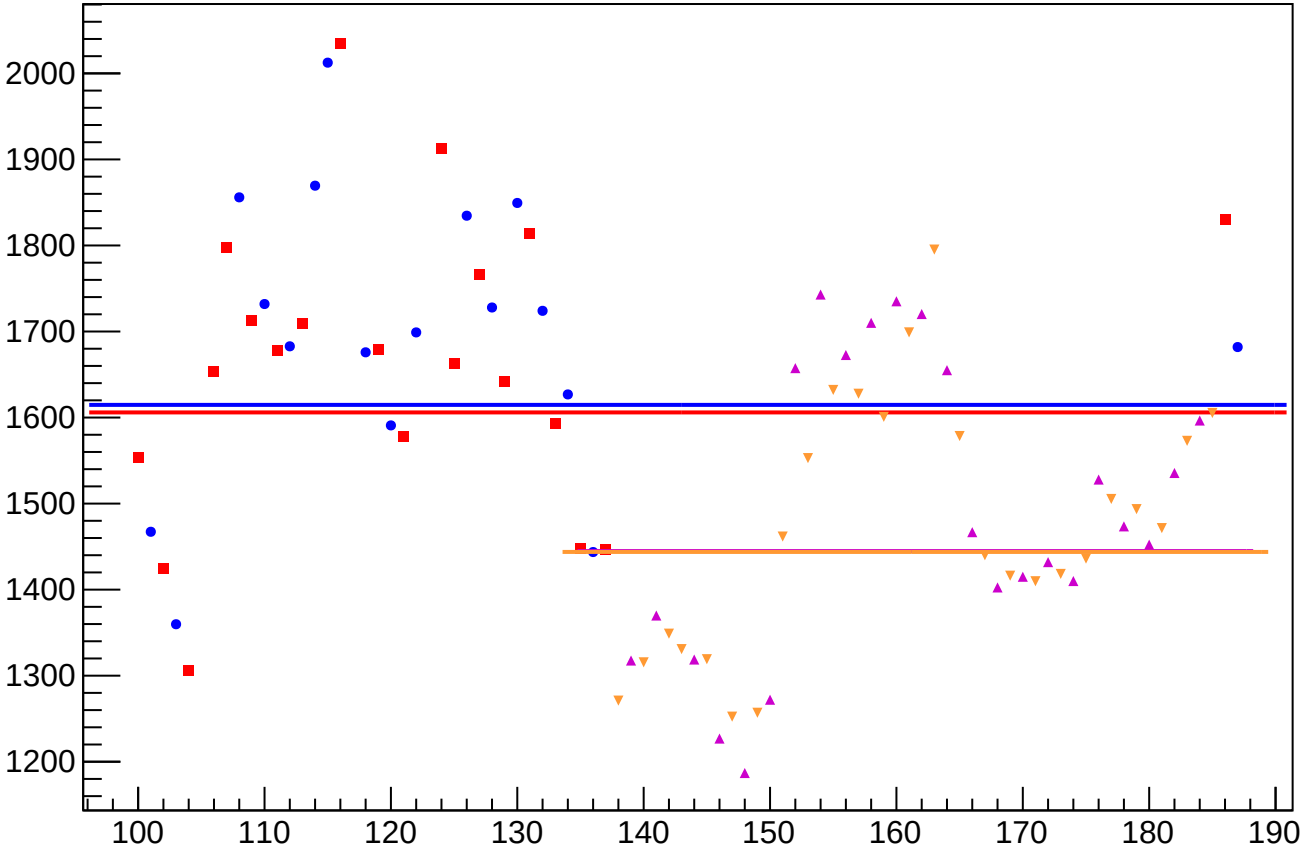
Right: -16.855+/-0.414 χ^2/NDF: 6589.6/36

In: -11.963+/-0.295 χ^2/NDF:9974.1/39

Out: 10.162+/-0.286 χ^2/NDF:11900.0/44

All: -0.548+/-0.205 χ^2/NDF: 24769.5/84

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1614.724+/-0.421 χ^2/NDF: 155327.5/16

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1605.959+/-0.406 χ^2/NDF: 173668.6/19

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

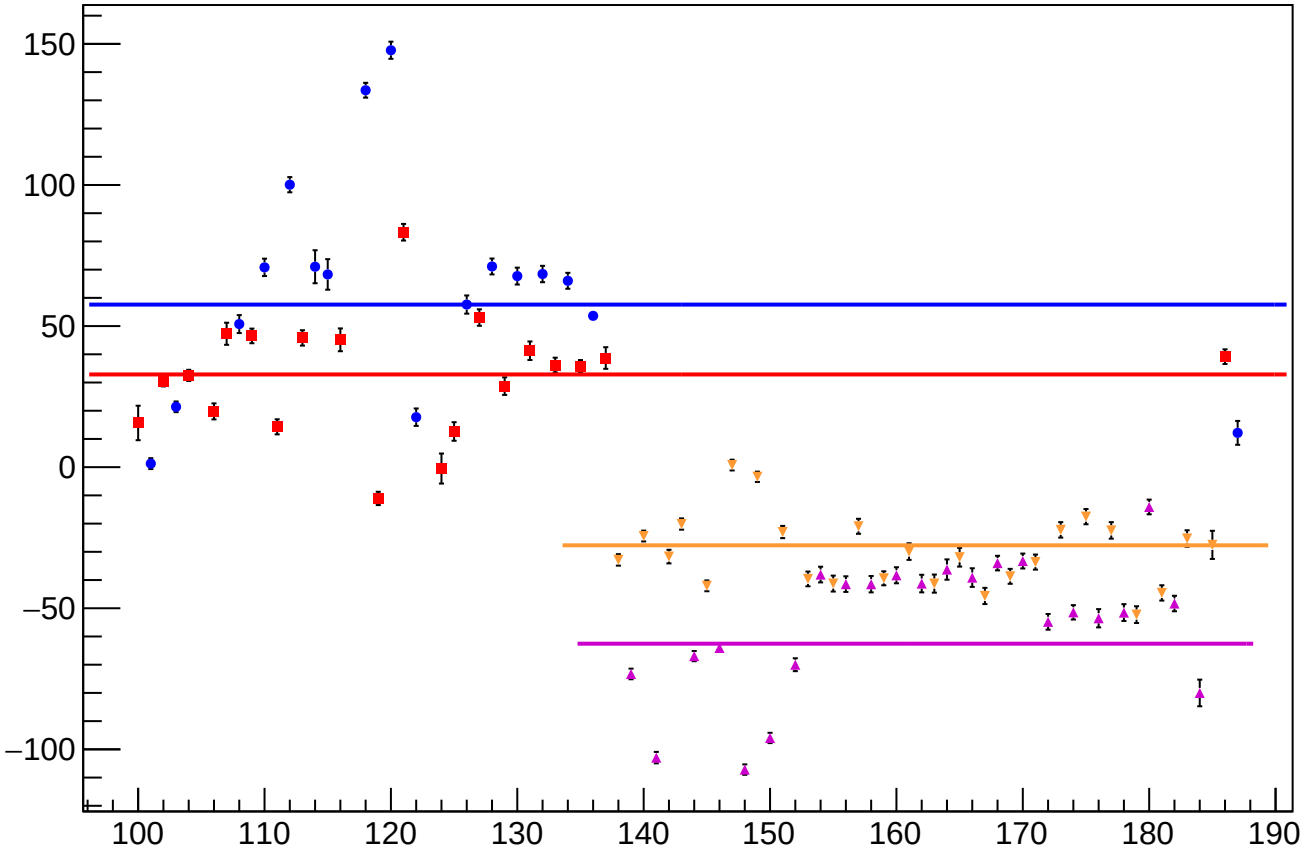
Right: 1610.179+/-0.292 χ^2/NDF: 329220.4/36

In: 1486.545+/-0.209 χ^2/NDF:763197.8/39

Out: 1484.055+/-0.202 χ^2/NDF:645913.3/44

All: 1485.261+/-0.145 χ^2/NDF: 1409184.5/84

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 57.615+/-0.664 χ^2/NDF: 3561.5/16

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 32.859+/-0.629 χ^2/NDF: 937.1/19

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

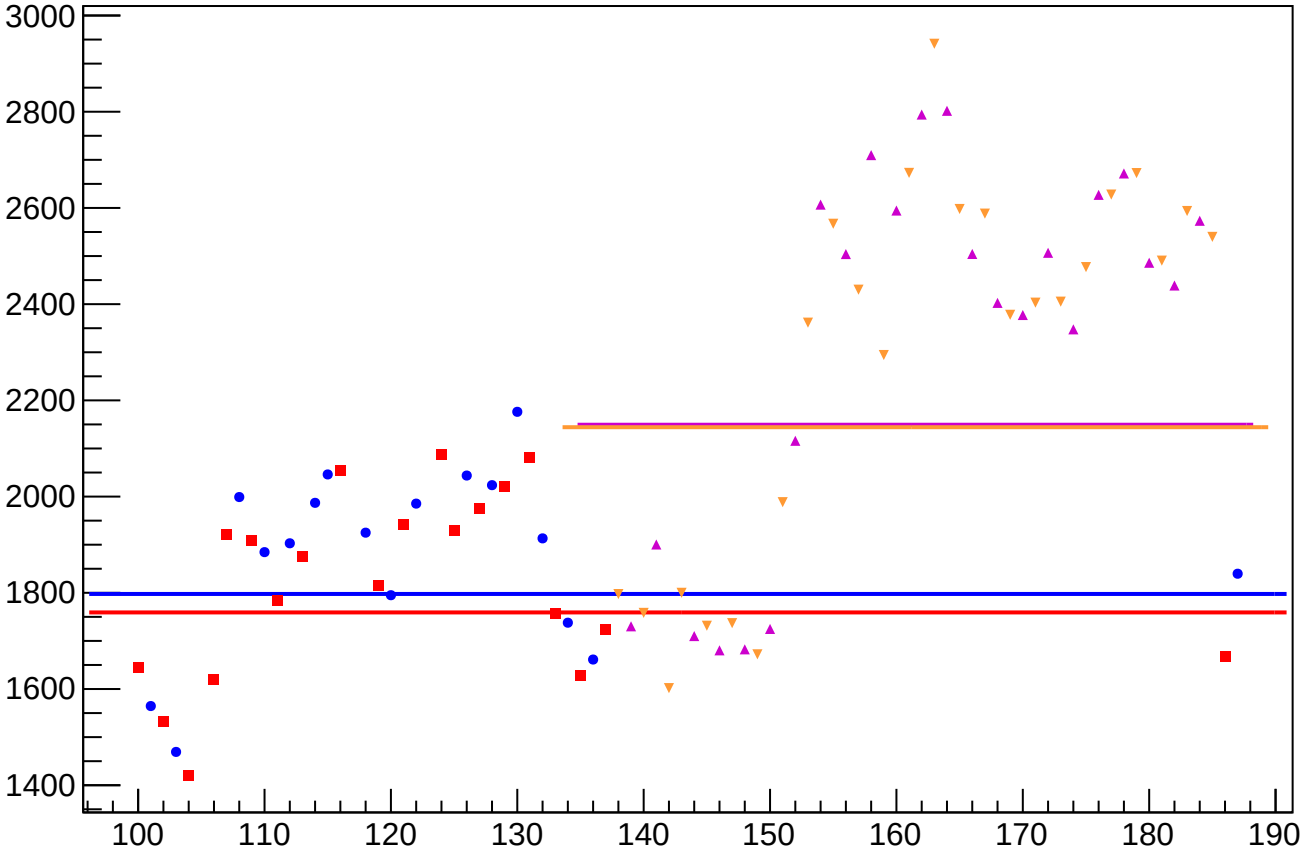
Right: 44.567+/-0.457 χ^2/NDF: 5230.9/36

In: -17.787+/-0.405 χ^2/NDF:26563.5/39

Out: -4.480+/-0.390 χ^2/NDF:7415.8/44

All: -10.868+/-0.281 χ^2/NDF: 34539.5/84

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1797.615+/-0.470 χ^2/NDF: 193374.1/16

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1759.210+/-0.445 χ^2/NDF: 192573.9/19

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

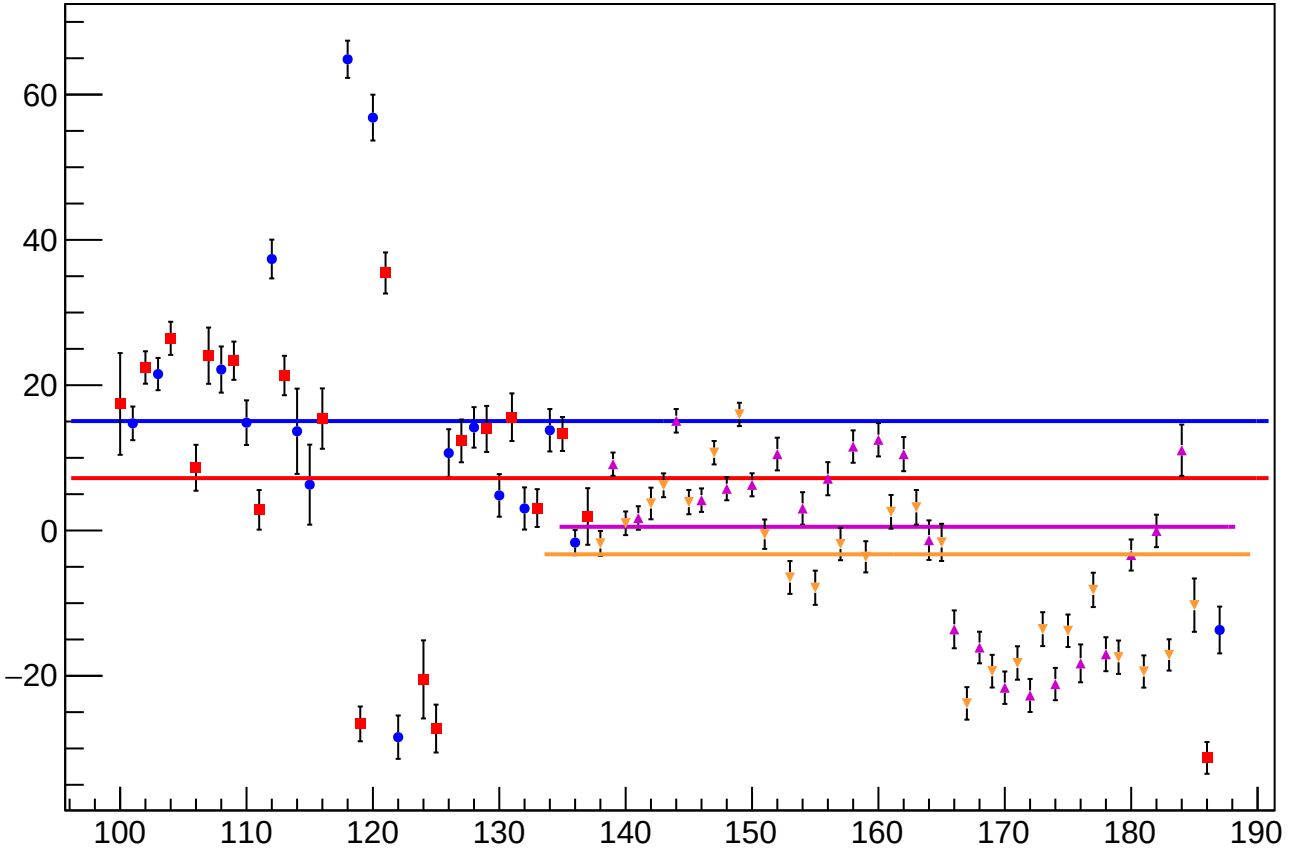
Right: 1777.374+/-0.323 χ^2/NDF: 389473.1/36

In: 2018.313+/-0.287 χ^2/NDF:1811098.1/39

Out: 1996.626+/-0.275 χ^2/NDF:1934334.0/44

All: 2007.037+/-0.199 χ^2/NDF: 3748408.4/84

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 15.061+/-0.679 χ^2/NDF: 1056.4/16

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 7.209+/-0.646 χ^2/NDF: 982.2/19

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

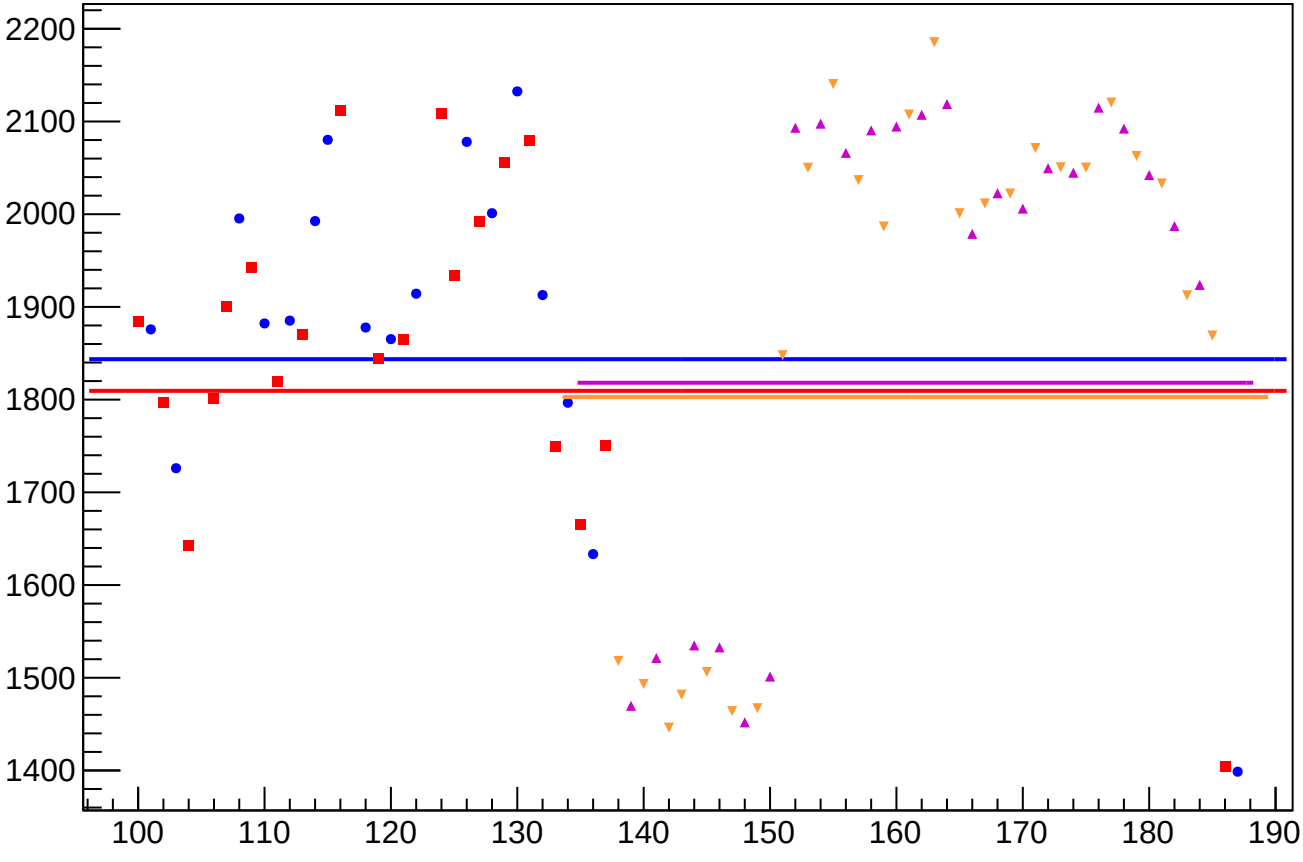
Right: 10.938+/-0.468 χ^2/NDF: 2108.7/36

In: 4.670+/-0.363 χ^2/NDF:2129.8/39

Out: -0.216+/-0.349 χ^2/NDF:1839.8/44

All: 2.129+/-0.252 χ^2/NDF: 4063.8/84

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1843.612+/-0.480 χ^2/NDF: 123269.9/16

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1809.475+/-0.457 χ^2/NDF: 150293.3/19

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

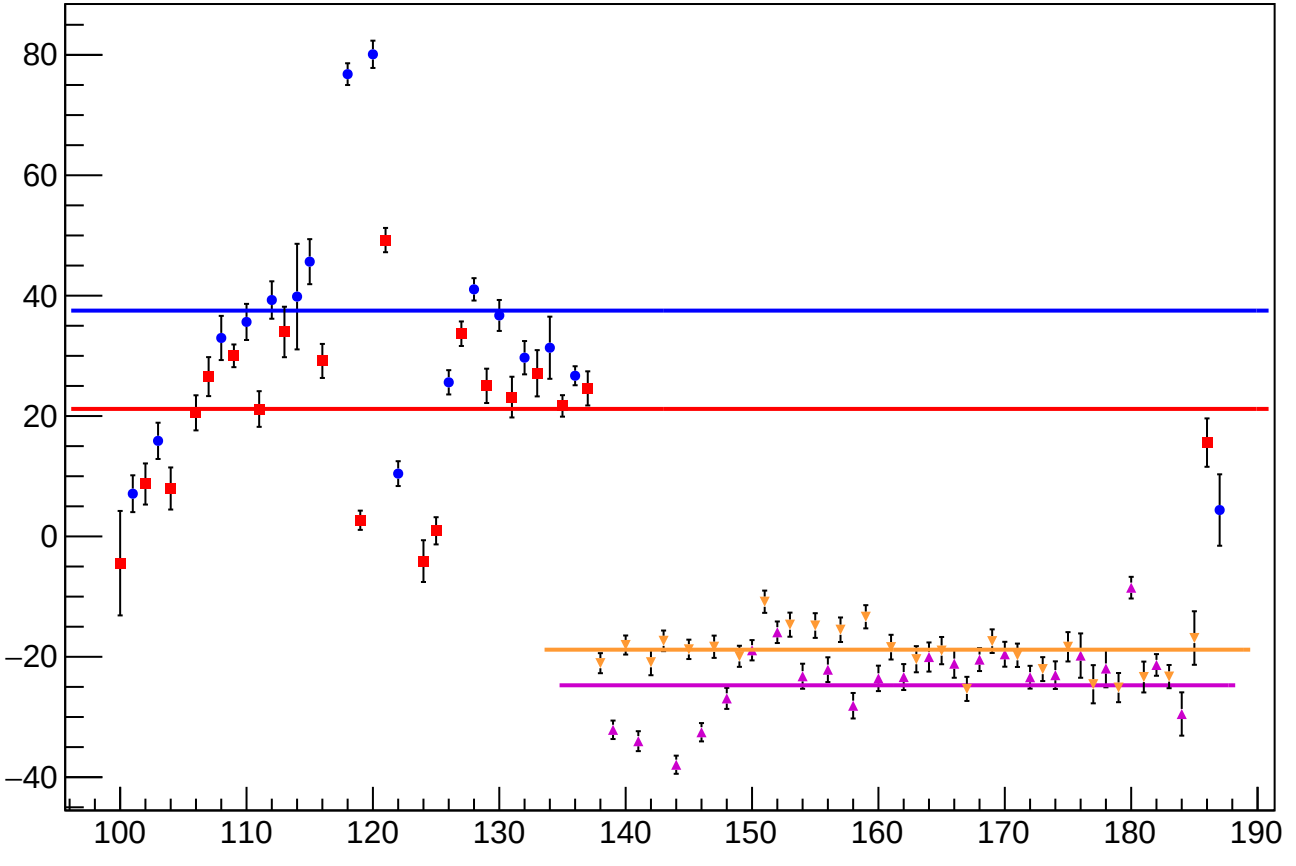
Right: 1825.686+/-0.331 χ^2/NDF: 276215.2/36

In: 1825.482+/-0.257 χ^2/NDF:965617.5/39

Out: 1804.711+/-0.247 χ^2/NDF:1047822.0/44

All: 1814.681+/-0.178 χ^2/NDF: 2016841.0/84

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.516+/-0.619 χ^2/NDF: 1281.3/16

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 21.184+/-0.587 χ^2/NDF: 584.6/19

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

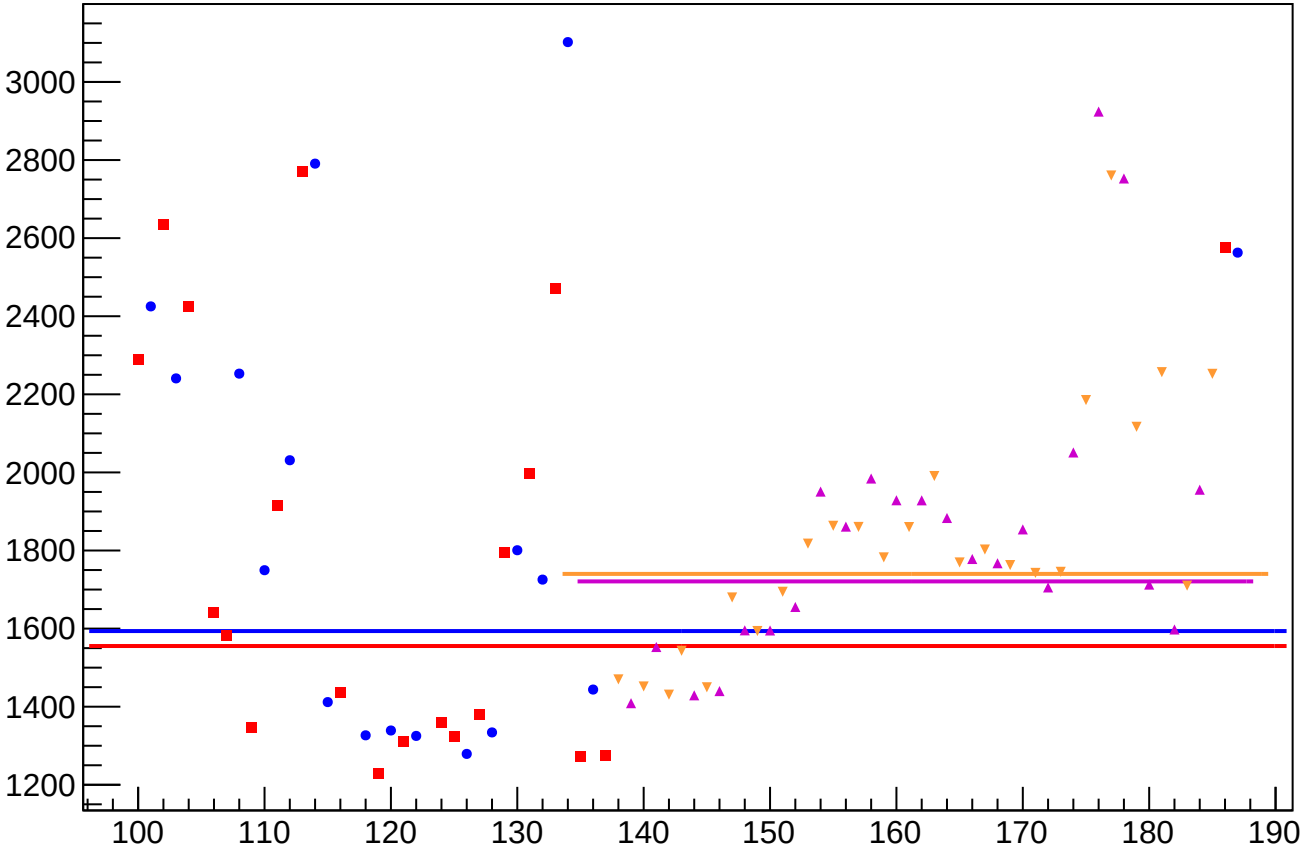
Right: 28.912+/-0.426 χ^2/NDF: 2232.7/36

In: -5.827+/-0.341 χ^2/NDF:8631.5/39

Out: -6.036+/-0.332 χ^2/NDF:3823.8/44

All: -5.935+/-0.238 χ^2/NDF: 12455.5/84

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1593.712+/-0.438 χ^2/NDF: 841617.3/16

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1555.380+/-0.415 χ^2/NDF: 1082392.7/19

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

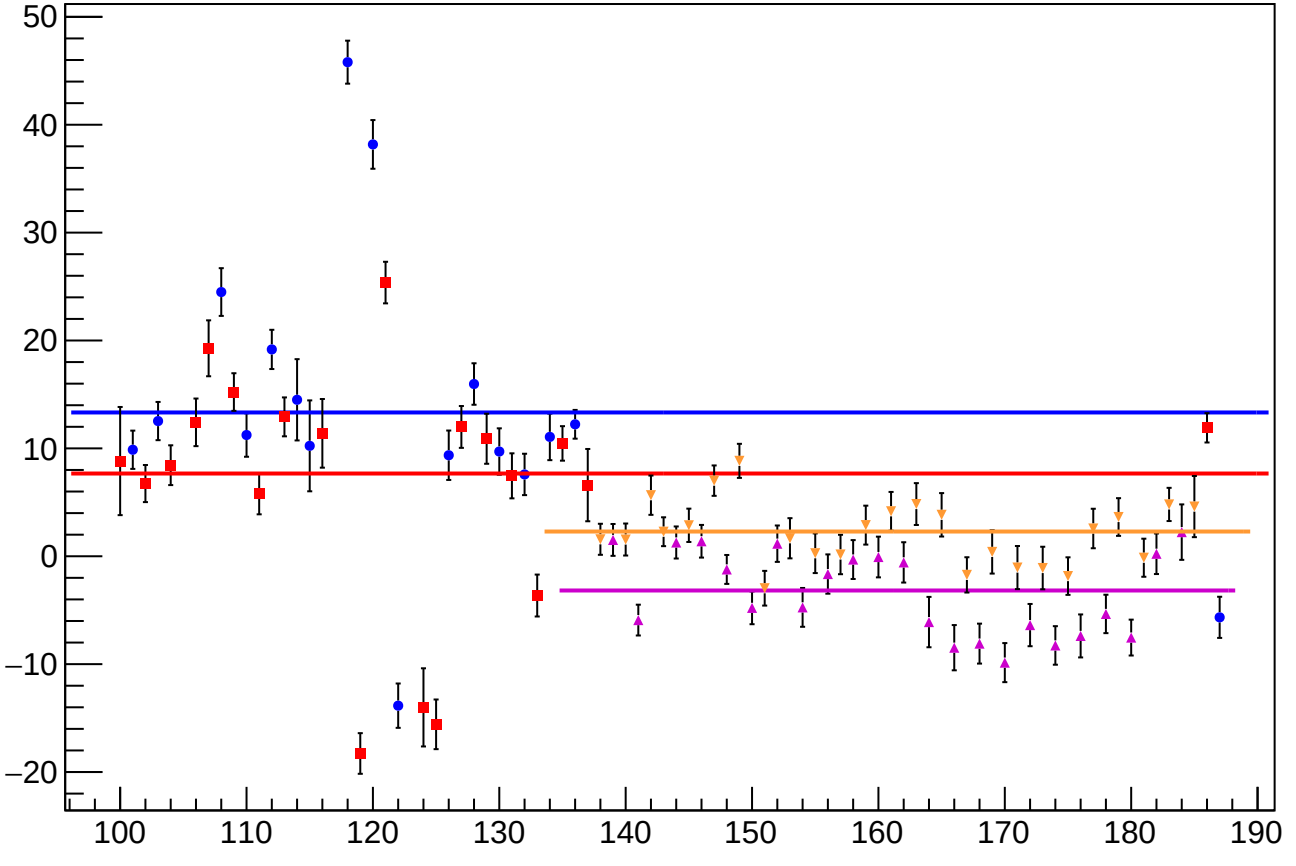
Right: 1573.517+/-0.301 χ^2/NDF: 1928050.9/36

In: 1682.249+/-0.241 χ^2/NDF:1784376.2/39

Out: 1681.077+/-0.234 χ^2/NDF:1970720.3/44

All: 1681.647+/-0.168 χ^2/NDF: 3755108.7/84

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 13.329+/-0.488 χ^2/NDF: 720.9/16

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 7.670+/-0.455 χ^2/NDF: 520.3/19

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

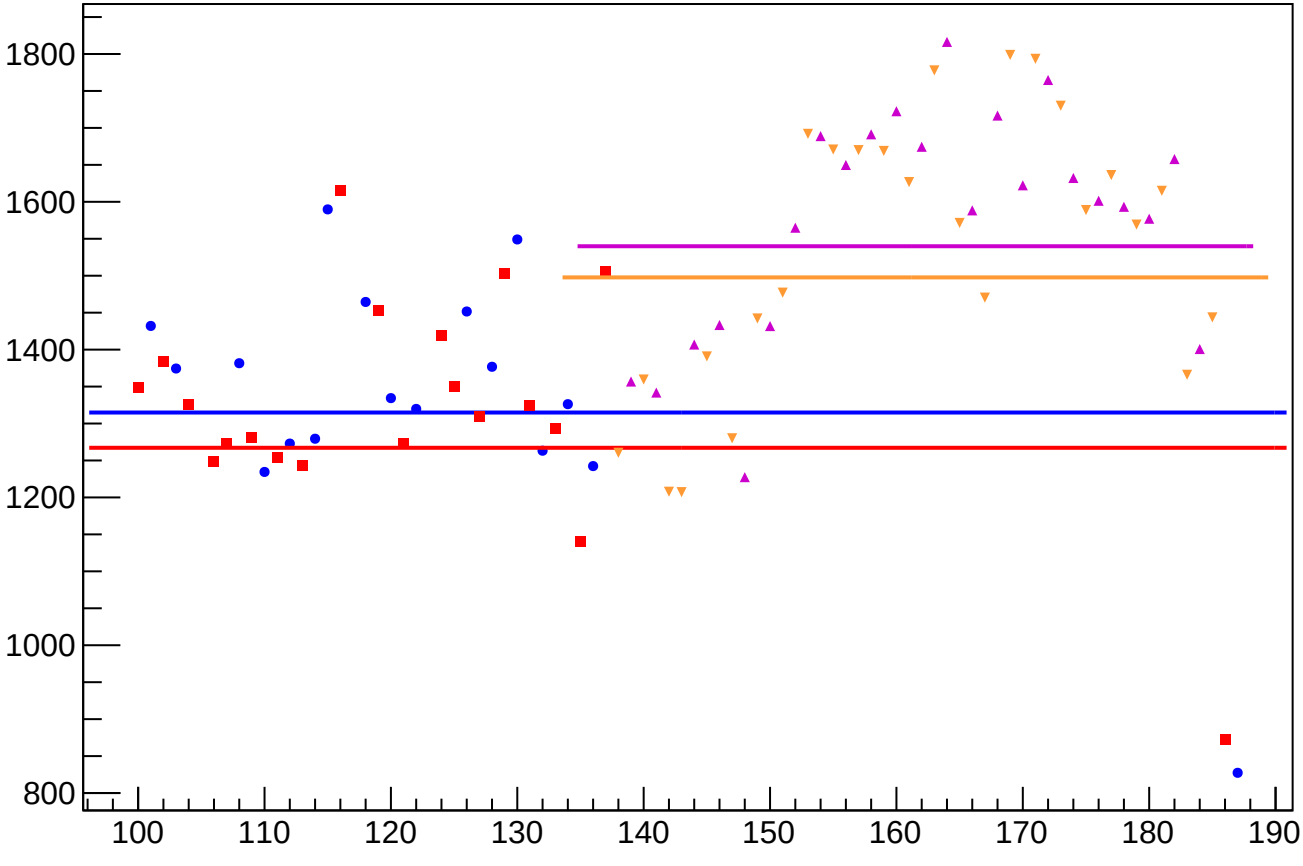
Right: 10.305+/-0.333 χ^2/NDF: 1313.2/36

In: 2.698+/-0.291 χ^2/NDF:1568.8/39

Out: 4.243+/-0.274 χ^2/NDF:682.7/44

All: 3.516+/-0.200 χ^2/NDF: 2266.4/84

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1314.891+/-0.345 χ^2/NDF: 208190.3/16

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1267.177+/-0.322 χ^2/NDF: 276217.2/19

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

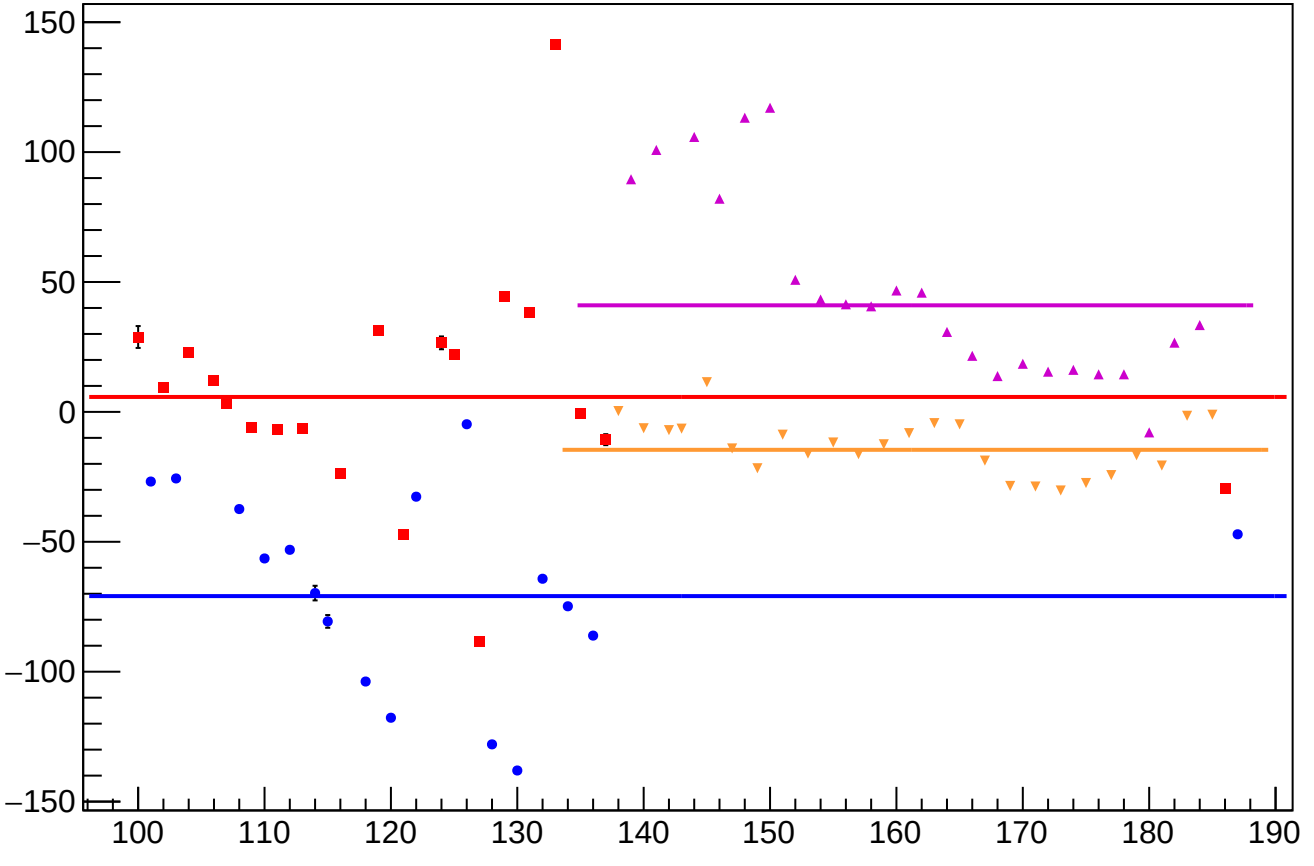
Right: 1289.395+/-0.235 χ^2/NDF: 494635.9/36

In: 1459.839+/-0.206 χ^2/NDF:862721.4/39

Out: 1414.096+/-0.194 χ^2/NDF:1171646.0/44

All: 1435.616+/-0.141 χ^2/NDF: 2060554.2/84

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -70.903+/-0.340 χ^2/NDF: 12443.0/16

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 5.750+/-0.325 χ^2/NDF: 20524.3/19

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

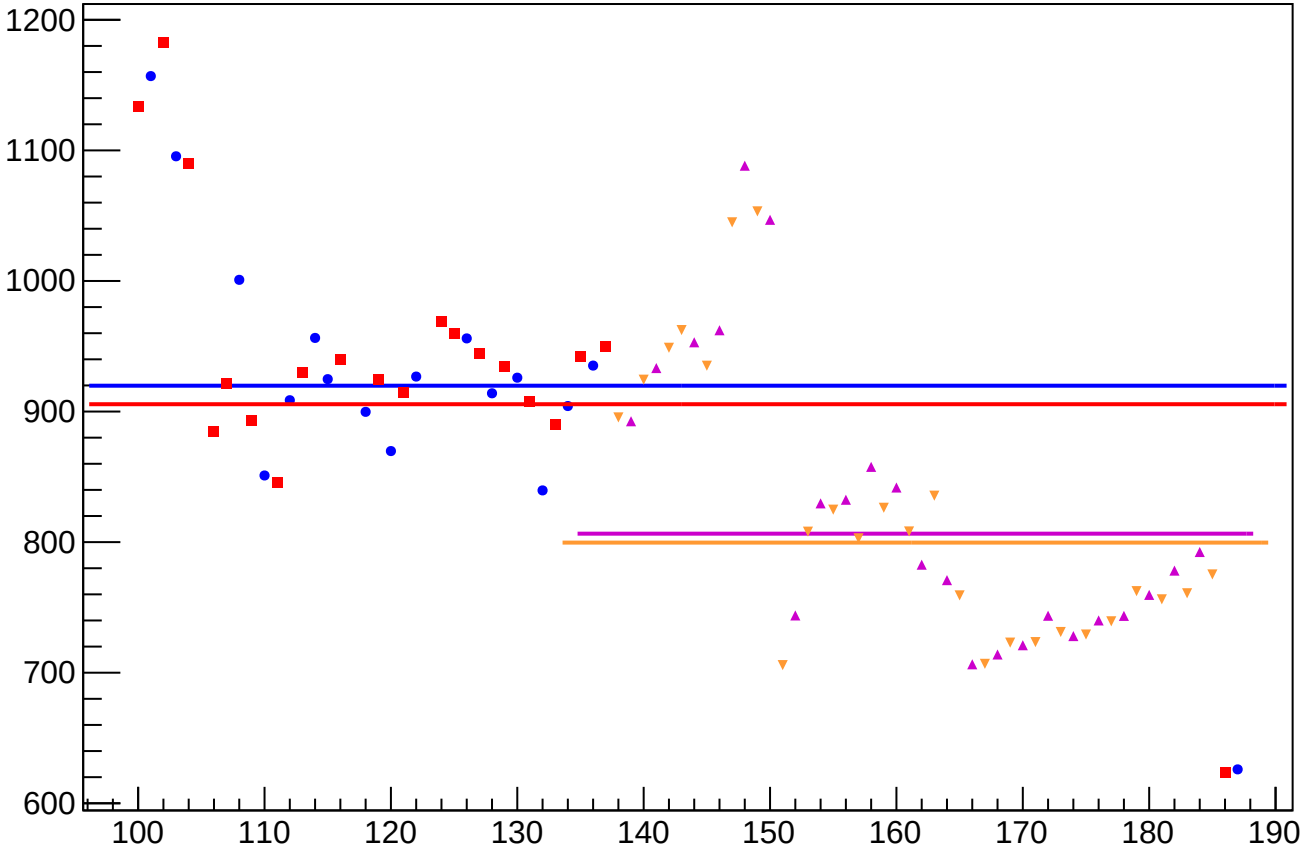
Right: -30.849+/-0.235 χ^2/NDF: 59589.1/36

In: 14.386+/-0.166 χ^2/NDF:126280.8/39

Out: -9.693+/-0.159 χ^2/NDF:26665.4/44

All: 1.881+/-0.115 χ^2/NDF: 163917.1/84

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 919.797+/-0.240 χ^2/NDF: 192816.0/16

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 905.621+/-0.230 χ^2/NDF: 292350.6/19

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

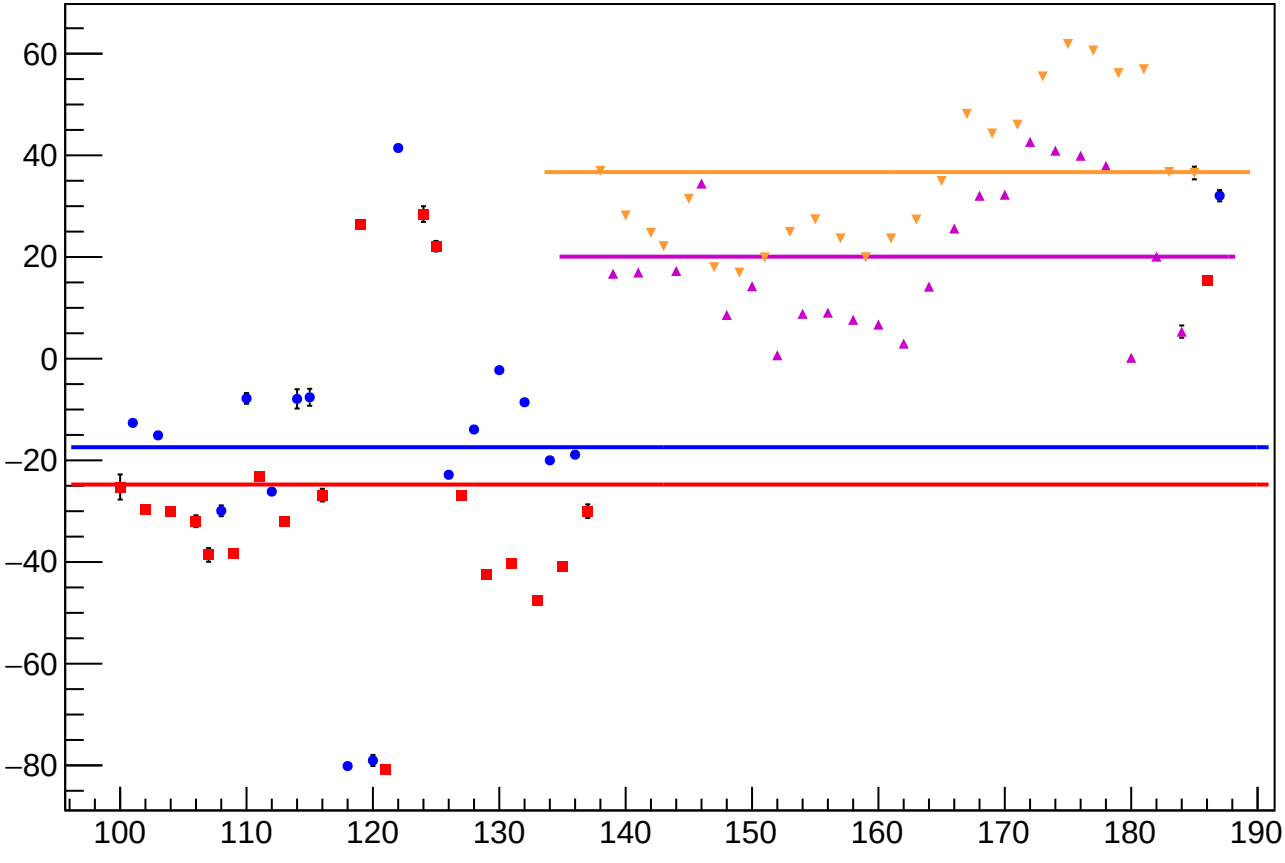
Right: 912.389+/-0.166 χ^2/NDF: 486987.6/36

In: 833.446+/-0.117 χ^2/NDF:873802.9/39

Out: 825.185+/-0.113 χ^2/NDF:951568.5/44

All: 829.156+/-0.081 χ^2/NDF: 1827953.5/84

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -17.416+/-0.229 χ^2/NDF: 15226.3/16

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -24.757+/-0.220 χ^2/NDF: 16087.8/19

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

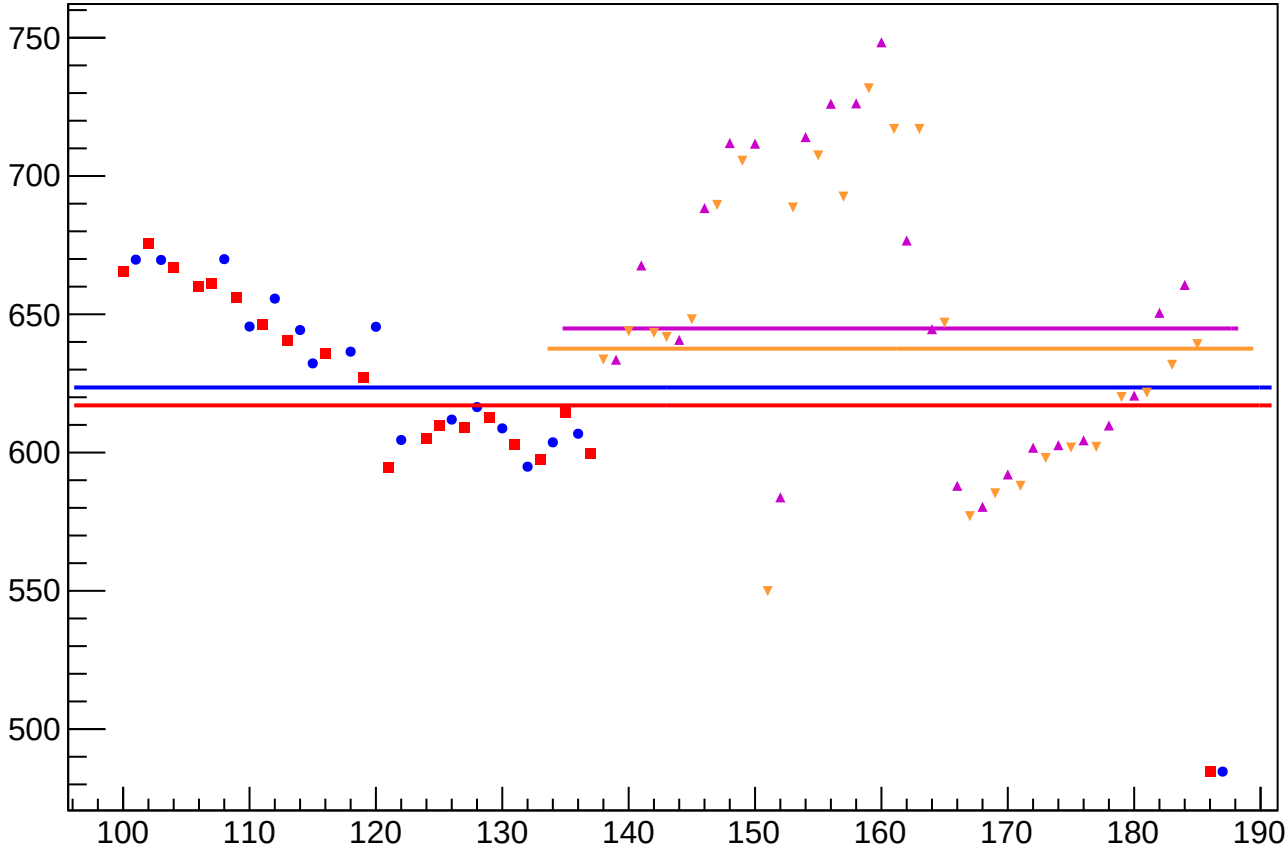
Right: -21.240+/-0.159 χ^2/NDF: 31849.1/36

In: 8.689+/-0.126 χ^2/NDF:42437.6/39

Out: 17.979+/-0.121 χ^2/NDF:80738.9/44

All: 13.519+/-0.087 χ^2/NDF: 125993.3/84

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 623.539+/-0.162 χ^2/NDF: 57729.9/16

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 617.059+/-0.155 χ^2/NDF: 94279.6/19

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

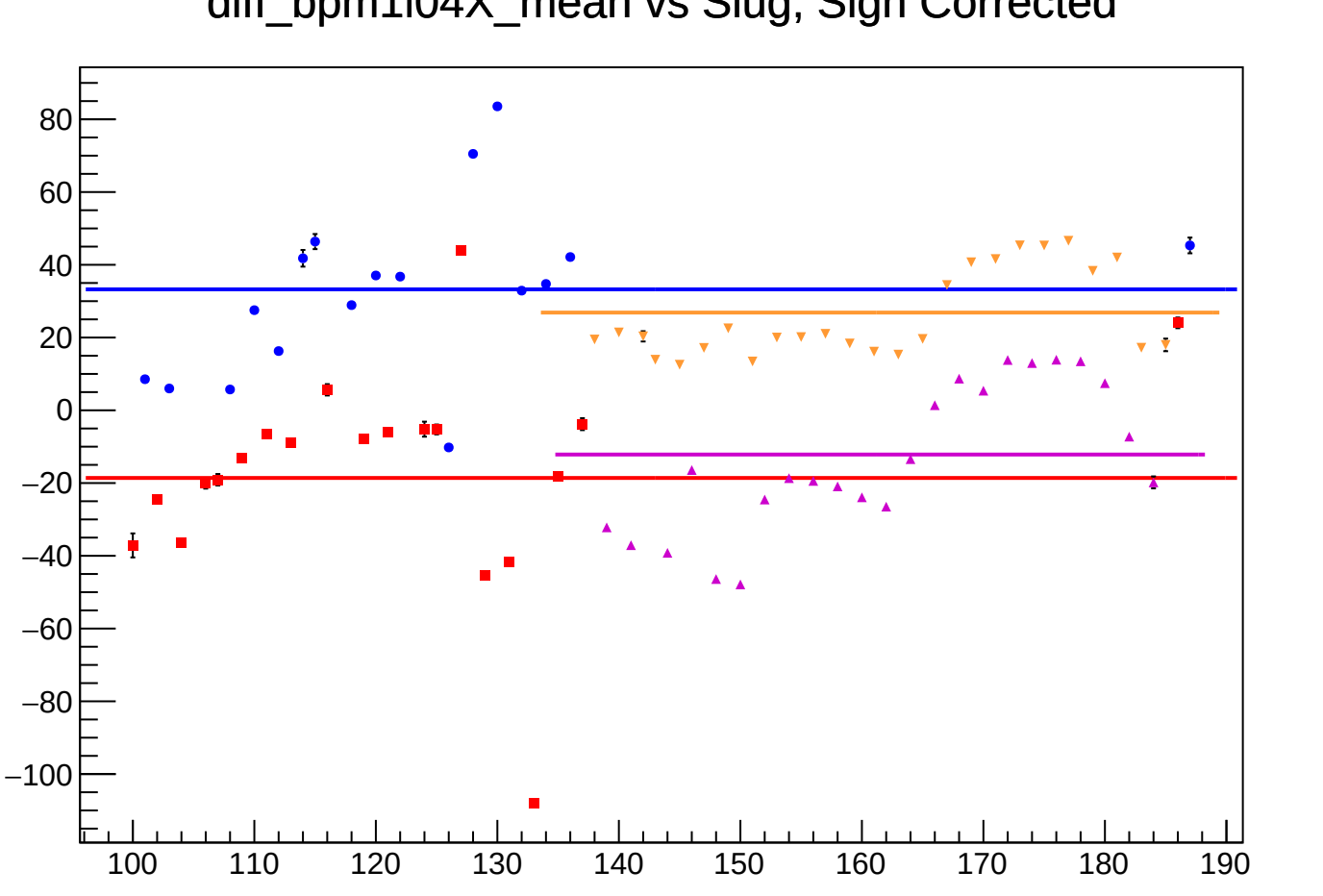
Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

Right: 620.164+/-0.112 χ^2/NDF: 152843.0/36

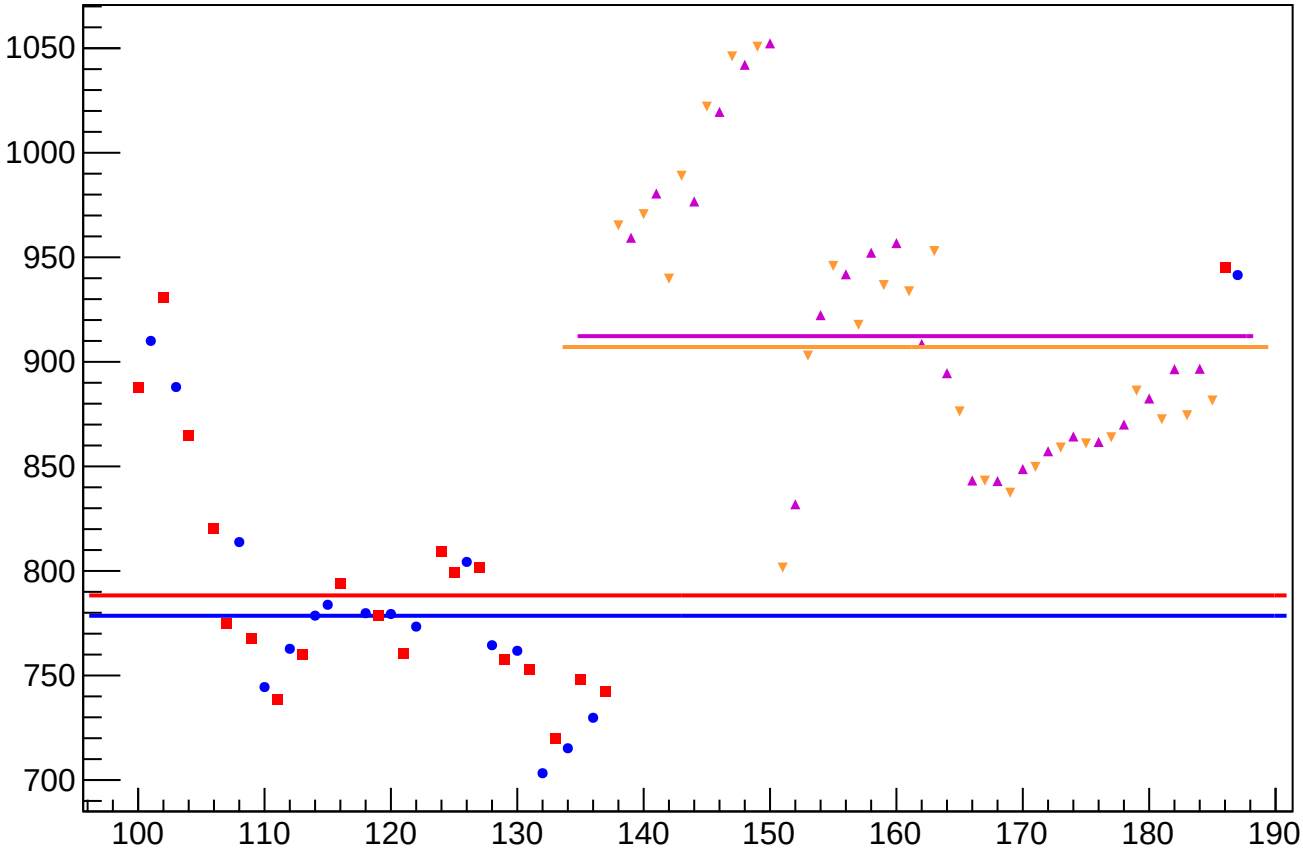
In: 638.396+/-0.089 χ^2/NDF:299372.2/39

Out: 631.320+/-0.086 χ^2/NDF:342939.8/44

All: 634.717+/-0.062 χ^2/NDF: 645580.4/84


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: 33.248+/-0.286 χ²/NDF: 6731.8/16
Left Out: 26.866+/-0.207 χ²/NDF:3390.4/24
Right Out: -18.600+/-0.281 χ²/NDF: 12743.9/19
Left In: -12.159+/-0.214 χ²/NDF:8547.0/22
Left: 8.004+/-0.149 χ²/NDF: 29170.3/47
Right: 6.805+/-0.200 χ²/NDF: 36193.8/36
In: 4.081+/-0.171 χ²/NDF:31428.0/39
Out: 10.883+/-0.166 χ²/NDF:33147.9/44
All: 7.579+/-0.119 χ²/NDF: 65387.2/84

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 778.562+/-0.202 χ^2/NDF: 86177.4/16

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 788.299+/-0.198 χ^2/NDF: 88221.7/19

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

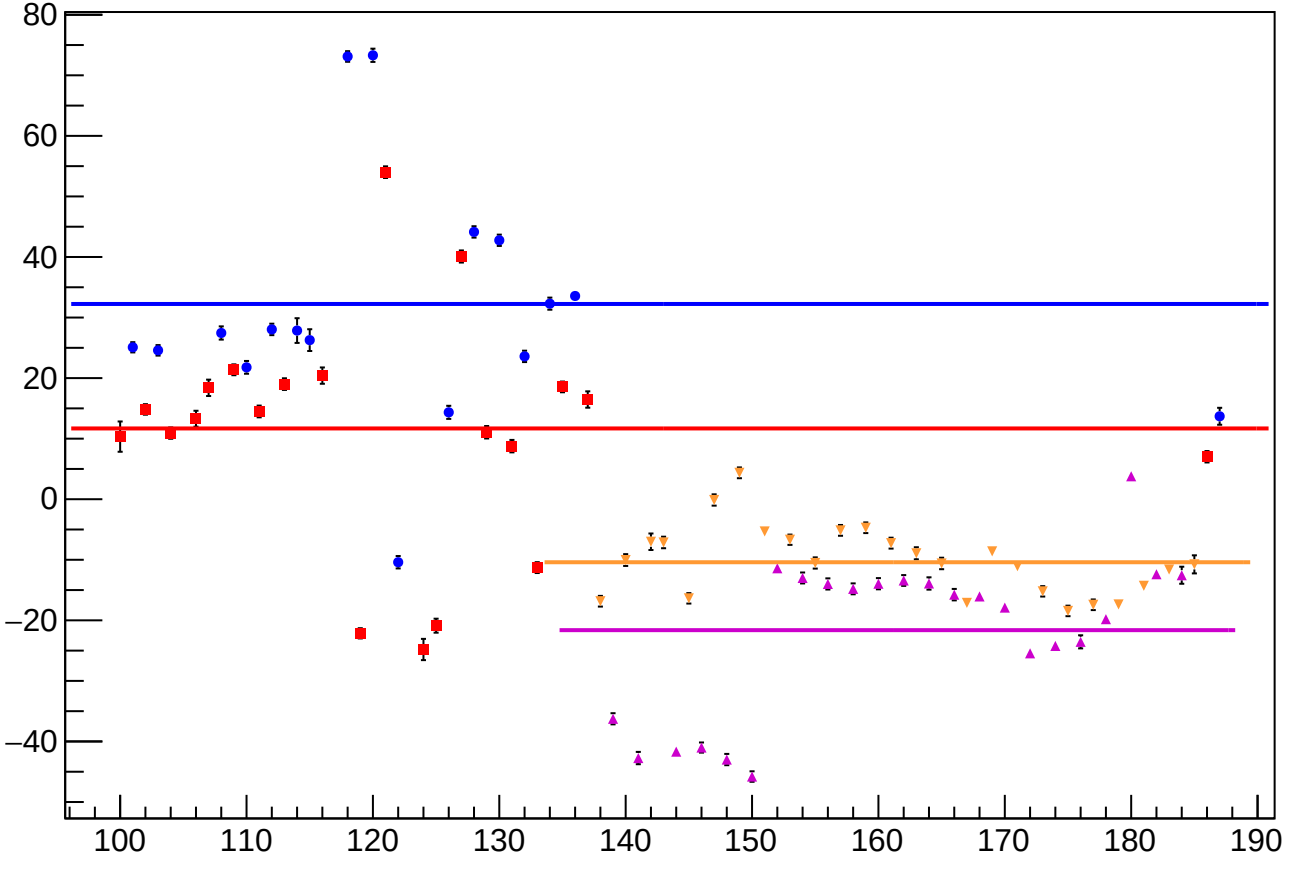
Right: 783.528+/-0.142 χ^2/NDF: 175578.4/36

In: 864.469+/-0.121 χ^2/NDF:541082.6/39

Out: 865.329+/-0.118 χ^2/NDF:515105.4/44

All: 864.911+/-0.084 χ^2/NDF: 1056213.9/84

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.241+/-0.240 χ^2/NDF: 6440.5/16

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 11.686+/-0.234 χ^2/NDF: 6586.1/19

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

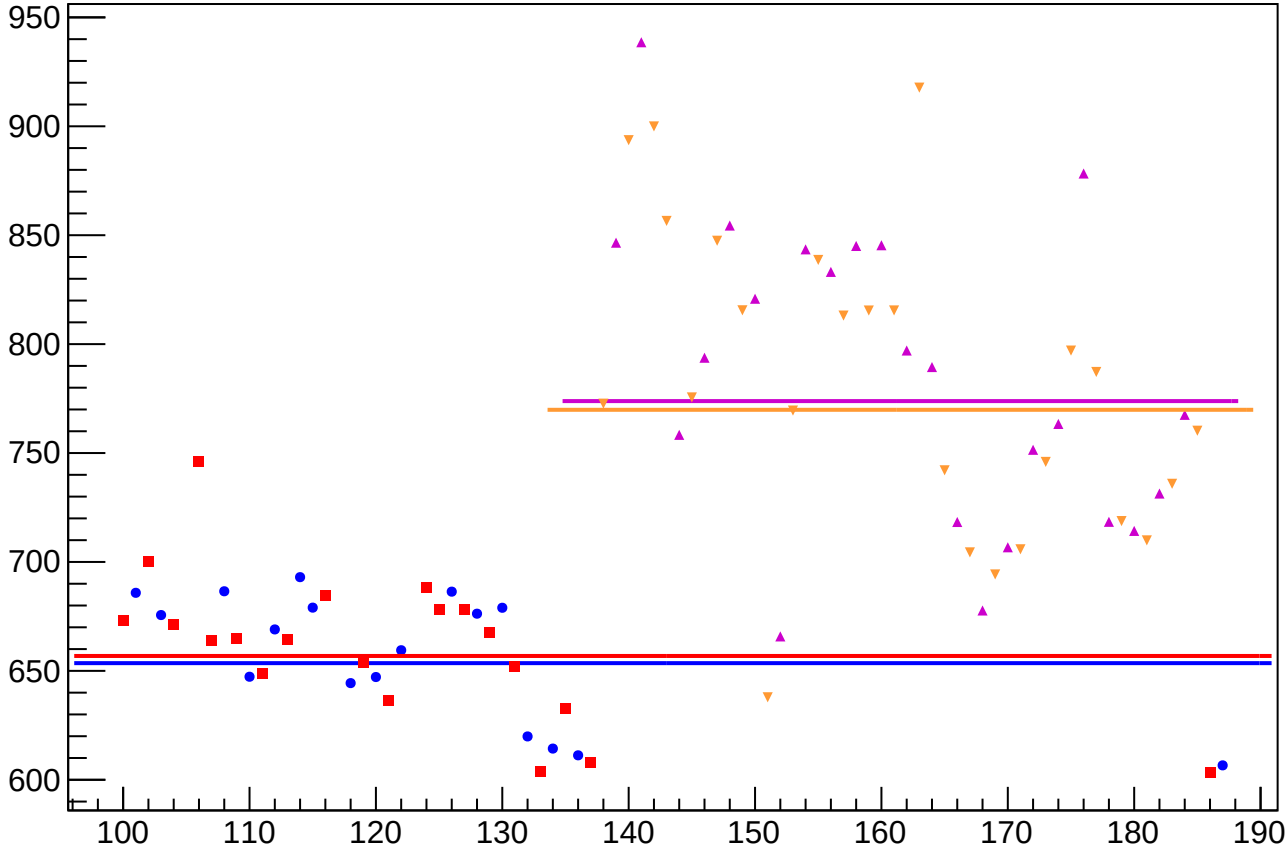
Right: 21.688+/-0.167 χ^2/NDF: 16795.5/36

In: -1.955+/-0.145 χ^2/NDF:43684.0/39

Out: -2.405+/-0.141 χ^2/NDF:13334.4/44

All: -2.187+/-0.101 χ^2/NDF: 57023.4/84

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 653.547+/-0.170 χ^2/NDF: 29065.1/16

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 656.841+/-0.165 χ^2/NDF: 37301.5/19

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

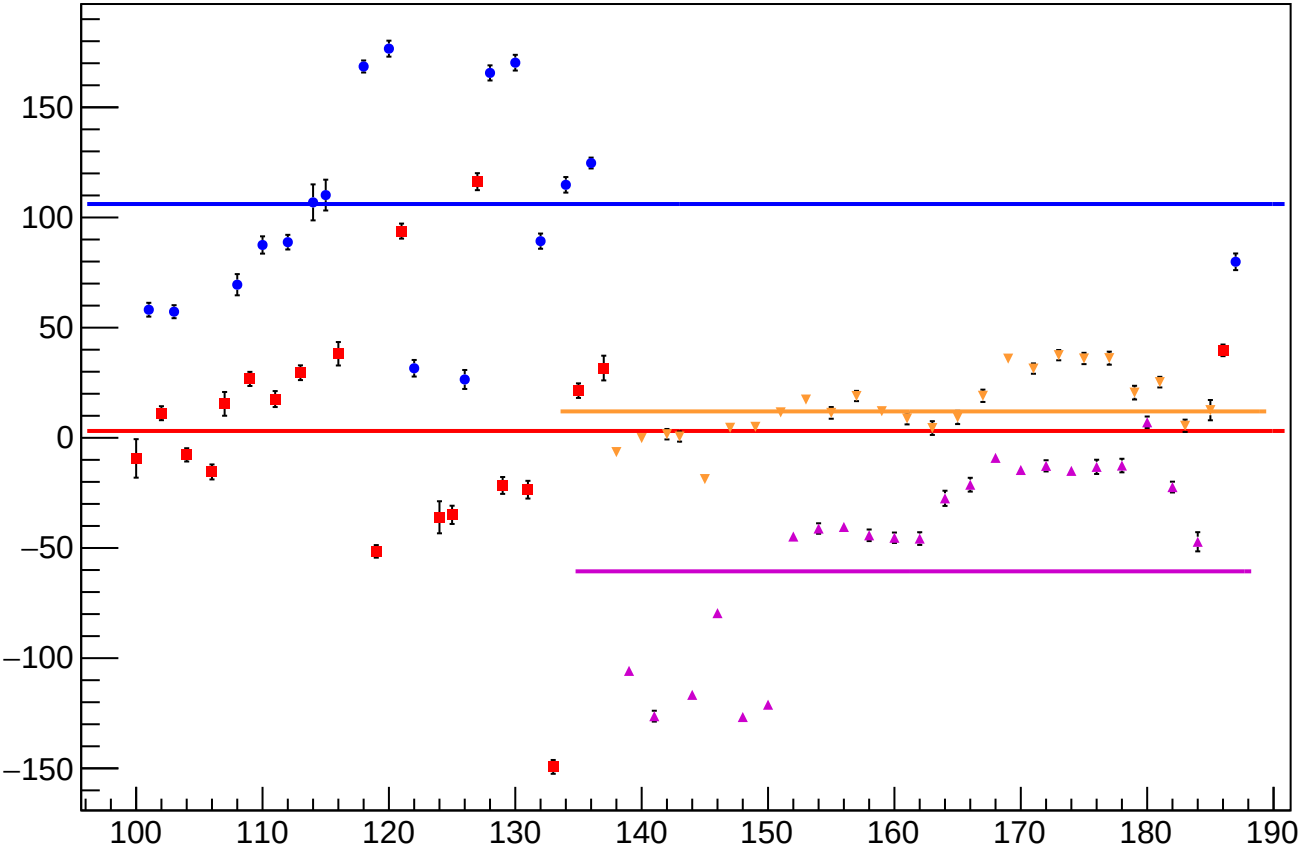
Right: 655.238+/-0.118 χ^2/NDF: 66560.3/36

In: 729.921+/-0.103 χ^2/NDF:631173.7/39

Out: 728.921+/-0.099 χ^2/NDF:640465.4/44

All: 729.406+/-0.071 χ^2/NDF: 1271688.1/84

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 106.108+/-0.862 χ^2/NDF: 3006.6/16

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 3.110+/-0.818 χ^2/NDF: 4976.9/19

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

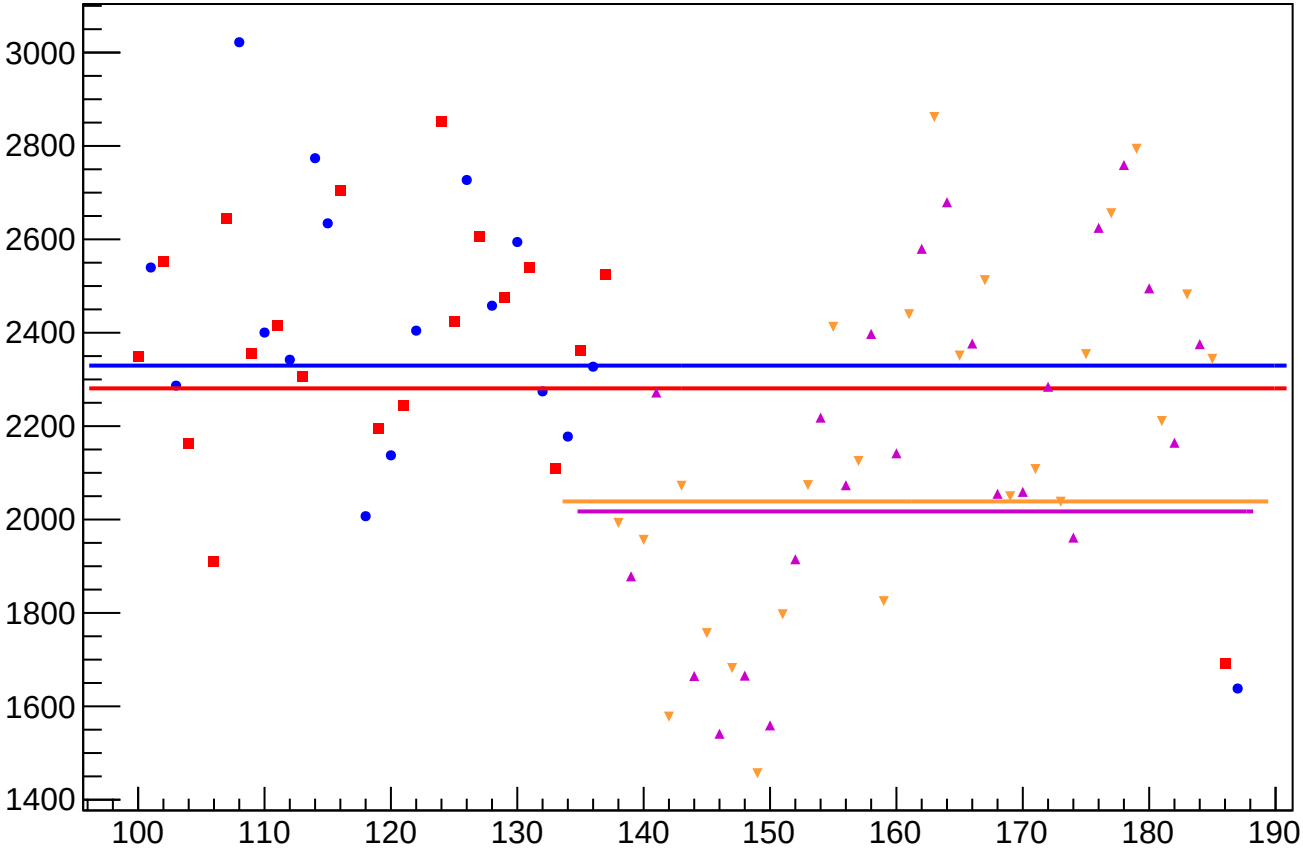
Right: 51.935+/-0.593 χ^2/NDF: 15493.1/36

In: -21.026+/-0.420 χ^2/NDF:40169.1/39

Out: 9.776+/-0.409 χ^2/NDF:6012.3/44

All: -5.201+/-0.293 χ^2/NDF: 48945.0/84

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2329.651+/-0.610 χ^2/NDF: 197462.1/16

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 2280.907+/-0.579 χ^2/NDF: 222808.3/19

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

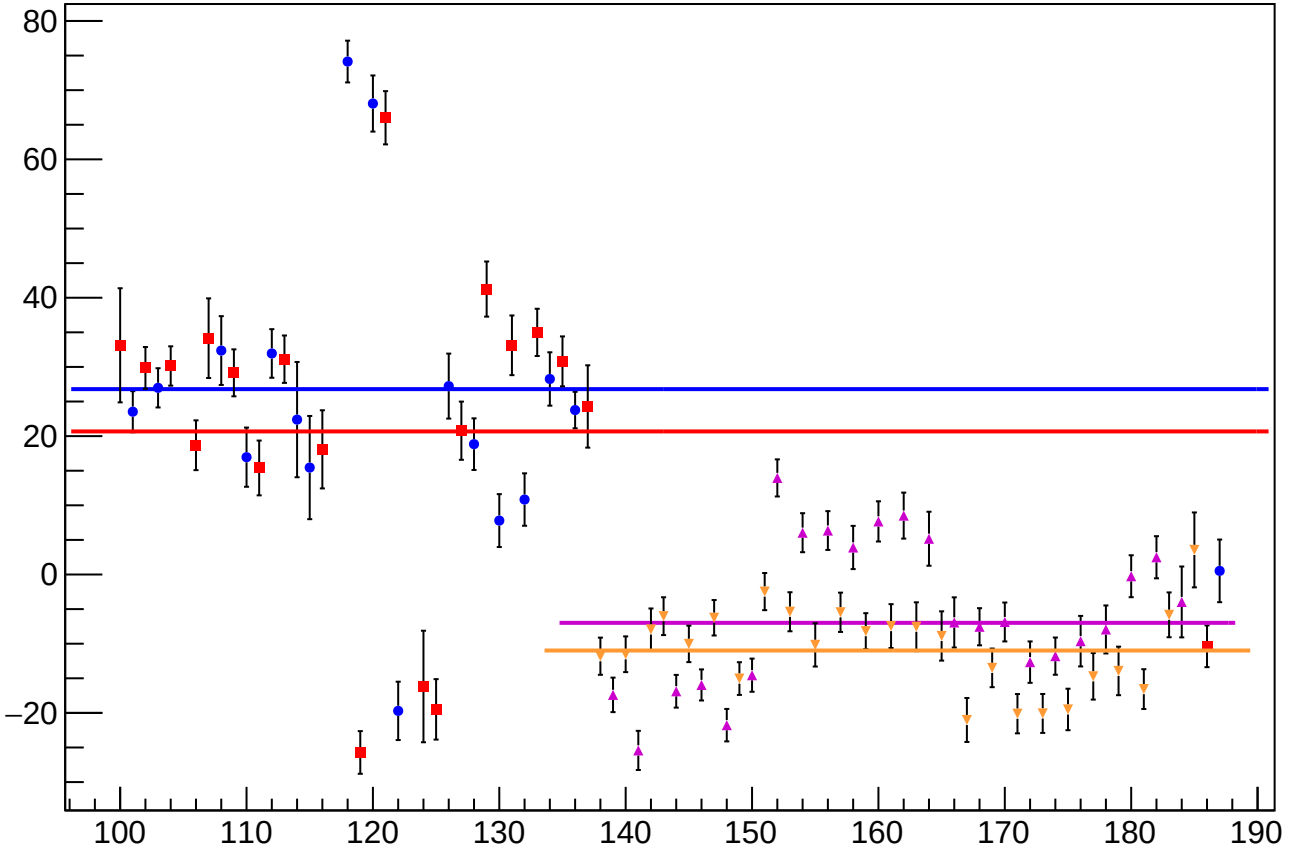
Right: 2304.013+/-0.420 χ^2/NDF: 423634.2/36

In: 2091.466+/-0.297 χ^2/NDF:1447746.1/39

Out: 2099.138+/-0.289 χ^2/NDF:1477768.1/44

All: 2095.407+/-0.207 χ^2/NDF: 2925857.2/84

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 26.791+/-0.917 χ^2/NDF: 565.8/16

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 20.678+/-0.865 χ^2/NDF: 683.3/19

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

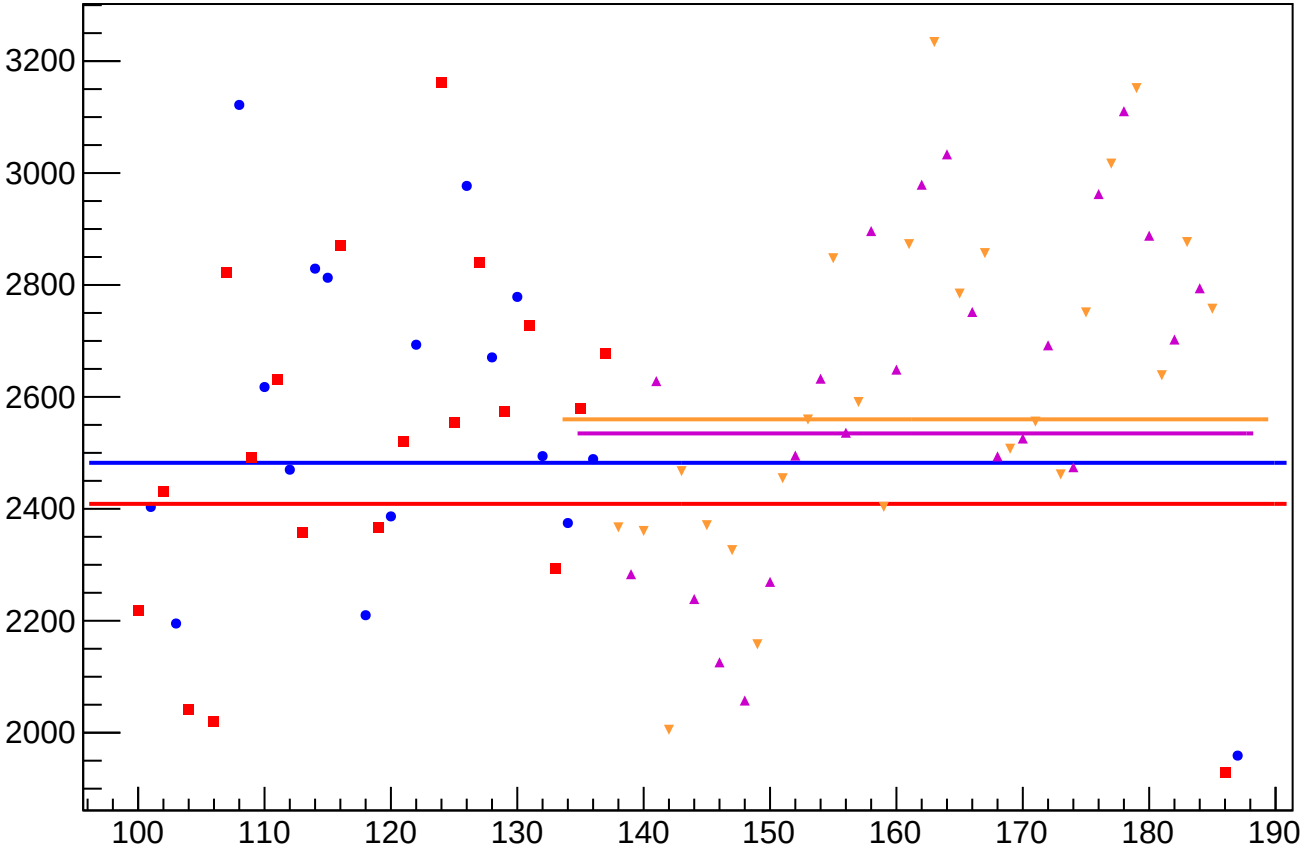
Right: 23.554+/-0.629 χ^2/NDF: 1272.6/36

In: 3.099+/-0.501 χ^2/NDF:1856.3/39

Out: -1.023+/-0.485 χ^2/NDF:1689.8/44

All: 0.970+/-0.349 χ^2/NDF: 3581.0/84

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2482.251+/-0.649 χ^2/NDF: 154456.1/16

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2408.899+/-0.611 χ^2/NDF: 208437.8/19

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

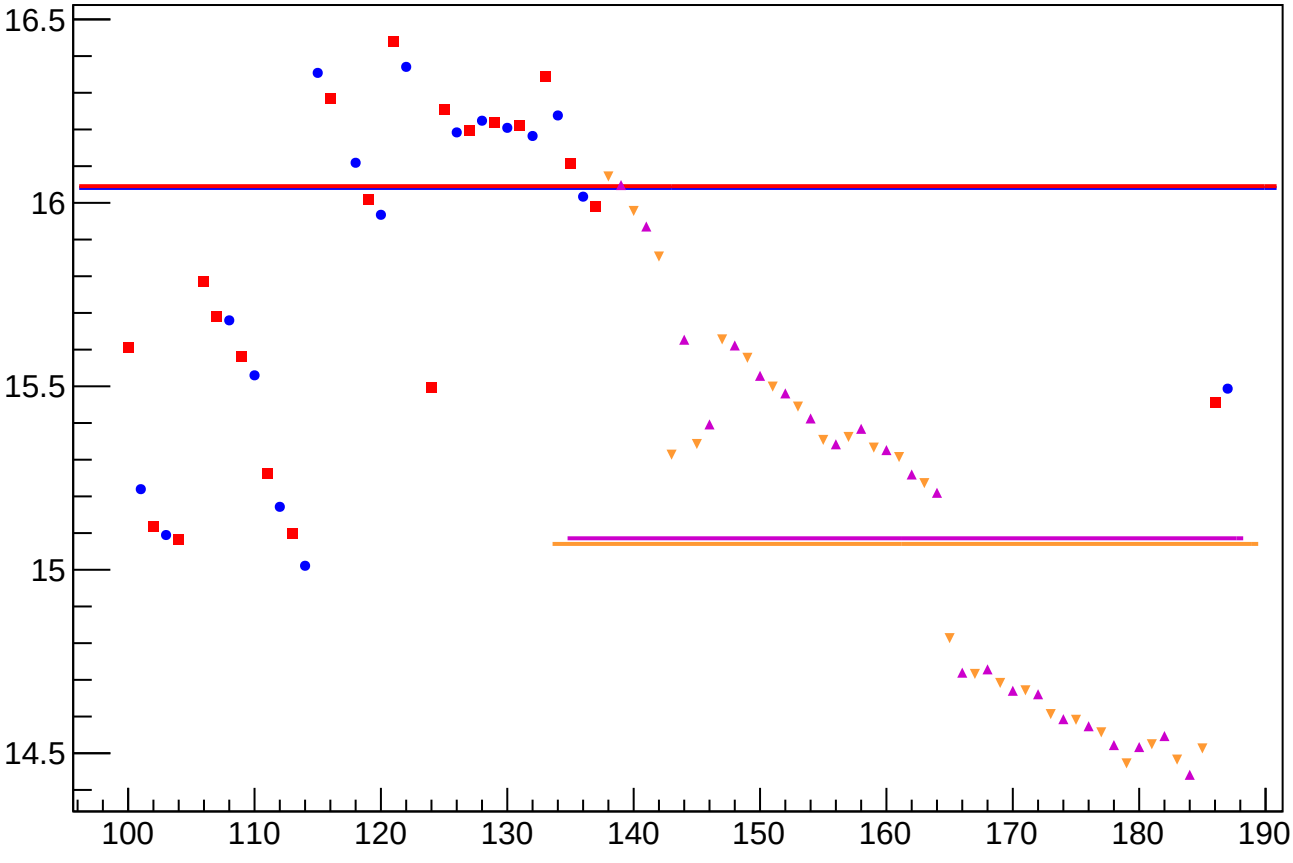
Right: 2443.412+/-0.445 χ^2/NDF: 369664.9/36

In: 2519.097+/-0.354 χ^2/NDF:622678.2/39

Out: 2512.413+/-0.343 χ^2/NDF:700440.6/44

All: 2515.646+/-0.246 χ^2/NDF: 1323302.4/84

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.041+/-0.000 χ^2/NDF: 2876802256.0/16

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 16.045+/-0.000 χ^2/NDF: 3561004039.5/19

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

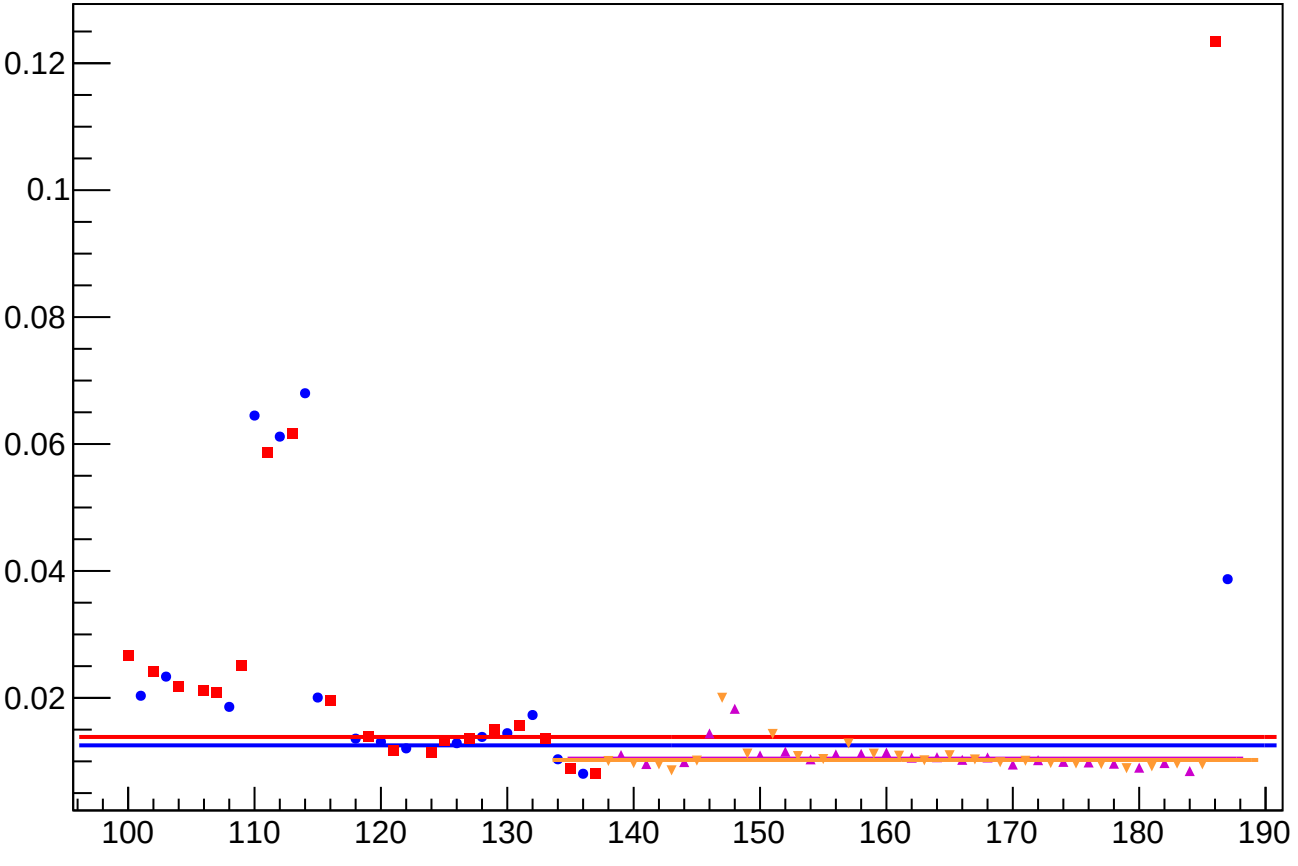
Right: 16.043+/-0.000 χ^2/NDF: 6438173705.3/36

In: 15.262+/-0.000 χ^2/NDF:68954944743.5/39

Out: 15.214+/-0.000 χ^2/NDF:71677100557.9/44

All: 15.238+/-0.000 χ^2/NDF: 140856825978.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2482988.0/16

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2842950.7/19

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

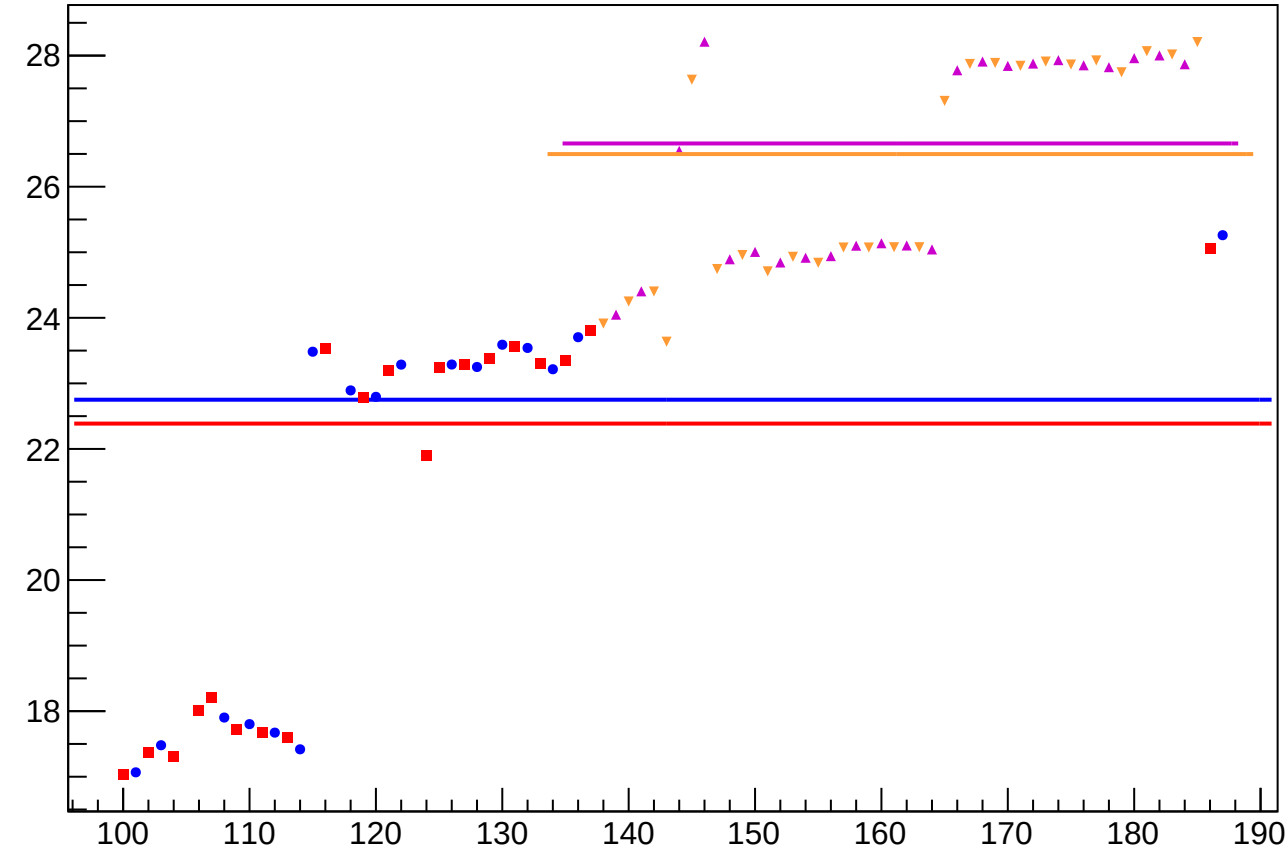
Right: 0.013+/-0.000 χ^2/NDF: 5383047.4/36

In: 0.011+/-0.000 χ^2/NDF:3336004.9/39

Out: 0.011+/-0.000 χ^2/NDF:4278066.9/44

All: 0.011+/-0.000 χ^2/NDF: 7614832.3/84

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.751+/-0.000 χ^2/NDF: 1233565641.4/16

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.387+/-0.000 χ^2/NDF: 1224543723.7/19

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

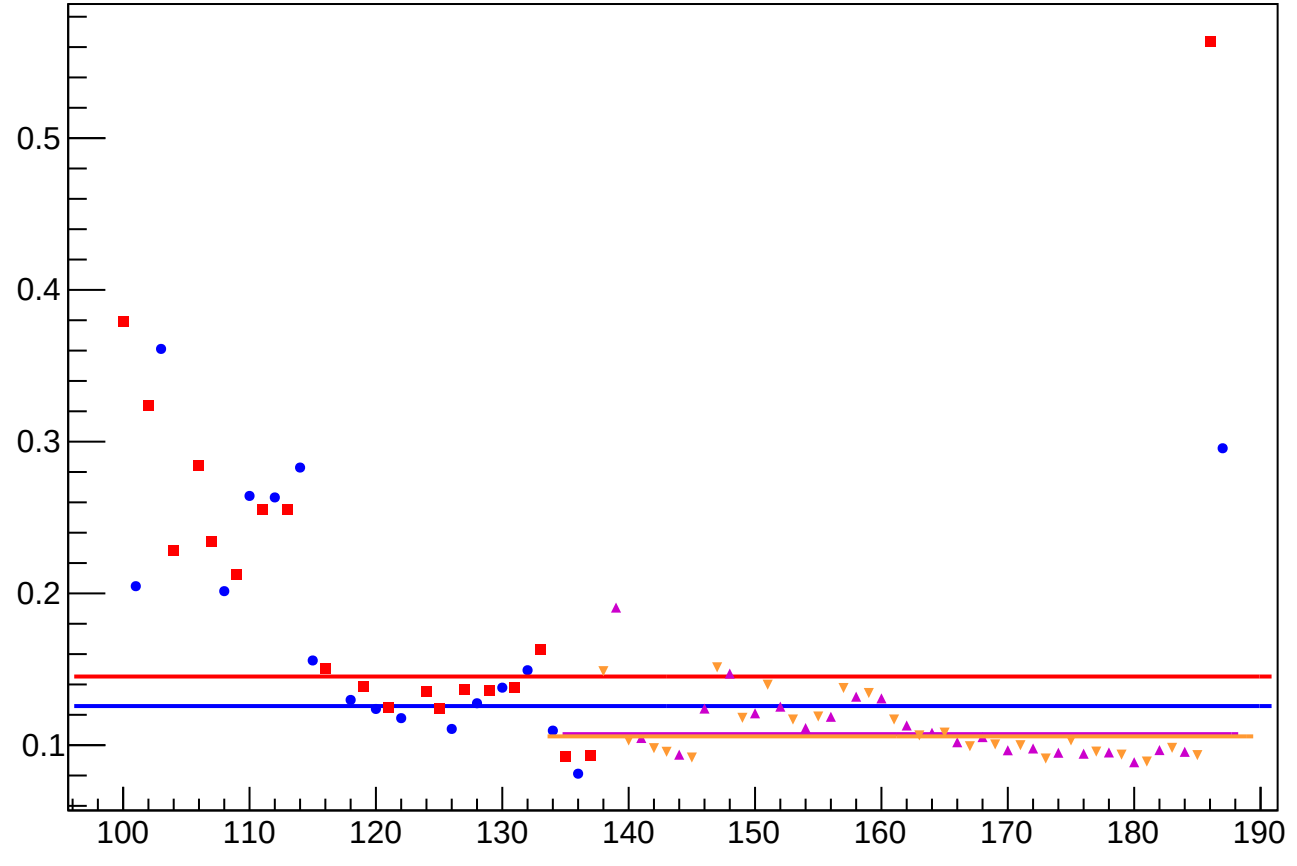
Right: 22.588+/-0.000 χ^2/NDF: 2478663263.4/36

In: 25.868+/-0.000 χ^2/NDF:8330556138.2/39

Out: 25.843+/-0.000 χ^2/NDF:9123777271.0/44

All: 25.855+/-0.000 χ^2/NDF: 17454852623.1

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.126+/-0.000 χ^2/NDF: 1867609.5/16

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.145+/-0.000 χ^2/NDF: 2007957.1/19

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

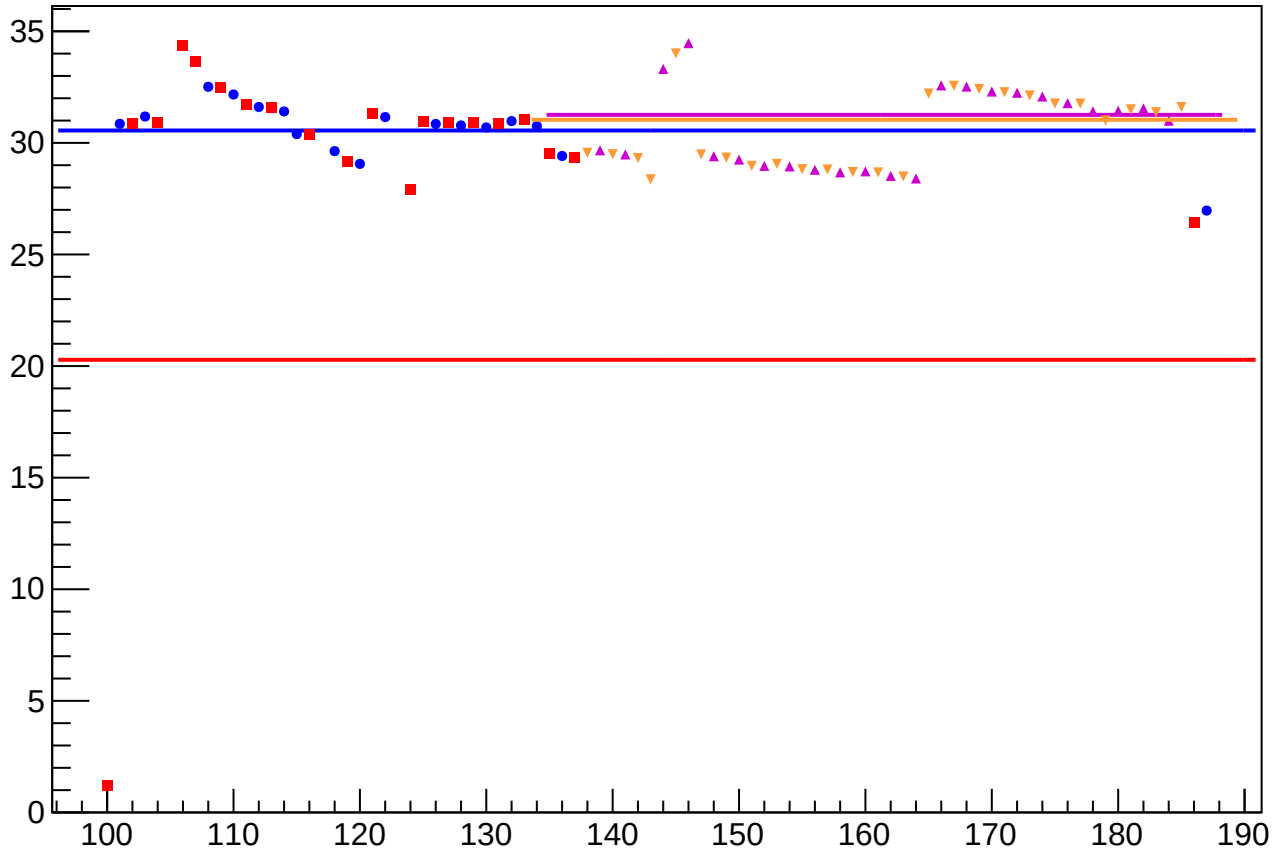
Right: 0.134+/-0.000 χ^2/NDF: 3992967.4/36

In: 0.111+/-0.000 χ^2/NDF:2915715.7/39

Out: 0.112+/-0.000 χ^2/NDF:3498726.1/44

All: 0.112+/-0.000 χ^2/NDF: 6416368.3/84

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.555+/-0.000 χ^2/NDF: 735013141.2/16

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.282+/-0.000 χ^2/NDF: 221653032550.5/19

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

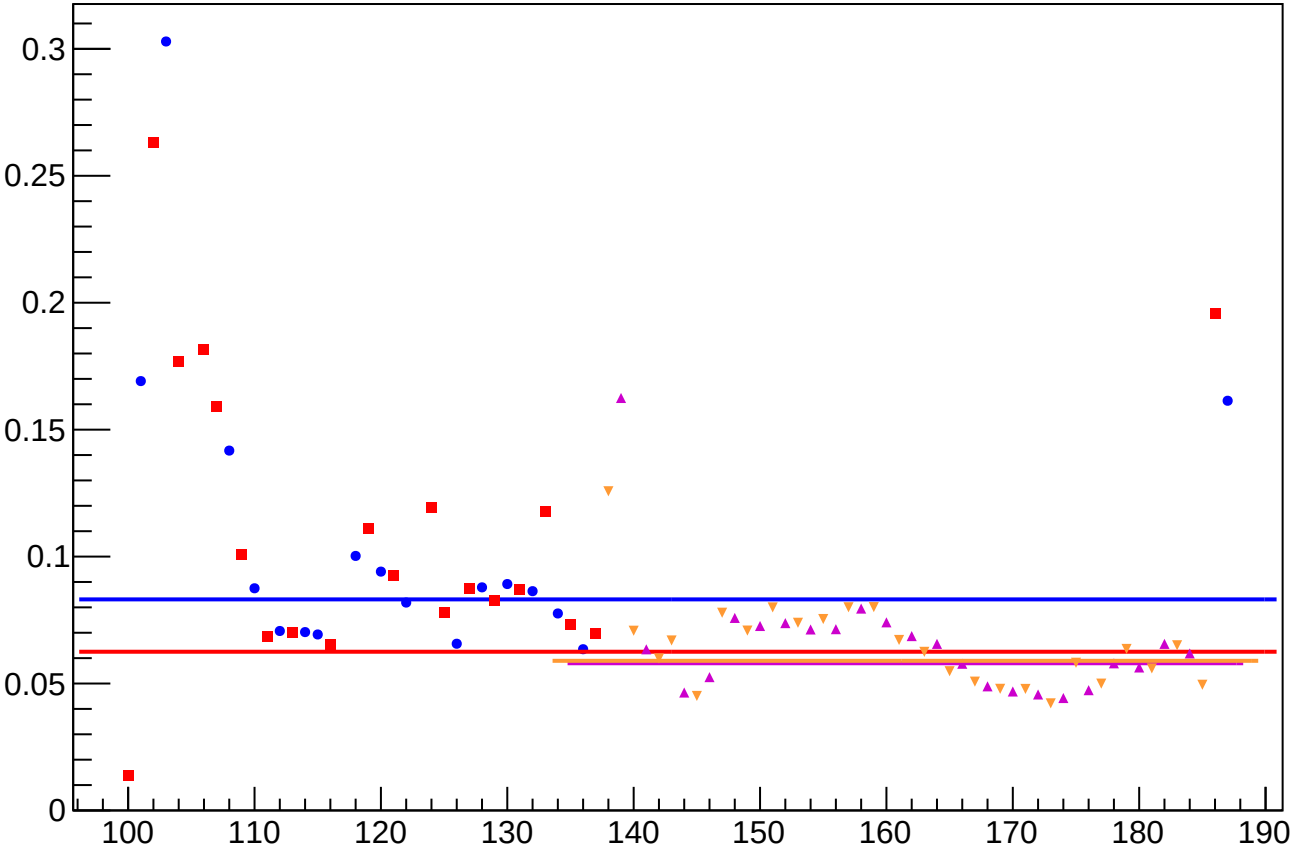
Right: 24.549+/-0.000 χ^2/NDF: 270533997559.1/36

In: 31.144+/-0.000 χ^2/NDF:13646897491.0/39

Out: 28.840+/-0.000 χ^2/NDF:334632849719.8/44

All: 29.939+/-0.000 χ^2/NDF: 361905150979.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF: 1340179.9/16

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.063+/-0.000 χ^2/NDF: 4382054.5/19

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

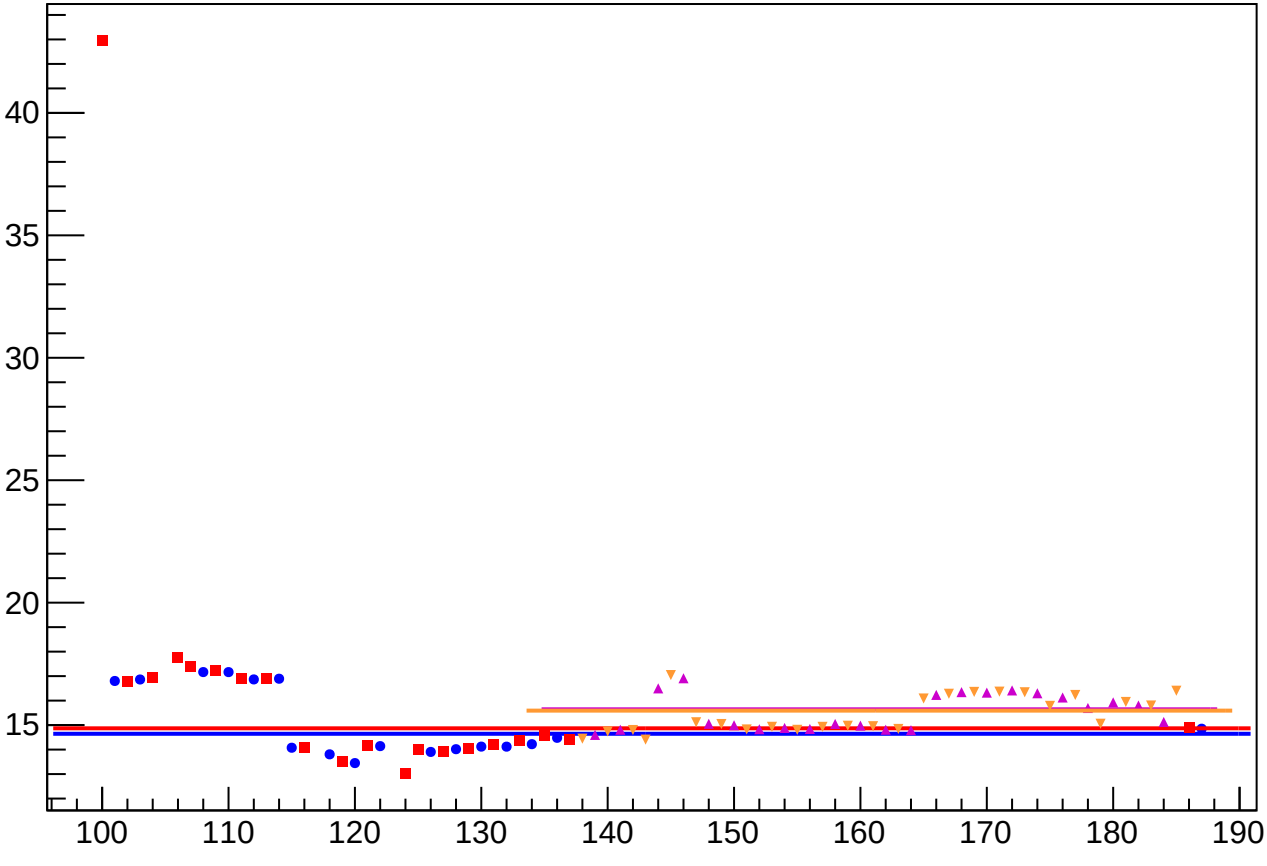
Right: 0.071+/-0.000 χ^2/NDF: 6110207.8/36

In: 0.062+/-0.000 χ^2/NDF:3887267.6/39

Out: 0.060+/-0.000 χ^2/NDF:5941022.4/44

All: 0.061+/-0.000 χ^2/NDF: 9855720.1/84

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.645+/-0.000 χ^2/NDF: 1194098364.1/16

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.868+/-0.000 χ^2/NDF: 1730041813.5/19

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

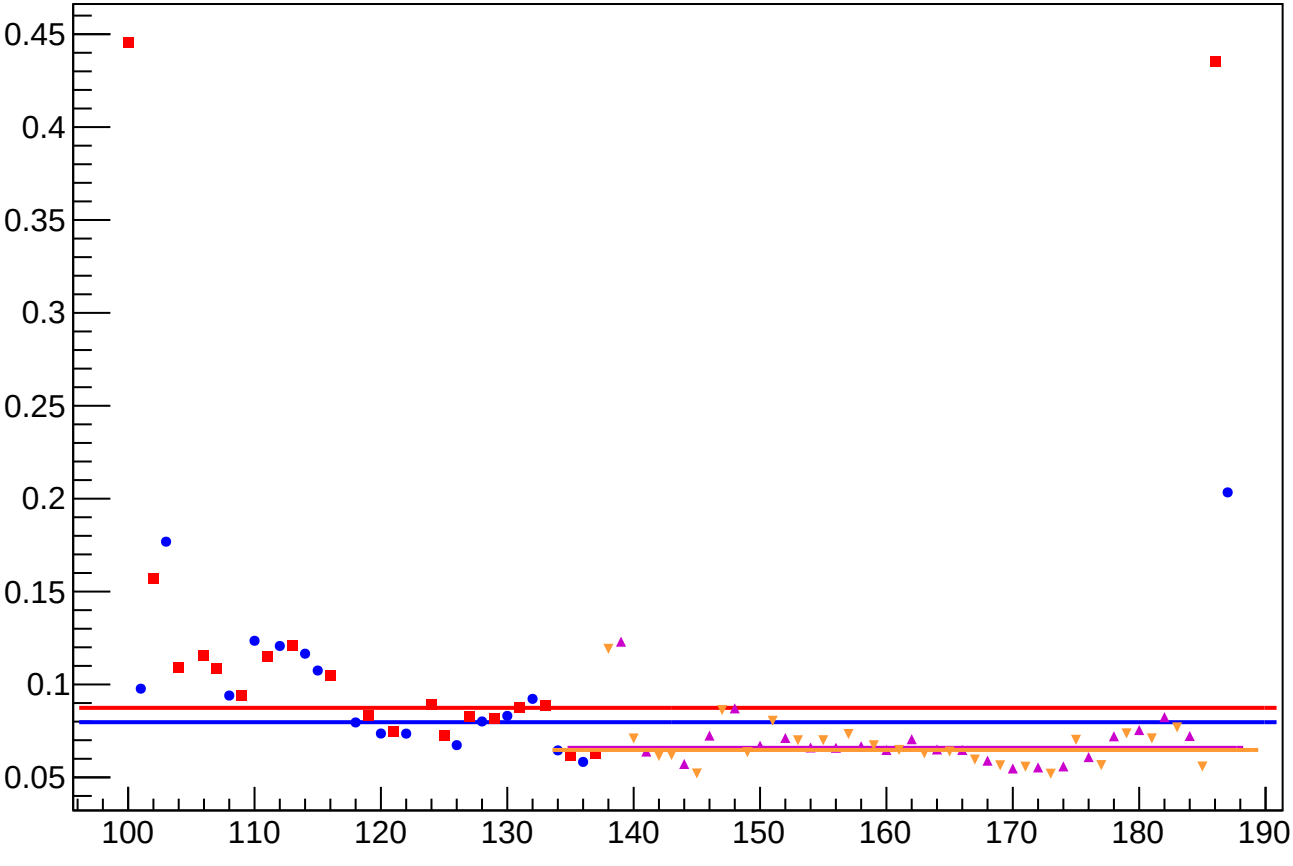
Right: 14.749+/-0.000 χ^2/NDF: 2945970394.1/36

In: 15.436+/-0.000 χ^2/NDF:3797778659.8/39

Out: 15.465+/-0.000 χ^2/NDF:4342548772.0/44

All: 15.451+/-0.000 χ^2/NDF: 8142289136.8/8

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF: 1050744.8/16

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 1293124.7/19

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

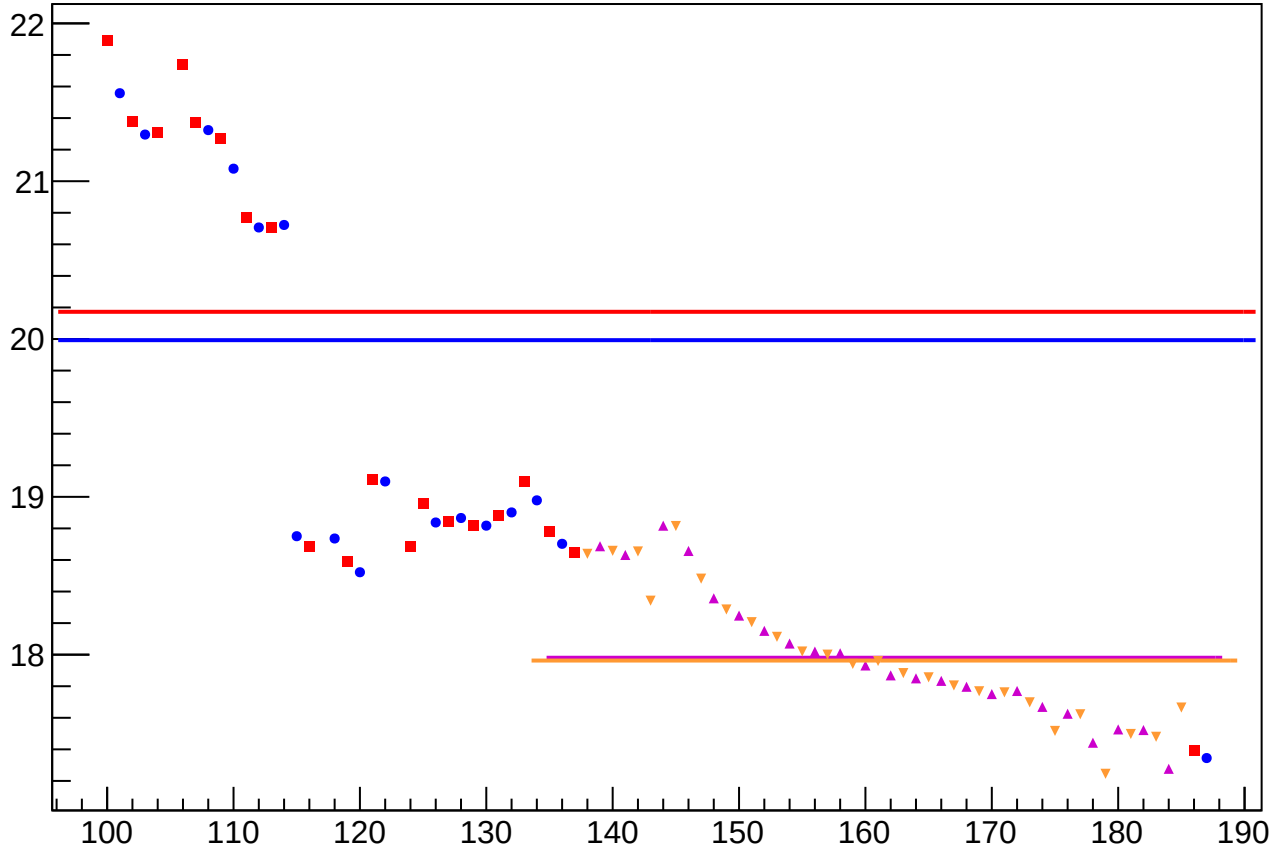
Right: 0.083+/-0.000 χ^2/NDF: 2396303.6/36

In: 0.069+/-0.000 χ^2/NDF:2123150.7/39

Out: 0.069+/-0.000 χ^2/NDF:2846914.8/44

All: 0.069+/-0.000 χ^2/NDF: 4970092.1/84

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.993+/-0.000 χ^2/NDF: 11011618429.6/16

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 20.173+/-0.000 χ^2/NDF: 10455836405.0/19

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

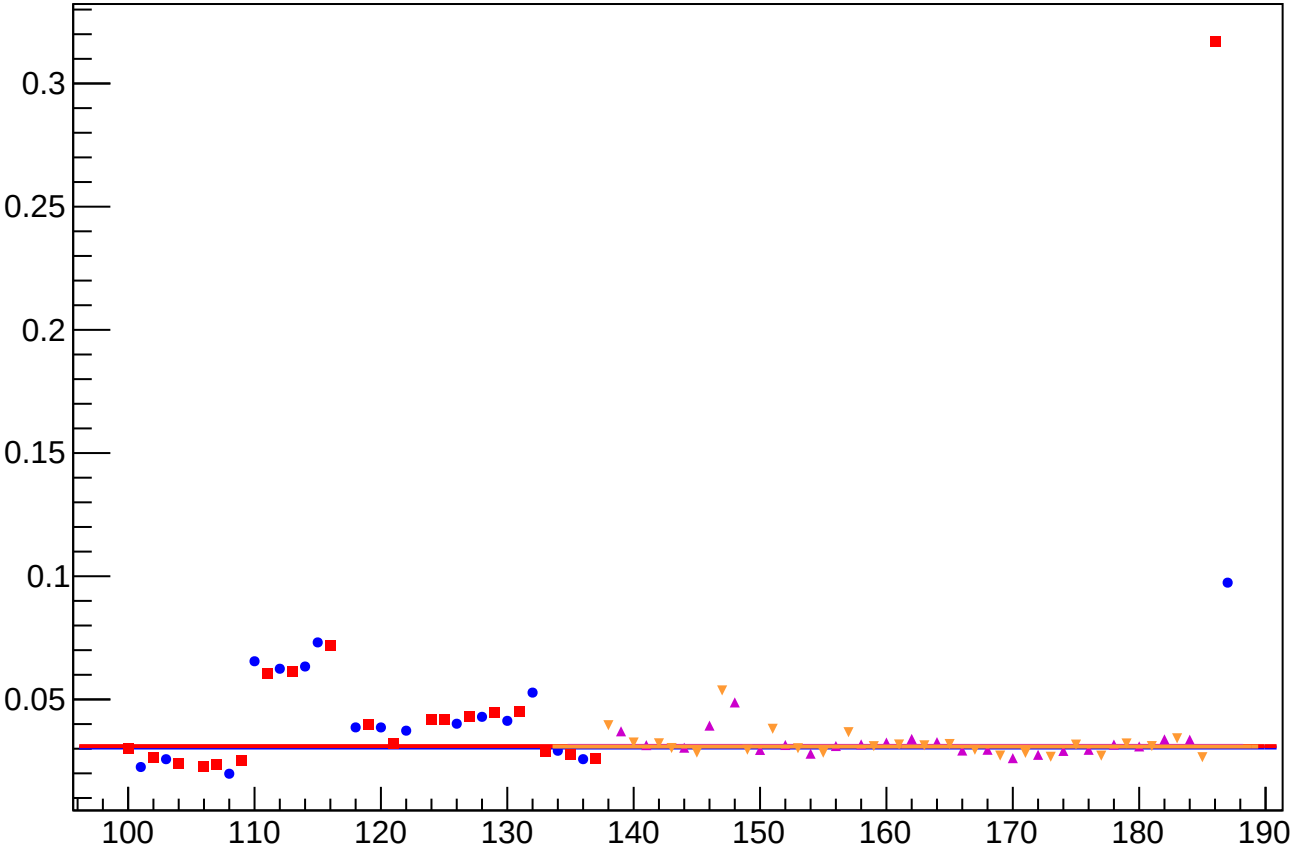
Right: 20.083+/-0.000 χ^2/NDF: 21572743189.0/36

In: 18.518+/-0.000 χ^2/NDF:33072793511.9/39

Out: 18.523+/-0.000 χ^2/NDF:37268513049.7/44

All: 18.521+/-0.000 χ^2/NDF: 70341640731.1

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1616962.8/16

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.031+/-0.000 χ^2/NDF: 1828585.4/19

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

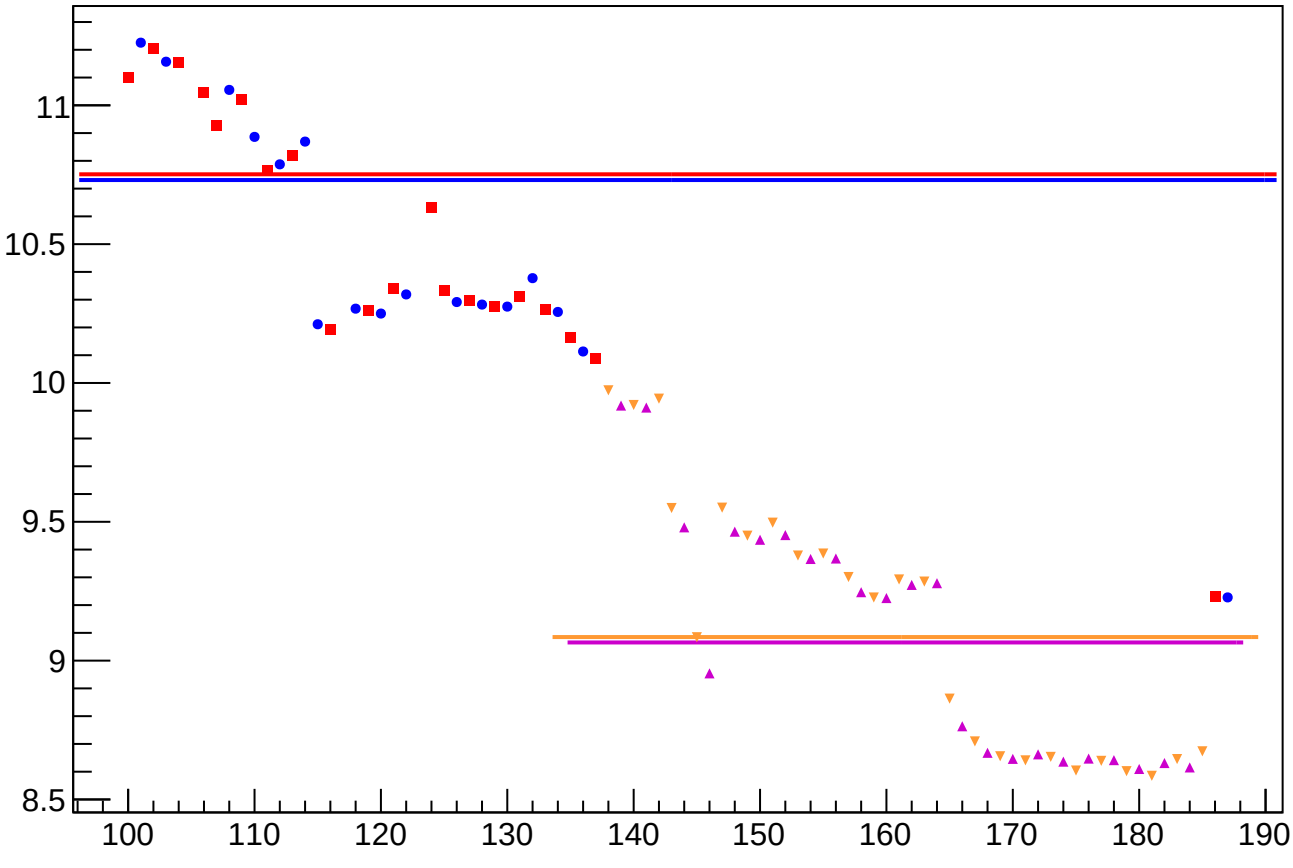
Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

Right: 0.031+/-0.000 χ^2/NDF: 3447660.9/36

In: 0.031+/-0.000 χ^2/NDF:2103949.4/39

Out: 0.031+/-0.000 χ^2/NDF:2462365.3/44

All: 0.031+/-0.000 χ^2/NDF: 4566338.7/84



Right In: 10.731+/-0.000 χ^2/NDF: 6027075801.7/16

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.752+/-0.000 χ^2/NDF: 4394832119.2/19

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

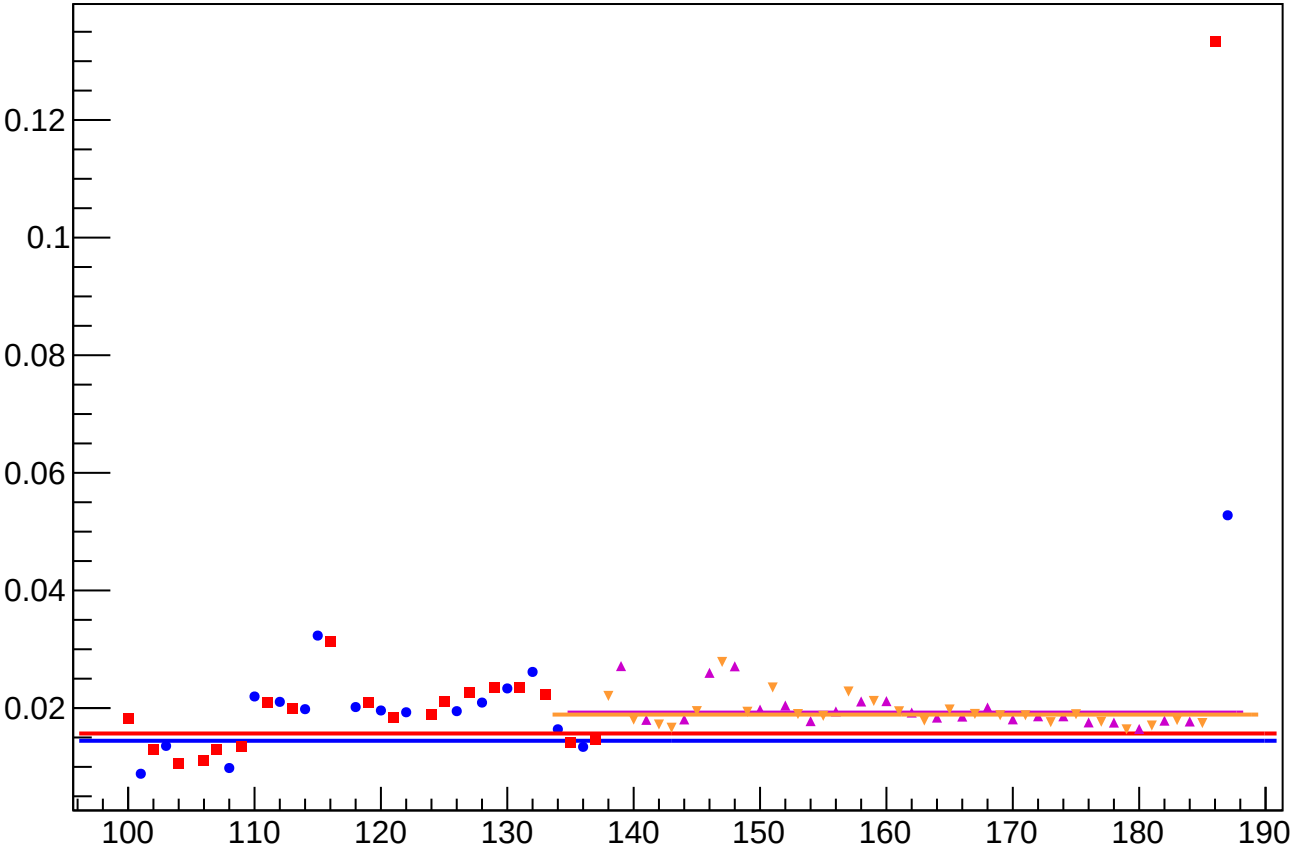
Right: 10.741+/-0.000 χ^2/NDF: 10427590377.0/36

In: 9.702+/-0.000 χ^2/NDF:61542440913.8/39

Out: 9.654+/-0.000 χ^2/NDF:61312896801.4/44

All: 9.677+/-0.000 χ^2/NDF: 122940081368.6

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1673896.6/16

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1677656.8/19

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

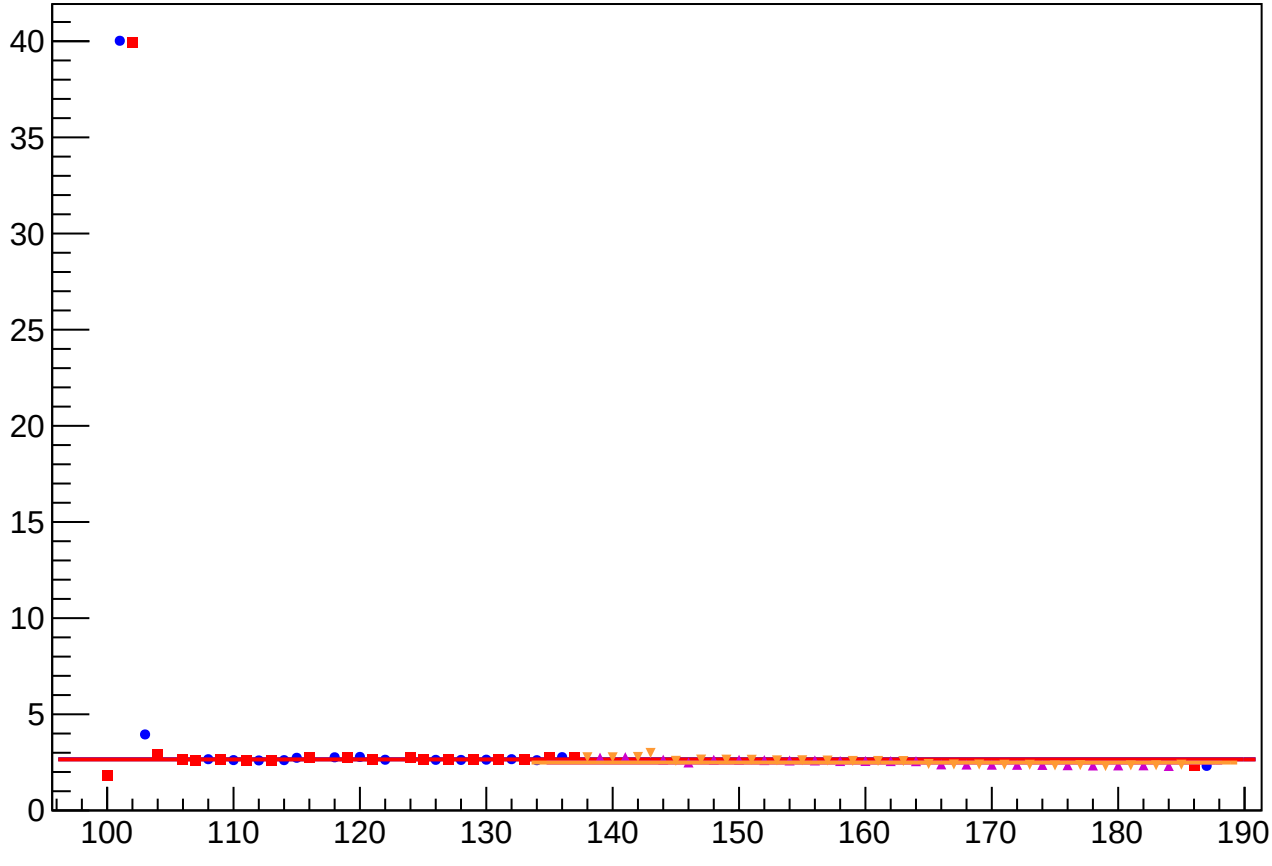
Right: 0.015+/-0.000 χ^2/NDF: 3392232.5/36

In: 0.017+/-0.000 χ^2/NDF:3000269.0/39

Out: 0.018+/-0.000 χ^2/NDF:2467137.8/44

All: 0.018+/-0.000 χ^2/NDF: 5478927.0/84

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.662+/-0.000 χ^2/NDF: 68576107236.0/16

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.653+/-0.000 χ^2/NDF: 66764580057.7/19

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

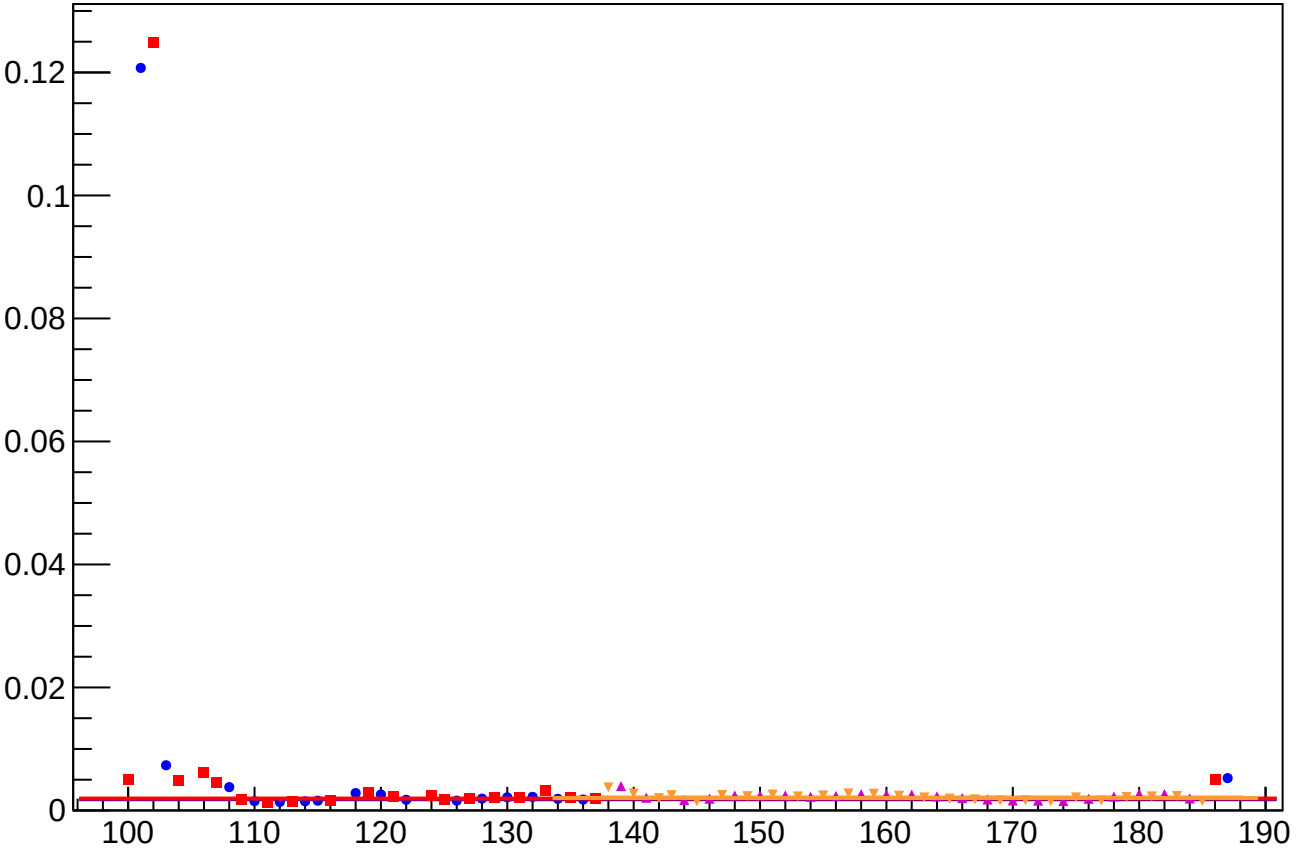
Right: 2.658+/-0.000 χ^2/NDF: 135404645038.2/36

In: 2.540+/-0.000 χ^2/NDF:160556813053.3/39

Out: 2.535+/-0.000 χ^2/NDF:186023378658.2/44

All: 2.538+/-0.000 χ^2/NDF: 346635151457.2

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1969174.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2813103.4/19

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

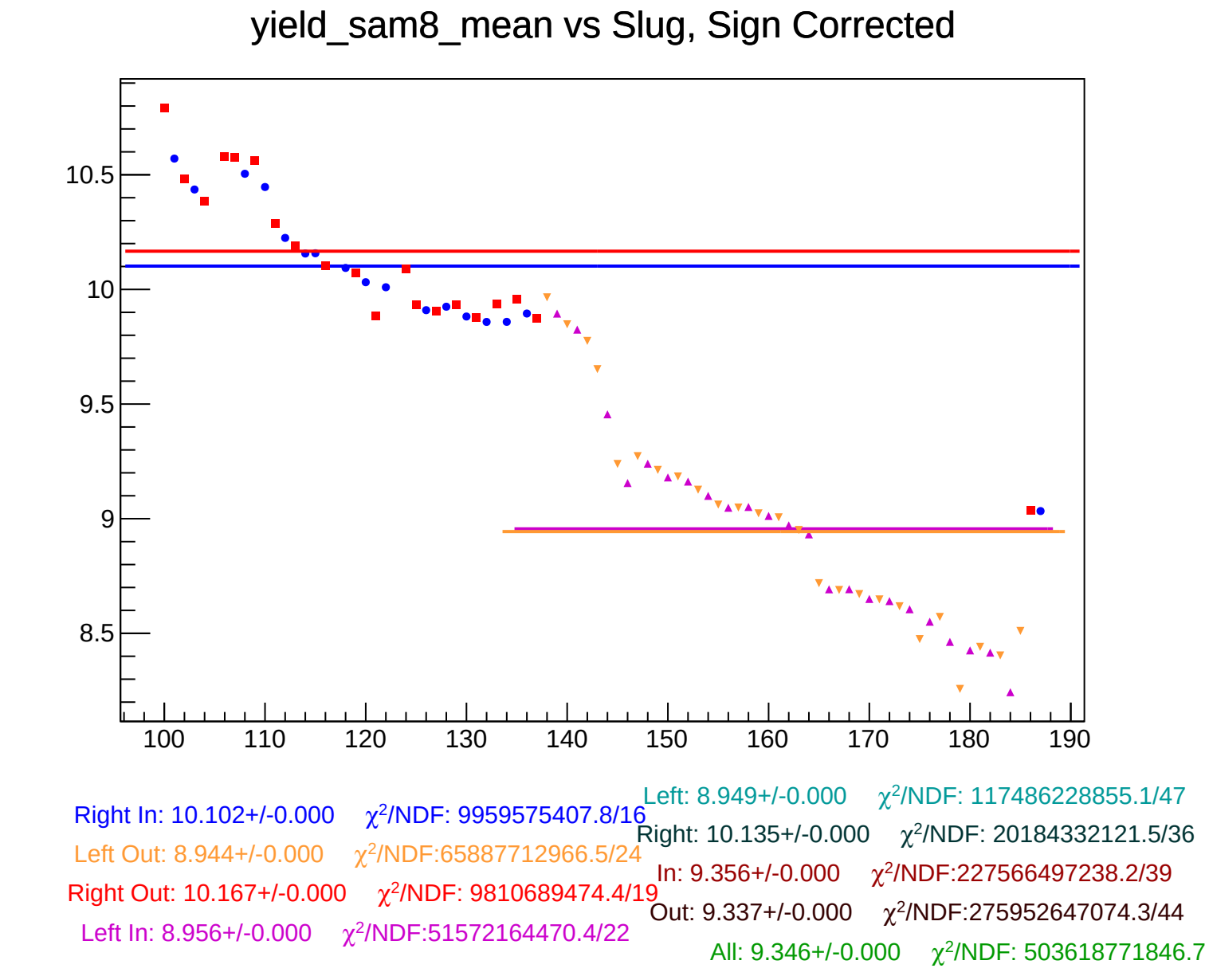
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.002+/-0.000 χ^2/NDF: 4797616.9/36

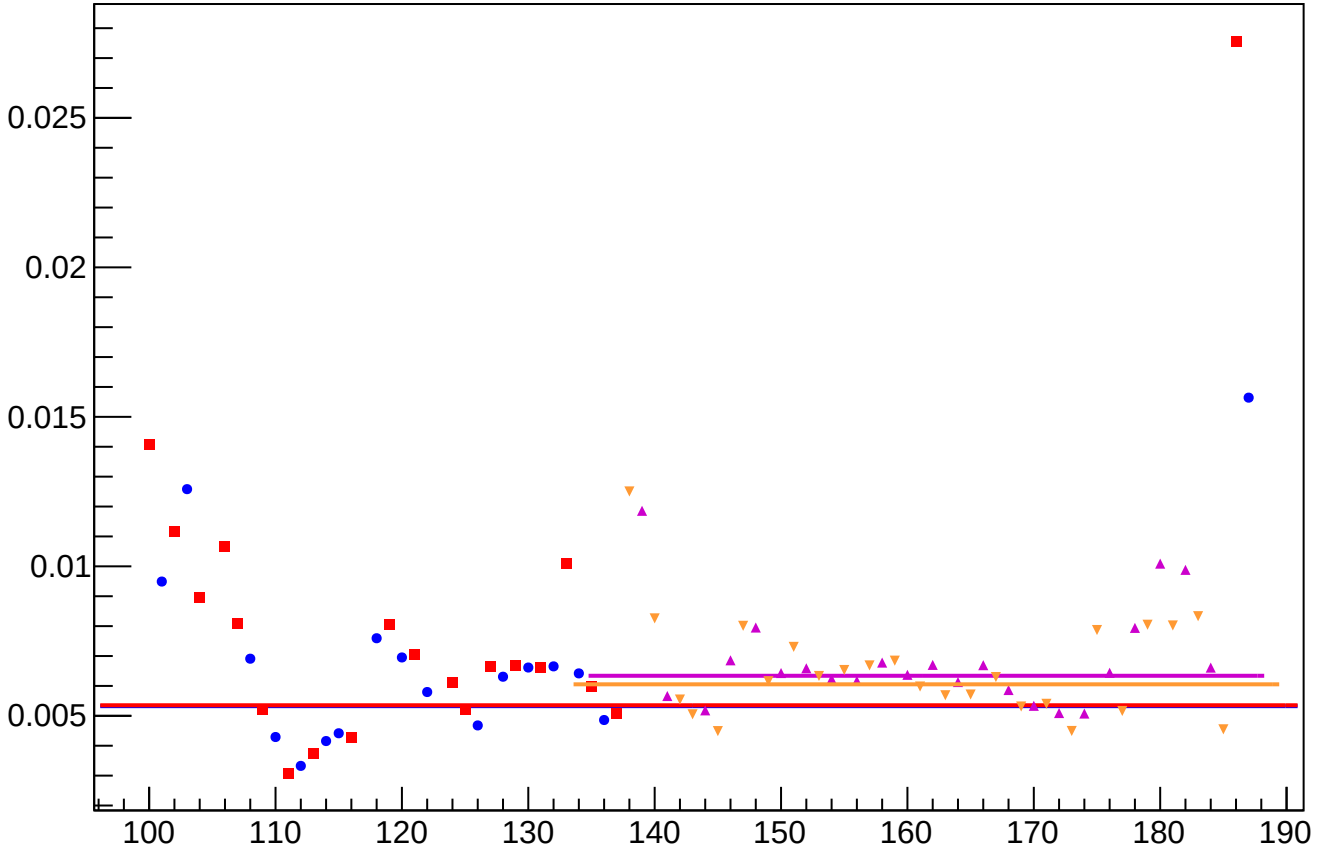
In: 0.002+/-0.000 χ^2/NDF:3485970.8/39

Out: 0.002+/-0.000 χ^2/NDF:4386991.3/44

All: 0.002+/-0.000 χ^2/NDF: 7873025.1/84


yield_sam8_mean vs Slug, Sign Corrected
10.5
10
9.5
9
8.5
100
110
120
130
140
150
160
170
180
190
Right In: 10.102+/-0.000 χ²/NDF: 9959575407.8/16
Left Out: 8.944+/-0.000 χ²/NDF:65887712966.5/24
Right Out: 10.167+/-0.000 χ²/NDF: 9810689474.4/19
Left In: 8.956+/-0.000 χ²/NDF:51572164470.4/22
Left: 8.949+/-0.000 χ²/NDF: 117486228855.1/47
Right: 10.135+/-0.000 χ²/NDF: 20184332121.5/36
In: 9.356+/-0.000 χ²/NDF:227566497238.2/39
Out: 9.337+/-0.000 χ²/NDF:275952647074.3/44
All: 9.346+/-0.000 χ²/NDF: 503618771846.7

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1429534.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2313188.7/19

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

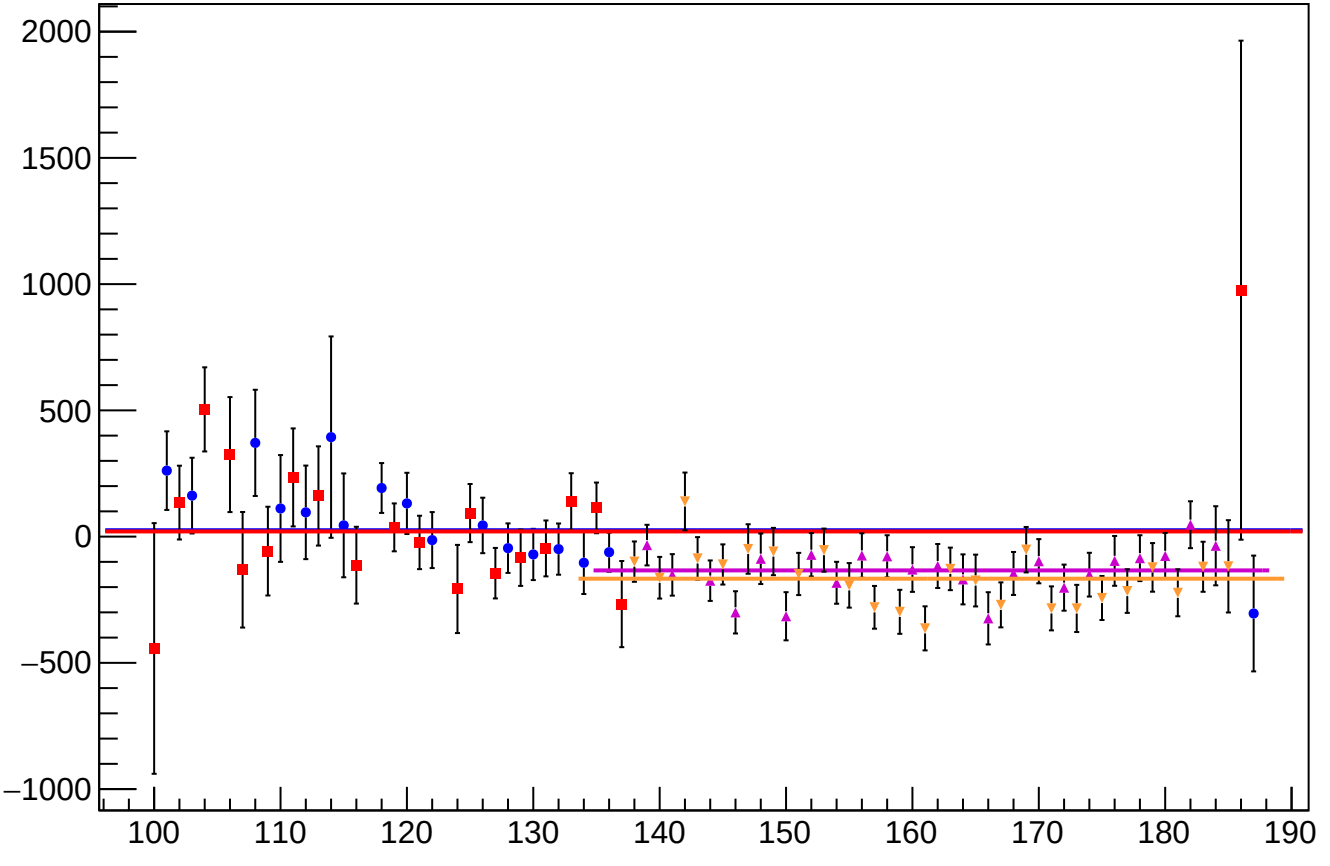
Right: 0.005+/-0.000 χ^2/NDF: 3742901.7/36

In: 0.006+/-0.000 χ^2/NDF:2865869.2/39

Out: 0.006+/-0.000 χ^2/NDF:3905536.4/44

All: 0.006+/-0.000 χ^2/NDF: 6785669.0/84

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 25.306+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 20.517+/-31.043 χ^2/NDF: 26.8/19

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

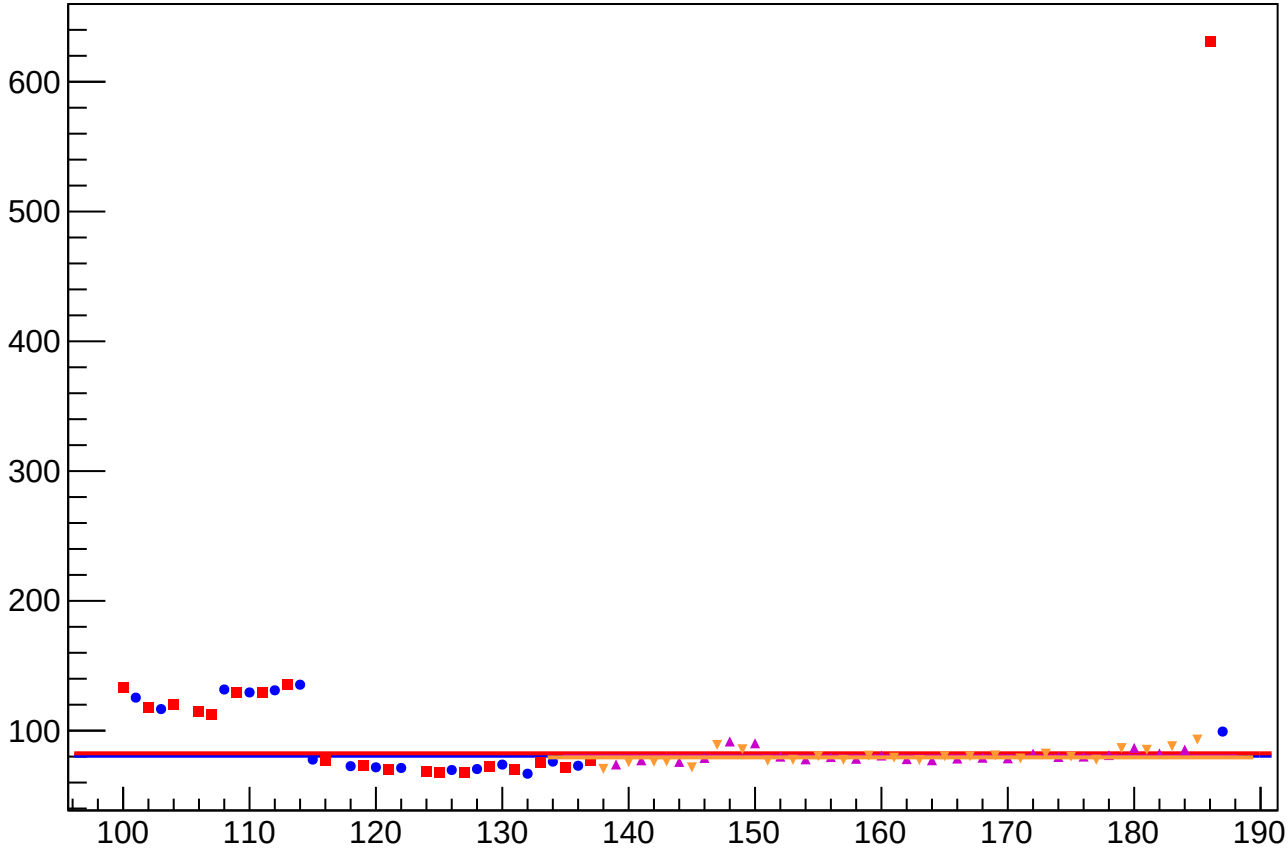
Right: 22.953+/-21.761 χ^2/NDF: 44.0/36

In: -90.200+/-15.978 χ^2/NDF:57.7/39

Out: -119.267+/-15.623 χ^2/NDF:85.6/44

All: -105.061+/-11.171 χ^2/NDF: 145.0/84

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.689+/-0.022 χ^2/NDF: 853442.1/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 82.535+/-0.022 χ^2/NDF: 1548961.2/19

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

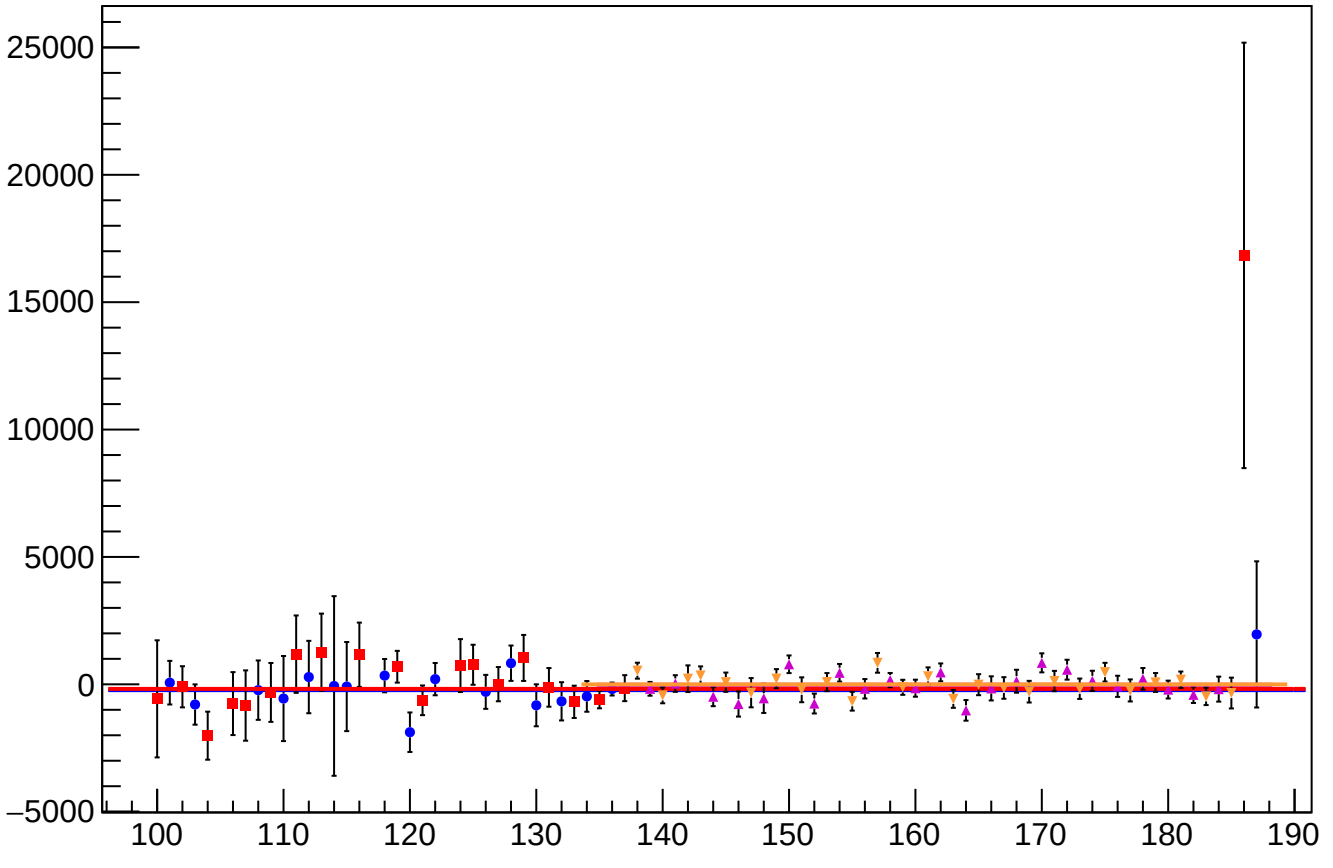
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 81.596+/-0.015 χ^2/NDF: 2405998.0/36

In: 80.305+/-0.011 χ^2/NDF:945348.2/39

Out: 80.202+/-0.011 χ^2/NDF:1698885.3/44

All: 80.252+/-0.008 χ^2/NDF: 2644276.4/84



Right In: -228.391+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -179.532+/-170.359 χ^2/NDF: 20.1/19

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

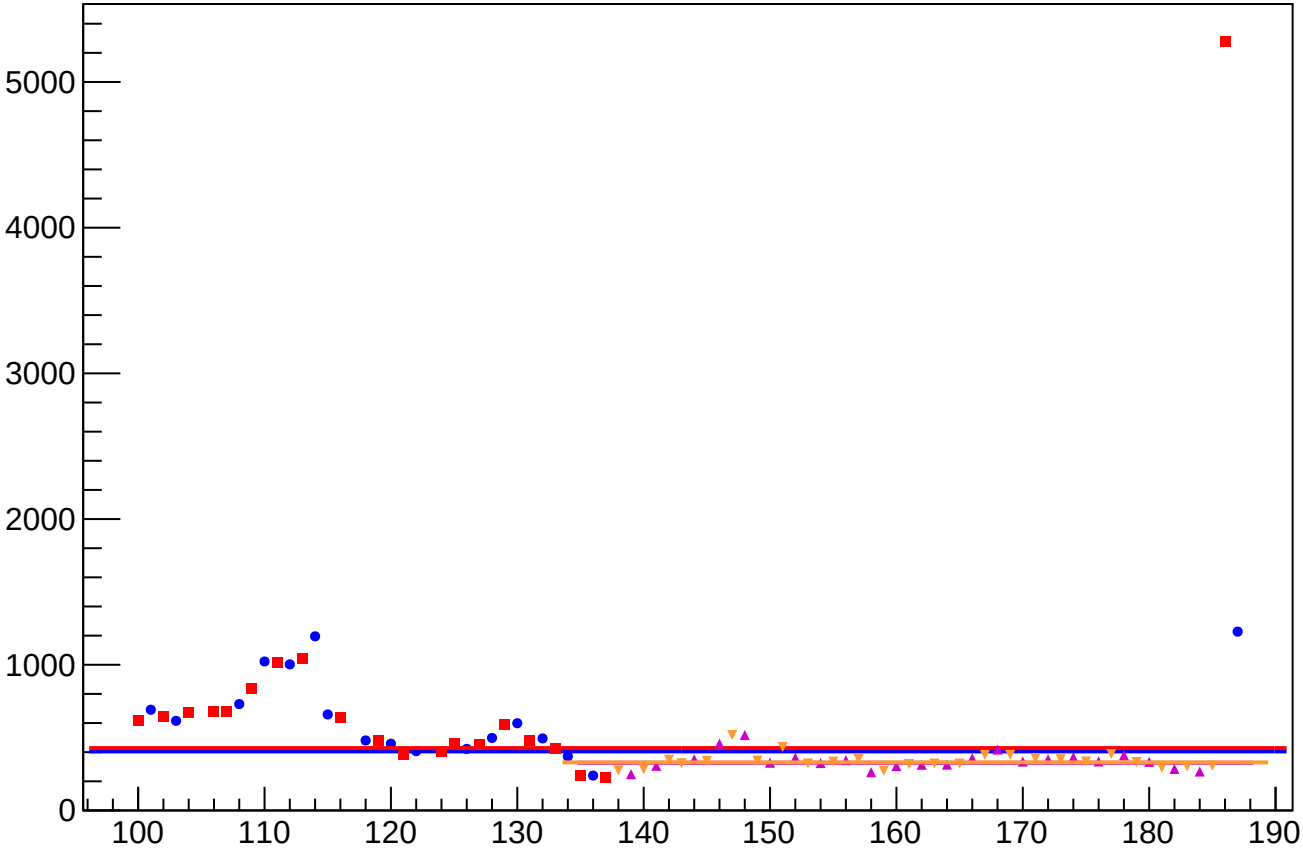
Right: -204.965+/-117.962 χ^2/NDF: 30.7/36

In: -57.692+/-70.061 χ^2/NDF:46.9/39

Out: -32.609+/-69.302 χ^2/NDF:45.0/44

All: -45.014+/-49.270 χ^2/NDF: 92.0/84

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 405.337+/-0.116 χ^2/NDF: 2524944.9/16

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 427.999+/-0.120 χ^2/NDF: 3043461.0/19

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

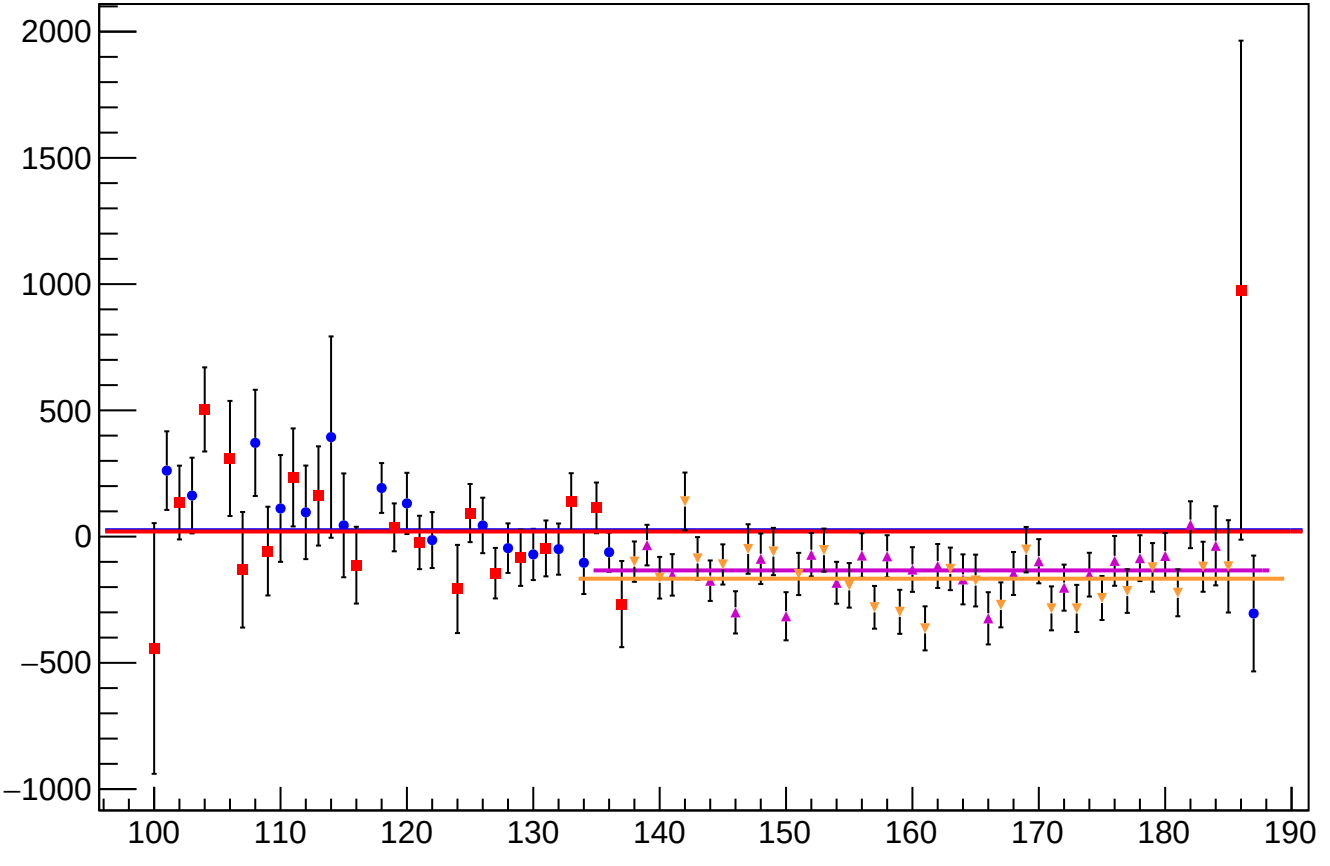
Right: 416.203+/-0.083 χ^2/NDF: 5586827.9/36

In: 341.354+/-0.050 χ^2/NDF:3799450.2/39

Out: 346.191+/-0.049 χ^2/NDF:4255369.0/44

All: 343.799+/-0.035 χ^2/NDF: 8059635.9/84

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 25.316+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 20.226+/-31.044 χ^2/NDF: 26.7/19

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

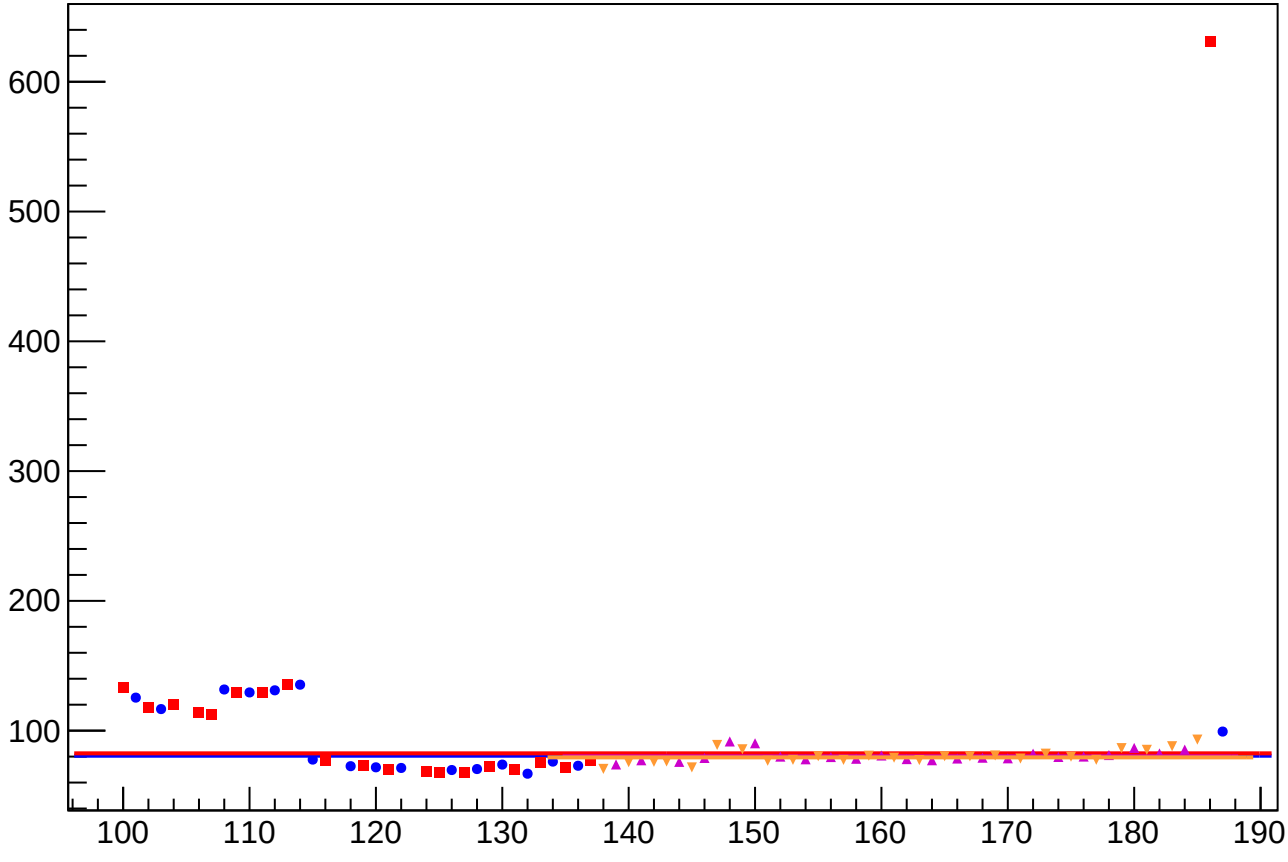
Right: 22.815+/-21.761 χ^2/NDF: 43.9/36

In: -90.202+/-15.978 χ^2/NDF:57.7/39

Out: -119.341+/-15.623 χ^2/NDF:85.4/44

All: -105.100+/-11.171 χ^2/NDF: 144.7/84

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.689+/-0.022 χ^2/NDF: 853442.2/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 82.520+/-0.022 χ^2/NDF: 1547123.7/19

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

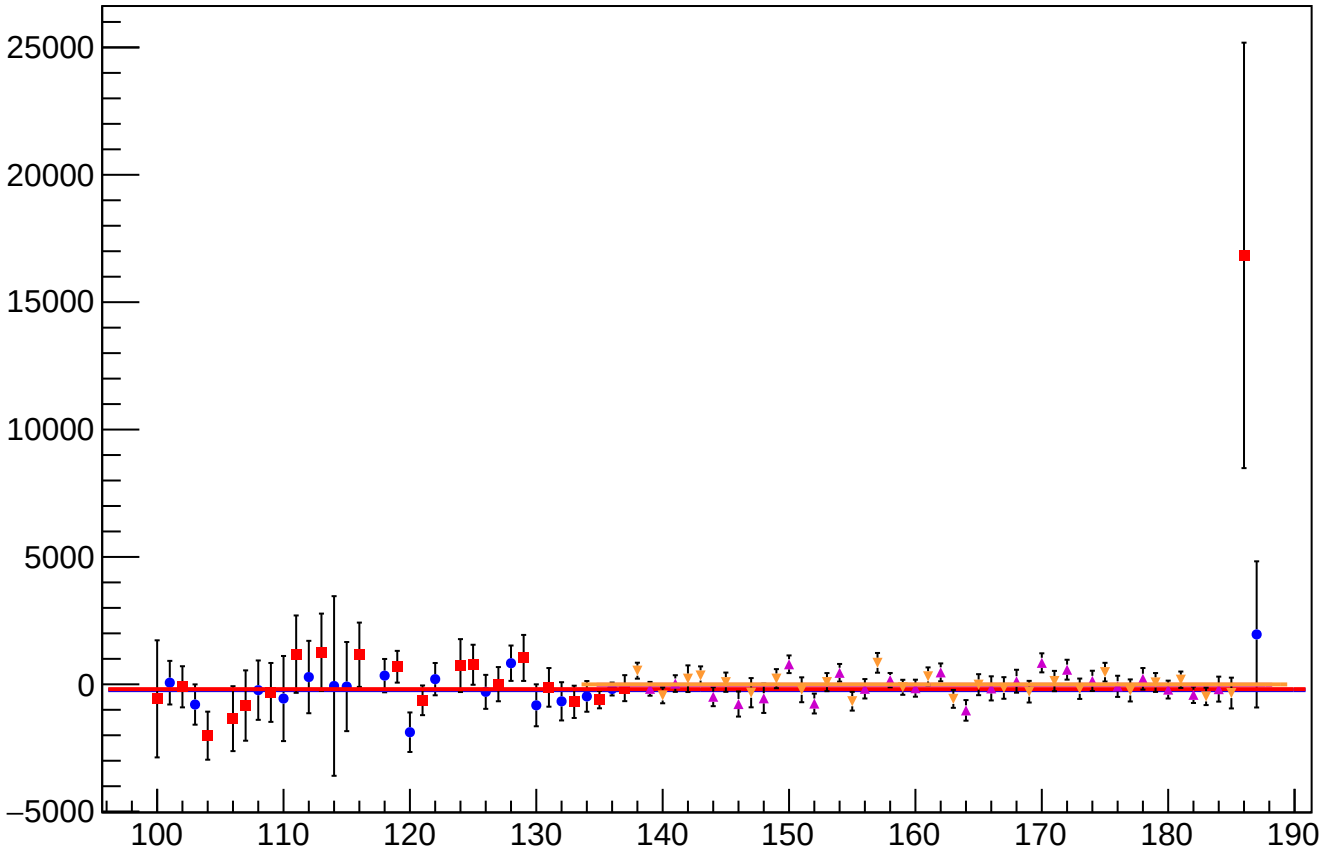
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.589+/-0.015 χ^2/NDF: 2404102.4/36

In: 80.305+/-0.011 χ^2/NDF:945348.3/39

Out: 80.198+/-0.011 χ^2/NDF:1696902.3/44

All: 80.250+/-0.008 χ^2/NDF: 2642296.9/84



Right In: -228.389+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -189.480+/-170.457 χ^2/NDF: 20.7/19

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

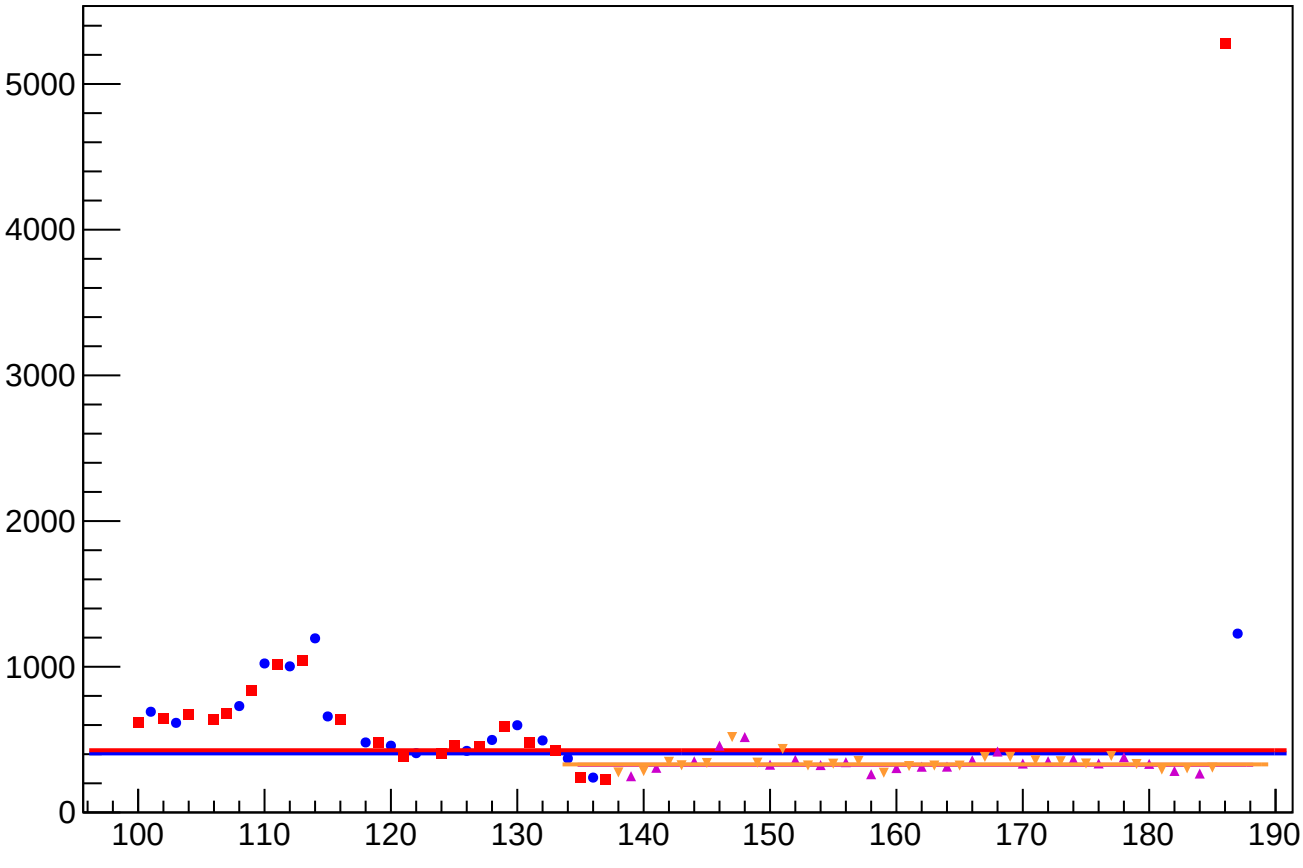
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -209.745+/-117.994 χ^2/NDF: 31.3/36

In: -57.697+/-70.061 χ^2/NDF:46.9/39

Out: -34.226+/-69.309 χ^2/NDF:45.8/44

All: -45.835+/-49.272 χ^2/NDF: 92.7/84



Right In: 405.338+/-0.116 χ^2/NDF: 2524939.7/16

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.010+/-0.121 χ^2/NDF: 3015971.4/19

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

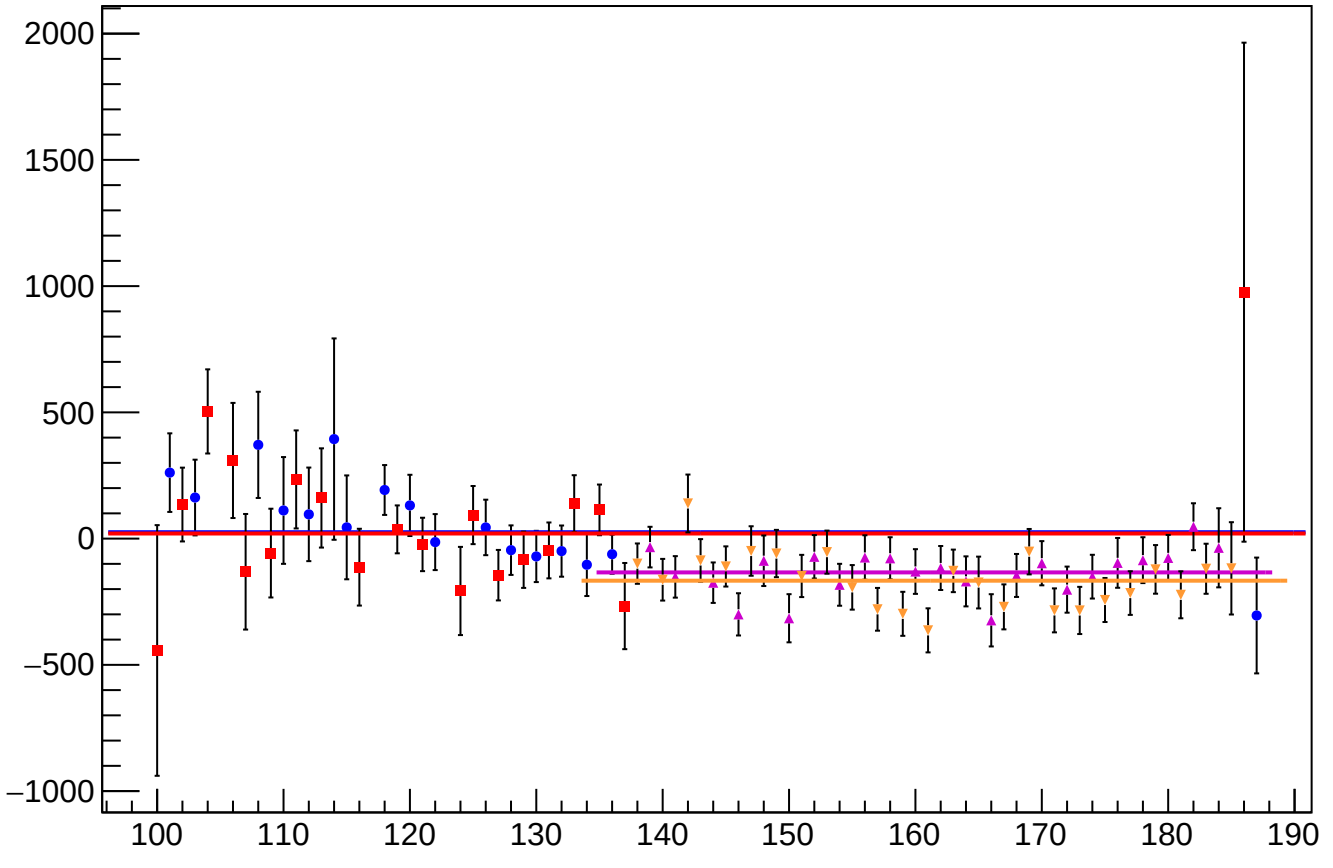
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 415.722+/-0.083 χ^2/NDF: 5557749.3/36

In: 341.354+/-0.050 χ^2/NDF:3799450.3/39

Out: 346.011+/-0.049 χ^2/NDF:4216272.1/44

All: 343.708+/-0.035 χ^2/NDF: 8020188.5/84



Right In: 25.316+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 20.226+/-31.044 χ^2/NDF: 26.7/19

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

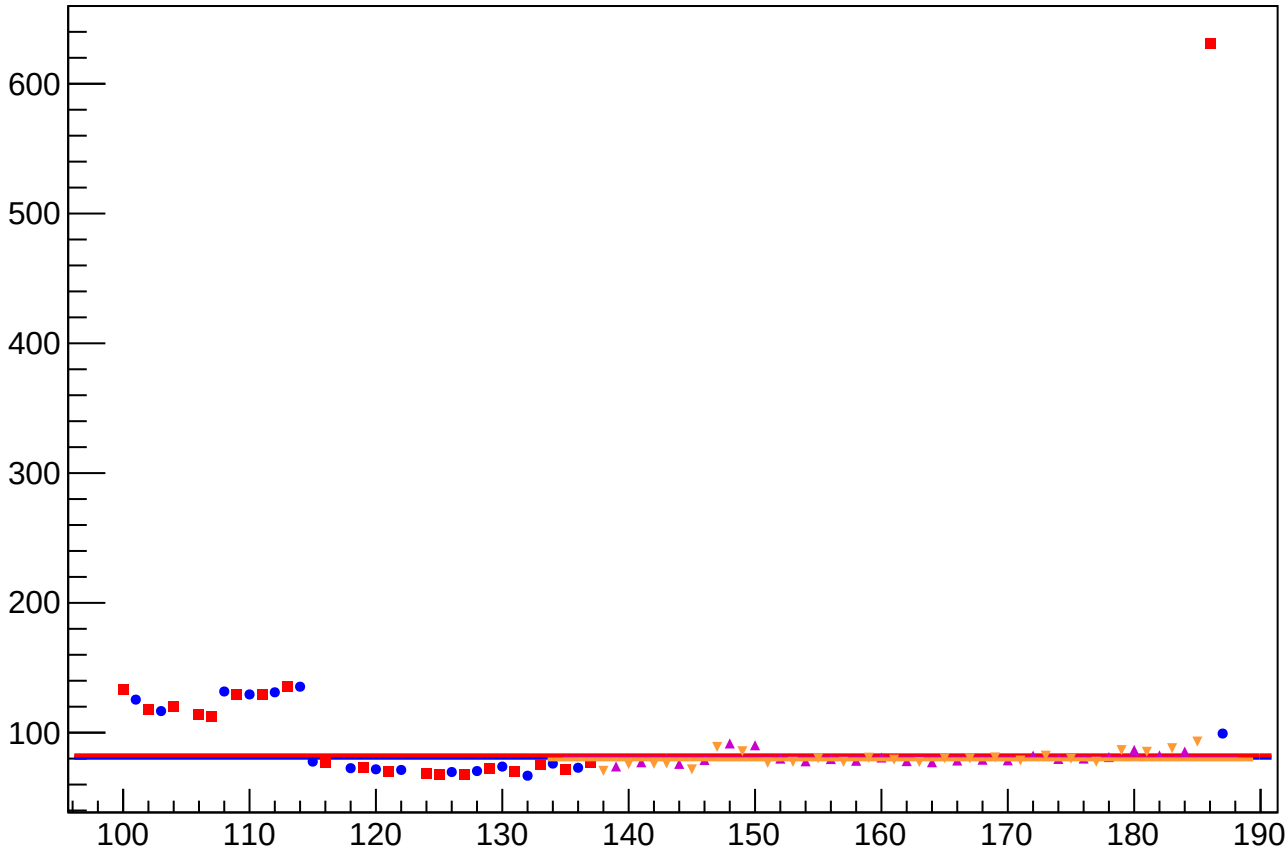
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: 22.815+/-21.761 χ^2/NDF: 43.9/36

In: -90.202+/-15.978 χ^2/NDF:57.7/39

Out: -119.341+/-15.623 χ^2/NDF:85.4/44

All: -105.100+/-11.171 χ^2/NDF: 144.7/84



Right In: 80.689+/-0.022 χ^2/NDF: 853442.2/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 82.520+/-0.022 χ^2/NDF: 1547123.7/19

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

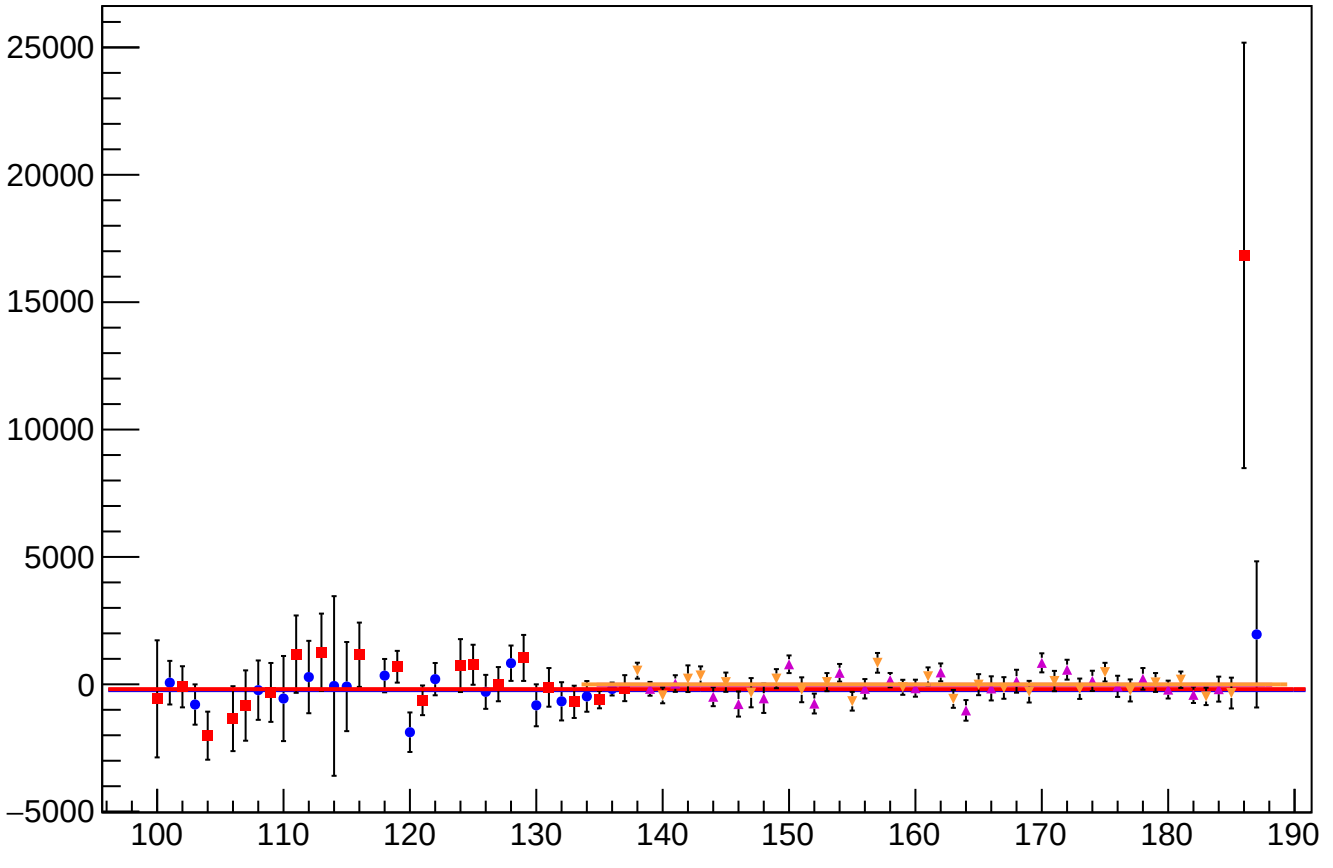
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.589+/-0.015 χ^2/NDF: 2404102.4/36

In: 80.305+/-0.011 χ^2/NDF:945348.3/39

Out: 80.198+/-0.011 χ^2/NDF:1696902.3/44

All: 80.250+/-0.008 χ^2/NDF: 2642296.9/84



Right In: -228.389+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -189.480+/-170.457 χ^2/NDF: 20.7/19

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

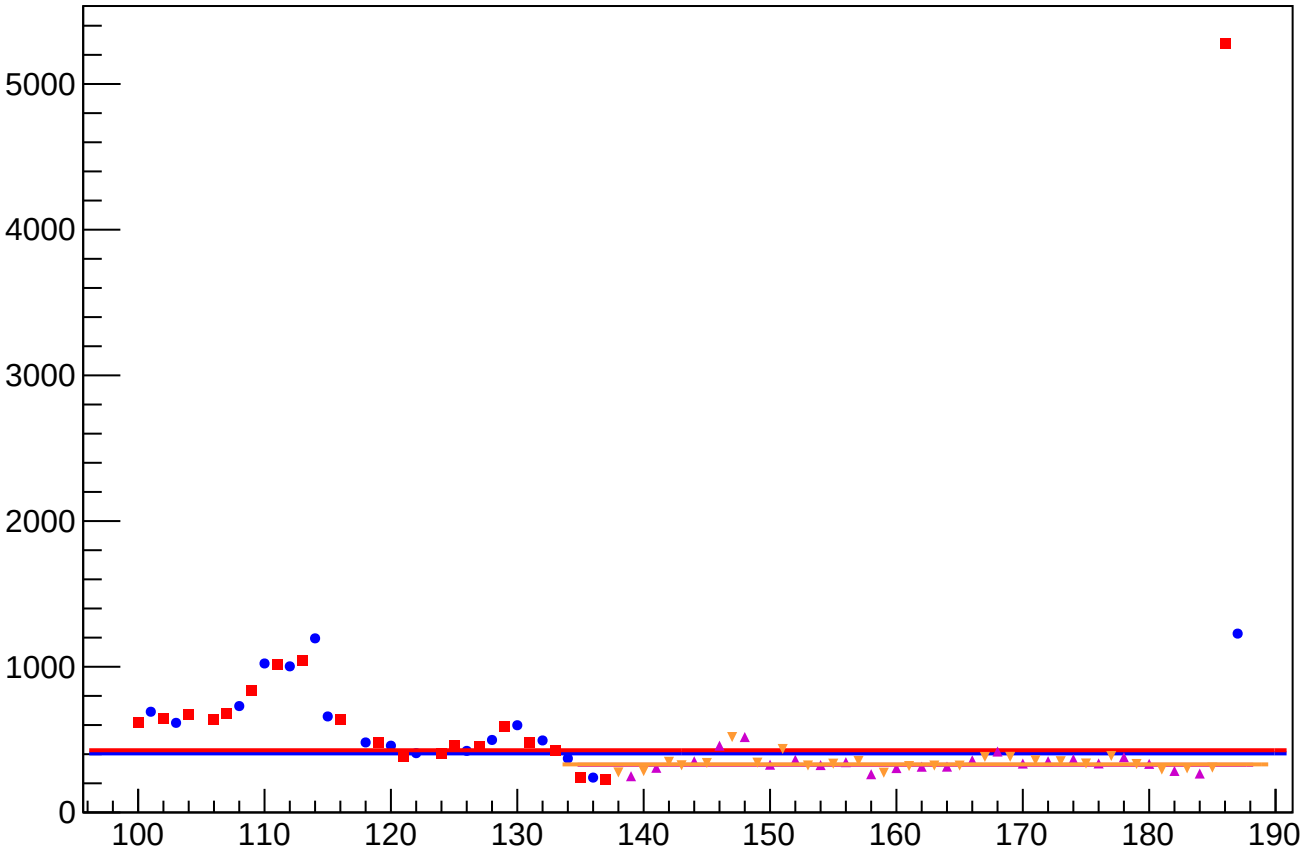
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -209.745+/-117.994 χ^2/NDF: 31.3/36

In: -57.697+/-70.061 χ^2/NDF:46.9/39

Out: -34.226+/-69.309 χ^2/NDF:45.8/44

All: -45.835+/-49.272 χ^2/NDF: 92.7/84



Right In: 405.338+/-0.116 χ^2/NDF: 2524939.7/16

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.010+/-0.121 χ^2/NDF: 3015971.4/19

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

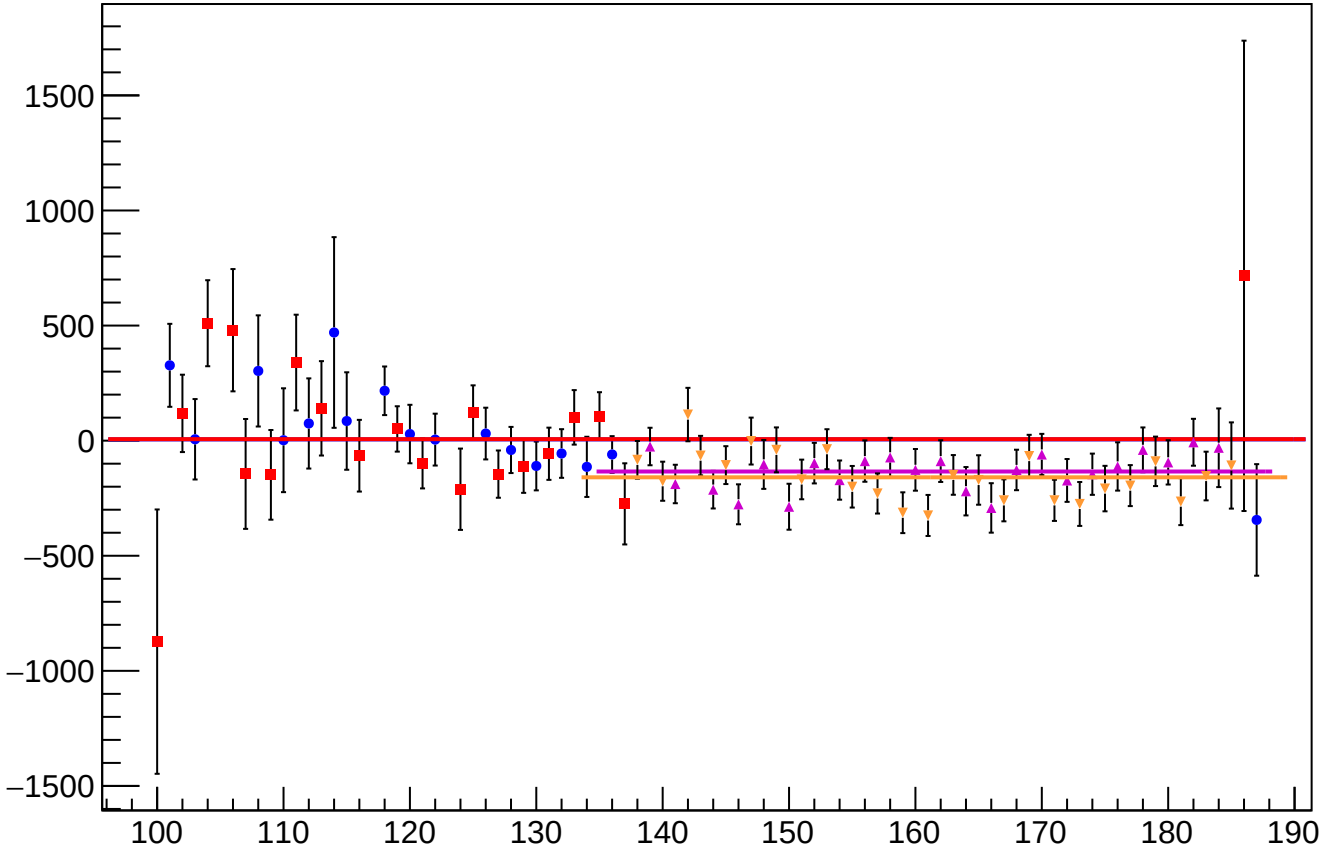
Right: 415.722+/-0.083 χ^2/NDF: 5557749.3/36

In: 341.354+/-0.050 χ^2/NDF:3799450.3/39

Out: 346.011+/-0.049 χ^2/NDF:4216272.1/44

All: 343.708+/-0.035 χ^2/NDF: 8020188.5/84

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 5.437+/-32.014 χ^2/NDF: 15.6/16

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 6.533+/-32.427 χ^2/NDF: 29.3/19

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

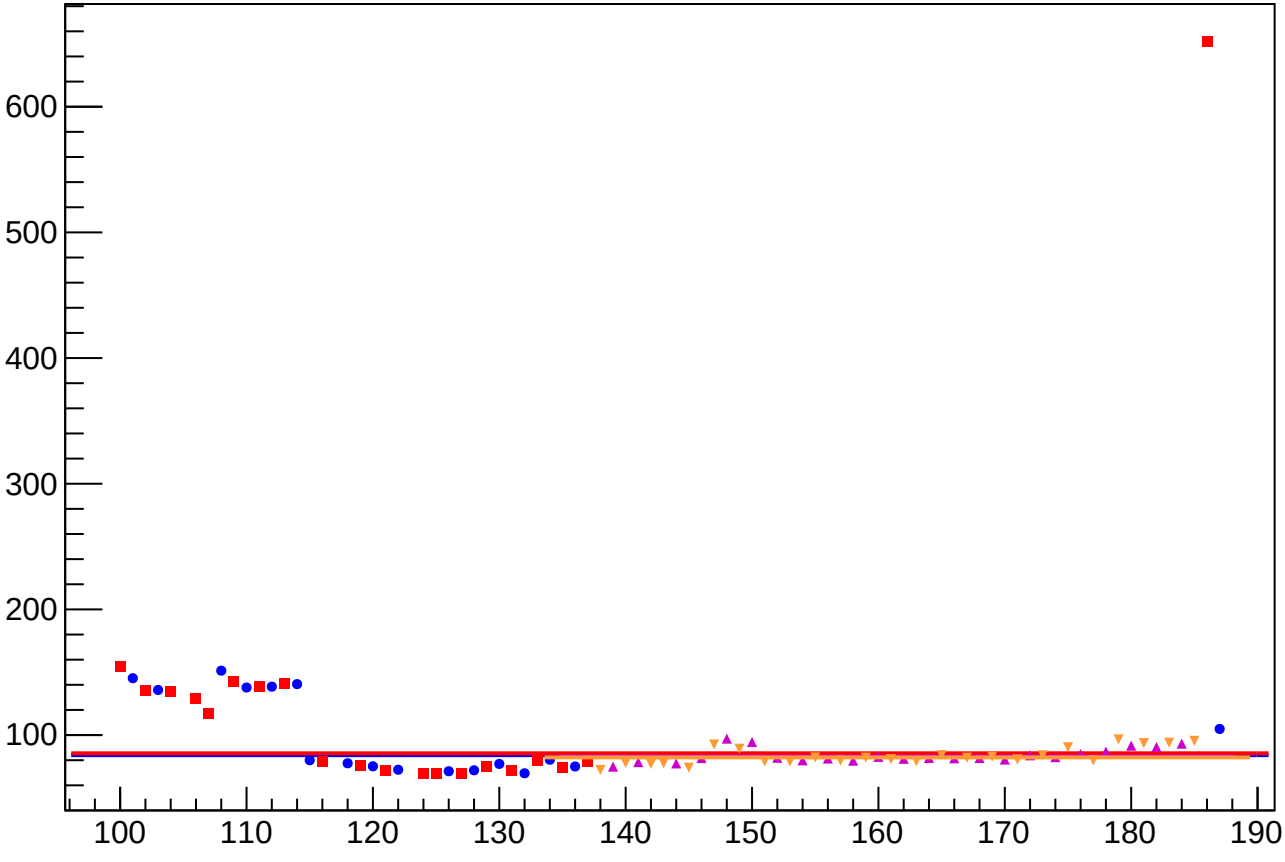
Right: 5.978+/-22.782 χ^2/NDF: 44.9/36

In: -96.441+/-16.617 χ^2/NDF:45.9/39

Out: -117.693+/-16.231 χ^2/NDF:77.0/44

All: -107.316+/-11.611 χ^2/NDF: 123.8/84

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.027+/-0.023 χ^2/NDF: 1049841.0/16

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 85.484+/-0.023 χ^2/NDF: 1736856.3/19

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

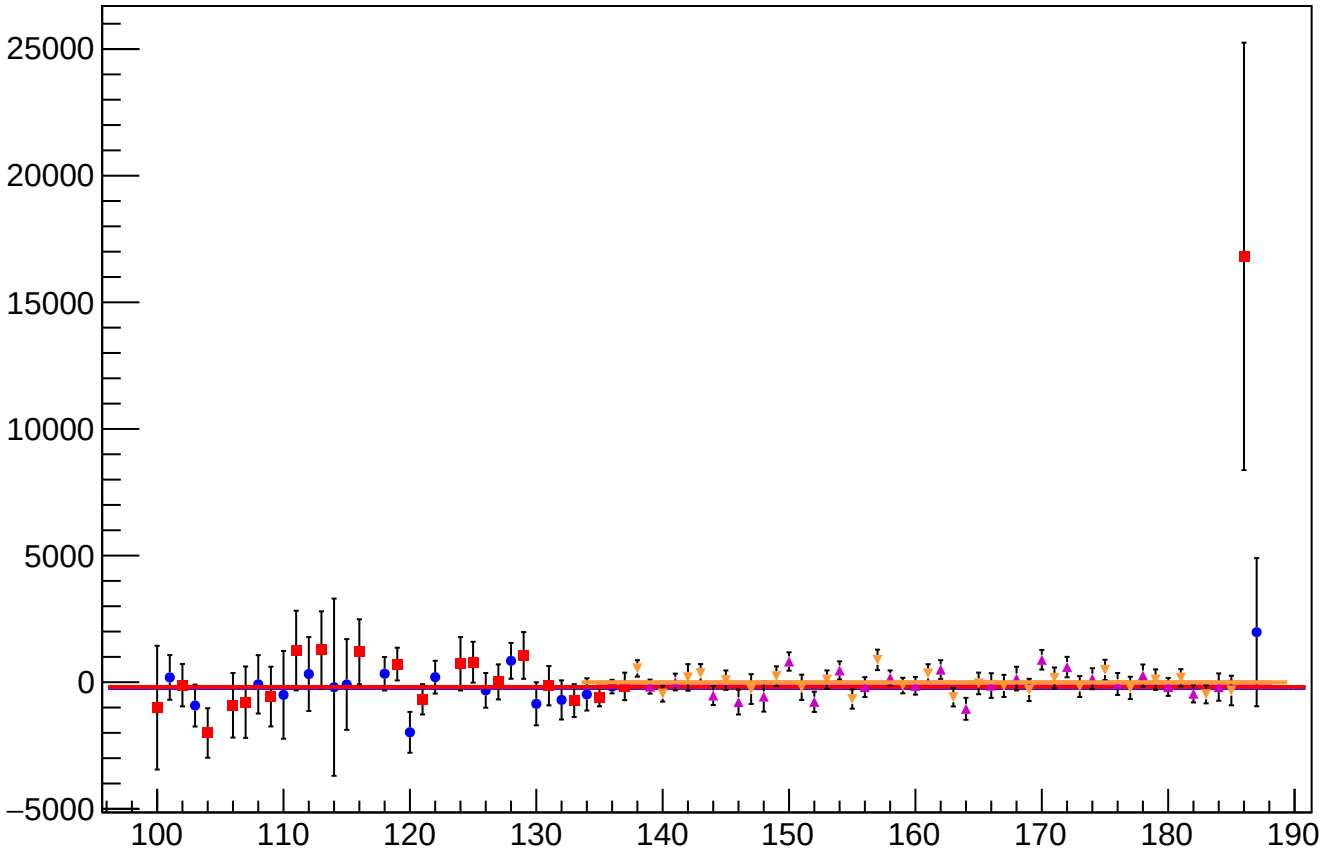
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 84.746+/-0.016 χ^2/NDF: 2788741.8/36

In: 83.272+/-0.012 χ^2/NDF:1196974.1/39

Out: 83.058+/-0.011 χ^2/NDF:1968339.2/44

All: 83.162+/-0.008 χ^2/NDF: 3165482.1/84



Right In: -223.972+/-169.846 χ^2/NDF: 11.0/16

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -189.801+/-176.053 χ^2/NDF: 20.0/19

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

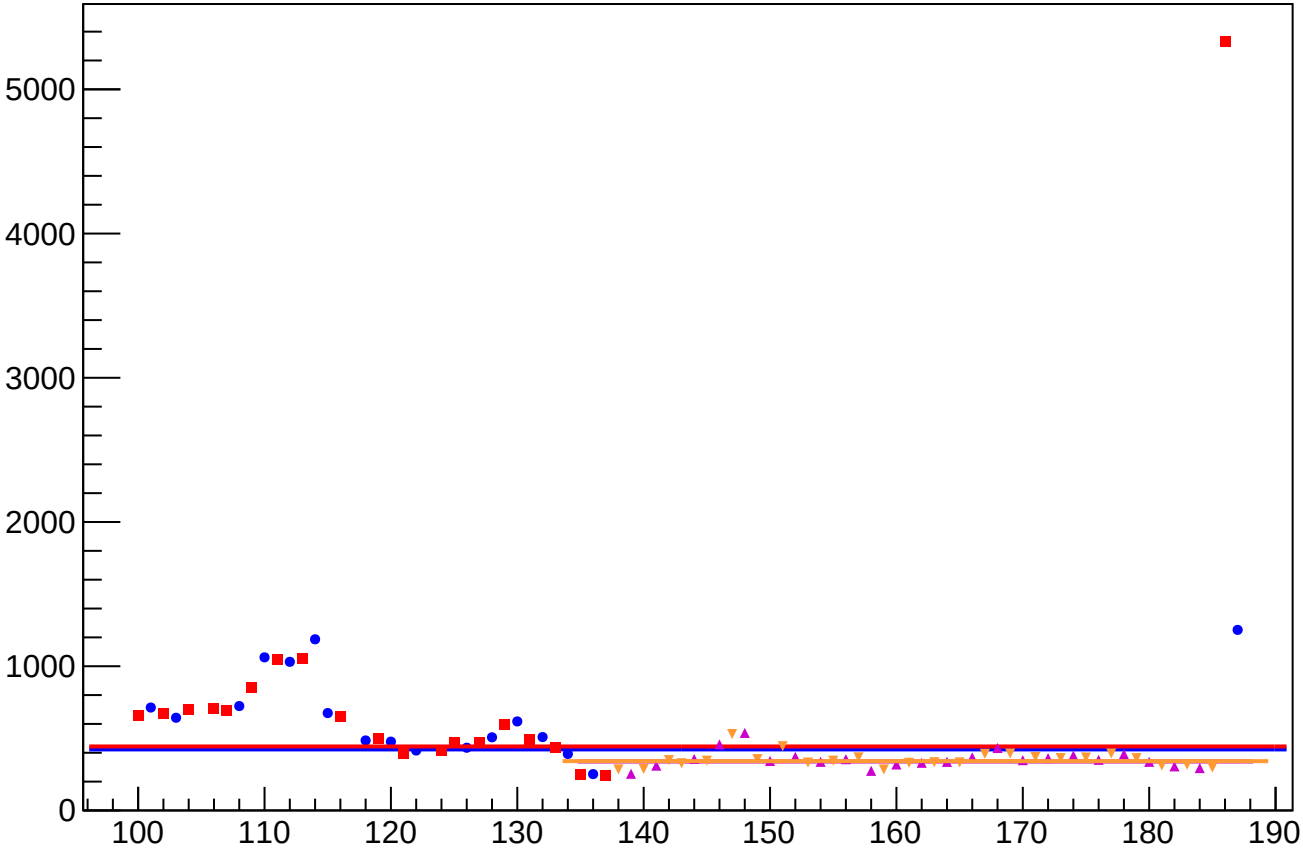
Right: -207.499+/-122.235 χ^2/NDF: 30.9/36

In: -54.503+/-72.676 χ^2/NDF:47.1/39

Out: -34.113+/-71.758 χ^2/NDF:44.4/44

All: -44.178+/-51.062 χ^2/NDF: 91.5/84

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 423.131+/-0.120 χ^2/NDF: 2415635.6/16

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 443.726+/-0.124 χ^2/NDF: 2978790.7/19

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

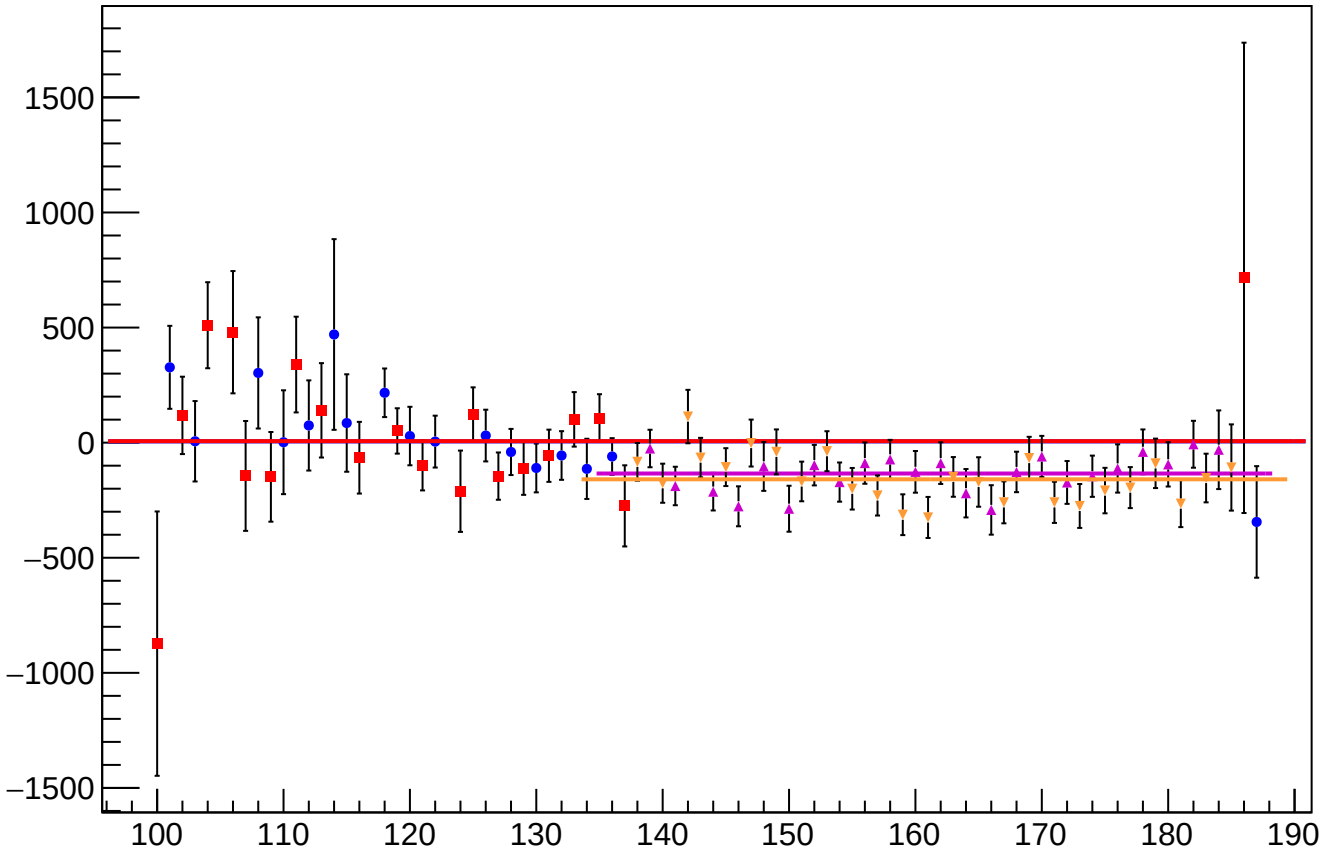
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 433.059+/-0.086 χ^2/NDF: 5408601.7/36

In: 354.755+/-0.051 χ^2/NDF:3659129.6/39

Out: 358.831+/-0.051 χ^2/NDF:4190430.3/44

All: 356.819+/-0.036 χ^2/NDF: 7852745.8/84



Right In: 5.438+/-32.014 χ^2/NDF: 15.6/16

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 6.532+/-32.427 χ^2/NDF: 29.3/19

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

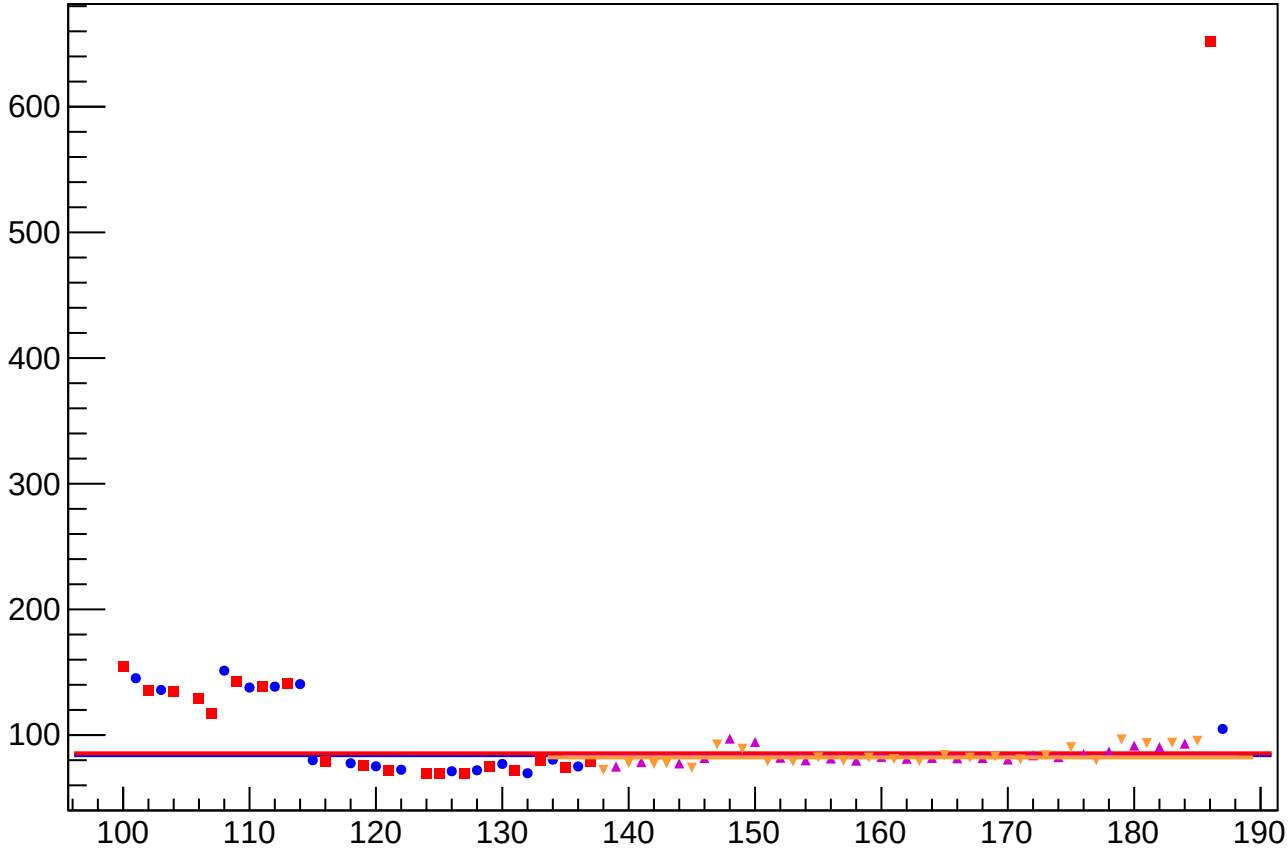
Right: 5.978+/-22.782 χ^2/NDF: 44.9/36

In: -96.441+/-16.617 χ^2/NDF:45.9/39

Out: -117.693+/-16.231 χ^2/NDF:77.0/44

All: -107.316+/-11.611 χ^2/NDF: 123.8/84

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.027+/-0.023 χ^2/NDF: 1049840.4/16

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 85.484+/-0.023 χ^2/NDF: 1736855.4/19

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

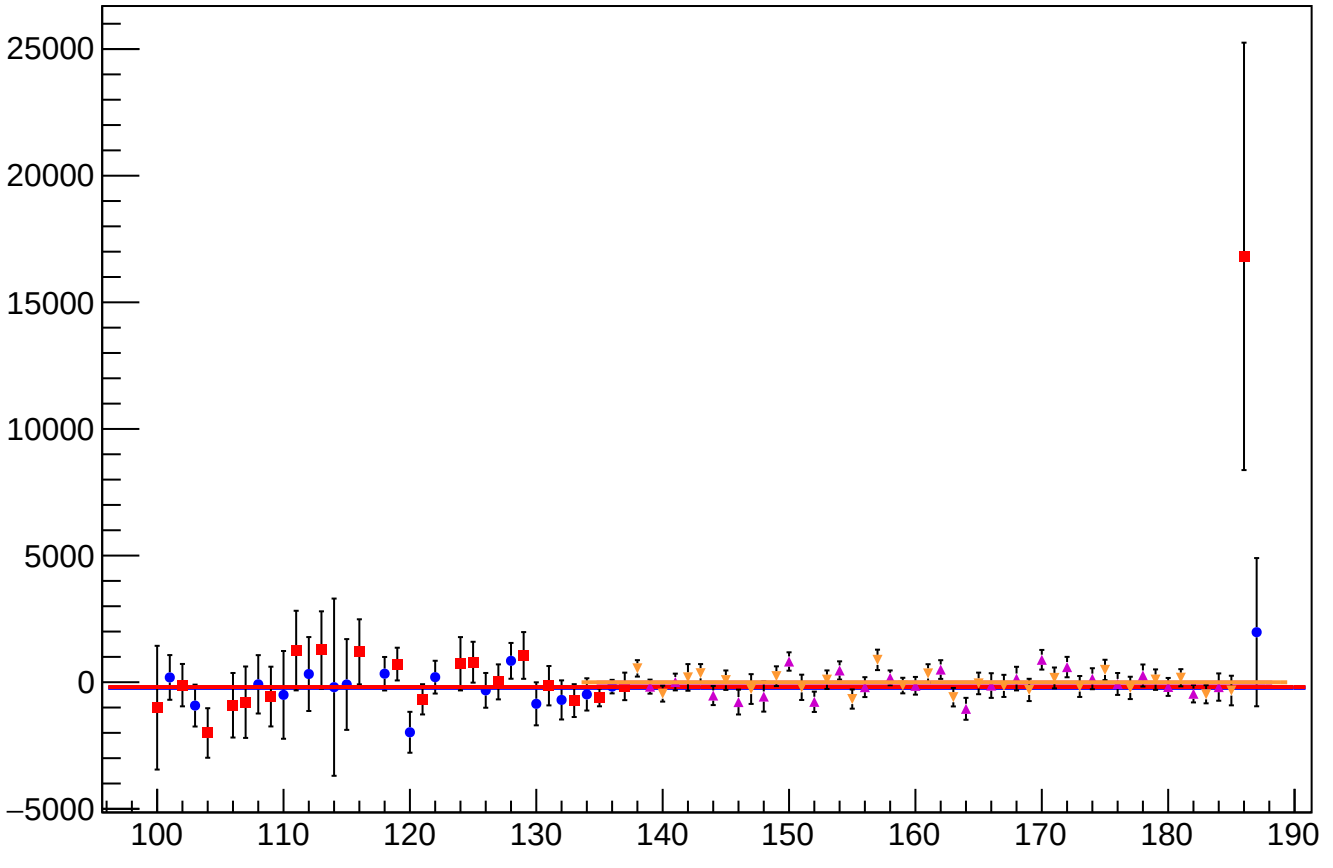
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 84.746+/-0.016 χ^2/NDF: 2788740.3/36

In: 83.272+/-0.012 χ^2/NDF:1196971.9/39

Out: 83.058+/-0.011 χ^2/NDF:1968338.1/44

All: 83.162+/-0.008 χ^2/NDF: 3165478.8/84



Right In: -223.970+/-169.846 χ^2/NDF: 11.0/16

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -189.801+/-176.052 χ^2/NDF: 20.0/19

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

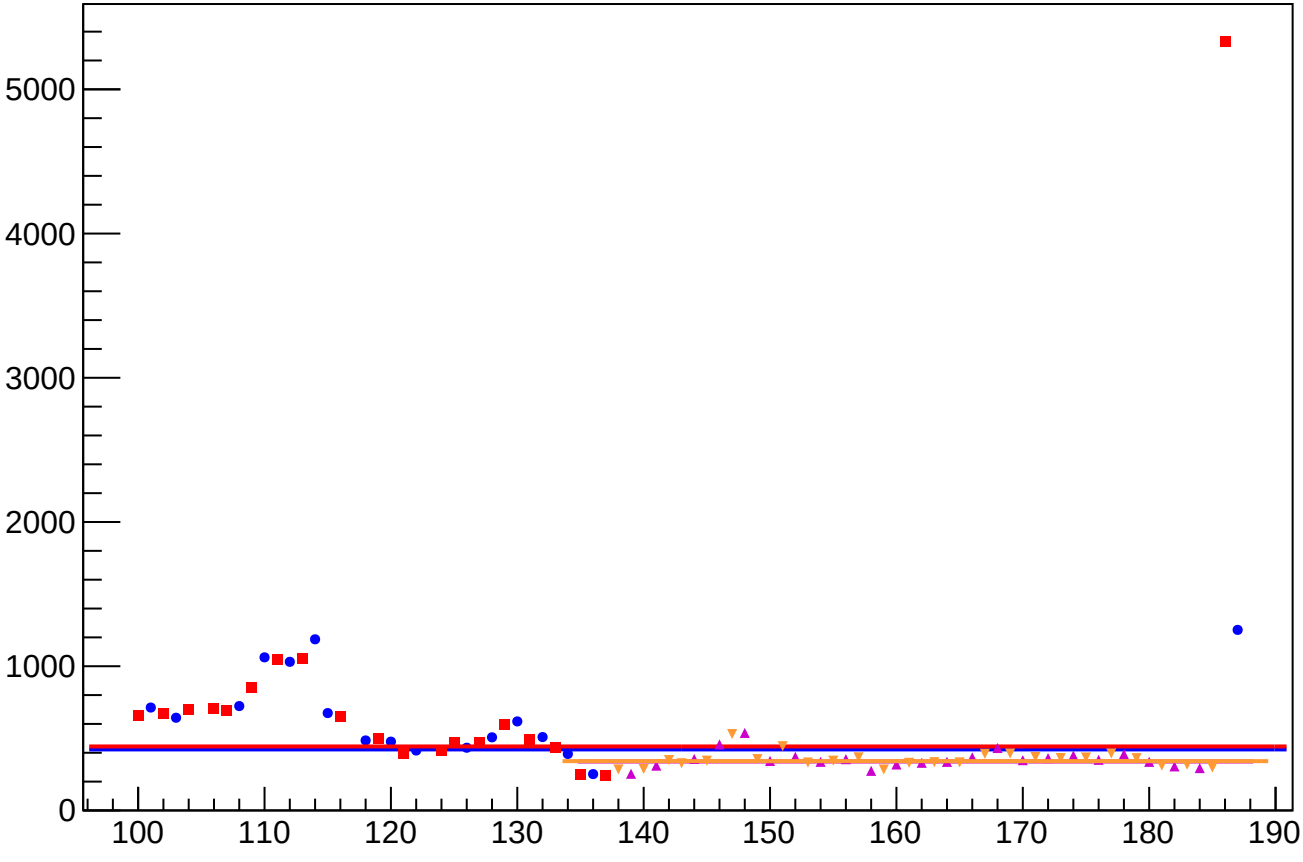
Right: -207.499+/-122.234 χ^2/NDF: 30.9/36

In: -54.502+/-72.676 χ^2/NDF:47.1/39

Out: -34.112+/-71.758 χ^2/NDF:44.4/44

All: -44.178+/-51.062 χ^2/NDF: 91.5/84

asym_sam1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 423.131+/-0.120 χ^2/NDF: 2415640.6/16

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 443.725+/-0.124 χ^2/NDF: 2978797.5/19

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

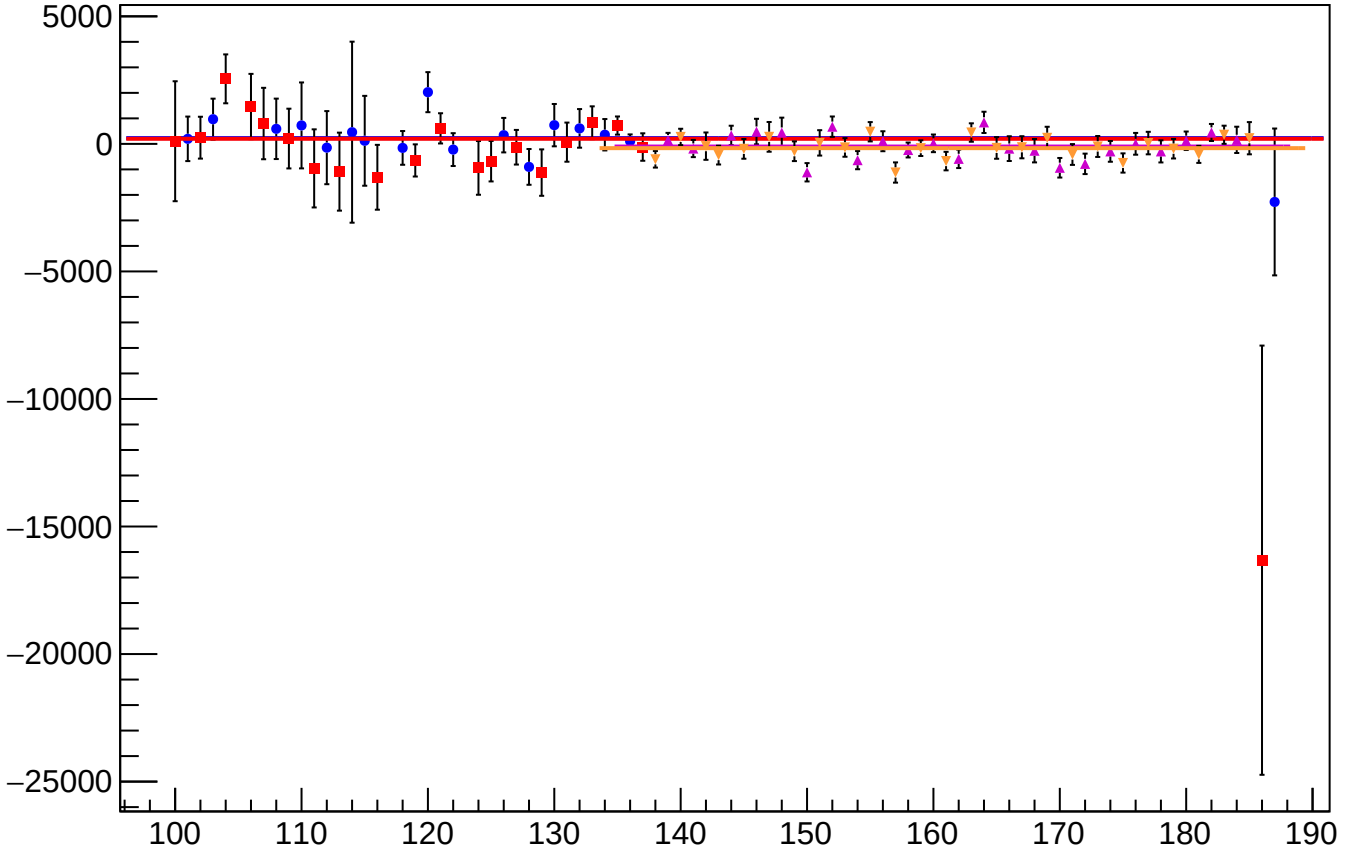
Right: 433.058+/-0.086 χ^2/NDF: 5408613.3/36

In: 354.755+/-0.051 χ^2/NDF:3659133.2/39

Out: 358.831+/-0.051 χ^2/NDF:4190432.2/44

All: 356.819+/-0.036 χ^2/NDF: 7852751.4/84

asym_sam1_mean vs Slug, Sign Corrected



Right In: 226.507+/-167.912 χ^2/NDF: 11.5/16

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 200.811+/-174.678 χ^2/NDF: 24.2/19

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

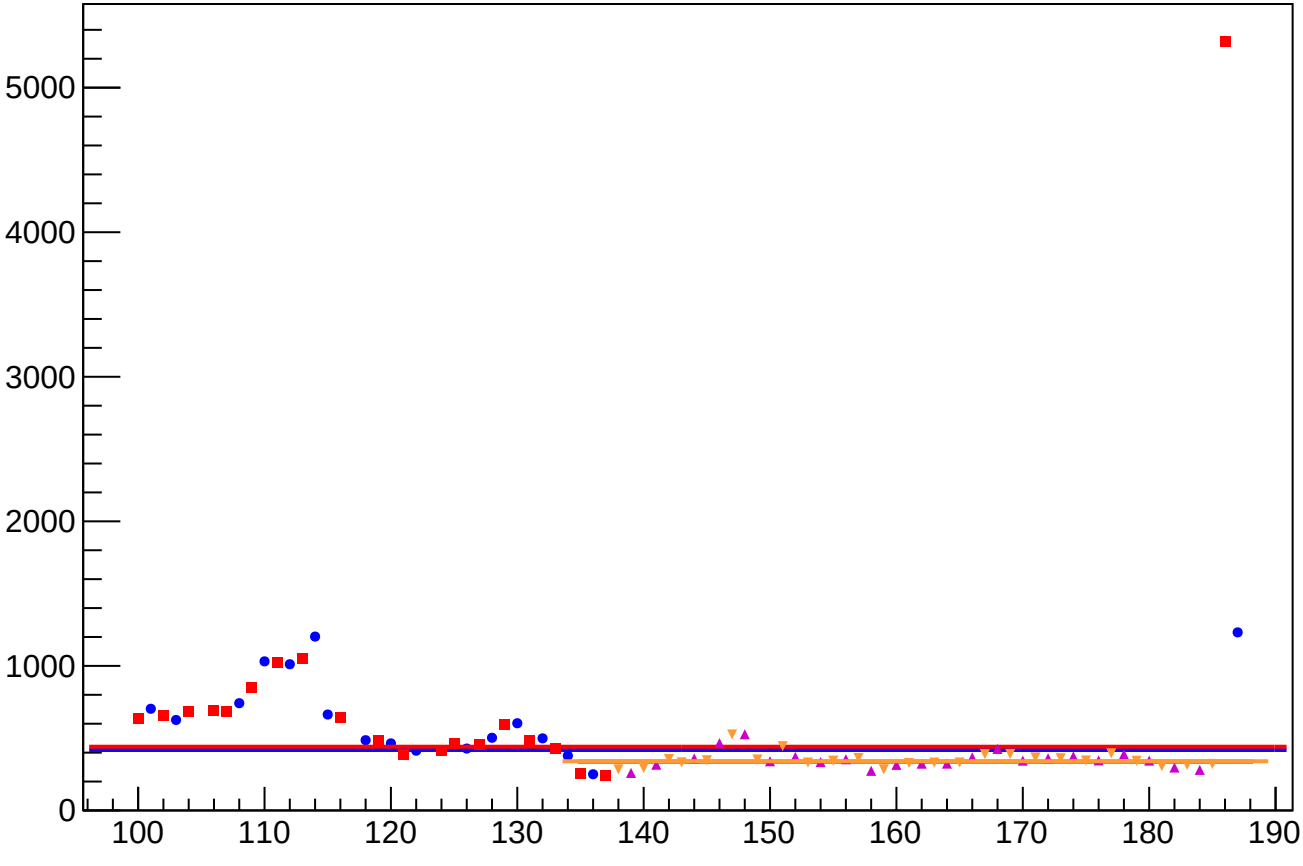
Right: 214.166+/-121.053 χ^2/NDF: 35.7/36

In: -42.875+/-72.218 χ^2/NDF:52.1/39

Out: -105.935+/-71.358 χ^2/NDF:53.5/44

All: -74.783+/-50.759 χ^2/NDF: 106.0/84

asym_sam1_rms vs Slug, Sign Corrected



Right In: 418.617+/-0.119 χ^2/NDF: 2384158.9/16

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 440.876+/-0.124 χ^2/NDF: 2907317.6/19

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

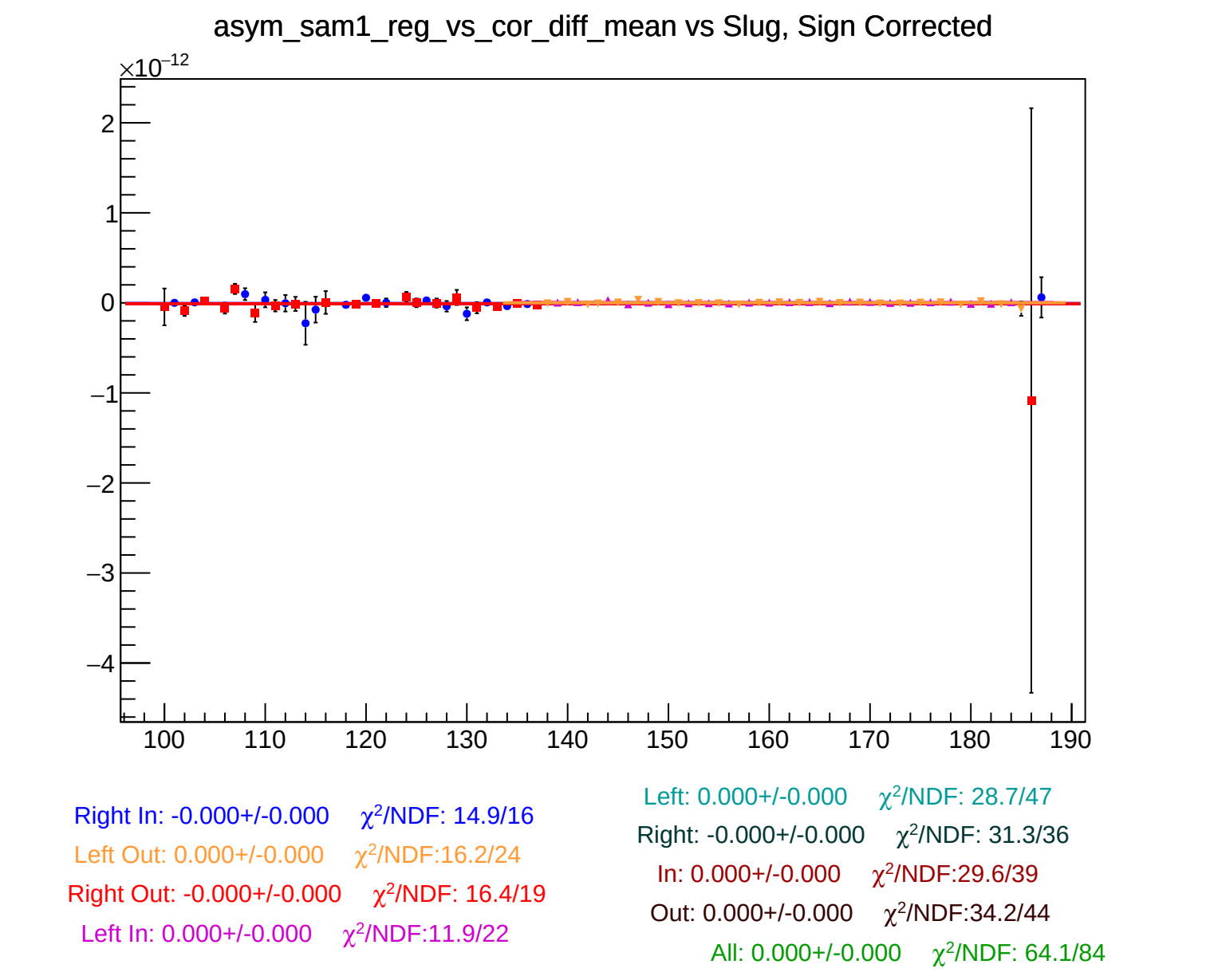
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

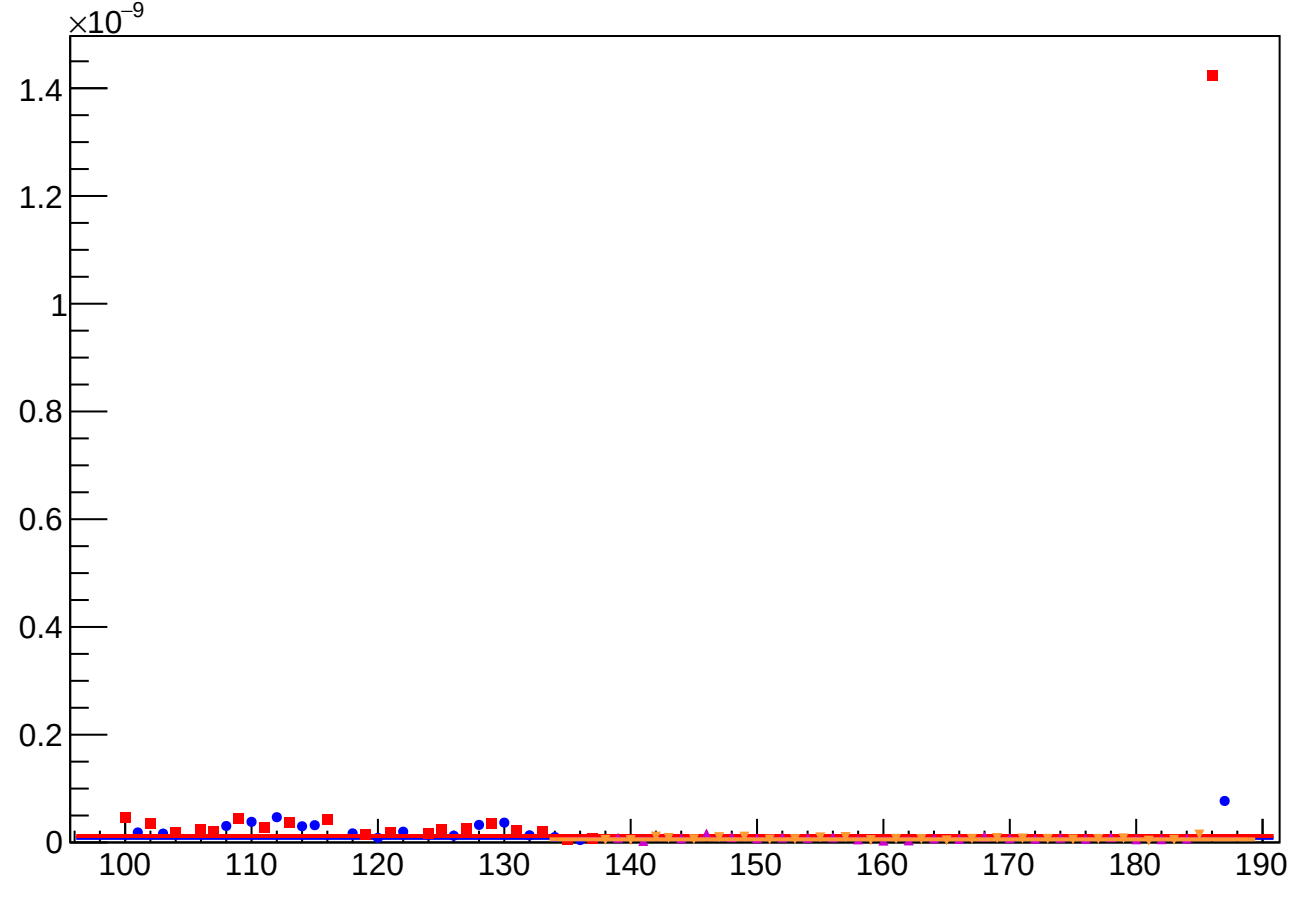
Right: 429.307+/-0.086 χ^2/NDF: 5308357.0/36

In: 352.716+/-0.051 χ^2/NDF:3582819.7/39

Out: 357.160+/-0.050 χ^2/NDF:4062871.0/44

All: 354.965+/-0.036 χ^2/NDF: 7649523.2/84


asym_sam1_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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.9/16
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/19
Left In: 0.000+/-0.000 χ²/NDF:11.9/22
Left: 0.000+/-0.000 χ²/NDF: 28.7/47
Right: -0.000+/-0.000 χ²/NDF: 31.3/36
In: 0.000+/-0.000 χ²/NDF:29.6/39
Out: 0.000+/-0.000 χ²/NDF:34.2/44
All: 0.000+/-0.000 χ²/NDF: 64.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 2943133.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3138257.0/19

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

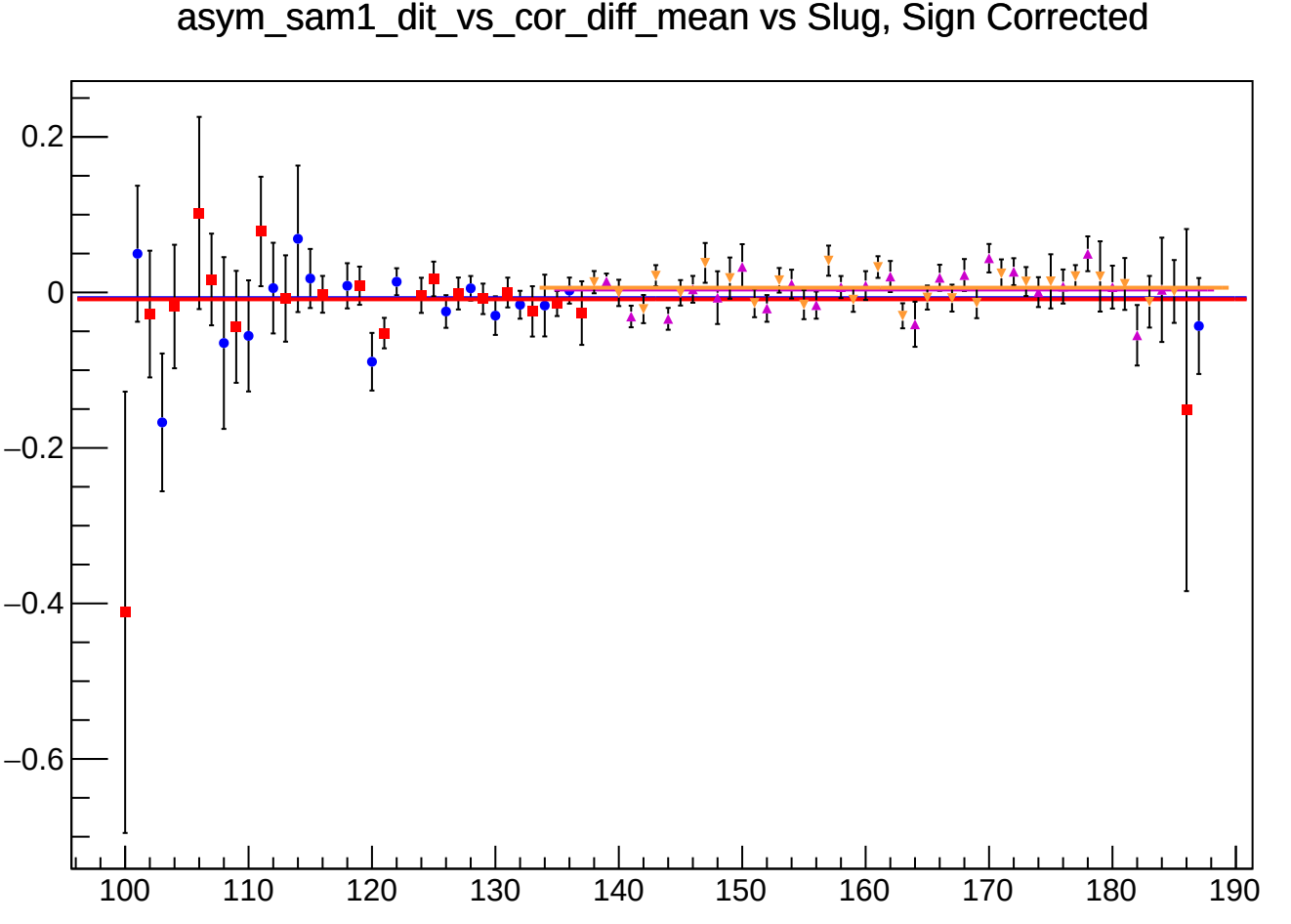
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 6312611.4/36

In: 0.000+/-0.000 χ^2/NDF:5142398.8/39

Out: 0.000+/-0.000 χ^2/NDF:5351450.2/44

All: 0.000+/-0.000 χ^2/NDF: 10510839.3/84



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.009+/-0.006 χ^2/NDF: 13.0/19

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

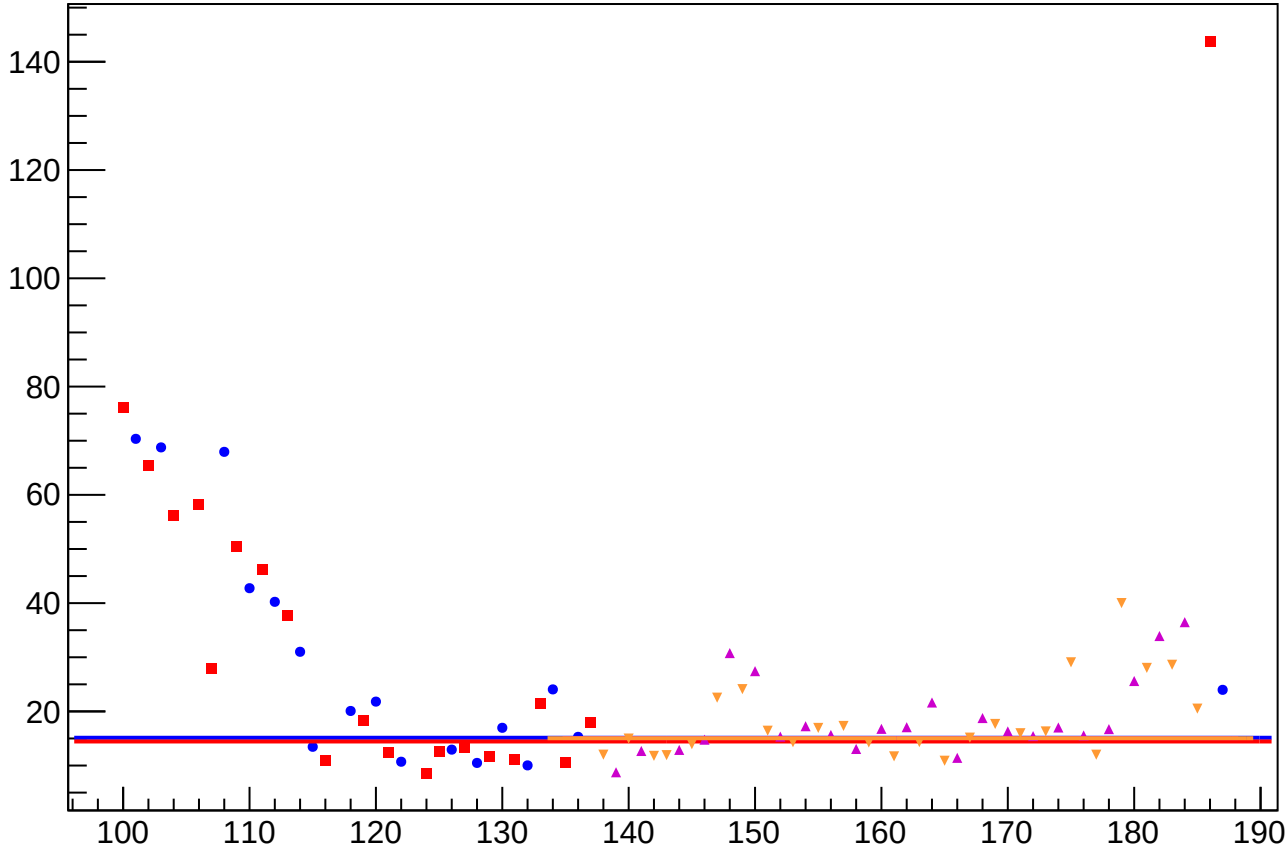
Right: -0.008+/-0.005 χ^2/NDF: 28.3/36

In: 0.001+/-0.003 χ^2/NDF:54.5/39

Out: 0.002+/-0.003 χ^2/NDF:43.8/44

All: 0.002+/-0.002 χ^2/NDF: 98.4/84

asym_sam1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.131+/-0.005 χ^2/NDF: 3479889.7/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.445+/-0.005 χ^2/NDF: 4246079.1/19

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

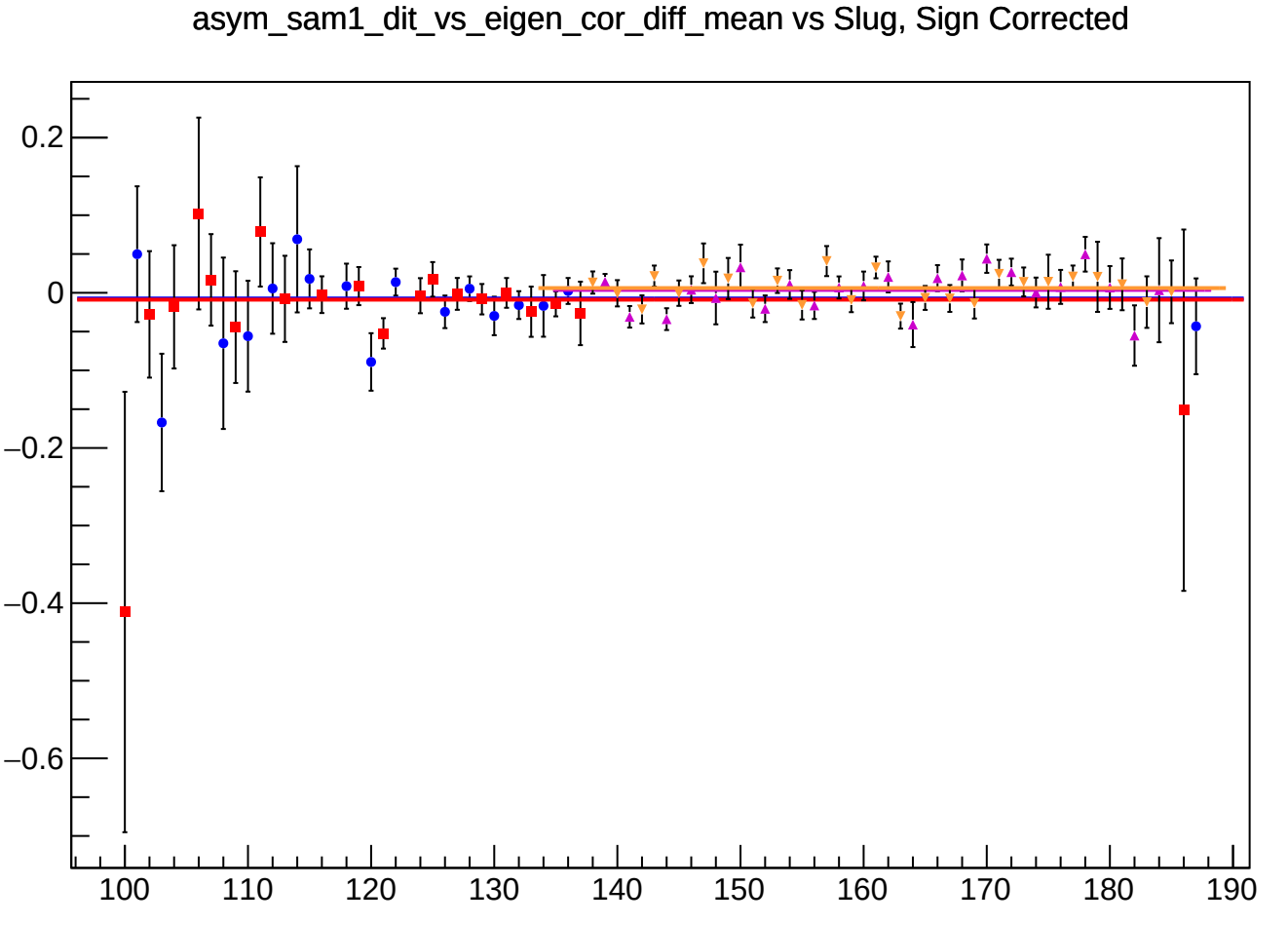
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 14.772+/-0.003 χ^2/NDF: 7736953.2/36

In: 15.083+/-0.002 χ^2/NDF:6546615.7/39

Out: 14.896+/-0.002 χ^2/NDF:7017455.6/44

All: 14.986+/-0.002 χ^2/NDF: 13567358.2/84



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.009+/-0.006 χ^2/NDF: 13.0/19

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

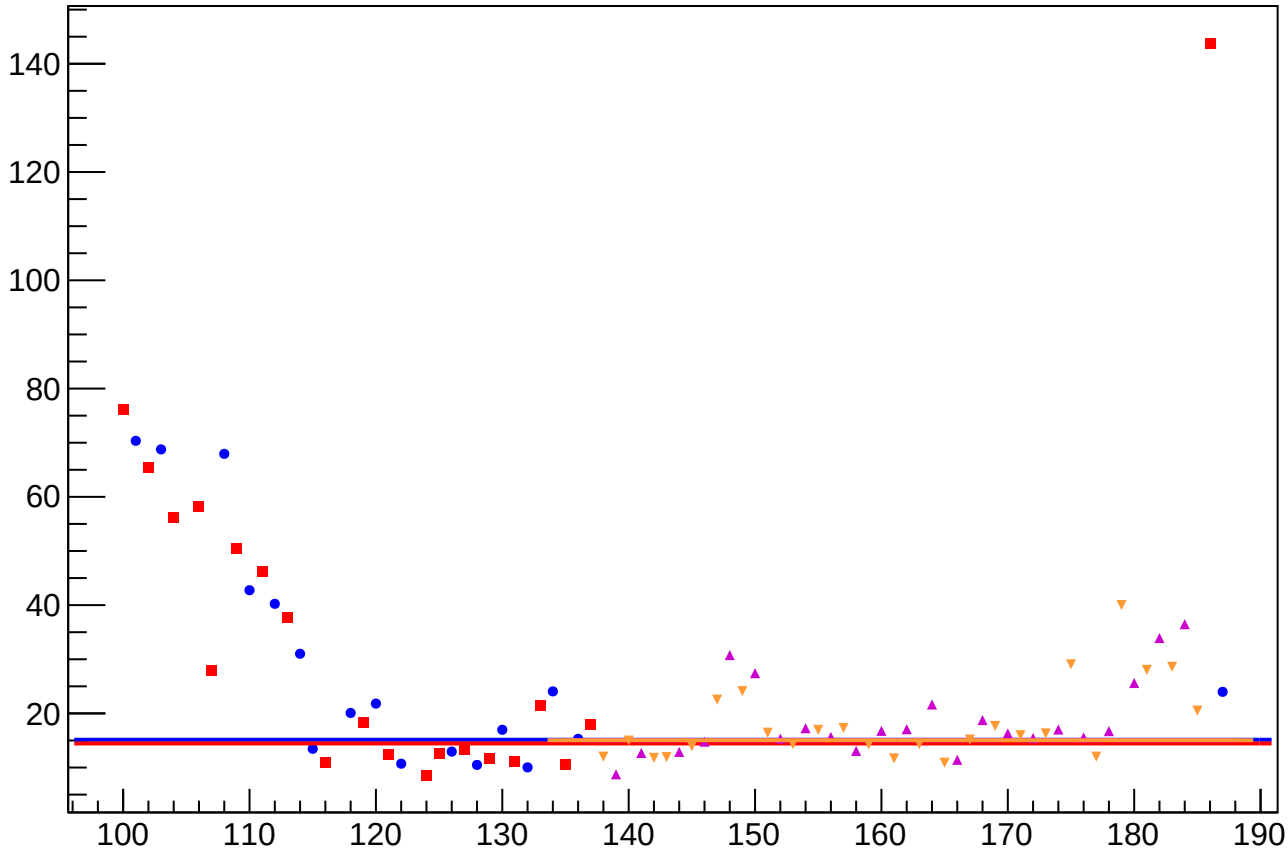
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.008+/-0.005 χ^2/NDF: 28.3/36

In: 0.001+/-0.003 χ^2/NDF:54.5/39

Out: 0.002+/-0.003 χ^2/NDF:43.8/44

All: 0.002+/-0.002 χ^2/NDF: 98.4/84



Right In: 15.131+/-0.005 χ^2/NDF: 3479889.7/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.445+/-0.005 χ^2/NDF: 4246079.1/19

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

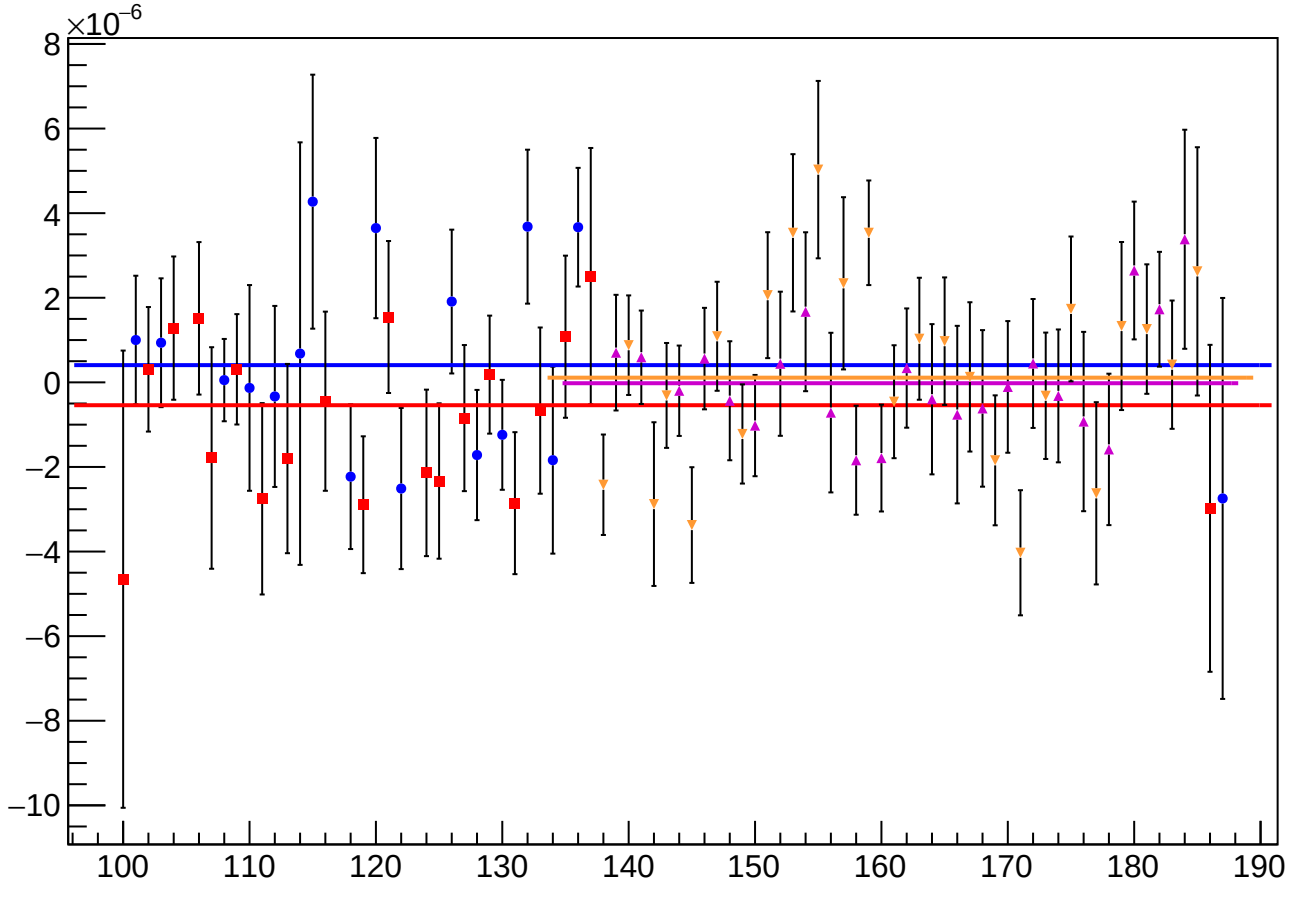
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 14.772+/-0.003 χ^2/NDF: 7736953.2/36

In: 15.083+/-0.002 χ^2/NDF:6546615.7/39

Out: 14.896+/-0.002 χ^2/NDF:7017455.6/44

All: 14.986+/-0.002 χ^2/NDF: 13567358.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

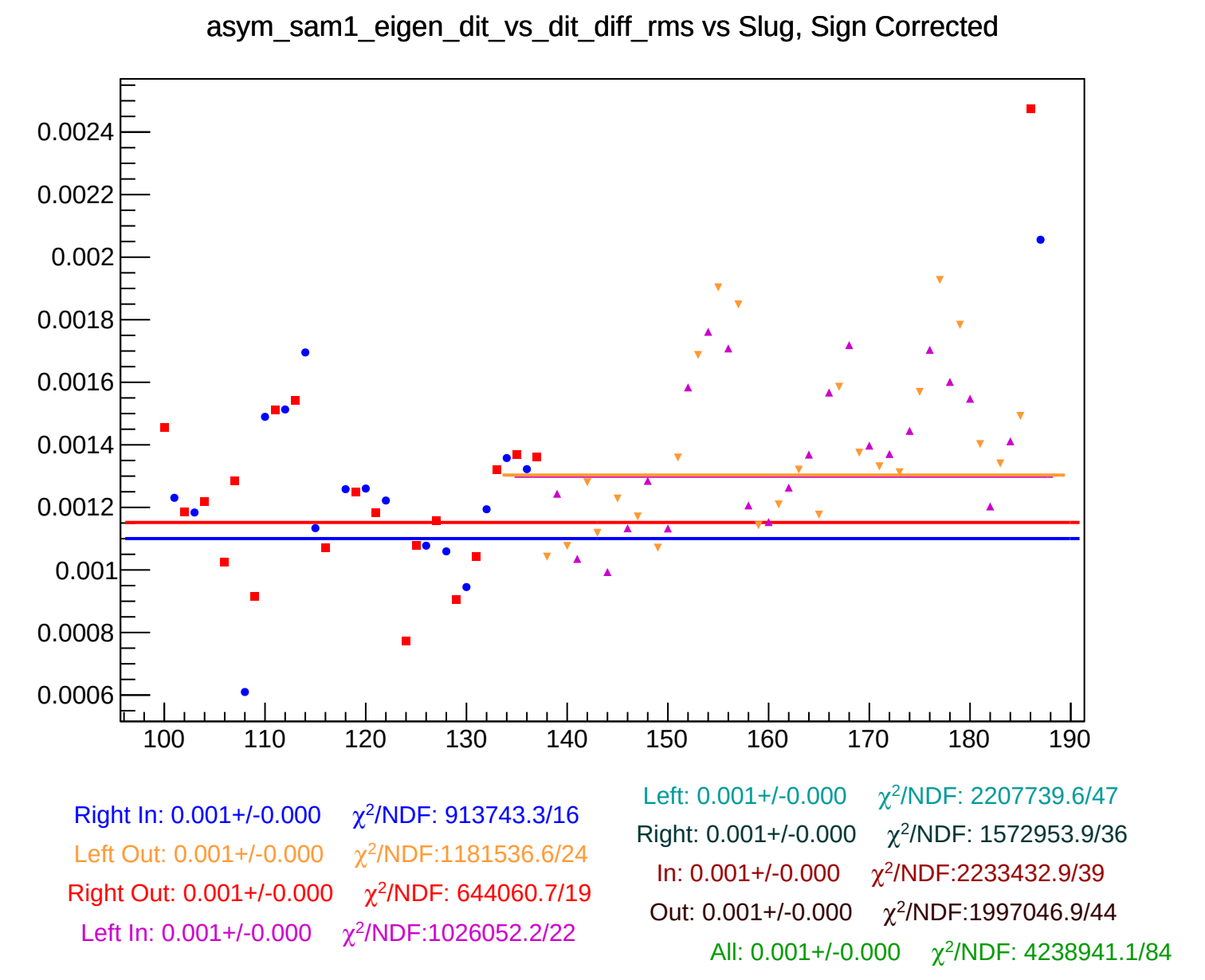
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

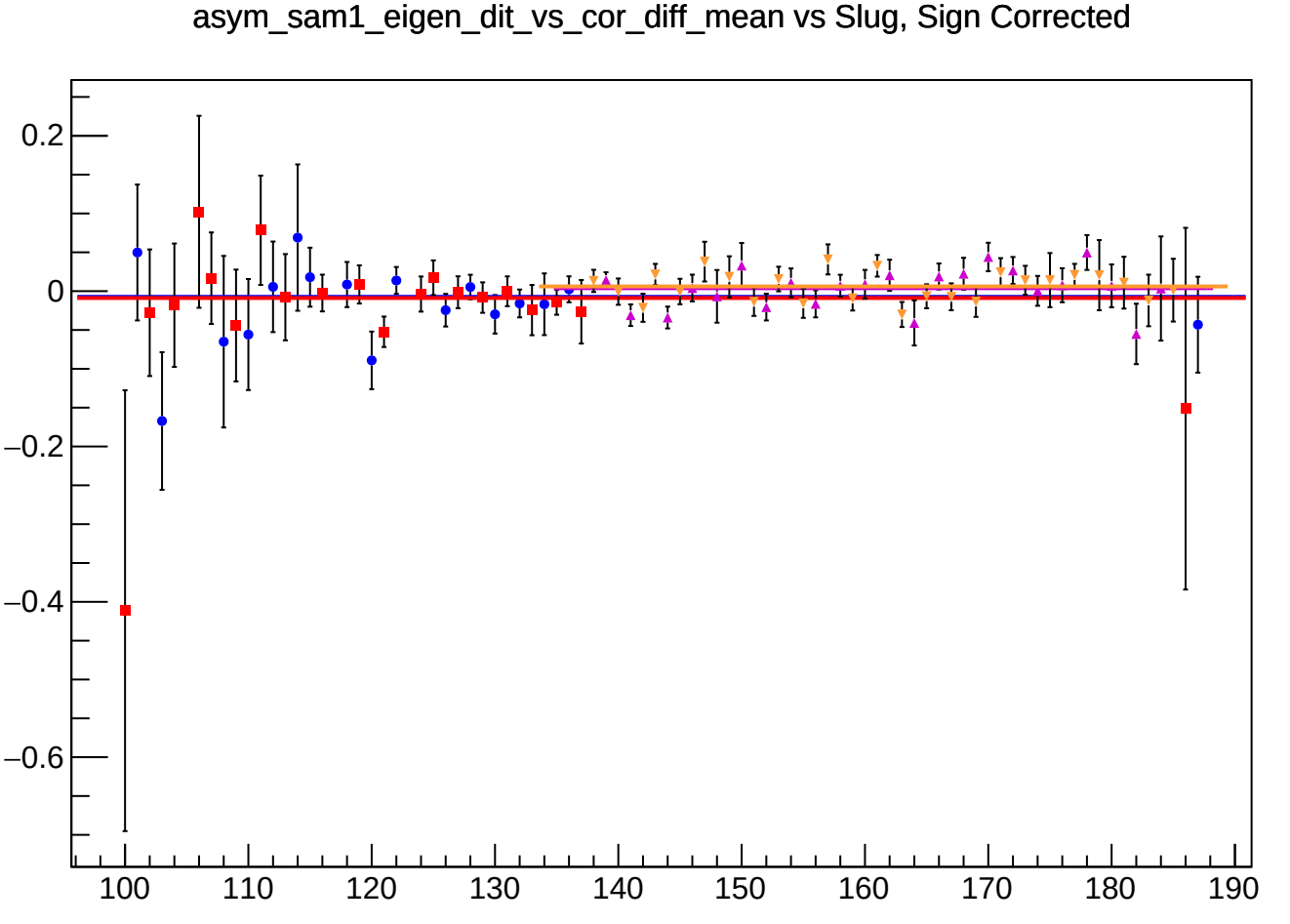
Right: -0.000+/-0.000 χ^2/NDF: 40.9/36

In: 0.000+/-0.000 χ^2/NDF:38.5/39

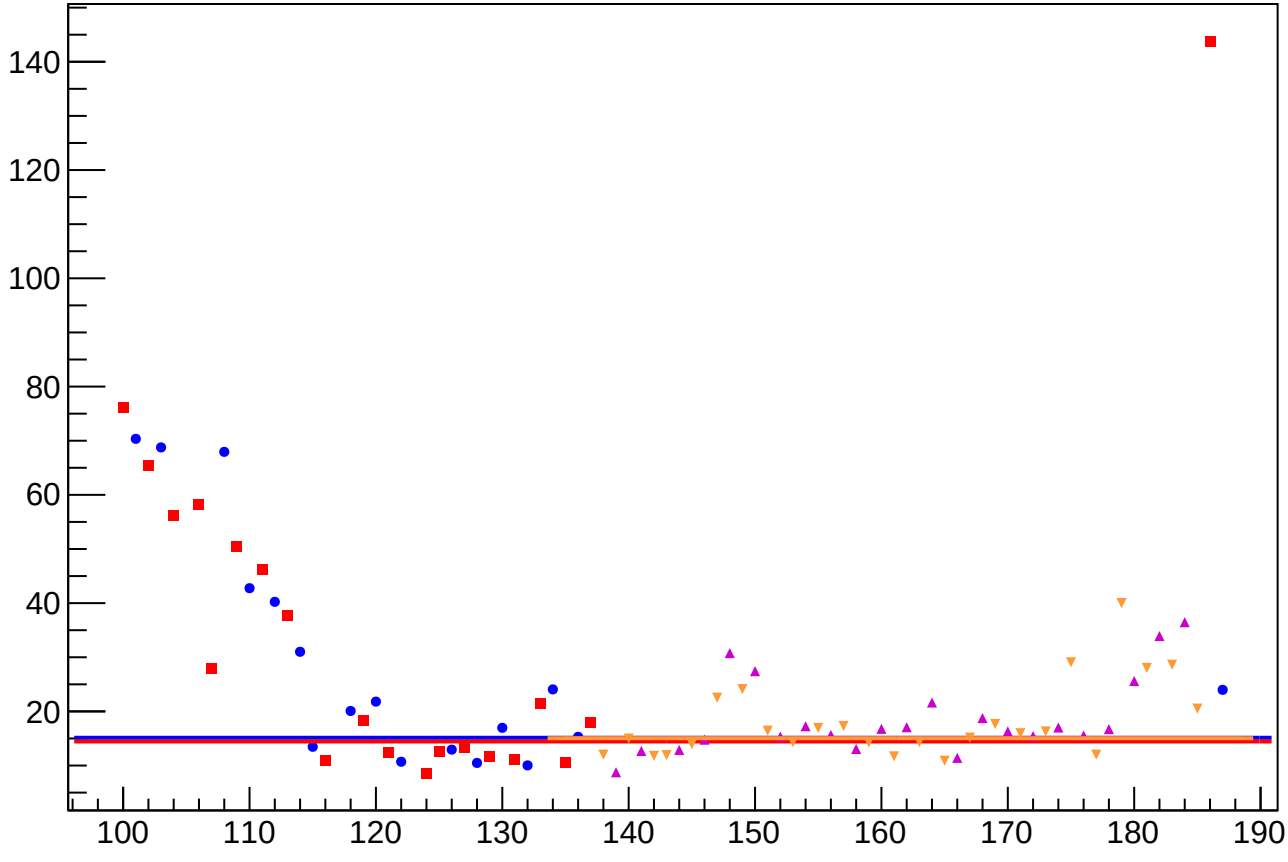
Out: -0.000+/-0.000 χ^2/NDF:66.3/44

All: 0.000+/-0.000 χ^2/NDF: 105.2/84


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 913743.3/16
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 644060.7/19
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2207739.6/47
Right: 0.001+/-0.000 χ²/NDF: 1572953.9/36
In: 0.001+/-0.000 χ²/NDF:2233432.9/39
Out: 0.001+/-0.000 χ²/NDF:1997046.9/44
All: 0.001+/-0.000 χ²/NDF: 4238941.1/84


asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.007+/-0.007 χ²/NDF: 15.3/16
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: -0.009+/-0.006 χ²/NDF: 13.0/19
Left In: 0.004+/-0.004 χ²/NDF:37.1/22
Left: 0.005+/-0.003 χ²/NDF: 64.0/47
Right: -0.008+/-0.005 χ²/NDF: 28.3/36
In: 0.001+/-0.003 χ²/NDF:54.5/39
Out: 0.002+/-0.003 χ²/NDF:43.8/44
All: 0.002+/-0.002 χ²/NDF: 98.4/84

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.131+/-0.005 χ^2/NDF: 3479919.6/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 14.445+/-0.005 χ^2/NDF: 4246070.8/19

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

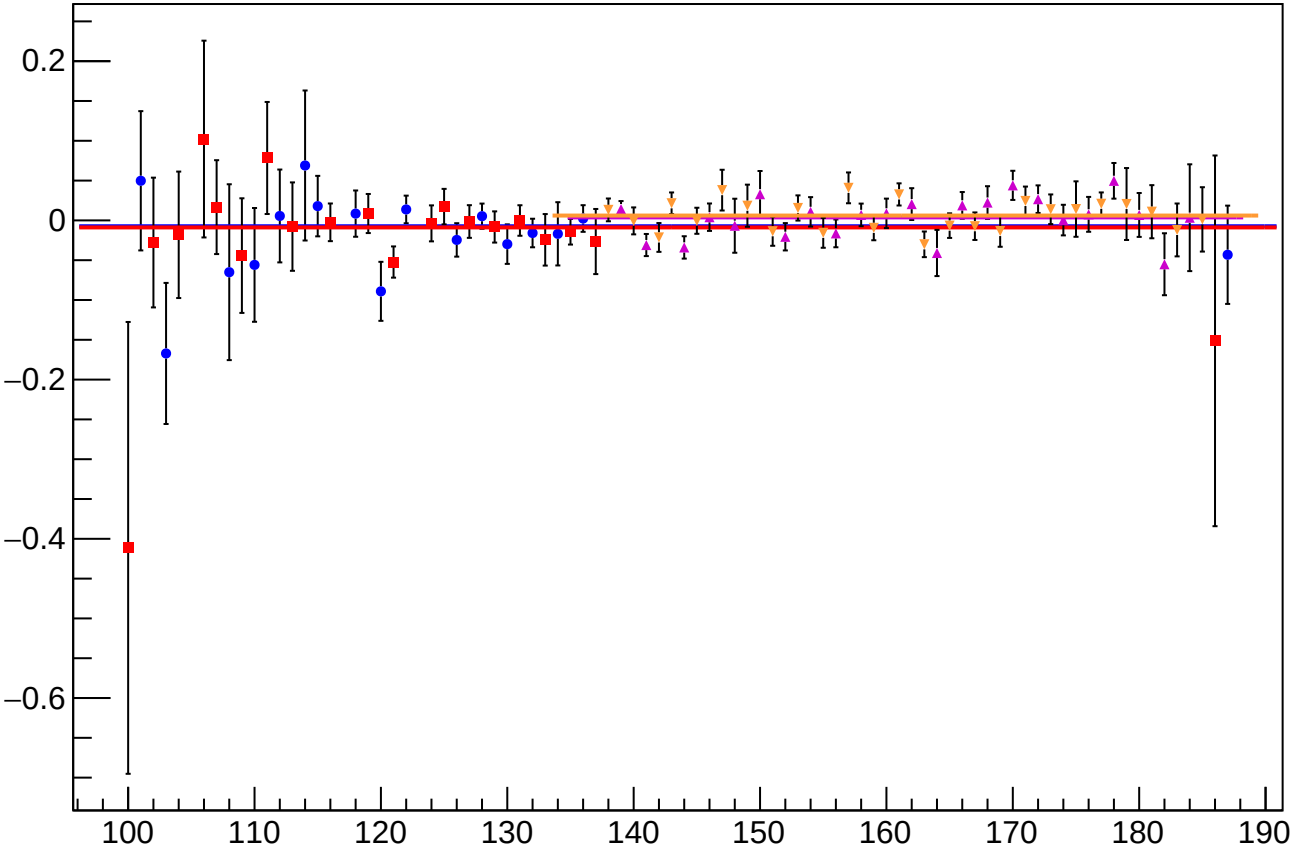
Right: 14.772+/-0.003 χ^2/NDF: 7736972.4/36

In: 15.083+/-0.002 χ^2/NDF:6546689.5/39

Out: 14.896+/-0.002 χ^2/NDF:7017650.8/44

All: 14.986+/-0.002 χ^2/NDF: 13567628.3/84

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.009+/-0.006 χ^2/NDF: 13.0/19

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

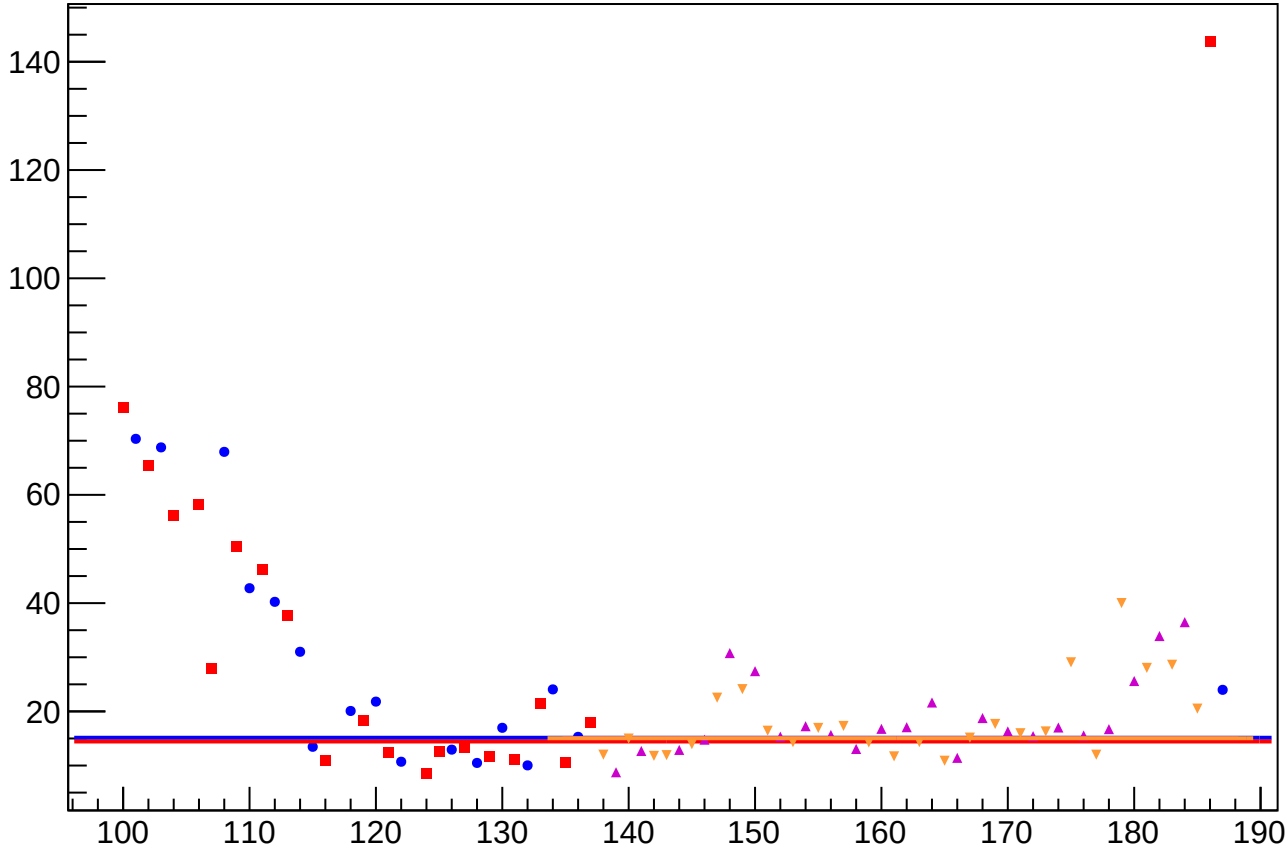
Right: -0.008+/-0.005 χ^2/NDF: 28.3/36

In: 0.001+/-0.003 χ^2/NDF:54.5/39

Out: 0.002+/-0.003 χ^2/NDF:43.8/44

All: 0.002+/-0.002 χ^2/NDF: 98.4/84

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.131+/-0.005 χ^2/NDF: 3479919.6/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 14.445+/-0.005 χ^2/NDF: 4246070.8/19

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

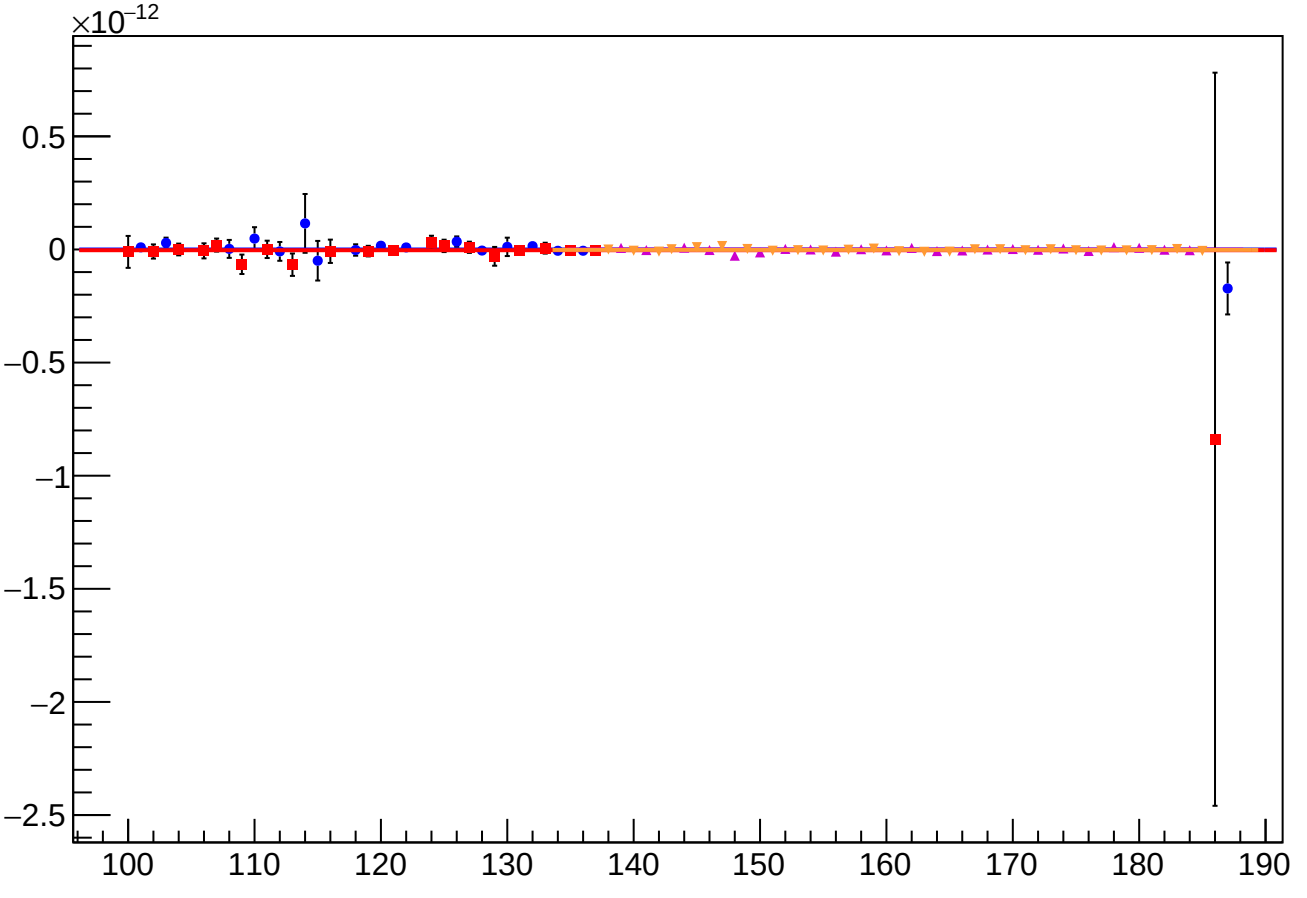
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 14.772+/-0.003 χ^2/NDF: 7736972.4/36

In: 15.083+/-0.002 χ^2/NDF:6546689.5/39

Out: 14.896+/-0.002 χ^2/NDF:7017650.8/44

All: 14.986+/-0.002 χ^2/NDF: 13567628.3/84



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 7.3/19

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

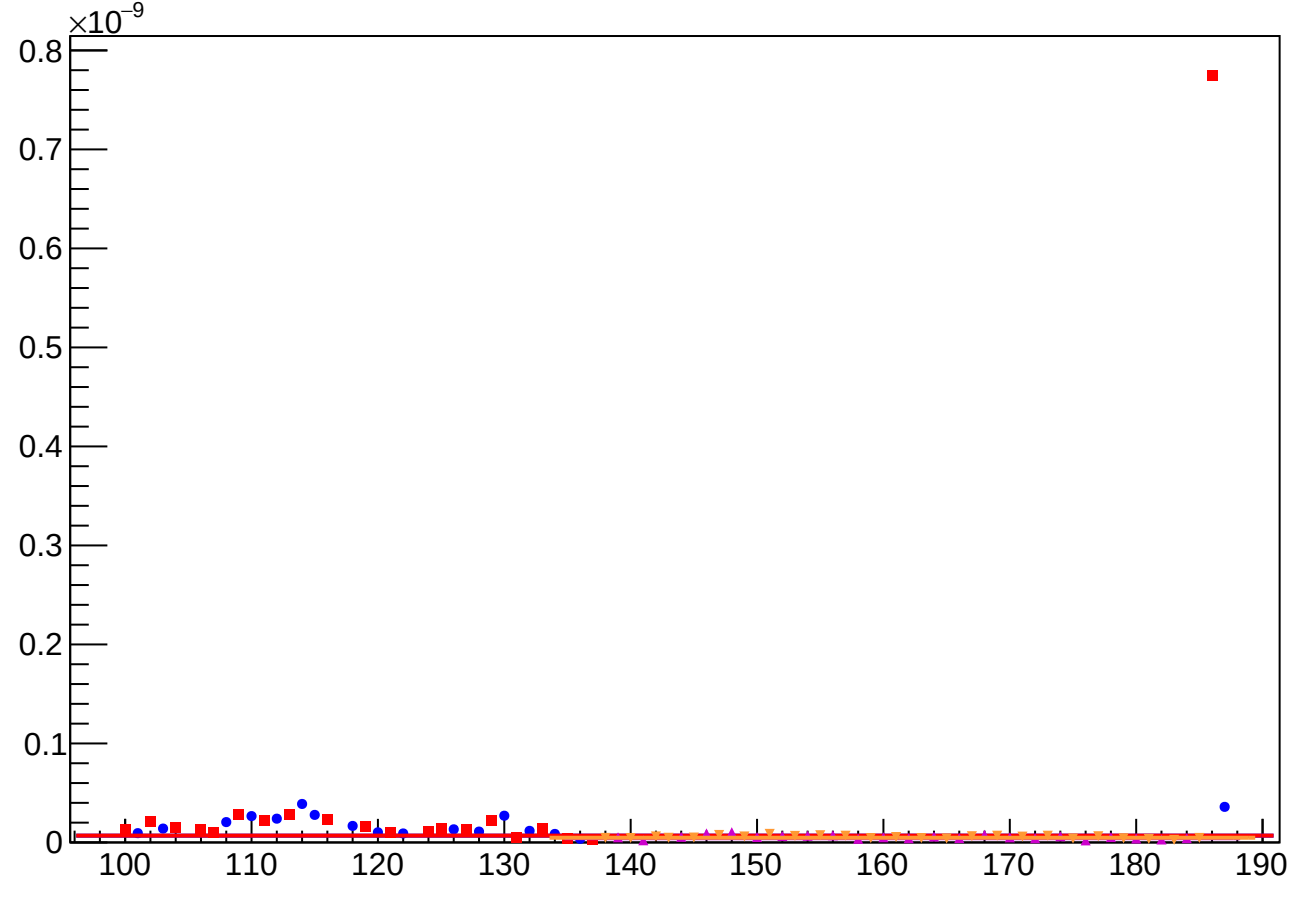
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 19.1/36

In: -0.000+/-0.000 χ^2/NDF:32.9/39

Out: -0.000+/-0.000 χ^2/NDF:22.6/44

All: -0.000+/-0.000 χ^2/NDF: 56.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 3640070.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4690325.5/19

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

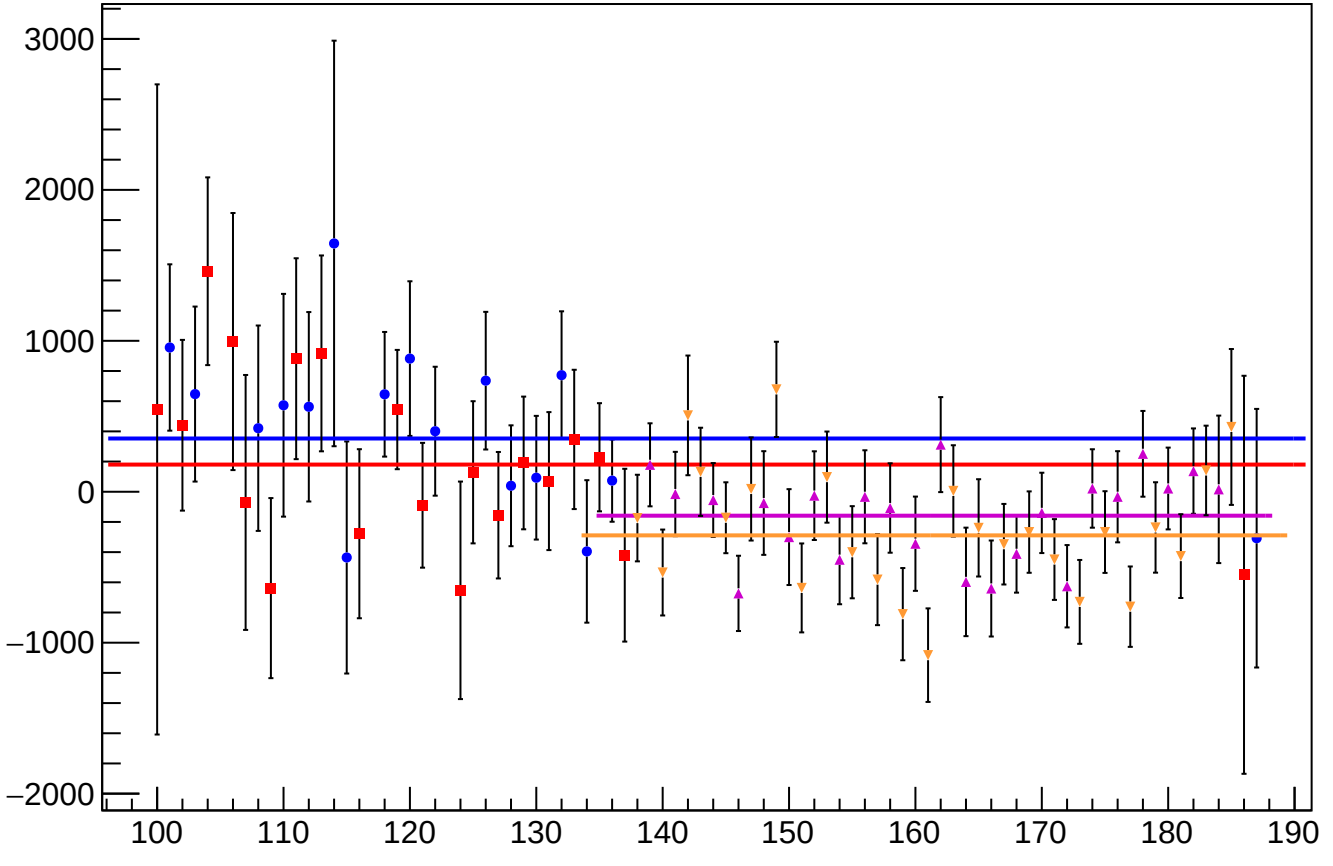
Right: 0.000+/-0.000 χ^2/NDF: 8330627.0/36

In: 0.000+/-0.000 χ^2/NDF:7983434.7/39

Out: 0.000+/-0.000 χ^2/NDF:7314071.4/44

All: 0.000+/-0.000 χ^2/NDF: 15416424.2/84

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 352.820+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 180.073+/-119.691 χ^2/NDF: 15.3/19

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

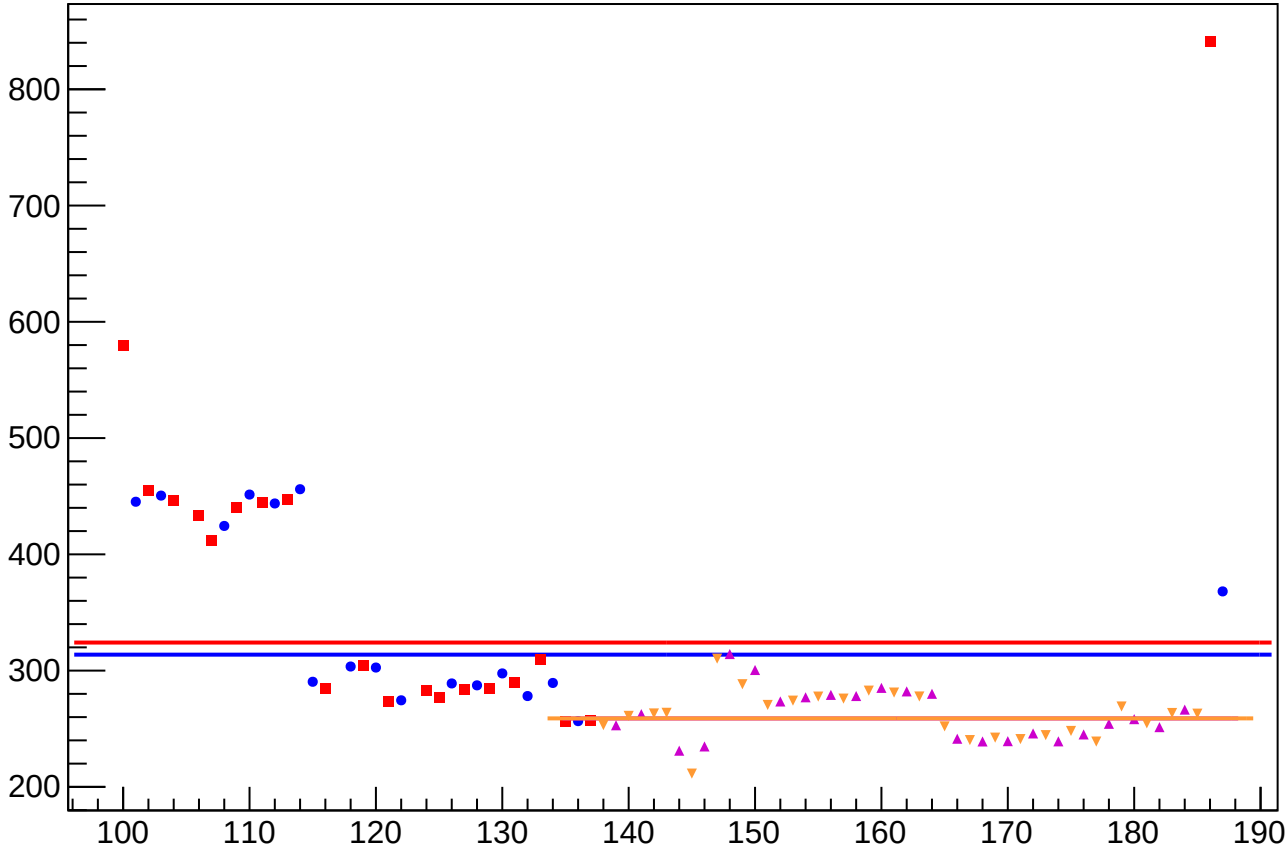
Right: 267.863+/-83.938 χ^2/NDF: 28.5/36

In: -51.200+/-53.958 χ^2/NDF:49.5/39

Out: -197.155+/-52.945 χ^2/NDF:70.1/44

All: -125.560+/-37.791 χ^2/NDF: 123.3/84

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.730+/-0.083 χ^2/NDF: 610427.6/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 324.135+/-0.085 χ^2/NDF: 1007645.9/19

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

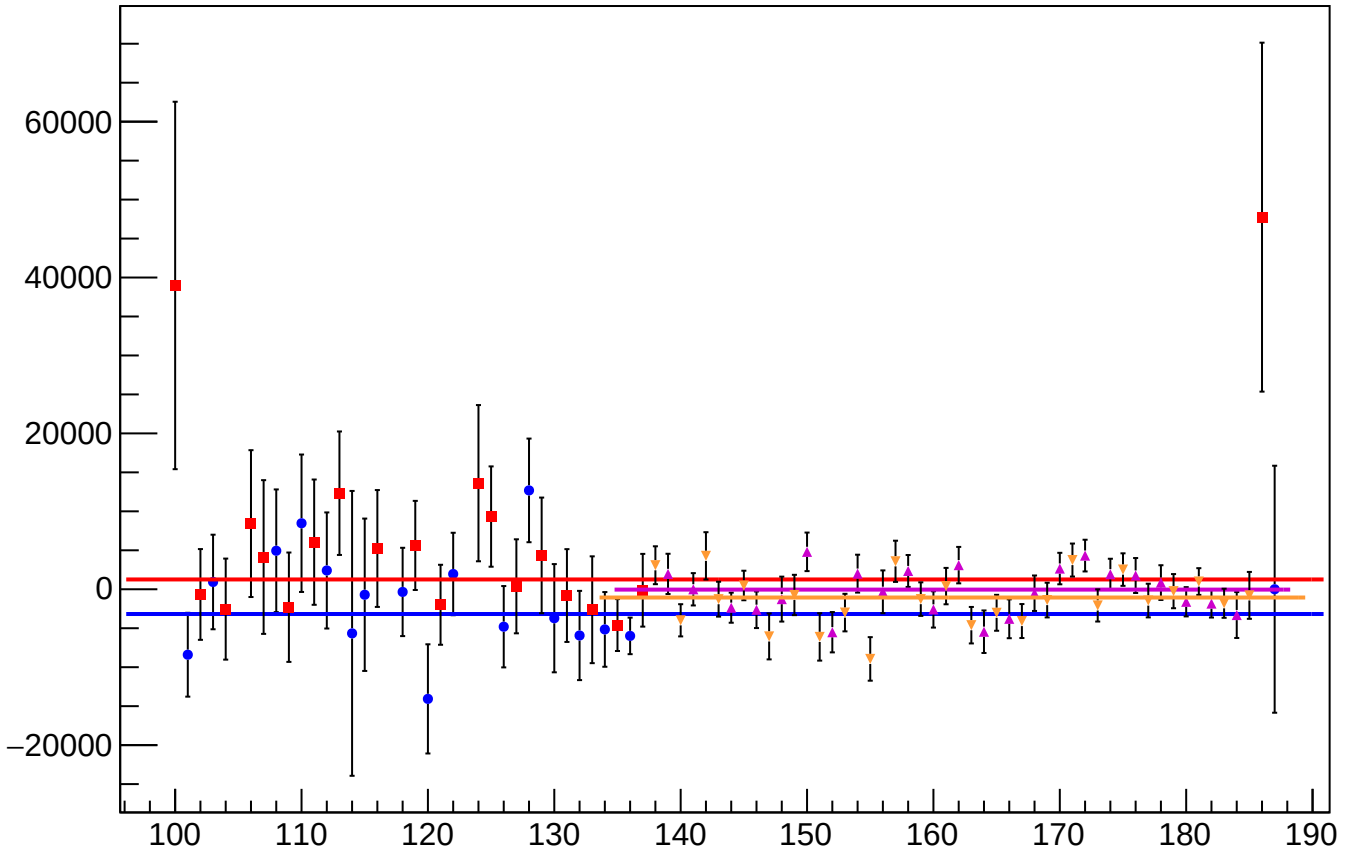
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.847+/-0.059 χ^2/NDF: 1625753.7/36

In: 270.370+/-0.038 χ^2/NDF:1198712.9/39

Out: 271.674+/-0.037 χ^2/NDF:1734063.4/44

All: 271.034+/-0.027 χ^2/NDF: 2933372.0/84



Right In: -3175.535+/-1348.900 χ^2/NDF: 16.1/16

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1259.155+/-1440.336 χ^2/NDF: 18.7/19

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

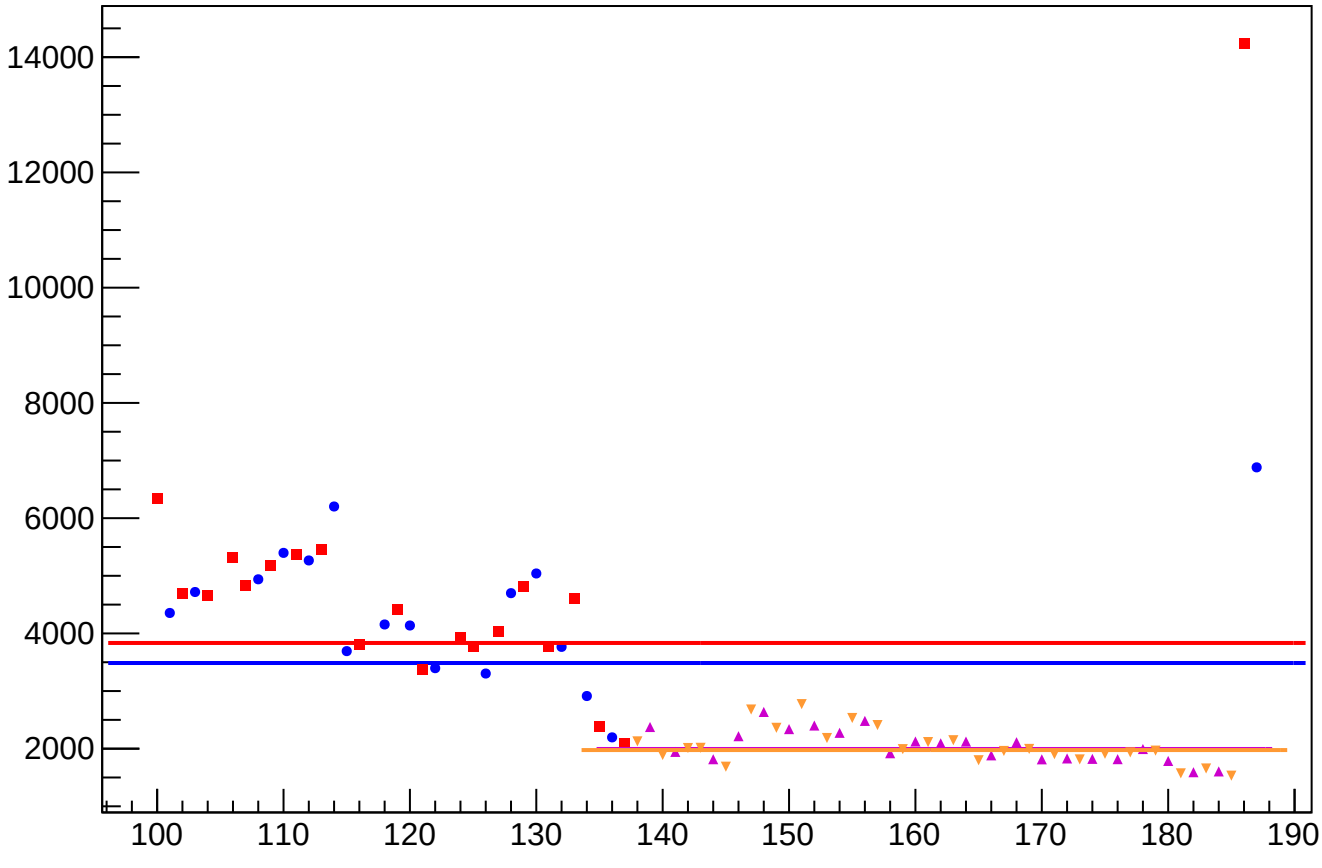
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1103.411+/-984.555 χ^2/NDF: 39.9/36

In: -384.239+/-444.420 χ^2/NDF:55.1/39

Out: -849.157+/-433.565 χ^2/NDF:62.6/44

All: -622.445+/-310.343 χ^2/NDF: 118.2/84



Right In: 3486.707+/-0.954 χ^2/NDF: 1402055.2/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 3834.437+/-1.018 χ^2/NDF: 1589244.3/19

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

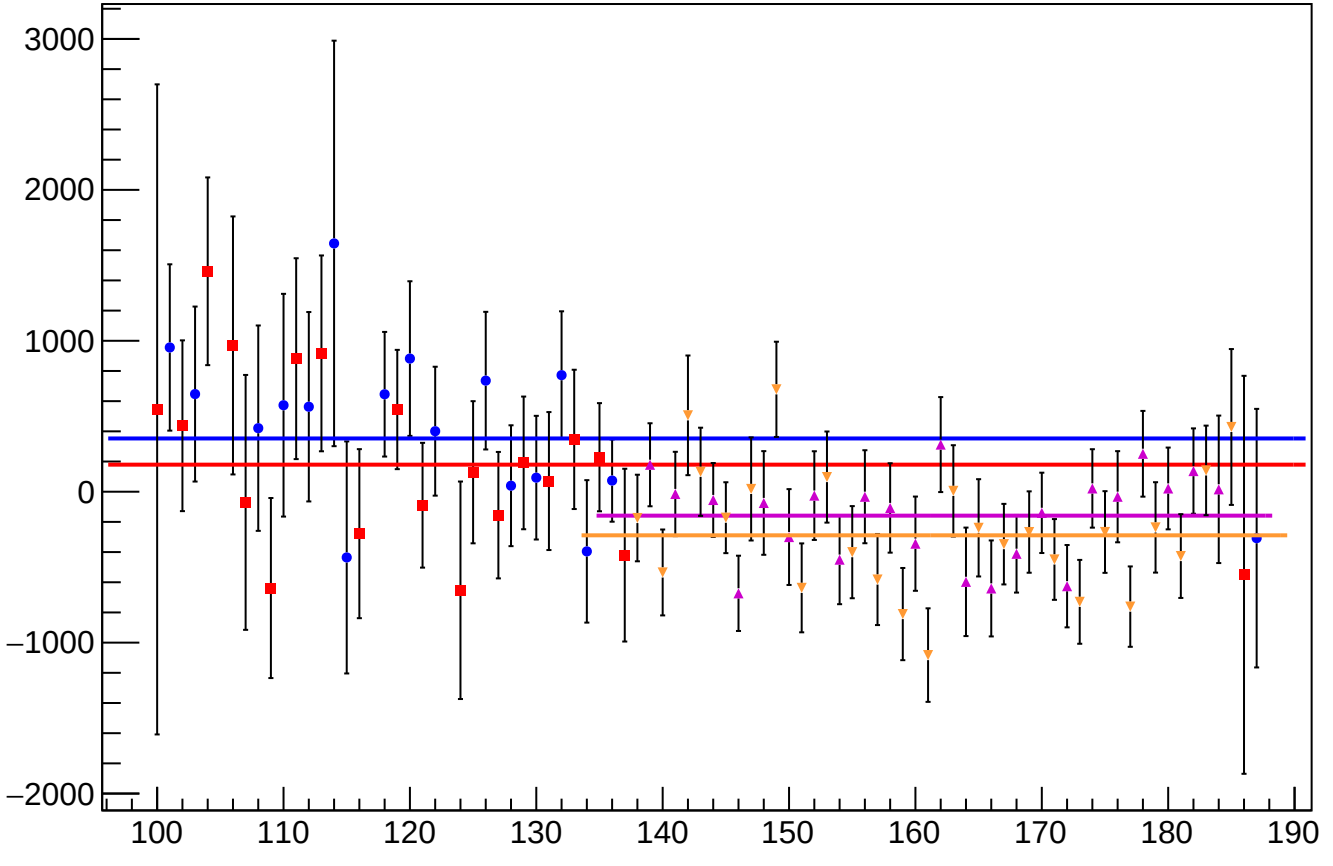
Right: 3649.185+/-0.696 χ^2/NDF: 3053401.7/36

In: 2156.710+/-0.314 χ^2/NDF:4183146.8/39

Out: 2144.365+/-0.307 χ^2/NDF:5380623.7/44

All: 2150.385+/-0.219 χ^2/NDF: 9564561.1/84

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 352.803+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 179.265+/-119.702 χ^2/NDF: 15.2/19

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

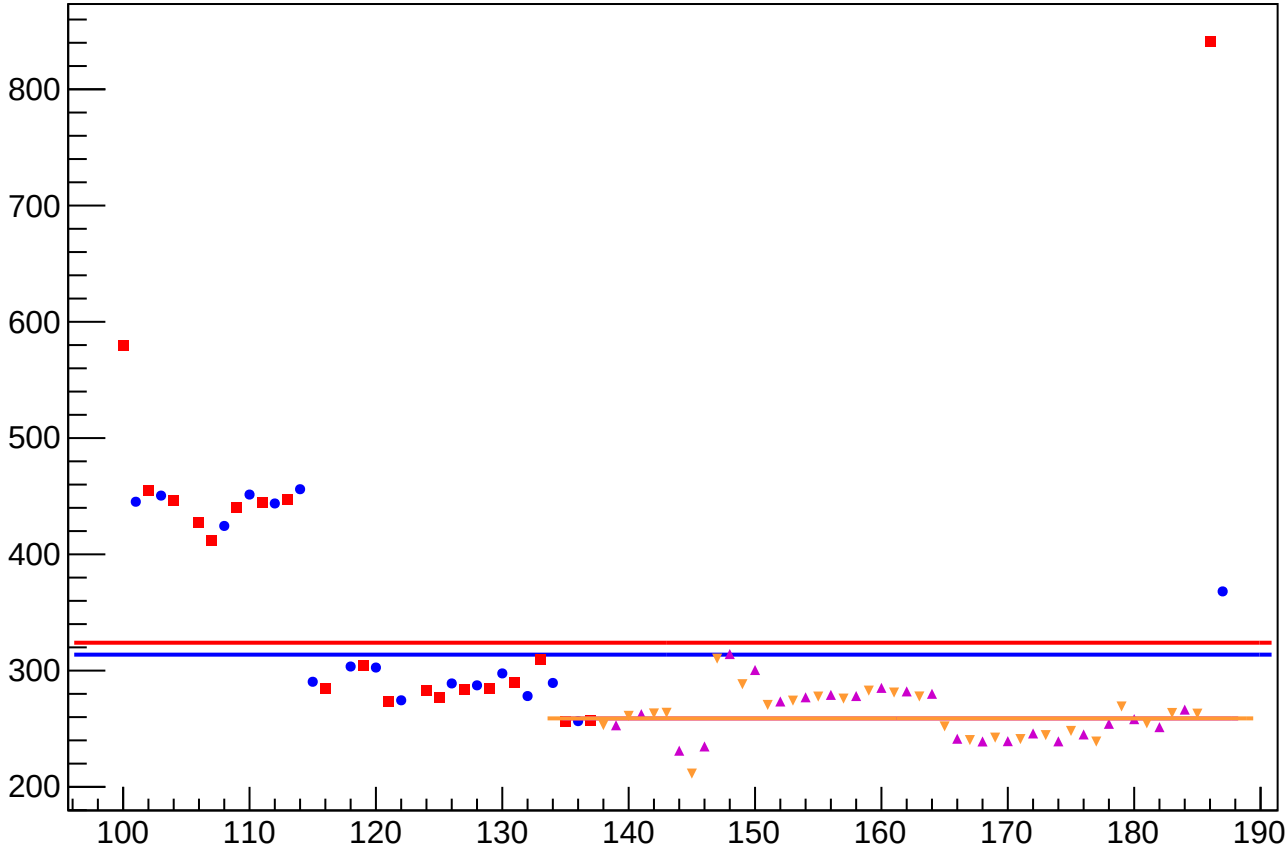
Right: 267.465+/-83.942 χ^2/NDF: 28.4/36

In: -51.213+/-53.958 χ^2/NDF:49.5/39

Out: -197.330+/-52.946 χ^2/NDF:70.0/44

All: -125.654+/-37.791 χ^2/NDF: 123.2/84

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.730+/-0.083 χ^2/NDF: 610429.1/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.988+/-0.085 χ^2/NDF: 1003657.6/19

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

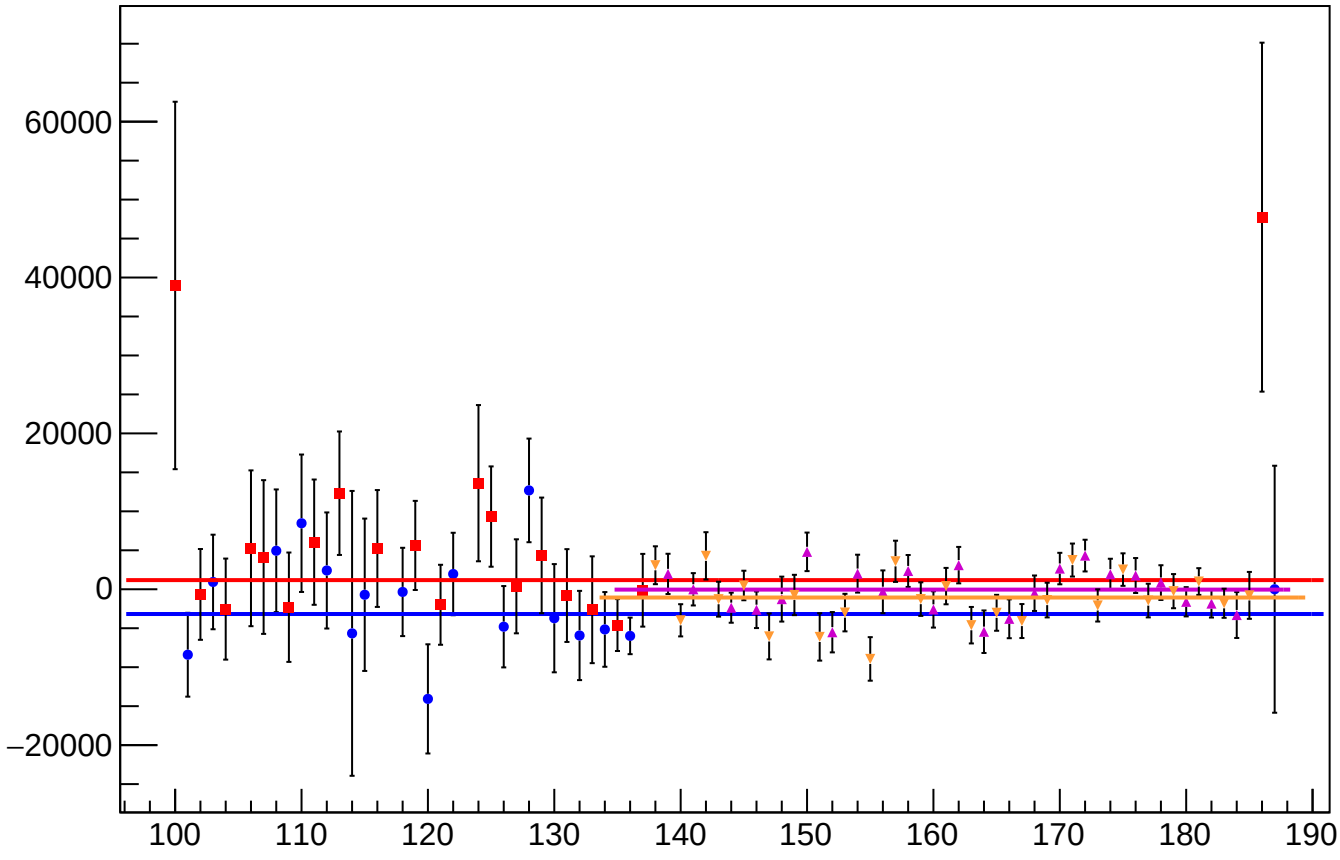
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.775+/-0.059 χ^2/NDF: 1621551.9/36

In: 270.370+/-0.038 χ^2/NDF:1198714.5/39

Out: 271.644+/-0.037 χ^2/NDF:1727866.8/44

All: 271.019+/-0.027 χ^2/NDF: 2927149.4/84



Right In: -3175.467+/-1348.903 χ^2/NDF: 16.1/16

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1175.023+/-1442.263 χ^2/NDF: 18.3/19

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

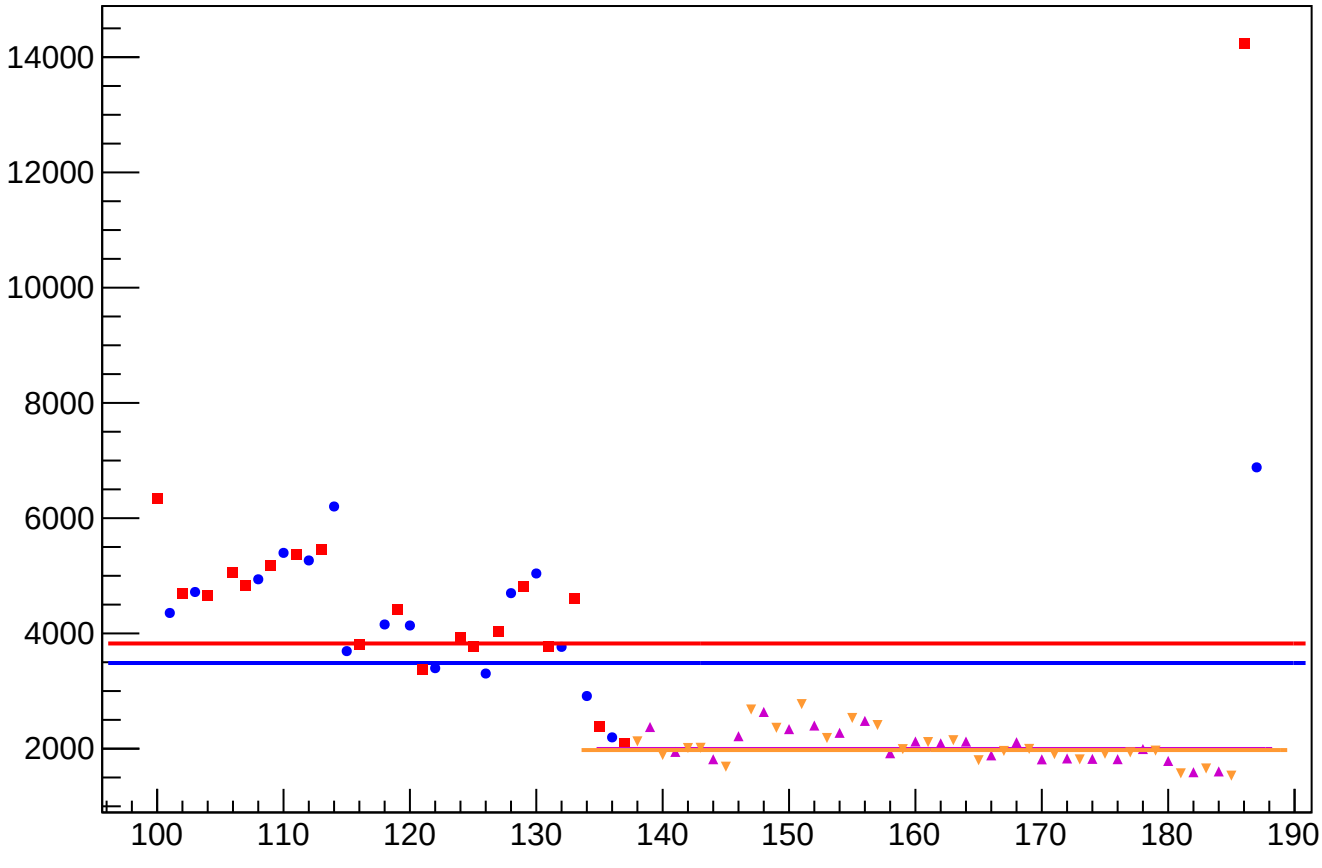
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1145.576+/-985.171 χ^2/NDF: 39.3/36

In: -384.227+/-444.420 χ^2/NDF:55.1/39

Out: -857.276+/-433.618 χ^2/NDF:62.0/44

All: -626.570+/-310.363 χ^2/NDF: 117.7/84



Right In: 3486.712+/-0.954 χ^2/NDF: 1402071.1/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3825.560+/-1.020 χ^2/NDF: 1570576.0/19

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

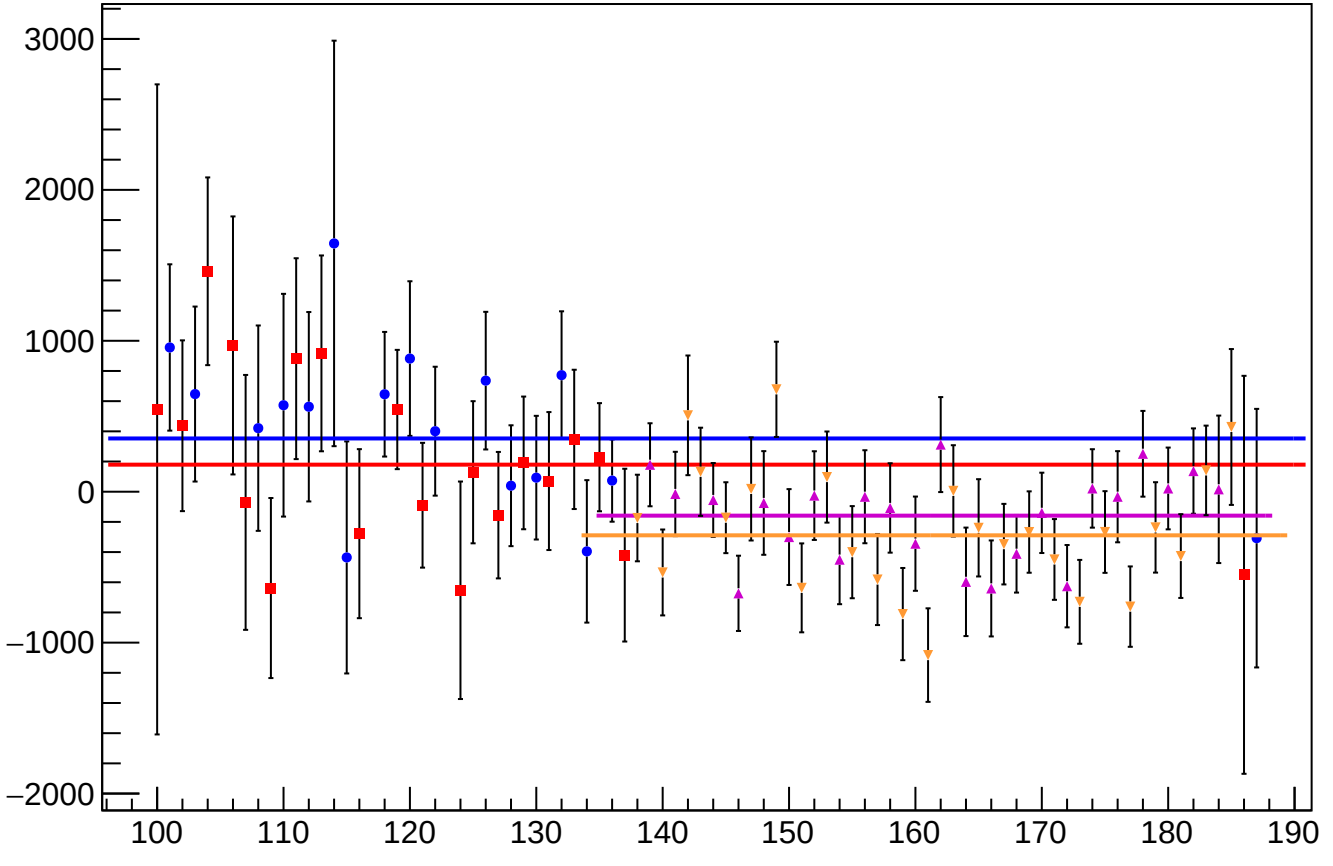
Right: 3644.814+/-0.697 χ^2/NDF: 3031533.3/36

In: 2156.710+/-0.314 χ^2/NDF:4183167.6/39

Out: 2143.154+/-0.307 χ^2/NDF:5325811.0/44

All: 2149.765+/-0.219 χ^2/NDF: 9509932.0/84

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 352.803+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 179.265+/-119.702 χ^2/NDF: 15.2/19

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

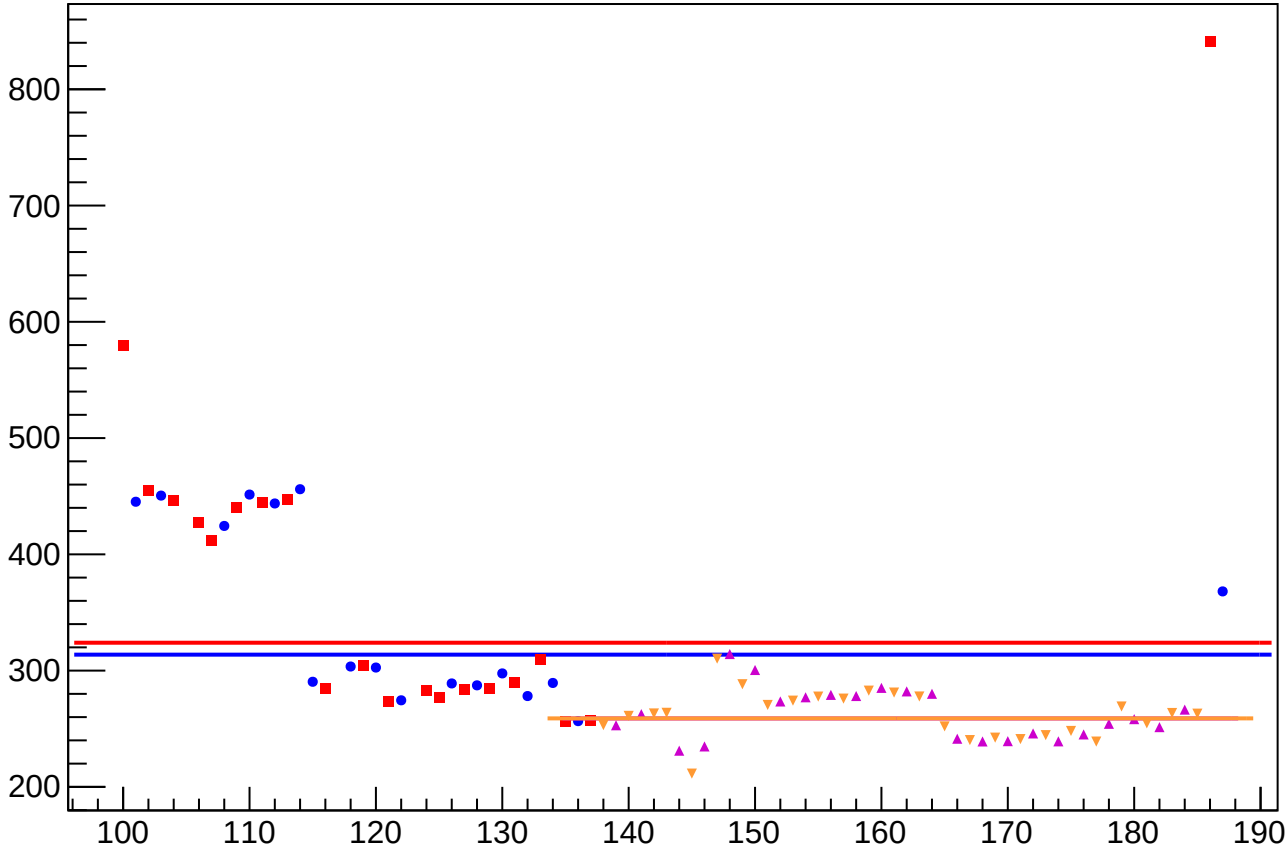
Right: 267.465+/-83.942 χ^2/NDF: 28.4/36

In: -51.213+/-53.958 χ^2/NDF:49.5/39

Out: -197.330+/-52.946 χ^2/NDF:70.0/44

All: -125.654+/-37.791 χ^2/NDF: 123.2/84

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.730+/-0.083 χ^2/NDF: 610429.1/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.988+/-0.085 χ^2/NDF: 1003657.6/19

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

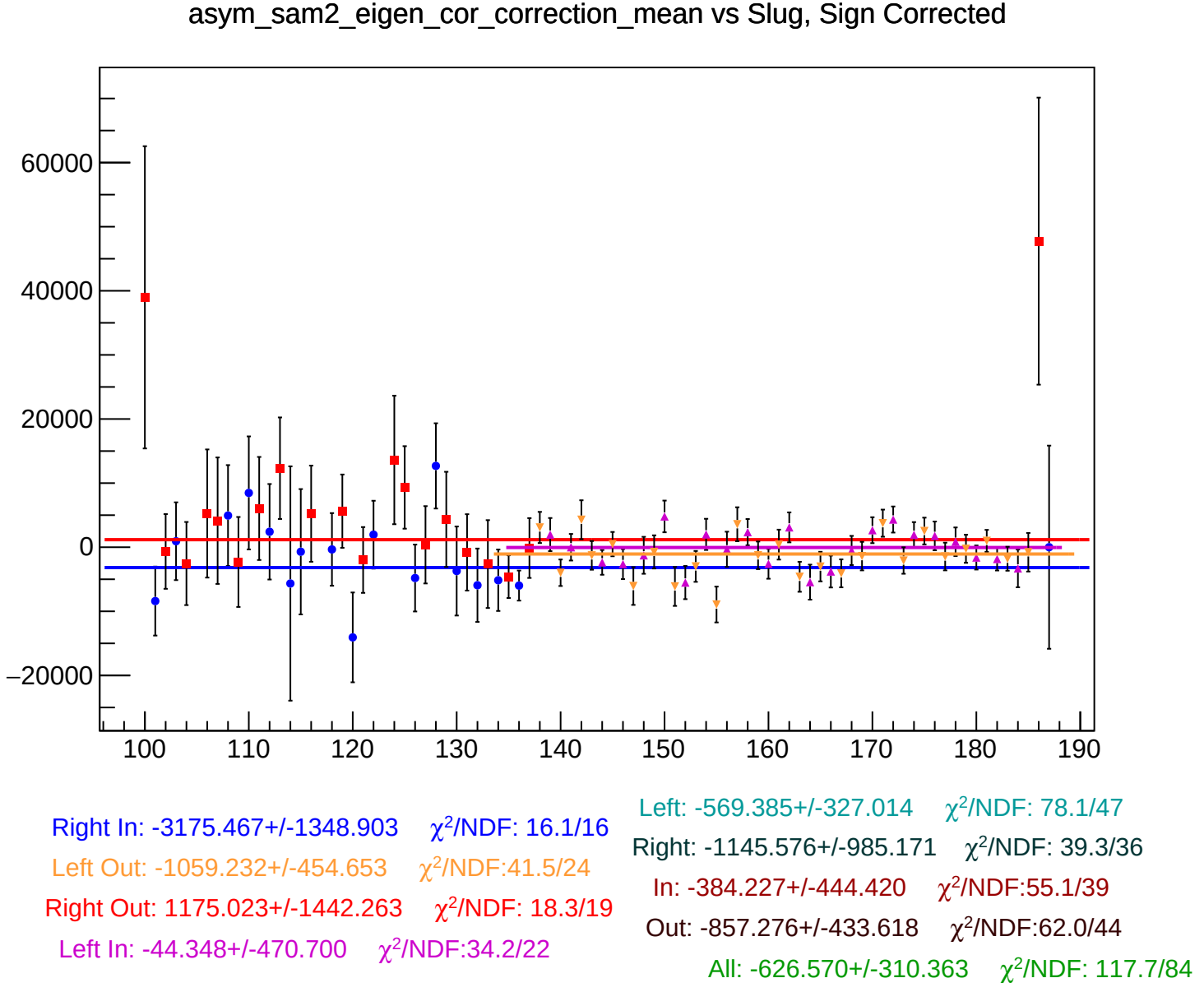
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

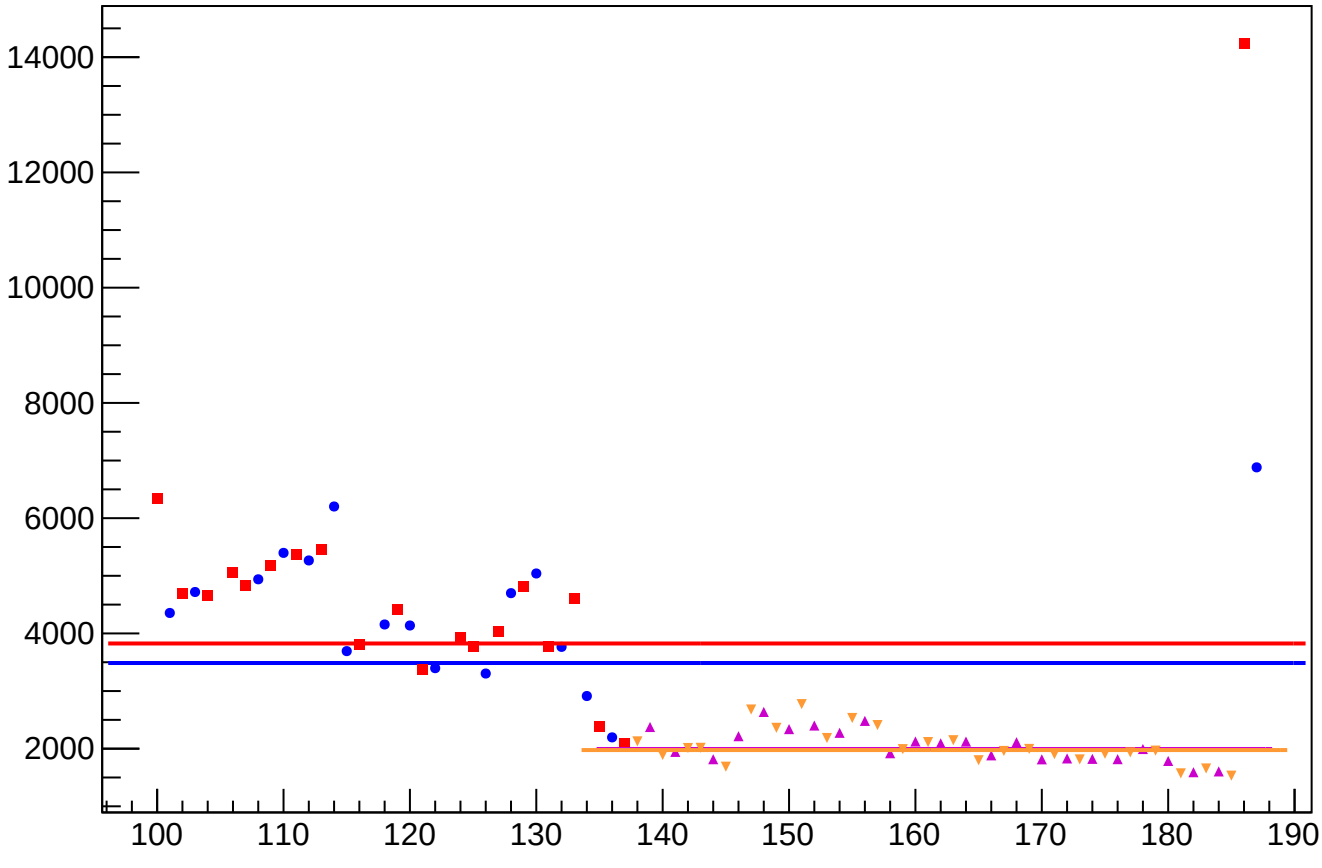
Right: 318.775+/-0.059 χ^2/NDF: 1621551.9/36

In: 270.370+/-0.038 χ^2/NDF:1198714.5/39

Out: 271.644+/-0.037 χ^2/NDF:1727866.8/44

All: 271.019+/-0.027 χ^2/NDF: 2927149.4/84


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -3175.467+/-1348.903 χ²/NDF: 16.1/16
Left Out: -1059.232+/-454.653 χ²/NDF:41.5/24
Right Out: 1175.023+/-1442.263 χ²/NDF: 18.3/19
Left In: -44.348+/-470.700 χ²/NDF:34.2/22
Left: -569.385+/-327.014 χ²/NDF: 78.1/47
Right: -1145.576+/-985.171 χ²/NDF: 39.3/36
In: -384.227+/-444.420 χ²/NDF:55.1/39
Out: -857.276+/-433.618 χ²/NDF:62.0/44
All: -626.570+/-310.363 χ²/NDF: 117.7/84



Right In: 3486.712+/-0.954 χ^2/NDF: 1402071.1/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3825.560+/-1.020 χ^2/NDF: 1570576.0/19

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

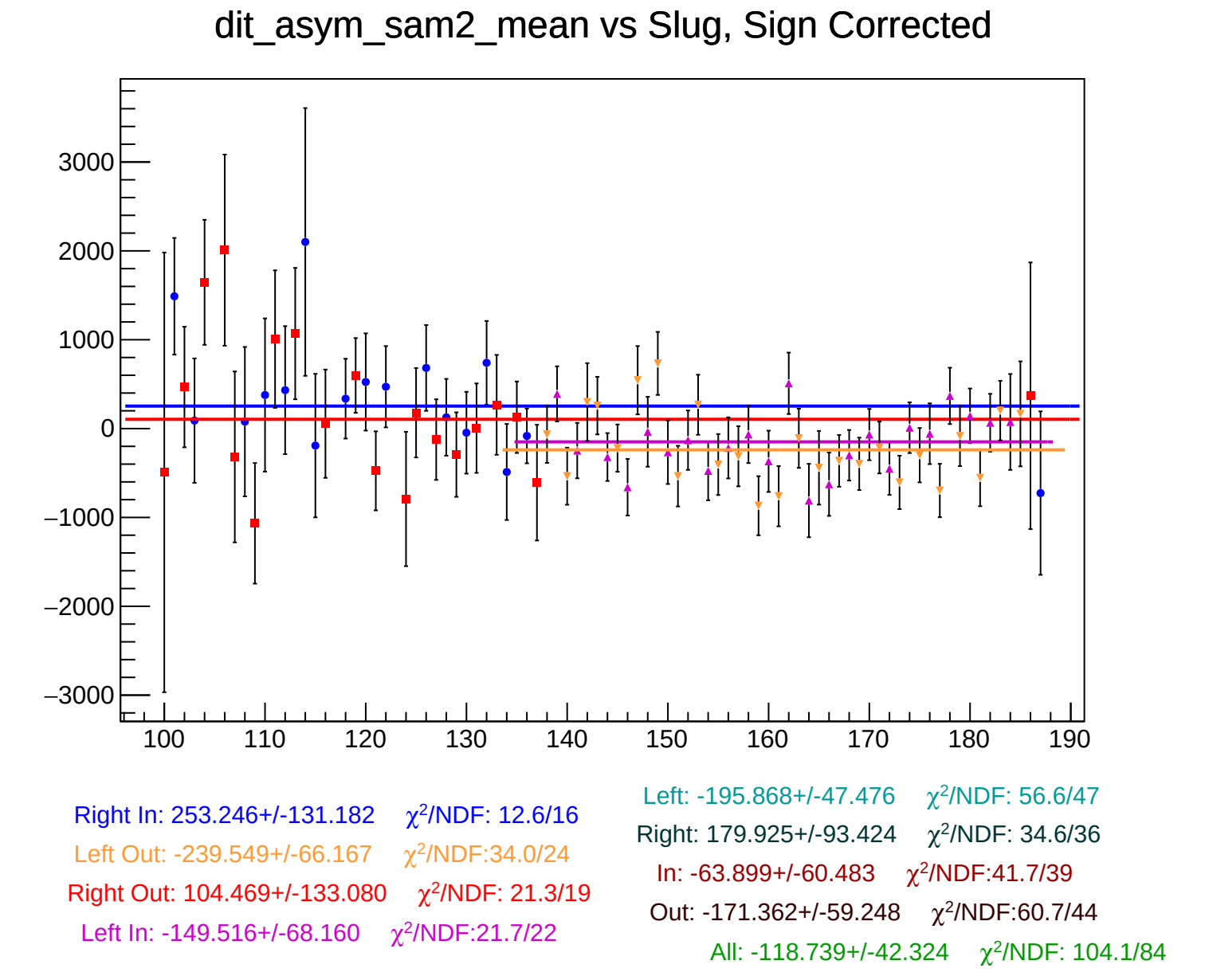
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3644.814+/-0.697 χ^2/NDF: 3031533.3/36

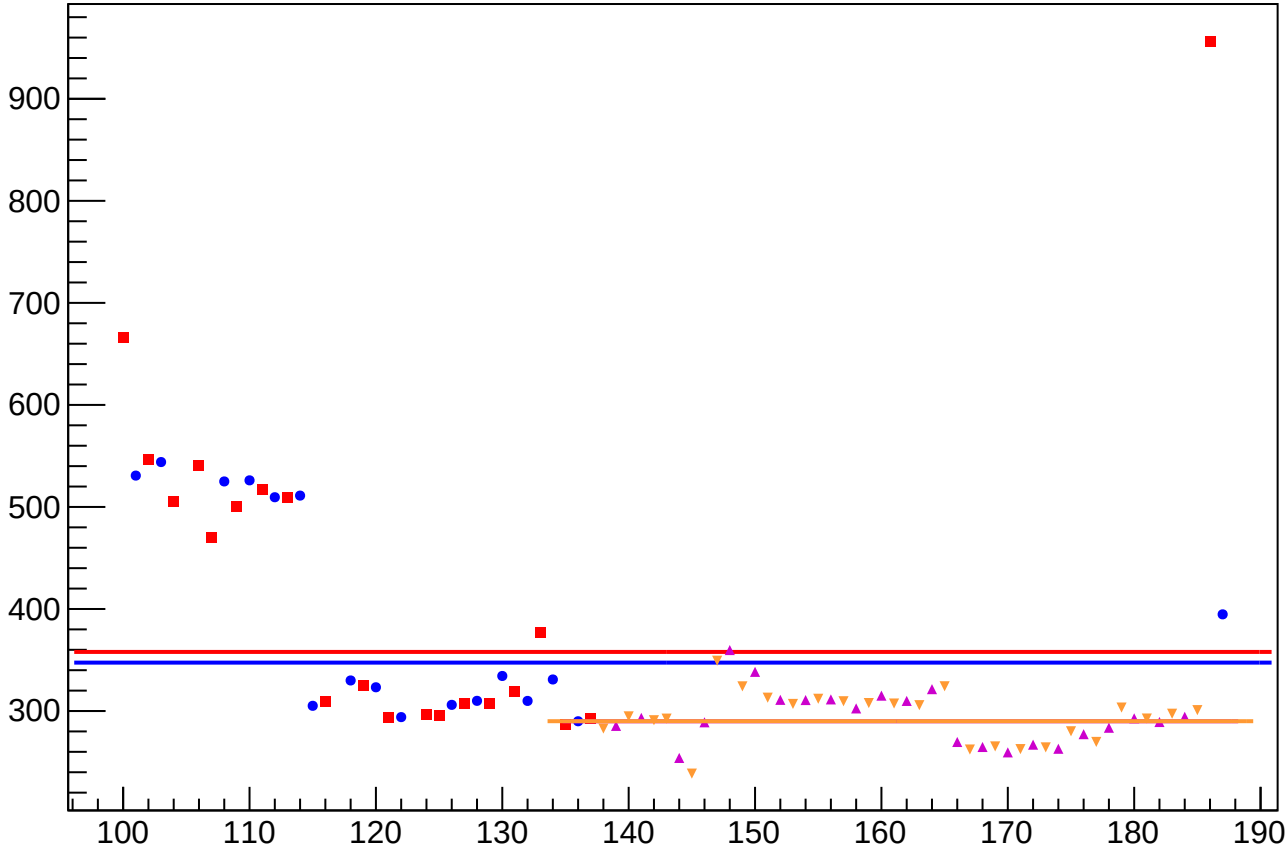
In: 2156.710+/-0.314 χ^2/NDF:4183167.6/39

Out: 2143.154+/-0.307 χ^2/NDF:5325811.0/44

All: 2149.765+/-0.219 χ^2/NDF: 9509932.0/84


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: 253.246+/-131.182 χ²/NDF: 12.6/16
Left Out: -239.549+/-66.167 χ²/NDF:34.0/24
Right Out: 104.469+/-133.080 χ²/NDF: 21.3/19
Left In: -149.516+/-68.160 χ²/NDF:21.7/22
Left: -195.868+/-47.476 χ²/NDF: 56.6/47
Right: 179.925+/-93.424 χ²/NDF: 34.6/36
In: -63.899+/-60.483 χ²/NDF:41.7/39
Out: -171.362+/-59.248 χ²/NDF:60.7/44
All: -118.739+/-42.324 χ²/NDF: 104.1/84

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 347.437+/-0.093 χ^2/NDF: 774164.2/16

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 357.918+/-0.094 χ^2/NDF: 1186486.3/19

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

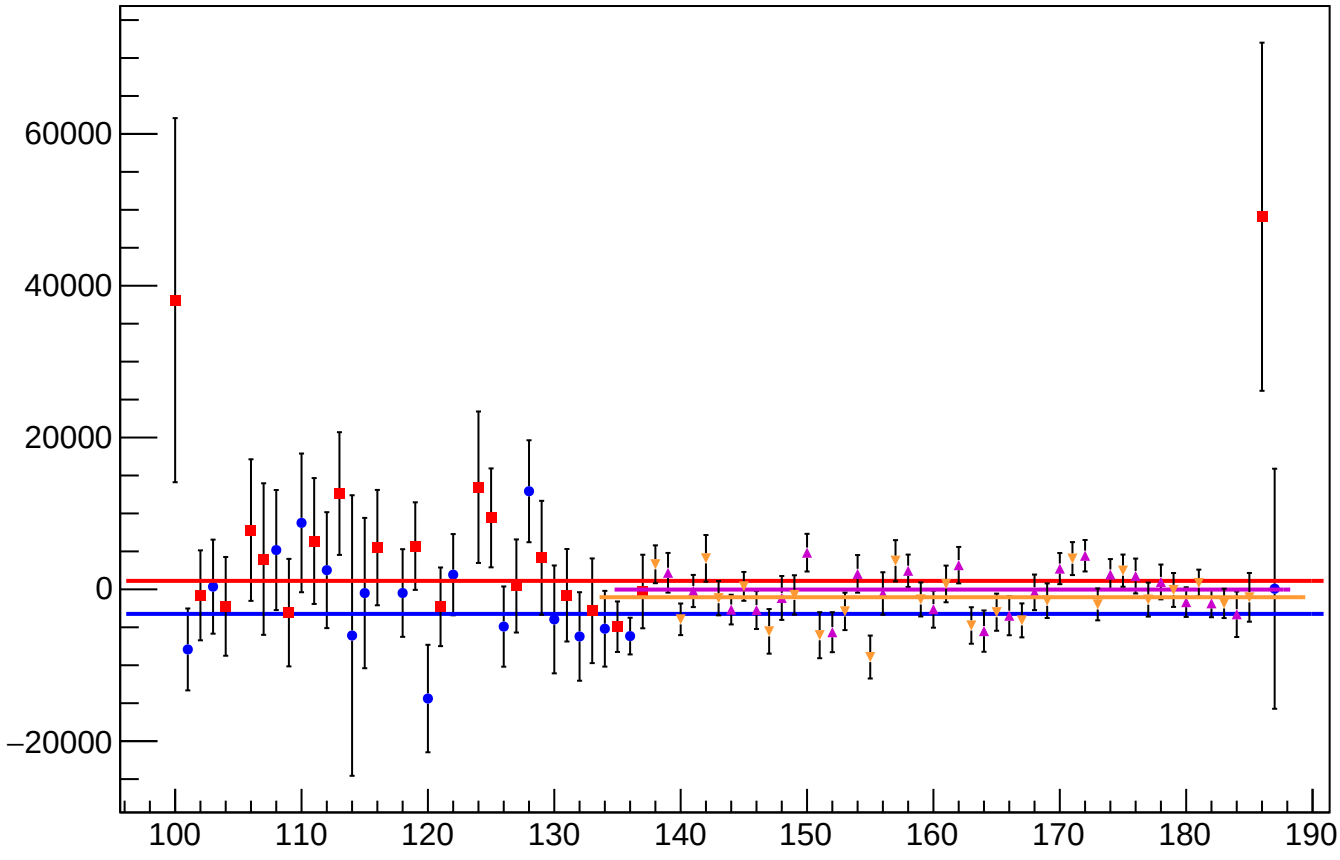
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 352.602+/-0.066 χ^2/NDF: 1966942.1/36

In: 302.163+/-0.043 χ^2/NDF:1346360.4/39

Out: 303.480+/-0.042 χ^2/NDF:1884526.4/44

All: 302.835+/-0.030 χ^2/NDF: 3231370.6/84



Right In: -3233.456+/-1378.867 χ^2/NDF: 16.1/16

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1115.821+/-1457.773 χ^2/NDF: 19.0/19

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

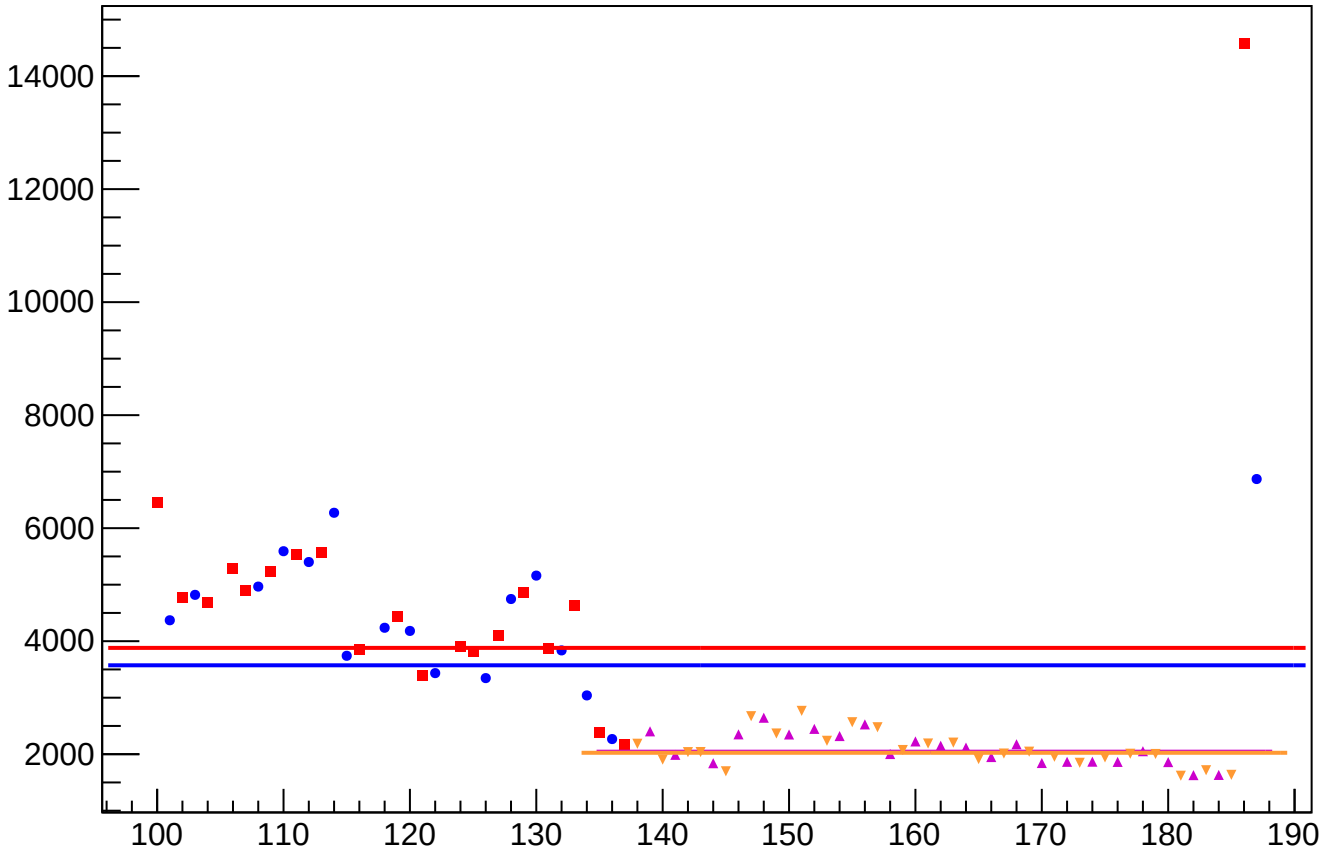
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -1179.706+/-1001.740 χ^2/NDF: 39.8/36

In: -379.531+/-455.238 χ^2/NDF:55.0/39

Out: -837.562+/-443.288 χ^2/NDF:61.3/44

All: -614.637+/-317.593 χ^2/NDF: 116.8/84



Right In: 3573.225+/-0.975 χ^2/NDF: 1346061.4/16

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 3881.357+/-1.031 χ^2/NDF: 1592524.9/19

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

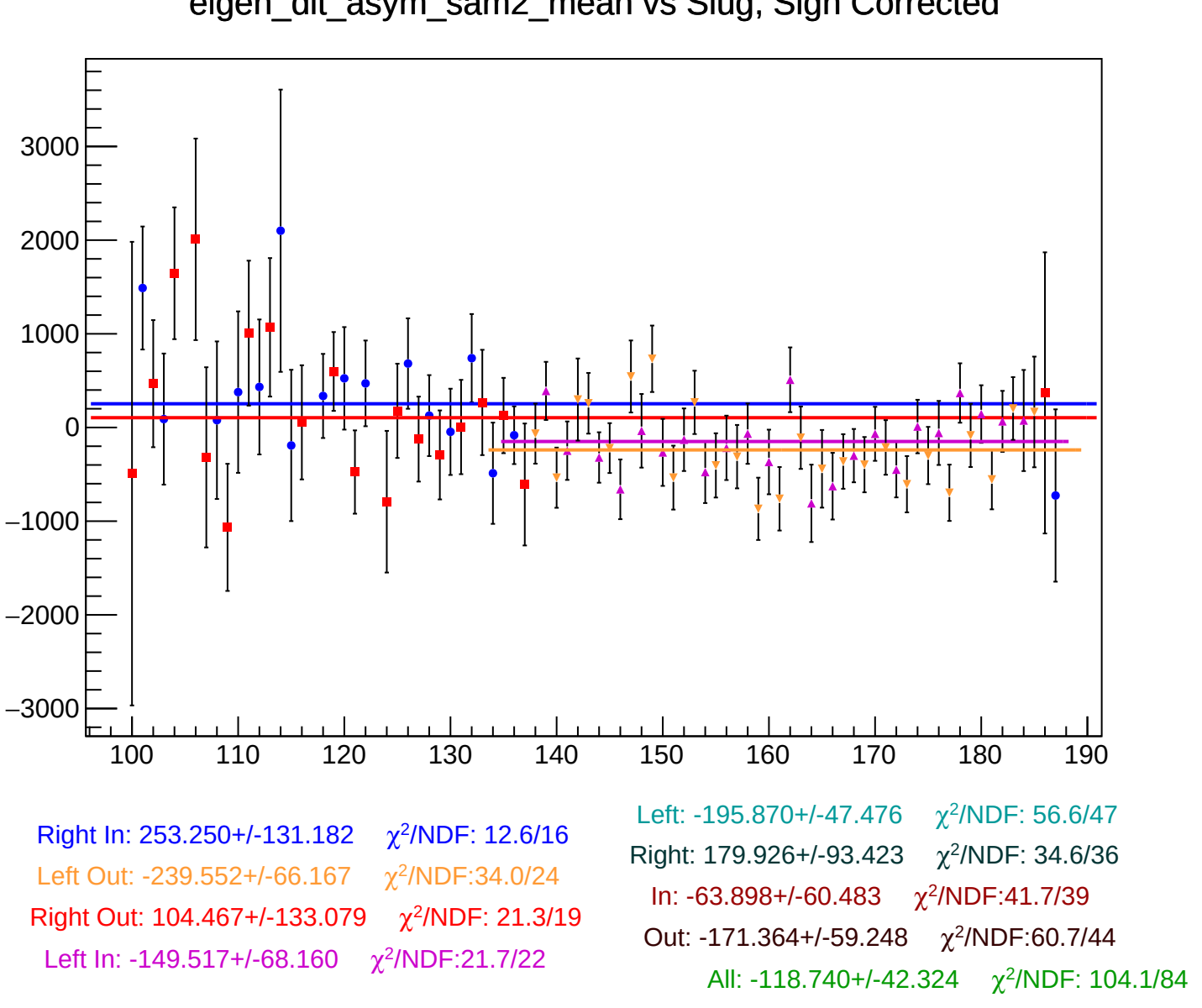
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 3718.726+/-0.708 χ^2/NDF: 2985748.1/36

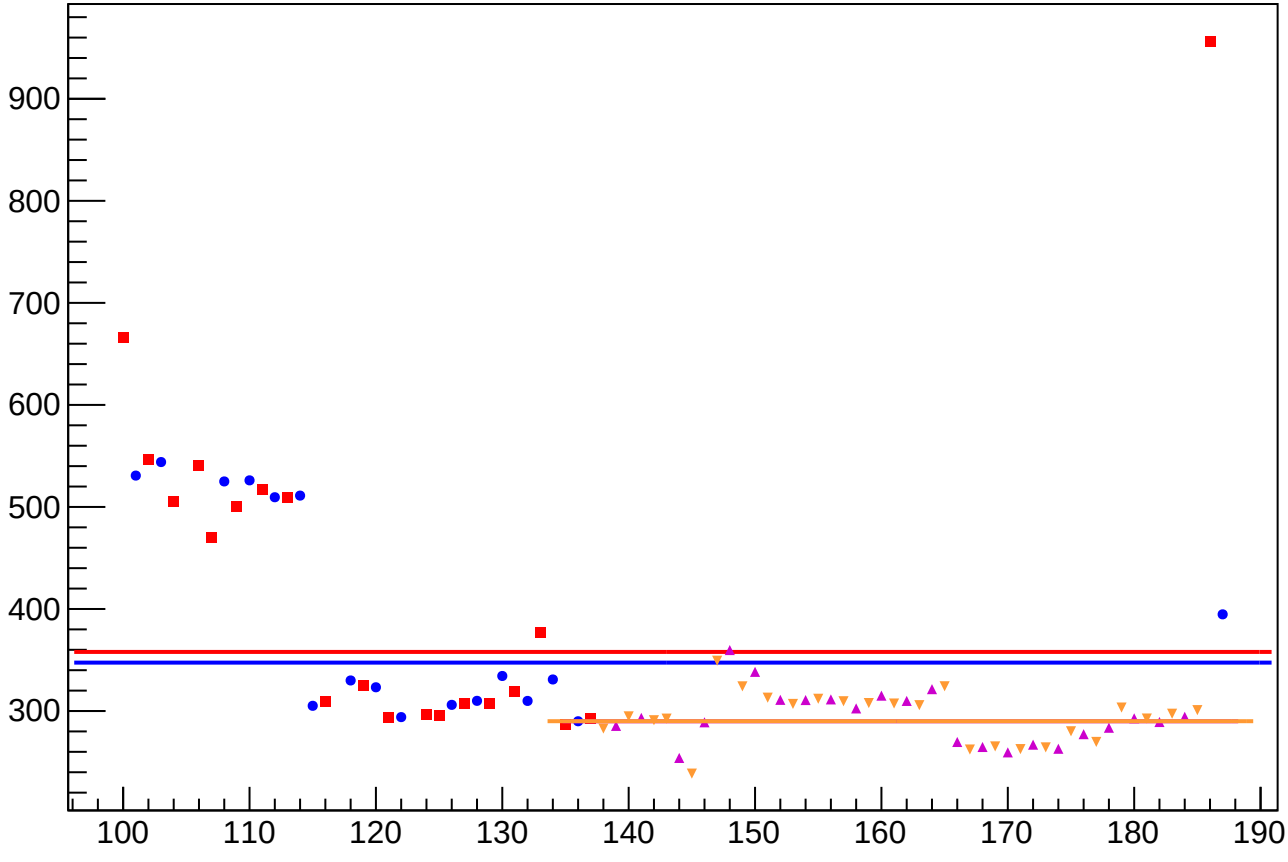
In: 2211.153+/-0.322 χ^2/NDF:4121302.2/39

Out: 2196.731+/-0.313 χ^2/NDF:5236380.8/44

All: 2203.750+/-0.225 χ^2/NDF: 9358713.3/84


eigen_dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: 253.250+/-131.182 χ²/NDF: 12.6/16
Left Out: -239.552+/-66.167 χ²/NDF:34.0/24
Right Out: 104.467+/-133.079 χ²/NDF: 21.3/19
Left In: -149.517+/-68.160 χ²/NDF:21.7/22
Left: -195.870+/-47.476 χ²/NDF: 56.6/47
Right: 179.926+/-93.423 χ²/NDF: 34.6/36
In: -63.898+/-60.483 χ²/NDF:41.7/39
Out: -171.364+/-59.248 χ²/NDF:60.7/44
All: -118.740+/-42.324 χ²/NDF: 104.1/84

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 347.435+/-0.093 χ^2/NDF: 774156.5/16

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 357.917+/-0.094 χ^2/NDF: 1186474.0/19

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

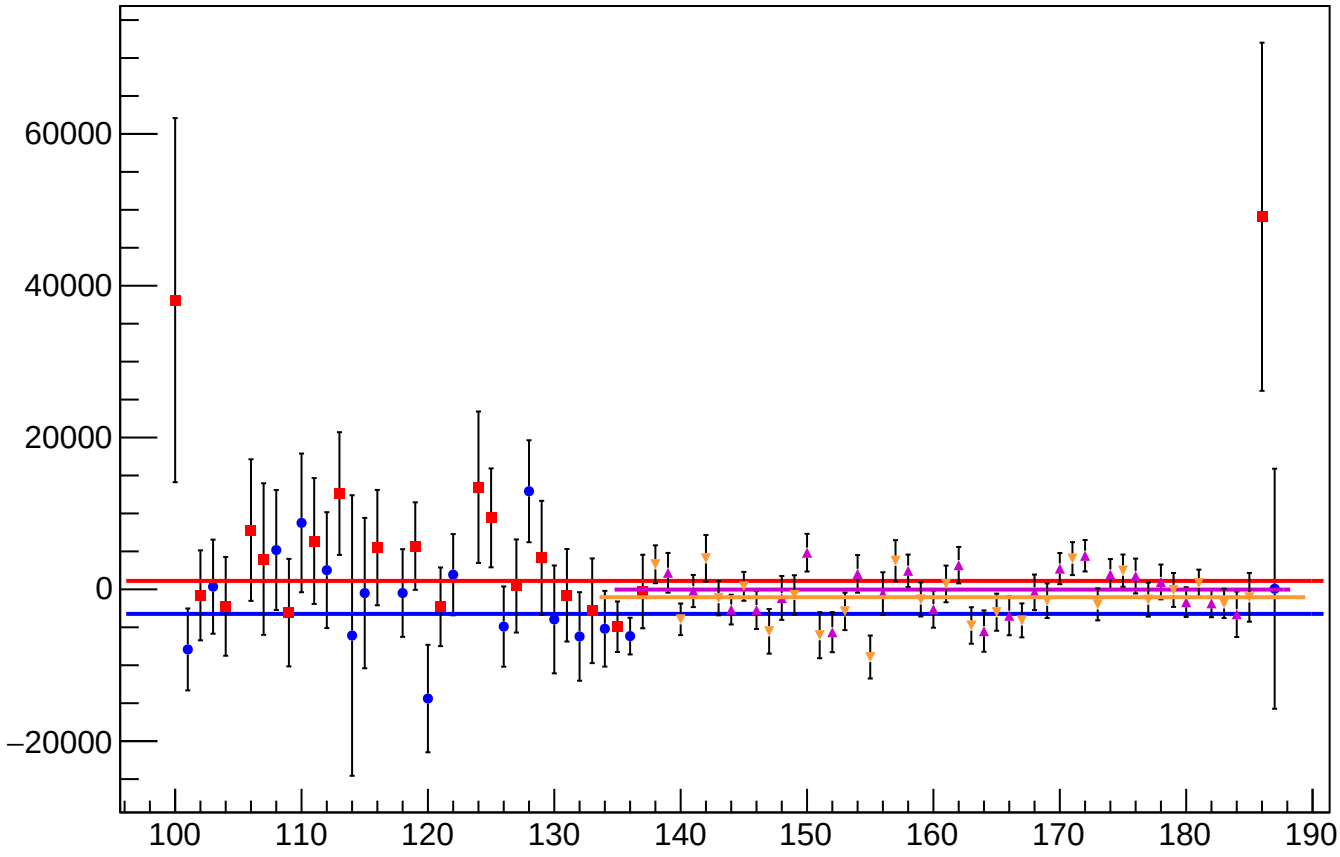
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 352.601+/-0.066 χ^2/NDF: 1966923.0/36

In: 302.163+/-0.043 χ^2/NDF:1346337.0/39

Out: 303.480+/-0.042 χ^2/NDF:1884506.1/44

All: 302.835+/-0.030 χ^2/NDF: 3231327.0/84



Right In: -3233.448+/-1378.865 χ^2/NDF: 16.1/16

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1115.825+/-1457.771 χ^2/NDF: 19.0/19

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

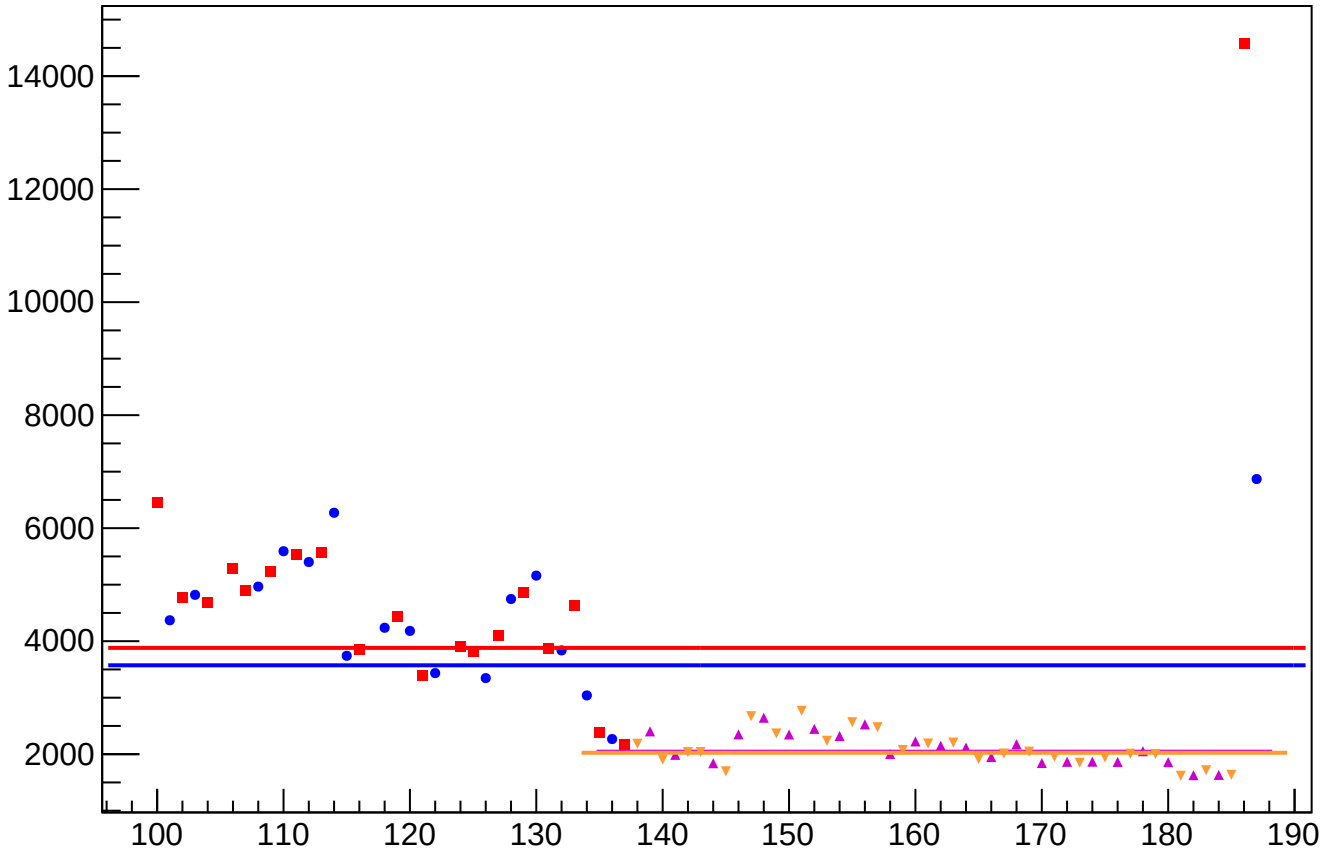
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1179.700+/-1001.739 χ^2/NDF: 39.8/36

In: -379.530+/-455.238 χ^2/NDF:55.0/39

Out: -837.561+/-443.288 χ^2/NDF:61.3/44

All: -614.635+/-317.593 χ^2/NDF: 116.8/84



Right In: 3573.221+/-0.975 χ^2/NDF: 1346047.4/16

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 3881.352+/-1.031 χ^2/NDF: 1592514.6/19

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

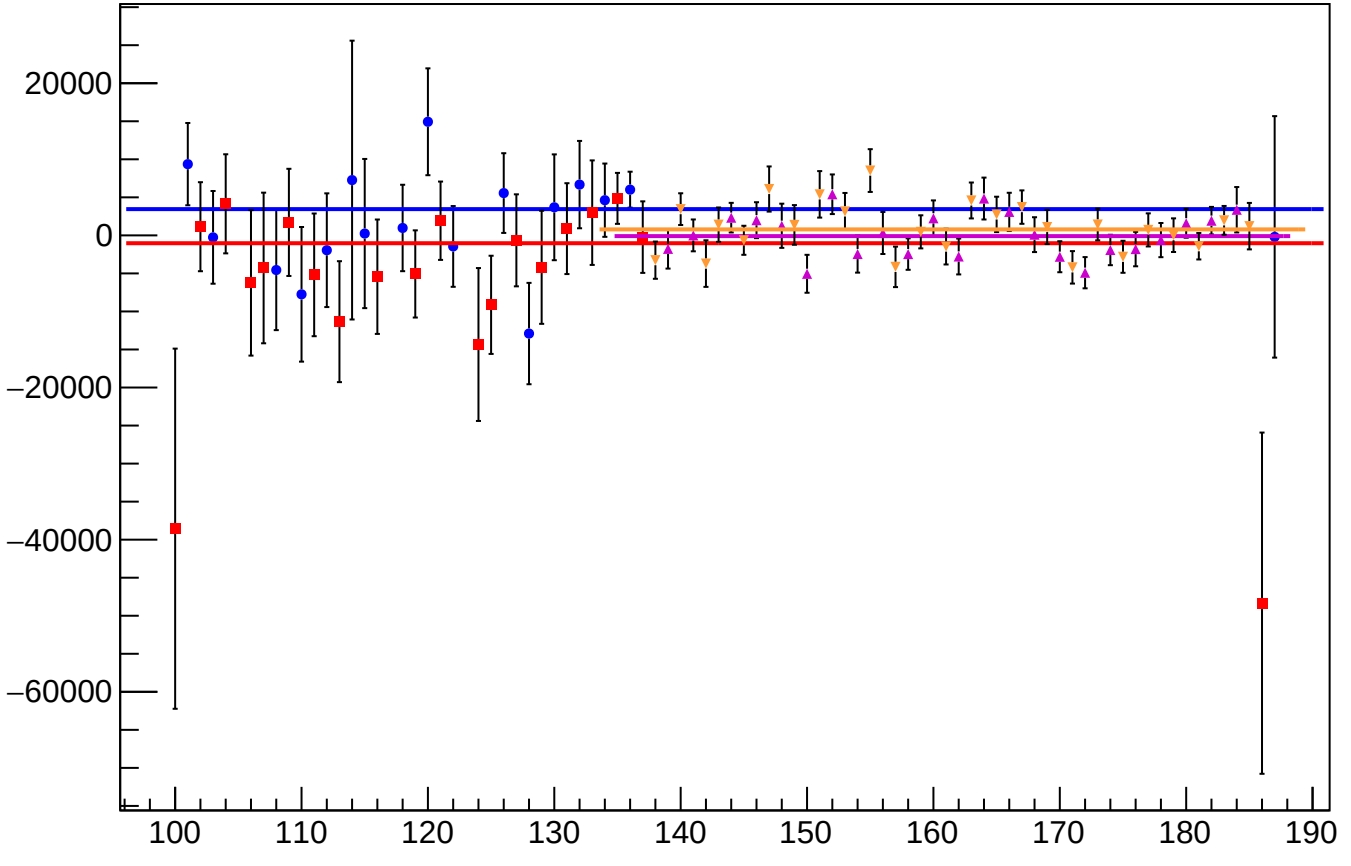
Right: 3718.722+/-0.708 χ^2/NDF: 2985723.6/36

In: 2211.153+/-0.322 χ^2/NDF:4121288.8/39

Out: 2196.732+/-0.313 χ^2/NDF:5236367.0/44

All: 2203.750+/-0.225 χ^2/NDF: 9358685.9/84

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3451.567+/-1355.387 χ^2/NDF: 16.4/16

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1030.271+/-1446.630 χ^2/NDF: 18.5/19

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

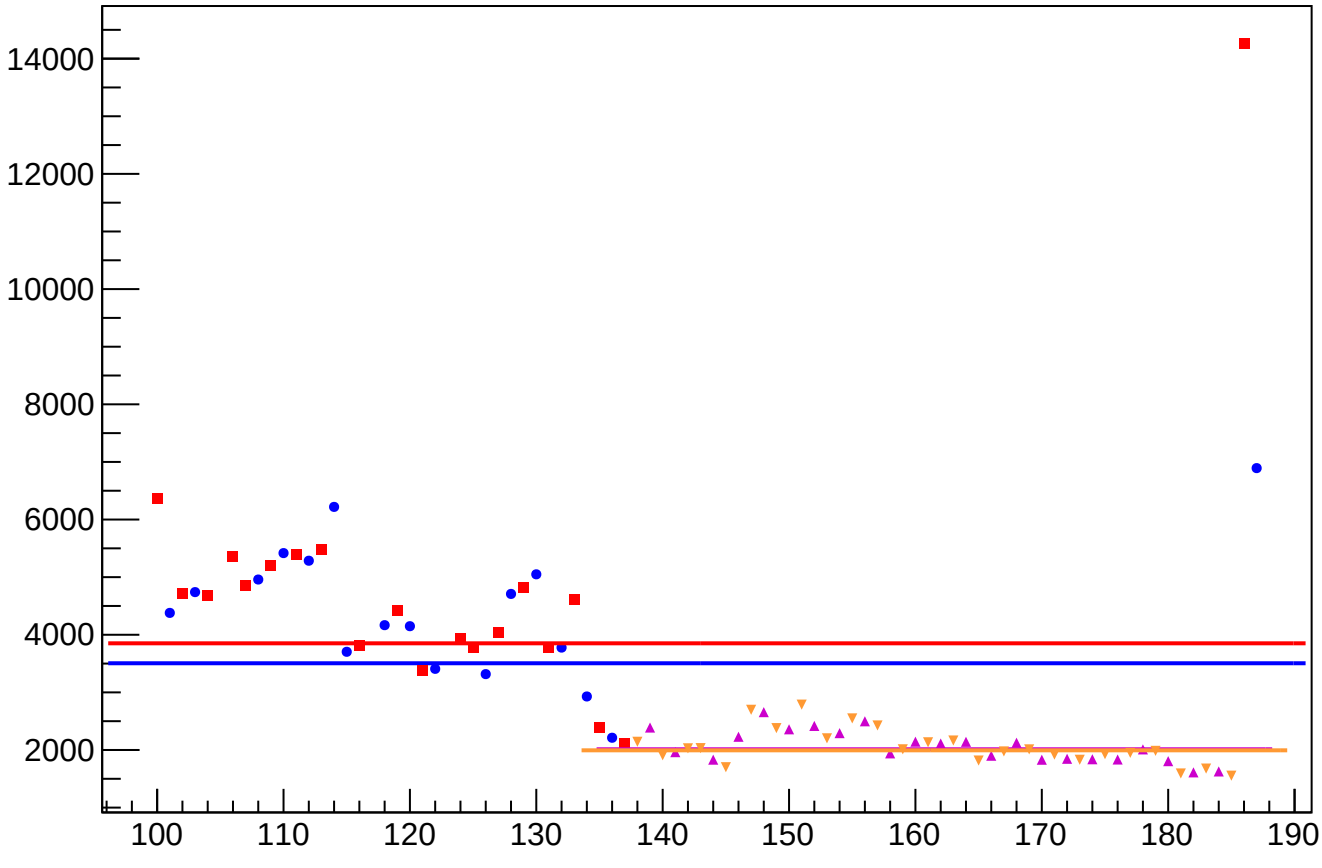
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 1356.437+/-989.088 χ^2/NDF: 40.0/36

In: 291.140+/-448.122 χ^2/NDF:55.3/39

Out: 622.165+/-437.268 χ^2/NDF:61.2/44

All: 460.710+/-312.962 χ^2/NDF: 116.8/84



Right In: 3505.442+/-0.958 χ^2/NDF: 1388400.2/16

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 3851.642+/-1.023 χ^2/NDF: 1580230.3/19

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

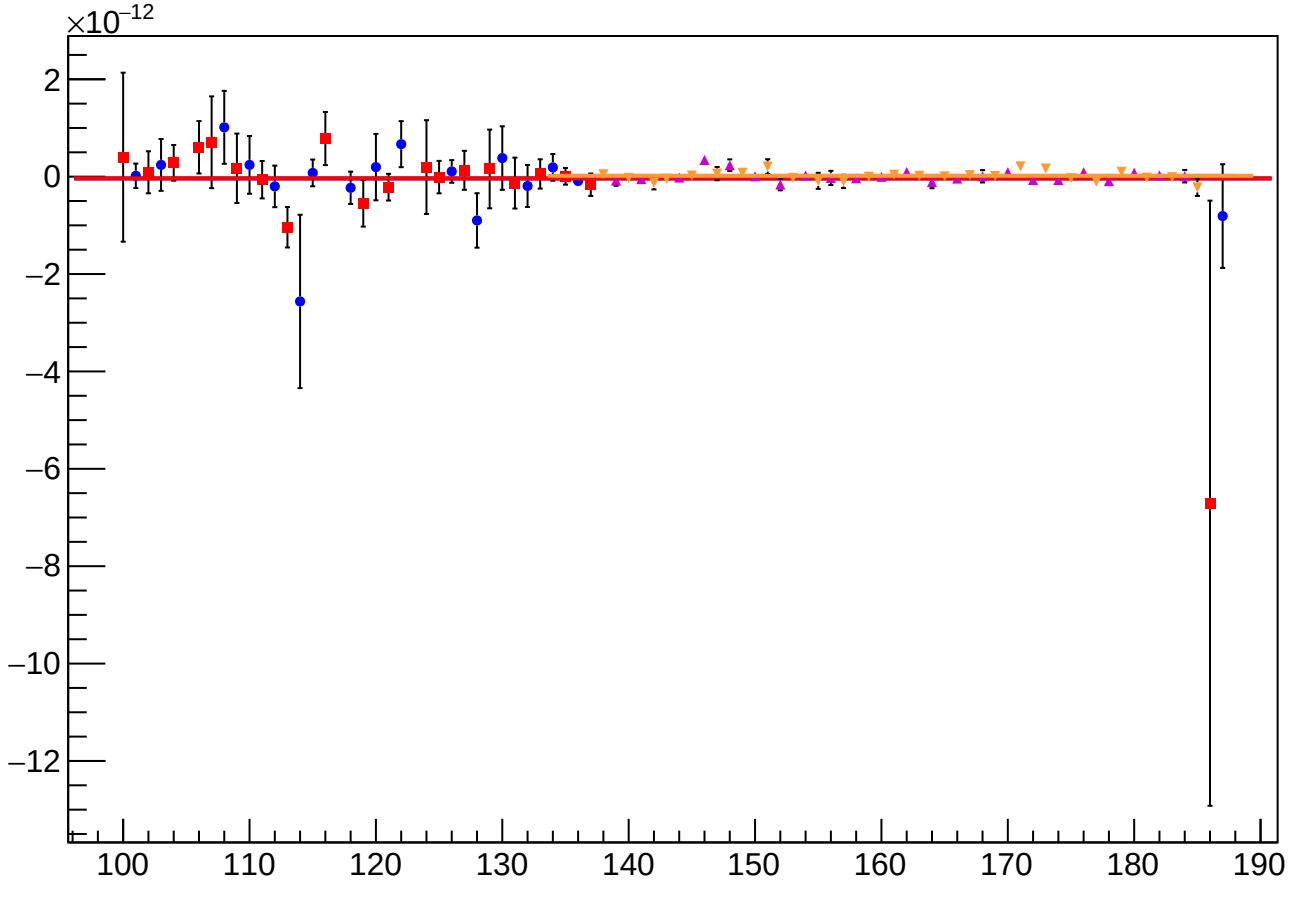
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 3667.280+/-0.699 χ^2/NDF: 3029628.0/36

In: 2175.867+/-0.317 χ^2/NDF:4136406.6/39

Out: 2163.947+/-0.309 χ^2/NDF:5322533.3/44

All: 2169.761+/-0.221 χ^2/NDF: 9459664.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

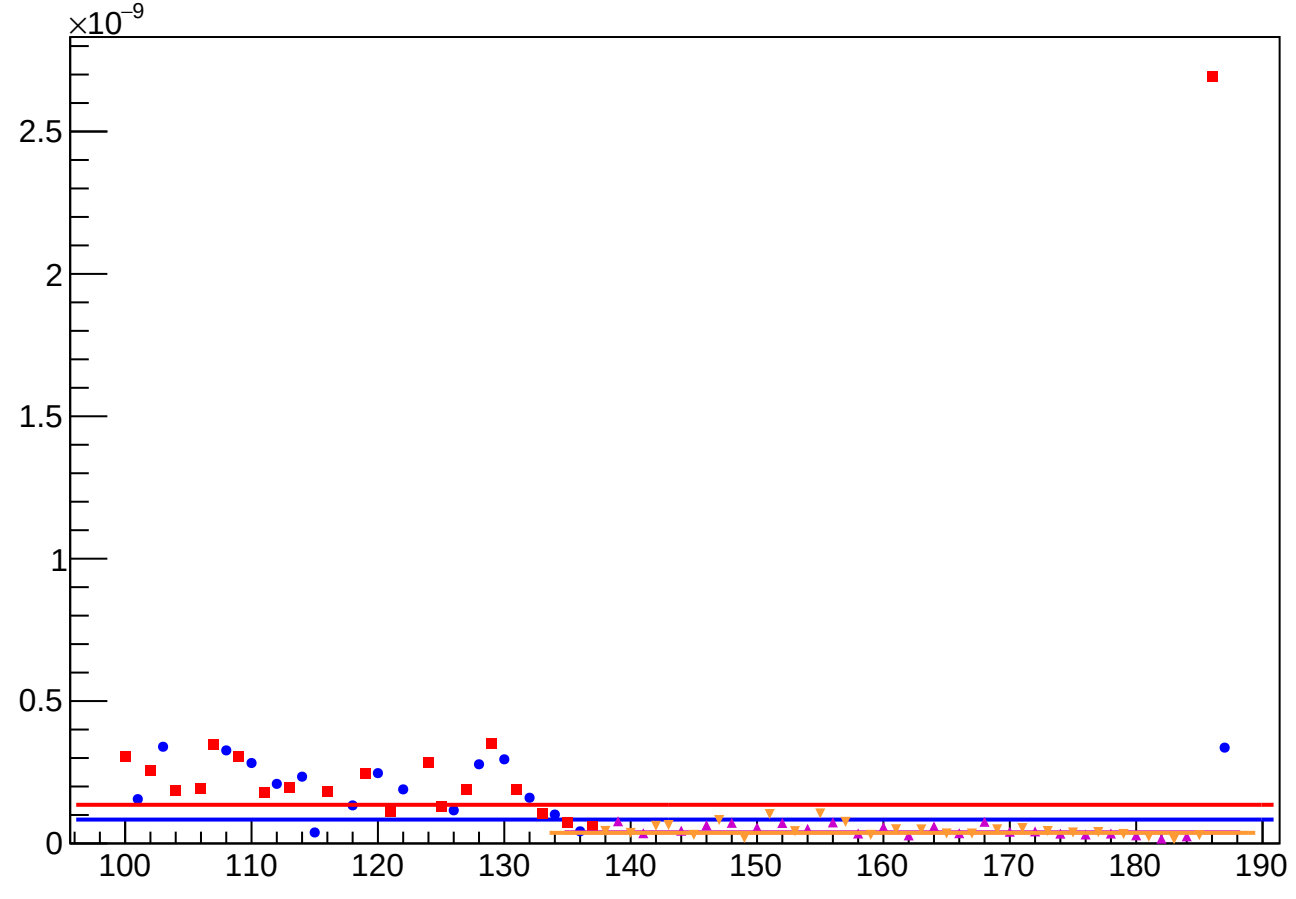
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 27.1/36

In: 0.000+/-0.000 χ^2/NDF:43.8/39

Out: 0.000+/-0.000 χ^2/NDF:36.3/44

All: 0.000+/-0.000 χ^2/NDF: 80.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 2815254.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1740518.0/19

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

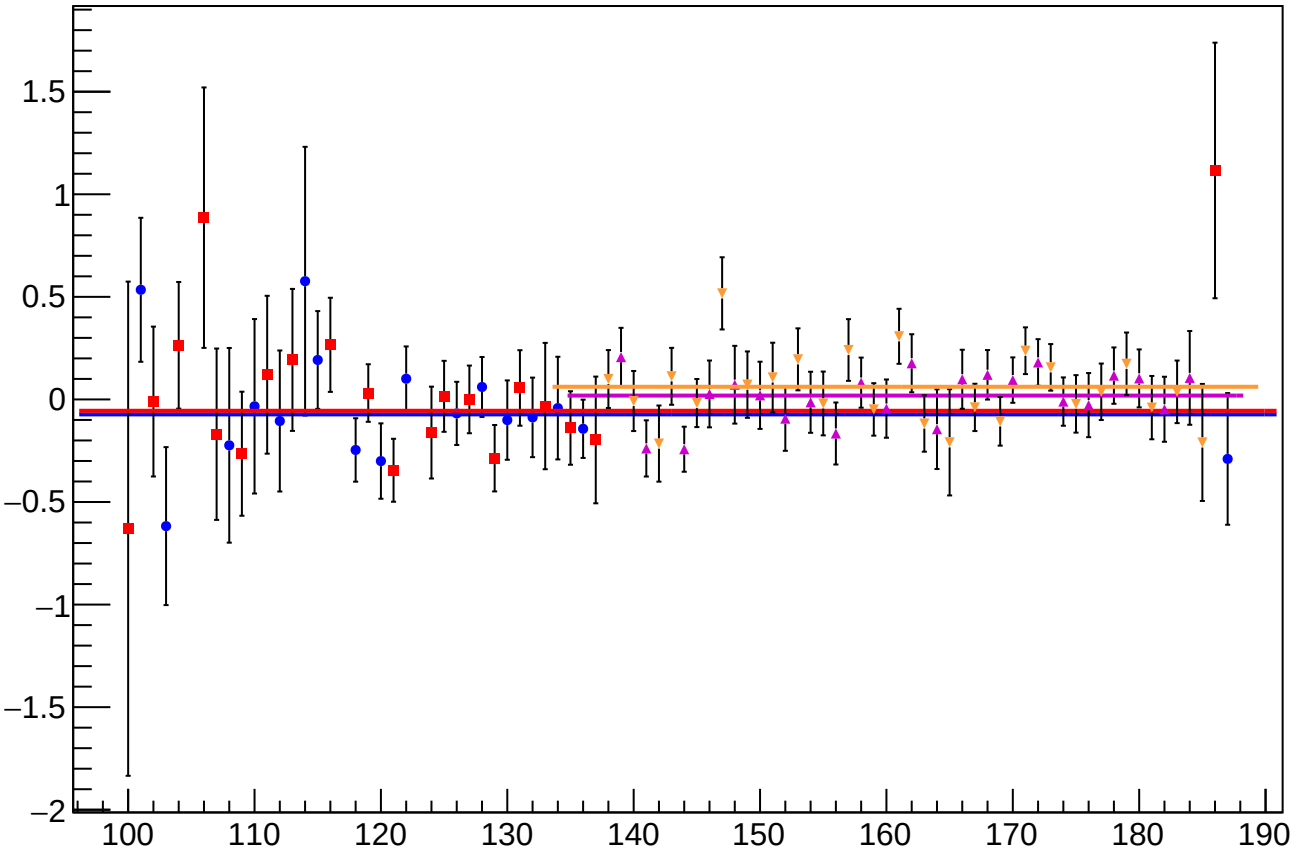
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5051698.6/36

In: 0.000+/-0.000 χ^2/NDF:5753320.8/39

Out: 0.000+/-0.000 χ^2/NDF:6671741.1/44

All: 0.000+/-0.000 χ^2/NDF: 12438678.2/84



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.055+/-0.051 χ^2/NDF: 17.6/19

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

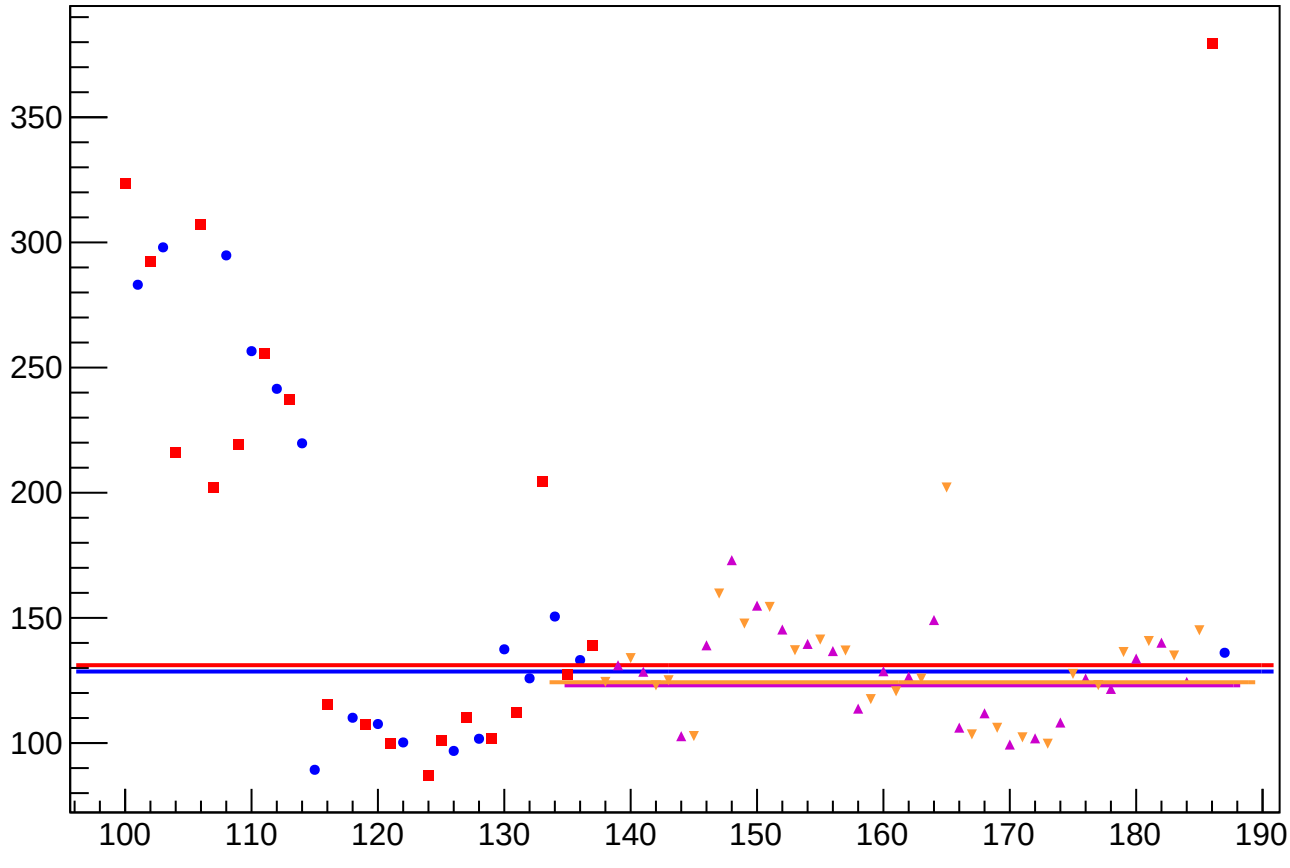
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.064+/-0.036 χ^2/NDF: 30.6/36

In: -0.004+/-0.025 χ^2/NDF:35.7/39

Out: 0.034+/-0.025 χ^2/NDF:49.0/44

All: 0.015+/-0.018 χ^2/NDF: 85.8/84



Right In: 128.575+/-0.036 χ^2/NDF: 1806198.3/16

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 131.104+/-0.036 χ^2/NDF: 2208145.2/19

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

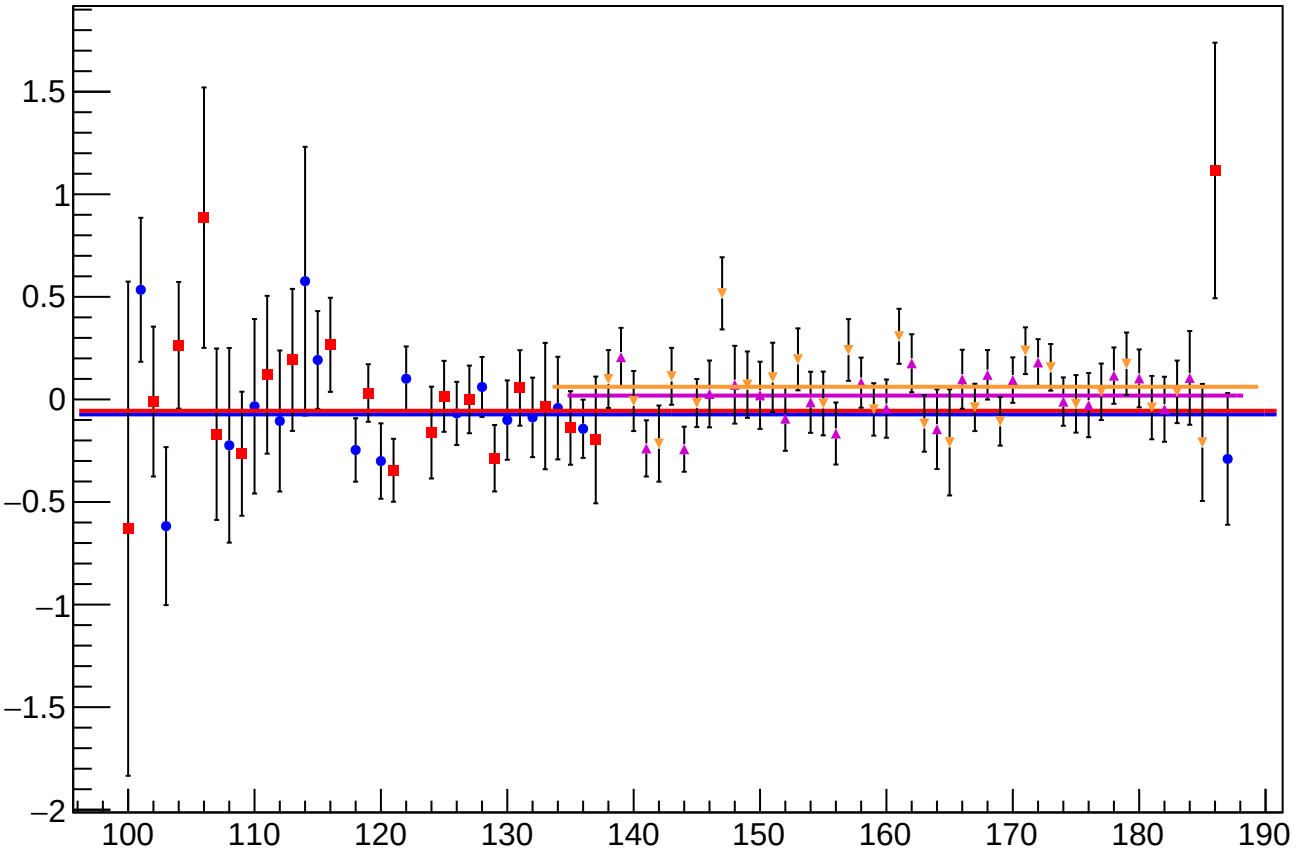
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 129.831+/-0.026 χ^2/NDF: 4016776.0/36

In: 124.428+/-0.018 χ^2/NDF:2542524.8/39

Out: 125.907+/-0.018 χ^2/NDF:3075883.1/44

All: 125.179+/-0.013 χ^2/NDF: 5621841.7/84



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.055+/-0.051 χ^2/NDF: 17.6/19

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

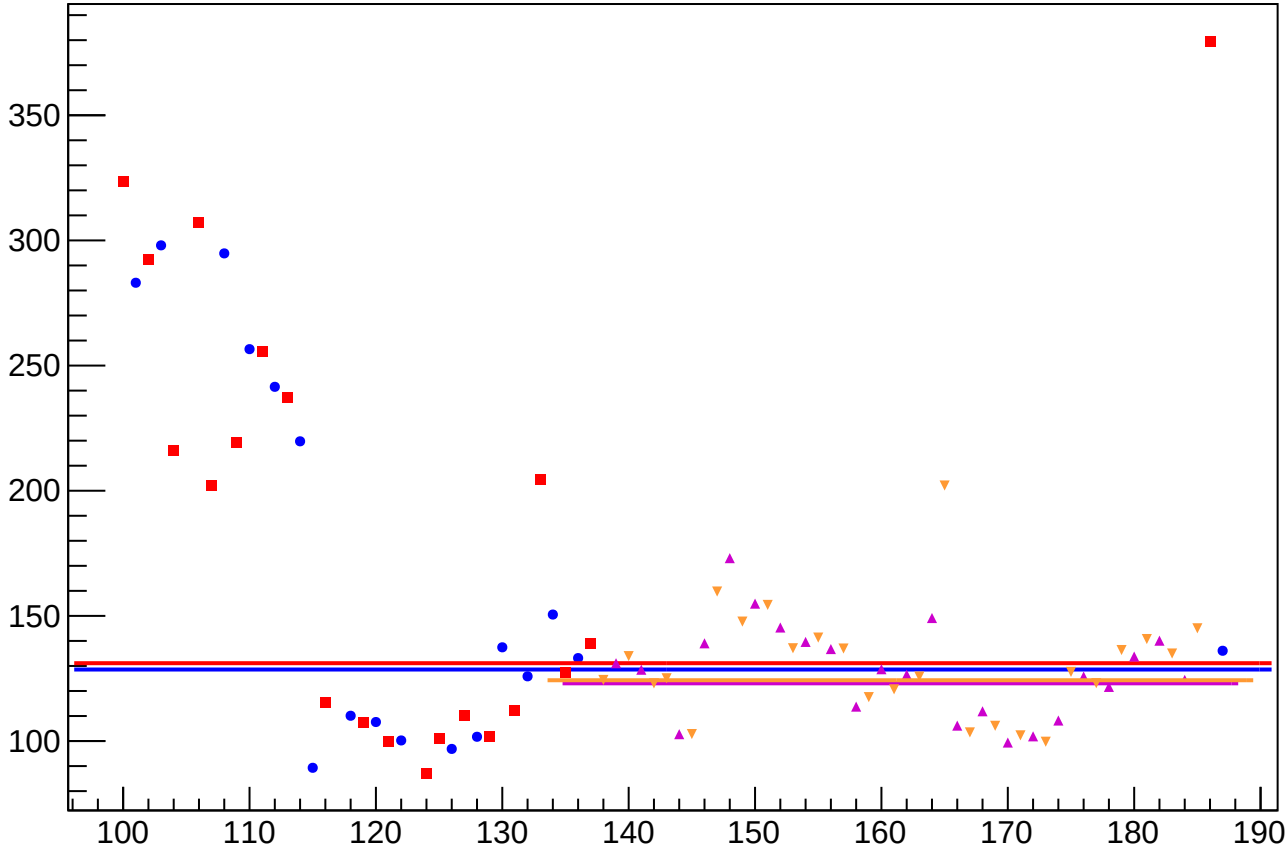
Right: -0.064+/-0.036 χ^2/NDF: 30.6/36

In: -0.004+/-0.025 χ^2/NDF:35.7/39

Out: 0.034+/-0.025 χ^2/NDF:49.0/44

All: 0.015+/-0.018 χ^2/NDF: 85.8/84

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.575+/-0.036 χ^2/NDF: 1806198.3/16

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 131.104+/-0.036 χ^2/NDF: 2208145.2/19

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

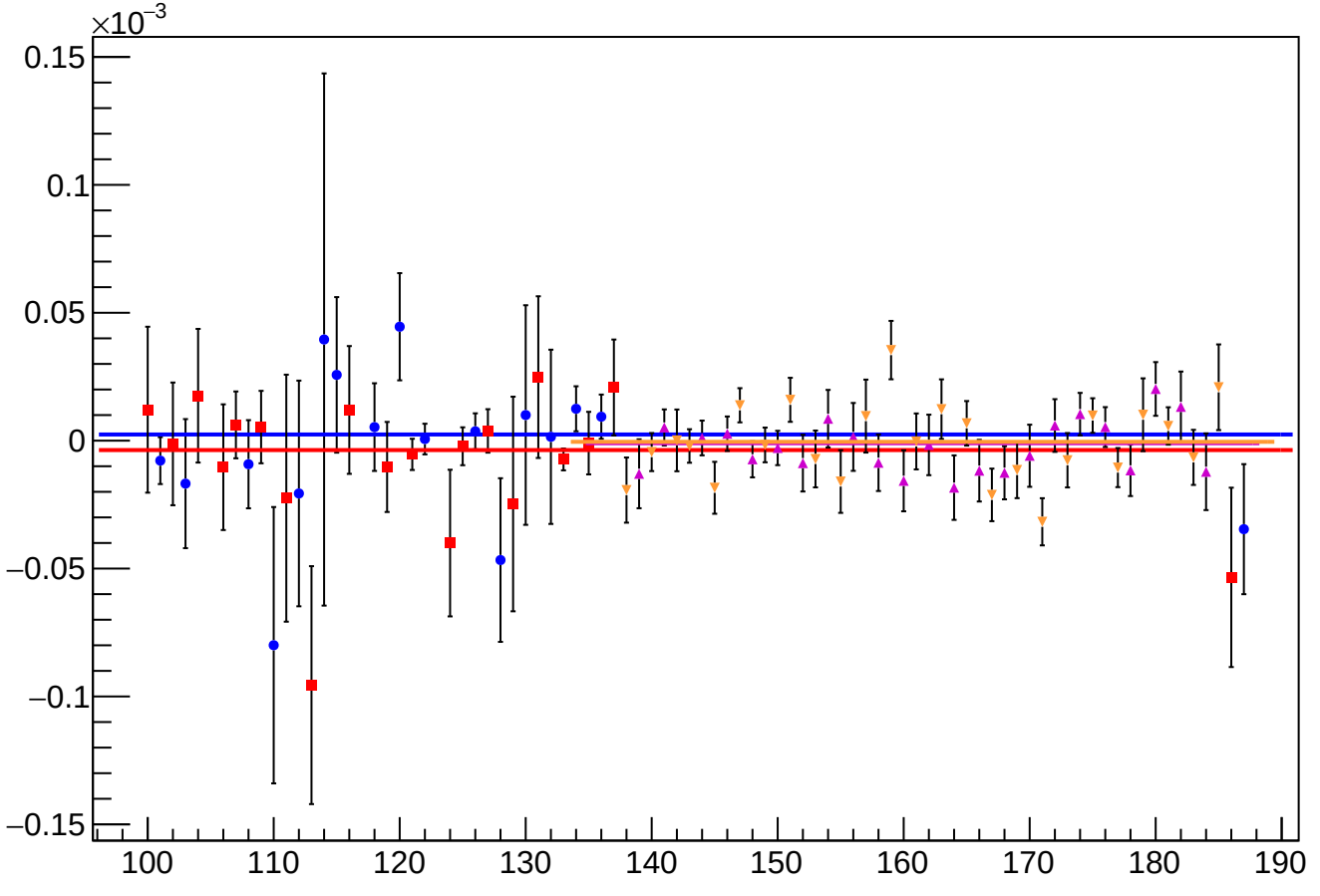
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 129.831+/-0.026 χ^2/NDF: 4016776.0/36

In: 124.428+/-0.018 χ^2/NDF:2542524.8/39

Out: 125.907+/-0.018 χ^2/NDF:3075883.1/44

All: 125.179+/-0.013 χ^2/NDF: 5621841.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/19

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

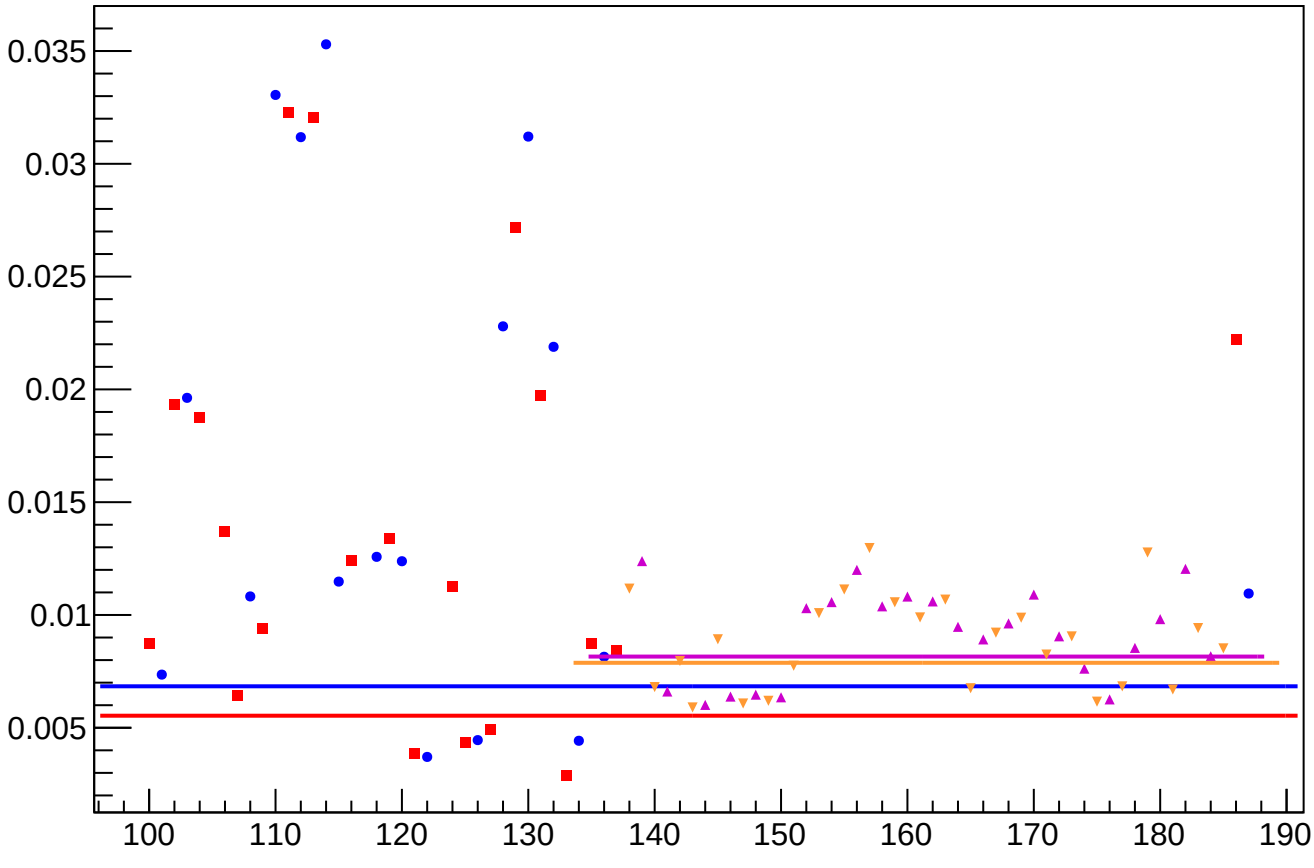
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 33.1/36

In: -0.000+/-0.000 χ^2/NDF:37.0/39

Out: -0.000+/-0.000 χ^2/NDF:68.1/44

All: -0.000+/-0.000 χ^2/NDF: 105.6/84



Right In: 0.007+/-0.000 χ^2/NDF: 4825423.5/16

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6028057.8/19

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

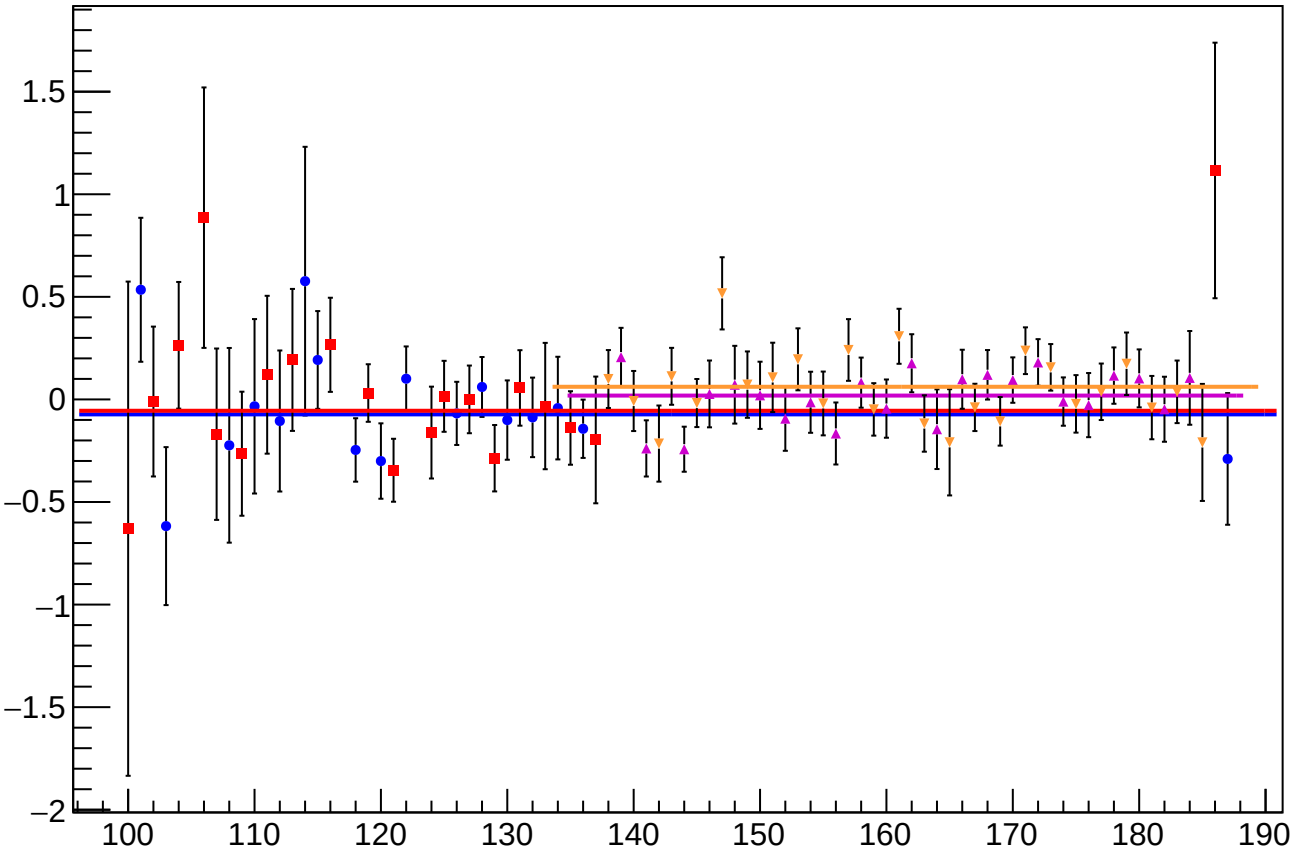
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.006+/-0.000 χ^2/NDF: 11060591.3/36

In: 0.008+/-0.000 χ^2/NDF:7097339.7/39

Out: 0.007+/-0.000 χ^2/NDF:9191159.8/44

All: 0.007+/-0.000 χ^2/NDF: 16476778.2/84



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.055+/-0.051 χ^2/NDF: 17.6/19

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

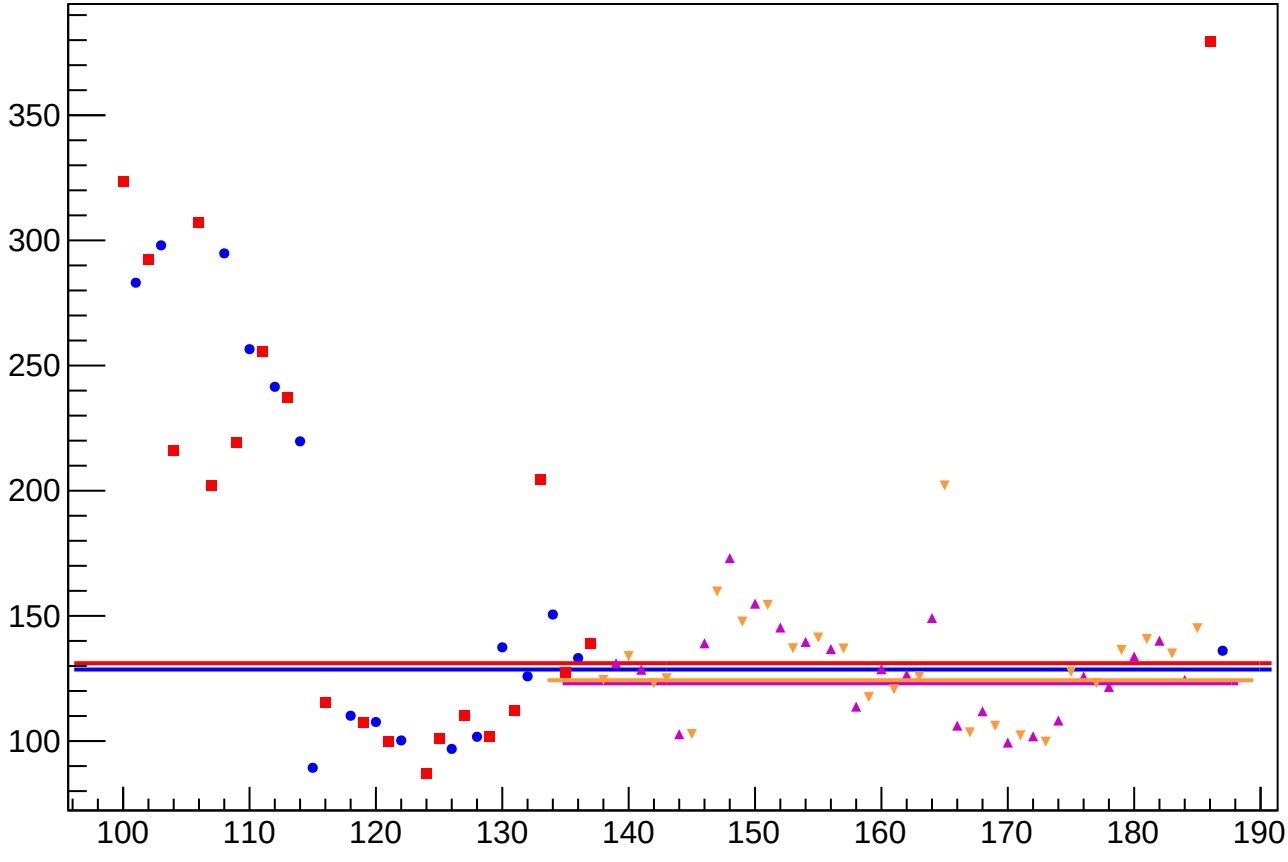
Right: -0.064+/-0.036 χ^2/NDF: 30.6/36

In: -0.004+/-0.025 χ^2/NDF:35.7/39

Out: 0.034+/-0.025 χ^2/NDF:49.0/44

All: 0.015+/-0.018 χ^2/NDF: 85.8/84

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.572+/-0.036 χ^2/NDF: 1806148.2/16

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 131.101+/-0.036 χ^2/NDF: 2208141.3/19

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

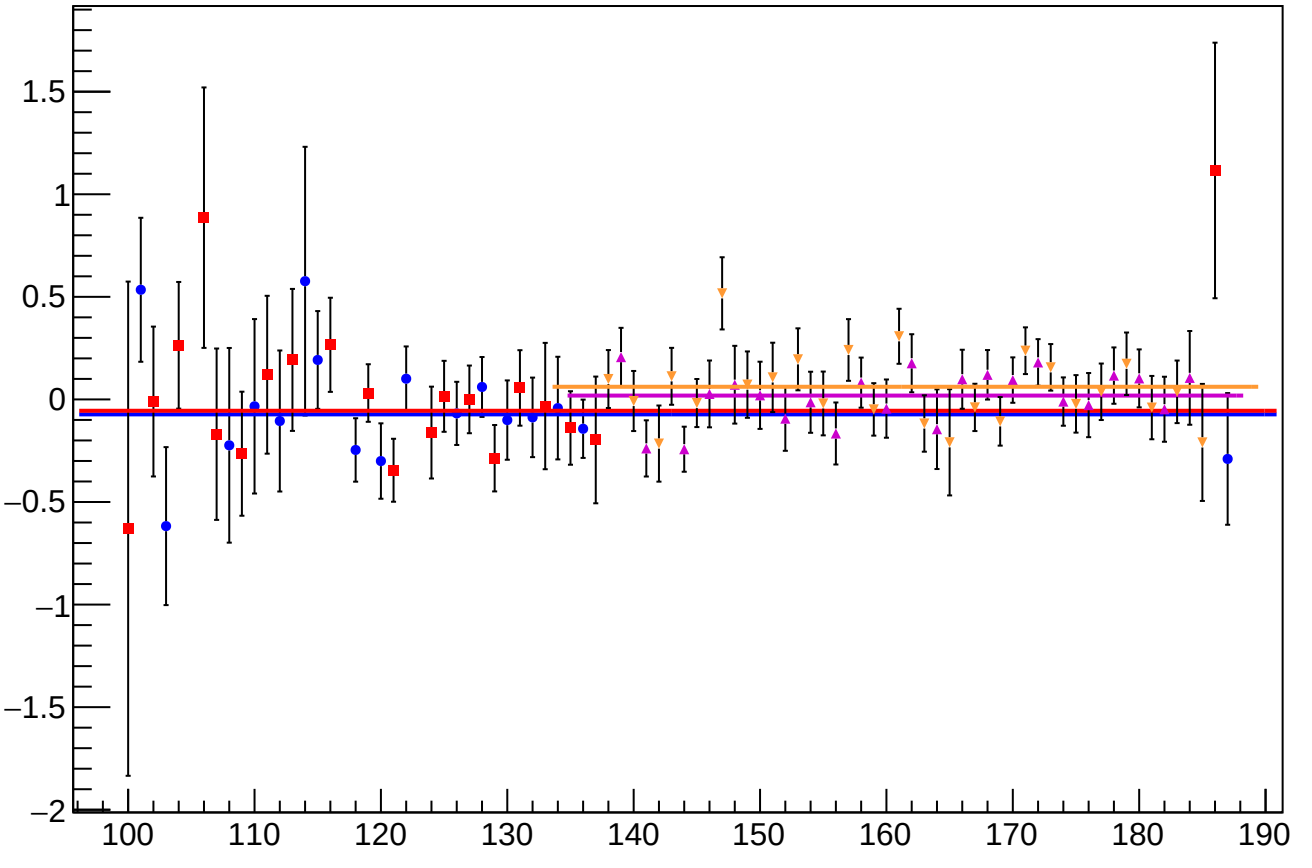
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 129.828+/-0.026 χ^2/NDF: 4016721.6/36

In: 124.427+/-0.018 χ^2/NDF:2542481.9/39

Out: 125.906+/-0.018 χ^2/NDF:3075908.9/44

All: 125.178+/-0.013 χ^2/NDF: 5621824.8/84



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.055+/-0.051 χ^2/NDF: 17.6/19

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

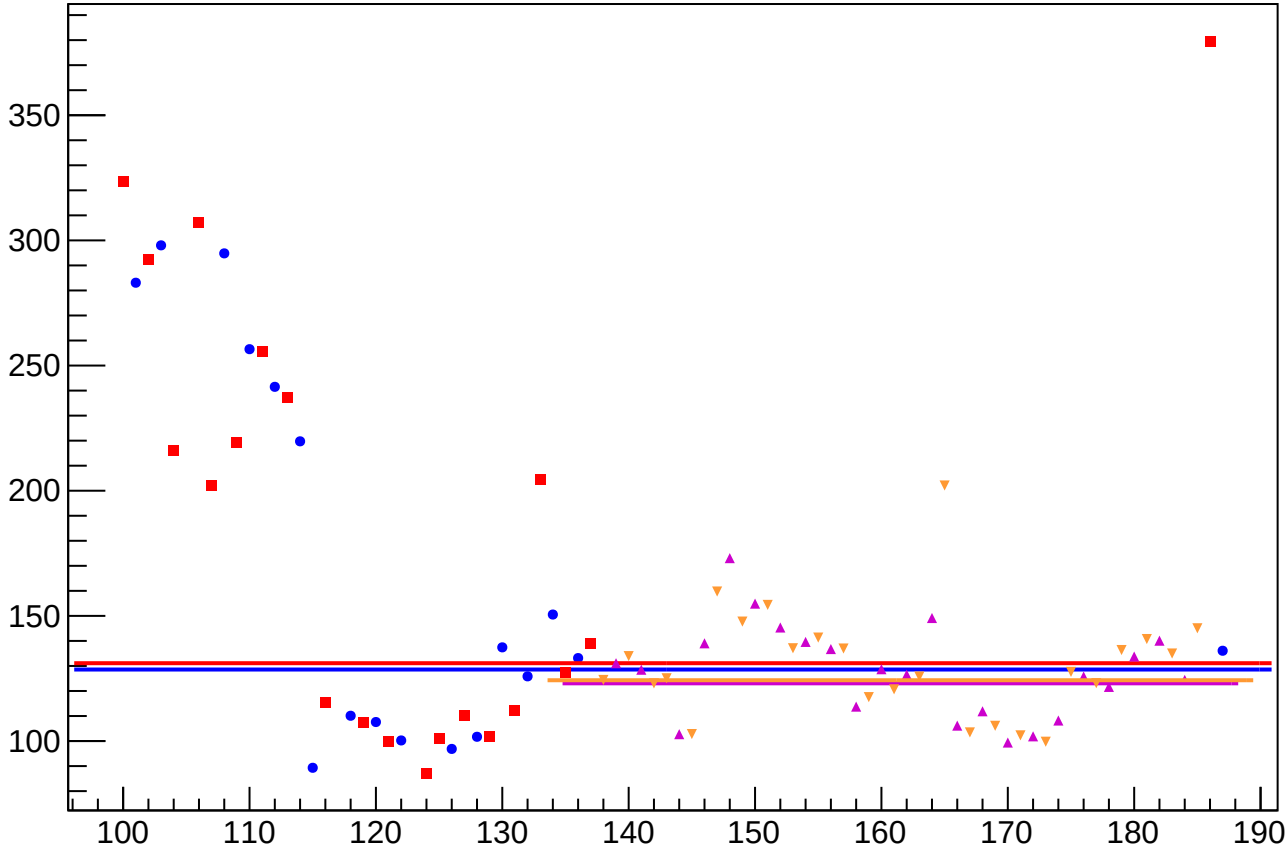
Right: -0.064+/-0.036 χ^2/NDF: 30.6/36

In: -0.004+/-0.025 χ^2/NDF:35.7/39

Out: 0.034+/-0.025 χ^2/NDF:49.0/44

All: 0.015+/-0.018 χ^2/NDF: 85.8/84

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.572+/-0.036 χ^2/NDF: 1806148.2/16

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 131.101+/-0.036 χ^2/NDF: 2208141.3/19

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

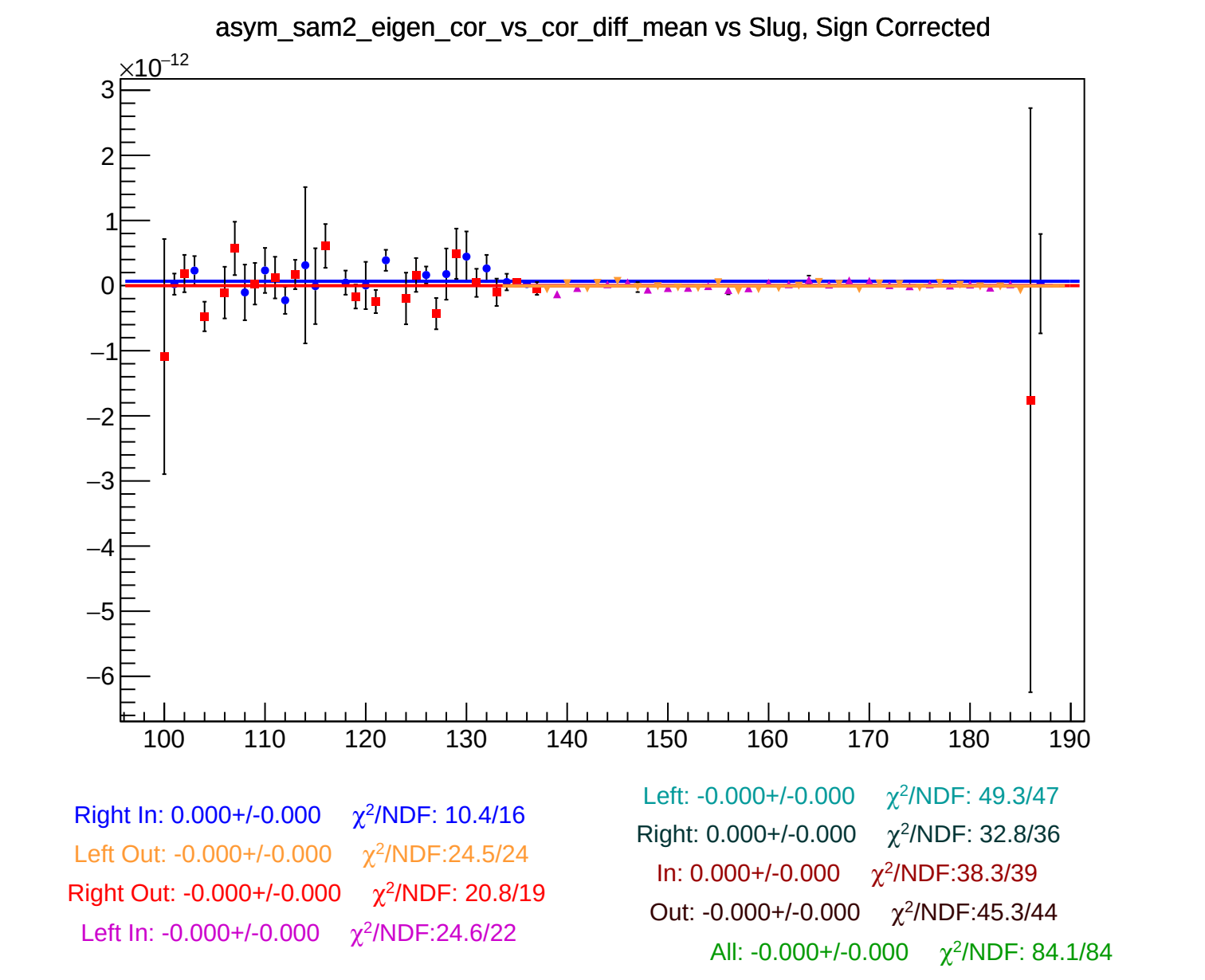
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 129.828+/-0.026 χ^2/NDF: 4016721.6/36

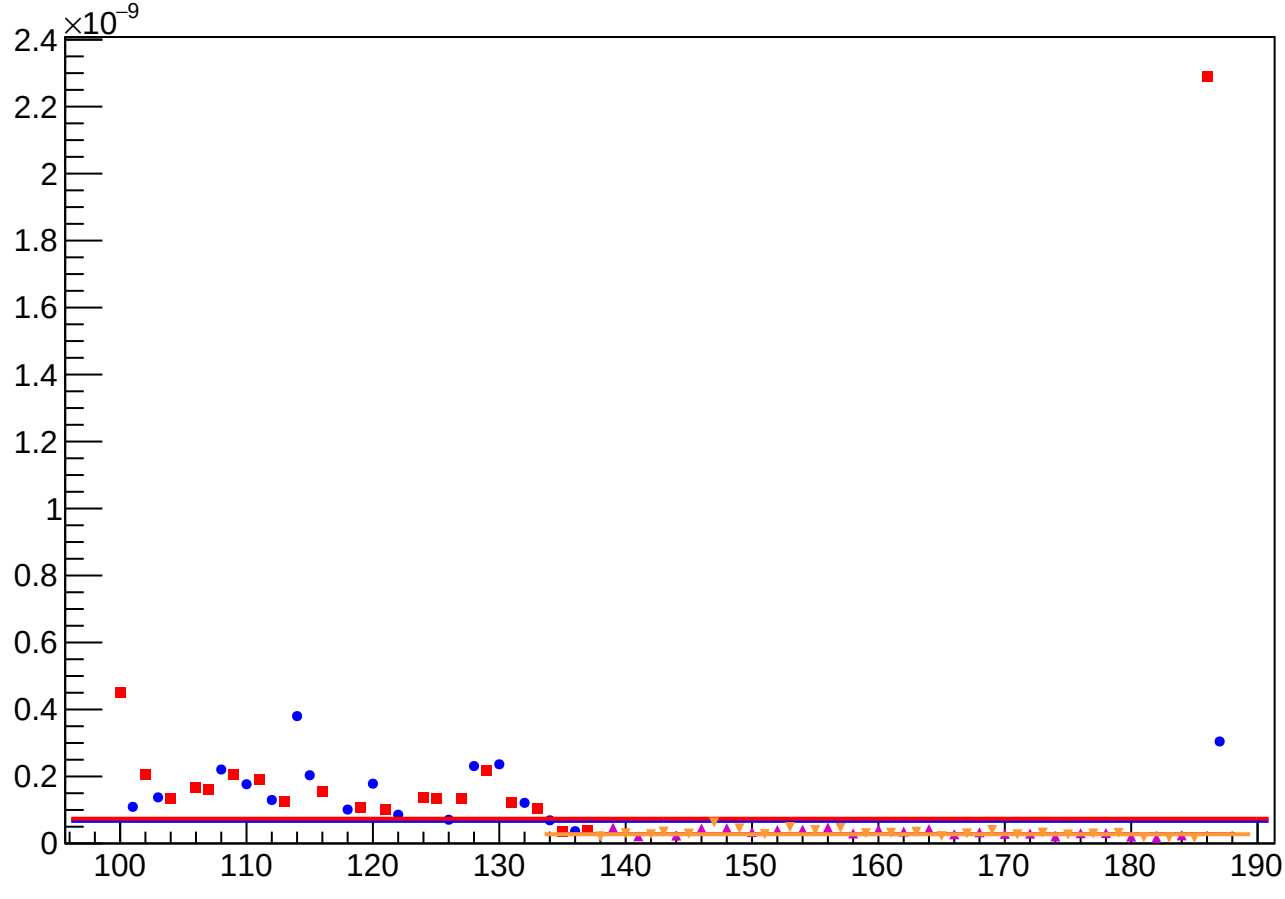
In: 124.427+/-0.018 χ^2/NDF:2542481.9/39

Out: 125.906+/-0.018 χ^2/NDF:3075908.9/44

All: 125.178+/-0.013 χ^2/NDF: 5621824.8/84


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.4/16
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.8/19
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 32.8/36
In: 0.000+/-0.000 χ²/NDF:38.3/39
Out: -0.000+/-0.000 χ²/NDF:45.3/44
All: -0.000+/-0.000 χ²/NDF: 84.1/84

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3373958.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4142443.4/19

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

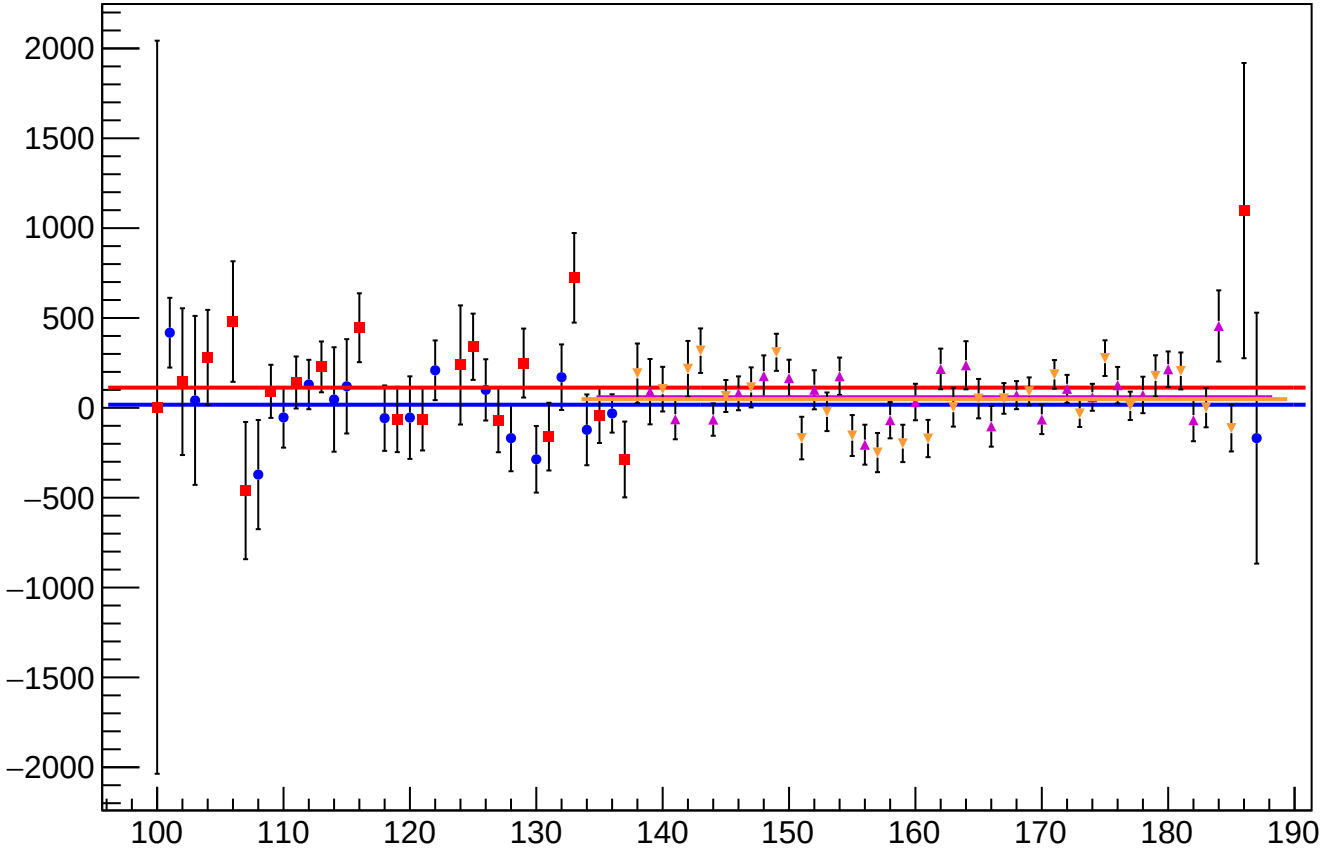
Right: 0.000+/-0.000 χ^2/NDF: 7544077.2/36

In: 0.000+/-0.000 χ^2/NDF:7817169.0/39

Out: 0.000+/-0.000 χ^2/NDF:9201059.2/44

All: 0.000+/-0.000 χ^2/NDF: 17031332.1/84

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 17.407+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 112.498+/-45.754 χ^2/NDF: 26.9/19

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

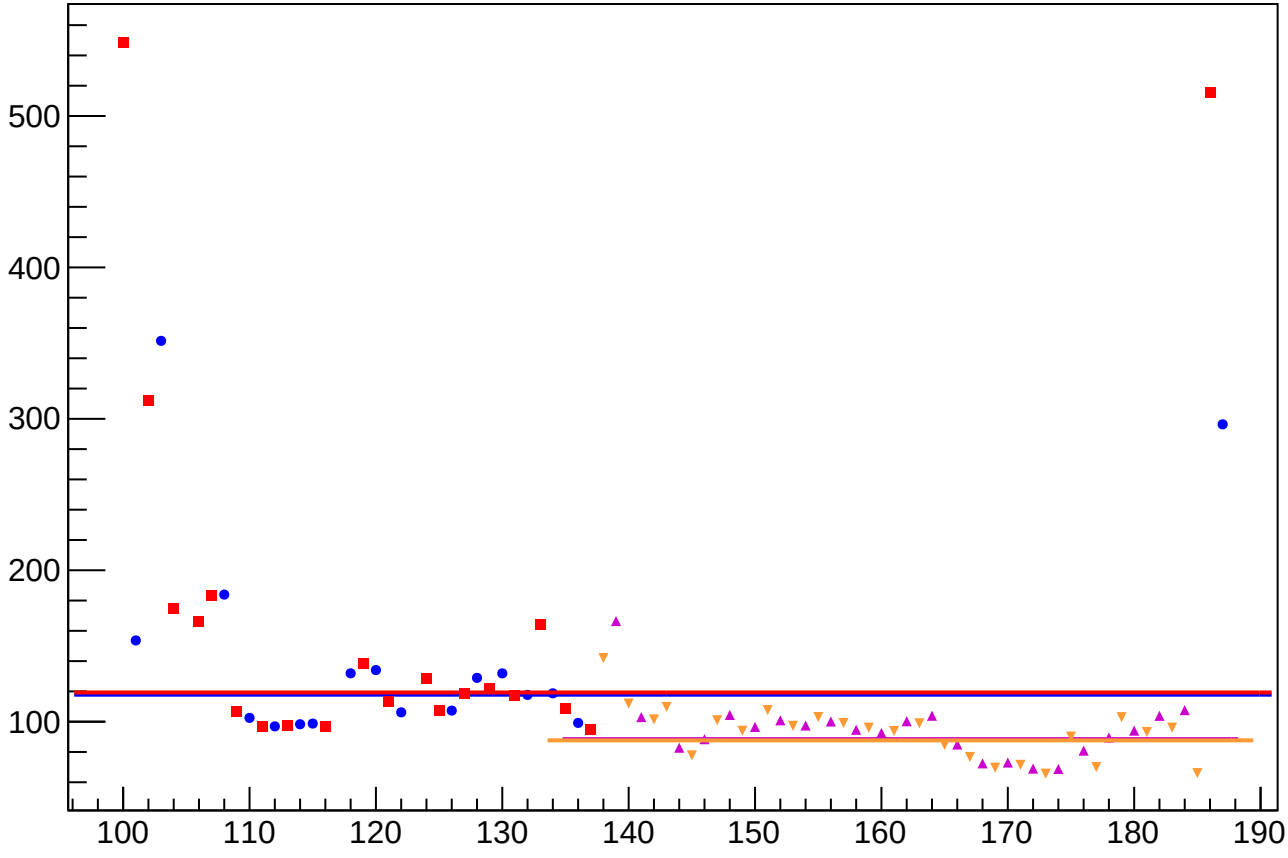
Right: 64.799+/-32.300 χ^2/NDF: 43.0/36

In: 51.646+/-19.192 χ^2/NDF:45.2/39

Out: 59.043+/-18.649 χ^2/NDF:82.1/44

All: 55.450+/-13.375 χ^2/NDF: 127.4/84

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.828+/-0.032 χ^2/NDF: 989749.3/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 119.291+/-0.032 χ^2/NDF: 1457629.7/19

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

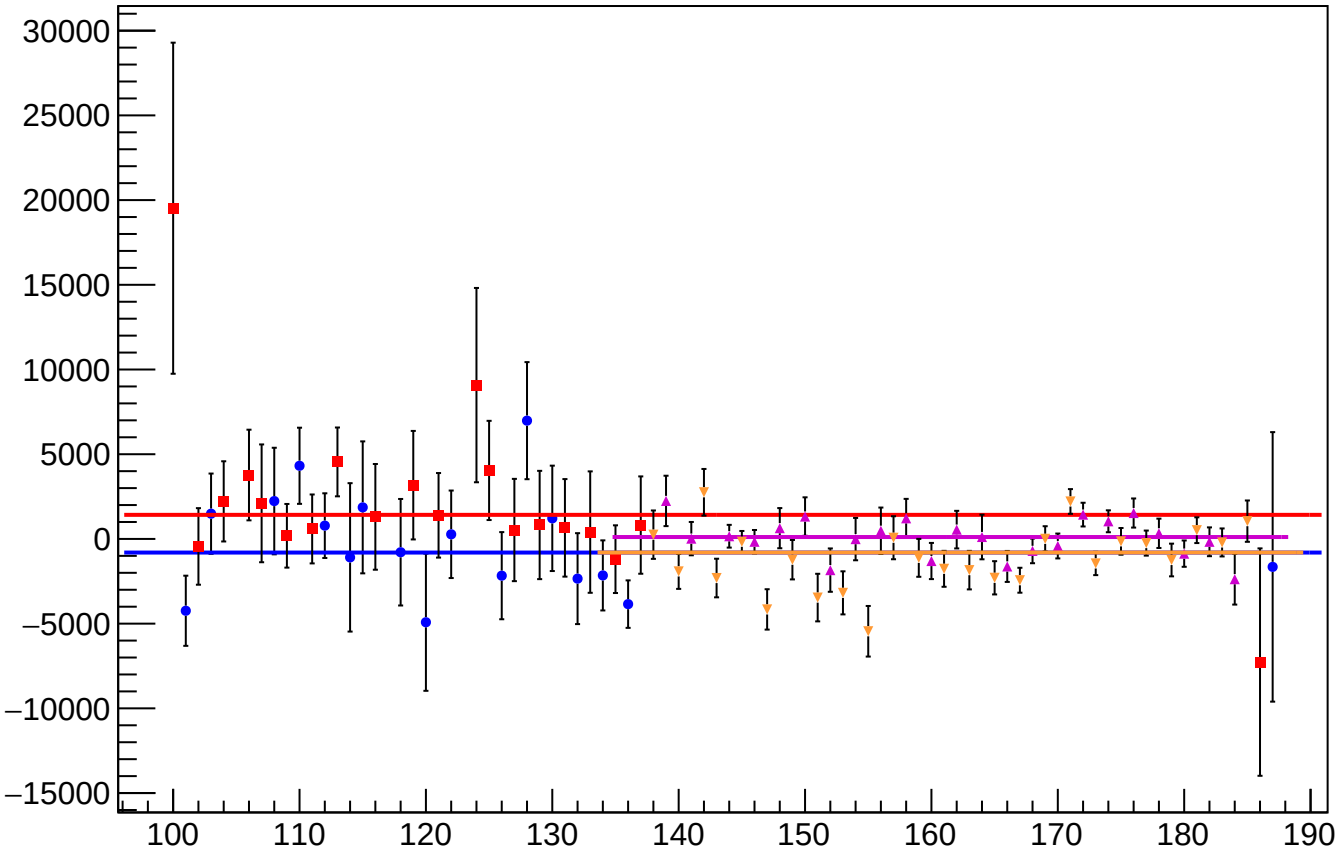
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 118.557+/-0.023 χ^2/NDF: 2448404.9/36

In: 93.679+/-0.014 χ^2/NDF:2746847.2/39

Out: 92.912+/-0.013 χ^2/NDF:3468179.7/44

All: 93.284+/-0.009 χ^2/NDF: 6216670.7/84



Right In: -804.206+/-614.170 χ^2/NDF: 23.5/16

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1421.375+/-610.555 χ^2/NDF: 14.6/19

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

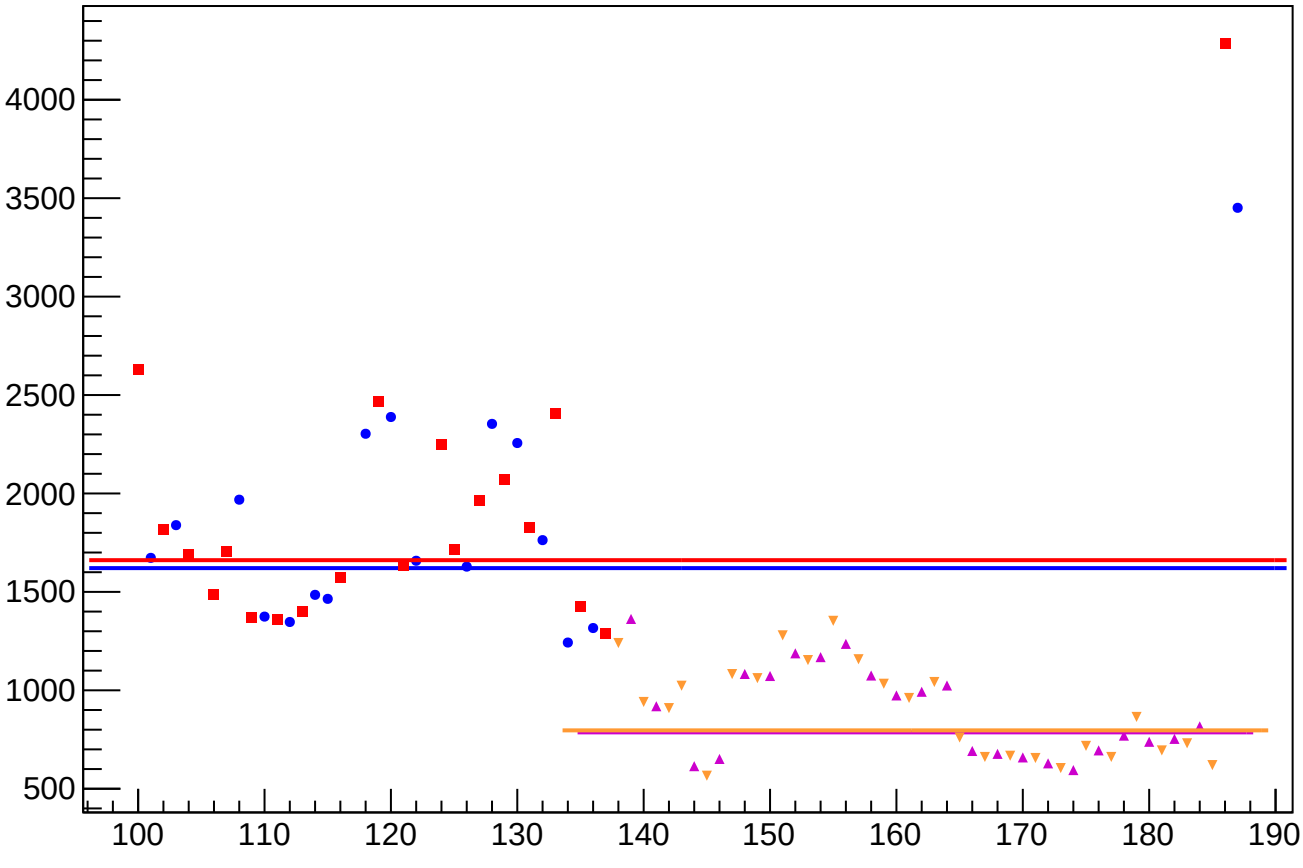
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 315.155+/-433.000 χ^2/NDF: 44.7/36

In: 32.208+/-181.748 χ^2/NDF:52.6/39

Out: -609.458+/-179.461 χ^2/NDF:98.6/44

All: -292.686+/-127.699 χ^2/NDF: 157.5/84



Right In: 1620.759+/-0.434 χ^2/NDF: 725668.4/16

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1661.138+/-0.432 χ^2/NDF: 828469.2/19

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

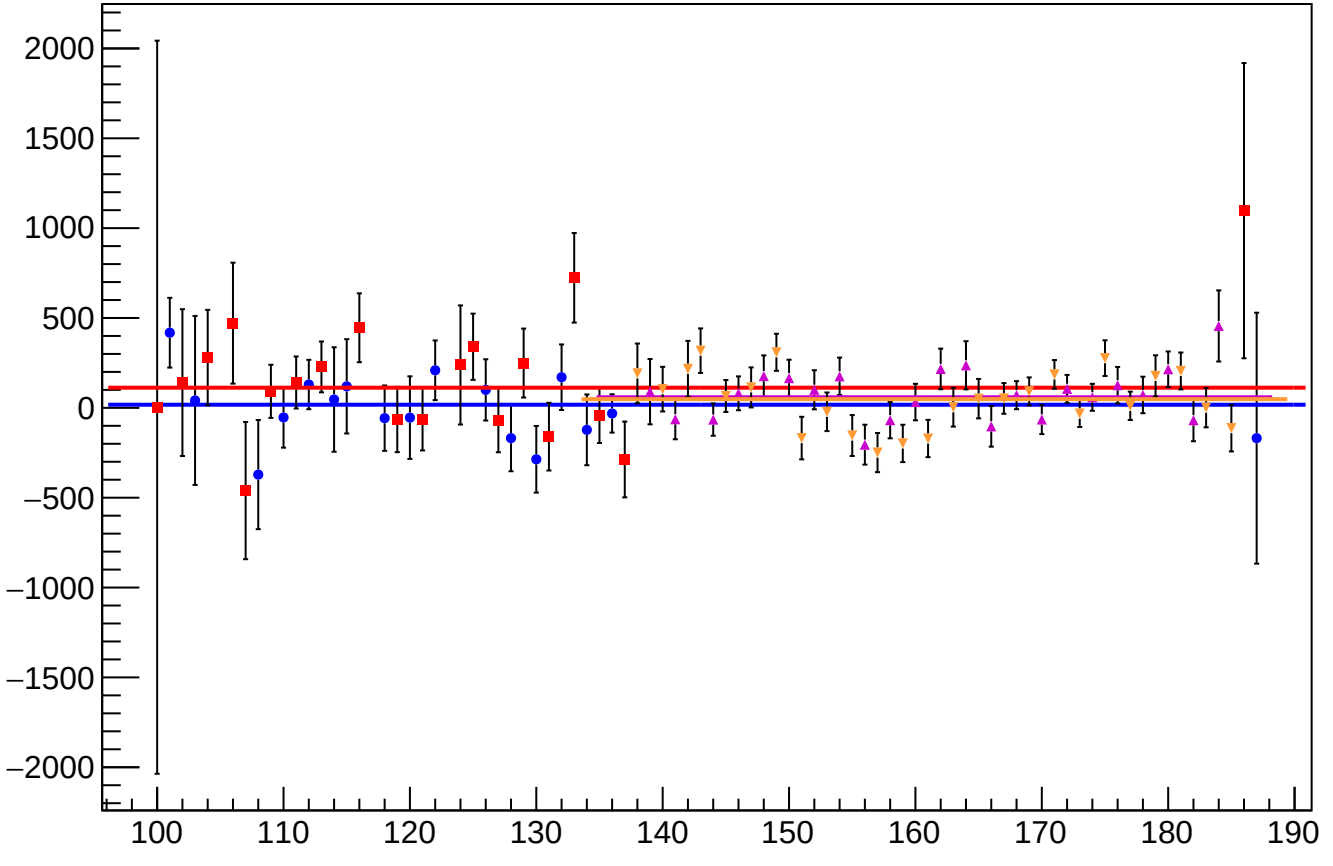
Right: 1641.068+/-0.306 χ^2/NDF: 1558485.5/36

In: 859.407+/-0.129 χ^2/NDF:6250660.9/39

Out: 871.223+/-0.127 χ^2/NDF:6910580.4/44

All: 865.390+/-0.090 χ^2/NDF: 13165521.3/84

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 17.394+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 112.216+/-45.757 χ^2/NDF: 26.8/19

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

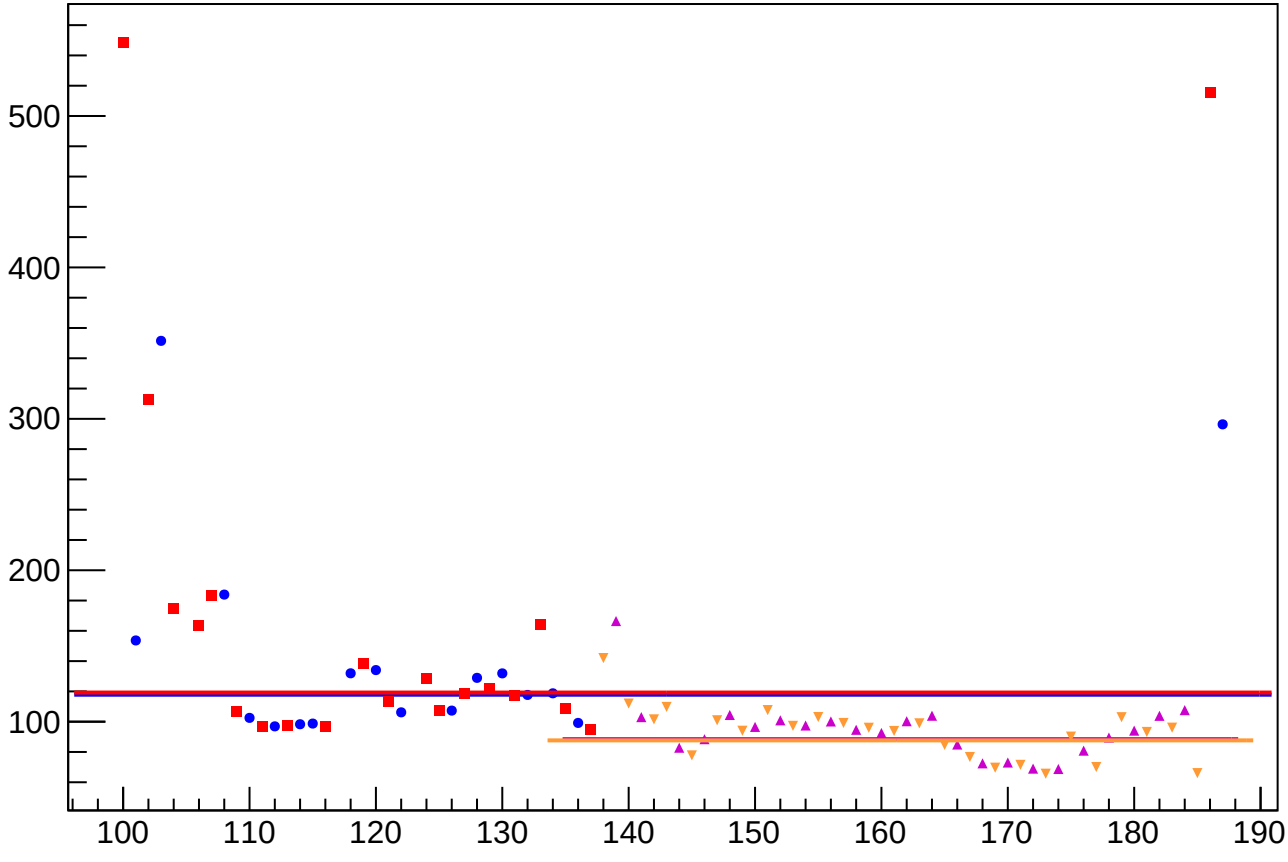
Right: 64.649+/-32.302 χ^2/NDF: 42.9/36

In: 51.646+/-19.192 χ^2/NDF:45.2/39

Out: 59.001+/-18.650 χ^2/NDF:82.0/44

All: 55.429+/-13.375 χ^2/NDF: 127.3/84

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.828+/-0.032 χ^2/NDF: 989751.4/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 119.239+/-0.032 χ^2/NDF: 1453557.0/19

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

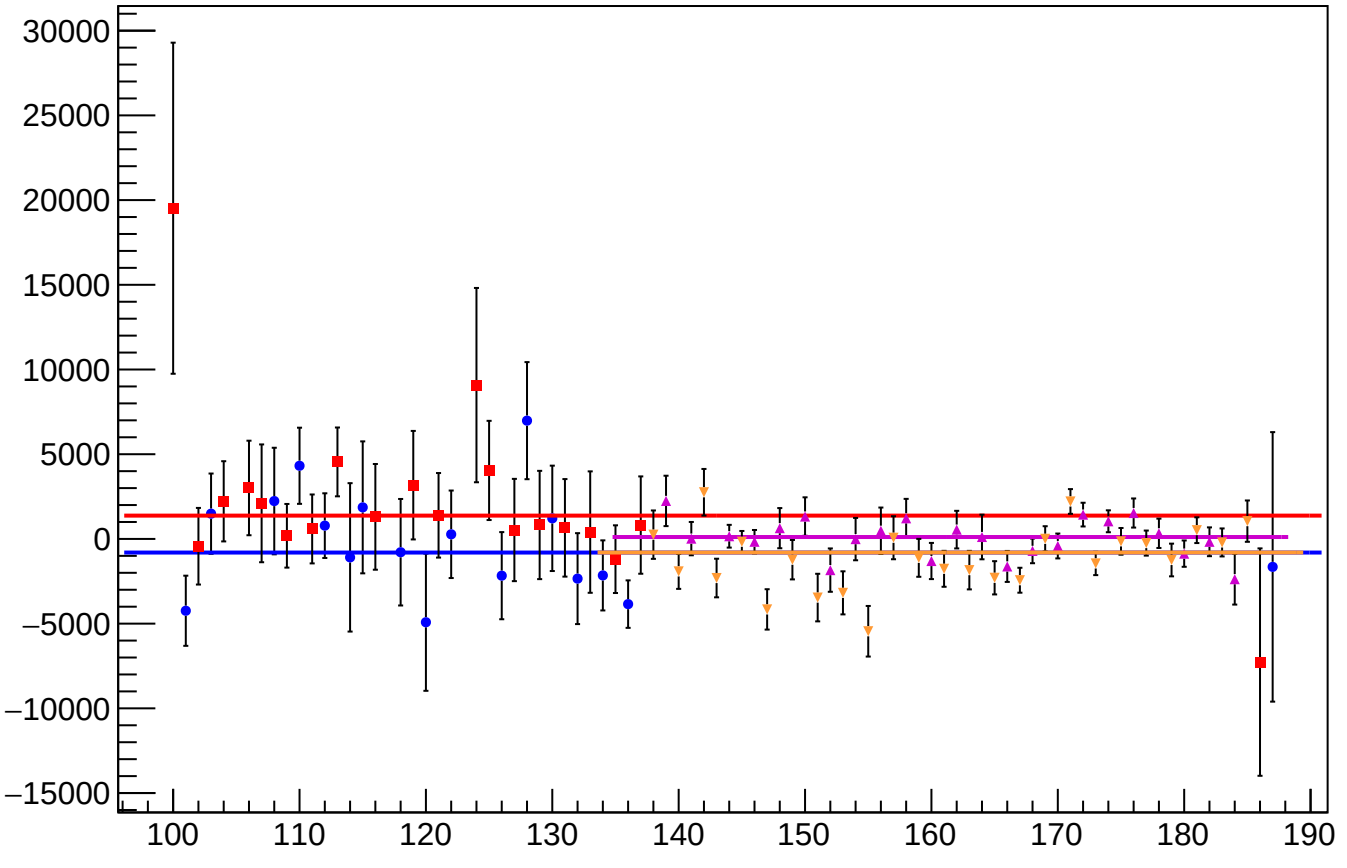
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

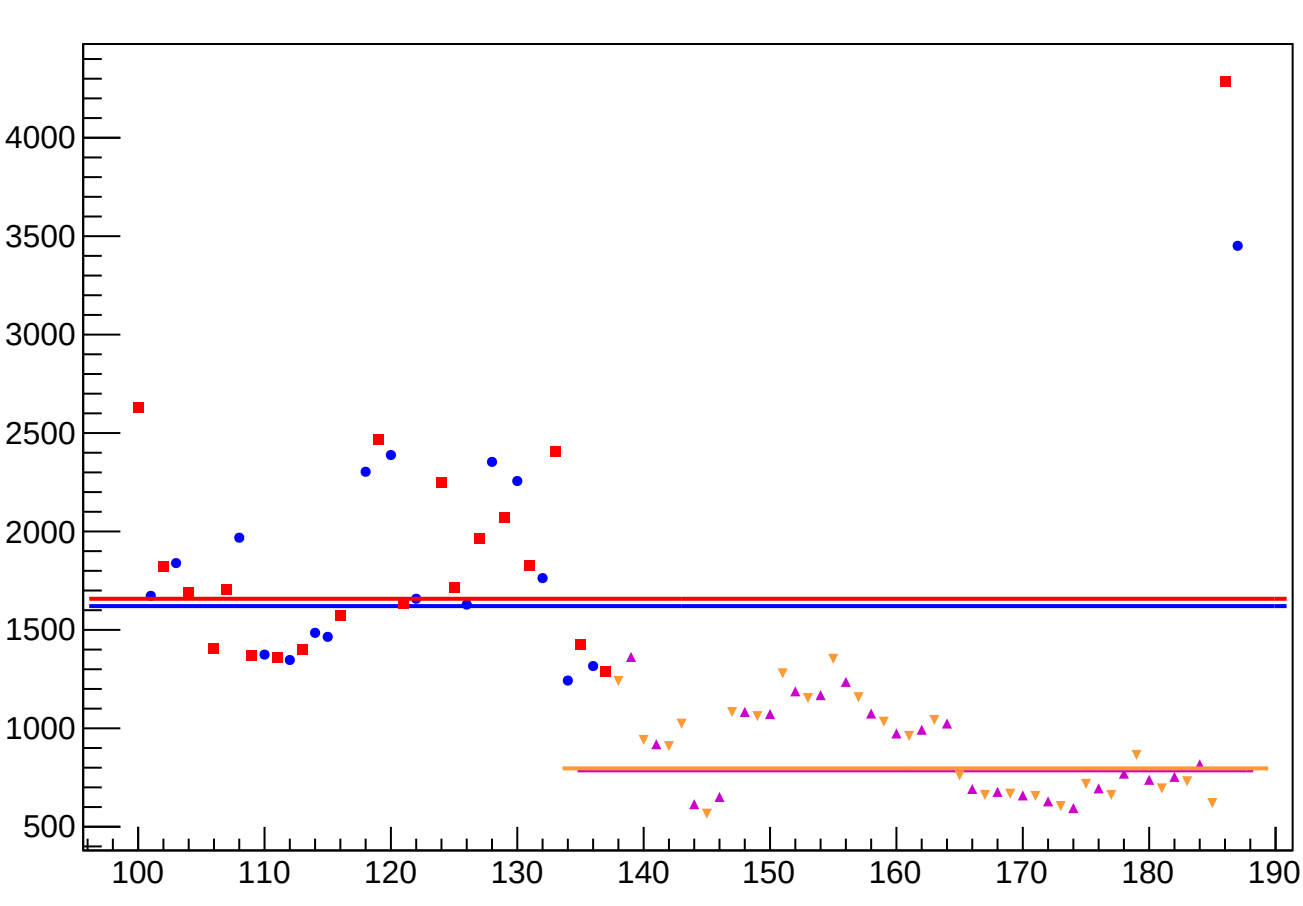
Right: 118.531+/-0.023 χ^2/NDF: 2444263.4/36

In: 93.679+/-0.014 χ^2/NDF:2746848.8/39

Out: 92.903+/-0.013 χ^2/NDF:3461428.3/44

All: 93.280+/-0.009 χ^2/NDF: 6209960.2/84


asym_sam3_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -804.190+/-614.175 χ²/NDF: 23.5/16
Left Out: -801.499+/-187.755 χ²/NDF:71.9/24
Right Out: 1375.970+/-611.884 χ²/NDF: 14.1/19
Left In: 112.485+/-190.269 χ²/NDF:27.1/22
Left: -350.586+/-133.643 χ²/NDF: 110.6/47
Right: 289.963+/-433.475 χ²/NDF: 43.9/36
In: 32.212+/-181.748 χ²/NDF:52.6/39
Out: -614.121+/-179.495 χ²/NDF:97.6/44
All: -294.985+/-127.711 χ²/NDF: 156.6/84



Right In: 1620.769+/-0.434 χ^2/NDF: 725696.2/16

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1658.065+/-0.433 χ^2/NDF: 836831.1/19

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

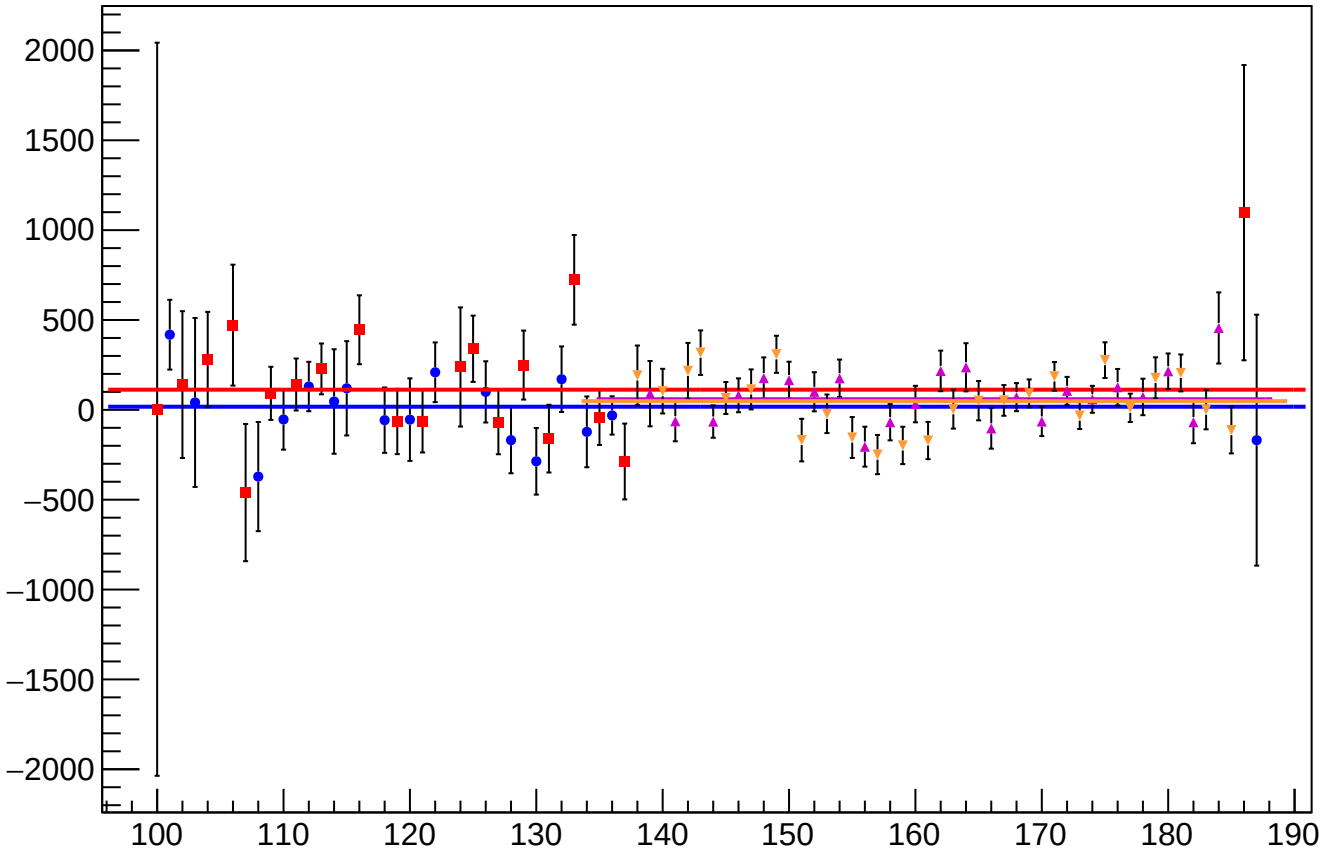
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1639.486+/-0.307 χ^2/NDF: 1566228.7/36

In: 859.407+/-0.129 χ^2/NDF:6250717.4/39

Out: 870.662+/-0.127 χ^2/NDF:6878507.9/44

All: 865.105+/-0.090 χ^2/NDF: 13133107.9/84



Right In: 17.394+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 112.216+/-45.757 χ^2/NDF: 26.8/19

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

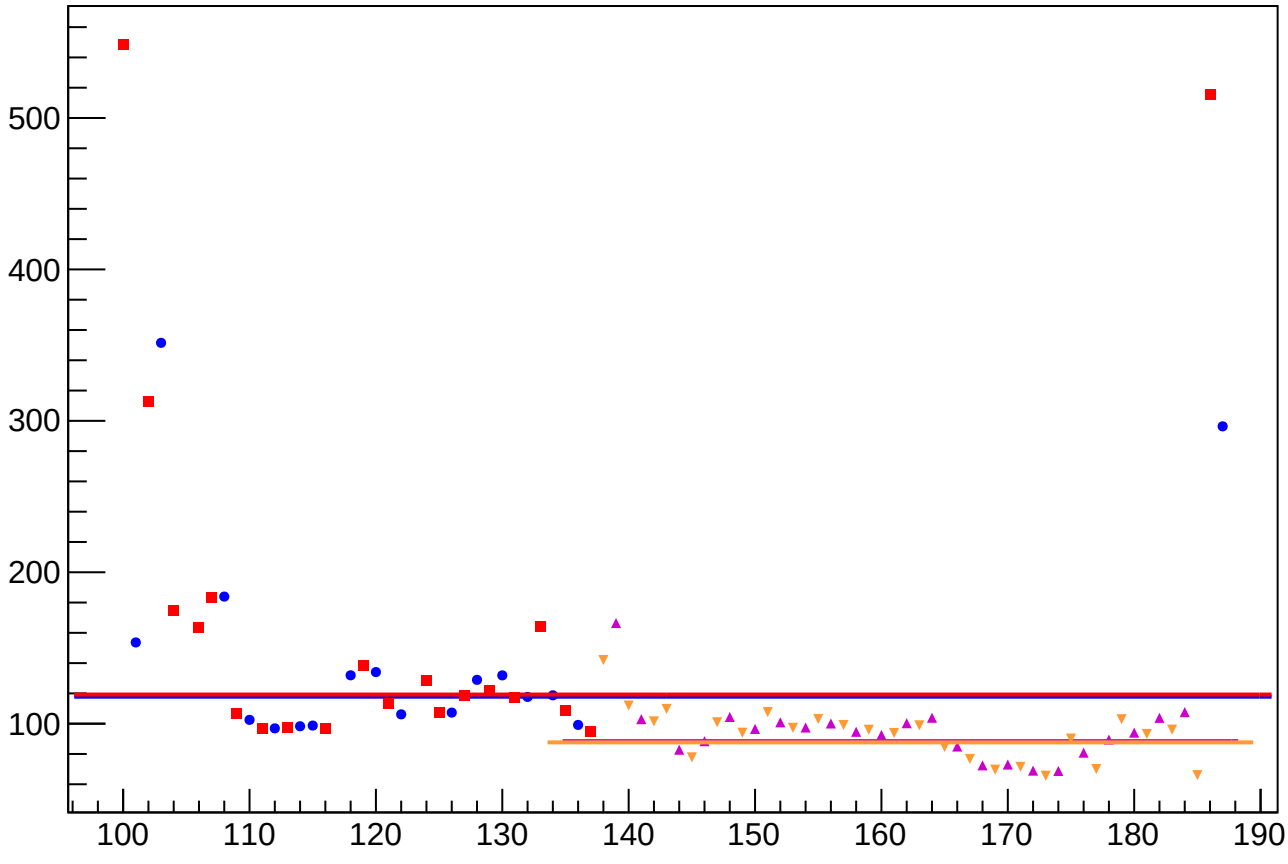
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 64.649+/-32.302 χ^2/NDF: 42.9/36

In: 51.646+/-19.192 χ^2/NDF:45.2/39

Out: 59.001+/-18.650 χ^2/NDF:82.0/44

All: 55.429+/-13.375 χ^2/NDF: 127.3/84



Right In: 117.828+/-0.032 χ^2/NDF: 989751.4/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 119.239+/-0.032 χ^2/NDF: 1453557.0/19

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

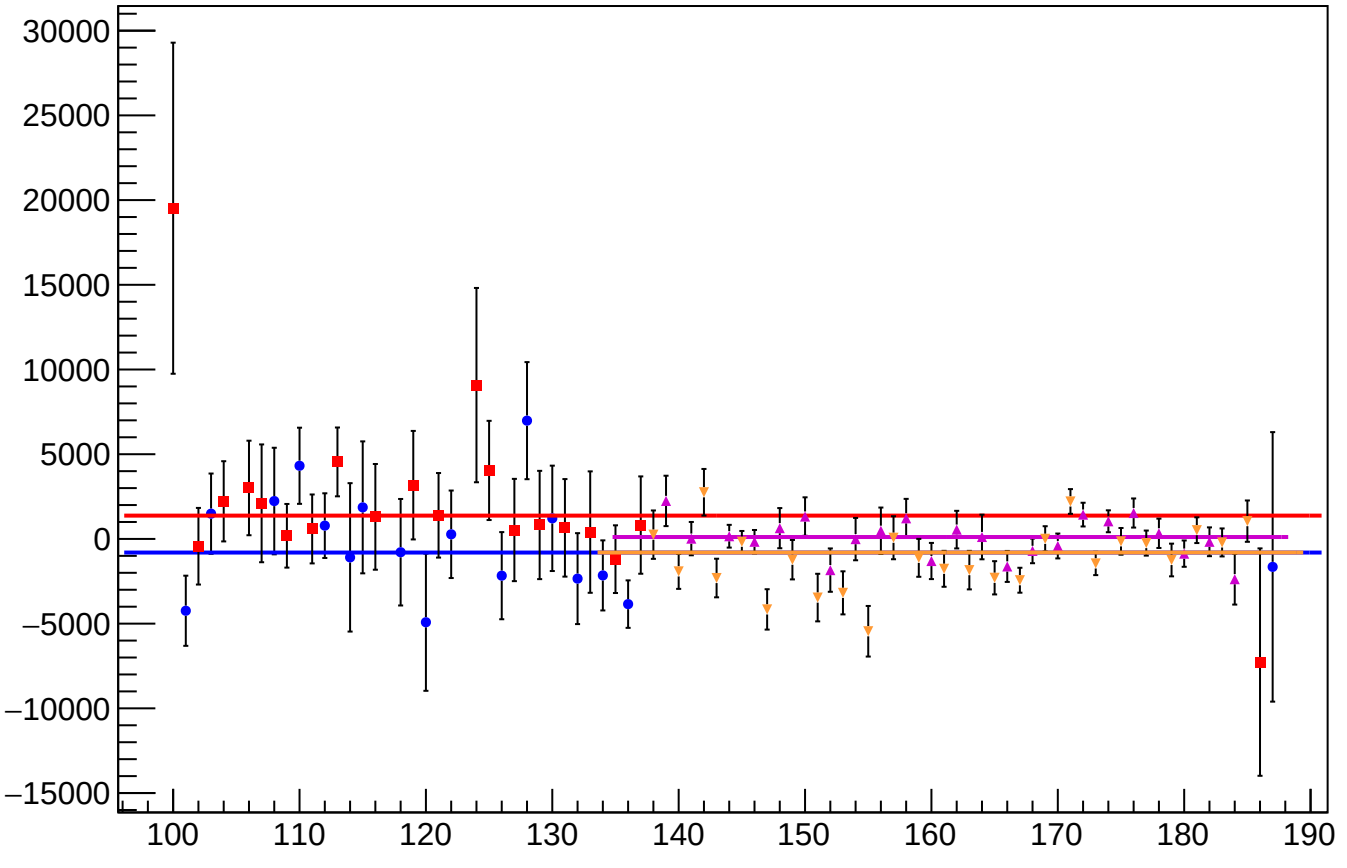
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 118.531+/-0.023 χ^2/NDF: 2444263.4/36

In: 93.679+/-0.014 χ^2/NDF:2746848.8/39

Out: 92.903+/-0.013 χ^2/NDF:3461428.3/44

All: 93.280+/-0.009 χ^2/NDF: 6209960.2/84



Right In: -804.190+/-614.175 χ^2/NDF: 23.5/16

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1375.970+/-611.884 χ^2/NDF: 14.1/19

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

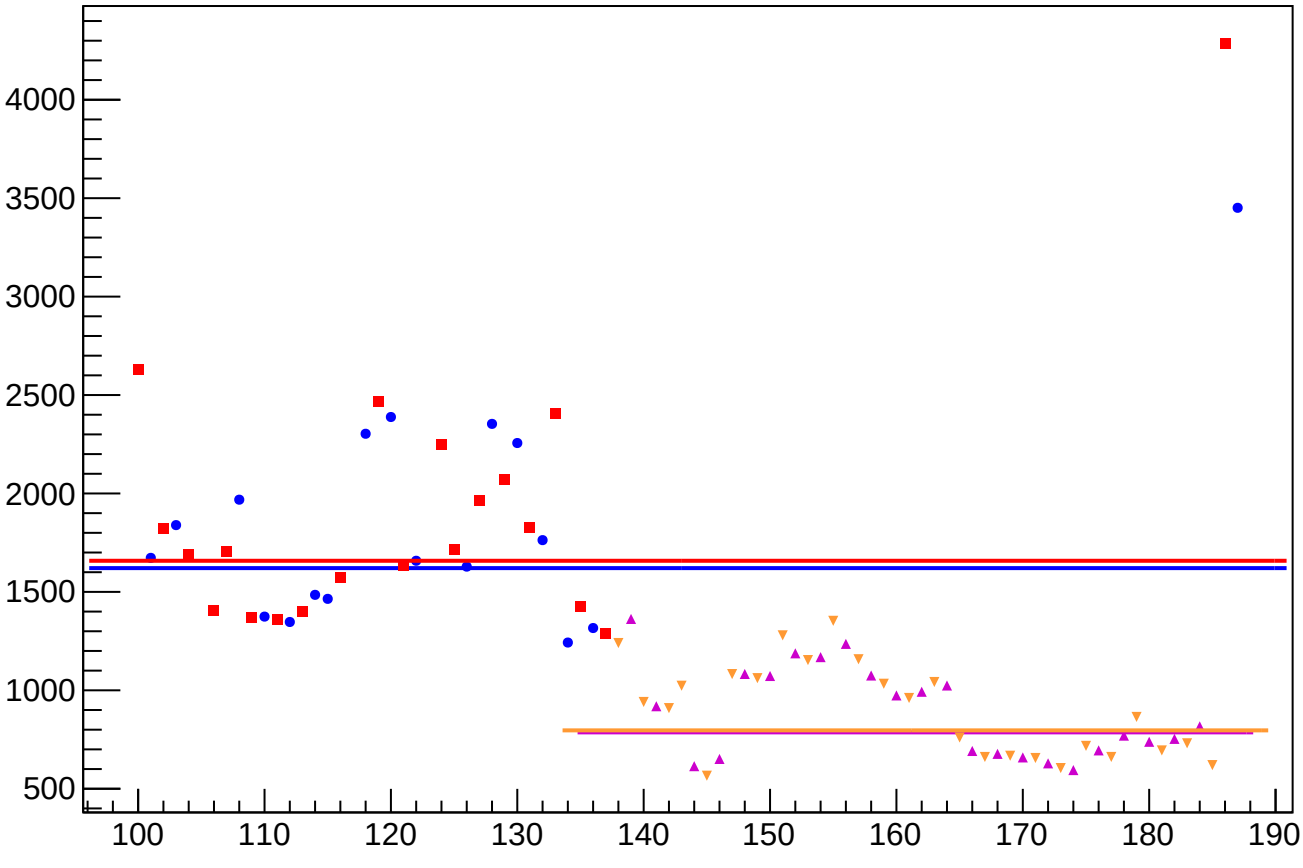
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 289.963+/-433.475 χ^2/NDF: 43.9/36

In: 32.212+/-181.748 χ^2/NDF:52.6/39

Out: -614.121+/-179.495 χ^2/NDF:97.6/44

All: -294.985+/-127.711 χ^2/NDF: 156.6/84



Right In: 1620.769+/-0.434 χ^2/NDF: 725696.2/16

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1658.065+/-0.433 χ^2/NDF: 836831.1/19

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

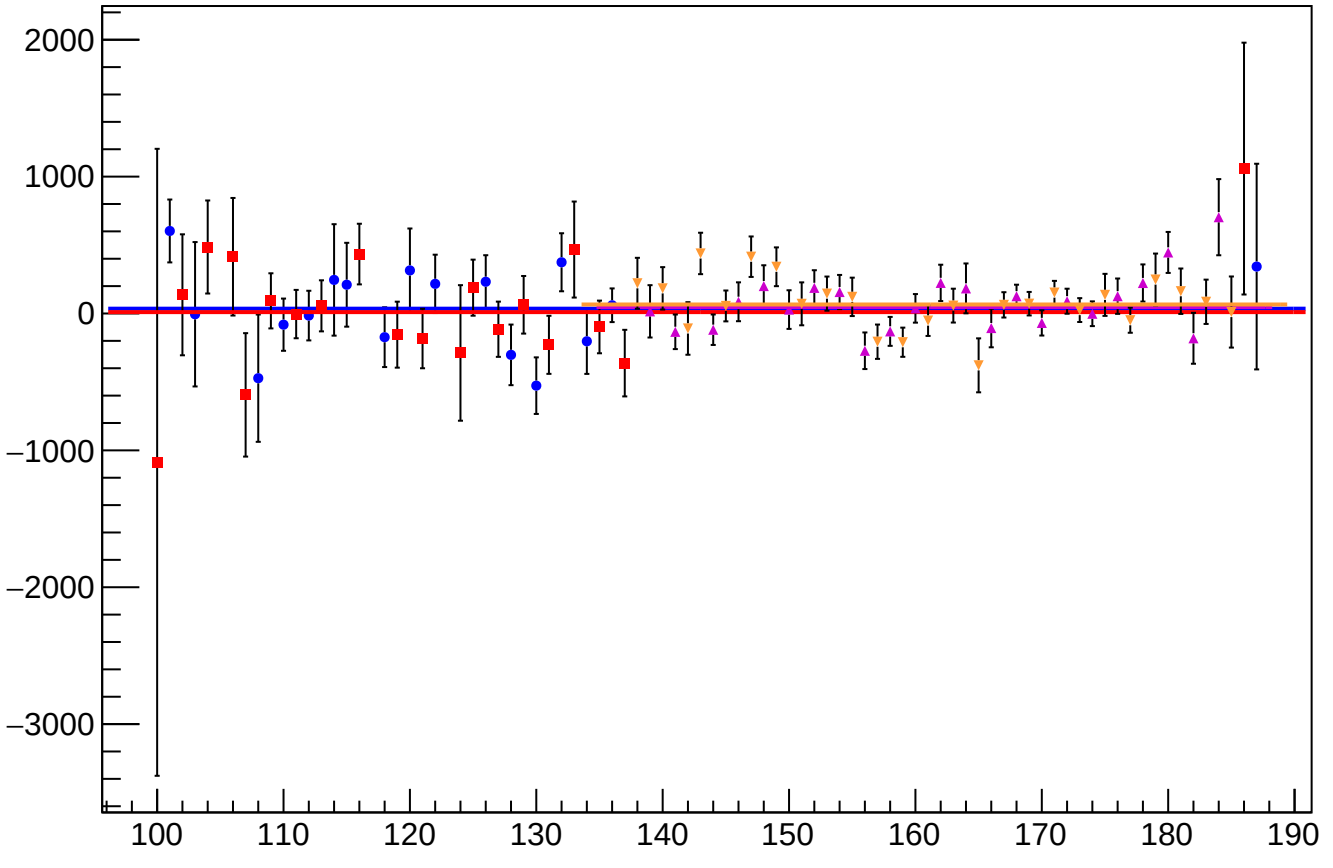
Right: 1639.486+/-0.307 χ^2/NDF: 1566228.7/36

In: 859.407+/-0.129 χ^2/NDF:6250717.4/39

Out: 870.662+/-0.127 χ^2/NDF:6878507.9/44

All: 865.105+/-0.090 χ^2/NDF: 13133107.9/84

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 35.114+/-54.762 χ^2/NDF: 25.3/16

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 10.005+/-55.986 χ^2/NDF: 18.6/19

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

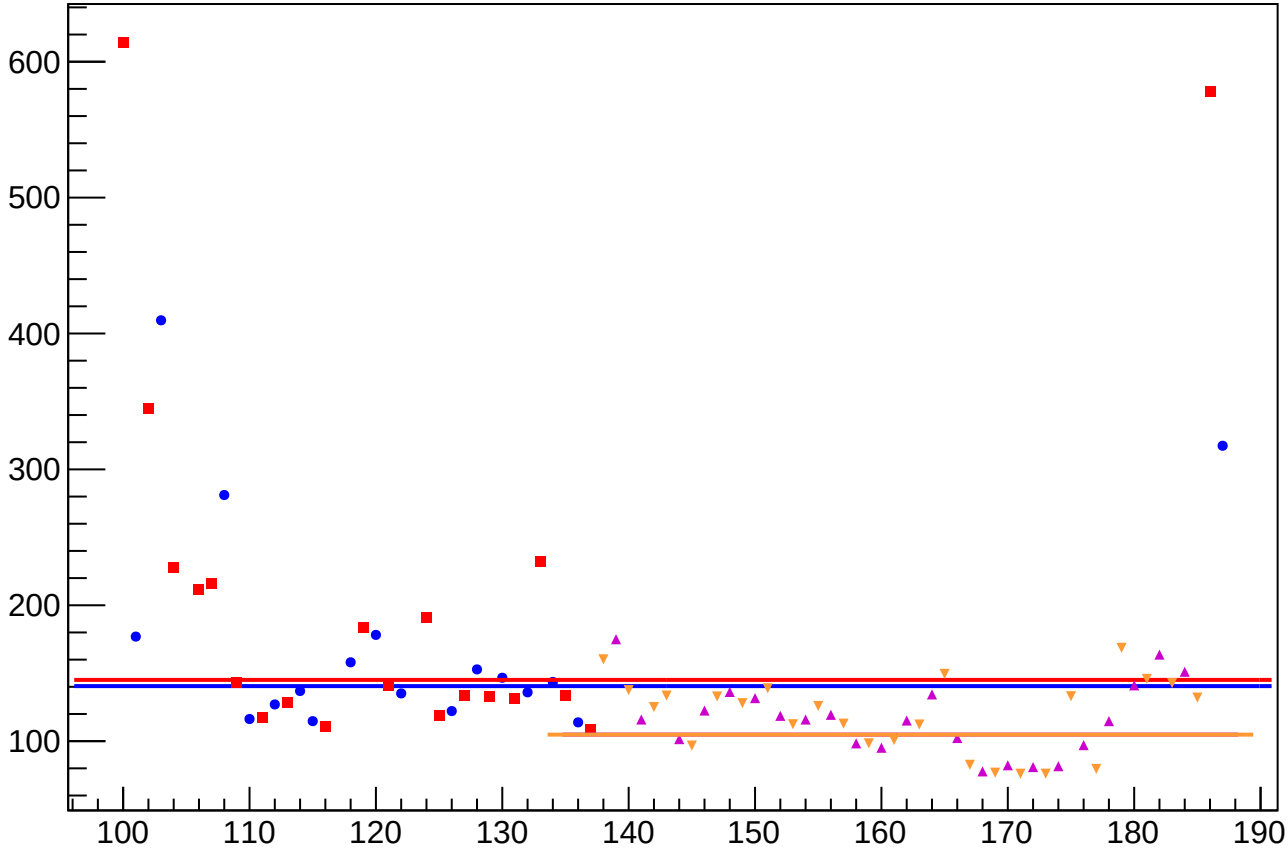
Right: 22.837+/-39.148 χ^2/NDF: 44.1/36

In: 44.887+/-23.262 χ^2/NDF:64.0/39

Out: 56.406+/-22.873 χ^2/NDF:59.5/44

All: 50.744+/-16.309 χ^2/NDF: 123.6/84

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 140.511+/-0.039 χ^2/NDF: 1088188.1/16

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 145.090+/-0.040 χ^2/NDF: 1561764.8/19

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

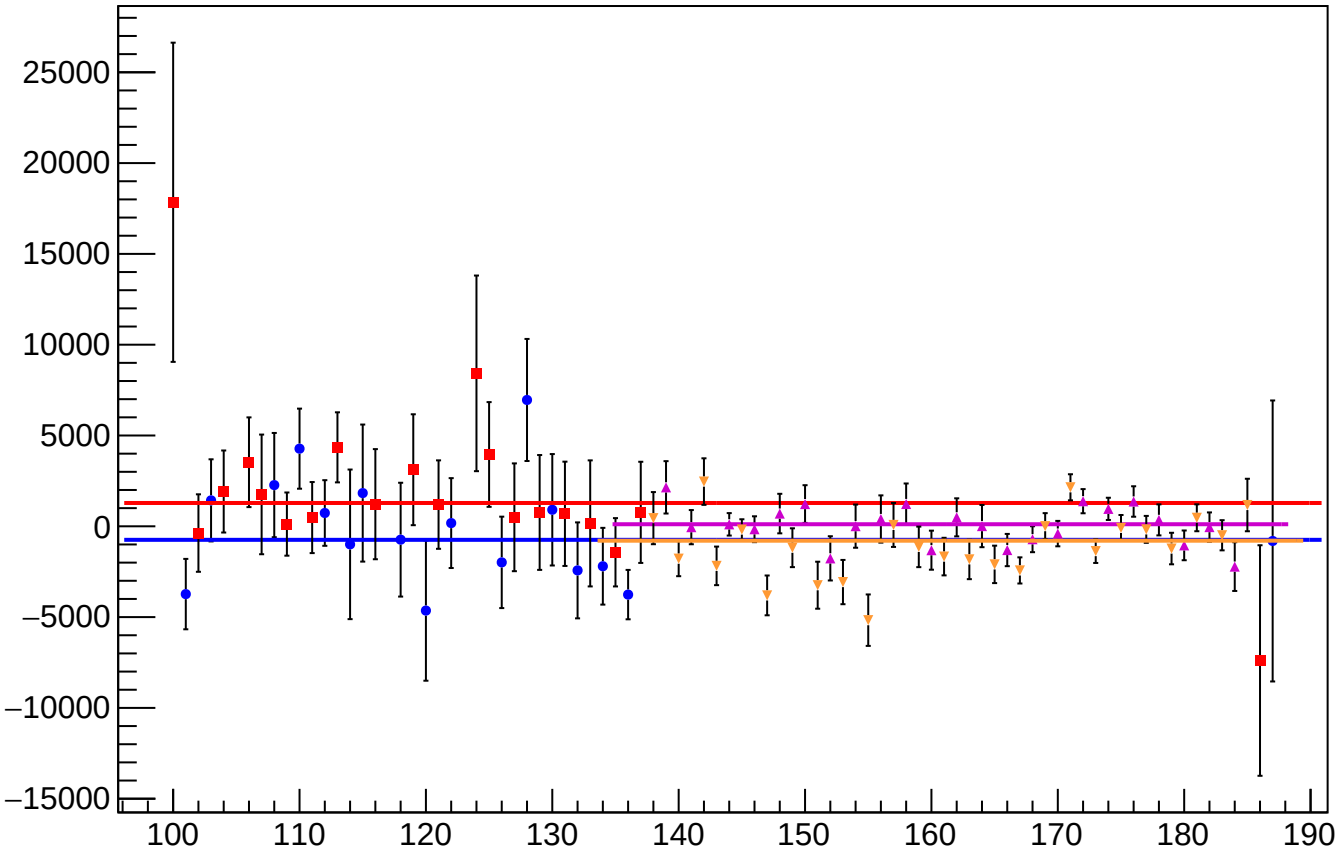
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 142.750+/-0.028 χ^2/NDF: 2656788.2/36

In: 111.272+/-0.016 χ^2/NDF:3398364.3/39

Out: 111.533+/-0.016 χ^2/NDF:4667010.7/44

All: 111.405+/-0.012 χ^2/NDF: 8065502.5/84



Right In: -745.054+/-594.051 χ^2/NDF: 23.5/16

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1283.992+/-583.329 χ^2/NDF: 15.4/19

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

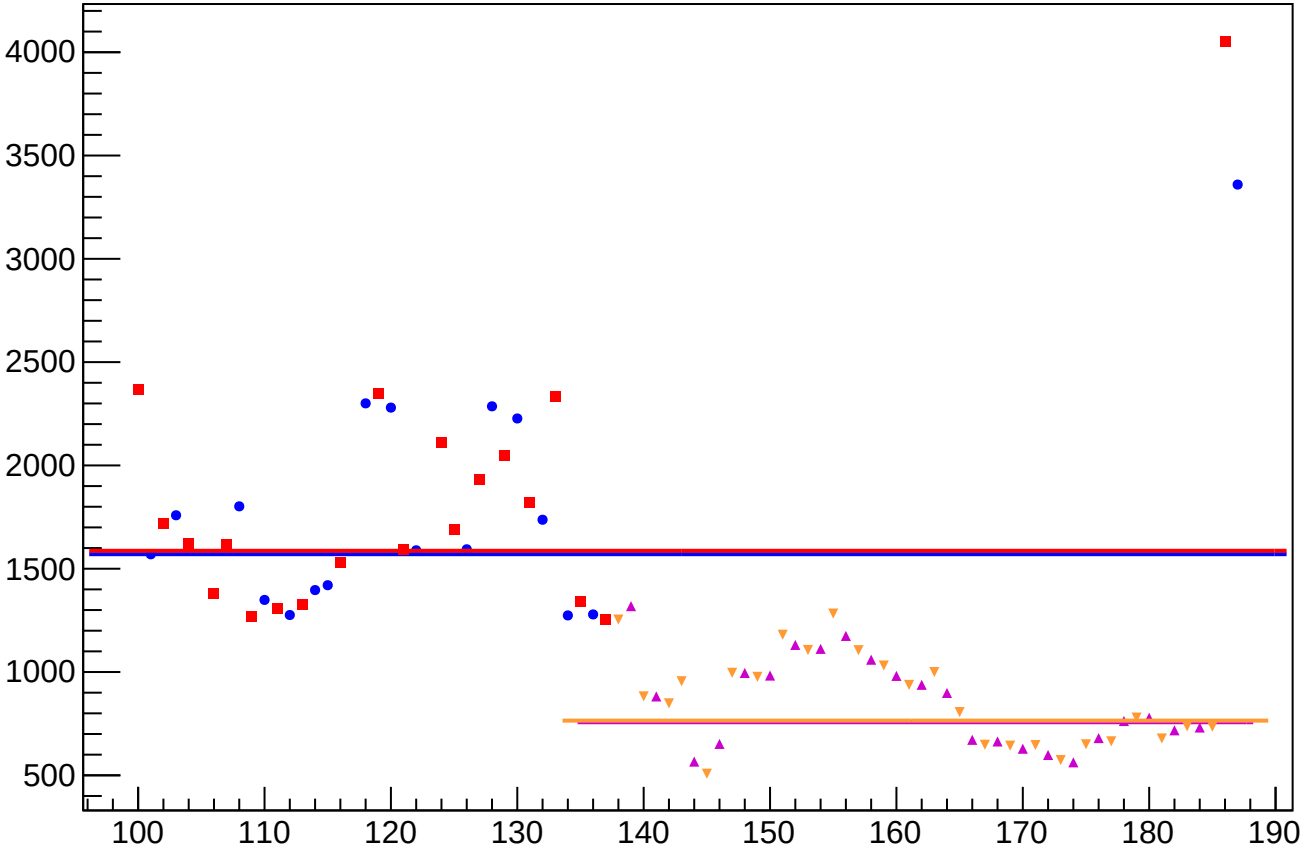
Right: 287.944+/-416.215 χ^2/NDF: 44.8/36

In: 39.158+/-174.999 χ^2/NDF:51.7/39

Out: -612.681+/-171.907 χ^2/NDF:97.0/44

All: -292.571+/-122.635 χ^2/NDF: 155.8/84

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1570.346+/-0.420 χ^2/NDF: 711798.2/16

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1586.799+/-0.412 χ^2/NDF: 867933.2/19

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

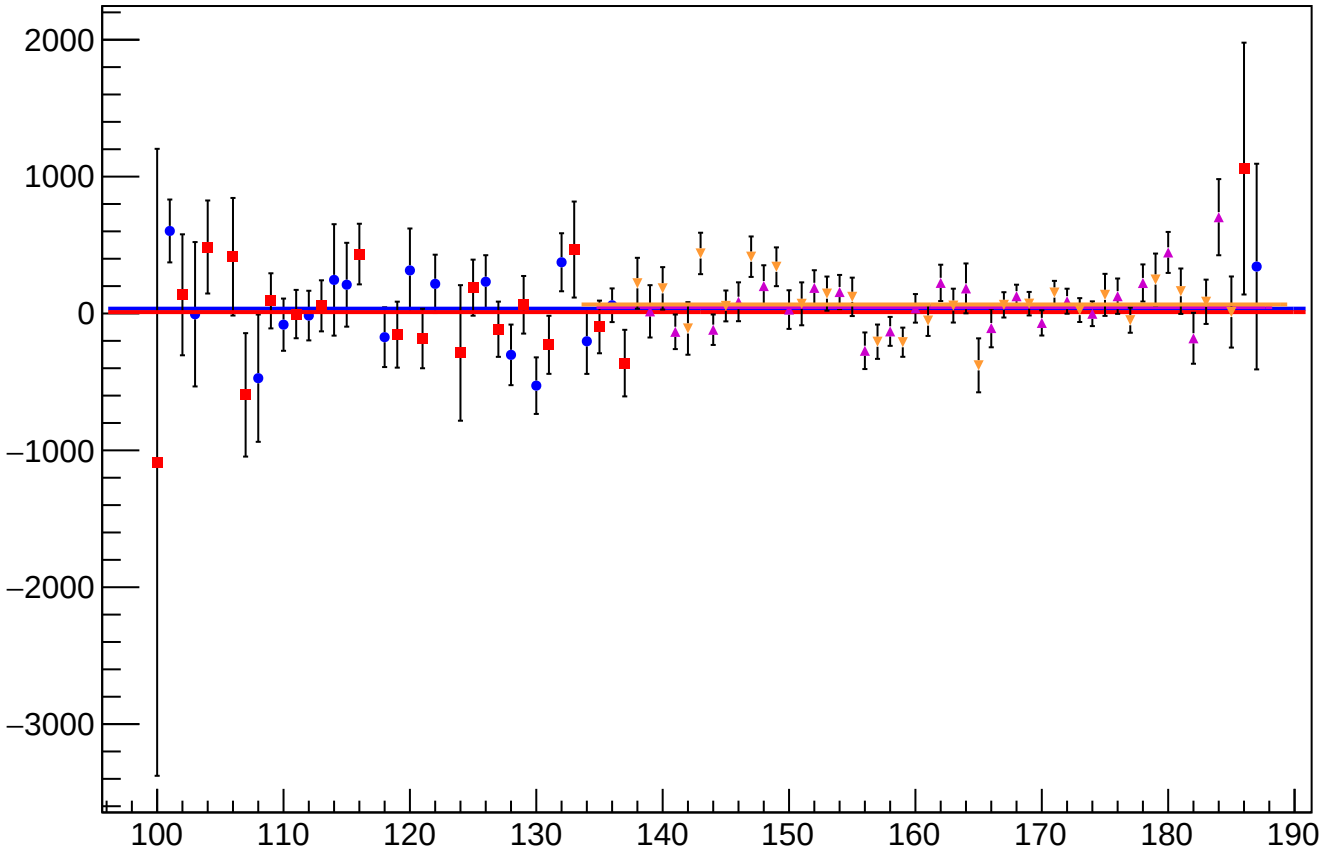
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1578.723+/-0.294 χ^2/NDF: 1580512.5/36

In: 827.516+/-0.124 χ^2/NDF:6251499.0/39

Out: 836.129+/-0.122 χ^2/NDF:6920574.4/44

All: 831.899+/-0.087 χ^2/NDF: 13174538.9/84



Right In: 35.113+/-54.762 χ^2/NDF: 25.3/16

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 10.001+/-55.986 χ^2/NDF: 18.6/19

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

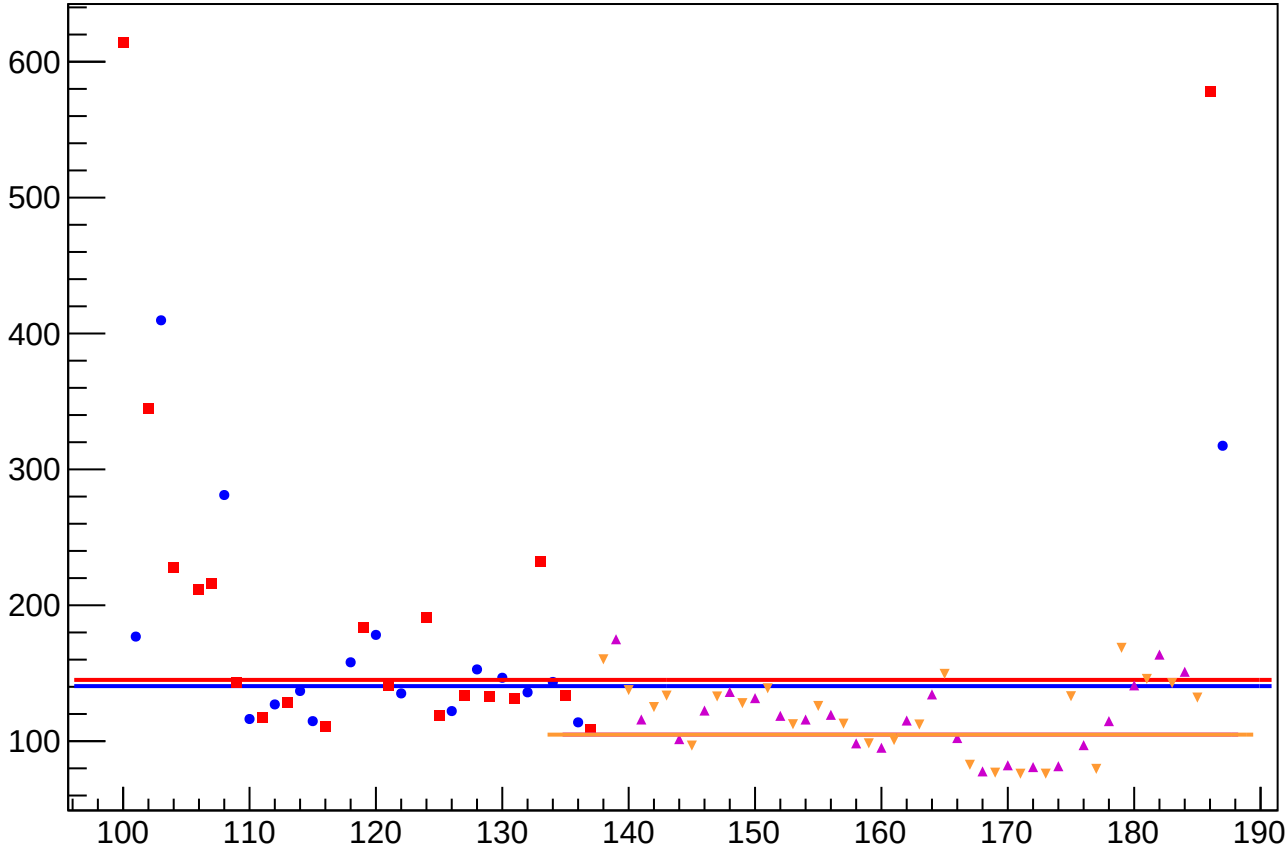
Right: 22.835+/-39.148 χ^2/NDF: 44.1/36

In: 44.886+/-23.263 χ^2/NDF:64.0/39

Out: 56.406+/-22.873 χ^2/NDF:59.5/44

All: 50.743+/-16.310 χ^2/NDF: 123.6/84

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 140.512+/-0.039 χ^2/NDF: 1088191.2/16

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 145.090+/-0.040 χ^2/NDF: 1561771.1/19

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

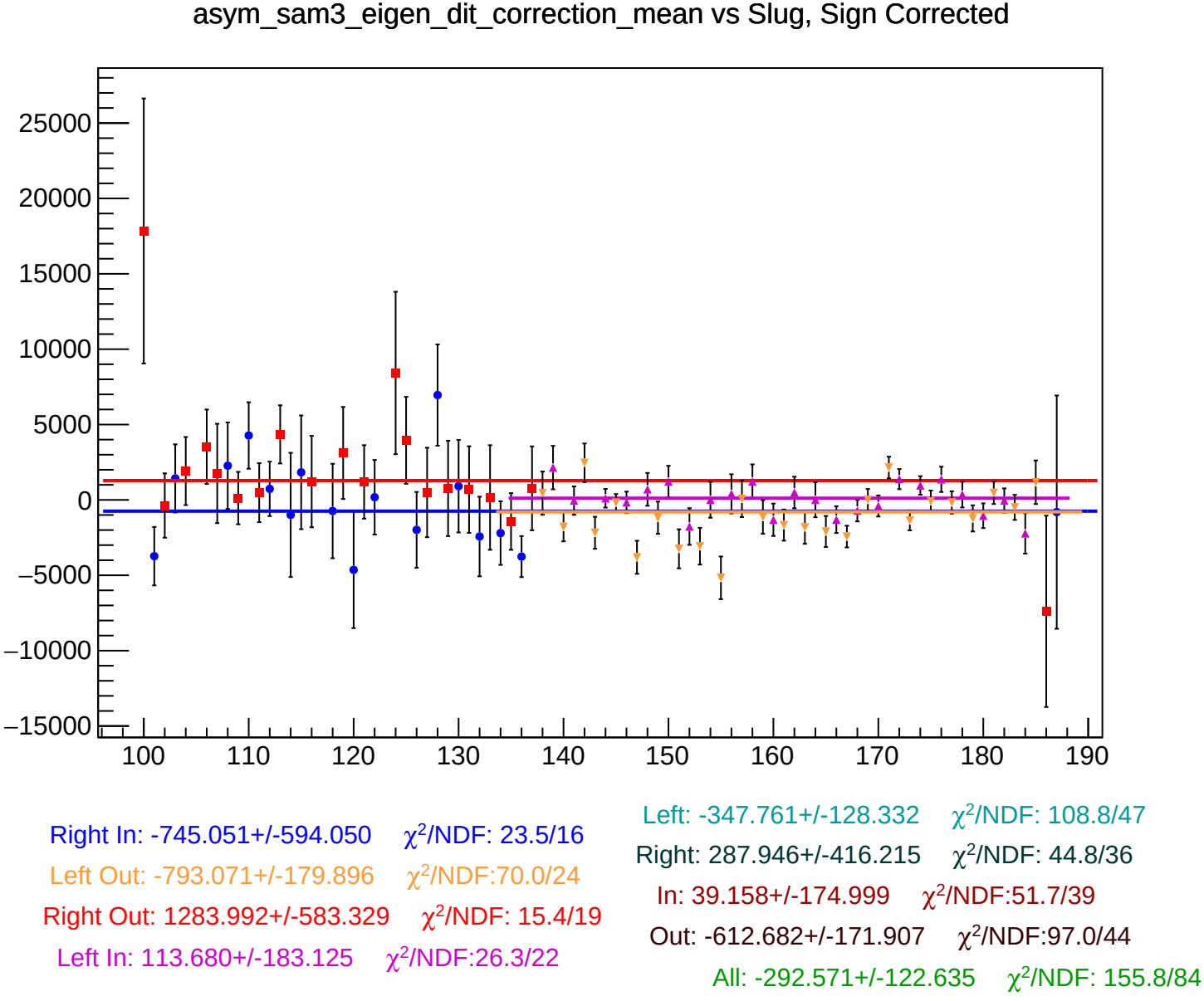
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

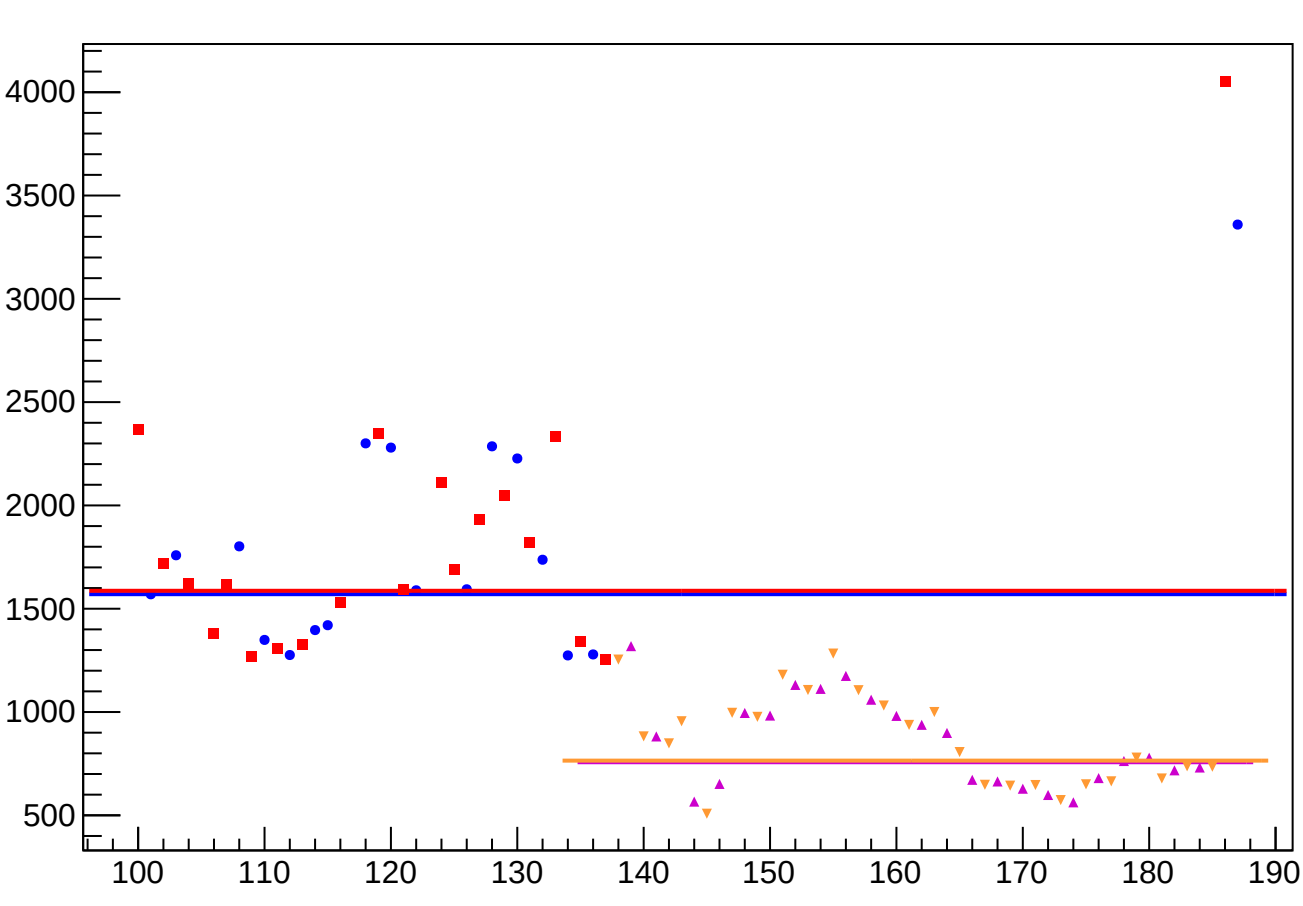
Right: 142.750+/-0.028 χ^2/NDF: 2656798.2/36

In: 111.273+/-0.016 χ^2/NDF:3398371.3/39

Out: 111.533+/-0.016 χ^2/NDF:4667037.7/44

All: 111.405+/-0.012 χ^2/NDF: 8065536.5/84


asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -745.051+/-594.050 χ²/NDF: 23.5/16
Left Out: -793.071+/-179.896 χ²/NDF:70.0/24
Right Out: 1283.992+/-583.329 χ²/NDF: 15.4/19
Left In: 113.680+/-183.125 χ²/NDF:26.3/22
Left: -347.761+/-128.332 χ²/NDF: 108.8/47
Right: 287.946+/-416.215 χ²/NDF: 44.8/36
In: 39.158+/-174.999 χ²/NDF:51.7/39
Out: -612.682+/-171.907 χ²/NDF:97.0/44
All: -292.571+/-122.635 χ²/NDF: 155.8/84



Right In: 1570.345+/-0.420 χ^2/NDF: 711797.9/16

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1586.797+/-0.412 χ^2/NDF: 867931.3/19

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

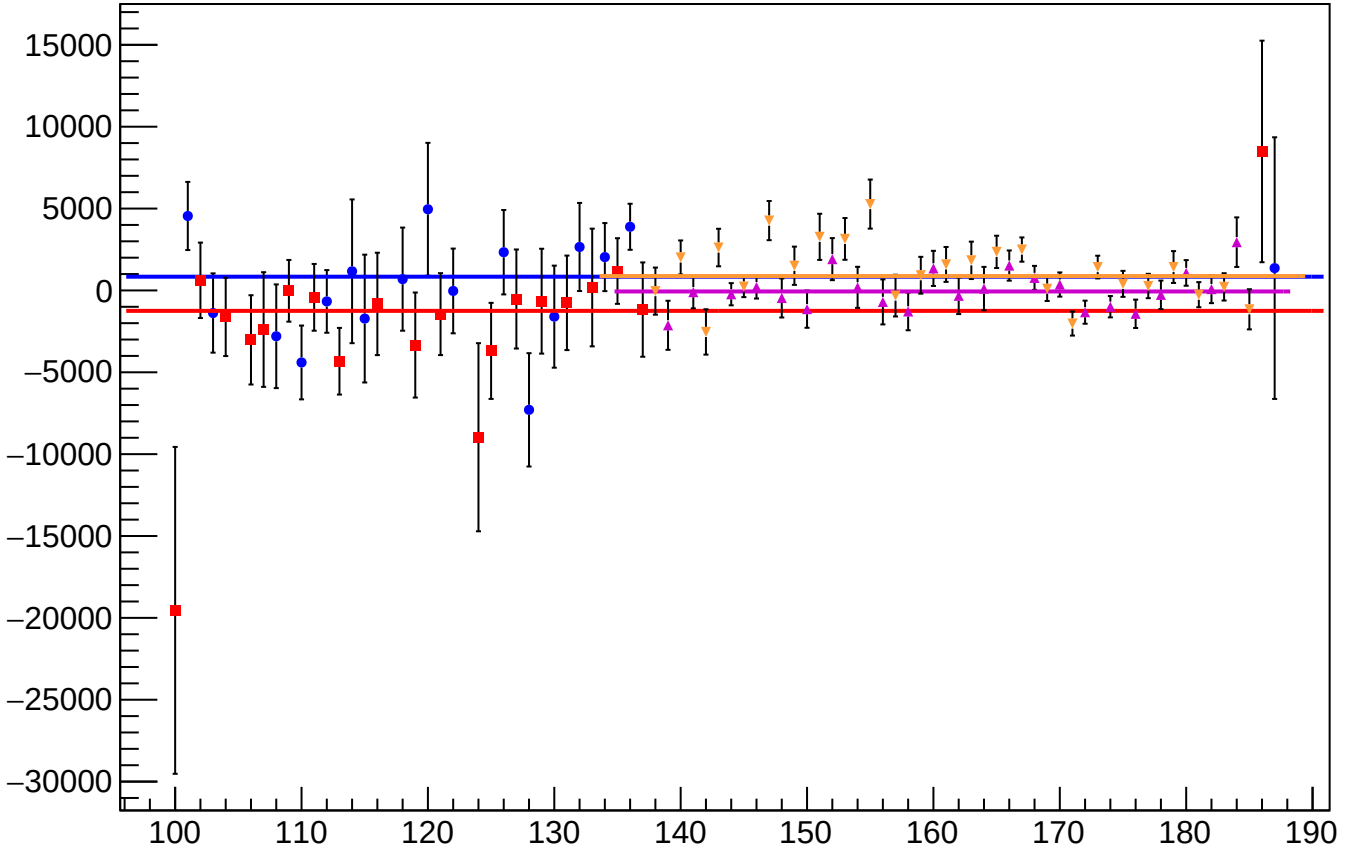
Right: 1578.721+/-0.294 χ^2/NDF: 1580510.2/36

In: 827.515+/-0.124 χ^2/NDF:6251492.6/39

Out: 836.128+/-0.122 χ^2/NDF:6920561.5/44

All: 831.899+/-0.087 χ^2/NDF: 13174519.6/84

asym_sam3_mean vs Slug, Sign Corrected



Right In: 838.642+/-616.933 χ^2/NDF: 24.9/16

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1248.706+/-613.885 χ^2/NDF: 14.2/19

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

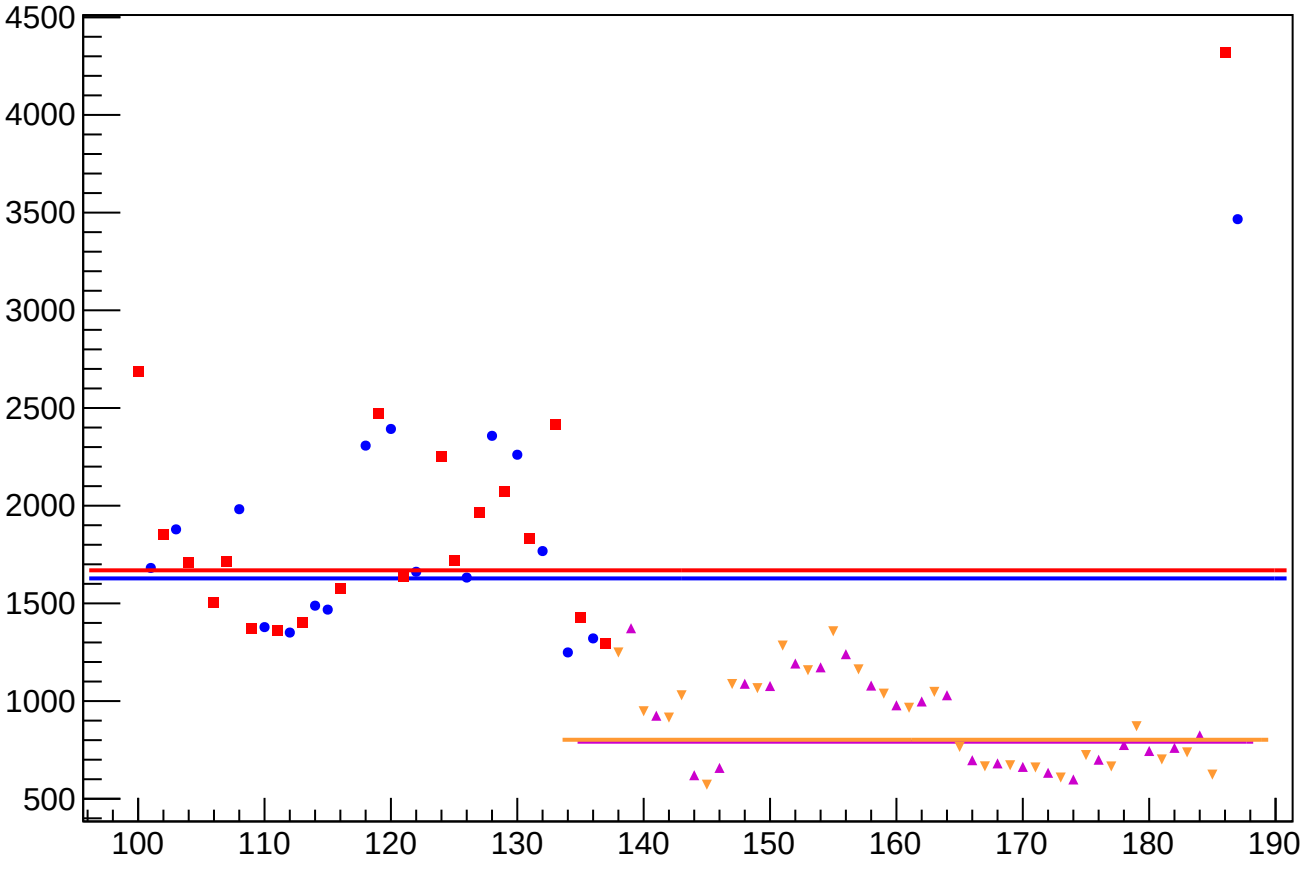
Right: -210.202+/-435.156 χ^2/NDF: 44.9/36

In: 16.537+/-182.976 χ^2/NDF:54.0/39

Out: 692.485+/-180.631 χ^2/NDF:92.4/44

All: 358.869+/-128.546 χ^2/NDF: 153.3/84

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1627.830+/-0.436 χ^2/NDF: 728794.1/16

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1669.222+/-0.434 χ^2/NDF: 833155.1/19

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

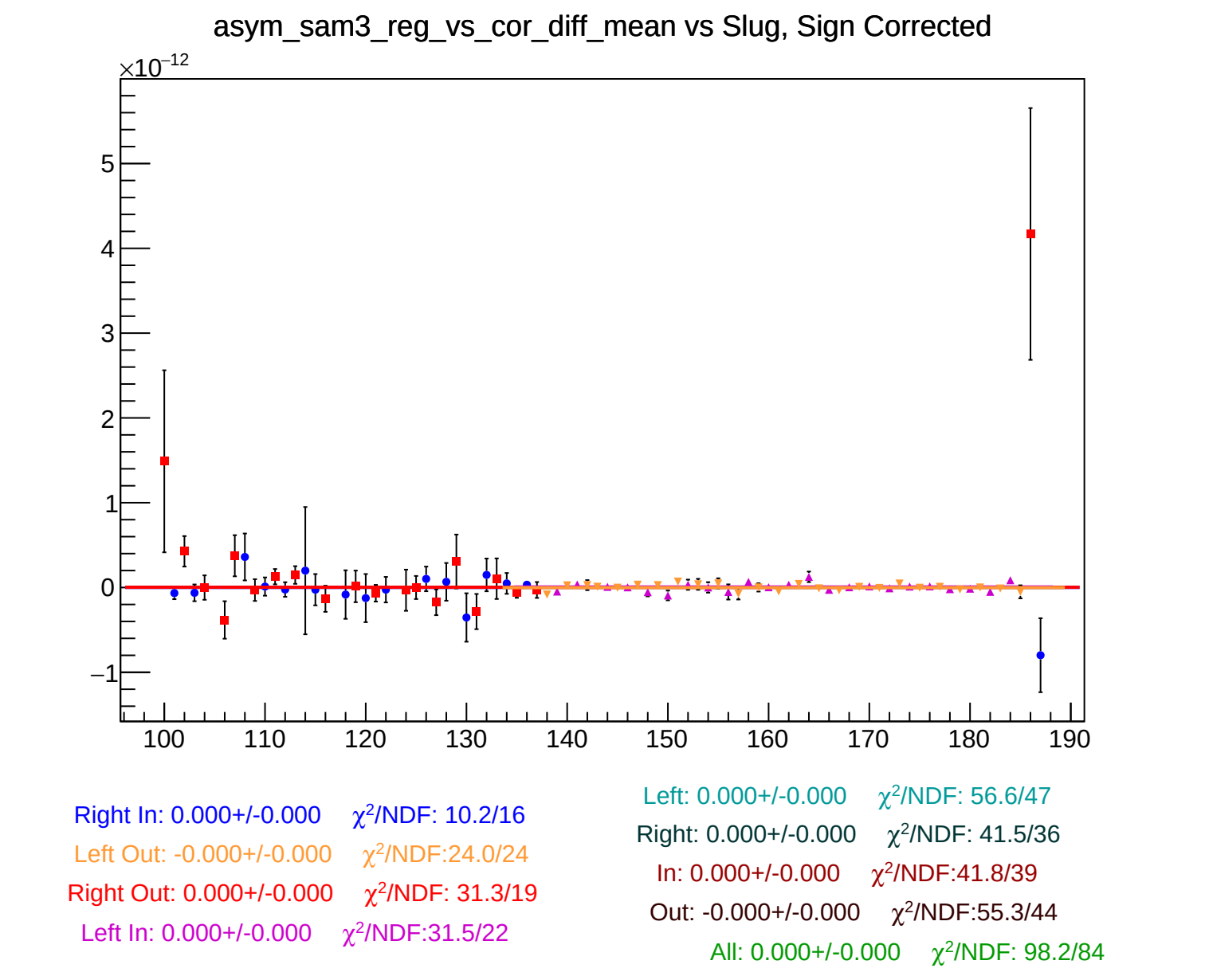
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

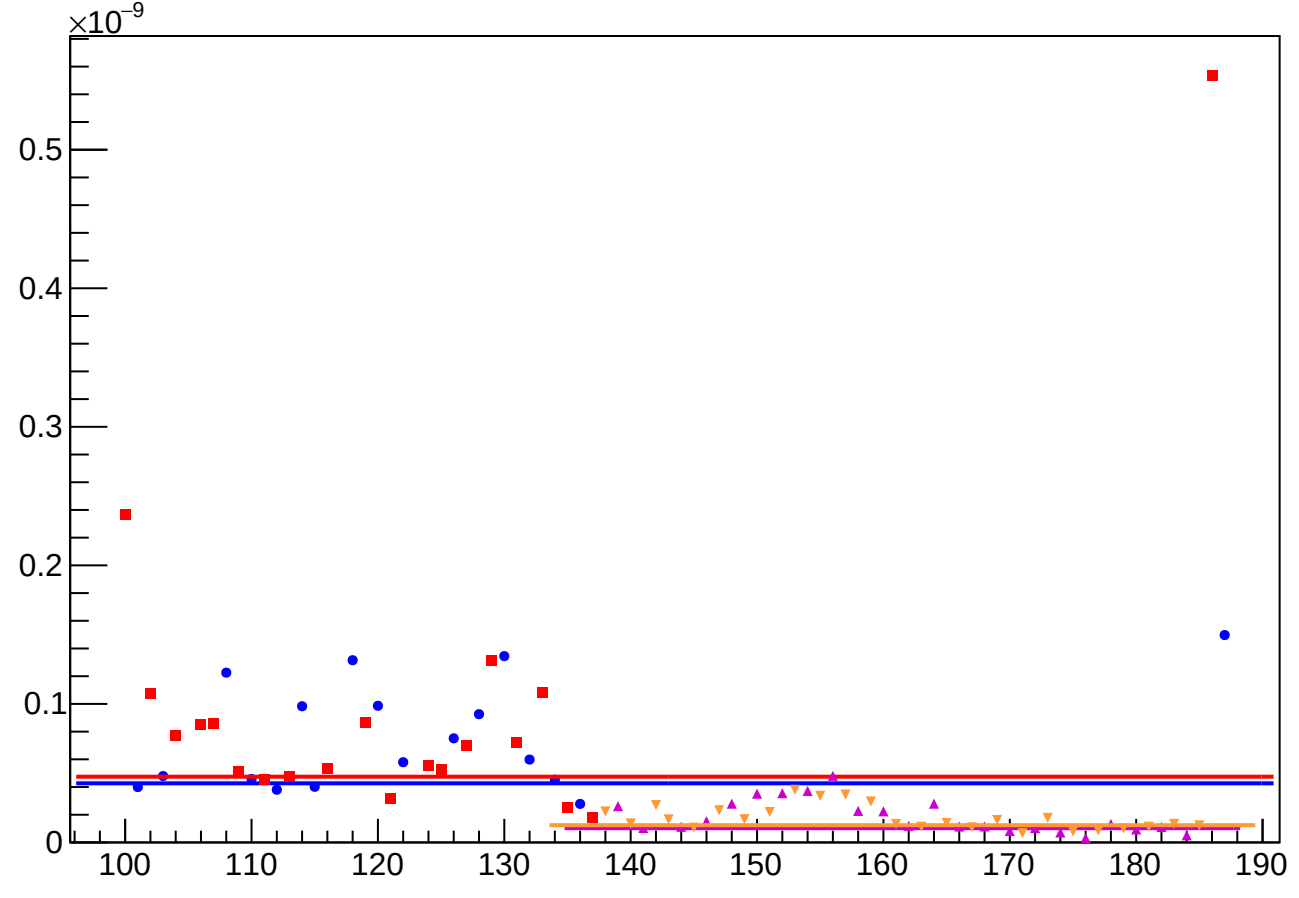
Right: 1648.628+/-0.308 χ^2/NDF: 1566472.9/36

In: 865.579+/-0.129 χ^2/NDF:6212002.7/39

Out: 877.096+/-0.128 χ^2/NDF:6874811.5/44

All: 871.412+/-0.091 χ^2/NDF: 13090827.5/84


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.2/16
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.3/19
Left In: 0.000+/-0.000 χ²/NDF:31.5/22
Left: 0.000+/-0.000 χ²/NDF: 56.6/47
Right: 0.000+/-0.000 χ²/NDF: 41.5/36
In: 0.000+/-0.000 χ²/NDF:41.8/39
Out: -0.000+/-0.000 χ²/NDF:55.3/44
All: 0.000+/-0.000 χ²/NDF: 98.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 1268744.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1643063.5/19

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

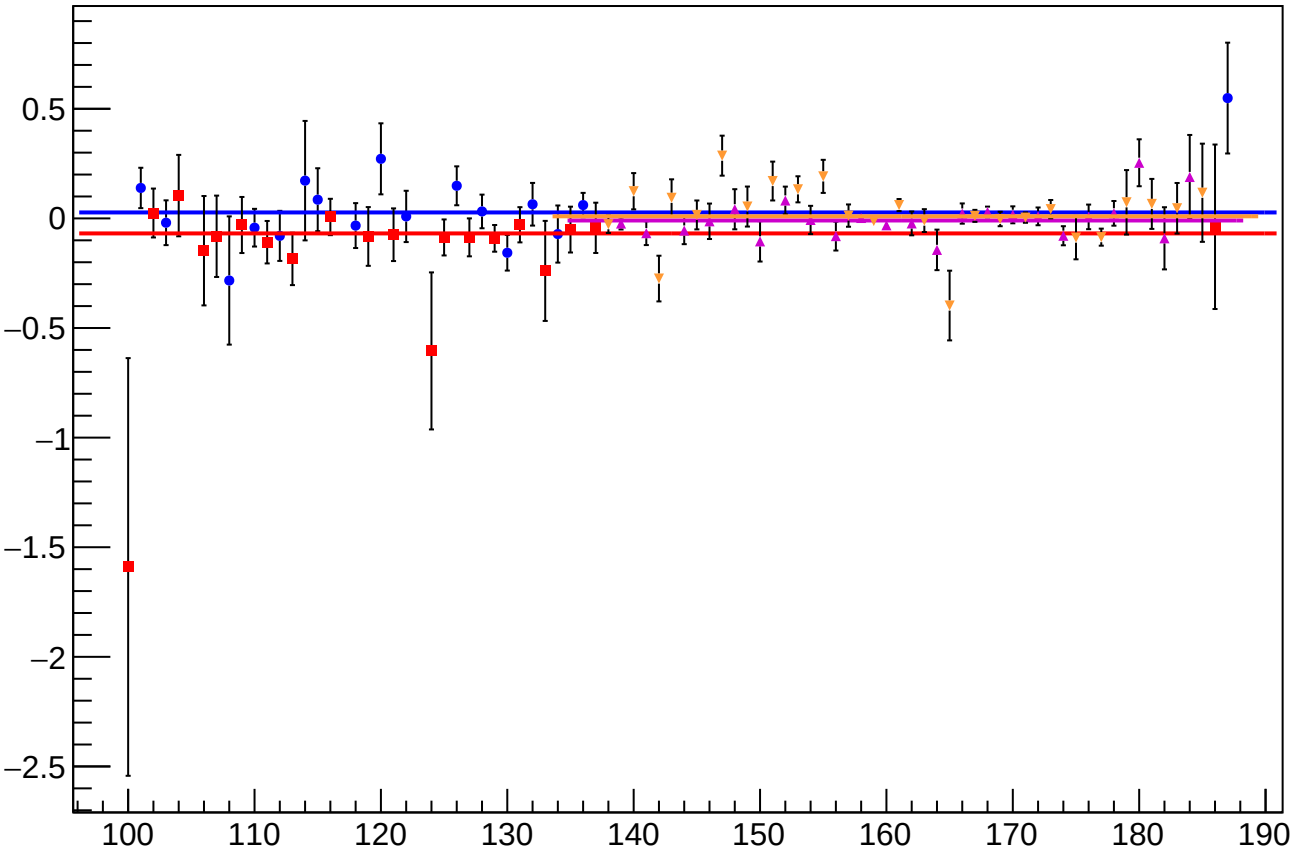
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 2939338.4/36

In: 0.000+/-0.000 χ^2/NDF:7691837.0/39

Out: 0.000+/-0.000 χ^2/NDF:6440074.5/44

All: 0.000+/-0.000 χ^2/NDF: 14314503.3/84



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.068+/-0.025 χ^2/NDF: 9.6/19

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

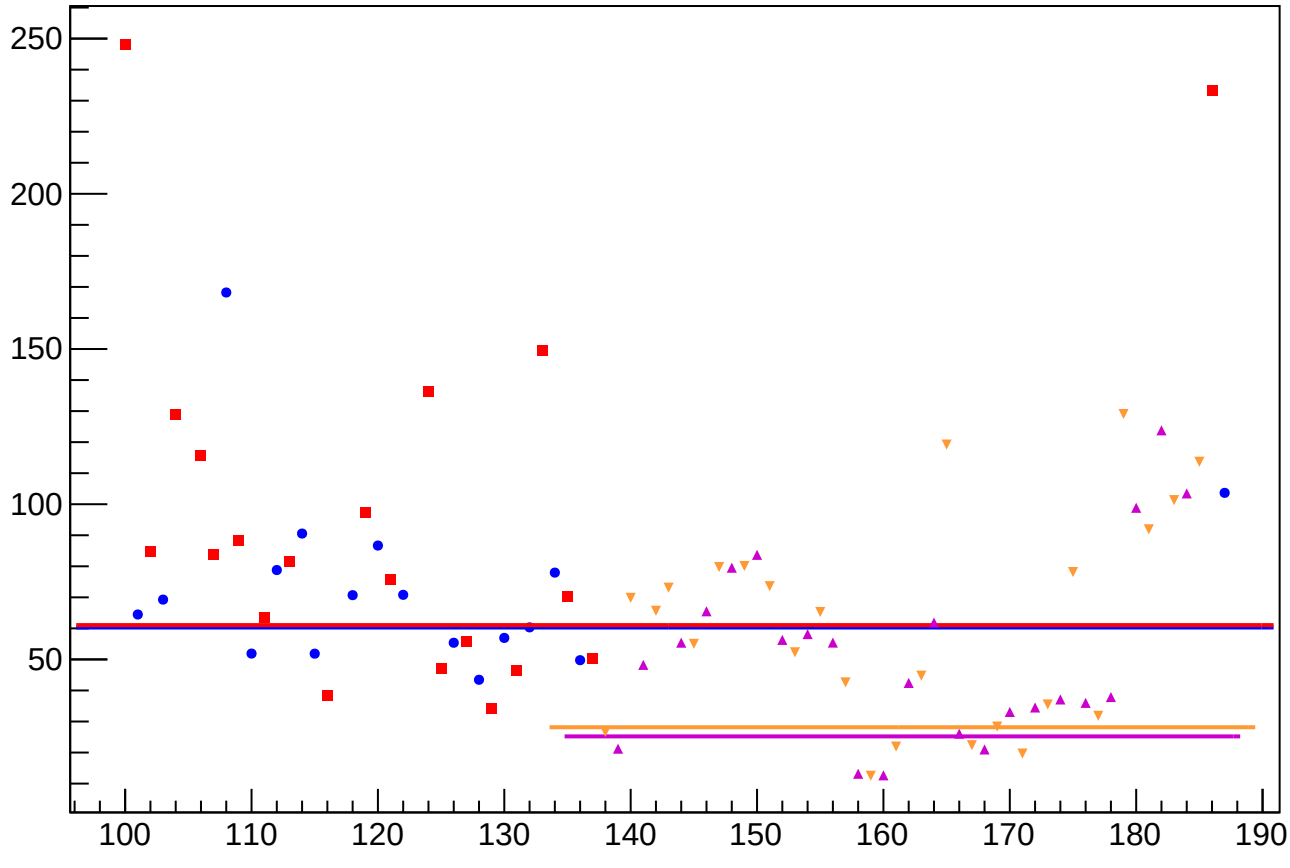
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.018 χ^2/NDF: 36.8/36

In: -0.006+/-0.008 χ^2/NDF:47.0/39

Out: 0.002+/-0.008 χ^2/NDF:72.9/44

All: -0.002+/-0.005 χ^2/NDF: 120.4/84



Right In: 60.281+/-0.017 χ^2/NDF: 758448.1/16

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.060+/-0.018 χ^2/NDF: 2401322.0/19

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

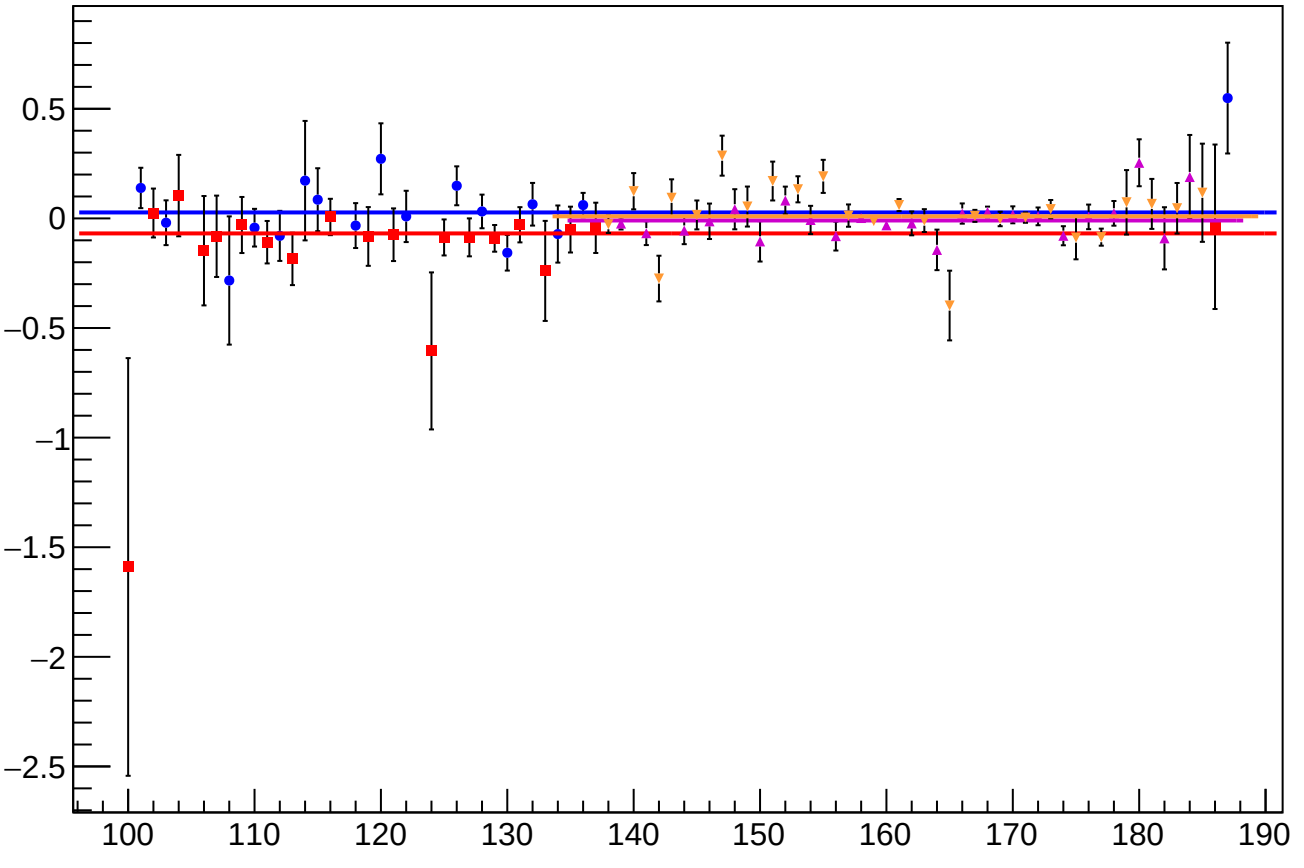
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 60.660+/-0.012 χ^2/NDF: 3160750.9/36

In: 28.513+/-0.005 χ^2/NDF:14417752.7/39

Out: 31.478+/-0.006 χ^2/NDF:16533164.6/44

All: 29.905+/-0.004 χ^2/NDF: 31095995.3/84



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.068+/-0.025 χ^2/NDF: 9.6/19

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

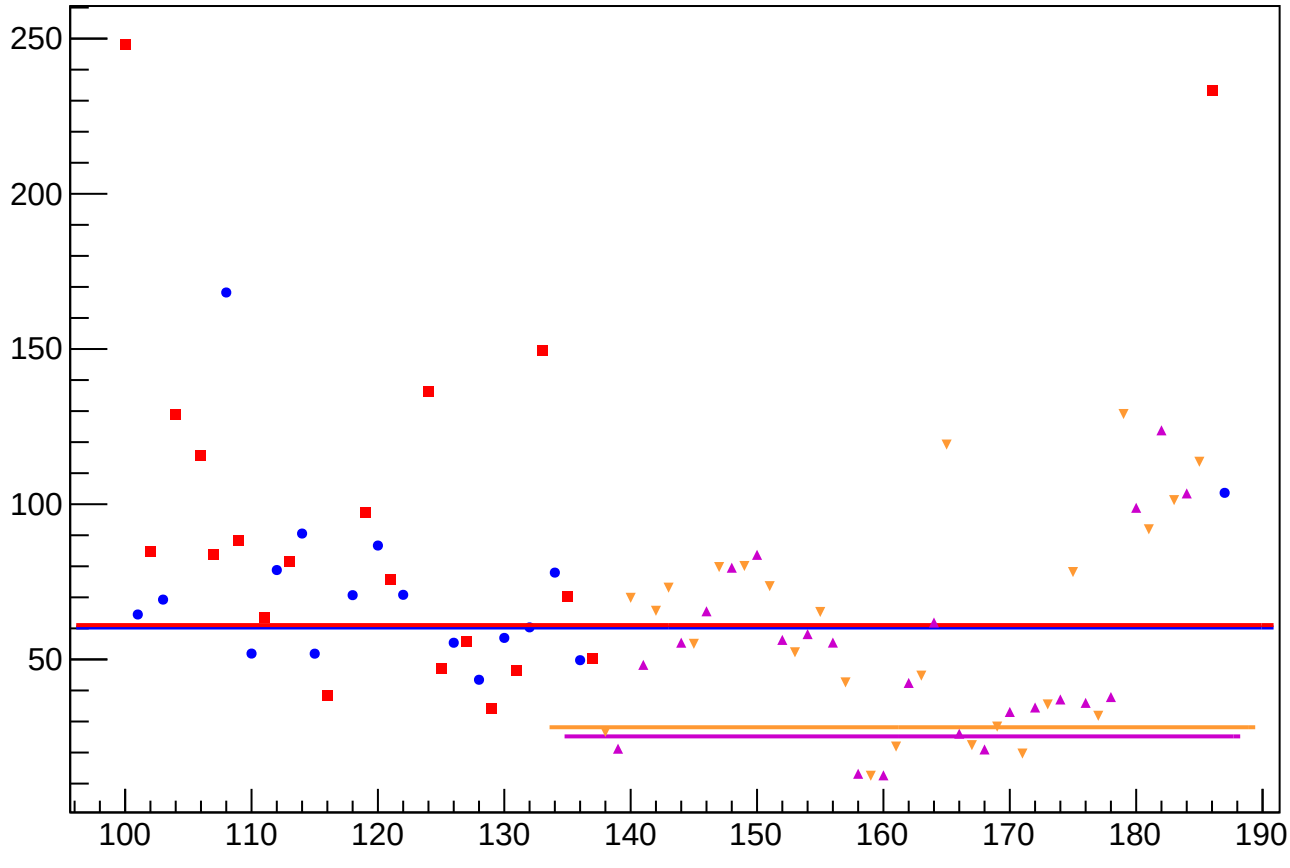
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.018 χ^2/NDF: 36.8/36

In: -0.006+/-0.008 χ^2/NDF:47.0/39

Out: 0.002+/-0.008 χ^2/NDF:72.9/44

All: -0.002+/-0.005 χ^2/NDF: 120.4/84



Right In: 60.281+/-0.017 χ^2/NDF: 758448.1/16

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.060+/-0.018 χ^2/NDF: 2401322.0/19

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

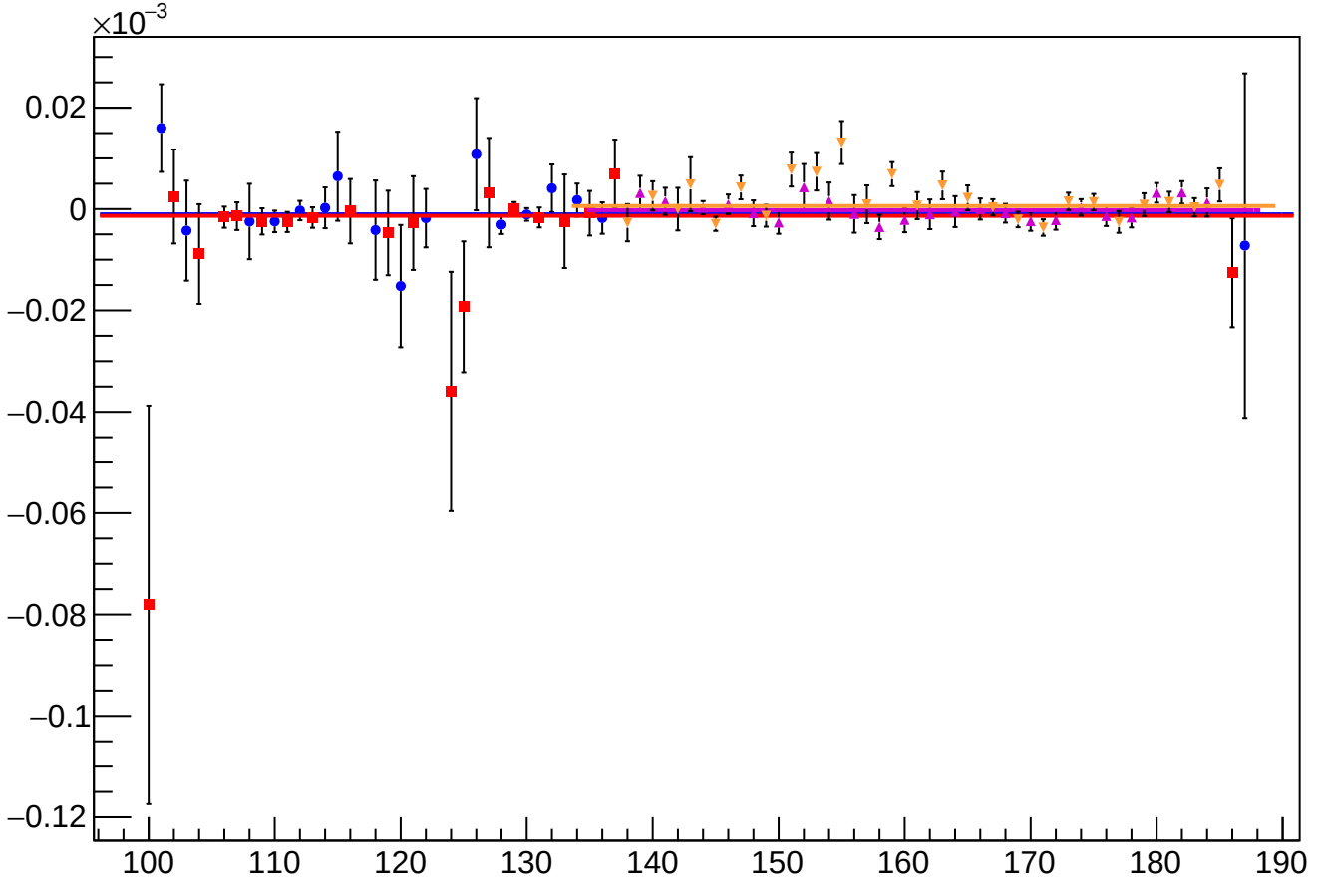
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 60.660+/-0.012 χ^2/NDF: 3160750.9/36

In: 28.513+/-0.005 χ^2/NDF:14417752.7/39

Out: 31.478+/-0.006 χ^2/NDF:16533164.6/44

All: 29.905+/-0.004 χ^2/NDF: 31095995.3/84



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.6/19

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

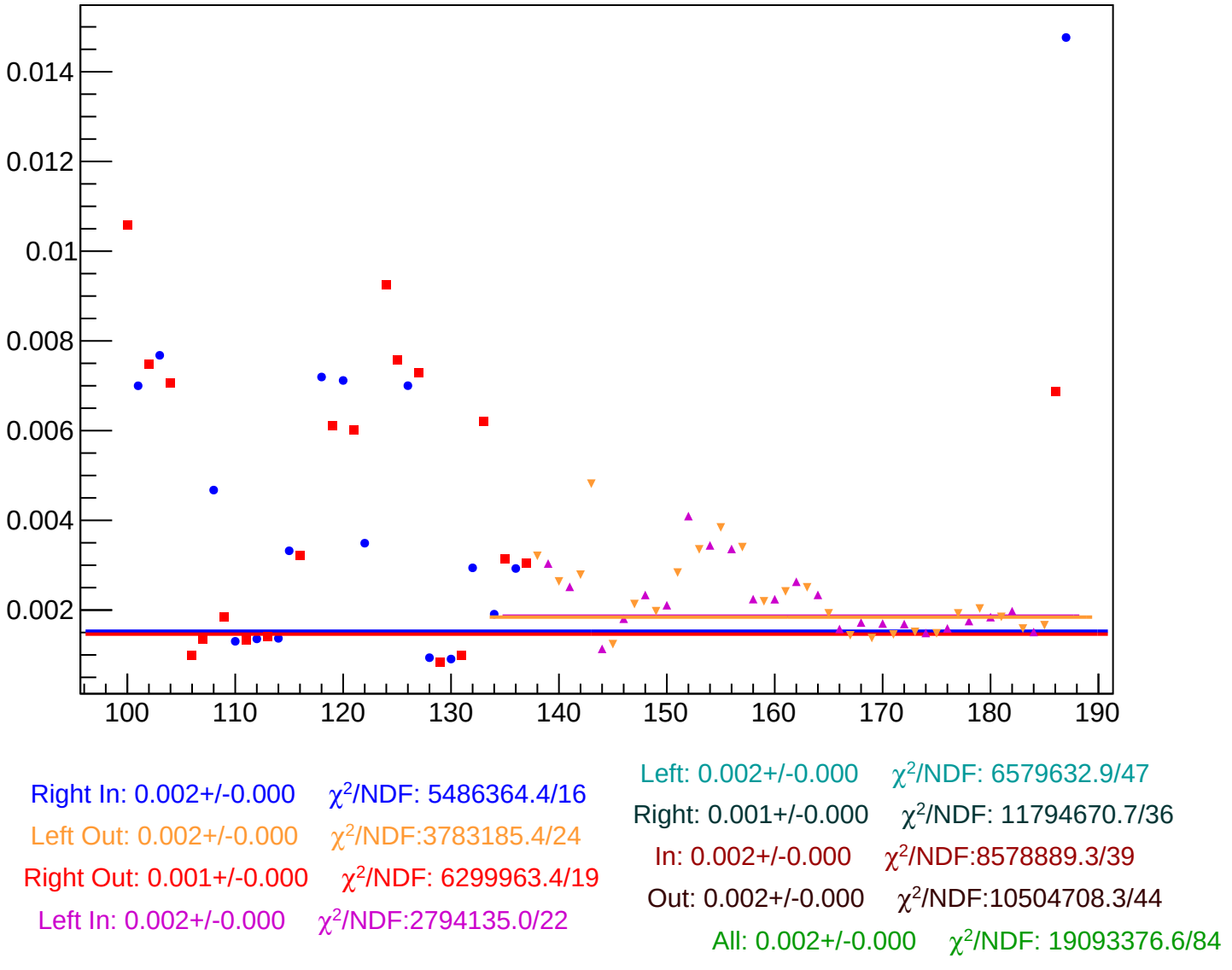
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

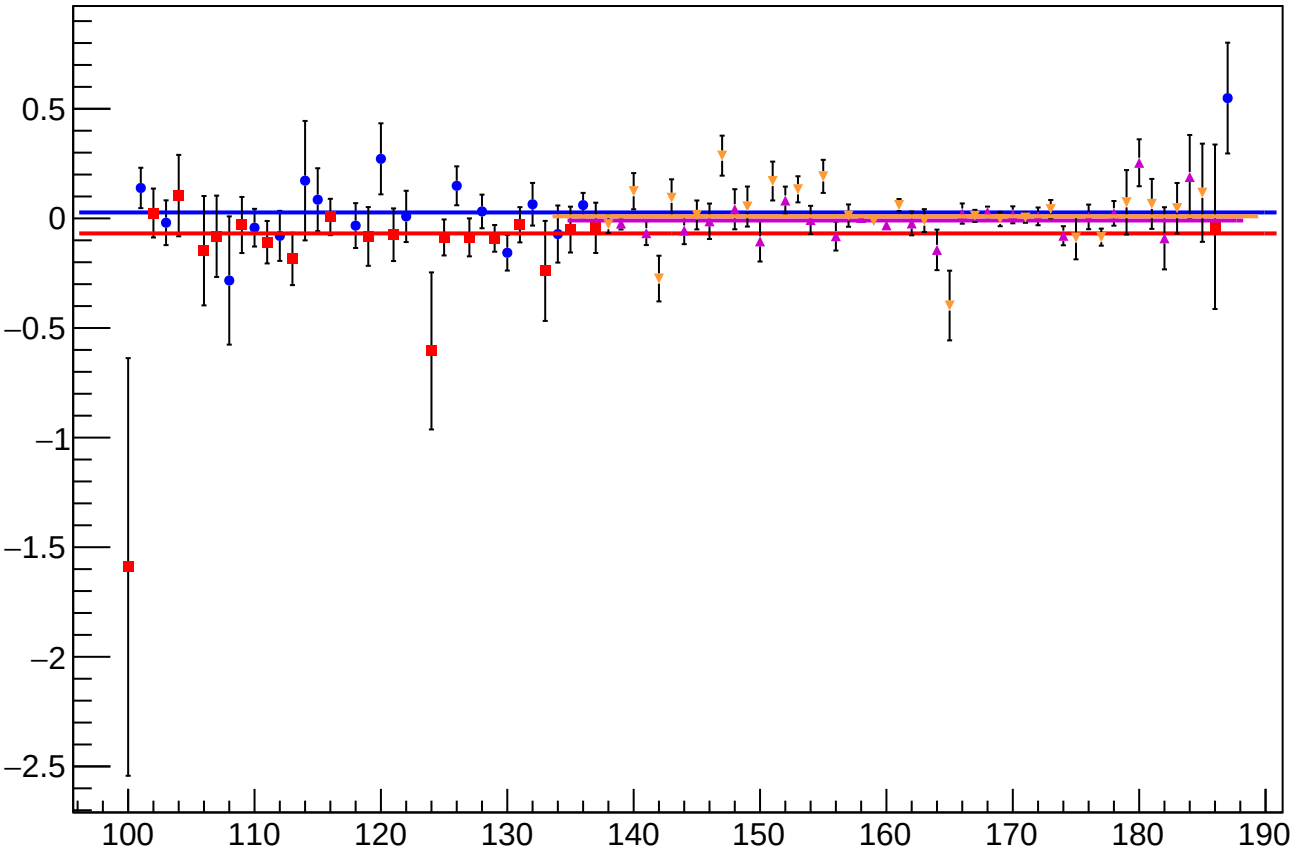
Right: -0.000+/-0.000 χ^2/NDF: 24.9/36

In: -0.000+/-0.000 χ^2/NDF:28.7/39

Out: 0.000+/-0.000 χ^2/NDF:71.4/44

All: -0.000+/-0.000 χ^2/NDF: 100.9/84


asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 5486364.4/16
Left Out: 0.002+/-0.000 χ²/NDF:3783185.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 6299963.4/19
Left In: 0.002+/-0.000 χ²/NDF:2794135.0/22
Left: 0.002+/-0.000 χ²/NDF: 6579632.9/47
Right: 0.001+/-0.000 χ²/NDF: 11794670.7/36
In: 0.002+/-0.000 χ²/NDF:8578889.3/39
Out: 0.002+/-0.000 χ²/NDF:10504708.3/44
All: 0.002+/-0.000 χ²/NDF: 19093376.6/84



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/19

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

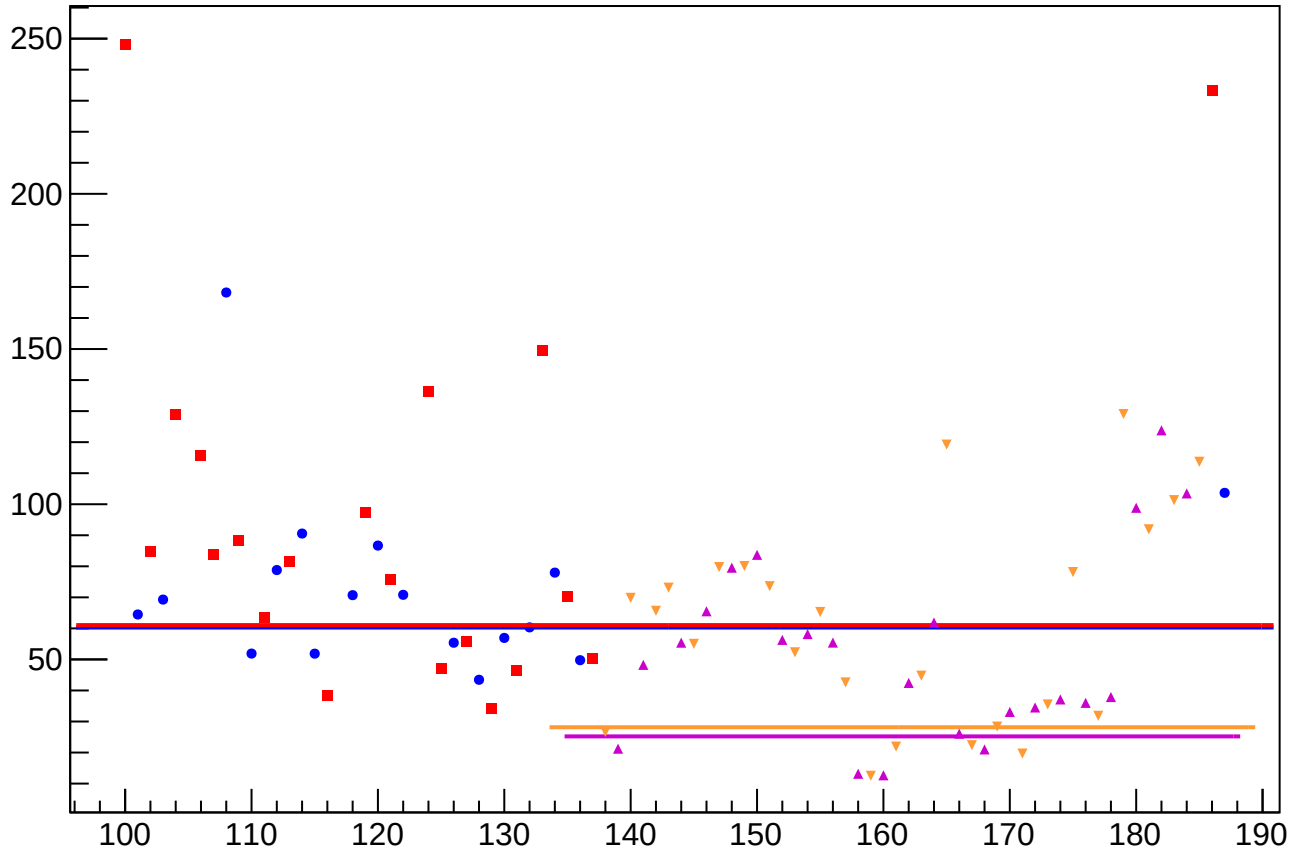
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.018 χ^2/NDF: 36.8/36

In: -0.006+/-0.008 χ^2/NDF:47.0/39

Out: 0.002+/-0.008 χ^2/NDF:72.9/44

All: -0.002+/-0.005 χ^2/NDF: 120.4/84



Right In: 60.282+/-0.017 χ^2/NDF: 758508.8/16

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.061+/-0.018 χ^2/NDF: 2401398.1/19

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

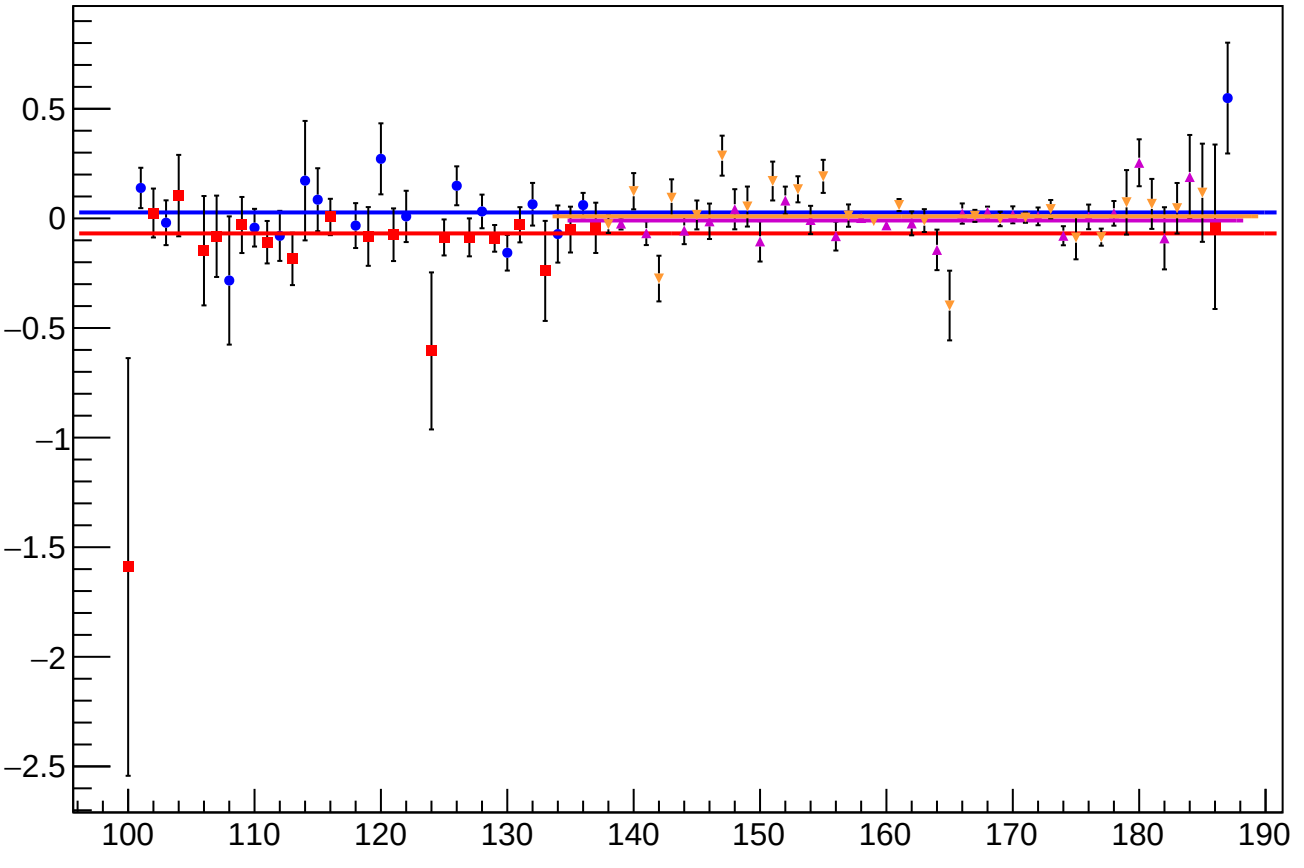
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 60.661+/-0.012 χ^2/NDF: 3160887.1/36

In: 28.513+/-0.005 χ^2/NDF:14418456.4/39

Out: 31.477+/-0.006 χ^2/NDF:16534578.3/44

All: 29.904+/-0.004 χ^2/NDF: 31098033.0/84



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/19

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

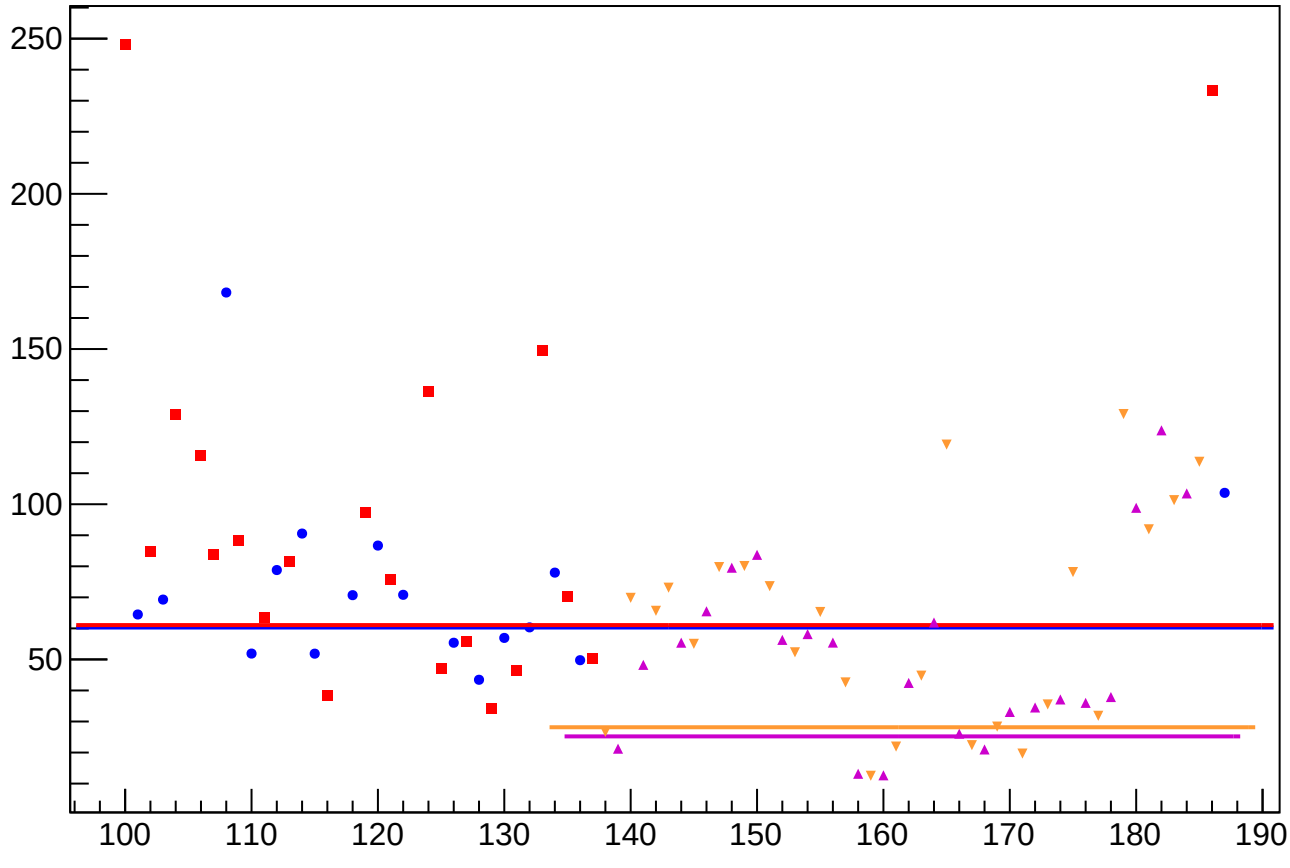
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.018 χ^2/NDF: 36.8/36

In: -0.006+/-0.008 χ^2/NDF:47.0/39

Out: 0.002+/-0.008 χ^2/NDF:72.9/44

All: -0.002+/-0.005 χ^2/NDF: 120.4/84



Right In: 60.282+/-0.017 χ^2/NDF: 758508.8/16

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.061+/-0.018 χ^2/NDF: 2401398.1/19

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

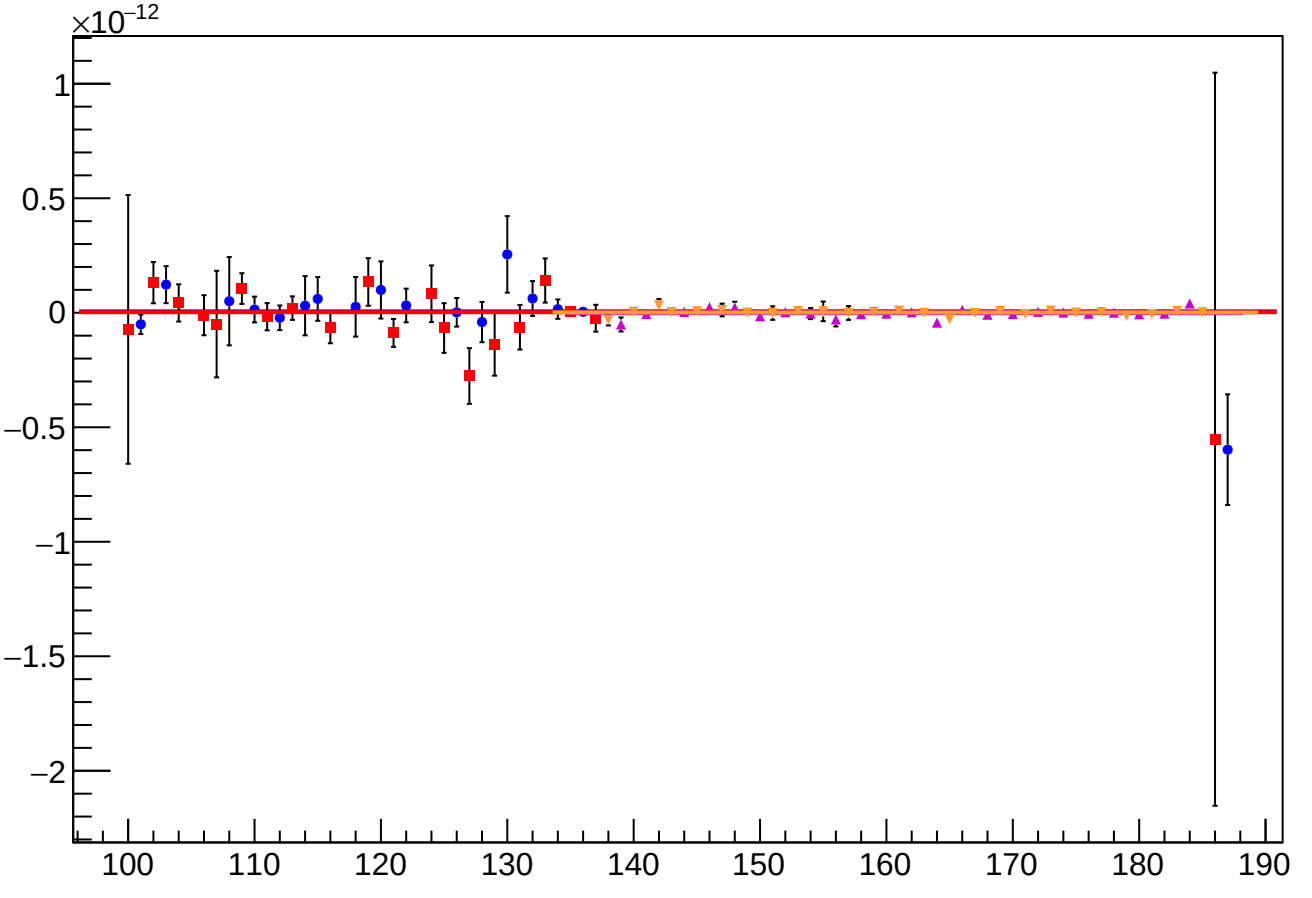
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 60.661+/-0.012 χ^2/NDF: 3160887.1/36

In: 28.513+/-0.005 χ^2/NDF:14418456.4/39

Out: 31.477+/-0.006 χ^2/NDF:16534578.3/44

All: 29.904+/-0.004 χ^2/NDF: 31098033.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/19

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

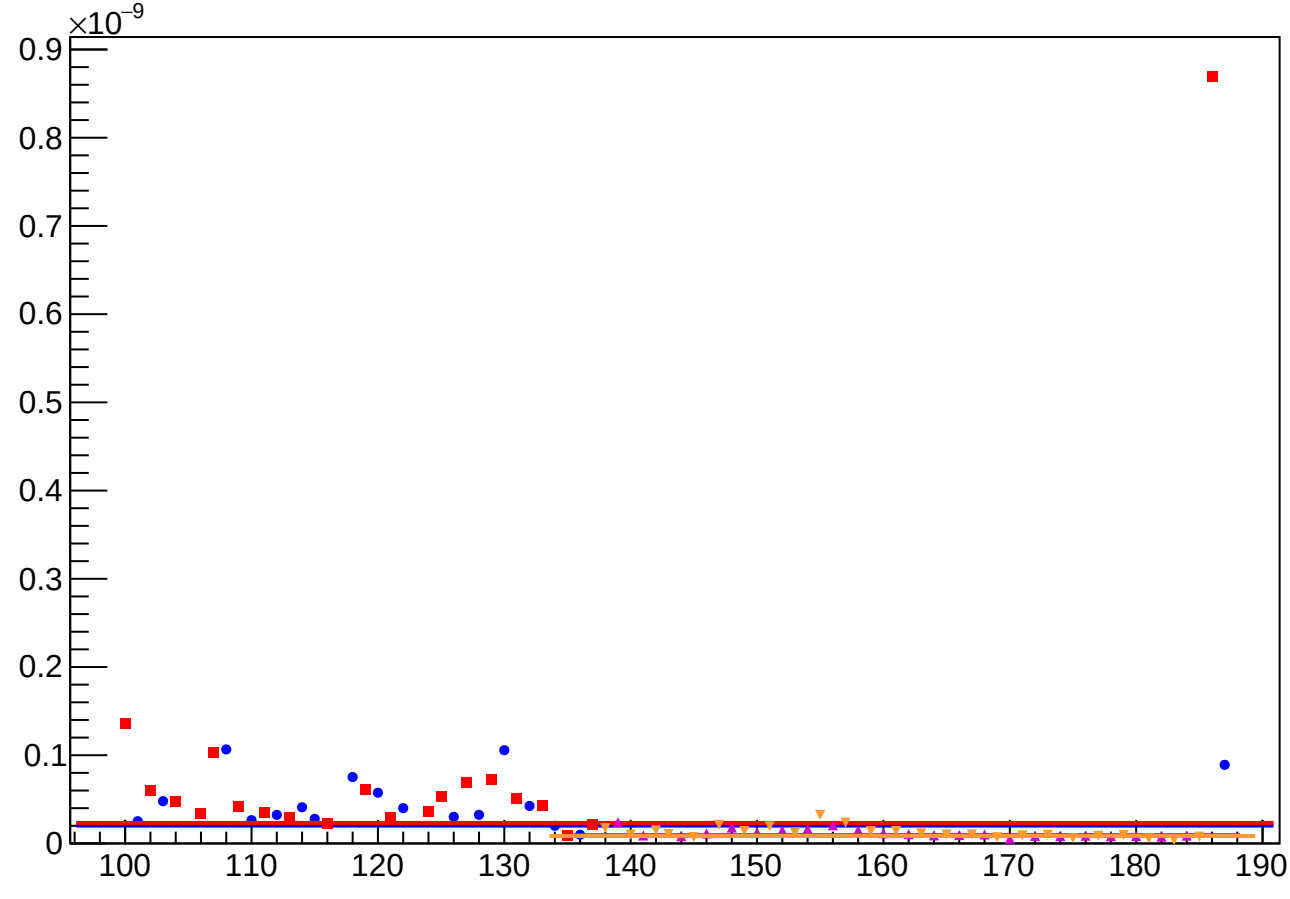
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 34.5/36

In: -0.000+/-0.000 χ^2/NDF:35.9/39

Out: 0.000+/-0.000 χ^2/NDF:31.1/44

All: 0.000+/-0.000 χ^2/NDF: 67.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 3284248.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4089987.1/19

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

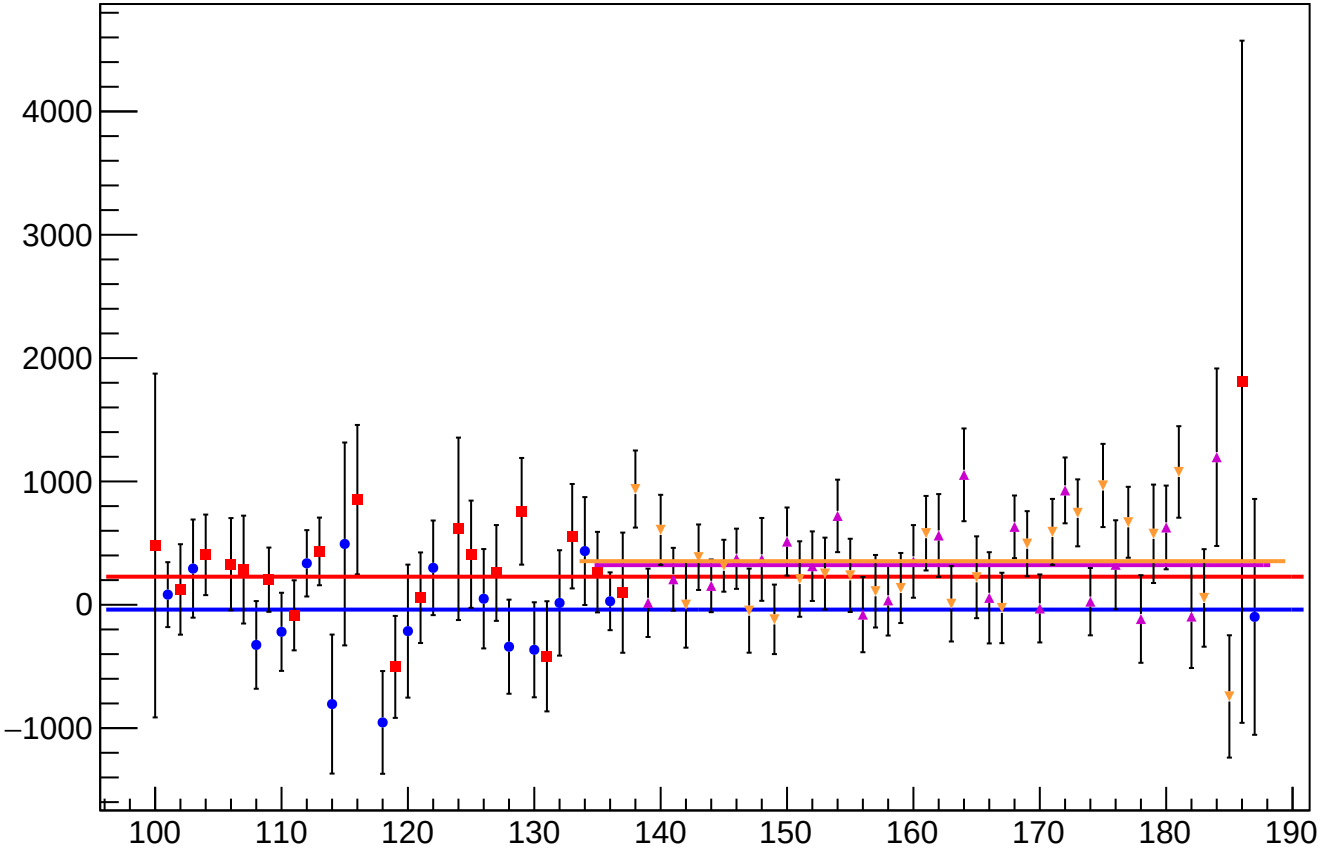
Right: 0.000+/-0.000 χ^2/NDF: 7427571.1/36

In: 0.000+/-0.000 χ^2/NDF:6951050.6/39

Out: 0.000+/-0.000 χ^2/NDF:10727852.6/44

All: 0.000+/-0.000 χ^2/NDF: 17796251.7/84

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -39.027+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 227.765+/-87.864 χ^2/NDF: 11.7/19

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

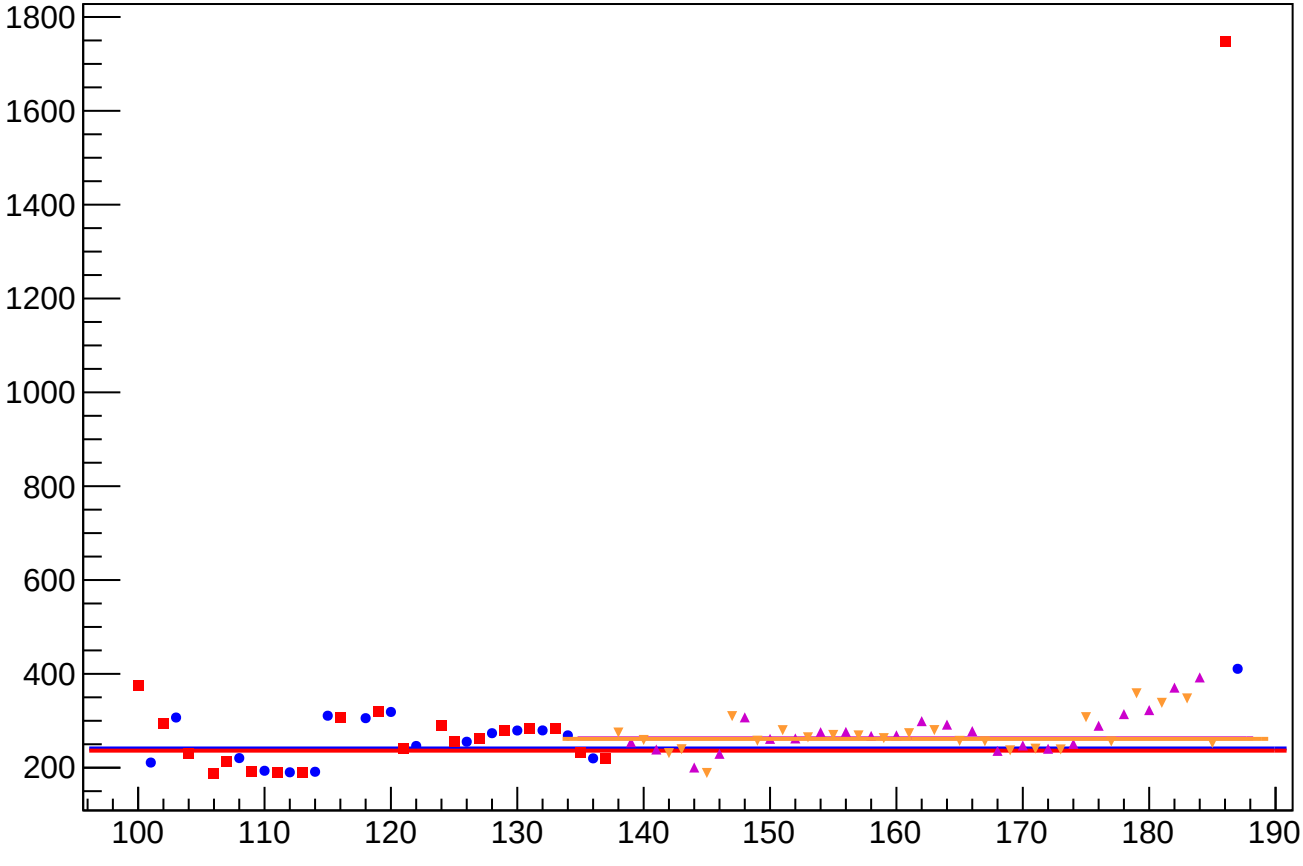
Right: 97.890+/-62.944 χ^2/NDF: 30.7/36

In: 205.564+/-51.160 χ^2/NDF:51.5/39

Out: 313.458+/-49.633 χ^2/NDF:45.5/44

All: 261.145+/-35.623 χ^2/NDF: 99.3/84

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 240.974+/-0.064 χ^2/NDF: 464598.4/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 236.382+/-0.062 χ^2/NDF: 1079550.1/19

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

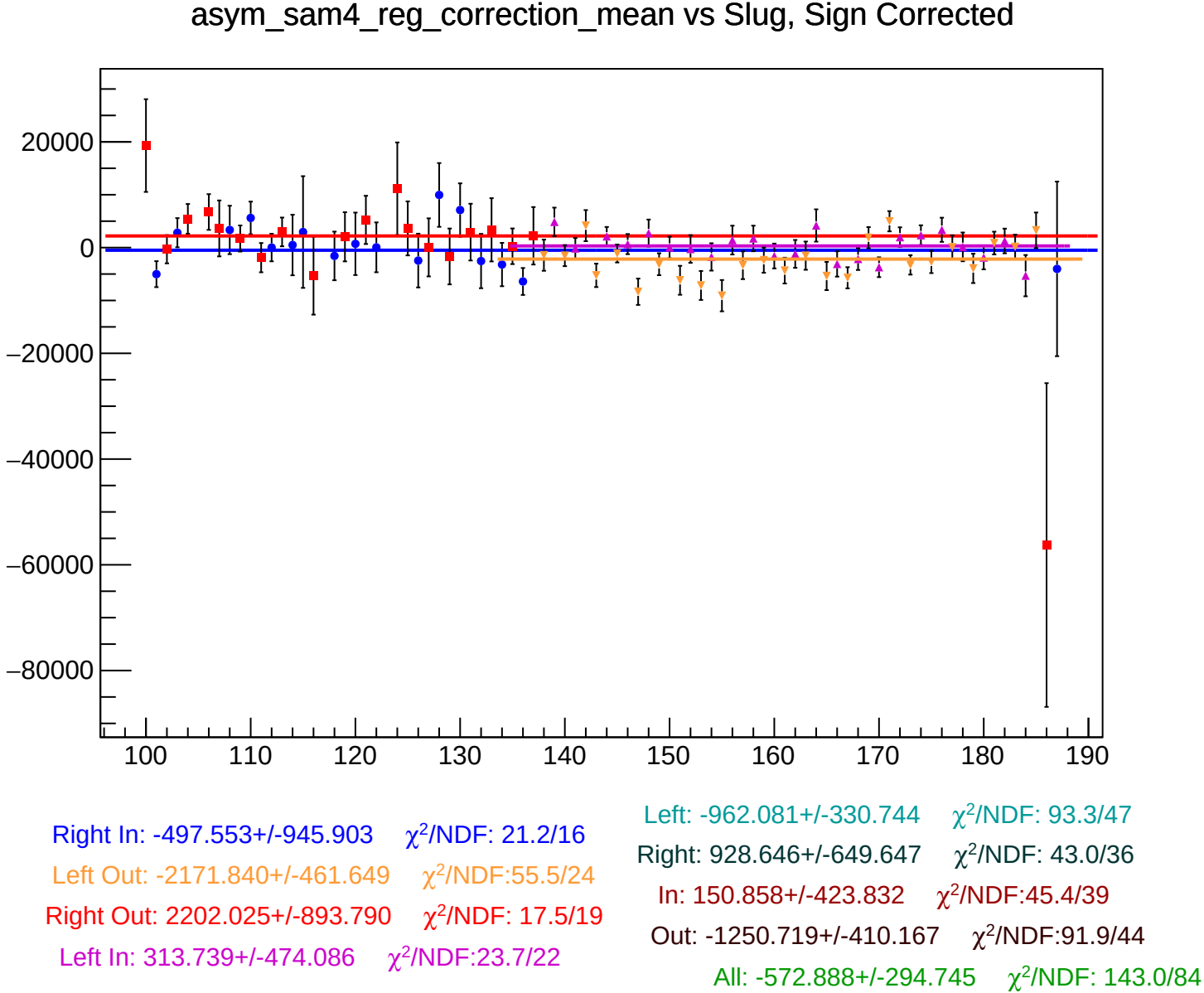
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

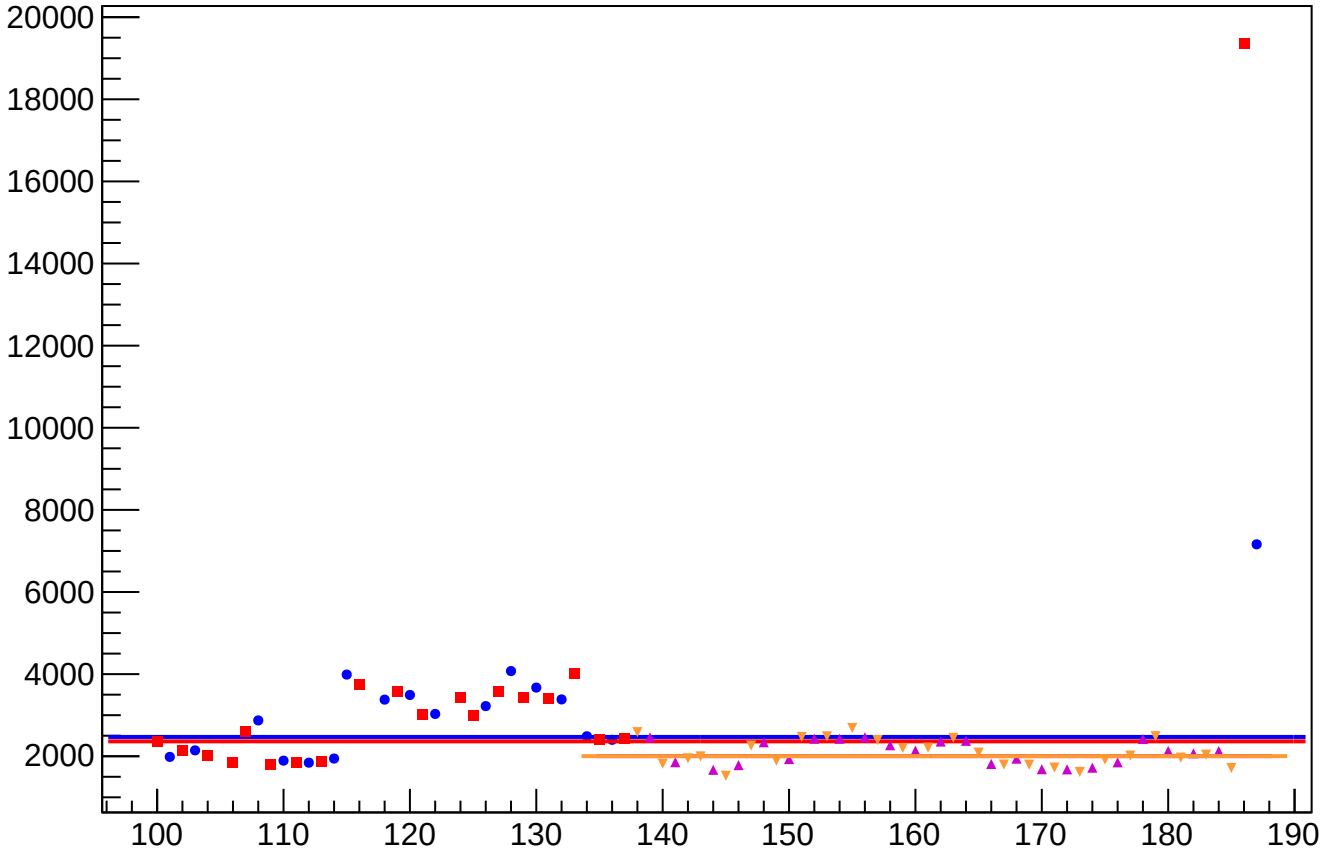
Right: 238.617+/-0.045 χ^2/NDF: 1546808.4/36

In: 255.656+/-0.036 χ^2/NDF:1213329.4/39

Out: 253.464+/-0.035 χ^2/NDF:1906046.3/44

All: 254.527+/-0.025 χ^2/NDF: 3121267.2/84


asym_sam4_reg_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: -497.553+/-945.903 χ²/NDF: 21.2/16
Left Out: -2171.840+/-461.649 χ²/NDF:55.5/24
Right Out: 2202.025+/-893.790 χ²/NDF: 17.5/19
Left In: 313.739+/-474.086 χ²/NDF:23.7/22
Left: -962.081+/-330.744 χ²/NDF: 93.3/47
Right: 928.646+/-649.647 χ²/NDF: 43.0/36
In: 150.858+/-423.832 χ²/NDF:45.4/39
Out: -1250.719+/-410.167 χ²/NDF:91.9/44
All: -572.888+/-294.745 χ²/NDF: 143.0/84



Right In: 2470.548+/-0.669 χ^2/NDF: 1056352.0/16

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2362.944+/-0.632 χ^2/NDF: 1669269.0/19

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

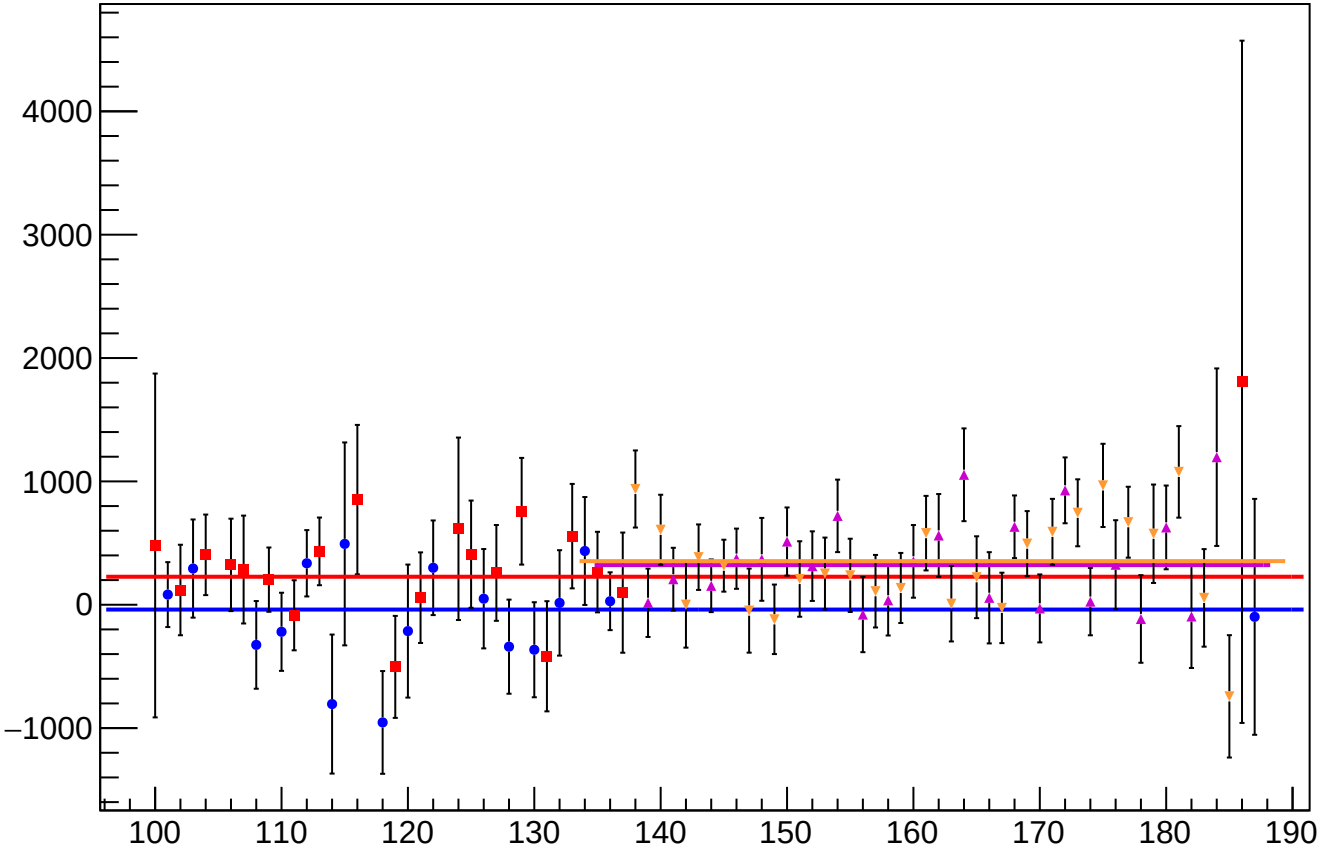
Right: 2413.700+/-0.459 χ^2/NDF: 2739294.3/36

In: 2097.863+/-0.300 χ^2/NDF:2149733.4/39

Out: 2078.194+/-0.290 χ^2/NDF:2819126.5/44

All: 2087.706+/-0.208 χ^2/NDF: 4971083.9/84

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -39.049+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 227.112+/-87.877 χ^2/NDF: 11.7/19

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

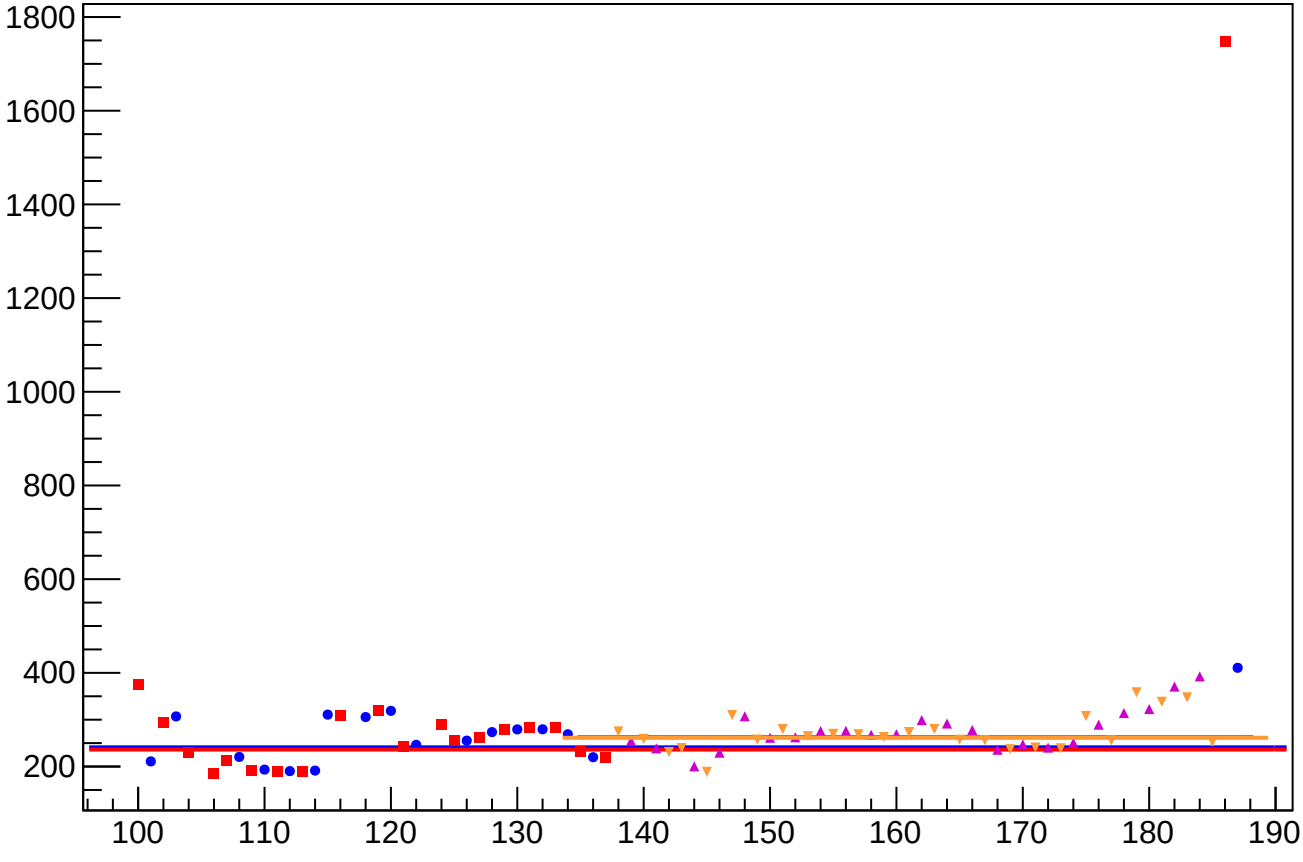
Right: 97.524+/-62.949 χ^2/NDF: 30.7/36

In: 205.560+/-51.160 χ^2/NDF:51.5/39

Out: 313.274+/-49.635 χ^2/NDF:45.5/44

All: 261.046+/-35.624 χ^2/NDF: 99.3/84

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 240.974+/-0.064 χ^2/NDF: 464600.8/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 236.260+/-0.062 χ^2/NDF: 1083169.1/19

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

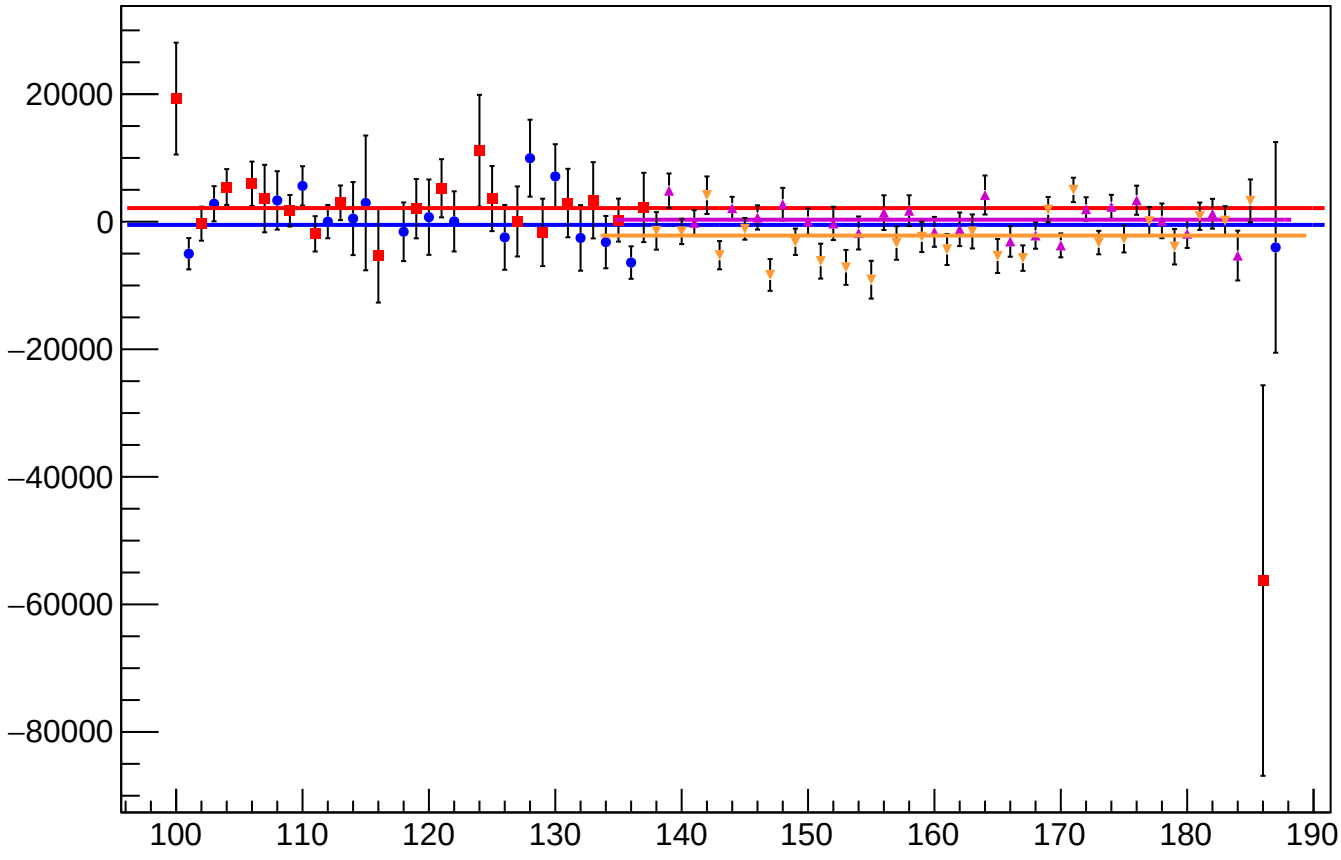
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 238.555+/-0.045 χ^2/NDF: 1550571.6/36

In: 255.656+/-0.036 χ^2/NDF:1213331.4/39

Out: 253.427+/-0.035 χ^2/NDF:1910716.3/44

All: 254.508+/-0.025 χ^2/NDF: 3126003.4/84



Right In: -497.724+/-945.911 χ^2/NDF: 21.2/16

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2134.829+/-895.479 χ^2/NDF: 16.9/19

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

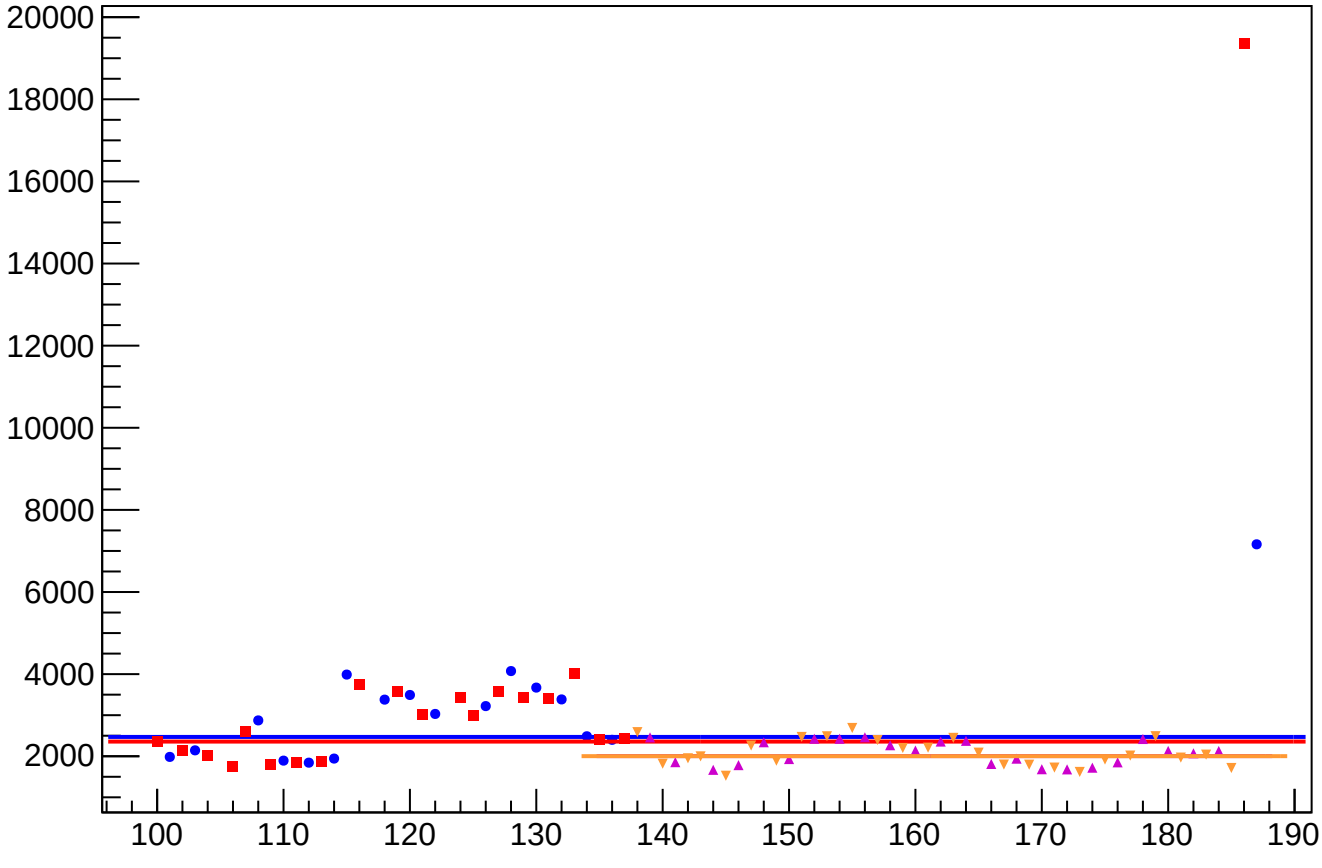
Right: 890.599+/-650.298 χ^2/NDF: 42.2/36

In: 150.830+/-423.833 χ^2/NDF:45.4/39

Out: -1267.548+/-410.330 χ^2/NDF:90.7/44

All: -581.312+/-294.805 χ^2/NDF: 141.9/84

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 2470.573+/-0.669 χ^2/NDF: 1056318.8/16

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2357.513+/-0.633 χ^2/NDF: 1687631.5/19

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

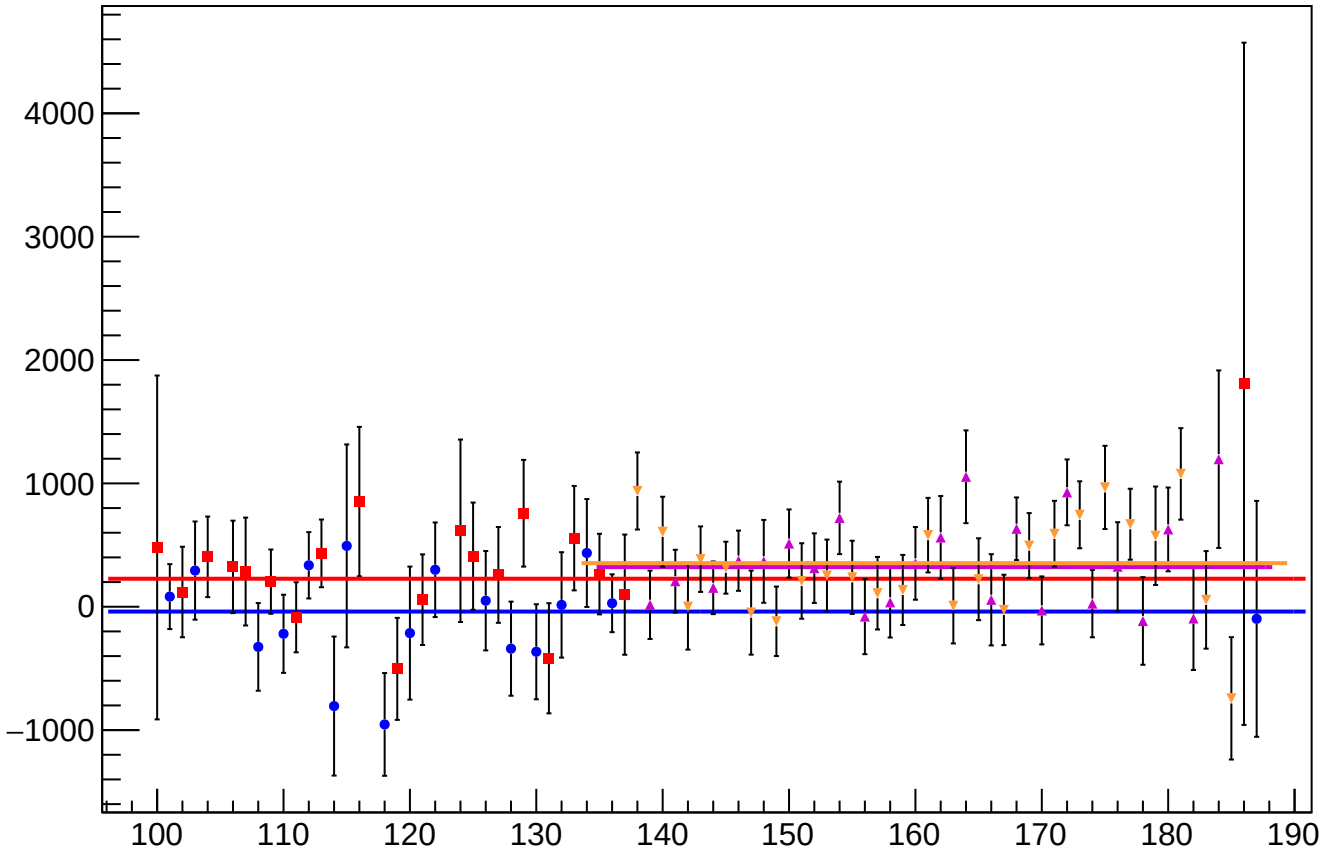
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2410.949+/-0.460 χ^2/NDF: 2759018.3/36

In: 2097.867+/-0.300 χ^2/NDF:2149735.6/39

Out: 2076.828+/-0.290 χ^2/NDF:2829060.2/44

All: 2087.007+/-0.208 χ^2/NDF: 4981339.7/84



Right In: -39.049+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 227.112+/-87.877 χ^2/NDF: 11.7/19

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

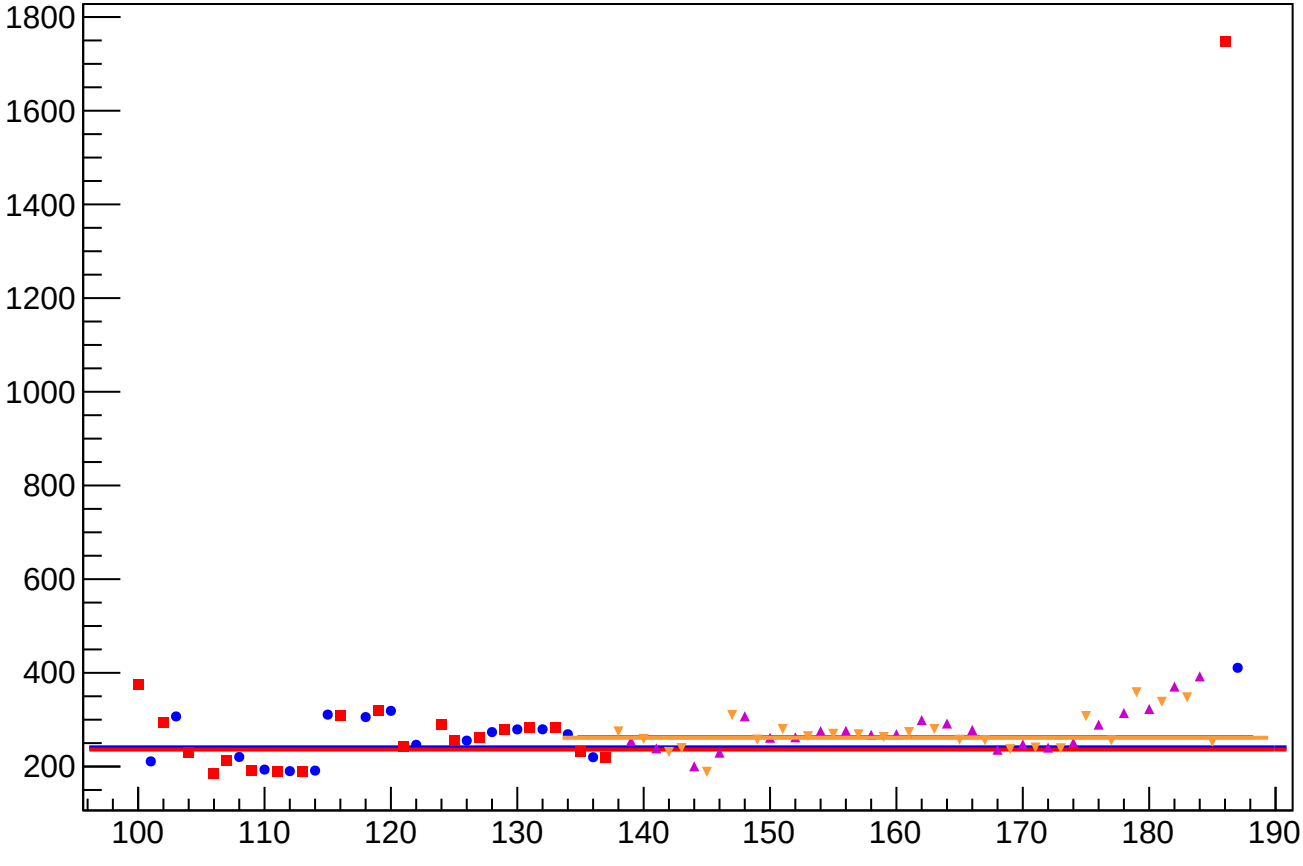
Right: 97.524+/-62.949 χ^2/NDF: 30.7/36

In: 205.560+/-51.160 χ^2/NDF:51.5/39

Out: 313.274+/-49.635 χ^2/NDF:45.5/44

All: 261.046+/-35.624 χ^2/NDF: 99.3/84

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 240.974+/-0.064 χ^2/NDF: 464600.8/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 236.260+/-0.062 χ^2/NDF: 1083169.1/19

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

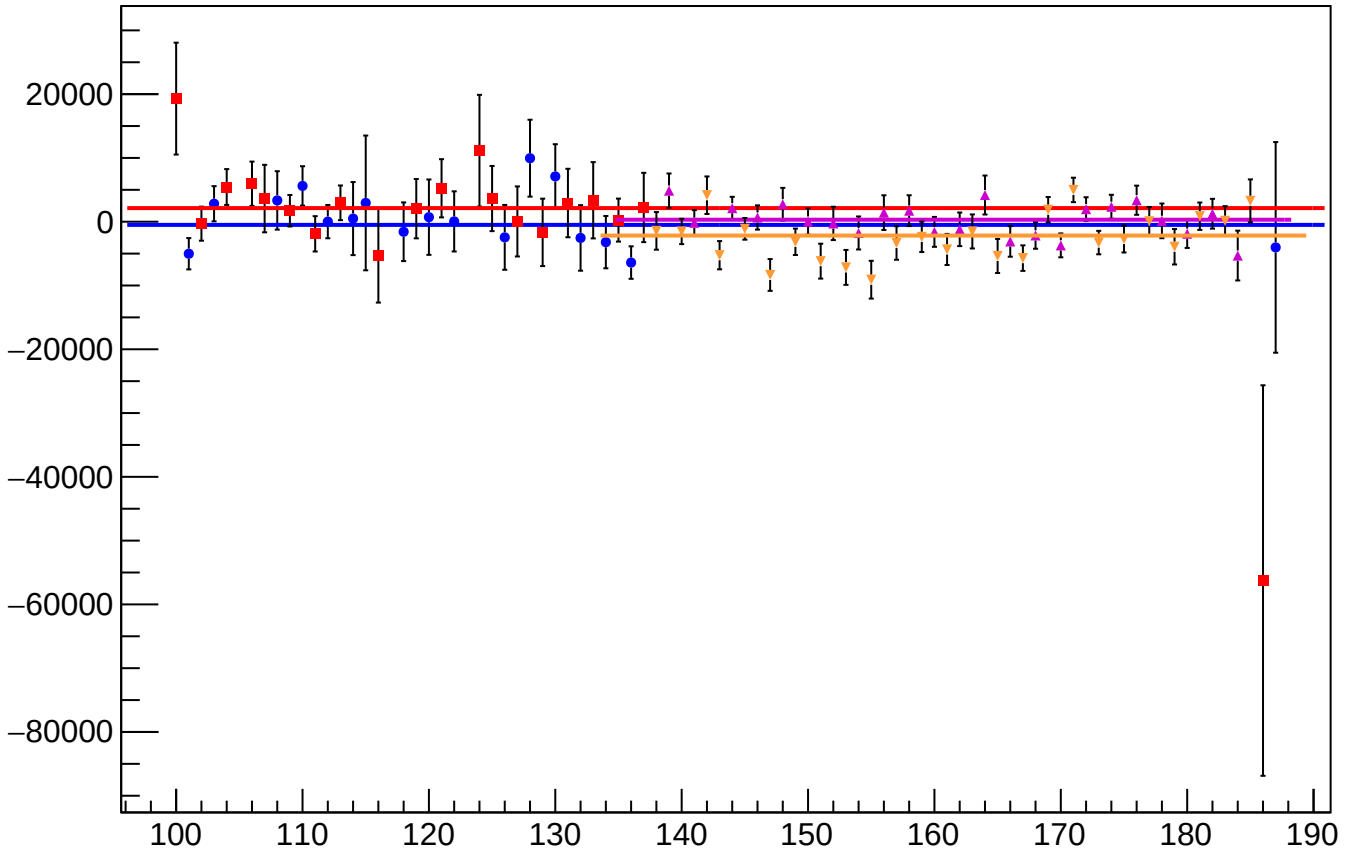
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 238.555+/-0.045 χ^2/NDF: 1550571.6/36

In: 255.656+/-0.036 χ^2/NDF:1213331.4/39

Out: 253.427+/-0.035 χ^2/NDF:1910716.3/44

All: 254.508+/-0.025 χ^2/NDF: 3126003.4/84



Right In: -497.724+/-945.911 χ^2/NDF: 21.2/16

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2134.829+/-895.479 χ^2/NDF: 16.9/19

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

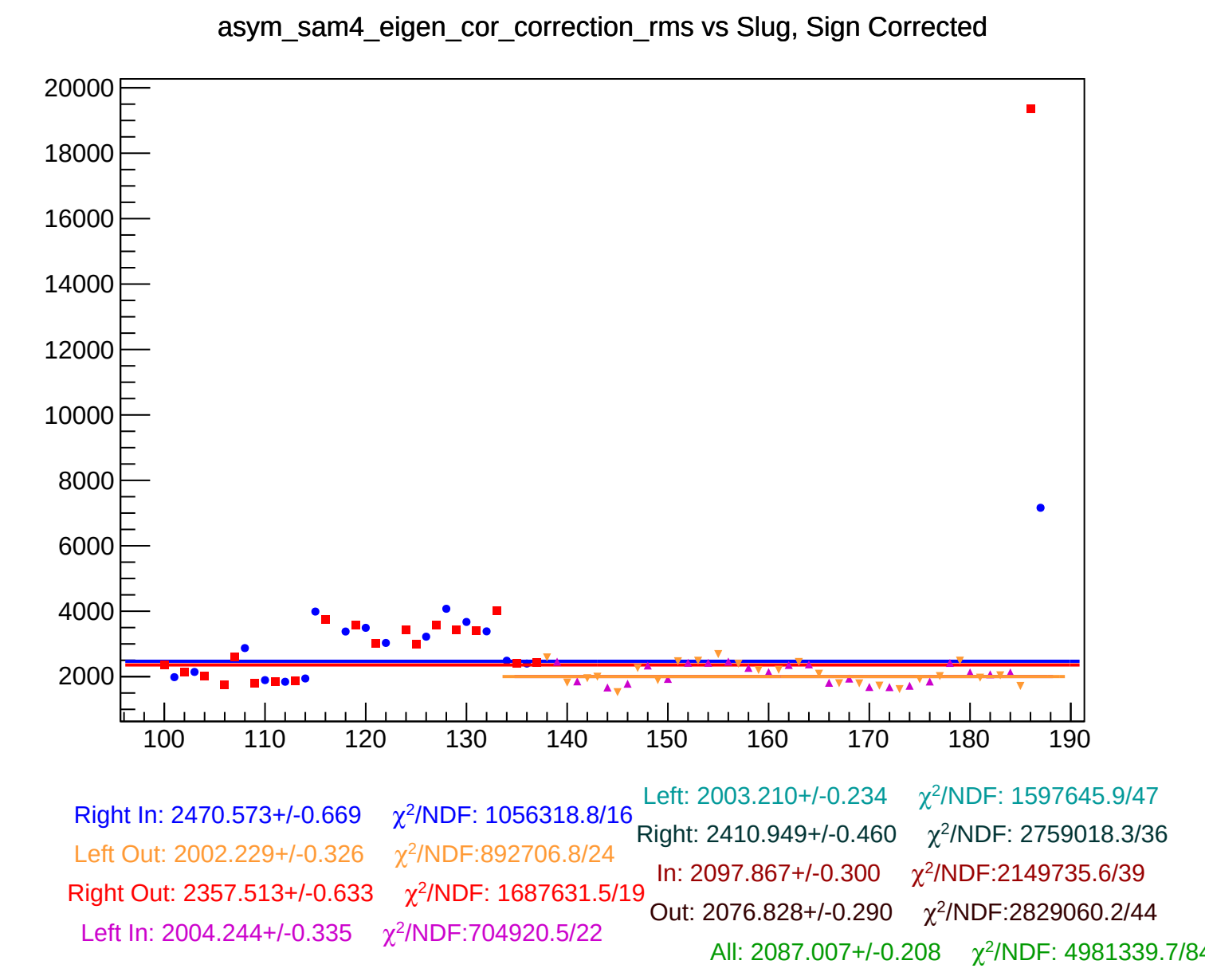
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 890.599+/-650.298 χ^2/NDF: 42.2/36

In: 150.830+/-423.833 χ^2/NDF:45.4/39

Out: -1267.548+/-410.330 χ^2/NDF:90.7/44

All: -581.312+/-294.805 χ^2/NDF: 141.9/84


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
20000
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14000
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10000
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2000
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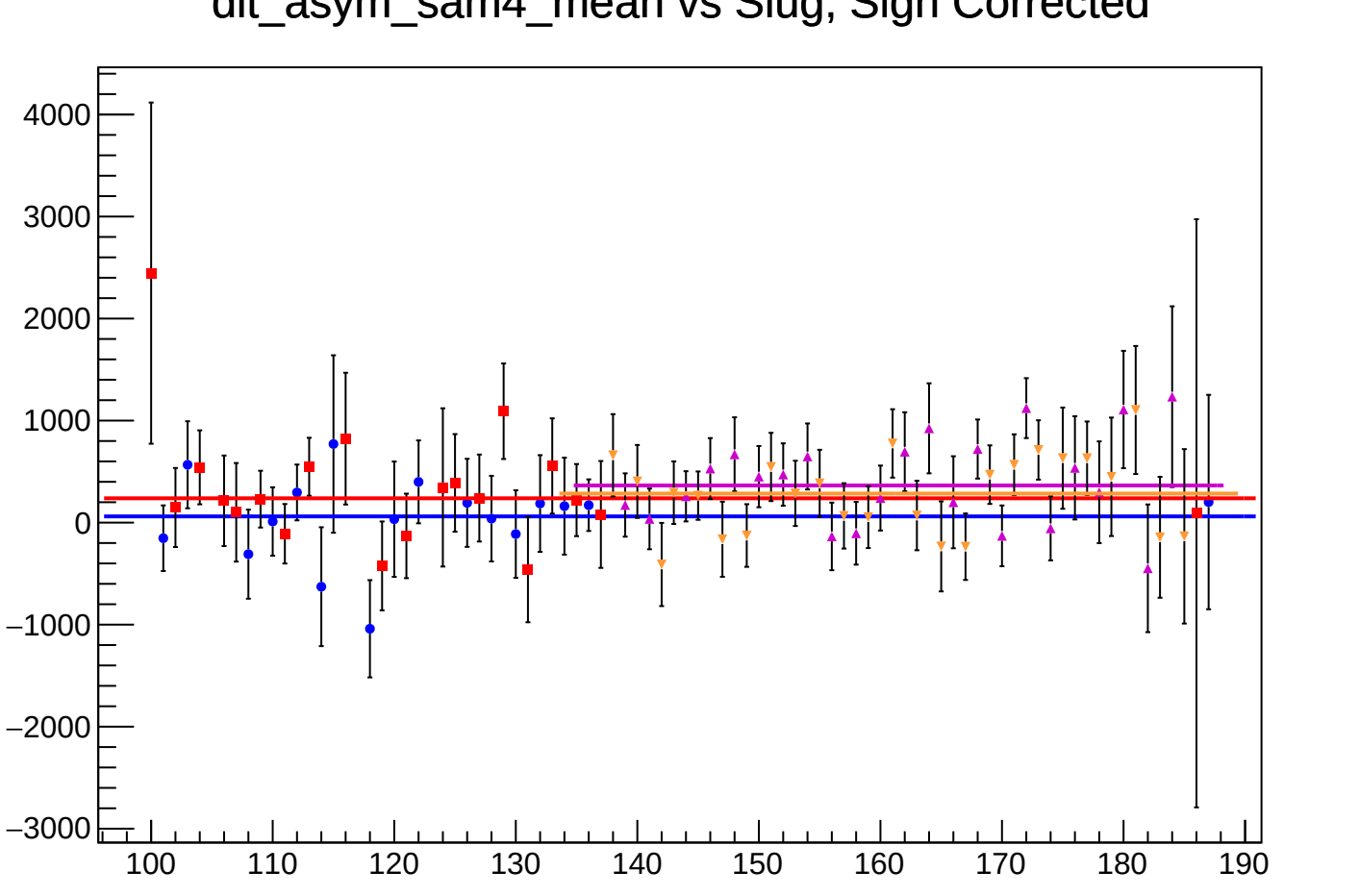
170
180
190
Right In: 2470.573+/-0.669 χ²/NDF: 1056318.8/16
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2357.513+/-0.633 χ²/NDF: 1687631.5/19
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2410.949+/-0.460 χ²/NDF: 2759018.3/36
In: 2097.867+/-0.300 χ²/NDF:2149735.6/39
Out: 2076.828+/-0.290 χ²/NDF:2829060.2/44
All: 2087.007+/-0.208 χ²/NDF: 4981339.7/84



Right In: 60.982+/-98.790 χ^2/NDF: 12.0/16

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 238.356+/-95.011 χ^2/NDF: 14.9/19

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

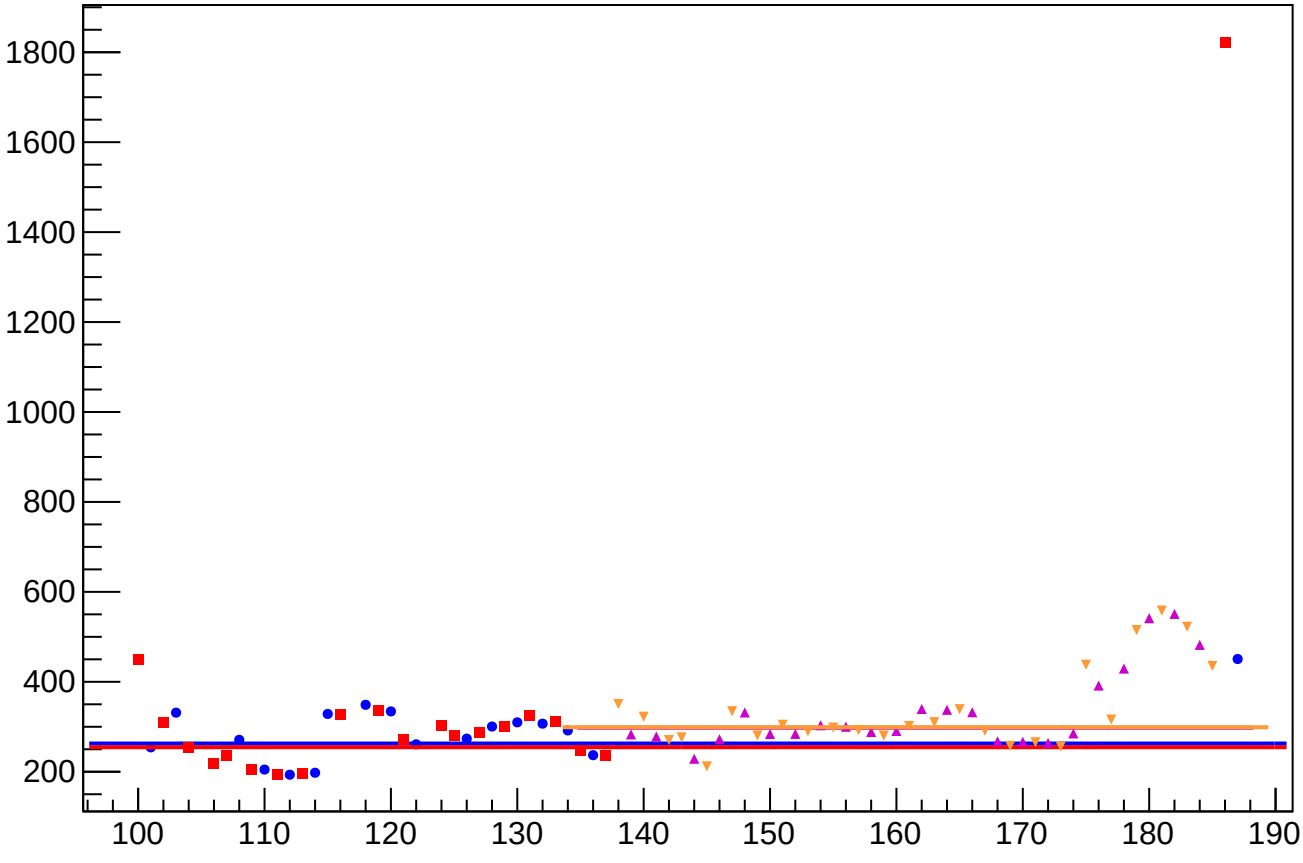
Right: 153.127+/-68.480 χ^2/NDF: 28.6/36

In: 259.534+/-58.035 χ^2/NDF:46.4/39

Out: 268.522+/-56.375 χ^2/NDF:37.9/44

All: 264.158+/-40.437 χ^2/NDF: 84.3/84

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 262.765+/-0.070 χ^2/NDF: 527209.6/16

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 254.492+/-0.067 χ^2/NDF: 1129113.1/19

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

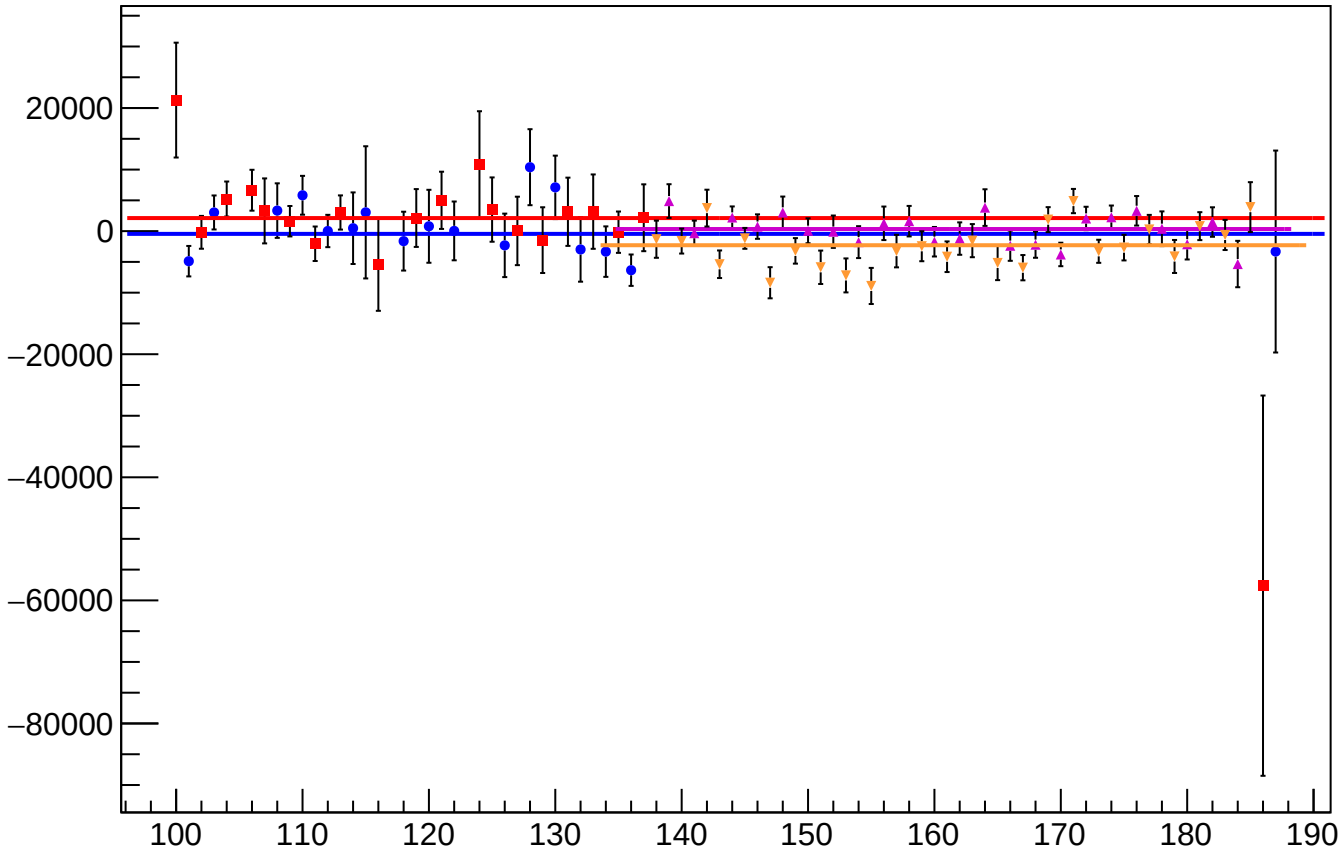
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 258.467+/-0.048 χ^2/NDF: 1663609.2/36

In: 285.765+/-0.041 χ^2/NDF:2011808.8/39

Out: 283.290+/-0.040 χ^2/NDF:3025775.1/44

All: 284.491+/-0.029 χ^2/NDF: 5039455.9/84



Right In: -446.459+/-953.519 χ^2/NDF: 21.2/16

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2121.275+/-900.719 χ^2/NDF: 17.7/19

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

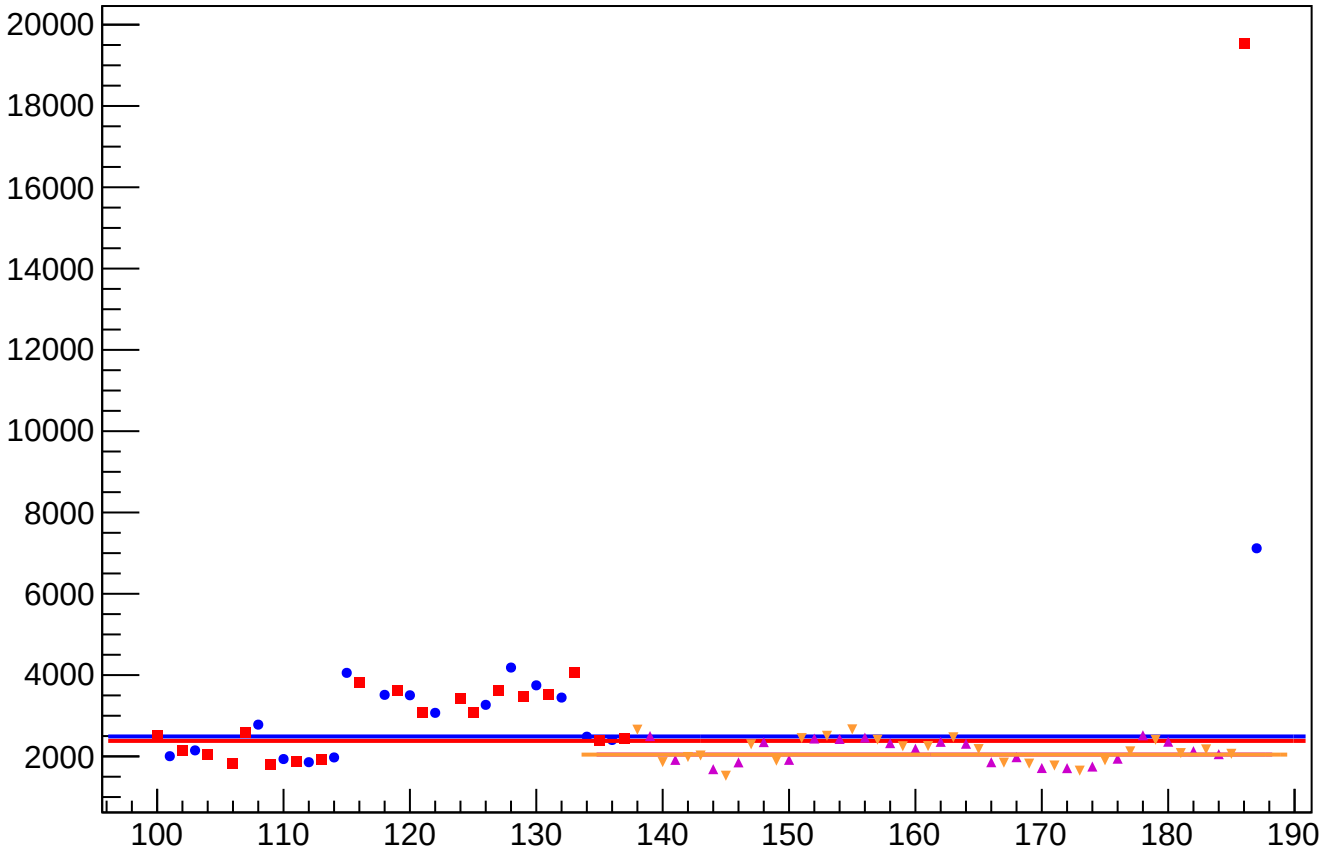
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 910.467+/-654.775 χ^2/NDF: 42.8/36

In: 181.165+/-431.304 χ^2/NDF:44.6/39

Out: -1345.087+/-417.044 χ^2/NDF:88.3/44

All: -607.609+/-299.809 χ^2/NDF: 139.3/84


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
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12000
10000
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6000
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2000
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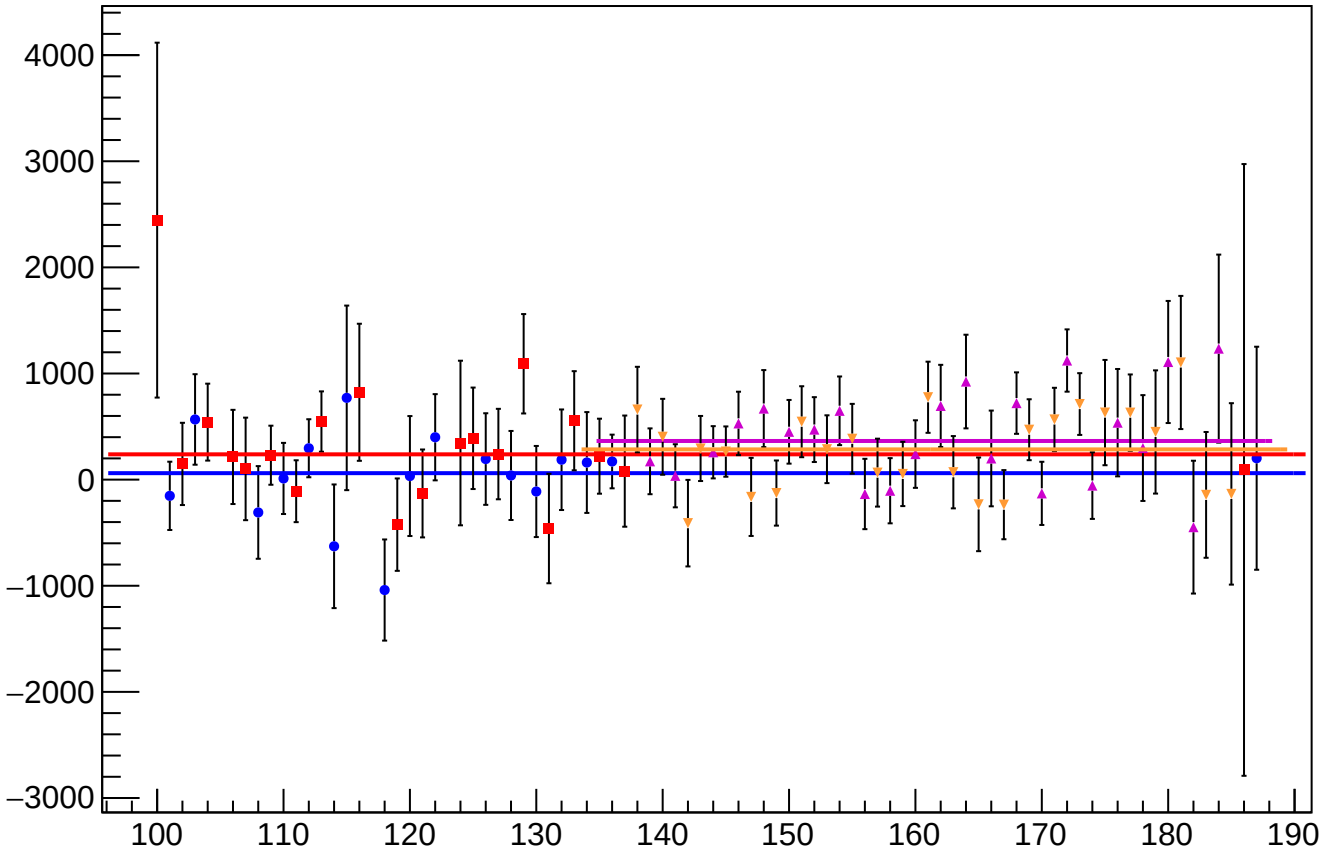
110
120
130
140
150
160
170
180
190
Right In: 2490.310+/-0.674 χ²/NDF: 1075989.8/16
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2380.816+/-0.637 χ²/NDF: 1694364.2/19
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2432.447+/-0.463 χ²/NDF: 2784290.6/36
In: 2136.253+/-0.305 χ²/NDF:2112892.7/39
Out: 2116.007+/-0.295 χ²/NDF:2767796.7/44
All: 2125.789+/-0.212 χ²/NDF: 4882966.9/84



Right In: 60.987+/-98.790 χ^2/NDF: 12.0/16

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 238.355+/-95.011 χ^2/NDF: 14.9/19

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

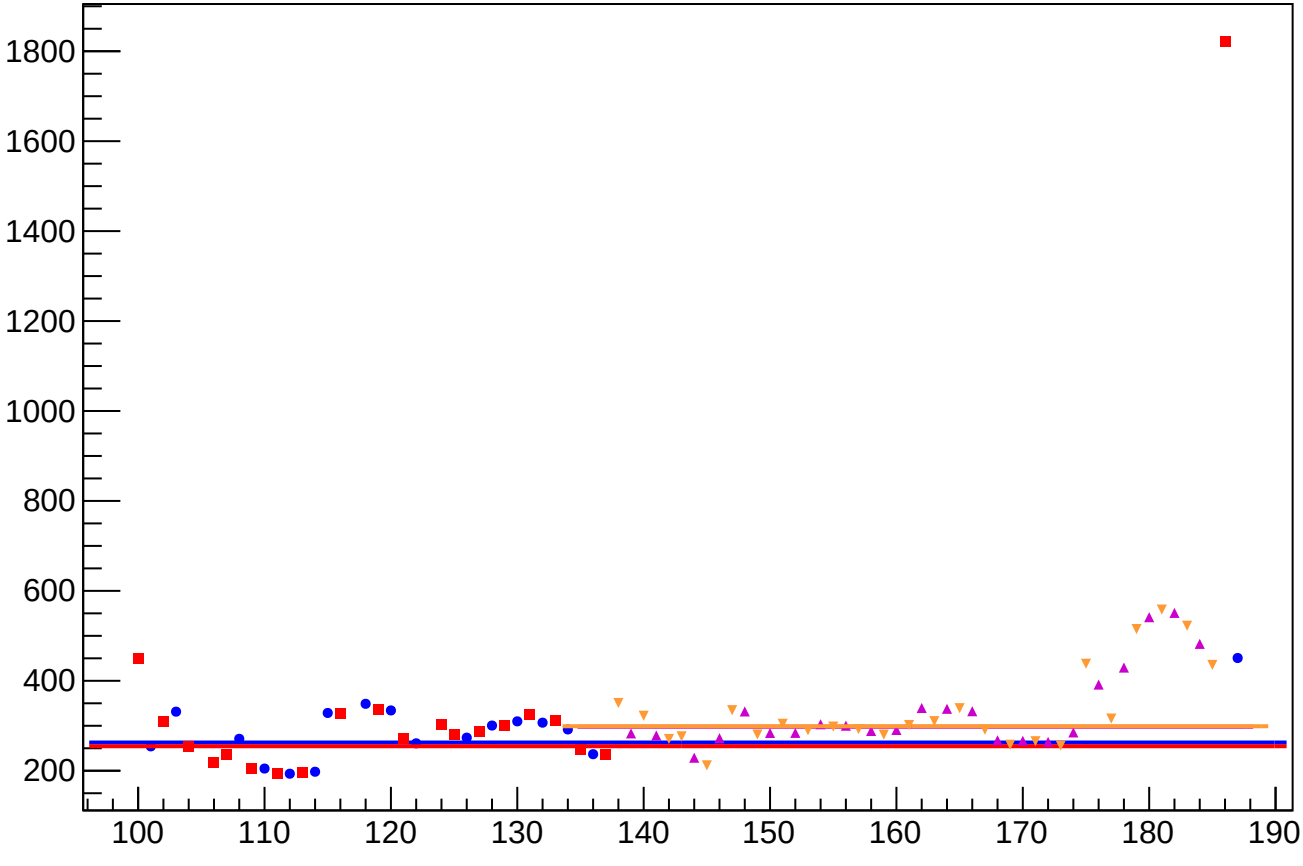
Right: 153.129+/-68.480 χ^2/NDF: 28.6/36

In: 259.537+/-58.035 χ^2/NDF:46.4/39

Out: 268.524+/-56.375 χ^2/NDF:37.9/44

All: 264.161+/-40.437 χ^2/NDF: 84.3/84

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 262.765+/-0.070 χ^2/NDF: 527212.9/16

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 254.492+/-0.067 χ^2/NDF: 1129115.2/19

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

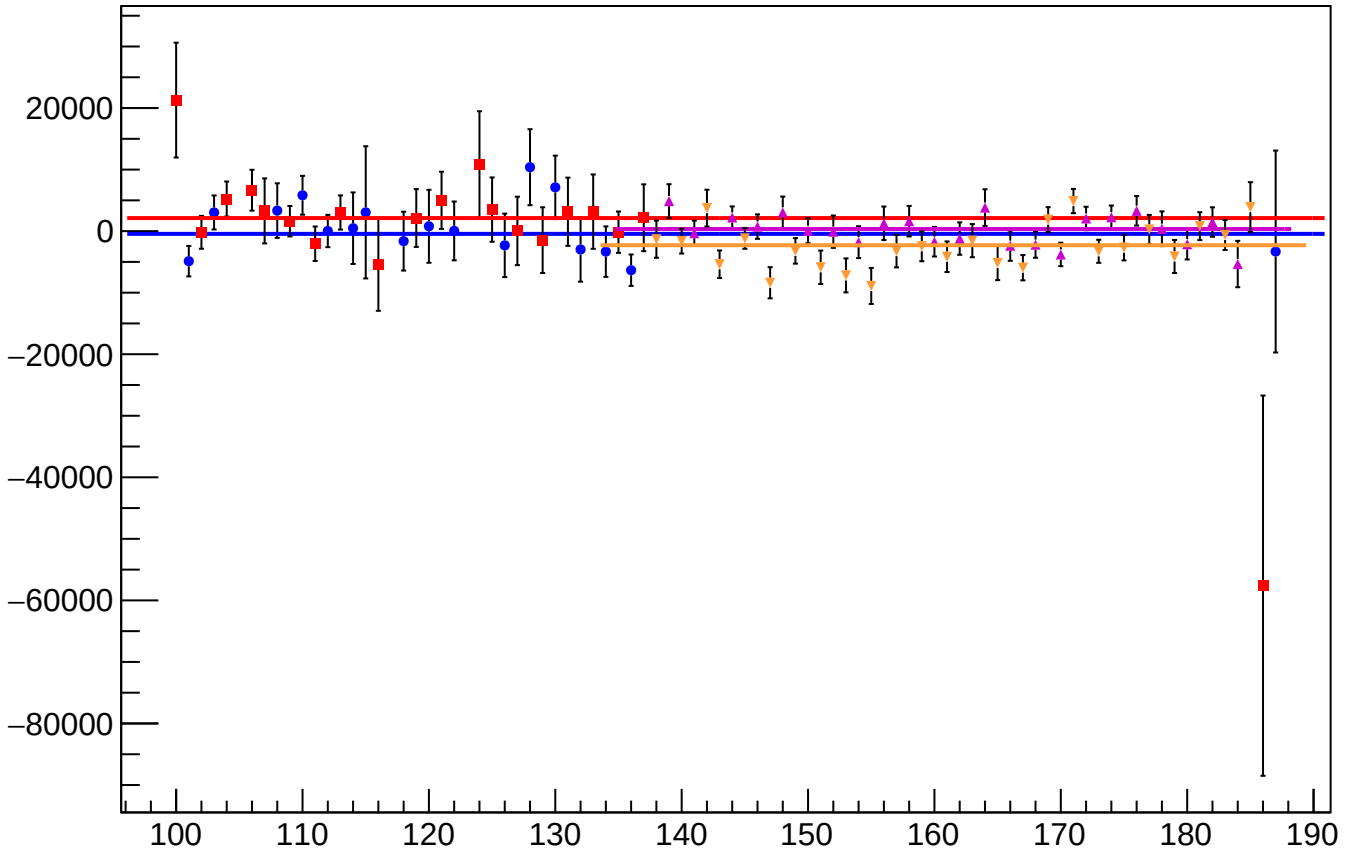
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 258.467+/-0.048 χ^2/NDF: 1663614.7/36

In: 285.765+/-0.041 χ^2/NDF:2011795.5/39

Out: 283.290+/-0.040 χ^2/NDF:3025778.3/44

All: 284.492+/-0.029 χ^2/NDF: 5039445.8/84



Right In: -446.457+/-953.519 χ^2/NDF: 21.2/16

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2121.274+/-900.718 χ^2/NDF: 17.7/19

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

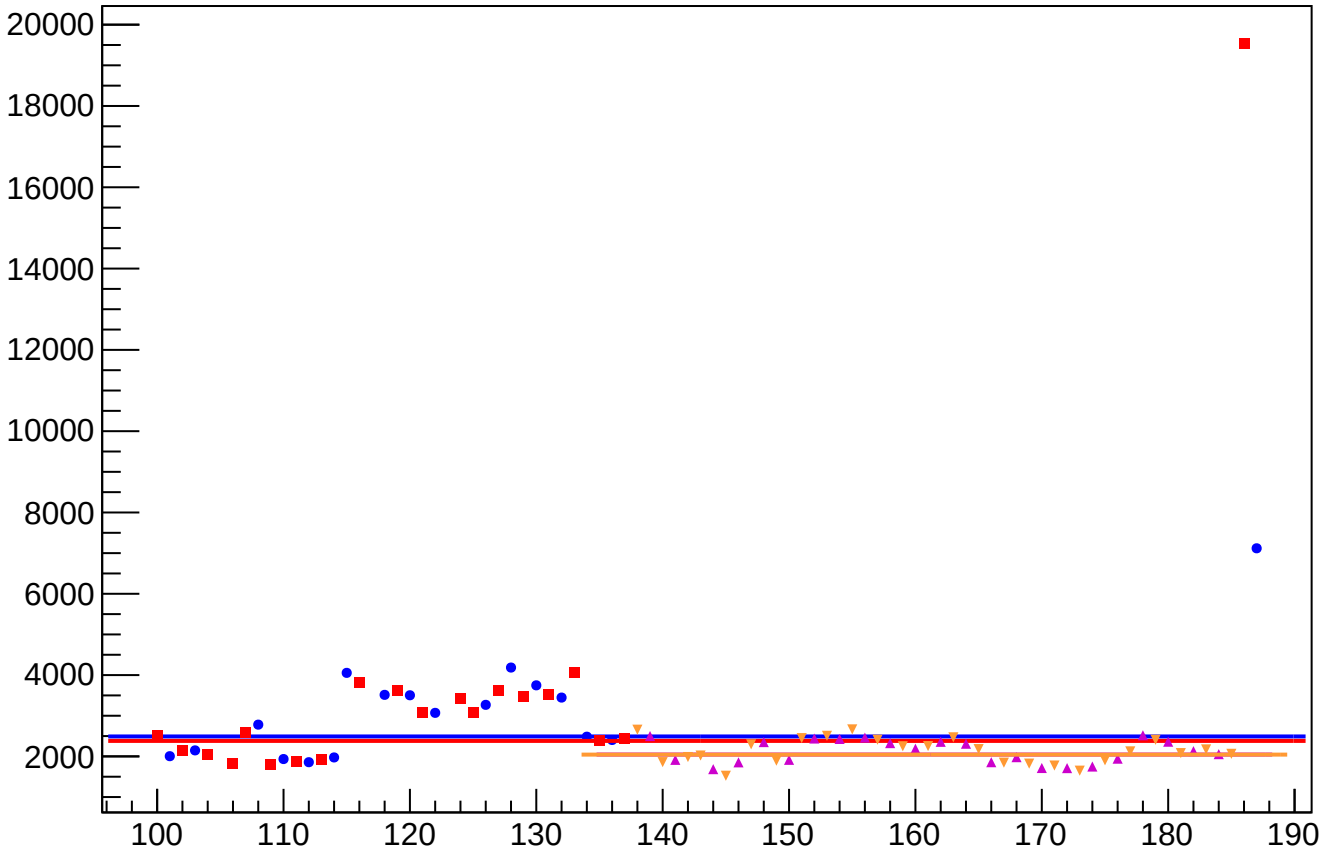
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 910.466+/-654.775 χ^2/NDF: 42.8/36

In: 181.163+/-431.303 χ^2/NDF:44.6/39

Out: -1345.085+/-417.044 χ^2/NDF:88.3/44

All: -607.608+/-299.809 χ^2/NDF: 139.3/84



Right In: 2490.308+/-0.674 χ^2/NDF: 1075992.8/16

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2380.814+/-0.637 χ^2/NDF: 1694366.2/19

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

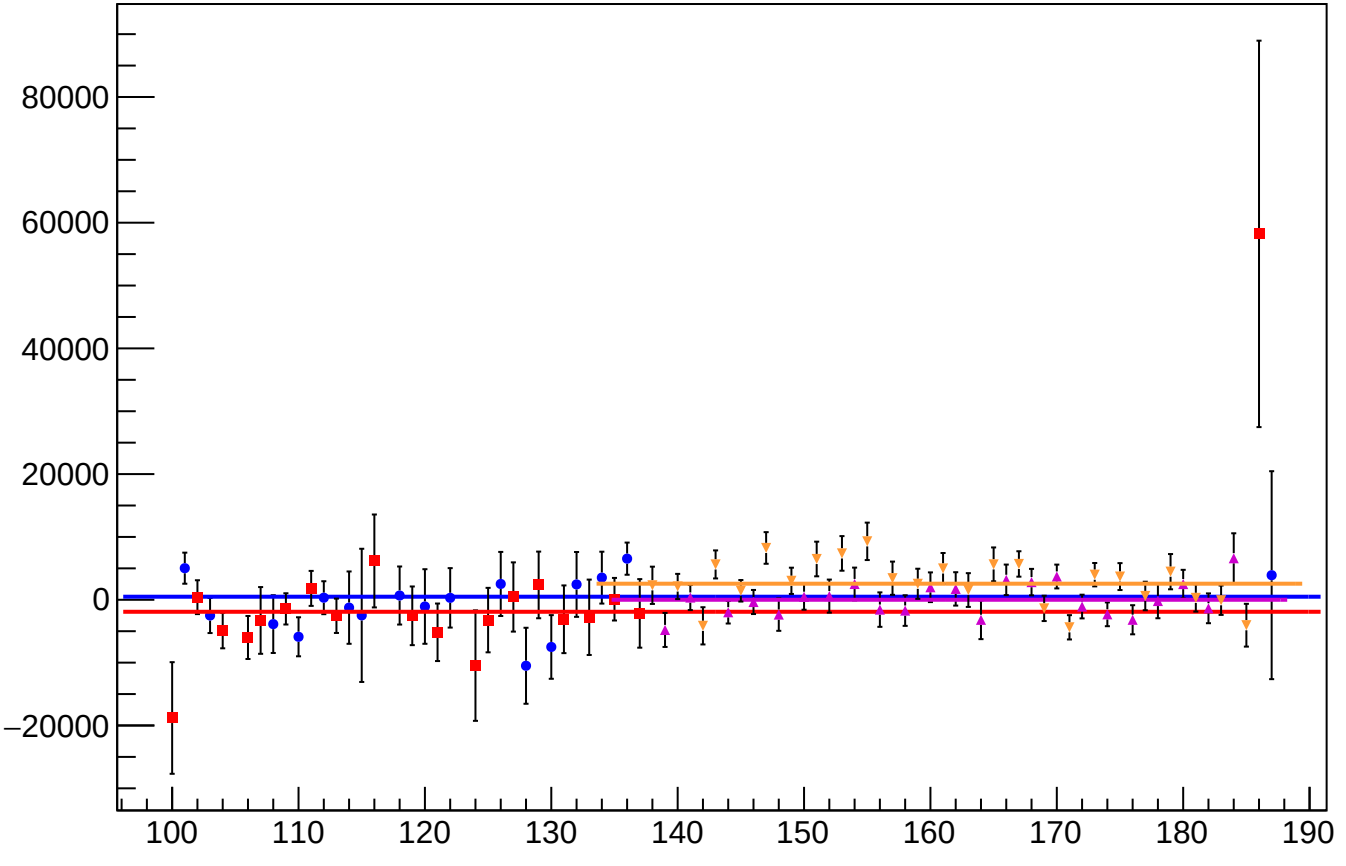
Right: 2432.446+/-0.463 χ^2/NDF: 2784295.7/36

In: 2136.250+/-0.305 χ^2/NDF:2112896.7/39

Out: 2116.004+/-0.295 χ^2/NDF:2767803.2/44

All: 2125.787+/-0.212 χ^2/NDF: 4882977.5/84

asym_sam4_mean vs Slug, Sign Corrected



Right In: 488.648+/-951.176 χ^2/NDF: 22.2/16

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -1907.993+/-899.317 χ^2/NDF: 16.7/19

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

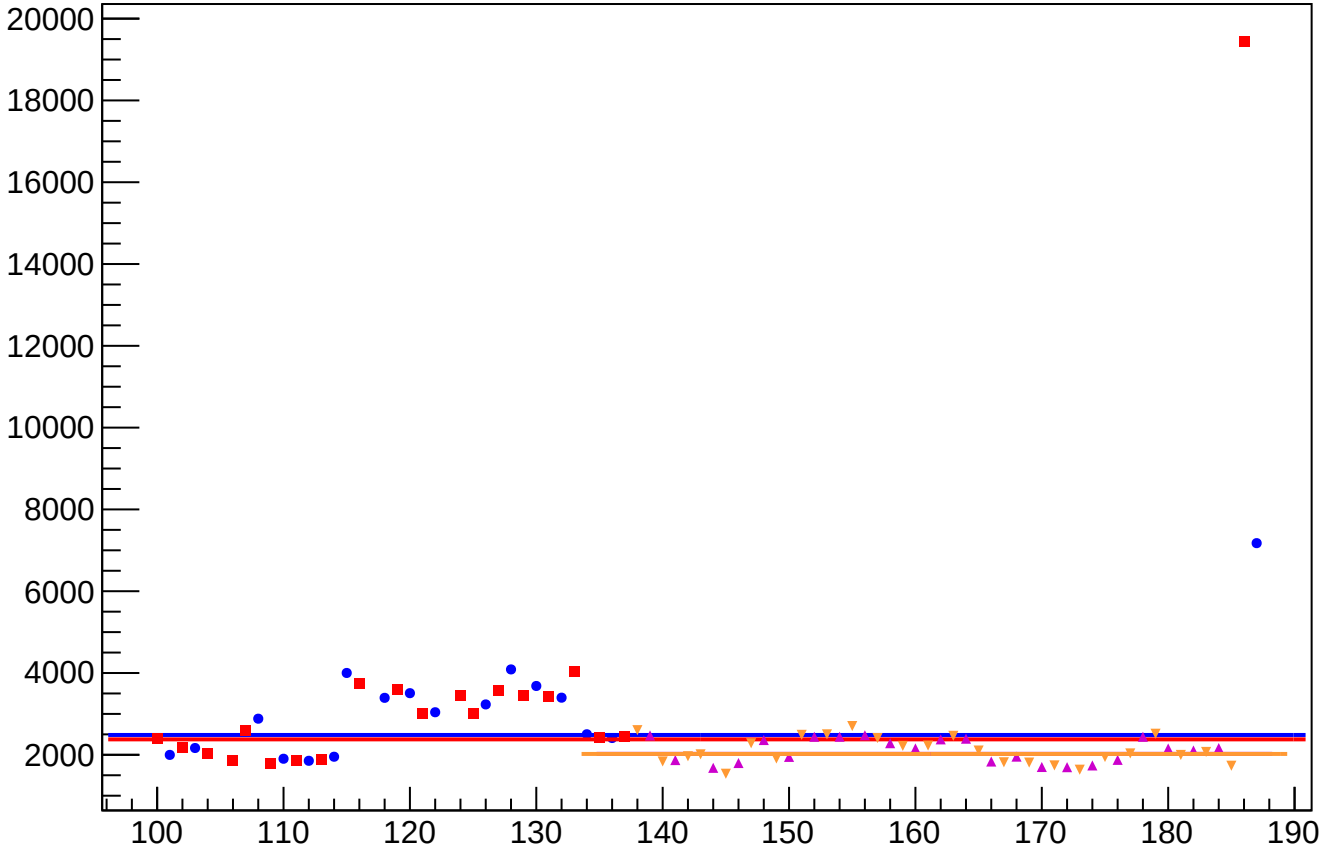
Right: -776.785+/-653.478 χ^2/NDF: 42.2/36

In: 101.464+/-427.469 χ^2/NDF:47.0/39

Out: 1613.696+/-413.713 χ^2/NDF:88.8/44

All: 882.302+/-297.283 χ^2/NDF: 142.3/84

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2485.194+/-0.673 χ^2/NDF: 1047459.9/16

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2377.665+/-0.636 χ^2/NDF: 1659889.0/19

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

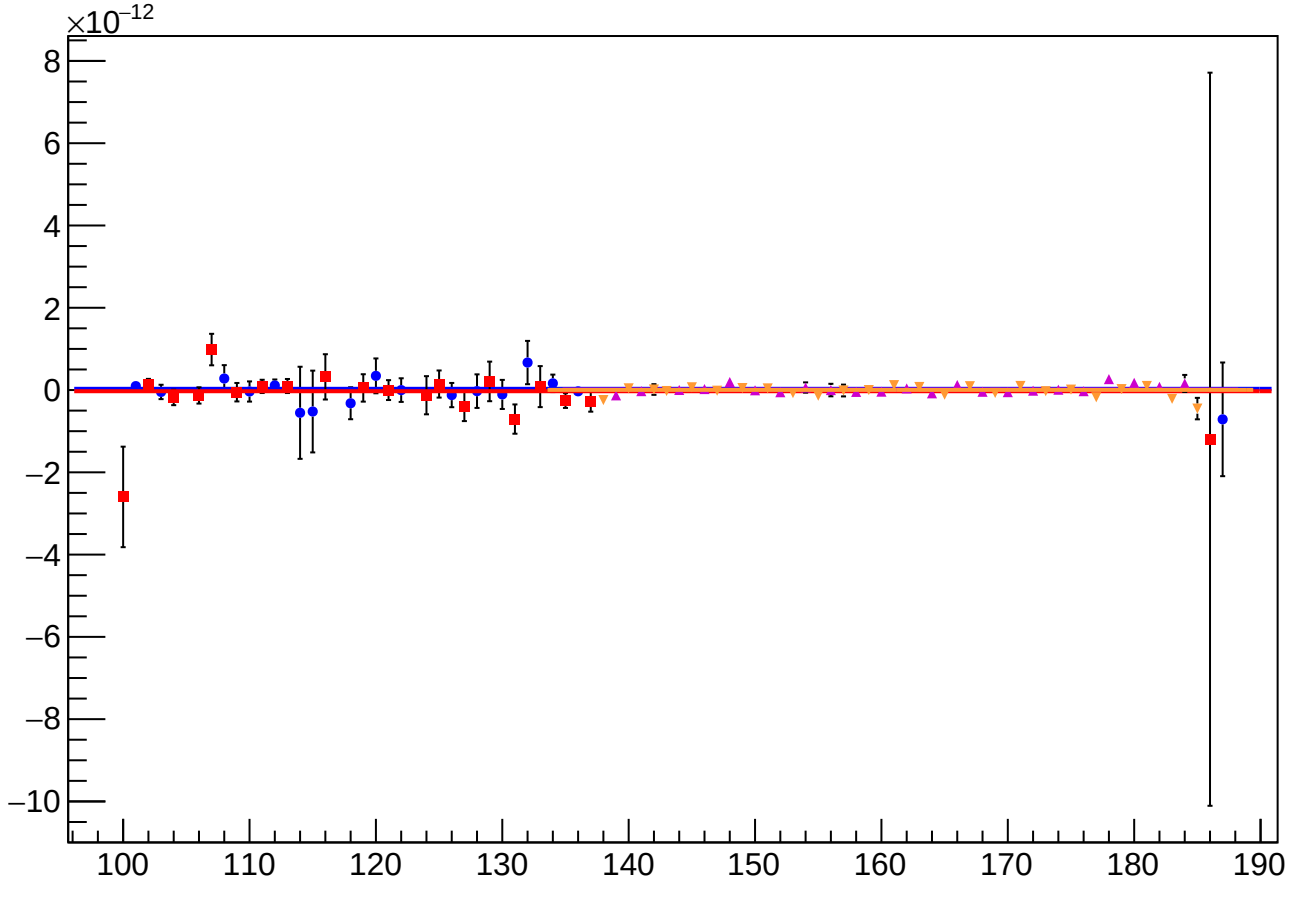
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2428.419+/-0.462 χ^2/NDF: 2720844.6/36

In: 2116.576+/-0.302 χ^2/NDF:2119910.2/39

Out: 2096.690+/-0.293 χ^2/NDF:2788893.5/44

All: 2106.308+/-0.210 χ^2/NDF: 4911038.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 6.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/19

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

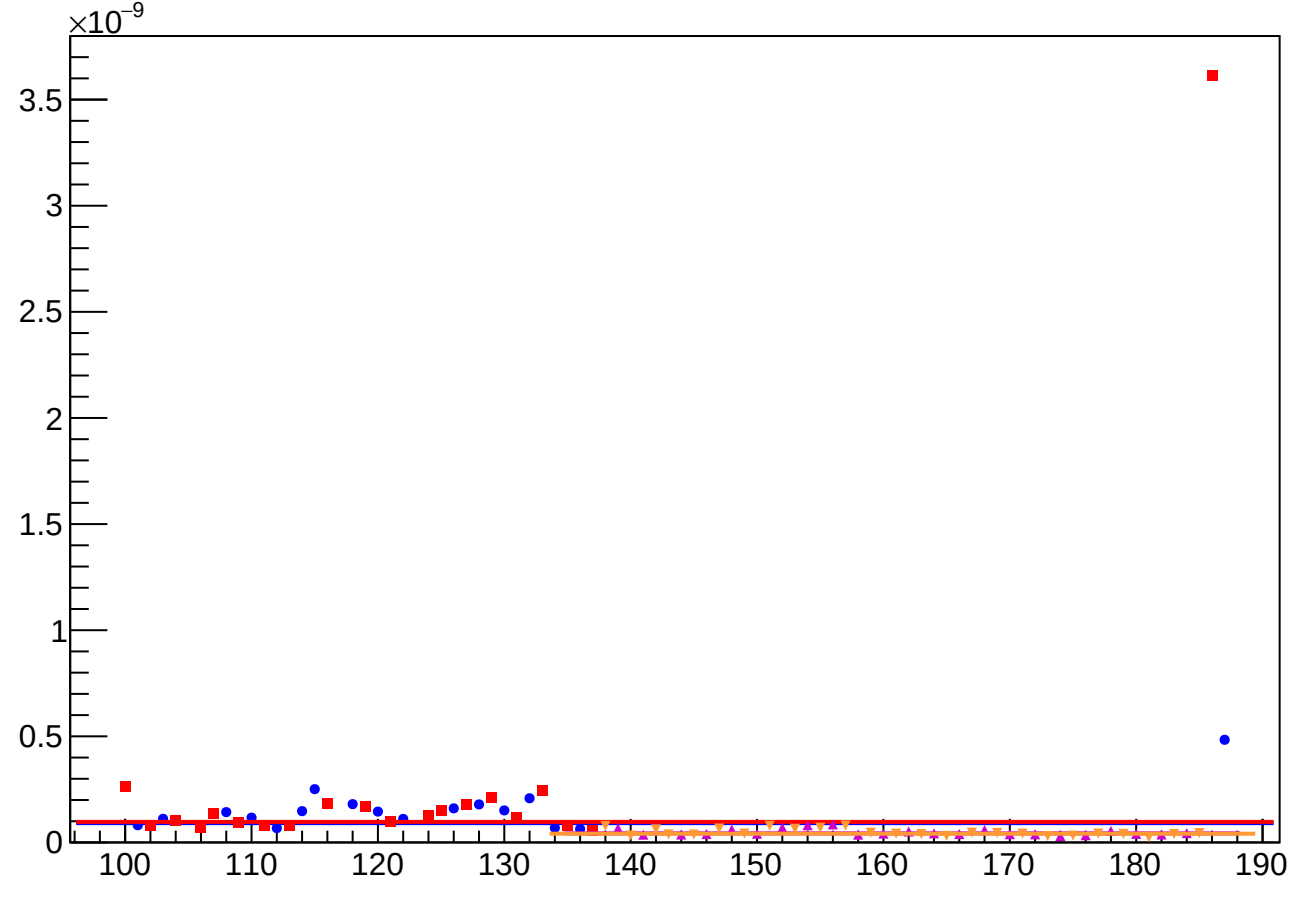
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 30.2/36

In: 0.000+/-0.000 χ^2/NDF:27.4/39

Out: 0.000+/-0.000 χ^2/NDF:55.6/44

All: 0.000+/-0.000 χ^2/NDF: 83.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 1088582.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1163024.9/19

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

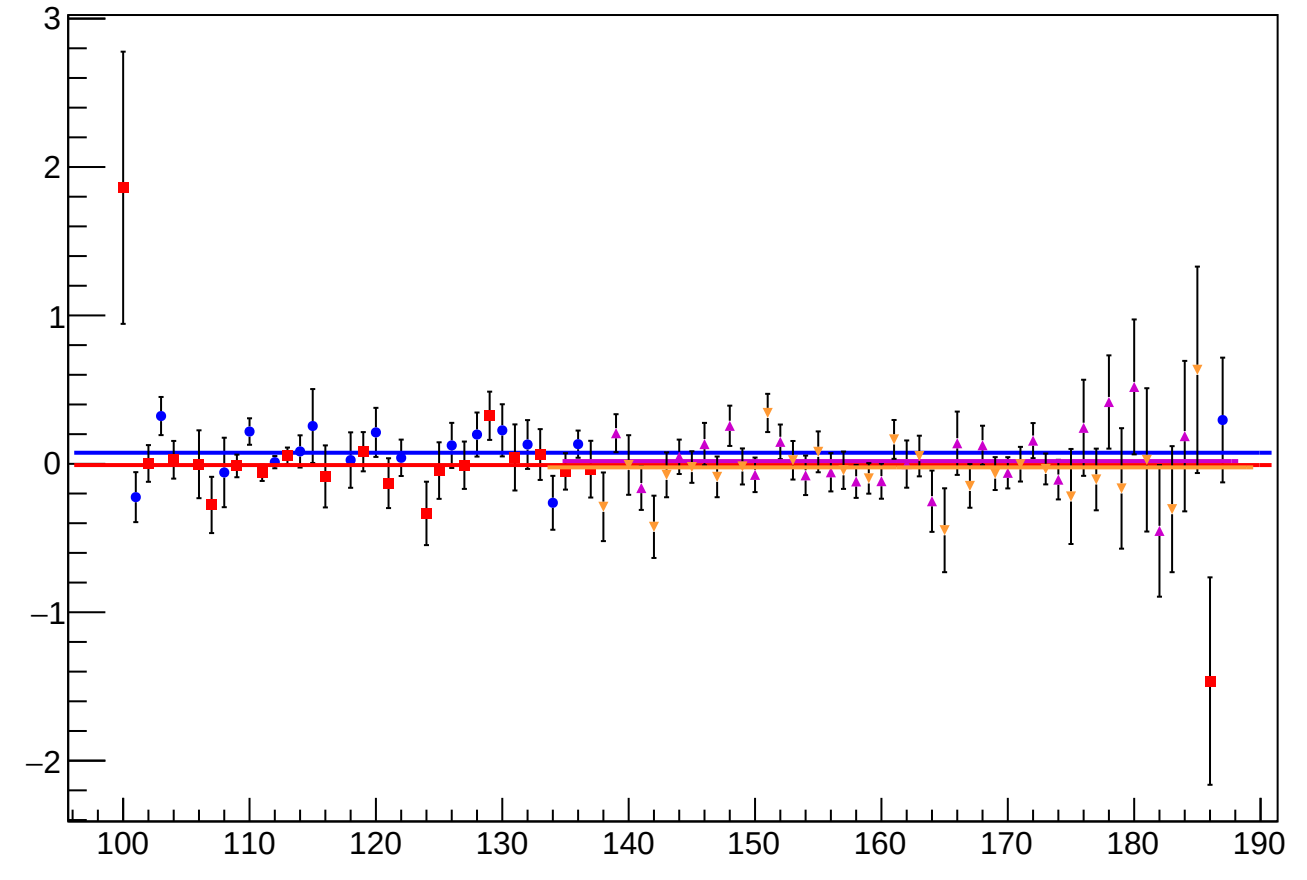
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 2263512.6/36

In: 0.000+/-0.000 χ^2/NDF:3540035.8/39

Out: 0.000+/-0.000 χ^2/NDF:4230351.9/44

All: 0.000+/-0.000 χ^2/NDF: 7786859.8/84



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.008+/-0.027 χ^2/NDF: 20.8/19

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

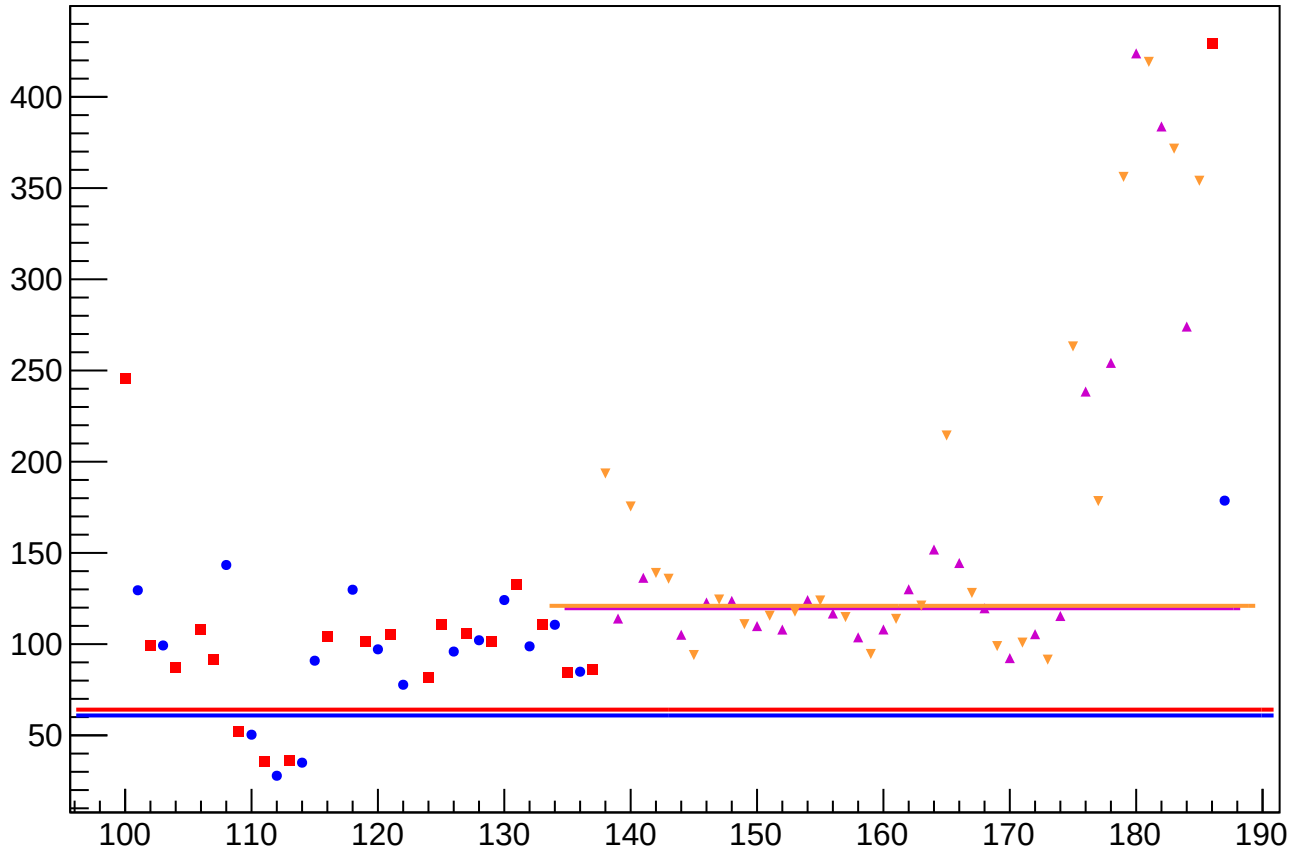
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.8/36

In: 0.050+/-0.020 χ^2/NDF:44.2/39

Out: -0.015+/-0.020 χ^2/NDF:43.1/44

All: 0.017+/-0.014 χ^2/NDF: 92.6/84



Right In: 60.888+/-0.019 χ^2/NDF: 3695887.6/16

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 64.091+/-0.019 χ^2/NDF: 3201216.4/19

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

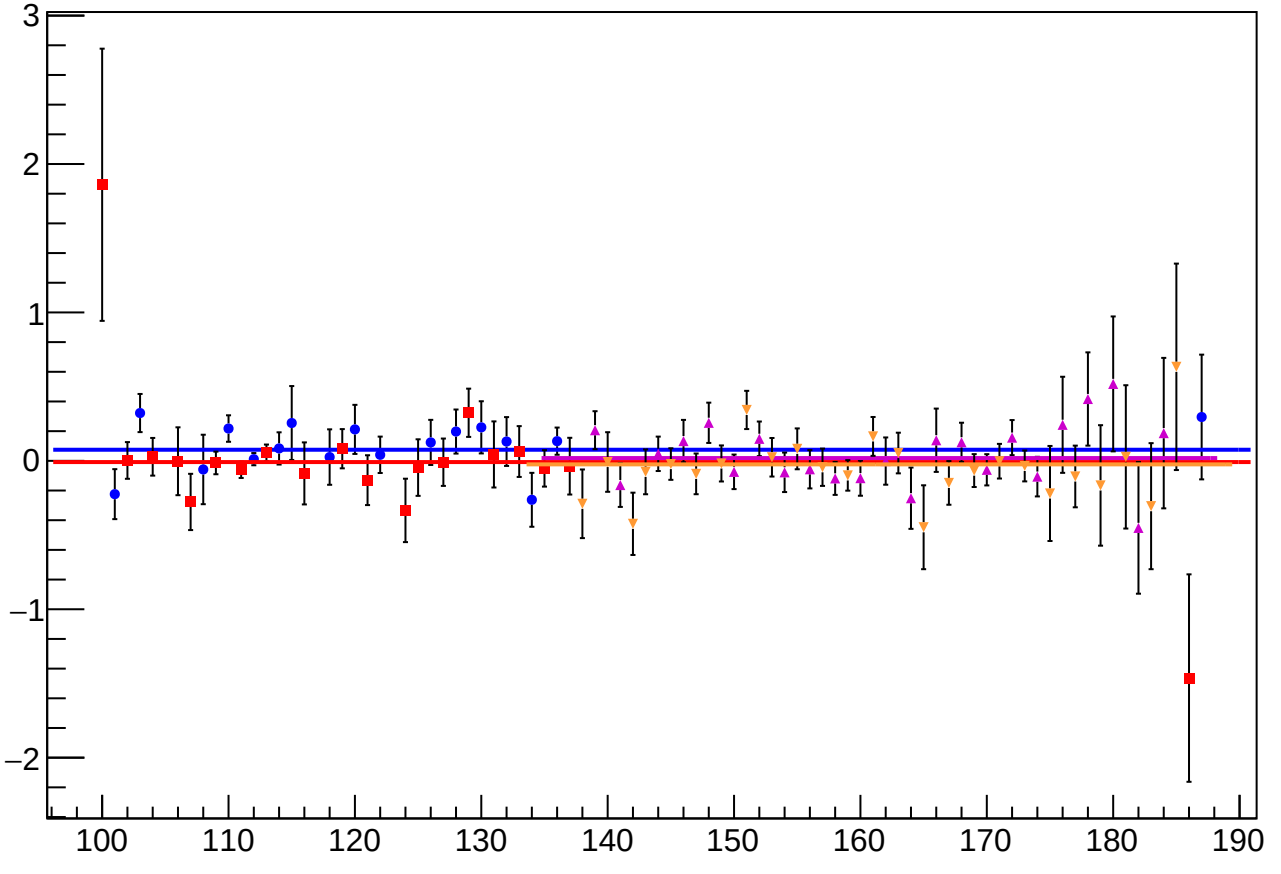
Right: 62.498+/-0.013 χ^2/NDF: 6911298.4/36

In: 86.934+/-0.014 χ^2/NDF:10748761.0/39

Out: 89.452+/-0.014 χ^2/NDF:11312011.7/44

All: 88.202+/-0.010 χ^2/NDF: 22076562.0/84

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.008+/-0.027 χ^2/NDF: 20.8/19

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

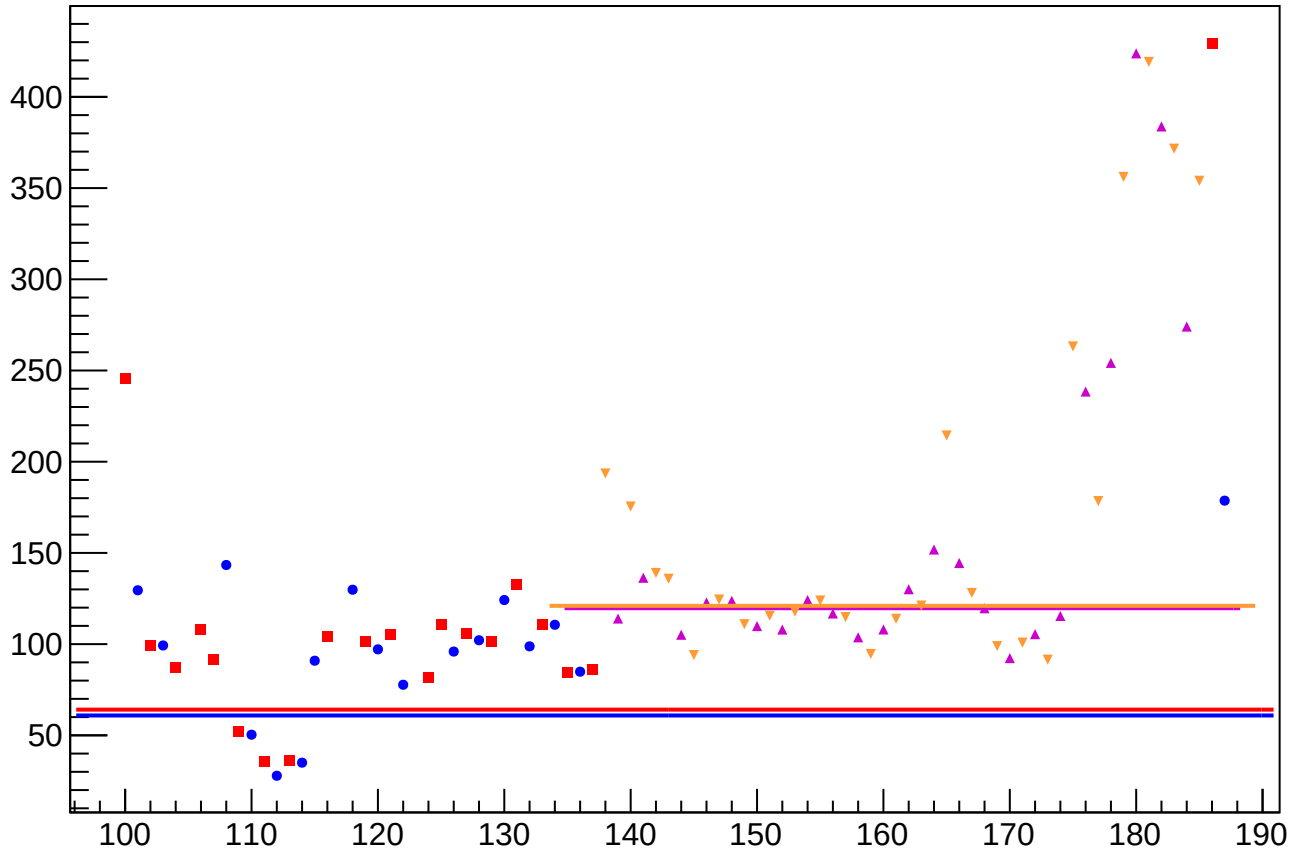
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.8/36

In: 0.050+/-0.020 χ^2/NDF:44.2/39

Out: -0.015+/-0.020 χ^2/NDF:43.1/44

All: 0.017+/-0.014 χ^2/NDF: 92.6/84



Right In: 60.888+/-0.019 χ^2/NDF: 3695887.6/16

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 64.091+/-0.019 χ^2/NDF: 3201216.4/19

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

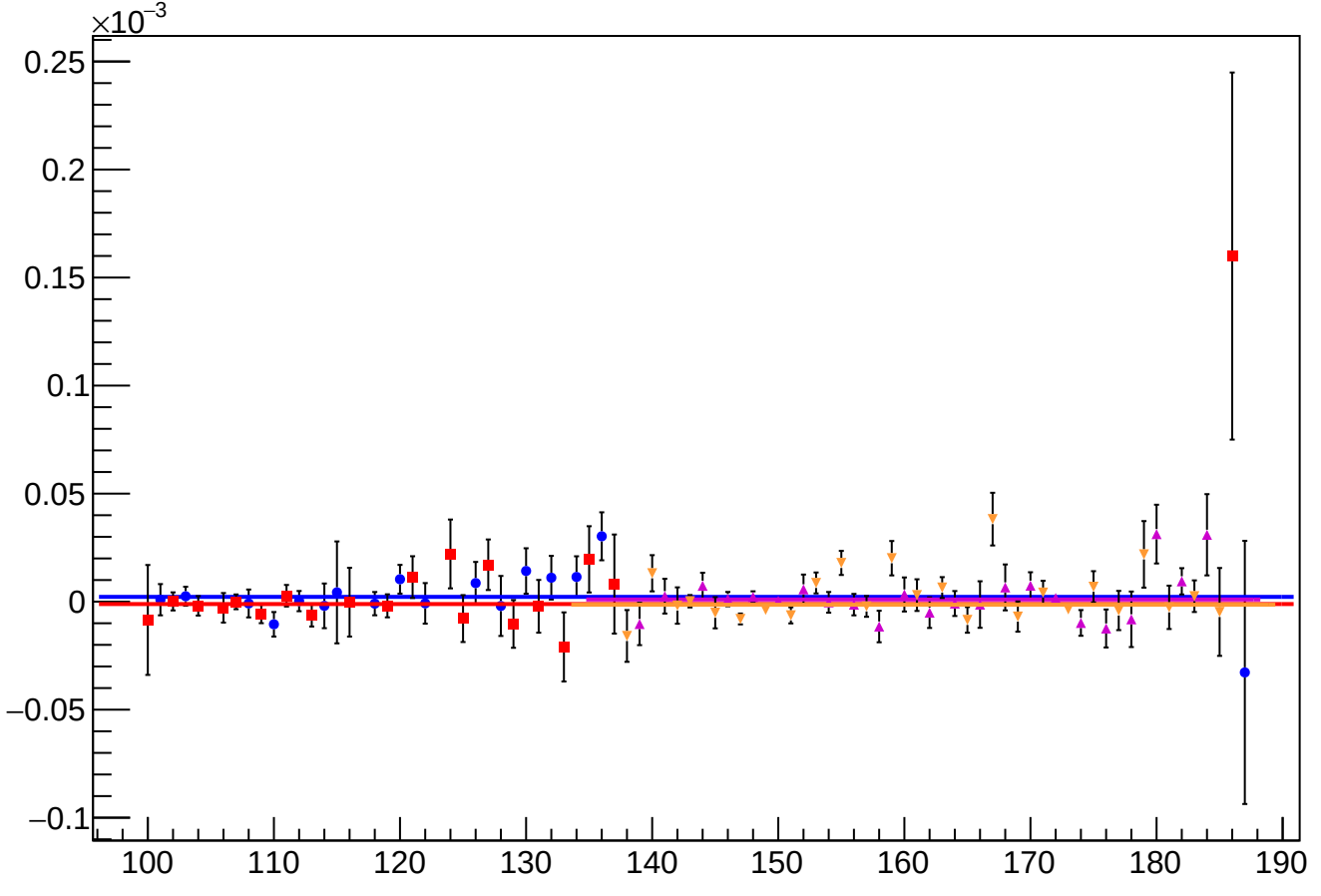
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 62.498+/-0.013 χ^2/NDF: 6911298.4/36

In: 86.934+/-0.014 χ^2/NDF:10748761.0/39

Out: 89.452+/-0.014 χ^2/NDF:11312011.7/44

All: 88.202+/-0.010 χ^2/NDF: 22076562.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/19

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

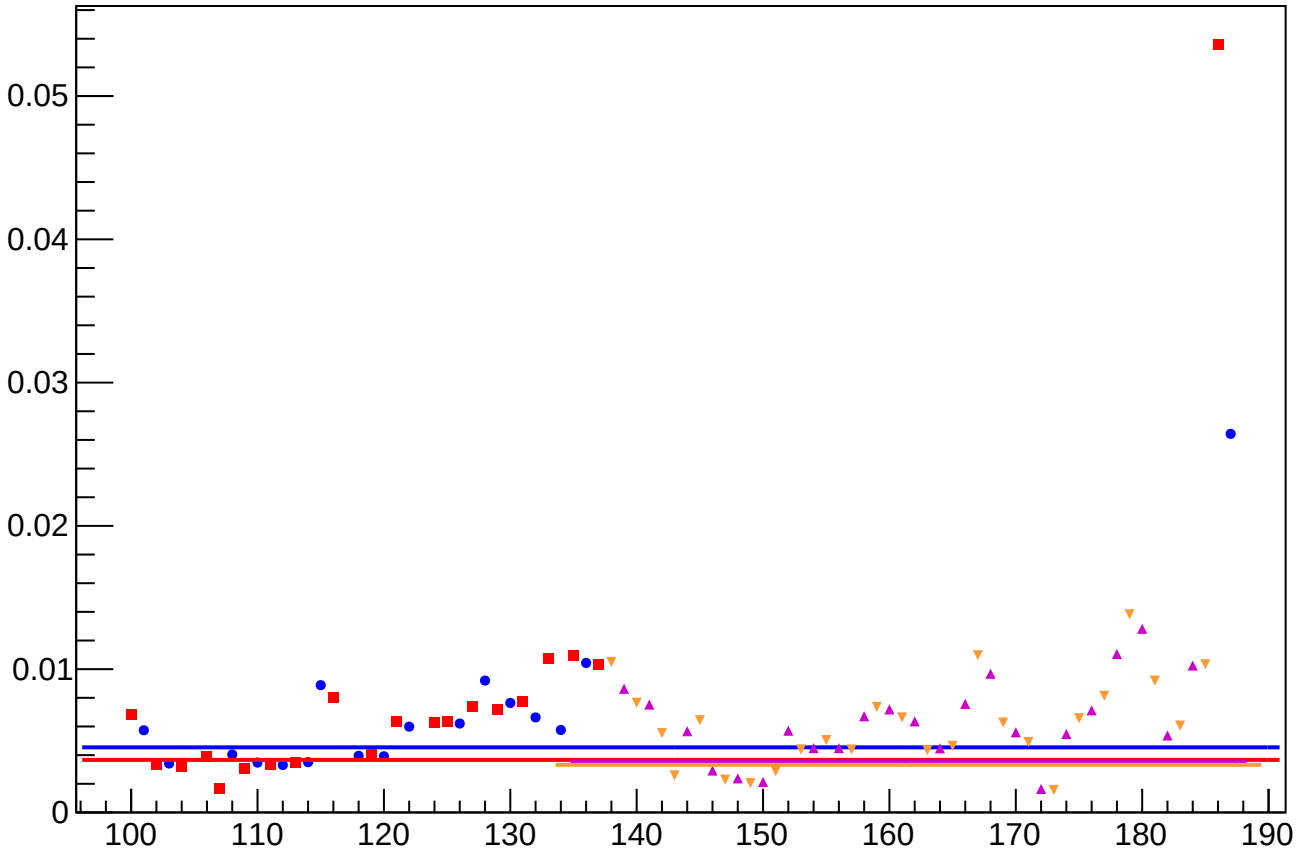
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 37.5/36

In: 0.000+/-0.000 χ^2/NDF:42.6/39

Out: -0.000+/-0.000 χ^2/NDF:78.2/44

All: -0.000+/-0.000 χ^2/NDF: 125.9/84



Right In: 0.005+/-0.000 χ^2/NDF: 1979731.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3624865.3/19

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

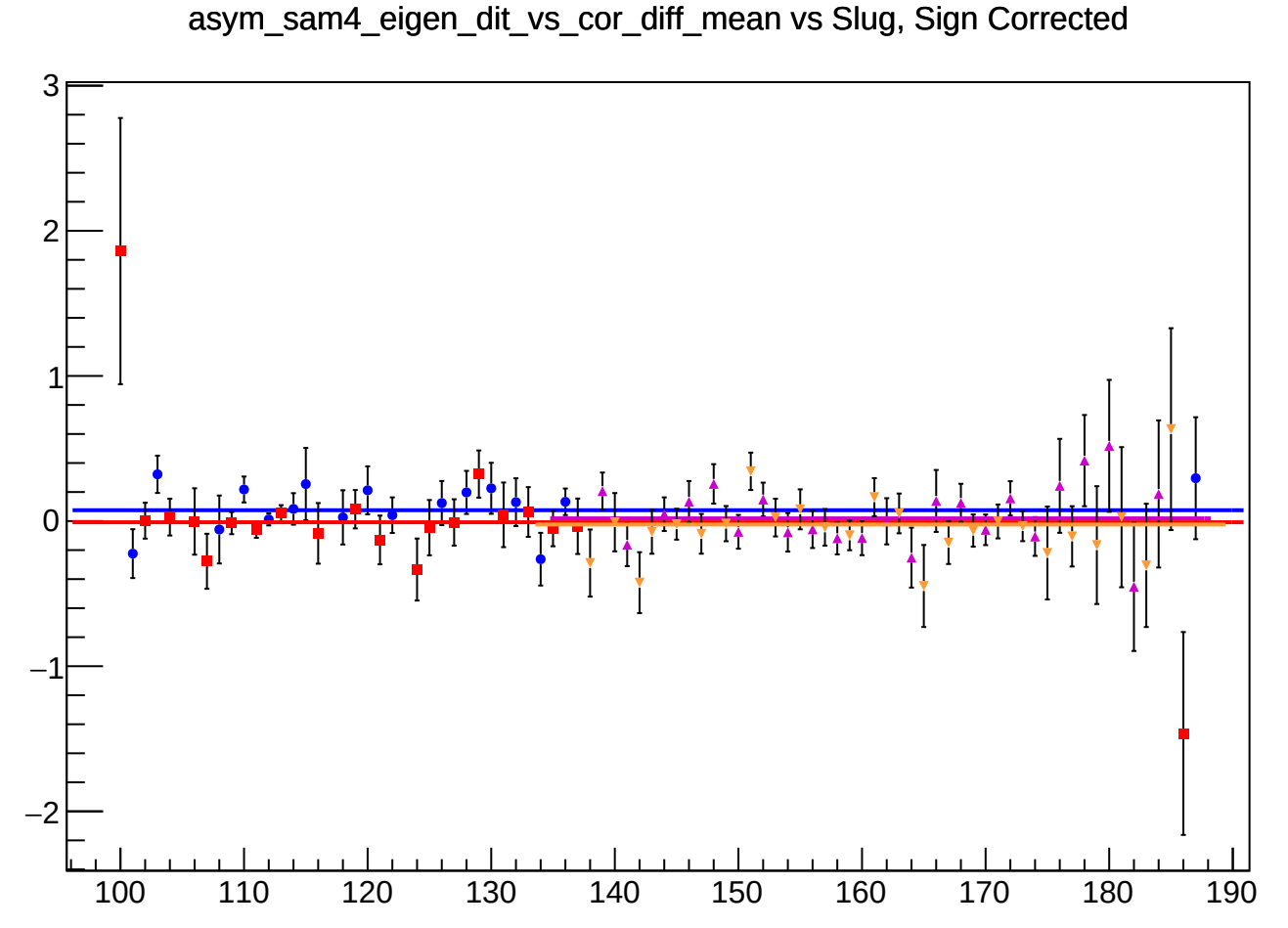
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 5881366.5/36

In: 0.004+/-0.000 χ^2/NDF:11896978.6/39

Out: 0.003+/-0.000 χ^2/NDF:14187696.8/44

All: 0.004+/-0.000 χ^2/NDF: 26254705.2/84



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.008+/-0.027 χ^2/NDF: 20.8/19

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

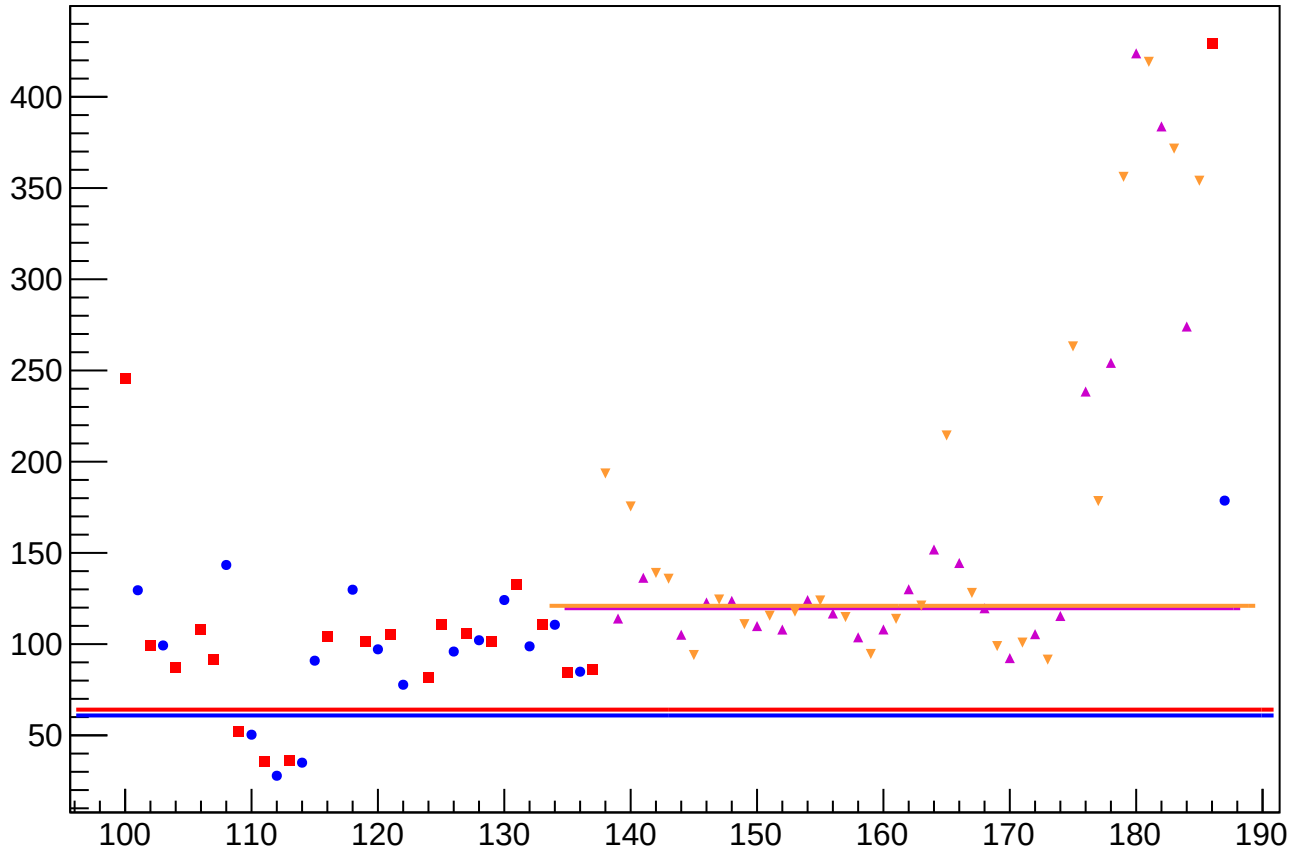
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.8/36

In: 0.050+/-0.020 χ^2/NDF:44.2/39

Out: -0.015+/-0.020 χ^2/NDF:43.1/44

All: 0.017+/-0.014 χ^2/NDF: 92.6/84



Right In: 60.886+/-0.019 χ^2/NDF: 3696150.5/16

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 64.089+/-0.019 χ^2/NDF: 3201478.5/19

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

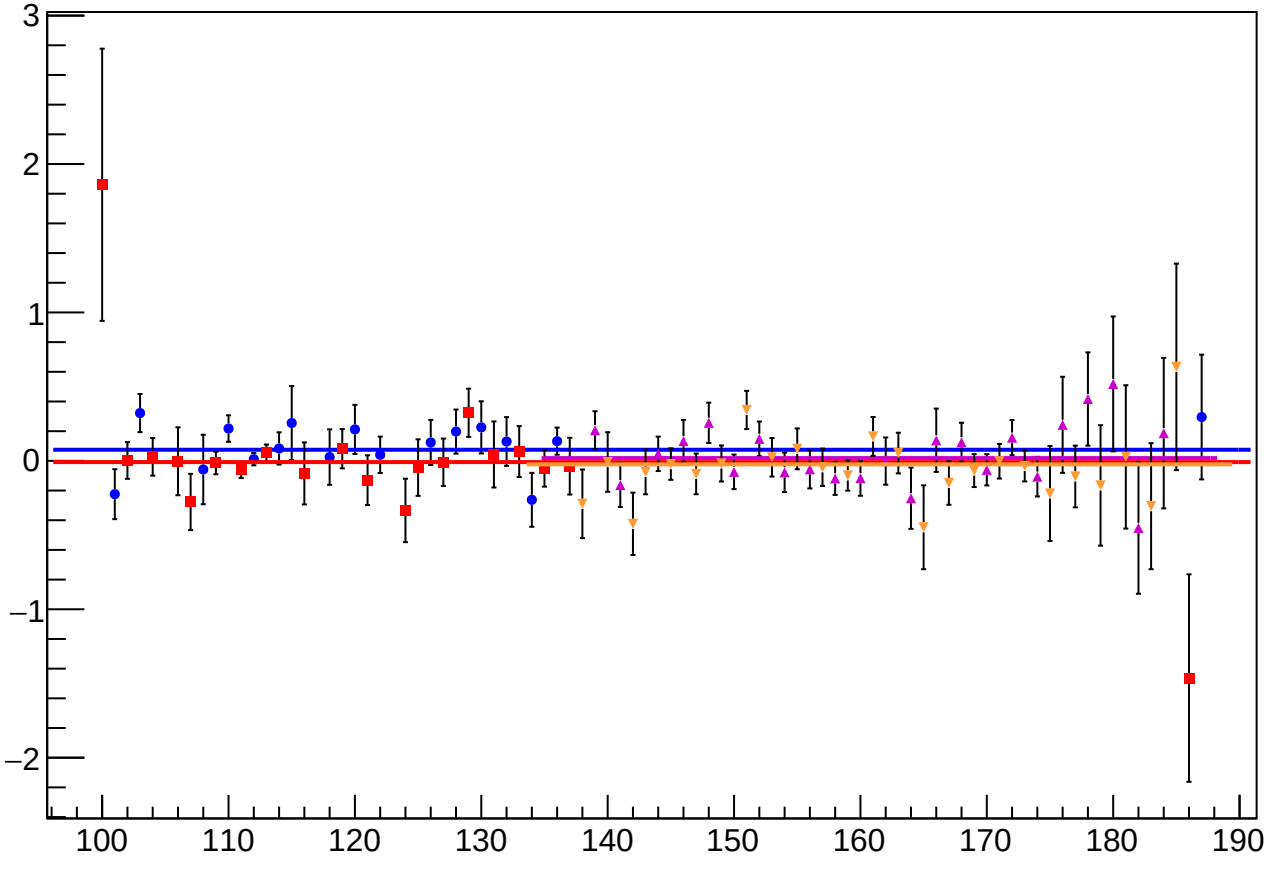
Right: 62.496+/-0.013 χ^2/NDF: 6911826.8/36

In: 86.932+/-0.014 χ^2/NDF:10749447.4/39

Out: 89.450+/-0.014 χ^2/NDF:11312640.2/44

All: 88.201+/-0.010 χ^2/NDF: 22077881.3/84

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.008+/-0.027 χ^2/NDF: 20.8/19

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

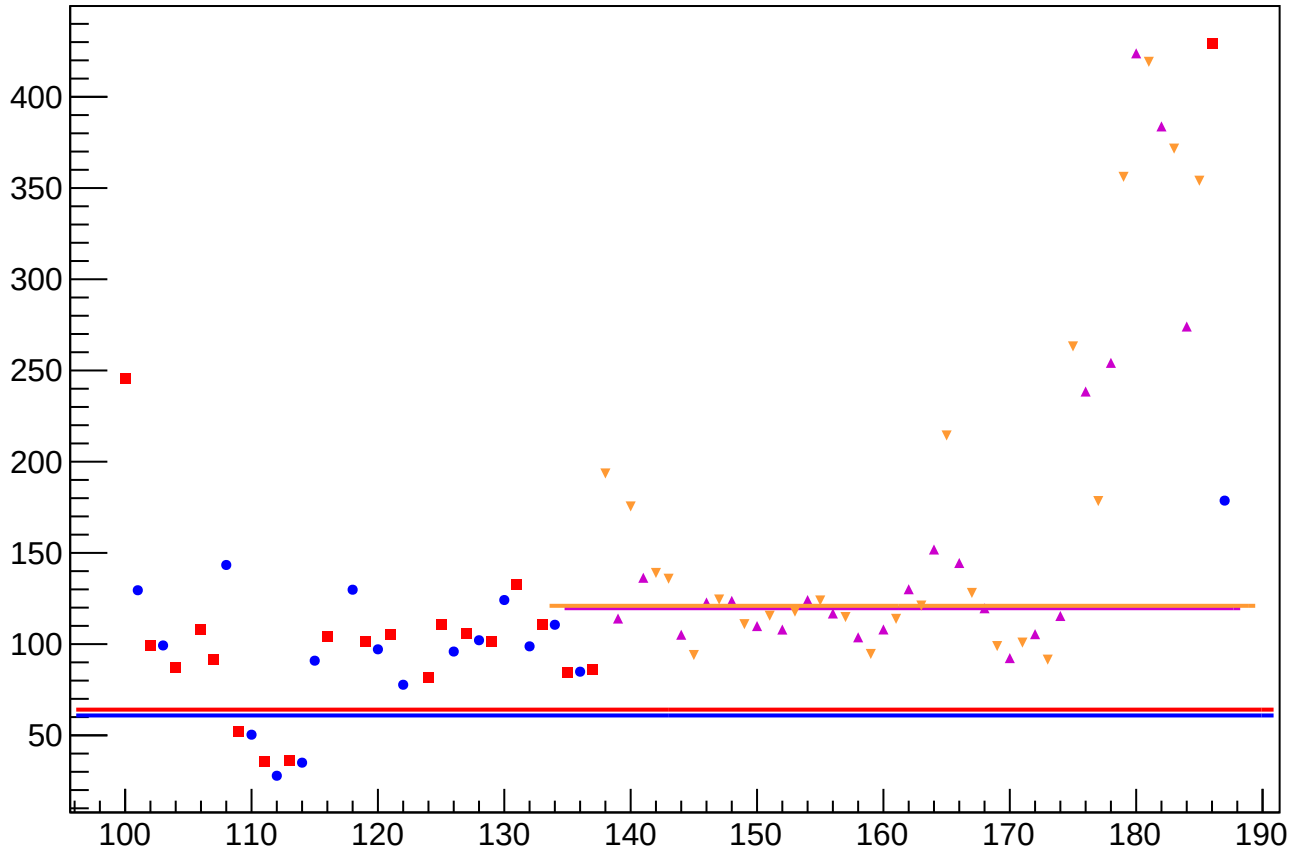
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.8/36

In: 0.050+/-0.020 χ^2/NDF:44.2/39

Out: -0.015+/-0.020 χ^2/NDF:43.1/44

All: 0.017+/-0.014 χ^2/NDF: 92.6/84



Right In: 60.886+/-0.019 χ^2/NDF: 3696150.5/16

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 64.089+/-0.019 χ^2/NDF: 3201478.5/19

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

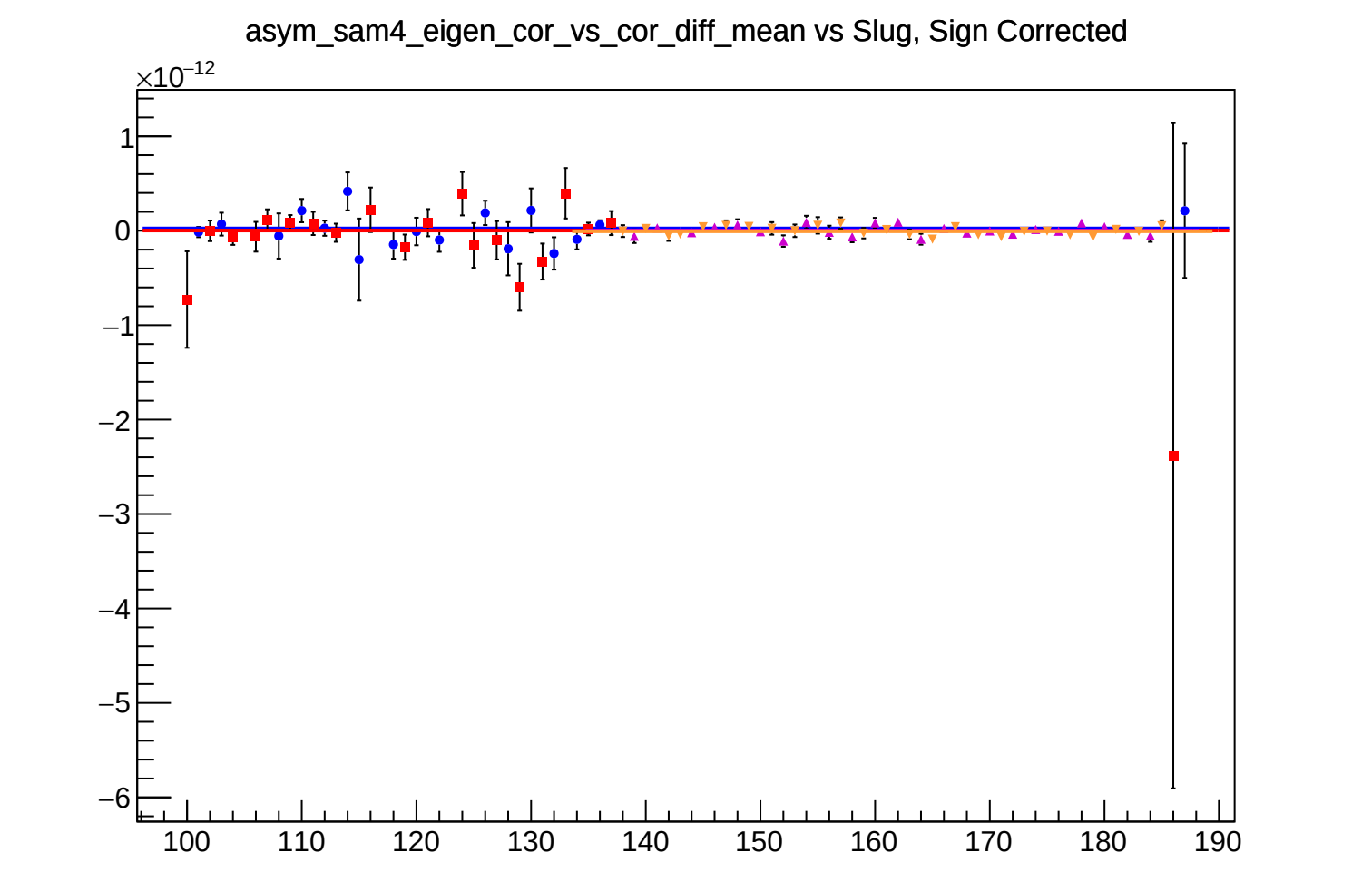
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 62.496+/-0.013 χ^2/NDF: 6911826.8/36

In: 86.932+/-0.014 χ^2/NDF:10749447.4/39

Out: 89.450+/-0.014 χ^2/NDF:11312640.2/44

All: 88.201+/-0.010 χ^2/NDF: 22077881.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/19

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

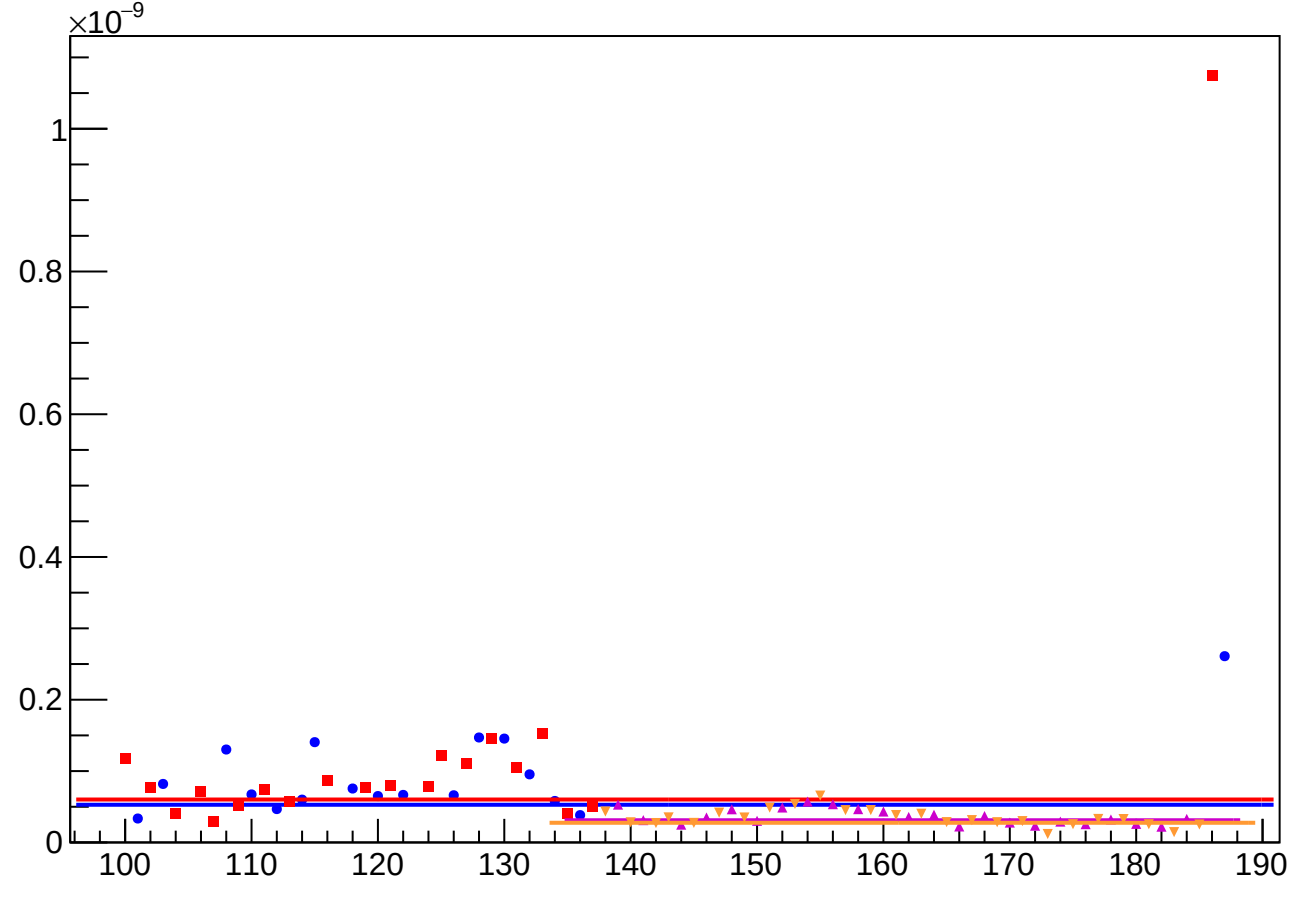
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 40.8/36

In: 0.000+/-0.000 χ^2/NDF:45.0/39

Out: -0.000+/-0.000 χ^2/NDF:46.0/44

All: -0.000+/-0.000 χ^2/NDF: 91.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 1820939.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1704854.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

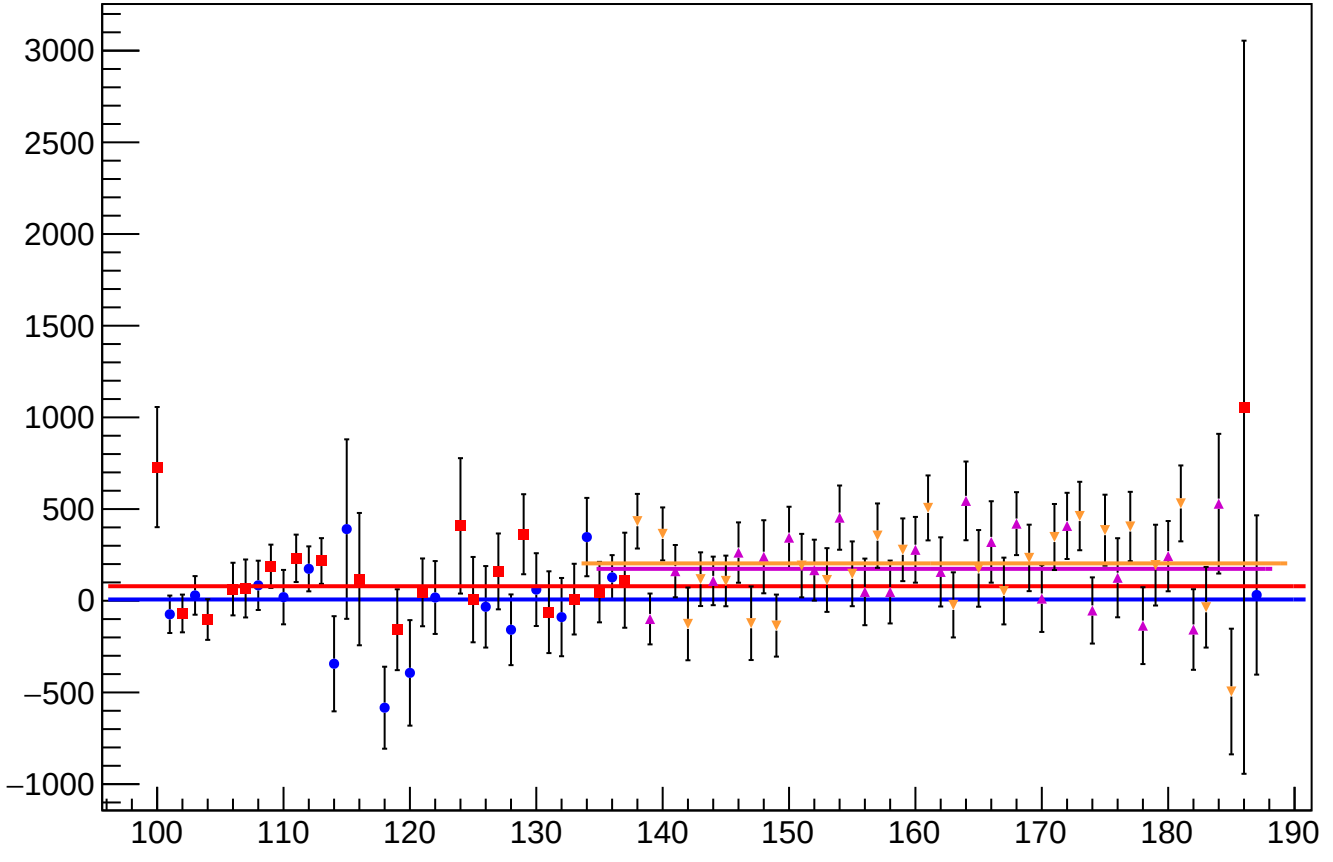
Right: 0.000+/-0.000 χ^2/NDF: 3596903.6/36

In: 0.000+/-0.000 χ^2/NDF:4992053.5/39

Out: 0.000+/-0.000 χ^2/NDF:7762294.3/44

All: 0.000+/-0.000 χ^2/NDF: 12934135.6/84

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 7.022+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 79.234+/-37.899 χ^2/NDF: 16.9/19

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

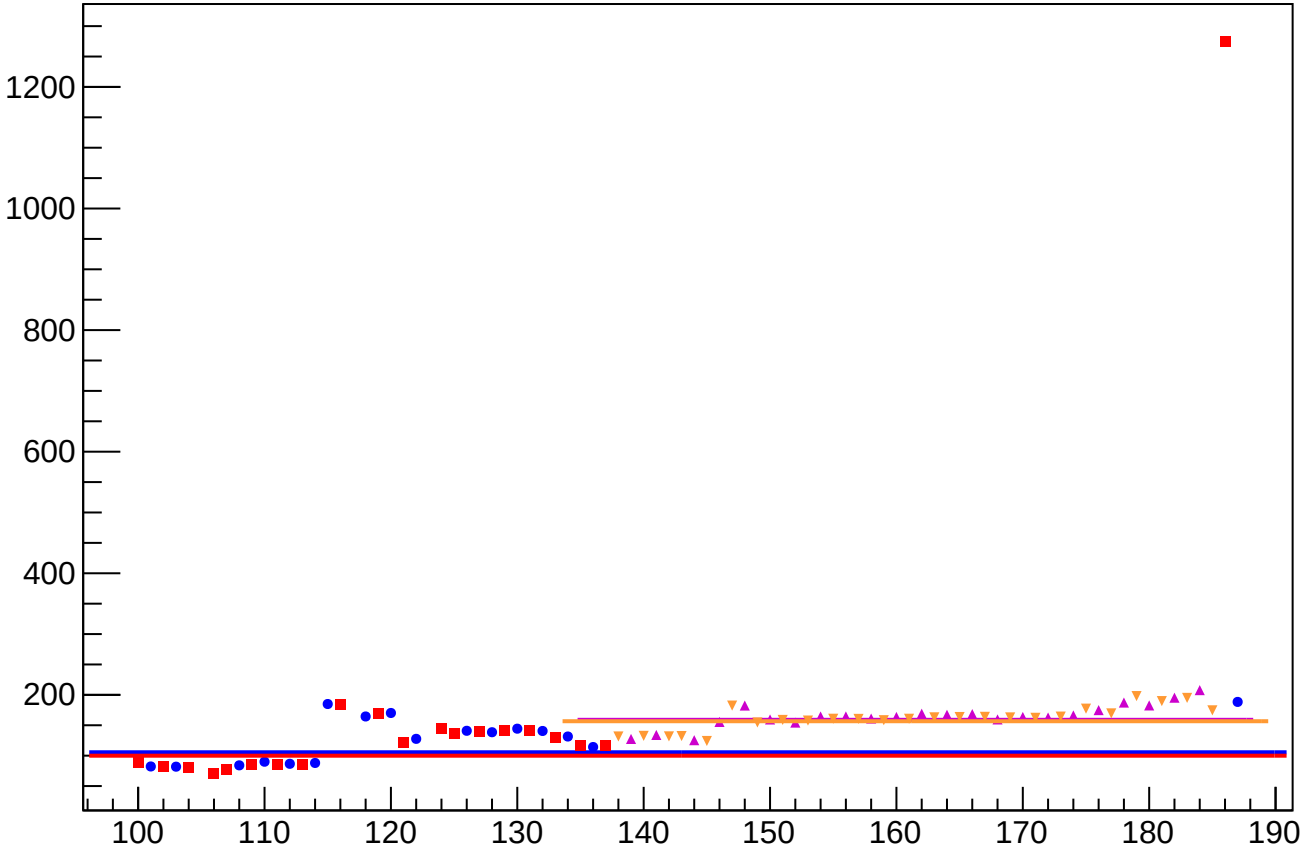
Right: 45.236+/-27.570 χ^2/NDF: 37.4/36

In: 96.461+/-27.378 χ^2/NDF:52.6/39

Out: 144.906+/-26.055 χ^2/NDF:55.5/44

All: 121.883+/-18.874 χ^2/NDF: 109.7/84

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.575+/-0.028 χ^2/NDF: 1004587.1/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 99.930+/-0.027 χ^2/NDF: 1729954.8/19

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

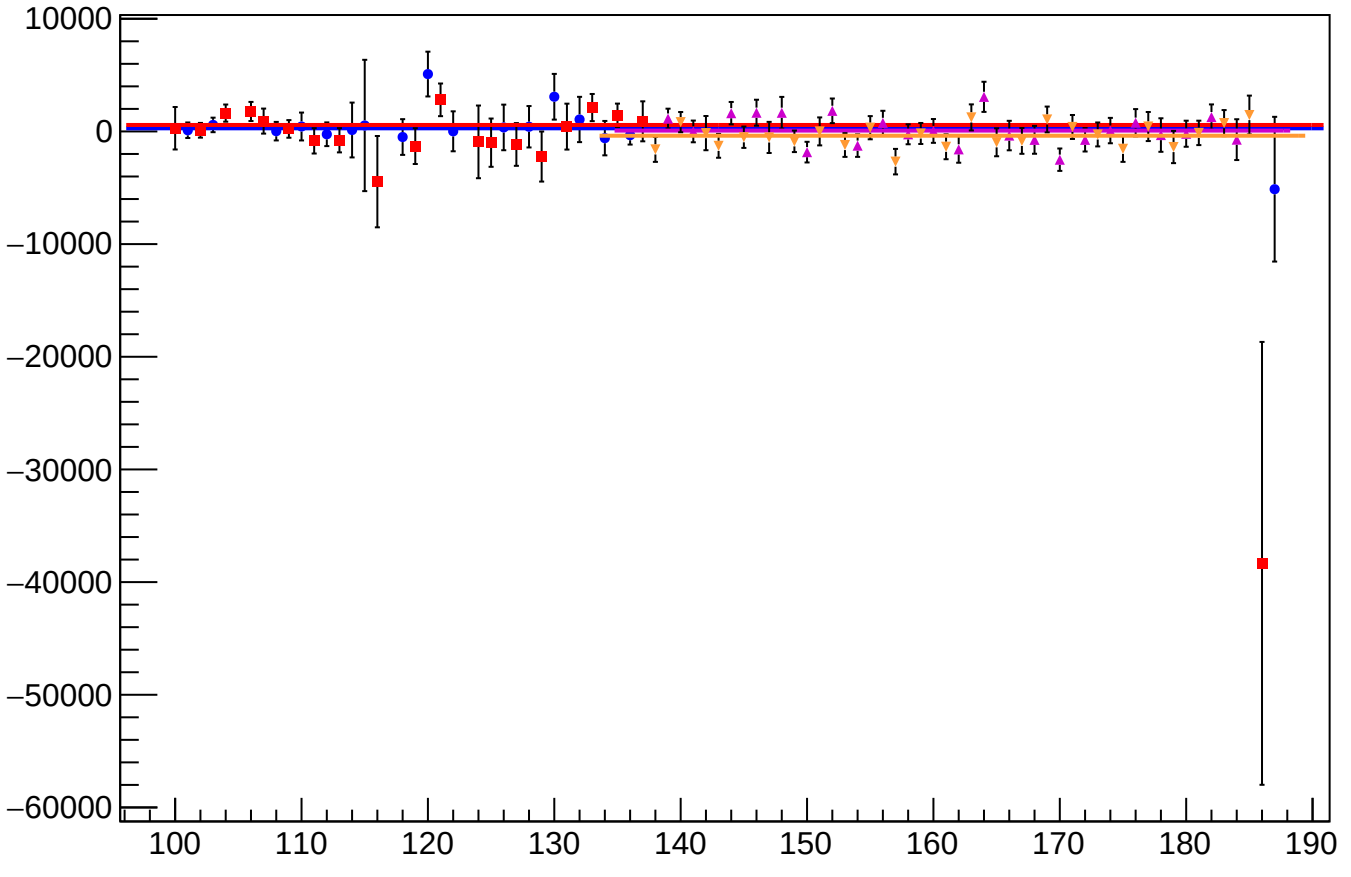
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 102.588+/-0.019 χ^2/NDF: 2755428.7/36

In: 134.170+/-0.019 χ^2/NDF:3406753.0/39

Out: 129.836+/-0.018 χ^2/NDF:4673825.2/44

All: 131.896+/-0.013 χ^2/NDF: 8106868.3/84



Right In: 275.636+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 573.886+/-269.750 χ^2/NDF: 22.7/19

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

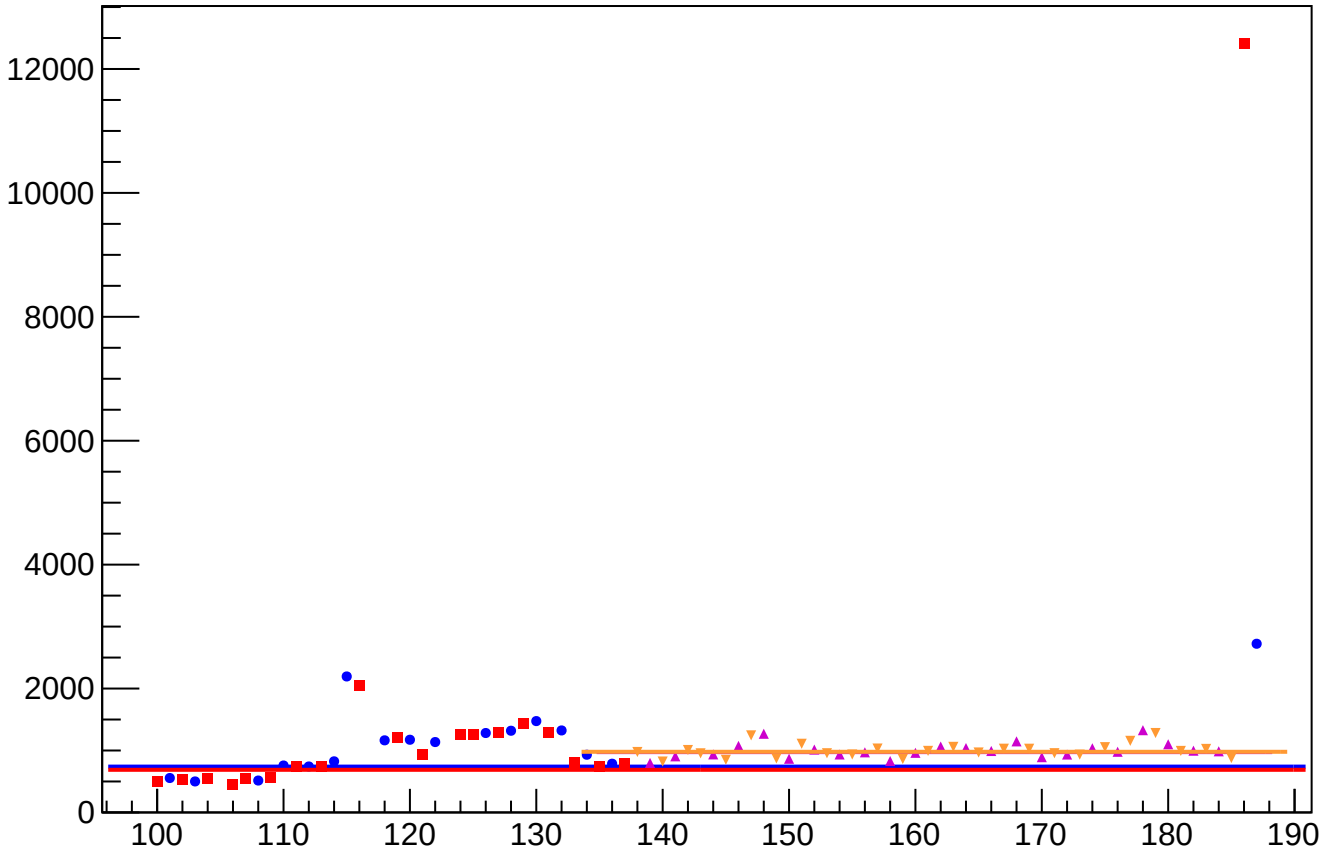
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 437.147+/-198.505 χ^2/NDF: 33.6/36

In: 151.007+/-180.854 χ^2/NDF:43.8/39

Out: 10.042+/-172.582 χ^2/NDF:48.8/44

All: 77.227+/-124.856 χ^2/NDF: 92.9/84



Right In: 740.223+/-0.207 χ^2/NDF: 2035446.0/16

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 688.316+/-0.191 χ^2/NDF: 2529968.7/19

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

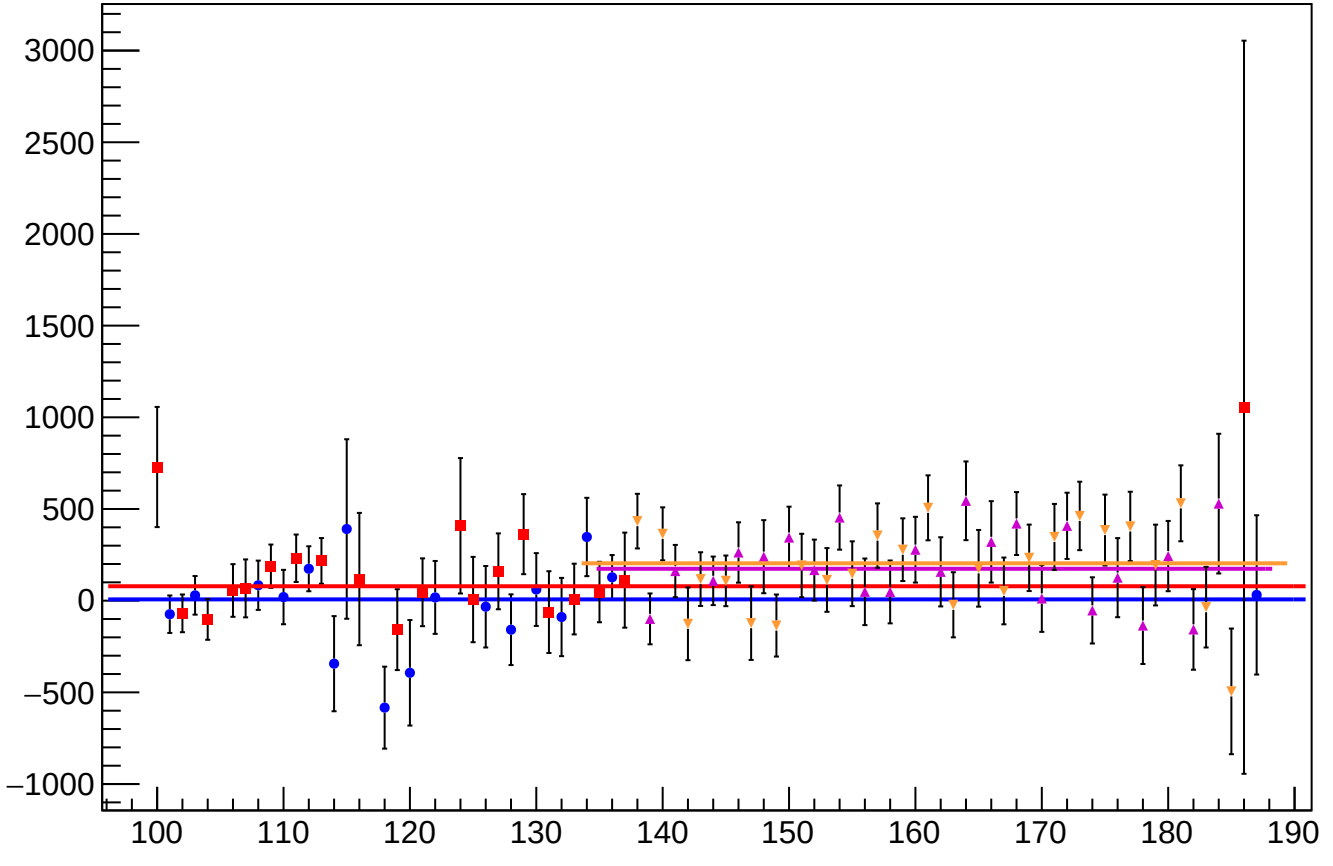
Right: 712.113+/-0.140 χ^2/NDF: 4599367.4/36

In: 884.921+/-0.128 χ^2/NDF:3320605.1/39

Out: 860.081+/-0.122 χ^2/NDF:4332648.2/44

All: 871.920+/-0.088 χ^2/NDF: 7672999.9/84

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 7.010+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 78.698+/-37.902 χ^2/NDF: 16.9/19

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

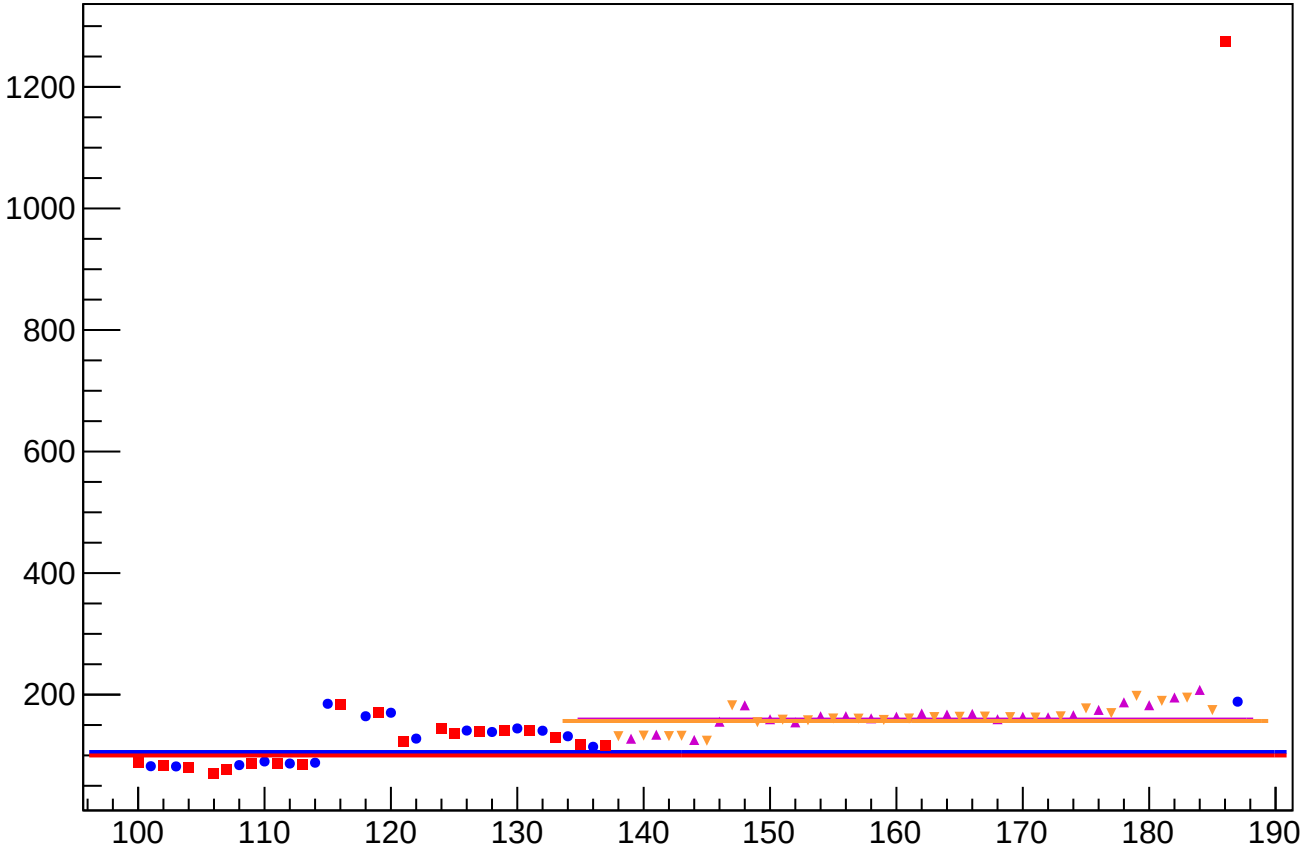
Right: 44.944+/-27.571 χ^2/NDF: 37.4/36

In: 96.458+/-27.378 χ^2/NDF:52.6/39

Out: 144.661+/-26.056 χ^2/NDF:55.5/44

All: 121.752+/-18.874 χ^2/NDF: 109.7/84

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.575+/-0.028 χ^2/NDF: 1004586.4/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 99.906+/-0.027 χ^2/NDF: 1732169.8/19

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

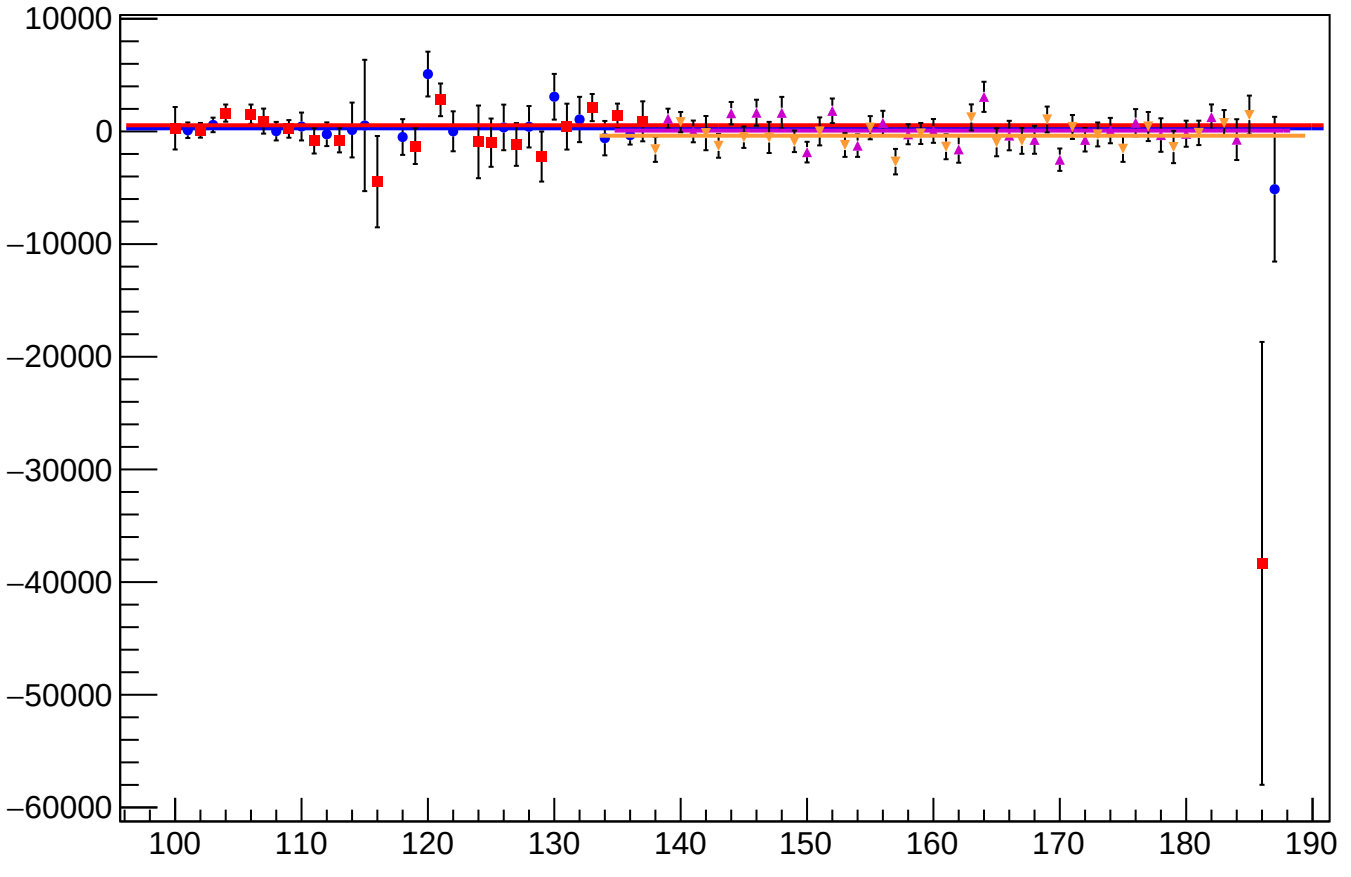
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 102.575+/-0.019 χ^2/NDF: 2757818.3/36

In: 134.170+/-0.019 χ^2/NDF:3406751.0/39

Out: 129.827+/-0.018 χ^2/NDF:4677848.2/44

All: 131.891+/-0.013 χ^2/NDF: 8111001.1/84



Right In: 275.639+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 548.100+/-269.928 χ^2/NDF: 21.9/19

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

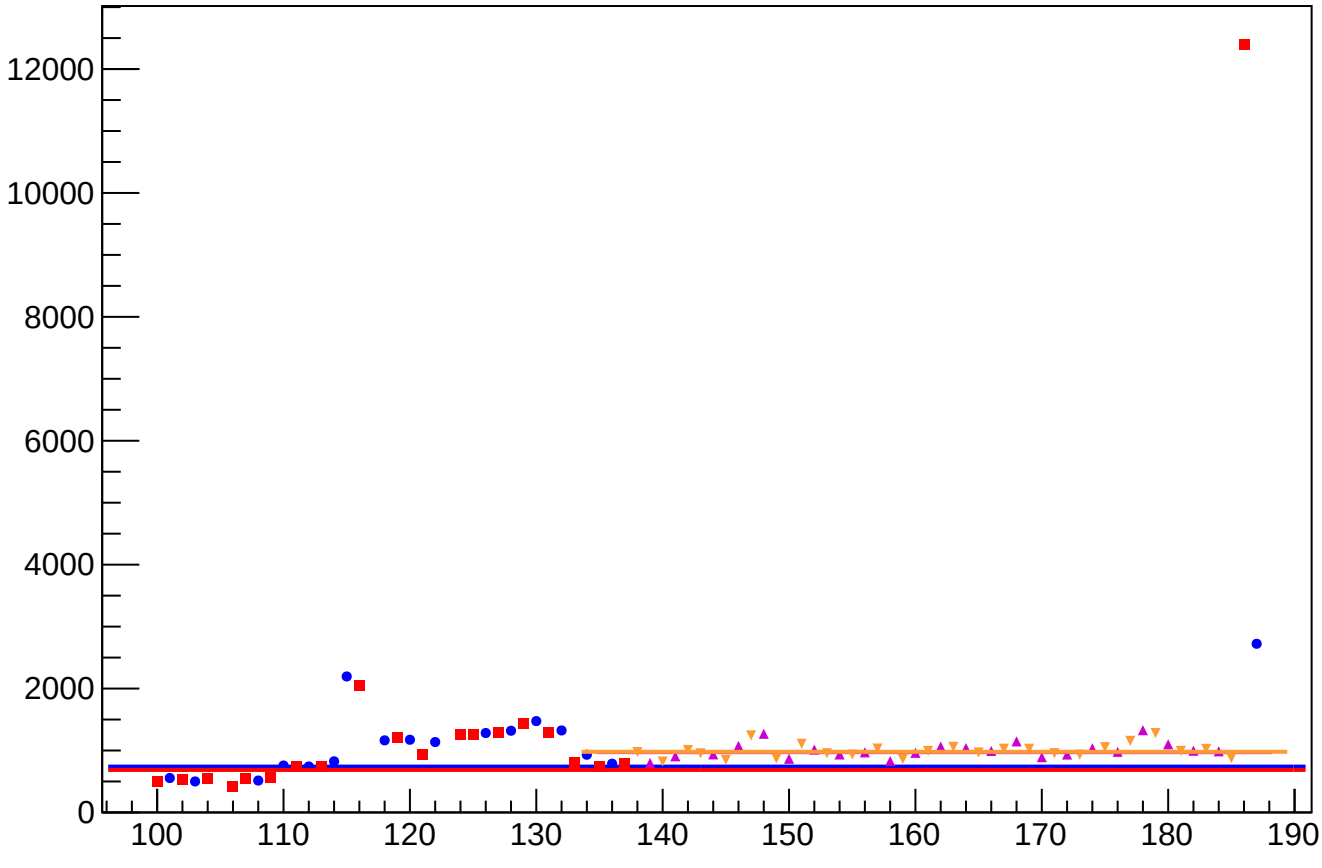
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 423.095+/-198.576 χ^2/NDF: 32.8/36

In: 151.007+/-180.854 χ^2/NDF:43.8/39

Out: -0.802+/-172.628 χ^2/NDF:47.7/44

All: 71.572+/-124.873 χ^2/NDF: 91.8/84



Right In: 740.222+/-0.207 χ^2/NDF: 2035448.0/16

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 686.191+/-0.191 χ^2/NDF: 2561452.9/19

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

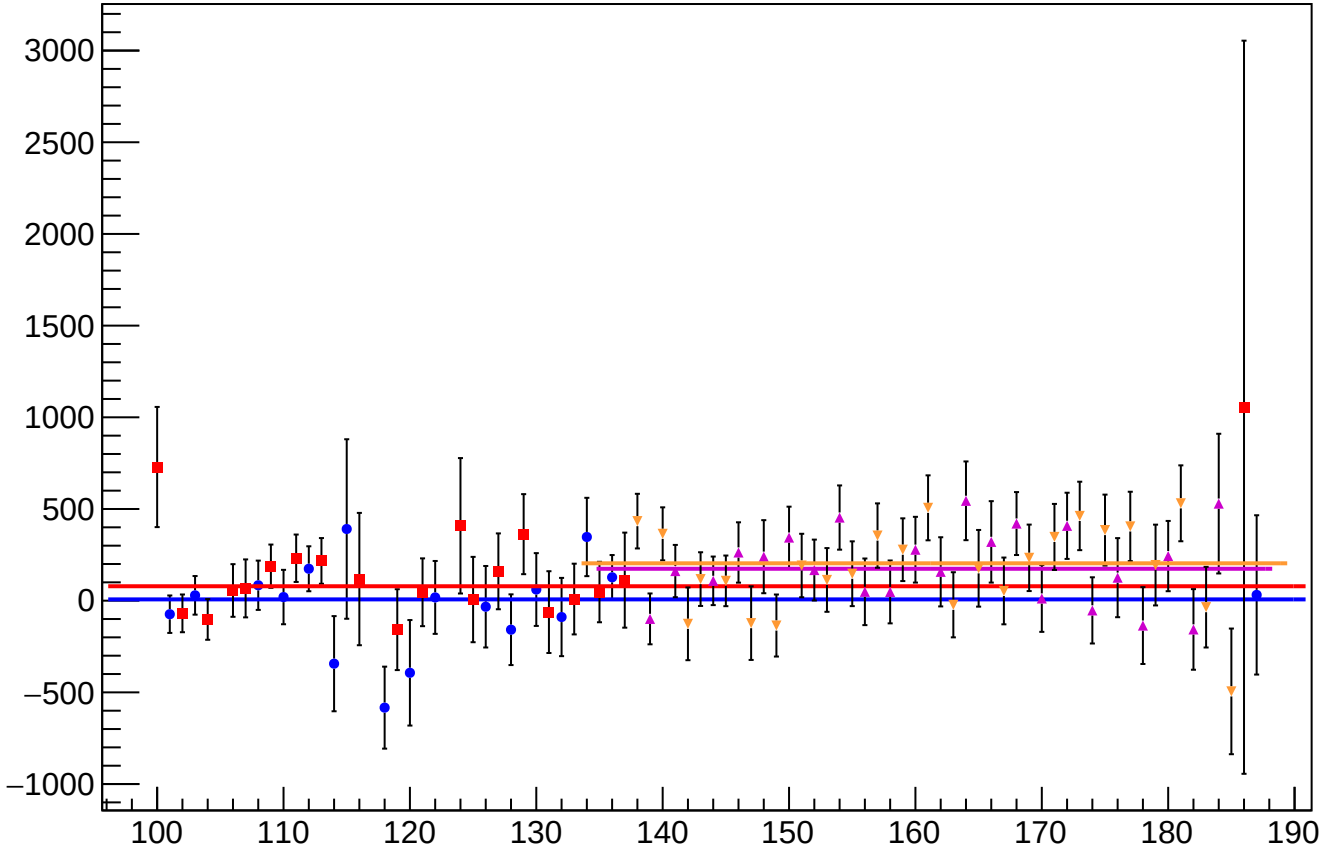
Right: 710.981+/-0.140 χ^2/NDF: 4633666.4/36

In: 884.921+/-0.128 χ^2/NDF:3320613.8/39

Out: 859.306+/-0.122 χ^2/NDF:4383177.5/44

All: 871.517+/-0.088 χ^2/NDF: 7724784.7/84

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 7.010+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 78.698+/-37.902 χ^2/NDF: 16.9/19

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

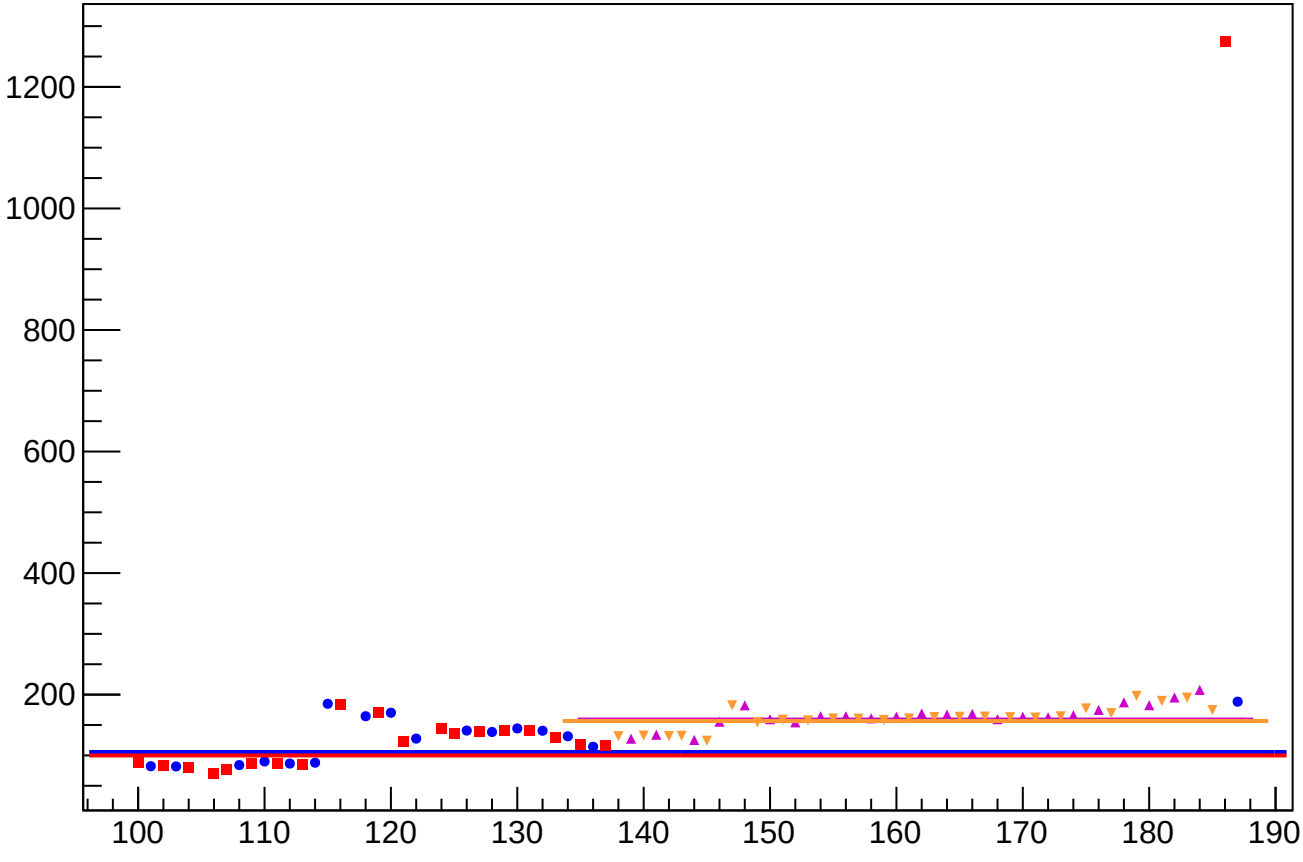
Right: 44.944+/-27.571 χ^2/NDF: 37.4/36

In: 96.458+/-27.378 χ^2/NDF:52.6/39

Out: 144.661+/-26.056 χ^2/NDF:55.5/44

All: 121.752+/-18.874 χ^2/NDF: 109.7/84

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.575+/-0.028 χ^2/NDF: 1004586.4/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 99.906+/-0.027 χ^2/NDF: 1732169.8/19

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

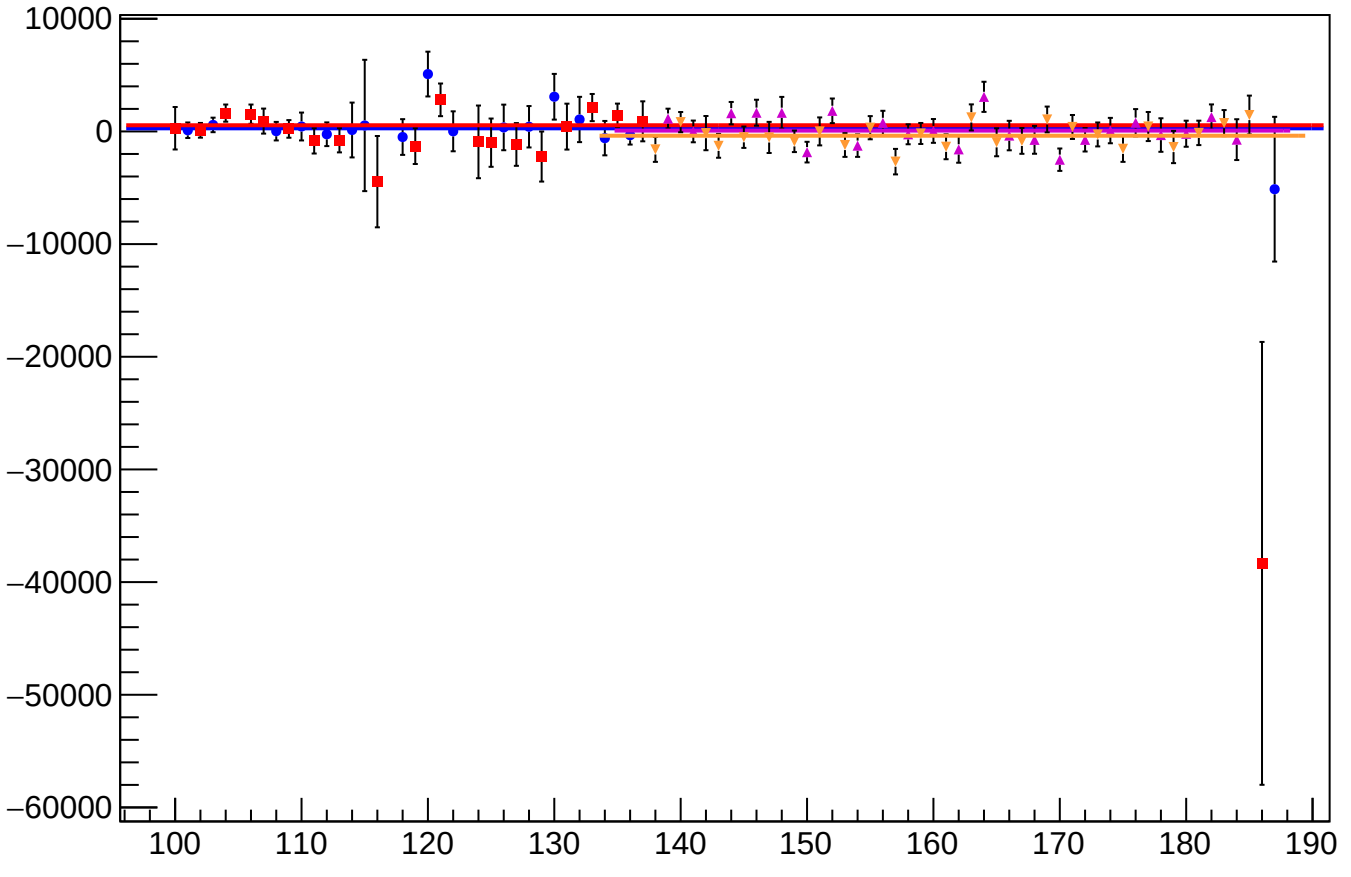
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 102.575+/-0.019 χ^2/NDF: 2757818.3/36

In: 134.170+/-0.019 χ^2/NDF:3406751.0/39

Out: 129.827+/-0.018 χ^2/NDF:4677848.2/44

All: 131.891+/-0.013 χ^2/NDF: 8111001.1/84



Right In: 275.639+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 548.100+/-269.928 χ^2/NDF: 21.9/19

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

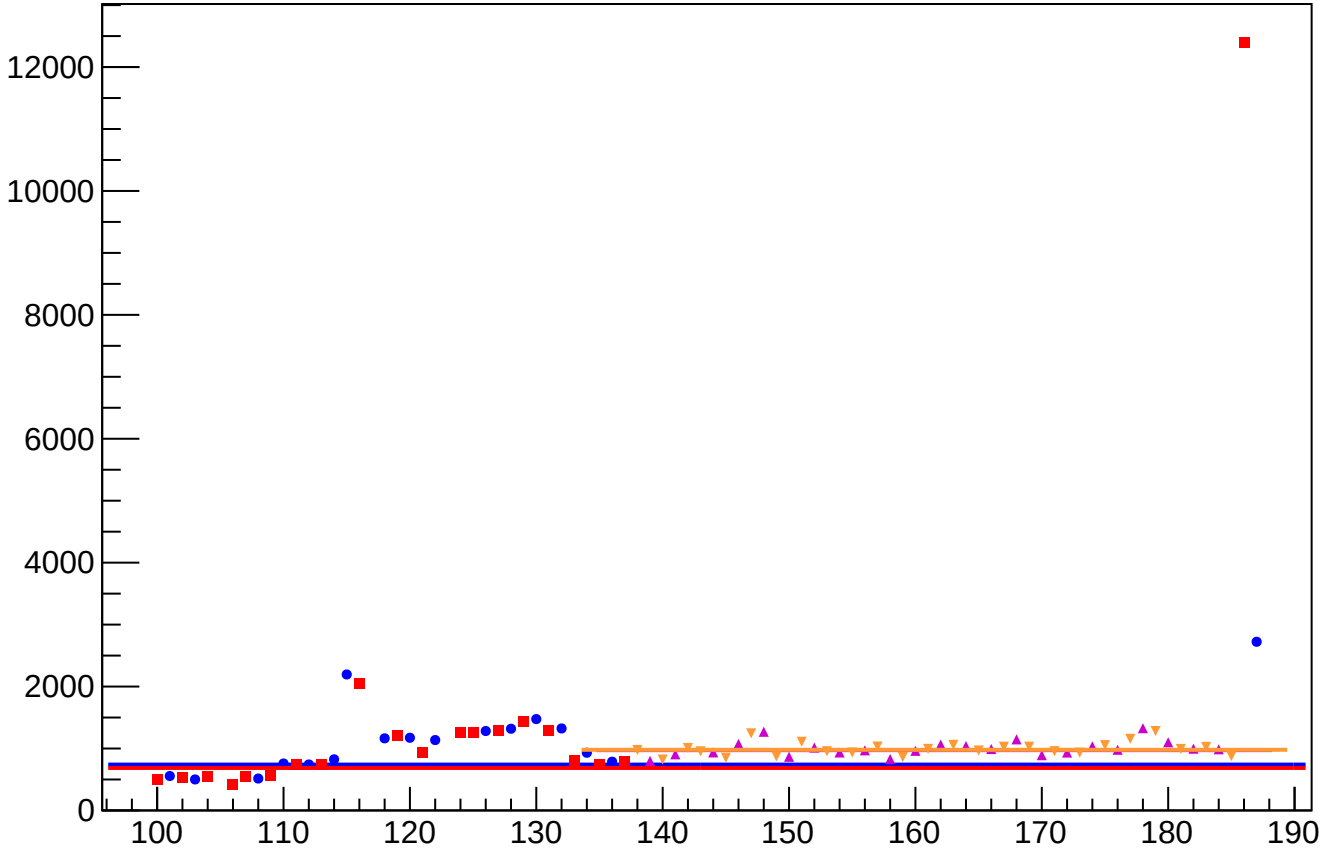
Right: 423.095+/-198.576 χ^2/NDF: 32.8/36

In: 151.007+/-180.854 χ^2/NDF:43.8/39

Out: -0.802+/-172.628 χ^2/NDF:47.7/44

All: 71.572+/-124.873 χ^2/NDF: 91.8/84

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 740.222+/-0.207 χ^2/NDF: 2035448.0/16

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 686.191+/-0.191 χ^2/NDF: 2561452.9/19

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

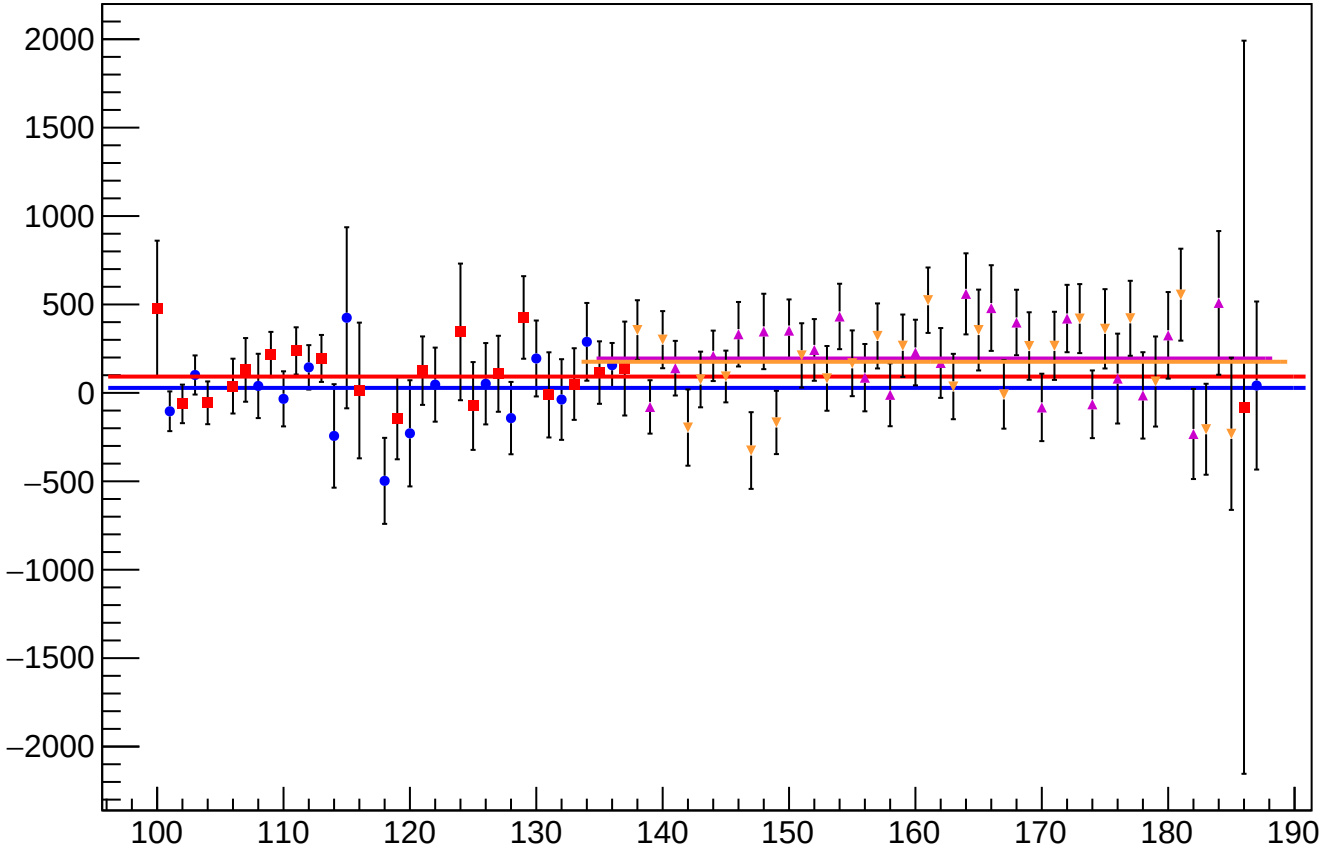
Right: 710.981+/-0.140 χ^2/NDF: 4633666.4/36

In: 884.921+/-0.128 χ^2/NDF:3320613.8/39

Out: 859.306+/-0.122 χ^2/NDF:4383177.5/44

All: 871.517+/-0.088 χ^2/NDF: 7724784.7/84

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.206+/-43.258 χ^2/NDF: 13.6/16

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 92.181+/-40.531 χ^2/NDF: 11.7/19

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

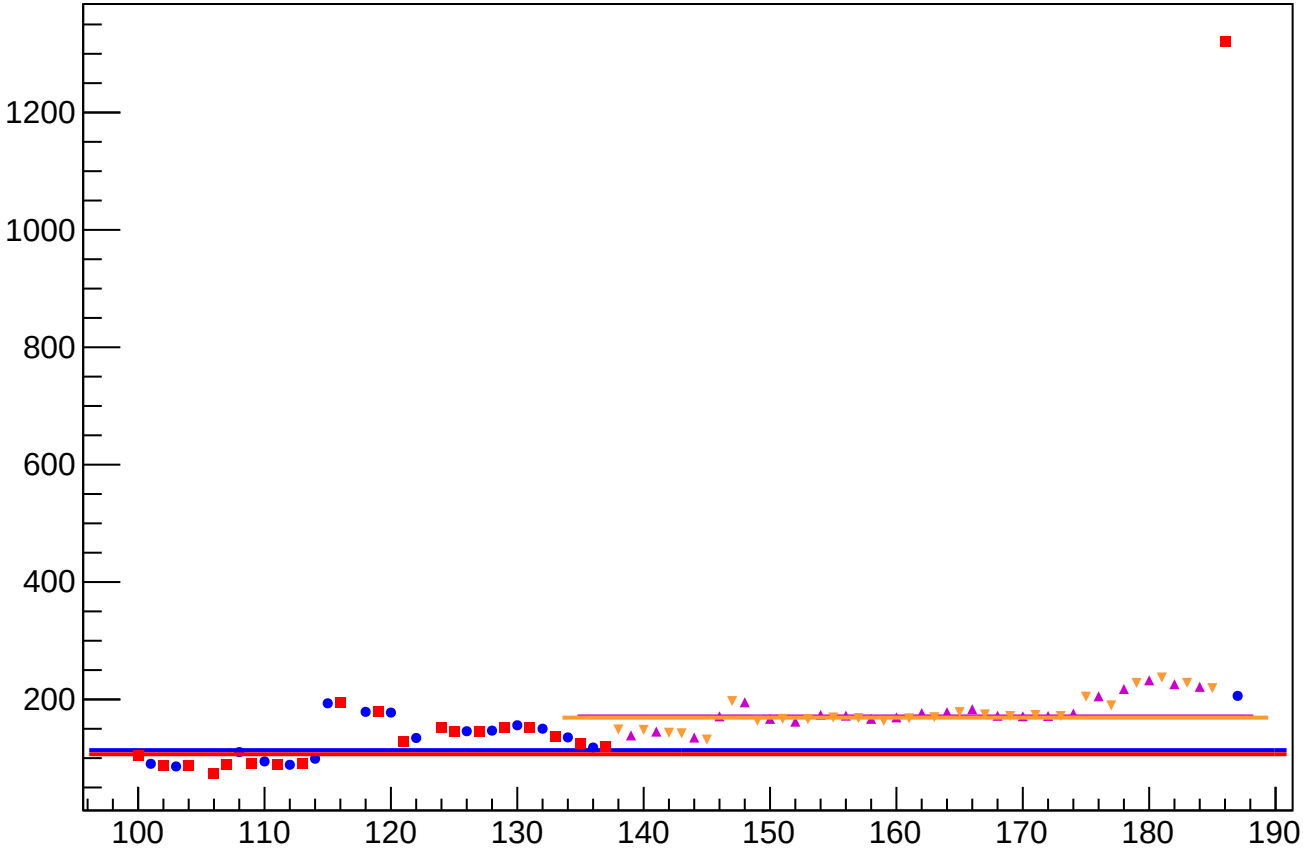
Right: 62.273+/-29.577 χ^2/NDF: 26.4/36

In: 116.968+/-29.520 χ^2/NDF:45.3/39

Out: 135.883+/-28.042 χ^2/NDF:44.7/44

All: 126.911+/-20.331 χ^2/NDF: 90.2/84

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.615+/-0.031 χ^2/NDF: 948579.4/16

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 106.623+/-0.029 χ^2/NDF: 1688749.9/19

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

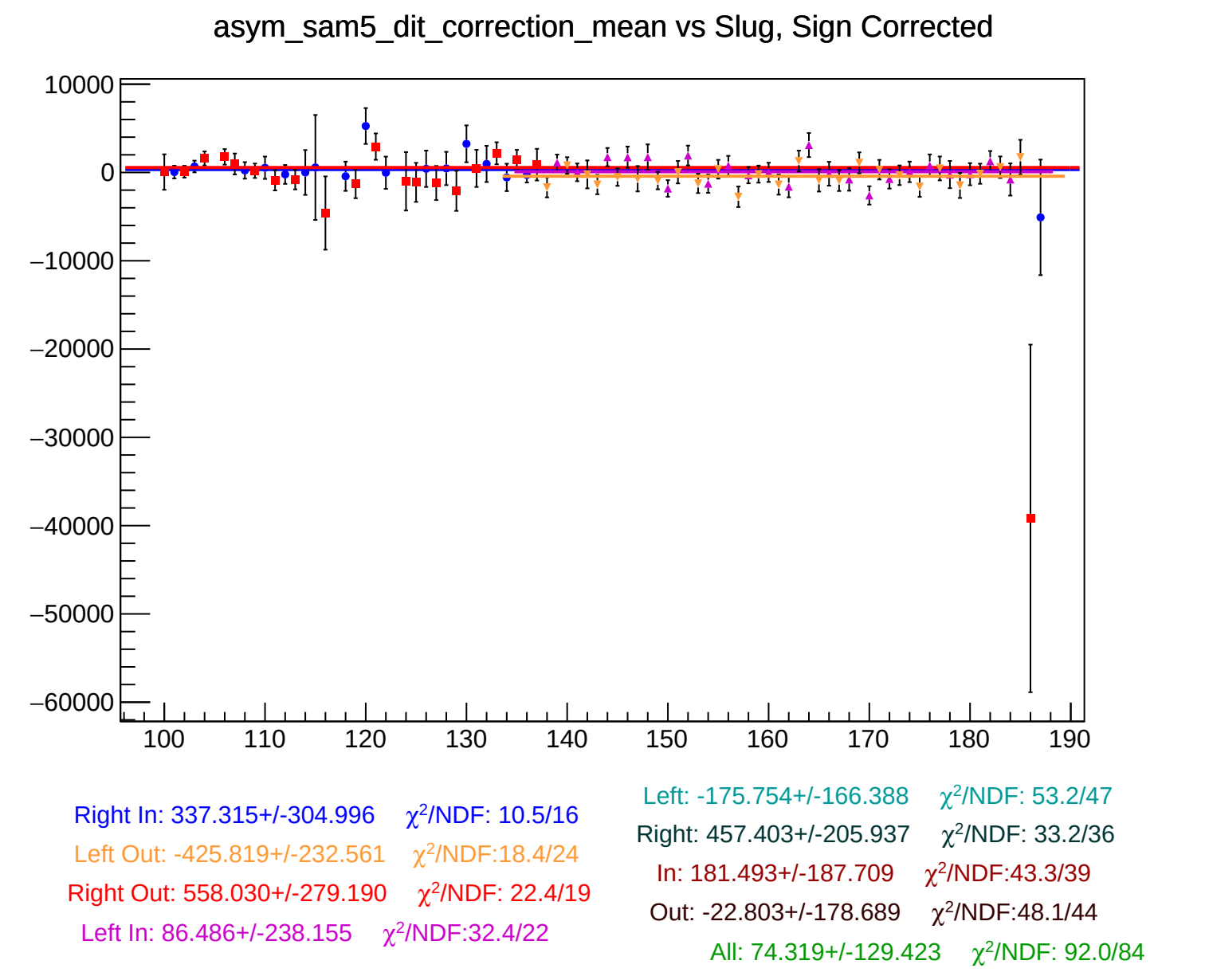
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

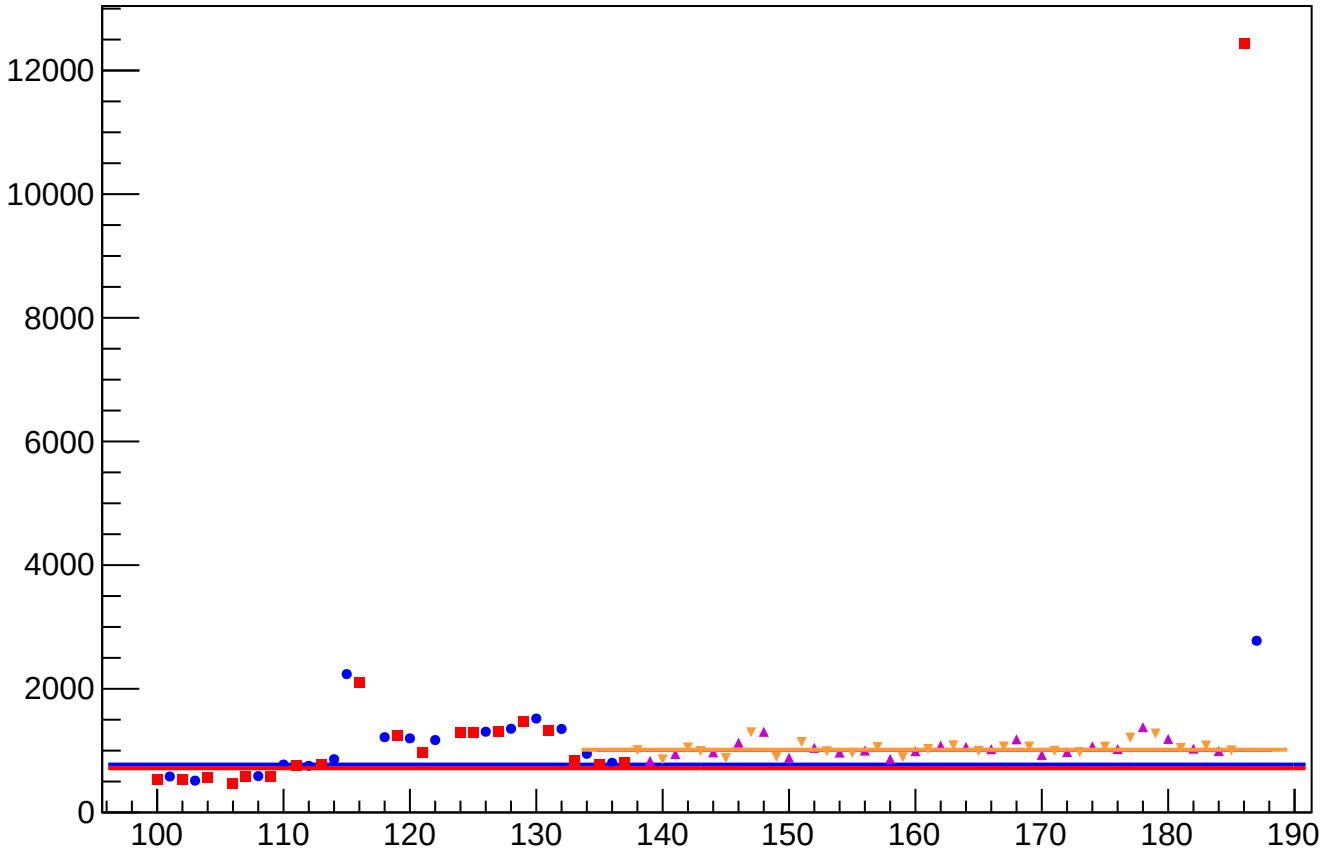
Right: 109.892+/-0.021 χ^2/NDF: 2665155.3/36

In: 144.289+/-0.021 χ^2/NDF:3508635.7/39

Out: 139.147+/-0.020 χ^2/NDF:4932935.4/44

All: 141.586+/-0.014 χ^2/NDF: 8473472.4/84


asym_sam5_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
180
190
Right In: 337.315+/-304.996 χ²/NDF: 10.5/16
Left Out: -425.819+/-232.561 χ²/NDF:18.4/24
Right Out: 558.030+/-279.190 χ²/NDF: 22.4/19
Left In: 86.486+/-238.155 χ²/NDF:32.4/22
Left: -175.754+/-166.388 χ²/NDF: 53.2/47
Right: 457.403+/-205.937 χ²/NDF: 33.2/36
In: 181.493+/-187.709 χ²/NDF:43.3/39
Out: -22.803+/-178.689 χ²/NDF:48.1/44
All: 74.319+/-129.423 χ²/NDF: 92.0/84



Right In: 773.915+/-0.216 χ^2/NDF: 1927628.2/16

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 714.986+/-0.197 χ^2/NDF: 2475769.2/19

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

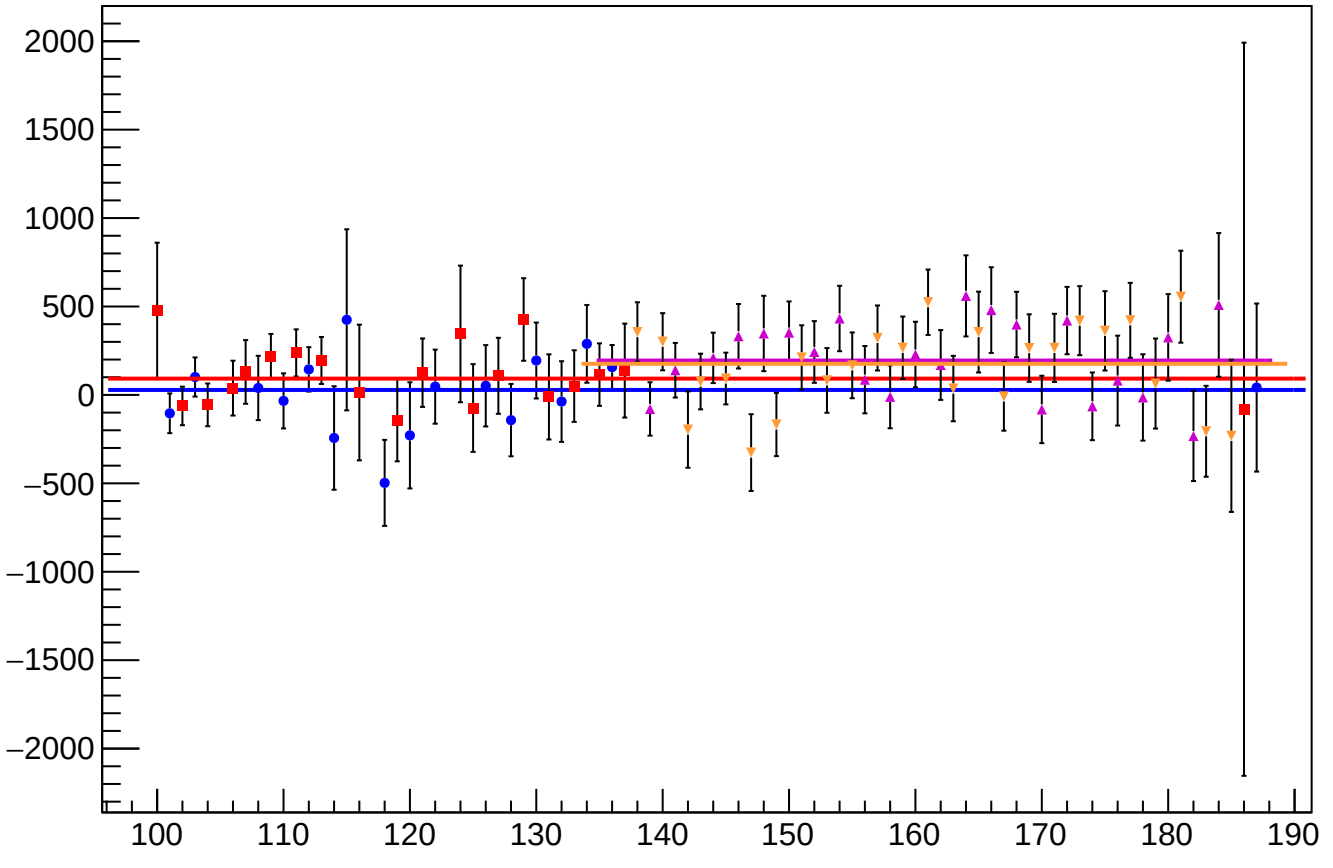
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 741.852+/-0.146 χ^2/NDF: 4444021.1/36

In: 920.374+/-0.133 χ^2/NDF:3168778.5/39

Out: 892.132+/-0.126 χ^2/NDF:4237593.7/44

All: 905.558+/-0.092 χ^2/NDF: 7430123.3/84



Right In: 28.205+/-43.258 χ^2/NDF: 13.6/16

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 92.181+/-40.531 χ^2/NDF: 11.7/19

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

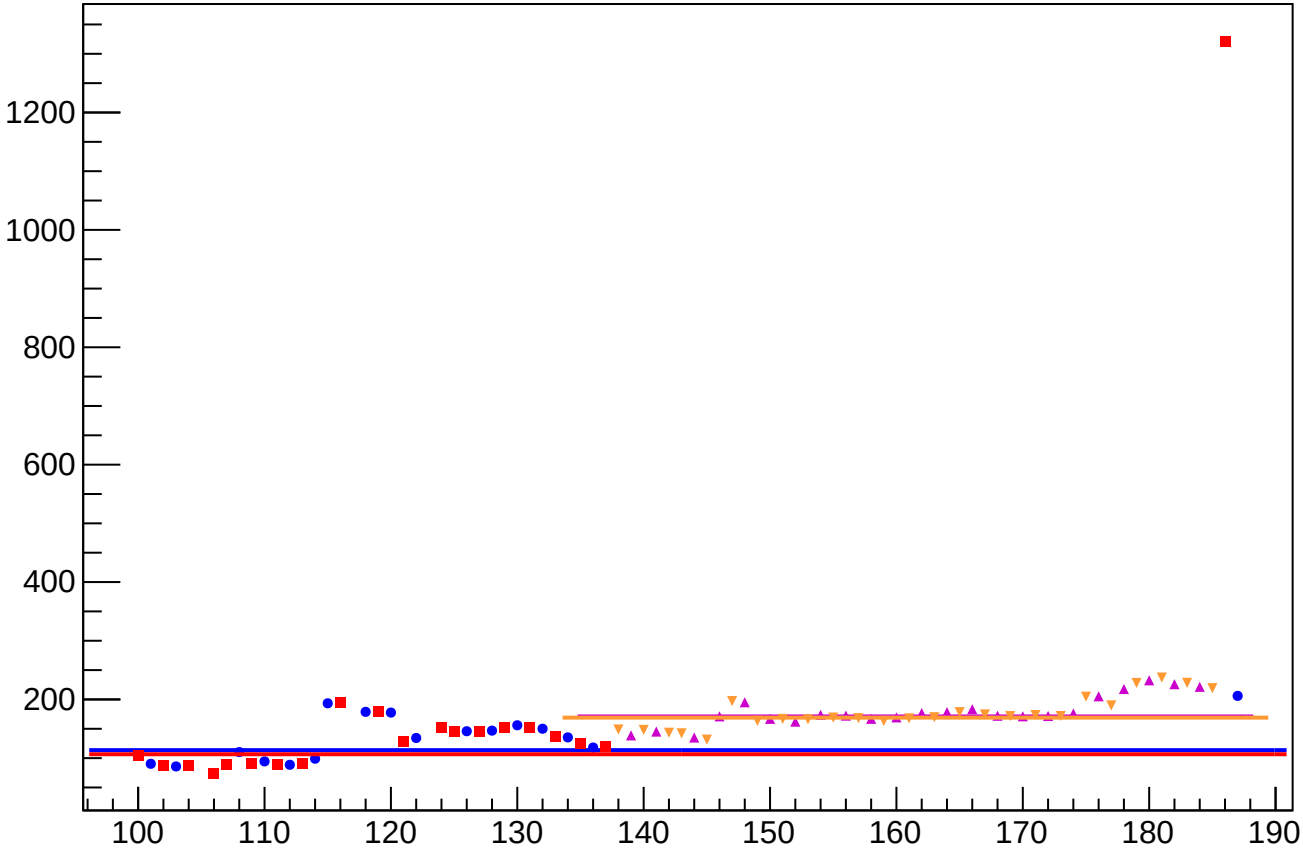
Right: 62.273+/-29.577 χ^2/NDF: 26.4/36

In: 116.967+/-29.520 χ^2/NDF:45.3/39

Out: 135.884+/-28.042 χ^2/NDF:44.7/44

All: 126.911+/-20.331 χ^2/NDF: 90.2/84

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.615+/-0.031 χ^2/NDF: 948575.2/16

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 106.623+/-0.029 χ^2/NDF: 1688738.2/19

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

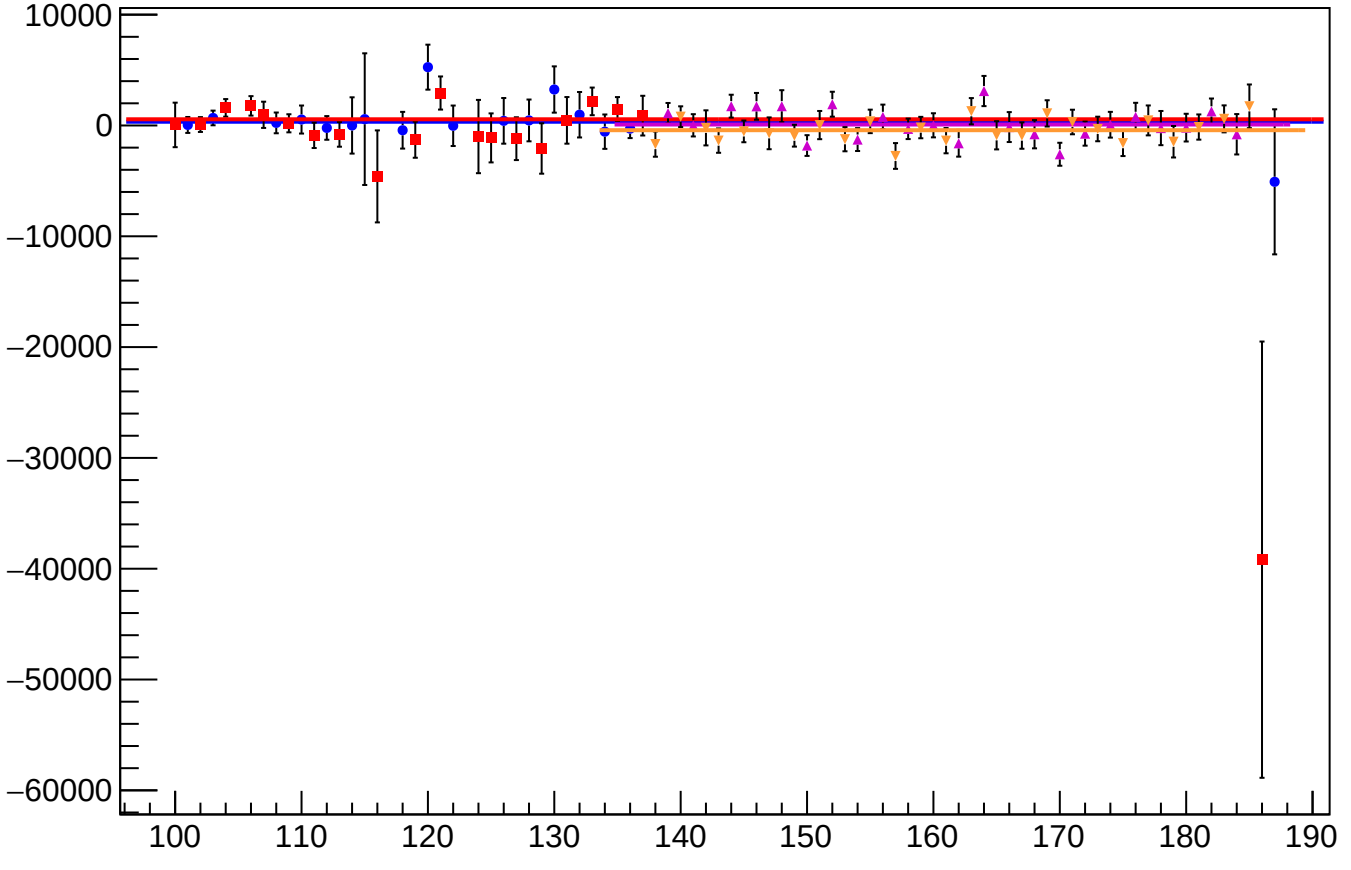
Right: 109.892+/-0.021 χ^2/NDF: 2665138.8/36

In: 144.289+/-0.021 χ^2/NDF:3508661.9/39

Out: 139.147+/-0.020 χ^2/NDF:4932941.8/44

All: 141.586+/-0.014 χ^2/NDF: 8473505.2/84

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 337.314+/-304.996 χ^2/NDF: 10.5/16

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 558.030+/-279.190 χ^2/NDF: 22.4/19

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

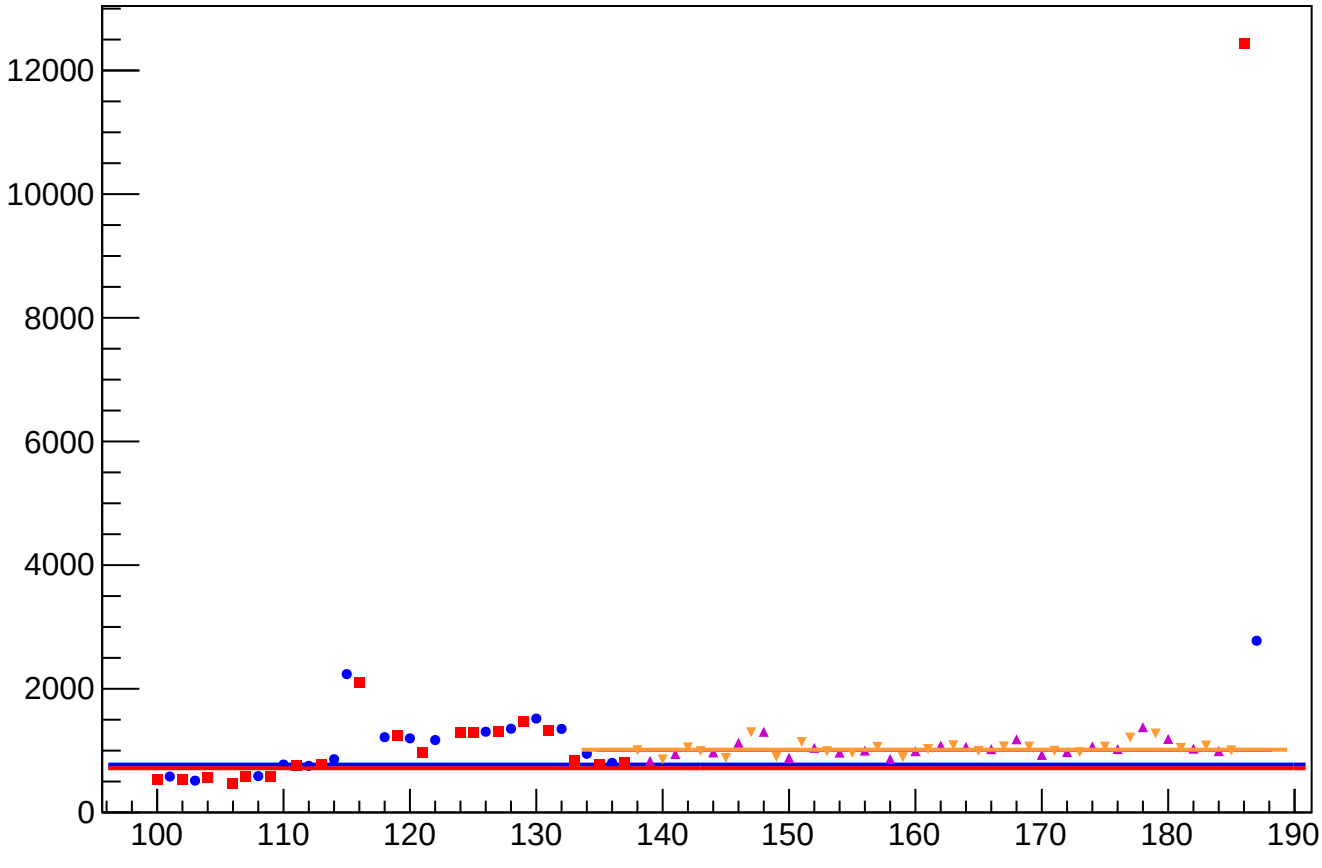
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 457.403+/-205.937 χ^2/NDF: 33.2/36

In: 181.493+/-187.709 χ^2/NDF:43.3/39

Out: -22.801+/-178.689 χ^2/NDF:48.1/44

All: 74.320+/-129.423 χ^2/NDF: 92.0/84



Right In: 773.914+/-0.216 χ^2/NDF: 1927625.4/16

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 714.985+/-0.197 χ^2/NDF: 2475761.9/19

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

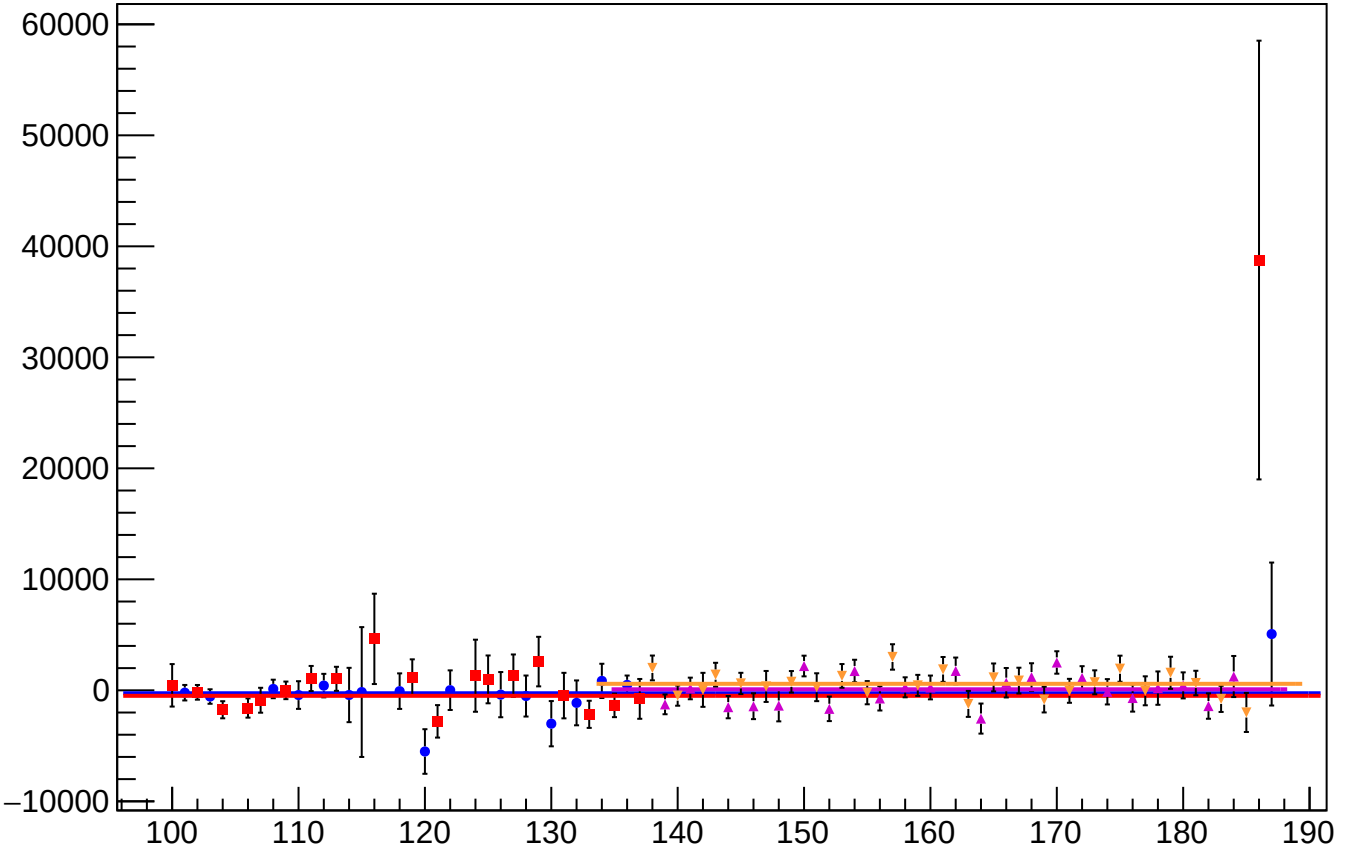
Right: 741.851+/-0.146 χ^2/NDF: 4444011.0/36

In: 920.374+/-0.133 χ^2/NDF:3168792.7/39

Out: 892.132+/-0.126 χ^2/NDF:4237606.2/44

All: 905.558+/-0.092 χ^2/NDF: 7430150.3/84

asym_sam5_mean vs Slug, Sign Corrected



Right In: -264.873+/-296.394 χ^2/NDF: 11.7/16

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -494.494+/-272.965 χ^2/NDF: 24.4/19

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

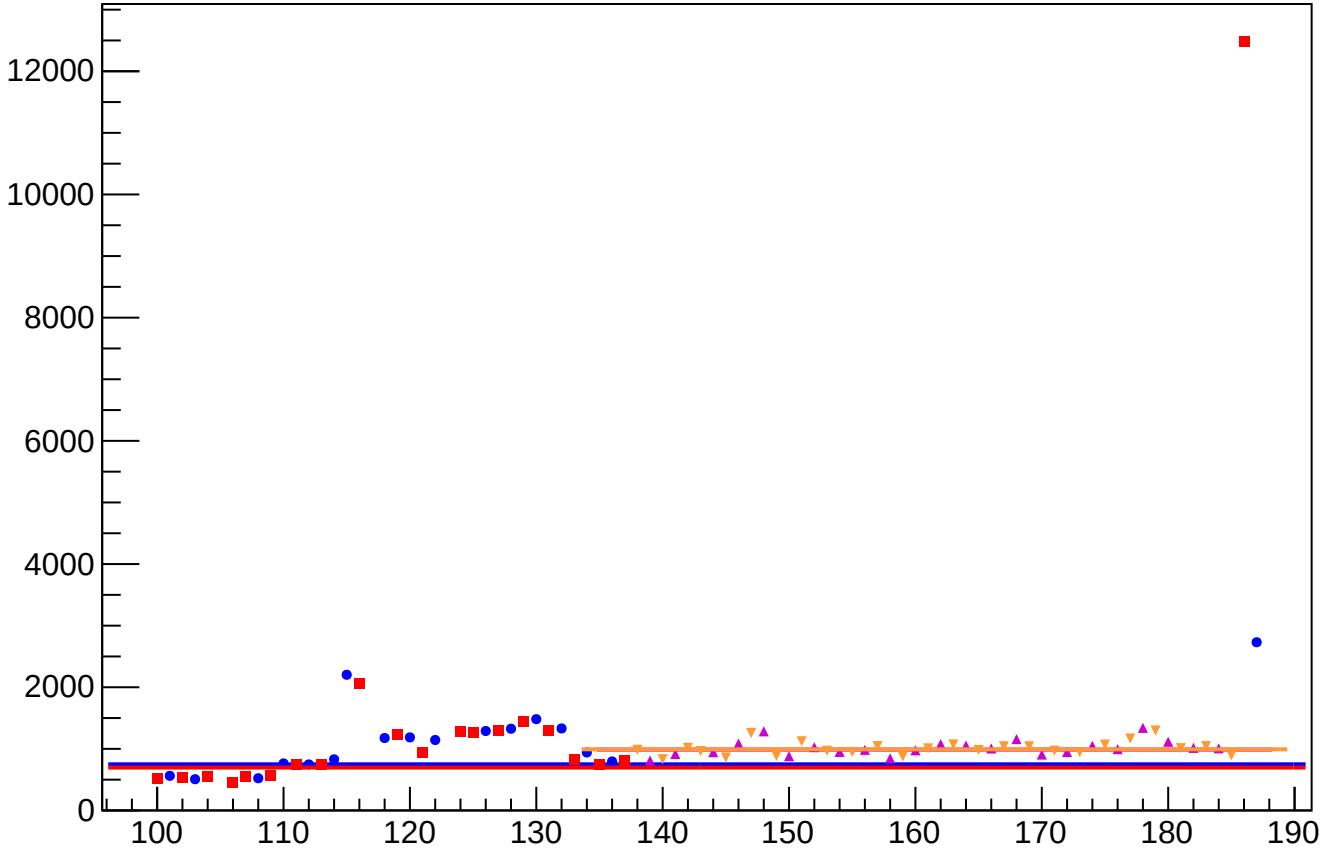
Right: -389.117+/-200.788 χ^2/NDF: 36.5/36

In: -43.895+/-183.186 χ^2/NDF:47.2/39

Out: 143.022+/-174.800 χ^2/NDF:54.4/44

All: 53.940+/-126.463 χ^2/NDF: 102.2/84

asym_sam5_rms vs Slug, Sign Corrected



Right In: 748.989+/-0.210 χ^2/NDF: 2012318.0/16

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 696.596+/-0.193 χ^2/NDF: 2514365.0/19

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

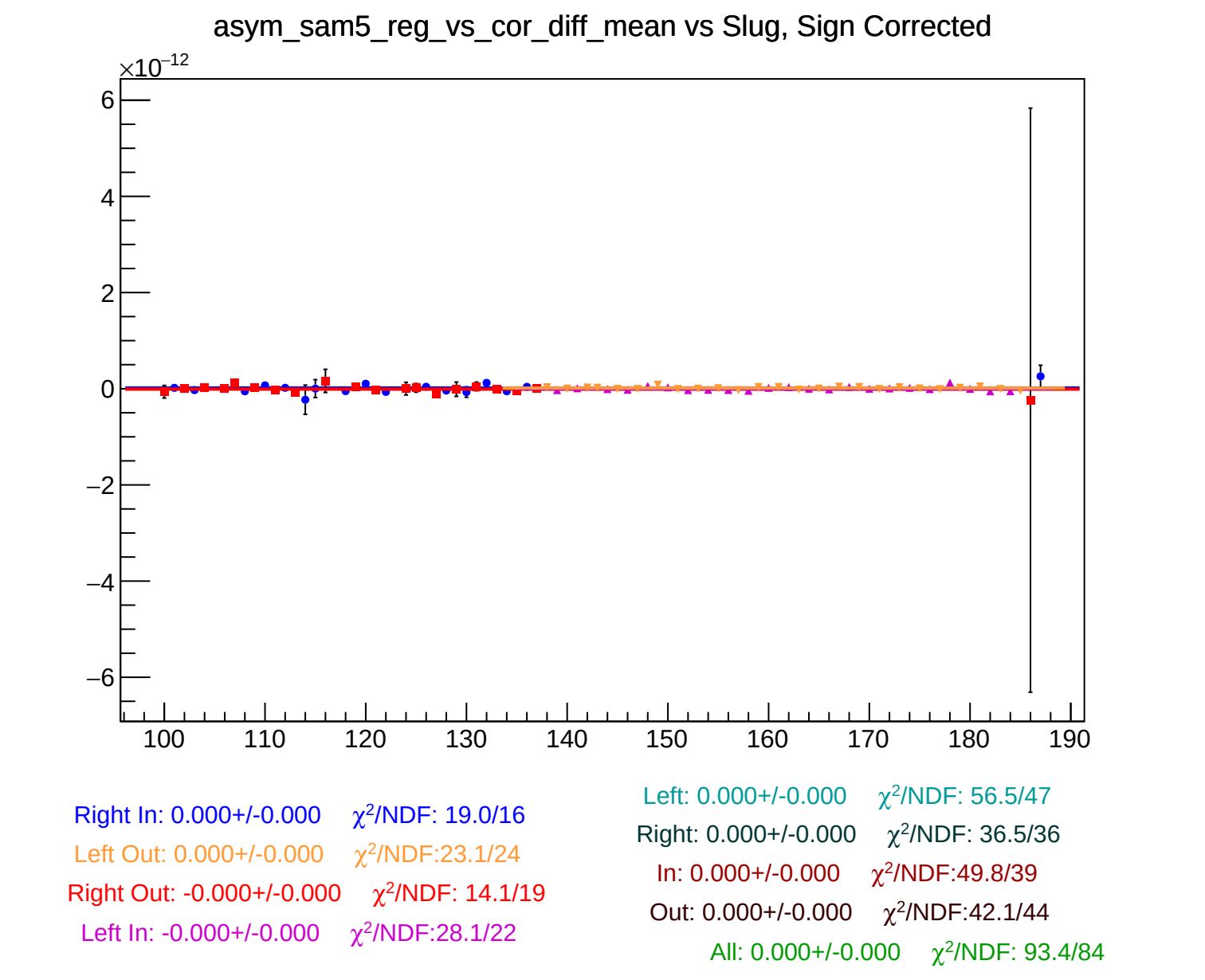
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

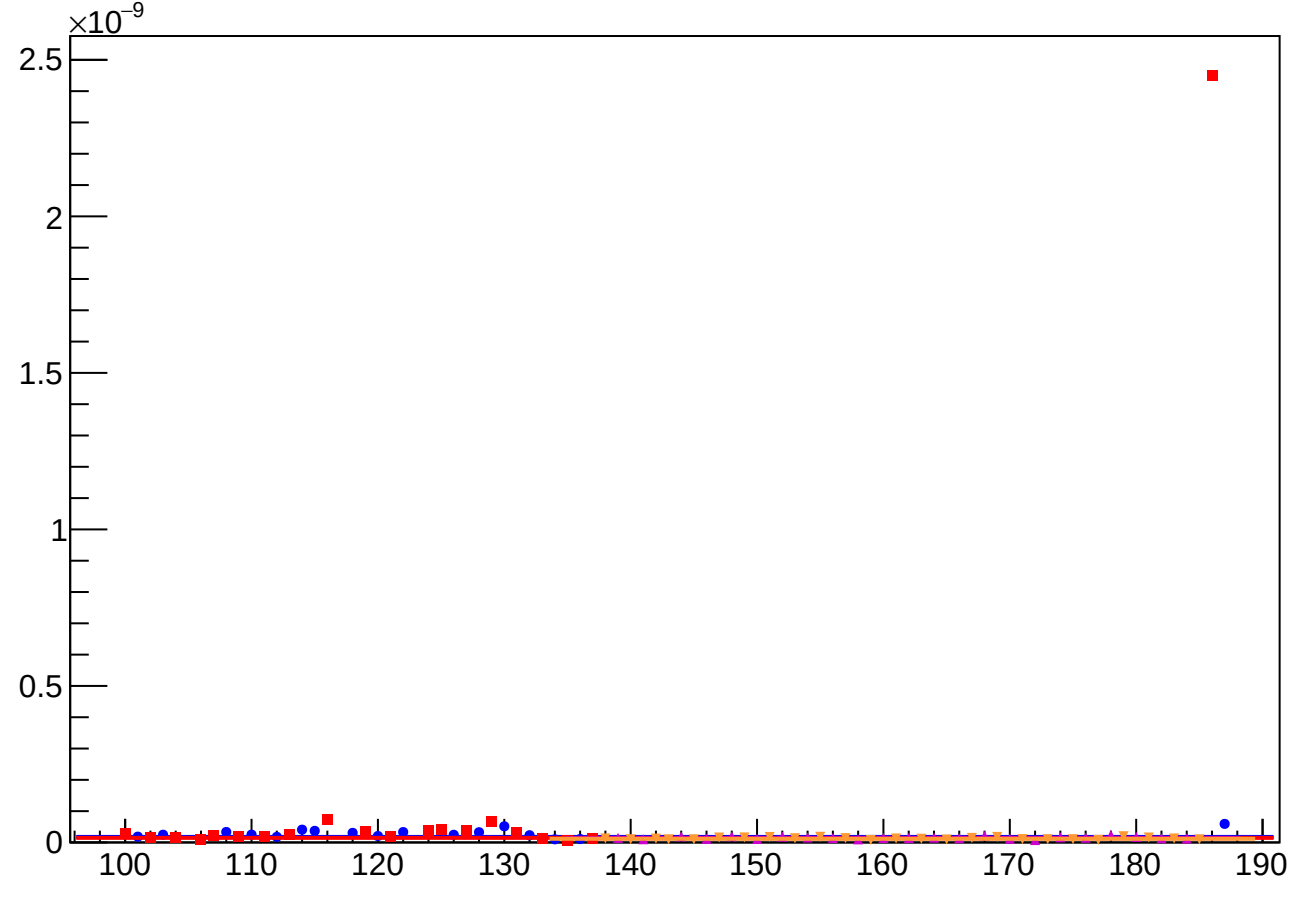
Right: 720.640+/-0.142 χ^2/NDF: 4560497.6/36

In: 896.568+/-0.130 χ^2/NDF:3302361.1/39

Out: 871.185+/-0.124 χ^2/NDF:4326202.5/44

All: 883.282+/-0.089 χ^2/NDF: 7648663.8/84


asym_sam5_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.0/16
Left Out: 0.000+/-0.000 χ²/NDF:23.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.1/19
Left In: -0.000+/-0.000 χ²/NDF:28.1/22
Left: 0.000+/-0.000 χ²/NDF: 56.5/47
Right: 0.000+/-0.000 χ²/NDF: 36.5/36
In: 0.000+/-0.000 χ²/NDF:49.8/39
Out: 0.000+/-0.000 χ²/NDF:42.1/44
All: 0.000+/-0.000 χ²/NDF: 93.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 1221672.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2063033.3/19

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

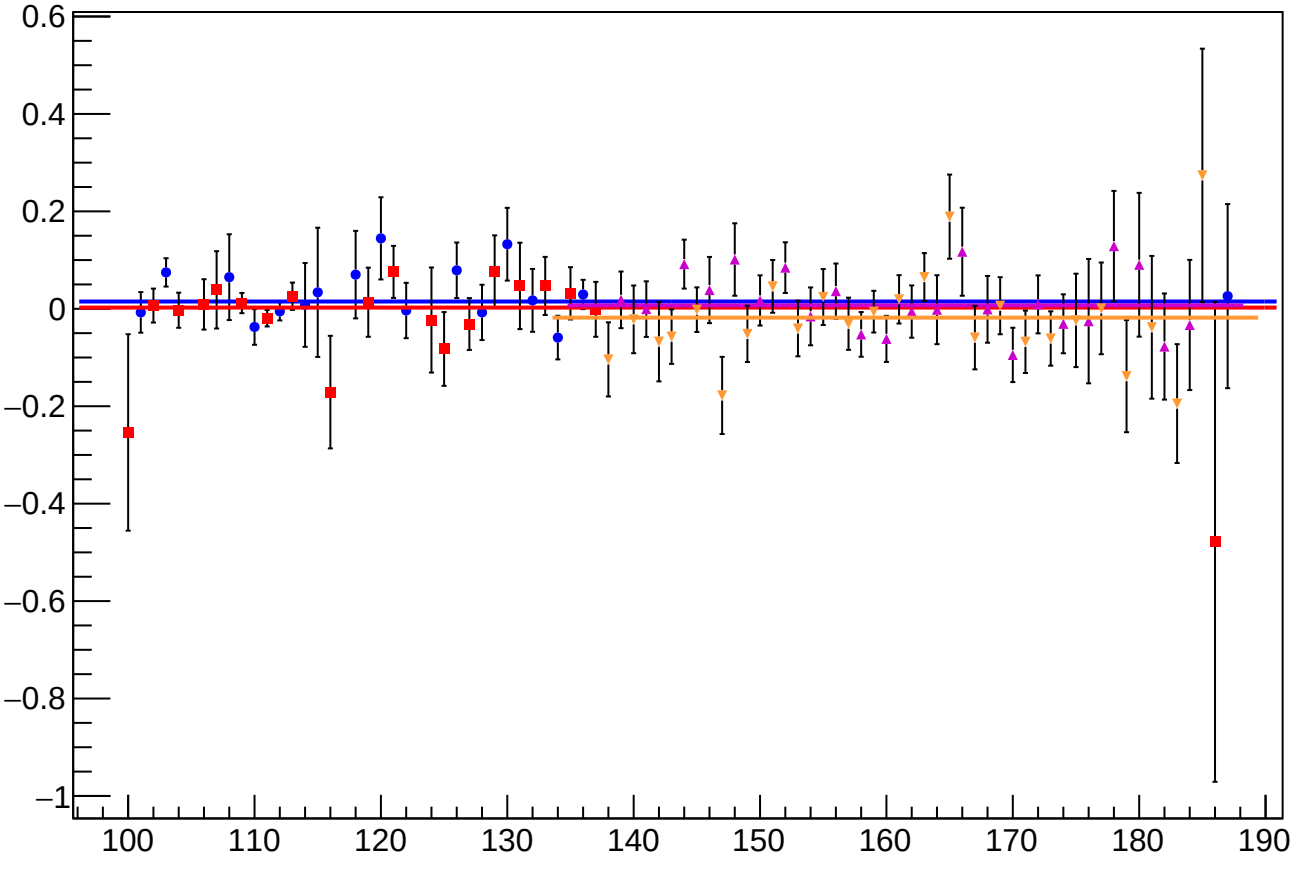
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 3371586.4/36

In: 0.000+/-0.000 χ^2/NDF:2327855.3/39

Out: 0.000+/-0.000 χ^2/NDF:2988298.5/44

All: 0.000+/-0.000 χ^2/NDF: 5508153.7/84



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 13.4/19

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

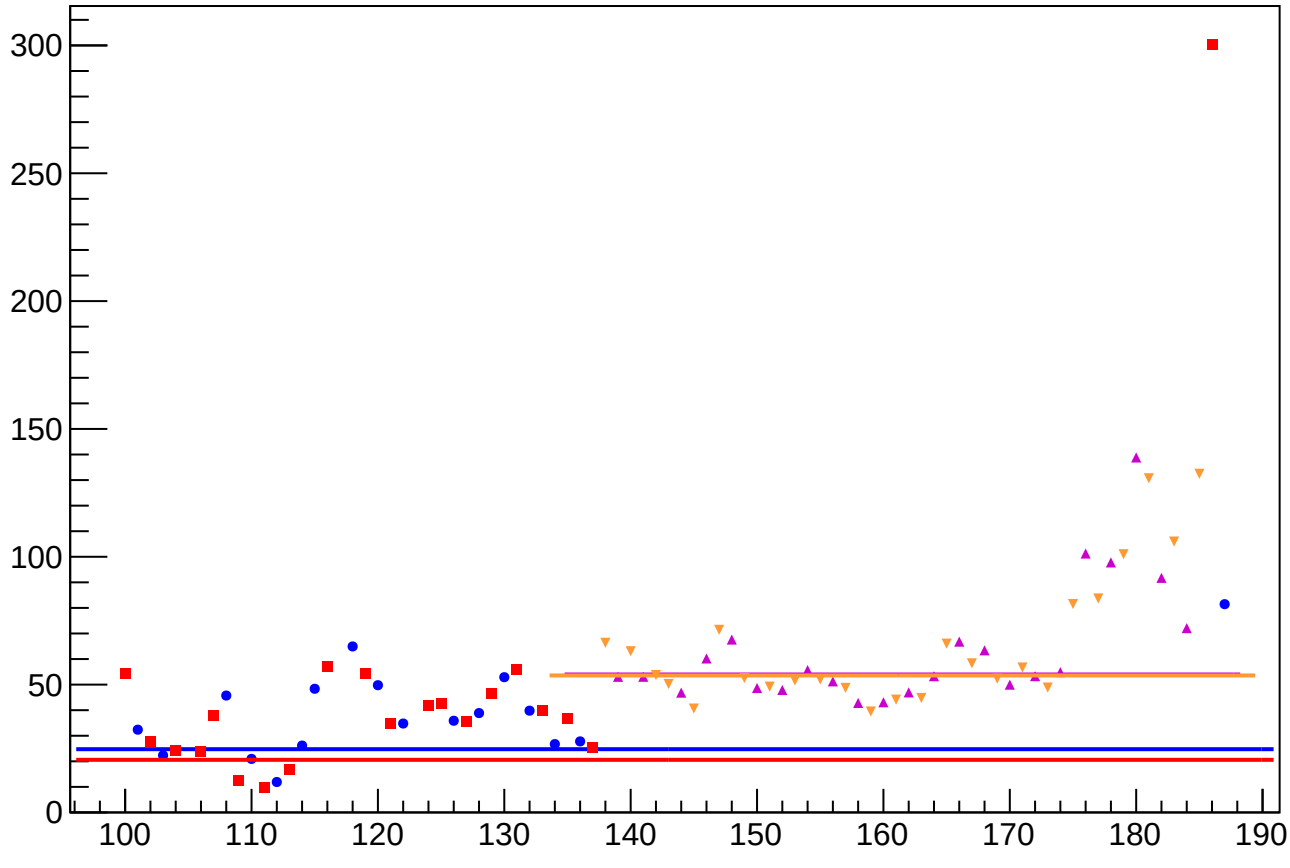
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.008+/-0.007 χ^2/NDF: 32.0/36

In: 0.012+/-0.008 χ^2/NDF:36.7/39

Out: -0.005+/-0.007 χ^2/NDF:39.5/44

All: 0.003+/-0.006 χ^2/NDF: 78.3/84



Right In: 24.744+/-0.007 χ^2/NDF: 2665280.8/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 20.586+/-0.007 χ^2/NDF: 4230486.3/19

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

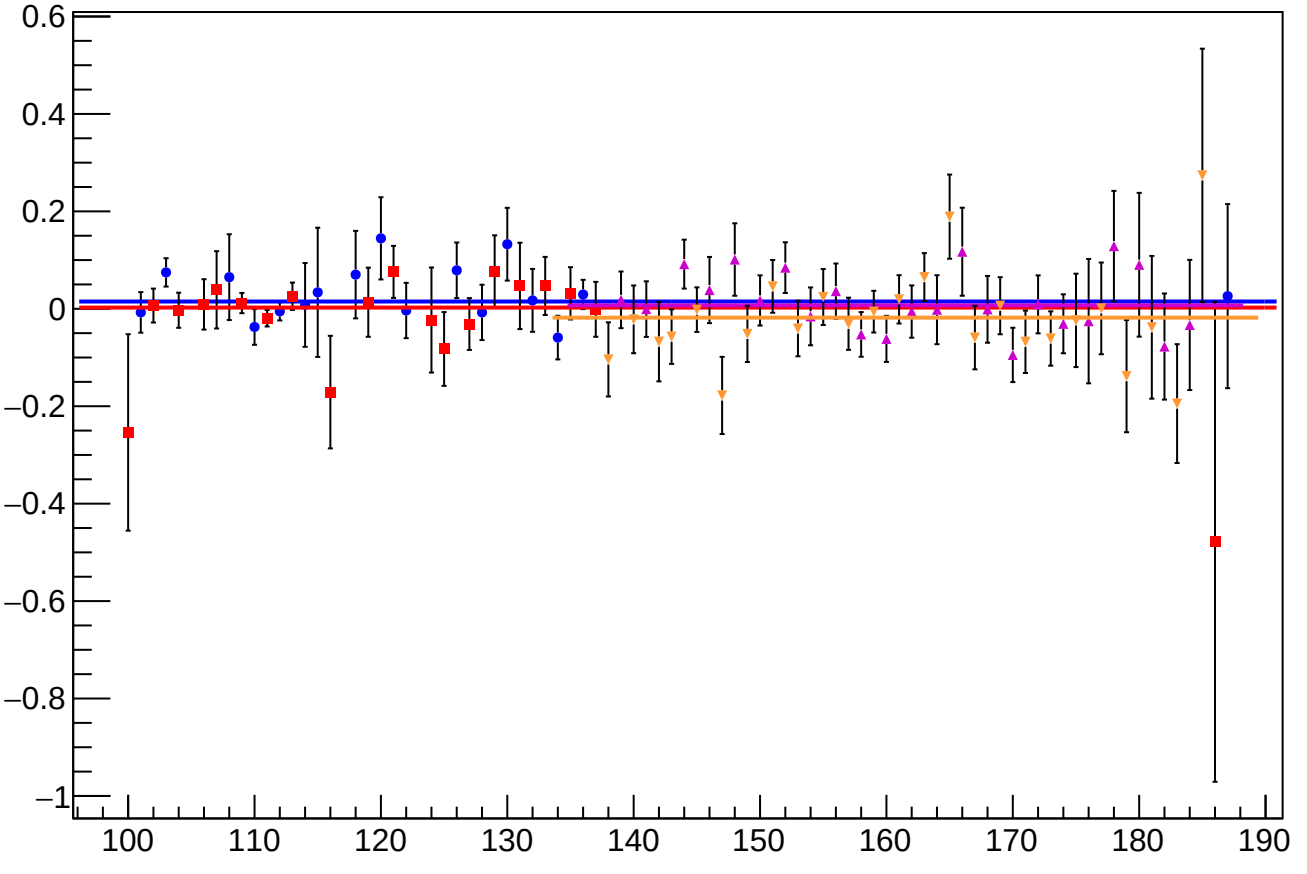
Right: 22.384+/-0.005 χ^2/NDF: 7071449.4/36

In: 36.167+/-0.006 χ^2/NDF:10678480.0/39

Out: 31.864+/-0.005 χ^2/NDF:15619602.0/44

All: 33.807+/-0.004 χ^2/NDF: 26596594.8/84

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 13.4/19

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

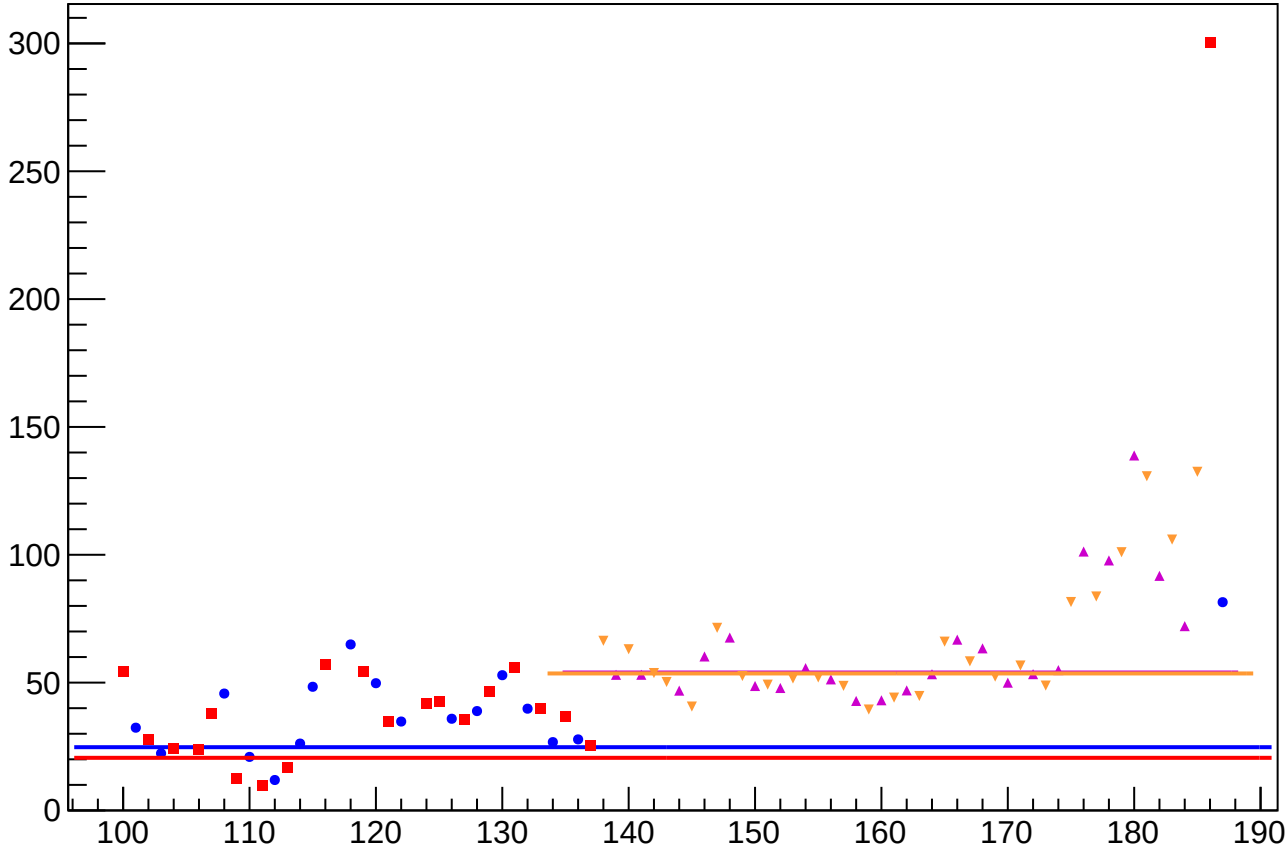
Right: 0.008+/-0.007 χ^2/NDF: 32.0/36

In: 0.012+/-0.008 χ^2/NDF:36.7/39

Out: -0.005+/-0.007 χ^2/NDF:39.5/44

All: 0.003+/-0.006 χ^2/NDF: 78.3/84

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.744+/-0.007 χ^2/NDF: 2665280.8/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 20.586+/-0.007 χ^2/NDF: 4230486.3/19

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

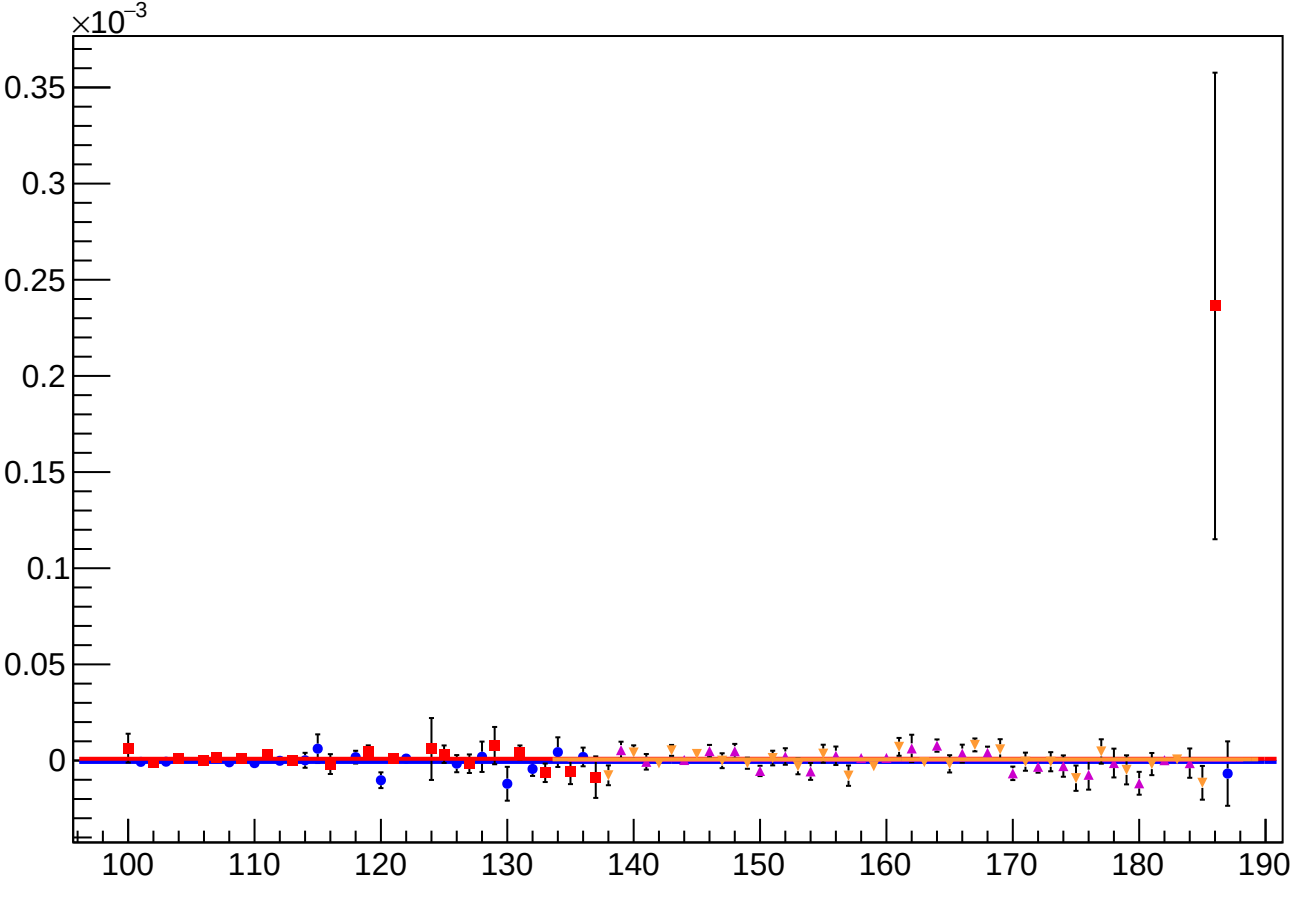
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 22.384+/-0.005 χ^2/NDF: 7071449.4/36

In: 36.167+/-0.006 χ^2/NDF:10678480.0/39

Out: 31.864+/-0.005 χ^2/NDF:15619602.0/44

All: 33.807+/-0.004 χ^2/NDF: 26596594.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/19

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

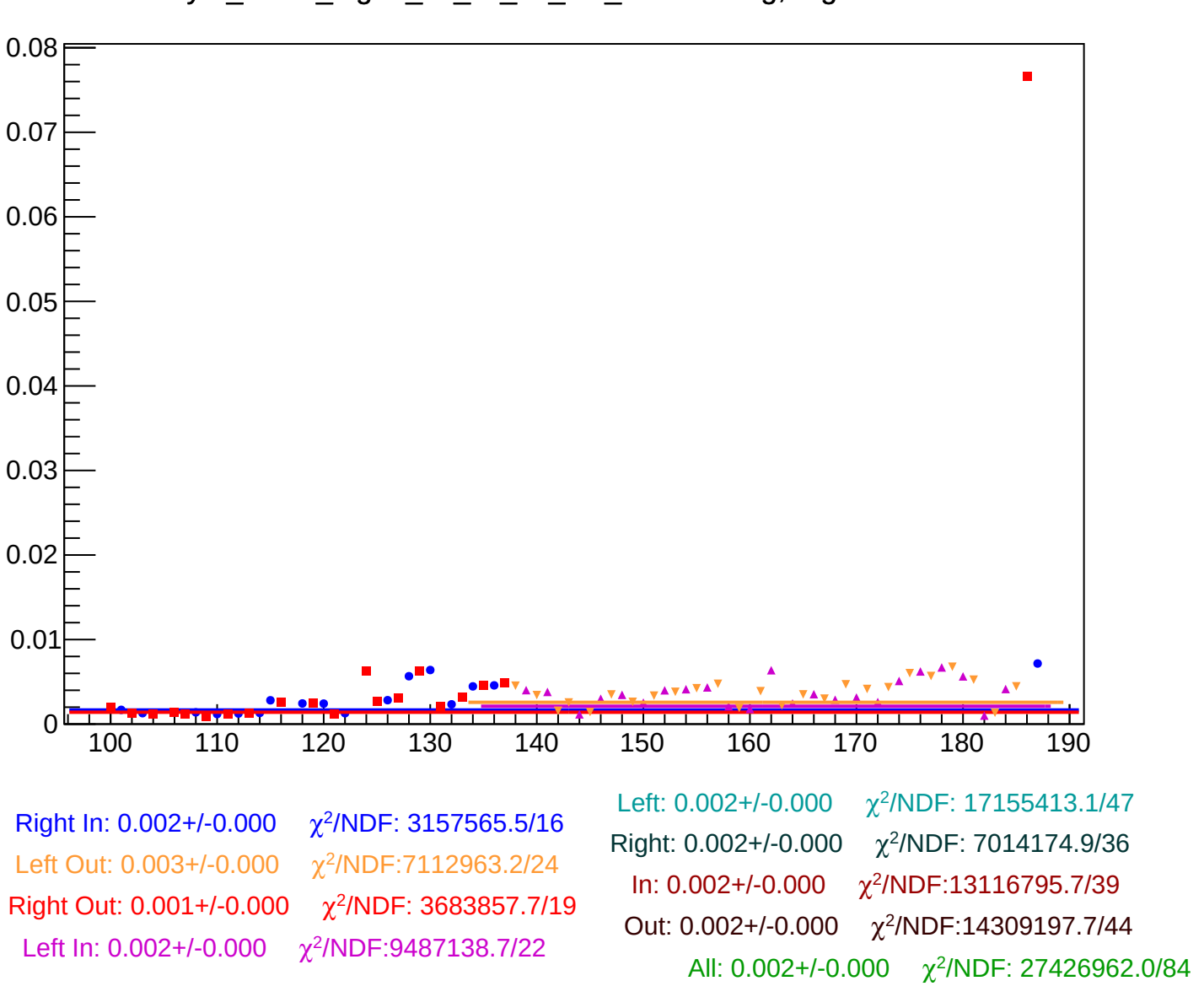
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

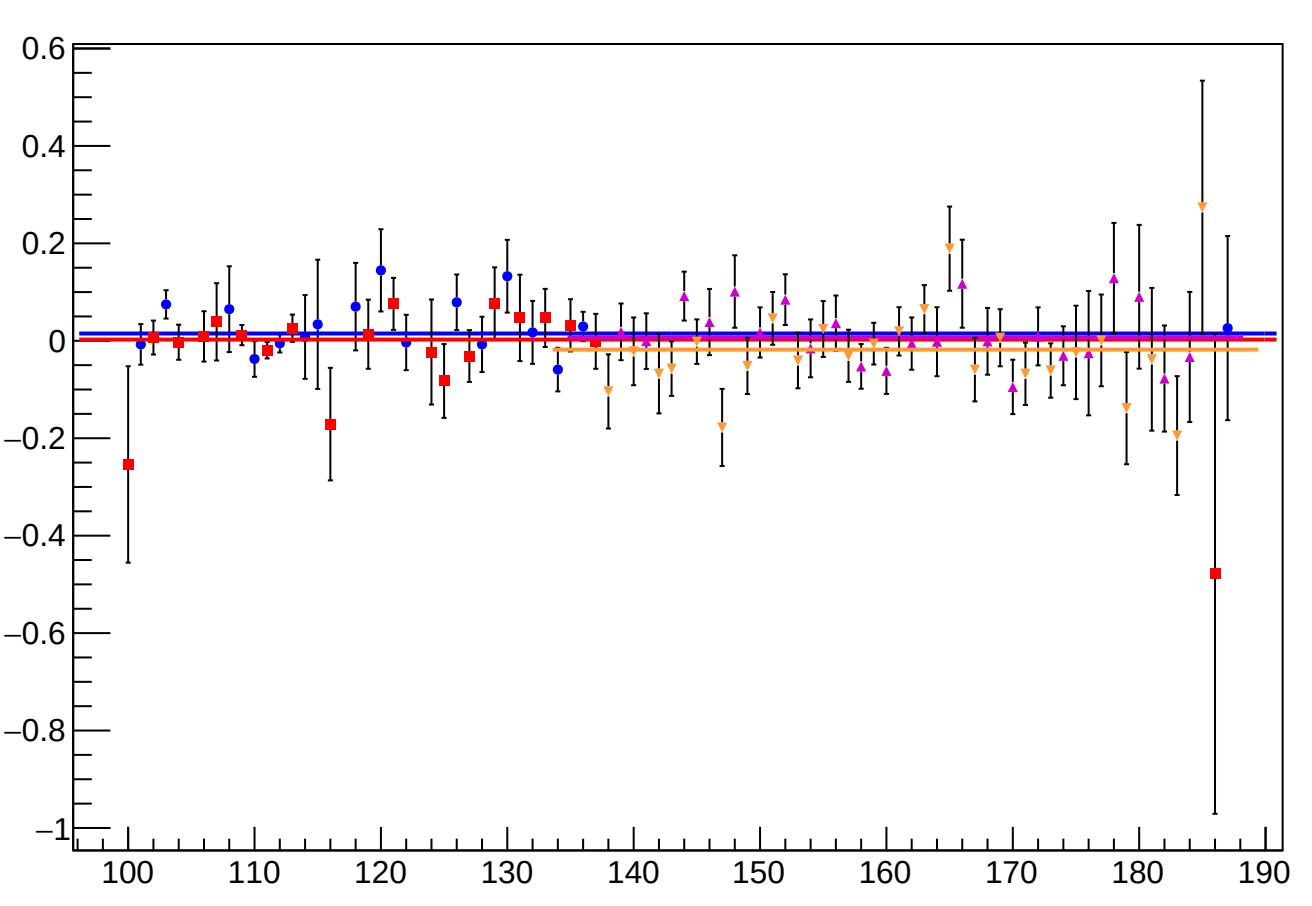
Right: 0.000+/-0.000 χ^2/NDF: 30.2/36

In: -0.000+/-0.000 χ^2/NDF:43.8/39

Out: 0.000+/-0.000 χ^2/NDF:46.7/44

All: 0.000+/-0.000 χ^2/NDF: 92.3/84


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 3157565.5/16
Left Out: 0.003+/-0.000 χ²/NDF:7112963.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 3683857.7/19
Left In: 0.002+/-0.000 χ²/NDF:9487138.7/22
Left: 0.002+/-0.000 χ²/NDF: 17155413.1/47
Right: 0.002+/-0.000 χ²/NDF: 7014174.9/36
In: 0.002+/-0.000 χ²/NDF:13116795.7/39
Out: 0.002+/-0.000 χ²/NDF:14309197.7/44
All: 0.002+/-0.000 χ²/NDF: 27426962.0/84



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 13.4/19

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

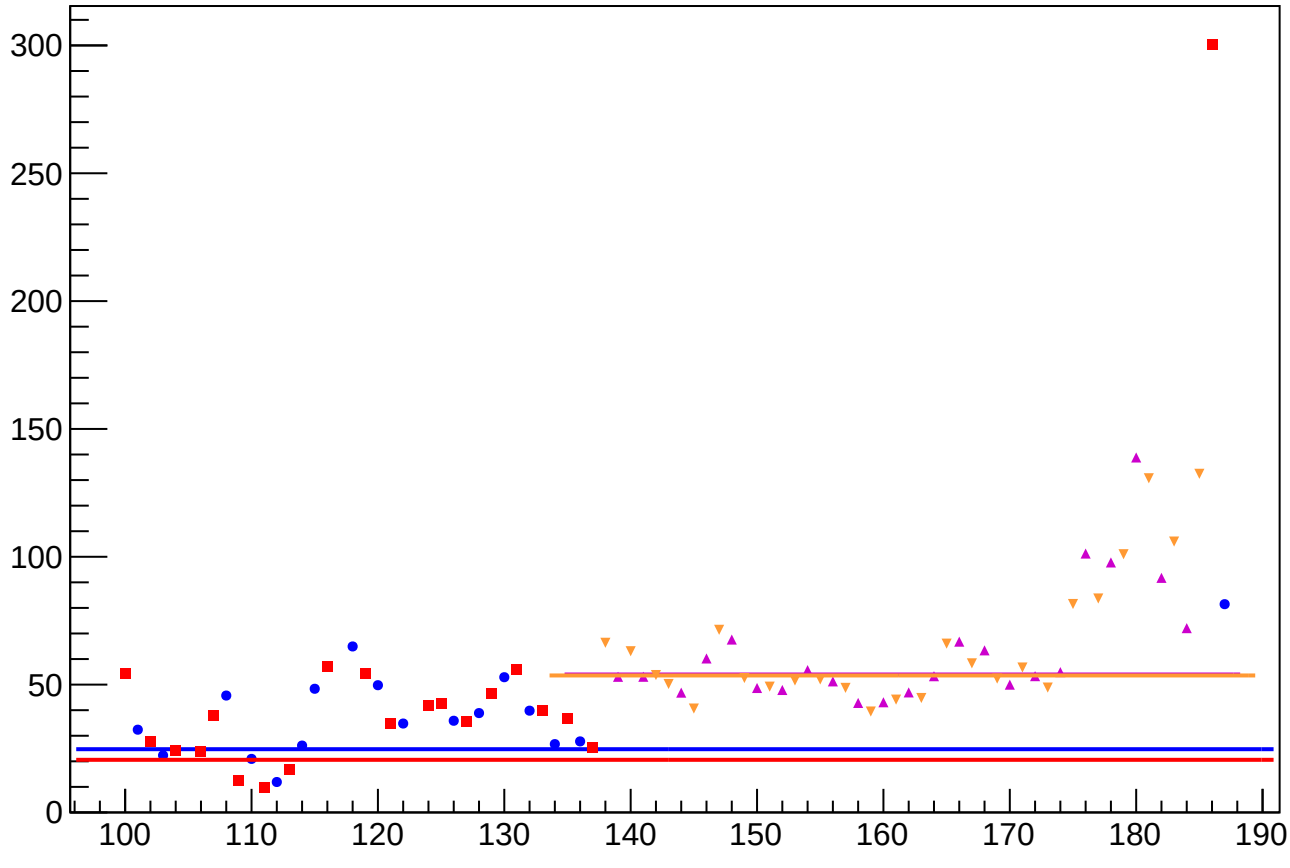
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.008+/-0.007 χ^2/NDF: 32.0/36

In: 0.012+/-0.008 χ^2/NDF:36.7/39

Out: -0.005+/-0.007 χ^2/NDF:39.5/44

All: 0.003+/-0.006 χ^2/NDF: 78.3/84



Right In: 24.744+/-0.007 χ^2/NDF: 2665195.2/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 20.585+/-0.007 χ^2/NDF: 4230445.3/19

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

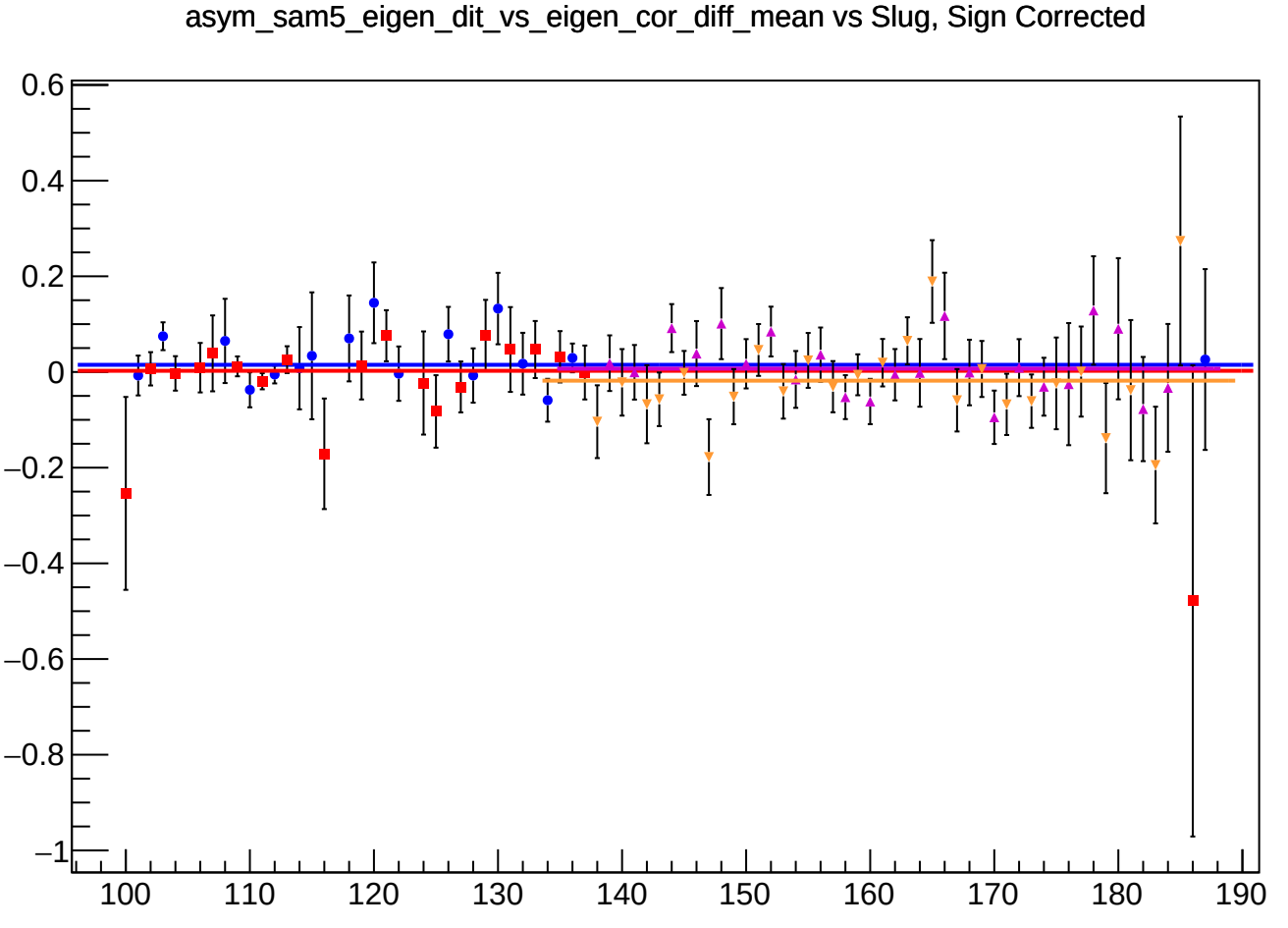
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 22.383+/-0.005 χ^2/NDF: 7071331.8/36

In: 36.167+/-0.006 χ^2/NDF:10678817.3/39

Out: 31.863+/-0.005 χ^2/NDF:15620094.5/44

All: 33.806+/-0.004 χ^2/NDF: 26597443.3/84



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 13.4/19

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

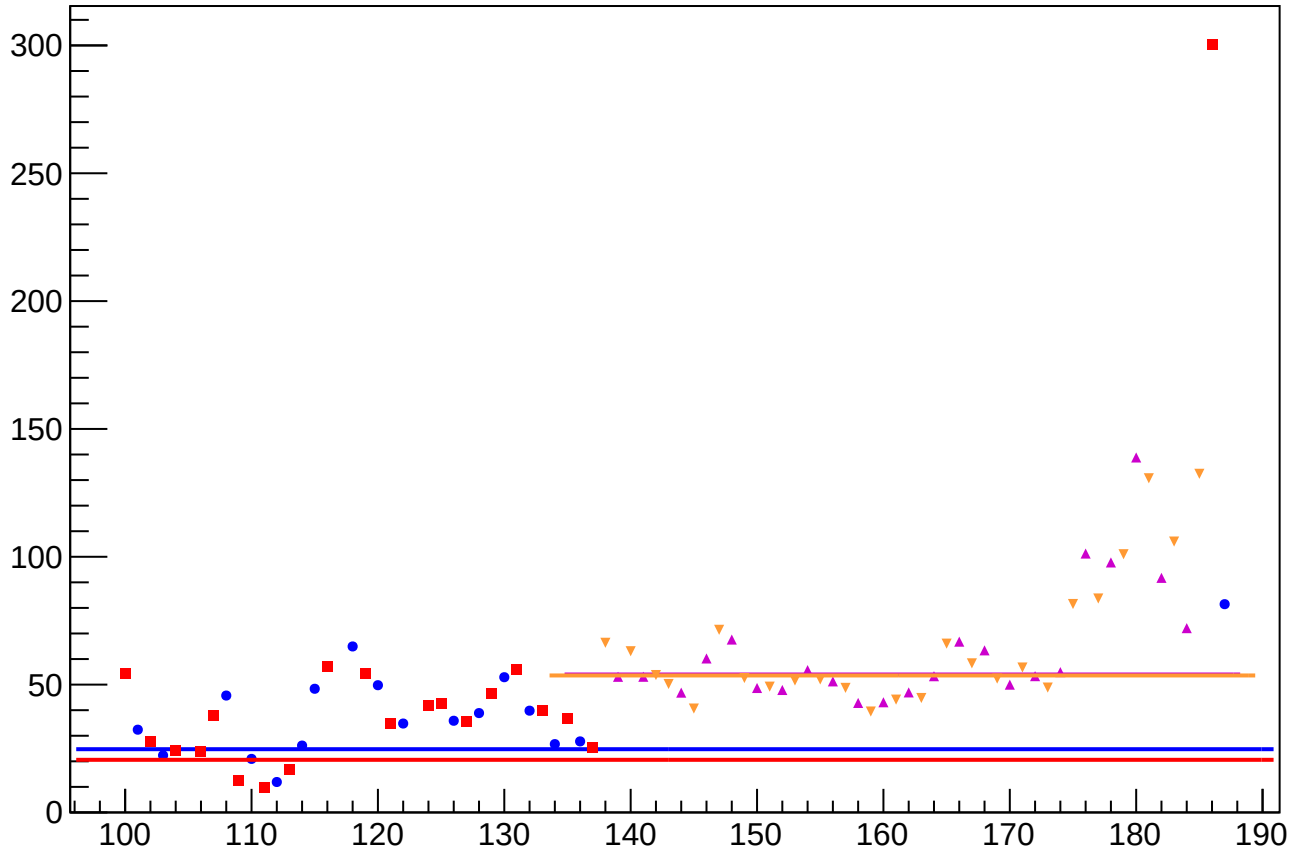
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.008+/-0.007 χ^2/NDF: 32.0/36

In: 0.012+/-0.008 χ^2/NDF:36.7/39

Out: -0.005+/-0.007 χ^2/NDF:39.5/44

All: 0.003+/-0.006 χ^2/NDF: 78.3/84



Right In: 24.744+/-0.007 χ^2/NDF: 2665195.2/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 20.585+/-0.007 χ^2/NDF: 4230445.3/19

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

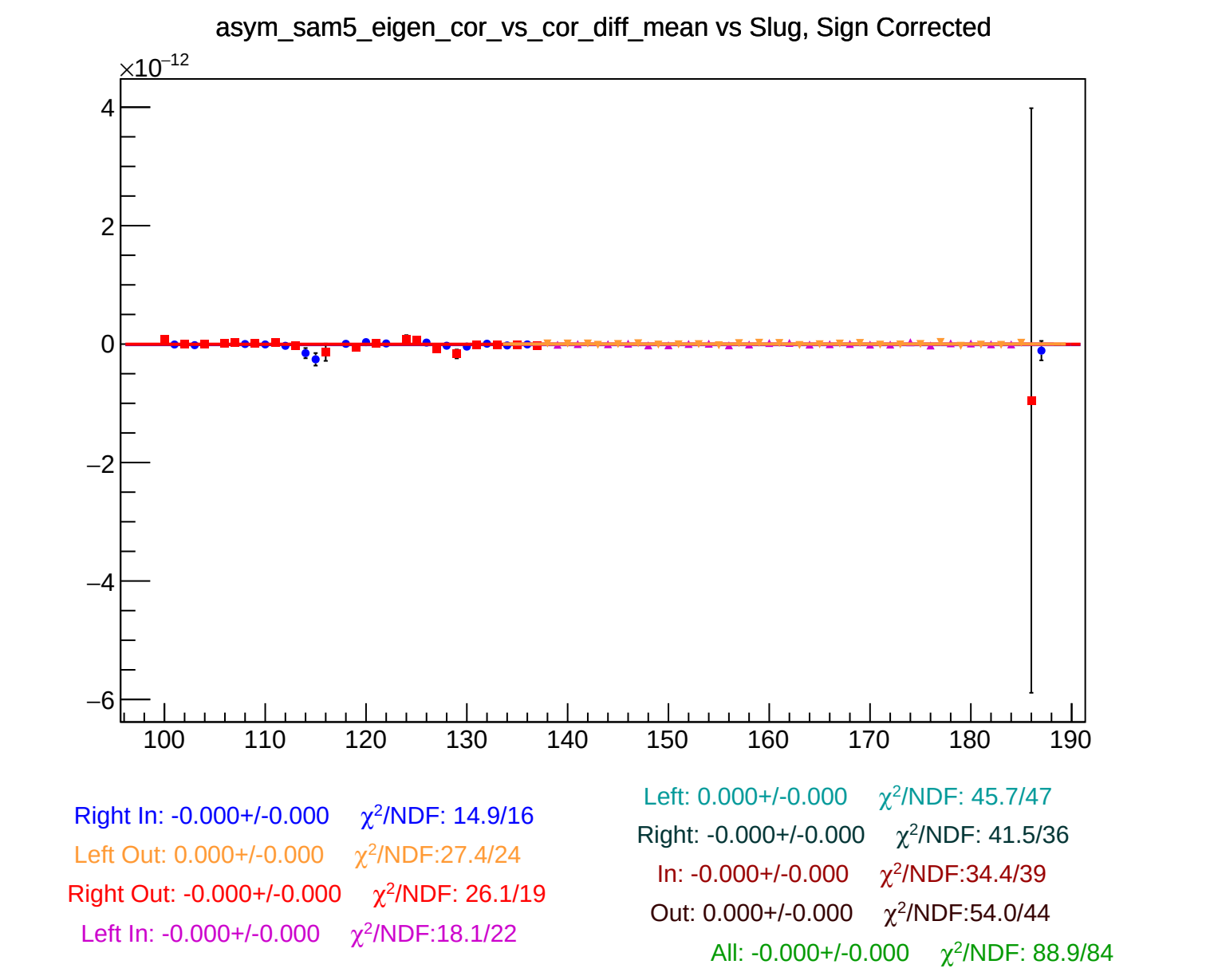
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

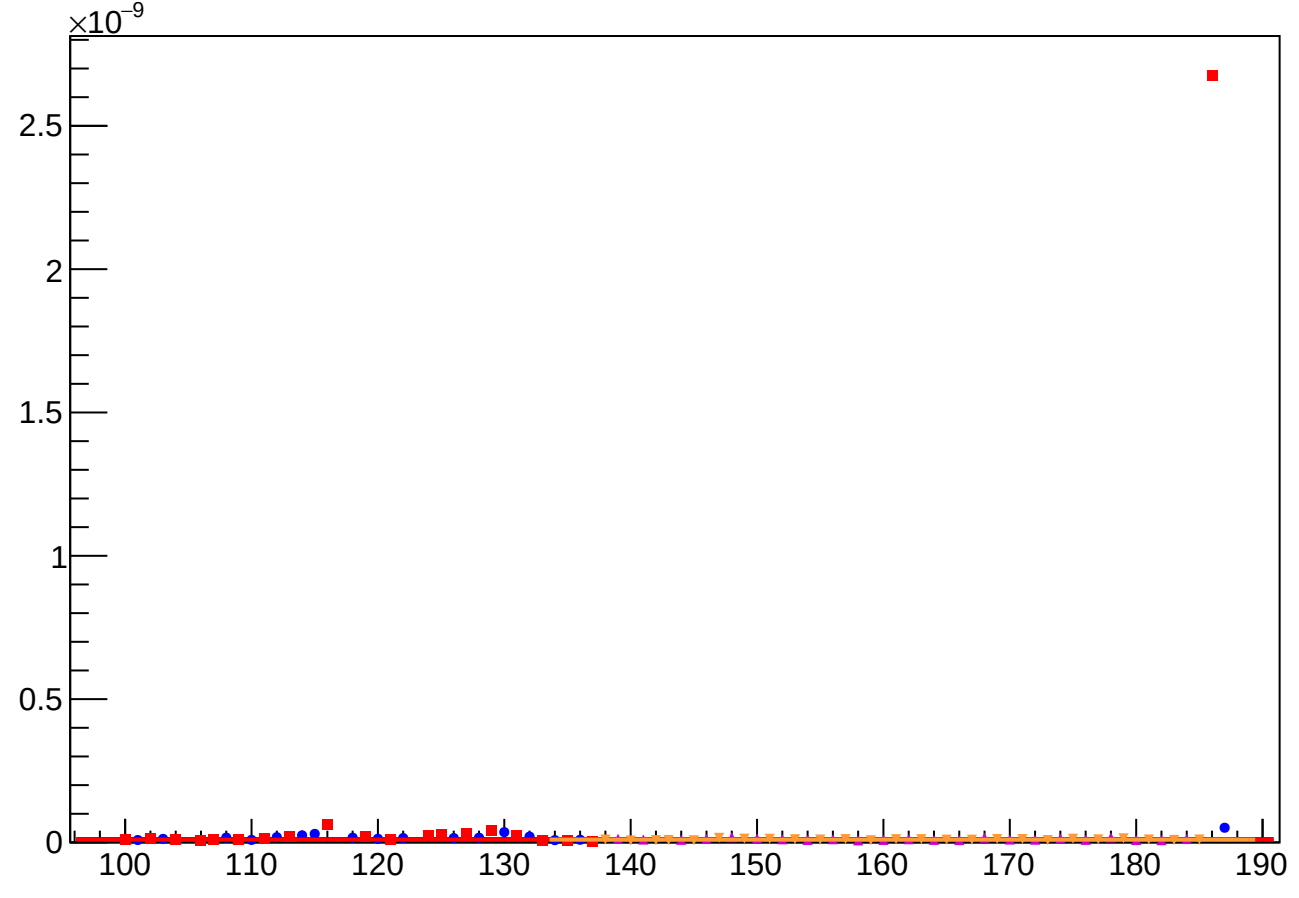
Right: 22.383+/-0.005 χ^2/NDF: 7071331.8/36

In: 36.167+/-0.006 χ^2/NDF:10678817.3/39

Out: 31.863+/-0.005 χ^2/NDF:15620094.5/44

All: 33.806+/-0.004 χ^2/NDF: 26597443.3/84


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.9/16
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.1/19
Left In: -0.000+/-0.000 χ²/NDF:18.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.7/47
Right: -0.000+/-0.000 χ²/NDF: 41.5/36
In: -0.000+/-0.000 χ²/NDF:34.4/39
Out: 0.000+/-0.000 χ²/NDF:54.0/44
All: -0.000+/-0.000 χ²/NDF: 88.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 1297303.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3219482.7/19

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

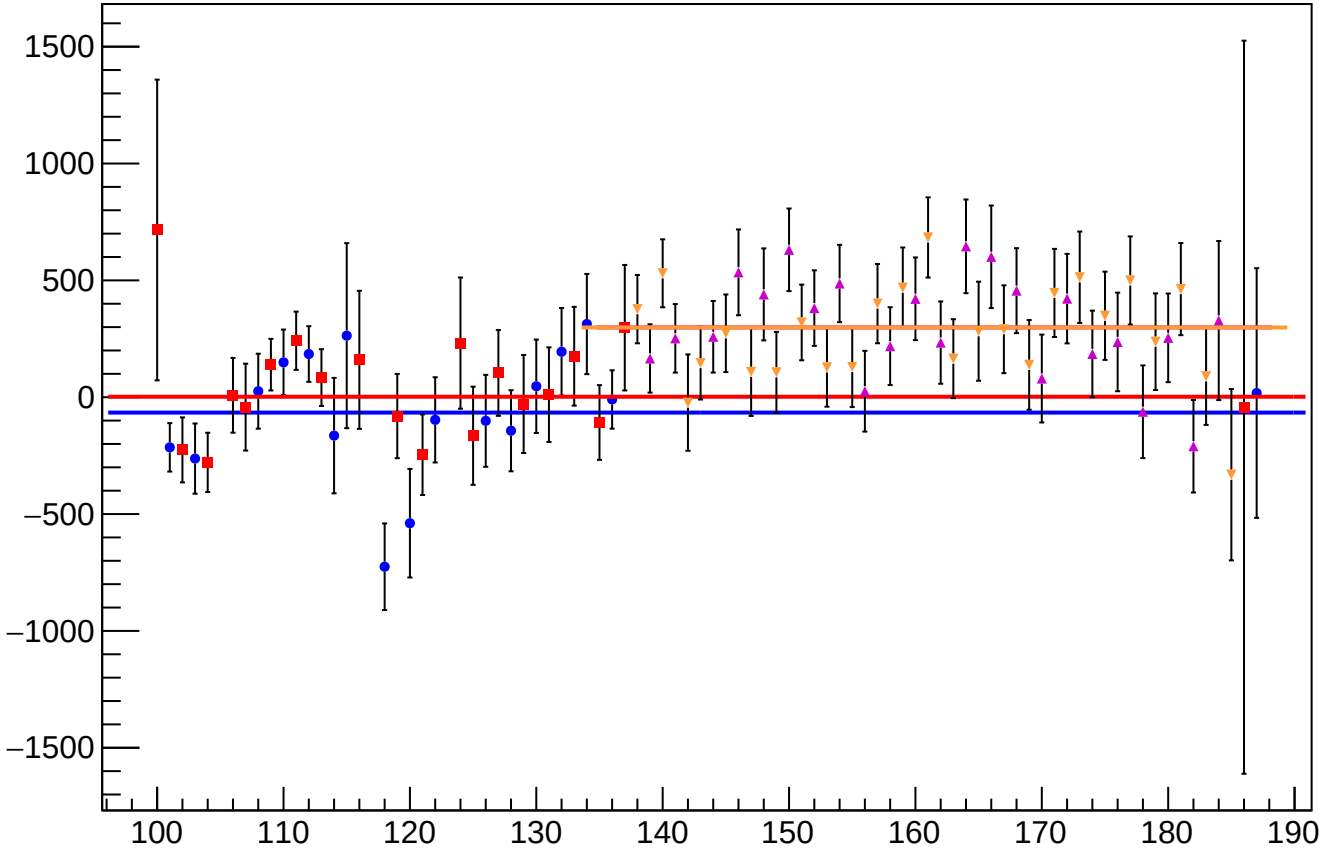
Right: 0.000+/-0.000 χ^2/NDF: 4612177.0/36

In: 0.000+/-0.000 χ^2/NDF:2701249.0/39

Out: 0.000+/-0.000 χ^2/NDF:4415620.4/44

All: 0.000+/-0.000 χ^2/NDF: 7176853.4/84

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.739+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 1.990+/-38.854 χ^2/NDF: 21.1/19

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

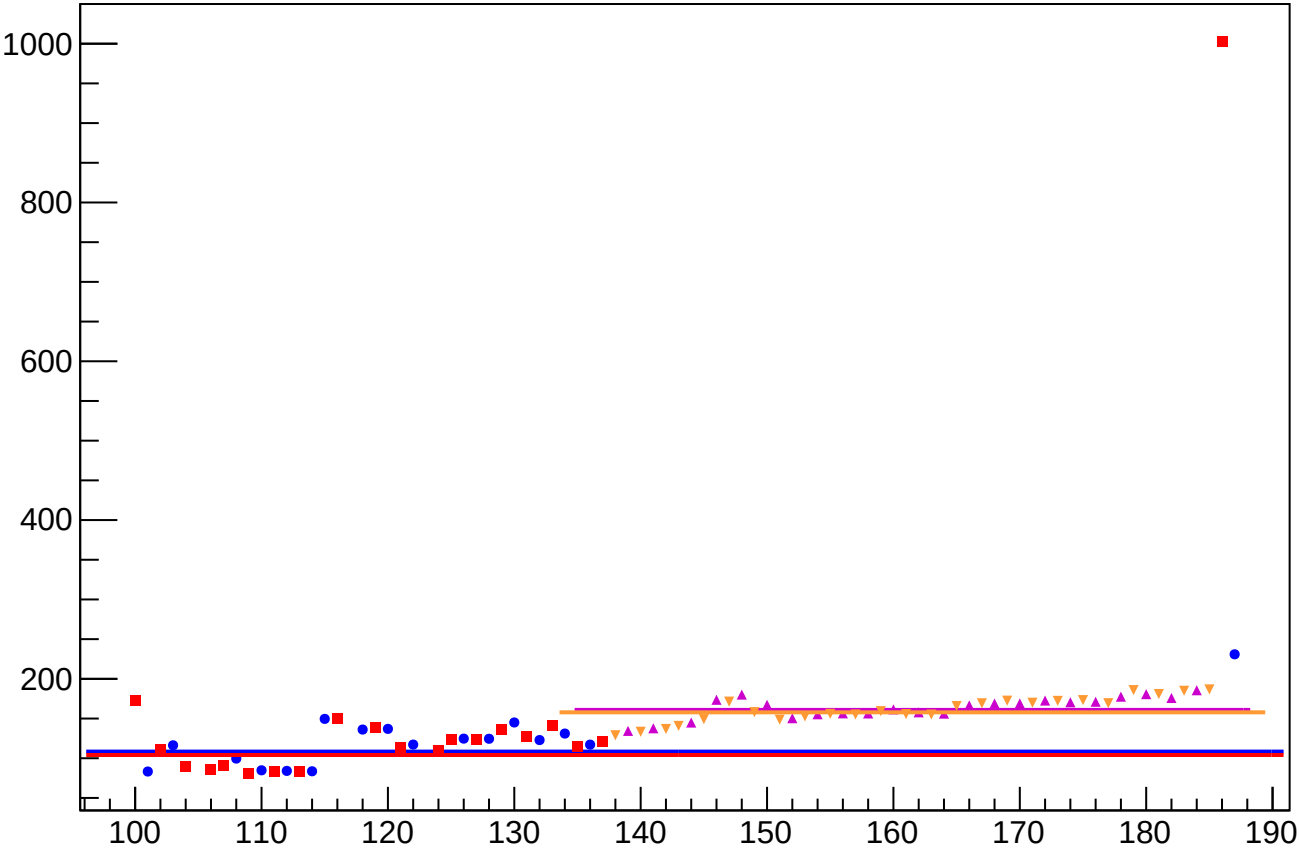
Right: -30.207+/-28.143 χ^2/NDF: 57.0/36

In: 130.785+/-27.705 χ^2/NDF:106.8/39

Out: 161.337+/-26.427 χ^2/NDF:78.4/44

All: 146.782+/-19.123 χ^2/NDF: 185.9/84

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 108.364+/-0.029 χ^2/NDF: 638654.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 104.101+/-0.027 χ^2/NDF: 1274155.8/19

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

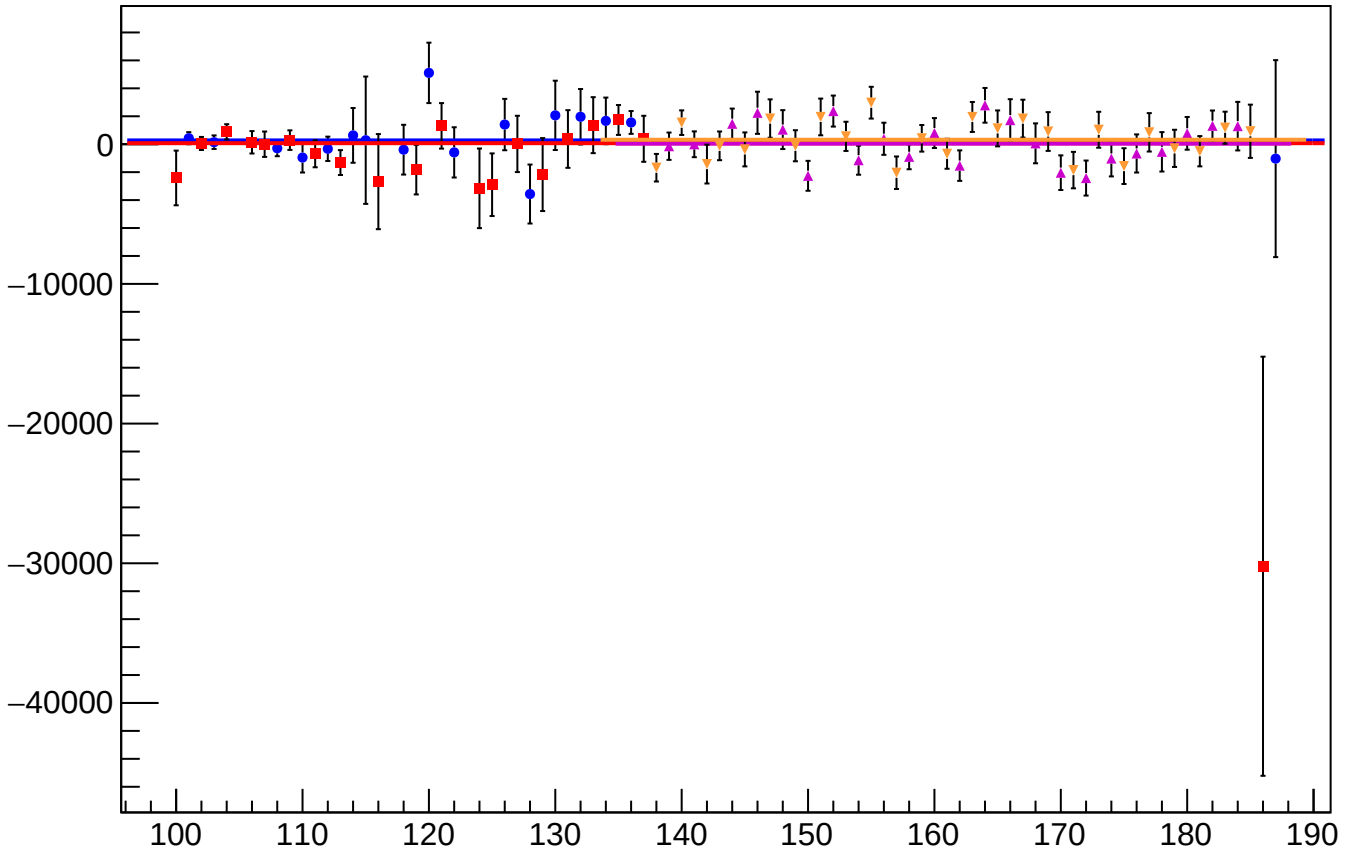
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 106.128+/-0.020 χ^2/NDF: 1924251.0/36

In: 136.682+/-0.020 χ^2/NDF:2692055.2/39

Out: 132.977+/-0.019 χ^2/NDF:3706971.0/44

All: 134.742+/-0.014 χ^2/NDF: 6417749.0/84



Right In: 270.111+/-230.539 χ^2/NDF: 16.5/16

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 72.842+/-232.127 χ^2/NDF: 20.1/19

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

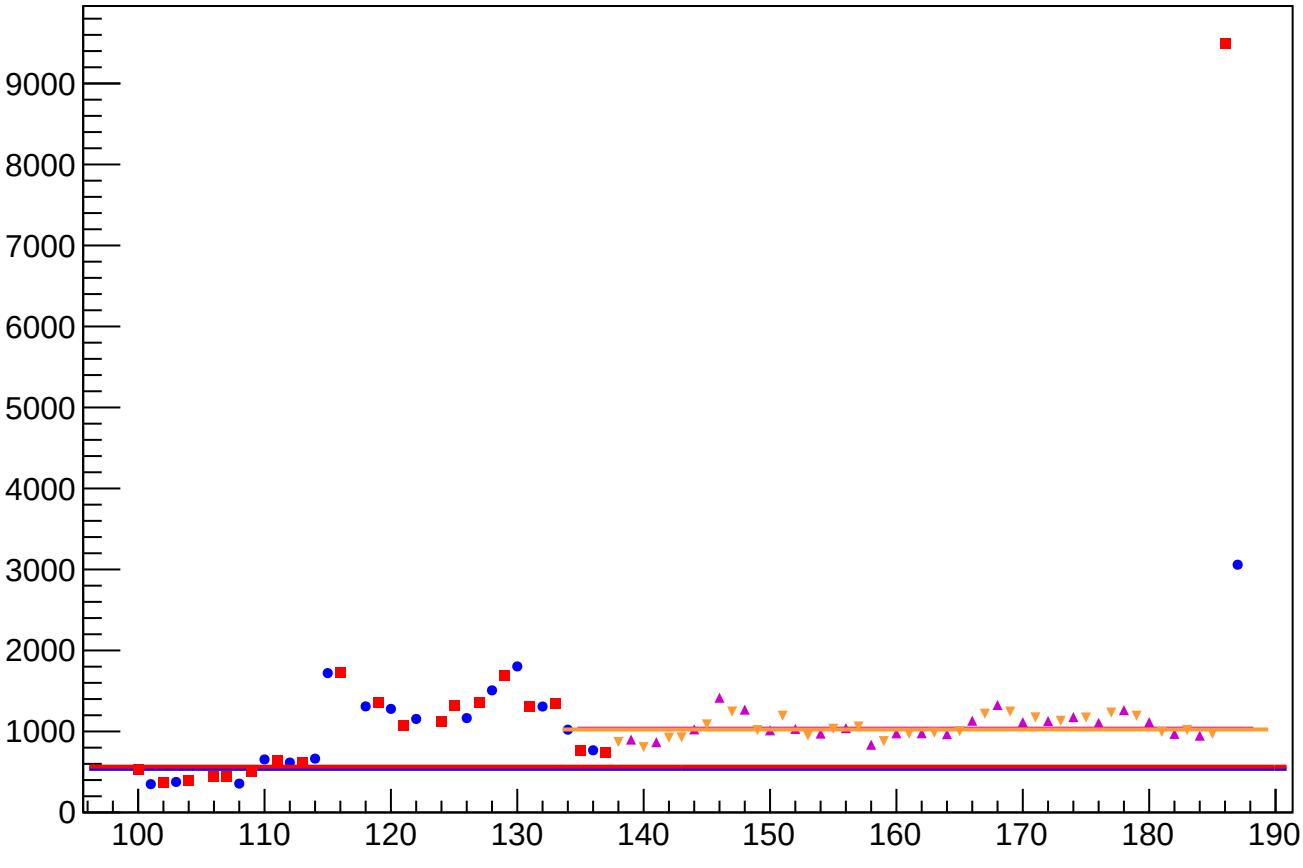
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 172.153+/-163.574 χ^2/NDF: 37.0/36

In: 161.272+/-167.623 χ^2/NDF:51.8/39

Out: 194.831+/-165.174 χ^2/NDF:53.2/44

All: 178.298+/-117.652 χ^2/NDF: 105.0/84



Right In: 538.381+/-0.163 χ^2/NDF: 3888245.7/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 564.982+/-0.164 χ^2/NDF: 3818778.3/19

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

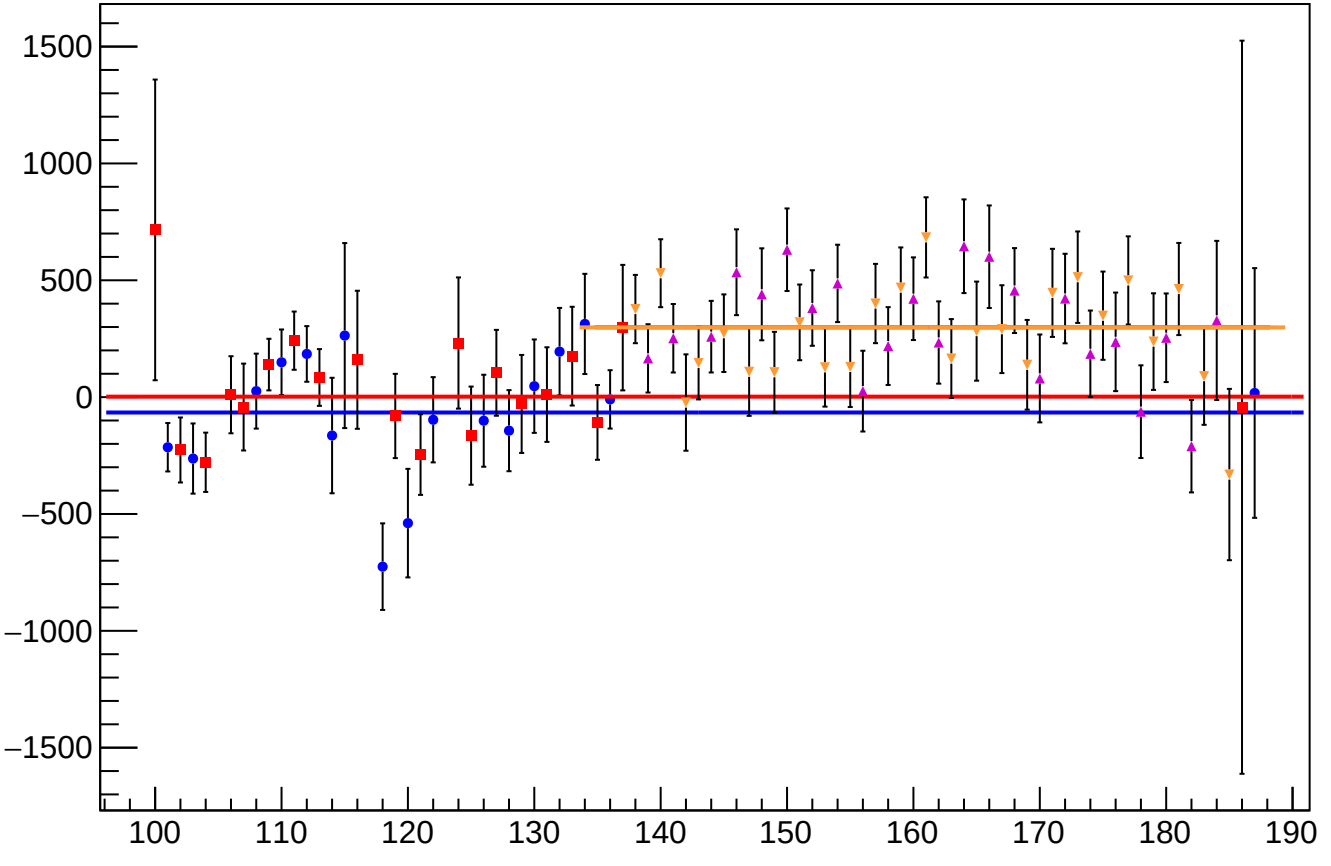
Right: 551.590+/-0.116 χ^2/NDF: 7720246.3/36

In: 772.186+/-0.119 χ^2/NDF:8881058.5/39

Out: 791.829+/-0.117 χ^2/NDF:8285509.3/44

All: 782.152+/-0.083 χ^2/NDF: 17180501.5/84

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.765+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 2.034+/-38.925 χ^2/NDF: 21.1/19

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

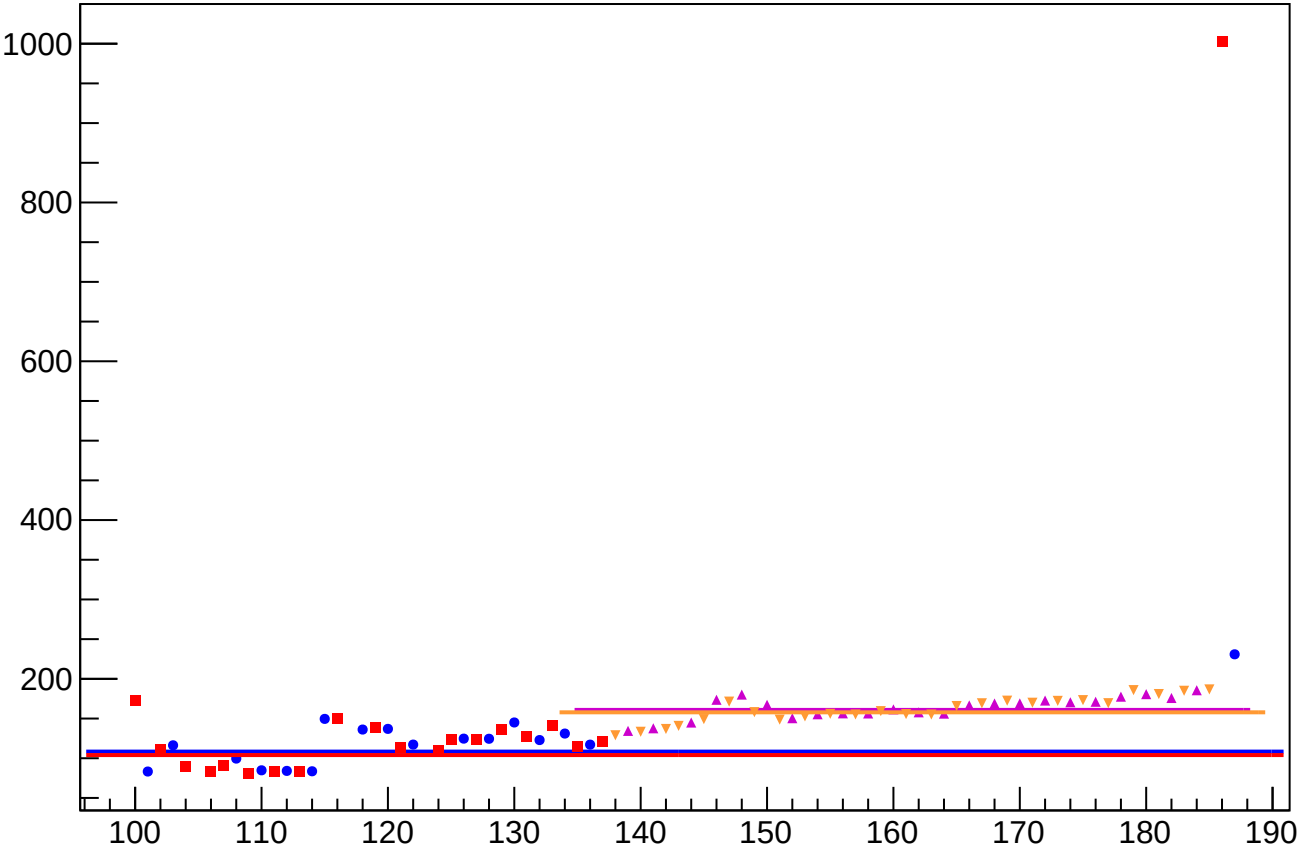
Right: -30.257+/-28.169 χ^2/NDF: 57.0/36

In: 130.777+/-27.705 χ^2/NDF:106.9/39

Out: 161.624+/-26.449 χ^2/NDF:78.3/44

All: 146.916+/-19.131 χ^2/NDF: 185.8/84

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 108.364+/-0.029 χ^2/NDF: 638655.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 103.991+/-0.028 χ^2/NDF: 1281723.3/19

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

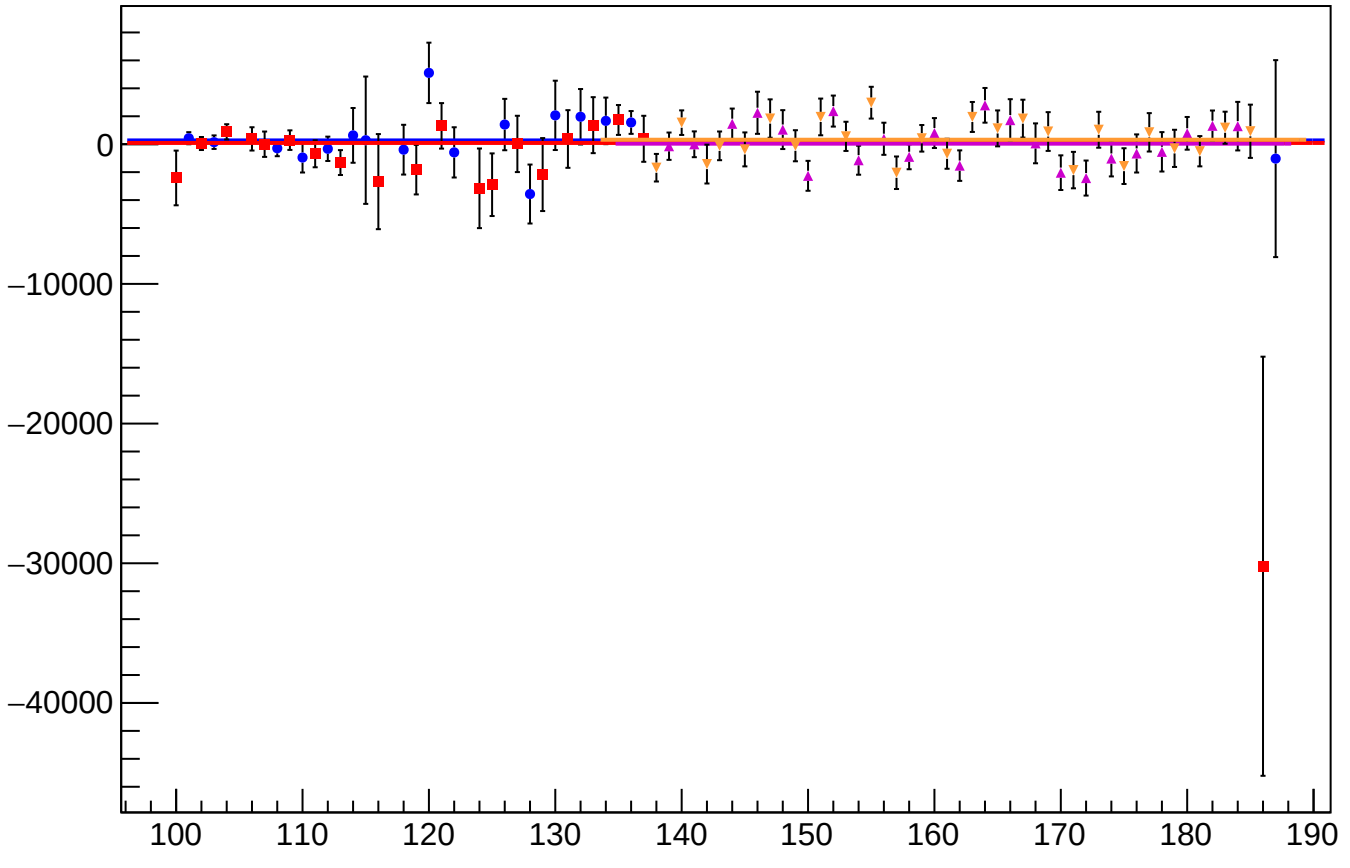
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 106.074+/-0.020 χ^2/NDF: 1932397.1/36

In: 136.682+/-0.020 χ^2/NDF:2692052.1/39

Out: 132.975+/-0.019 χ^2/NDF:3718965.6/44

All: 134.742+/-0.014 χ^2/NDF: 6429752.7/84



Right In: 270.251+/-230.532 χ^2/NDF: 16.5/16

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 90.551+/-232.753 χ^2/NDF: 20.2/19

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

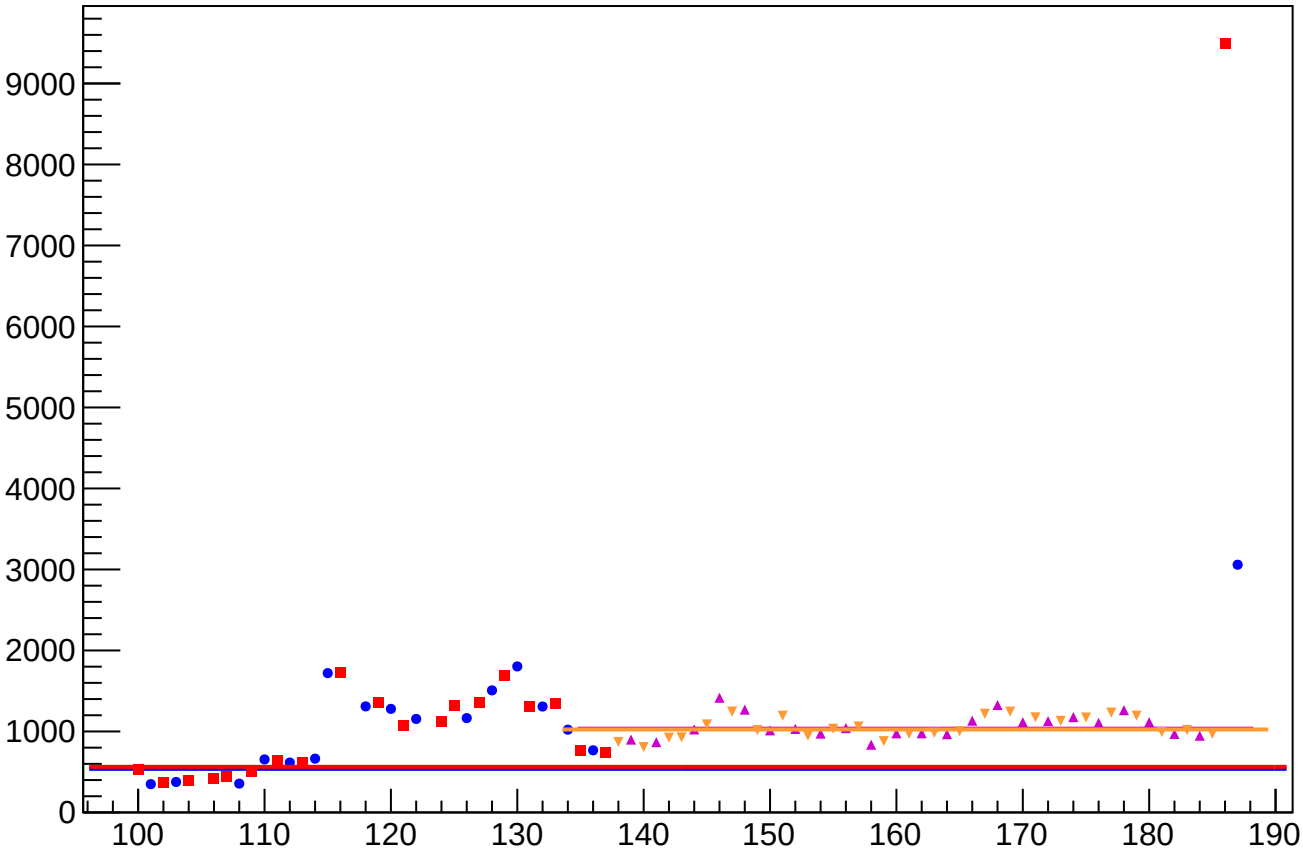
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 181.262+/-163.790 χ^2/NDF: 37.0/36

In: 161.350+/-167.620 χ^2/NDF:51.8/39

Out: 204.109+/-165.399 χ^2/NDF:53.2/44

All: 183.015+/-117.732 χ^2/NDF: 105.0/84



Right In: 538.359+/-0.163 χ^2/NDF: 3888450.6/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 563.418+/-0.165 χ^2/NDF: 3838756.5/19

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

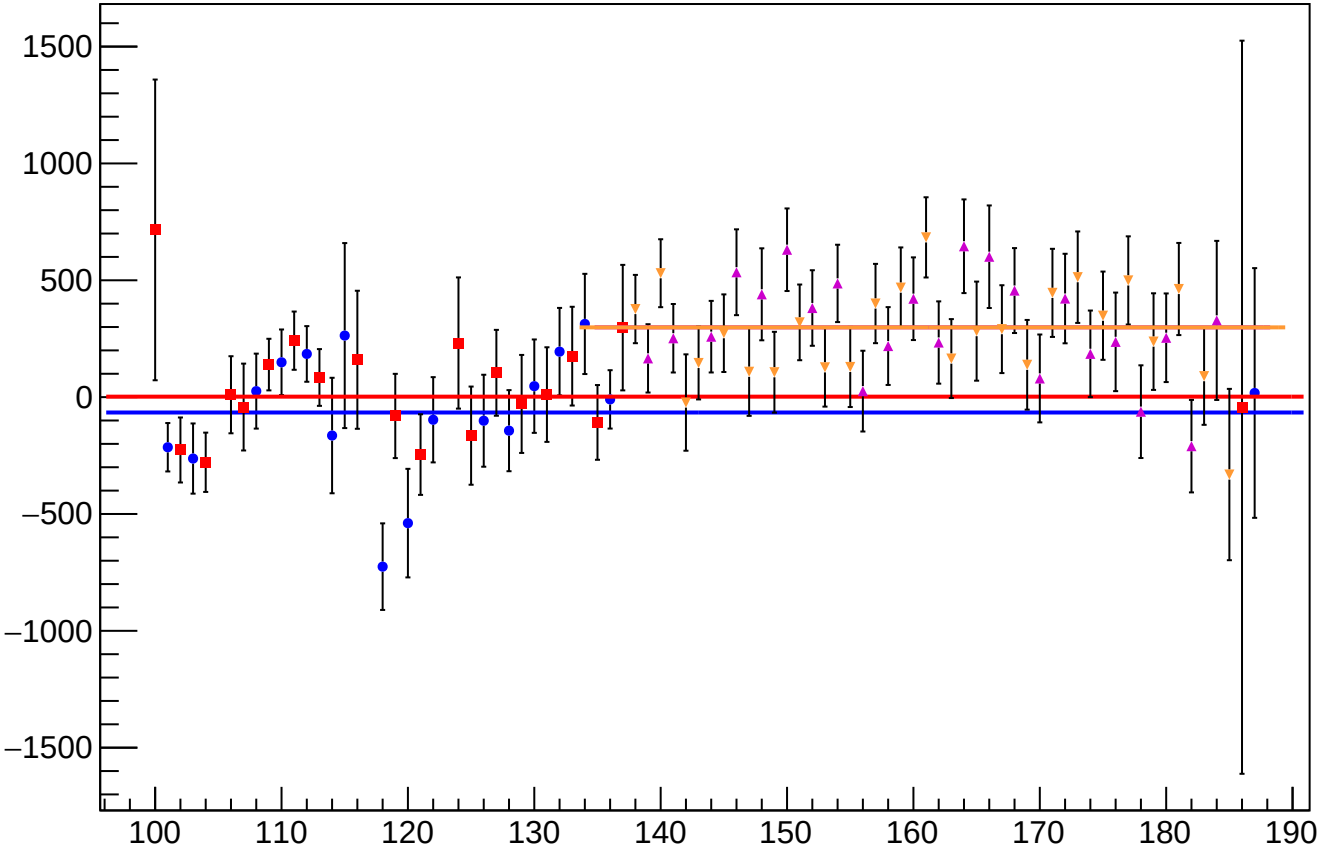
Right: 550.769+/-0.116 χ^2/NDF: 7738910.0/36

In: 772.167+/-0.119 χ^2/NDF:8881773.9/39

Out: 791.659+/-0.117 χ^2/NDF:8321494.2/44

All: 782.043+/-0.083 χ^2/NDF: 17216970.0/84

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.765+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 2.034+/-38.925 χ^2/NDF: 21.1/19

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

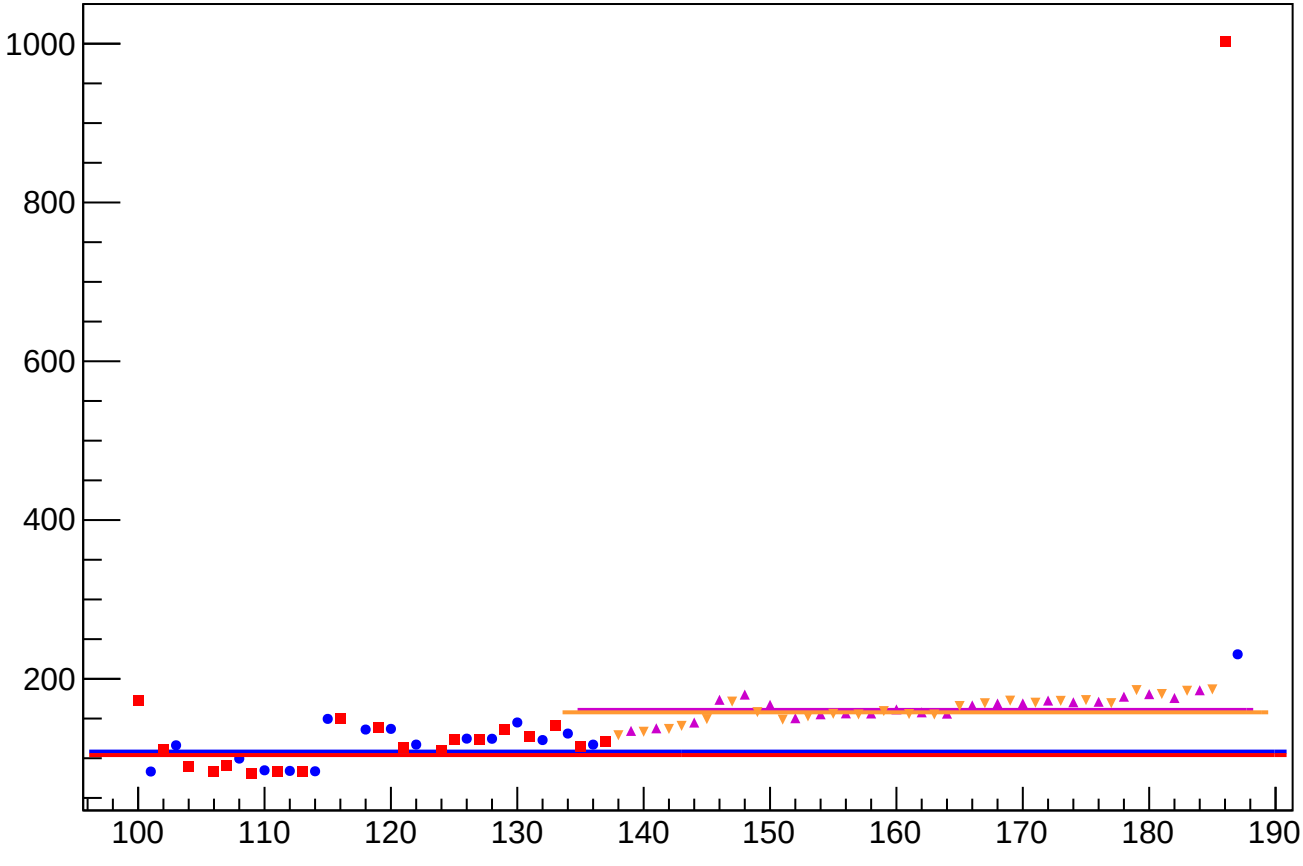
Right: -30.257+/-28.169 χ^2/NDF: 57.0/36

In: 130.777+/-27.705 χ^2/NDF:106.9/39

Out: 161.624+/-26.449 χ^2/NDF:78.3/44

All: 146.916+/-19.131 χ^2/NDF: 185.8/84

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 108.364+/-0.029 χ^2/NDF: 638655.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 103.991+/-0.028 χ^2/NDF: 1281723.3/19

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

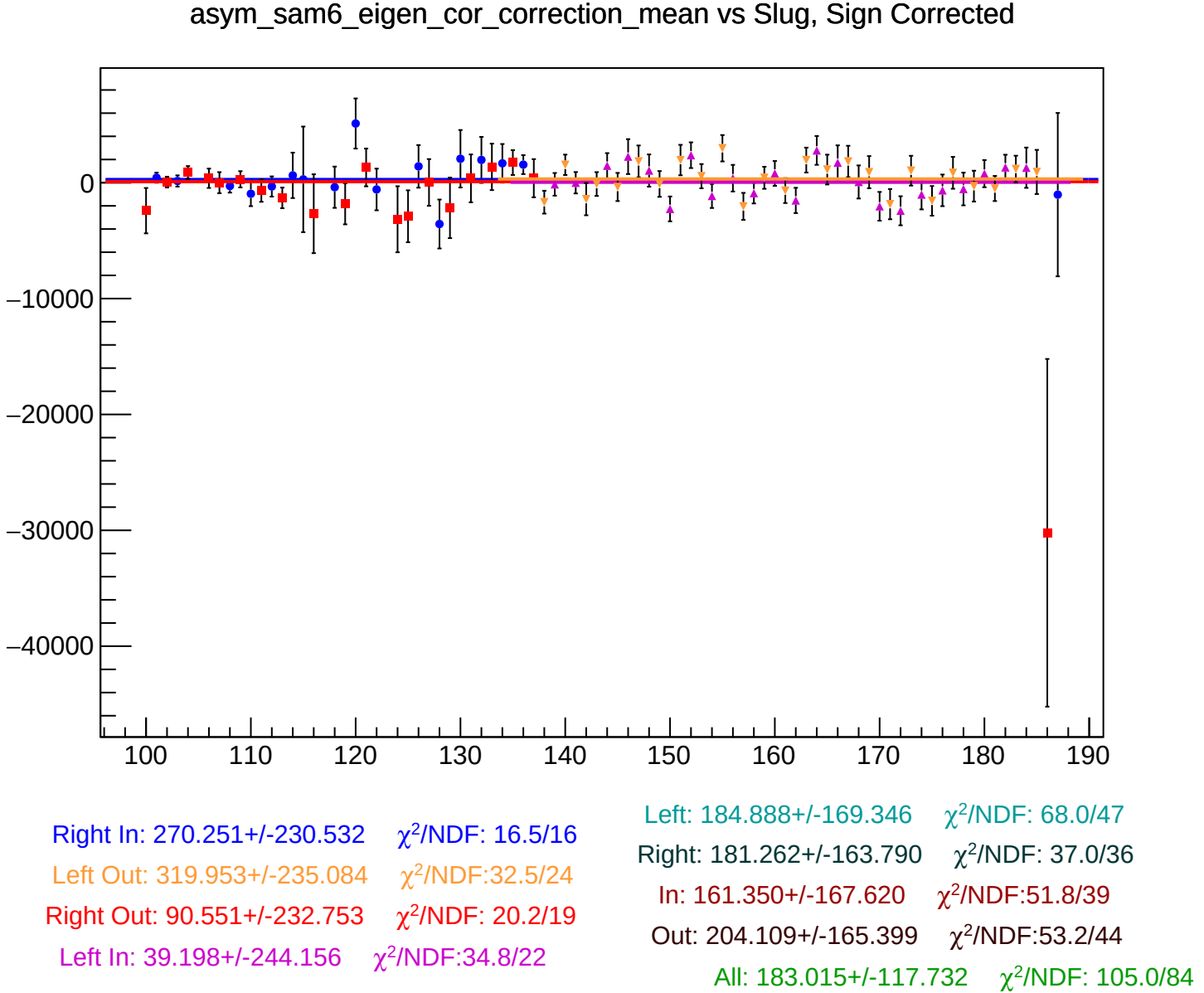
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 106.074+/-0.020 χ^2/NDF: 1932397.1/36

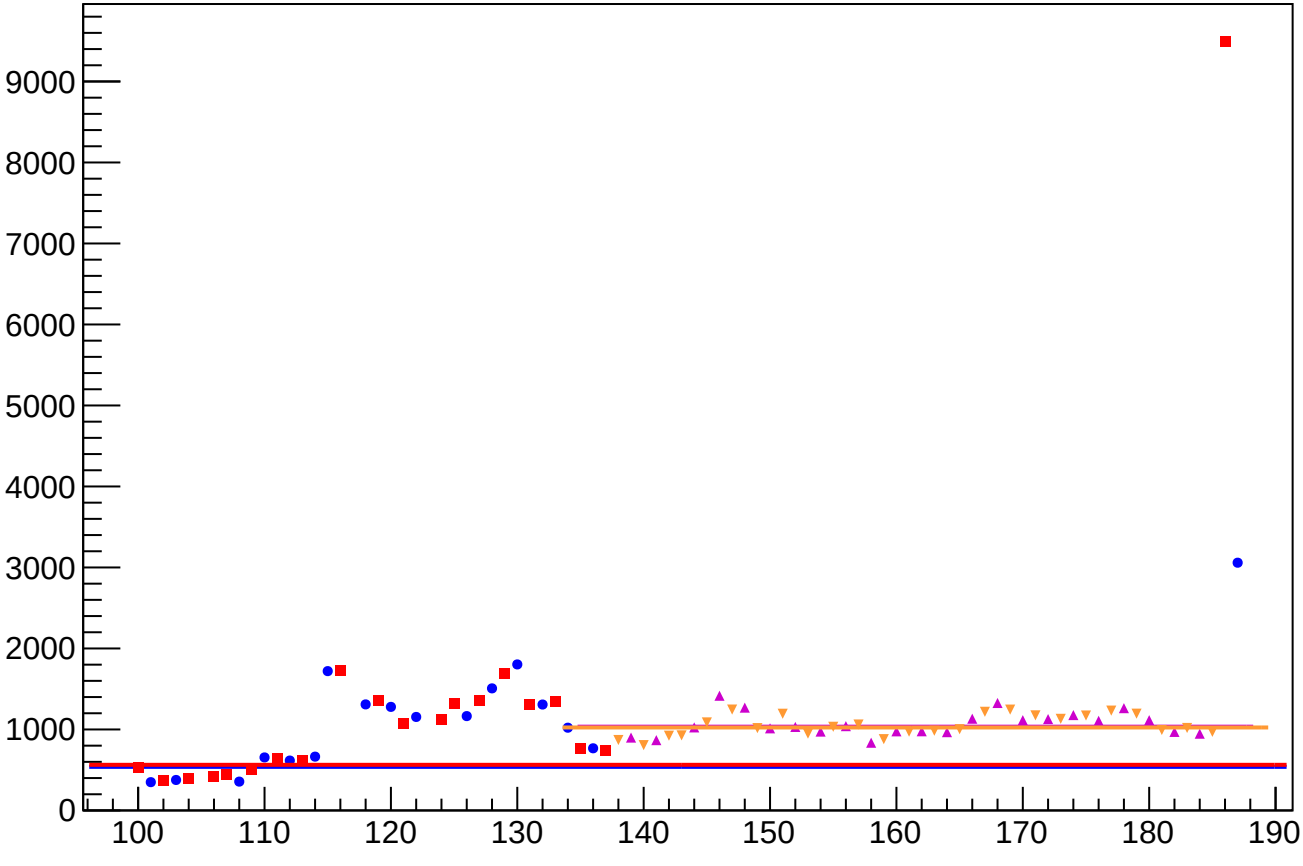
In: 136.682+/-0.020 χ^2/NDF:2692052.1/39

Out: 132.975+/-0.019 χ^2/NDF:3718965.6/44

All: 134.742+/-0.014 χ^2/NDF: 6429752.7/84


asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 270.251+/-230.532 χ²/NDF: 16.5/16
Left Out: 319.953+/-235.084 χ²/NDF:32.5/24
Right Out: 90.551+/-232.753 χ²/NDF: 20.2/19
Left In: 39.198+/-244.156 χ²/NDF:34.8/22
Left: 184.888+/-169.346 χ²/NDF: 68.0/47
Right: 181.262+/-163.790 χ²/NDF: 37.0/36
In: 161.350+/-167.620 χ²/NDF:51.8/39
Out: 204.109+/-165.399 χ²/NDF:53.2/44
All: 183.015+/-117.732 χ²/NDF: 105.0/84

asym_sam6_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.359+/-0.163 χ^2/NDF: 3888450.6/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 563.418+/-0.165 χ^2/NDF: 3838756.5/19

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

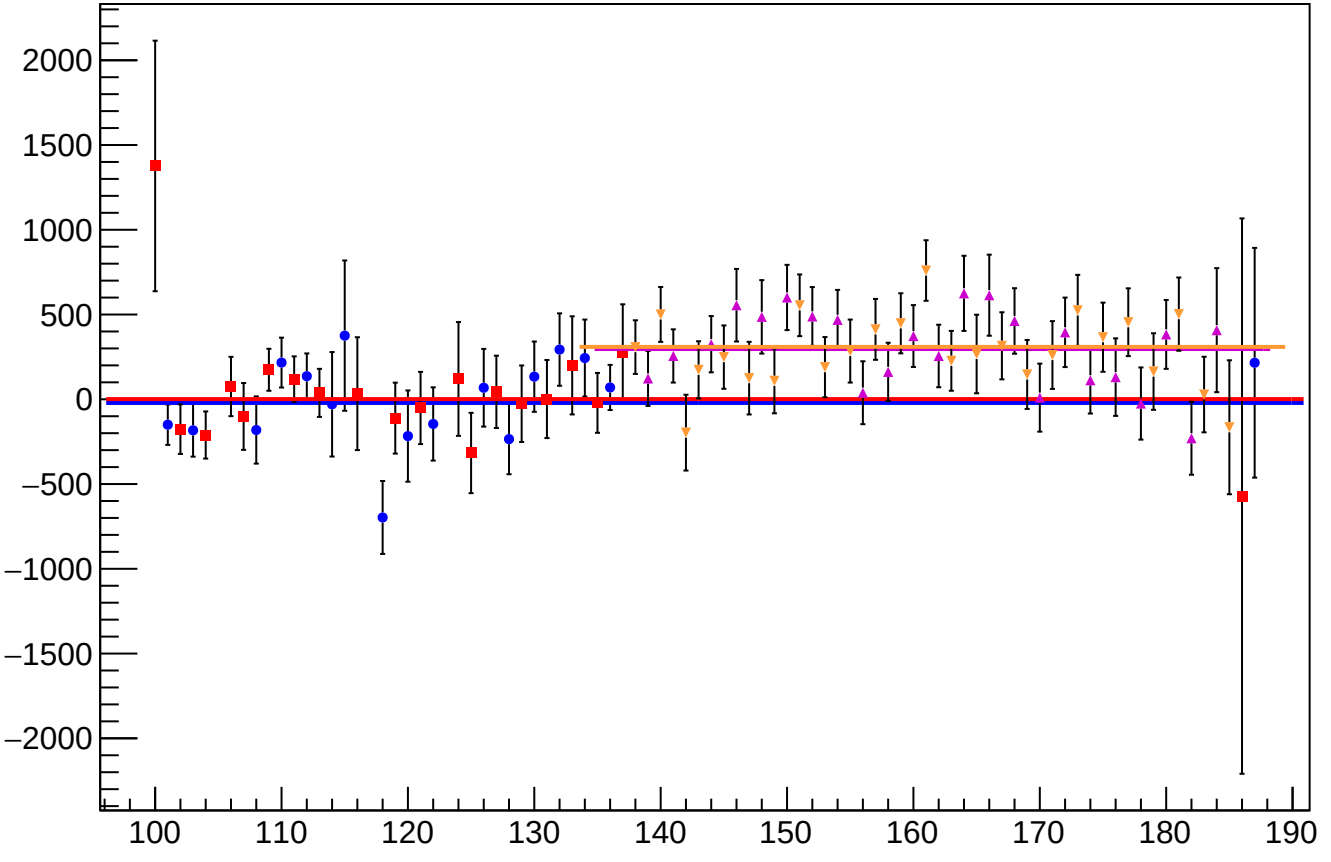
Right: 550.769+/-0.116 χ^2/NDF: 7738910.0/36

In: 772.167+/-0.119 χ^2/NDF:8881773.9/39

Out: 791.659+/-0.117 χ^2/NDF:8321494.2/44

All: 782.043+/-0.083 χ^2/NDF: 17216970.0/84

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -21.590+/-45.803 χ^2/NDF: 24.3/16

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 1.195+/-43.548 χ^2/NDF: 14.4/19

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

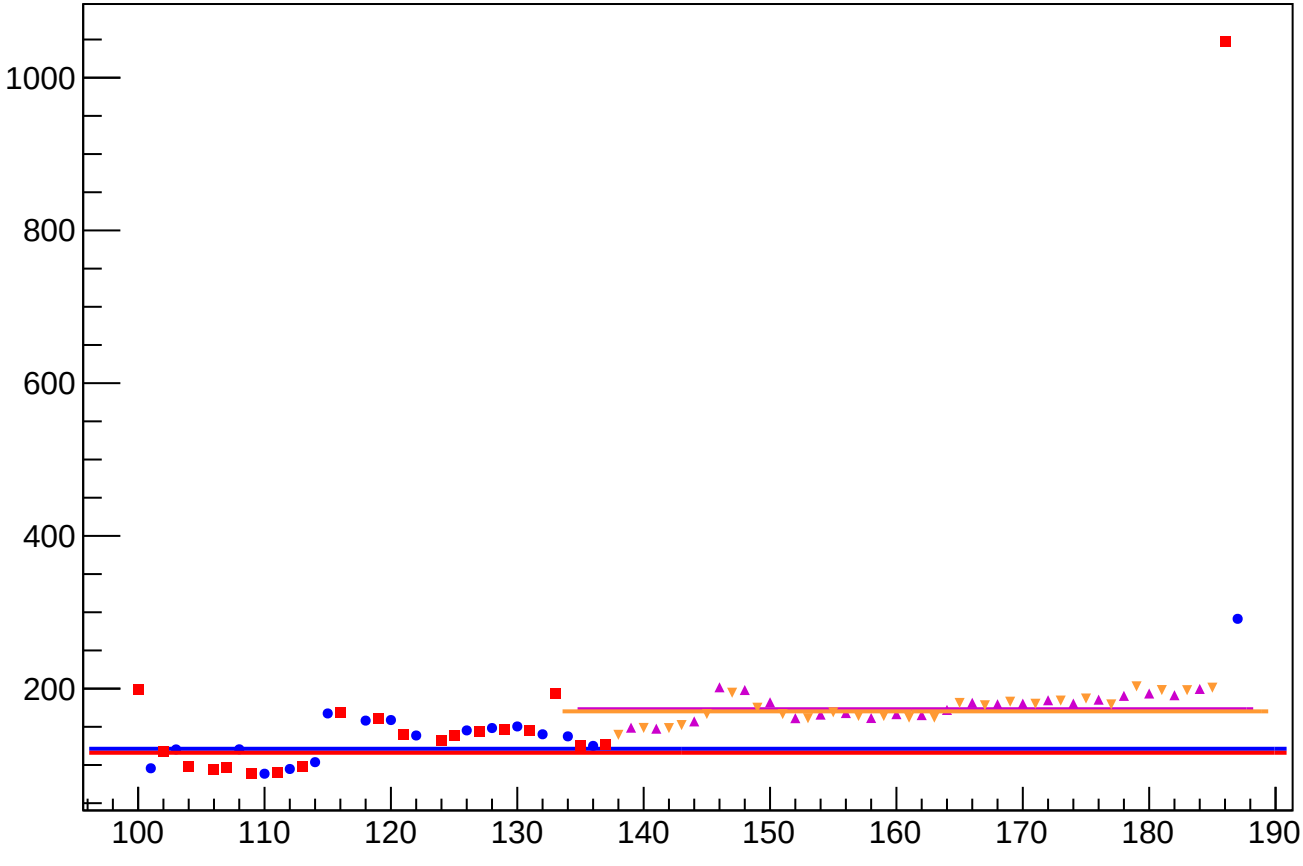
Right: -9.623+/-31.560 χ^2/NDF: 38.8/36

In: 156.514+/-30.385 χ^2/NDF:79.1/39

Out: 172.409+/-29.011 χ^2/NDF:67.8/44

All: 164.829+/-20.983 χ^2/NDF: 147.0/84

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.240+/-0.032 χ^2/NDF: 657063.5/16

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 116.016+/-0.031 χ^2/NDF: 1414072.8/19

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

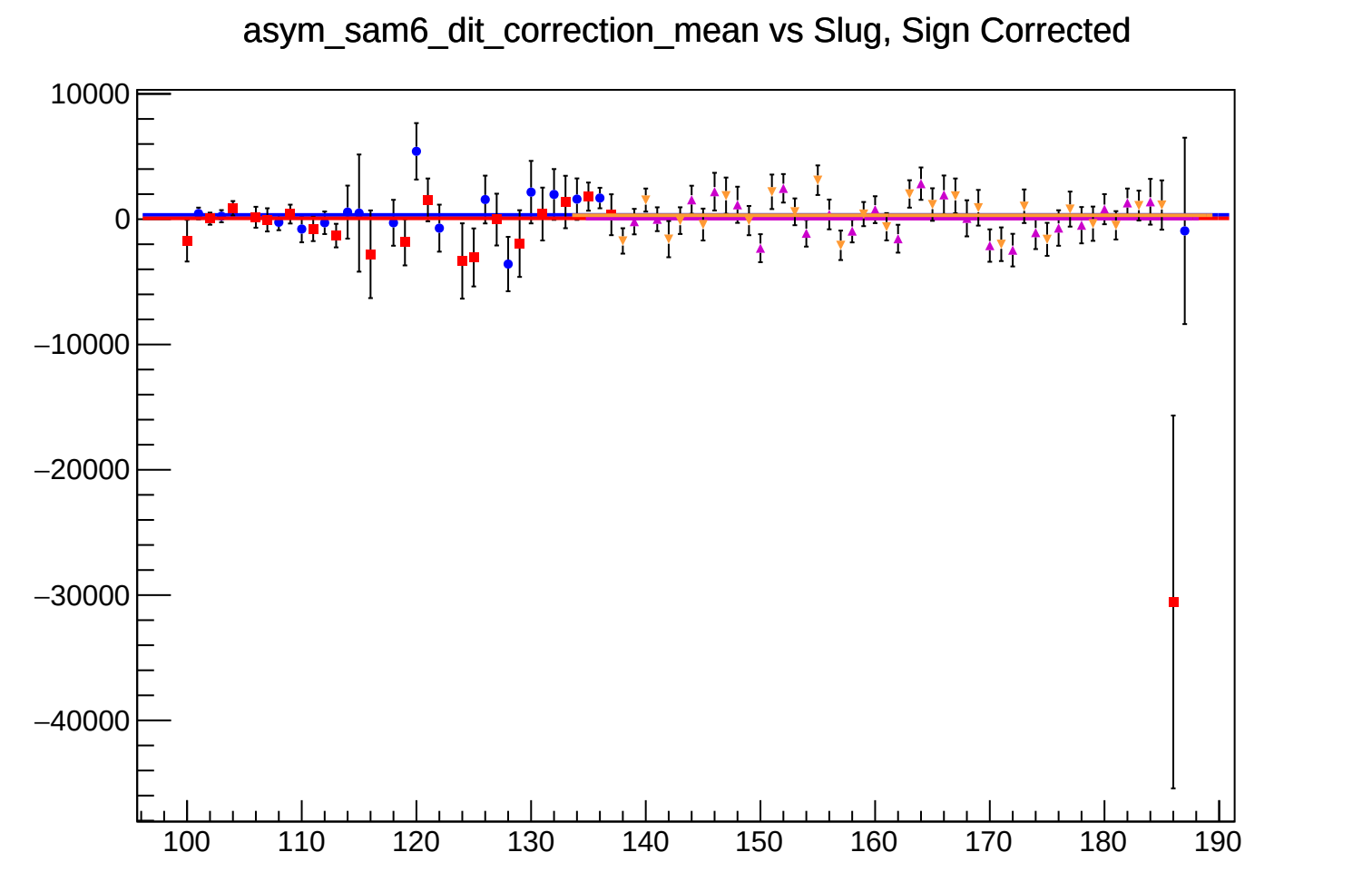
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 118.496+/-0.022 χ^2/NDF: 2084800.8/36

In: 150.235+/-0.021 χ^2/NDF:2382158.4/39

Out: 146.175+/-0.021 χ^2/NDF:3505082.6/44

All: 148.111+/-0.015 χ^2/NDF: 5905921.1/84



Right In: 343.091+/-241.404 χ^2/NDF: 16.3/16

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 67.436+/-240.448 χ^2/NDF: 19.5/19

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

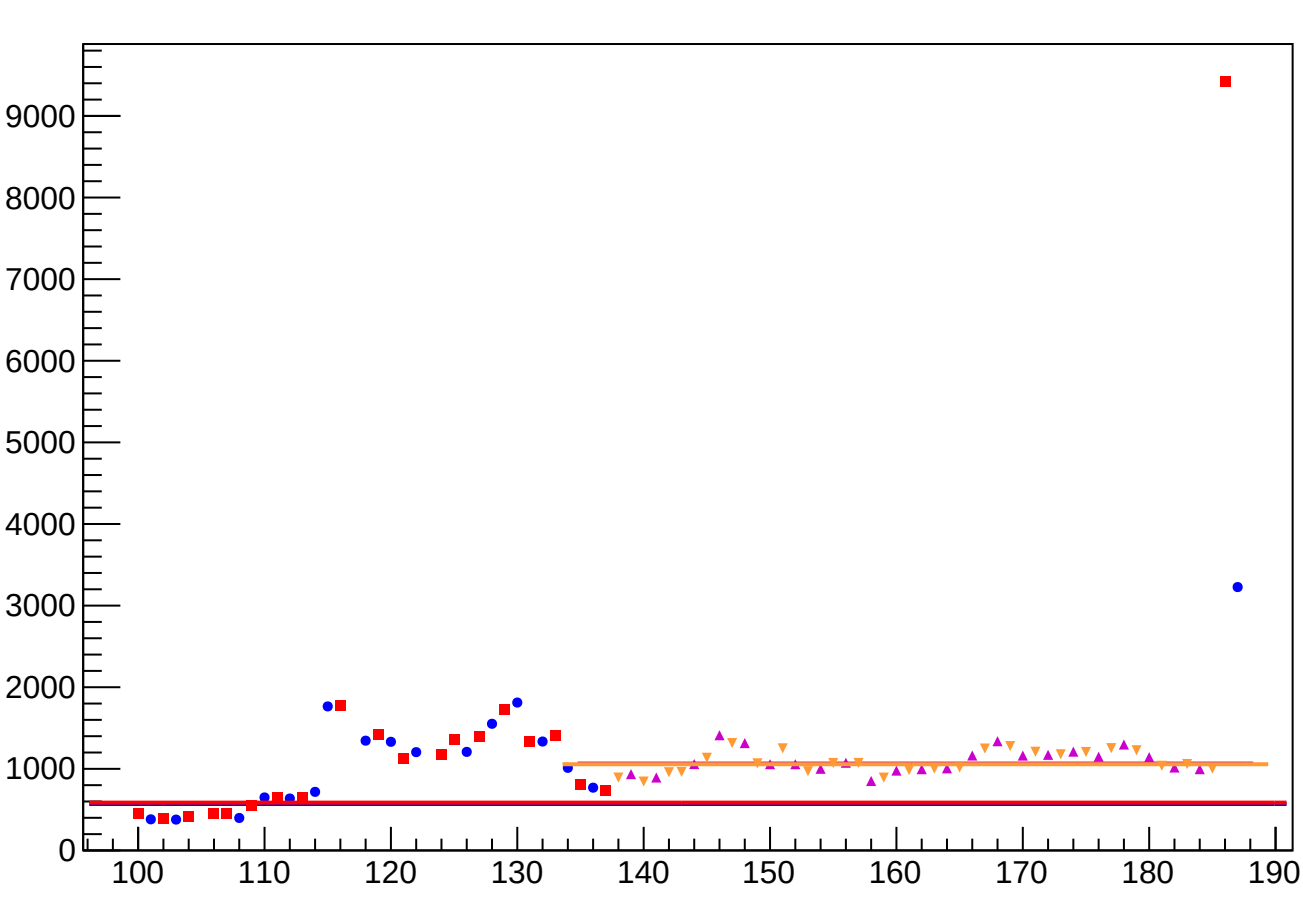
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 204.716+/-170.359 χ^2/NDF: 36.4/36

In: 201.072+/-174.076 χ^2/NDF:51.4/39

Out: 189.542+/-170.709 χ^2/NDF:52.9/44

All: 195.194+/-121.882 χ^2/NDF: 104.3/84



Right In: 569.406+/-0.171 χ^2/NDF: 3688050.1/16

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 586.102+/-0.170 χ^2/NDF: 3812553.9/19

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

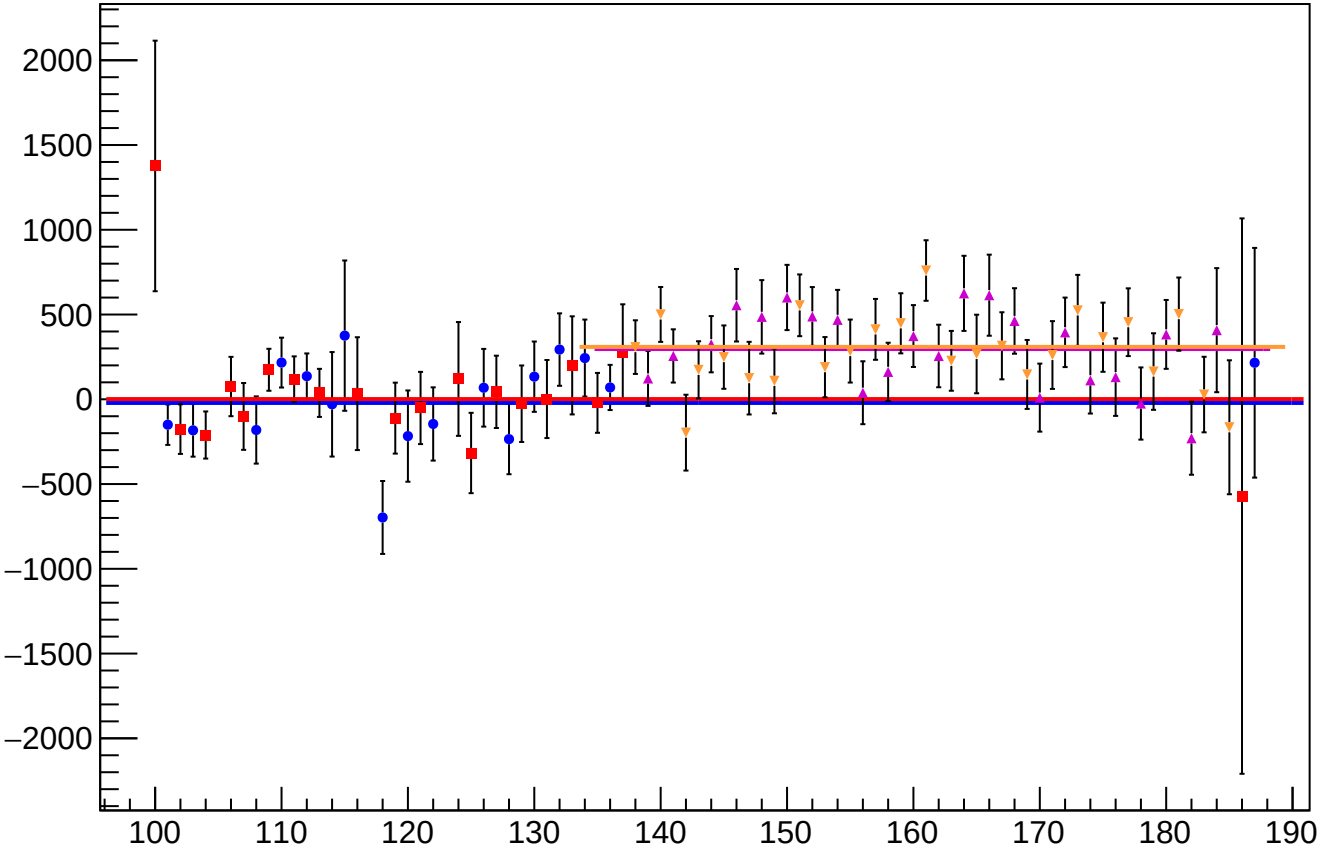
Right: 577.787+/-0.120 χ^2/NDF: 7505406.2/36

In: 807.153+/-0.123 χ^2/NDF:8340300.7/39

Out: 819.312+/-0.121 χ^2/NDF:8216786.8/44

All: 813.351+/-0.086 χ^2/NDF: 16562061.7/84

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -21.591+/-45.803 χ^2/NDF: 24.3/16

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 1.196+/-43.548 χ^2/NDF: 14.4/19

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

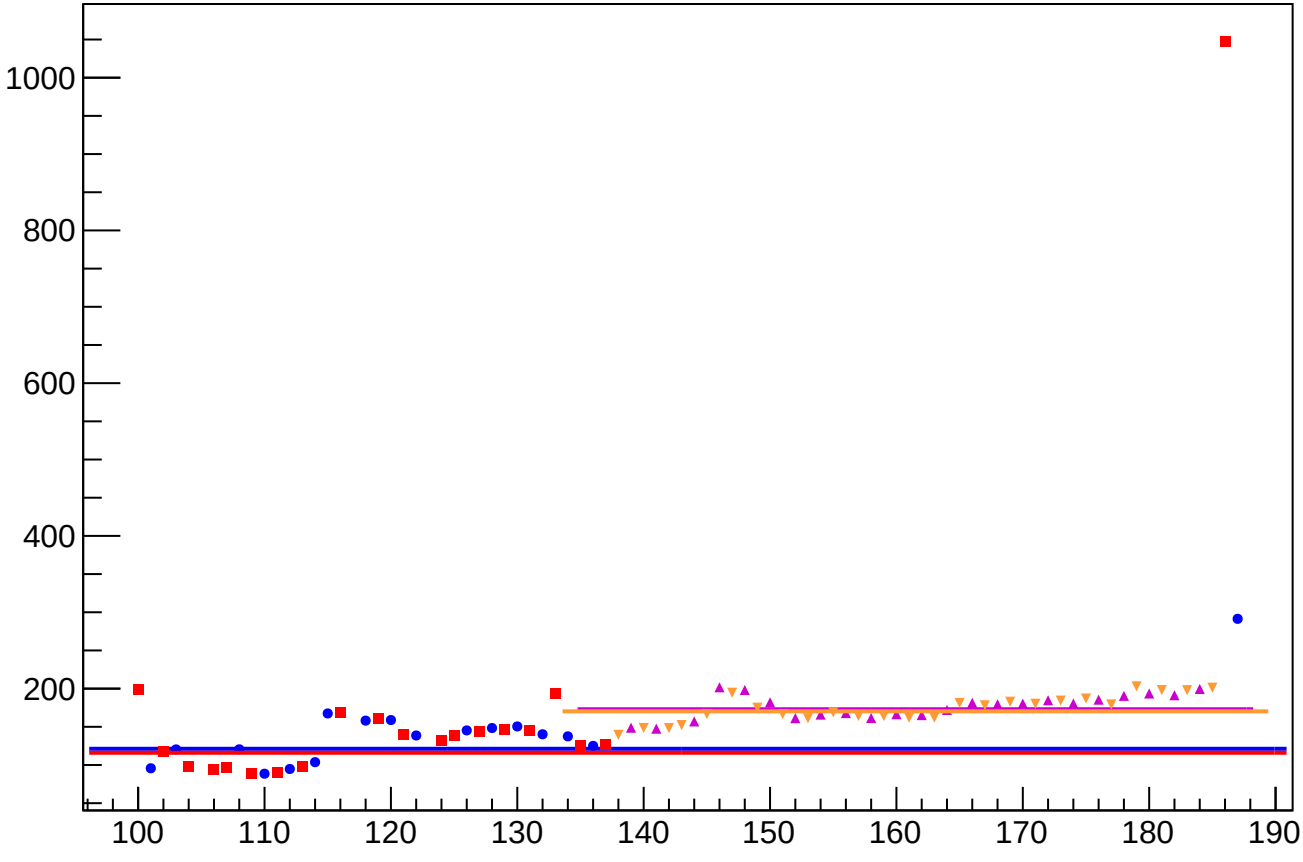
Right: -9.623+/-31.560 χ^2/NDF: 38.8/36

In: 156.513+/-30.385 χ^2/NDF:79.1/39

Out: 172.410+/-29.011 χ^2/NDF:67.8/44

All: 164.829+/-20.983 χ^2/NDF: 147.0/84

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.239+/-0.032 χ^2/NDF: 657066.3/16

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 116.015+/-0.031 χ^2/NDF: 1414072.1/19

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

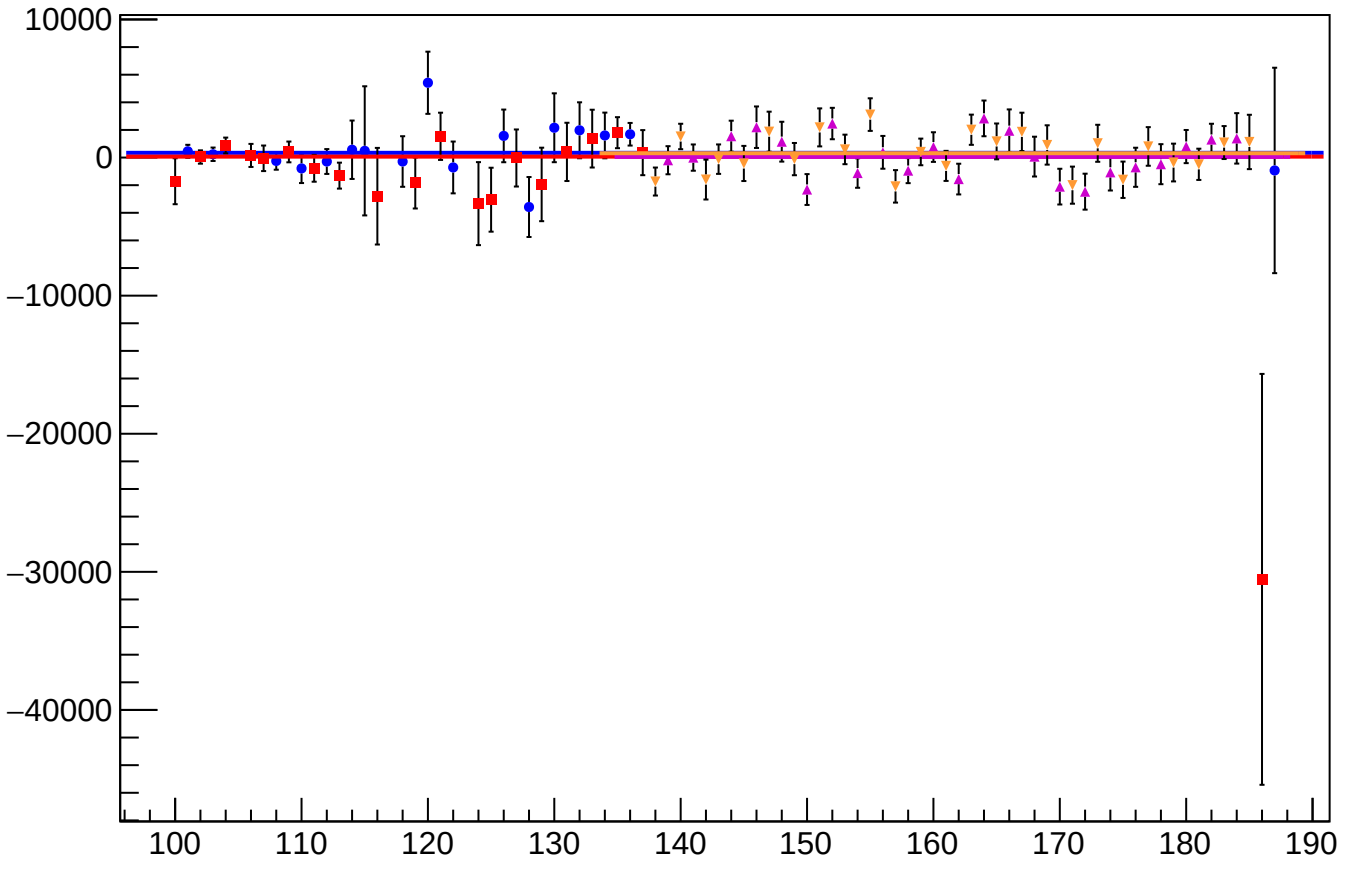
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 118.495+/-0.022 χ^2/NDF: 2084802.6/36

In: 150.234+/-0.021 χ^2/NDF:2382171.0/39

Out: 146.174+/-0.021 χ^2/NDF:3505087.6/44

All: 148.110+/-0.015 χ^2/NDF: 5905938.5/84



Right In: 343.090+/-241.404 χ^2/NDF: 16.3/16

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 67.437+/-240.448 χ^2/NDF: 19.5/19

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

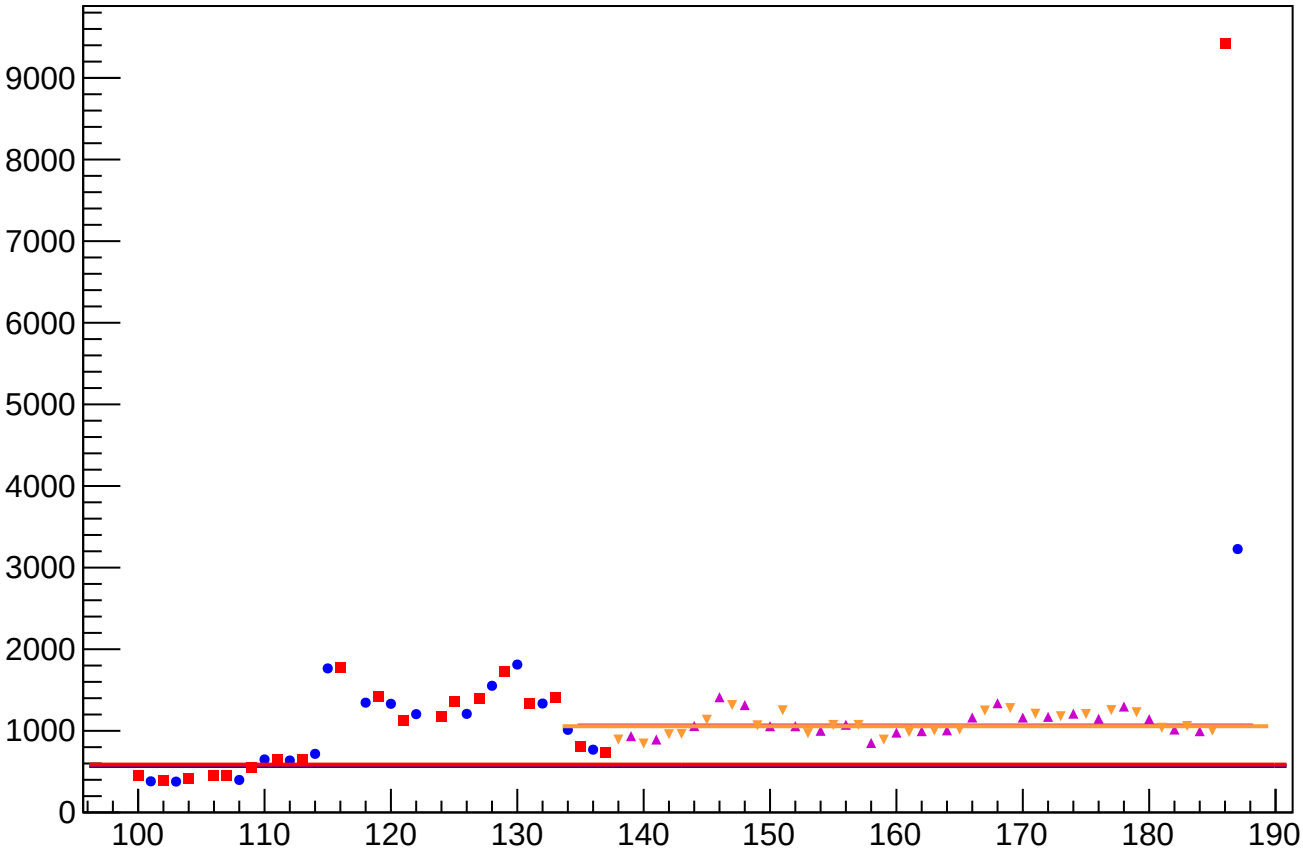
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 204.716+/-170.359 χ^2/NDF: 36.4/36

In: 201.072+/-174.076 χ^2/NDF:51.4/39

Out: 189.542+/-170.709 χ^2/NDF:52.9/44

All: 195.195+/-121.882 χ^2/NDF: 104.3/84



Right In: 569.405+/-0.171 χ^2/NDF: 3688054.7/16

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 586.101+/-0.170 χ^2/NDF: 3812554.0/19

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

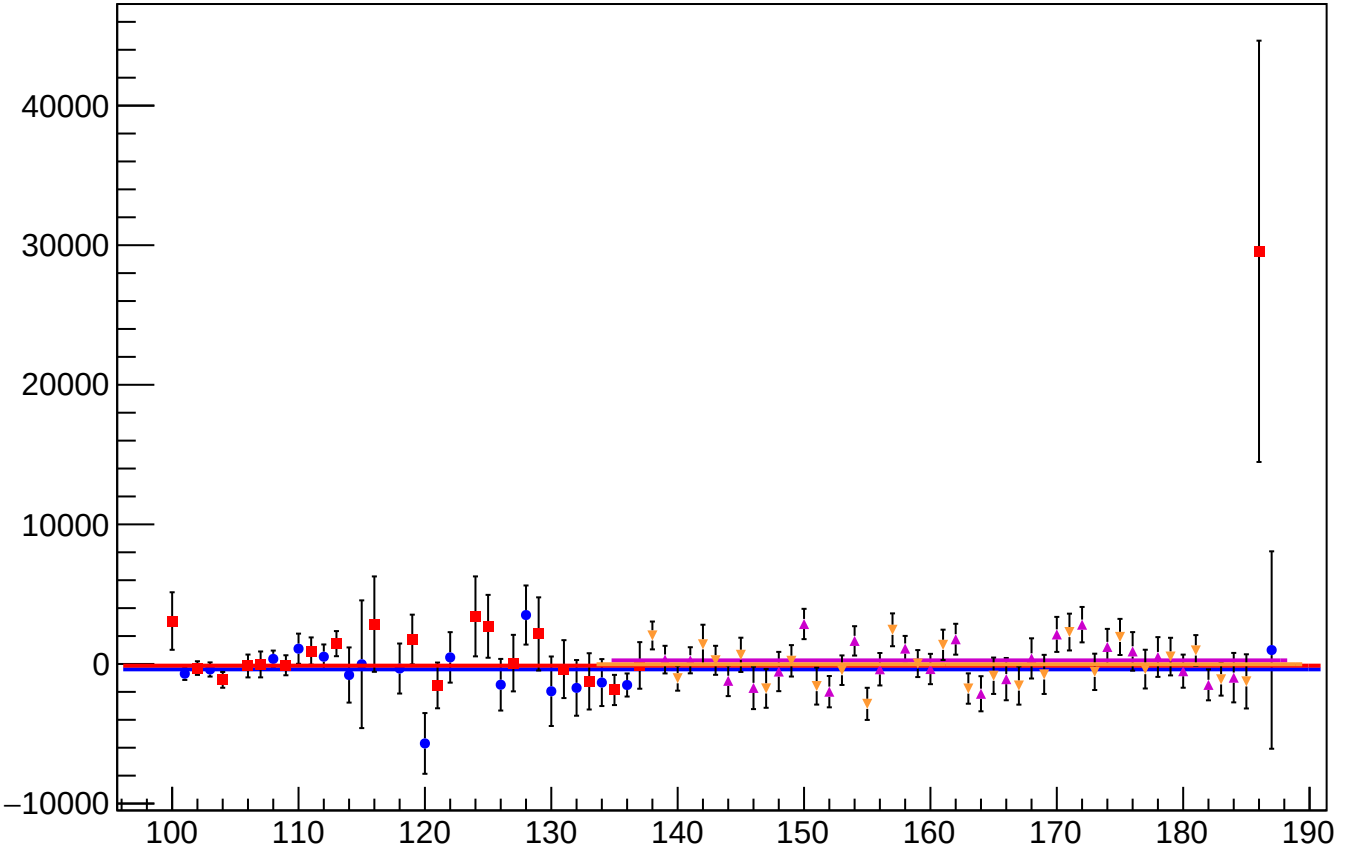
Right: 577.786+/-0.120 χ^2/NDF: 7505411.2/36

In: 807.152+/-0.123 χ^2/NDF:8340325.1/39

Out: 819.311+/-0.121 χ^2/NDF:8216805.4/44

All: 813.350+/-0.086 χ^2/NDF: 16562104.9/84

asym_sam6_mean vs Slug, Sign Corrected



Right In: -384.963+/-237.391 χ^2/NDF: 18.0/16

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -121.185+/-238.211 χ^2/NDF: 23.3/19

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

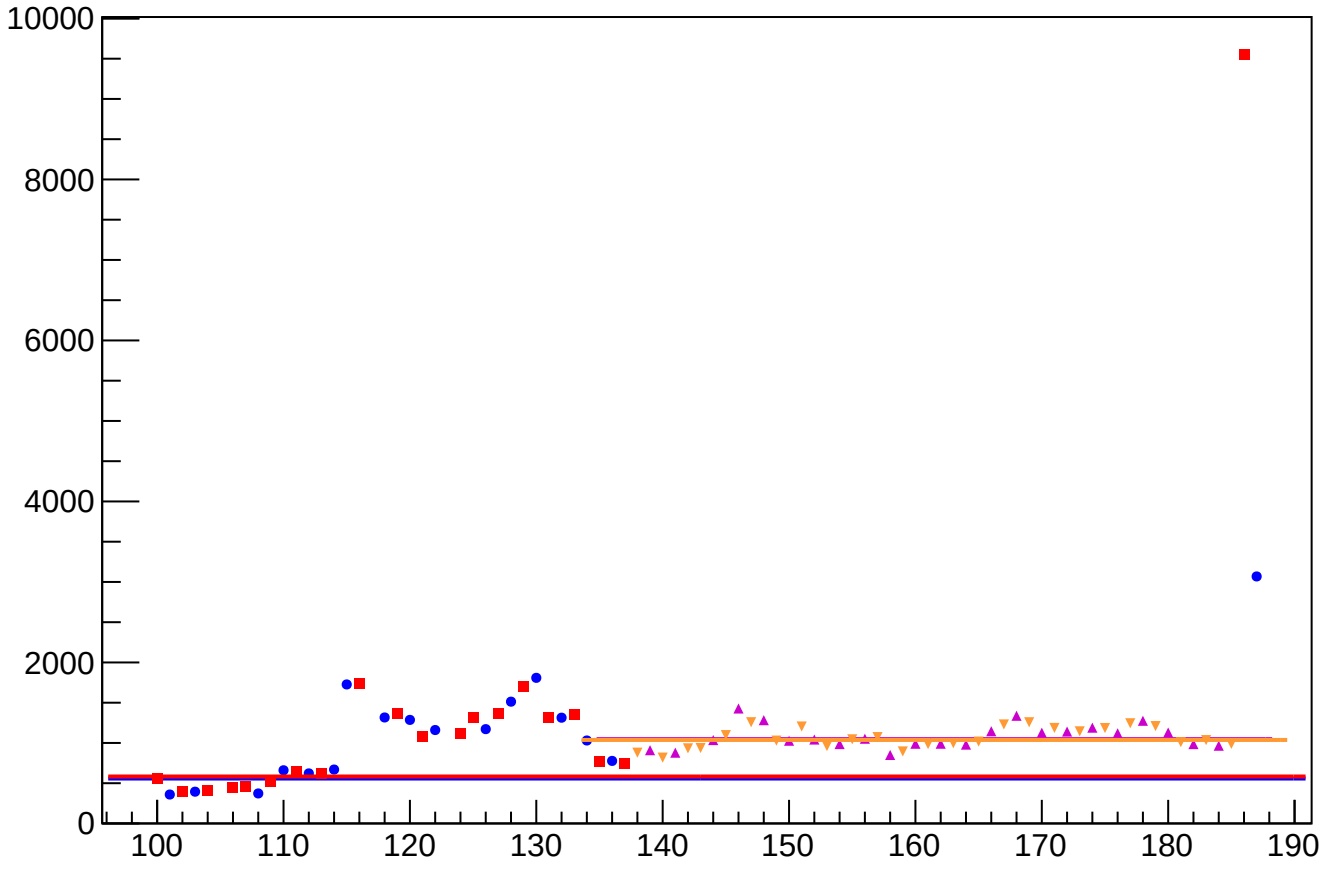
Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

Right: -253.529+/-168.150 χ^2/NDF: 41.9/36

In: -77.742+/-171.224 χ^2/NDF:55.0/39

Out: -71.473+/-168.356 χ^2/NDF:57.8/44

All: -74.555+/-120.047 χ^2/NDF: 112.9/84



Right In: 558.123+/-0.168 χ^2/NDF: 3734776.6/16

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 583.230+/-0.168 χ^2/NDF: 3689388.1/19

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

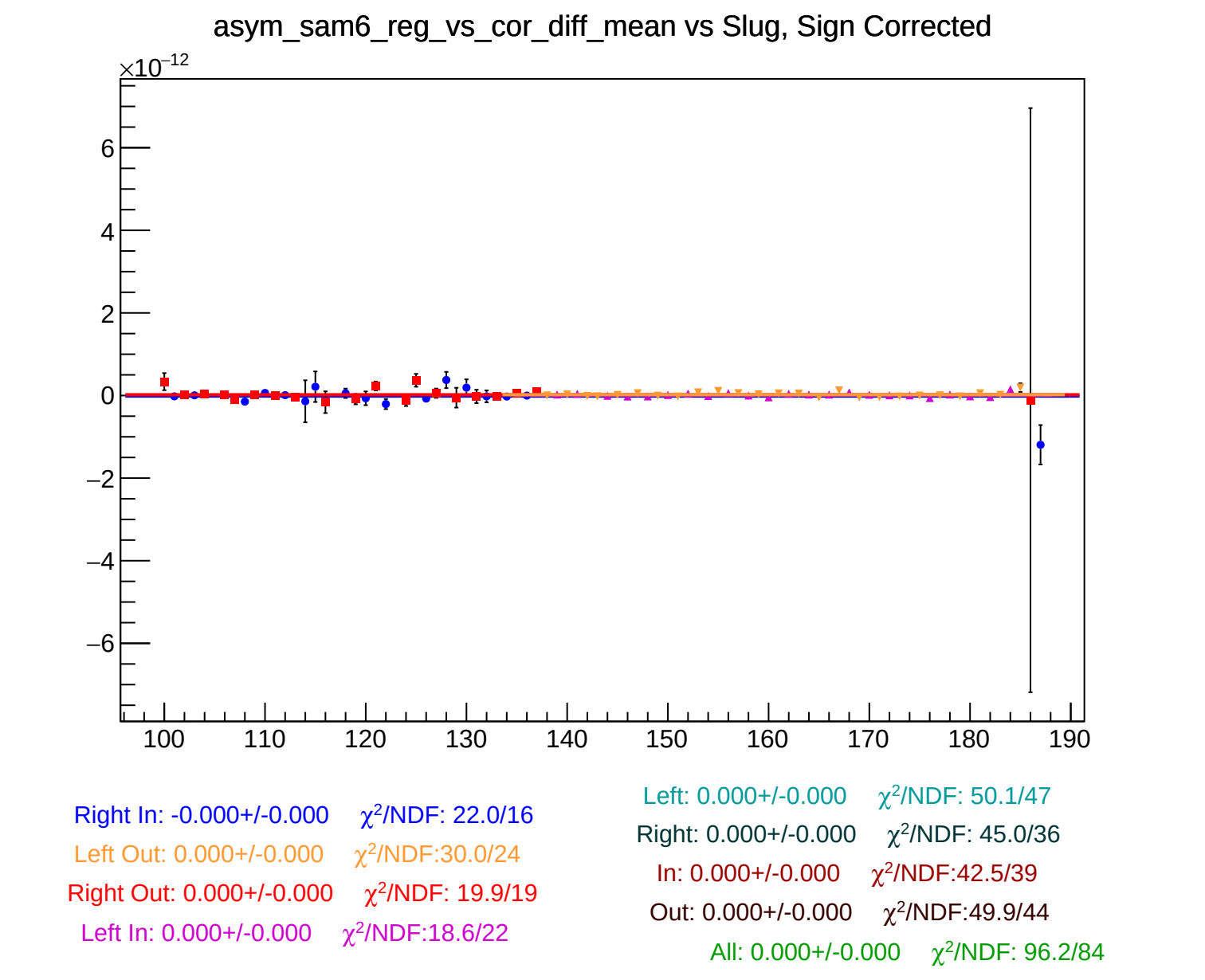
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

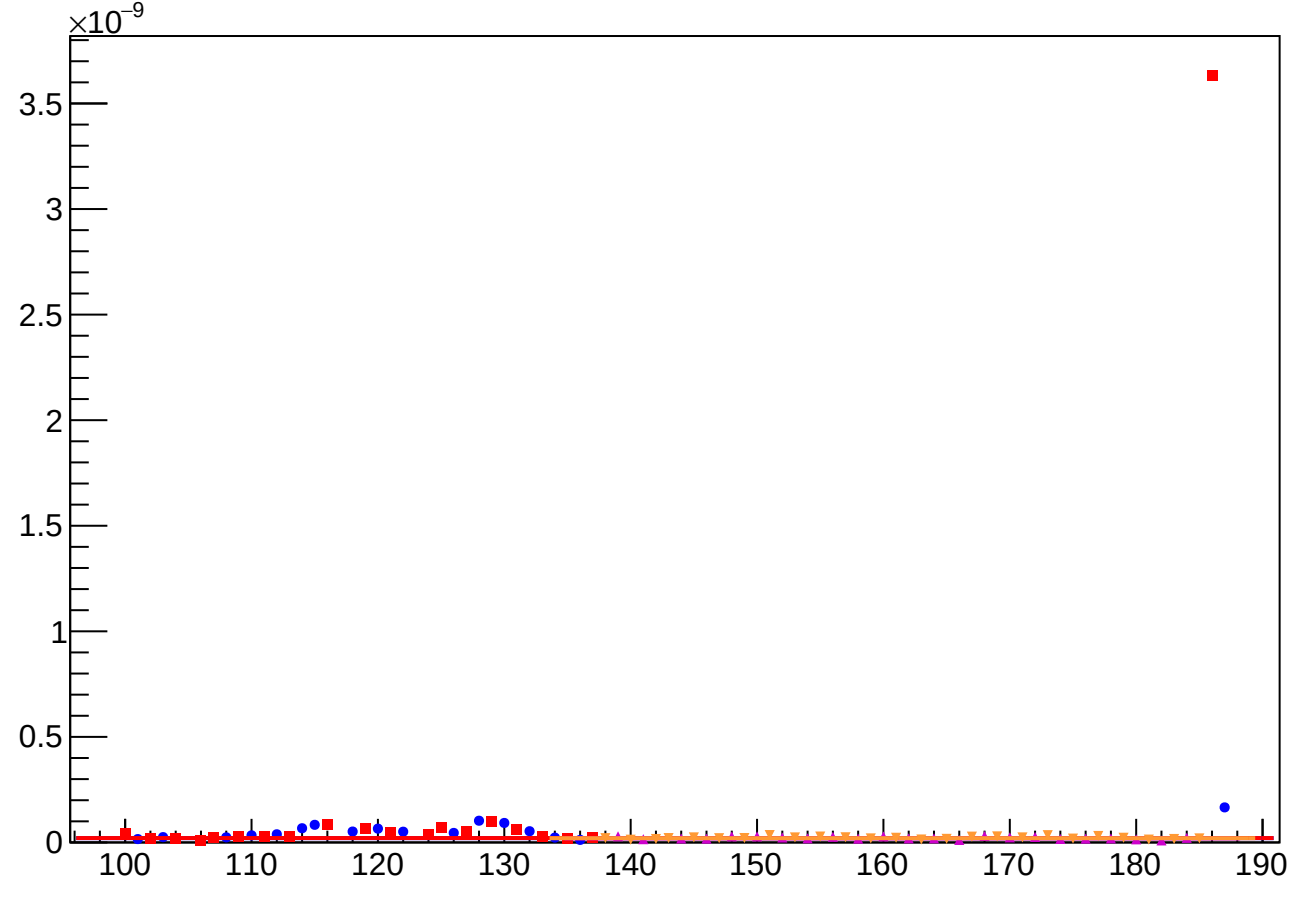
Right: 570.633+/-0.119 χ^2/NDF: 7435311.2/36

In: 792.969+/-0.121 χ^2/NDF:8427965.6/39

Out: 810.505+/-0.119 χ^2/NDF:7912412.8/44

All: 801.885+/-0.085 χ^2/NDF: 16351044.5/84


asym_sam6_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 22.0/16
Left Out: 0.000+/-0.000 χ²/NDF:30.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.9/19
Left In: 0.000+/-0.000 χ²/NDF:18.6/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/47
Right: 0.000+/-0.000 χ²/NDF: 45.0/36
In: 0.000+/-0.000 χ²/NDF:42.5/39
Out: 0.000+/-0.000 χ²/NDF:49.9/44
All: 0.000+/-0.000 χ²/NDF: 96.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 2191234.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2377699.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

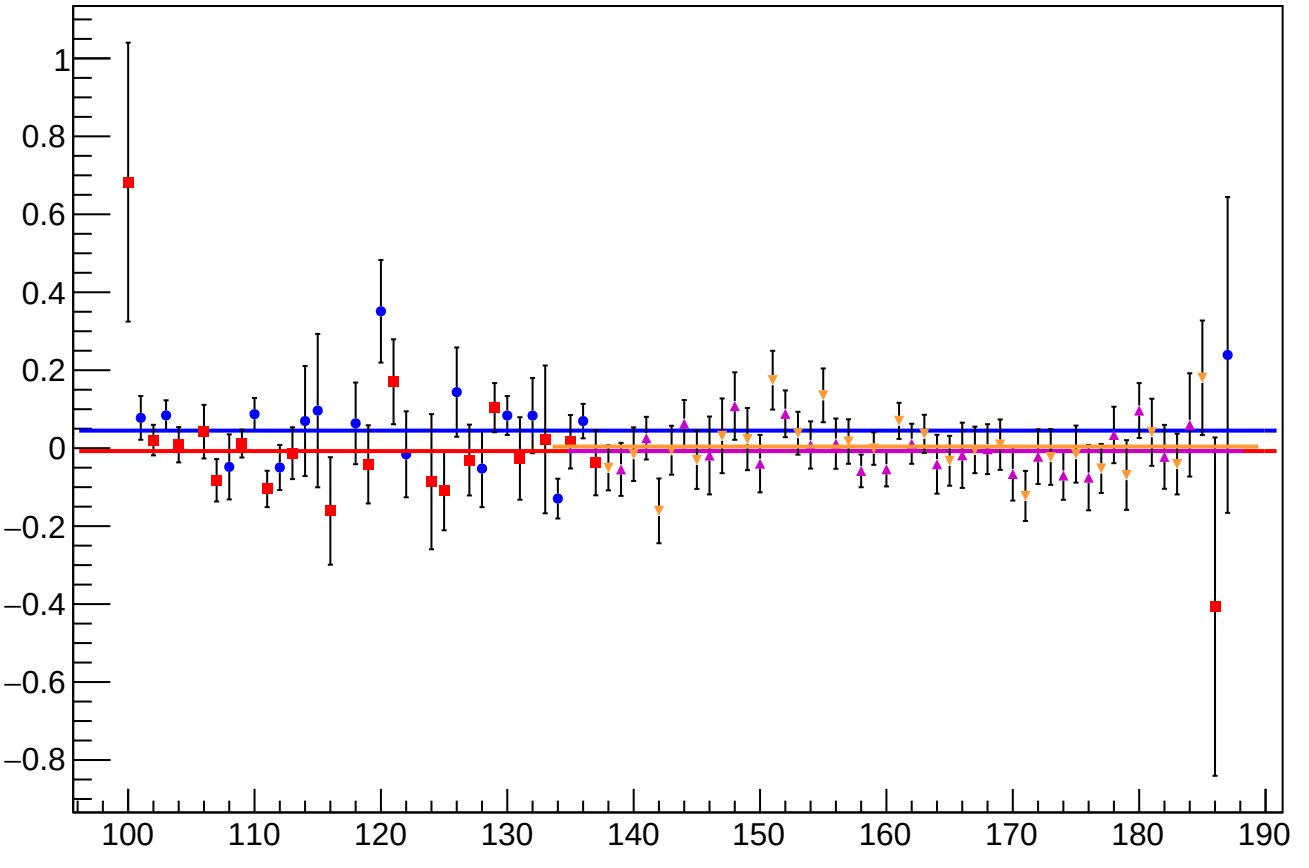
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 4570048.0/36

In: 0.000+/-0.000 χ^2/NDF:3251745.2/39

Out: 0.000+/-0.000 χ^2/NDF:3374426.5/44

All: 0.000+/-0.000 χ^2/NDF: 6641020.6/84



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.015 χ^2/NDF: 21.0/19

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

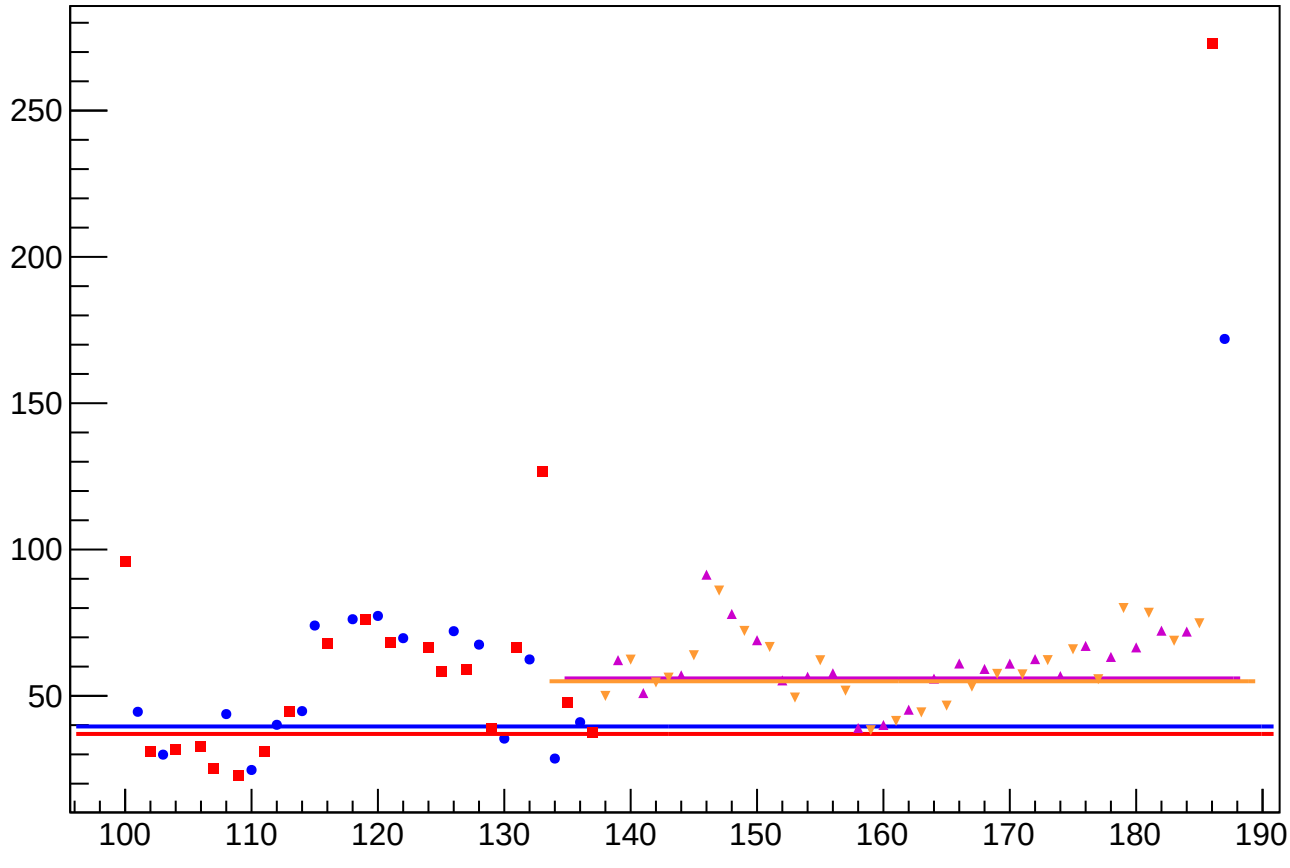
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 53.5/36

In: 0.014+/-0.010 χ^2/NDF:48.2/39

Out: -0.001+/-0.010 χ^2/NDF:46.1/44

All: 0.006+/-0.007 χ^2/NDF: 95.5/84



Right In: 39.542+/-0.011 χ^2/NDF: 1780558.3/16

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 36.986+/-0.011 χ^2/NDF: 2688425.2/19

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

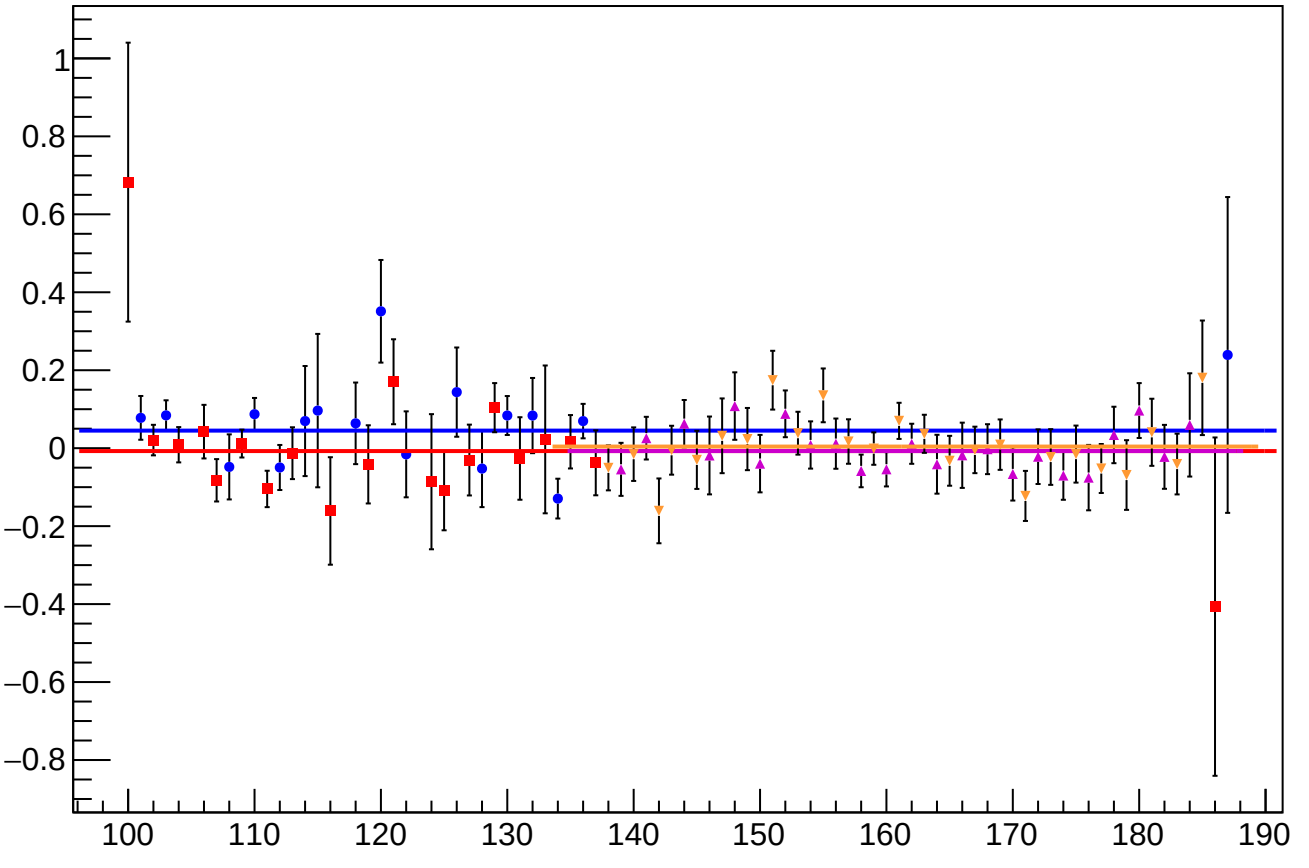
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 38.189+/-0.008 χ^2/NDF: 4495959.8/36

In: 49.124+/-0.007 χ^2/NDF:4414068.6/39

Out: 47.356+/-0.007 χ^2/NDF:5892235.8/44

All: 48.196+/-0.005 χ^2/NDF: 10337051.5/84



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.015 χ^2/NDF: 21.0/19

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

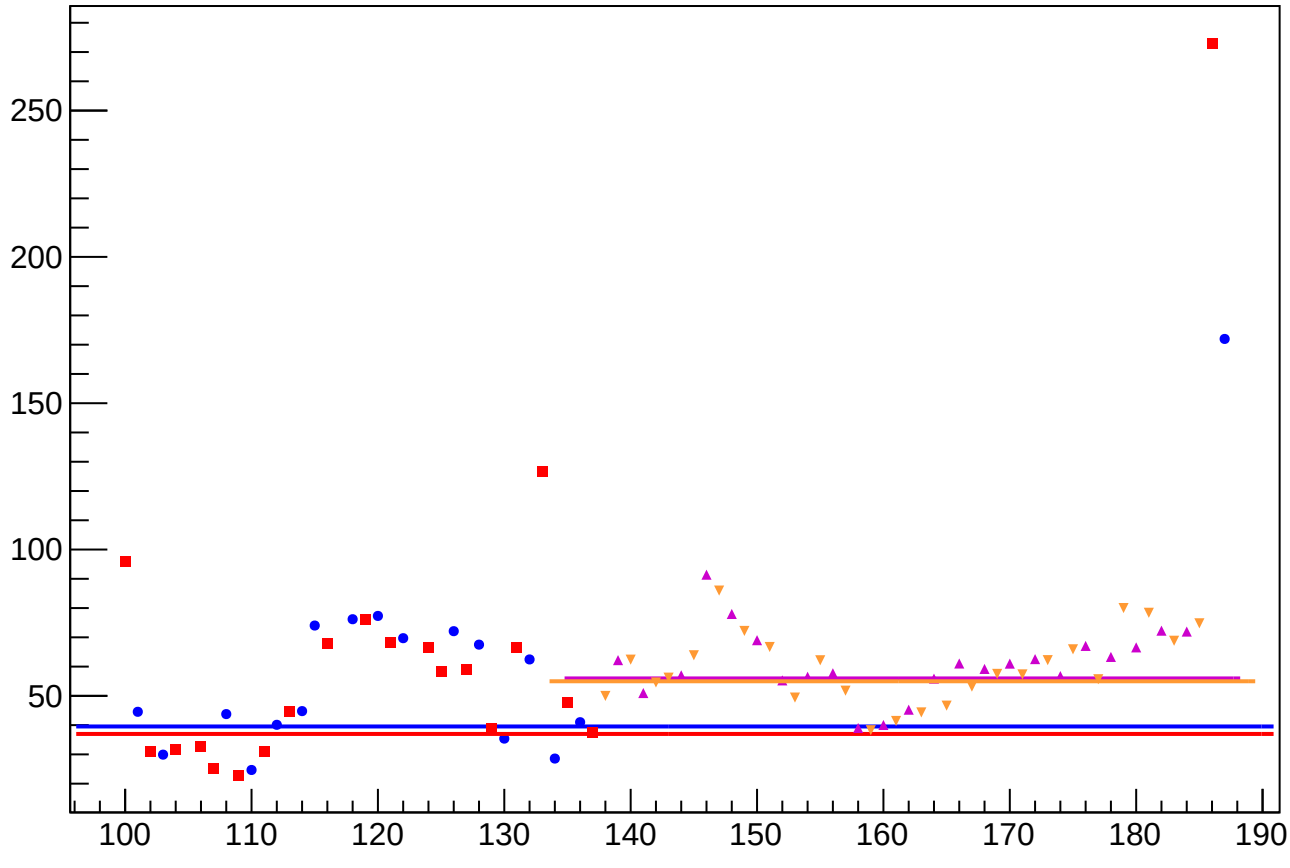
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 53.5/36

In: 0.014+/-0.010 χ^2/NDF:48.2/39

Out: -0.001+/-0.010 χ^2/NDF:46.1/44

All: 0.006+/-0.007 χ^2/NDF: 95.5/84



Right In: 39.542+/-0.011 χ^2/NDF: 1780558.3/16

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 36.986+/-0.011 χ^2/NDF: 2688425.2/19

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

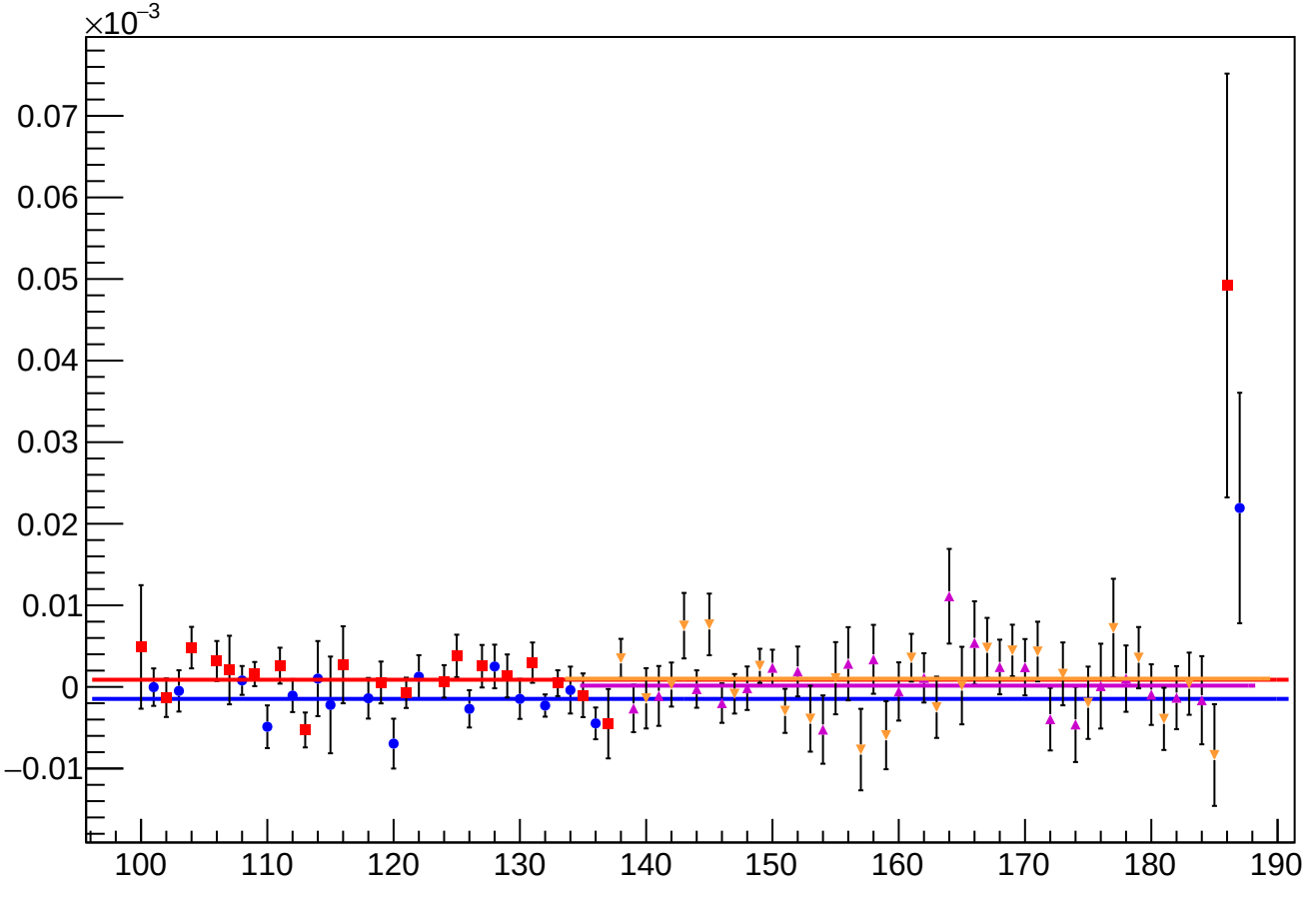
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 38.189+/-0.008 χ^2/NDF: 4495959.8/36

In: 49.124+/-0.007 χ^2/NDF:4414068.6/39

Out: 47.356+/-0.007 χ^2/NDF:5892235.8/44

All: 48.196+/-0.005 χ^2/NDF: 10337051.5/84



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/19

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

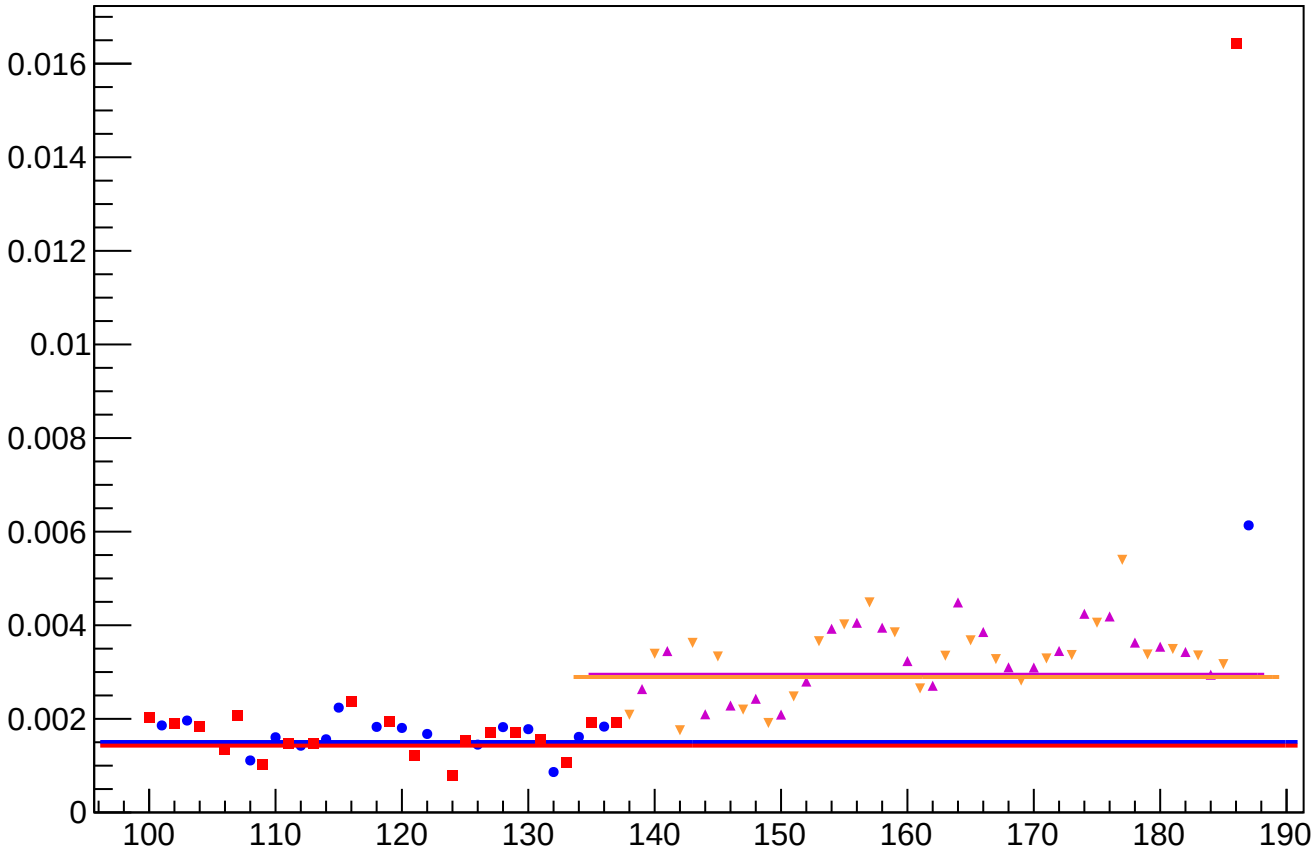
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 47.9/36

In: -0.000+/-0.000 χ^2/NDF:33.8/39

Out: 0.000+/-0.000 χ^2/NDF:51.1/44

All: 0.000+/-0.000 χ^2/NDF: 92.9/84



Right In: 0.002+/-0.000 χ^2/NDF: 1082460.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 1665535.3/19

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

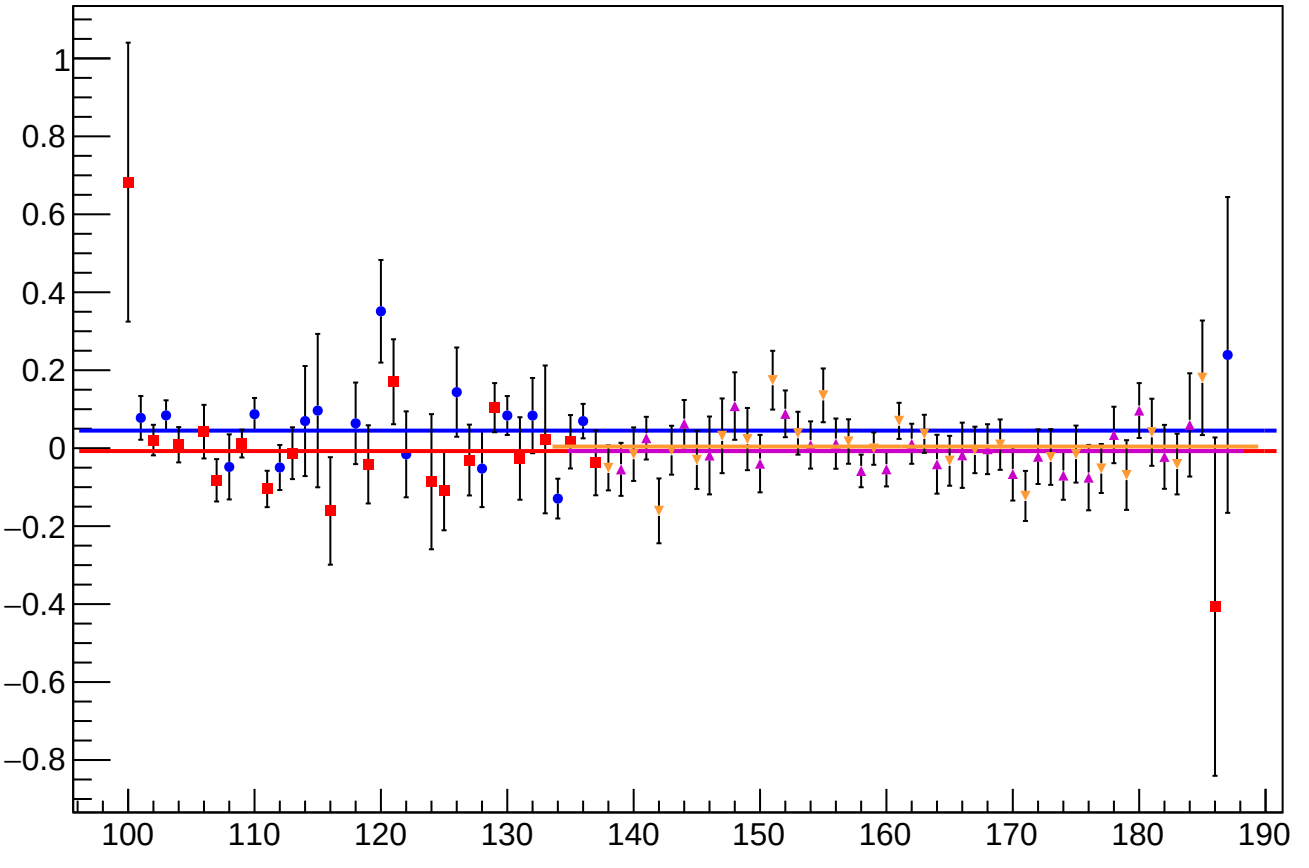
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.001+/-0.000 χ^2/NDF: 2766757.9/36

In: 0.002+/-0.000 χ^2/NDF:7884766.9/39

Out: 0.002+/-0.000 χ^2/NDF:9924093.3/44

All: 0.002+/-0.000 χ^2/NDF: 17848966.4/84



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.015 χ^2/NDF: 21.0/19

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

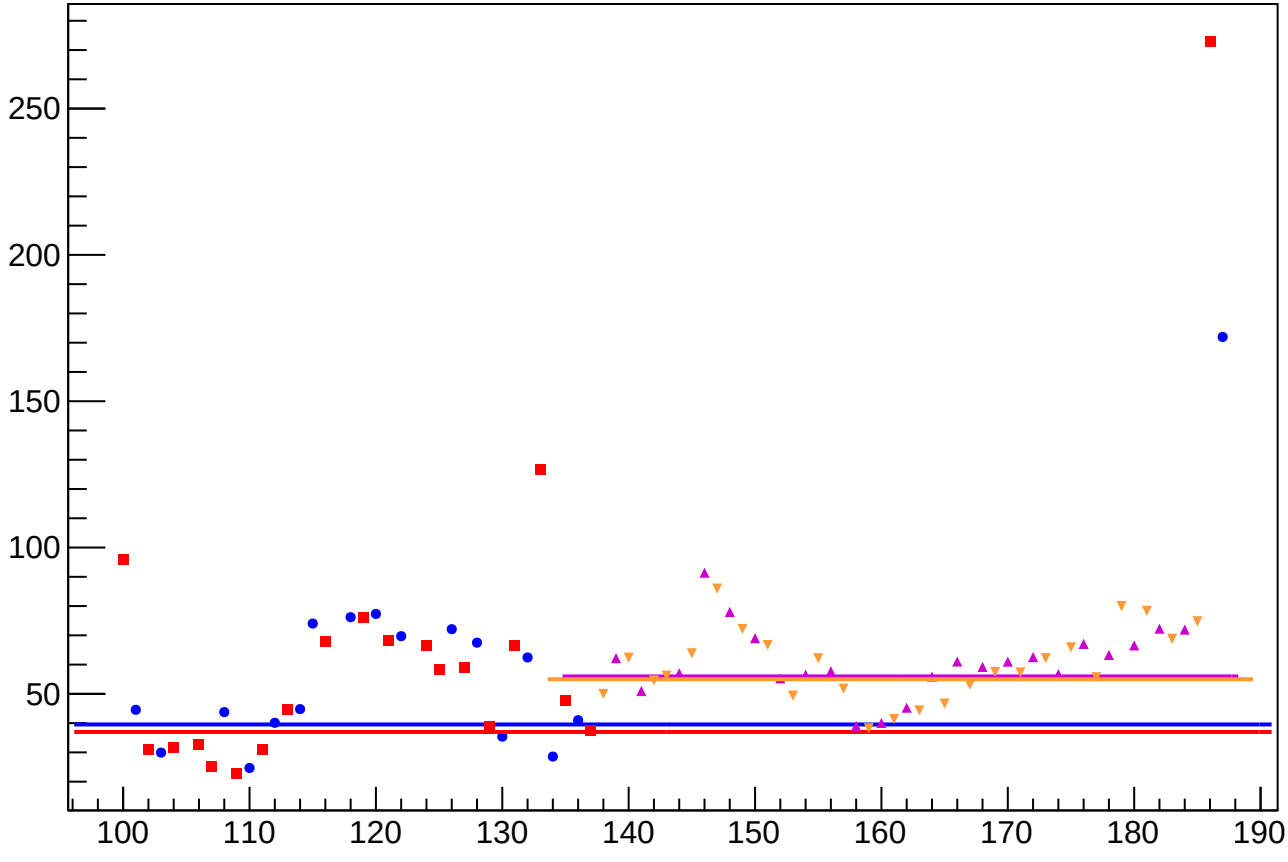
Right: 0.017+/-0.011 χ^2/NDF: 53.5/36

In: 0.014+/-0.010 χ^2/NDF:48.2/39

Out: -0.001+/-0.010 χ^2/NDF:46.1/44

All: 0.006+/-0.007 χ^2/NDF: 95.5/84

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.541+/-0.011 χ^2/NDF: 1780578.1/16

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 36.985+/-0.011 χ^2/NDF: 2688420.0/19

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

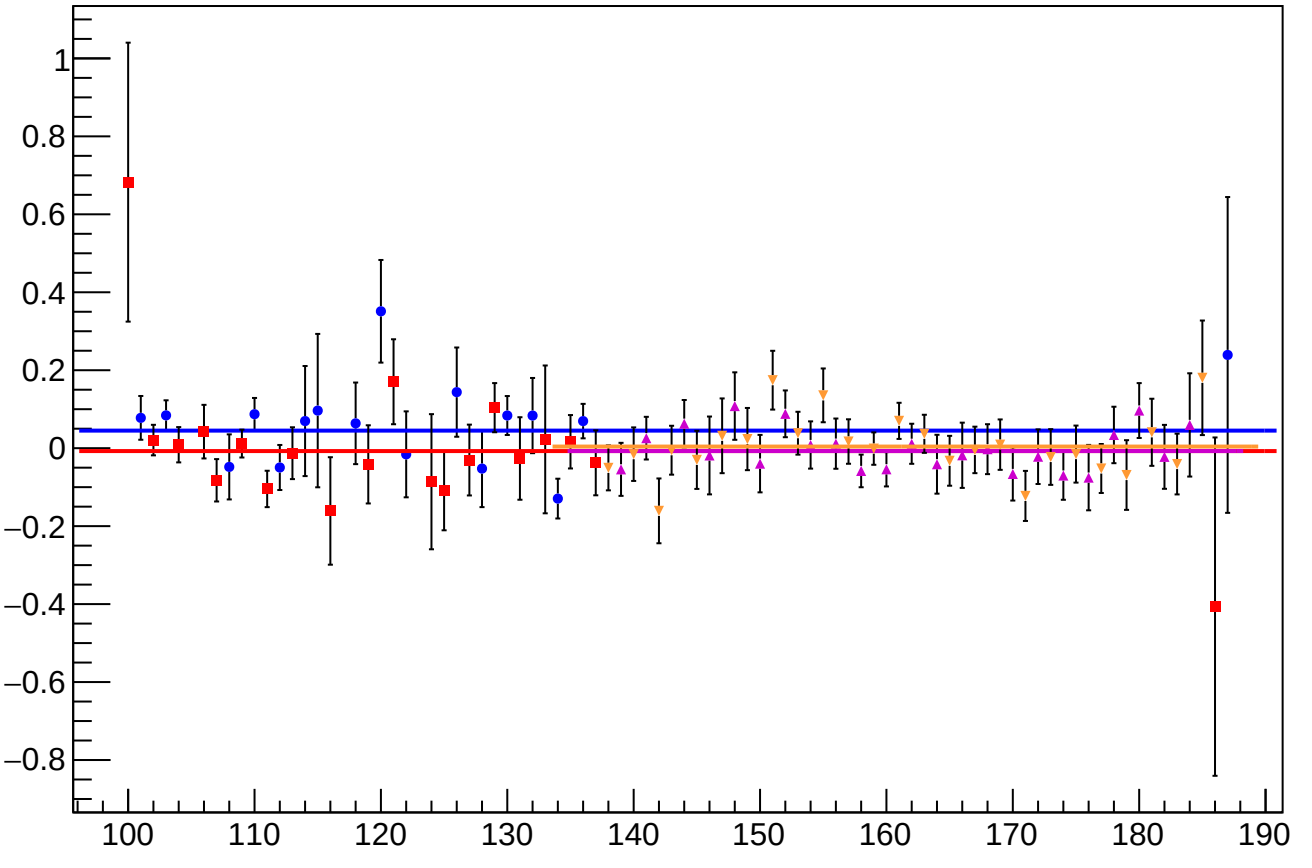
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 38.189+/-0.008 χ^2/NDF: 4495969.1/36

In: 49.123+/-0.007 χ^2/NDF:4414197.0/39

Out: 47.355+/-0.007 χ^2/NDF:5892254.0/44

All: 48.195+/-0.005 χ^2/NDF: 10337190.2/84



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.007+/-0.015 χ^2/NDF: 21.0/19

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

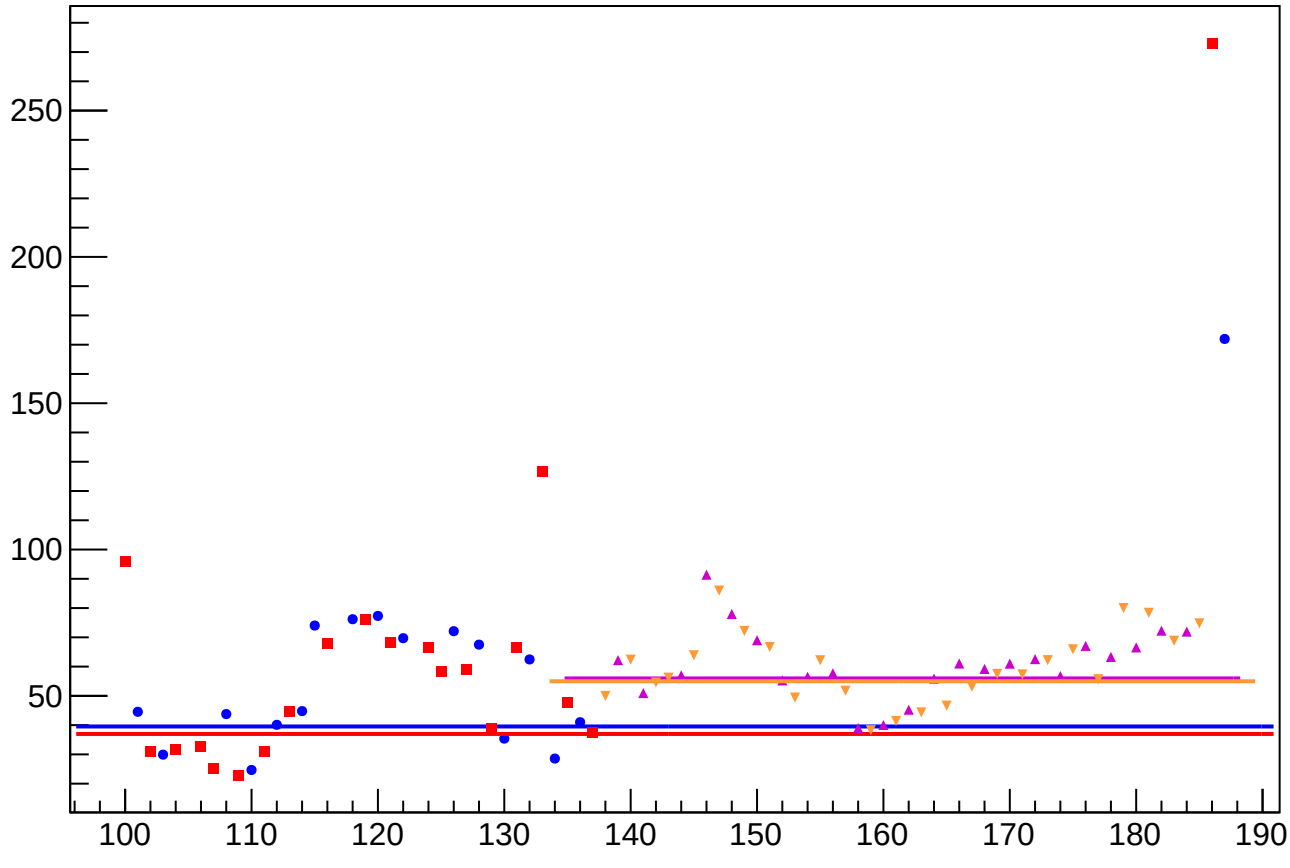
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 53.5/36

In: 0.014+/-0.010 χ^2/NDF:48.2/39

Out: -0.001+/-0.010 χ^2/NDF:46.1/44

All: 0.006+/-0.007 χ^2/NDF: 95.5/84



Right In: 39.541+/-0.011 χ^2/NDF: 1780578.1/16

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 36.985+/-0.011 χ^2/NDF: 2688420.0/19

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

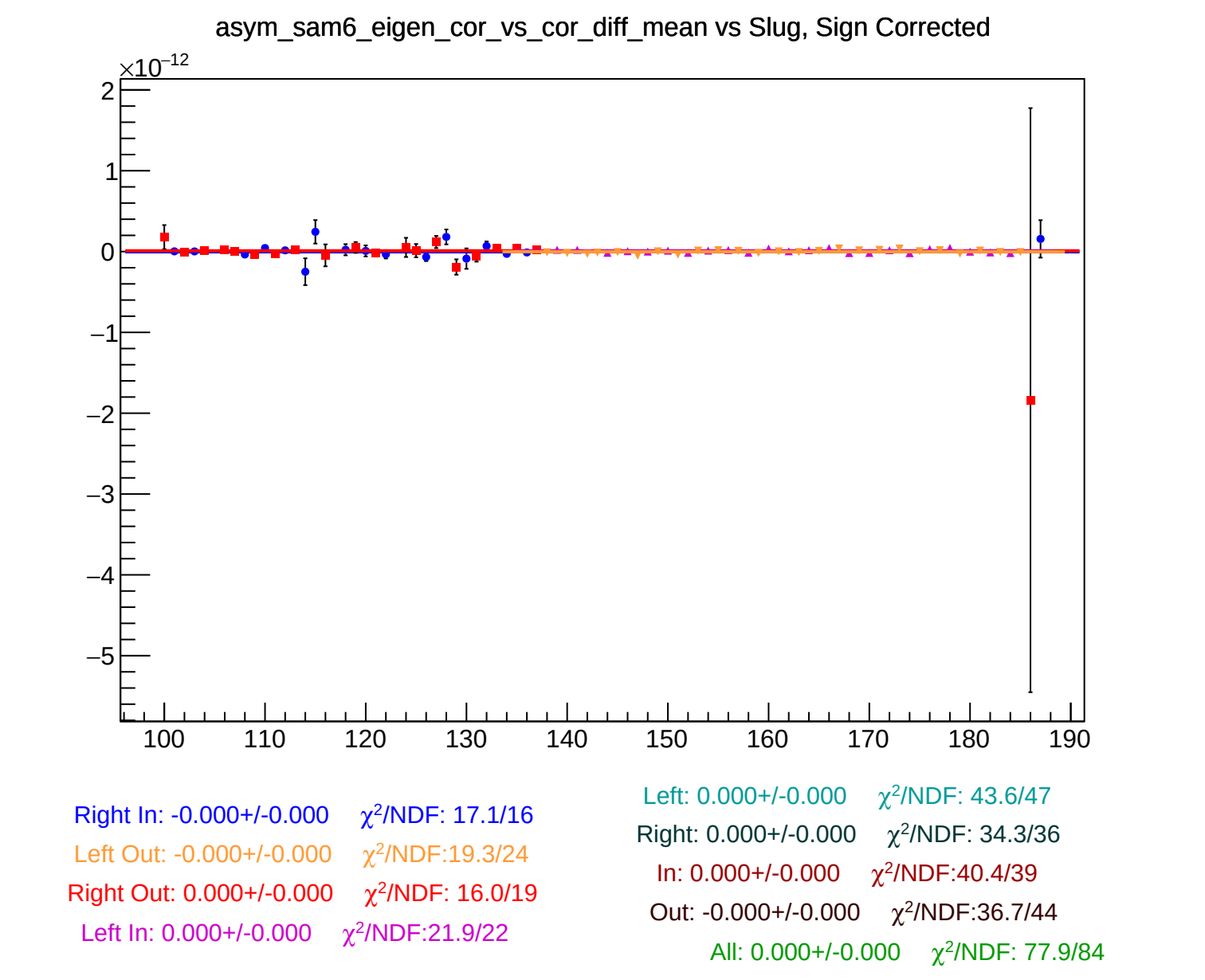
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 38.189+/-0.008 χ^2/NDF: 4495969.1/36

In: 49.123+/-0.007 χ^2/NDF:4414197.0/39

Out: 47.355+/-0.007 χ^2/NDF:5892254.0/44

All: 48.195+/-0.005 χ^2/NDF: 10337190.2/84


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
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−1
−2
−3
−4
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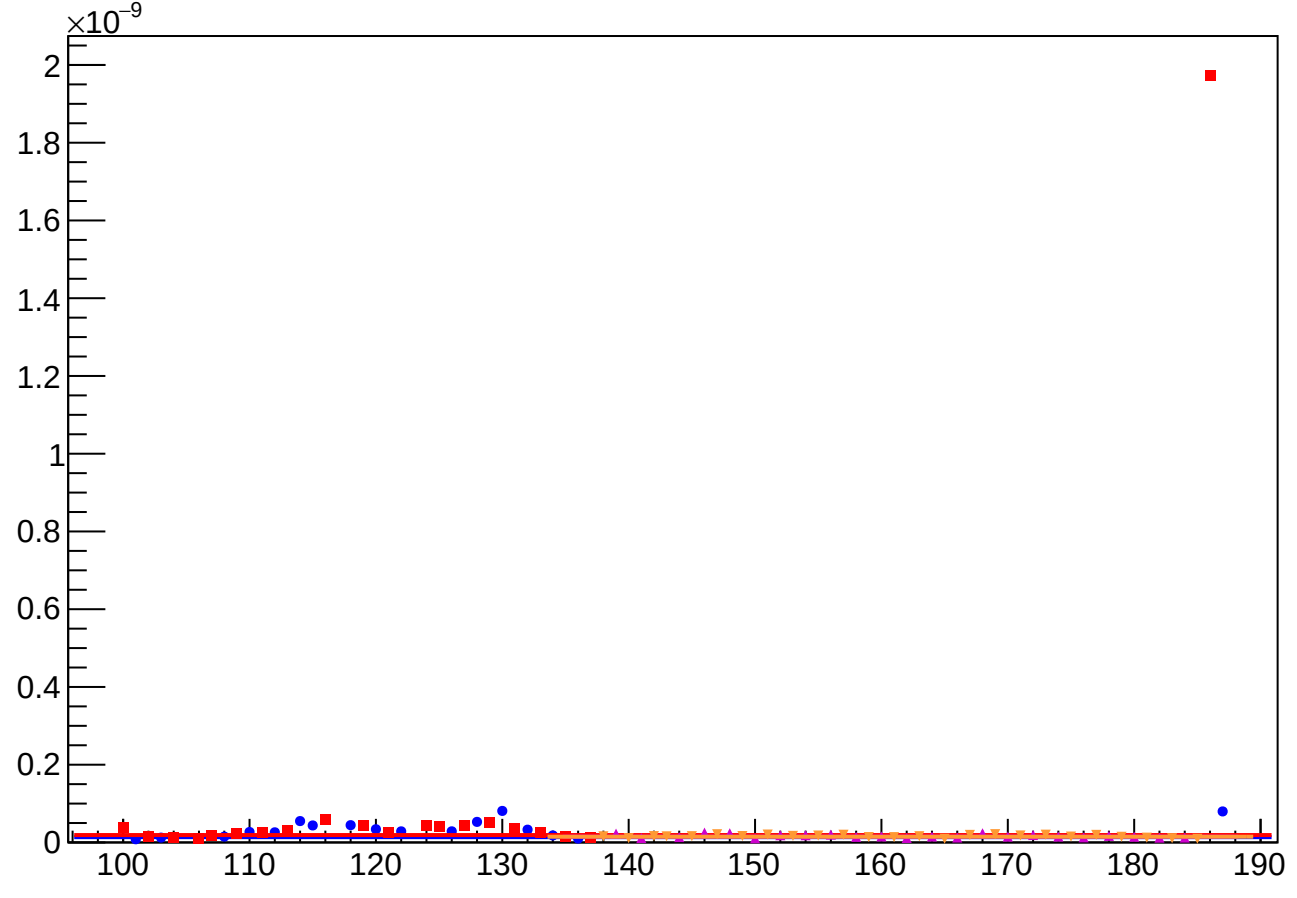
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/16
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/19
Left In: 0.000+/-0.000 χ²/NDF:21.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.6/47
Right: 0.000+/-0.000 χ²/NDF: 34.3/36
In: 0.000+/-0.000 χ²/NDF:40.4/39
Out: -0.000+/-0.000 χ²/NDF:36.7/44
All: 0.000+/-0.000 χ²/NDF: 77.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 3350335.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2634505.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

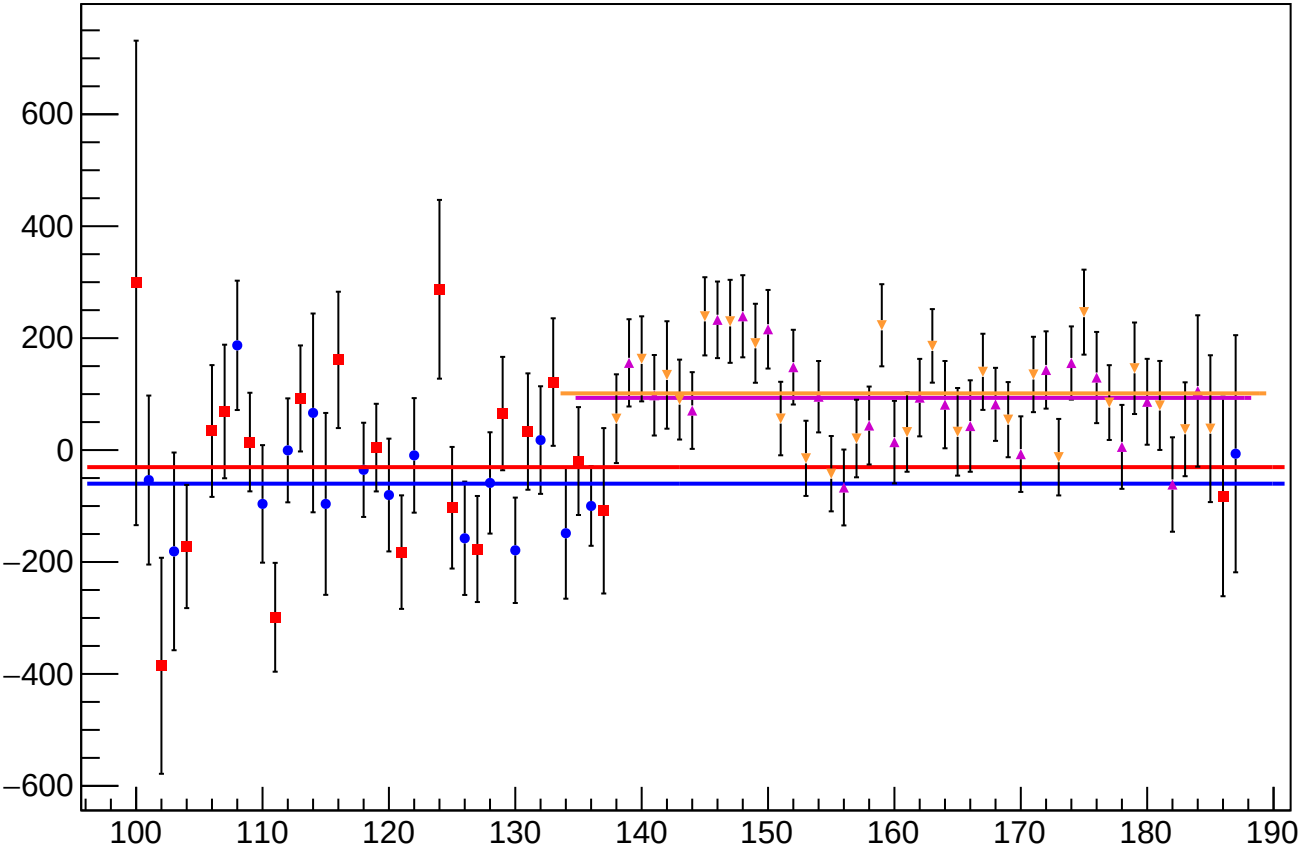
Right: 0.000+/-0.000 χ^2/NDF: 6415009.3/36

In: 0.000+/-0.000 χ^2/NDF:4824613.3/39

Out: 0.000+/-0.000 χ^2/NDF:4400557.5/44

All: 0.000+/-0.000 χ^2/NDF: 9282801.4/84

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.037+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -30.491+/-24.860 χ^2/NDF: 31.3/19

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

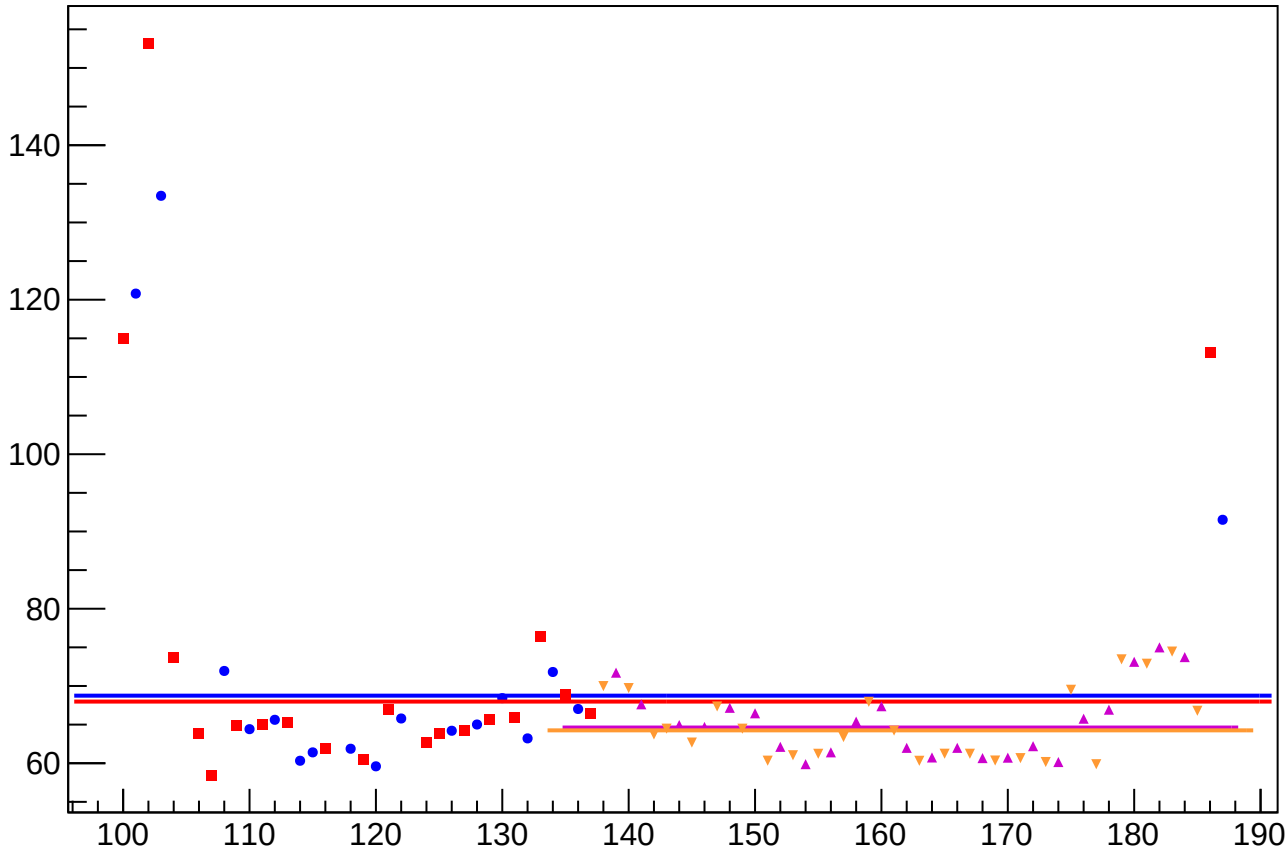
Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

Right: -44.682+/-17.921 χ^2/NDF: 42.6/36

In: 54.121+/-13.063 χ^2/NDF:65.6/39

Out: 67.377+/-12.616 χ^2/NDF:86.0/44

All: 60.980+/-9.075 χ^2/NDF: 152.2/84



Right In: 68.748+/-0.018 χ^2/NDF: 592999.6/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 67.981+/-0.018 χ^2/NDF: 612601.5/19

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

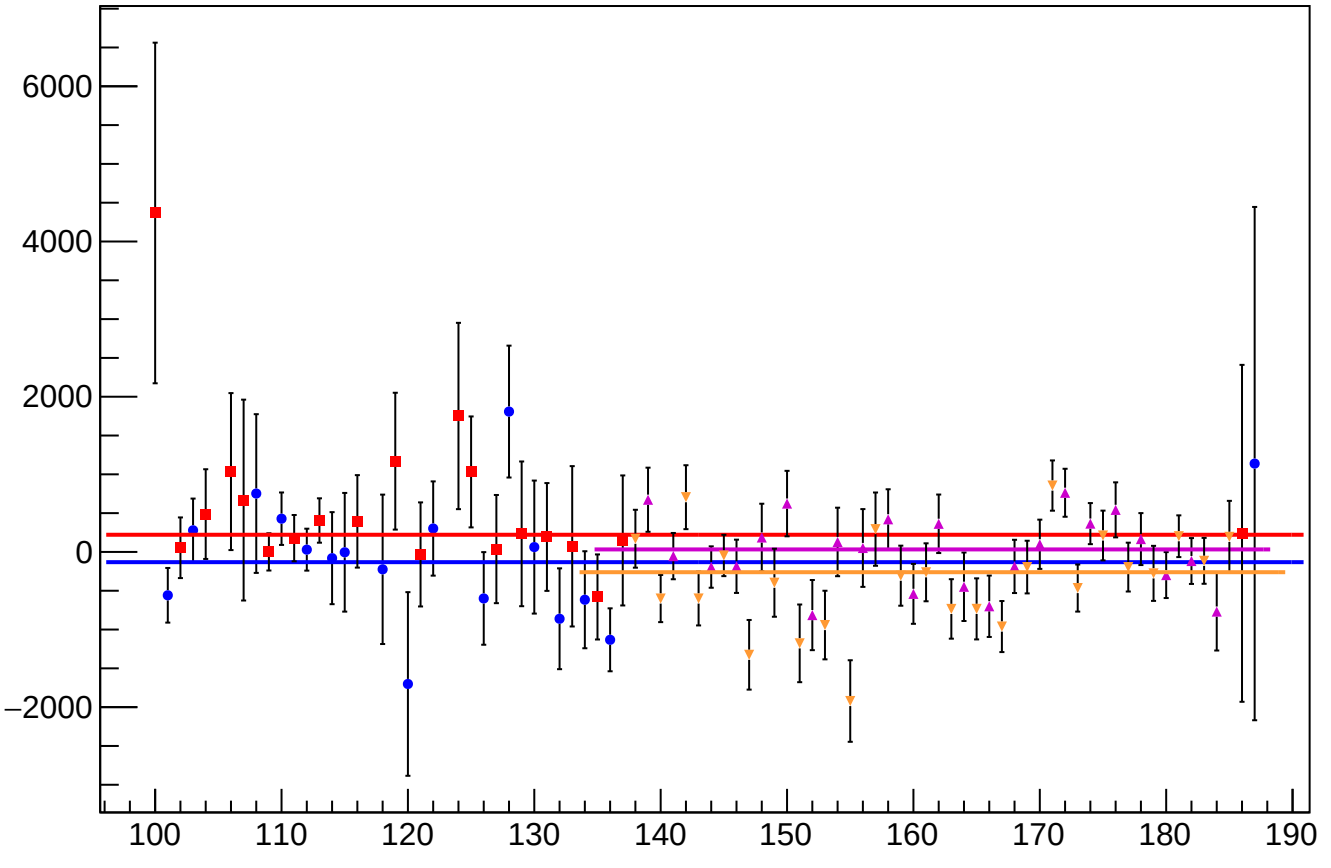
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 68.349+/-0.013 χ^2/NDF: 1206515.1/36

In: 65.674+/-0.009 χ^2/NDF:778131.3/39

Out: 65.215+/-0.009 χ^2/NDF:823640.8/44

All: 65.437+/-0.006 χ^2/NDF: 1603051.1/84



Right In: -131.749+/-125.812 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 221.378+/-117.610 χ^2/NDF: 12.5/19

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

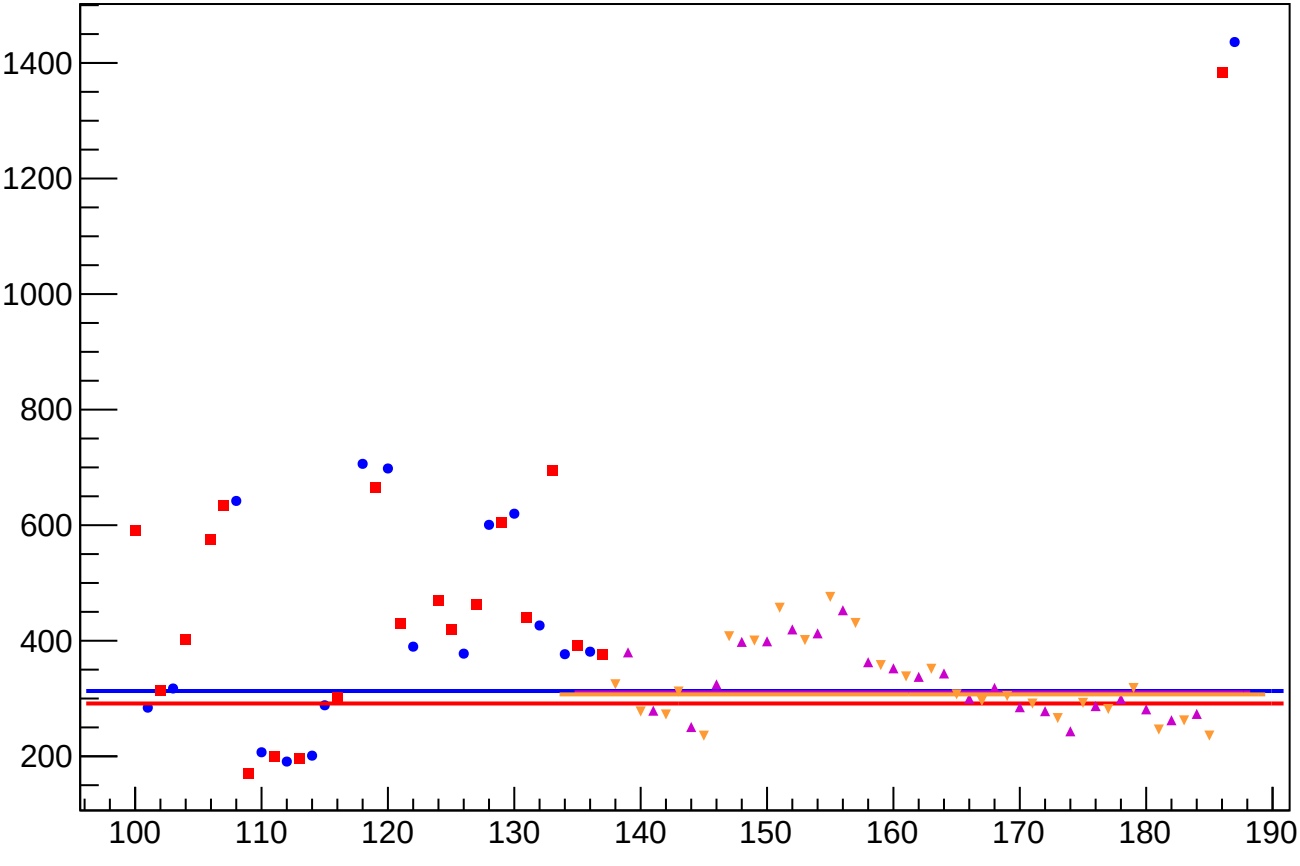
Right: 56.701+/-85.916 χ^2/NDF: 39.4/36

In: -9.636+/-63.680 χ^2/NDF:55.6/39

Out: -131.533+/-60.951 χ^2/NDF:83.7/44

All: -73.253+/-44.032 χ^2/NDF: 141.2/84

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 313.014+/-0.089 χ^2/NDF: 2354849.1/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 291.418+/-0.083 χ^2/NDF: 3222572.7/19

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

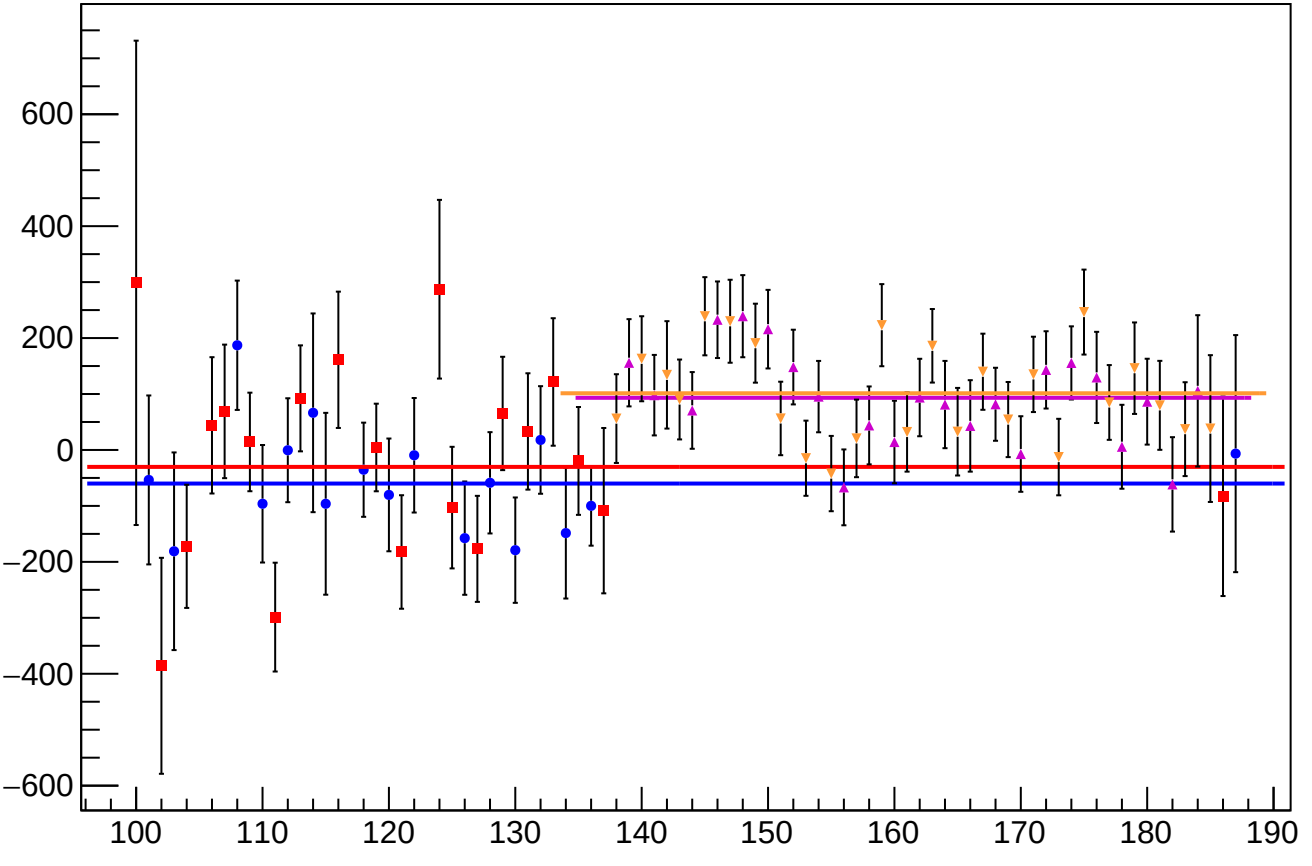
Right: 301.489+/-0.061 χ^2/NDF: 5608869.1/36

In: 311.291+/-0.045 χ^2/NDF:3434829.7/39

Out: 302.920+/-0.043 χ^2/NDF:4568874.4/44

All: 306.922+/-0.031 χ^2/NDF: 8021741.3/84

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.039+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -30.264+/-24.897 χ^2/NDF: 31.4/19

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

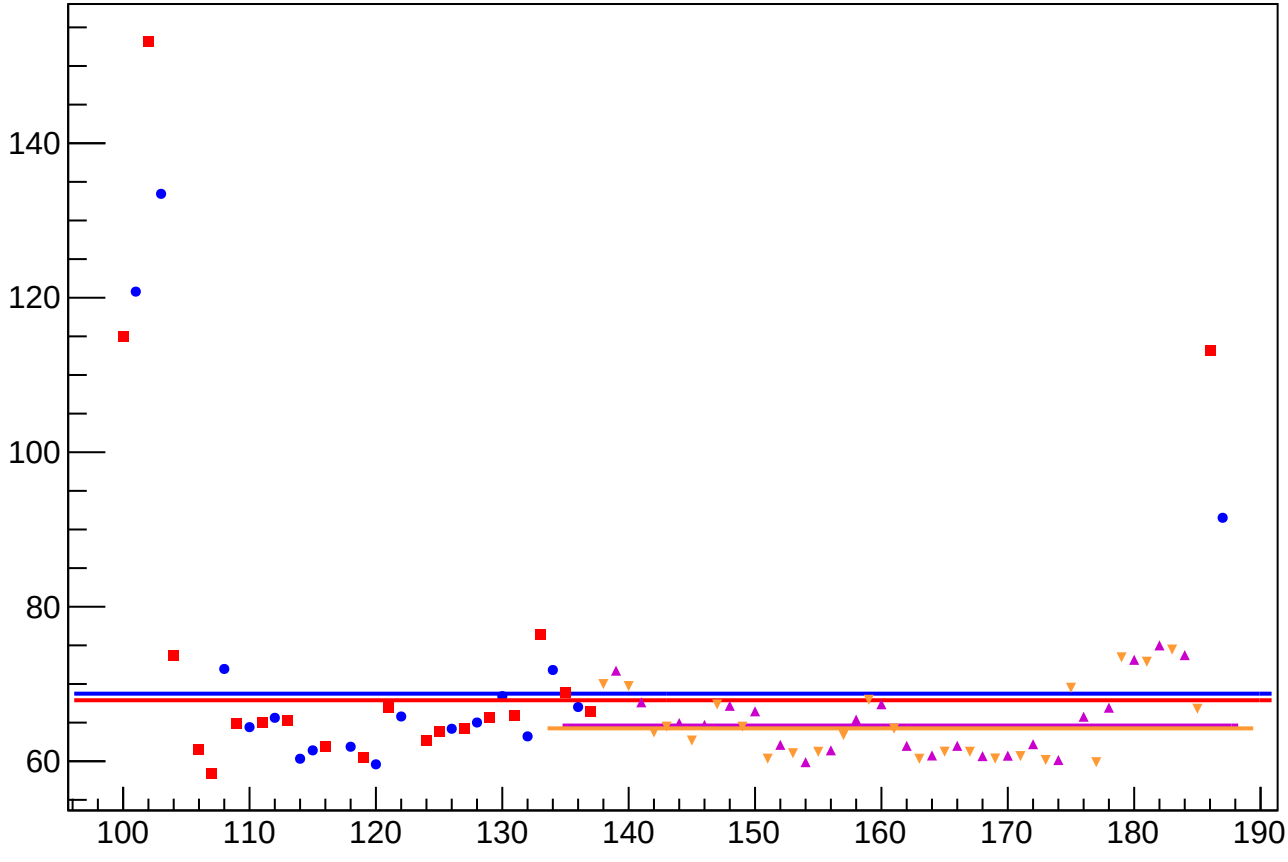
Right: -44.588+/-17.935 χ^2/NDF: 42.7/36

In: 54.120+/-13.063 χ^2/NDF:65.6/39

Out: 67.509+/-12.621 χ^2/NDF:86.0/44

All: 61.045+/-9.077 χ^2/NDF: 152.2/84

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.748+/-0.018 χ^2/NDF: 593000.0/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 67.894+/-0.018 χ^2/NDF: 615784.5/19

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

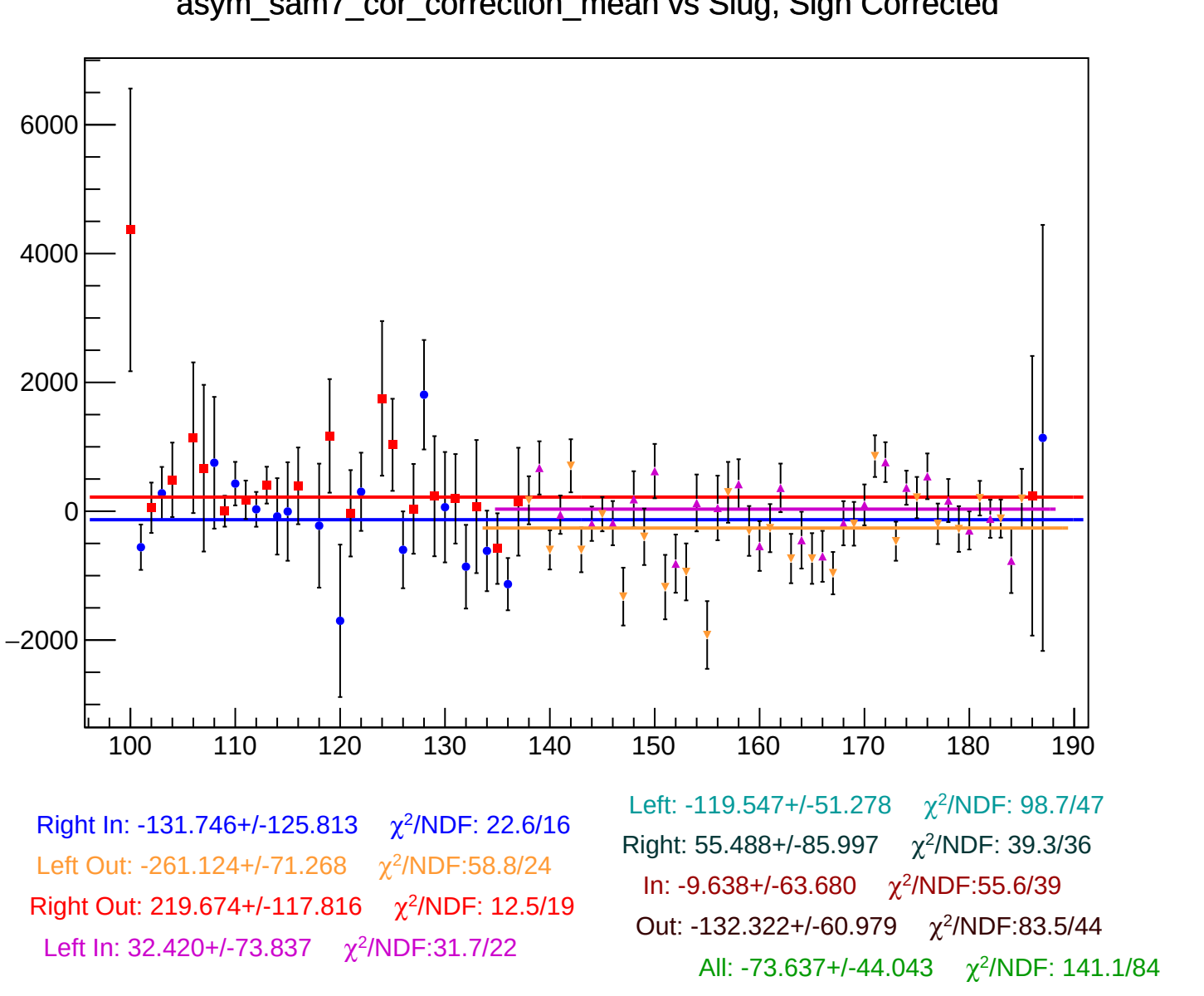
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 68.305+/-0.013 χ^2/NDF: 1209915.2/36

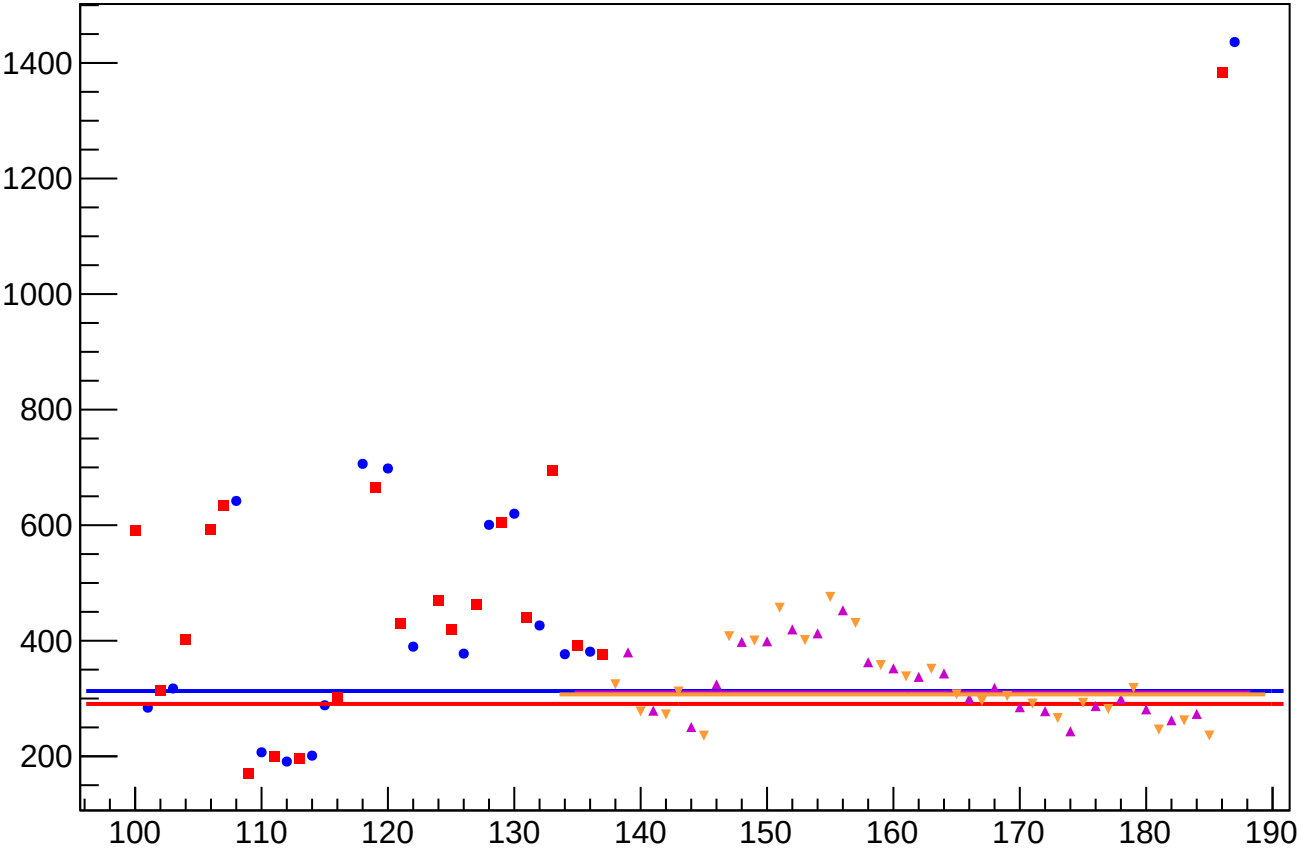
In: 65.674+/-0.009 χ^2/NDF:778131.6/39

Out: 65.191+/-0.009 χ^2/NDF:825220.5/44

All: 65.424+/-0.006 χ^2/NDF: 1604769.9/84


asym_sam7_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: -131.746+/-125.813 χ²/NDF: 22.6/16
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 219.674+/-117.816 χ²/NDF: 12.5/19
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 55.488+/-85.997 χ²/NDF: 39.3/36
In: -9.638+/-63.680 χ²/NDF:55.6/39
Out: -132.322+/-60.979 χ²/NDF:83.5/44
All: -73.637+/-44.043 χ²/NDF: 141.1/84

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 313.016+/-0.089 χ^2/NDF: 2354849.7/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 290.640+/-0.083 χ^2/NDF: 3198176.8/19

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

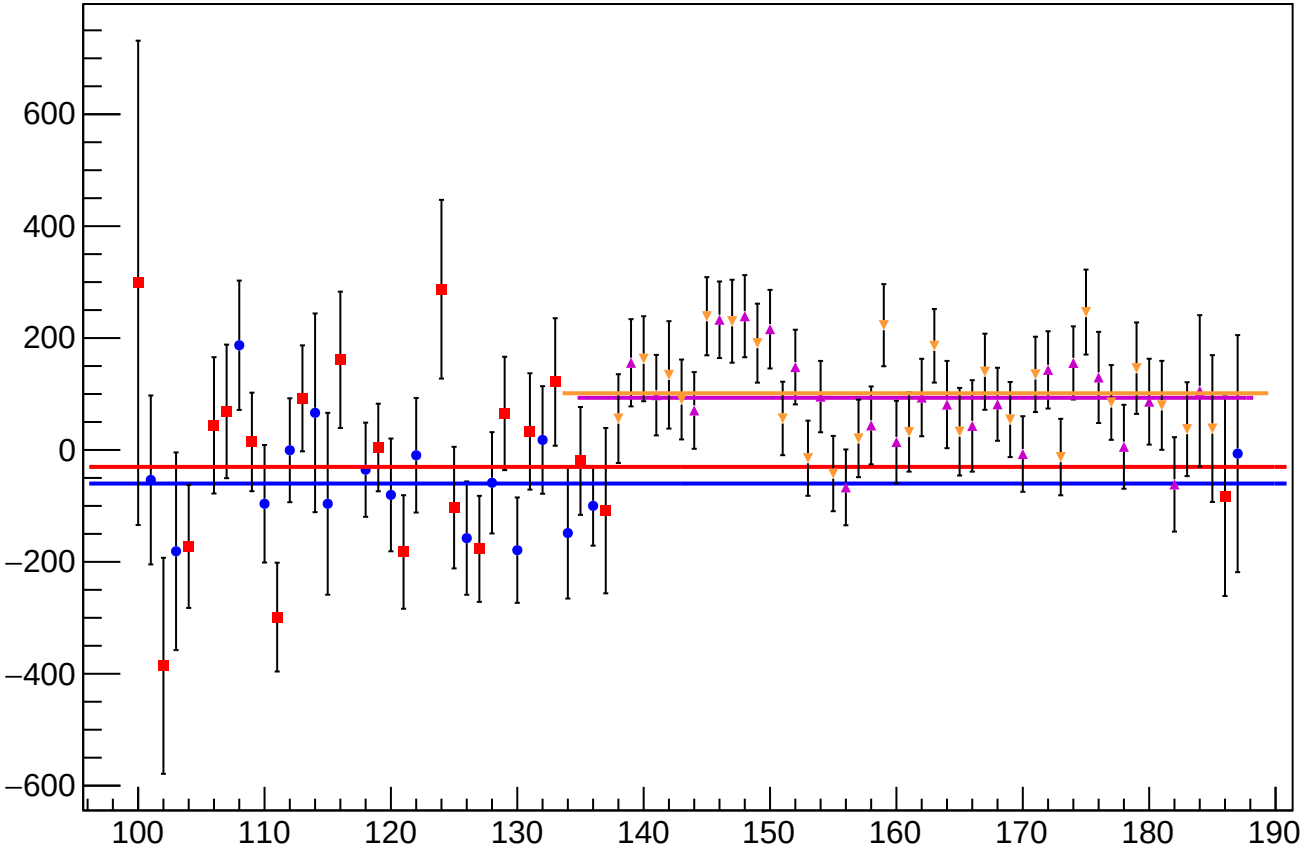
Right: 301.094+/-0.061 χ^2/NDF: 5586731.5/36

In: 311.292+/-0.045 χ^2/NDF:3434834.7/39

Out: 302.722+/-0.043 χ^2/NDF:4547052.9/44

All: 306.821+/-0.031 χ^2/NDF: 8000780.9/84

eigen_cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.039+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -30.264+/-24.897 χ^2/NDF: 31.4/19

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

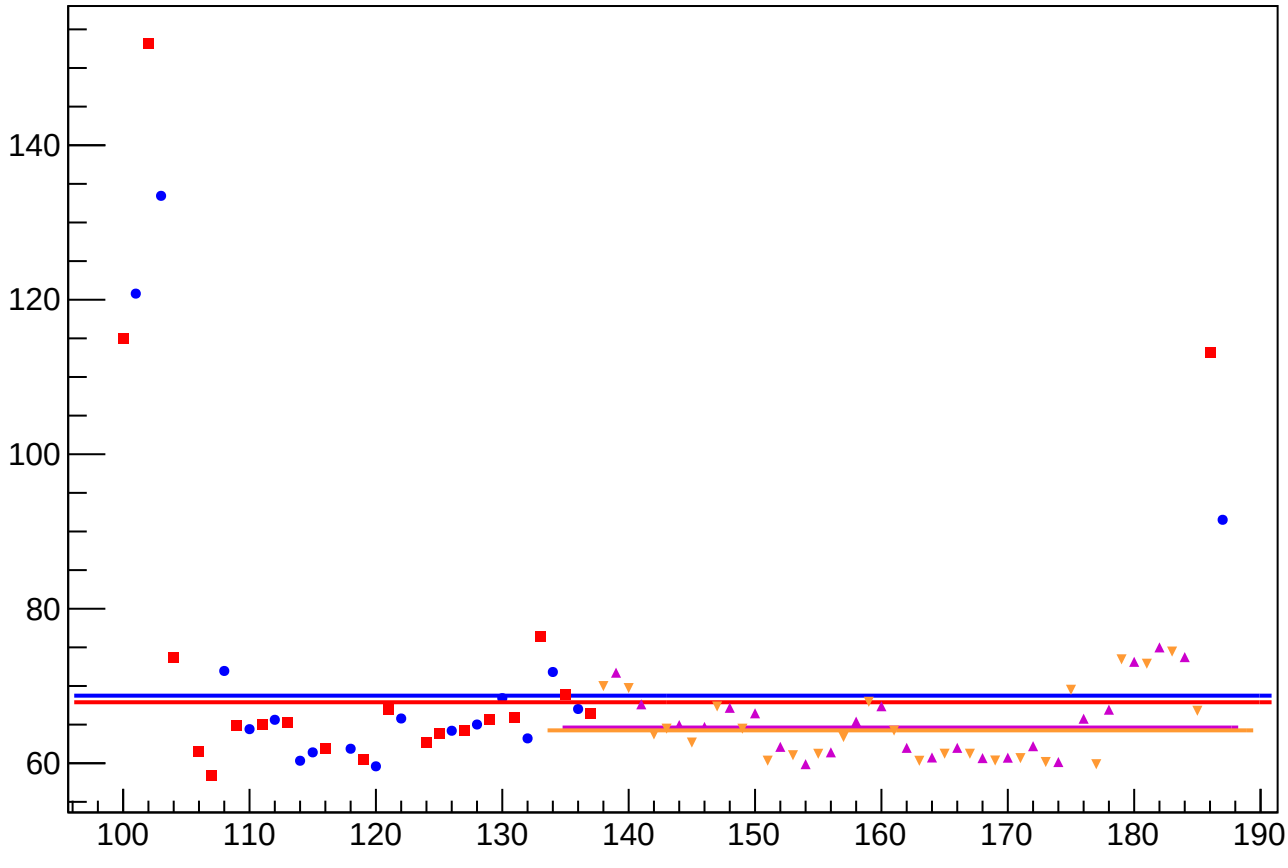
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -44.588+/-17.935 χ^2/NDF: 42.7/36

In: 54.120+/-13.063 χ^2/NDF:65.6/39

Out: 67.509+/-12.621 χ^2/NDF:86.0/44

All: 61.045+/-9.077 χ^2/NDF: 152.2/84



Right In: 68.748+/-0.018 χ^2/NDF: 593000.0/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 67.894+/-0.018 χ^2/NDF: 615784.5/19

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

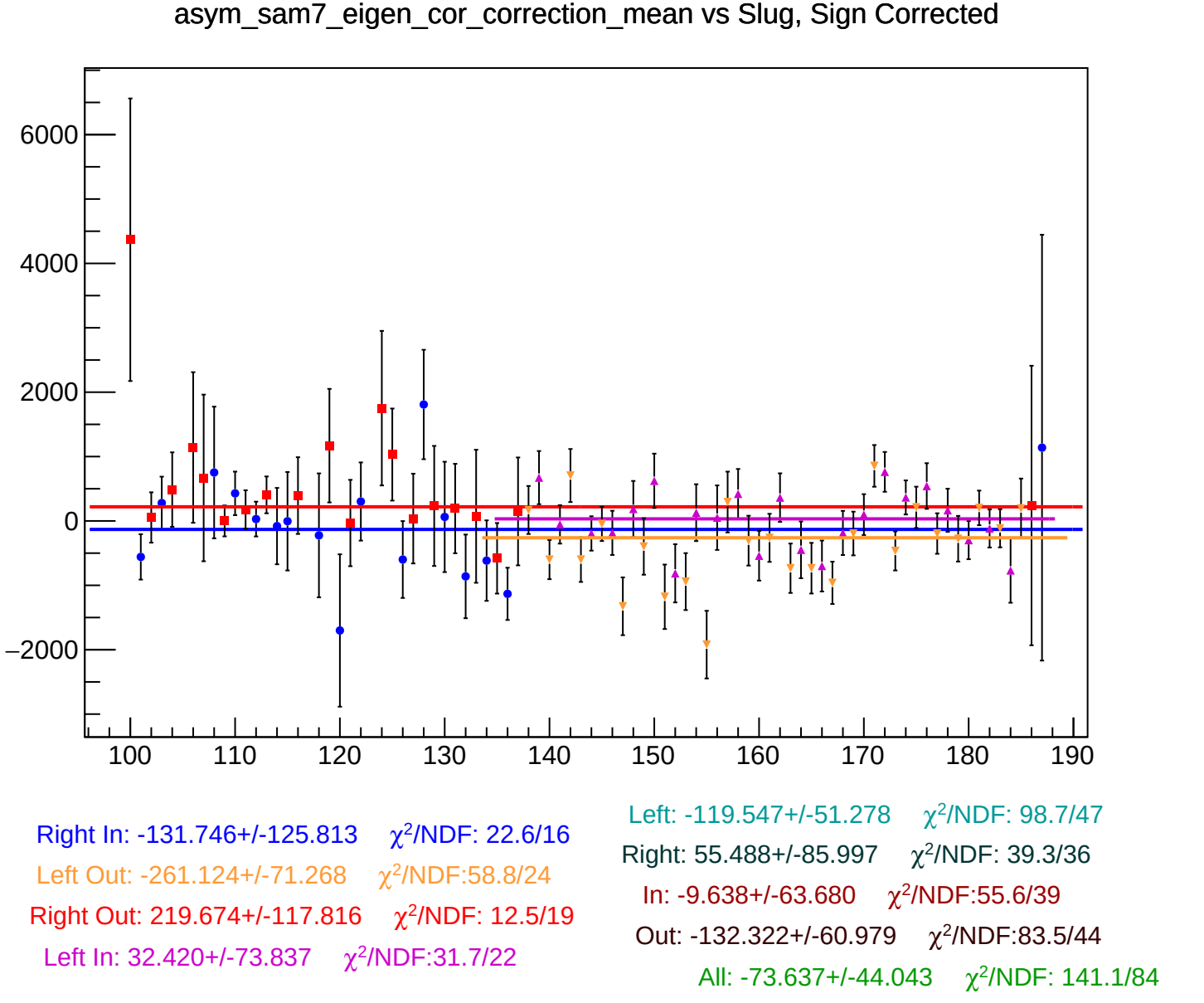
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

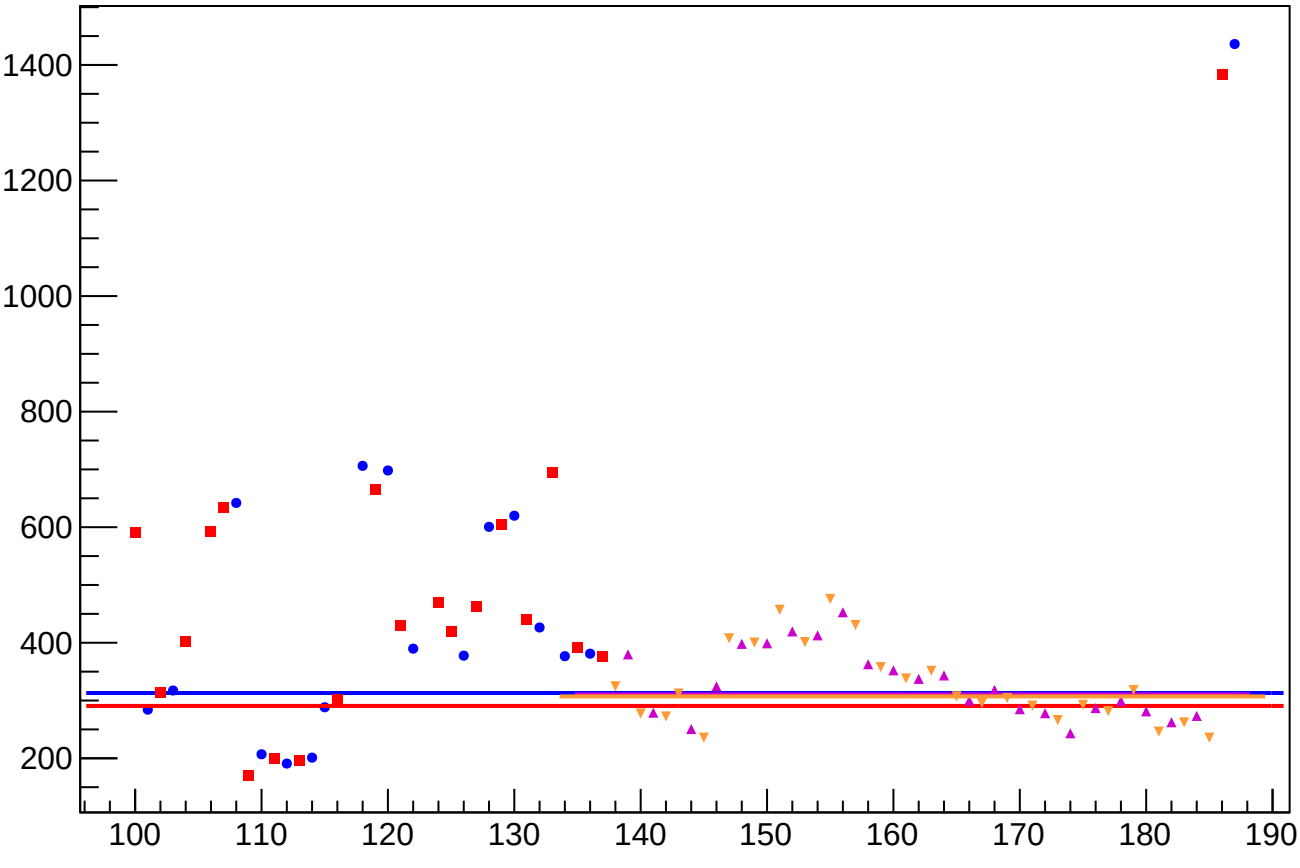
Right: 68.305+/-0.013 χ^2/NDF: 1209915.2/36

In: 65.674+/-0.009 χ^2/NDF:778131.6/39

Out: 65.191+/-0.009 χ^2/NDF:825220.5/44

All: 65.424+/-0.006 χ^2/NDF: 1604769.9/84


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: -131.746+/-125.813 χ²/NDF: 22.6/16
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 219.674+/-117.816 χ²/NDF: 12.5/19
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 55.488+/-85.997 χ²/NDF: 39.3/36
In: -9.638+/-63.680 χ²/NDF:55.6/39
Out: -132.322+/-60.979 χ²/NDF:83.5/44
All: -73.637+/-44.043 χ²/NDF: 141.1/84



Right In: 313.016+/-0.089 χ^2/NDF: 2354849.7/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 290.640+/-0.083 χ^2/NDF: 3198176.8/19

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

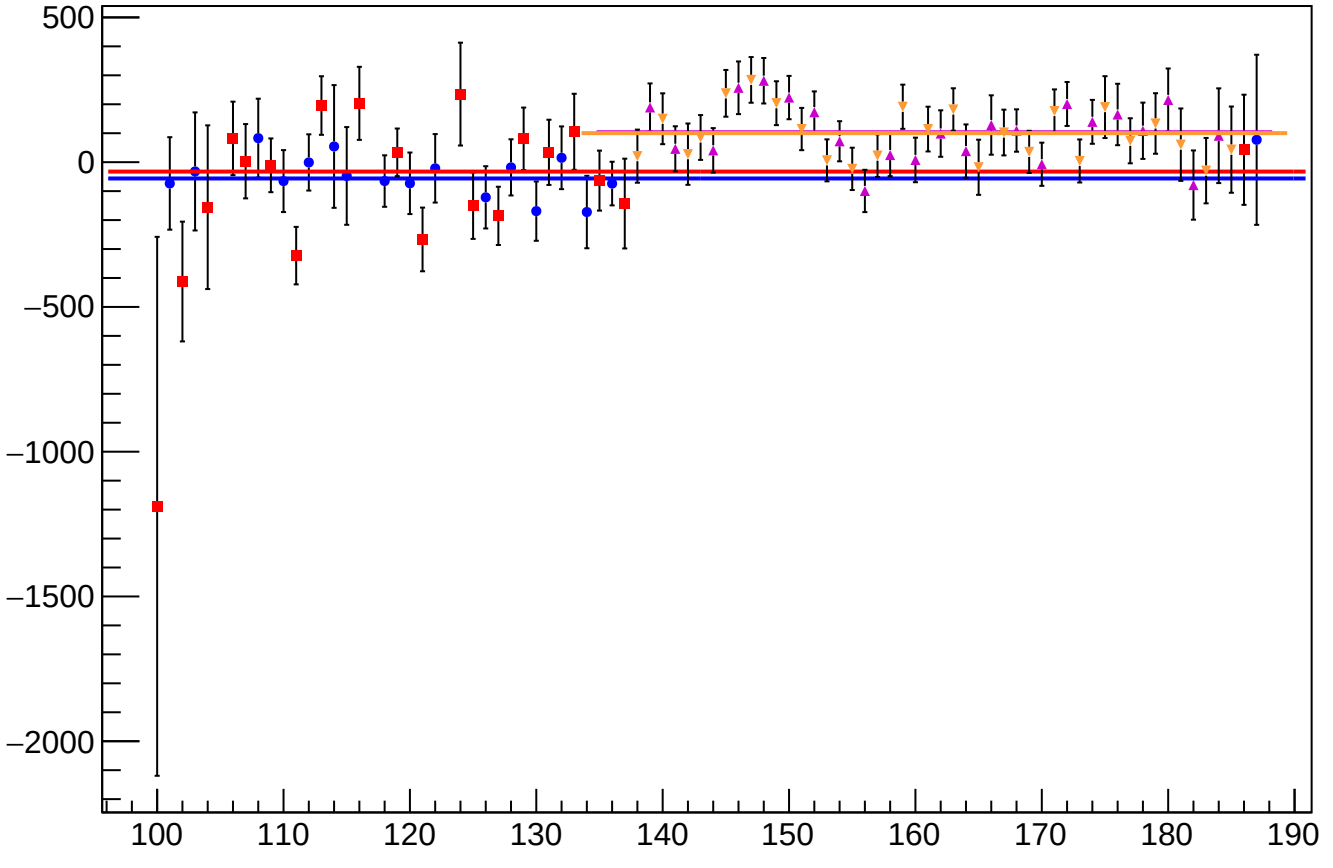
Right: 301.094+/-0.061 χ^2/NDF: 5586731.5/36

In: 311.292+/-0.045 χ^2/NDF:3434834.7/39

Out: 302.722+/-0.043 χ^2/NDF:4547052.9/44

All: 306.821+/-0.031 χ^2/NDF: 8000780.9/84

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -56.311+/-27.959 χ^2/NDF: 5.1/16

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -32.471+/-27.118 χ^2/NDF: 37.3/19

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

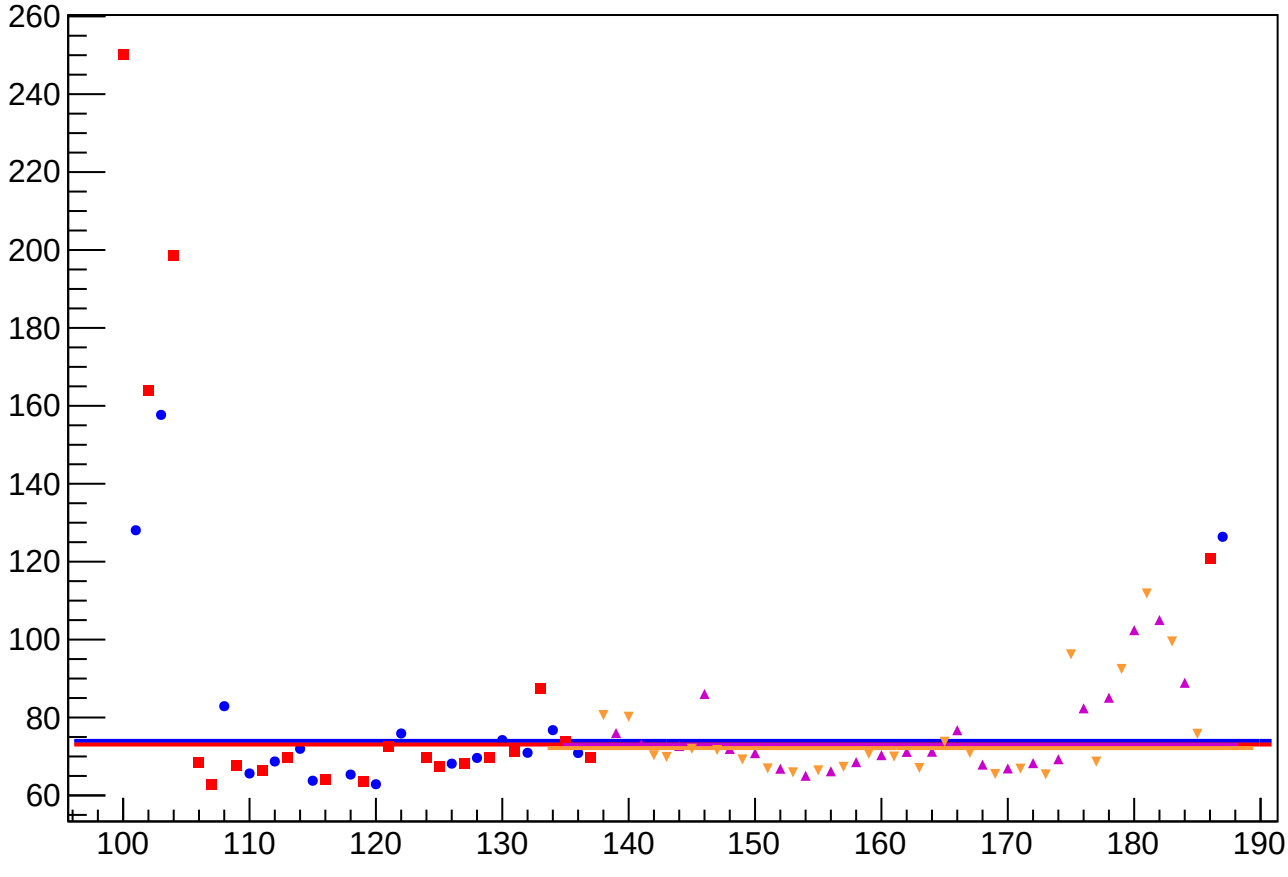
Right: -44.027+/-19.466 χ^2/NDF: 42.8/36

In: 59.302+/-14.687 χ^2/NDF:61.4/39

Out: 64.013+/-14.174 χ^2/NDF:82.4/44

All: 61.741+/-10.199 χ^2/NDF: 143.9/84

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.998+/-0.020 χ^2/NDF: 721018.0/16

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 73.064+/-0.019 χ^2/NDF: 1086981.6/19

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

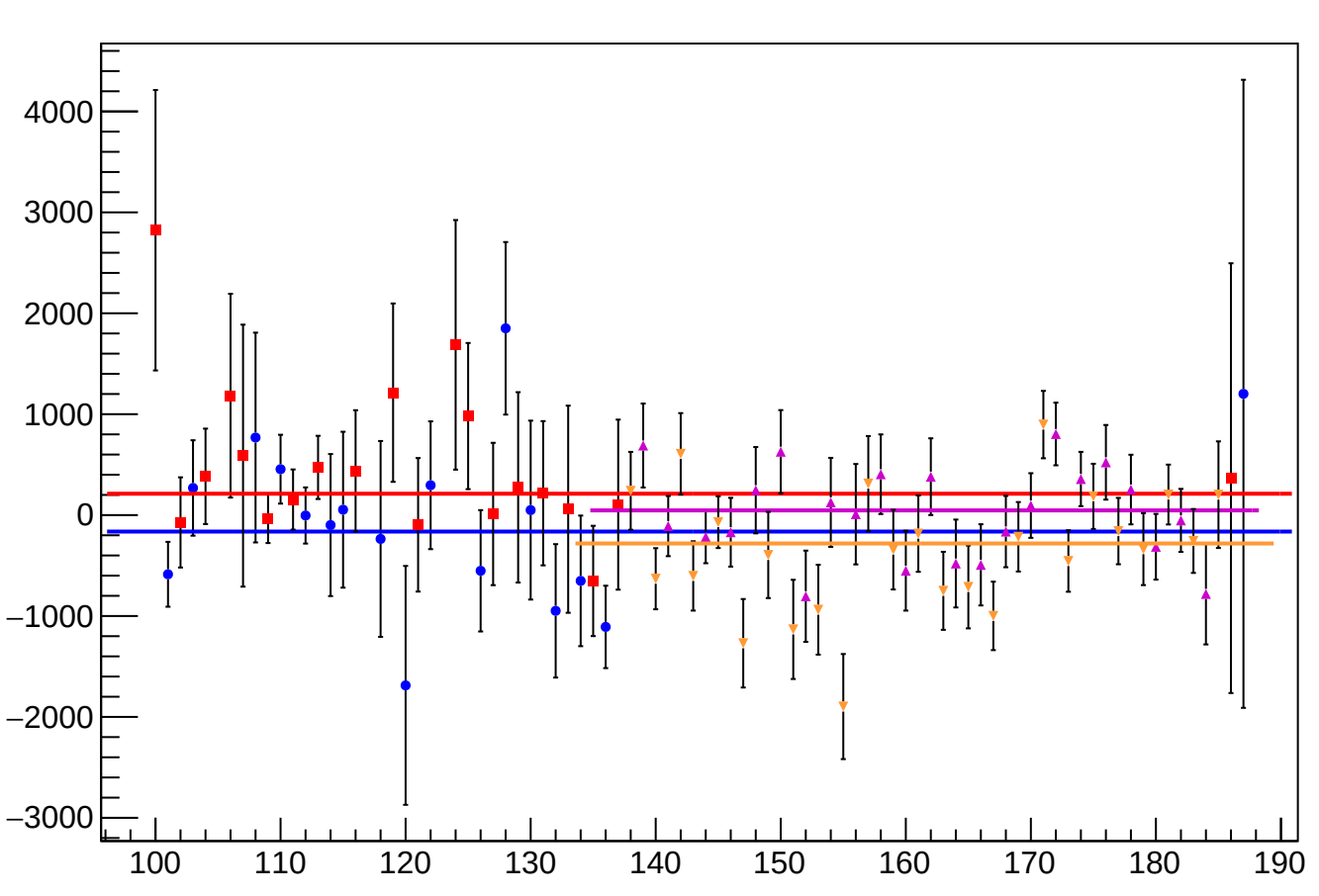
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 73.517+/-0.014 χ^2/NDF: 1809149.4/36

In: 73.238+/-0.010 χ^2/NDF:1232087.0/39

Out: 72.399+/-0.010 χ^2/NDF:1730604.1/44

All: 72.804+/-0.007 χ^2/NDF: 2966066.0/84



Right In: -163.175+/-128.328 χ^2/NDF: 22.8/16

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 211.838+/-119.931 χ^2/NDF: 13.6/19

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

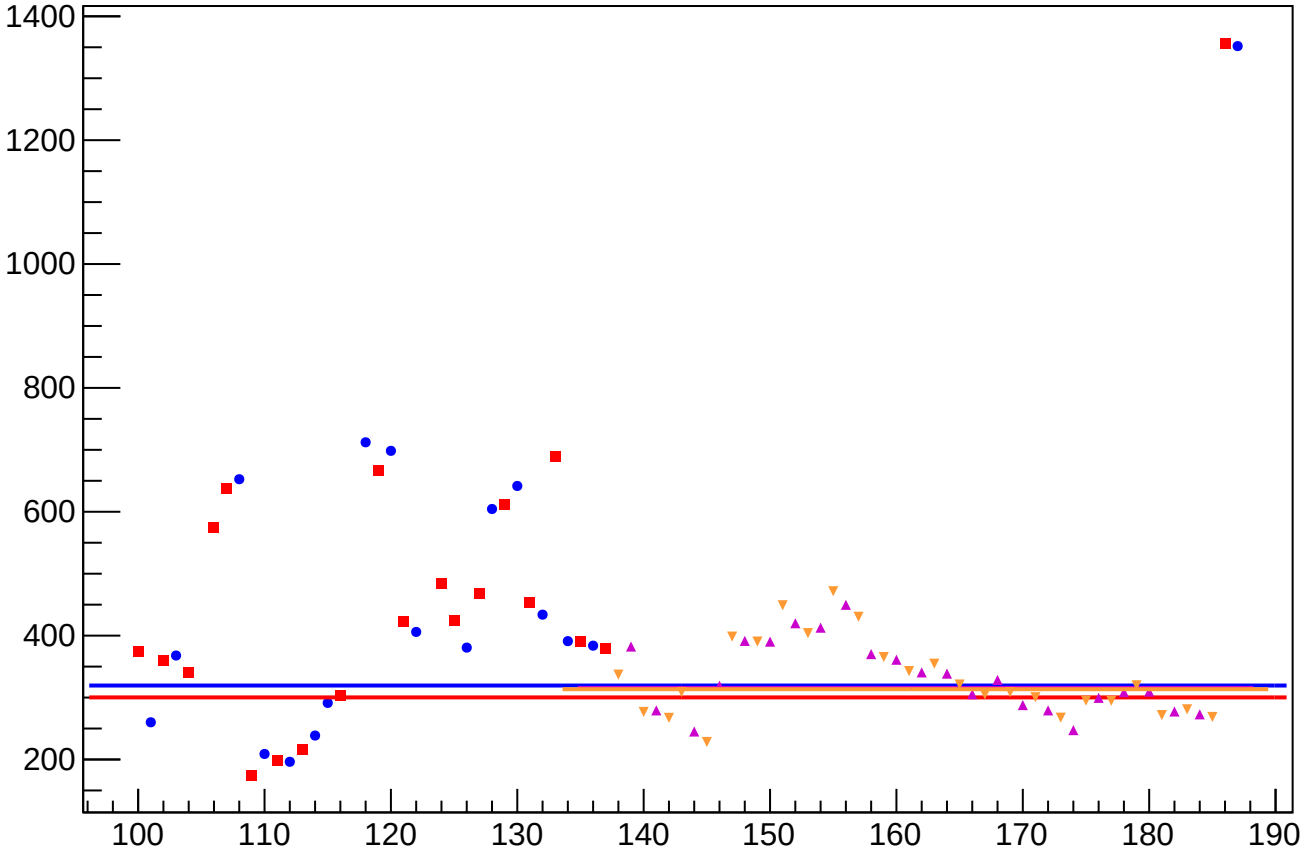
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 37.002+/-87.622 χ^2/NDF: 41.0/36

In: -6.723+/-64.686 χ^2/NDF:55.6/39

Out: -149.149+/-62.068 χ^2/NDF:82.8/44

All: -80.877+/-44.786 χ^2/NDF: 140.9/84



Right In: 319.422+/-0.091 χ^2/NDF: 2356696.6/16

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 300.247+/-0.085 χ^2/NDF: 3034160.3/19

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

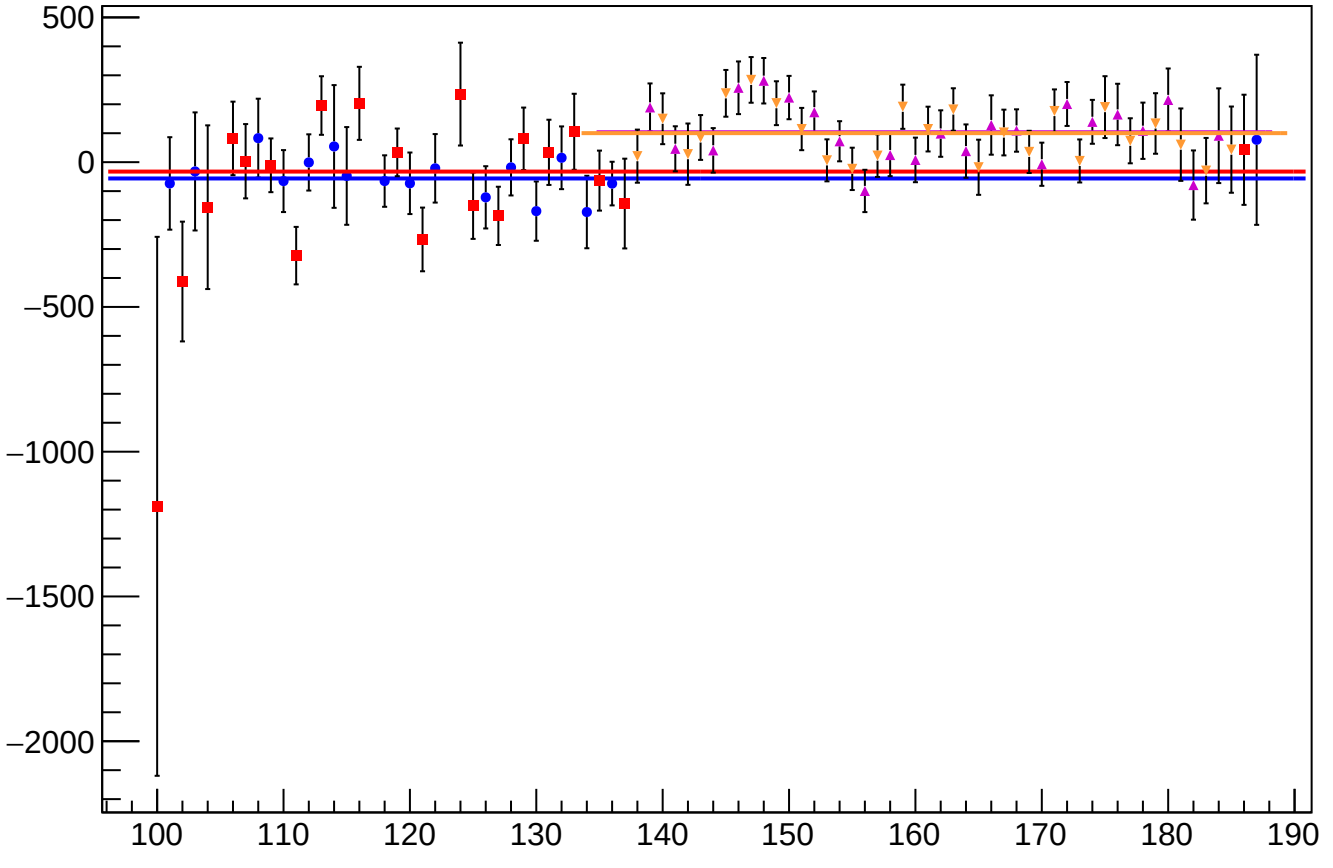
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 309.187+/-0.062 χ^2/NDF: 5414692.6/36

In: 316.463+/-0.046 χ^2/NDF:3366645.4/39

Out: 309.951+/-0.044 χ^2/NDF:4227570.7/44

All: 313.072+/-0.032 χ^2/NDF: 7604771.4/84



Right In: -56.311+/-27.959 χ^2/NDF: 5.1/16

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -32.473+/-27.118 χ^2/NDF: 37.3/19

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

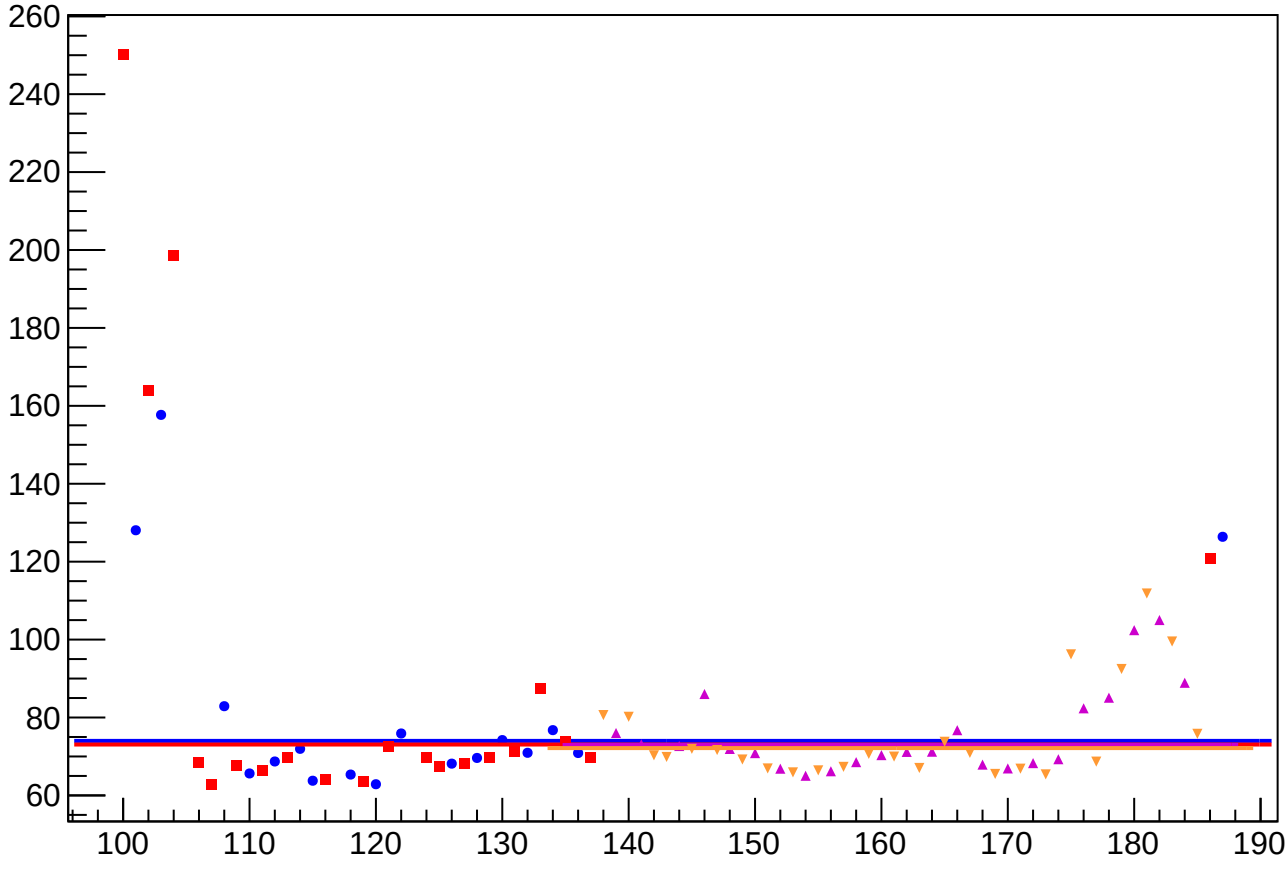
Right: -44.028+/-19.466 χ^2/NDF: 42.8/36

In: 59.302+/-14.687 χ^2/NDF:61.4/39

Out: 64.013+/-14.174 χ^2/NDF:82.4/44

All: 61.741+/-10.199 χ^2/NDF: 143.9/84

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.998+/-0.020 χ^2/NDF: 721023.7/16

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 73.064+/-0.019 χ^2/NDF: 1086979.6/19

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

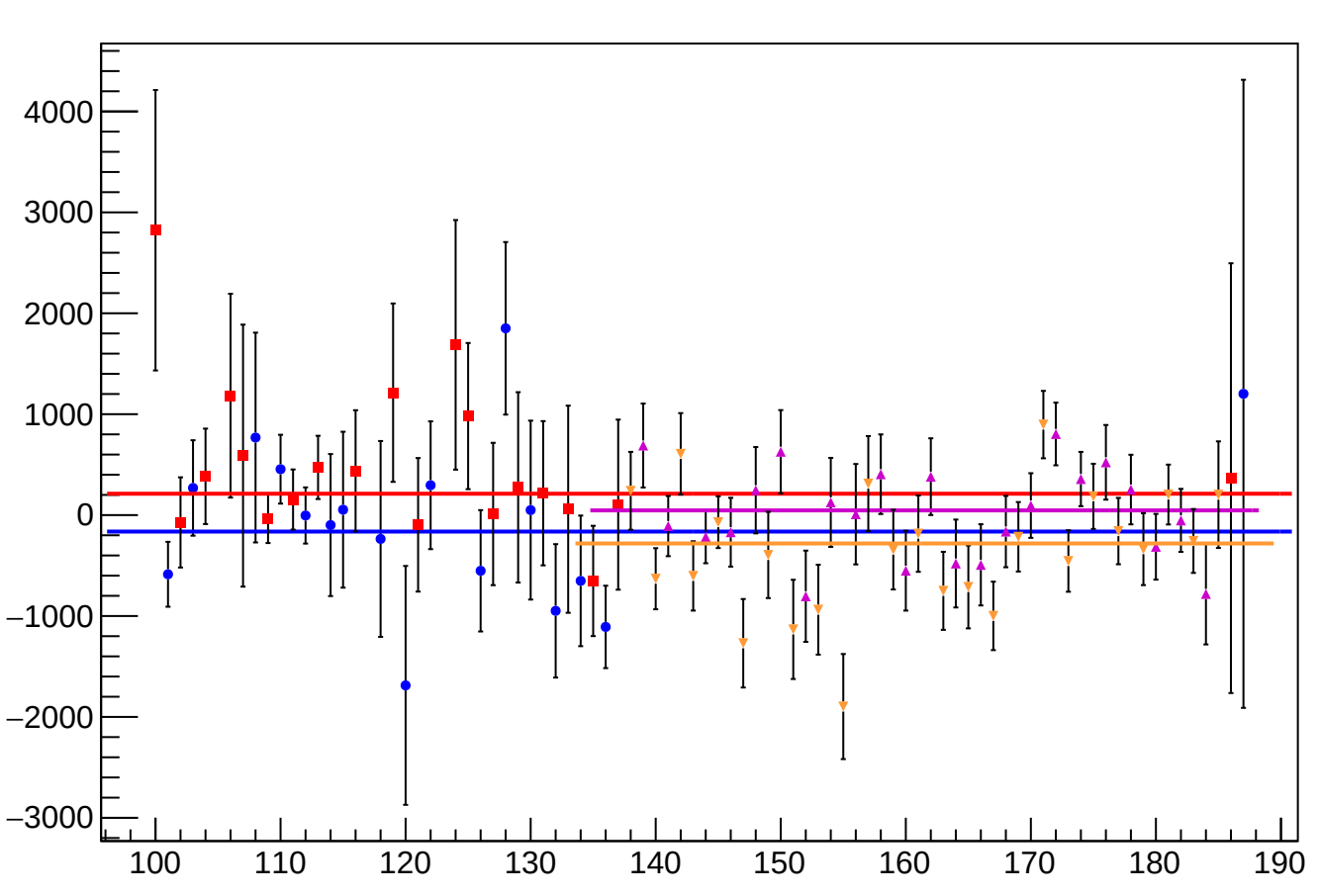
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 73.517+/-0.014 χ^2/NDF: 1809153.0/36

In: 73.238+/-0.010 χ^2/NDF:1232092.8/39

Out: 72.399+/-0.010 χ^2/NDF:1730599.0/44

All: 72.804+/-0.007 χ^2/NDF: 2966066.6/84



Right In: -163.173+/-128.327 χ^2/NDF: 22.8/16

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 211.837+/-119.930 χ^2/NDF: 13.6/19

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

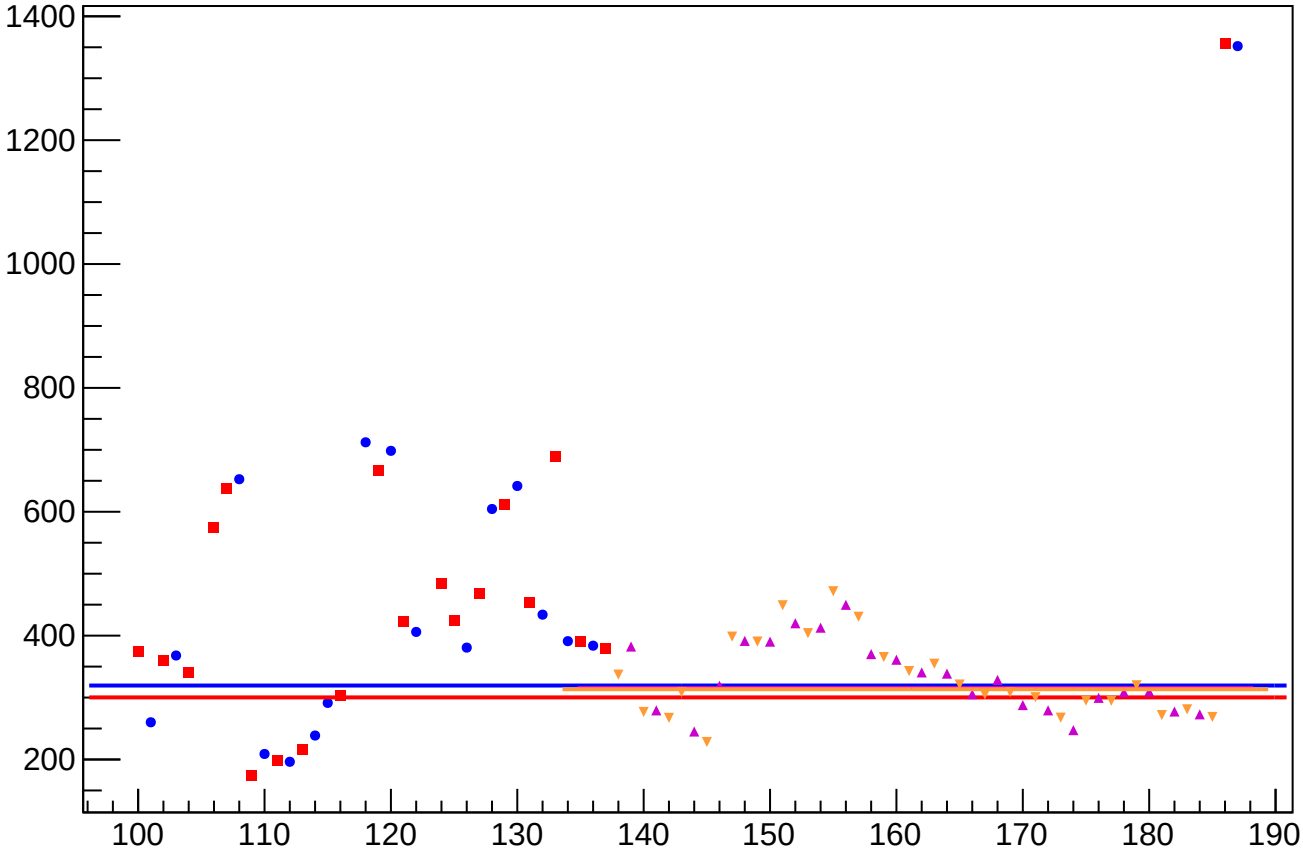
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 37.002+/-87.622 χ^2/NDF: 41.0/36

In: -6.724+/-64.686 χ^2/NDF:55.6/39

Out: -149.149+/-62.068 χ^2/NDF:82.8/44

All: -80.877+/-44.786 χ^2/NDF: 140.9/84



Right In: 319.420+/-0.091 χ^2/NDF: 2356728.8/16

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 300.246+/-0.085 χ^2/NDF: 3034172.6/19

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

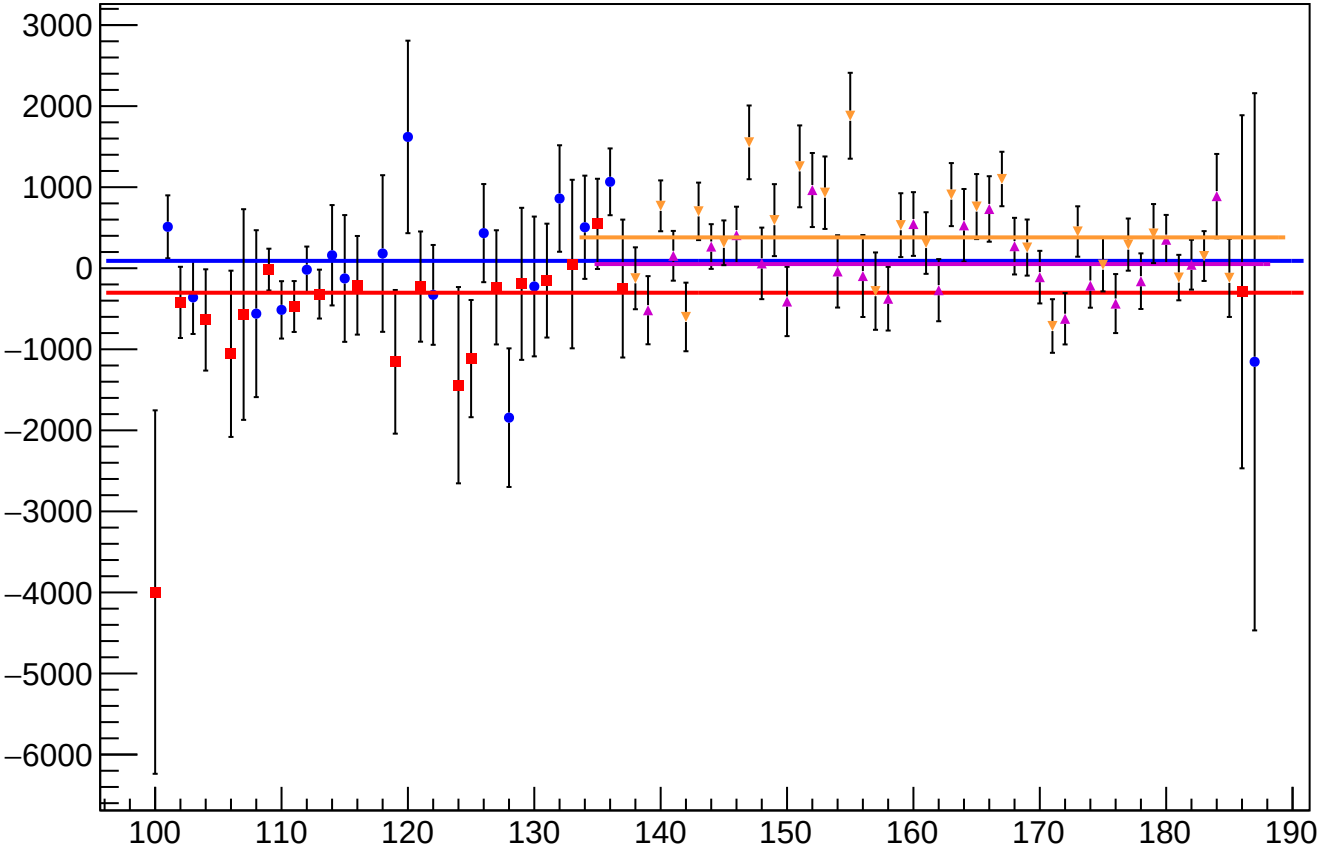
Right: 309.185+/-0.062 χ^2/NDF: 5414734.9/36

In: 316.463+/-0.046 χ^2/NDF:3366674.4/39

Out: 309.950+/-0.044 χ^2/NDF:4227592.6/44

All: 313.072+/-0.032 χ^2/NDF: 7604822.4/84

asym_sam7_mean vs Slug, Sign Corrected



Right In: 90.830+/-131.823 χ^2/NDF: 21.0/16

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -302.235+/-123.716 χ^2/NDF: 10.8/19

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

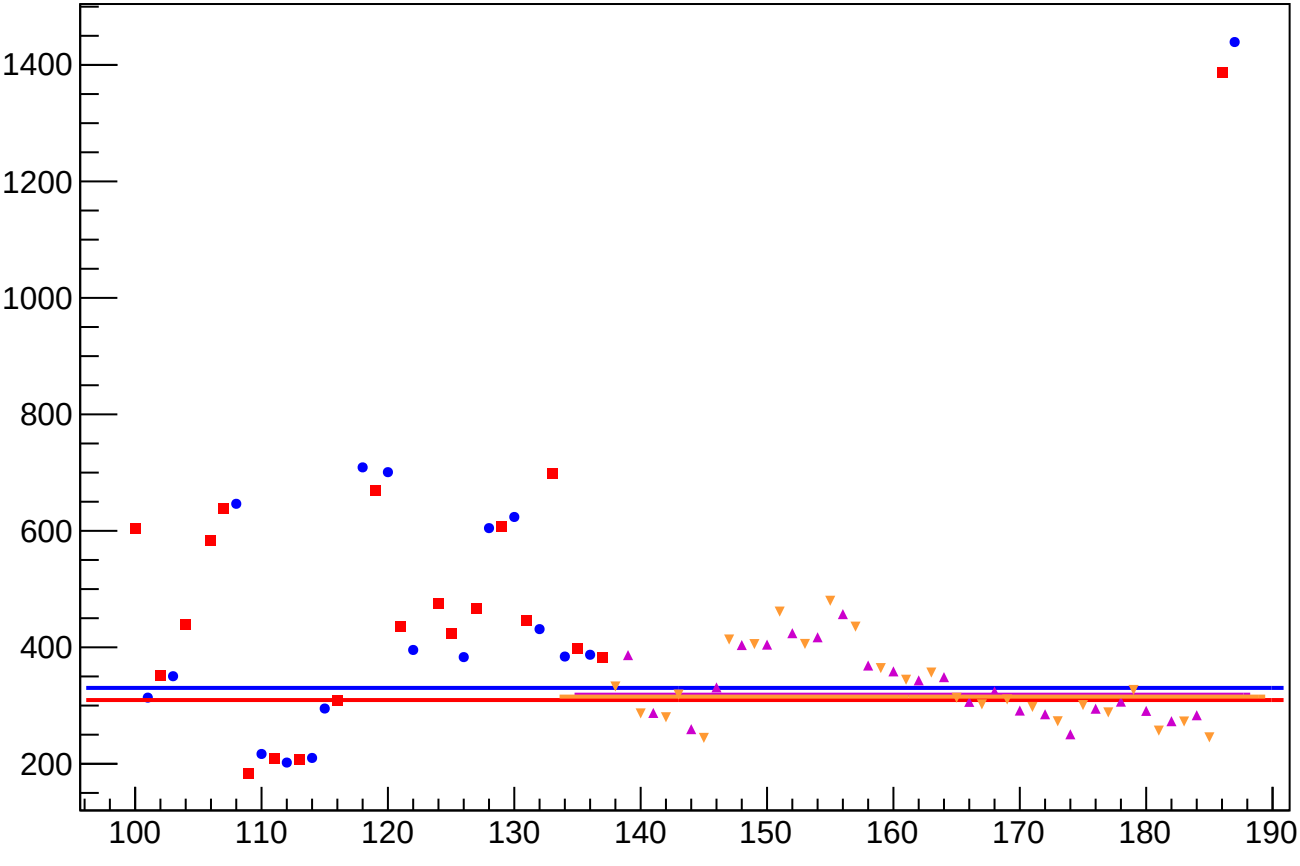
Right: -118.159+/-90.211 χ^2/NDF: 36.5/36

In: 61.220+/-65.600 χ^2/NDF:49.2/39

Out: 204.070+/-62.907 χ^2/NDF:88.8/44

All: 135.637+/-45.404 χ^2/NDF: 140.5/84

asym_sam7_rms vs Slug, Sign Corrected



Right In: 330.324+/-0.093 χ^2/NDF: 2183171.7/16

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 309.478+/-0.087 χ^2/NDF: 3019120.8/19

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

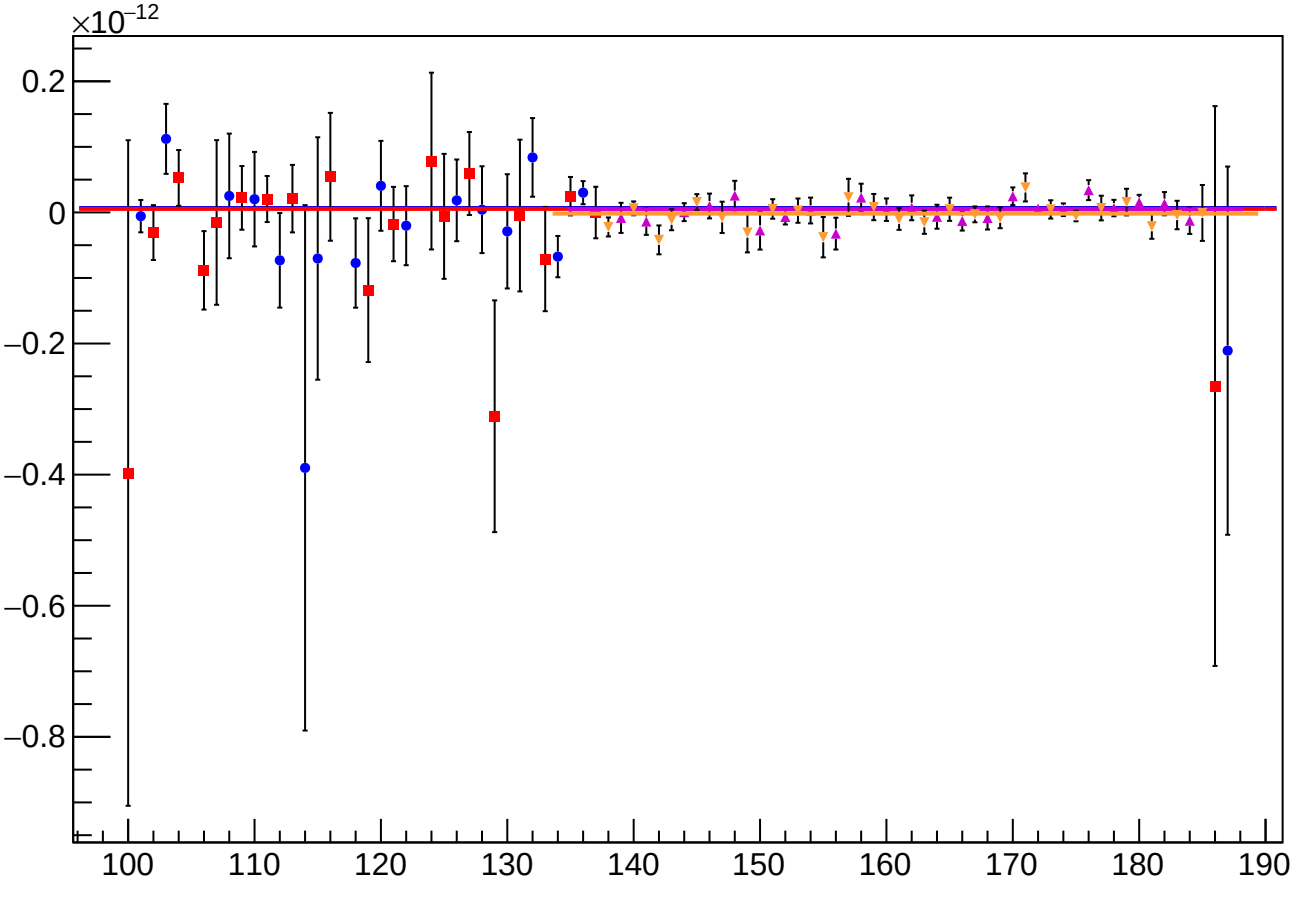
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 319.240+/-0.064 χ^2/NDF: 5228884.7/36

In: 321.570+/-0.046 χ^2/NDF:3186499.7/39

Out: 313.866+/-0.044 χ^2/NDF:4232619.6/44

All: 317.556+/-0.032 χ^2/NDF: 7433489.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/19

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

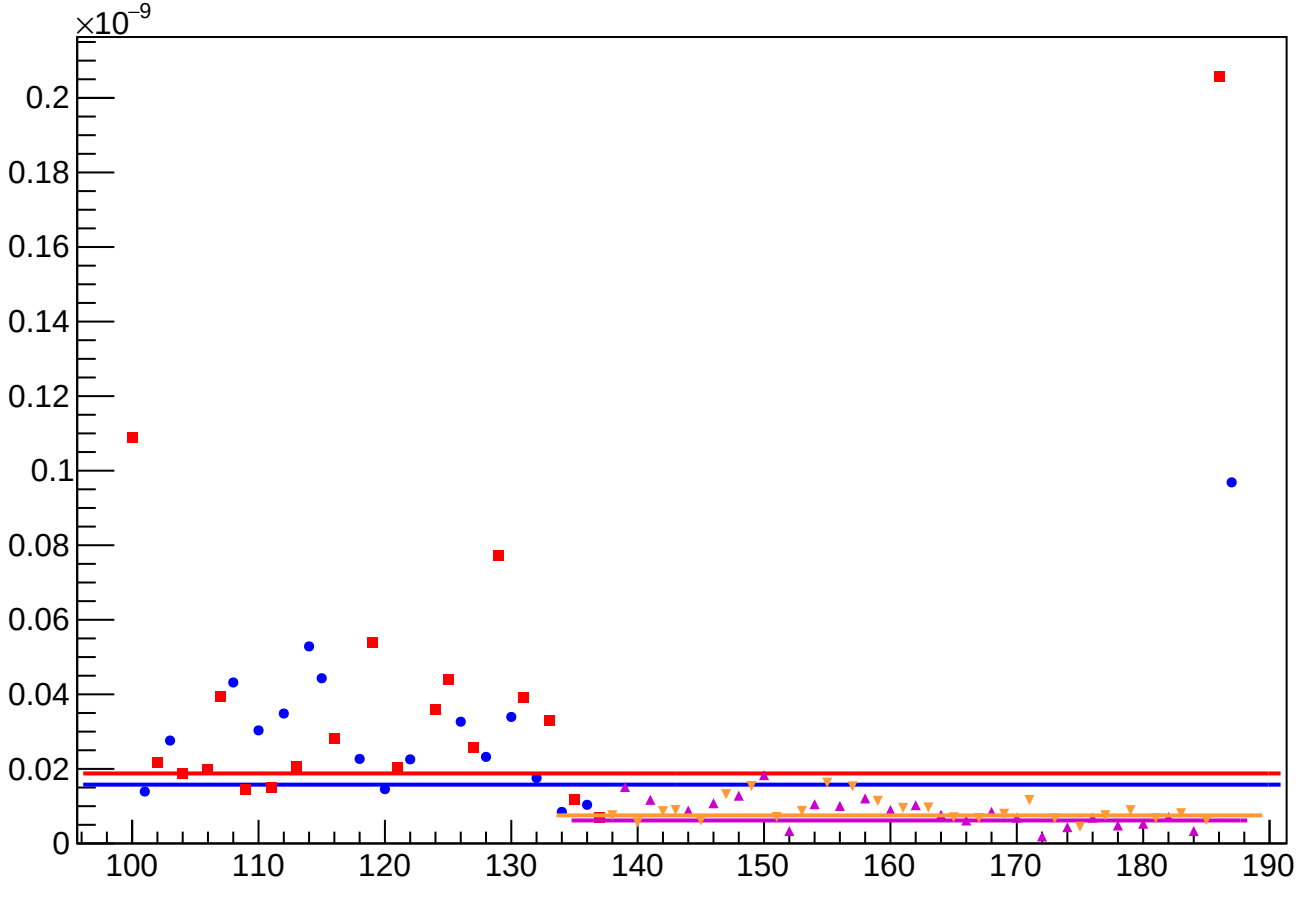
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 31.5/36

In: 0.000+/-0.000 χ^2/NDF:36.0/39

Out: -0.000+/-0.000 χ^2/NDF:32.5/44

All: 0.000+/-0.000 χ^2/NDF: 70.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 1331347.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1612659.2/19

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

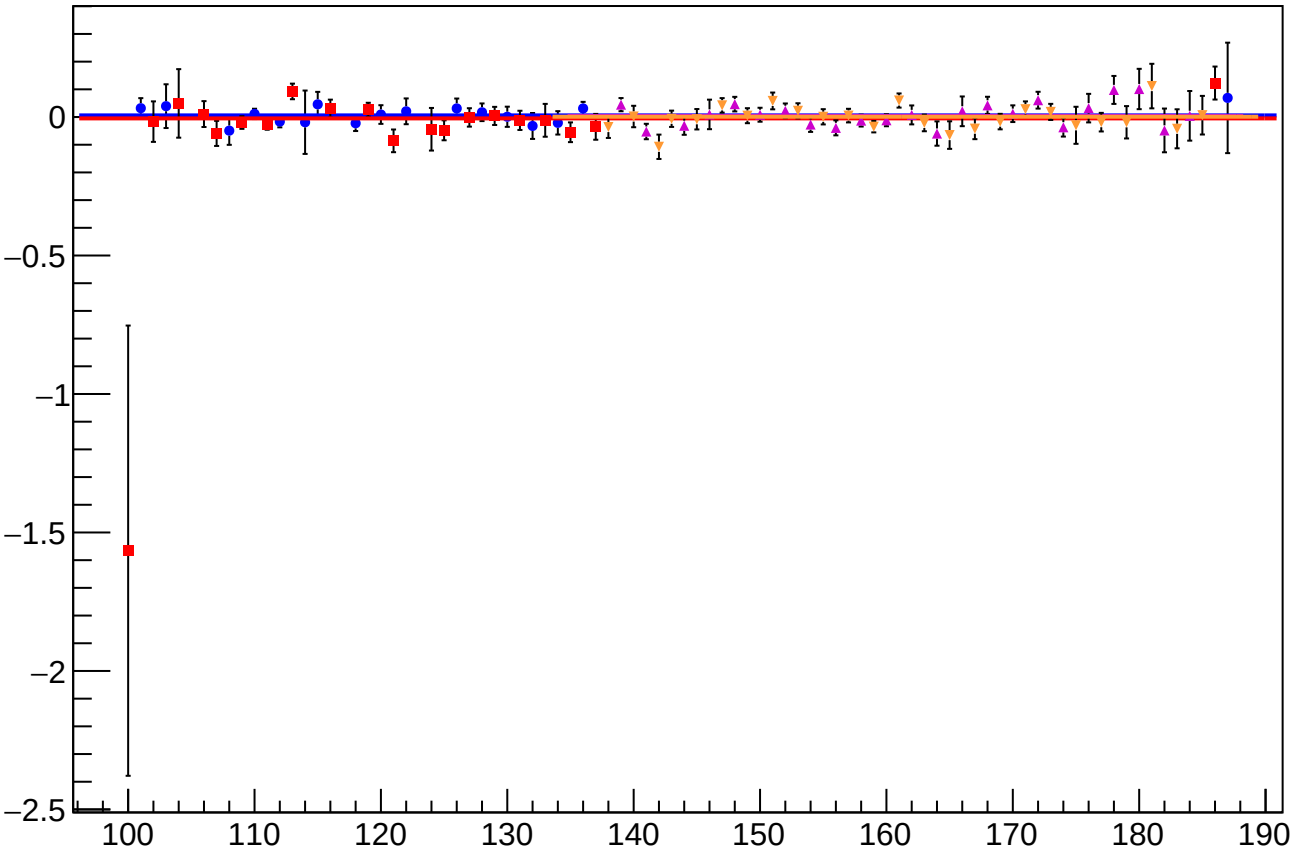
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3007534.6/36

In: 0.000+/-0.000 χ^2/NDF:5548488.8/39

Out: 0.000+/-0.000 χ^2/NDF:4267699.6/44

All: 0.000+/-0.000 χ^2/NDF: 10016477.9/84



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/19

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

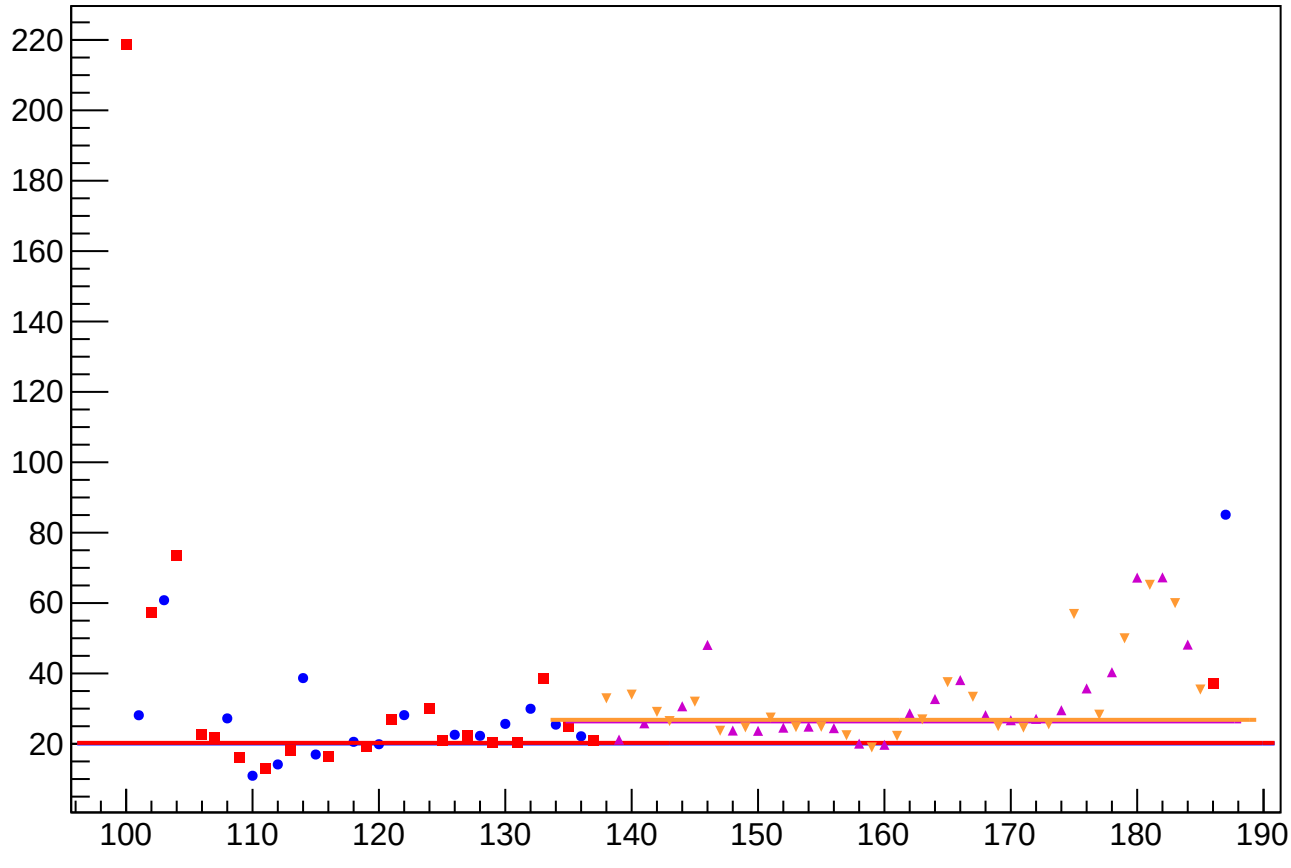
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.006 χ^2/NDF: 43.4/36

In: 0.005+/-0.005 χ^2/NDF:39.1/39

Out: -0.001+/-0.005 χ^2/NDF:65.1/44

All: 0.002+/-0.004 χ^2/NDF: 104.9/84



Right In: 20.109+/-0.006 χ^2/NDF: 1854196.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.277+/-0.006 χ^2/NDF: 1882591.8/19

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

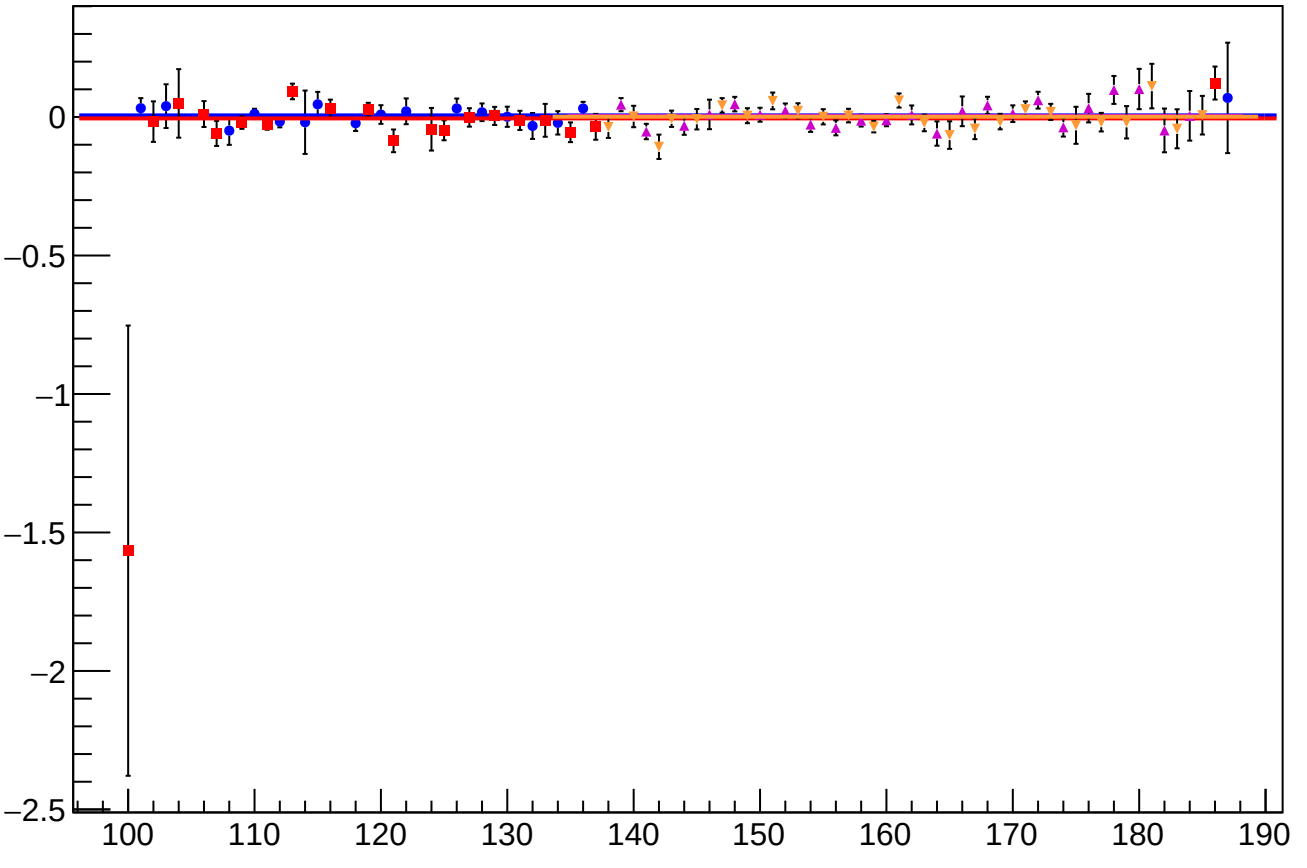
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 20.194+/-0.004 χ^2/NDF: 3737219.1/36

In: 23.897+/-0.004 χ^2/NDF:5133401.5/39

Out: 24.229+/-0.004 χ^2/NDF:5156406.2/44

All: 24.066+/-0.003 χ^2/NDF: 10294065.5/84



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/19

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

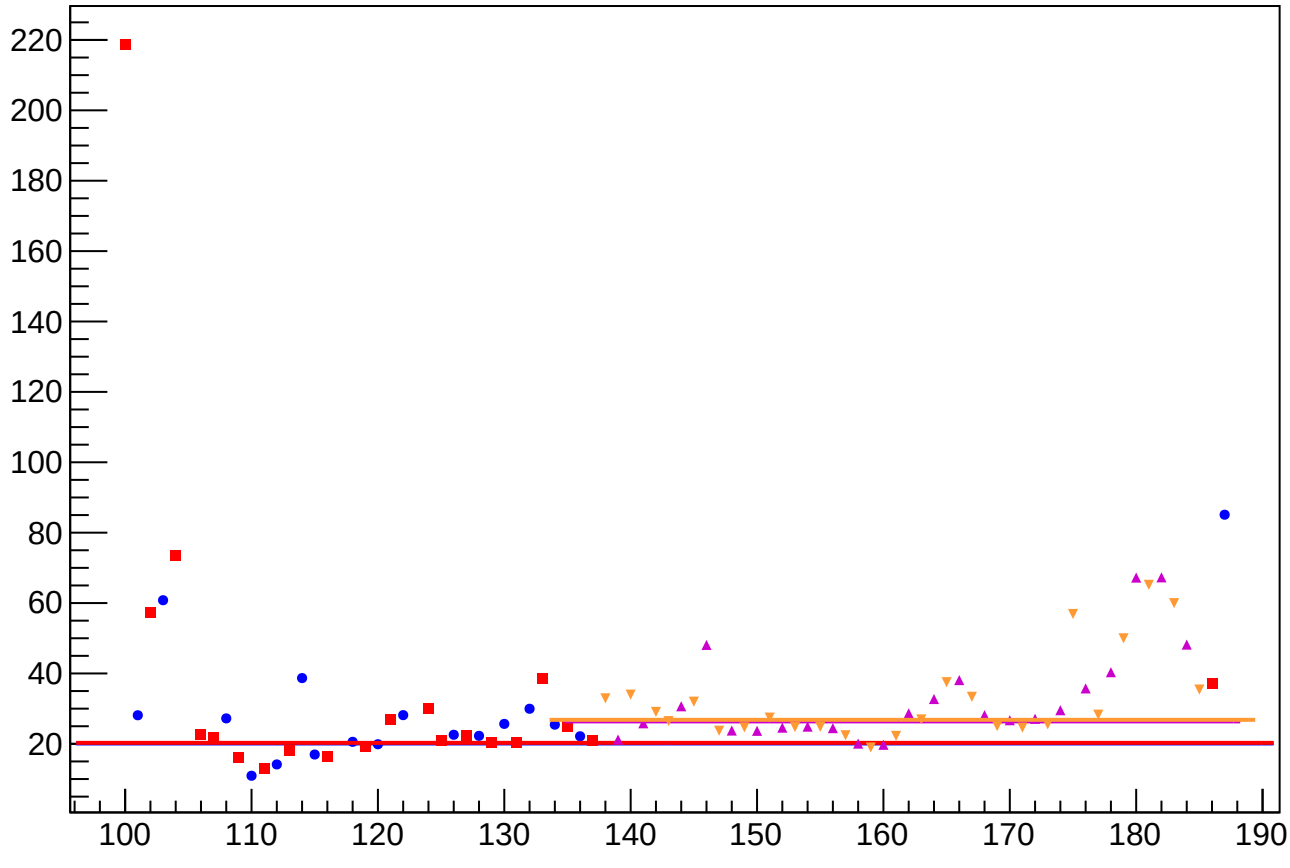
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.006 χ^2/NDF: 43.4/36

In: 0.005+/-0.005 χ^2/NDF:39.1/39

Out: -0.001+/-0.005 χ^2/NDF:65.1/44

All: 0.002+/-0.004 χ^2/NDF: 104.9/84



Right In: 20.109+/-0.006 χ^2/NDF: 1854196.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.277+/-0.006 χ^2/NDF: 1882591.8/19

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

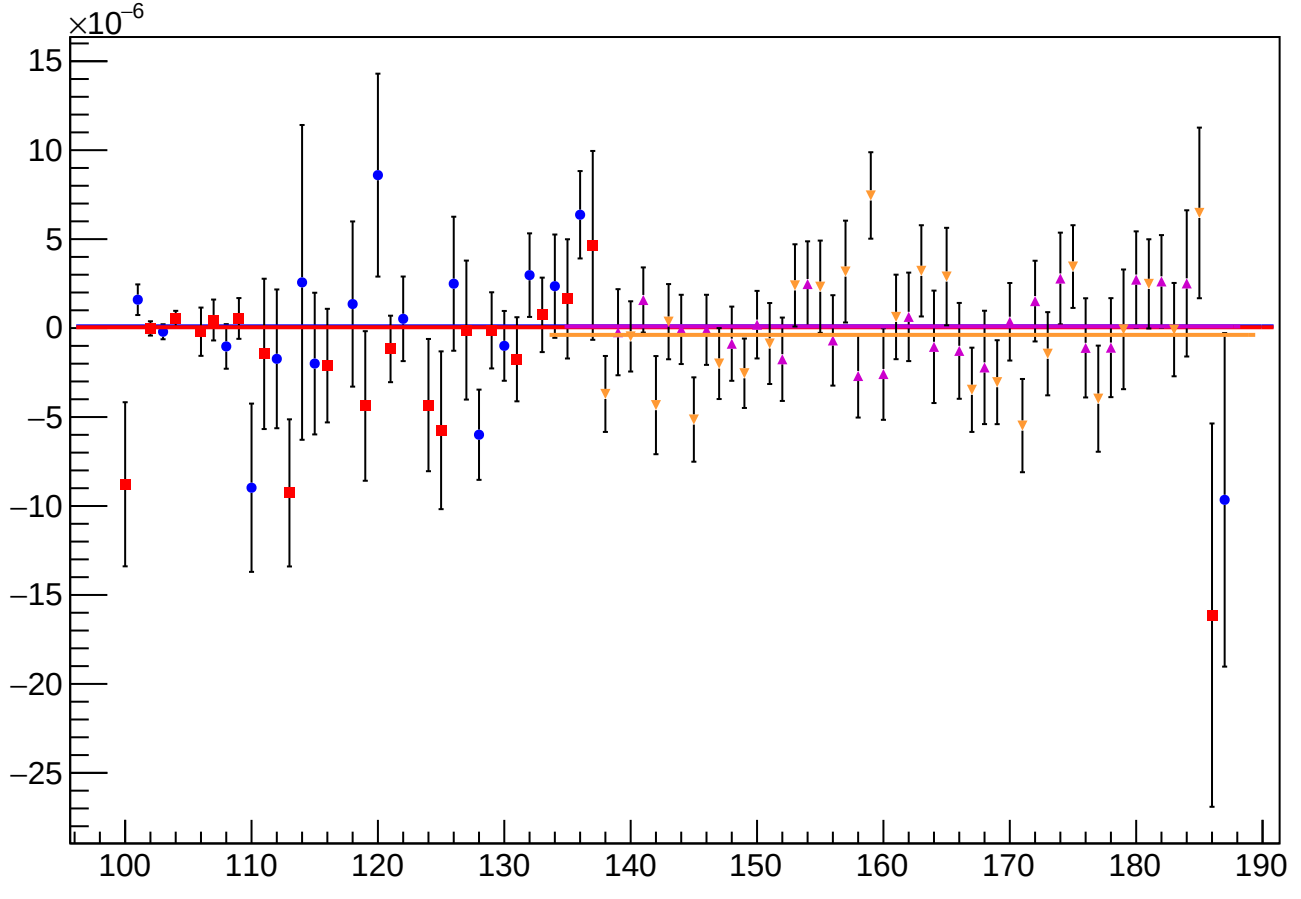
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 20.194+/-0.004 χ^2/NDF: 3737219.1/36

In: 23.897+/-0.004 χ^2/NDF:5133401.5/39

Out: 24.229+/-0.004 χ^2/NDF:5156406.2/44

All: 24.066+/-0.003 χ^2/NDF: 10294065.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/19

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

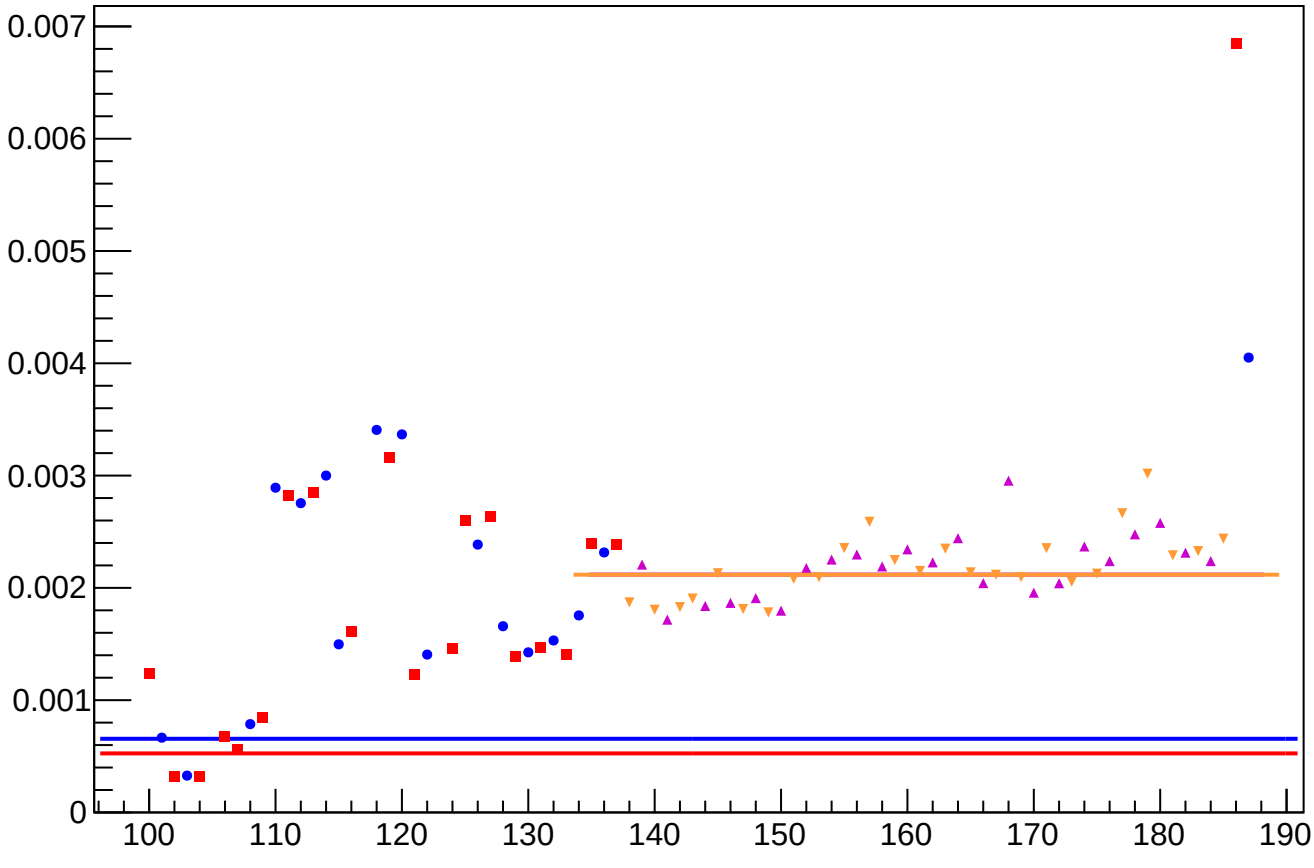
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 46.5/36

In: 0.000+/-0.000 χ^2/NDF:37.3/39

Out: -0.000+/-0.000 χ^2/NDF:63.1/44

All: 0.000+/-0.000 χ^2/NDF: 100.5/84



Right In: 0.001+/-0.000 χ^2/NDF: 6620129.5/16

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7365911.3/19

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

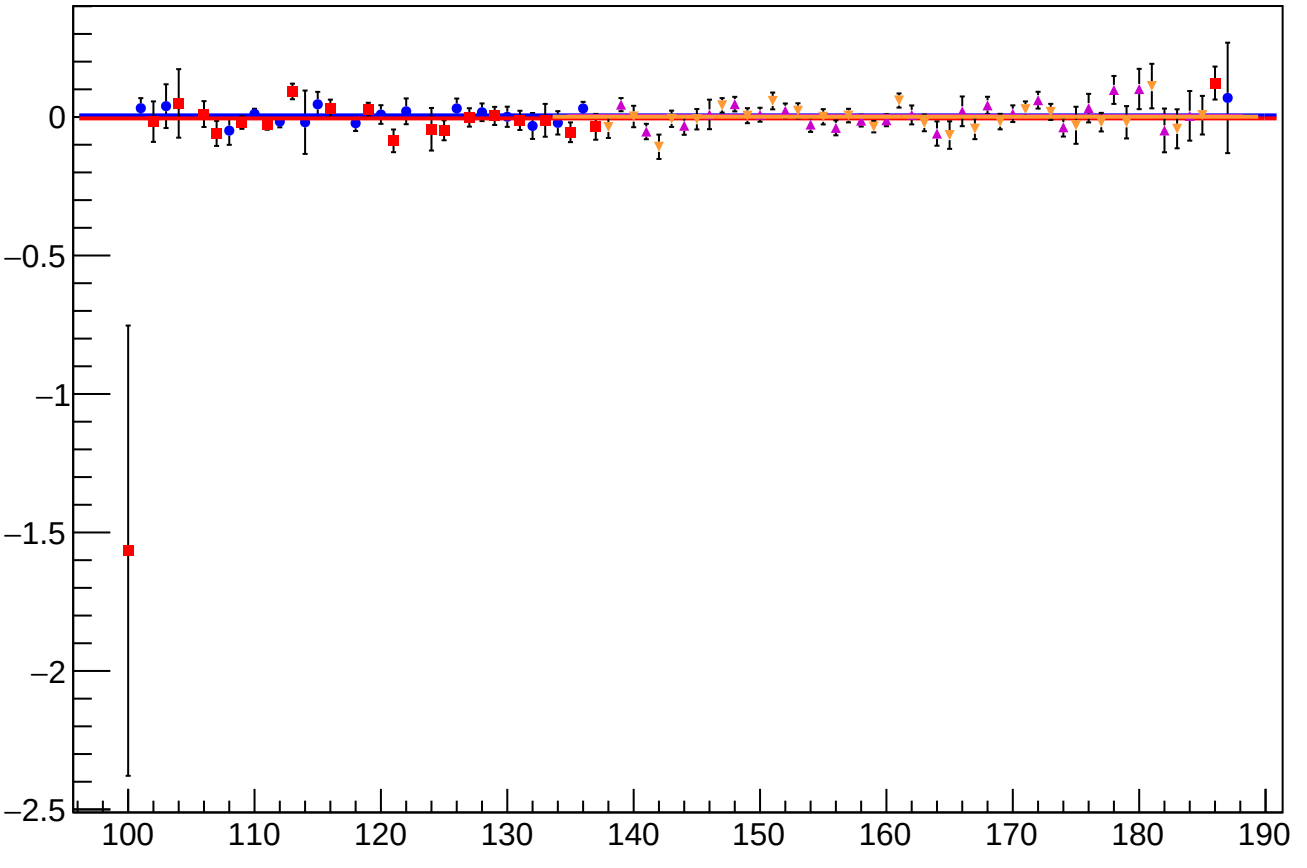
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 14175581.1/36

In: 0.001+/-0.000 χ^2/NDF:19044754.6/39

Out: 0.001+/-0.000 χ^2/NDF:24586614.4/44

All: 0.001+/-0.000 χ^2/NDF: 44416143.3/84



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/19

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

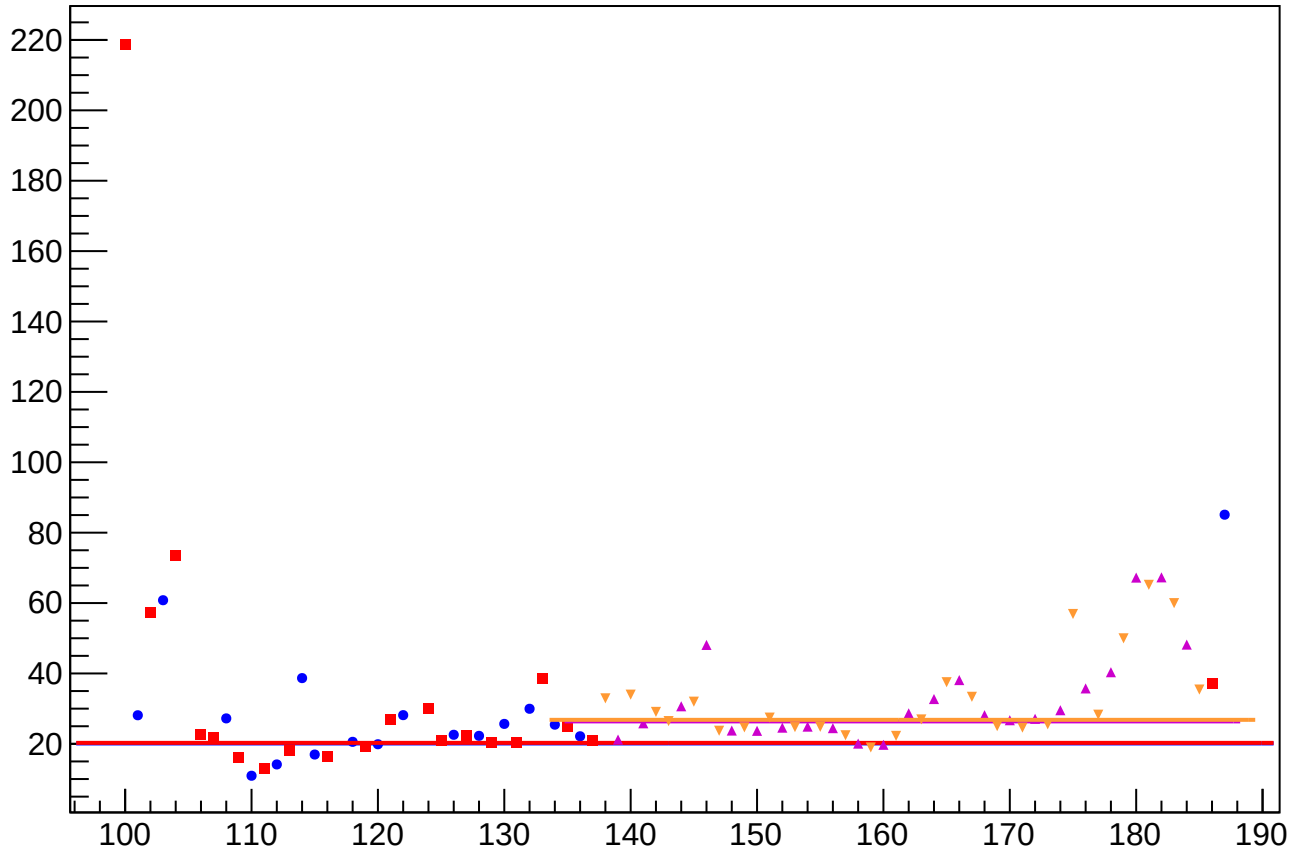
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.006 χ^2/NDF: 43.4/36

In: 0.005+/-0.005 χ^2/NDF:39.1/39

Out: -0.001+/-0.005 χ^2/NDF:65.1/44

All: 0.002+/-0.004 χ^2/NDF: 104.9/84



Right In: 20.109+/-0.006 χ^2/NDF: 1854025.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 20.277+/-0.006 χ^2/NDF: 1882480.7/19

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

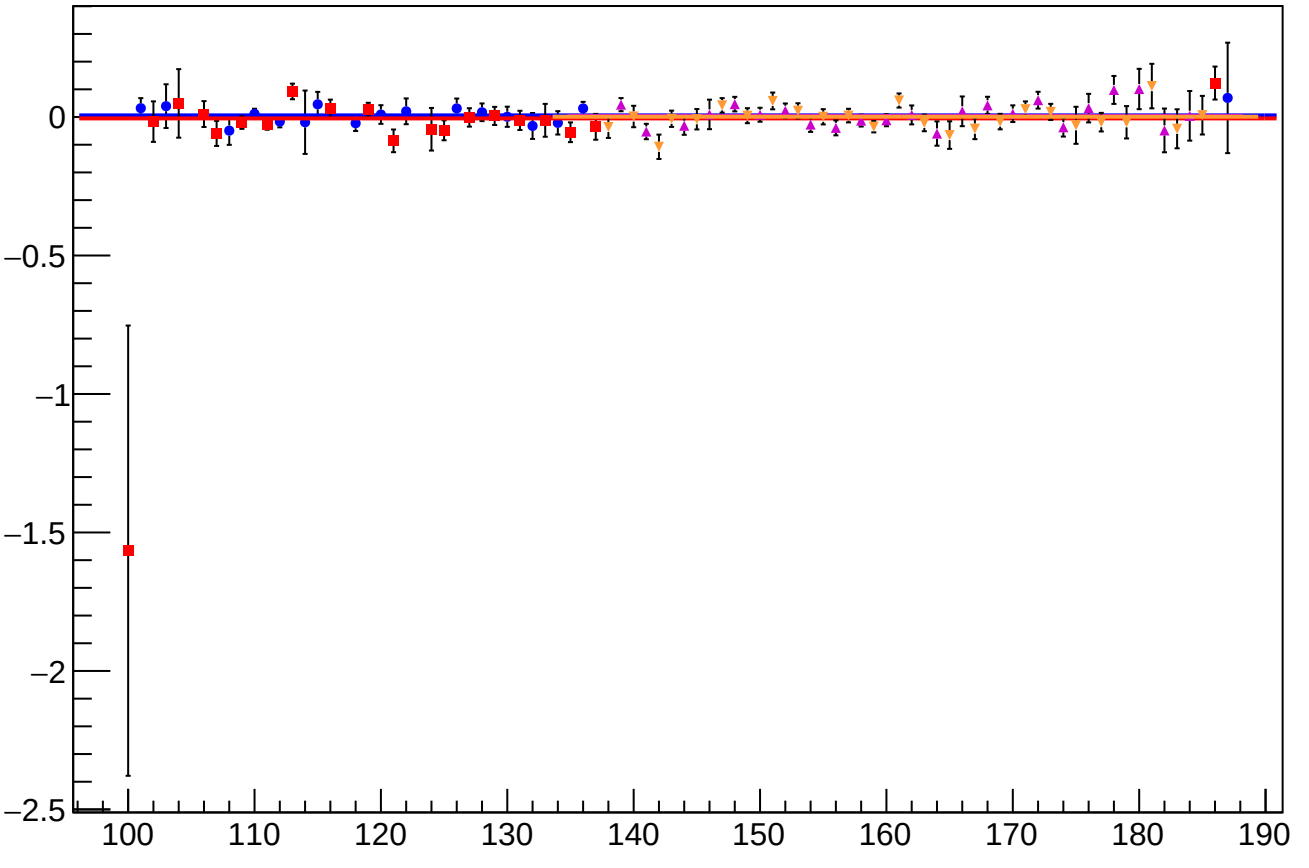
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 20.194+/-0.004 χ^2/NDF: 3736935.2/36

In: 23.897+/-0.004 χ^2/NDF:5133182.6/39

Out: 24.229+/-0.004 χ^2/NDF:5156315.2/44

All: 24.066+/-0.003 χ^2/NDF: 10293751.6/84



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/19

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

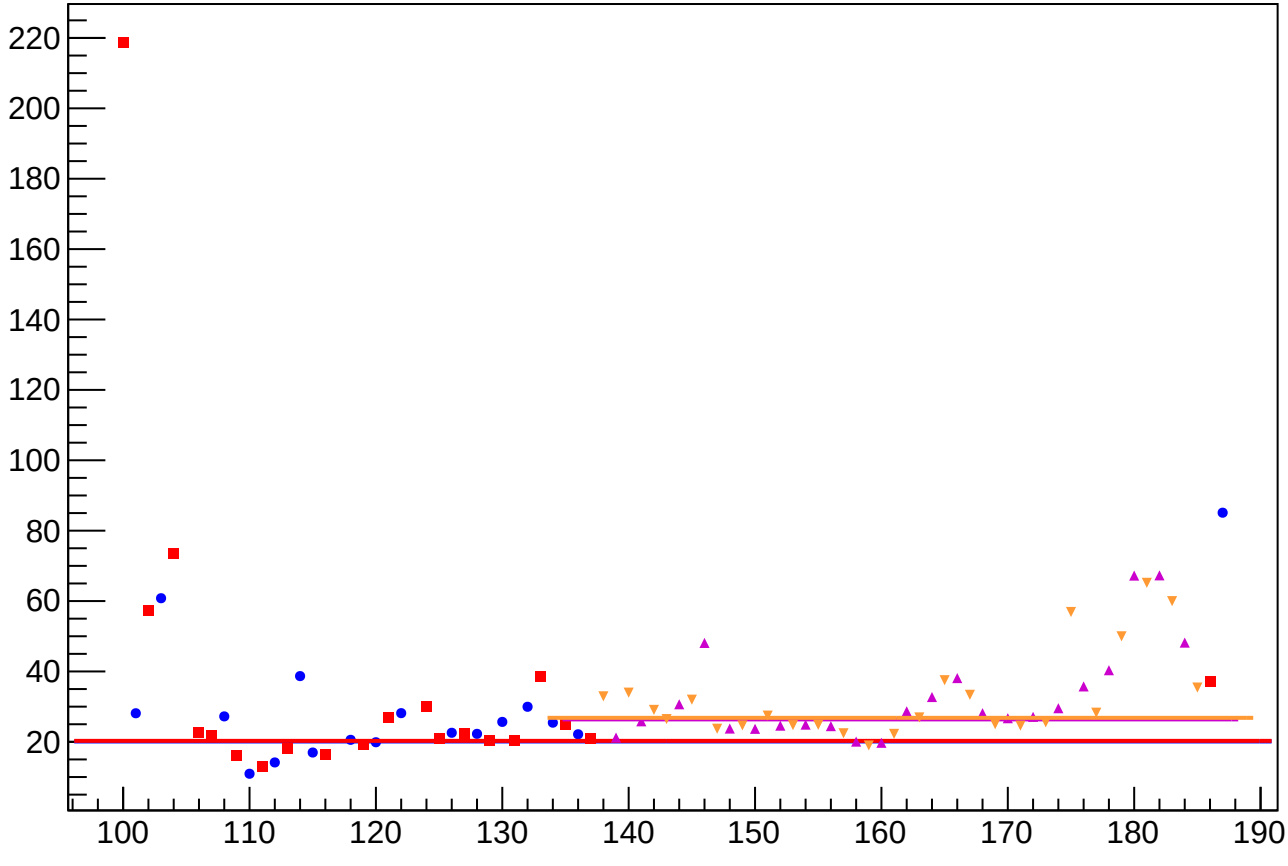
Right: 0.000+/-0.006 χ^2/NDF: 43.4/36

In: 0.005+/-0.005 χ^2/NDF:39.1/39

Out: -0.001+/-0.005 χ^2/NDF:65.1/44

All: 0.002+/-0.004 χ^2/NDF: 104.9/84

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.109+/-0.006 χ^2/NDF: 1854025.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 20.277+/-0.006 χ^2/NDF: 1882480.7/19

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

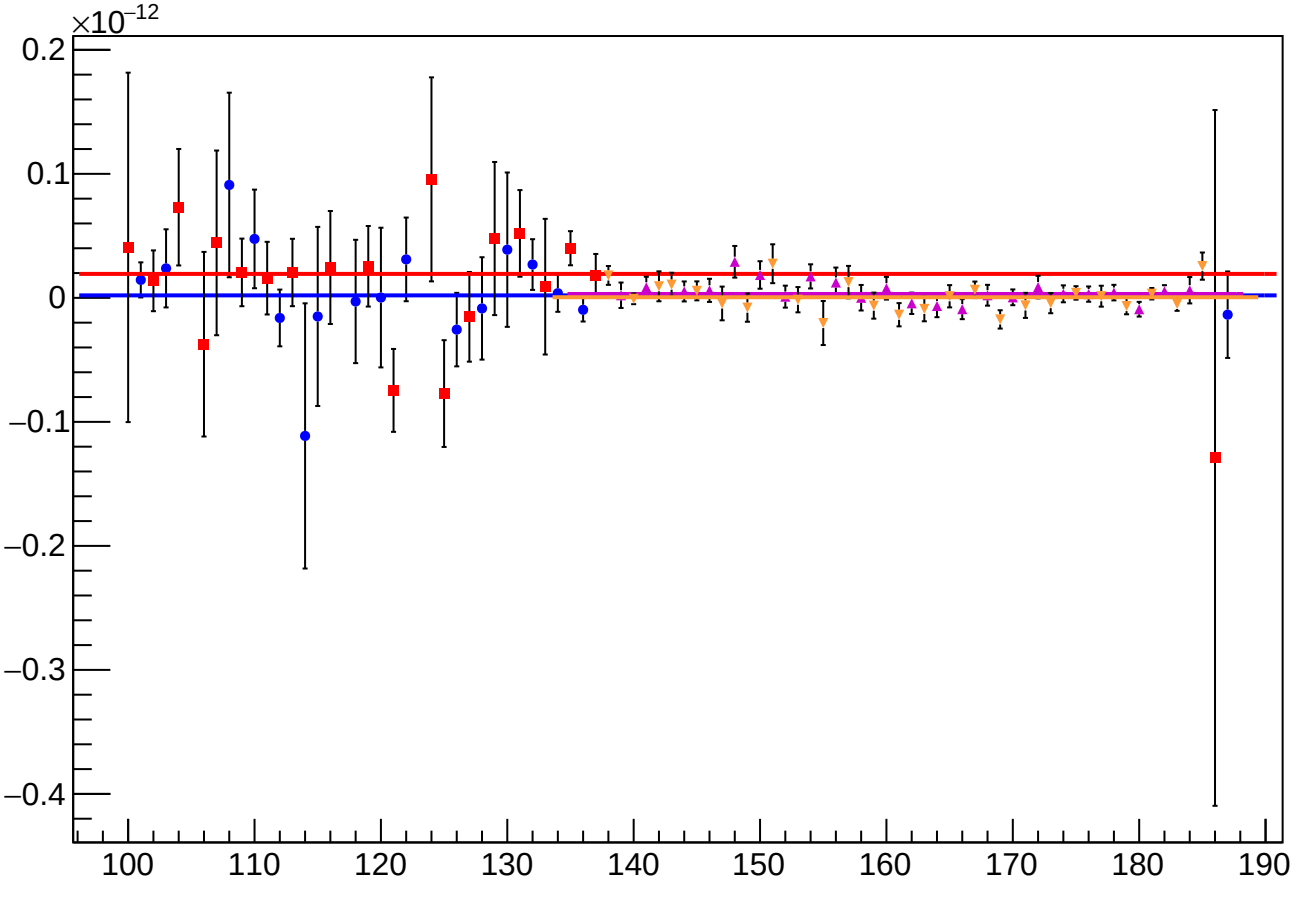
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 20.194+/-0.004 χ^2/NDF: 3736935.2/36

In: 23.897+/-0.004 χ^2/NDF:5133182.6/39

Out: 24.229+/-0.004 χ^2/NDF:5156315.2/44

All: 24.066+/-0.003 χ^2/NDF: 10293751.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/19

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

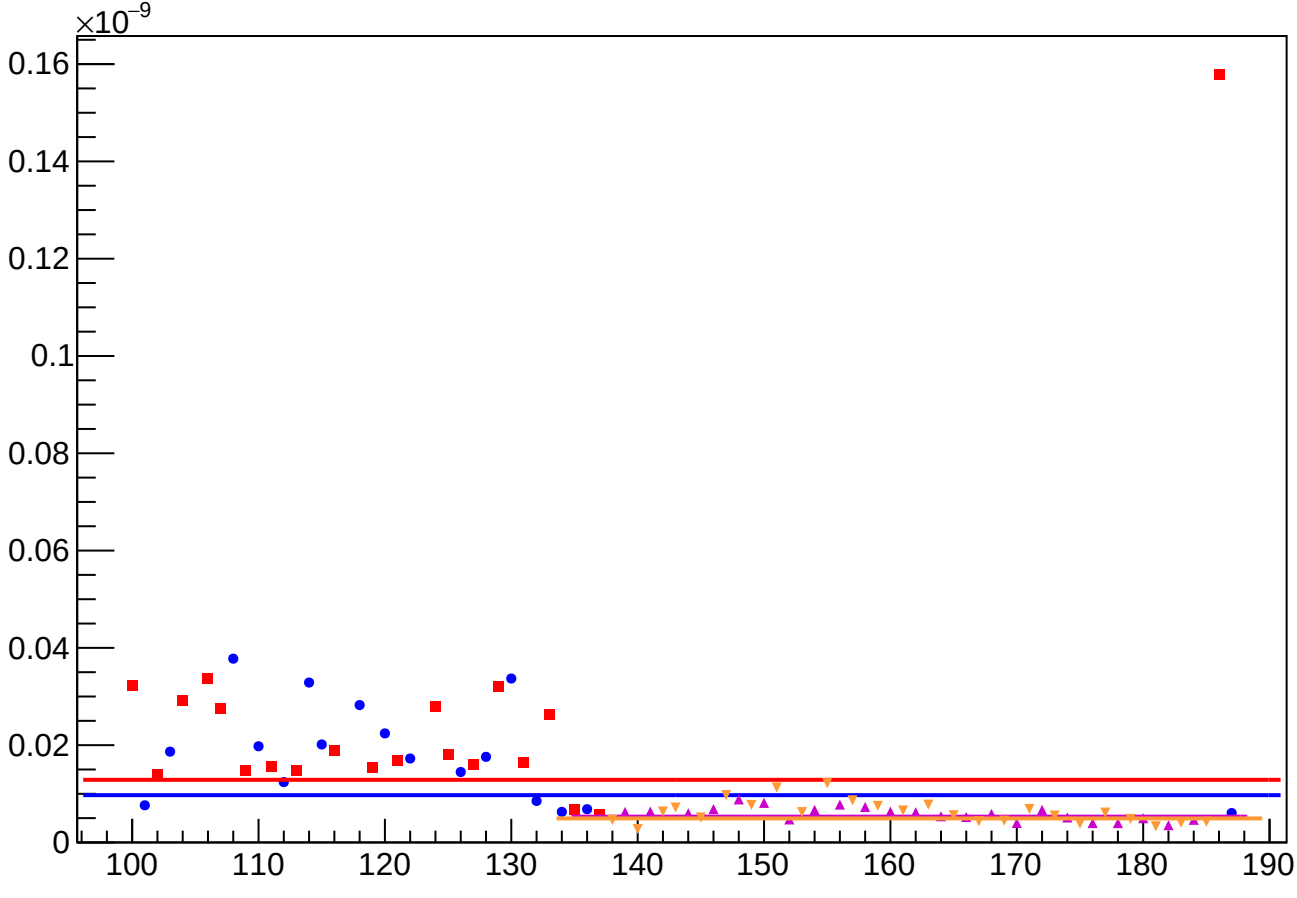
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 35.2/36

In: 0.000+/-0.000 χ^2/NDF:30.2/39

Out: 0.000+/-0.000 χ^2/NDF:59.9/44

All: 0.000+/-0.000 χ^2/NDF: 90.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 1999912.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2333084.1/19

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

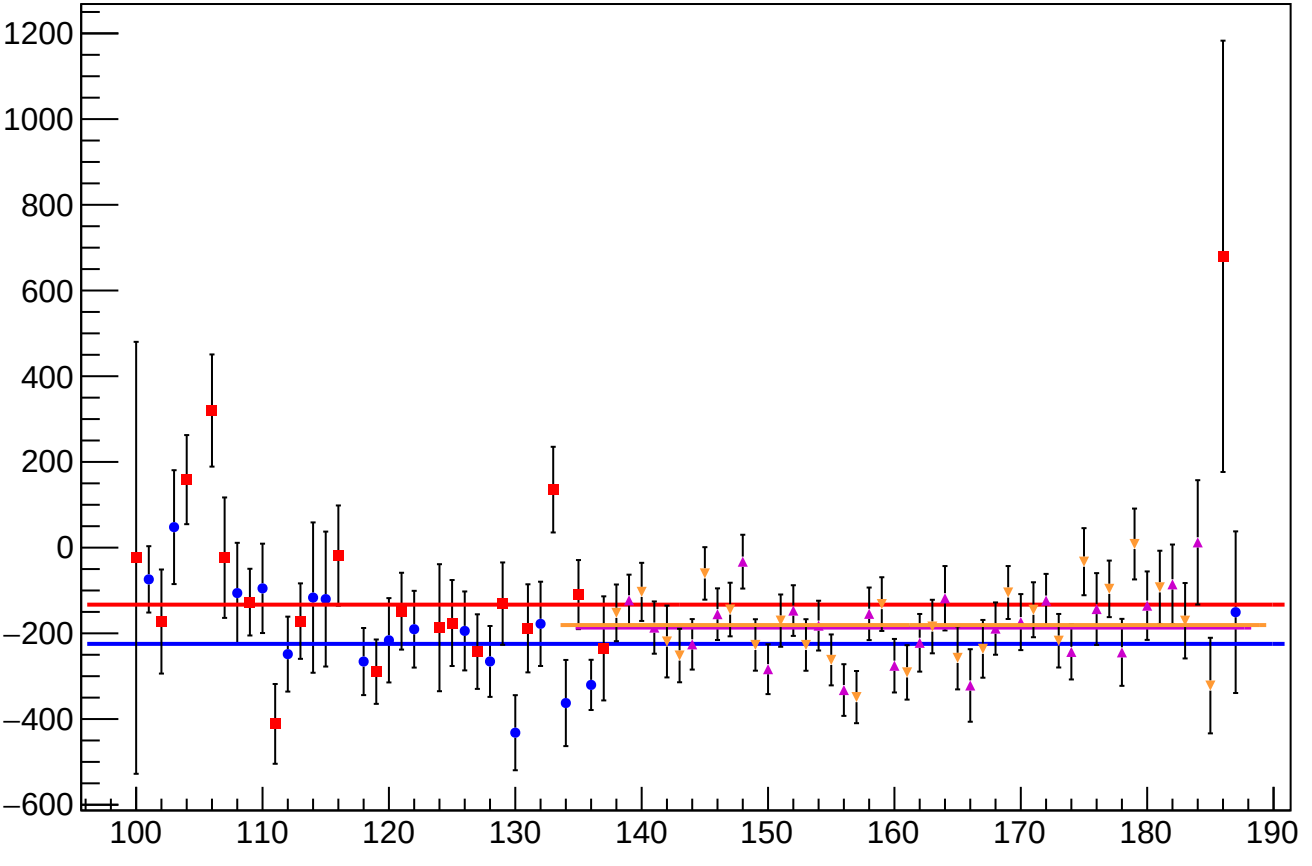
Right: 0.000+/-0.000 χ^2/NDF: 4576865.3/36

In: 0.000+/-0.000 χ^2/NDF:4377796.0/39

Out: 0.000+/-0.000 χ^2/NDF:7492304.9/44

All: 0.000+/-0.000 χ^2/NDF: 11918724.1/84

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -133.036+/-23.167 χ^2/NDF: 47.9/19

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

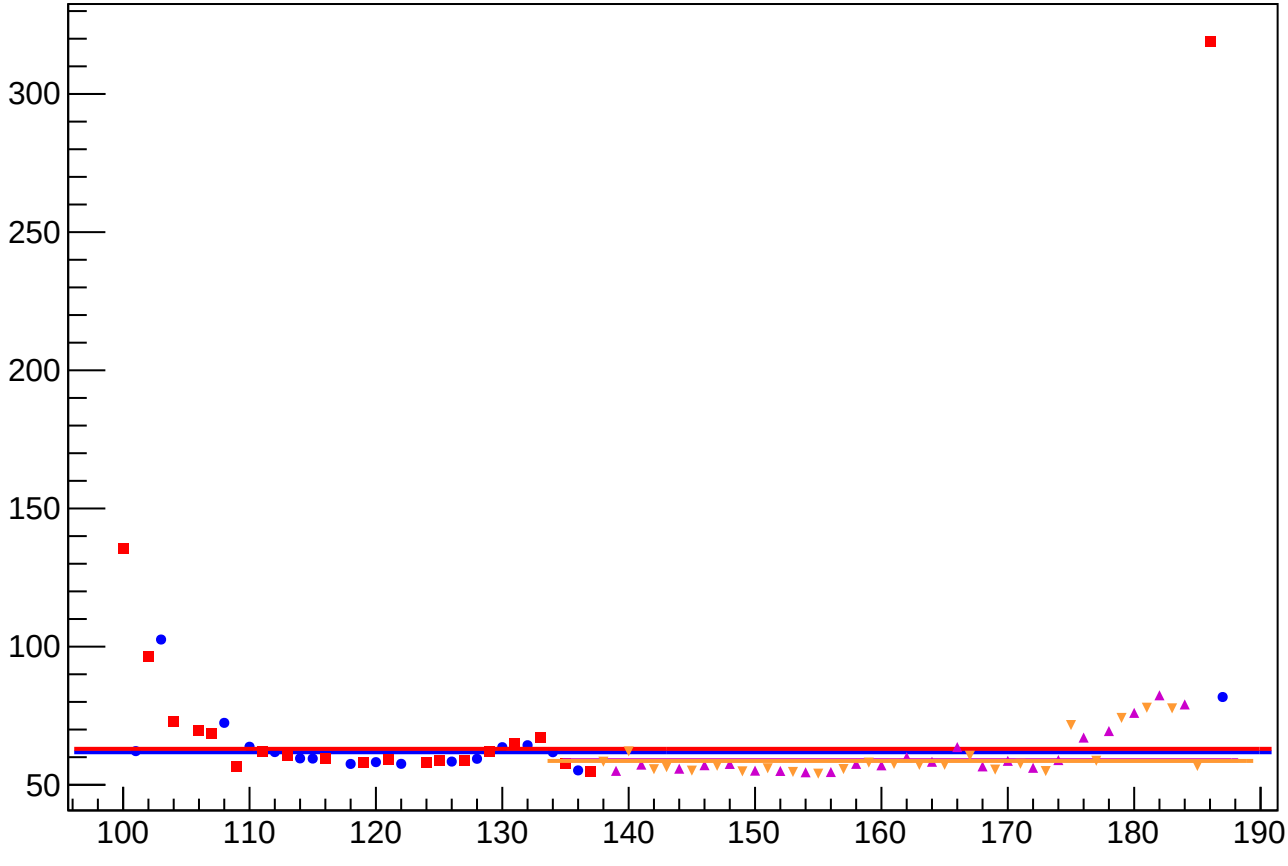
Right: -179.246+/-16.303 χ^2/NDF: 78.5/36

In: -196.728+/-11.864 χ^2/NDF:53.8/39

Out: -168.715+/-11.611 χ^2/NDF:89.6/44

All: -182.421+/-8.298 χ^2/NDF: 146.3/84

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.786+/-0.016 χ^2/NDF: 273464.4/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.019+/-0.016 χ^2/NDF: 799455.8/19

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

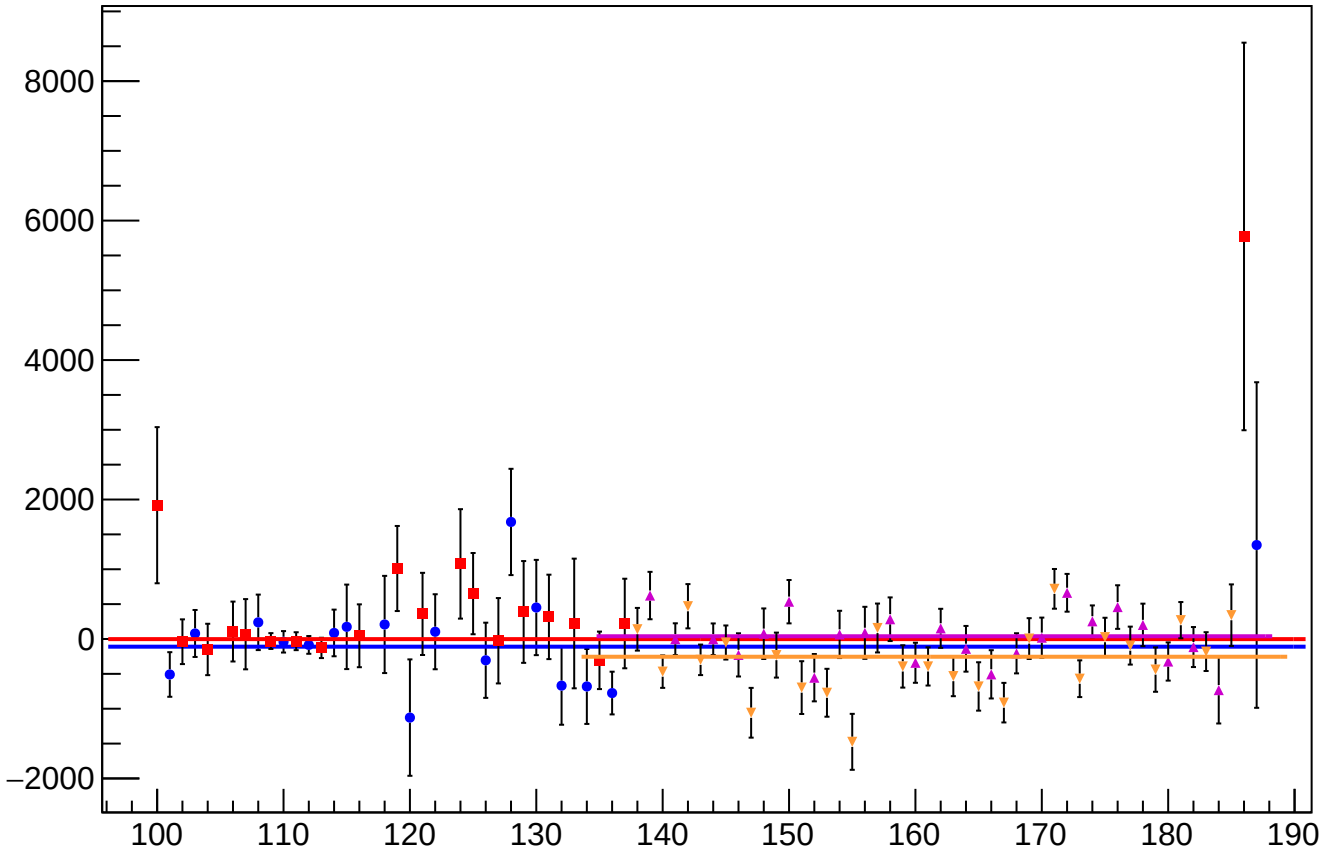
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 62.397+/-0.012 χ^2/NDF: 1075780.2/36

In: 59.676+/-0.008 χ^2/NDF:683368.1/39

Out: 59.743+/-0.008 χ^2/NDF:1246753.3/44

All: 59.710+/-0.006 χ^2/NDF: 1930154.0/84



Right In: -110.331+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -1.837+/-63.916 χ^2/NDF: 16.0/19

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

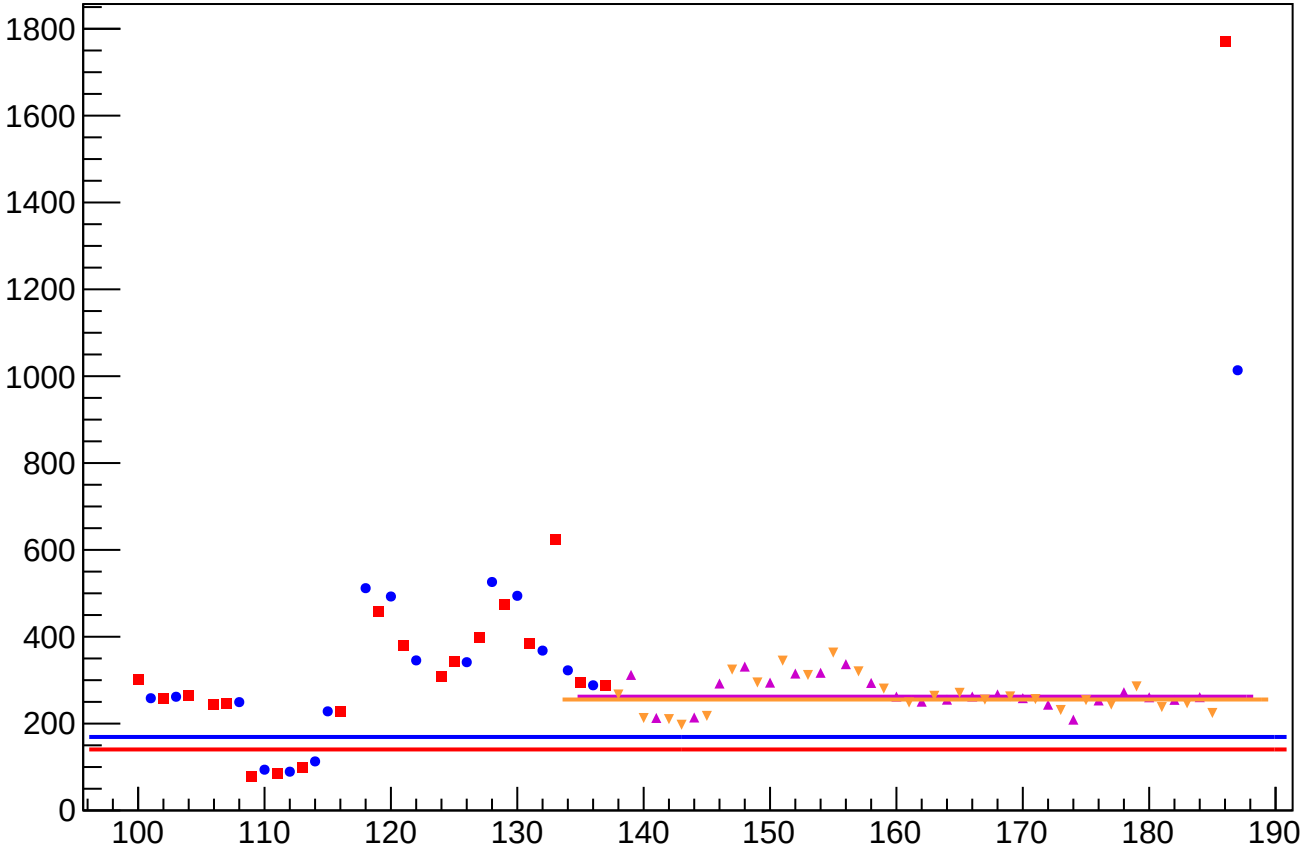
Right: -46.664+/-48.962 χ^2/NDF: 36.0/36

In: -20.285+/-48.030 χ^2/NDF:49.5/39

Out: -138.589+/-43.304 χ^2/NDF:82.1/44

All: -85.542+/-32.162 χ^2/NDF: 134.9/84

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 169.230+/-0.054 χ^2/NDF: 4806011.4/16

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 140.456+/-0.045 χ^2/NDF: 5842540.3/19

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

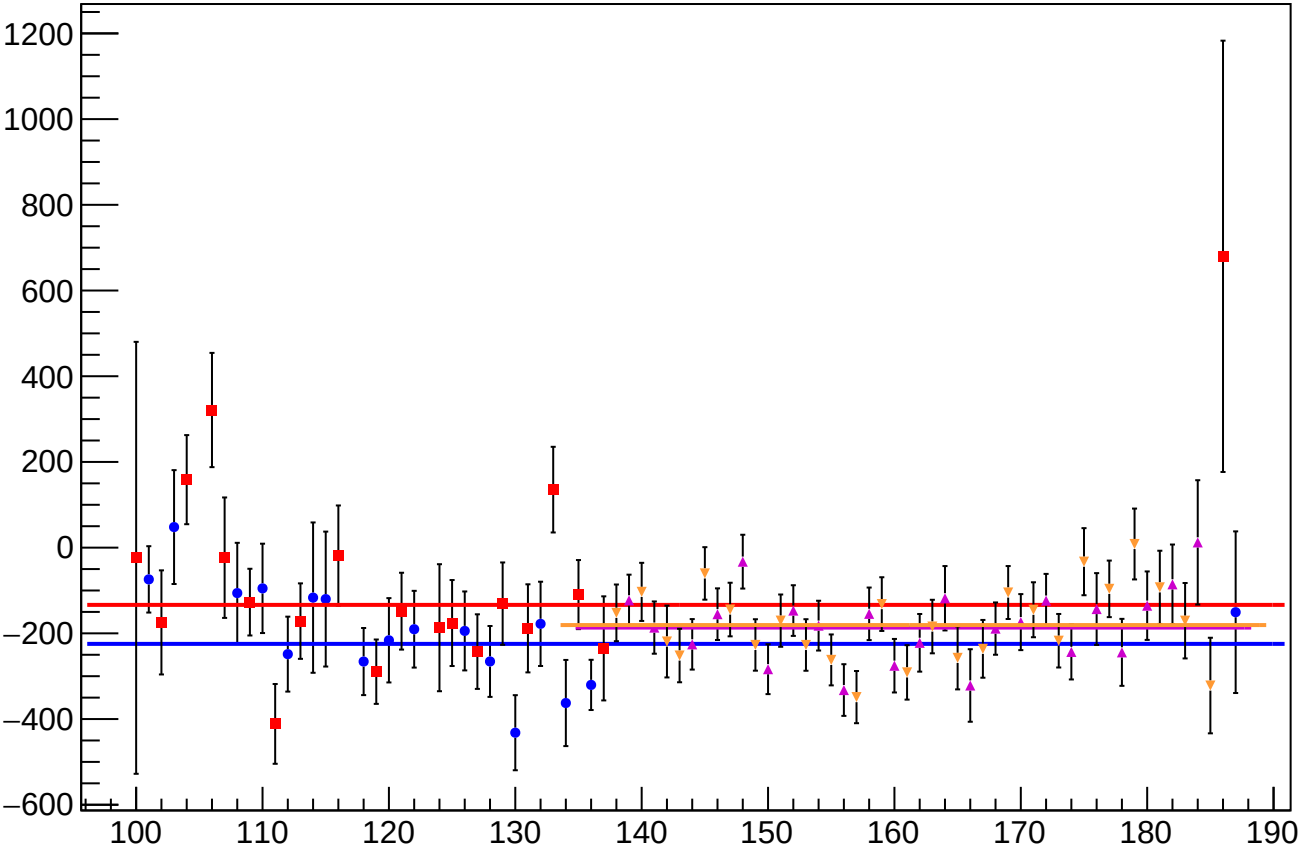
Right: 152.345+/-0.035 χ^2/NDF: 10816018.5/36

In: 225.119+/-0.034 χ^2/NDF:7263966.2/39

Out: 202.675+/-0.031 χ^2/NDF:10209753.8/44

All: 212.739+/-0.023 χ^2/NDF: 17714627.7/84

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -133.581+/-23.180 χ^2/NDF: 47.5/19

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

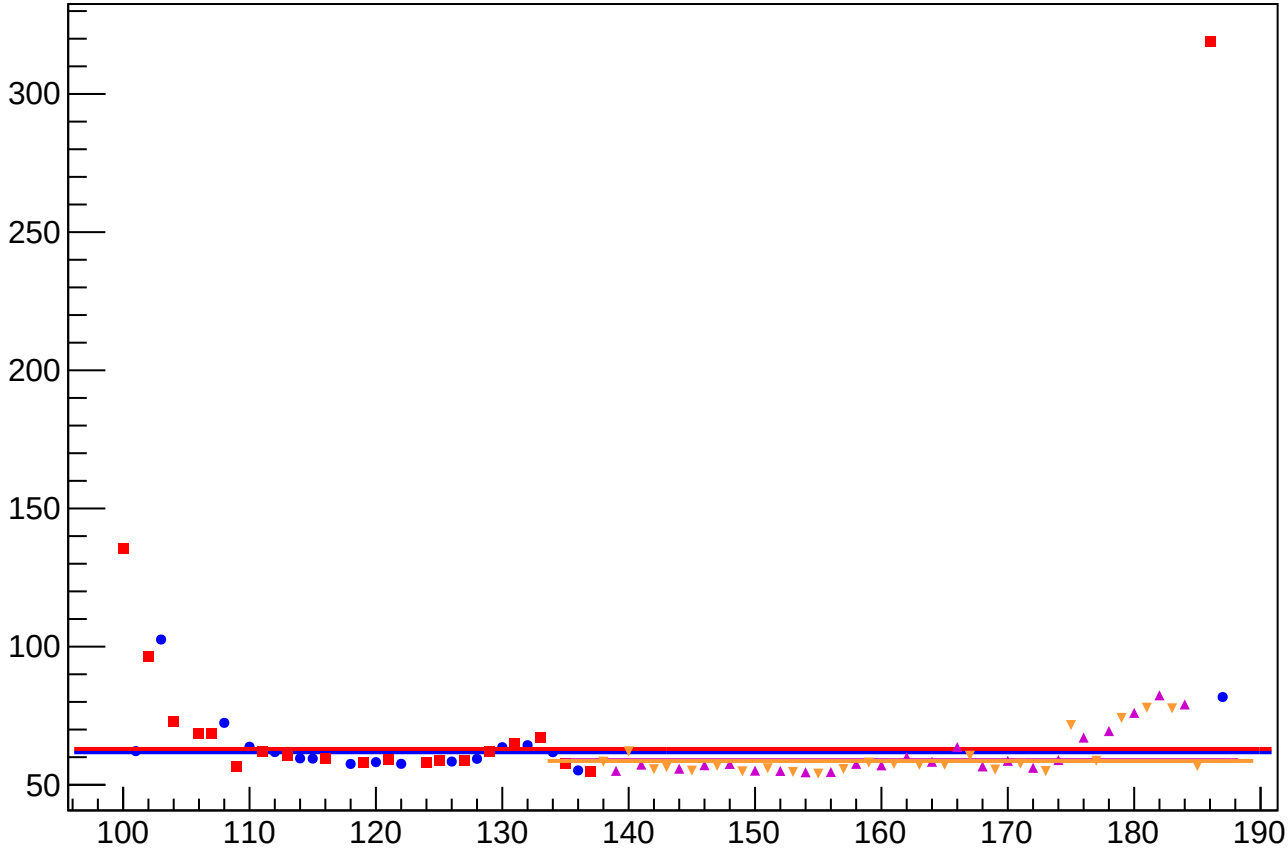
Right: -179.542+/-16.308 χ^2/NDF: 78.1/36

In: -196.729+/-11.864 χ^2/NDF:53.8/39

Out: -168.859+/-11.613 χ^2/NDF:89.2/44

All: -182.496+/-8.299 χ^2/NDF: 145.8/84

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.786+/-0.016 χ^2/NDF: 273466.9/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 62.977+/-0.016 χ^2/NDF: 797889.1/19

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

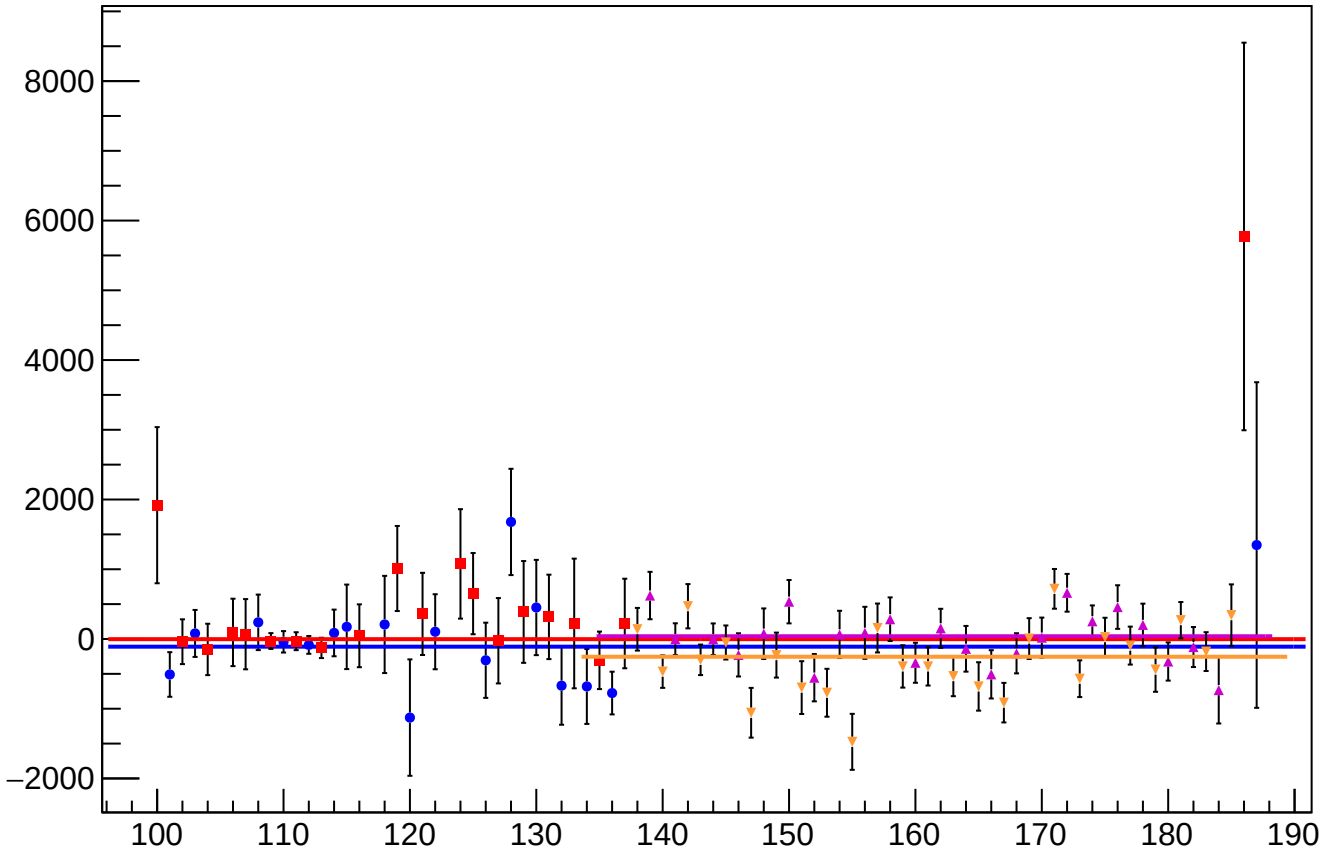
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 62.376+/-0.012 χ^2/NDF: 1074021.3/36

In: 59.676+/-0.008 χ^2/NDF:683370.7/39

Out: 59.731+/-0.008 χ^2/NDF:1244112.2/44

All: 59.704+/-0.006 χ^2/NDF: 1927505.1/84



Right In: -110.313+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -2.545+/-64.068 χ^2/NDF: 15.9/19

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

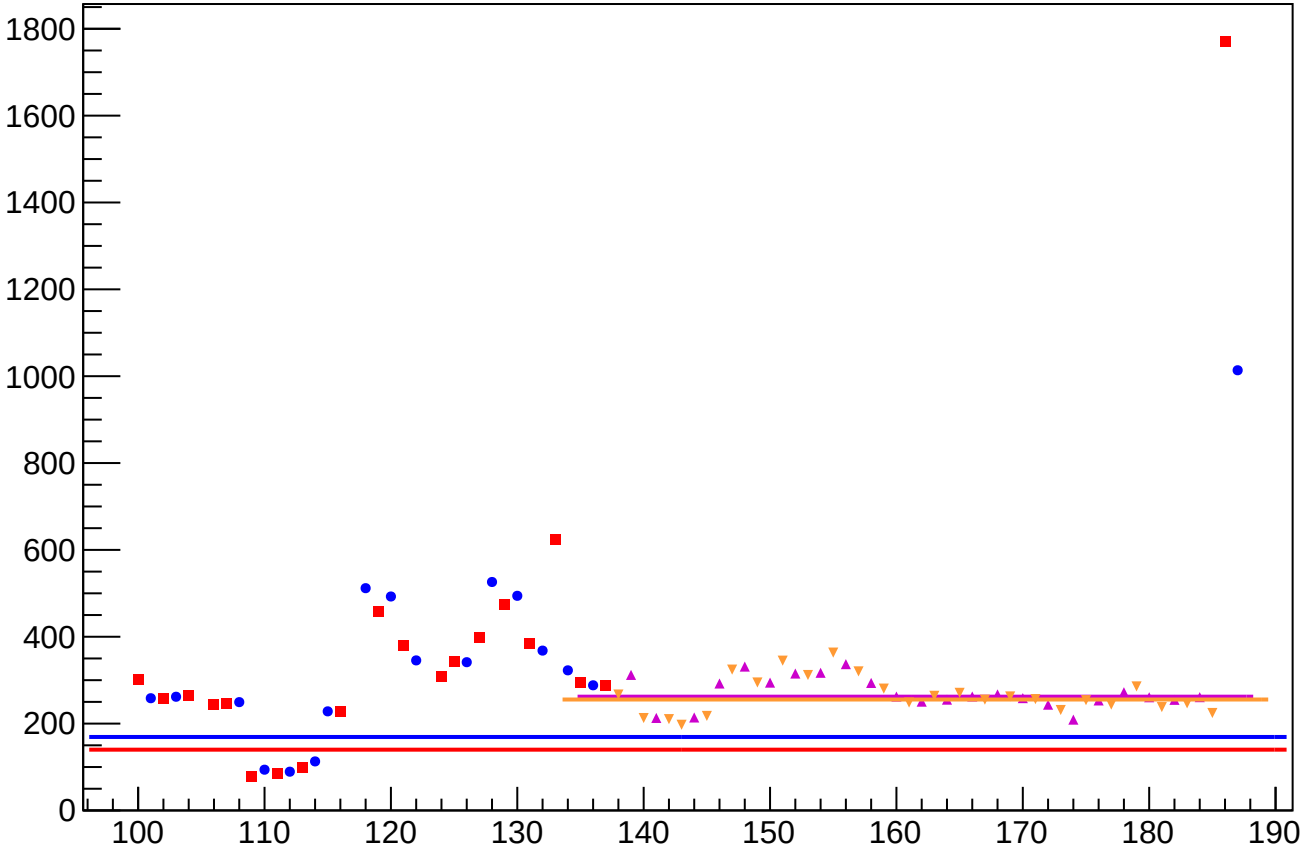
Right: -47.196+/-49.031 χ^2/NDF: 36.0/36

In: -20.279+/-48.030 χ^2/NDF:49.5/39

Out: -139.210+/-43.351 χ^2/NDF:82.0/44

All: -85.818+/-32.181 χ^2/NDF: 134.9/84

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 169.230+/-0.054 χ^2/NDF: 4806065.2/16

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 139.972+/-0.045 χ^2/NDF: 5818808.6/19

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

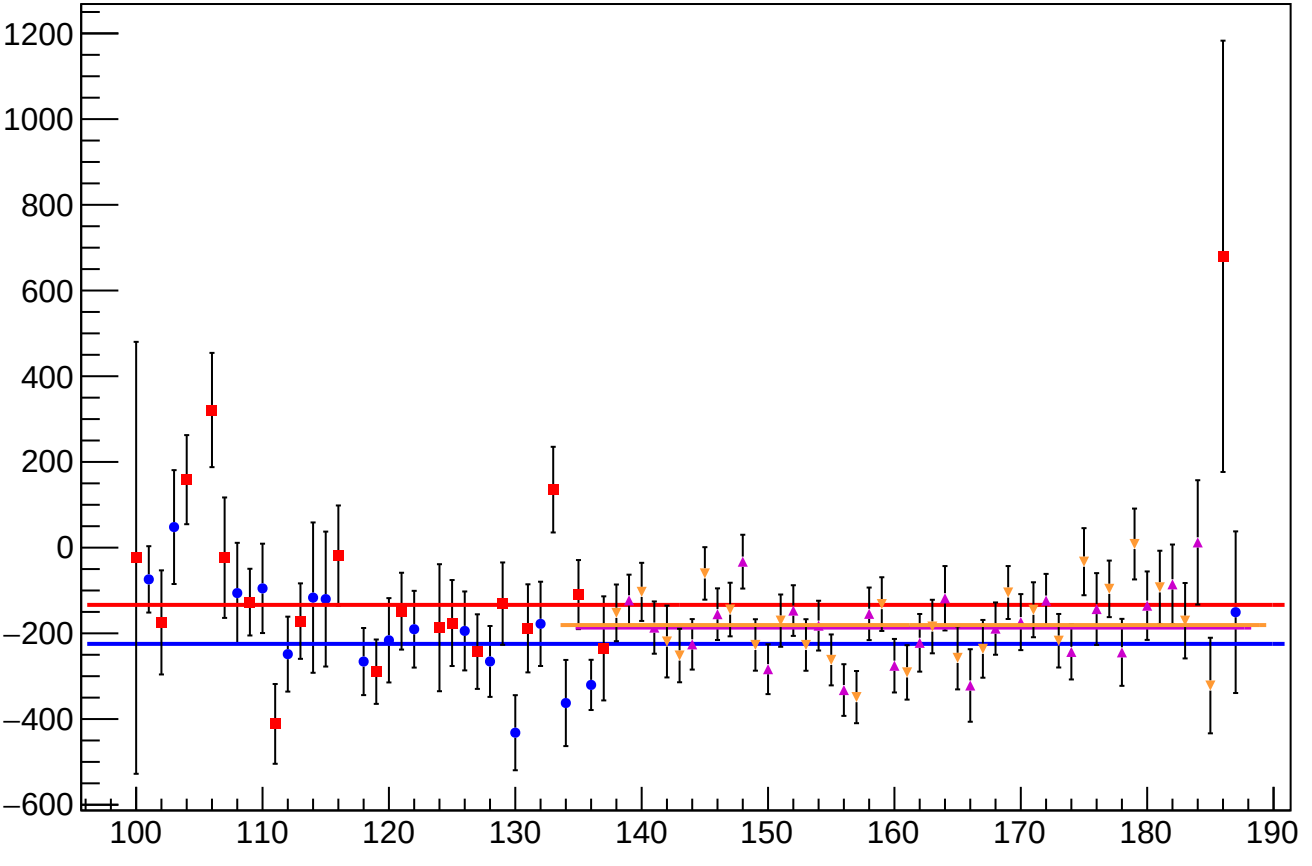
Right: 152.094+/-0.035 χ^2/NDF: 10797689.6/36

In: 225.120+/-0.034 χ^2/NDF:7263996.9/39

Out: 202.589+/-0.031 χ^2/NDF:10206510.3/44

All: 212.703+/-0.023 χ^2/NDF: 17713037.9/84

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -133.581+/-23.180 χ^2/NDF: 47.5/19

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

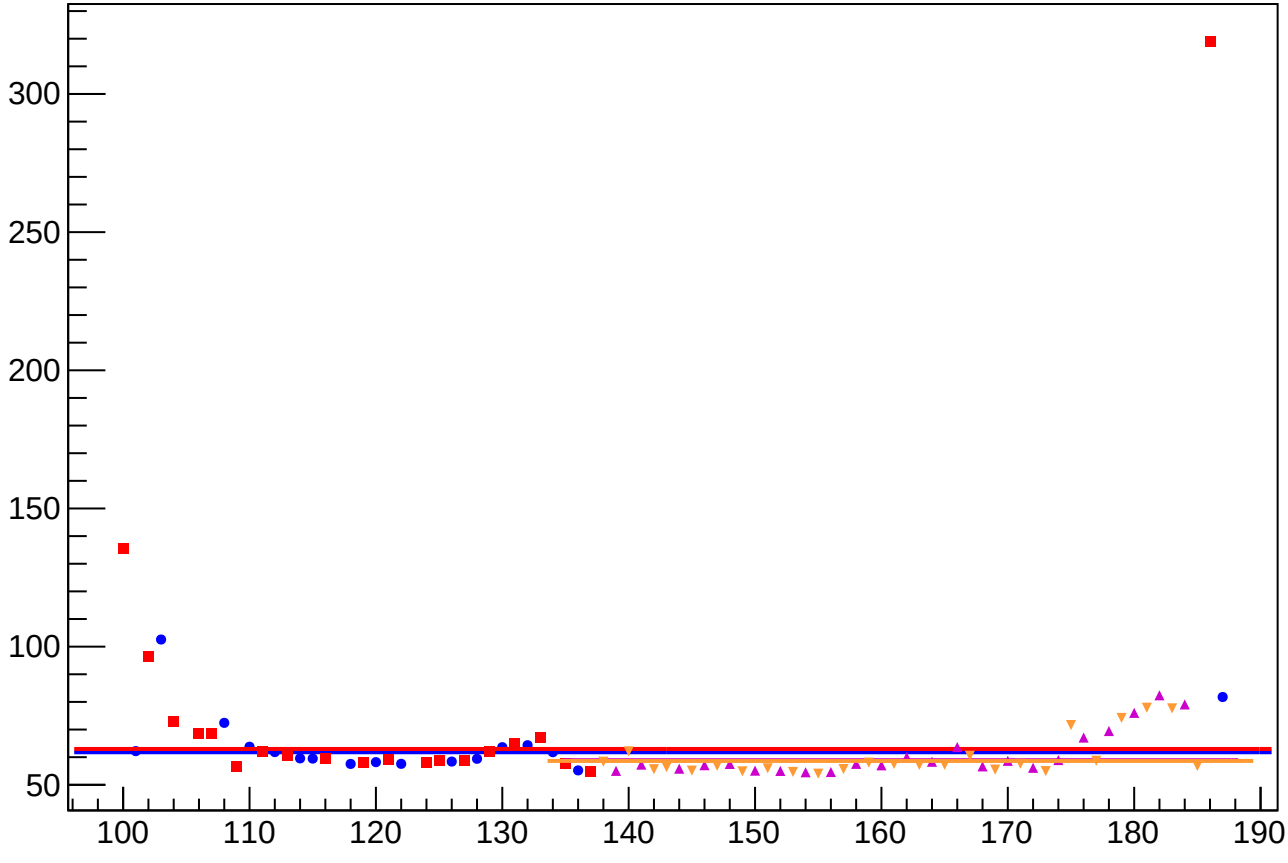
Right: -179.542+/-16.308 χ^2/NDF: 78.1/36

In: -196.729+/-11.864 χ^2/NDF:53.8/39

Out: -168.859+/-11.613 χ^2/NDF:89.2/44

All: -182.496+/-8.299 χ^2/NDF: 145.8/84

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.786+/-0.016 χ^2/NDF: 273466.9/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 62.977+/-0.016 χ^2/NDF: 797889.1/19

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

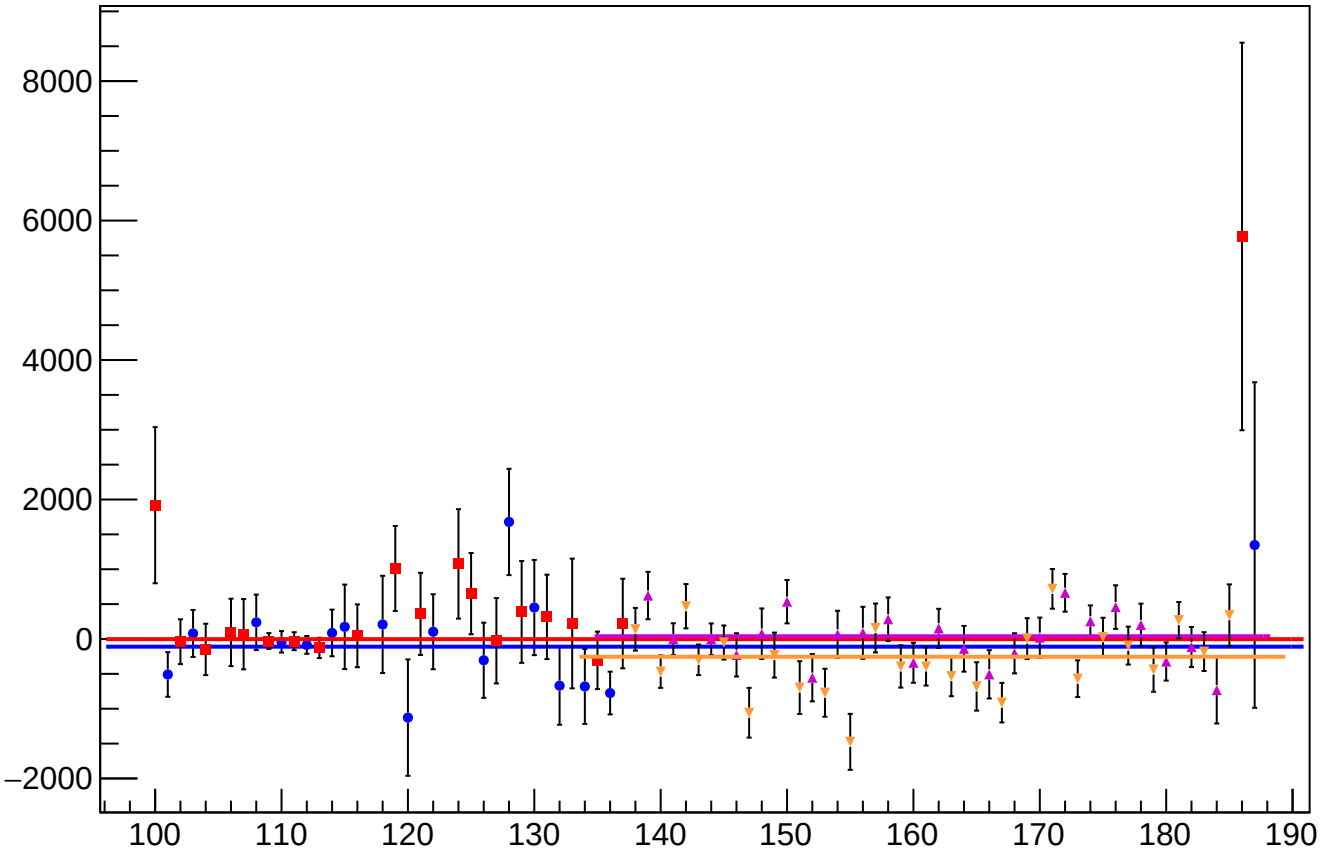
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 62.376+/-0.012 χ^2/NDF: 1074021.3/36

In: 59.676+/-0.008 χ^2/NDF:683370.7/39

Out: 59.731+/-0.008 χ^2/NDF:1244112.2/44

All: 59.704+/-0.006 χ^2/NDF: 1927505.1/84



Right In: -110.313+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -2.545+/-64.068 χ^2/NDF: 15.9/19

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

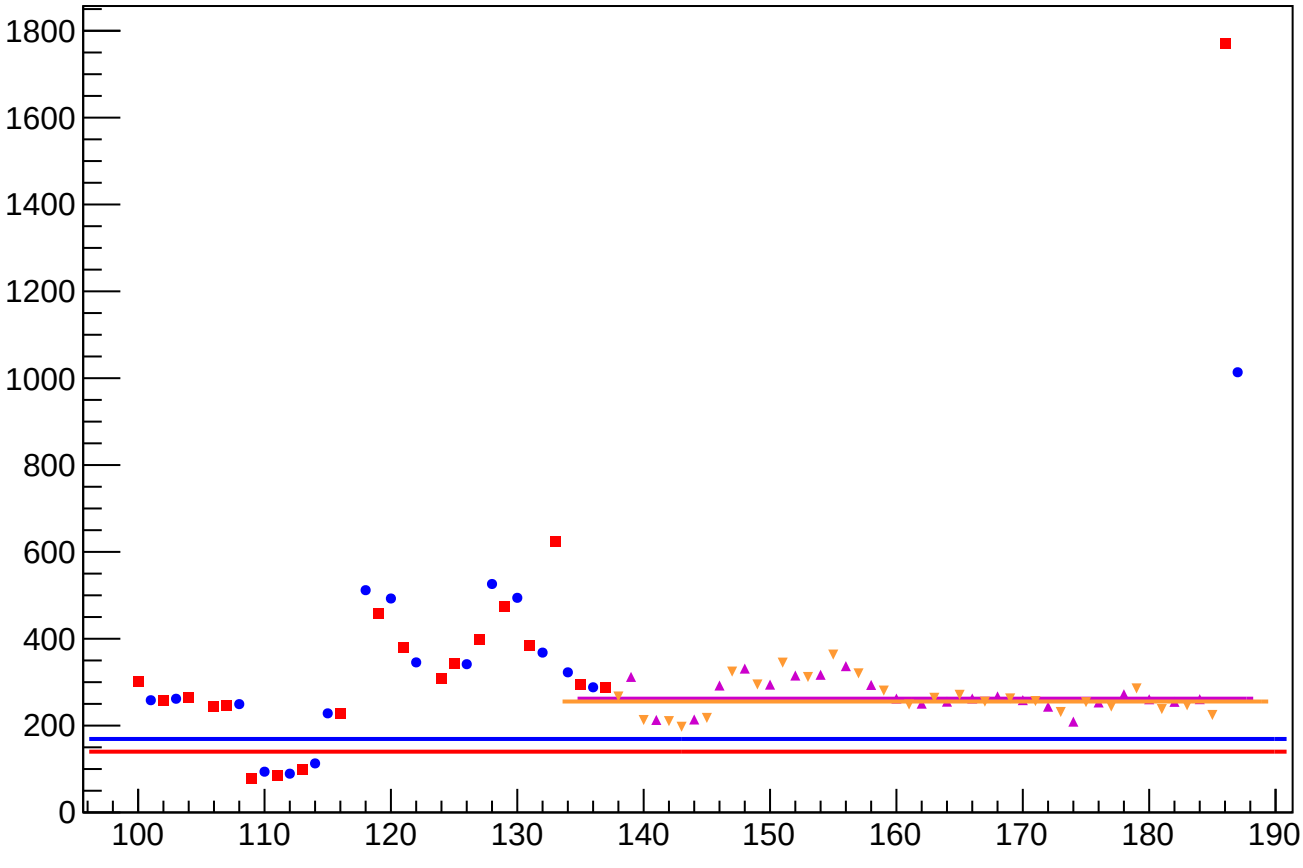
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -47.196+/-49.031 χ^2/NDF: 36.0/36

In: -20.279+/-48.030 χ^2/NDF:49.5/39

Out: -139.210+/-43.351 χ^2/NDF:82.0/44

All: -85.818+/-32.181 χ^2/NDF: 134.9/84



Right In: 169.230+/-0.054 χ^2/NDF: 4806065.2/16

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 139.972+/-0.045 χ^2/NDF: 5818808.6/19

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

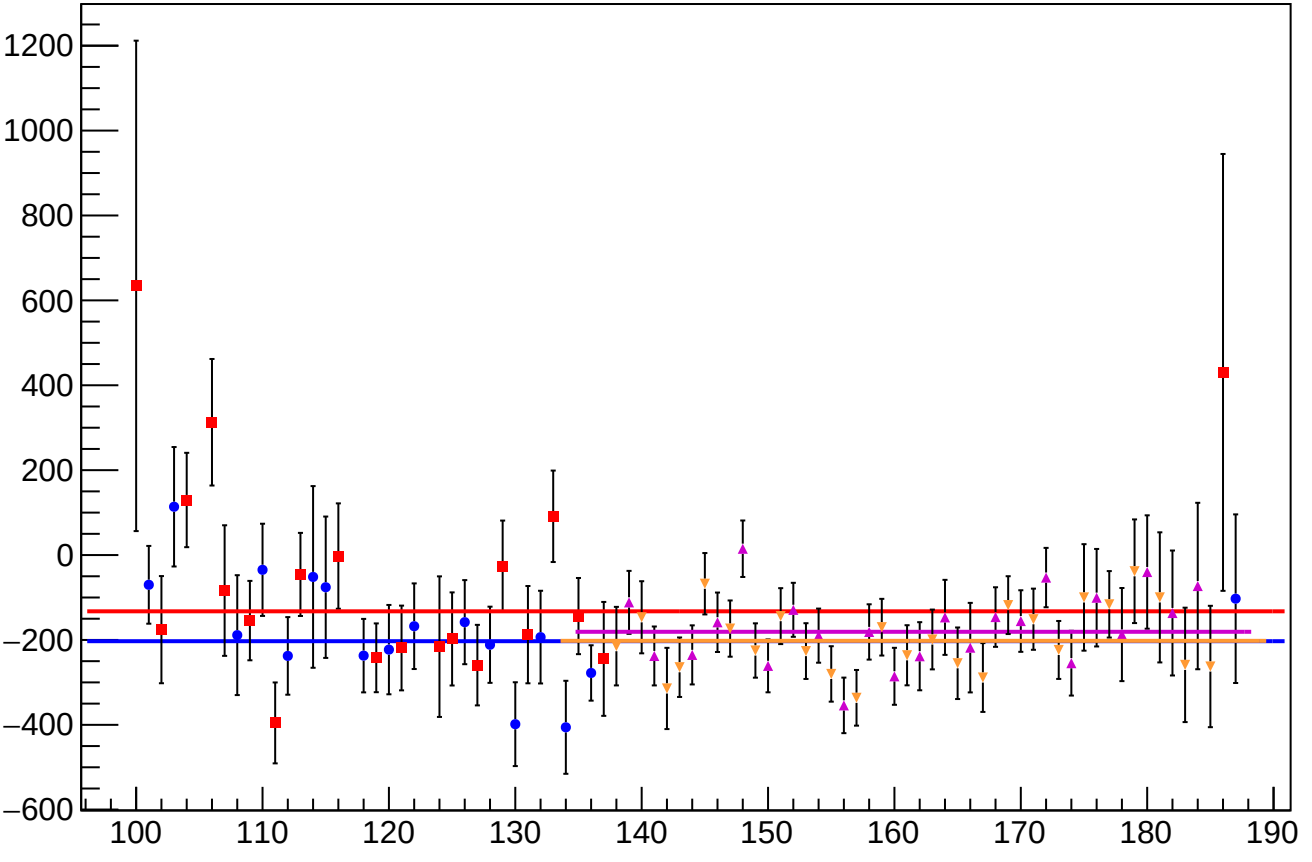
Right: 152.094+/-0.035 χ^2/NDF: 10797689.6/36

In: 225.120+/-0.034 χ^2/NDF:7263996.9/39

Out: 202.589+/-0.031 χ^2/NDF:10206510.3/44

All: 212.703+/-0.023 χ^2/NDF: 17713037.9/84

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -202.924+/-25.315 χ^2/NDF: 20.3/16

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -132.544+/-25.452 χ^2/NDF: 38.4/19

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

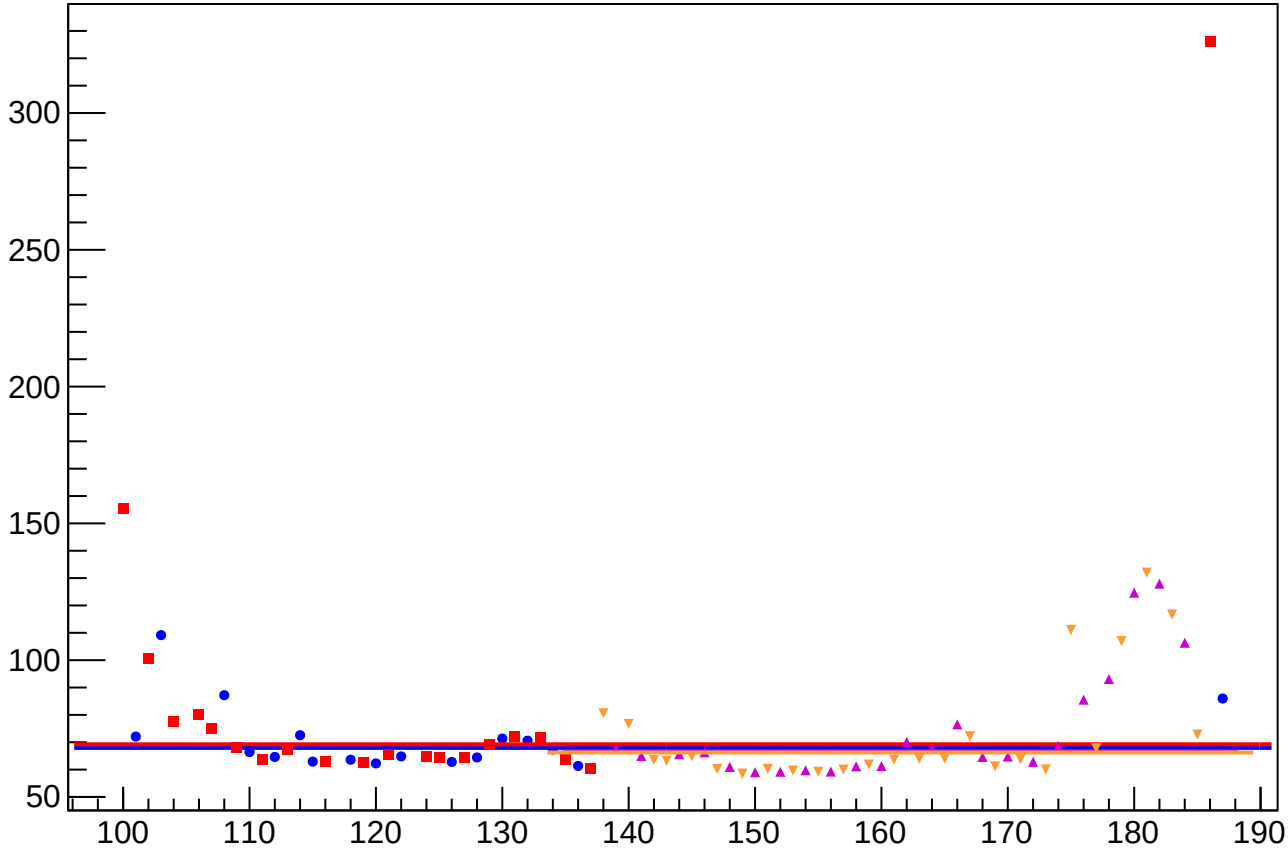
Right: -167.924+/-17.949 χ^2/NDF: 62.5/36

In: -187.114+/-13.537 χ^2/NDF:50.9/39

Out: -183.209+/-13.262 χ^2/NDF:65.4/44

All: -185.121+/-9.473 χ^2/NDF: 116.4/84

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.945+/-0.018 χ^2/NDF: 280426.5/16

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 69.254+/-0.018 χ^2/NDF: 747544.7/19

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

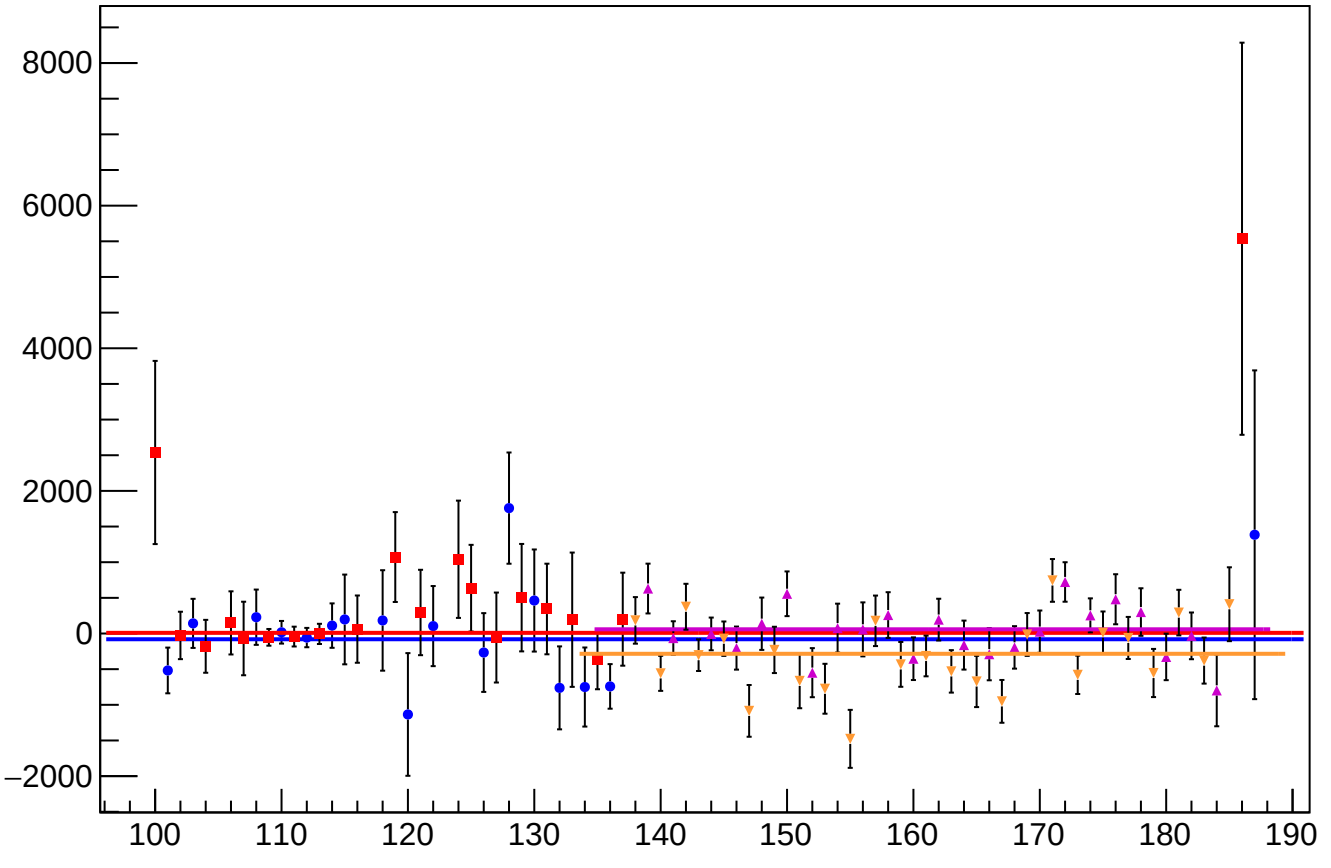
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 68.596+/-0.013 χ^2/NDF: 1030628.7/36

In: 66.974+/-0.010 χ^2/NDF:1442785.4/39

Out: 67.087+/-0.009 χ^2/NDF:2161327.2/44

All: 67.032+/-0.007 χ^2/NDF: 3604183.1/84



Right In: -80.521+/-78.630 χ^2/NDF: 19.6/16

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 9.239+/-65.891 χ^2/NDF: 16.1/19

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

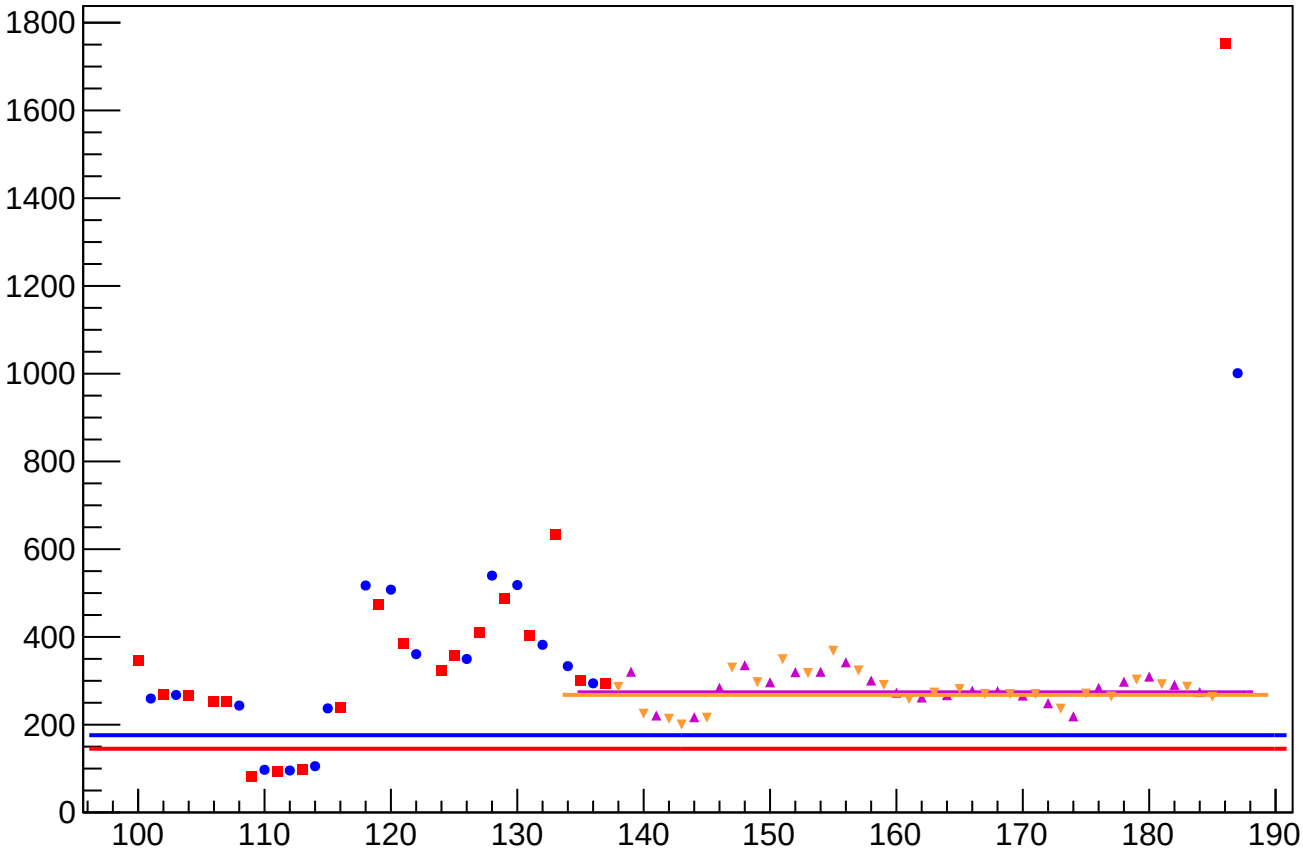
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -27.790+/-50.503 χ^2/NDF: 36.5/36

In: 2.834+/-49.931 χ^2/NDF:48.3/39

Out: -147.178+/-45.048 χ^2/NDF:81.3/44

All: -79.864+/-33.447 χ^2/NDF: 134.6/84



Right In: 176.060+/-0.056 χ^2/NDF: 4685574.0/16

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 145.200+/-0.047 χ^2/NDF: 5816199.1/19

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

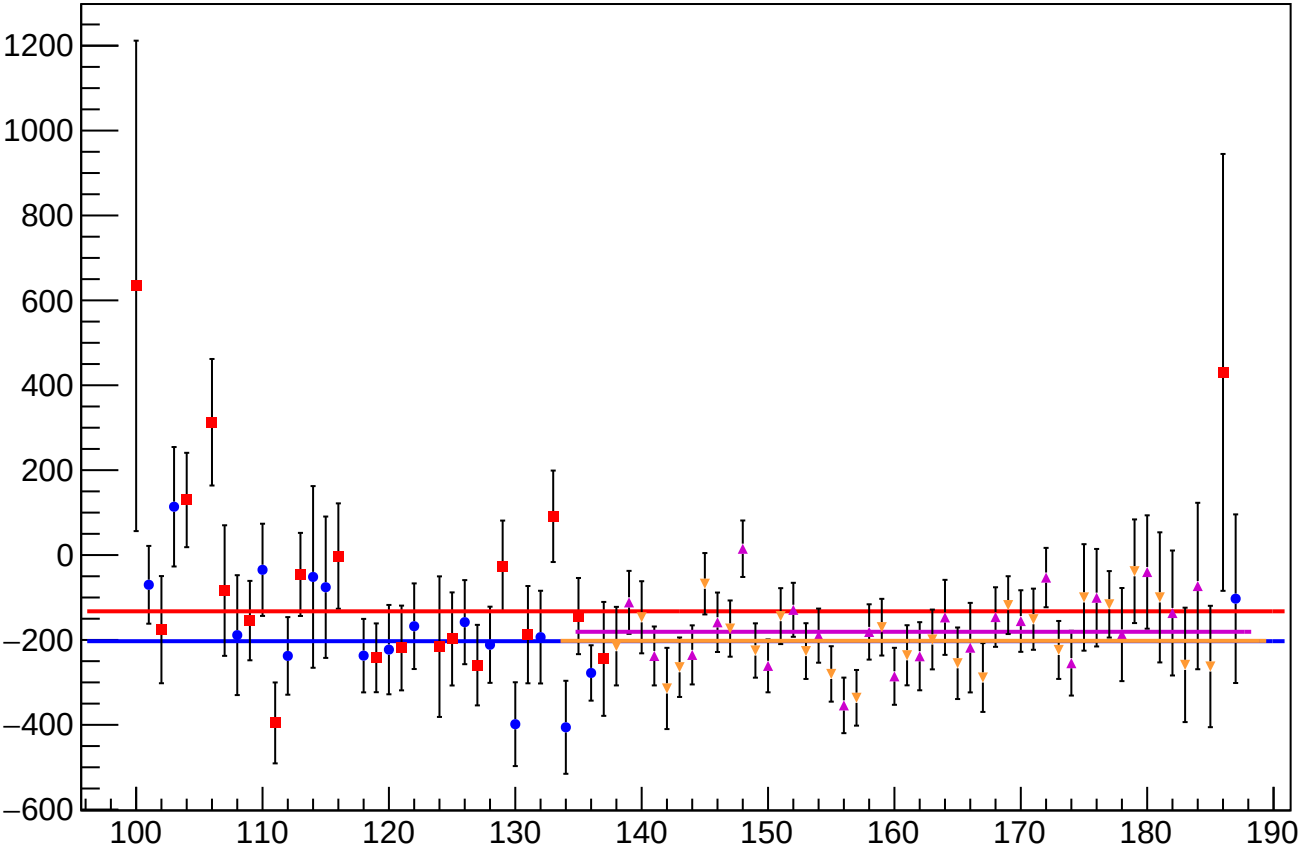
Right: 157.931+/-0.036 χ^2/NDF: 10682760.3/36

In: 234.357+/-0.035 χ^2/NDF:7178125.3/39

Out: 210.594+/-0.032 χ^2/NDF:10377820.7/44

All: 221.257+/-0.024 χ^2/NDF: 17805667.2/84

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -202.924+/-25.315 χ^2/NDF: 20.3/16

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -132.545+/-25.452 χ^2/NDF: 38.4/19

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

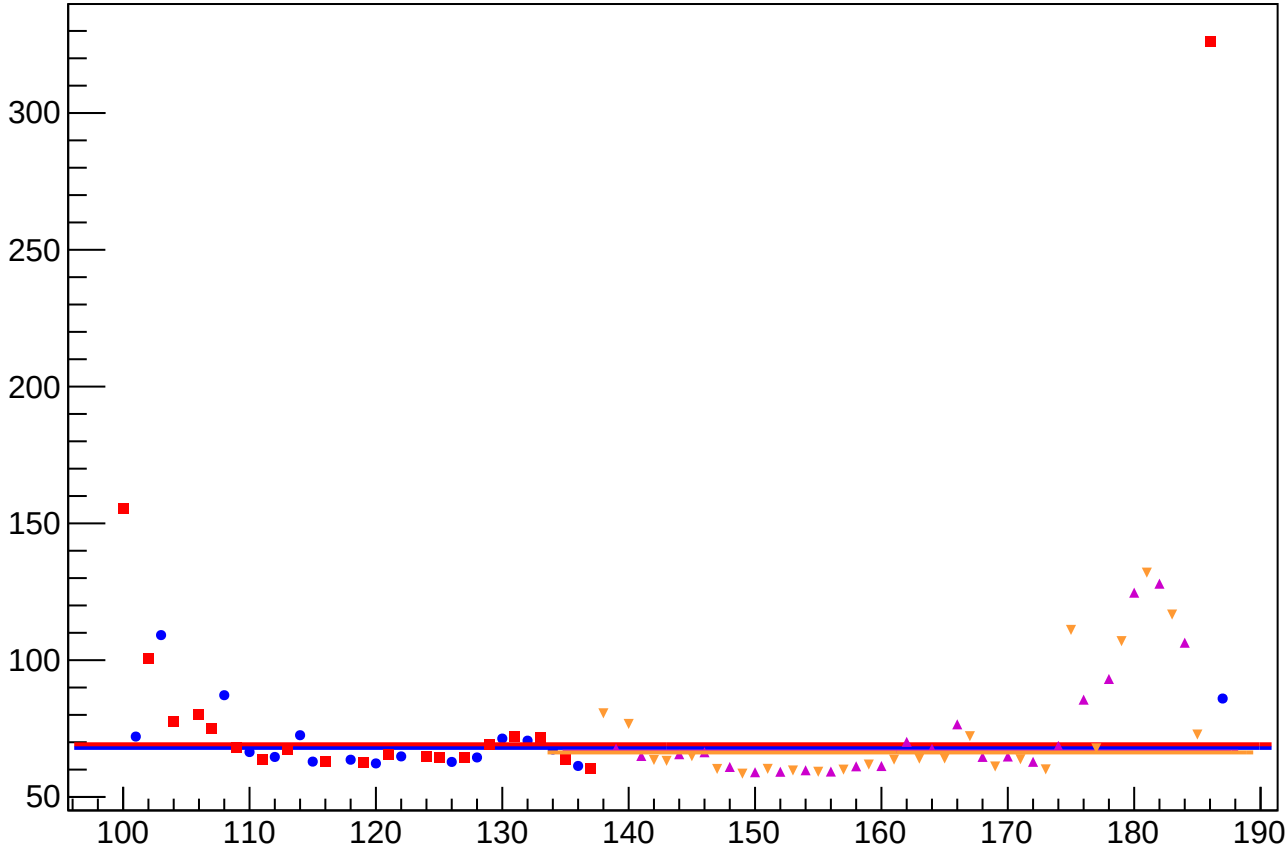
Right: -167.925+/-17.949 χ^2/NDF: 62.5/36

In: -187.115+/-13.537 χ^2/NDF:50.9/39

Out: -183.209+/-13.262 χ^2/NDF:65.4/44

All: -185.122+/-9.473 χ^2/NDF: 116.4/84

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.945+/-0.018 χ^2/NDF: 280426.9/16

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 69.254+/-0.018 χ^2/NDF: 747547.0/19

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

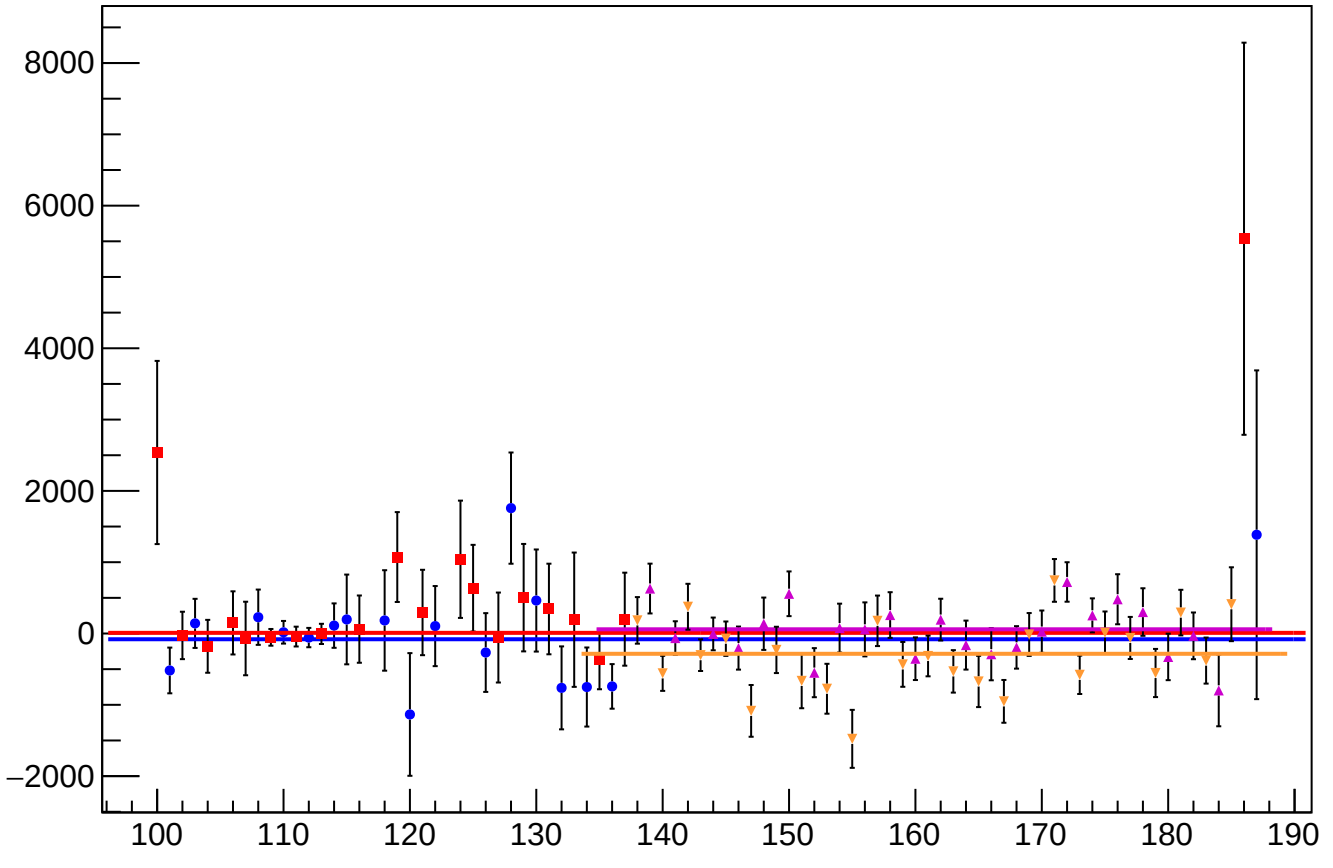
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 68.596+/-0.013 χ^2/NDF: 1030631.2/36

In: 66.974+/-0.010 χ^2/NDF:1442778.2/39

Out: 67.087+/-0.009 χ^2/NDF:2161328.5/44

All: 67.031+/-0.007 χ^2/NDF: 3604177.1/84



Right In: -80.519+/-78.630 χ^2/NDF: 19.6/16

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 9.238+/-65.891 χ^2/NDF: 16.1/19

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

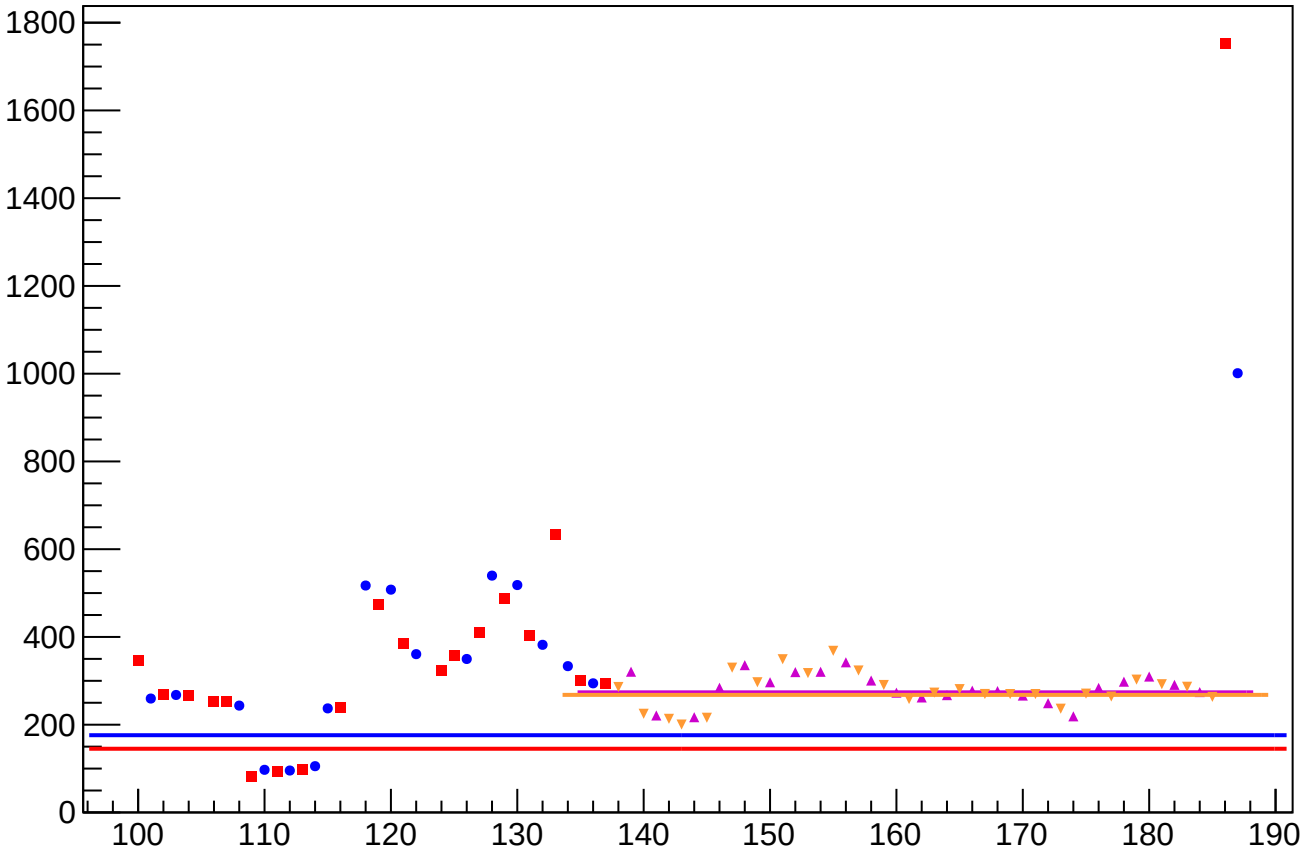
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -27.790+/-50.503 χ^2/NDF: 36.5/36

In: 2.835+/-49.931 χ^2/NDF:48.3/39

Out: -147.178+/-45.048 χ^2/NDF:81.3/44

All: -79.864+/-33.447 χ^2/NDF: 134.6/84



Right In: 176.059+/-0.056 χ^2/NDF: 4685596.3/16

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 145.199+/-0.047 χ^2/NDF: 5816179.4/19

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

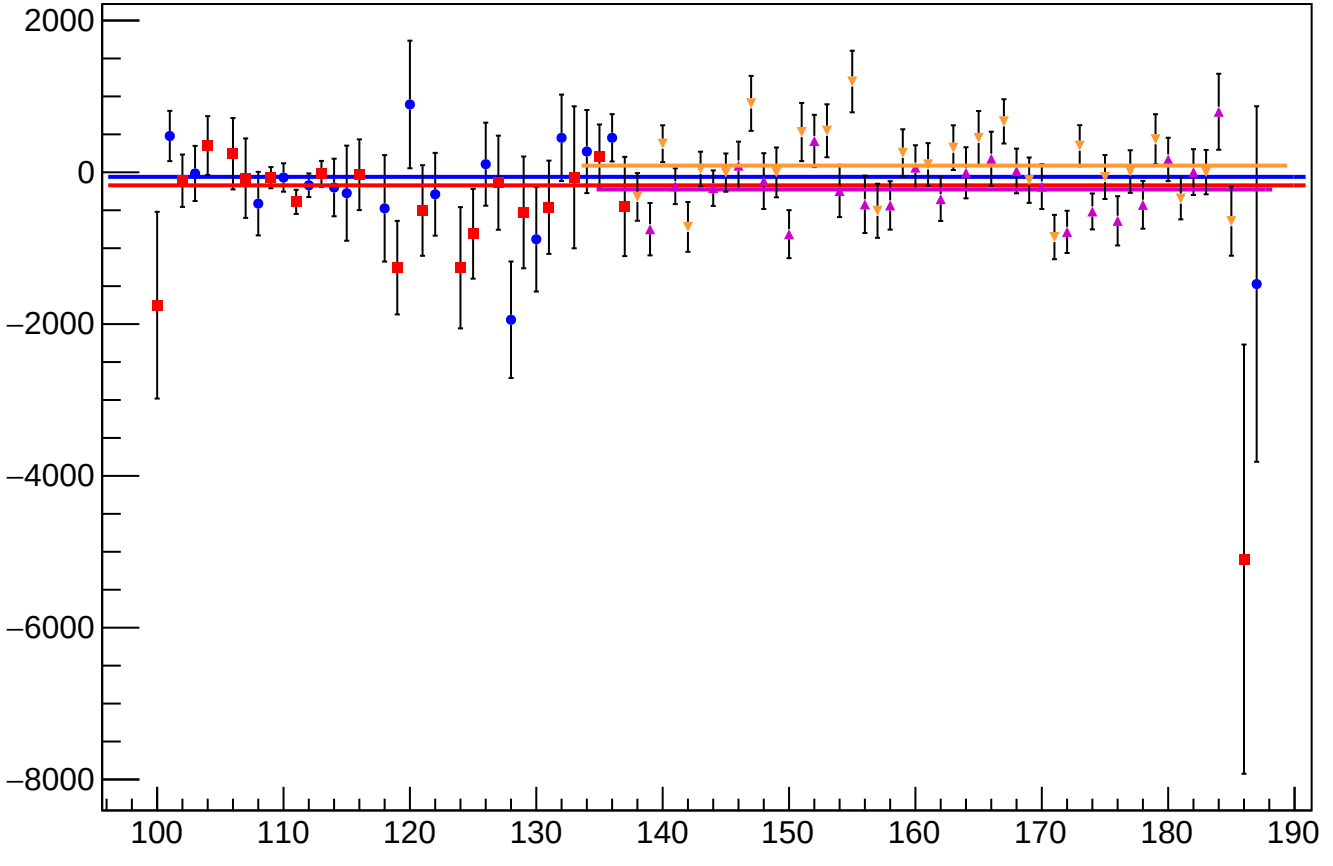
Right: 157.930+/-0.036 χ^2/NDF: 10682751.8/36

In: 234.356+/-0.035 χ^2/NDF:7178188.5/39

Out: 210.594+/-0.032 χ^2/NDF:10377793.4/44

All: 221.257+/-0.024 χ^2/NDF: 17805691.4/84

asym_sam8_mean vs Slug, Sign Corrected



Right In: -59.914+/-86.831 χ^2/NDF: 17.7/16

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -171.749+/-74.572 χ^2/NDF: 18.5/19

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

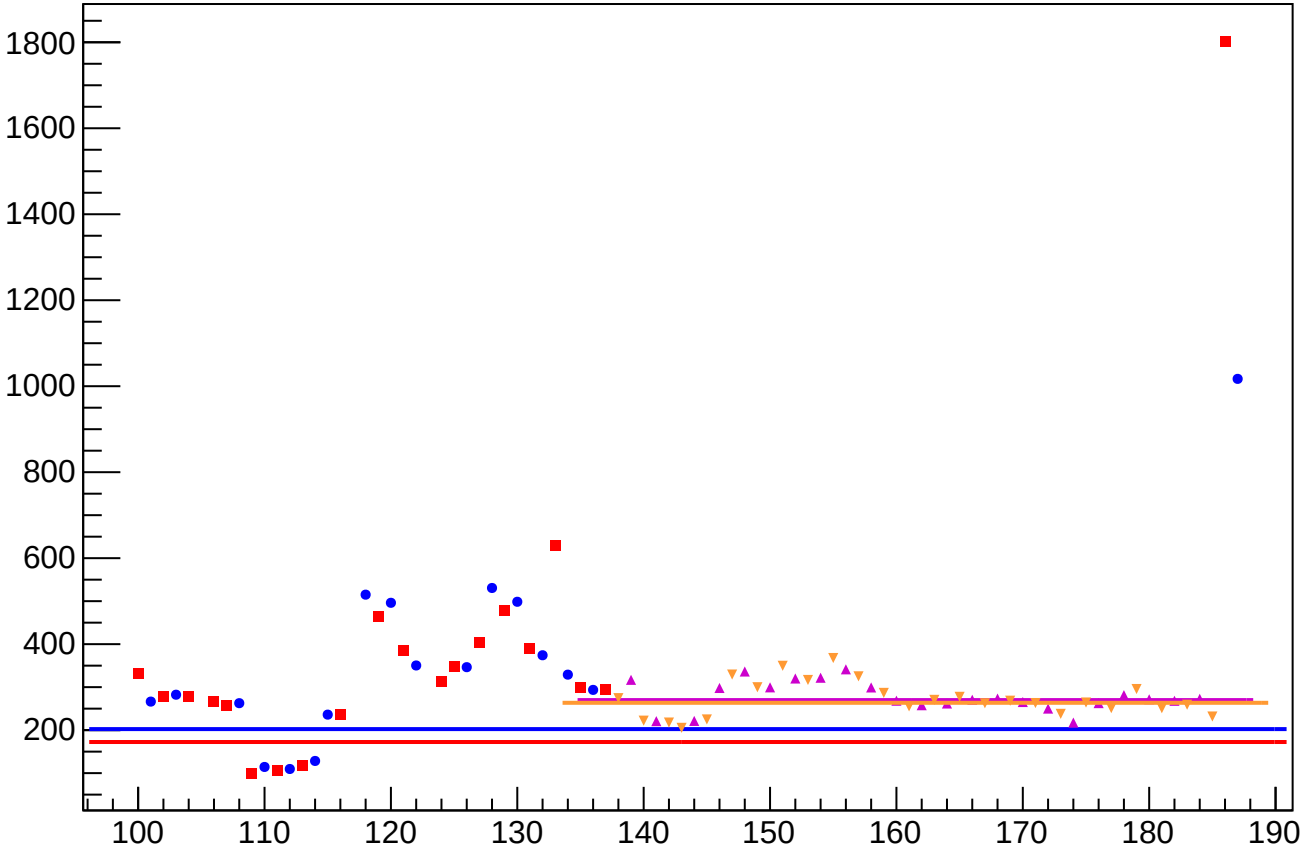
Right: -124.277+/-56.572 χ^2/NDF: 37.2/36

In: -168.480+/-51.349 χ^2/NDF:49.0/39

Out: -15.207+/-47.060 χ^2/NDF:78.1/44

All: -85.176+/-34.694 χ^2/NDF: 131.9/84

asym_sam8_rms vs Slug, Sign Corrected



Right In: 202.422+/-0.061 χ^2/NDF: 3814457.7/16

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 172.385+/-0.053 χ^2/NDF: 4856933.5/19

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

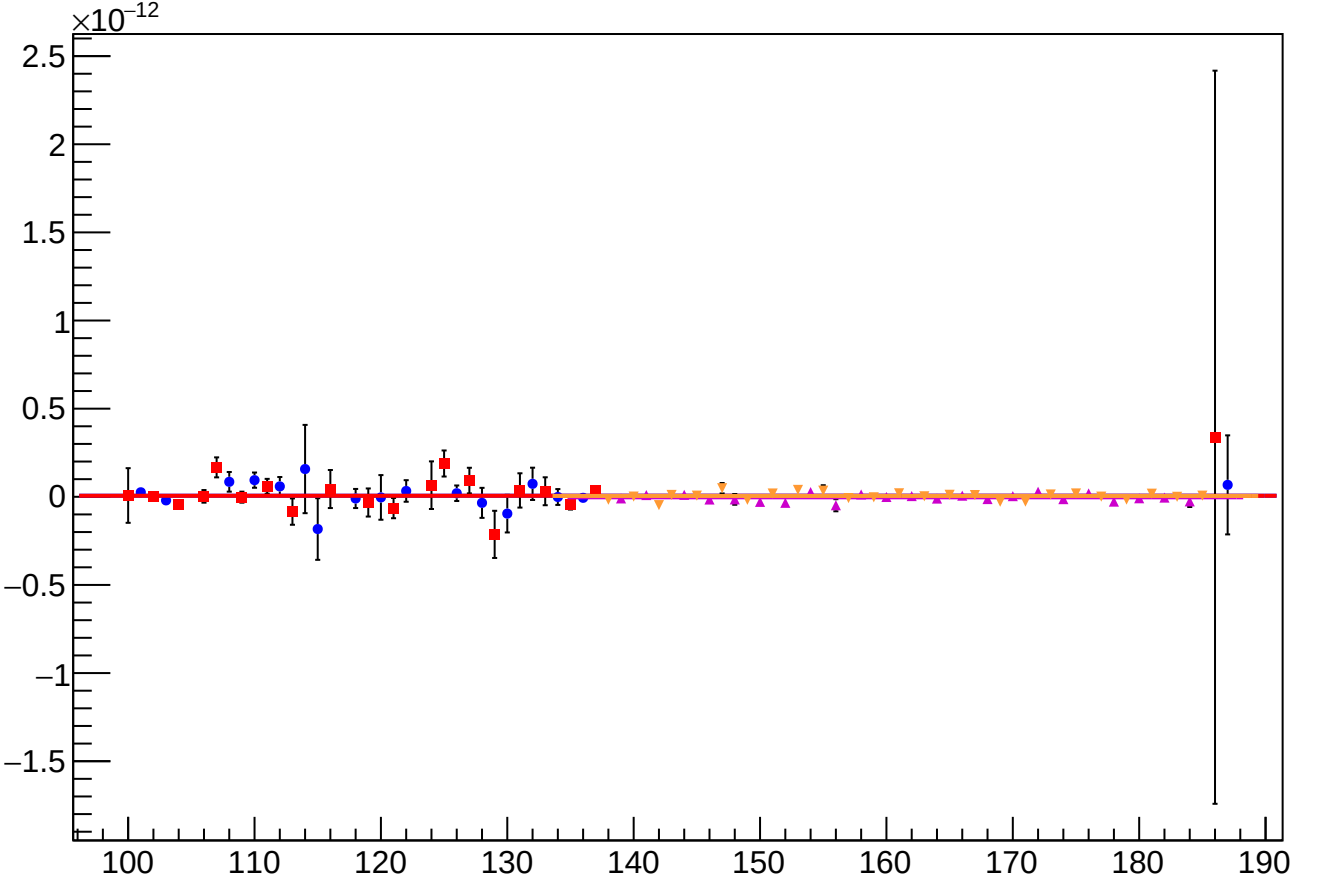
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 185.136+/-0.040 χ^2/NDF: 8809129.2/36

In: 246.300+/-0.036 χ^2/NDF:5202071.9/39

Out: 227.269+/-0.033 χ^2/NDF:7437130.6/44

All: 235.957+/-0.025 χ^2/NDF: 12788512.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/19

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

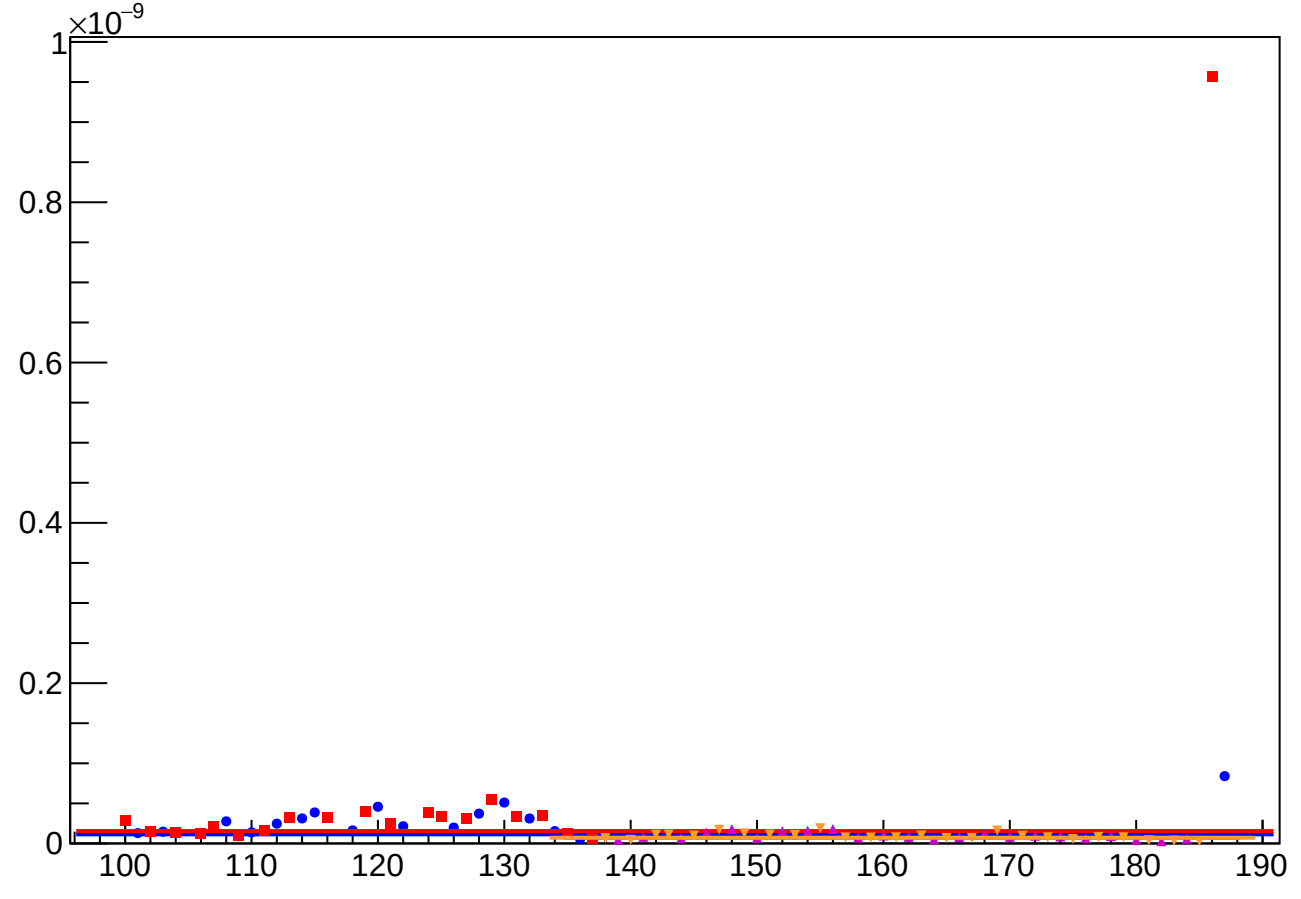
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 44.4/36

In: -0.000+/-0.000 χ^2/NDF:36.4/39

Out: 0.000+/-0.000 χ^2/NDF:58.4/44

All: 0.000+/-0.000 χ^2/NDF: 97.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 1922440.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1852017.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

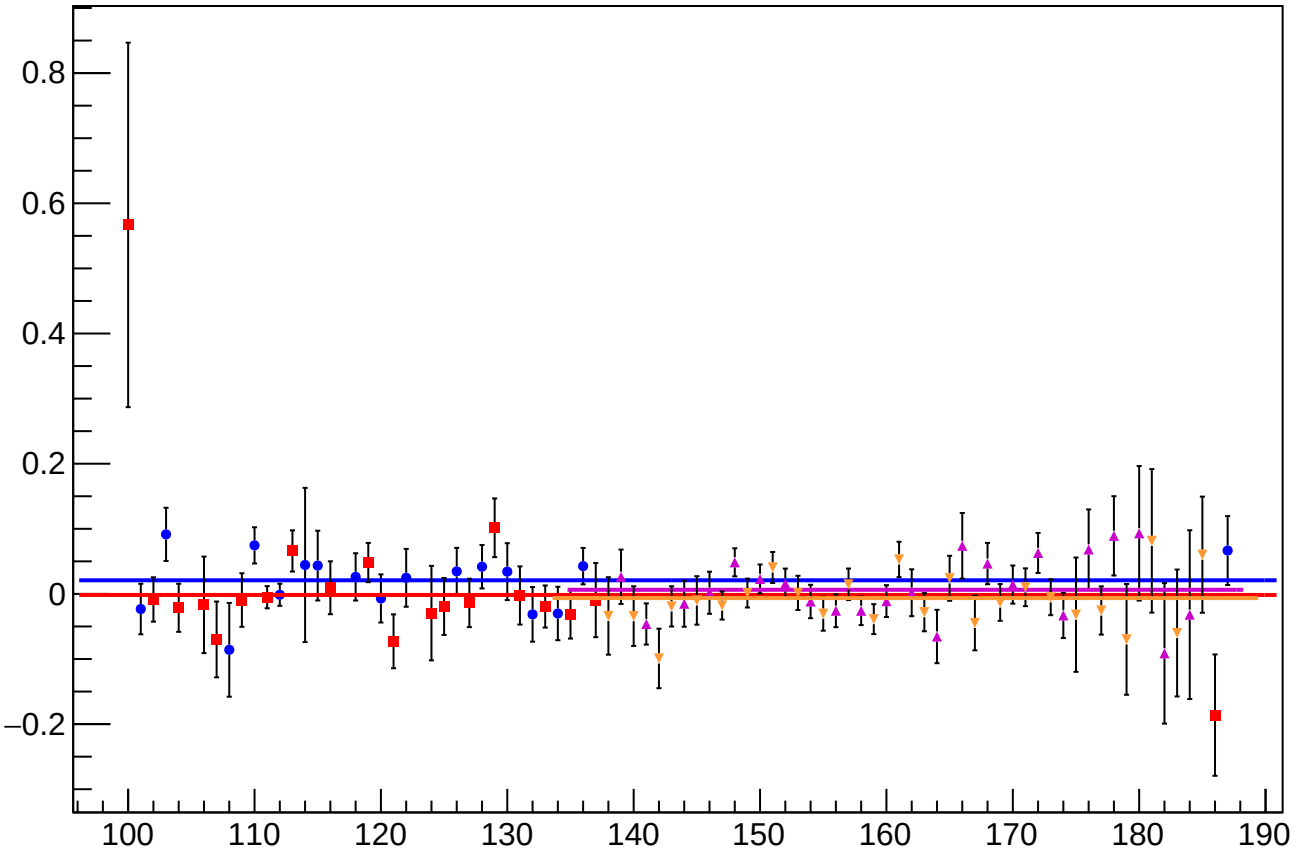
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 3971444.2/36

In: 0.000+/-0.000 χ^2/NDF:4446457.9/39

Out: 0.000+/-0.000 χ^2/NDF:5035676.4/44

All: 0.000+/-0.000 χ^2/NDF: 9486368.7/84



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.8/19

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

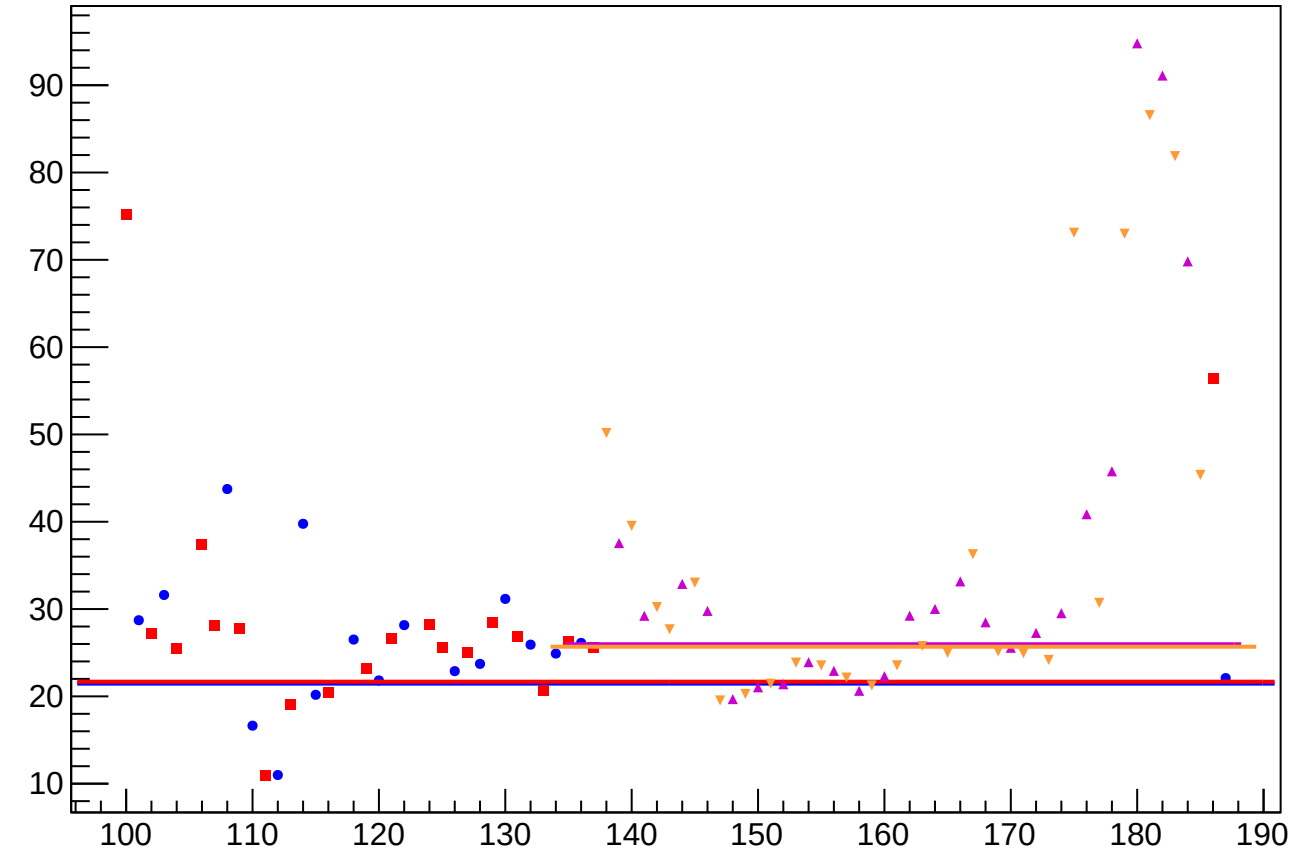
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.010+/-0.006 χ^2/NDF: 48.1/36

In: 0.012+/-0.005 χ^2/NDF:48.0/39

Out: -0.005+/-0.005 χ^2/NDF:49.6/44

All: 0.003+/-0.004 χ^2/NDF: 102.6/84



Right In: 21.461+/-0.006 χ^2/NDF: 1541009.1/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 21.678+/-0.006 χ^2/NDF: 1591146.4/19

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

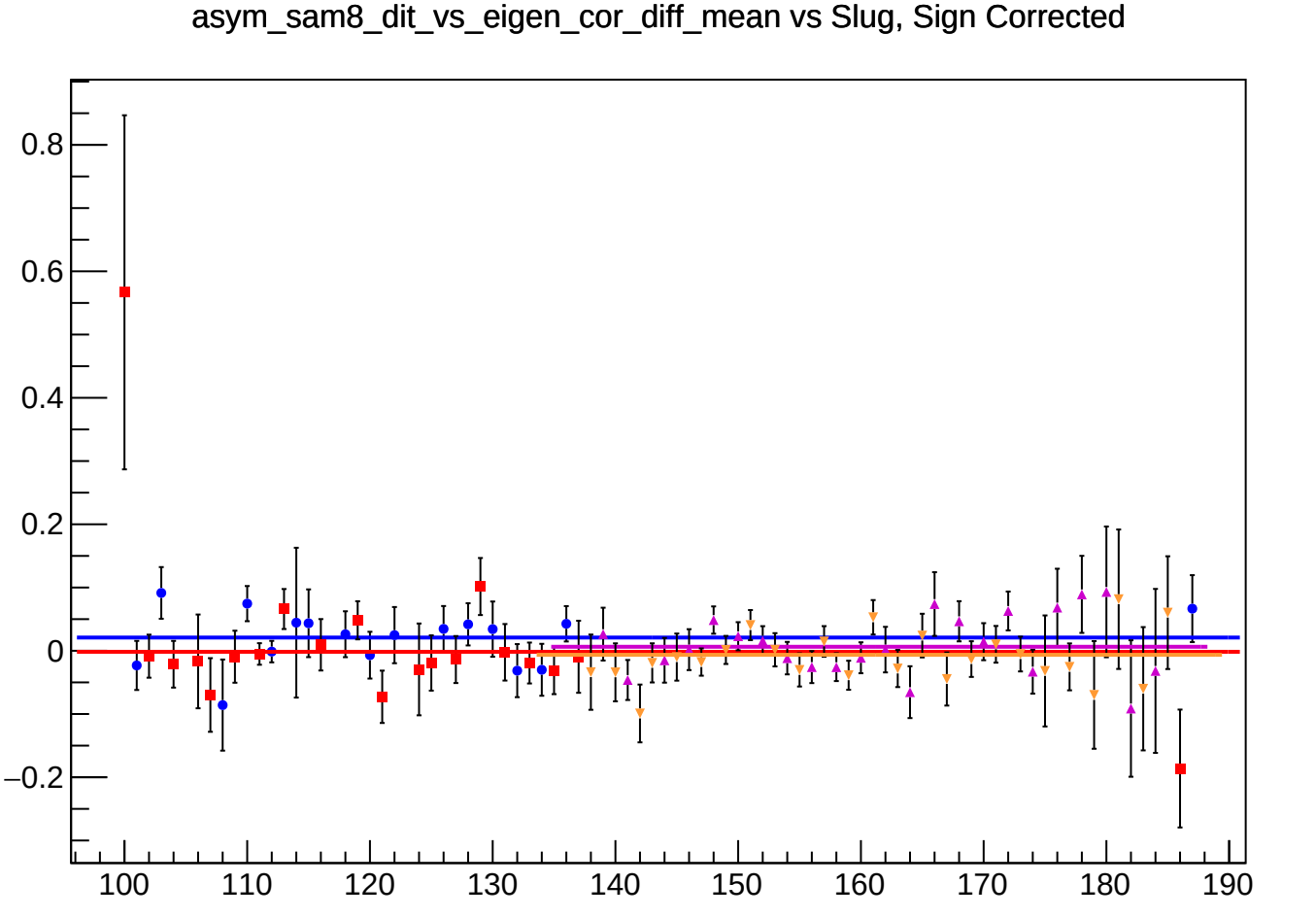
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 21.571+/-0.004 χ^2/NDF: 3132808.4/36

In: 24.284+/-0.004 χ^2/NDF:5006112.5/39

Out: 24.231+/-0.004 χ^2/NDF:5747677.8/44

All: 24.257+/-0.003 χ^2/NDF: 10753897.9/84



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.8/19

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

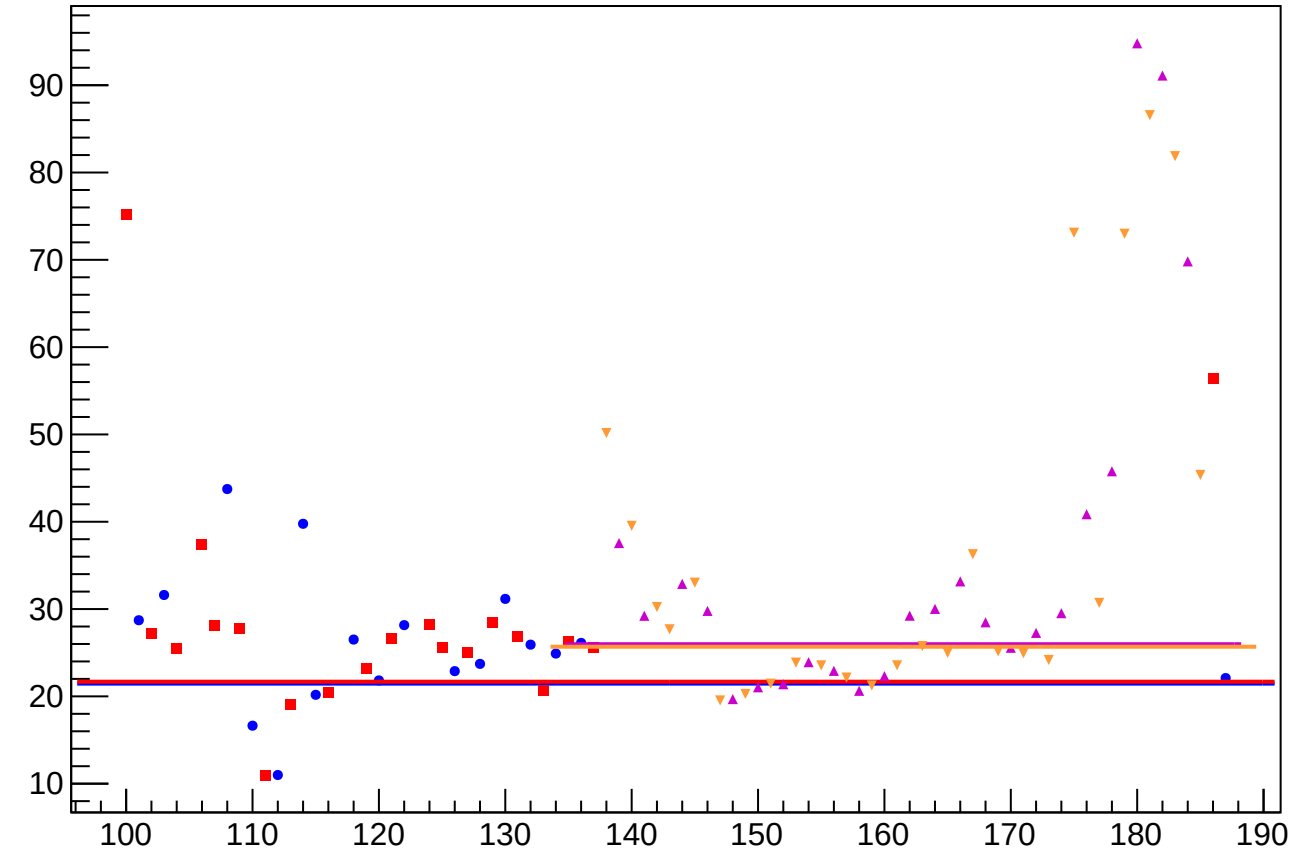
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.010+/-0.006 χ^2/NDF: 48.1/36

In: 0.012+/-0.005 χ^2/NDF:48.0/39

Out: -0.005+/-0.005 χ^2/NDF:49.6/44

All: 0.003+/-0.004 χ^2/NDF: 102.6/84



Right In: 21.461+/-0.006 χ^2/NDF: 1541009.1/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 21.678+/-0.006 χ^2/NDF: 1591146.4/19

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

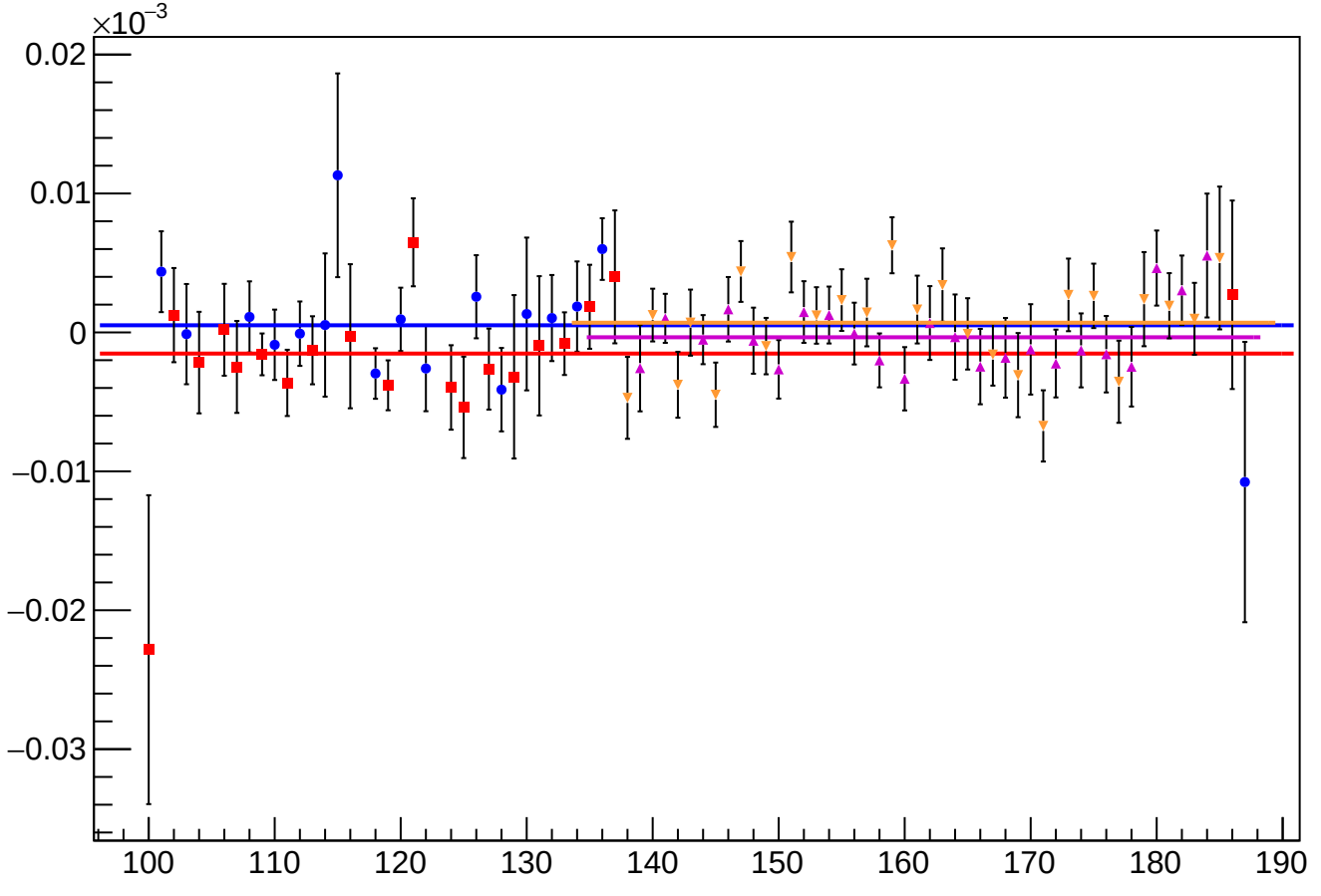
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 21.571+/-0.004 χ^2/NDF: 3132808.4/36

In: 24.284+/-0.004 χ^2/NDF:5006112.5/39

Out: 24.231+/-0.004 χ^2/NDF:5747677.8/44

All: 24.257+/-0.003 χ^2/NDF: 10753897.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

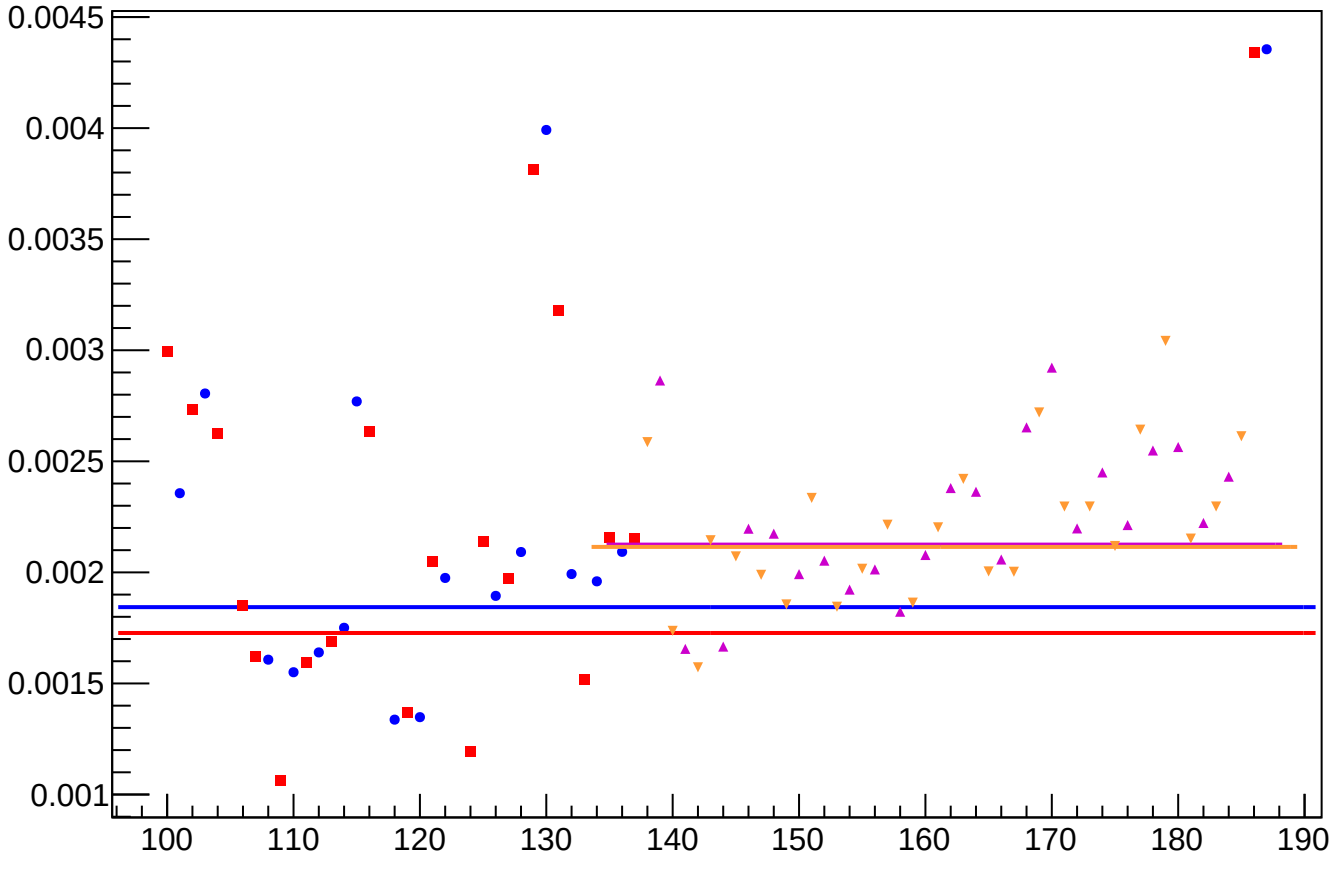
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: -0.000+/-0.000 χ^2/NDF: 42.7/36

In: -0.000+/-0.000 χ^2/NDF:36.9/39

Out: -0.000+/-0.000 χ^2/NDF:70.4/44

All: -0.000+/-0.000 χ^2/NDF: 107.3/84



Right In: 0.002+/-0.000 χ^2/NDF: 1024914.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 1777137.9/19

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

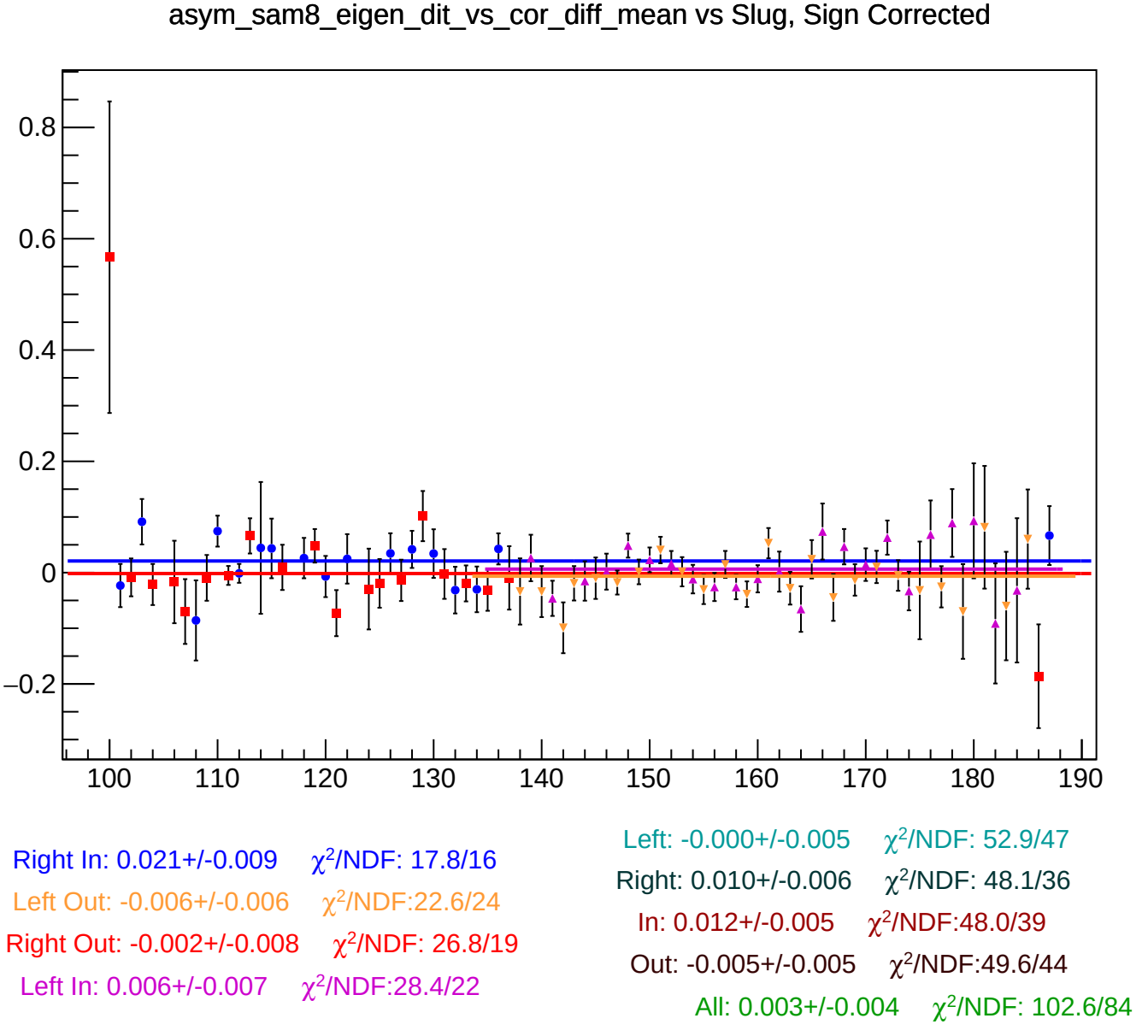
Left: 0.002+/-0.000 χ^2/NDF: 1581867.2/47

Right: 0.002+/-0.000 χ^2/NDF: 2831282.0/36

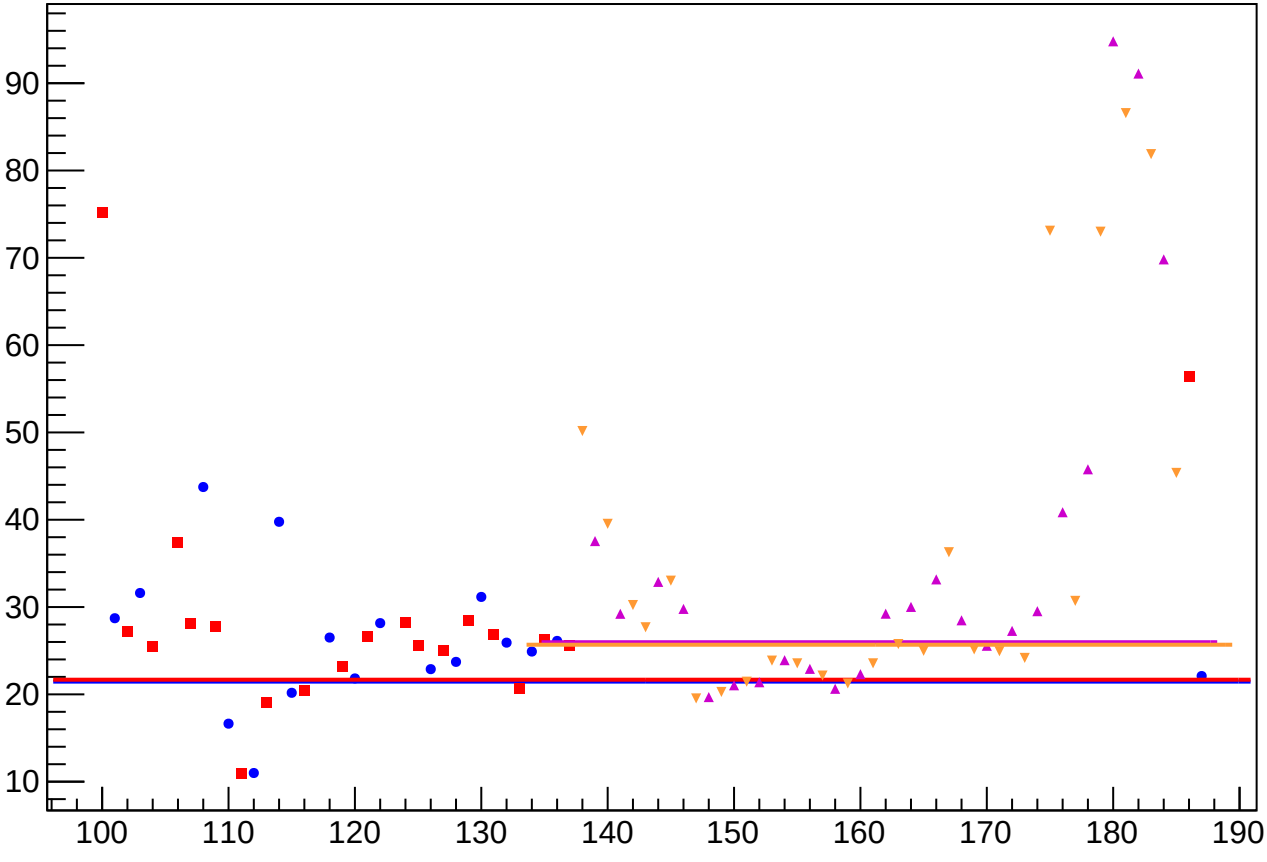
In: 0.002+/-0.000 χ^2/NDF:2073872.3/39

Out: 0.002+/-0.000 χ^2/NDF:2971112.0/44

All: 0.002+/-0.000 χ^2/NDF: 5062317.2/84


asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.021+/-0.009 χ²/NDF: 17.8/16
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.002+/-0.008 χ²/NDF: 26.8/19
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: 0.010+/-0.006 χ²/NDF: 48.1/36
In: 0.012+/-0.005 χ²/NDF:48.0/39
Out: -0.005+/-0.005 χ²/NDF:49.6/44
All: 0.003+/-0.004 χ²/NDF: 102.6/84

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.460+/-0.006 χ^2/NDF: 1541157.7/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 21.678+/-0.006 χ^2/NDF: 1591280.5/19

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

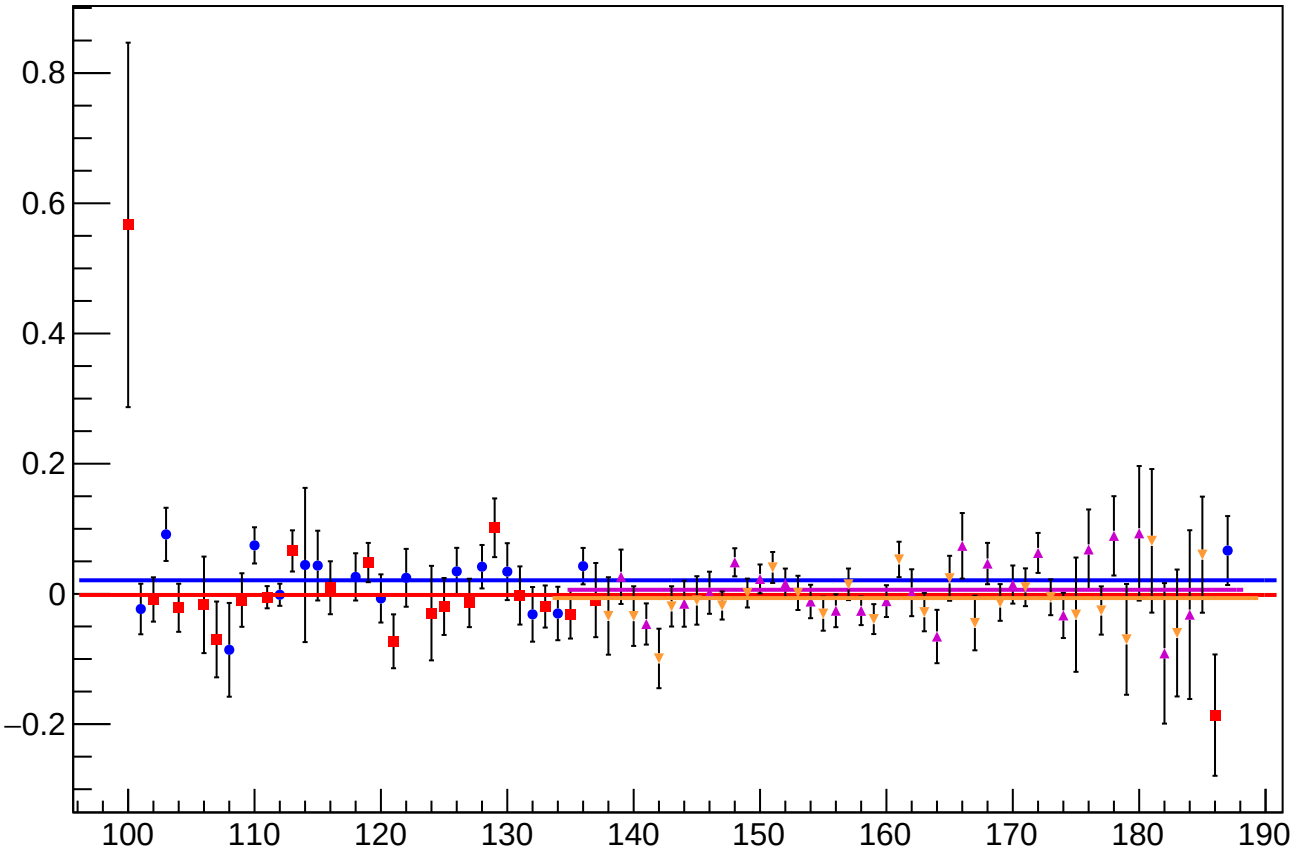
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 21.570+/-0.004 χ^2/NDF: 3133090.7/36

In: 24.284+/-0.004 χ^2/NDF:5006362.5/39

Out: 24.230+/-0.004 χ^2/NDF:5747931.8/44

All: 24.256+/-0.003 χ^2/NDF: 10754402.0/84



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.8/19

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

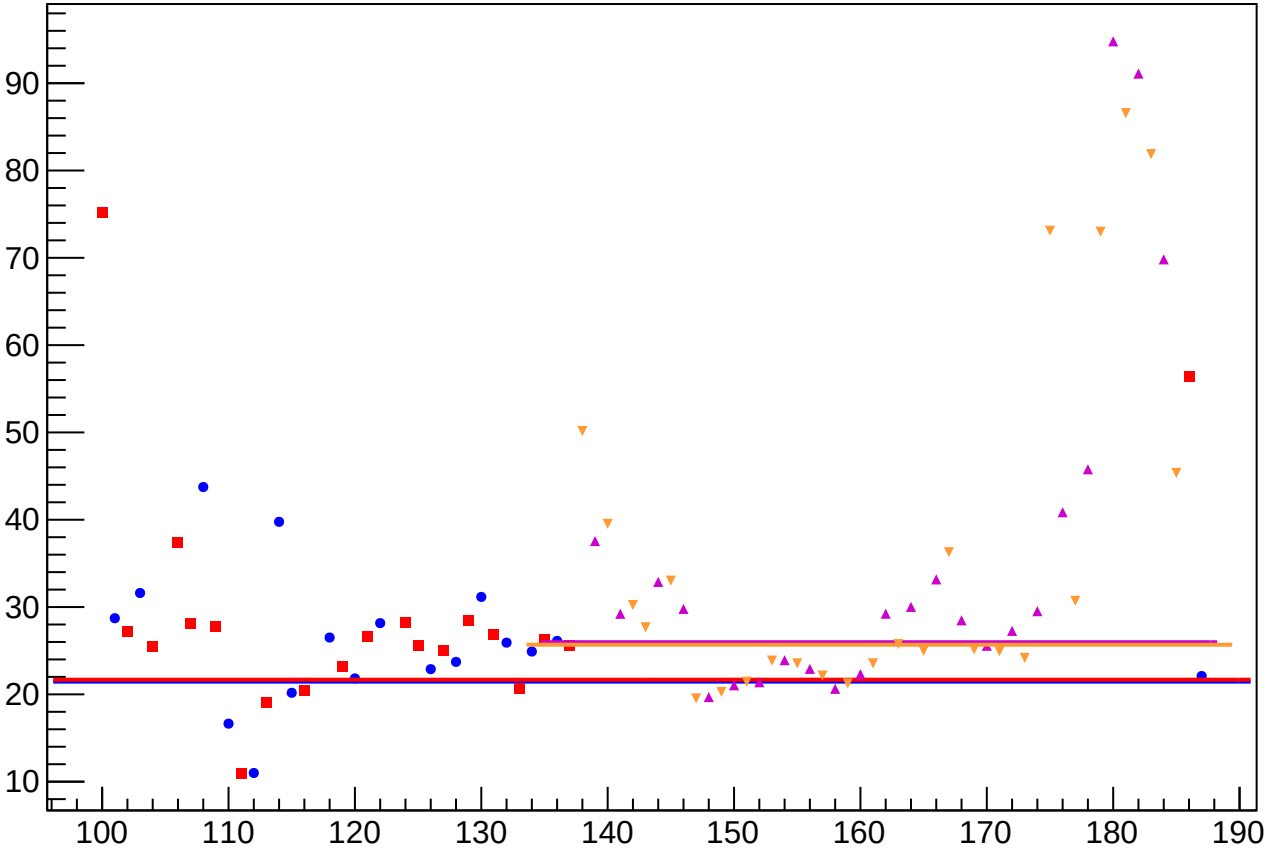
Right: 0.010+/-0.006 χ^2/NDF: 48.1/36

In: 0.012+/-0.005 χ^2/NDF:48.0/39

Out: -0.005+/-0.005 χ^2/NDF:49.6/44

All: 0.003+/-0.004 χ^2/NDF: 102.6/84

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.460+/-0.006 χ^2/NDF: 1541157.7/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 21.678+/-0.006 χ^2/NDF: 1591280.5/19

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

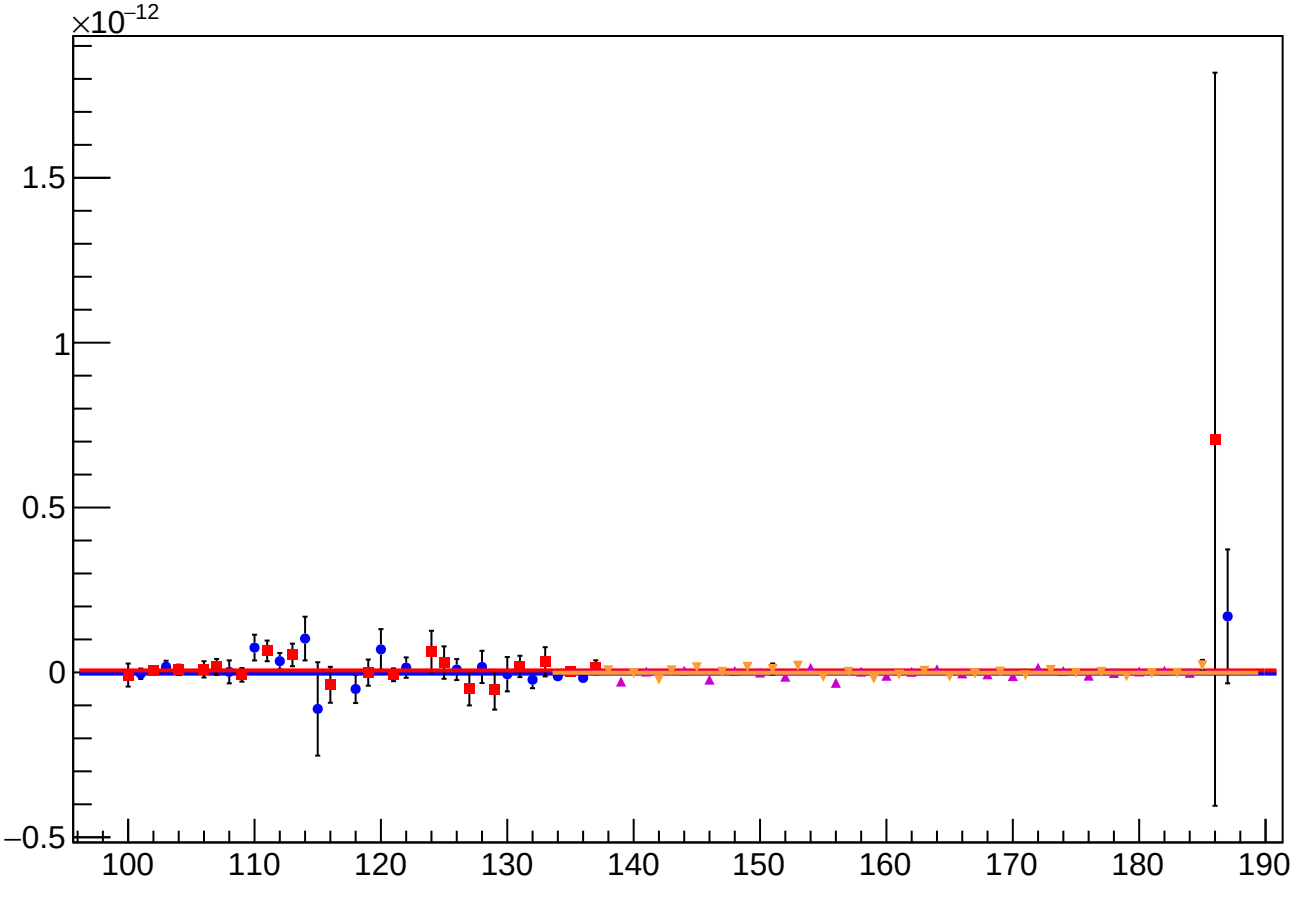
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 21.570+/-0.004 χ^2/NDF: 3133090.7/36

In: 24.284+/-0.004 χ^2/NDF:5006362.5/39

Out: 24.230+/-0.004 χ^2/NDF:5747931.8/44

All: 24.256+/-0.003 χ^2/NDF: 10754402.0/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11.7/19

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

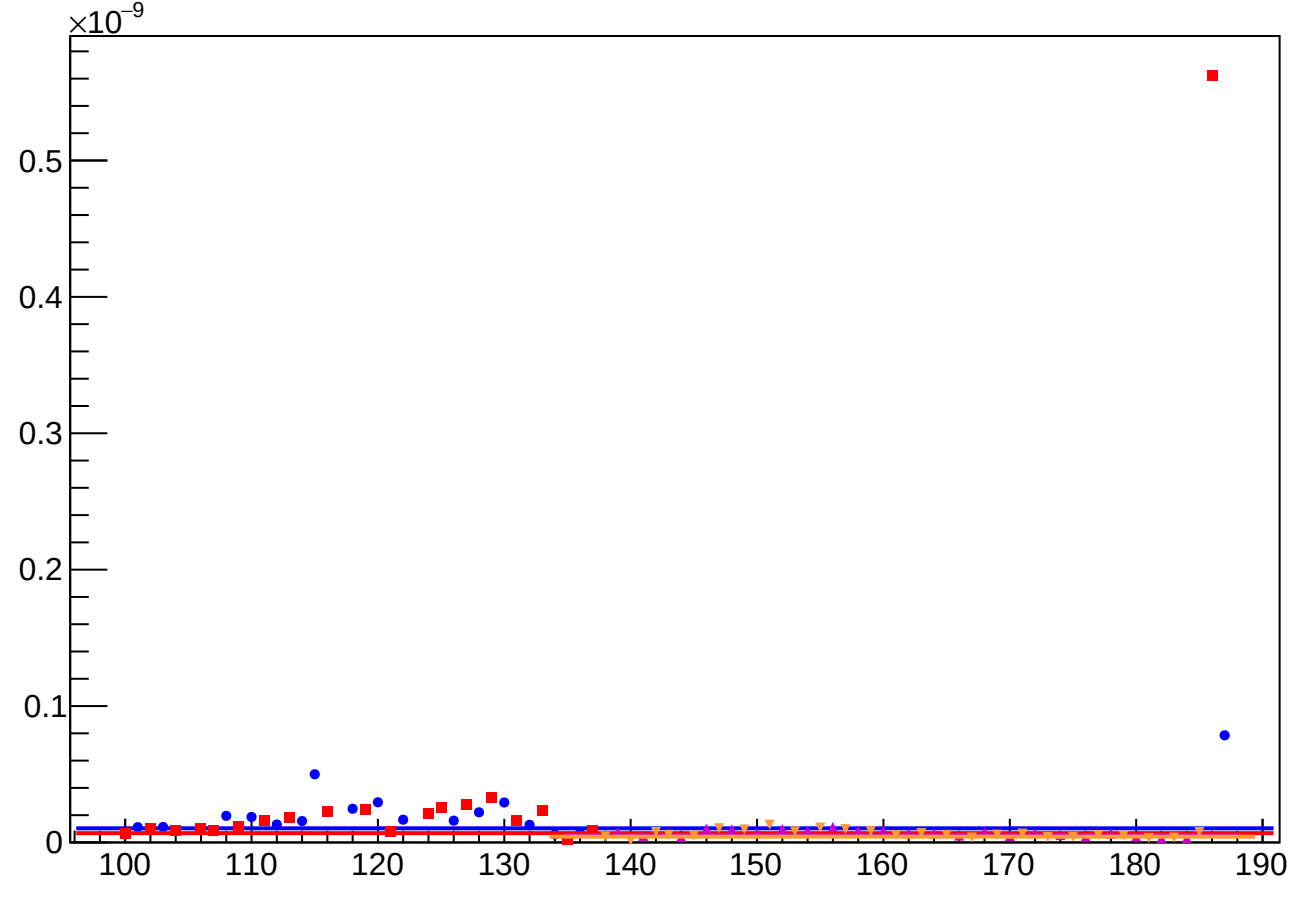
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 31.5/36

In: -0.000+/-0.000 χ^2/NDF:47.9/39

Out: -0.000+/-0.000 χ^2/NDF:42.9/44

All: -0.000+/-0.000 χ^2/NDF: 90.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 2176940.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4521266.1/19

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

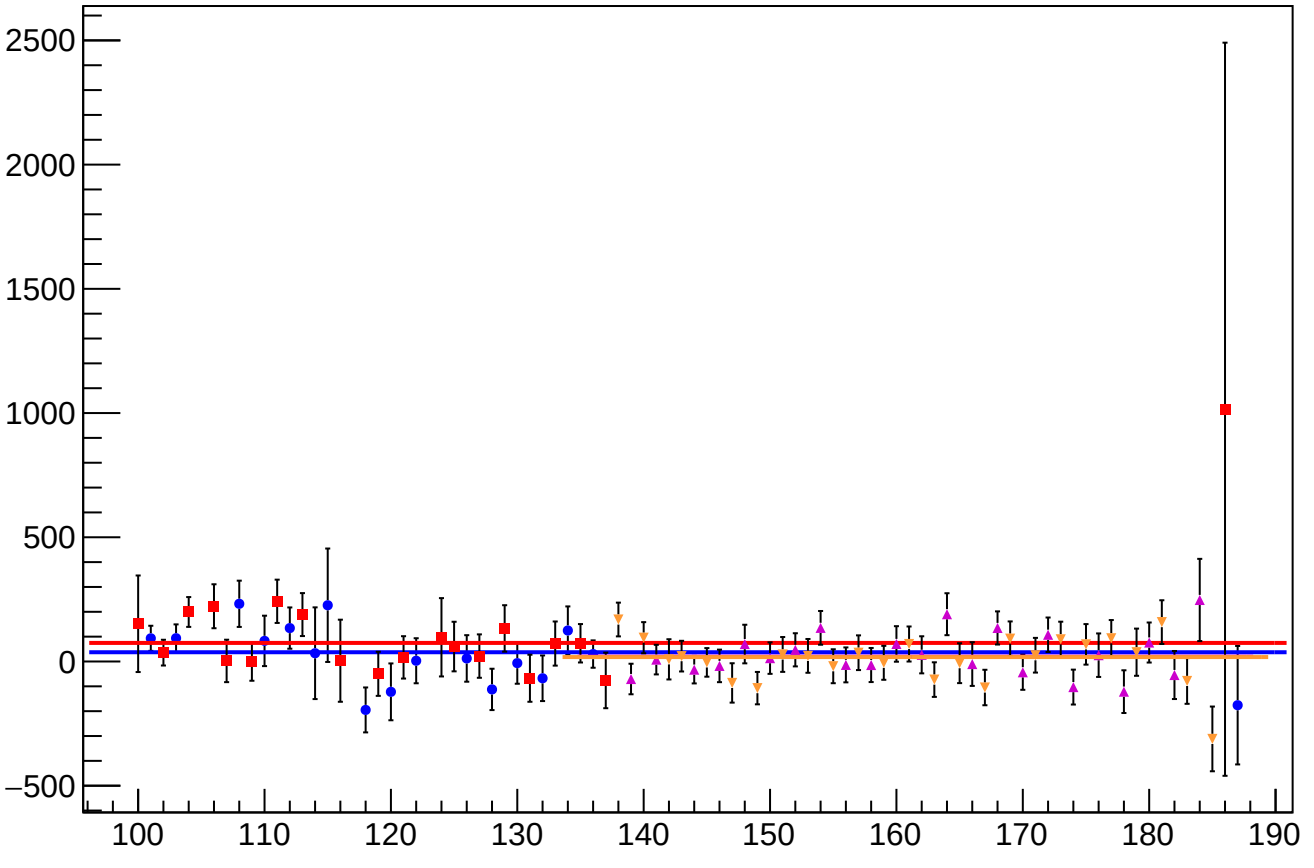
Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7210807.0/36

In: 0.000+/-0.000 χ^2/NDF:6451512.9/39

Out: 0.000+/-0.000 χ^2/NDF:10557673.0/44

All: 0.000+/-0.000 χ^2/NDF: 17883323.1/84



Right In: 37.220+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 74.748+/-19.800 χ^2/NDF: 22.9/19

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

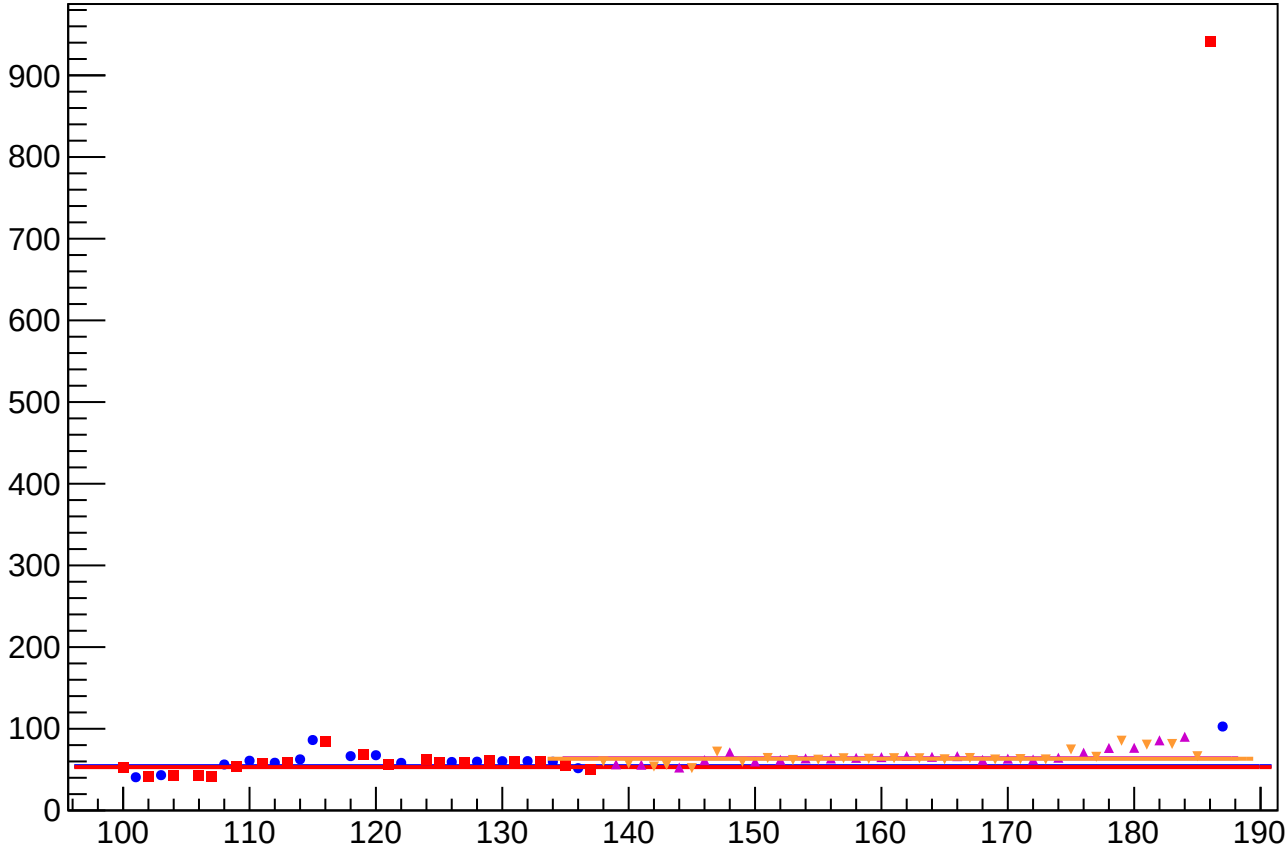
Right: 56.488+/-14.187 χ^2/NDF: 48.7/36

In: 25.856+/-12.093 χ^2/NDF:50.8/39

Out: 37.671+/-11.696 χ^2/NDF:59.8/44

All: 31.961+/-8.407 χ^2/NDF: 111.1/84

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.268+/-0.014 χ^2/NDF: 476582.0/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 53.049+/-0.014 χ^2/NDF: 1150012.4/19

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

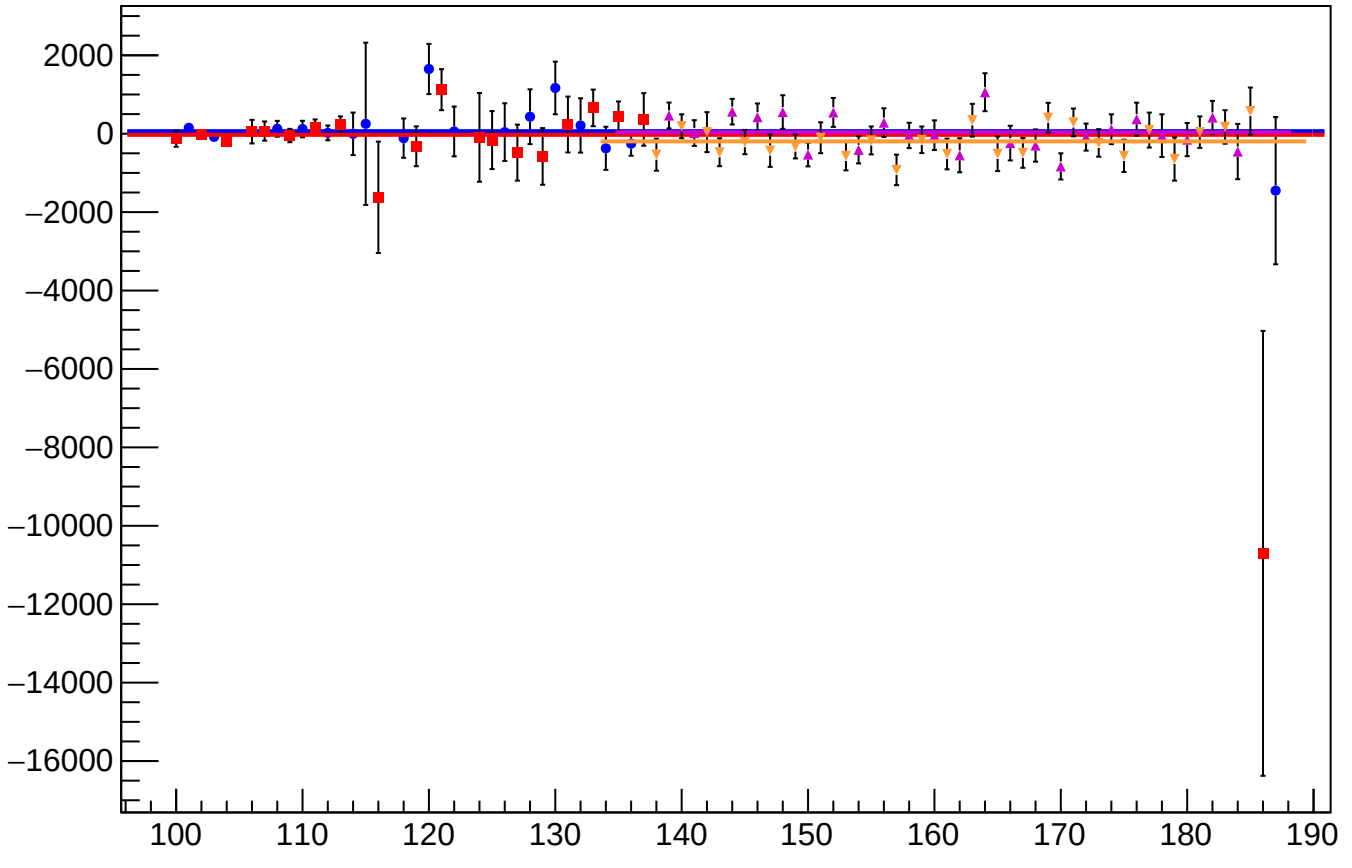
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 53.642+/-0.010 χ^2/NDF: 1630281.3/36

In: 60.506+/-0.009 χ^2/NDF:1212996.3/39

Out: 59.731+/-0.008 χ^2/NDF:1997323.4/44

All: 60.106+/-0.006 χ^2/NDF: 3214568.1/84



Right In: 64.923+/-46.464 χ^2/NDF: 16.4/16

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -28.689+/-50.289 χ^2/NDF: 21.5/19

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

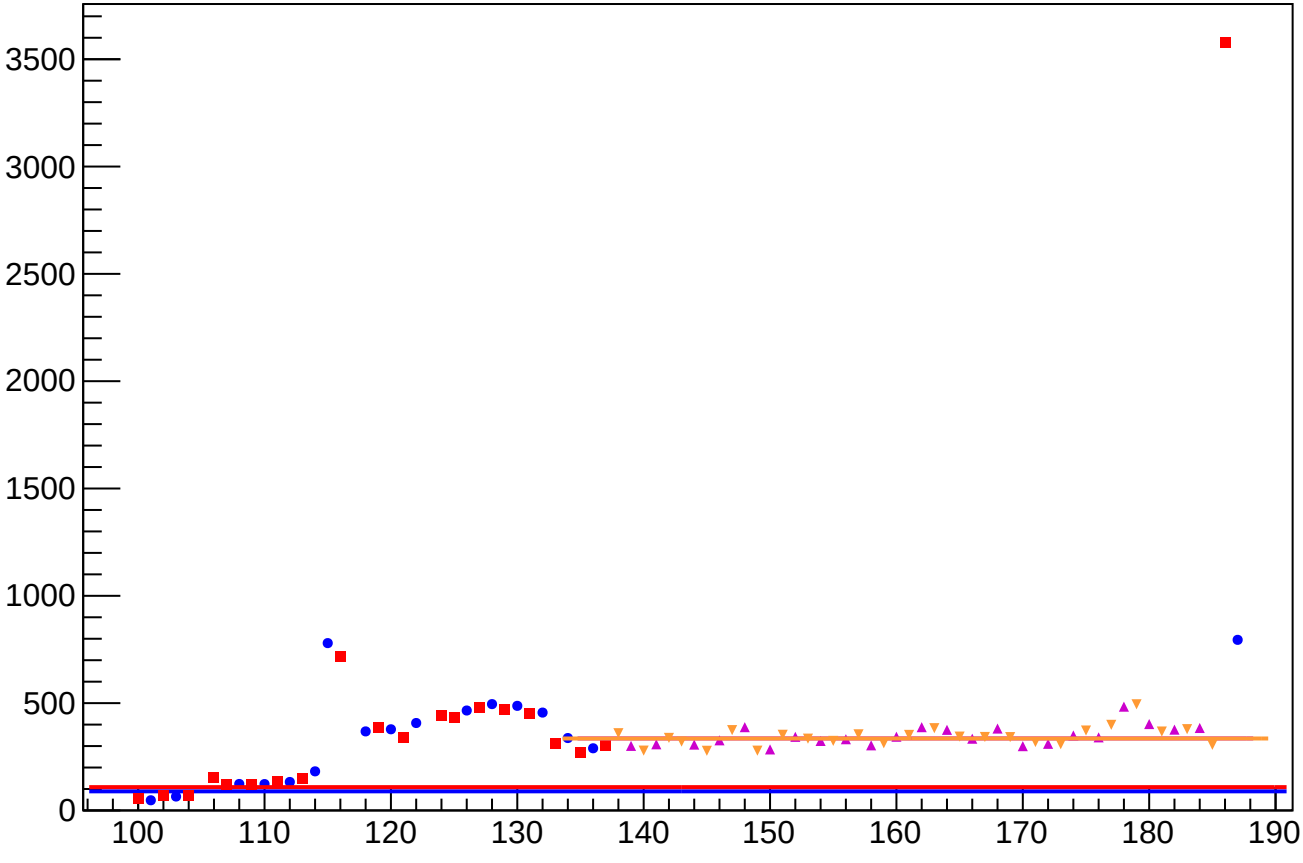
Right: 21.812+/-34.127 χ^2/NDF: 39.8/36

In: 57.625+/-40.078 χ^2/NDF:47.5/39

Out: -78.620+/-42.119 χ^2/NDF:45.4/44

All: -7.116+/-29.034 χ^2/NDF: 98.5/84

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 89.090+/-0.033 χ^2/NDF: 6930792.0/16

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 108.658+/-0.036 χ^2/NDF: 6110228.8/19

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

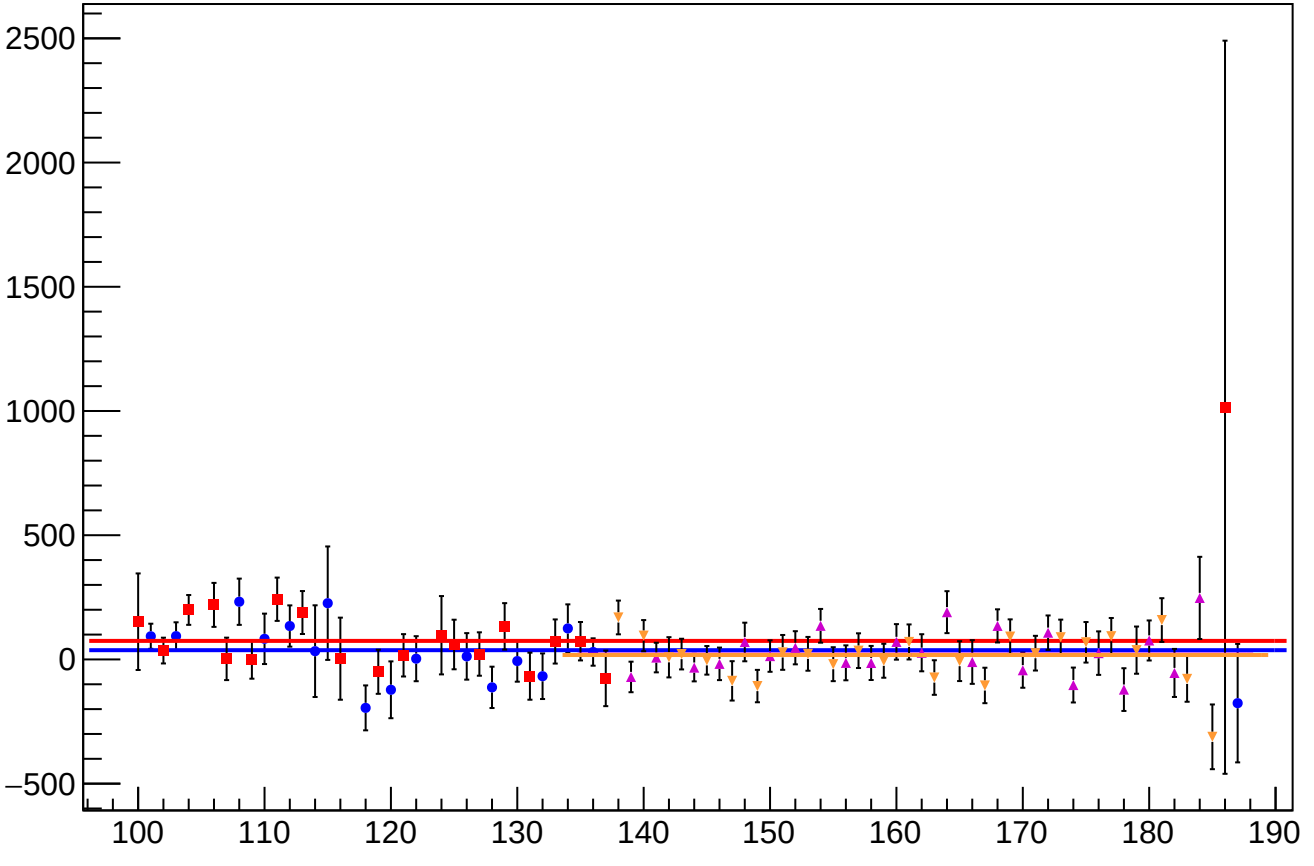
Right: 98.102+/-0.024 χ^2/NDF: 13204370.6/36

In: 152.179+/-0.028 χ^2/NDF:21828825.4/39

Out: 176.308+/-0.030 χ^2/NDF:18797733.1/44

All: 163.645+/-0.021 χ^2/NDF: 40971043.2/84

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.232+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 74.612+/-19.801 χ^2/NDF: 22.8/19

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

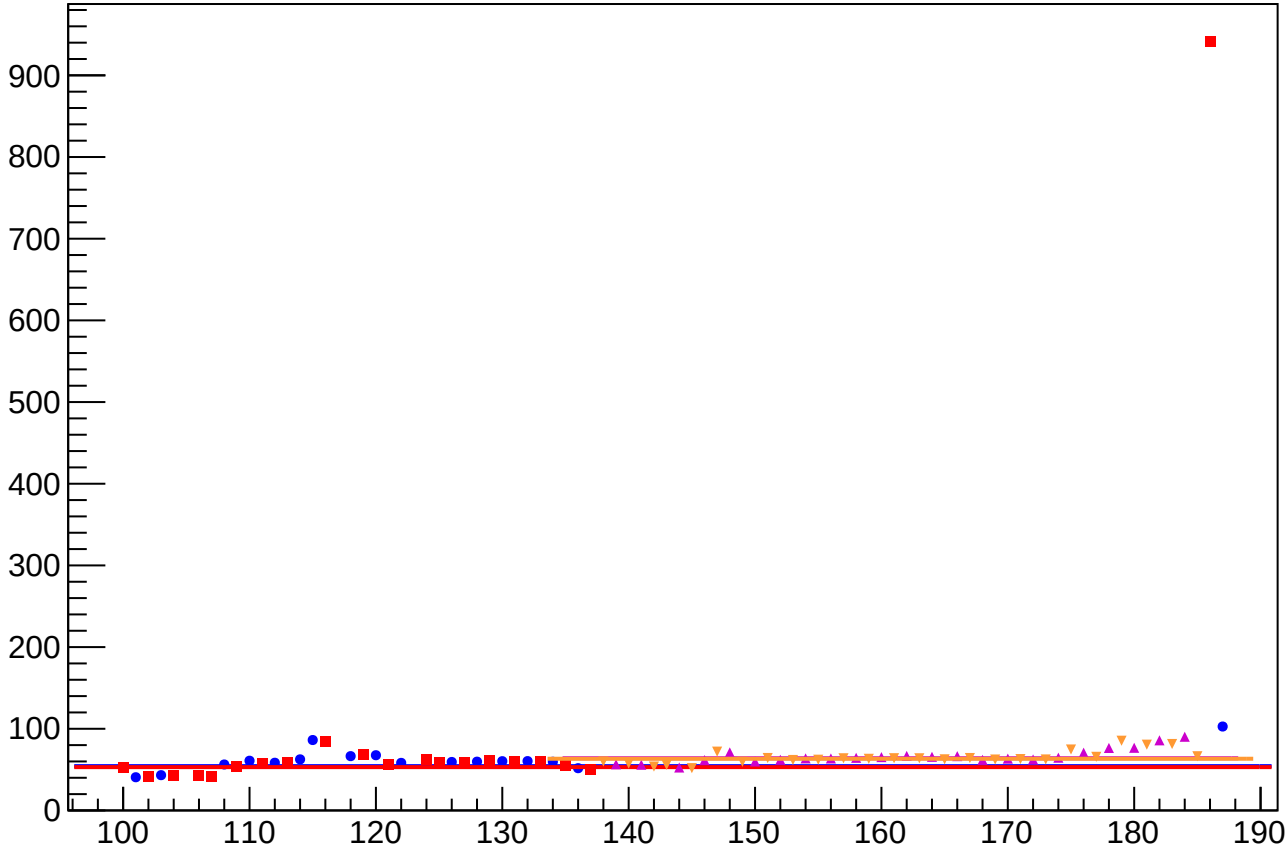
Right: 56.422+/-14.188 χ^2/NDF: 48.6/36

In: 25.860+/-12.093 χ^2/NDF:50.8/39

Out: 37.624+/-11.696 χ^2/NDF:59.7/44

All: 31.938+/-8.407 χ^2/NDF: 111.0/84

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.268+/-0.014 χ^2/NDF: 476581.4/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 53.047+/-0.014 χ^2/NDF: 1150323.7/19

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

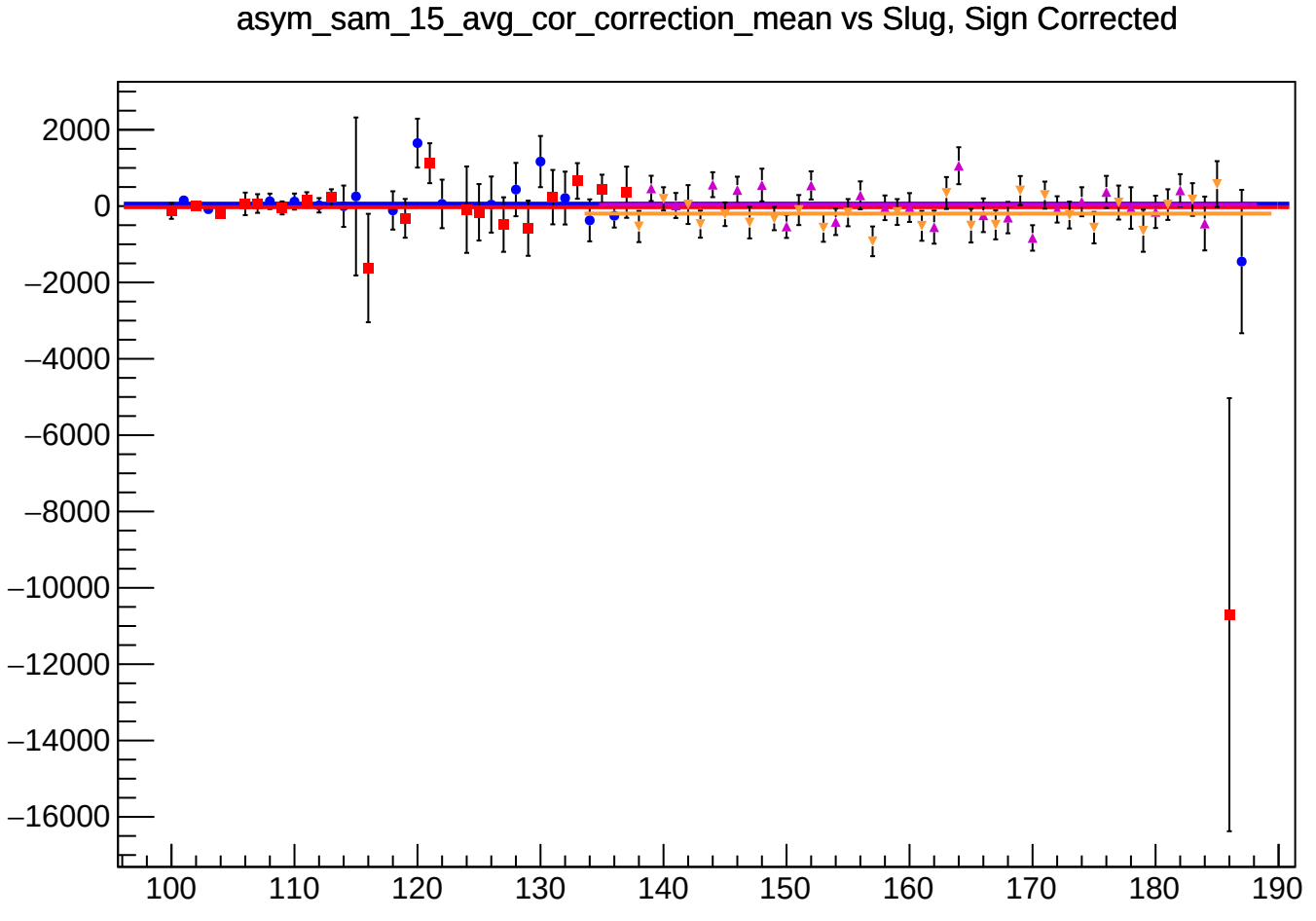
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 53.641+/-0.010 χ^2/NDF: 1630605.1/36

In: 60.506+/-0.009 χ^2/NDF:1212995.3/39

Out: 59.731+/-0.008 χ^2/NDF:1997754.0/44

All: 60.106+/-0.006 χ^2/NDF: 3215002.5/84



Right In: 64.927+/-46.463 χ^2/NDF: 16.4/16

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -28.243+/-50.247 χ^2/NDF: 21.5/19

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

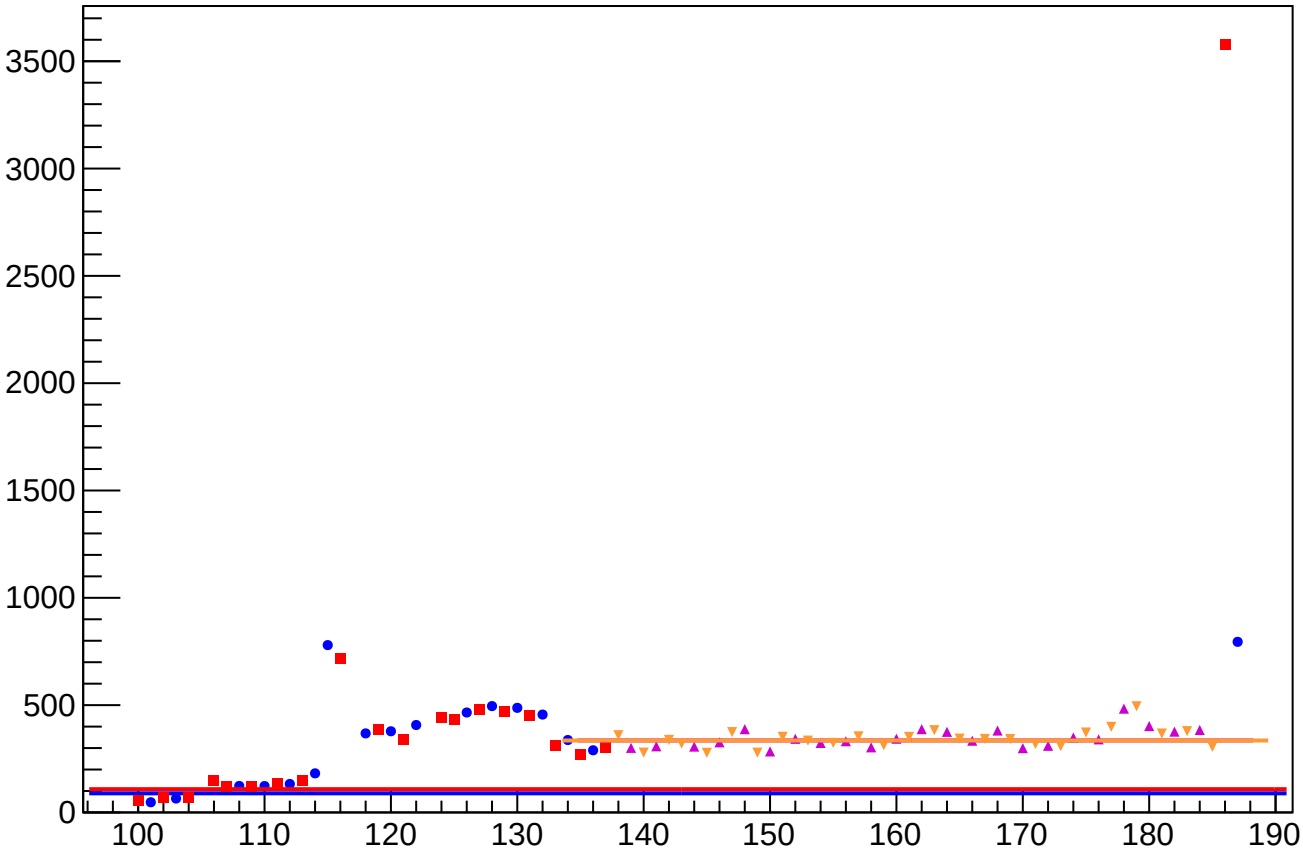
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 21.981+/-34.114 χ^2/NDF: 39.8/36

In: 57.628+/-40.077 χ^2/NDF:47.5/39

Out: -78.246+/-42.094 χ^2/NDF:45.5/44

All: -6.976+/-29.026 χ^2/NDF: 98.5/84



Right In: 89.088+/-0.033 χ^2/NDF: 6930873.8/16

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 108.479+/-0.036 χ^2/NDF: 6102328.7/19

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

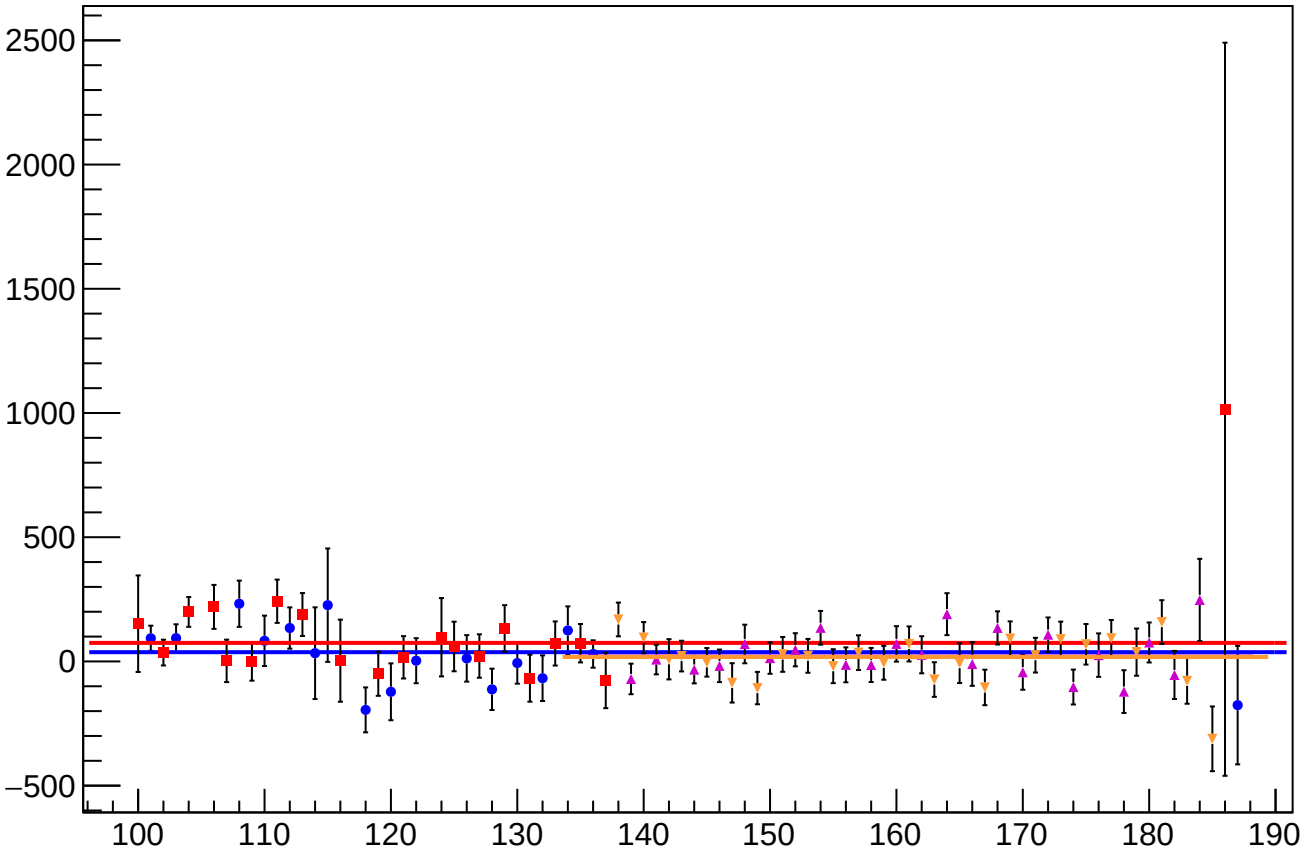
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 98.026+/-0.024 χ^2/NDF: 13193769.7/36

In: 152.175+/-0.028 χ^2/NDF:21829362.1/39

Out: 176.102+/-0.030 χ^2/NDF:18815165.8/44

All: 163.552+/-0.021 χ^2/NDF: 40983475.9/84



Right In: 37.232+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 74.612+/-19.801 χ^2/NDF: 22.8/19

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

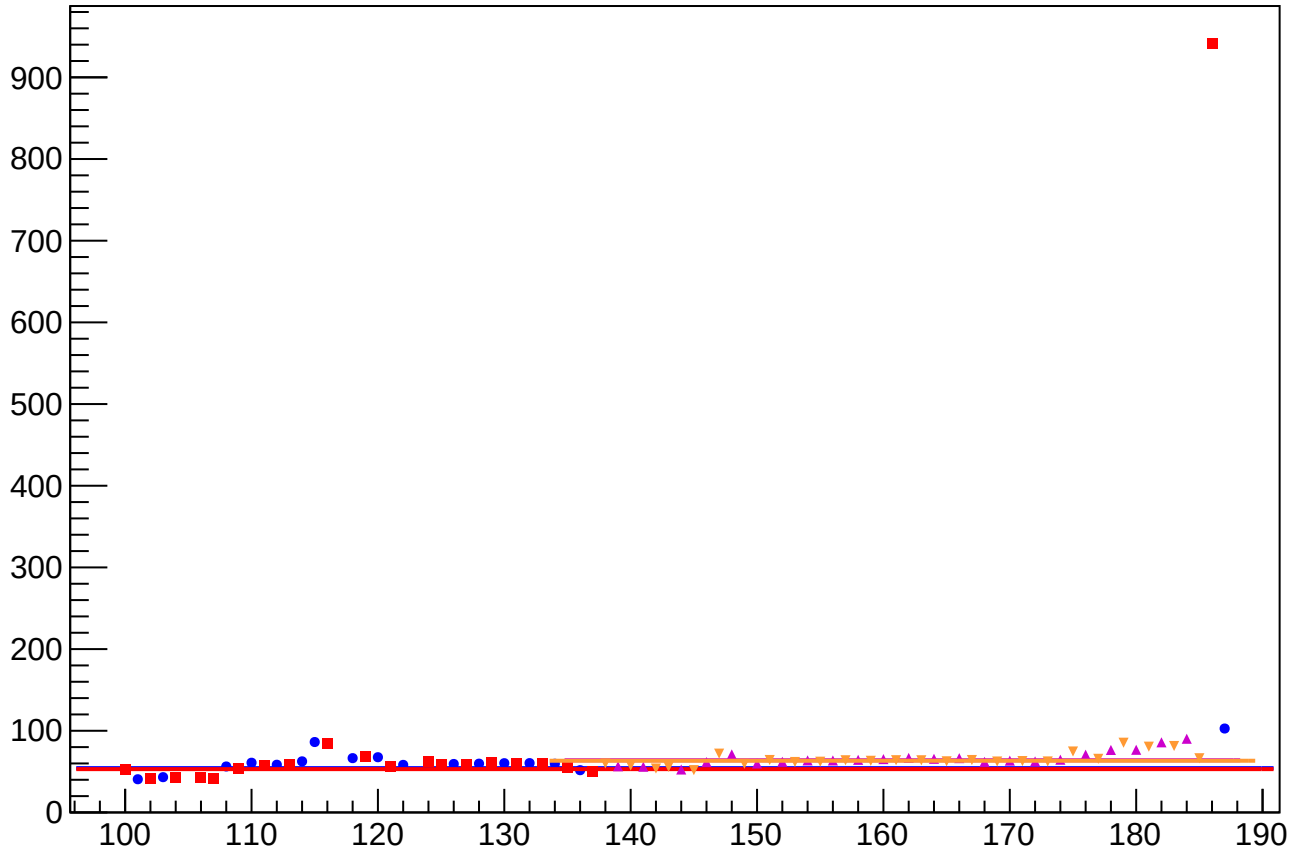
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 56.422+/-14.188 χ^2/NDF: 48.6/36

In: 25.860+/-12.093 χ^2/NDF:50.8/39

Out: 37.624+/-11.696 χ^2/NDF:59.7/44

All: 31.938+/-8.407 χ^2/NDF: 111.0/84



Right In: 54.268+/-0.014 χ^2/NDF: 476581.4/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 53.047+/-0.014 χ^2/NDF: 1150323.7/19

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

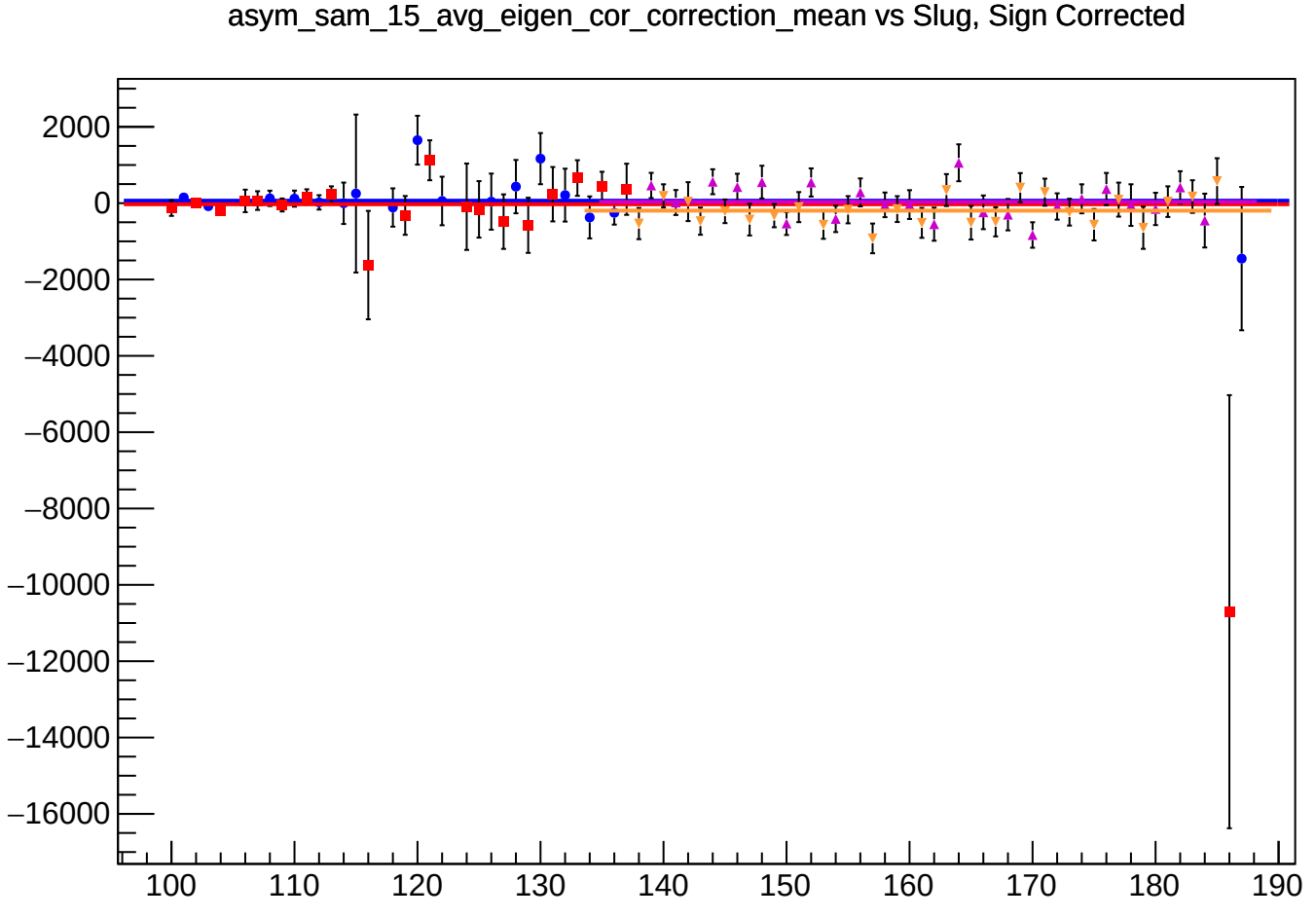
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 53.641+/-0.010 χ^2/NDF: 1630605.1/36

In: 60.506+/-0.009 χ^2/NDF:1212995.3/39

Out: 59.731+/-0.008 χ^2/NDF:1997754.0/44

All: 60.106+/-0.006 χ^2/NDF: 3215002.5/84



Right In: 64.927+/-46.463 χ^2/NDF: 16.4/16

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -28.243+/-50.247 χ^2/NDF: 21.5/19

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

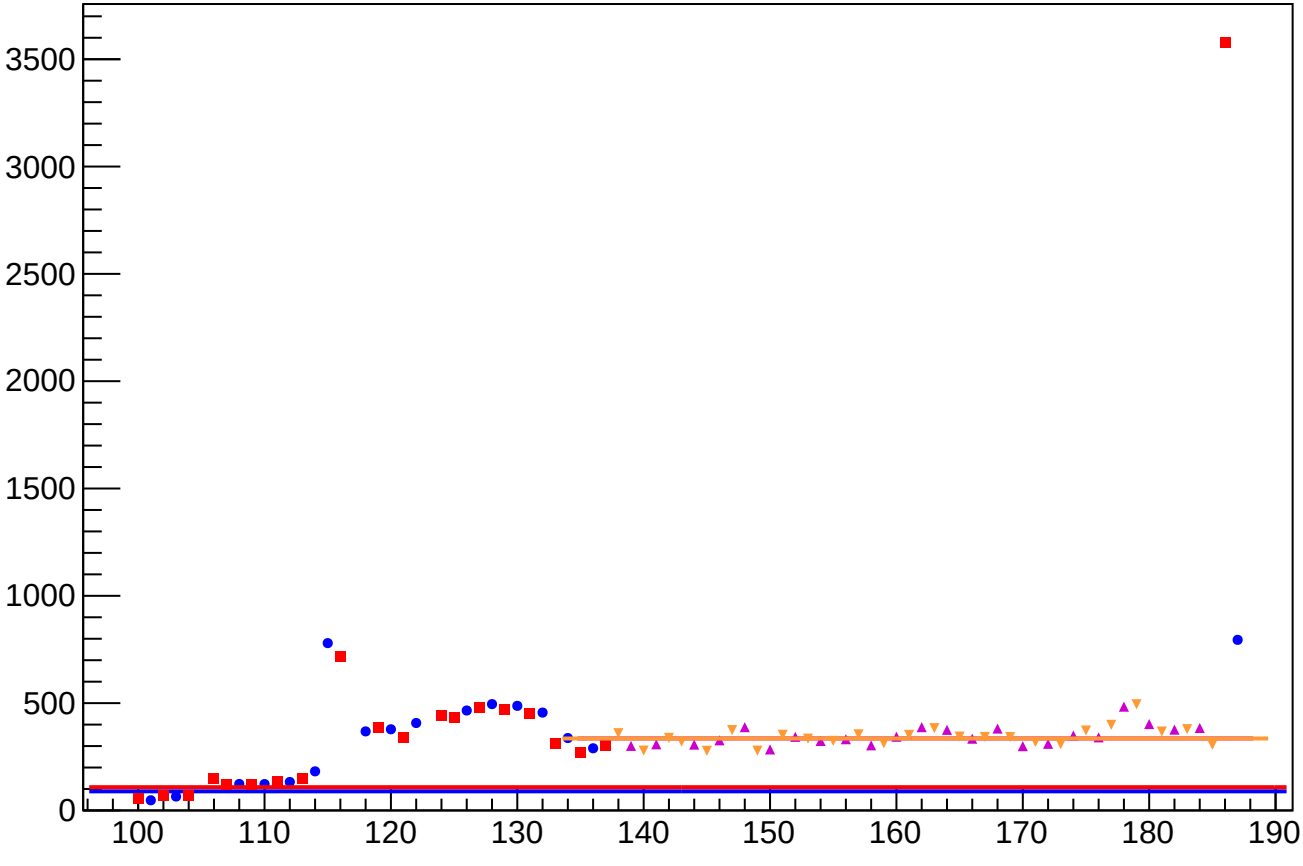
Right: 21.981+/-34.114 χ^2/NDF: 39.8/36

In: 57.628+/-40.077 χ^2/NDF:47.5/39

Out: -78.246+/-42.094 χ^2/NDF:45.5/44

All: -6.976+/-29.026 χ^2/NDF: 98.5/84

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 89.088+/-0.033 χ^2/NDF: 6930873.8/16

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 108.479+/-0.036 χ^2/NDF: 6102328.7/19

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

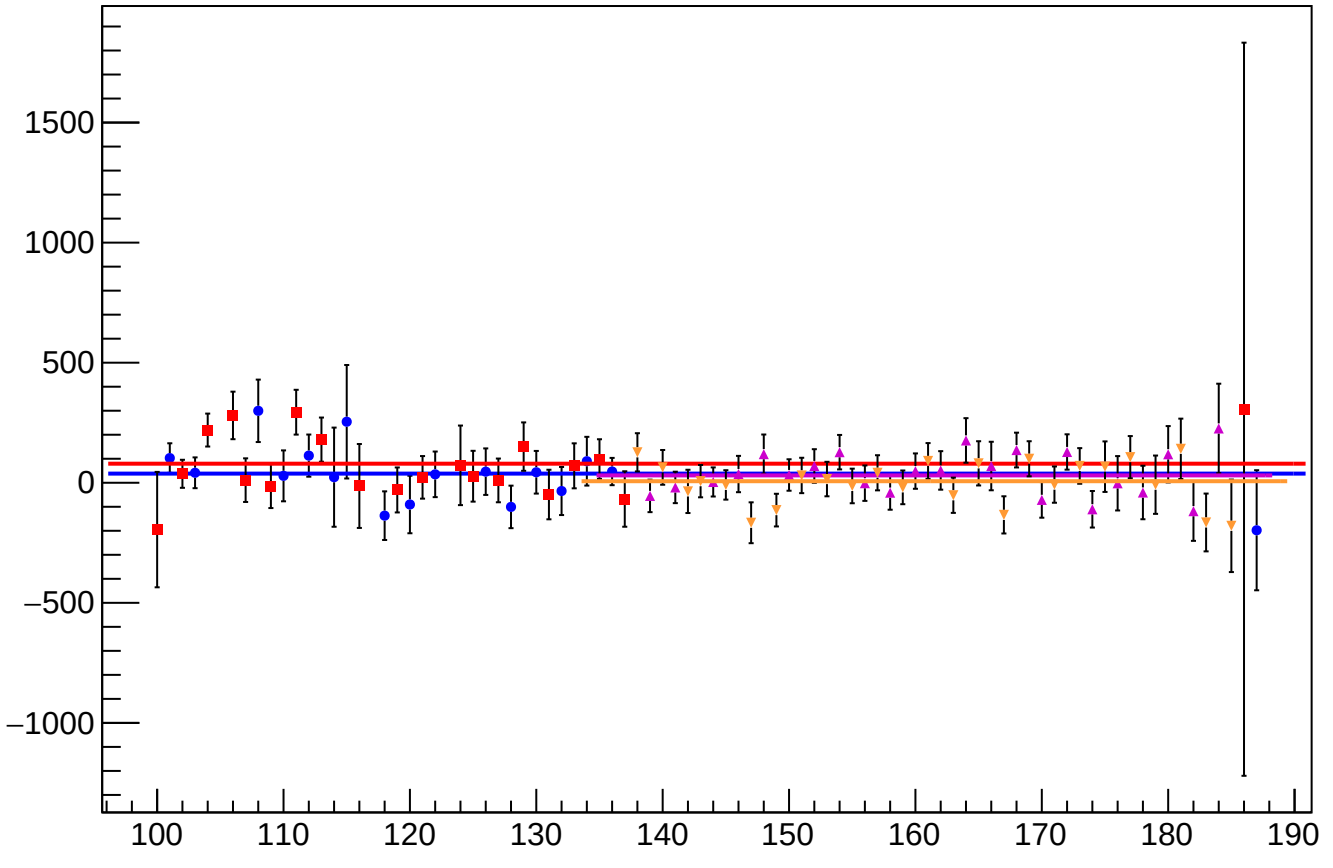
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 98.026+/-0.024 χ^2/NDF: 13193769.7/36

In: 152.175+/-0.028 χ^2/NDF:21829362.1/39

Out: 176.102+/-0.030 χ^2/NDF:18815165.8/44

All: 163.552+/-0.021 χ^2/NDF: 40983475.9/84



Right In: 38.118+/-22.424 χ^2/NDF: 15.0/16

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 79.424+/-21.575 χ^2/NDF: 24.8/19

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

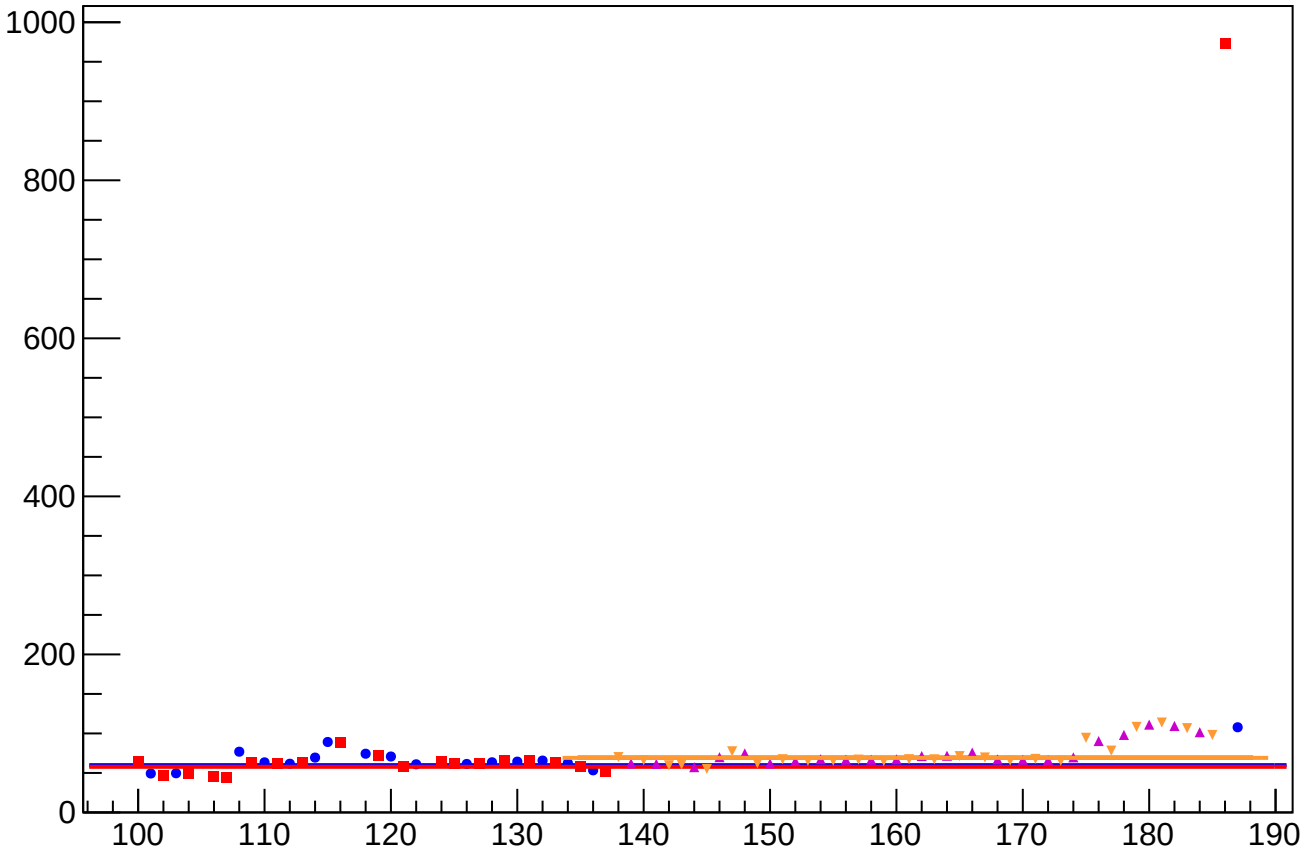
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 59.567+/-15.547 χ^2/NDF: 41.6/36

In: 33.281+/-13.292 χ^2/NDF:37.6/39

Out: 32.308+/-12.840 χ^2/NDF:57.3/44

All: 32.778+/-9.235 χ^2/NDF: 94.8/84



Right In: 59.897+/-0.016 χ^2/NDF: 357225.6/16

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 57.750+/-0.015 χ^2/NDF: 1066483.1/19

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

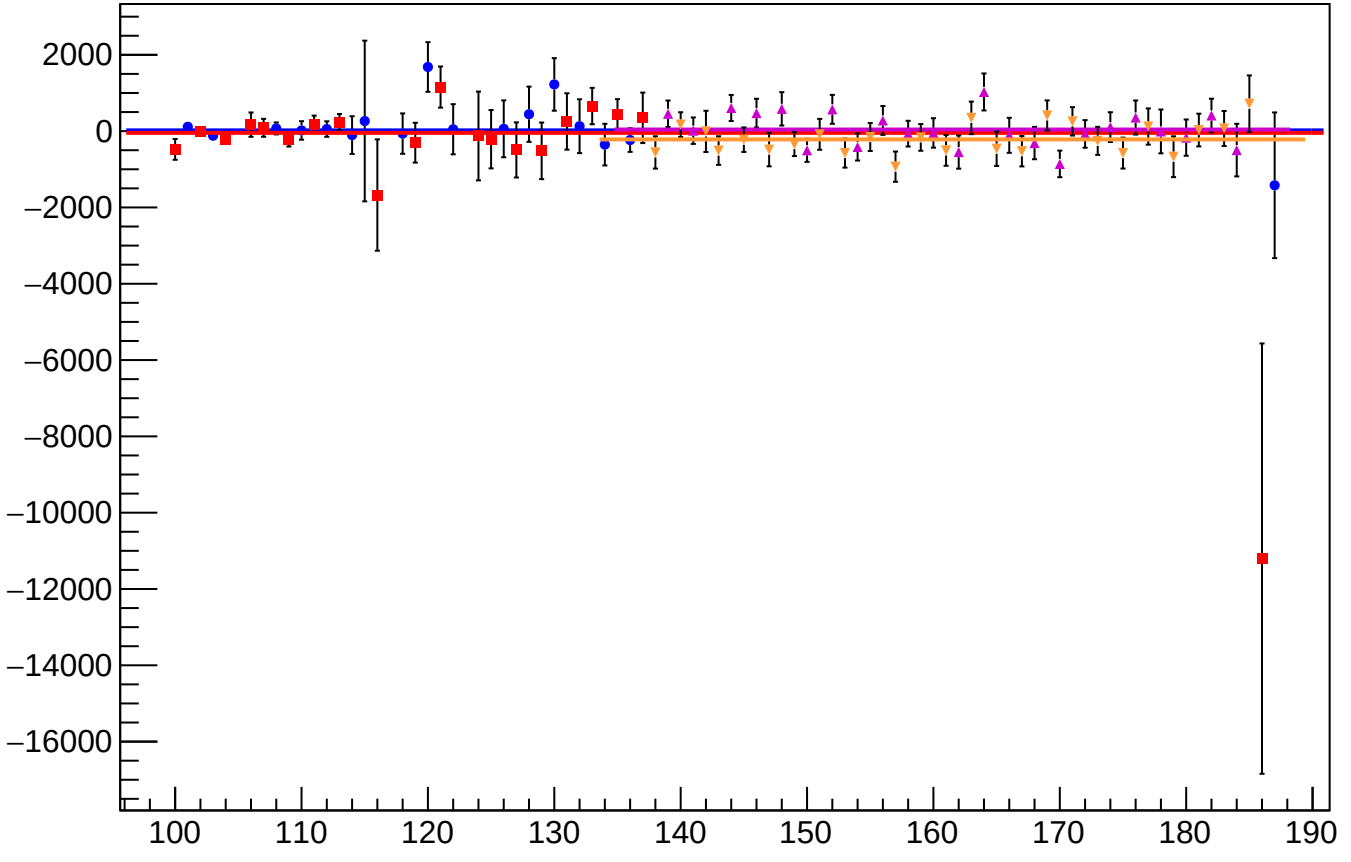
Right: 58.782+/-0.011 χ^2/NDF: 1433234.6/36

In: 66.085+/-0.009 χ^2/NDF:1516601.0/39

Out: 65.066+/-0.009 χ^2/NDF:2496619.3/44

All: 65.558+/-0.007 χ^2/NDF: 4019298.2/84

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 19.707+/-53.564 χ^2/NDF: 15.2/16

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -44.256+/-53.208 χ^2/NDF: 25.4/19

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

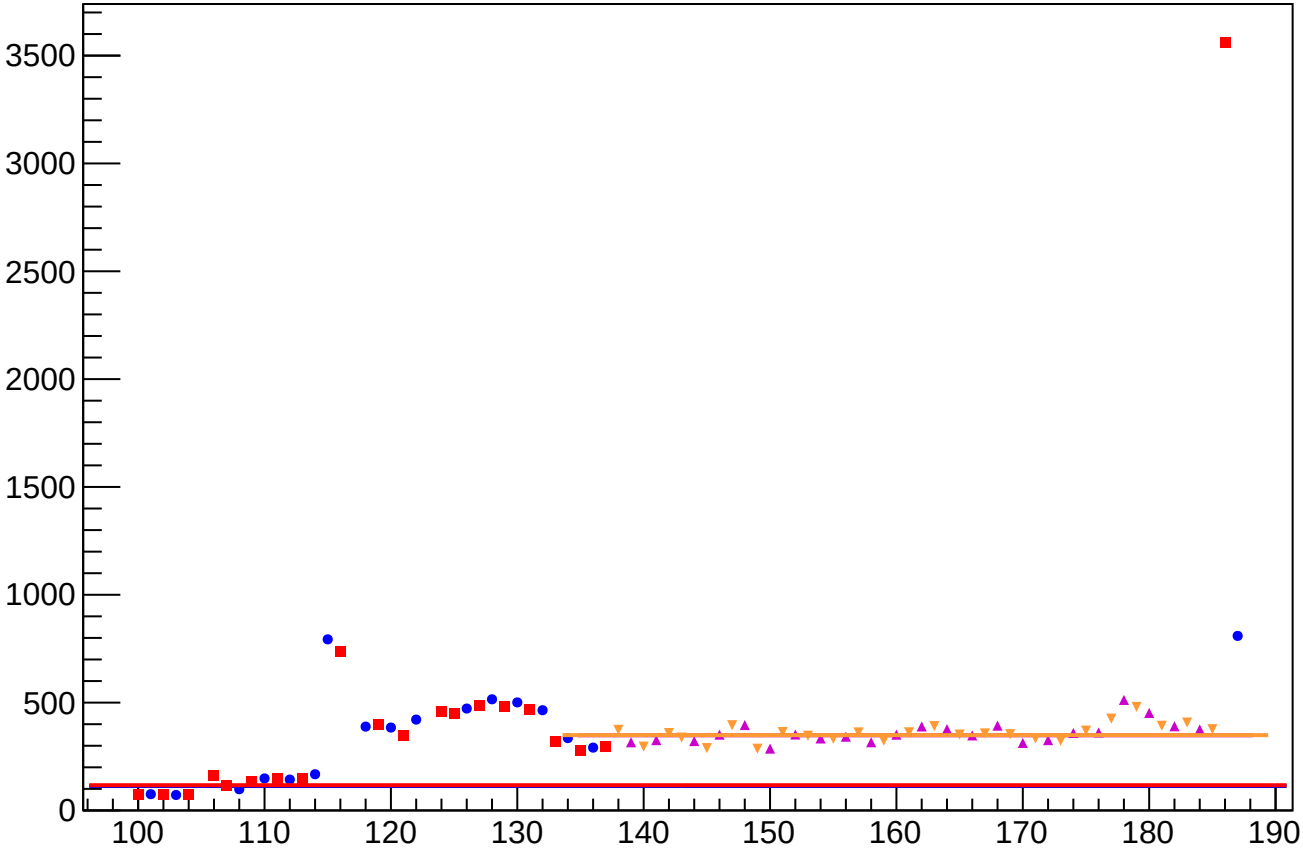
Right: -12.488+/-37.749 χ^2/NDF: 41.3/36

In: 26.200+/-44.886 χ^2/NDF:45.2/39

Out: -97.219+/-44.326 χ^2/NDF:48.0/44

All: -36.284+/-31.539 χ^2/NDF: 97.0/84

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 113.216+/-0.038 χ^2/NDF: 5865725.7/16

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 117.039+/-0.038 χ^2/NDF: 5887164.1/19

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

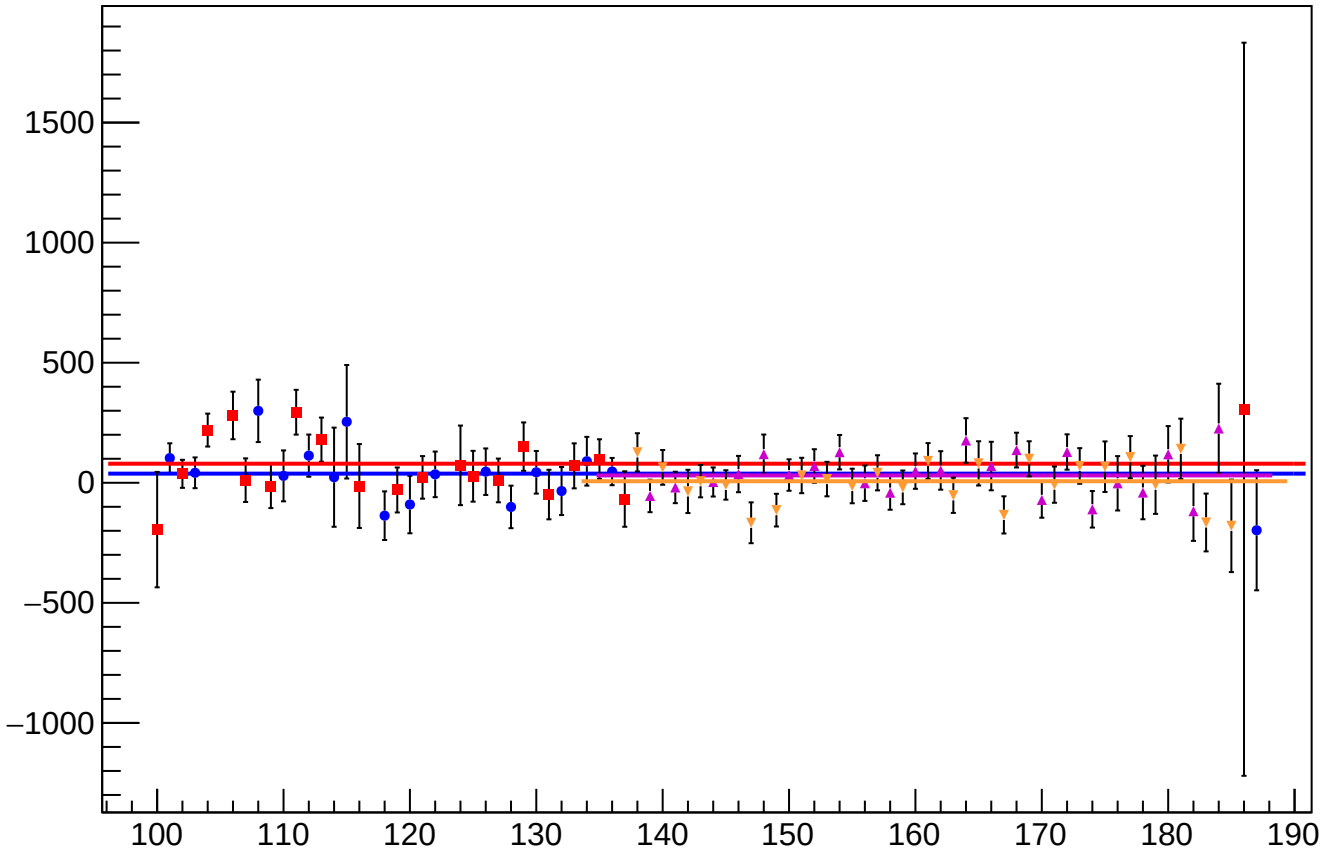
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 115.141+/-0.027 χ^2/NDF: 11758017.5/36

In: 183.296+/-0.032 χ^2/NDF:17888188.7/39

Out: 188.069+/-0.031 χ^2/NDF:18059614.3/44

All: 185.712+/-0.022 χ^2/NDF: 35959255.3/84



Right In: 38.117+/-22.424 χ^2/NDF: 15.0/16

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 79.423+/-21.575 χ^2/NDF: 24.8/19

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

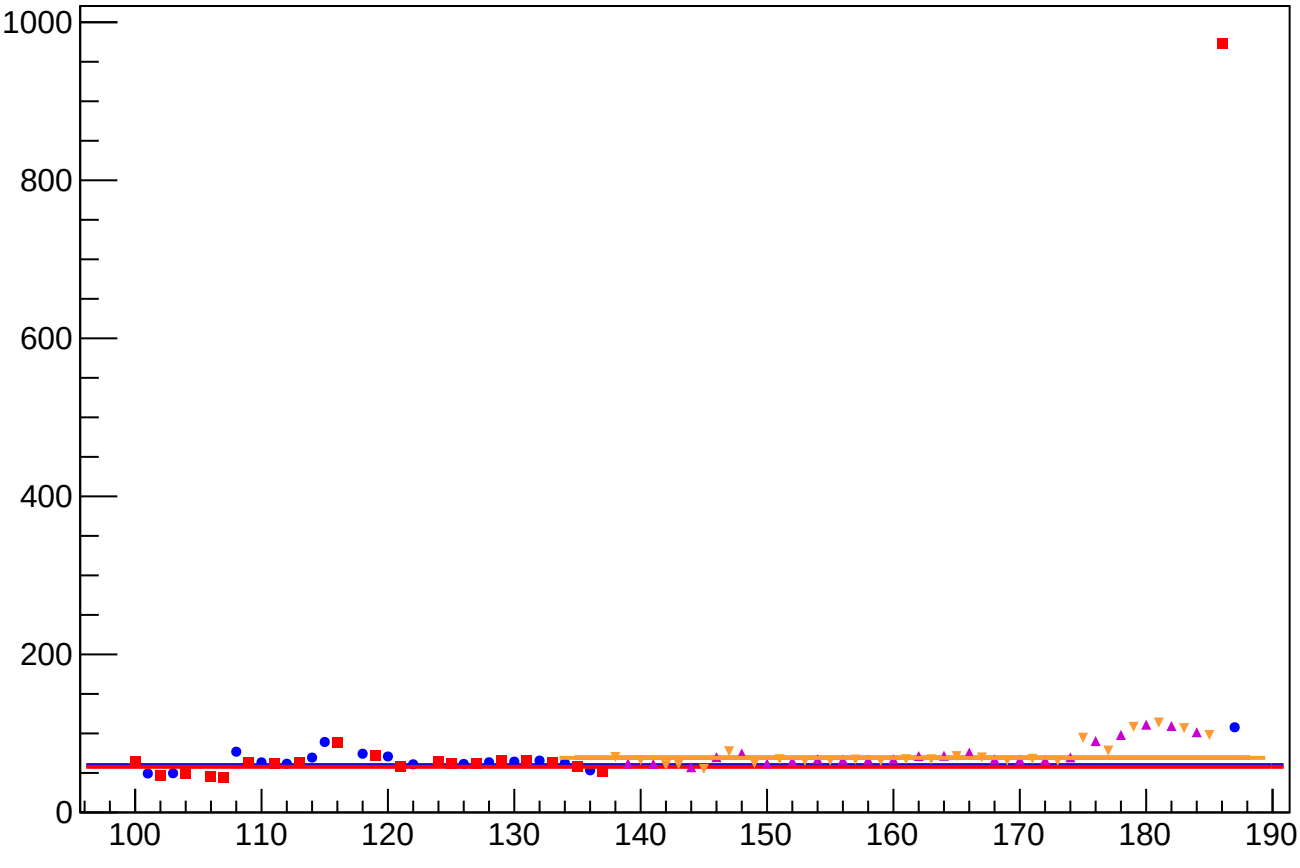
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 59.567+/-15.547 χ^2/NDF: 41.6/36

In: 33.281+/-13.292 χ^2/NDF:37.6/39

Out: 32.308+/-12.840 χ^2/NDF:57.3/44

All: 32.778+/-9.235 χ^2/NDF: 94.8/84



Right In: 59.897+/-0.016 χ^2/NDF: 357224.2/16

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 57.750+/-0.015 χ^2/NDF: 1066479.4/19

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

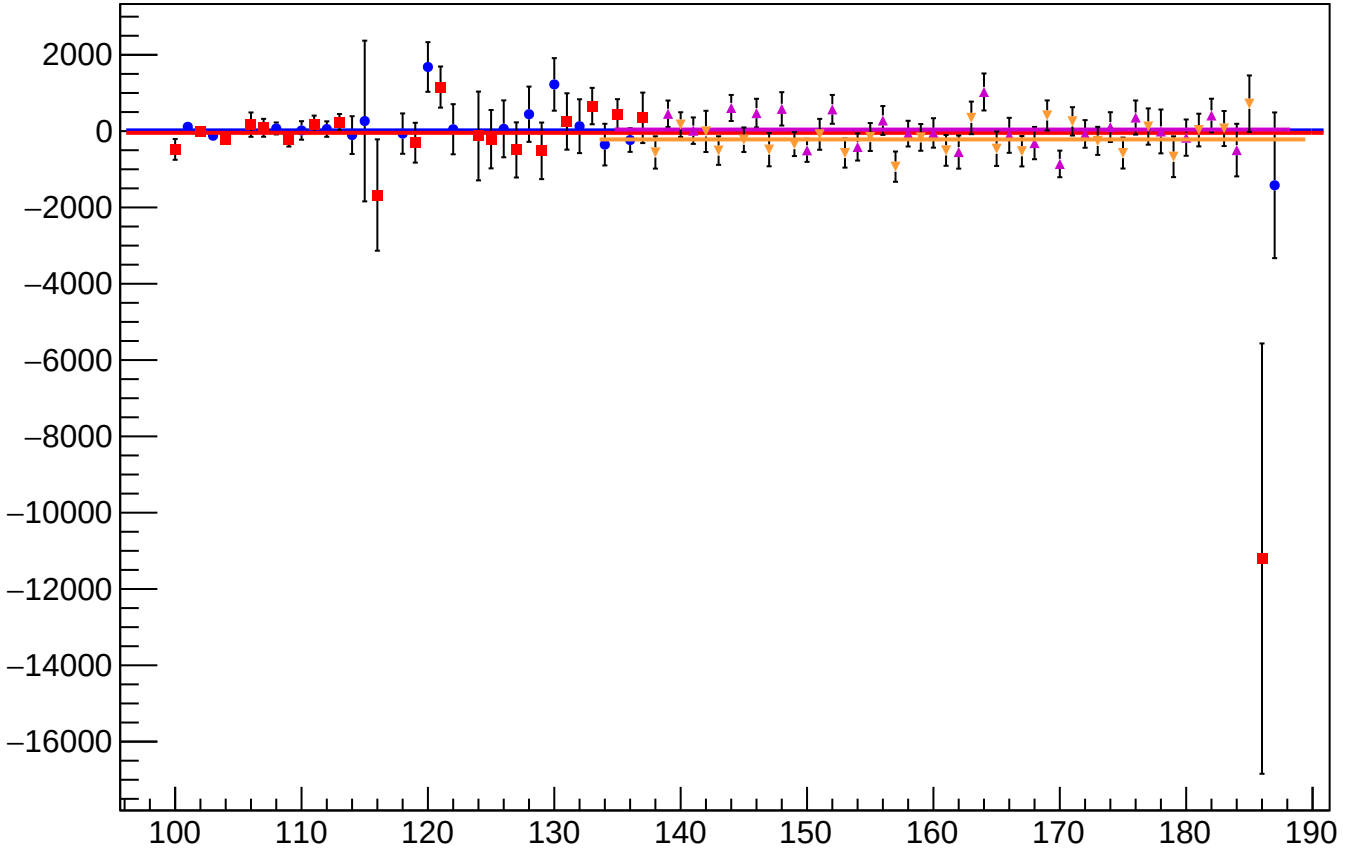
Right: 58.782+/-0.011 χ^2/NDF: 1433229.4/36

In: 66.085+/-0.009 χ^2/NDF:1516595.4/39

Out: 65.066+/-0.009 χ^2/NDF:2496608.0/44

All: 65.558+/-0.007 χ^2/NDF: 4019281.6/84

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 19.707+/-53.564 χ^2/NDF: 15.2/16

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -44.255+/-53.208 χ^2/NDF: 25.4/19

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

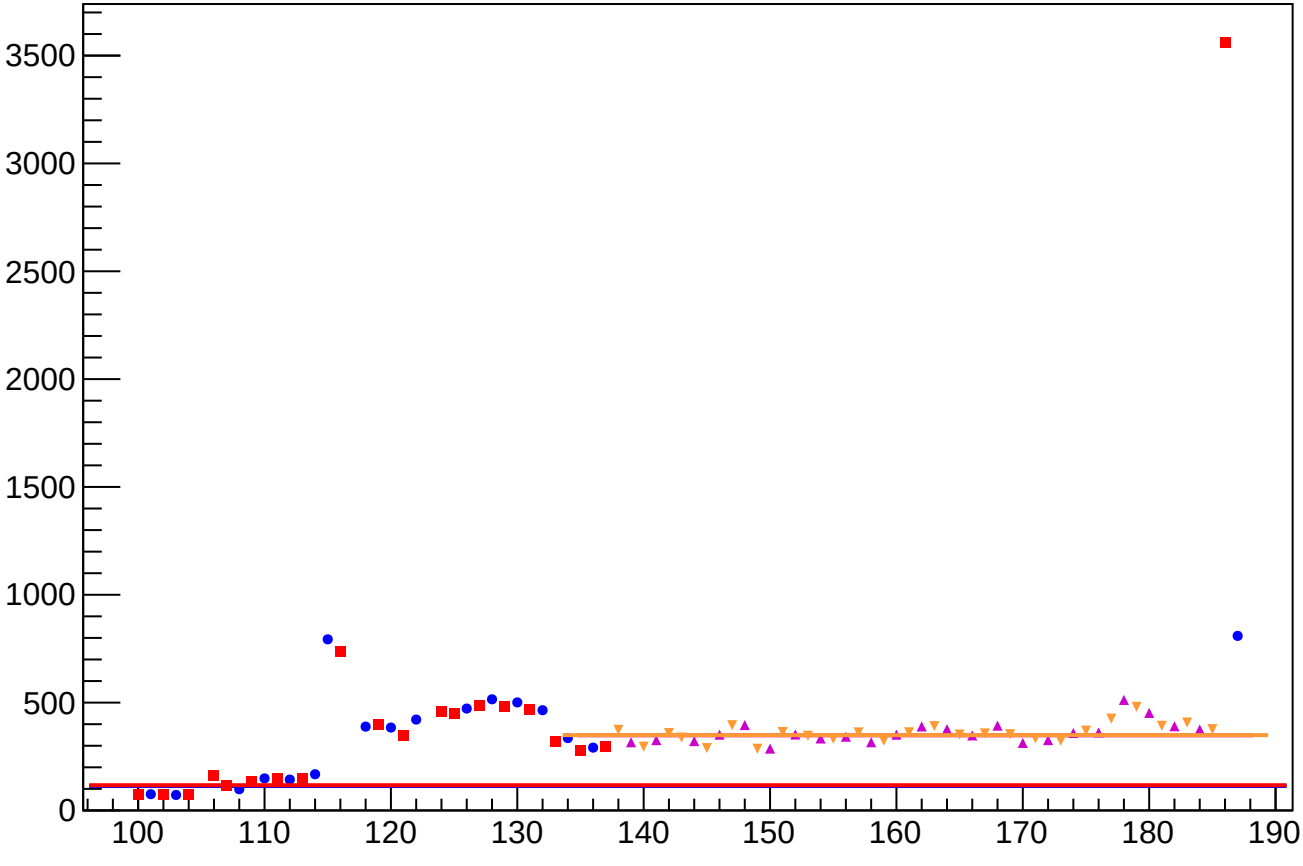
Right: -12.488+/-37.749 χ^2/NDF: 41.3/36

In: 26.200+/-44.886 χ^2/NDF:45.2/39

Out: -97.218+/-44.326 χ^2/NDF:48.0/44

All: -36.284+/-31.539 χ^2/NDF: 97.0/84

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 113.216+/-0.038 χ^2/NDF: 5865724.8/16

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 117.039+/-0.038 χ^2/NDF: 5887166.4/19

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

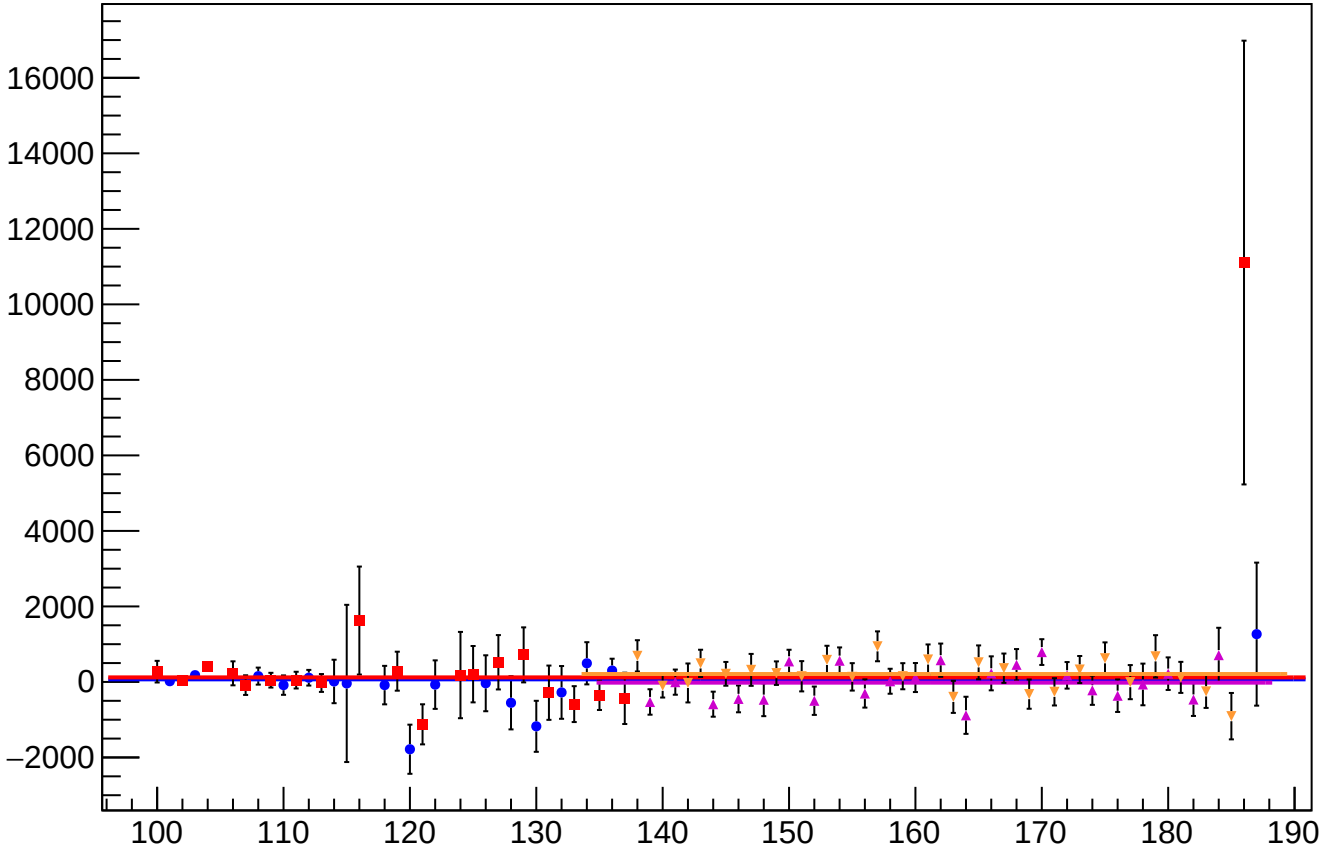
Right: 115.140+/-0.027 χ^2/NDF: 11758018.5/36

In: 183.295+/-0.032 χ^2/NDF:17888248.9/39

Out: 188.069+/-0.031 χ^2/NDF:18059692.6/44

All: 185.712+/-0.022 χ^2/NDF: 35959393.1/84

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 68.790+/-59.140 χ^2/NDF: 16.2/16

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 120.703+/-57.938 χ^2/NDF: 24.6/19

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

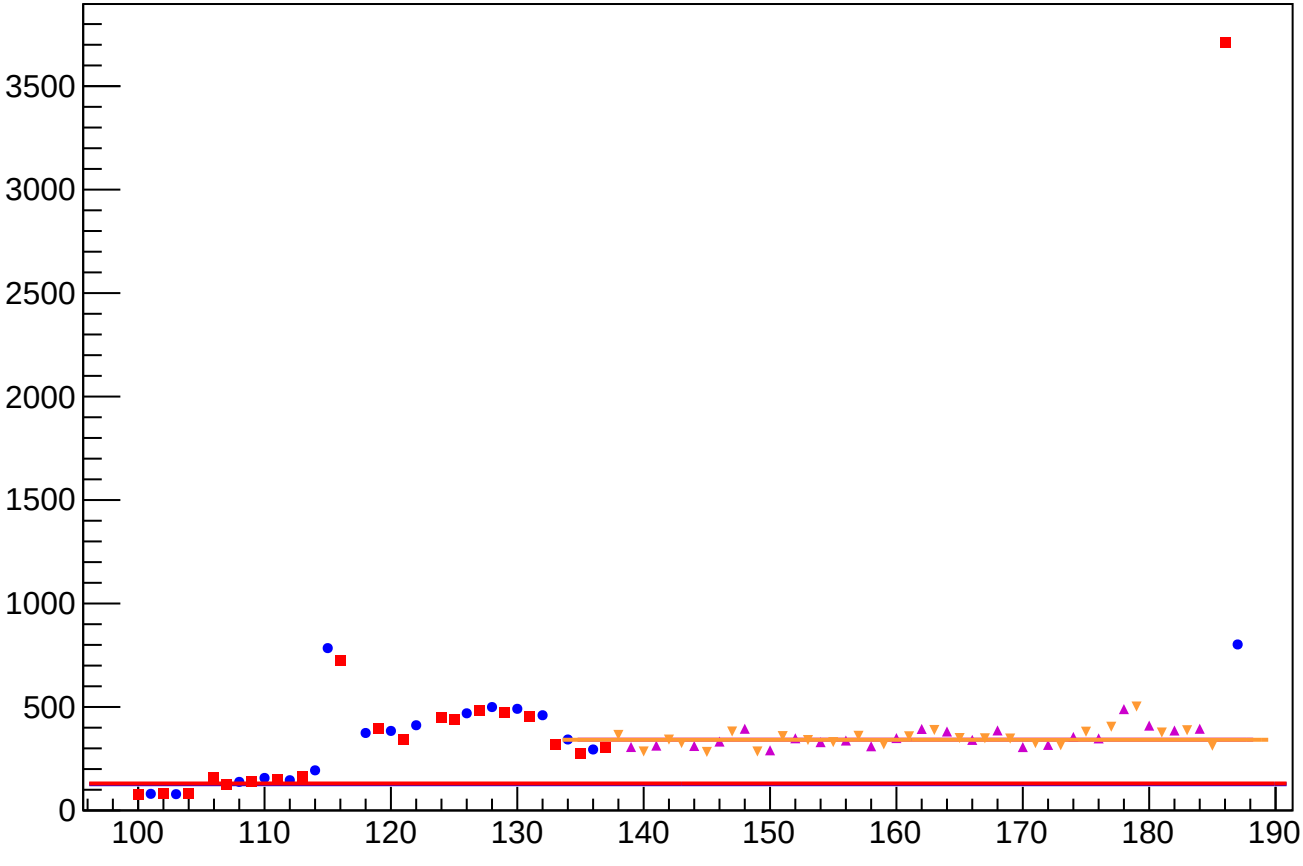
Right: 95.279+/-41.387 χ^2/NDF: 41.2/36

In: 38.207+/-47.702 χ^2/NDF:49.0/39

Out: 152.124+/-46.619 χ^2/NDF:46.9/44

All: 96.473+/-33.341 χ^2/NDF: 98.8/84

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.813+/-0.042 χ^2/NDF: 5474654.6/16

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 130.263+/-0.041 χ^2/NDF: 5390270.3/19

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

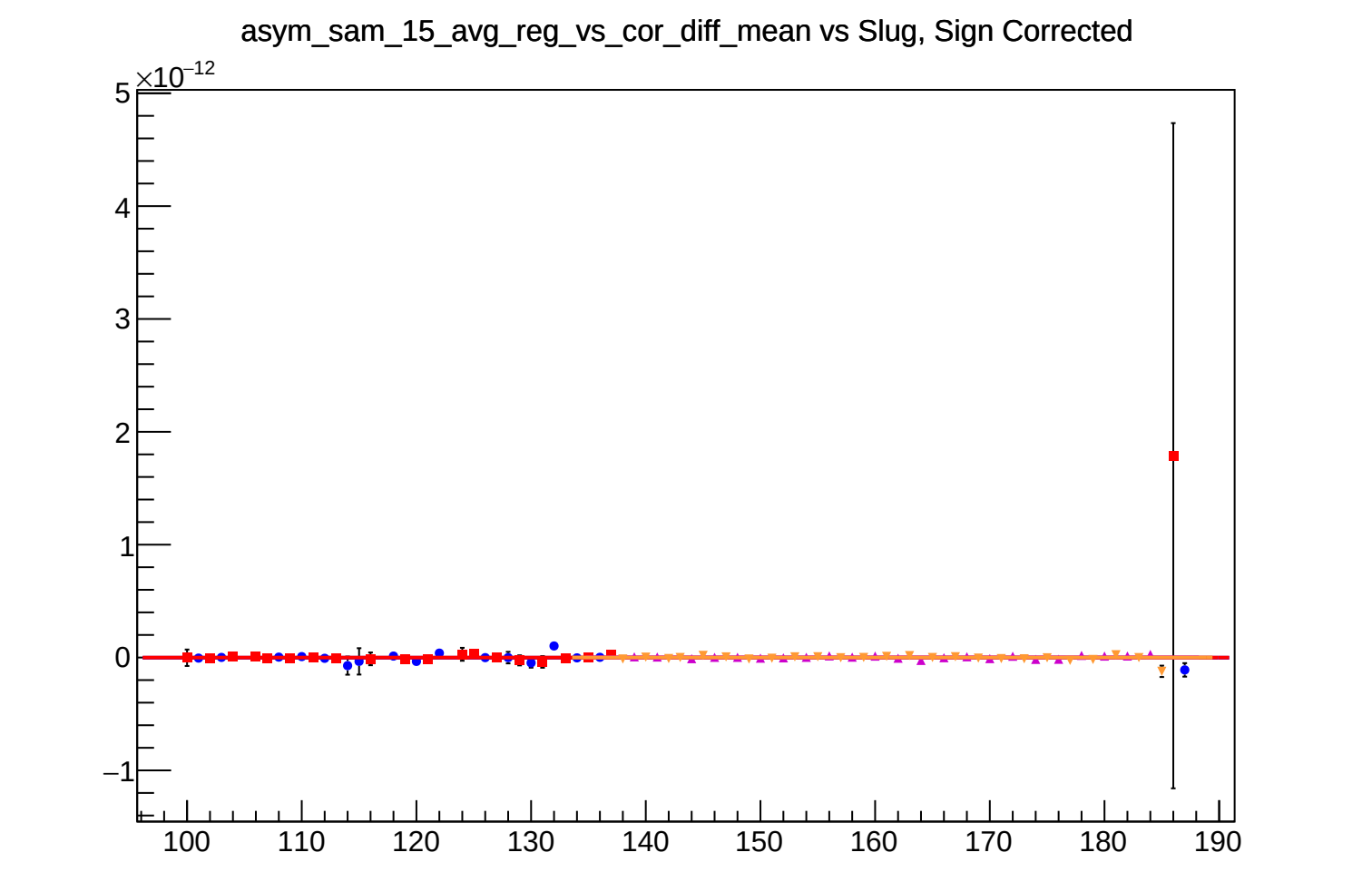
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 128.573+/-0.029 χ^2/NDF: 10868396.9/36

In: 201.981+/-0.034 χ^2/NDF:15207164.3/39

Out: 204.770+/-0.033 χ^2/NDF:15325402.6/44

All: 203.408+/-0.024 χ^2/NDF: 30536063.6/84



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 10.9/19

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

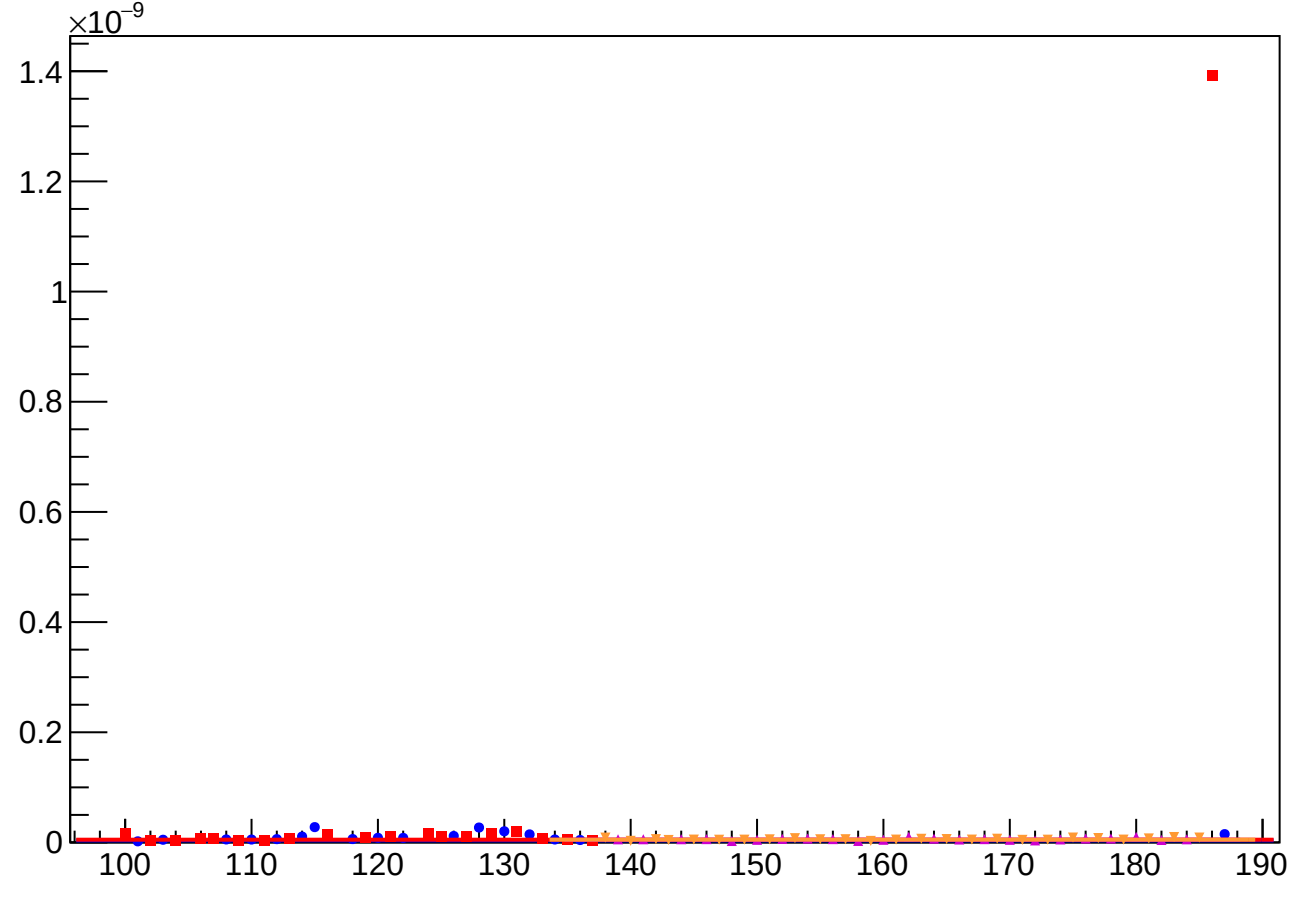
Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

Right: -0.000+/-0.000 χ^2/NDF: 32.0/36

In: -0.000+/-0.000 χ^2/NDF:42.3/39

Out: 0.000+/-0.000 χ^2/NDF:39.5/44

All: -0.000+/-0.000 χ^2/NDF: 81.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 2244916.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1738419.7/19

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

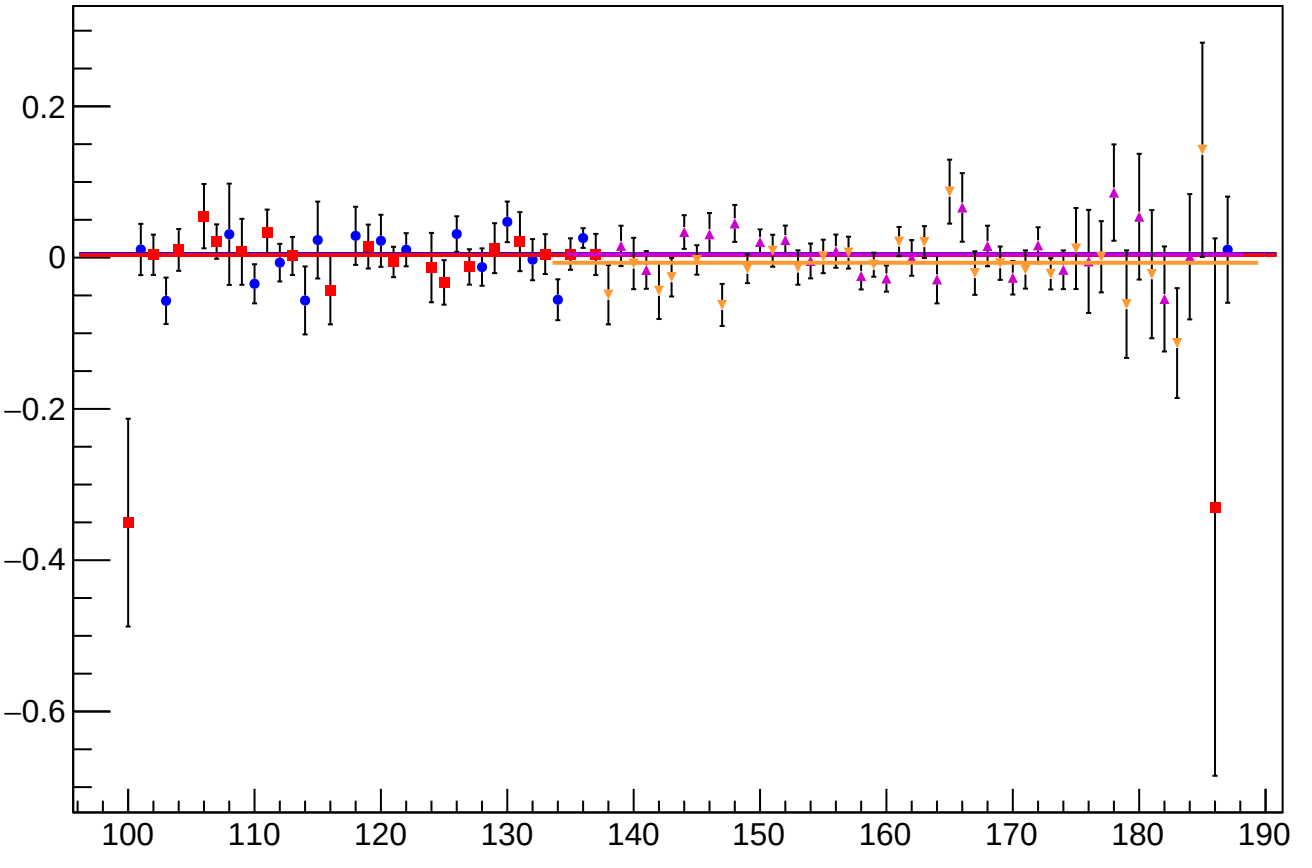
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4174251.3/36

In: 0.000+/-0.000 χ^2/NDF:3769119.2/39

Out: 0.000+/-0.000 χ^2/NDF:3032942.9/44

All: 0.000+/-0.000 χ^2/NDF: 6910194.7/84



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.007 χ^2/NDF: 14.5/19

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

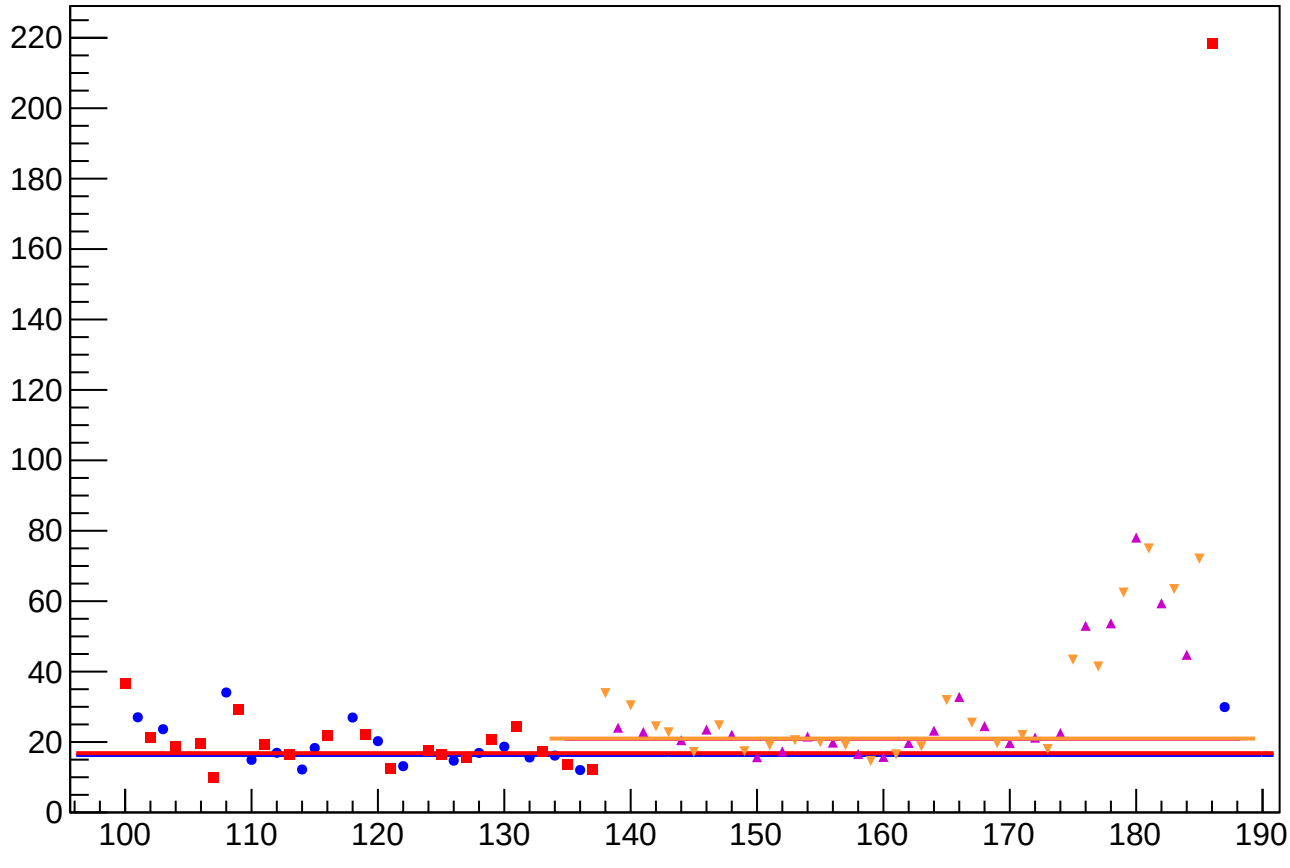
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.004+/-0.005 χ^2/NDF: 36.0/36

In: 0.004+/-0.004 χ^2/NDF:44.6/39

Out: -0.003+/-0.004 χ^2/NDF:37.7/44

All: 0.001+/-0.003 χ^2/NDF: 83.9/84



Right In: 16.335+/-0.005 χ^2/NDF: 1019561.3/16

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 16.836+/-0.005 χ^2/NDF: 1510514.8/19

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

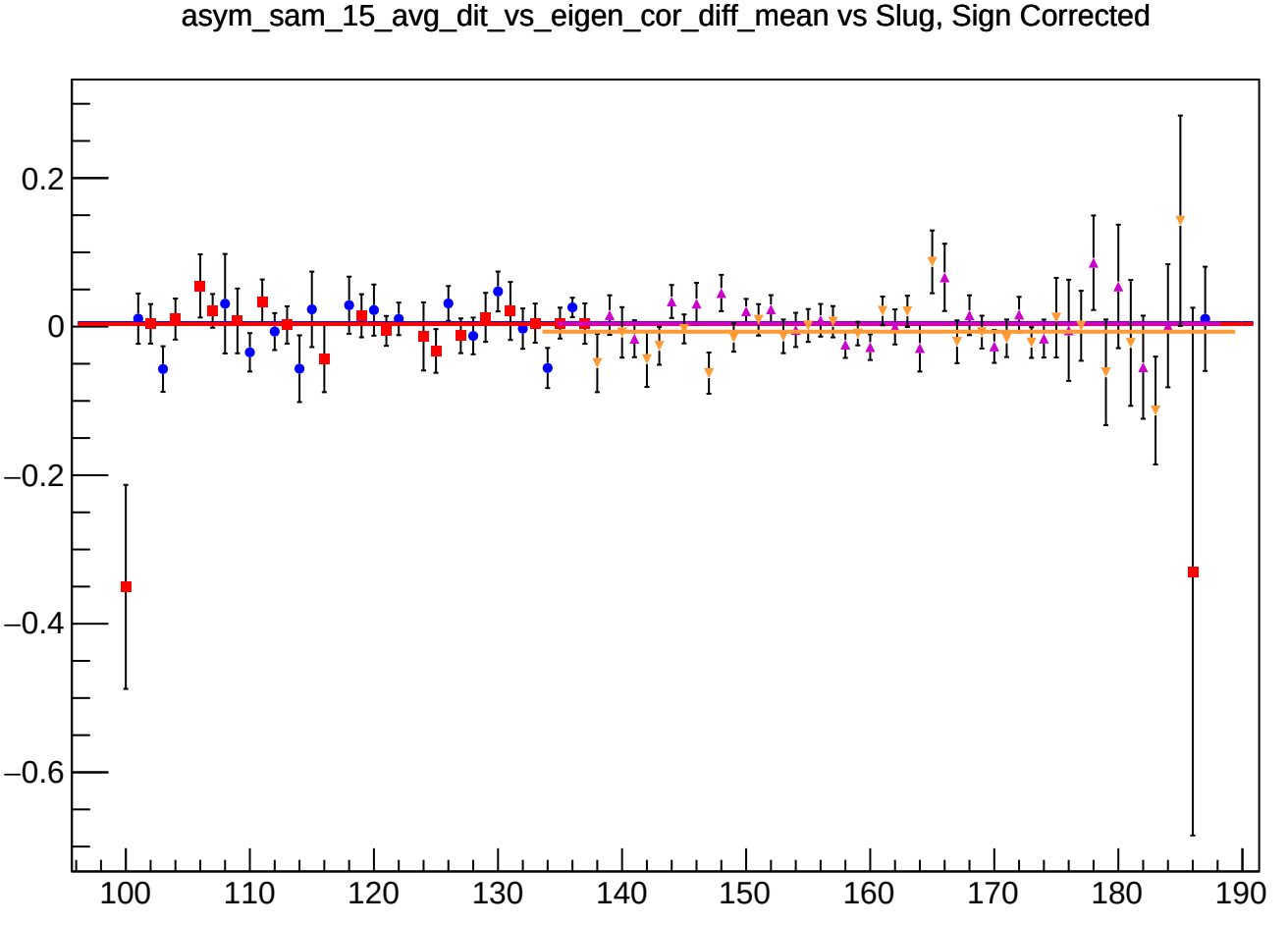
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 16.582+/-0.003 χ^2/NDF: 2535866.3/36

In: 19.074+/-0.003 χ^2/NDF:5135357.8/39

Out: 19.400+/-0.003 χ^2/NDF:6461604.0/44

All: 19.238+/-0.002 χ^2/NDF: 11603272.8/84



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.007 χ^2/NDF: 14.5/19

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

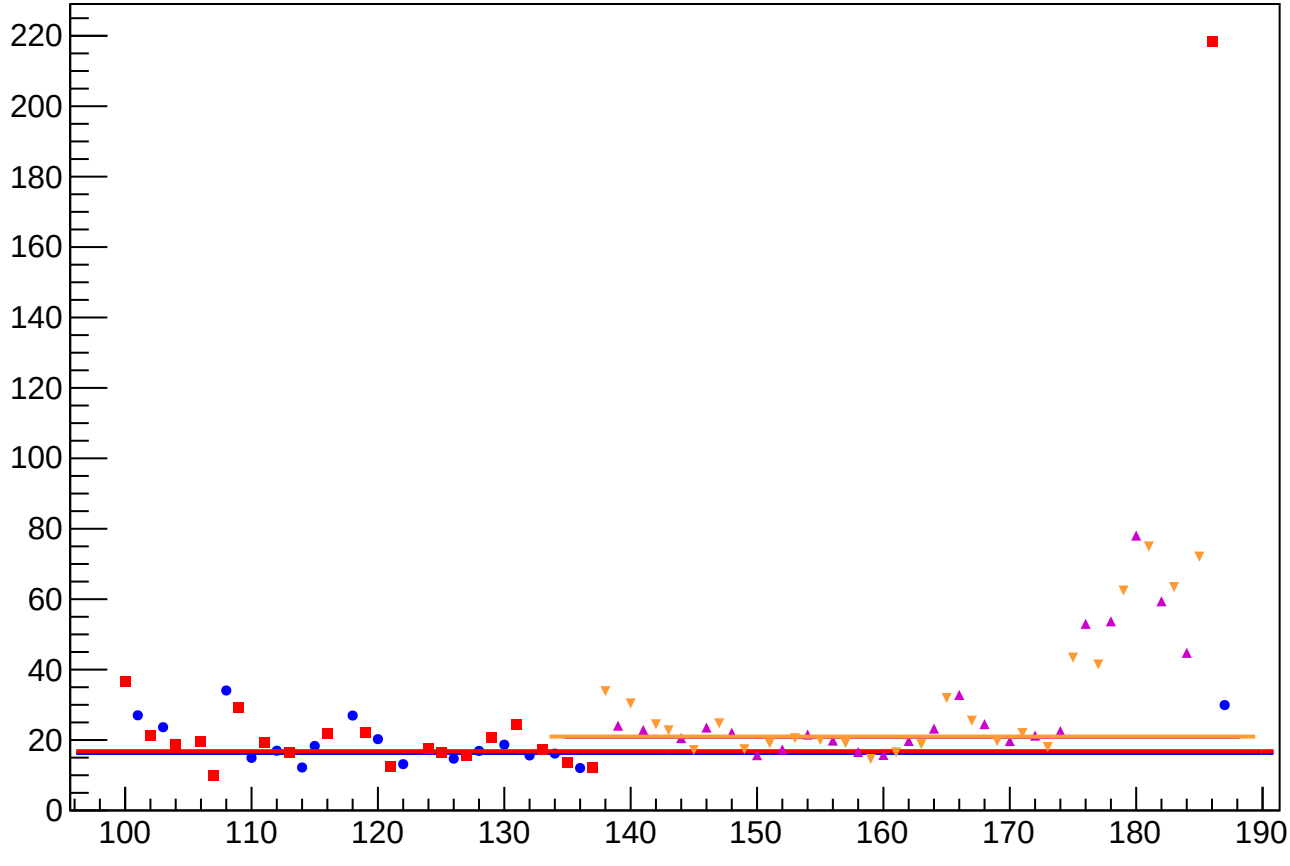
Right: 0.004+/-0.005 χ^2/NDF: 36.0/36

In: 0.004+/-0.004 χ^2/NDF:44.6/39

Out: -0.003+/-0.004 χ^2/NDF:37.7/44

All: 0.001+/-0.003 χ^2/NDF: 83.9/84

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.335+/-0.005 χ^2/NDF: 1019561.3/16

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 16.836+/-0.005 χ^2/NDF: 1510514.8/19

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

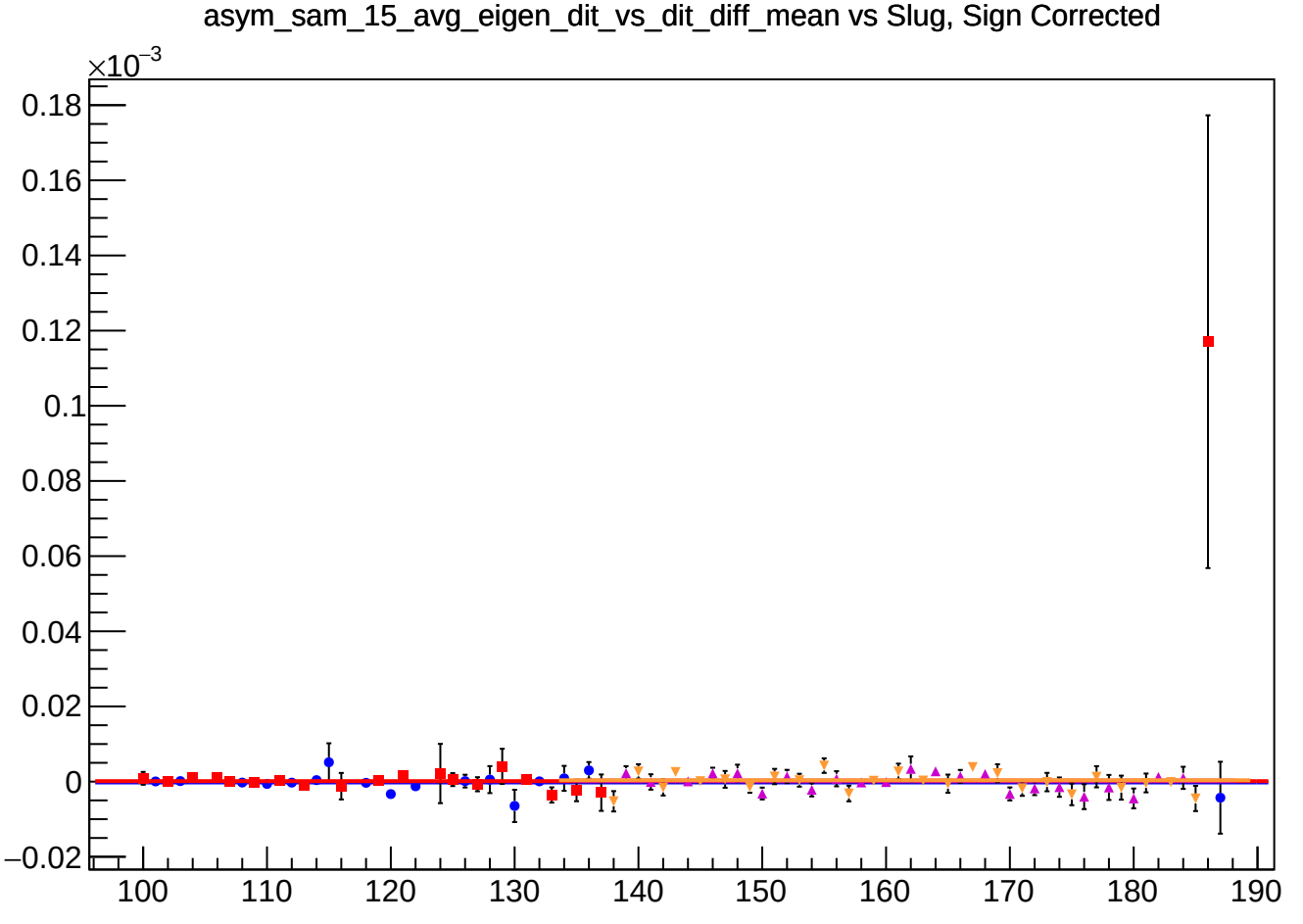
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 16.582+/-0.003 χ^2/NDF: 2535866.3/36

In: 19.074+/-0.003 χ^2/NDF:5135357.8/39

Out: 19.400+/-0.003 χ^2/NDF:6461604.0/44

All: 19.238+/-0.002 χ^2/NDF: 11603272.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/19

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

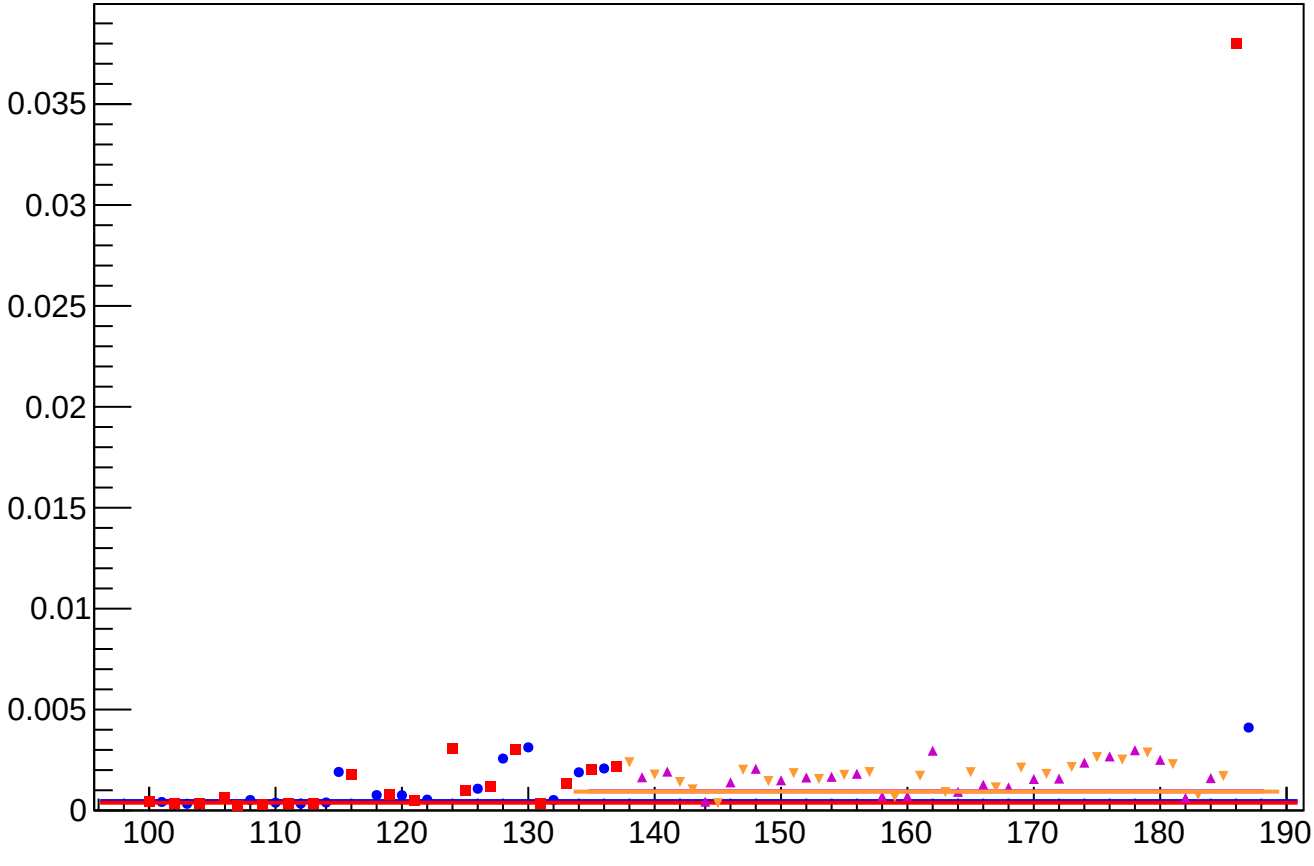
Right: -0.000+/-0.000 χ^2/NDF: 40.2/36

In: -0.000+/-0.000 χ^2/NDF:48.3/39

Out: 0.000+/-0.000 χ^2/NDF:58.8/44

All: 0.000+/-0.000 χ^2/NDF: 108.2/84

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4306150.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4839011.8/19

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

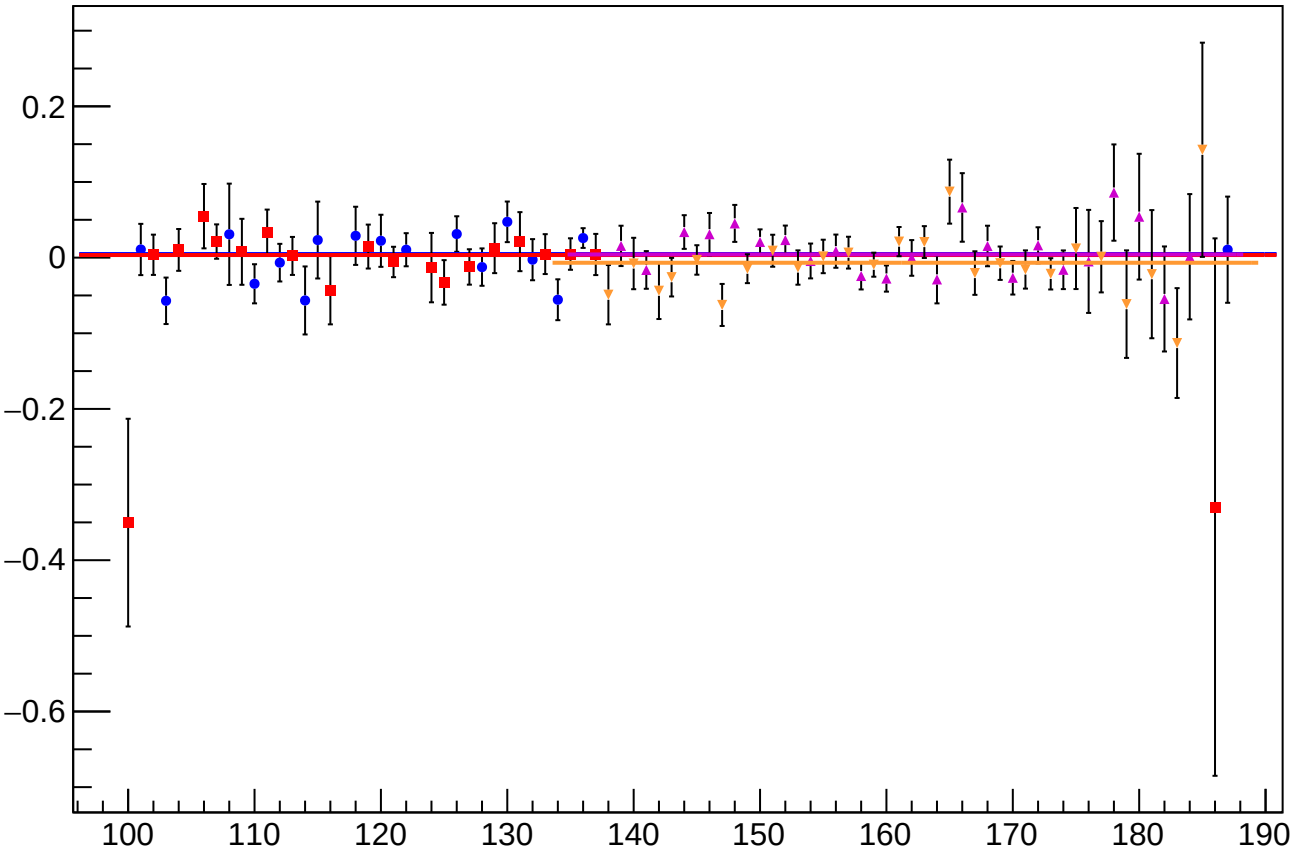
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9321987.4/36

In: 0.001+/-0.000 χ^2/NDF:17942059.3/39

Out: 0.001+/-0.000 χ^2/NDF:22979319.1/44

All: 0.001+/-0.000 χ^2/NDF: 41336027.1/84



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.007 χ^2/NDF: 14.5/19

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

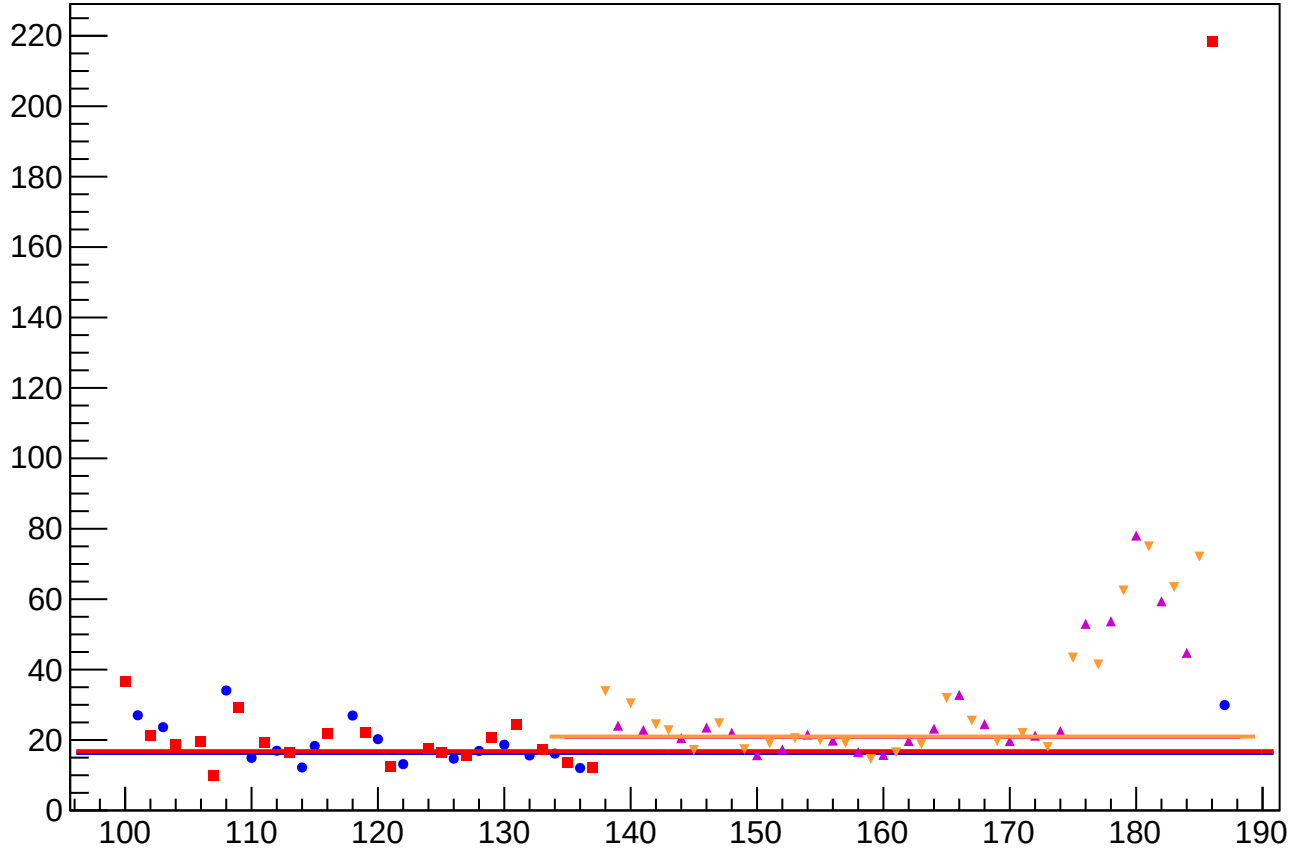
Right: 0.004+/-0.005 χ^2/NDF: 36.0/36

In: 0.004+/-0.004 χ^2/NDF:44.7/39

Out: -0.003+/-0.004 χ^2/NDF:37.7/44

All: 0.001+/-0.003 χ^2/NDF: 83.9/84

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.335+/-0.005 χ^2/NDF: 1019534.0/16

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 16.836+/-0.005 χ^2/NDF: 1510509.4/19

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

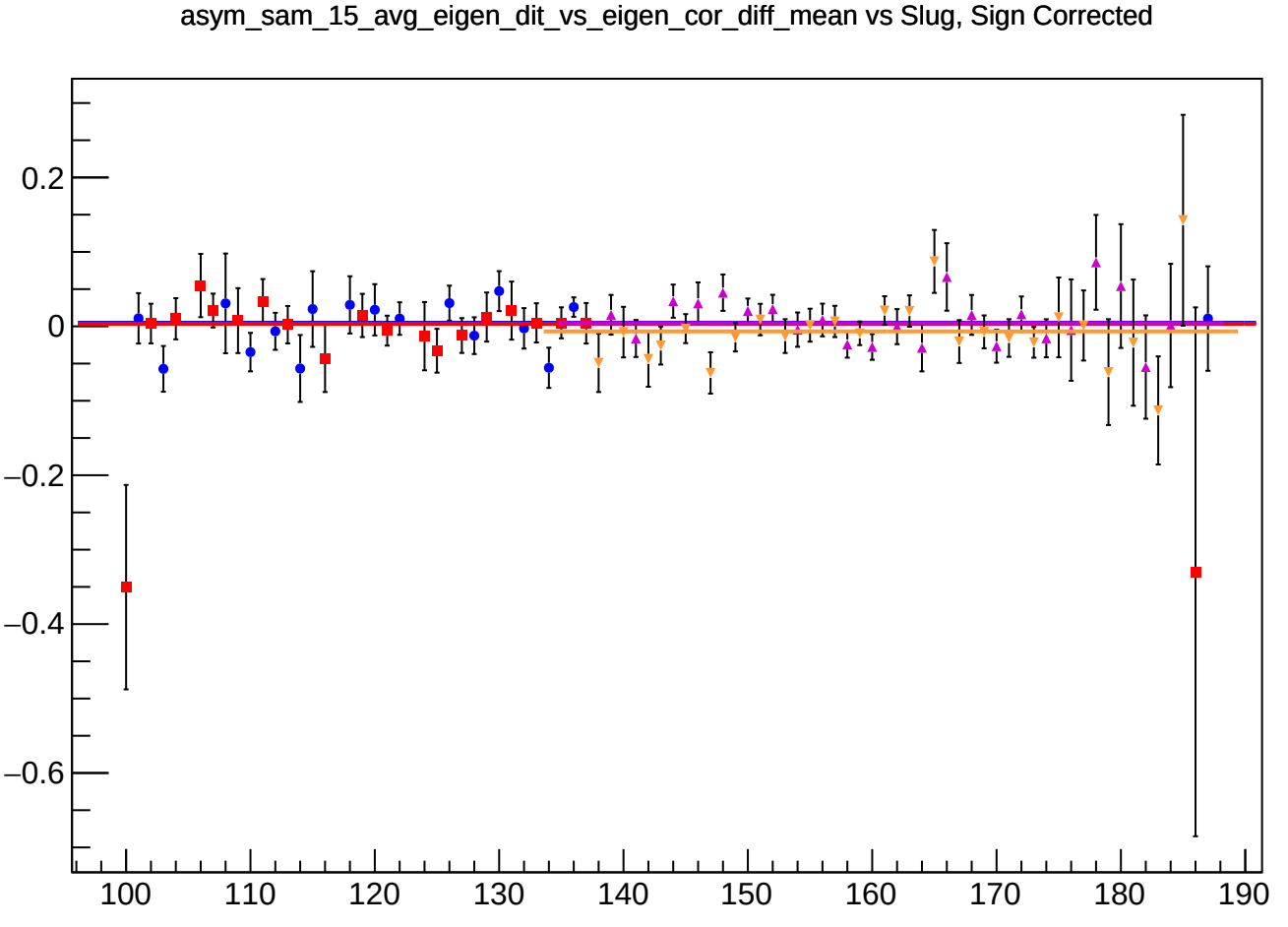
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 16.582+/-0.003 χ^2/NDF: 2535832.9/36

In: 19.074+/-0.003 χ^2/NDF:5135446.4/39

Out: 19.400+/-0.003 χ^2/NDF:6461660.3/44

All: 19.238+/-0.002 χ^2/NDF: 11603419.0/84



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.007 χ^2/NDF: 14.5/19

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

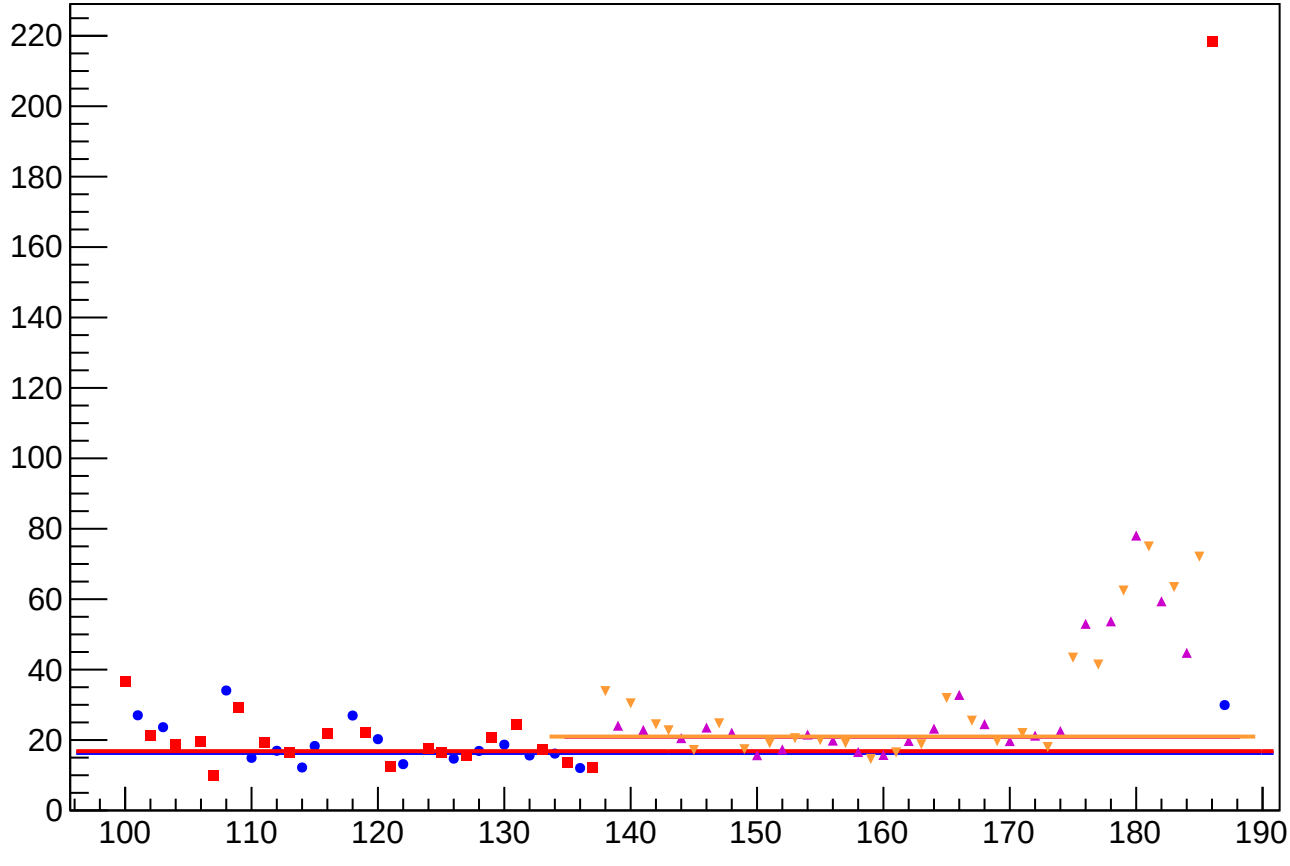
Right: 0.004+/-0.005 χ^2/NDF: 36.0/36

In: 0.004+/-0.004 χ^2/NDF:44.7/39

Out: -0.003+/-0.004 χ^2/NDF:37.7/44

All: 0.001+/-0.003 χ^2/NDF: 83.9/84

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.335+/-0.005 χ^2/NDF: 1019534.0/16

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 16.836+/-0.005 χ^2/NDF: 1510509.4/19

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

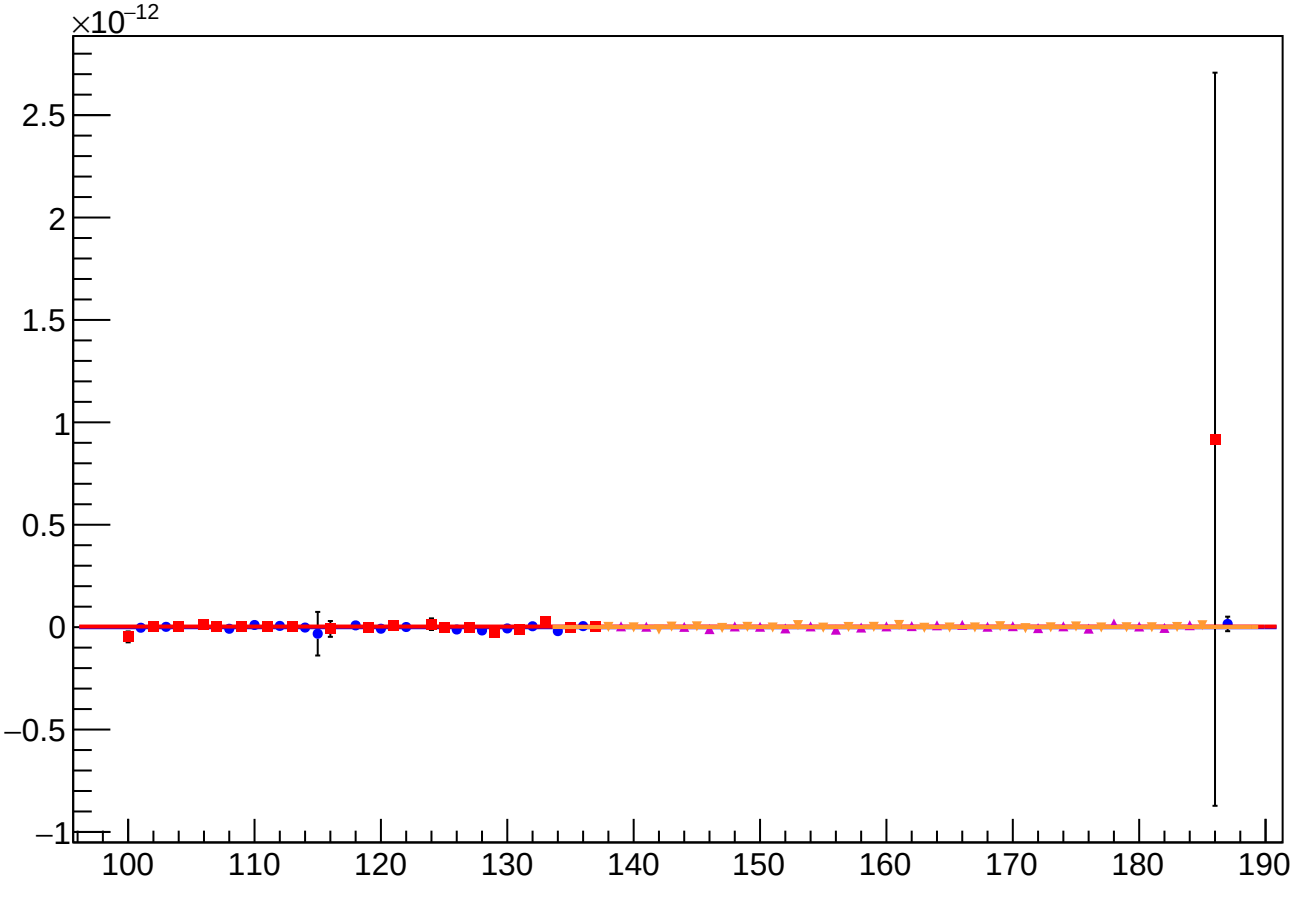
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 16.582+/-0.003 χ^2/NDF: 2535832.9/36

In: 19.074+/-0.003 χ^2/NDF:5135446.4/39

Out: 19.400+/-0.003 χ^2/NDF:6461660.3/44

All: 19.238+/-0.002 χ^2/NDF: 11603419.0/84



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/19

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

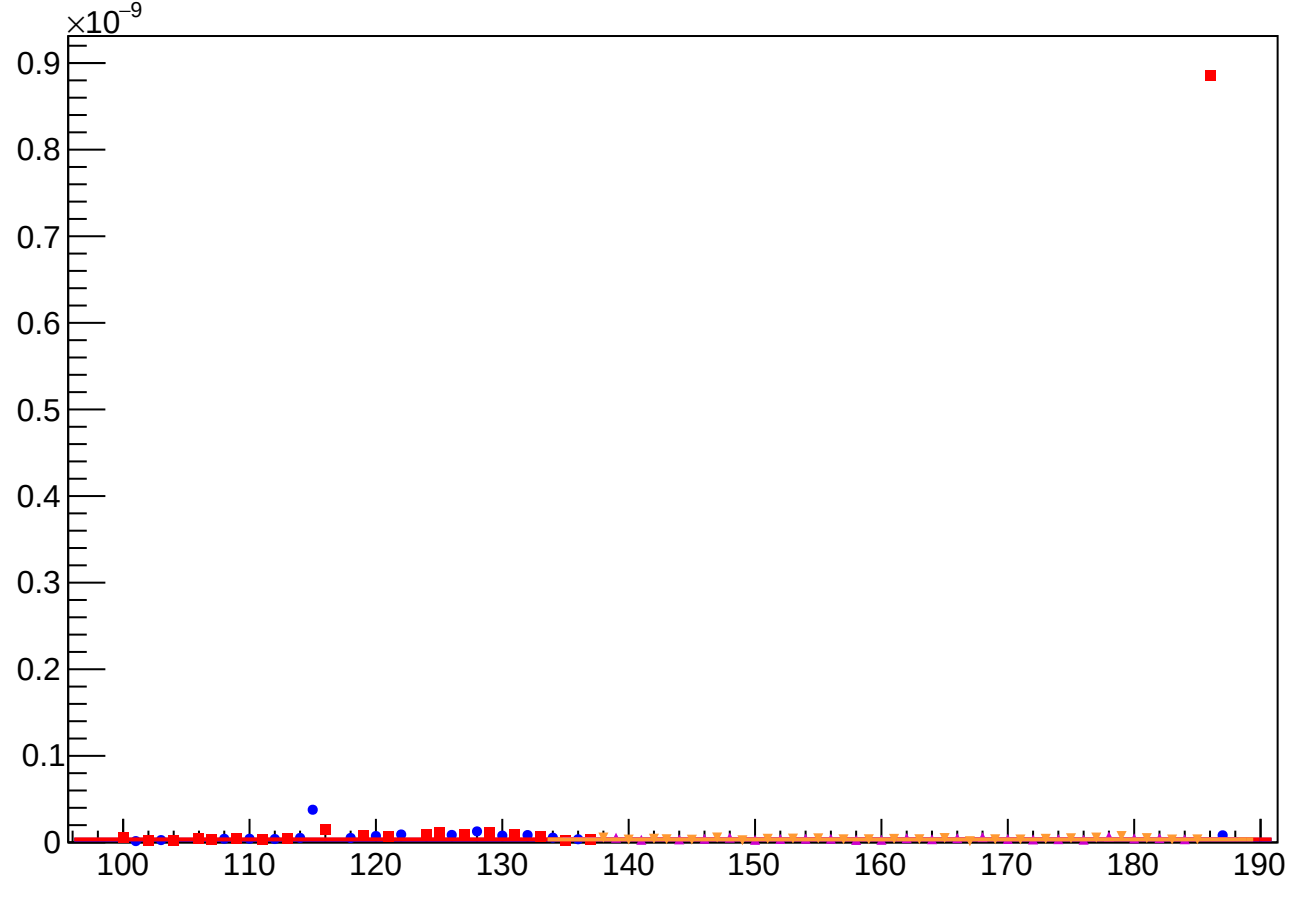
Right: 0.000+/-0.000 χ^2/NDF: 27.8/36

In: 0.000+/-0.000 χ^2/NDF:39.3/39

Out: 0.000+/-0.000 χ^2/NDF:29.2/44

All: 0.000+/-0.000 χ^2/NDF: 69.0/84

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2980105.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3044942.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

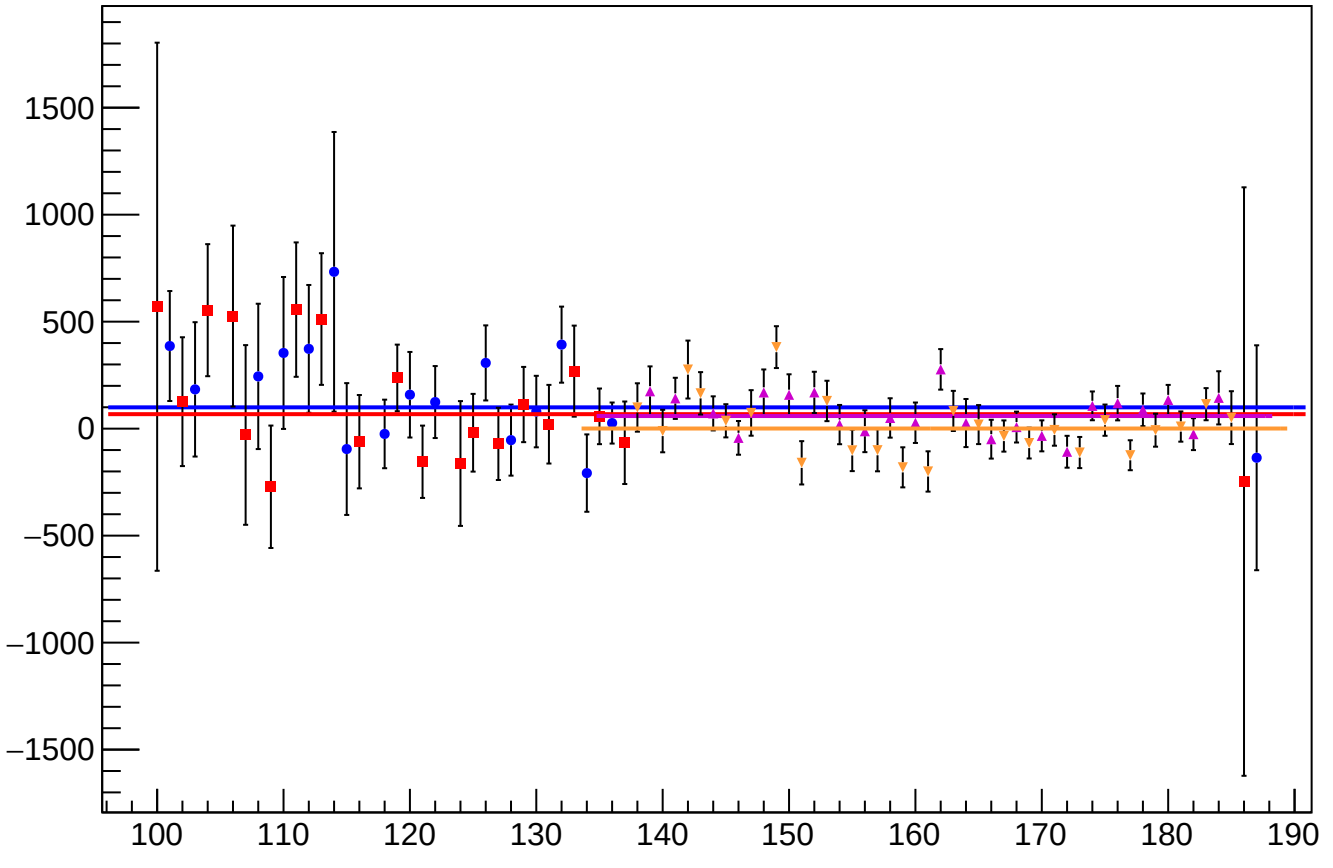
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 6098247.6/36

In: 0.000+/-0.000 χ^2/NDF:4547790.4/39

Out: 0.000+/-0.000 χ^2/NDF:5572572.2/44

All: 0.000+/-0.000 χ^2/NDF: 10131962.2/84



Right In: 99.525+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 67.702+/-49.296 χ^2/NDF: 16.2/19

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

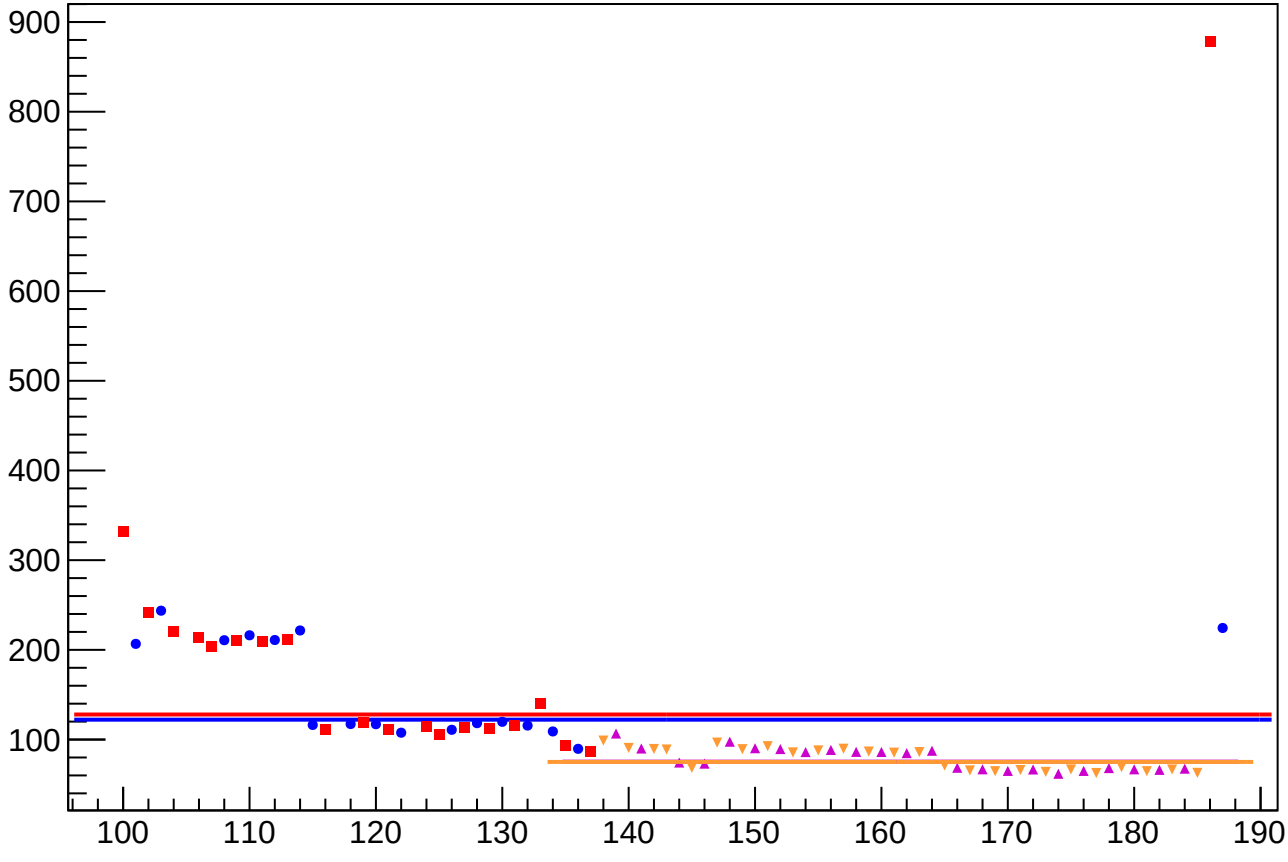
Right: 84.225+/-34.181 χ^2/NDF: 30.0/36

In: 63.959+/-16.730 χ^2/NDF:40.0/39

Out: 7.971+/-16.340 χ^2/NDF:66.4/44

All: 35.305+/-11.690 χ^2/NDF: 112.2/84

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 122.165+/-0.034 χ^2/NDF: 1362937.3/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 127.910+/-0.035 χ^2/NDF: 2067812.1/19

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

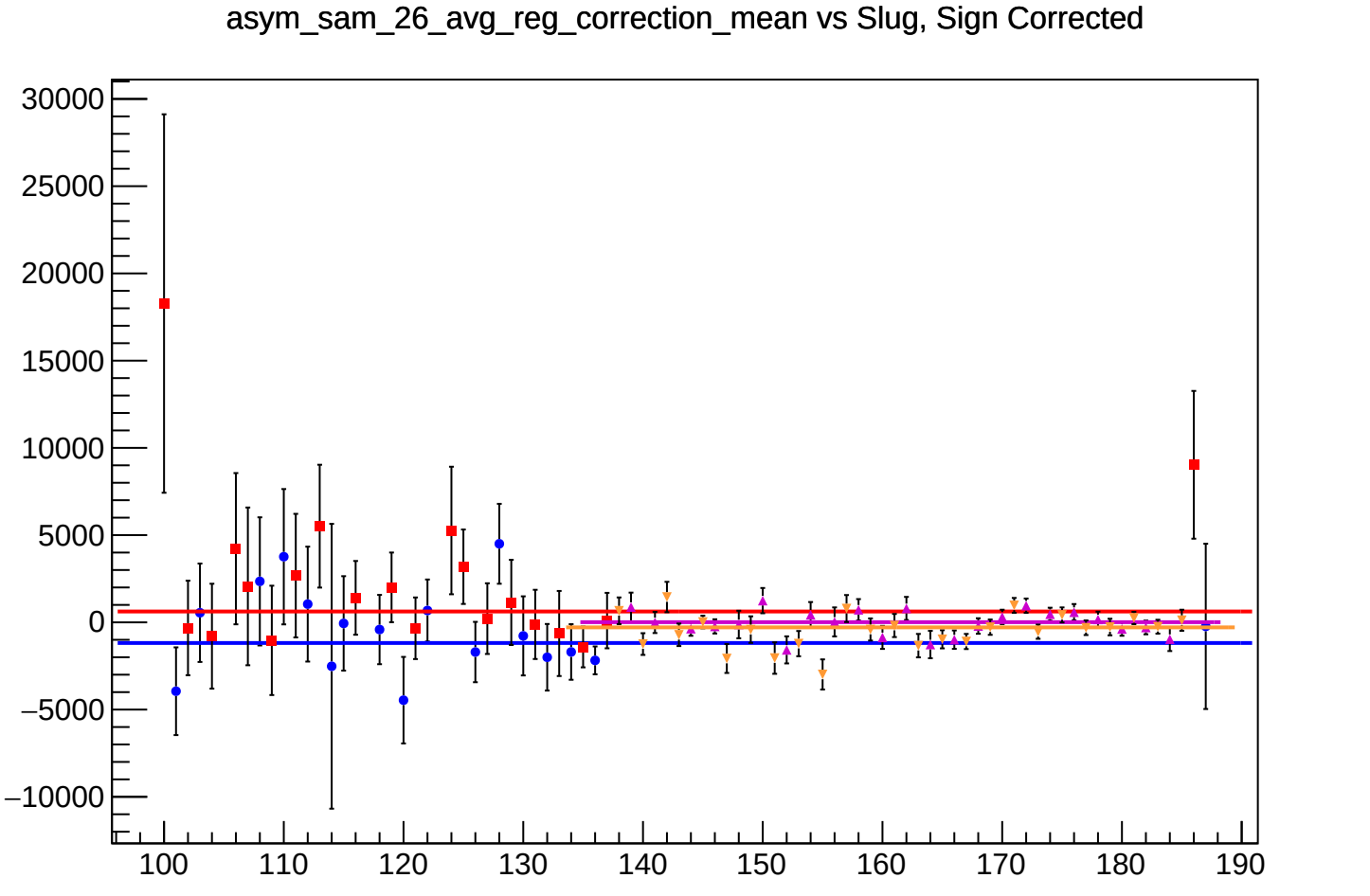
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

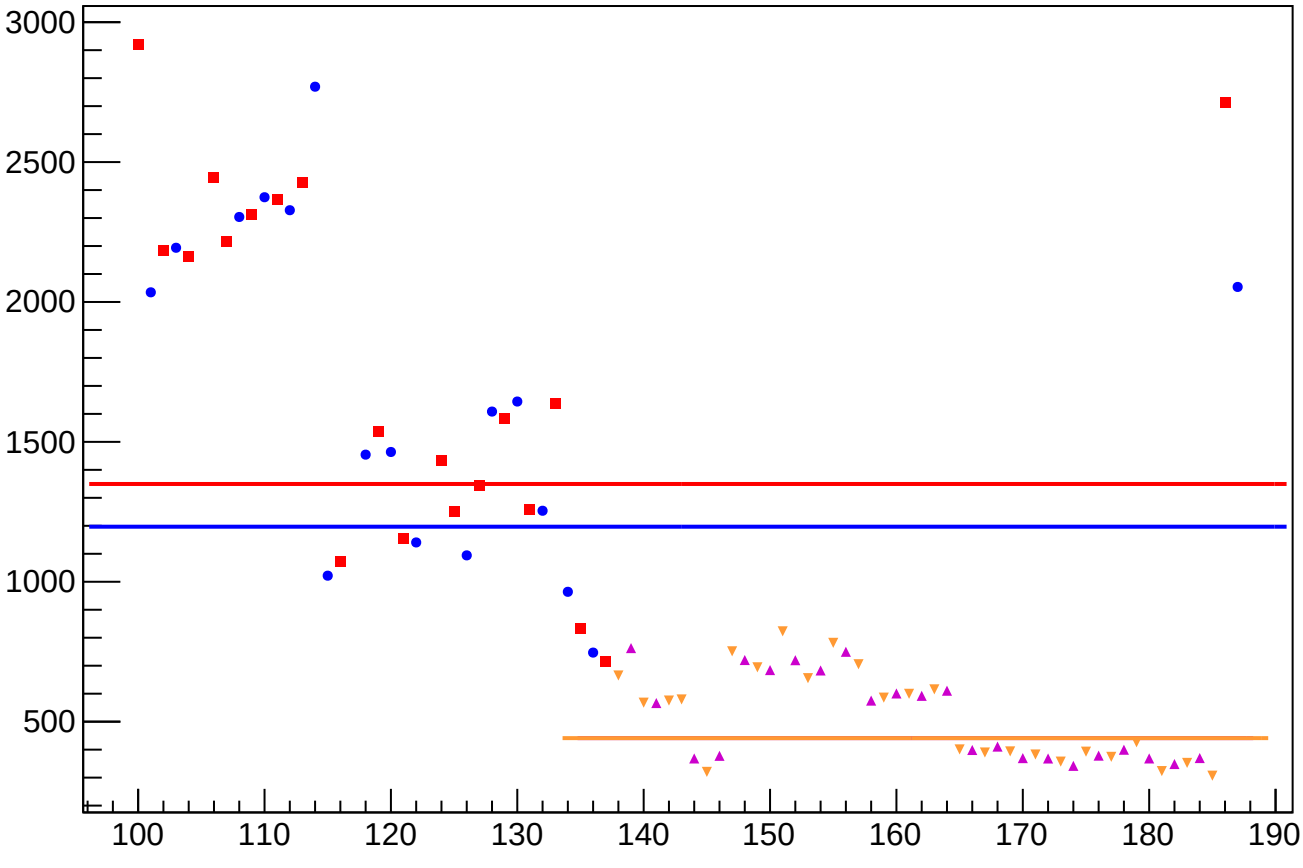
Right: 124.927+/-0.024 χ^2/NDF: 3444854.4/36

In: 81.175+/-0.012 χ^2/NDF:3906076.1/39

Out: 80.850+/-0.012 χ^2/NDF:5043611.9/44

All: 81.009+/-0.008 χ^2/NDF: 8950073.9/84


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1182.440+/-476.478 χ²/NDF: 16.0/16
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 622.285+/-517.839 χ²/NDF: 17.9/19
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -355.019+/-350.633 χ²/NDF: 40.4/36
In: -47.319+/-105.022 χ²/NDF:55.3/39
Out: -251.976+/-103.124 χ²/NDF:74.1/44
All: -151.514+/-73.581 χ²/NDF: 131.4/84



Right In: 1196.832+/-0.337 χ^2/NDF: 2110784.0/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1349.501+/-0.366 χ^2/NDF: 2167925.0/19

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

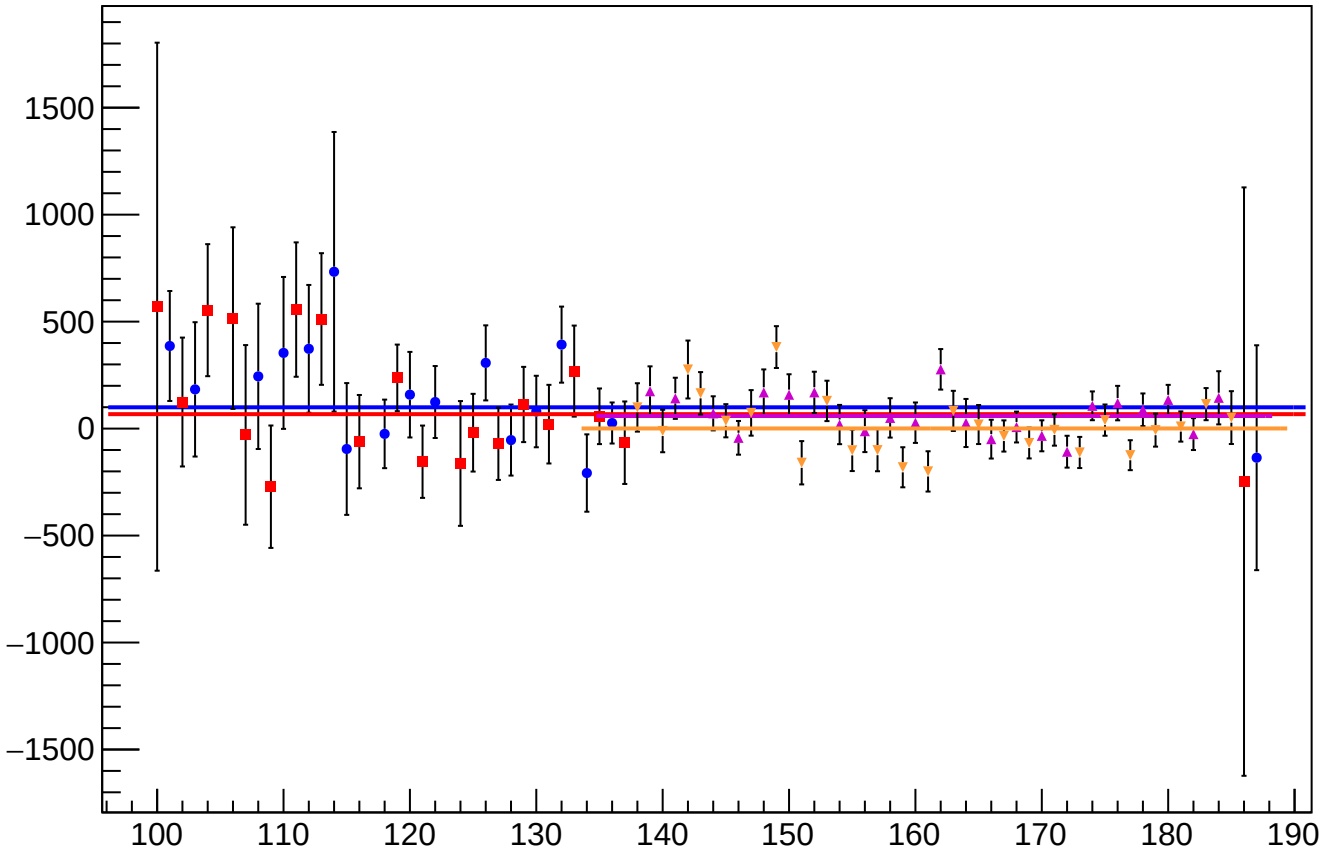
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1266.827+/-0.248 χ^2/NDF: 4372846.8/36

In: 477.906+/-0.074 χ^2/NDF:9578509.9/39

Out: 477.152+/-0.073 χ^2/NDF:11312658.5/44

All: 477.522+/-0.052 χ^2/NDF: 20891220.8/84



Right In: 99.511+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 67.476+/-49.299 χ^2/NDF: 16.1/19

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

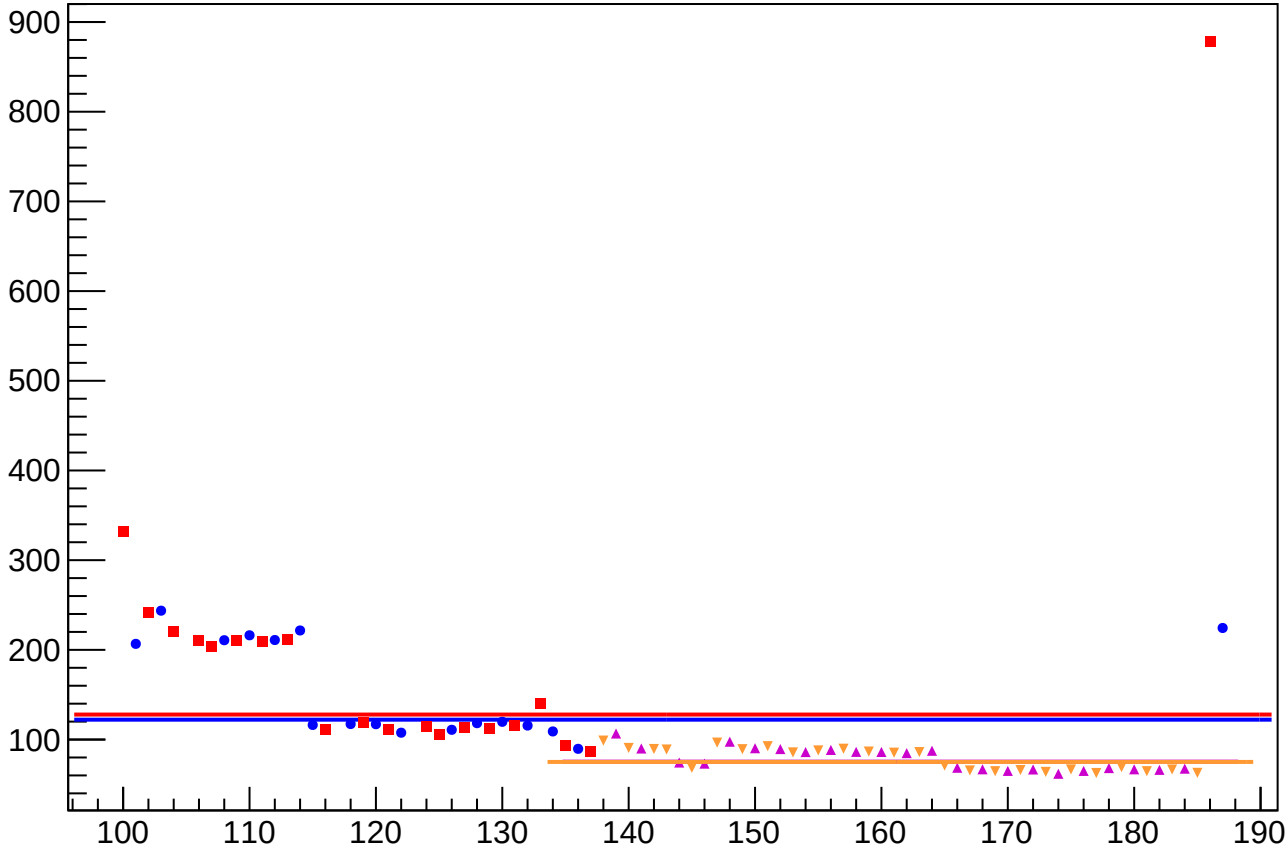
Right: 84.110+/-34.182 χ^2/NDF: 29.9/36

In: 63.955+/-16.730 χ^2/NDF:40.0/39

Out: 7.945+/-16.340 χ^2/NDF:66.4/44

All: 35.290+/-11.690 χ^2/NDF: 112.1/84

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 122.165+/-0.034 χ^2/NDF: 1362939.8/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 127.860+/-0.035 χ^2/NDF: 2061777.9/19

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

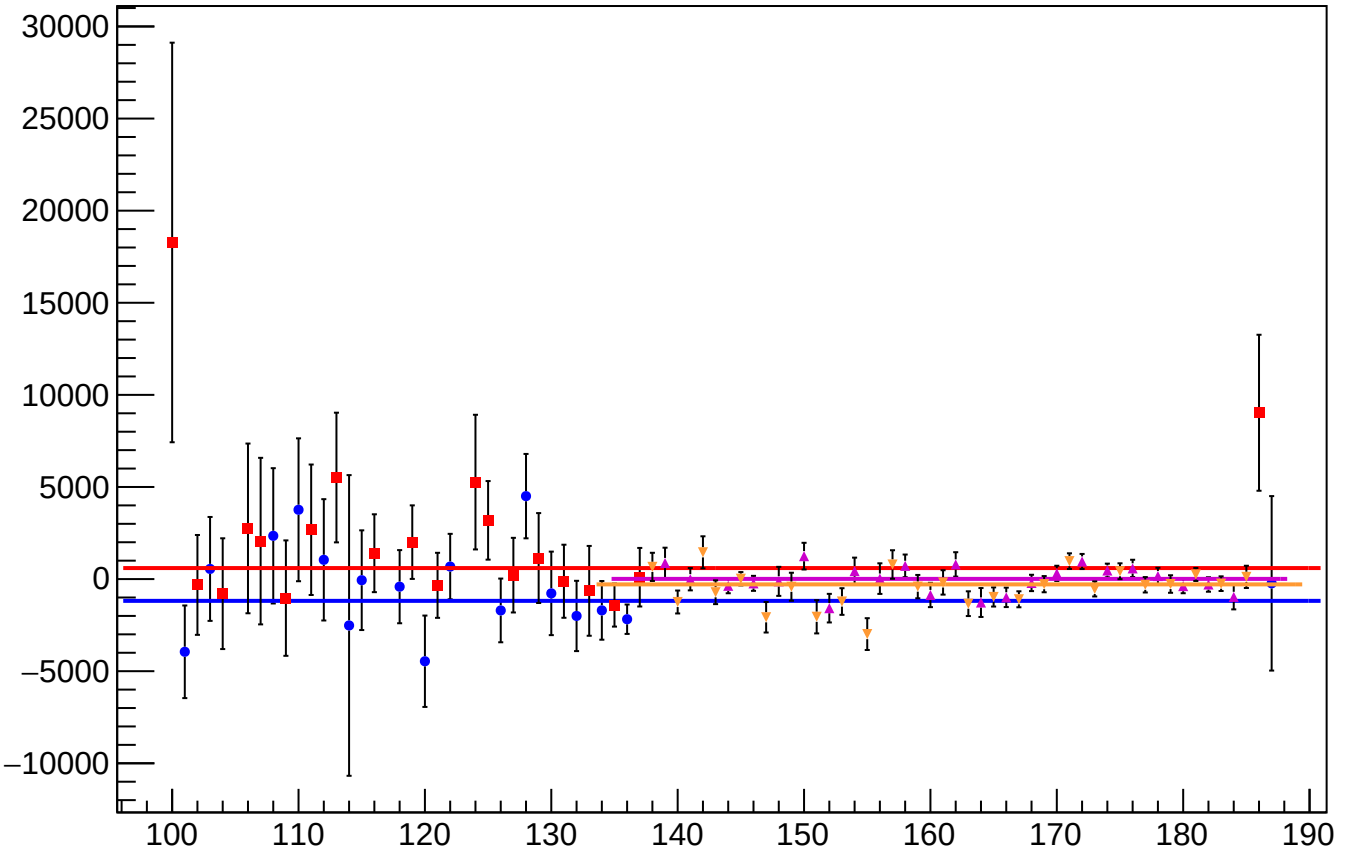
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 124.903+/-0.024 χ^2/NDF: 3438578.2/36

In: 81.175+/-0.012 χ^2/NDF:3906078.1/39

Out: 80.844+/-0.012 χ^2/NDF:5033492.3/44

All: 81.006+/-0.008 χ^2/NDF: 8939971.0/84



Right In: -1182.417+/-476.479 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 597.976+/-518.277 χ^2/NDF: 17.4/19

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

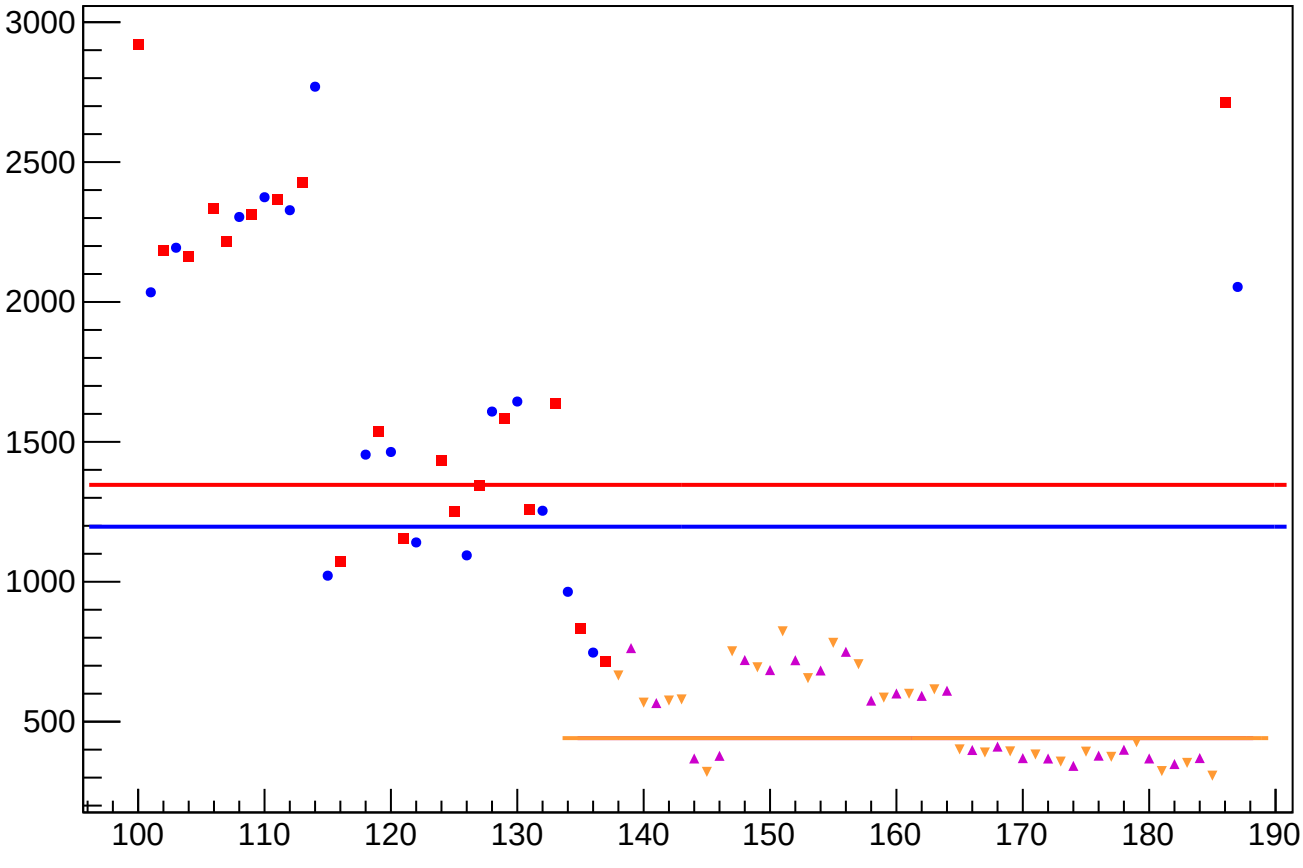
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -366.897+/-350.769 χ^2/NDF: 39.8/36

In: -47.316+/-105.022 χ^2/NDF:55.3/39

Out: -252.997+/-103.127 χ^2/NDF:73.5/44

All: -152.029+/-73.582 χ^2/NDF: 130.8/84



Right In: 1196.832+/-0.337 χ^2/NDF: 2110814.5/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1346.333+/-0.366 χ^2/NDF: 2132136.5/19

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

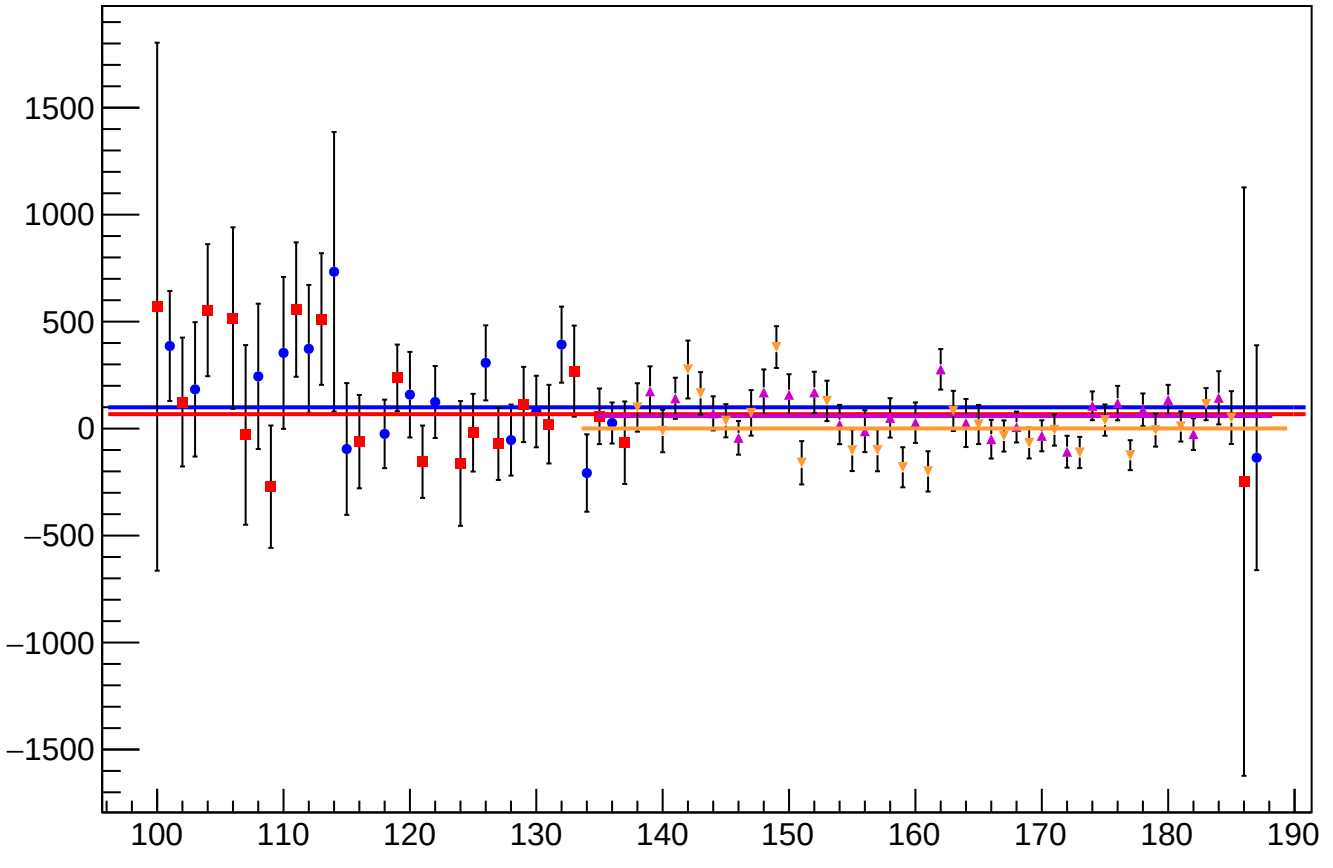
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1265.312+/-0.248 χ^2/NDF: 4333139.6/36

In: 477.906+/-0.074 χ^2/NDF:9578520.3/39

Out: 476.969+/-0.073 χ^2/NDF:11226190.2/44

All: 477.429+/-0.052 χ^2/NDF: 20804791.7/84



Right In: 99.511+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 67.476+/-49.299 χ^2/NDF: 16.1/19

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

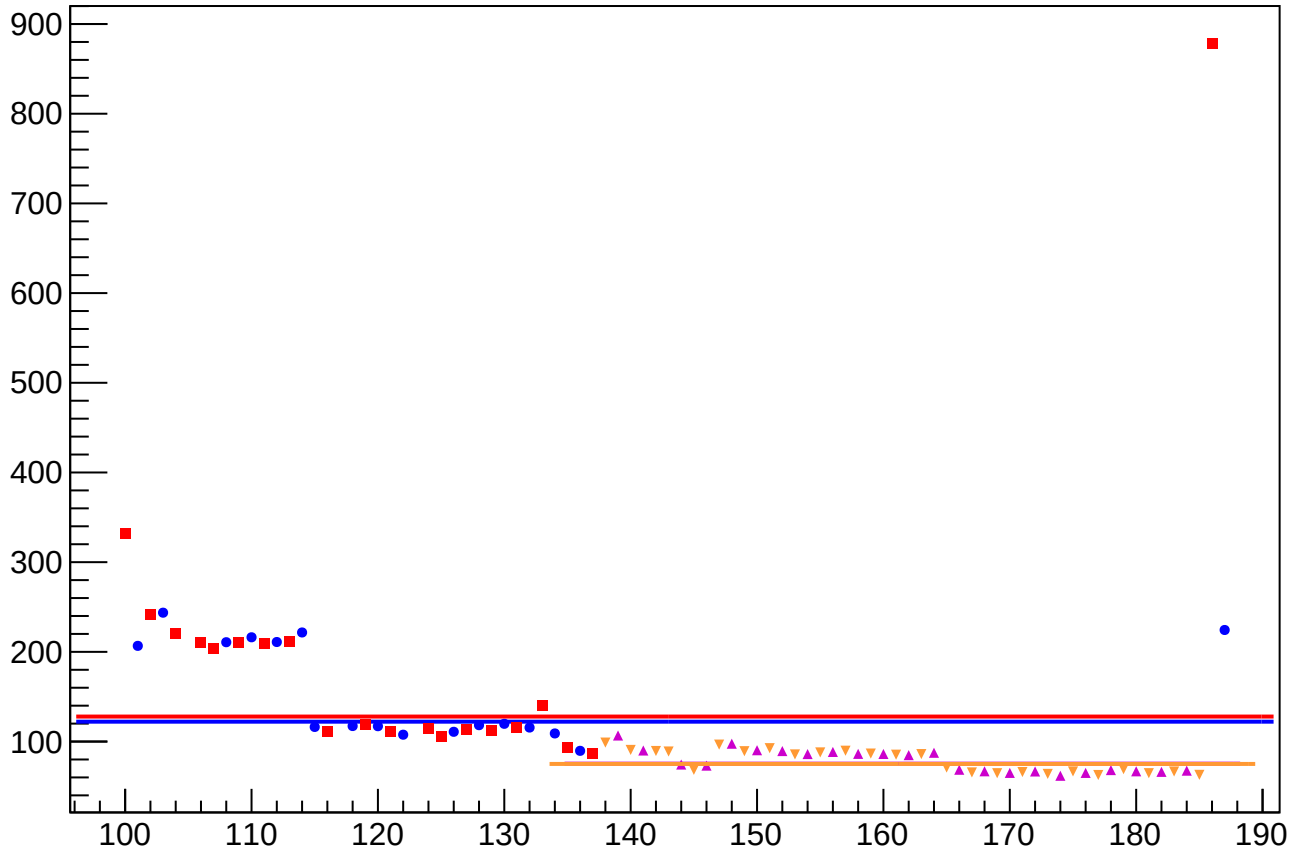
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 84.110+/-34.182 χ^2/NDF: 29.9/36

In: 63.955+/-16.730 χ^2/NDF:40.0/39

Out: 7.945+/-16.340 χ^2/NDF:66.4/44

All: 35.290+/-11.690 χ^2/NDF: 112.1/84



Right In: 122.165+/-0.034 χ^2/NDF: 1362939.8/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 127.860+/-0.035 χ^2/NDF: 2061777.9/19

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

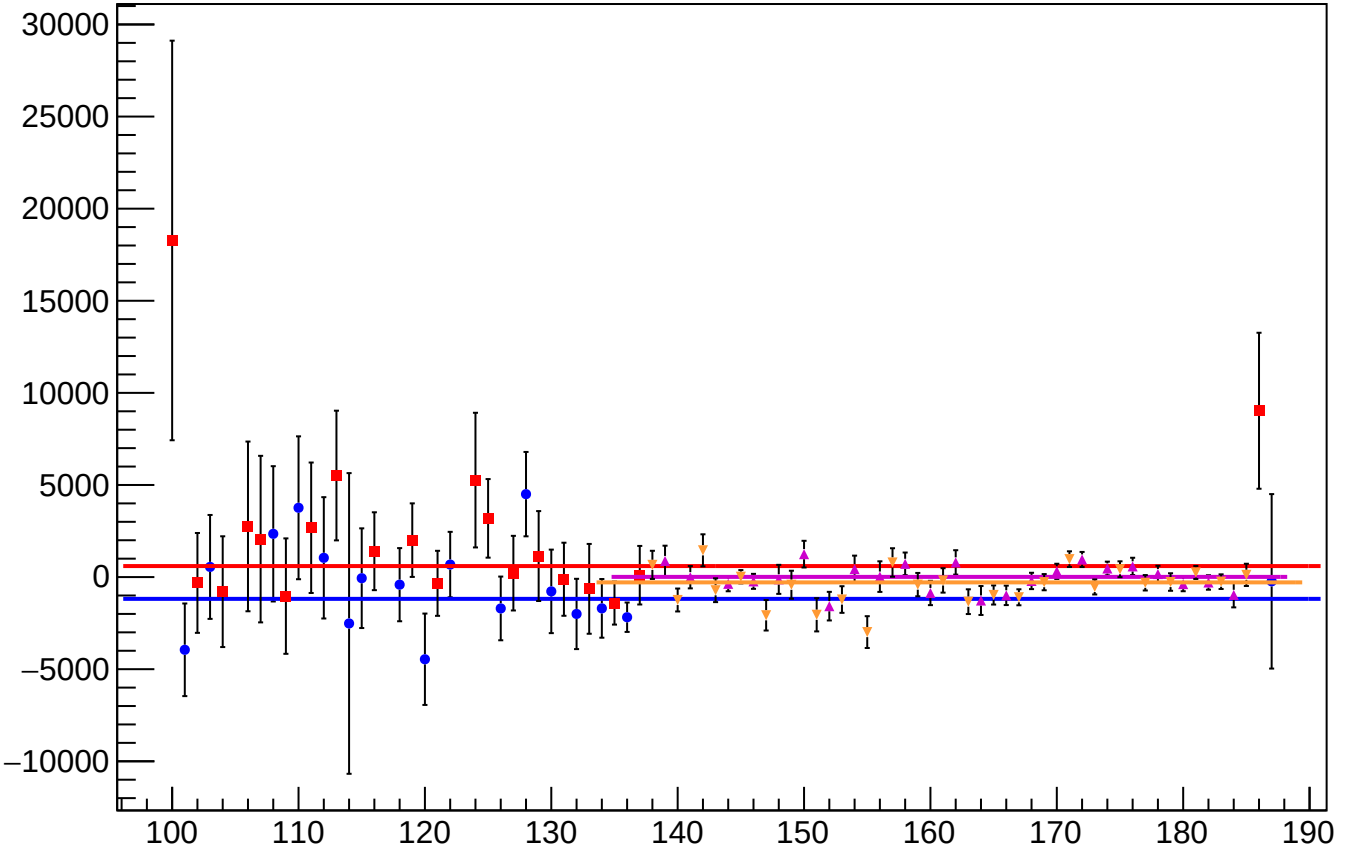
Right: 124.903+/-0.024 χ^2/NDF: 3438578.2/36

In: 81.175+/-0.012 χ^2/NDF:3906078.1/39

Out: 80.844+/-0.012 χ^2/NDF:5033492.3/44

All: 81.006+/-0.008 χ^2/NDF: 8939971.0/84

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1182.417+/-476.479 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 597.976+/-518.277 χ^2/NDF: 17.4/19

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

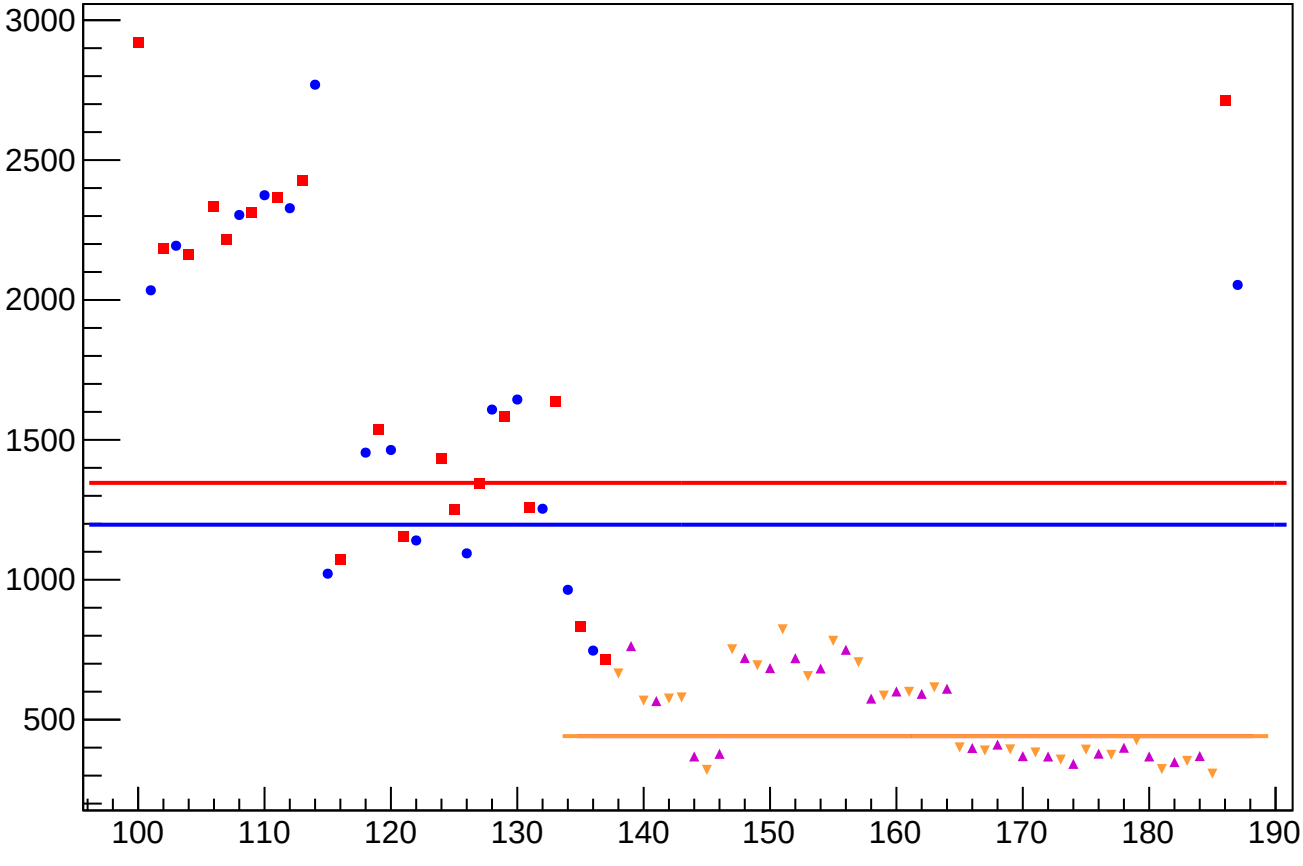
Right: -366.897+/-350.769 χ^2/NDF: 39.8/36

In: -47.316+/-105.022 χ^2/NDF:55.3/39

Out: -252.997+/-103.127 χ^2/NDF:73.5/44

All: -152.029+/-73.582 χ^2/NDF: 130.8/84

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1196.832+/-0.337 χ^2/NDF: 2110814.5/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1346.333+/-0.366 χ^2/NDF: 2132136.5/19

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

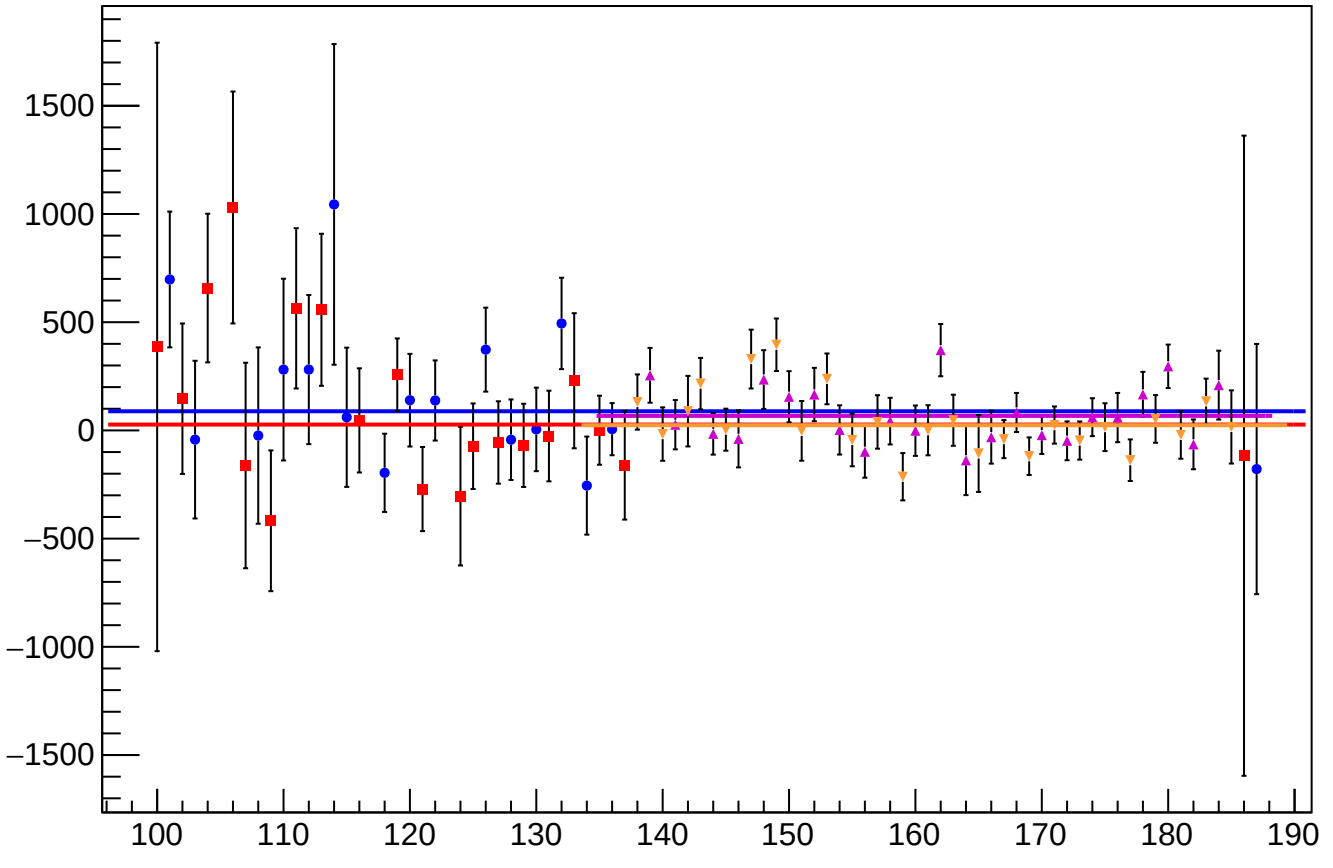
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1265.312+/-0.248 χ^2/NDF: 4333139.6/36

In: 477.906+/-0.074 χ^2/NDF:9578520.3/39

Out: 476.969+/-0.073 χ^2/NDF:11226190.2/44

All: 477.429+/-0.052 χ^2/NDF: 20804791.7/84



Right In: 88.441+/-55.310 χ^2/NDF: 18.3/16

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 26.956+/-56.973 χ^2/NDF: 20.6/19

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

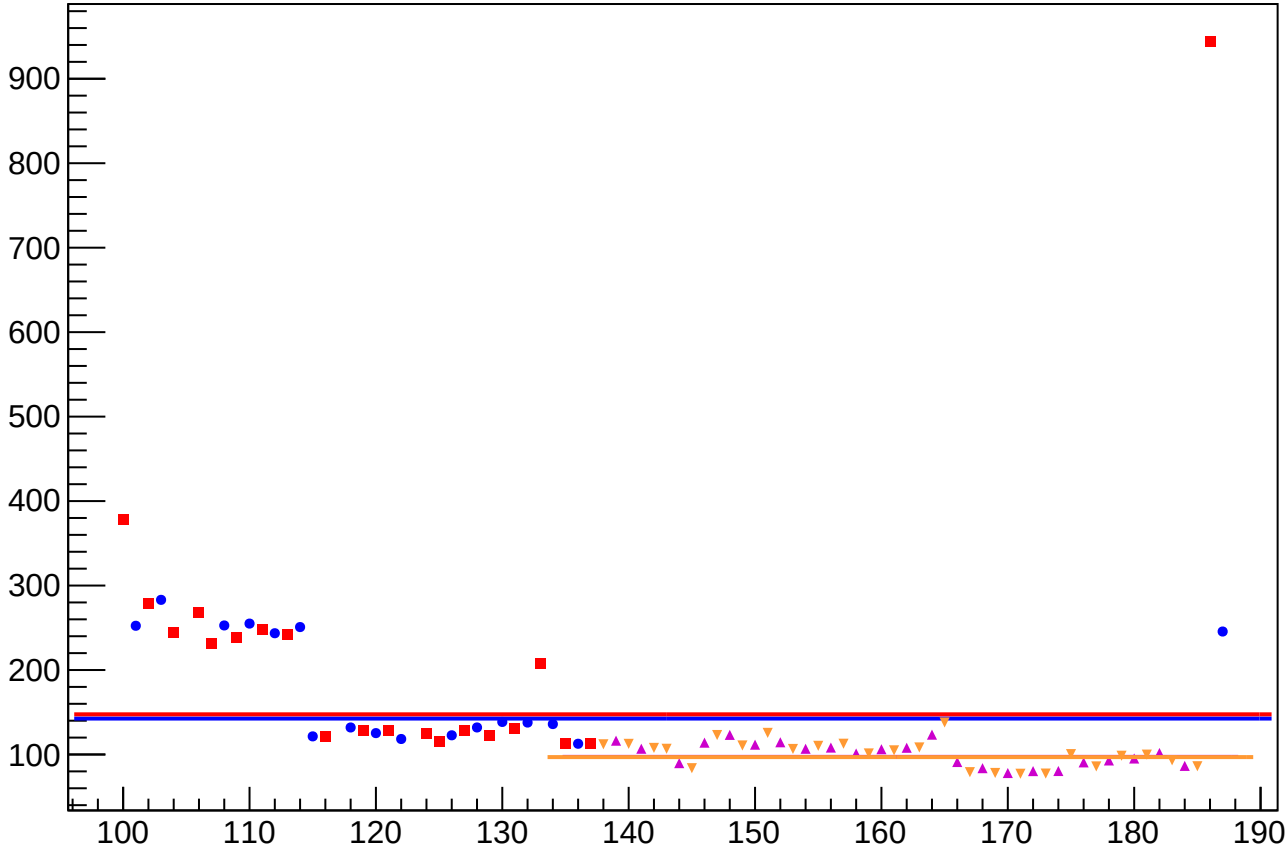
Right: 58.609+/-39.685 χ^2/NDF: 39.5/36

In: 70.262+/-21.332 χ^2/NDF:47.1/39

Out: 24.287+/-20.858 χ^2/NDF:55.7/44

All: 46.758+/-14.914 χ^2/NDF: 105.2/84

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 142.538+/-0.039 χ^2/NDF: 1326473.6/16

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 147.552+/-0.040 χ^2/NDF: 2094552.0/19

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

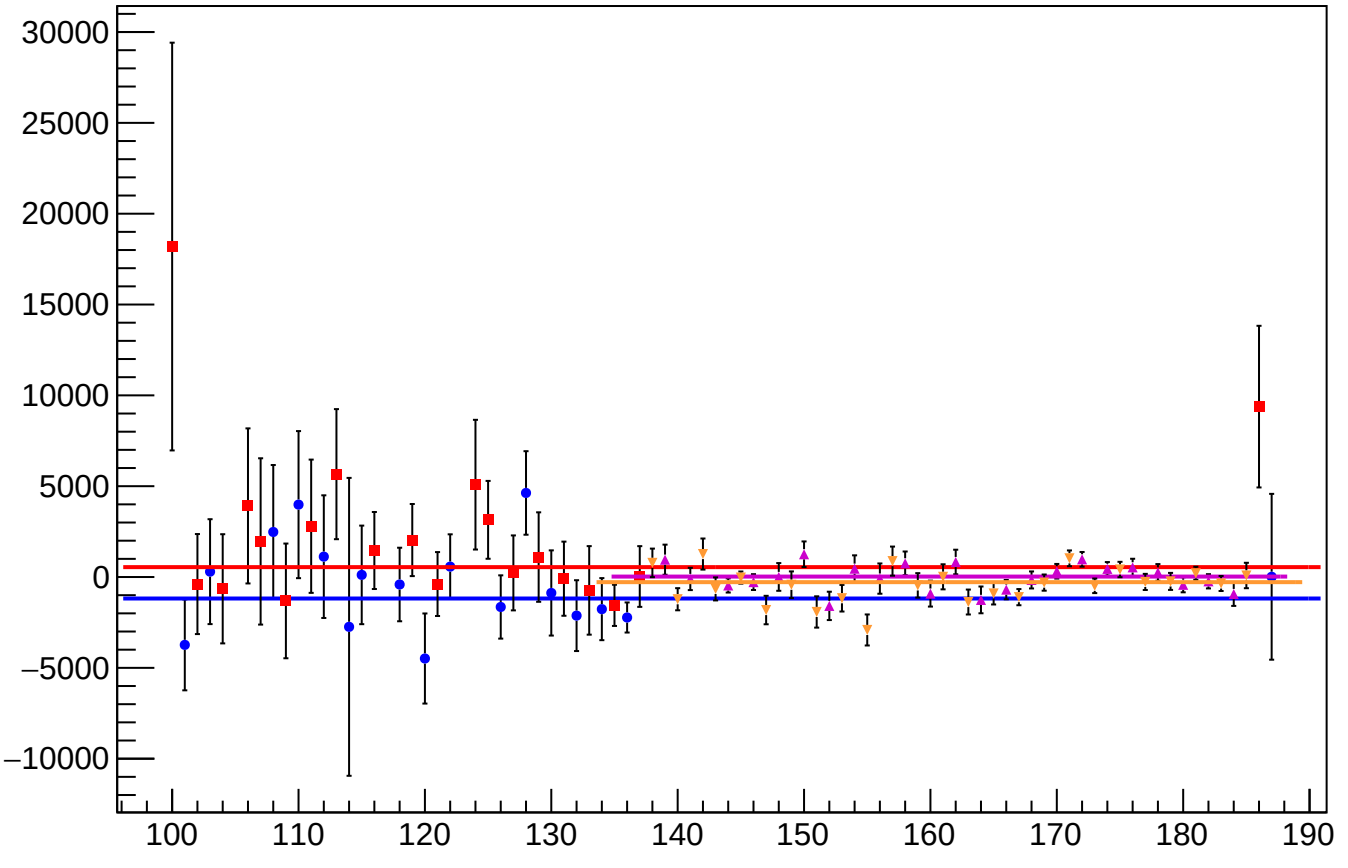
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 144.971+/-0.028 χ^2/NDF: 3429001.0/36

In: 103.916+/-0.015 χ^2/NDF:3146658.3/39

Out: 103.695+/-0.015 χ^2/NDF:4397099.8/44

All: 103.803+/-0.011 χ^2/NDF: 7543868.0/84



Right In: -1182.798+/-488.561 χ^2/NDF: 16.0/16

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 544.649+/-520.240 χ^2/NDF: 18.3/19

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

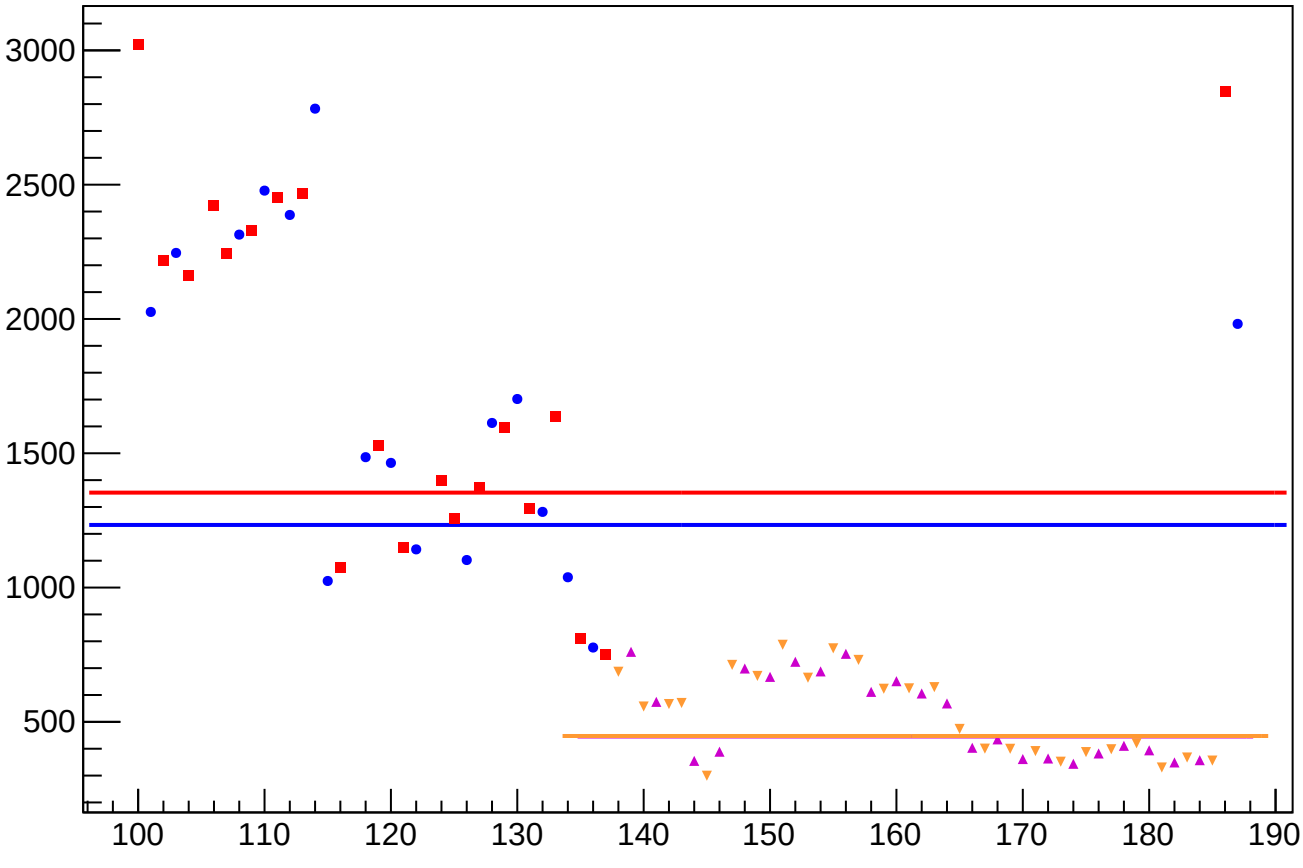
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -373.268+/-356.138 χ^2/NDF: 40.2/36

In: -32.509+/-106.276 χ^2/NDF:54.8/39

Out: -249.219+/-104.237 χ^2/NDF:71.1/44

All: -142.963+/-74.417 χ^2/NDF: 128.0/84



Right In: 1233.147+/-0.345 χ^2/NDF: 2013785.6/16

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1353.492+/-0.368 χ^2/NDF: 2223352.2/19

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

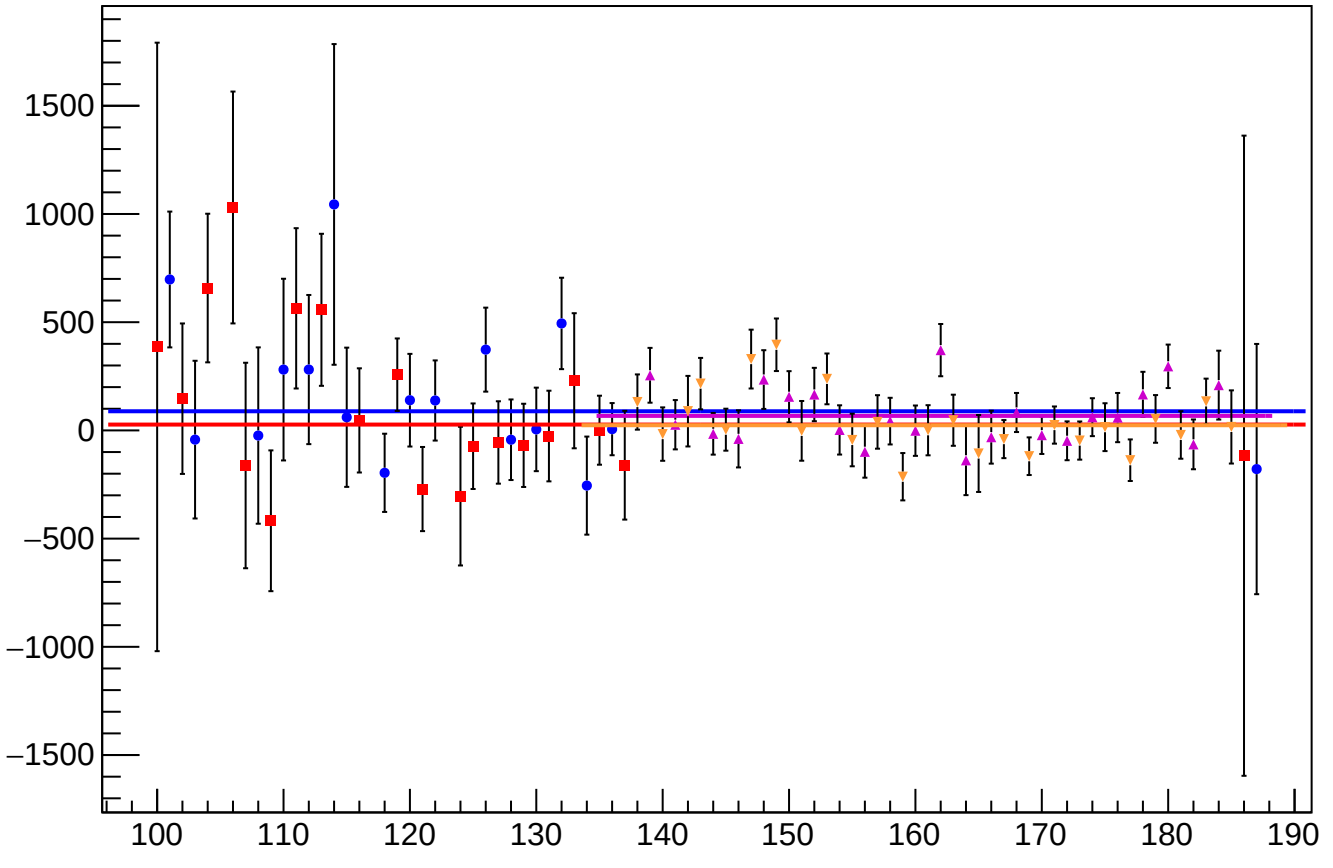
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1289.544+/-0.252 χ^2/NDF: 4294006.7/36

In: 482.762+/-0.075 χ^2/NDF:9679452.4/39

Out: 483.761+/-0.074 χ^2/NDF:11244644.5/44

All: 483.272+/-0.053 χ^2/NDF: 20924187.0/84



Right In: 88.444+/-55.309 χ^2/NDF: 18.3/16

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 26.957+/-56.973 χ^2/NDF: 20.6/19

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

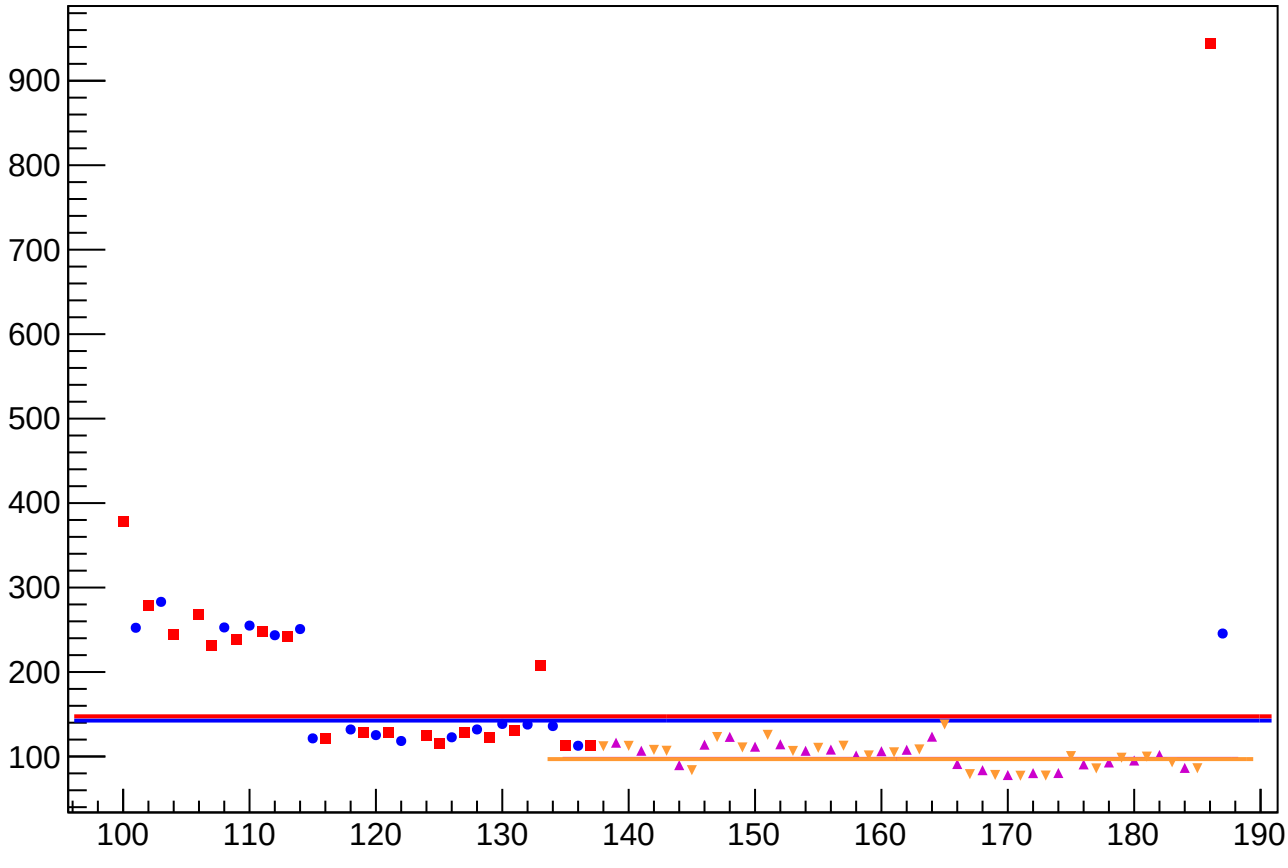
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 58.611+/-39.685 χ^2/NDF: 39.5/36

In: 70.262+/-21.332 χ^2/NDF:47.1/39

Out: 24.285+/-20.858 χ^2/NDF:55.7/44

All: 46.757+/-14.914 χ^2/NDF: 105.2/84



Right In: 142.537+/-0.039 χ^2/NDF: 1326458.8/16

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 147.552+/-0.040 χ^2/NDF: 2094537.9/19

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

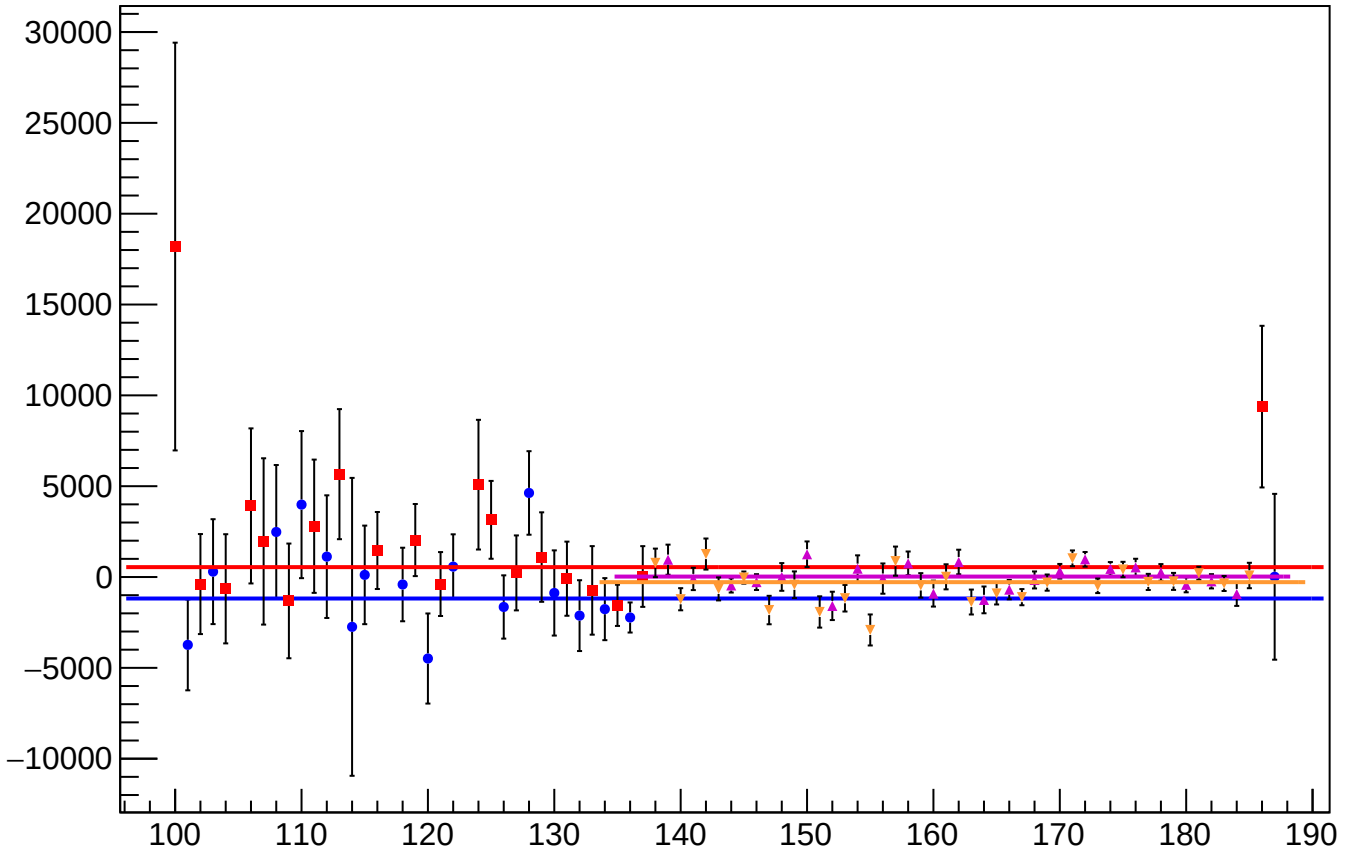
Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

Right: 144.970+/-0.028 χ^2/NDF: 3428973.2/36

In: 103.917+/-0.015 χ^2/NDF:3146590.3/39

Out: 103.695+/-0.015 χ^2/NDF:4397055.4/44

All: 103.804+/-0.011 χ^2/NDF: 7543755.6/84



Right In: -1182.794+/-488.560 χ^2/NDF: 16.0/16

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 544.651+/-520.240 χ^2/NDF: 18.3/19

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

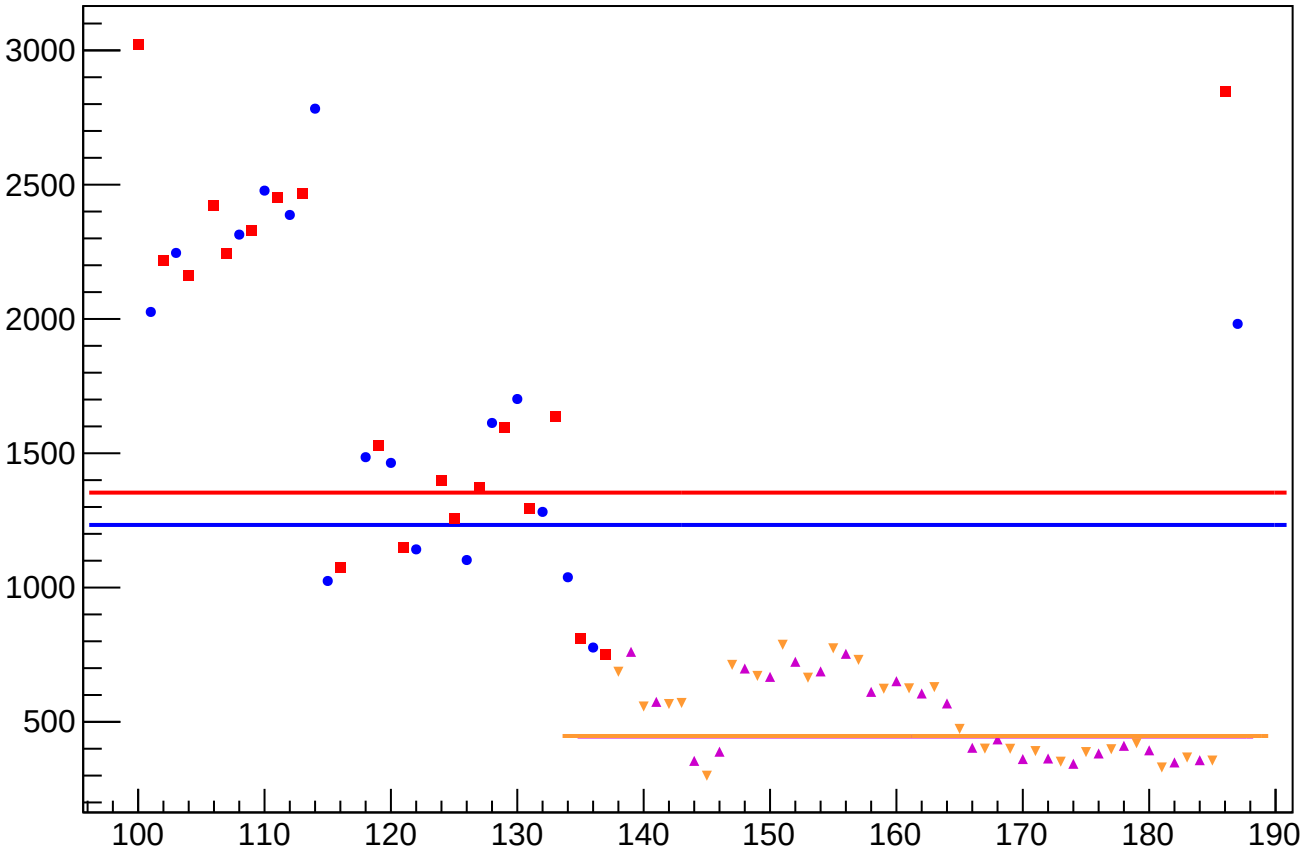
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -373.265+/-356.137 χ^2/NDF: 40.2/36

In: -32.508+/-106.276 χ^2/NDF:54.8/39

Out: -249.218+/-104.237 χ^2/NDF:71.1/44

All: -142.963+/-74.417 χ^2/NDF: 128.0/84



Right In: 1233.146+/-0.345 χ^2/NDF: 2013764.4/16

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1353.491+/-0.368 χ^2/NDF: 2223335.1/19

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

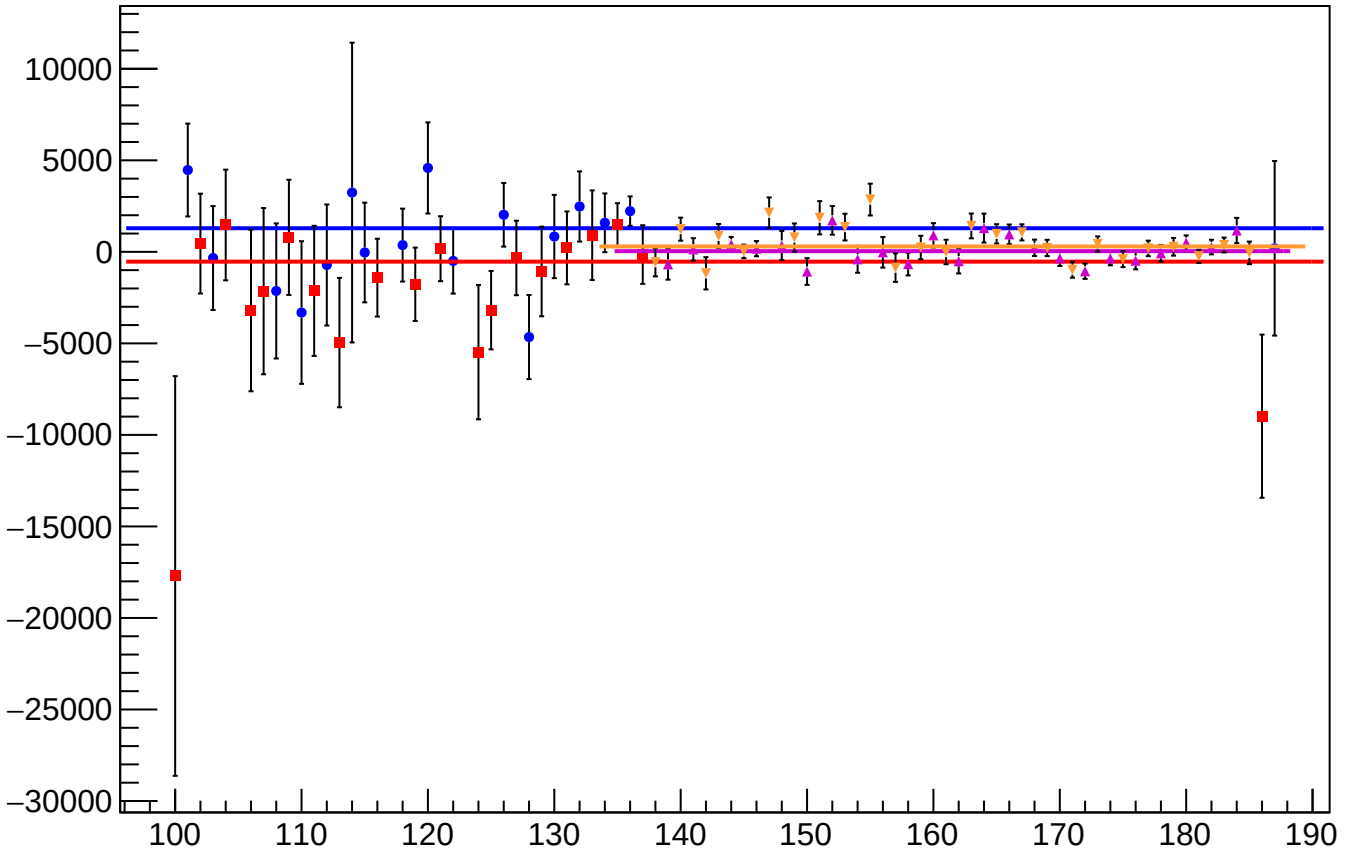
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1289.543+/-0.252 χ^2/NDF: 4293968.3/36

In: 482.762+/-0.075 χ^2/NDF:9679449.3/39

Out: 483.761+/-0.074 χ^2/NDF:11244659.0/44

All: 483.271+/-0.053 χ^2/NDF: 20924198.4/84



Right In: 1290.412+/-479.515 χ^2/NDF: 16.5/16

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -535.234+/-520.920 χ^2/NDF: 16.7/19

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

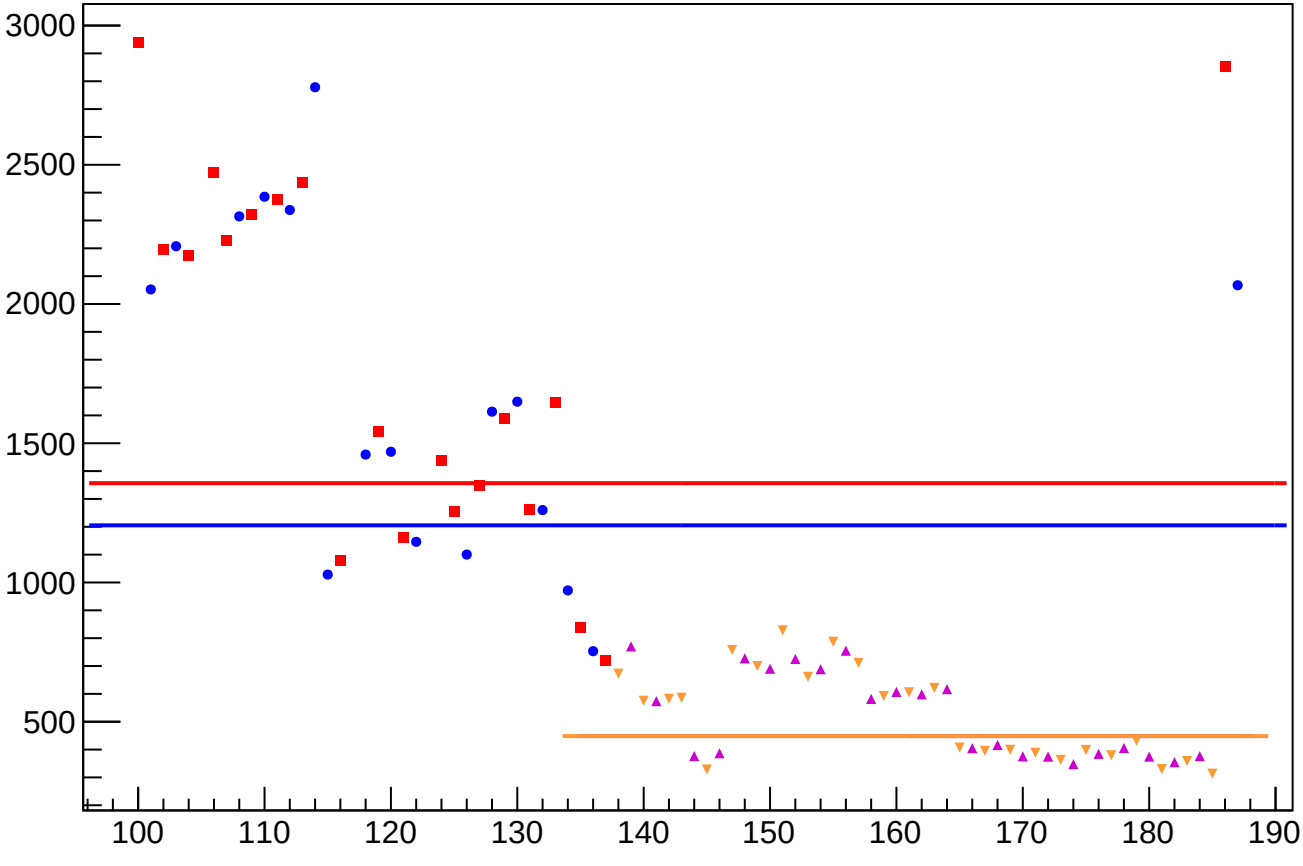
Right: 453.017+/-352.799 χ^2/NDF: 39.9/36

In: 99.974+/-106.581 χ^2/NDF:55.9/39

Out: 261.510+/-104.633 χ^2/NDF:69.6/44

All: 182.232+/-74.666 χ^2/NDF: 126.7/84

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1205.162+/-0.339 χ^2/NDF: 2097778.8/16

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1356.554+/-0.368 χ^2/NDF: 2180471.0/19

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

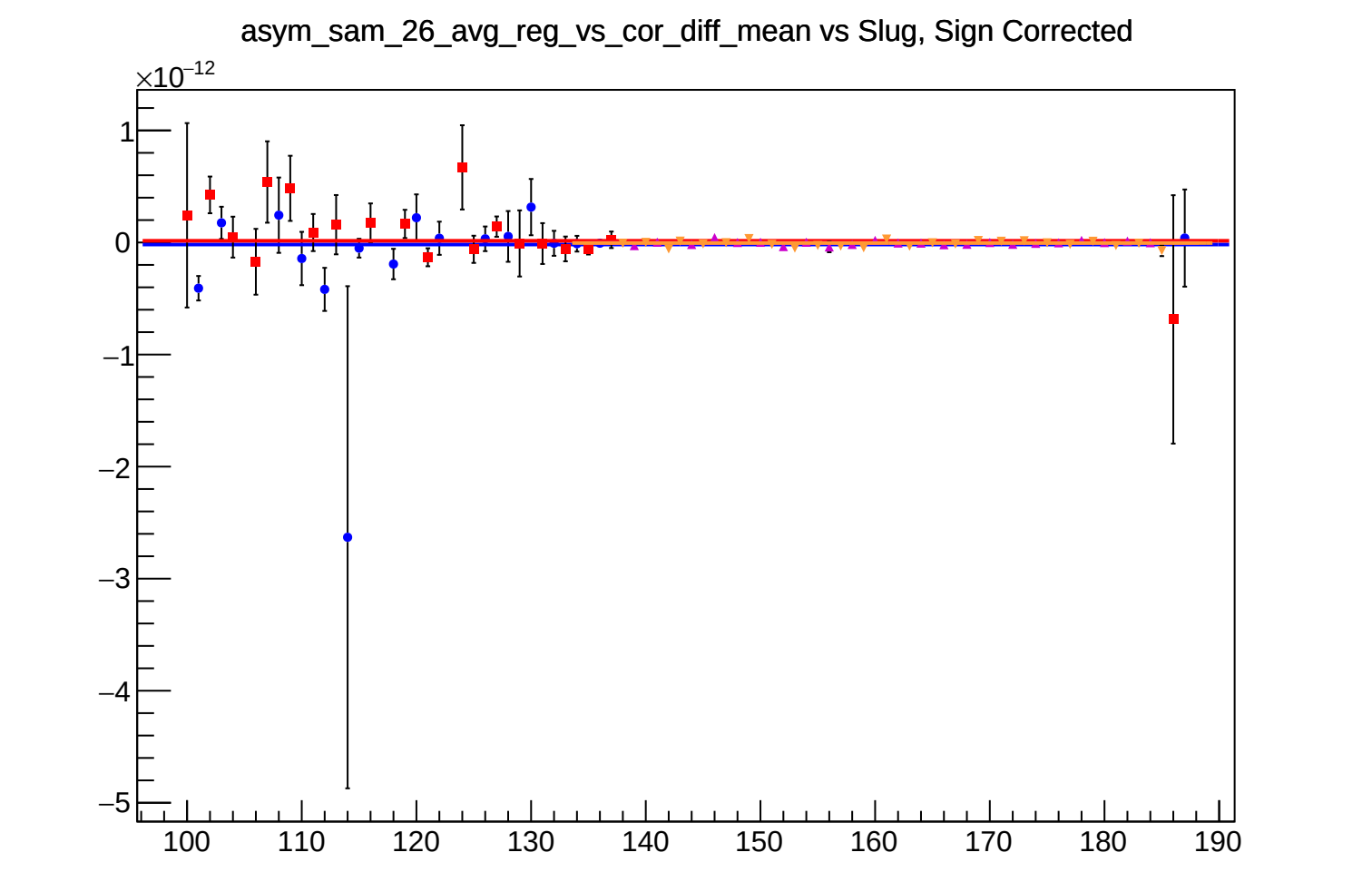
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1274.603+/-0.249 χ^2/NDF: 4369691.9/36

In: 485.784+/-0.075 χ^2/NDF:9453797.2/39

Out: 484.923+/-0.074 χ^2/NDF:11172356.3/44

All: 485.345+/-0.053 χ^2/NDF: 20626219.9/84



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/19

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

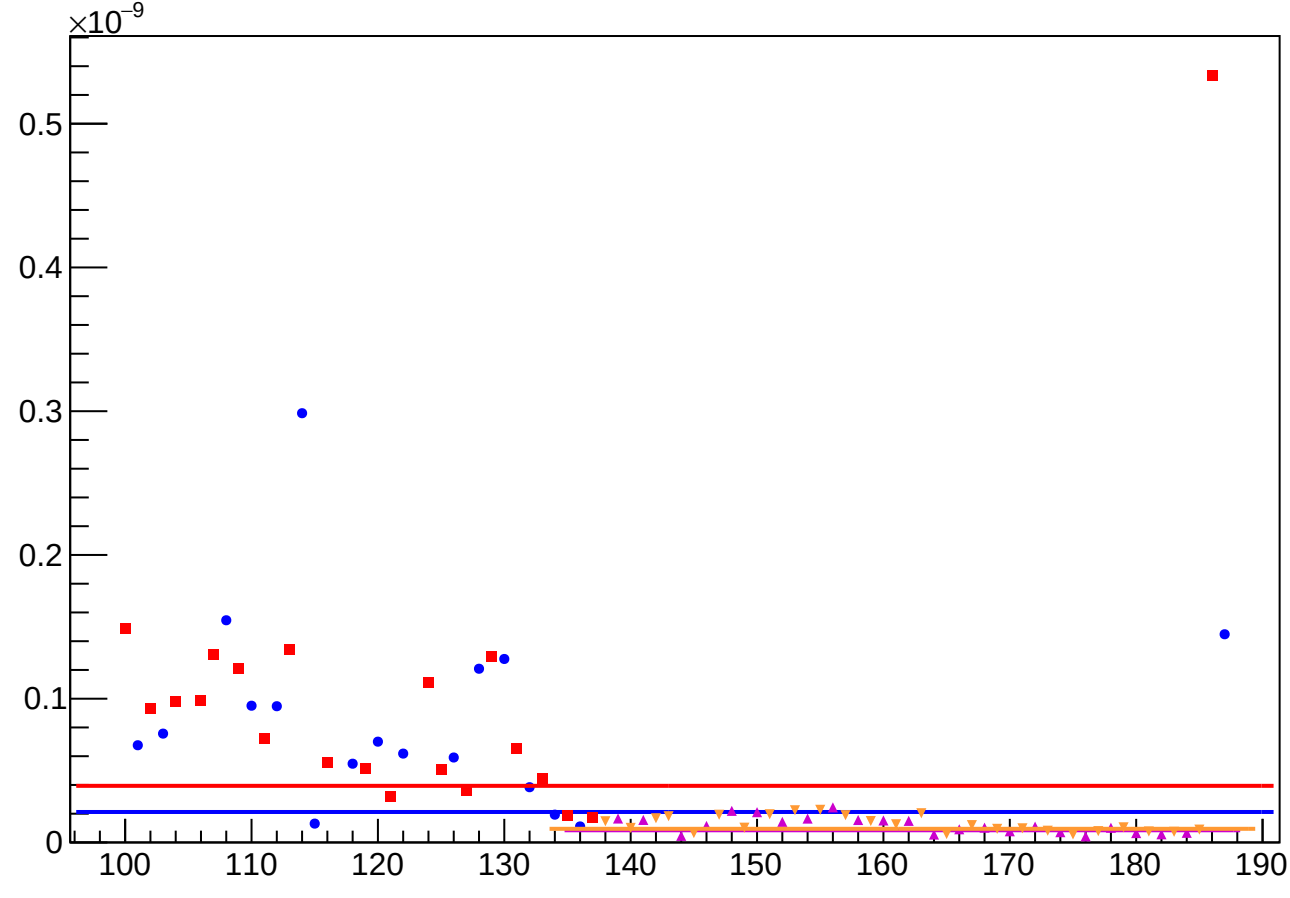
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 53.9/36

In: -0.000+/-0.000 χ^2/NDF:44.2/39

Out: -0.000+/-0.000 χ^2/NDF:49.7/44

All: -0.000+/-0.000 χ^2/NDF: 93.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 3543973.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2471999.6/19

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

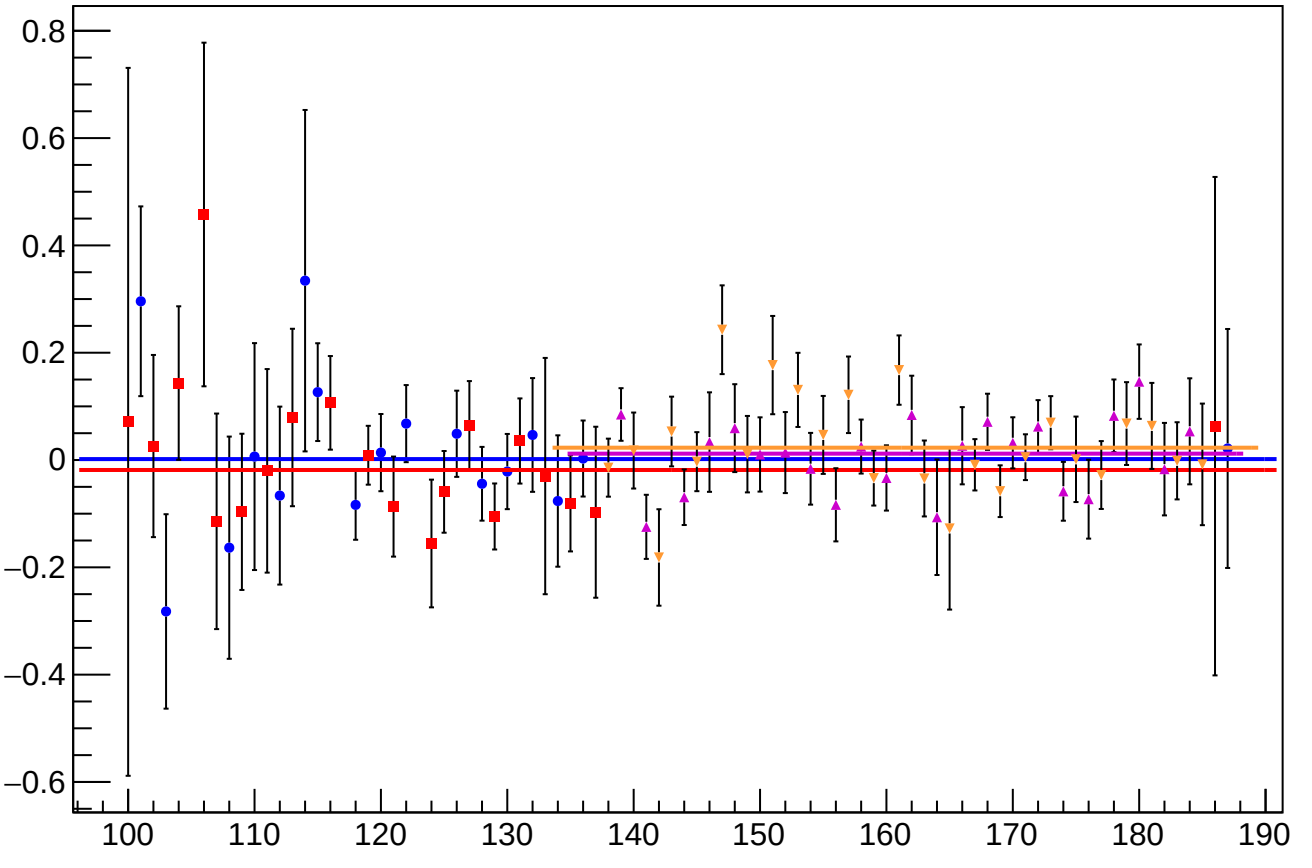
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6630706.8/36

In: 0.000+/-0.000 χ^2/NDF:7261858.4/39

Out: 0.000+/-0.000 χ^2/NDF:7199186.4/44

All: 0.000+/-0.000 χ^2/NDF: 14539017.7/84



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

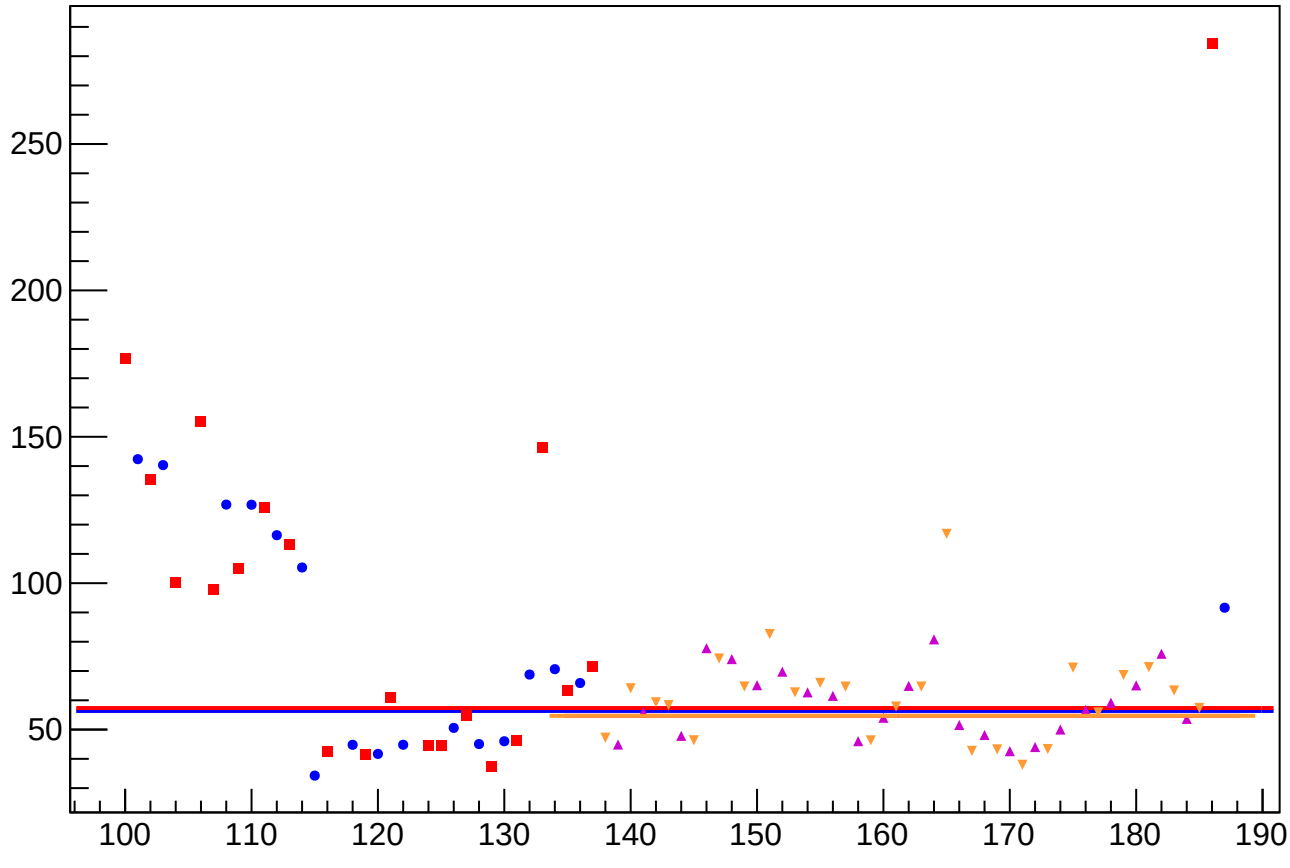
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.008+/-0.017 χ^2/NDF: 26.6/36

In: 0.009+/-0.012 χ^2/NDF:39.1/39

Out: 0.013+/-0.011 χ^2/NDF:49.7/44

All: 0.011+/-0.008 χ^2/NDF: 88.9/84



Right In: 56.358+/-0.016 χ^2/NDF: 2230520.1/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 57.352+/-0.017 χ^2/NDF: 3031829.3/19

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

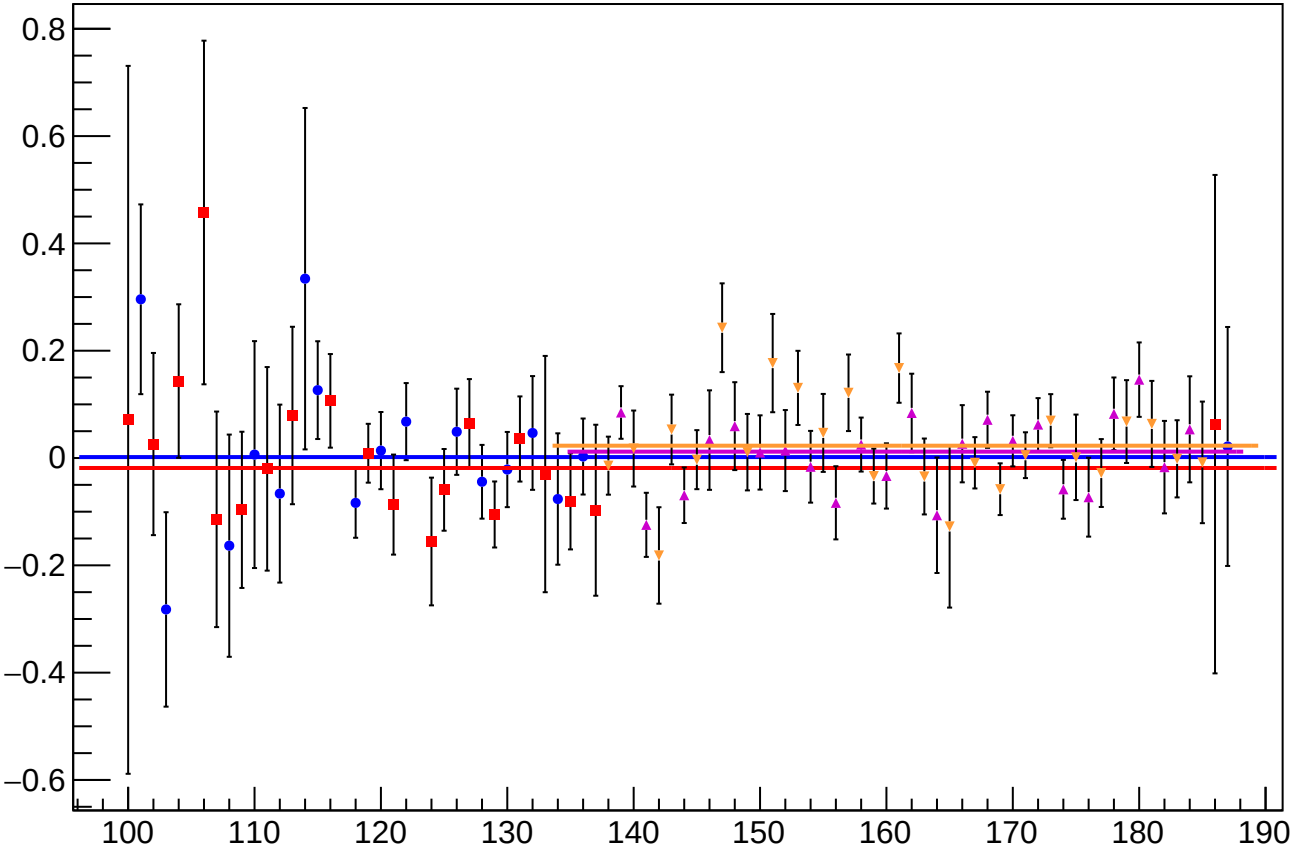
Right: 56.851+/-0.012 χ^2/NDF: 5264155.3/36

In: 55.097+/-0.008 χ^2/NDF:3429073.5/39

Out: 55.306+/-0.008 χ^2/NDF:4988167.2/44

All: 55.203+/-0.006 χ^2/NDF: 8417575.6/84

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

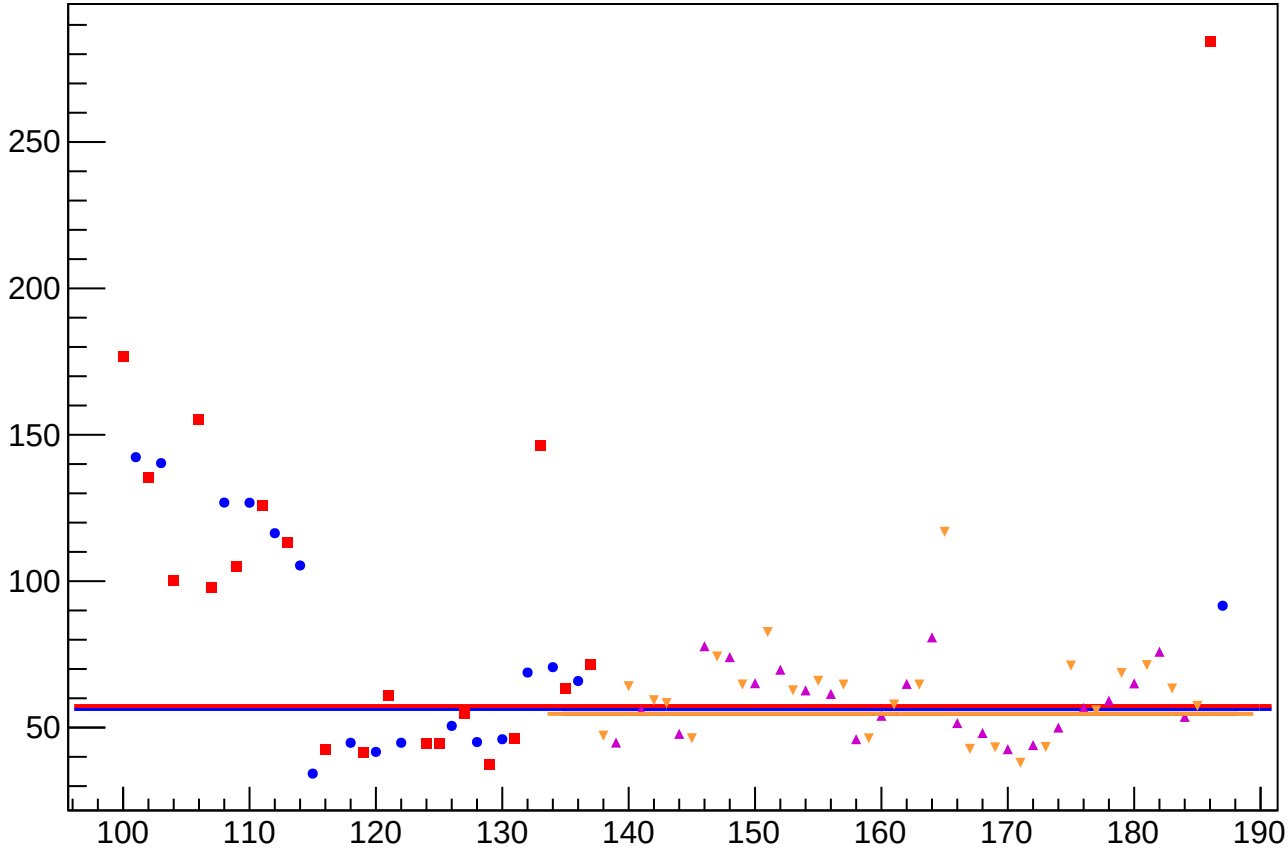
Right: -0.008+/-0.017 χ^2/NDF: 26.6/36

In: 0.009+/-0.012 χ^2/NDF:39.1/39

Out: 0.013+/-0.011 χ^2/NDF:49.7/44

All: 0.011+/-0.008 χ^2/NDF: 88.9/84

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.358+/-0.016 χ^2/NDF: 2230520.1/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 57.352+/-0.017 χ^2/NDF: 3031829.3/19

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

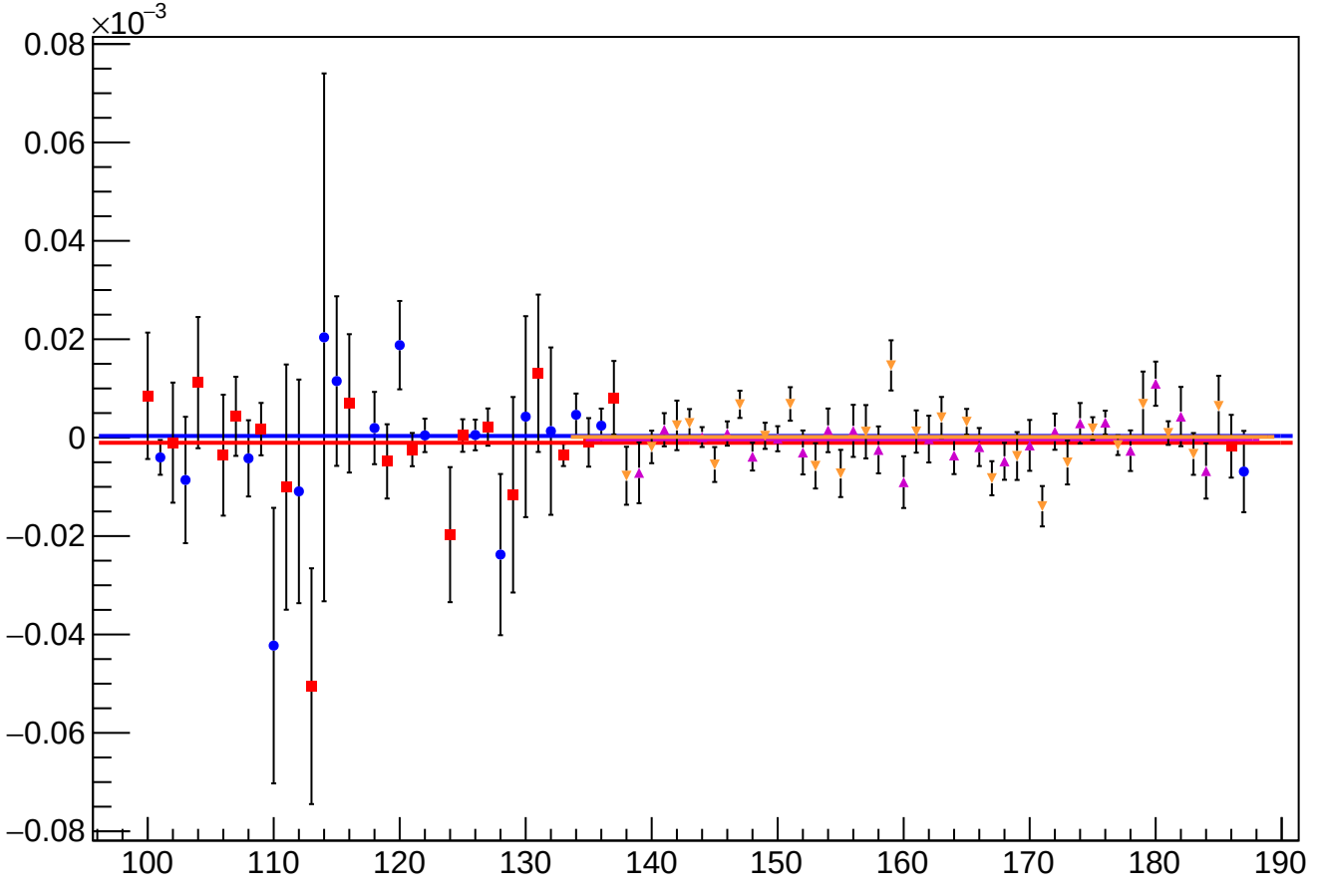
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 56.851+/-0.012 χ^2/NDF: 5264155.3/36

In: 55.097+/-0.008 χ^2/NDF:3429073.5/39

Out: 55.306+/-0.008 χ^2/NDF:4988167.2/44

All: 55.203+/-0.006 χ^2/NDF: 8417575.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/19

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

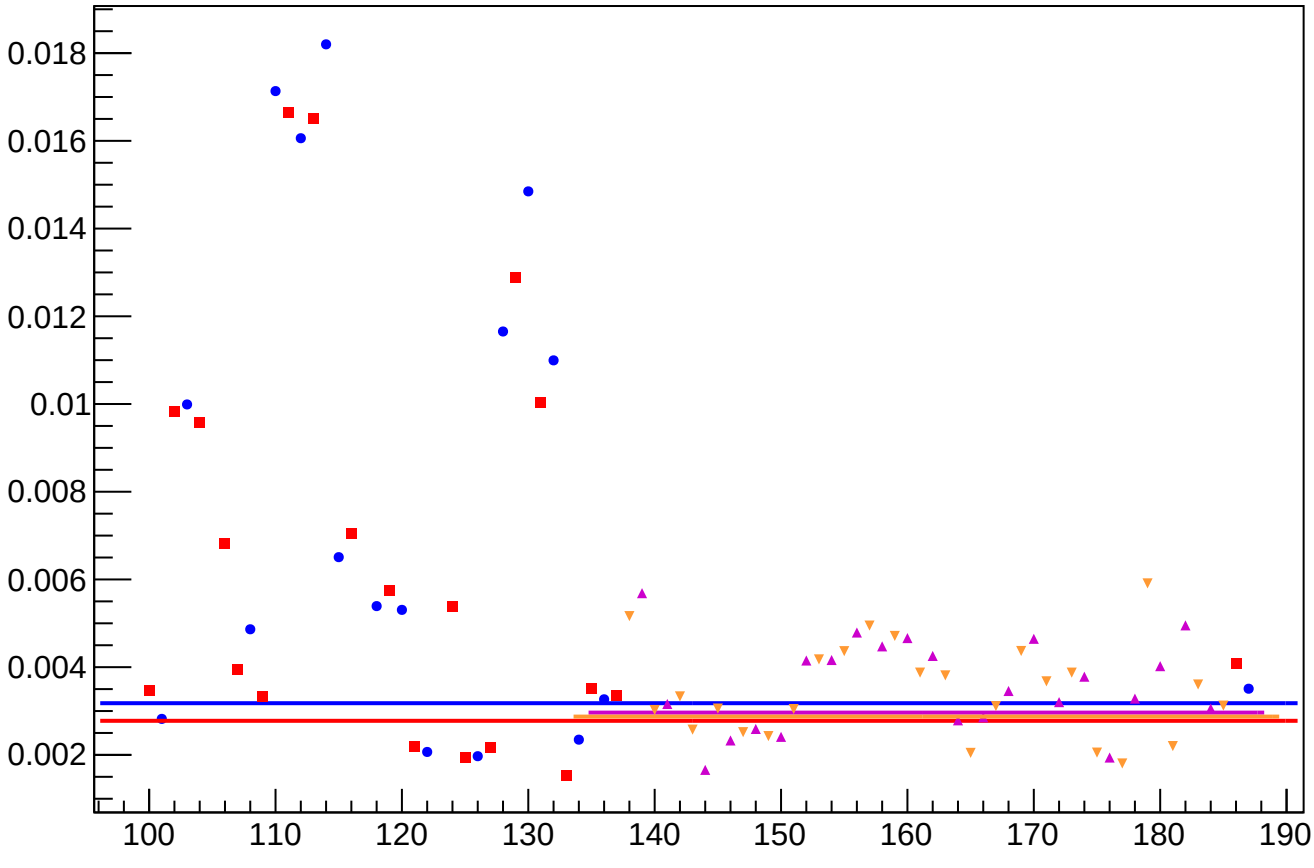
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

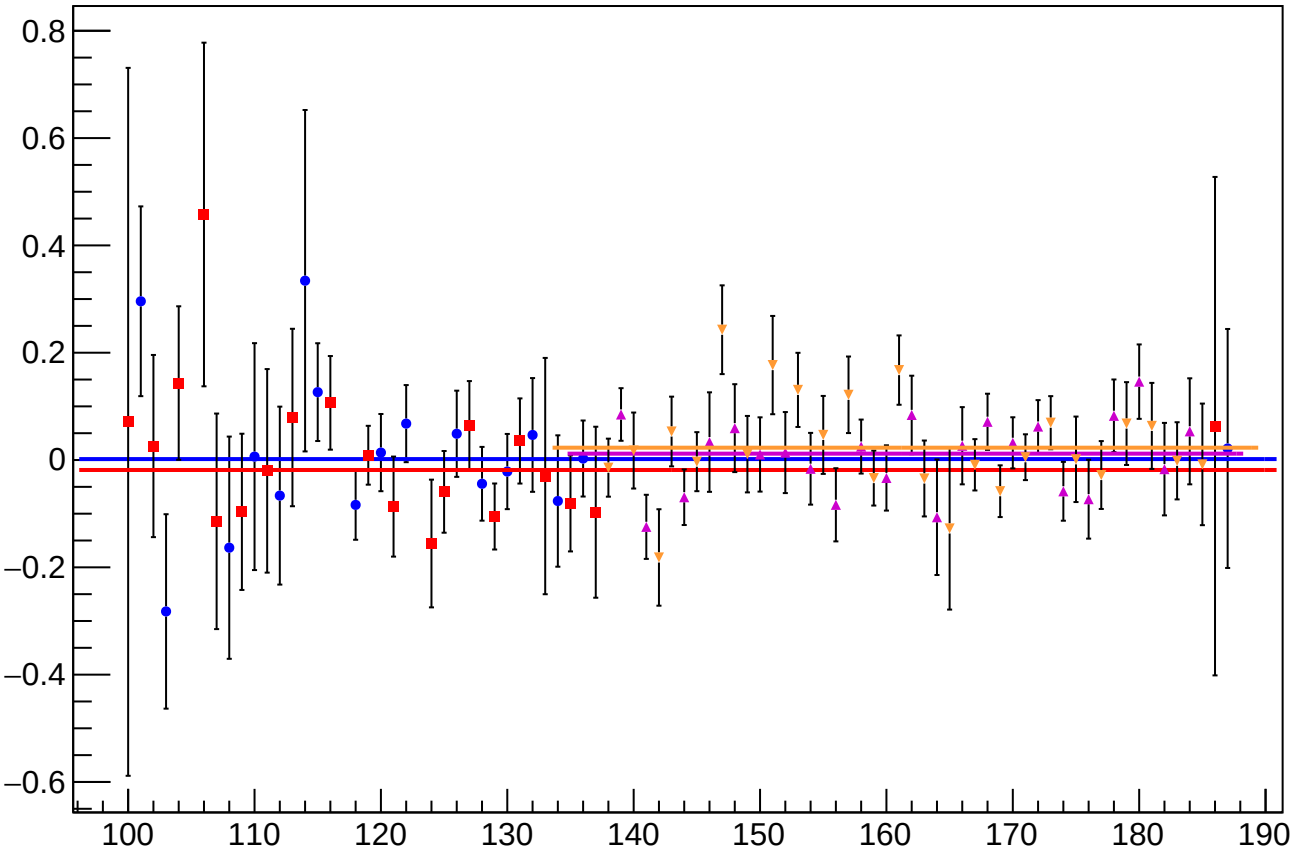
Right: -0.000+/-0.000 χ^2/NDF: 28.4/36

In: -0.000+/-0.000 χ^2/NDF:34.9/39

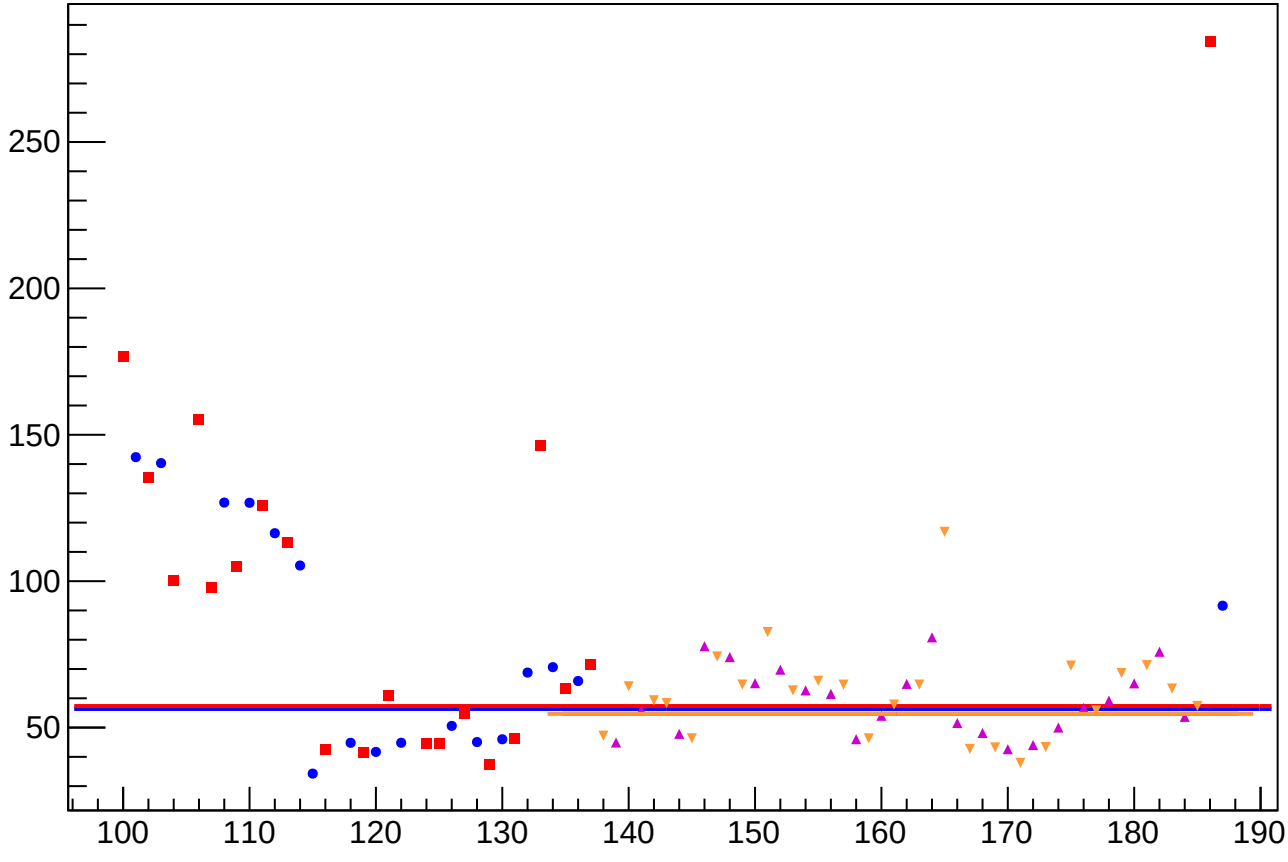
Out: -0.000+/-0.000 χ^2/NDF:68.2/44

All: -0.000+/-0.000 χ^2/NDF: 103.2/84


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 4548902.5/16
Left Out: 0.003+/-0.000 χ²/NDF:3602368.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 5241122.3/19
Left In: 0.003+/-0.000 χ²/NDF:3619016.3/22
Left: 0.003+/-0.000 χ²/NDF: 7237301.1/47
Right: 0.003+/-0.000 χ²/NDF: 9879768.2/36
In: 0.003+/-0.000 χ²/NDF:8203451.6/39
Out: 0.003+/-0.000 χ²/NDF:8852516.0/44
All: 0.003+/-0.000 χ²/NDF: 17119428.1/84


asym_sam_26_avg_eigen_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
170
180
190
Right In: 0.002+/-0.023 χ²/NDF: 13.1/16
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.019+/-0.023 χ²/NDF: 13.1/19
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: -0.008+/-0.017 χ²/NDF: 26.6/36
In: 0.009+/-0.012 χ²/NDF:39.1/39
Out: 0.013+/-0.011 χ²/NDF:49.7/44
All: 0.011+/-0.008 χ²/NDF: 88.9/84

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.358+/-0.016 χ^2/NDF: 2230455.6/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 57.351+/-0.017 χ^2/NDF: 3031776.1/19

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

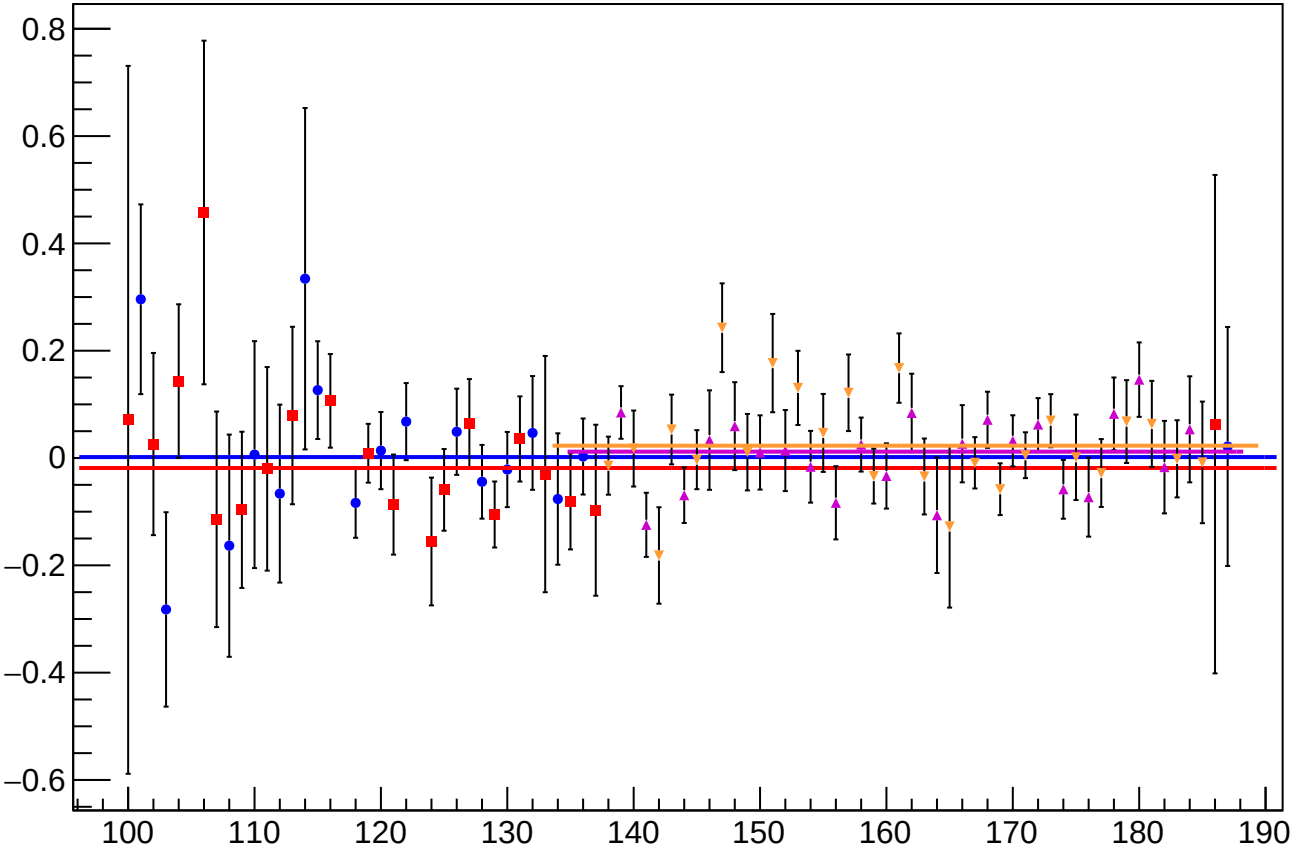
Right: 56.850+/-0.012 χ^2/NDF: 5264036.7/36

In: 55.097+/-0.008 χ^2/NDF:3428969.1/39

Out: 55.306+/-0.008 χ^2/NDF:4988094.9/44

All: 55.204+/-0.006 χ^2/NDF: 8417398.4/84

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

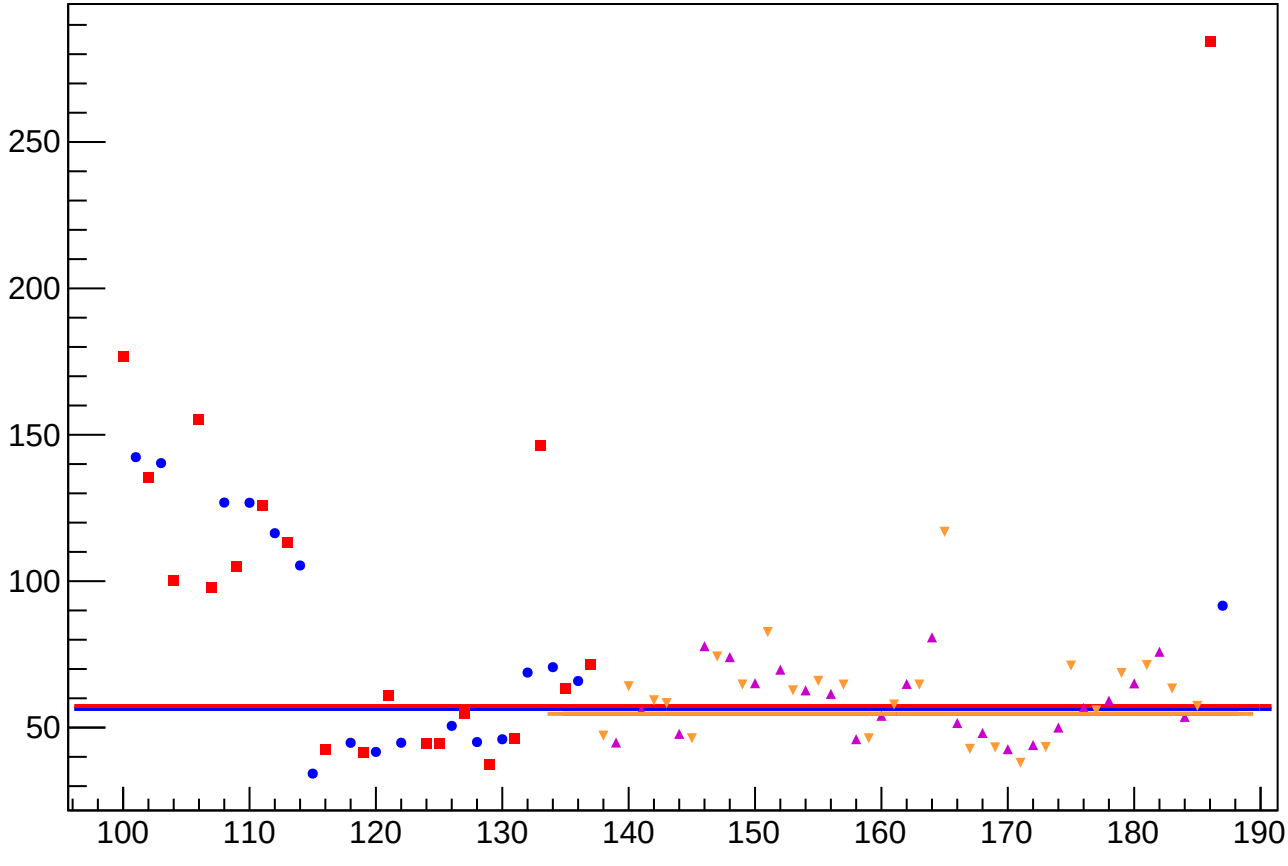
Right: -0.008+/-0.017 χ^2/NDF: 26.6/36

In: 0.009+/-0.012 χ^2/NDF:39.1/39

Out: 0.013+/-0.011 χ^2/NDF:49.7/44

All: 0.011+/-0.008 χ^2/NDF: 88.9/84

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.358+/-0.016 χ^2/NDF: 2230455.6/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 57.351+/-0.017 χ^2/NDF: 3031776.1/19

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

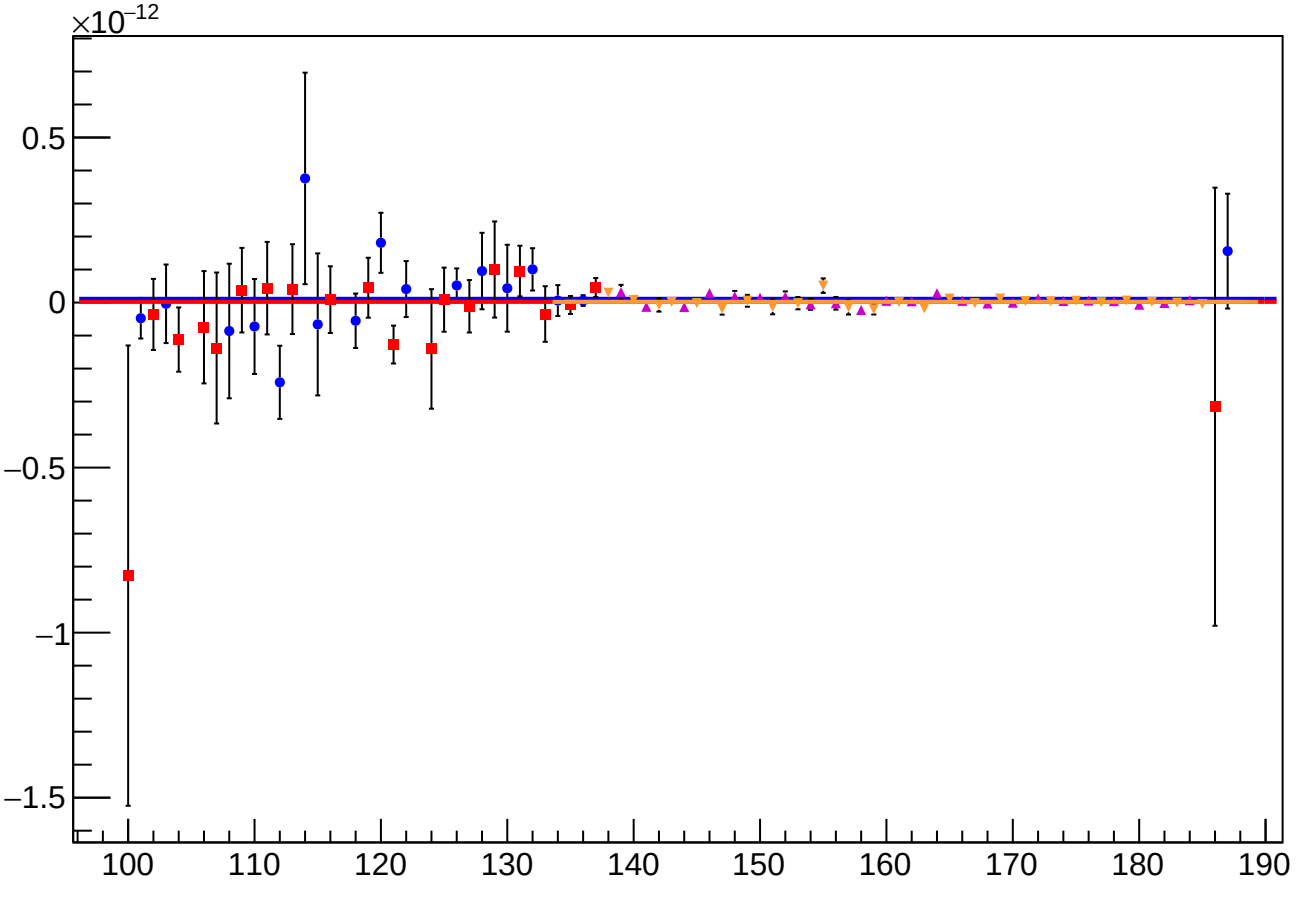
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 56.850+/-0.012 χ^2/NDF: 5264036.7/36

In: 55.097+/-0.008 χ^2/NDF:3428969.1/39

Out: 55.306+/-0.008 χ^2/NDF:4988094.9/44

All: 55.204+/-0.006 χ^2/NDF: 8417398.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/19

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

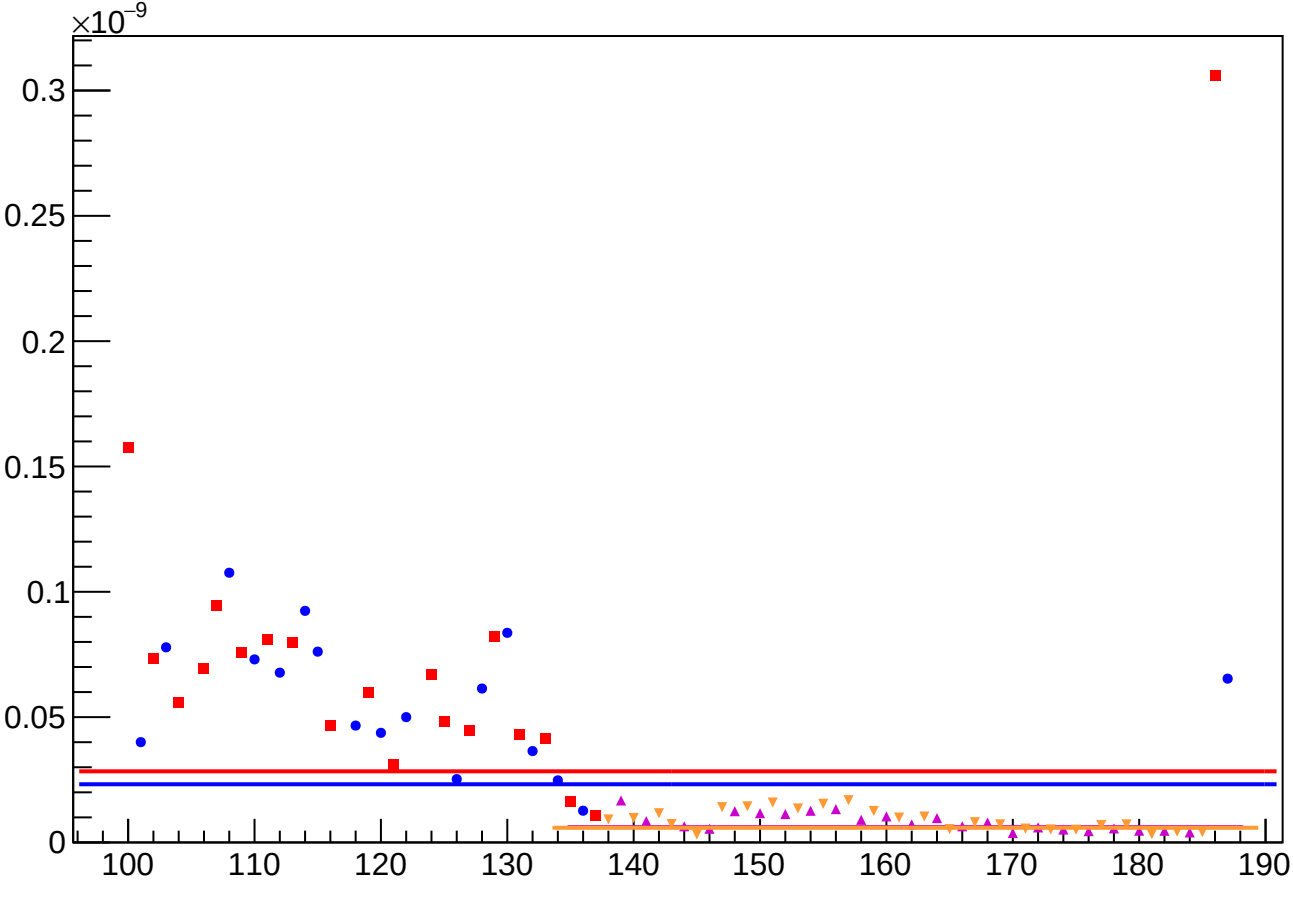
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 31.1/36

In: 0.000+/-0.000 χ^2/NDF:49.9/39

Out: 0.000+/-0.000 χ^2/NDF:35.2/44

All: 0.000+/-0.000 χ^2/NDF: 85.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 3850024.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4171035.4/19

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

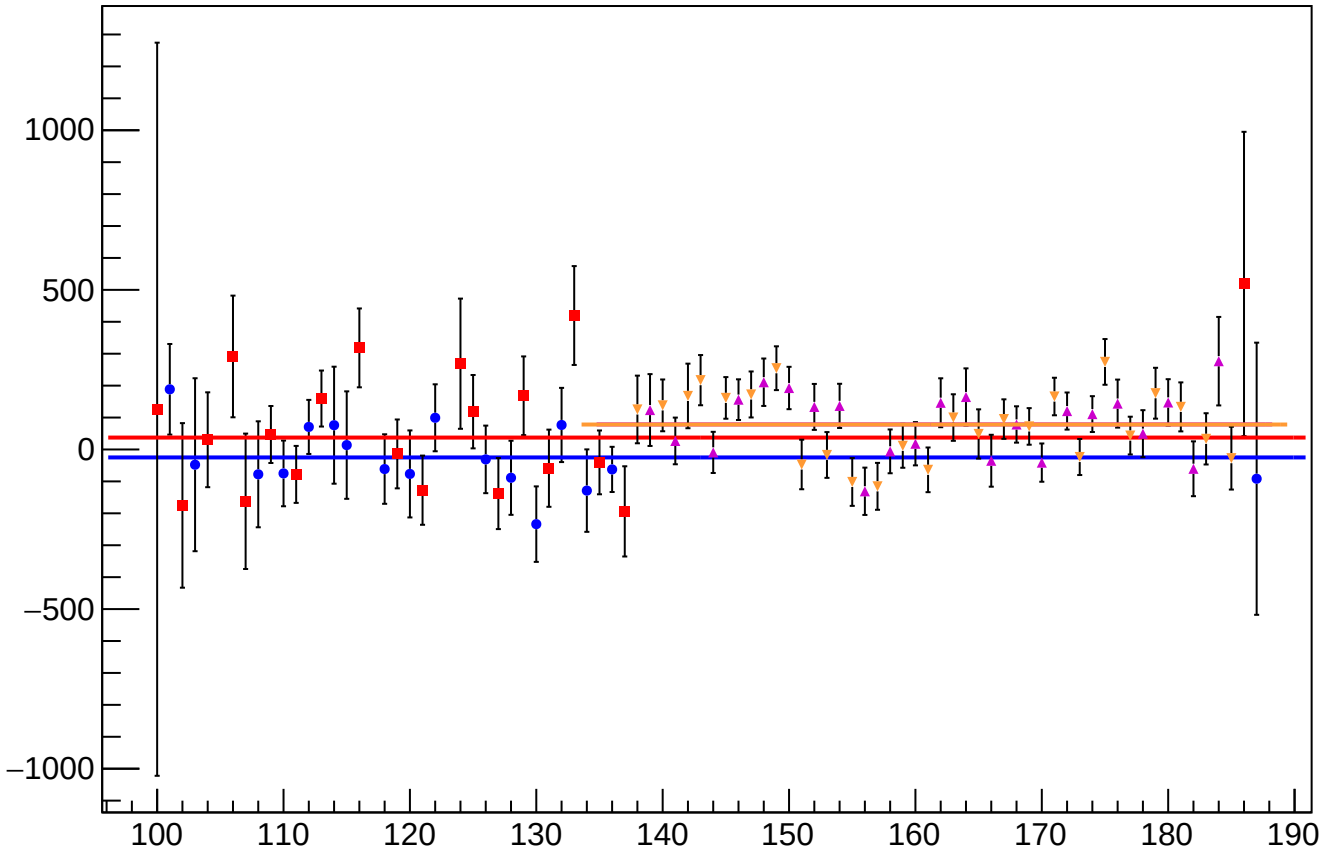
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8152092.4/36

In: 0.000+/-0.000 χ^2/NDF:10579052.5/39

Out: 0.000+/-0.000 χ^2/NDF:13873102.6/44

All: 0.000+/-0.000 χ^2/NDF: 24480099.5/84



Right In: -24.939+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 37.297+/-28.404 χ^2/NDF: 31.1/19

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

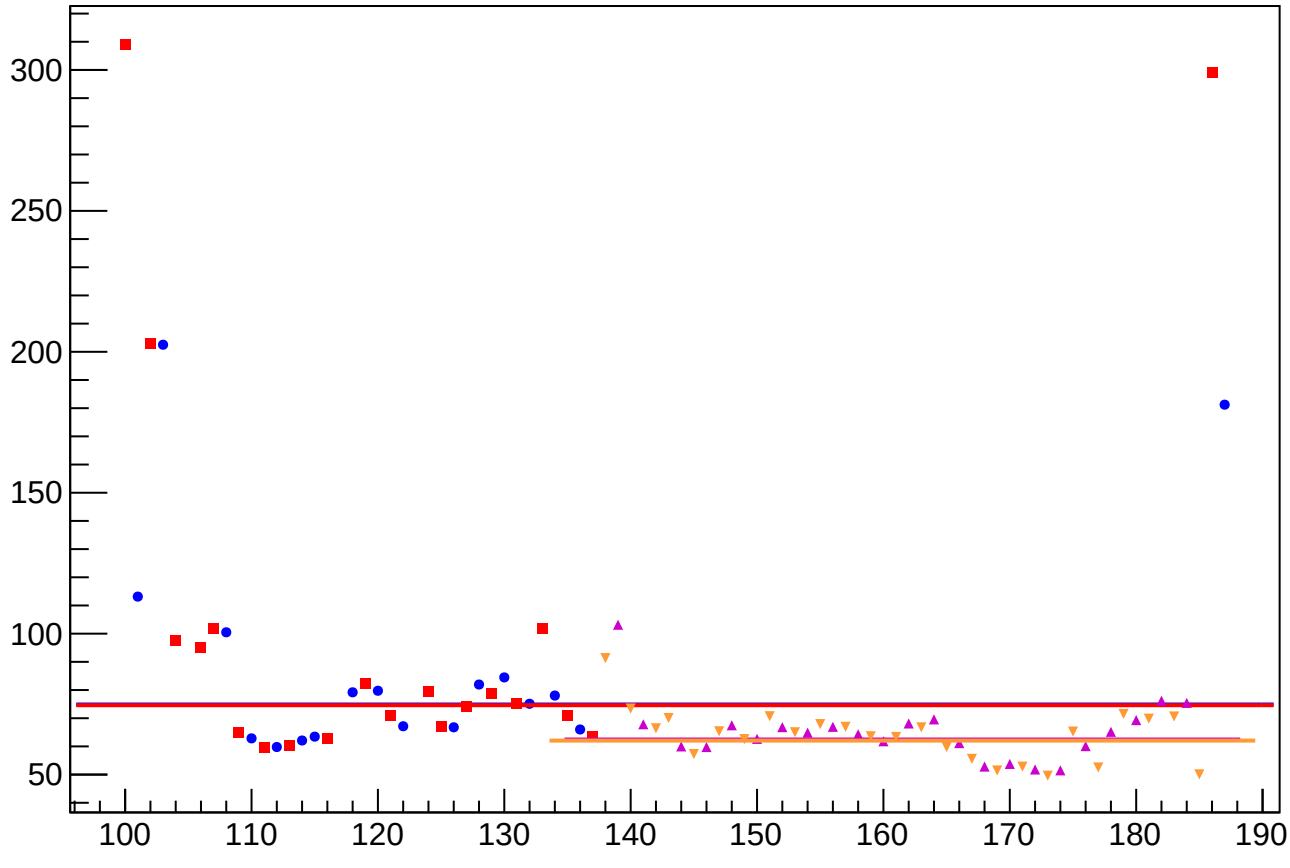
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: 6.660+/-20.239 χ^2/NDF: 44.5/36

In: 56.924+/-13.176 χ^2/NDF:57.9/39

Out: 69.872+/-12.791 χ^2/NDF:86.7/44

All: 63.590+/-9.178 χ^2/NDF: 145.0/84



Right In: 74.858+/-0.020 χ^2/NDF: 952720.5/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 74.616+/-0.020 χ^2/NDF: 1377856.1/19

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

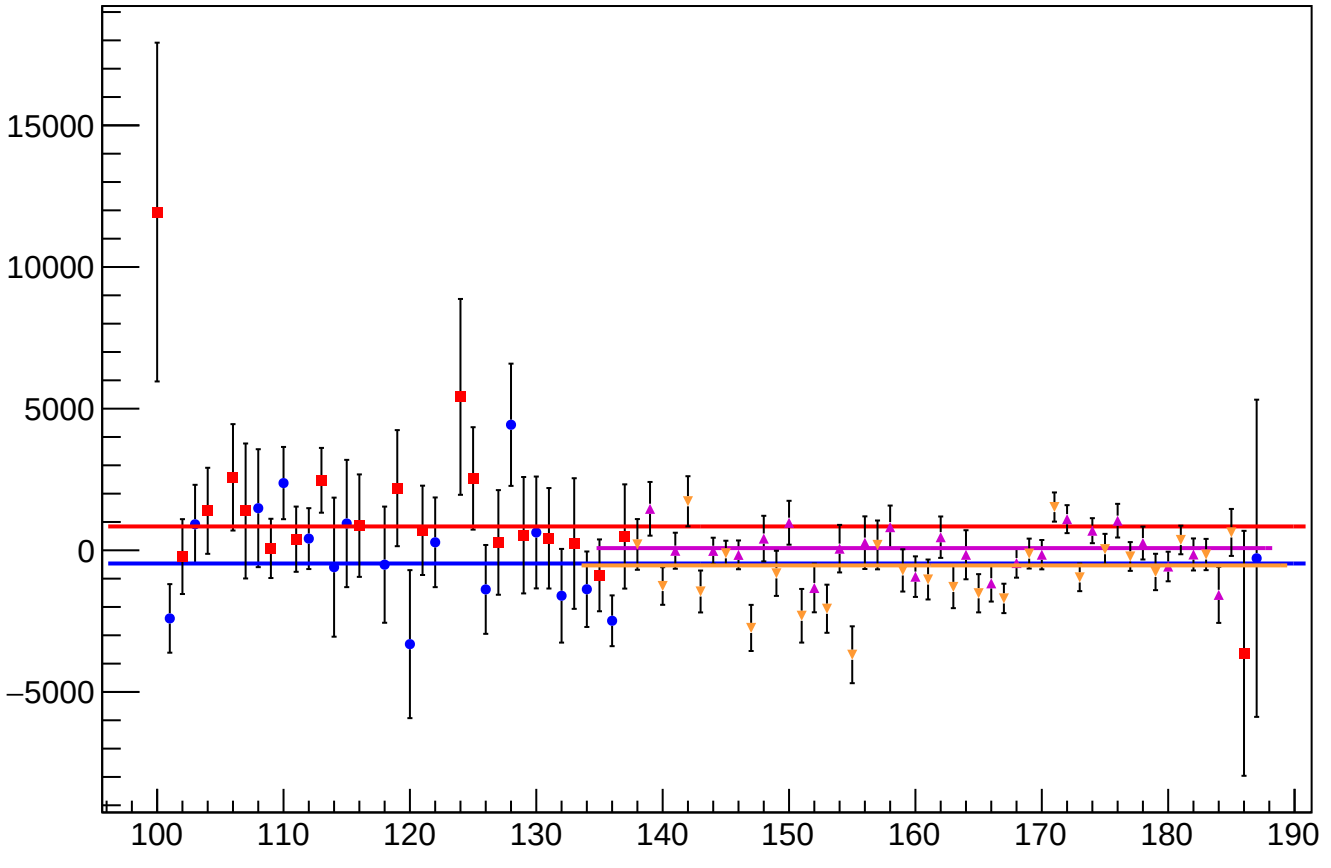
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 74.735+/-0.014 χ^2/NDF: 2330648.4/36

In: 65.035+/-0.009 χ^2/NDF:1910451.7/39

Out: 64.608+/-0.009 χ^2/NDF:2375809.0/44

All: 64.815+/-0.006 χ^2/NDF: 4287340.7/84



Right In: -465.697+/-374.192 χ^2/NDF: 23.7/16

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 842.147+/-370.867 χ^2/NDF: 14.1/19

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

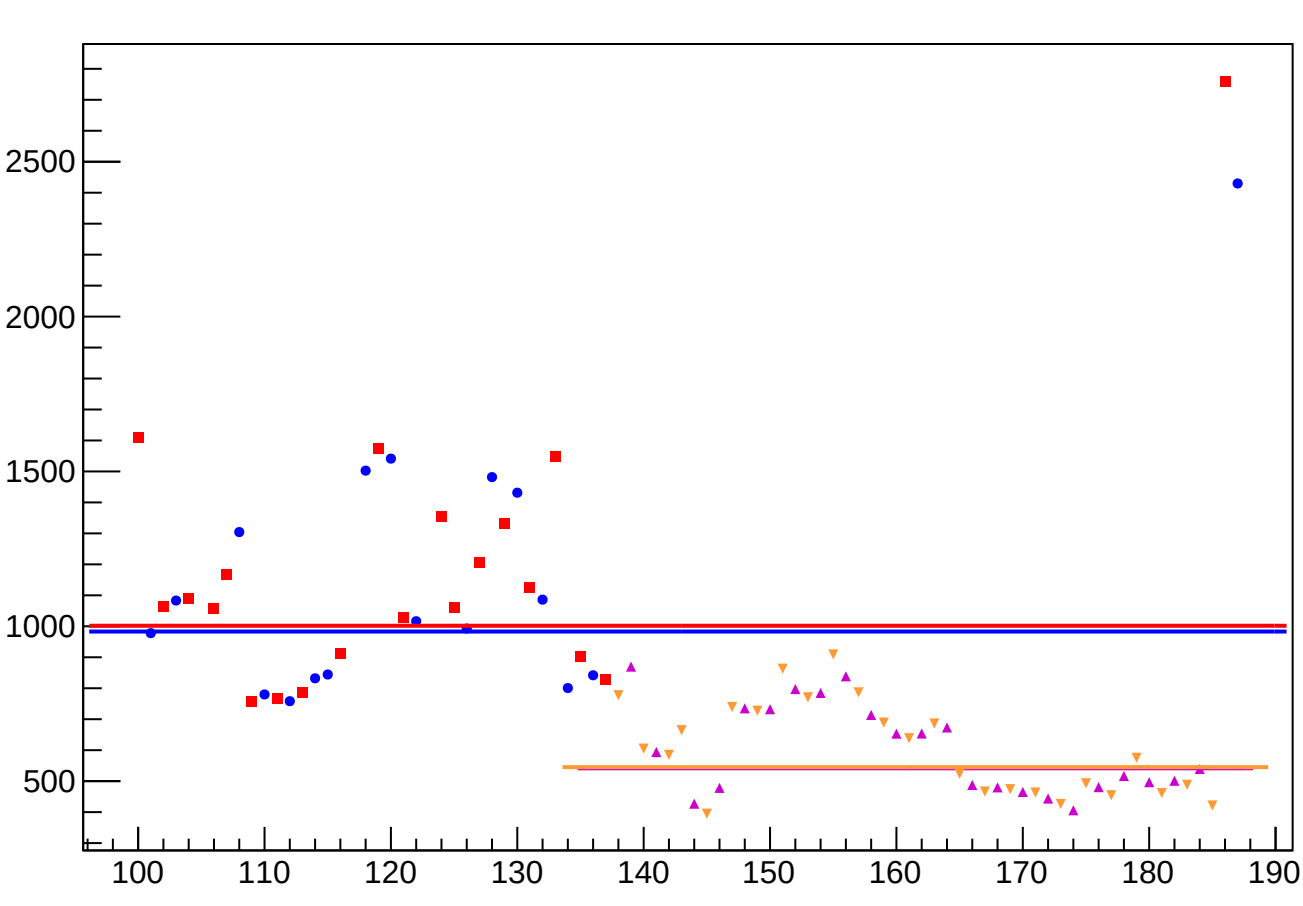
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 194.062+/-263.410 χ^2/NDF: 44.0/36

In: 18.648+/-123.068 χ^2/NDF:53.9/39

Out: -386.581+/-120.934 χ^2/NDF:95.5/44

All: -187.509+/-86.258 χ^2/NDF: 155.0/84



Right In: 983.076+/-0.265 χ^2/NDF: 870781.2/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1001.789+/-0.262 χ^2/NDF: 1048468.7/19

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

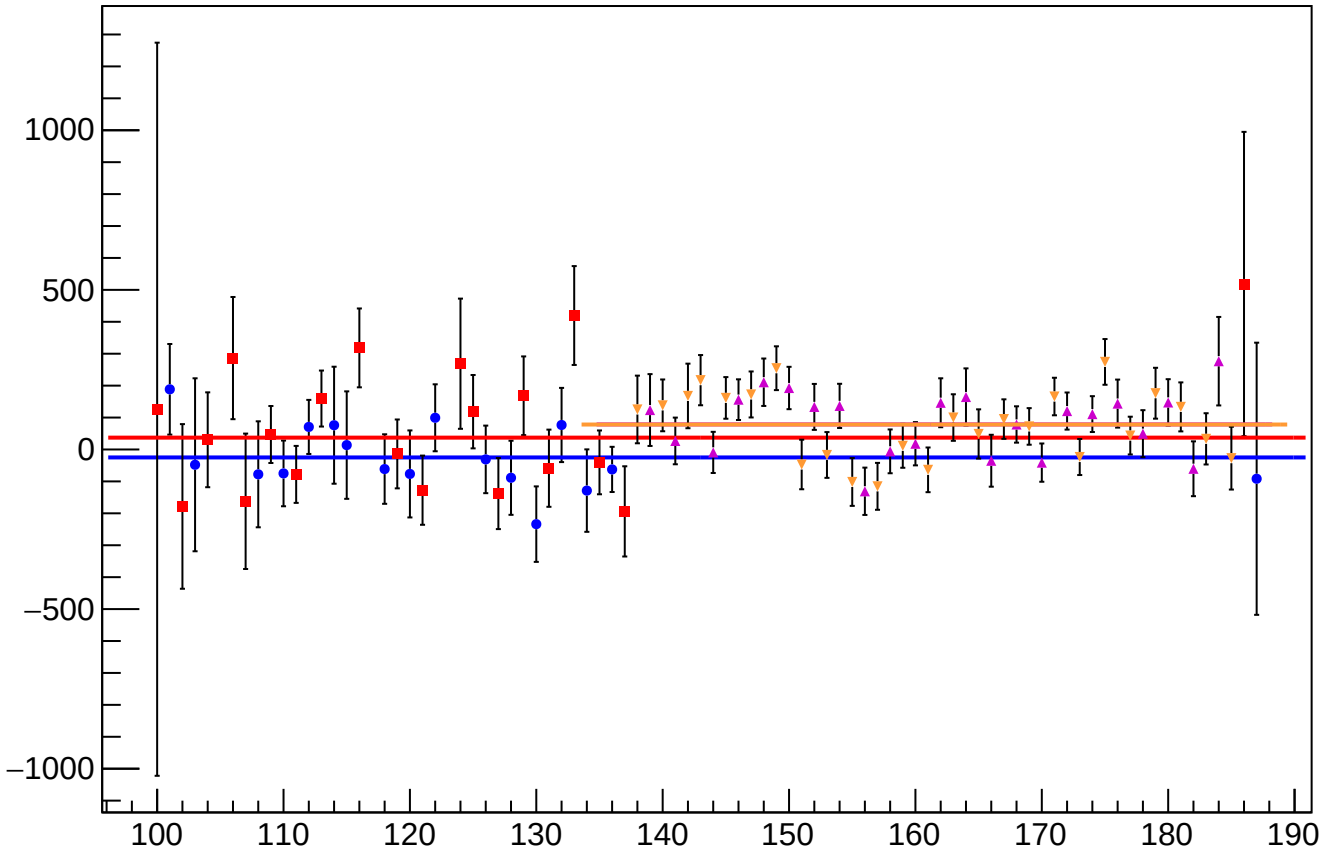
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 992.516+/-0.186 χ^2/NDF: 1921773.2/36

In: 589.227+/-0.087 χ^2/NDF:5195504.3/39

Out: 593.843+/-0.086 χ^2/NDF:5839999.8/44

All: 591.575+/-0.061 χ^2/NDF: 11036935.7/84



Right In: -24.947+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 37.099+/-28.407 χ^2/NDF: 31.0/19

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

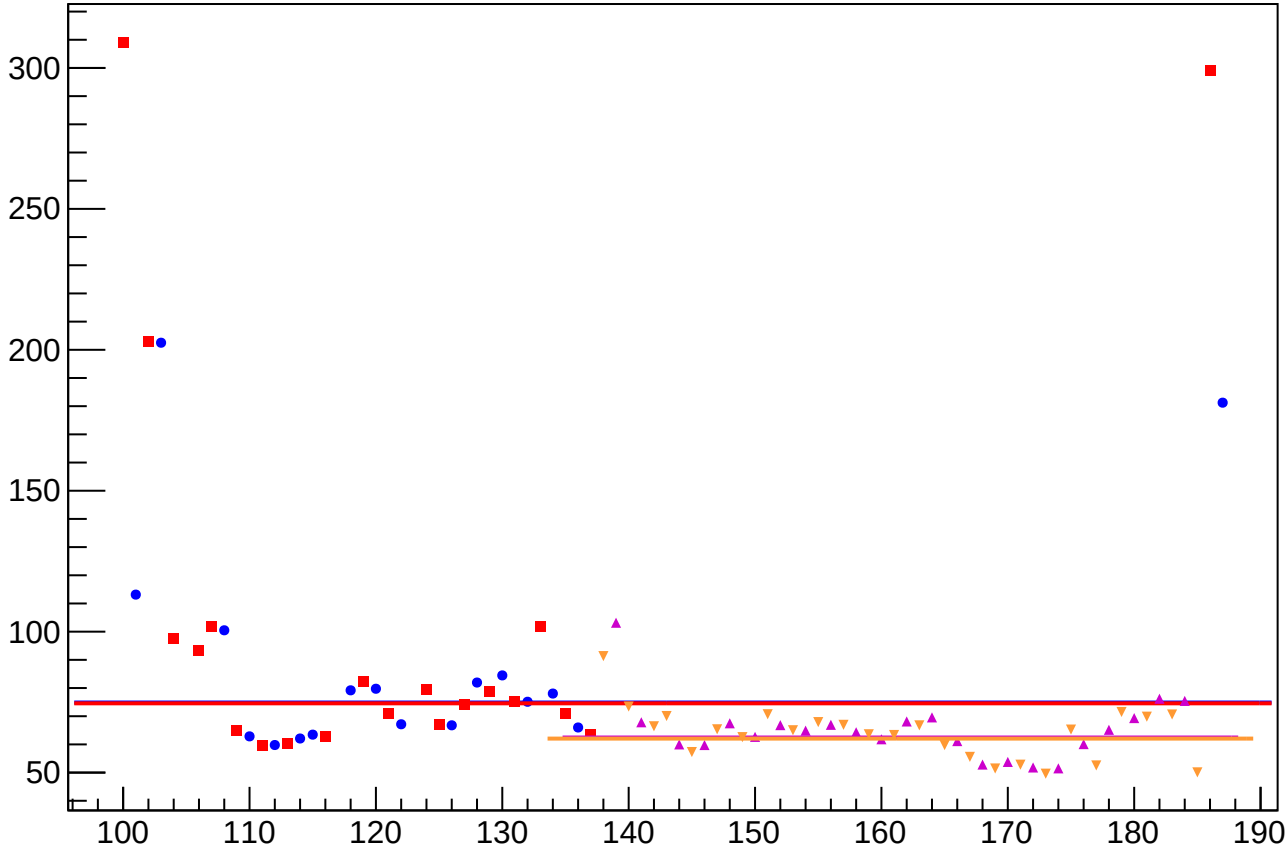
Right: 6.552+/-20.240 χ^2/NDF: 44.4/36

In: 56.922+/-13.176 χ^2/NDF:57.9/39

Out: 69.836+/-12.791 χ^2/NDF:86.6/44

All: 63.571+/-9.178 χ^2/NDF: 145.0/84

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.858+/-0.020 χ^2/NDF: 952722.6/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 74.574+/-0.020 χ^2/NDF: 1374236.2/19

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

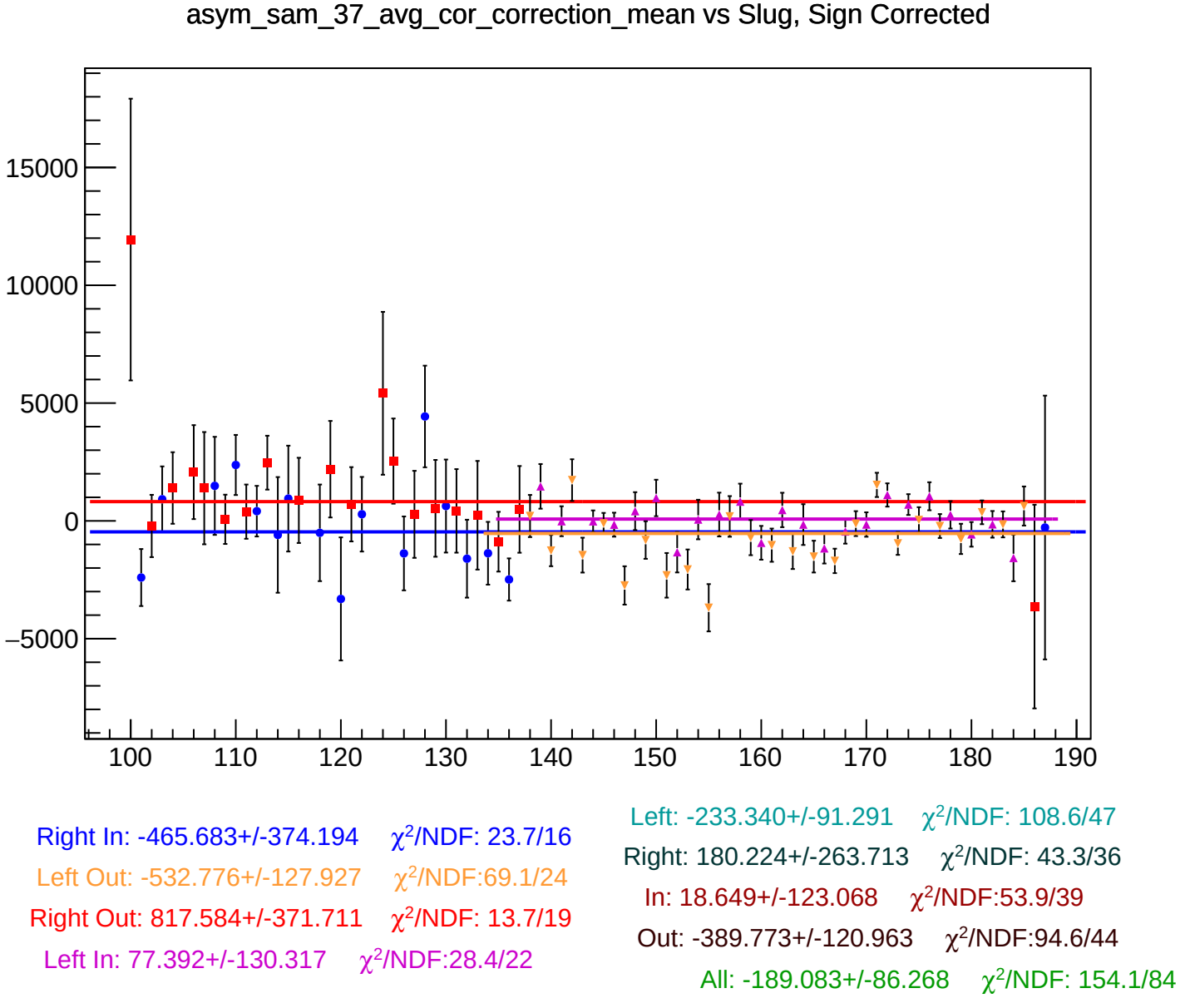
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

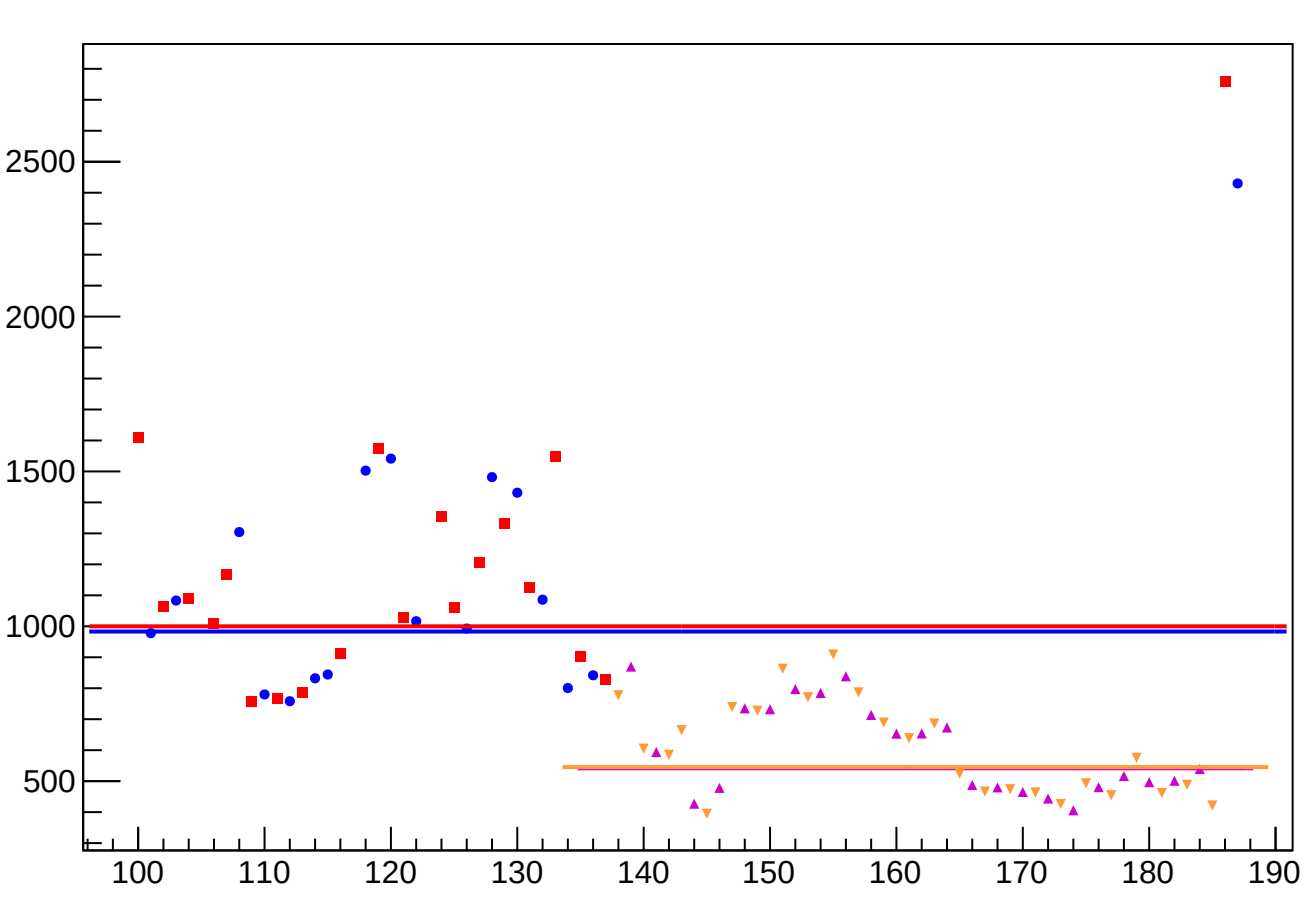
Right: 74.714+/-0.014 χ^2/NDF: 2327057.4/36

In: 65.035+/-0.009 χ^2/NDF:1910453.6/39

Out: 64.599+/-0.009 χ^2/NDF:2370081.1/44

All: 64.811+/-0.006 χ^2/NDF: 4281659.9/84


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -465.683+/-374.194 χ²/NDF: 23.7/16
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 817.584+/-371.711 χ²/NDF: 13.7/19
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 180.224+/-263.713 χ²/NDF: 43.3/36
In: 18.649+/-123.068 χ²/NDF:53.9/39
Out: -389.773+/-120.963 χ²/NDF:94.6/44
All: -189.083+/-86.268 χ²/NDF: 154.1/84



Right In: 983.082+/-0.265 χ^2/NDF: 870803.4/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 999.923+/-0.263 χ^2/NDF: 1046800.0/19

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

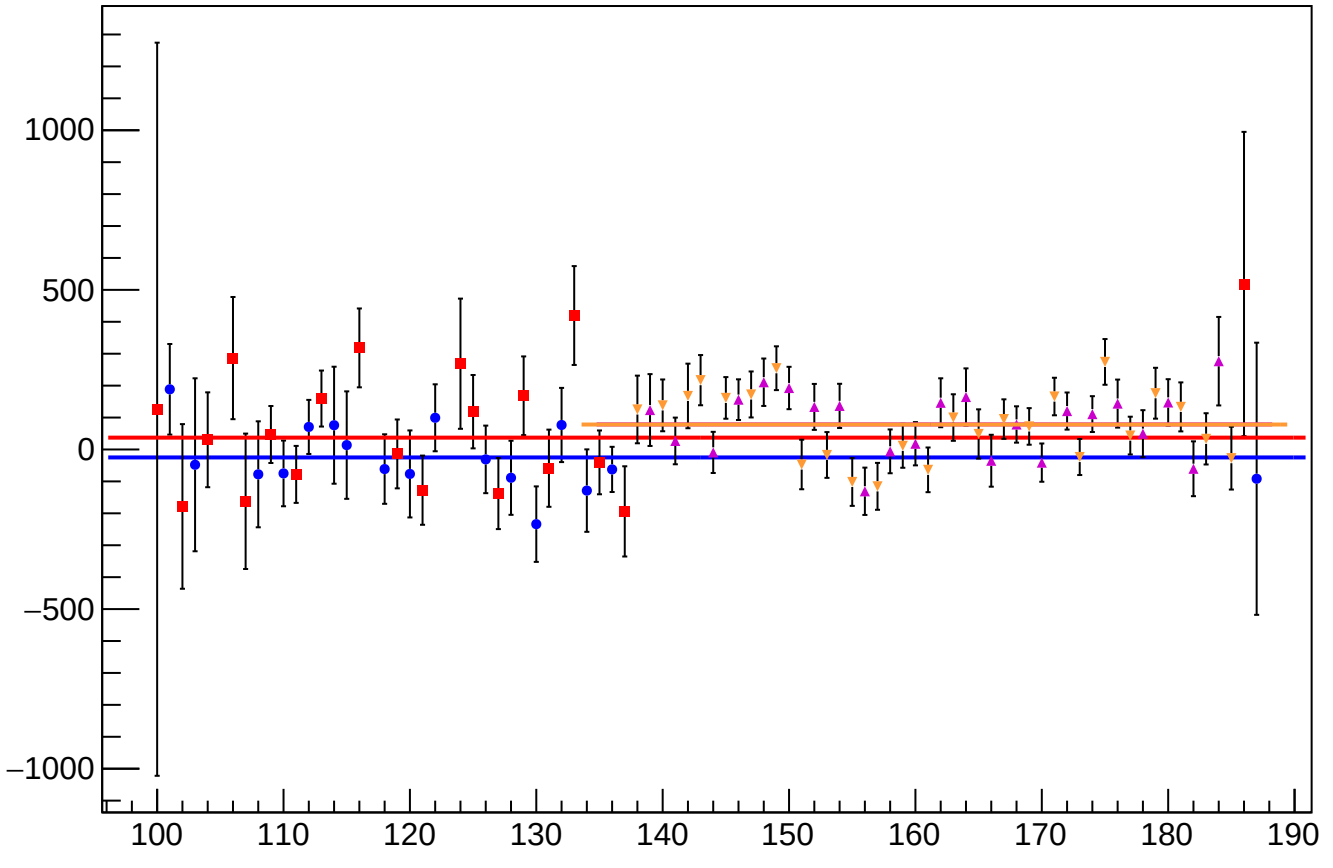
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 991.558+/-0.186 χ^2/NDF: 1919642.4/36

In: 589.227+/-0.087 χ^2/NDF:5195561.6/39

Out: 593.448+/-0.086 χ^2/NDF:5805341.8/44

All: 591.374+/-0.061 χ^2/NDF: 11002100.4/84



Right In: -24.947+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 37.099+/-28.407 χ^2/NDF: 31.0/19

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

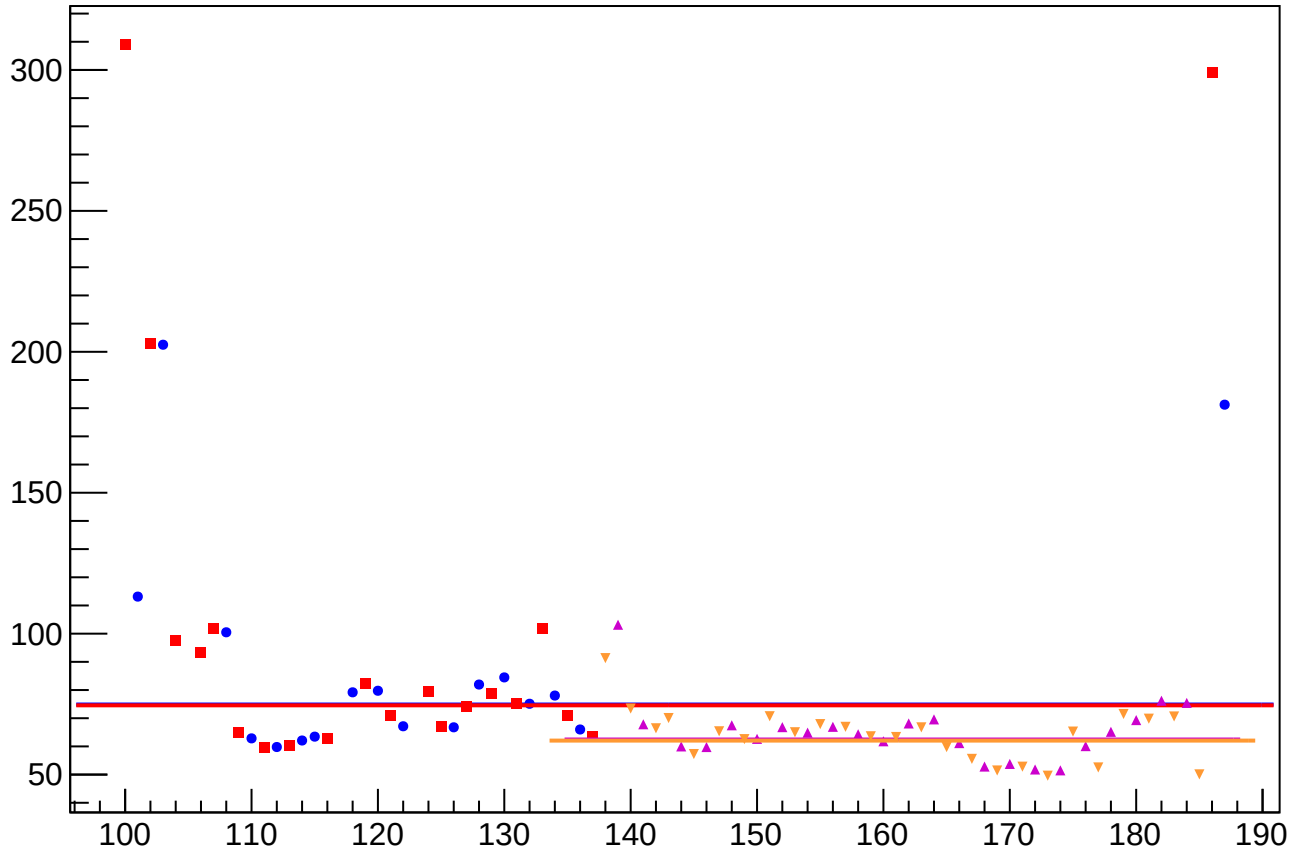
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 6.552+/-20.240 χ^2/NDF: 44.4/36

In: 56.922+/-13.176 χ^2/NDF:57.9/39

Out: 69.836+/-12.791 χ^2/NDF:86.6/44

All: 63.571+/-9.178 χ^2/NDF: 145.0/84



Right In: 74.858+/-0.020 χ^2/NDF: 952722.6/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 74.574+/-0.020 χ^2/NDF: 1374236.2/19

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

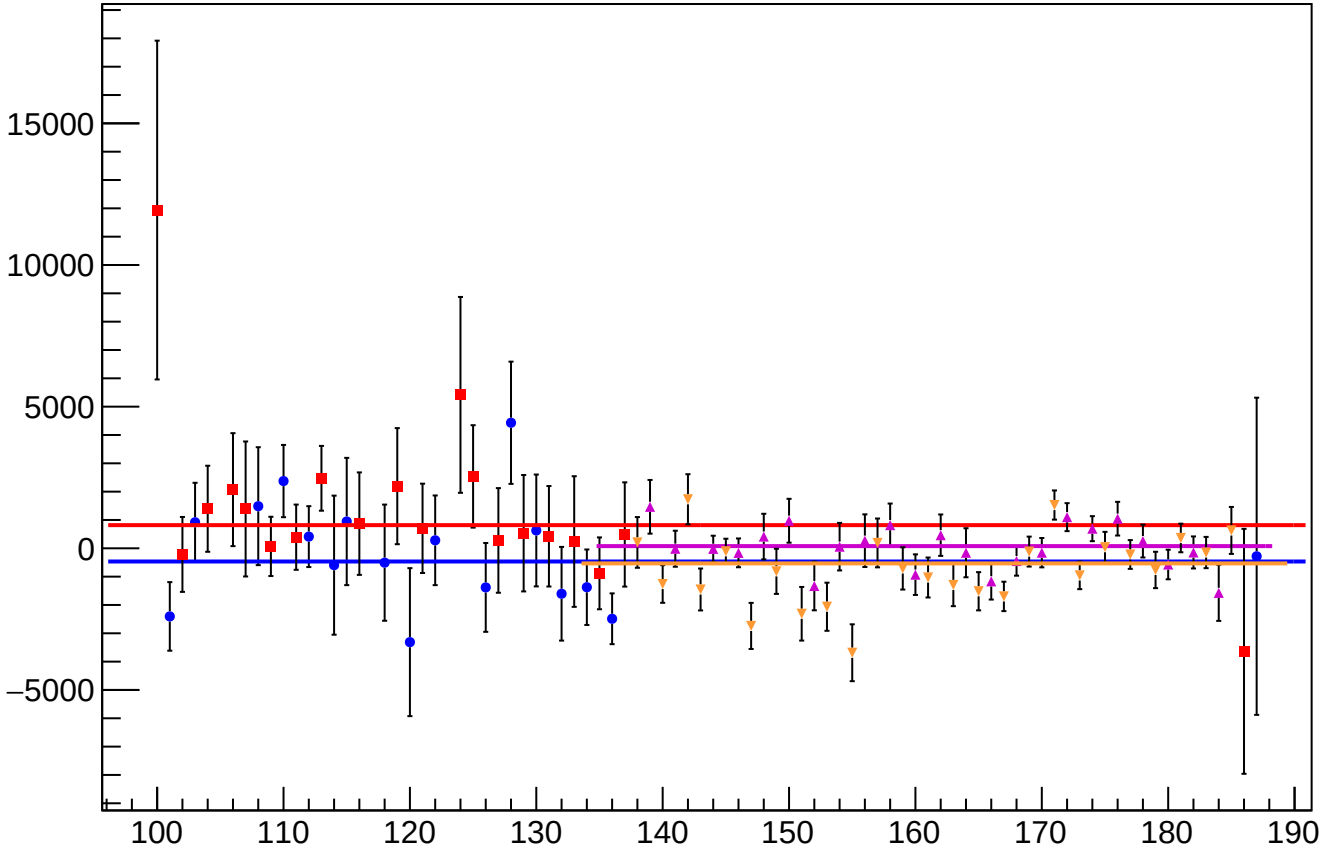
Right: 74.714+/-0.014 χ^2/NDF: 2327057.4/36

In: 65.035+/-0.009 χ^2/NDF:1910453.6/39

Out: 64.599+/-0.009 χ^2/NDF:2370081.1/44

All: 64.811+/-0.006 χ^2/NDF: 4281659.9/84

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -465.683+/-374.194 χ^2/NDF: 23.7/16

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 817.584+/-371.711 χ^2/NDF: 13.7/19

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

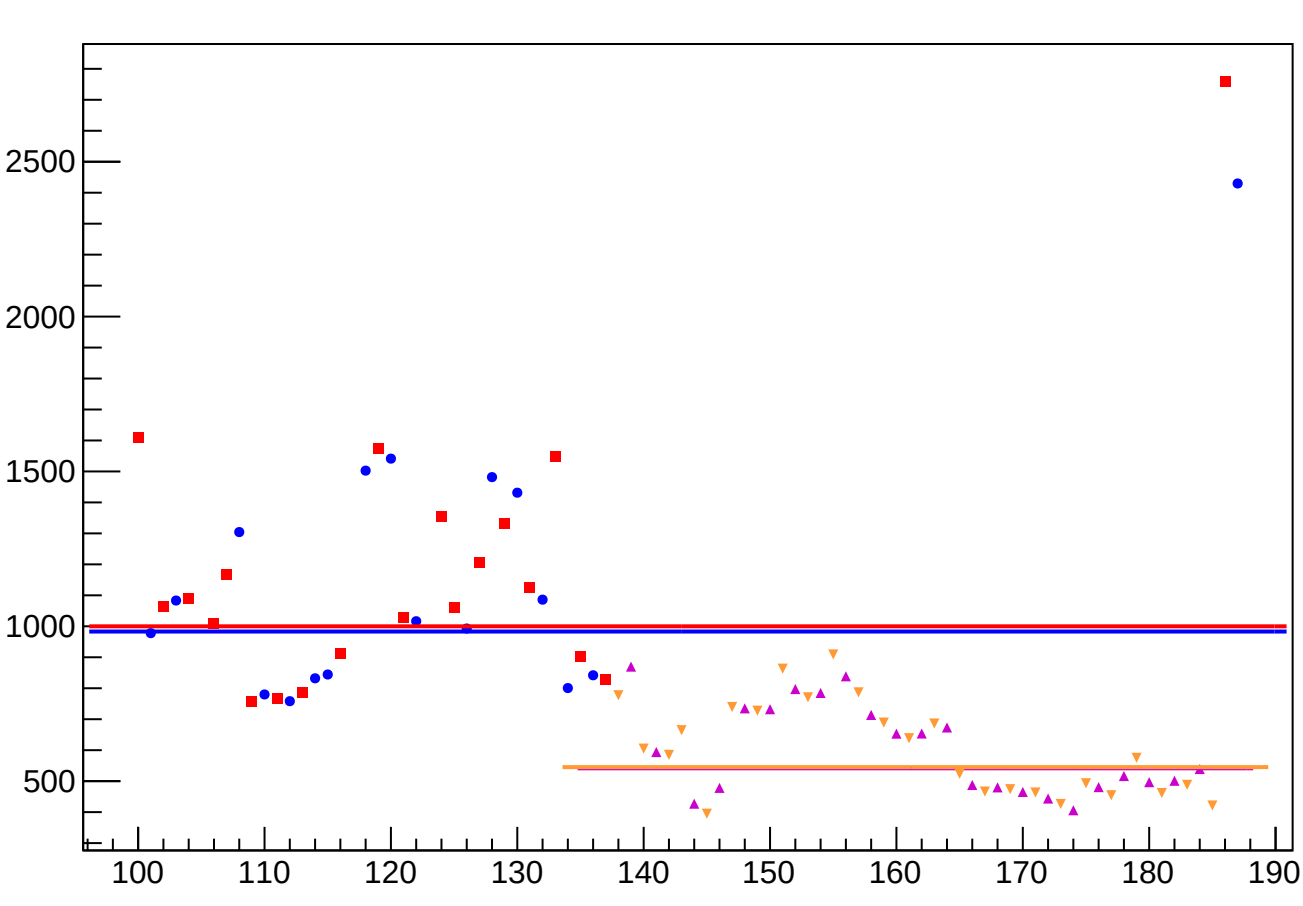
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 180.224+/-263.713 χ^2/NDF: 43.3/36

In: 18.649+/-123.068 χ^2/NDF:53.9/39

Out: -389.773+/-120.963 χ^2/NDF:94.6/44

All: -189.083+/-86.268 χ^2/NDF: 154.1/84



Right In: 983.082+/-0.265 χ^2/NDF: 870803.4/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 999.923+/-0.263 χ^2/NDF: 1046800.0/19

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

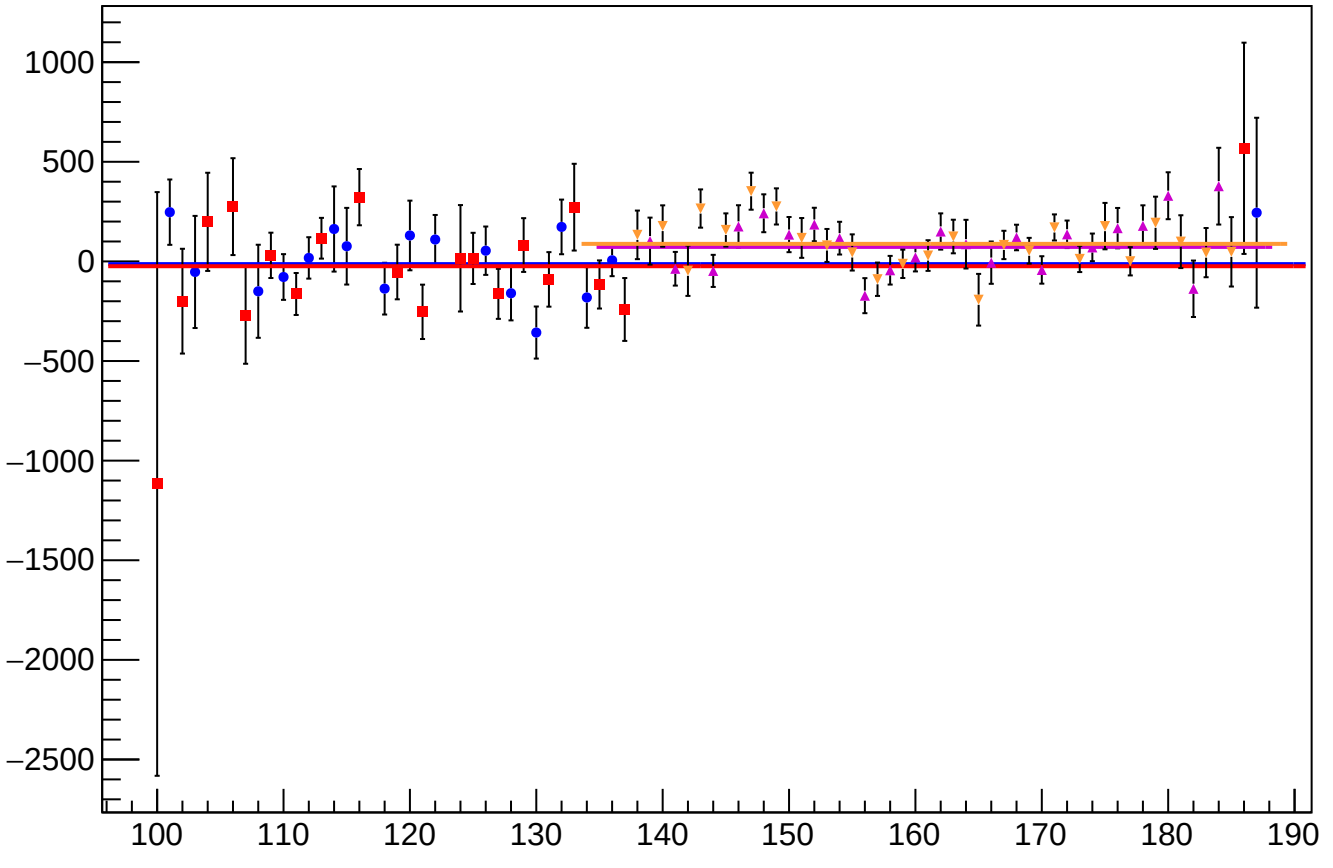
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 991.558+/-0.186 χ^2/NDF: 1919642.4/36

In: 589.227+/-0.087 χ^2/NDF:5195561.6/39

Out: 593.448+/-0.086 χ^2/NDF:5805341.8/44

All: 591.374+/-0.061 χ^2/NDF: 11002100.4/84



Right In: -13.659+/-33.676 χ^2/NDF: 18.5/16

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -24.209+/-34.003 χ^2/NDF: 24.9/19

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

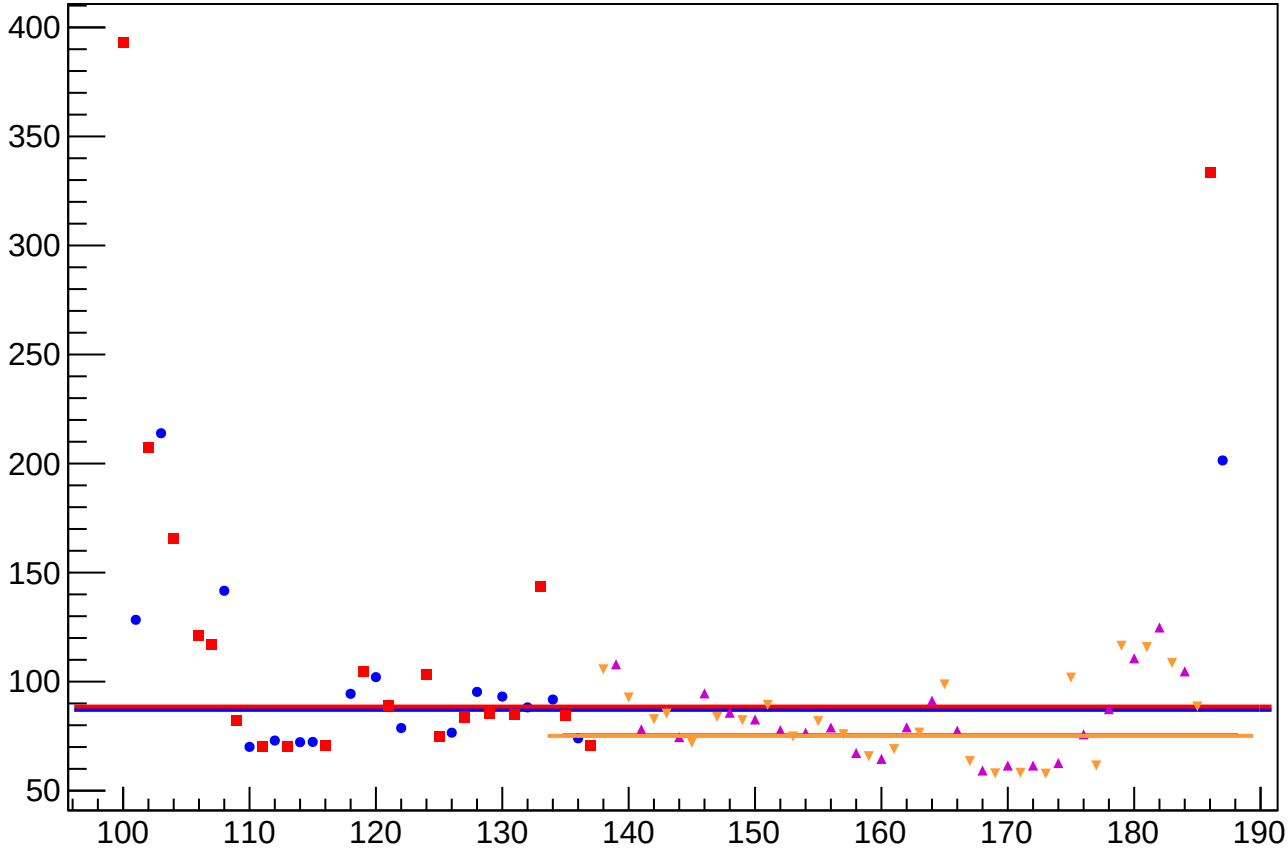
Right: -18.883+/-23.927 χ^2/NDF: 43.5/36

In: 53.168+/-16.063 χ^2/NDF:62.1/39

Out: 64.014+/-15.731 χ^2/NDF:70.3/44

All: 58.704+/-11.239 χ^2/NDF: 132.7/84

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 87.063+/-0.024 χ^2/NDF: 971970.3/16

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 88.566+/-0.024 χ^2/NDF: 1557869.8/19

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

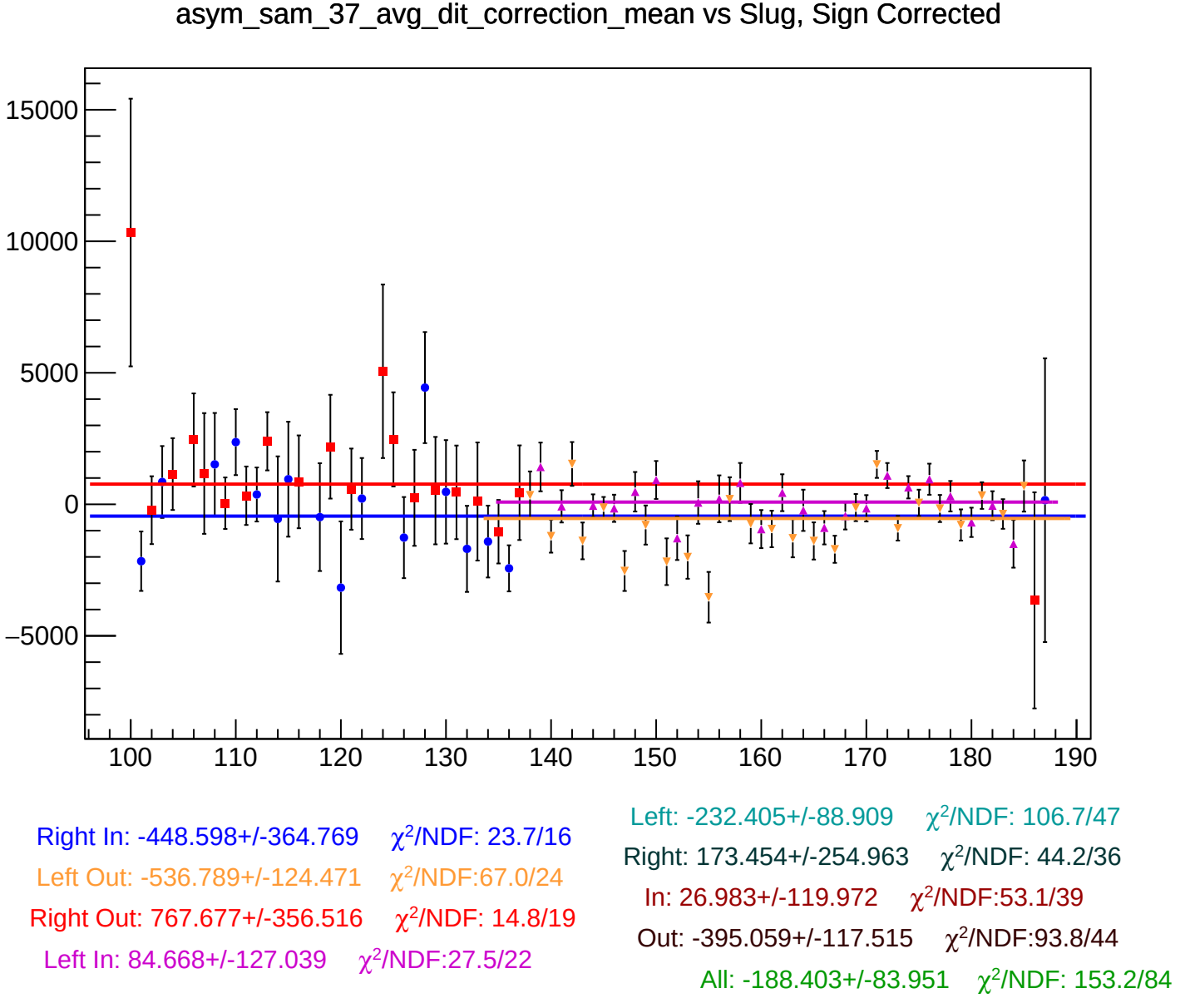
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

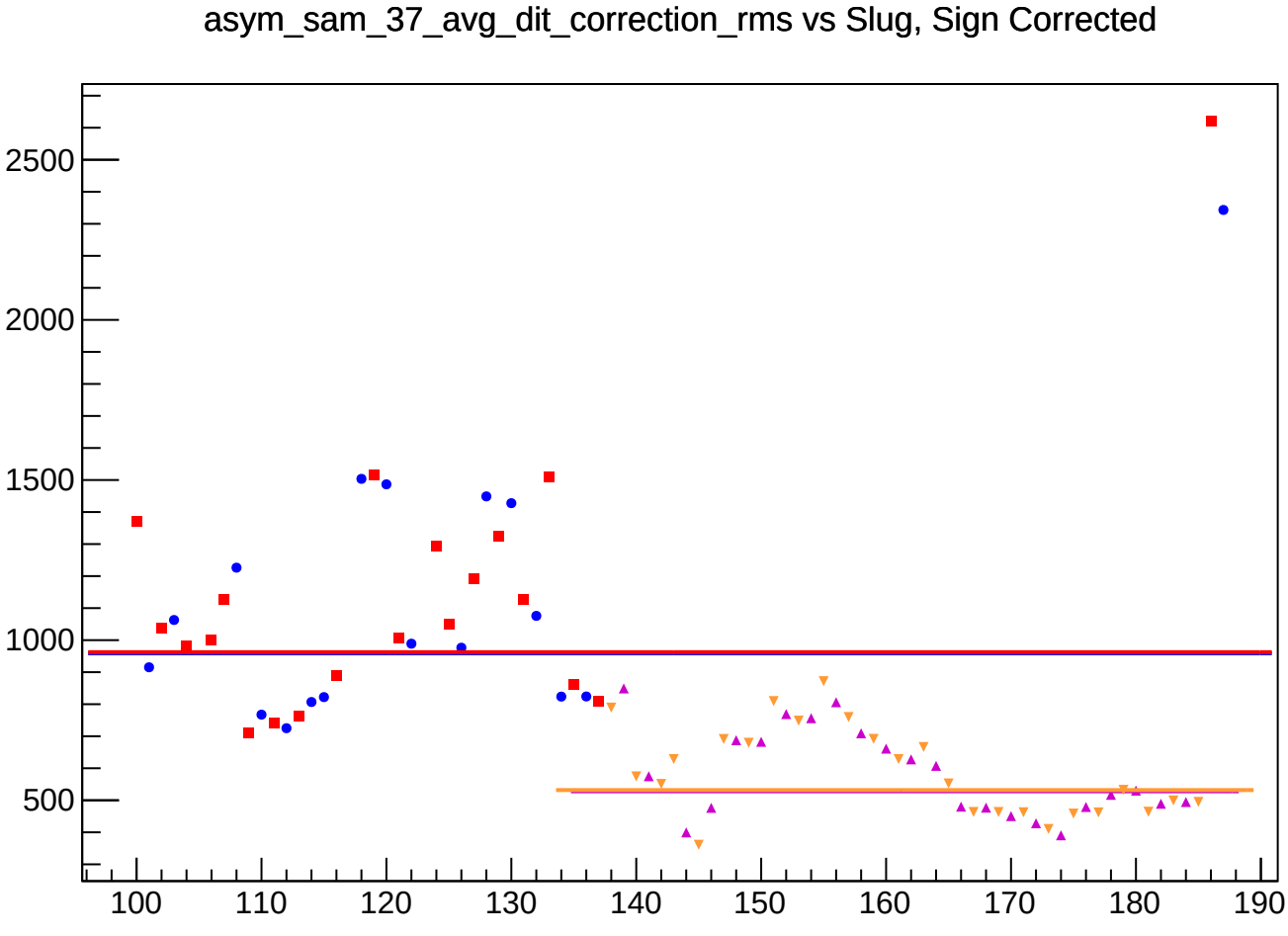
Right: 87.807+/-0.017 χ^2/NDF: 2531812.5/36

In: 78.025+/-0.011 χ^2/NDF:2383765.0/39

Out: 78.004+/-0.011 χ^2/NDF:3404829.1/44

All: 78.014+/-0.008 χ^2/NDF: 5788595.8/84


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -448.598+/-364.769 χ²/NDF: 23.7/16
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 767.677+/-356.516 χ²/NDF: 14.8/19
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 173.454+/-254.963 χ²/NDF: 44.2/36
In: 26.983+/-119.972 χ²/NDF:53.1/39
Out: -395.059+/-117.515 χ²/NDF:93.8/44
All: -188.403+/-83.951 χ²/NDF: 153.2/84



Right In: 958.908+/-0.258 χ^2/NDF: 878630.6/16

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 962.471+/-0.252 χ^2/NDF: 1079865.3/19

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

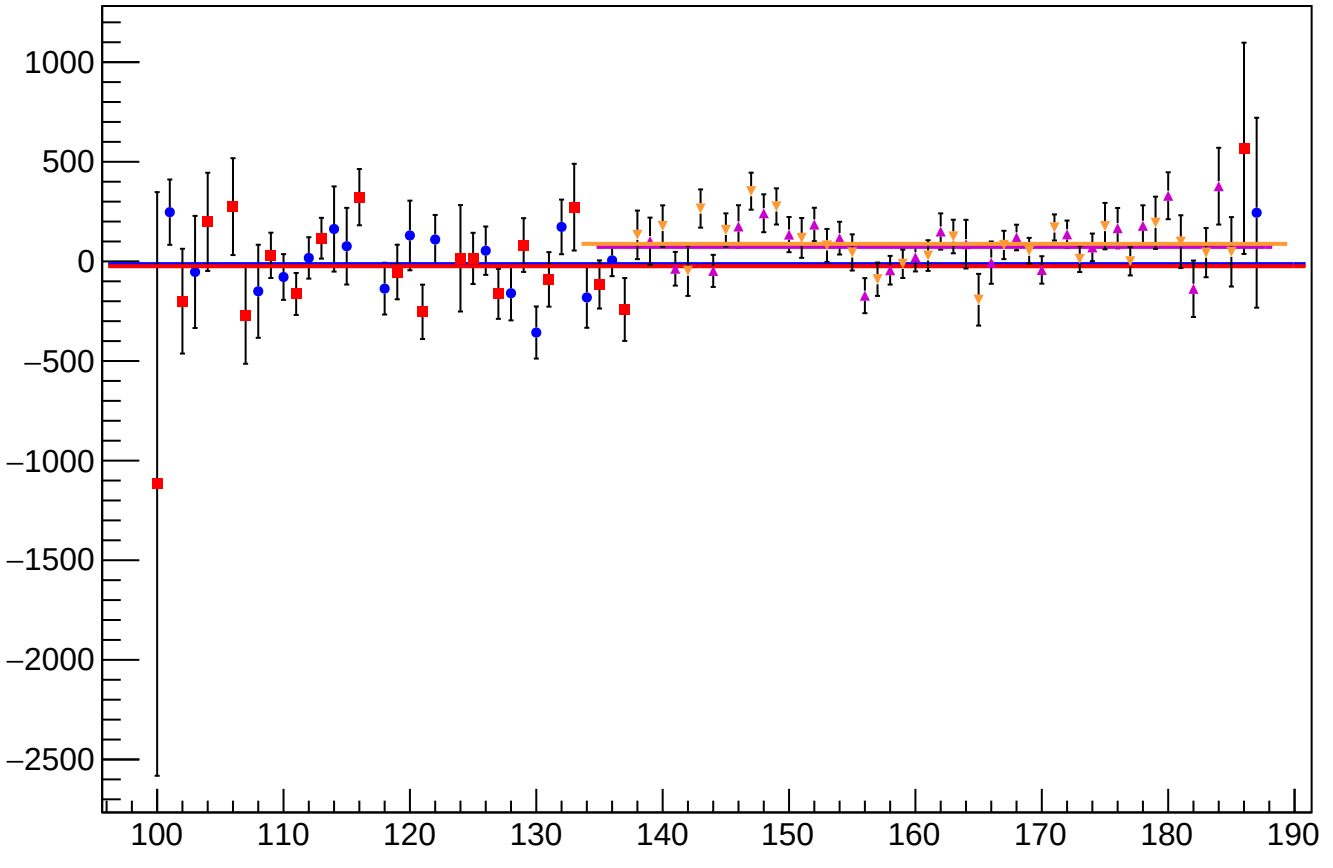
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 960.730+/-0.180 χ^2/NDF: 1958593.5/36

In: 574.600+/-0.085 χ^2/NDF:5168361.9/39

Out: 578.657+/-0.083 χ^2/NDF:5718175.0/44

All: 576.670+/-0.059 χ^2/NDF: 10887703.9/84



Right In: -13.659+/-33.677 χ^2/NDF: 18.5/16

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -24.213+/-34.003 χ^2/NDF: 24.9/19

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

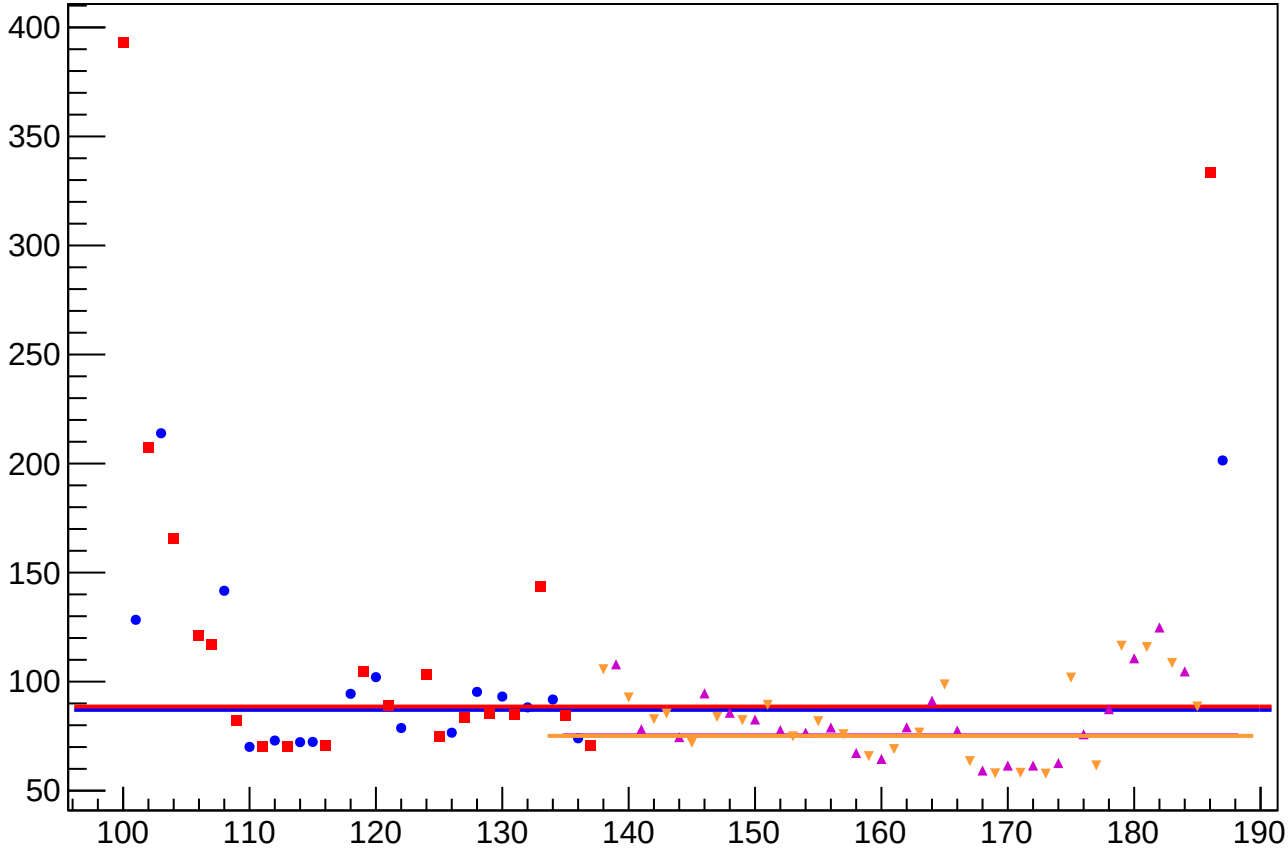
Right: -18.885+/-23.927 χ^2/NDF: 43.5/36

In: 53.167+/-16.063 χ^2/NDF:62.1/39

Out: 64.013+/-15.731 χ^2/NDF:70.3/44

All: 58.703+/-11.239 χ^2/NDF: 132.7/84

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 87.063+/-0.024 χ^2/NDF: 971963.9/16

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 88.566+/-0.024 χ^2/NDF: 1557866.4/19

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

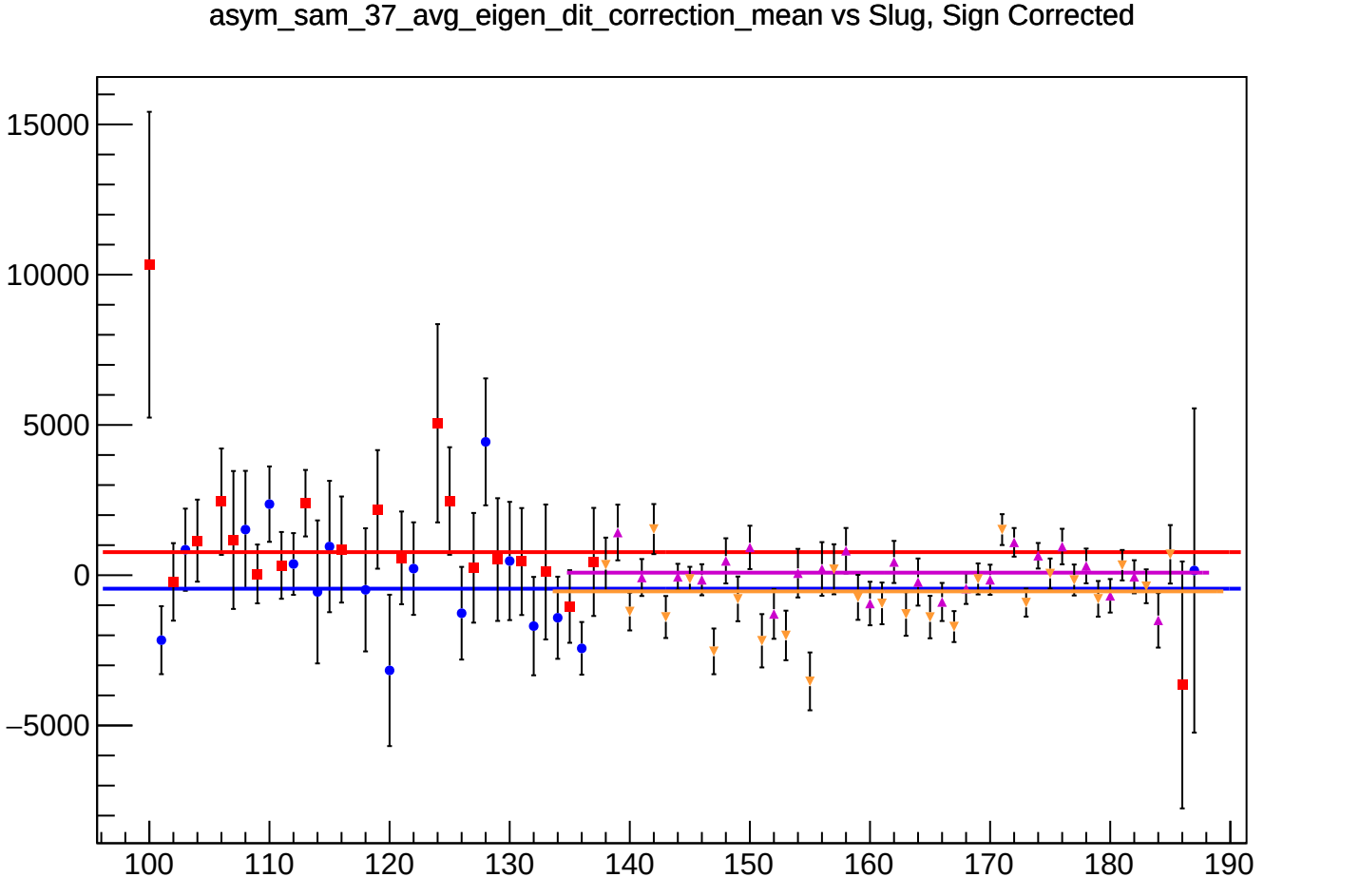
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 87.807+/-0.017 χ^2/NDF: 2531802.9/36

In: 78.025+/-0.011 χ^2/NDF:2383762.7/39

Out: 78.005+/-0.011 χ^2/NDF:3404831.8/44

All: 78.015+/-0.008 χ^2/NDF: 5788596.2/84



Right In: -448.596+/-364.768 χ^2/NDF: 23.7/16

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 767.677+/-356.515 χ^2/NDF: 14.8/19

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

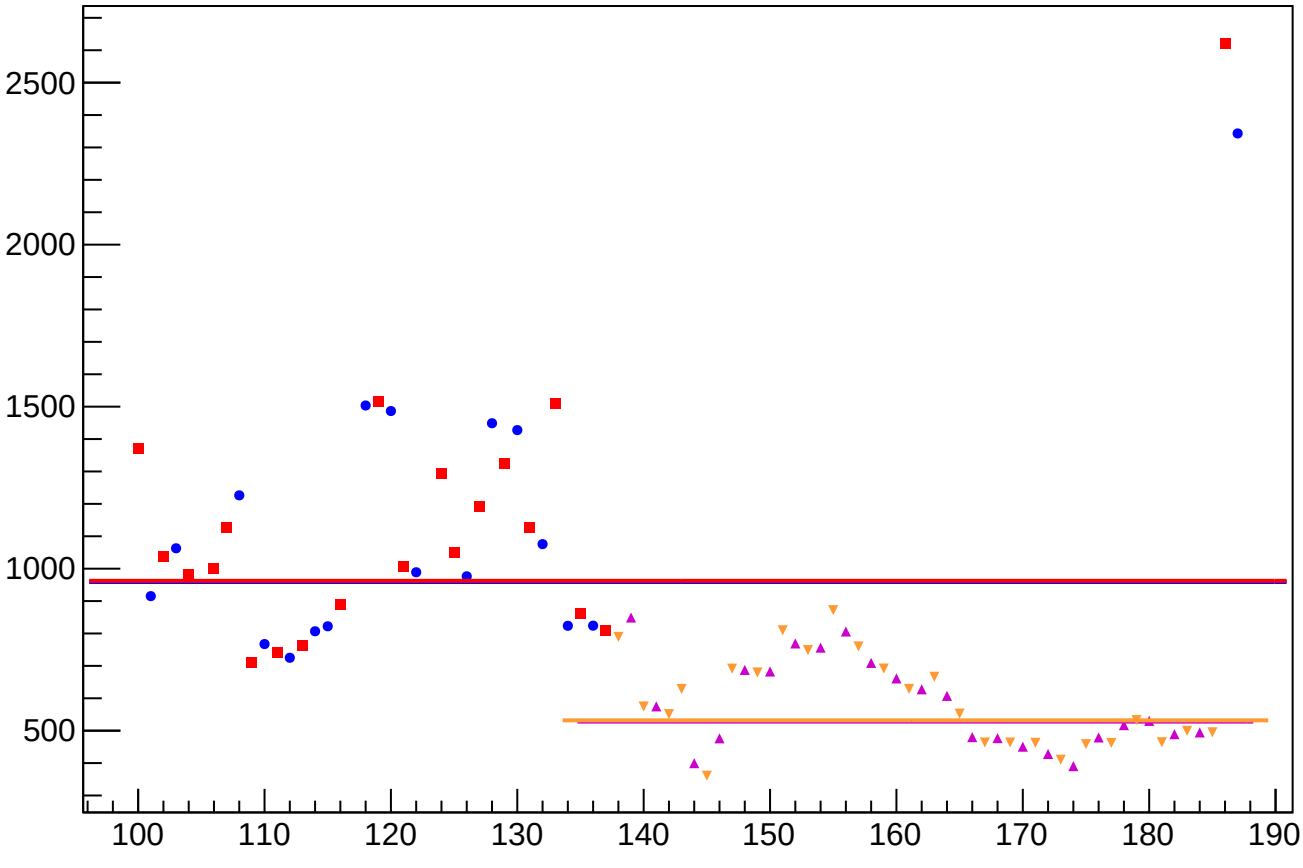
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 173.455+/-254.962 χ^2/NDF: 44.2/36

In: 26.983+/-119.971 χ^2/NDF:53.1/39

Out: -395.059+/-117.515 χ^2/NDF:93.8/44

All: -188.403+/-83.951 χ^2/NDF: 153.2/84



Right In: 958.906+/-0.258 χ^2/NDF: 878633.2/16

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 962.469+/-0.252 χ^2/NDF: 1079865.3/19

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

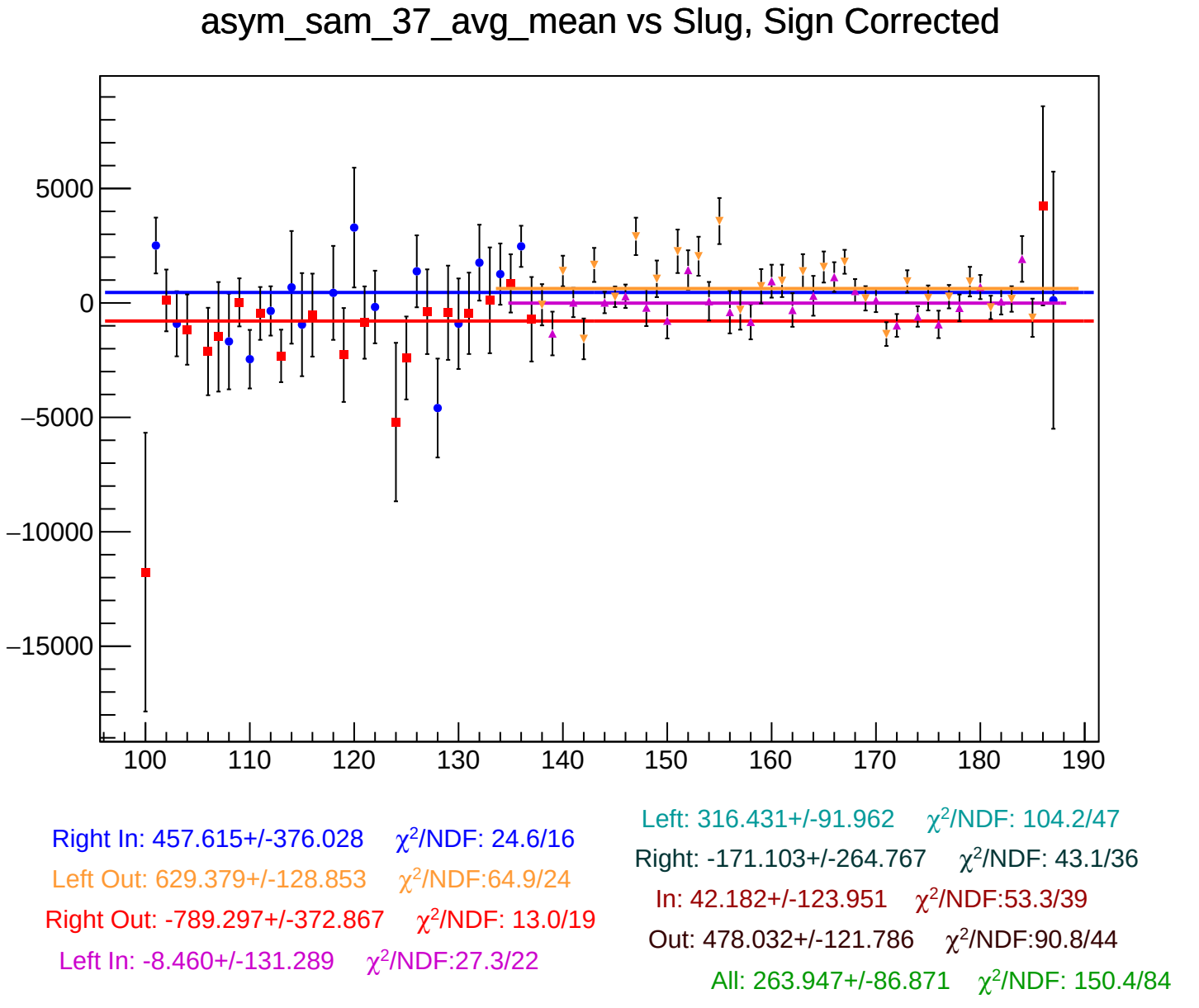
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 960.729+/-0.180 χ^2/NDF: 1958596.1/36

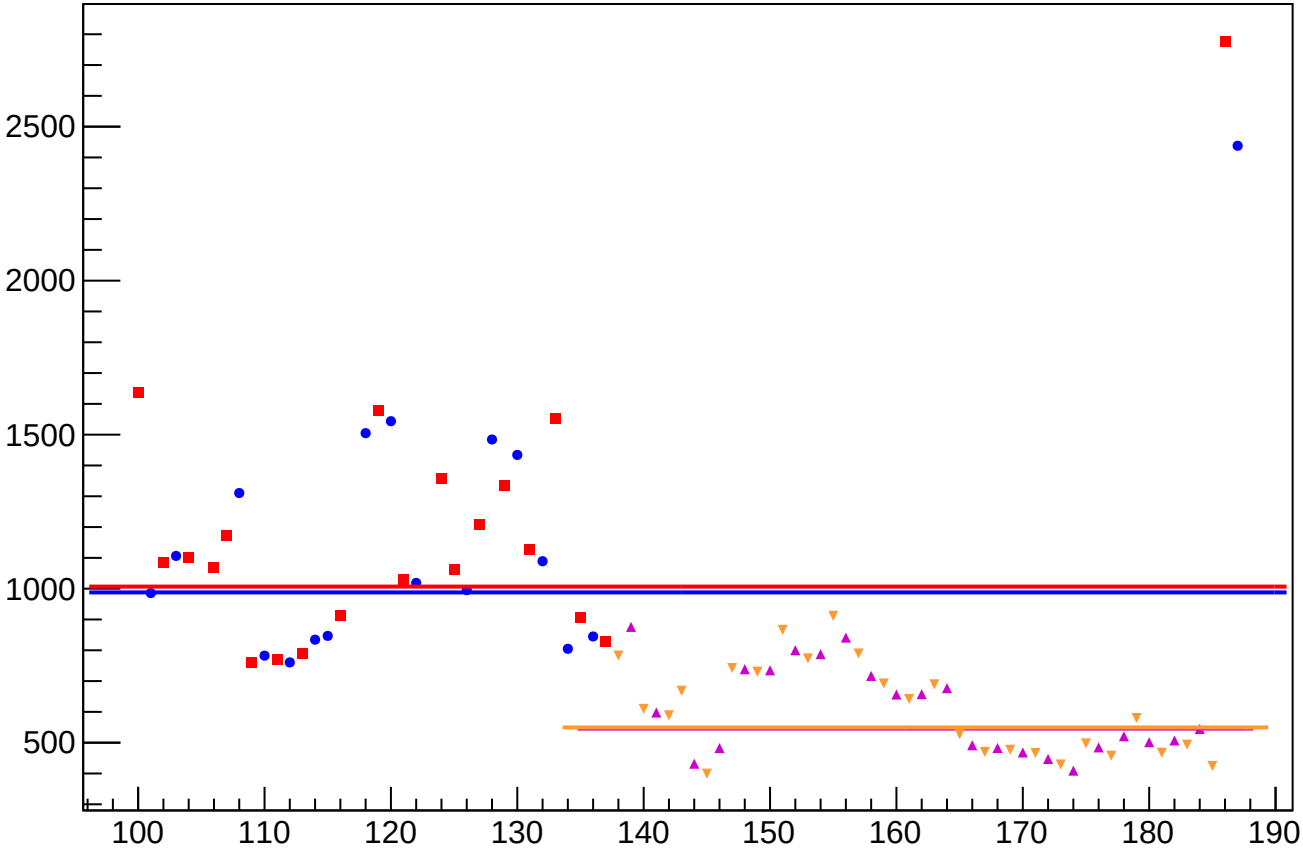
In: 574.600+/-0.085 χ^2/NDF:5168348.3/39

Out: 578.656+/-0.083 χ^2/NDF:5718160.2/44

All: 576.670+/-0.059 χ^2/NDF: 10887675.5/84


asym_sam_37_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 457.615+/-376.028 χ²/NDF: 24.6/16
Left Out: 629.379+/-128.853 χ²/NDF:64.9/24
Right Out: -789.297+/-372.867 χ²/NDF: 13.0/19
Left In: -8.460+/-131.289 χ²/NDF:27.3/22
Left: 316.431+/-91.962 χ²/NDF: 104.2/47
Right: -171.103+/-264.767 χ²/NDF: 43.1/36
In: 42.182+/-123.951 χ²/NDF:53.3/39
Out: 478.032+/-121.786 χ²/NDF:90.8/44
All: 263.947+/-86.871 χ²/NDF: 150.4/84

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 987.876+/-0.266 χ^2/NDF: 871501.2/16

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1006.774+/-0.264 χ^2/NDF: 1052942.2/19

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

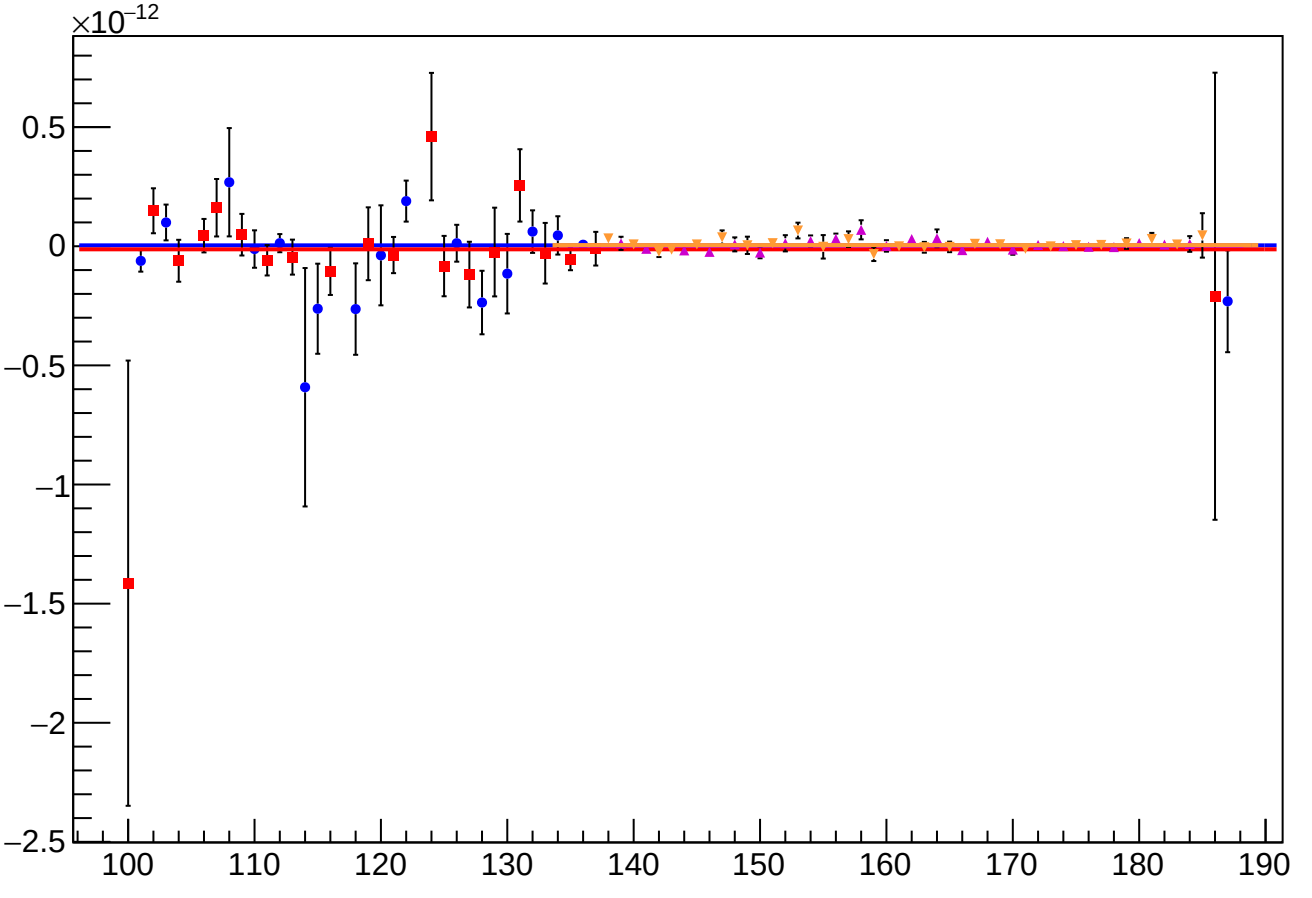
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 997.404+/-0.187 χ^2/NDF: 1926990.4/36

In: 593.753+/-0.088 χ^2/NDF:5150963.1/39

Out: 598.260+/-0.086 χ^2/NDF:5794223.5/44

All: 596.046+/-0.061 χ^2/NDF: 10946532.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

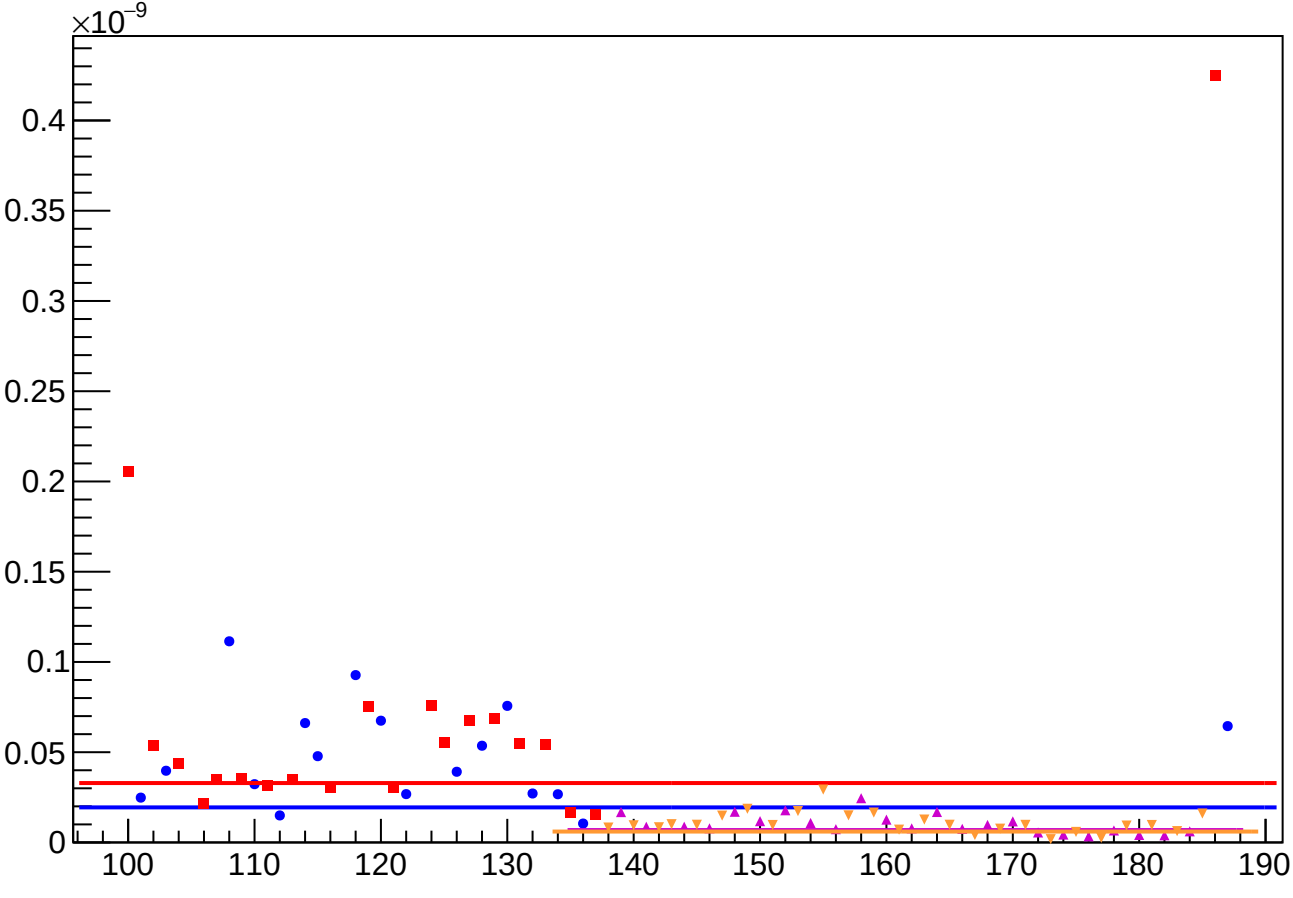
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 39.8/36

In: 0.000+/-0.000 χ^2/NDF:40.9/39

Out: 0.000+/-0.000 χ^2/NDF:34.8/44

All: 0.000+/-0.000 χ^2/NDF: 75.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 2067087.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1530644.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

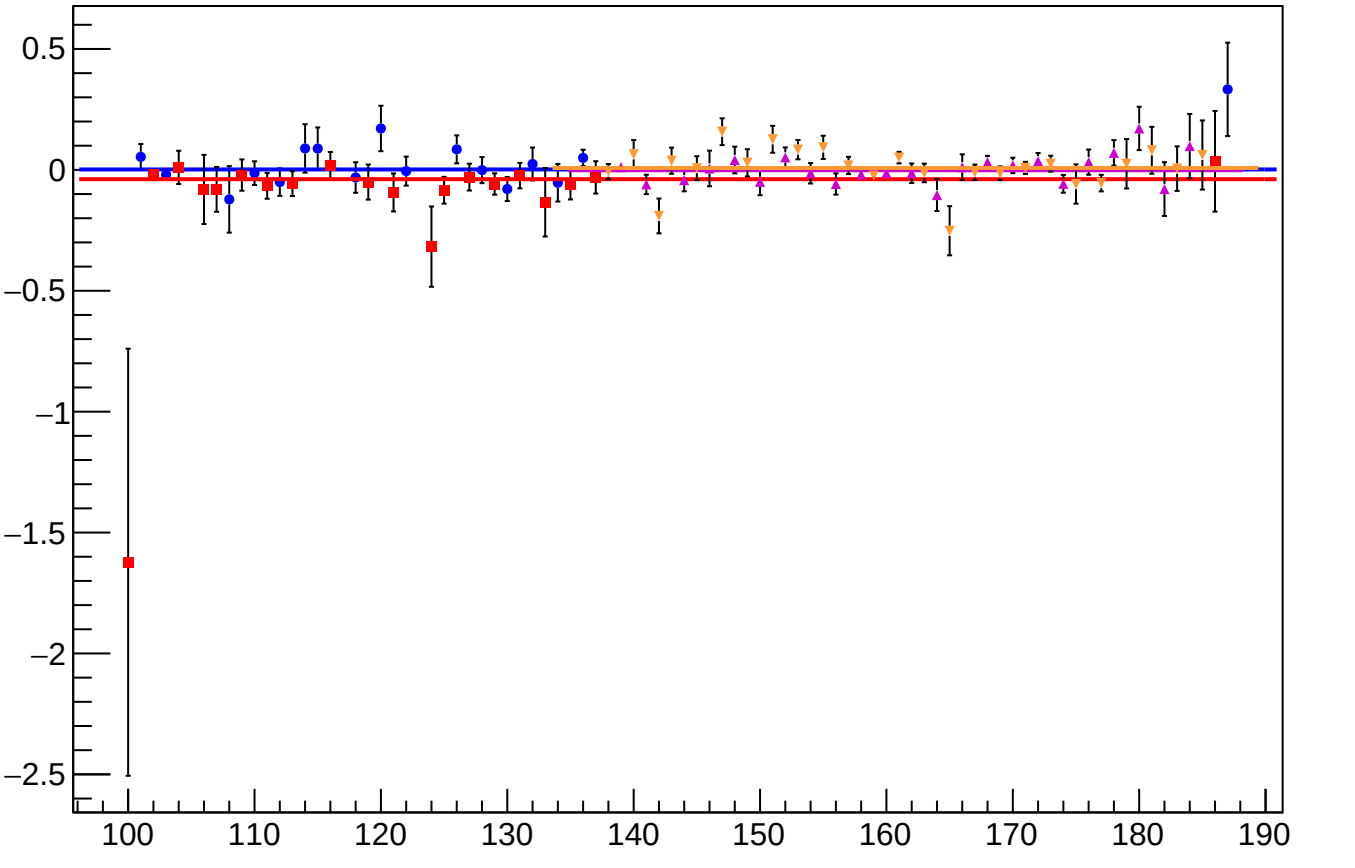
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4168304.5/36

In: 0.000+/-0.000 χ^2/NDF:5927672.4/39

Out: 0.000+/-0.000 χ^2/NDF:8442105.2/44

All: 0.000+/-0.000 χ^2/NDF: 14450645.0/84



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.039+/-0.013 χ^2/NDF: 11.2/19

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

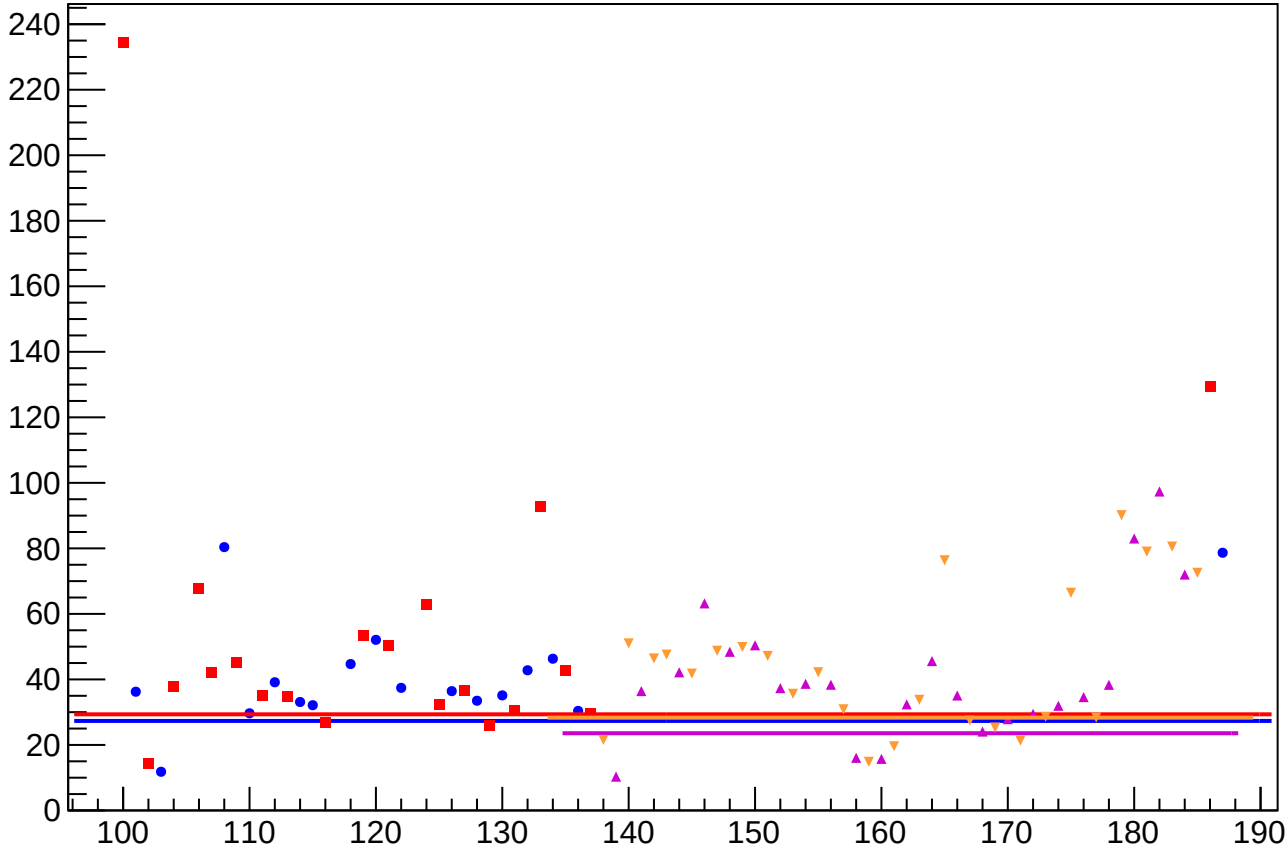
Right: -0.017+/-0.009 χ^2/NDF: 36.0/36

In: -0.001+/-0.006 χ^2/NDF:44.6/39

Out: -0.004+/-0.006 χ^2/NDF:68.7/44

All: -0.002+/-0.004 χ^2/NDF: 113.6/84

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.327+/-0.008 χ^2/NDF: 2557218.7/16

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 29.347+/-0.009 χ^2/NDF: 2918898.6/19

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

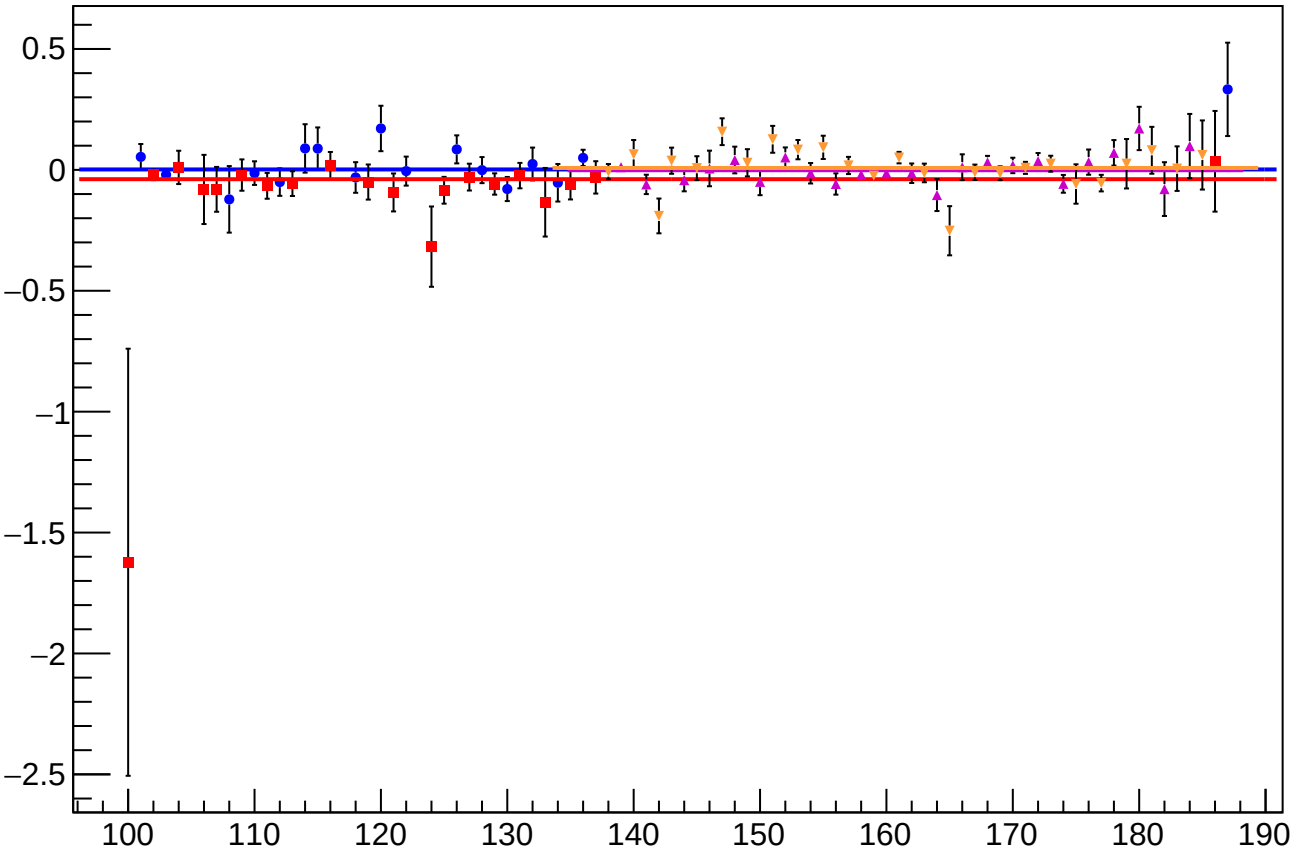
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 28.288+/-0.006 χ^2/NDF: 5503014.4/36

In: 24.485+/-0.004 χ^2/NDF:10969080.6/39

Out: 28.596+/-0.005 χ^2/NDF:9716863.2/44

All: 26.351+/-0.003 χ^2/NDF: 21123407.8/84



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.039+/-0.013 χ^2/NDF: 11.2/19

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

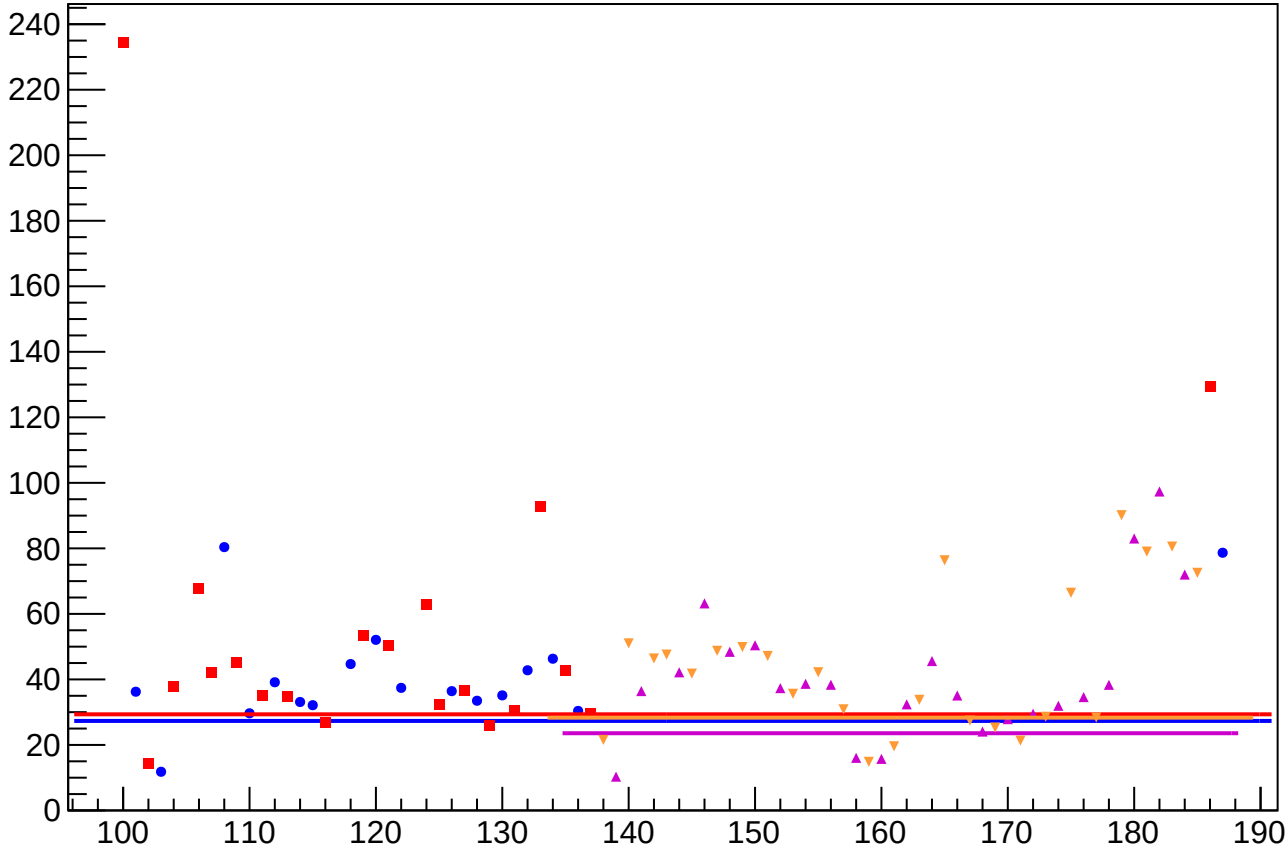
Right: -0.017+/-0.009 χ^2/NDF: 36.0/36

In: -0.001+/-0.006 χ^2/NDF:44.6/39

Out: -0.004+/-0.006 χ^2/NDF:68.7/44

All: -0.002+/-0.004 χ^2/NDF: 113.6/84

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.327+/-0.008 χ^2/NDF: 2557218.7/16

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 29.347+/-0.009 χ^2/NDF: 2918898.6/19

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

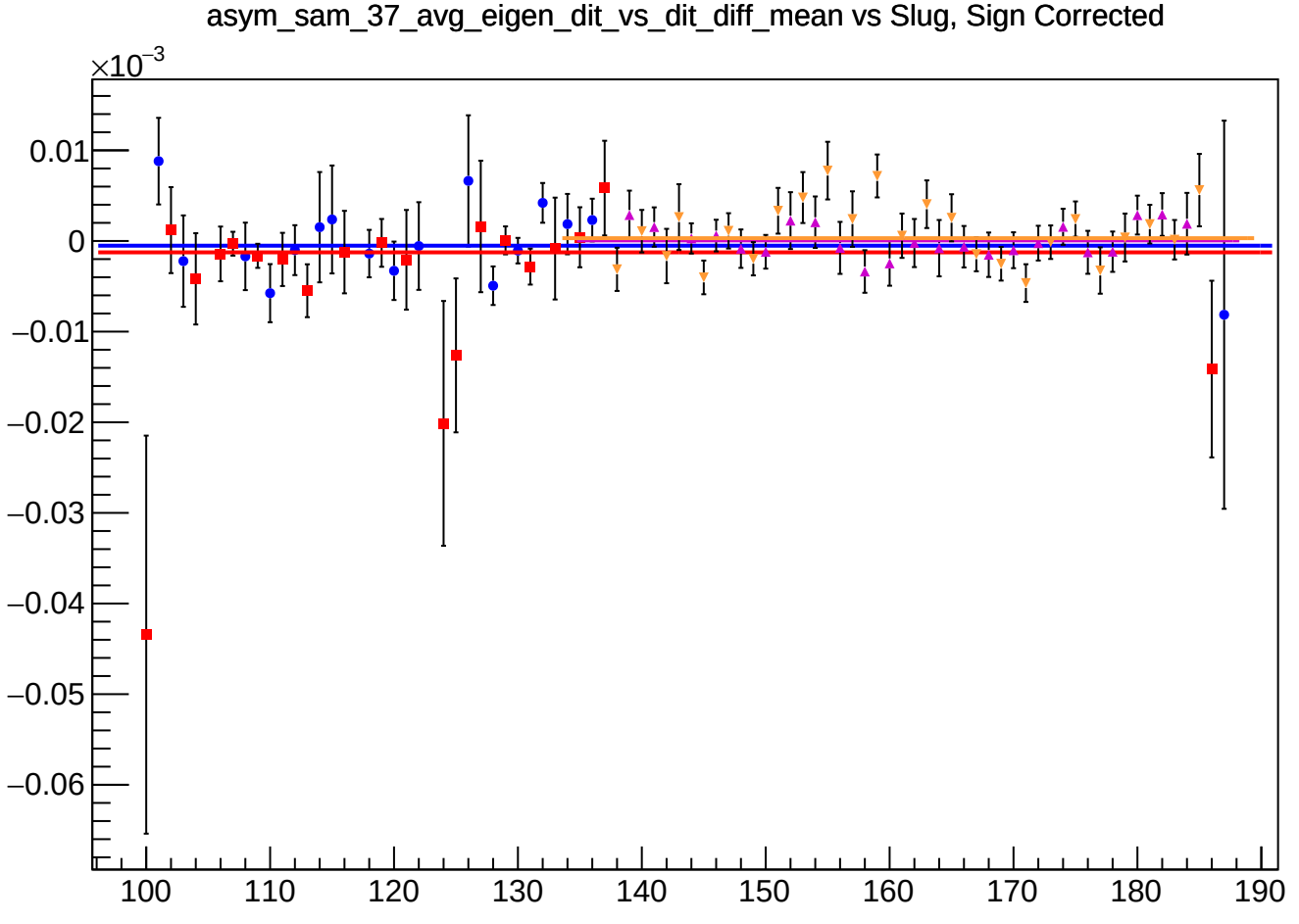
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 28.288+/-0.006 χ^2/NDF: 5503014.4/36

In: 24.485+/-0.004 χ^2/NDF:10969080.6/39

Out: 28.596+/-0.005 χ^2/NDF:9716863.2/44

All: 26.351+/-0.003 χ^2/NDF: 21123407.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/19

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

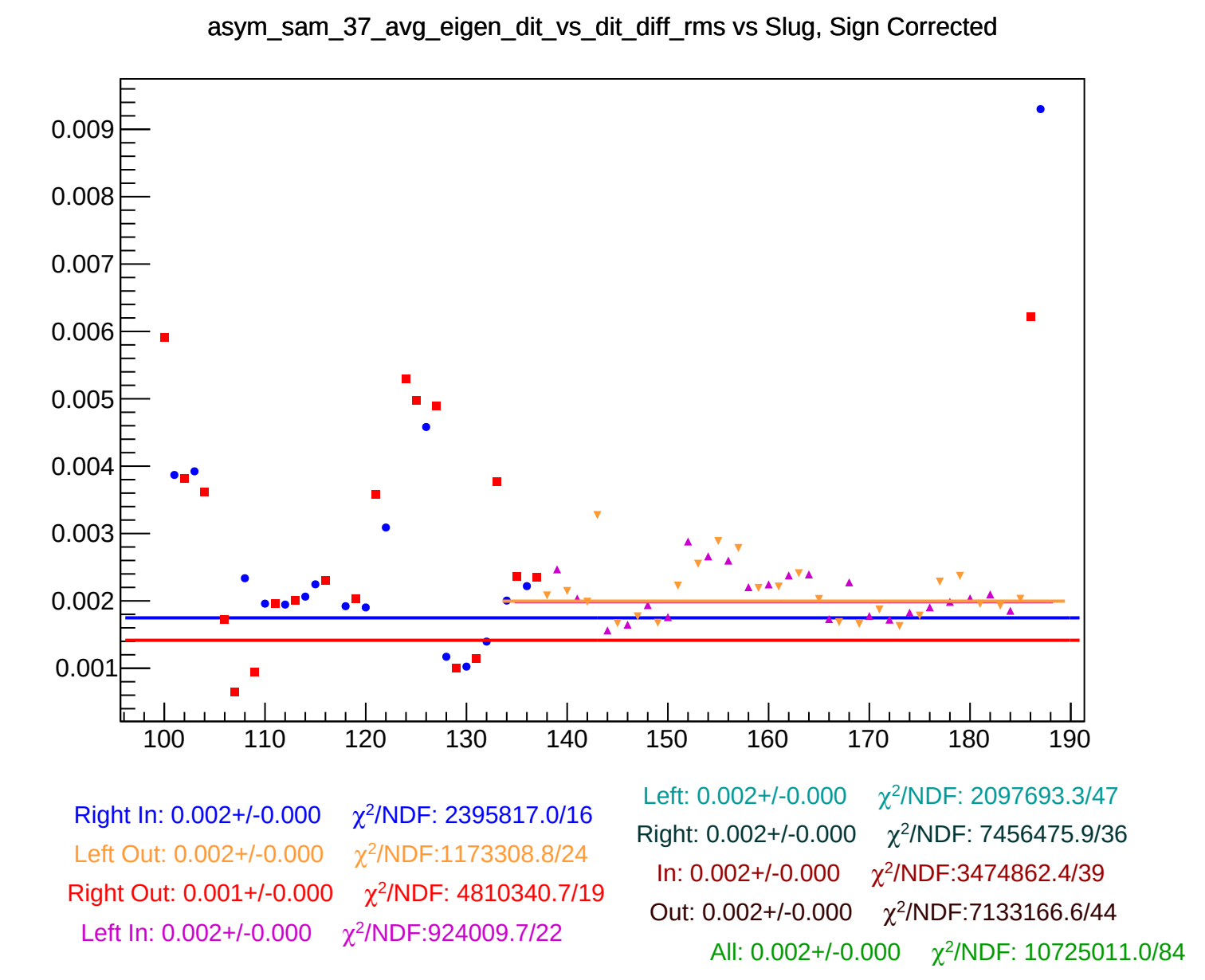
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 37.1/36

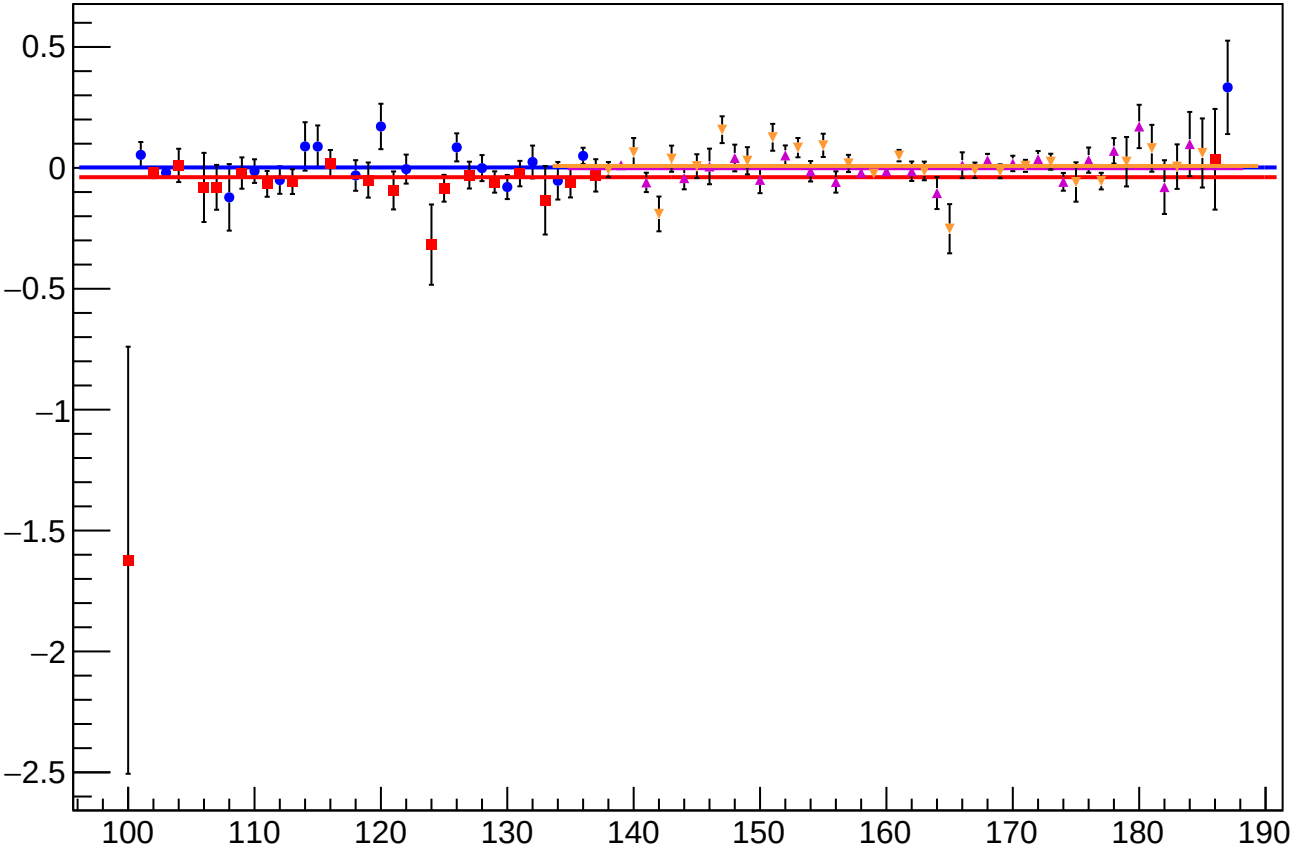
In: -0.000+/-0.000 χ^2/NDF:32.7/39

Out: -0.000+/-0.000 χ^2/NDF:66.2/44

All: -0.000+/-0.000 χ^2/NDF: 99.0/84


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2395817.0/16
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.001+/-0.000 χ²/NDF: 4810340.7/19
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
Left: 0.002+/-0.000 χ²/NDF: 2097693.3/47
Right: 0.002+/-0.000 χ²/NDF: 7456475.9/36
In: 0.002+/-0.000 χ²/NDF:3474862.4/39
Out: 0.002+/-0.000 χ²/NDF:7133166.6/44
All: 0.002+/-0.000 χ²/NDF: 10725011.0/84

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.039+/-0.013 χ^2/NDF: 11.2/19

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

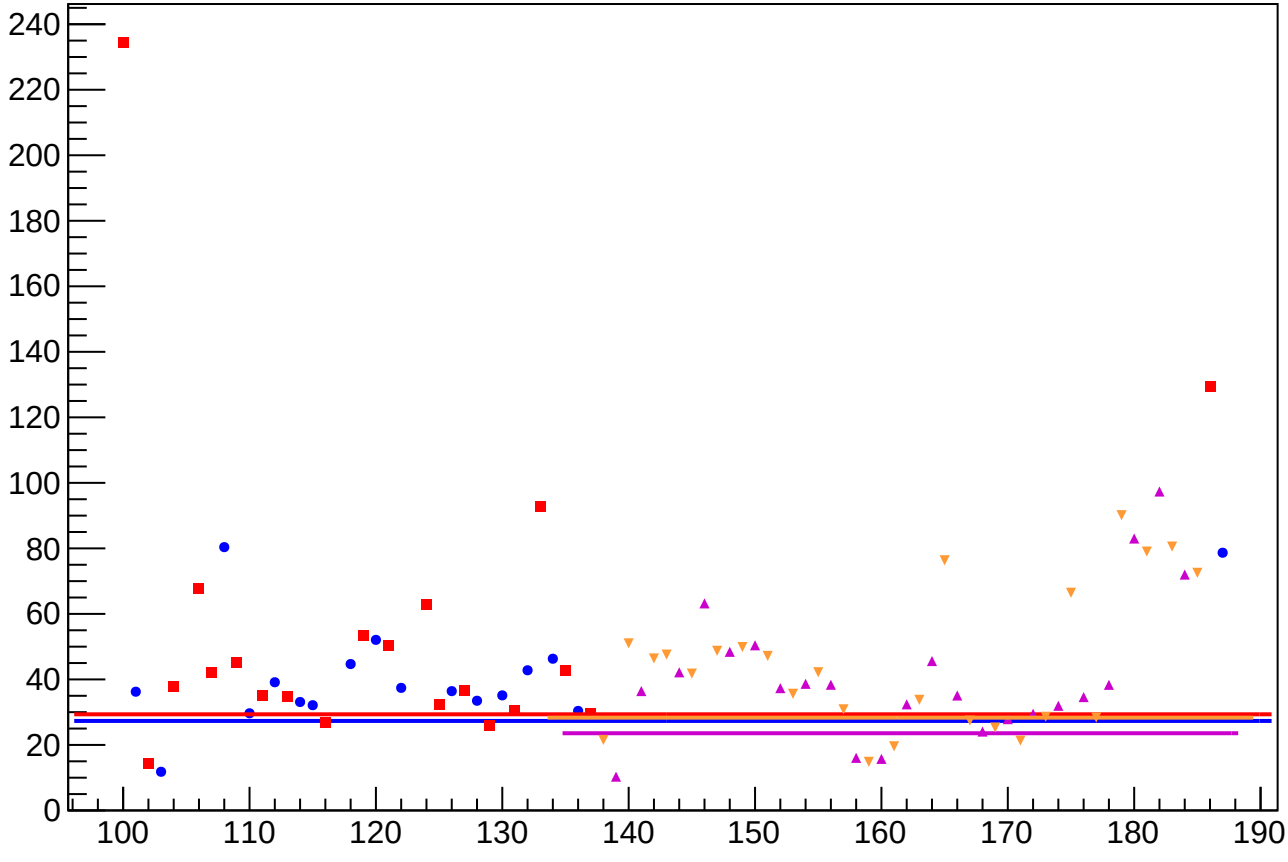
Right: -0.017+/-0.009 χ^2/NDF: 36.0/36

In: -0.001+/-0.006 χ^2/NDF:44.6/39

Out: -0.004+/-0.006 χ^2/NDF:68.7/44

All: -0.002+/-0.004 χ^2/NDF: 113.6/84

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.327+/-0.008 χ^2/NDF: 2557571.8/16

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 29.350+/-0.009 χ^2/NDF: 2918278.7/19

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

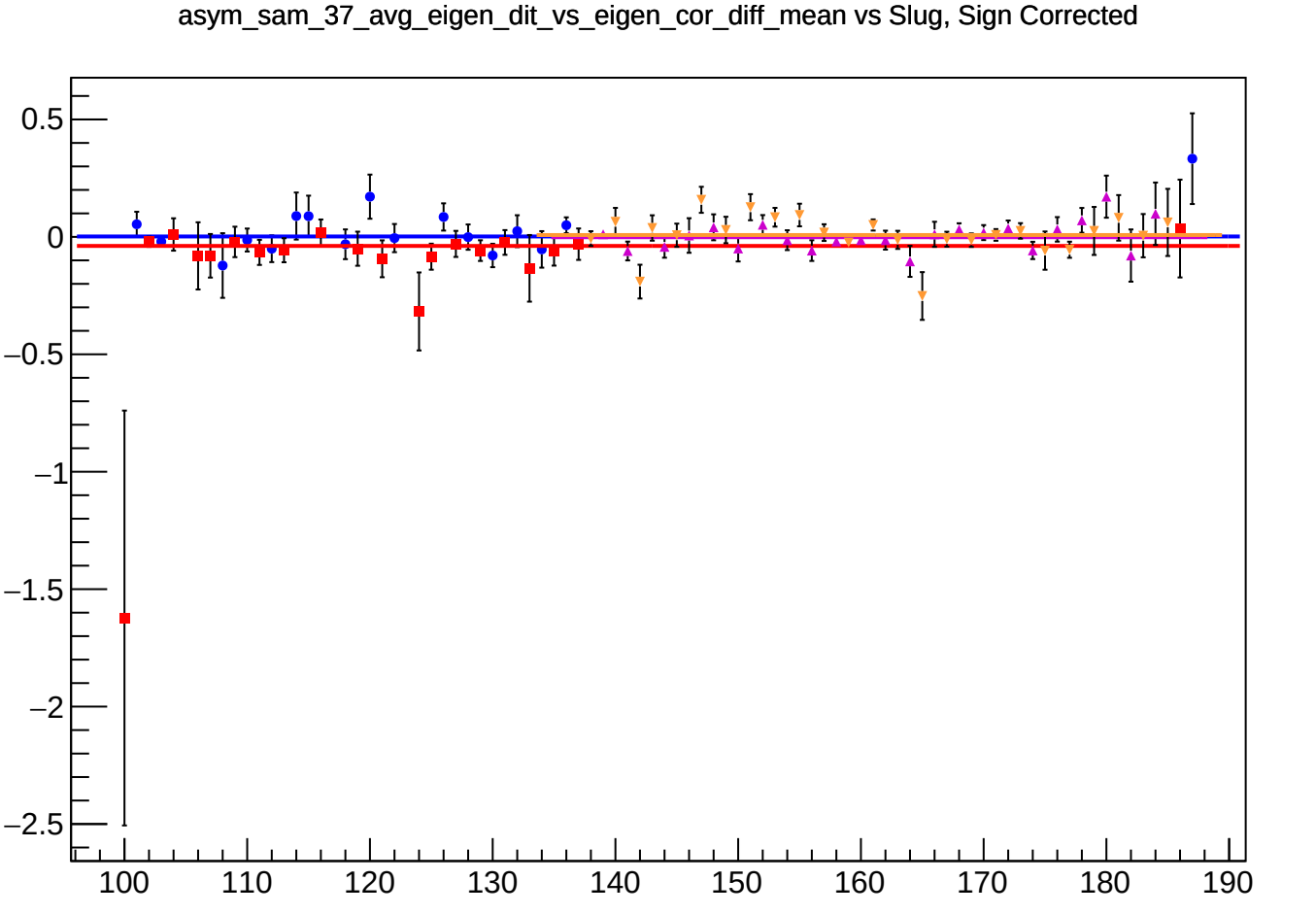
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 28.289+/-0.006 χ^2/NDF: 5502838.6/36

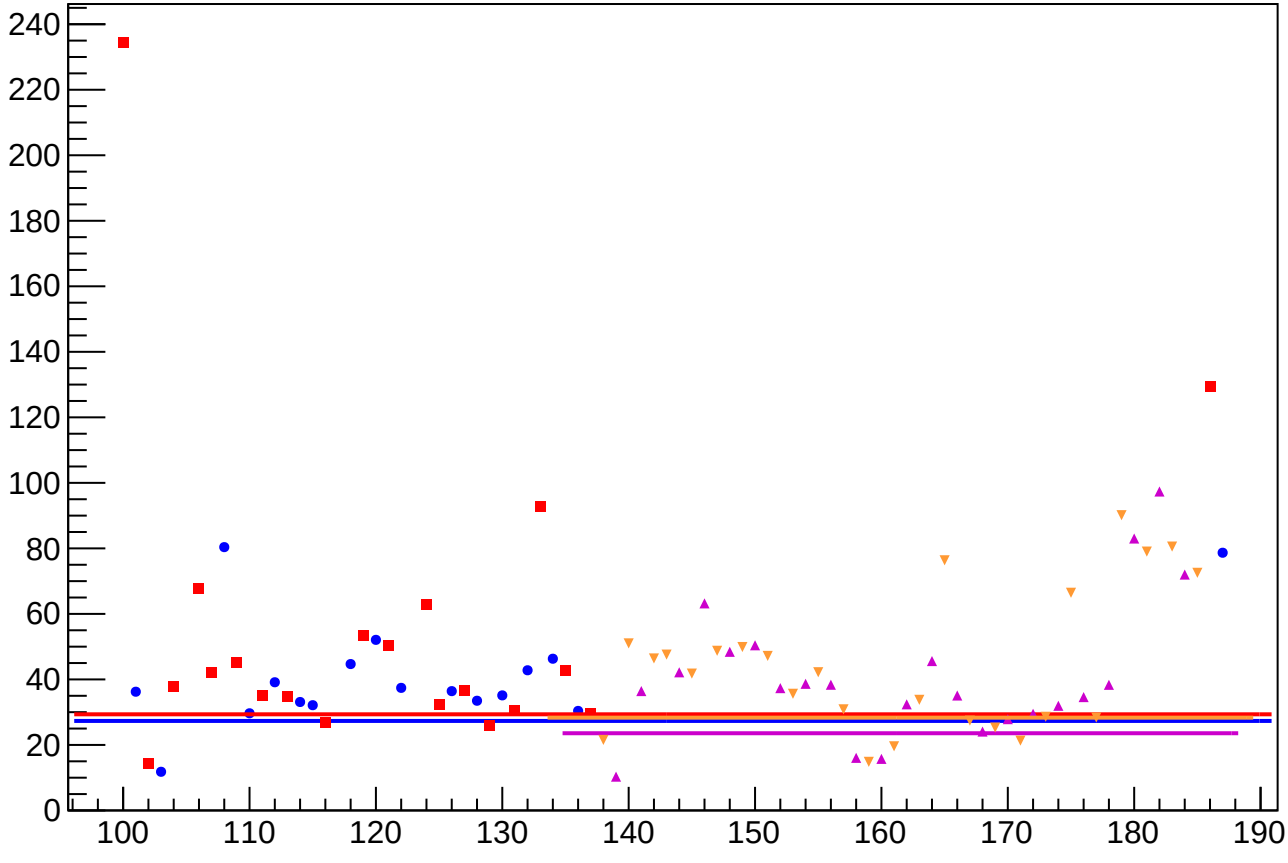
In: 24.484+/-0.004 χ^2/NDF:10970525.1/39

Out: 28.596+/-0.005 χ^2/NDF:9716760.1/44

All: 26.350+/-0.003 χ^2/NDF: 21125072.1/84


asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.012 χ²/NDF: 19.4/16
Left Out: 0.008+/-0.008 χ²/NDF:47.6/24
Right Out: -0.039+/-0.013 χ²/NDF: 11.2/19
Left In: -0.001+/-0.007 χ²/NDF:25.1/22
Left: 0.003+/-0.005 χ²/NDF: 73.6/47
Right: -0.017+/-0.009 χ²/NDF: 36.0/36
In: -0.001+/-0.006 χ²/NDF:44.6/39
Out: -0.004+/-0.006 χ²/NDF:68.7/44
All: -0.002+/-0.004 χ²/NDF: 113.6/84

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.327+/-0.008 χ^2/NDF: 2557571.8/16

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 29.350+/-0.009 χ^2/NDF: 2918278.7/19

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

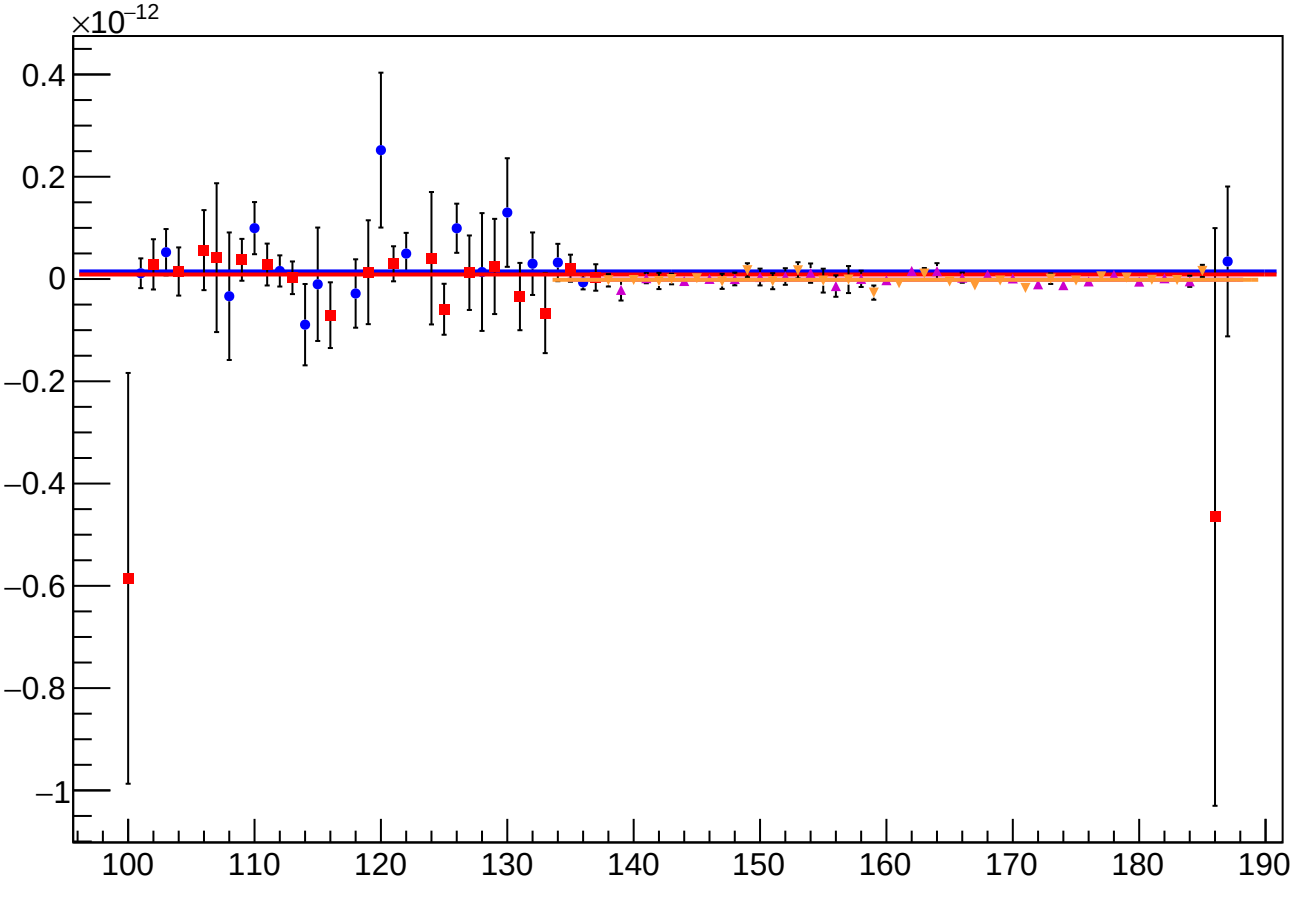
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 28.289+/-0.006 χ^2/NDF: 5502838.6/36

In: 24.484+/-0.004 χ^2/NDF:10970525.1/39

Out: 28.596+/-0.005 χ^2/NDF:9716760.1/44

All: 26.350+/-0.003 χ^2/NDF: 21125072.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/19

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

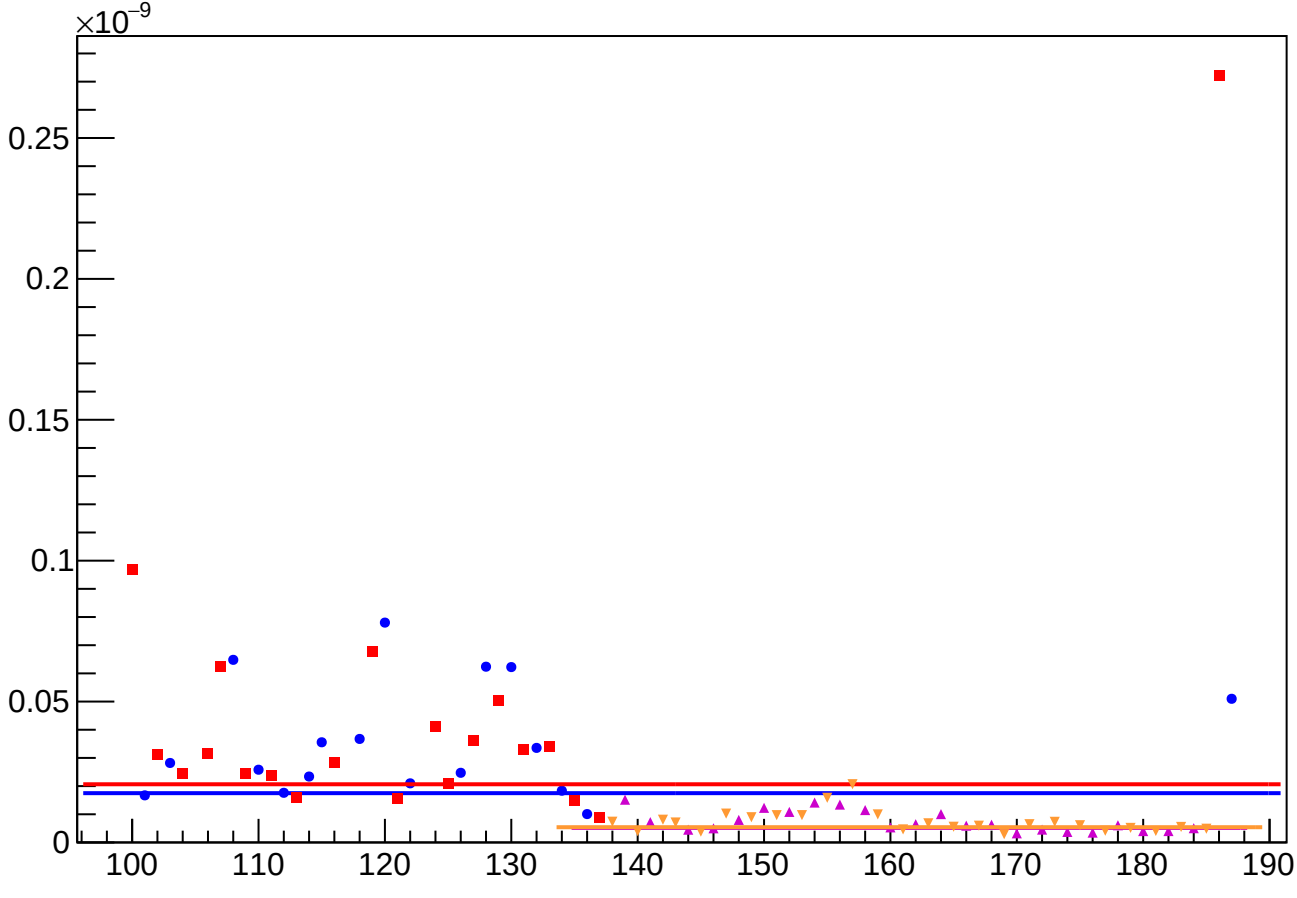
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 25.9/36

In: -0.000+/-0.000 χ^2/NDF:34.7/39

Out: -0.000+/-0.000 χ^2/NDF:28.2/44

All: -0.000+/-0.000 χ^2/NDF: 62.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 2546921.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2322789.9/19

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

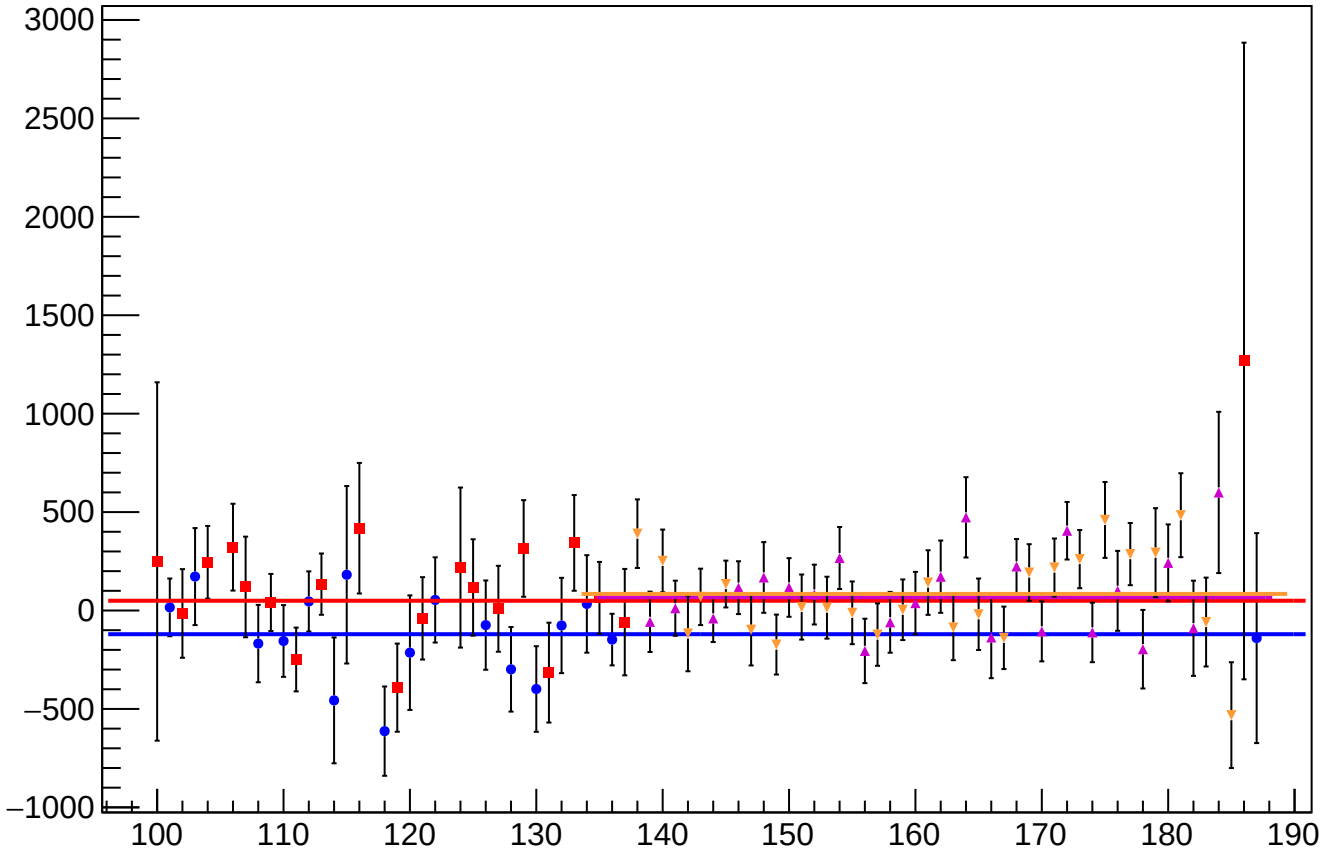
Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

Right: 0.000+/-0.000 χ^2/NDF: 4966381.8/36

In: 0.000+/-0.000 χ^2/NDF:9244745.8/39

Out: 0.000+/-0.000 χ^2/NDF:9252483.3/44

All: 0.000+/-0.000 χ^2/NDF: 18515660.0/84



Right In: -120.341+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 49.609+/-49.886 χ^2/NDF: 17.6/19

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

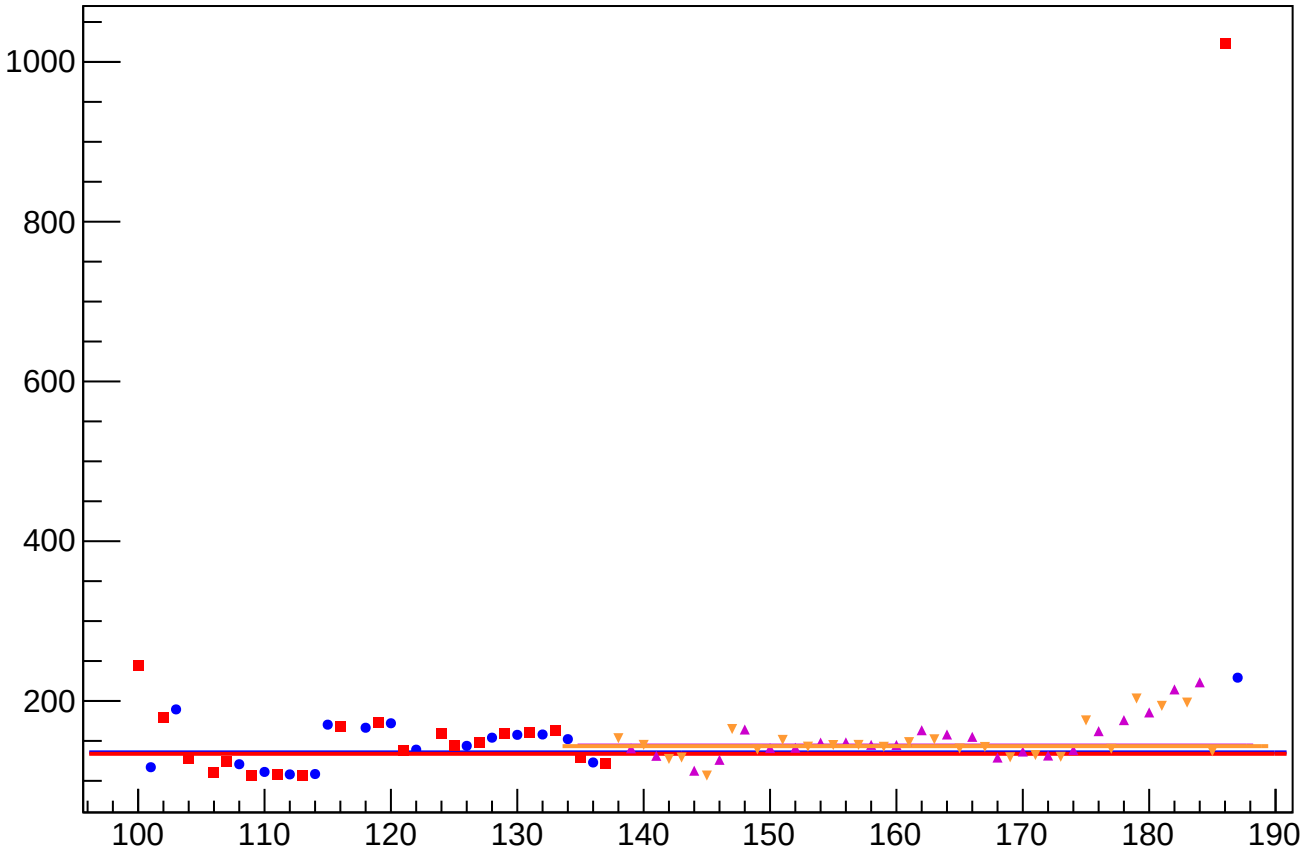
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -33.706+/-35.618 χ^2/NDF: 36.7/36

In: 9.276+/-28.346 χ^2/NDF:49.3/39

Out: 73.741+/-27.544 χ^2/NDF:51.7/44

All: 42.434+/-19.754 χ^2/NDF: 103.7/84



Right In: 135.630+/-0.036 χ^2/NDF: 478860.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 133.866+/-0.035 χ^2/NDF: 1100904.6/19

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

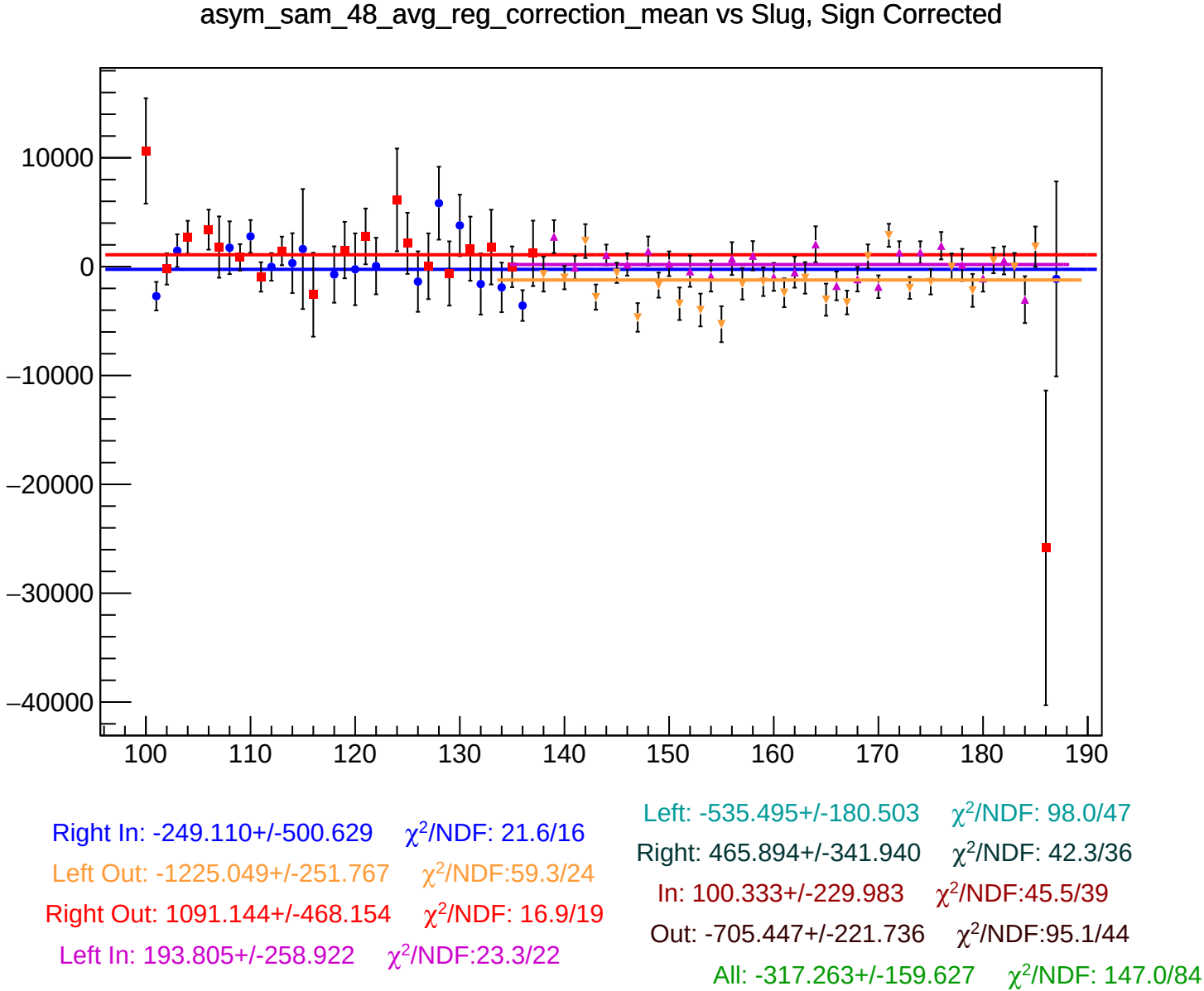
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

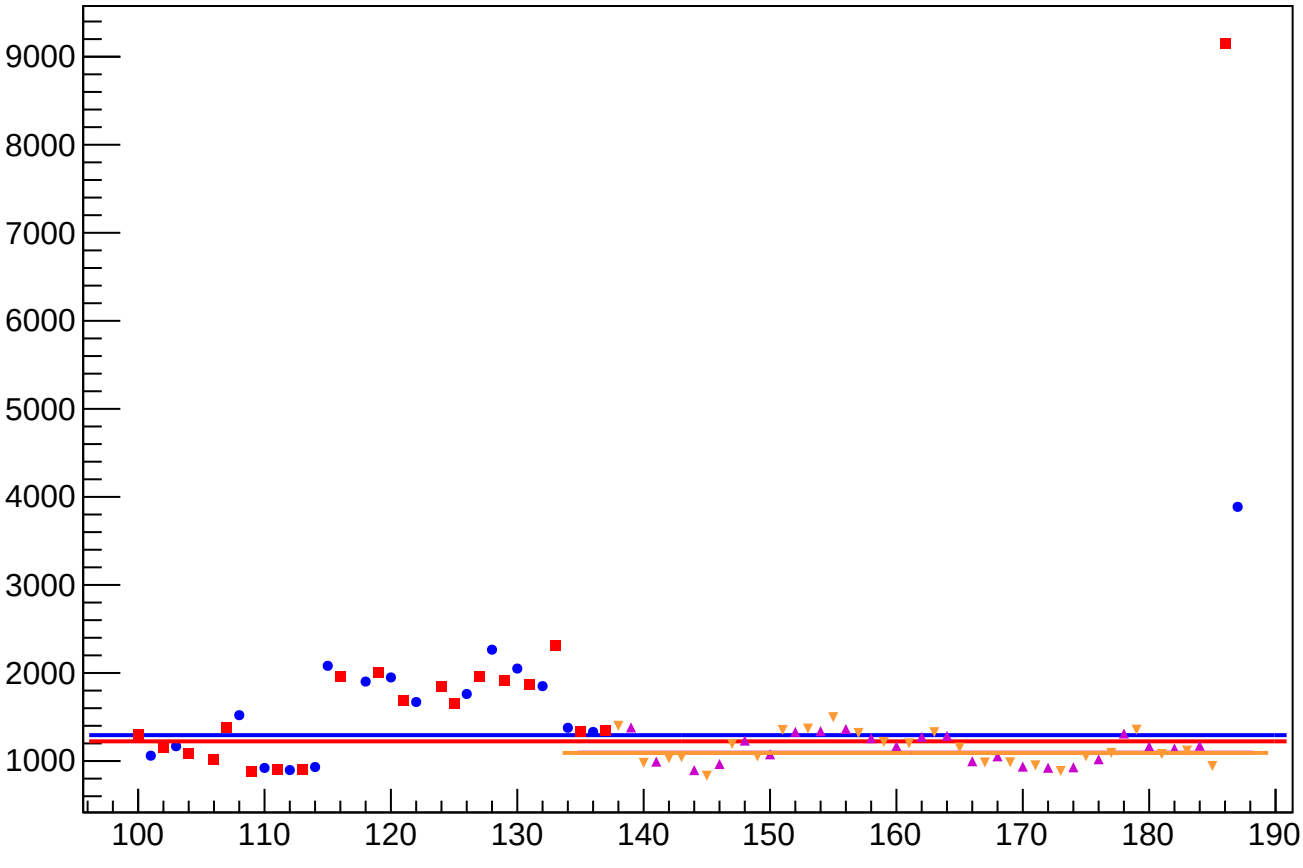
Right: 134.731+/-0.025 χ^2/NDF: 1580990.1/36

In: 141.519+/-0.020 χ^2/NDF:1220443.2/39

Out: 140.524+/-0.019 χ^2/NDF:1899187.9/44

All: 141.007+/-0.014 χ^2/NDF: 3120898.0/84


asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -249.110+/-500.629 χ²/NDF: 21.6/16
Left Out: -1225.049+/-251.767 χ²/NDF:59.3/24
Right Out: 1091.144+/-468.154 χ²/NDF: 16.9/19
Left In: 193.805+/-258.922 χ²/NDF:23.3/22
Left: -535.495+/-180.503 χ²/NDF: 98.0/47
Right: 465.894+/-341.940 χ²/NDF: 42.3/36
In: 100.333+/-229.983 χ²/NDF:45.5/39
Out: -705.447+/-221.736 χ²/NDF:95.1/44
All: -317.263+/-159.627 χ²/NDF: 147.0/84



Right In: 1293.798+/-0.354 χ^2/NDF: 1338680.5/16

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1223.560+/-0.331 χ^2/NDF: 1988267.7/19

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

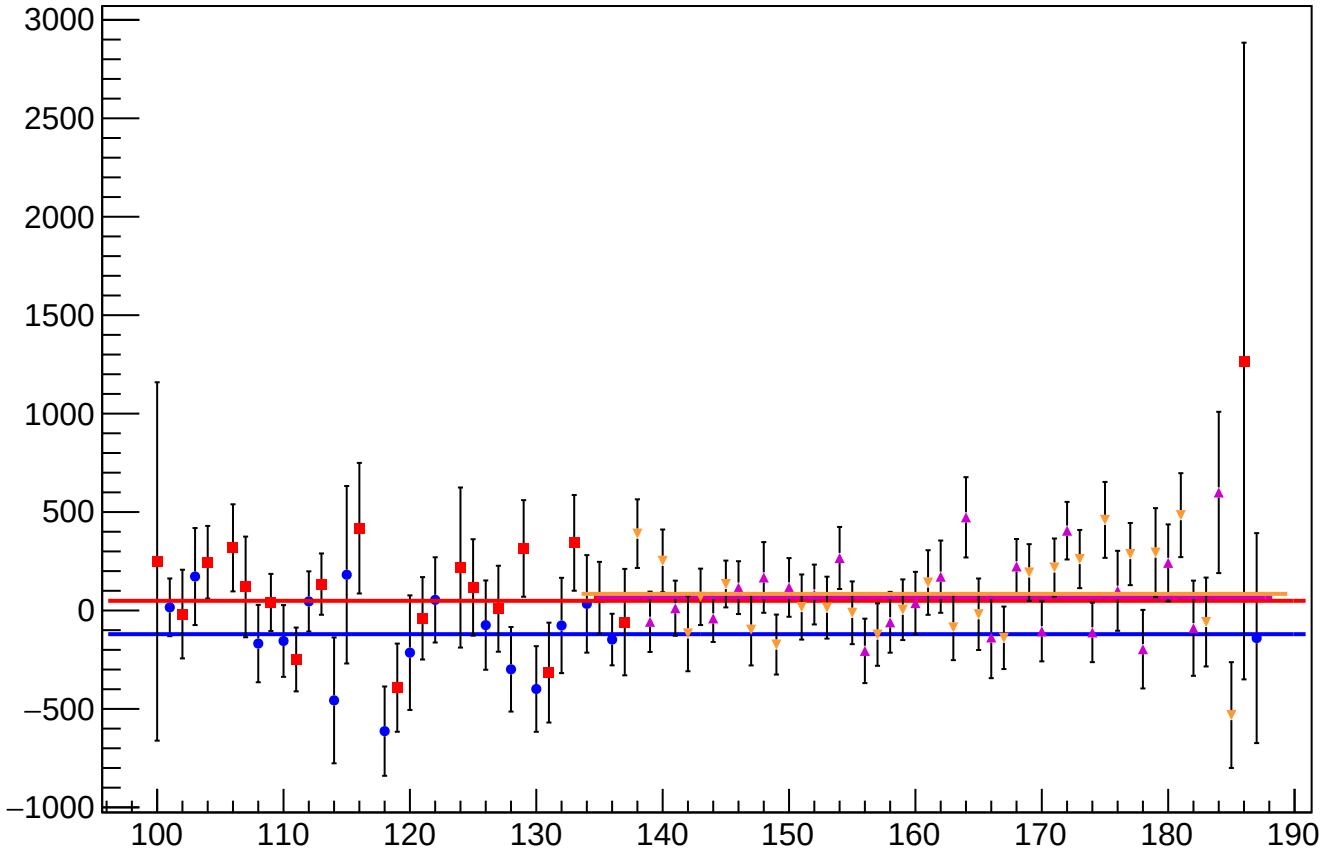
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1256.327+/-0.242 χ^2/NDF: 3347950.3/36

In: 1136.542+/-0.163 χ^2/NDF:2321778.9/39

Out: 1121.498+/-0.157 χ^2/NDF:3003259.3/44

All: 1128.745+/-0.113 χ^2/NDF: 5329473.9/84



Right In: -120.352+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 49.173+/-49.895 χ^2/NDF: 17.5/19

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

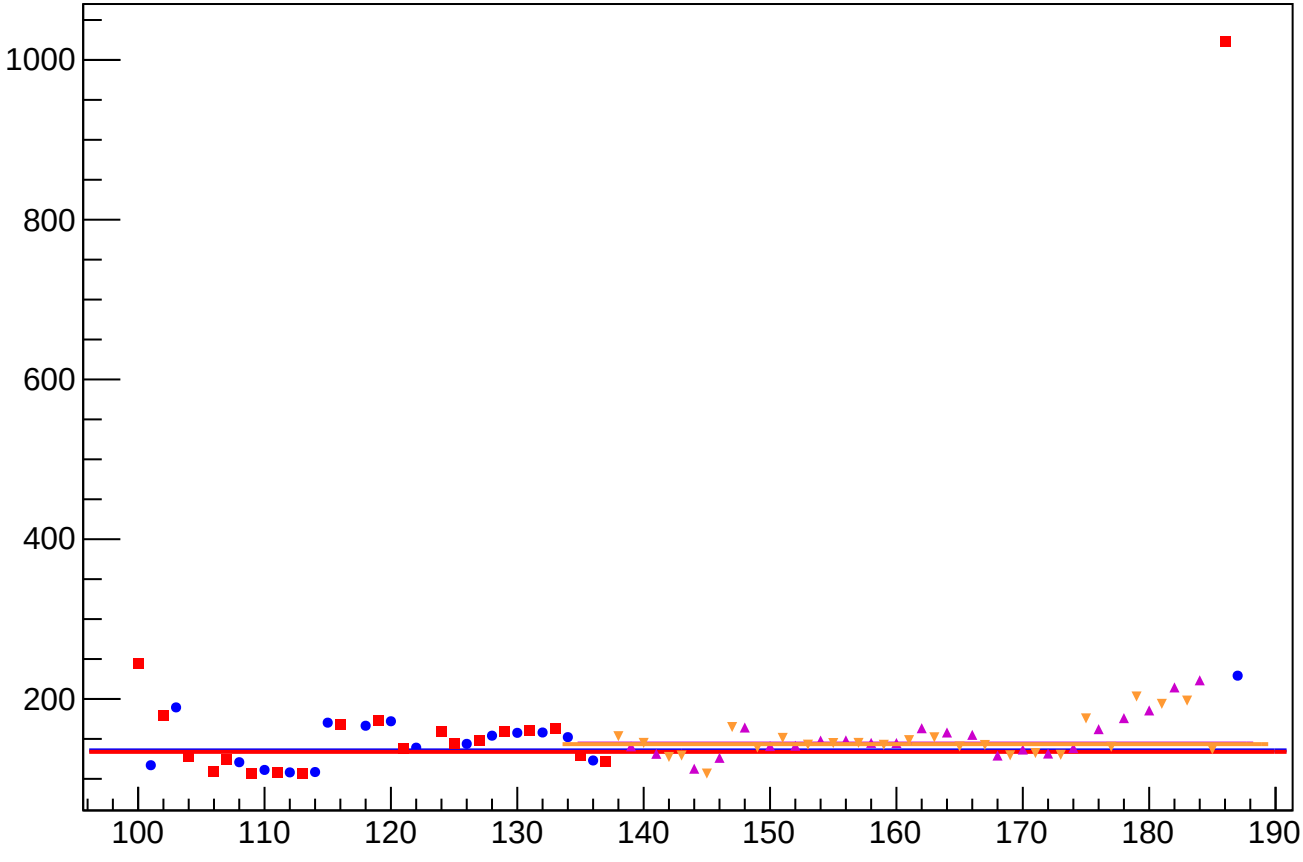
Right: -33.949+/-35.621 χ^2/NDF: 36.6/36

In: 9.274+/-28.346 χ^2/NDF:49.3/39

Out: 73.621+/-27.545 χ^2/NDF:51.7/44

All: 42.369+/-19.754 χ^2/NDF: 103.7/84

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 135.630+/-0.036 χ^2/NDF: 478863.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 133.794+/-0.035 χ^2/NDF: 1104136.4/19

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

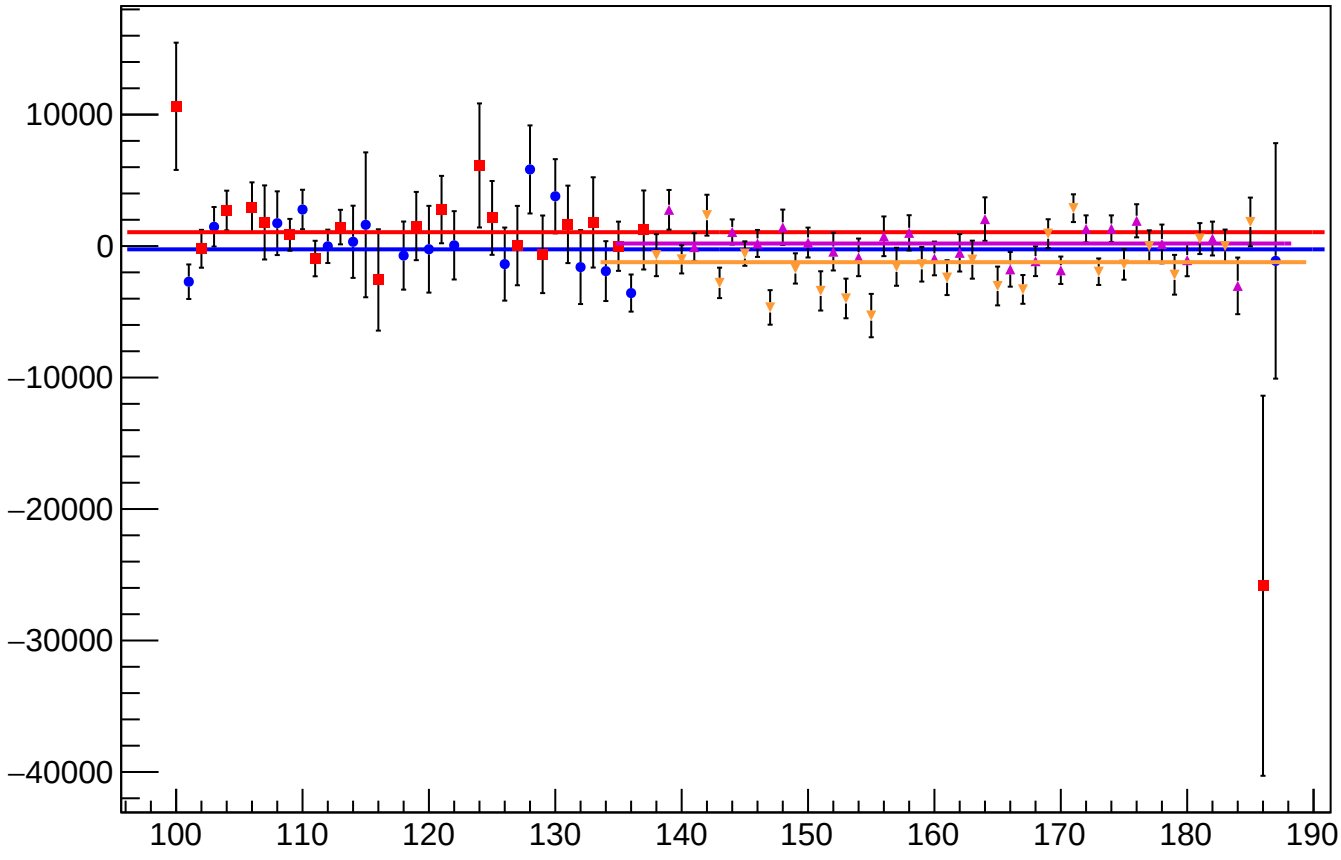
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 134.694+/-0.025 χ^2/NDF: 1584326.8/36

In: 141.519+/-0.020 χ^2/NDF:1220446.1/39

Out: 140.503+/-0.019 χ^2/NDF:1903179.9/44

All: 140.996+/-0.014 χ^2/NDF: 3124947.4/84



Right In: -249.180+/-500.634 χ^2/NDF: 21.6/16

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1055.744+/-469.076 χ^2/NDF: 16.3/19

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

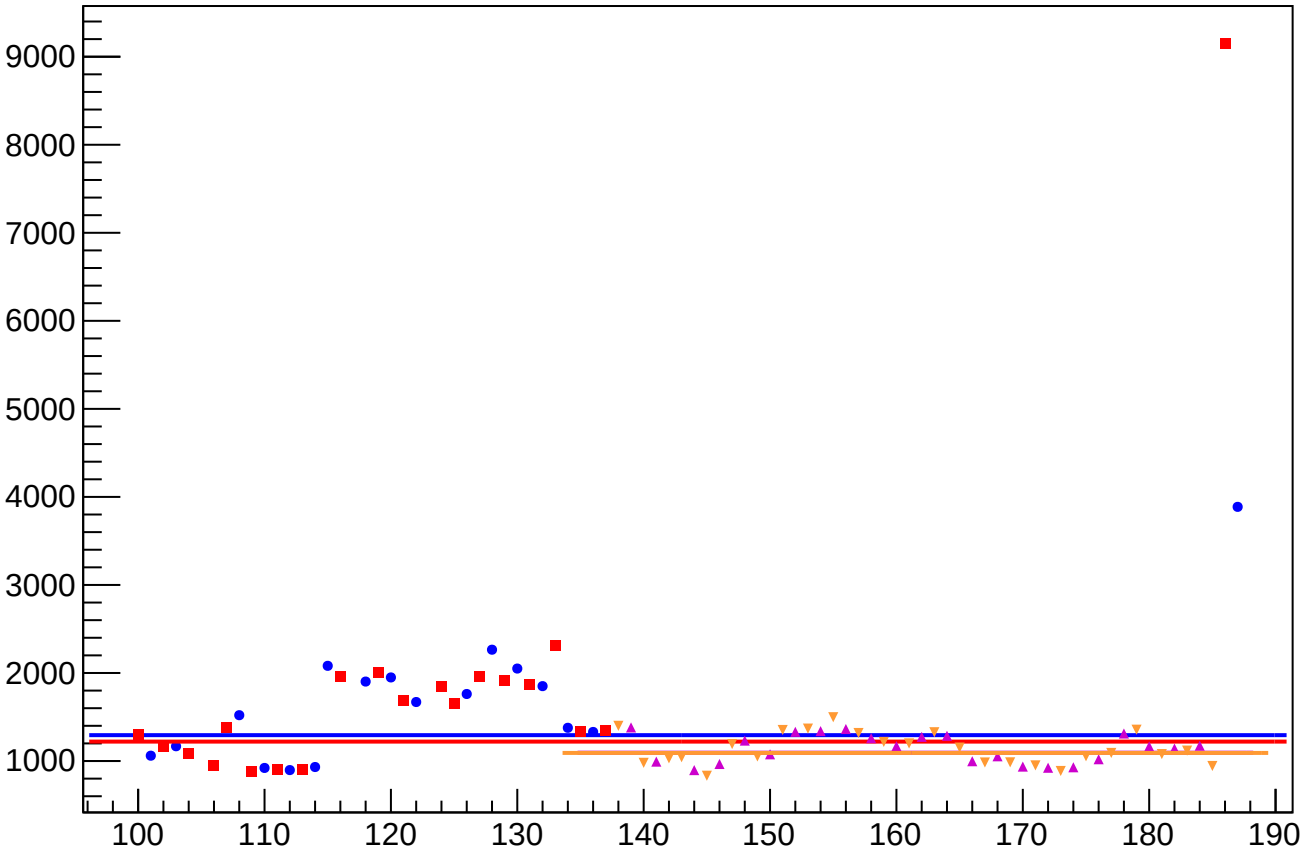
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 445.704+/-342.300 χ^2/NDF: 41.5/36

In: 100.322+/-229.984 χ^2/NDF:45.5/39

Out: -714.936+/-221.834 χ^2/NDF:93.9/44

All: -322.008+/-159.664 χ^2/NDF: 145.9/84



Right In: 1293.812+/-0.354 χ^2/NDF: 1338653.6/16

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1220.635+/-0.332 χ^2/NDF: 2003059.7/19

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

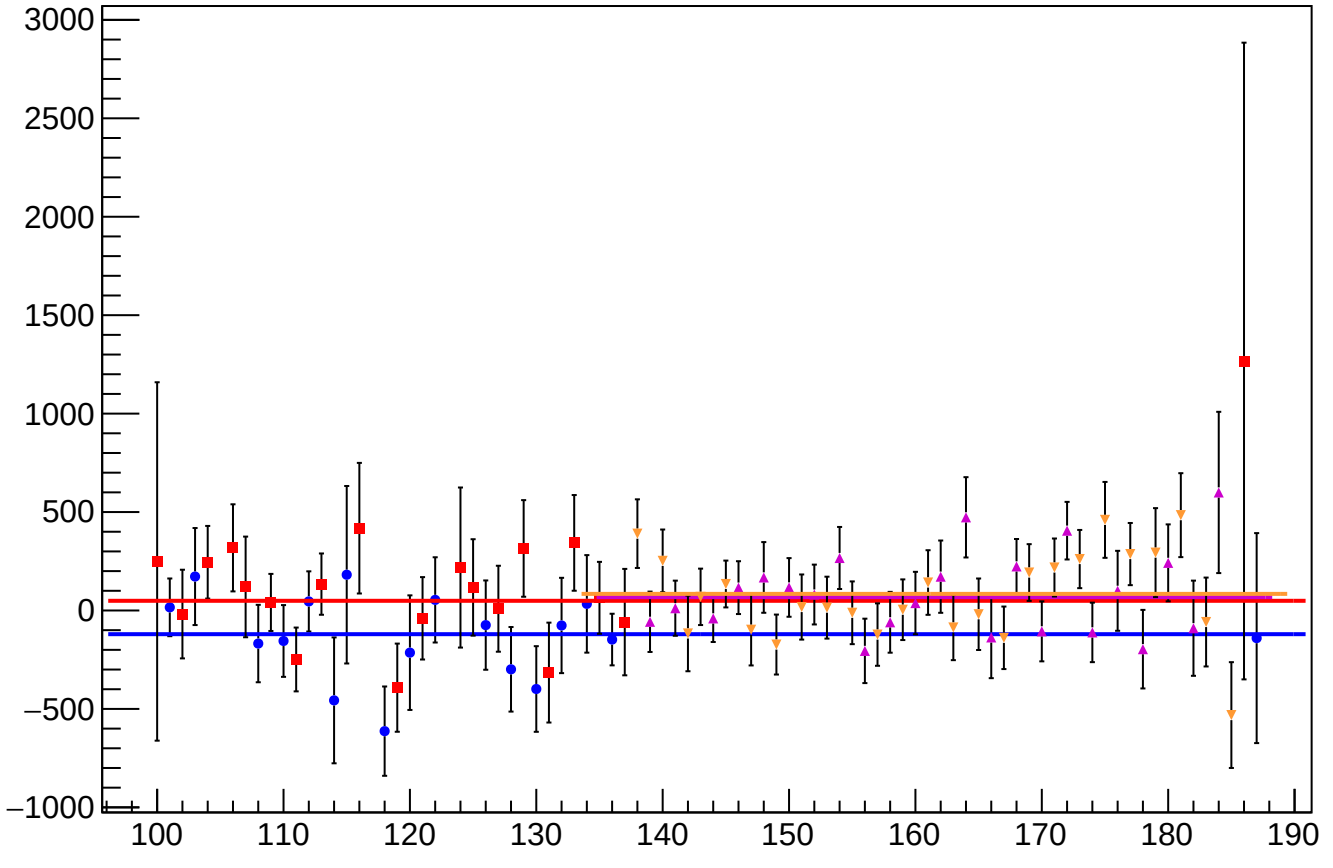
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1254.844+/-0.242 χ^2/NDF: 3364468.0/36

In: 1136.545+/-0.163 χ^2/NDF:2321782.7/39

Out: 1120.753+/-0.157 χ^2/NDF:3012304.7/44

All: 1128.364+/-0.113 χ^2/NDF: 5338972.2/84



Right In: -120.352+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 49.173+/-49.895 χ^2/NDF: 17.5/19

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

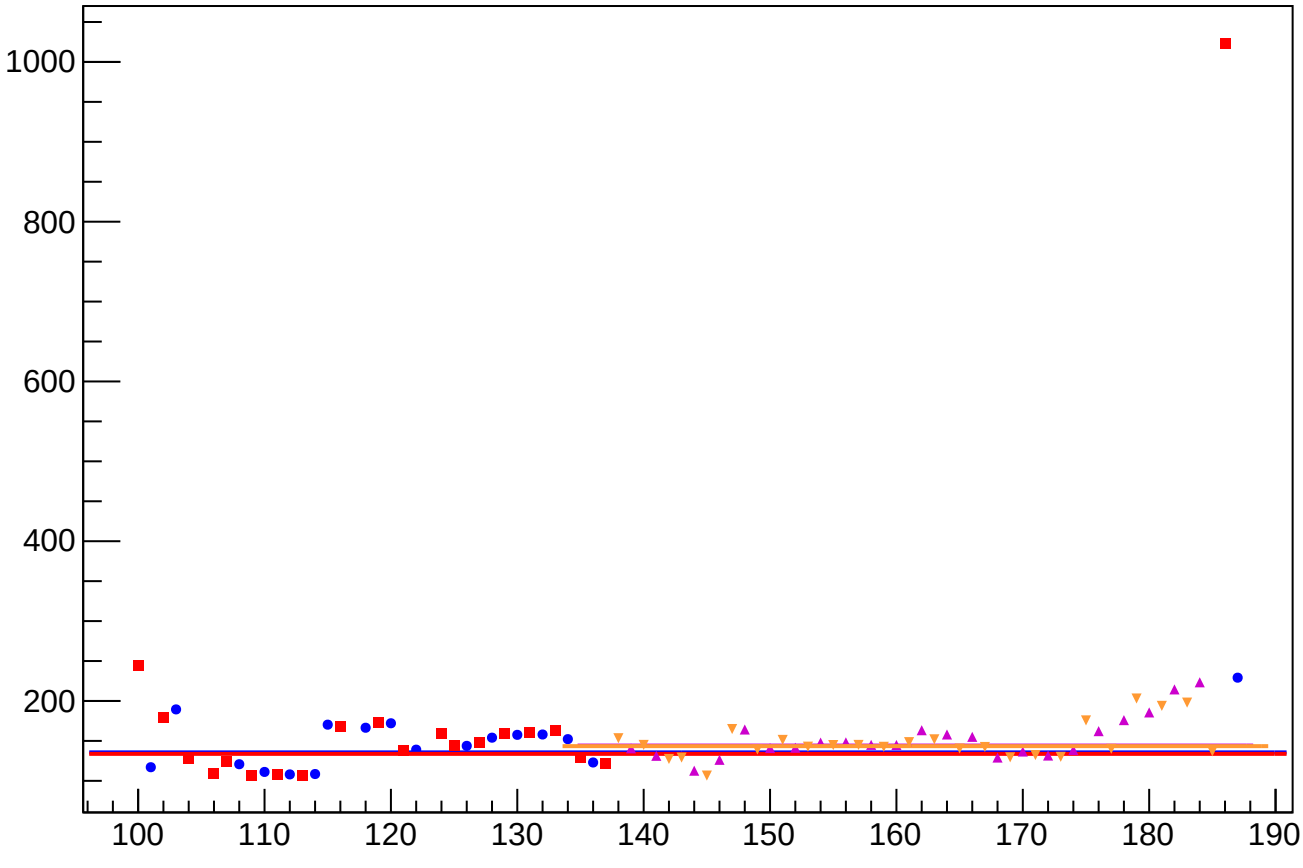
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -33.949+/-35.621 χ^2/NDF: 36.6/36

In: 9.274+/-28.346 χ^2/NDF:49.3/39

Out: 73.621+/-27.545 χ^2/NDF:51.7/44

All: 42.369+/-19.754 χ^2/NDF: 103.7/84



Right In: 135.630+/-0.036 χ^2/NDF: 478863.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 133.794+/-0.035 χ^2/NDF: 1104136.4/19

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

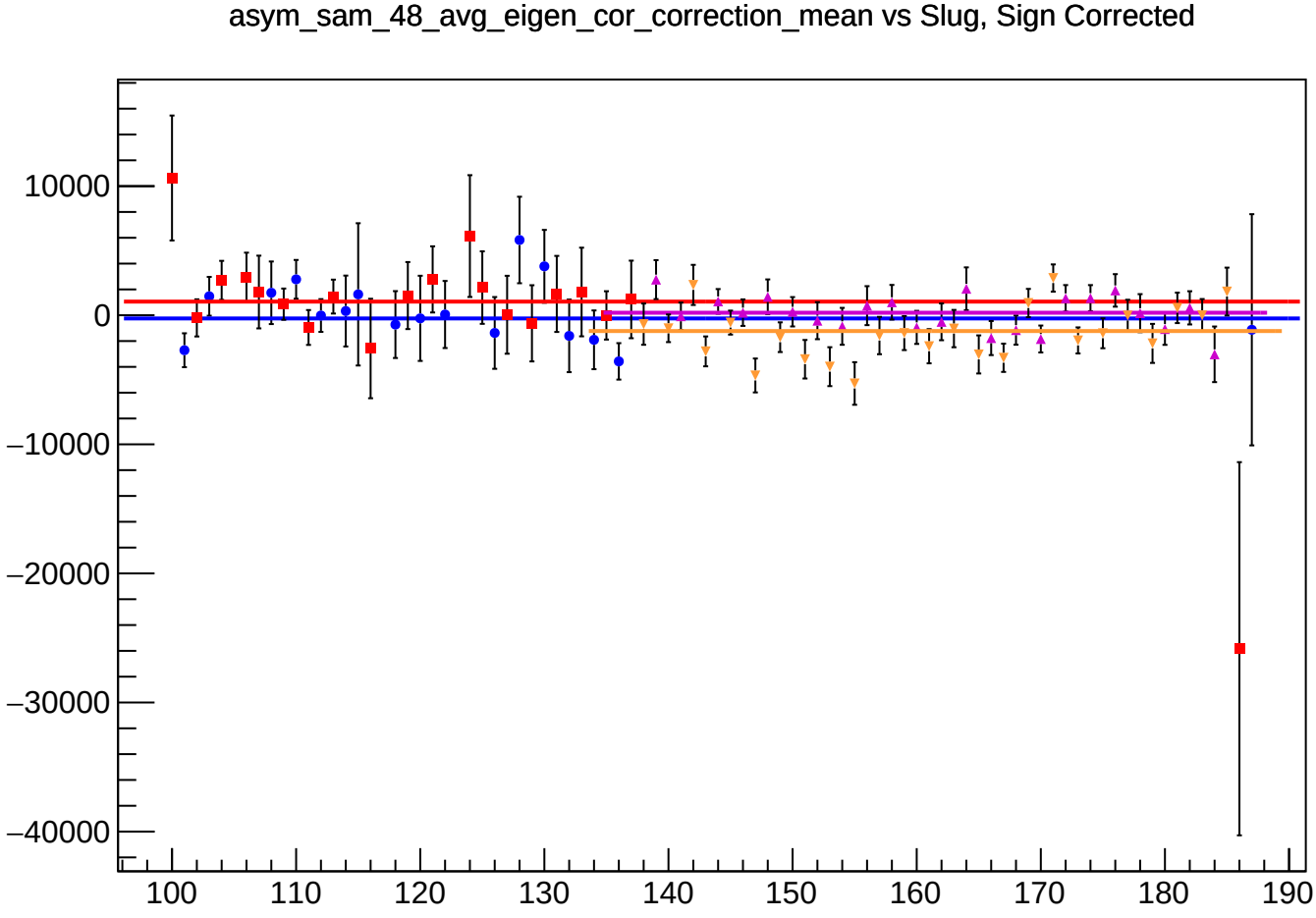
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 134.694+/-0.025 χ^2/NDF: 1584326.8/36

In: 141.519+/-0.020 χ^2/NDF:1220446.1/39

Out: 140.503+/-0.019 χ^2/NDF:1903179.9/44

All: 140.996+/-0.014 χ^2/NDF: 3124947.4/84



Right In: -249.180+/-500.634 χ^2/NDF: 21.6/16

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1055.744+/-469.076 χ^2/NDF: 16.3/19

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

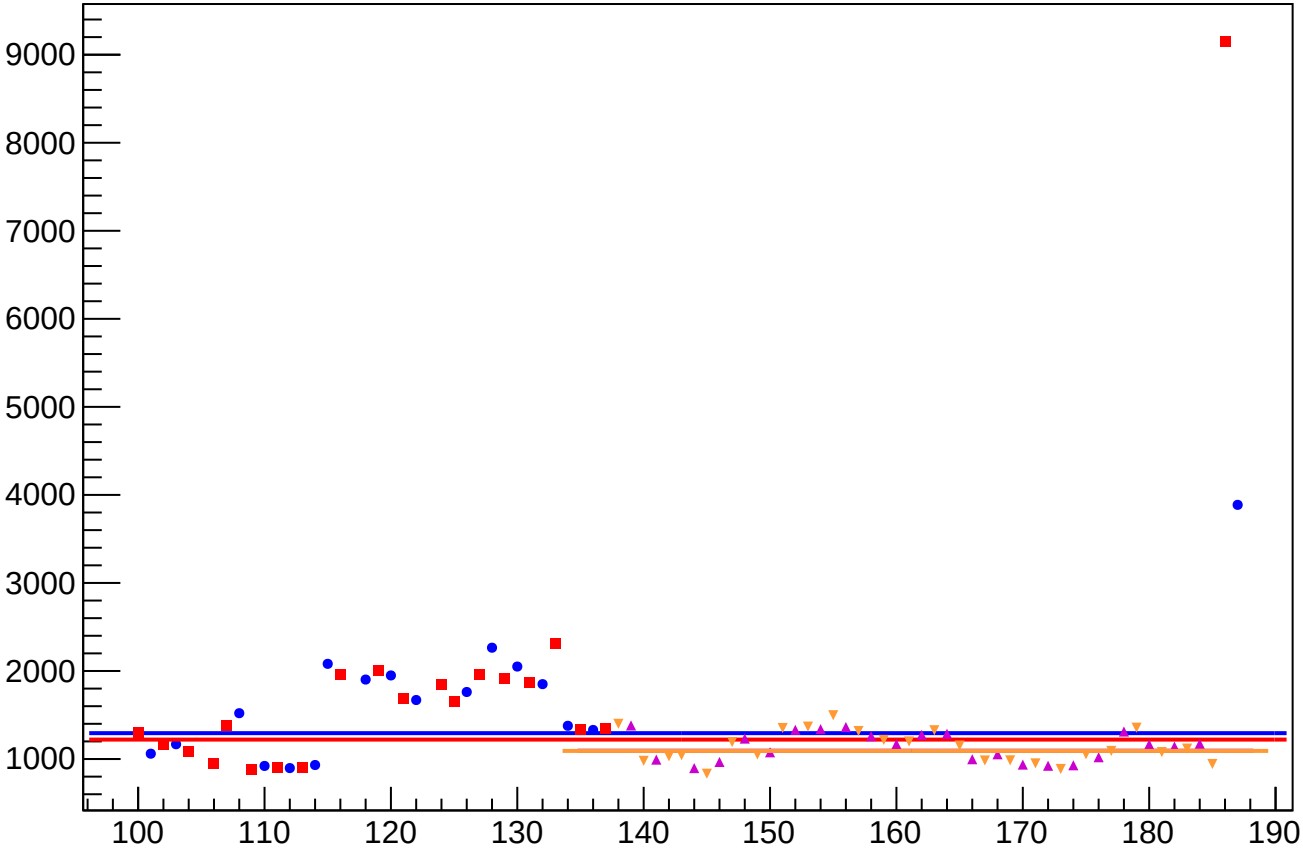
Right: 445.704+/-342.300 χ^2/NDF: 41.5/36

In: 100.322+/-229.984 χ^2/NDF:45.5/39

Out: -714.936+/-221.834 χ^2/NDF:93.9/44

All: -322.008+/-159.664 χ^2/NDF: 145.9/84

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1293.812+/-0.354 χ^2/NDF: 1338653.6/16

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1220.635+/-0.332 χ^2/NDF: 2003059.7/19

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

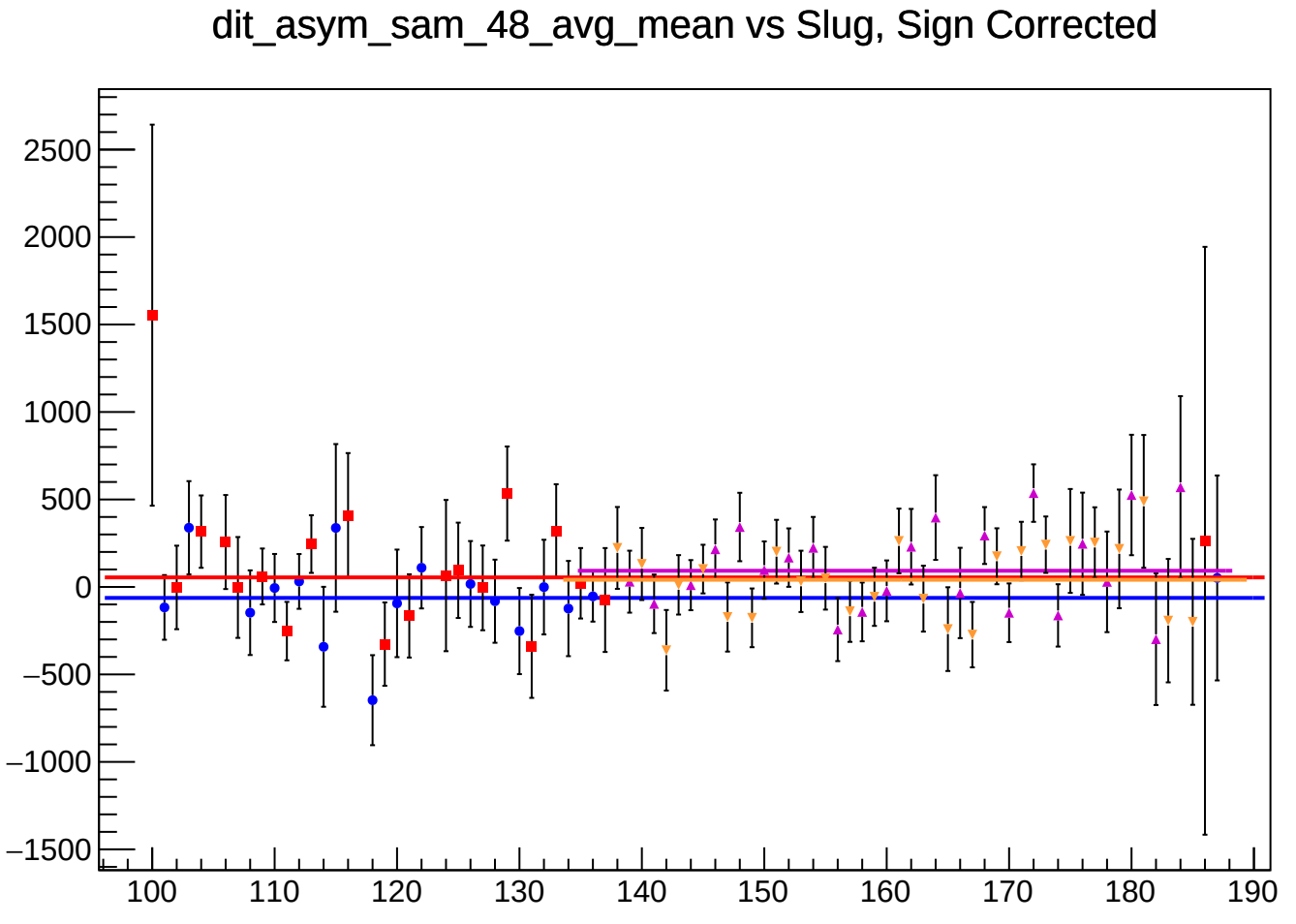
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1254.844+/-0.242 χ^2/NDF: 3364468.0/36

In: 1136.545+/-0.163 χ^2/NDF:2321782.7/39

Out: 1120.753+/-0.157 χ^2/NDF:3012304.7/44

All: 1128.364+/-0.113 χ^2/NDF: 5338972.2/84



Right In: -62.711+/-56.469 χ^2/NDF: 10.9/16

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 54.527+/-54.714 χ^2/NDF: 19.5/19

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

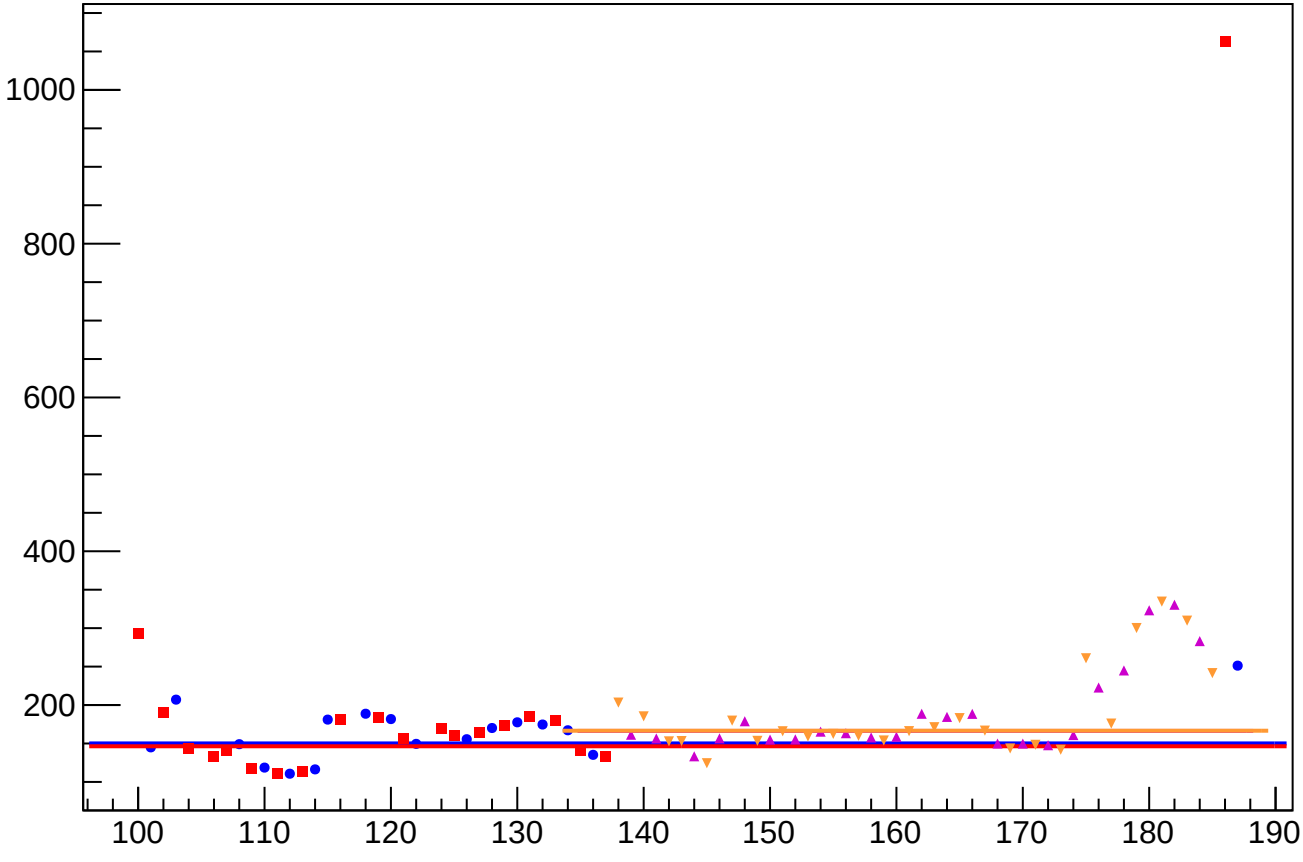
Right: -2.241+/-39.294 χ^2/NDF: 32.6/36

In: 40.394+/-32.730 χ^2/NDF:45.4/39

Out: 45.642+/-31.853 χ^2/NDF:41.9/44

All: 43.089+/-22.827 χ^2/NDF: 87.3/84

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 150.079+/-0.040 χ^2/NDF: 511200.9/16

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 146.372+/-0.039 χ^2/NDF: 1121561.7/19

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

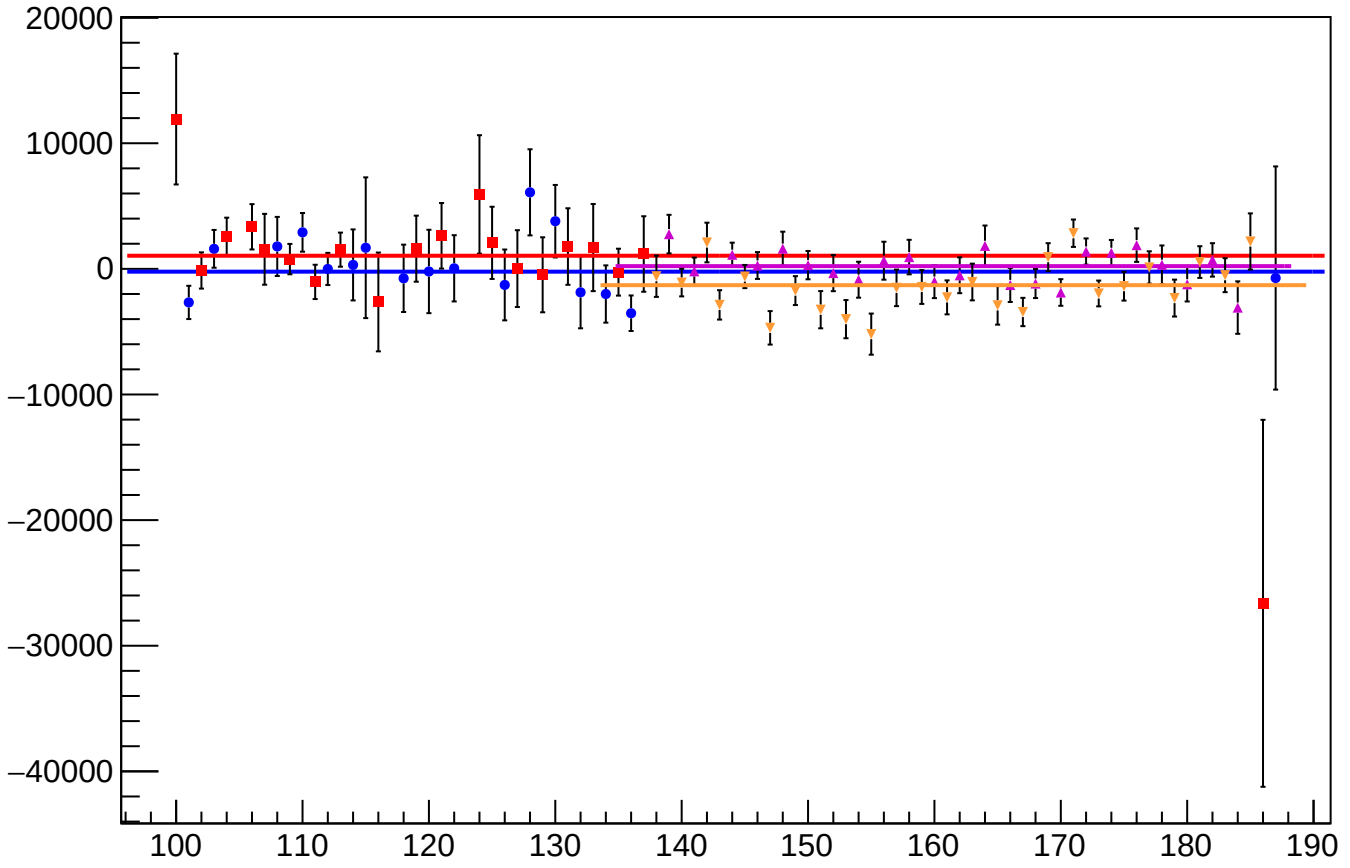
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 148.167+/-0.028 χ^2/NDF: 1637208.4/36

In: 160.856+/-0.023 χ^2/NDF:2013360.8/39

Out: 159.743+/-0.023 χ^2/NDF:3022082.2/44

All: 160.284+/-0.016 χ^2/NDF: 5036630.4/84



Right In: -222.880+/-505.382 χ^2/NDF: 21.9/16

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1045.441+/-472.569 χ^2/NDF: 17.2/19

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

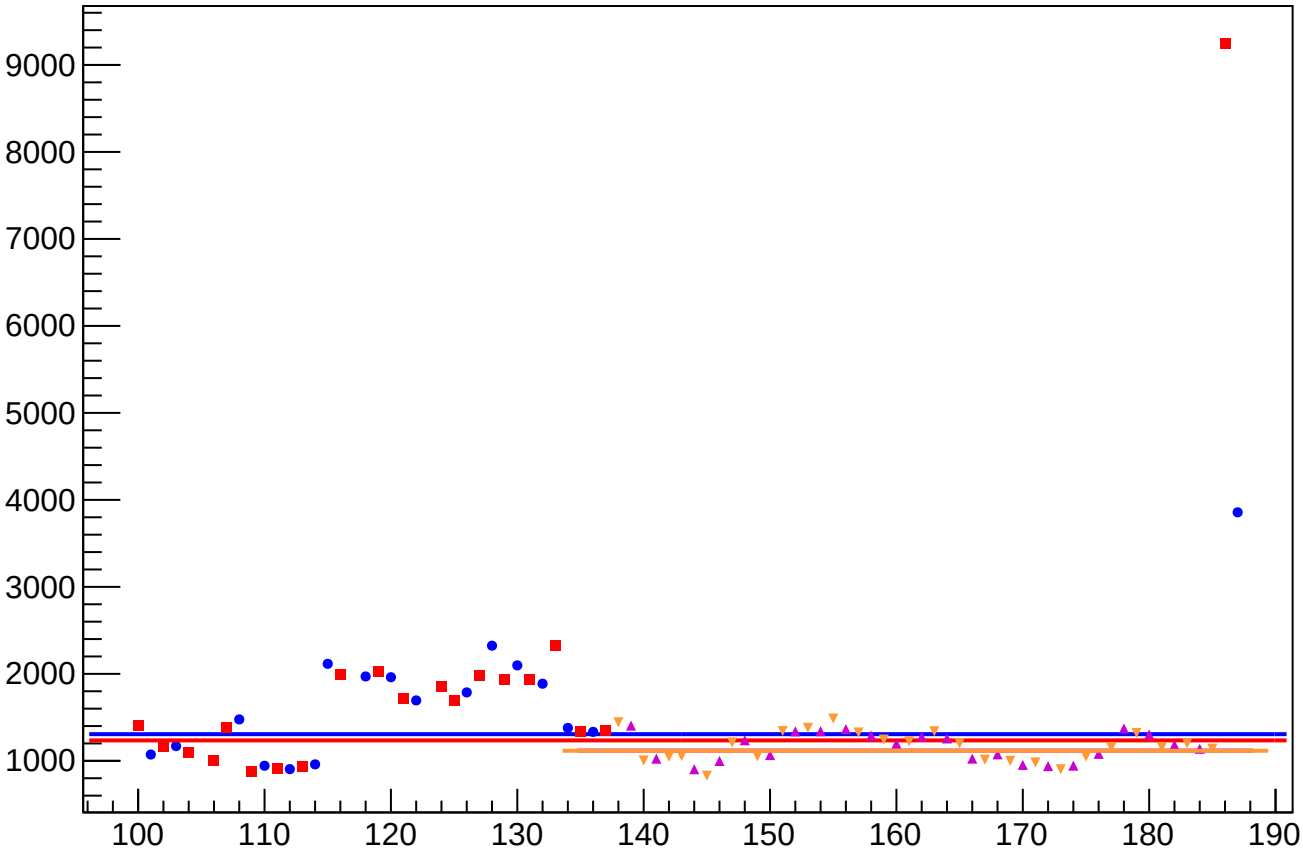
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 453.788+/-345.174 χ^2/NDF: 42.4/36

In: 122.705+/-234.267 χ^2/NDF:44.7/39

Out: -763.489+/-225.746 χ^2/NDF:91.3/44

All: -336.801+/-162.556 χ^2/NDF: 143.4/84



Right In: 1306.576+/-0.357 χ^2/NDF: 1347555.2/16

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1235.123+/-0.334 χ^2/NDF: 2006727.9/19

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

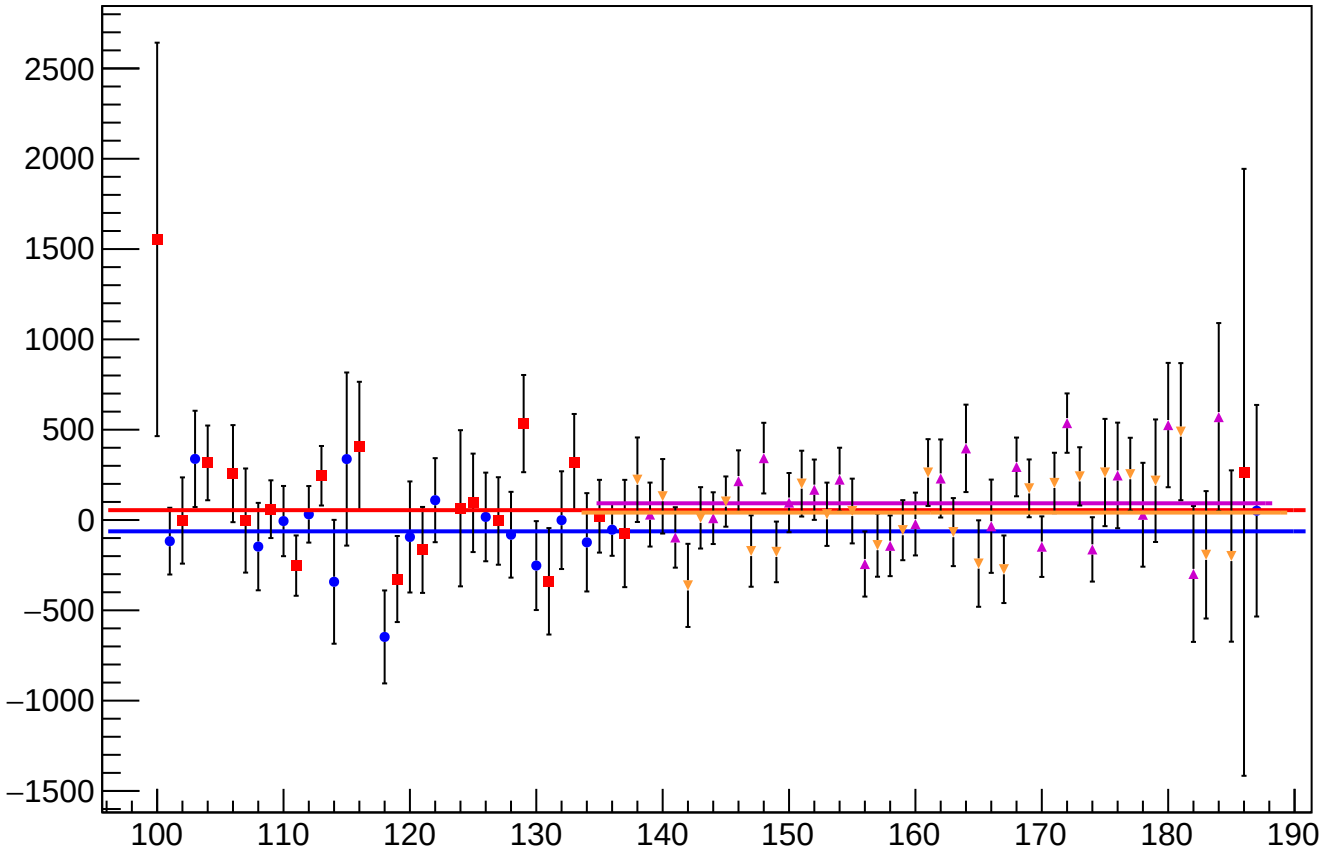
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1268.455+/-0.244 χ^2/NDF: 3375613.0/36

In: 1158.388+/-0.166 χ^2/NDF:2295961.7/39

Out: 1143.209+/-0.160 χ^2/NDF:2972245.0/44

All: 1150.518+/-0.115 χ^2/NDF: 5272559.9/84



Right In: -62.708+/-56.469 χ^2/NDF: 10.9/16

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 54.527+/-54.714 χ^2/NDF: 19.5/19

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

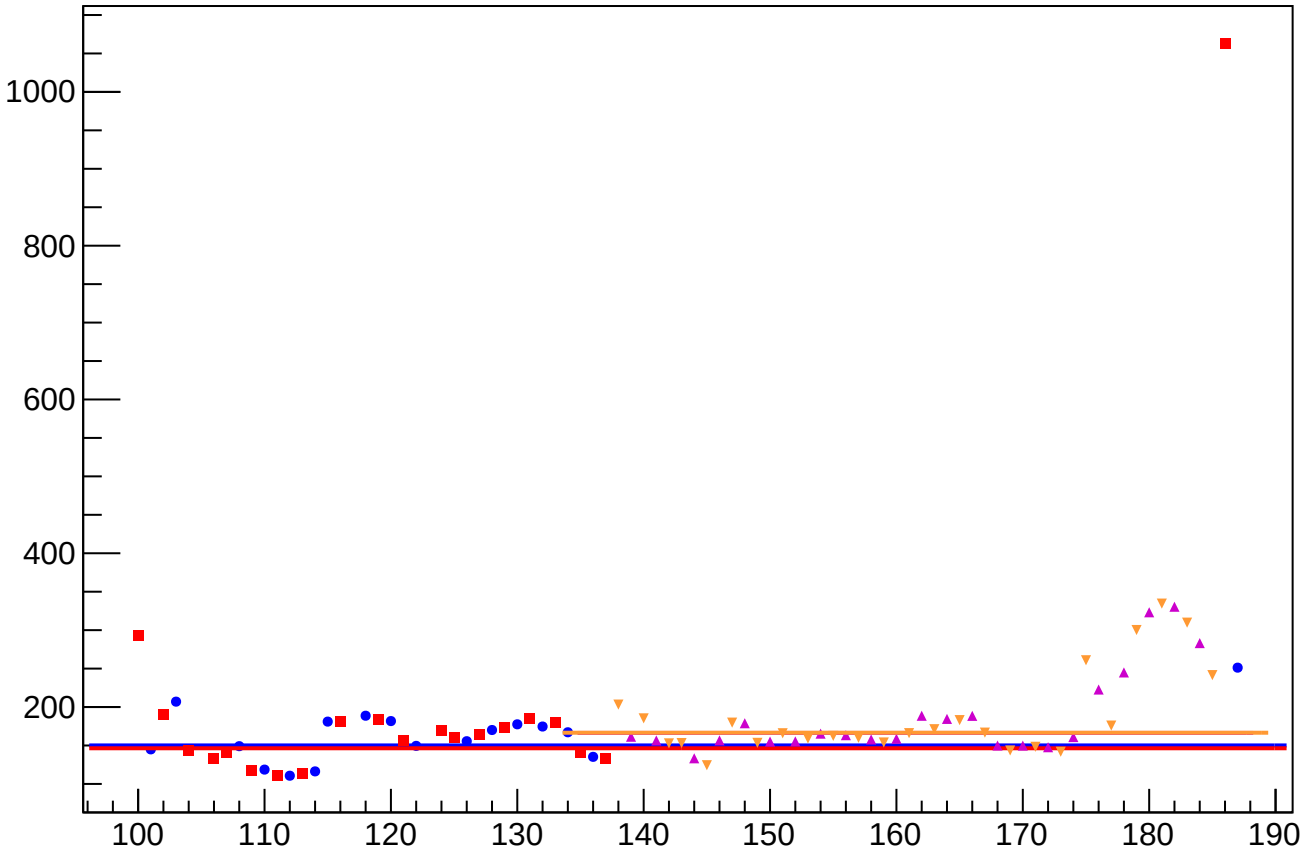
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -2.240+/-39.294 χ^2/NDF: 32.6/36

In: 40.395+/-32.730 χ^2/NDF:45.4/39

Out: 45.643+/-31.853 χ^2/NDF:41.9/44

All: 43.090+/-22.827 χ^2/NDF: 87.3/84



Right In: 150.079+/-0.040 χ^2/NDF: 511203.1/16

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 146.372+/-0.039 χ^2/NDF: 1121563.2/19

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

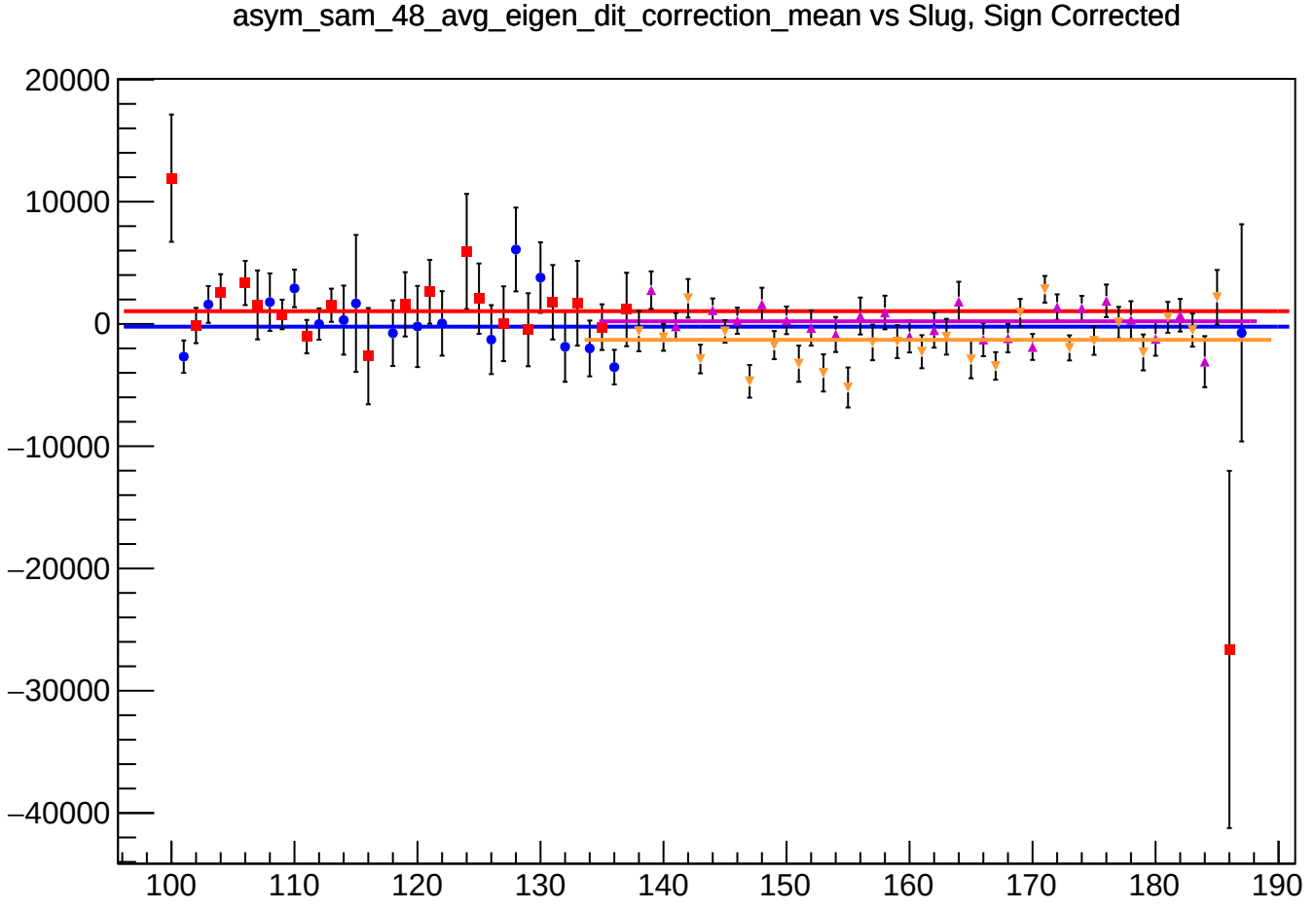
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 148.167+/-0.028 χ^2/NDF: 1637212.1/36

In: 160.856+/-0.023 χ^2/NDF:2013346.0/39

Out: 159.743+/-0.023 χ^2/NDF:3022082.9/44

All: 160.285+/-0.016 χ^2/NDF: 5036616.3/84



Right In: -222.880+/-505.381 χ^2/NDF: 21.9/16

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1045.440+/-472.568 χ^2/NDF: 17.2/19

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

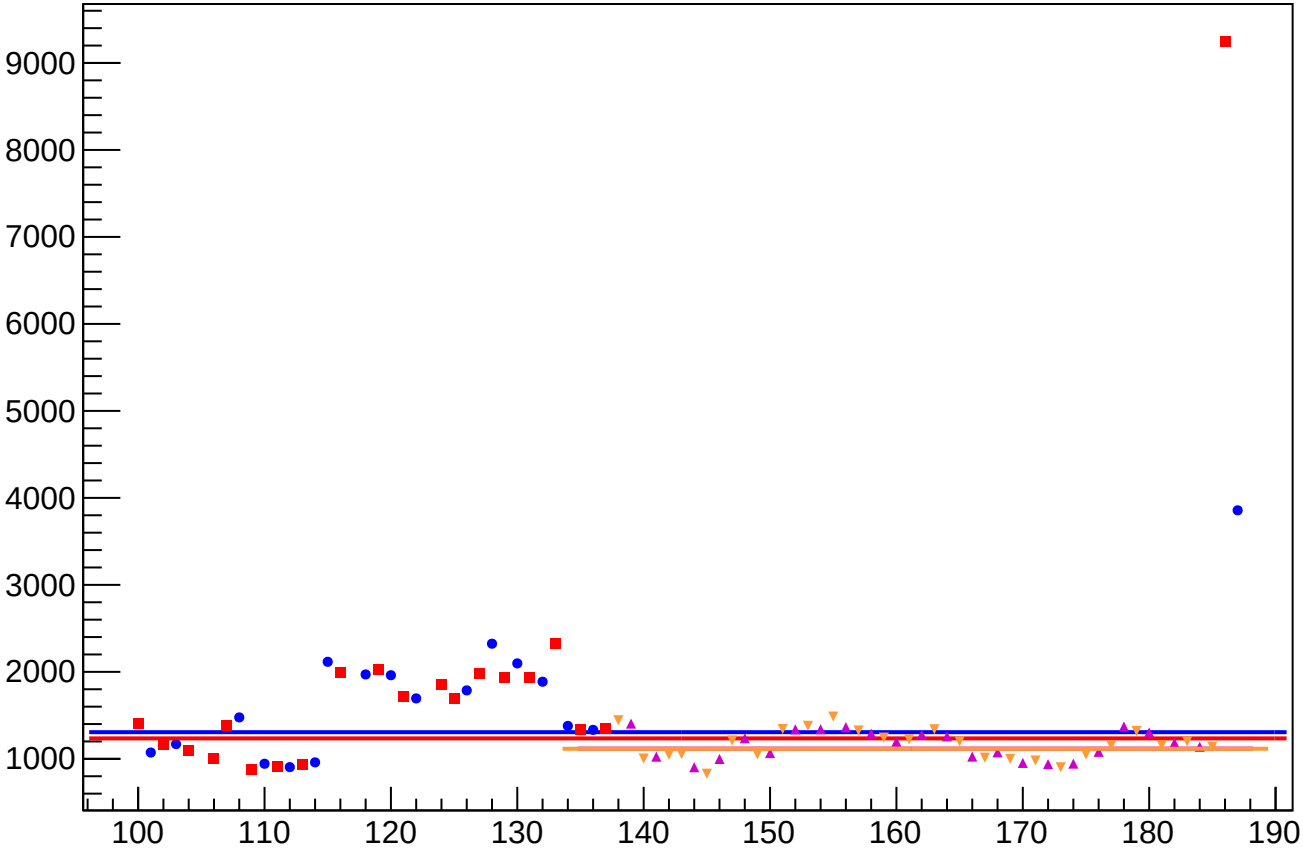
Right: 453.788+/-345.174 χ^2/NDF: 42.4/36

In: 122.704+/-234.267 χ^2/NDF:44.7/39

Out: -763.488+/-225.746 χ^2/NDF:91.3/44

All: -336.801+/-162.555 χ^2/NDF: 143.4/84

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1306.575+/-0.357 χ^2/NDF: 1347559.2/16

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1235.121+/-0.334 χ^2/NDF: 2006730.6/19

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

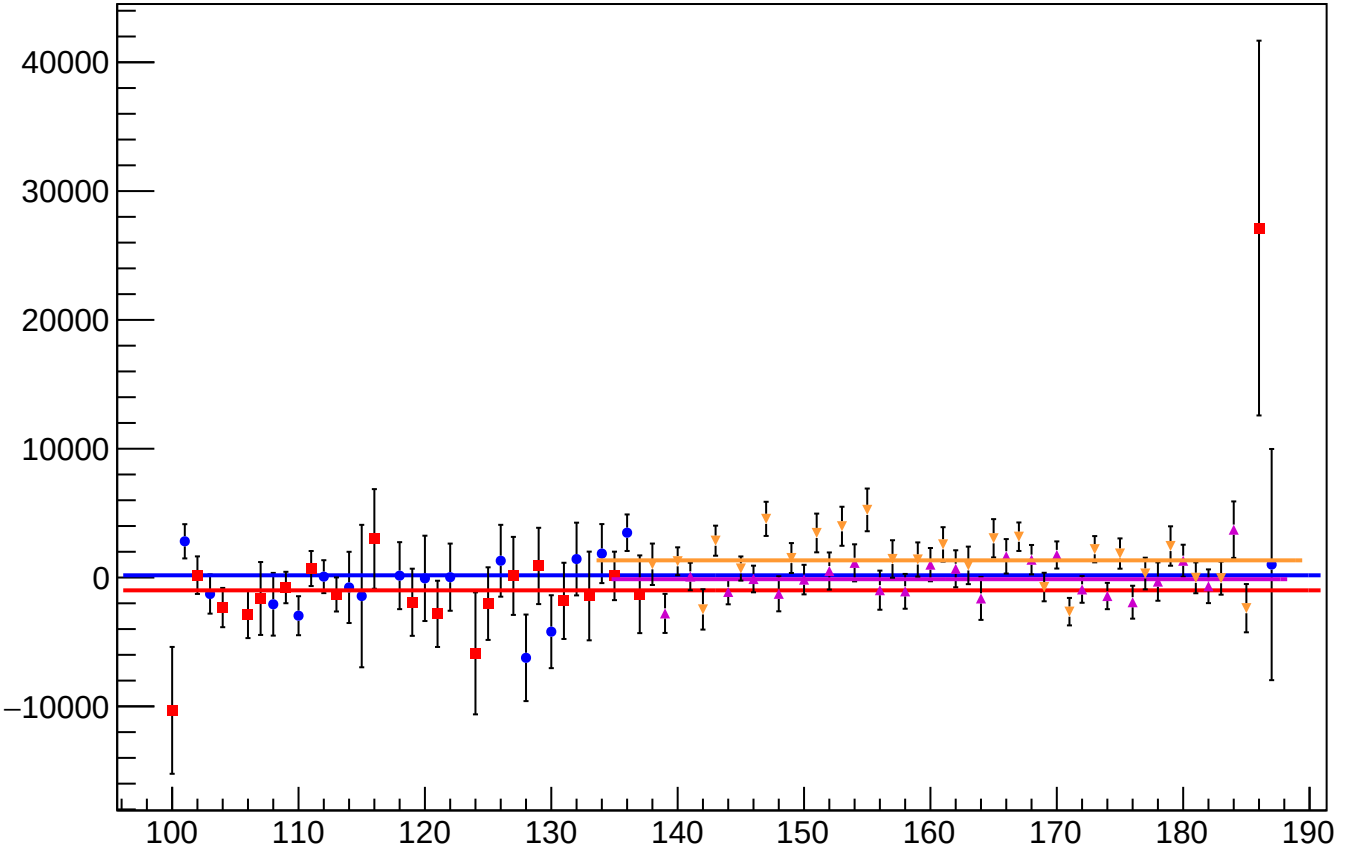
Right: 1268.453+/-0.244 χ^2/NDF: 3375619.7/36

In: 1158.386+/-0.166 χ^2/NDF:2295966.2/39

Out: 1143.208+/-0.160 χ^2/NDF:2972250.9/44

All: 1150.516+/-0.115 χ^2/NDF: 5272570.3/84

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 173.698+/-504.337 χ^2/NDF: 22.6/16

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -994.091+/-471.760 χ^2/NDF: 15.3/19

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

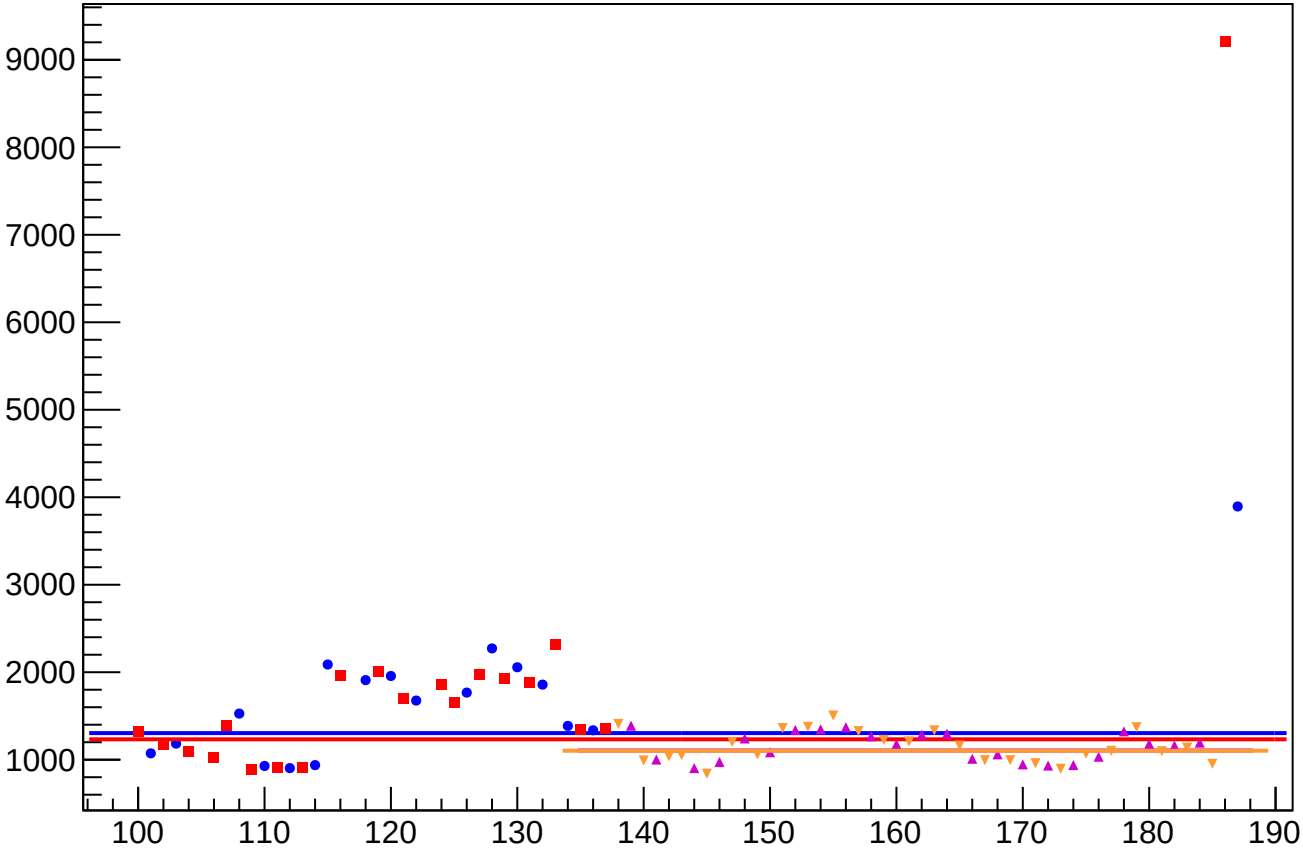
Right: -449.128+/-344.526 χ^2/NDF: 40.7/36

In: -64.398+/-232.090 χ^2/NDF:46.9/39

Out: 810.741+/-223.772 χ^2/NDF:89.9/44

All: 389.134+/-161.091 χ^2/NDF: 144.1/84

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1304.197+/-0.357 χ^2/NDF: 1321417.0/16

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1233.268+/-0.334 χ^2/NDF: 1973039.0/19

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

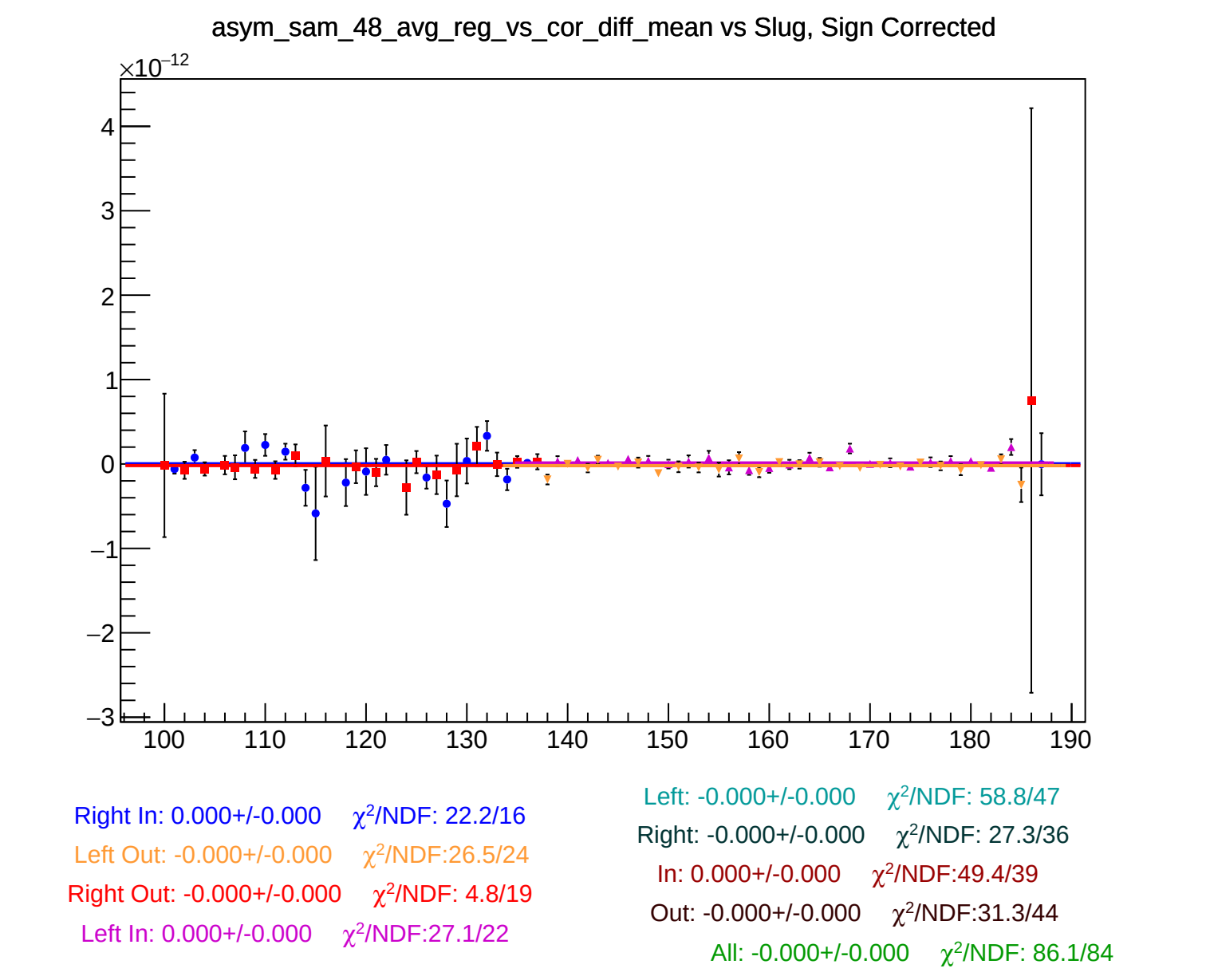
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

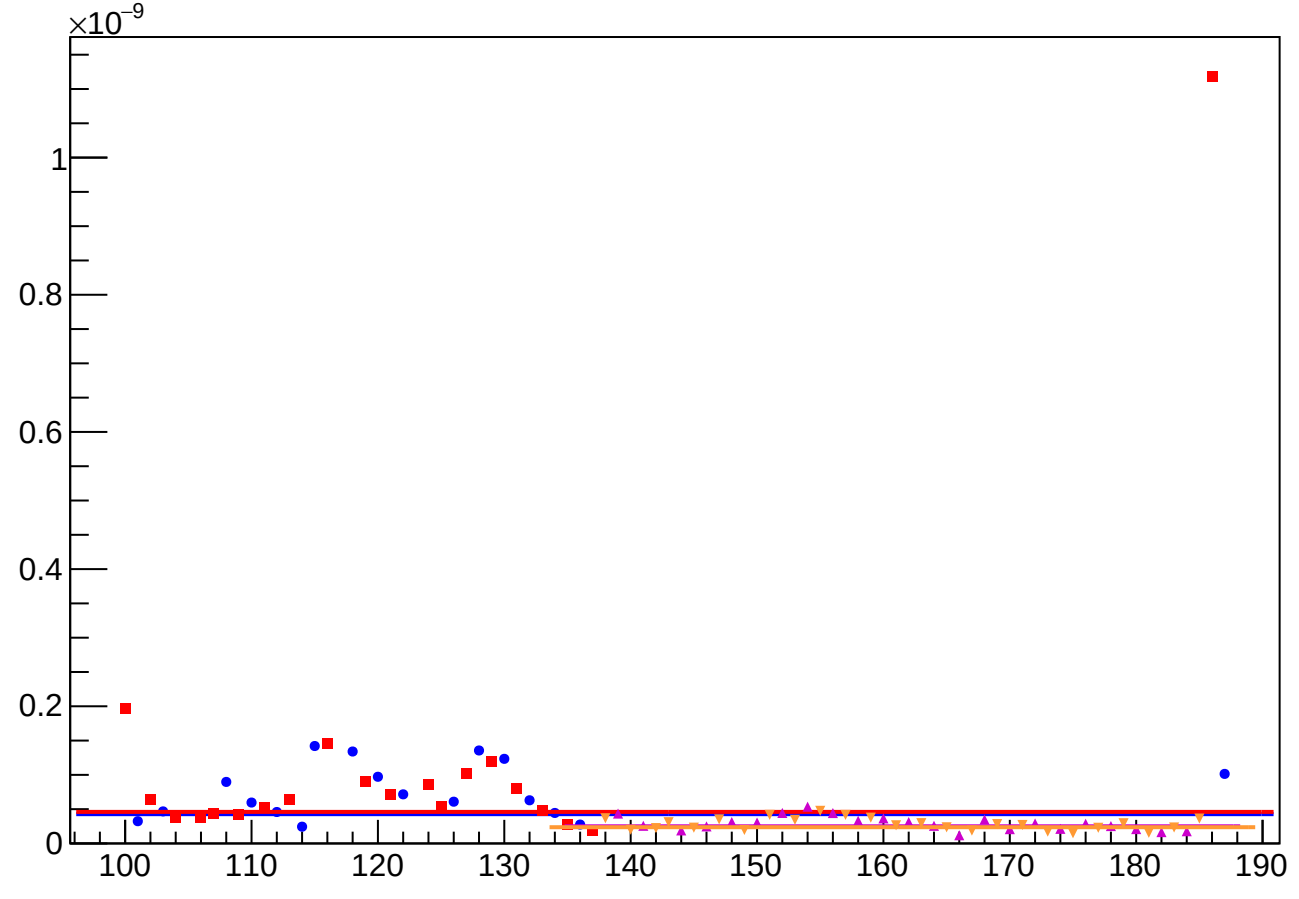
Right: 1266.368+/-0.244 χ^2/NDF: 3315553.8/36

In: 1147.342+/-0.164 χ^2/NDF:2290154.8/39

Out: 1132.077+/-0.158 χ^2/NDF:2972239.0/44

All: 1139.431+/-0.114 χ^2/NDF: 5266877.4/84


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 22.2/16
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 4.8/19
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 27.3/36
In: 0.000+/-0.000 χ²/NDF:49.4/39
Out: -0.000+/-0.000 χ²/NDF:31.3/44
All: -0.000+/-0.000 χ²/NDF: 86.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 1392406.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1310230.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

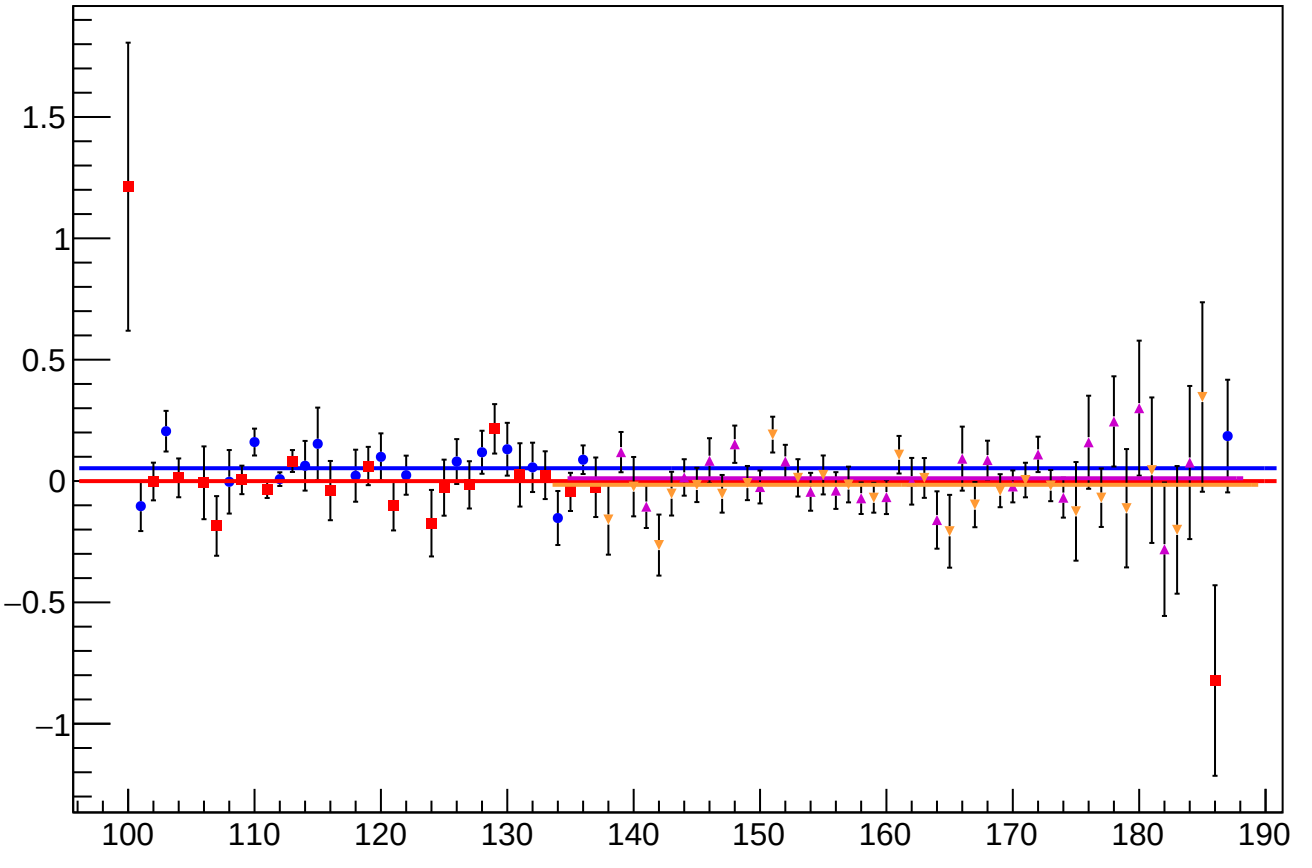
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 2716858.0/36

In: 0.000+/-0.000 χ^2/NDF:3700791.7/39

Out: 0.000+/-0.000 χ^2/NDF:3831975.4/44

All: 0.000+/-0.000 χ^2/NDF: 7560718.3/84



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.000+/-0.018 χ^2/NDF: 23.6/19

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

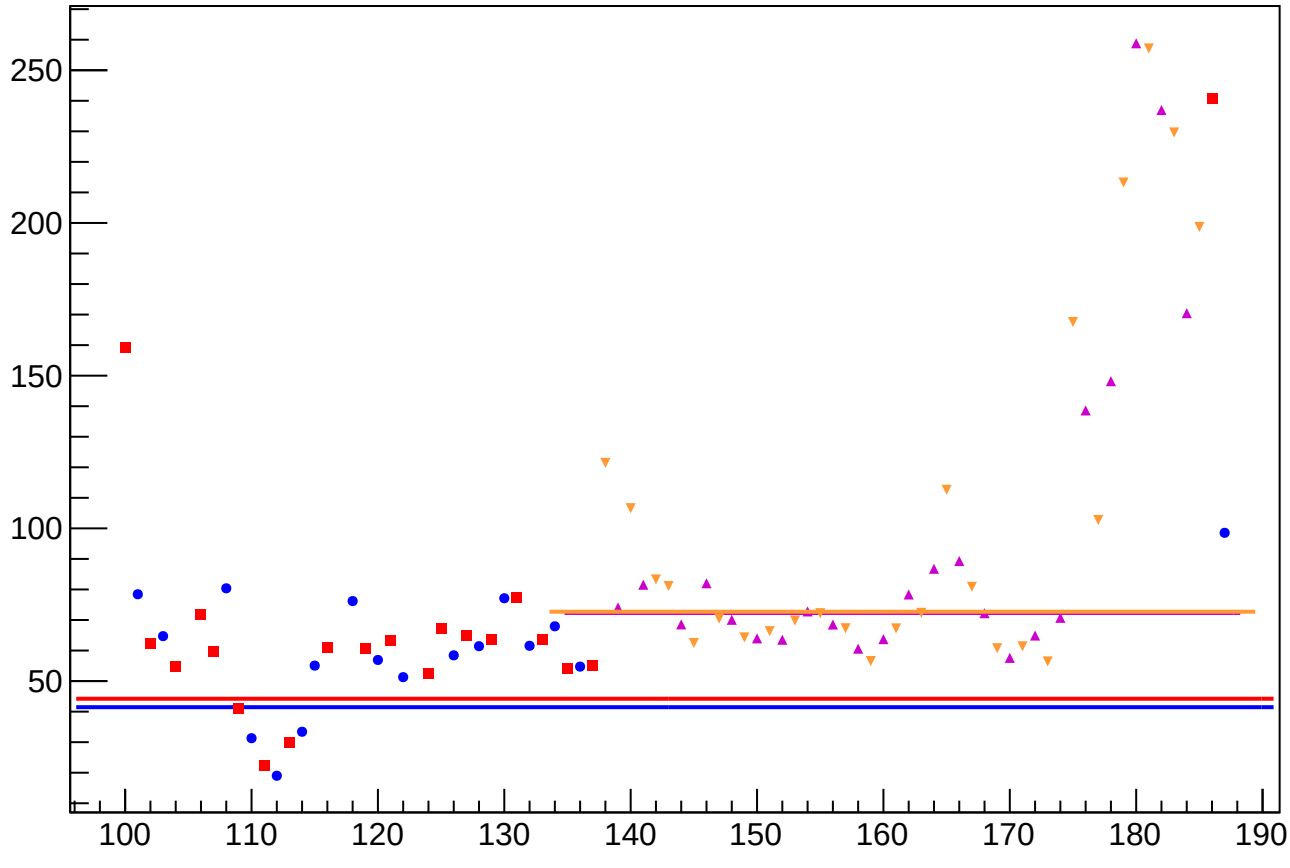
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.027+/-0.013 χ^2/NDF: 46.4/36

In: 0.033+/-0.013 χ^2/NDF:44.3/39

Out: -0.008+/-0.013 χ^2/NDF:45.6/44

All: 0.012+/-0.009 χ^2/NDF: 95.0/84



Right In: 41.455+/-0.013 χ^2/NDF: 3047078.4/16

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 44.223+/-0.013 χ^2/NDF: 2550941.6/19

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

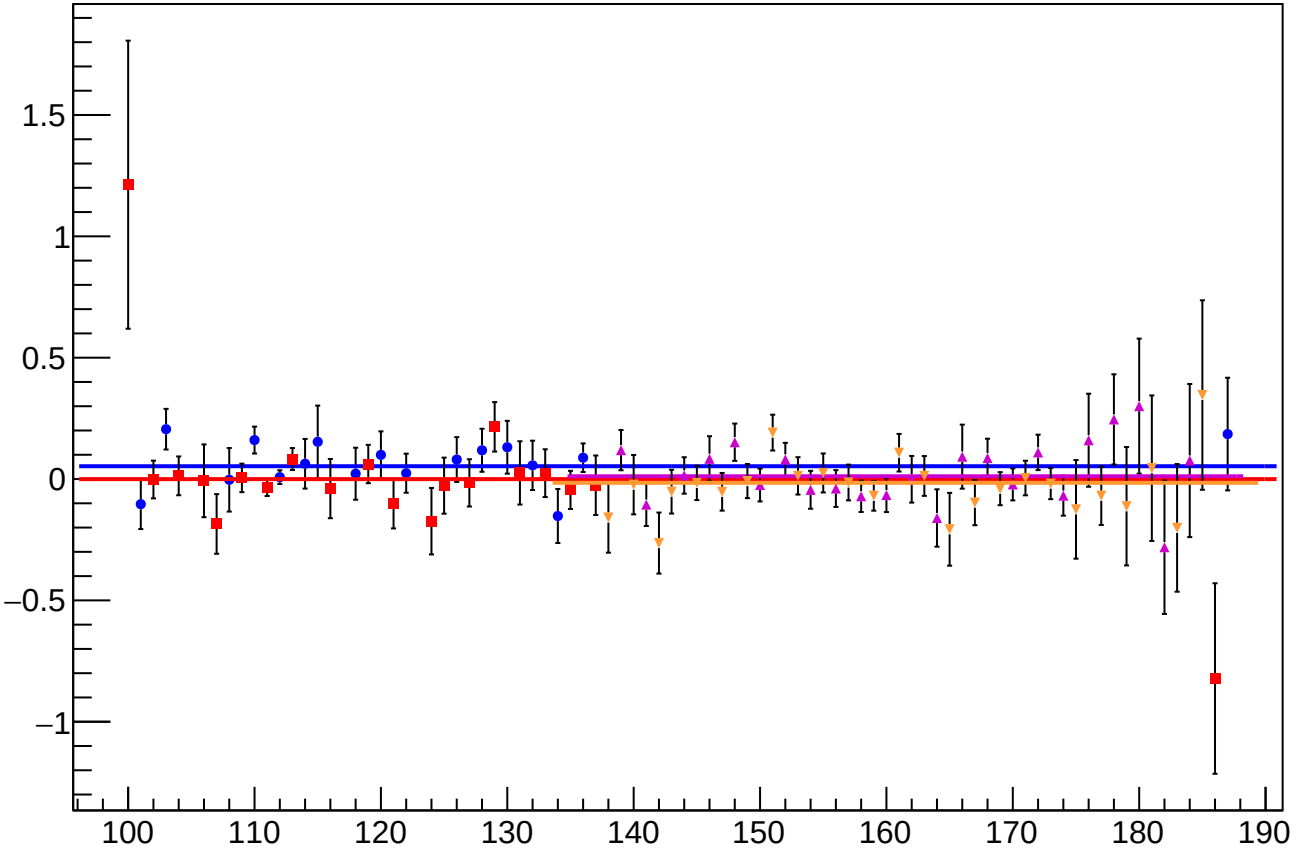
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 42.825+/-0.009 χ^2/NDF: 5622167.5/36

In: 56.418+/-0.009 χ^2/NDF:8776742.6/39

Out: 58.428+/-0.009 χ^2/NDF:9035761.0/44

All: 57.425+/-0.006 χ^2/NDF: 17837544.4/84



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.000+/-0.018 χ^2/NDF: 23.6/19

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

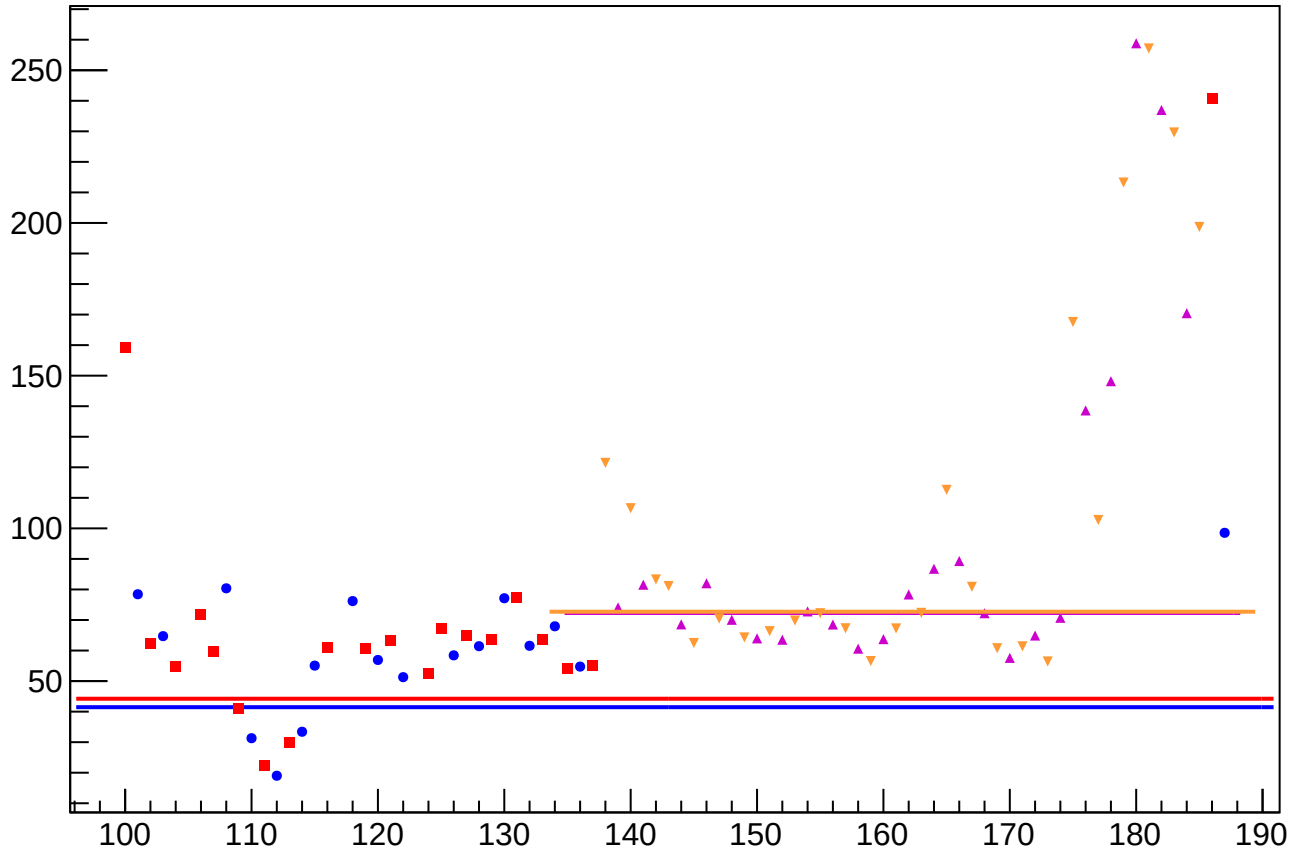
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.027+/-0.013 χ^2/NDF: 46.4/36

In: 0.033+/-0.013 χ^2/NDF:44.3/39

Out: -0.008+/-0.013 χ^2/NDF:45.6/44

All: 0.012+/-0.009 χ^2/NDF: 95.0/84



Right In: 41.455+/-0.013 χ^2/NDF: 3047078.4/16

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 44.223+/-0.013 χ^2/NDF: 2550941.6/19

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

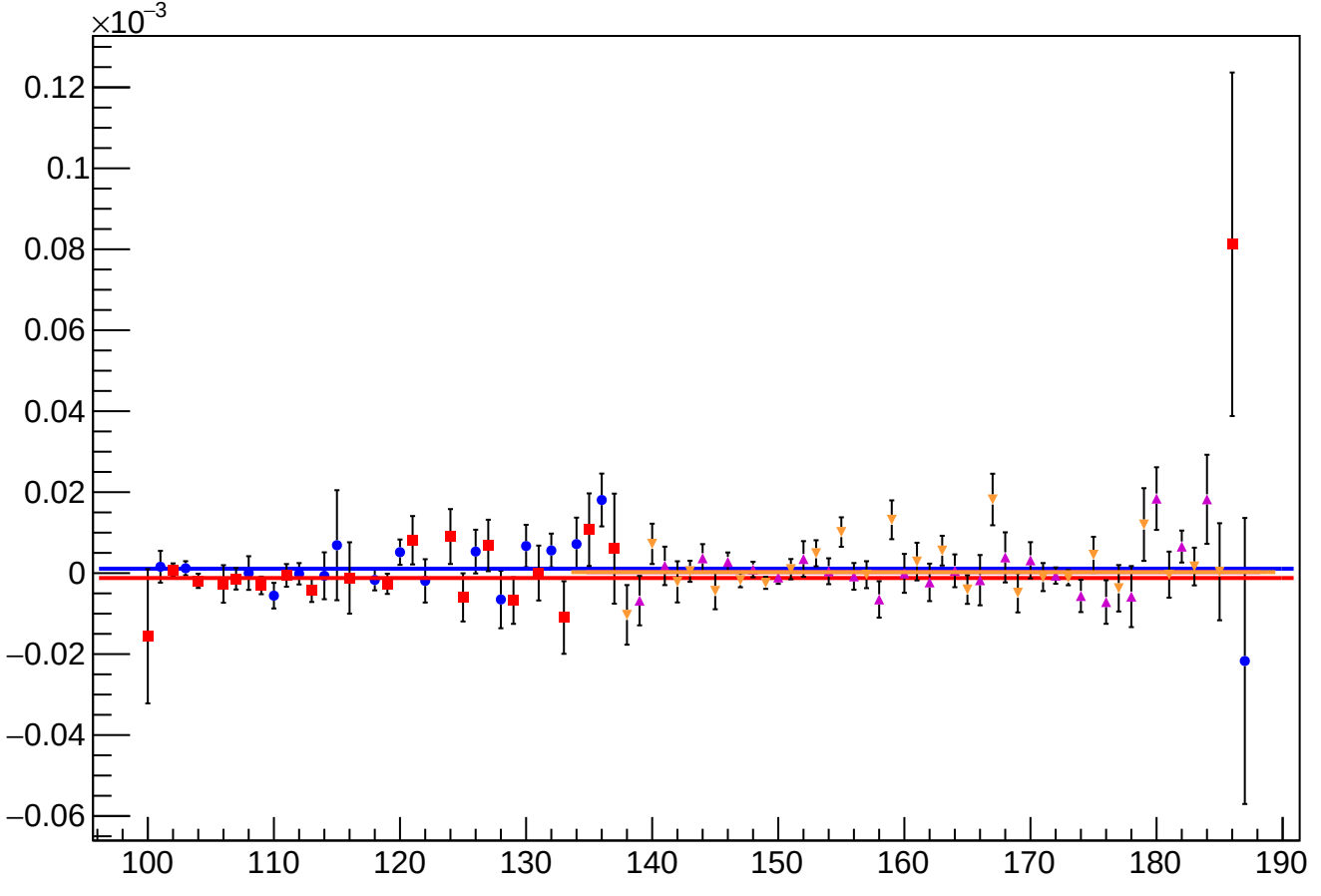
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 42.825+/-0.009 χ^2/NDF: 5622167.5/36

In: 56.418+/-0.009 χ^2/NDF:8776742.6/39

Out: 58.428+/-0.009 χ^2/NDF:9035761.0/44

All: 57.425+/-0.006 χ^2/NDF: 17837544.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/19

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

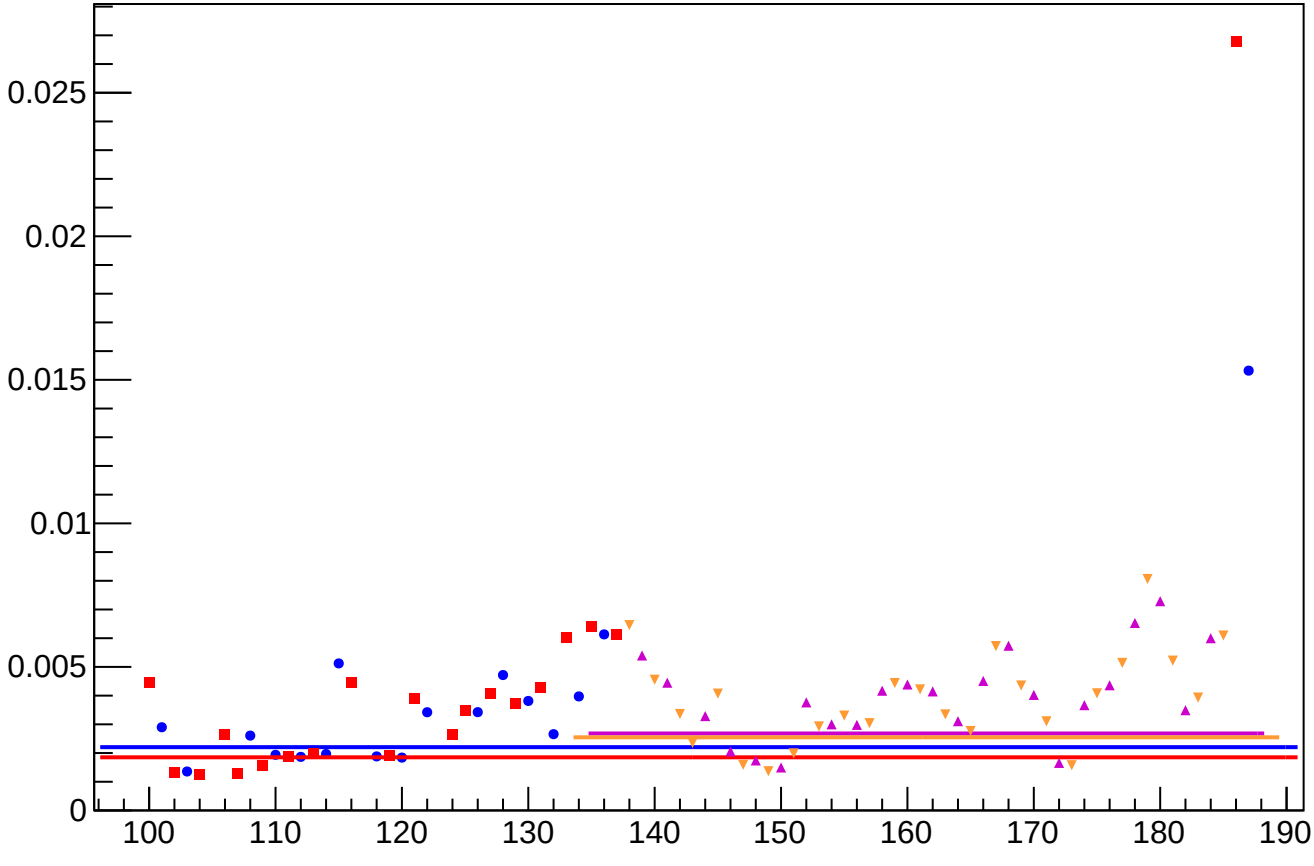
Right: -0.000+/-0.000 χ^2/NDF: 43.8/36

In: 0.000+/-0.000 χ^2/NDF:44.9/39

Out: -0.000+/-0.000 χ^2/NDF:65.2/44

All: 0.000+/-0.000 χ^2/NDF: 111.7/84

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2568700.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3828446.5/19

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

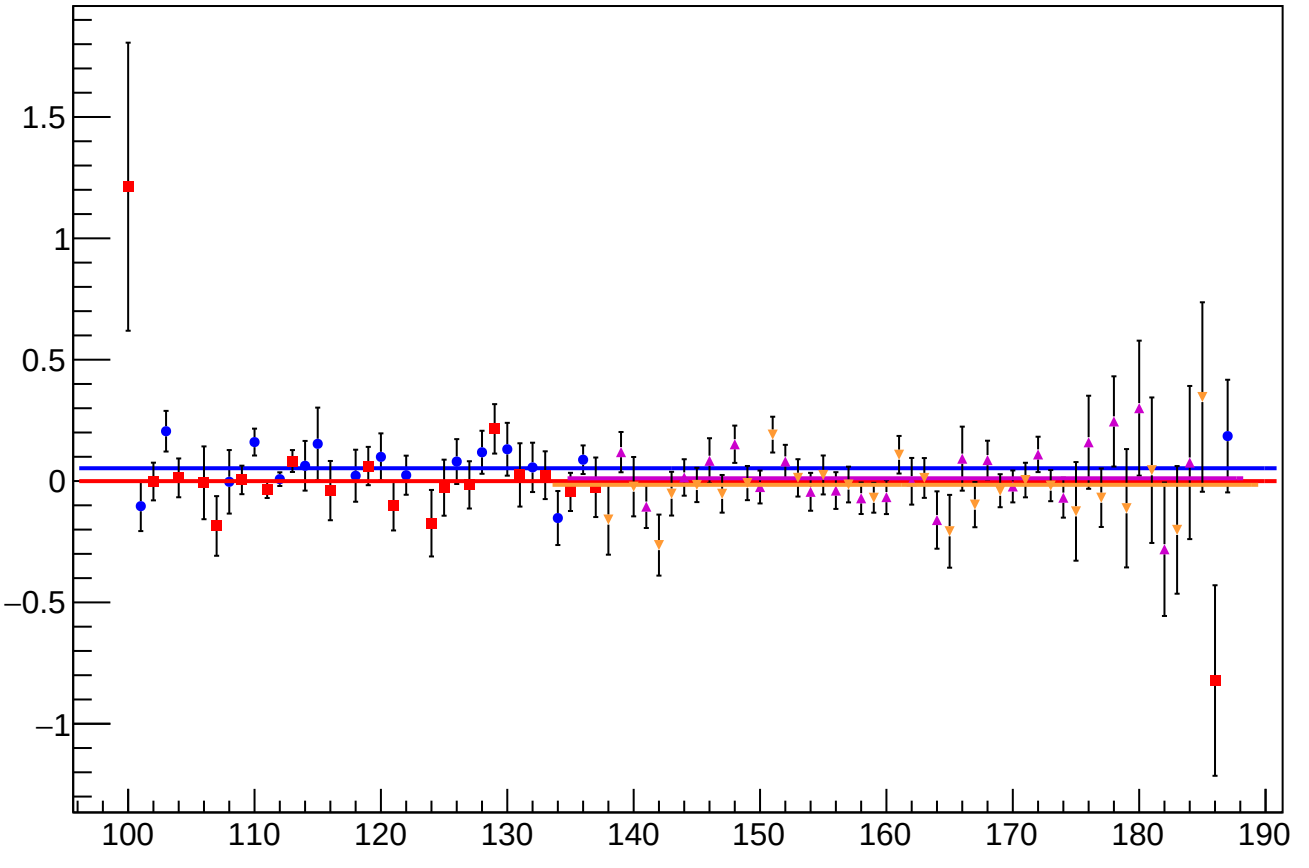
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 6575105.5/36

In: 0.003+/-0.000 χ^2/NDF:9415650.4/39

Out: 0.002+/-0.000 χ^2/NDF:12286323.7/44

All: 0.002+/-0.000 χ^2/NDF: 21923869.2/84



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.000+/-0.018 χ^2/NDF: 23.6/19

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

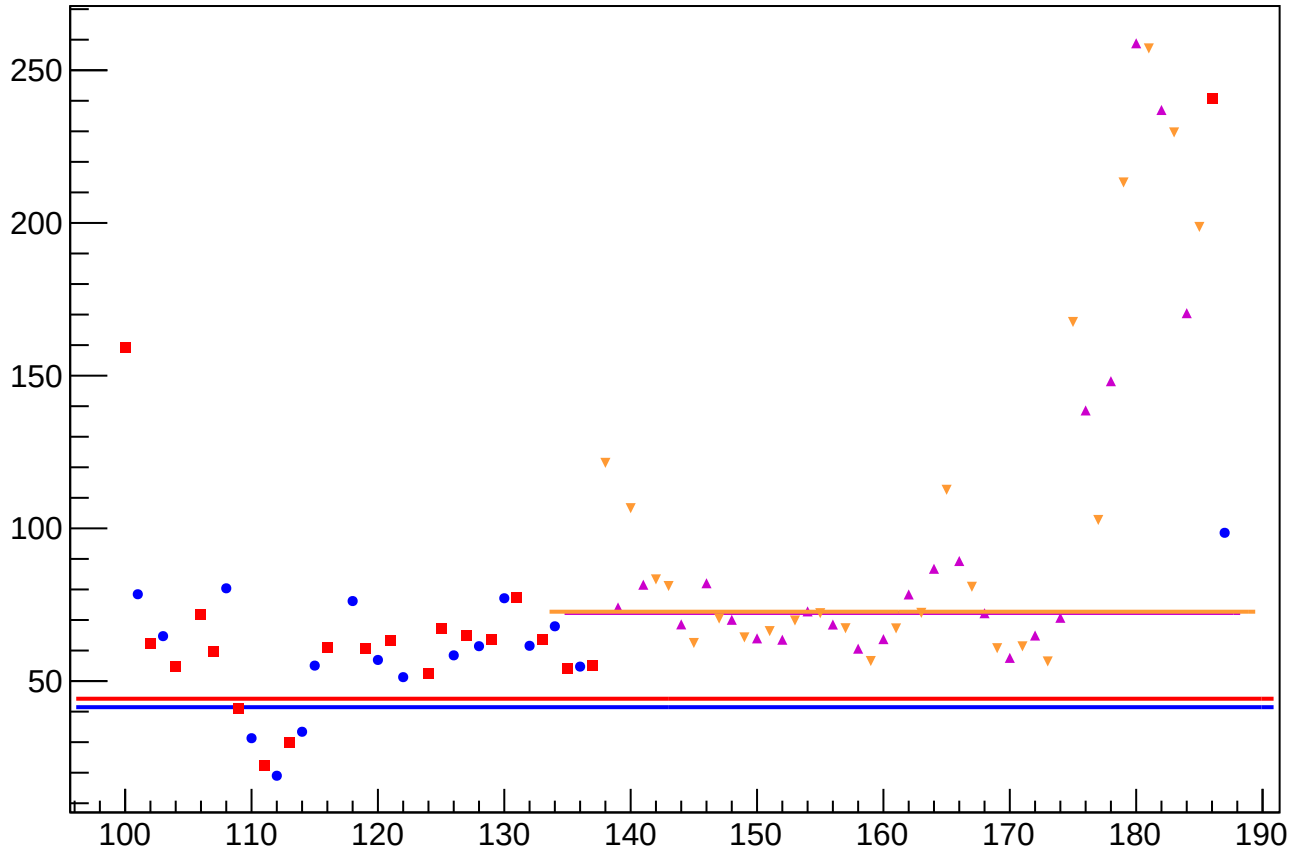
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.027+/-0.013 χ^2/NDF: 46.4/36

In: 0.033+/-0.013 χ^2/NDF:44.3/39

Out: -0.008+/-0.013 χ^2/NDF:45.6/44

All: 0.012+/-0.009 χ^2/NDF: 95.0/84



Right In: 41.454+/-0.013 χ^2/NDF: 3047246.8/16

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 44.223+/-0.013 χ^2/NDF: 2551108.9/19

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

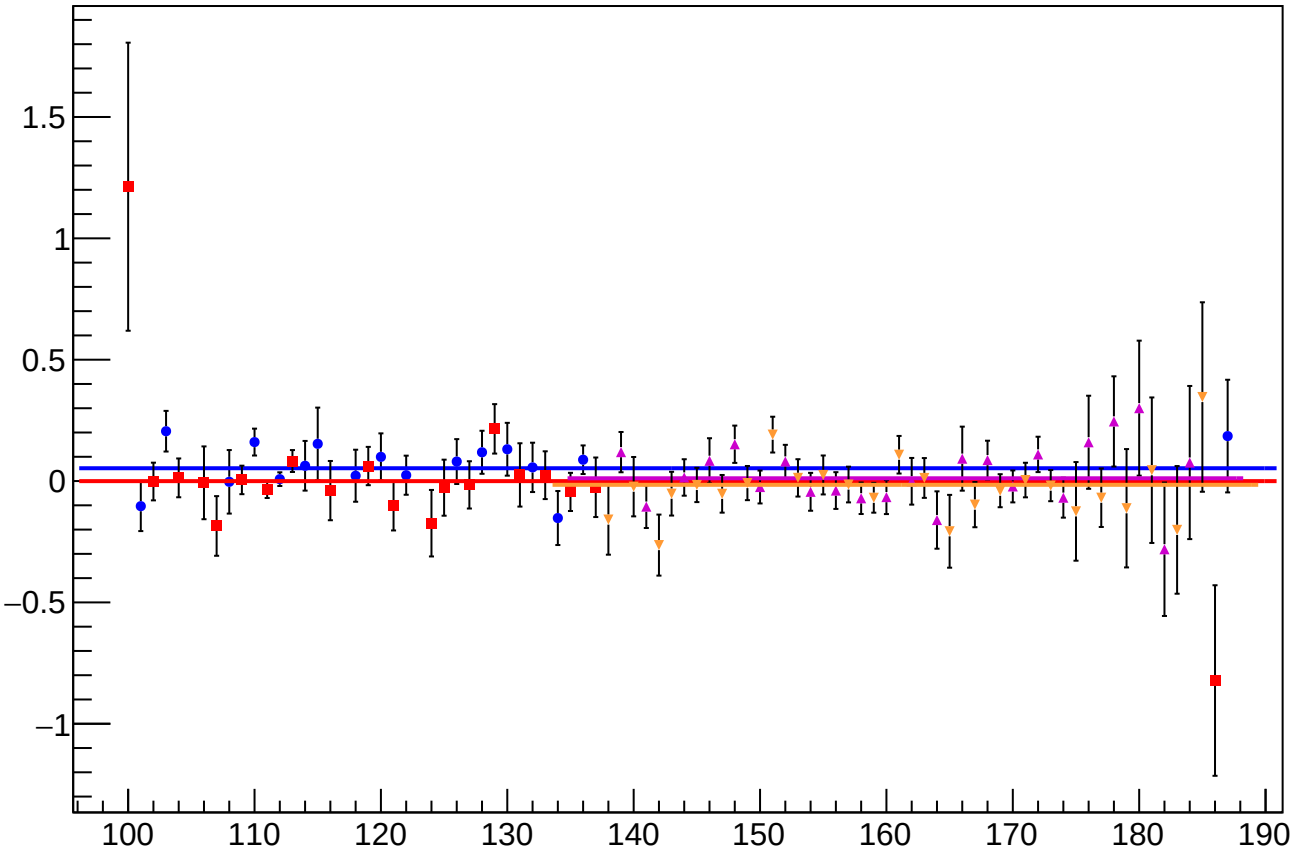
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 42.824+/-0.009 χ^2/NDF: 5622504.4/36

In: 56.418+/-0.009 χ^2/NDF:8777154.0/39

Out: 58.427+/-0.009 χ^2/NDF:9036152.1/44

All: 57.425+/-0.006 χ^2/NDF: 17838349.3/84



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.000+/-0.018 χ^2/NDF: 23.6/19

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

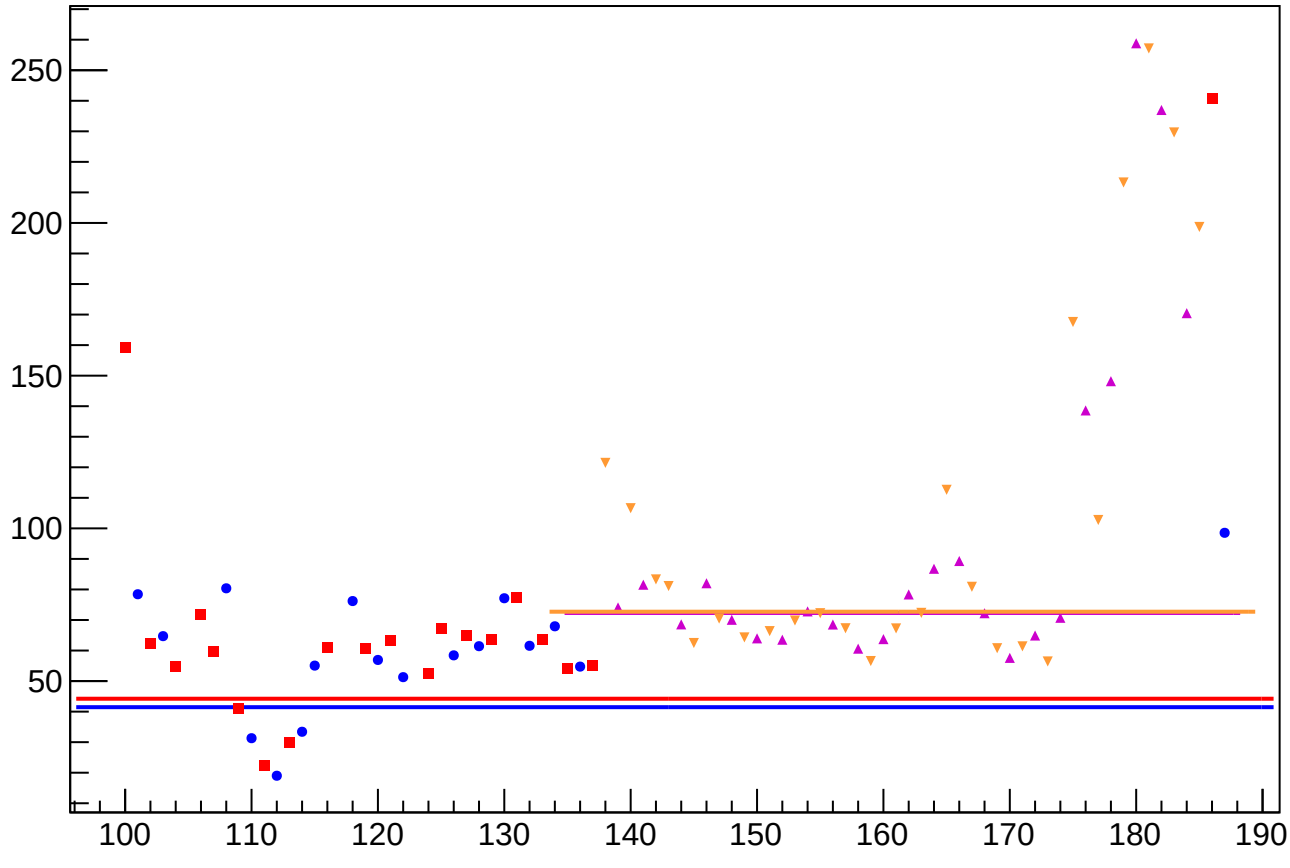
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.027+/-0.013 χ^2/NDF: 46.4/36

In: 0.033+/-0.013 χ^2/NDF:44.3/39

Out: -0.008+/-0.013 χ^2/NDF:45.6/44

All: 0.012+/-0.009 χ^2/NDF: 95.0/84



Right In: 41.454+/-0.013 χ^2/NDF: 3047246.8/16

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 44.223+/-0.013 χ^2/NDF: 2551108.9/19

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

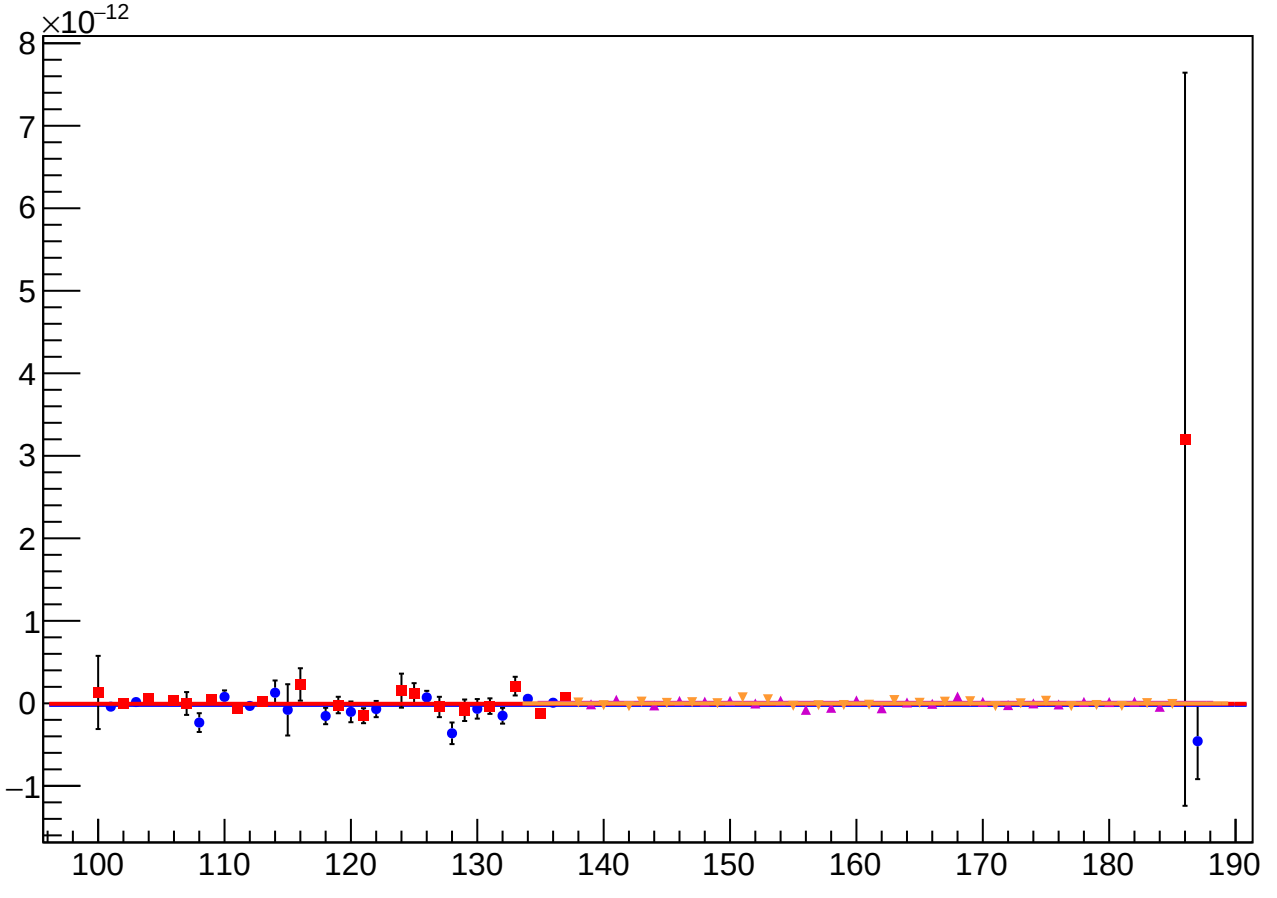
Right: 42.824+/-0.009 χ^2/NDF: 5622504.4/36

In: 56.418+/-0.009 χ^2/NDF:8777154.0/39

Out: 58.427+/-0.009 χ^2/NDF:9036152.1/44

All: 57.425+/-0.006 χ^2/NDF: 17838349.3/84

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/19

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

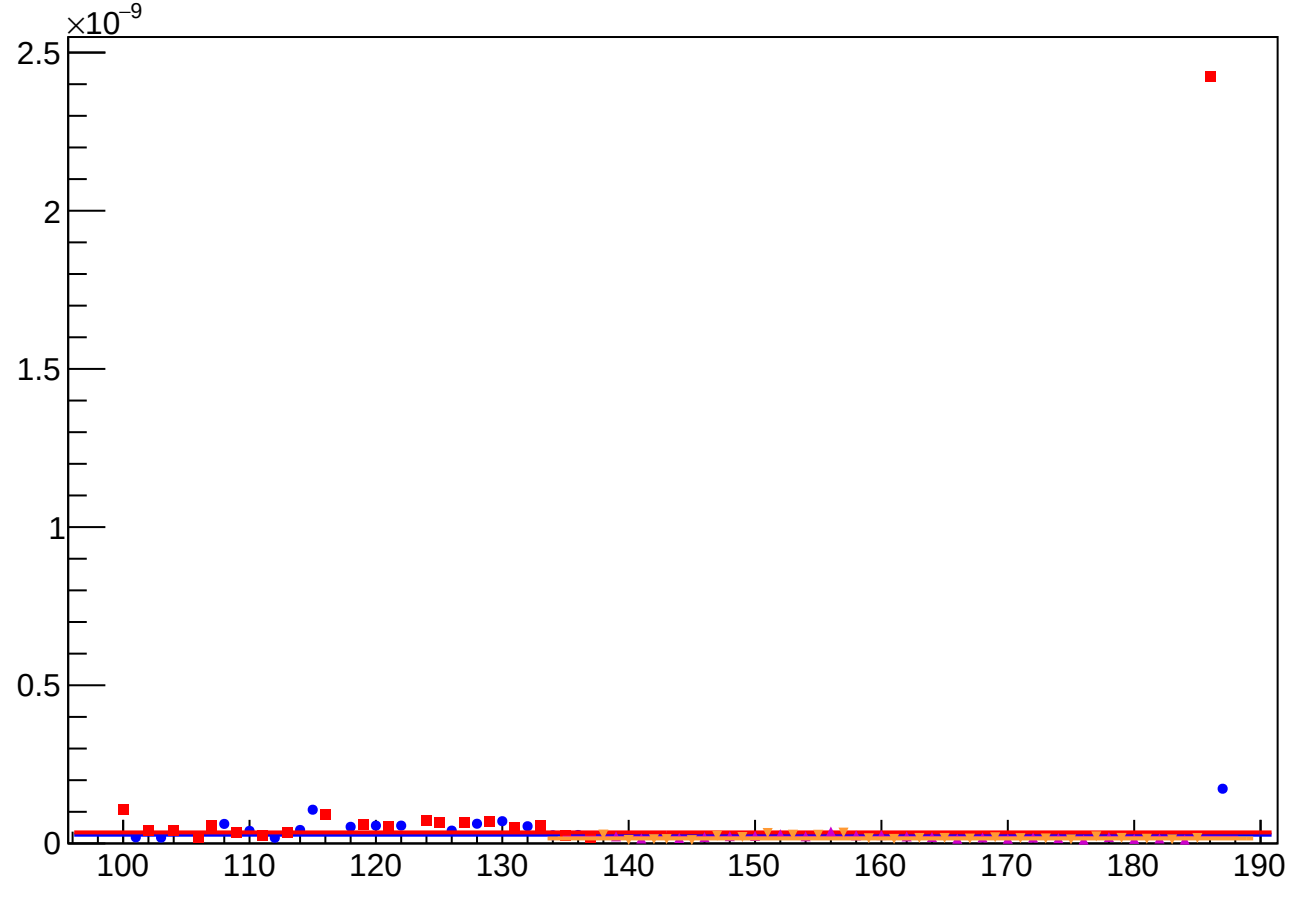
Right: -0.000+/-0.000 χ^2/NDF: 48.1/36

In: 0.000+/-0.000 χ^2/NDF:64.8/39

Out: -0.000+/-0.000 χ^2/NDF:51.8/44

All: 0.000+/-0.000 χ^2/NDF: 117.1/84

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1999504.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2255193.3/19

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

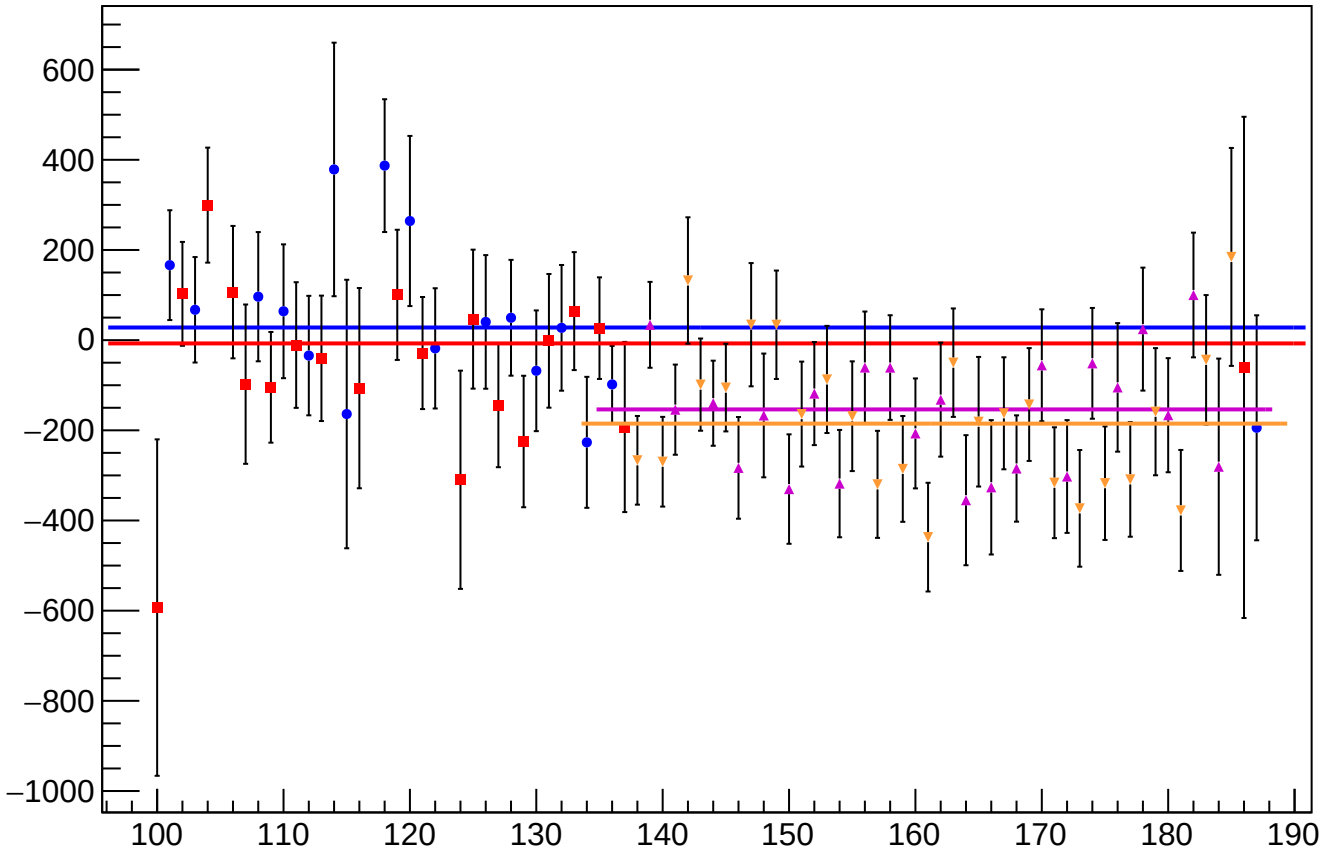
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4468995.2/36

In: 0.000+/-0.000 χ^2/NDF:4385788.1/39

Out: 0.000+/-0.000 χ^2/NDF:7004388.8/44

All: 0.000+/-0.000 χ^2/NDF: 11591863.0/84



Right In: 28.062+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -7.263+/-33.360 χ^2/NDF: 17.8/19

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

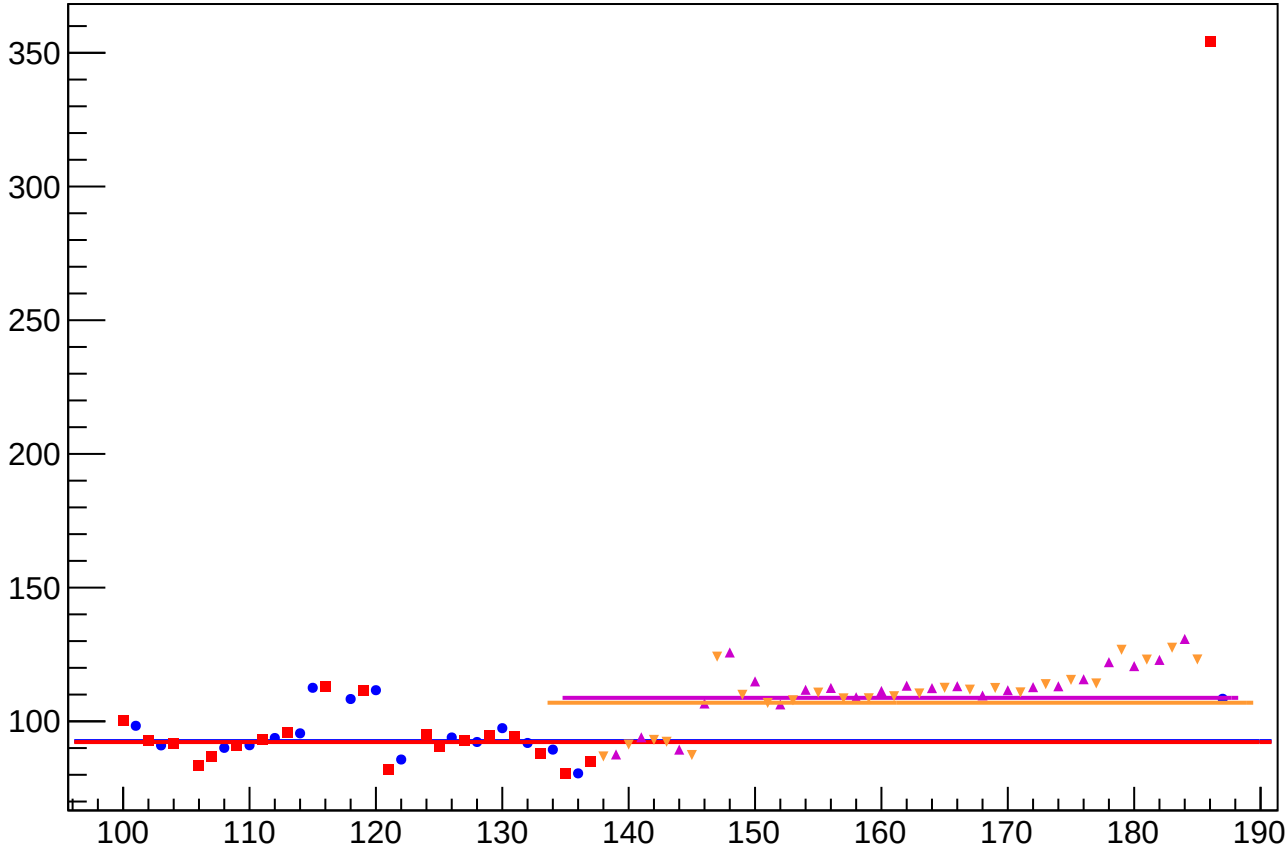
Right: 10.009+/-23.848 χ^2/NDF: 36.4/36

In: -88.354+/-20.442 χ^2/NDF:59.8/39

Out: -122.976+/-19.722 χ^2/NDF:69.3/44

All: -106.286+/-14.193 χ^2/NDF: 130.6/84

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 92.241+/-0.024 χ^2/NDF: 550782.0/19

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

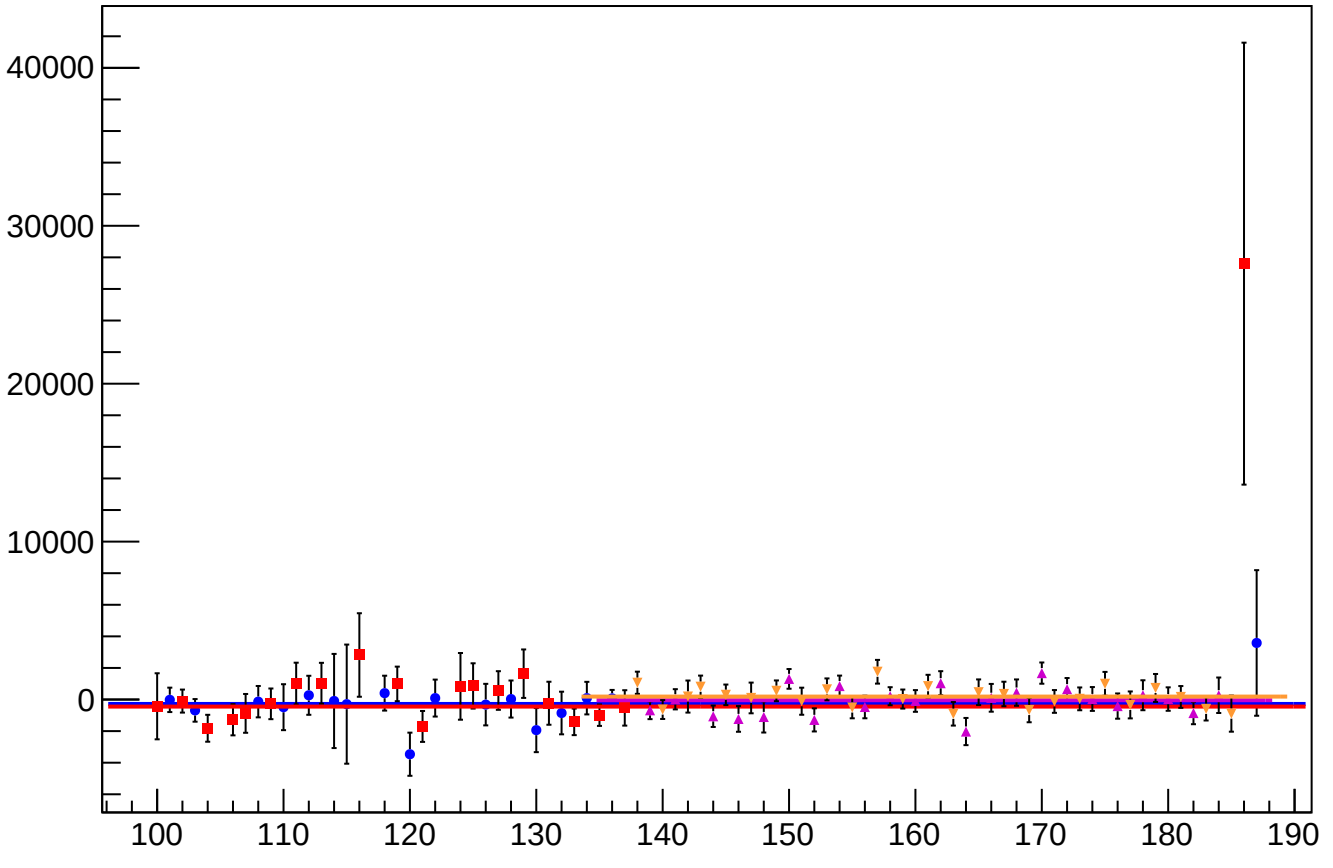
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 92.418+/-0.017 χ^2/NDF: 666158.2/36

In: 102.969+/-0.014 χ^2/NDF:762004.0/39

Out: 101.812+/-0.014 χ^2/NDF:1268138.9/44

All: 102.369+/-0.010 χ^2/NDF: 2033462.5/84



Right In: -280.495+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -446.969+/-248.677 χ^2/NDF: 20.9/19

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

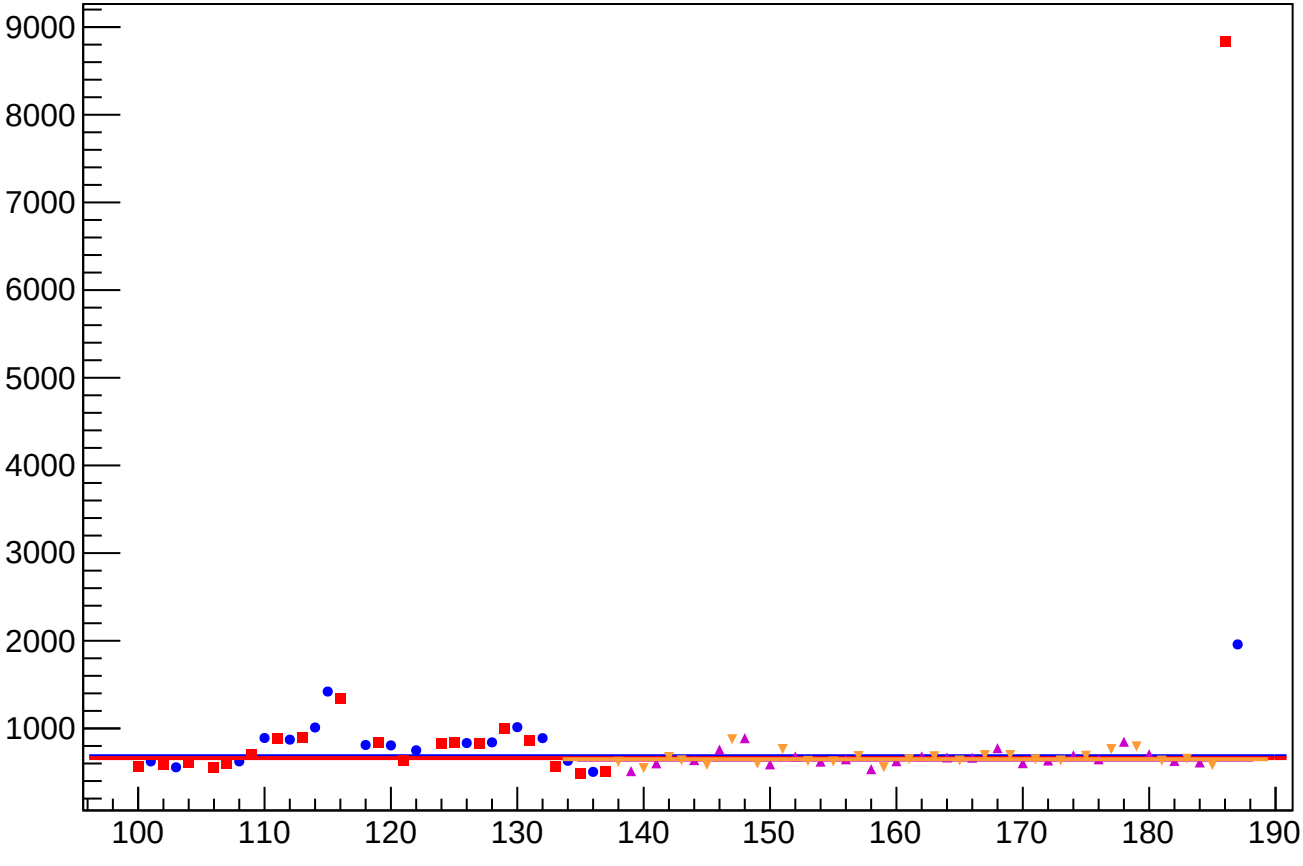
Right: -367.206+/-179.473 χ^2/NDF: 30.6/36

In: -103.965+/-131.166 χ^2/NDF:43.9/39

Out: 19.424+/-127.699 χ^2/NDF:44.7/44

All: -40.618+/-91.498 χ^2/NDF: 89.0/84

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 683.052+/-0.183 χ^2/NDF: 921613.3/16

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 661.715+/-0.176 χ^2/NDF: 1478417.2/19

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

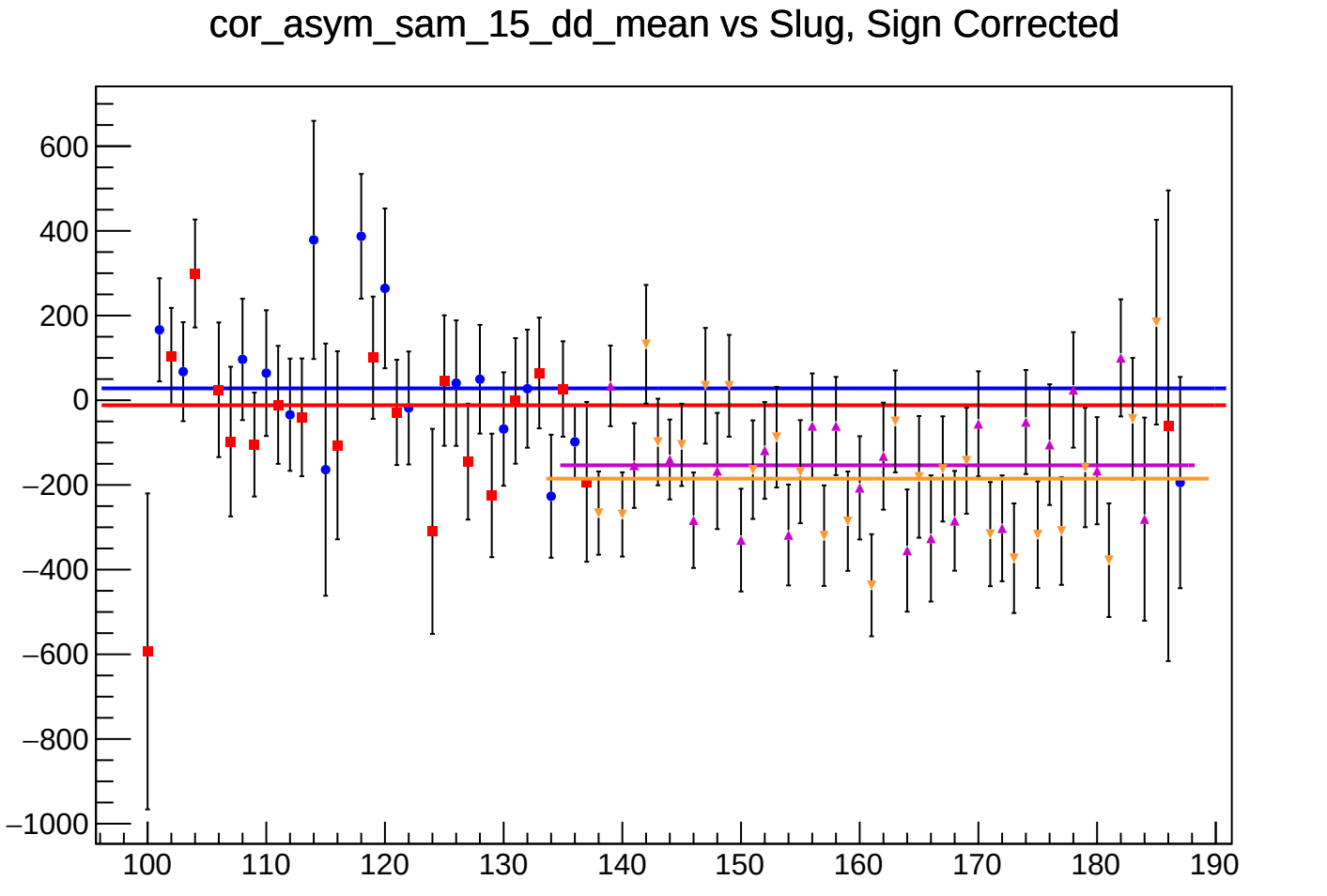
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 671.938+/-0.127 χ^2/NDF: 2407084.7/36

In: 654.048+/-0.093 χ^2/NDF:1514367.1/39

Out: 652.492+/-0.090 χ^2/NDF:1900518.4/44

All: 653.249+/-0.065 χ^2/NDF: 3415029.9/84



Right In: 28.077+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -11.752+/-33.488 χ^2/NDF: 17.2/19

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

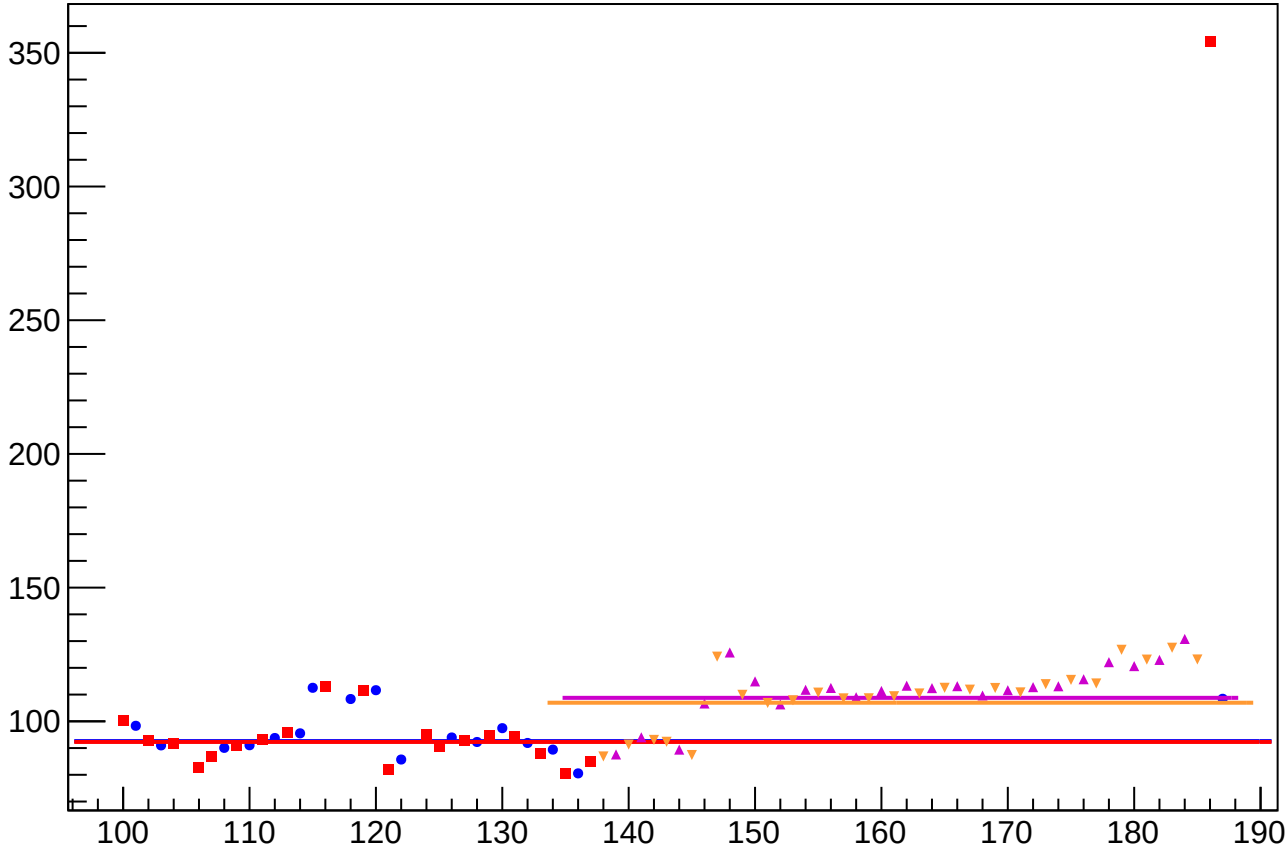
Right: 7.798+/-23.895 χ^2/NDF: 36.0/36

In: -88.352+/-20.442 χ^2/NDF:59.8/39

Out: -124.848+/-19.748 χ^2/NDF:67.7/44

All: -107.230+/-14.203 χ^2/NDF: 129.2/84

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 92.286+/-0.024 χ^2/NDF: 550461.3/19

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

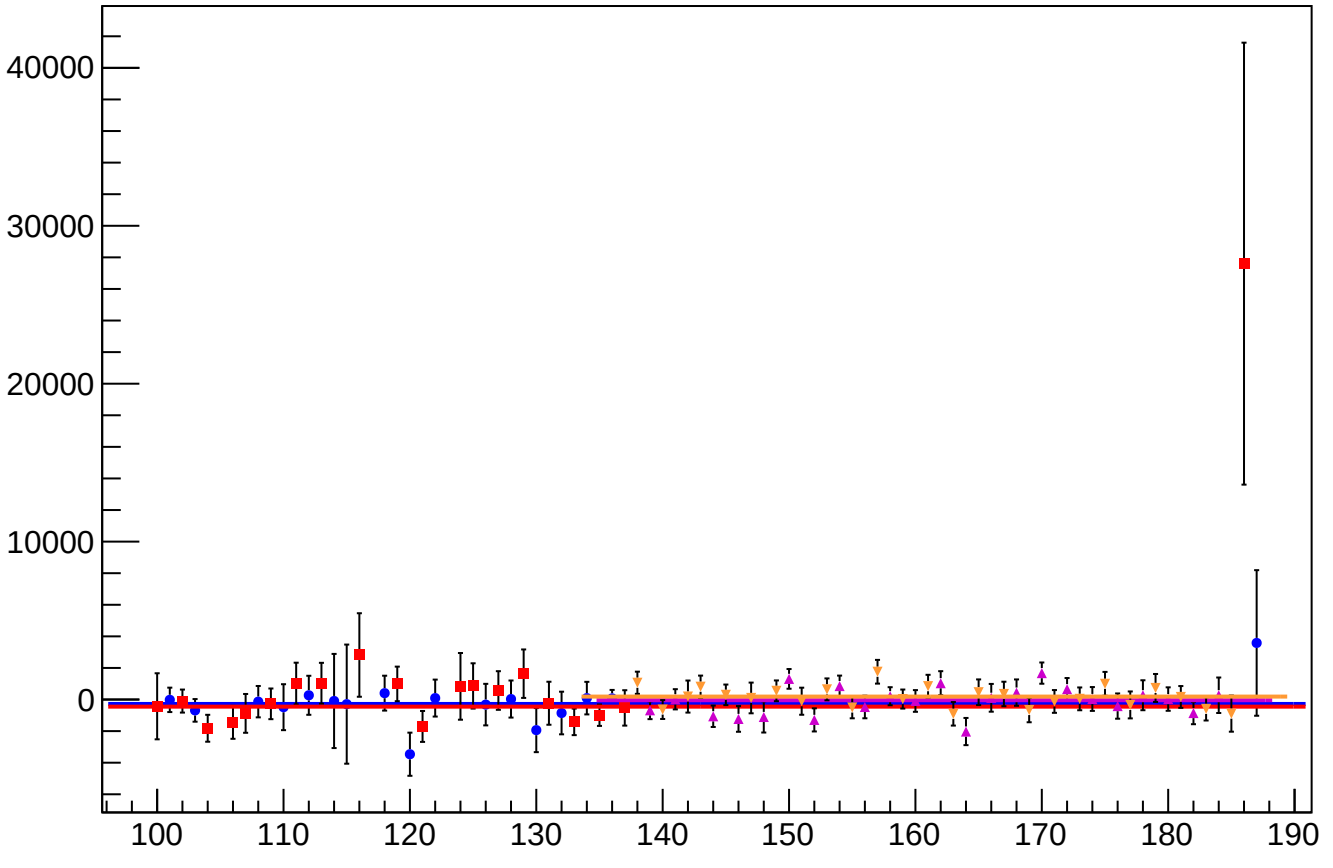
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 92.442+/-0.017 χ^2/NDF: 665810.0/36

In: 102.969+/-0.014 χ^2/NDF:762003.9/39

Out: 101.853+/-0.014 χ^2/NDF:1265005.4/44

All: 102.392+/-0.010 χ^2/NDF: 2030091.7/84



Right In: -280.492+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -450.674+/-249.503 χ^2/NDF: 21.1/19

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

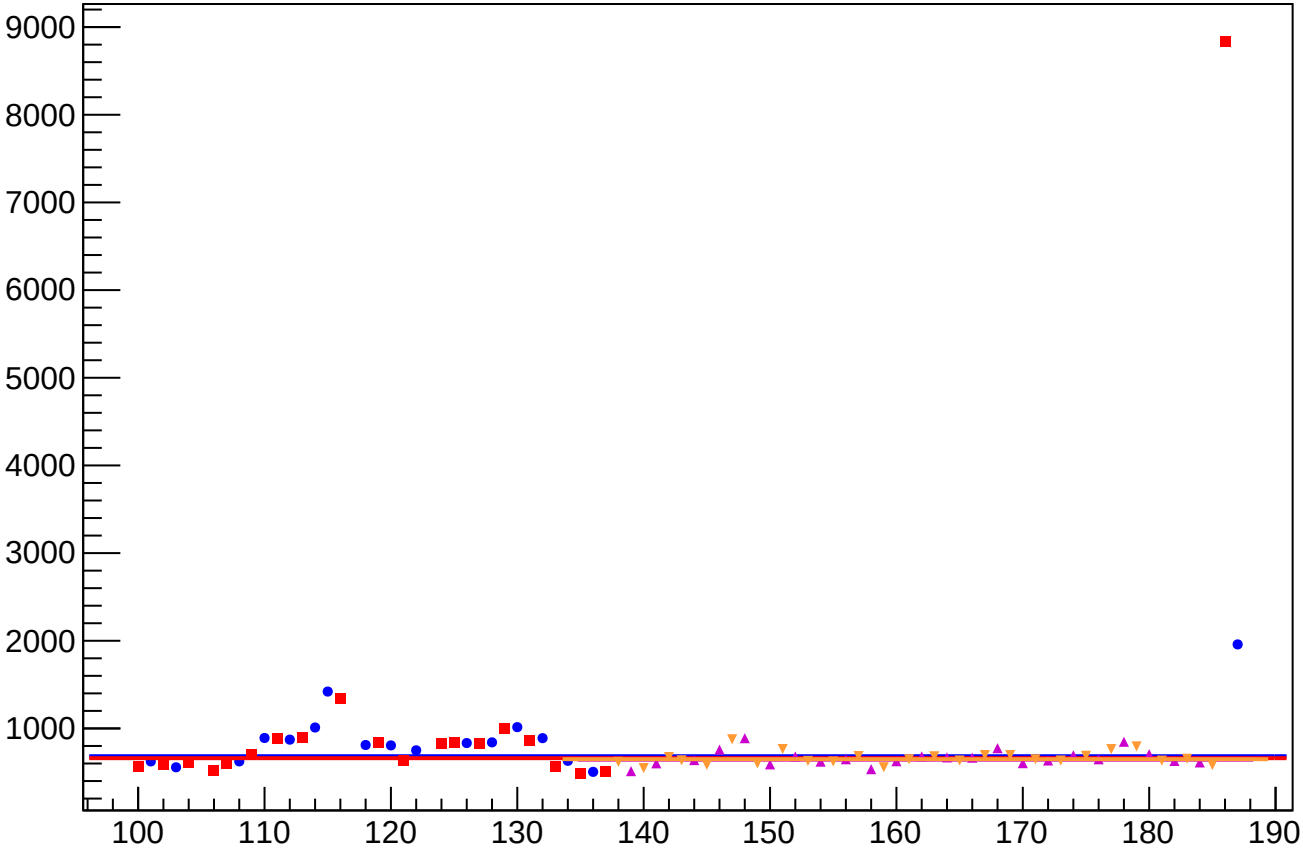
Right: -368.853+/-179.783 χ^2/NDF: 30.8/36

In: -103.966+/-131.166 χ^2/NDF:43.9/39

Out: 19.262+/-127.811 χ^2/NDF:44.9/44

All: -40.756+/-91.539 χ^2/NDF: 89.3/84

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 683.051+/-0.183 χ^2/NDF: 921615.7/16

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 660.861+/-0.176 χ^2/NDF: 1488581.7/19

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

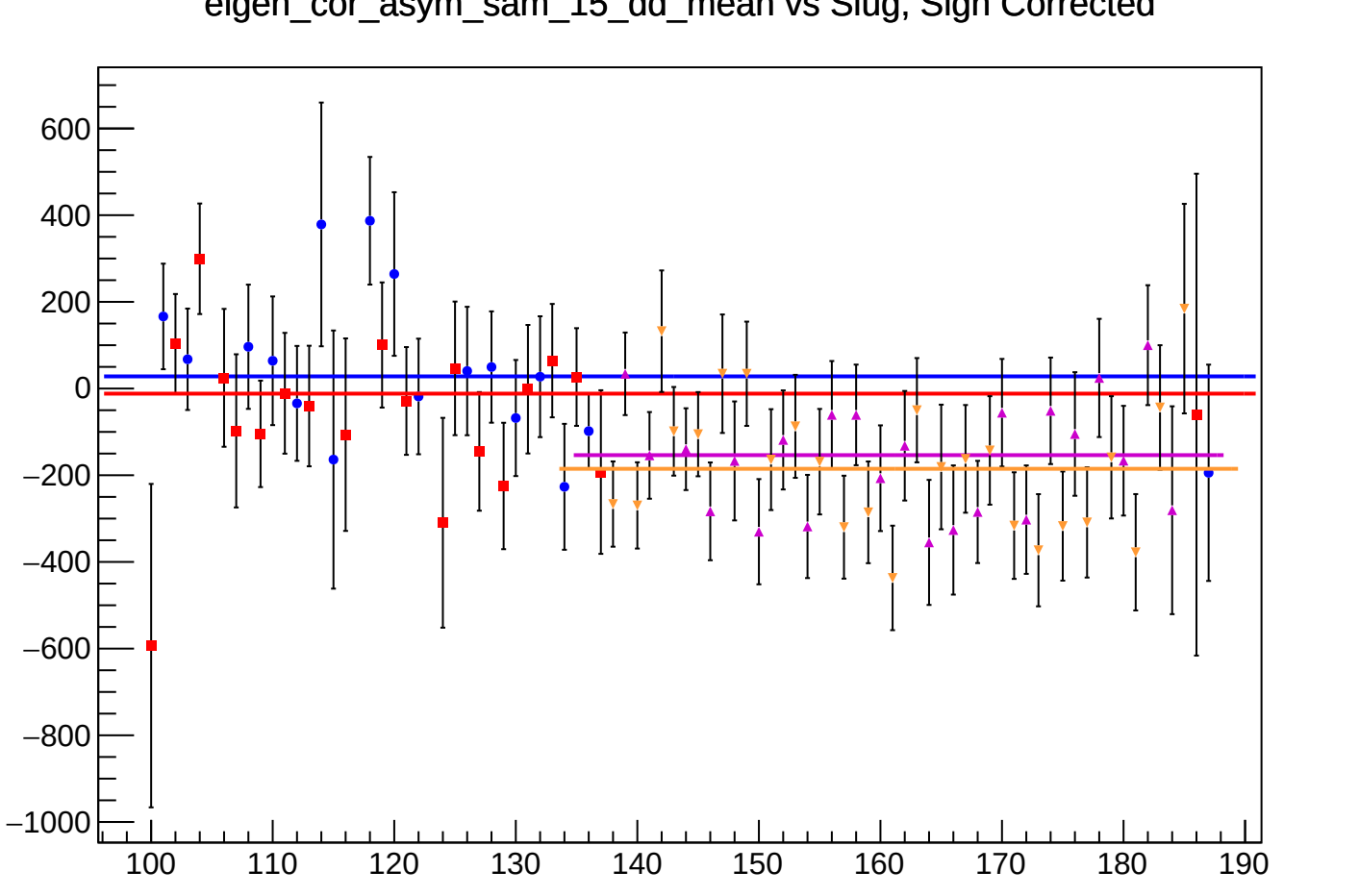
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 671.530+/-0.127 χ^2/NDF: 2417803.1/36

In: 654.048+/-0.093 χ^2/NDF:1514369.7/39

Out: 652.252+/-0.090 χ^2/NDF:1910175.6/44

All: 653.127+/-0.065 χ^2/NDF: 3424737.6/84



Right In: 28.077+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -11.752+/-33.488 χ^2/NDF: 17.2/19

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

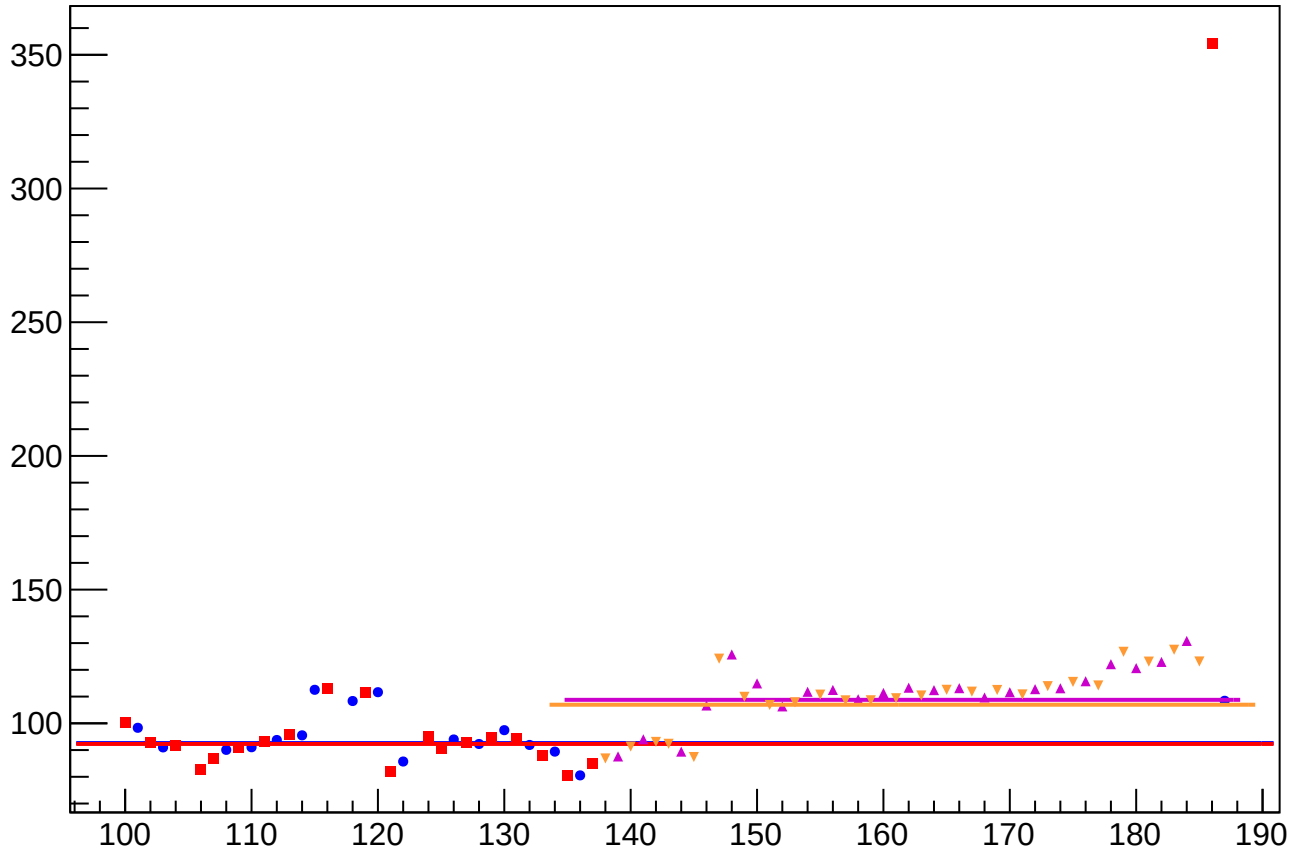
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: 7.798+/-23.895 χ^2/NDF: 36.0/36

In: -88.352+/-20.442 χ^2/NDF:59.8/39

Out: -124.848+/-19.748 χ^2/NDF:67.7/44

All: -107.230+/-14.203 χ^2/NDF: 129.2/84



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 92.286+/-0.024 χ^2/NDF: 550461.3/19

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

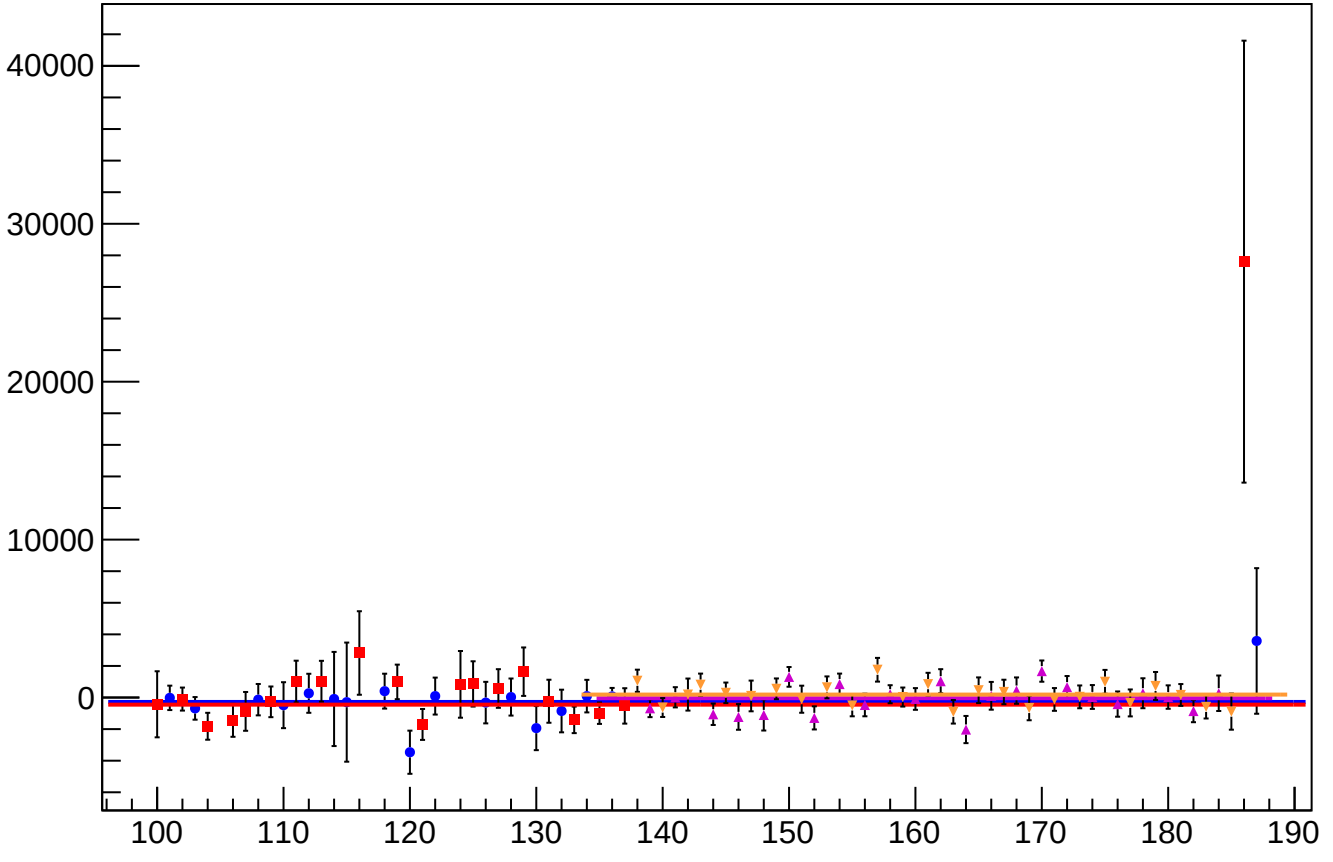
Right: 92.442+/-0.017 χ^2/NDF: 665810.0/36

In: 102.969+/-0.014 χ^2/NDF:762003.9/39

Out: 101.853+/-0.014 χ^2/NDF:1265005.4/44

All: 102.392+/-0.010 χ^2/NDF: 2030091.7/84

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -280.492+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -450.674+/-249.503 χ^2/NDF: 21.1/19

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

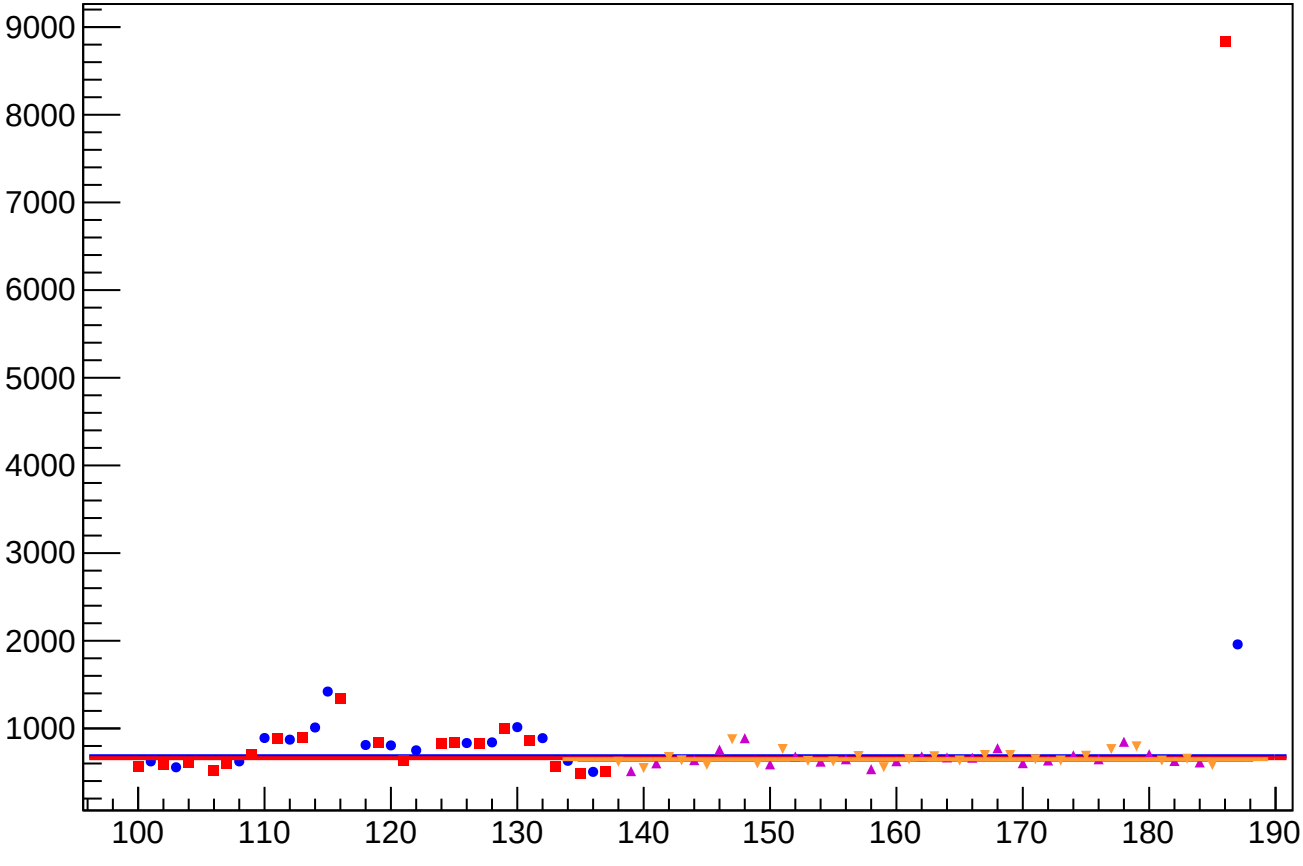
Right: -368.853+/-179.783 χ^2/NDF: 30.8/36

In: -103.966+/-131.166 χ^2/NDF:43.9/39

Out: 19.262+/-127.811 χ^2/NDF:44.9/44

All: -40.756+/-91.539 χ^2/NDF: 89.3/84

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 683.051+/-0.183 χ^2/NDF: 921615.7/16

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 660.861+/-0.176 χ^2/NDF: 1488581.7/19

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

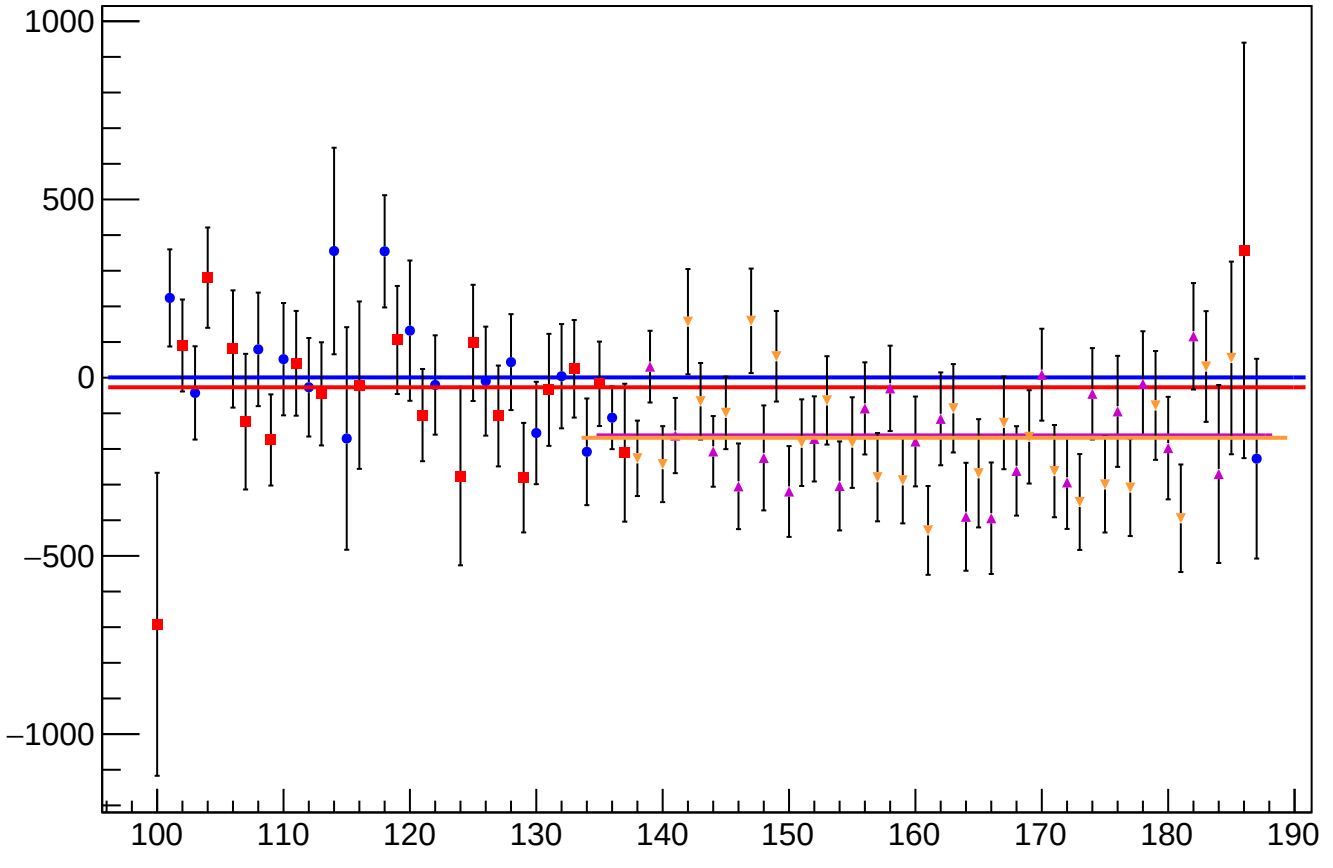
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 671.530+/-0.127 χ^2/NDF: 2417803.1/36

In: 654.048+/-0.093 χ^2/NDF:1514369.7/39

Out: 652.252+/-0.090 χ^2/NDF:1910175.6/44

All: 653.127+/-0.065 χ^2/NDF: 3424737.6/84



Right In: 0.750+/-36.203 χ^2/NDF: 16.0/16

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -26.985+/-35.399 χ^2/NDF: 17.5/19

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

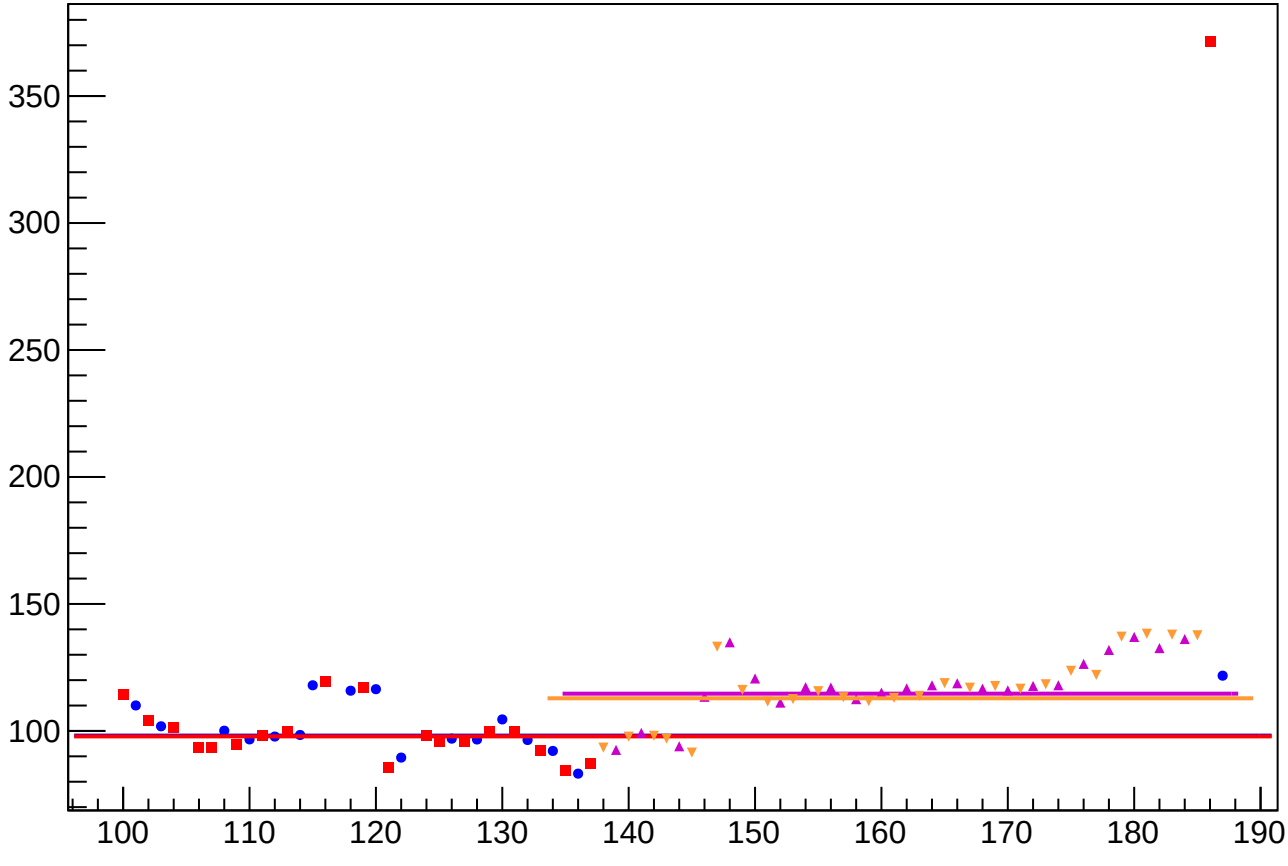
Right: -13.429+/-25.310 χ^2/NDF: 33.9/36

In: -103.995+/-21.617 χ^2/NDF:52.6/39

Out: -119.446+/-20.860 χ^2/NDF:60.4/44

All: -111.995+/-15.011 χ^2/NDF: 113.2/84

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 98.157+/-0.026 χ^2/NDF: 155080.8/16

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.853+/-0.025 χ^2/NDF: 557380.0/19

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

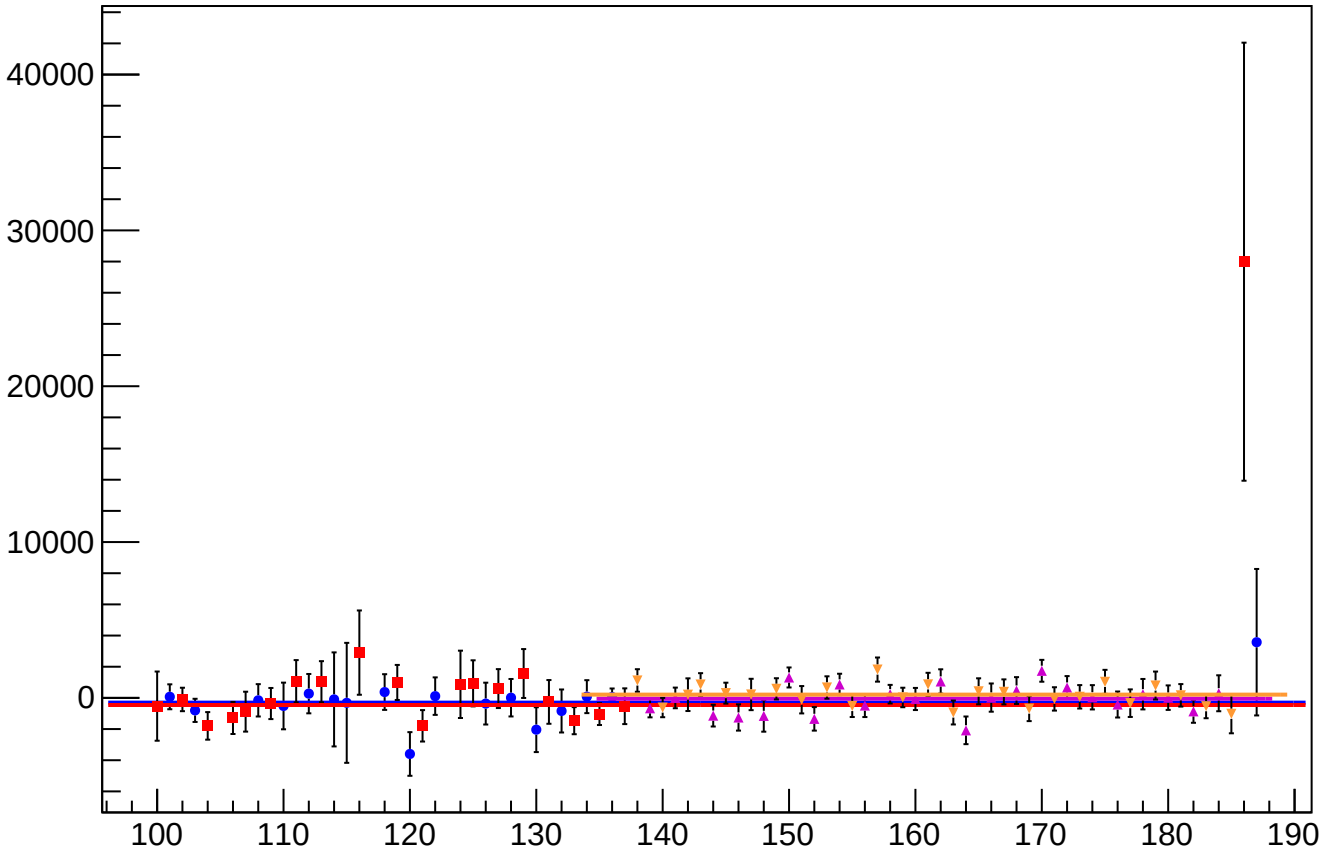
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 98.001+/-0.018 χ^2/NDF: 712532.9/36

In: 108.787+/-0.015 χ^2/NDF:833006.9/39

Out: 107.642+/-0.015 χ^2/NDF:1303949.8/44

All: 108.194+/-0.011 χ^2/NDF: 2139864.2/84



Right In: -304.008+/-267.083 χ^2/NDF: 9.8/16

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -456.091+/-256.603 χ^2/NDF: 20.6/19

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

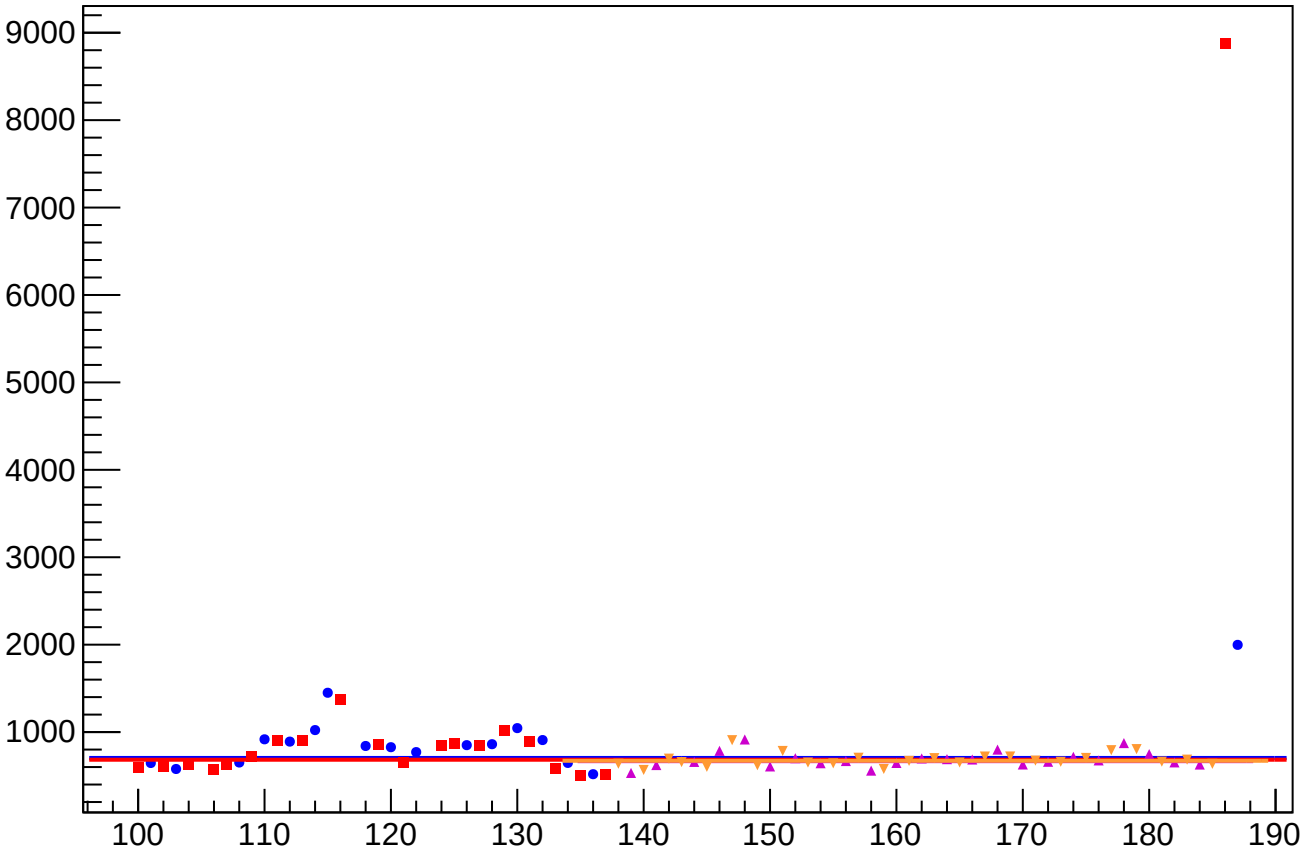
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -383.091+/-185.040 χ^2/NDF: 30.6/36

In: -115.728+/-135.658 χ^2/NDF:43.8/39

Out: 33.285+/-131.998 χ^2/NDF:44.4/44

All: -39.185+/-94.604 χ^2/NDF: 88.9/84



Right In: 704.164+/-0.189 χ^2/NDF: 905696.8/16

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 683.748+/-0.181 χ^2/NDF: 1449148.2/19

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

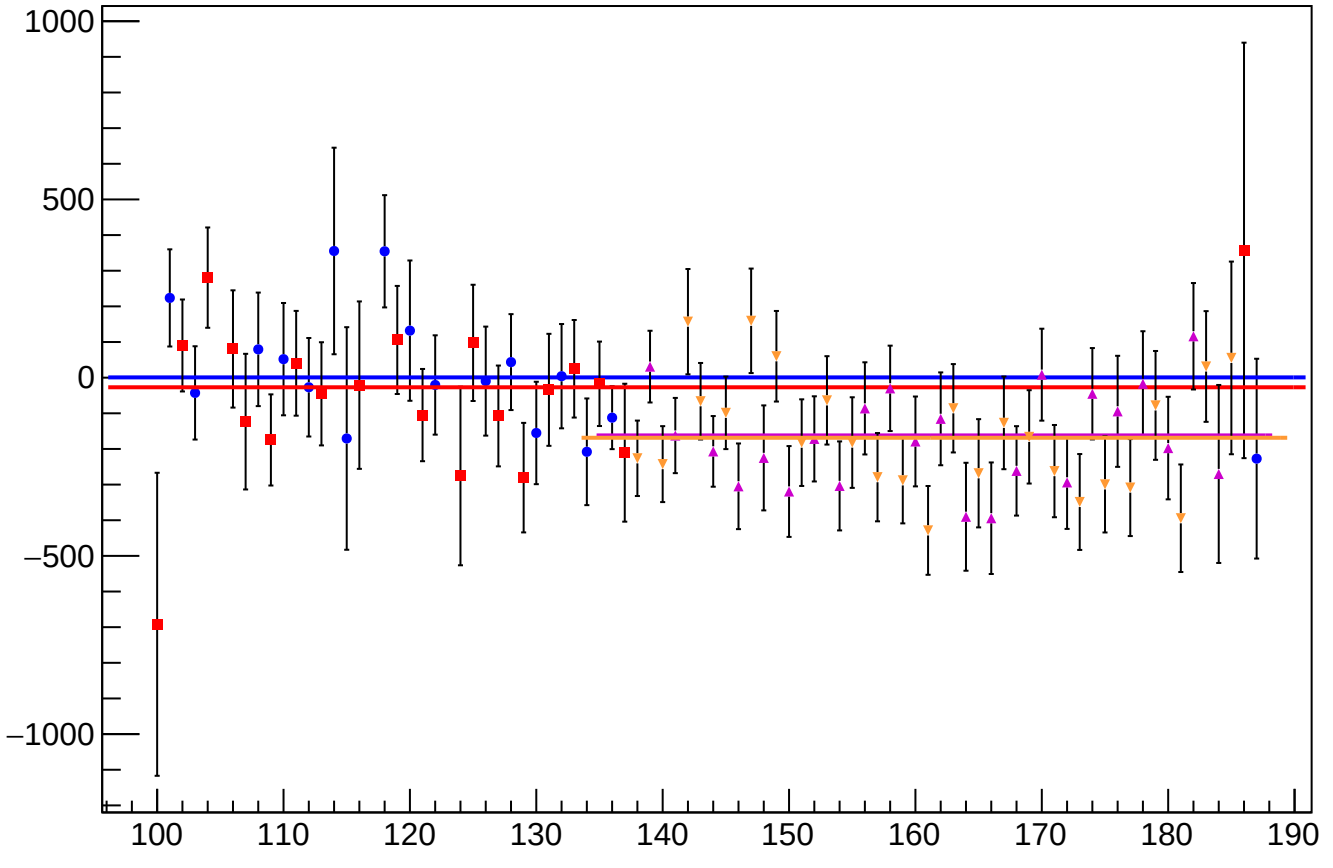
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 693.548+/-0.131 χ^2/NDF: 2360922.1/36

In: 676.841+/-0.096 χ^2/NDF:1480809.5/39

Out: 674.997+/-0.093 χ^2/NDF:1851471.0/44

All: 675.894+/-0.067 χ^2/NDF: 3332470.3/84



Right In: 0.751+/-36.203 χ^2/NDF: 16.0/16

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -26.986+/-35.399 χ^2/NDF: 17.5/19

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

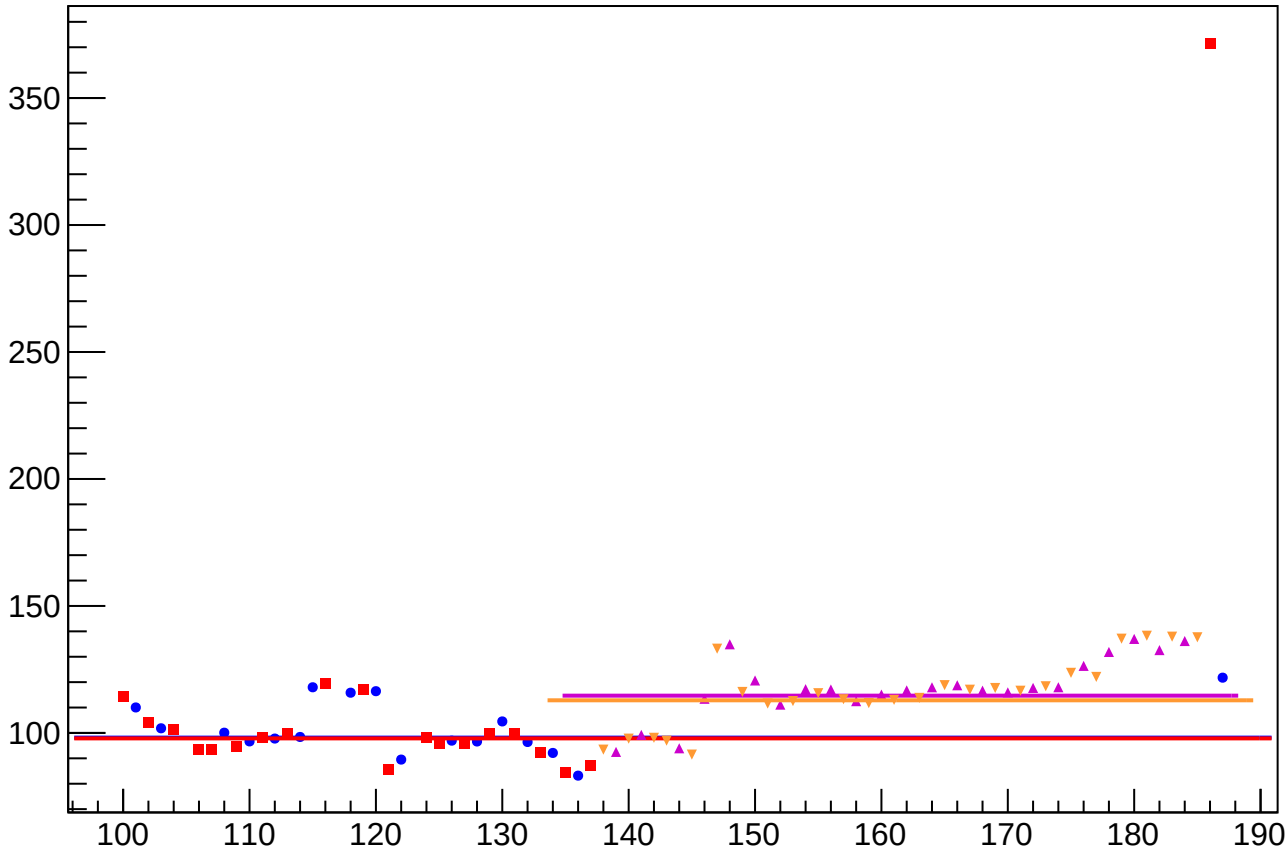
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -13.428+/-25.310 χ^2/NDF: 33.9/36

In: -103.994+/-21.617 χ^2/NDF:52.6/39

Out: -119.446+/-20.860 χ^2/NDF:60.4/44

All: -111.995+/-15.011 χ^2/NDF: 113.2/84



Right In: 98.156+/-0.026 χ^2/NDF: 155082.6/16

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.852+/-0.025 χ^2/NDF: 557378.9/19

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

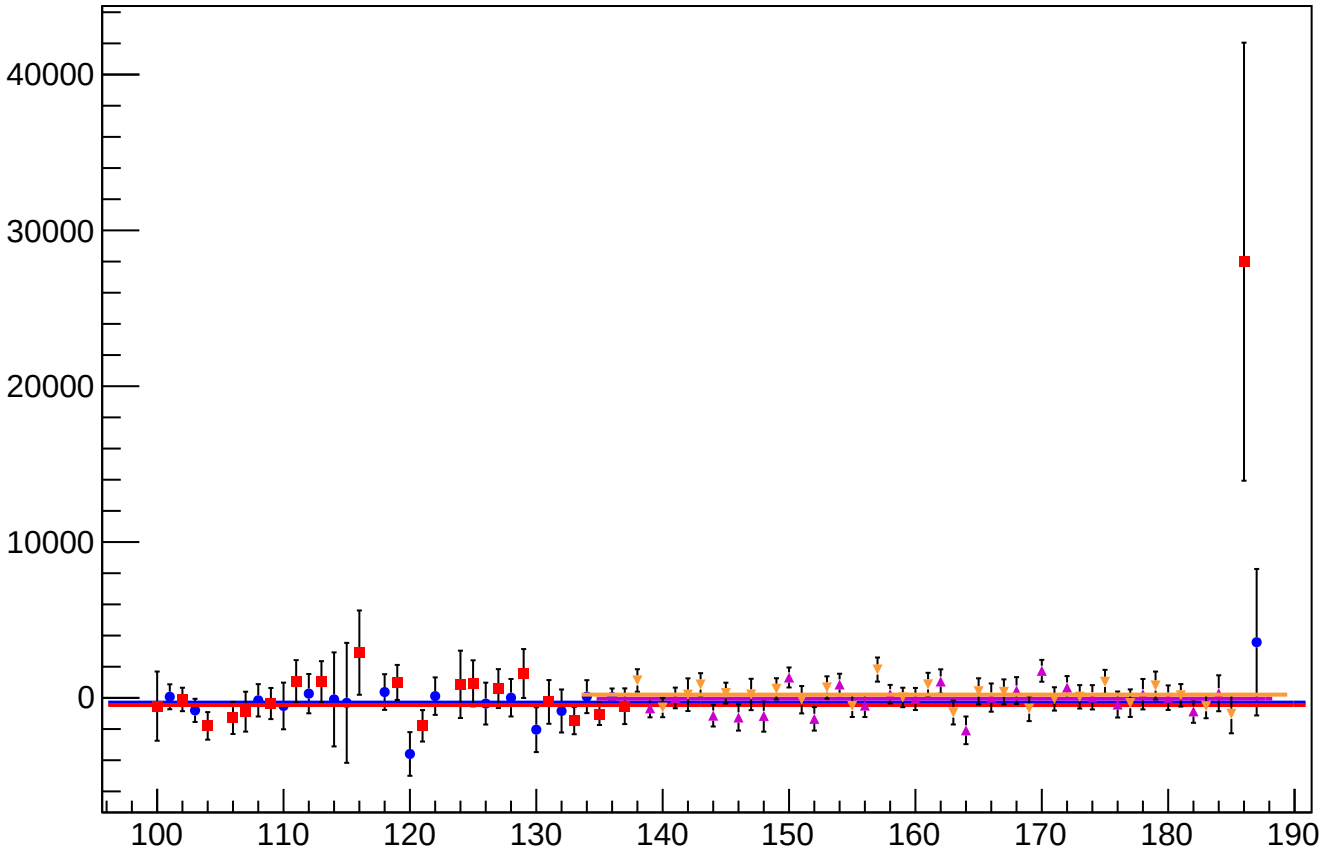
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 98.001+/-0.018 χ^2/NDF: 712533.6/36

In: 108.787+/-0.015 χ^2/NDF:833018.2/39

Out: 107.642+/-0.015 χ^2/NDF:1303953.9/44

All: 108.194+/-0.011 χ^2/NDF: 2139879.8/84



Right In: -304.006+/-267.082 χ^2/NDF: 9.8/16

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -456.091+/-256.602 χ^2/NDF: 20.6/19

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

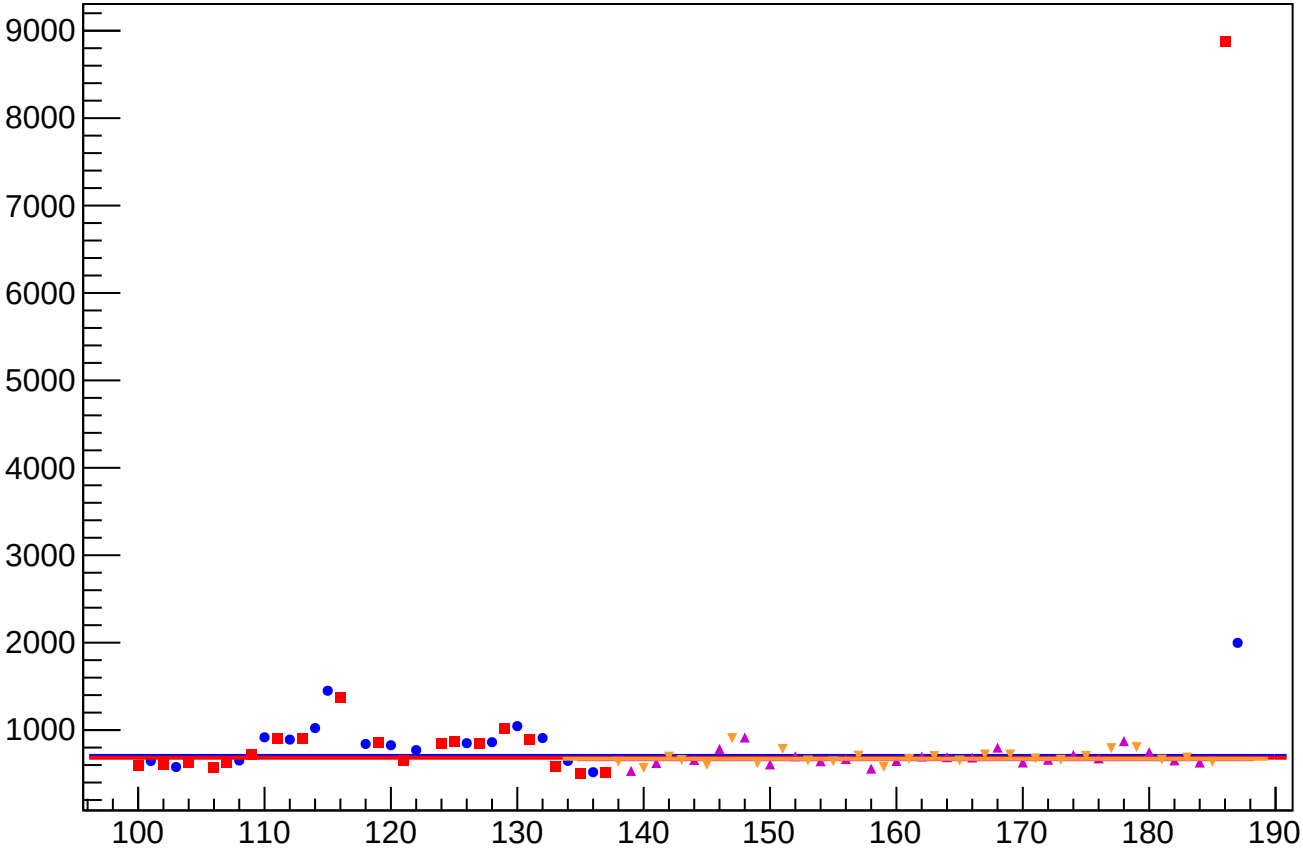
Right: -383.091+/-185.039 χ^2/NDF: 30.6/36

In: -115.729+/-135.658 χ^2/NDF:43.8/39

Out: 33.284+/-131.998 χ^2/NDF:44.4/44

All: -39.185+/-94.604 χ^2/NDF: 88.9/84

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 704.163+/-0.189 χ^2/NDF: 905700.1/16

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 683.747+/-0.181 χ^2/NDF: 1449151.2/19

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

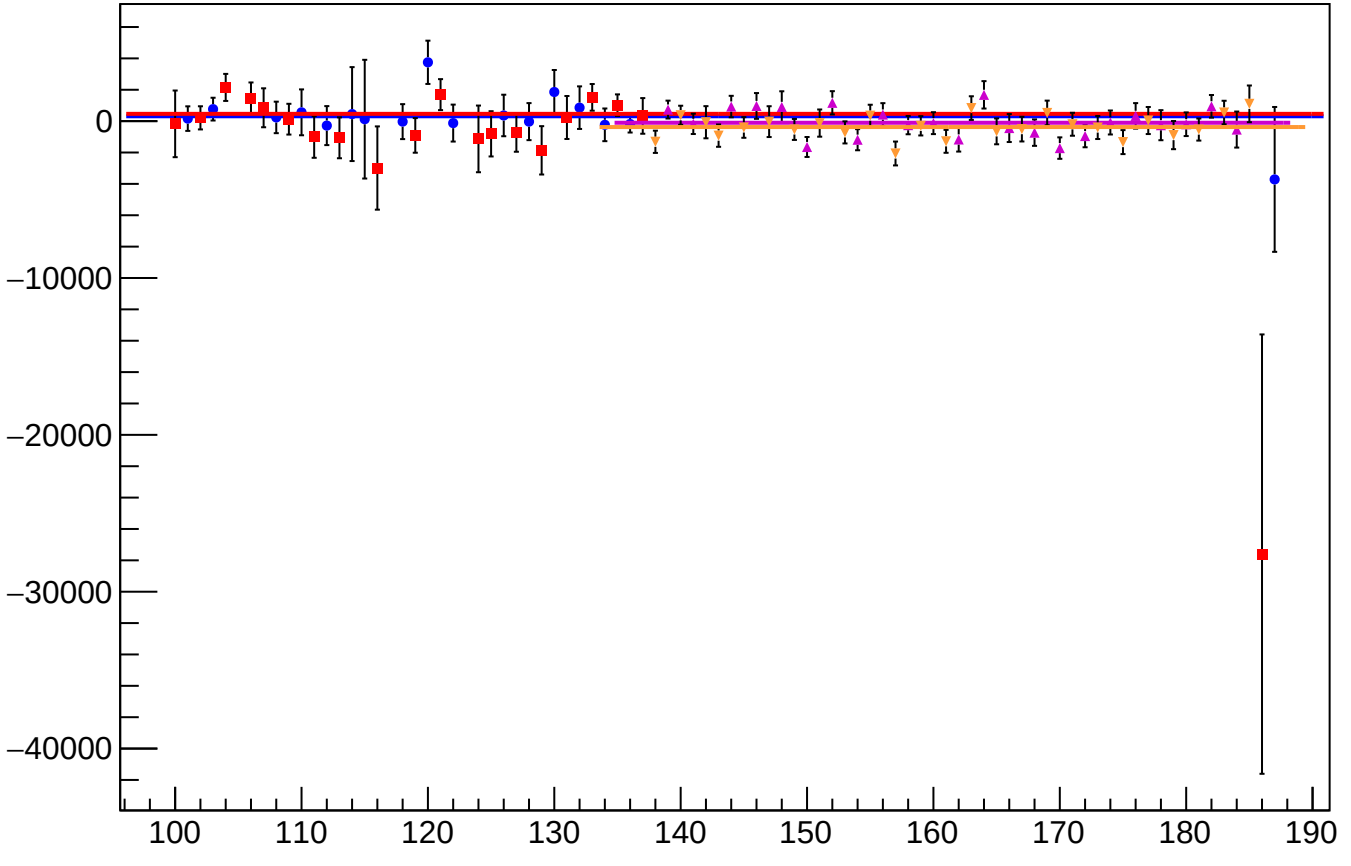
Right: 693.546+/-0.131 χ^2/NDF: 2360928.5/36

In: 676.841+/-0.096 χ^2/NDF:1480811.9/39

Out: 674.997+/-0.093 χ^2/NDF:1851473.3/44

All: 675.894+/-0.067 χ^2/NDF: 3332475.0/84

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 310.206+/-261.910 χ^2/NDF: 10.5/16

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 464.194+/-251.290 χ^2/NDF: 23.4/19

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

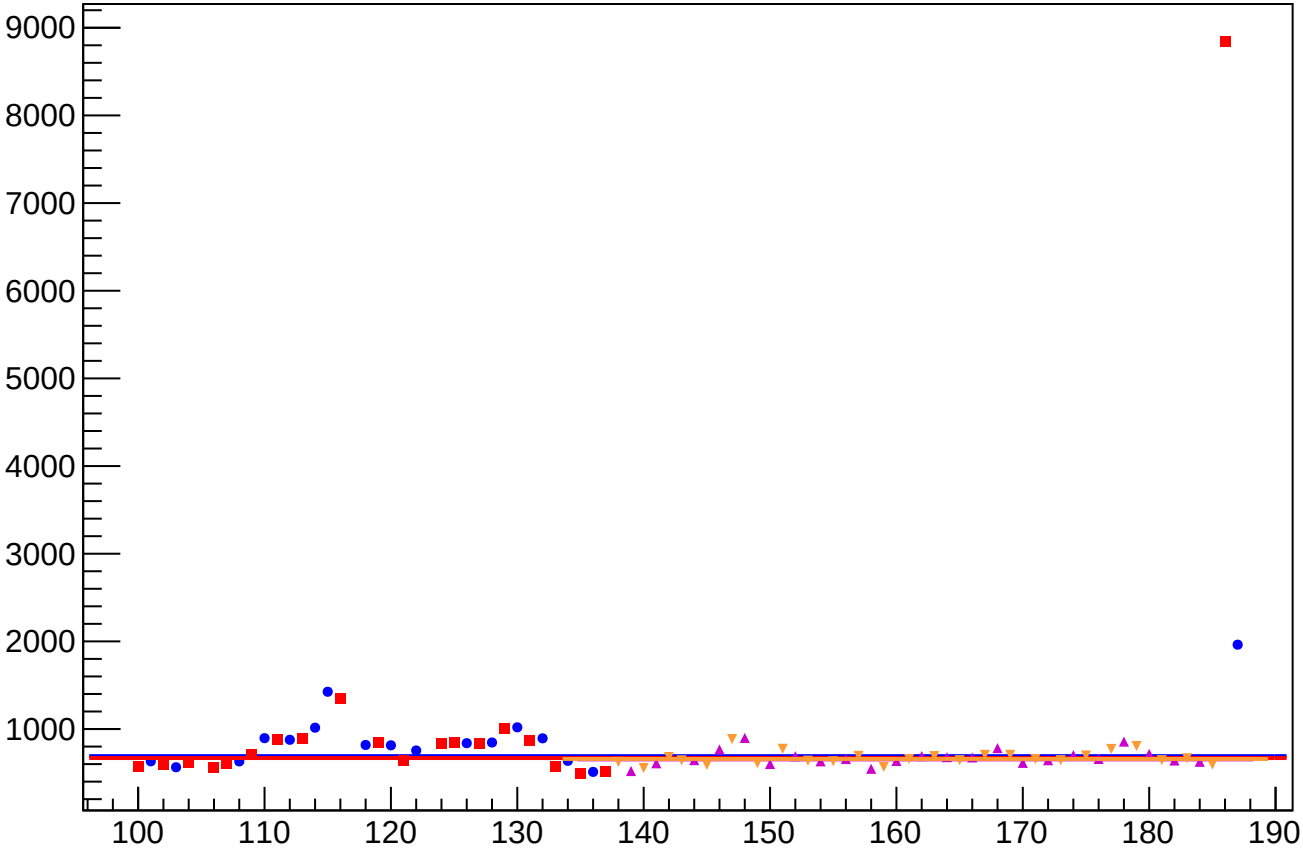
Right: 390.386+/-181.327 χ^2/NDF: 34.1/36

In: 3.261+/-132.967 χ^2/NDF:47.9/39

Out: -154.107+/-129.399 χ^2/NDF:53.1/44

All: -77.562+/-92.735 χ^2/NDF: 101.6/84

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 690.499+/-0.185 χ^2/NDF: 901675.6/16

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 669.267+/-0.178 χ^2/NDF: 1458453.5/19

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

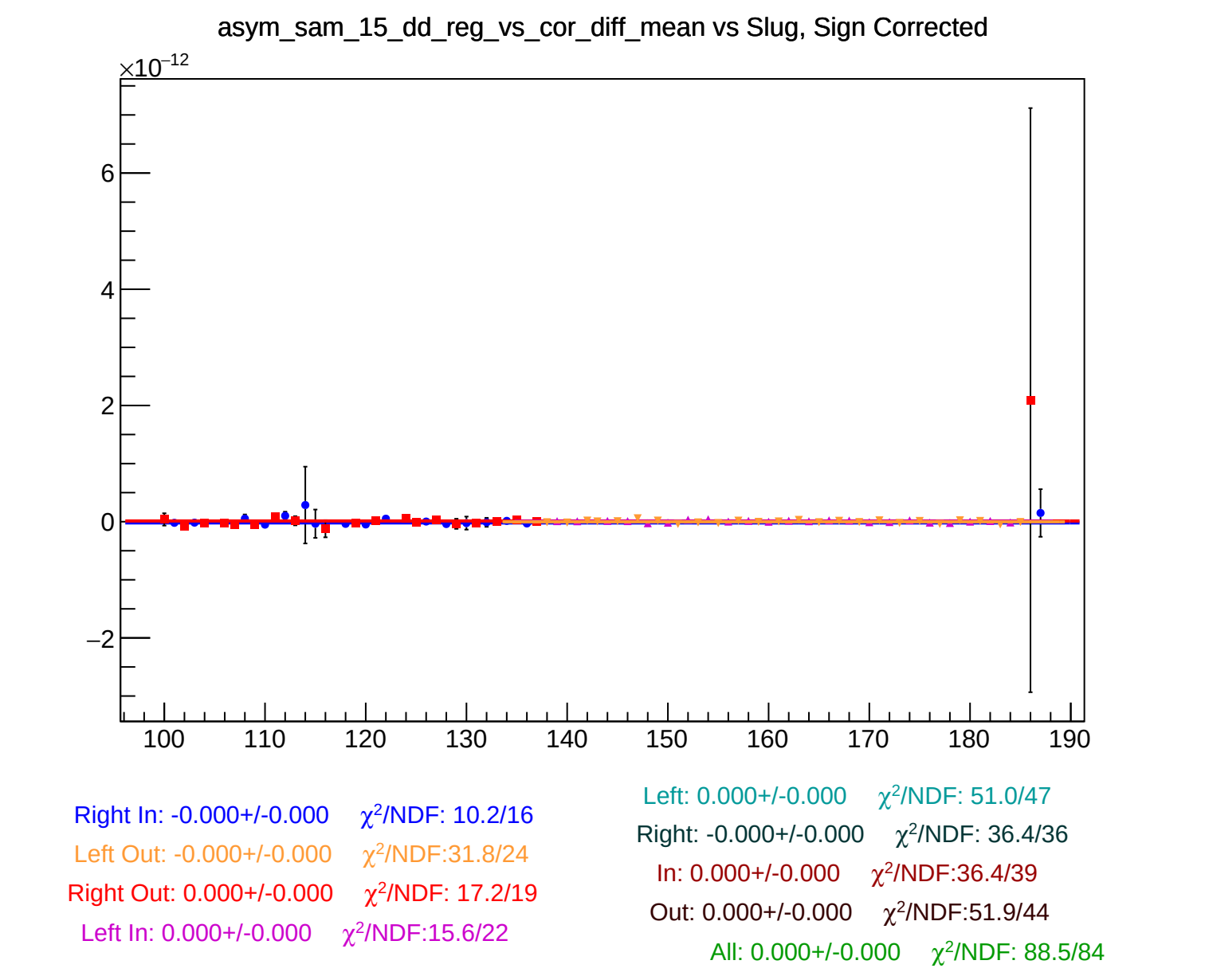
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

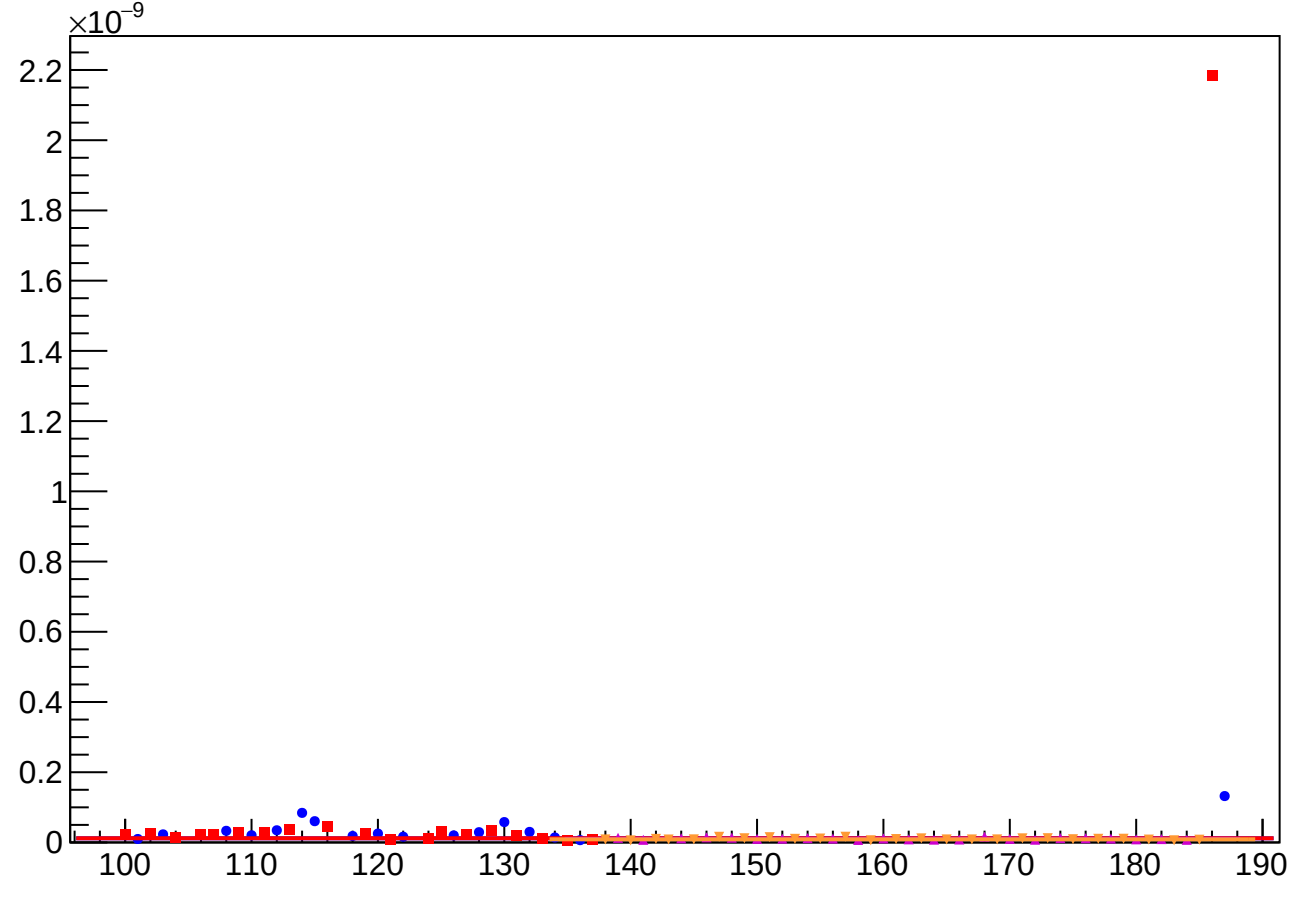
Right: 679.444+/-0.128 χ^2/NDF: 2366972.9/36

In: 663.370+/-0.094 χ^2/NDF:1472662.8/39

Out: 661.482+/-0.091 χ^2/NDF:1870750.2/44

All: 662.400+/-0.066 χ^2/NDF: 3343620.2/84


asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.2/16
Left Out: -0.000+/-0.000 χ²/NDF:31.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.2/19
Left In: 0.000+/-0.000 χ²/NDF:15.6/22
Left: 0.000+/-0.000 χ²/NDF: 51.0/47
Right: -0.000+/-0.000 χ²/NDF: 36.4/36
In: 0.000+/-0.000 χ²/NDF:36.4/39
Out: 0.000+/-0.000 χ²/NDF:51.9/44
All: 0.000+/-0.000 χ²/NDF: 88.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 2333861.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2576001.0/19

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

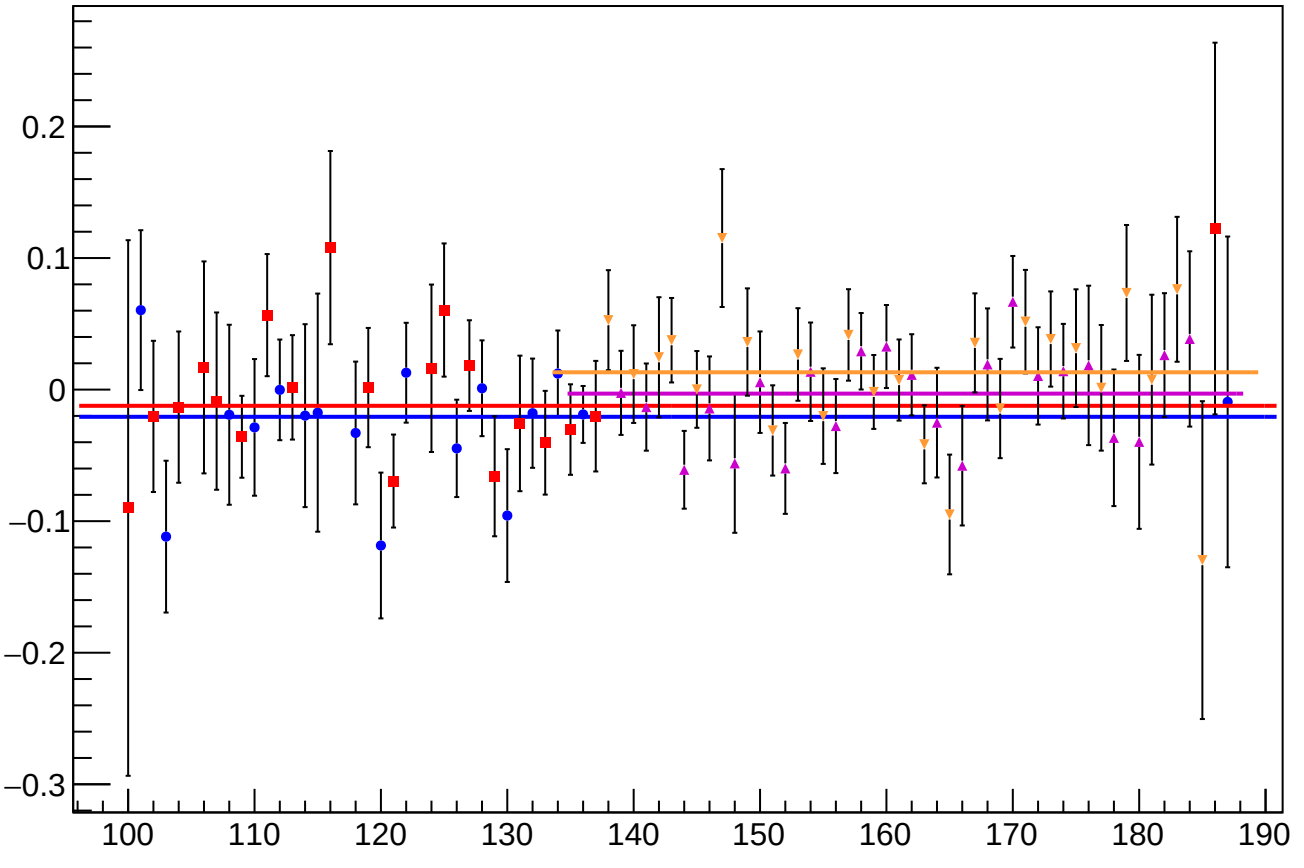
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 4910078.1/36

In: 0.000+/-0.000 χ^2/NDF:3061173.5/39

Out: 0.000+/-0.000 χ^2/NDF:3851915.2/44

All: 0.000+/-0.000 χ^2/NDF: 7017779.0/84



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.011 χ^2/NDF: 14.8/19

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

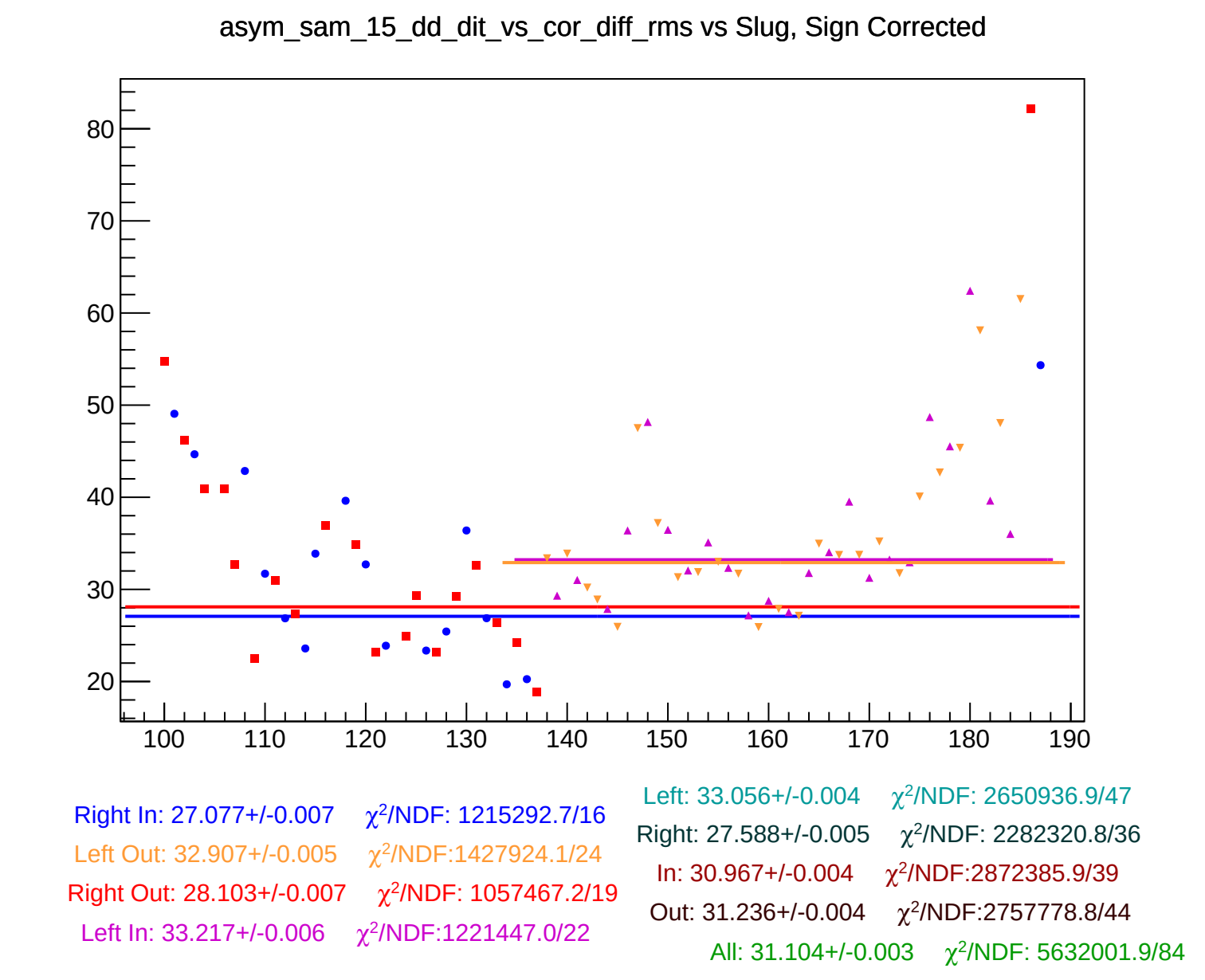
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

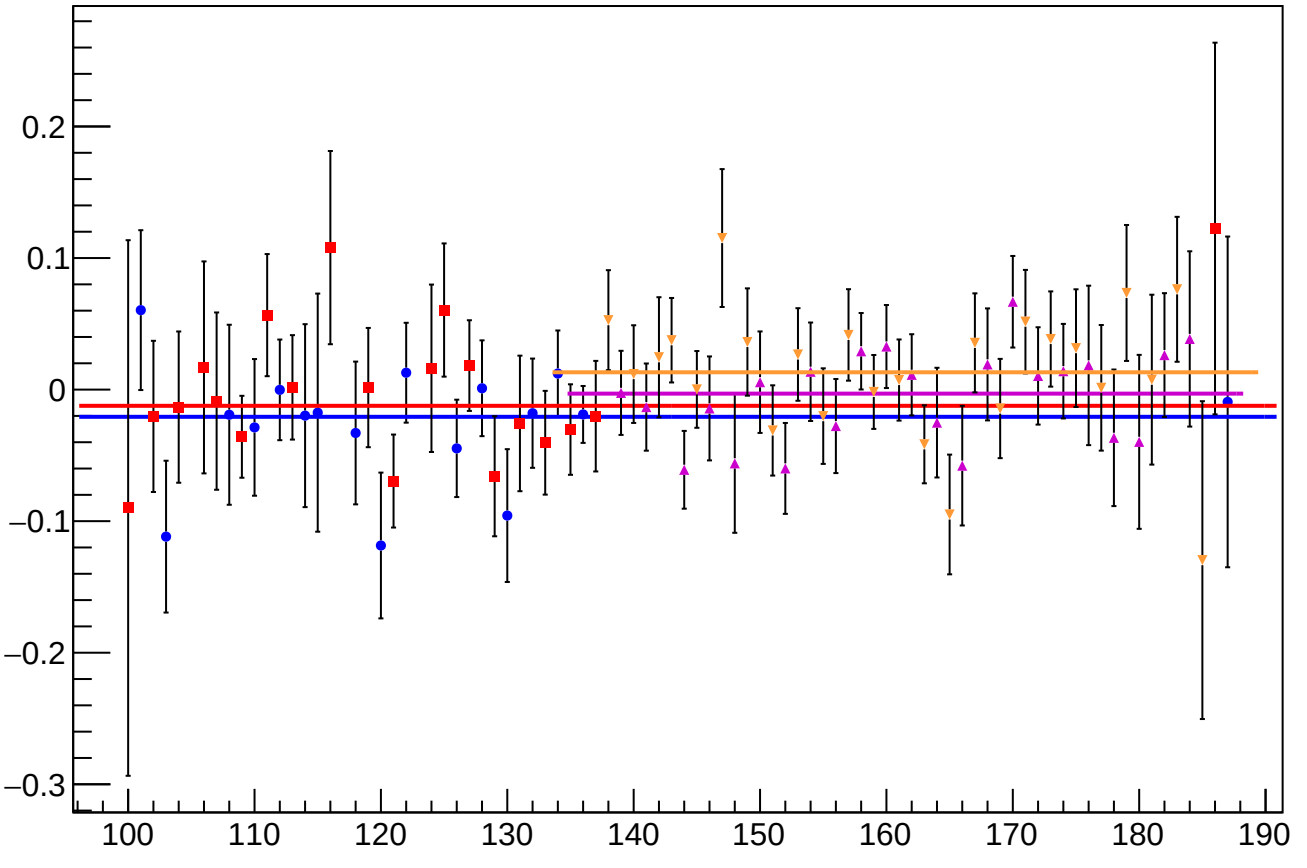
Right: -0.017+/-0.007 χ^2/NDF: 27.7/36

In: -0.010+/-0.006 χ^2/NDF:33.5/39

Out: 0.004+/-0.006 χ^2/NDF:44.0/44

All: -0.002+/-0.004 χ^2/NDF: 80.0/84


asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 27.077+/-0.007 χ²/NDF: 1215292.7/16
Left Out: 32.907+/-0.005 χ²/NDF:1427924.1/24
Right Out: 28.103+/-0.007 χ²/NDF: 1057467.2/19
Left In: 33.217+/-0.006 χ²/NDF:1221447.0/22
Left: 33.056+/-0.004 χ²/NDF: 2650936.9/47
Right: 27.588+/-0.005 χ²/NDF: 2282320.8/36
In: 30.967+/-0.004 χ²/NDF:2872385.9/39
Out: 31.236+/-0.004 χ²/NDF:2757778.8/44
All: 31.104+/-0.003 χ²/NDF: 5632001.9/84



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.011 χ^2/NDF: 14.8/19

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

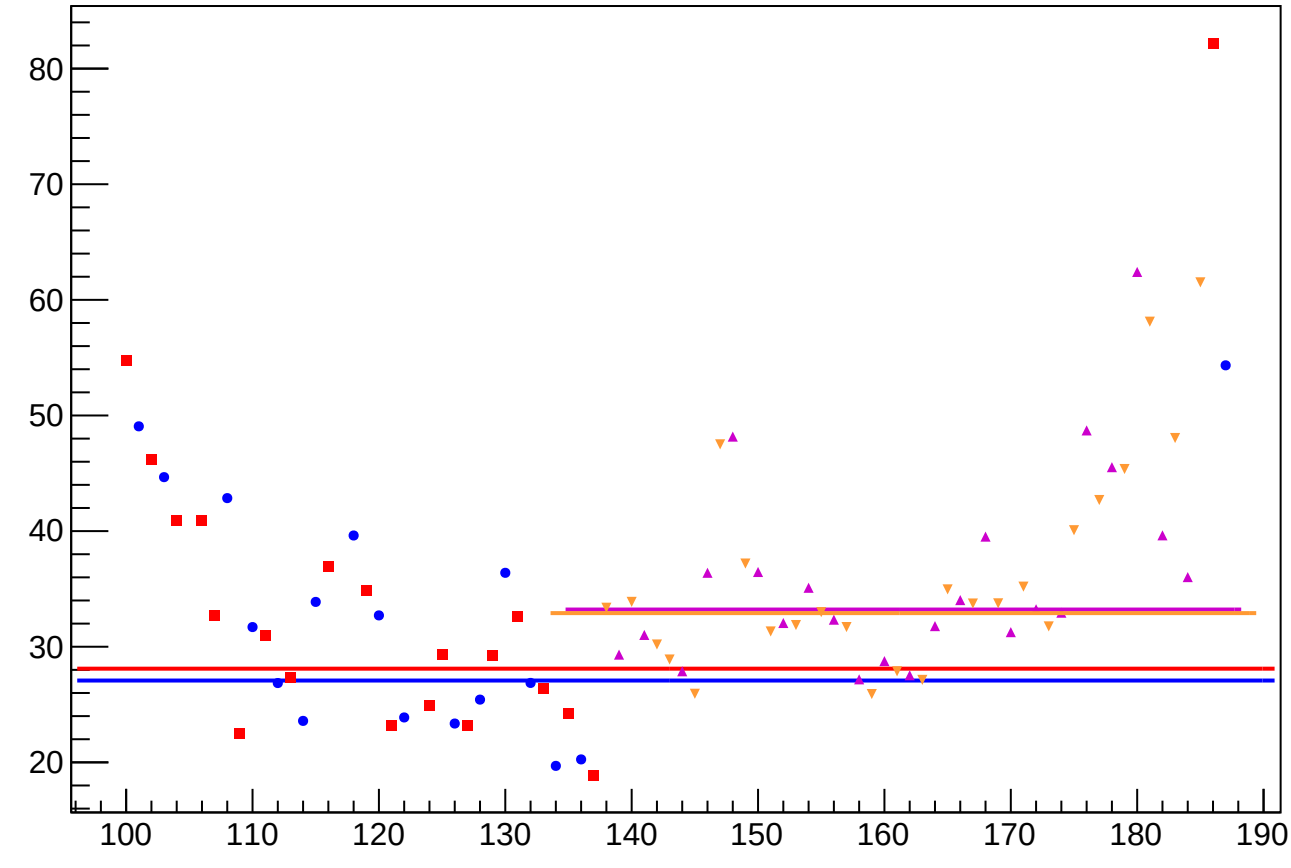
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.017+/-0.007 χ^2/NDF: 27.7/36

In: -0.010+/-0.006 χ^2/NDF:33.5/39

Out: 0.004+/-0.006 χ^2/NDF:44.0/44

All: -0.002+/-0.004 χ^2/NDF: 80.0/84



Right In: 27.077+/-0.007 χ^2/NDF: 1215292.7/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 28.103+/-0.007 χ^2/NDF: 1057467.2/19

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

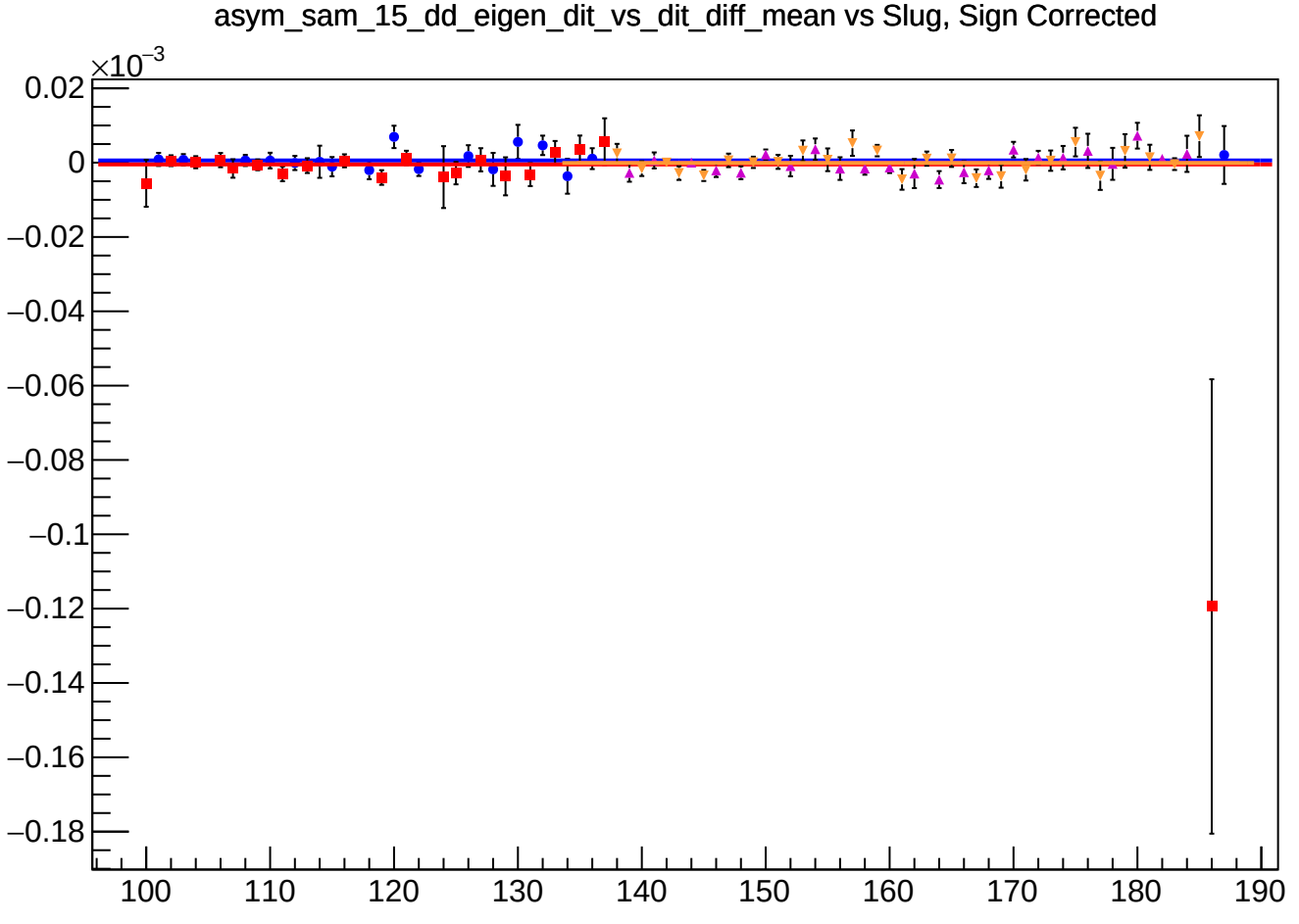
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 27.588+/-0.005 χ^2/NDF: 2282320.8/36

In: 30.967+/-0.004 χ^2/NDF:2872385.9/39

Out: 31.236+/-0.004 χ^2/NDF:2757778.8/44

All: 31.104+/-0.003 χ^2/NDF: 5632001.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 12.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/19

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

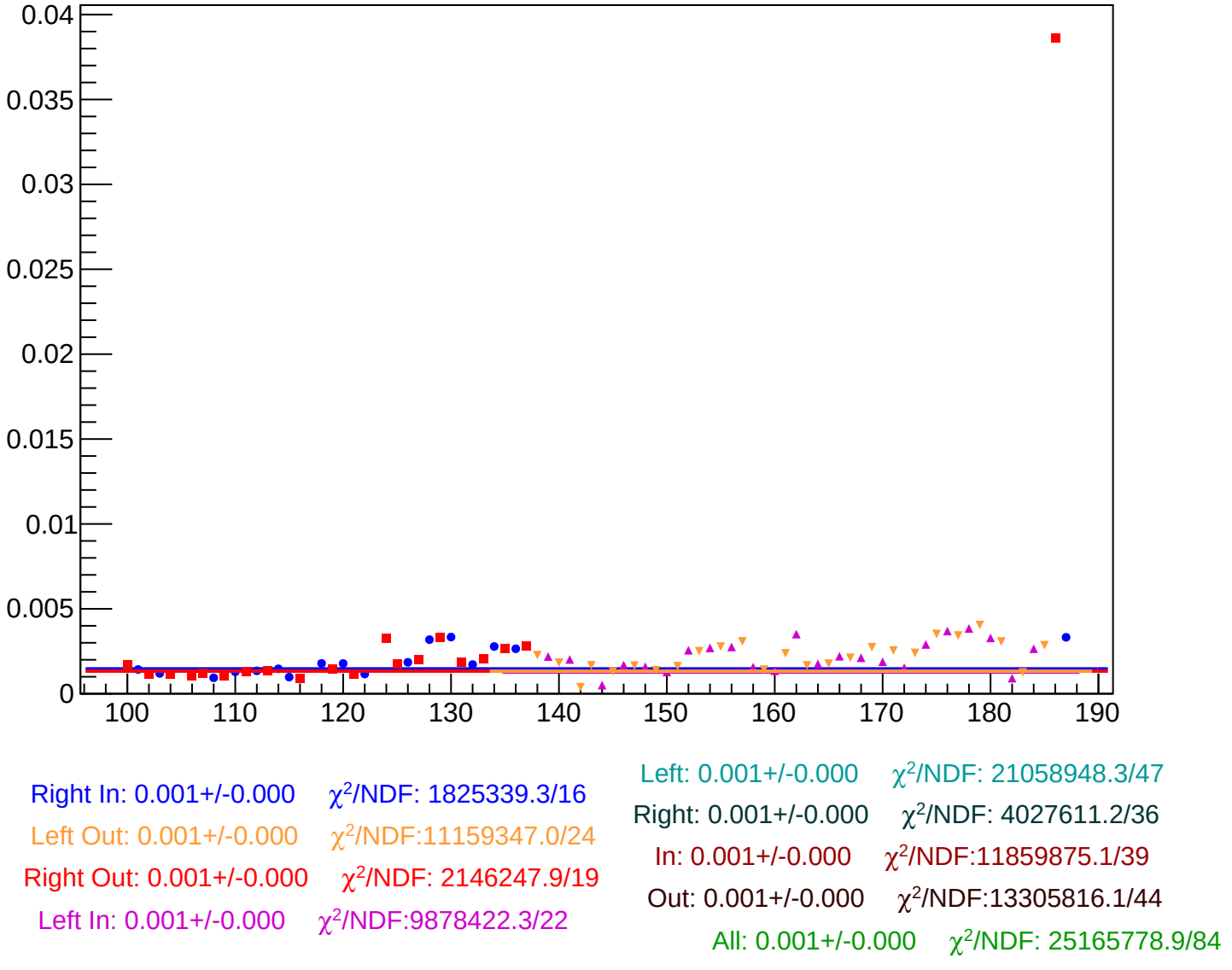
Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

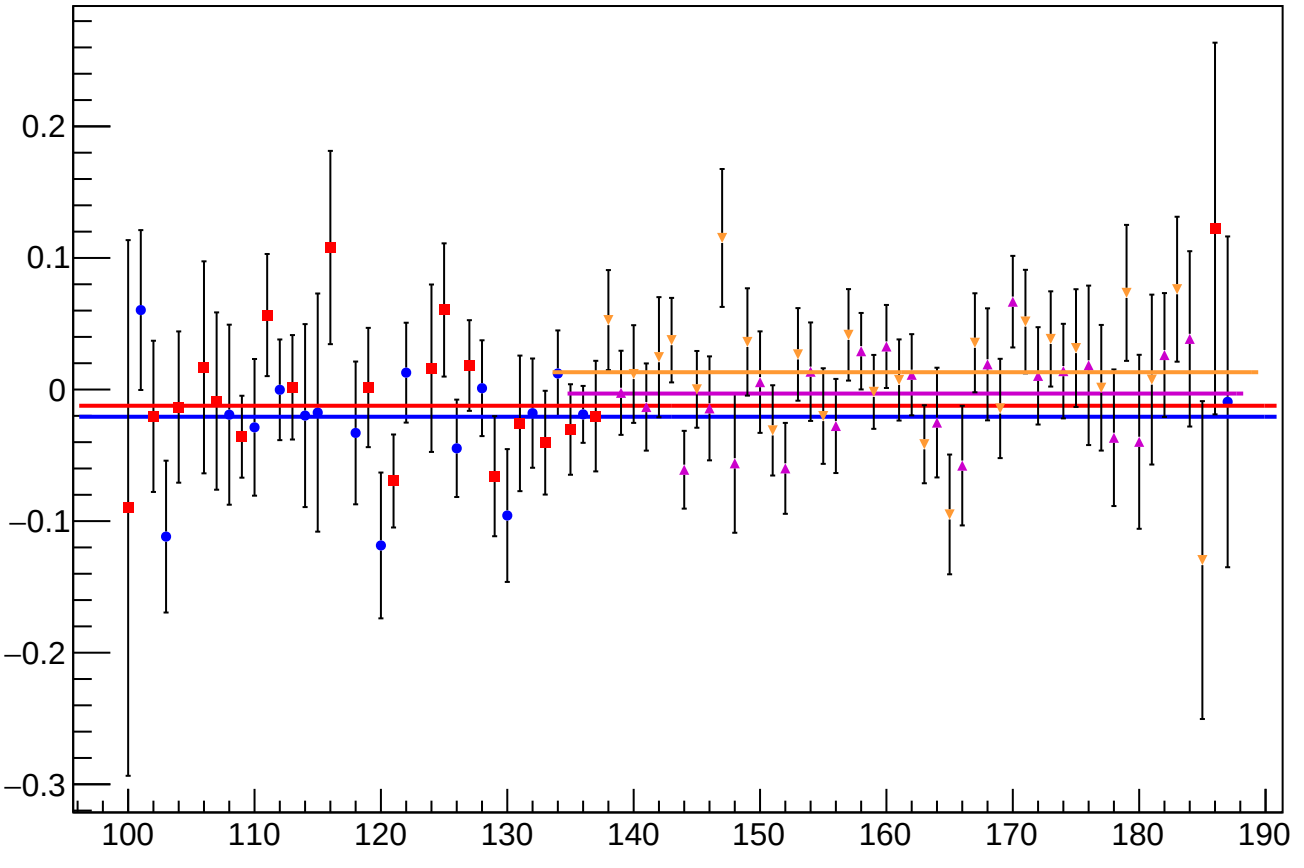
Right: -0.000+/-0.000 χ^2/NDF: 31.7/36

In: 0.000+/-0.000 χ^2/NDF:40.6/39

Out: -0.000+/-0.000 χ^2/NDF:48.4/44

All: -0.000+/-0.000 χ^2/NDF: 89.7/84


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ2/NDF: 1825339.3/16
Left Out: 0.001+/-0.000 χ2/NDF:11159347.0/24
Right Out: 0.001+/-0.000 χ2/NDF: 2146247.9/19
Left In: 0.001+/-0.000 χ2/NDF:9878422.3/22
Left: 0.001+/-0.000 χ2/NDF: 21058948.3/47
Right: 0.001+/-0.000 χ2/NDF: 4027611.2/36
In: 0.001+/-0.000 χ2/NDF:11859875.1/39
Out: 0.001+/-0.000 χ2/NDF:13305816.1/44
All: 0.001+/-0.000 χ2/NDF: 25165778.9/84



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.011 χ^2/NDF: 14.8/19

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

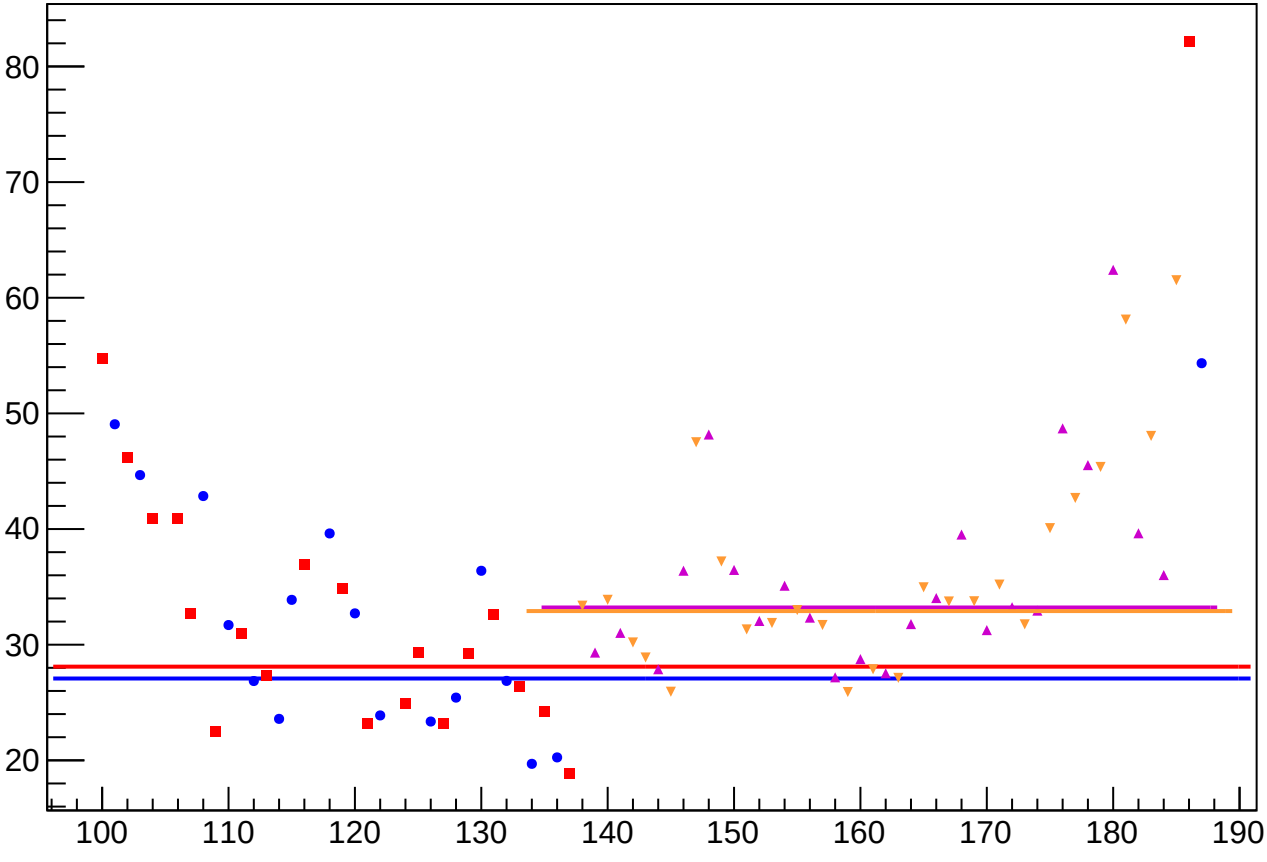
Right: -0.017+/-0.007 χ^2/NDF: 27.7/36

In: -0.010+/-0.006 χ^2/NDF:33.5/39

Out: 0.004+/-0.006 χ^2/NDF:44.0/44

All: -0.002+/-0.004 χ^2/NDF: 80.0/84

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.076+/-0.007 χ^2/NDF: 1215316.6/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 28.101+/-0.007 χ^2/NDF: 1057530.6/19

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

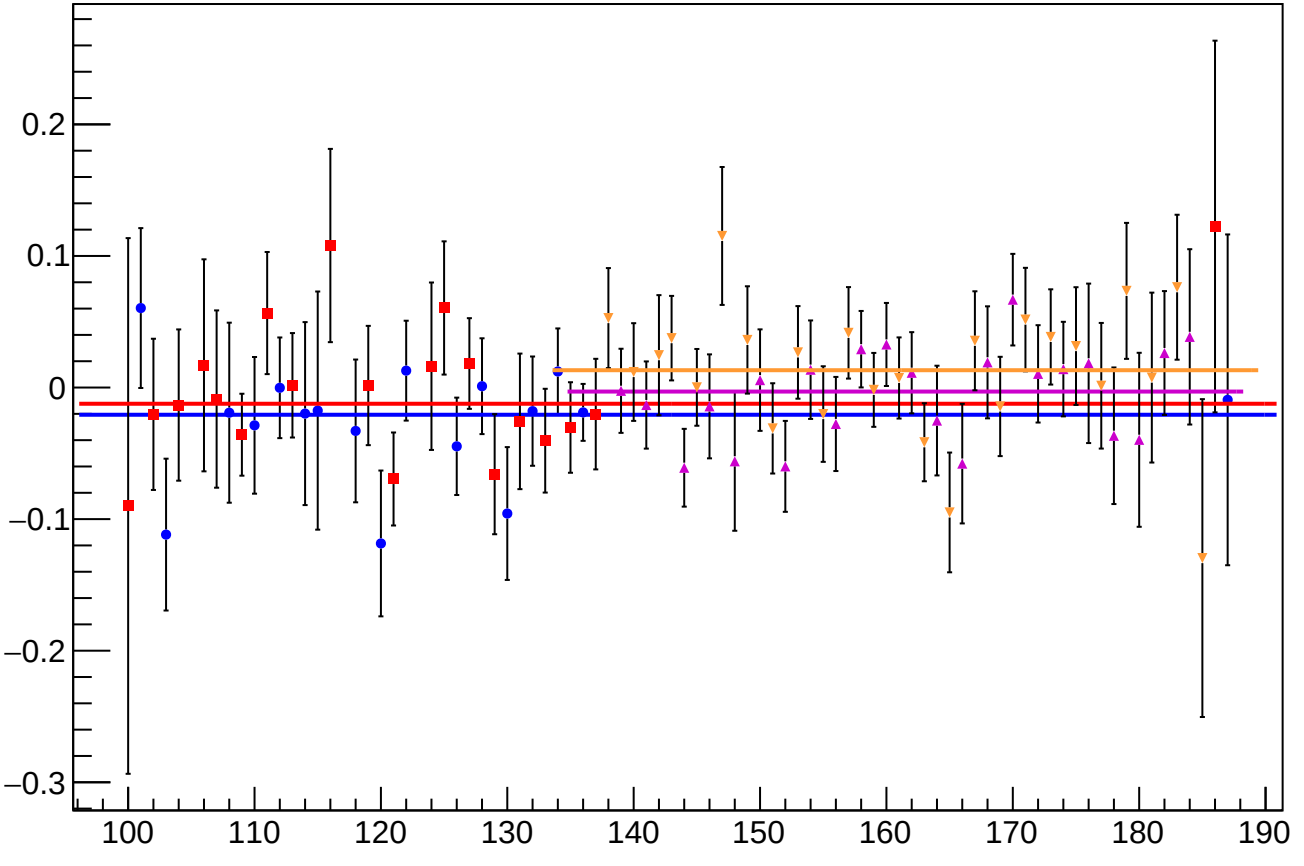
Right: 27.587+/-0.005 χ^2/NDF: 2282399.8/36

In: 30.967+/-0.004 χ^2/NDF:2872624.3/39

Out: 31.235+/-0.004 χ^2/NDF:2758073.5/44

All: 31.104+/-0.003 χ^2/NDF: 5632532.2/84

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.011 χ^2/NDF: 14.8/19

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

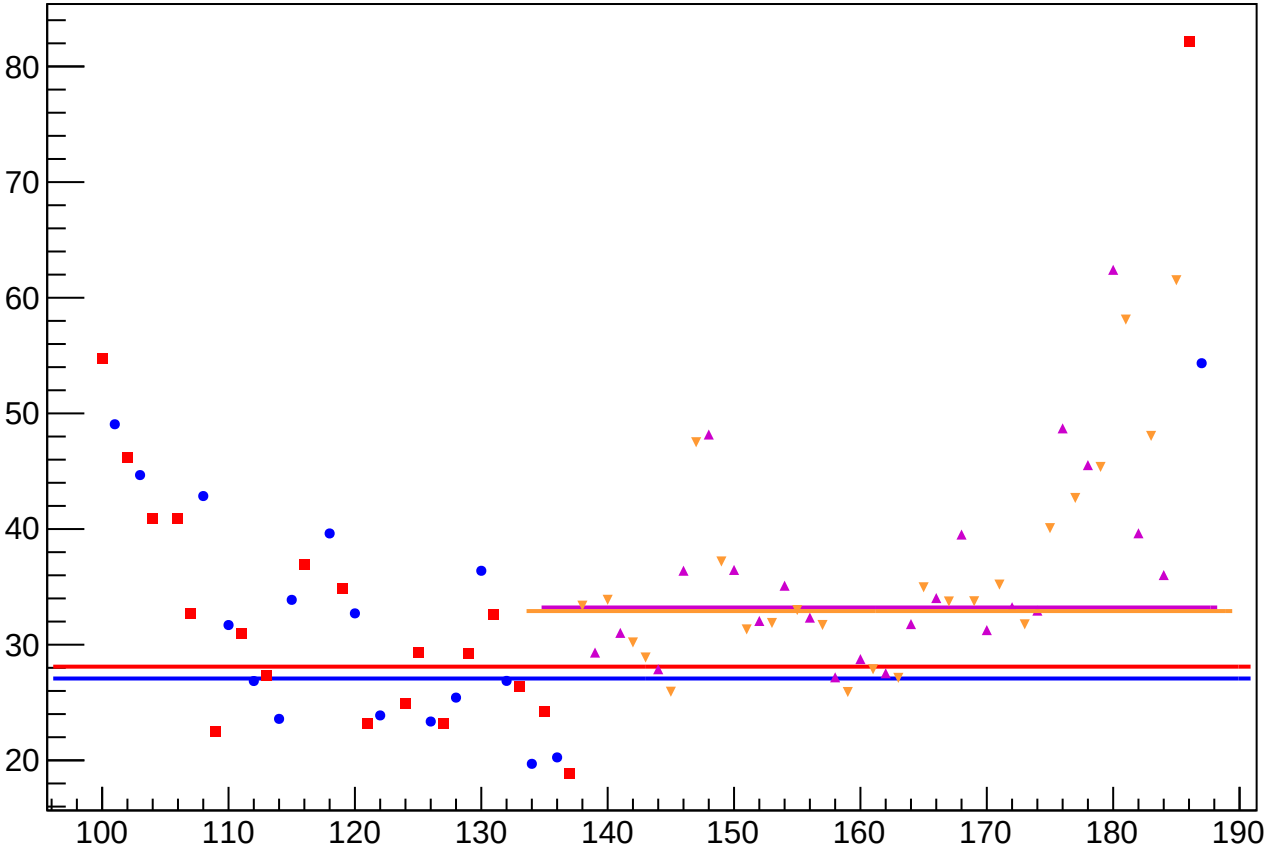
Right: -0.017+/-0.007 χ^2/NDF: 27.7/36

In: -0.010+/-0.006 χ^2/NDF:33.5/39

Out: 0.004+/-0.006 χ^2/NDF:44.0/44

All: -0.002+/-0.004 χ^2/NDF: 80.0/84

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.076+/-0.007 χ^2/NDF: 1215316.6/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 28.101+/-0.007 χ^2/NDF: 1057530.6/19

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

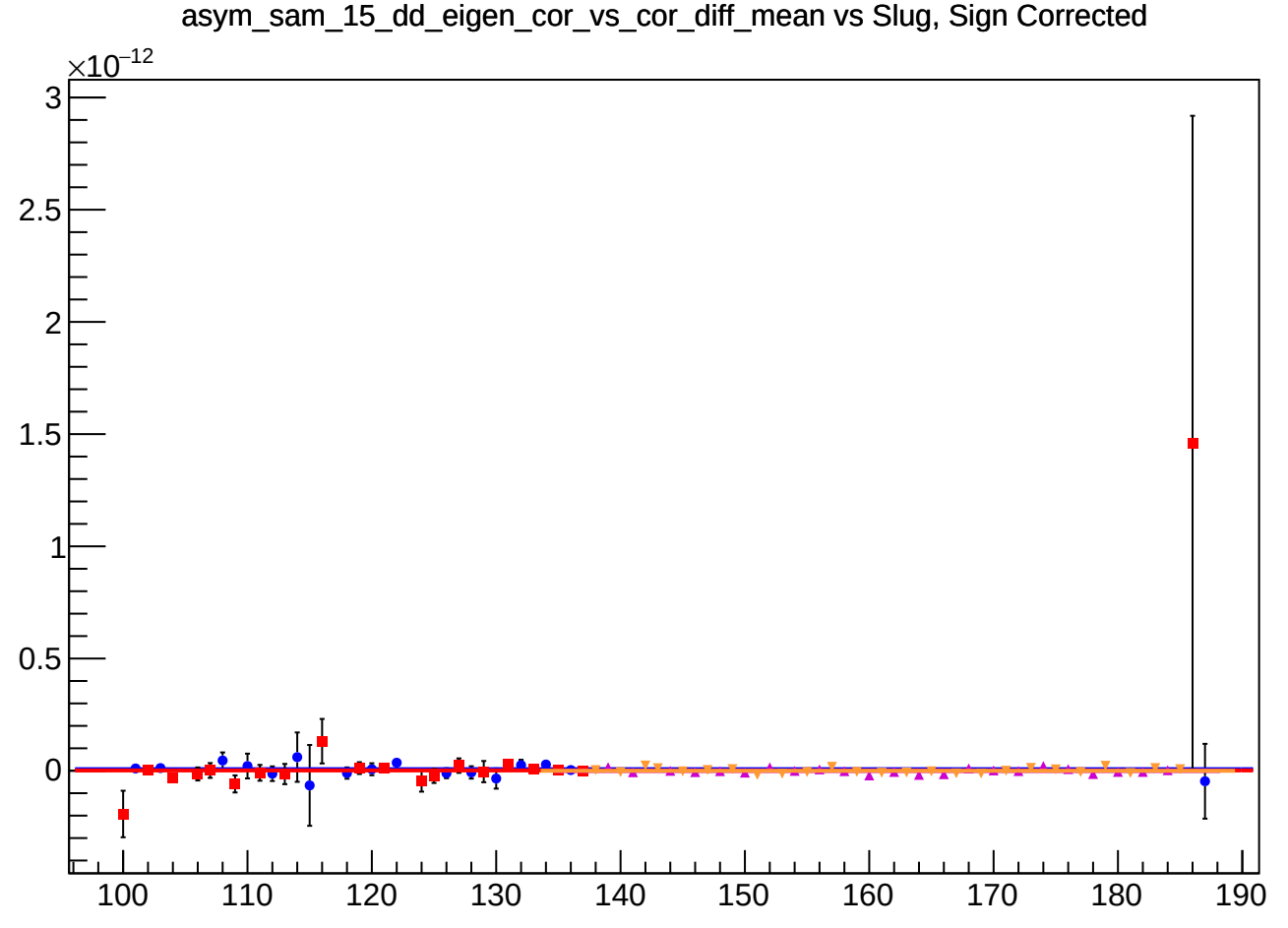
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 27.587+/-0.005 χ^2/NDF: 2282399.8/36

In: 30.967+/-0.004 χ^2/NDF:2872624.3/39

Out: 31.235+/-0.004 χ^2/NDF:2758073.5/44

All: 31.104+/-0.003 χ^2/NDF: 5632532.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/19

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

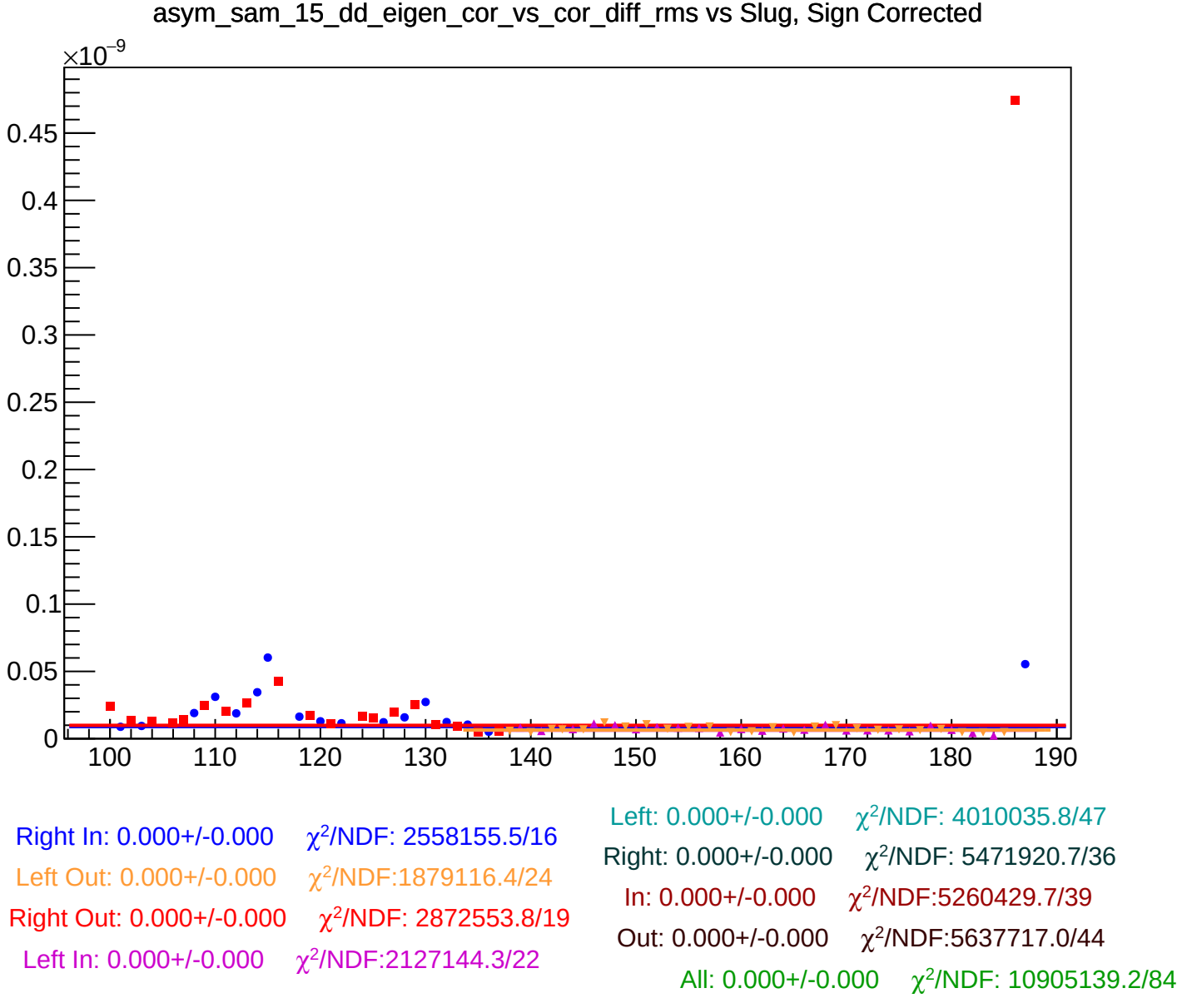
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

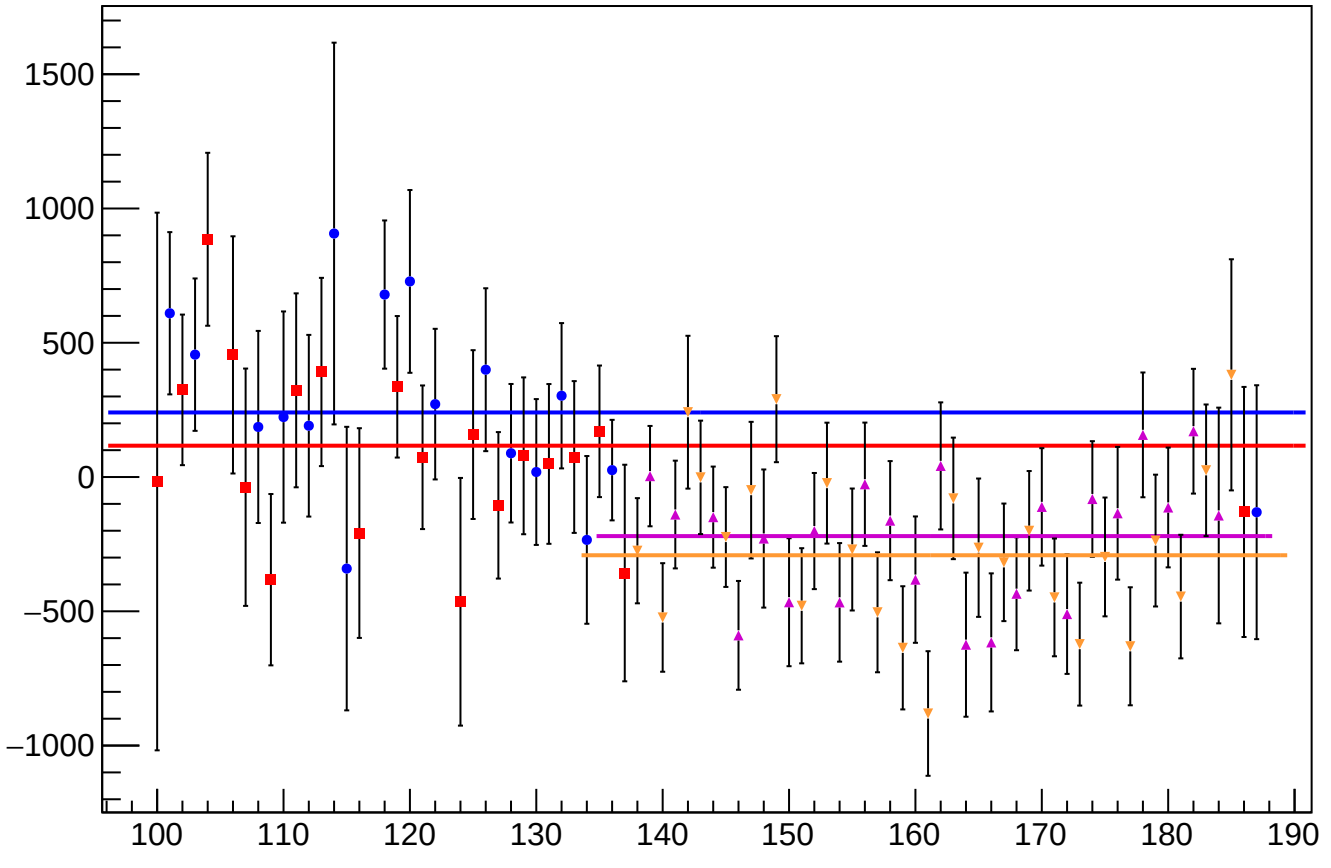
Right: 0.000+/-0.000 χ^2/NDF: 25.4/36

In: -0.000+/-0.000 χ^2/NDF:36.5/39

Out: -0.000+/-0.000 χ^2/NDF:47.4/44

All: -0.000+/-0.000 χ^2/NDF: 83.9/84


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2558155.5/16
Left Out: 0.000+/-0.000 χ²/NDF:1879116.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2872553.8/19
Left In: 0.000+/-0.000 χ²/NDF:2127144.3/22
Left: 0.000+/-0.000 χ²/NDF: 4010035.8/47
Right: 0.000+/-0.000 χ²/NDF: 5471920.7/36
In: 0.000+/-0.000 χ²/NDF:5260429.7/39
Out: 0.000+/-0.000 χ²/NDF:5637717.0/44
All: 0.000+/-0.000 χ²/NDF: 10905139.2/84



Right In: 240.445+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 116.699+/-73.439 χ^2/NDF: 15.8/19

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

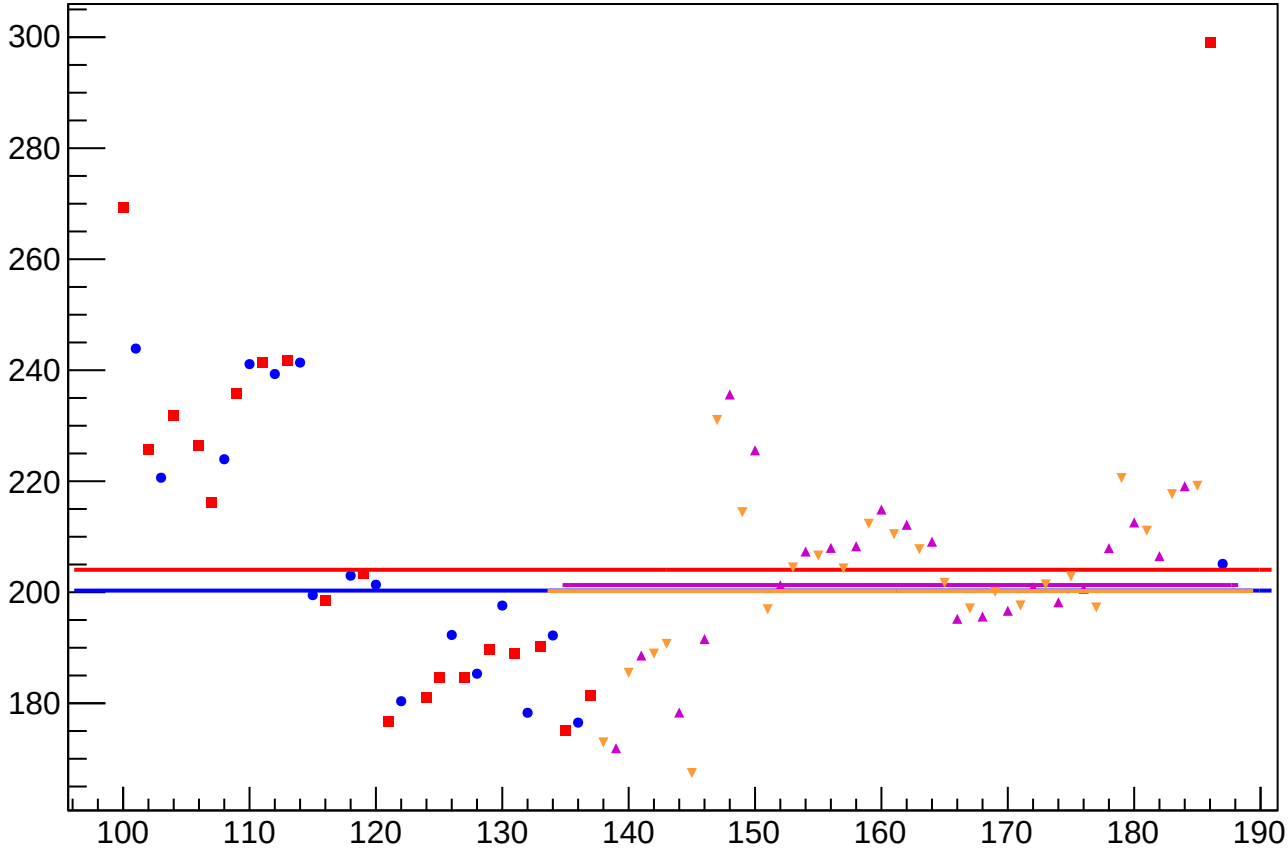
Right: 178.138+/-52.111 χ^2/NDF: 31.6/36

In: -86.931+/-39.755 χ^2/NDF:65.7/39

Out: -177.729+/-38.748 χ^2/NDF:74.5/44

All: -133.495+/-27.748 χ^2/NDF: 142.8/84

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.298+/-0.052 χ^2/NDF: 181213.7/16

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 204.050+/-0.052 χ^2/NDF: 282597.3/19

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

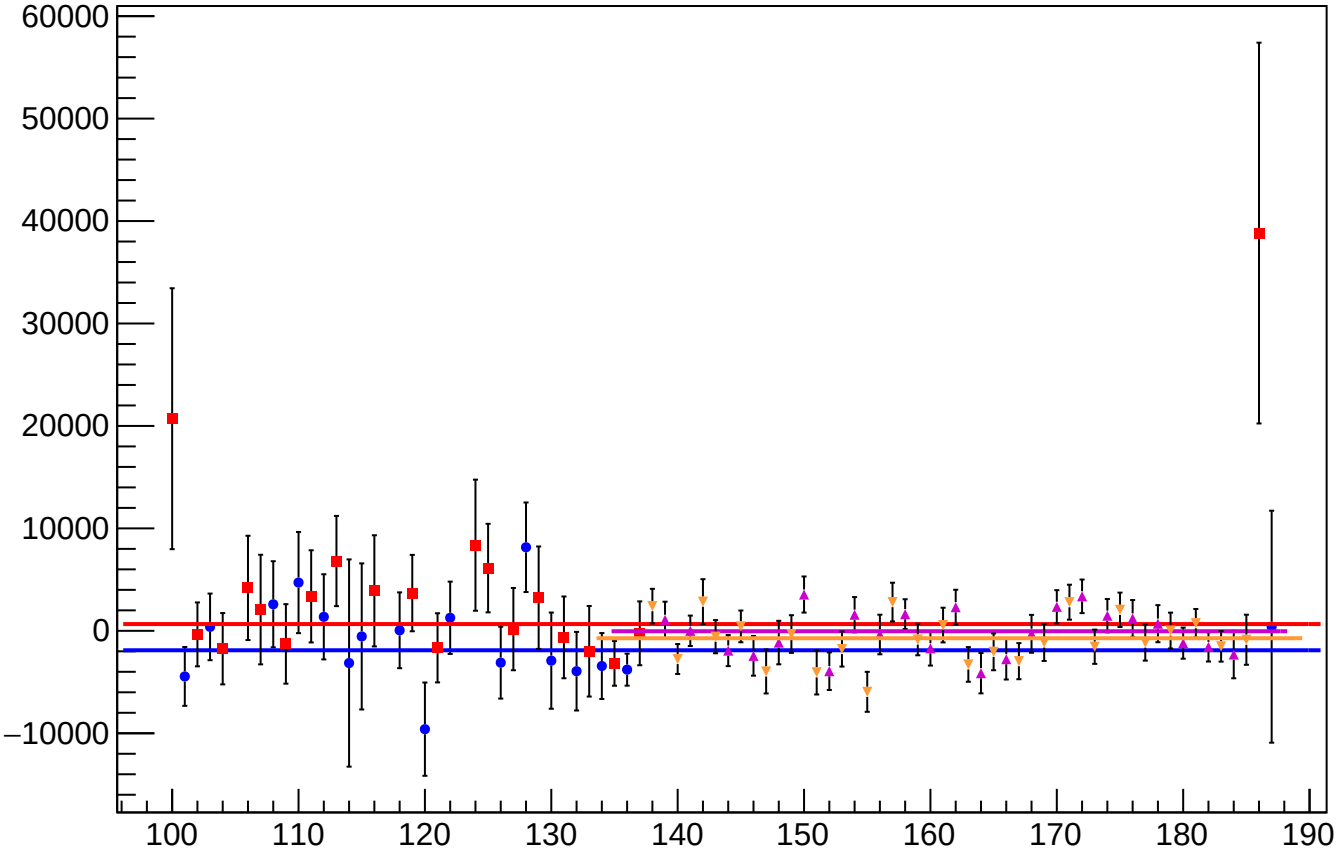
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 202.187+/-0.037 χ^2/NDF: 466403.6/36

In: 201.008+/-0.028 χ^2/NDF:363120.4/39

Out: 201.279+/-0.027 χ^2/NDF:490937.4/44

All: 201.147+/-0.020 χ^2/NDF: 854105.3/84



Right In: -1897.096+/-856.625 χ^2/NDF: 16.3/16

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 660.534+/-899.397 χ^2/NDF: 18.9/19

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

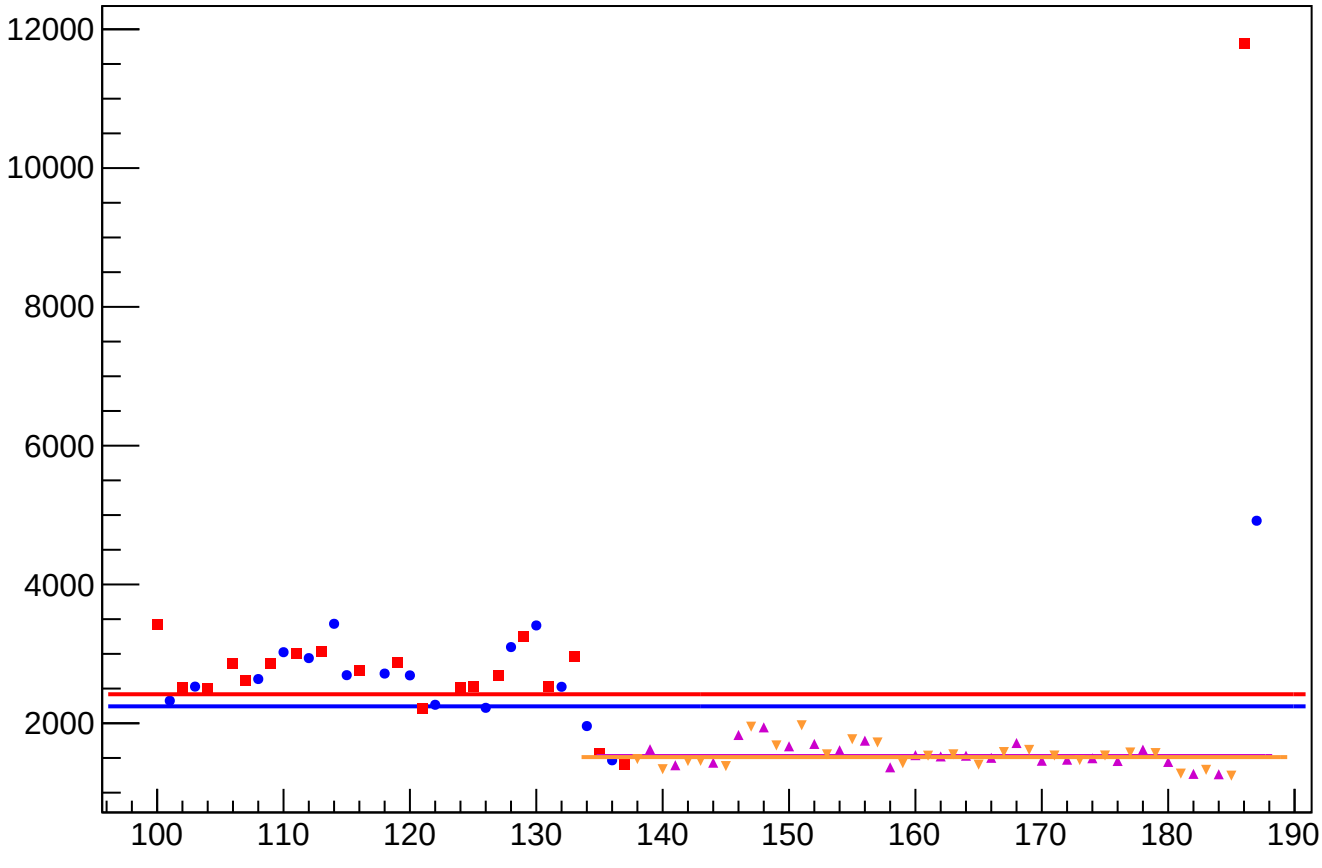
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -680.540+/-620.295 χ^2/NDF: 39.4/36

In: -317.174+/-331.307 χ^2/NDF:54.7/39

Out: -542.299+/-323.234 χ^2/NDF:59.2/44

All: -432.513+/-231.362 χ^2/NDF: 114.1/84



Right In: 2243.829+/-0.606 χ^2/NDF: 1059895.1/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2418.088+/-0.636 χ^2/NDF: 1309632.0/19

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

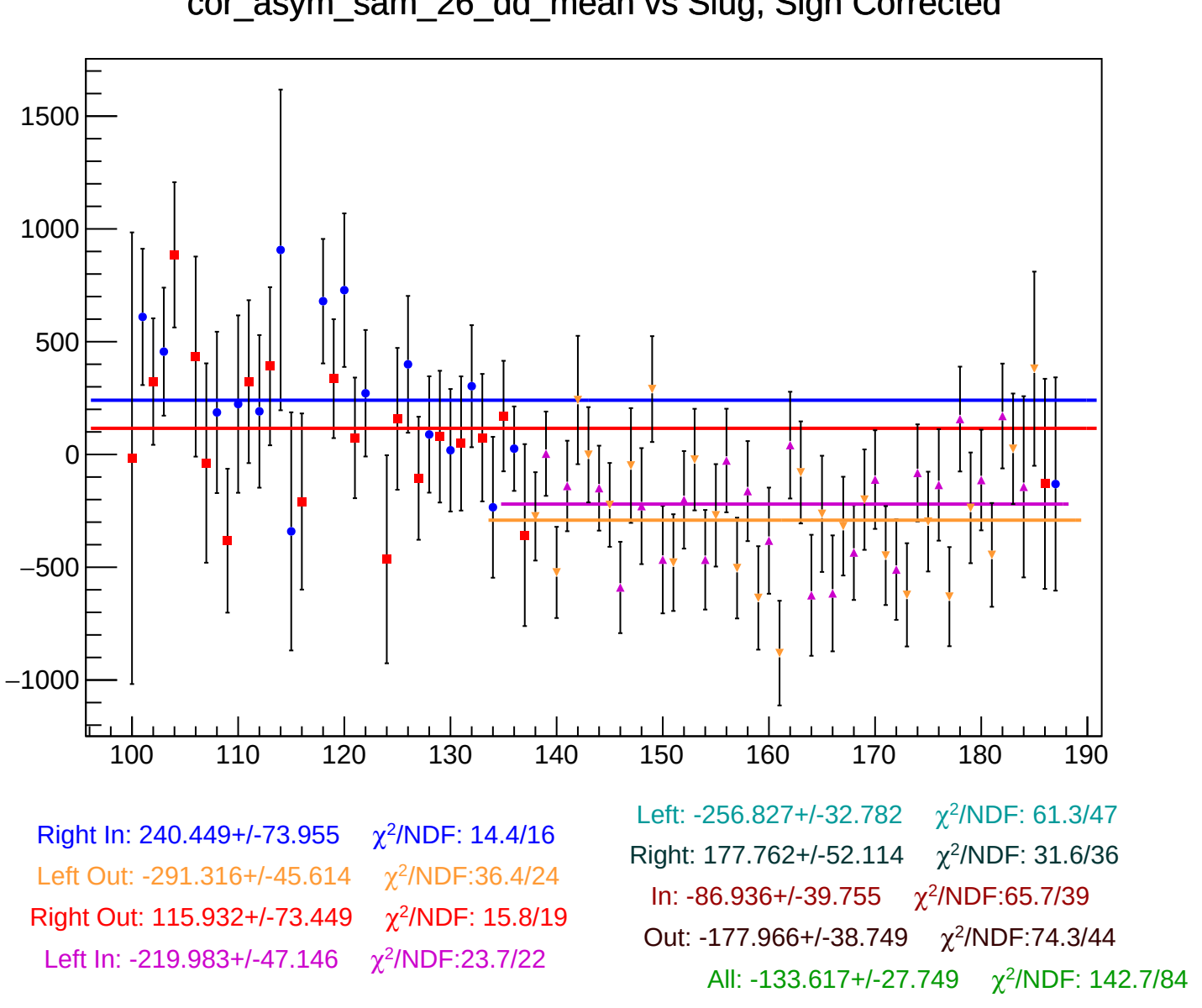
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2326.717+/-0.439 χ^2/NDF: 2408894.4/36

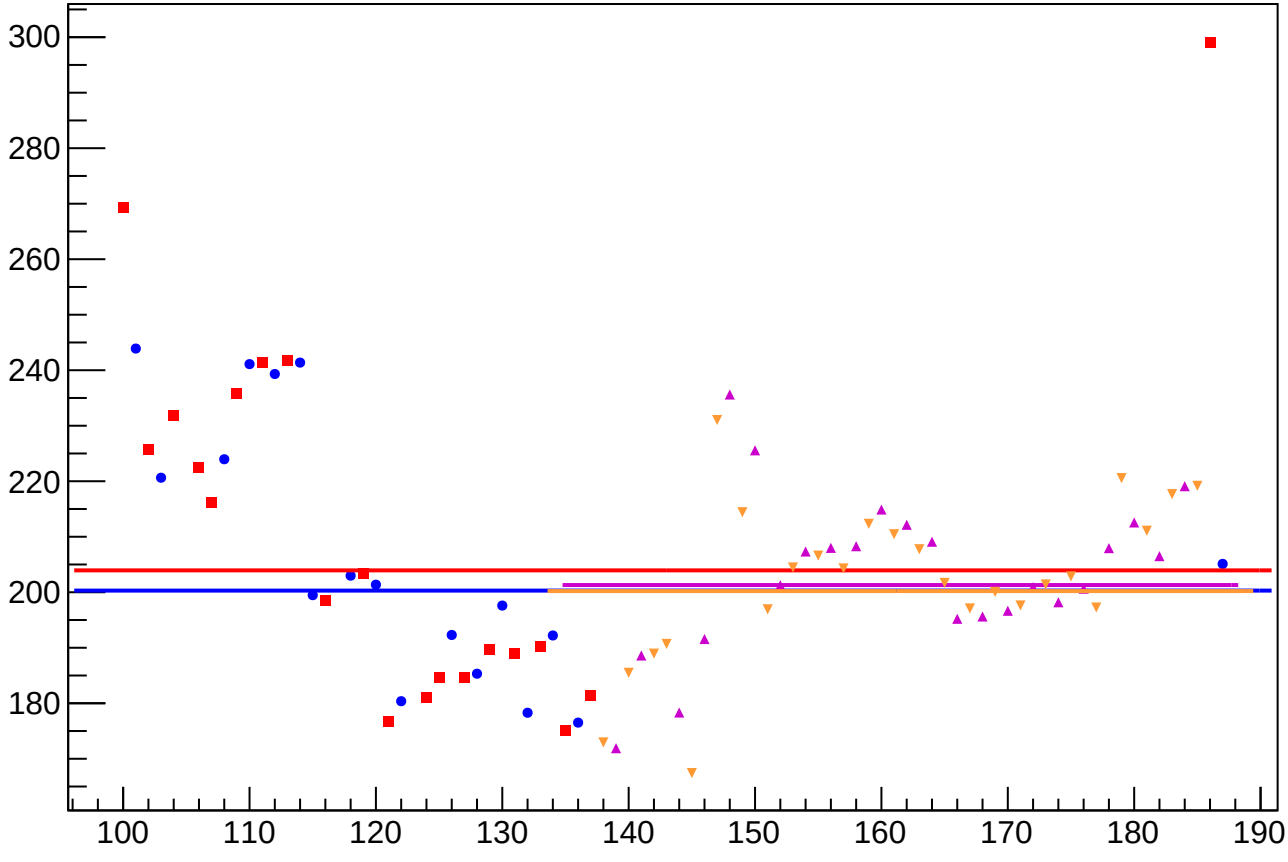
In: 1635.045+/-0.234 χ^2/NDF:2621538.2/39

Out: 1629.349+/-0.229 χ^2/NDF:3518460.8/44

All: 1632.126+/-0.164 χ^2/NDF: 6140301.9/84


cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 240.449+/-73.955 χ²/NDF: 14.4/16
Left Out: -291.316+/-45.614 χ²/NDF:36.4/24
Right Out: 115.932+/-73.449 χ²/NDF: 15.8/19
Left In: -219.983+/-47.146 χ²/NDF:23.7/22
Left: -256.827+/-32.782 χ²/NDF: 61.3/47
Right: 177.762+/-52.114 χ²/NDF: 31.6/36
In: -86.936+/-39.755 χ²/NDF:65.7/39
Out: -177.966+/-38.749 χ²/NDF:74.3/44
All: -133.617+/-27.749 χ²/NDF: 142.7/84

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.298+/-0.052 χ^2/NDF: 181214.0/16

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 203.941+/-0.052 χ^2/NDF: 280980.0/19

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

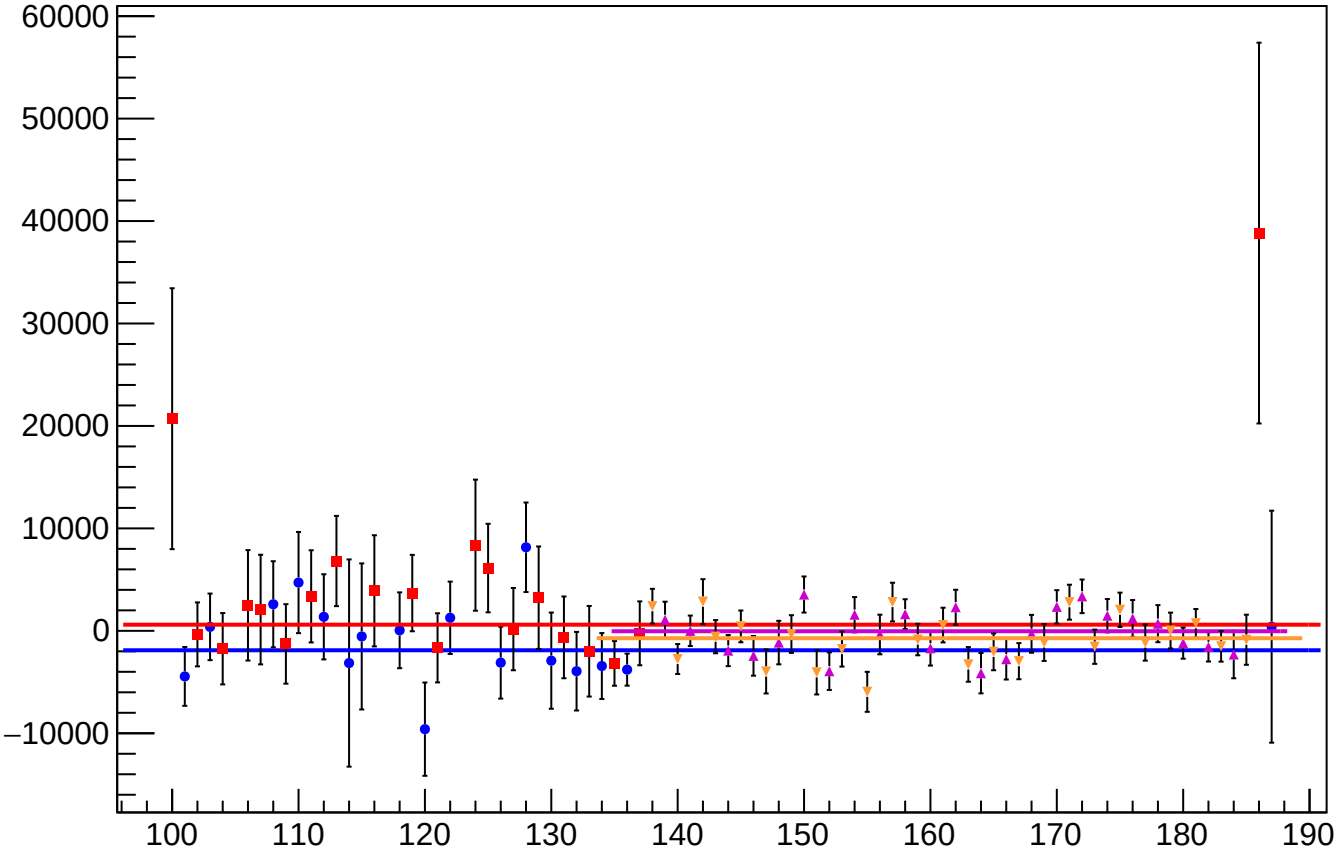
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 202.132+/-0.037 χ^2/NDF: 464637.4/36

In: 201.008+/-0.028 χ^2/NDF:363120.7/39

Out: 201.248+/-0.027 χ^2/NDF:489097.9/44

All: 201.131+/-0.020 χ^2/NDF: 852256.0/84



Right In: -1897.058+/-856.627 χ^2/NDF: 16.3/16

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 601.315+/-900.954 χ^2/NDF: 18.5/19

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

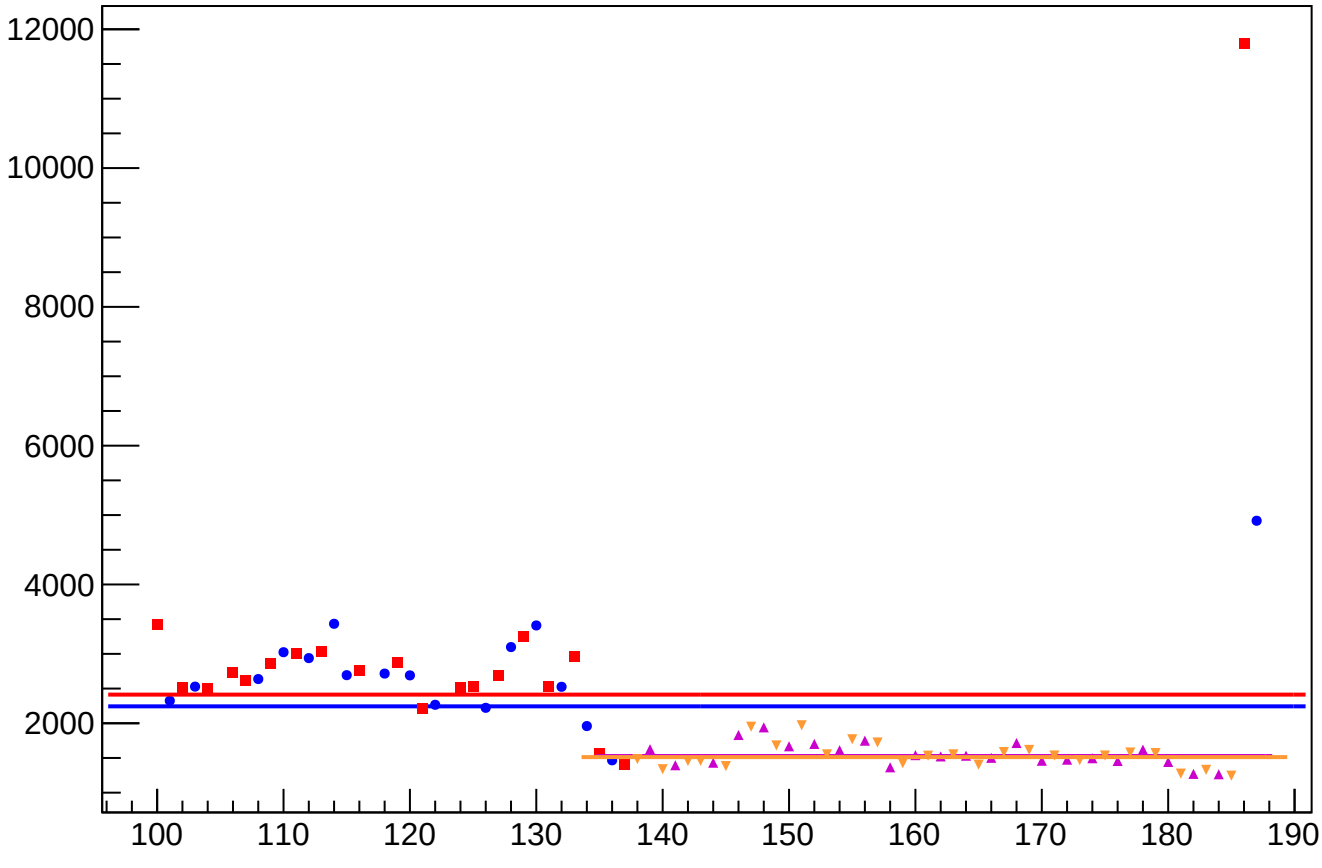
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -710.842+/-620.806 χ^2/NDF: 38.8/36

In: -317.166+/-331.307 χ^2/NDF:54.7/39

Out: -550.466+/-323.306 χ^2/NDF:58.6/44

All: -436.667+/-231.389 χ^2/NDF: 113.6/84



Right In: 2243.833+/-0.606 χ^2/NDF: 1059899.3/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2412.828+/-0.637 χ^2/NDF: 1300770.7/19

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

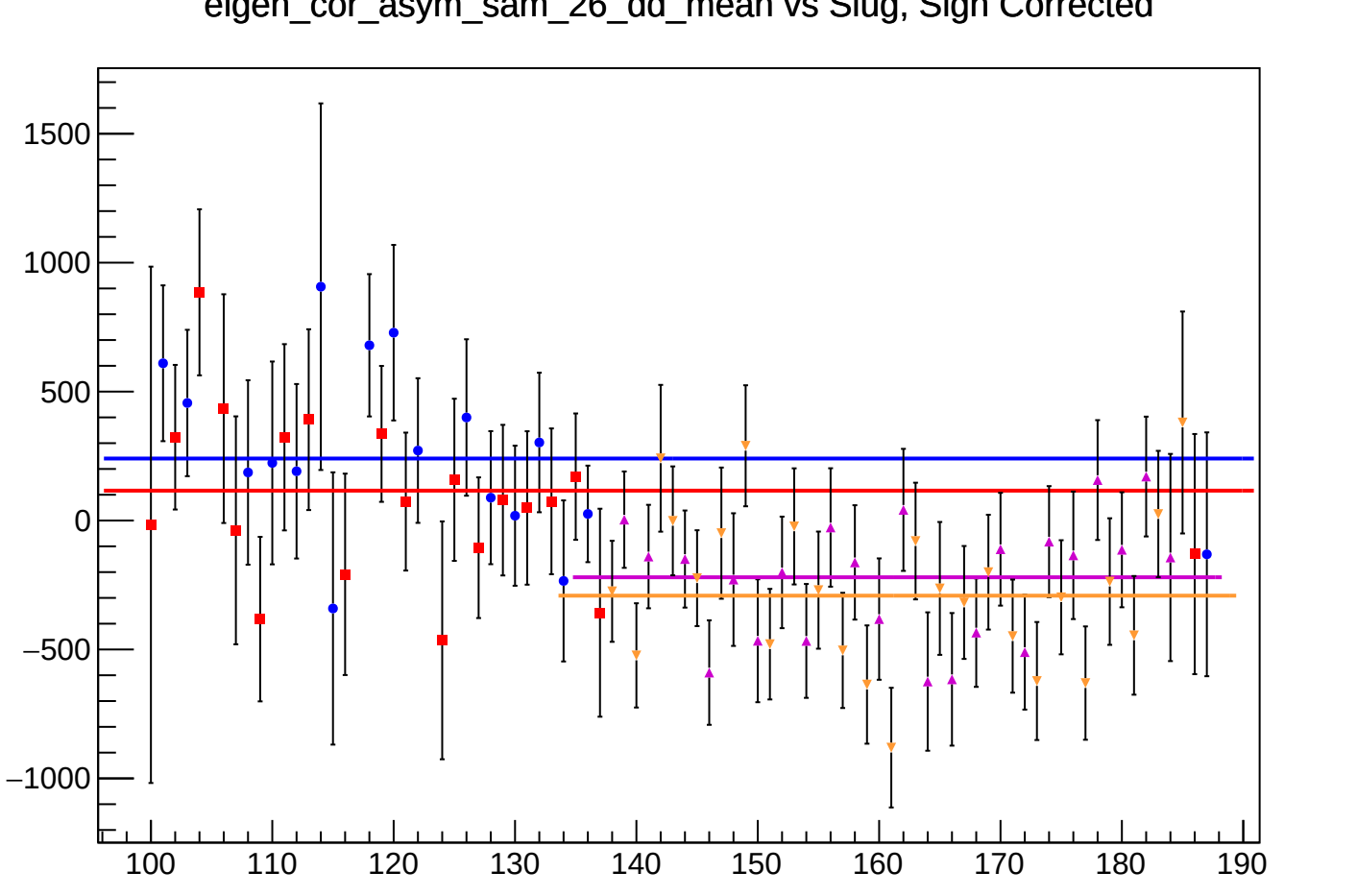
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2324.071+/-0.439 χ^2/NDF: 2397627.7/36

In: 1635.045+/-0.234 χ^2/NDF:2621551.1/39

Out: 1628.319+/-0.229 χ^2/NDF:3483890.8/44

All: 1631.600+/-0.164 χ^2/NDF: 6105864.1/84



Right In: 240.449+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 115.932+/-73.449 χ^2/NDF: 15.8/19

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

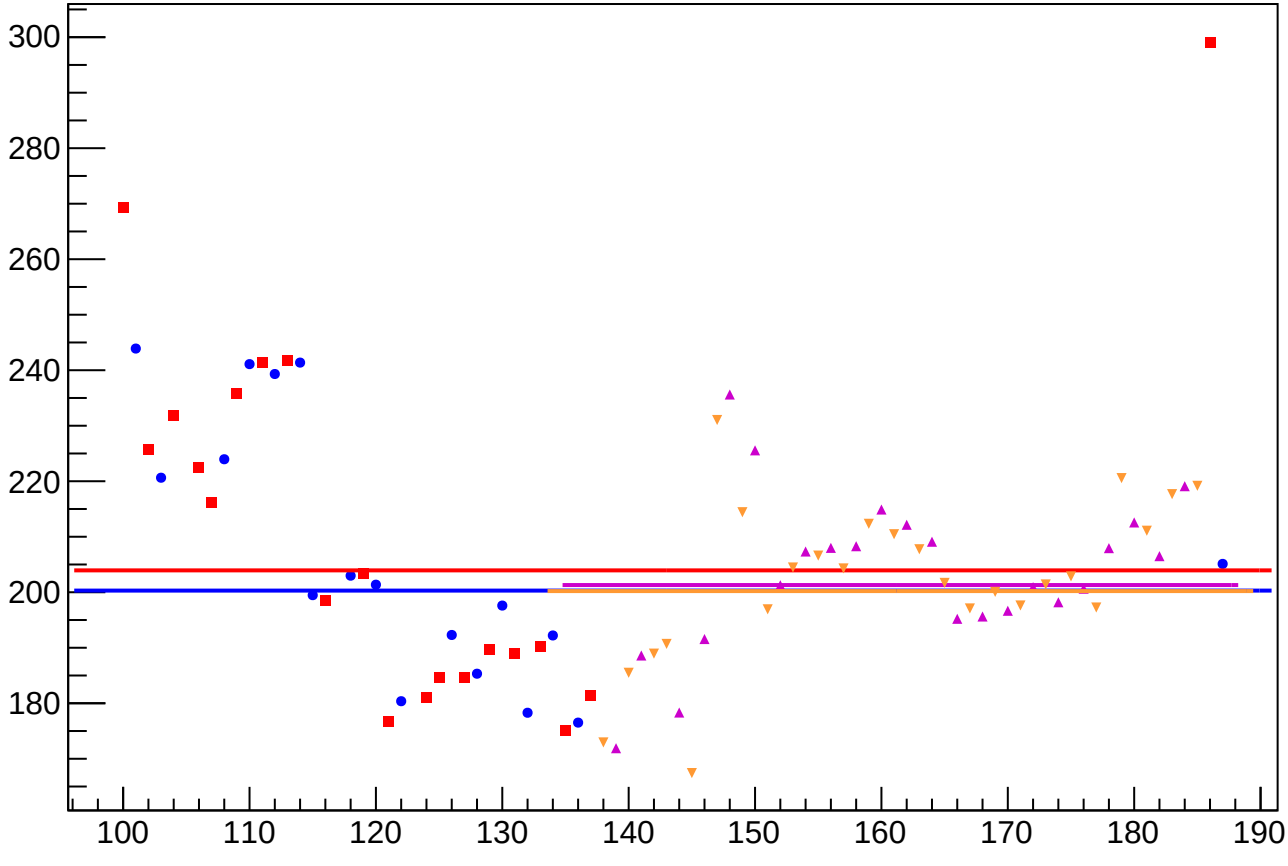
Right: 177.762+/-52.114 χ^2/NDF: 31.6/36

In: -86.936+/-39.755 χ^2/NDF:65.7/39

Out: -177.966+/-38.749 χ^2/NDF:74.3/44

All: -133.617+/-27.749 χ^2/NDF: 142.7/84

eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.298+/-0.052 χ^2/NDF: 181214.0/16

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 203.941+/-0.052 χ^2/NDF: 280980.0/19

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

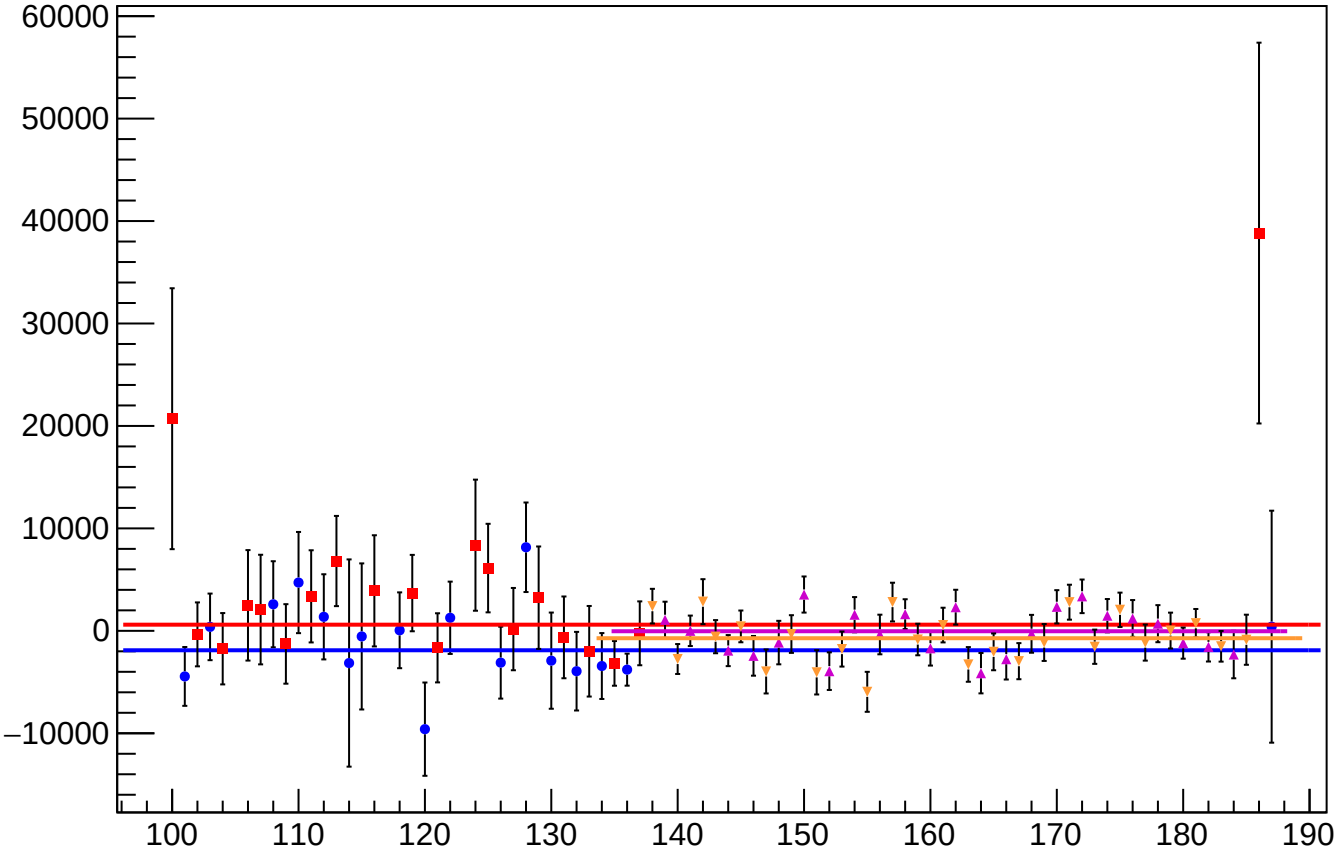
Right: 202.132+/-0.037 χ^2/NDF: 464637.4/36

In: 201.008+/-0.028 χ^2/NDF:363120.7/39

Out: 201.248+/-0.027 χ^2/NDF:489097.9/44

All: 201.131+/-0.020 χ^2/NDF: 852256.0/84

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1897.058+/-856.627 χ^2/NDF: 16.3/16

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 601.315+/-900.954 χ^2/NDF: 18.5/19

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

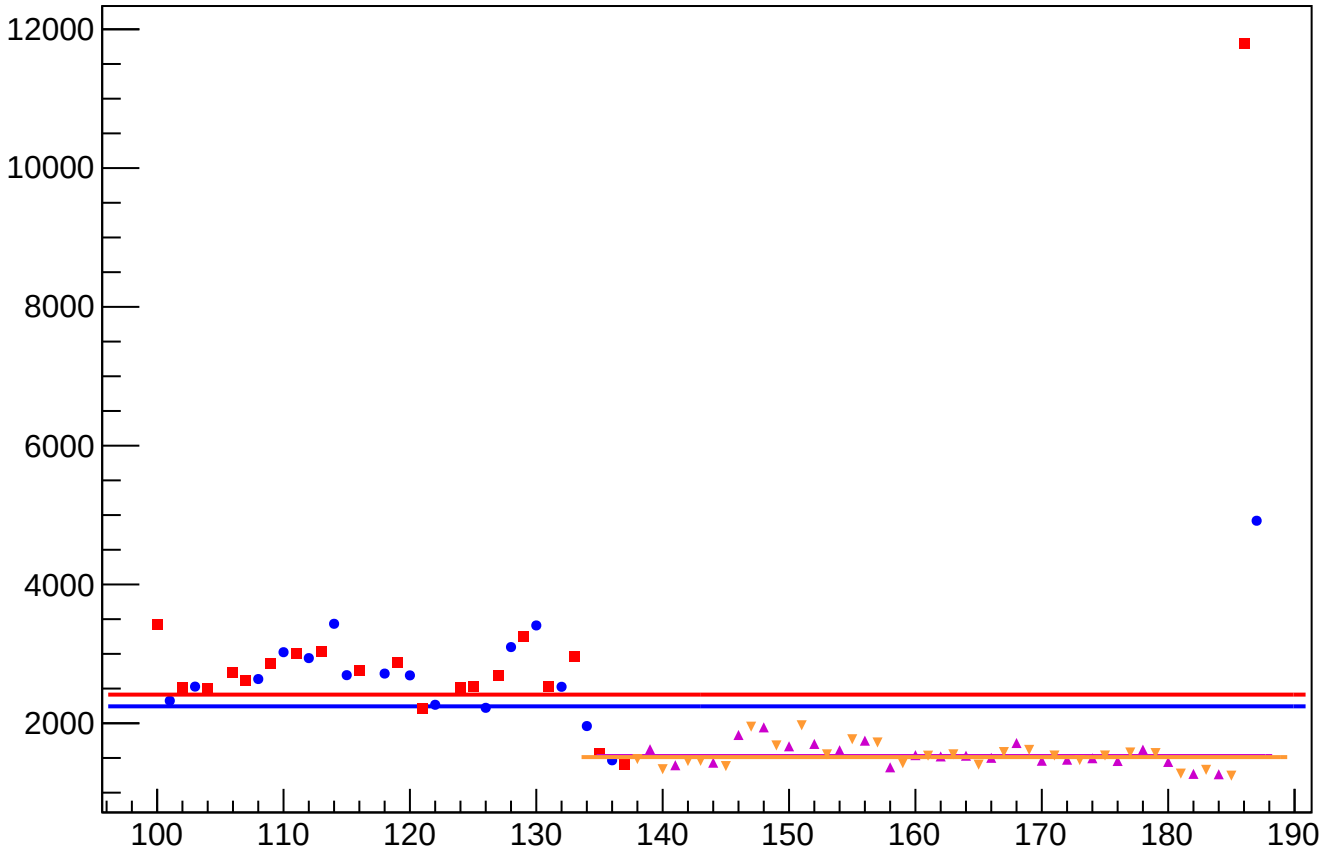
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -710.842+/-620.806 χ^2/NDF: 38.8/36

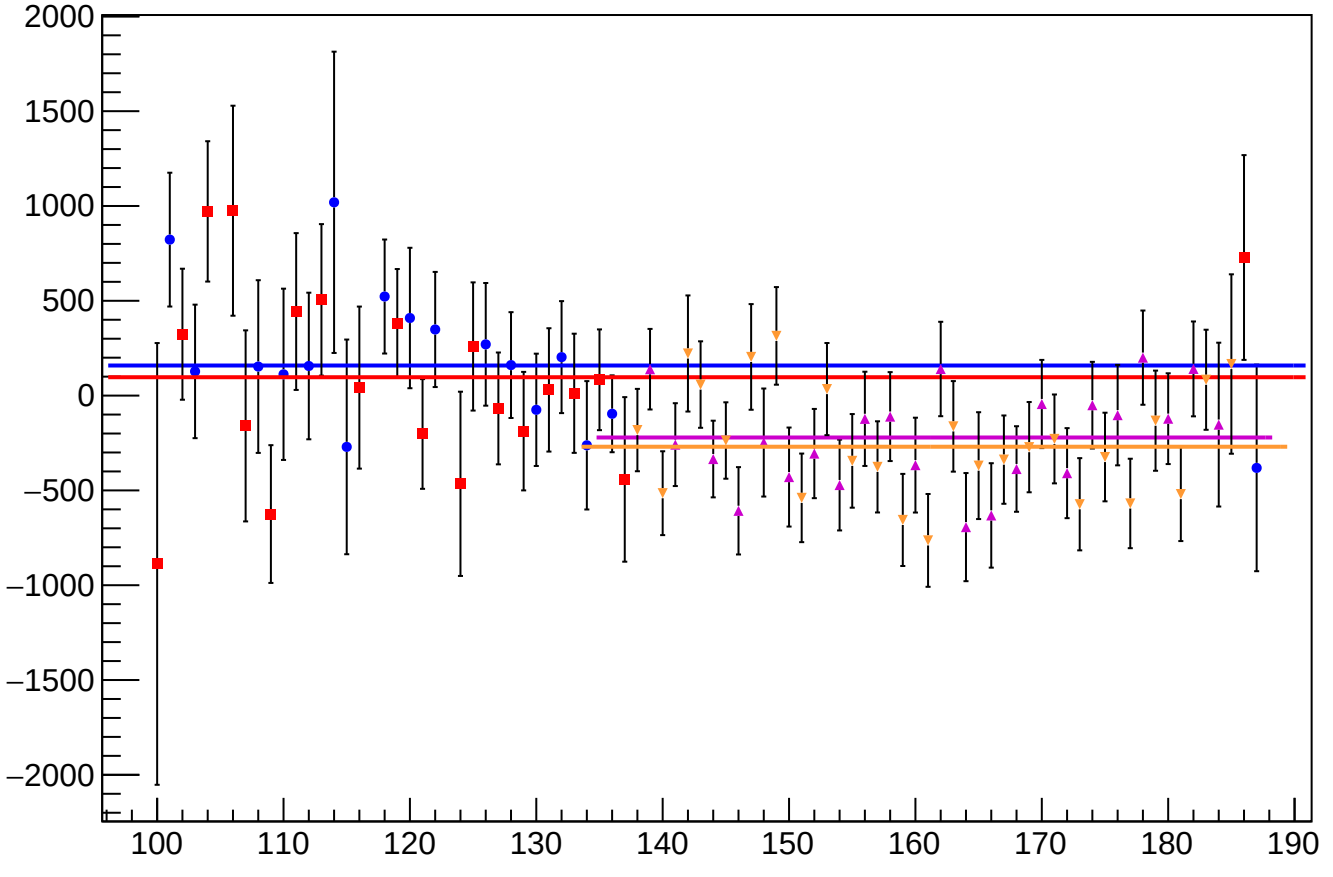
In: -317.166+/-331.307 χ^2/NDF:54.7/39

Out: -550.466+/-323.306 χ^2/NDF:58.6/44

All: -436.667+/-231.389 χ^2/NDF: 113.6/84


asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2243.833+/-0.606 χ²/NDF: 1059899.3/16
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2412.828+/-0.637 χ²/NDF: 1300770.7/19
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
Left: 1519.880+/-0.176 χ²/NDF: 818358.6/47
Right: 2324.071+/-0.439 χ²/NDF: 2397627.7/36
In: 1635.045+/-0.234 χ²/NDF:2621551.1/39
Out: 1628.319+/-0.229 χ²/NDF:3483890.8/44
All: 1631.600+/-0.164 χ²/NDF: 6105864.1/84

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 158.689+/-82.165 χ^2/NDF: 12.5/16

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 96.909+/-81.597 χ^2/NDF: 23.0/19

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

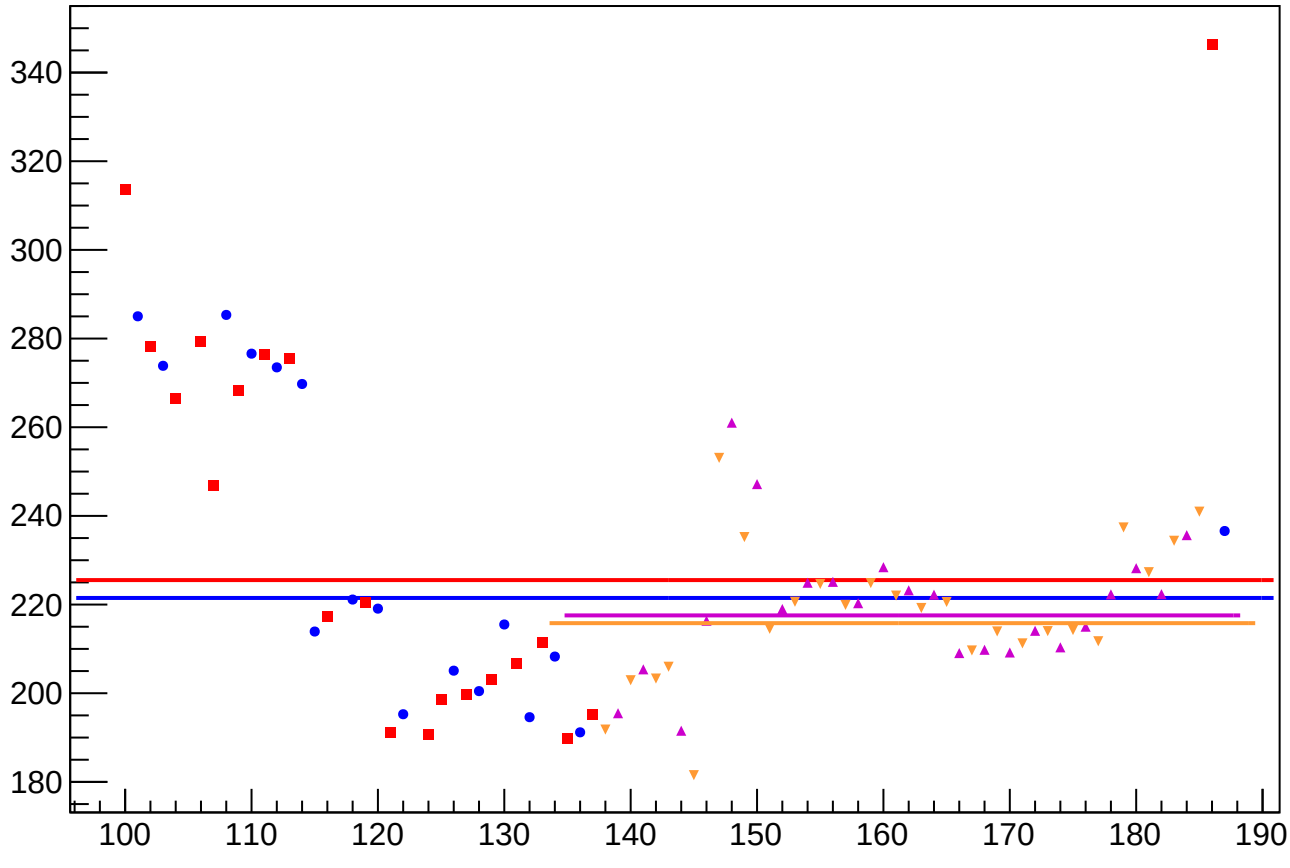
Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

Right: 127.585+/-57.898 χ^2/NDF: 35.8/36

In: -115.481+/-43.304 χ^2/NDF:51.3/39

Out: -172.060+/-42.107 χ^2/NDF:69.3/44

All: -144.563+/-30.188 χ^2/NDF: 121.5/84



Right In: 221.491+/-0.058 χ^2/NDF: 320274.6/16

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 225.521+/-0.058 χ^2/NDF: 429532.2/19

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

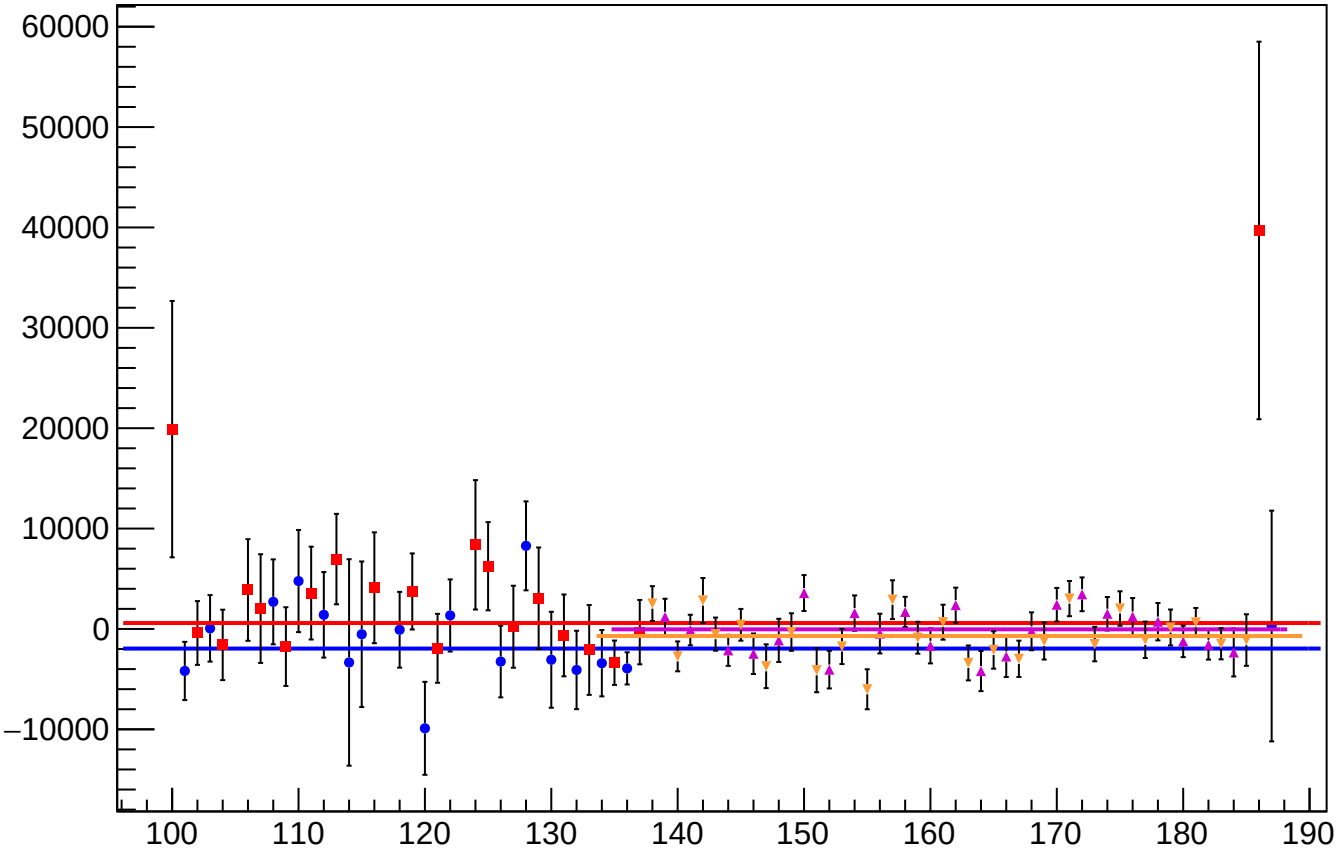
Right: 223.520+/-0.041 χ^2/NDF: 752230.0/36

In: 218.648+/-0.031 χ^2/NDF:484655.4/39

Out: 218.394+/-0.030 χ^2/NDF:639031.1/44

All: 218.517+/-0.021 χ^2/NDF: 1123722.0/84

asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1954.339+/-874.071 χ^2/NDF: 16.2/16

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 589.788+/-913.679 χ^2/NDF: 19.1/19

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

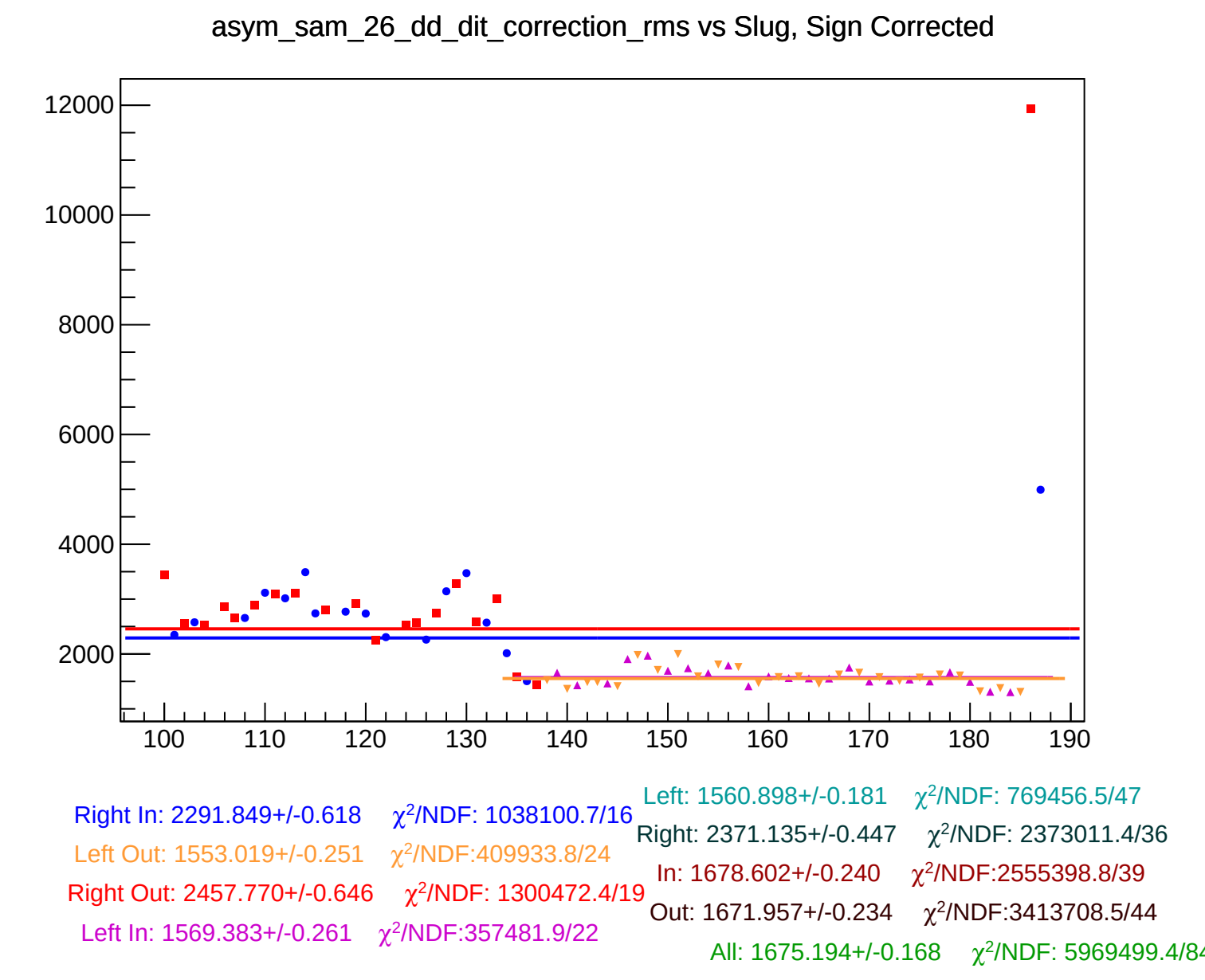
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -738.613+/-631.600 χ^2/NDF: 39.3/36

In: -329.110+/-339.849 χ^2/NDF:54.6/39

Out: -533.931+/-331.275 χ^2/NDF:58.5/44

All: -434.137+/-237.220 χ^2/NDF: 113.2/84


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
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140
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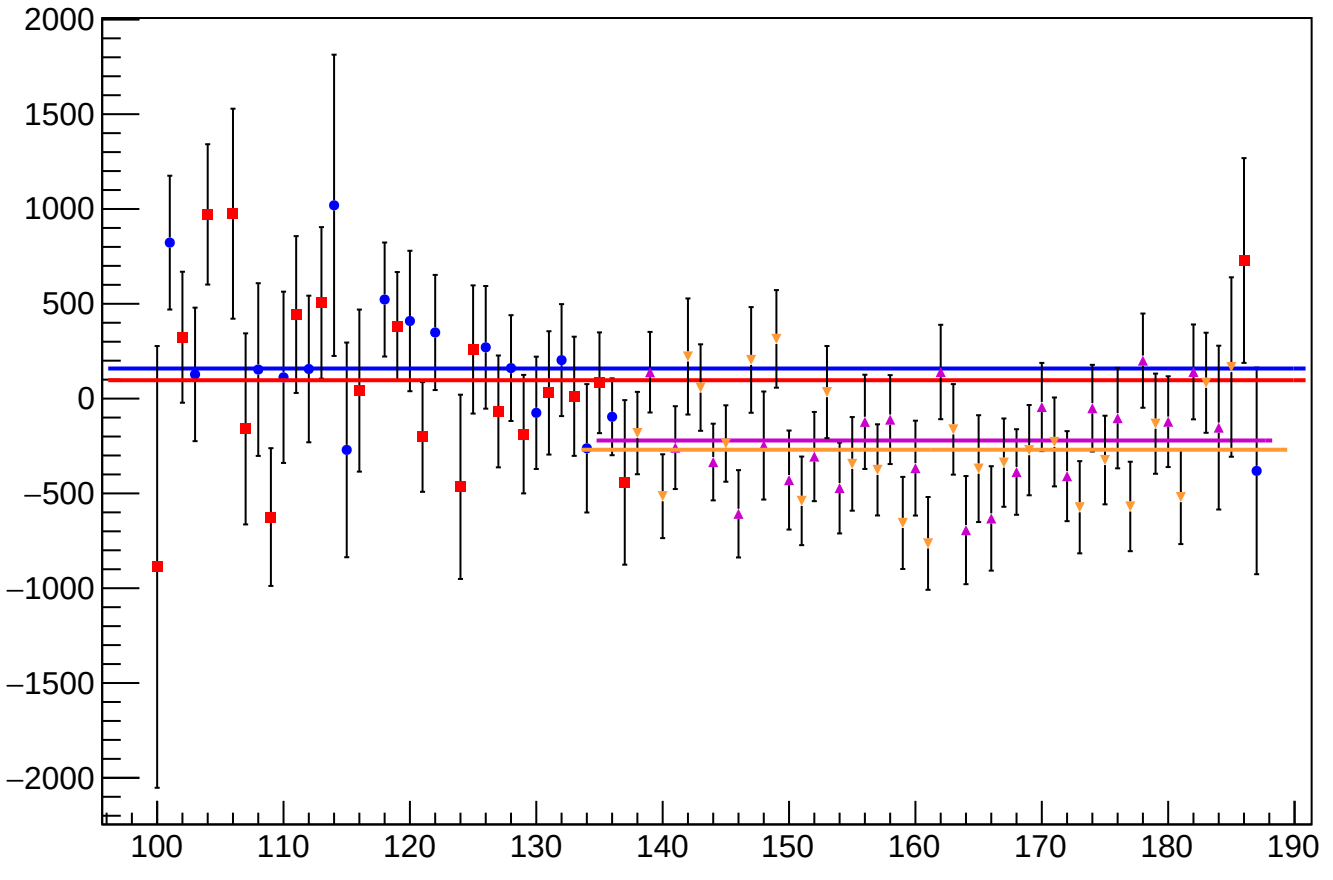
160
170
180
190
Right In: 2291.849+/-0.618 χ²/NDF: 1038100.7/16
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2457.770+/-0.646 χ²/NDF: 1300472.4/19
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2371.135+/-0.447 χ²/NDF: 2373011.4/36
In: 1678.602+/-0.240 χ²/NDF:2555398.8/39
Out: 1671.957+/-0.234 χ²/NDF:3413708.5/44
All: 1675.194+/-0.168 χ²/NDF: 5969499.4/84



Right In: 158.690+/-82.165 χ^2/NDF: 12.5/16

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 96.906+/-81.597 χ^2/NDF: 23.0/19

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

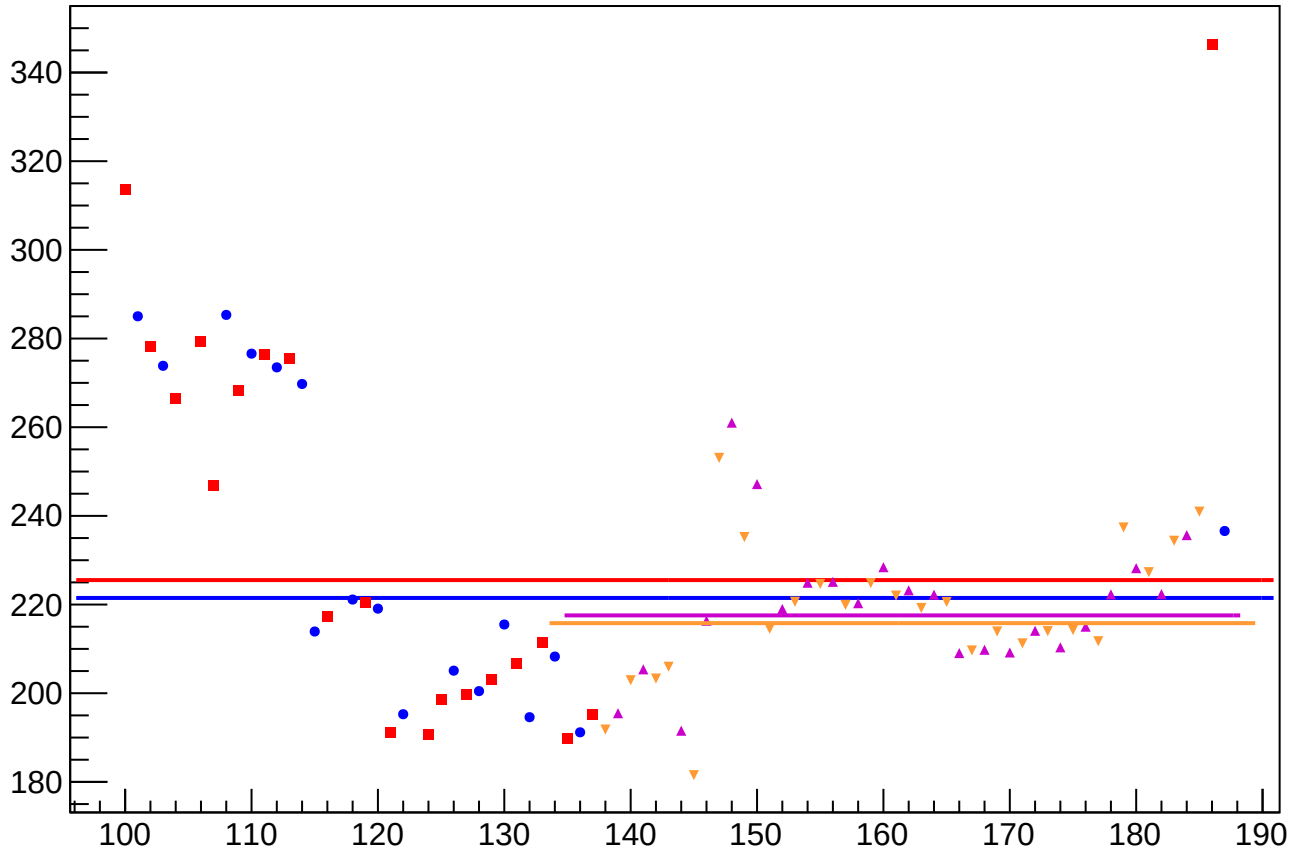
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 127.584+/-57.897 χ^2/NDF: 35.8/36

In: -115.480+/-43.304 χ^2/NDF:51.3/39

Out: -172.061+/-42.107 χ^2/NDF:69.3/44

All: -144.564+/-30.188 χ^2/NDF: 121.5/84



Right In: 221.489+/-0.058 χ^2/NDF: 320269.6/16

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 225.520+/-0.058 χ^2/NDF: 429518.3/19

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

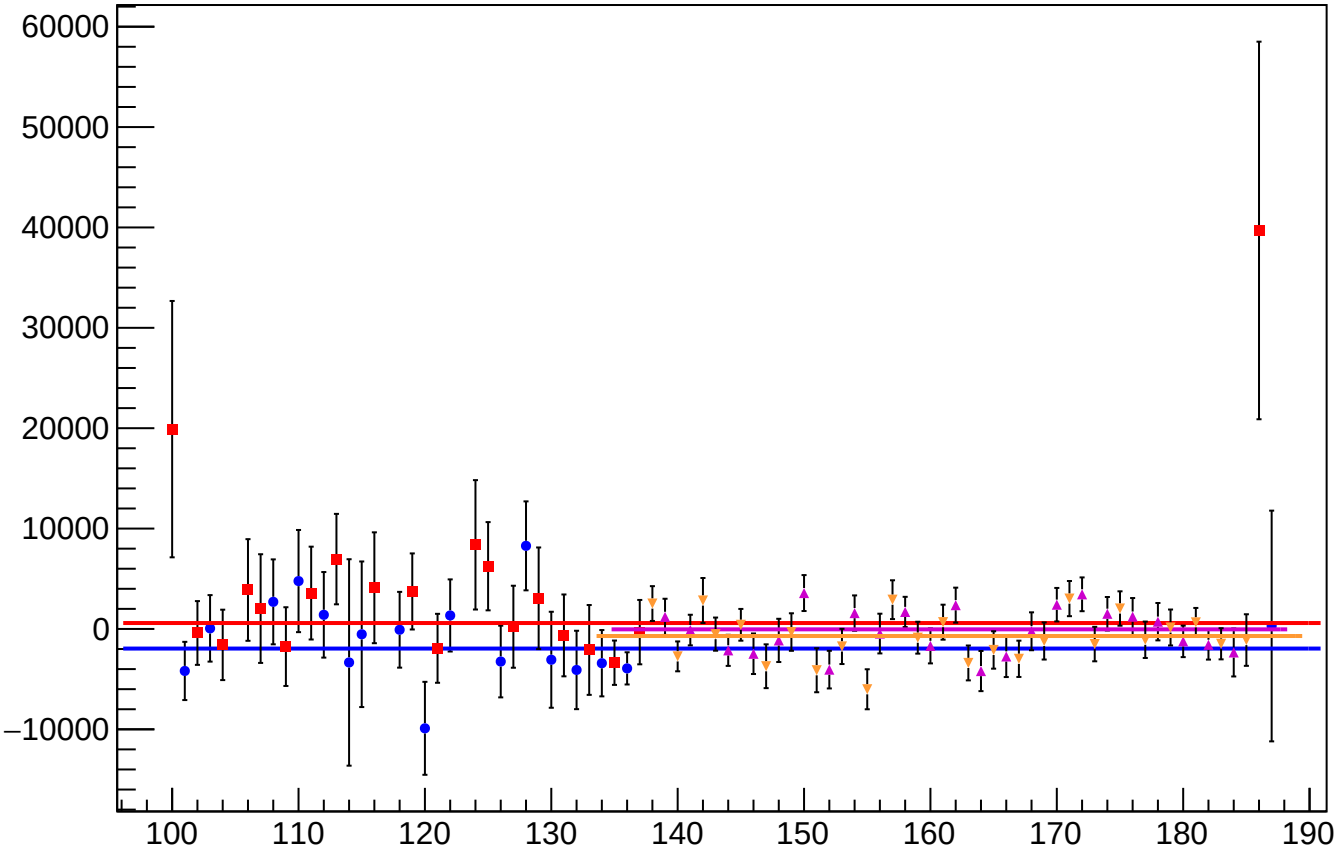
Right: 223.519+/-0.041 χ^2/NDF: 752211.3/36

In: 218.648+/-0.031 χ^2/NDF:484651.3/39

Out: 218.393+/-0.030 χ^2/NDF:639017.8/44

All: 218.517+/-0.021 χ^2/NDF: 1123704.6/84

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1954.334+/-874.069 χ^2/NDF: 16.2/16

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 589.790+/-913.677 χ^2/NDF: 19.1/19

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

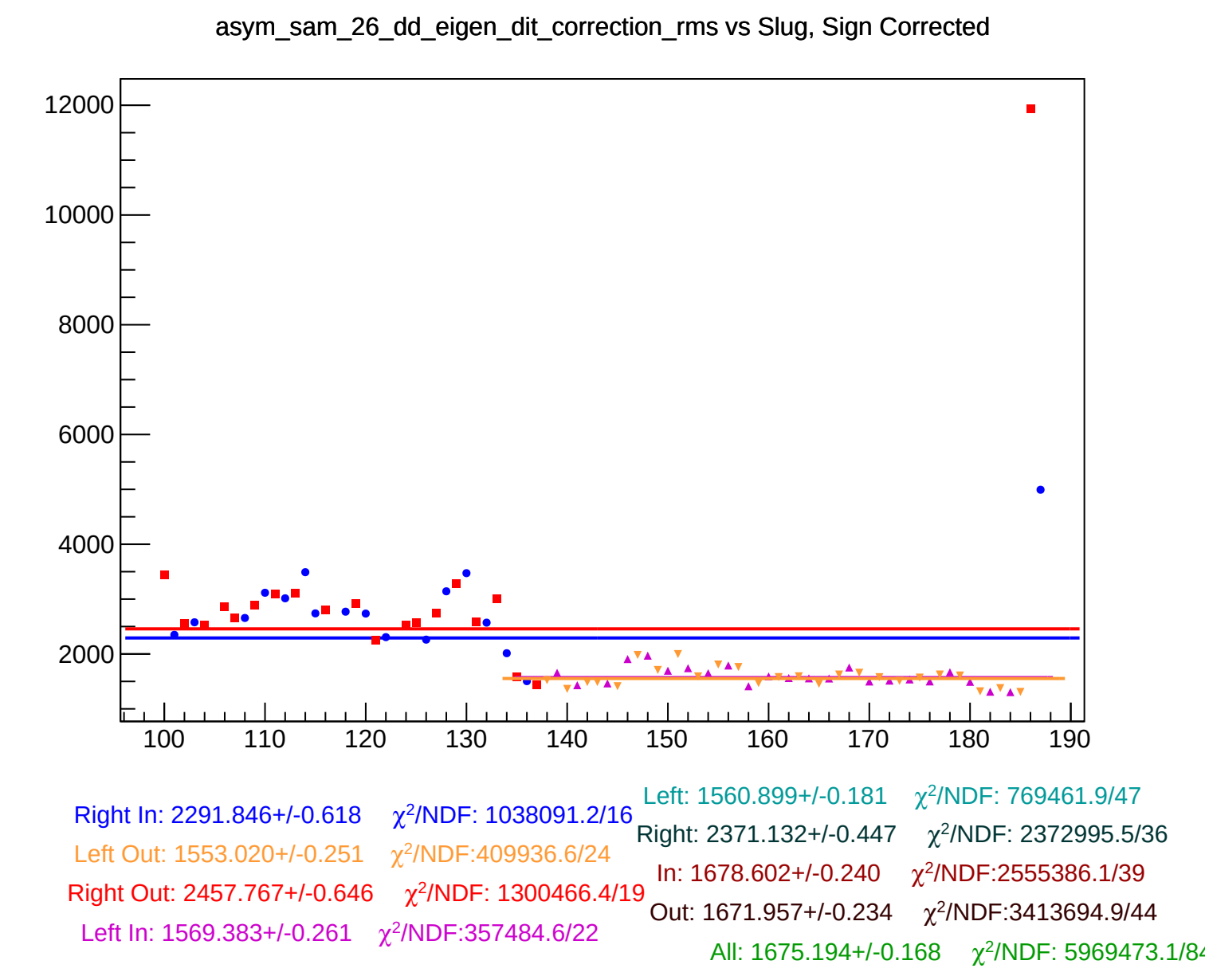
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -738.610+/-631.599 χ^2/NDF: 39.3/36

In: -329.109+/-339.849 χ^2/NDF:54.6/39

Out: -533.930+/-331.275 χ^2/NDF:58.5/44

All: -434.136+/-237.220 χ^2/NDF: 113.2/84


asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
12000
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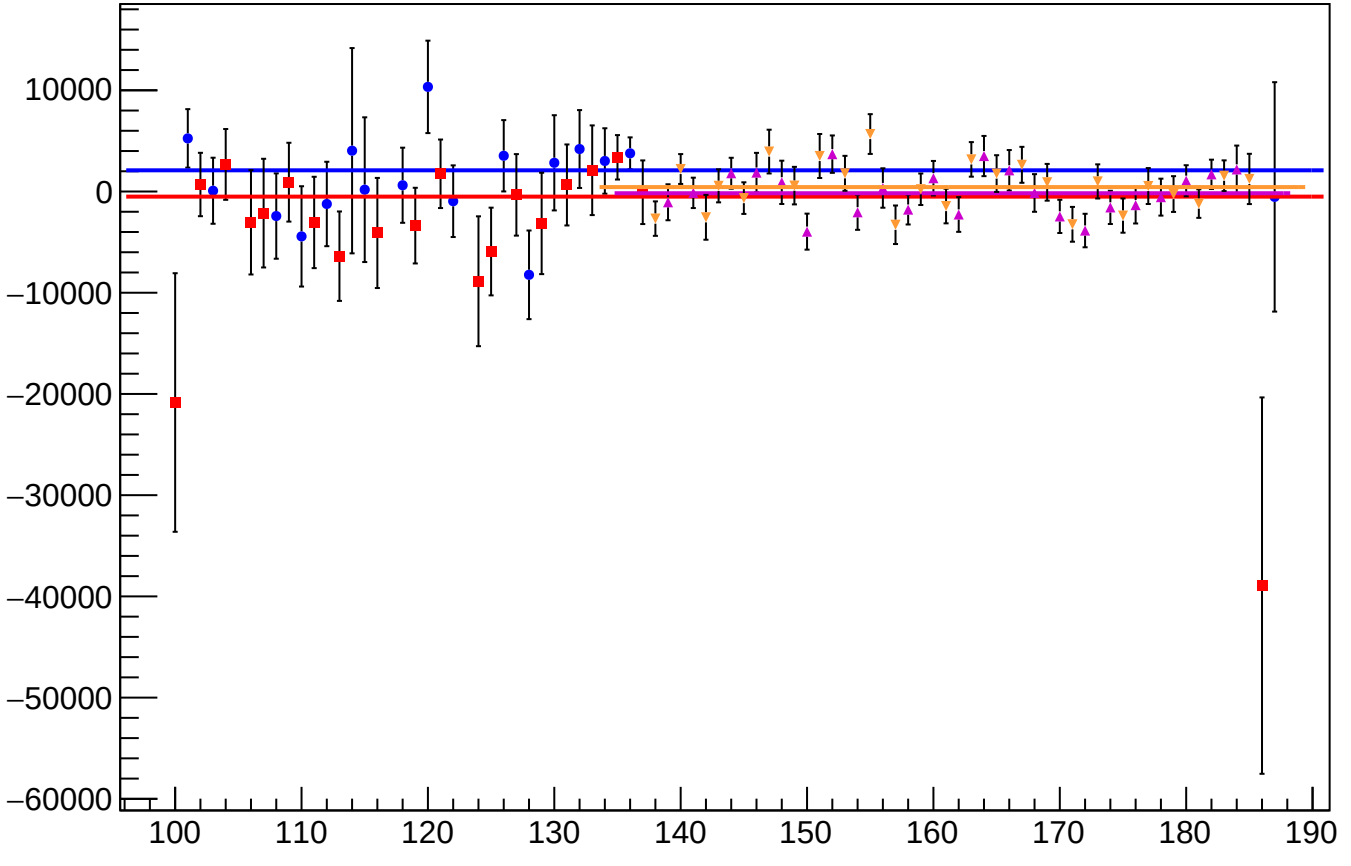
160
170
180
190
Right In: 2291.846+/-0.618 χ²/NDF: 1038091.2/16
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2457.767+/-0.646 χ²/NDF: 1300466.4/19
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
Left: 1560.899+/-0.181 χ²/NDF: 769461.9/47
Right: 2371.132+/-0.447 χ²/NDF: 2372995.5/36
In: 1678.602+/-0.240 χ²/NDF:2555386.1/39
Out: 1671.957+/-0.234 χ²/NDF:3413694.9/44
All: 1675.194+/-0.168 χ²/NDF: 5969473.1/84

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2094.296+/-860.797 χ^2/NDF: 16.7/16

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -505.038+/-903.345 χ^2/NDF: 18.9/19

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

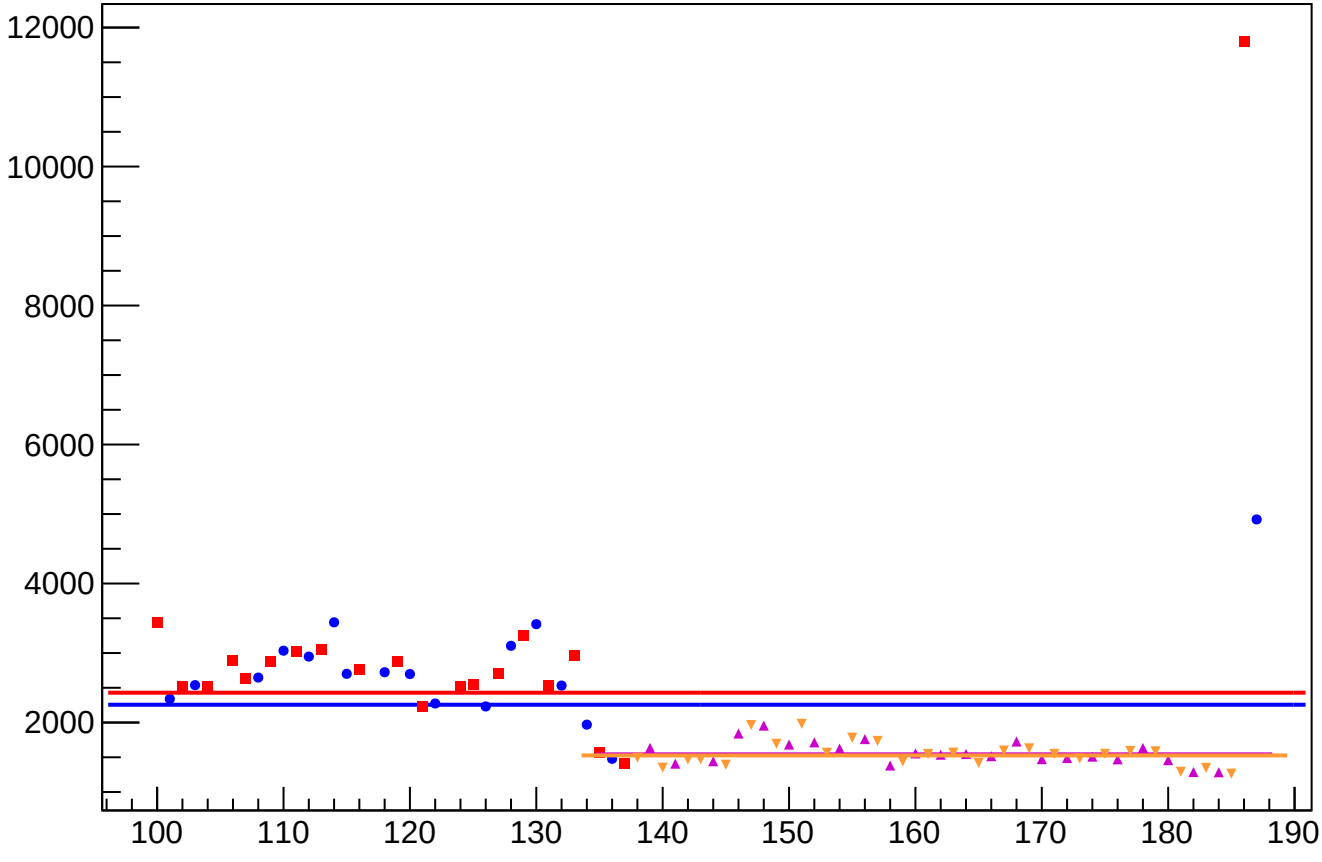
Right: 857.285+/-623.174 χ^2/NDF: 40.0/36

In: 171.298+/-334.124 χ^2/NDF:55.6/39

Out: 314.752+/-326.020 χ^2/NDF:58.7/44

All: 244.786+/-233.343 χ^2/NDF: 114.4/84

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2256.101+/-0.609 χ^2/NDF: 1044975.4/16

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2429.295+/-0.639 χ^2/NDF: 1298066.6/19

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

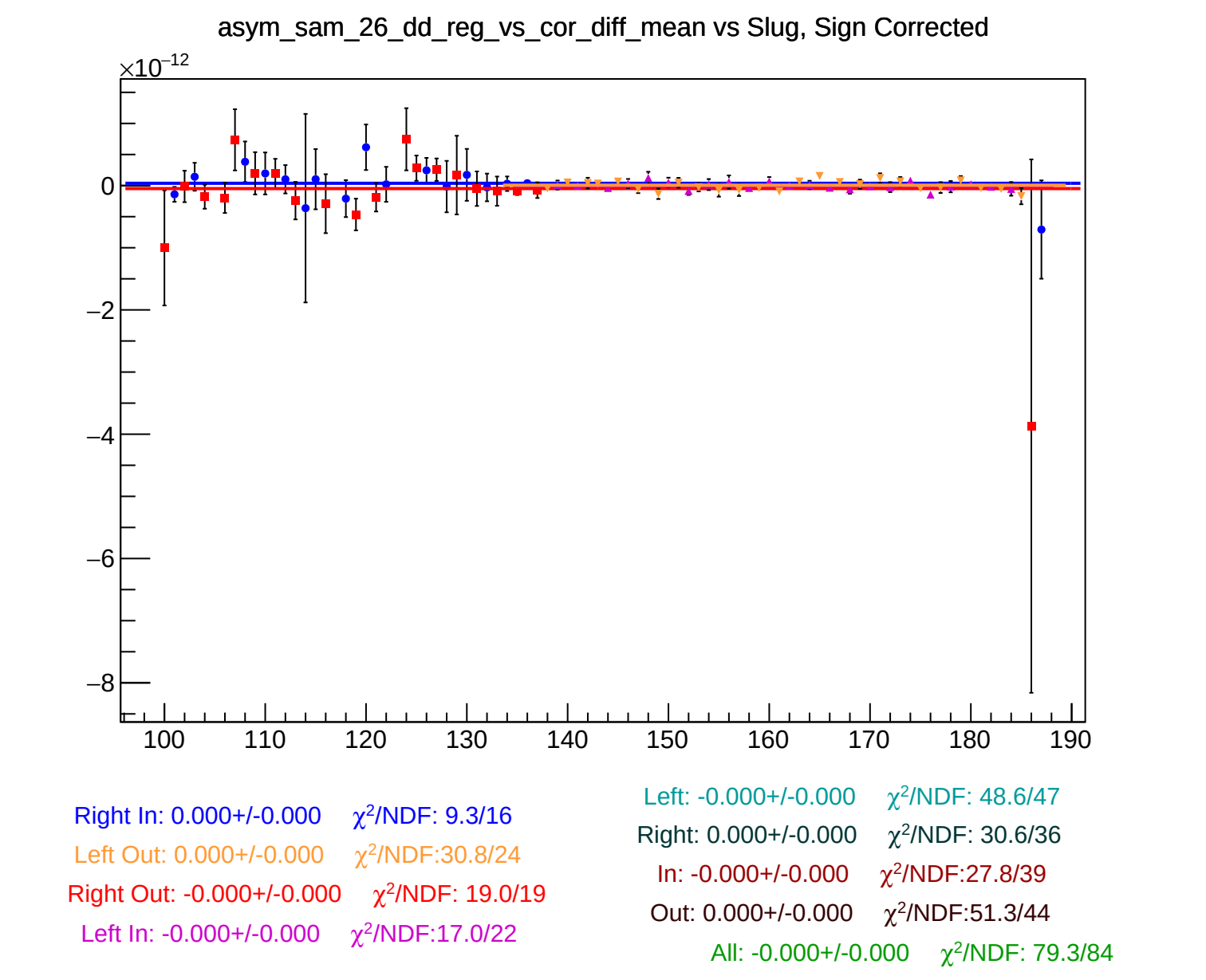
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

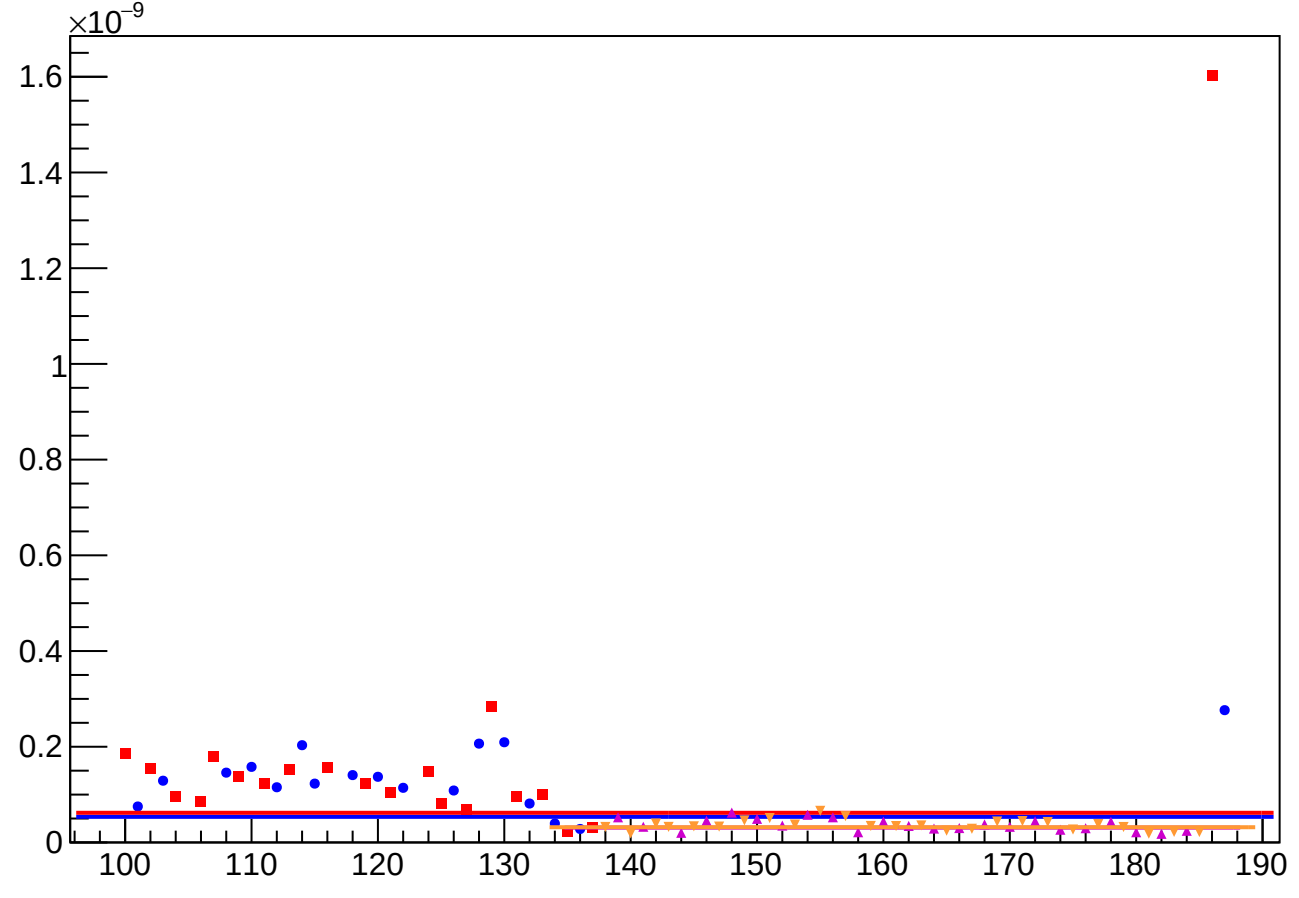
Right: 2338.523+/-0.441 χ^2/NDF: 2381572.5/36

In: 1649.813+/-0.236 χ^2/NDF:2575442.4/39

Out: 1644.287+/-0.231 χ^2/NDF:3464042.5/44

All: 1646.982+/-0.165 χ^2/NDF: 6039765.3/84


asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 9.3/16
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.0/19
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
Left: -0.000+/-0.000 χ²/NDF: 48.6/47
Right: 0.000+/-0.000 χ²/NDF: 30.6/36
In: -0.000+/-0.000 χ²/NDF:27.8/39
Out: 0.000+/-0.000 χ²/NDF:51.3/44
All: -0.000+/-0.000 χ²/NDF: 79.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 2735683.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2674341.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

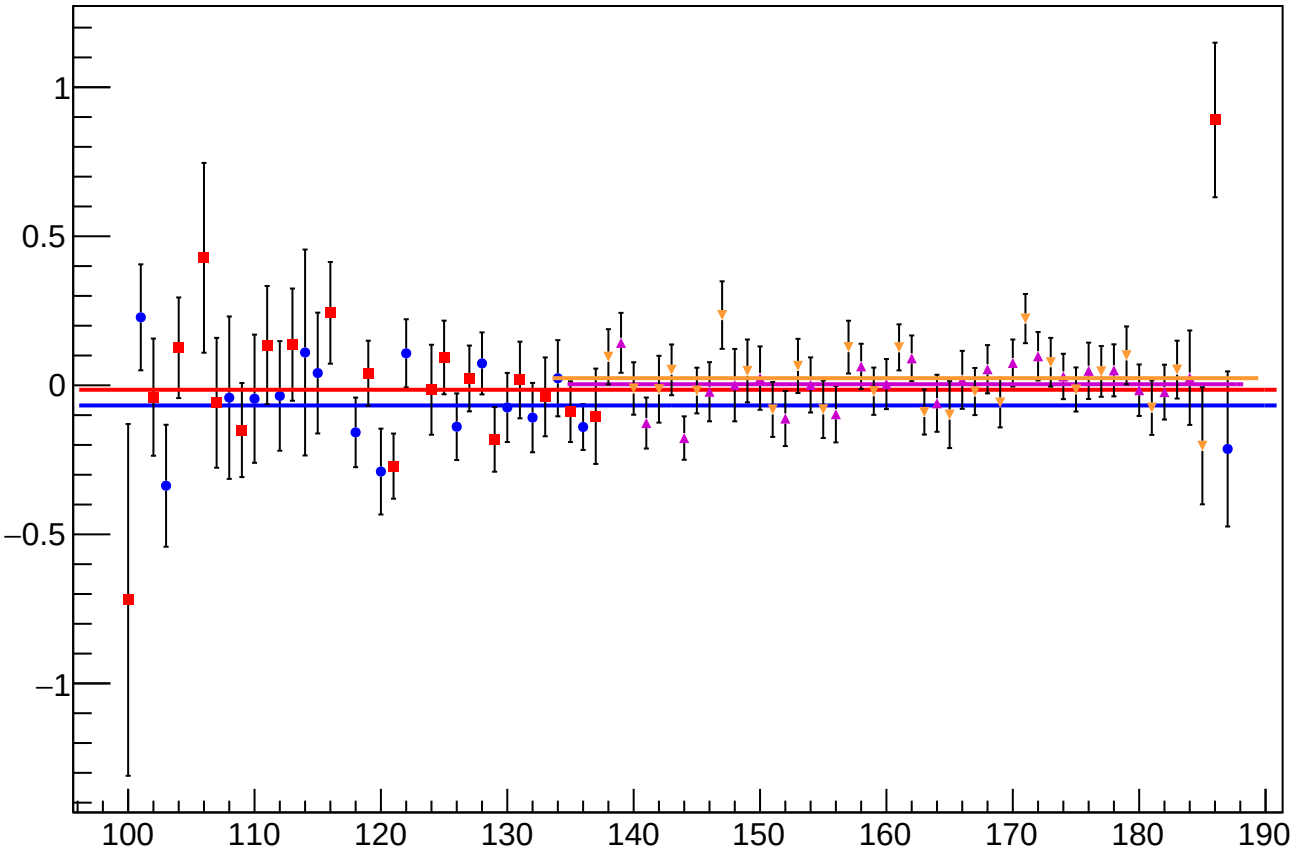
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5454678.8/36

In: 0.000+/-0.000 χ^2/NDF:5015924.2/39

Out: 0.000+/-0.000 χ^2/NDF:4802949.2/44

All: 0.000+/-0.000 χ^2/NDF: 9821368.8/84



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

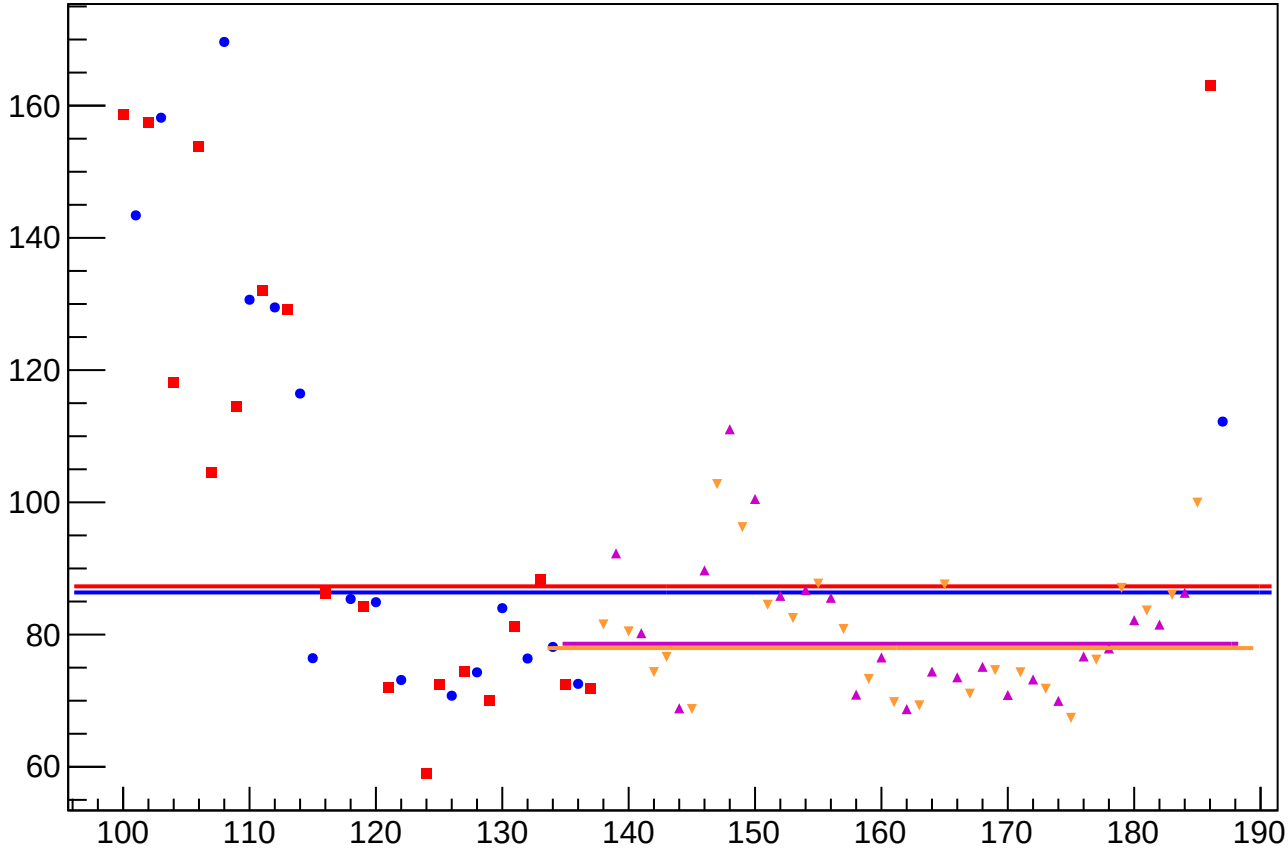
Right: -0.041+/-0.023 χ^2/NDF: 46.2/36

In: -0.013+/-0.016 χ^2/NDF:36.9/39

Out: 0.015+/-0.016 χ^2/NDF:57.1/44

All: 0.001+/-0.011 χ^2/NDF: 95.6/84

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.369+/-0.023 χ^2/NDF: 1055064.5/16

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 87.296+/-0.023 χ^2/NDF: 1164503.0/19

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

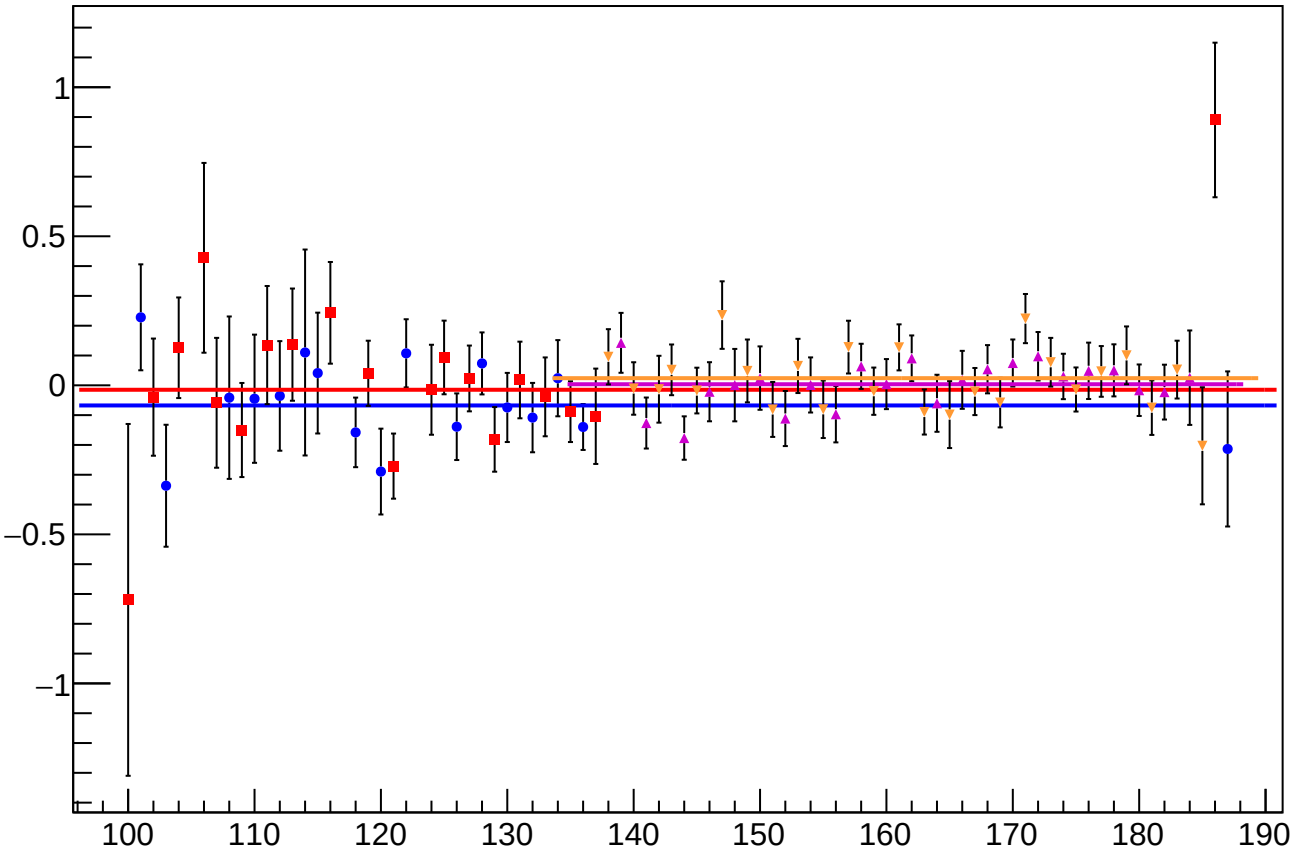
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 86.837+/-0.016 χ^2/NDF: 2220362.1/36

In: 80.476+/-0.011 χ^2/NDF:1636603.6/39

Out: 80.102+/-0.011 χ^2/NDF:1729858.4/44

All: 80.283+/-0.008 χ^2/NDF: 3367012.2/84



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

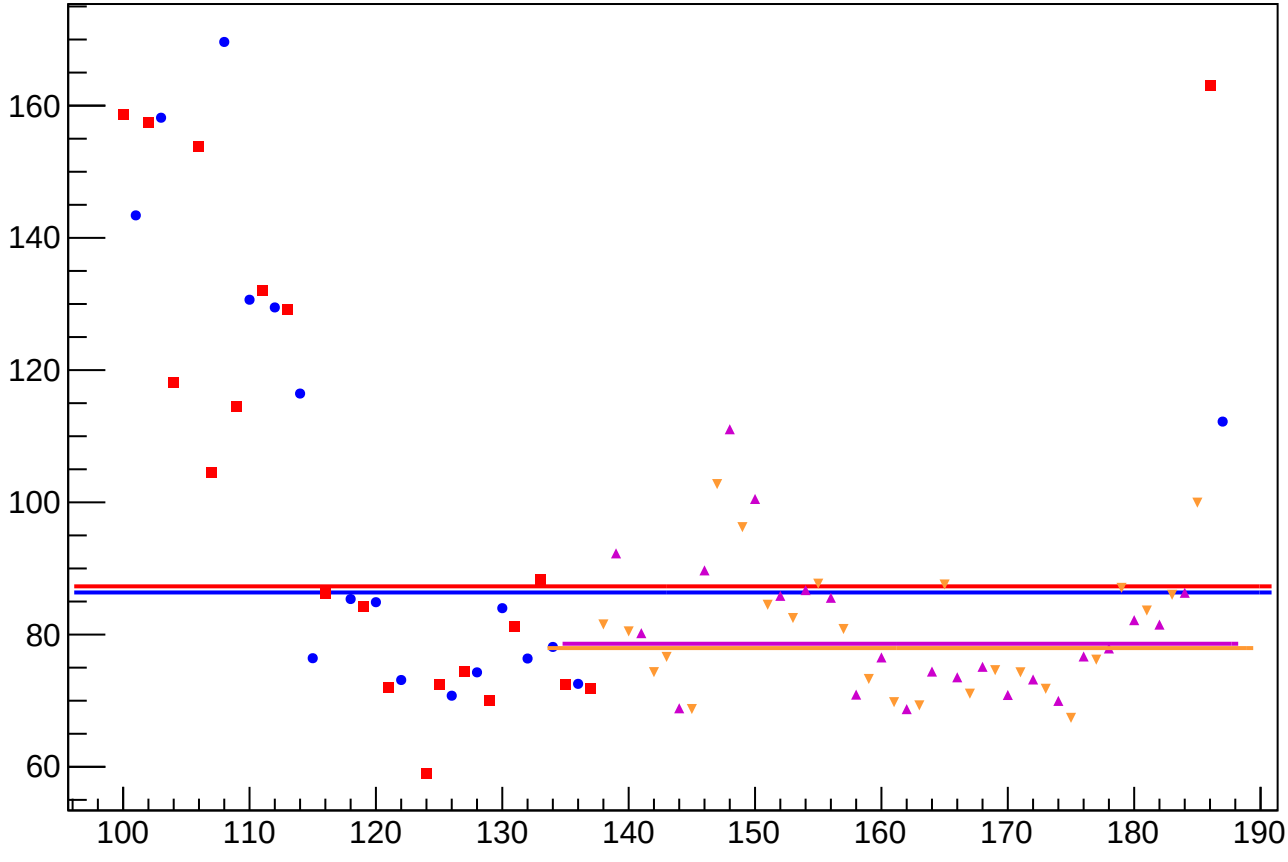
Right: -0.041+/-0.023 χ^2/NDF: 46.2/36

In: -0.013+/-0.016 χ^2/NDF:36.9/39

Out: 0.015+/-0.016 χ^2/NDF:57.1/44

All: 0.001+/-0.011 χ^2/NDF: 95.6/84

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.369+/-0.023 χ^2/NDF: 1055064.5/16

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 87.296+/-0.023 χ^2/NDF: 1164503.0/19

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

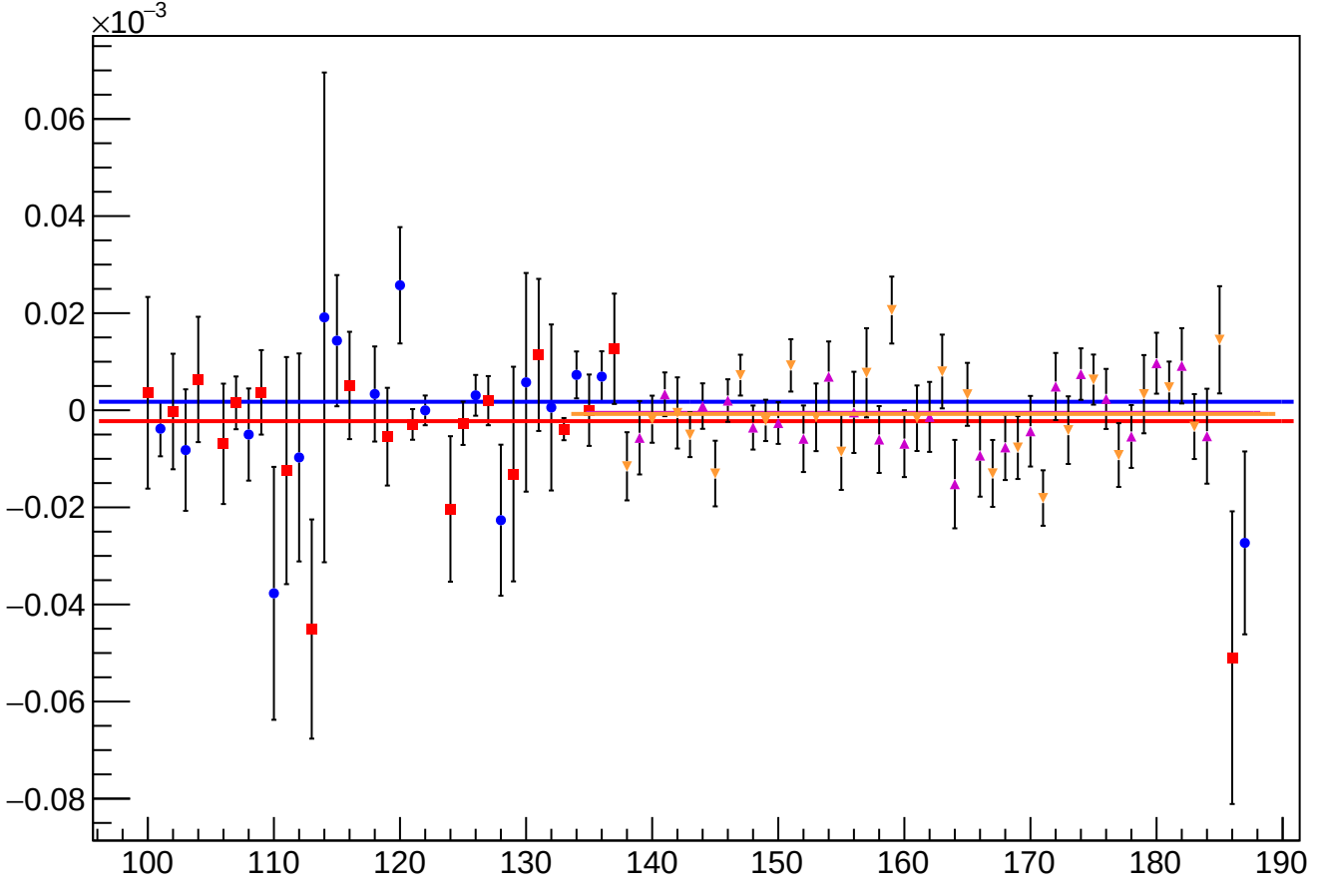
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 86.837+/-0.016 χ^2/NDF: 2220362.1/36

In: 80.476+/-0.011 χ^2/NDF:1636603.6/39

Out: 80.102+/-0.011 χ^2/NDF:1729858.4/44

All: 80.283+/-0.008 χ^2/NDF: 3367012.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/19

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

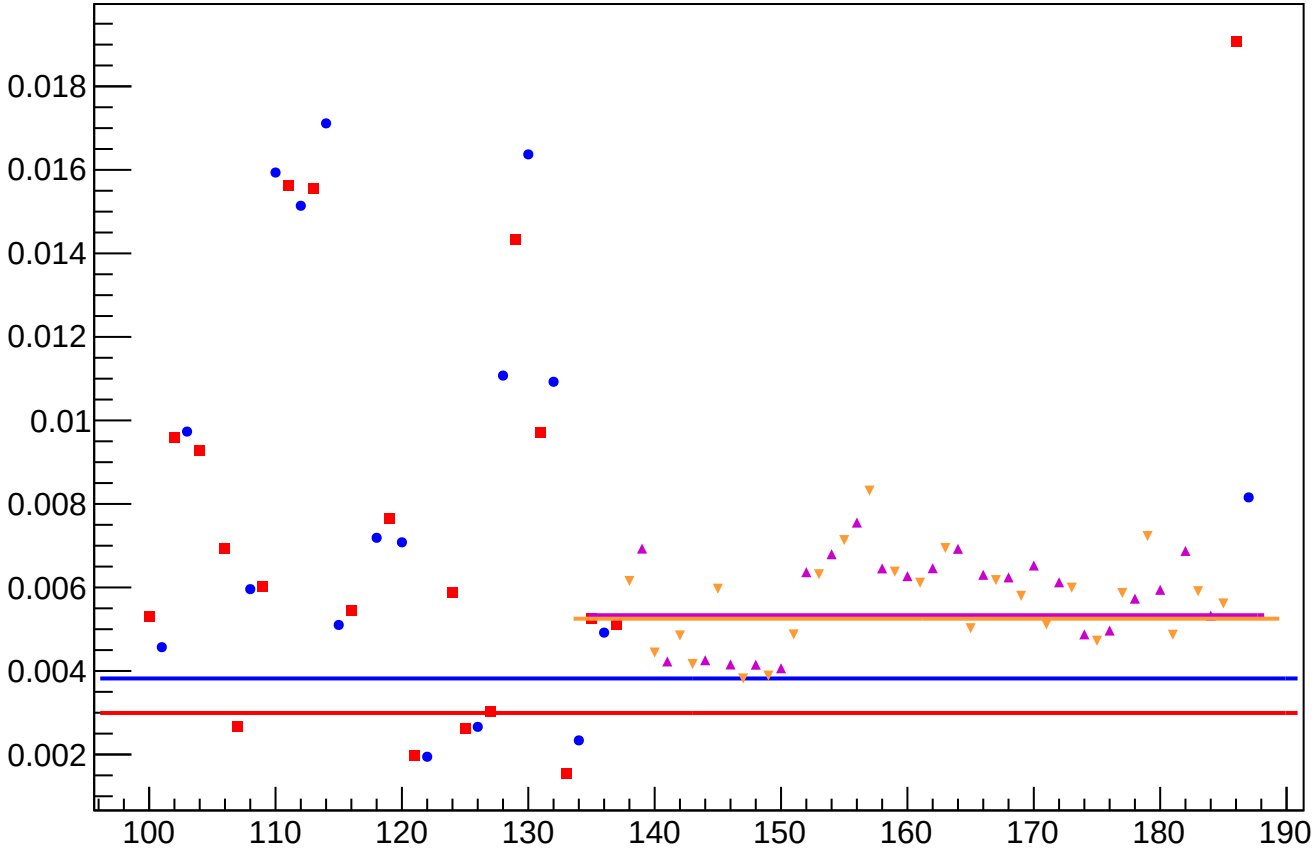
Right: -0.000+/-0.000 χ^2/NDF: 34.6/36

In: 0.000+/-0.000 χ^2/NDF:37.1/39

Out: -0.000+/-0.000 χ^2/NDF:62.3/44

All: -0.000+/-0.000 χ^2/NDF: 100.8/84

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 4801178.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6118440.3/19

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

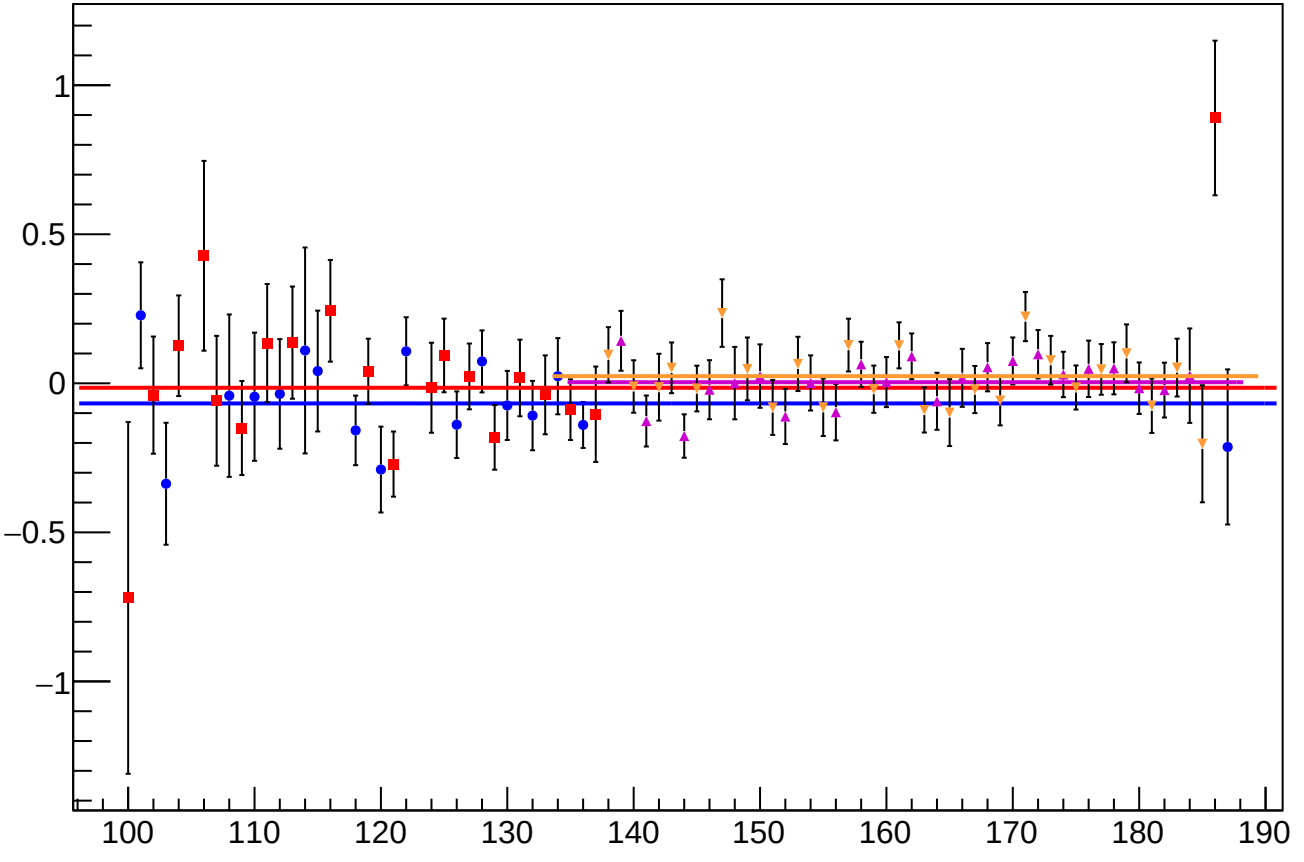
Right: 0.003+/-0.000 χ^2/NDF: 11193656.1/36

In: 0.005+/-0.000 χ^2/NDF:7292009.7/39

Out: 0.004+/-0.000 χ^2/NDF:10577148.8/44

All: 0.005+/-0.000 χ^2/NDF: 18160598.7/84

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

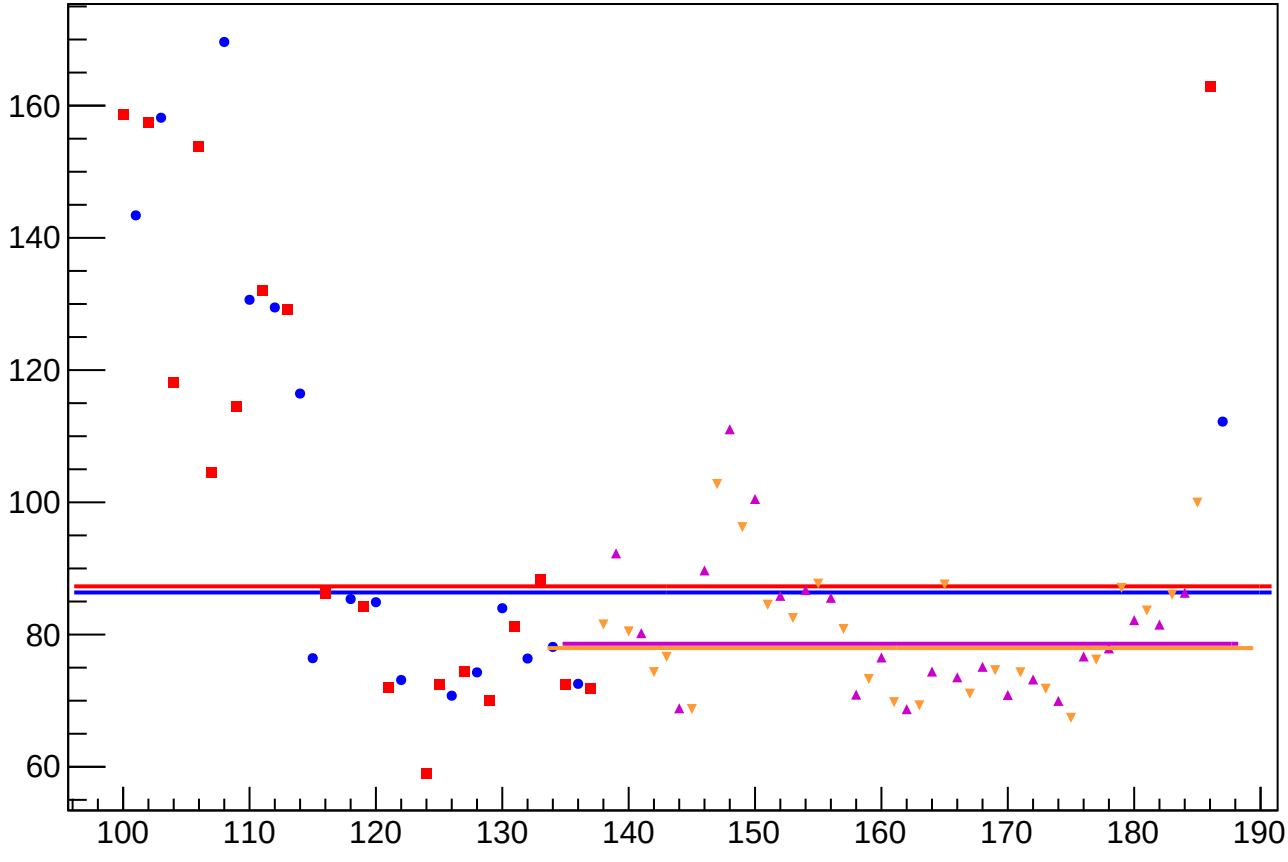
Right: -0.041+/-0.023 χ^2/NDF: 46.2/36

In: -0.013+/-0.016 χ^2/NDF:36.9/39

Out: 0.015+/-0.016 χ^2/NDF:57.1/44

All: 0.001+/-0.011 χ^2/NDF: 95.6/84

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.367+/-0.023 χ^2/NDF: 1055048.8/16

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 87.293+/-0.023 χ^2/NDF: 1164472.4/19

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

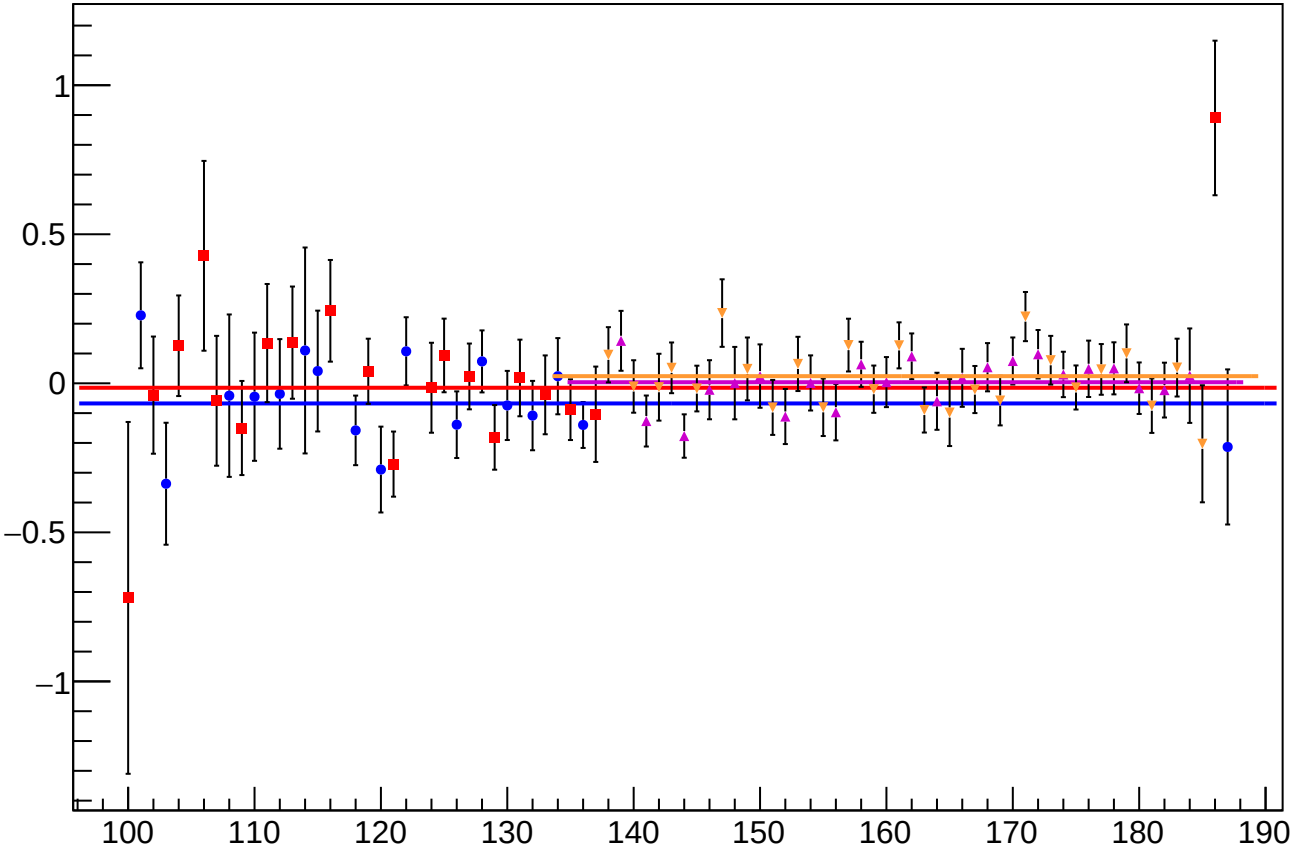
Right: 86.835+/-0.016 χ^2/NDF: 2220316.4/36

In: 80.475+/-0.011 χ^2/NDF:1636591.3/39

Out: 80.101+/-0.011 χ^2/NDF:1729826.3/44

All: 80.282+/-0.008 χ^2/NDF: 3366966.8/84

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

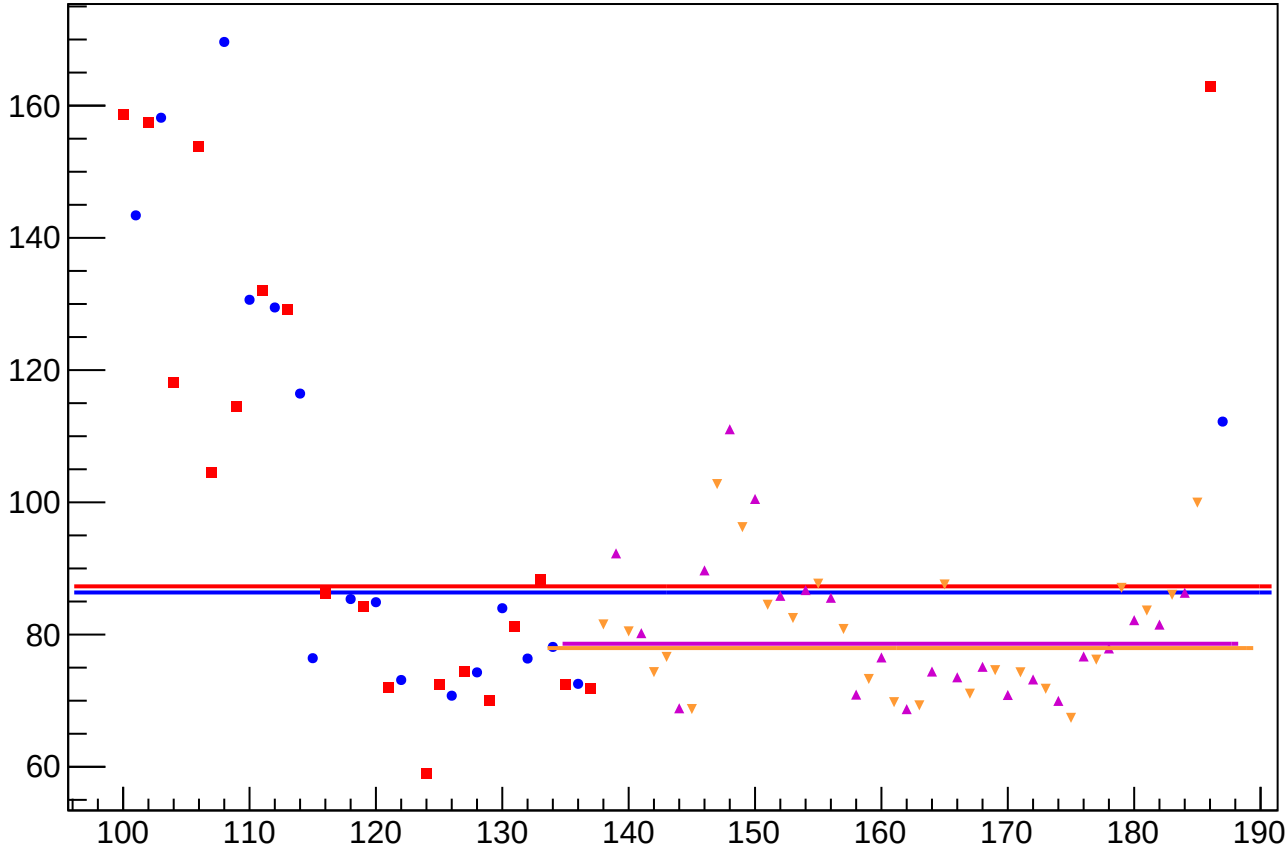
Right: -0.041+/-0.023 χ^2/NDF: 46.2/36

In: -0.013+/-0.016 χ^2/NDF:36.9/39

Out: 0.015+/-0.016 χ^2/NDF:57.1/44

All: 0.001+/-0.011 χ^2/NDF: 95.6/84

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.367+/-0.023 χ^2/NDF: 1055048.8/16

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 87.293+/-0.023 χ^2/NDF: 1164472.4/19

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

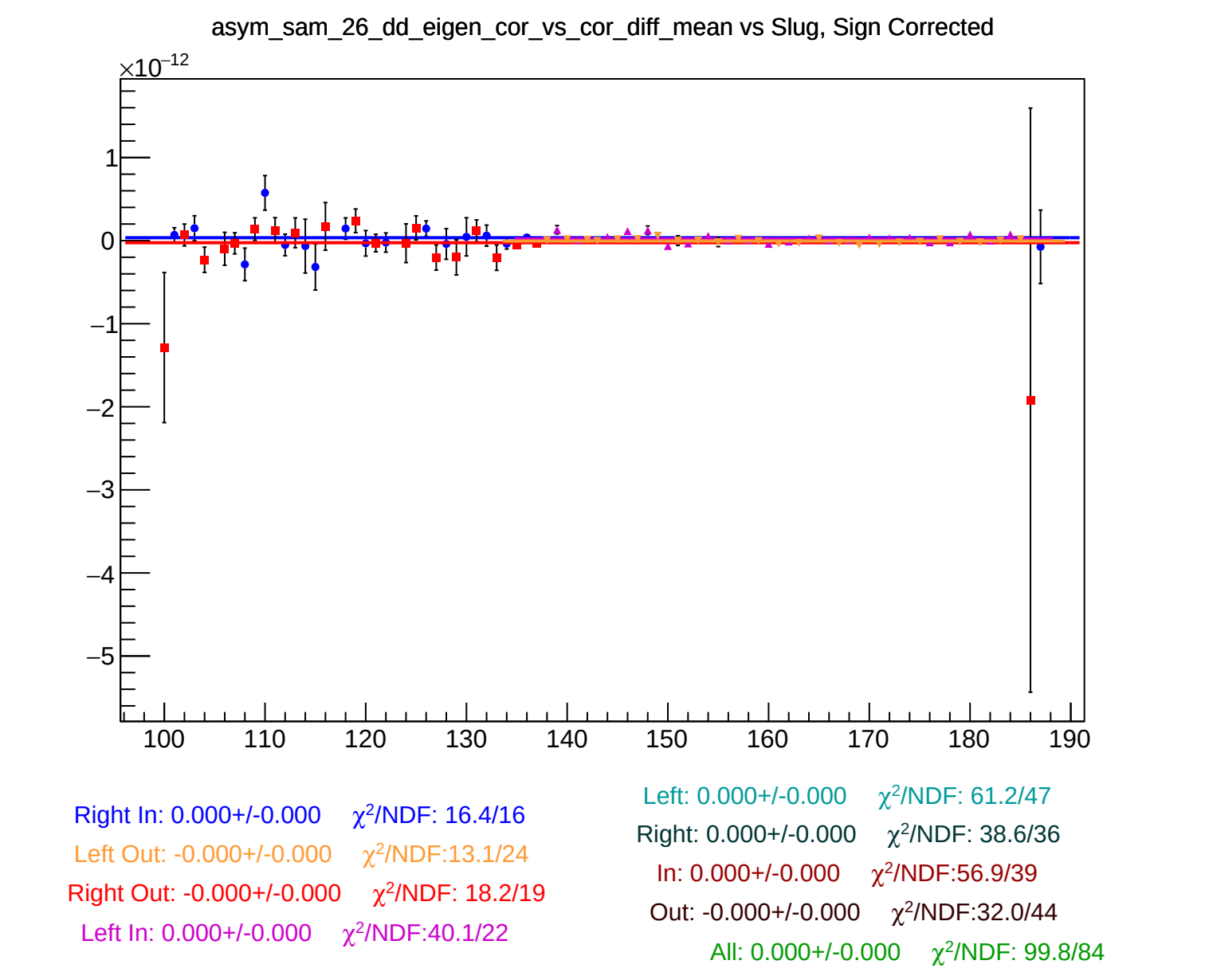
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

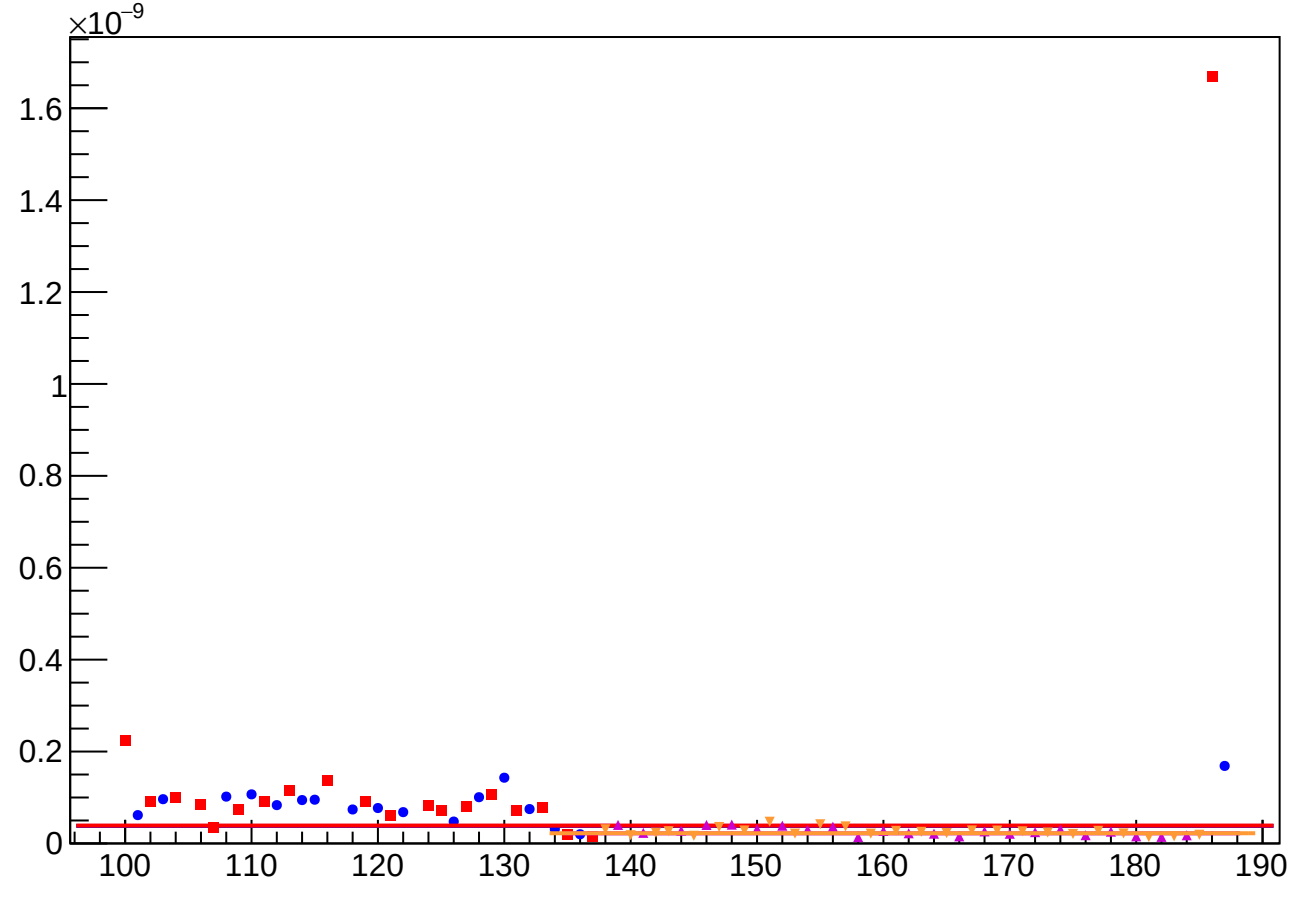
Right: 86.835+/-0.016 χ^2/NDF: 2220316.4/36

In: 80.475+/-0.011 χ^2/NDF:1636591.3/39

Out: 80.101+/-0.011 χ^2/NDF:1729826.3/44

All: 80.282+/-0.008 χ^2/NDF: 3366966.8/84


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.4/16
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.2/19
Left In: 0.000+/-0.000 χ²/NDF:40.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.2/47
Right: 0.000+/-0.000 χ²/NDF: 38.6/36
In: 0.000+/-0.000 χ²/NDF:56.9/39
Out: -0.000+/-0.000 χ²/NDF:32.0/44
All: 0.000+/-0.000 χ²/NDF: 99.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 3631901.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4551948.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

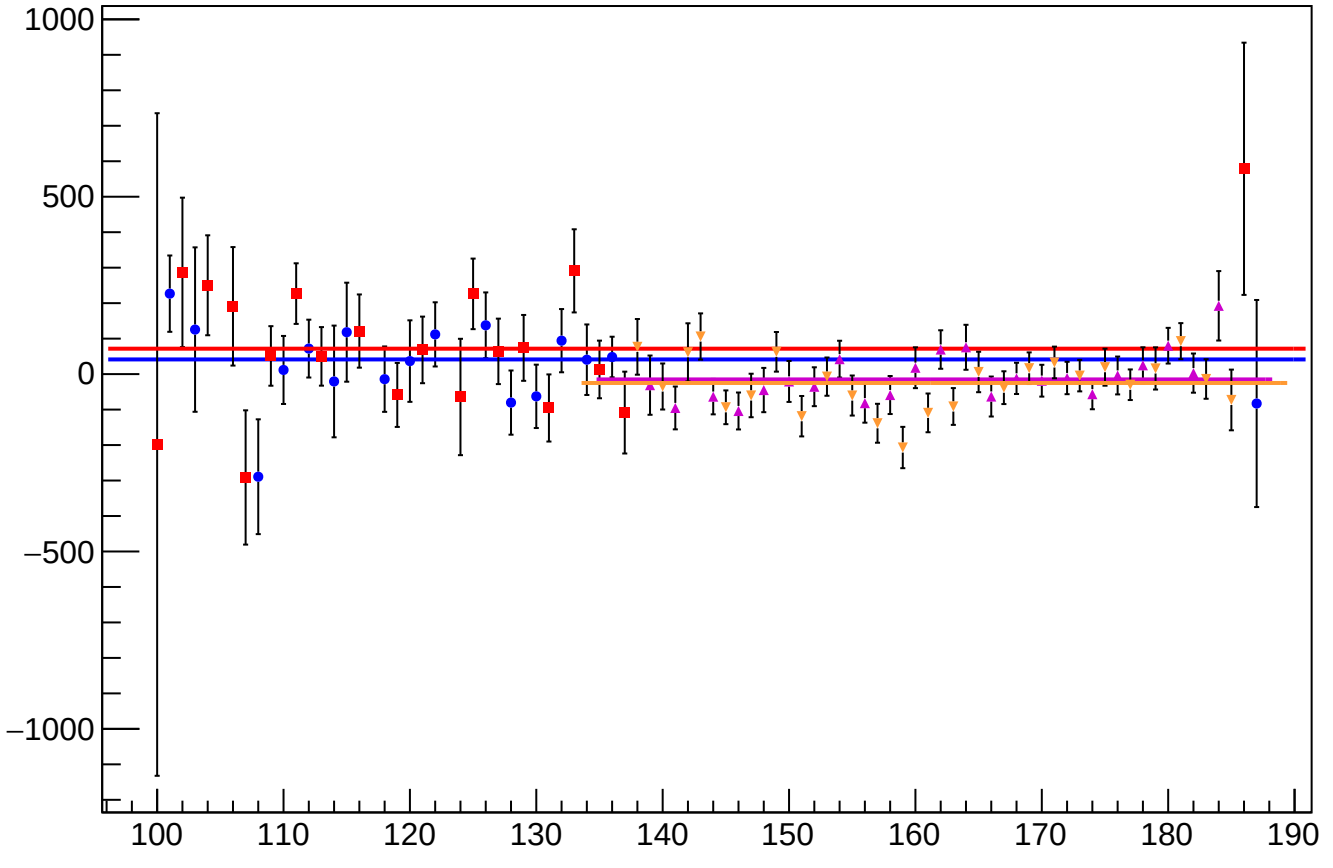
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8184956.7/36

In: 0.000+/-0.000 χ^2/NDF:7551191.4/39

Out: 0.000+/-0.000 χ^2/NDF:7896766.2/44

All: 0.000+/-0.000 χ^2/NDF: 15447957.7/84



Right In: 41.365+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 71.642+/-24.361 χ^2/NDF: 27.4/19

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

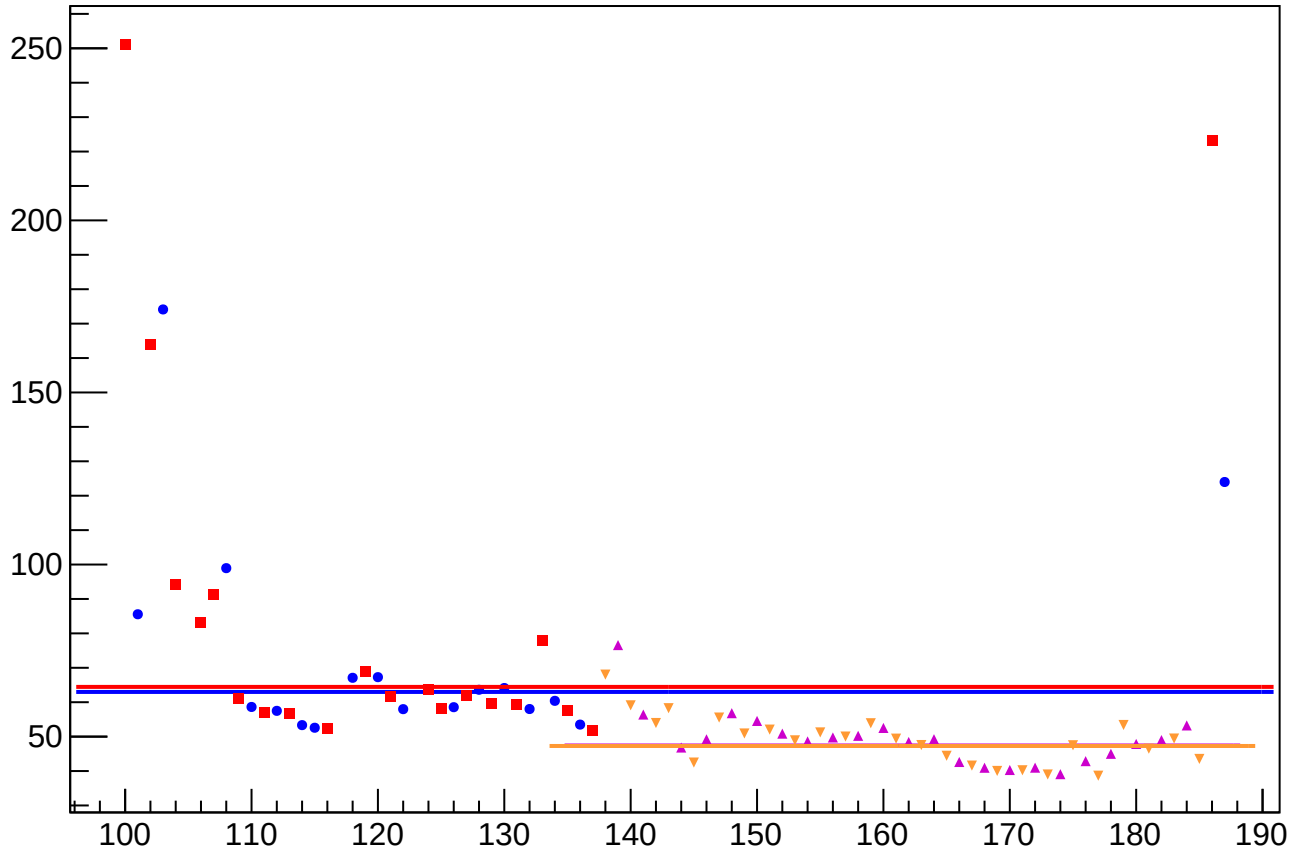
Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

Right: 56.355+/-17.141 χ^2/NDF: 41.9/36

In: -4.974+/-10.172 χ^2/NDF:43.0/39

Out: -8.900+/-9.940 χ^2/NDF:83.6/44

All: -6.982+/-7.109 χ^2/NDF: 126.7/84



Right In: 62.985+/-0.017 χ^2/NDF: 846583.0/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 64.448+/-0.017 χ^2/NDF: 1235114.8/19

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

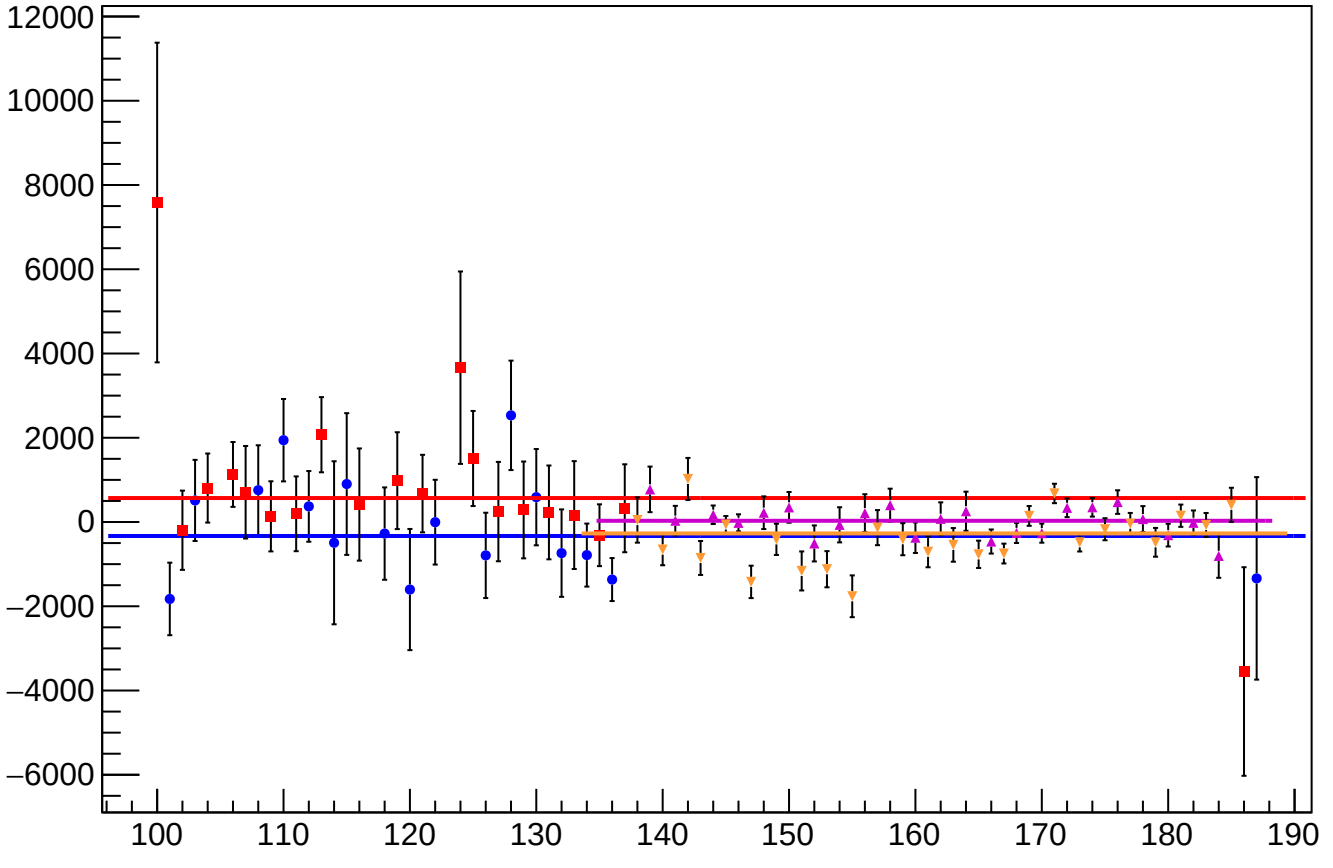
Right: 63.710+/-0.012 χ^2/NDF: 2085341.0/36

In: 50.191+/-0.007 χ^2/NDF:2186450.8/39

Out: 50.141+/-0.007 χ^2/NDF:2779998.7/44

All: 50.166+/-0.005 χ^2/NDF: 4966474.3/84

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -331.568+/-237.317 χ^2/NDF: 22.9/16

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 569.185+/-232.609 χ^2/NDF: 15.3/19

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

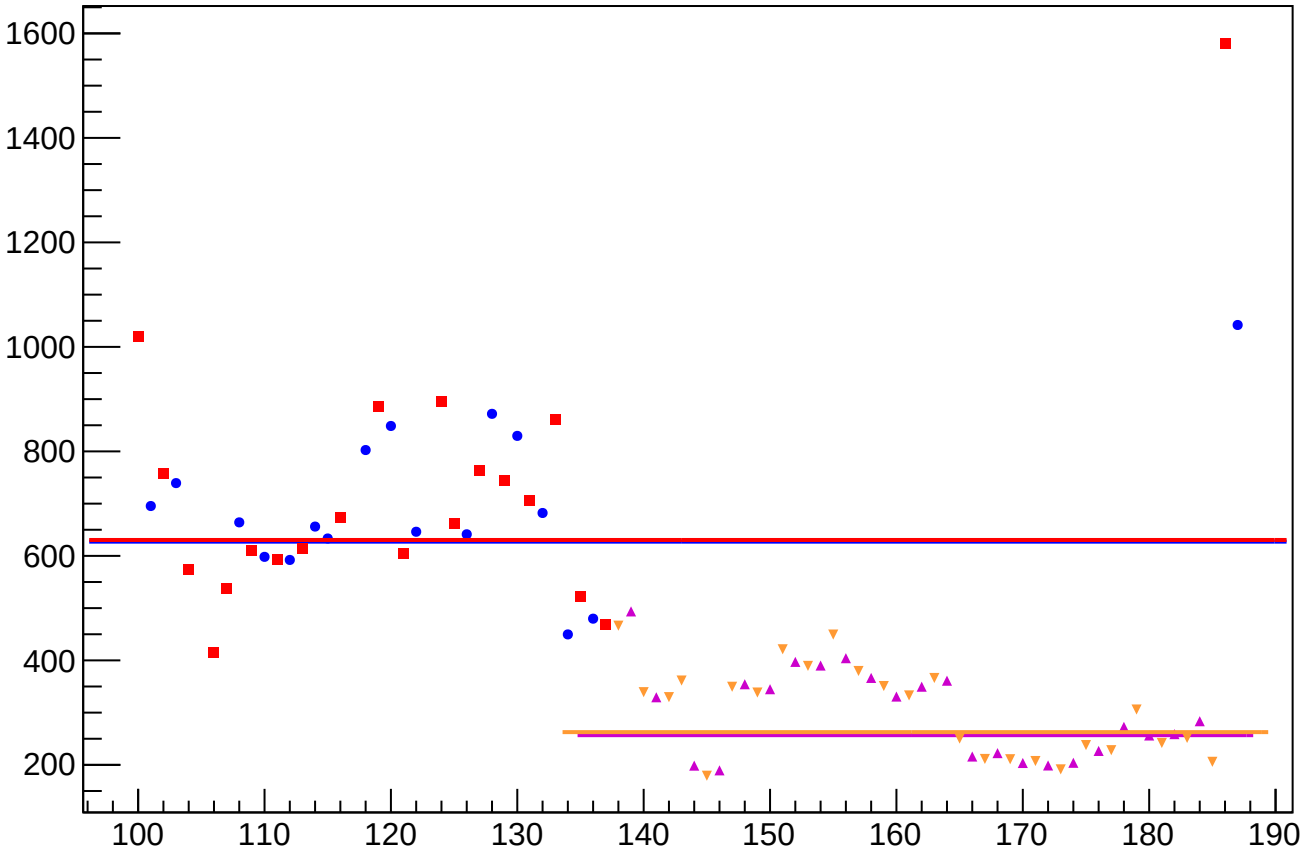
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 127.831+/-166.119 χ^2/NDF: 45.5/36

In: 5.681+/-60.593 χ^2/NDF:49.4/39

Out: -214.717+/-60.220 χ^2/NDF:101.3/44

All: -105.198+/-42.713 χ^2/NDF: 157.4/84



Right In: 627.263+/-0.168 χ^2/NDF: 625638.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 630.436+/-0.164 χ^2/NDF: 879753.7/19

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

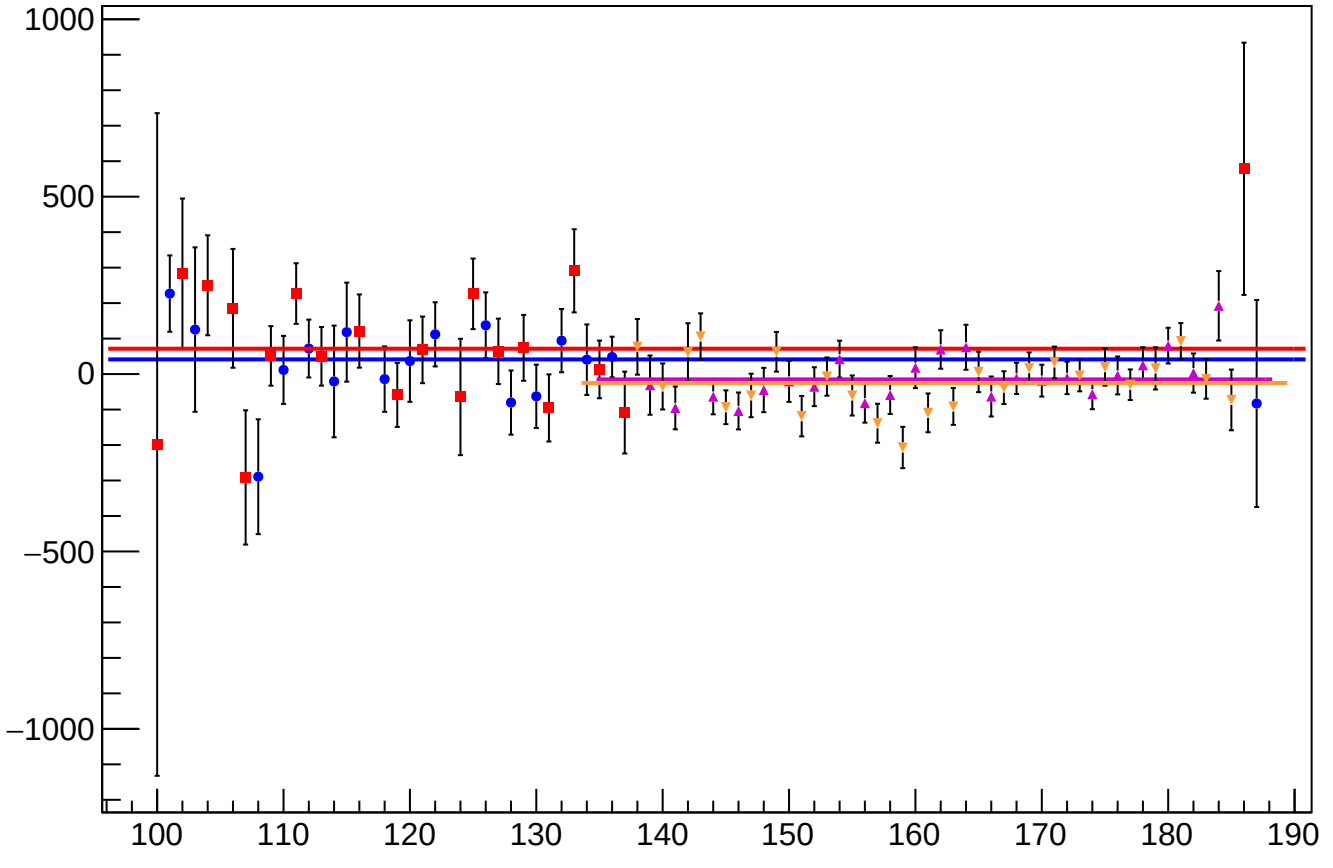
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 628.881+/-0.117 χ^2/NDF: 1505574.2/36

In: 280.991+/-0.043 χ^2/NDF:7819812.4/39

Out: 287.327+/-0.043 χ^2/NDF:8437121.0/44

All: 284.179+/-0.030 χ^2/NDF: 16267937.7/84



Right In: 41.358+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 71.461+/-24.362 χ^2/NDF: 27.3/19

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

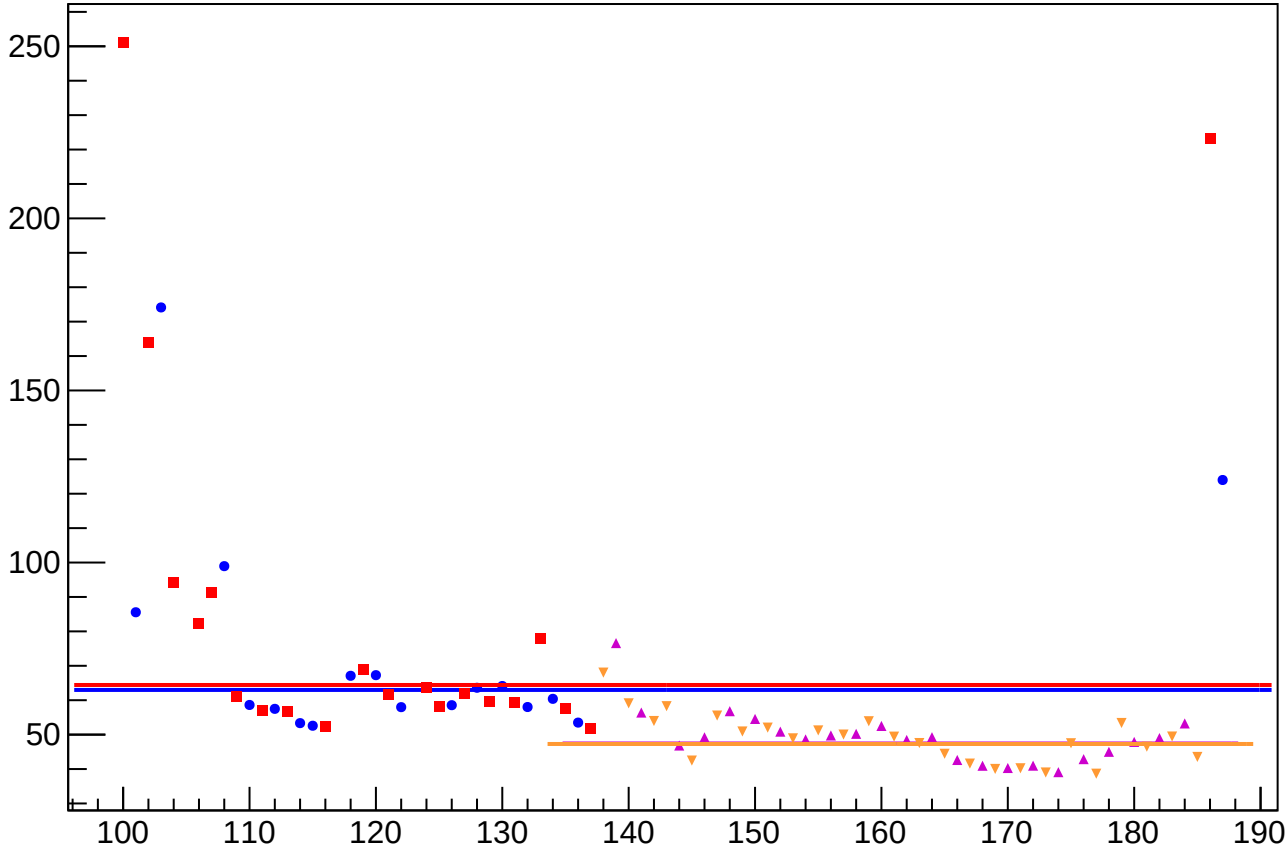
Right: 56.262+/-17.142 χ^2/NDF: 41.8/36

In: -4.974+/-10.172 χ^2/NDF:43.0/39

Out: -8.929+/-9.940 χ^2/NDF:83.5/44

All: -6.997+/-7.109 χ^2/NDF: 126.5/84

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.985+/-0.017 χ^2/NDF: 846585.2/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 64.425+/-0.017 χ^2/NDF: 1232488.2/19

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

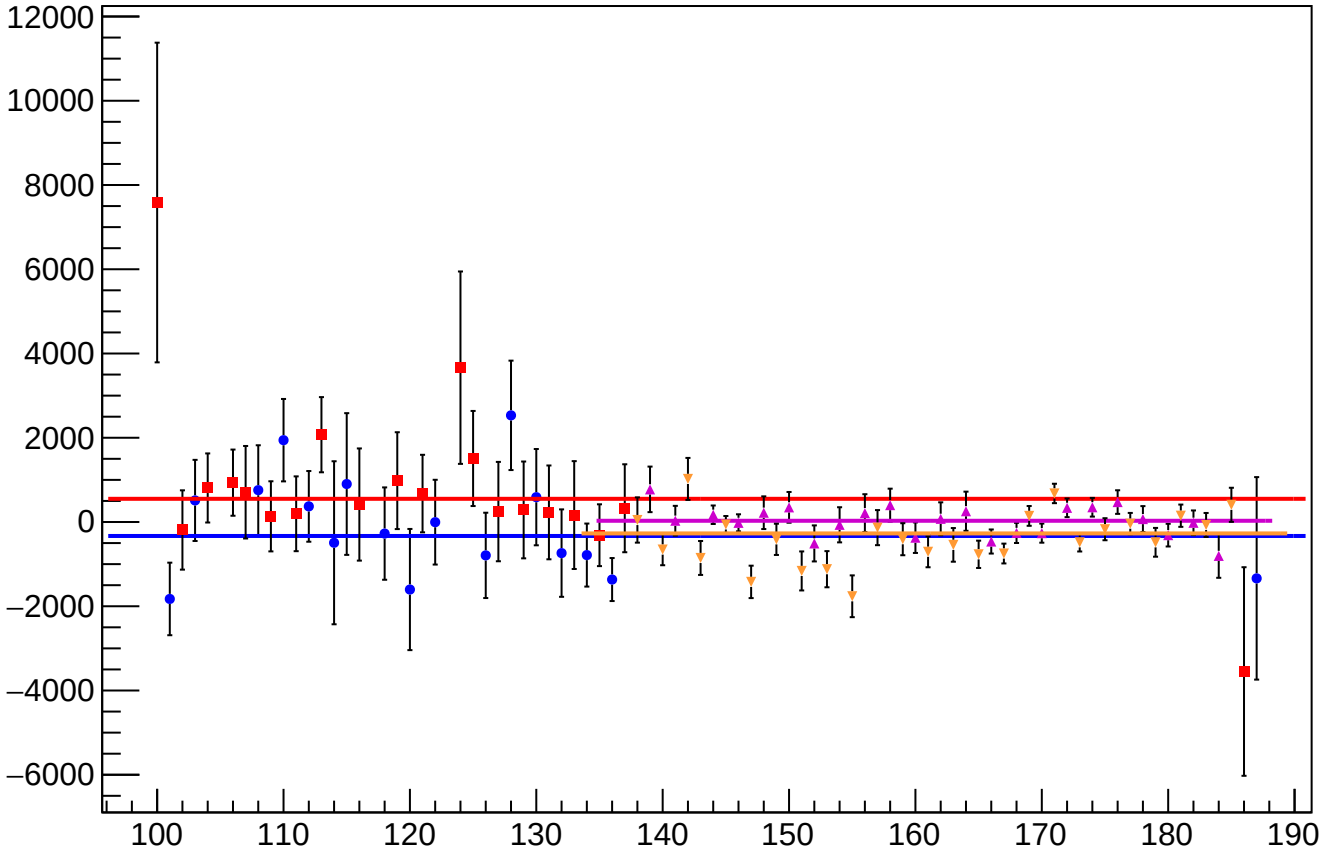
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 63.698+/-0.012 χ^2/NDF: 2082598.1/36

In: 50.191+/-0.007 χ^2/NDF:2186452.6/39

Out: 50.137+/-0.007 χ^2/NDF:2774982.2/44

All: 50.164+/-0.005 χ^2/NDF: 4961464.0/84



Right In: -331.566+/-237.319 χ^2/NDF: 22.9/16

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 550.574+/-233.040 χ^2/NDF: 14.9/19

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

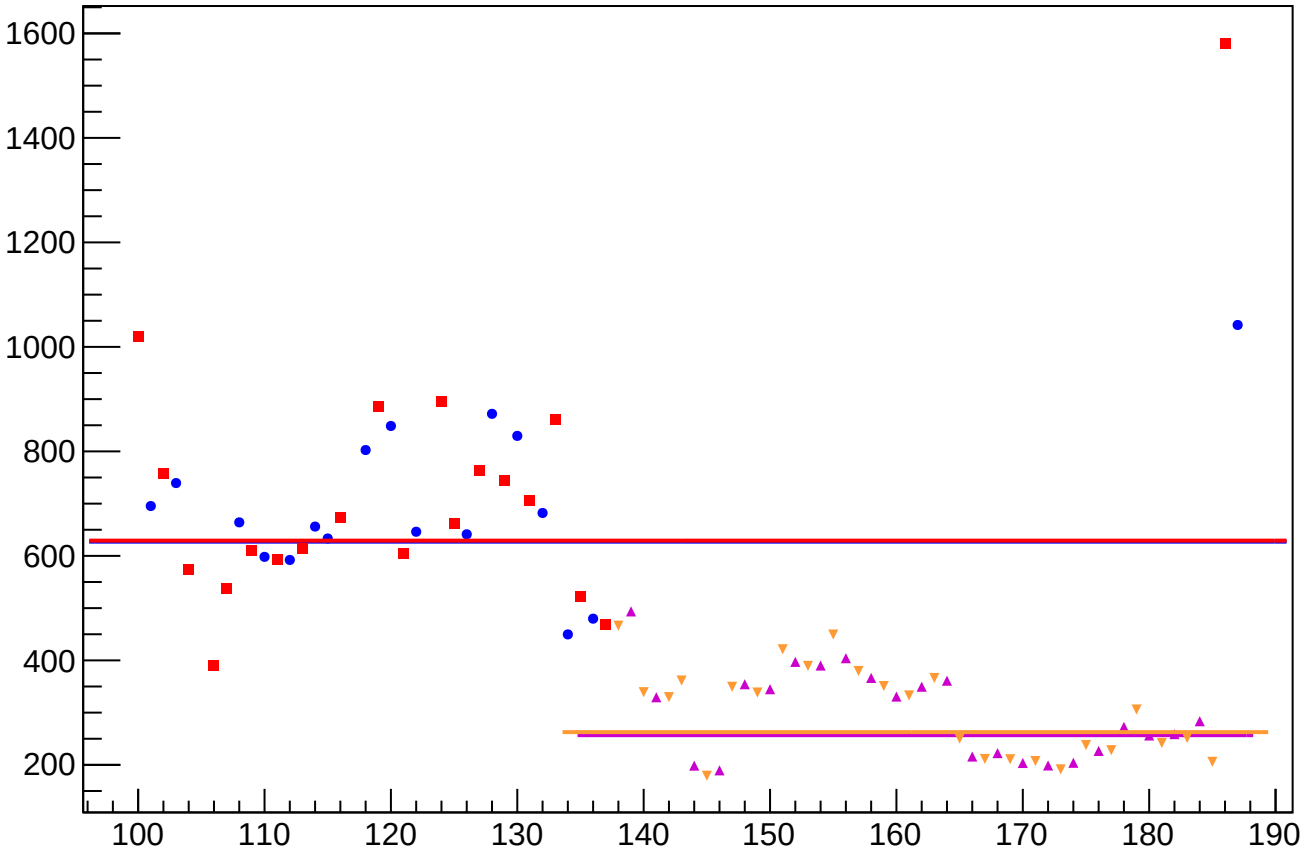
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 117.527+/-166.276 χ^2/NDF: 44.9/36

In: 5.683+/-60.593 χ^2/NDF:49.4/39

Out: -216.149+/-60.228 χ^2/NDF:100.4/44

All: -105.904+/-42.716 χ^2/NDF: 156.6/84



Right In: 627.266+/-0.168 χ^2/NDF: 625669.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 629.177+/-0.165 χ^2/NDF: 908483.9/19

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

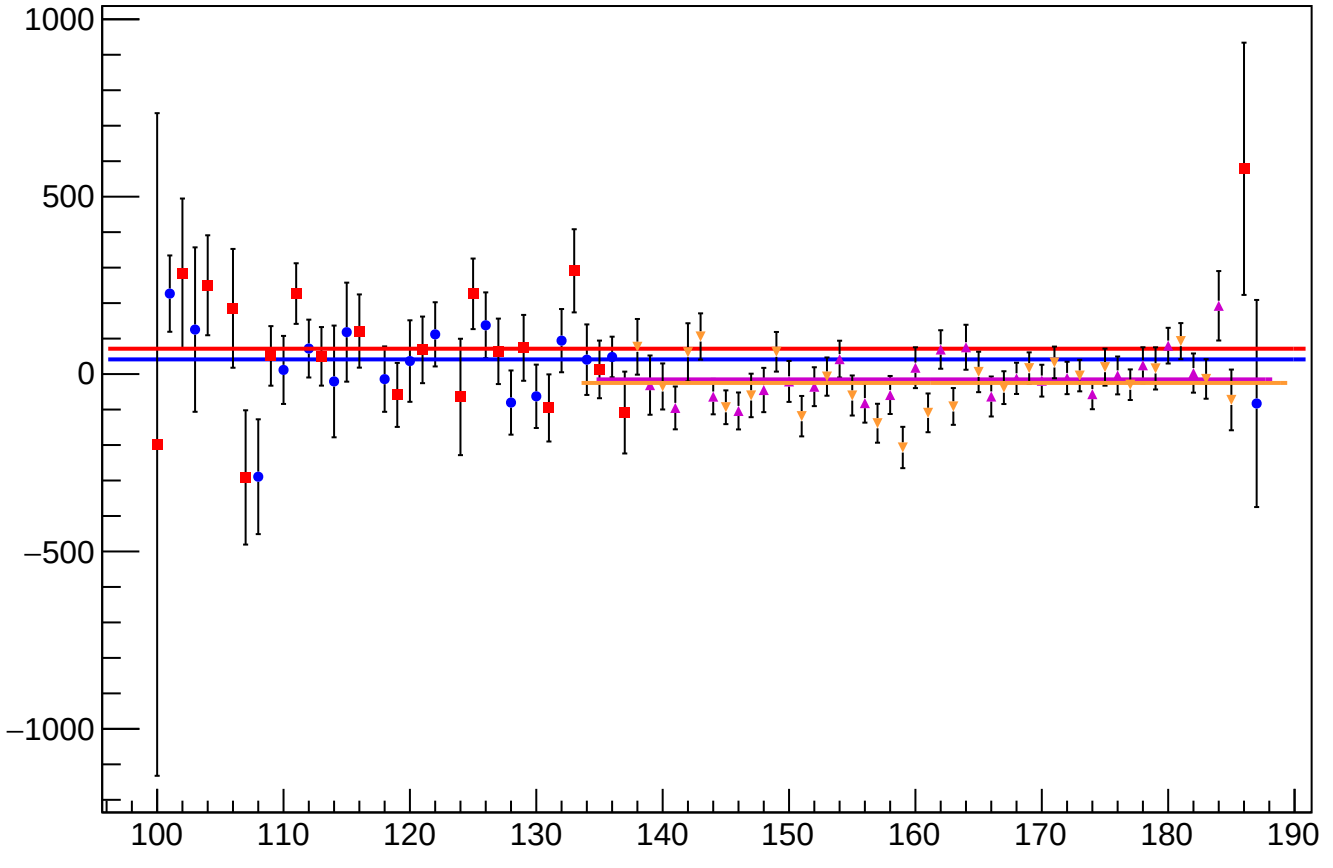
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 628.239+/-0.118 χ^2/NDF: 1534219.0/36

In: 280.991+/-0.043 χ^2/NDF:7819856.1/39

Out: 287.158+/-0.043 χ^2/NDF:8418000.8/44

All: 284.093+/-0.030 χ^2/NDF: 16248280.4/84



Right In: 41.358+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 71.461+/-24.362 χ^2/NDF: 27.3/19

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

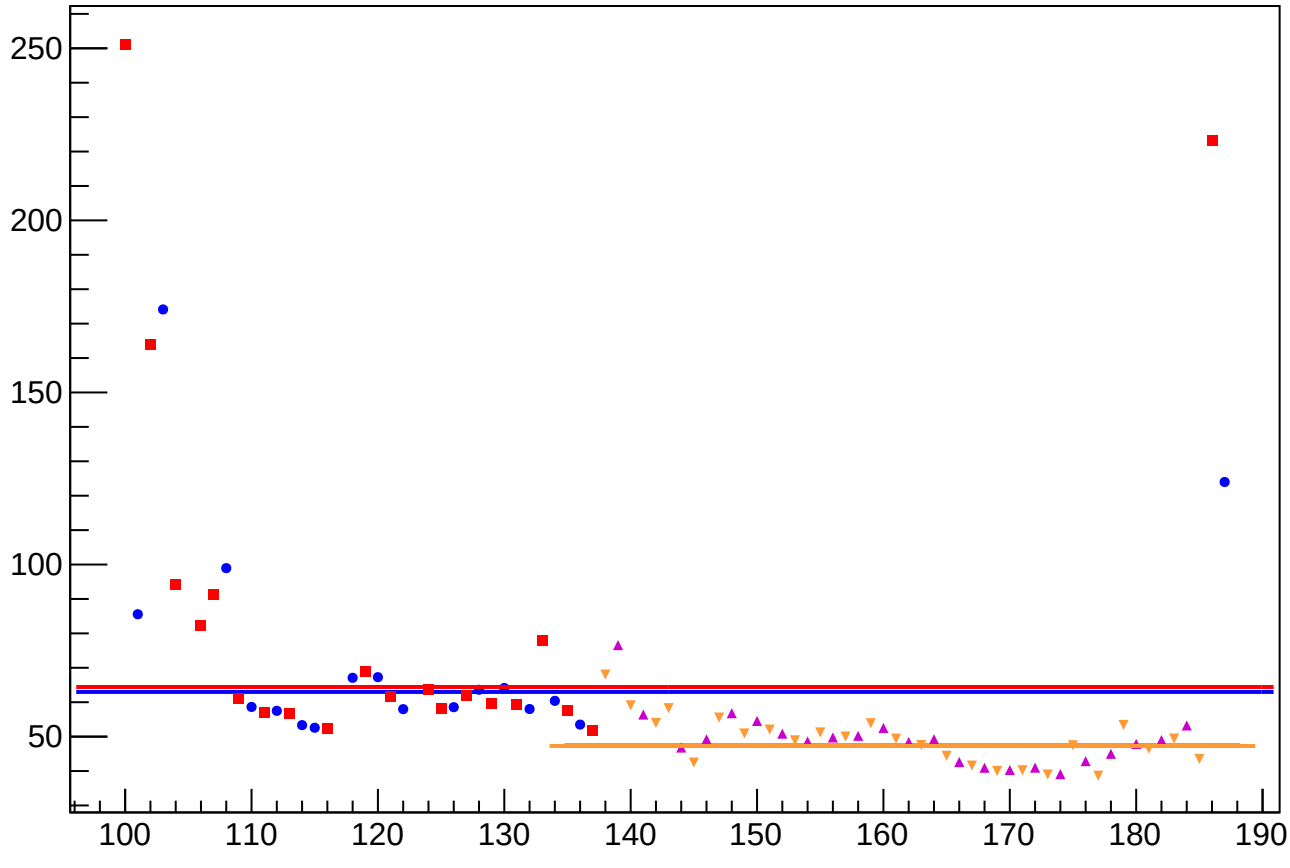
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 56.262+/-17.142 χ^2/NDF: 41.8/36

In: -4.974+/-10.172 χ^2/NDF:43.0/39

Out: -8.929+/-9.940 χ^2/NDF:83.5/44

All: -6.997+/-7.109 χ^2/NDF: 126.5/84



Right In: 62.985+/-0.017 χ^2/NDF: 846585.2/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 64.425+/-0.017 χ^2/NDF: 1232488.2/19

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

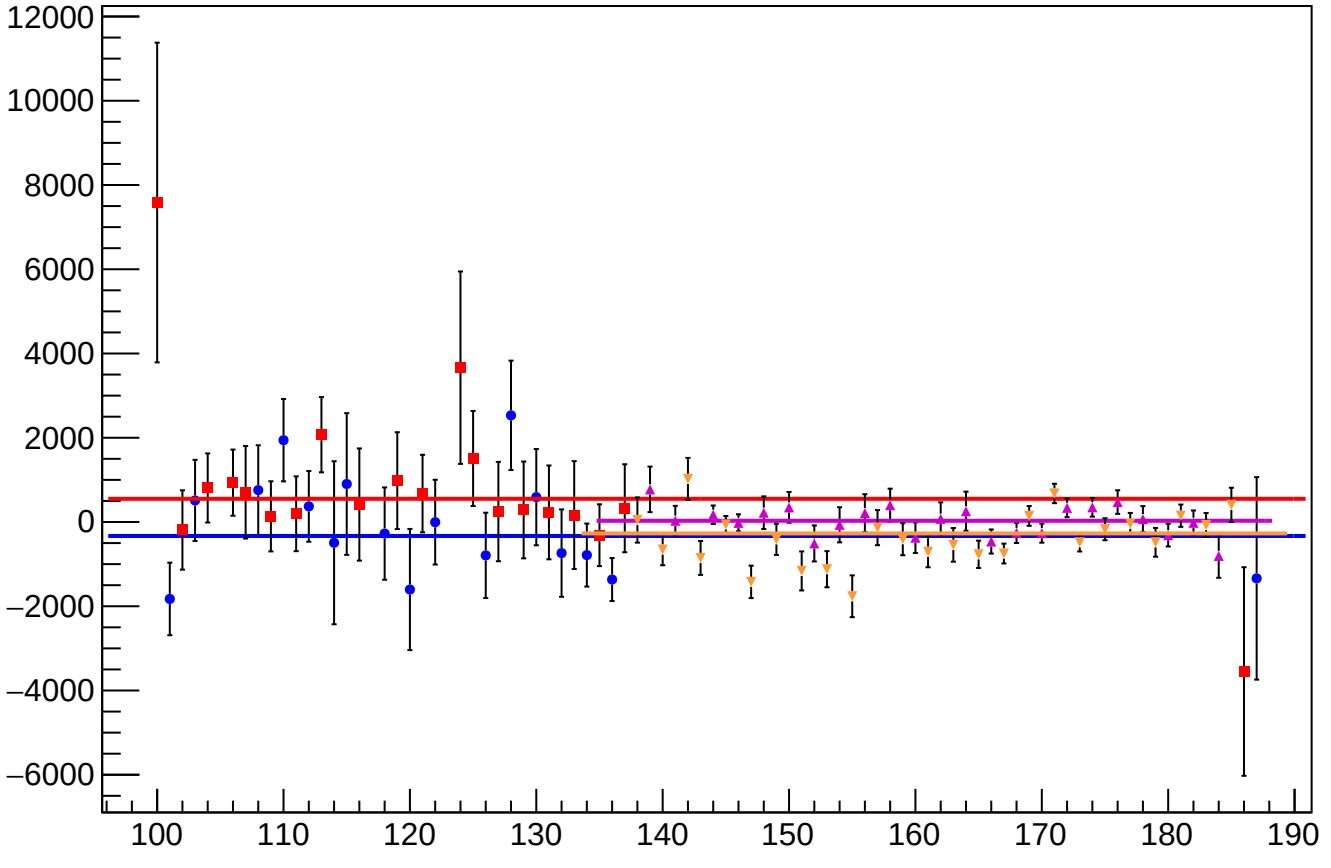
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 63.698+/-0.012 χ^2/NDF: 2082598.1/36

In: 50.191+/-0.007 χ^2/NDF:2186452.6/39

Out: 50.137+/-0.007 χ^2/NDF:2774982.2/44

All: 50.164+/-0.005 χ^2/NDF: 4961464.0/84



Right In: -331.566+/-237.319 χ^2/NDF: 22.9/16

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 550.574+/-233.040 χ^2/NDF: 14.9/19

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

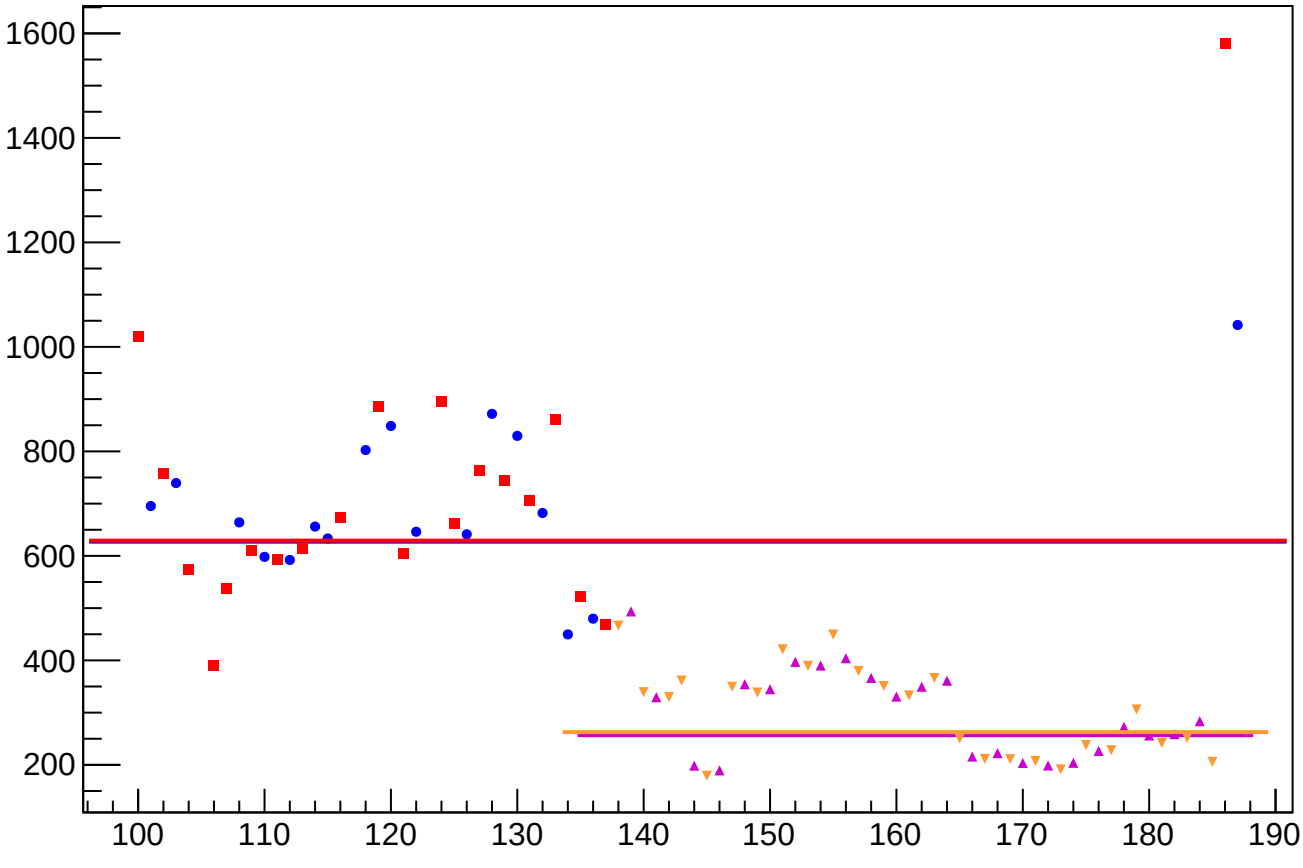
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 117.527+/-166.276 χ^2/NDF: 44.9/36

In: 5.683+/-60.593 χ^2/NDF:49.4/39

Out: -216.149+/-60.228 χ^2/NDF:100.4/44

All: -105.904+/-42.716 χ^2/NDF: 156.6/84



Right In: 627.266+/-0.168 χ^2/NDF: 625669.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 629.177+/-0.165 χ^2/NDF: 908483.9/19

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

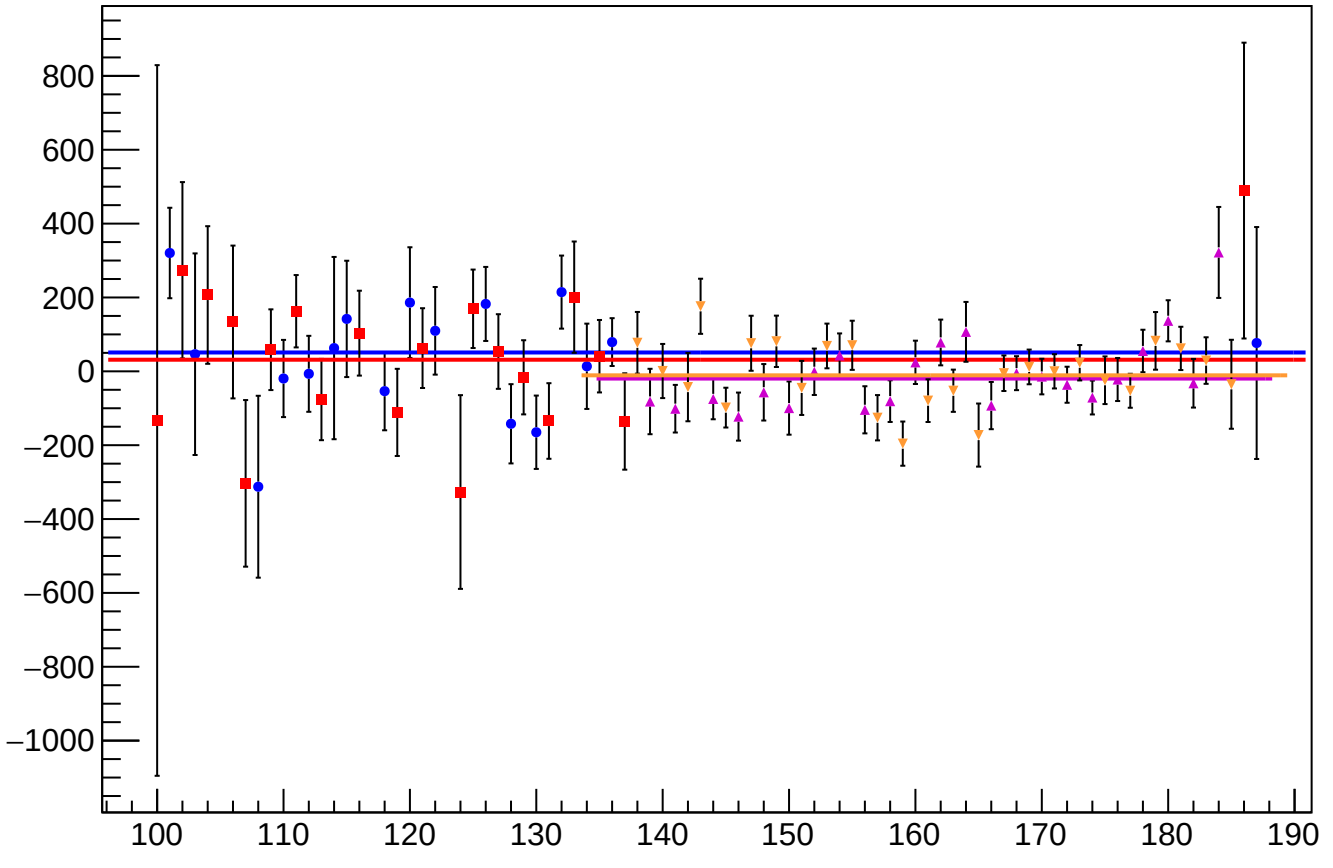
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 628.239+/-0.118 χ^2/NDF: 1534219.0/36

In: 280.991+/-0.043 χ^2/NDF:7819856.1/39

Out: 287.158+/-0.043 χ^2/NDF:8418000.8/44

All: 284.093+/-0.030 χ^2/NDF: 16248280.4/84



Right In: 51.049+/-28.202 χ^2/NDF: 22.9/16

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.426+/-28.835 χ^2/NDF: 19.8/19

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

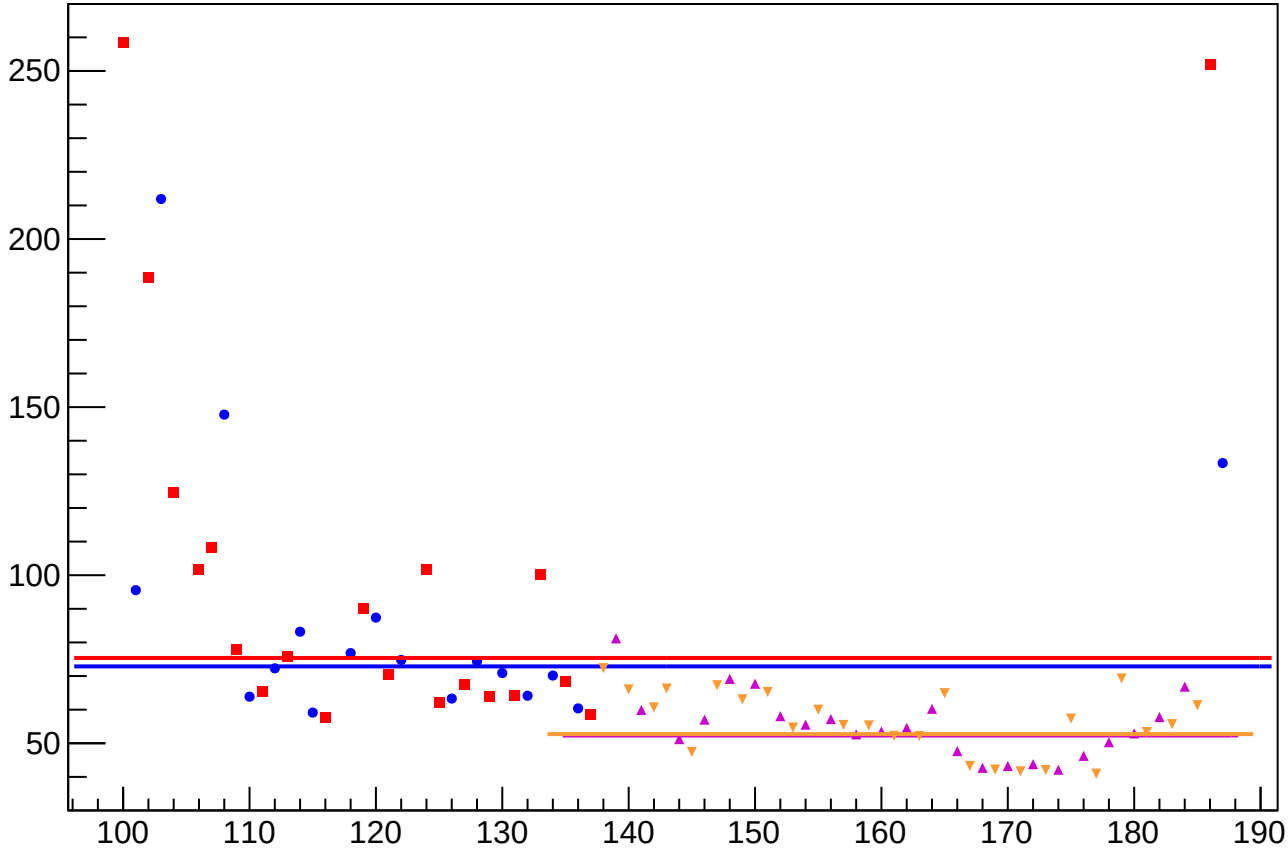
Right: 41.455+/-20.162 χ^2/NDF: 42.9/36

In: -7.926+/-11.463 χ^2/NDF:64.9/39

Out: -4.314+/-11.318 χ^2/NDF:62.0/44

All: -6.097+/-8.054 χ^2/NDF: 127.0/84

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.870+/-0.020 χ^2/NDF: 1012976.0/16

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 75.383+/-0.020 χ^2/NDF: 1443056.5/19

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

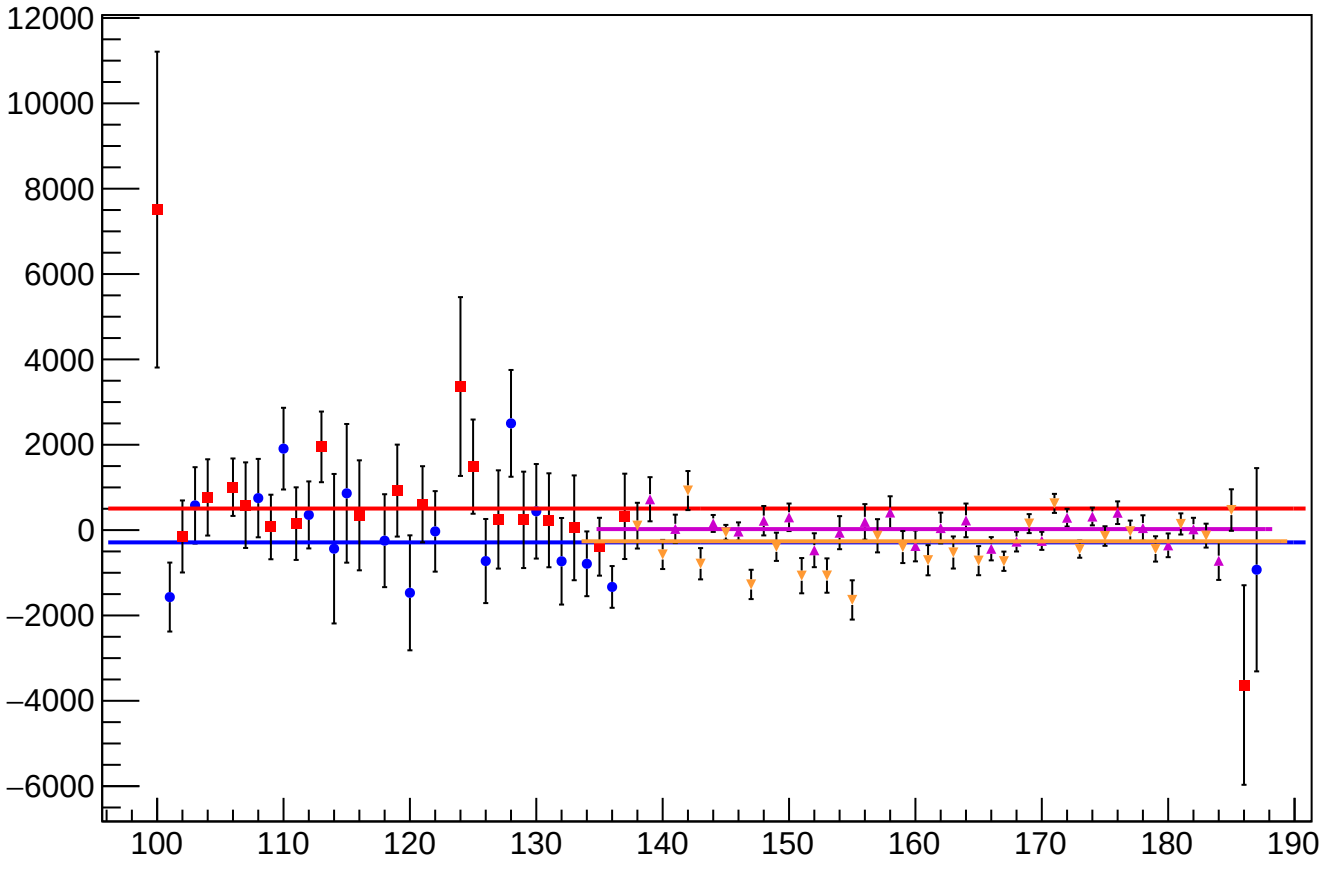
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 74.099+/-0.014 χ^2/NDF: 2463801.4/36

In: 55.710+/-0.008 χ^2/NDF:2791825.9/39

Out: 56.221+/-0.008 χ^2/NDF:3654397.8/44

All: 55.969+/-0.006 χ^2/NDF: 6448240.0/84



Right In: -287.903+/-226.755 χ^2/NDF: 22.9/16

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 505.113+/-219.925 χ^2/NDF: 16.4/19

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

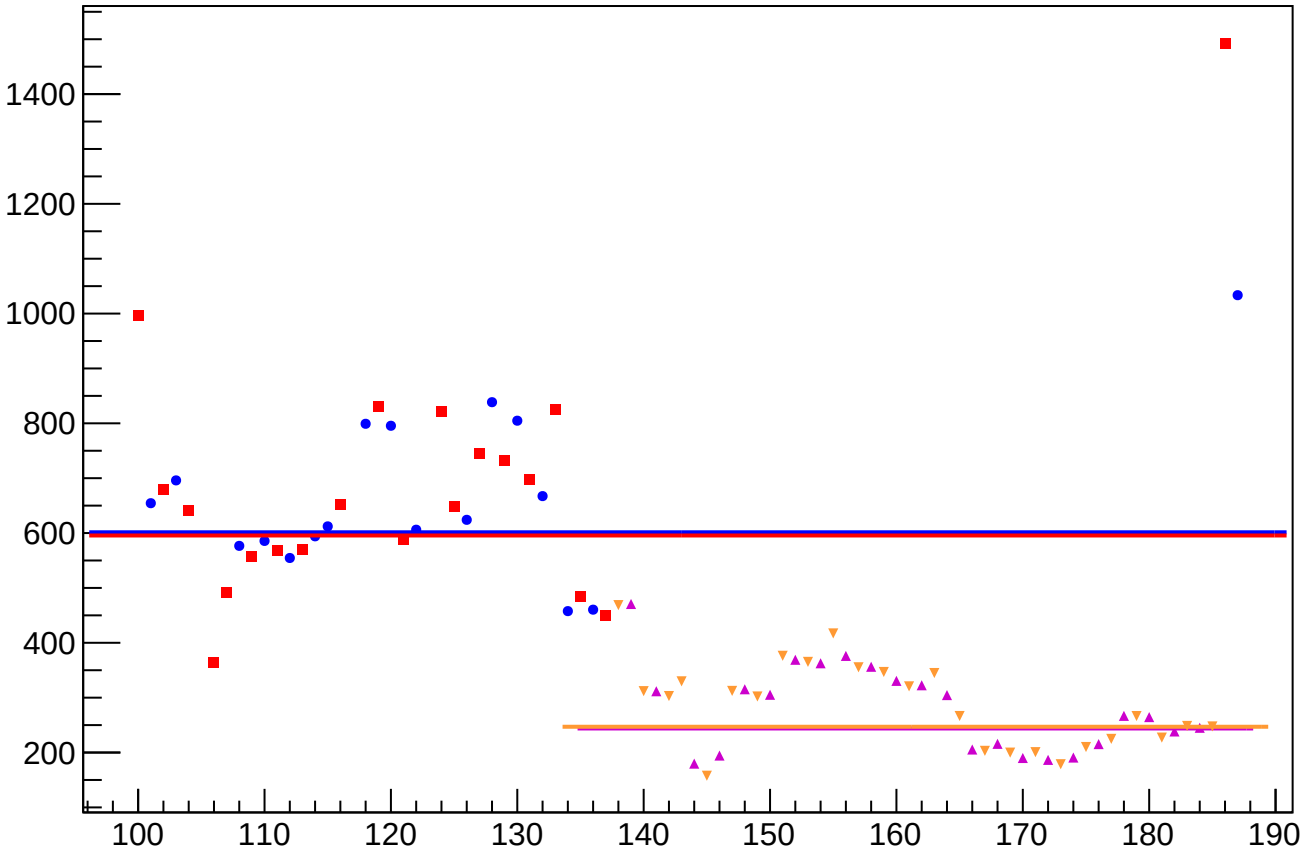
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 120.727+/-157.870 χ^2/NDF: 45.6/36

In: 3.476+/-57.458 χ^2/NDF:48.8/39

Out: -211.851+/-56.535 χ^2/NDF:100.0/44

All: -105.931+/-40.299 χ^2/NDF: 156.0/84



Right In: 601.392+/-0.160 χ^2/NDF: 600242.1/16

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 595.568+/-0.156 χ^2/NDF: 985719.8/19

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

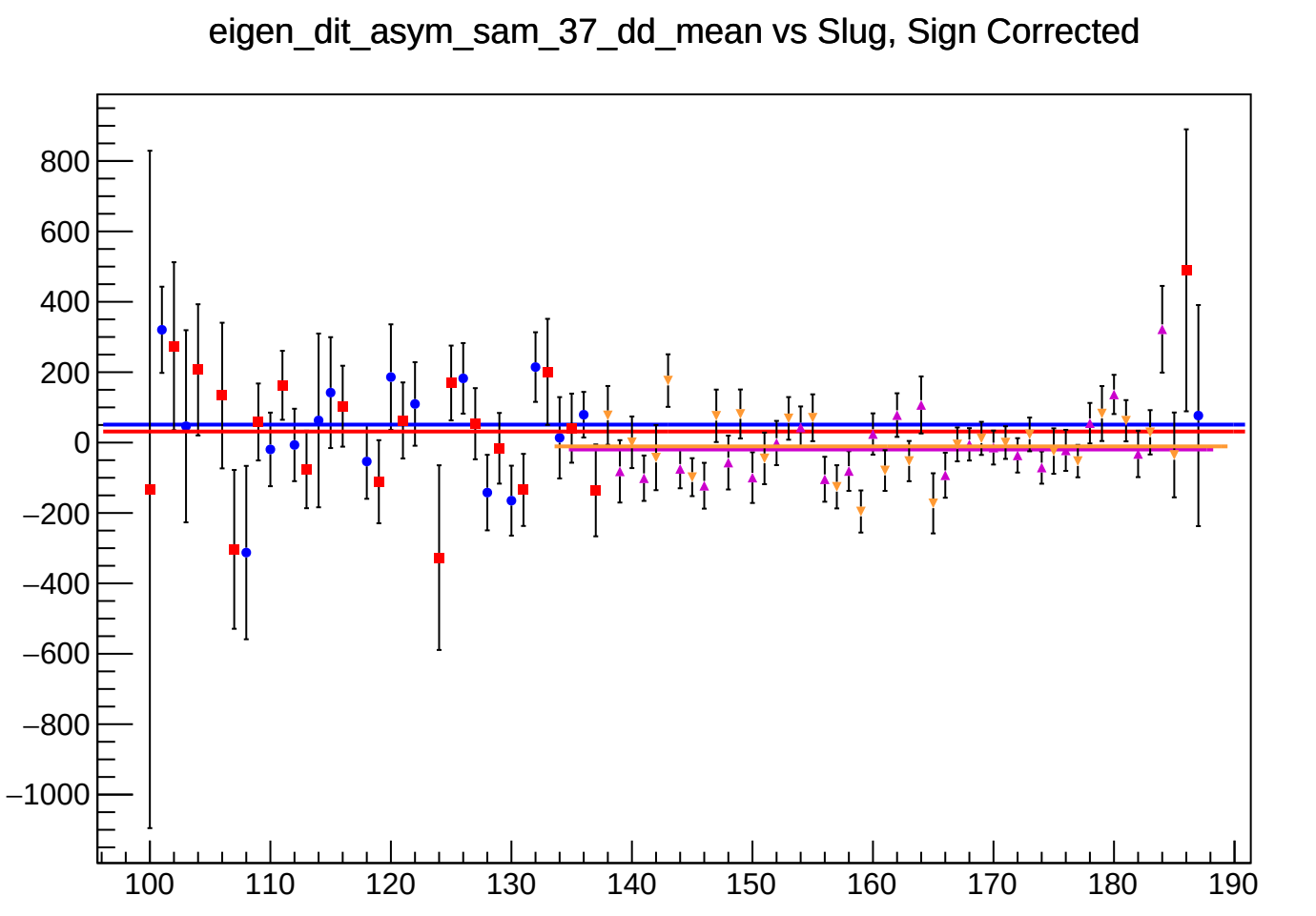
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 598.391+/-0.112 χ^2/NDF: 1586641.6/36

In: 266.784+/-0.041 χ^2/NDF:7744625.3/39

Out: 270.030+/-0.040 χ^2/NDF:8603621.1/44

All: 268.433+/-0.028 χ^2/NDF: 16351489.8/84



Right In: 51.048+/-28.202 χ^2/NDF: 22.9/16

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.424+/-28.835 χ^2/NDF: 19.8/19

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

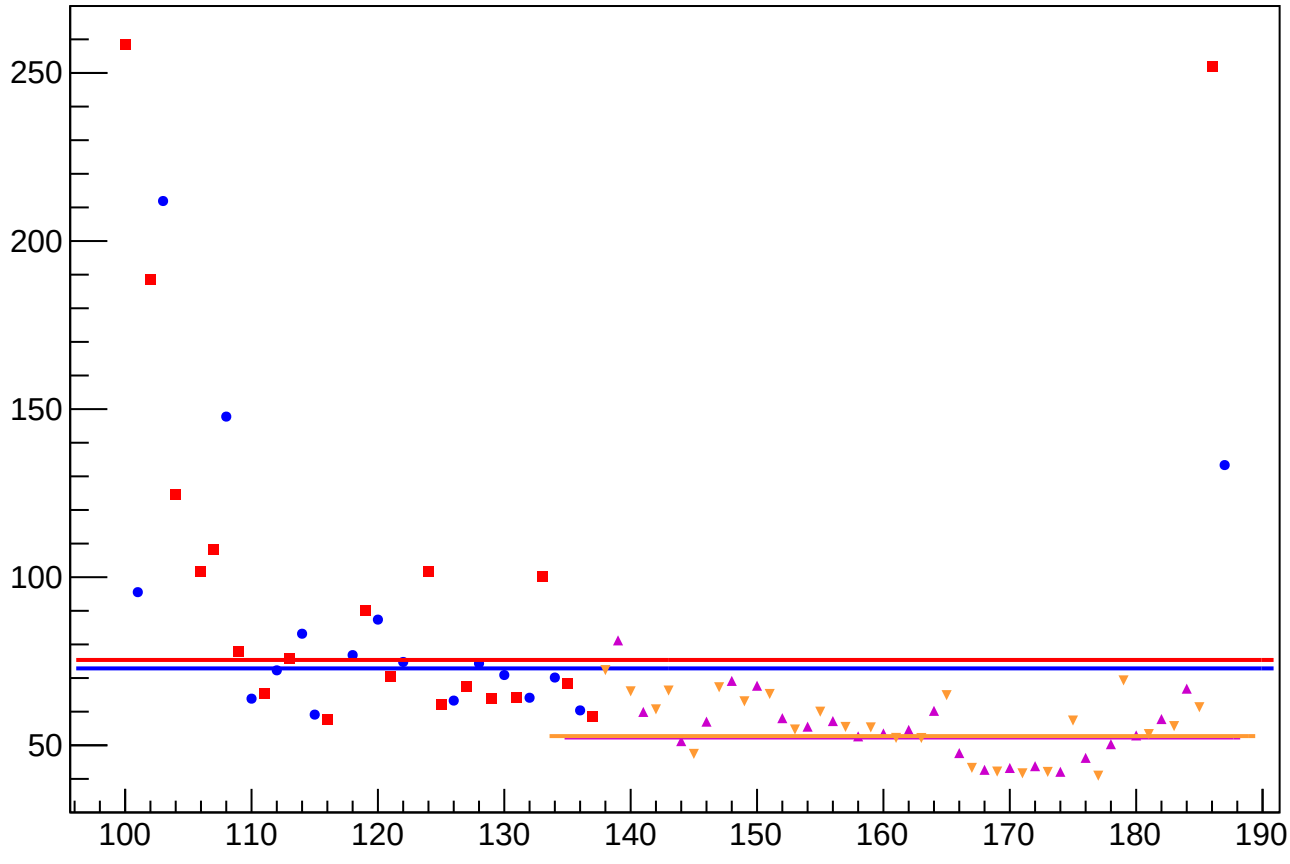
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 41.454+/-20.162 χ^2/NDF: 42.9/36

In: -7.927+/-11.463 χ^2/NDF:64.9/39

Out: -4.313+/-11.318 χ^2/NDF:62.0/44

All: -6.097+/-8.054 χ^2/NDF: 127.0/84



Right In: 72.869+/-0.020 χ^2/NDF: 1012979.9/16

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 75.383+/-0.020 χ^2/NDF: 1443051.4/19

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

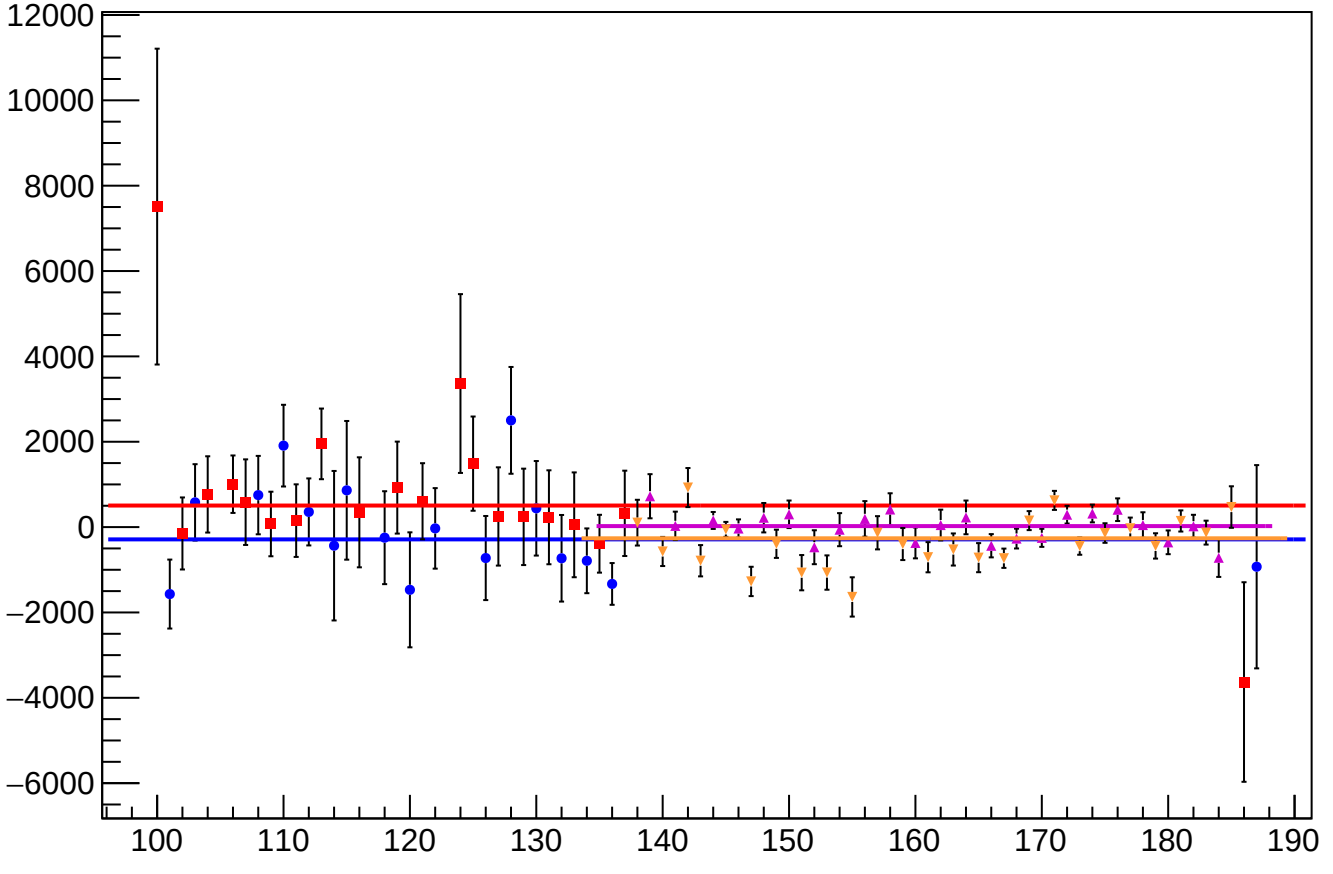
Right: 74.099+/-0.014 χ^2/NDF: 2463800.6/36

In: 55.710+/-0.008 χ^2/NDF:2791823.4/39

Out: 56.221+/-0.008 χ^2/NDF:3654409.2/44

All: 55.969+/-0.006 χ^2/NDF: 6448249.0/84

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -287.903+/-226.755 χ^2/NDF: 22.9/16

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 505.114+/-219.925 χ^2/NDF: 16.4/19

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

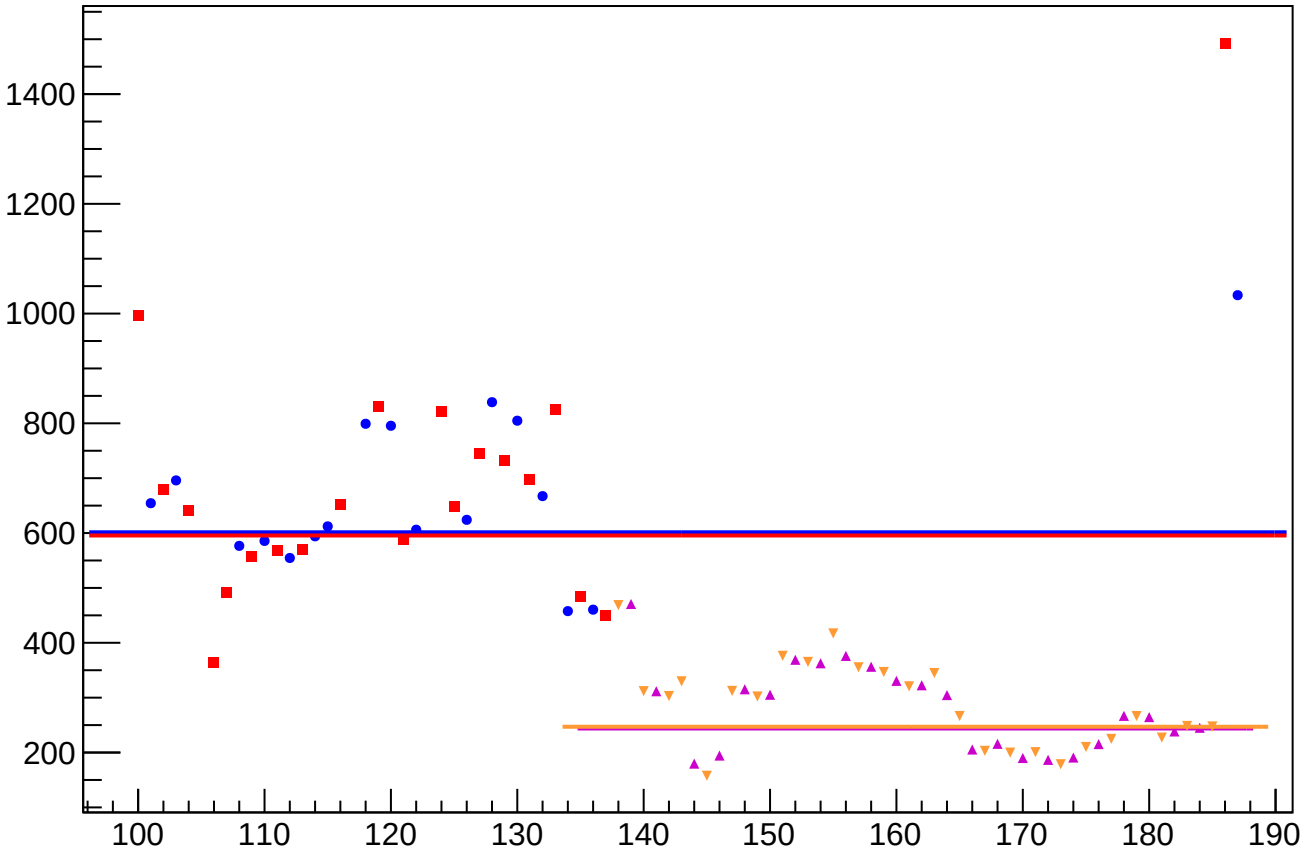
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 120.728+/-157.870 χ^2/NDF: 45.6/36

In: 3.476+/-57.458 χ^2/NDF:48.8/39

Out: -211.851+/-56.535 χ^2/NDF:100.0/44

All: -105.931+/-40.299 χ^2/NDF: 156.0/84



Right In: 601.392+/-0.160 χ^2/NDF: 600239.3/16

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 595.568+/-0.156 χ^2/NDF: 985717.1/19

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

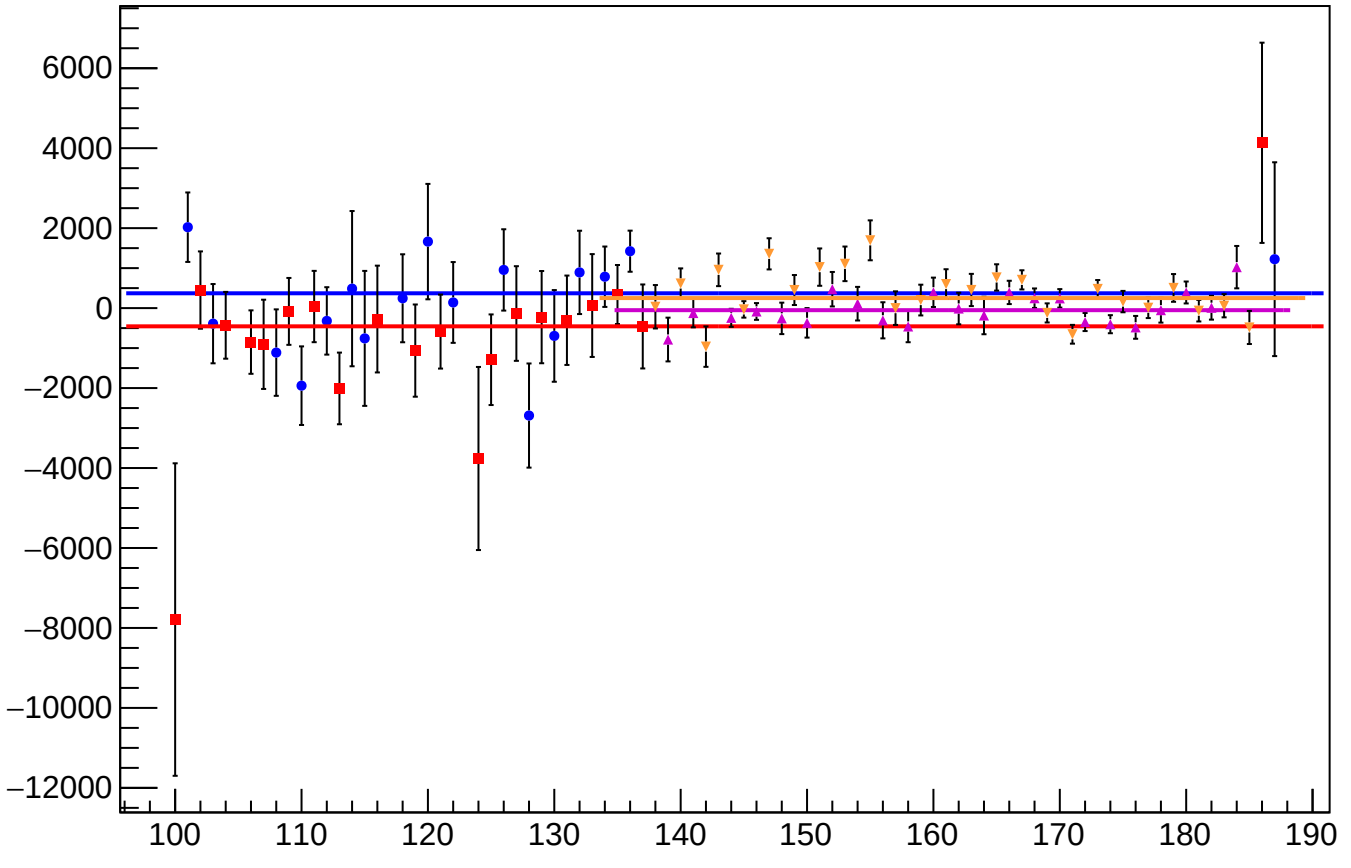
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 598.391+/-0.112 χ^2/NDF: 1586636.1/36

In: 266.784+/-0.041 χ^2/NDF:7744625.5/39

Out: 270.030+/-0.040 χ^2/NDF:8603606.0/44

All: 268.433+/-0.028 χ^2/NDF: 16351475.2/84



Right In: 370.764+/-239.131 χ^2/NDF: 25.2/16

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -455.860+/-234.987 χ^2/NDF: 16.1/19

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

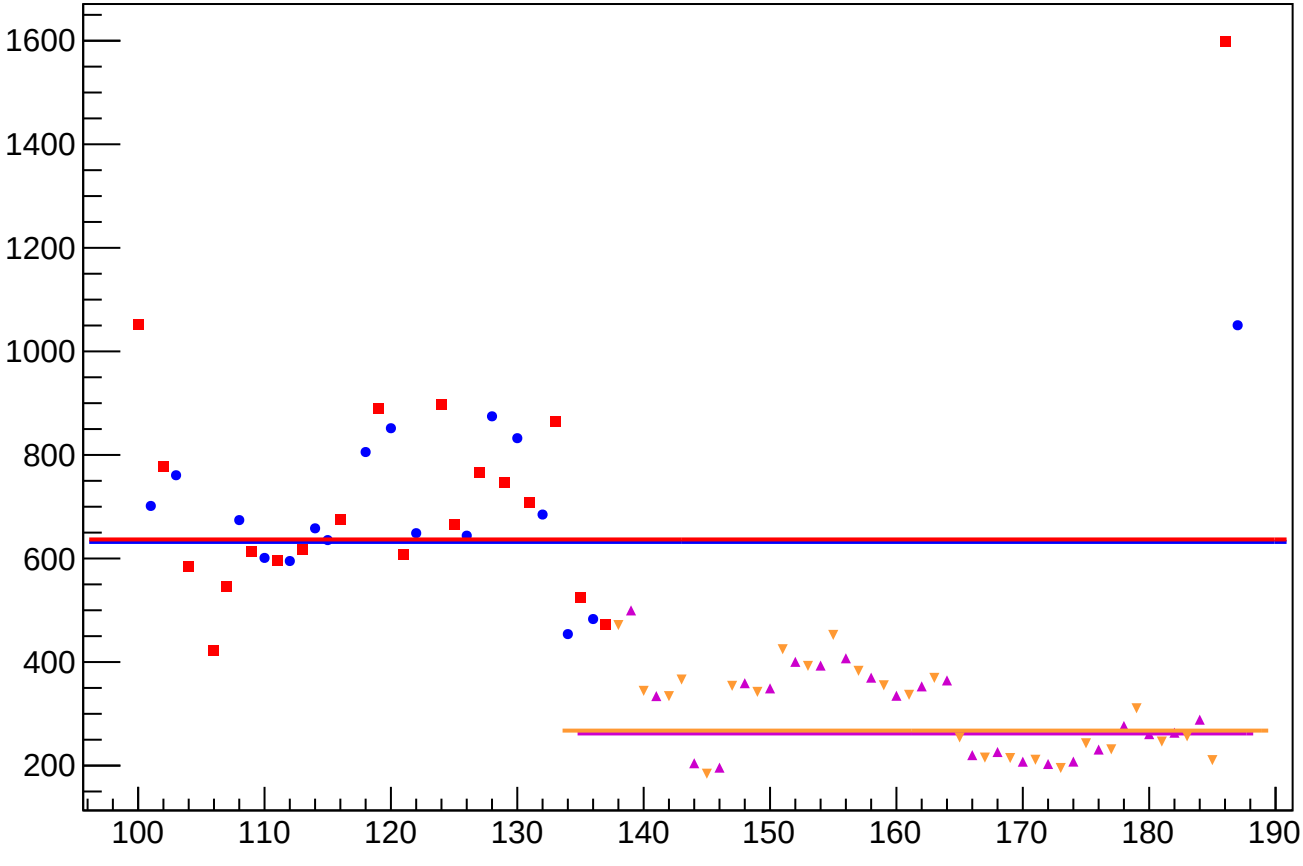
Right: -49.771+/-167.607 χ^2/NDF: 47.3/36

In: -23.598+/-61.683 χ^2/NDF:54.9/39

Out: 203.106+/-61.233 χ^2/NDF:92.1/44

All: 90.584+/-43.456 χ^2/NDF: 153.8/84

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 632.009+/-0.169 χ^2/NDF: 626989.6/16

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 636.791+/-0.166 χ^2/NDF: 868461.3/19

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

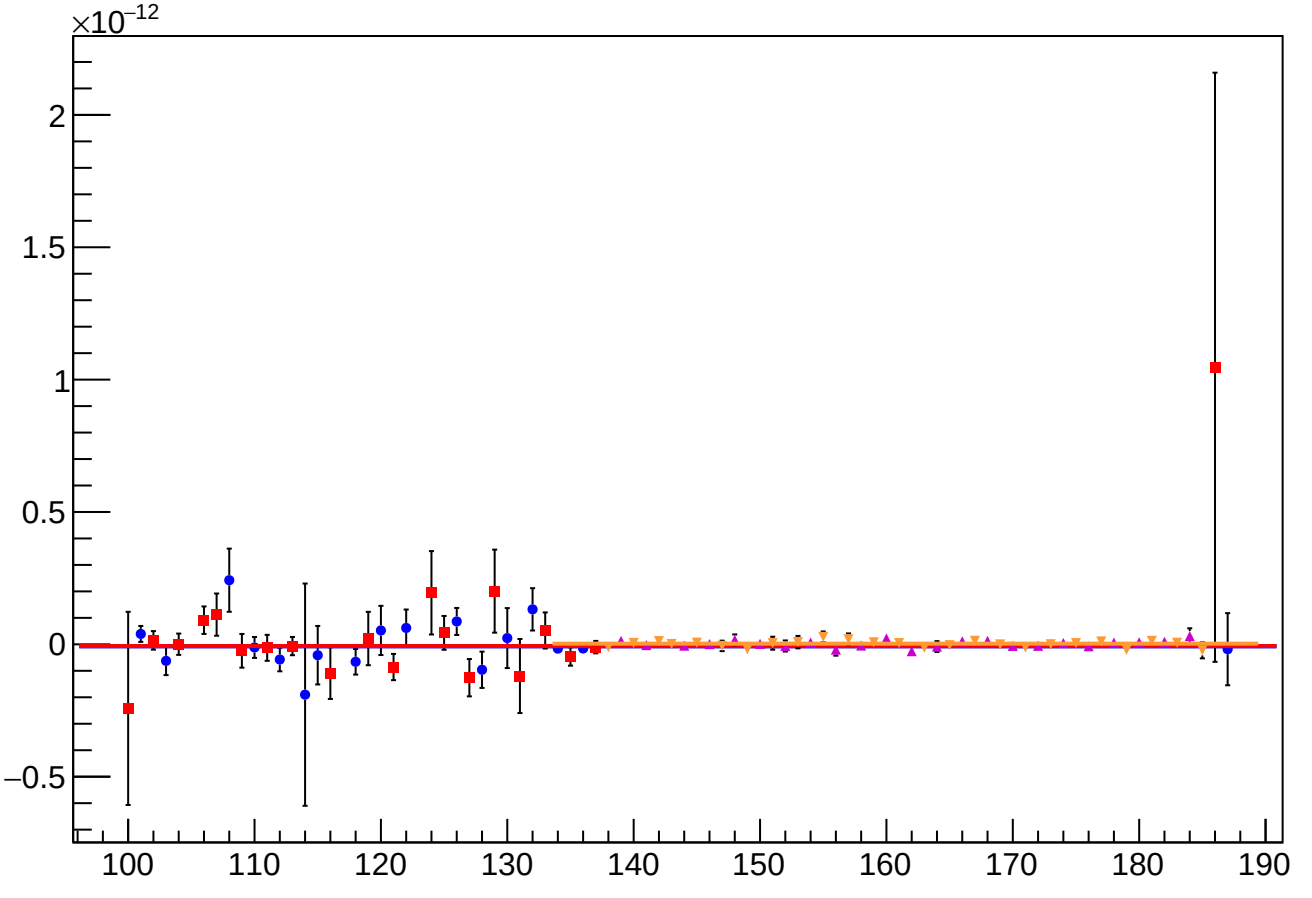
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 634.442+/-0.119 χ^2/NDF: 1495857.9/36

In: 286.705+/-0.044 χ^2/NDF:7631943.5/39

Out: 292.658+/-0.043 χ^2/NDF:8271769.6/44

All: 289.703+/-0.031 χ^2/NDF: 15913096.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/19

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

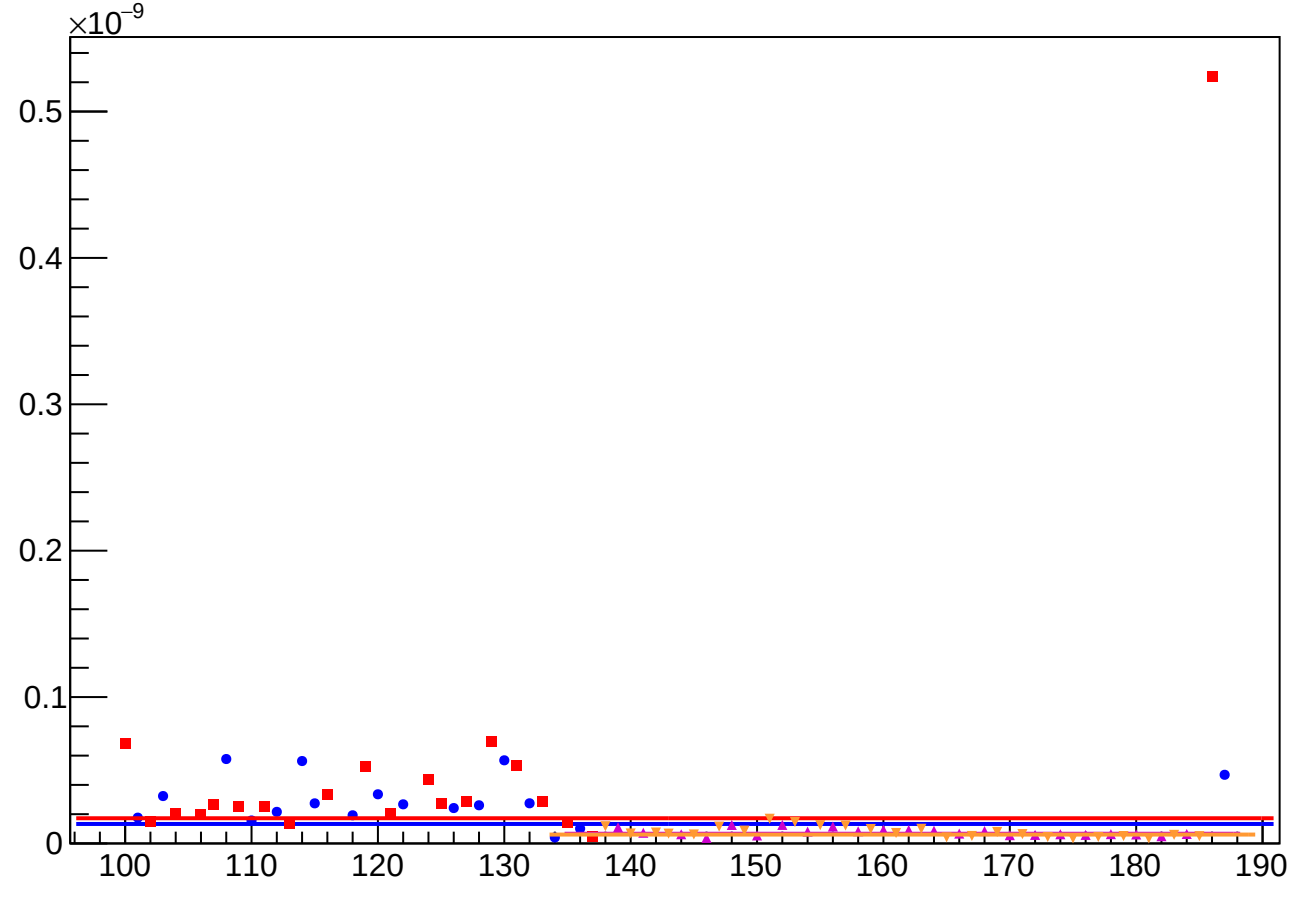
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.9/36

In: 0.000+/-0.000 χ^2/NDF:34.1/39

Out: 0.000+/-0.000 χ^2/NDF:36.7/44

All: 0.000+/-0.000 χ^2/NDF: 71.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 2205130.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2061089.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

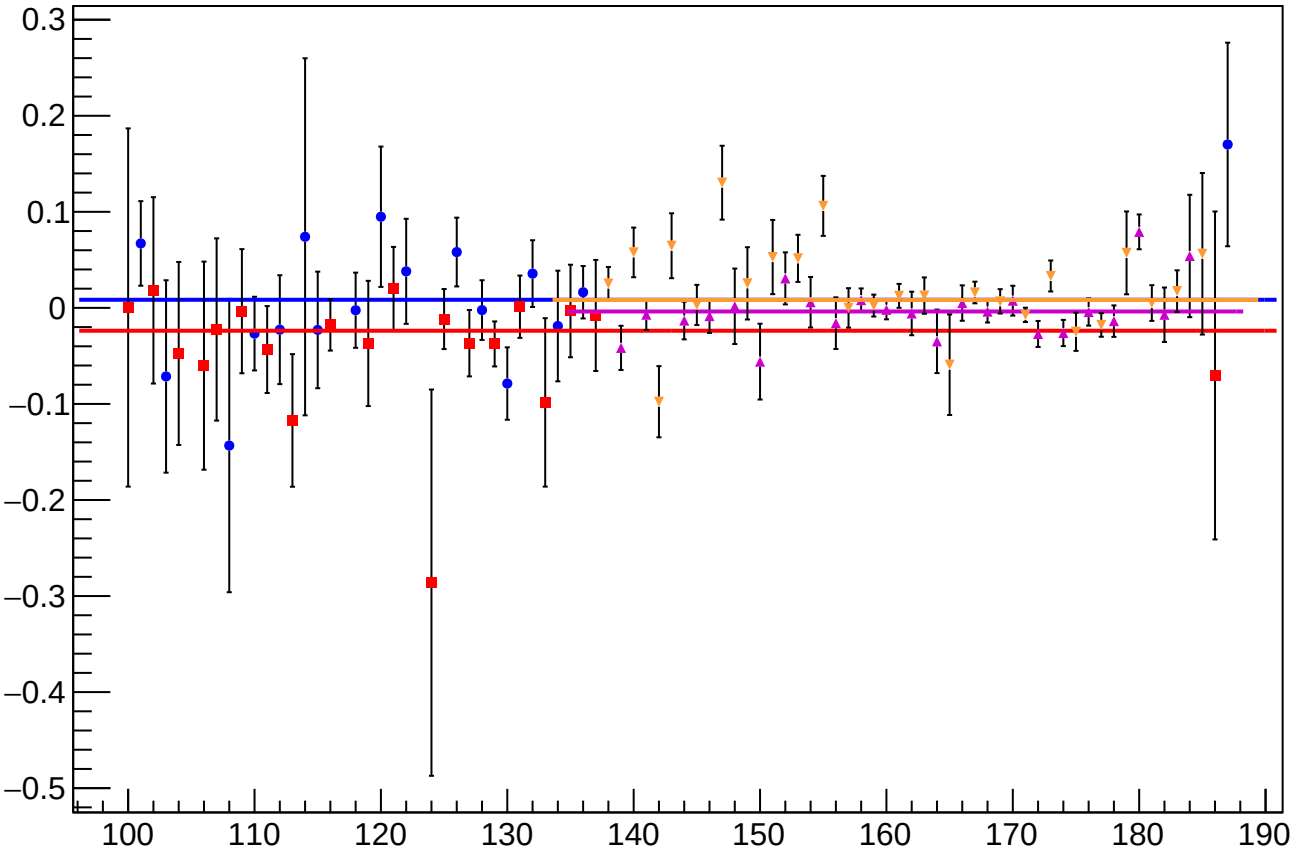
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4404542.9/36

In: 0.000+/-0.000 χ^2/NDF:4326216.5/39

Out: 0.000+/-0.000 χ^2/NDF:6259812.9/44

All: 0.000+/-0.000 χ^2/NDF: 10639693.9/84



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/19

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

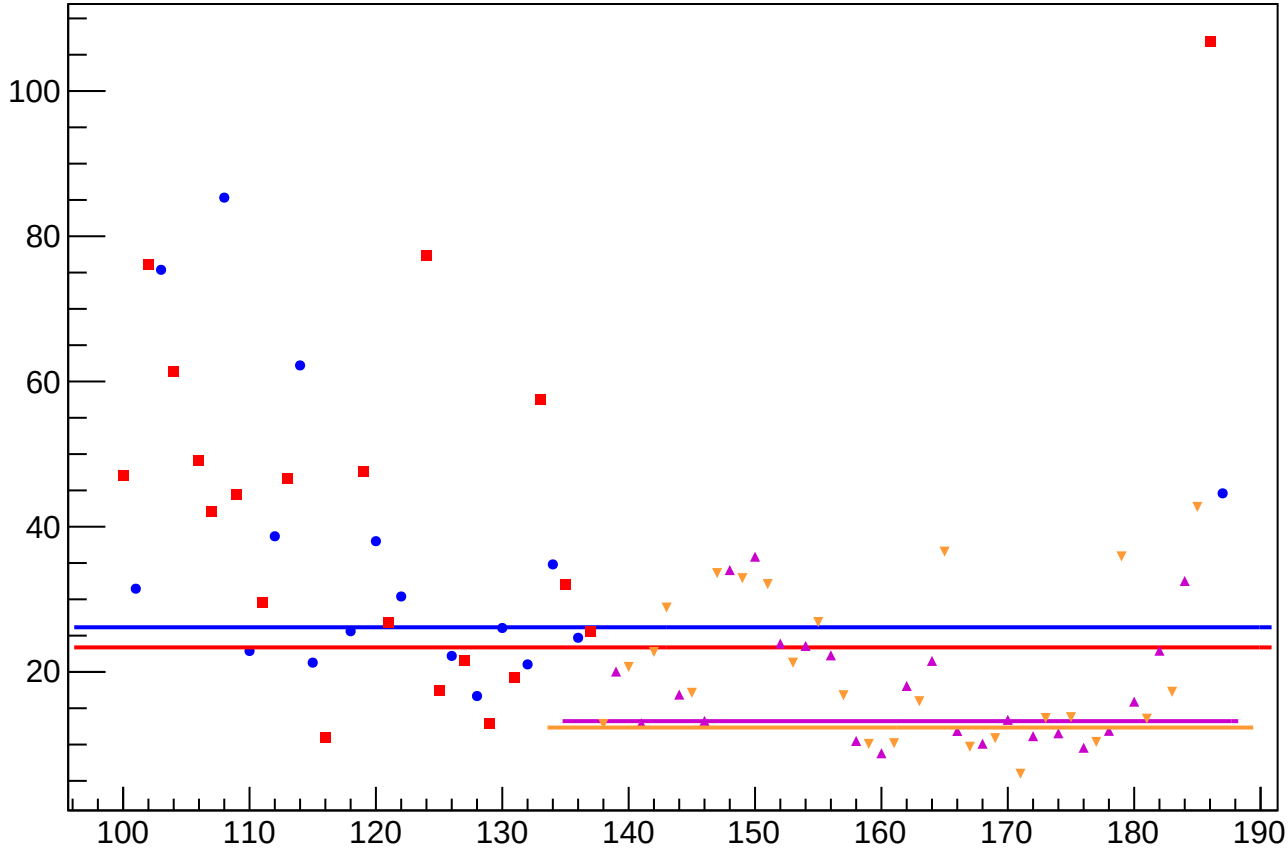
Right: -0.009+/-0.008 χ^2/NDF: 29.4/36

In: -0.003+/-0.003 χ^2/NDF:55.7/39

Out: 0.005+/-0.003 χ^2/NDF:74.8/44

All: 0.001+/-0.002 χ^2/NDF: 133.0/84

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.151+/-0.008 χ^2/NDF: 1442885.4/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 23.381+/-0.007 χ^2/NDF: 3840380.8/19

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

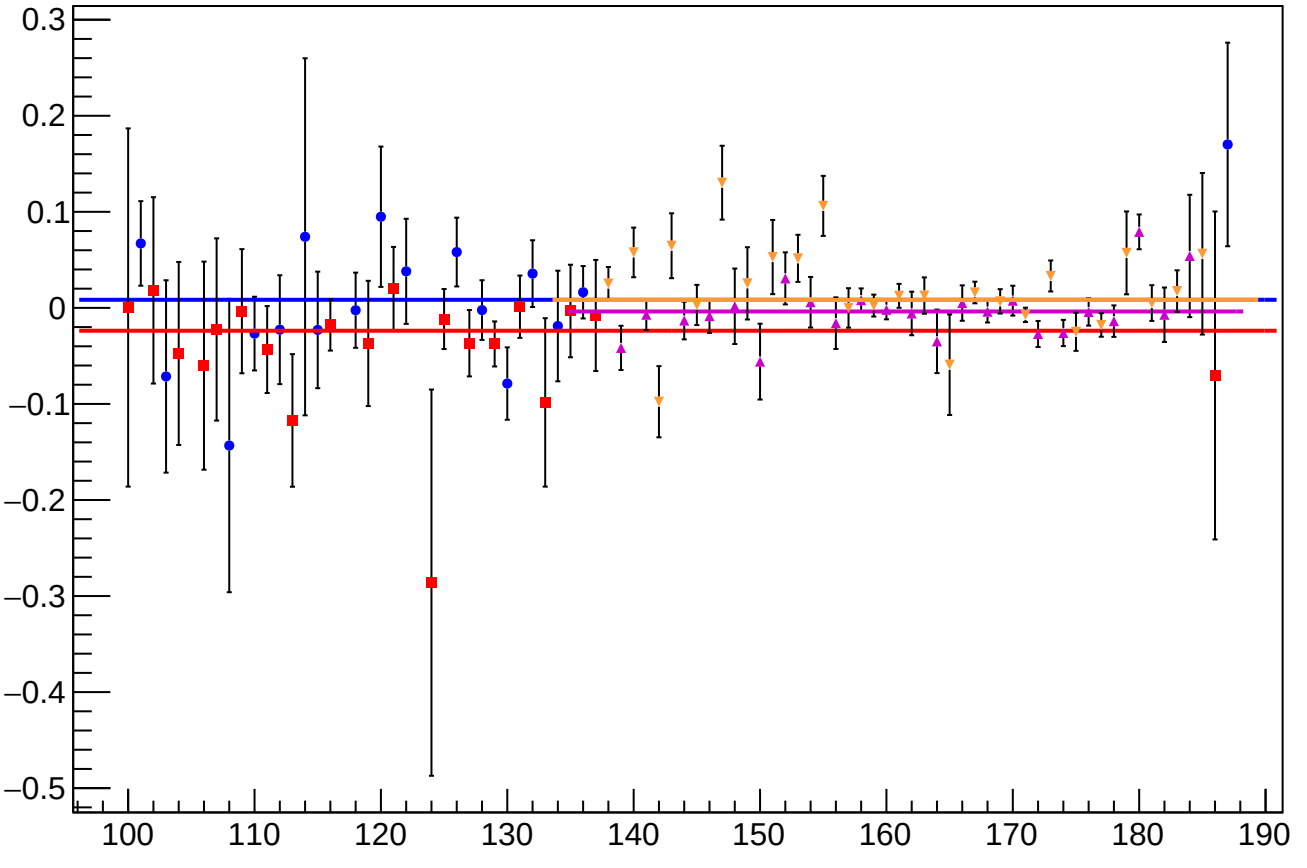
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 24.694+/-0.005 χ^2/NDF: 5349519.0/36

In: 14.489+/-0.002 χ^2/NDF:7787440.2/39

Out: 13.424+/-0.002 χ^2/NDF:12584582.1/44

All: 13.929+/-0.002 χ^2/NDF: 20471989.6/84



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/19

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

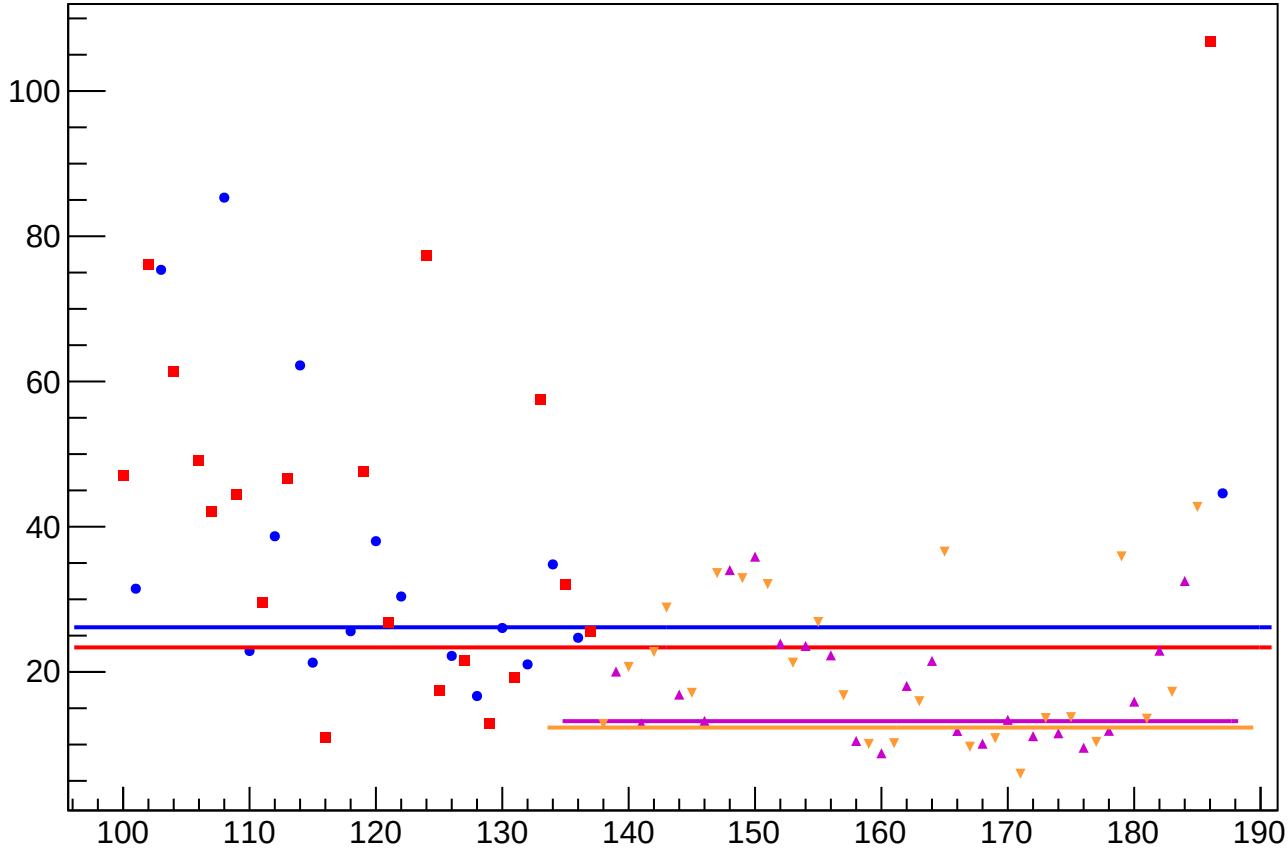
Right: -0.009+/-0.008 χ^2/NDF: 29.4/36

In: -0.003+/-0.003 χ^2/NDF:55.7/39

Out: 0.005+/-0.003 χ^2/NDF:74.8/44

All: 0.001+/-0.002 χ^2/NDF: 133.0/84

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.151+/-0.008 χ^2/NDF: 1442885.4/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 23.381+/-0.007 χ^2/NDF: 3840380.8/19

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

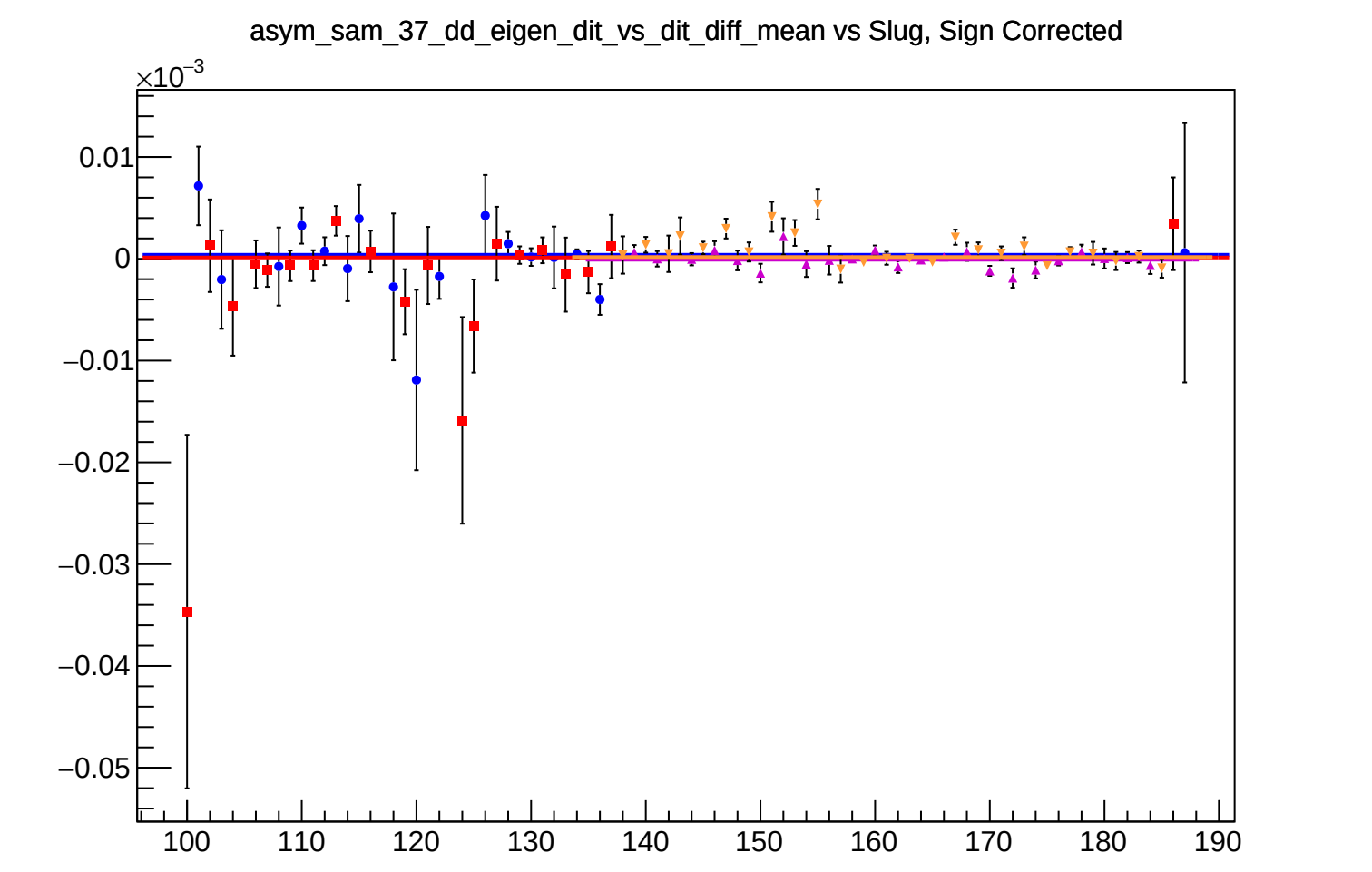
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 24.694+/-0.005 χ^2/NDF: 5349519.0/36

In: 14.489+/-0.002 χ^2/NDF:7787440.2/39

Out: 13.424+/-0.002 χ^2/NDF:12584582.1/44

All: 13.929+/-0.002 χ^2/NDF: 20471989.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

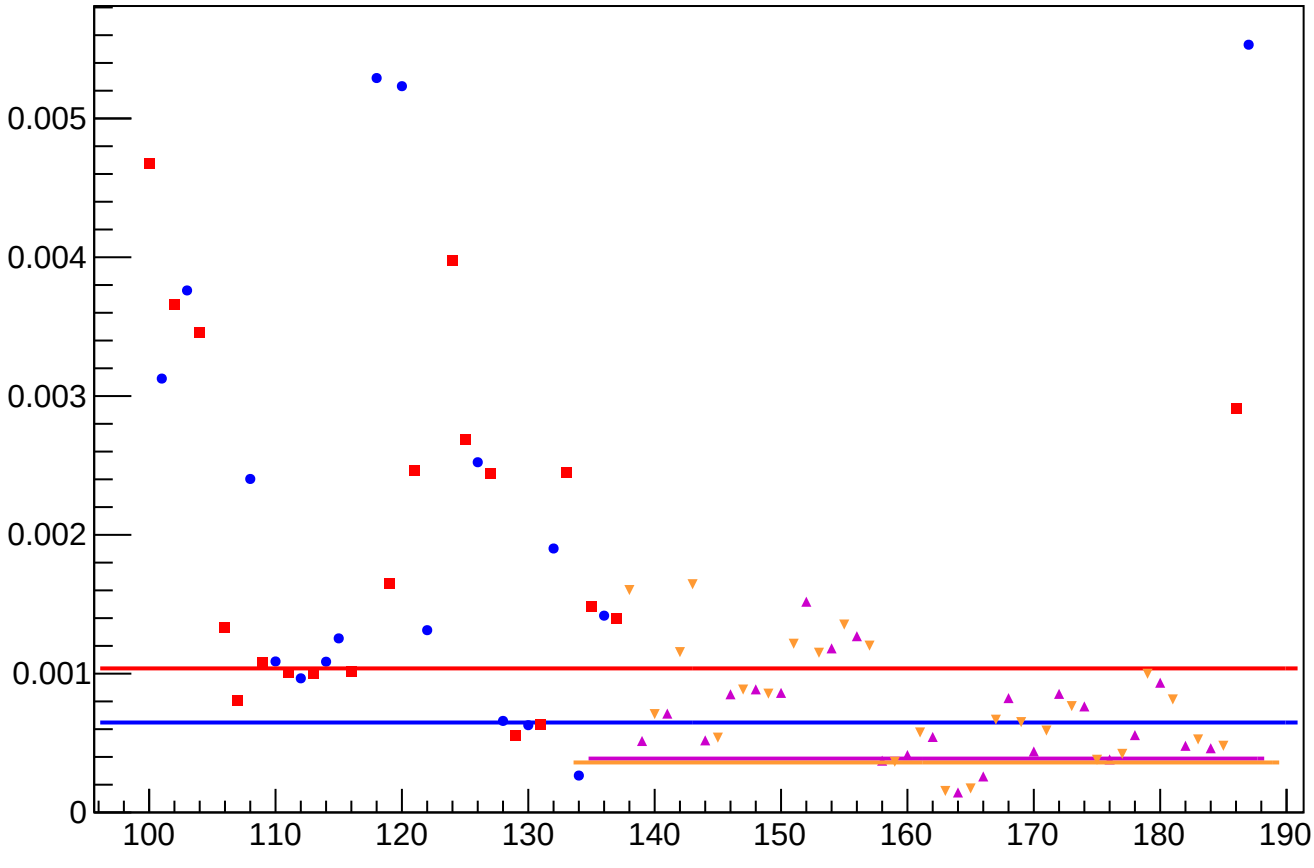
Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

Right: 0.000+/-0.000 χ^2/NDF: 42.0/36

In: -0.000+/-0.000 χ^2/NDF:47.1/39

Out: 0.000+/-0.000 χ^2/NDF:82.5/44

All: 0.000+/-0.000 χ^2/NDF: 131.6/84



Right In: 0.001+/-0.000 χ^2/NDF: 6869770.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4005490.3/19

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

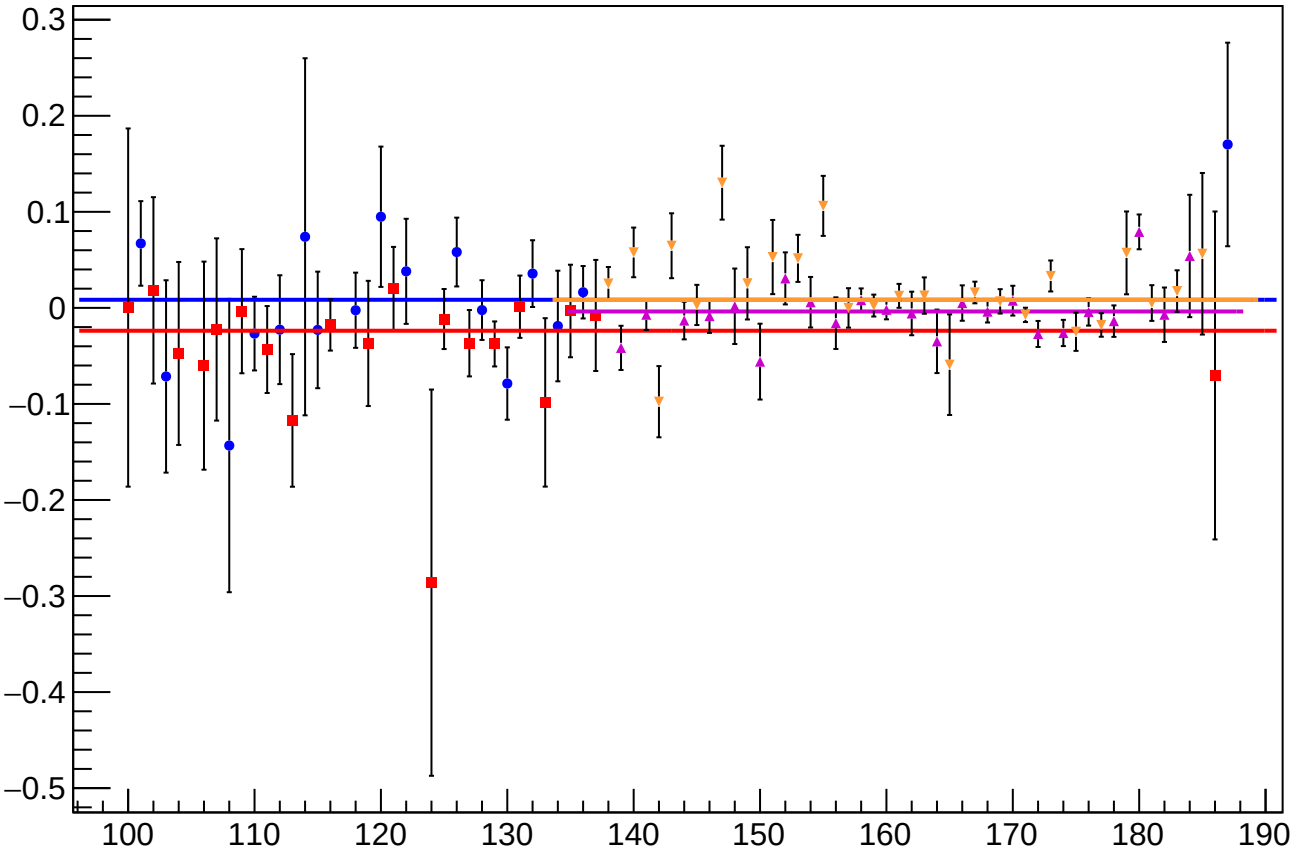
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 11836256.0/36

In: 0.000+/-0.000 χ^2/NDF:18383779.2/39

Out: 0.000+/-0.000 χ^2/NDF:22365519.3/44

All: 0.000+/-0.000 χ^2/NDF: 40780049.3/84



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/19

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

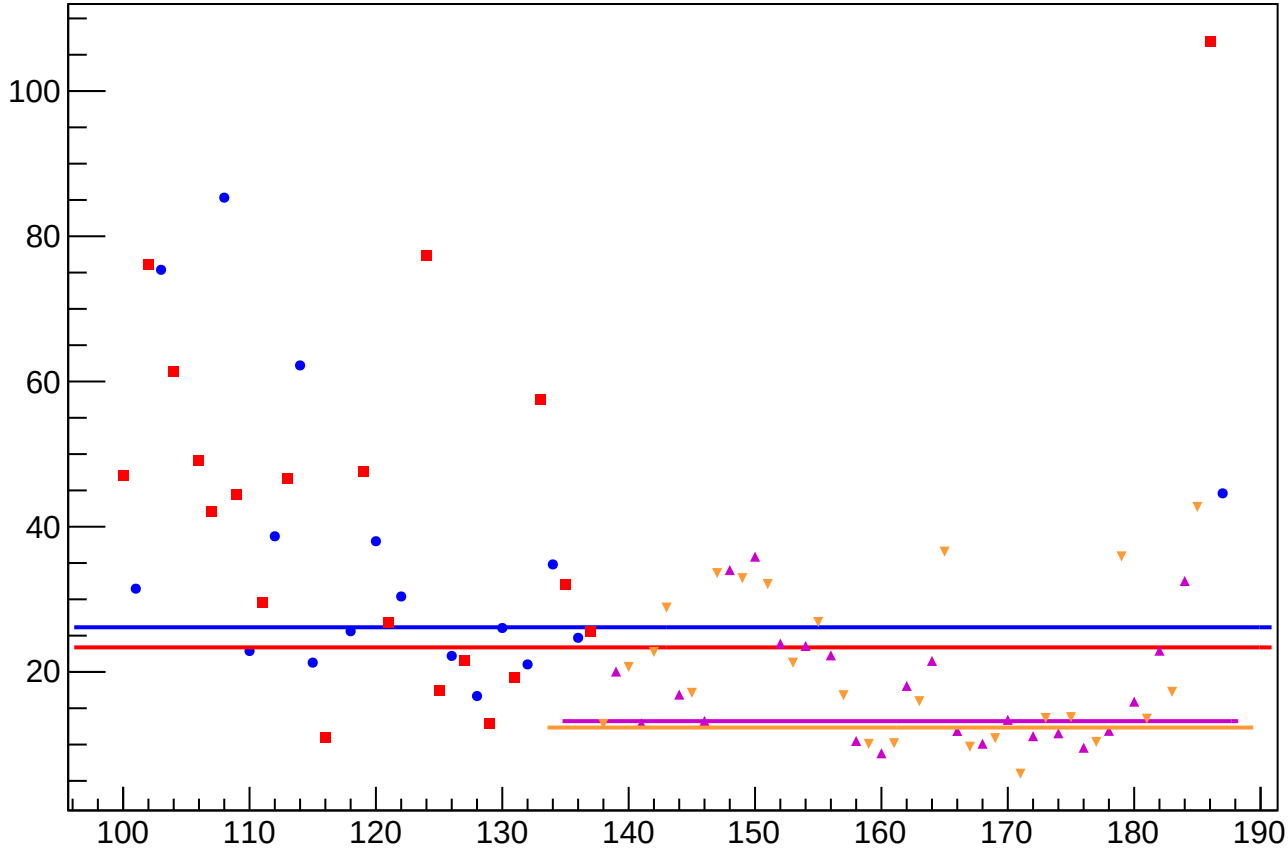
Right: -0.009+/-0.008 χ^2/NDF: 29.4/36

In: -0.003+/-0.003 χ^2/NDF:55.7/39

Out: 0.005+/-0.003 χ^2/NDF:74.8/44

All: 0.001+/-0.002 χ^2/NDF: 133.0/84

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.152+/-0.008 χ^2/NDF: 1442832.6/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 23.381+/-0.007 χ^2/NDF: 3840212.0/19

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

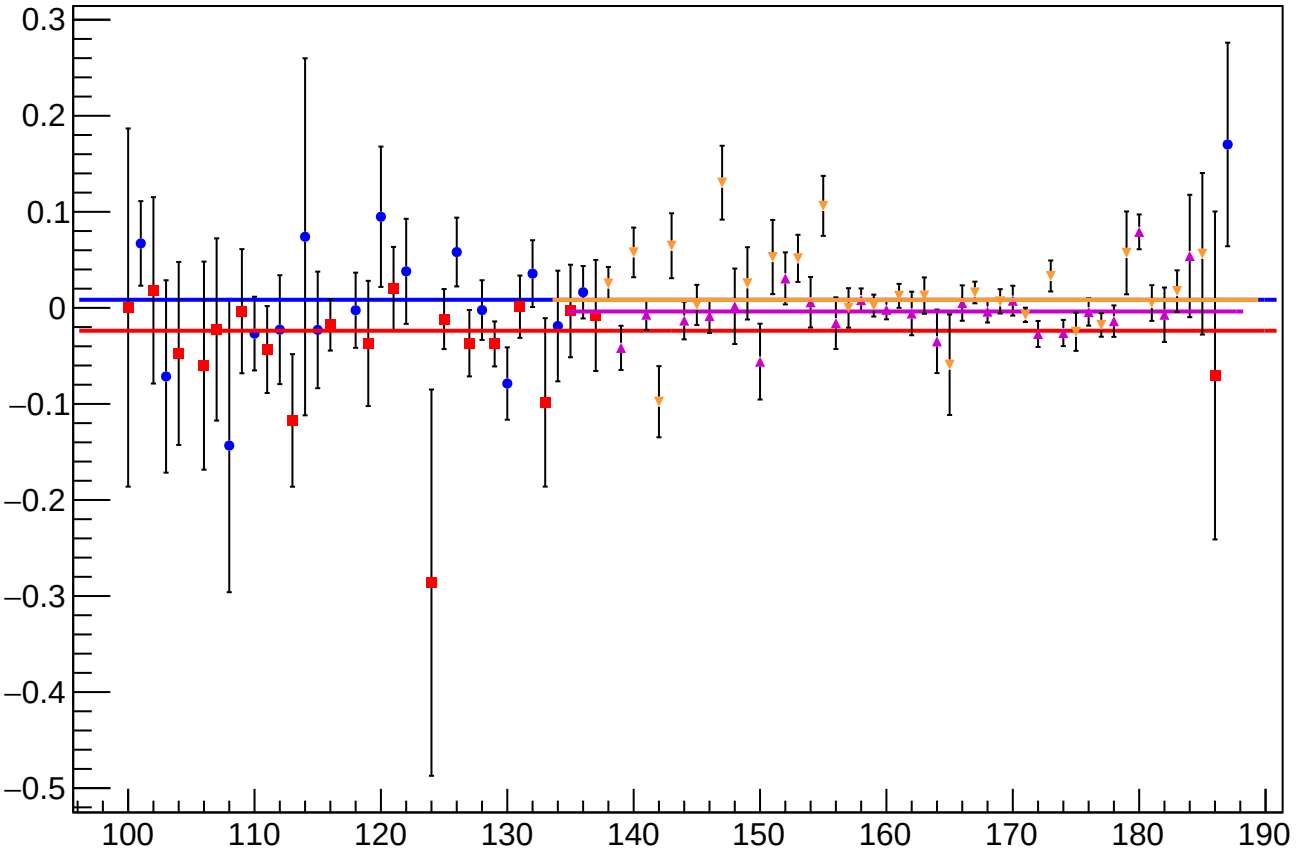
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 24.695+/-0.005 χ^2/NDF: 5349288.1/36

In: 14.489+/-0.002 χ^2/NDF:7787627.3/39

Out: 13.424+/-0.002 χ^2/NDF:12584748.7/44

All: 13.929+/-0.002 χ^2/NDF: 20472333.1/84



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/19

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

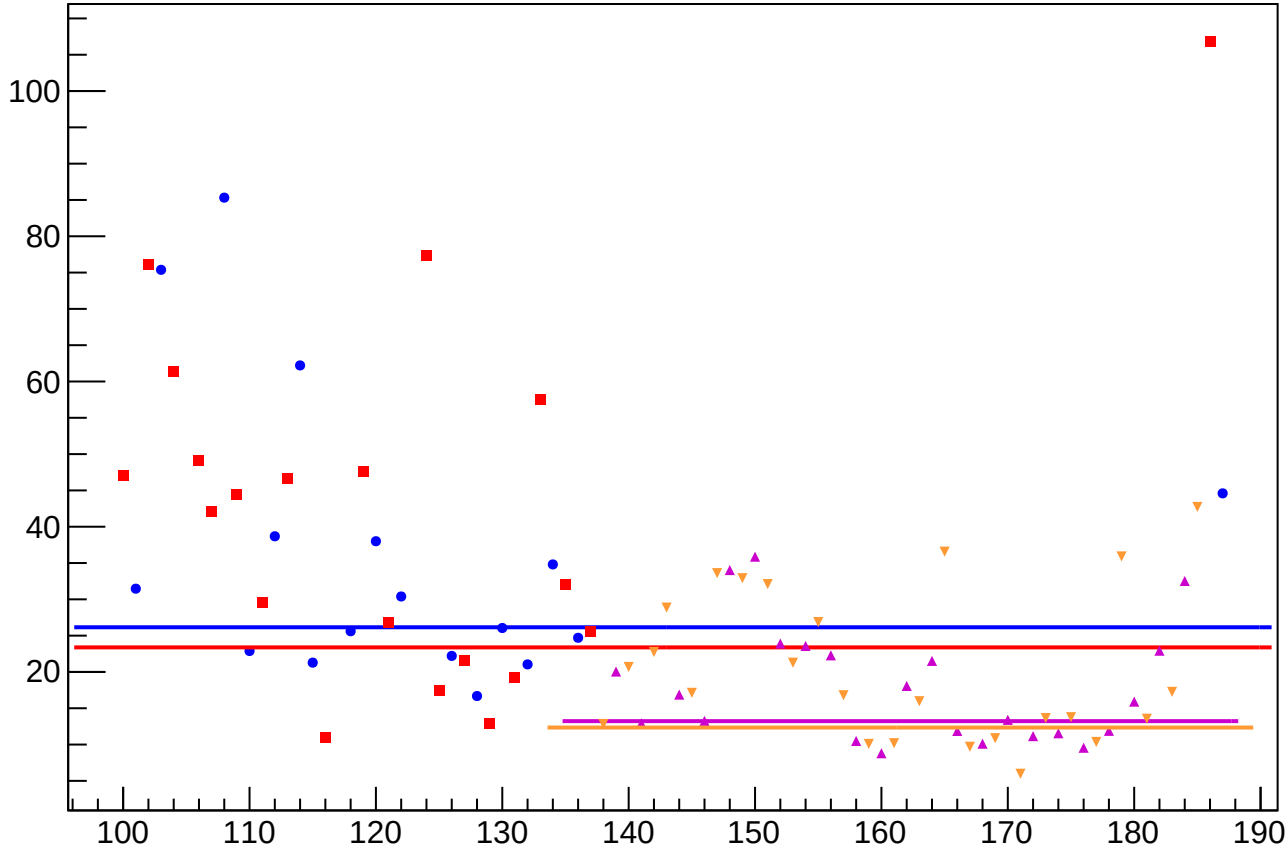
Right: -0.009+/-0.008 χ^2/NDF: 29.4/36

In: -0.003+/-0.003 χ^2/NDF:55.7/39

Out: 0.005+/-0.003 χ^2/NDF:74.8/44

All: 0.001+/-0.002 χ^2/NDF: 133.0/84

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.152+/-0.008 χ^2/NDF: 1442832.6/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 23.381+/-0.007 χ^2/NDF: 3840212.0/19

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

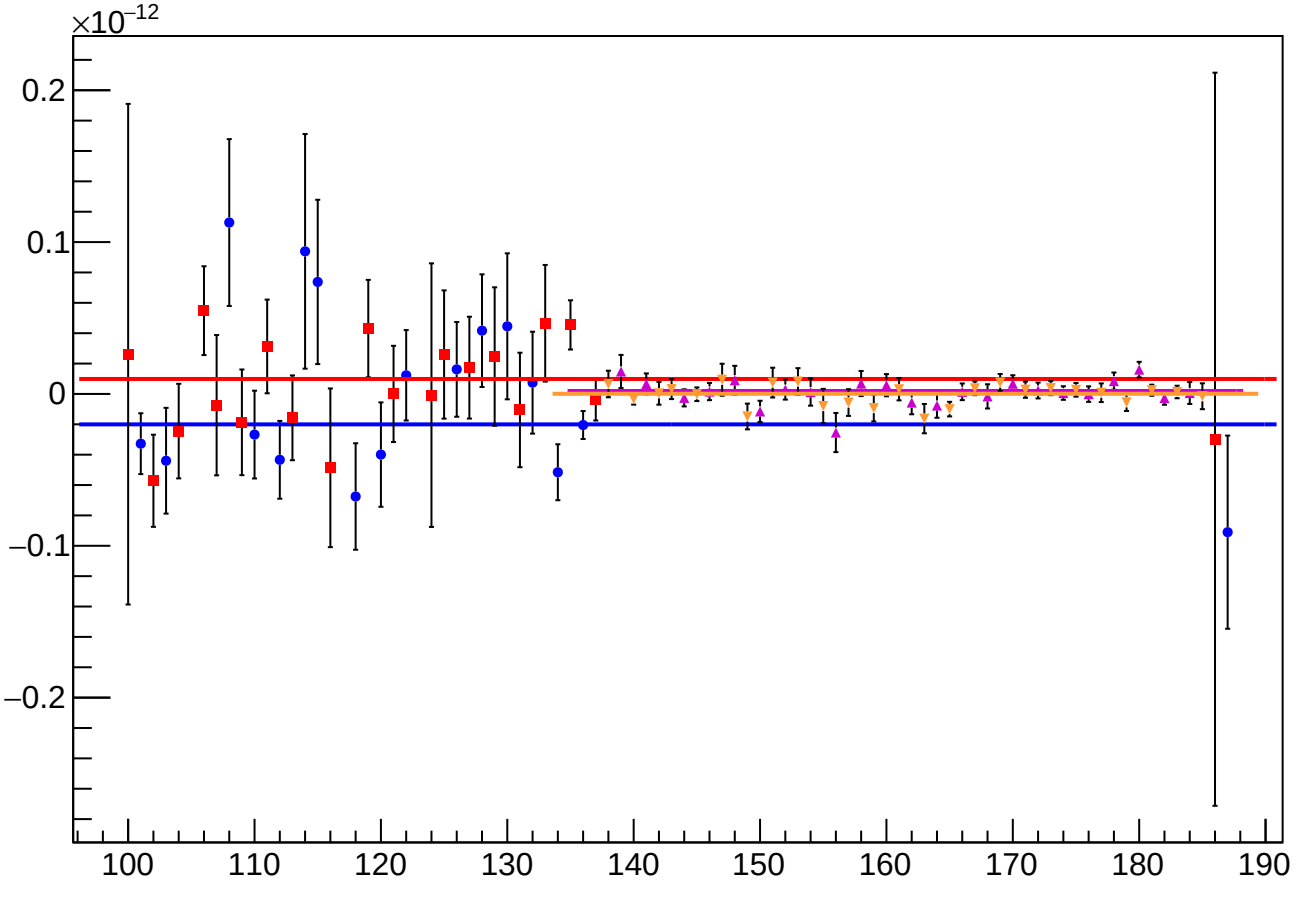
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 24.695+/-0.005 χ^2/NDF: 5349288.1/36

In: 14.489+/-0.002 χ^2/NDF:7787627.3/39

Out: 13.424+/-0.002 χ^2/NDF:12584748.7/44

All: 13.929+/-0.002 χ^2/NDF: 20472333.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/19

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

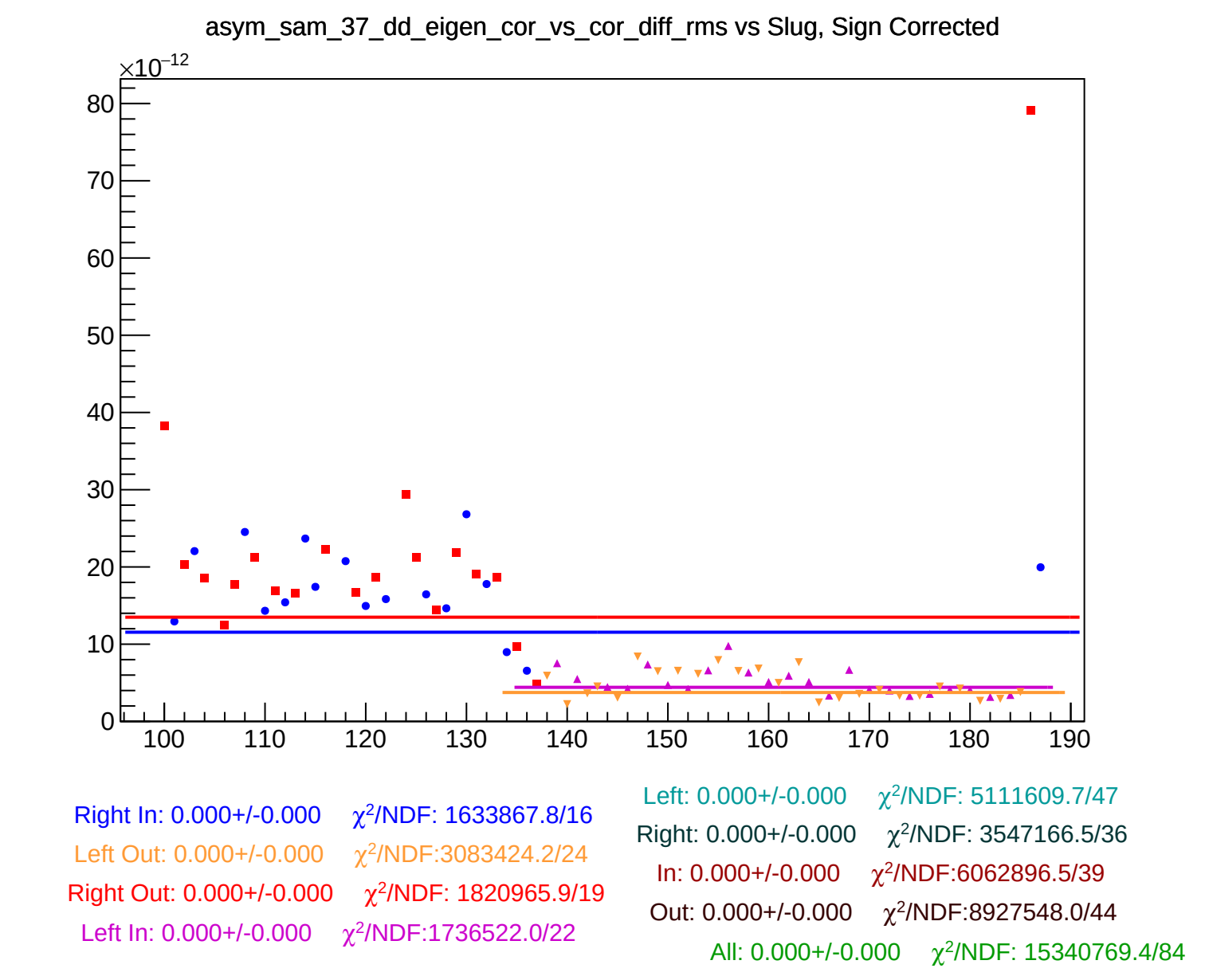
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

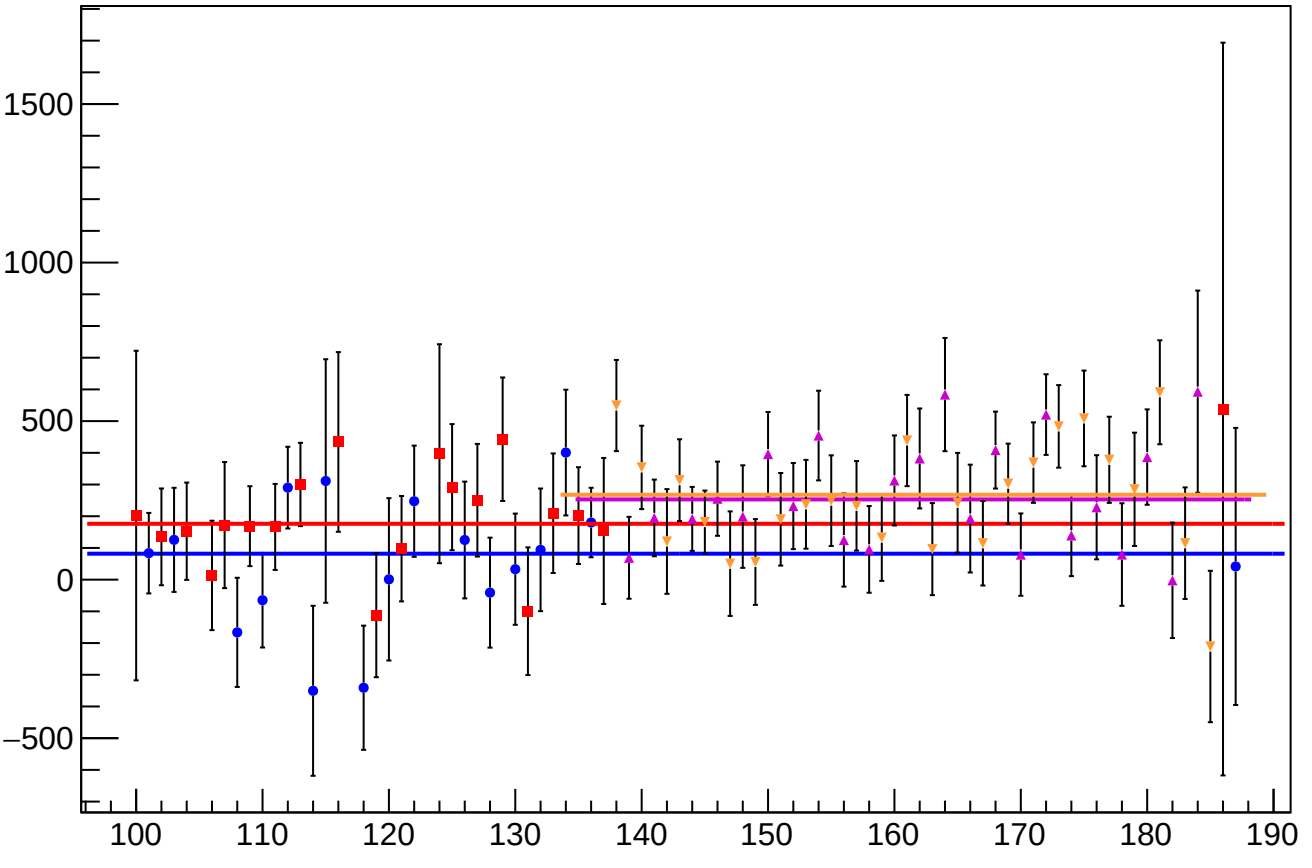
Right: -0.000+/-0.000 χ^2/NDF: 58.2/36

In: 0.000+/-0.000 χ^2/NDF:65.1/39

Out: 0.000+/-0.000 χ^2/NDF:43.9/44

All: 0.000+/-0.000 χ^2/NDF: 109.1/84


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1633867.8/16
Left Out: 0.000+/-0.000 χ²/NDF:3083424.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 1820965.9/19
Left In: 0.000+/-0.000 χ²/NDF:1736522.0/22
Left: 0.000+/-0.000 χ²/NDF: 5111609.7/47
Right: 0.000+/-0.000 χ²/NDF: 3547166.5/36
In: 0.000+/-0.000 χ²/NDF:6062896.5/39
Out: 0.000+/-0.000 χ²/NDF:8927548.0/44
All: 0.000+/-0.000 χ²/NDF: 15340769.4/84



Right In: 81.823+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 176.180+/-40.647 χ^2/NDF: 10.0/19

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

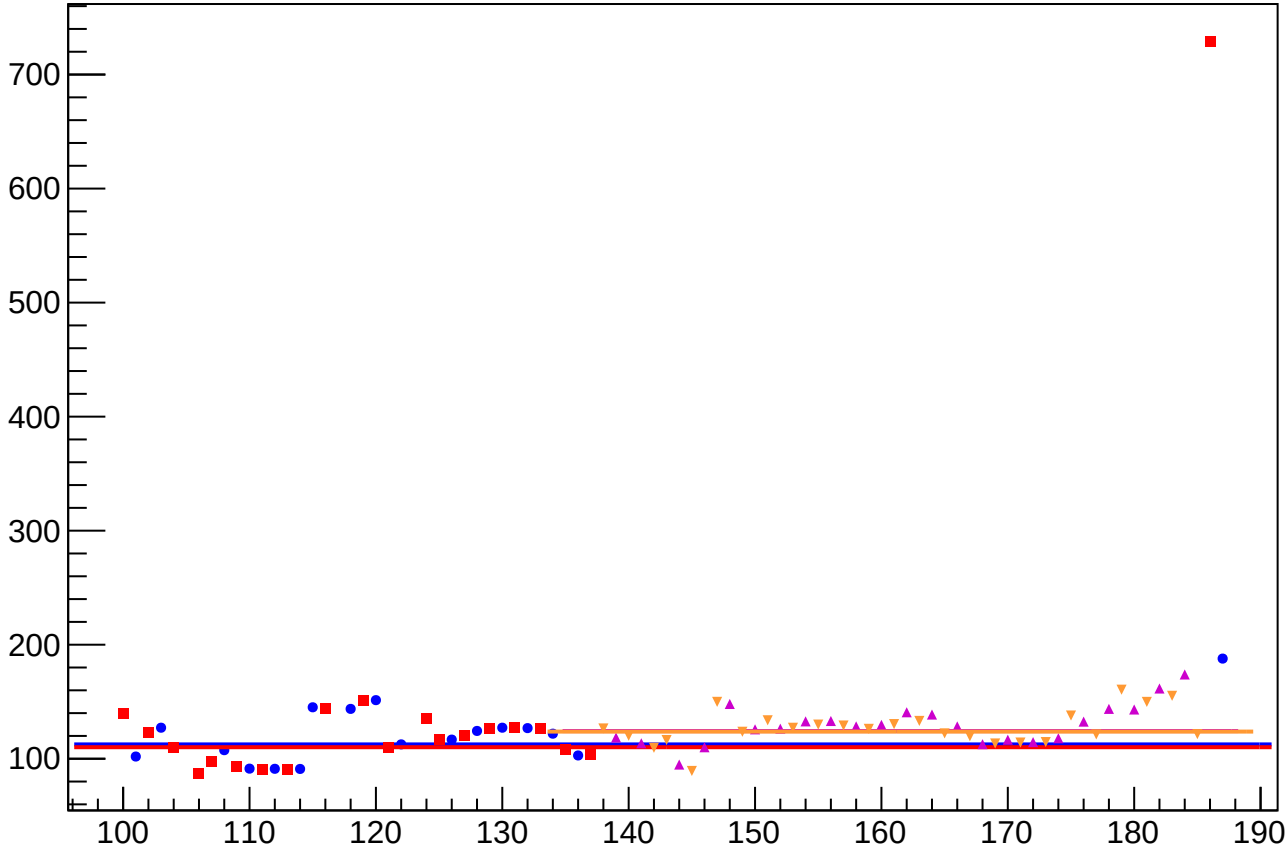
Right: 130.476+/-29.188 χ^2/NDF: 31.0/36

In: 196.852+/-24.026 χ^2/NDF:55.8/39

Out: 237.723+/-23.285 χ^2/NDF:44.4/44

All: 217.928+/-16.721 χ^2/NDF: 101.6/84

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 112.562+/-0.030 χ^2/NDF: 365900.2/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 110.107+/-0.029 χ^2/NDF: 941476.7/19

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

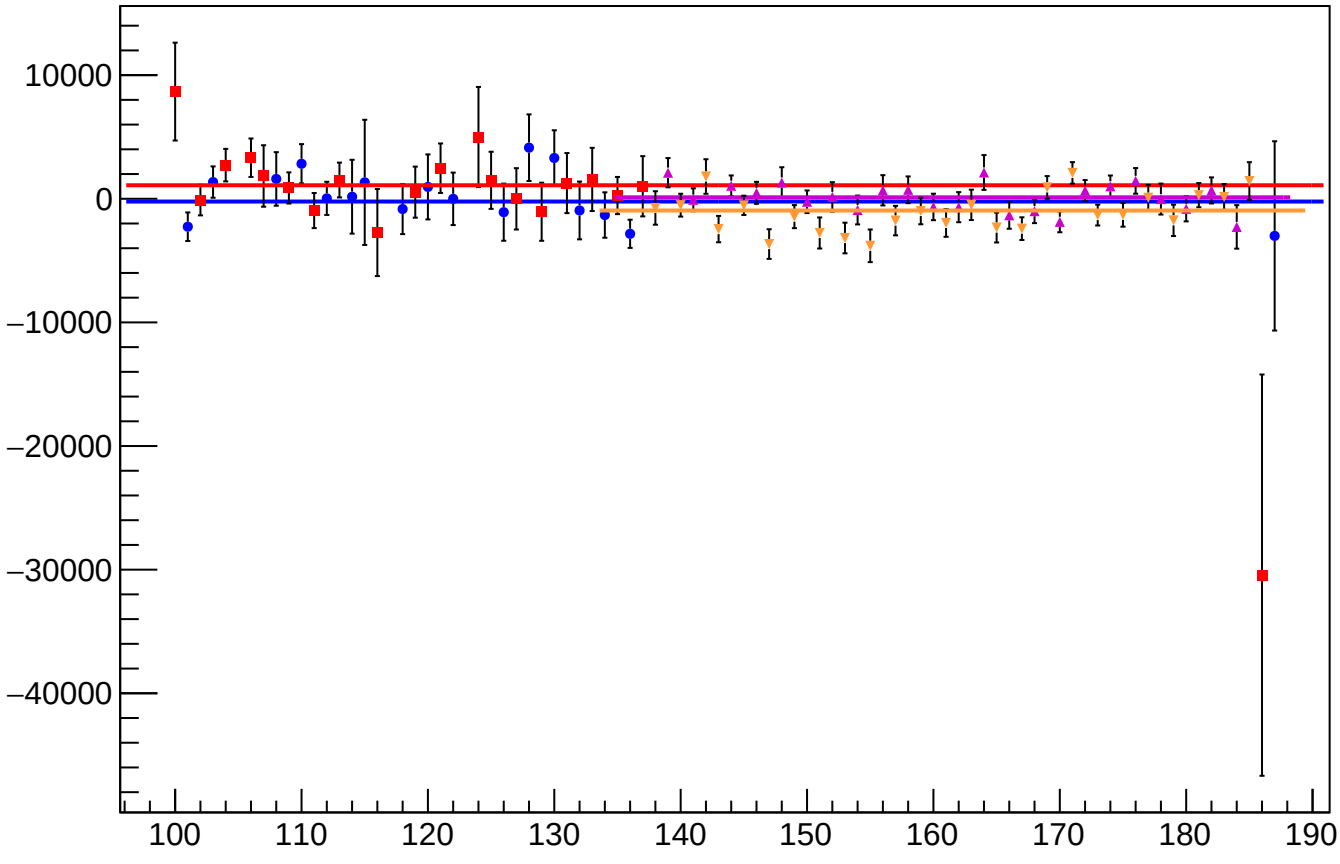
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 111.296+/-0.021 χ^2/NDF: 1310910.1/36

In: 120.420+/-0.017 χ^2/NDF:1027635.9/39

Out: 119.312+/-0.016 χ^2/NDF:1692573.8/44

All: 119.848+/-0.012 χ^2/NDF: 2722404.2/84



Right In: -223.534+/-443.217 χ^2/NDF: 20.6/16

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1093.273+/-422.895 χ^2/NDF: 18.3/19

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

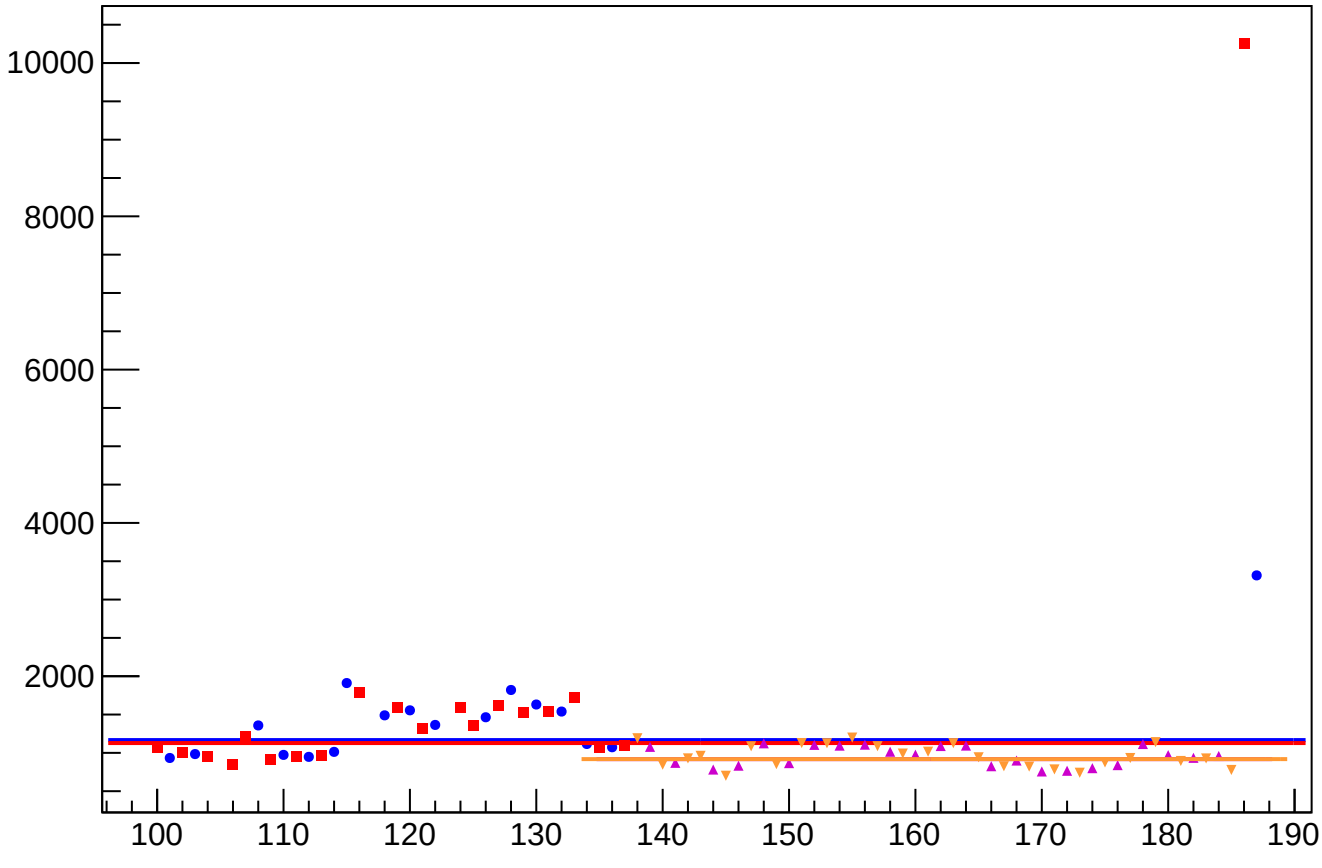
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 465.749+/-305.964 χ^2/NDF: 43.5/36

In: 52.229+/-195.014 χ^2/NDF:45.4/39

Out: -538.453+/-189.372 χ^2/NDF:87.2/44

All: -251.781+/-135.857 χ^2/NDF: 137.4/84



Right In: 1166.792+/-0.313 χ^2/NDF: 841737.4/16

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1127.952+/-0.299 χ^2/NDF: 1415091.9/19

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

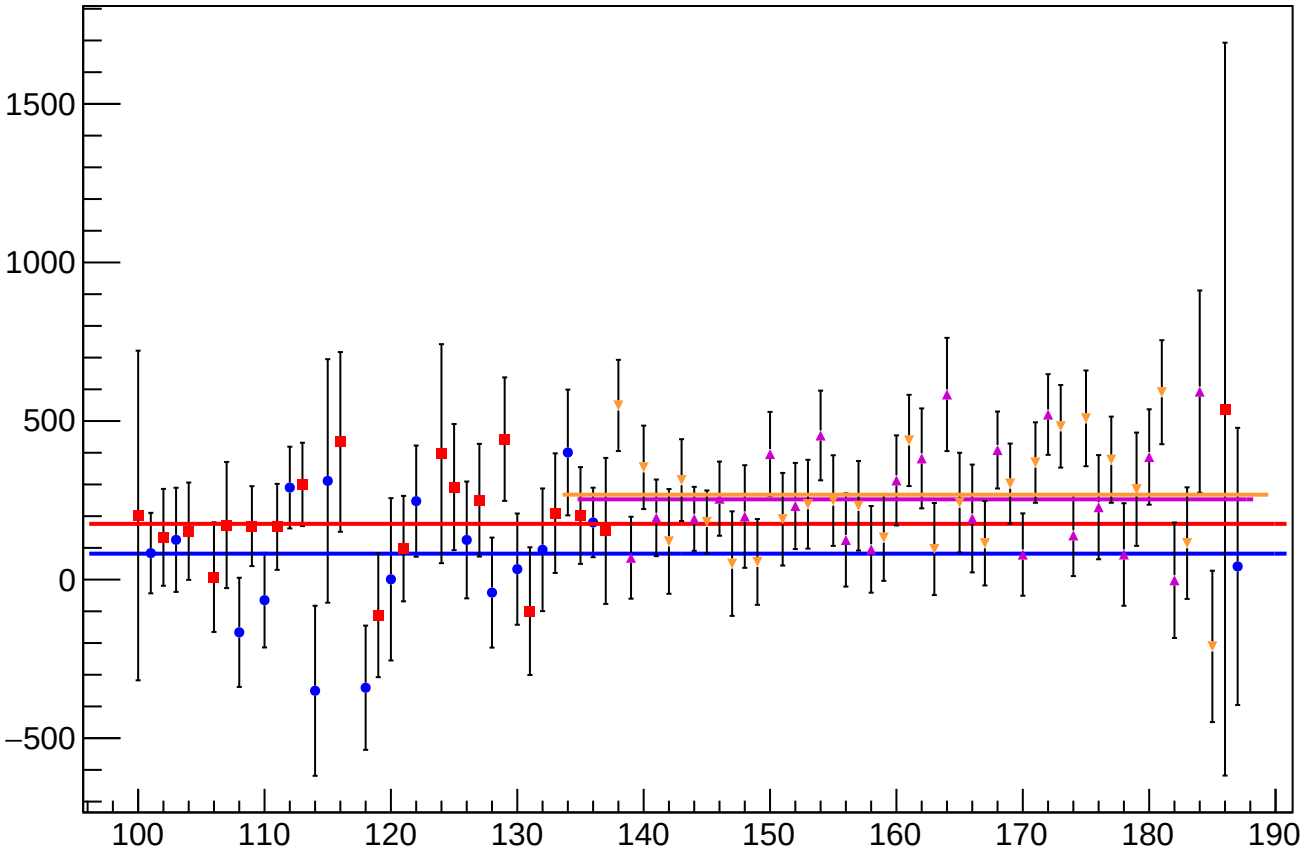
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1146.461+/-0.216 χ^2/NDF: 2264868.5/36

In: 966.338+/-0.138 χ^2/NDF:2015307.8/39

Out: 960.501+/-0.134 χ^2/NDF:2695136.0/44

All: 963.334+/-0.096 χ^2/NDF: 4711365.9/84



Right In: 81.811+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 175.787+/-40.653 χ^2/NDF: 10.0/19

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

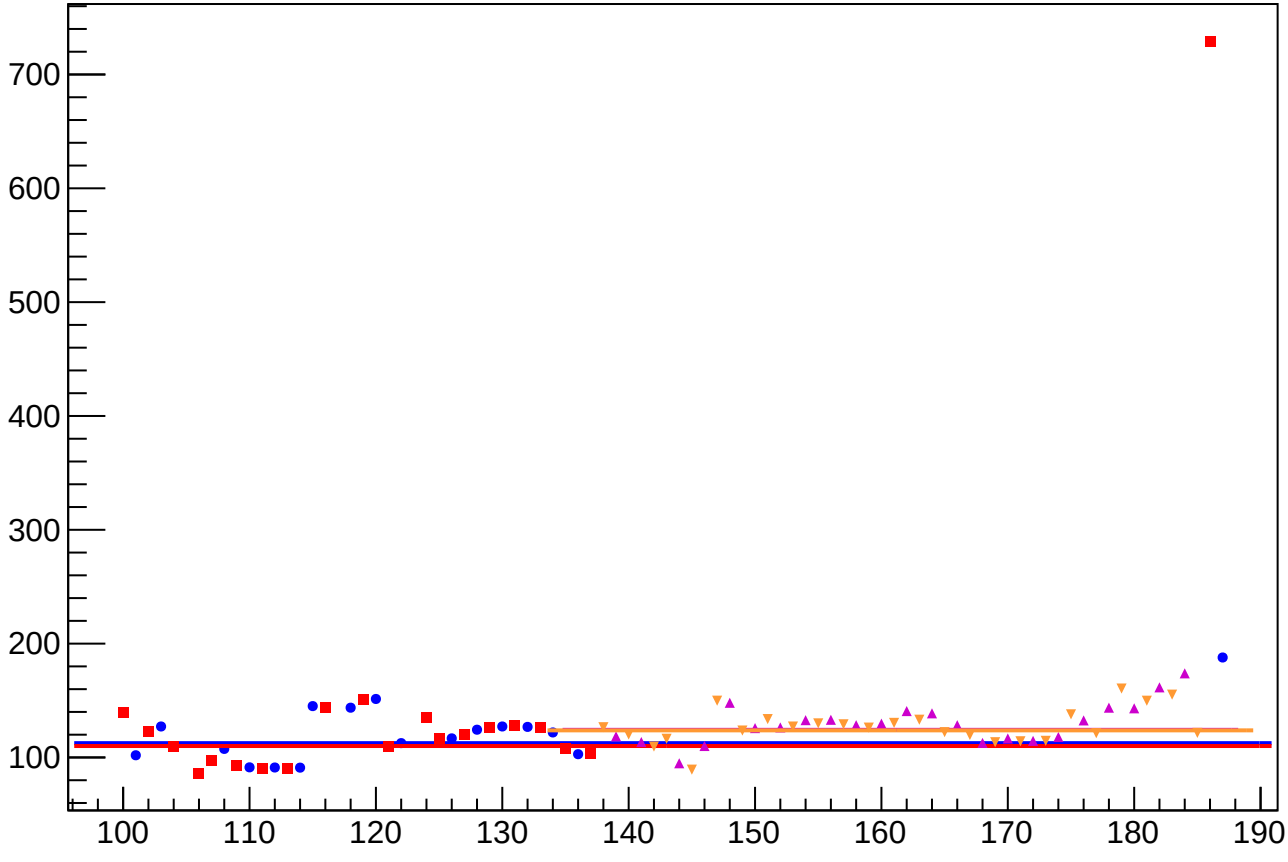
Right: 130.261+/-29.190 χ^2/NDF: 31.0/36

In: 196.851+/-24.026 χ^2/NDF:55.8/39

Out: 237.605+/-23.286 χ^2/NDF:44.5/44

All: 217.866+/-16.721 χ^2/NDF: 101.7/84

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 112.562+/-0.030 χ^2/NDF: 365901.3/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 110.051+/-0.029 χ^2/NDF: 945072.2/19

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

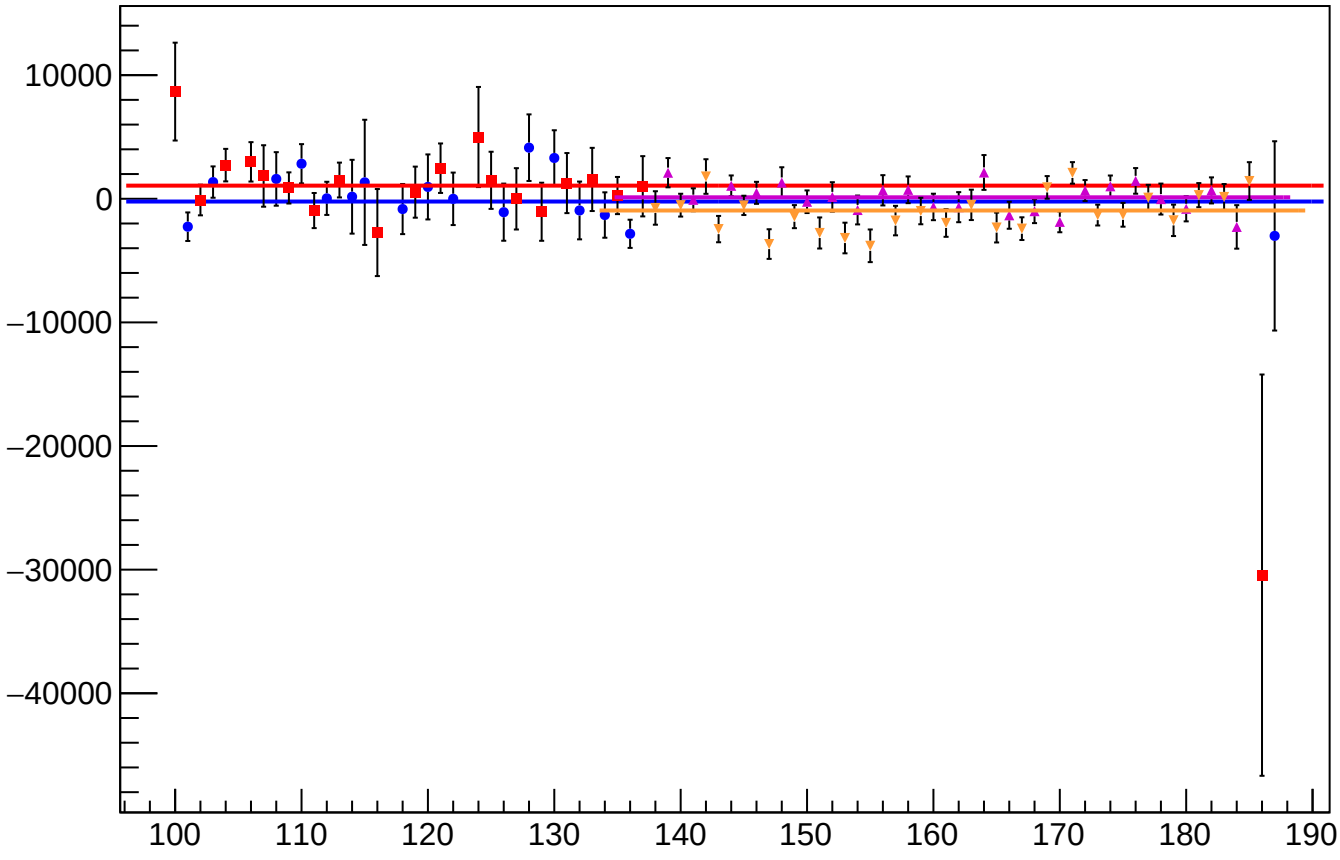
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 111.267+/-0.021 χ^2/NDF: 1314668.9/36

In: 120.420+/-0.017 χ^2/NDF:1027636.5/39

Out: 119.294+/-0.016 χ^2/NDF:1697388.4/44

All: 119.839+/-0.012 χ^2/NDF: 2727289.3/84



Right In: -223.625+/-443.221 χ^2/NDF: 20.6/16

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1062.462+/-423.630 χ^2/NDF: 17.7/19

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

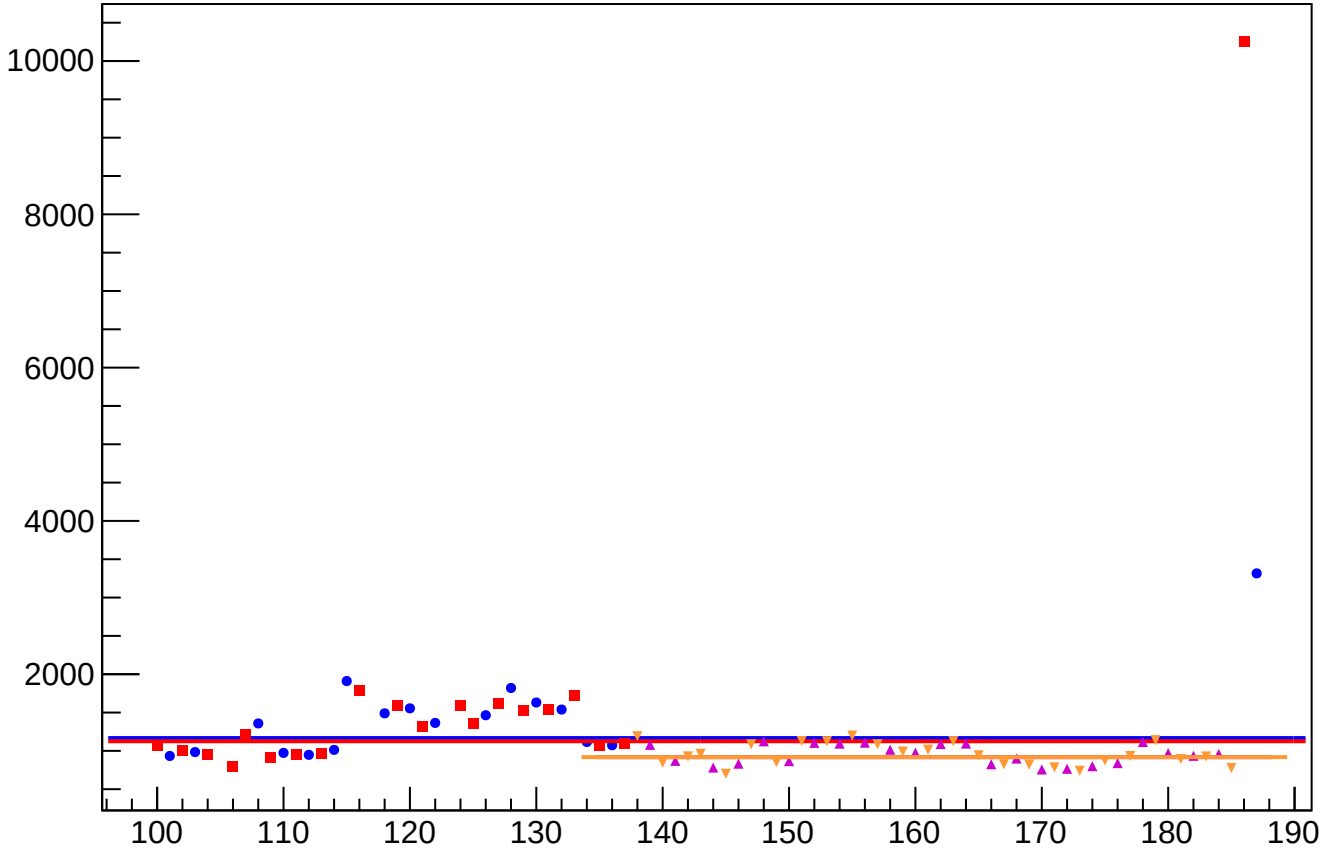
Right: 448.469+/-306.243 χ^2/NDF: 42.6/36

In: 52.214+/-195.015 χ^2/NDF:45.4/39

Out: -545.740+/-189.438 χ^2/NDF:85.9/44

All: -255.435+/-135.882 χ^2/NDF: 136.2/84

asym_sam_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1166.801+/-0.313 χ^2/NDF: 841704.6/16

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1125.379+/-0.300 χ^2/NDF: 1436331.6/19

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

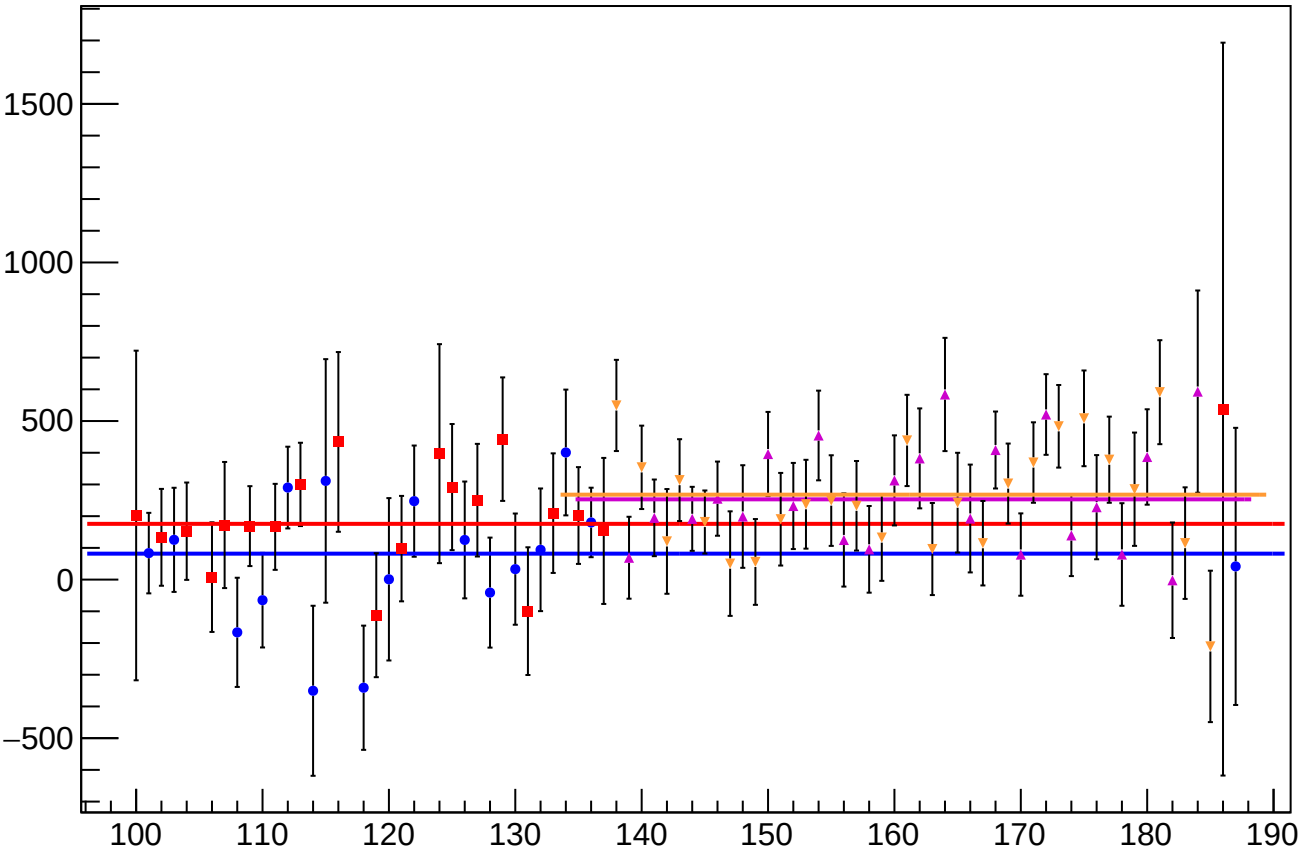
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1145.155+/-0.217 χ^2/NDF: 2287164.9/36

In: 966.340+/-0.138 χ^2/NDF:2015309.3/39

Out: 959.870+/-0.134 χ^2/NDF:2705737.4/44

All: 963.011+/-0.096 χ^2/NDF: 4722179.1/84



Right In: 81.811+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 175.787+/-40.653 χ^2/NDF: 10.0/19

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

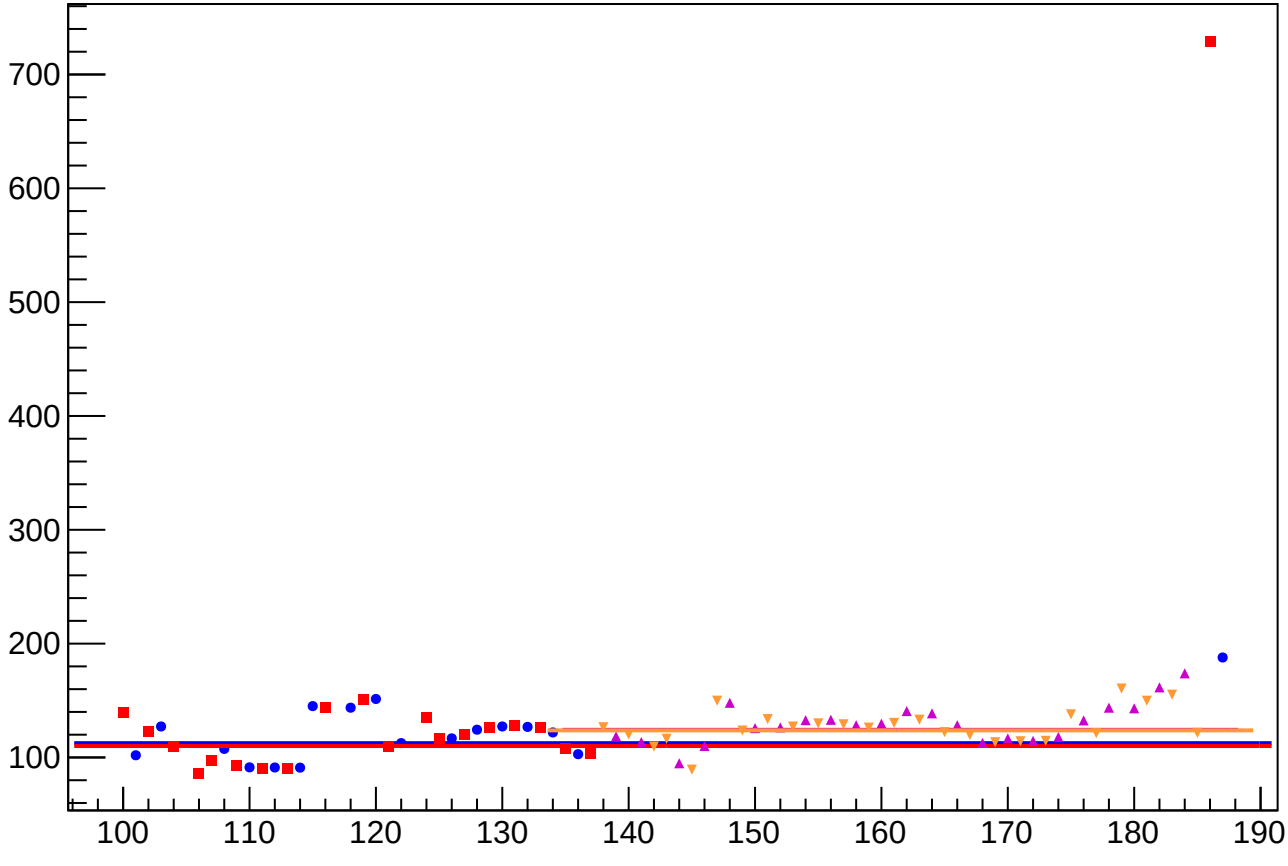
Right: 130.261+/-29.190 χ^2/NDF: 31.0/36

In: 196.851+/-24.026 χ^2/NDF:55.8/39

Out: 237.605+/-23.286 χ^2/NDF:44.5/44

All: 217.866+/-16.721 χ^2/NDF: 101.7/84

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 112.562+/-0.030 χ^2/NDF: 365901.3/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 110.051+/-0.029 χ^2/NDF: 945072.2/19

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

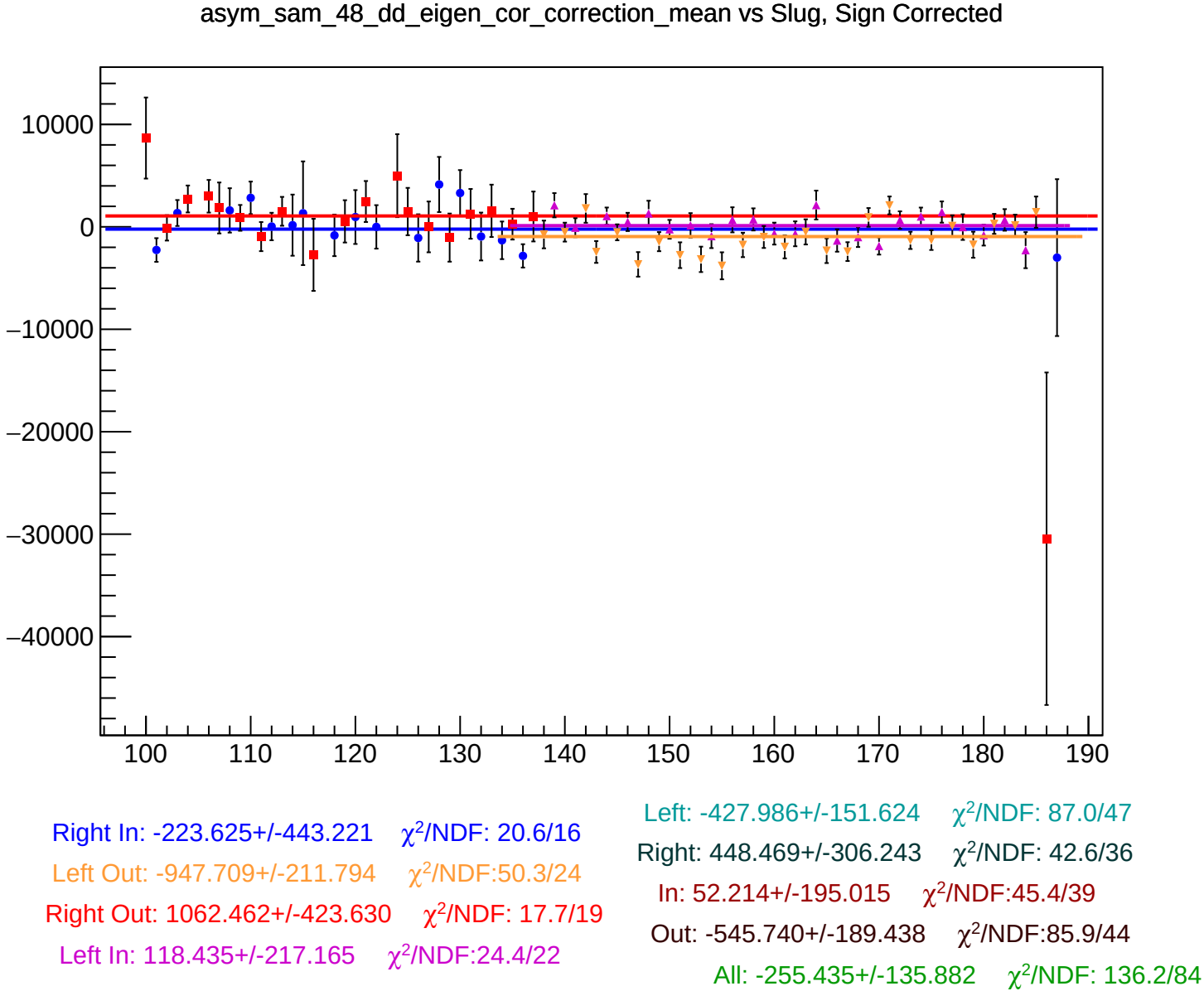
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

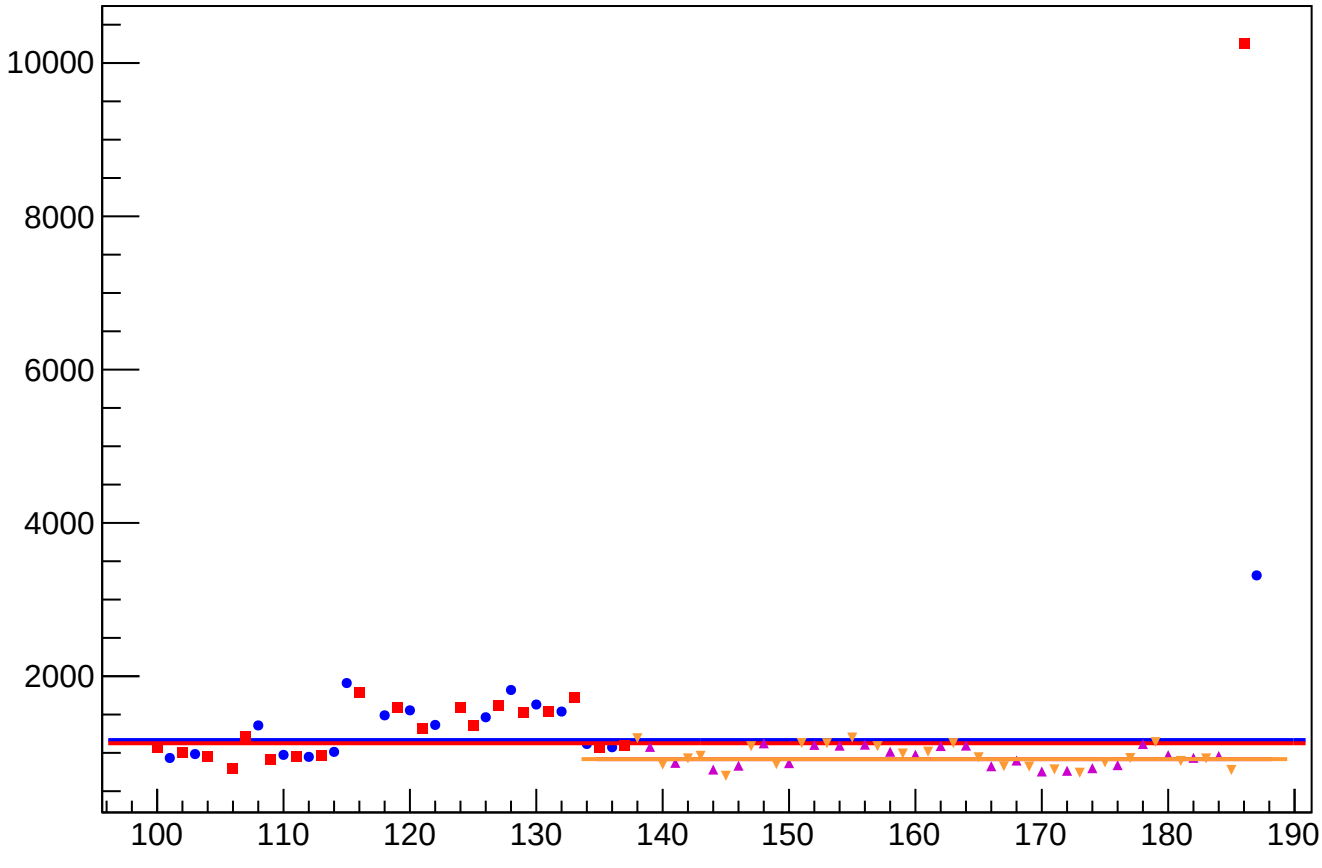
Right: 111.267+/-0.021 χ^2/NDF: 1314668.9/36

In: 120.420+/-0.017 χ^2/NDF:1027636.5/39

Out: 119.294+/-0.016 χ^2/NDF:1697388.4/44

All: 119.839+/-0.012 χ^2/NDF: 2727289.3/84


asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -223.625+/-443.221 χ²/NDF: 20.6/16
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1062.462+/-423.630 χ²/NDF: 17.7/19
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 448.469+/-306.243 χ²/NDF: 42.6/36
In: 52.214+/-195.015 χ²/NDF:45.4/39
Out: -545.740+/-189.438 χ²/NDF:85.9/44
All: -255.435+/-135.882 χ²/NDF: 136.2/84



Right In: 1166.801+/-0.313 χ^2/NDF: 841704.6/16

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1125.379+/-0.300 χ^2/NDF: 1436331.6/19

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

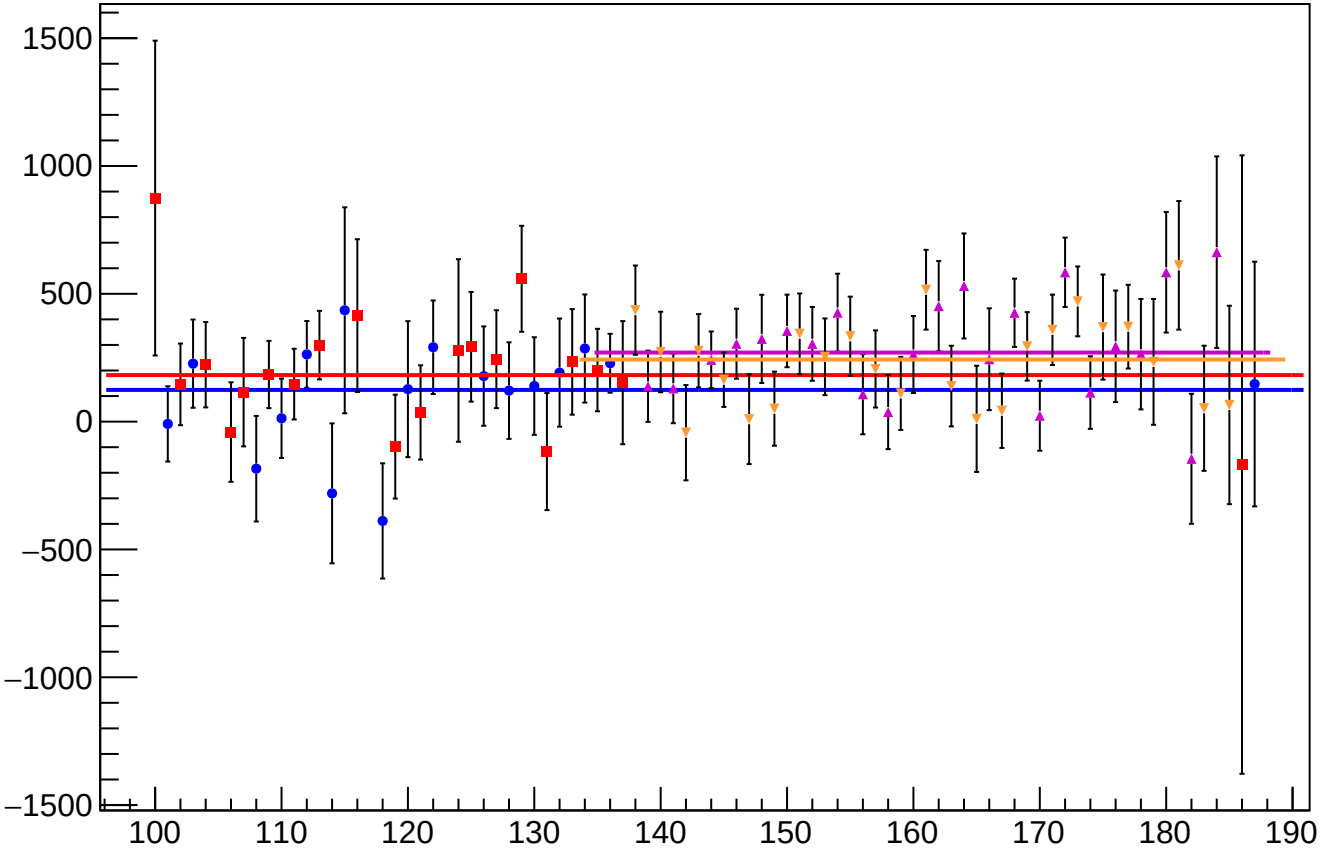
Right: 1145.155+/-0.217 χ^2/NDF: 2287164.9/36

In: 966.340+/-0.138 χ^2/NDF:2015309.3/39

Out: 959.870+/-0.134 χ^2/NDF:2705737.4/44

All: 963.011+/-0.096 χ^2/NDF: 4722179.1/84

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 124.098+/-45.037 χ^2/NDF: 15.4/16

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 182.020+/-43.197 χ^2/NDF: 12.4/19

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

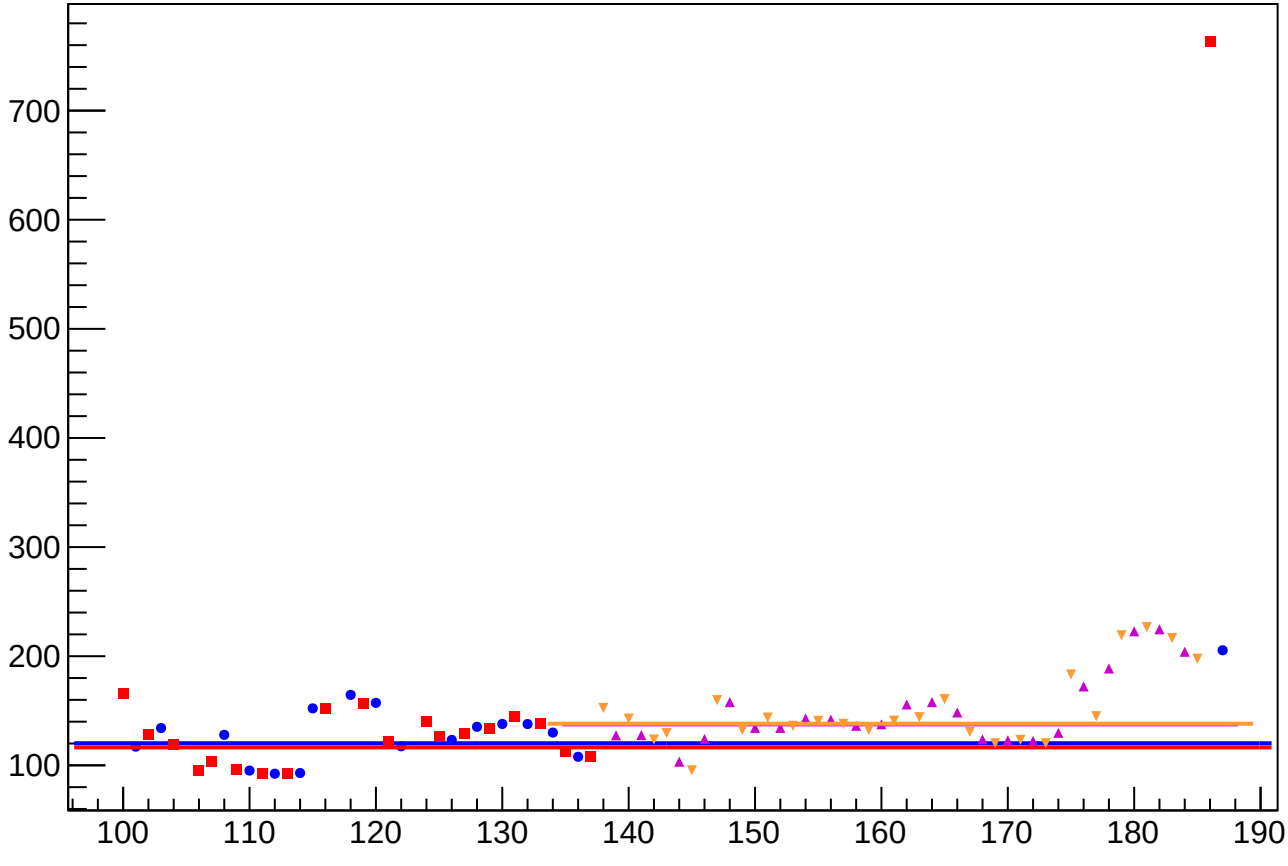
Right: 154.267+/-31.175 χ^2/NDF: 28.7/36

In: 219.405+/-26.563 χ^2/NDF:49.0/39

Out: 221.201+/-25.785 χ^2/NDF:37.3/44

All: 220.330+/-18.502 χ^2/NDF: 86.3/84

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 120.256+/-0.032 χ^2/NDF: 444170.4/16

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 116.448+/-0.031 χ^2/NDF: 999518.5/19

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

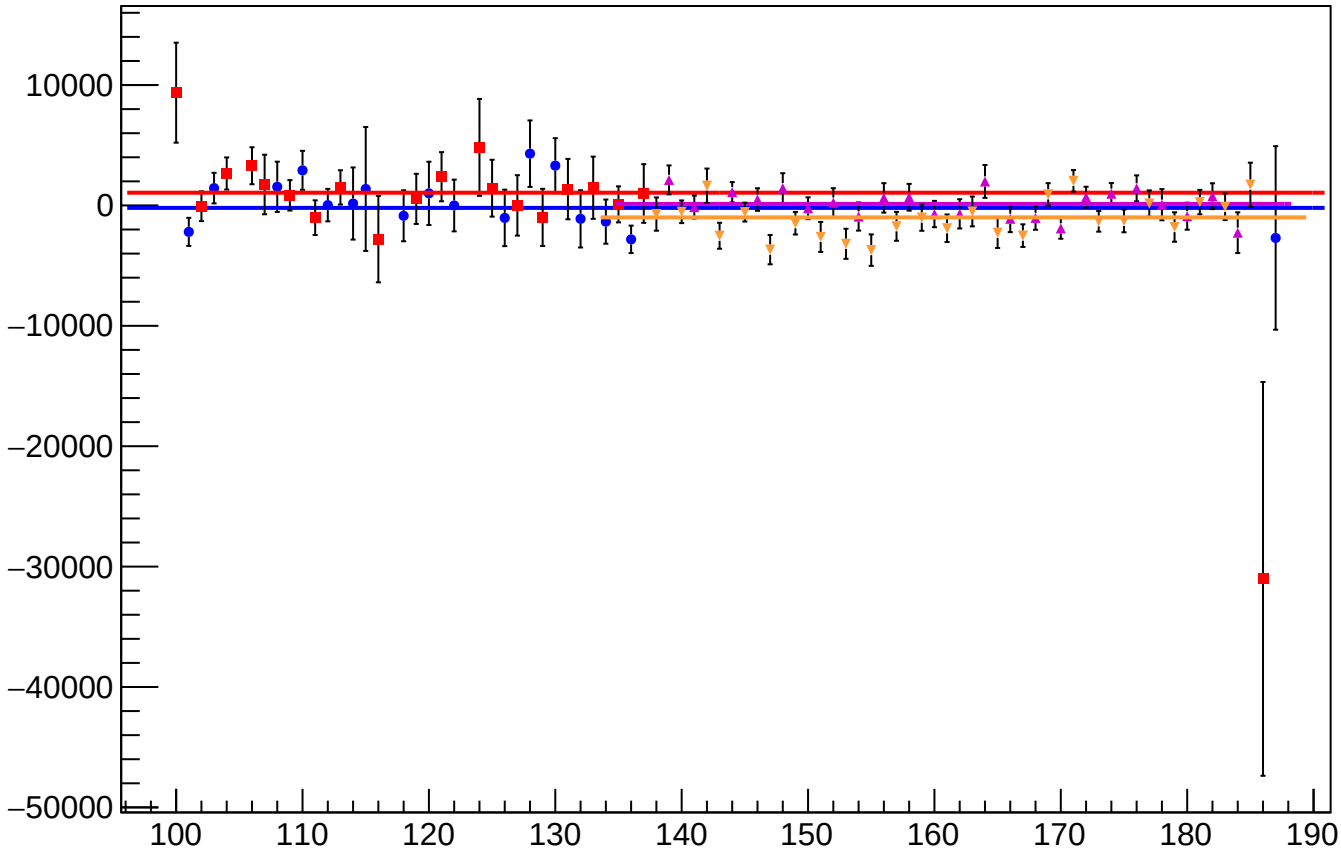
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 118.272+/-0.022 χ^2/NDF: 1451135.9/36

In: 131.496+/-0.019 χ^2/NDF:1744524.6/39

Out: 130.403+/-0.018 χ^2/NDF:2662100.0/44

All: 130.933+/-0.013 χ^2/NDF: 4408368.1/84



Right In: -203.681+/-446.565 χ^2/NDF: 20.5/16

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1057.638+/-425.806 χ^2/NDF: 18.4/19

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

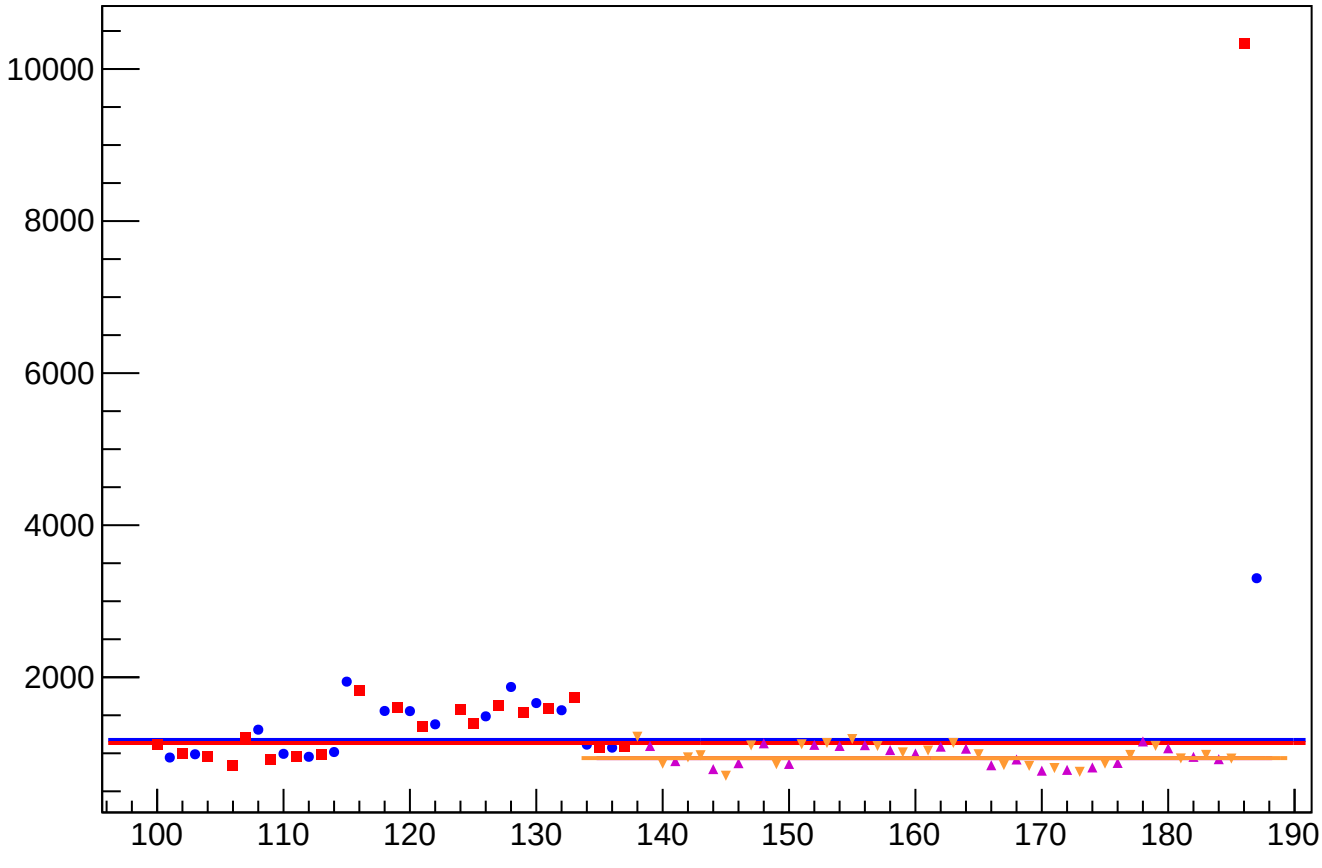
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 456.977+/-308.168 χ^2/NDF: 43.1/36

In: 60.051+/-198.336 χ^2/NDF:44.8/39

Out: -574.577+/-192.386 χ^2/NDF:83.8/44

All: -266.925+/-138.093 χ^2/NDF: 133.9/84



Right In: 1175.389+/-0.316 χ^2/NDF: 865670.3/16

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1135.555+/-0.301 χ^2/NDF: 1440317.7/19

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

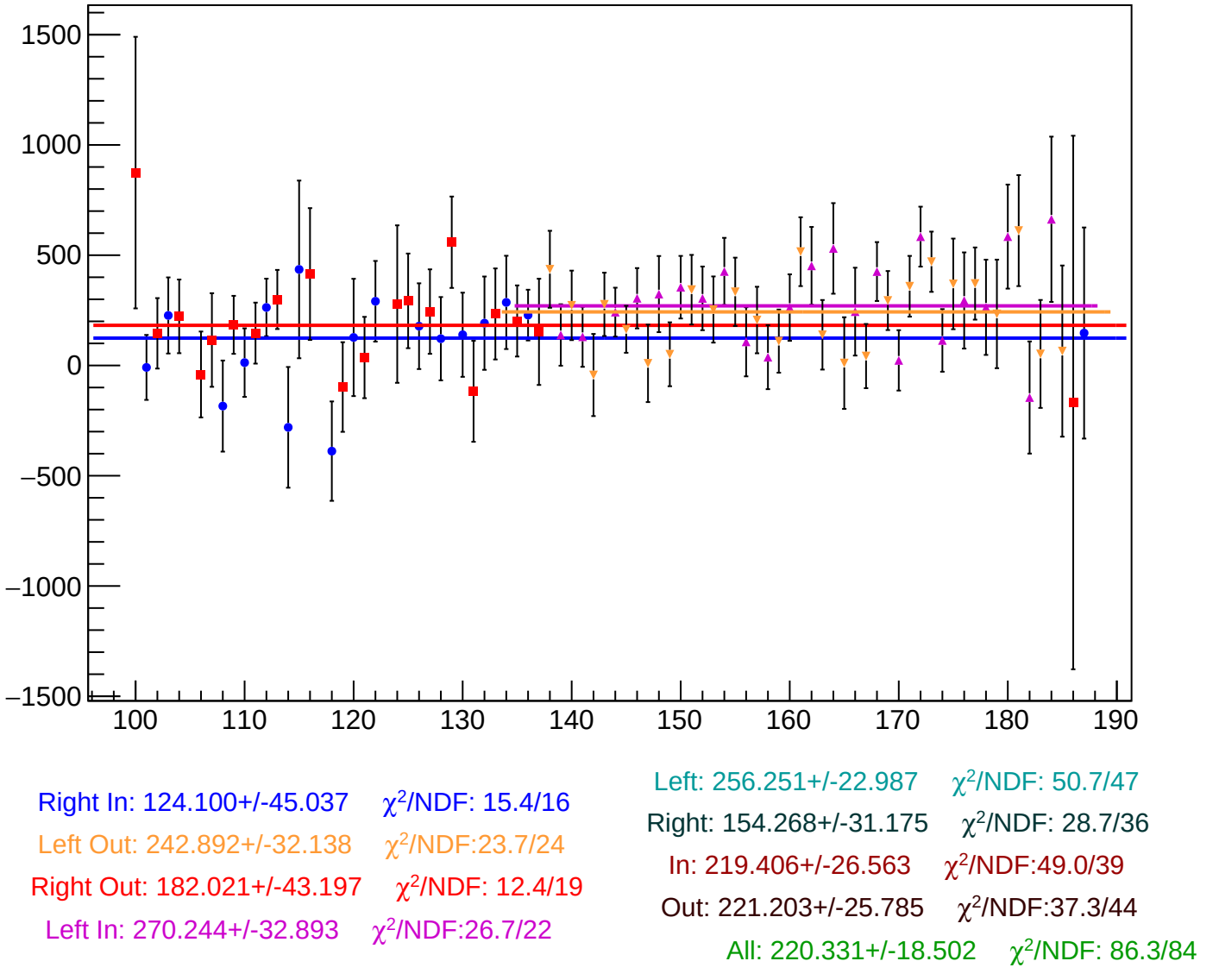
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1154.525+/-0.218 χ^2/NDF: 2314322.9/36

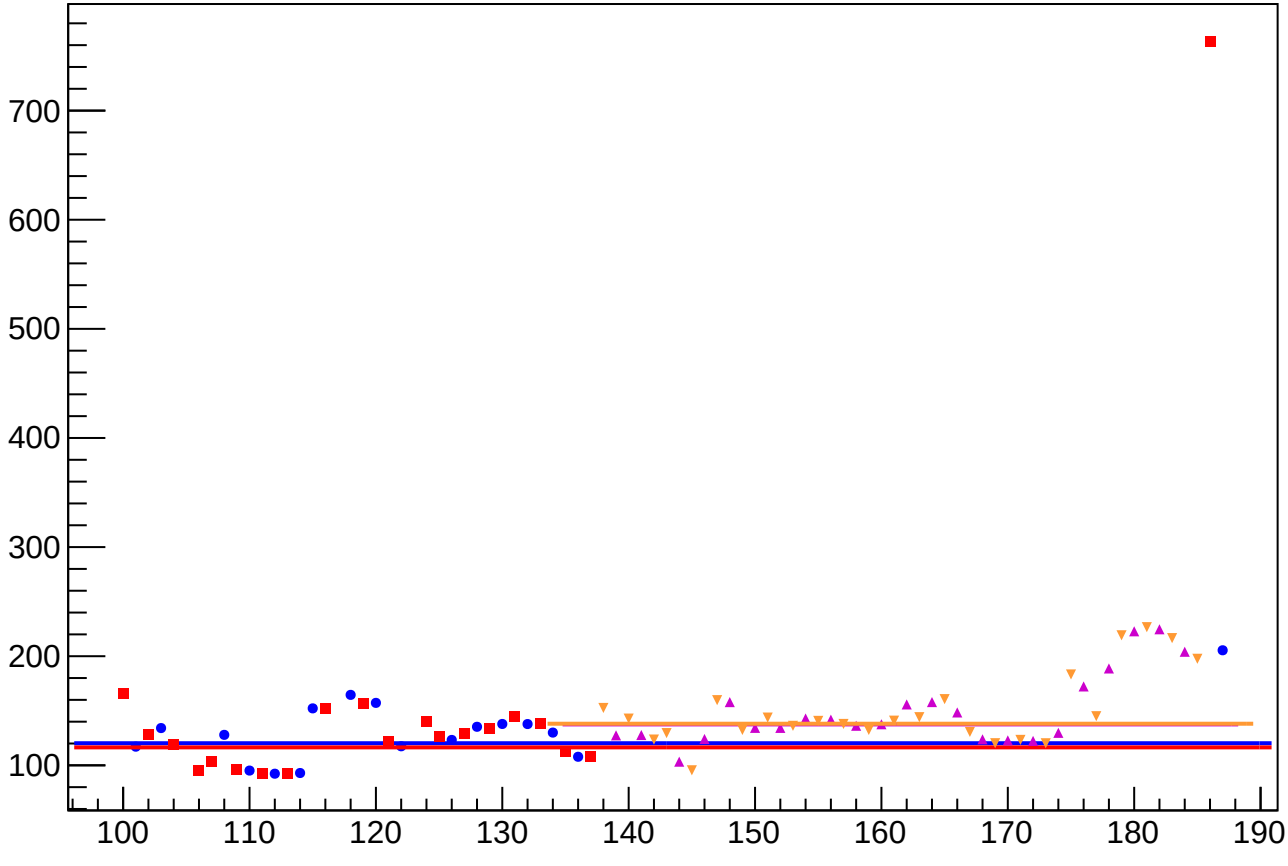
In: 983.526+/-0.140 χ^2/NDF:1968318.6/39

Out: 977.328+/-0.136 χ^2/NDF:2619767.2/44

All: 980.333+/-0.098 χ^2/NDF: 4589092.1/84


eigen_dit_asym_sam_48_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: 124.100+/-45.037 χ²/NDF: 15.4/16
Left Out: 242.892+/-32.138 χ²/NDF:23.7/24
Right Out: 182.021+/-43.197 χ²/NDF: 12.4/19
Left In: 270.244+/-32.893 χ²/NDF:26.7/22
Left: 256.251+/-22.987 χ²/NDF: 50.7/47
Right: 154.268+/-31.175 χ²/NDF: 28.7/36
In: 219.406+/-26.563 χ²/NDF:49.0/39
Out: 221.203+/-25.785 χ²/NDF:37.3/44
All: 220.331+/-18.502 χ²/NDF: 86.3/84

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 120.256+/-0.032 χ^2/NDF: 444173.6/16

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 116.448+/-0.031 χ^2/NDF: 999521.6/19

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

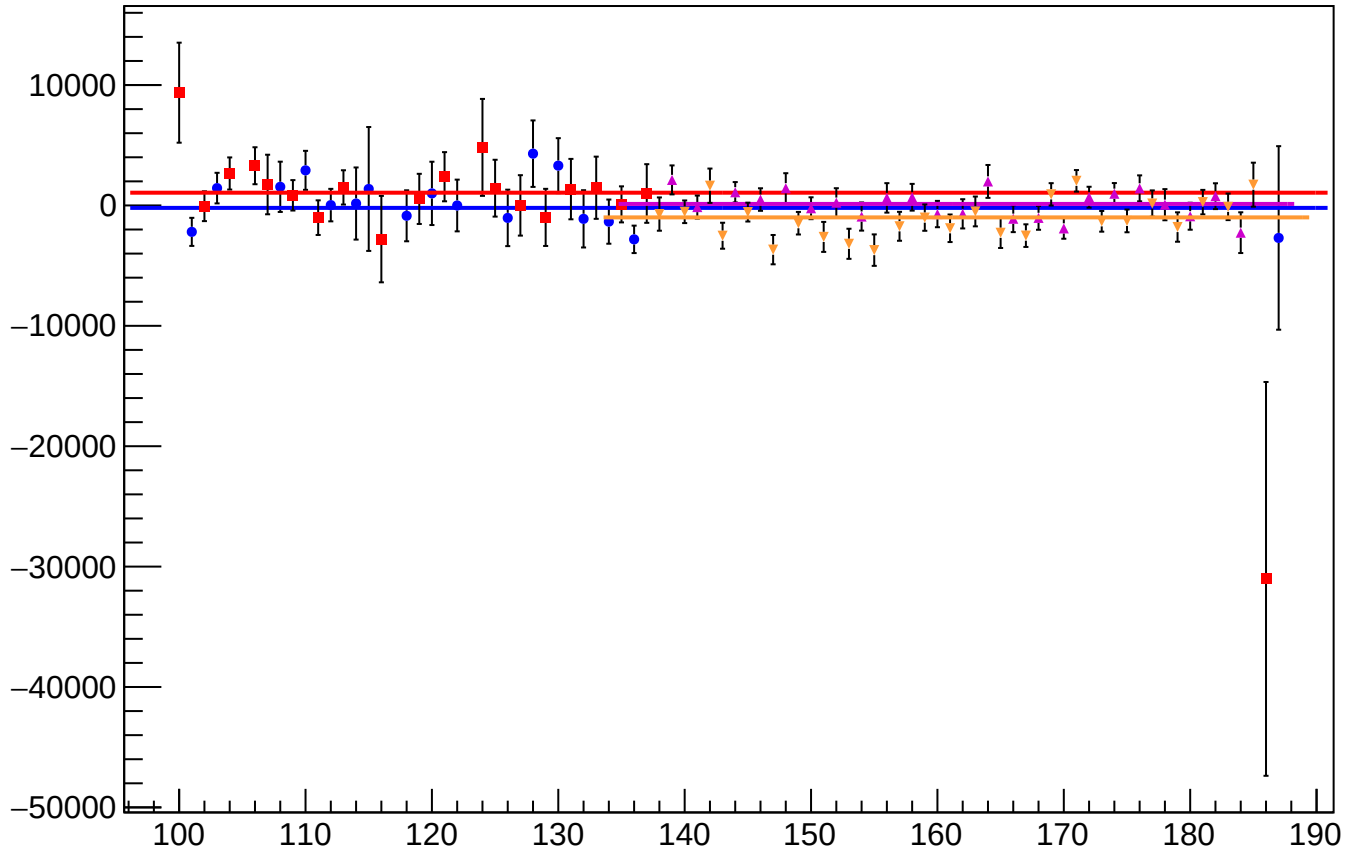
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 118.272+/-0.022 χ^2/NDF: 1451142.3/36

In: 131.496+/-0.019 χ^2/NDF:1744513.4/39

Out: 130.403+/-0.018 χ^2/NDF:2662107.6/44

All: 130.933+/-0.013 χ^2/NDF: 4408364.5/84



Right In: -203.680+/-446.565 χ^2/NDF: 20.5/16

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1057.638+/-425.806 χ^2/NDF: 18.4/19

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

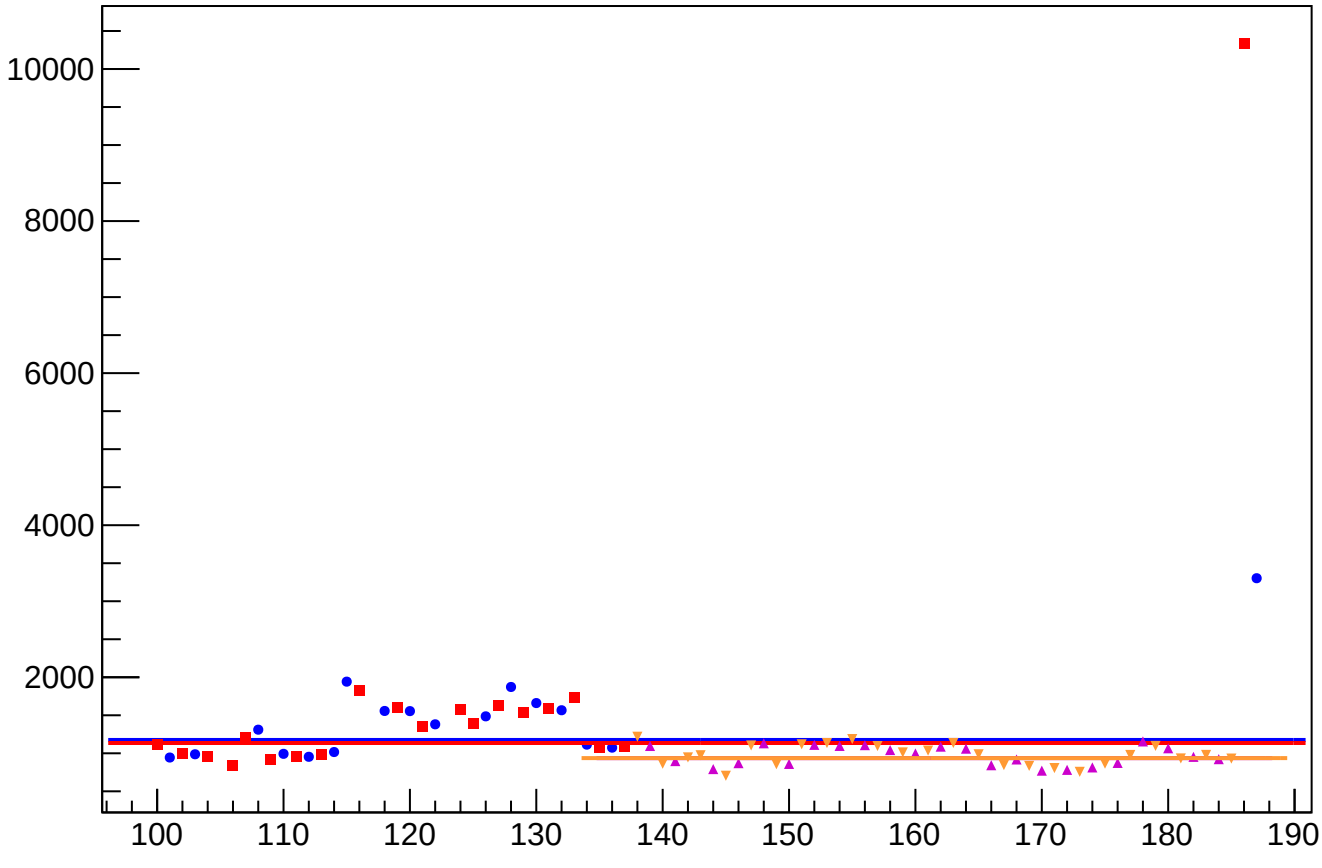
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 456.977+/-308.168 χ^2/NDF: 43.1/36

In: 60.050+/-198.335 χ^2/NDF:44.8/39

Out: -574.575+/-192.386 χ^2/NDF:83.8/44

All: -266.924+/-138.093 χ^2/NDF: 133.9/84



Right In: 1175.389+/-0.316 χ^2/NDF: 865671.8/16

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1135.555+/-0.301 χ^2/NDF: 1440318.7/19

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

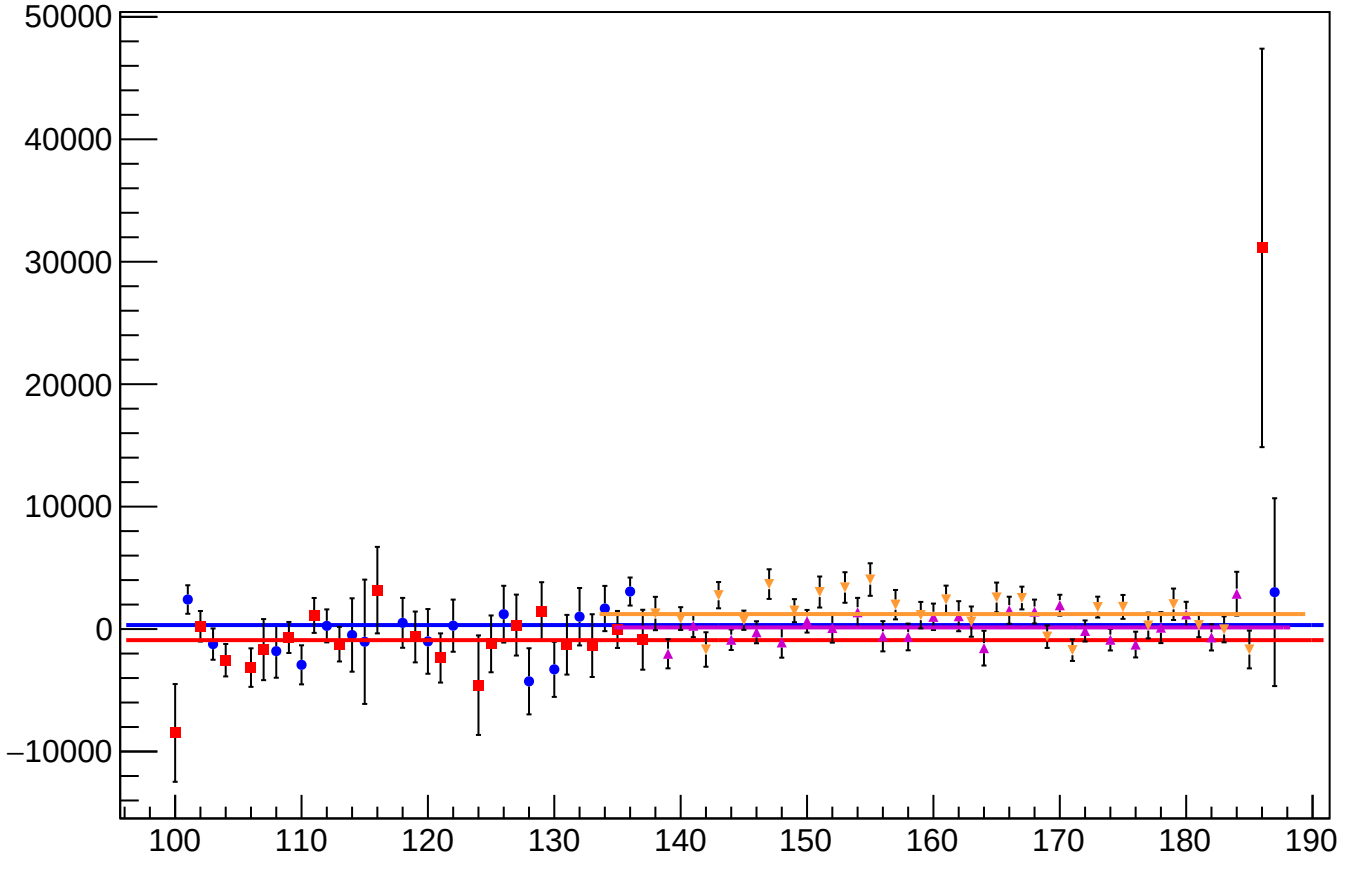
Right: 1154.524+/-0.218 χ^2/NDF: 2314325.6/36

In: 983.525+/-0.140 χ^2/NDF:1968322.2/39

Out: 977.327+/-0.136 χ^2/NDF:2619774.2/44

All: 980.332+/-0.098 χ^2/NDF: 4589102.8/84

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 326.464+/-445.587 χ^2/NDF: 22.3/16

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -904.142+/-425.259 χ^2/NDF: 18.4/19

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

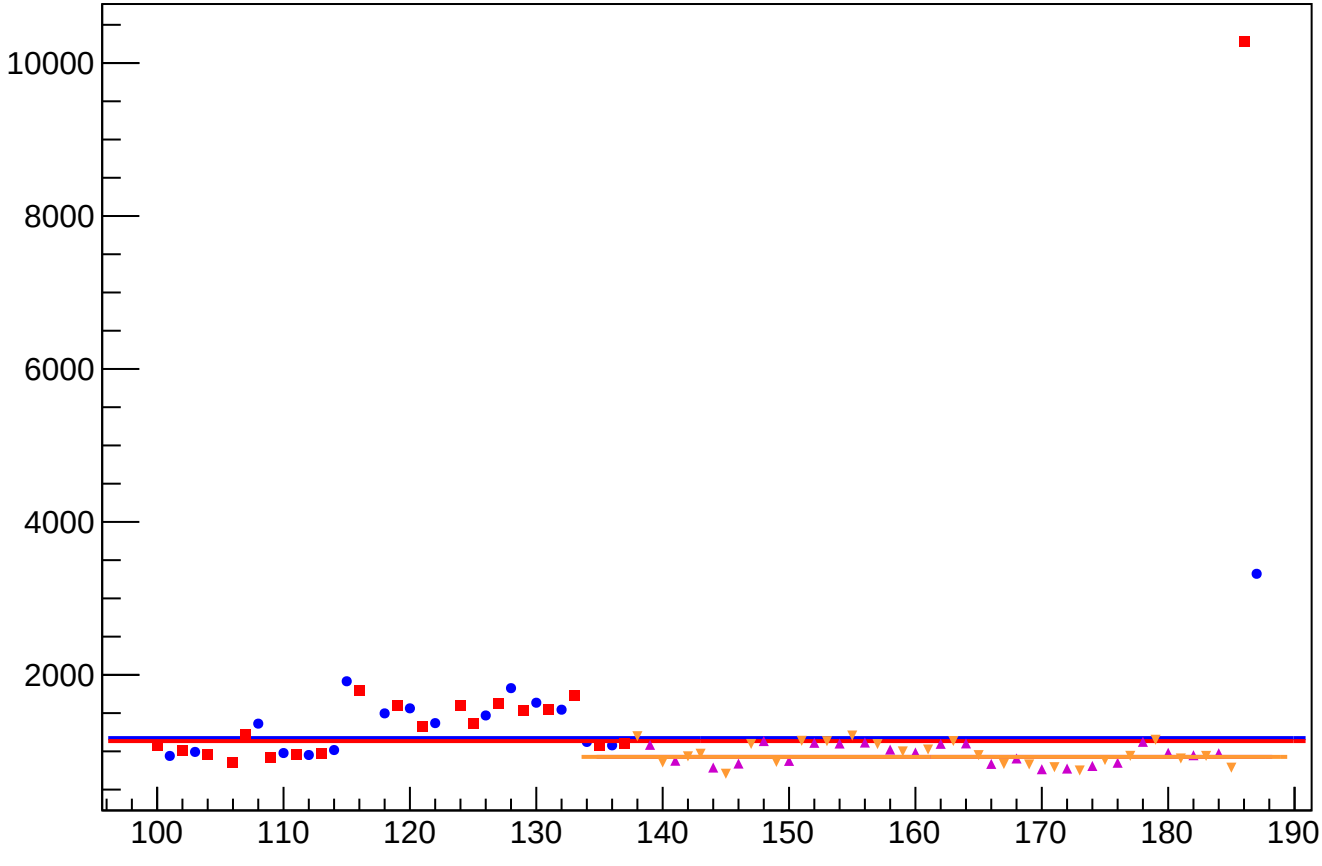
Right: -317.549+/-307.639 χ^2/NDF: 44.7/36

In: 170.583+/-196.745 χ^2/NDF:48.3/39

Out: 795.697+/-191.049 χ^2/NDF:86.9/44

All: 492.321+/-137.061 χ^2/NDF: 140.4/84

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1173.331+/-0.315 χ^2/NDF: 834479.7/16

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1134.258+/-0.301 χ^2/NDF: 1408146.1/19

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

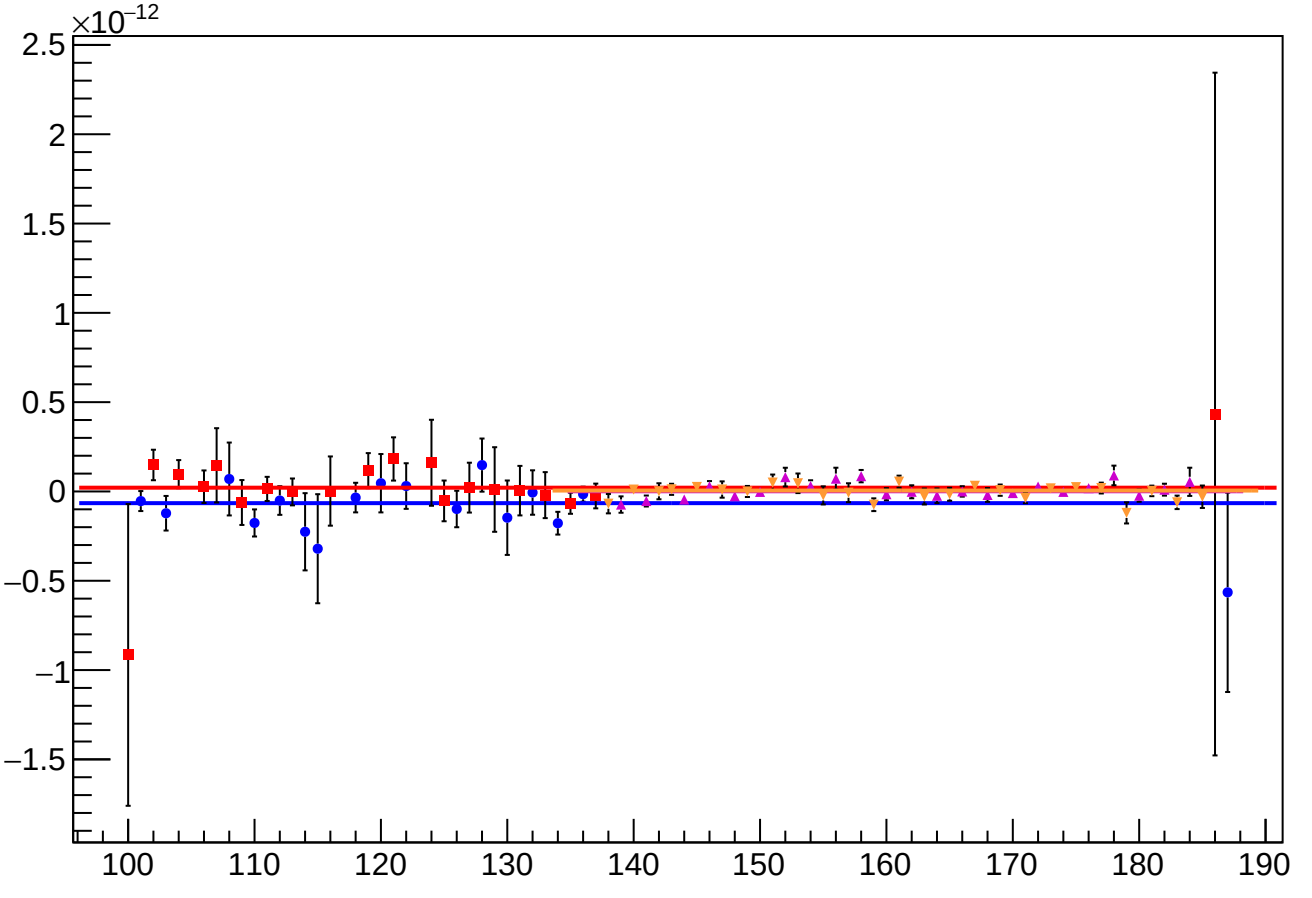
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1152.883+/-0.218 χ^2/NDF: 2250673.8/36

In: 975.283+/-0.139 χ^2/NDF:1981801.2/39

Out: 969.317+/-0.135 χ^2/NDF:2660222.5/44

All: 972.212+/-0.097 χ^2/NDF: 4642970.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/19

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

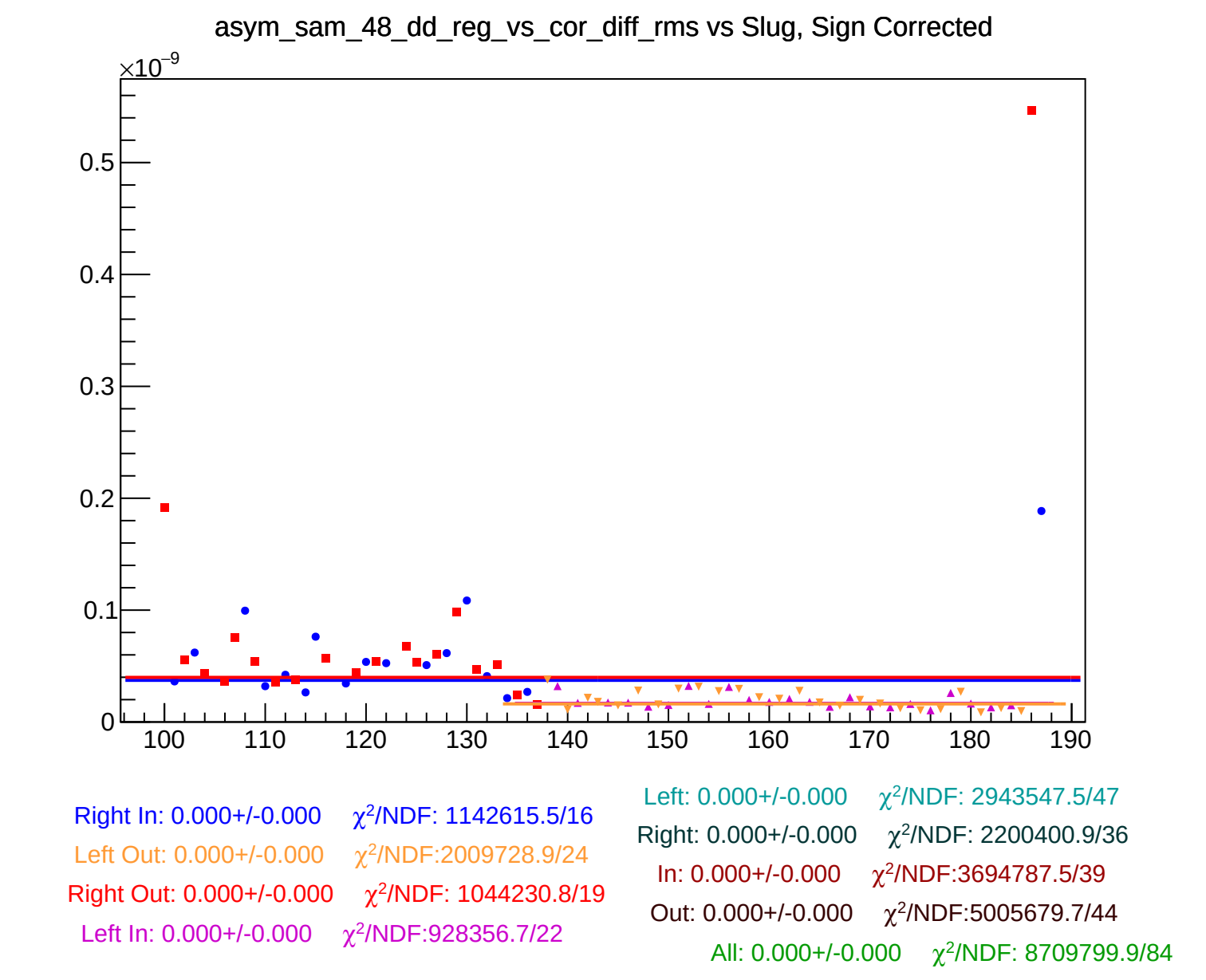
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

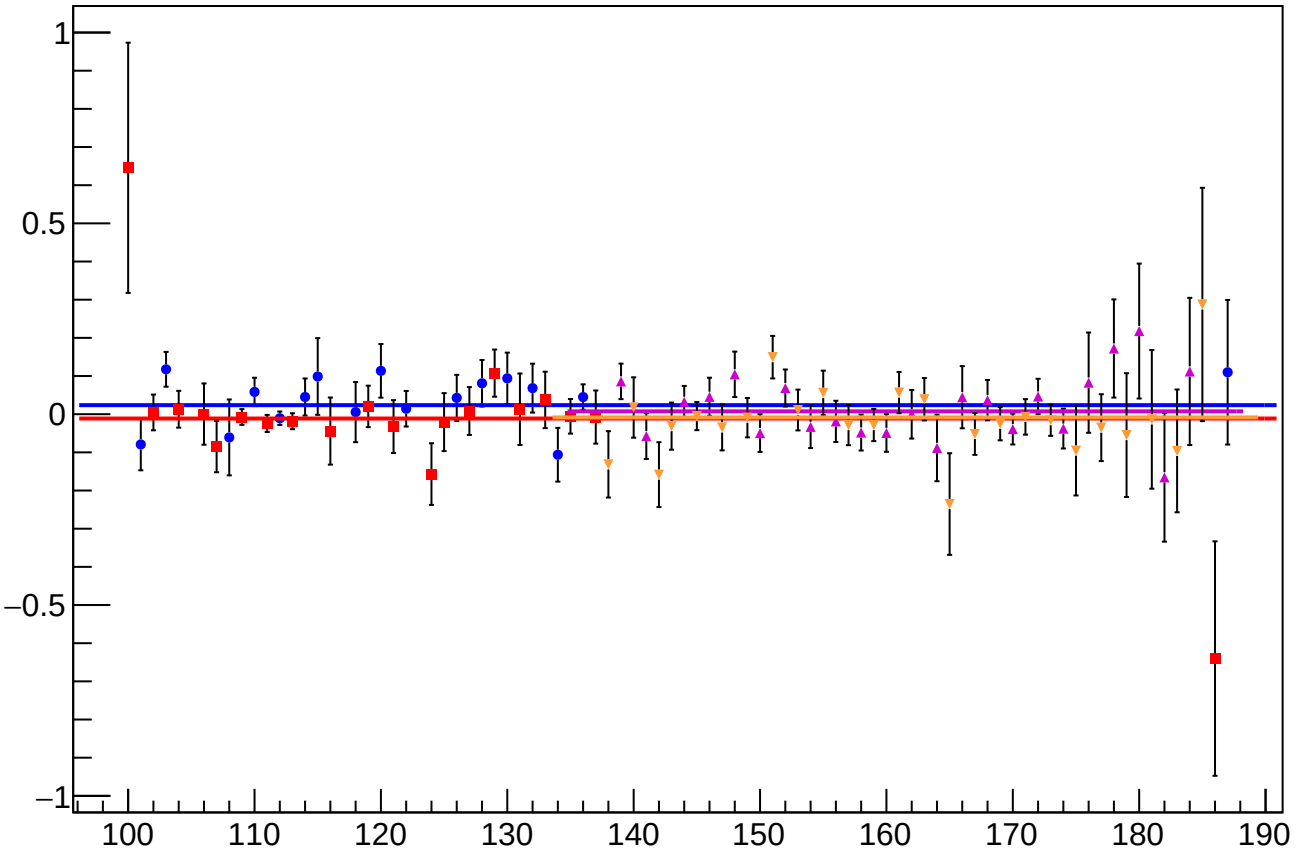
Right: -0.000+/-0.000 χ^2/NDF: 32.2/36

In: -0.000+/-0.000 χ^2/NDF:49.5/39

Out: 0.000+/-0.000 χ^2/NDF:37.4/44

All: 0.000+/-0.000 χ^2/NDF: 88.3/84


asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1142615.5/16
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1044230.8/19
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
Left: 0.000+/-0.000 χ²/NDF: 2943547.5/47
Right: 0.000+/-0.000 χ²/NDF: 2200400.9/36
In: 0.000+/-0.000 χ²/NDF:3694787.5/39
Out: 0.000+/-0.000 χ²/NDF:5005679.7/44
All: 0.000+/-0.000 χ²/NDF: 8709799.9/84



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.011+/-0.010 χ^2/NDF: 18.4/19

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

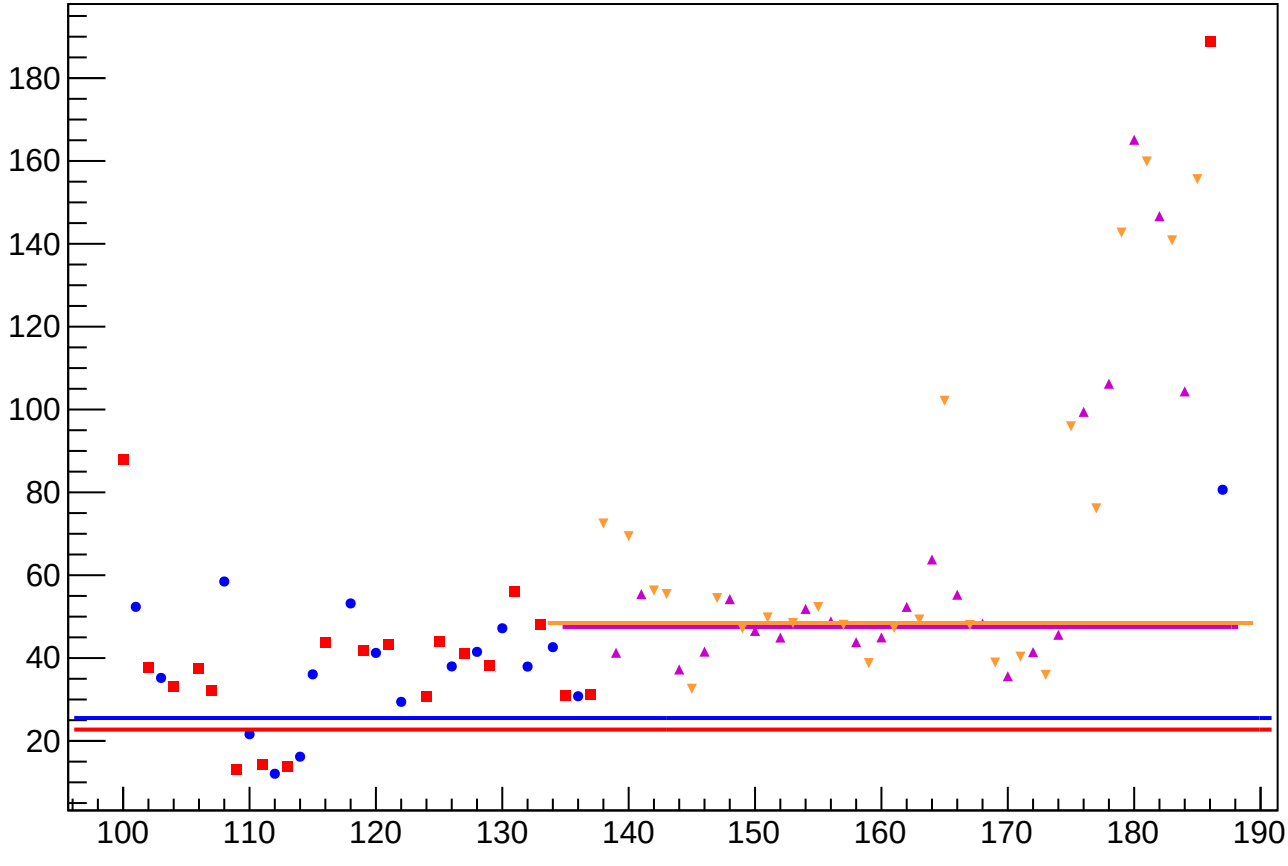
Right: 0.004+/-0.007 χ^2/NDF: 45.0/36

In: 0.016+/-0.008 χ^2/NDF:45.2/39

Out: -0.010+/-0.008 χ^2/NDF:41.6/44

All: 0.002+/-0.006 χ^2/NDF: 92.4/84

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.522+/-0.008 χ^2/NDF: 3095031.6/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 22.741+/-0.007 χ^2/NDF: 3725307.4/19

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

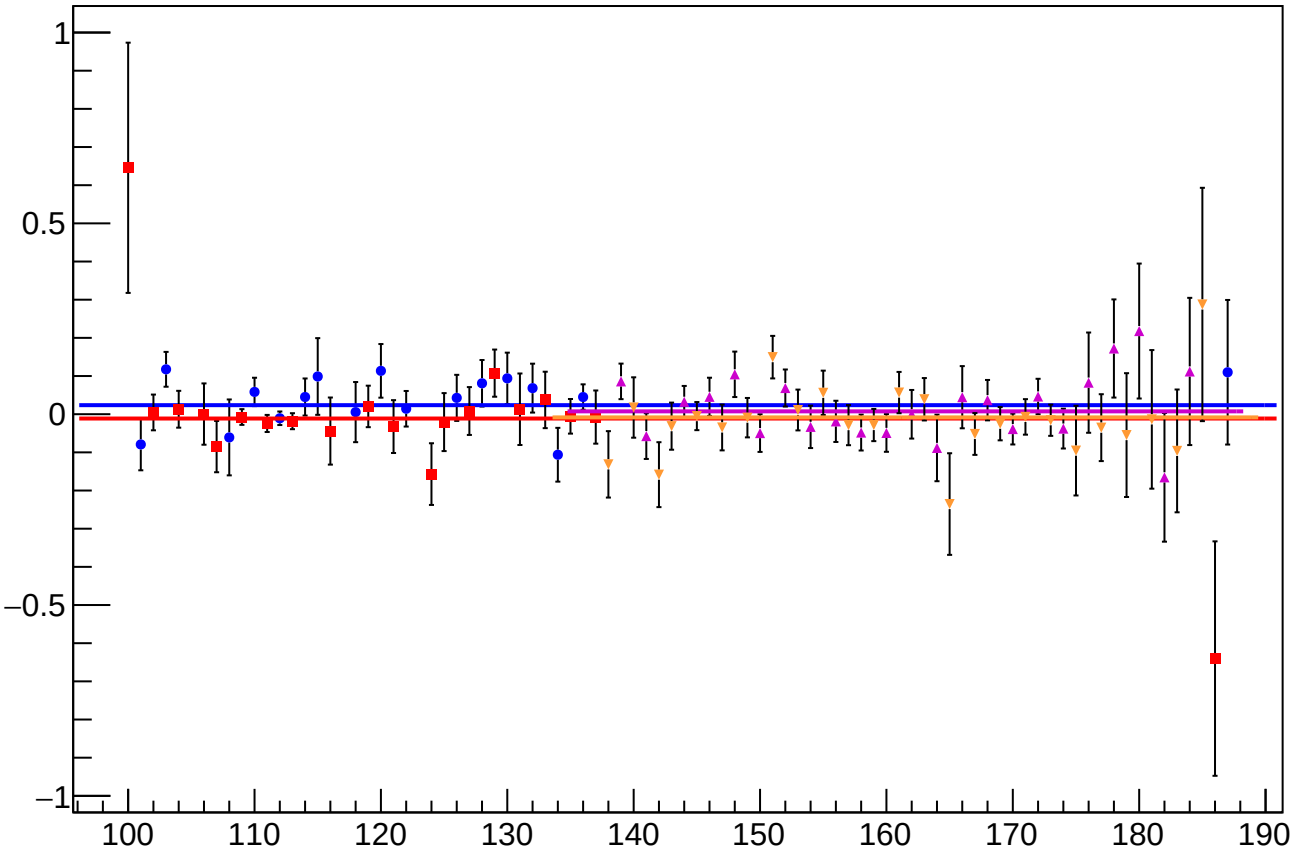
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 23.965+/-0.005 χ^2/NDF: 6891290.0/36

In: 35.580+/-0.006 χ^2/NDF:9791800.2/39

Out: 33.024+/-0.005 χ^2/NDF:13612779.0/44

All: 34.213+/-0.004 χ^2/NDF: 23510051.1/84



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.011+/-0.010 χ^2/NDF: 18.4/19

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

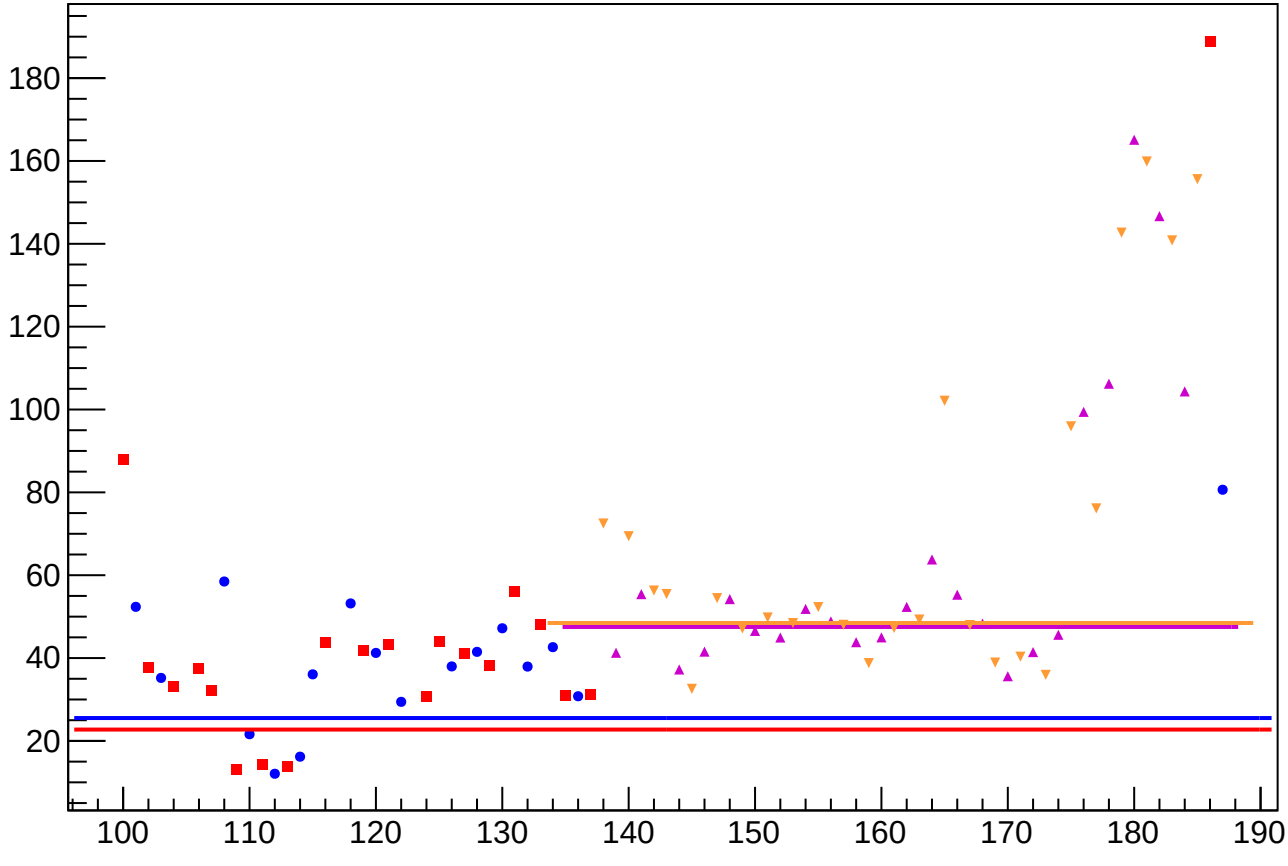
Right: 0.004+/-0.007 χ^2/NDF: 45.0/36

In: 0.016+/-0.008 χ^2/NDF:45.2/39

Out: -0.010+/-0.008 χ^2/NDF:41.6/44

All: 0.002+/-0.006 χ^2/NDF: 92.4/84

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.522+/-0.008 χ^2/NDF: 3095031.6/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 22.741+/-0.007 χ^2/NDF: 3725307.4/19

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

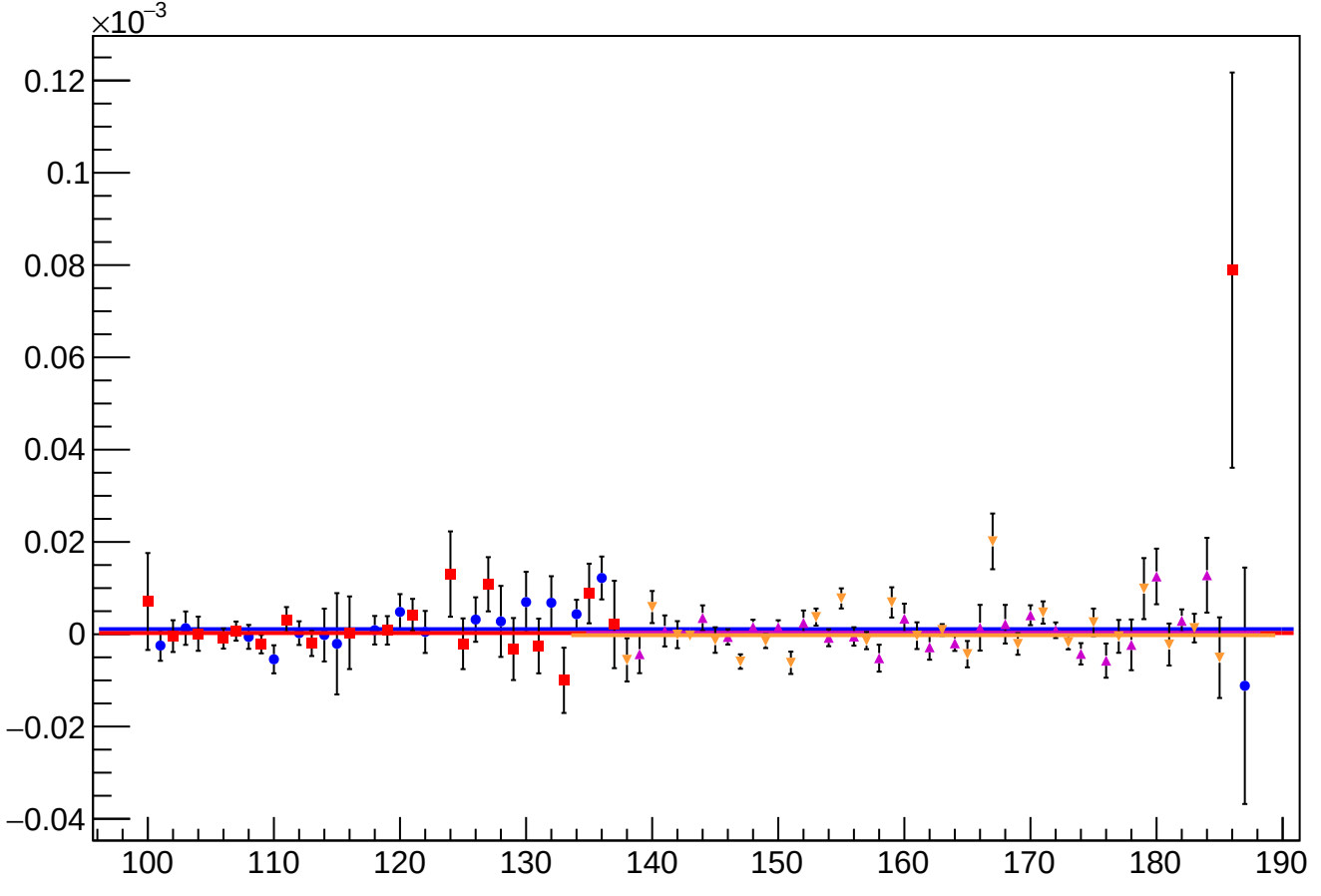
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 23.965+/-0.005 χ^2/NDF: 6891290.0/36

In: 35.580+/-0.006 χ^2/NDF:9791800.2/39

Out: 33.024+/-0.005 χ^2/NDF:13612779.0/44

All: 34.213+/-0.004 χ^2/NDF: 23510051.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

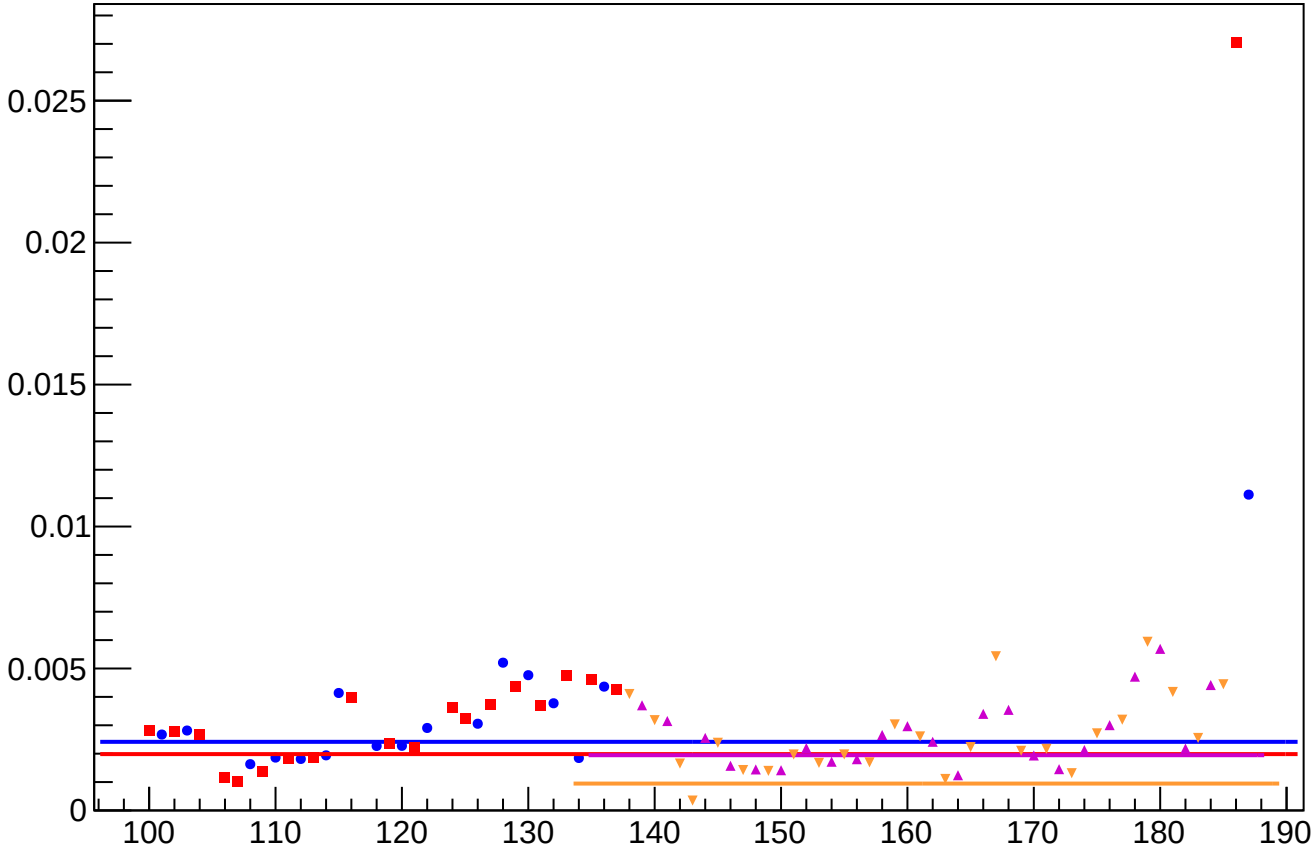
Right: 0.000+/-0.000 χ^2/NDF: 35.4/36

In: 0.000+/-0.000 χ^2/NDF:47.9/39

Out: -0.000+/-0.000 χ^2/NDF:90.4/44

All: 0.000+/-0.000 χ^2/NDF: 139.6/84

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1803308.5/16

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3460019.5/19

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

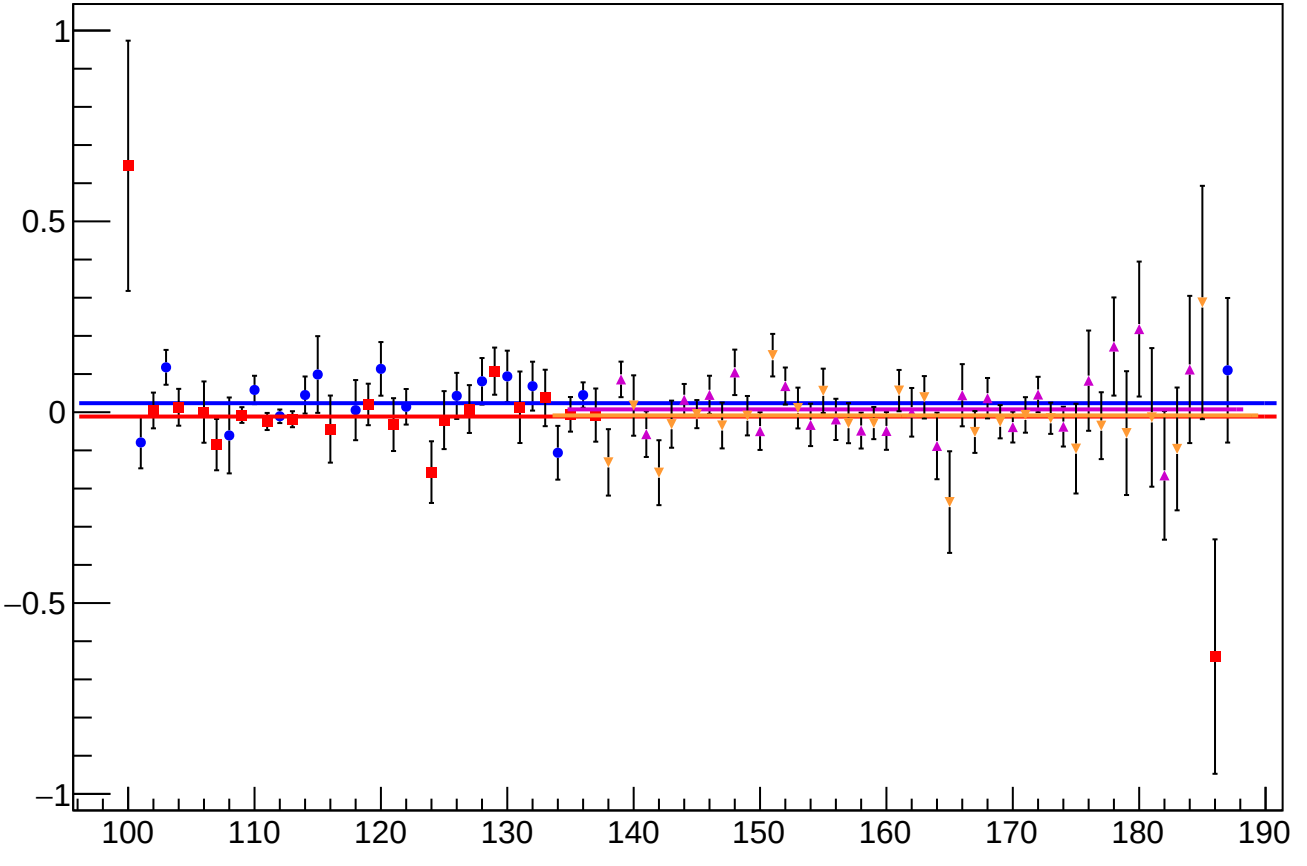
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 5501286.1/36

In: 0.002+/-0.000 χ^2/NDF:6549459.3/39

Out: 0.001+/-0.000 χ^2/NDF:23938100.2/44

All: 0.001+/-0.000 χ^2/NDF: 37414862.8/84



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.011+/-0.010 χ^2/NDF: 18.4/19

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

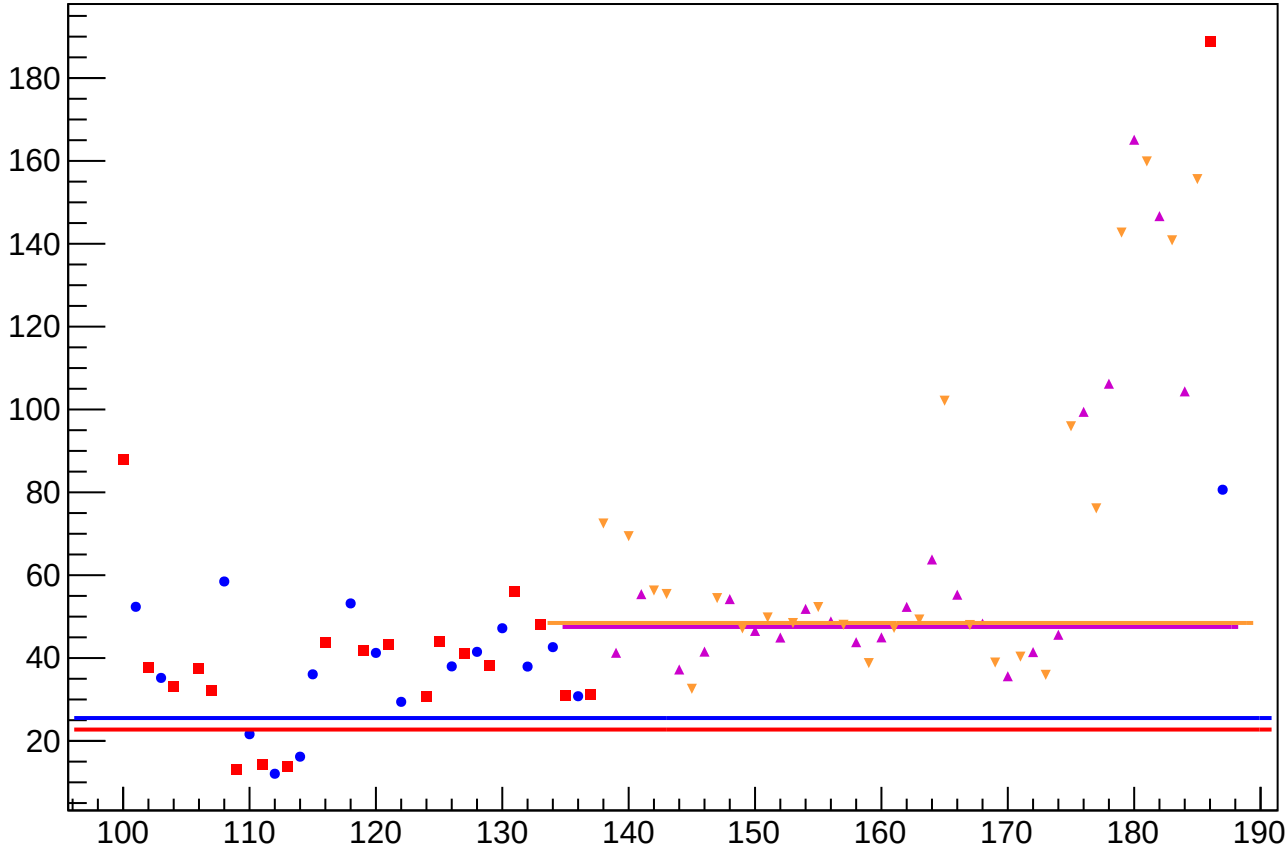
Right: 0.004+/-0.007 χ^2/NDF: 45.0/36

In: 0.016+/-0.008 χ^2/NDF:45.2/39

Out: -0.010+/-0.008 χ^2/NDF:41.6/44

All: 0.002+/-0.006 χ^2/NDF: 92.4/84

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.521+/-0.008 χ^2/NDF: 3095455.3/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 22.740+/-0.007 χ^2/NDF: 3725441.3/19

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

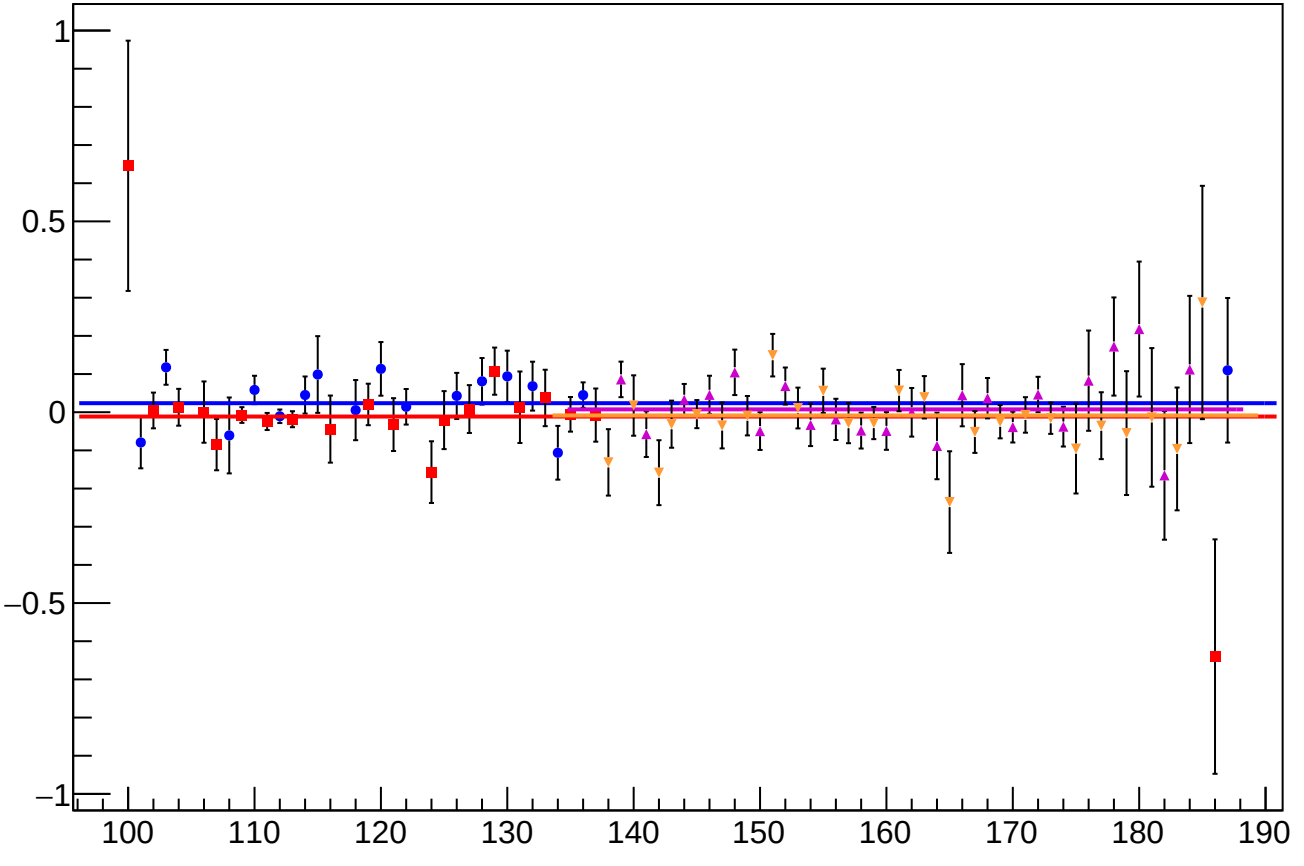
Right: 23.964+/-0.005 χ^2/NDF: 6891798.2/36

In: 35.579+/-0.006 χ^2/NDF:9792785.8/39

Out: 33.024+/-0.005 χ^2/NDF:13613123.7/44

All: 34.213+/-0.004 χ^2/NDF: 23511322.0/84

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.011+/-0.010 χ^2/NDF: 18.4/19

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

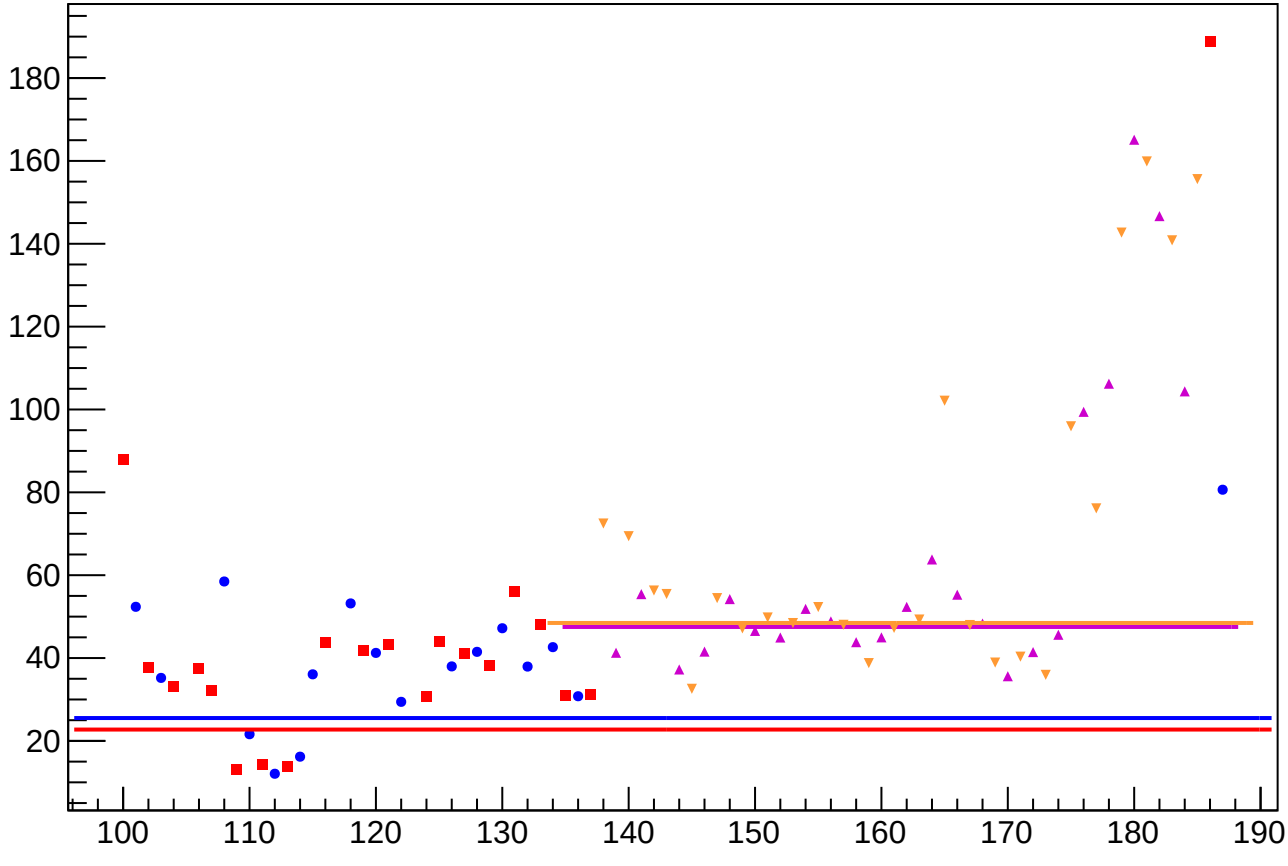
Right: 0.004+/-0.007 χ^2/NDF: 45.0/36

In: 0.016+/-0.008 χ^2/NDF:45.2/39

Out: -0.010+/-0.008 χ^2/NDF:41.6/44

All: 0.002+/-0.006 χ^2/NDF: 92.4/84

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.521+/-0.008 χ^2/NDF: 3095455.3/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 22.740+/-0.007 χ^2/NDF: 3725441.3/19

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

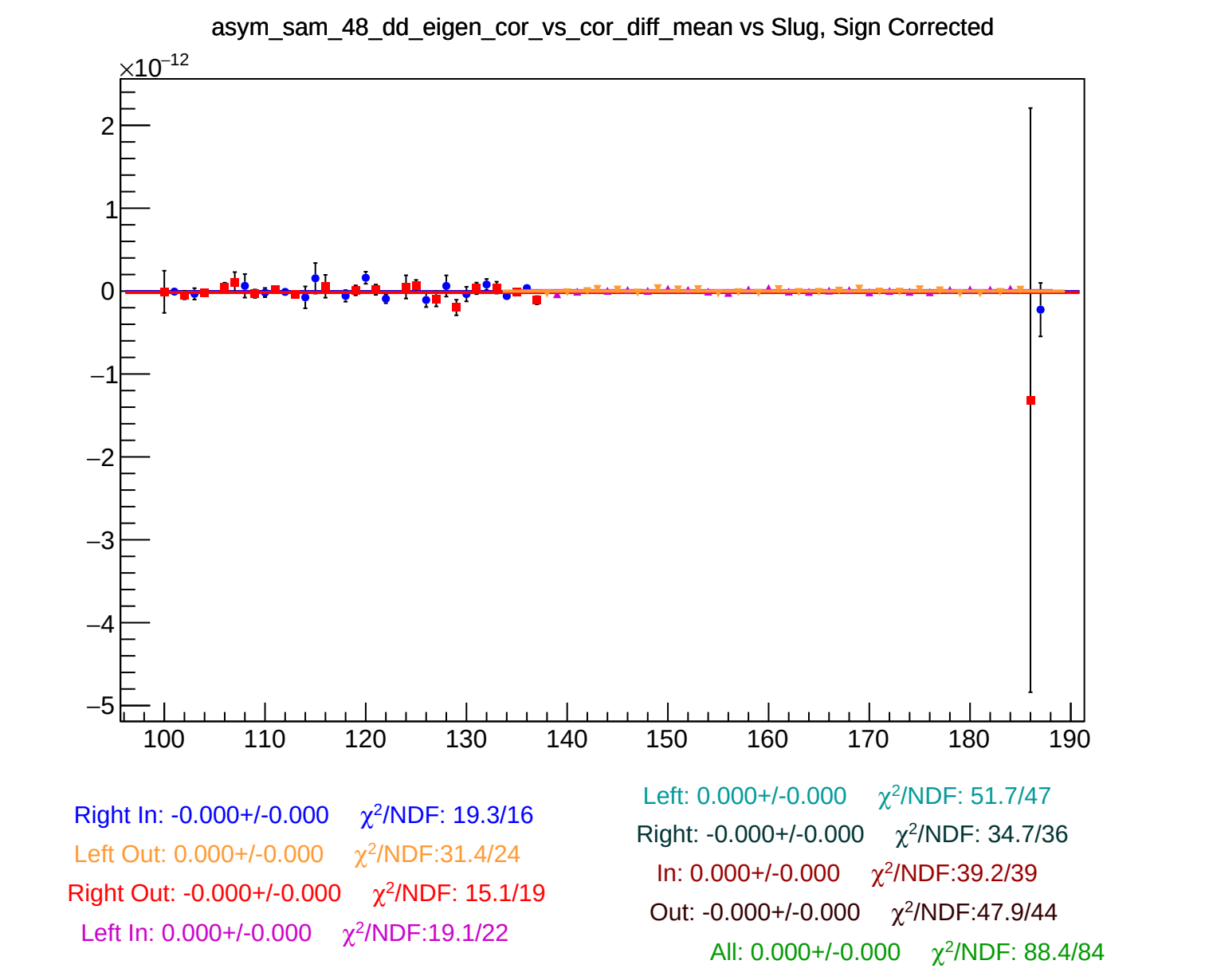
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

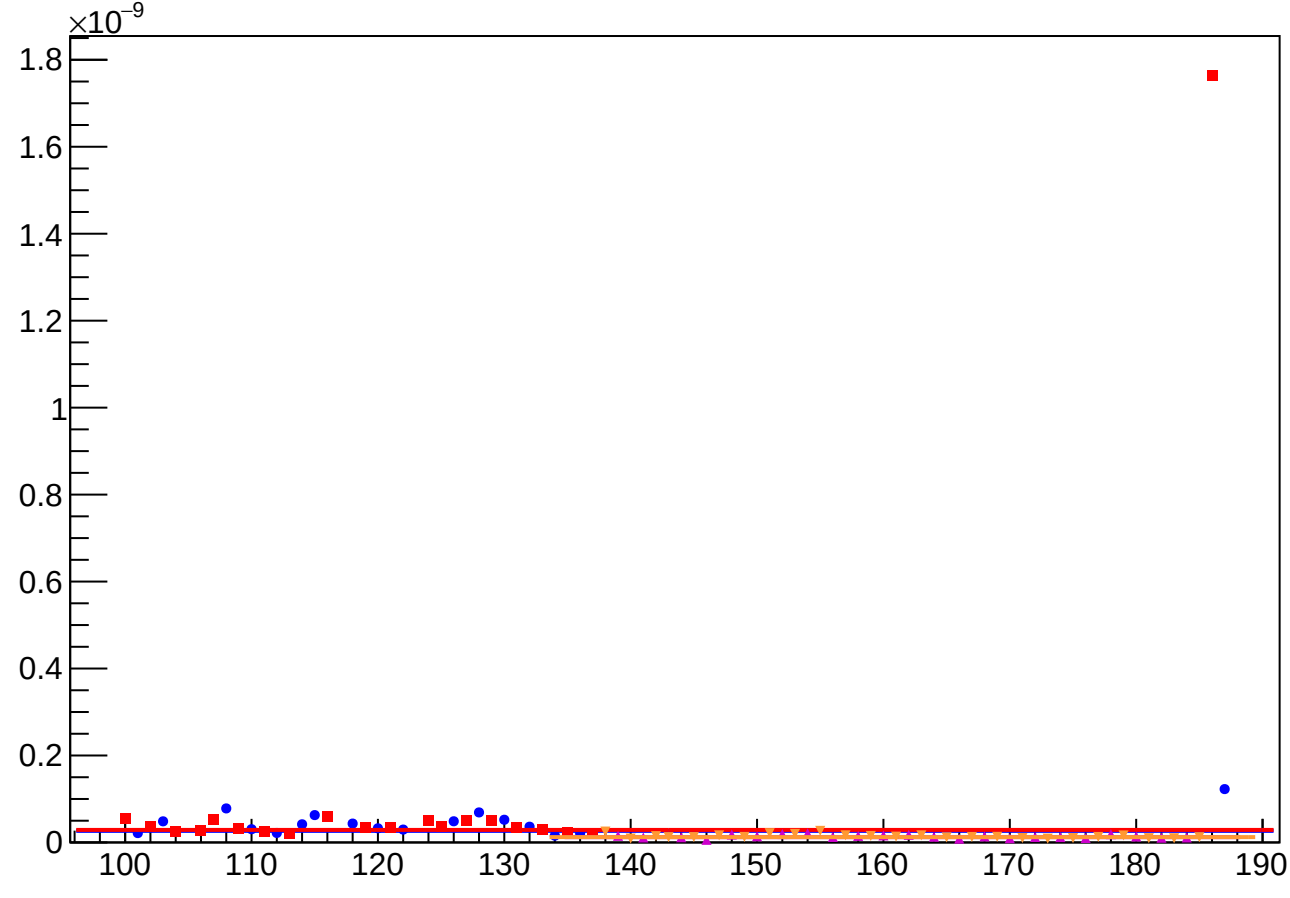
Right: 23.964+/-0.005 χ^2/NDF: 6891798.2/36

In: 35.579+/-0.006 χ^2/NDF:9792785.8/39

Out: 33.024+/-0.005 χ^2/NDF:13613123.7/44

All: 34.213+/-0.004 χ^2/NDF: 23511322.0/84


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 19.3/16
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.1/19
Left In: 0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 51.7/47
Right: -0.000+/-0.000 χ²/NDF: 34.7/36
In: 0.000+/-0.000 χ²/NDF:39.2/39
Out: -0.000+/-0.000 χ²/NDF:47.9/44
All: 0.000+/-0.000 χ²/NDF: 88.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 1870913.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1395813.1/19

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

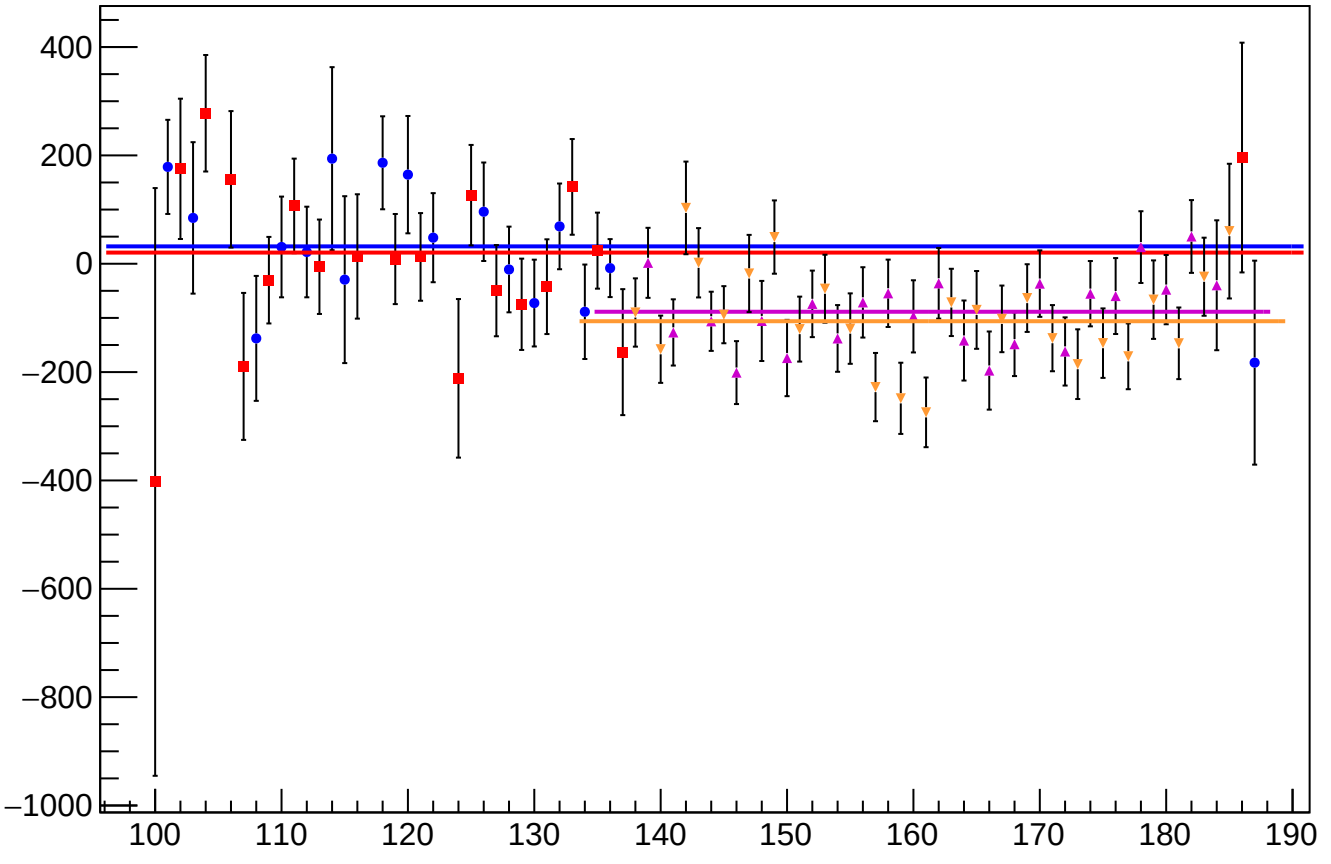
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 3293675.4/36

In: 0.000+/-0.000 χ^2/NDF:6198143.5/39

Out: 0.000+/-0.000 χ^2/NDF:6214467.0/44

All: 0.000+/-0.000 χ^2/NDF: 12412749.5/84



Right In: 32.052+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 20.602+/-22.017 χ^2/NDF: 24.2/19

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

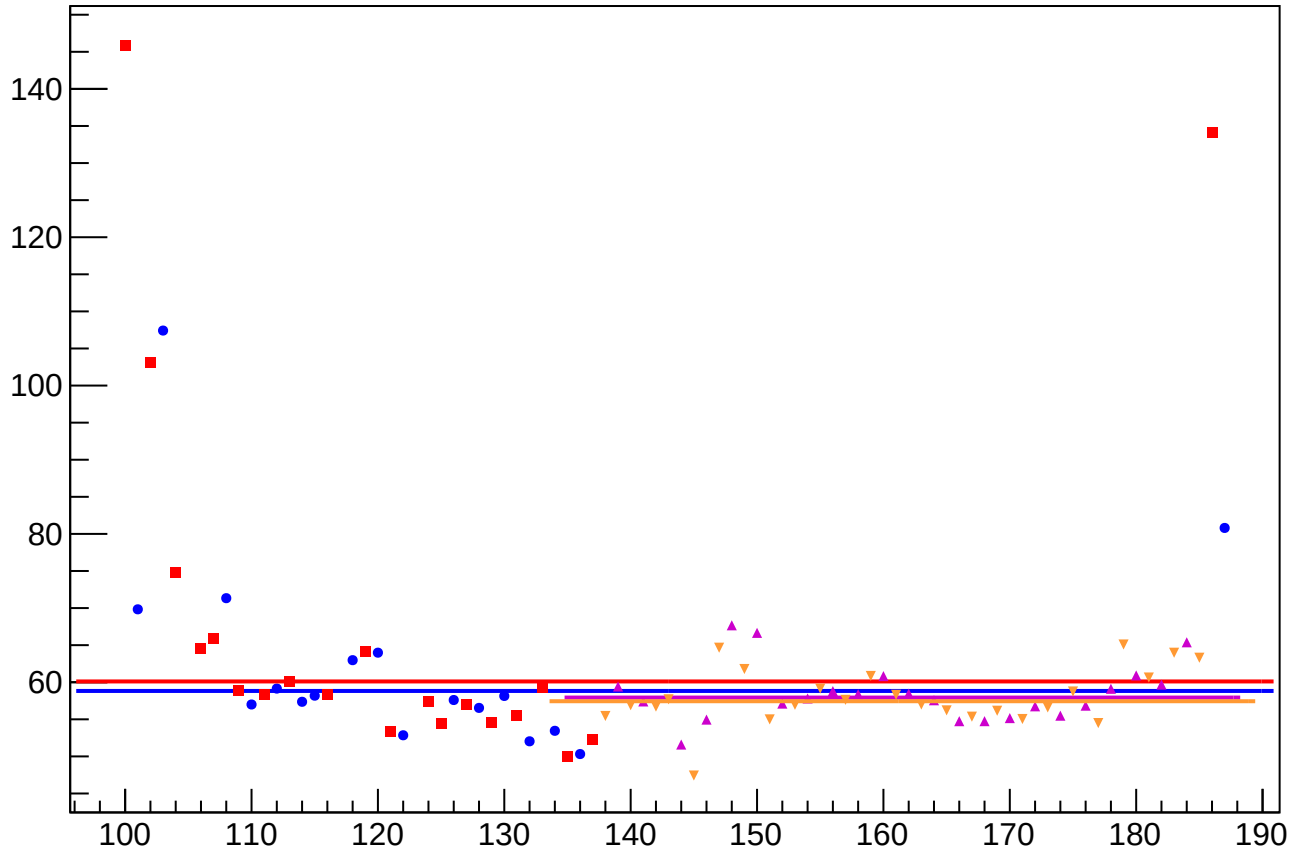
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 26.336+/-15.556 χ^2/NDF: 41.8/36

In: -55.338+/-11.545 χ^2/NDF:63.2/39

Out: -73.014+/-11.251 χ^2/NDF:89.3/44

All: -64.404+/-8.058 χ^2/NDF: 153.8/84



Right In: 58.825+/-0.016 χ^2/NDF: 420379.0/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 60.107+/-0.016 χ^2/NDF: 652597.2/19

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

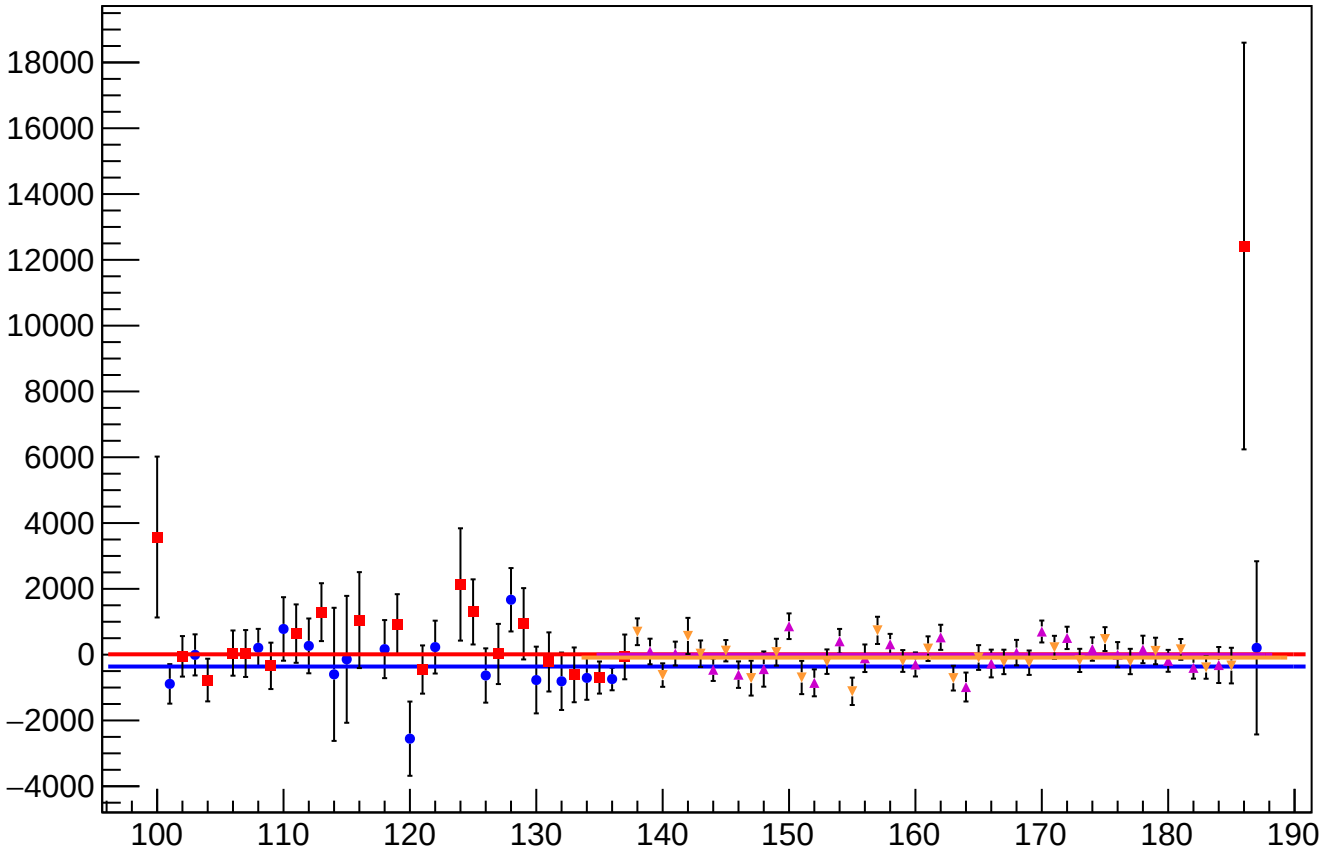
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 59.465+/-0.011 χ^2/NDF: 1076371.4/36

In: 58.179+/-0.008 χ^2/NDF:558670.8/39

Out: 58.137+/-0.008 χ^2/NDF:848838.1/44

All: 58.157+/-0.006 χ^2/NDF: 1407522.6/84



Right In: -361.402+/-180.177 χ^2/NDF: 15.3/16

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 10.319+/-183.005 χ^2/NDF: 19.1/19

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

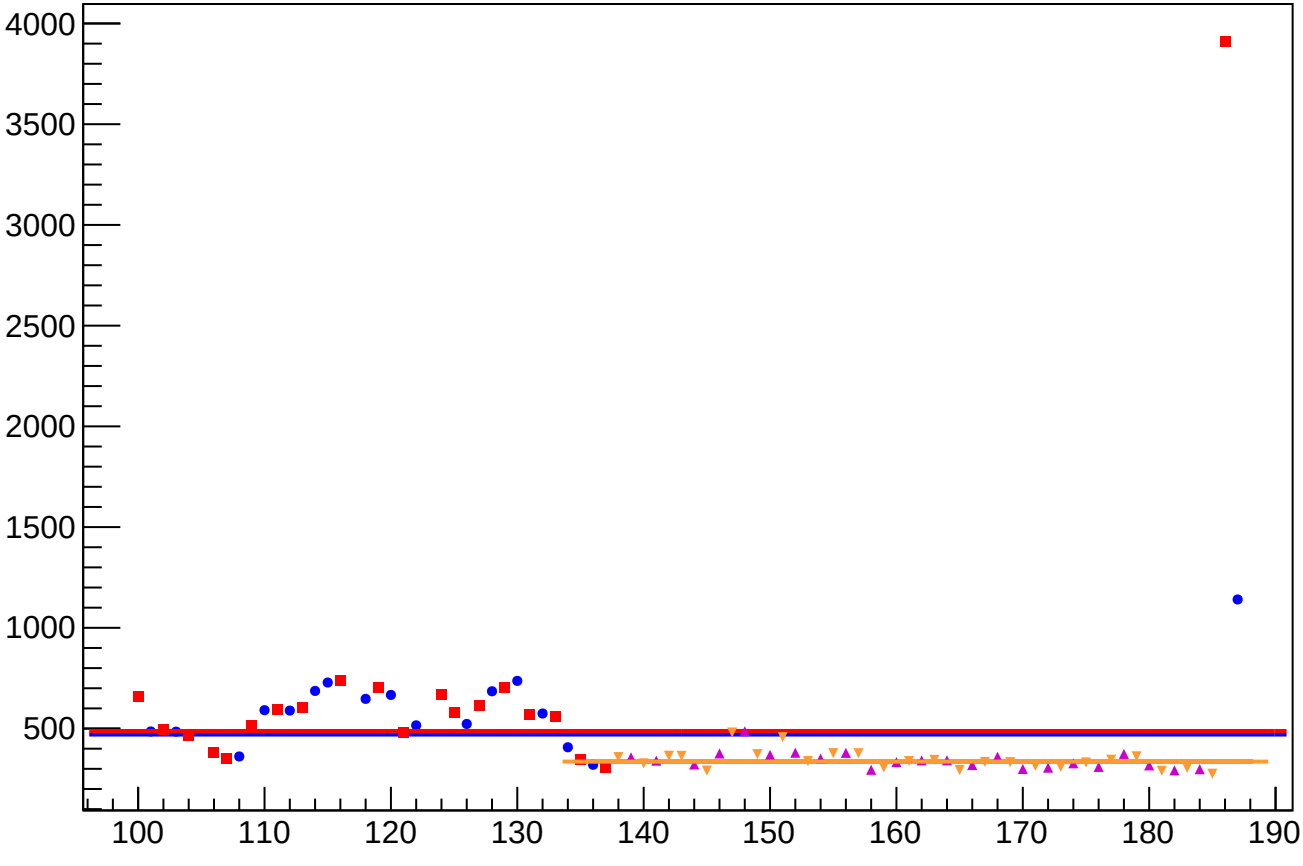
Right: -178.436+/-128.393 χ^2/NDF: 36.5/36

In: -61.066+/-72.499 χ^2/NDF:52.2/39

Out: -74.108+/-70.982 χ^2/NDF:49.3/44

All: -67.725+/-50.720 χ^2/NDF: 101.5/84

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 470.224+/-0.127 χ^2/NDF: 1160670.2/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 487.984+/-0.129 χ^2/NDF: 1487785.1/19

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

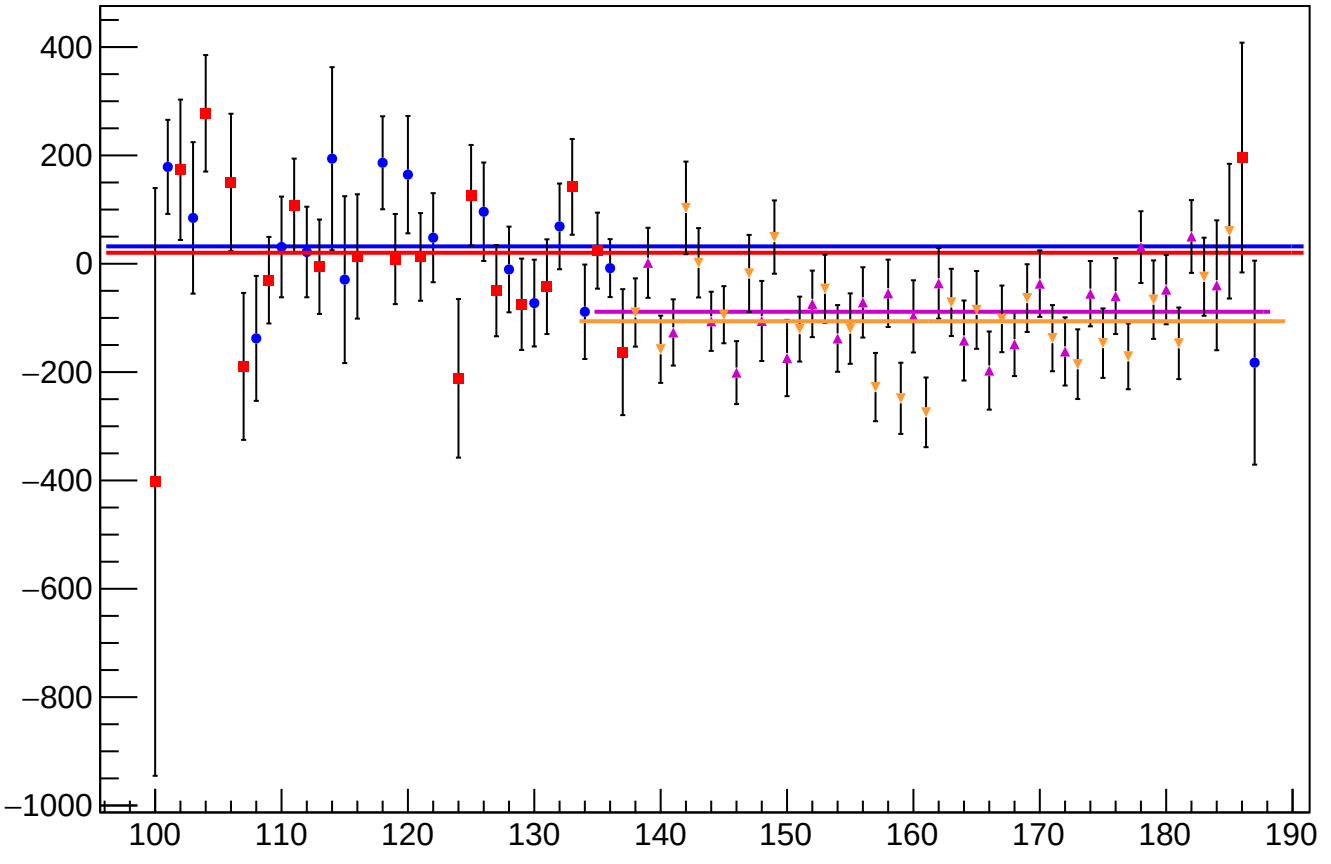
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 478.966+/-0.091 χ^2/NDF: 2658020.4/36

In: 358.020+/-0.051 χ^2/NDF:2500340.8/39

Out: 358.775+/-0.050 χ^2/NDF:3195162.9/44

All: 358.405+/-0.036 χ^2/NDF: 5695614.7/84



Right In: 32.050+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 20.333+/-22.021 χ^2/NDF: 24.1/19

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

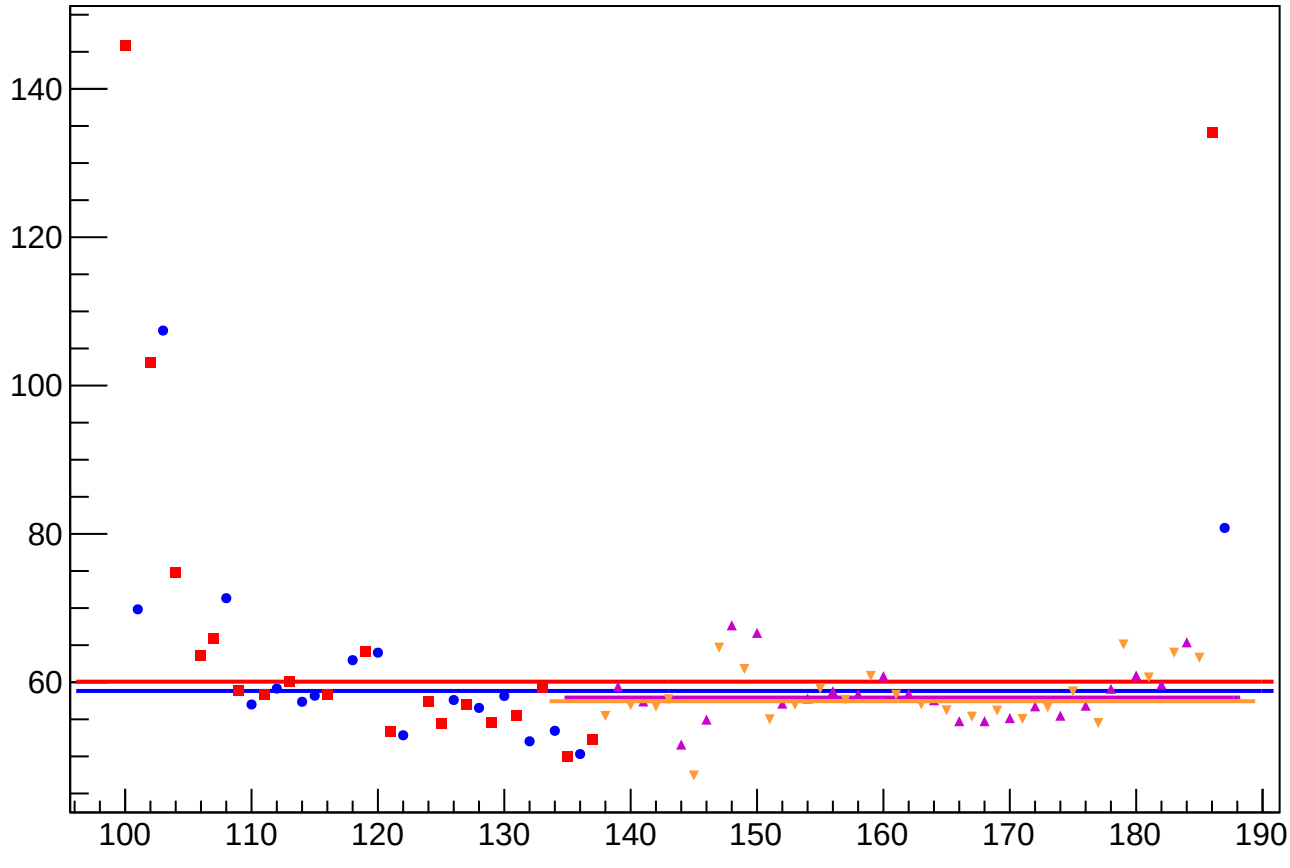
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 26.202+/-15.558 χ^2/NDF: 41.7/36

In: -55.340+/-11.545 χ^2/NDF:63.2/39

Out: -73.093+/-11.252 χ^2/NDF:89.1/44

All: -64.445+/-8.058 χ^2/NDF: 153.5/84



Right In: 58.825+/-0.016 χ^2/NDF: 420381.1/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 60.076+/-0.016 χ^2/NDF: 651810.6/19

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

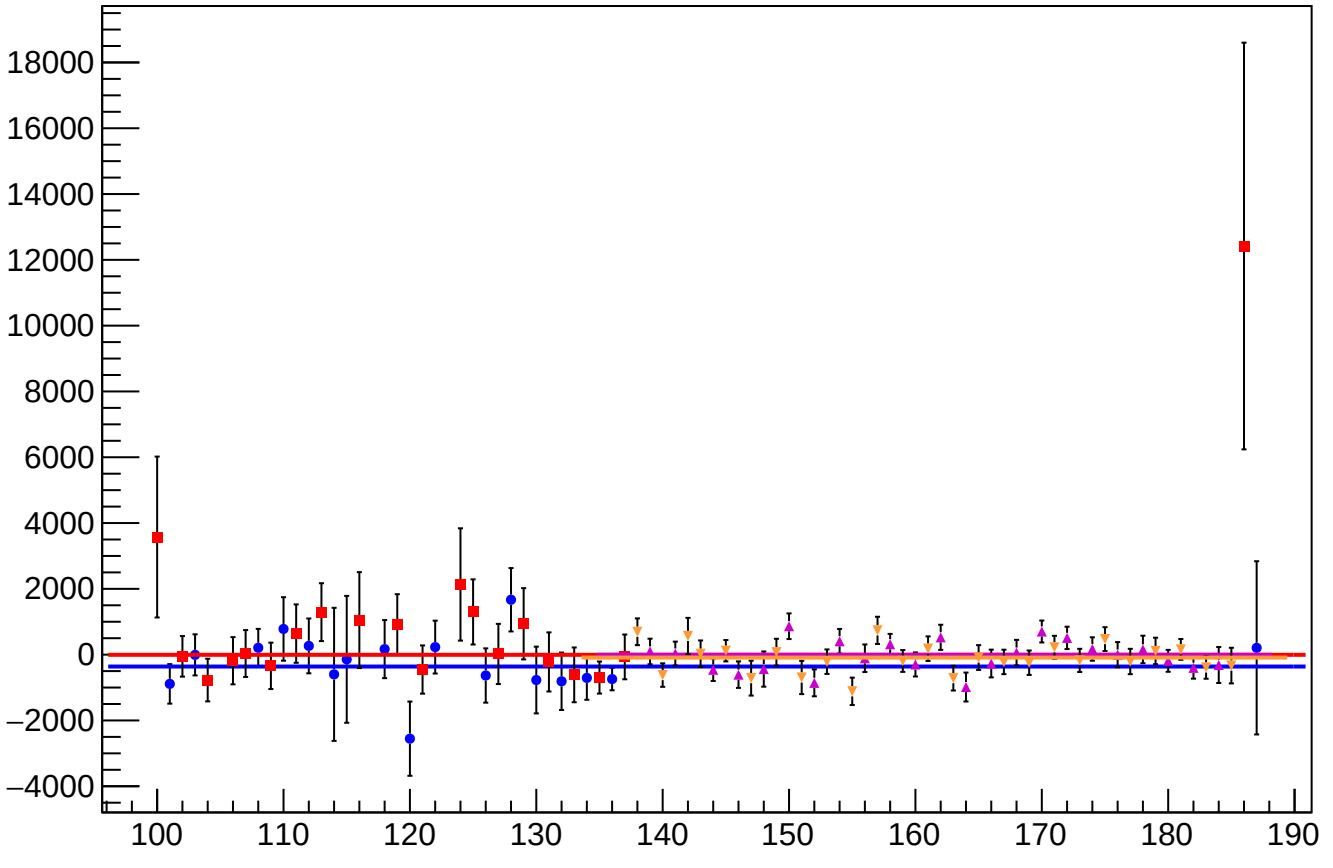
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 59.450+/-0.011 χ^2/NDF: 1075423.0/36

In: 58.179+/-0.008 χ^2/NDF:558672.9/39

Out: 58.128+/-0.008 χ^2/NDF:847541.5/44

All: 58.153+/-0.006 χ^2/NDF: 1406234.1/84



Right In: -361.366+/-180.178 χ^2/NDF: 15.3/16

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -5.117+/-183.569 χ^2/NDF: 19.2/19

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

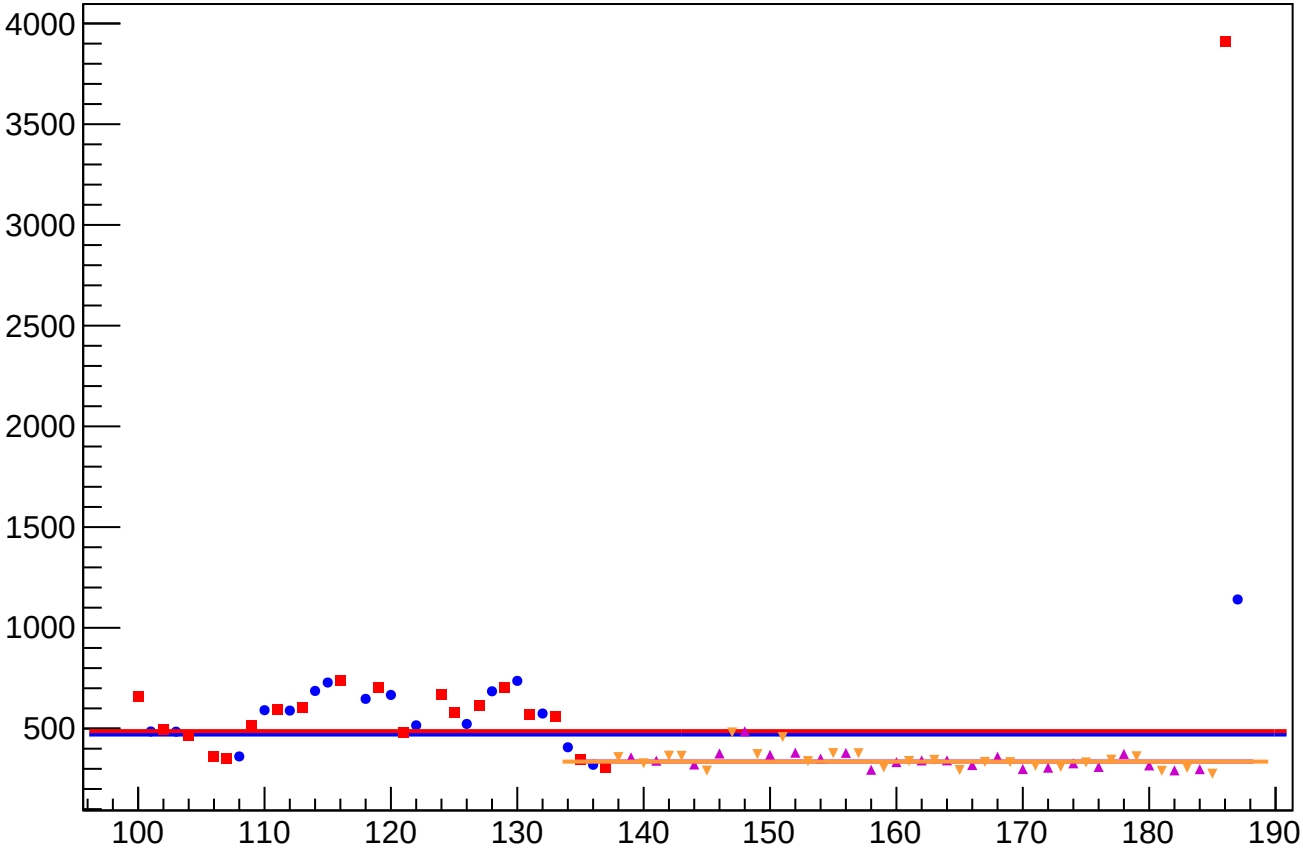
Right: -186.563+/-128.587 χ^2/NDF: 36.4/36

In: -61.061+/-72.499 χ^2/NDF:52.2/39

Out: -76.498+/-71.015 χ^2/NDF:49.3/44

All: -68.939+/-50.732 χ^2/NDF: 101.5/84

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 470.227+/-0.127 χ^2/NDF: 1160671.5/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 487.296+/-0.130 χ^2/NDF: 1502730.5/19

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

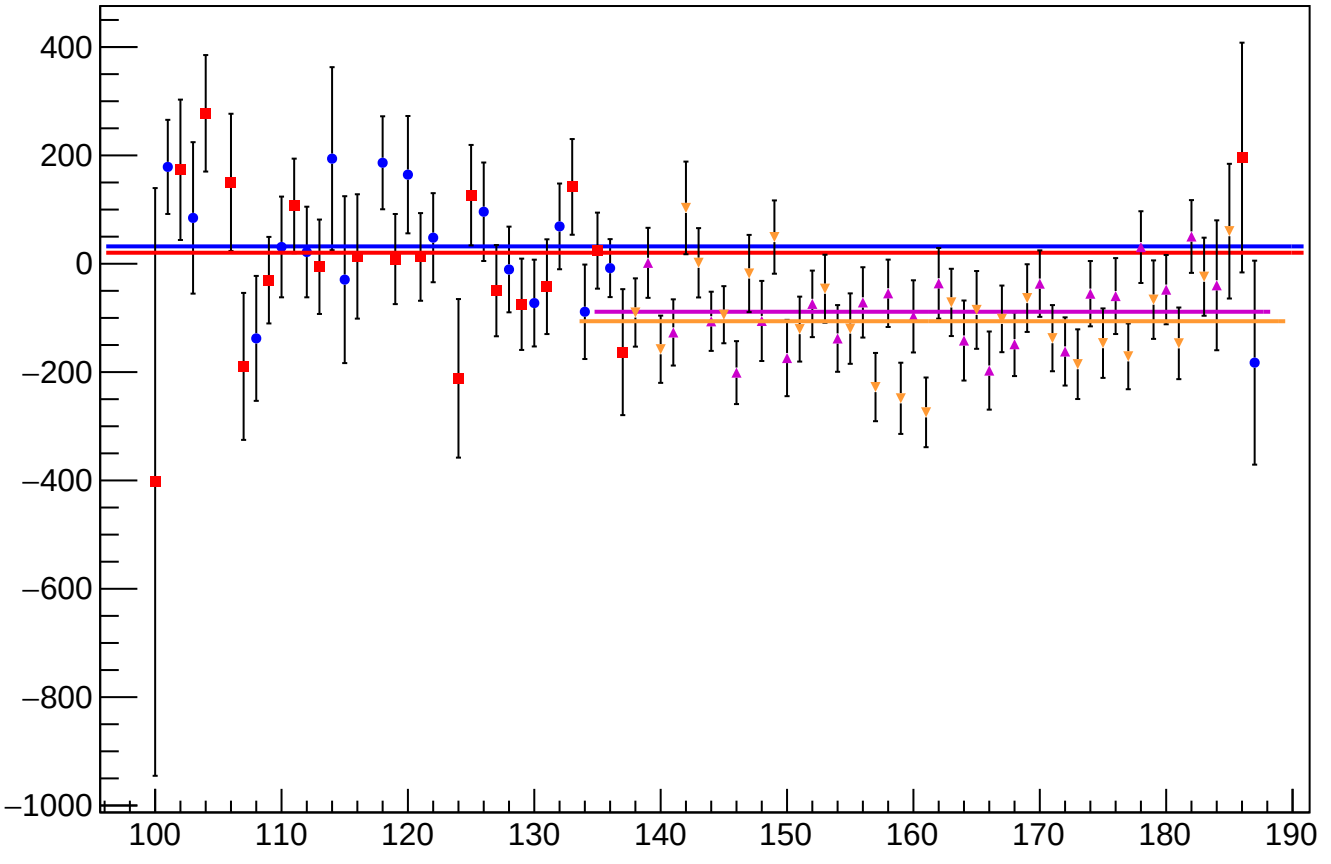
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 478.602+/-0.091 χ^2/NDF: 2672209.0/36

In: 358.020+/-0.051 χ^2/NDF:2500373.9/39

Out: 358.553+/-0.050 χ^2/NDF:3193430.8/44

All: 358.292+/-0.036 χ^2/NDF: 5693859.9/84



Right In: 32.050+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 20.333+/-22.021 χ^2/NDF: 24.1/19

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

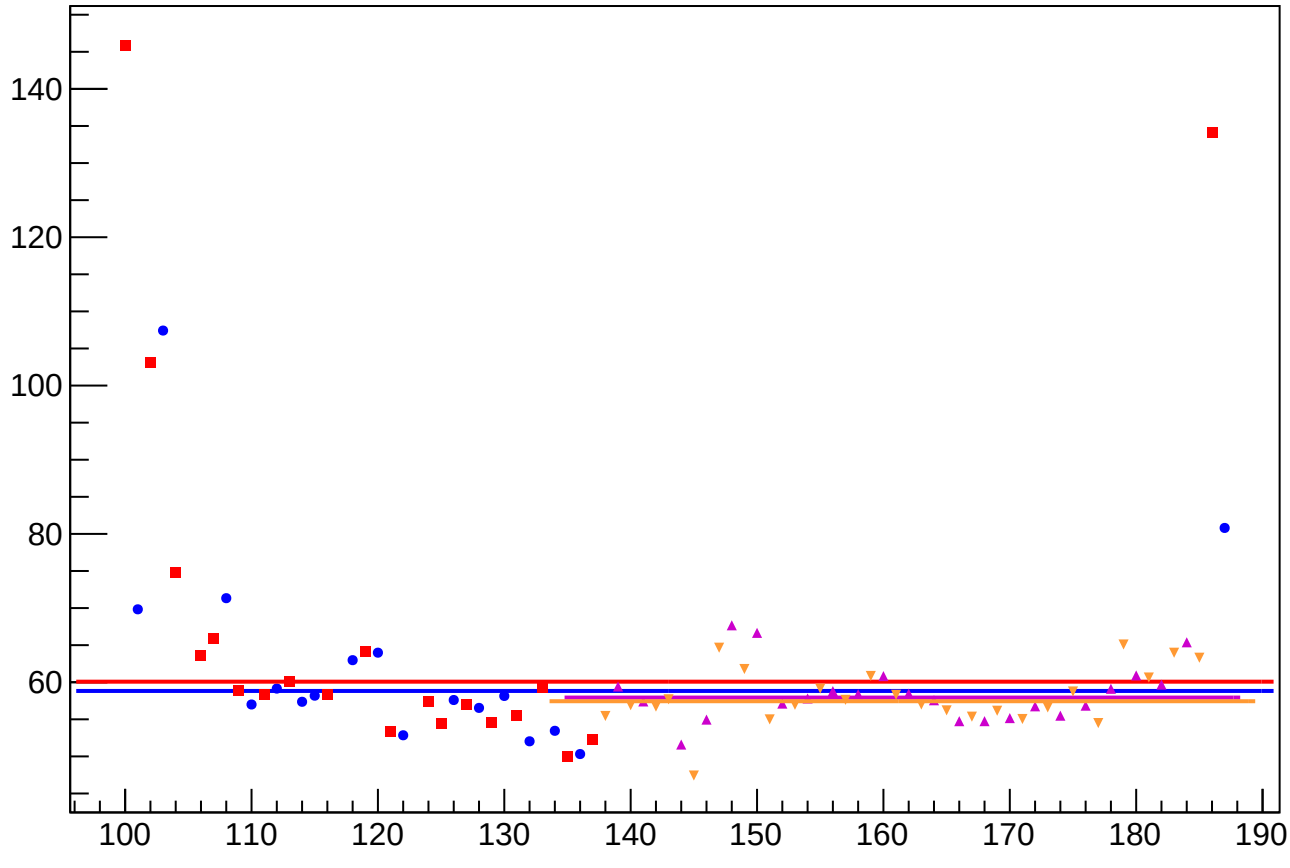
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 26.202+/-15.558 χ^2/NDF: 41.7/36

In: -55.340+/-11.545 χ^2/NDF:63.2/39

Out: -73.093+/-11.252 χ^2/NDF:89.1/44

All: -64.445+/-8.058 χ^2/NDF: 153.5/84



Right In: 58.825+/-0.016 χ^2/NDF: 420381.1/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 60.076+/-0.016 χ^2/NDF: 651810.6/19

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

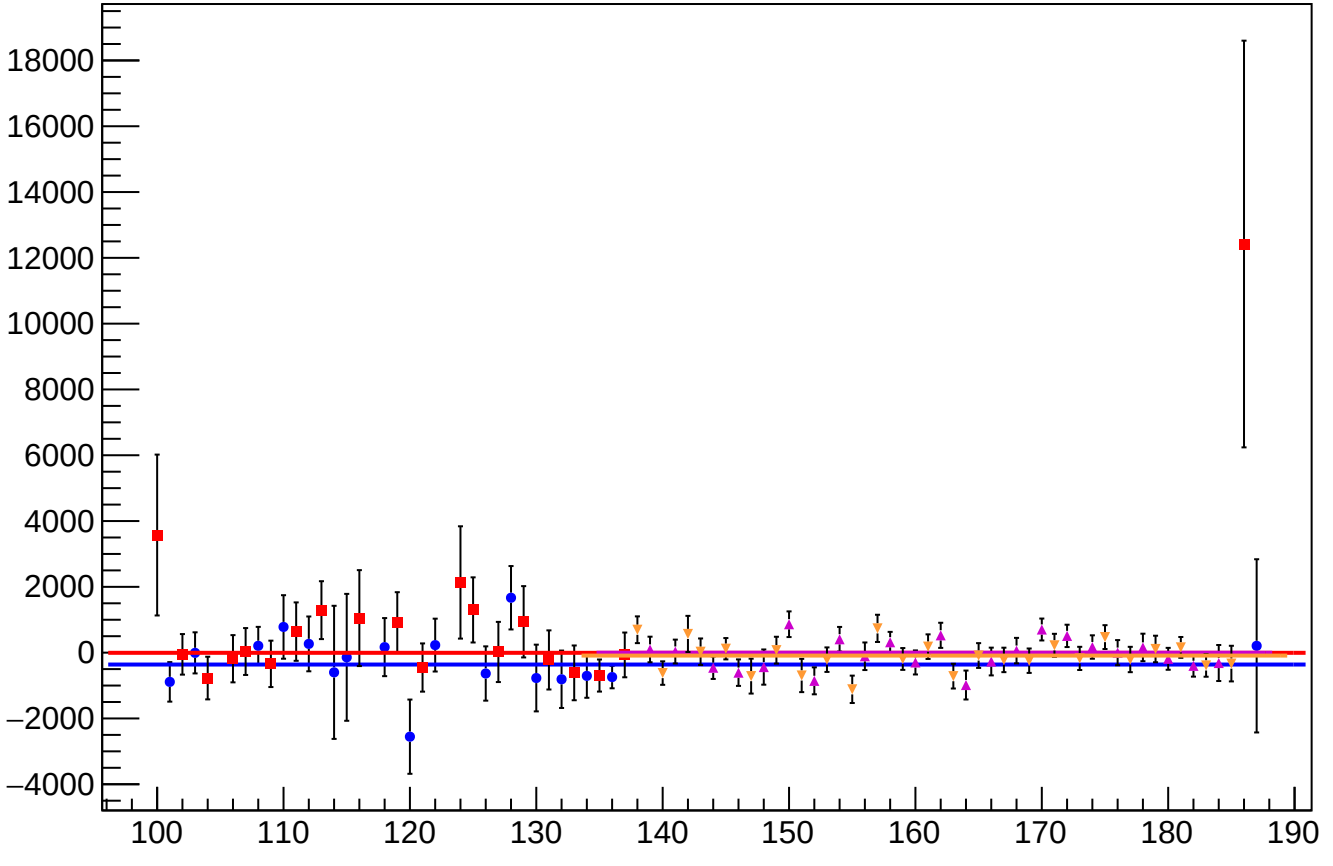
Right: 59.450+/-0.011 χ^2/NDF: 1075423.0/36

In: 58.179+/-0.008 χ^2/NDF:558672.9/39

Out: 58.128+/-0.008 χ^2/NDF:847541.5/44

All: 58.153+/-0.006 χ^2/NDF: 1406234.1/84

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -361.366+/-180.178 χ^2/NDF: 15.3/16

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -5.117+/-183.569 χ^2/NDF: 19.2/19

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

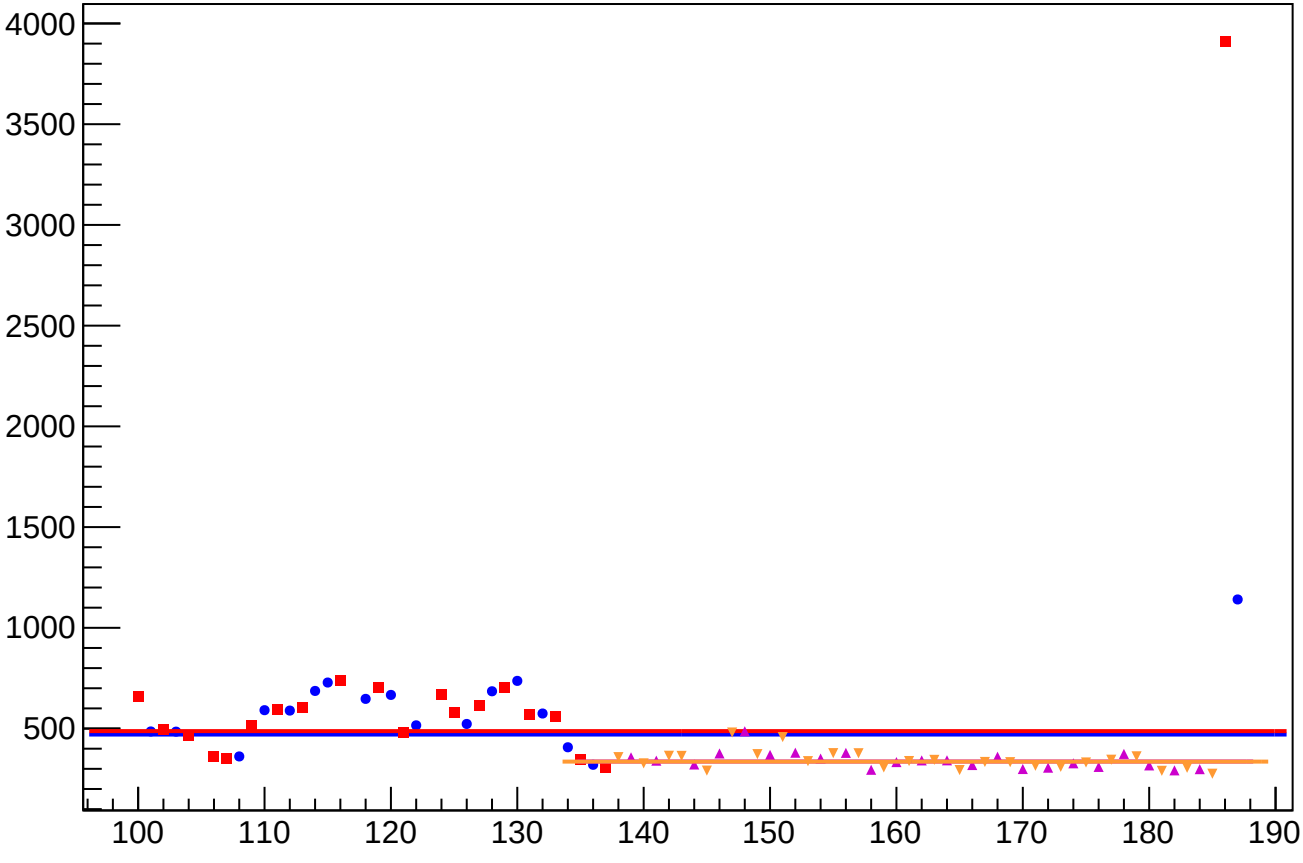
Right: -186.563+/-128.587 χ^2/NDF: 36.4/36

In: -61.061+/-72.499 χ^2/NDF:52.2/39

Out: -76.498+/-71.015 χ^2/NDF:49.3/44

All: -68.939+/-50.732 χ^2/NDF: 101.5/84

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 470.227+/-0.127 χ^2/NDF: 1160671.5/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 487.296+/-0.130 χ^2/NDF: 1502730.5/19

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

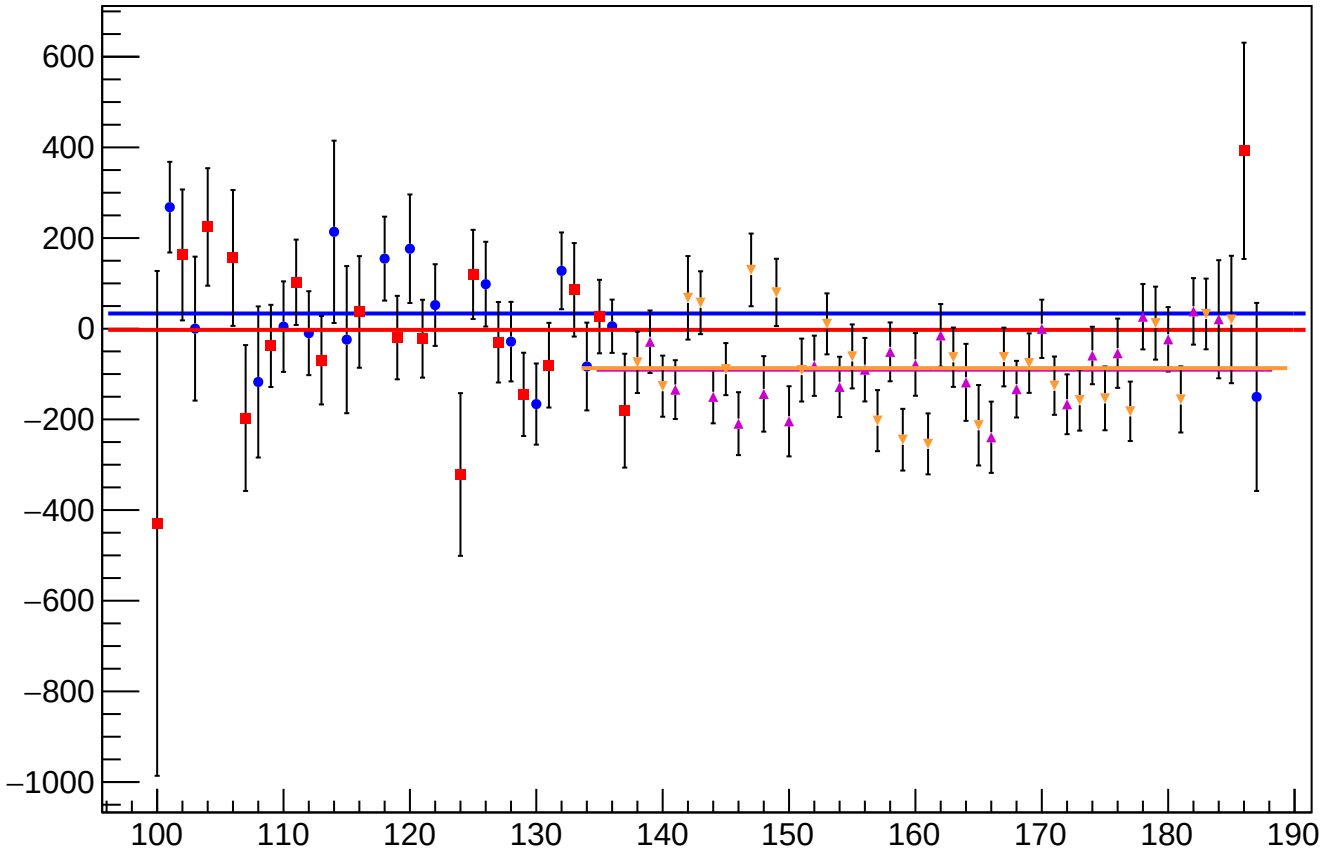
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 478.602+/-0.091 χ^2/NDF: 2672209.0/36

In: 358.020+/-0.051 χ^2/NDF:2500373.9/39

Out: 358.553+/-0.050 χ^2/NDF:3193430.8/44

All: 358.292+/-0.036 χ^2/NDF: 5693859.9/84



Right In: 33.595+/-24.303 χ^2/NDF: 20.4/16

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -2.545+/-24.436 χ^2/NDF: 23.1/19

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

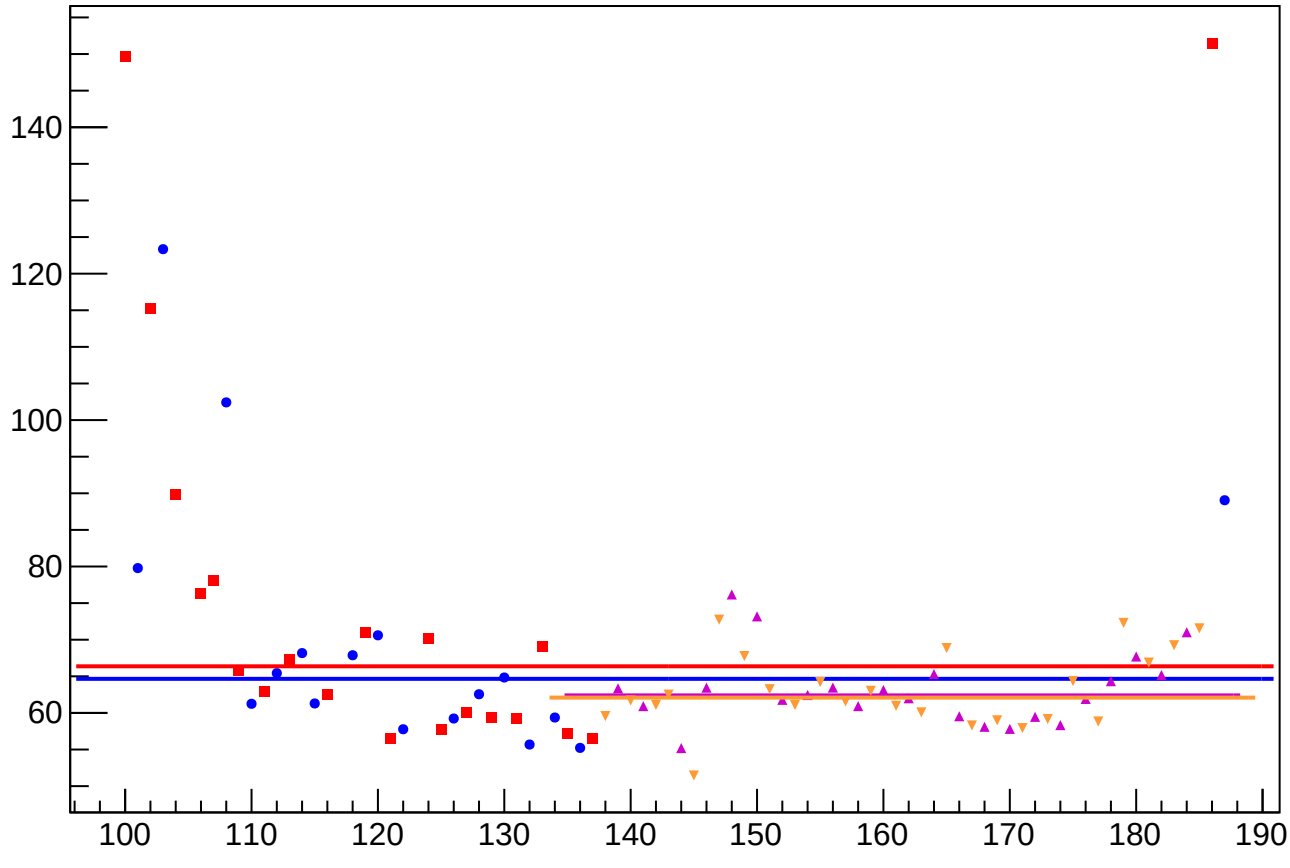
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 15.624+/-17.231 χ^2/NDF: 44.7/36

In: -57.303+/-12.551 χ^2/NDF:64.6/39

Out: -65.705+/-12.261 χ^2/NDF:80.9/44

All: -61.602+/-8.770 χ^2/NDF: 145.7/84



Right In: 64.656+/-0.017 χ^2/NDF: 560117.8/16

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 66.368+/-0.017 χ^2/NDF: 739115.3/19

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

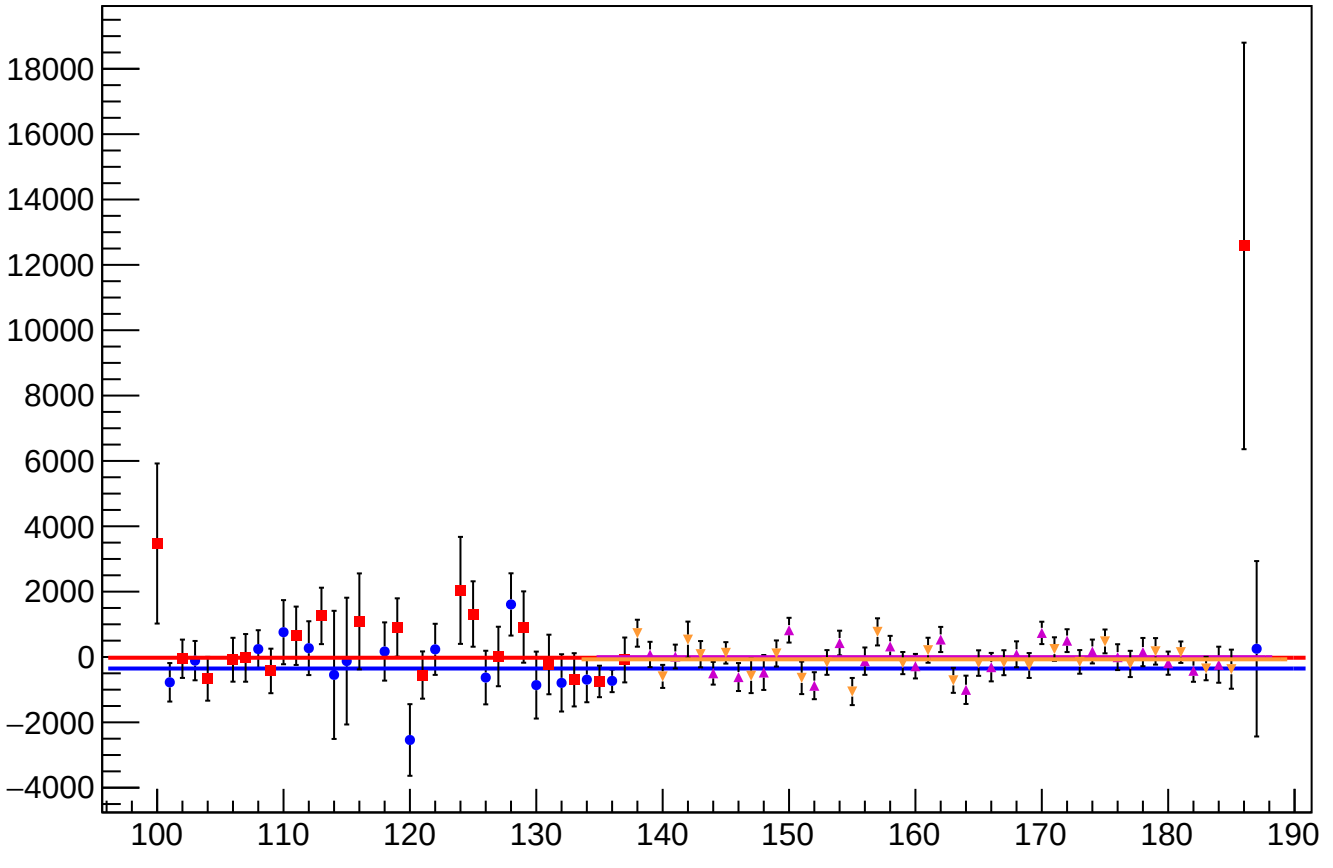
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 65.507+/-0.012 χ^2/NDF: 1304167.5/36

In: 62.998+/-0.009 χ^2/NDF:761623.3/39

Out: 63.169+/-0.009 χ^2/NDF:1018250.7/44

All: 63.086+/-0.006 χ^2/NDF: 1780064.7/84



Right In: -352.803+/-179.929 χ^2/NDF: 14.8/16

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -23.050+/-181.483 χ^2/NDF: 19.5/19

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

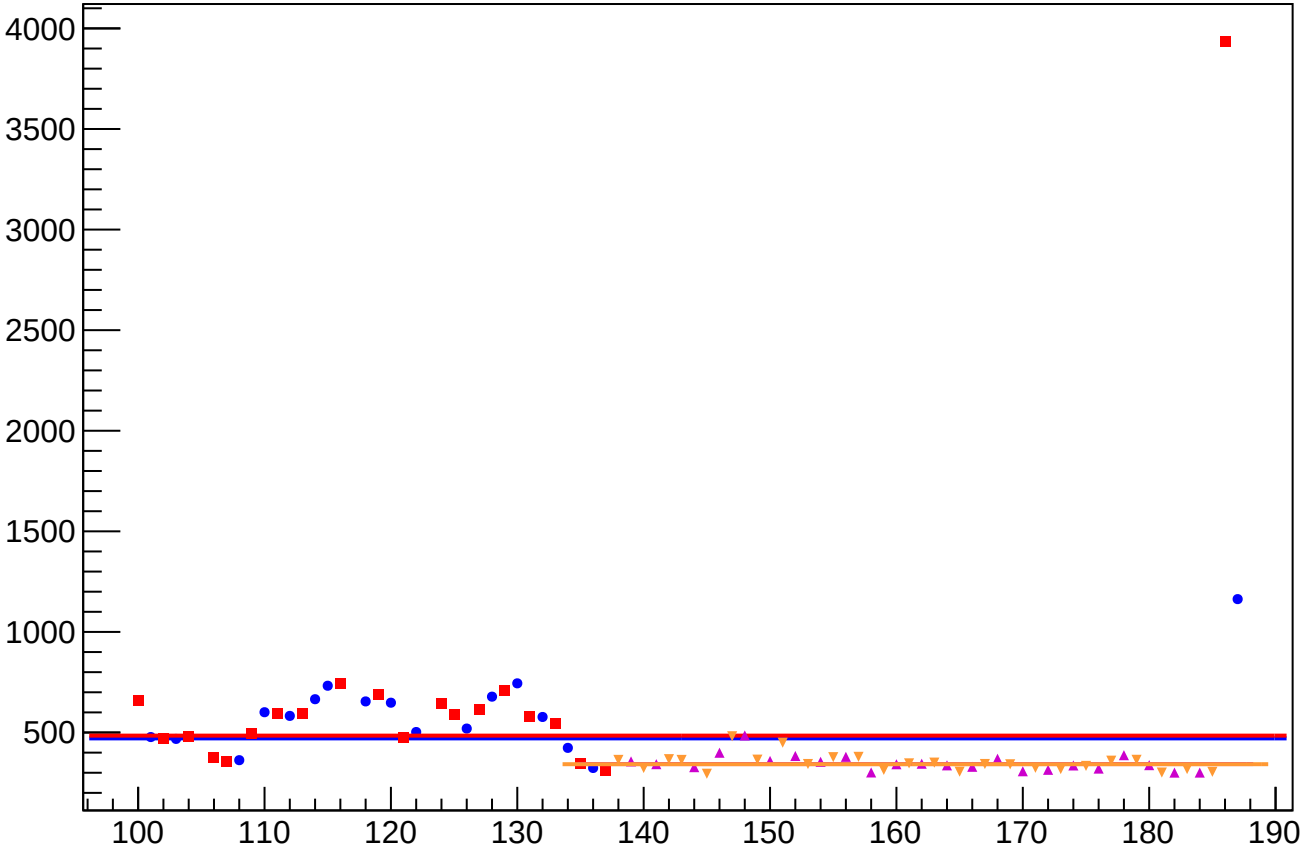
Right: -189.344+/-127.775 χ^2/NDF: 36.0/36

In: -64.263+/-73.679 χ^2/NDF:51.9/39

Out: -63.732+/-71.971 χ^2/NDF:48.1/44

All: -63.992+/-51.484 χ^2/NDF: 100.1/84

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 470.799+/-0.127 χ^2/NDF: 1119595.5/16

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 484.539+/-0.128 χ^2/NDF: 1470062.4/19

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

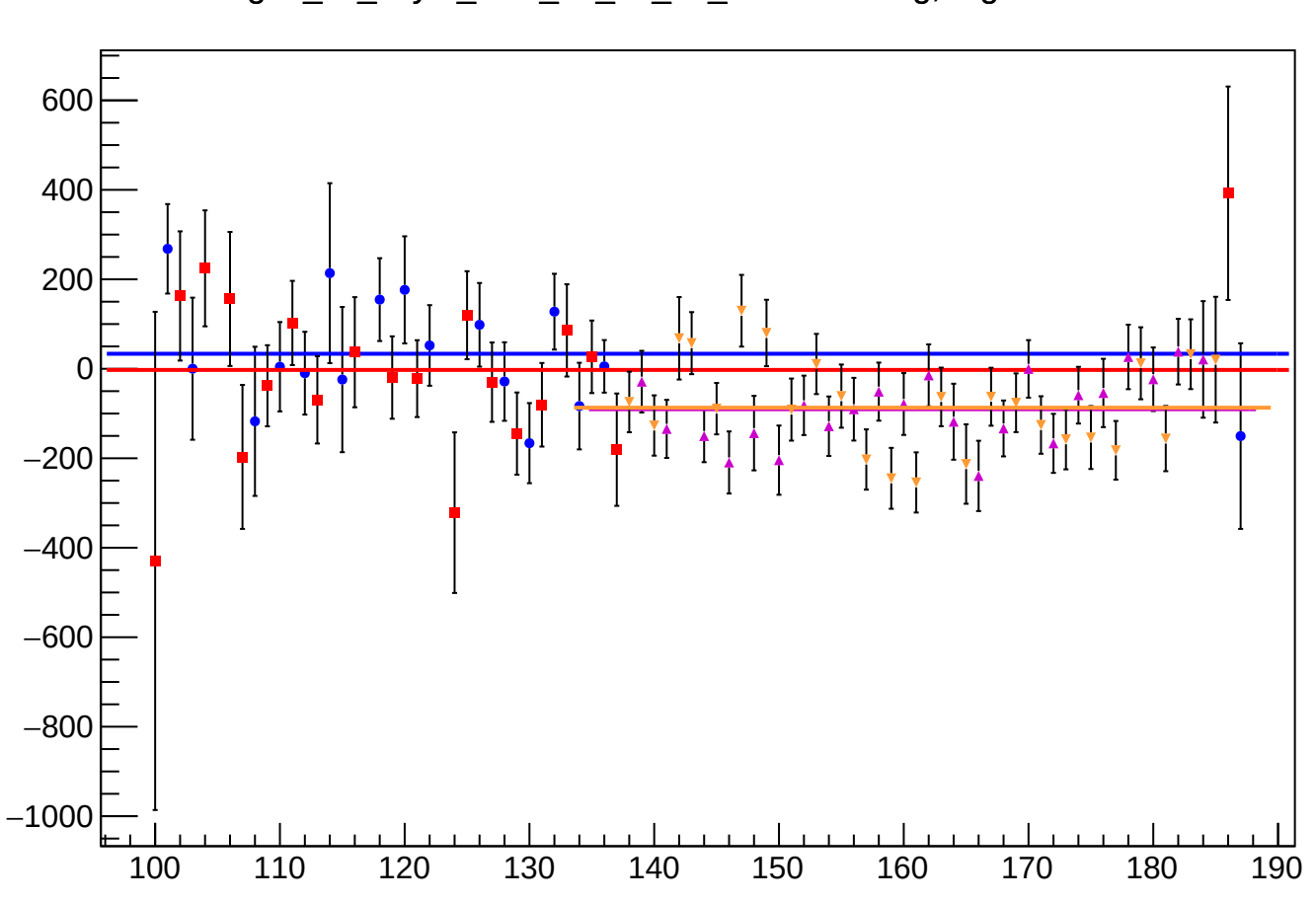
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 477.610+/-0.090 χ^2/NDF: 2595438.5/36

In: 364.633+/-0.052 χ^2/NDF:2329172.7/39

Out: 364.840+/-0.051 χ^2/NDF:2936661.7/44

All: 364.739+/-0.036 χ^2/NDF: 5265842.5/84



Right In: 33.596+/-24.303 χ^2/NDF: 20.4/16

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -2.546+/-24.436 χ^2/NDF: 23.1/19

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

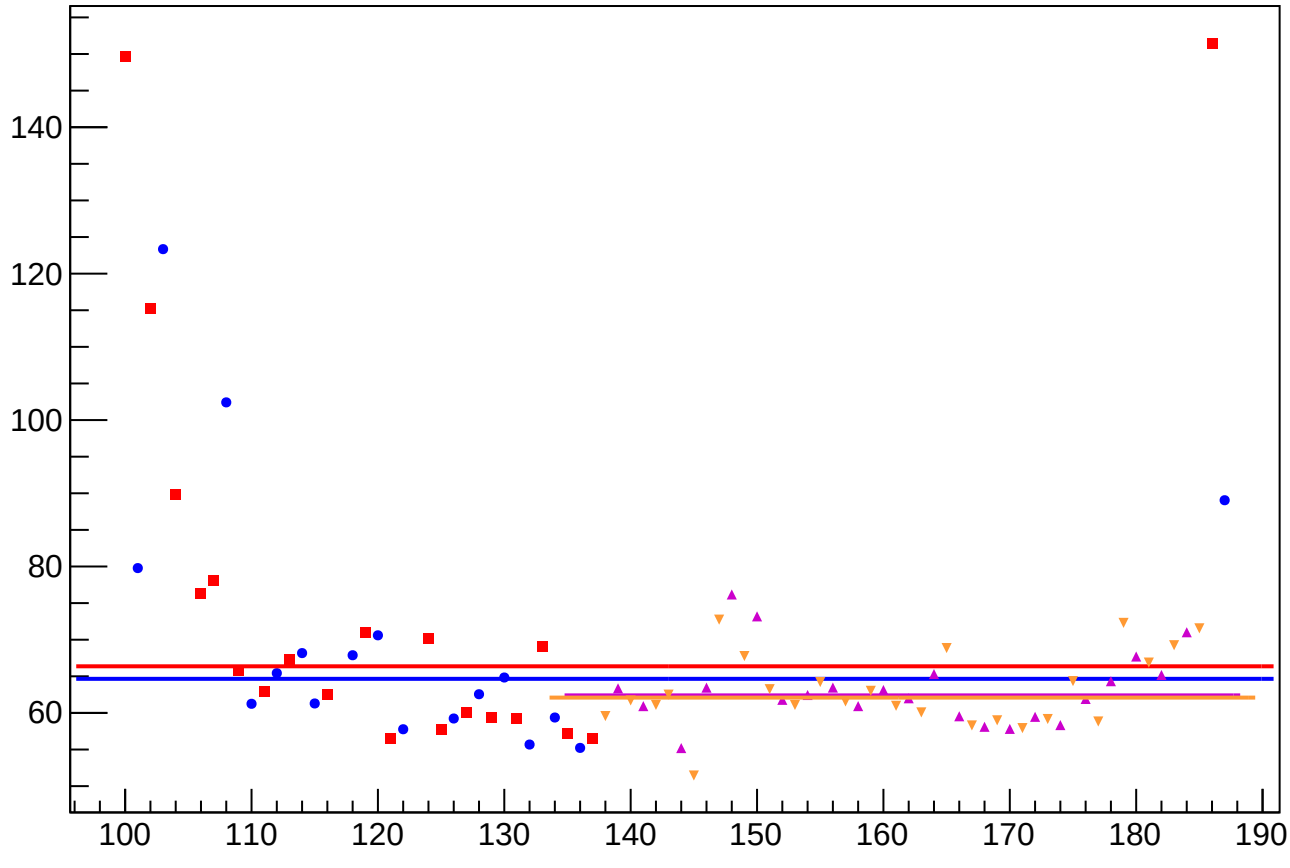
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 15.624+/-17.231 χ^2/NDF: 44.7/36

In: -57.303+/-12.551 χ^2/NDF:64.6/39

Out: -65.704+/-12.261 χ^2/NDF:80.9/44

All: -61.602+/-8.770 χ^2/NDF: 145.7/84



Right In: 64.656+/-0.017 χ^2/NDF: 560126.9/16

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 66.368+/-0.017 χ^2/NDF: 739110.5/19

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

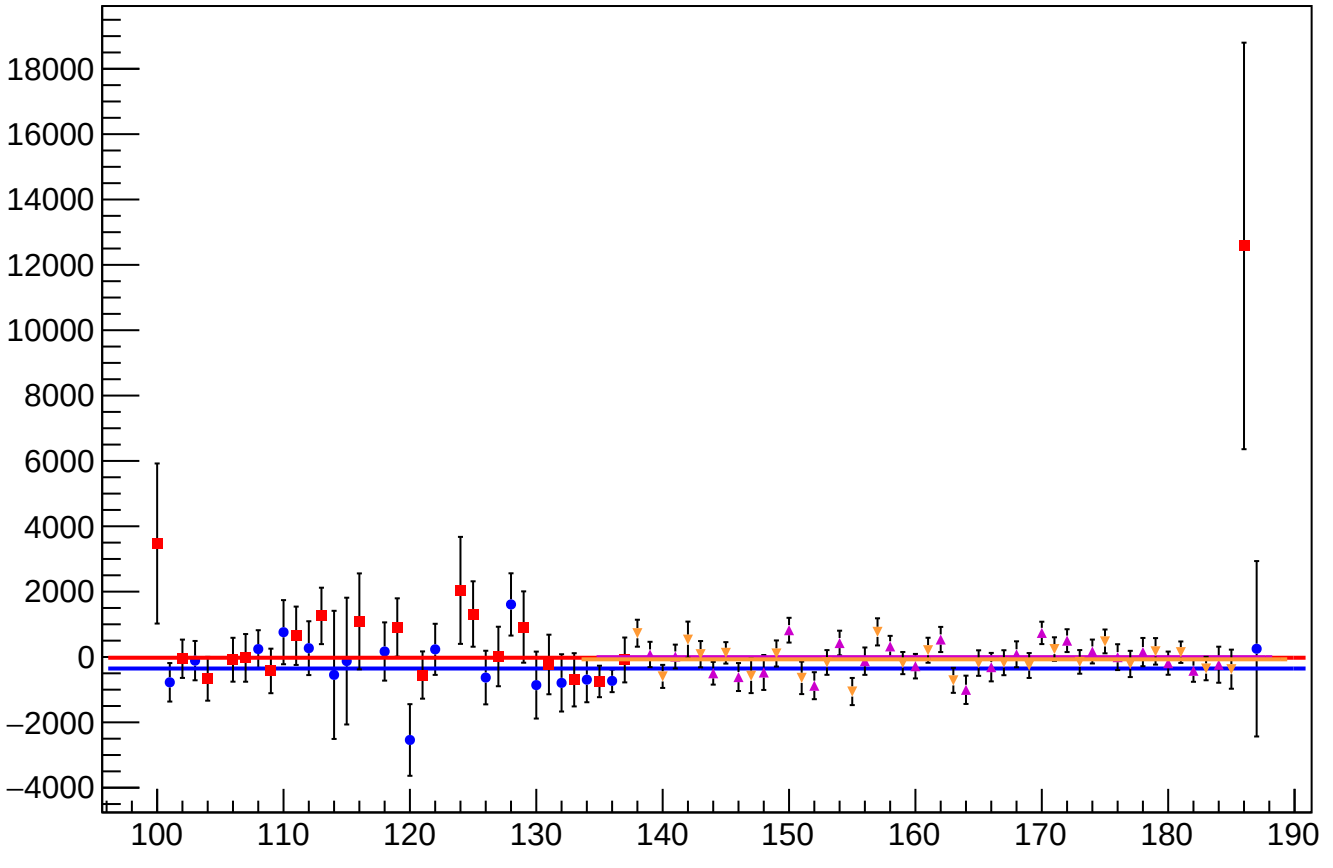
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 65.507+/-0.012 χ^2/NDF: 1304171.9/36

In: 62.998+/-0.009 χ^2/NDF:761634.0/39

Out: 63.169+/-0.009 χ^2/NDF:1018248.0/44

All: 63.086+/-0.006 χ^2/NDF: 1780072.6/84



Right In: -352.802+/-179.929 χ^2/NDF: 14.8/16

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -23.050+/-181.483 χ^2/NDF: 19.5/19

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

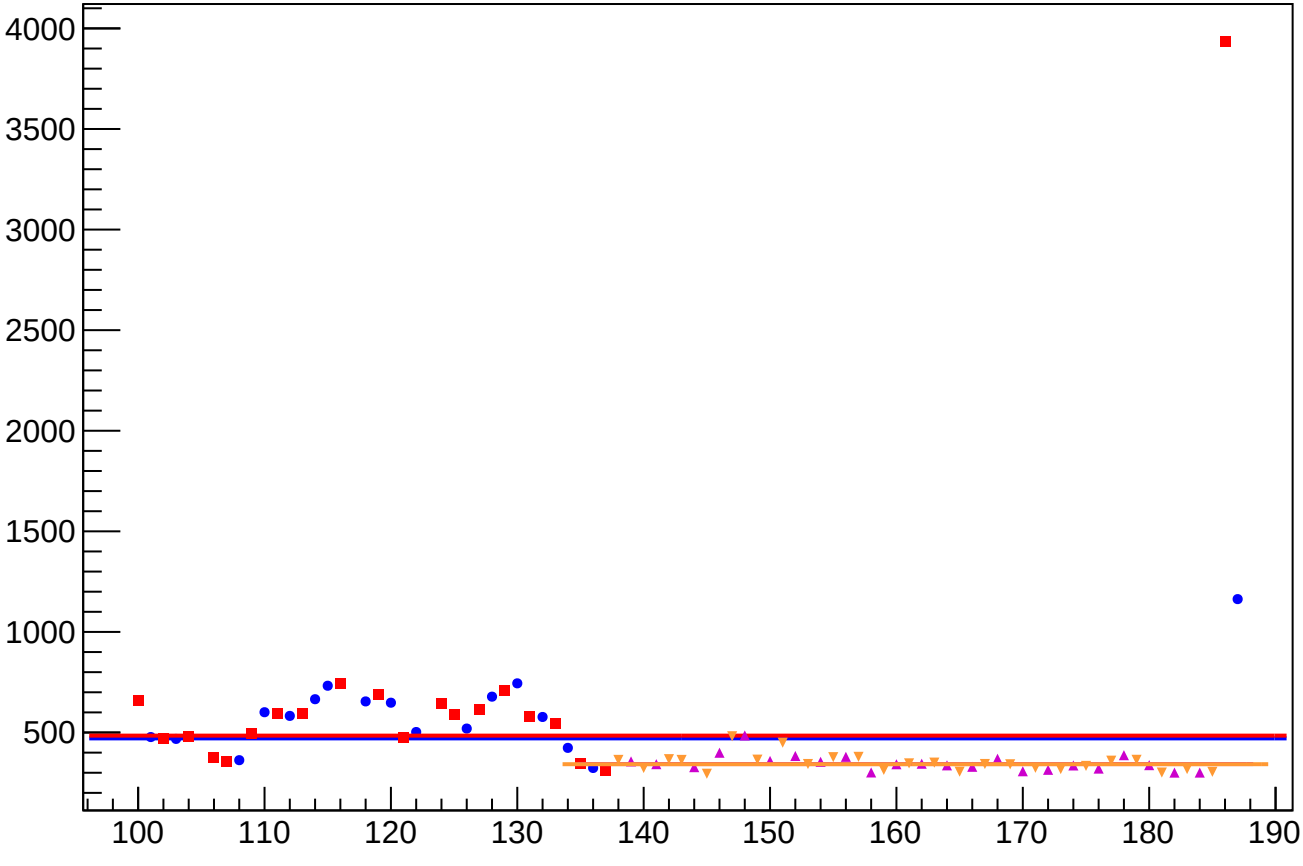
Right: -189.344+/-127.775 χ^2/NDF: 36.0/36

In: -64.264+/-73.679 χ^2/NDF:51.9/39

Out: -63.732+/-71.971 χ^2/NDF:48.1/44

All: -63.992+/-51.484 χ^2/NDF: 100.1/84

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 470.799+/-0.127 χ^2/NDF: 1119597.2/16

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 484.538+/-0.128 χ^2/NDF: 1470061.8/19

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

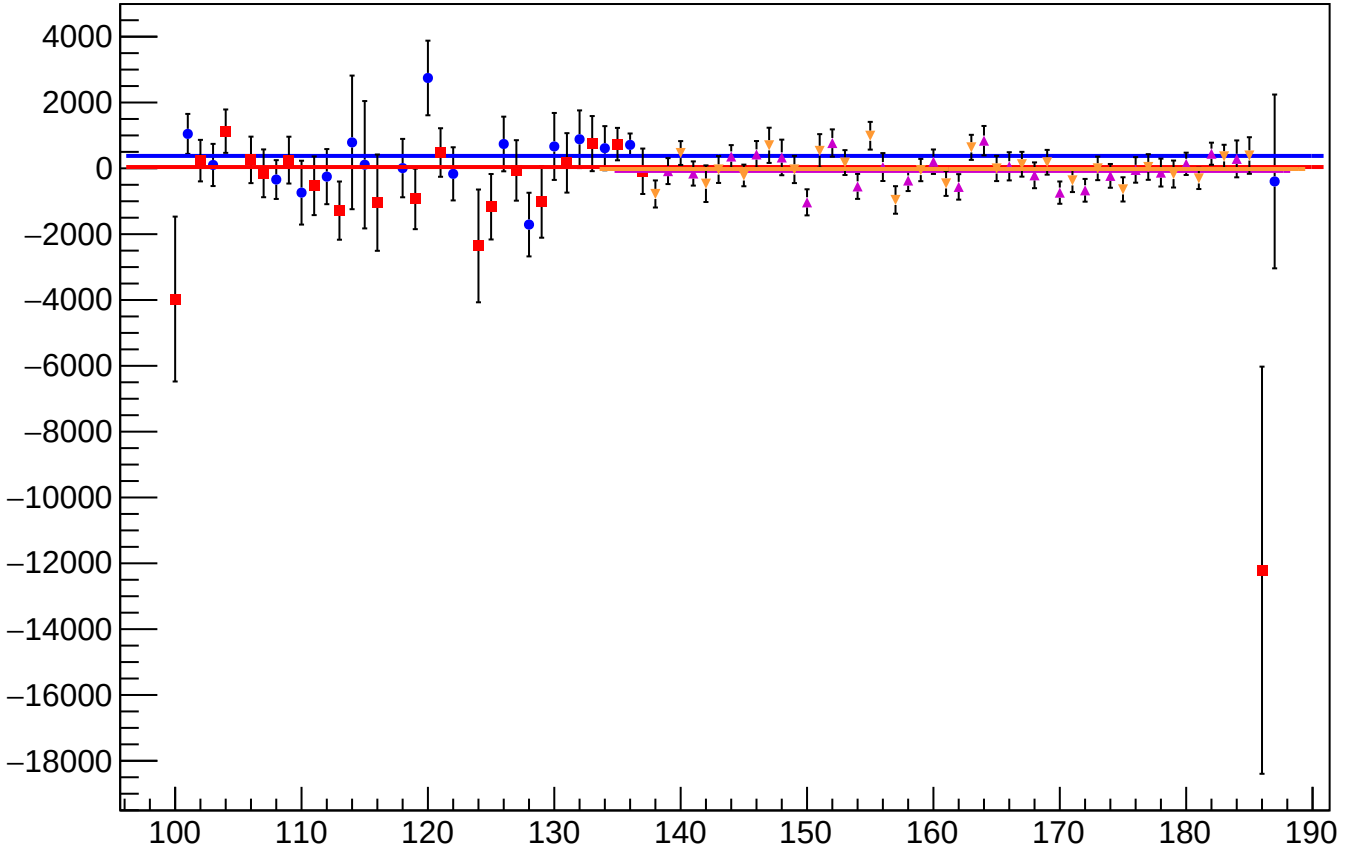
Right: 477.609+/-0.090 χ^2/NDF: 2595439.5/36

In: 364.633+/-0.052 χ^2/NDF:2329168.5/39

Out: 364.840+/-0.051 χ^2/NDF:2936654.5/44

All: 364.739+/-0.036 χ^2/NDF: 5265831.1/84

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 377.375+/-182.220 χ^2/NDF: 16.2/16

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 39.402+/-185.179 χ^2/NDF: 21.4/19

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

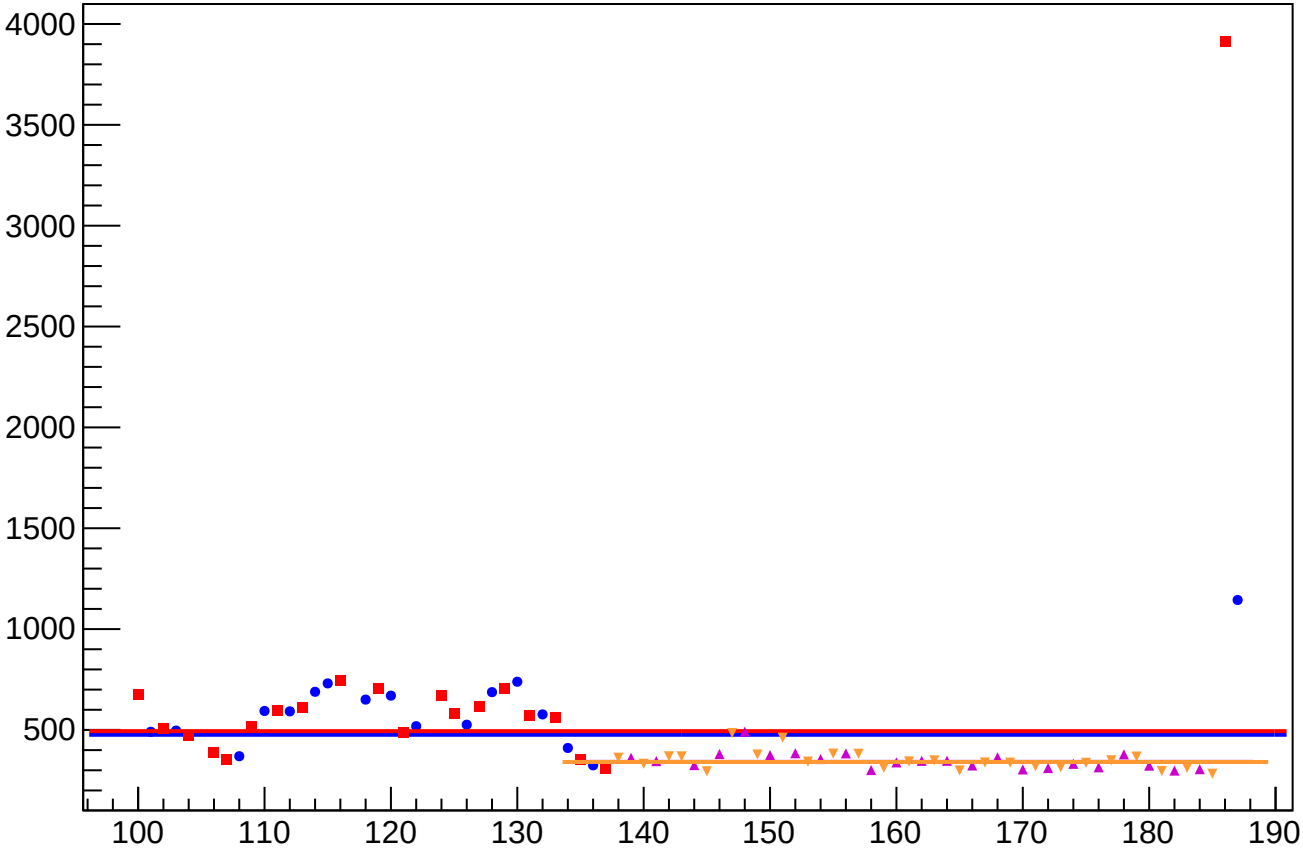
Right: 211.110+/-129.882 χ^2/NDF: 39.3/36

In: -4.381+/-73.566 χ^2/NDF:54.4/39

Out: -11.242+/-72.037 χ^2/NDF:52.9/44

All: -7.883+/-51.470 χ^2/NDF: 107.3/84

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 476.122+/-0.129 χ^2/NDF: 1128961.5/16

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 494.130+/-0.131 χ^2/NDF: 1459128.0/19

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

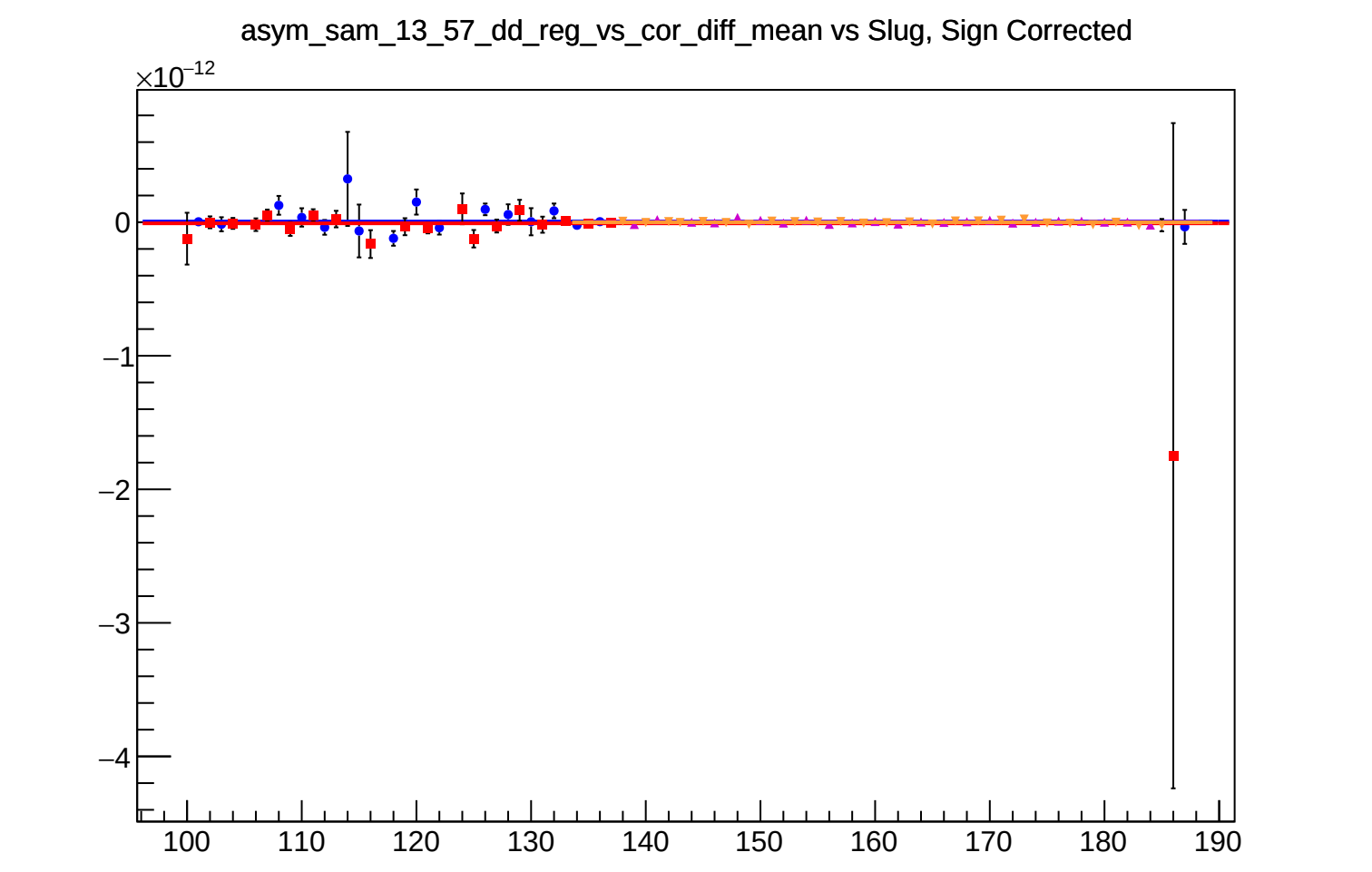
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 484.981+/-0.092 χ^2/NDF: 2597699.0/36

In: 363.544+/-0.052 χ^2/NDF:2437880.5/39

Out: 364.342+/-0.051 χ^2/NDF:3127635.8/44

All: 363.952+/-0.036 χ^2/NDF: 5565636.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/19

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

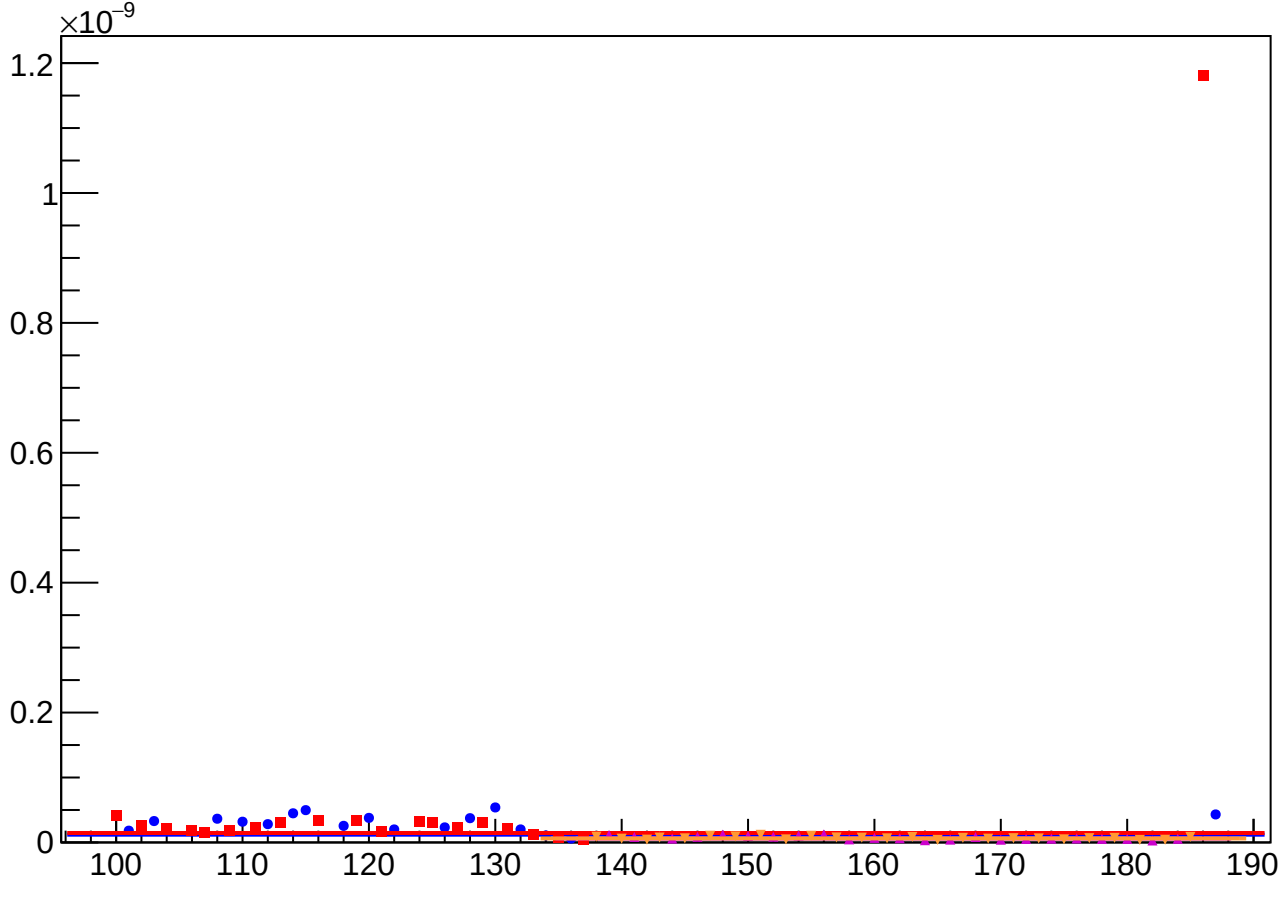
Right: -0.000+/-0.000 χ^2/NDF: 37.0/36

In: 0.000+/-0.000 χ^2/NDF:35.7/39

Out: -0.000+/-0.000 χ^2/NDF:34.3/44

All: 0.000+/-0.000 χ^2/NDF: 71.2/84

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2968847.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2208468.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

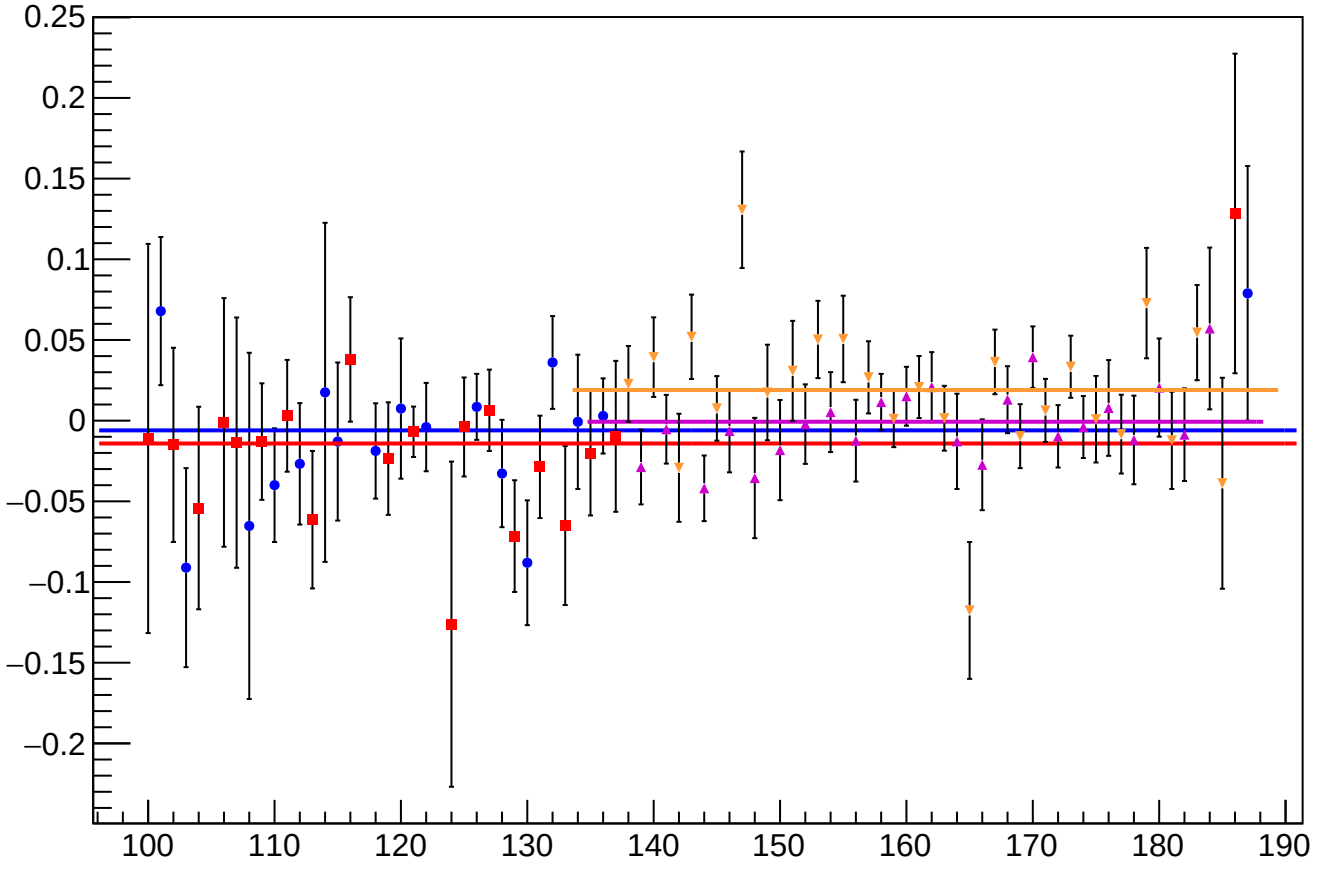
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5264851.4/36

In: 0.000+/-0.000 χ^2/NDF:5620617.2/39

Out: 0.000+/-0.000 χ^2/NDF:4893713.3/44

All: 0.000+/-0.000 χ^2/NDF: 10519333.2/84



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

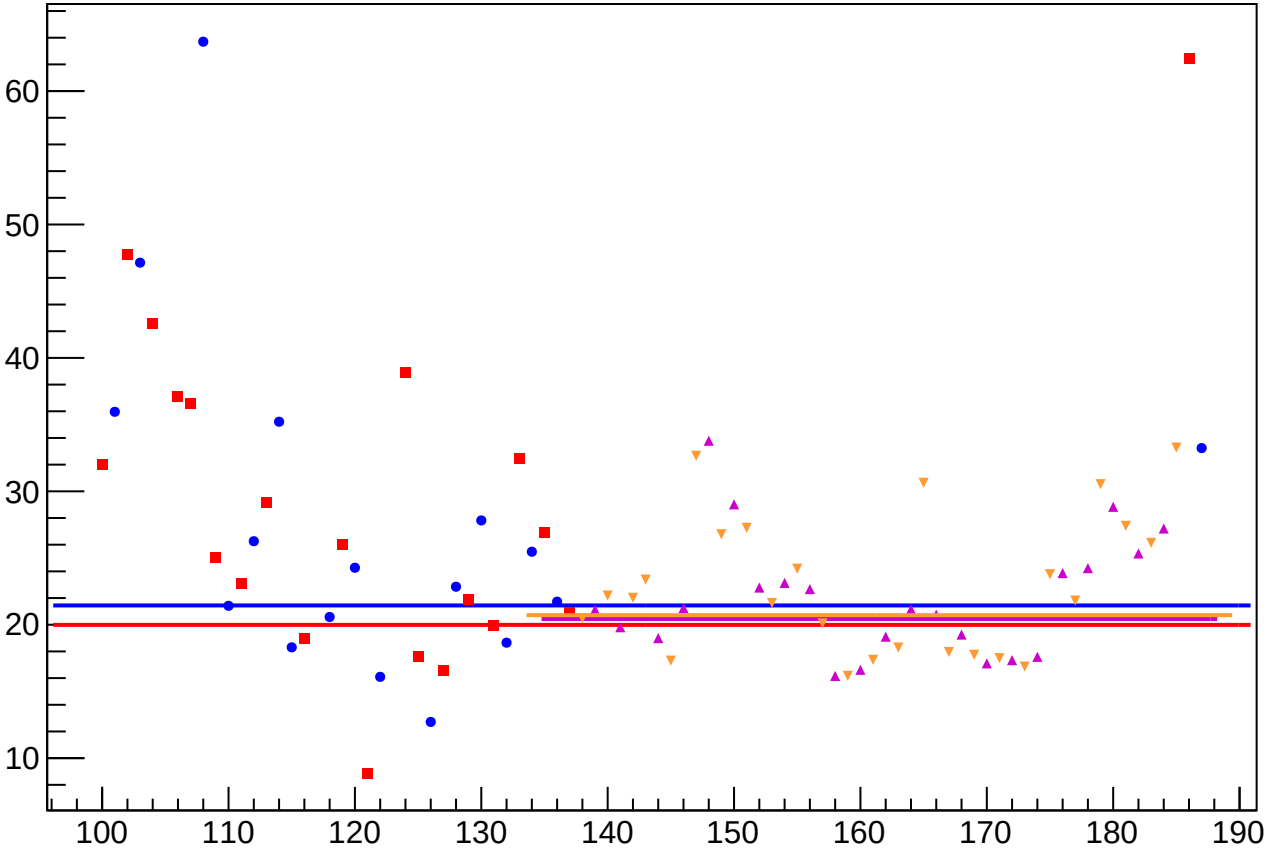
Right: -0.010+/-0.006 χ^2/NDF: 28.1/36

In: -0.002+/-0.004 χ^2/NDF:33.5/39

Out: 0.010+/-0.004 χ^2/NDF:65.4/44

All: 0.004+/-0.003 χ^2/NDF: 103.1/84

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.446+/-0.006 χ^2/NDF: 1524618.2/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 19.990+/-0.006 χ^2/NDF: 2808759.1/19

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

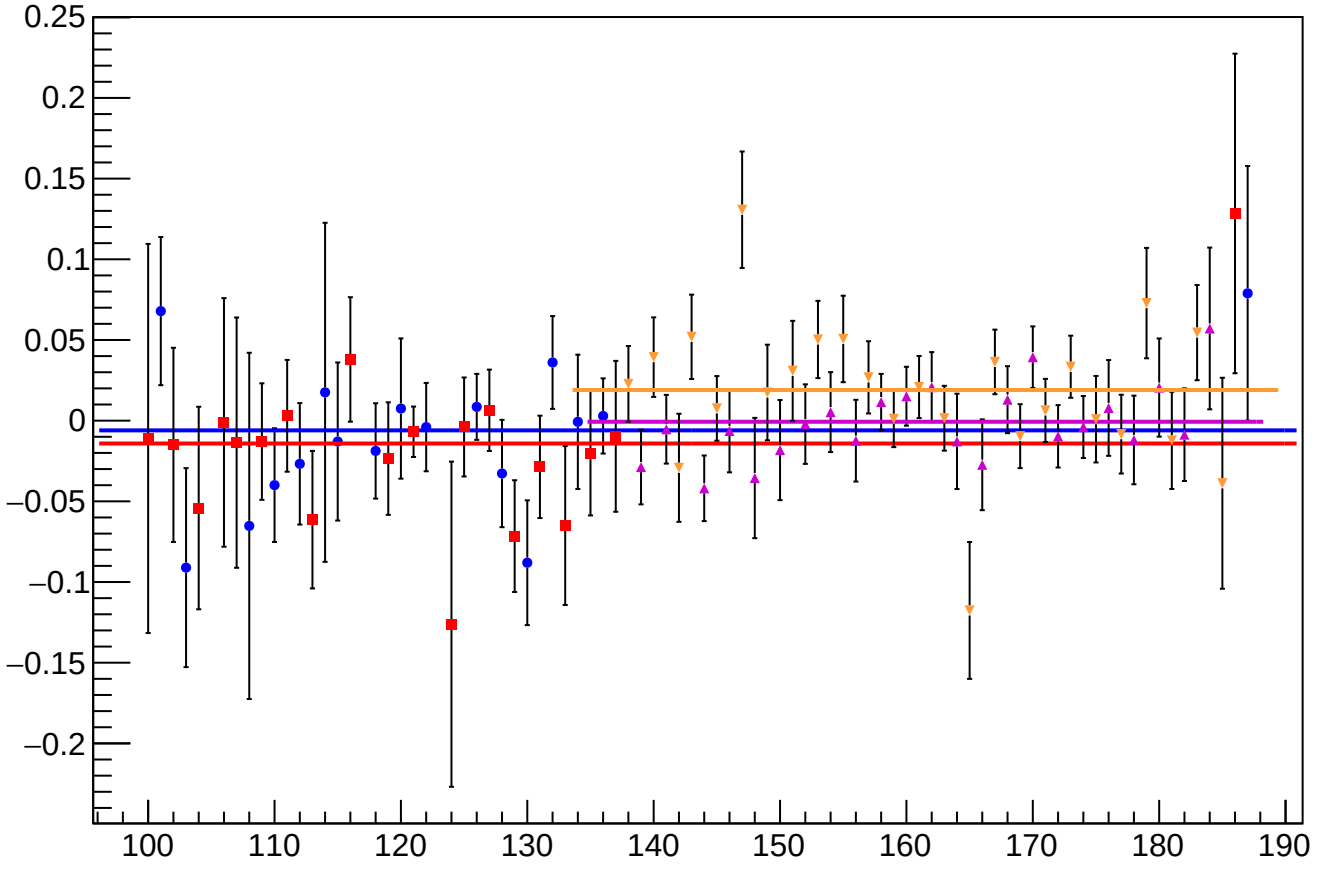
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.685+/-0.004 χ^2/NDF: 4363541.3/36

In: 20.682+/-0.003 χ^2/NDF:2719723.1/39

Out: 20.528+/-0.003 χ^2/NDF:4326804.6/44

All: 20.603+/-0.002 χ^2/NDF: 7047855.8/84



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

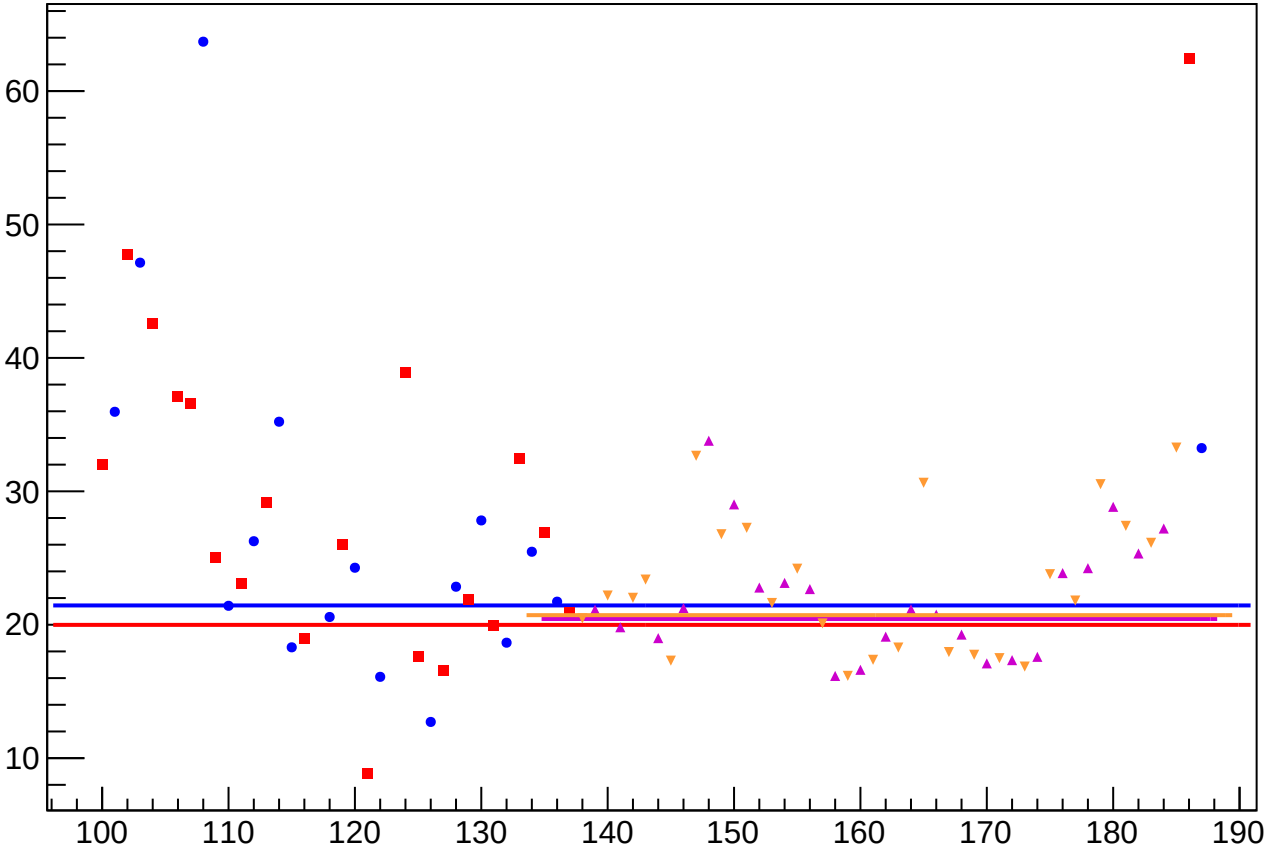
Right: -0.010+/-0.006 χ^2/NDF: 28.1/36

In: -0.002+/-0.004 χ^2/NDF:33.5/39

Out: 0.010+/-0.004 χ^2/NDF:65.4/44

All: 0.004+/-0.003 χ^2/NDF: 103.1/84

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.446+/-0.006 χ^2/NDF: 1524618.2/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 19.990+/-0.006 χ^2/NDF: 2808759.1/19

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

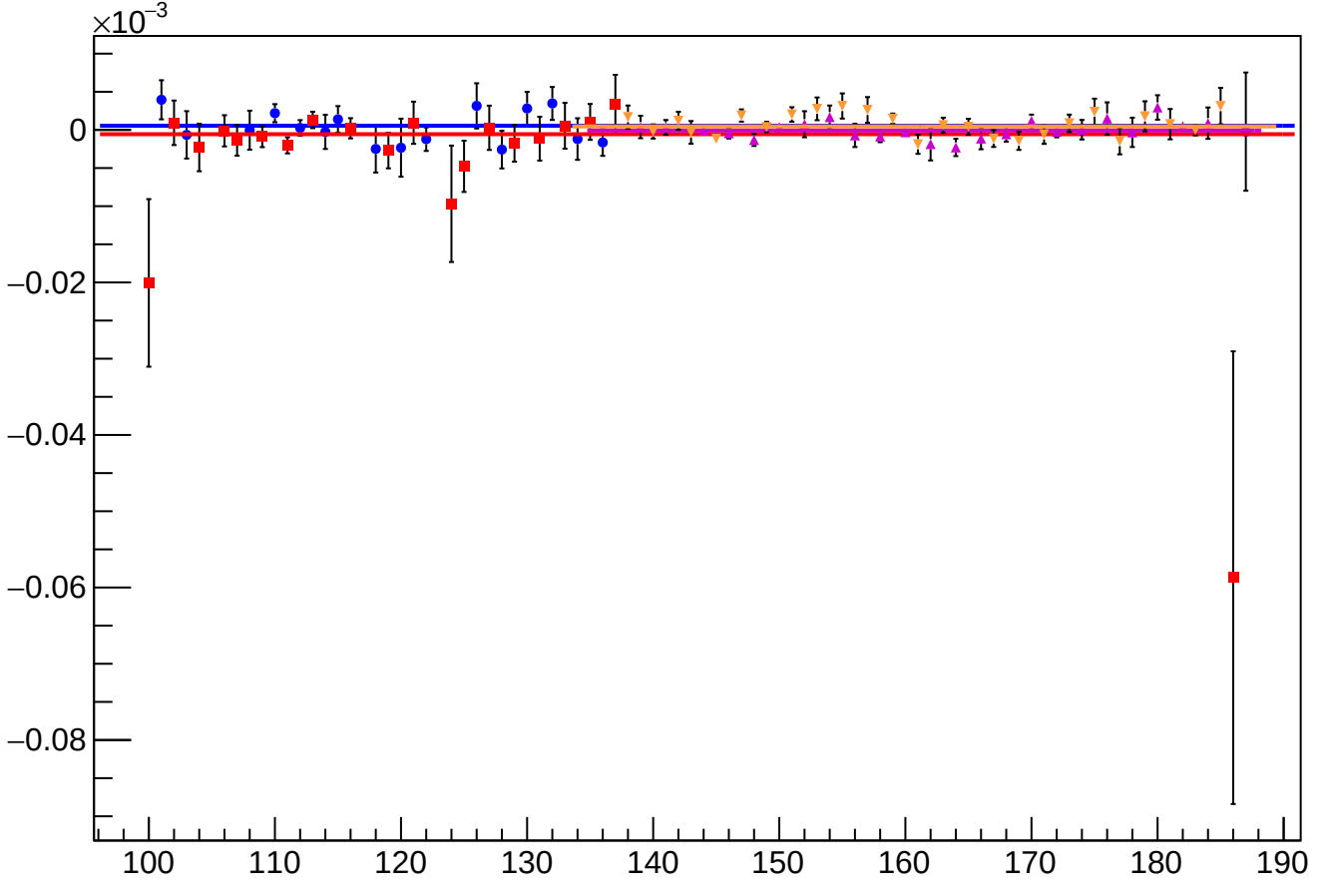
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.685+/-0.004 χ^2/NDF: 4363541.3/36

In: 20.682+/-0.003 χ^2/NDF:2719723.1/39

Out: 20.528+/-0.003 χ^2/NDF:4326804.6/44

All: 20.603+/-0.002 χ^2/NDF: 7047855.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/19

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

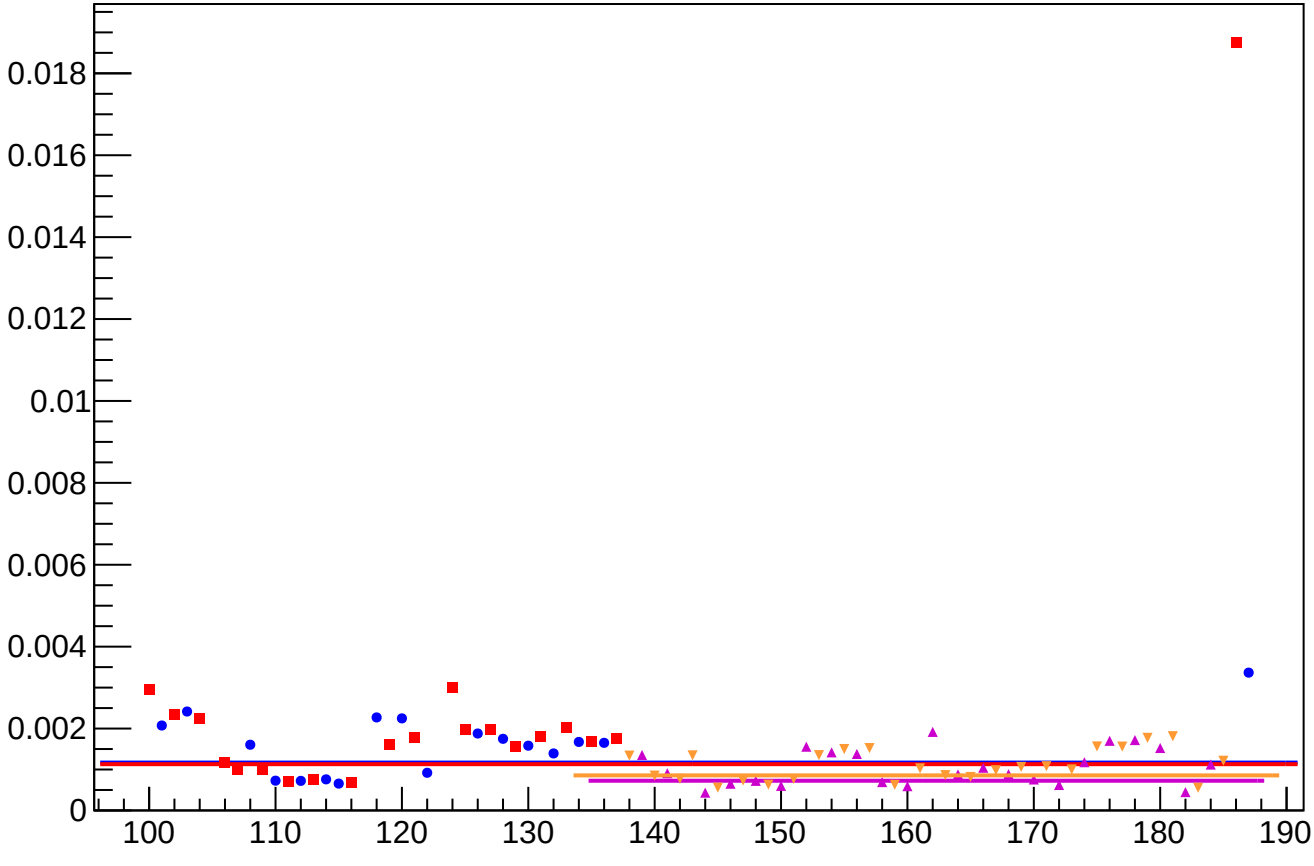
Right: -0.000+/-0.000 χ^2/NDF: 36.4/36

In: 0.000+/-0.000 χ^2/NDF:35.5/39

Out: 0.000+/-0.000 χ^2/NDF:60.0/44

All: 0.000+/-0.000 χ^2/NDF: 96.6/84

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2695843.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3329595.4/19

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

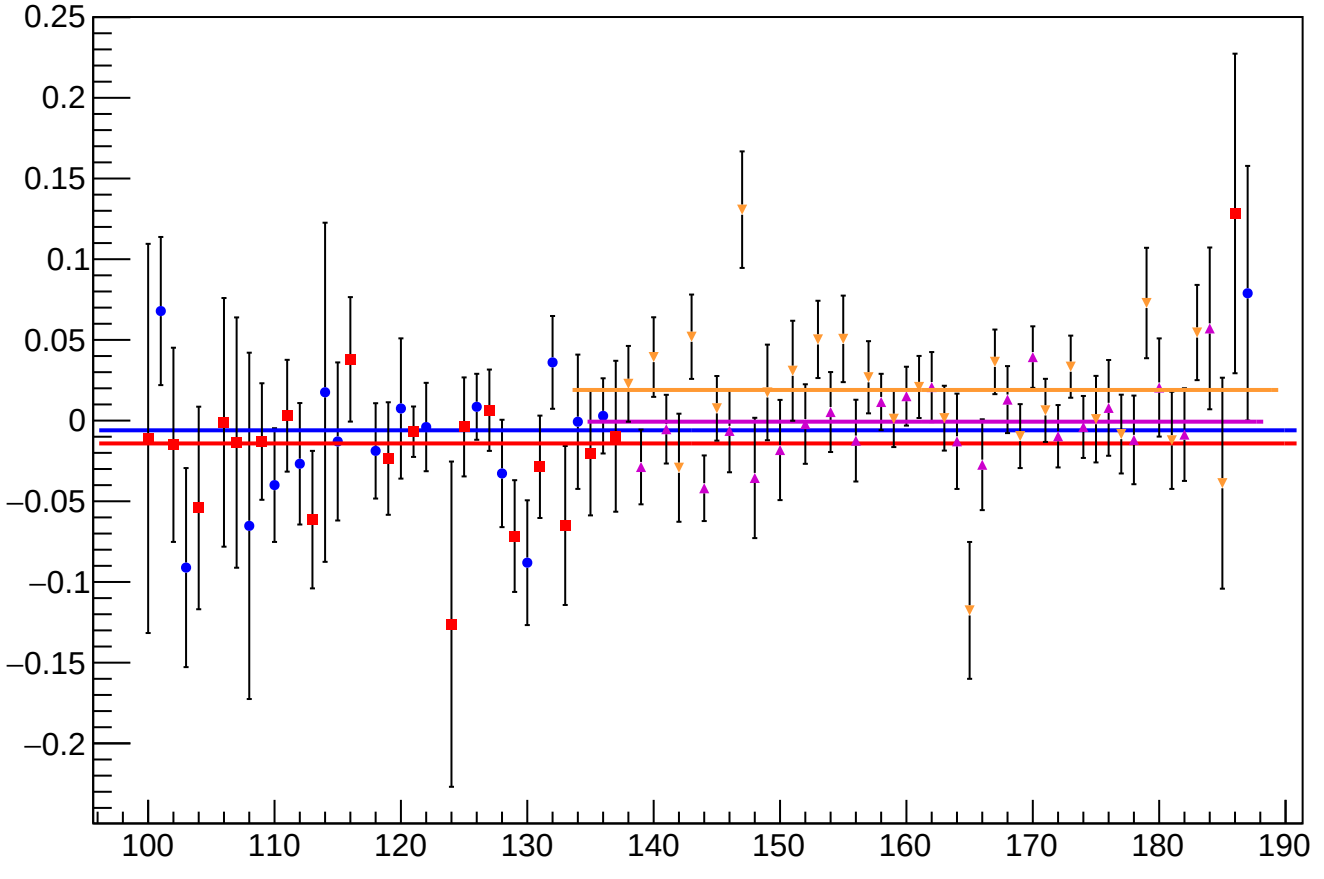
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 6032379.8/36

In: 0.001+/-0.000 χ^2/NDF:9995075.5/39

Out: 0.001+/-0.000 χ^2/NDF:8356436.9/44

All: 0.001+/-0.000 χ^2/NDF: 18777904.9/84



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

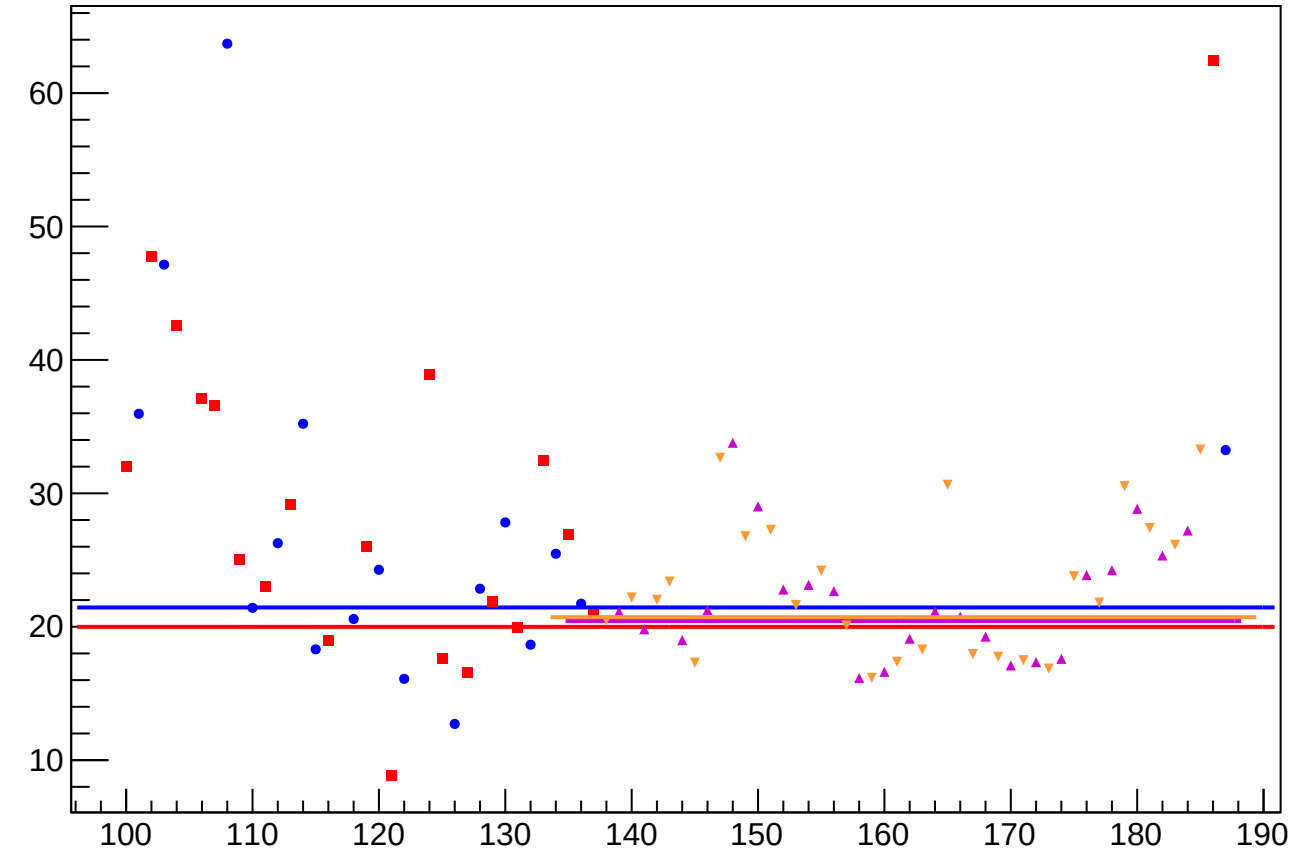
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.010+/-0.006 χ^2/NDF: 28.1/36

In: -0.002+/-0.004 χ^2/NDF:33.5/39

Out: 0.010+/-0.004 χ^2/NDF:65.4/44

All: 0.004+/-0.003 χ^2/NDF: 103.1/84



Right In: 21.446+/-0.006 χ^2/NDF: 1524454.6/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 19.990+/-0.006 χ^2/NDF: 2808343.7/19

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

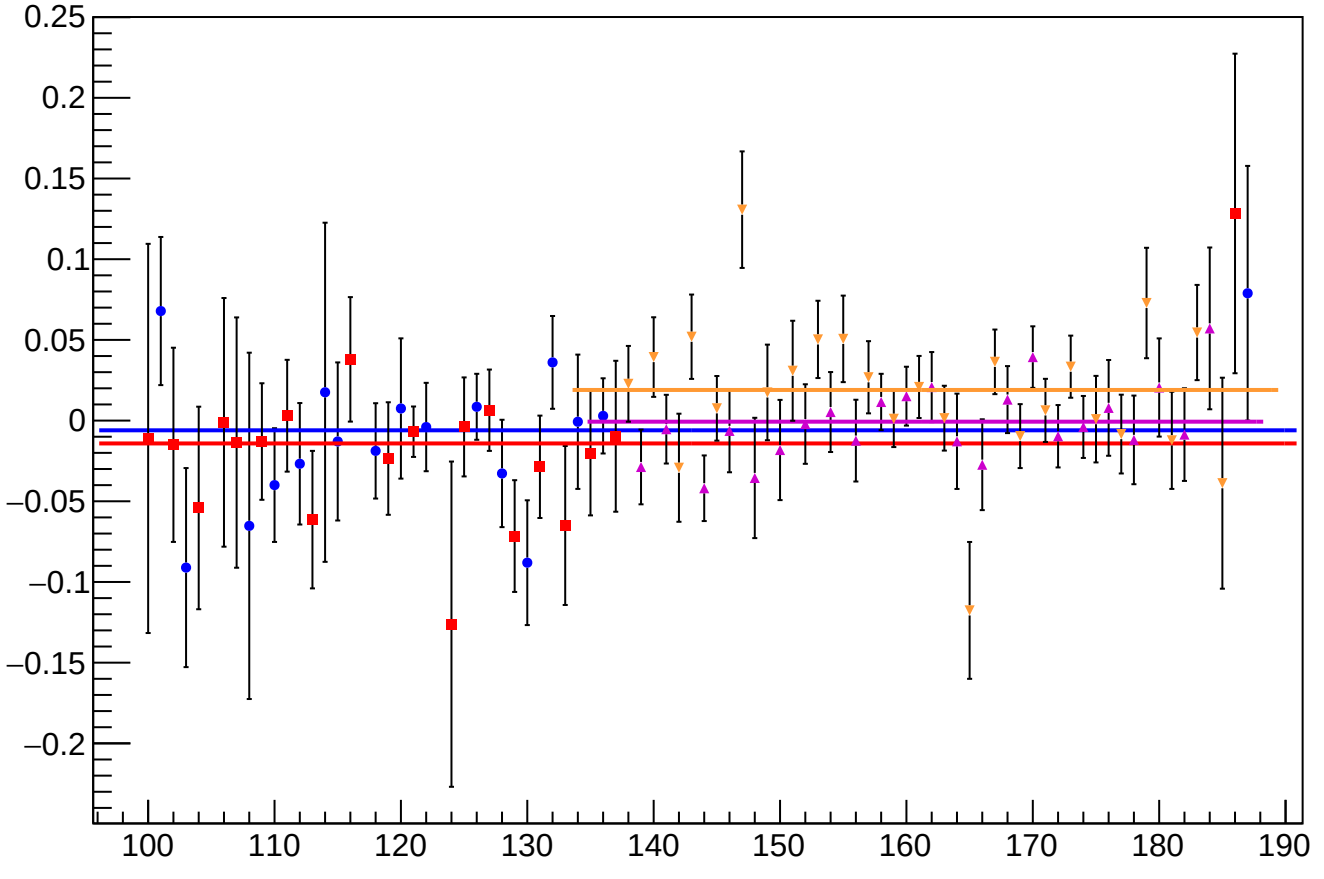
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 20.686+/-0.004 χ^2/NDF: 4362945.9/36

In: 20.682+/-0.003 χ^2/NDF:2719616.9/39

Out: 20.528+/-0.003 χ^2/NDF:4326467.3/44

All: 20.603+/-0.002 χ^2/NDF: 7047411.4/84



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

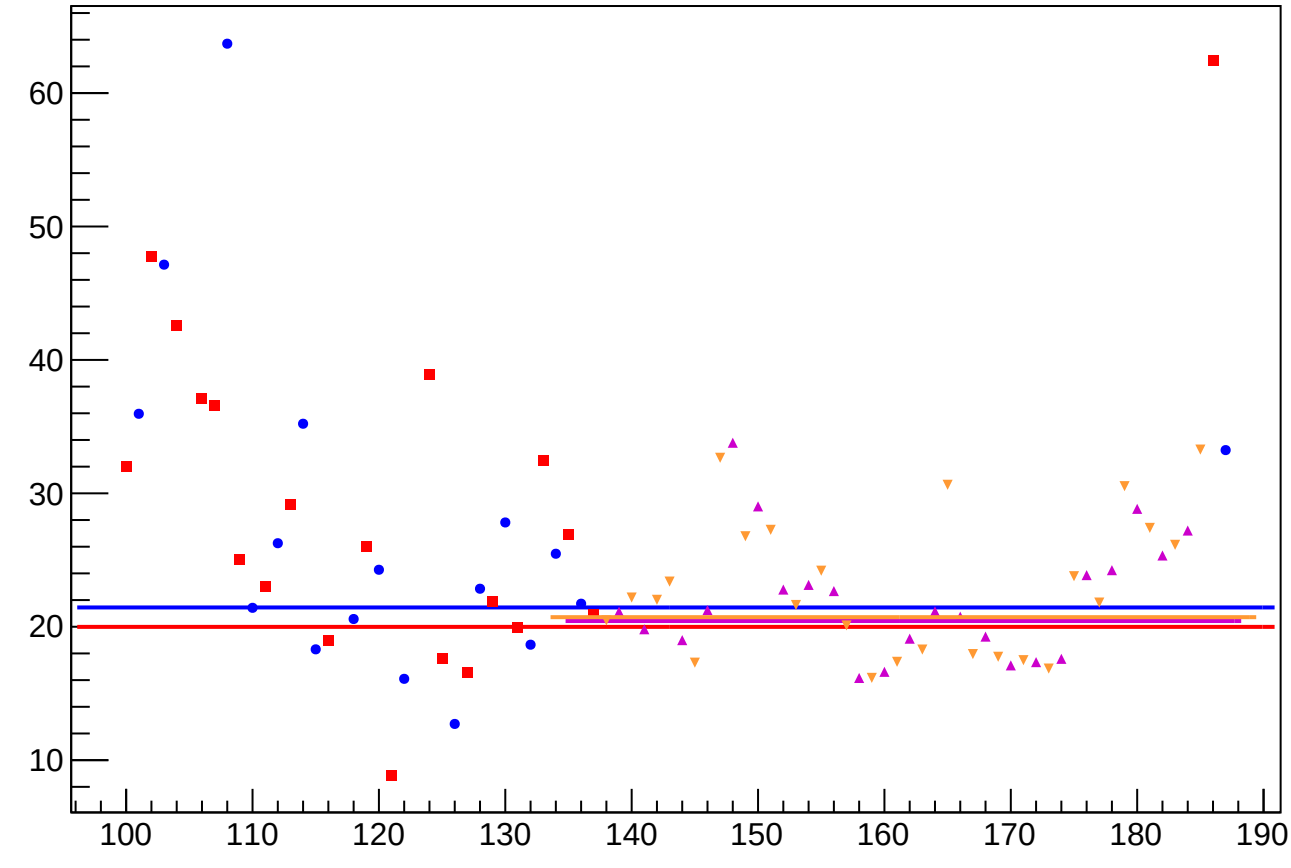
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.010+/-0.006 χ^2/NDF: 28.1/36

In: -0.002+/-0.004 χ^2/NDF:33.5/39

Out: 0.010+/-0.004 χ^2/NDF:65.4/44

All: 0.004+/-0.003 χ^2/NDF: 103.1/84



Right In: 21.446+/-0.006 χ^2/NDF: 1524454.6/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 19.990+/-0.006 χ^2/NDF: 2808343.7/19

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

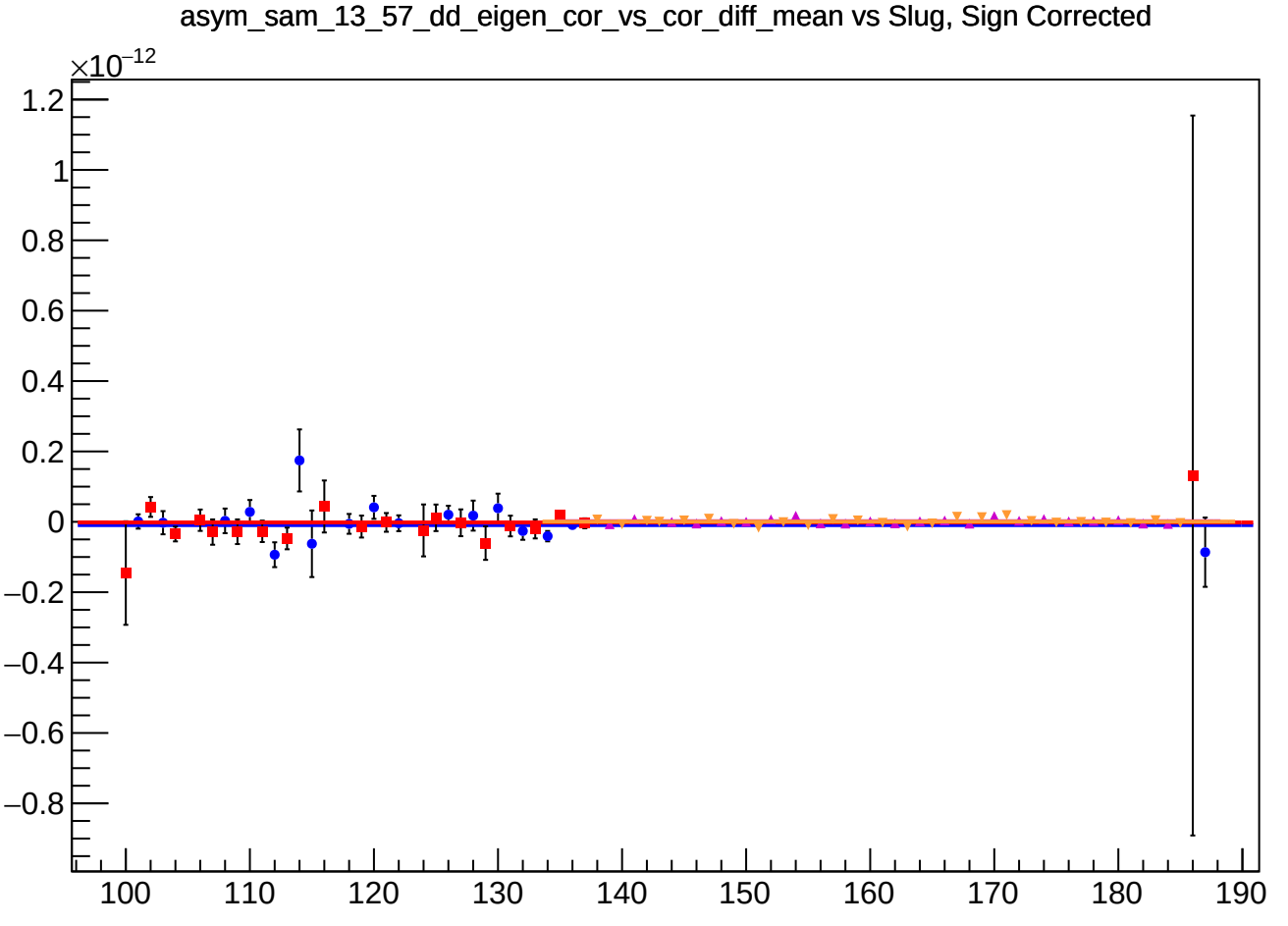
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 20.686+/-0.004 χ^2/NDF: 4362945.9/36

In: 20.682+/-0.003 χ^2/NDF:2719616.9/39

Out: 20.528+/-0.003 χ^2/NDF:4326467.3/44

All: 20.603+/-0.002 χ^2/NDF: 7047411.4/84



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/19

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

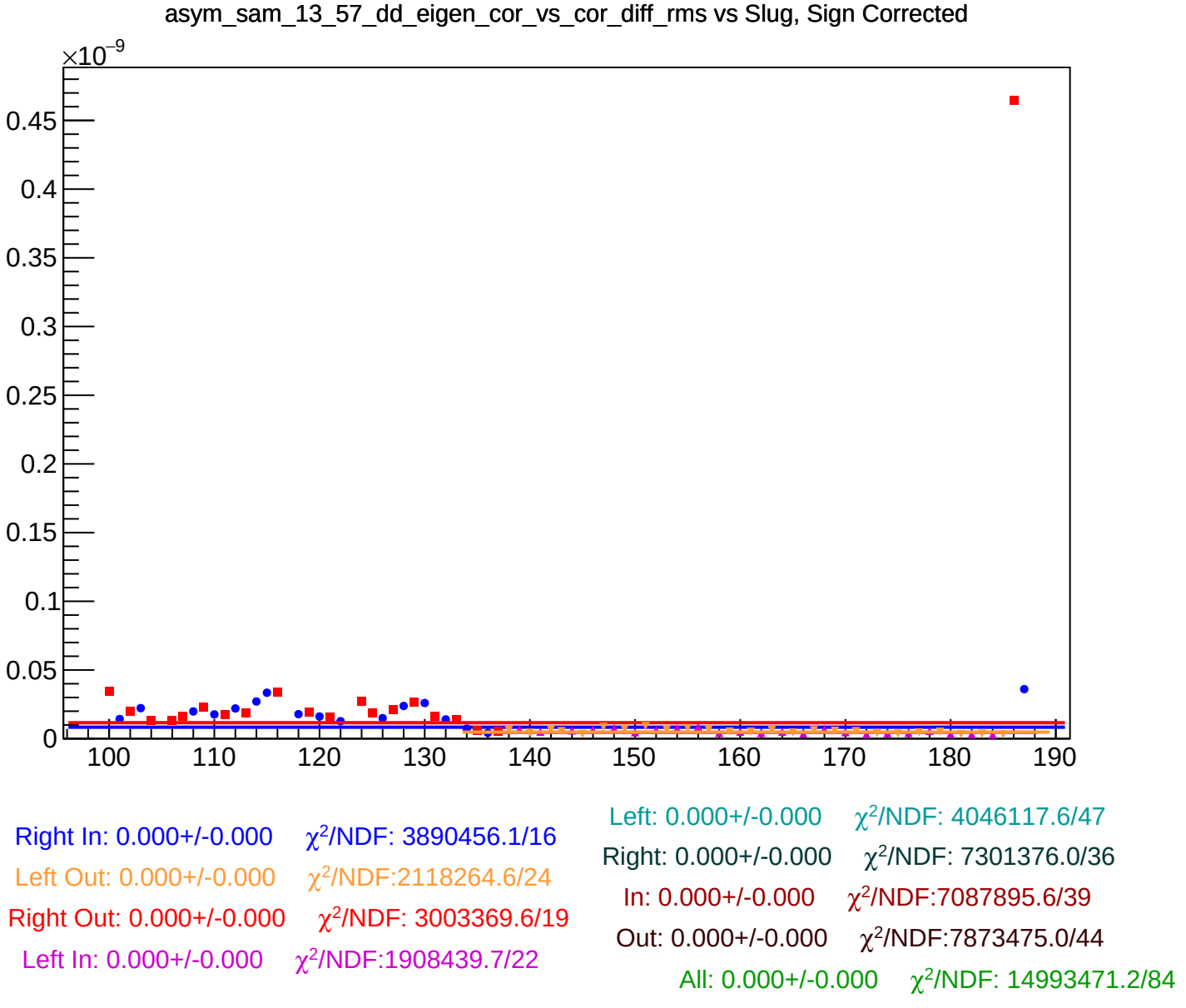
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

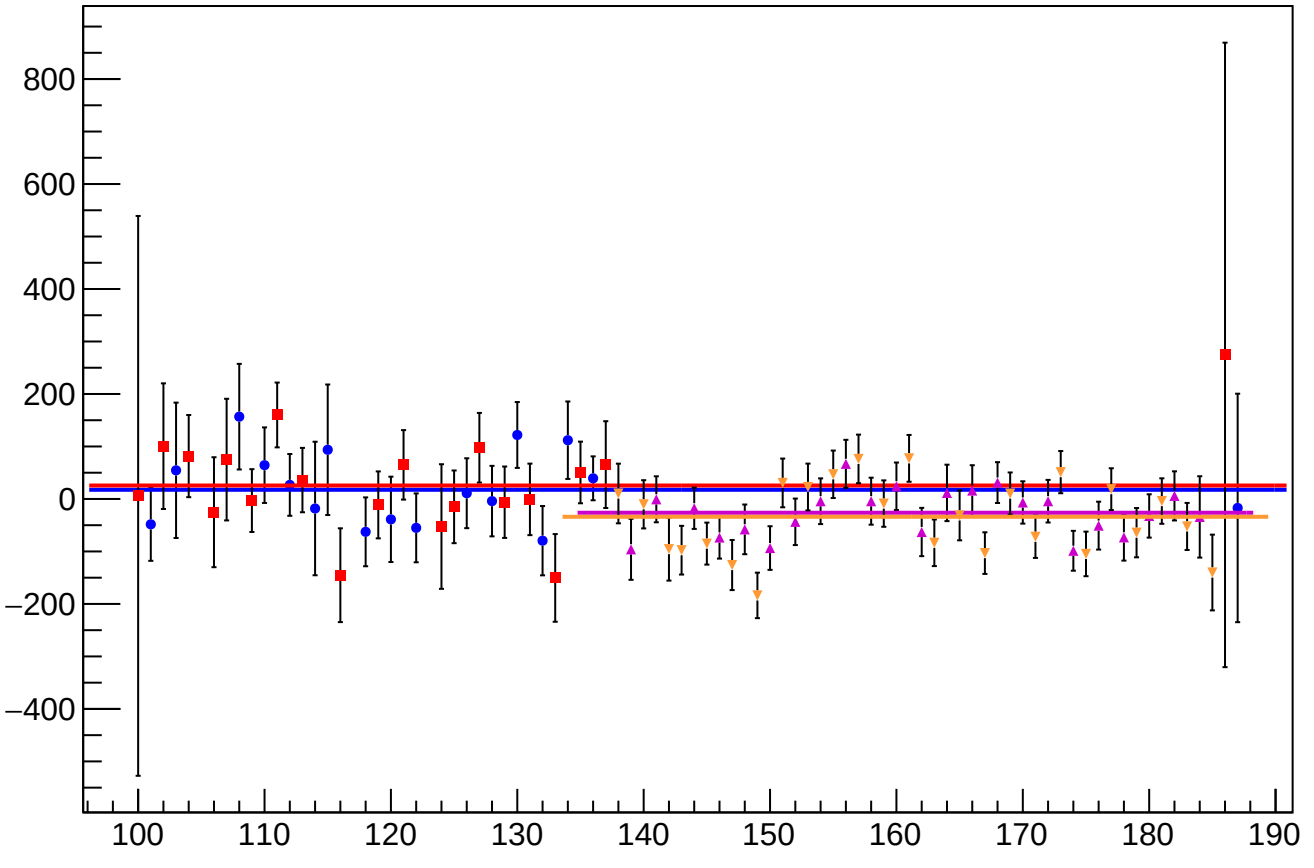
Right: -0.000+/-0.000 χ^2/NDF: 41.2/36

In: 0.000+/-0.000 χ^2/NDF:49.2/39

Out: 0.000+/-0.000 χ^2/NDF:46.2/44

All: 0.000+/-0.000 χ^2/NDF: 95.4/84


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3890456.1/16
Left Out: 0.000+/-0.000 χ²/NDF:2118264.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3003369.6/19
Left In: 0.000+/-0.000 χ²/NDF:1908439.7/22
Left: 0.000+/-0.000 χ²/NDF: 4046117.6/47
Right: 0.000+/-0.000 χ²/NDF: 7301376.0/36
In: 0.000+/-0.000 χ²/NDF:7087895.6/39
Out: 0.000+/-0.000 χ²/NDF:7873475.0/44
All: 0.000+/-0.000 χ²/NDF: 14993471.2/84



Right In: 17.478+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 25.652+/-17.329 χ^2/NDF: 18.0/19

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

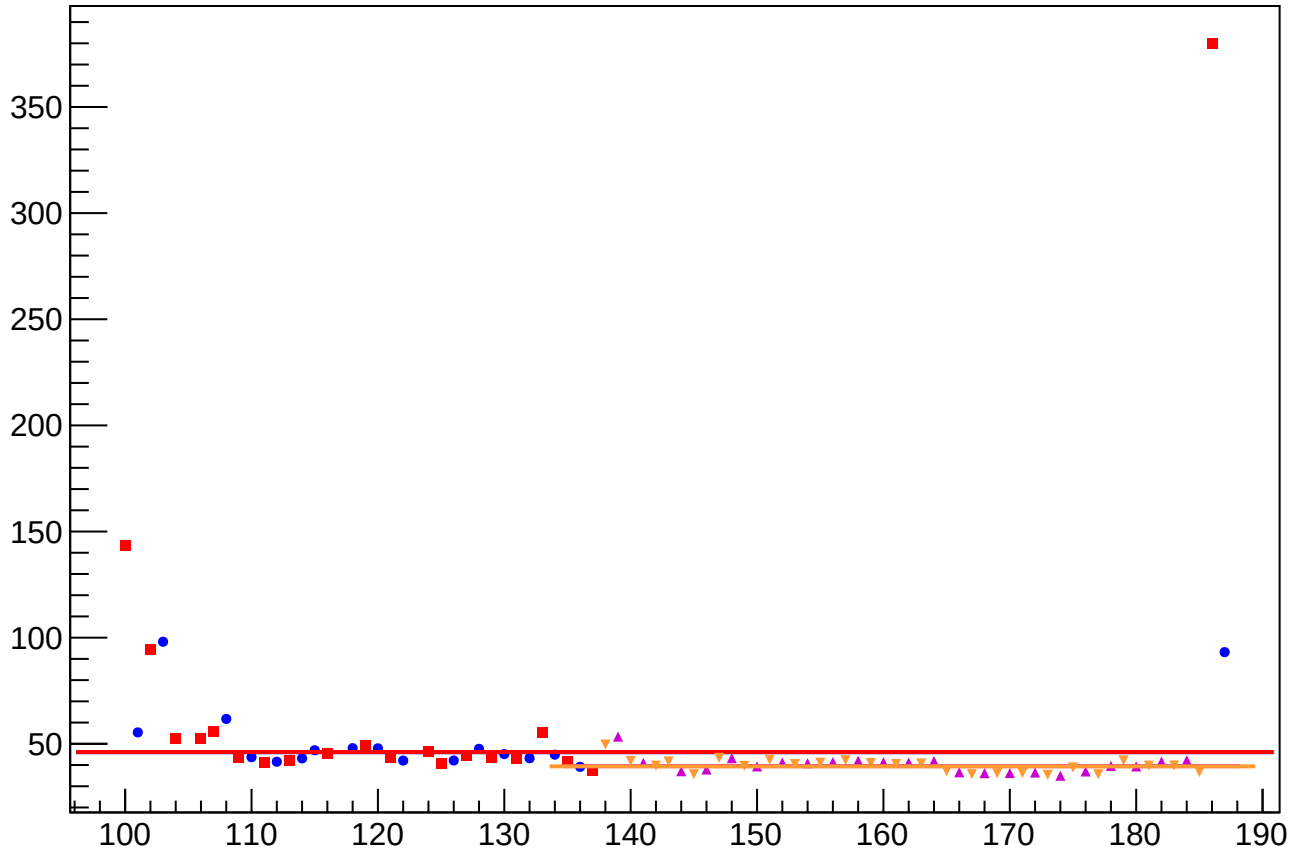
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 21.585+/-12.284 χ^2/NDF: 32.1/36

In: -16.605+/-8.184 χ^2/NDF:41.4/39

Out: -21.308+/-7.982 χ^2/NDF:86.1/44

All: -19.015+/-5.714 χ^2/NDF: 127.6/84



Right In: 46.030+/-0.012 χ^2/NDF: 595935.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 46.133+/-0.012 χ^2/NDF: 1170242.1/19

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

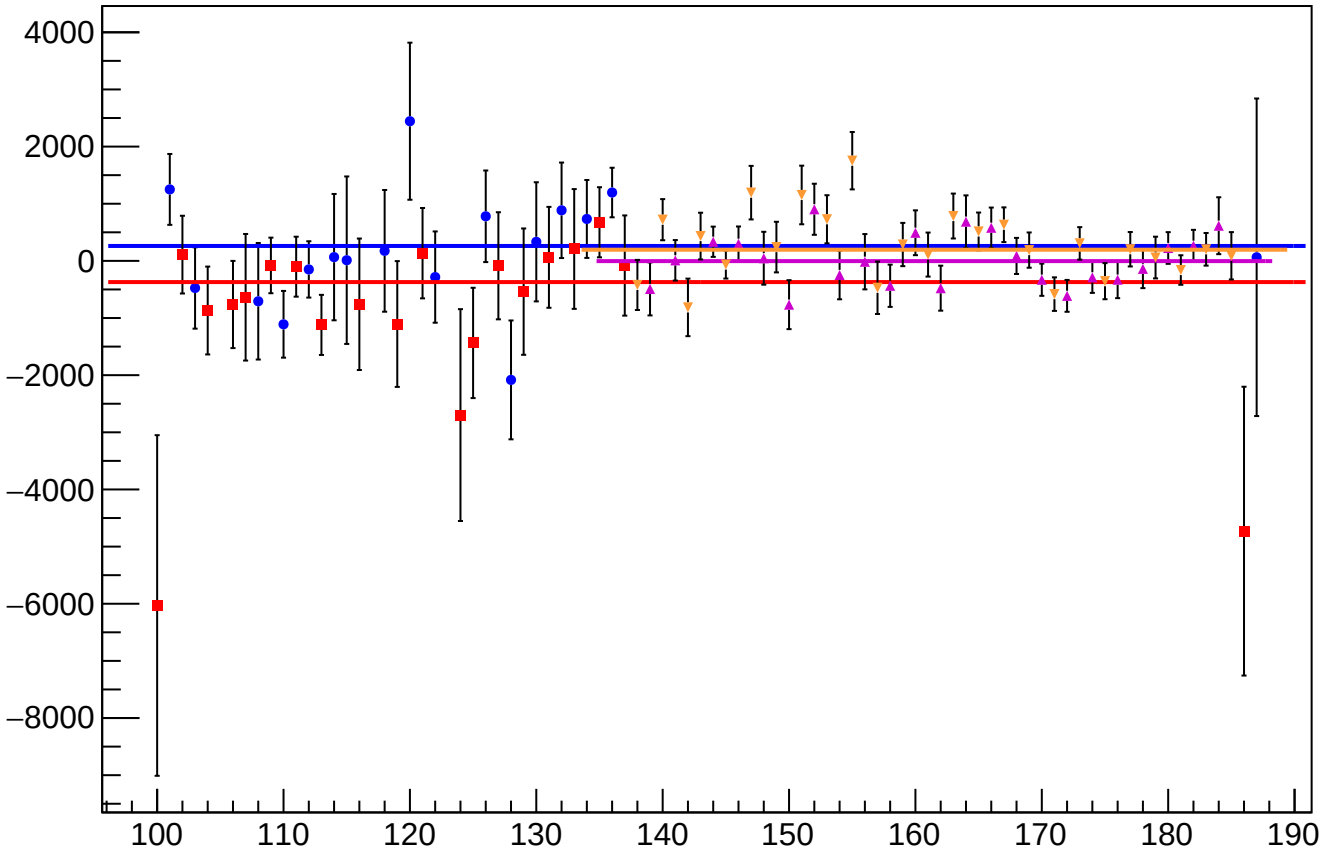
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 46.082+/-0.009 χ^2/NDF: 1766212.0/36

In: 40.935+/-0.006 χ^2/NDF:1067500.7/39

Out: 40.815+/-0.006 χ^2/NDF:1638105.6/44

All: 40.874+/-0.004 χ^2/NDF: 2705828.0/84



Right In: 261.063+/-184.801 χ^2/NDF: 25.0/16

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -370.966+/-180.222 χ^2/NDF: 17.9/19

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

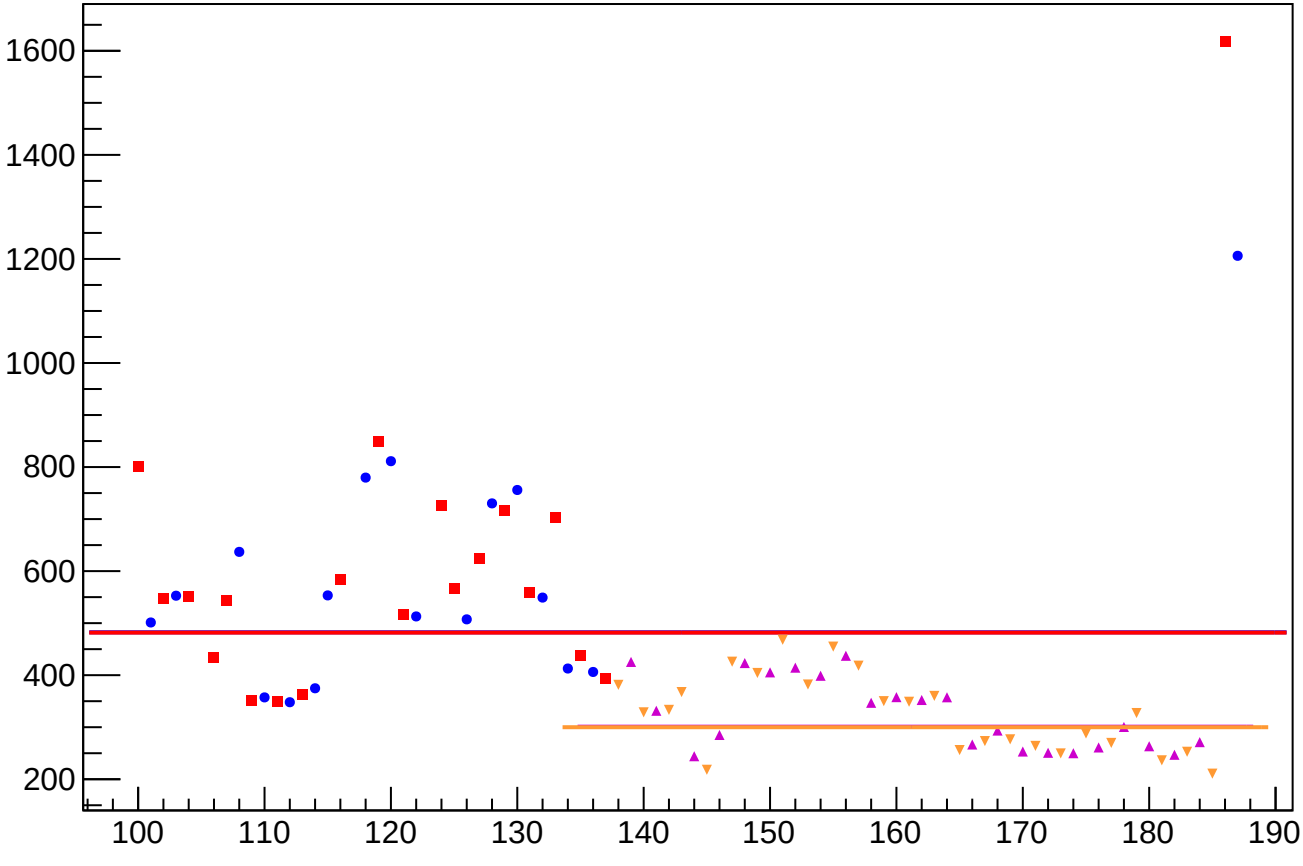
Right: -62.878+/-129.024 χ^2/NDF: 48.9/36

In: 30.904+/-67.073 χ^2/NDF:59.1/39

Out: 120.664+/-65.326 χ^2/NDF:75.1/44

All: 76.968+/-46.798 χ^2/NDF: 135.1/84

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 482.393+/-0.131 χ^2/NDF: 1088965.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 481.799+/-0.127 χ^2/NDF: 1412649.8/19

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

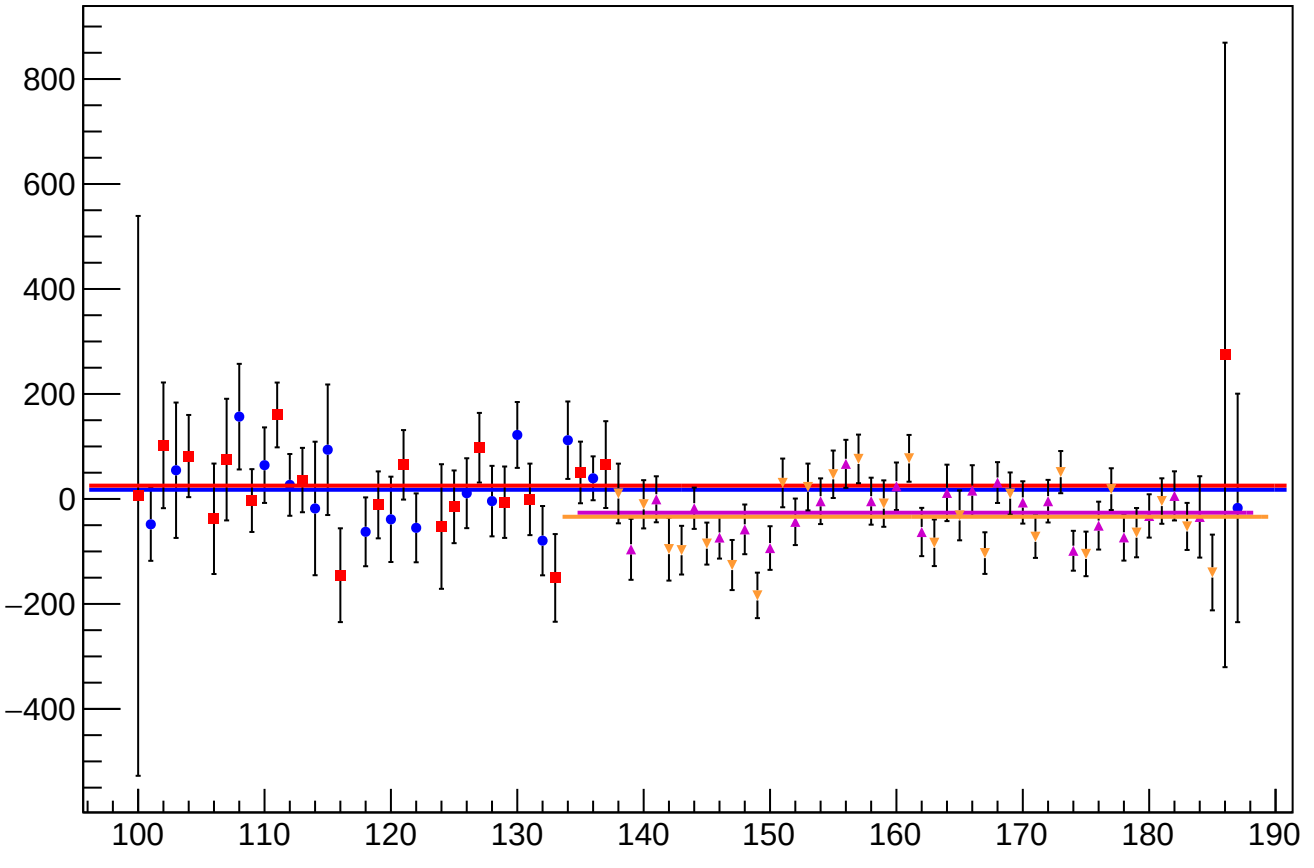
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

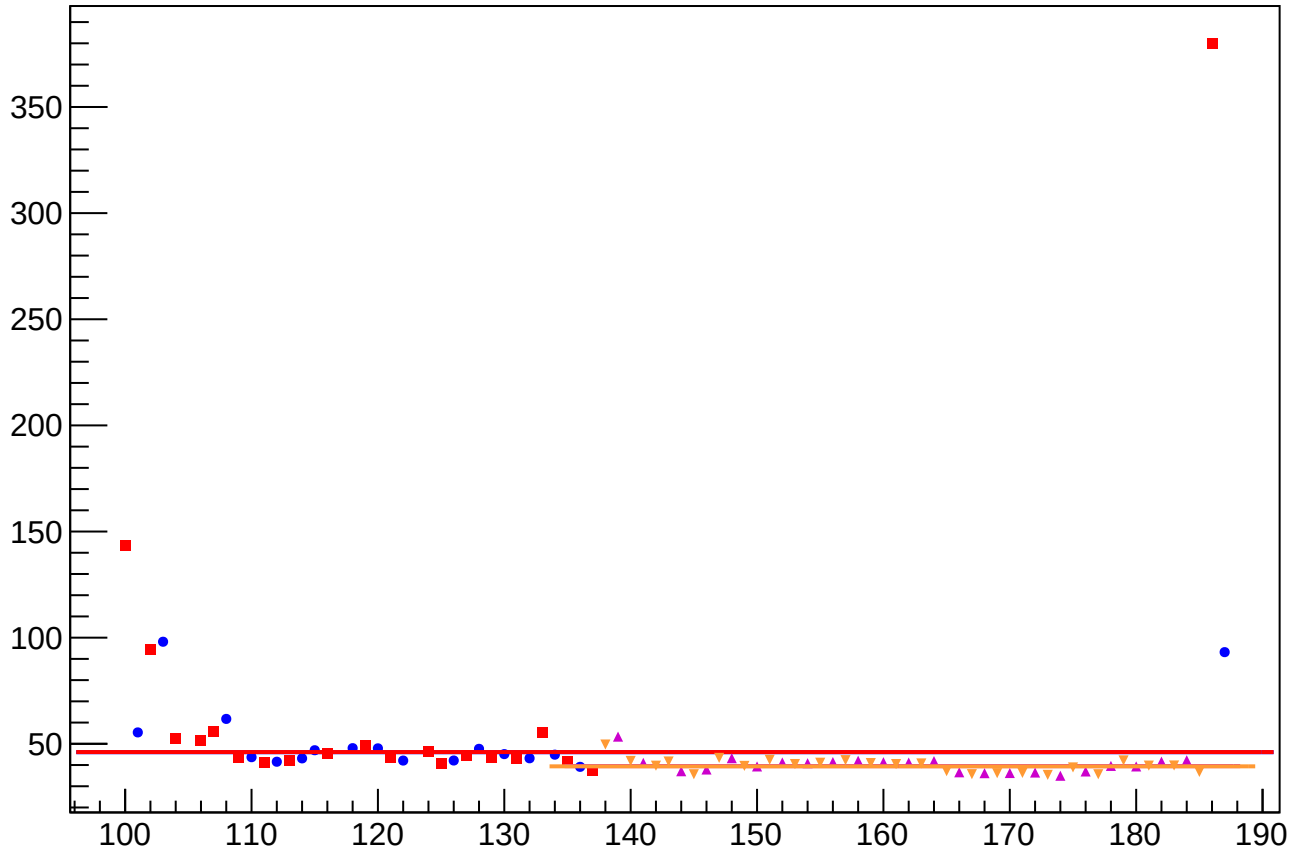
Right: 482.088+/-0.091 χ^2/NDF: 2501625.5/36

In: 324.894+/-0.047 χ^2/NDF:4169265.4/39

Out: 323.866+/-0.046 χ^2/NDF:4989323.2/44

All: 324.366+/-0.033 χ^2/NDF: 9158830.1/84


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
190
Right In: 17.483+/-17.414 χ²/NDF: 14.0/16
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 25.356+/-17.332 χ²/NDF: 18.2/19
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 21.438+/-12.284 χ²/NDF: 32.2/36
In: -16.604+/-8.184 χ²/NDF:41.4/39
Out: -21.373+/-7.983 χ²/NDF:86.1/44
All: -19.048+/-5.714 χ²/NDF: 127.6/84



Right In: 46.030+/-0.012 χ^2/NDF: 595938.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 46.109+/-0.012 χ^2/NDF: 1168645.8/19

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

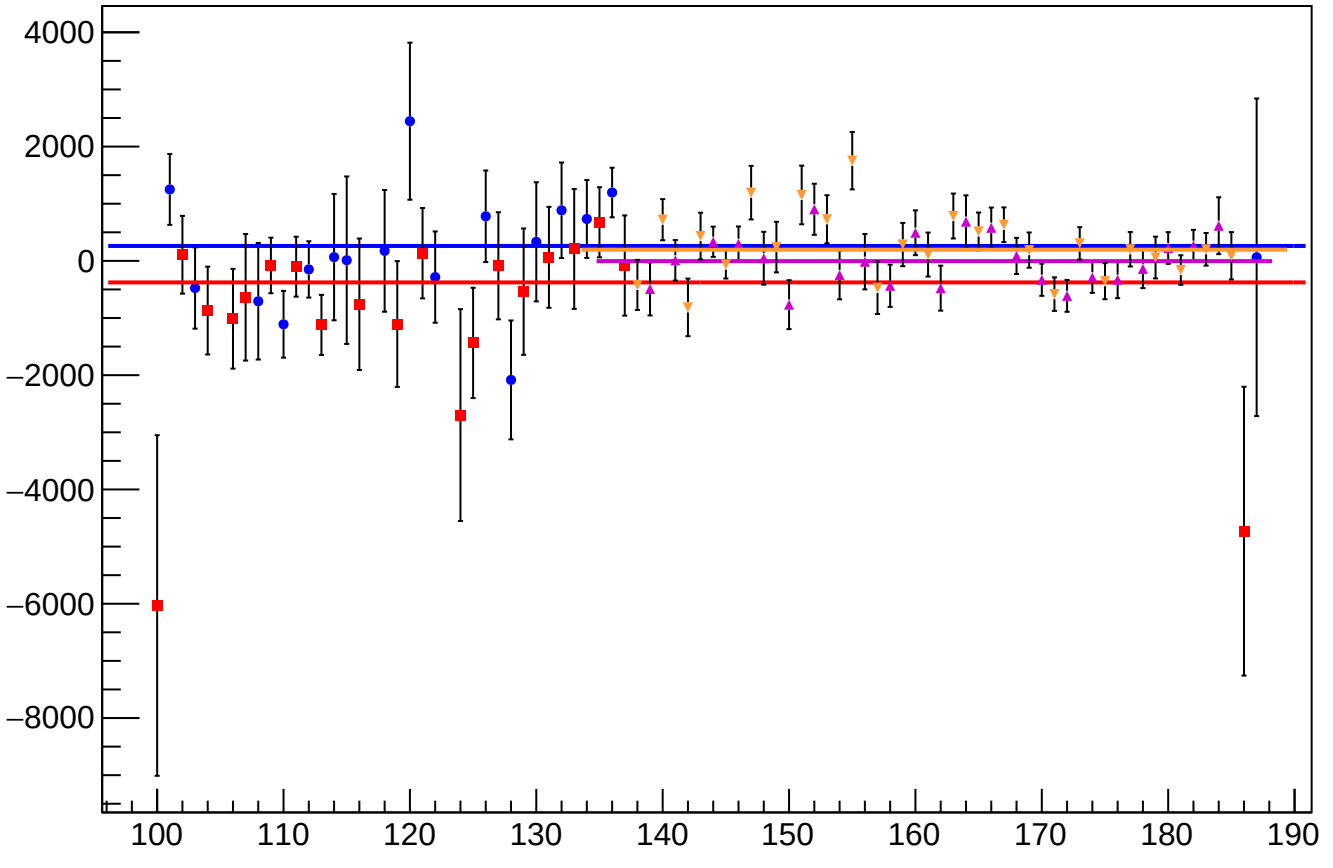
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 46.070+/-0.009 χ^2/NDF: 1764604.5/36

In: 40.935+/-0.006 χ^2/NDF:1067503.7/39

Out: 40.809+/-0.006 χ^2/NDF:1634779.9/44

All: 40.871+/-0.004 χ^2/NDF: 2702525.4/84



Right In: 261.067+/-184.802 χ^2/NDF: 25.0/16

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -376.760+/-181.433 χ^2/NDF: 18.2/19

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

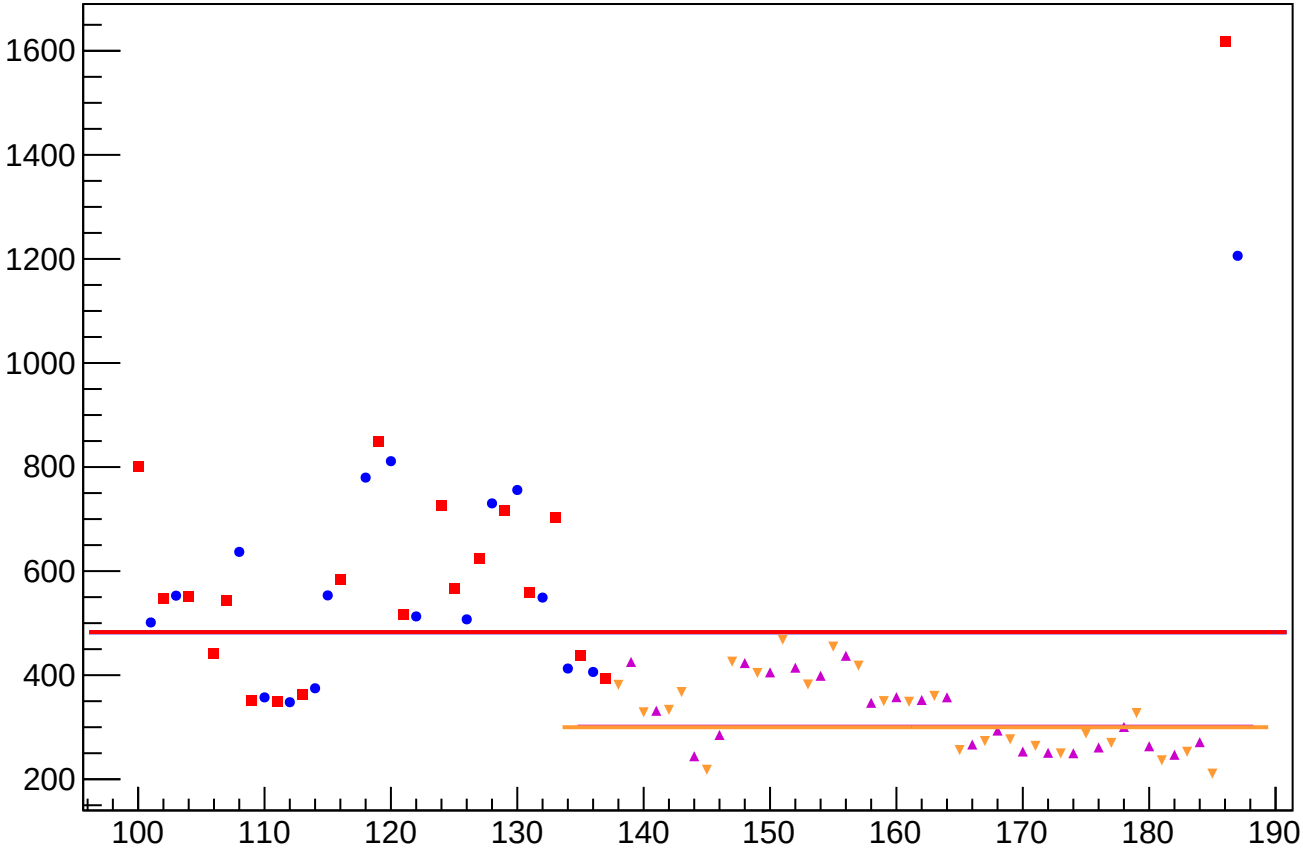
Right: -63.713+/-129.467 χ^2/NDF: 49.2/36

In: 30.904+/-67.073 χ^2/NDF:59.1/39

Out: 120.772+/-65.383 χ^2/NDF:75.4/44

All: 76.984+/-46.819 χ^2/NDF: 135.5/84

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 482.395+/-0.131 χ^2/NDF: 1088993.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 482.773+/-0.128 χ^2/NDF: 1409259.7/19

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

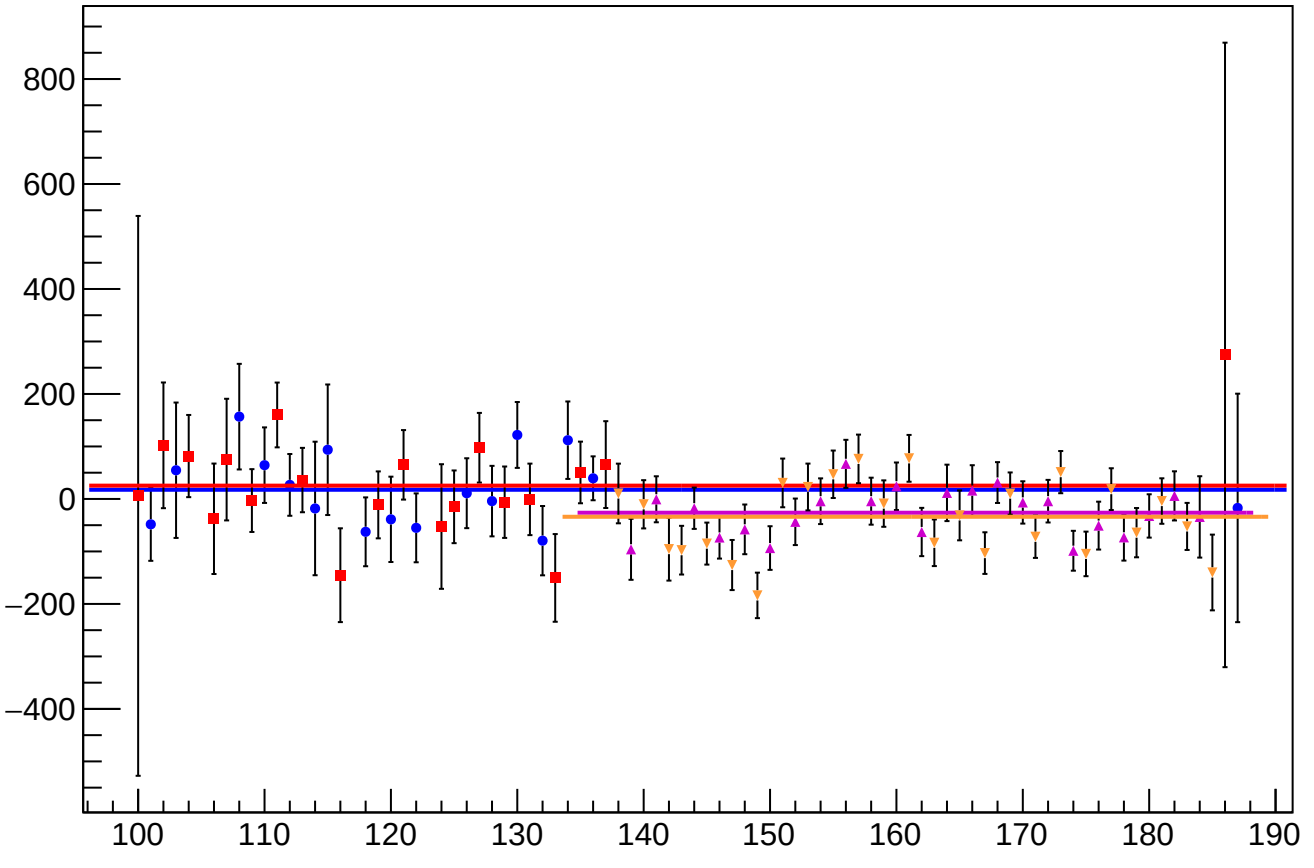
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 482.588+/-0.092 χ^2/NDF: 2498257.0/36

In: 324.894+/-0.047 χ^2/NDF:4169326.9/39

Out: 323.716+/-0.046 χ^2/NDF:4984237.1/44

All: 324.290+/-0.033 χ^2/NDF: 9153880.7/84



Right In: 17.483+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 25.356+/-17.332 χ^2/NDF: 18.2/19

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

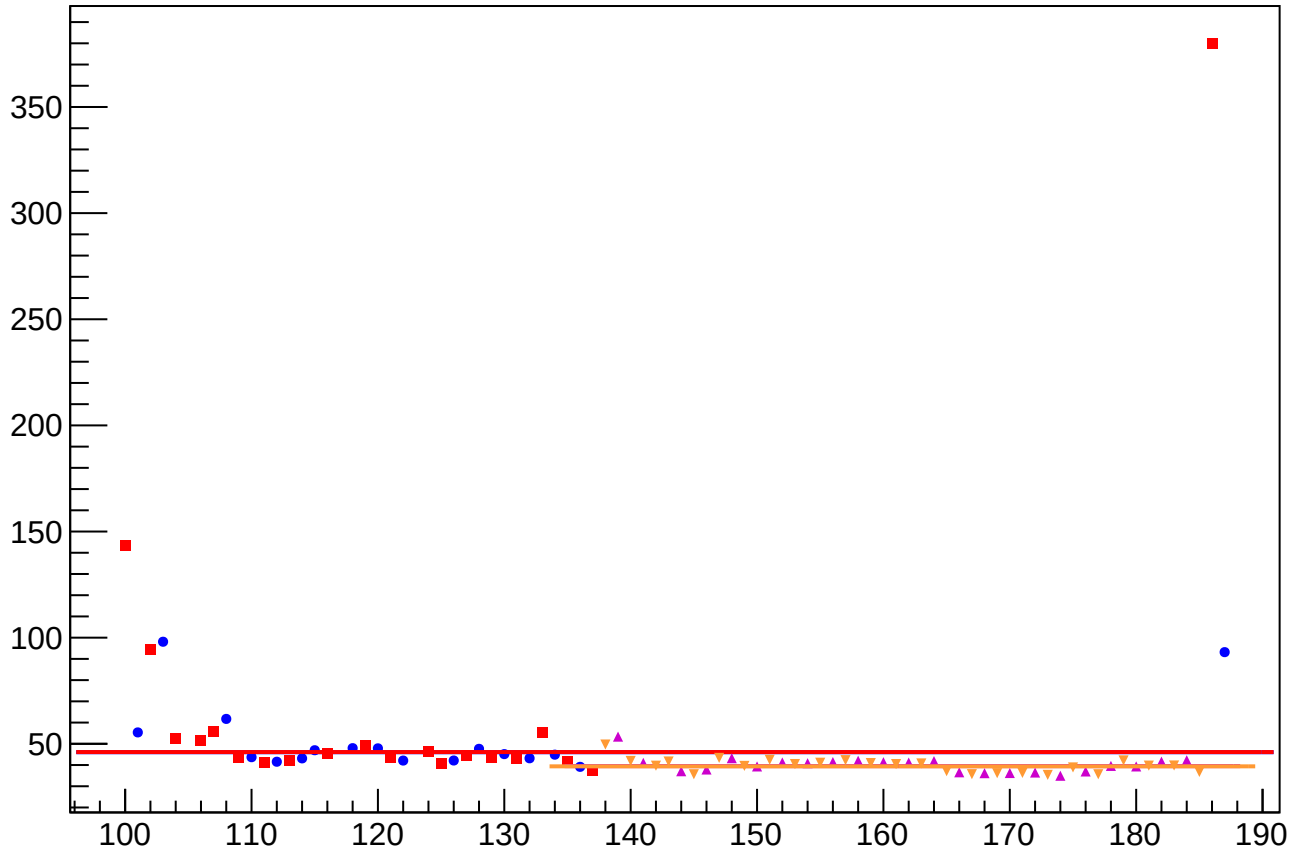
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 21.438+/-12.284 χ^2/NDF: 32.2/36

In: -16.604+/-8.184 χ^2/NDF:41.4/39

Out: -21.373+/-7.983 χ^2/NDF:86.1/44

All: -19.048+/-5.714 χ^2/NDF: 127.6/84



Right In: 46.030+/-0.012 χ^2/NDF: 595938.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 46.109+/-0.012 χ^2/NDF: 1168645.8/19

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

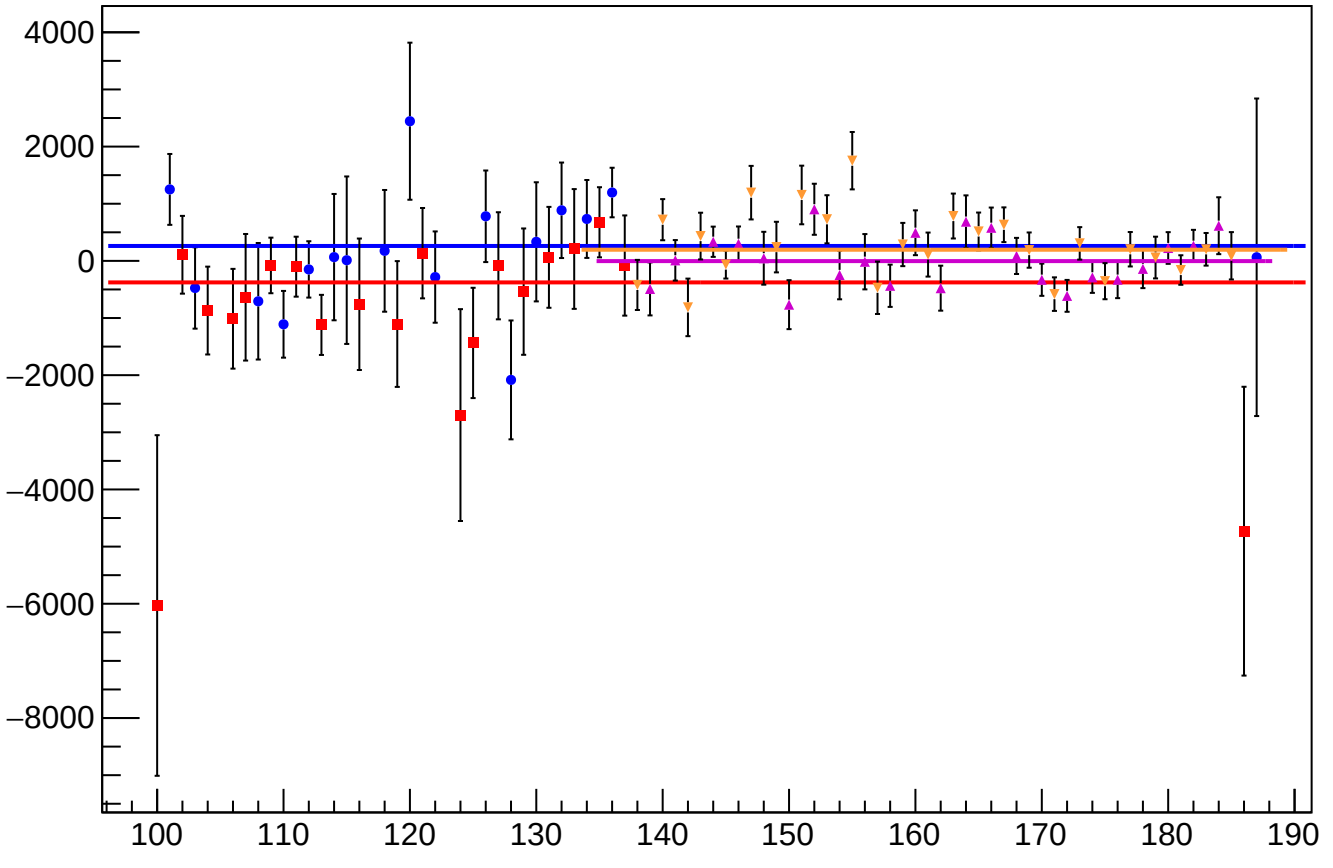
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 46.070+/-0.009 χ^2/NDF: 1764604.5/36

In: 40.935+/-0.006 χ^2/NDF:1067503.7/39

Out: 40.809+/-0.006 χ^2/NDF:1634779.9/44

All: 40.871+/-0.004 χ^2/NDF: 2702525.4/84



Right In: 261.067+/-184.802 χ^2/NDF: 25.0/16

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -376.760+/-181.433 χ^2/NDF: 18.2/19

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

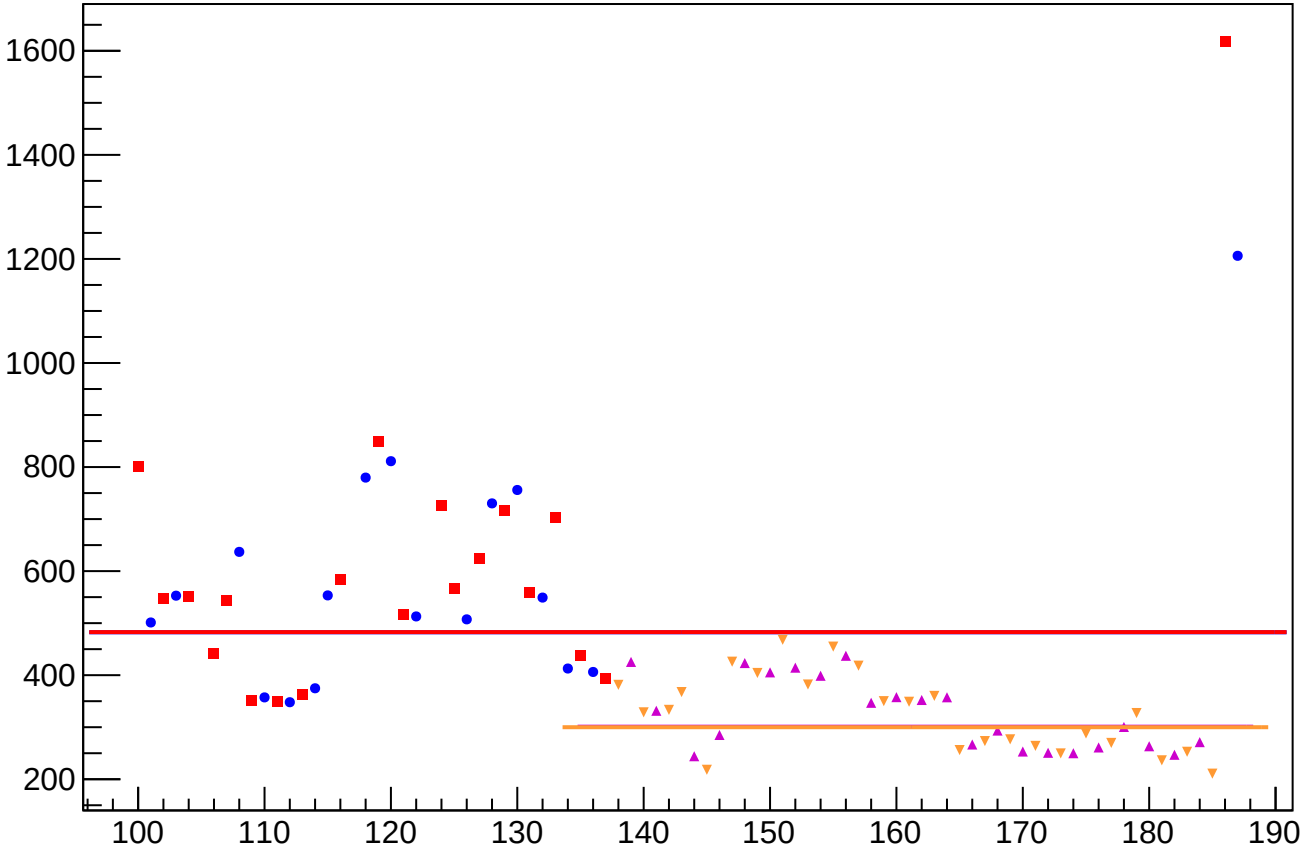
Right: -63.713+/-129.467 χ^2/NDF: 49.2/36

In: 30.904+/-67.073 χ^2/NDF:59.1/39

Out: 120.772+/-65.383 χ^2/NDF:75.4/44

All: 76.984+/-46.819 χ^2/NDF: 135.5/84

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 482.395+/-0.131 χ^2/NDF: 1088993.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 482.773+/-0.128 χ^2/NDF: 1409259.7/19

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

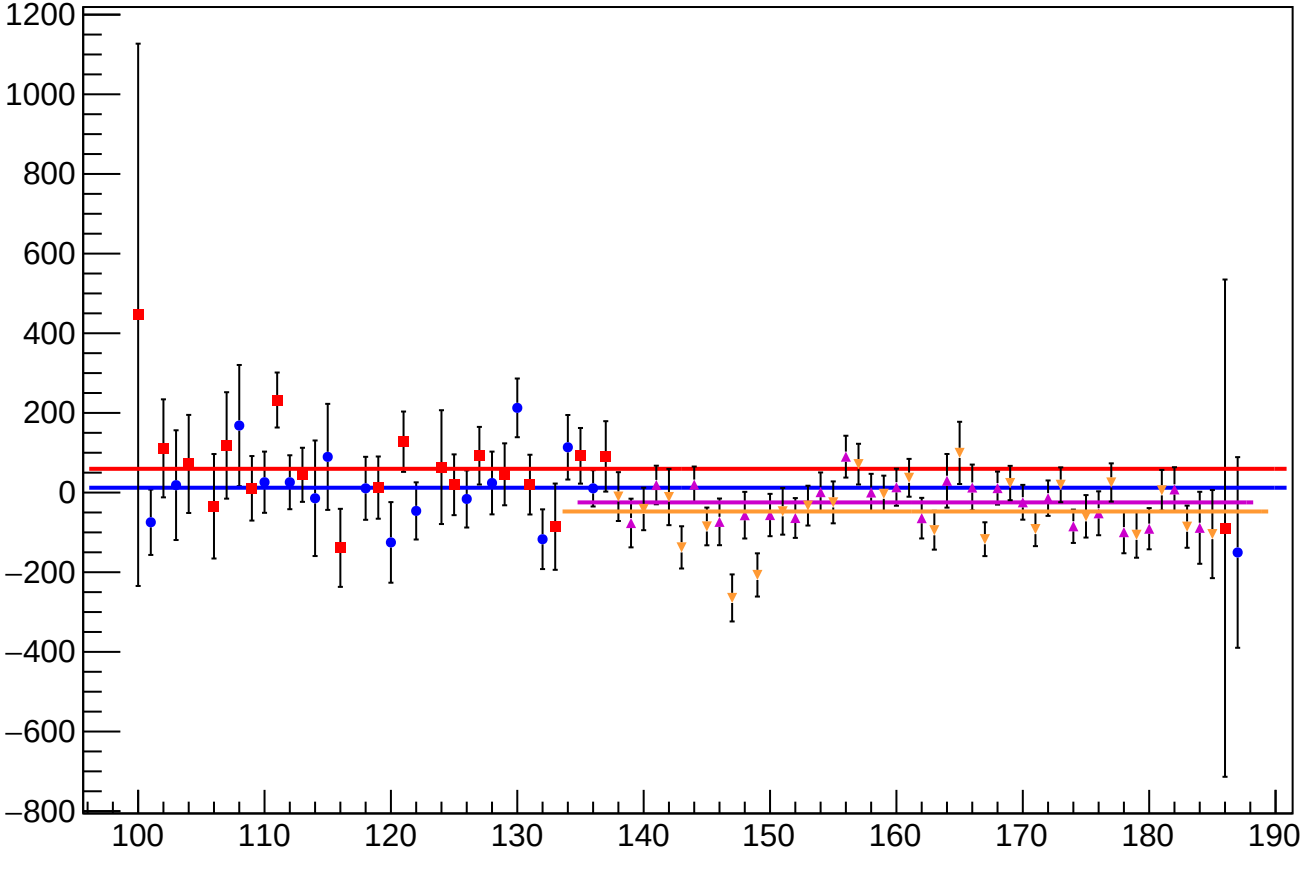
Right: 482.588+/-0.092 χ^2/NDF: 2498257.0/36

In: 324.894+/-0.047 χ^2/NDF:4169326.9/39

Out: 323.716+/-0.046 χ^2/NDF:4984237.1/44

All: 324.290+/-0.033 χ^2/NDF: 9153880.7/84

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 12.148+/-19.781 χ^2/NDF: 17.7/16

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 59.654+/-20.223 χ^2/NDF: 16.2/19

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

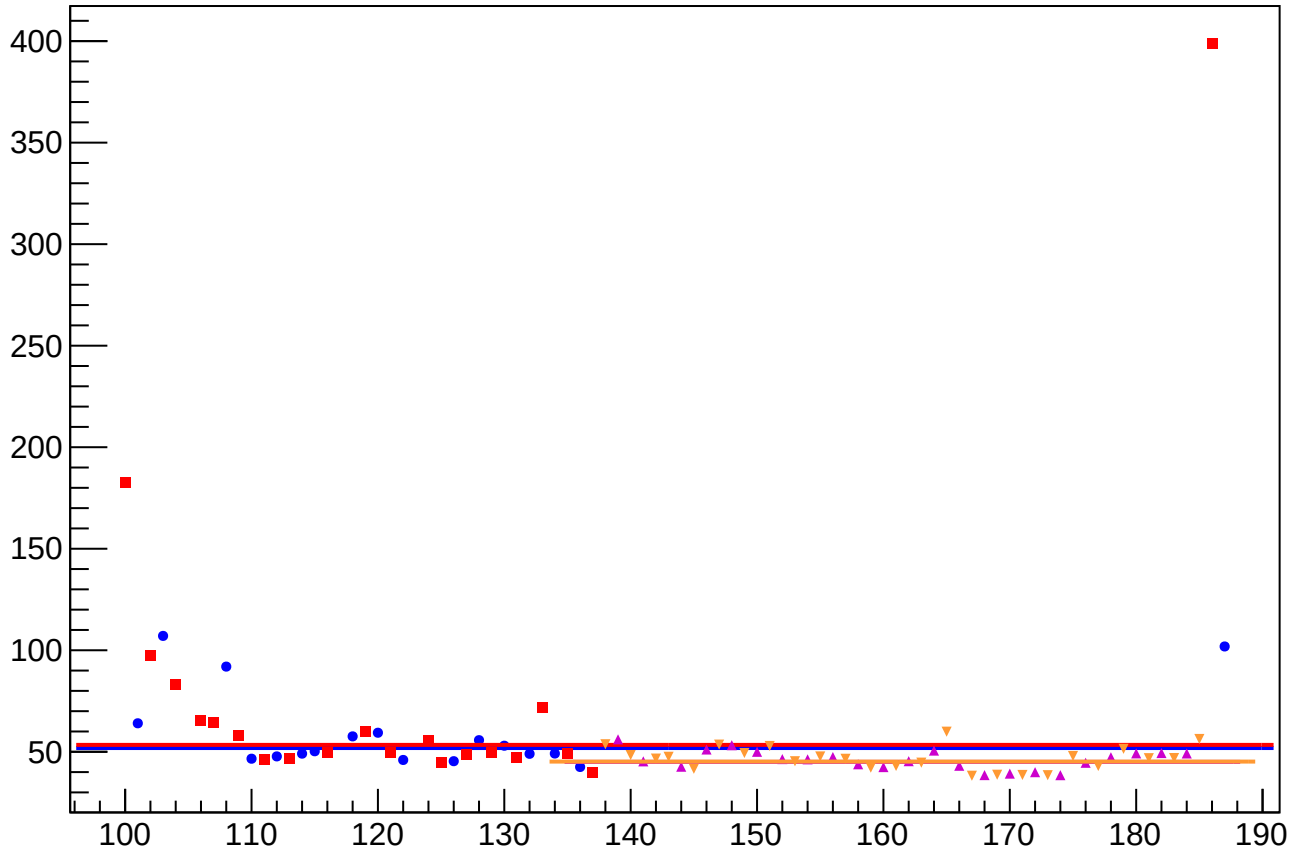
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.376+/-14.141 χ^2/NDF: 36.7/36

In: -16.397+/-9.384 χ^2/NDF:40.1/39

Out: -25.100+/-9.243 χ^2/NDF:93.0/44

All: -20.814+/-6.585 χ^2/NDF: 133.6/84



Right In: 51.850+/-0.014 χ^2/NDF: 755003.0/16

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 53.400+/-0.014 χ^2/NDF: 1325722.2/19

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

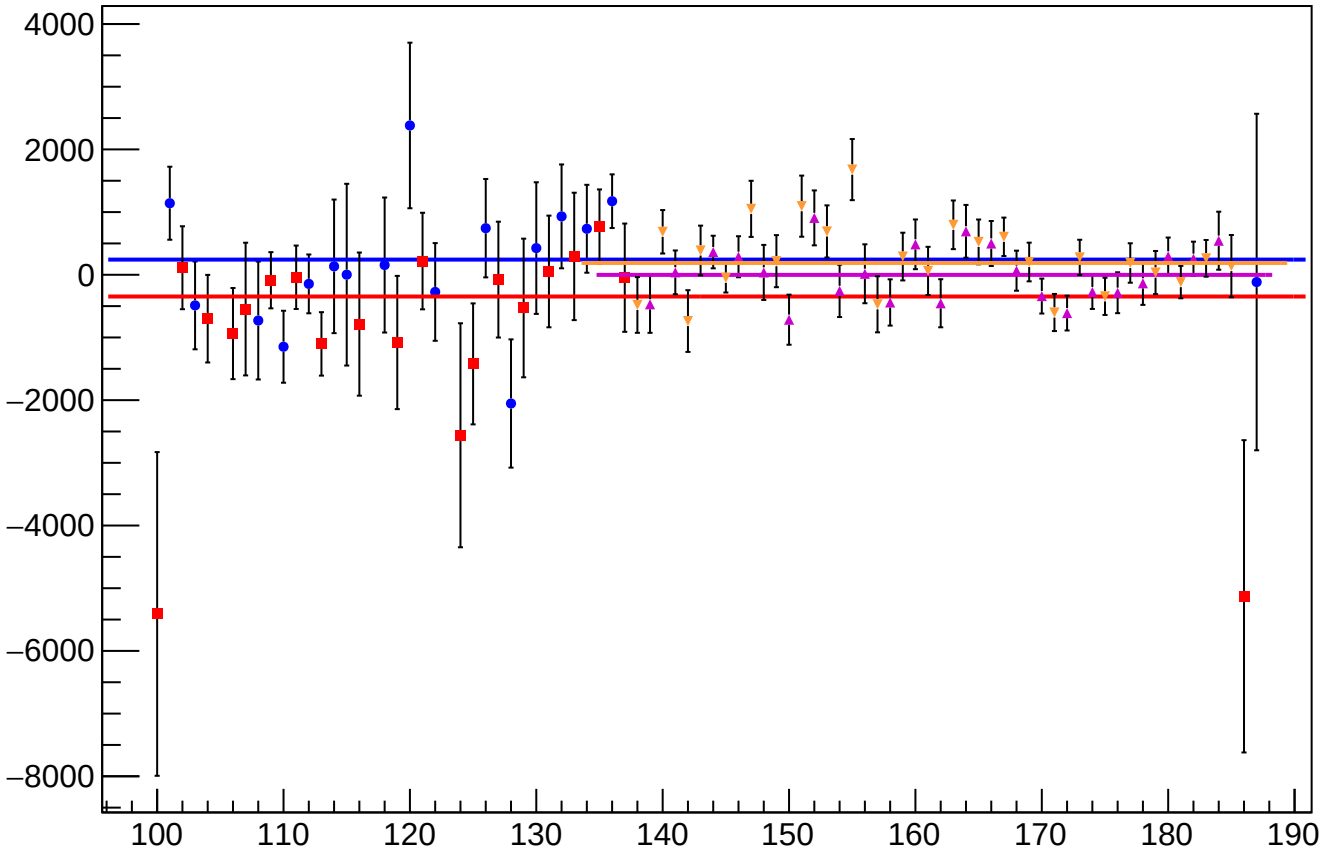
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 52.608+/-0.010 χ^2/NDF: 2086734.5/36

In: 46.555+/-0.007 χ^2/NDF:1312582.0/39

Out: 46.893+/-0.007 χ^2/NDF:2077309.8/44

All: 46.727+/-0.005 χ^2/NDF: 3391211.2/84



Right In: 242.202+/-180.463 χ^2/NDF: 25.6/16

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -346.865+/-173.211 χ^2/NDF: 20.2/19

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

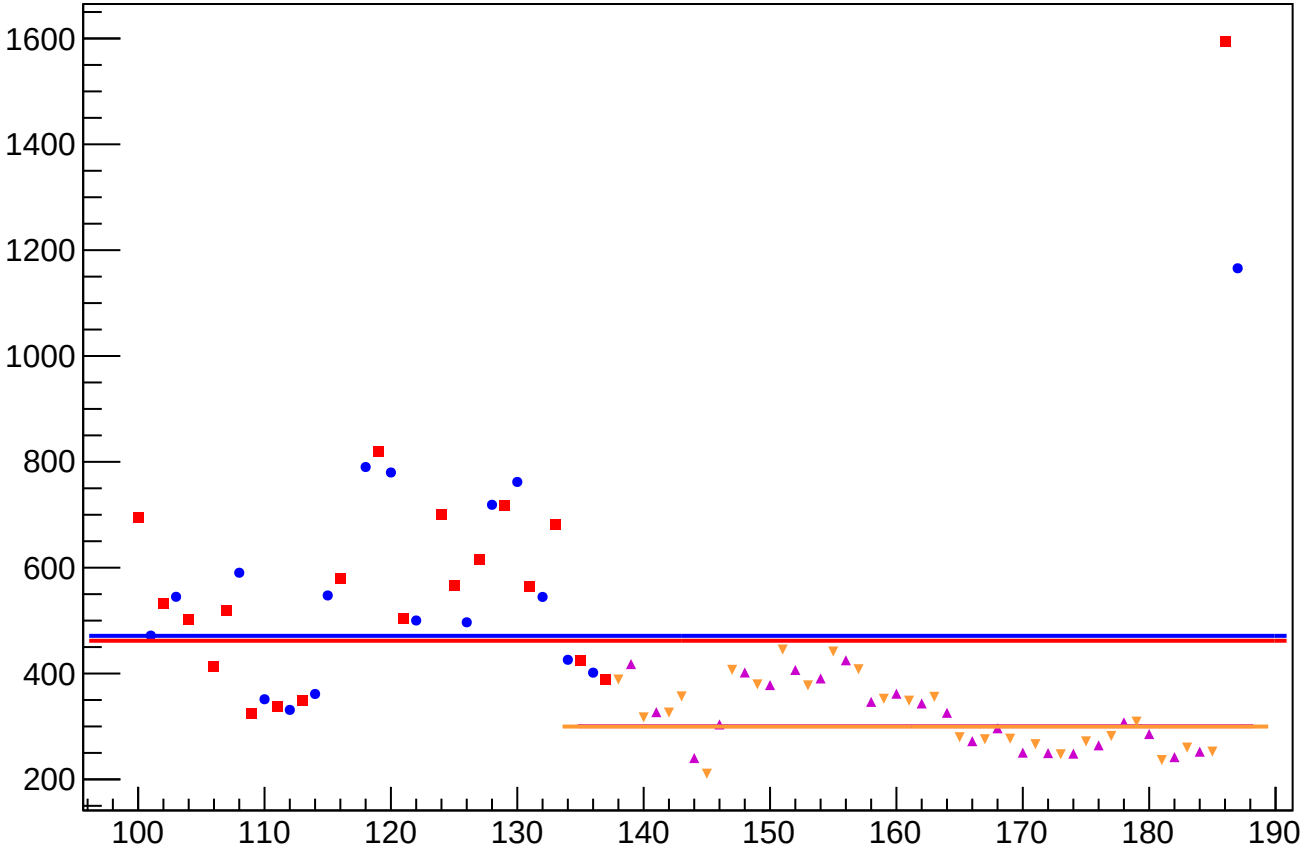
Right: -64.404+/-124.964 χ^2/NDF: 51.3/36

In: 31.601+/-66.643 χ^2/NDF:59.4/39

Out: 114.136+/-64.672 χ^2/NDF:75.2/44

All: 74.107+/-46.411 χ^2/NDF: 135.4/84

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 471.219+/-0.128 χ^2/NDF: 1117429.3/16

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 461.969+/-0.122 χ^2/NDF: 1497728.7/19

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

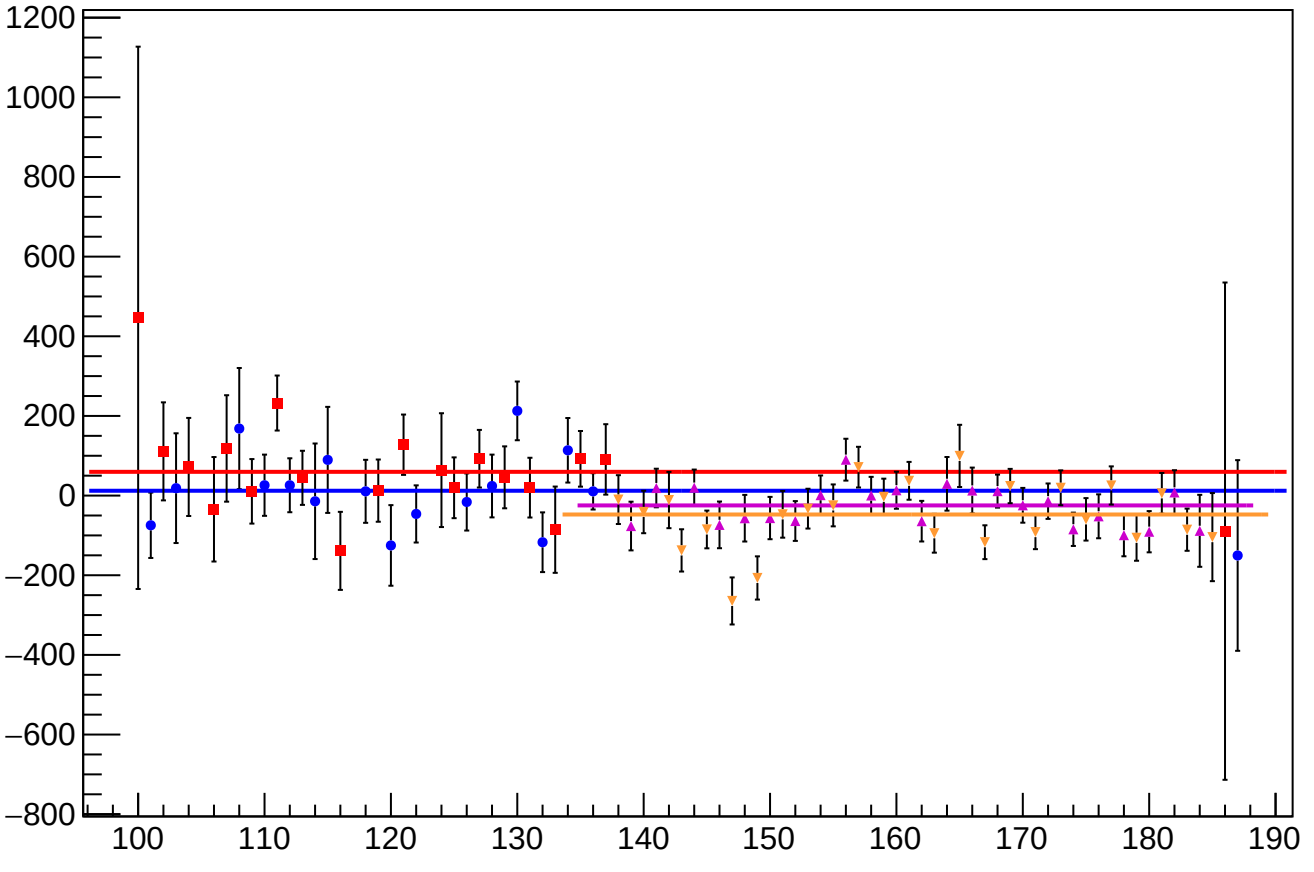
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 466.405+/-0.088 χ^2/NDF: 2617893.2/36

In: 323.820+/-0.047 χ^2/NDF:3921671.6/39

Out: 322.406+/-0.046 χ^2/NDF:4583912.3/44

All: 323.092+/-0.033 χ^2/NDF: 8506047.8/84



Right In: 12.149+/-19.781 χ^2/NDF: 17.7/16

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 59.655+/-20.223 χ^2/NDF: 16.2/19

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

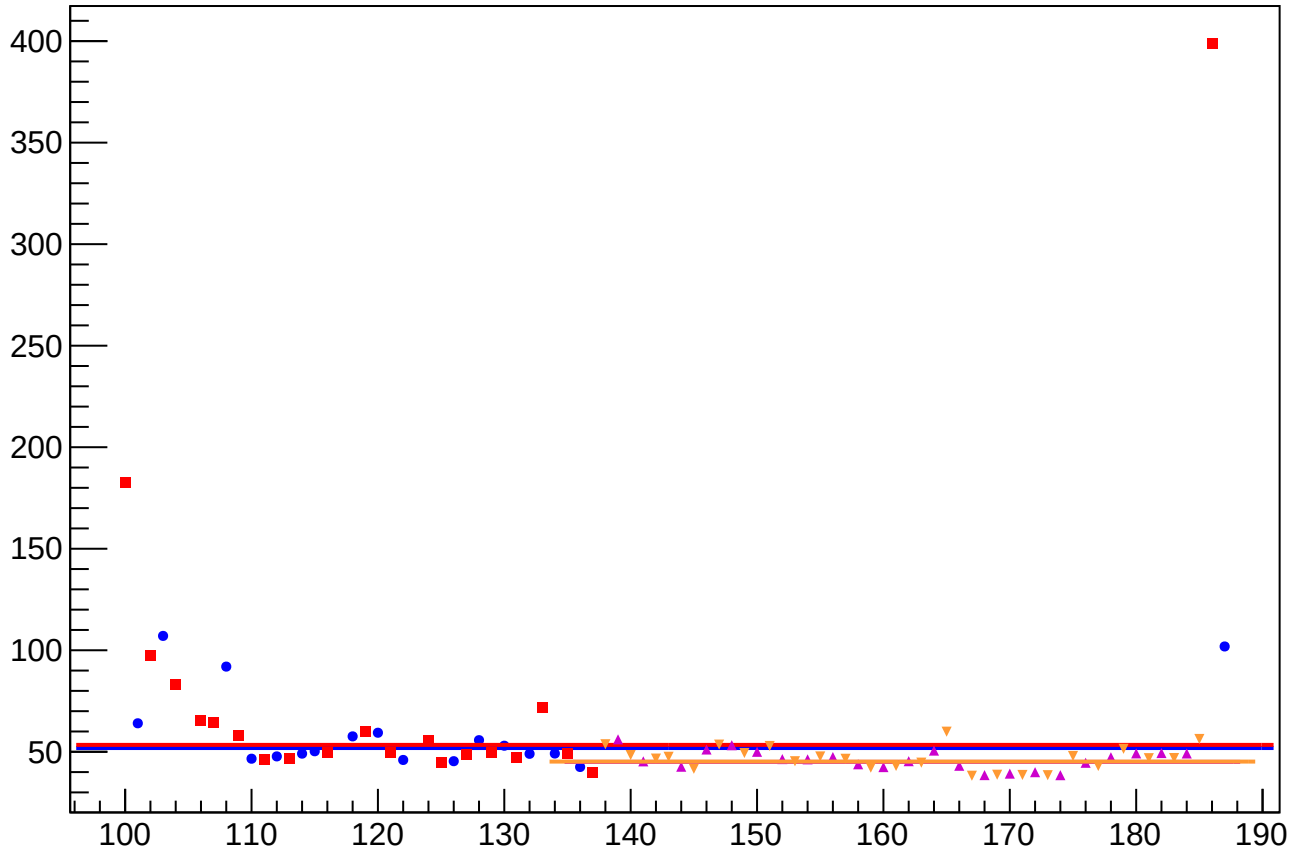
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.377+/-14.141 χ^2/NDF: 36.7/36

In: -16.397+/-9.384 χ^2/NDF:40.1/39

Out: -25.100+/-9.243 χ^2/NDF:93.0/44

All: -20.814+/-6.585 χ^2/NDF: 133.6/84



Right In: 51.850+/-0.014 χ^2/NDF: 755011.2/16

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 53.400+/-0.014 χ^2/NDF: 1325731.4/19

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

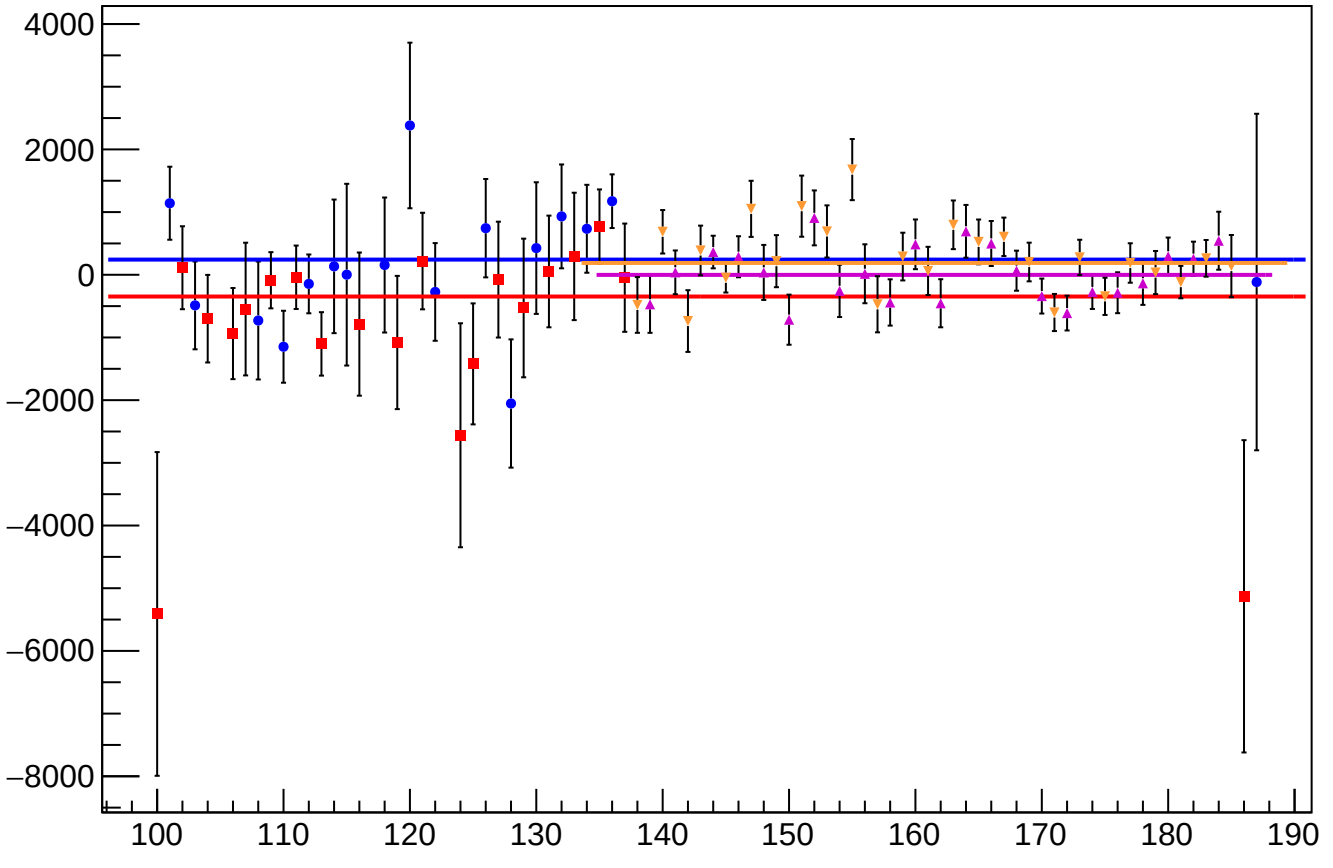
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 52.608+/-0.010 χ^2/NDF: 2086752.0/36

In: 46.555+/-0.007 χ^2/NDF:1312589.9/39

Out: 46.893+/-0.007 χ^2/NDF:2077321.4/44

All: 46.727+/-0.005 χ^2/NDF: 3391230.5/84



Right In: 242.201+/-180.463 χ^2/NDF: 25.6/16

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -346.865+/-173.211 χ^2/NDF: 20.2/19

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

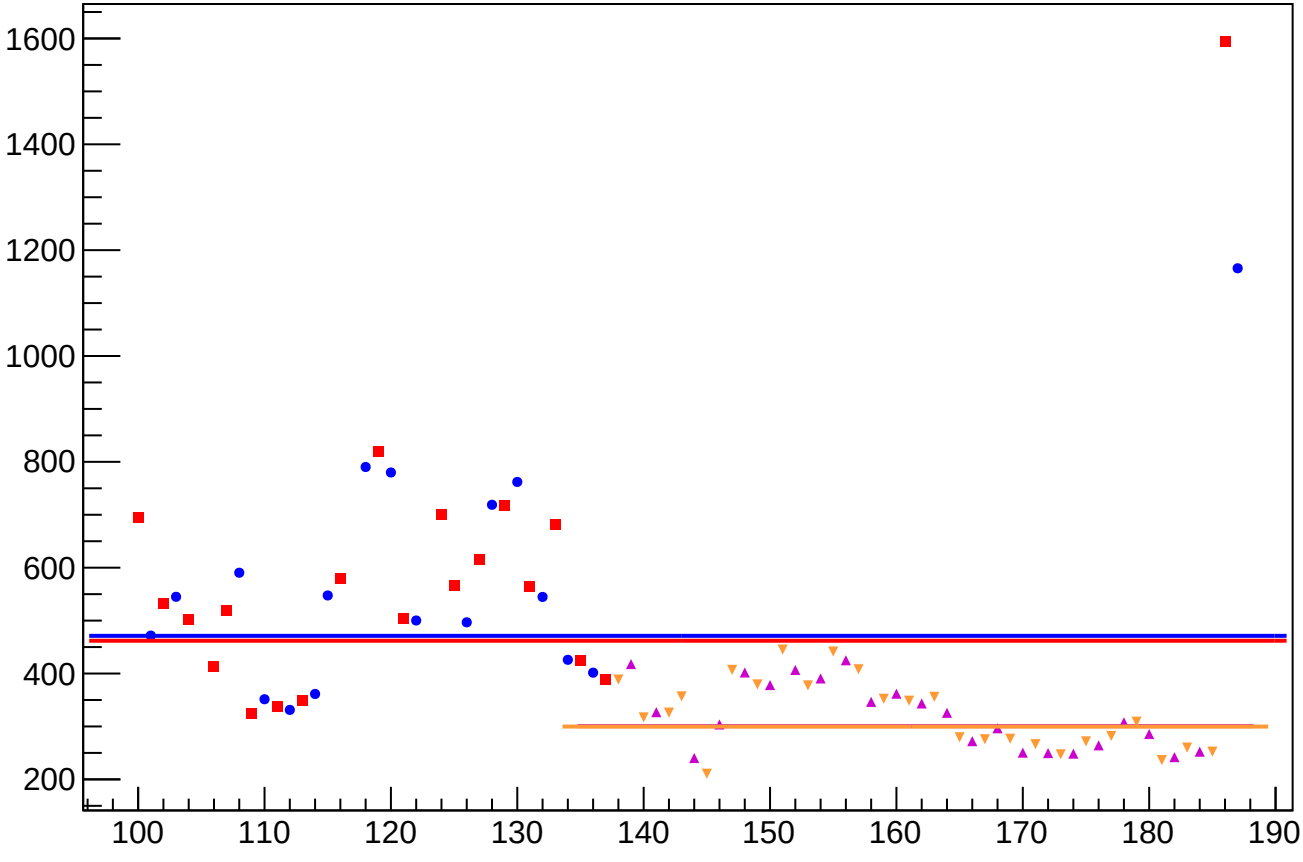
Right: -64.405+/-124.964 χ^2/NDF: 51.3/36

In: 31.602+/-66.643 χ^2/NDF:59.4/39

Out: 114.136+/-64.672 χ^2/NDF:75.2/44

All: 74.107+/-46.411 χ^2/NDF: 135.4/84

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 471.219+/-0.128 χ^2/NDF: 1117430.0/16

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 461.968+/-0.122 χ^2/NDF: 1497723.0/19

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

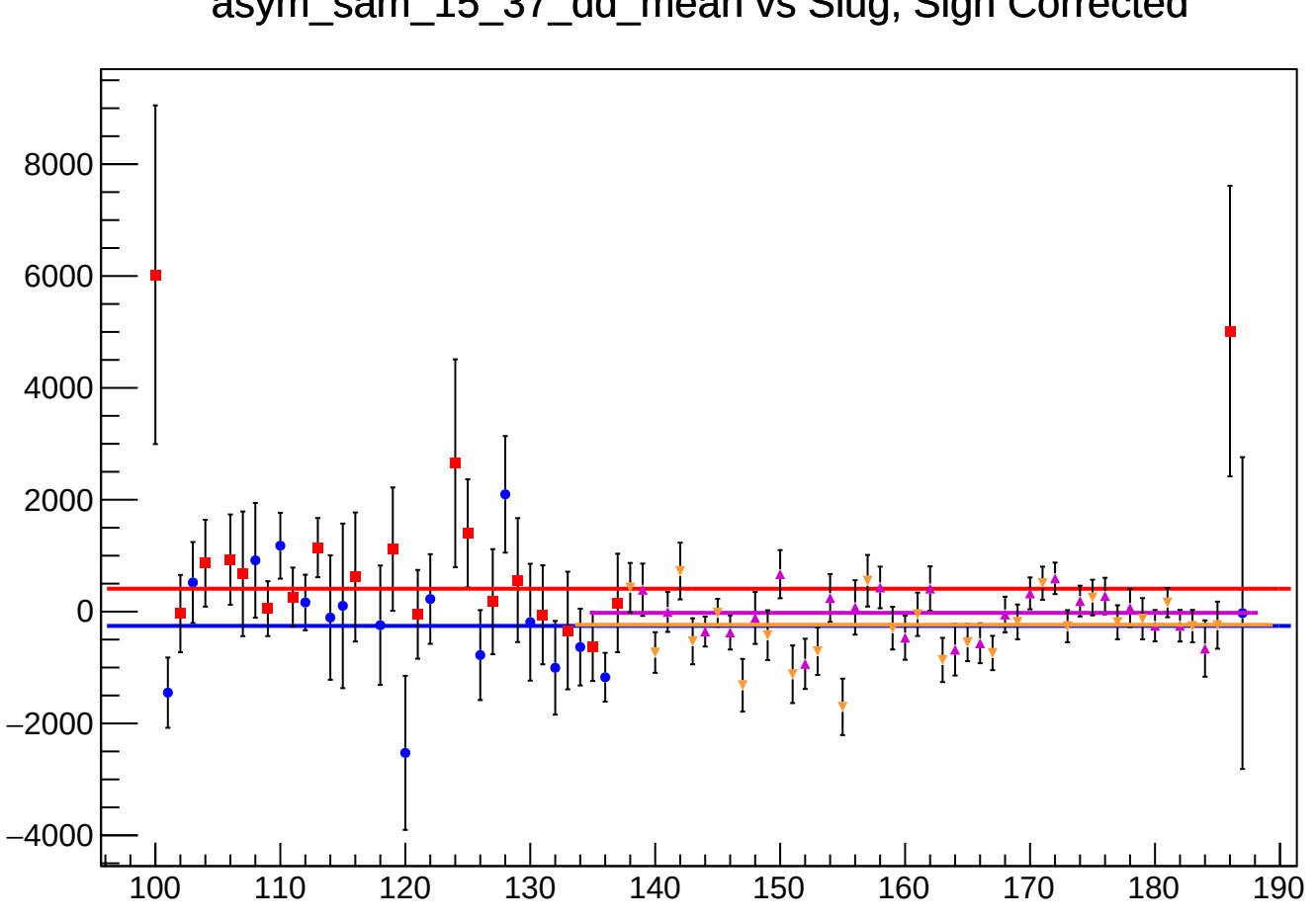
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 466.404+/-0.088 χ^2/NDF: 2617888.1/36

In: 323.820+/-0.047 χ^2/NDF:3921649.0/39

Out: 322.406+/-0.046 χ^2/NDF:4583894.0/44

All: 323.092+/-0.033 χ^2/NDF: 8506007.0/84



Right In: -255.725+/-186.046 χ^2/NDF: 26.9/16

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 409.150+/-181.915 χ^2/NDF: 17.4/19

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

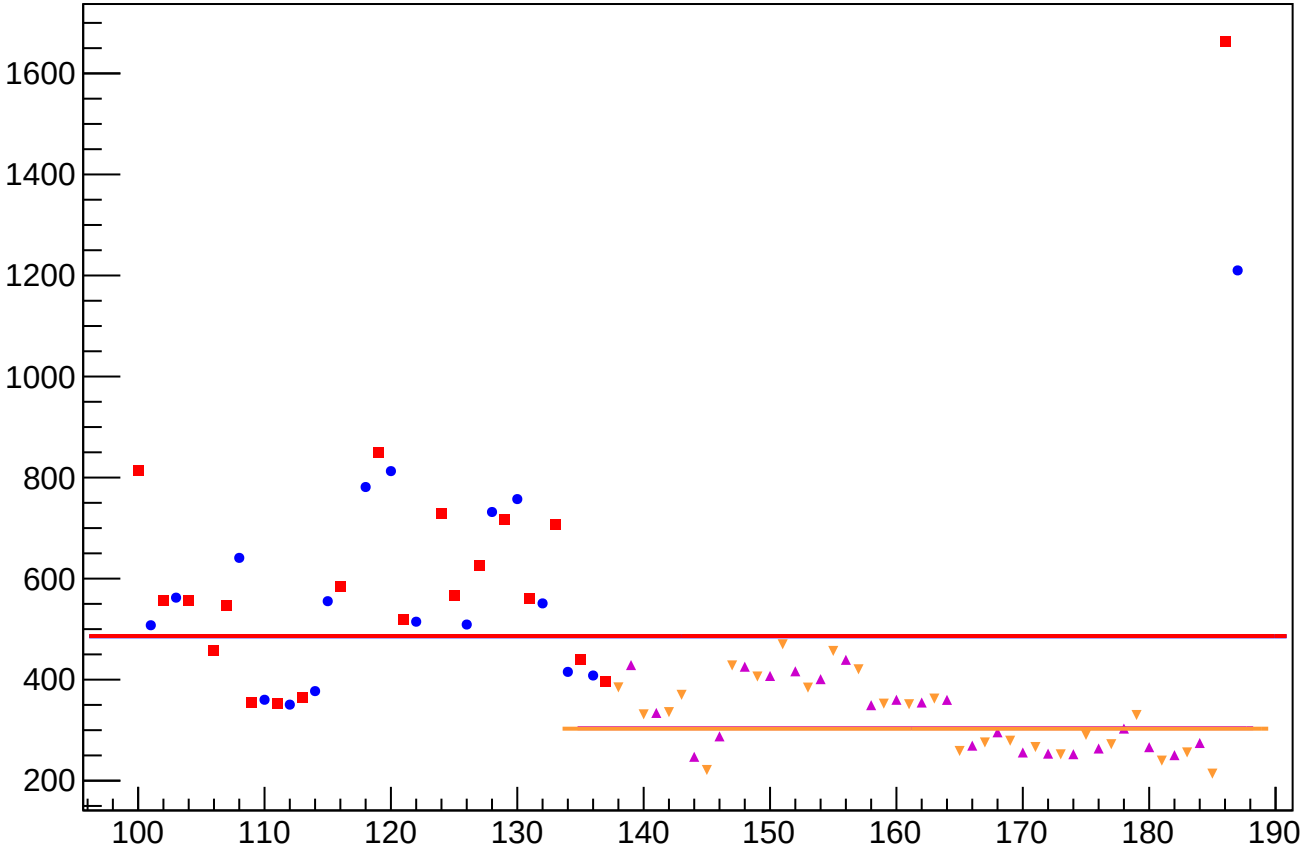
Right: 84.176+/-130.069 χ^2/NDF: 50.9/36

In: -53.493+/-67.667 χ^2/NDF:58.1/39

Out: -150.533+/-65.932 χ^2/NDF:75.7/44

All: -103.274+/-47.222 χ^2/NDF: 135.0/84

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 485.752+/-0.132 χ^2/NDF: 1082135.7/16

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 486.358+/-0.129 χ^2/NDF: 1406133.5/19

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

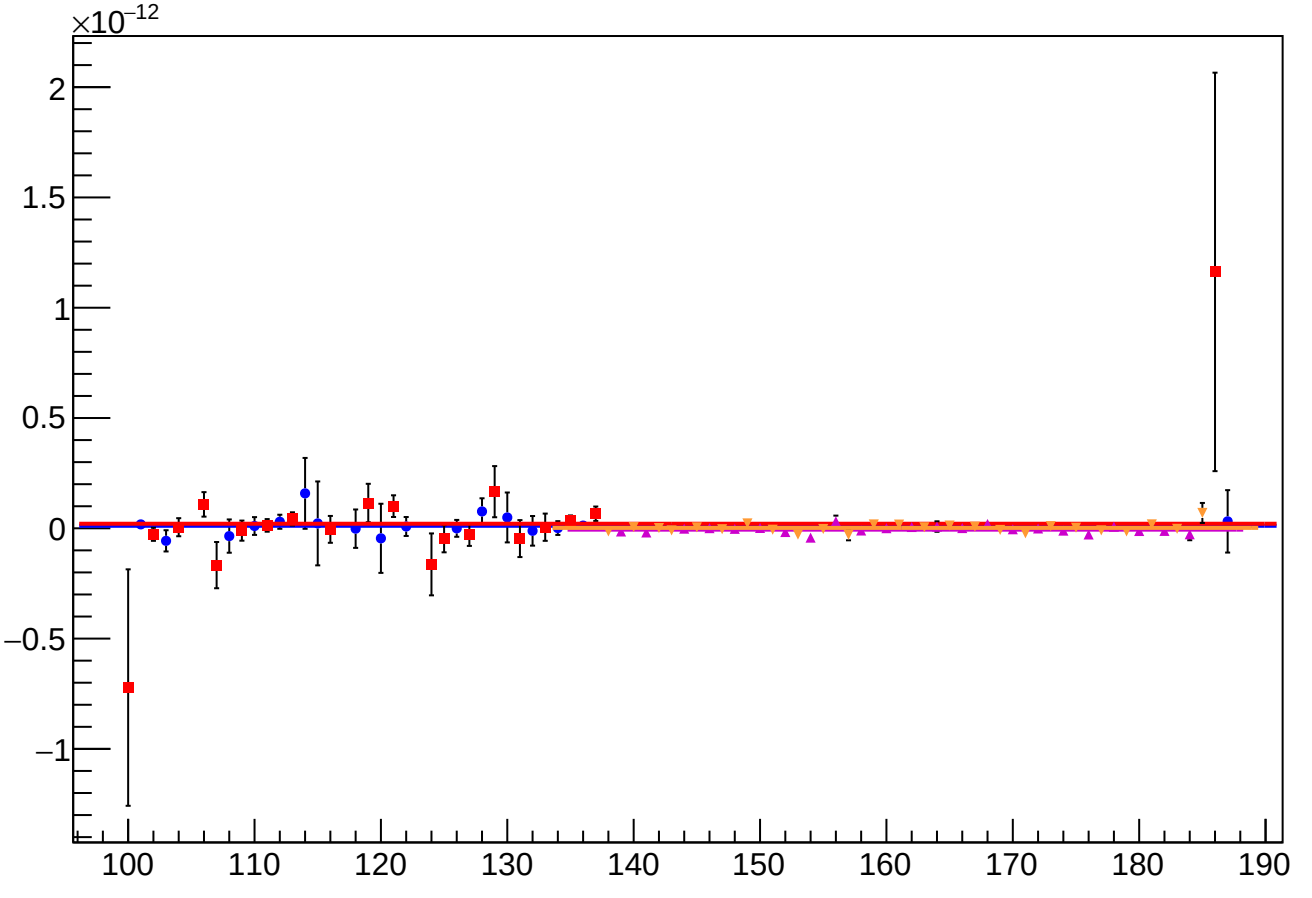
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 486.062+/-0.092 χ^2/NDF: 2488280.0/36

In: 327.976+/-0.048 χ^2/NDF:4116069.9/39

Out: 327.036+/-0.047 χ^2/NDF:4938235.2/44

All: 327.494+/-0.033 χ^2/NDF: 9054503.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 5.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/19

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

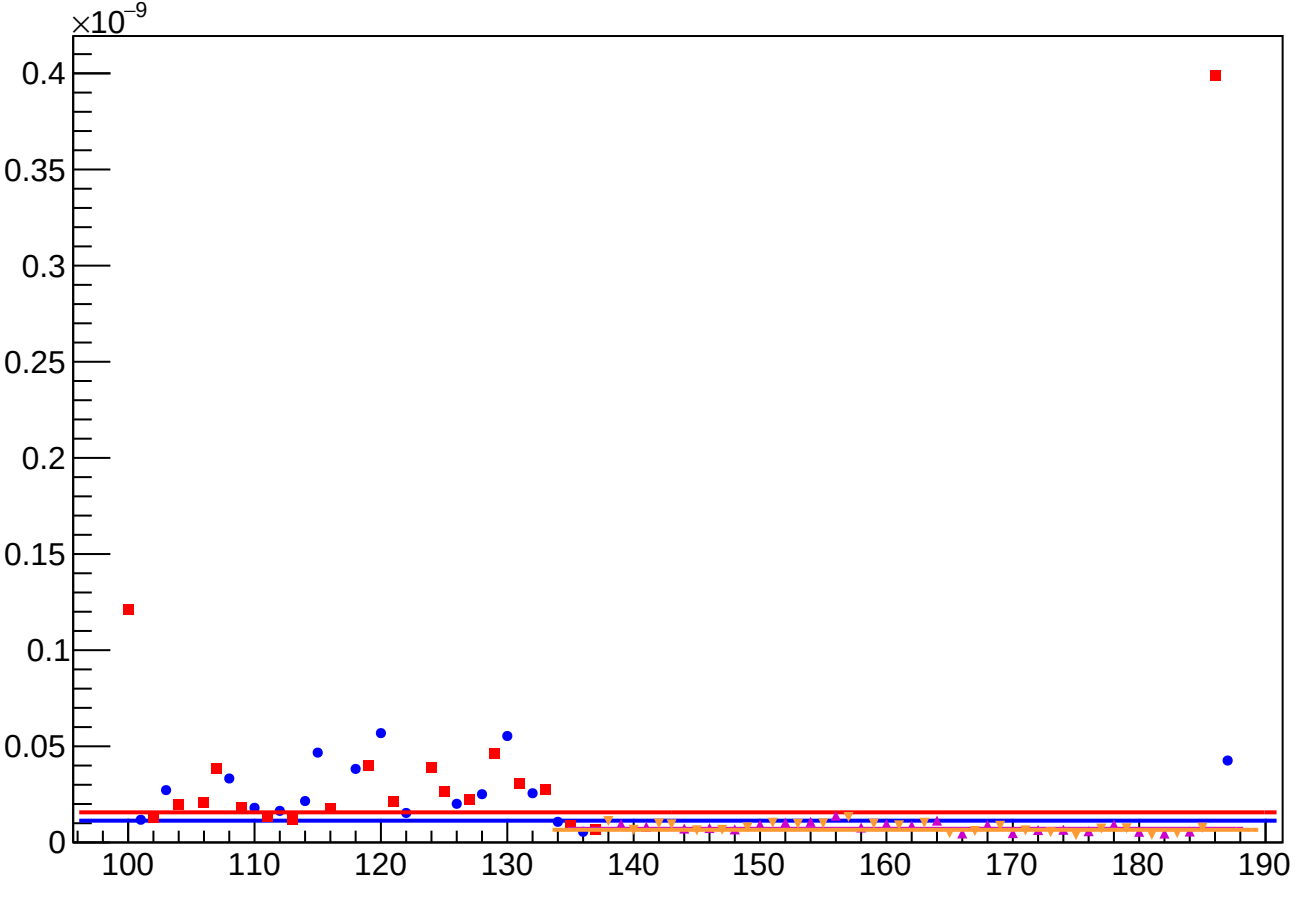
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 31.3/36

In: -0.000+/-0.000 χ^2/NDF:27.9/39

Out: 0.000+/-0.000 χ^2/NDF:51.3/44

All: -0.000+/-0.000 χ^2/NDF: 83.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 2201118.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1544577.5/19

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

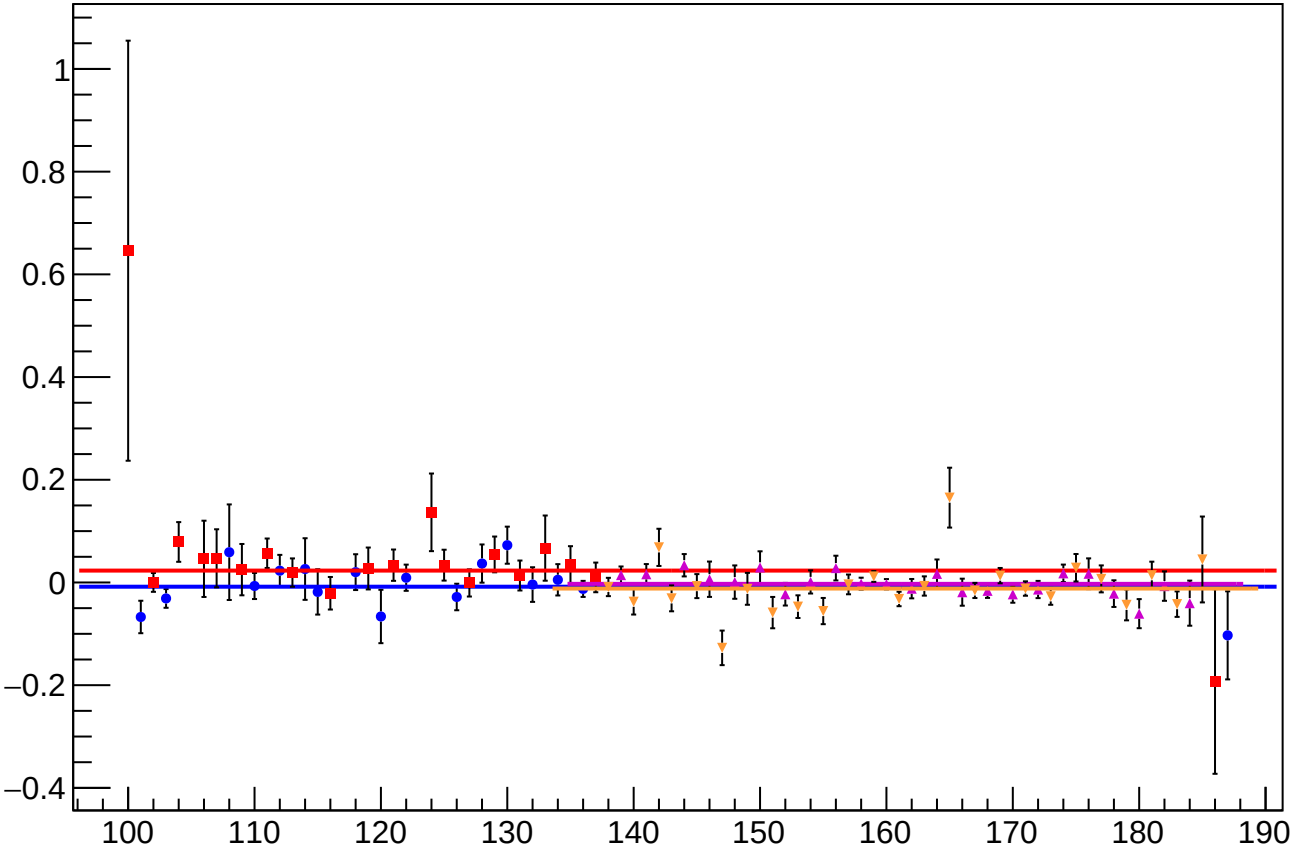
Right: 0.000+/-0.000 χ^2/NDF: 3967595.8/36

In: 0.000+/-0.000 χ^2/NDF:3682101.0/39

Out: 0.000+/-0.000 χ^2/NDF:4494886.0/44

All: 0.000+/-0.000 χ^2/NDF: 8204825.0/84

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.023+/-0.008 χ^2/NDF: 16.1/19

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

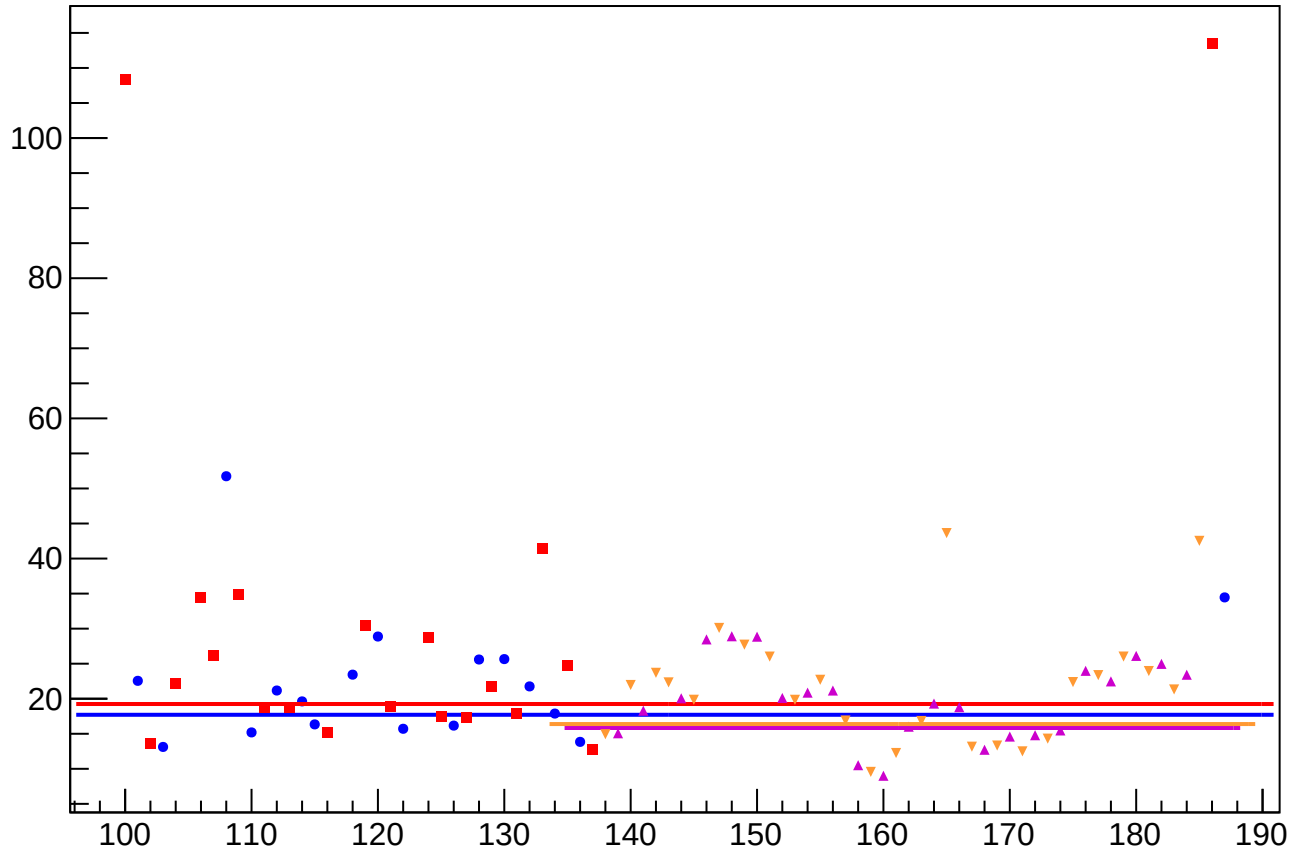
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.006+/-0.005 χ^2/NDF: 42.9/36

In: -0.004+/-0.004 χ^2/NDF:38.1/39

Out: -0.004+/-0.004 χ^2/NDF:85.5/44

All: -0.004+/-0.003 χ^2/NDF: 123.7/84



Right In: 17.709+/-0.005 χ^2/NDF: 1070029.3/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 19.247+/-0.005 χ^2/NDF: 1798460.3/19

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

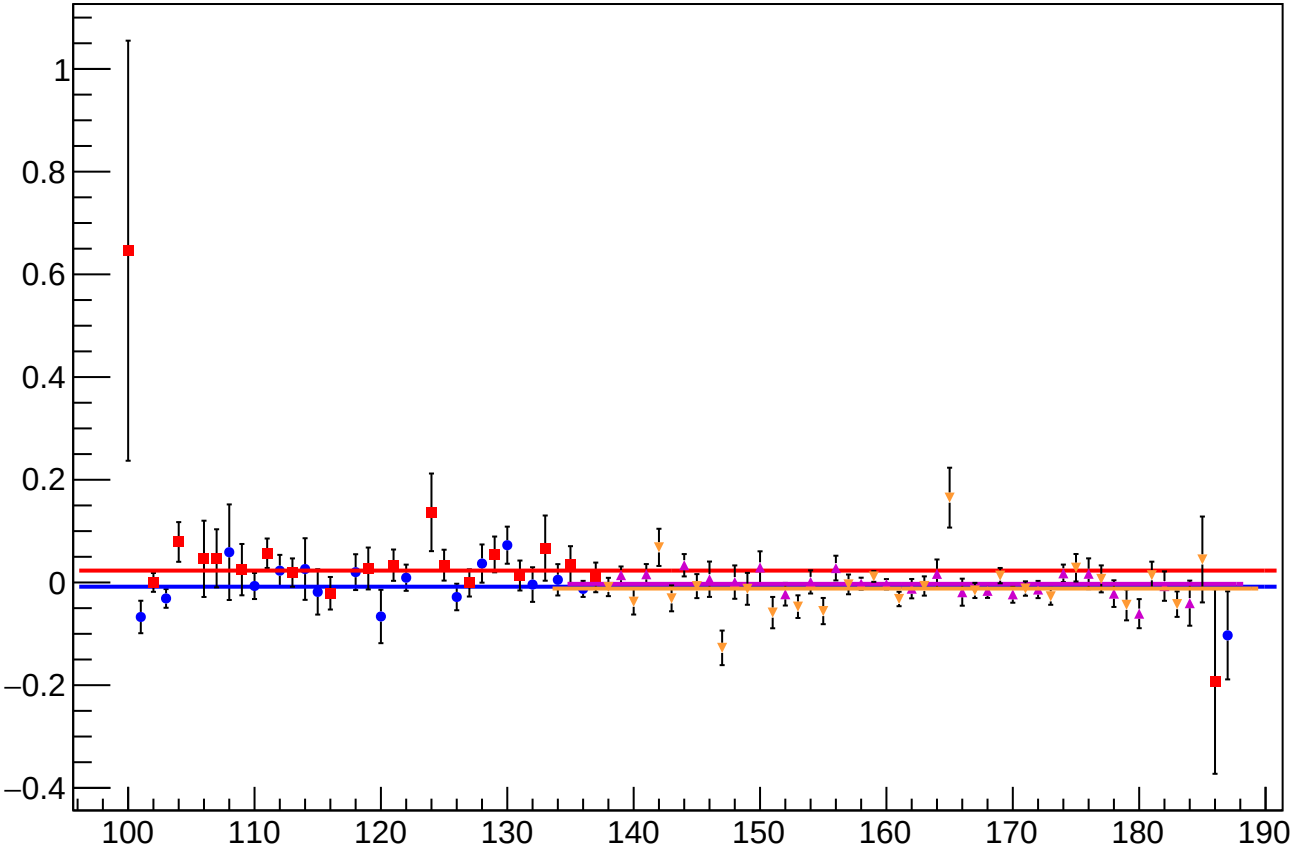
Right: 18.420+/-0.004 χ^2/NDF: 2910952.6/36

In: 16.278+/-0.002 χ^2/NDF:4829386.4/39

Out: 17.006+/-0.003 χ^2/NDF:6042564.9/44

All: 16.634+/-0.002 χ^2/NDF: 10913869.2/84

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.023+/-0.008 χ^2/NDF: 16.1/19

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

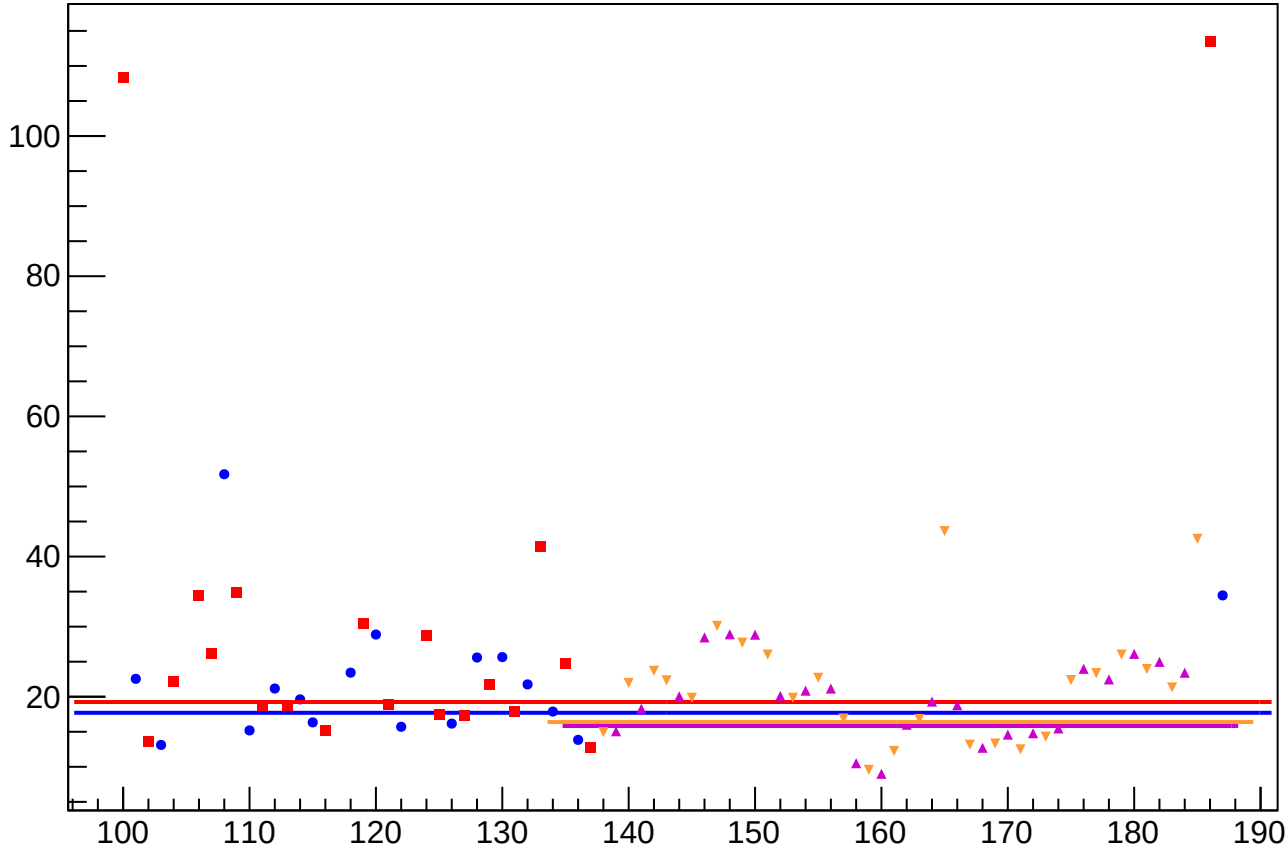
Right: 0.006+/-0.005 χ^2/NDF: 42.9/36

In: -0.004+/-0.004 χ^2/NDF:38.1/39

Out: -0.004+/-0.004 χ^2/NDF:85.5/44

All: -0.004+/-0.003 χ^2/NDF: 123.7/84

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.709+/-0.005 χ^2/NDF: 1070029.3/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 19.247+/-0.005 χ^2/NDF: 1798460.3/19

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

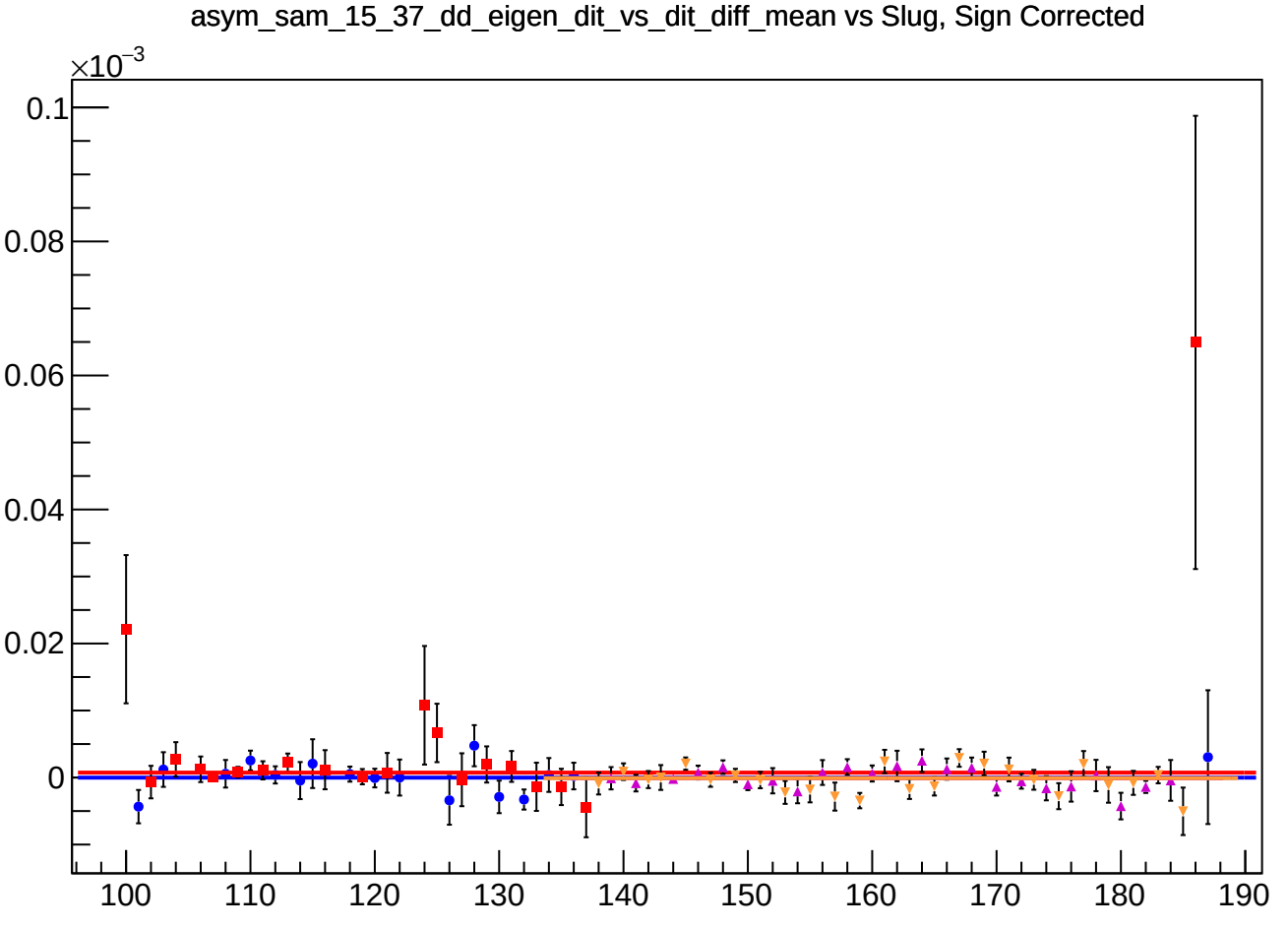
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 18.420+/-0.004 χ^2/NDF: 2910952.6/36

In: 16.278+/-0.002 χ^2/NDF:4829386.4/39

Out: 17.006+/-0.003 χ^2/NDF:6042564.9/44

All: 16.634+/-0.002 χ^2/NDF: 10913869.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/19

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

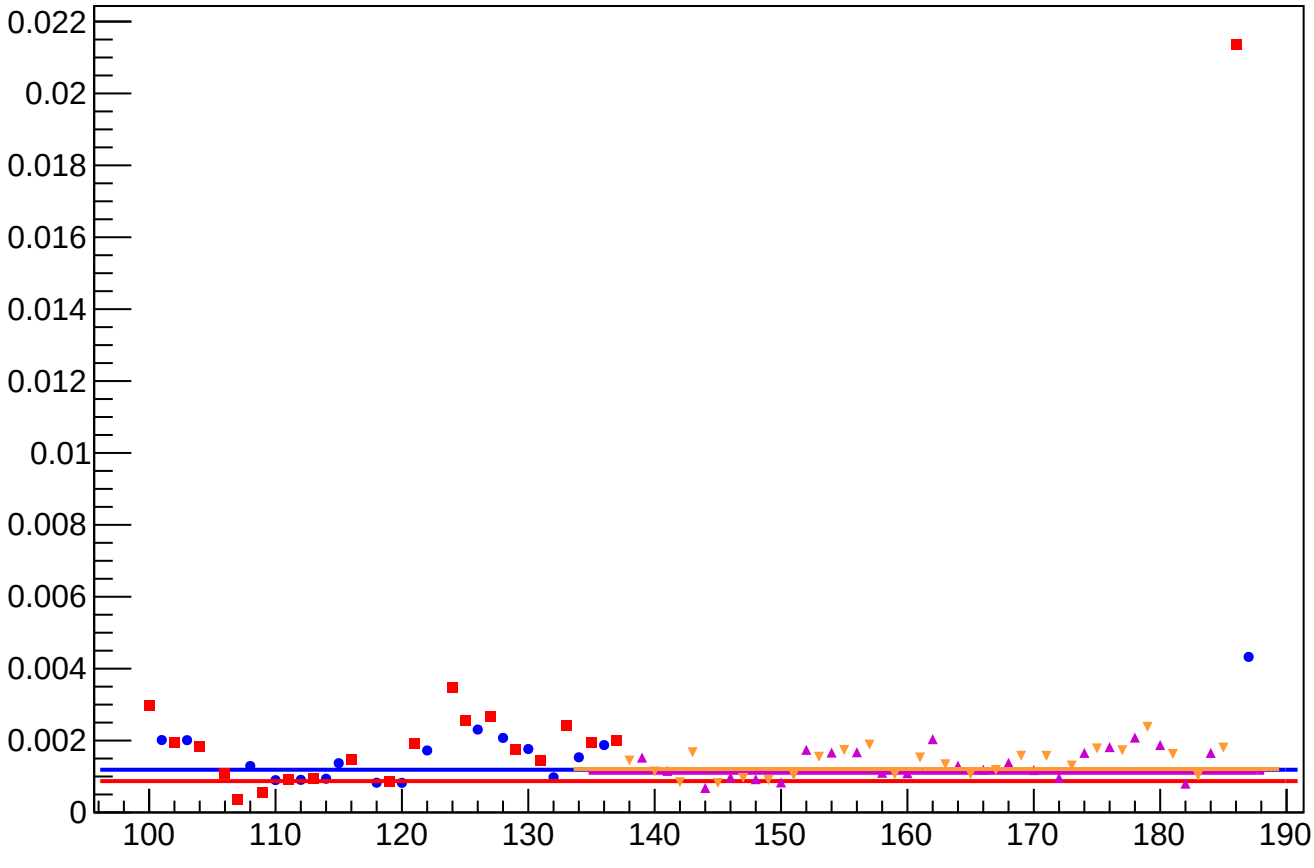
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: 0.000+/-0.000 χ^2/NDF: 34.6/36

In: -0.000+/-0.000 χ^2/NDF:38.6/39

Out: 0.000+/-0.000 χ^2/NDF:55.6/44

All: 0.000+/-0.000 χ^2/NDF: 94.9/84



Right In: 0.001+/-0.000 χ^2/NDF: 2026506.0/16

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5169267.5/19

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

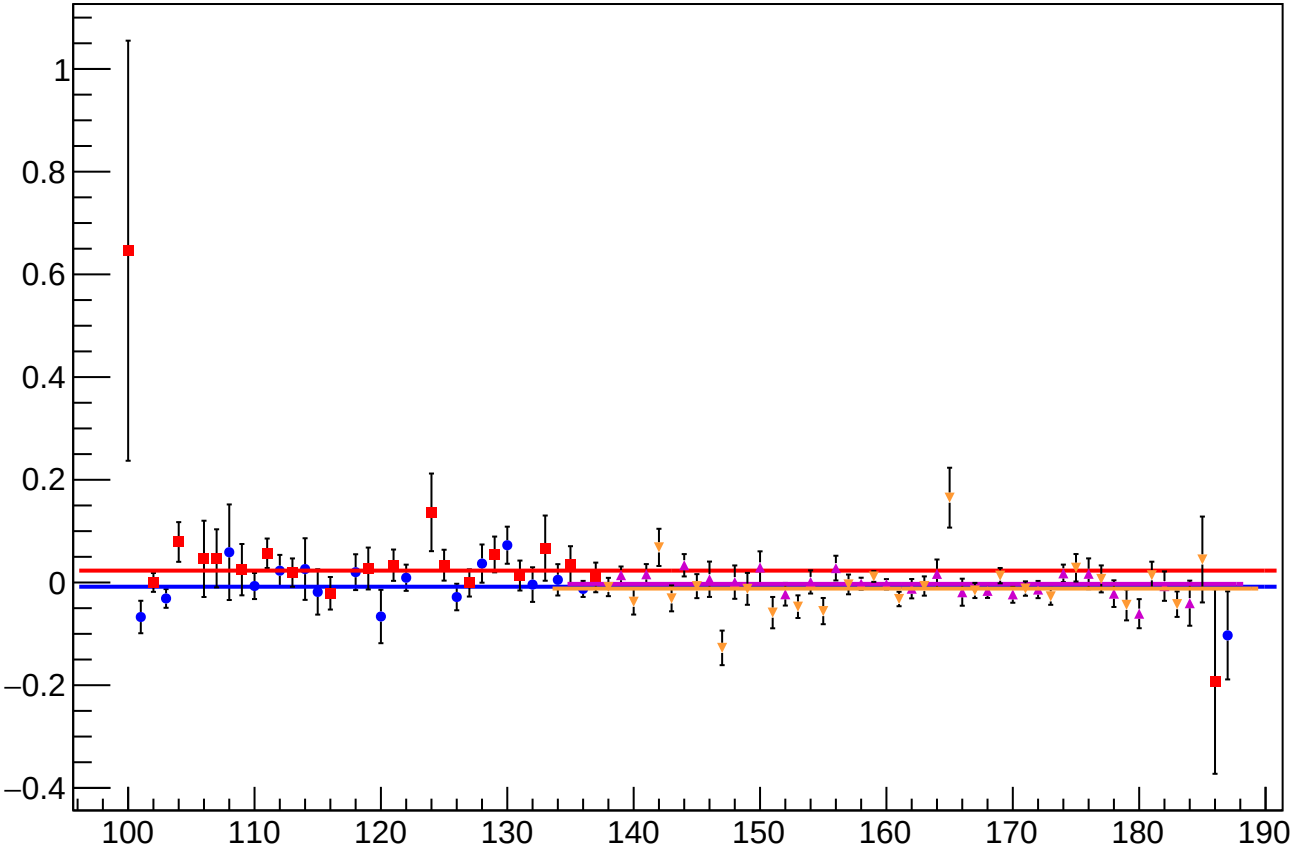
Right: 0.001+/-0.000 χ^2/NDF: 7738397.4/36

In: 0.001+/-0.000 χ^2/NDF:5569043.1/39

Out: 0.001+/-0.000 χ^2/NDF:8877109.5/44

All: 0.001+/-0.000 χ^2/NDF: 14474970.3/84

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.023+/-0.008 χ^2/NDF: 16.1/19

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

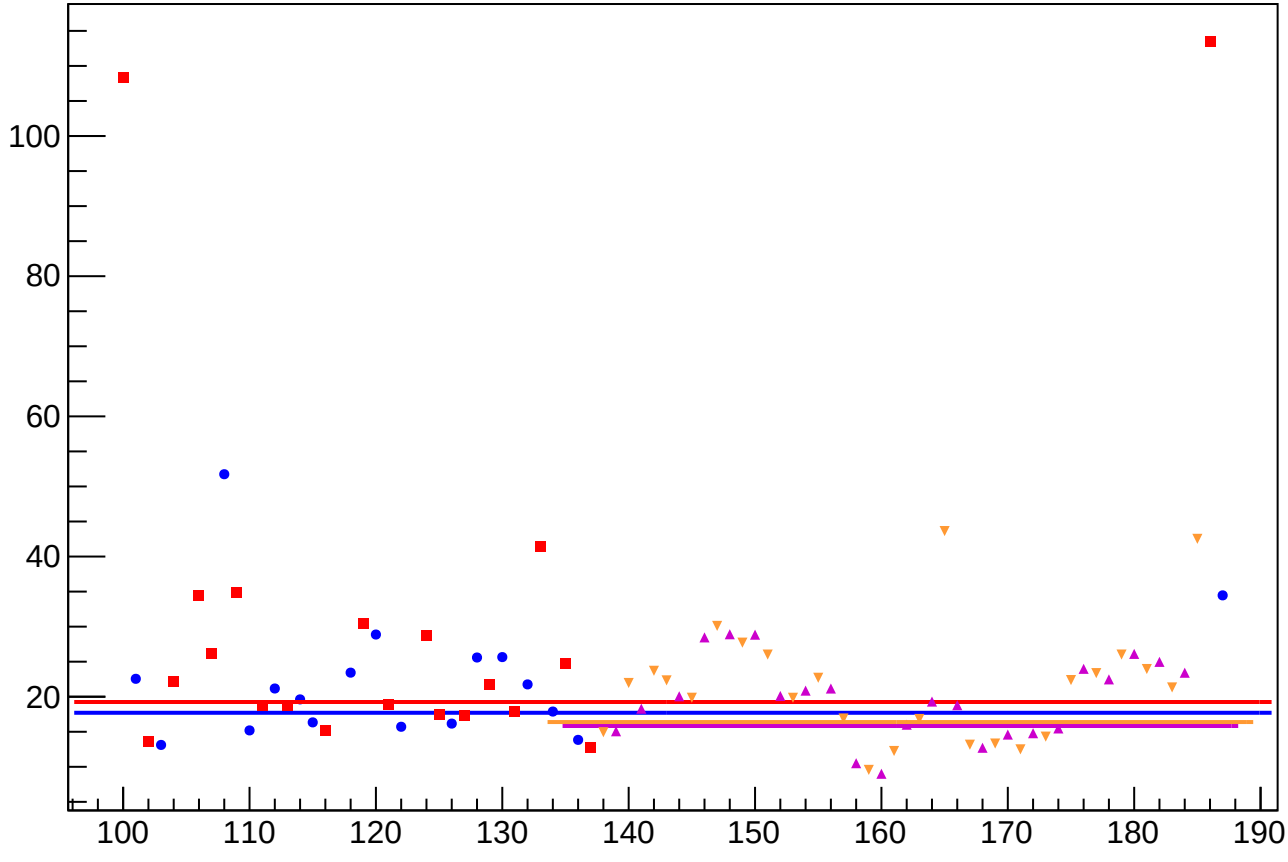
Right: 0.006+/-0.005 χ^2/NDF: 42.9/36

In: -0.004+/-0.004 χ^2/NDF:38.1/39

Out: -0.004+/-0.004 χ^2/NDF:85.5/44

All: -0.004+/-0.003 χ^2/NDF: 123.7/84

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.709+/-0.005 χ^2/NDF: 1070088.7/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 19.247+/-0.005 χ^2/NDF: 1798368.1/19

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

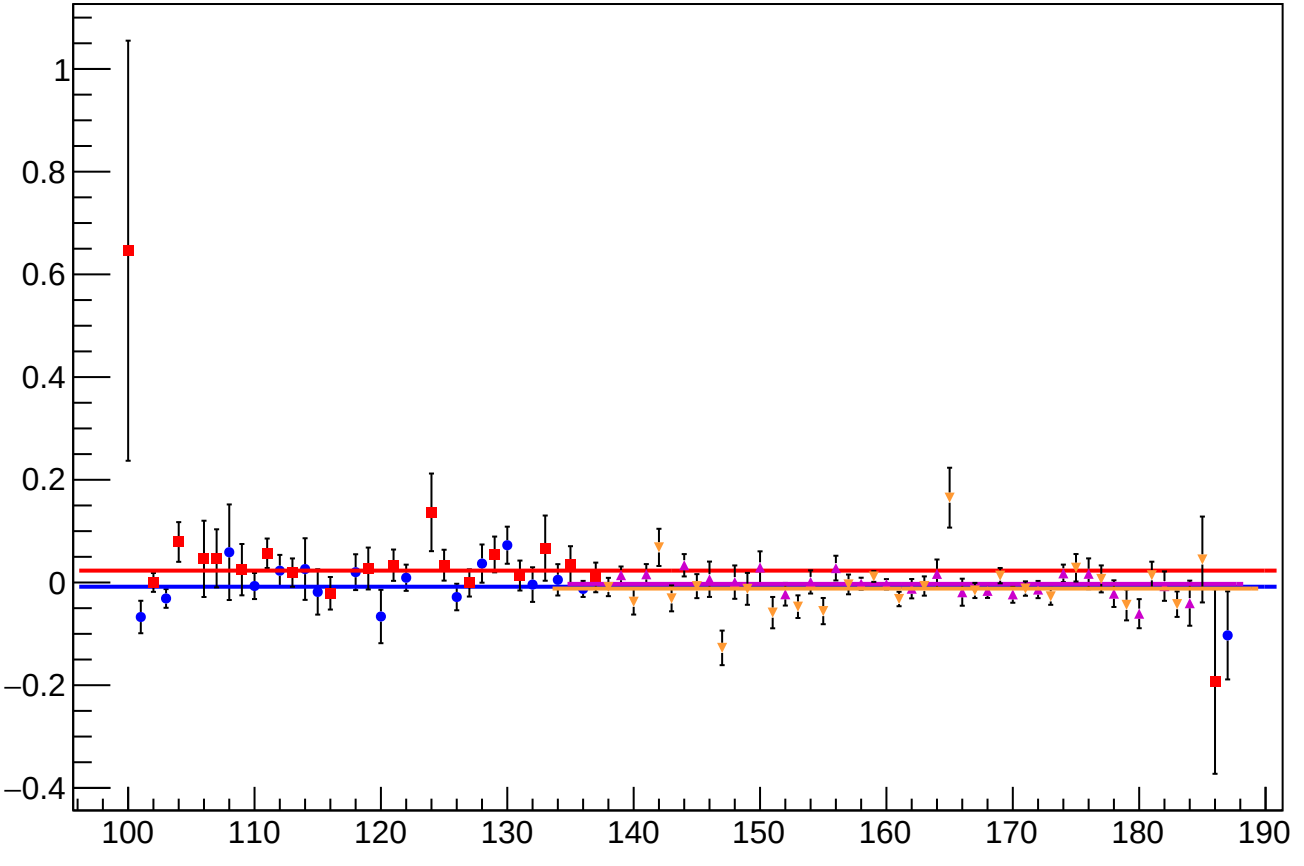
Right: 18.421+/-0.004 χ^2/NDF: 2910935.5/36

In: 16.277+/-0.002 χ^2/NDF:4829846.3/39

Out: 17.006+/-0.003 χ^2/NDF:6042802.9/44

All: 16.634+/-0.002 χ^2/NDF: 10914577.8/84

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: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.023+/-0.008 χ^2/NDF: 16.1/19

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

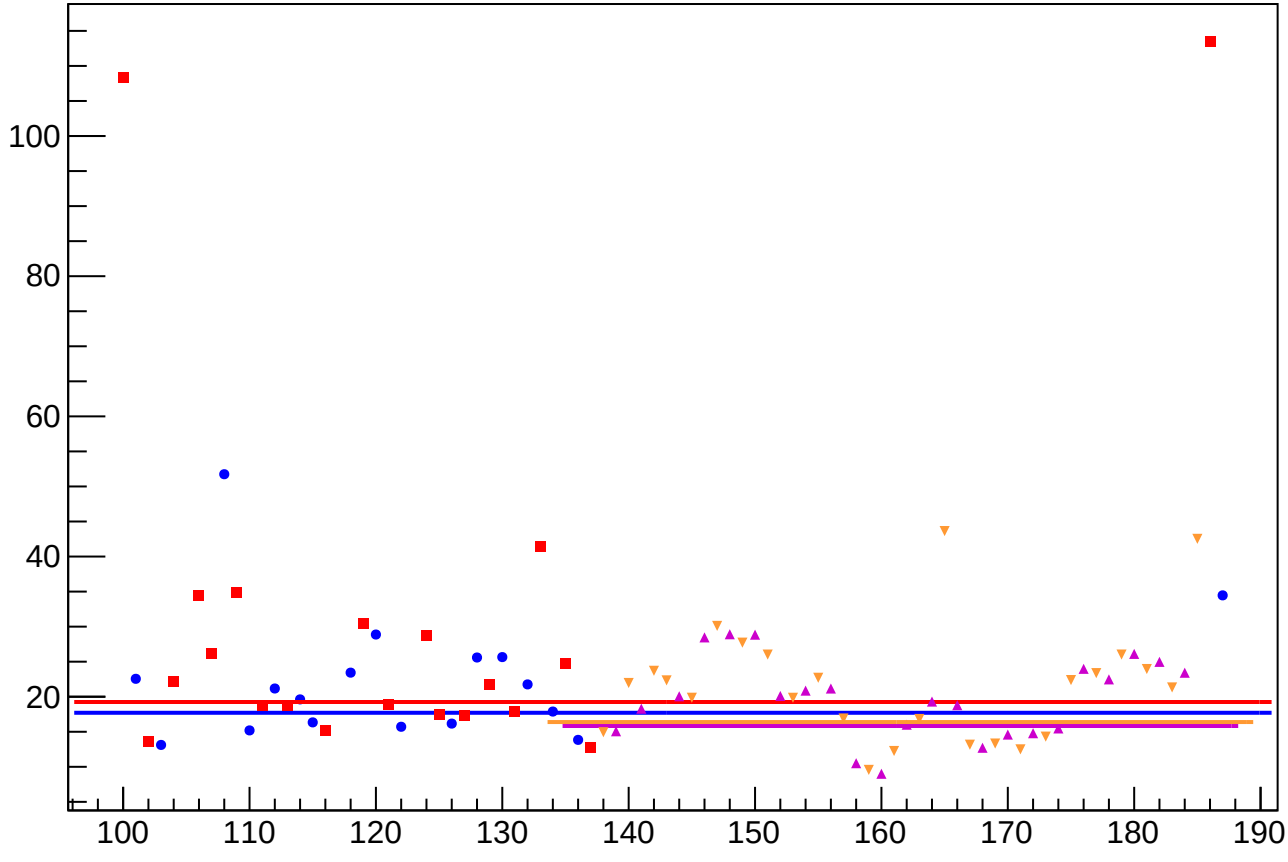
Right: 0.006+/-0.005 χ^2/NDF: 42.9/36

In: -0.004+/-0.004 χ^2/NDF:38.1/39

Out: -0.004+/-0.004 χ^2/NDF:85.5/44

All: -0.004+/-0.003 χ^2/NDF: 123.7/84

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.709+/-0.005 χ^2/NDF: 1070088.7/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 19.247+/-0.005 χ^2/NDF: 1798368.1/19

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

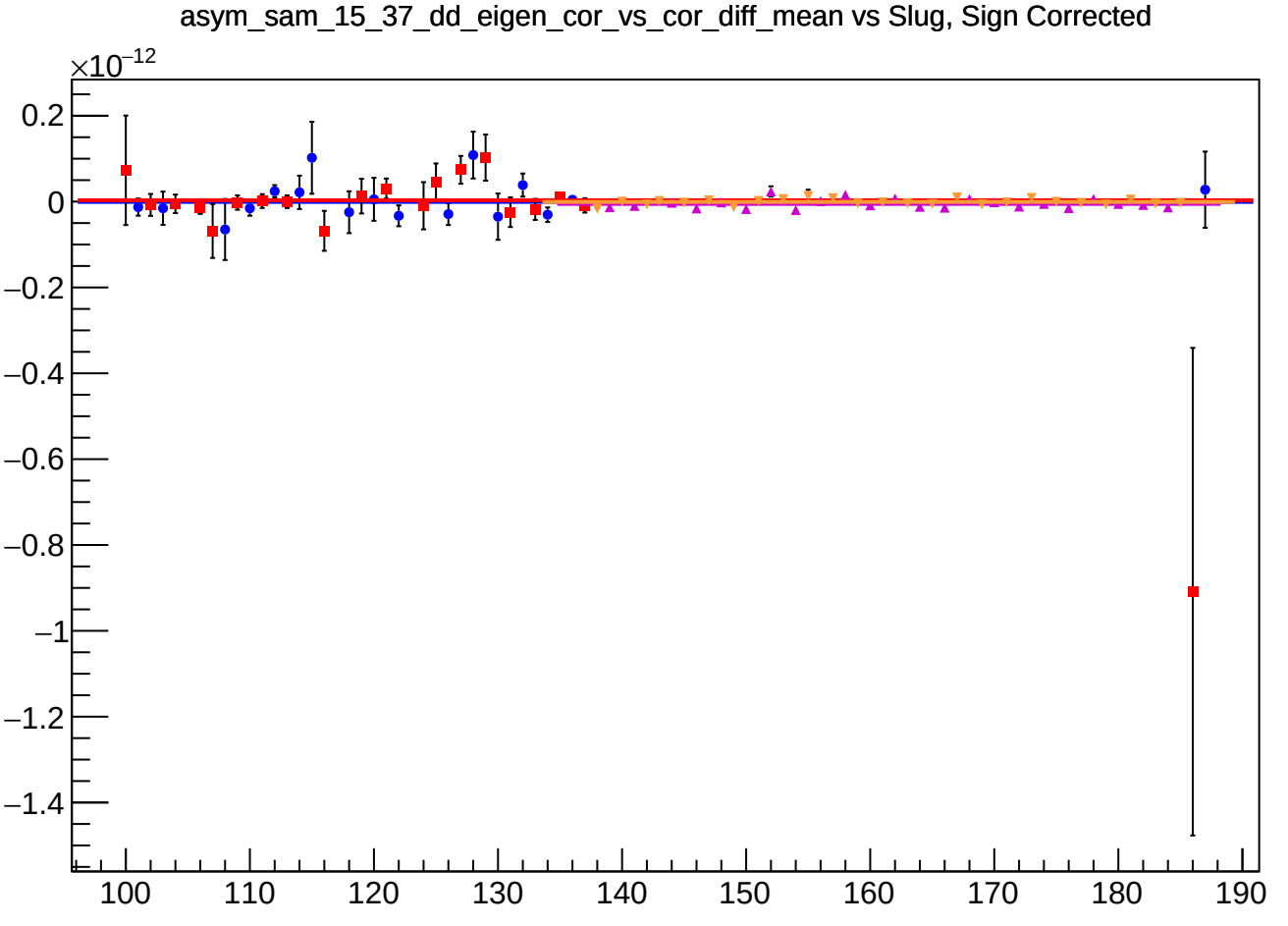
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 18.421+/-0.004 χ^2/NDF: 2910935.5/36

In: 16.277+/-0.002 χ^2/NDF:4829846.3/39

Out: 17.006+/-0.003 χ^2/NDF:6042802.9/44

All: 16.634+/-0.002 χ^2/NDF: 10914577.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/19

Left In: -0.000+/-0.000 χ^2/NDF:37.9/22

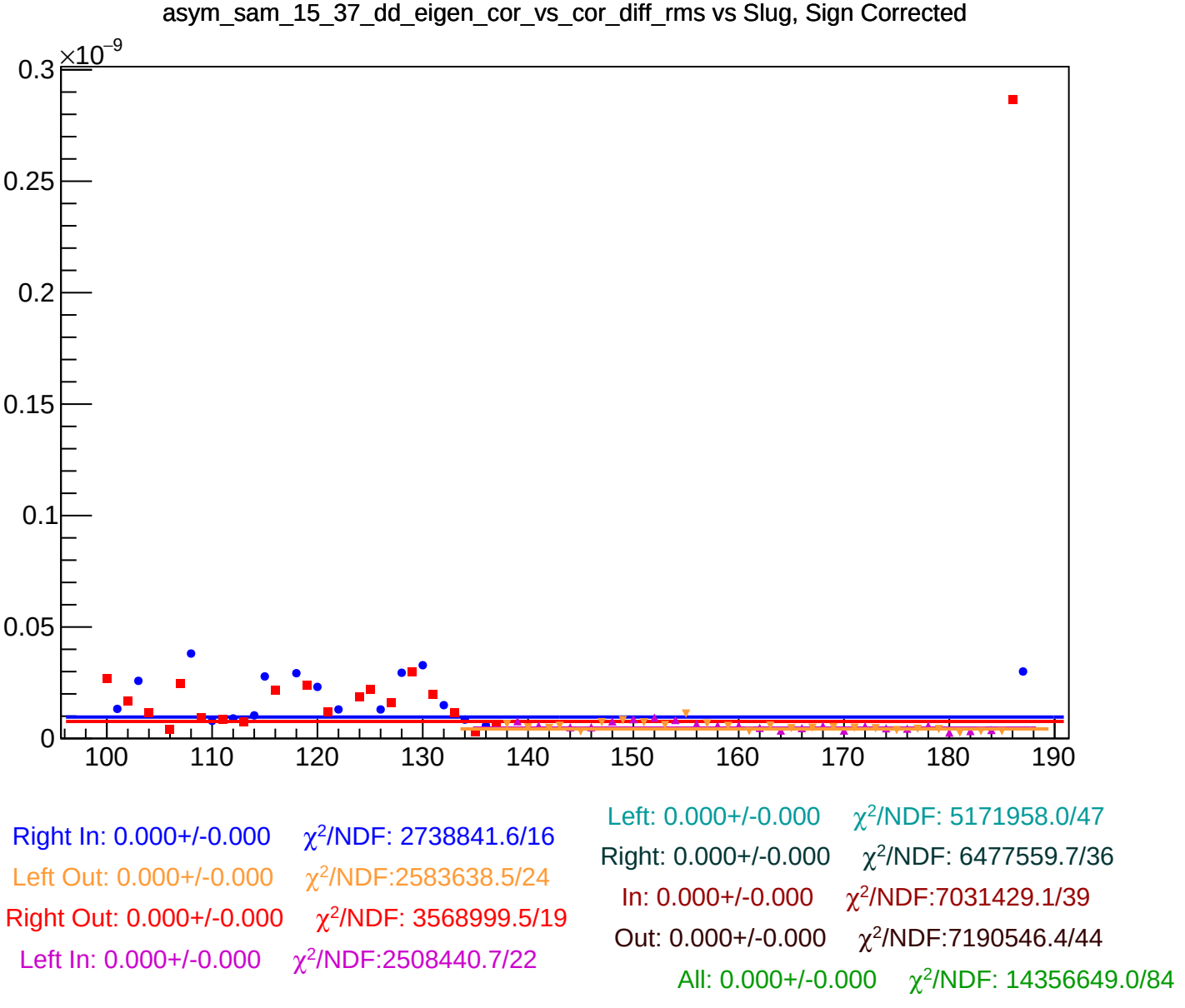
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

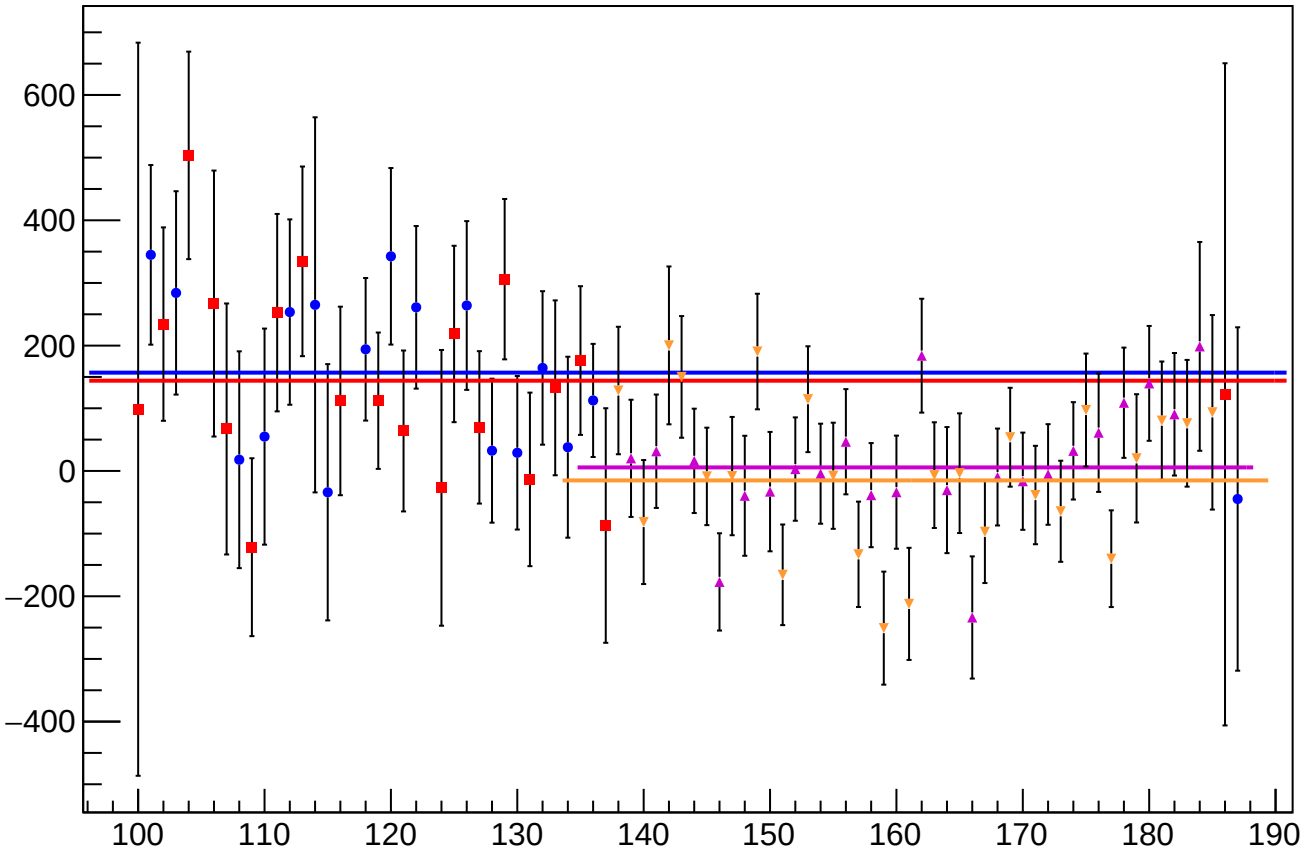
Right: 0.000+/-0.000 χ^2/NDF: 42.4/36

In: -0.000+/-0.000 χ^2/NDF:59.1/39

Out: -0.000+/-0.000 χ^2/NDF:41.6/44

All: -0.000+/-0.000 χ^2/NDF: 107.0/84


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2738841.6/16
Left Out: 0.000+/-0.000 χ²/NDF:2583638.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3568999.5/19
Left In: 0.000+/-0.000 χ²/NDF:2508440.7/22
Left: 0.000+/-0.000 χ²/NDF: 5171958.0/47
Right: 0.000+/-0.000 χ²/NDF: 6477559.7/36
In: 0.000+/-0.000 χ²/NDF:7031429.1/39
Out: 0.000+/-0.000 χ²/NDF:7190546.4/44
All: 0.000+/-0.000 χ²/NDF: 14356649.0/84



Right In: 156.888+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 144.025+/-34.142 χ^2/NDF: 17.4/19

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

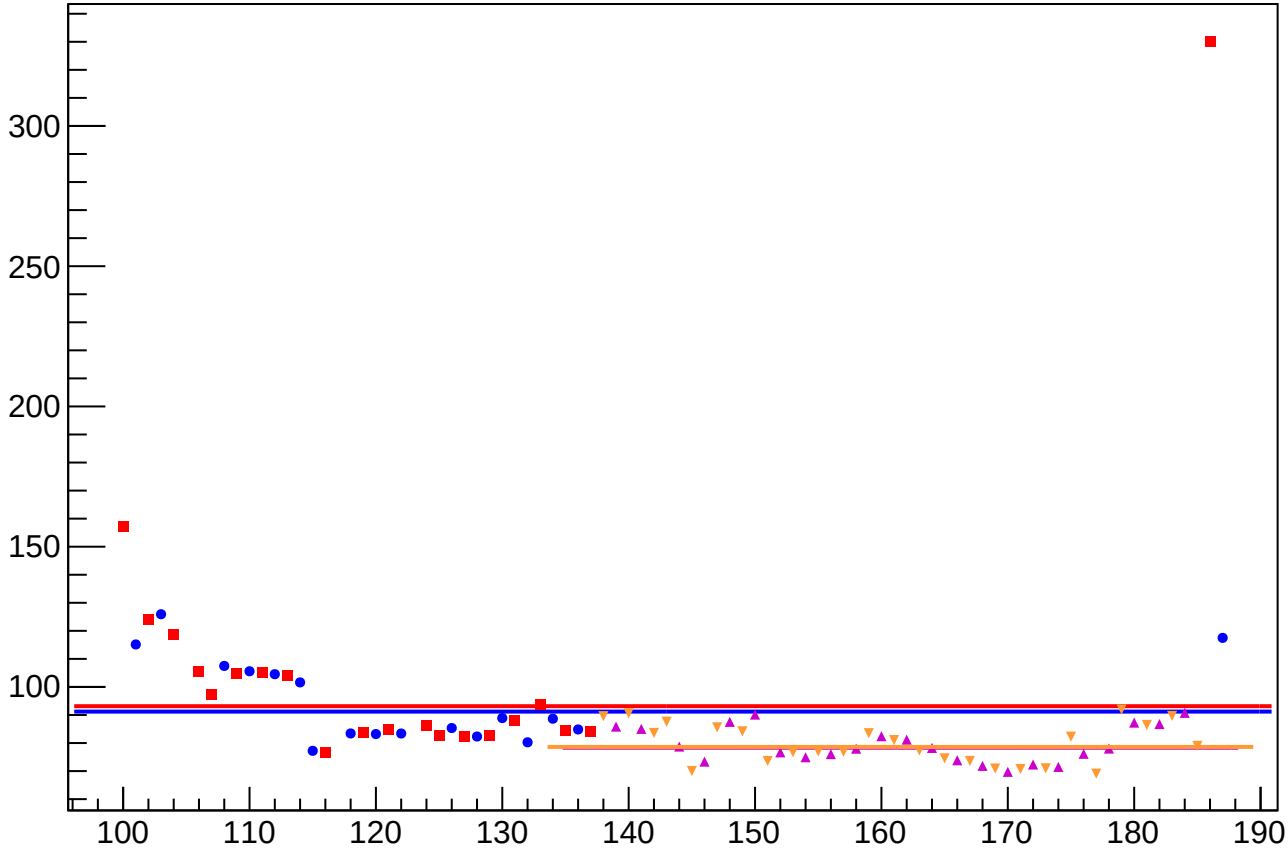
Right: 150.501+/-24.059 χ^2/NDF: 29.1/36

In: 39.986+/-16.160 χ^2/NDF:50.0/39

Out: 19.380+/-15.893 χ^2/NDF:76.1/44

All: 29.511+/-11.331 χ^2/NDF: 126.9/84

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 91.211+/-0.024 χ^2/NDF: 291445.9/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 93.134+/-0.024 χ^2/NDF: 705747.6/19

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

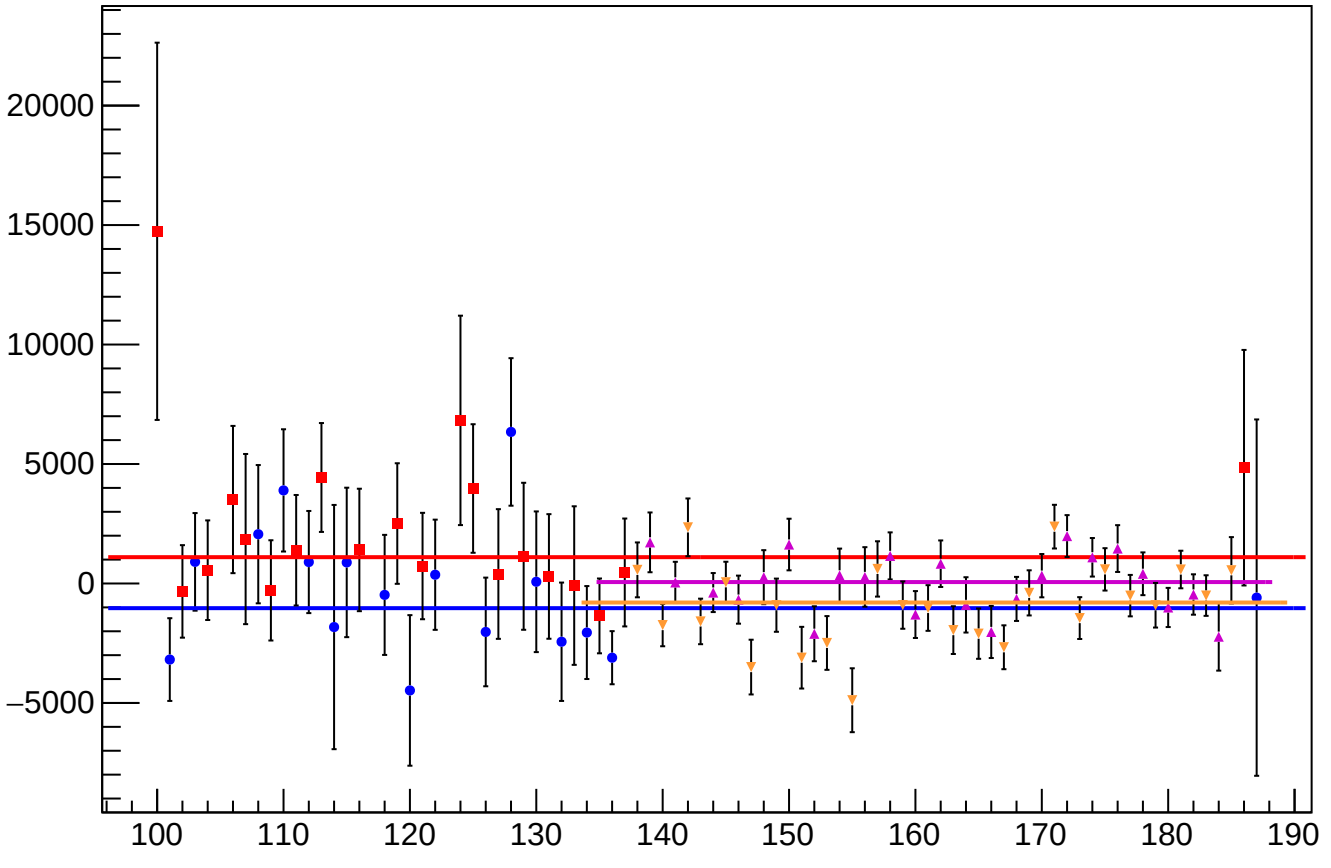
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 92.166+/-0.017 χ^2/NDF: 1000390.7/36

In: 81.259+/-0.011 χ^2/NDF:723499.9/39

Out: 81.764+/-0.011 χ^2/NDF:1296188.1/44

All: 81.516+/-0.008 χ^2/NDF: 2020679.3/84



Right In: -1032.631+/-548.715 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1101.404+/-565.182 χ^2/NDF: 13.5/19

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

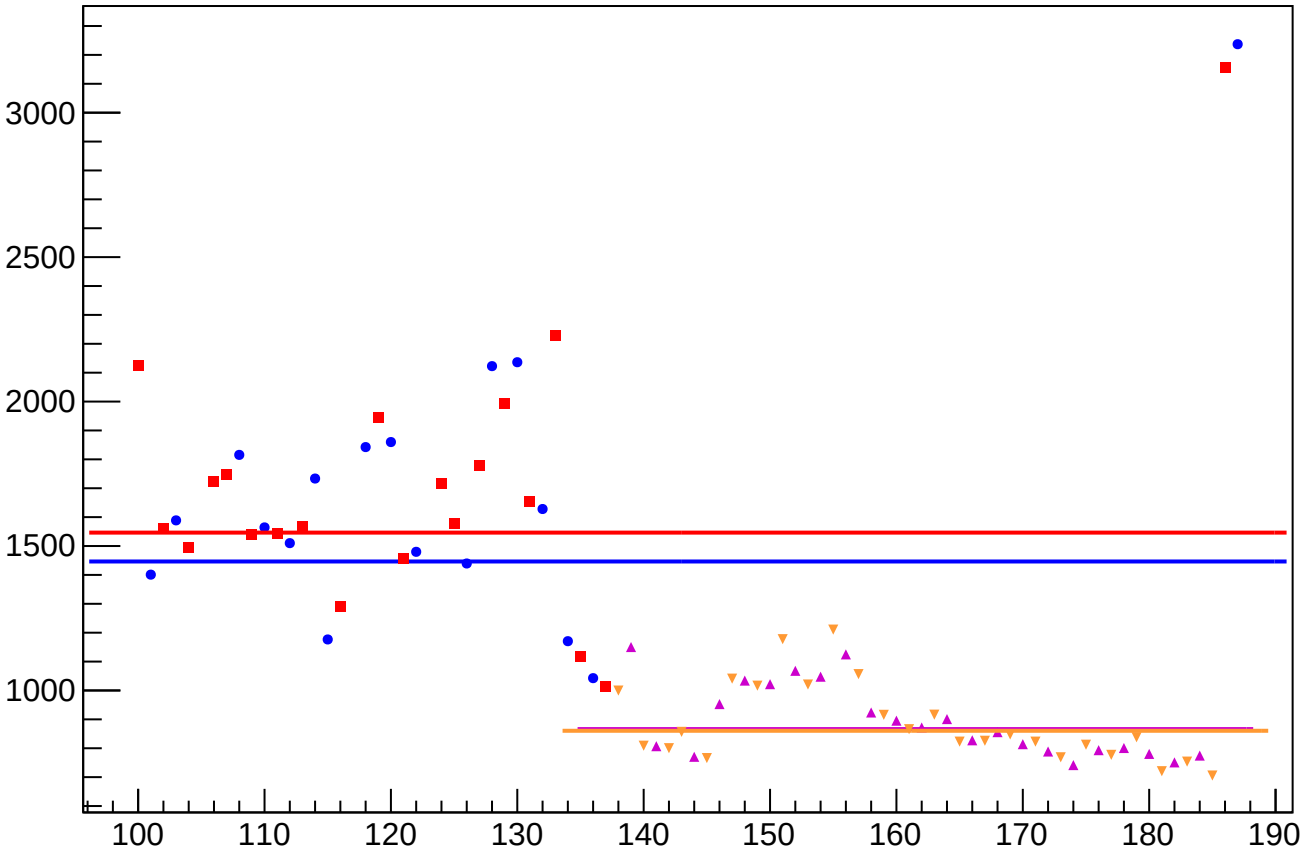
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 2.846+/-393.693 χ^2/NDF: 41.1/36

In: -73.626+/-191.573 χ^2/NDF:54.2/39

Out: -589.694+/-186.767 χ^2/NDF:83.0/44

All: -338.214+/-133.731 χ^2/NDF: 140.9/84



Right In: 1446.483+/-0.388 χ^2/NDF: 791620.8/16

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1546.418+/-0.400 χ^2/NDF: 721023.3/19

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

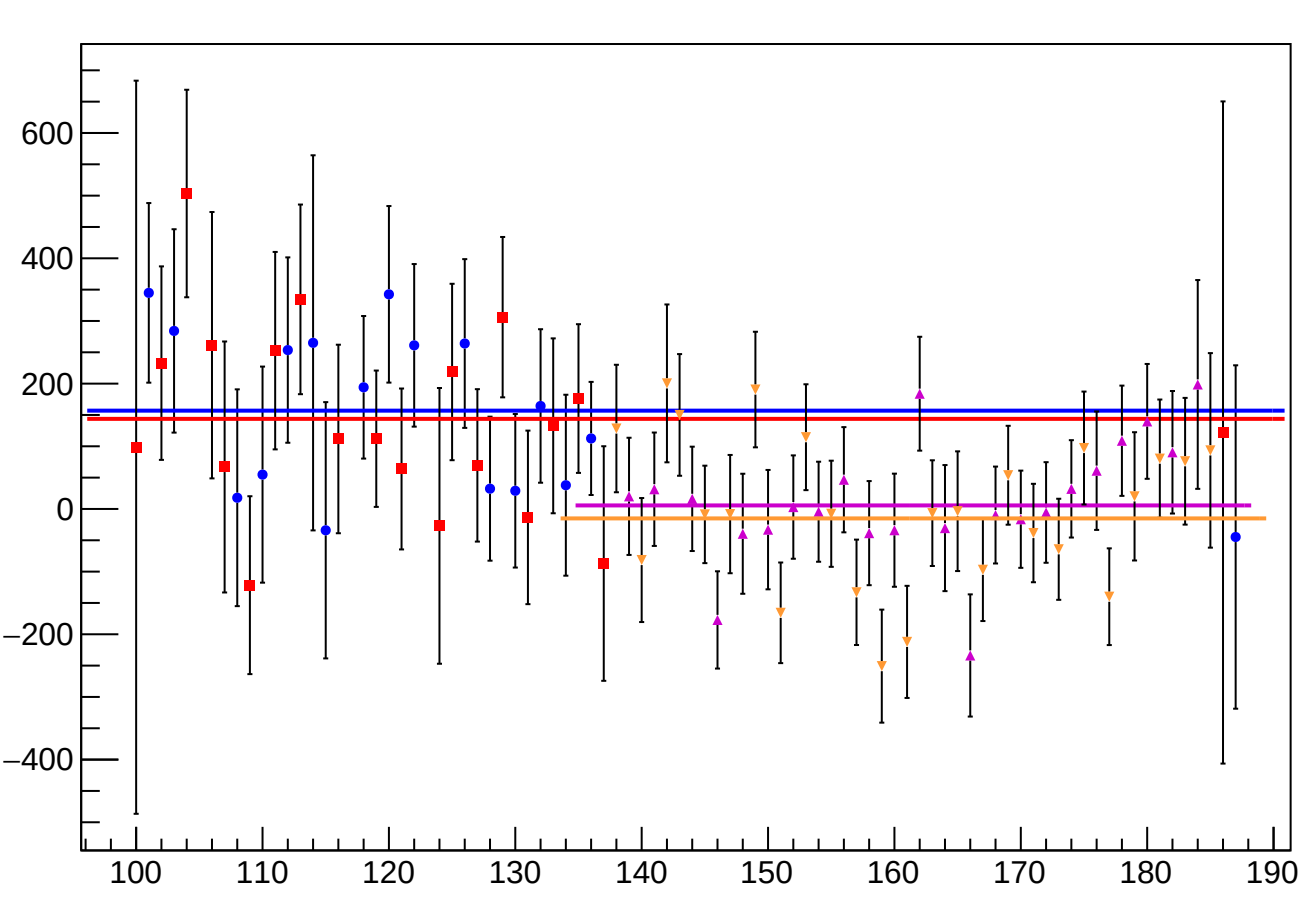
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1494.973+/-0.278 χ^2/NDF: 1544833.2/36

In: 937.064+/-0.135 χ^2/NDF:3367952.7/39

Out: 935.395+/-0.132 χ^2/NDF:4044415.7/44

All: 936.209+/-0.095 χ^2/NDF: 7412446.2/84



Right In: 156.884+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 143.771+/-34.144 χ^2/NDF: 17.3/19

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

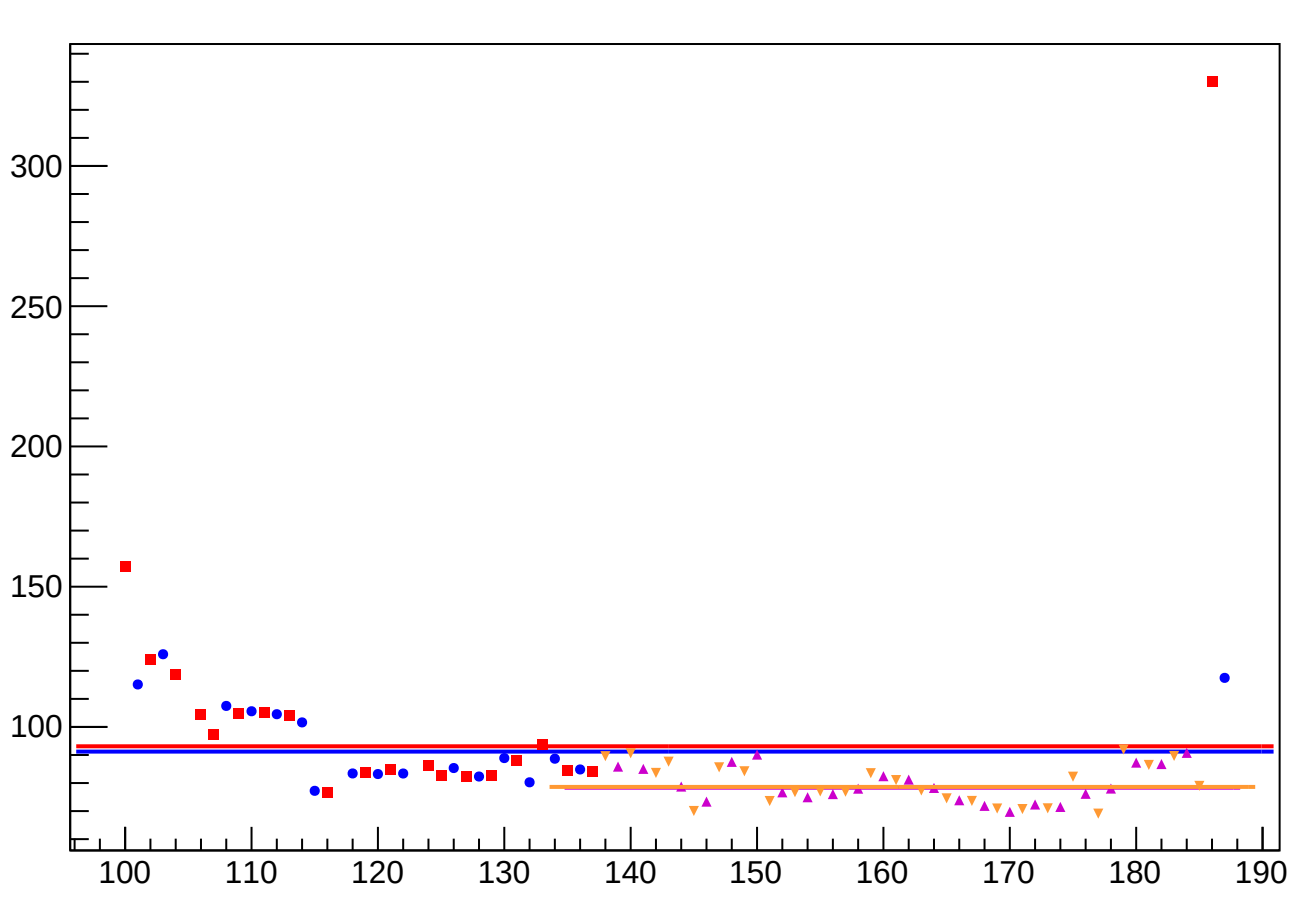
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 150.373+/-24.059 χ^2/NDF: 29.0/36

In: 39.982+/-16.160 χ^2/NDF:50.0/39

Out: 19.323+/-15.893 χ^2/NDF:76.0/44

All: 29.481+/-11.331 χ^2/NDF: 126.8/84



Right In: 91.211+/-0.024 χ^2/NDF: 291447.7/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 93.102+/-0.024 χ^2/NDF: 704595.2/19

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

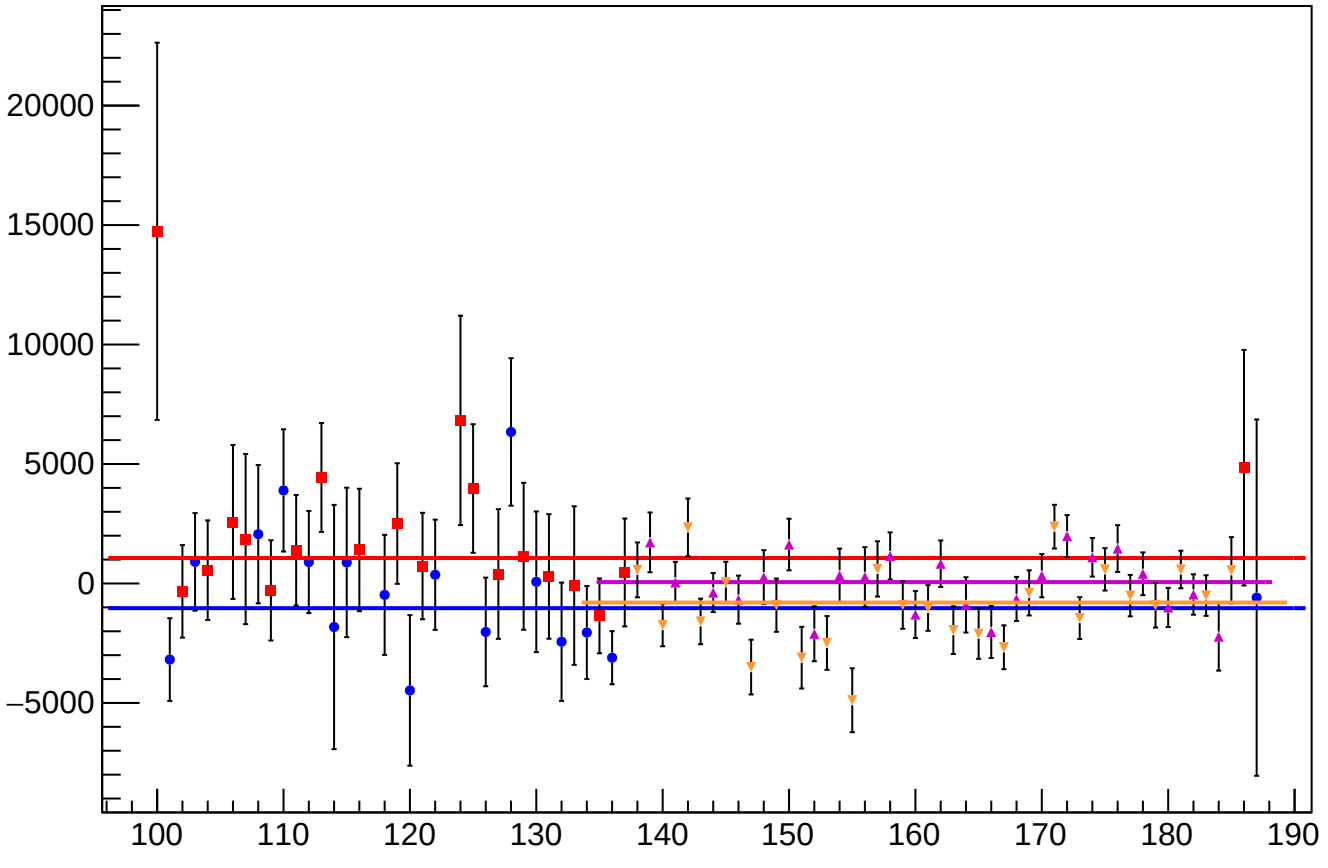
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 92.150+/-0.017 χ^2/NDF: 999131.8/36

In: 81.259+/-0.011 χ^2/NDF:723501.9/39

Out: 81.756+/-0.011 χ^2/NDF:1293729.1/44

All: 81.512+/-0.008 χ^2/NDF: 2018193.4/84



Right In: -1032.608+/-548.717 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1065.895+/-566.003 χ^2/NDF: 13.1/19

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

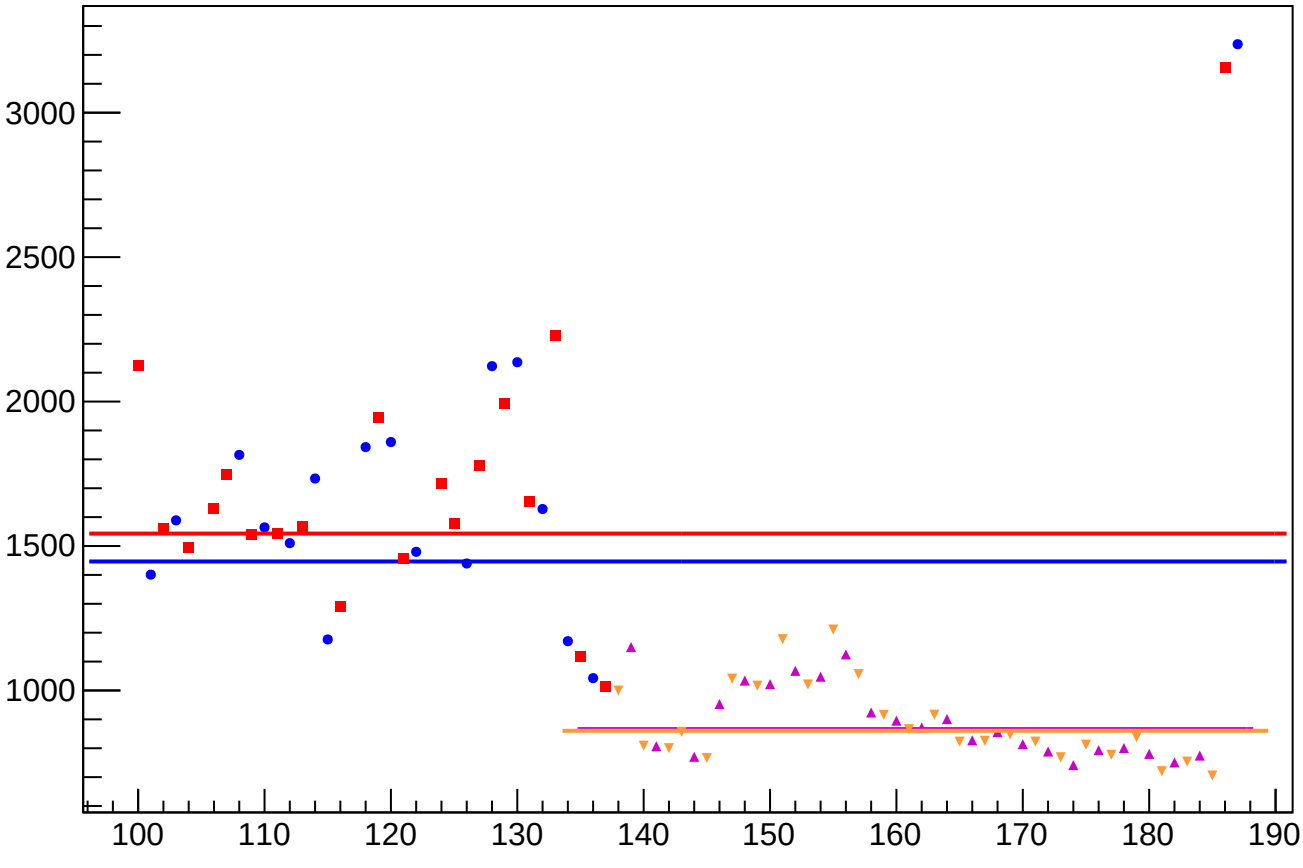
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -15.892+/-393.971 χ^2/NDF: 40.4/36

In: -73.623+/-191.573 χ^2/NDF:54.2/39

Out: -594.097+/-186.797 χ^2/NDF:82.2/44

All: -340.428+/-133.742 χ^2/NDF: 140.2/84



Right In: 1446.486+/-0.388 χ^2/NDF: 791628.9/16

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1543.066+/-0.400 χ^2/NDF: 715732.1/19

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

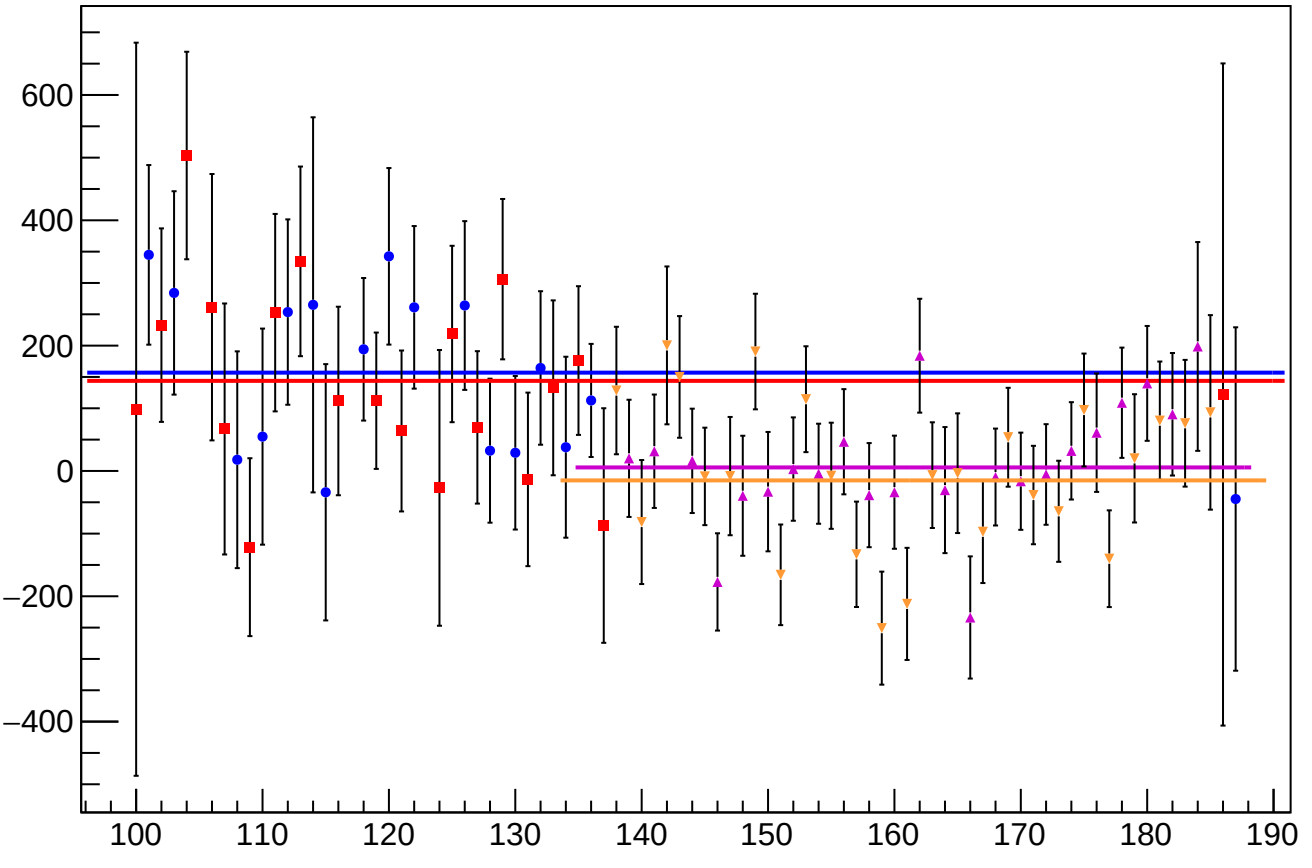
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

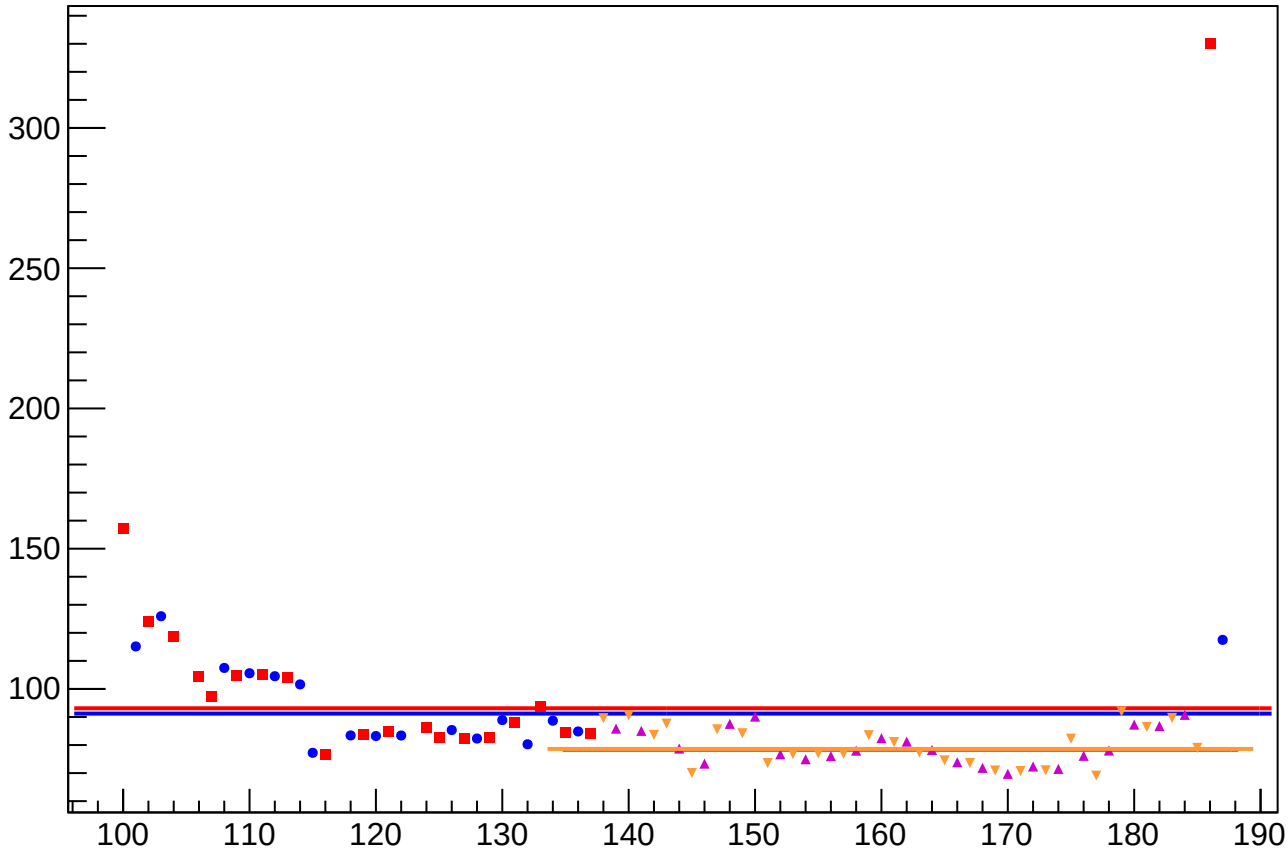
Right: 1493.279+/-0.279 χ^2/NDF: 1537380.2/36

In: 937.065+/-0.135 χ^2/NDF:3367971.1/39

Out: 934.837+/-0.132 χ^2/NDF:4006828.9/44

All: 935.923+/-0.095 χ^2/NDF: 7374938.6/84


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
190
Right In: 156.884+/-33.907 χ²/NDF: 11.6/16
Left Out: -15.098+/-17.957 χ²/NDF:41.6/24
Right Out: 143.771+/-34.144 χ²/NDF: 17.3/19
Left In: 5.626+/-18.382 χ²/NDF:23.0/22
Left: -4.978+/-12.845 χ²/NDF: 65.3/47
Right: 150.373+/-24.059 χ²/NDF: 29.0/36
In: 39.982+/-16.160 χ²/NDF:50.0/39
Out: 19.323+/-15.893 χ²/NDF:76.0/44
All: 29.481+/-11.331 χ²/NDF: 126.8/84



Right In: 91.211+/-0.024 χ^2/NDF: 291447.7/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 93.102+/-0.024 χ^2/NDF: 704595.2/19

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

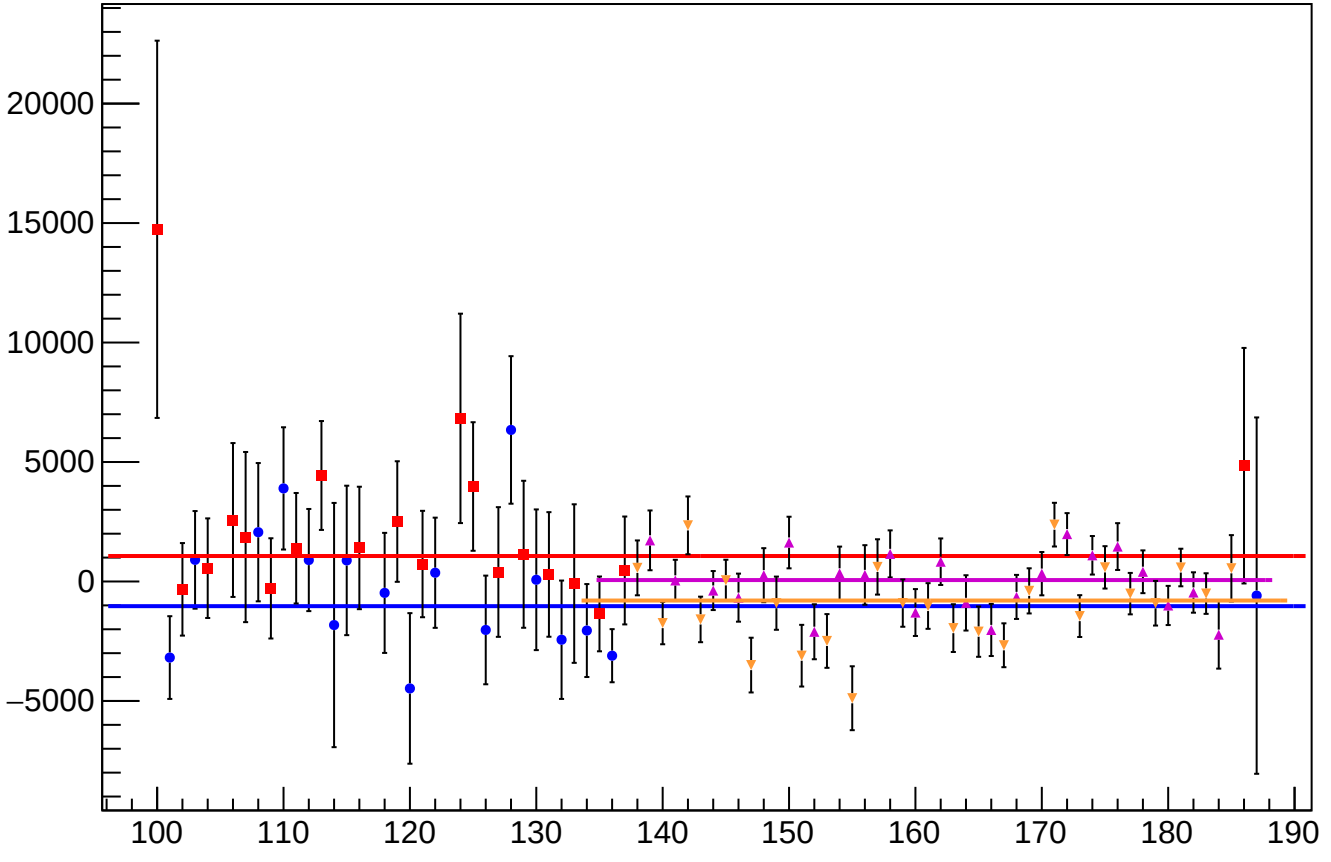
Right: 92.150+/-0.017 χ^2/NDF: 999131.8/36

In: 81.259+/-0.011 χ^2/NDF:723501.9/39

Out: 81.756+/-0.011 χ^2/NDF:1293729.1/44

All: 81.512+/-0.008 χ^2/NDF: 2018193.4/84

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1032.608+/-548.717 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1065.895+/-566.003 χ^2/NDF: 13.1/19

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

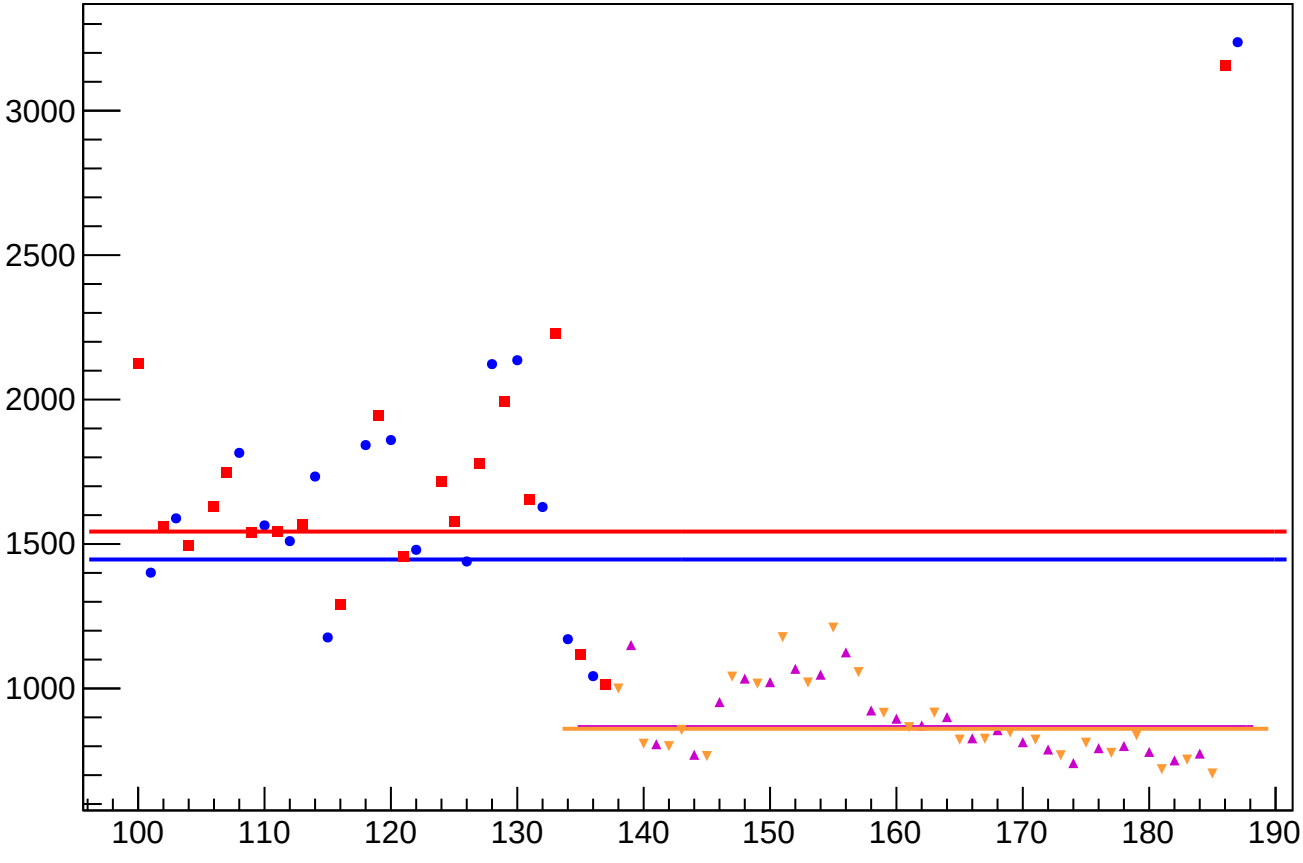
Right: -15.892+/-393.971 χ^2/NDF: 40.4/36

In: -73.623+/-191.573 χ^2/NDF:54.2/39

Out: -594.097+/-186.797 χ^2/NDF:82.2/44

All: -340.428+/-133.742 χ^2/NDF: 140.2/84

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1446.486+/-0.388 χ^2/NDF: 791628.9/16

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1543.066+/-0.400 χ^2/NDF: 715732.1/19

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

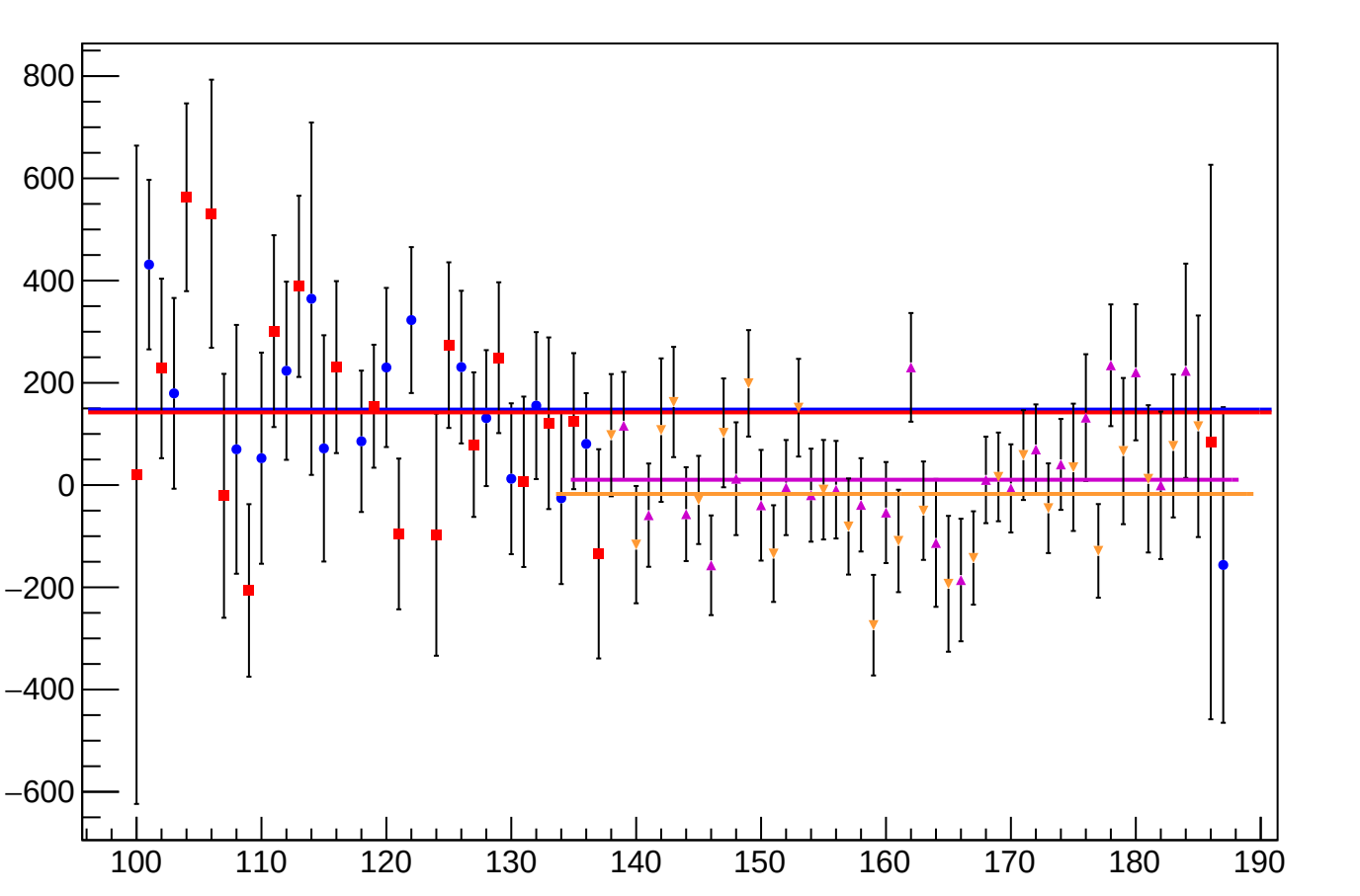
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1493.279+/-0.279 χ^2/NDF: 1537380.2/36

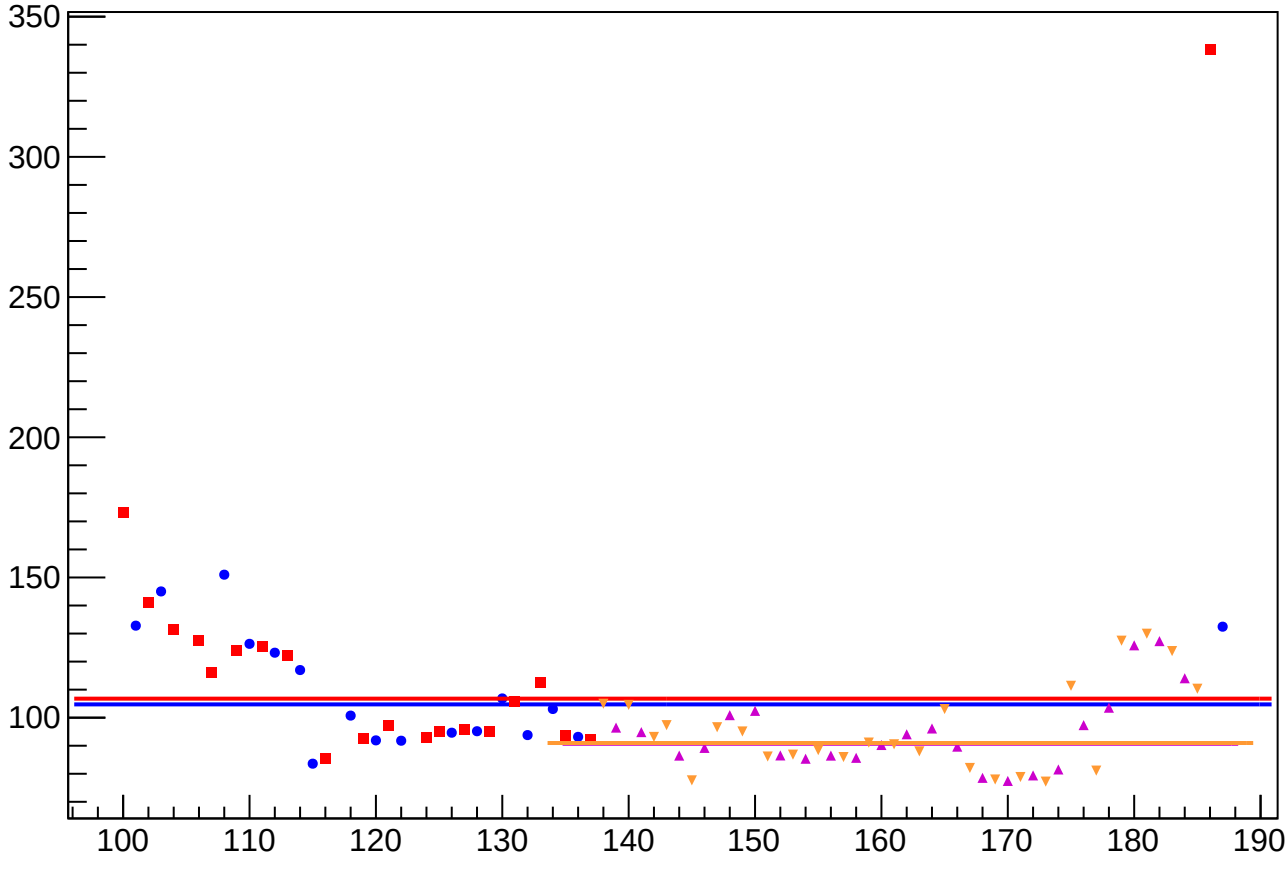
In: 937.065+/-0.135 χ^2/NDF:3367971.1/39

Out: 934.837+/-0.132 χ^2/NDF:4006828.9/44

All: 935.923+/-0.095 χ^2/NDF: 7374938.6/84


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
190
Right In: 147.663+/-39.128 χ²/NDF: 9.6/16
Left Out: -17.356+/-20.987 χ²/NDF:31.2/24
Right Out: 142.191+/-39.237 χ²/NDF: 22.9/19
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -3.810+/-15.019 χ²/NDF: 54.7/47
Right: 144.935+/-27.706 χ²/NDF: 32.6/36
In: 42.249+/-18.845 χ²/NDF:41.7/39
Out: 18.134+/-18.506 χ²/NDF:67.0/44
All: 29.972+/-13.204 χ²/NDF: 109.5/84

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 104.739+/-0.028 χ^2/NDF: 394695.9/16

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 106.786+/-0.028 χ^2/NDF: 710613.4/19

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

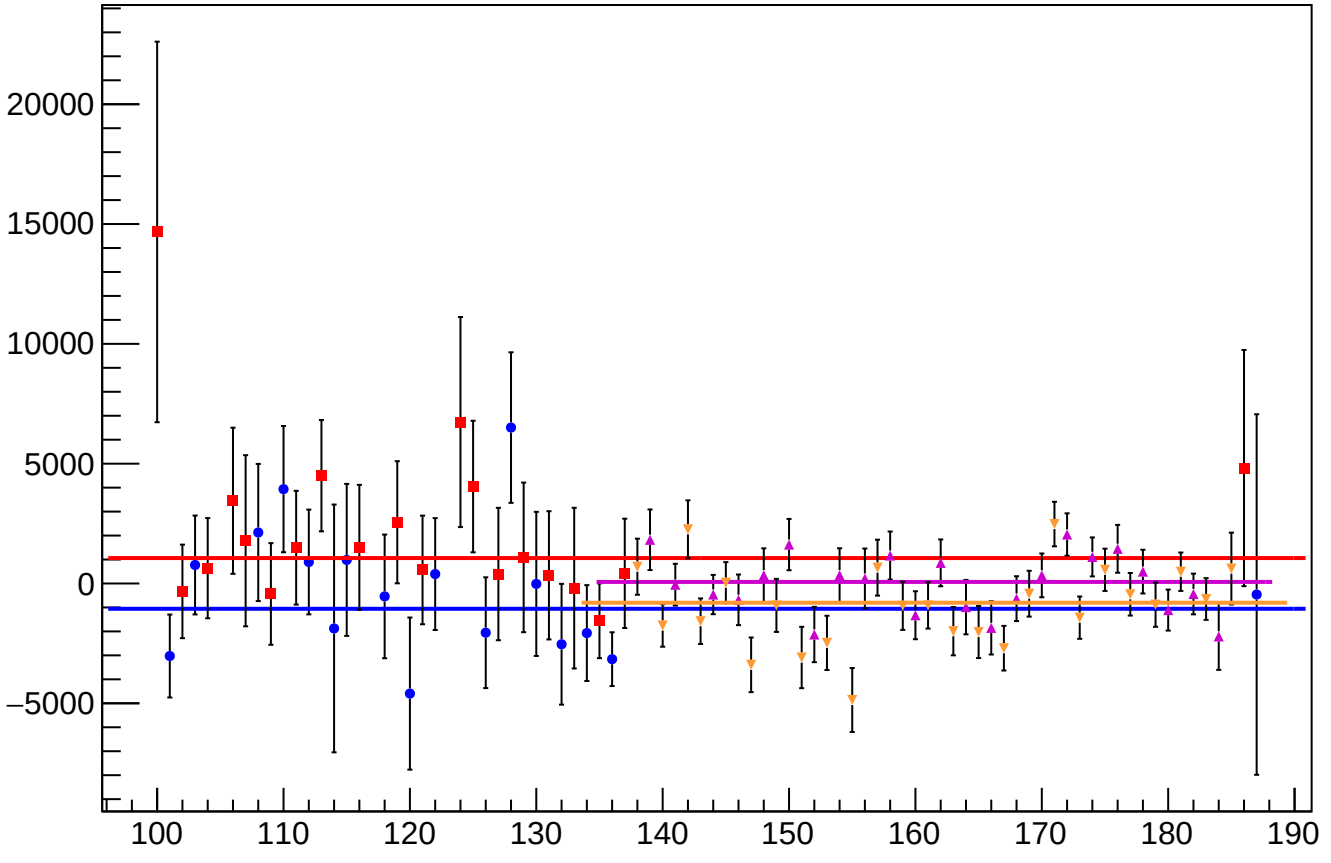
Right: 105.759+/-0.020 χ^2/NDF: 1108038.4/36

In: 93.949+/-0.013 χ^2/NDF:1138683.7/39

Out: 94.486+/-0.013 χ^2/NDF:1747898.0/44

All: 94.222+/-0.009 χ^2/NDF: 2887408.1/84

asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1056.088+/-556.119 χ^2/NDF: 20.0/16

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1061.042+/-571.224 χ^2/NDF: 13.9/19

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

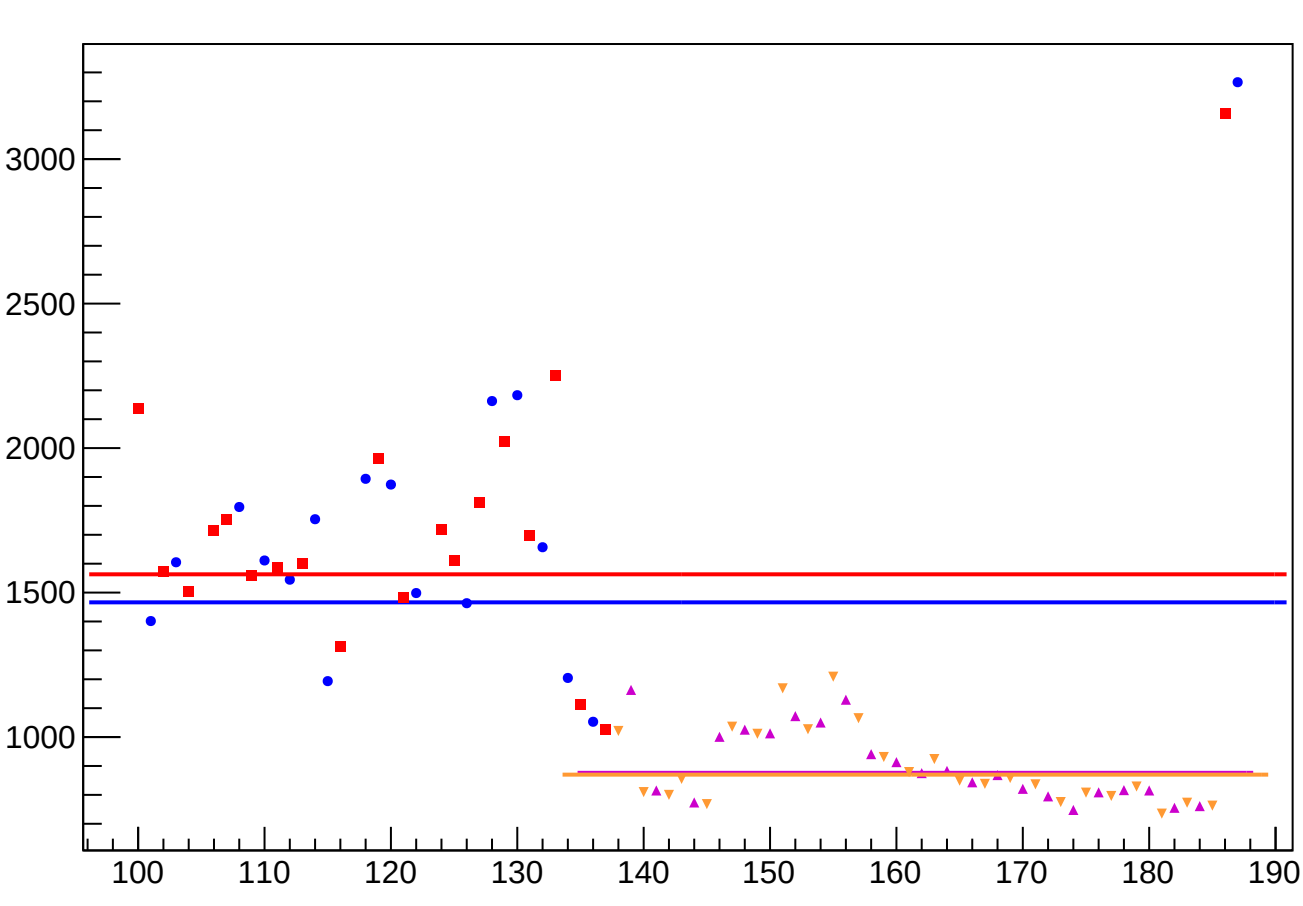
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -25.884+/-398.468 χ^2/NDF: 41.0/36

In: -70.859+/-193.731 χ^2/NDF:54.3/39

Out: -599.298+/-188.639 χ^2/NDF:81.7/44

All: -342.114+/-135.152 χ^2/NDF: 139.8/84



Right In: 1466.193+/-0.393 χ^2/NDF: 799924.8/16

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1563.233+/-0.404 χ^2/NDF: 731485.8/19

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

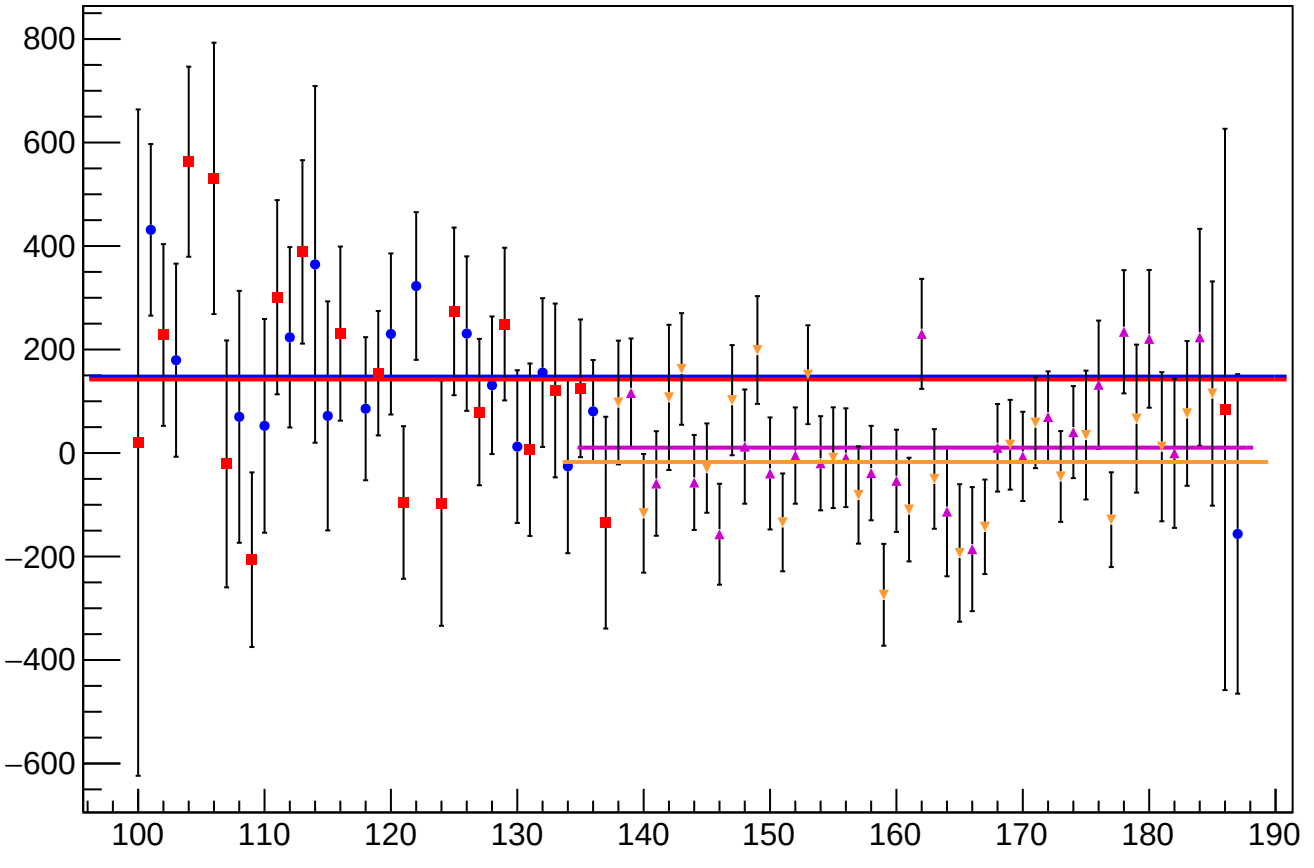
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1513.413+/-0.282 χ^2/NDF: 1561043.4/36

In: 947.864+/-0.137 χ^2/NDF:3374521.8/39

Out: 945.609+/-0.133 χ^2/NDF:4003075.6/44

All: 946.706+/-0.096 χ^2/NDF: 7377736.5/84



Right In: 147.664+/-39.128 χ^2/NDF: 9.6/16

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 142.189+/-39.237 χ^2/NDF: 22.9/19

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

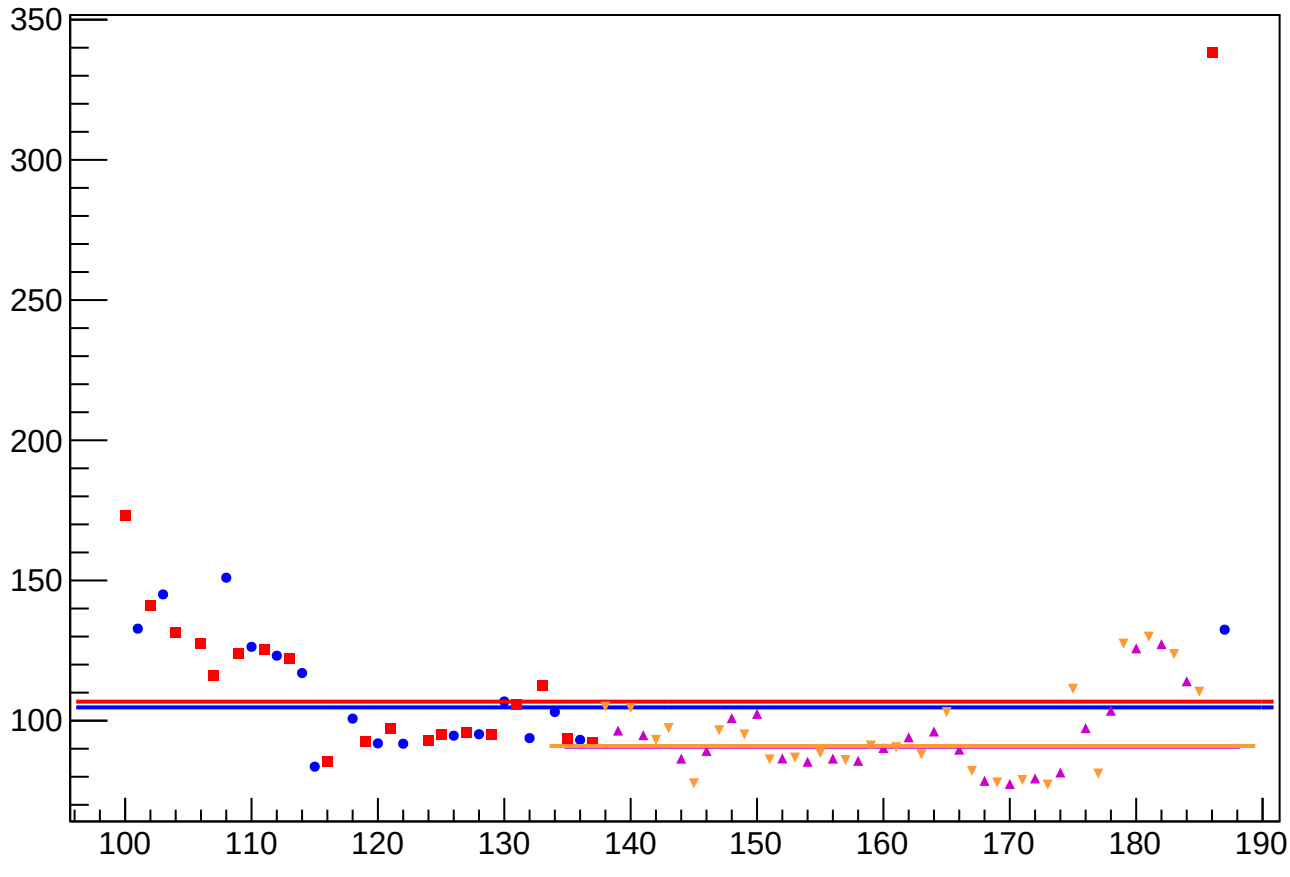
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 144.934+/-27.706 χ^2/NDF: 32.6/36

In: 42.249+/-18.845 χ^2/NDF:41.7/39

Out: 18.134+/-18.506 χ^2/NDF:67.0/44

All: 29.973+/-13.204 χ^2/NDF: 109.5/84



Right In: 104.738+/-0.028 χ^2/NDF: 394697.6/16

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 106.785+/-0.028 χ^2/NDF: 710615.1/19

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

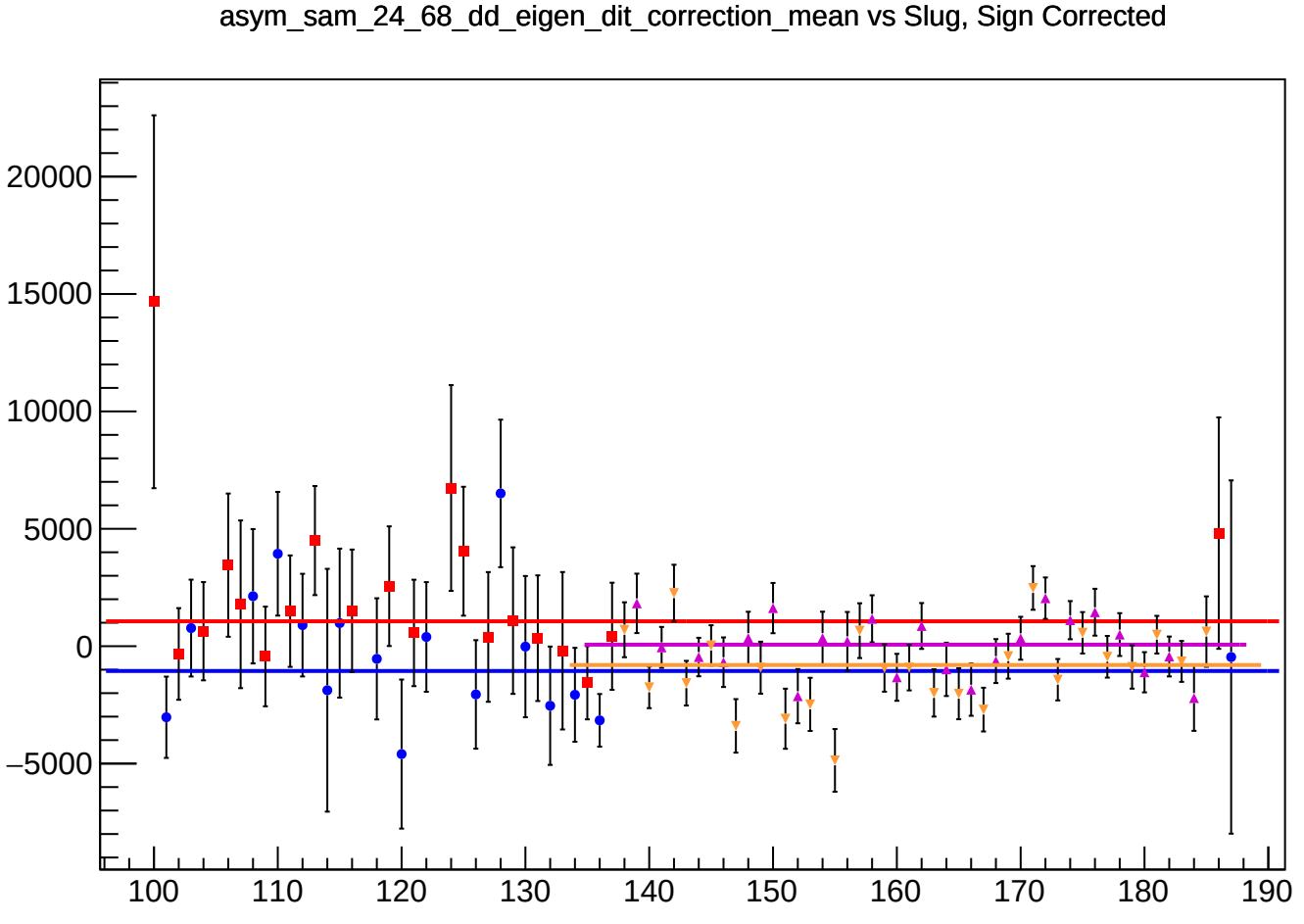
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 105.758+/-0.020 χ^2/NDF: 1108042.5/36

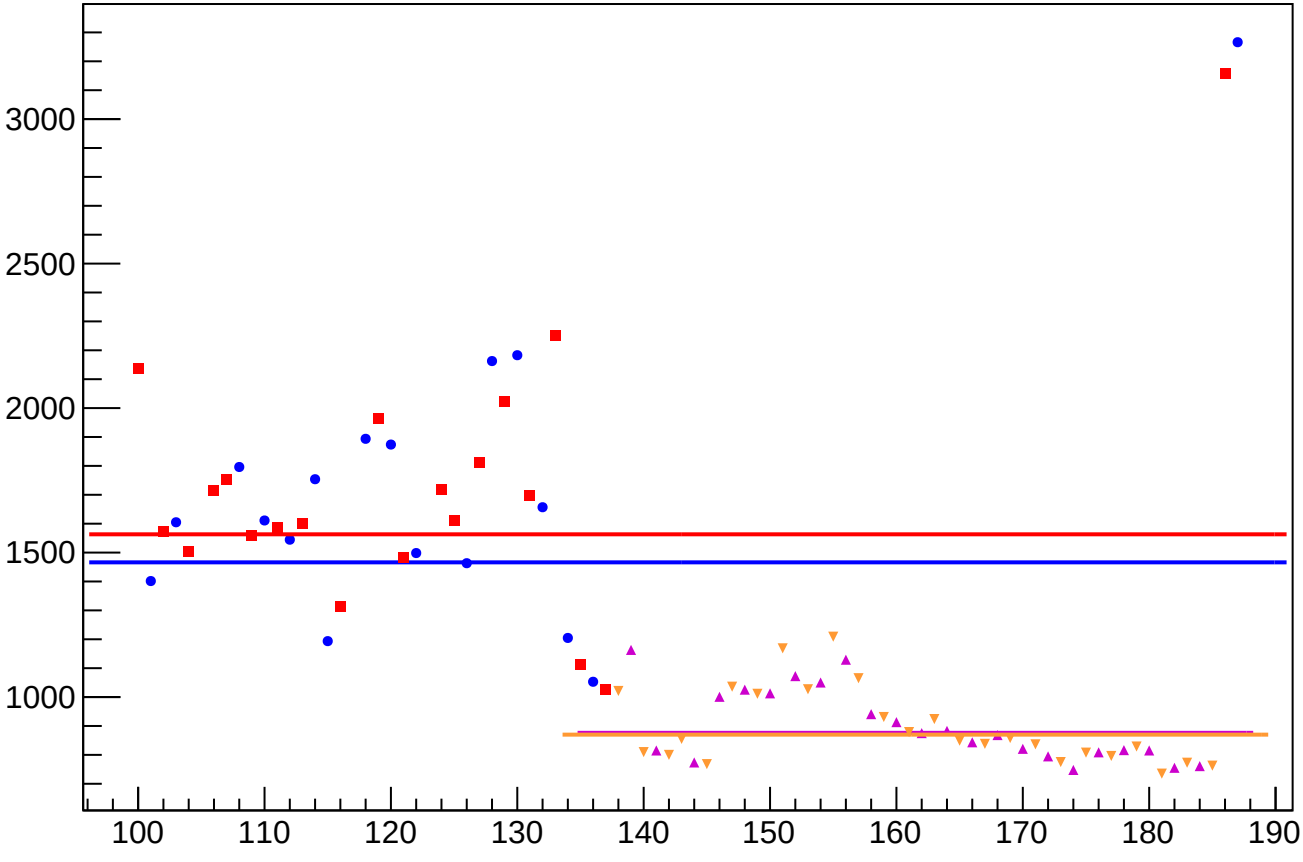
In: 93.949+/-0.013 χ^2/NDF:1138651.8/39

Out: 94.486+/-0.013 χ^2/NDF:1747882.0/44

All: 94.222+/-0.009 χ^2/NDF: 2887360.7/84


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
170
180
190
Right In: -1056.084+/-556.118 χ²/NDF: 20.0/16
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1061.041+/-571.222 χ²/NDF: 13.9/19
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -25.882+/-398.468 χ²/NDF: 41.0/36
In: -70.859+/-193.731 χ²/NDF:54.3/39
Out: -599.297+/-188.639 χ²/NDF:81.7/44
All: -342.114+/-135.152 χ²/NDF: 139.8/84

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1466.191+/-0.393 χ^2/NDF: 799921.8/16

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1563.230+/-0.404 χ^2/NDF: 731486.4/19

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

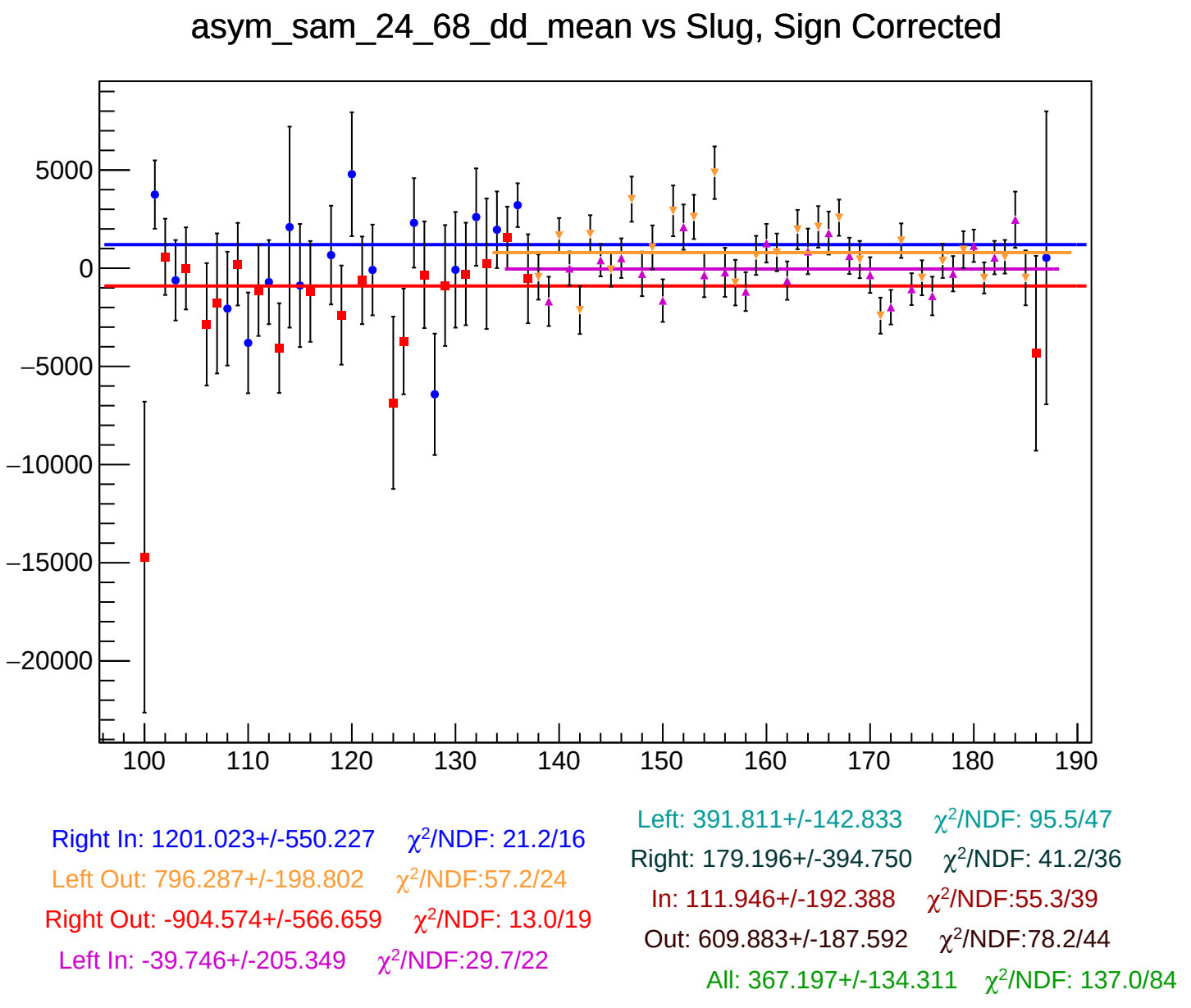
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1513.411+/-0.282 χ^2/NDF: 1561041.0/36

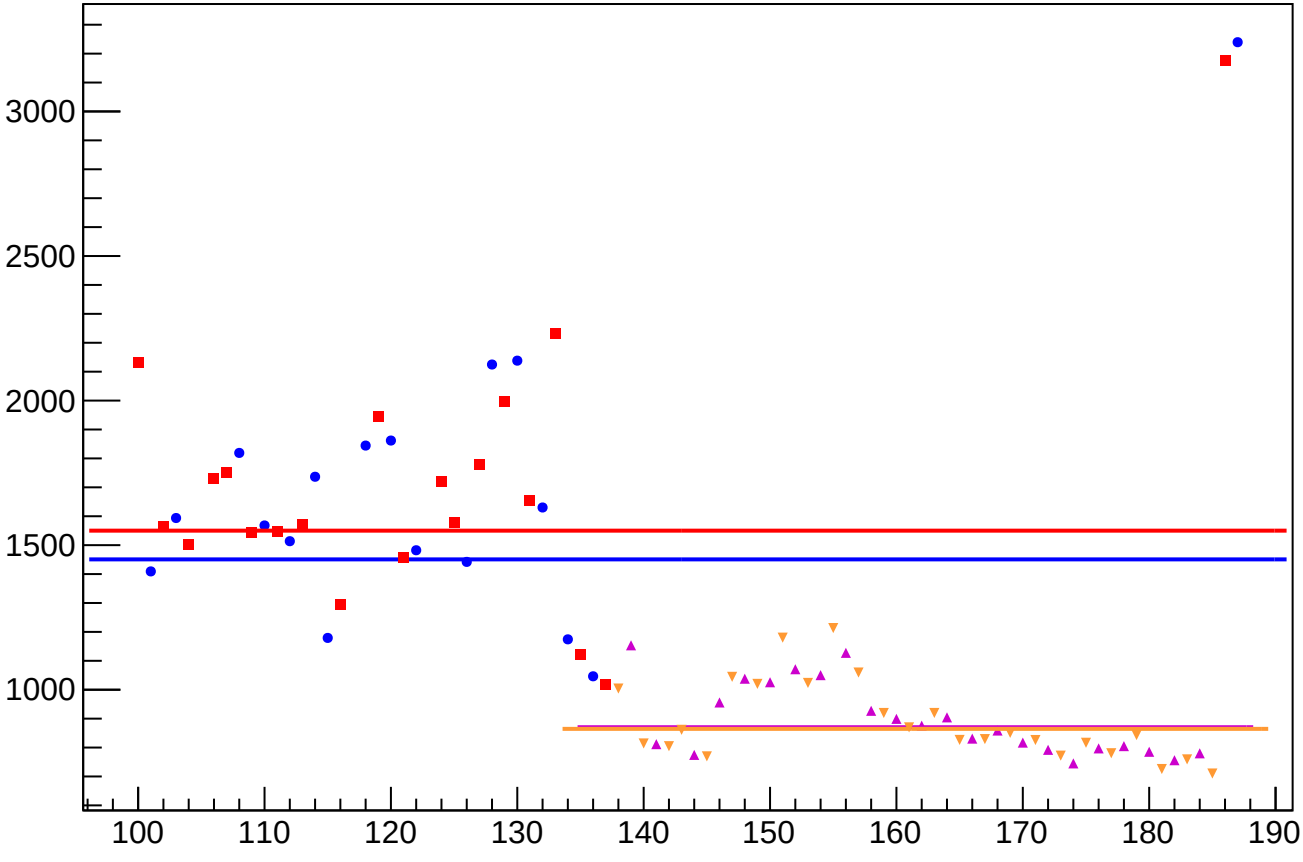
In: 947.863+/-0.137 χ^2/NDF:3374514.4/39

Out: 945.608+/-0.133 χ^2/NDF:4003070.0/44

All: 946.706+/-0.096 χ^2/NDF: 7377723.4/84


asym_sam_24_68_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1201.023+/-550.227 χ²/NDF: 21.2/16
Left Out: 796.287+/-198.802 χ²/NDF:57.2/24
Right Out: -904.574+/-566.659 χ²/NDF: 13.0/19
Left In: -39.746+/-205.349 χ²/NDF:29.7/22
Left: 391.811+/-142.833 χ²/NDF: 95.5/47
Right: 179.196+/-394.750 χ²/NDF: 41.2/36
In: 111.946+/-192.388 χ²/NDF:55.3/39
Out: 609.883+/-187.592 χ²/NDF:78.2/44
All: 367.197+/-134.311 χ²/NDF: 137.0/84

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1450.802+/-0.389 χ^2/NDF: 786209.1/16

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1550.166+/-0.401 χ^2/NDF: 719827.6/19

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

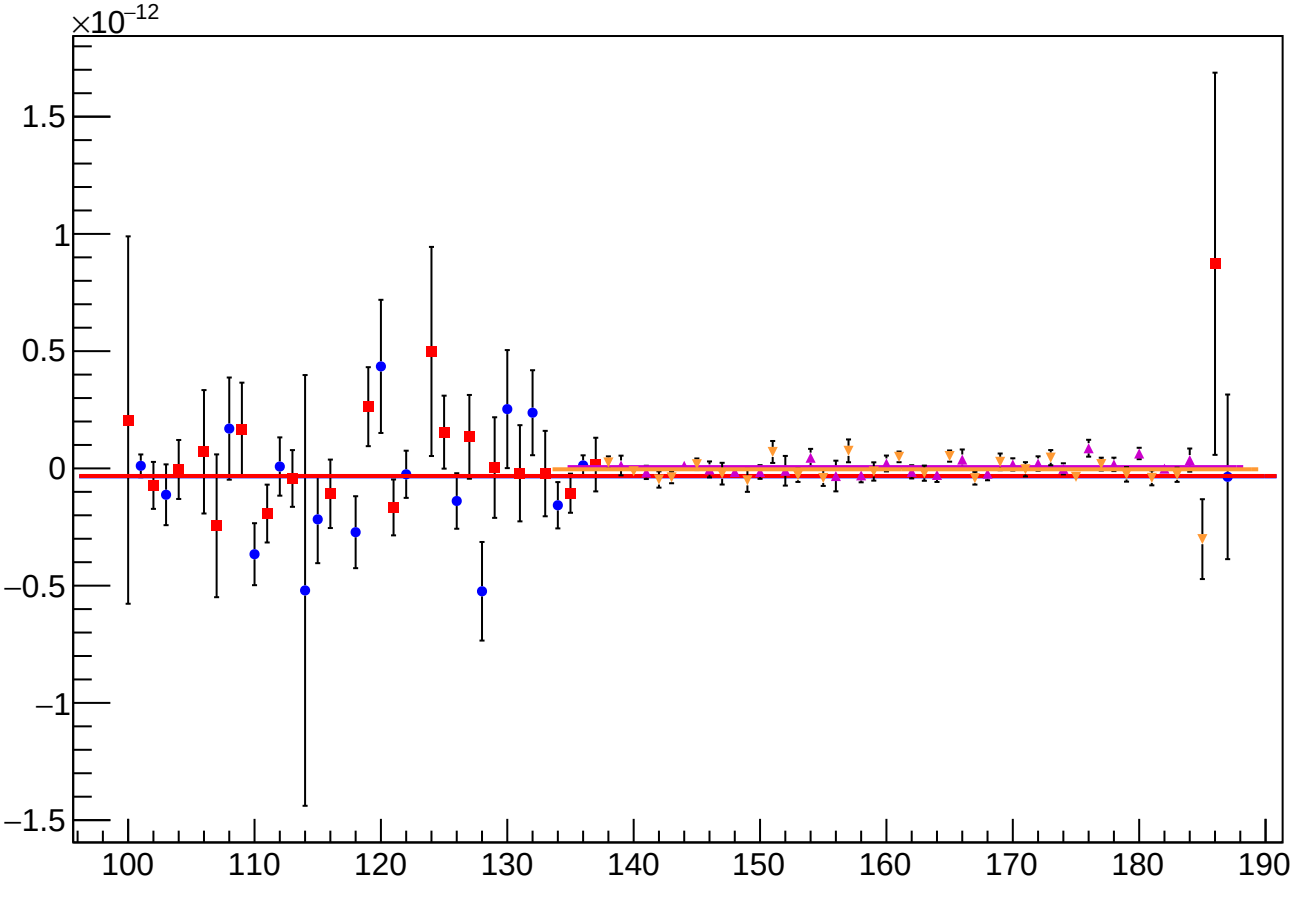
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1499.022+/-0.279 χ^2/NDF: 1537689.1/36

In: 941.310+/-0.136 χ^2/NDF:3344406.2/39

Out: 939.766+/-0.133 χ^2/NDF:4015092.5/44

All: 940.519+/-0.095 χ^2/NDF: 7359564.7/84



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.2/19

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

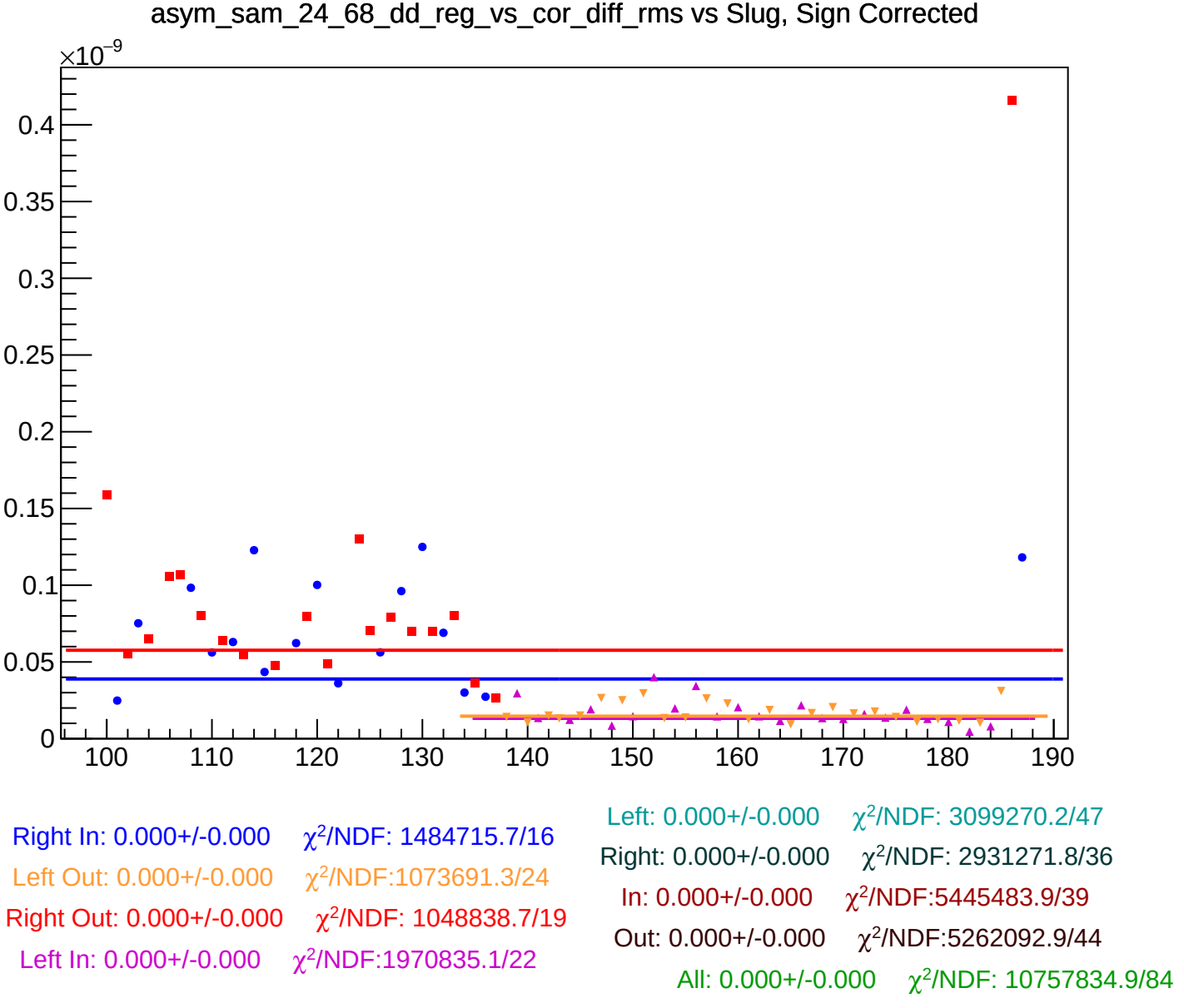
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

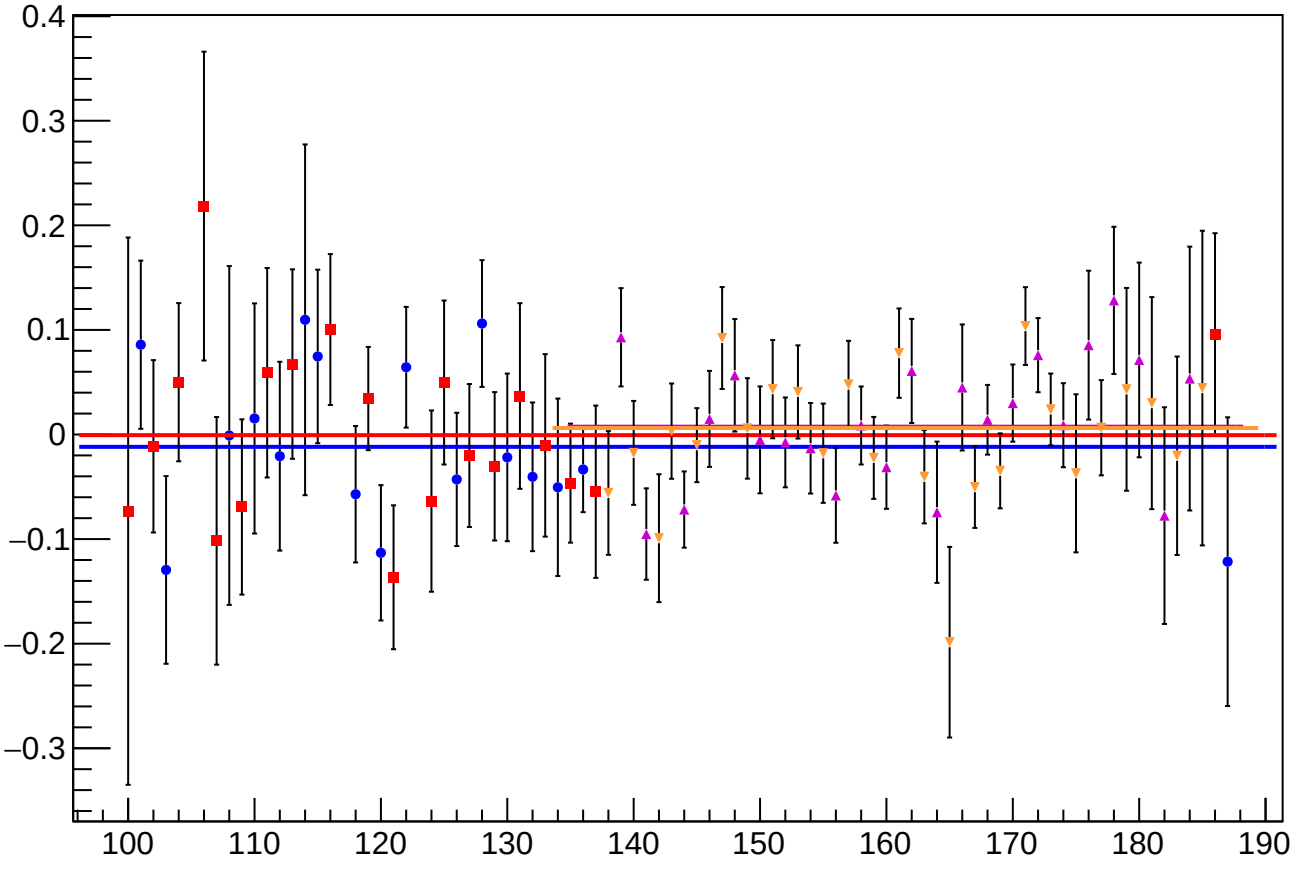
Right: -0.000+/-0.000 χ^2/NDF: 41.6/36

In: 0.000+/-0.000 χ^2/NDF:50.4/39

Out: -0.000+/-0.000 χ^2/NDF:53.6/44

All: -0.000+/-0.000 χ^2/NDF: 105.0/84


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1484715.7/16
Left Out: 0.000+/-0.000 χ²/NDF:1073691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 1048838.7/19
Left In: 0.000+/-0.000 χ²/NDF:1970835.1/22
Left: 0.000+/-0.000 χ²/NDF: 3099270.2/47
Right: 0.000+/-0.000 χ²/NDF: 2931271.8/36
In: 0.000+/-0.000 χ²/NDF:5445483.9/39
Out: 0.000+/-0.000 χ²/NDF:5262092.9/44
All: 0.000+/-0.000 χ²/NDF: 10757834.9/84



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.001+/-0.018 χ^2/NDF: 14.9/19

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

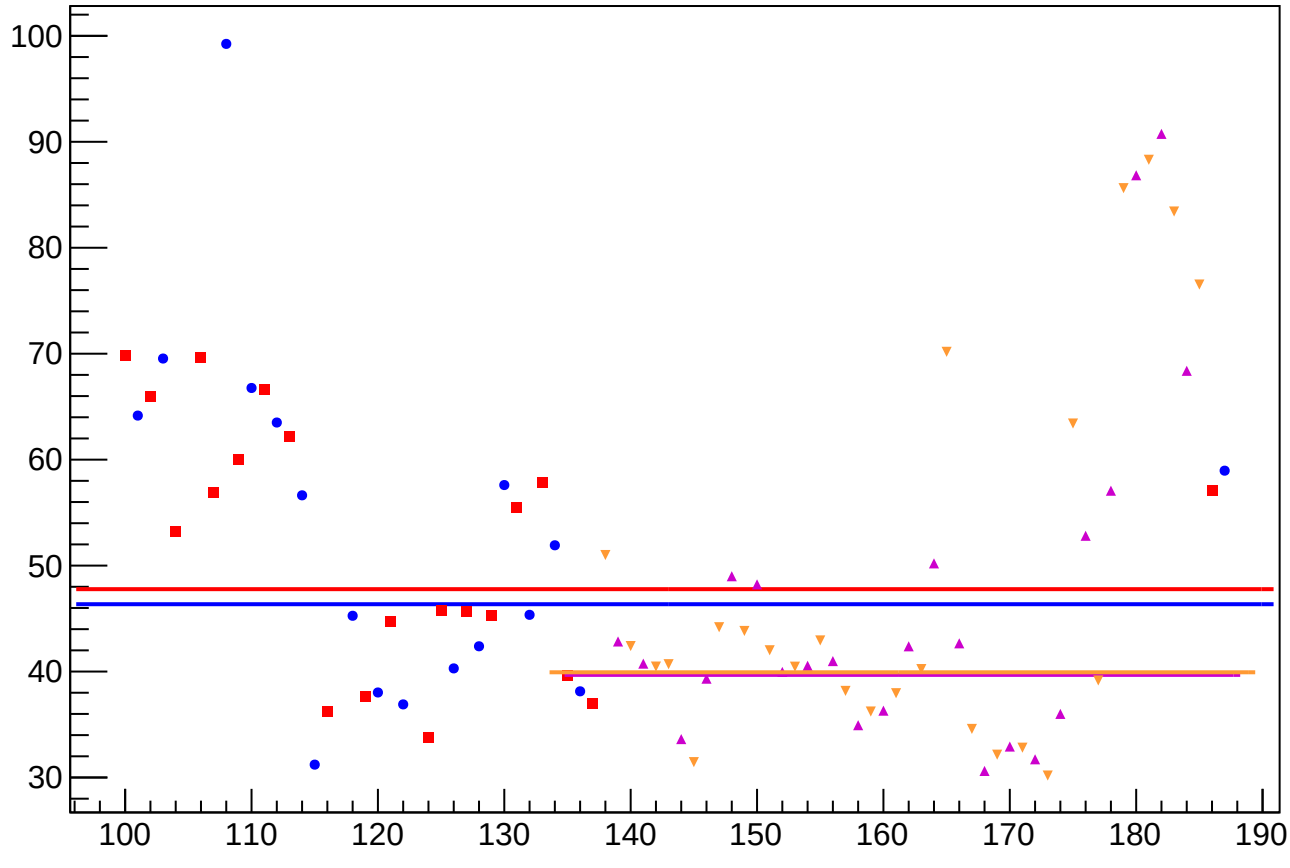
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.006+/-0.013 χ^2/NDF: 30.0/36

In: 0.003+/-0.009 χ^2/NDF:46.2/39

Out: 0.005+/-0.008 χ^2/NDF:45.8/44

All: 0.004+/-0.006 χ^2/NDF: 92.1/84



Right In: 46.356+/-0.013 χ^2/NDF: 920238.3/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 47.776+/-0.013 χ^2/NDF: 673835.3/19

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

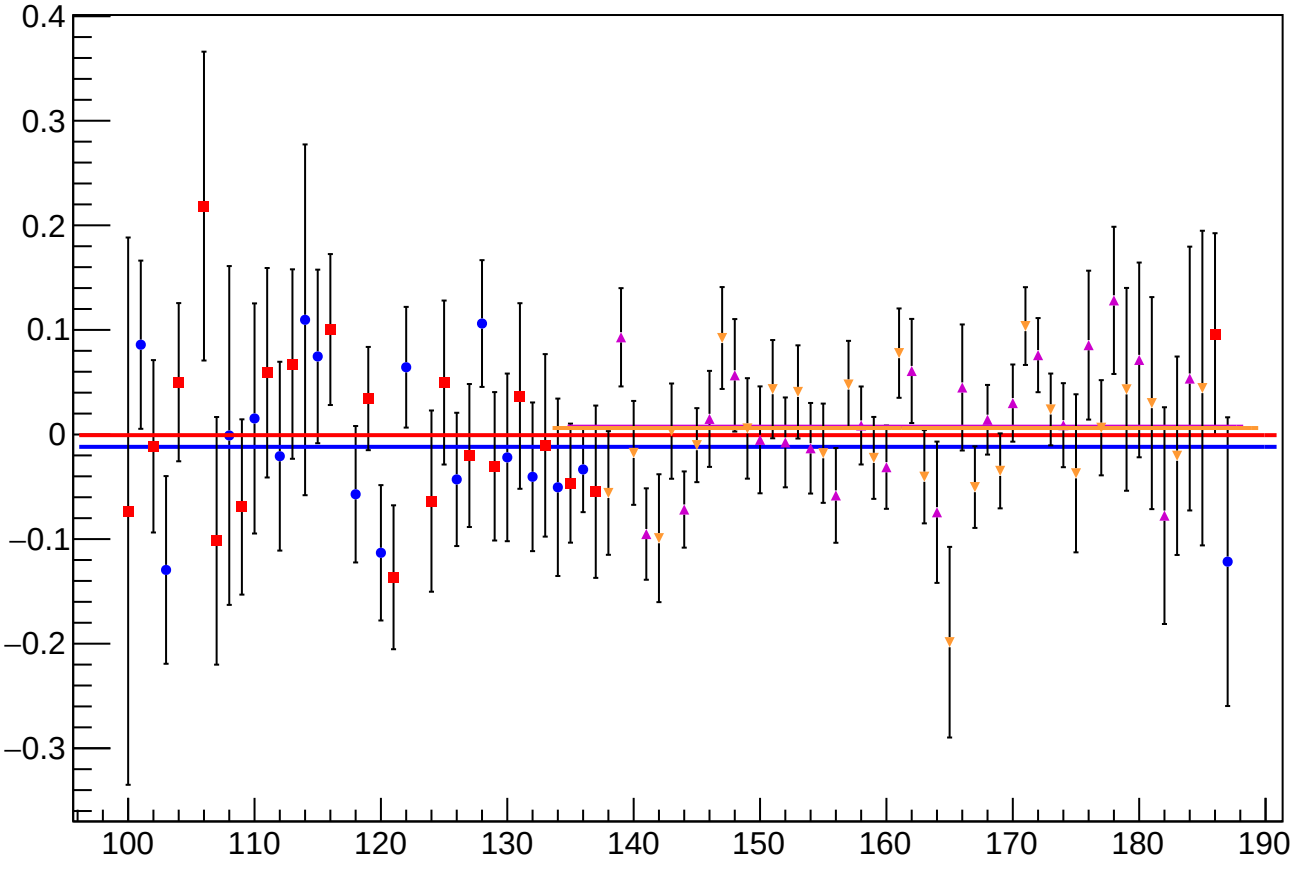
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 47.068+/-0.009 χ^2/NDF: 1600433.6/36

In: 41.225+/-0.006 χ^2/NDF:3051087.4/39

Out: 41.693+/-0.006 χ^2/NDF:3451194.2/44

All: 41.463+/-0.004 χ^2/NDF: 6505302.3/84



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.001+/-0.018 χ^2/NDF: 14.9/19

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

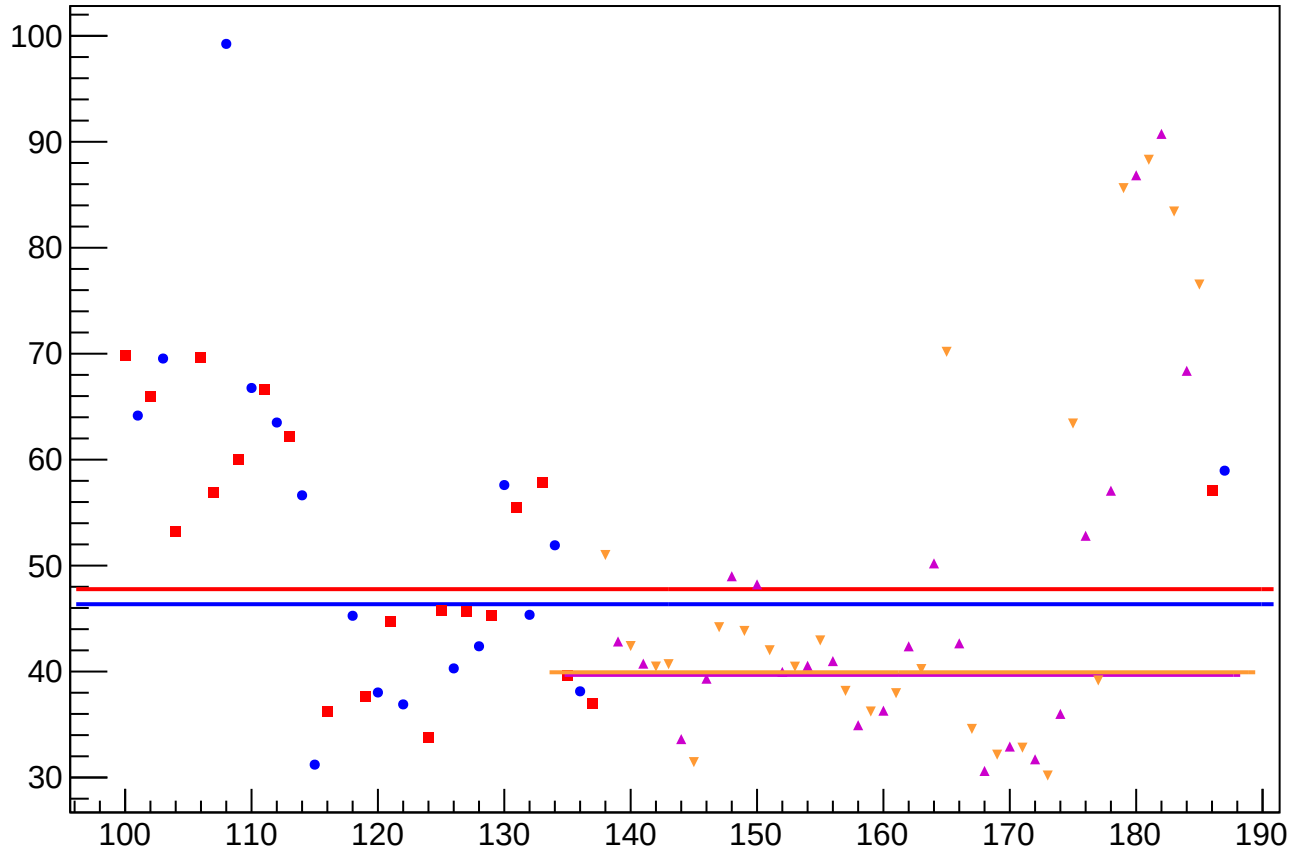
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.006+/-0.013 χ^2/NDF: 30.0/36

In: 0.003+/-0.009 χ^2/NDF:46.2/39

Out: 0.005+/-0.008 χ^2/NDF:45.8/44

All: 0.004+/-0.006 χ^2/NDF: 92.1/84



Right In: 46.356+/-0.013 χ^2/NDF: 920238.3/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 47.776+/-0.013 χ^2/NDF: 673835.3/19

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

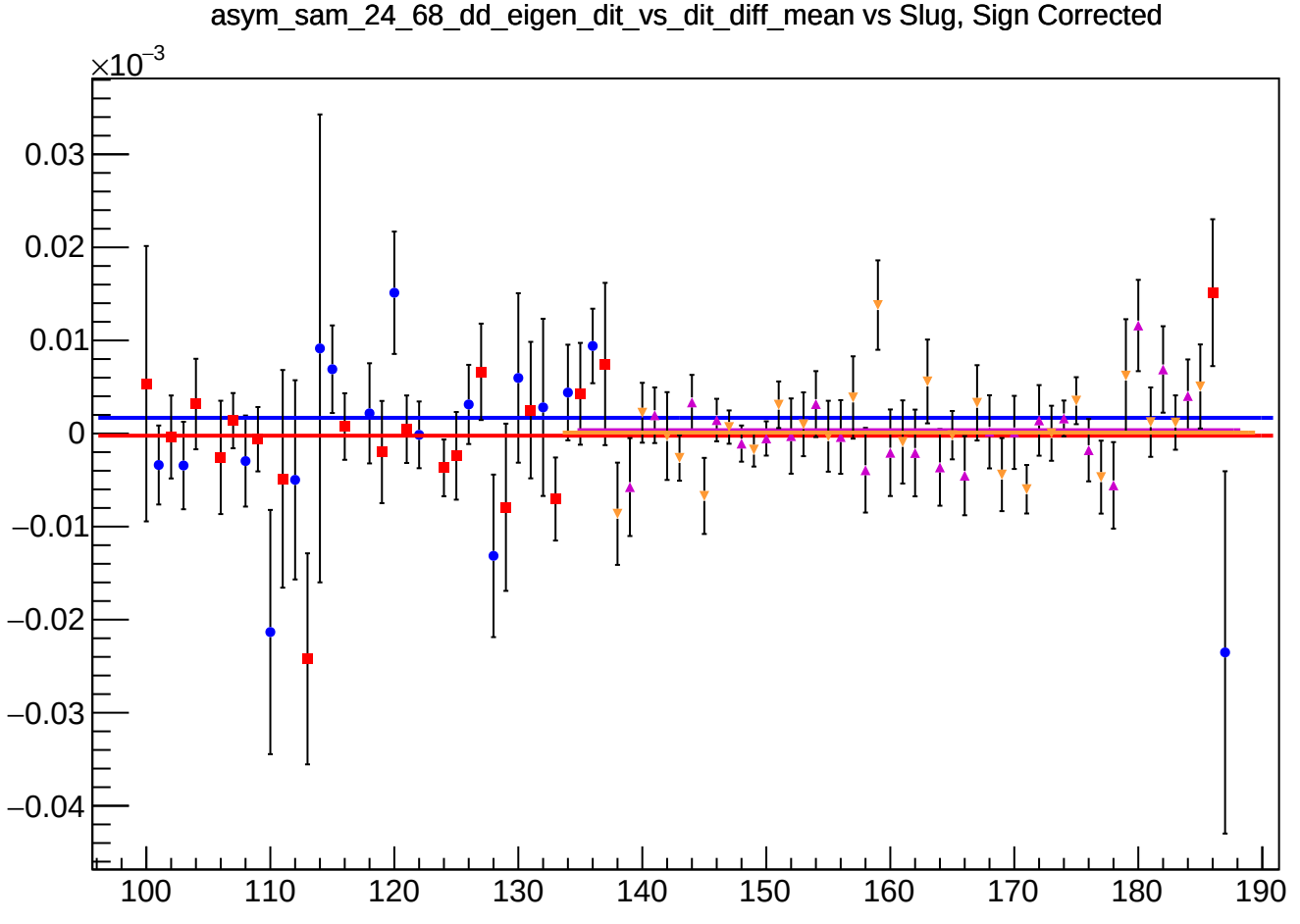
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 47.068+/-0.009 χ^2/NDF: 1600433.6/36

In: 41.225+/-0.006 χ^2/NDF:3051087.4/39

Out: 41.693+/-0.006 χ^2/NDF:3451194.2/44

All: 41.463+/-0.004 χ^2/NDF: 6505302.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/19

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

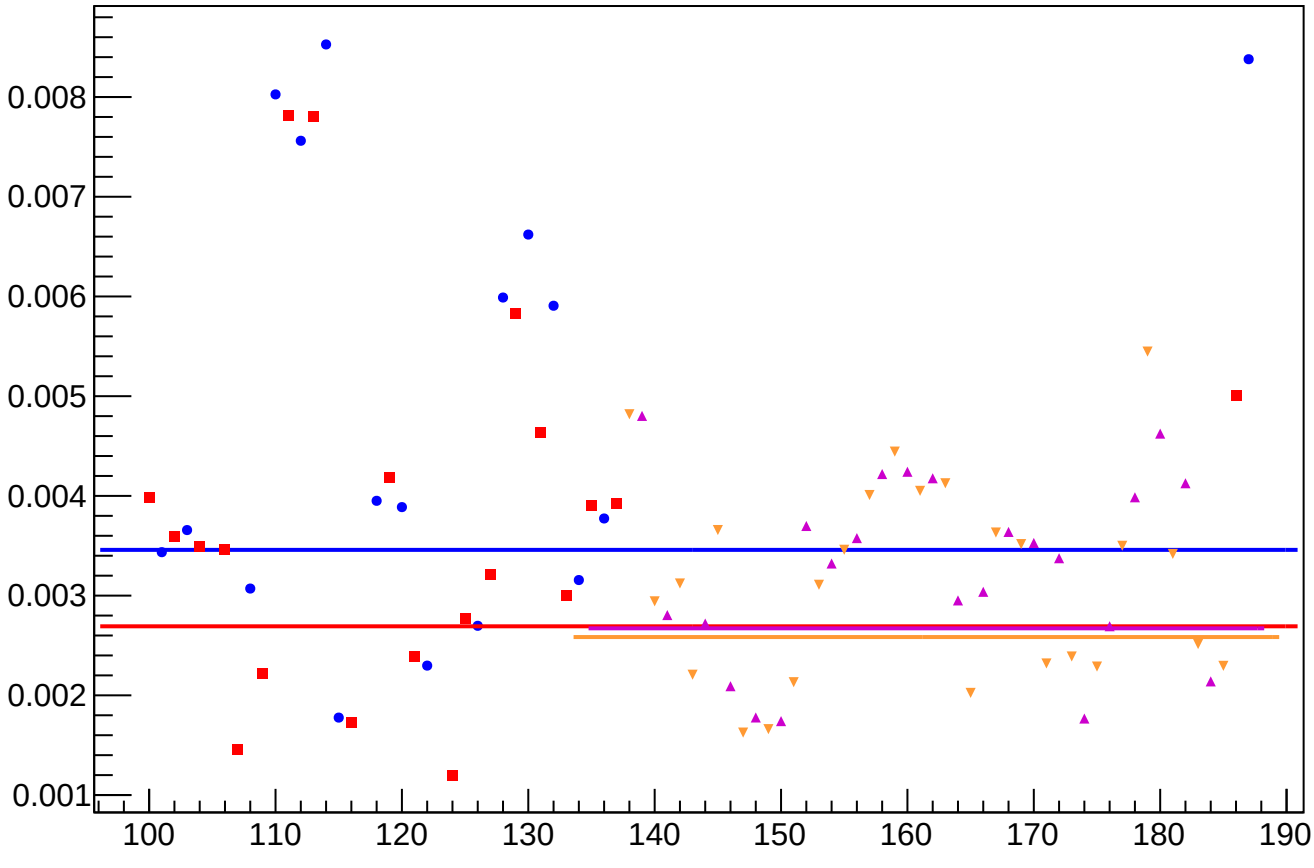
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 40.5/36

In: 0.000+/-0.000 χ^2/NDF:41.1/39

Out: 0.000+/-0.000 χ^2/NDF:50.9/44

All: 0.000+/-0.000 χ^2/NDF: 92.6/84



Right In: 0.003+/-0.000 χ^2/NDF: 1877007.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2872676.0/19

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

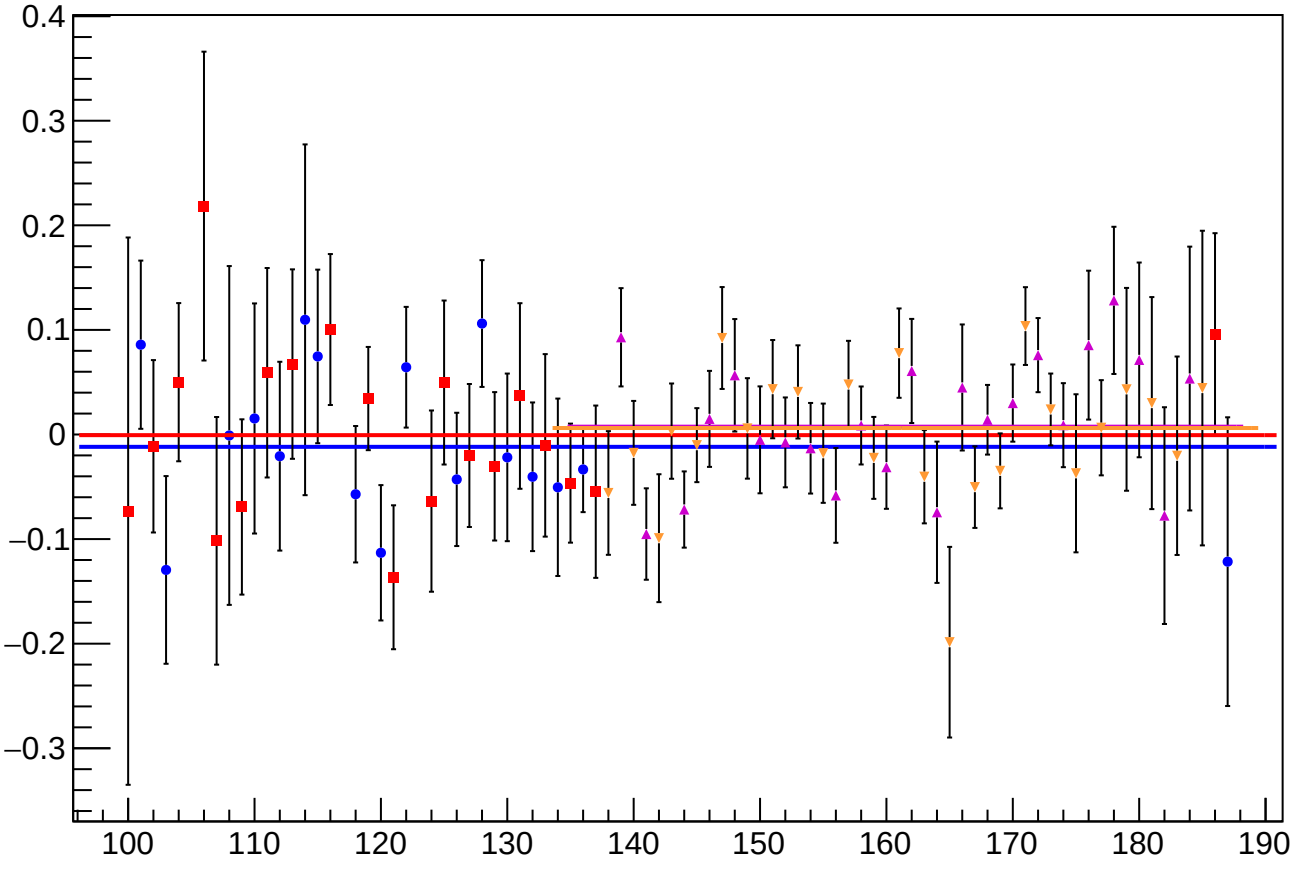
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.003+/-0.000 χ^2/NDF: 5136302.4/36

In: 0.003+/-0.000 χ^2/NDF:6235730.9/39

Out: 0.003+/-0.000 χ^2/NDF:6780293.8/44

All: 0.003+/-0.000 χ^2/NDF: 13153563.5/84



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.001+/-0.018 χ^2/NDF: 14.9/19

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

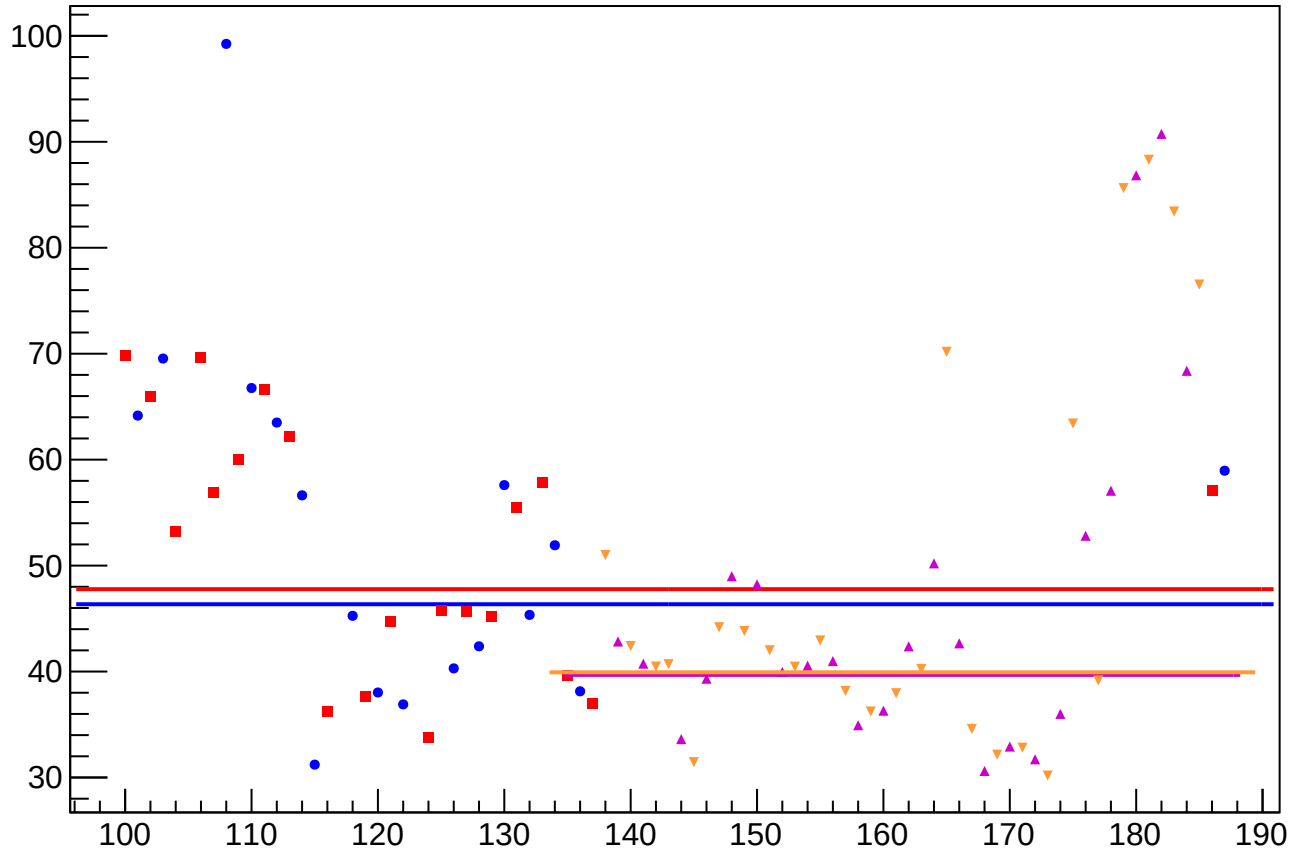
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.006+/-0.013 χ^2/NDF: 30.0/36

In: 0.003+/-0.009 χ^2/NDF:46.2/39

Out: 0.005+/-0.008 χ^2/NDF:45.8/44

All: 0.004+/-0.006 χ^2/NDF: 92.0/84



Right In: 46.354+/-0.013 χ^2/NDF: 920204.7/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 47.775+/-0.013 χ^2/NDF: 673835.1/19

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

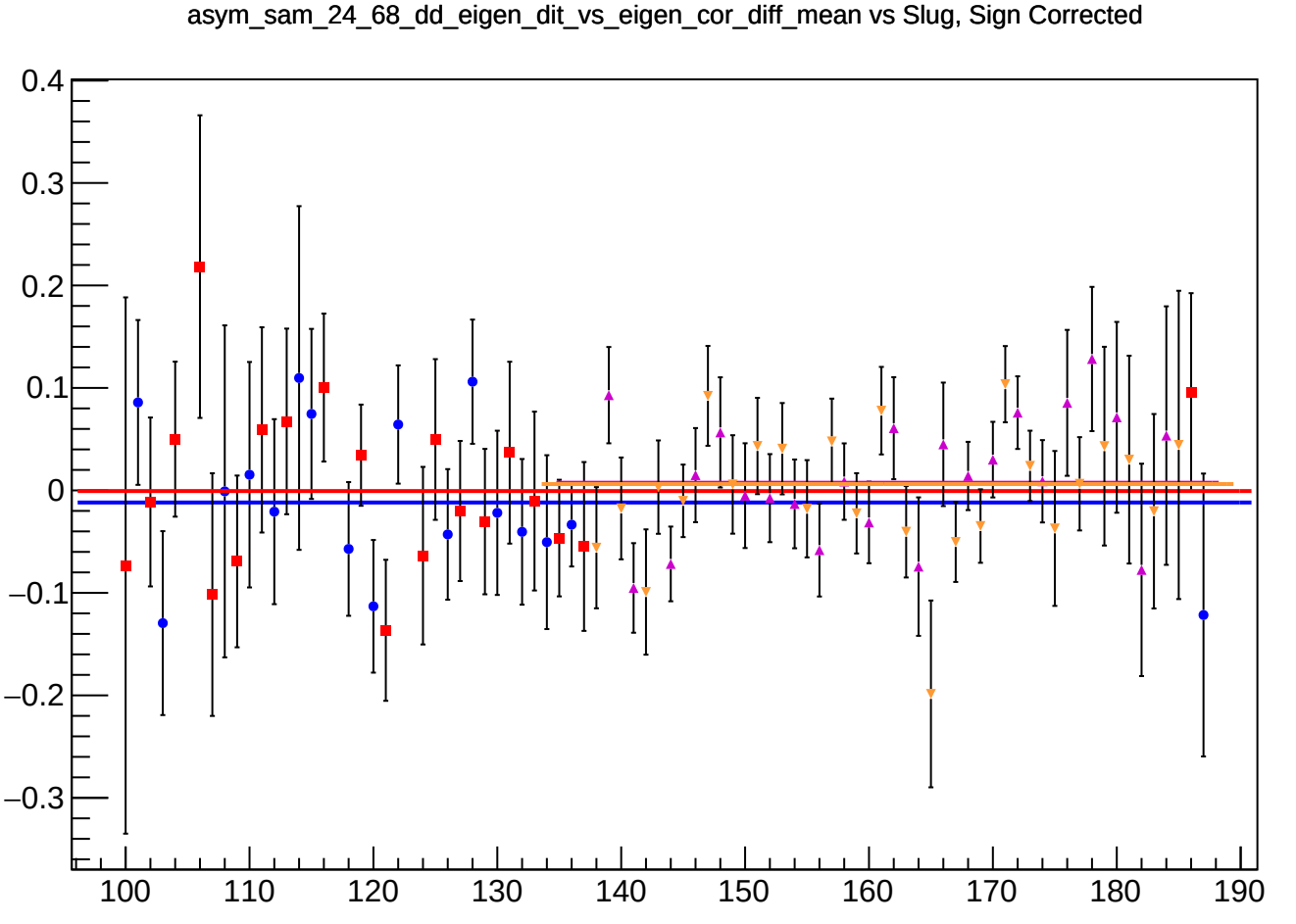
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

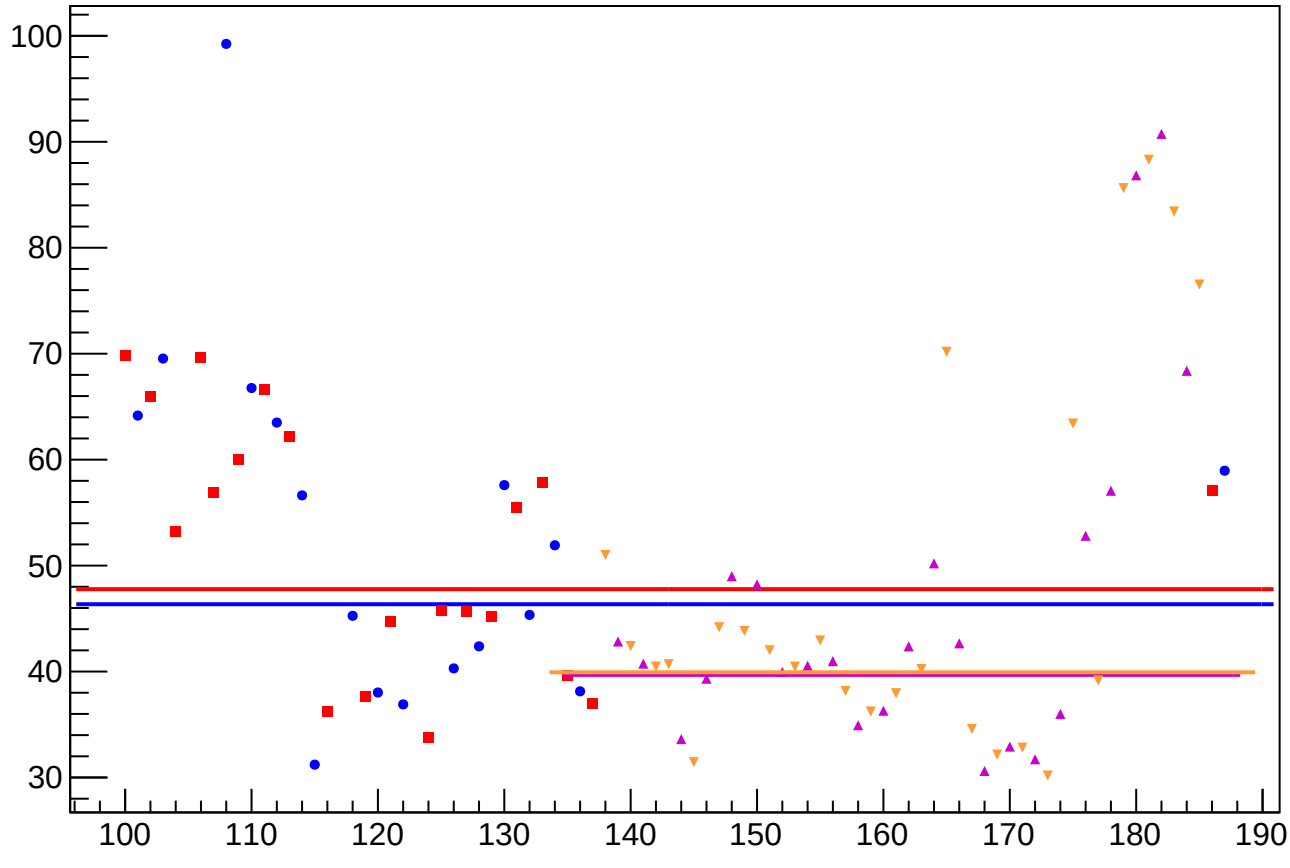
Right: 47.067+/-0.009 χ^2/NDF: 1600404.0/36

In: 41.225+/-0.006 χ^2/NDF:3051004.5/39

Out: 41.693+/-0.006 χ^2/NDF:3451149.2/44

All: 41.463+/-0.004 χ^2/NDF: 6505178.5/84


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
190
Right In: -0.012+/-0.018 χ²/NDF: 14.9/16
Left Out: 0.006+/-0.010 χ²/NDF:30.8/24
Right Out: -0.001+/-0.018 χ²/NDF: 14.9/19
Left In: 0.007+/-0.010 χ²/NDF:30.4/22
Left: 0.007+/-0.007 χ²/NDF: 61.3/47
Right: -0.006+/-0.013 χ²/NDF: 30.0/36
In: 0.003+/-0.009 χ²/NDF:46.2/39
Out: 0.005+/-0.008 χ²/NDF:45.8/44
All: 0.004+/-0.006 χ²/NDF: 92.0/84



Right In: 46.354+/-0.013 χ^2/NDF: 920204.7/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 47.775+/-0.013 χ^2/NDF: 673835.1/19

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

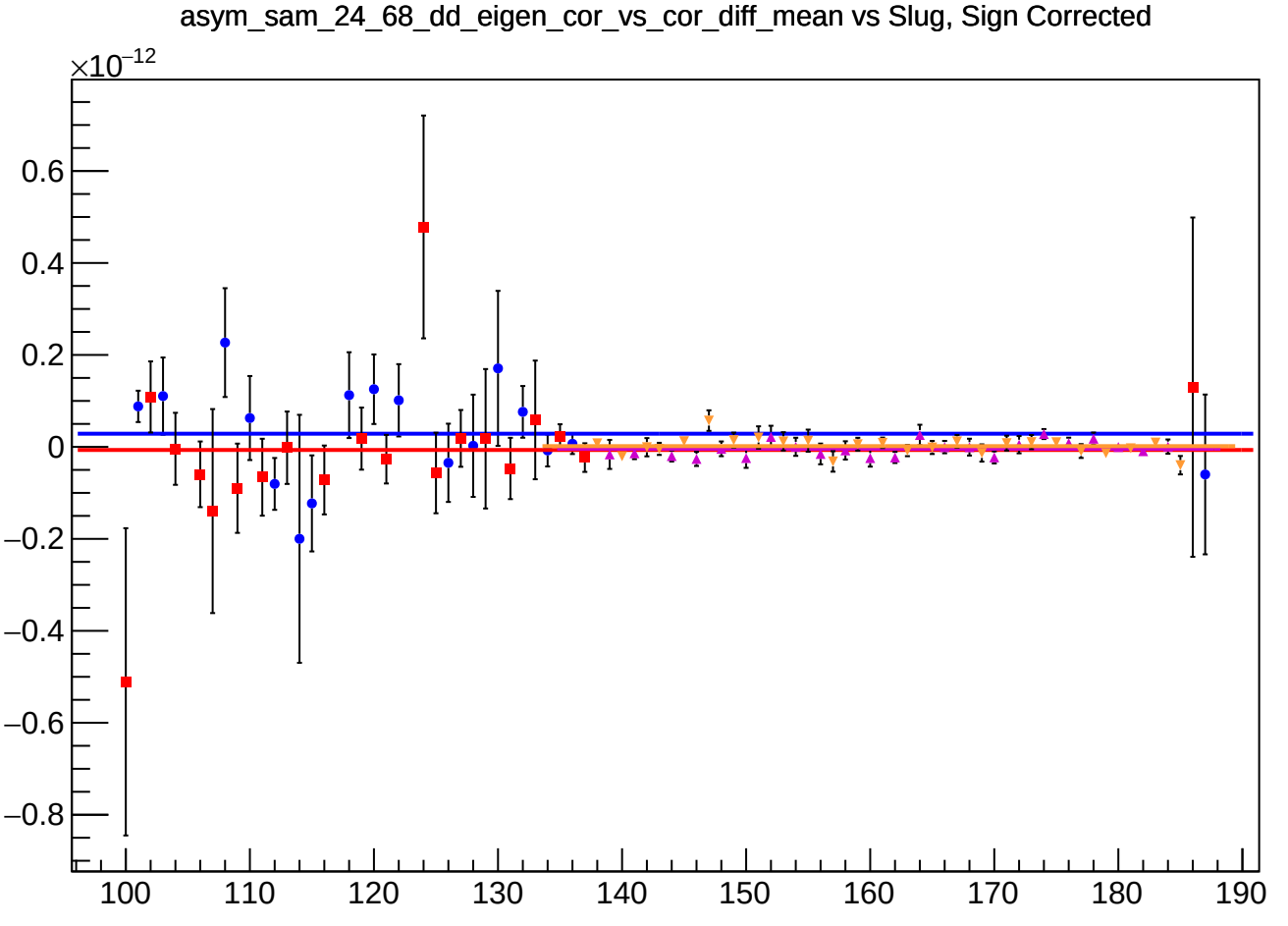
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

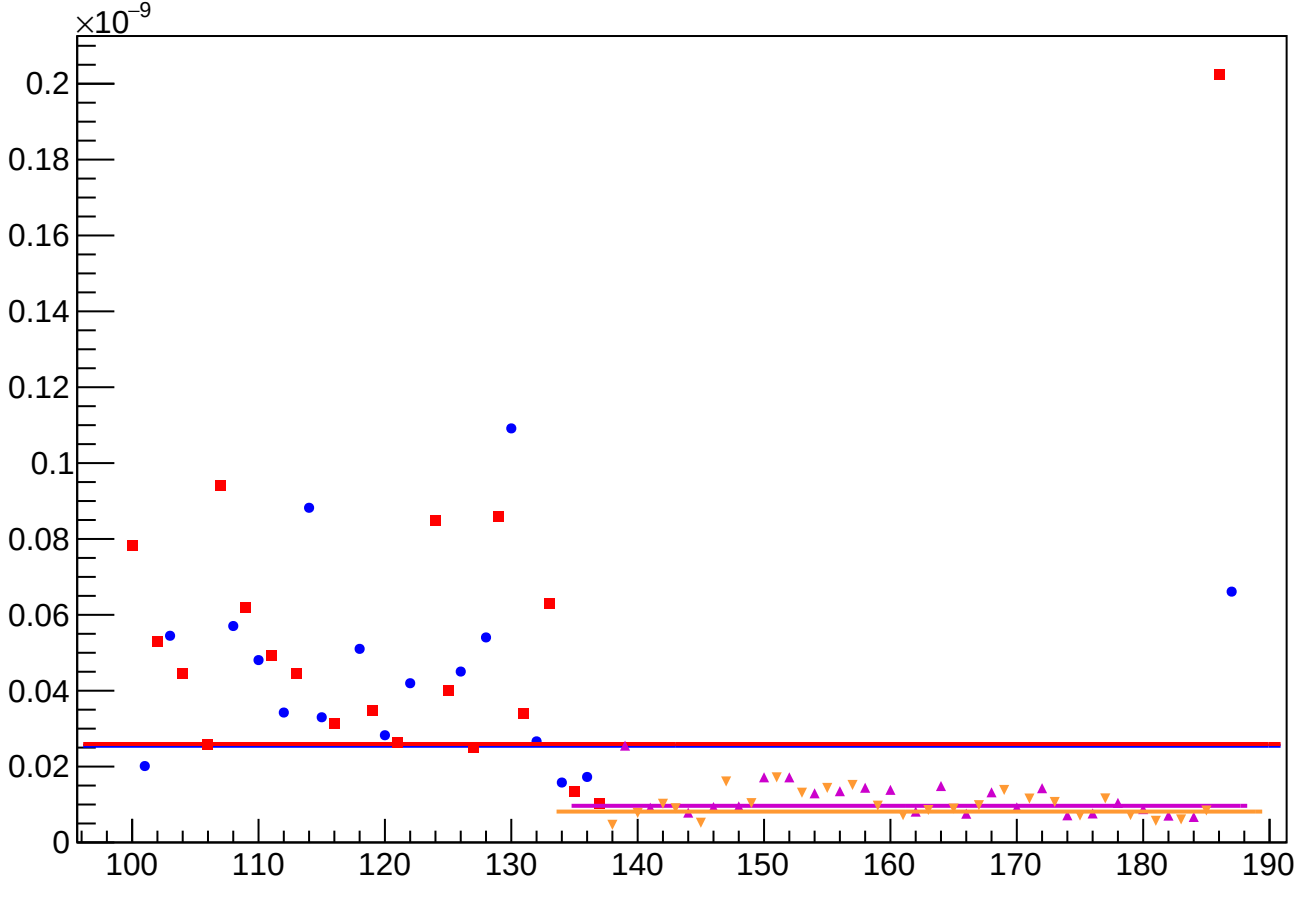
Right: 47.067+/-0.009 χ^2/NDF: 1600404.0/36

In: 41.225+/-0.006 χ^2/NDF:3051004.5/39

Out: 41.693+/-0.006 χ^2/NDF:3451149.2/44

All: 41.463+/-0.004 χ^2/NDF: 6505178.5/84


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 21.2/16
Left Out: 0.000+/-0.000 χ²/NDF:28.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.4/19
Left In: -0.000+/-0.000 χ²/NDF:27.5/22
Left: -0.000+/-0.000 χ²/NDF: 57.5/47
Right: 0.000+/-0.000 χ²/NDF: 38.8/36
In: -0.000+/-0.000 χ²/NDF:54.3/39
Out: 0.000+/-0.000 χ²/NDF:42.7/44
All: -0.000+/-0.000 χ²/NDF: 97.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 2227999.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3249028.1/19

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

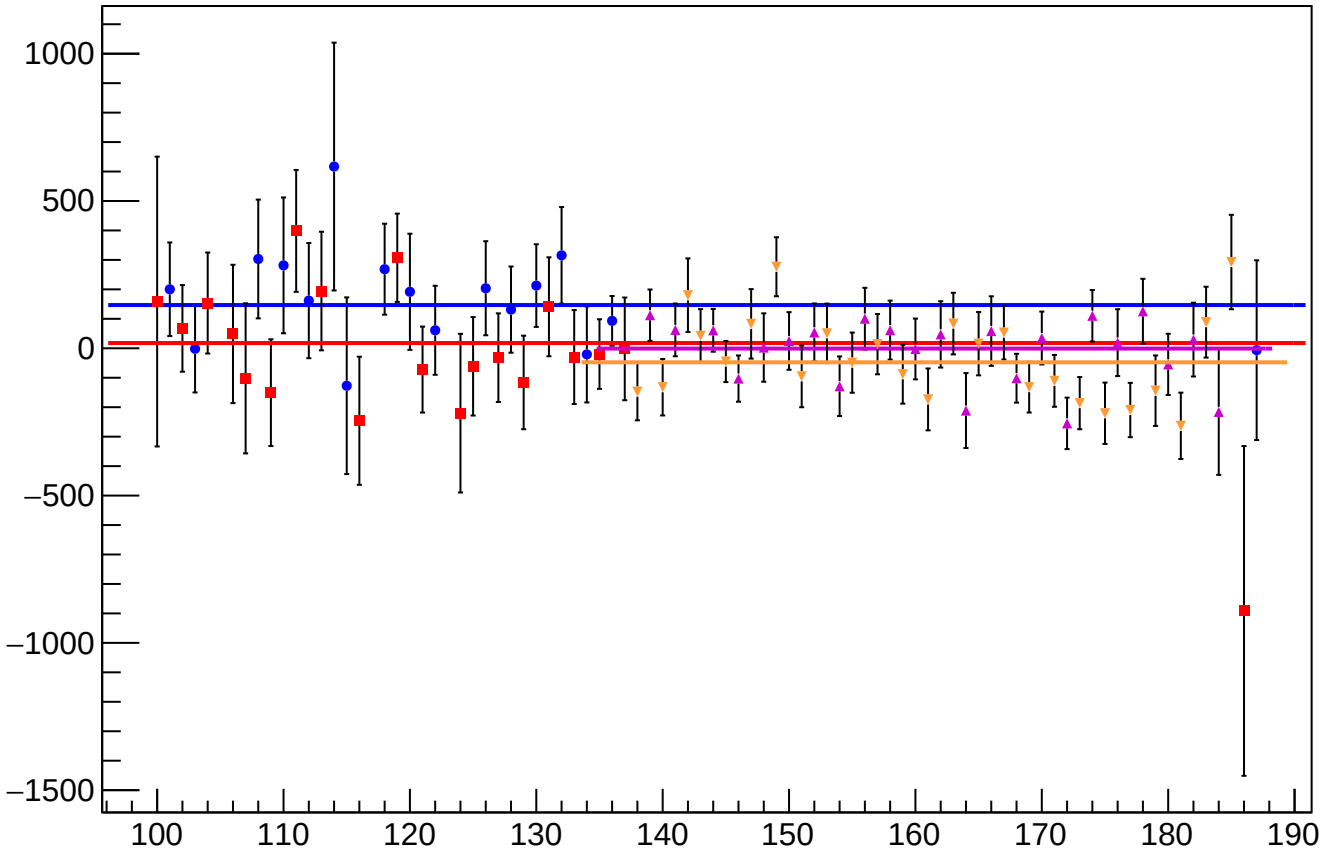
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5478166.8/36

In: 0.000+/-0.000 χ^2/NDF:6956329.9/39

Out: 0.000+/-0.000 χ^2/NDF:8597051.0/44

All: 0.000+/-0.000 χ^2/NDF: 15943793.3/84



Right In: 146.713+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 17.880+/-39.998 χ^2/NDF: 16.9/19

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

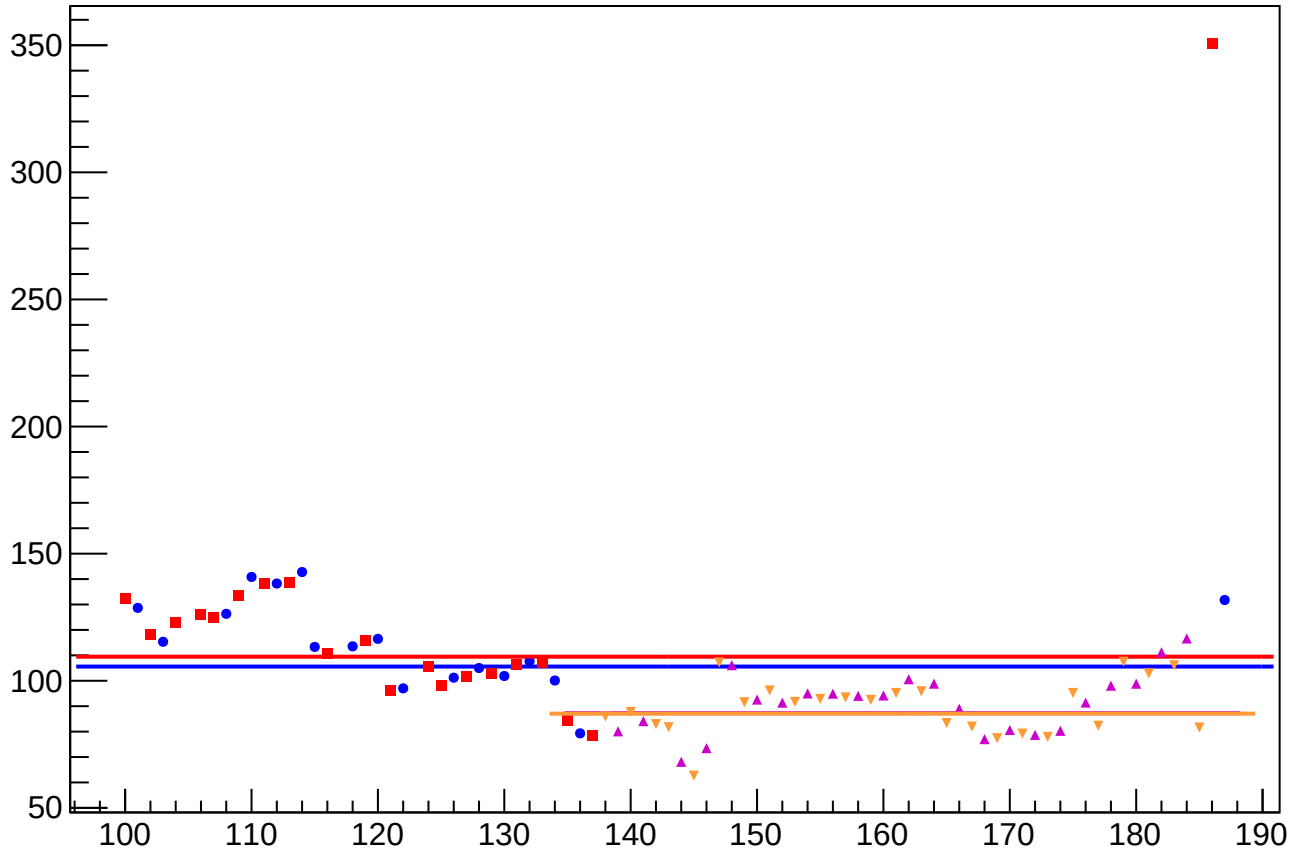
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 83.339+/-28.053 χ^2/NDF: 30.4/36

In: 30.787+/-18.254 χ^2/NDF:44.8/39

Out: -34.460+/-17.876 χ^2/NDF:63.0/44

All: -2.518+/-12.772 χ^2/NDF: 114.3/84



Right In: 105.589+/-0.028 χ^2/NDF: 423381.2/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 109.471+/-0.028 χ^2/NDF: 723138.1/19

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

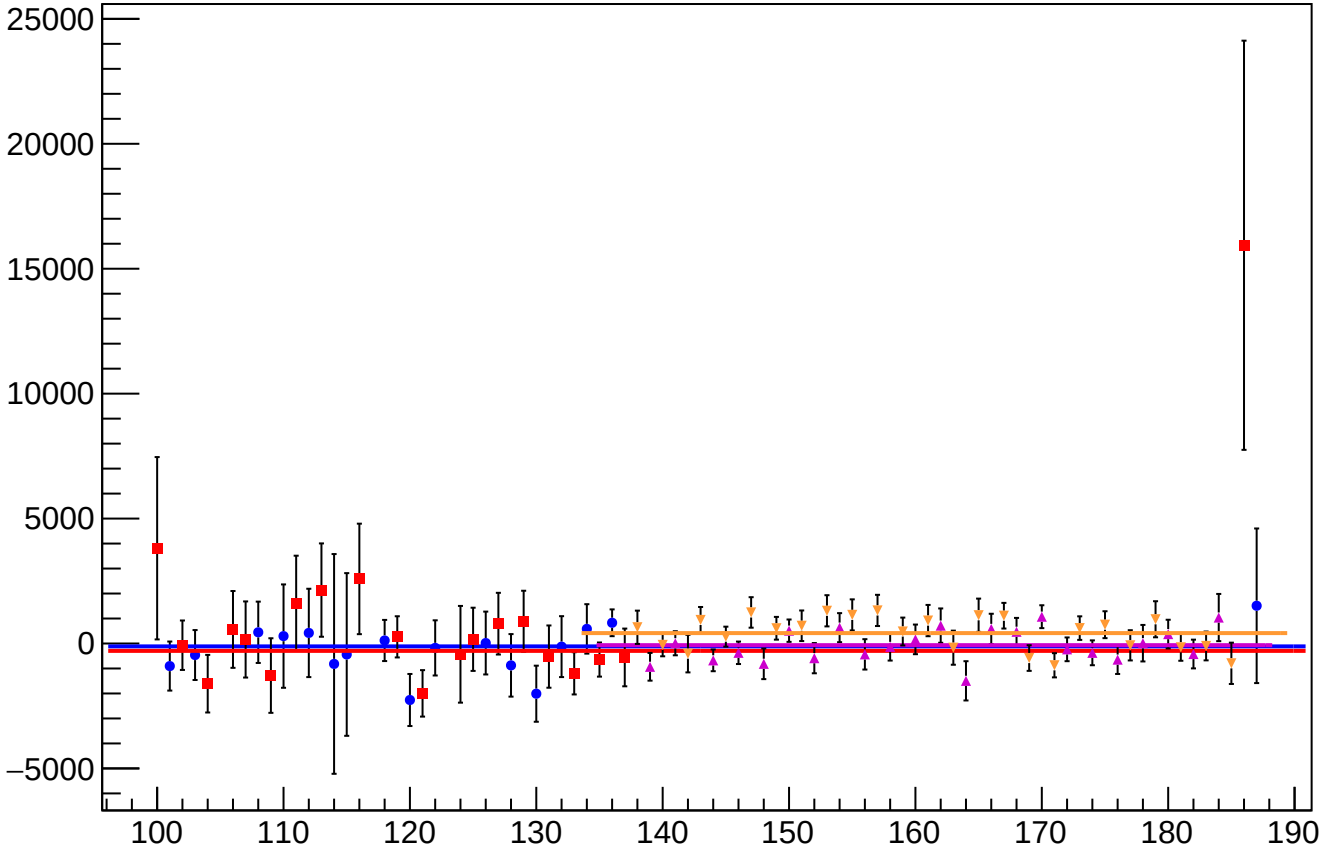
Right: 107.499+/-0.020 χ^2/NDF: 1156089.3/36

In: 91.200+/-0.013 χ^2/NDF:1359797.6/39

Out: 91.546+/-0.013 χ^2/NDF:1845695.6/44

All: 91.377+/-0.009 χ^2/NDF: 3205858.9/84

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -115.803+/-267.604 χ^2/NDF: 12.6/16

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -295.363+/-269.984 χ^2/NDF: 18.9/19

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

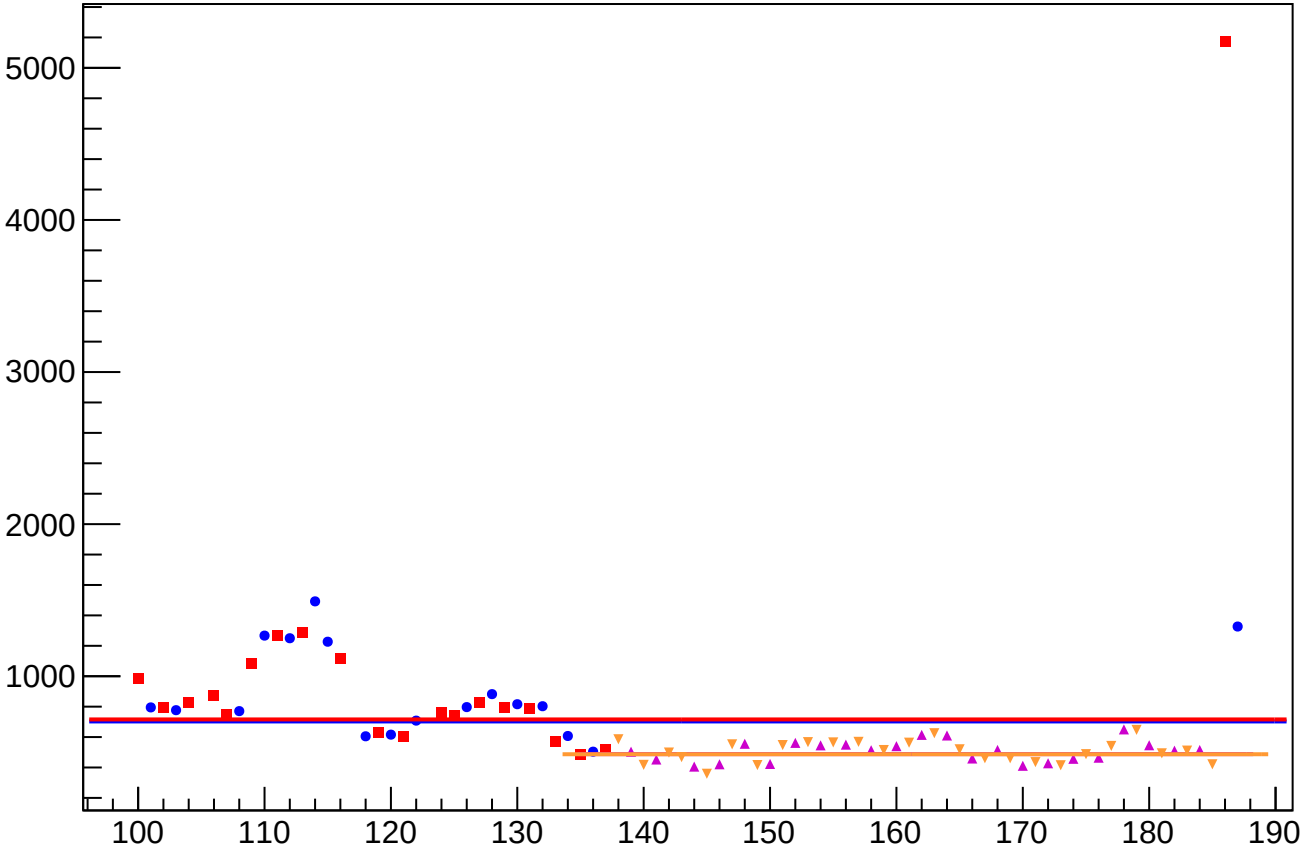
Right: -204.789+/-190.061 χ^2/NDF: 31.7/36

In: -74.381+/-105.982 χ^2/NDF:40.1/39

Out: 311.381+/-103.716 χ^2/NDF:57.3/44

All: 122.667+/-74.126 χ^2/NDF: 104.2/84

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 702.758+/-0.189 χ^2/NDF: 994823.2/16

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 715.938+/-0.191 χ^2/NDF: 1628341.8/19

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

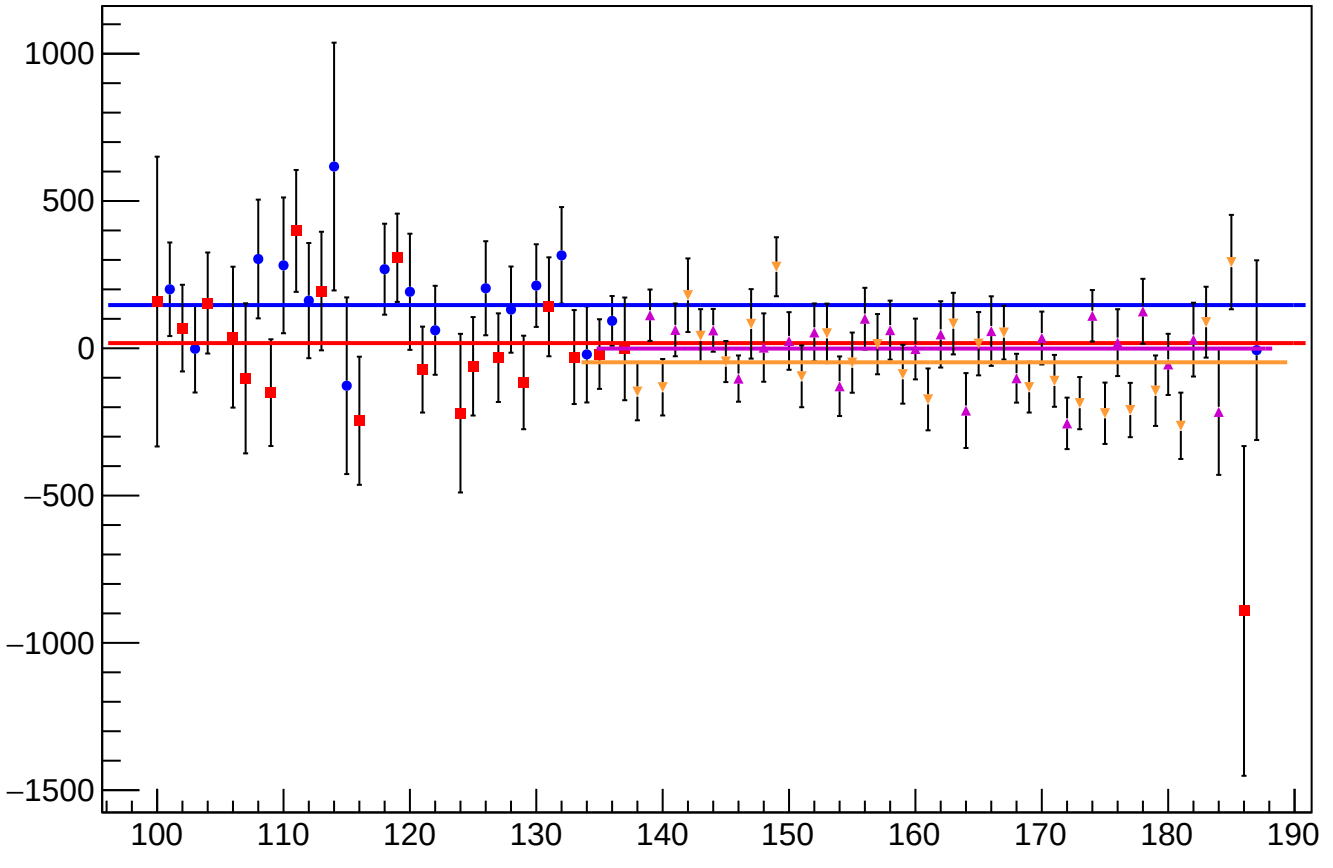
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 709.290+/-0.134 χ^2/NDF: 2625569.5/36

In: 521.625+/-0.075 χ^2/NDF:2715844.7/39

Out: 520.855+/-0.073 χ^2/NDF:3674621.5/44

All: 521.232+/-0.052 χ^2/NDF: 6390520.2/84



Right In: 146.704+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 17.624+/-40.020 χ^2/NDF: 16.9/19

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

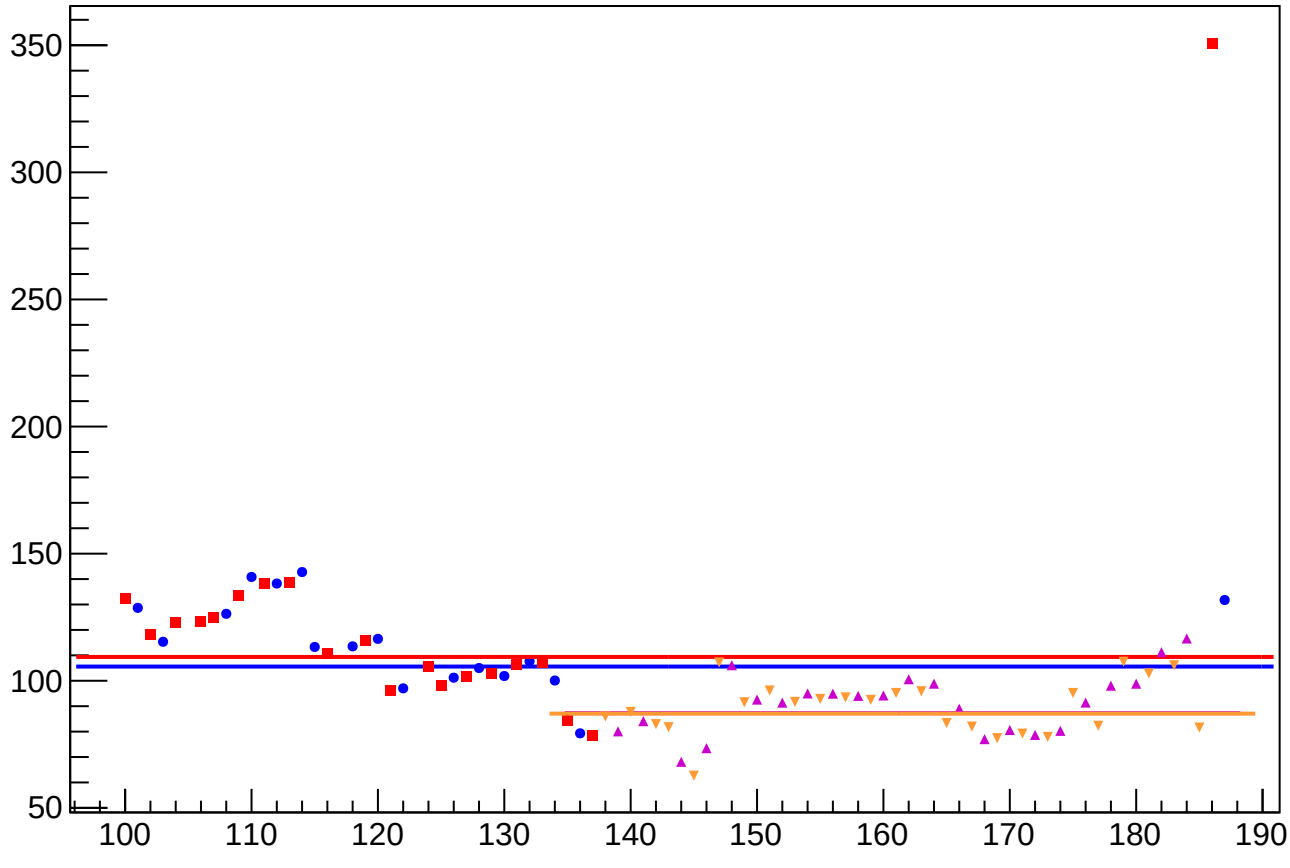
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 83.244+/-28.060 χ^2/NDF: 30.4/36

In: 30.784+/-18.254 χ^2/NDF:44.8/39

Out: -34.529+/-17.878 χ^2/NDF:62.9/44

All: -2.551+/-12.772 χ^2/NDF: 114.3/84



Right In: 105.589+/-0.028 χ^2/NDF: 423381.4/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 109.376+/-0.028 χ^2/NDF: 719818.7/19

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

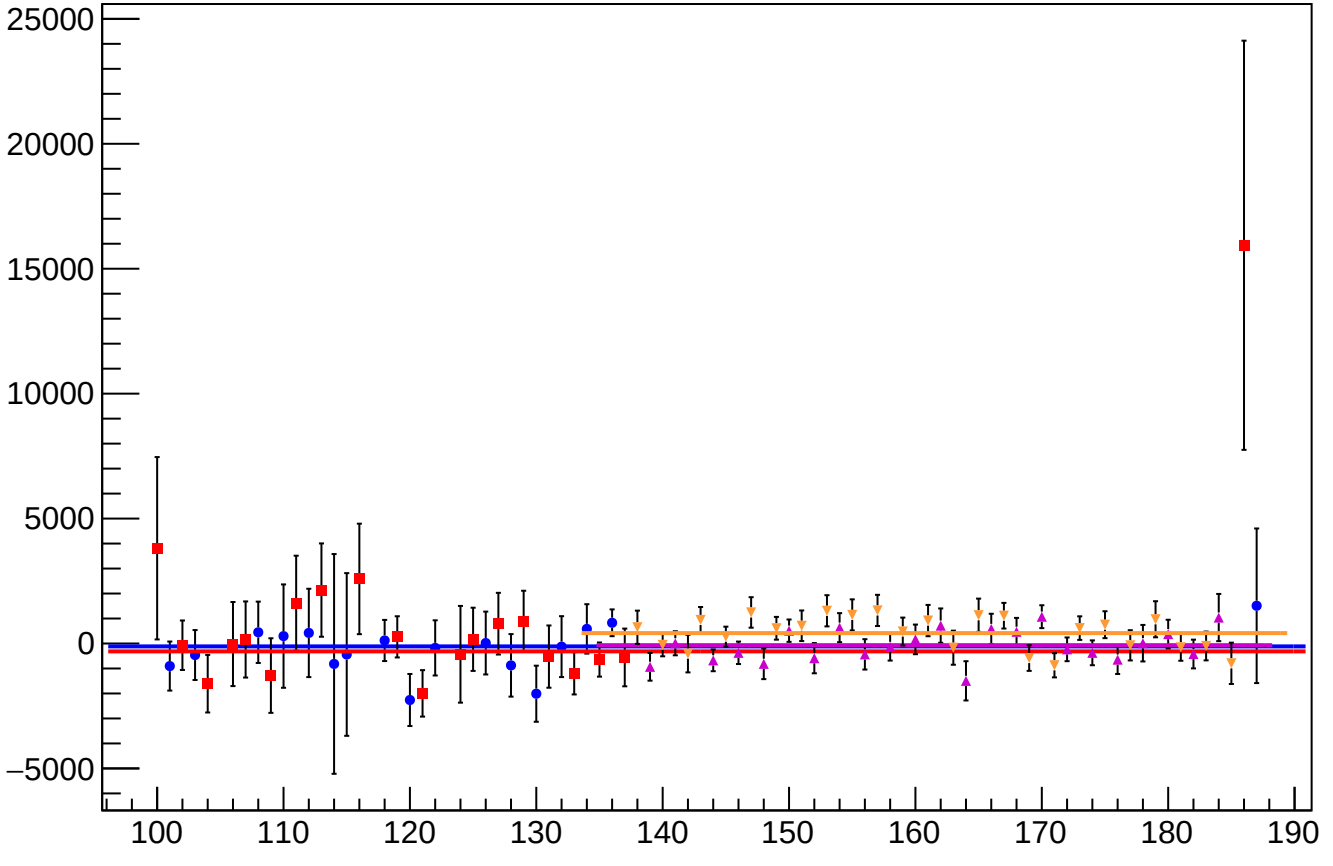
Right: 107.451+/-0.020 χ^2/NDF: 1152304.4/36

In: 91.200+/-0.013 χ^2/NDF:1359798.0/39

Out: 91.523+/-0.013 χ^2/NDF:1837711.9/44

All: 91.365+/-0.009 χ^2/NDF: 3197828.9/84

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -115.794+/-267.605 χ^2/NDF: 12.6/16

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -314.883+/-270.687 χ^2/NDF: 18.6/19

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

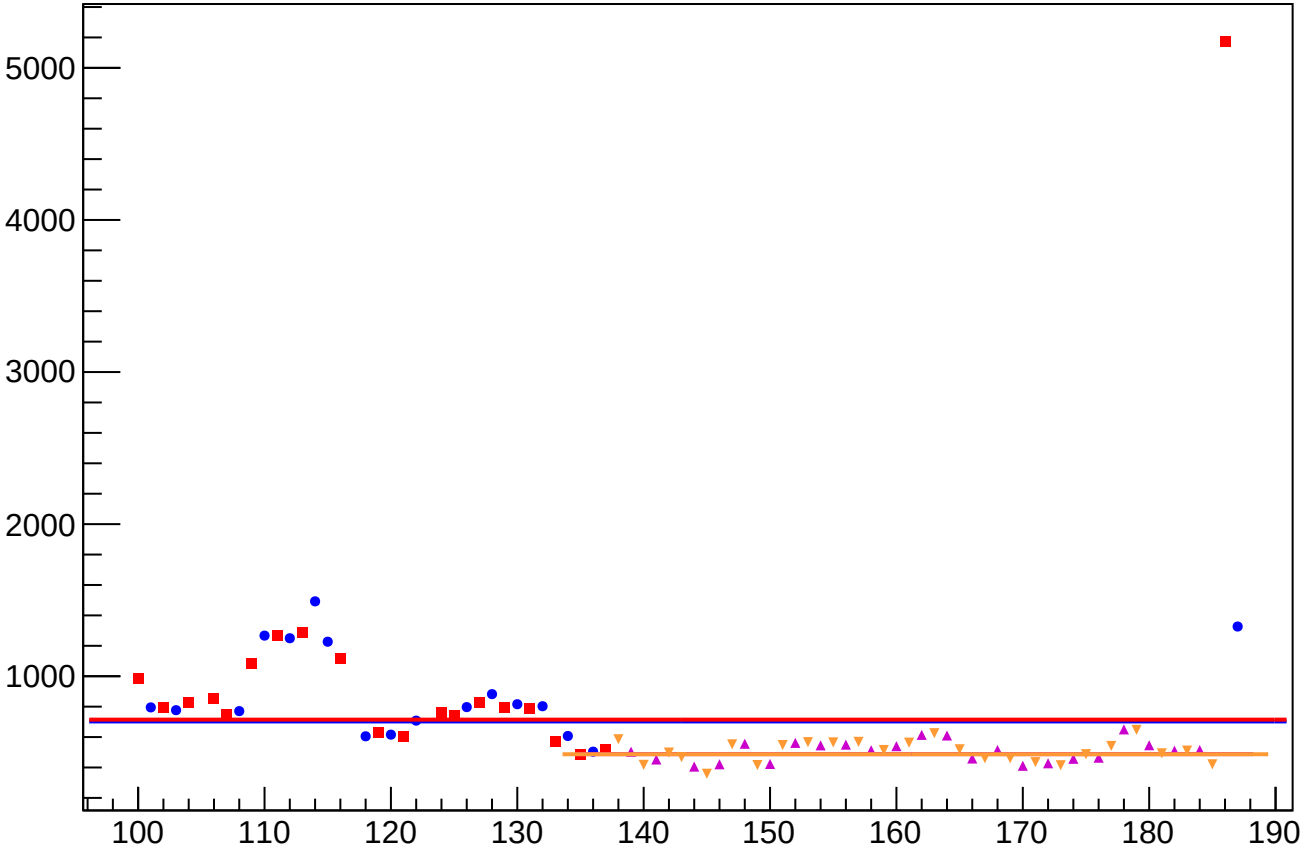
Right: -214.198+/-190.306 χ^2/NDF: 31.5/36

In: -74.378+/-105.982 χ^2/NDF:40.1/39

Out: 308.972+/-103.756 χ^2/NDF:57.3/44

All: 121.364+/-74.141 χ^2/NDF: 104.1/84

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 702.759+/-0.189 χ^2/NDF: 994832.5/16

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 714.626+/-0.191 χ^2/NDF: 1620690.5/19

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

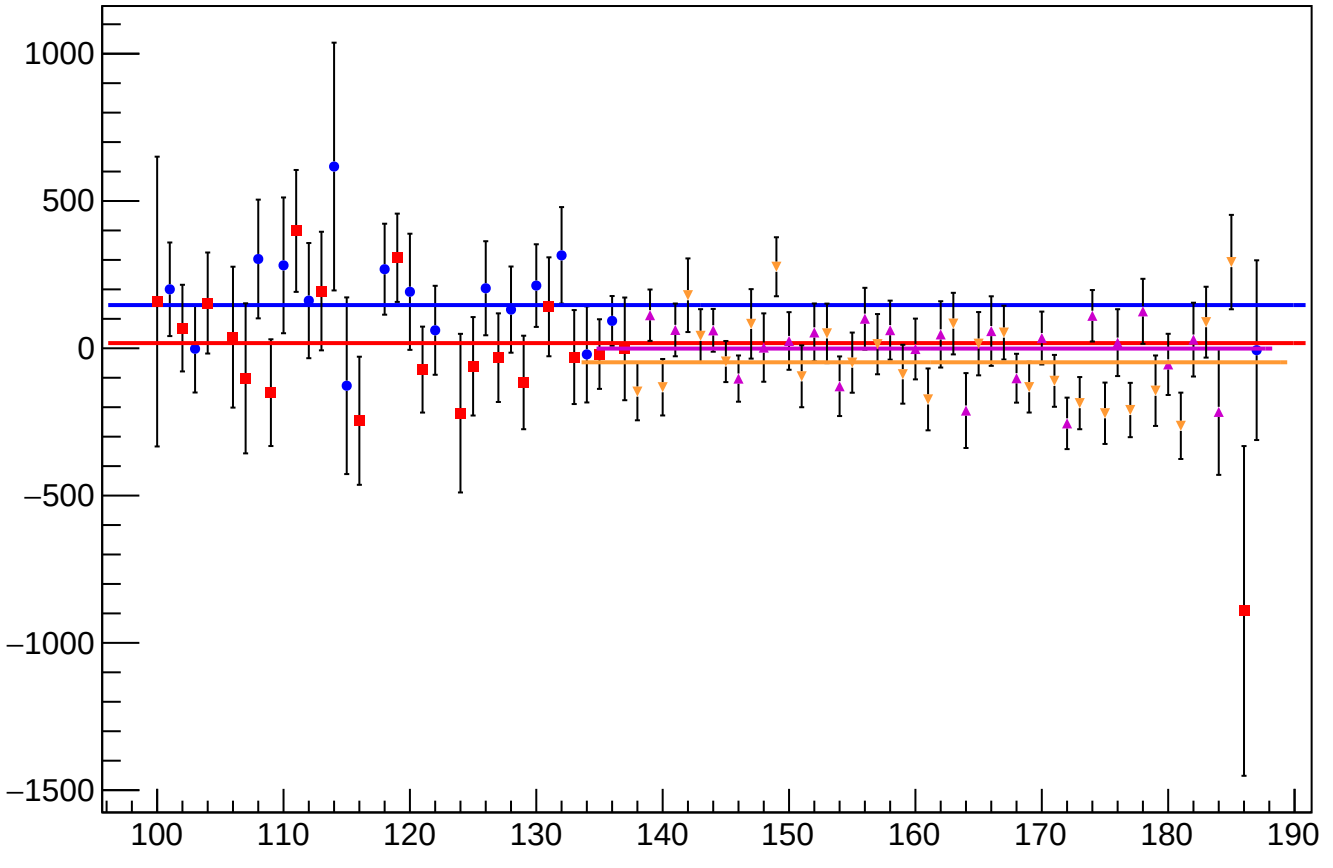
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 708.624+/-0.135 χ^2/NDF: 2617467.1/36

In: 521.625+/-0.075 χ^2/NDF:2715861.6/39

Out: 520.513+/-0.073 χ^2/NDF:3647591.5/44

All: 521.057+/-0.052 χ^2/NDF: 6363565.7/84



Right In: 146.704+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 17.624+/-40.020 χ^2/NDF: 16.9/19

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

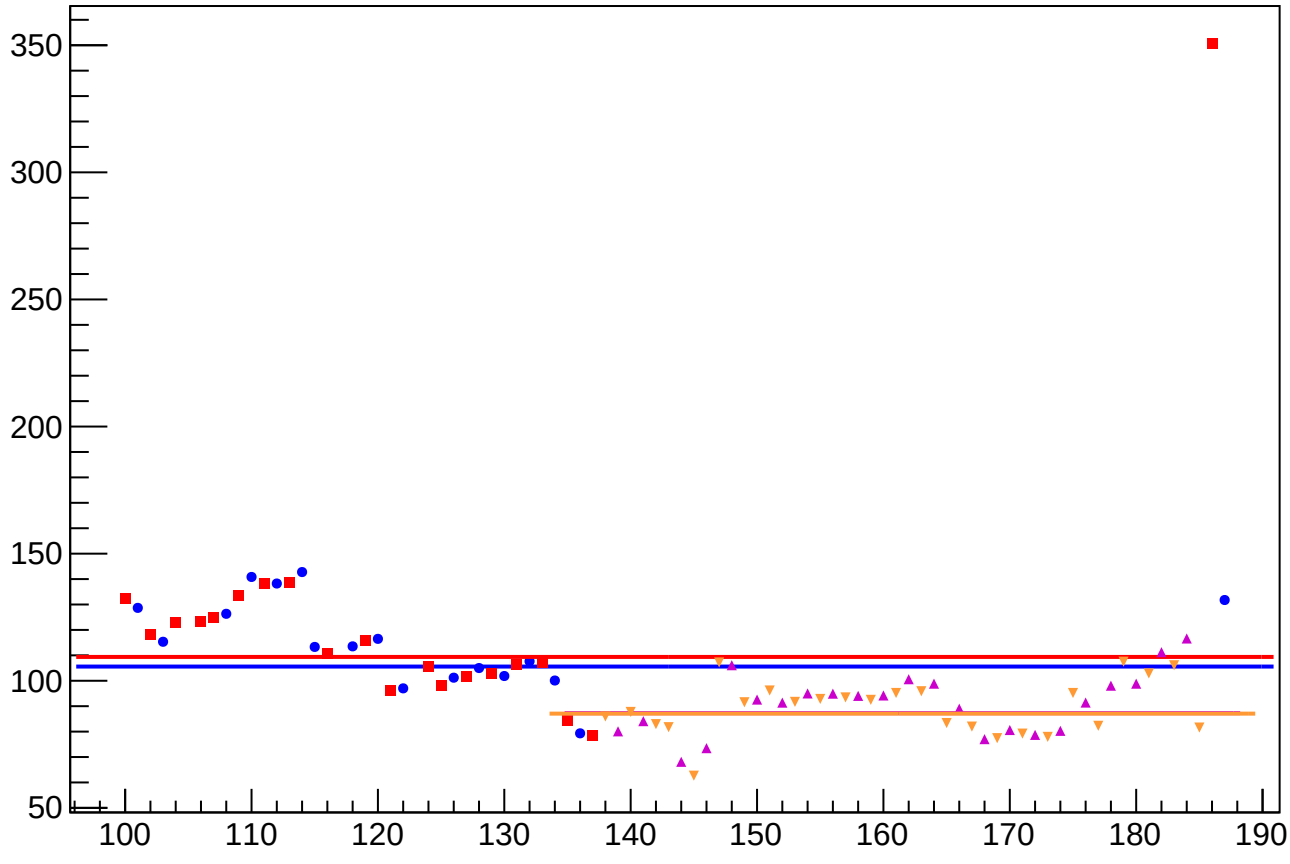
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 83.244+/-28.060 χ^2/NDF: 30.4/36

In: 30.784+/-18.254 χ^2/NDF:44.8/39

Out: -34.529+/-17.878 χ^2/NDF:62.9/44

All: -2.551+/-12.772 χ^2/NDF: 114.3/84



Right In: 105.589+/-0.028 χ^2/NDF: 423381.4/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 109.376+/-0.028 χ^2/NDF: 719818.7/19

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

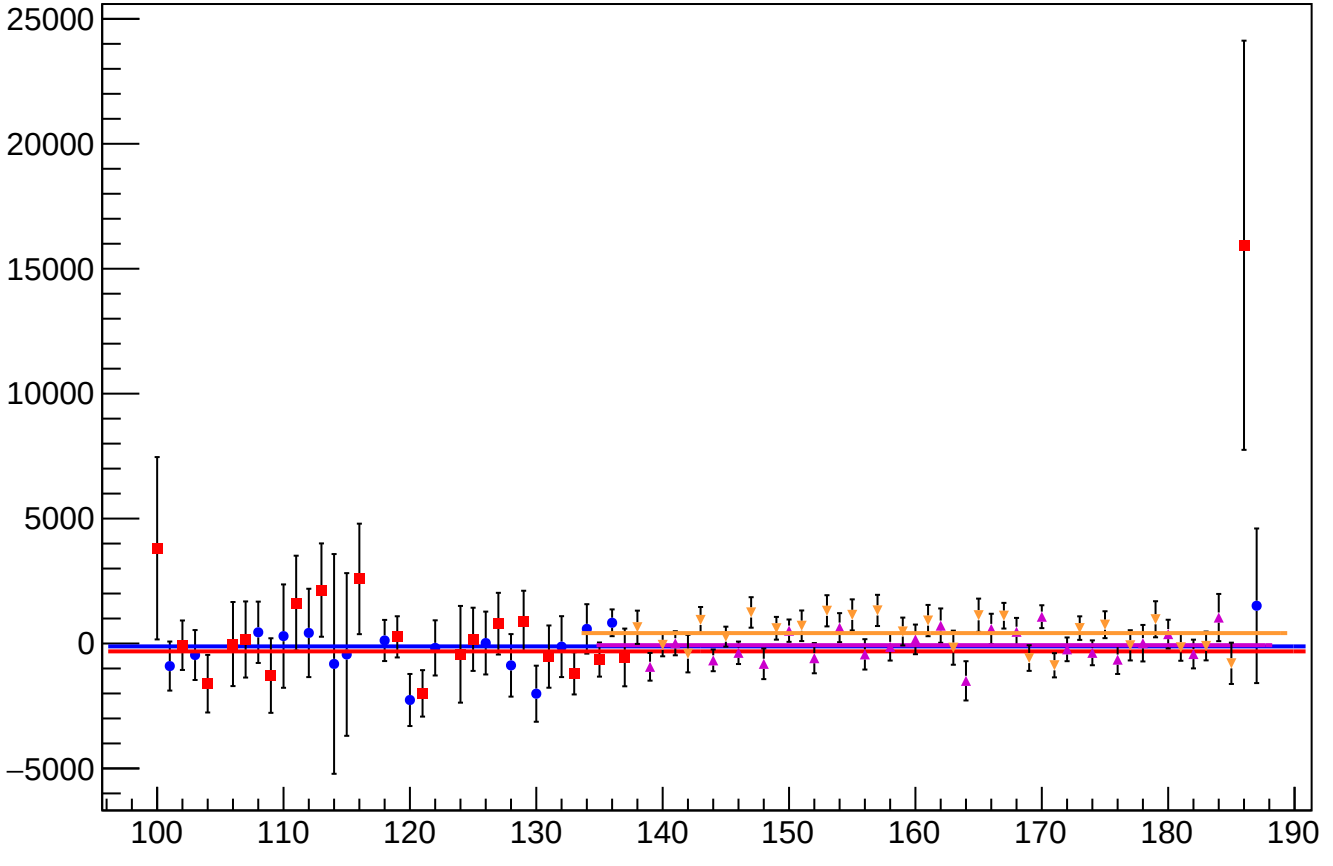
Right: 107.451+/-0.020 χ^2/NDF: 1152304.4/36

In: 91.200+/-0.013 χ^2/NDF:1359798.0/39

Out: 91.523+/-0.013 χ^2/NDF:1837711.9/44

All: 91.365+/-0.009 χ^2/NDF: 3197828.9/84

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -115.794+/-267.605 χ^2/NDF: 12.6/16

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -314.883+/-270.687 χ^2/NDF: 18.6/19

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

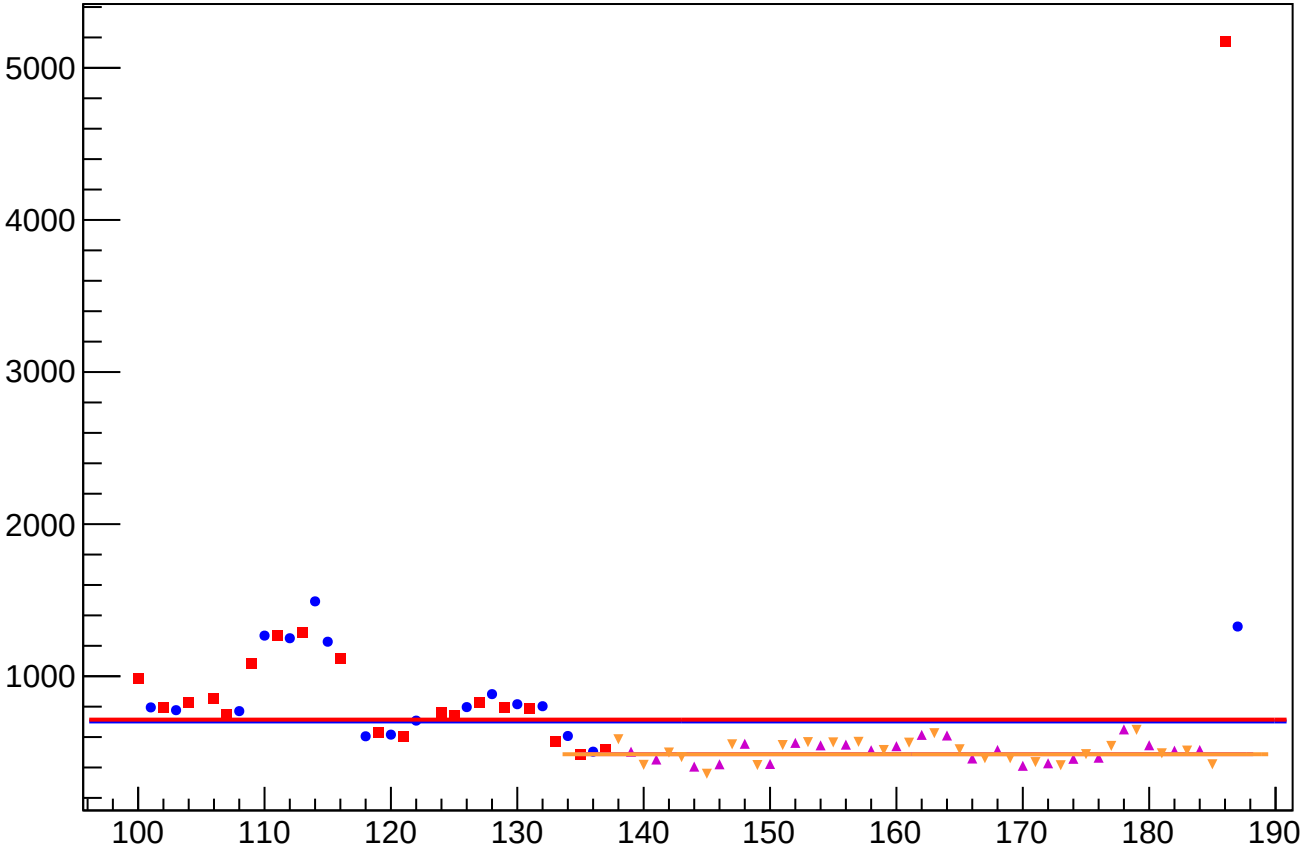
Right: -214.198+/-190.306 χ^2/NDF: 31.5/36

In: -74.378+/-105.982 χ^2/NDF:40.1/39

Out: 308.972+/-103.756 χ^2/NDF:57.3/44

All: 121.364+/-74.141 χ^2/NDF: 104.1/84

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 702.759+/-0.189 χ^2/NDF: 994832.5/16

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 714.626+/-0.191 χ^2/NDF: 1620690.5/19

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

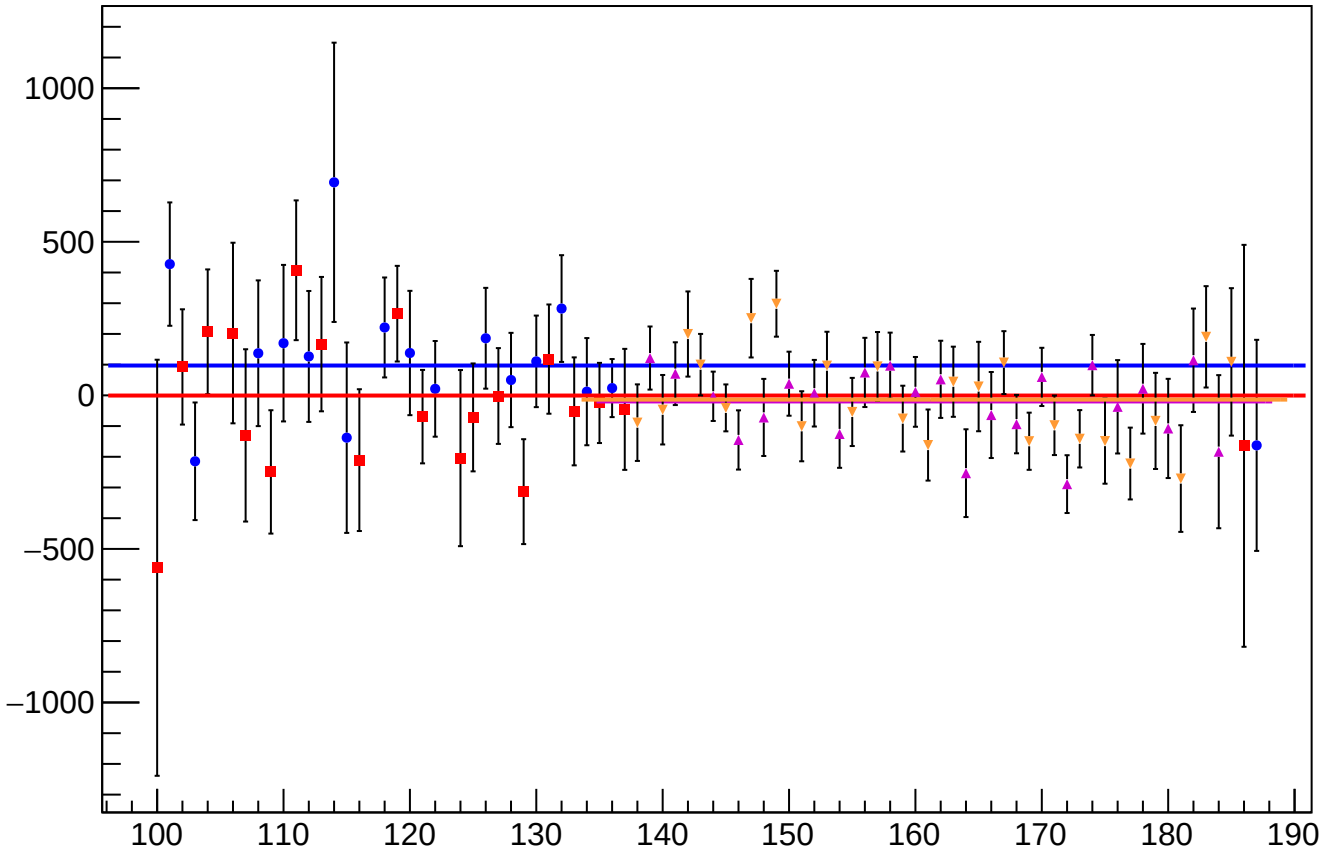
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 708.624+/-0.135 χ^2/NDF: 2617467.1/36

In: 521.625+/-0.075 χ^2/NDF:2715861.6/39

Out: 520.513+/-0.073 χ^2/NDF:3647591.5/44

All: 521.057+/-0.052 χ^2/NDF: 6363565.7/84



Right In: 97.114+/-43.165 χ^2/NDF: 11.6/16

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.616+/-43.935 χ^2/NDF: 16.7/19

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

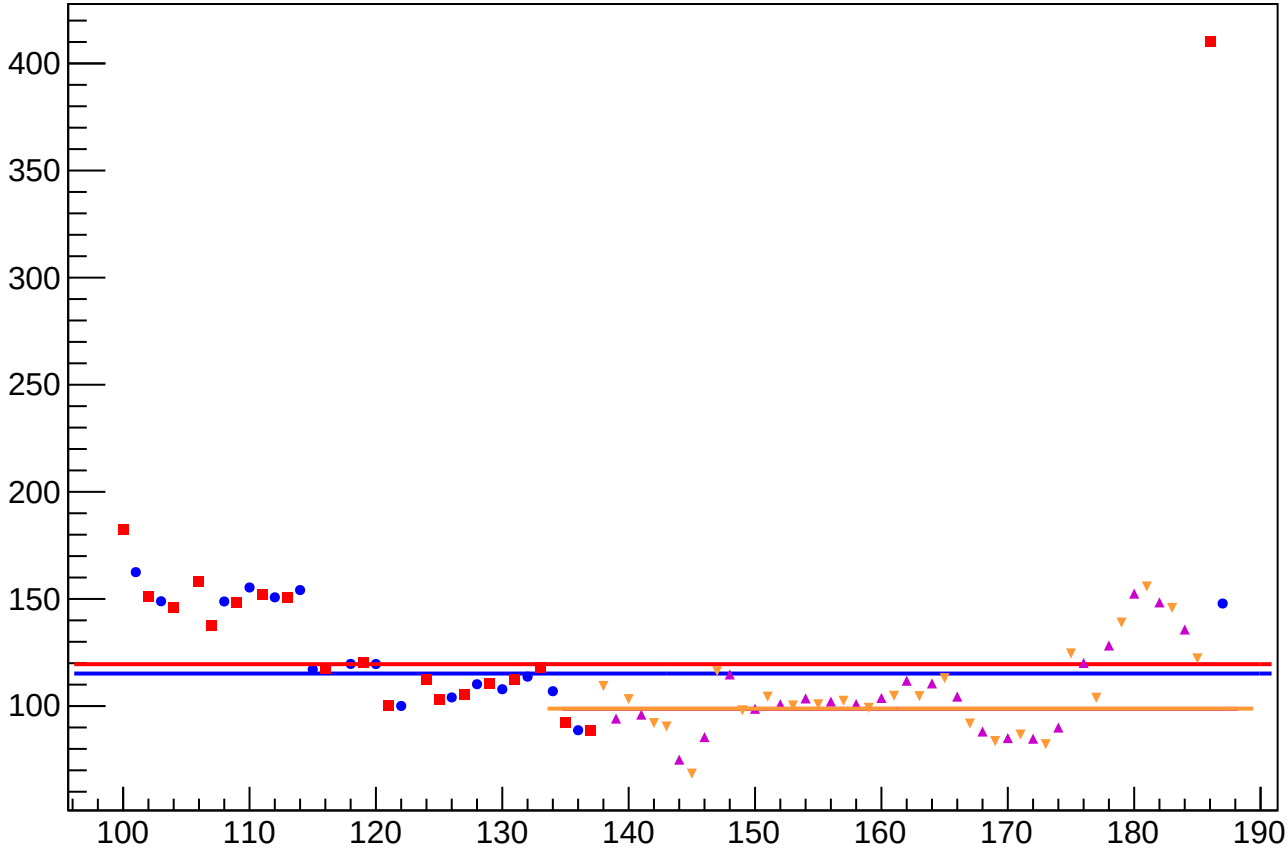
Right: 49.113+/-30.791 χ^2/NDF: 30.8/36

In: 7.051+/-20.688 χ^2/NDF:40.6/39

Out: -11.062+/-20.318 χ^2/NDF:53.1/44

All: -2.169+/-14.496 χ^2/NDF: 94.1/84

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 115.179+/-0.031 χ^2/NDF: 550359.6/16

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 119.547+/-0.031 χ^2/NDF: 879717.2/19

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

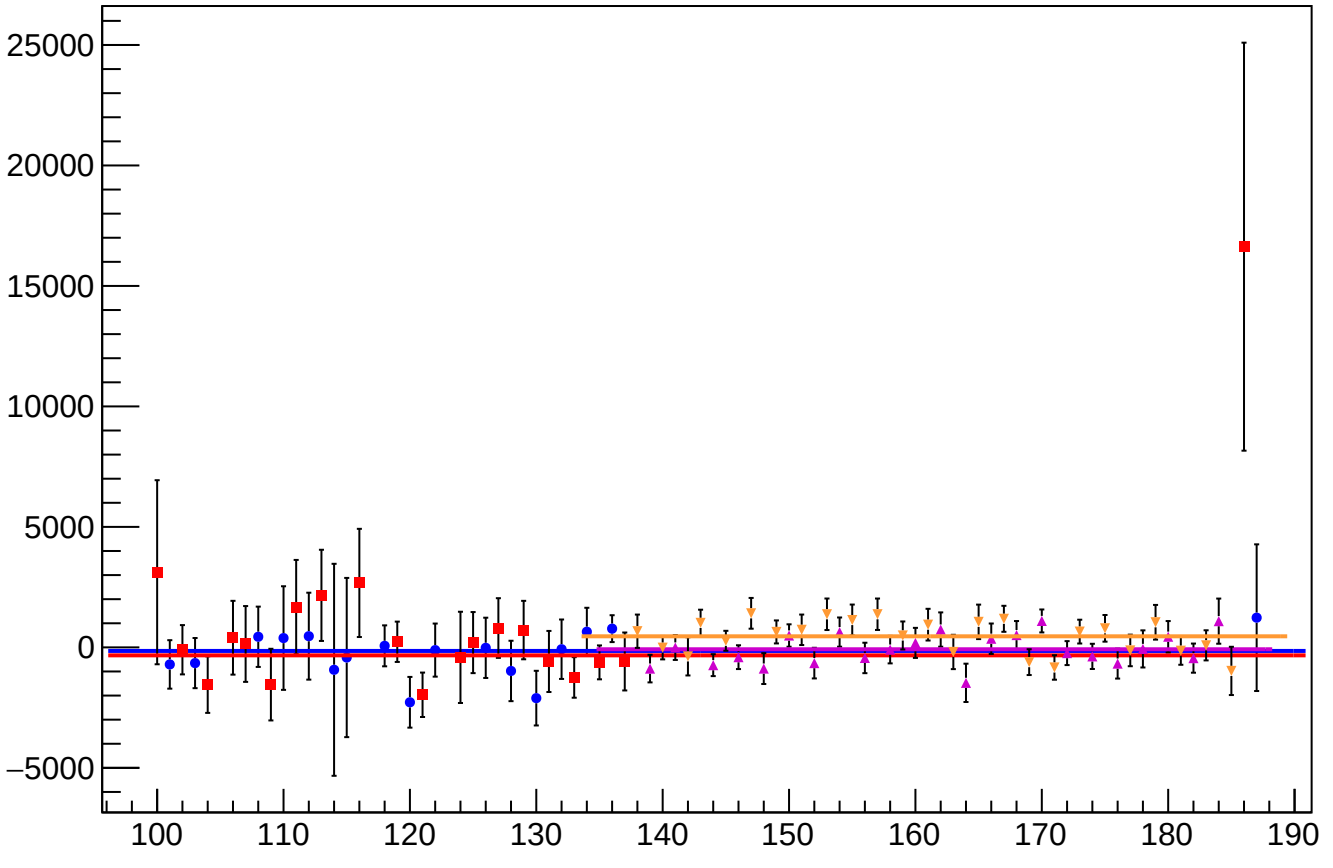
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 117.324+/-0.022 χ^2/NDF: 1440136.3/36

In: 102.464+/-0.015 χ^2/NDF:1763442.0/39

Out: 103.236+/-0.014 χ^2/NDF:2416150.5/44

All: 102.857+/-0.010 χ^2/NDF: 4181009.8/84



Right In: -147.878+/-273.447 χ^2/NDF: 12.2/16

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -330.817+/-273.453 χ^2/NDF: 18.3/19

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

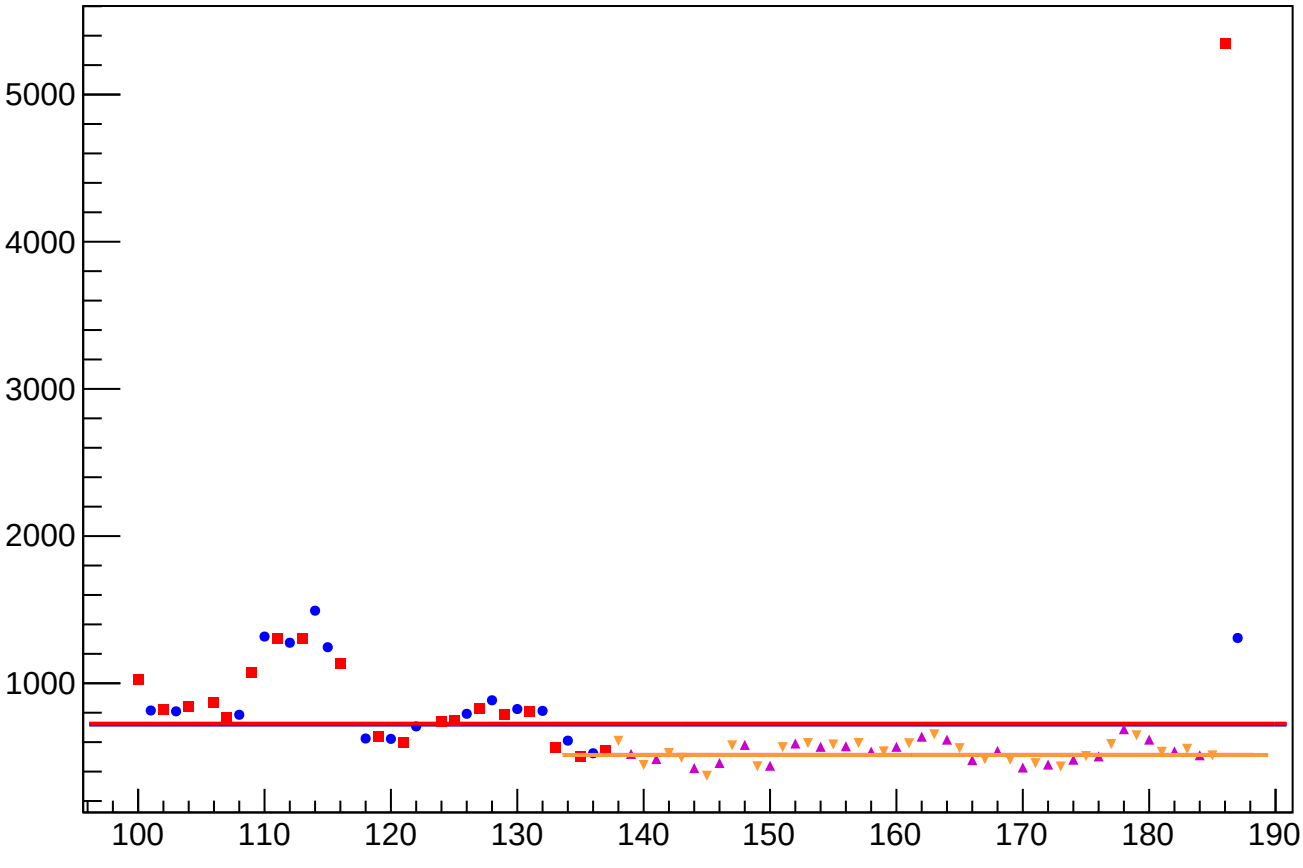
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -239.346+/-193.358 χ^2/NDF: 30.7/36

In: -90.172+/-110.984 χ^2/NDF:38.5/39

Out: 334.898+/-108.429 χ^2/NDF:56.1/44

All: 127.313+/-77.559 χ^2/NDF: 102.1/84



Right In: 719.453+/-0.193 χ^2/NDF: 951515.9/16

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 725.710+/-0.193 χ^2/NDF: 1614811.1/19

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

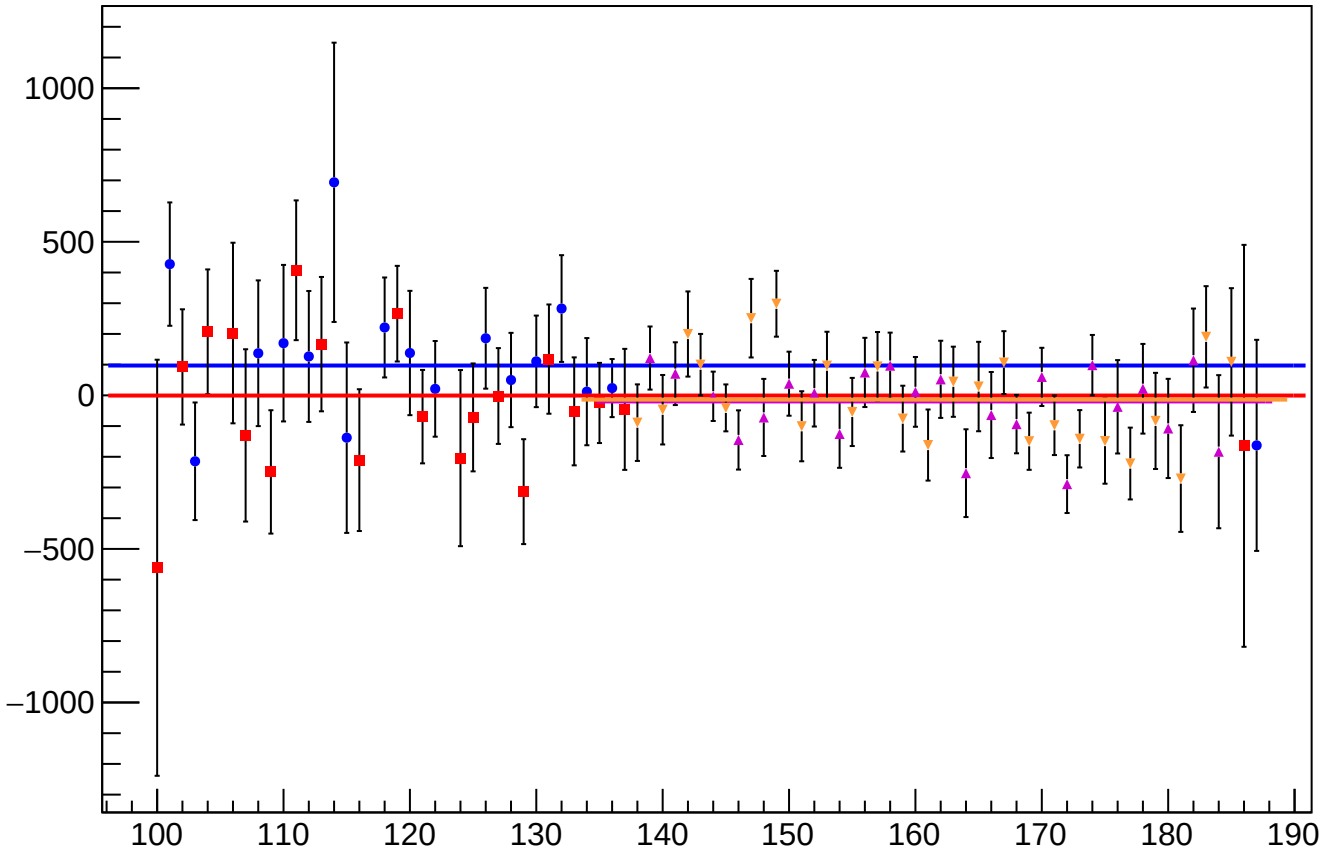
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 722.581+/-0.137 χ^2/NDF: 2566850.8/36

In: 547.322+/-0.078 χ^2/NDF:2534310.3/39

Out: 546.249+/-0.077 χ^2/NDF:3436161.2/44

All: 546.773+/-0.055 χ^2/NDF: 5970567.2/84



Right In: 97.112+/-43.165 χ^2/NDF: 11.6/16

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.617+/-43.935 χ^2/NDF: 16.7/19

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

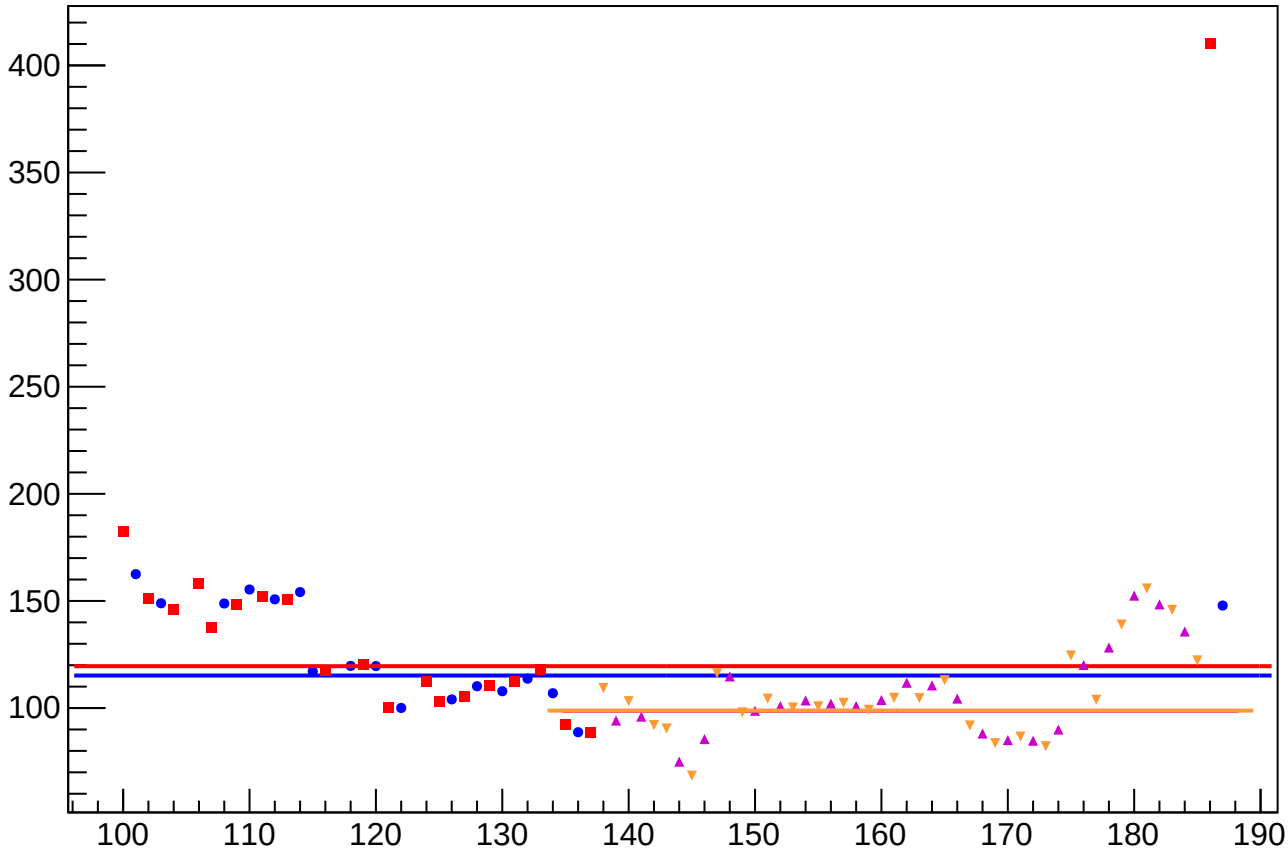
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 49.112+/-30.791 χ^2/NDF: 30.8/36

In: 7.050+/-20.688 χ^2/NDF:40.6/39

Out: -11.064+/-20.318 χ^2/NDF:53.1/44

All: -2.170+/-14.496 χ^2/NDF: 94.1/84



Right In: 115.179+/-0.031 χ^2/NDF: 550345.3/16

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 119.547+/-0.031 χ^2/NDF: 879705.4/19

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

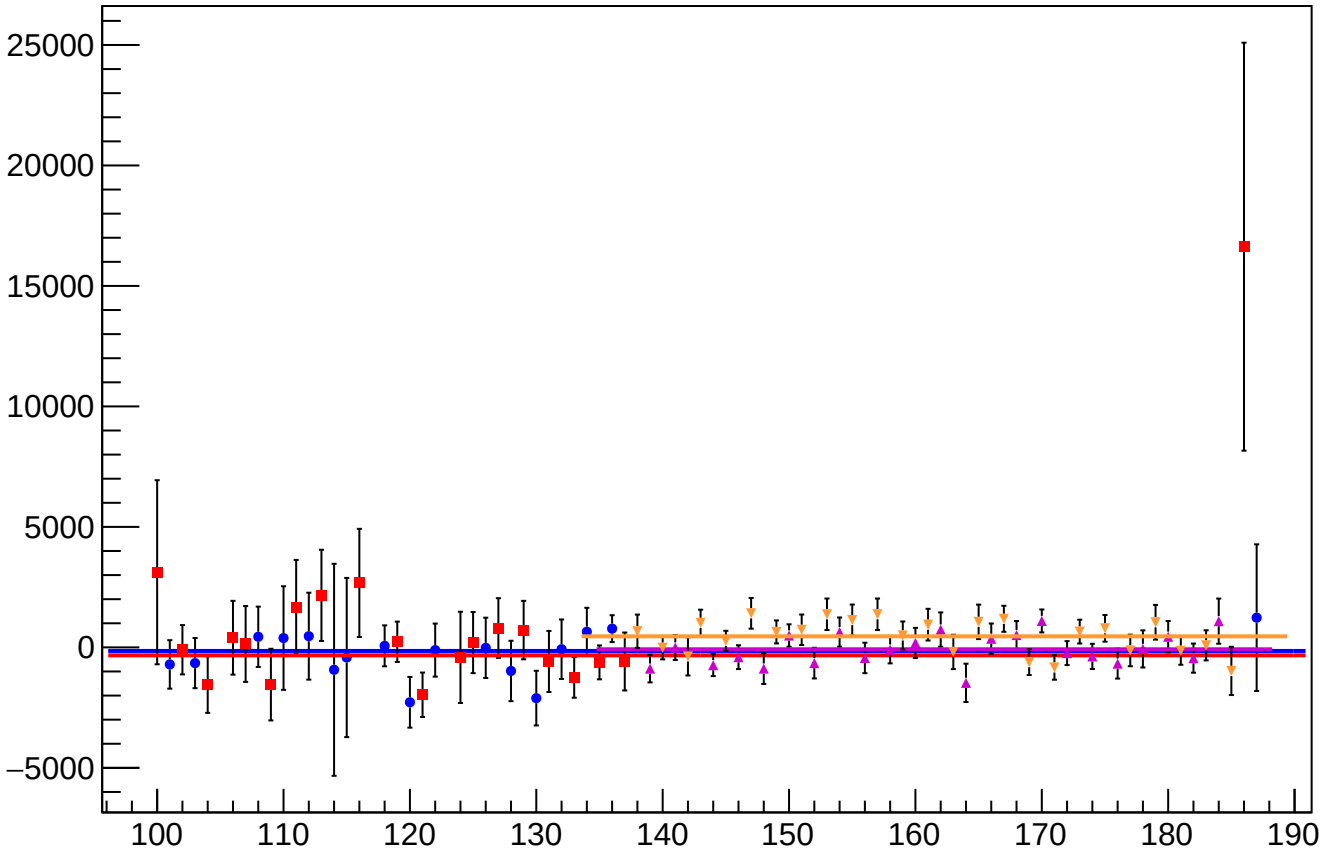
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 117.324+/-0.022 χ^2/NDF: 1440109.4/36

In: 102.464+/-0.015 χ^2/NDF:1763423.3/39

Out: 103.236+/-0.014 χ^2/NDF:2416144.5/44

All: 102.857+/-0.010 χ^2/NDF: 4180984.8/84



Right In: -147.880+/-273.447 χ^2/NDF: 12.2/16

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -330.817+/-273.452 χ^2/NDF: 18.3/19

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

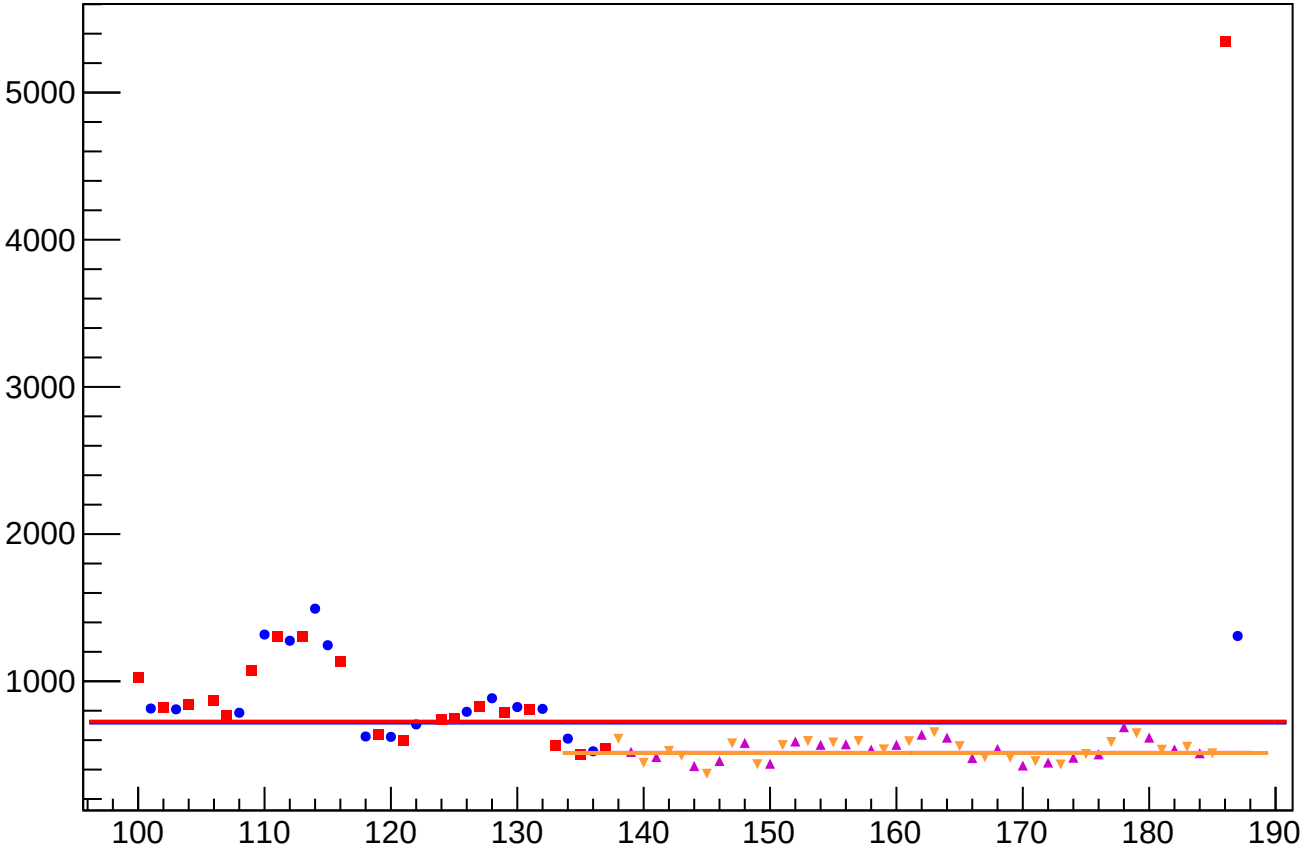
Right: -239.347+/-193.358 χ^2/NDF: 30.7/36

In: -90.172+/-110.984 χ^2/NDF:38.5/39

Out: 334.896+/-108.429 χ^2/NDF:56.1/44

All: 127.312+/-77.559 χ^2/NDF: 102.1/84

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 719.453+/-0.193 χ^2/NDF: 951509.7/16

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 725.710+/-0.193 χ^2/NDF: 1614804.5/19

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

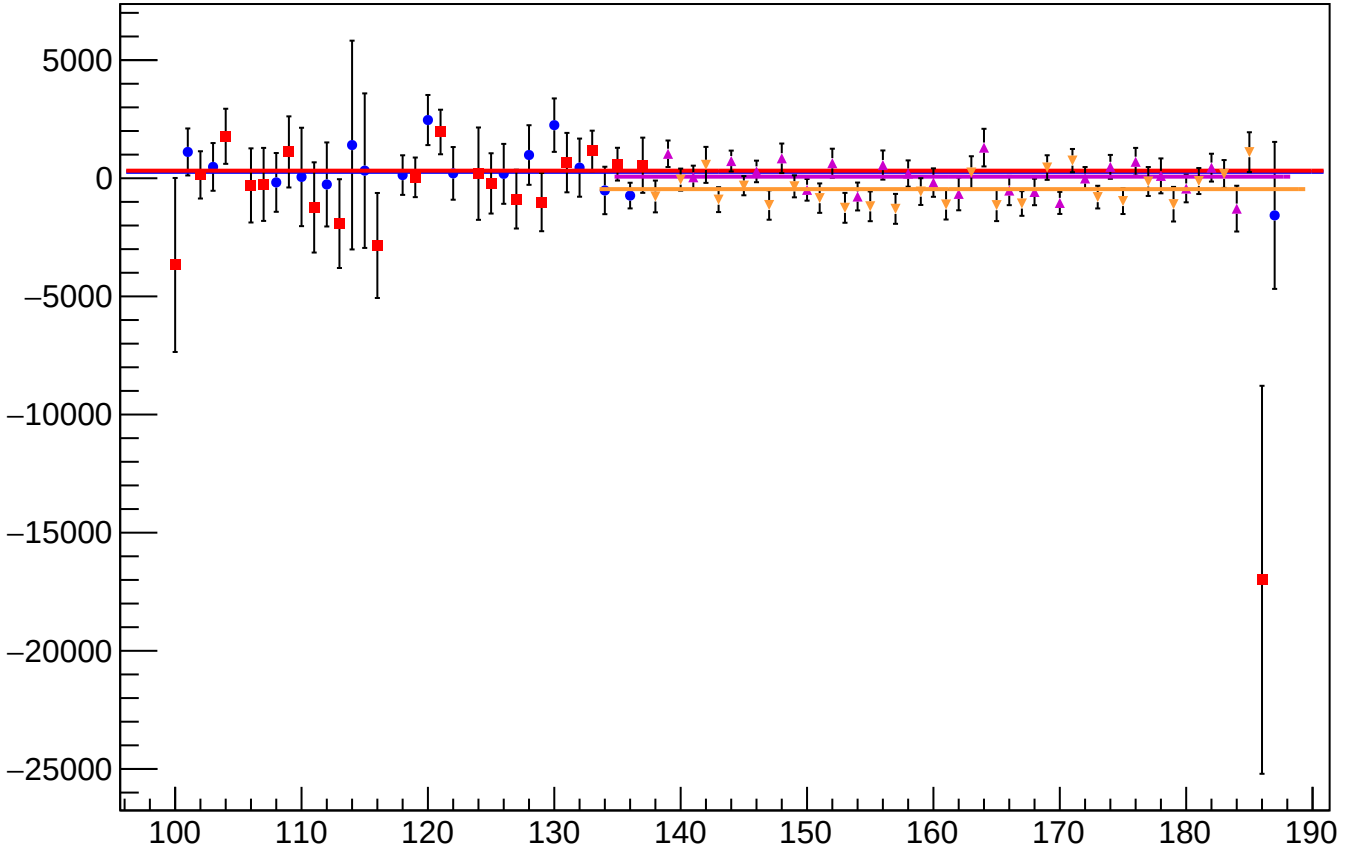
Right: 722.581+/-0.137 χ^2/NDF: 2566837.8/36

In: 547.322+/-0.078 χ^2/NDF:2534303.9/39

Out: 546.249+/-0.077 χ^2/NDF:3436155.1/44

All: 546.773+/-0.055 χ^2/NDF: 5970554.7/84

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 270.696+/-270.911 χ^2/NDF: 13.1/16

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 320.791+/-273.450 χ^2/NDF: 18.5/19

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

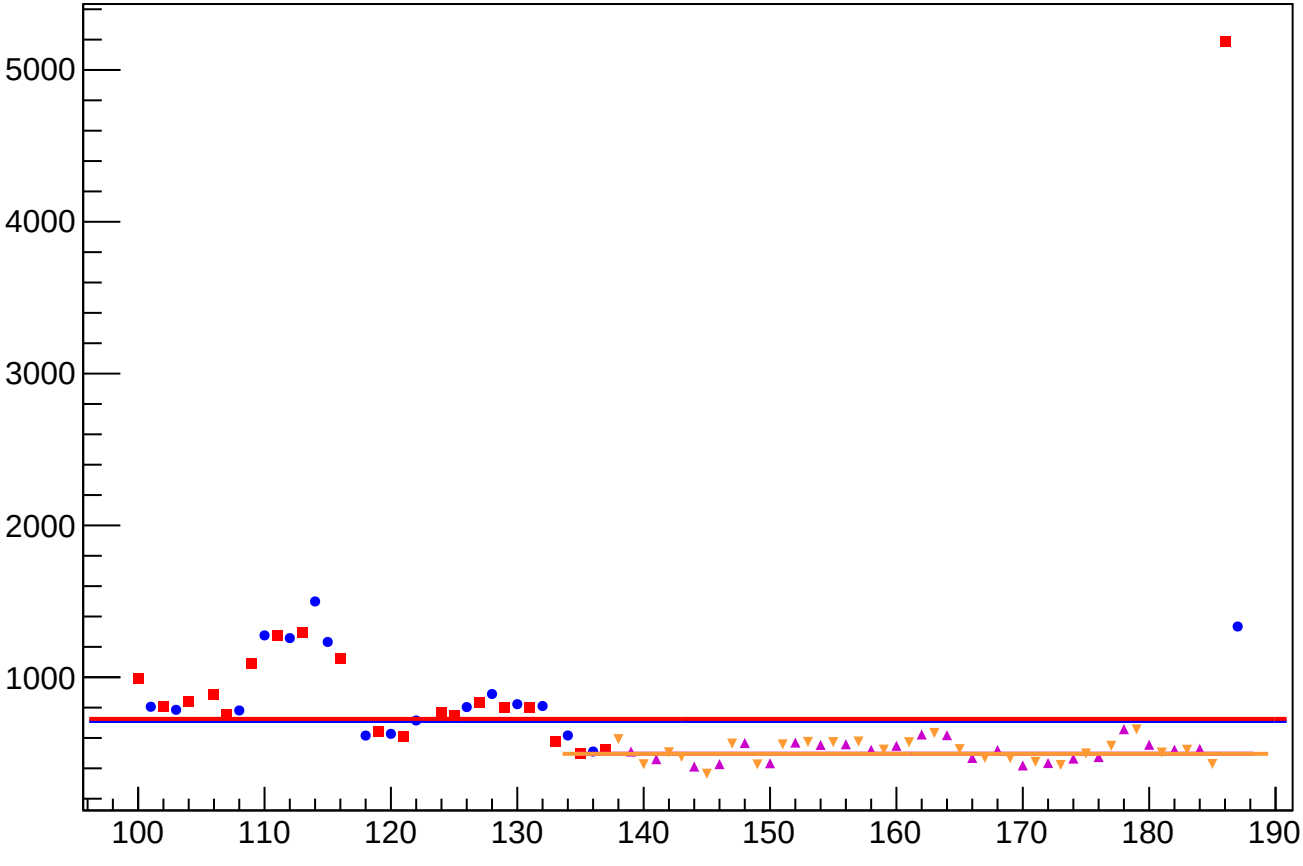
Right: 295.510+/-192.454 χ^2/NDF: 31.7/36

In: 100.067+/-107.694 χ^2/NDF:42.2/39

Out: -343.871+/-105.405 χ^2/NDF:56.3/44

All: -126.670+/-75.329 χ^2/NDF: 107.2/84

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 711.965+/-0.192 χ^2/NDF: 977327.9/16

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 725.732+/-0.193 χ^2/NDF: 1606459.8/19

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

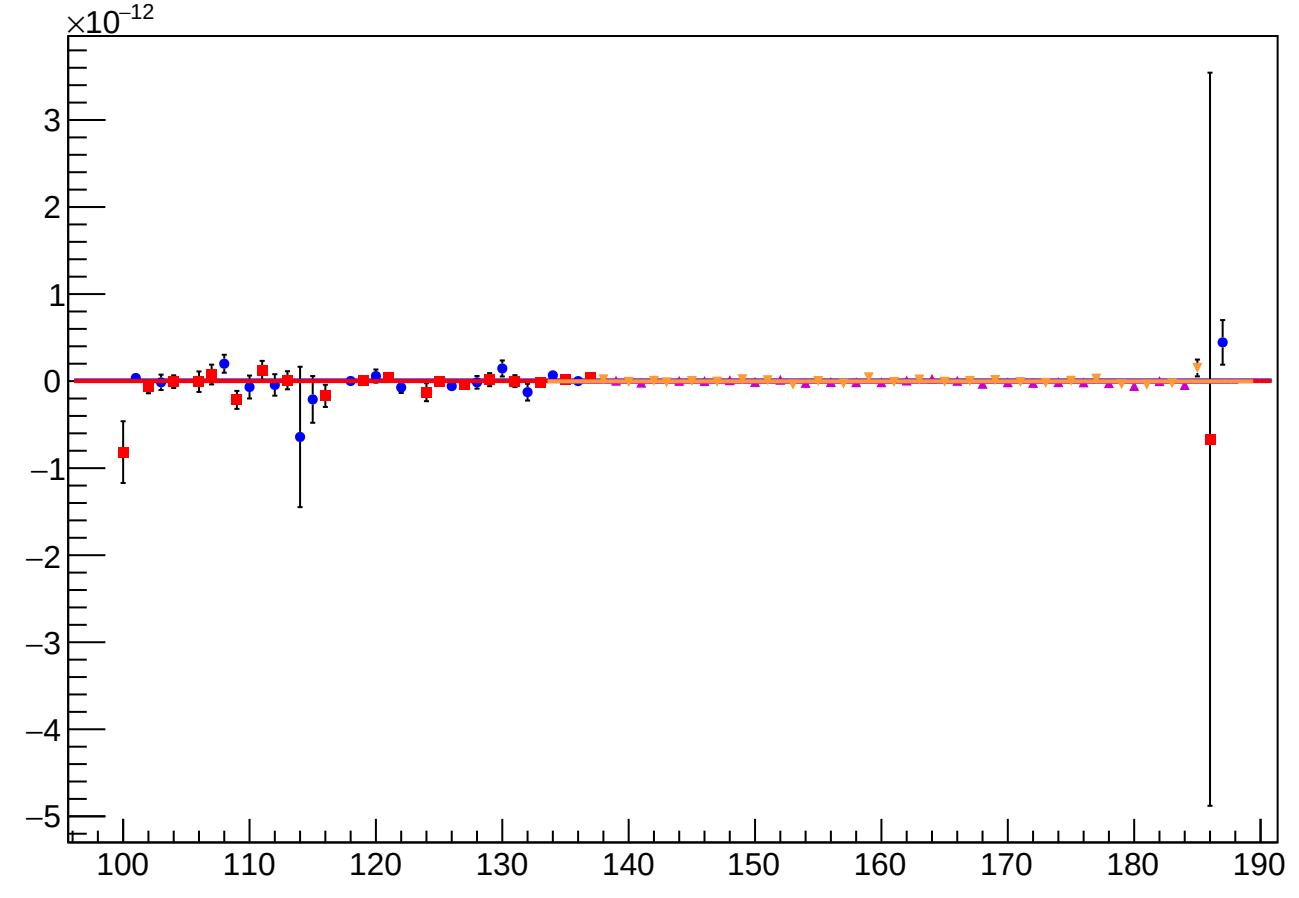
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 718.784+/-0.136 χ^2/NDF: 2586345.8/36

In: 530.387+/-0.076 χ^2/NDF:2666787.1/39

Out: 529.721+/-0.075 χ^2/NDF:3618086.1/44

All: 530.047+/-0.053 χ^2/NDF: 6284912.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/19

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

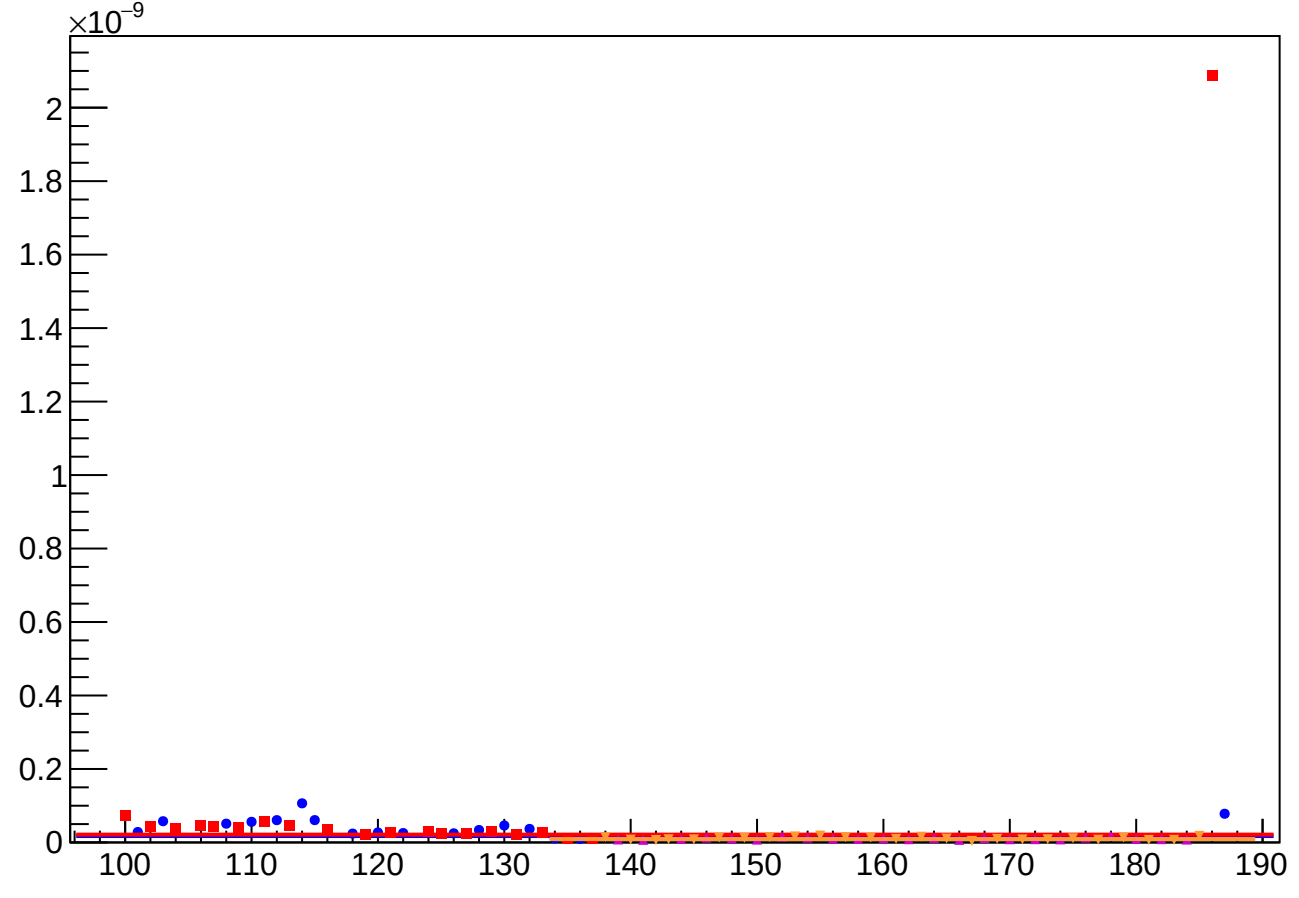
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: 0.000+/-0.000 χ^2/NDF: 38.3/36

In: -0.000+/-0.000 χ^2/NDF:37.6/39

Out: -0.000+/-0.000 χ^2/NDF:43.0/44

All: -0.000+/-0.000 χ^2/NDF: 81.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 2481226.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2152575.8/19

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

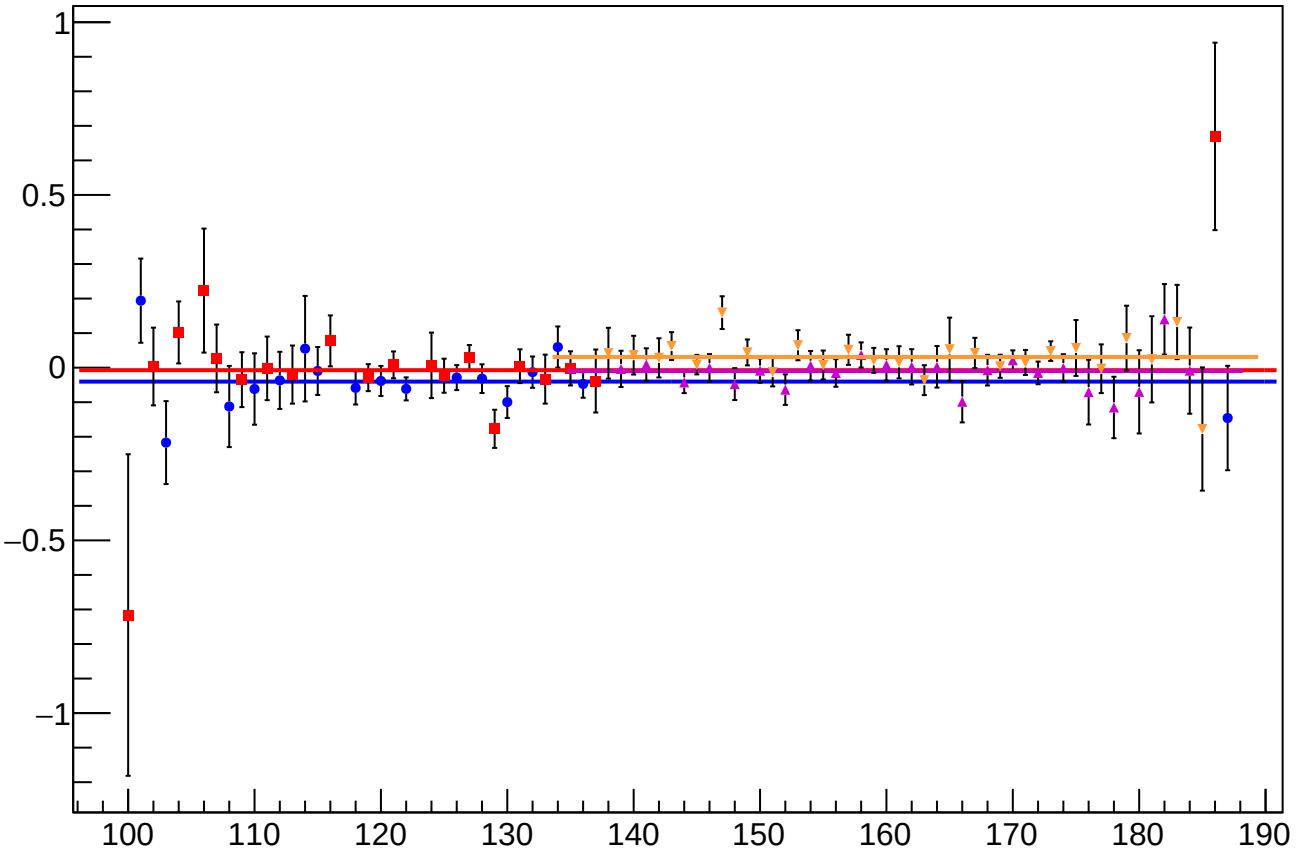
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4728287.1/36

In: 0.000+/-0.000 χ^2/NDF:3909097.8/39

Out: 0.000+/-0.000 χ^2/NDF:5495752.1/44

All: 0.000+/-0.000 χ^2/NDF: 9424841.8/84



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 24.5/19

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

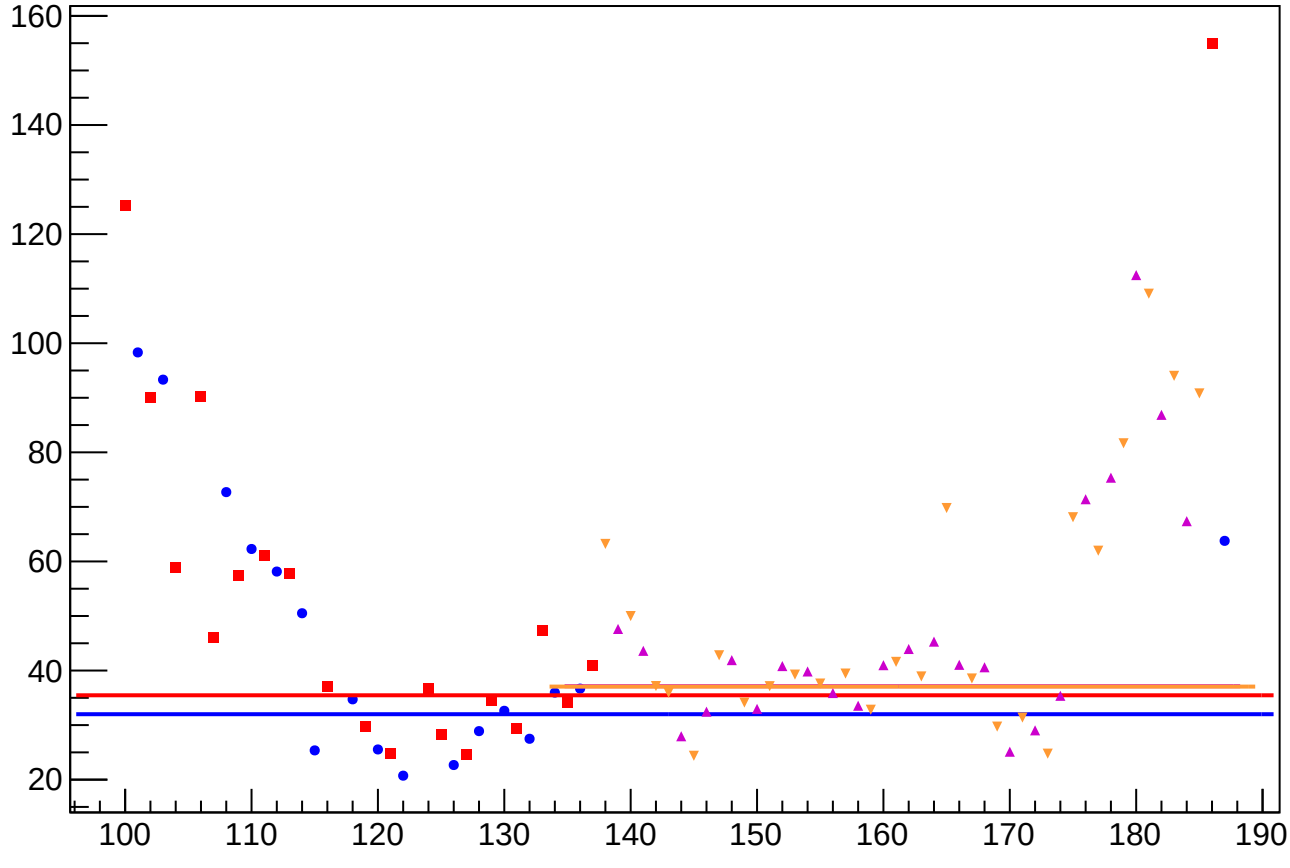
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.025+/-0.010 χ^2/NDF: 40.4/36

In: -0.020+/-0.008 χ^2/NDF:29.8/39

Out: 0.020+/-0.008 χ^2/NDF:47.5/44

All: -0.000+/-0.005 χ^2/NDF: 90.7/84



Right In: 31.996+/-0.009 χ^2/NDF: 2341492.1/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 35.465+/-0.010 χ^2/NDF: 2233248.9/19

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

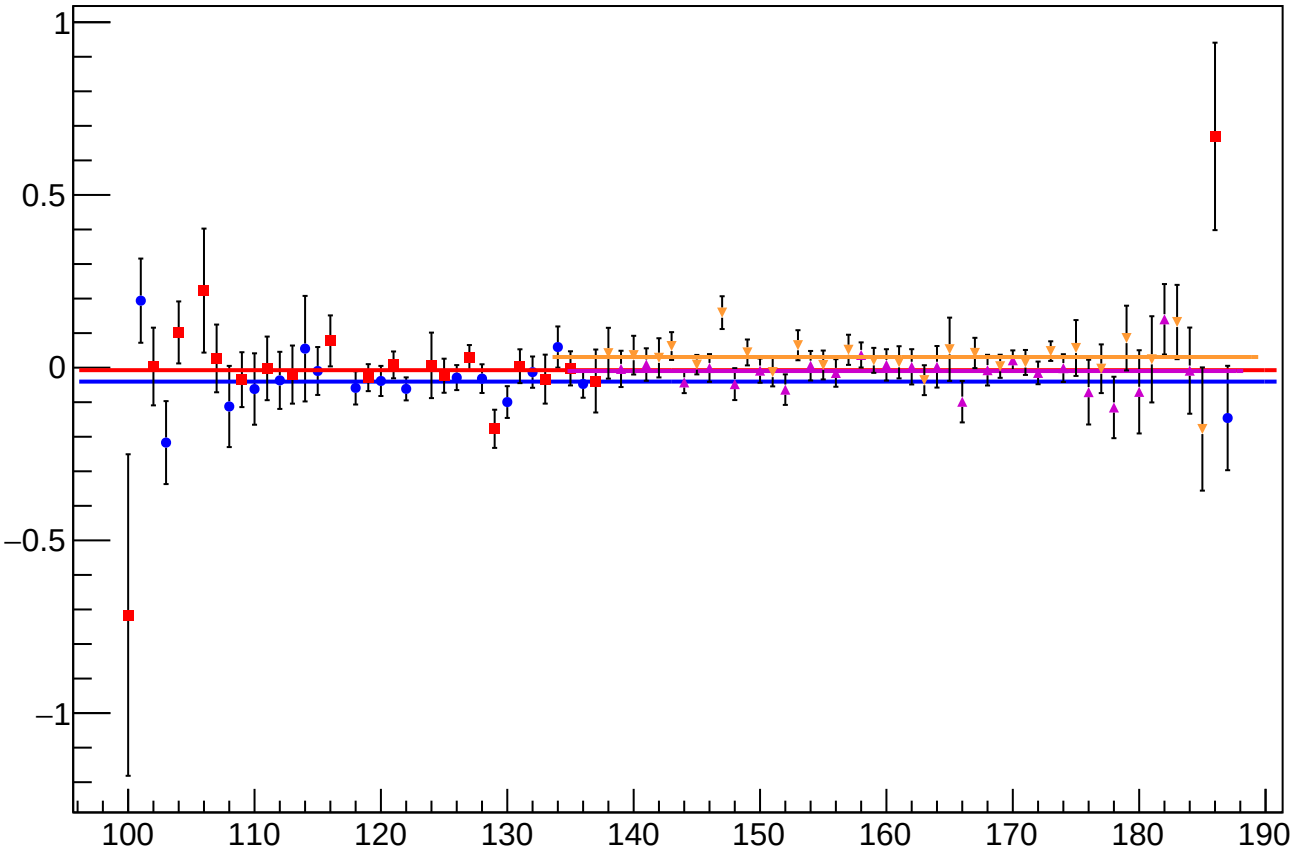
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 33.599+/-0.007 χ^2/NDF: 4639410.9/36

In: 35.391+/-0.005 χ^2/NDF:5556863.6/39

Out: 36.589+/-0.005 χ^2/NDF:6304857.4/44

All: 35.987+/-0.004 χ^2/NDF: 11886273.9/84



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 24.5/19

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

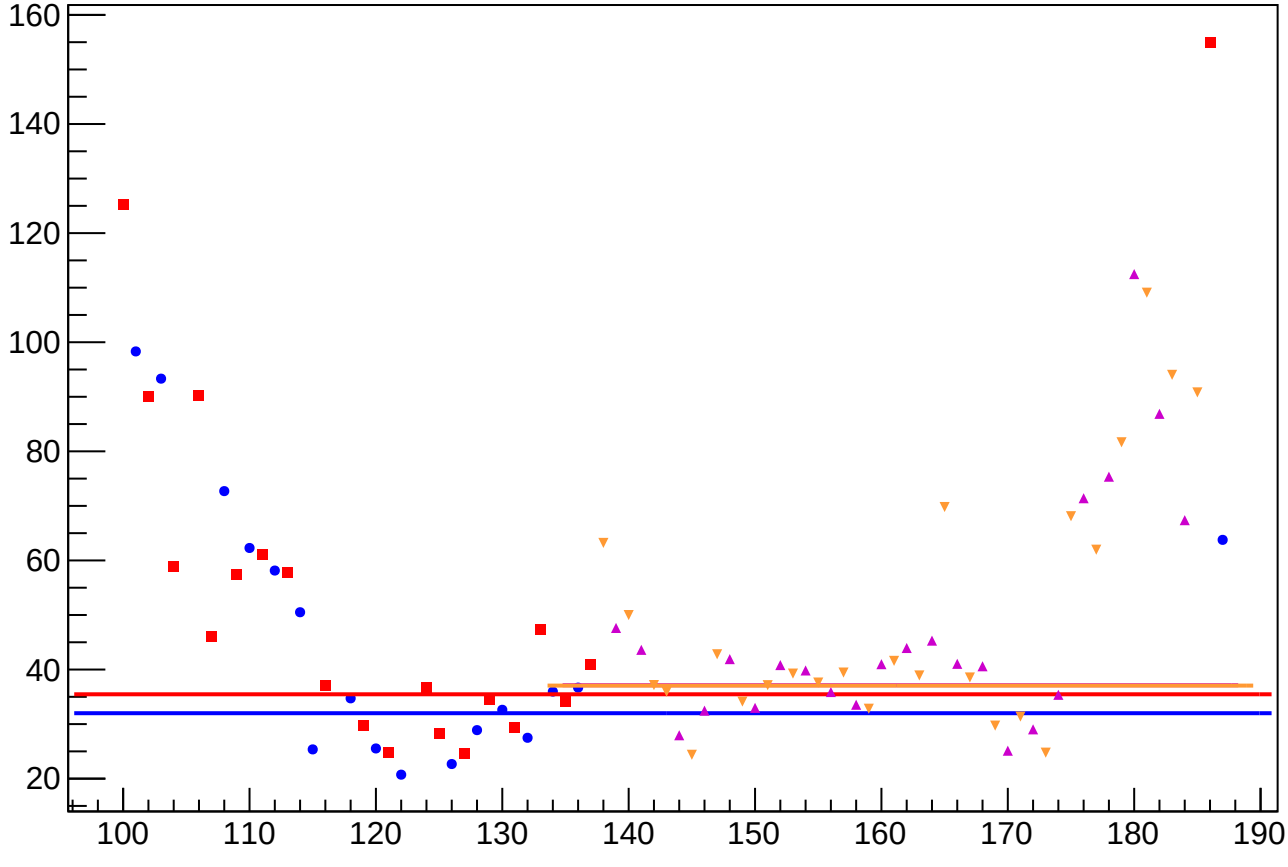
Right: -0.025+/-0.010 χ^2/NDF: 40.4/36

In: -0.020+/-0.008 χ^2/NDF:29.8/39

Out: 0.020+/-0.008 χ^2/NDF:47.5/44

All: -0.000+/-0.005 χ^2/NDF: 90.7/84

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.996+/-0.009 χ^2/NDF: 2341492.1/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 35.465+/-0.010 χ^2/NDF: 2233248.9/19

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

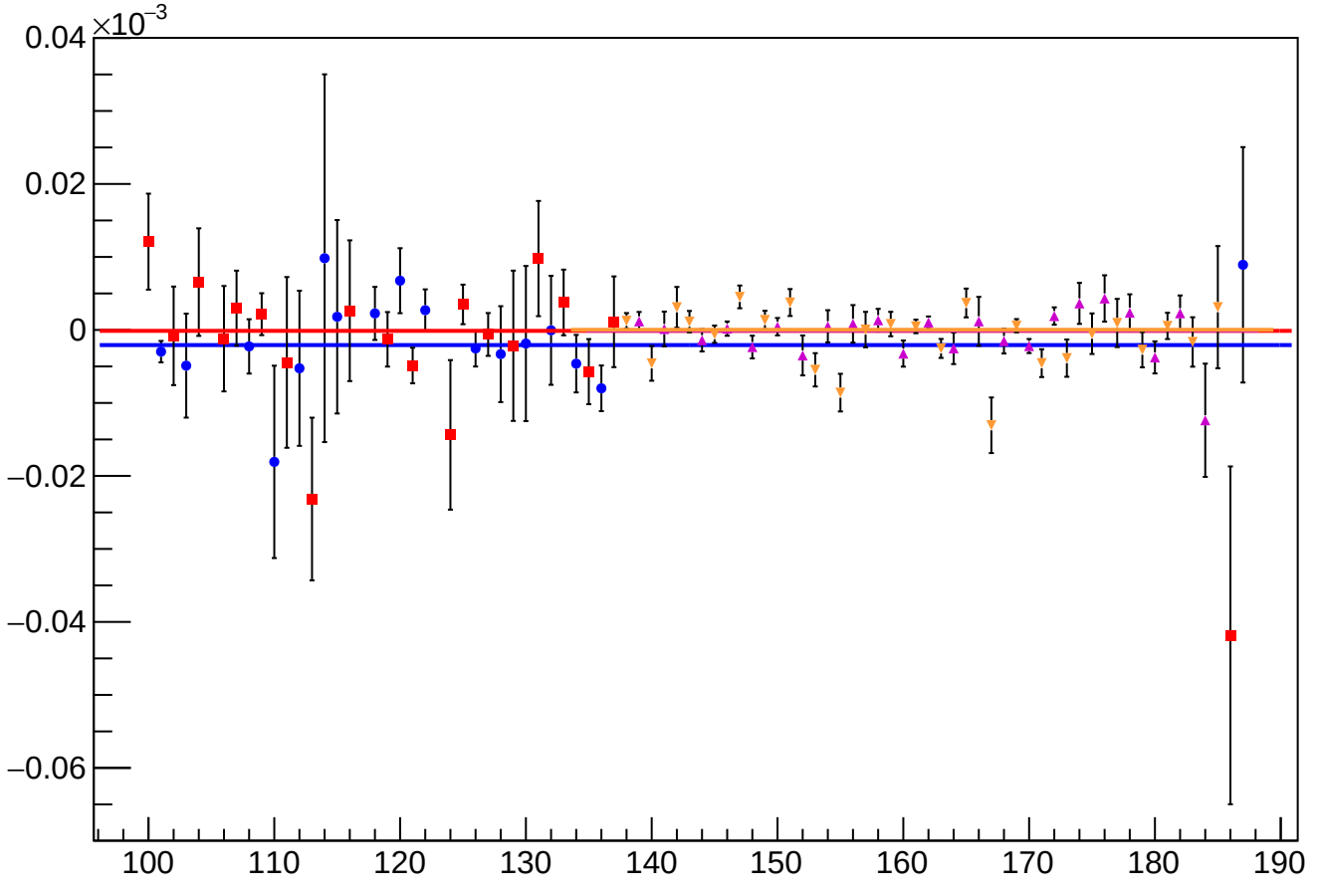
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 33.599+/-0.007 χ^2/NDF: 4639410.9/36

In: 35.391+/-0.005 χ^2/NDF:5556863.6/39

Out: 36.589+/-0.005 χ^2/NDF:6304857.4/44

All: 35.987+/-0.004 χ^2/NDF: 11886273.9/84



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/19

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

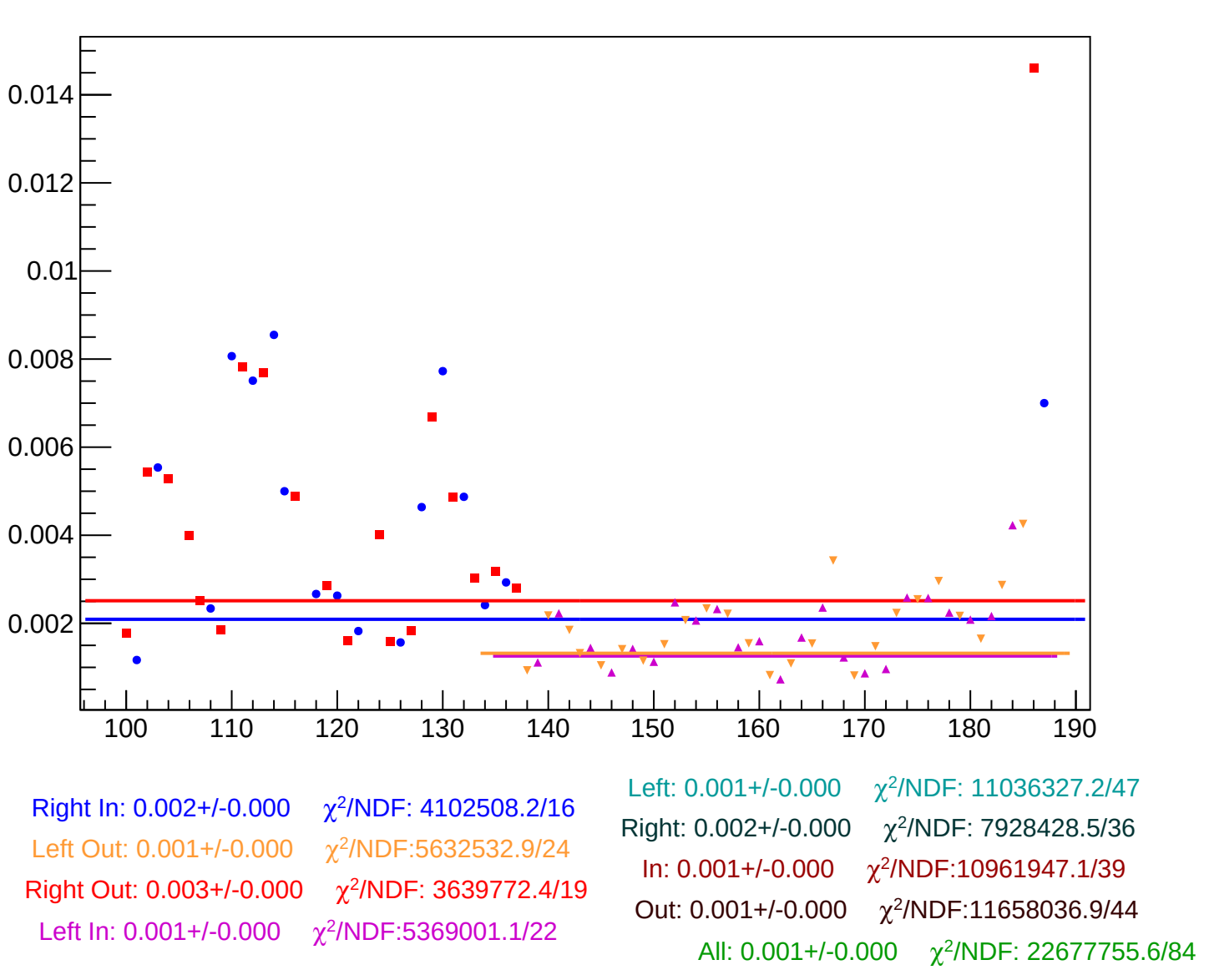
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

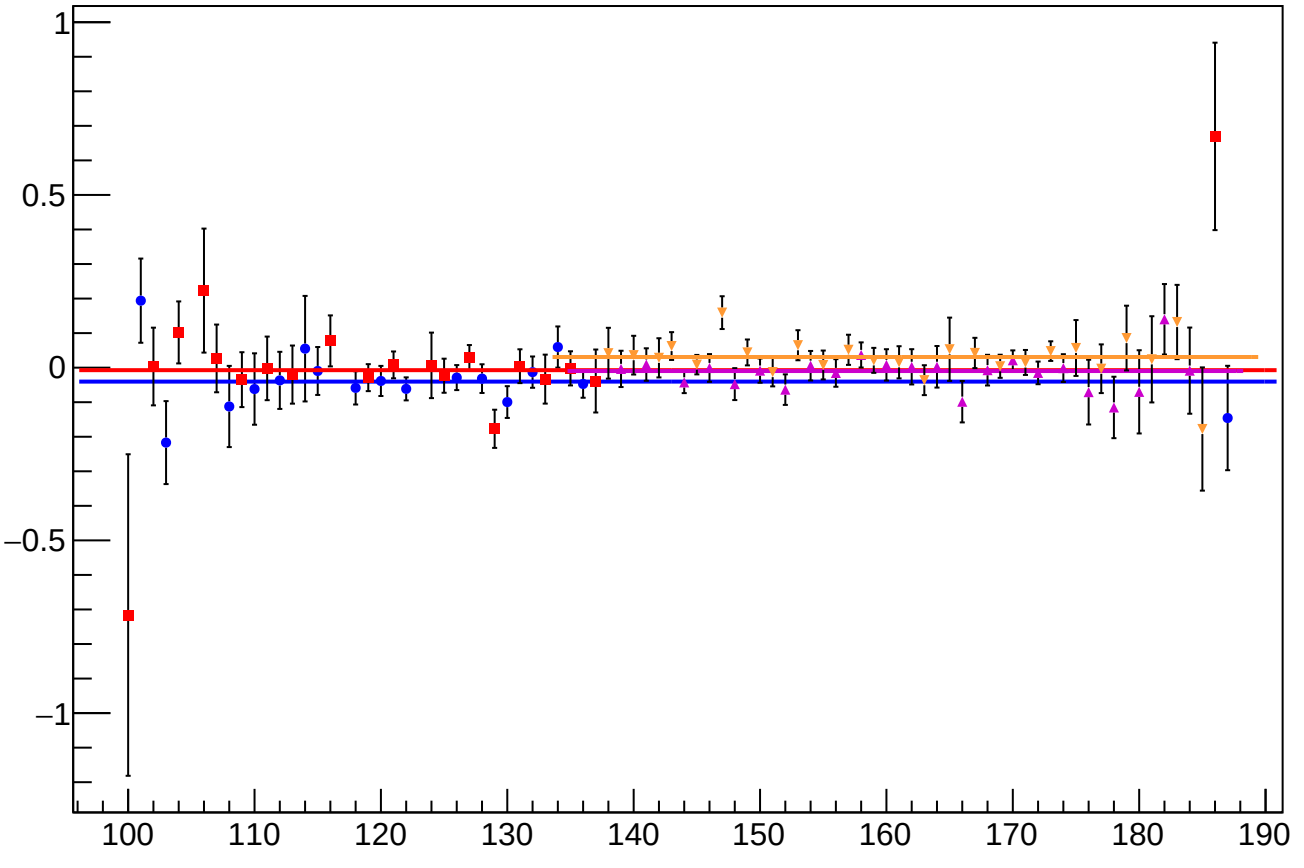
Right: -0.000+/-0.000 χ^2/NDF: 41.8/36

In: -0.000+/-0.000 χ^2/NDF:51.6/39

Out: 0.000+/-0.000 χ^2/NDF:92.3/44

All: -0.000+/-0.000 χ^2/NDF: 144.4/84


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 4102508.2/16
Left Out: 0.001+/-0.000 χ²/NDF:5632532.9/24
Right Out: 0.003+/-0.000 χ²/NDF: 3639772.4/19
Left In: 0.001+/-0.000 χ²/NDF:5369001.1/22
Left: 0.001+/-0.000 χ²/NDF: 11036327.2/47
Right: 0.002+/-0.000 χ²/NDF: 7928428.5/36
In: 0.001+/-0.000 χ²/NDF:10961947.1/39
Out: 0.001+/-0.000 χ²/NDF:11658036.9/44
All: 0.001+/-0.000 χ²/NDF: 22677755.6/84



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 24.5/19

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

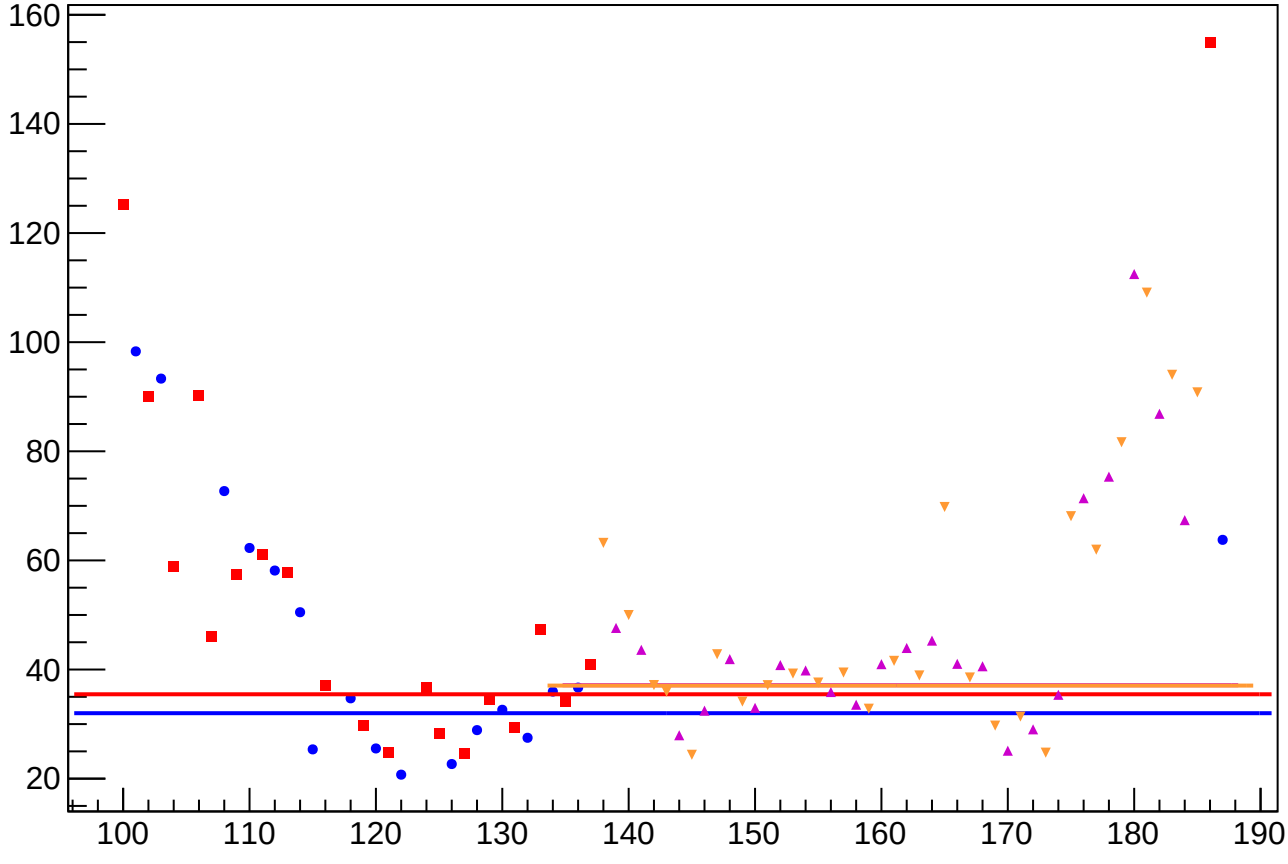
Right: -0.025+/-0.010 χ^2/NDF: 40.4/36

In: -0.020+/-0.008 χ^2/NDF:29.8/39

Out: 0.020+/-0.008 χ^2/NDF:47.5/44

All: -0.000+/-0.005 χ^2/NDF: 90.7/84

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.997+/-0.009 χ^2/NDF: 2341458.5/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 35.466+/-0.010 χ^2/NDF: 2233106.3/19

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

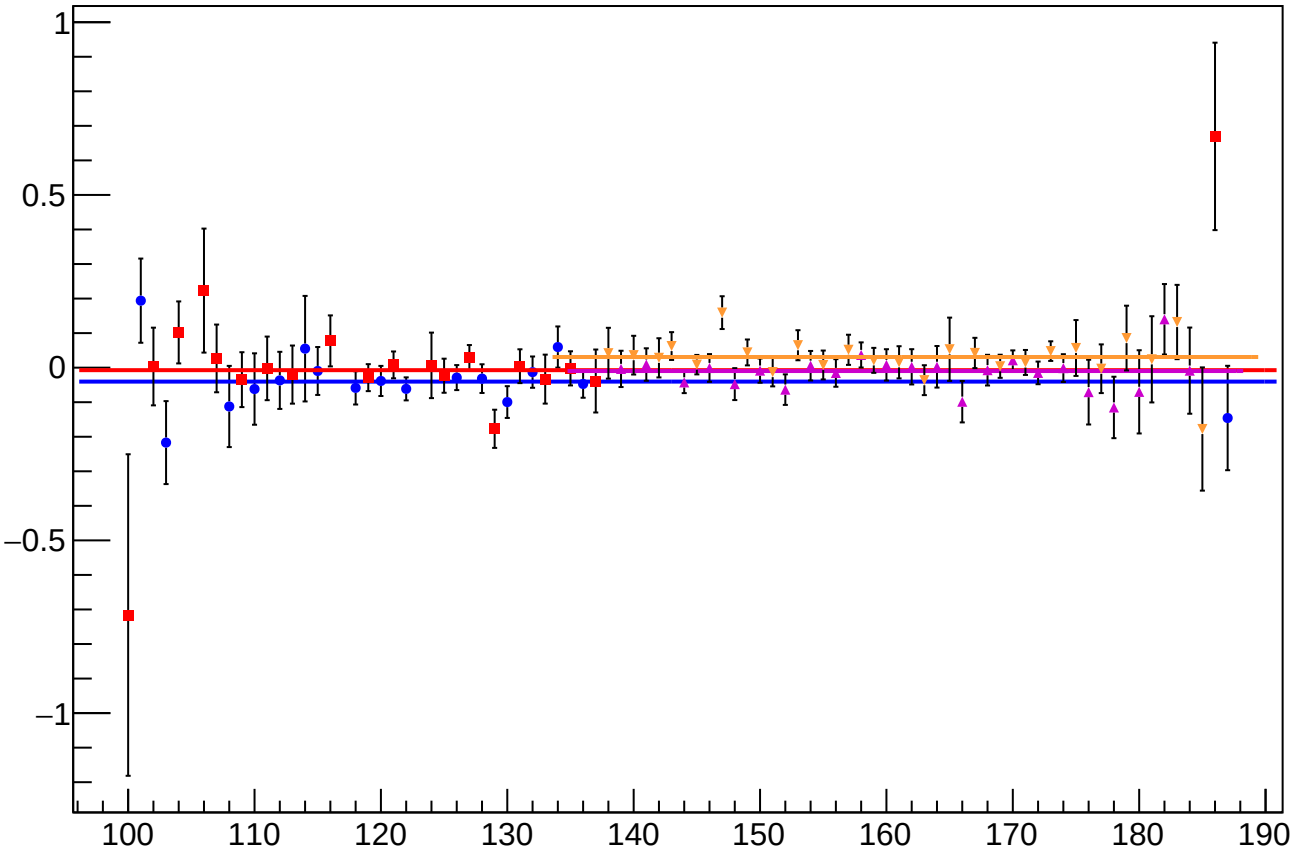
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 33.600+/-0.007 χ^2/NDF: 4639238.3/36

In: 35.391+/-0.005 χ^2/NDF:5556767.5/39

Out: 36.590+/-0.005 χ^2/NDF:6304712.3/44

All: 35.987+/-0.004 χ^2/NDF: 11886033.3/84



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 24.5/19

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

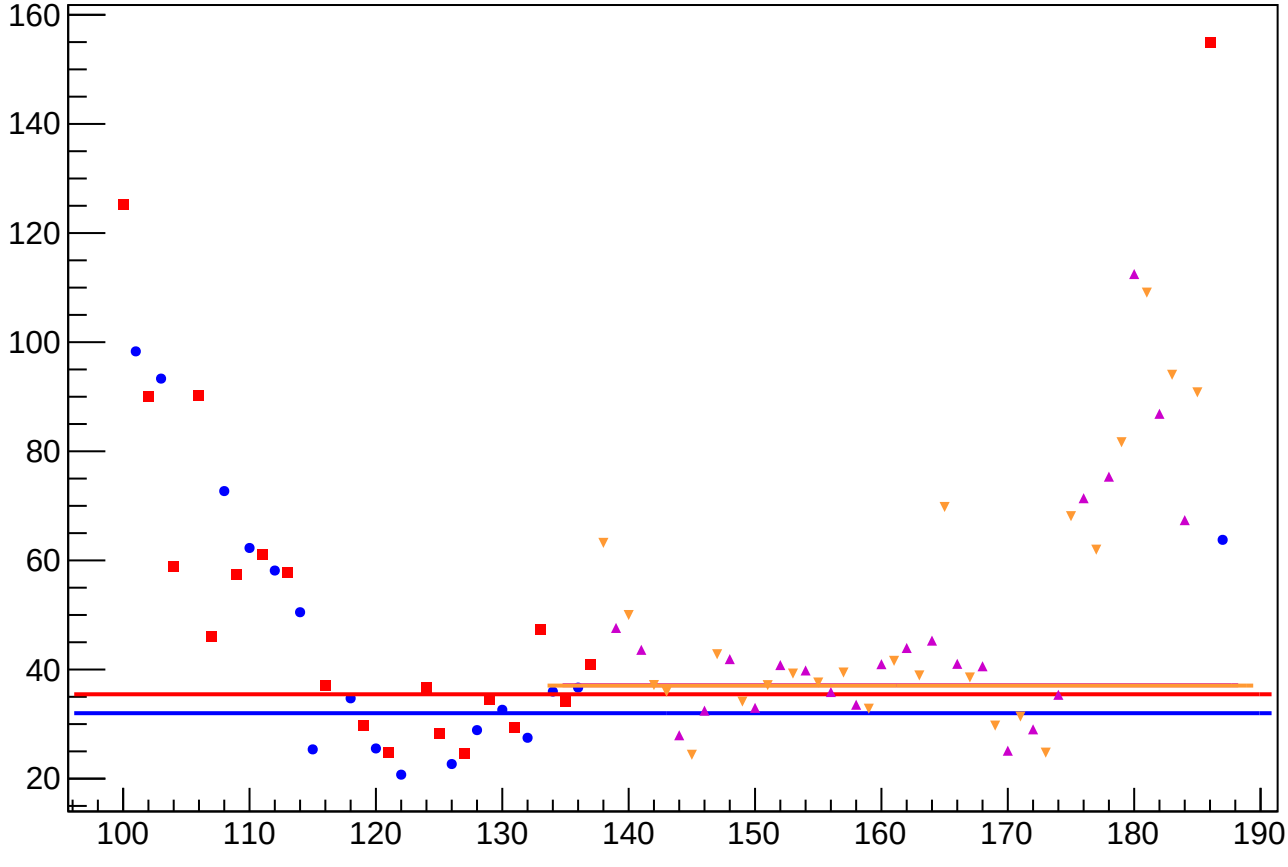
Right: -0.025+/-0.010 χ^2/NDF: 40.4/36

In: -0.020+/-0.008 χ^2/NDF:29.8/39

Out: 0.020+/-0.008 χ^2/NDF:47.5/44

All: -0.000+/-0.005 χ^2/NDF: 90.7/84

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.997+/-0.009 χ^2/NDF: 2341458.5/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 35.466+/-0.010 χ^2/NDF: 2233106.3/19

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

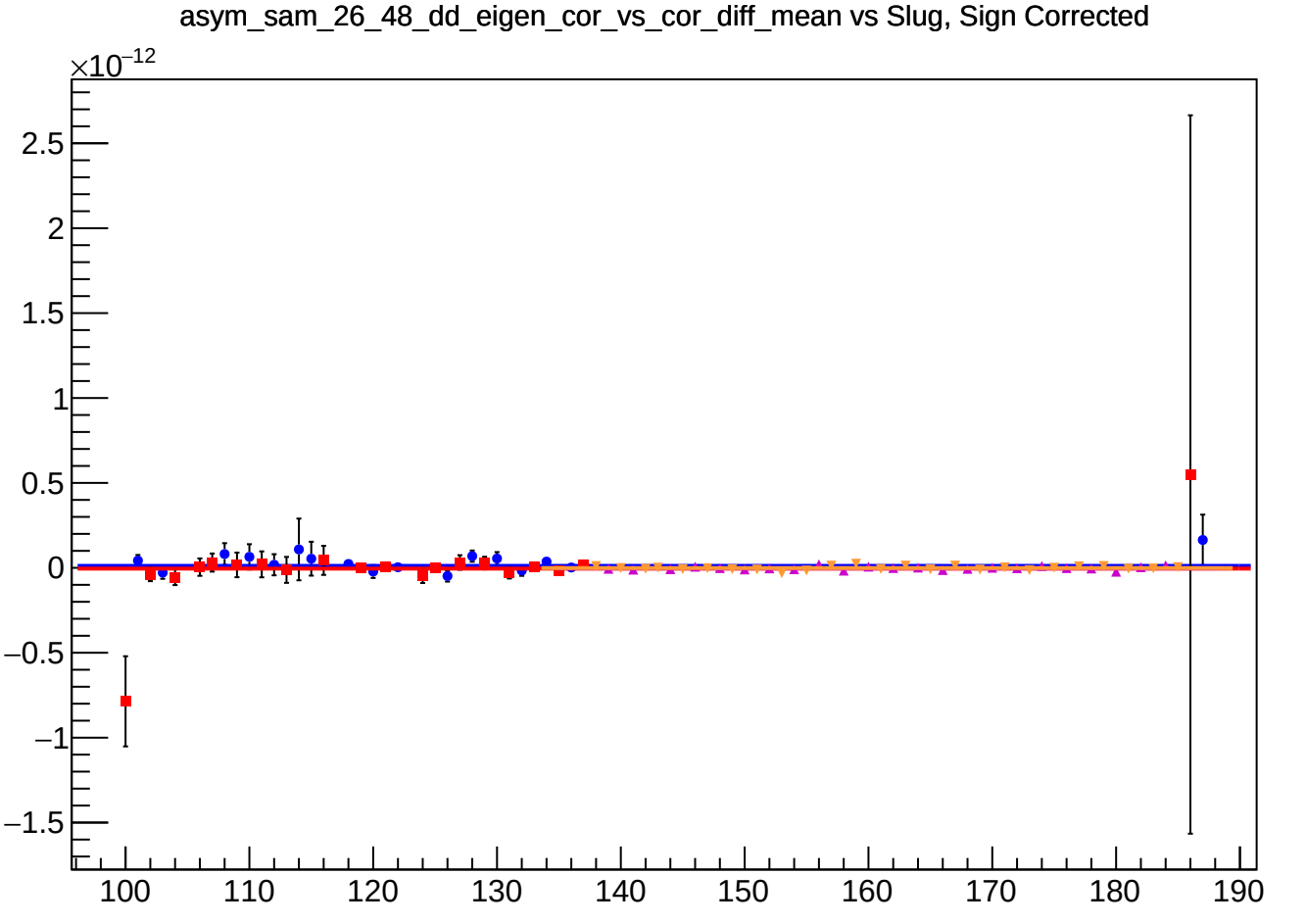
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

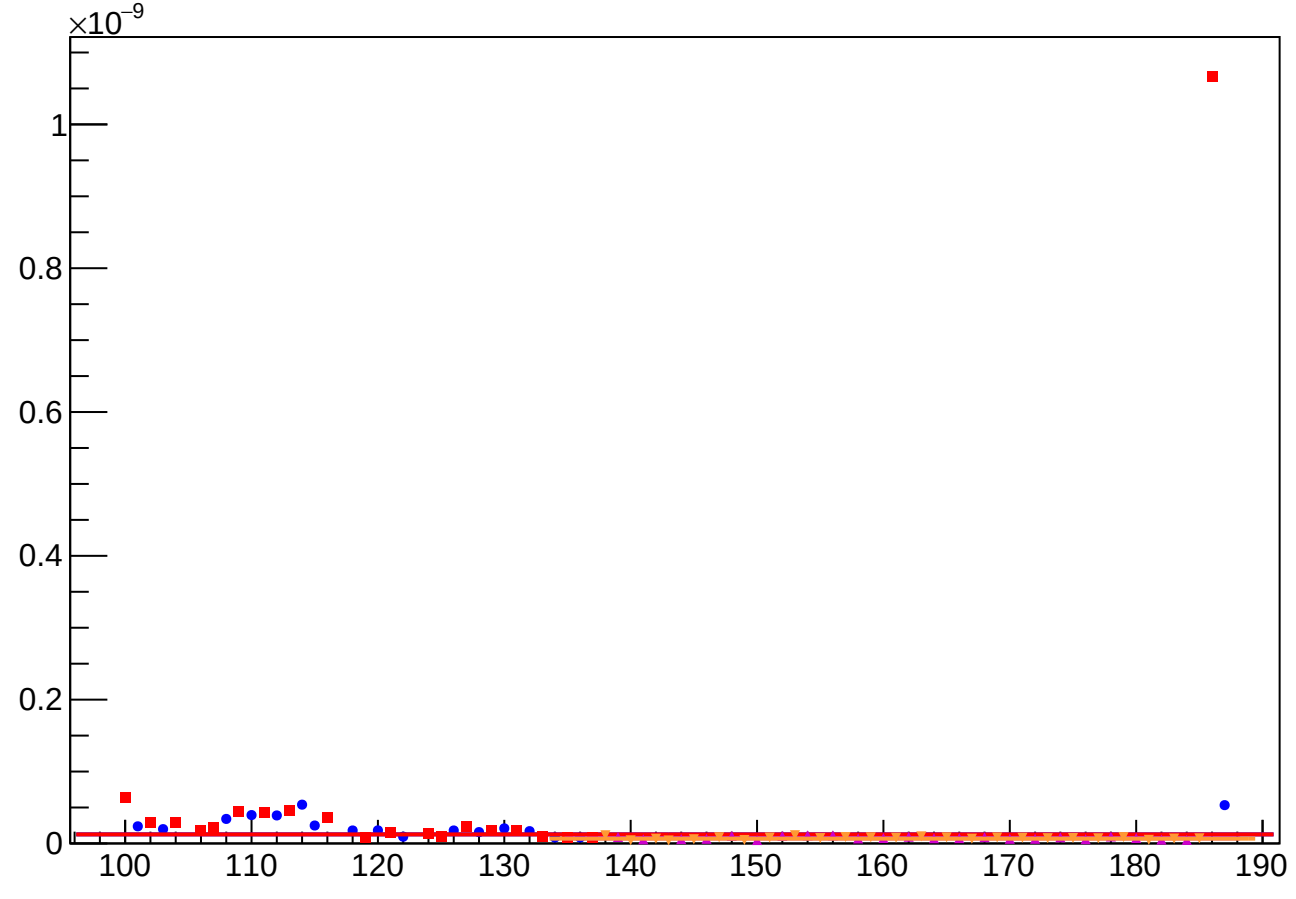
Right: 33.600+/-0.007 χ^2/NDF: 4639238.3/36

In: 35.391+/-0.005 χ^2/NDF:5556767.5/39

Out: 36.590+/-0.005 χ^2/NDF:6304712.3/44

All: 35.987+/-0.004 χ^2/NDF: 11886033.3/84


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.9/16
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.5/19
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
Left: -0.000+/-0.000 χ²/NDF: 47.0/47
Right: 0.000+/-0.000 χ²/NDF: 38.5/36
In: -0.000+/-0.000 χ²/NDF:43.2/39
Out: -0.000+/-0.000 χ²/NDF:43.7/44
All: -0.000+/-0.000 χ²/NDF: 86.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 2313535.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3244806.3/19

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

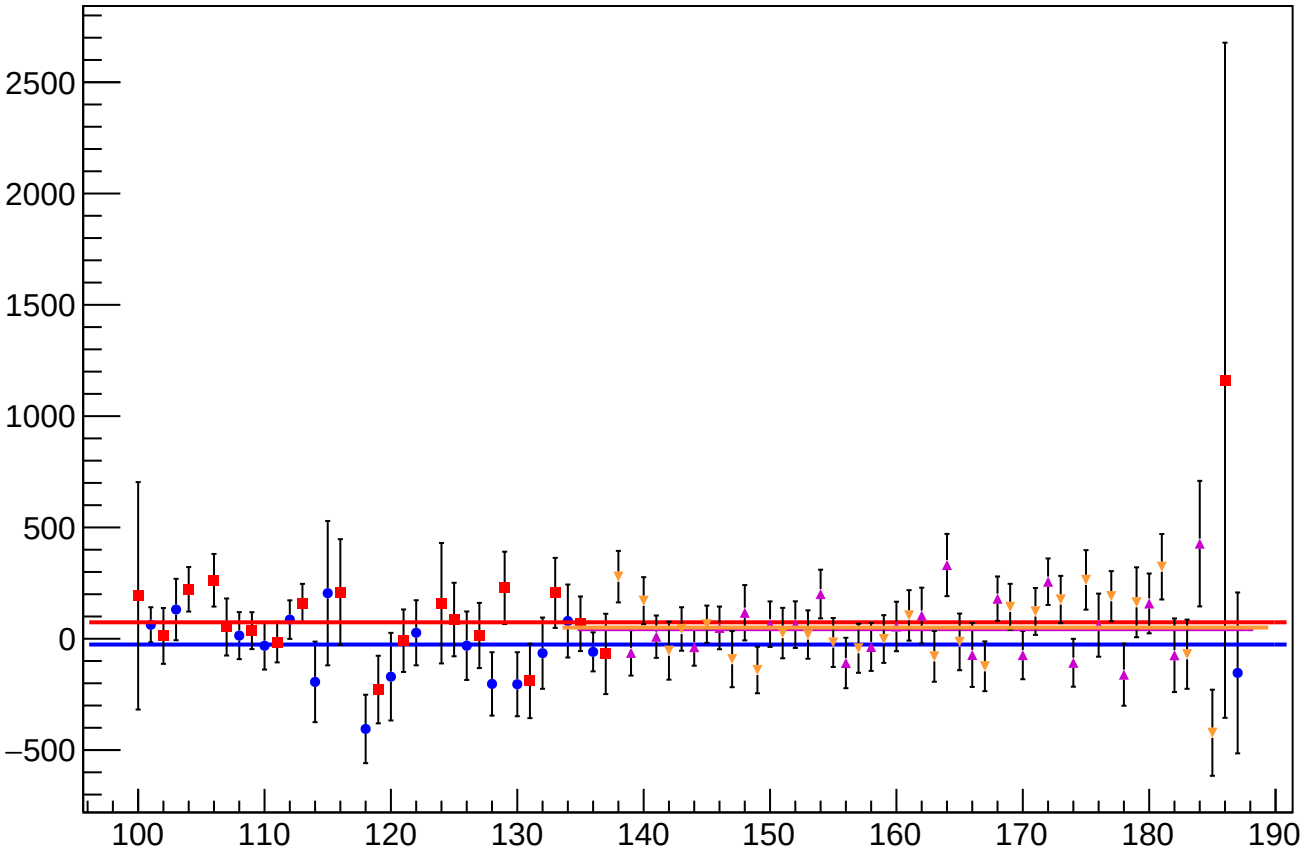
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 5558381.7/36

In: 0.000+/-0.000 χ^2/NDF:5093867.3/39

Out: 0.000+/-0.000 χ^2/NDF:6663066.3/44

All: 0.000+/-0.000 χ^2/NDF: 11818838.6/84



Right In: -26.024+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 73.881+/-29.929 χ^2/NDF: 17.3/19

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

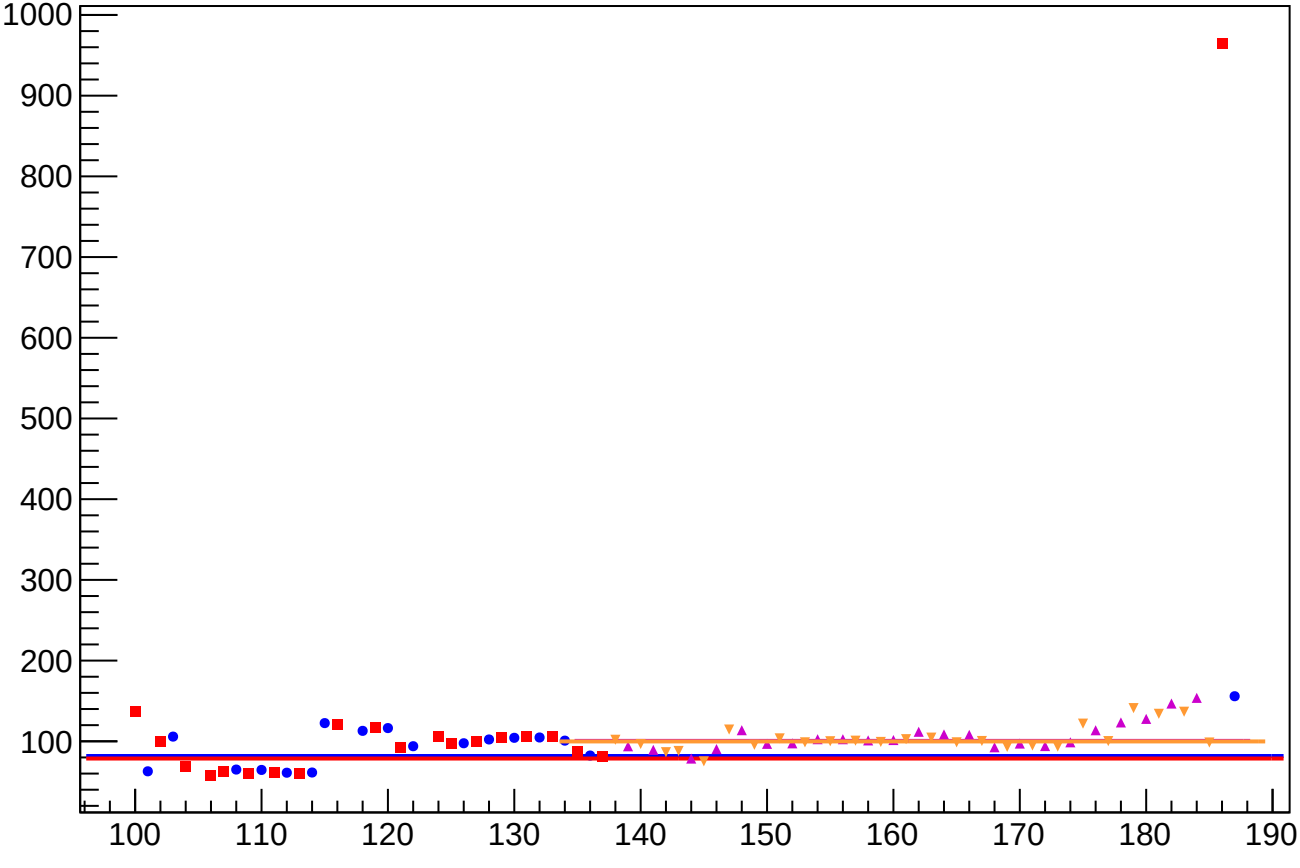
Right: 25.867+/-21.570 χ^2/NDF: 39.0/36

In: 17.593+/-18.883 χ^2/NDF:46.1/39

Out: 59.044+/-18.216 χ^2/NDF:51.2/44

All: 39.064+/-13.110 χ^2/NDF: 99.7/84

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.763+/-0.022 χ^2/NDF: 872344.9/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 78.643+/-0.021 χ^2/NDF: 1617531.1/19

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

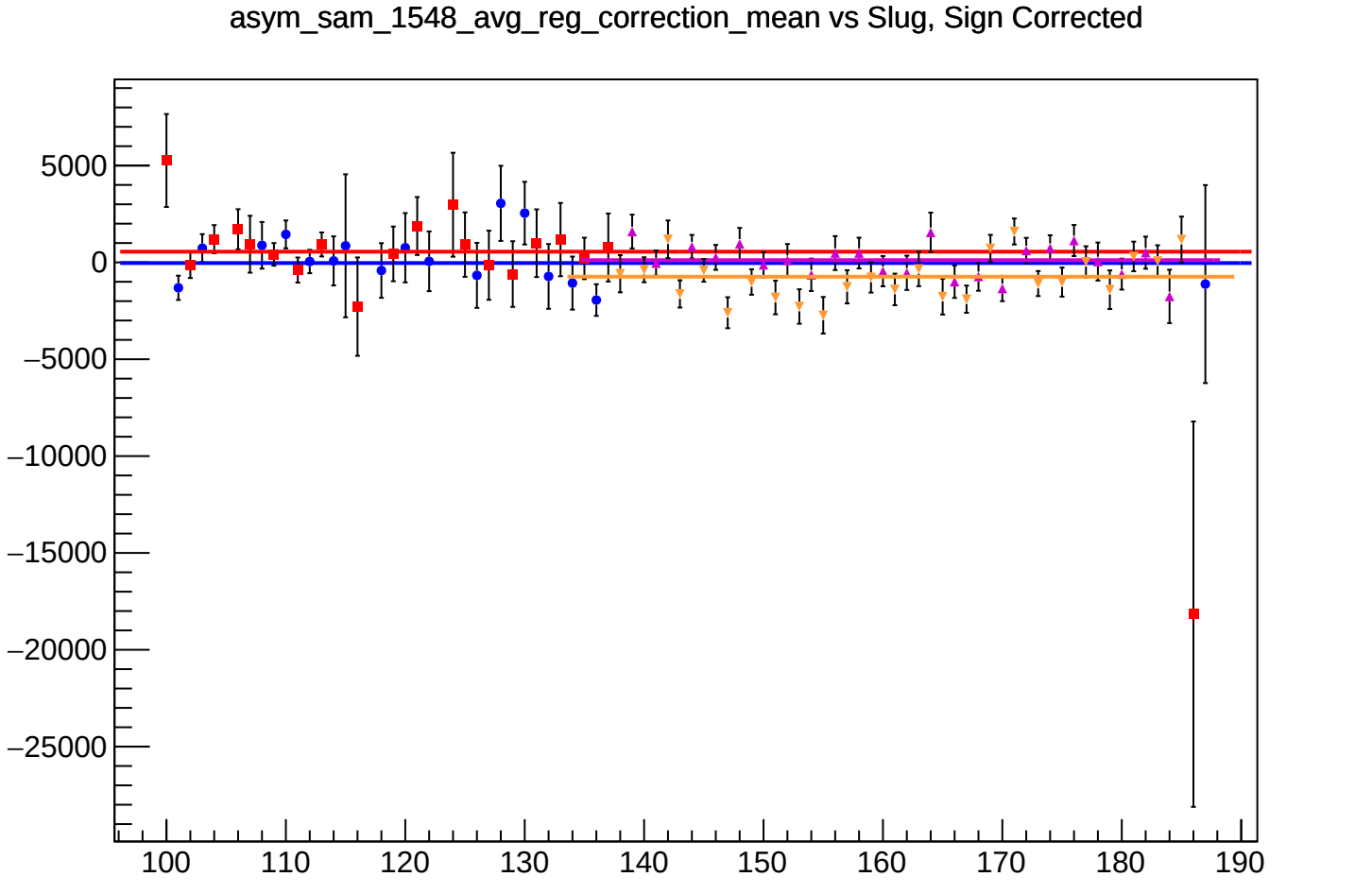
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 80.142+/-0.015 χ^2/NDF: 2500319.4/36

In: 93.597+/-0.013 χ^2/NDF:1987269.2/39

Out: 91.987+/-0.013 χ^2/NDF:2946817.1/44

All: 92.763+/-0.009 χ^2/NDF: 4941619.7/84



Right In: -33.153+/-256.675 χ^2/NDF: 21.9/16

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 554.134+/-238.423 χ^2/NDF: 16.8/19

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

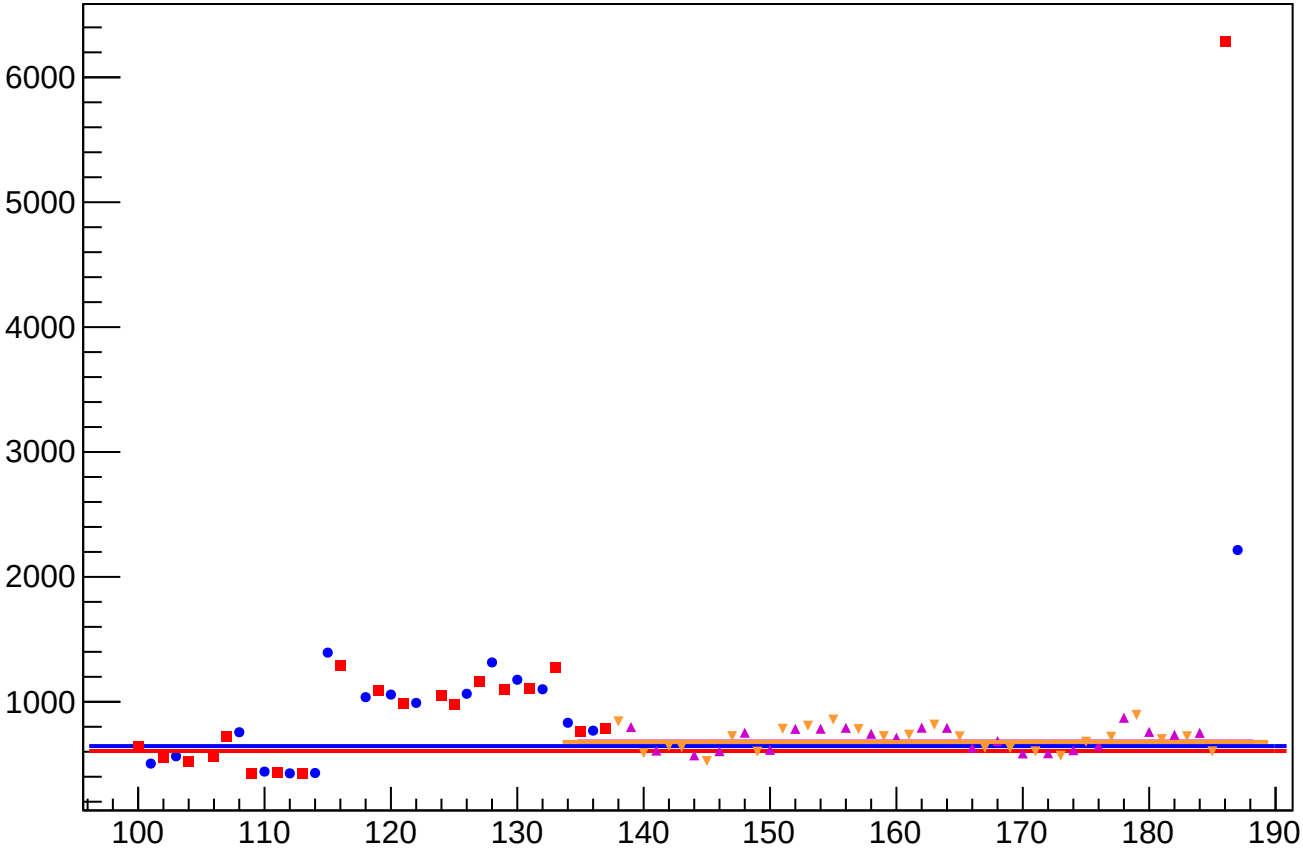
Right: 282.111+/-174.687 χ^2/NDF: 41.6/36

In: 73.631+/-136.383 χ^2/NDF:45.9/39

Out: -349.828+/-130.722 χ^2/NDF:87.1/44

All: -147.069+/-94.372 χ^2/NDF: 138.0/84

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 645.466+/-0.181 χ^2/NDF: 2064079.2/16

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 605.918+/-0.169 χ^2/NDF: 2722742.7/19

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

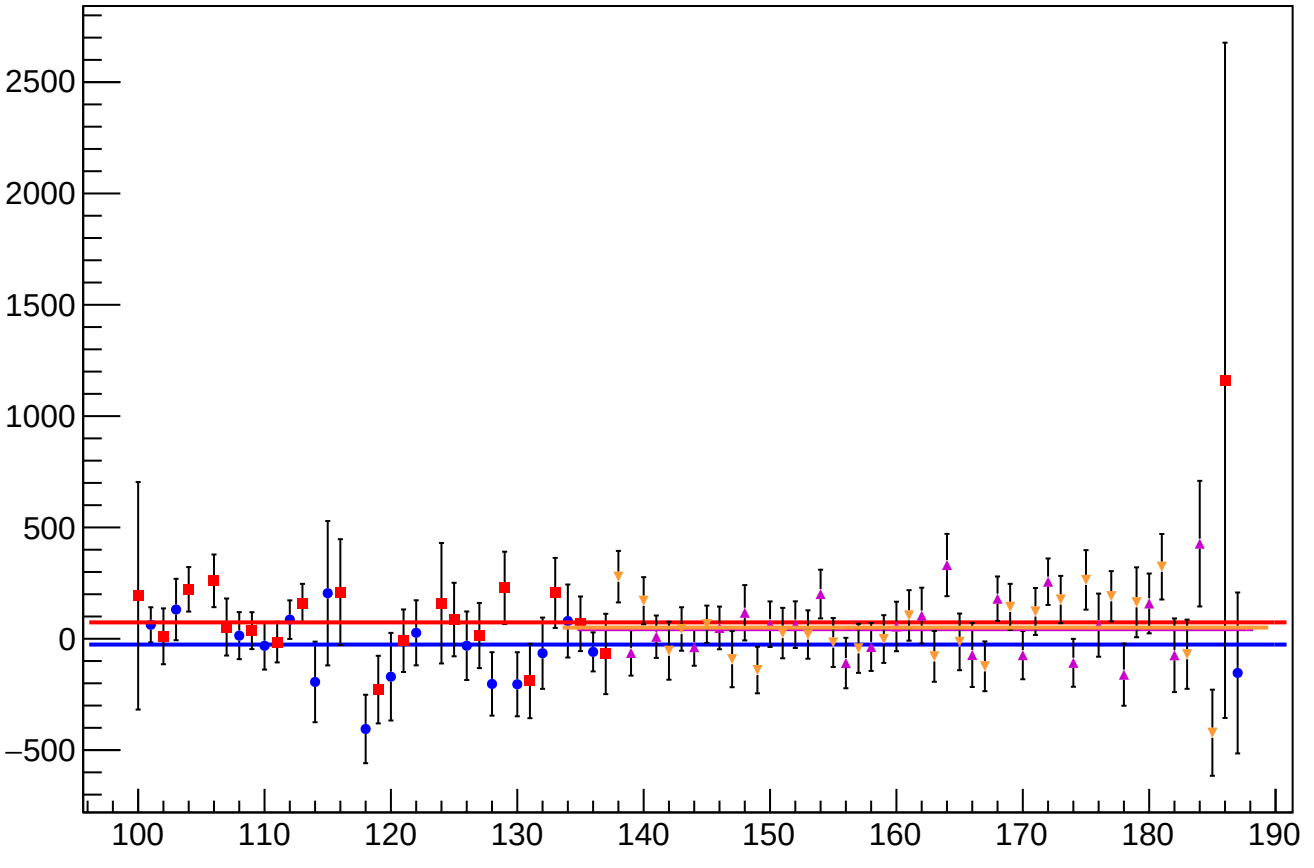
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 624.236+/-0.124 χ^2/NDF: 4812309.9/36

In: 671.609+/-0.096 χ^2/NDF:2666800.6/39

Out: 657.133+/-0.092 χ^2/NDF:3592112.1/44

All: 664.064+/-0.067 χ^2/NDF: 6270655.4/84



Right In: -26.028+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 73.616+/-29.931 χ^2/NDF: 17.2/19

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

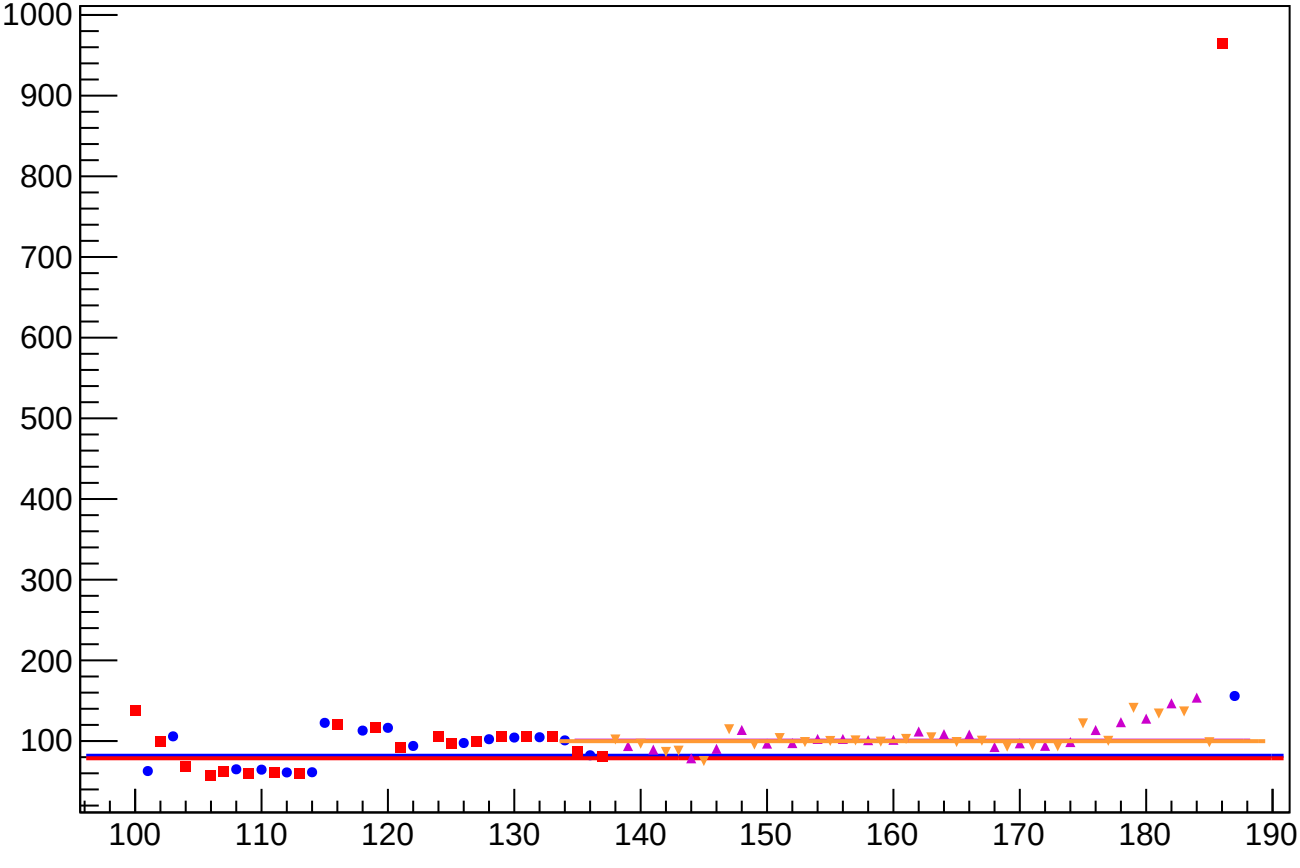
Right: 25.725+/-21.570 χ^2/NDF: 38.9/36

In: 17.593+/-18.883 χ^2/NDF:46.1/39

Out: 58.950+/-18.216 χ^2/NDF:51.1/44

All: 39.014+/-13.110 χ^2/NDF: 99.6/84

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.763+/-0.022 χ^2/NDF: 872347.2/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 78.625+/-0.021 χ^2/NDF: 1619698.1/19

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

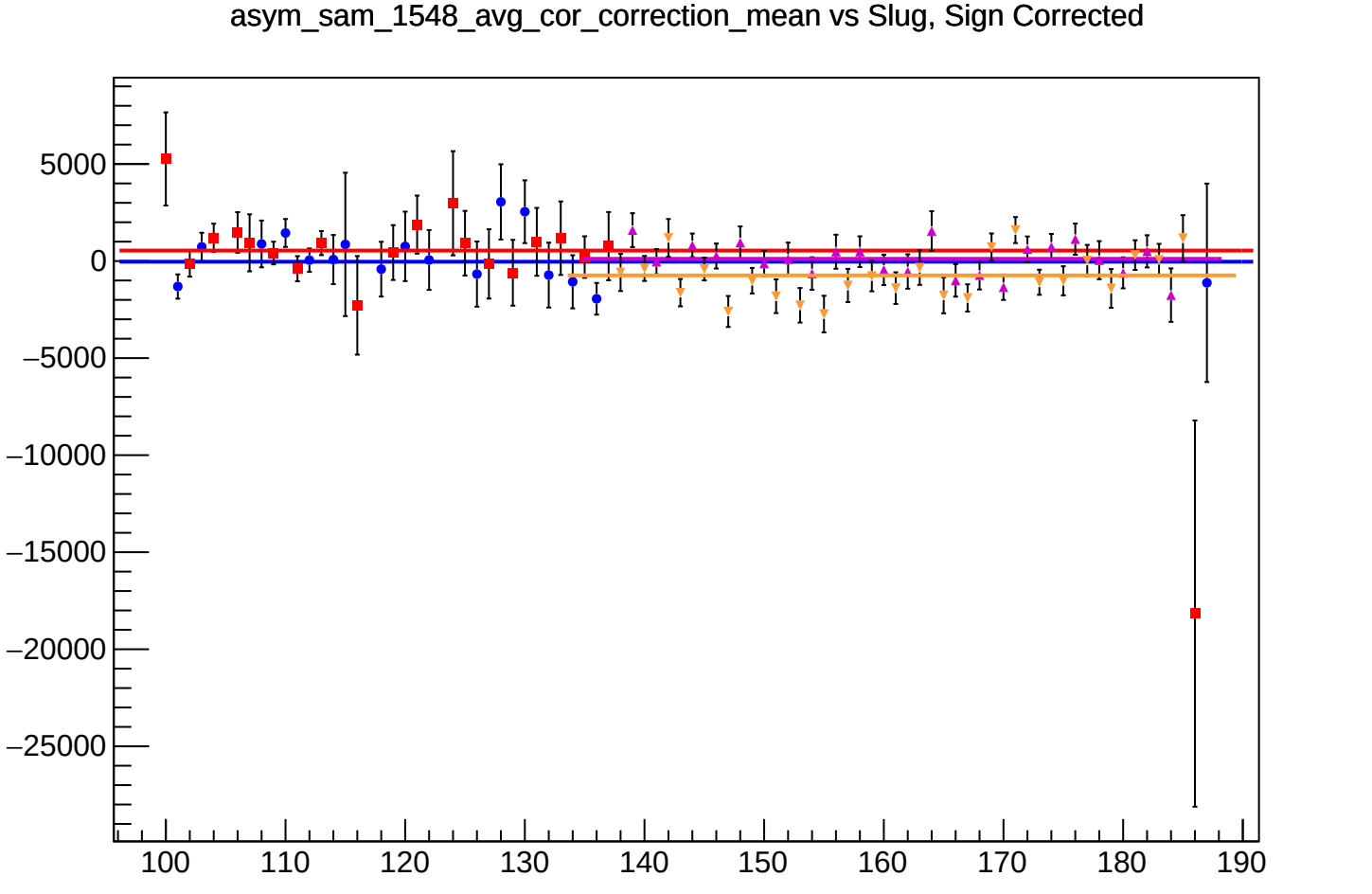
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 80.133+/-0.015 χ^2/NDF: 2502613.0/36

In: 93.597+/-0.013 χ^2/NDF:1987270.6/39

Out: 91.981+/-0.013 χ^2/NDF:2950043.9/44

All: 92.760+/-0.009 χ^2/NDF: 4944906.6/84



Right In: -33.180+/-256.678 χ^2/NDF: 21.9/16

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 541.186+/-238.571 χ^2/NDF: 16.4/19

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

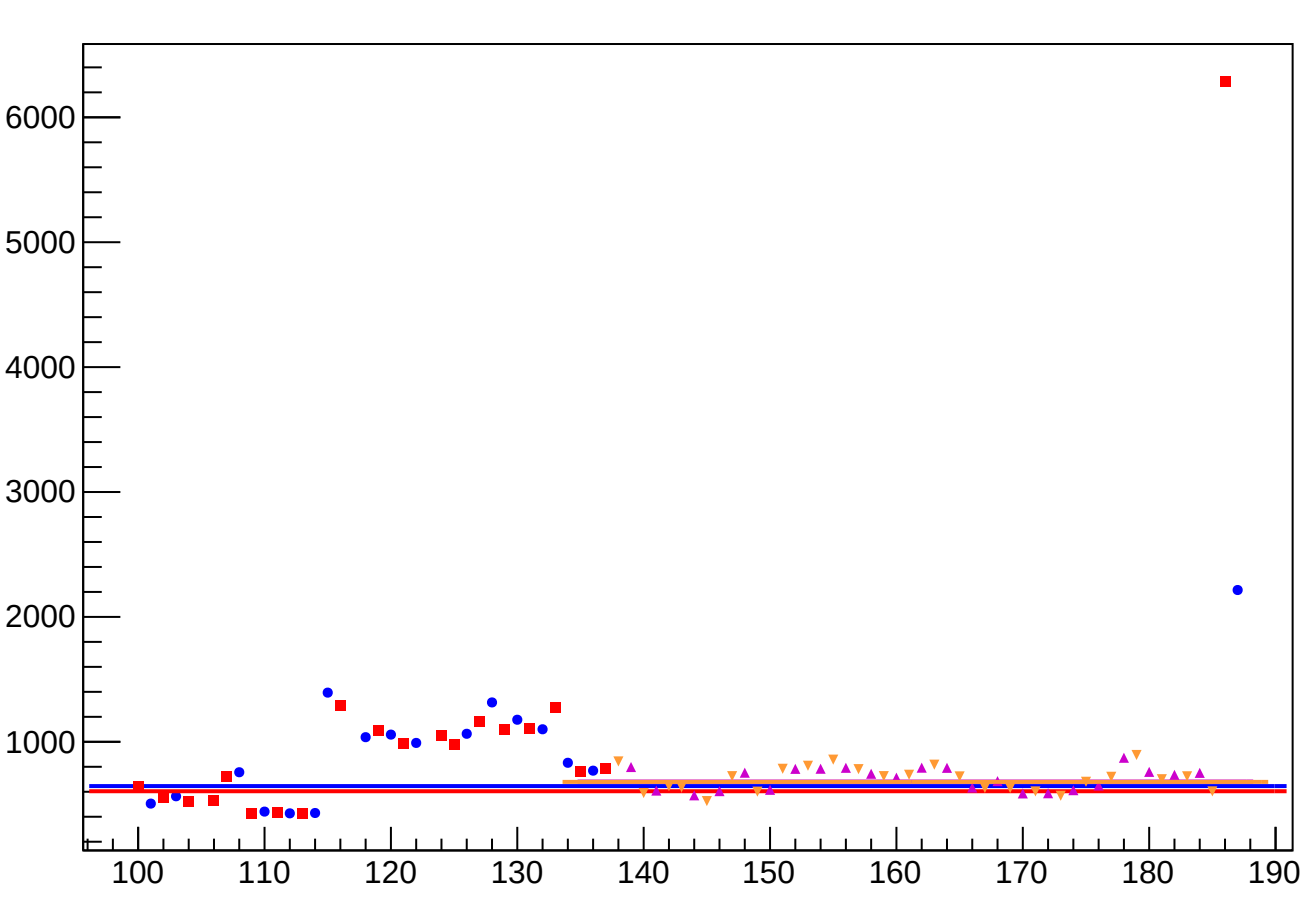
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 274.974+/-174.746 χ^2/NDF: 41.0/36

In: 73.624+/-136.384 χ^2/NDF:45.9/39

Out: -354.046+/-130.747 χ^2/NDF:86.1/44

All: -149.232+/-94.382 χ^2/NDF: 137.2/84



Right In: 645.475+/-0.181 χ^2/NDF: 2064036.0/16

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 604.245+/-0.169 χ^2/NDF: 2730052.2/19

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

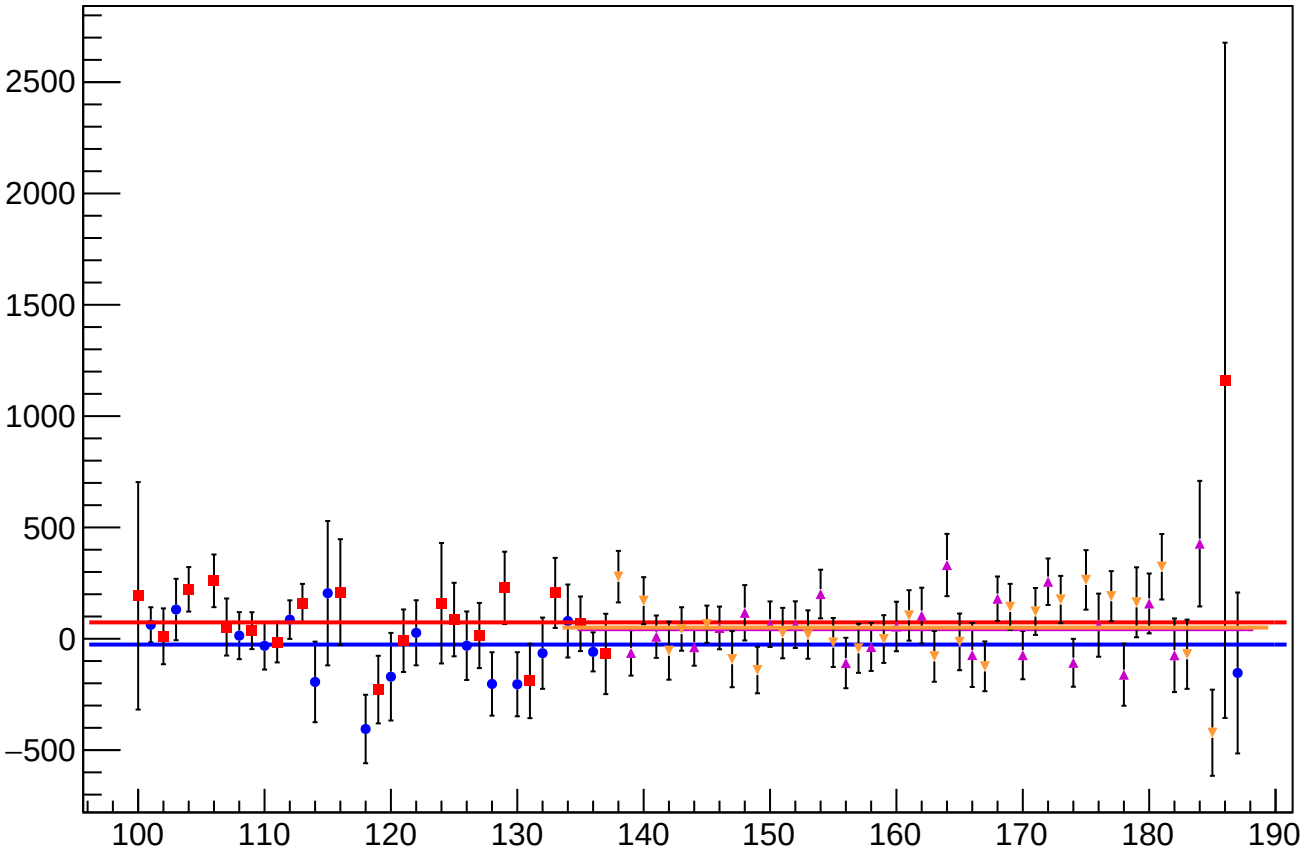
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 623.355+/-0.124 χ^2/NDF: 4821774.5/36

In: 671.612+/-0.096 χ^2/NDF:2666744.0/39

Out: 656.650+/-0.092 χ^2/NDF:3605399.8/44

All: 663.815+/-0.067 χ^2/NDF: 6284686.1/84



Right In: -26.028+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 73.616+/-29.931 χ^2/NDF: 17.2/19

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

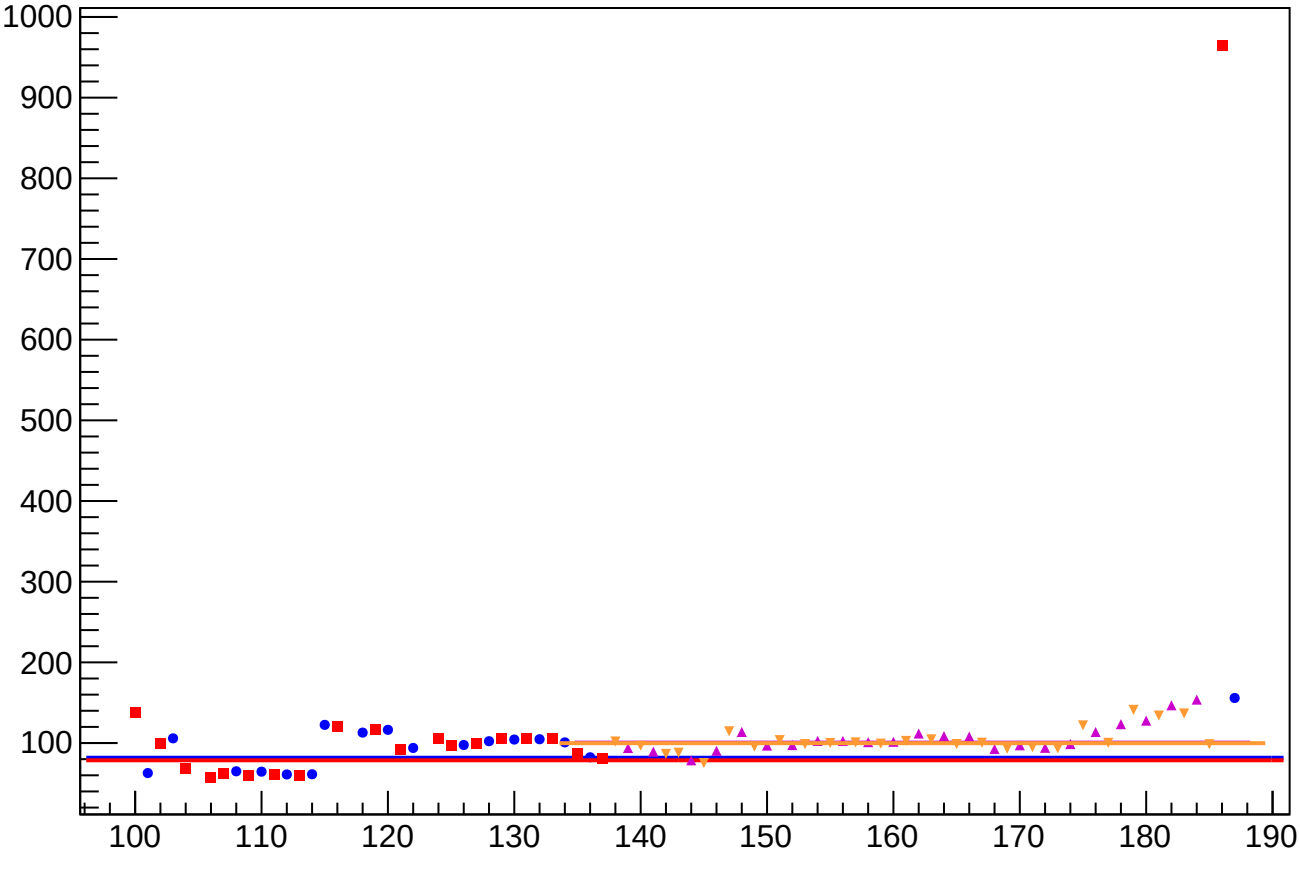
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 25.725+/-21.570 χ^2/NDF: 38.9/36

In: 17.593+/-18.883 χ^2/NDF:46.1/39

Out: 58.950+/-18.216 χ^2/NDF:51.1/44

All: 39.014+/-13.110 χ^2/NDF: 99.6/84



Right In: 81.763+/-0.022 χ^2/NDF: 872347.2/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 78.625+/-0.021 χ^2/NDF: 1619698.1/19

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

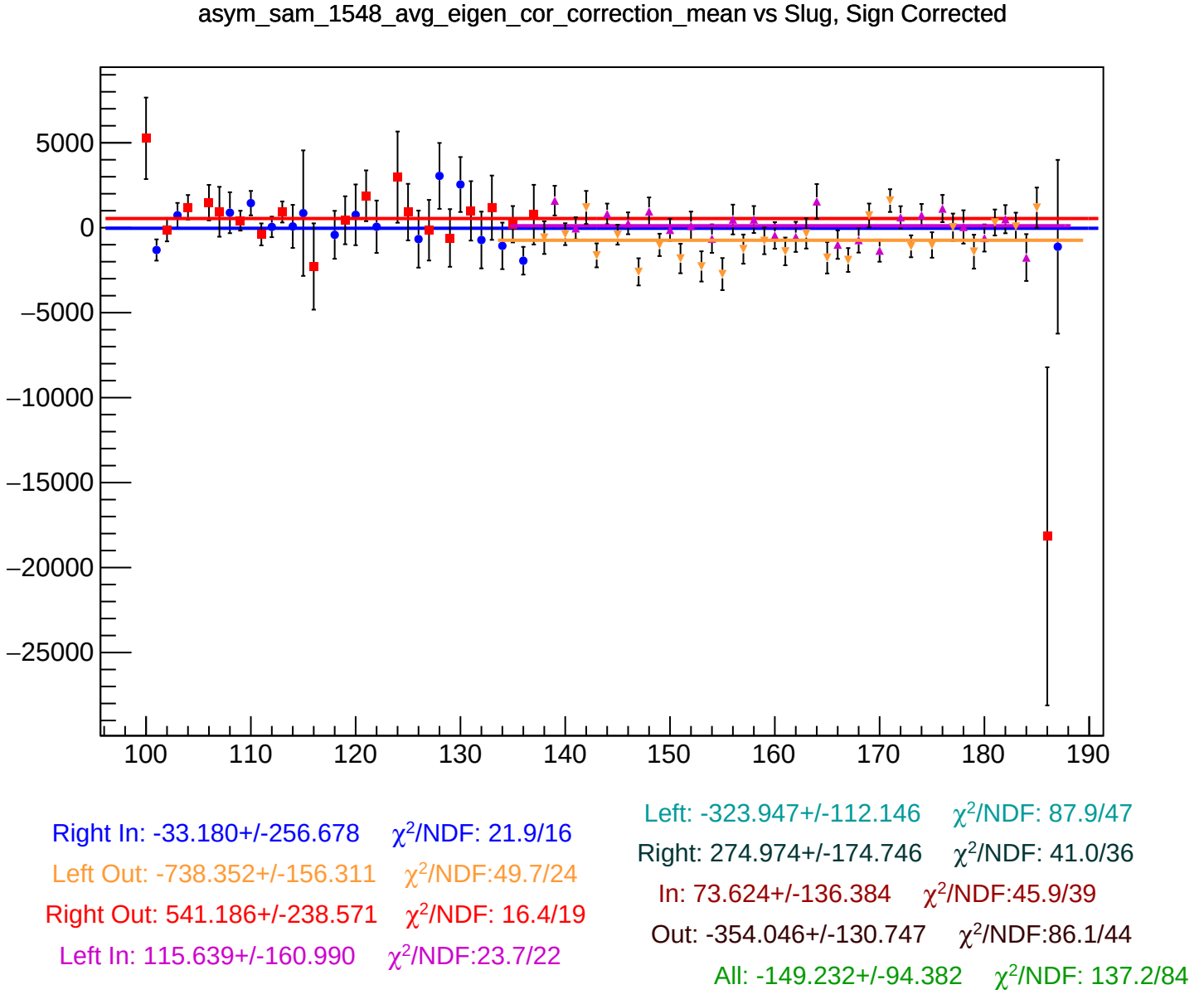
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 80.133+/-0.015 χ^2/NDF: 2502613.0/36

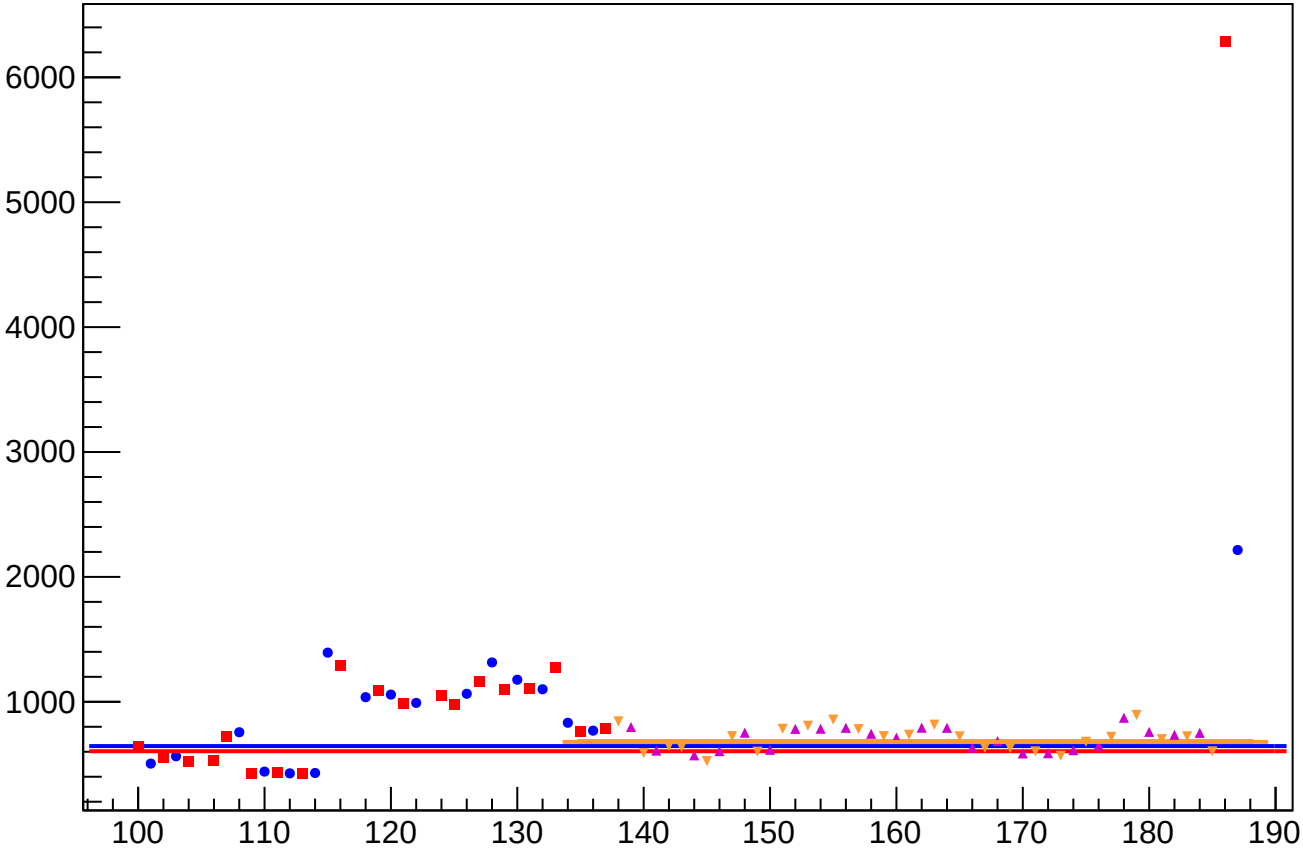
In: 93.597+/-0.013 χ^2/NDF:1987270.6/39

Out: 91.981+/-0.013 χ^2/NDF:2950043.9/44

All: 92.760+/-0.009 χ^2/NDF: 4944906.6/84


asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -33.180+/-256.678 χ²/NDF: 21.9/16
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 541.186+/-238.571 χ²/NDF: 16.4/19
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 274.974+/-174.746 χ²/NDF: 41.0/36
In: 73.624+/-136.384 χ²/NDF:45.9/39
Out: -354.046+/-130.747 χ²/NDF:86.1/44
All: -149.232+/-94.382 χ²/NDF: 137.2/84

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.475+/-0.181 χ^2/NDF: 2064036.0/16

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 604.245+/-0.169 χ^2/NDF: 2730052.2/19

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

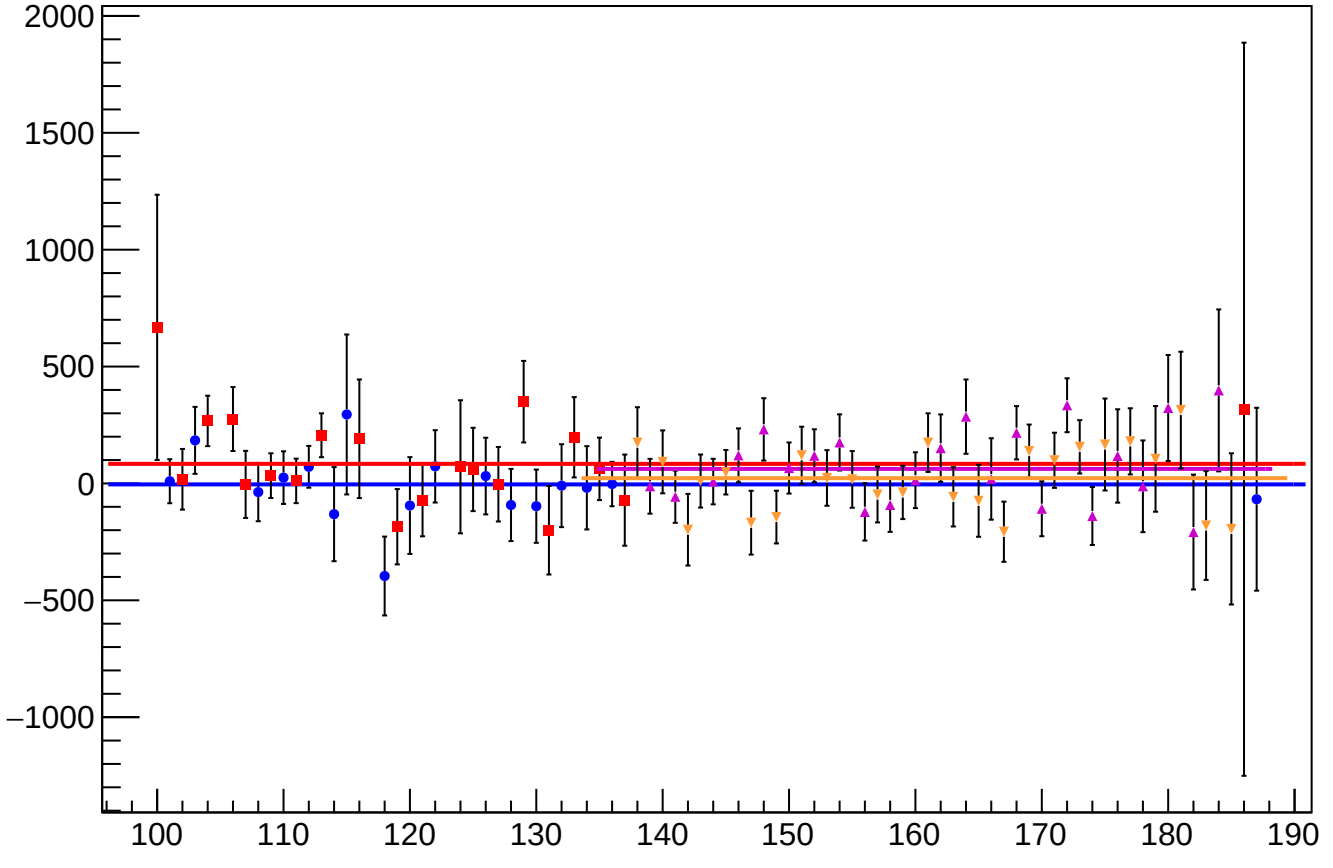
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 623.355+/-0.124 χ^2/NDF: 4821774.5/36

In: 671.612+/-0.096 χ^2/NDF:2666744.0/39

Out: 656.650+/-0.092 χ^2/NDF:3605399.8/44

All: 663.815+/-0.067 χ^2/NDF: 6284686.1/84



Right In: -4.118+/-34.023 χ^2/NDF: 10.4/16

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 83.778+/-32.625 χ^2/NDF: 19.1/19

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

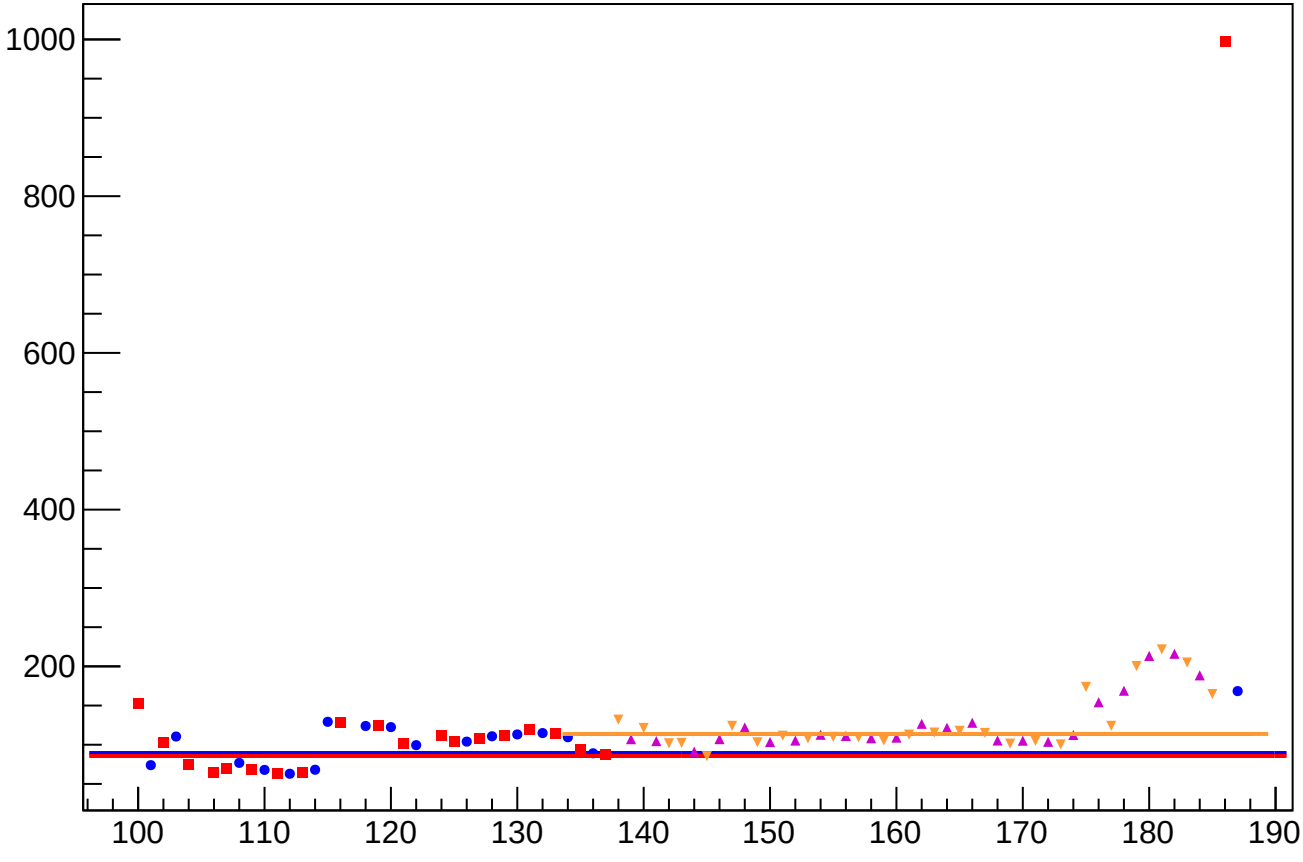
Right: 41.672+/-23.548 χ^2/NDF: 32.9/36

In: 36.161+/-21.311 χ^2/NDF:40.0/39

Out: 47.041+/-20.636 χ^2/NDF:42.8/44

All: 41.776+/-14.825 χ^2/NDF: 82.9/84

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 89.416+/-0.024 χ^2/NDF: 806827.7/16

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 85.619+/-0.023 χ^2/NDF: 1560343.9/19

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

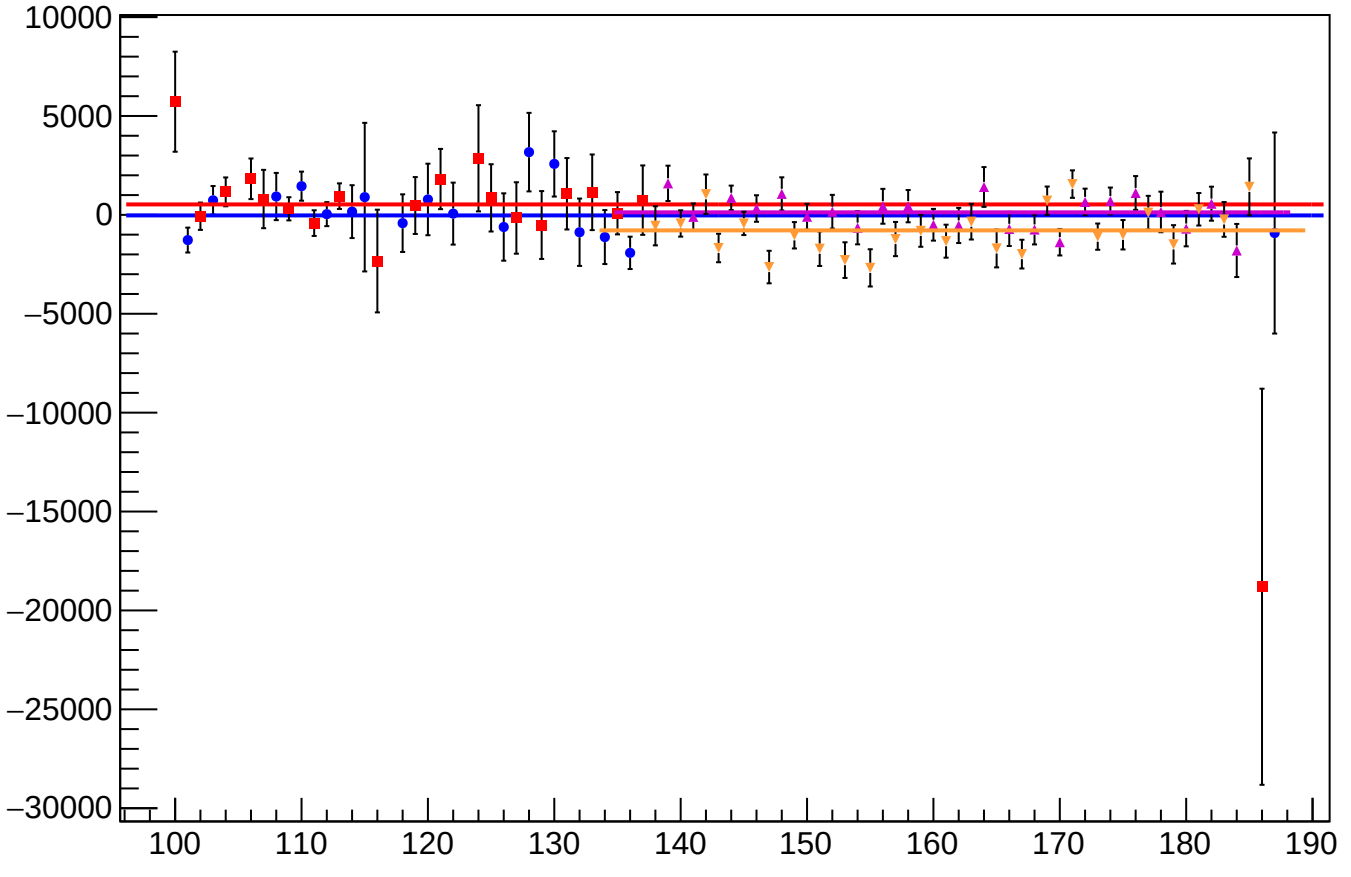
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 87.438+/-0.017 χ^2/NDF: 2380142.5/36

In: 104.158+/-0.015 χ^2/NDF:2740838.6/39

Out: 102.505+/-0.015 χ^2/NDF:4033280.8/44

All: 103.305+/-0.010 χ^2/NDF: 6780327.9/84



Right In: -28.089+/-259.064 χ^2/NDF: 21.6/16

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 528.416+/-241.168 χ^2/NDF: 17.4/19

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

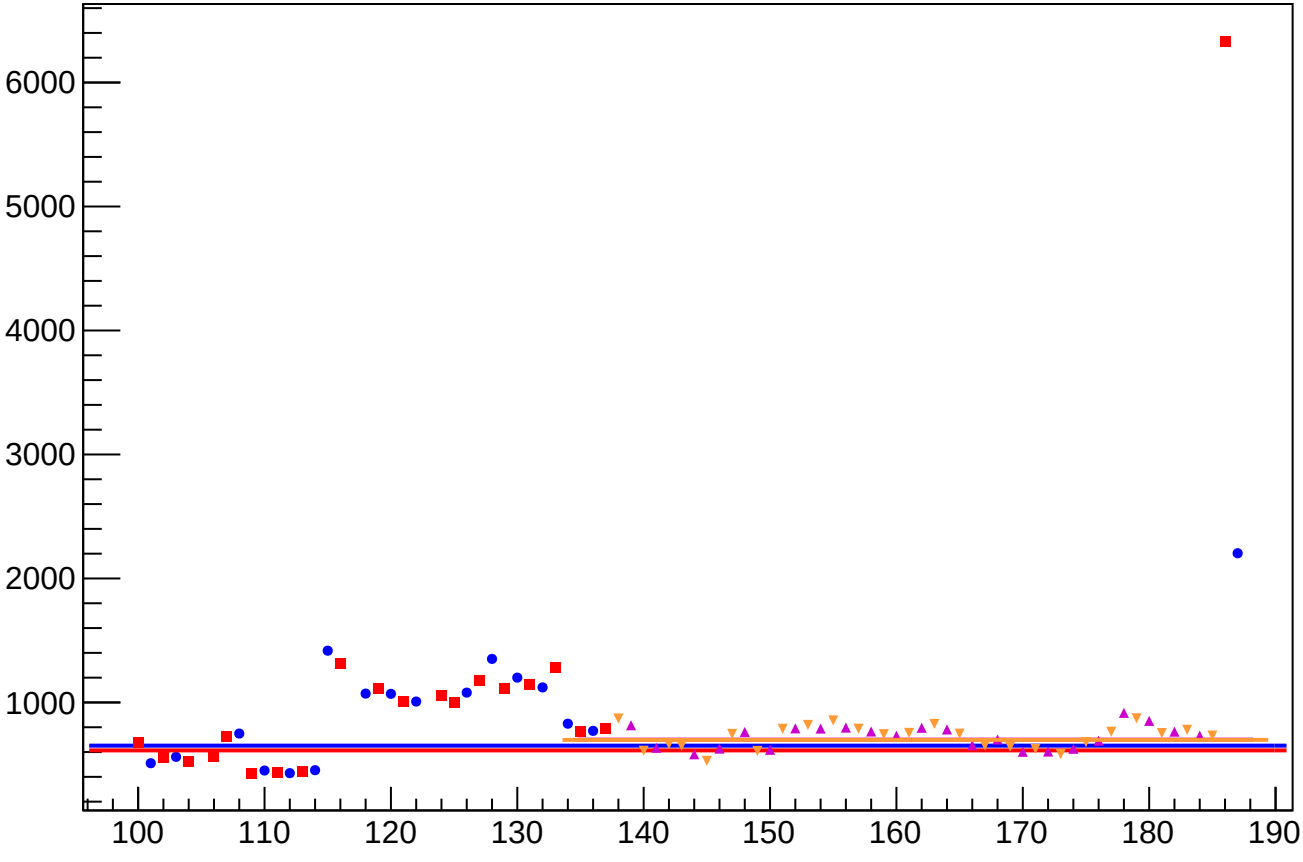
Right: 270.047+/-176.520 χ^2/NDF: 41.4/36

In: 82.966+/-139.323 χ^2/NDF:44.6/39

Out: -381.411+/-133.605 χ^2/NDF:83.3/44

All: -158.947+/-96.431 χ^2/NDF: 133.7/84

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 651.683+/-0.183 χ^2/NDF: 2074752.1/16

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 613.379+/-0.171 χ^2/NDF: 2726556.5/19

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

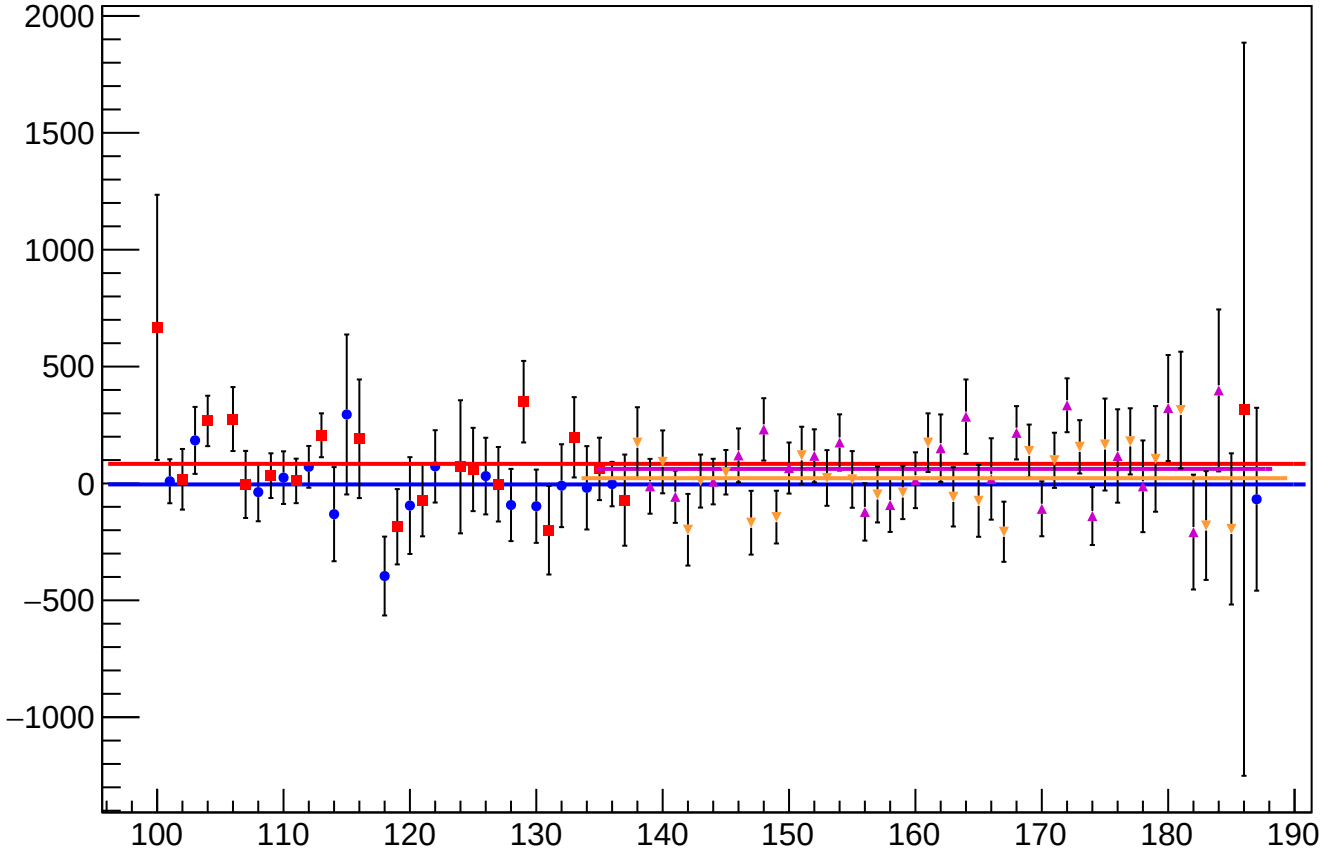
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 631.162+/-0.125 χ^2/NDF: 4824732.3/36

In: 686.082+/-0.099 χ^2/NDF:2708681.2/39

Out: 672.194+/-0.094 χ^2/NDF:3612864.8/44

All: 678.847+/-0.068 χ^2/NDF: 6331899.3/84



Right In: -4.117+/-34.023 χ^2/NDF: 10.4/16

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 83.777+/-32.625 χ^2/NDF: 19.1/19

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

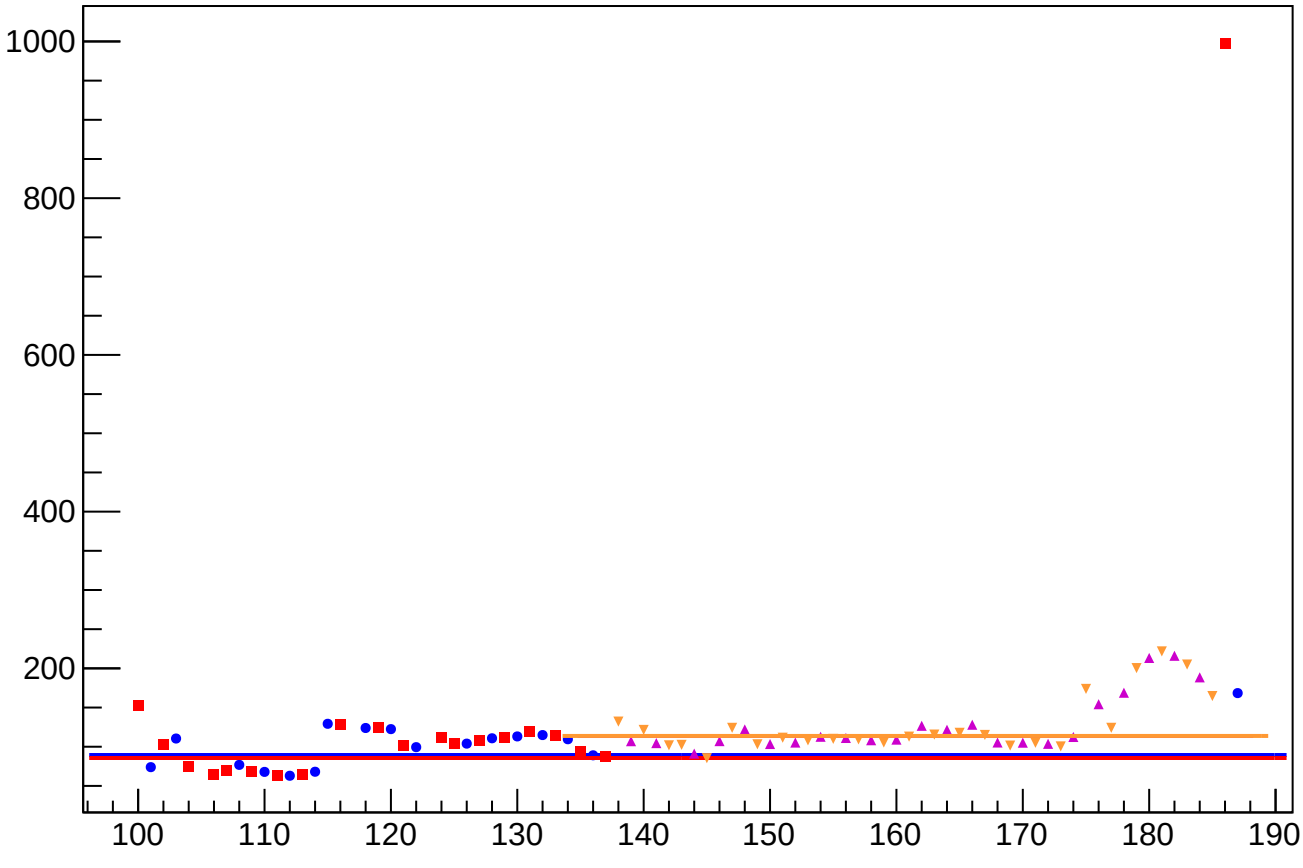
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 41.672+/-23.548 χ^2/NDF: 32.9/36

In: 36.162+/-21.311 χ^2/NDF:40.0/39

Out: 47.042+/-20.636 χ^2/NDF:42.8/44

All: 41.777+/-14.825 χ^2/NDF: 82.9/84



Right In: 89.416+/-0.024 χ^2/NDF: 806827.9/16

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 85.619+/-0.023 χ^2/NDF: 1560345.4/19

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

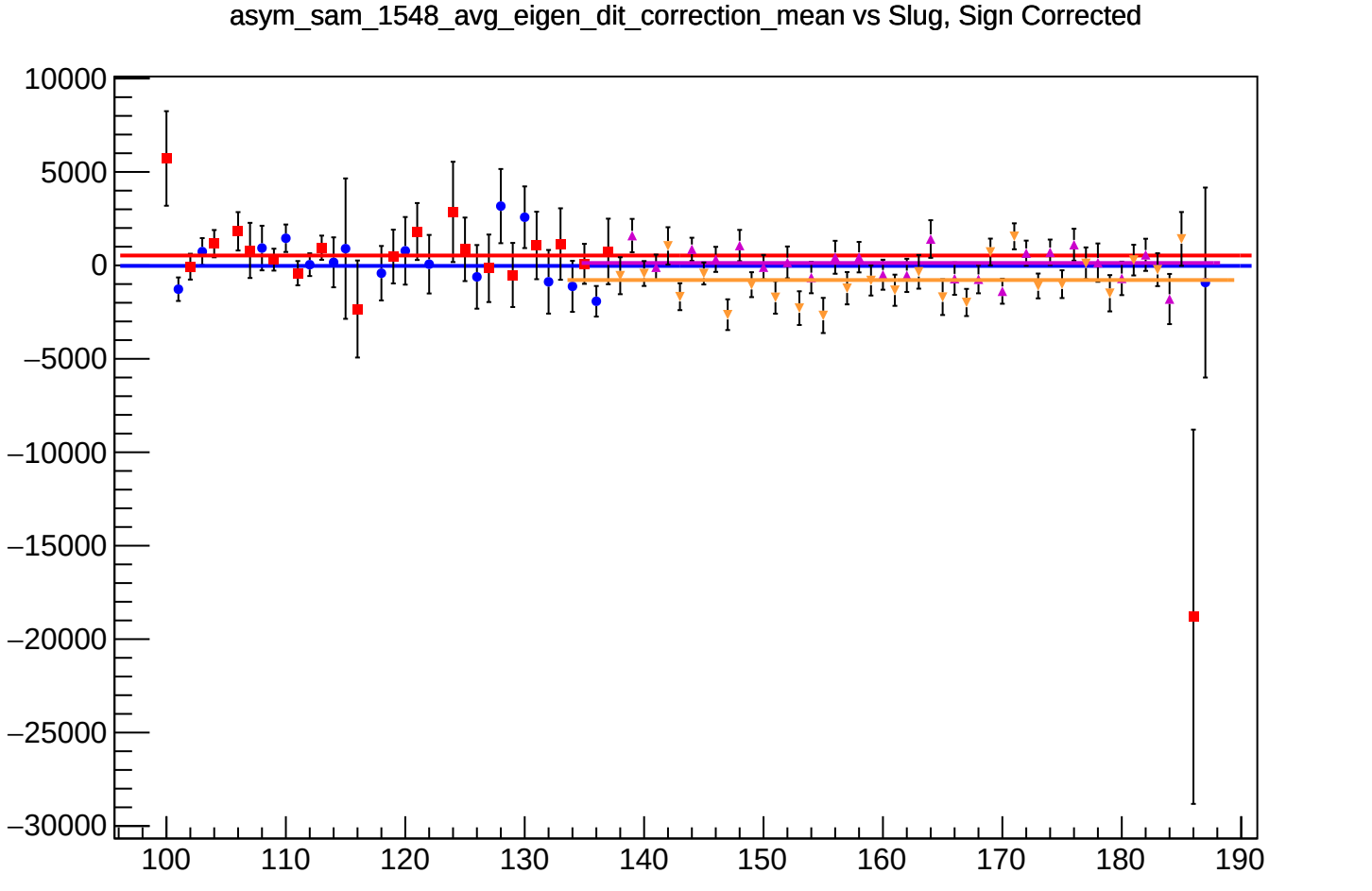
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 87.438+/-0.017 χ^2/NDF: 2380144.4/36

In: 104.158+/-0.015 χ^2/NDF:2740826.4/39

Out: 102.505+/-0.015 χ^2/NDF:4033282.3/44

All: 103.305+/-0.010 χ^2/NDF: 6780317.4/84



Right In: -28.089+/-259.064 χ^2/NDF: 21.6/16

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 528.415+/-241.168 χ^2/NDF: 17.4/19

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

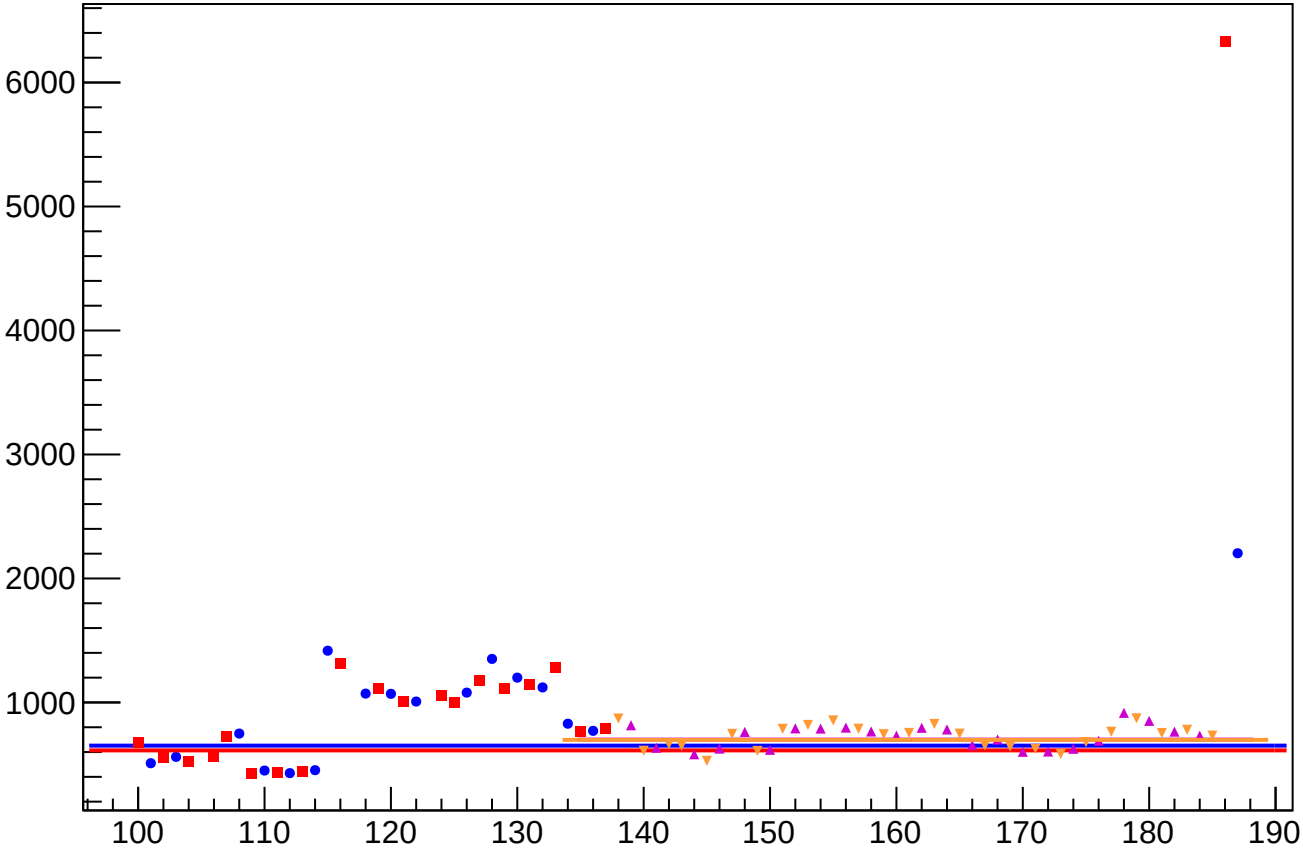
Right: 270.047+/-176.519 χ^2/NDF: 41.4/36

In: 82.965+/-139.323 χ^2/NDF:44.6/39

Out: -381.411+/-133.605 χ^2/NDF:83.3/44

All: -158.947+/-96.431 χ^2/NDF: 133.7/84

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 651.682+/-0.183 χ^2/NDF: 2074756.7/16

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 613.378+/-0.171 χ^2/NDF: 2726558.9/19

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

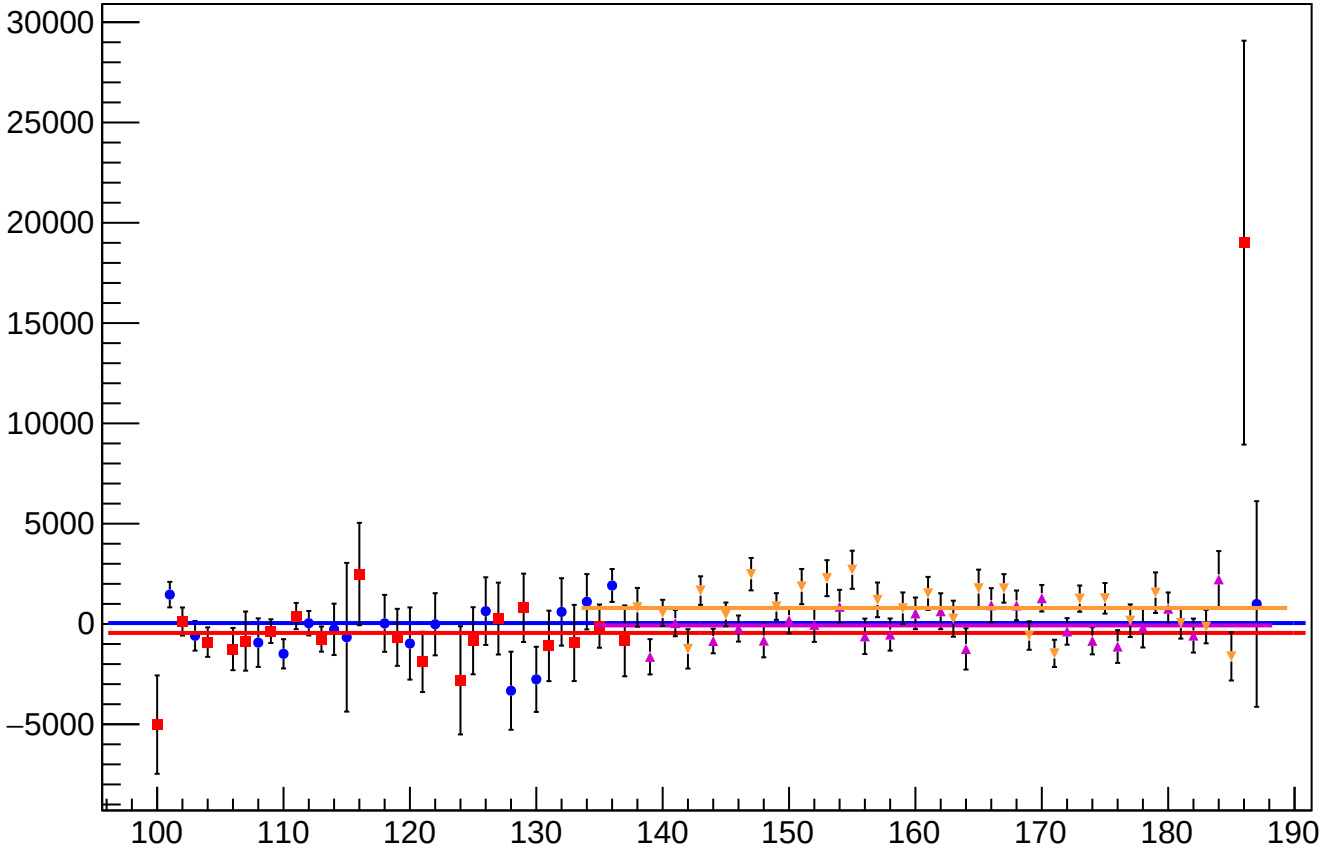
Right: 631.162+/-0.125 χ^2/NDF: 4824739.3/36

In: 686.081+/-0.099 χ^2/NDF:2708681.7/39

Out: 672.193+/-0.094 χ^2/NDF:3612865.6/44

All: 678.846+/-0.068 χ^2/NDF: 6331900.7/84

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 45.592+/-259.463 χ^2/NDF: 23.3/16

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -446.952+/-241.048 χ^2/NDF: 15.0/19

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

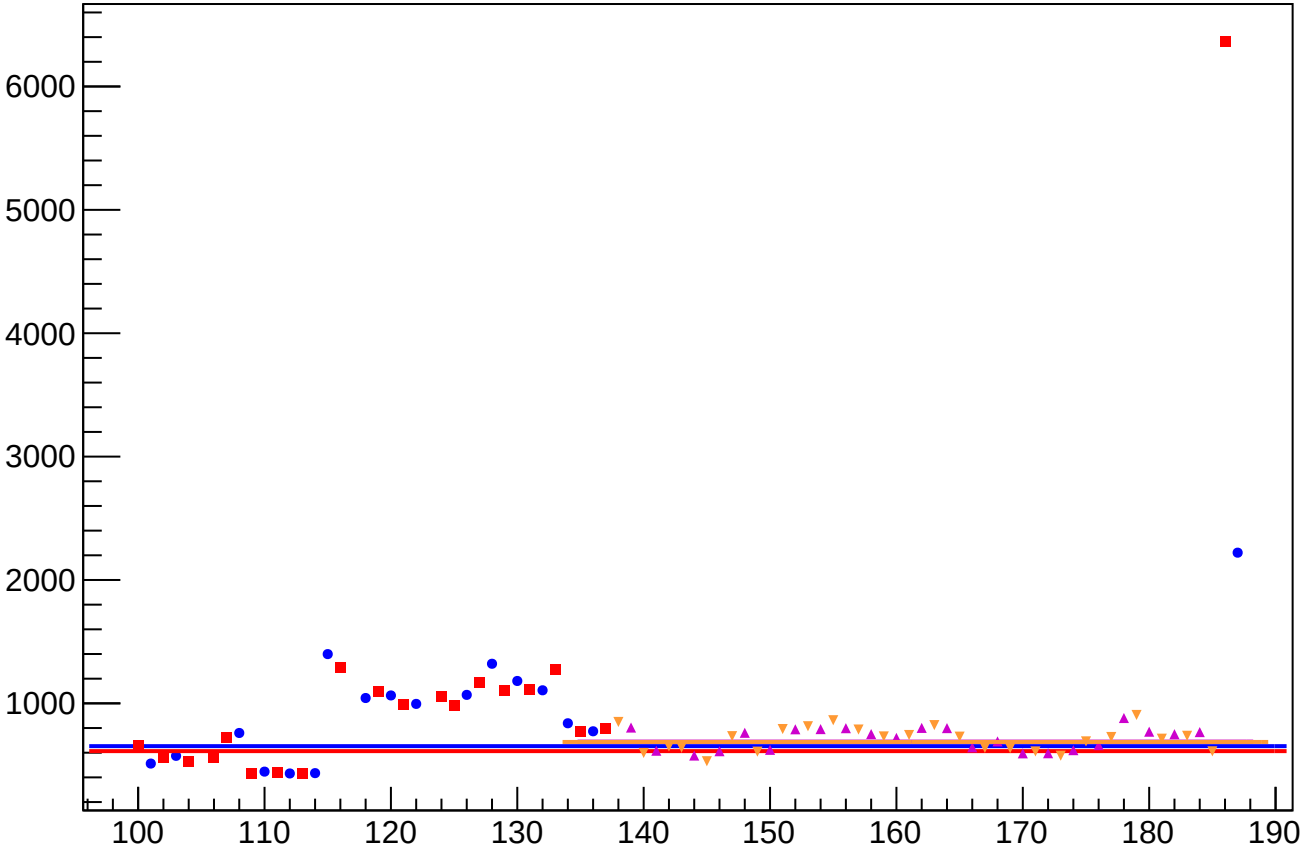
Right: -218.777+/-176.599 χ^2/NDF: 40.2/36

In: -39.836+/-137.950 χ^2/NDF:48.3/39

Out: 422.627+/-132.226 χ^2/NDF:80.0/44

All: 201.190+/-95.457 χ^2/NDF: 134.1/84

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 653.119+/-0.183 χ^2/NDF: 2033502.9/16

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 612.815+/-0.170 χ^2/NDF: 2696580.7/19

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

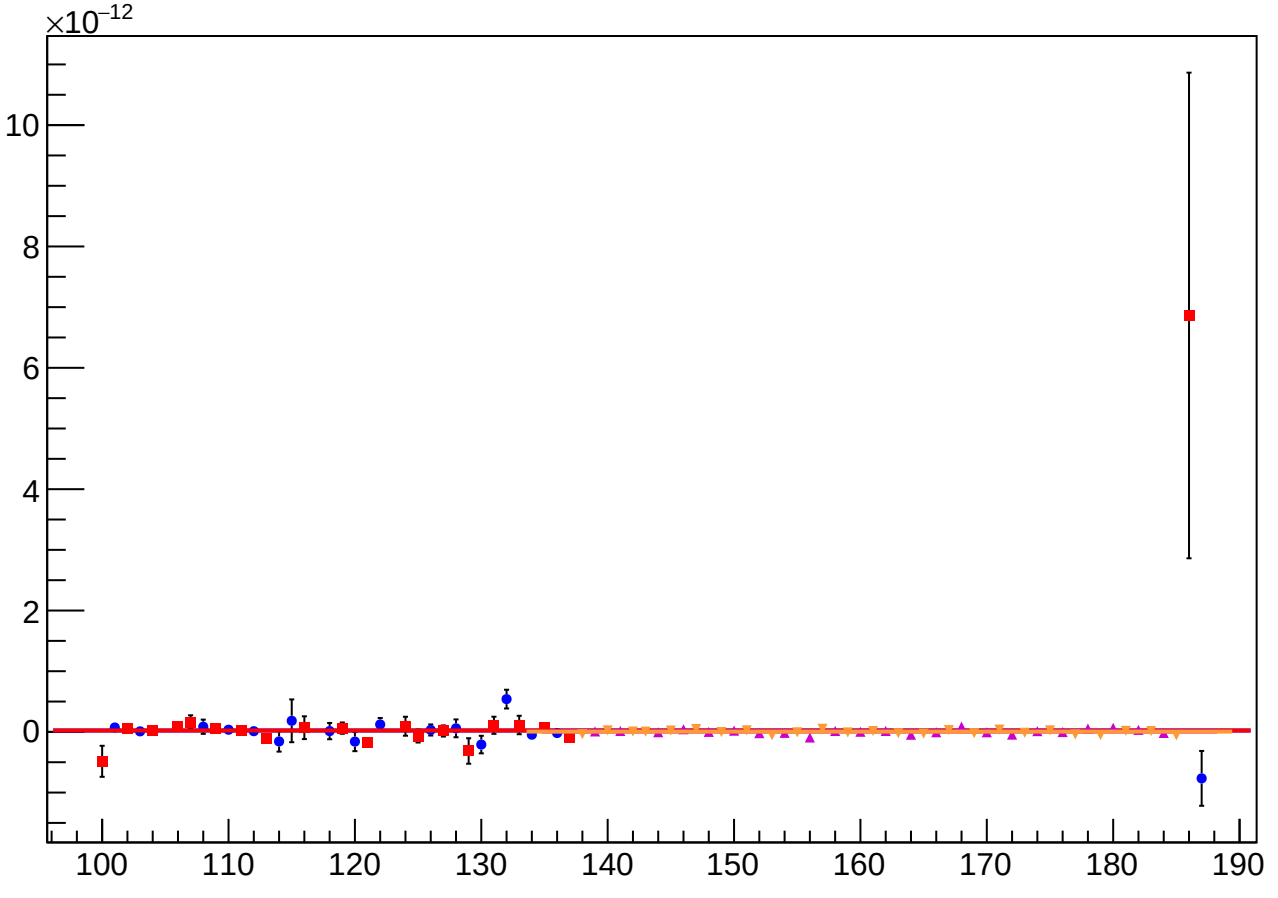
Right: 631.486+/-0.125 χ^2/NDF: 4755986.4/36

In: 679.572+/-0.098 χ^2/NDF:2629573.3/39

Out: 664.847+/-0.093 χ^2/NDF:3557875.7/44

All: 671.898+/-0.067 χ^2/NDF: 6199325.1/84

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/19

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

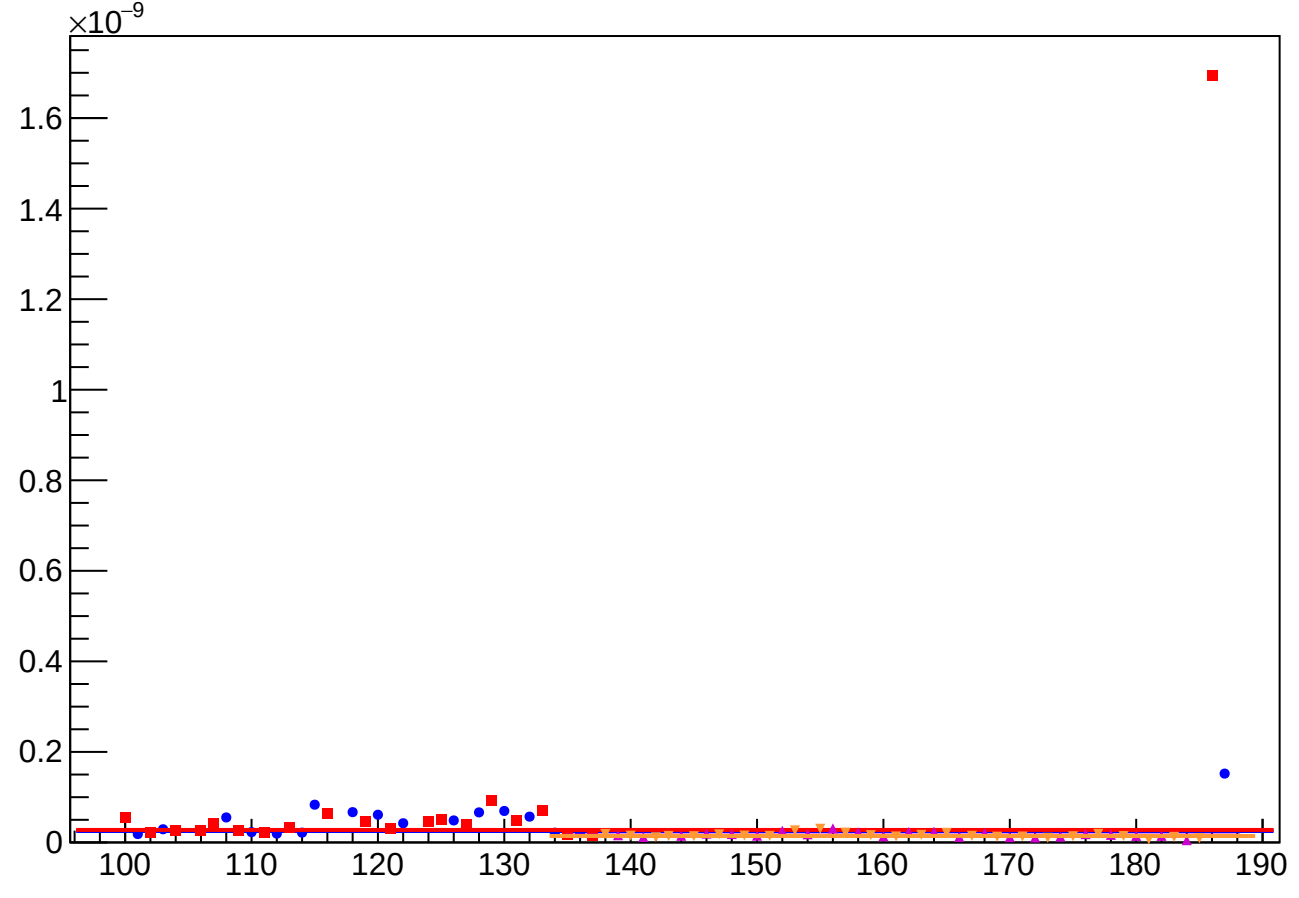
Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 55.3/36

In: 0.000+/-0.000 χ^2/NDF:54.2/39

Out: 0.000+/-0.000 χ^2/NDF:51.6/44

All: 0.000+/-0.000 χ^2/NDF: 105.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 1469593.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1335275.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

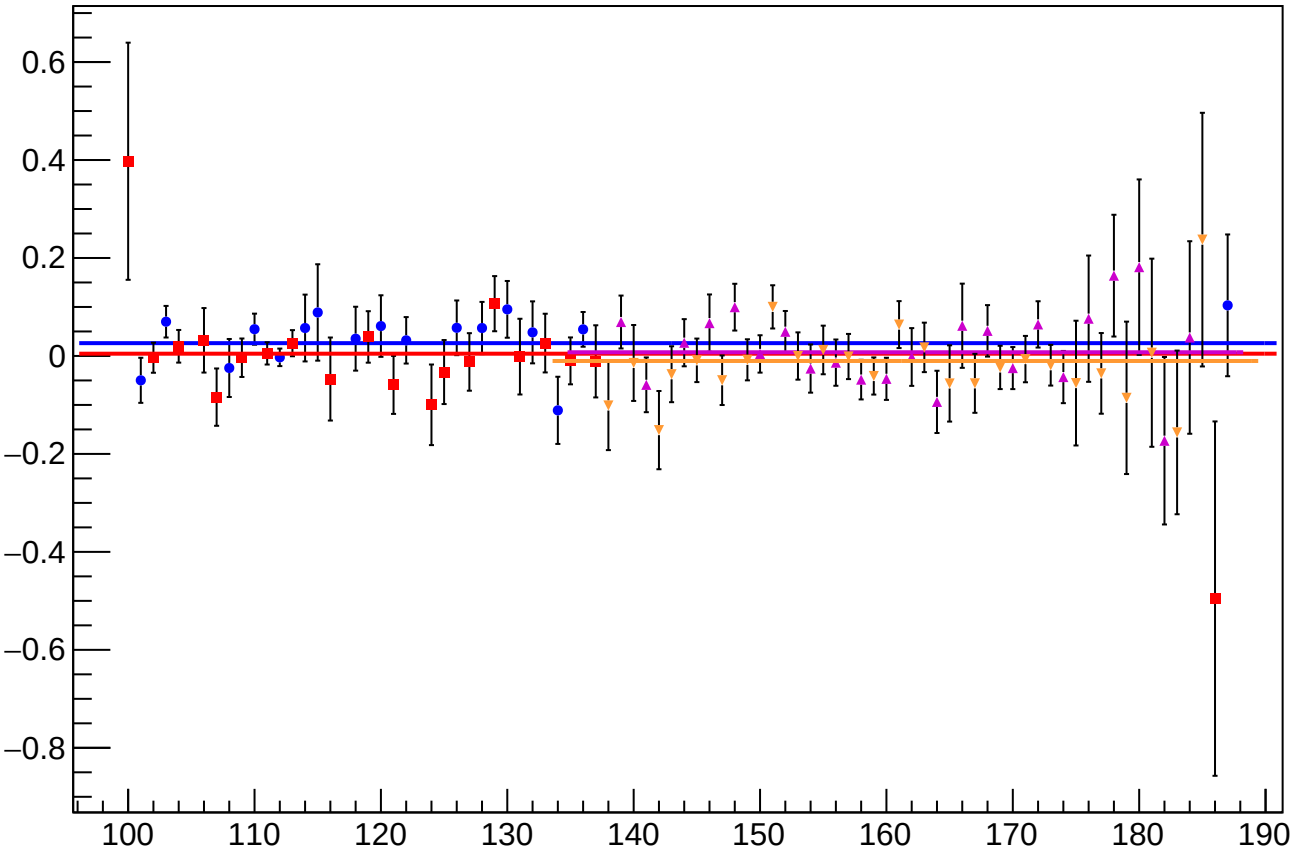
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 2825606.2/36

In: 0.000+/-0.000 χ^2/NDF:3348971.4/39

Out: 0.000+/-0.000 χ^2/NDF:3519657.1/44

All: 0.000+/-0.000 χ^2/NDF: 6894895.4/84



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/19

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

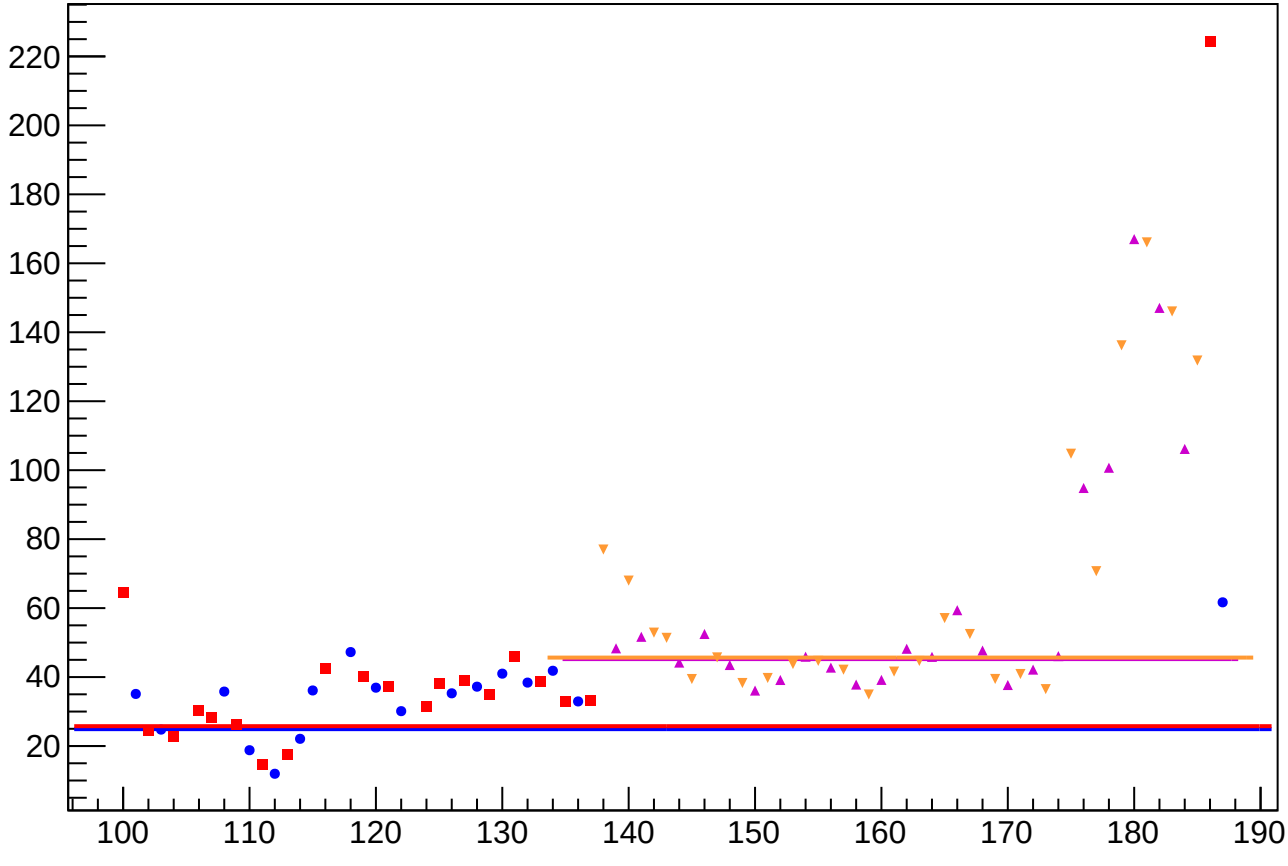
Right: 0.015+/-0.007 χ^2/NDF: 34.5/36

In: 0.018+/-0.008 χ^2/NDF:41.5/39

Out: -0.002+/-0.008 χ^2/NDF:34.5/44

All: 0.008+/-0.005 χ^2/NDF: 79.5/84

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.901+/-0.007 χ^2/NDF: 2424989.0/16

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 25.760+/-0.007 χ^2/NDF: 2208263.9/19

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

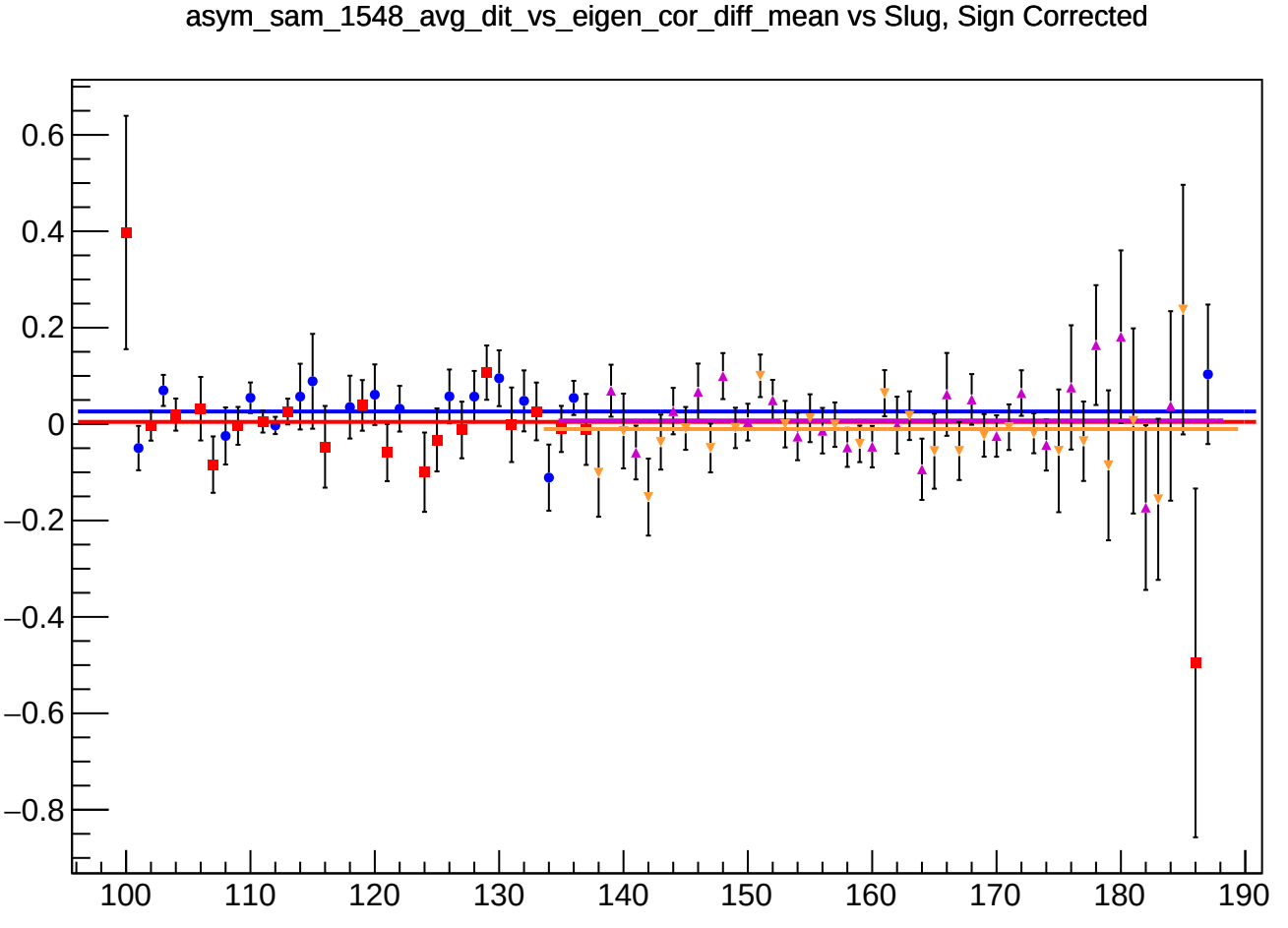
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 25.329+/-0.005 χ^2/NDF: 4640159.3/36

In: 34.047+/-0.005 χ^2/NDF:8900179.6/39

Out: 34.850+/-0.005 χ^2/NDF:9603188.2/44

All: 34.451+/-0.004 χ^2/NDF: 18514403.1/84



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/19

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

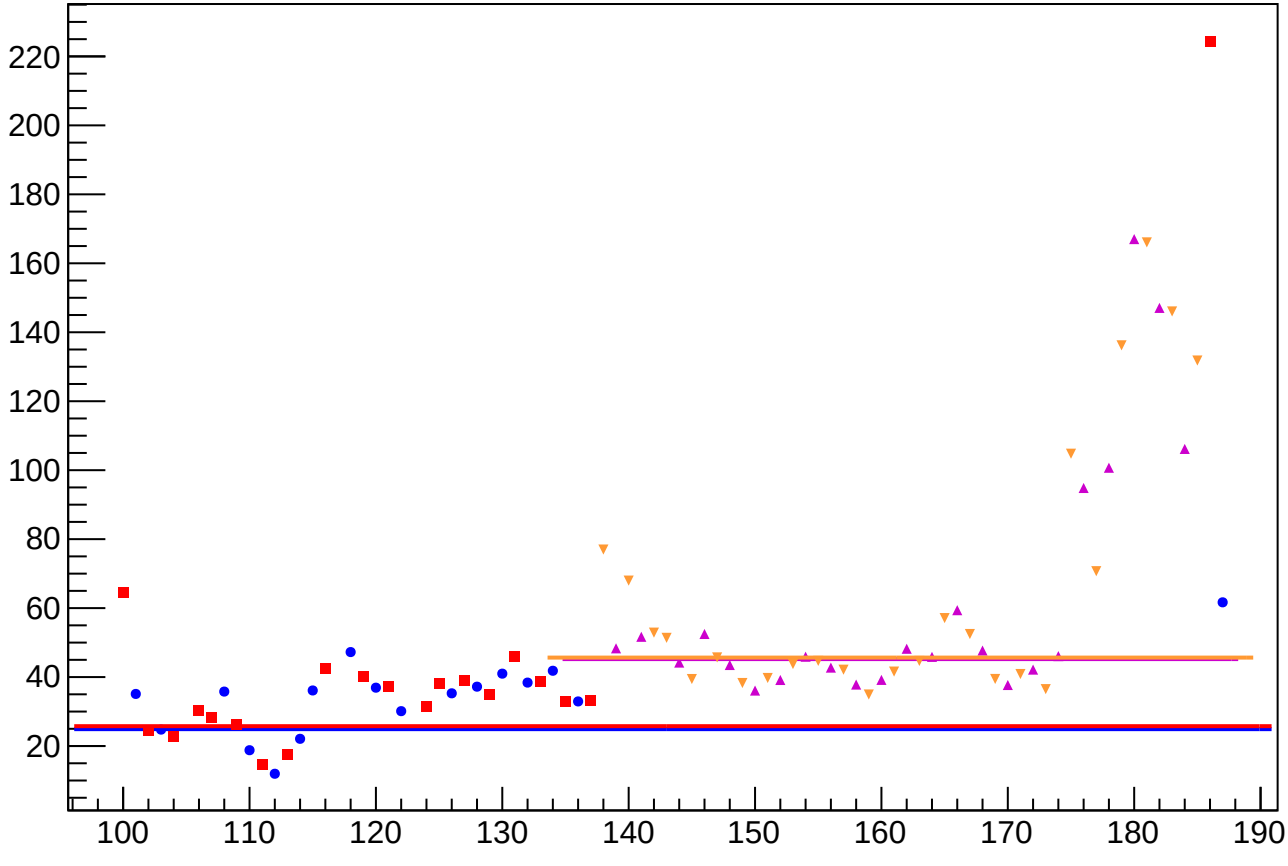
Right: 0.015+/-0.007 χ^2/NDF: 34.5/36

In: 0.018+/-0.008 χ^2/NDF:41.5/39

Out: -0.002+/-0.008 χ^2/NDF:34.5/44

All: 0.008+/-0.005 χ^2/NDF: 79.5/84

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.901+/-0.007 χ^2/NDF: 2424989.0/16

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 25.760+/-0.007 χ^2/NDF: 2208263.9/19

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

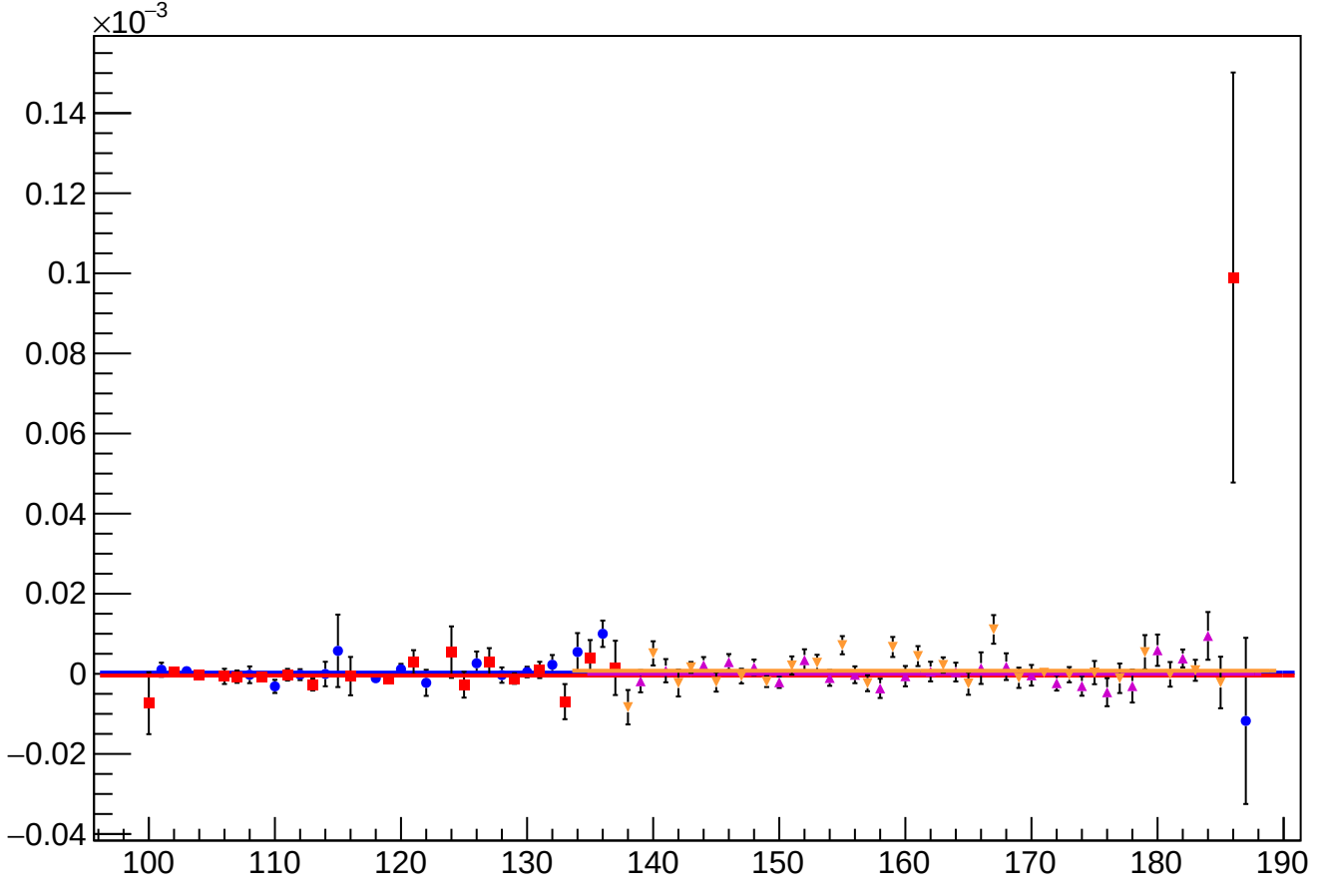
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 25.329+/-0.005 χ^2/NDF: 4640159.3/36

In: 34.047+/-0.005 χ^2/NDF:8900179.6/39

Out: 34.850+/-0.005 χ^2/NDF:9603188.2/44

All: 34.451+/-0.004 χ^2/NDF: 18514403.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/19

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

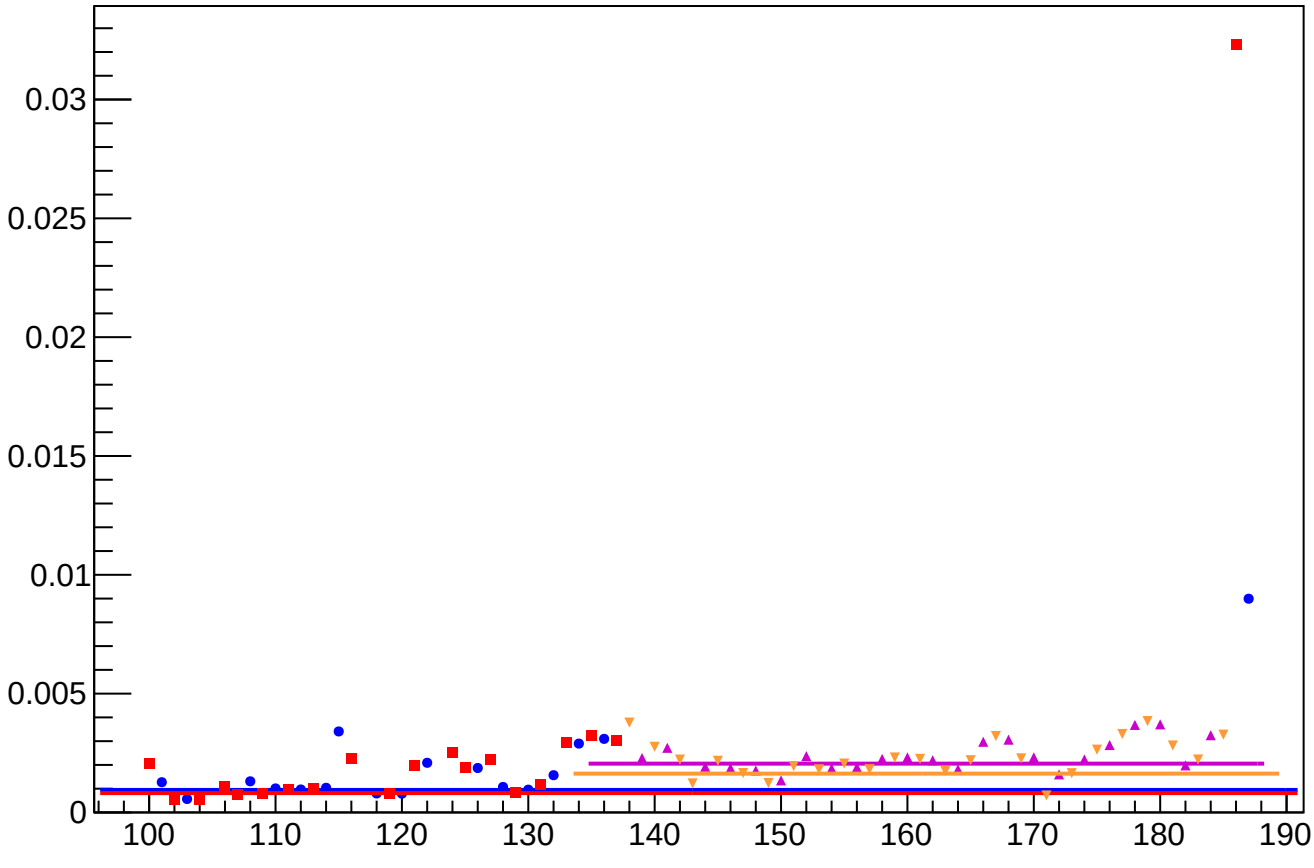
Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

Right: -0.000+/-0.000 χ^2/NDF: 38.0/36

In: 0.000+/-0.000 χ^2/NDF:44.3/39

Out: 0.000+/-0.000 χ^2/NDF:67.6/44

All: 0.000+/-0.000 χ^2/NDF: 112.0/84



Right In: 0.001+/-0.000 χ^2/NDF: 2966743.6/16

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4001182.8/19

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

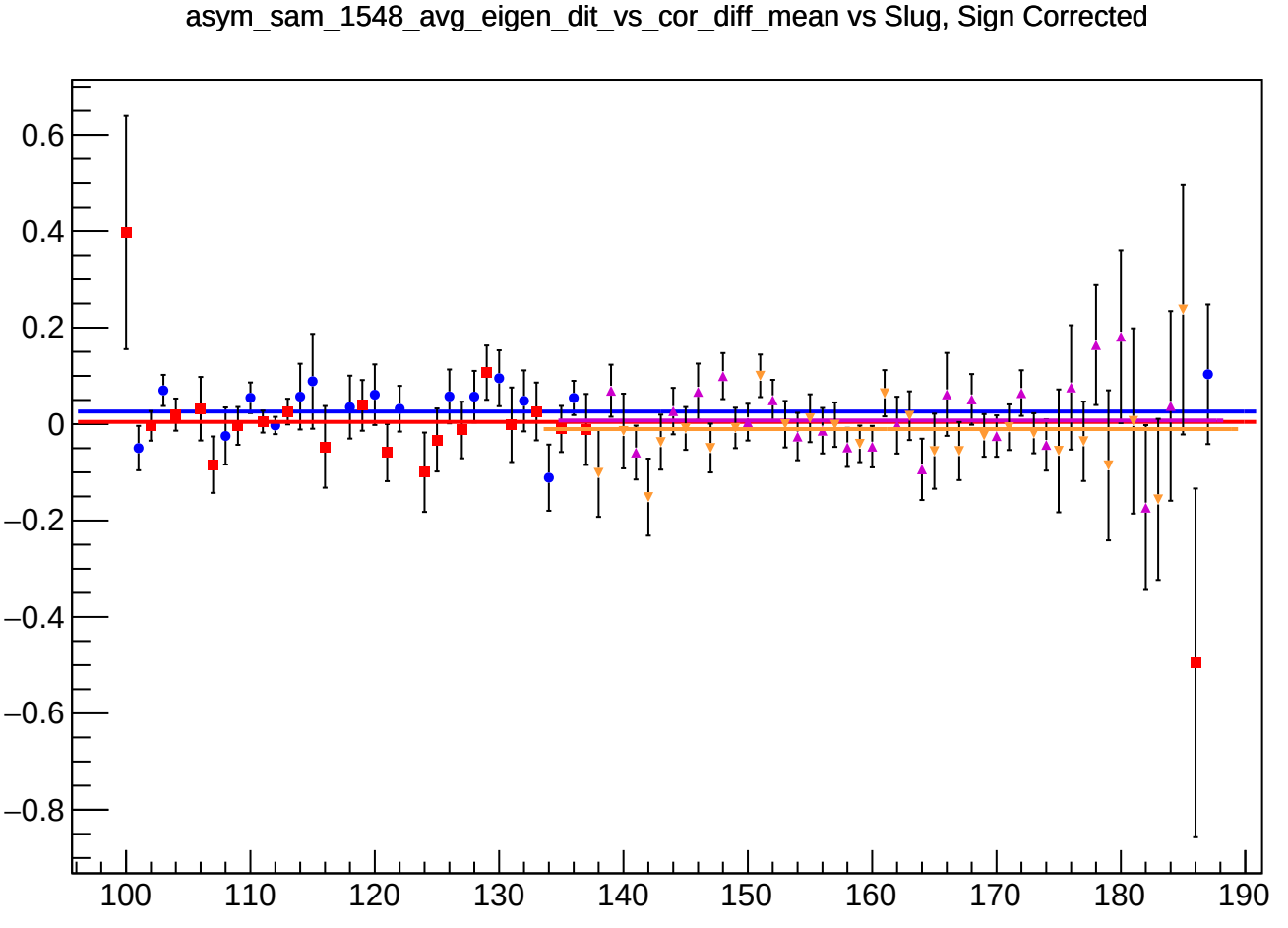
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 7094386.4/36

In: 0.001+/-0.000 χ^2/NDF:11014128.7/39

Out: 0.001+/-0.000 χ^2/NDF:15193940.9/44

All: 0.001+/-0.000 χ^2/NDF: 26848611.0/84



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/19

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

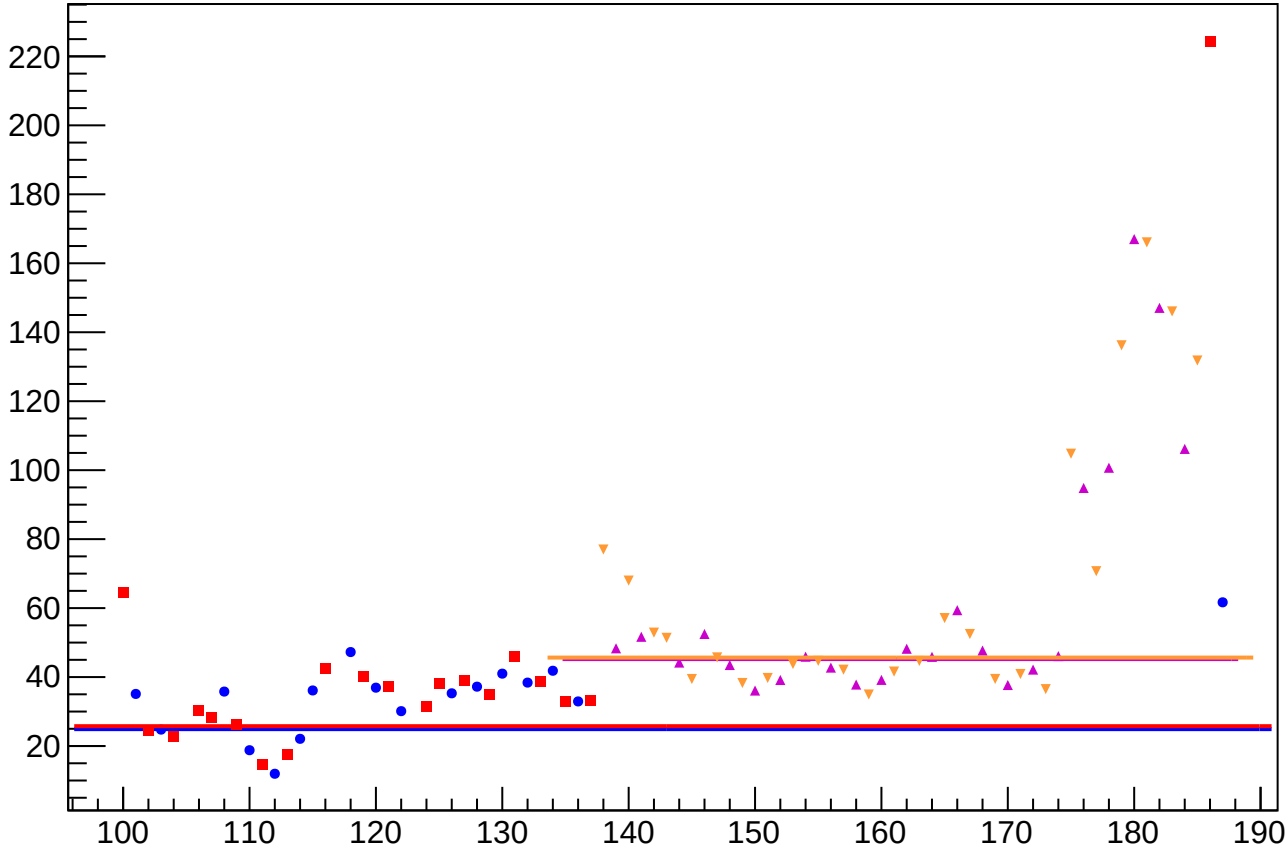
Right: 0.015+/-0.007 χ^2/NDF: 34.5/36

In: 0.018+/-0.008 χ^2/NDF:41.5/39

Out: -0.002+/-0.008 χ^2/NDF:34.5/44

All: 0.008+/-0.005 χ^2/NDF: 79.5/84

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.900+/-0.007 χ^2/NDF: 2425171.2/16

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 25.759+/-0.007 χ^2/NDF: 2208406.4/19

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

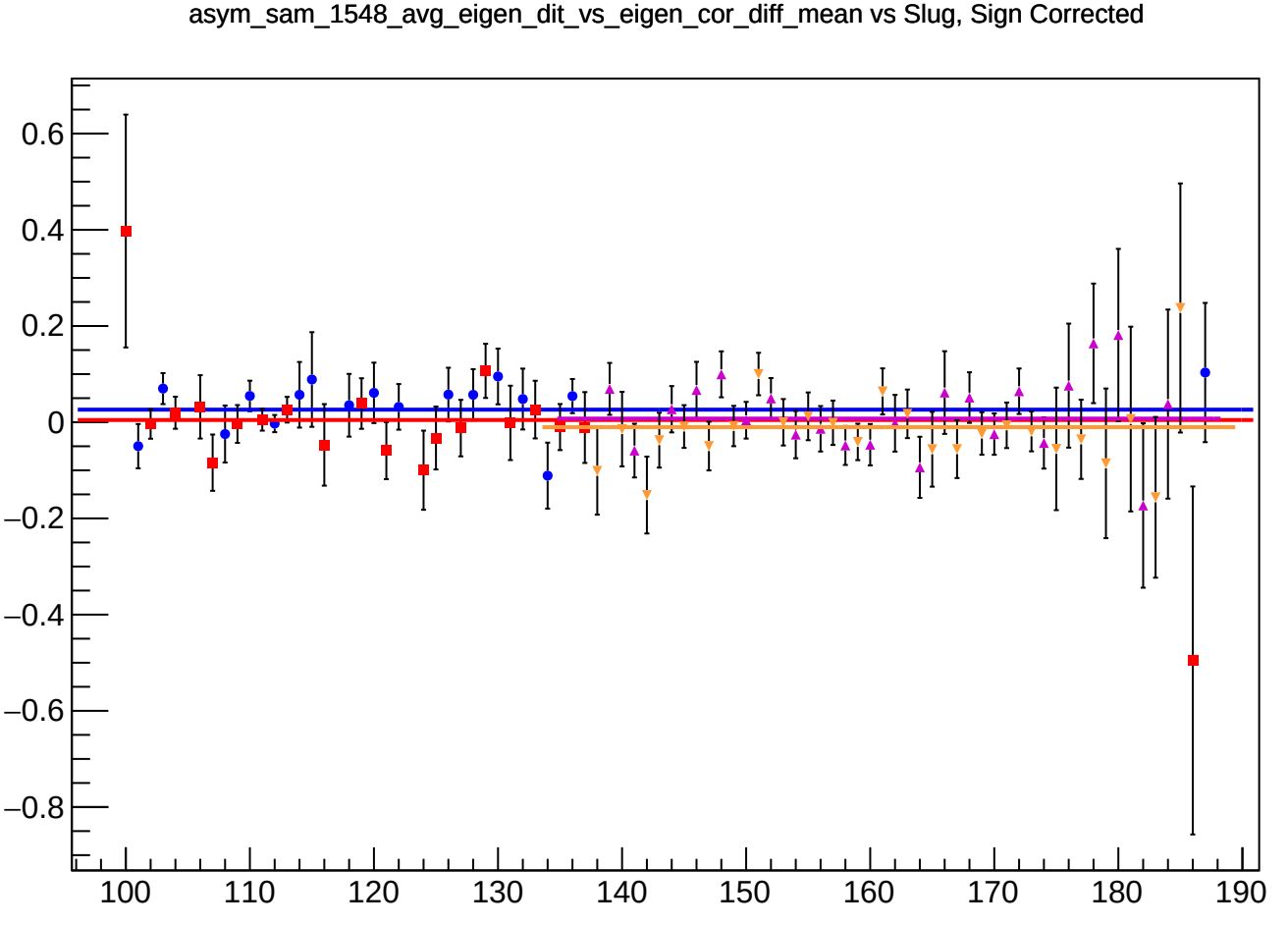
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 25.329+/-0.005 χ^2/NDF: 4640486.6/36

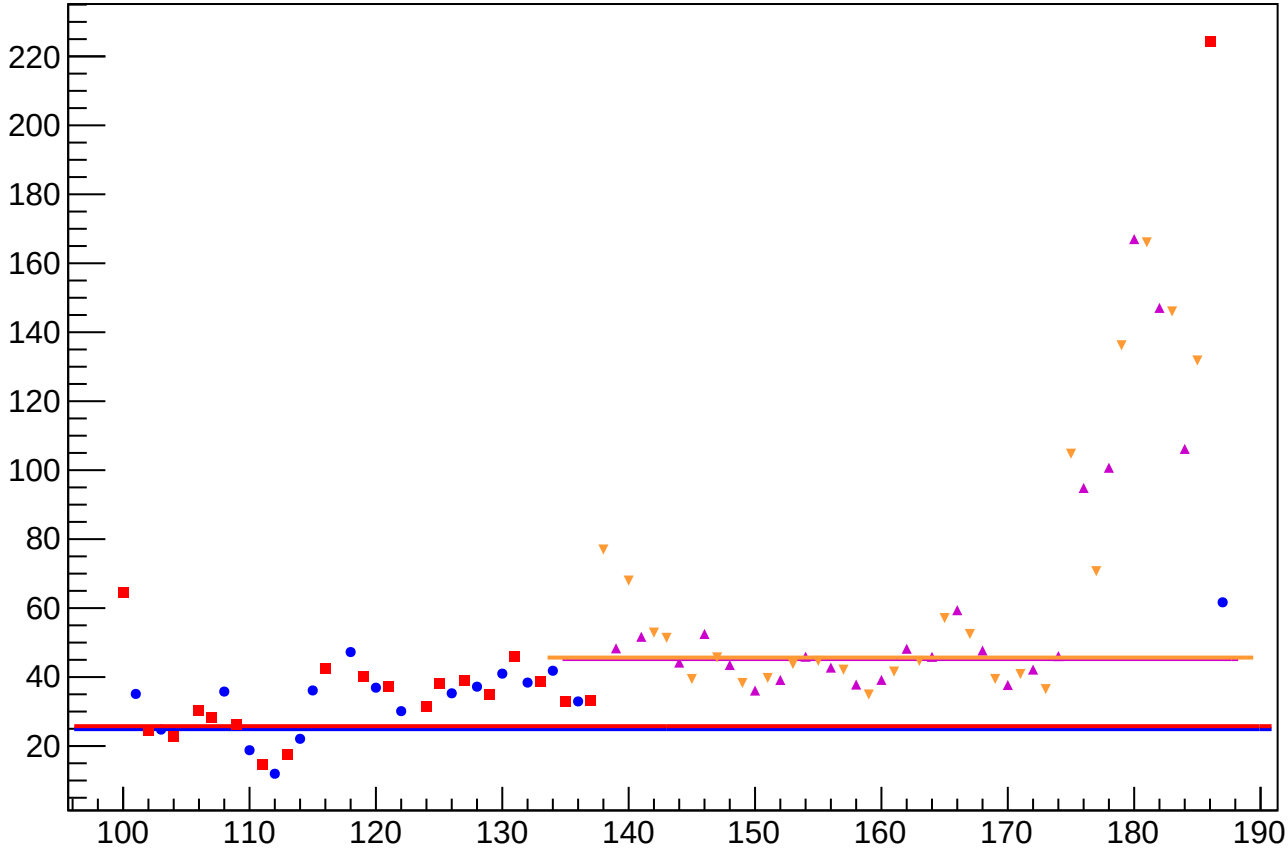
In: 34.047+/-0.005 χ^2/NDF:8900633.4/39

Out: 34.850+/-0.005 χ^2/NDF:9603530.8/44

All: 34.450+/-0.004 χ^2/NDF: 18515203.1/84


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.026+/-0.010 χ²/NDF: 16.8/16
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.005+/-0.010 χ²/NDF: 15.5/19
Left In: 0.008+/-0.011 χ²/NDF:23.3/22
Left: -0.001+/-0.008 χ²/NDF: 42.6/47
Right: 0.015+/-0.007 χ²/NDF: 34.5/36
In: 0.018+/-0.008 χ²/NDF:41.5/39
Out: -0.002+/-0.008 χ²/NDF:34.5/44
All: 0.008+/-0.005 χ²/NDF: 79.5/84

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.900+/-0.007 χ^2/NDF: 2425171.2/16

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 25.759+/-0.007 χ^2/NDF: 2208406.4/19

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

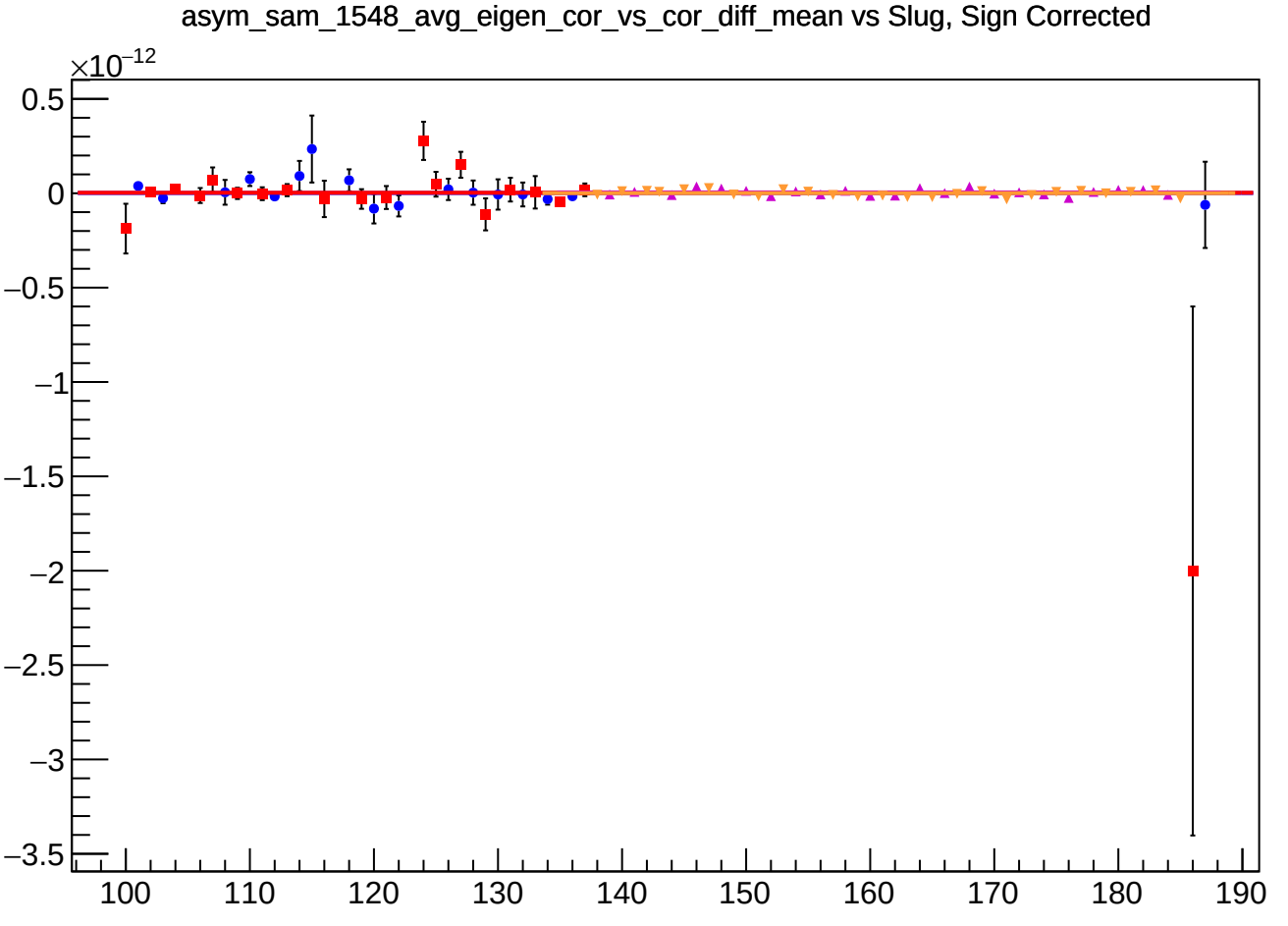
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

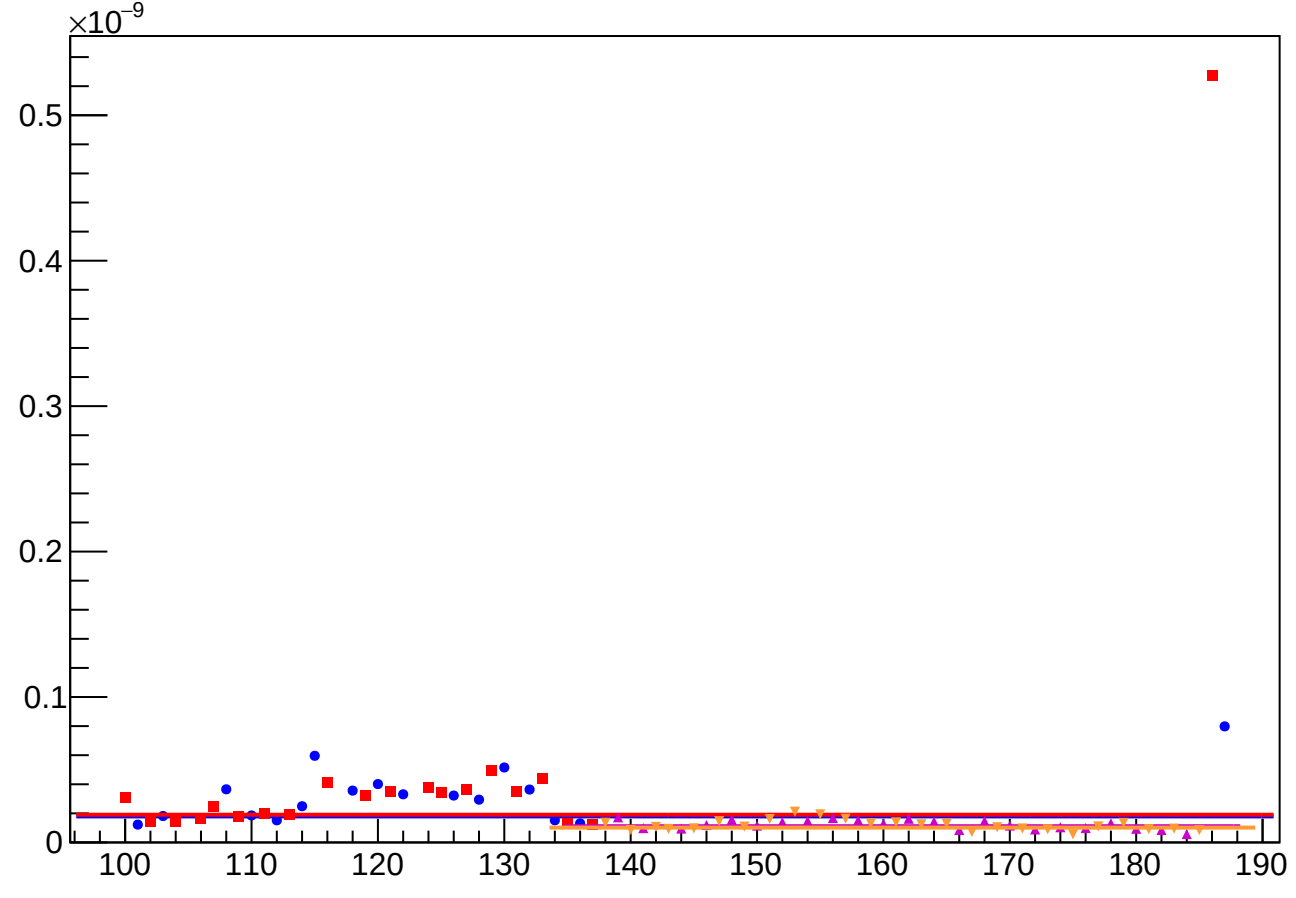
Right: 25.329+/-0.005 χ^2/NDF: 4640486.6/36

In: 34.047+/-0.005 χ^2/NDF:8900633.4/39

Out: 34.850+/-0.005 χ^2/NDF:9603530.8/44

All: 34.450+/-0.004 χ^2/NDF: 18515203.1/84


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 18.8/16
Left Out: 0.000+/-0.000 χ²/NDF:25.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.5/19
Left In: 0.000+/-0.000 χ²/NDF:23.7/22
Left: 0.000+/-0.000 χ²/NDF: 49.9/47
Right: 0.000+/-0.000 χ²/NDF: 44.3/36
In: 0.000+/-0.000 χ²/NDF:42.6/39
Out: 0.000+/-0.000 χ²/NDF:51.0/44
All: 0.000+/-0.000 χ²/NDF: 94.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 2016953.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1883840.3/19

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

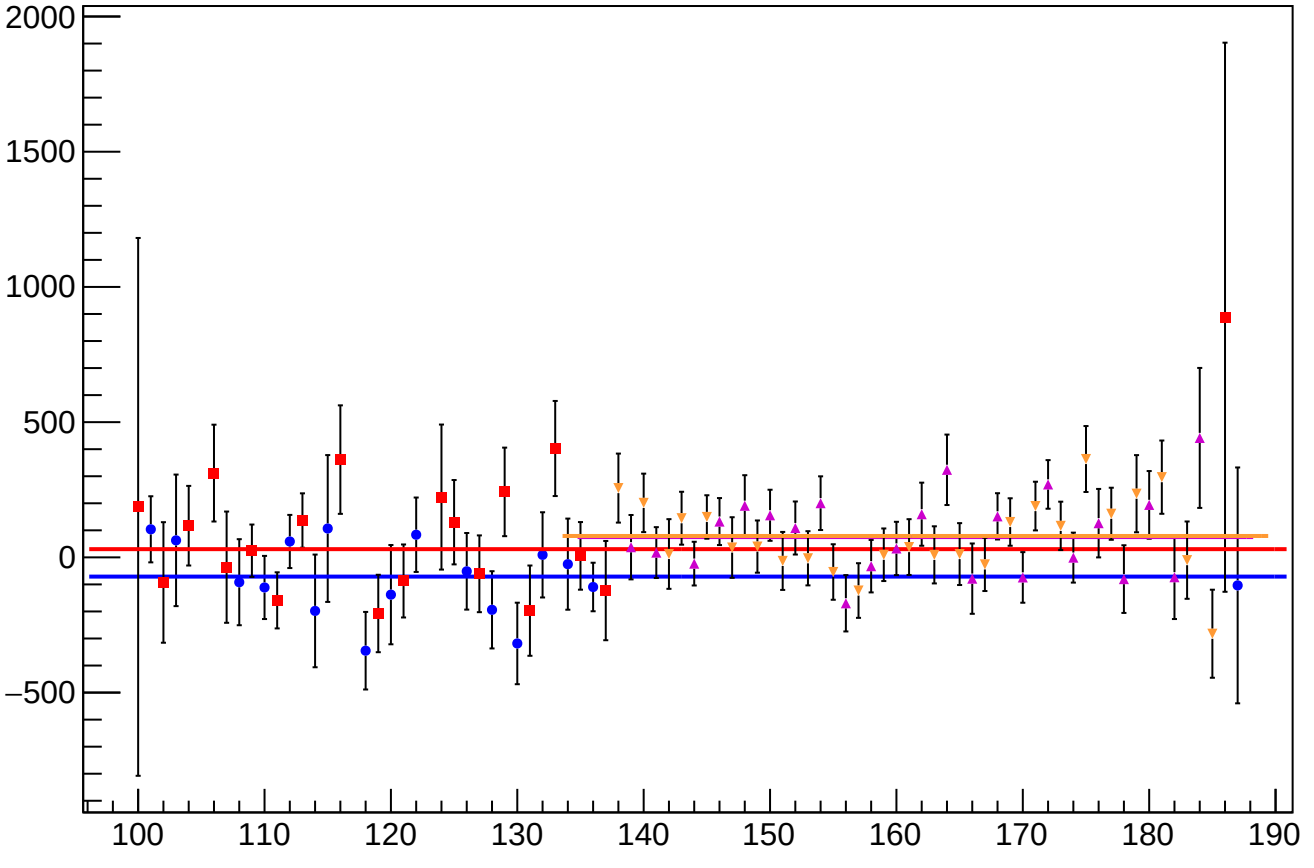
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3917655.5/36

In: 0.000+/-0.000 χ^2/NDF:4619774.4/39

Out: 0.000+/-0.000 χ^2/NDF:5847704.8/44

All: 0.000+/-0.000 χ^2/NDF: 10574587.8/84



Right In: -71.103+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 30.386+/-34.224 χ^2/NDF: 24.7/19

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

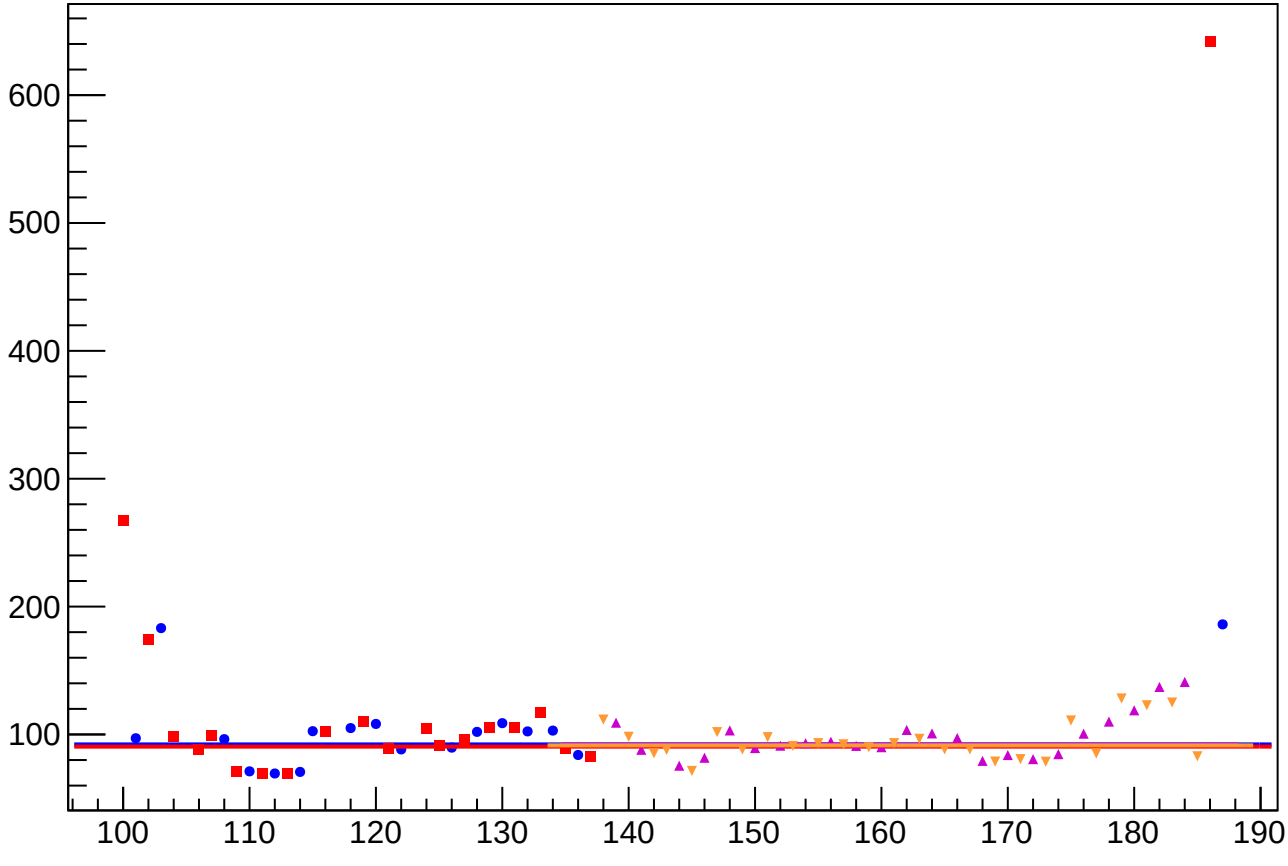
Right: -19.208+/-24.473 χ^2/NDF: 43.1/36

In: 34.112+/-18.528 χ^2/NDF:59.2/39

Out: 65.679+/-17.962 χ^2/NDF:58.2/44

All: 50.385+/-12.897 χ^2/NDF: 118.9/84

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 92.217+/-0.025 χ^2/NDF: 673972.3/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 90.482+/-0.024 χ^2/NDF: 1336907.3/19

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

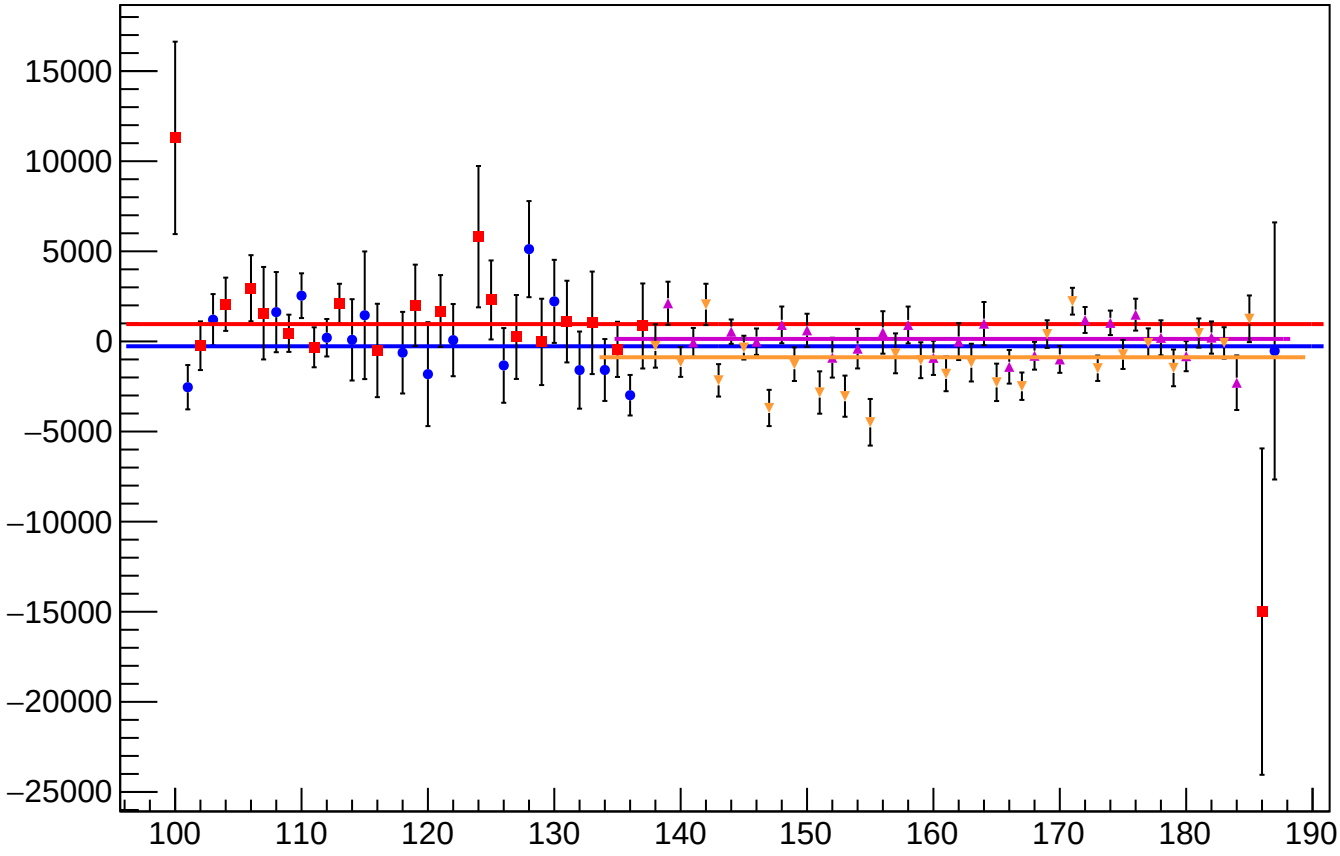
Right: 91.330+/-0.017 χ^2/NDF: 2013392.0/36

In: 92.133+/-0.013 χ^2/NDF:1373578.3/39

Out: 91.192+/-0.013 χ^2/NDF:2089309.2/44

All: 91.648+/-0.009 χ^2/NDF: 3465548.8/84

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -269.382+/-418.854 χ^2/NDF: 23.4/16

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 961.411+/-400.432 χ^2/NDF: 15.8/19

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

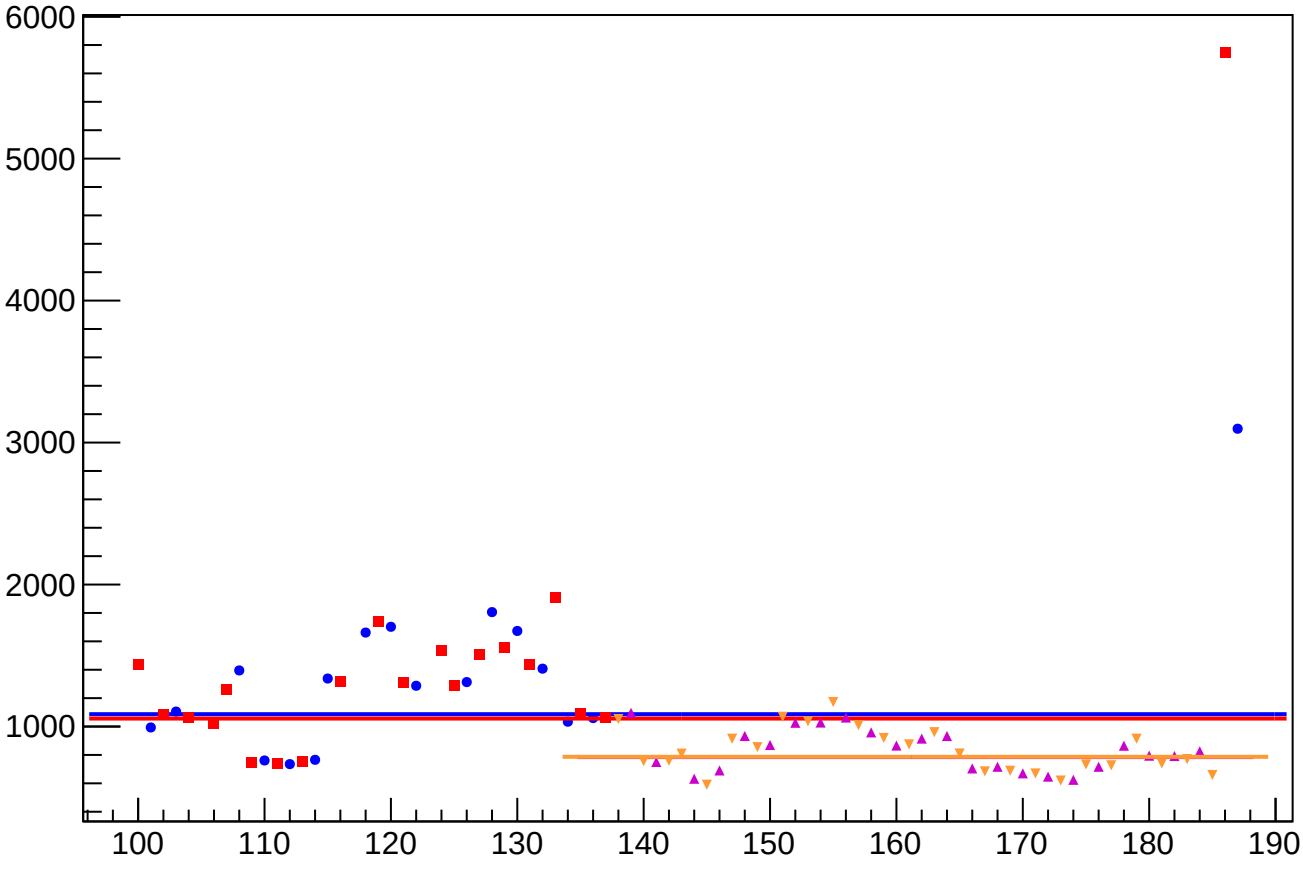
Right: 373.675+/-289.442 χ^2/NDF: 43.7/36

In: 71.159+/-170.430 χ^2/NDF:48.4/39

Out: -562.919+/-165.831 χ^2/NDF:101.0/44

All: -254.551+/-118.853 χ^2/NDF: 156.5/84

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1087.002+/-0.296 χ^2/NDF: 1212927.8/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1056.258+/-0.283 χ^2/NDF: 1736331.2/19

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

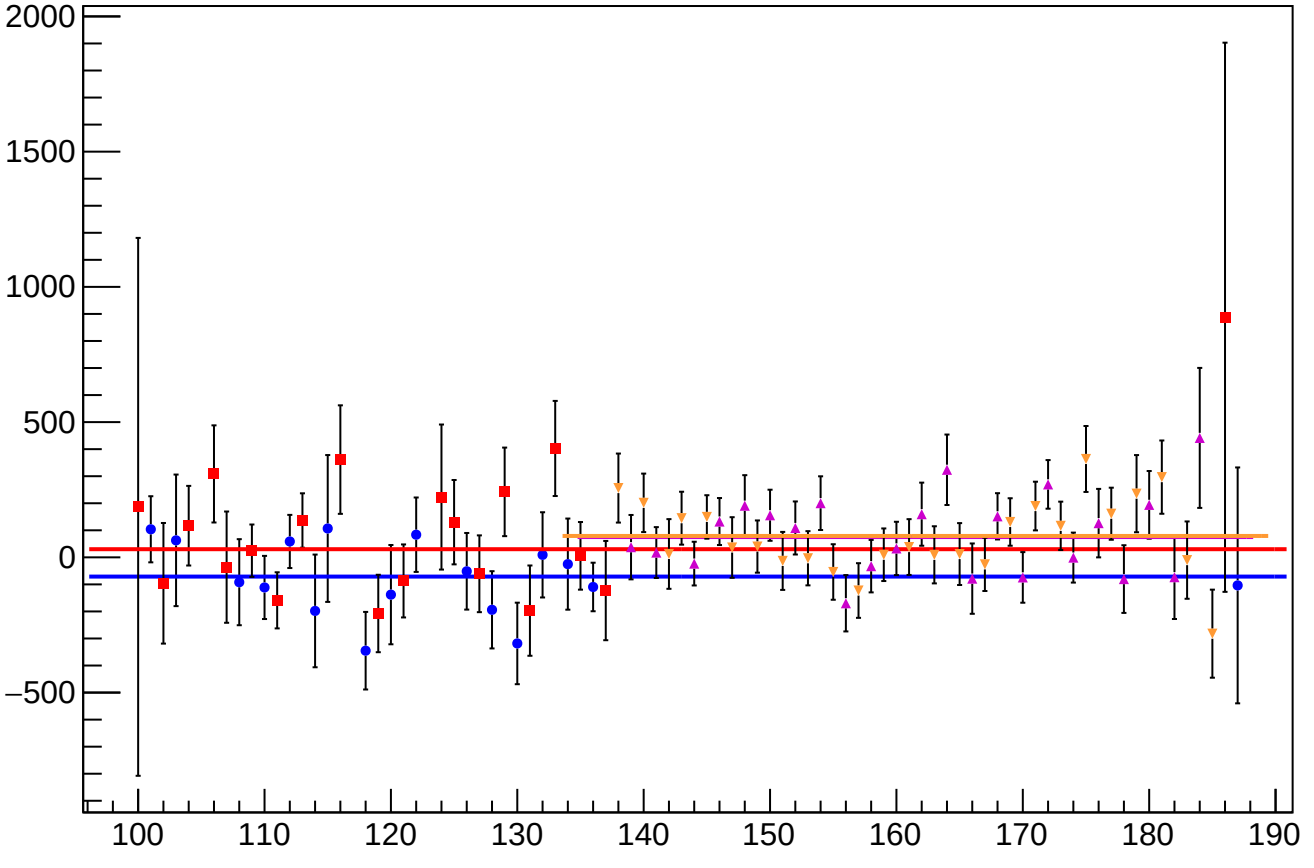
Right: 1070.939+/-0.205 χ^2/NDF: 2954888.8/36

In: 834.862+/-0.121 χ^2/NDF:3145231.6/39

Out: 832.978+/-0.117 χ^2/NDF:3697774.7/44

All: 833.894+/-0.084 χ^2/NDF: 6843131.7/84

cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -71.115+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 30.135+/-34.228 χ^2/NDF: 24.7/19

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

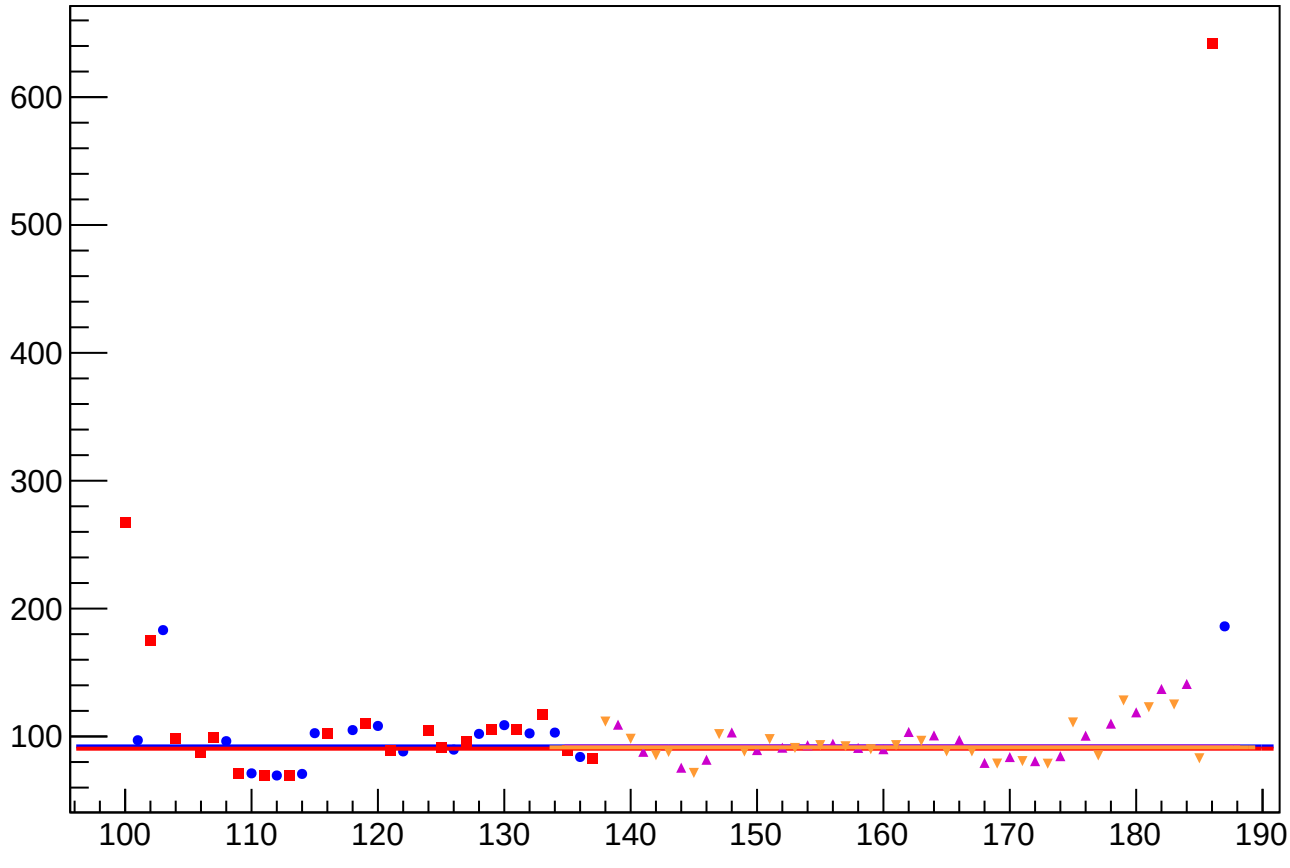
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -19.348+/-24.474 χ^2/NDF: 43.0/36

In: 34.109+/-18.528 χ^2/NDF:59.2/39

Out: 65.619+/-17.963 χ^2/NDF:58.1/44

All: 50.352+/-12.897 χ^2/NDF: 118.9/84



Right In: 92.217+/-0.025 χ^2/NDF: 673975.4/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 90.435+/-0.024 χ^2/NDF: 1337553.0/19

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

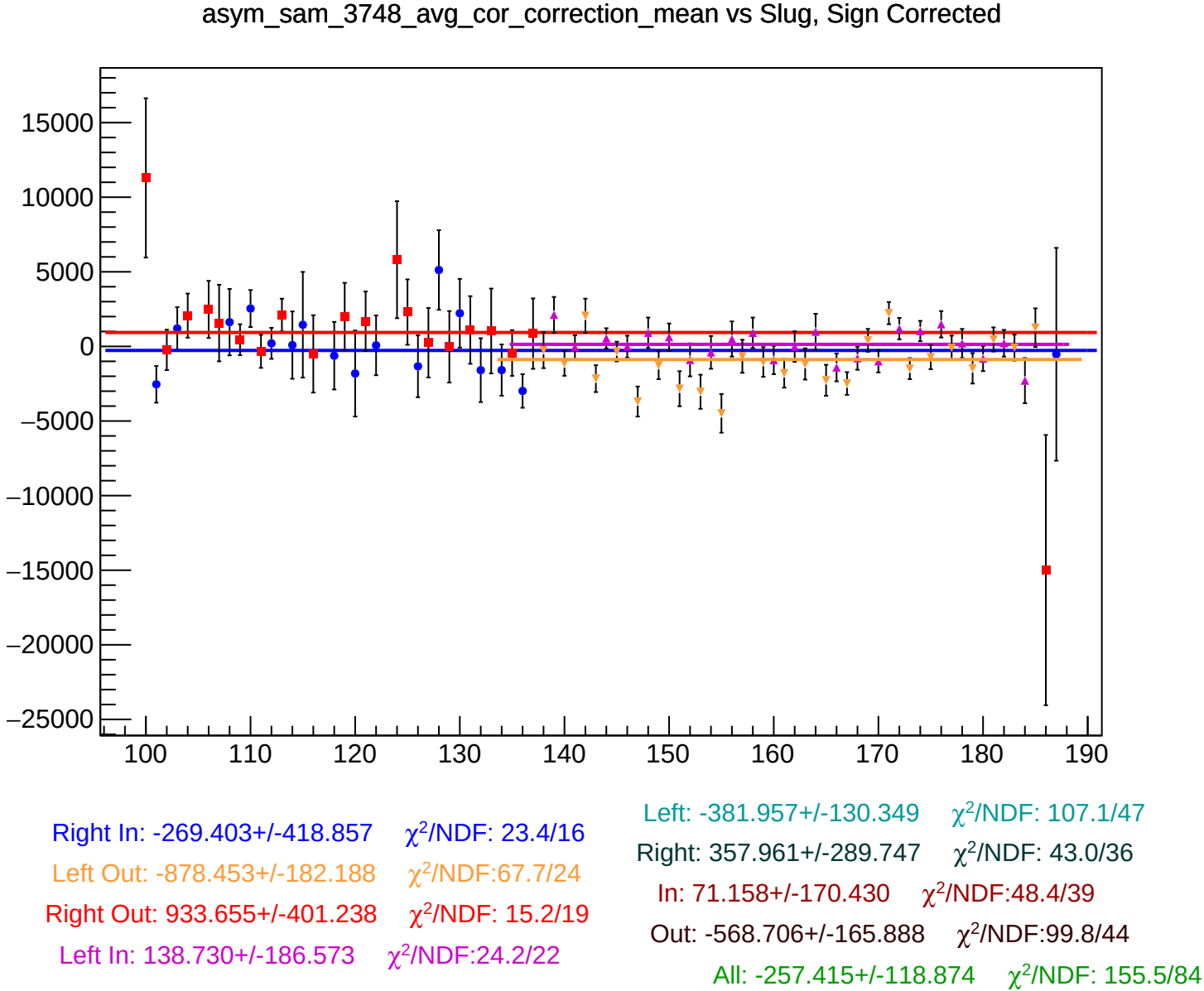
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 91.306+/-0.017 χ^2/NDF: 2014179.2/36

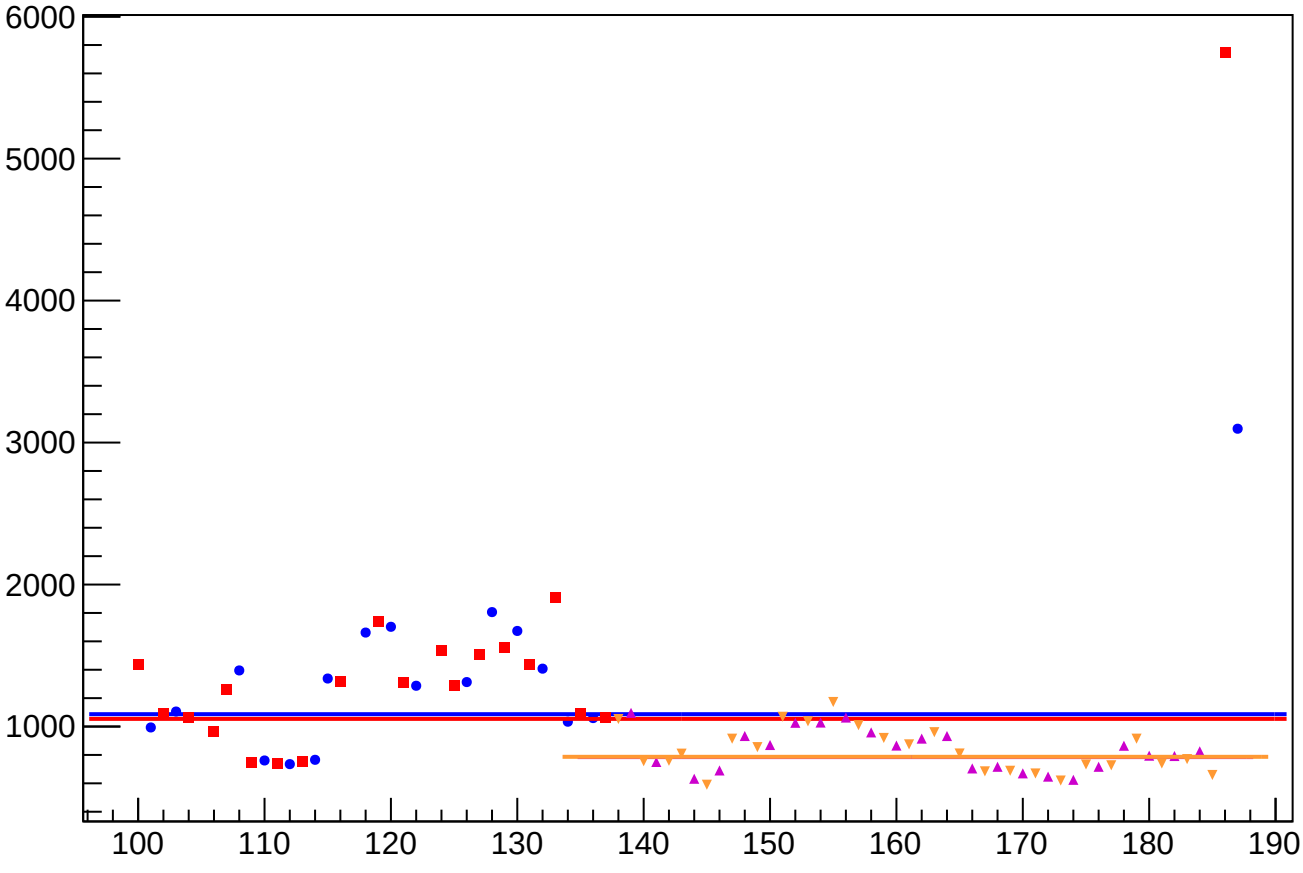
In: 92.133+/-0.013 χ^2/NDF:1373581.4/39

Out: 91.179+/-0.013 χ^2/NDF:2090072.1/44

All: 91.641+/-0.009 χ^2/NDF: 3466388.5/84


asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -269.403+/-418.857 χ²/NDF: 23.4/16
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 933.655+/-401.238 χ²/NDF: 15.2/19
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 357.961+/-289.747 χ²/NDF: 43.0/36
In: 71.158+/-170.430 χ²/NDF:48.4/39
Out: -568.706+/-165.888 χ²/NDF:99.8/44
All: -257.415+/-118.874 χ²/NDF: 155.5/84

asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1087.011+/-0.296 χ^2/NDF: 1212932.7/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1053.949+/-0.284 χ^2/NDF: 1740044.6/19

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

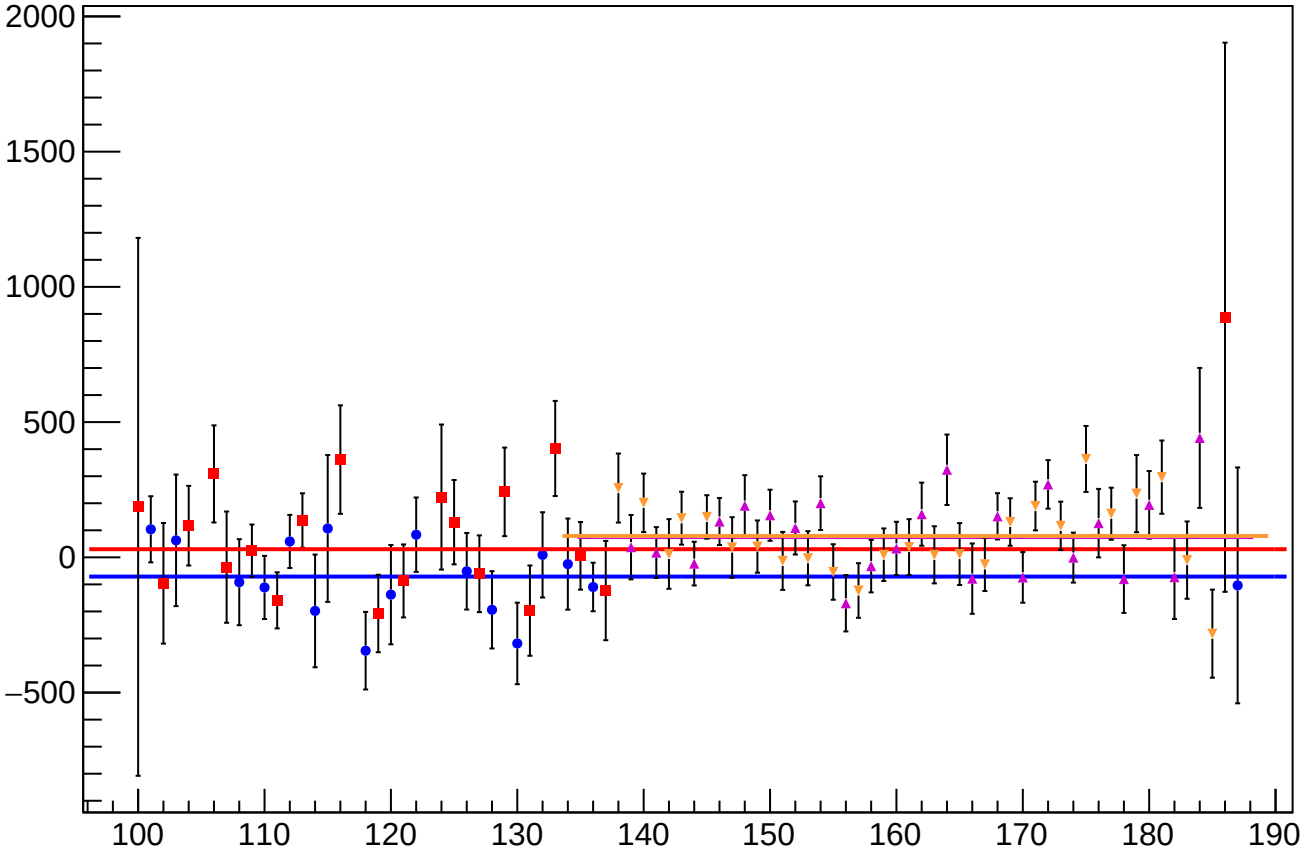
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1069.770+/-0.205 χ^2/NDF: 2959475.6/36

In: 834.863+/-0.121 χ^2/NDF:3145273.4/39

Out: 832.430+/-0.117 χ^2/NDF:3686225.5/44

All: 833.613+/-0.084 χ^2/NDF: 6831708.2/84



Right In: -71.115+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 30.135+/-34.228 χ^2/NDF: 24.7/19

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

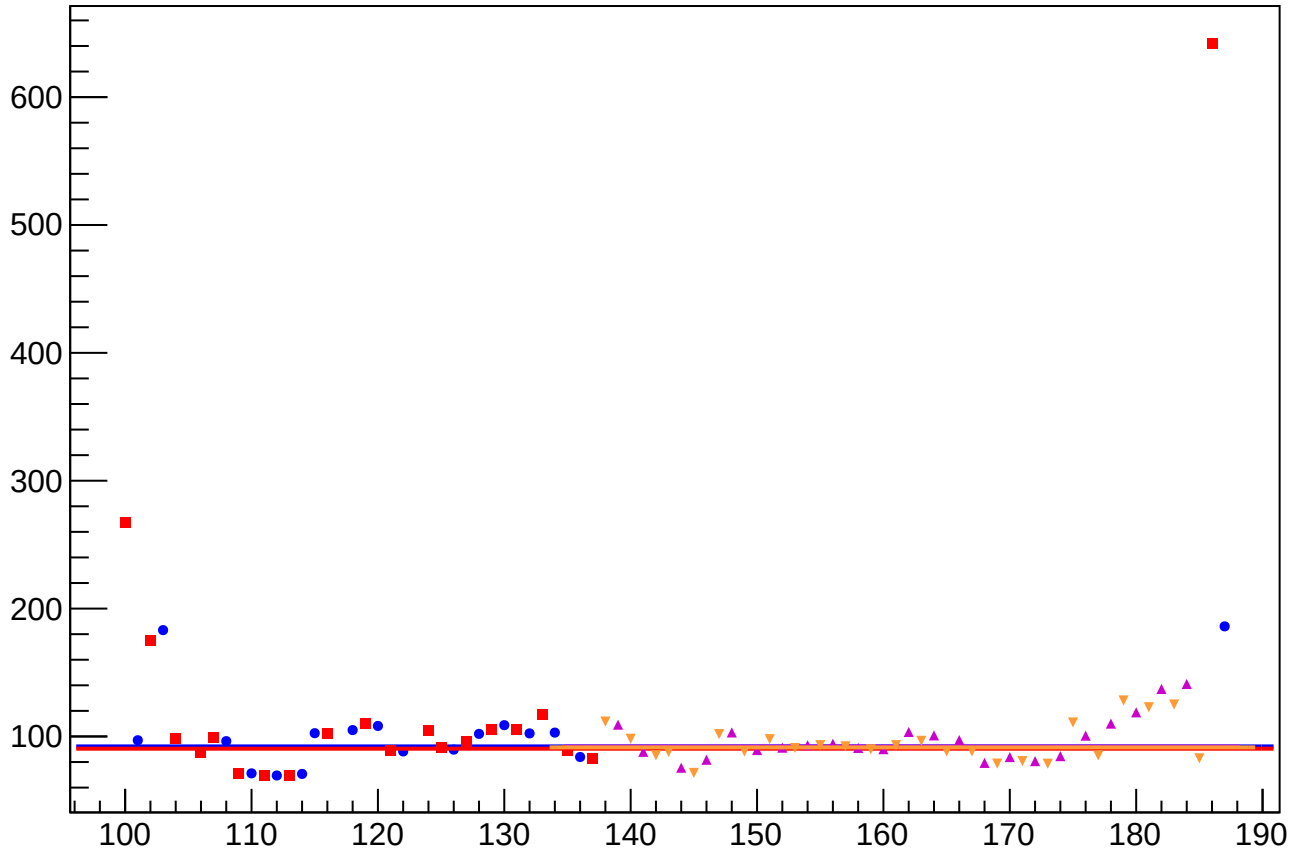
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -19.348+/-24.474 χ^2/NDF: 43.0/36

In: 34.109+/-18.528 χ^2/NDF:59.2/39

Out: 65.619+/-17.963 χ^2/NDF:58.1/44

All: 50.352+/-12.897 χ^2/NDF: 118.9/84



Right In: 92.217+/-0.025 χ^2/NDF: 673975.4/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 90.435+/-0.024 χ^2/NDF: 1337553.0/19

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

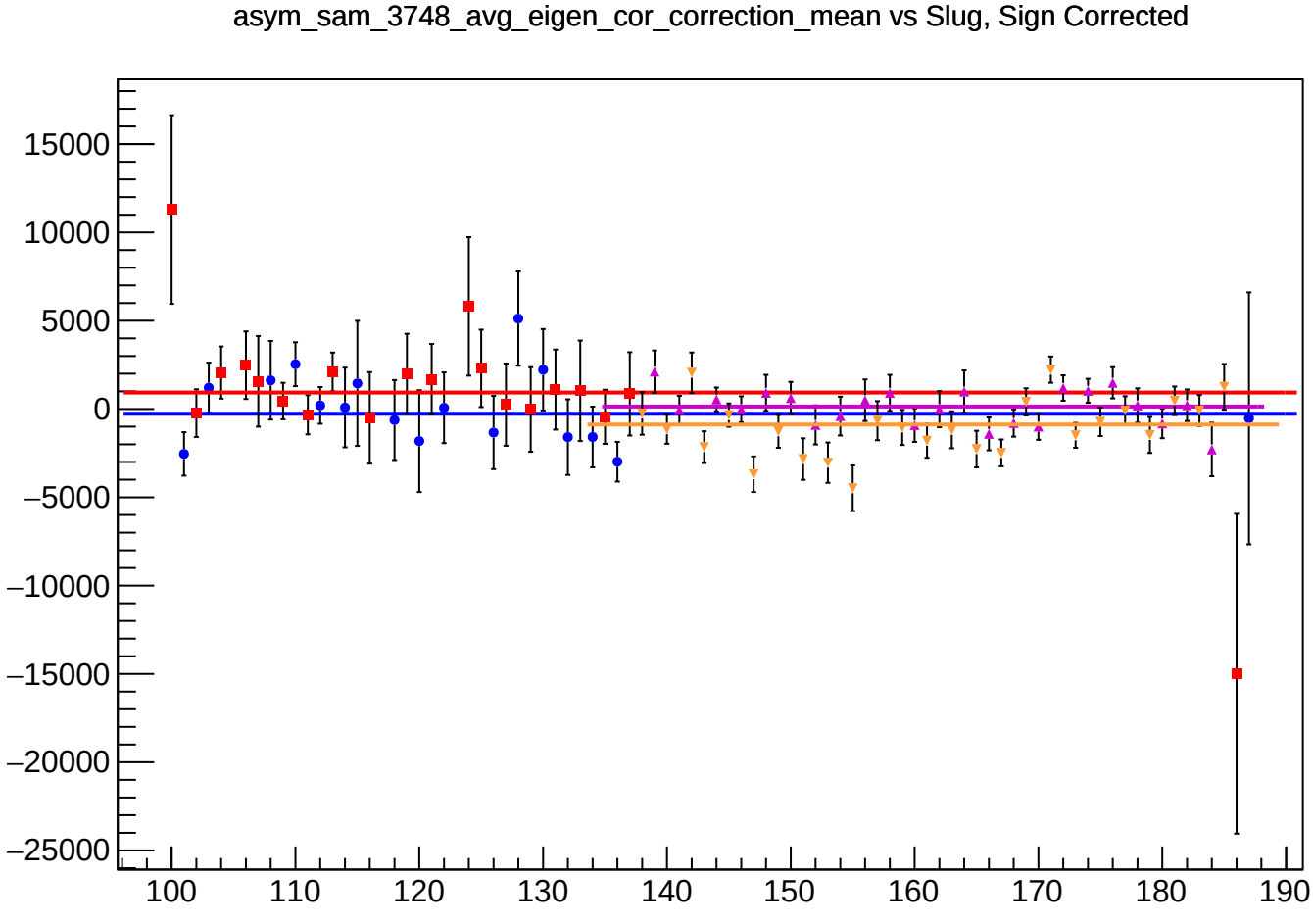
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 91.306+/-0.017 χ^2/NDF: 2014179.2/36

In: 92.133+/-0.013 χ^2/NDF:1373581.4/39

Out: 91.179+/-0.013 χ^2/NDF:2090072.1/44

All: 91.641+/-0.009 χ^2/NDF: 3466388.5/84



Right In: -269.403+/-418.857 χ^2/NDF: 23.4/16

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 933.655+/-401.238 χ^2/NDF: 15.2/19

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

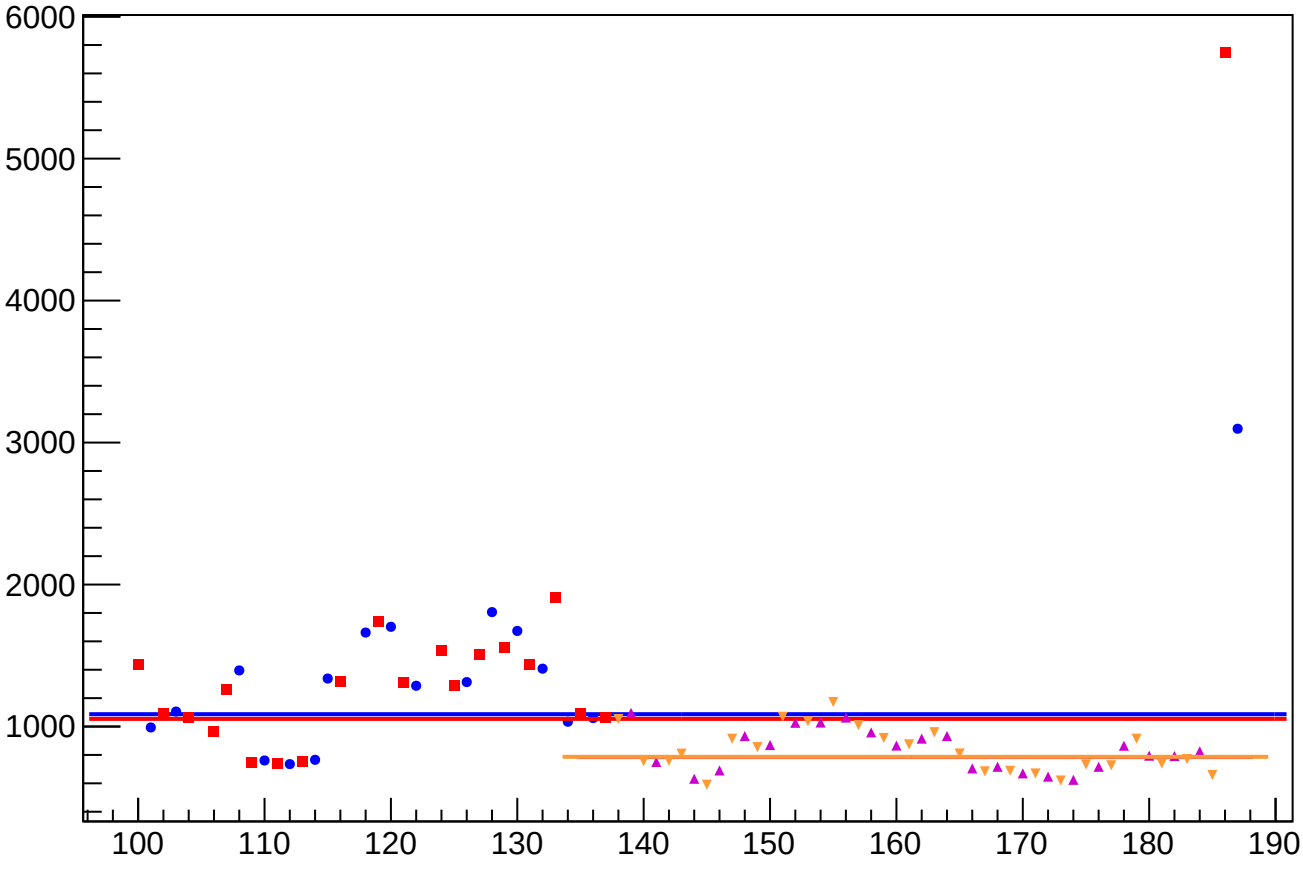
Right: 357.961+/-289.747 χ^2/NDF: 43.0/36

In: 71.158+/-170.430 χ^2/NDF:48.4/39

Out: -568.706+/-165.888 χ^2/NDF:99.8/44

All: -257.415+/-118.874 χ^2/NDF: 155.5/84

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1087.011+/-0.296 χ^2/NDF: 1212932.7/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1053.949+/-0.284 χ^2/NDF: 1740044.6/19

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

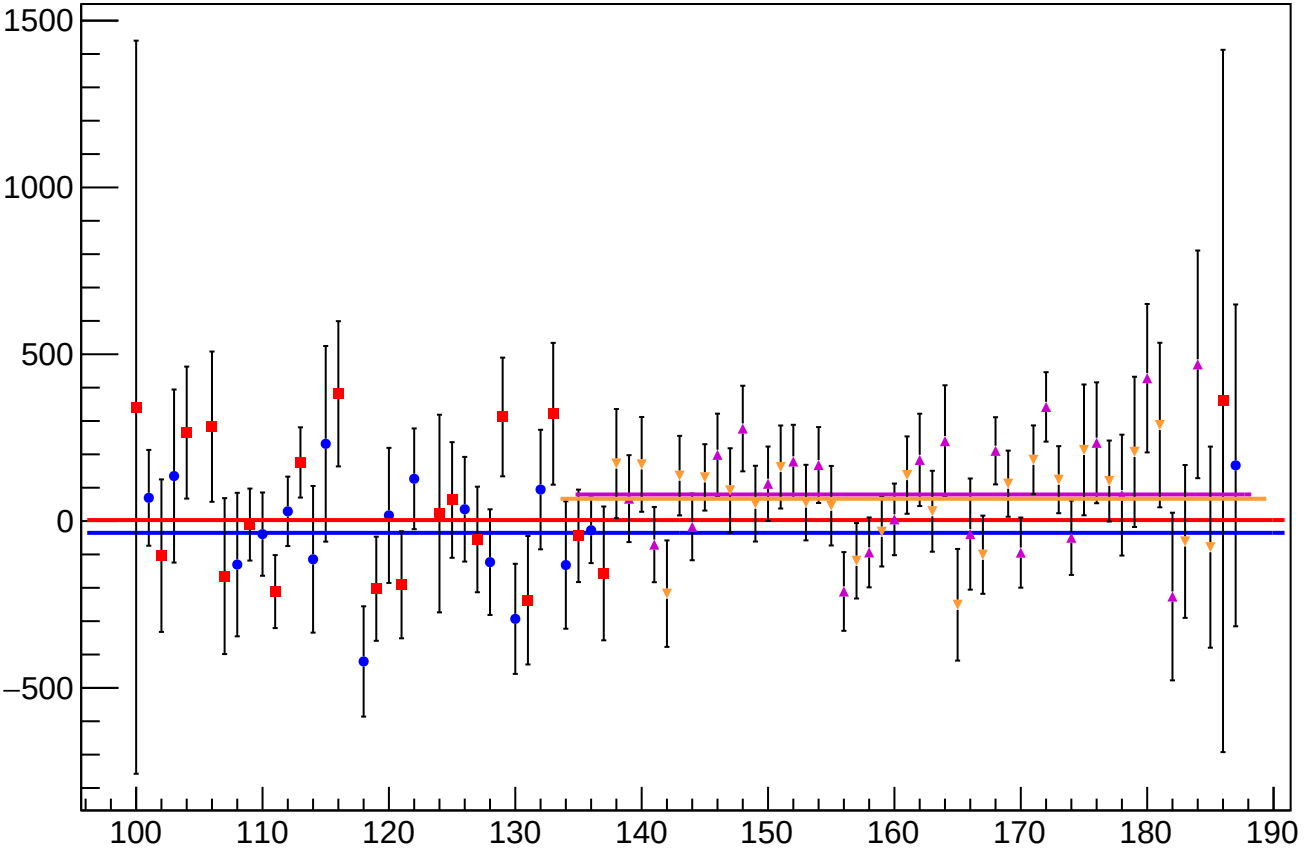
Right: 1069.770+/-0.205 χ^2/NDF: 2959475.6/36

In: 834.863+/-0.121 χ^2/NDF:3145273.4/39

Out: 832.430+/-0.117 χ^2/NDF:3686225.5/44

All: 833.613+/-0.084 χ^2/NDF: 6831708.2/84

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -35.268+/-38.864 χ^2/NDF: 13.1/16

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 3.037+/-38.140 χ^2/NDF: 24.9/19

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

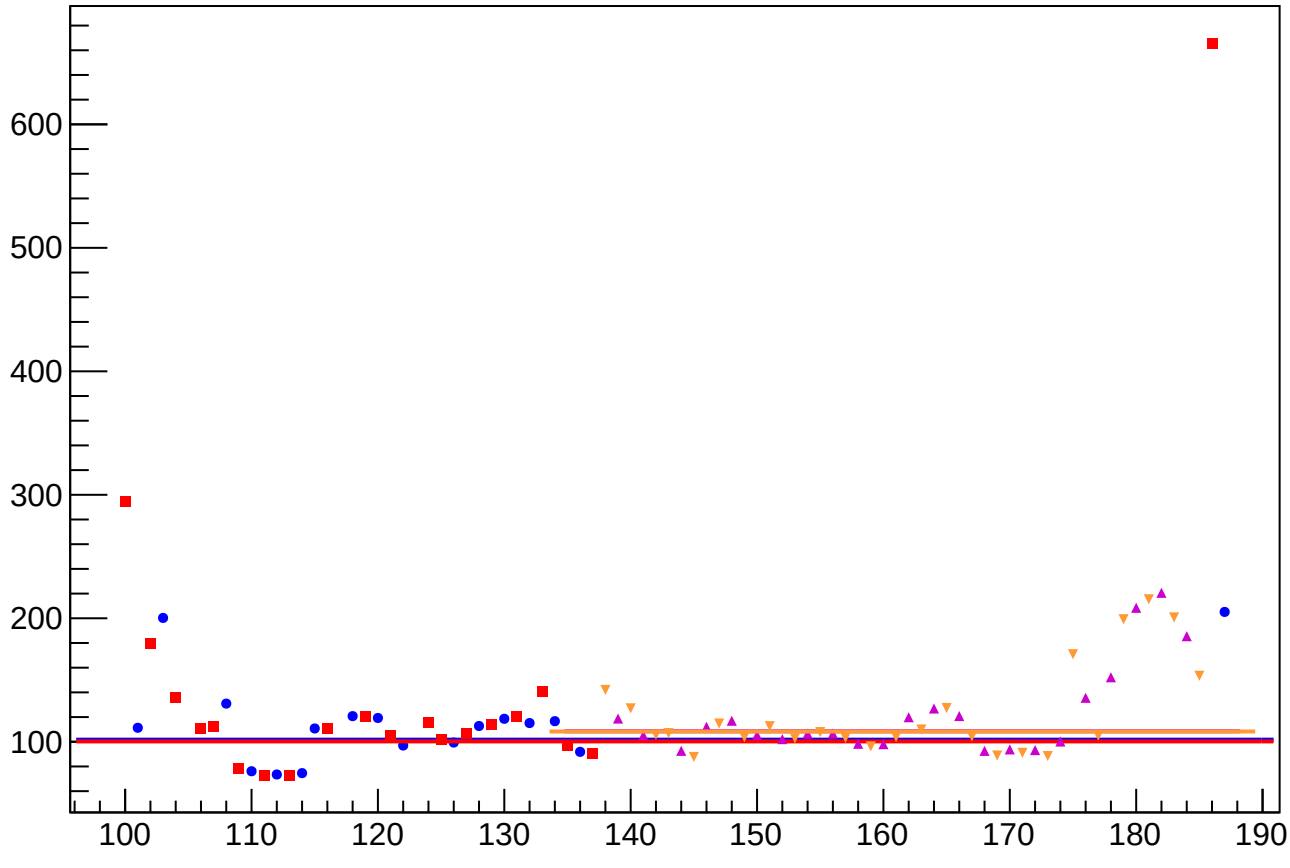
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -15.755+/-27.221 χ^2/NDF: 38.4/36

In: 43.636+/-21.781 χ^2/NDF:56.0/39

Out: 47.079+/-21.246 χ^2/NDF:46.4/44

All: 45.400+/-15.209 χ^2/NDF: 102.4/84



Right In: 101.707+/-0.027 χ^2/NDF: 808723.5/16

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 100.290+/-0.027 χ^2/NDF: 1457845.5/19

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

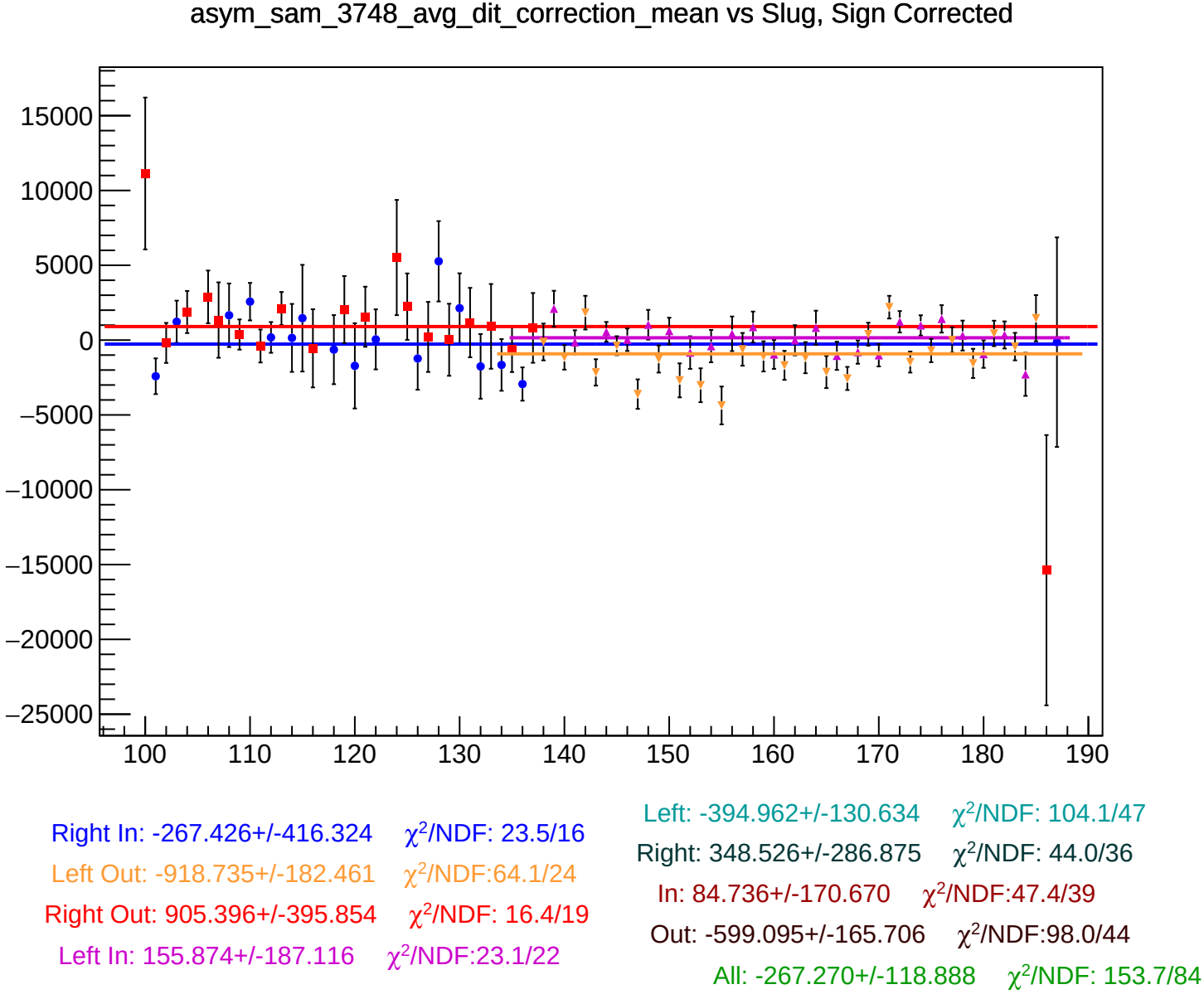
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 100.985+/-0.019 χ^2/NDF: 2267923.8/36

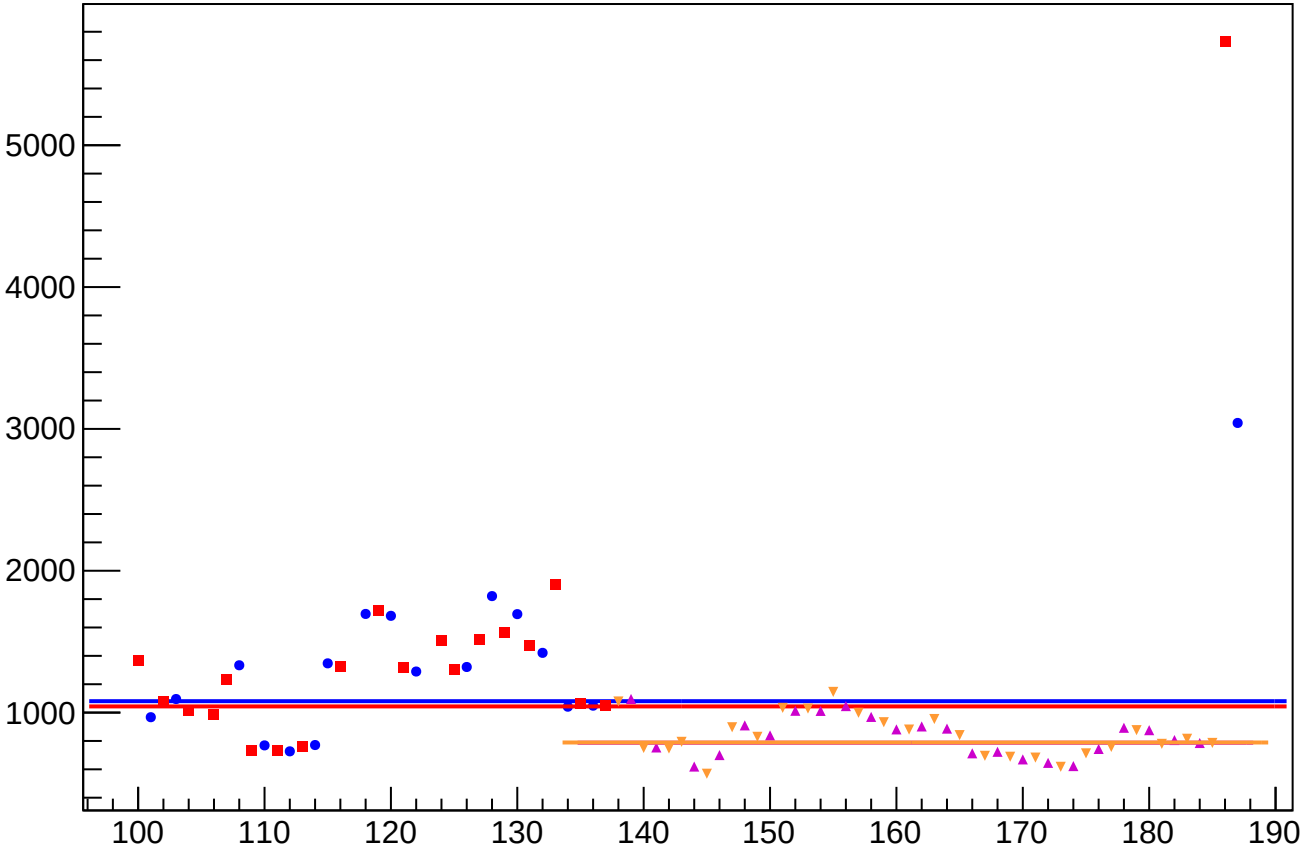
In: 106.361+/-0.015 χ^2/NDF:2229935.6/39

Out: 105.835+/-0.015 χ^2/NDF:3293741.8/44

All: 106.092+/-0.011 χ^2/NDF: 5524275.7/84


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -267.426+/-416.324 χ²/NDF: 23.5/16
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 905.396+/-395.854 χ²/NDF: 16.4/19
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 348.526+/-286.875 χ²/NDF: 44.0/36
In: 84.736+/-170.670 χ²/NDF:47.4/39
Out: -599.095+/-165.706 χ²/NDF:98.0/44
All: -267.270+/-118.888 χ²/NDF: 153.7/84

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1080.415+/-0.294 χ^2/NDF: 1234585.9/16

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1043.556+/-0.280 χ^2/NDF: 1769024.0/19

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

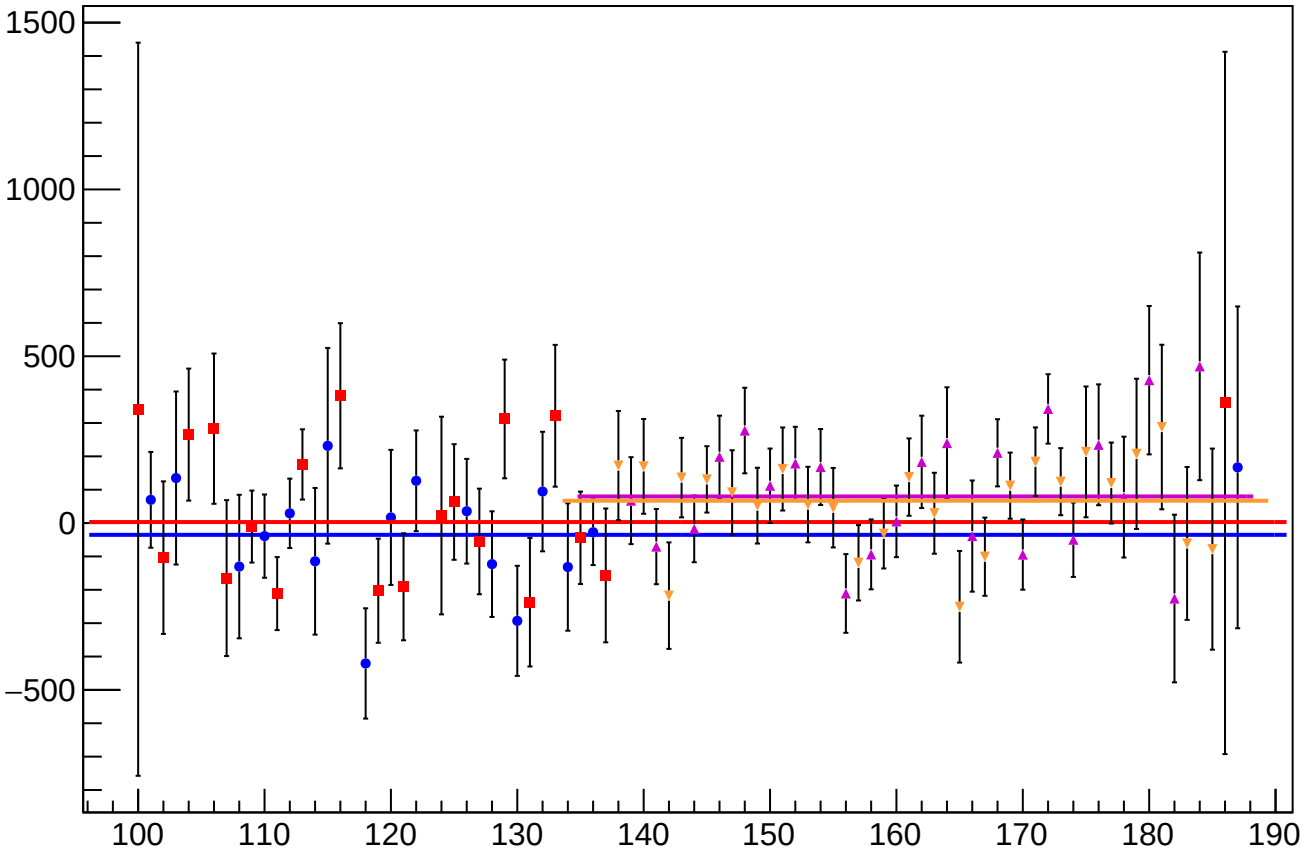
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1061.057+/-0.203 χ^2/NDF: 3011842.9/36

In: 836.634+/-0.121 χ^2/NDF:3100251.3/39

Out: 833.811+/-0.117 χ^2/NDF:3626606.7/44

All: 835.181+/-0.084 χ^2/NDF: 6727139.6/84



Right In: -35.267+/-38.864 χ^2/NDF: 13.1/16

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 3.035+/-38.140 χ^2/NDF: 24.9/19

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

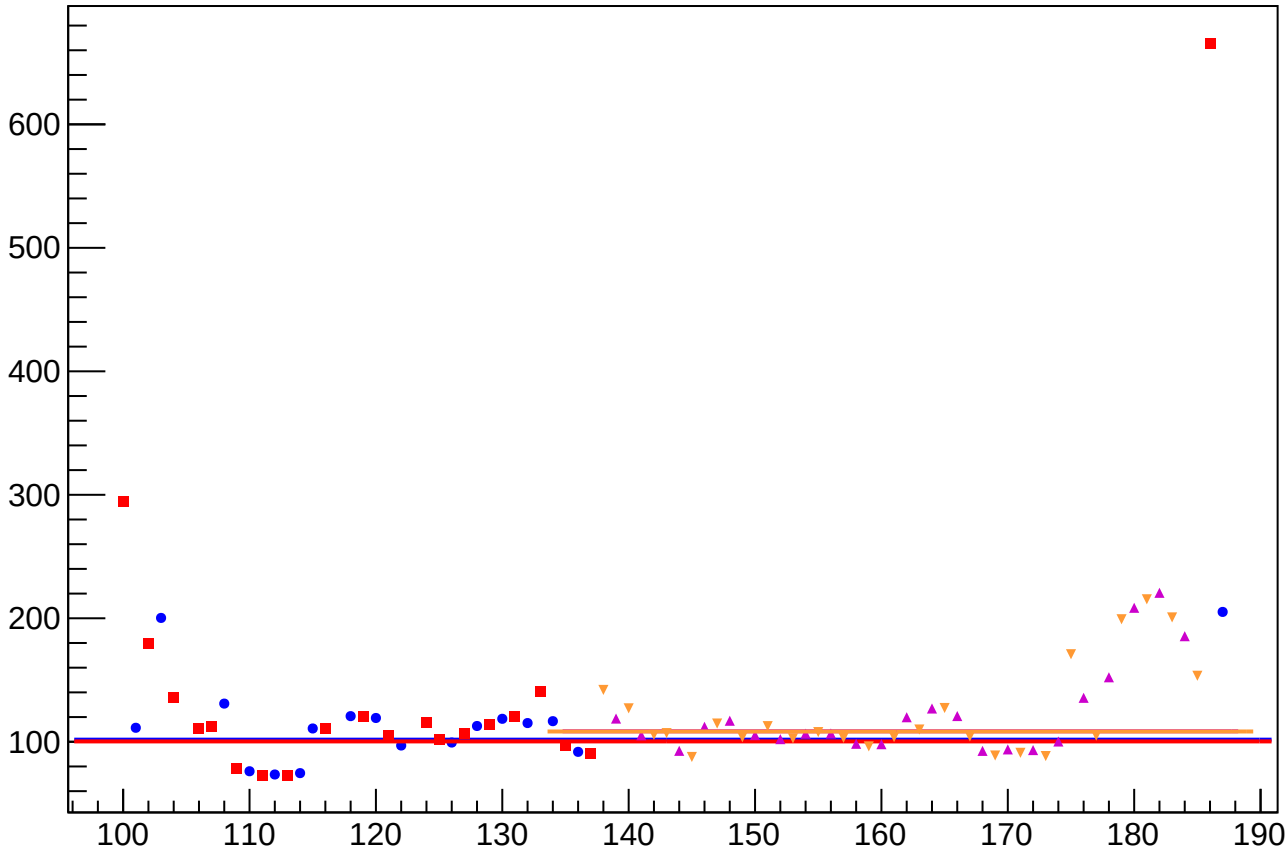
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -15.756+/-27.221 χ^2/NDF: 38.4/36

In: 43.636+/-21.781 χ^2/NDF:56.0/39

Out: 47.079+/-21.246 χ^2/NDF:46.4/44

All: 45.400+/-15.209 χ^2/NDF: 102.4/84



Right In: 101.707+/-0.027 χ^2/NDF: 808724.0/16

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 100.290+/-0.027 χ^2/NDF: 1457846.9/19

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

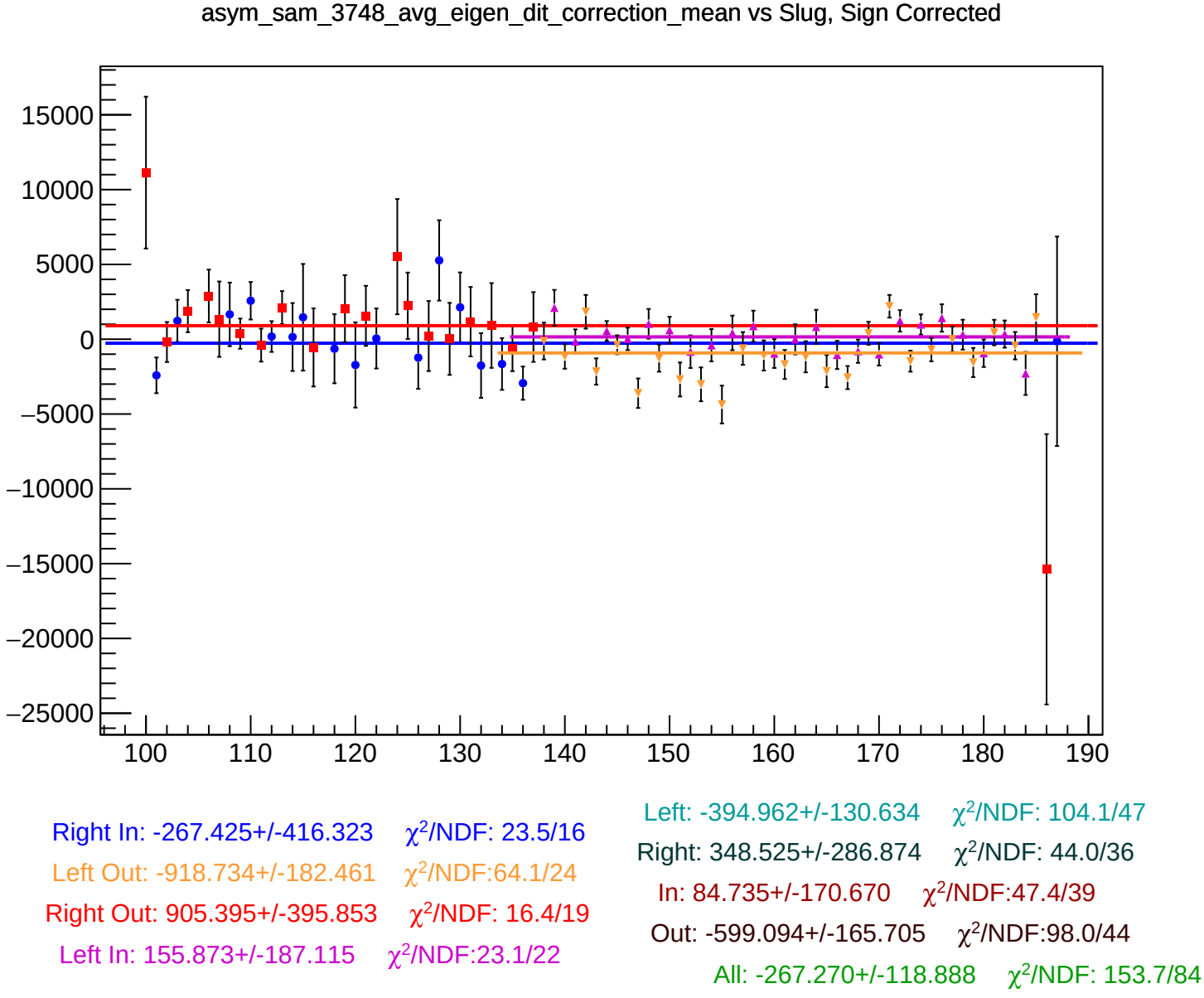
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

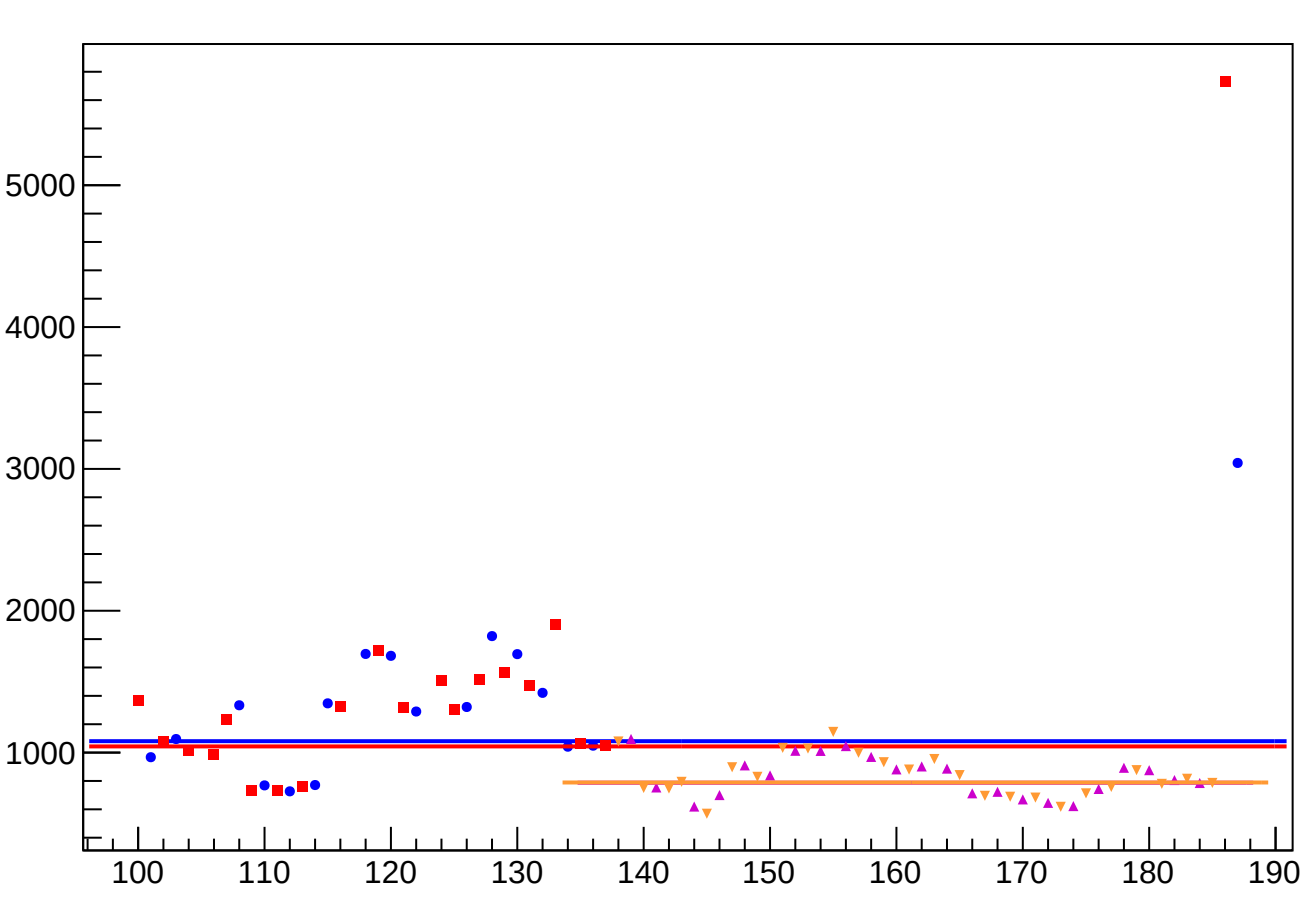
Right: 100.986+/-0.019 χ^2/NDF: 2267925.7/36

In: 106.362+/-0.015 χ^2/NDF:2229919.2/39

Out: 105.835+/-0.015 χ^2/NDF:3293740.5/44

All: 106.092+/-0.011 χ^2/NDF: 5524257.9/84


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -267.425+/-416.323 χ²/NDF: 23.5/16
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 905.395+/-395.853 χ²/NDF: 16.4/19
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 348.525+/-286.874 χ²/NDF: 44.0/36
In: 84.735+/-170.670 χ²/NDF:47.4/39
Out: -599.094+/-165.705 χ²/NDF:98.0/44
All: -267.270+/-118.888 χ²/NDF: 153.7/84



Right In: 1080.413+/-0.294 χ^2/NDF: 1234591.5/16

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1043.554+/-0.280 χ^2/NDF: 1769026.5/19

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

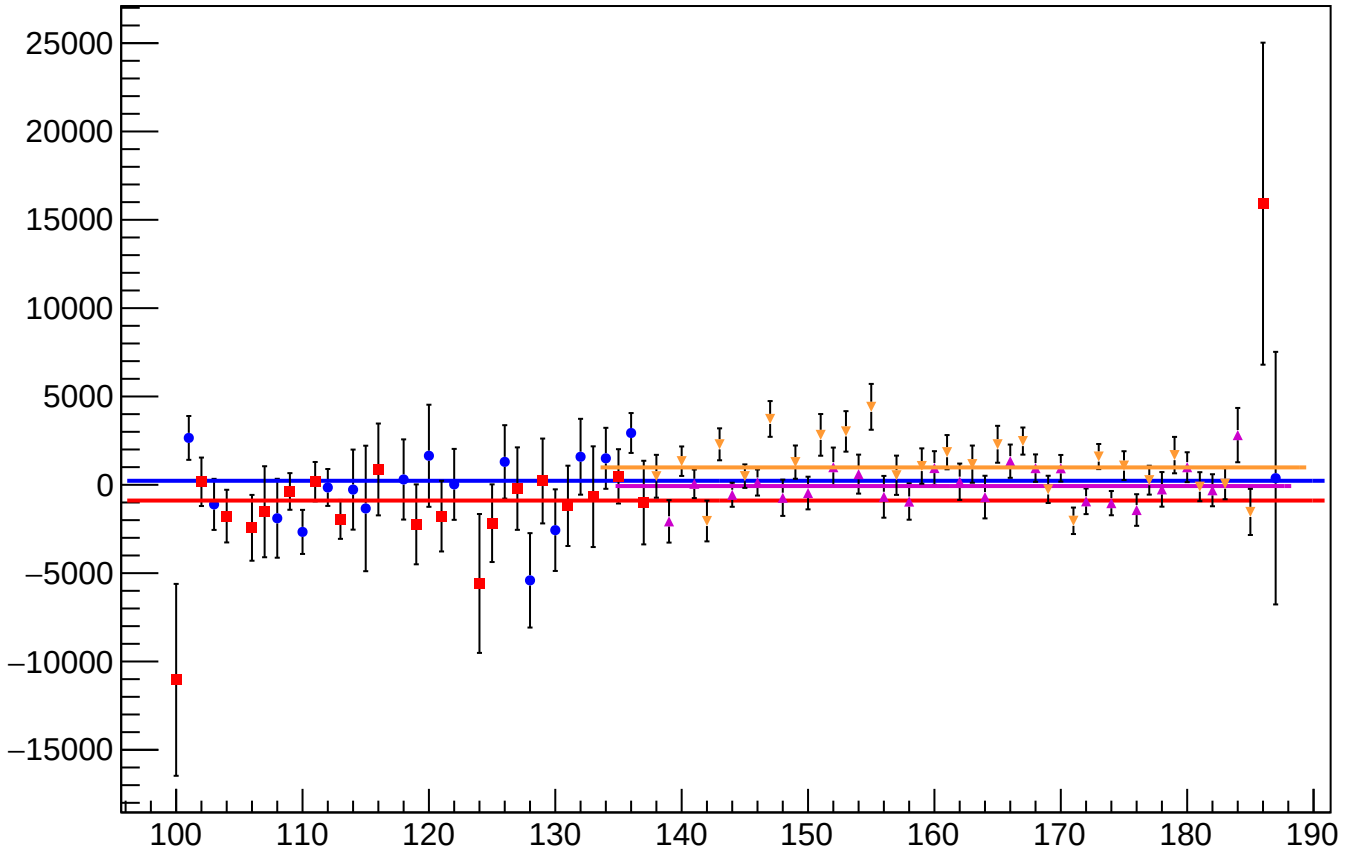
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1061.055+/-0.203 χ^2/NDF: 3011851.0/36

In: 836.633+/-0.121 χ^2/NDF:3100256.5/39

Out: 833.810+/-0.117 χ^2/NDF:3626612.6/44

All: 835.180+/-0.084 χ^2/NDF: 6727150.7/84



Right In: 228.023+/-421.105 χ^2/NDF: 24.4/16

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -890.775+/-402.708 χ^2/NDF: 14.6/19

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

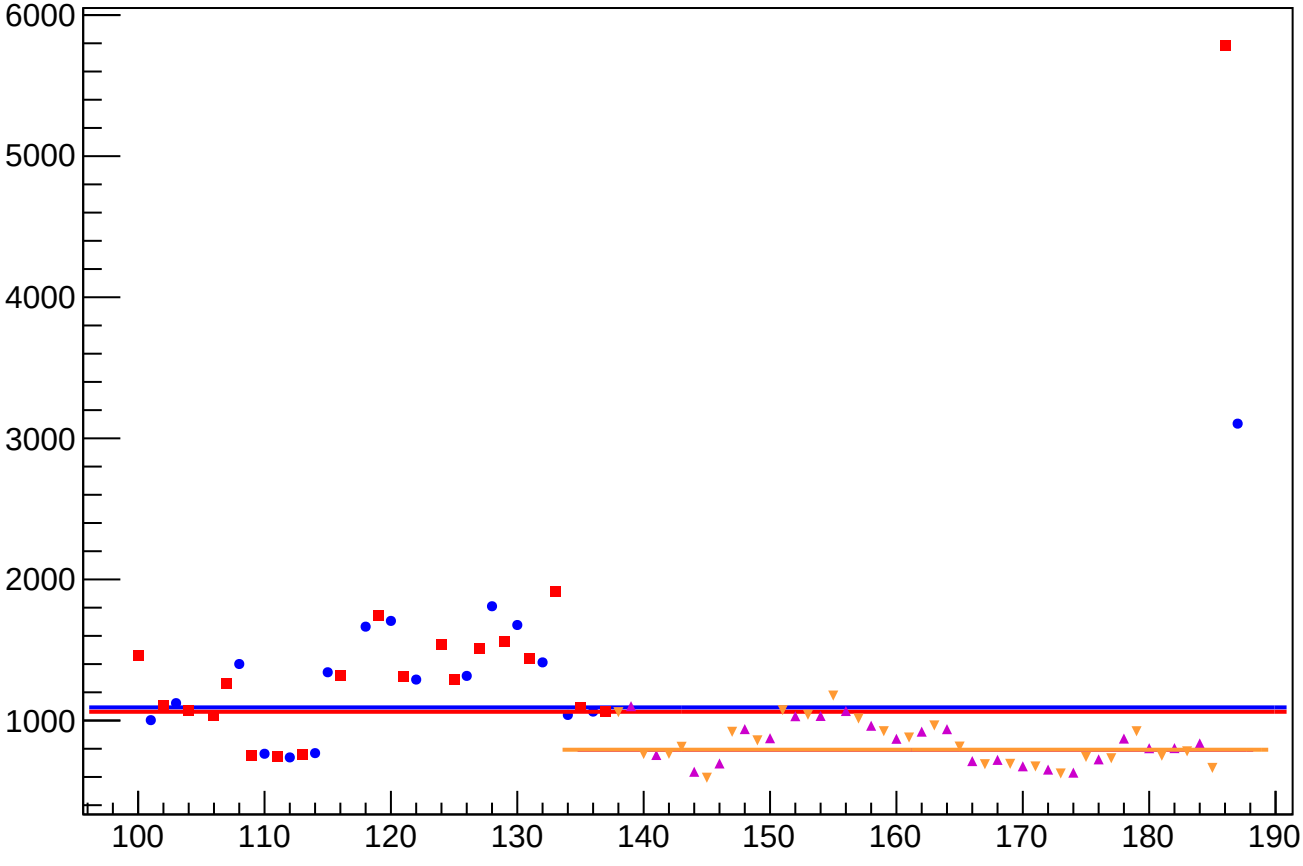
Right: -356.348+/-291.044 χ^2/NDF: 42.7/36

In: -20.530+/-171.696 χ^2/NDF:49.3/39

Out: 662.743+/-167.058 χ^2/NDF:96.3/44

All: 330.460+/-119.734 χ^2/NDF: 153.7/84

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1093.141+/-0.298 χ^2/NDF: 1206335.4/16

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1062.068+/-0.285 χ^2/NDF: 1732319.1/19

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

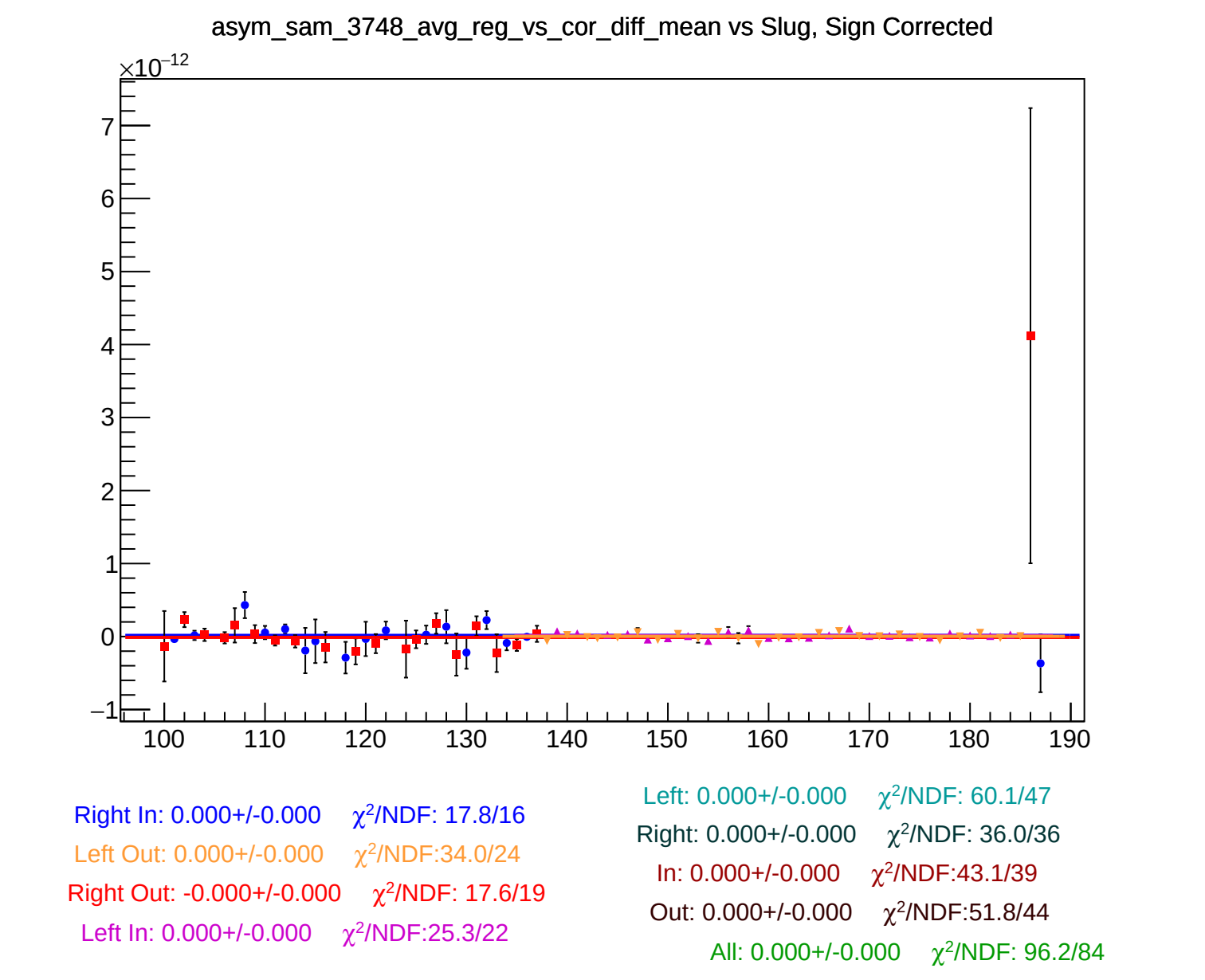
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1076.911+/-0.206 χ^2/NDF: 2944342.3/36

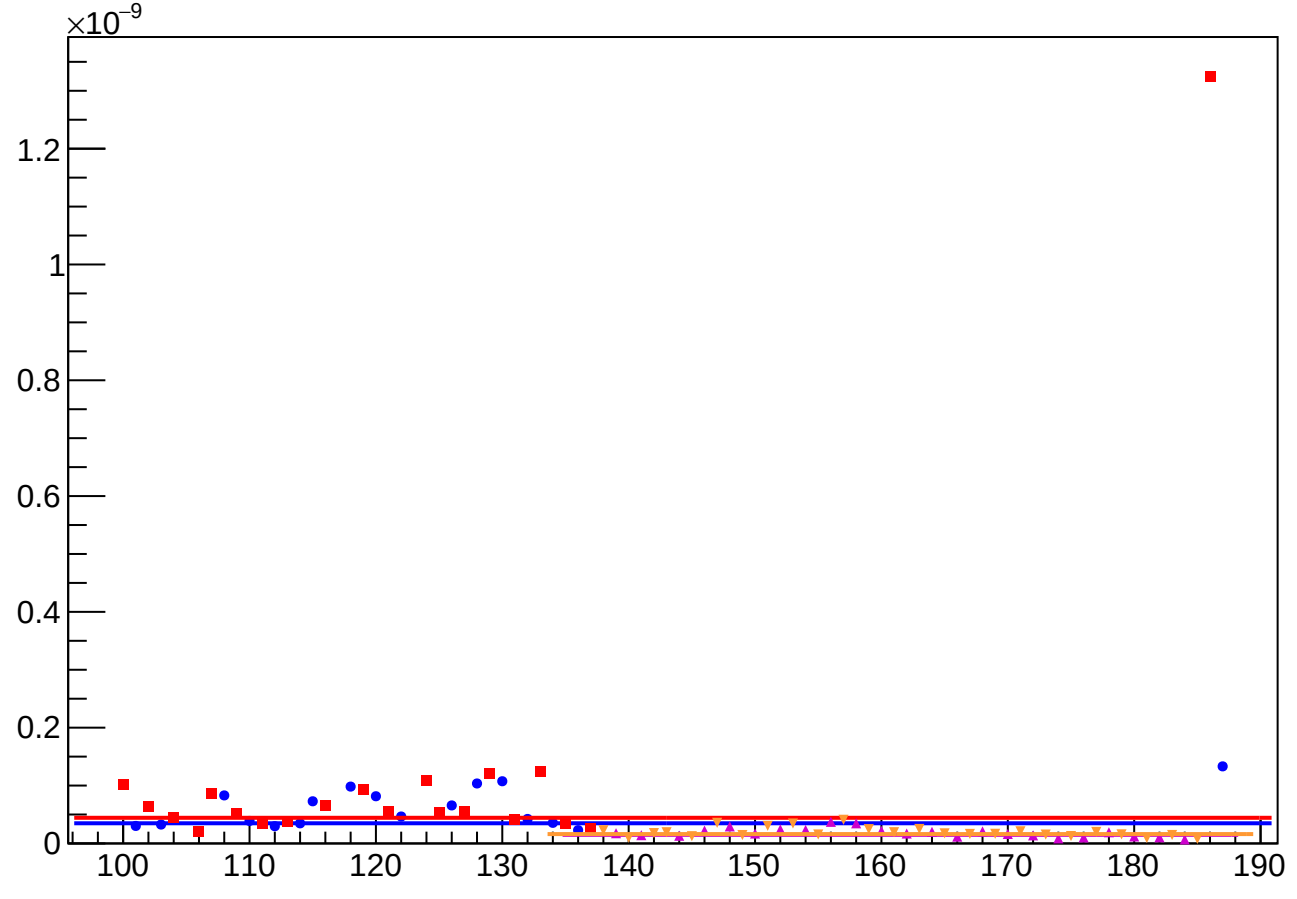
In: 841.358+/-0.121 χ^2/NDF:3112996.2/39

Out: 839.346+/-0.118 χ^2/NDF:3665202.8/44

All: 840.324+/-0.085 χ^2/NDF: 6778340.0/84


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
7
6
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.8/16
Left Out: 0.000+/-0.000 χ²/NDF:34.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.6/19
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 36.0/36
In: 0.000+/-0.000 χ²/NDF:43.1/39
Out: 0.000+/-0.000 χ²/NDF:51.8/44
All: 0.000+/-0.000 χ²/NDF: 96.2/84

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312937.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1410343.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

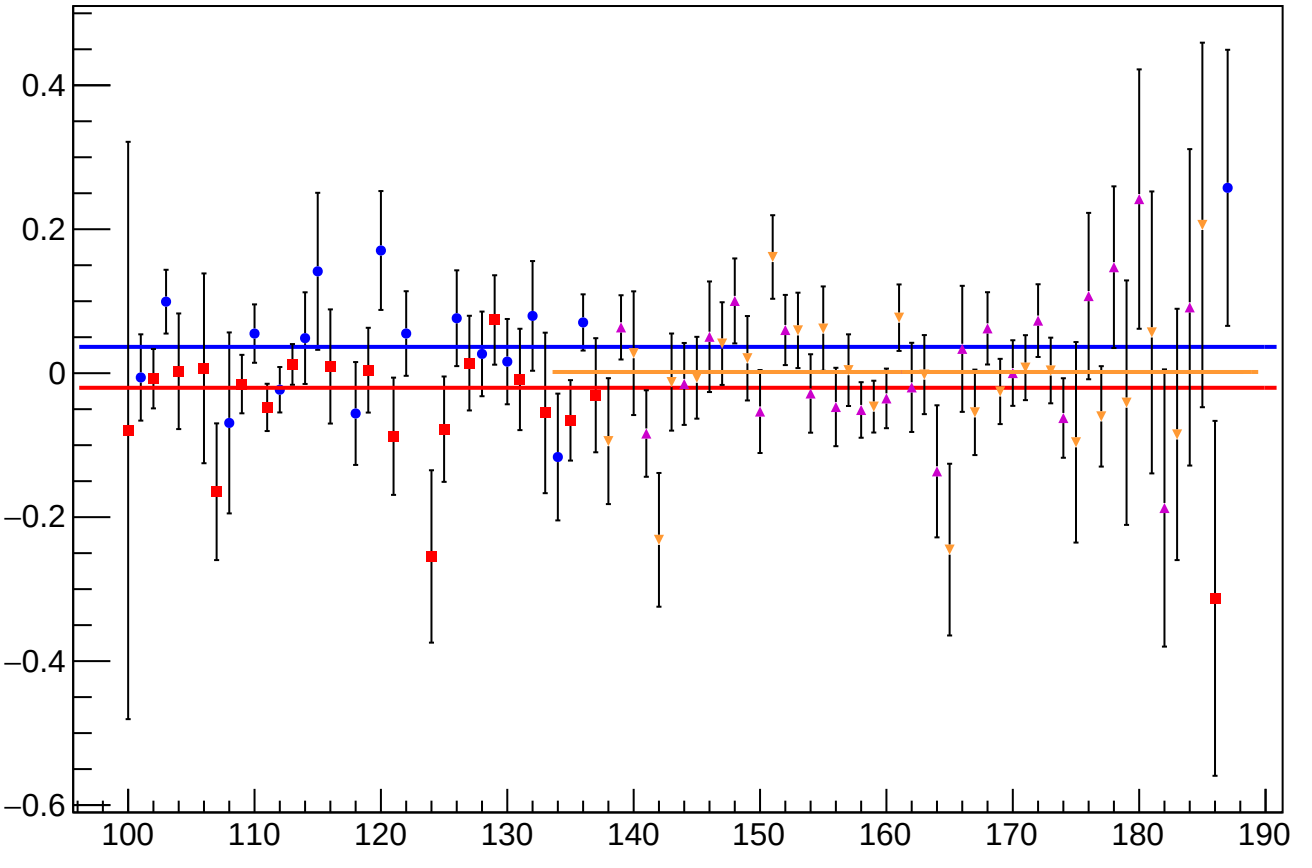
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 2873074.9/36

In: 0.000+/-0.000 χ^2/NDF:4523763.9/39

Out: 0.000+/-0.000 χ^2/NDF:5207000.4/44

All: 0.000+/-0.000 χ^2/NDF: 9772667.5/84



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

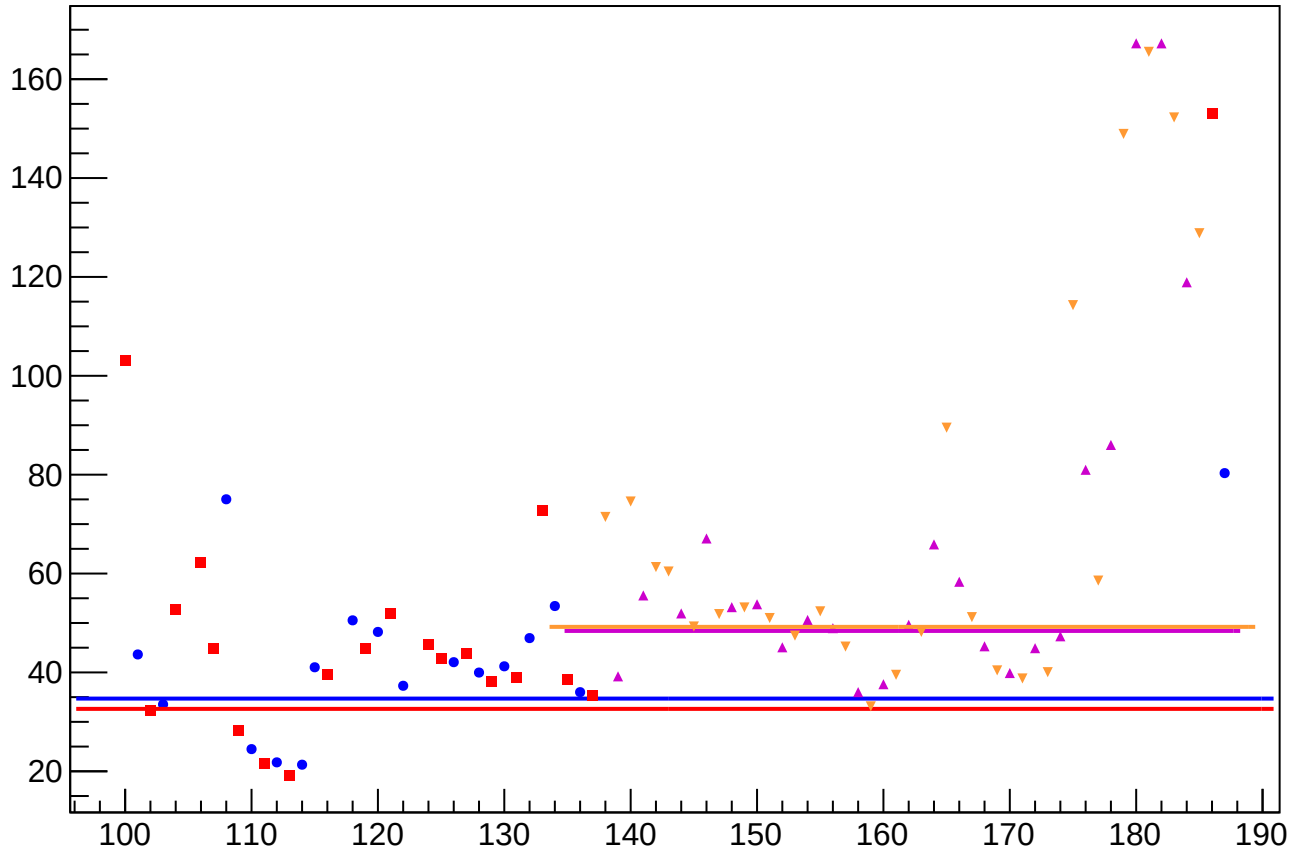
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.007+/-0.010 χ^2/NDF: 41.9/36

In: 0.017+/-0.009 χ^2/NDF:47.9/39

Out: -0.009+/-0.009 χ^2/NDF:46.7/44

All: 0.004+/-0.006 χ^2/NDF: 98.6/84



Right In: 34.707+/-0.010 χ^2/NDF: 1284906.3/16

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 32.626+/-0.009 χ^2/NDF: 2150792.1/19

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

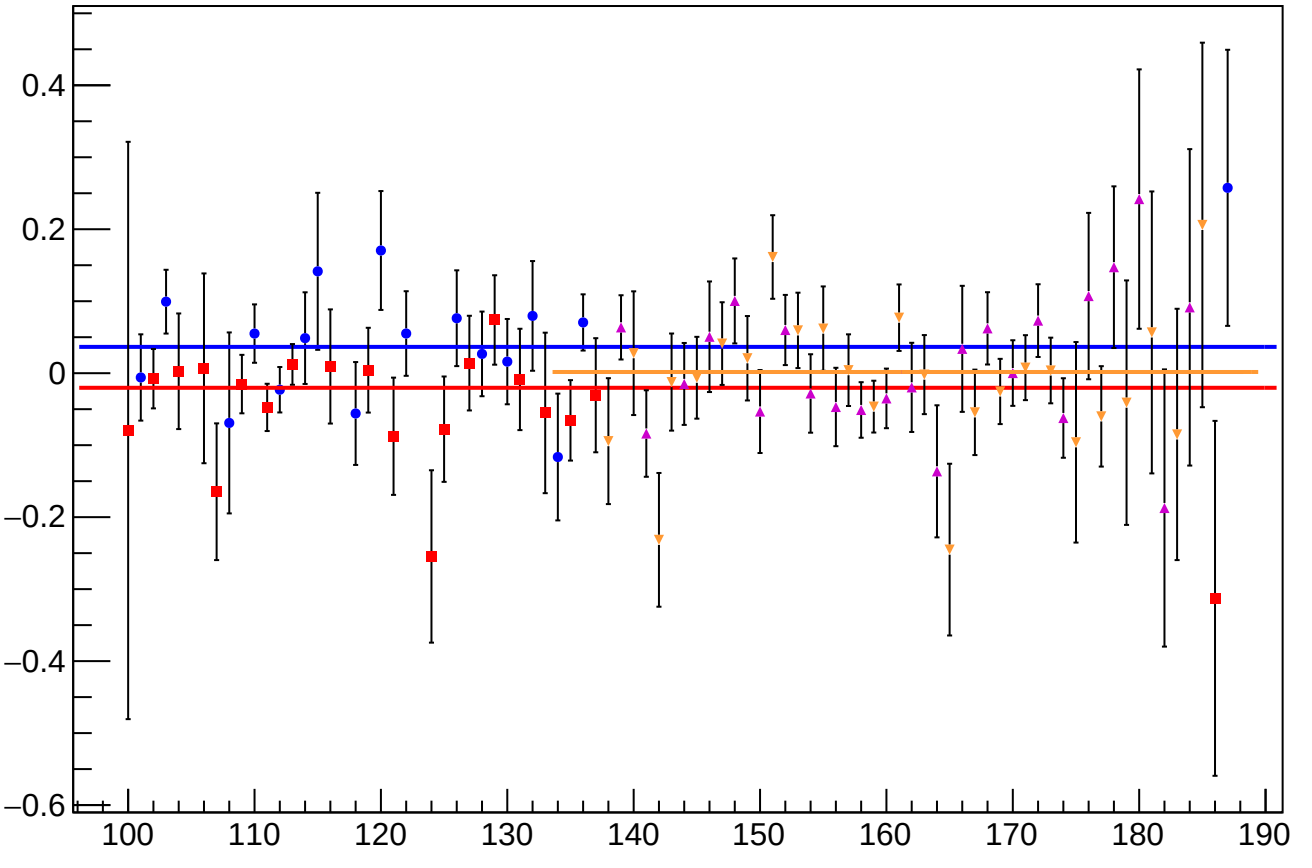
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 33.609+/-0.007 χ^2/NDF: 3459522.8/36

In: 42.322+/-0.007 χ^2/NDF:5403884.6/39

Out: 41.448+/-0.006 χ^2/NDF:8026975.6/44

All: 41.872+/-0.005 χ^2/NDF: 13440094.3/84



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

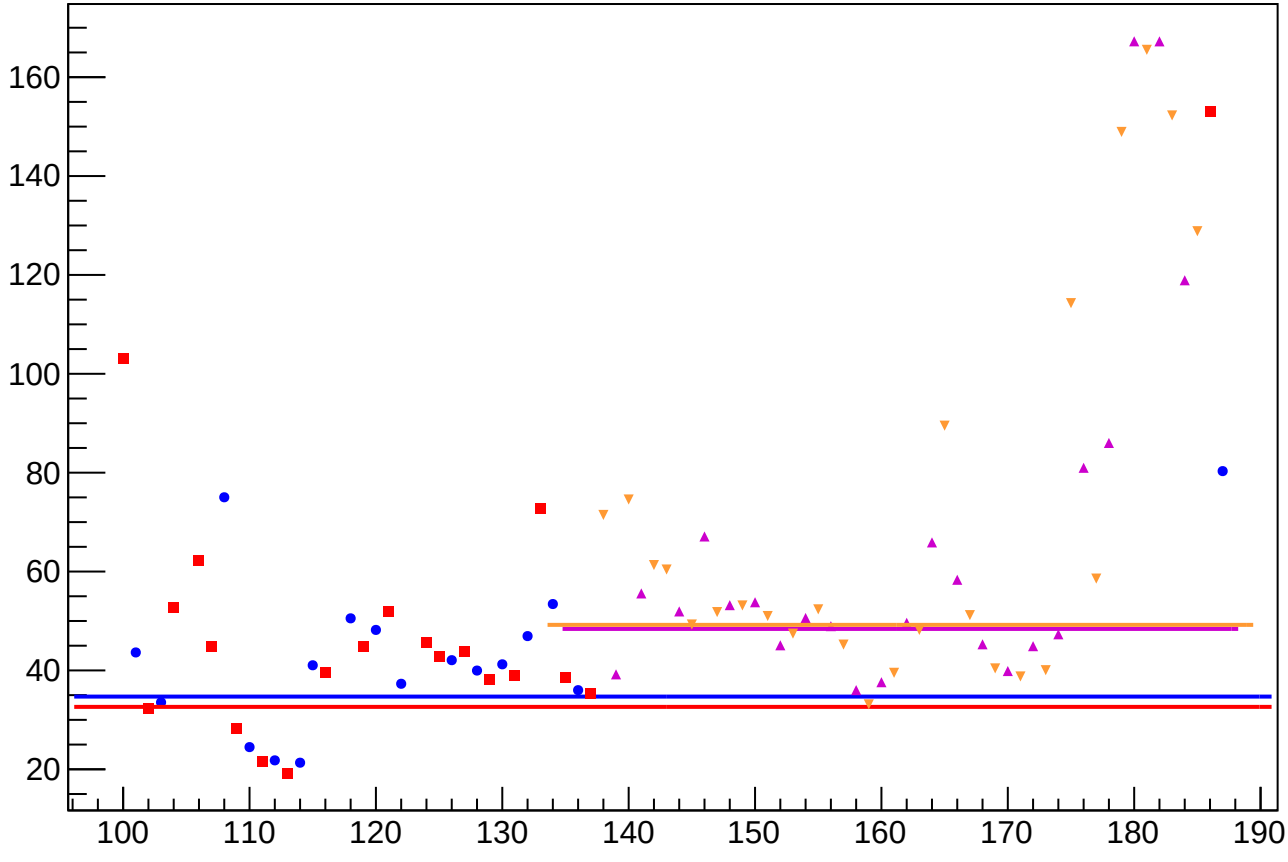
Right: 0.007+/-0.010 χ^2/NDF: 41.9/36

In: 0.017+/-0.009 χ^2/NDF:47.9/39

Out: -0.009+/-0.009 χ^2/NDF:46.7/44

All: 0.004+/-0.006 χ^2/NDF: 98.6/84

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.707+/-0.010 χ^2/NDF: 1284906.3/16

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 32.626+/-0.009 χ^2/NDF: 2150792.1/19

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

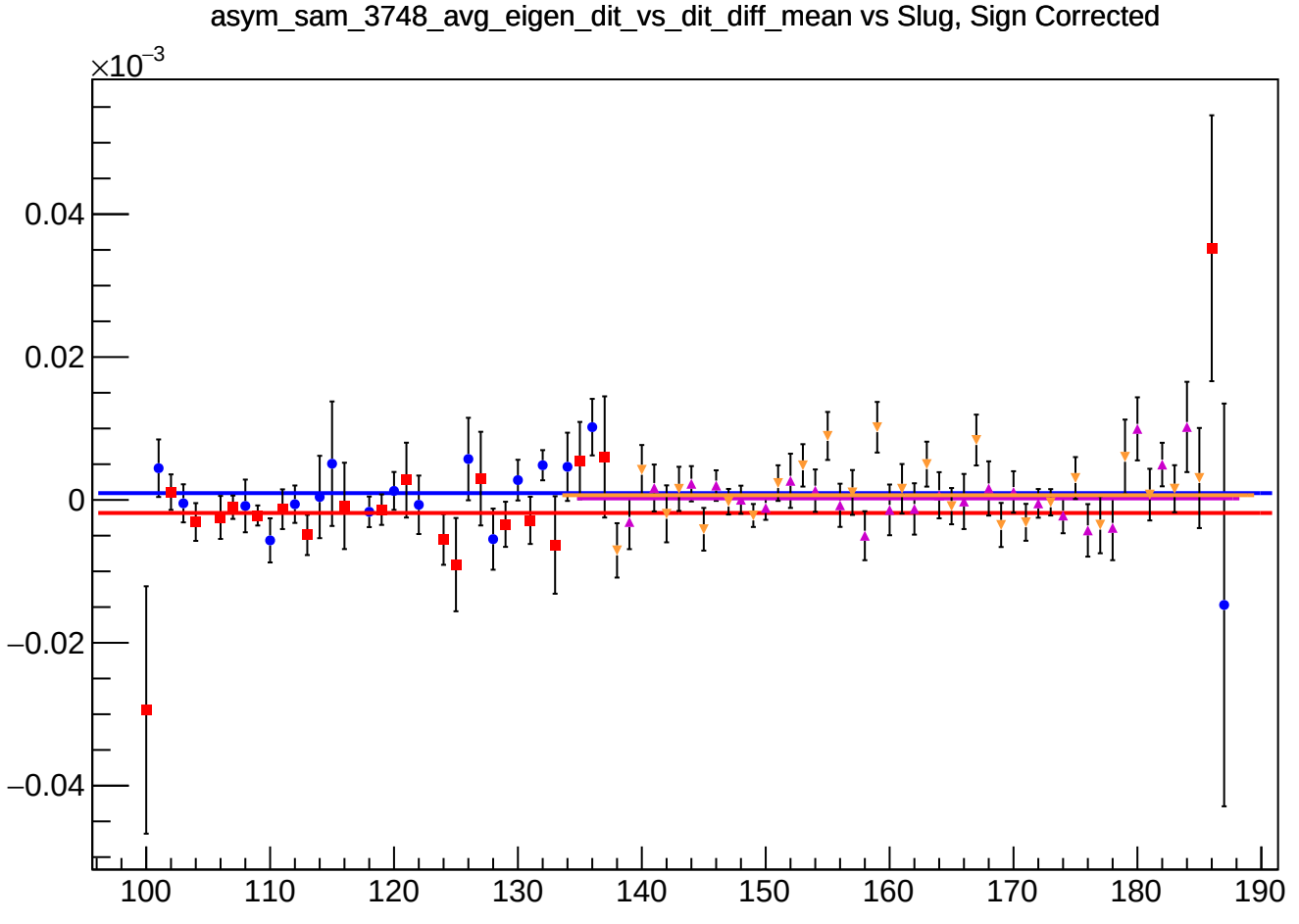
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 33.609+/-0.007 χ^2/NDF: 3459522.8/36

In: 42.322+/-0.007 χ^2/NDF:5403884.6/39

Out: 41.448+/-0.006 χ^2/NDF:8026975.6/44

All: 41.872+/-0.005 χ^2/NDF: 13440094.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.9/19

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

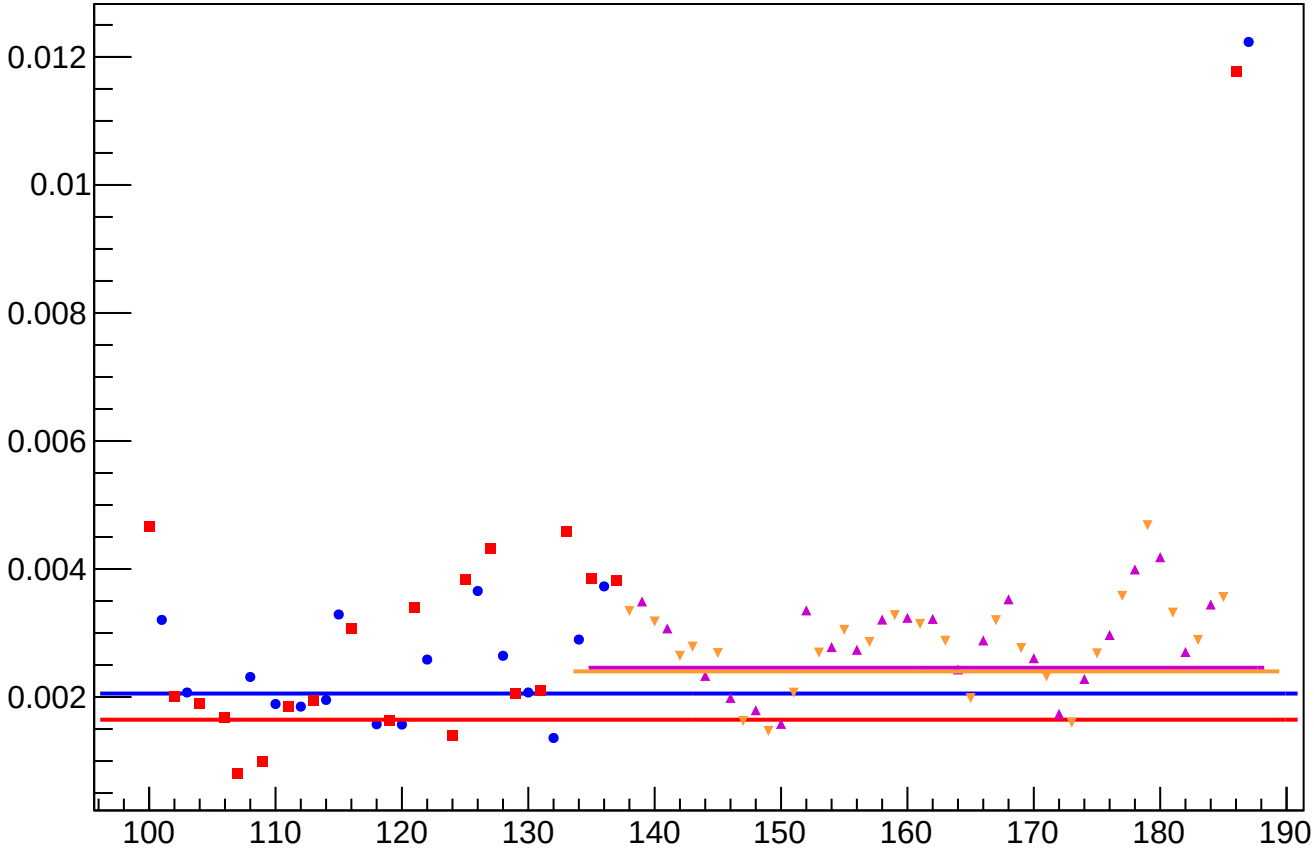
Right: -0.000+/-0.000 χ^2/NDF: 45.1/36

In: 0.000+/-0.000 χ^2/NDF:41.5/39

Out: -0.000+/-0.000 χ^2/NDF:66.5/44

All: -0.000+/-0.000 χ^2/NDF: 109.8/84

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1521503.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3521994.2/19

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

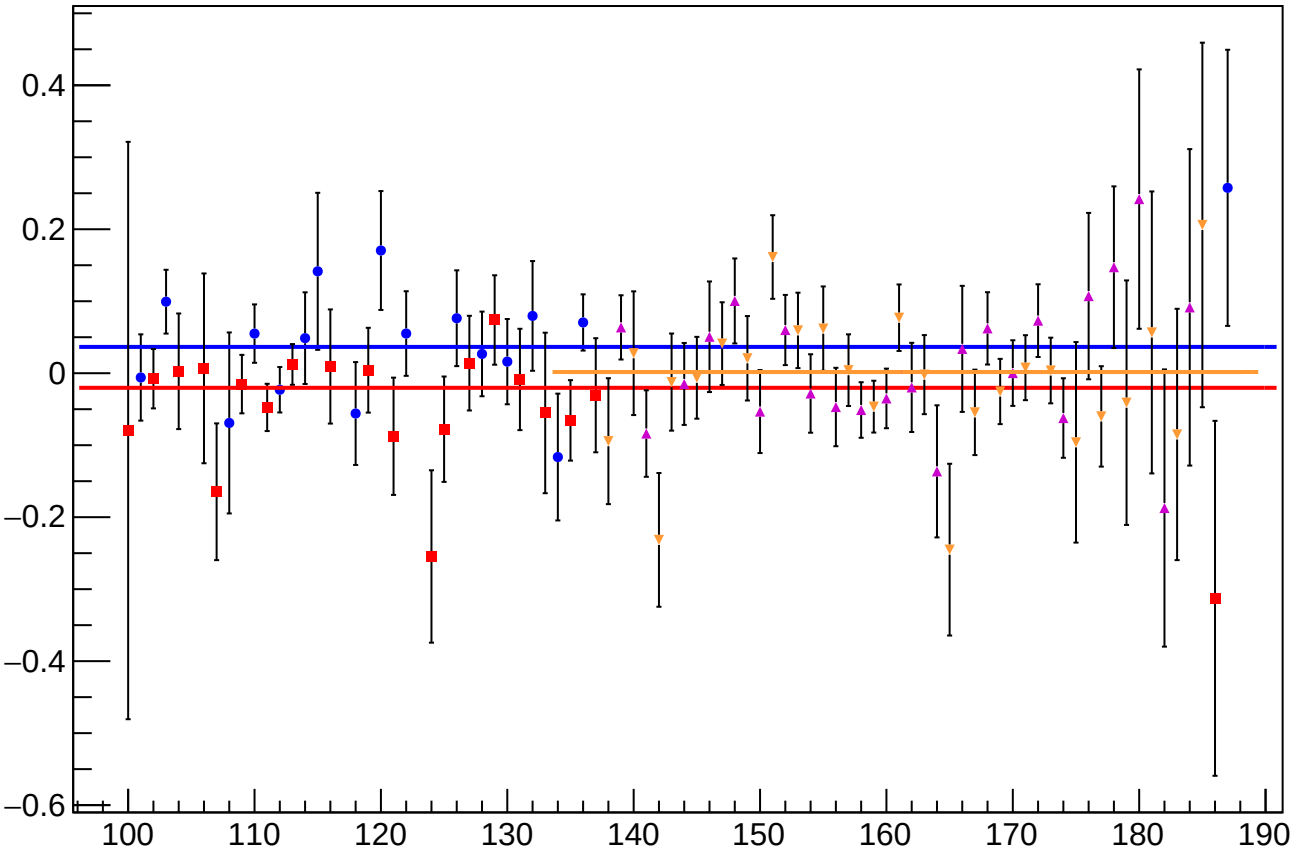
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 5347109.5/36

In: 0.002+/-0.000 χ^2/NDF:4469970.0/39

Out: 0.002+/-0.000 χ^2/NDF:8111481.4/44

All: 0.002+/-0.000 χ^2/NDF: 12836465.7/84



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

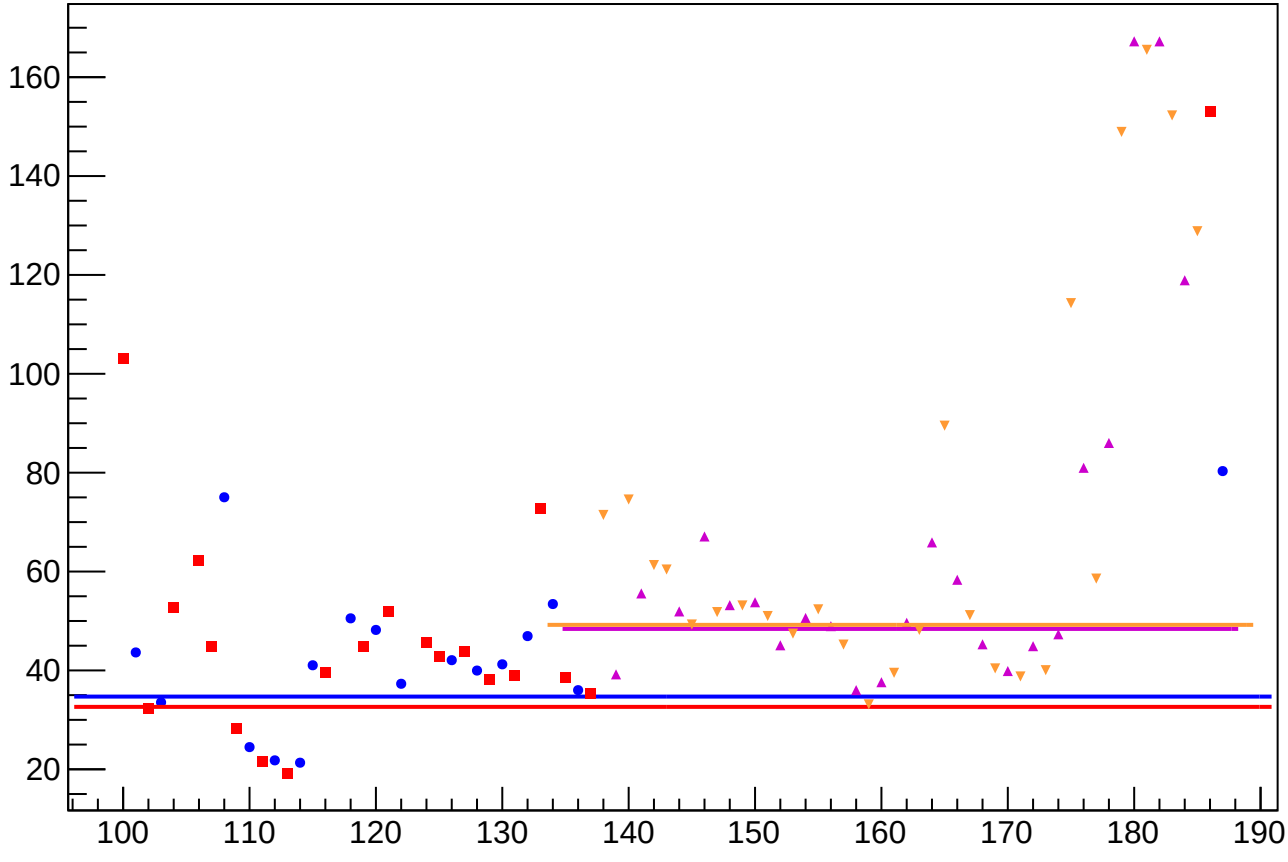
Right: 0.007+/-0.010 χ^2/NDF: 41.9/36

In: 0.017+/-0.009 χ^2/NDF:47.9/39

Out: -0.009+/-0.009 χ^2/NDF:46.7/44

All: 0.004+/-0.006 χ^2/NDF: 98.6/84

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.708+/-0.010 χ^2/NDF: 1284869.9/16

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 32.626+/-0.009 χ^2/NDF: 2150753.8/19

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

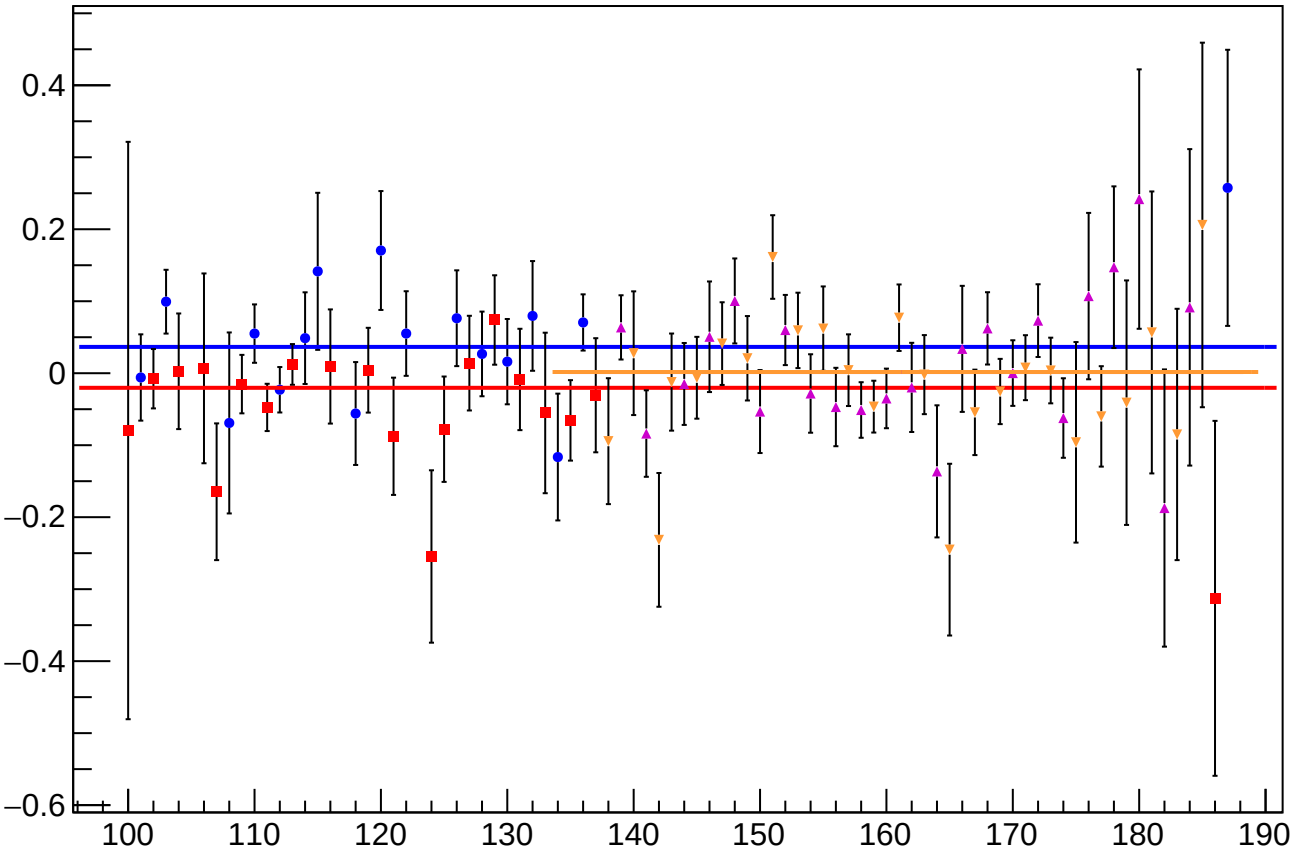
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 33.609+/-0.007 χ^2/NDF: 3459446.8/36

In: 42.322+/-0.007 χ^2/NDF:5403828.9/39

Out: 41.448+/-0.006 χ^2/NDF:8026914.8/44

All: 41.873+/-0.005 χ^2/NDF: 13439977.0/84



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

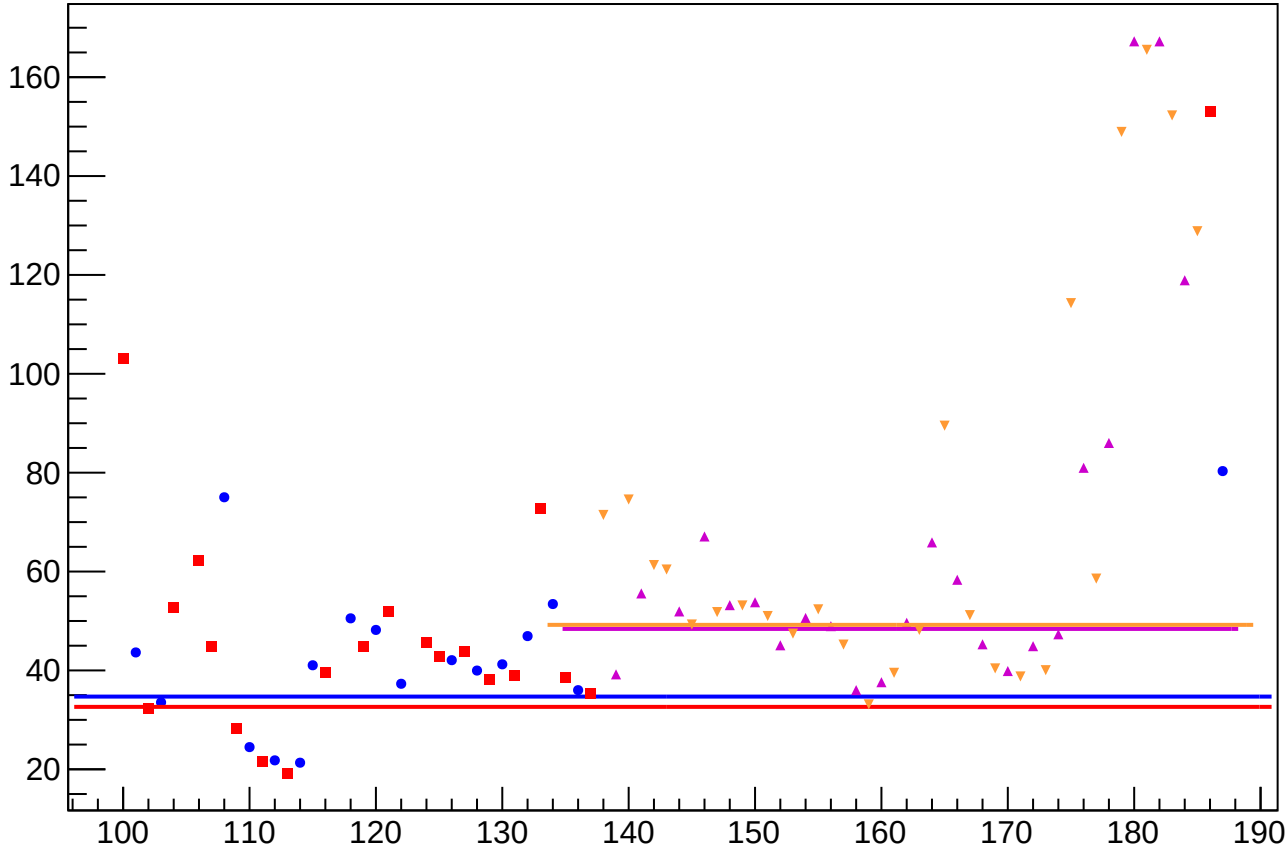
Right: 0.007+/-0.010 χ^2/NDF: 41.9/36

In: 0.017+/-0.009 χ^2/NDF:47.9/39

Out: -0.009+/-0.009 χ^2/NDF:46.7/44

All: 0.004+/-0.006 χ^2/NDF: 98.6/84

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.708+/-0.010 χ^2/NDF: 1284869.9/16

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 32.626+/-0.009 χ^2/NDF: 2150753.8/19

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

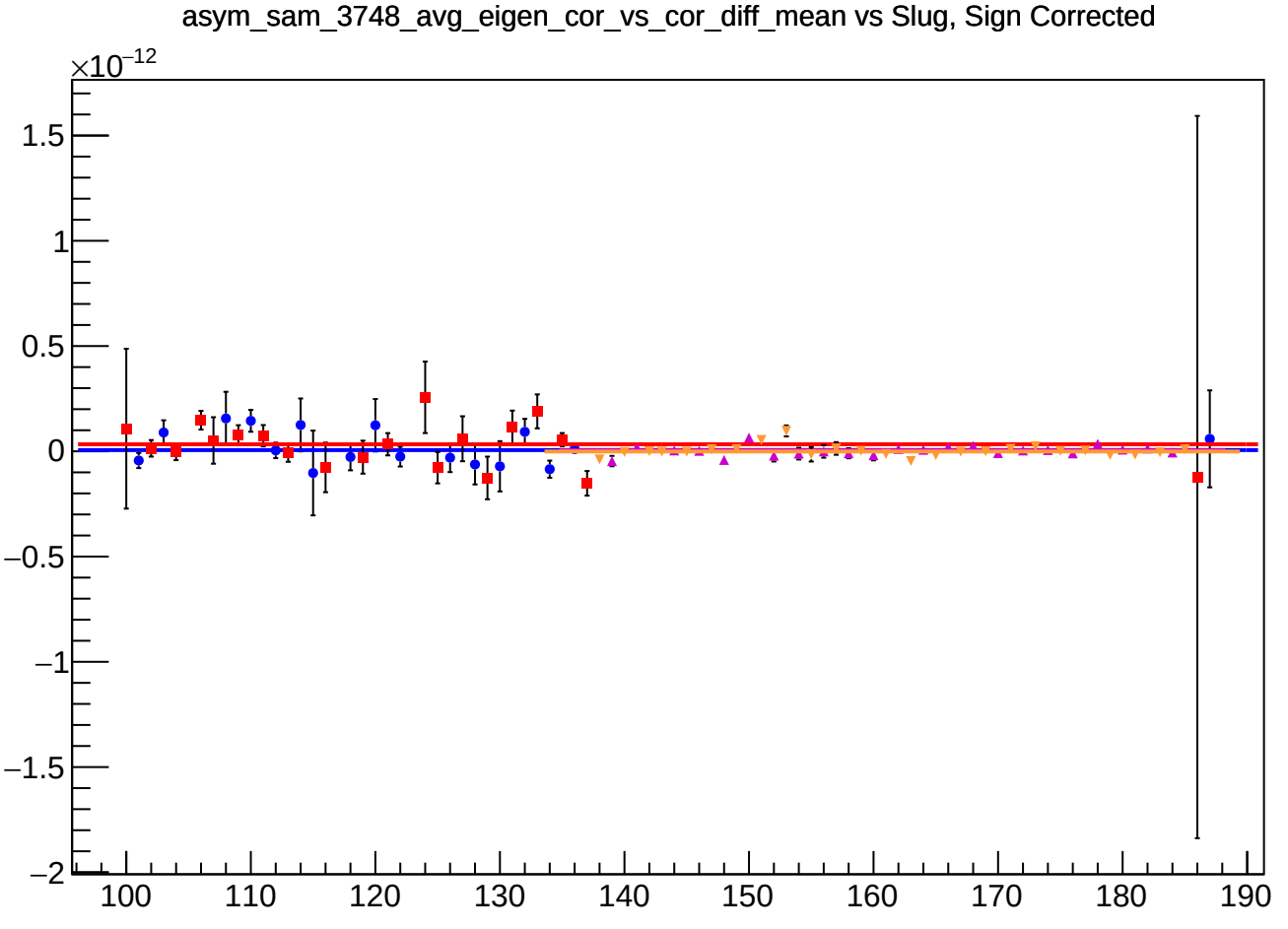
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 33.609+/-0.007 χ^2/NDF: 3459446.8/36

In: 42.322+/-0.007 χ^2/NDF:5403828.9/39

Out: 41.448+/-0.006 χ^2/NDF:8026914.8/44

All: 41.873+/-0.005 χ^2/NDF: 13439977.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/19

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

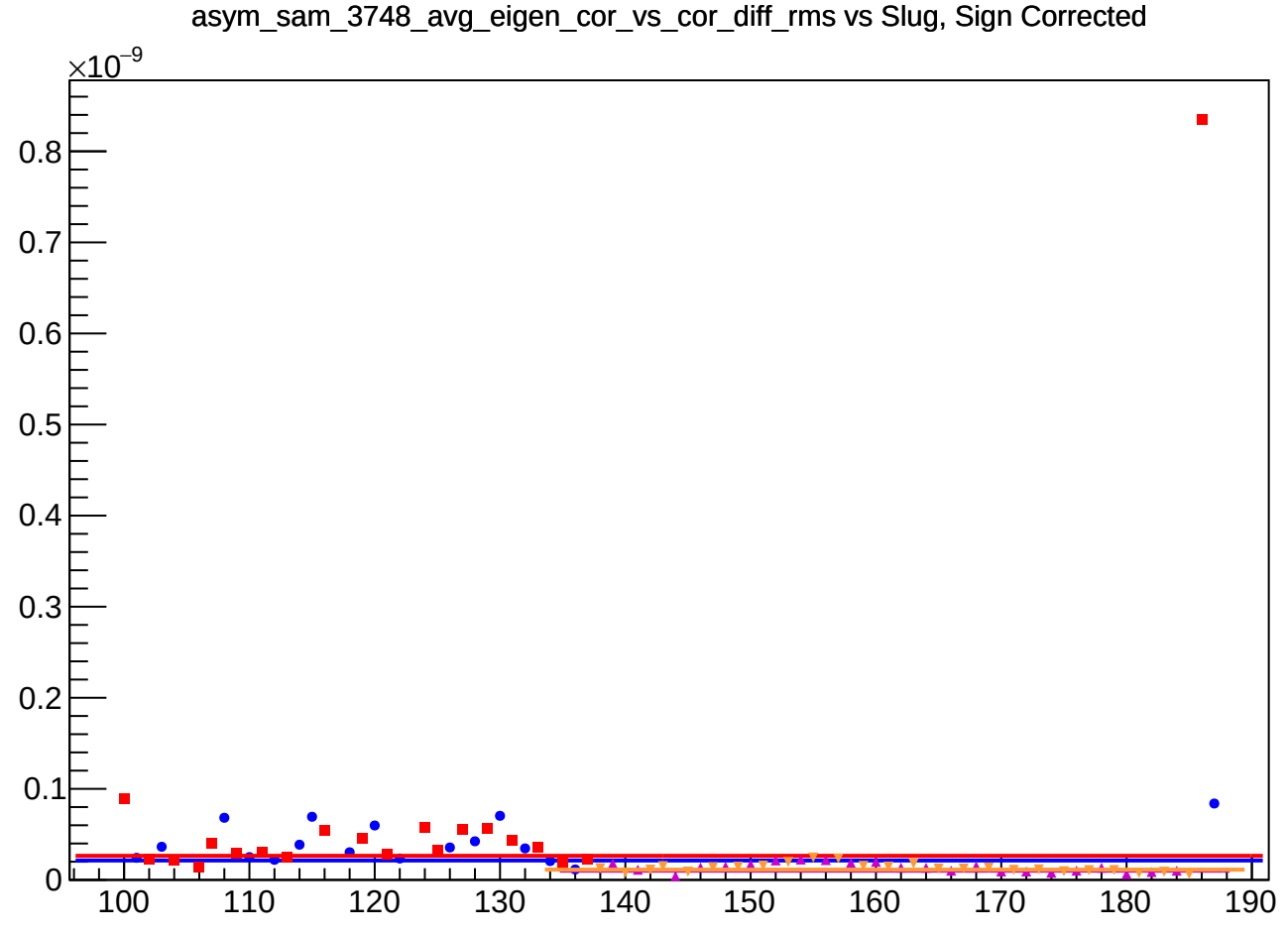
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

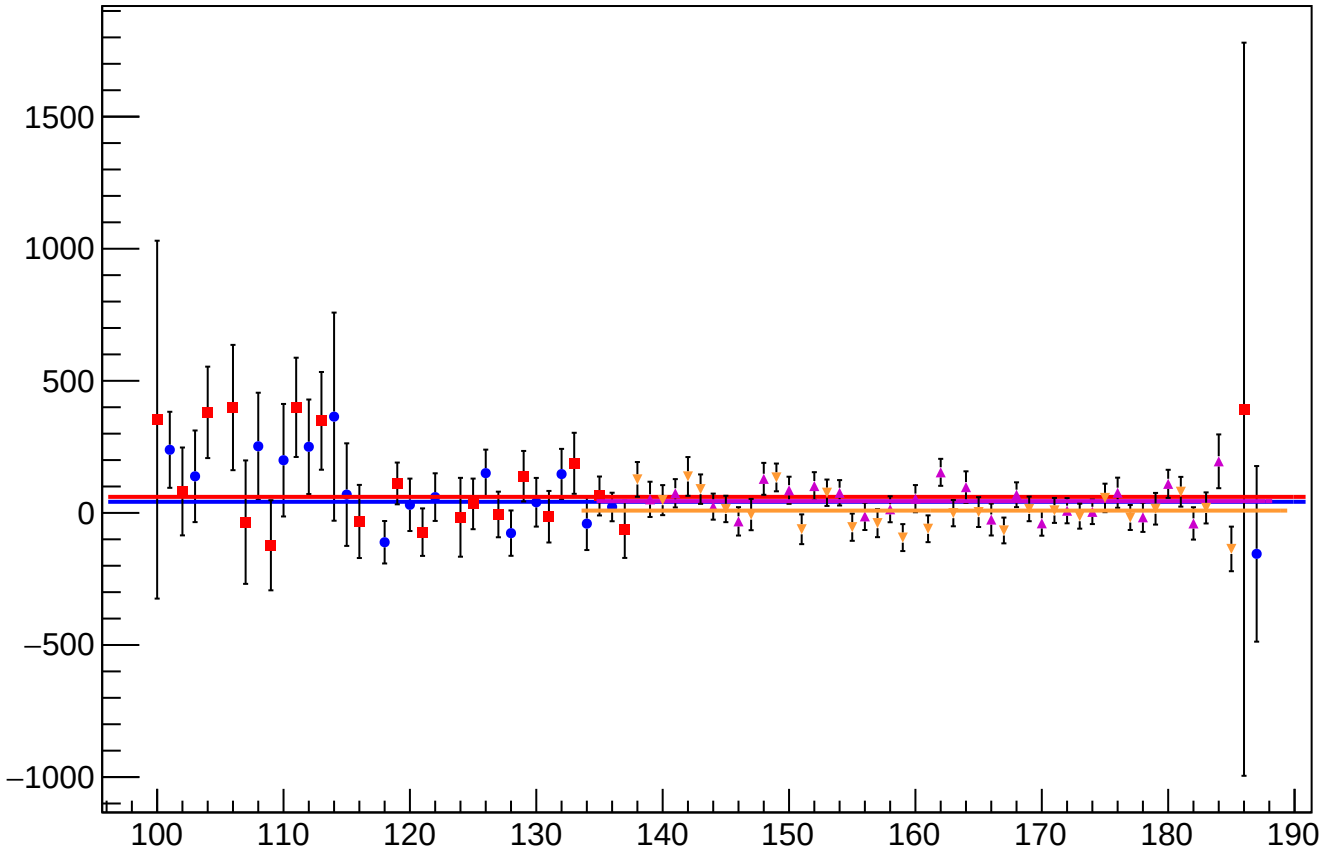
Right: 0.000+/-0.000 χ^2/NDF: 59.6/36

In: 0.000+/-0.000 χ^2/NDF:52.1/39

Out: 0.000+/-0.000 χ^2/NDF:76.9/44

All: 0.000+/-0.000 χ^2/NDF: 129.8/84


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2229178.3/16
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1662412.3/19
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
Left: 0.000+/-0.000 χ²/NDF: 6357070.7/47
Right: 0.000+/-0.000 χ²/NDF: 4069085.3/36
In: 0.000+/-0.000 χ²/NDF:8040112.7/39
Out: 0.000+/-0.000 χ²/NDF:6422416.3/44
All: 0.000+/-0.000 χ²/NDF: 14621140.2/84



Right In: 42.061+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 60.706+/-26.889 χ^2/NDF: 20.5/19

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

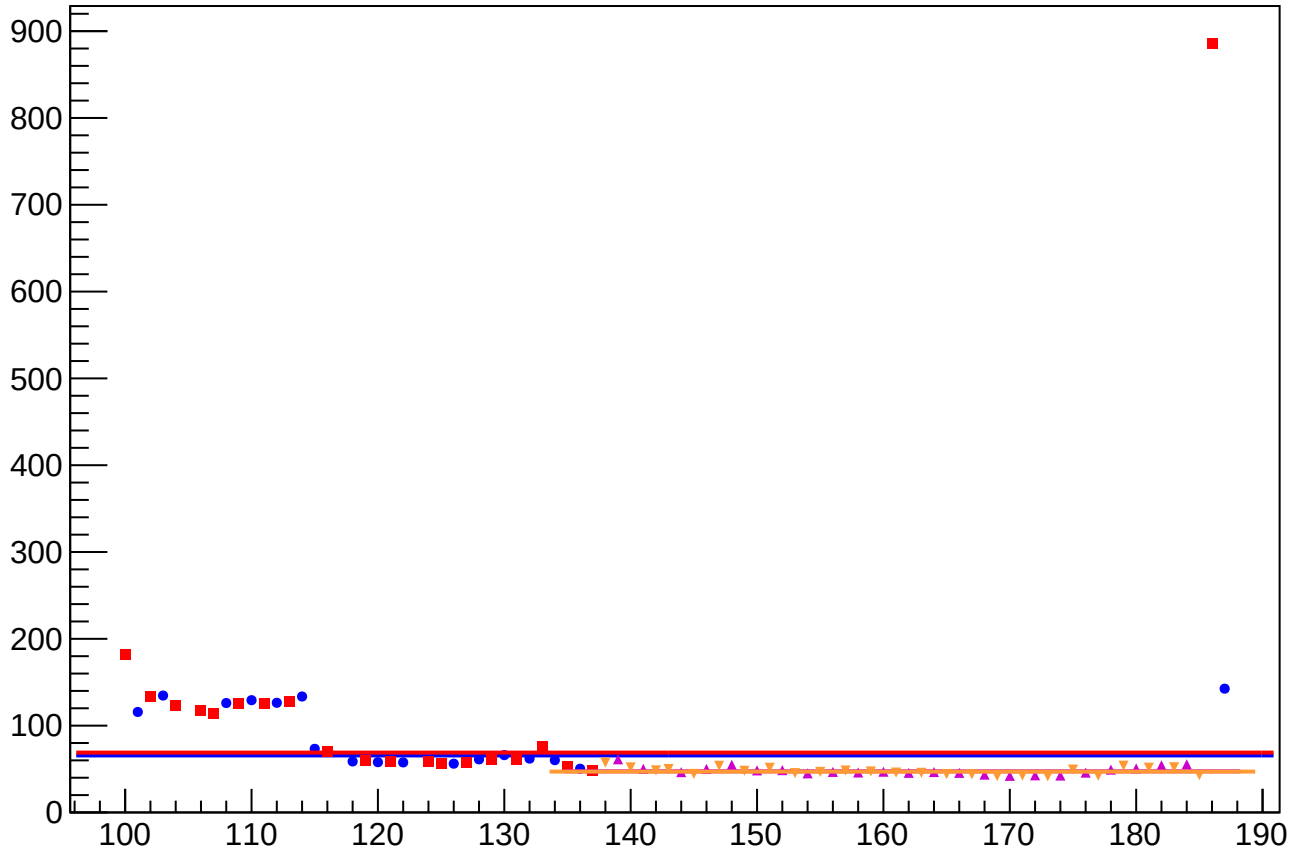
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 50.964+/-18.580 χ^2/NDF: 36.0/36

In: 44.149+/-10.228 χ^2/NDF:42.3/39

Out: 15.937+/-9.998 χ^2/NDF:58.3/44

All: 29.721+/-7.149 χ^2/NDF: 104.5/84



Right In: 65.675+/-0.018 χ^2/NDF: 1554258.2/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 68.963+/-0.019 χ^2/NDF: 2334085.0/19

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

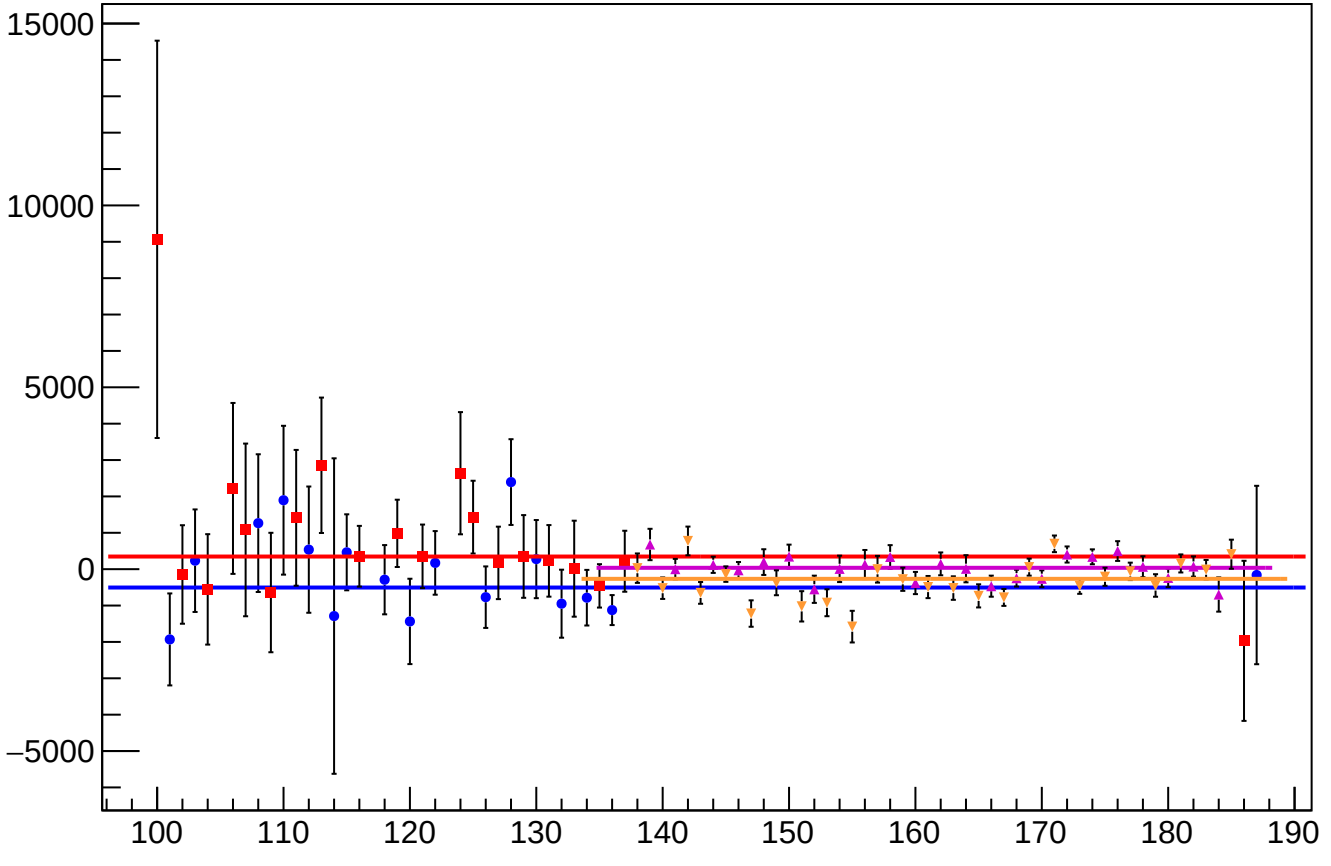
Right: 67.245+/-0.013 χ^2/NDF: 3903969.7/36

In: 50.280+/-0.007 χ^2/NDF:2677782.0/39

Out: 50.091+/-0.007 χ^2/NDF:3764849.1/44

All: 50.183+/-0.005 χ^2/NDF: 6442978.7/84

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -504.717+/-235.846 χ^2/NDF: 15.6/16

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 347.415+/-254.684 χ^2/NDF: 12.9/19

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

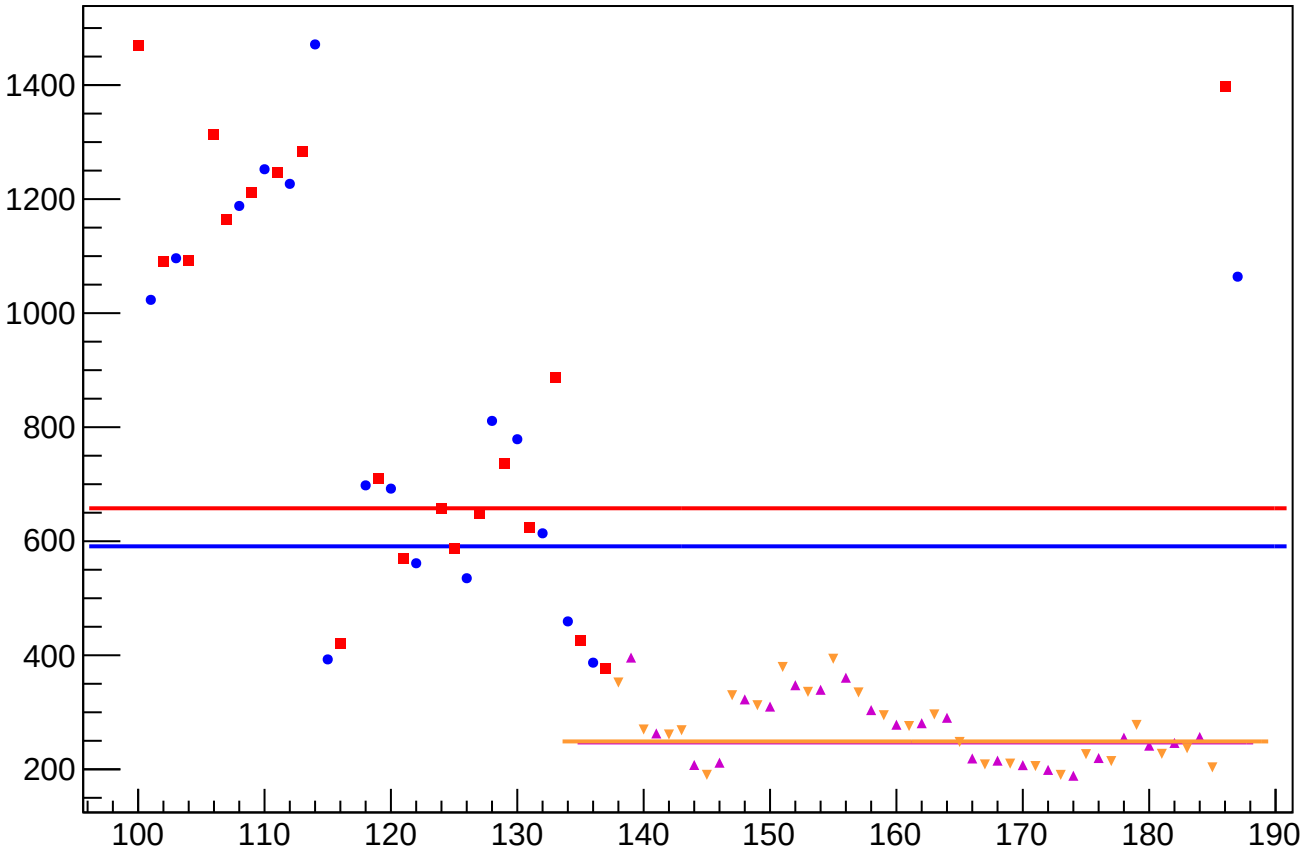
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -111.326+/-173.045 χ^2/NDF: 34.5/36

In: 5.431+/-57.382 χ^2/NDF:47.2/39

Out: -235.424+/-56.581 χ^2/NDF:88.2/44

All: -116.689+/-40.289 χ^2/NDF: 144.3/84



Right In: 591.060+/-0.167 χ^2/NDF: 2128199.7/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 657.790+/-0.180 χ^2/NDF: 2335125.4/19

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

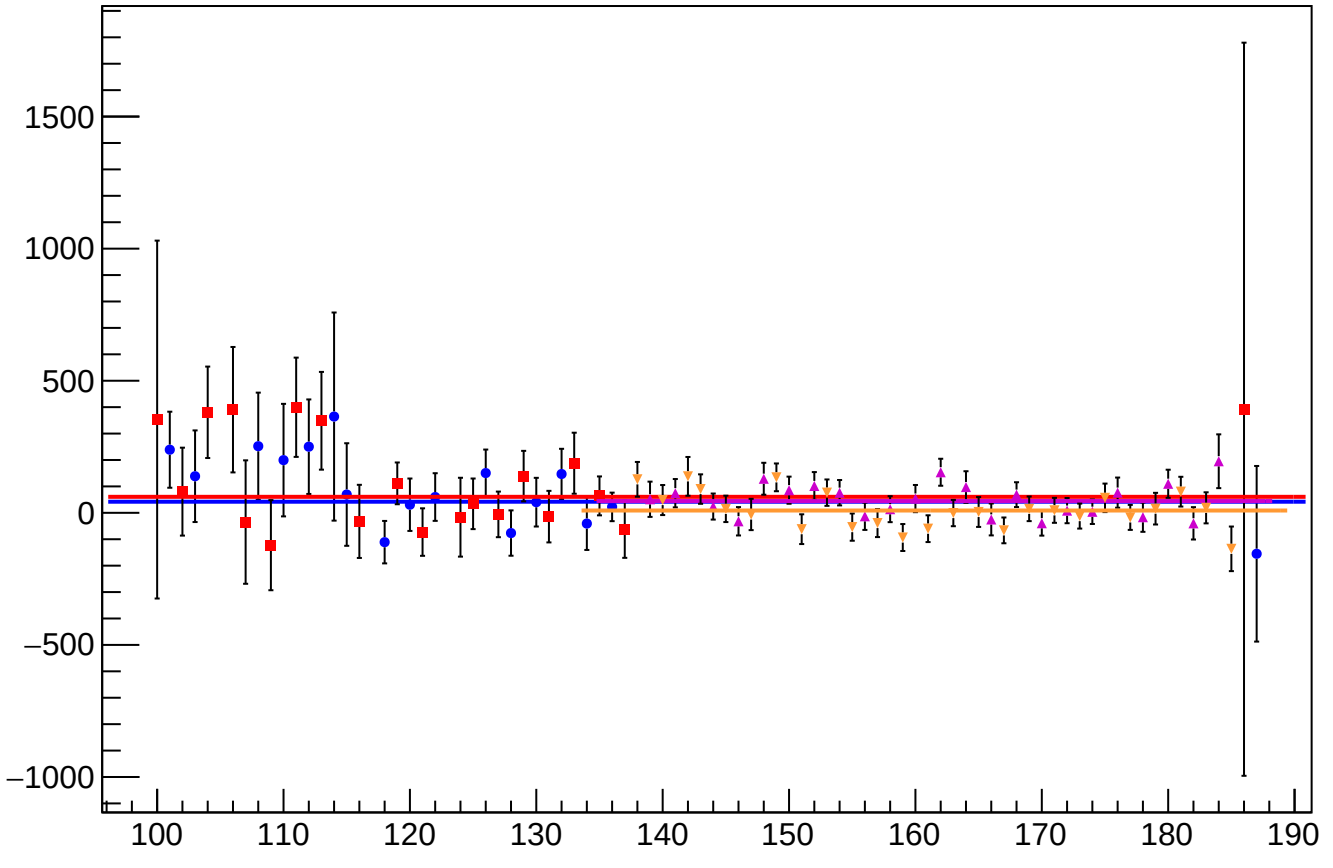
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 621.866+/-0.122 χ^2/NDF: 4537239.4/36

In: 267.470+/-0.041 χ^2/NDF:7614525.4/39

Out: 269.072+/-0.040 χ^2/NDF:8899745.7/44

All: 268.282+/-0.028 χ^2/NDF: 16515062.5/84



Right In: 42.054+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 60.556+/-26.890 χ^2/NDF: 20.4/19

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

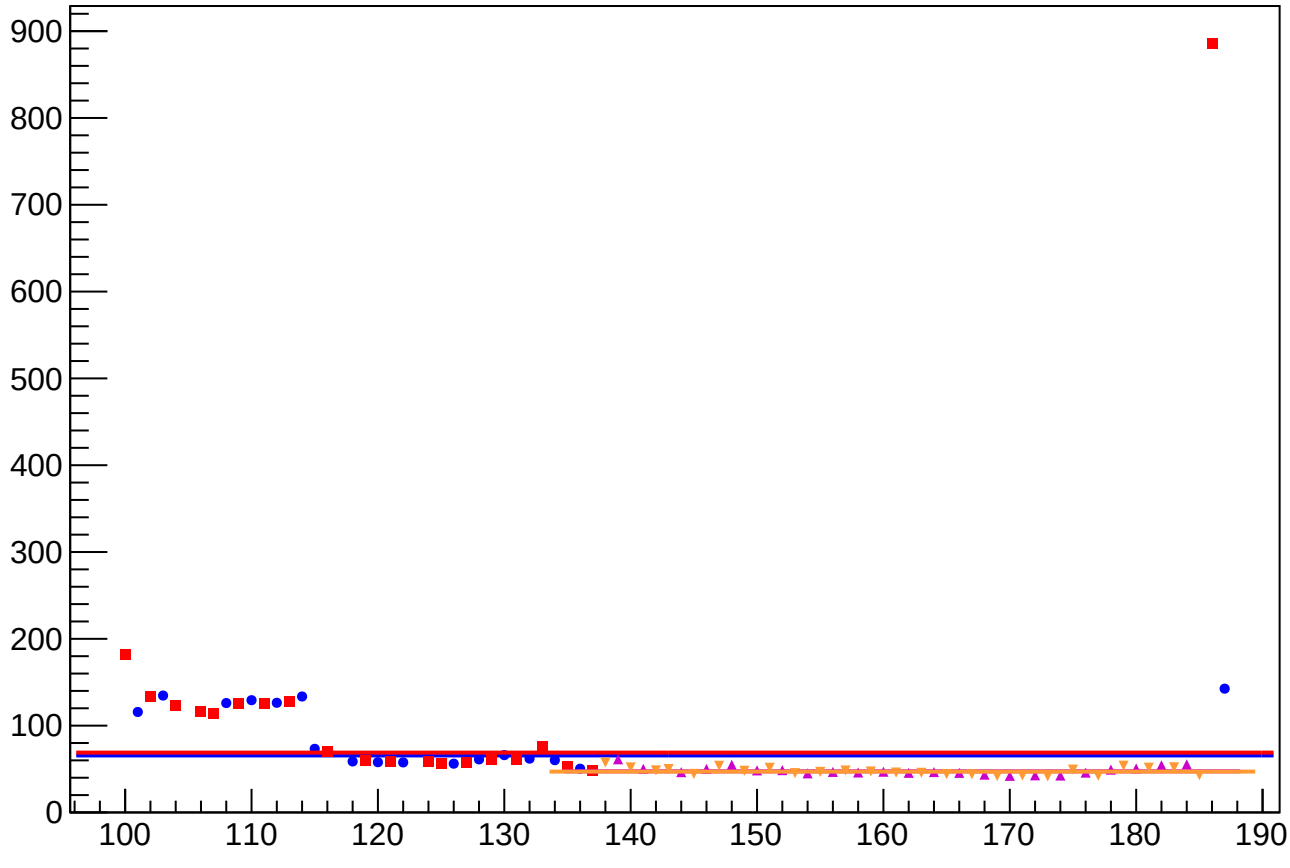
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 50.888+/-18.580 χ^2/NDF: 35.9/36

In: 44.146+/-10.228 χ^2/NDF:42.3/39

Out: 15.918+/-9.998 χ^2/NDF:58.2/44

All: 29.711+/-7.149 χ^2/NDF: 104.4/84



Right In: 65.675+/-0.018 χ^2/NDF: 1554260.5/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 68.949+/-0.019 χ^2/NDF: 2330767.4/19

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

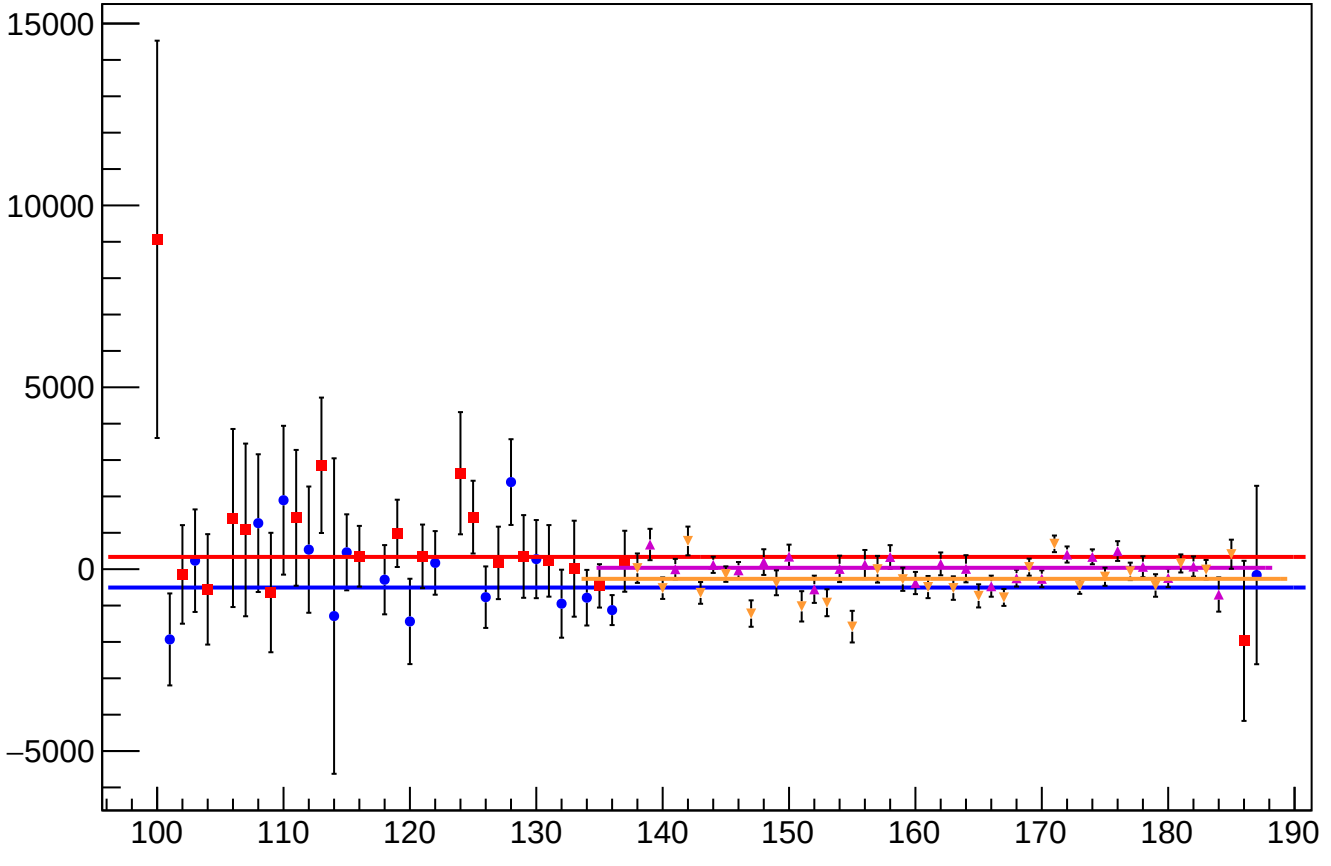
Right: 67.238+/-0.013 χ^2/NDF: 3900517.5/36

In: 50.280+/-0.007 χ^2/NDF:2677784.0/39

Out: 50.089+/-0.007 χ^2/NDF:3759971.9/44

All: 50.182+/-0.005 χ^2/NDF: 6438111.5/84

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -504.700+/-235.847 χ^2/NDF: 15.7/16

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 336.966+/-254.808 χ^2/NDF: 12.4/19

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

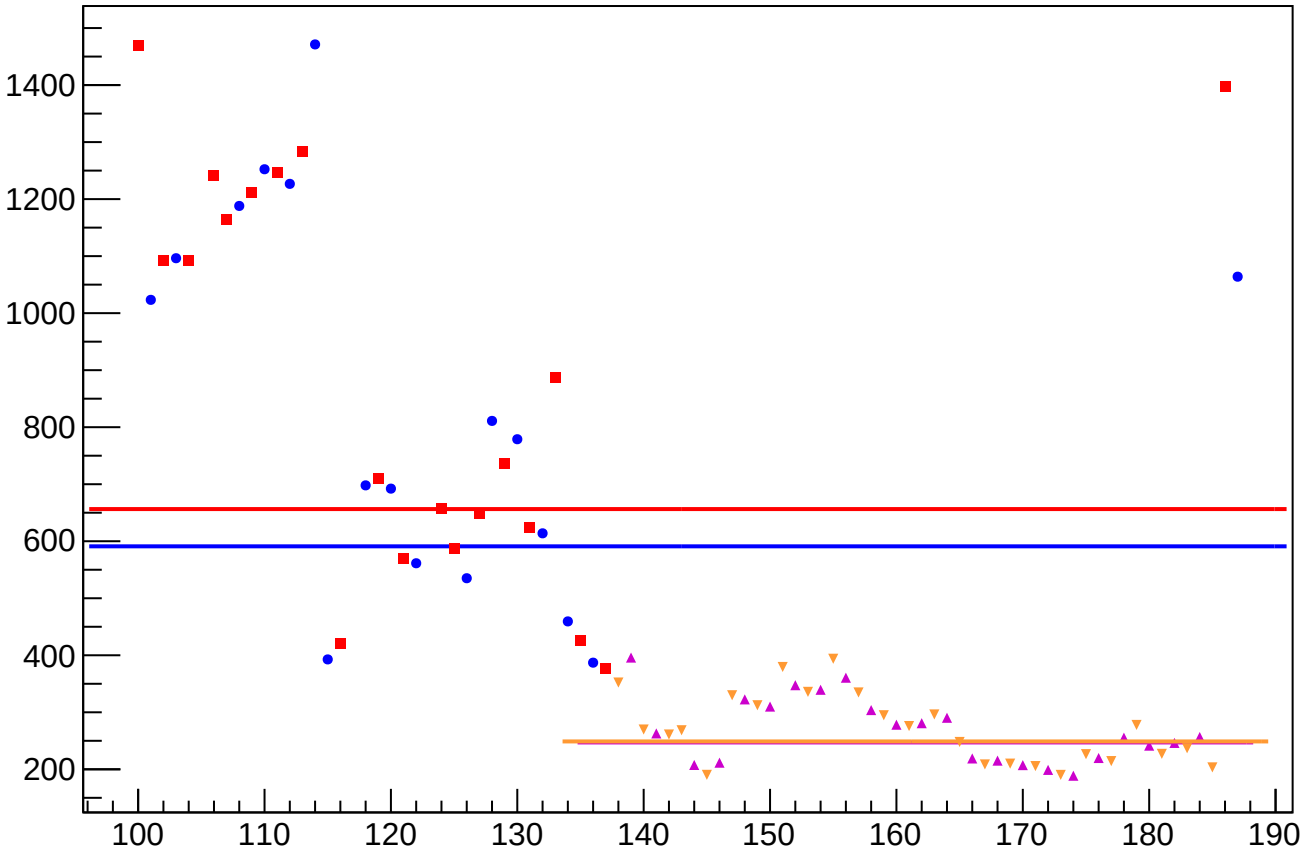
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -116.345+/-173.084 χ^2/NDF: 33.9/36

In: 5.429+/-57.382 χ^2/NDF:47.2/39

Out: -235.963+/-56.582 χ^2/NDF:87.5/44

All: -116.960+/-40.289 χ^2/NDF: 143.7/84



Right In: 591.059+/-0.167 χ^2/NDF: 2128236.0/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 656.410+/-0.180 χ^2/NDF: 2293530.4/19

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

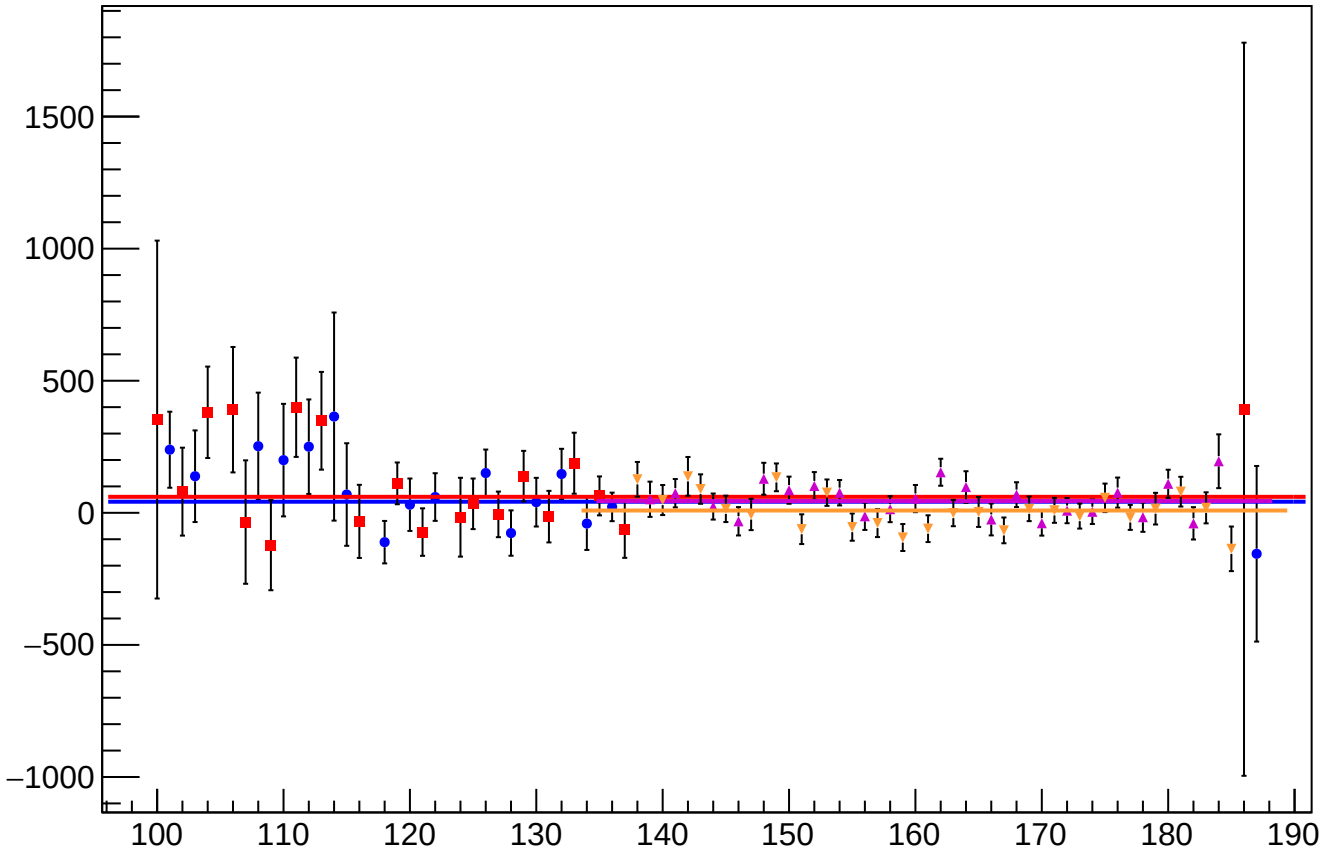
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 621.213+/-0.122 χ^2/NDF: 4492619.6/36

In: 267.470+/-0.041 χ^2/NDF:7614535.9/39

Out: 268.986+/-0.040 χ^2/NDF:8820635.8/44

All: 268.238+/-0.028 χ^2/NDF: 16435879.5/84



Right In: 42.054+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 60.556+/-26.890 χ^2/NDF: 20.4/19

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

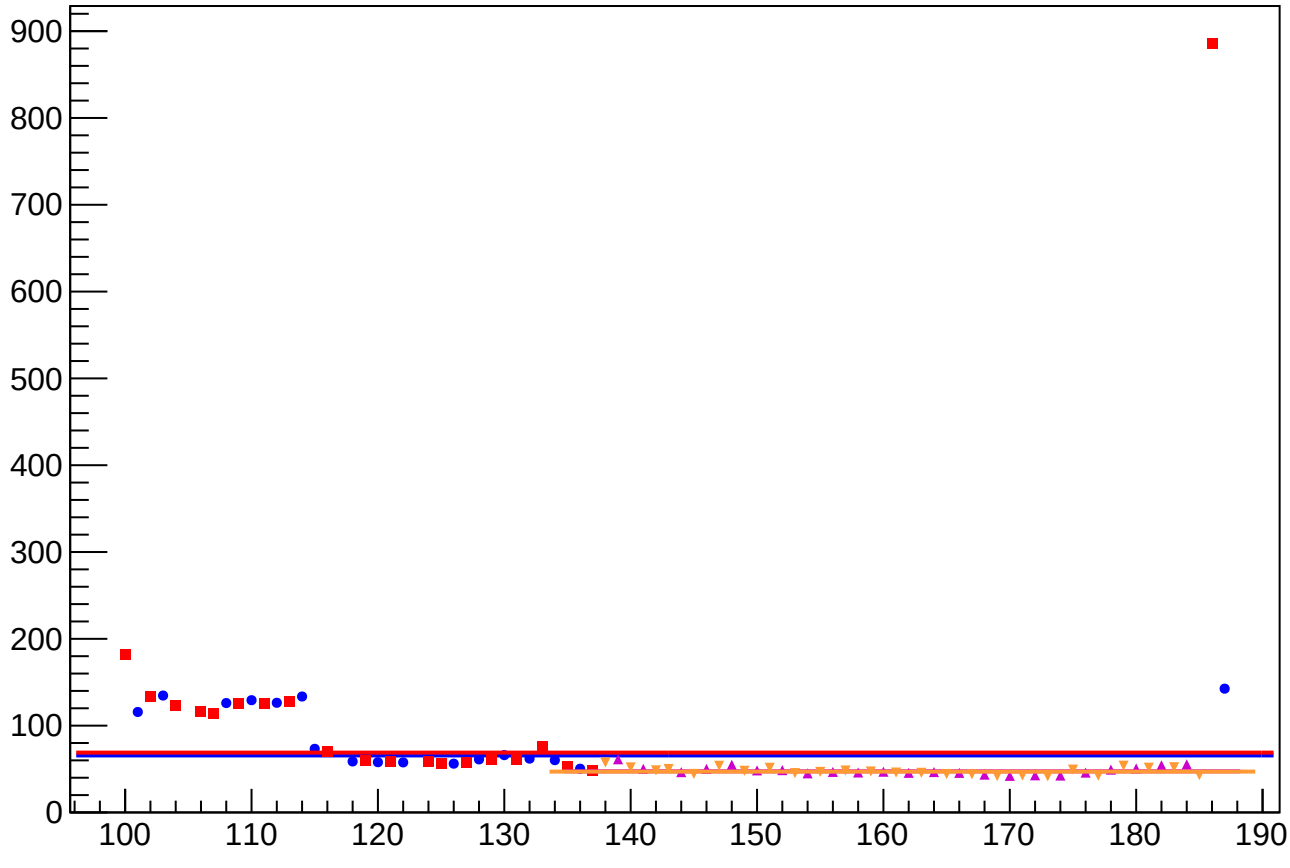
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 50.888+/-18.580 χ^2/NDF: 35.9/36

In: 44.146+/-10.228 χ^2/NDF:42.3/39

Out: 15.918+/-9.998 χ^2/NDF:58.2/44

All: 29.711+/-7.149 χ^2/NDF: 104.4/84



Right In: 65.675+/-0.018 χ^2/NDF: 1554260.5/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 68.949+/-0.019 χ^2/NDF: 2330767.4/19

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

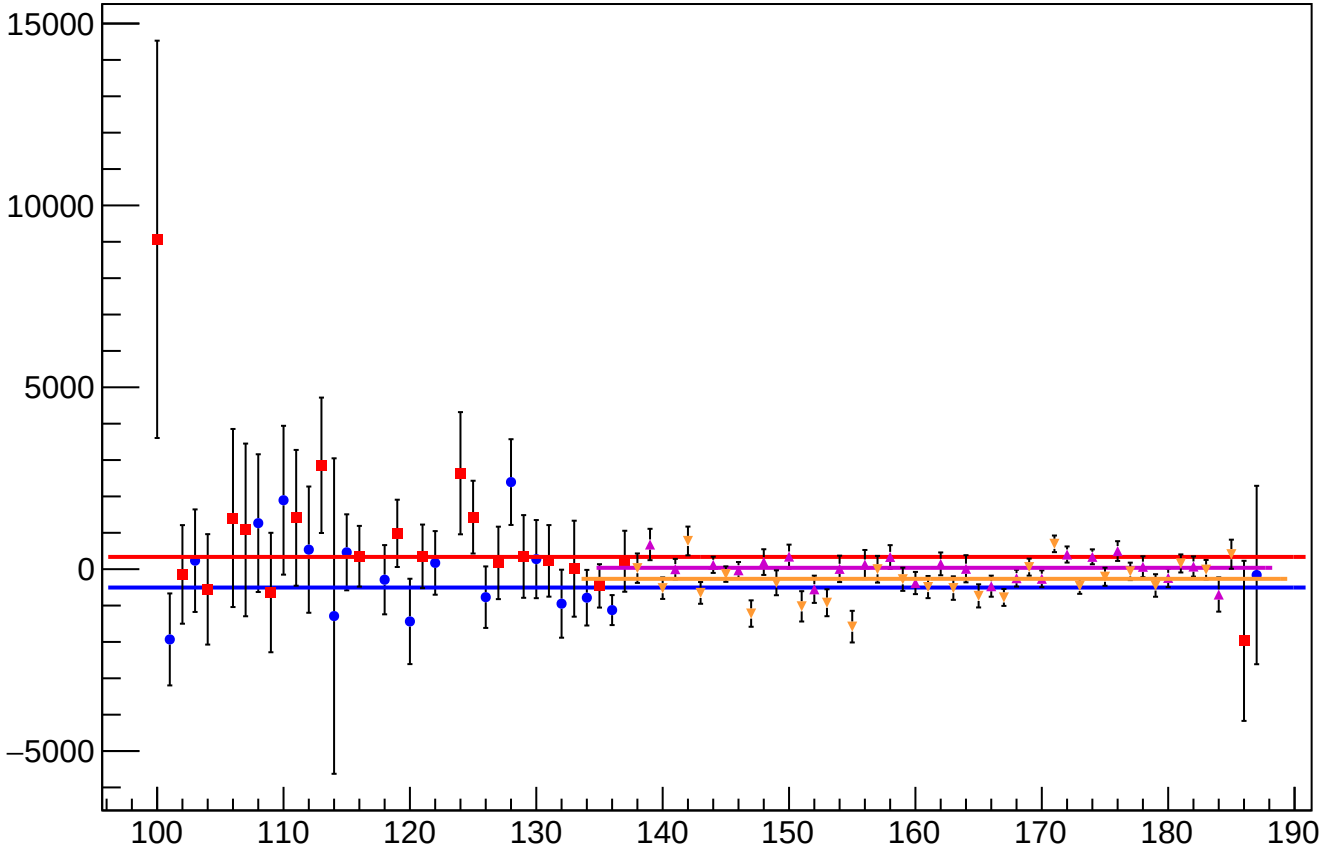
Right: 67.238+/-0.013 χ^2/NDF: 3900517.5/36

In: 50.280+/-0.007 χ^2/NDF:2677784.0/39

Out: 50.089+/-0.007 χ^2/NDF:3759971.9/44

All: 50.182+/-0.005 χ^2/NDF: 6438111.5/84

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -504.700+/-235.847 χ^2/NDF: 15.7/16

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 336.966+/-254.808 χ^2/NDF: 12.4/19

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

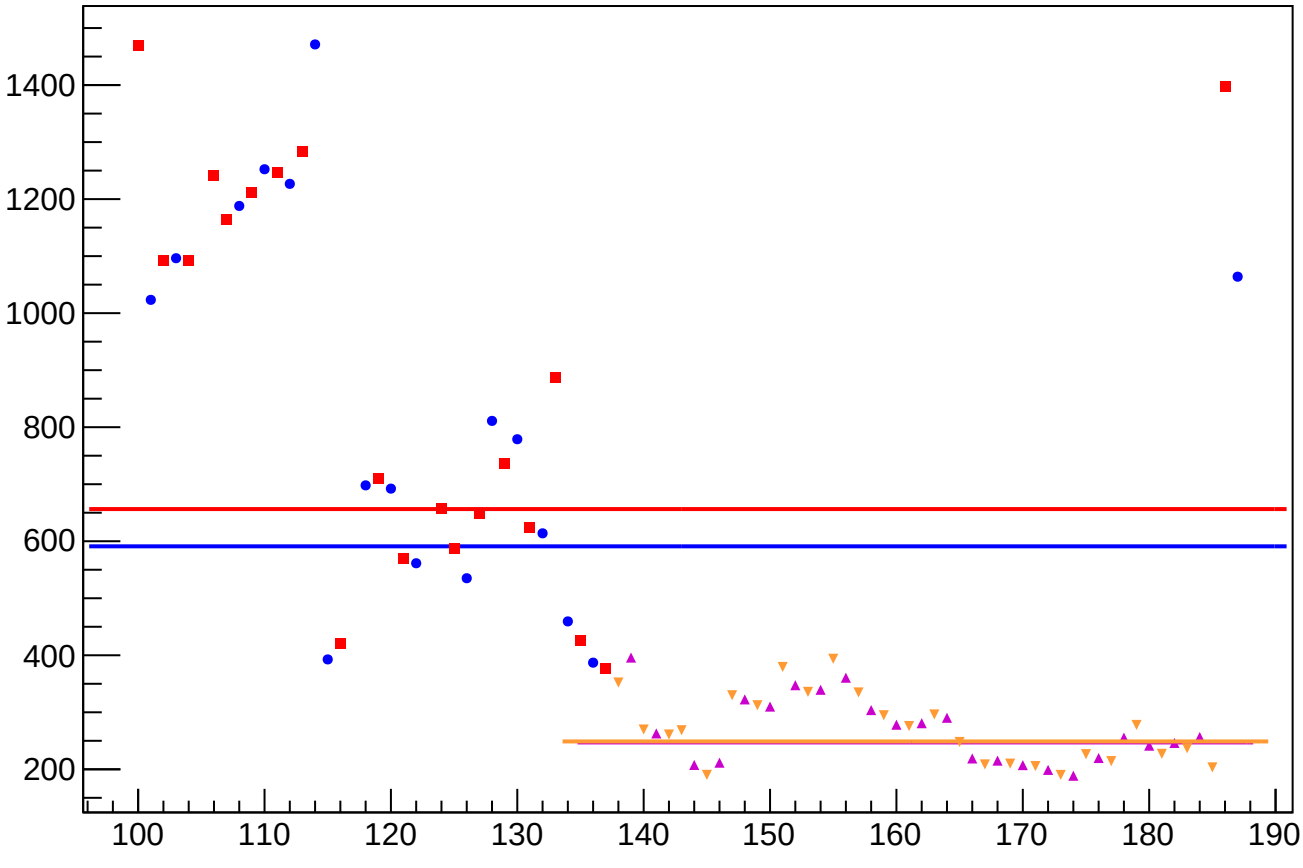
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -116.345+/-173.084 χ^2/NDF: 33.9/36

In: 5.429+/-57.382 χ^2/NDF:47.2/39

Out: -235.963+/-56.582 χ^2/NDF:87.5/44

All: -116.960+/-40.289 χ^2/NDF: 143.7/84



Right In: 591.059+/-0.167 χ^2/NDF: 2128236.0/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 656.410+/-0.180 χ^2/NDF: 2293530.4/19

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

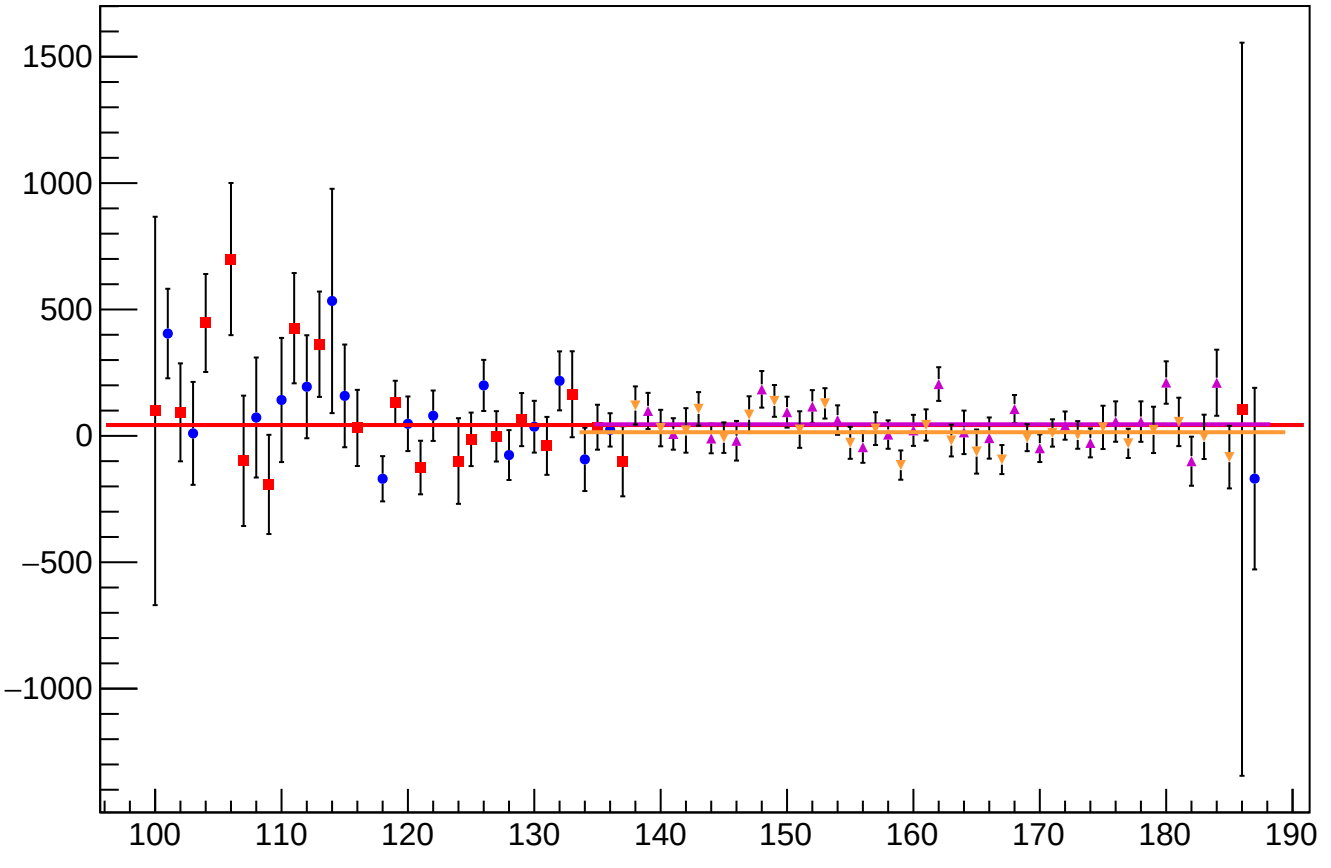
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 621.213+/-0.122 χ^2/NDF: 4492619.6/36

In: 267.470+/-0.041 χ^2/NDF:7614535.9/39

Out: 268.986+/-0.040 χ^2/NDF:8820635.8/44

All: 268.238+/-0.028 χ^2/NDF: 16435879.5/84



Right In: 42.917+/-29.805 χ^2/NDF: 20.0/16

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 42.930+/-31.241 χ^2/NDF: 23.3/19

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

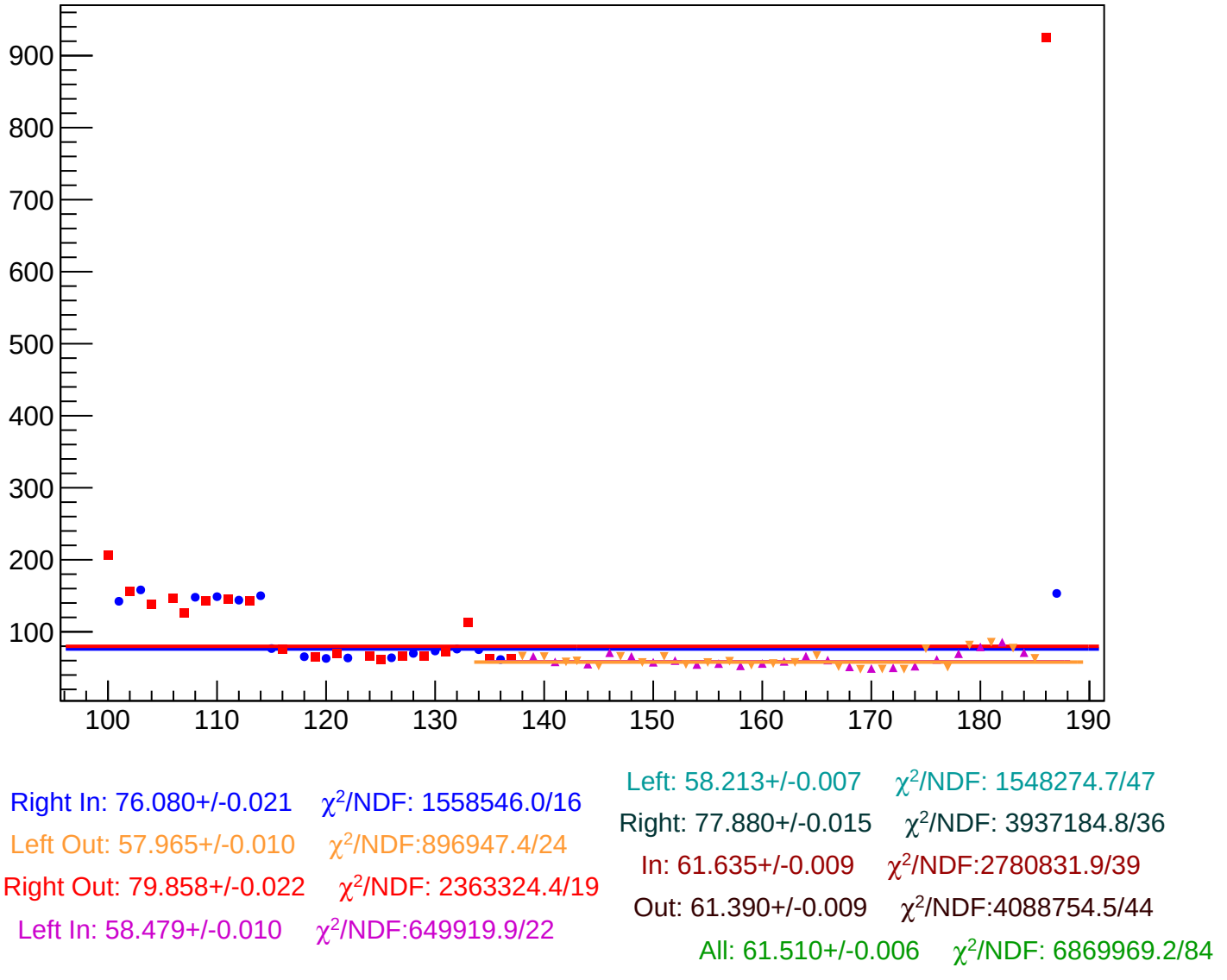
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 42.923+/-21.565 χ^2/NDF: 43.2/36

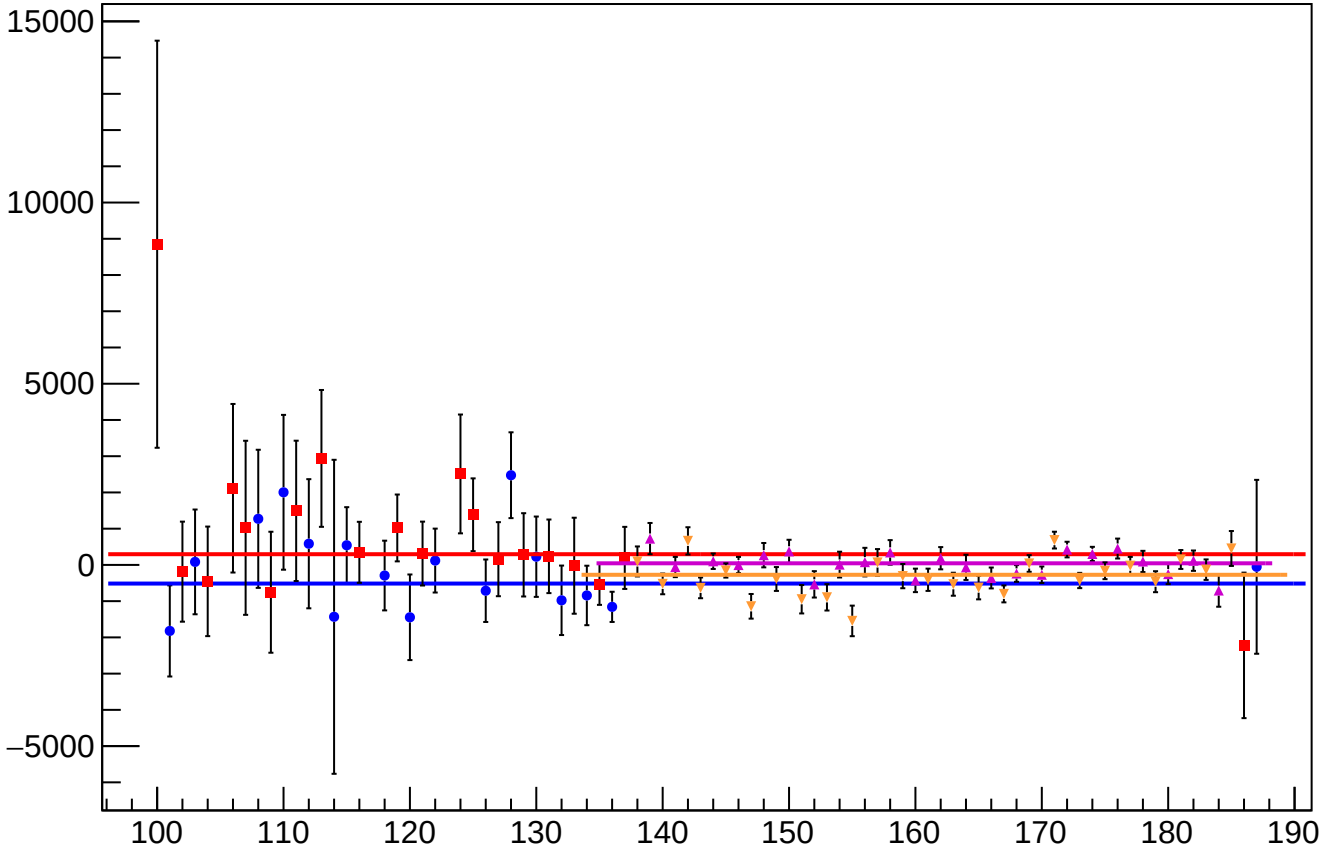
In: 45.288+/-12.621 χ^2/NDF:50.7/39

Out: 18.946+/-12.357 χ^2/NDF:48.5/44

All: 31.839+/-8.829 χ^2/NDF: 101.4/84


dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected
900
800
700
600
500
400
300
200
100
100
110
120
130
140
150
160
170
180
190
Right In: 76.080+/-0.021 χ²/NDF: 1558546.0/16
Left Out: 57.965+/-0.010 χ²/NDF:896947.4/24
Right Out: 79.858+/-0.022 χ²/NDF: 2363324.4/19
Left In: 58.479+/-0.010 χ²/NDF:649919.9/22
Left: 58.213+/-0.007 χ²/NDF: 1548274.7/47
Right: 77.880+/-0.015 χ²/NDF: 3937184.8/36
In: 61.635+/-0.009 χ²/NDF:2780831.9/39
Out: 61.390+/-0.009 χ²/NDF:4088754.5/44
All: 61.510+/-0.006 χ²/NDF: 6869969.2/84

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -514.574+/-240.105 χ^2/NDF: 15.8/16

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 295.622+/-254.547 χ^2/NDF: 13.5/19

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

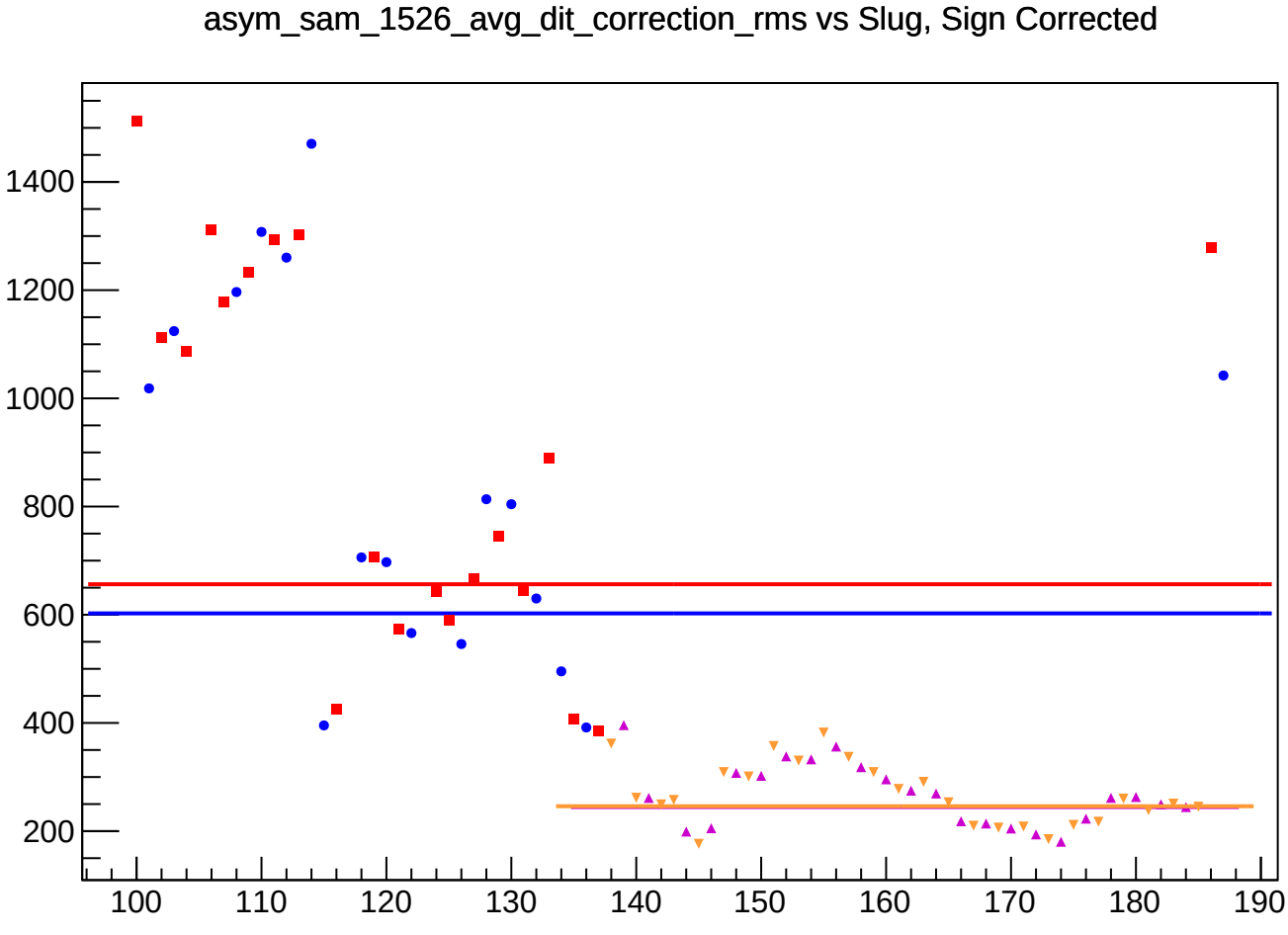
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -133.110+/-174.662 χ^2/NDF: 34.7/36

In: 13.106+/-56.942 χ^2/NDF:47.4/39

Out: -245.137+/-55.877 χ^2/NDF:84.0/44

All: -118.453+/-39.882 χ^2/NDF: 141.9/84



Right In: 602.492+/-0.170 χ^2/NDF: 2115686.6/16

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 656.370+/-0.180 χ^2/NDF: 2401229.1/19

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

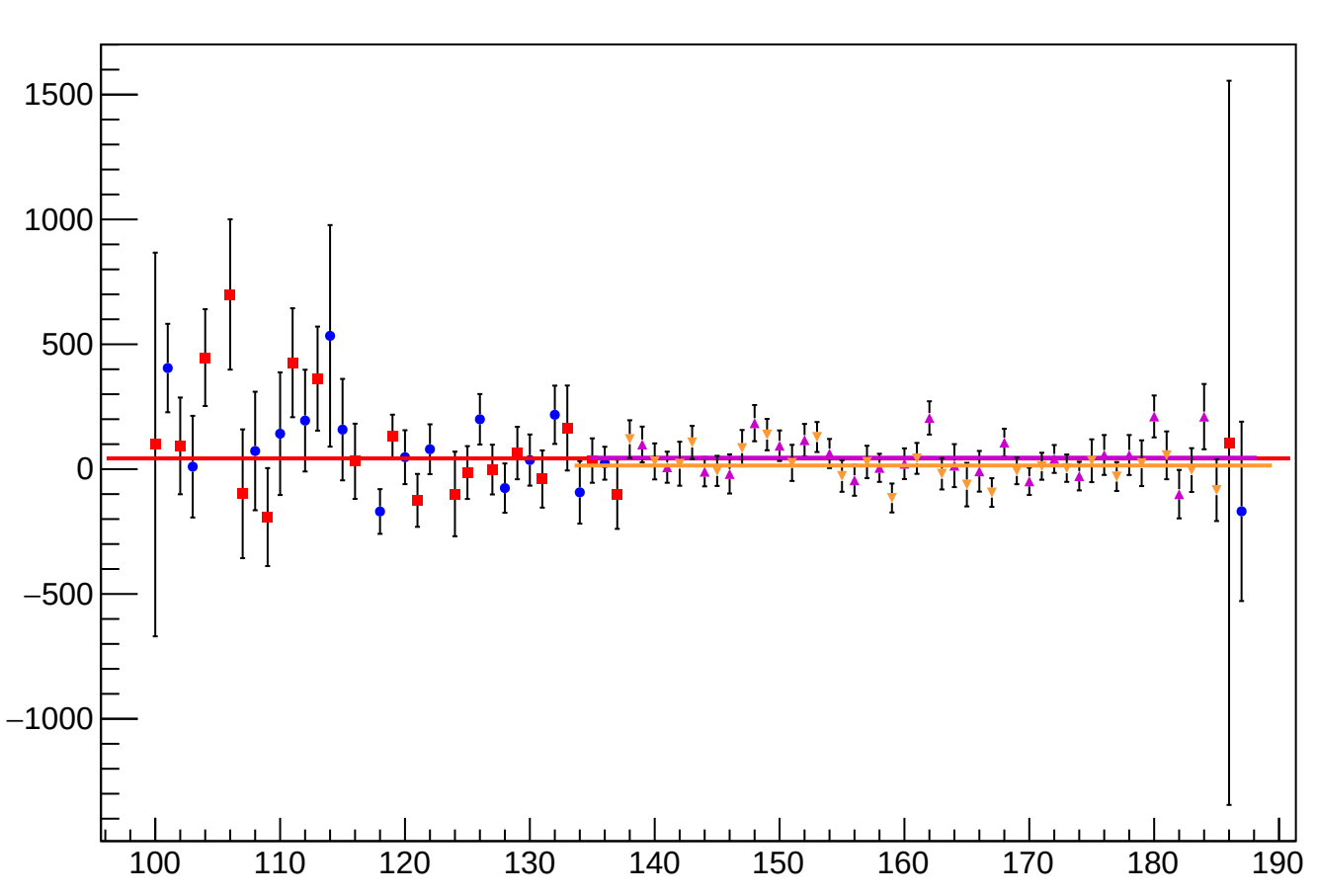
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 627.860+/-0.124 χ^2/NDF: 4564330.8/36

In: 264.587+/-0.040 χ^2/NDF:7909836.5/39

Out: 265.790+/-0.040 χ^2/NDF:9029037.4/44

All: 265.200+/-0.028 χ^2/NDF: 16939328.9/84



Right In: 42.918+/-29.805 χ^2/NDF: 20.0/16

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 42.929+/-31.241 χ^2/NDF: 23.3/19

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

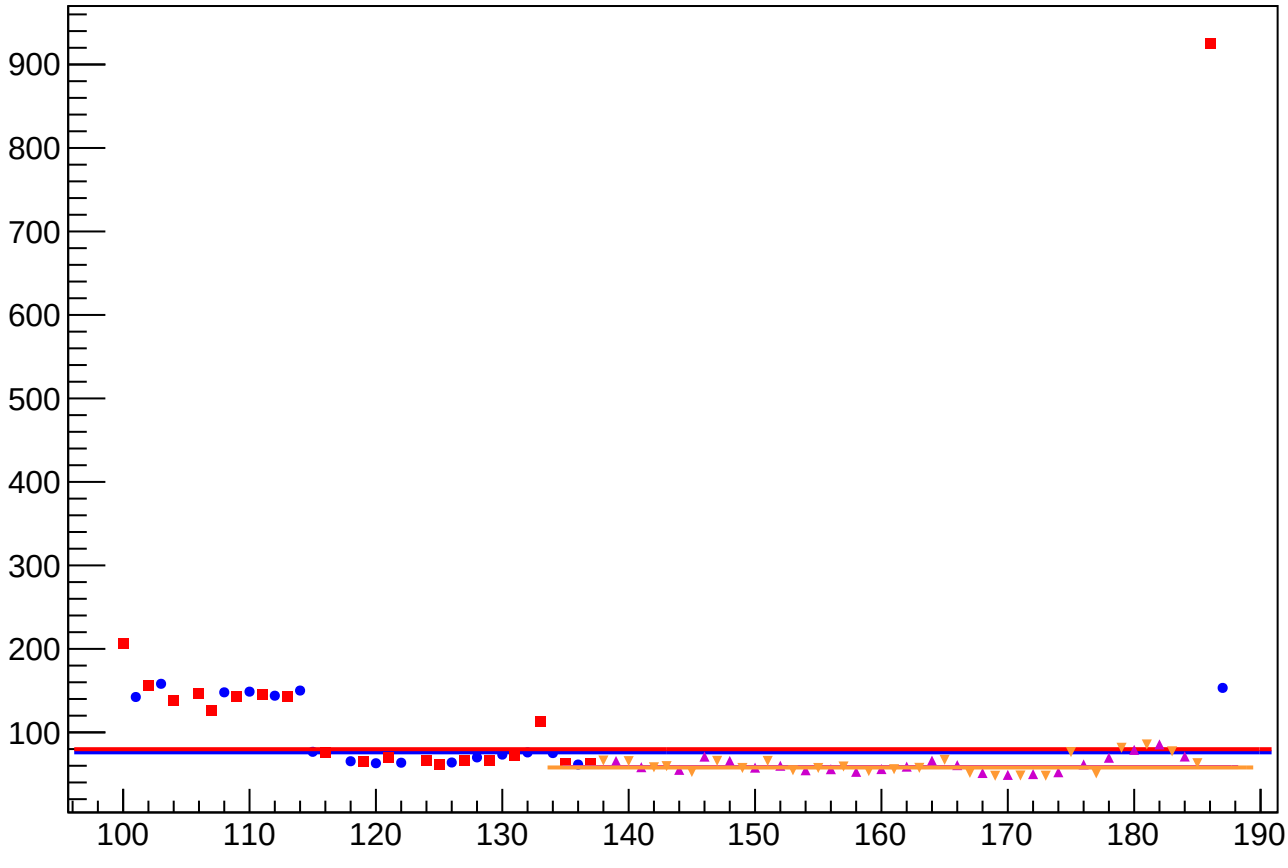
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 42.924+/-21.565 χ^2/NDF: 43.2/36

In: 45.288+/-12.621 χ^2/NDF:50.7/39

Out: 18.946+/-12.357 χ^2/NDF:48.5/44

All: 31.839+/-8.829 χ^2/NDF: 101.4/84



Right In: 76.079+/-0.021 χ^2/NDF: 1558533.0/16

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 79.858+/-0.022 χ^2/NDF: 2363318.1/19

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

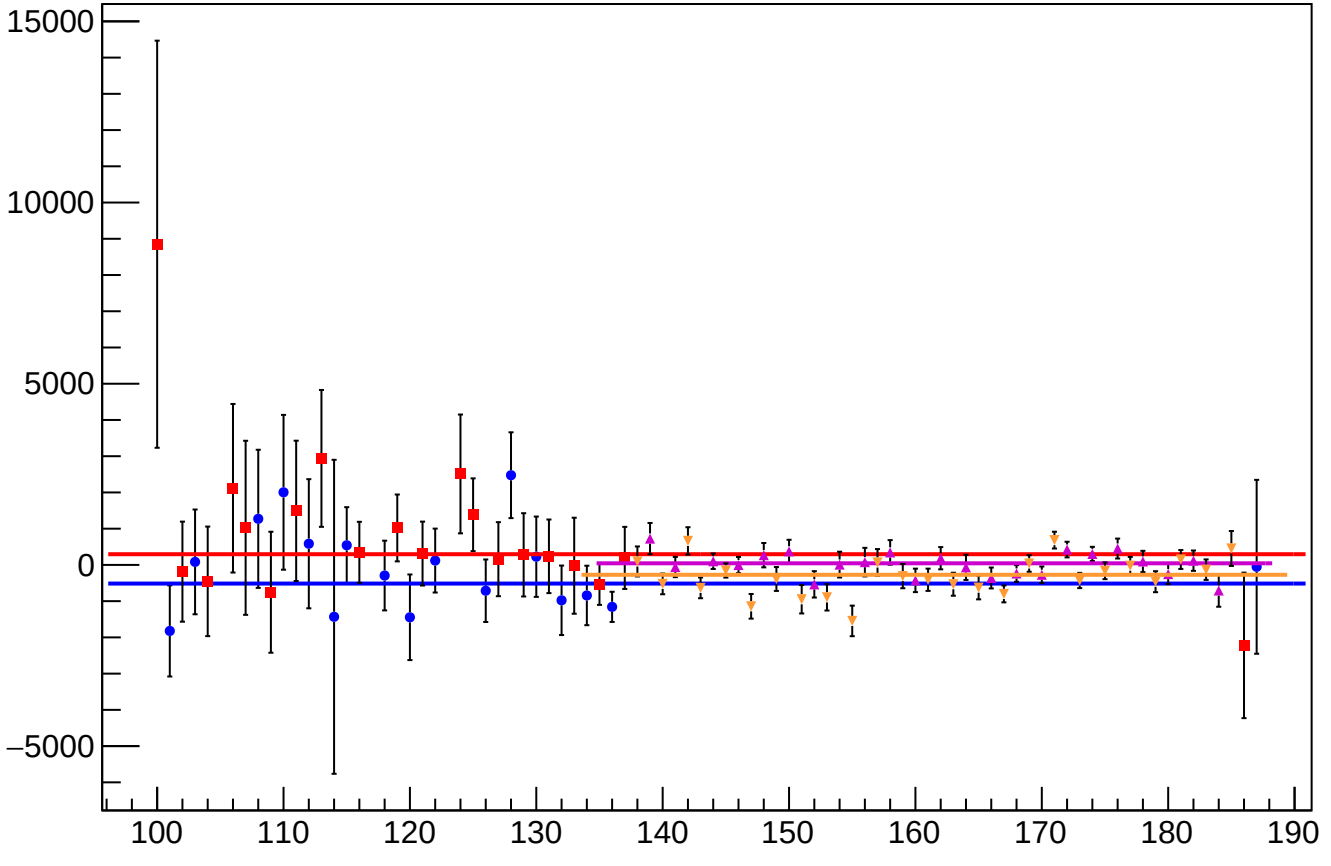
Right: 77.880+/-0.015 χ^2/NDF: 3937165.7/36

In: 61.635+/-0.009 χ^2/NDF:2780783.0/39

Out: 61.390+/-0.009 χ^2/NDF:4088729.4/44

All: 61.510+/-0.006 χ^2/NDF: 6869895.3/84

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -514.572+/-240.105 χ^2/NDF: 15.8/16

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 295.622+/-254.546 χ^2/NDF: 13.5/19

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

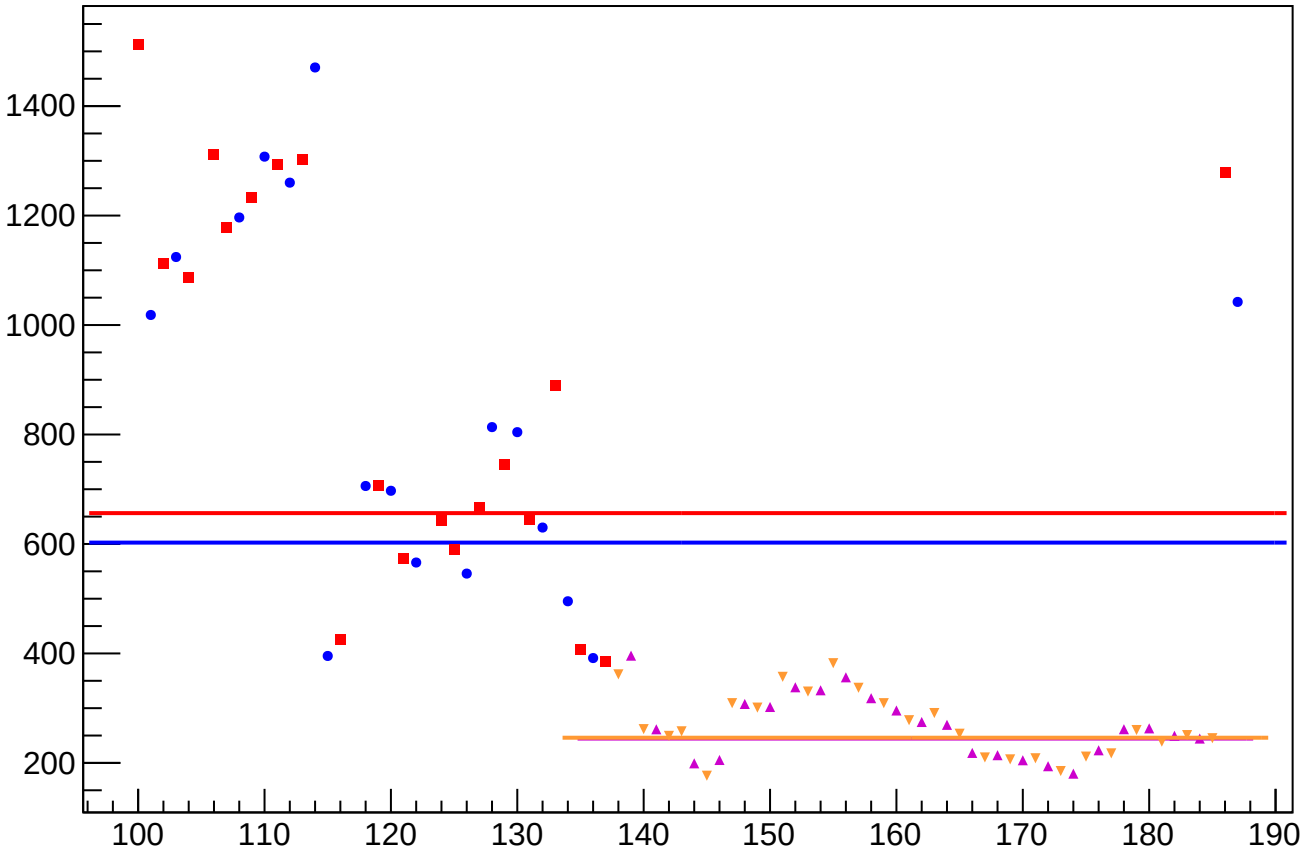
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -133.108+/-174.662 χ^2/NDF: 34.7/36

In: 13.106+/-56.942 χ^2/NDF:47.4/39

Out: -245.136+/-55.877 χ^2/NDF:84.0/44

All: -118.452+/-39.882 χ^2/NDF: 141.9/84



Right In: 602.492+/-0.170 χ^2/NDF: 2115668.2/16

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 656.370+/-0.180 χ^2/NDF: 2401210.0/19

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

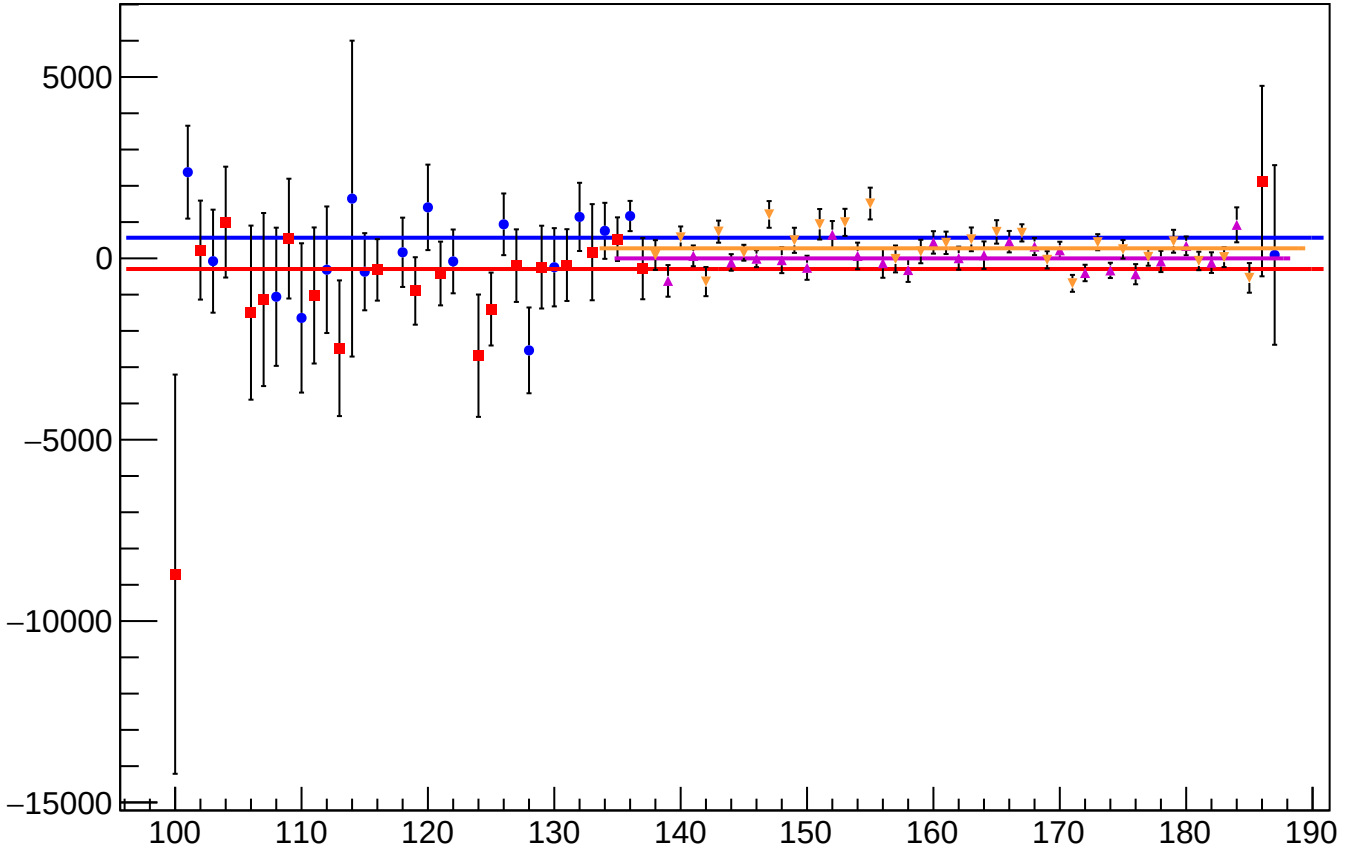
Right: 627.859+/-0.124 χ^2/NDF: 4564293.4/36

In: 264.587+/-0.040 χ^2/NDF:7909814.6/39

Out: 265.790+/-0.040 χ^2/NDF:9029032.3/44

All: 265.200+/-0.028 χ^2/NDF: 16939301.7/84

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 568.952+/-237.817 χ^2/NDF: 16.6/16

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -293.381+/-256.999 χ^2/NDF: 11.9/19

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

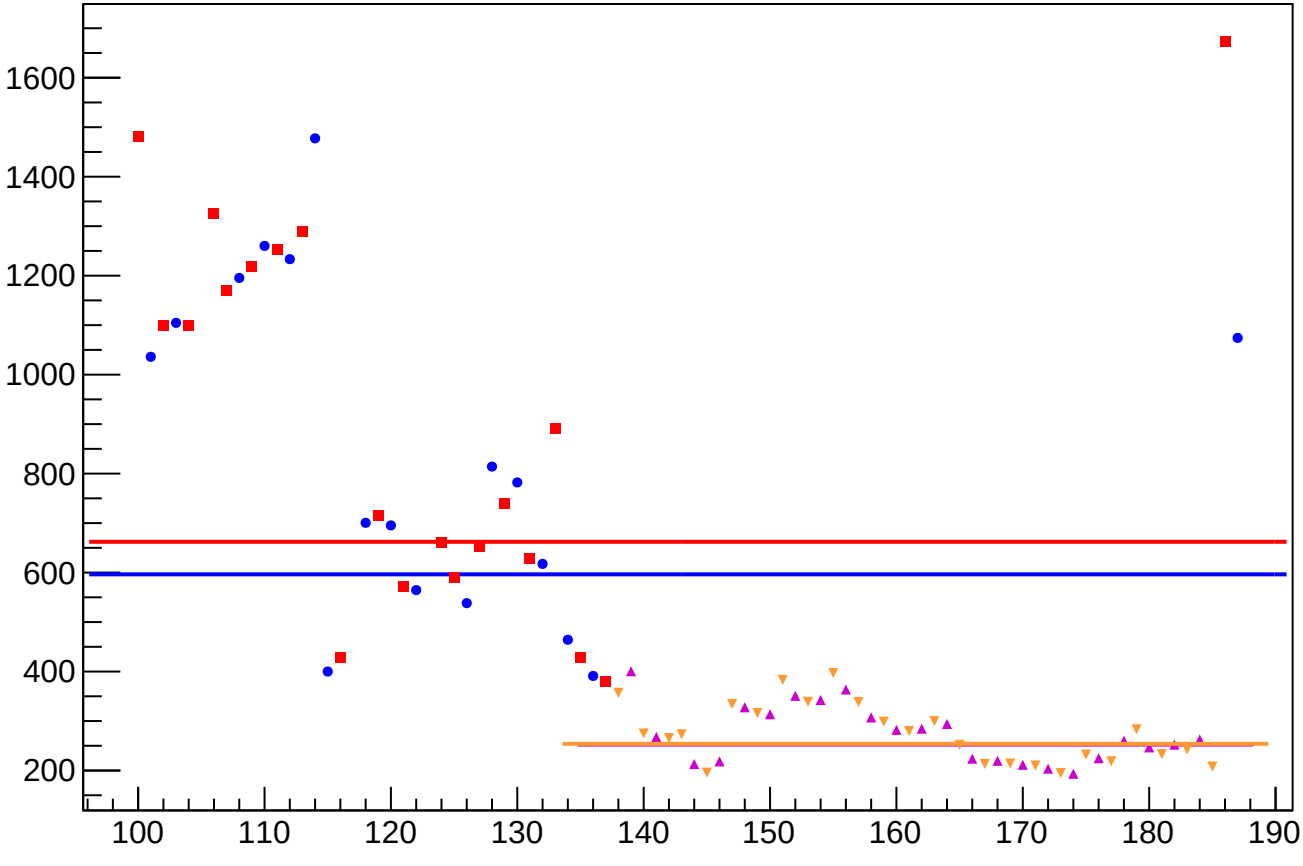
Right: 171.164+/-174.550 χ^2/NDF: 34.5/36

In: 33.907+/-58.502 χ^2/NDF:50.1/39

Out: 248.380+/-57.642 χ^2/NDF:80.6/44

All: 142.731+/-41.059 χ^2/NDF: 137.6/84

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 596.422+/-0.168 χ^2/NDF: 2110853.0/16

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 662.236+/-0.182 χ^2/NDF: 2389242.9/19

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

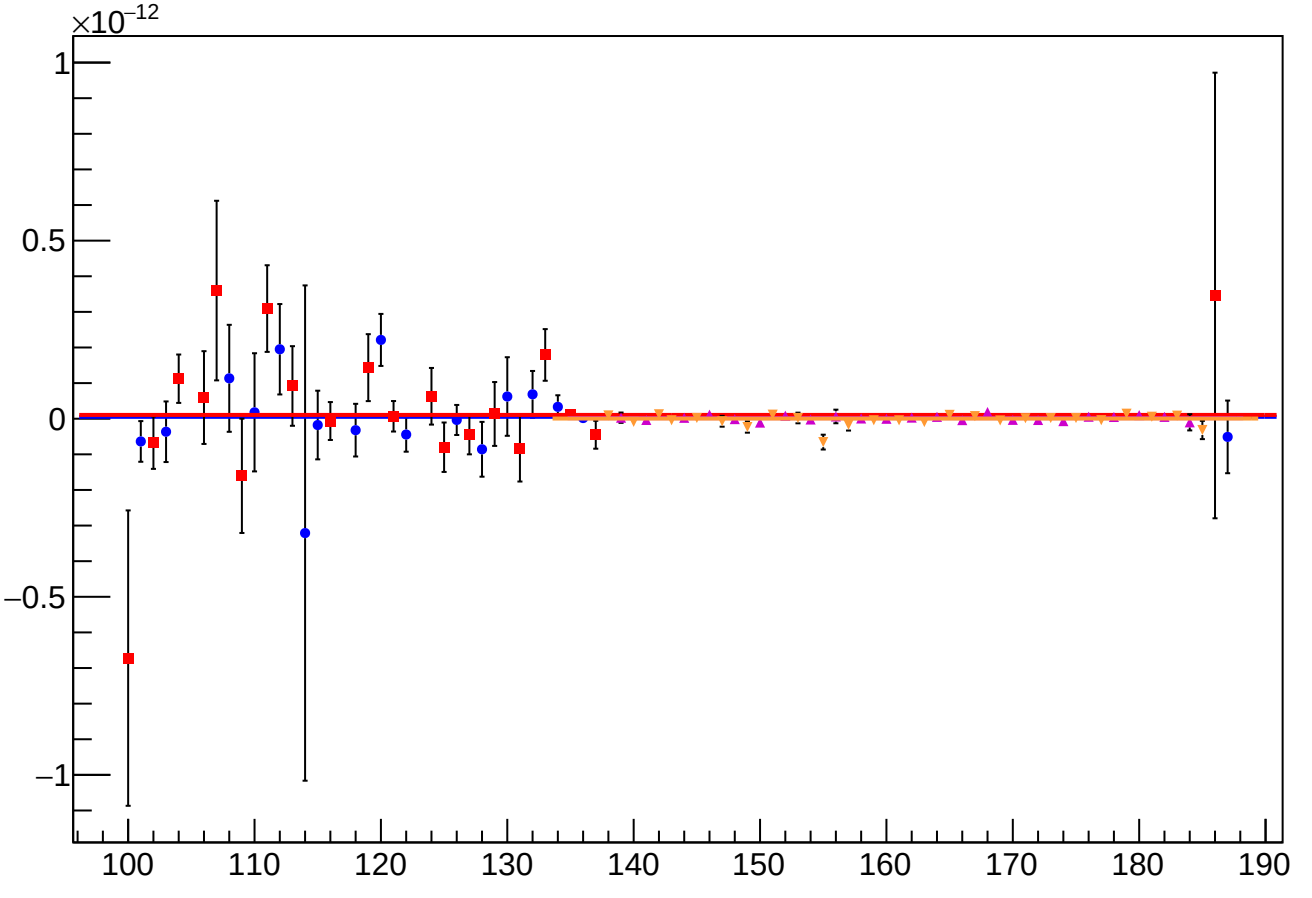
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 626.782+/-0.123 χ^2/NDF: 4570754.2/36

In: 273.208+/-0.041 χ^2/NDF:7455194.7/39

Out: 274.492+/-0.041 χ^2/NDF:8773752.8/44

All: 273.860+/-0.029 χ^2/NDF: 16229436.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/19

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

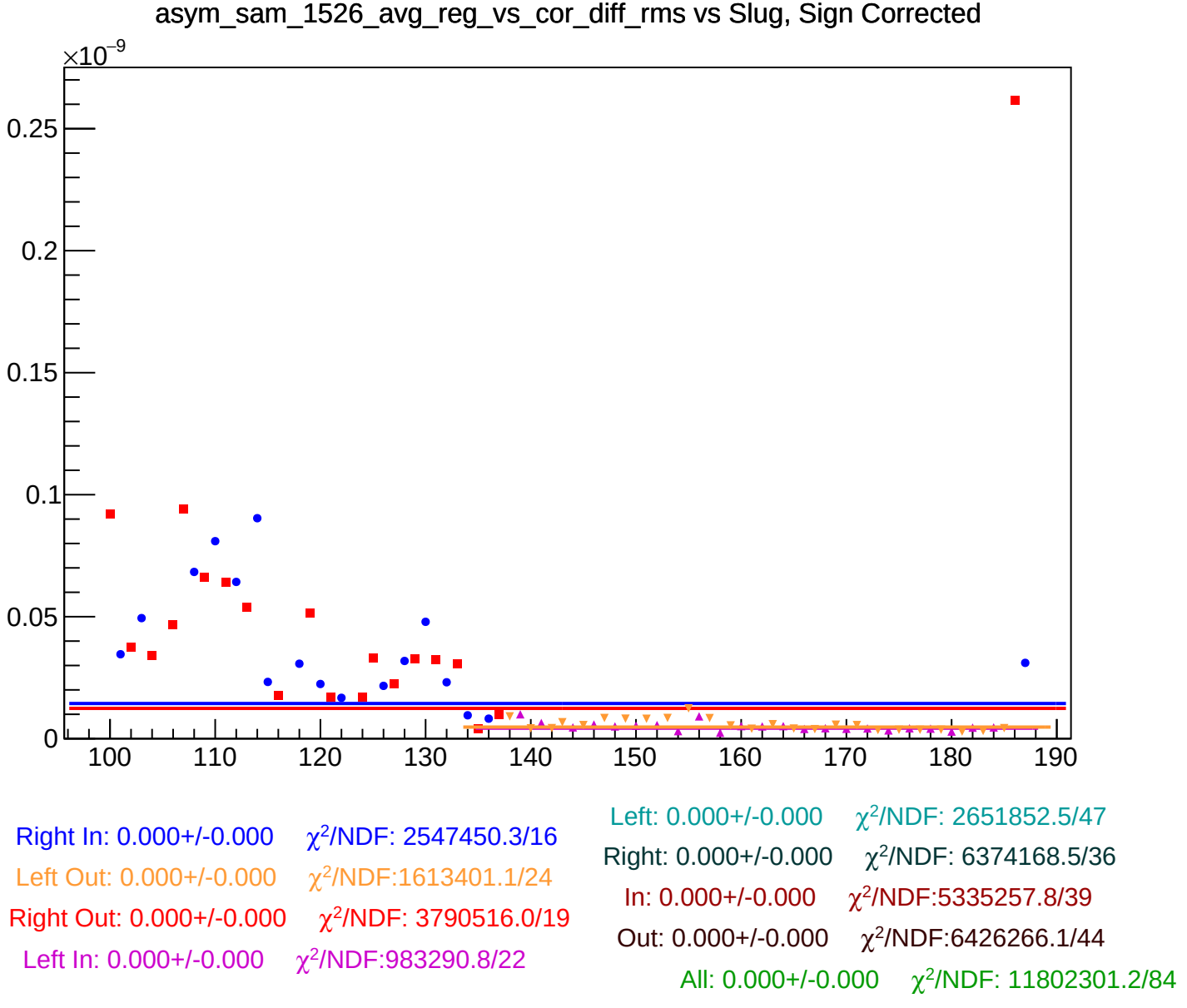
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

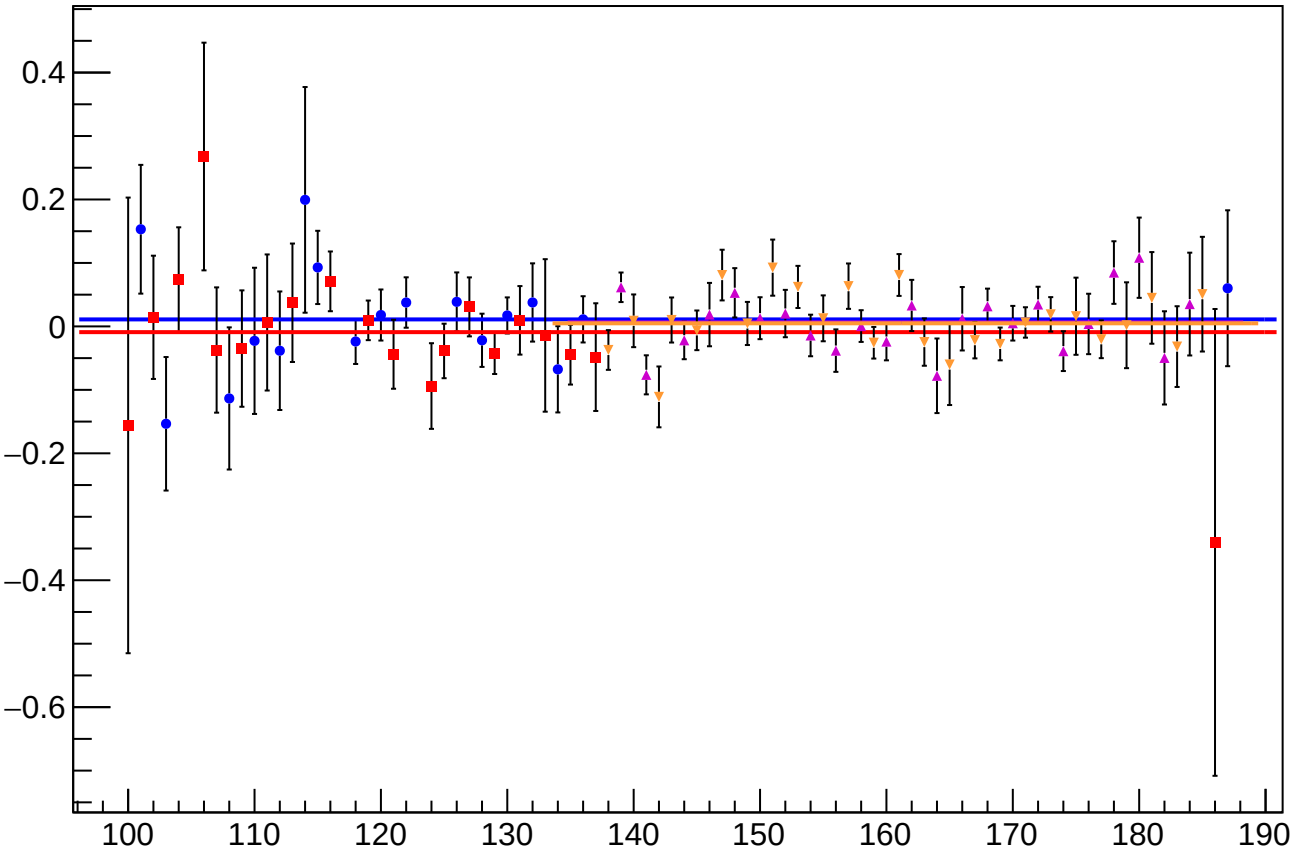
Right: 0.000+/-0.000 χ^2/NDF: 48.4/36

In: 0.000+/-0.000 χ^2/NDF:32.6/39

Out: 0.000+/-0.000 χ^2/NDF:57.6/44

All: 0.000+/-0.000 χ^2/NDF: 90.3/84


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2547450.3/16
Left Out: 0.000+/-0.000 χ²/NDF:1613401.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 3790516.0/19
Left In: 0.000+/-0.000 χ²/NDF:983290.8/22
Left: 0.000+/-0.000 χ²/NDF: 2651852.5/47
Right: 0.000+/-0.000 χ²/NDF: 6374168.5/36
In: 0.000+/-0.000 χ²/NDF:5335257.8/39
Out: 0.000+/-0.000 χ²/NDF:6426266.1/44
All: 0.000+/-0.000 χ²/NDF: 11802301.2/84



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

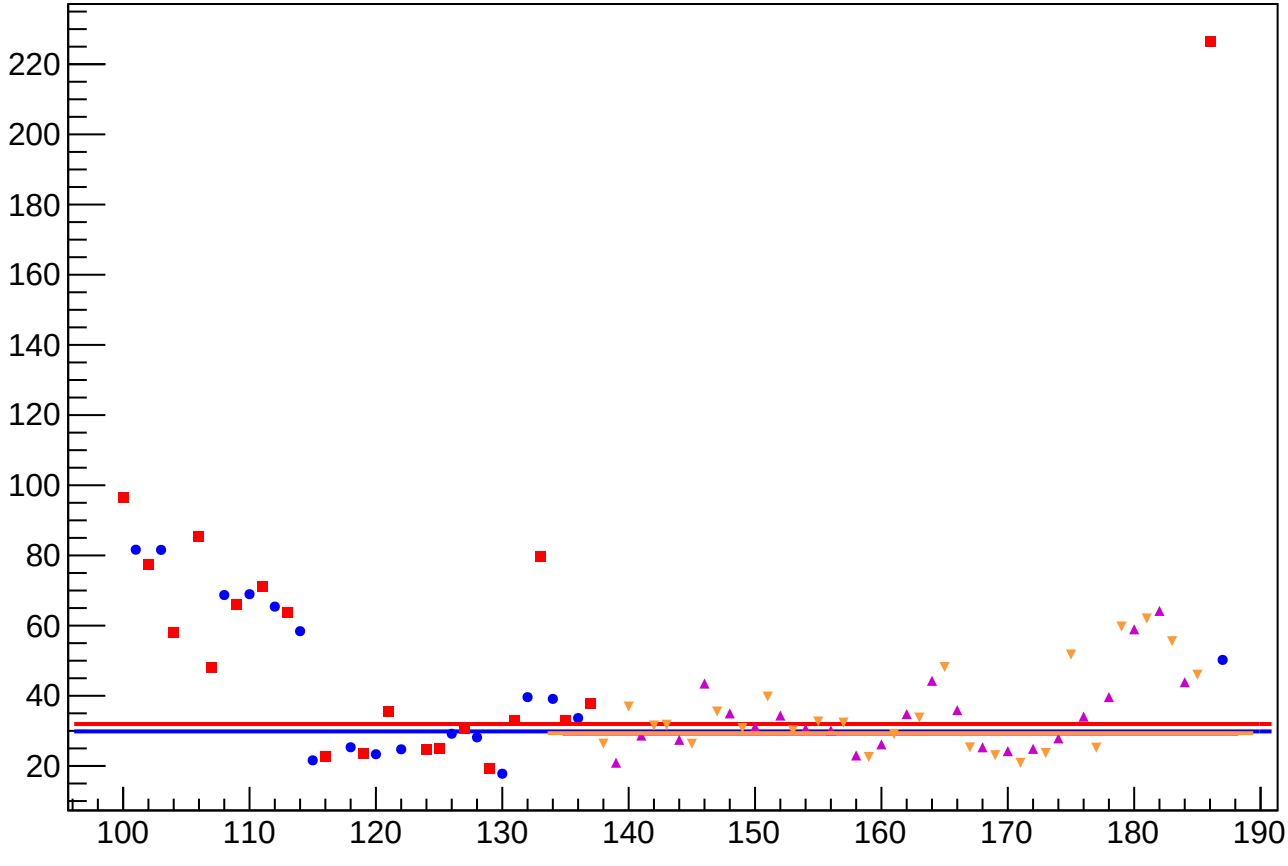
Right: 0.002+/-0.009 χ^2/NDF: 27.8/36

In: 0.007+/-0.006 χ^2/NDF:44.4/39

Out: 0.002+/-0.006 χ^2/NDF:48.1/44

All: 0.005+/-0.004 χ^2/NDF: 92.9/84

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.848+/-0.009 χ^2/NDF: 2504089.7/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 31.964+/-0.009 χ^2/NDF: 3211411.2/19

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

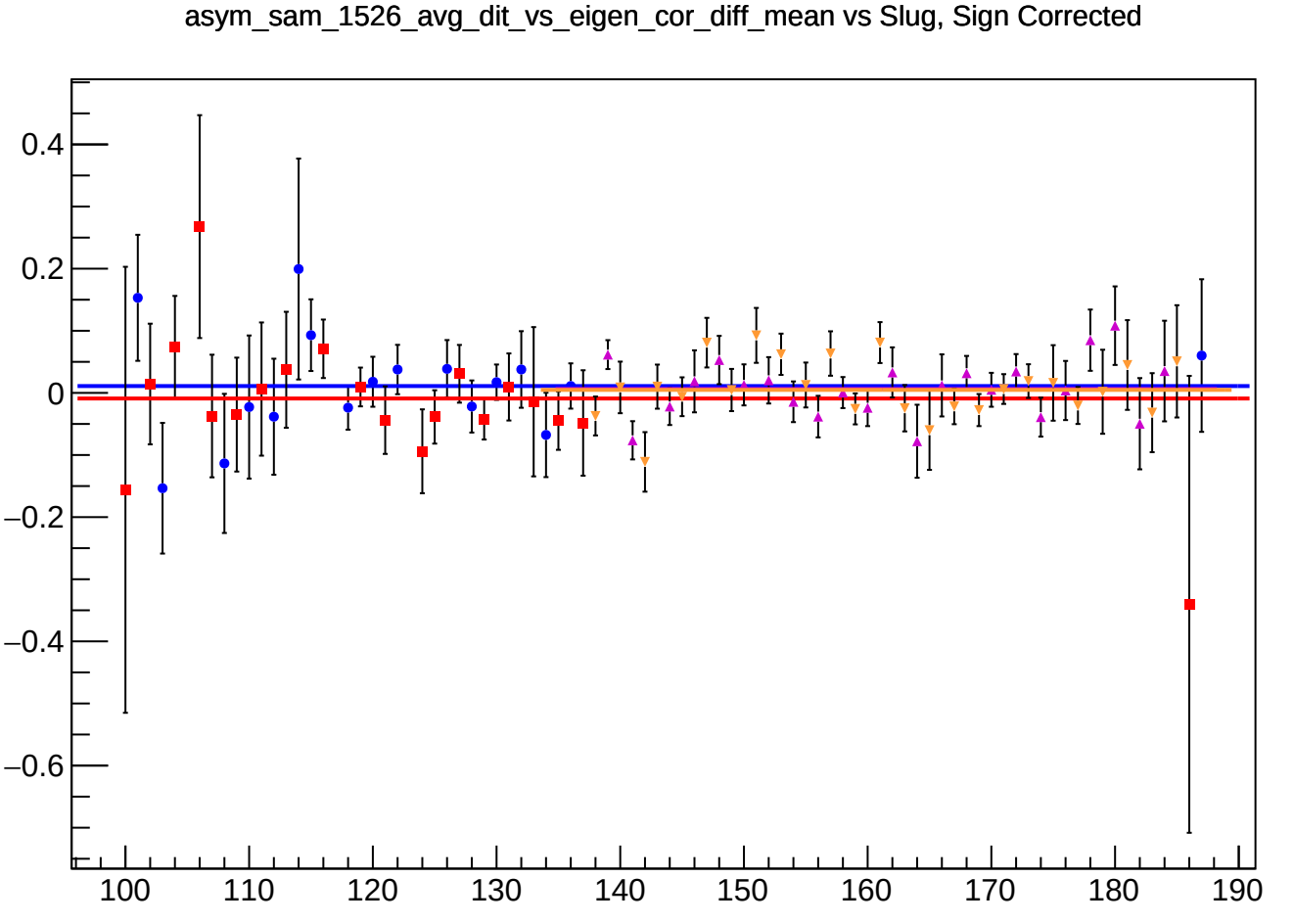
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 30.845+/-0.006 χ^2/NDF: 5742561.8/36

In: 29.383+/-0.004 χ^2/NDF:4605444.0/39

Out: 29.925+/-0.004 χ^2/NDF:5959743.7/44

All: 29.655+/-0.003 χ^2/NDF: 10572669.1/84



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

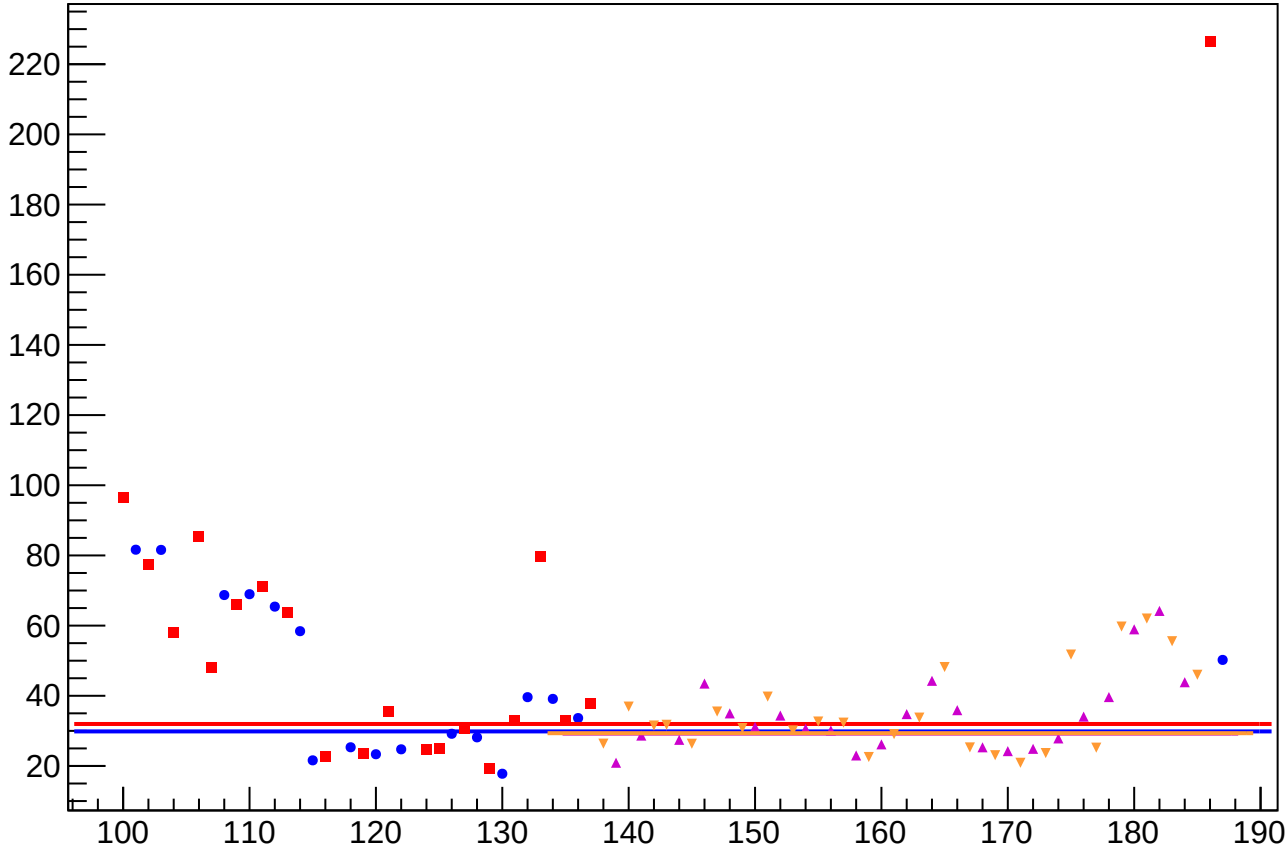
Right: 0.002+/-0.009 χ^2/NDF: 27.8/36

In: 0.007+/-0.006 χ^2/NDF:44.4/39

Out: 0.002+/-0.006 χ^2/NDF:48.1/44

All: 0.005+/-0.004 χ^2/NDF: 92.9/84

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.848+/-0.009 χ^2/NDF: 2504089.7/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 31.964+/-0.009 χ^2/NDF: 3211411.2/19

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

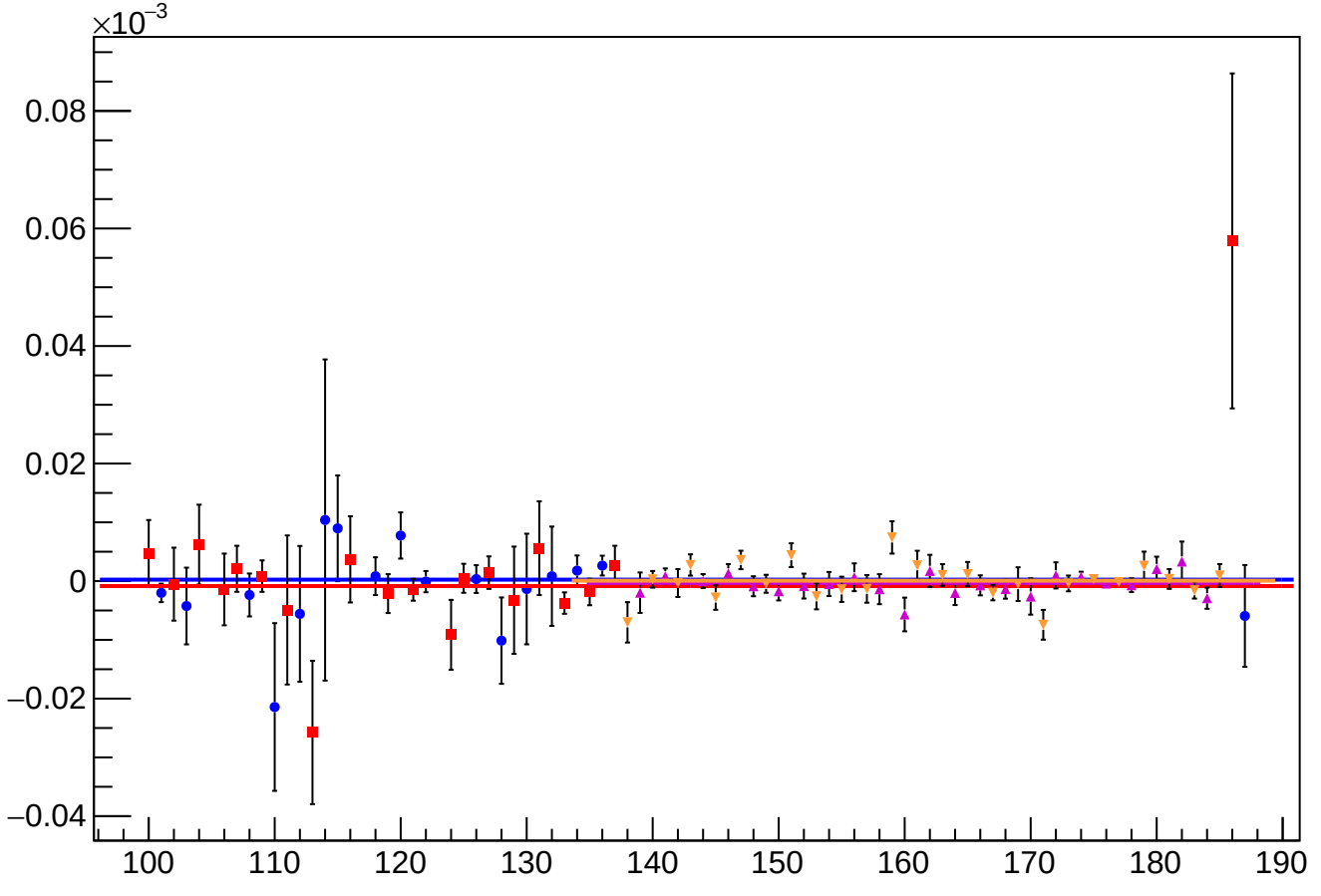
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 30.845+/-0.006 χ^2/NDF: 5742561.8/36

In: 29.383+/-0.004 χ^2/NDF:4605444.0/39

Out: 29.925+/-0.004 χ^2/NDF:5959743.7/44

All: 29.655+/-0.003 χ^2/NDF: 10572669.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/19

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

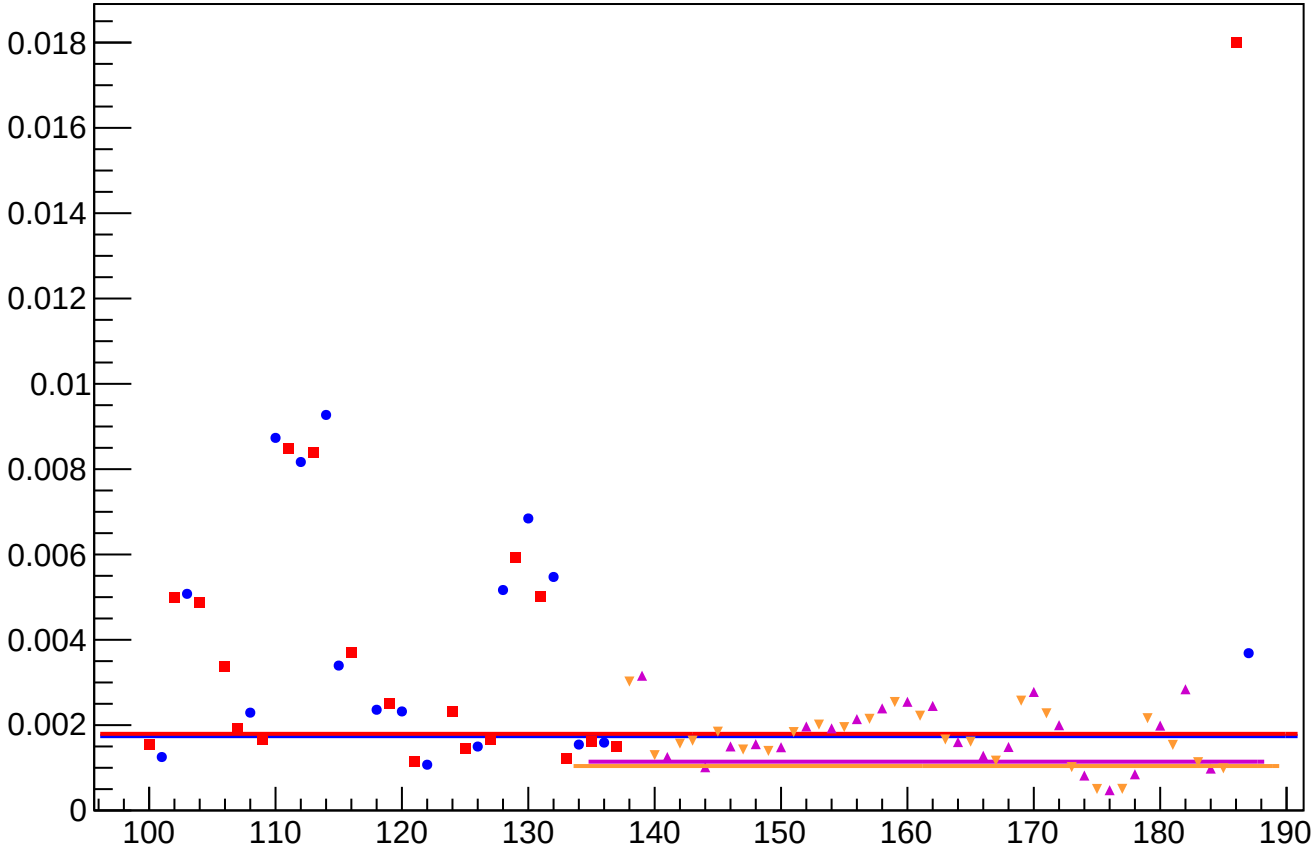
Right: -0.000+/-0.000 χ^2/NDF: 35.9/36

In: -0.000+/-0.000 χ^2/NDF:31.2/39

Out: -0.000+/-0.000 χ^2/NDF:64.6/44

All: -0.000+/-0.000 χ^2/NDF: 96.1/84

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4033803.6/16

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4366322.4/19

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

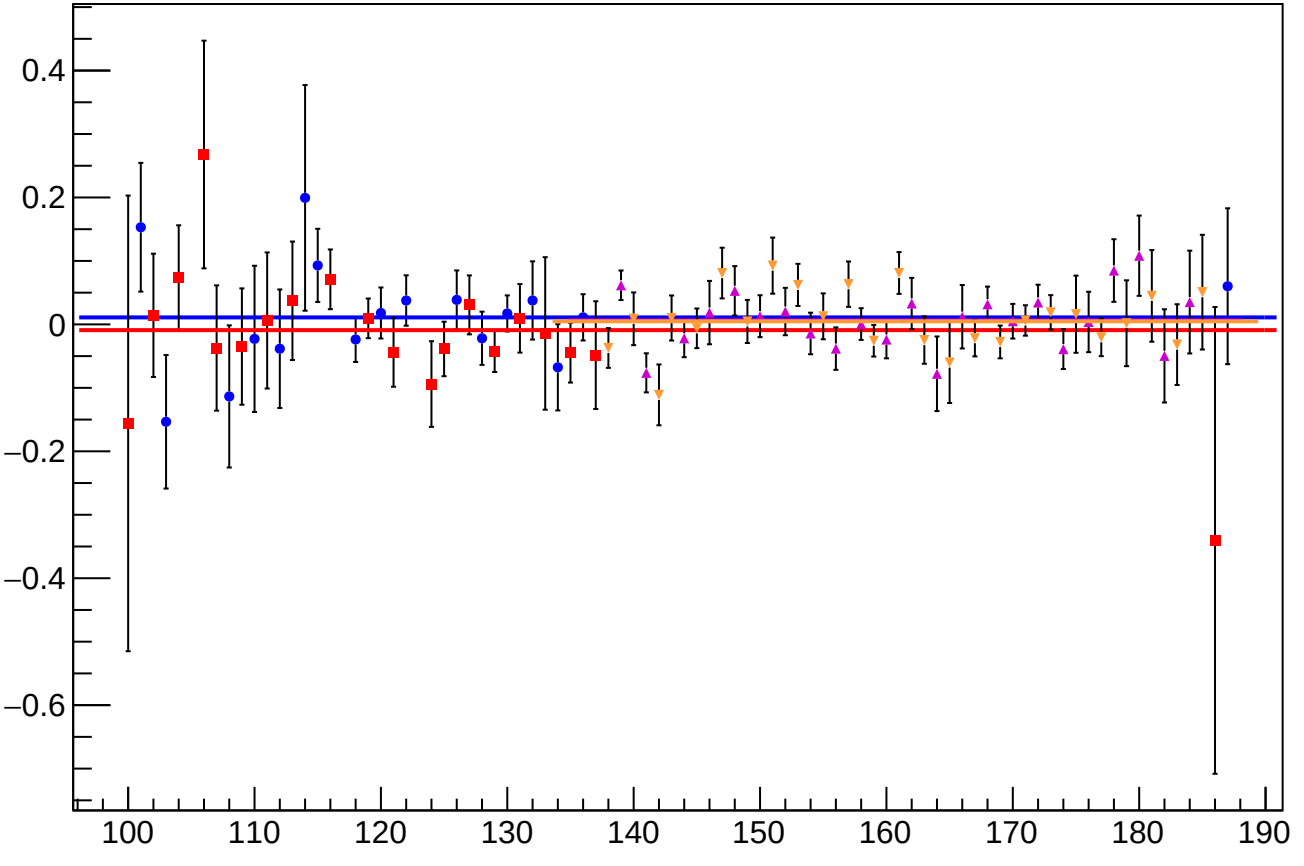
Right: 0.002+/-0.000 χ^2/NDF: 8405195.0/36

In: 0.001+/-0.000 χ^2/NDF:13389075.4/39

Out: 0.001+/-0.000 χ^2/NDF:15868148.1/44

All: 0.001+/-0.000 χ^2/NDF: 29393299.6/84

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

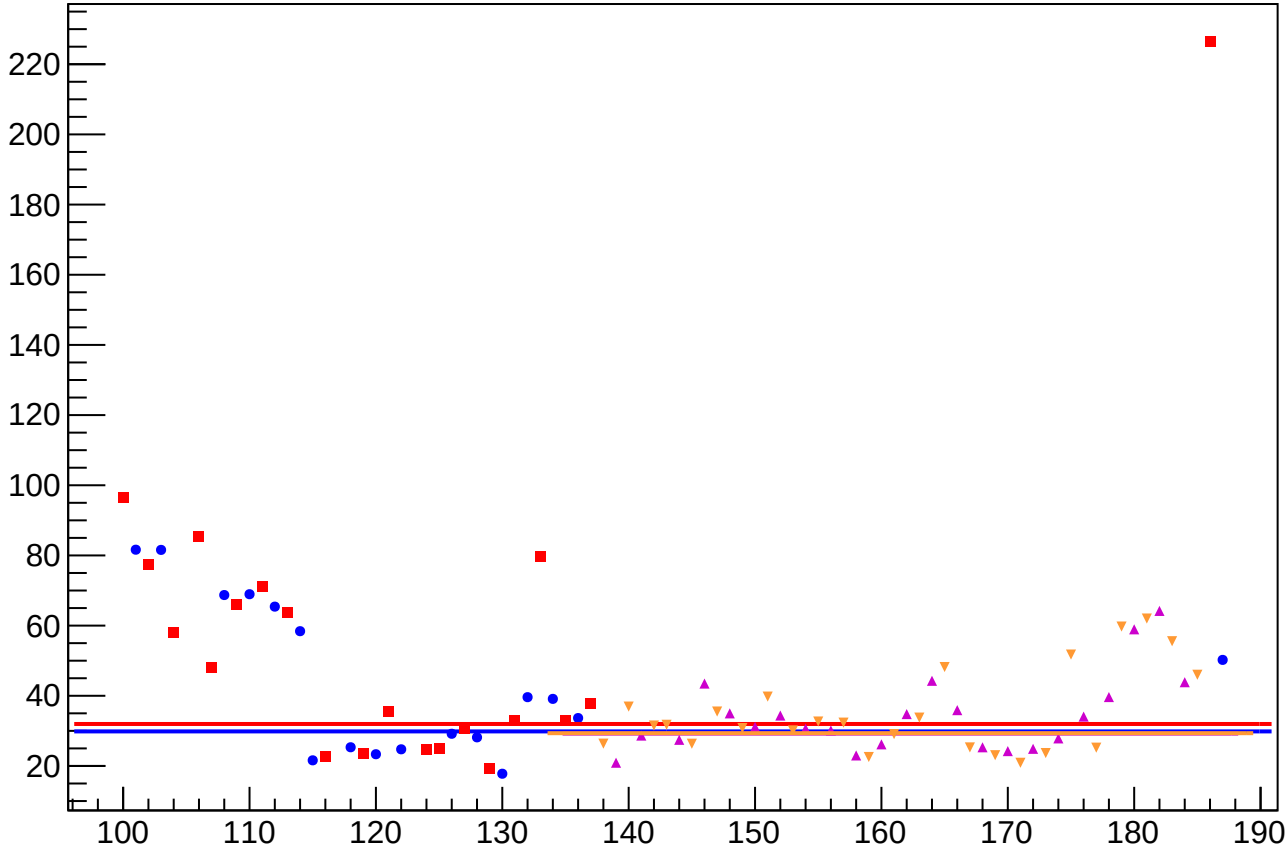
Right: 0.002+/-0.009 χ^2/NDF: 27.8/36

In: 0.007+/-0.006 χ^2/NDF:44.4/39

Out: 0.002+/-0.006 χ^2/NDF:48.1/44

All: 0.005+/-0.004 χ^2/NDF: 92.9/84

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.846+/-0.009 χ^2/NDF: 2504309.2/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 31.963+/-0.009 χ^2/NDF: 3211588.5/19

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

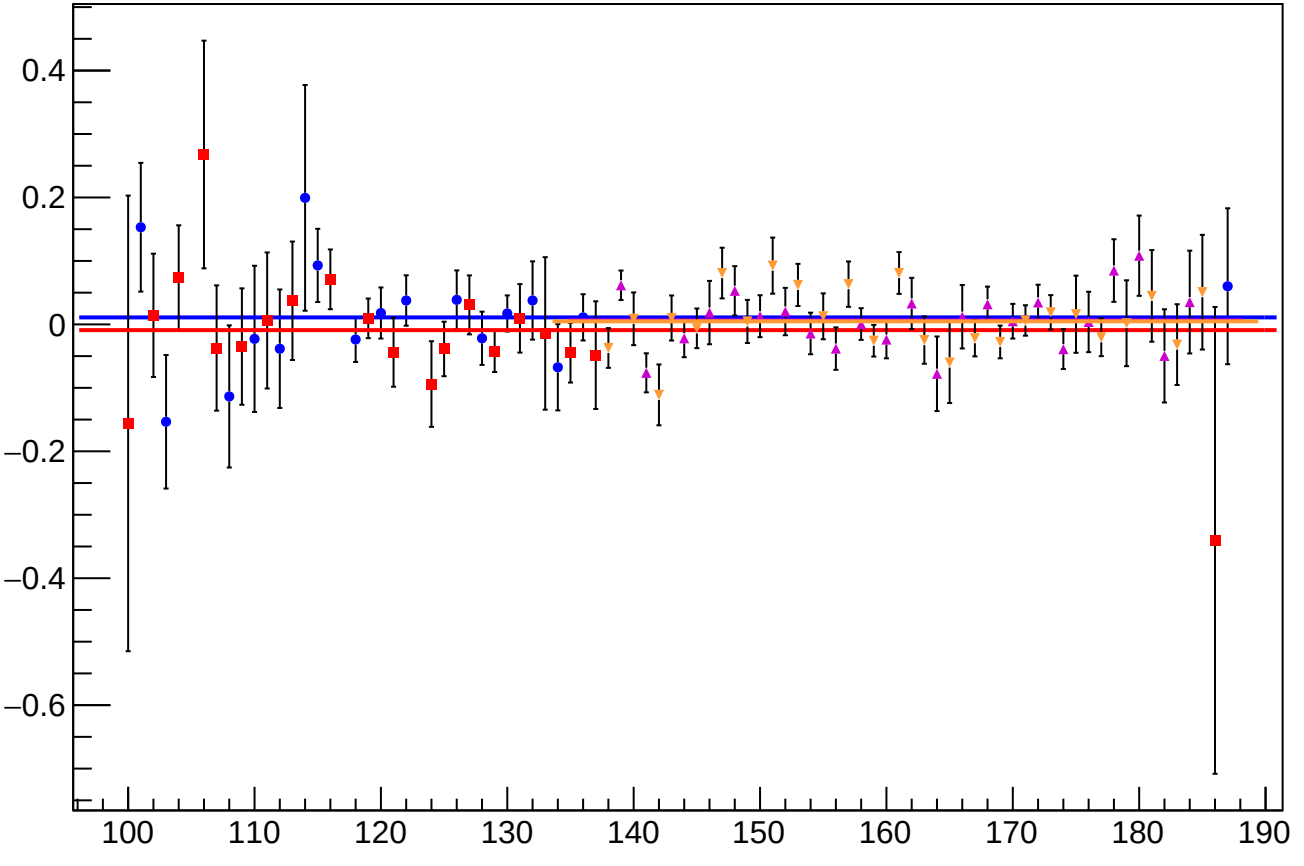
Right: 30.844+/-0.006 χ^2/NDF: 5742959.2/36

In: 29.383+/-0.004 χ^2/NDF:4605607.8/39

Out: 29.925+/-0.004 χ^2/NDF:5959896.8/44

All: 29.655+/-0.003 χ^2/NDF: 10572983.0/84

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

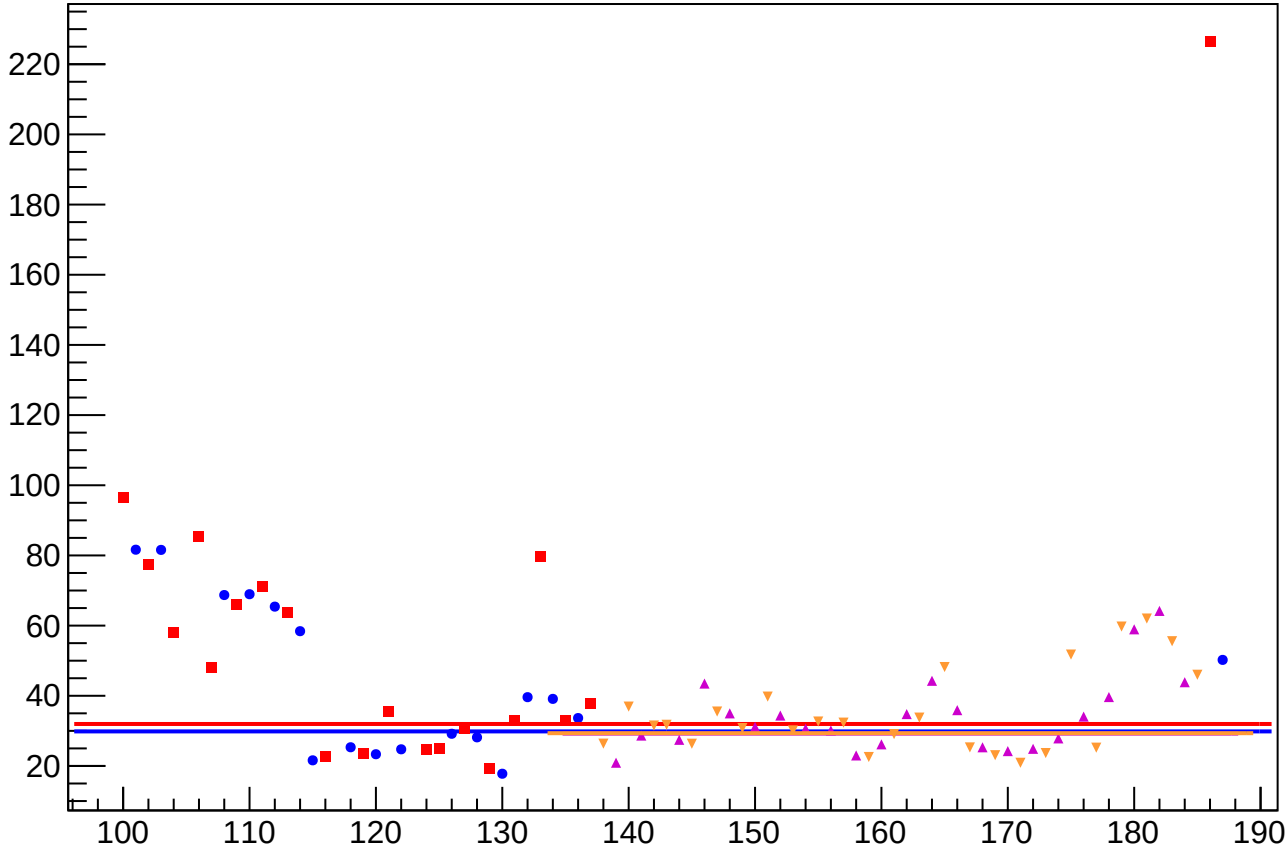
Right: 0.002+/-0.009 χ^2/NDF: 27.8/36

In: 0.007+/-0.006 χ^2/NDF:44.4/39

Out: 0.002+/-0.006 χ^2/NDF:48.1/44

All: 0.005+/-0.004 χ^2/NDF: 92.9/84

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.846+/-0.009 χ^2/NDF: 2504309.2/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 31.963+/-0.009 χ^2/NDF: 3211588.5/19

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

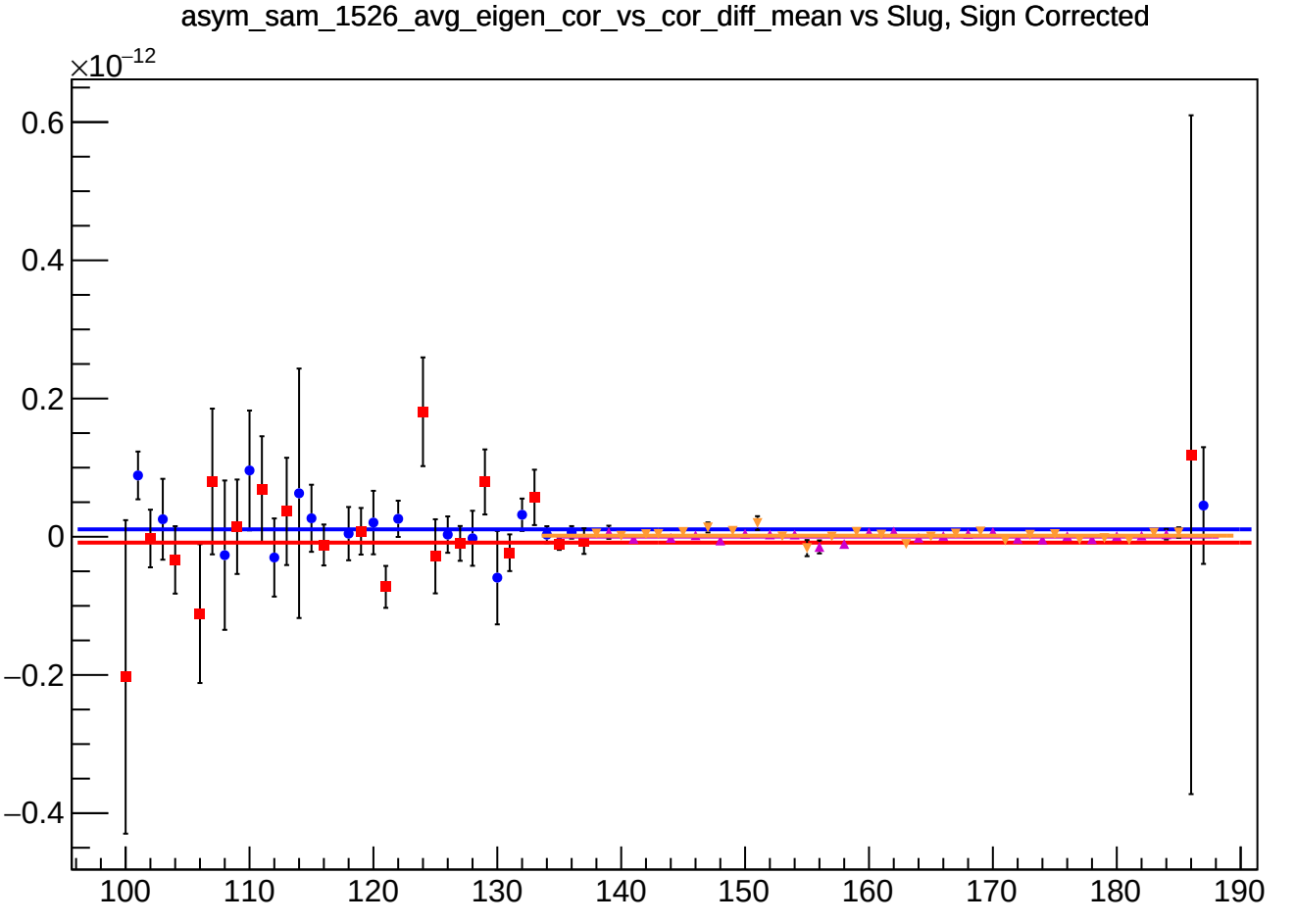
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 30.844+/-0.006 χ^2/NDF: 5742959.2/36

In: 29.383+/-0.004 χ^2/NDF:4605607.8/39

Out: 29.925+/-0.004 χ^2/NDF:5959896.8/44

All: 29.655+/-0.003 χ^2/NDF: 10572983.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 10.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/19

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

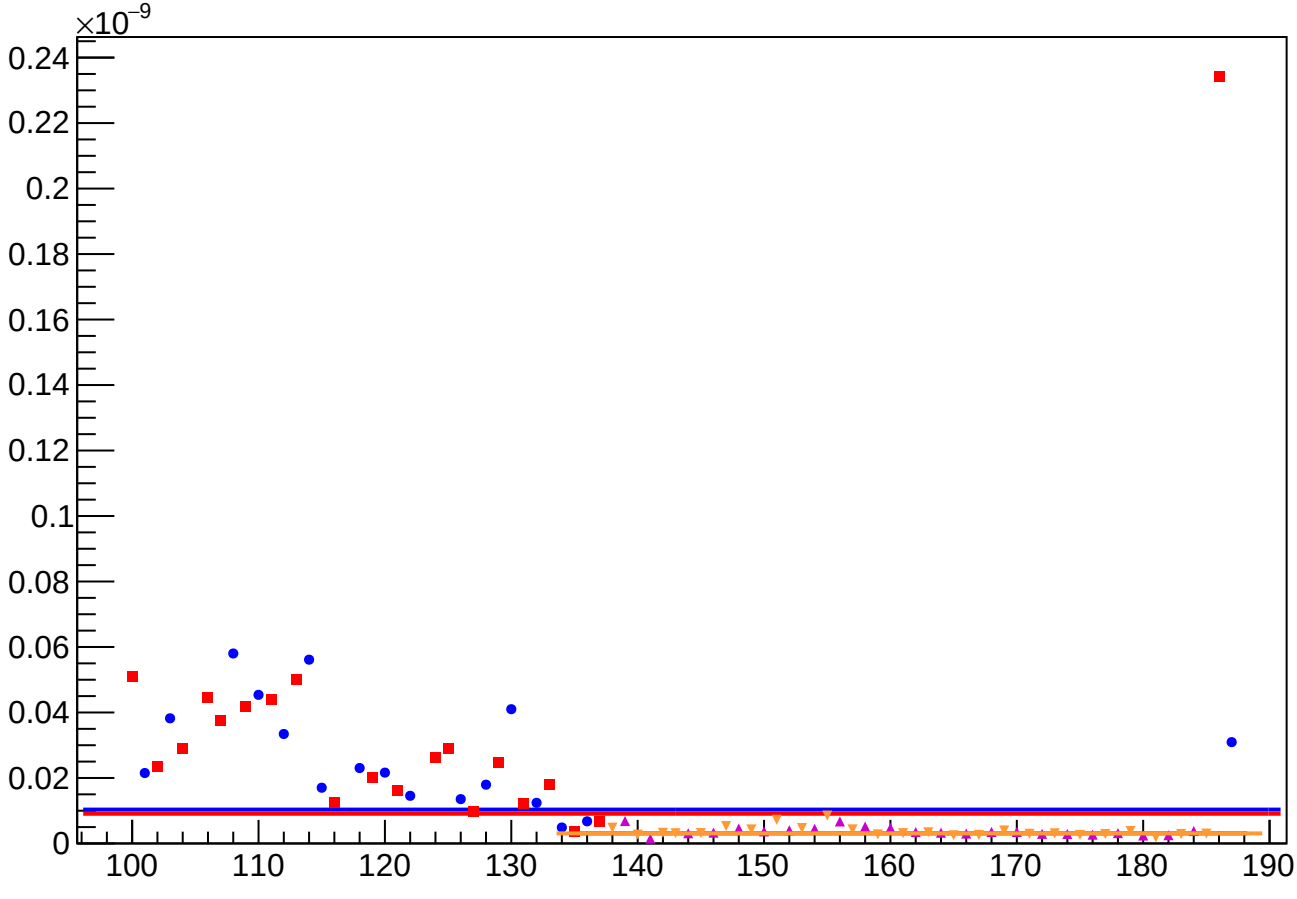
Right: 0.000+/-0.000 χ^2/NDF: 36.9/36

In: 0.000+/-0.000 χ^2/NDF:31.8/39

Out: 0.000+/-0.000 χ^2/NDF:59.3/44

All: 0.000+/-0.000 χ^2/NDF: 91.5/84

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3631321.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4934960.3/19

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

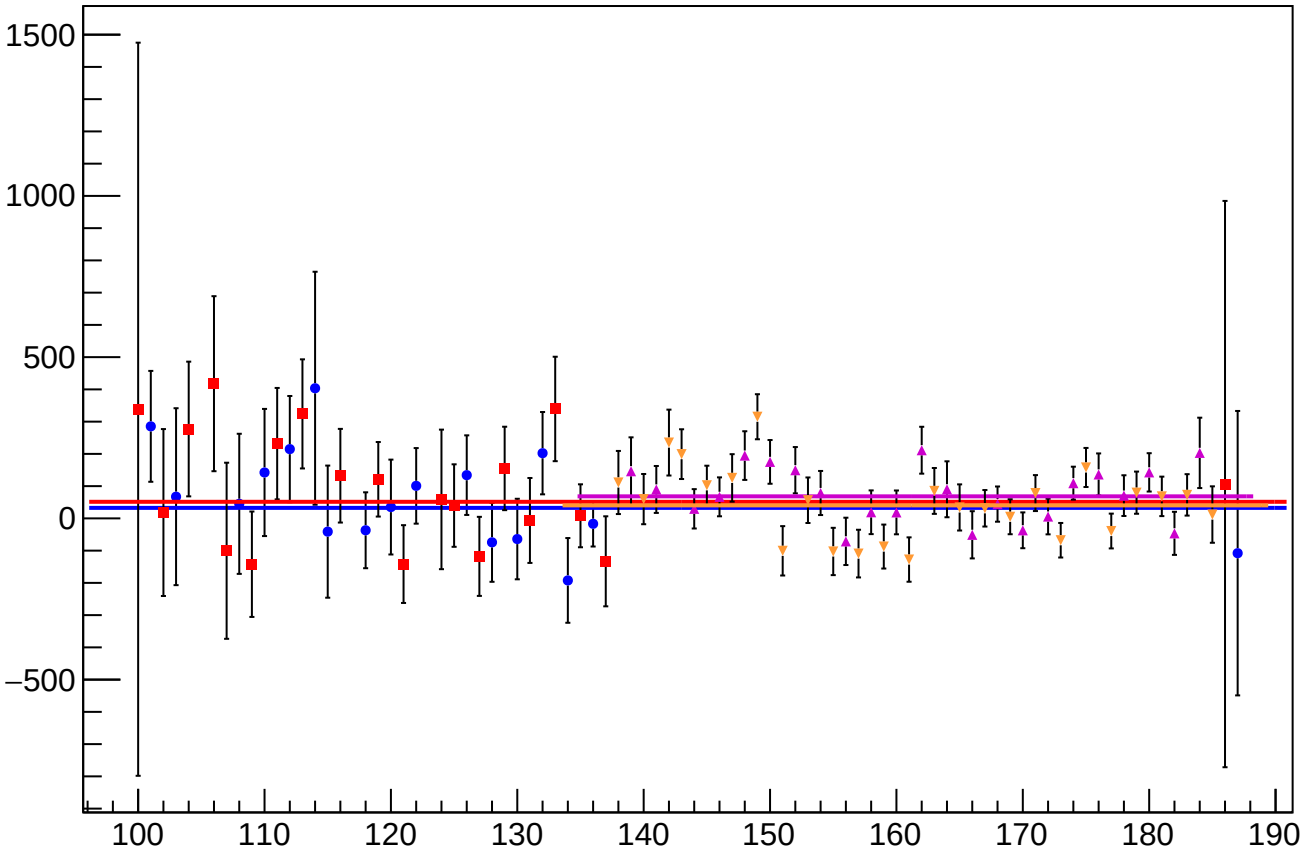
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8611817.4/36

In: 0.000+/-0.000 χ^2/NDF:8656616.8/39

Out: 0.000+/-0.000 χ^2/NDF:8961546.1/44

All: 0.000+/-0.000 χ^2/NDF: 17620078.1/84



Right In: 32.602+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 51.422+/-34.824 χ^2/NDF: 19.6/19

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

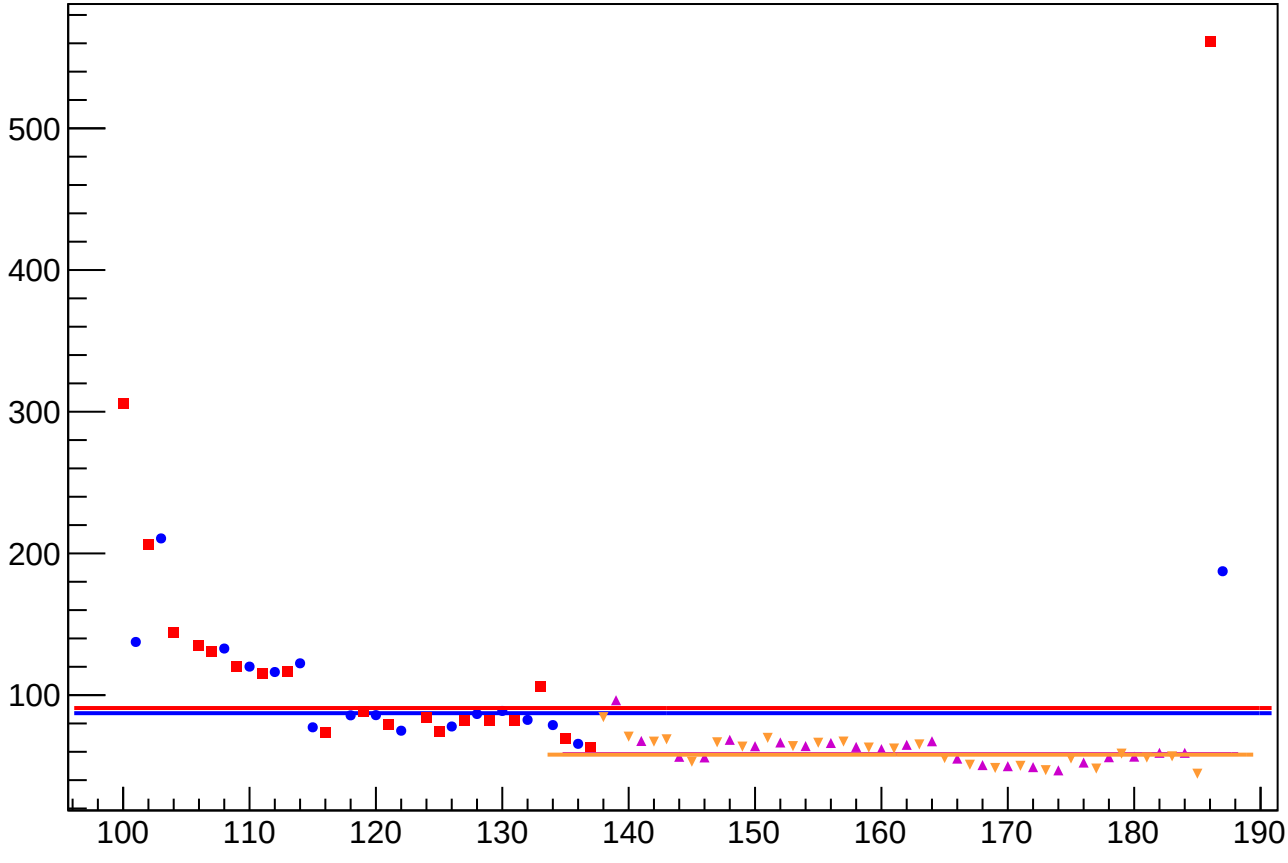
Right: 41.726+/-24.247 χ^2/NDF: 32.6/36

In: 63.190+/-12.828 χ^2/NDF:45.6/39

Out: 41.771+/-12.508 χ^2/NDF:79.1/44

All: 52.210+/-8.955 χ^2/NDF: 126.1/84

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 87.257+/-0.024 χ^2/NDF: 1142599.9/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 90.894+/-0.025 χ^2/NDF: 1724761.2/19

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

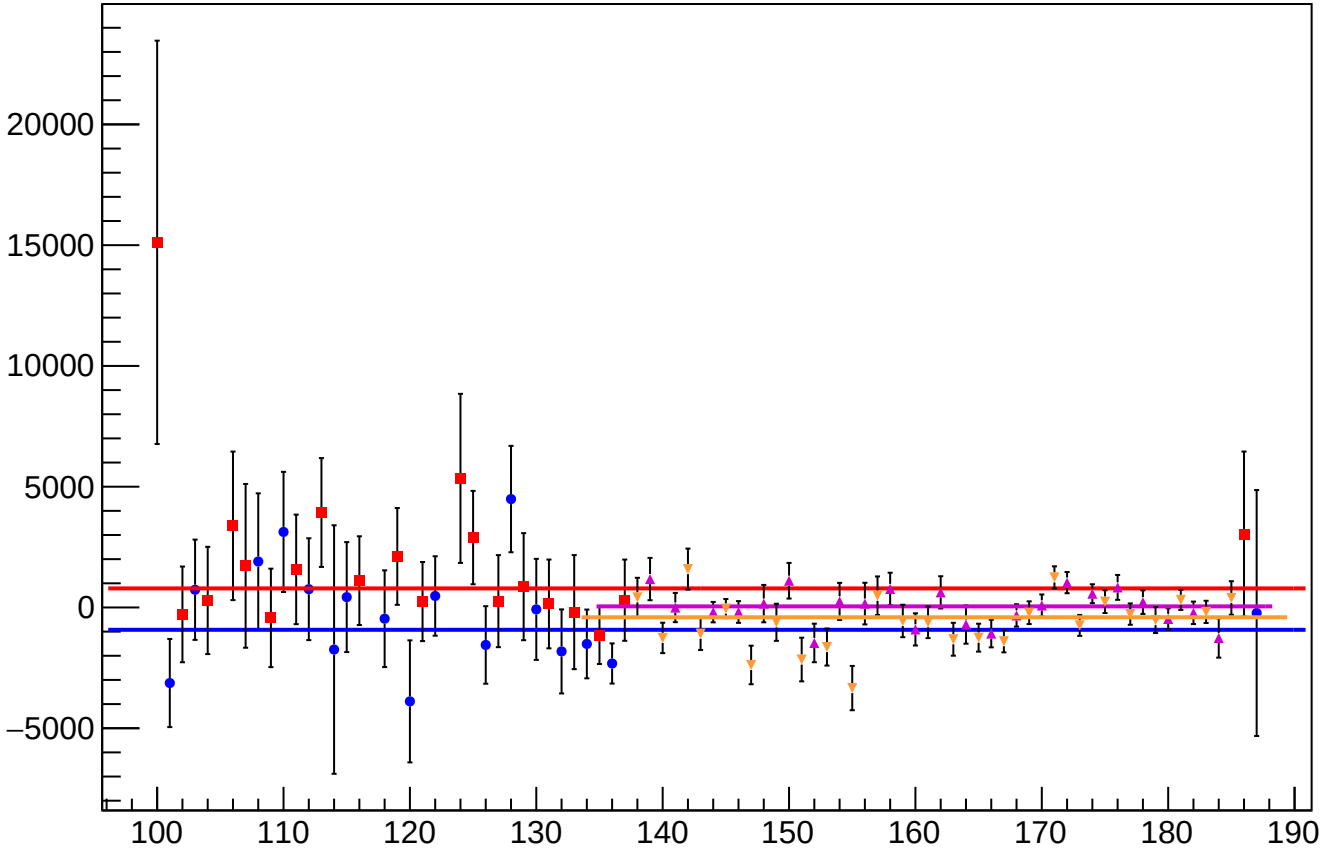
Right: 89.020+/-0.017 χ^2/NDF: 2878597.7/36

In: 62.558+/-0.009 χ^2/NDF:3127116.1/39

Out: 62.240+/-0.009 χ^2/NDF:4087115.1/44

All: 62.395+/-0.006 χ^2/NDF: 7214863.8/84

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -924.612+/-439.249 χ^2/NDF: 18.5/16

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 789.453+/-463.572 χ^2/NDF: 13.4/19

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

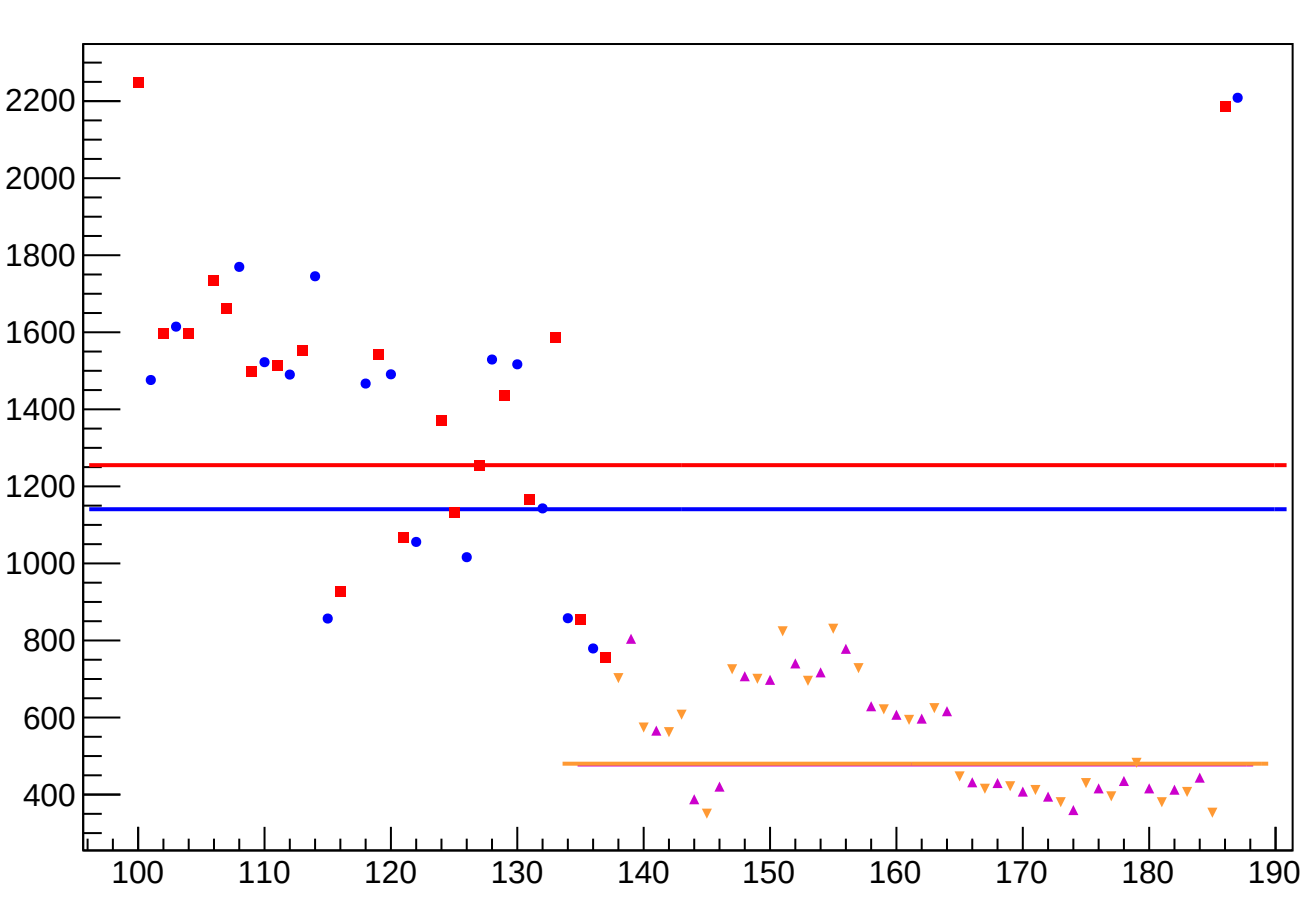
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

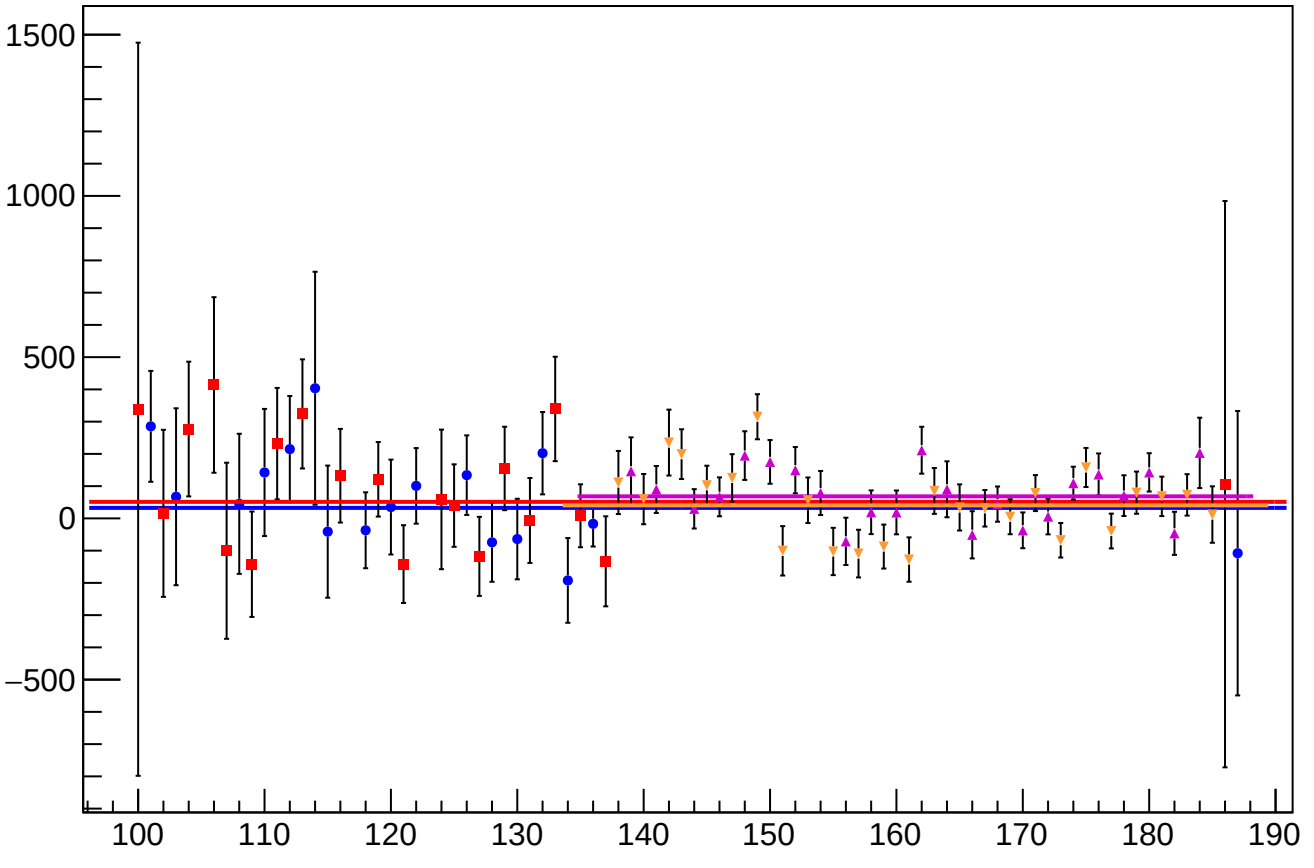
Right: -113.724+/-318.848 χ^2/NDF: 39.2/36

In: -18.133+/-111.943 χ^2/NDF:54.2/39

Out: -338.731+/-110.214 χ^2/NDF:82.9/44

All: -180.926+/-78.537 χ^2/NDF: 141.2/84


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
180
190
Right In: 1140.697+/-0.311 χ²/NDF: 1212822.9/16
Left Out: 480.162+/-0.080 χ²/NDF:2582213.9/24
Right Out: 1255.069+/-0.328 χ²/NDF: 1046773.2/19
Left In: 478.084+/-0.082 χ²/NDF:2215520.4/22
Left: 479.144+/-0.057 χ²/NDF: 4798063.1/47
Right: 1194.804+/-0.225 χ²/NDF: 2323743.7/36
In: 521.119+/-0.079 χ²/NDF:7683977.6/39
Out: 523.963+/-0.078 χ²/NDF:8901595.5/44
All: 522.563+/-0.056 χ²/NDF: 16586228.7/84



Right In: 32.593+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 51.274+/-34.826 χ^2/NDF: 19.5/19

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

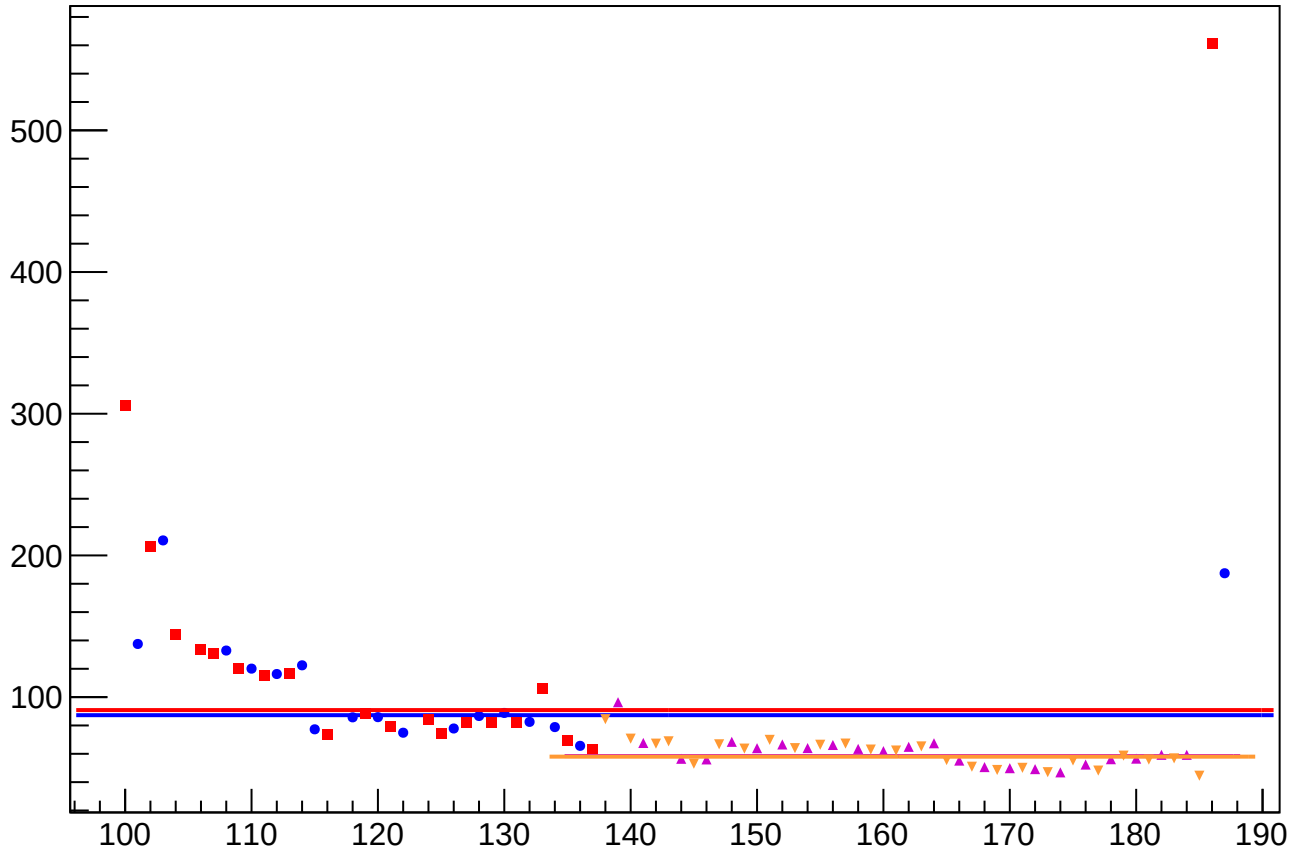
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 41.649+/-24.248 χ^2/NDF: 32.6/36

In: 63.188+/-12.828 χ^2/NDF:45.6/39

Out: 41.754+/-12.508 χ^2/NDF:79.0/44

All: 52.201+/-8.955 χ^2/NDF: 126.1/84



Right In: 87.257+/-0.024 χ^2/NDF: 1142602.8/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 90.857+/-0.025 χ^2/NDF: 1720157.8/19

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

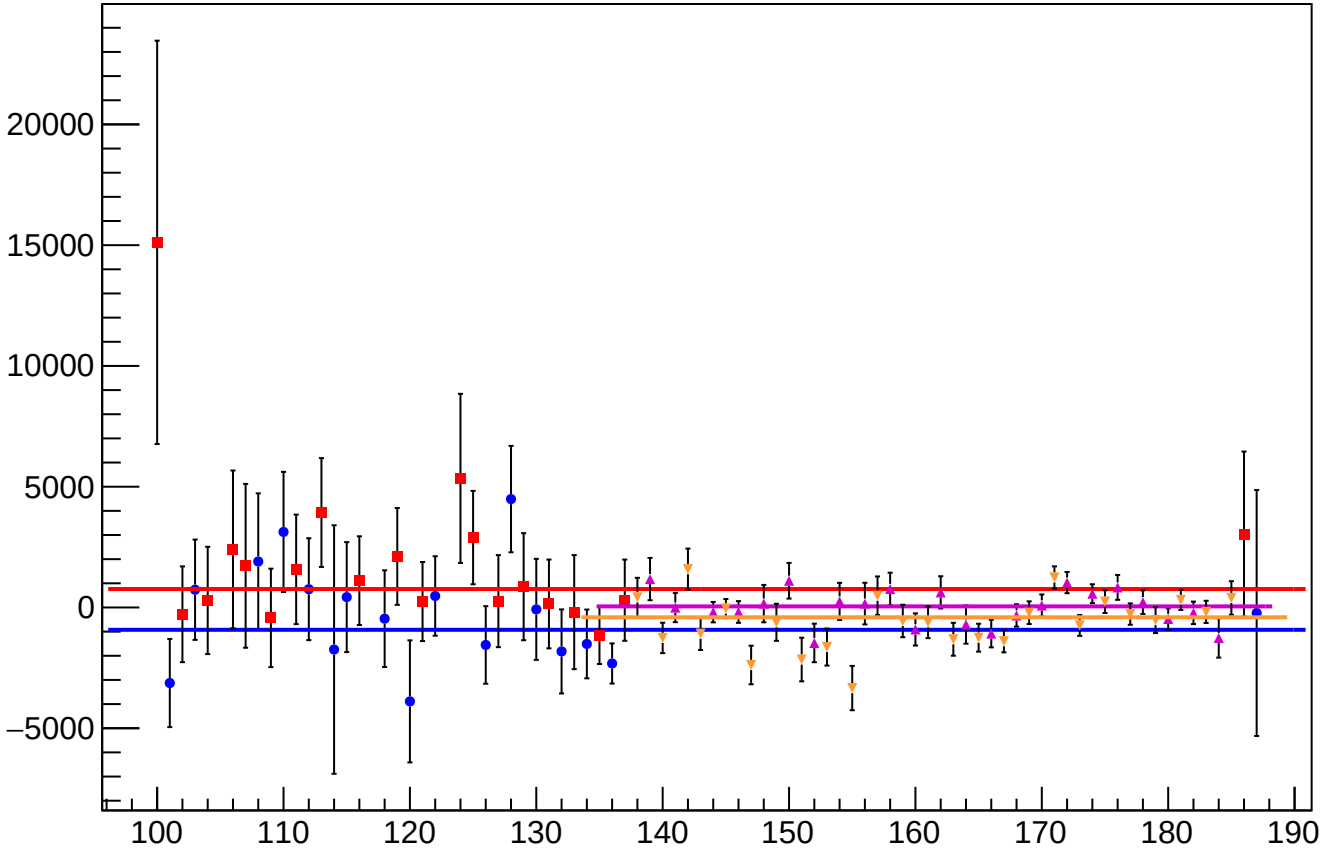
Right: 89.002+/-0.017 χ^2/NDF: 2873769.5/36

In: 62.558+/-0.009 χ^2/NDF:3127118.4/39

Out: 62.234+/-0.009 χ^2/NDF:4078857.8/44

All: 62.392+/-0.006 χ^2/NDF: 7206629.6/84

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -924.579+/-439.250 χ^2/NDF: 18.5/16

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 763.455+/-464.192 χ^2/NDF: 13.0/19

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

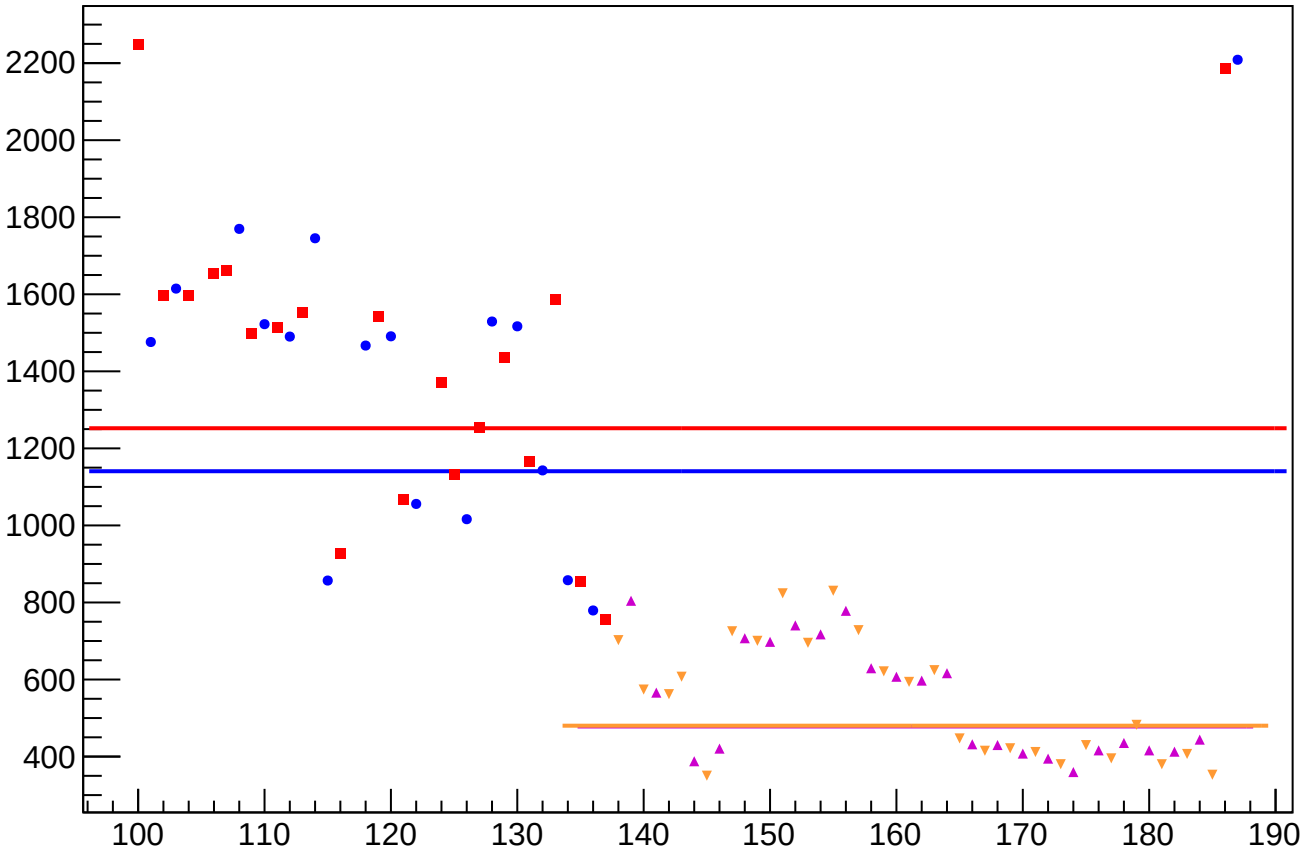
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -127.128+/-319.050 χ^2/NDF: 38.5/36

In: -18.131+/-111.943 χ^2/NDF:54.2/39

Out: -340.365+/-110.222 χ^2/NDF:82.2/44

All: -181.743+/-78.540 χ^2/NDF: 140.5/84



Right In: 1140.698+/-0.311 χ^2/NDF: 1212858.7/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1252.287+/-0.328 χ^2/NDF: 1028644.5/19

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

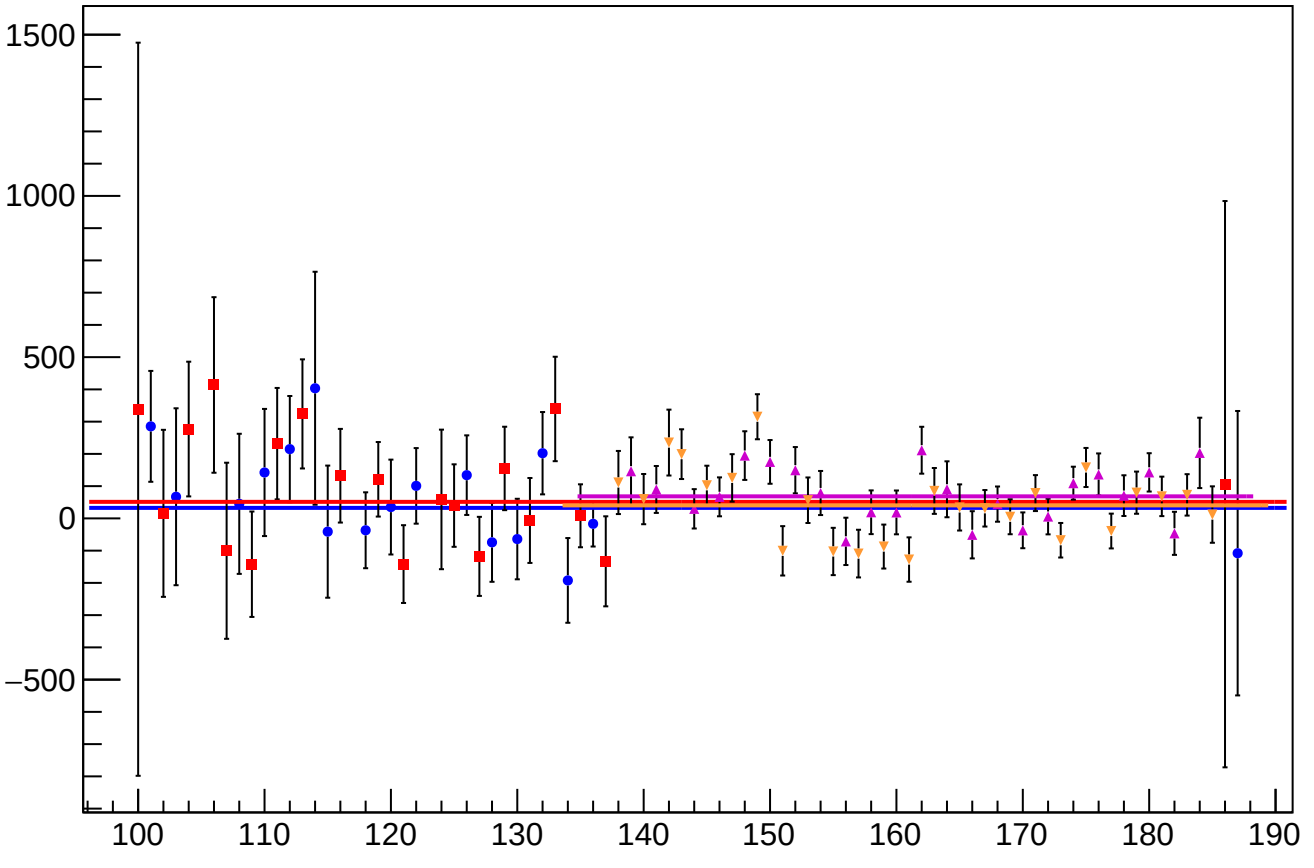
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1193.414+/-0.226 χ^2/NDF: 2302479.9/36

In: 521.119+/-0.079 χ^2/NDF:7684004.7/39

Out: 523.696+/-0.078 χ^2/NDF:8832481.0/44

All: 522.428+/-0.056 χ^2/NDF: 16517023.8/84



Right In: 32.593+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 51.274+/-34.826 χ^2/NDF: 19.5/19

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

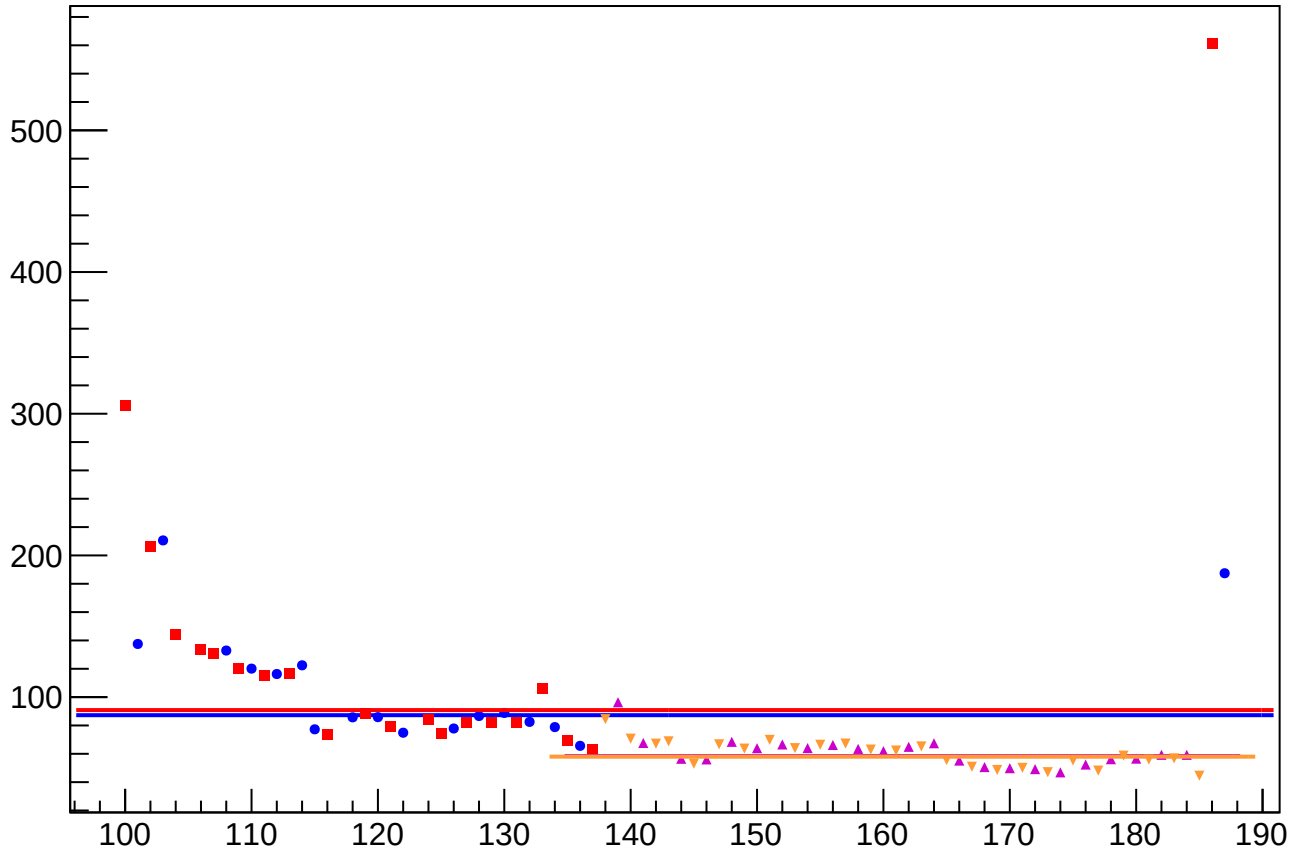
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 41.649+/-24.248 χ^2/NDF: 32.6/36

In: 63.188+/-12.828 χ^2/NDF:45.6/39

Out: 41.754+/-12.508 χ^2/NDF:79.0/44

All: 52.201+/-8.955 χ^2/NDF: 126.1/84



Right In: 87.257+/-0.024 χ^2/NDF: 1142602.8/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 90.857+/-0.025 χ^2/NDF: 1720157.8/19

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

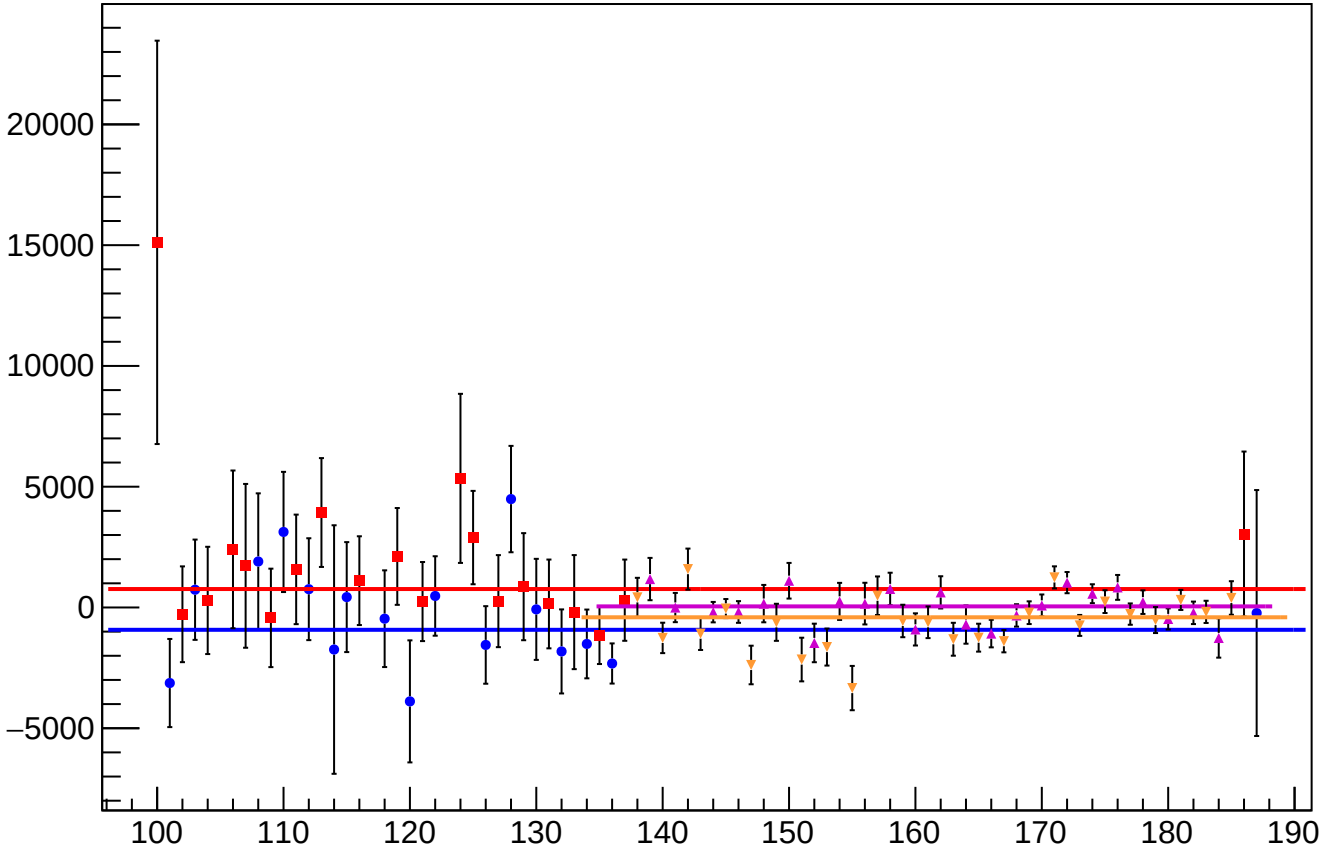
Right: 89.002+/-0.017 χ^2/NDF: 2873769.5/36

In: 62.558+/-0.009 χ^2/NDF:3127118.4/39

Out: 62.234+/-0.009 χ^2/NDF:4078857.8/44

All: 62.392+/-0.006 χ^2/NDF: 7206629.6/84

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -924.579+/-439.250 χ^2/NDF: 18.5/16

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 763.455+/-464.192 χ^2/NDF: 13.0/19

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

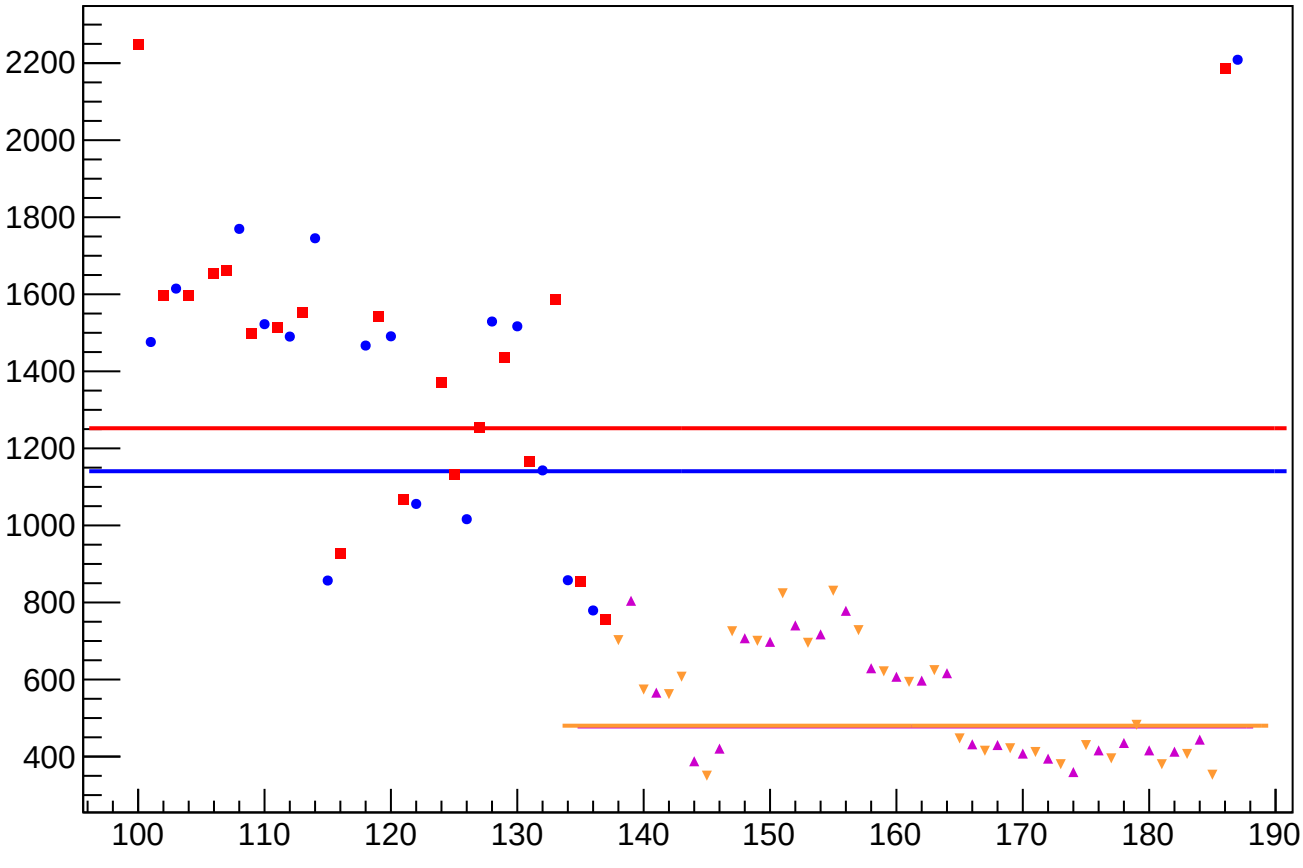
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -127.128+/-319.050 χ^2/NDF: 38.5/36

In: -18.131+/-111.943 χ^2/NDF:54.2/39

Out: -340.365+/-110.222 χ^2/NDF:82.2/44

All: -181.743+/-78.540 χ^2/NDF: 140.5/84



Right In: 1140.698+/-0.311 χ^2/NDF: 1212858.7/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1252.287+/-0.328 χ^2/NDF: 1028644.5/19

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

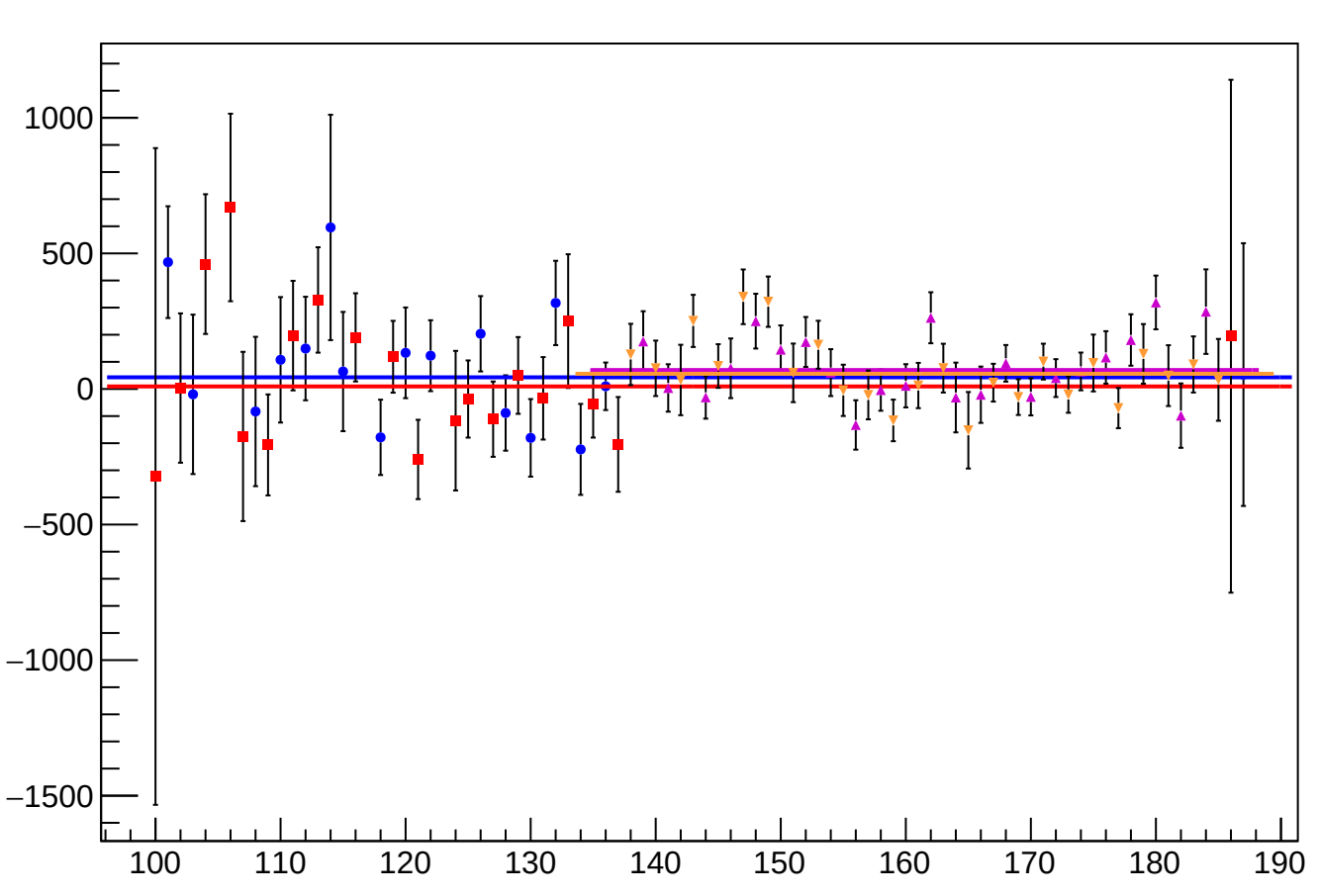
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1193.414+/-0.226 χ^2/NDF: 2302479.9/36

In: 521.119+/-0.079 χ^2/NDF:7684004.7/39

Out: 523.696+/-0.078 χ^2/NDF:8832481.0/44

All: 522.428+/-0.056 χ^2/NDF: 16517023.8/84



Right In: 42.983+/-39.813 χ^2/NDF: 20.3/16

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 9.338+/-41.021 χ^2/NDF: 21.4/19

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

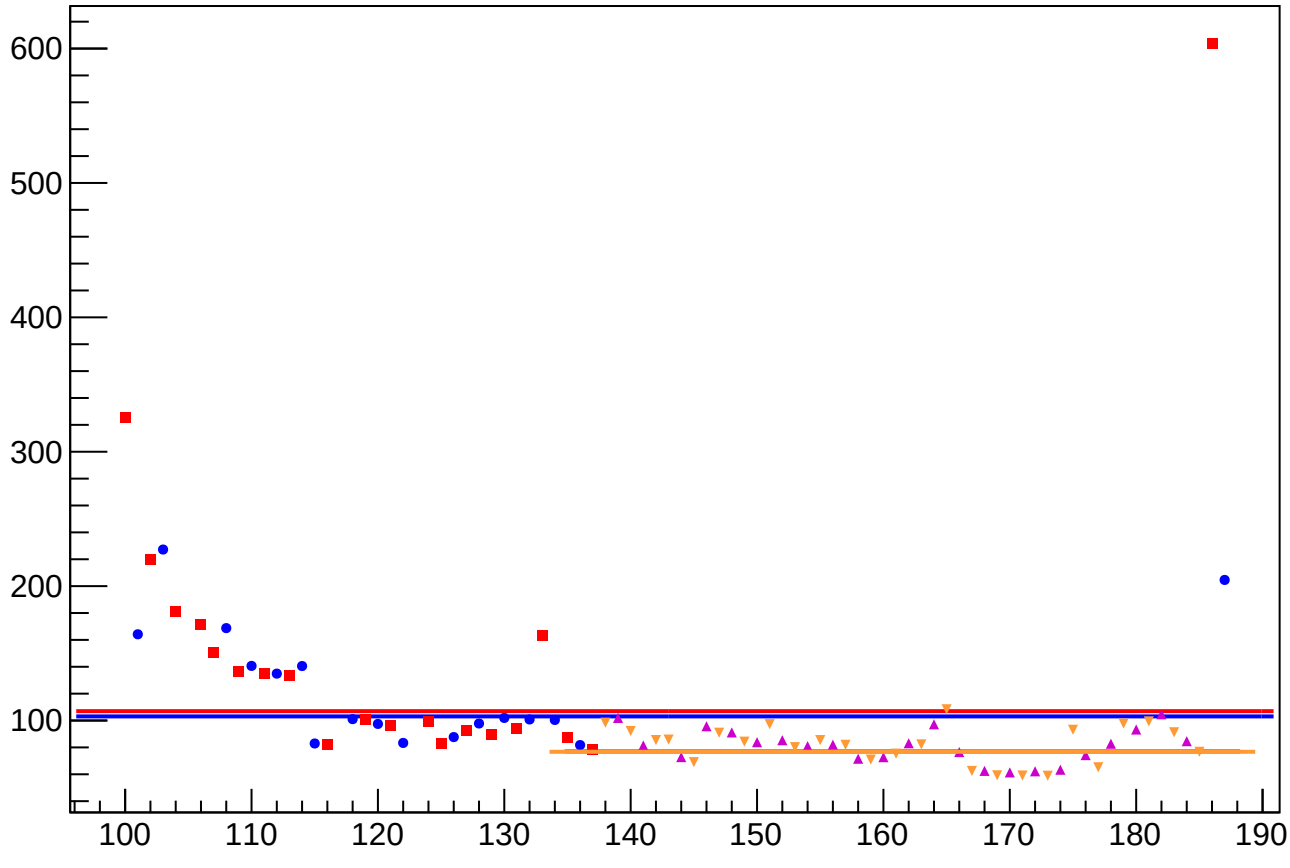
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 26.663+/-28.569 χ^2/NDF: 42.0/36

In: 65.075+/-16.775 χ^2/NDF:55.2/39

Out: 48.459+/-16.444 χ^2/NDF:60.8/44

All: 56.601+/-11.743 χ^2/NDF: 116.5/84



Right In: 103.069+/-0.028 χ^2/NDF: 1070765.7/16

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 106.969+/-0.029 χ^2/NDF: 1744122.7/19

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

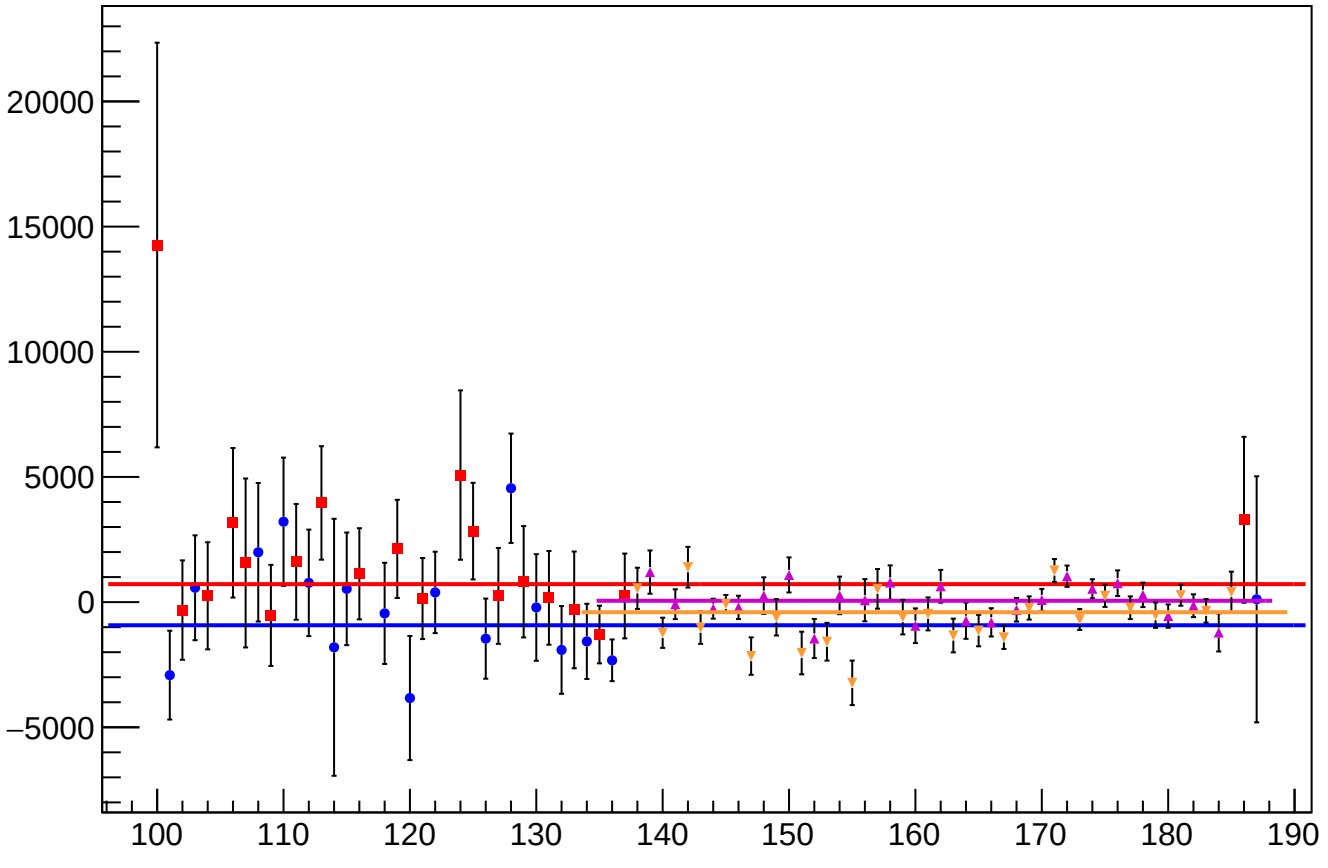
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 104.960+/-0.020 χ^2/NDF: 2824197.7/36

In: 81.643+/-0.012 χ^2/NDF:2633924.5/39

Out: 81.601+/-0.012 χ^2/NDF:3890073.6/44

All: 81.621+/-0.008 χ^2/NDF: 6524004.5/84



Right In: -923.971+/-440.939 χ^2/NDF: 18.5/16

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 718.801+/-458.749 χ^2/NDF: 14.1/19

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

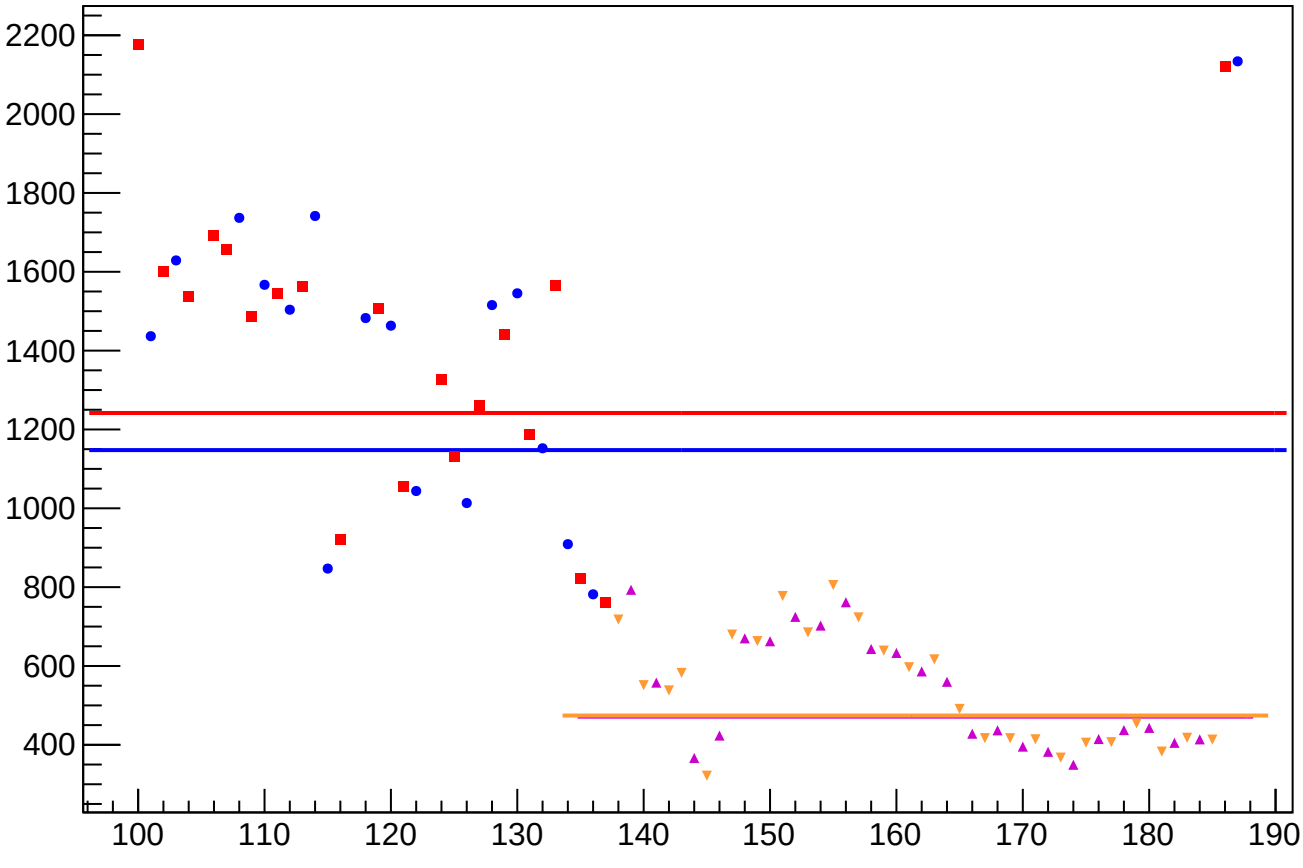
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -135.092+/-317.901 χ^2/NDF: 39.3/36

In: -7.320+/-110.574 χ^2/NDF:53.8/39

Out: -340.491+/-108.596 χ^2/NDF:80.5/44

All: -176.911+/-77.479 χ^2/NDF: 138.9/84



Right In: 1147.662+/-0.312 χ^2/NDF: 1174614.0/16

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1241.823+/-0.324 χ^2/NDF: 1065919.5/19

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

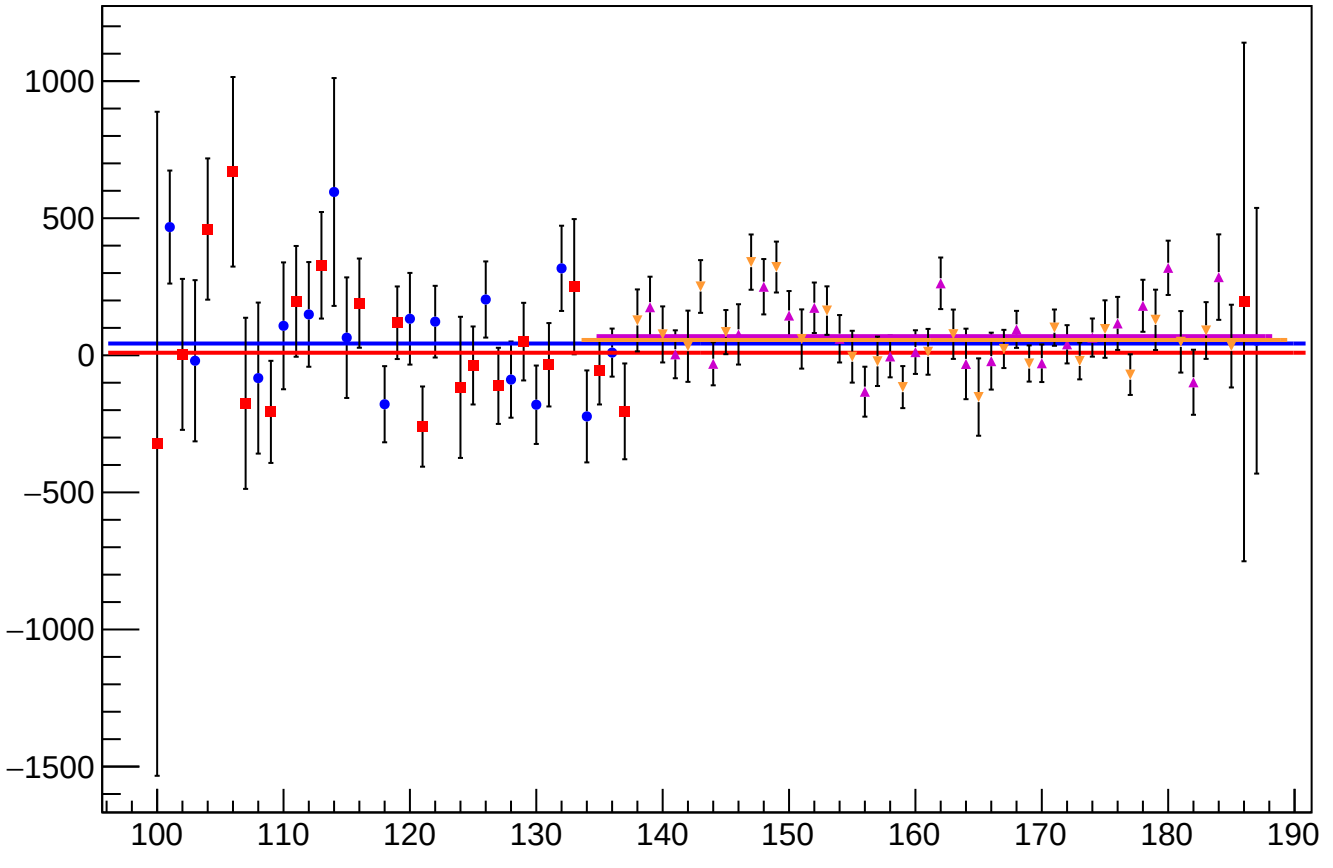
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1192.879+/-0.225 χ^2/NDF: 2284331.4/36

In: 513.979+/-0.078 χ^2/NDF:7791780.2/39

Out: 517.305+/-0.077 χ^2/NDF:8889672.9/44

All: 515.672+/-0.055 χ^2/NDF: 16682373.9/84



Right In: 42.983+/-39.813 χ^2/NDF: 20.3/16

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 9.335+/-41.021 χ^2/NDF: 21.4/19

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

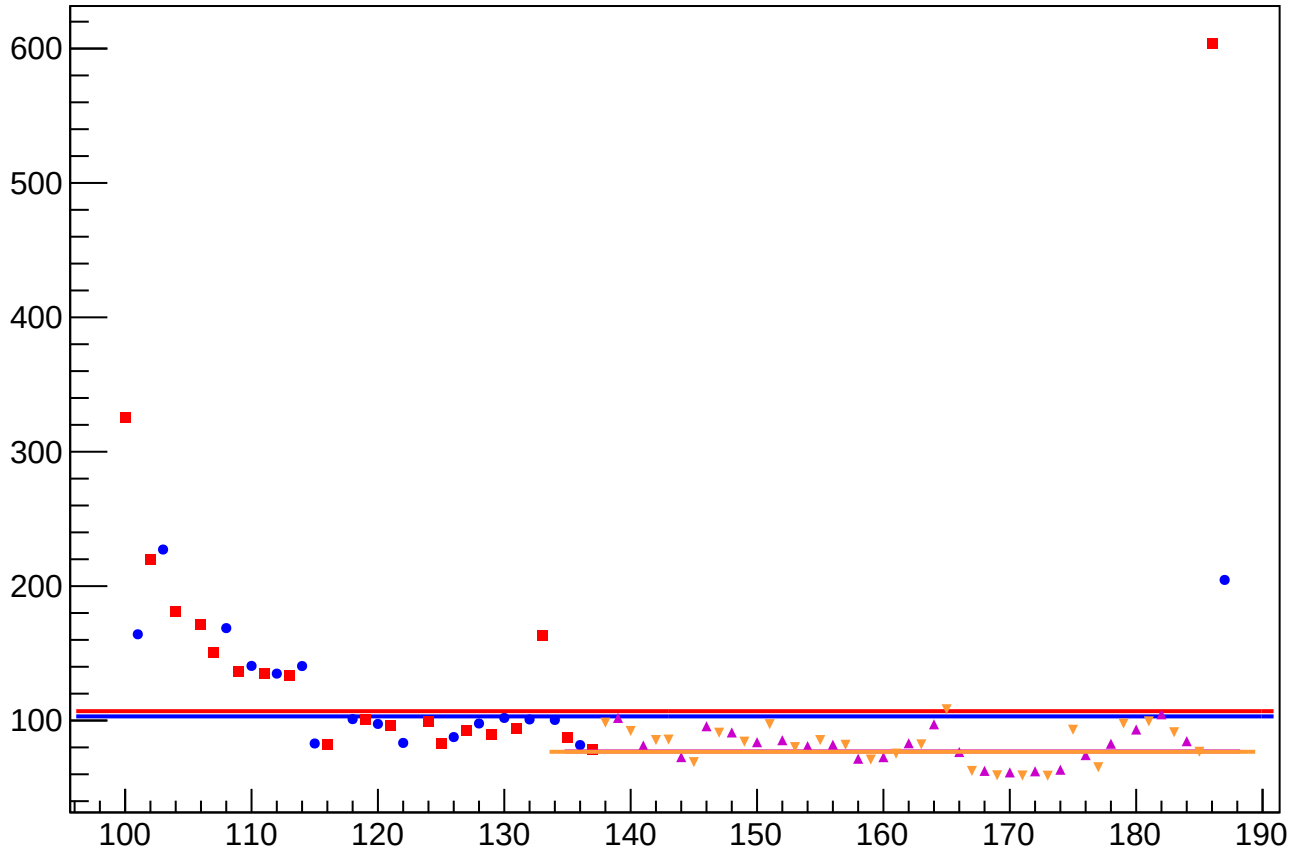
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 26.662+/-28.569 χ^2/NDF: 42.0/36

In: 65.075+/-16.775 χ^2/NDF:55.2/39

Out: 48.457+/-16.444 χ^2/NDF:60.8/44

All: 56.601+/-11.743 χ^2/NDF: 116.5/84



Right In: 103.069+/-0.028 χ^2/NDF: 1070763.2/16

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 106.969+/-0.029 χ^2/NDF: 1744125.5/19

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

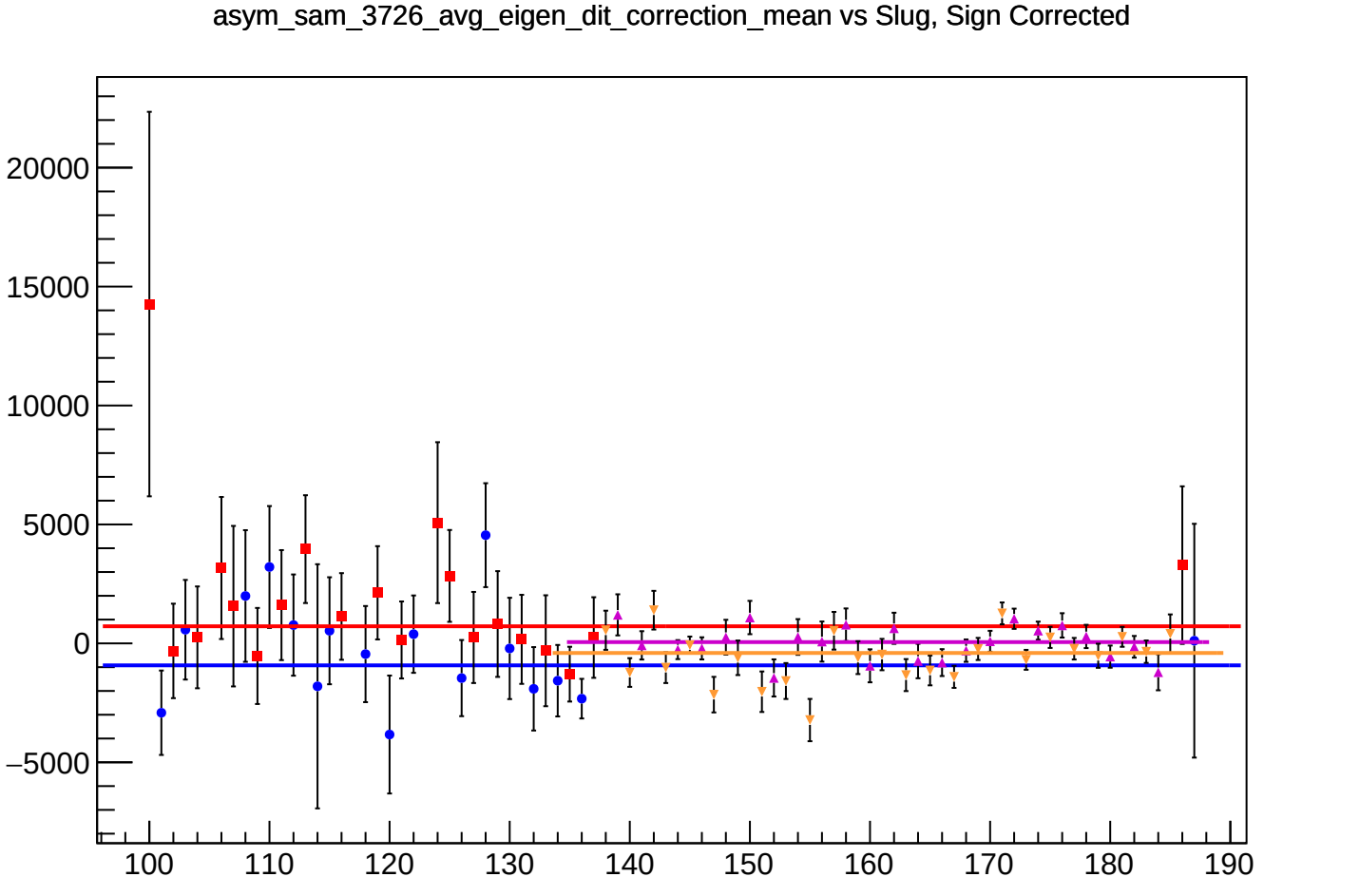
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

Right: 104.960+/-0.020 χ^2/NDF: 2824198.7/36

In: 81.643+/-0.012 χ^2/NDF:2633887.1/39

Out: 81.601+/-0.012 χ^2/NDF:3890054.1/44

All: 81.622+/-0.008 χ^2/NDF: 6523947.6/84



Right In: -923.966+/-440.938 χ^2/NDF: 18.5/16

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 718.801+/-458.748 χ^2/NDF: 14.1/19

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

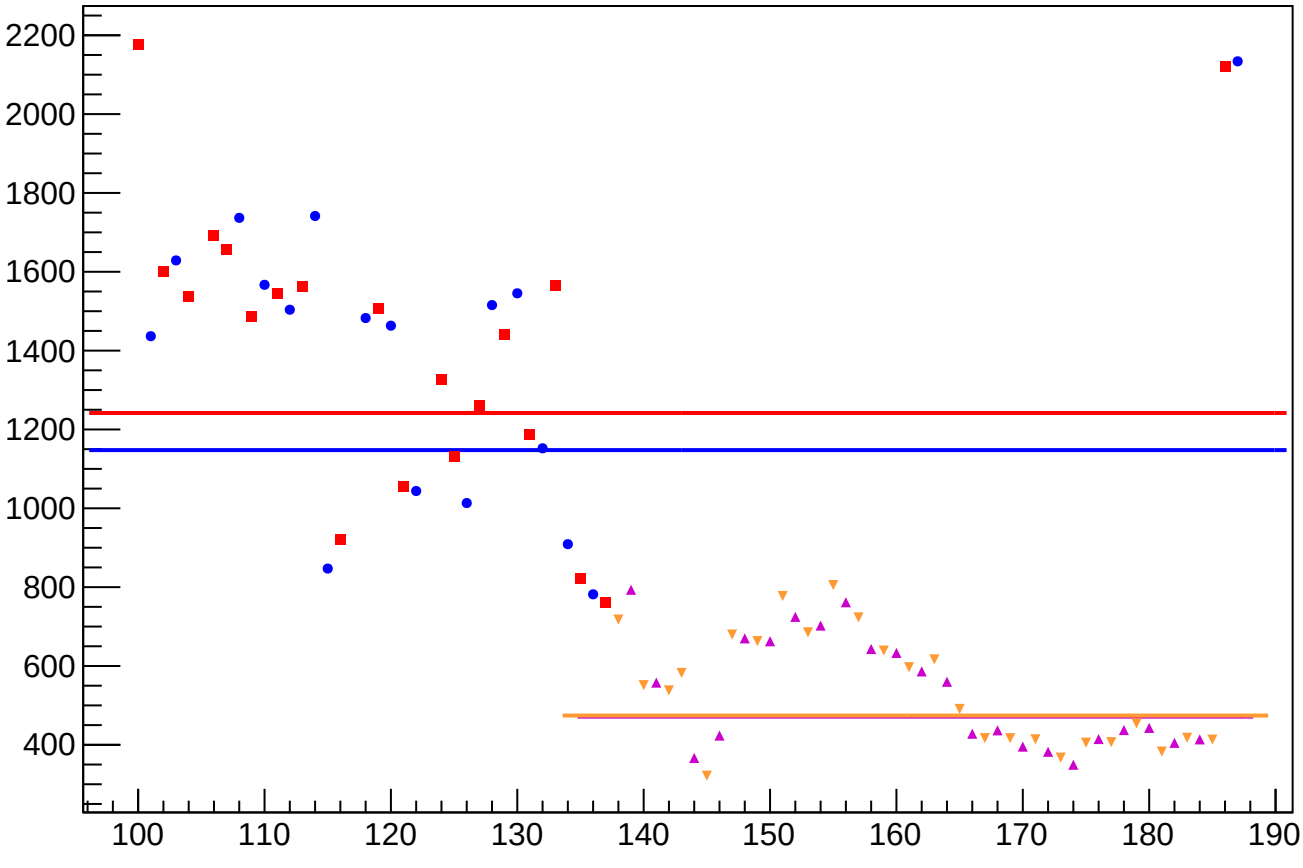
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

Right: -135.089+/-317.900 χ^2/NDF: 39.3/36

In: -7.319+/-110.573 χ^2/NDF:53.8/39

Out: -340.490+/-108.596 χ^2/NDF:80.5/44

All: -176.910+/-77.479 χ^2/NDF: 138.9/84



Right In: 1147.661+/-0.312 χ^2/NDF: 1174600.9/16

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1241.821+/-0.324 χ^2/NDF: 1065909.4/19

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

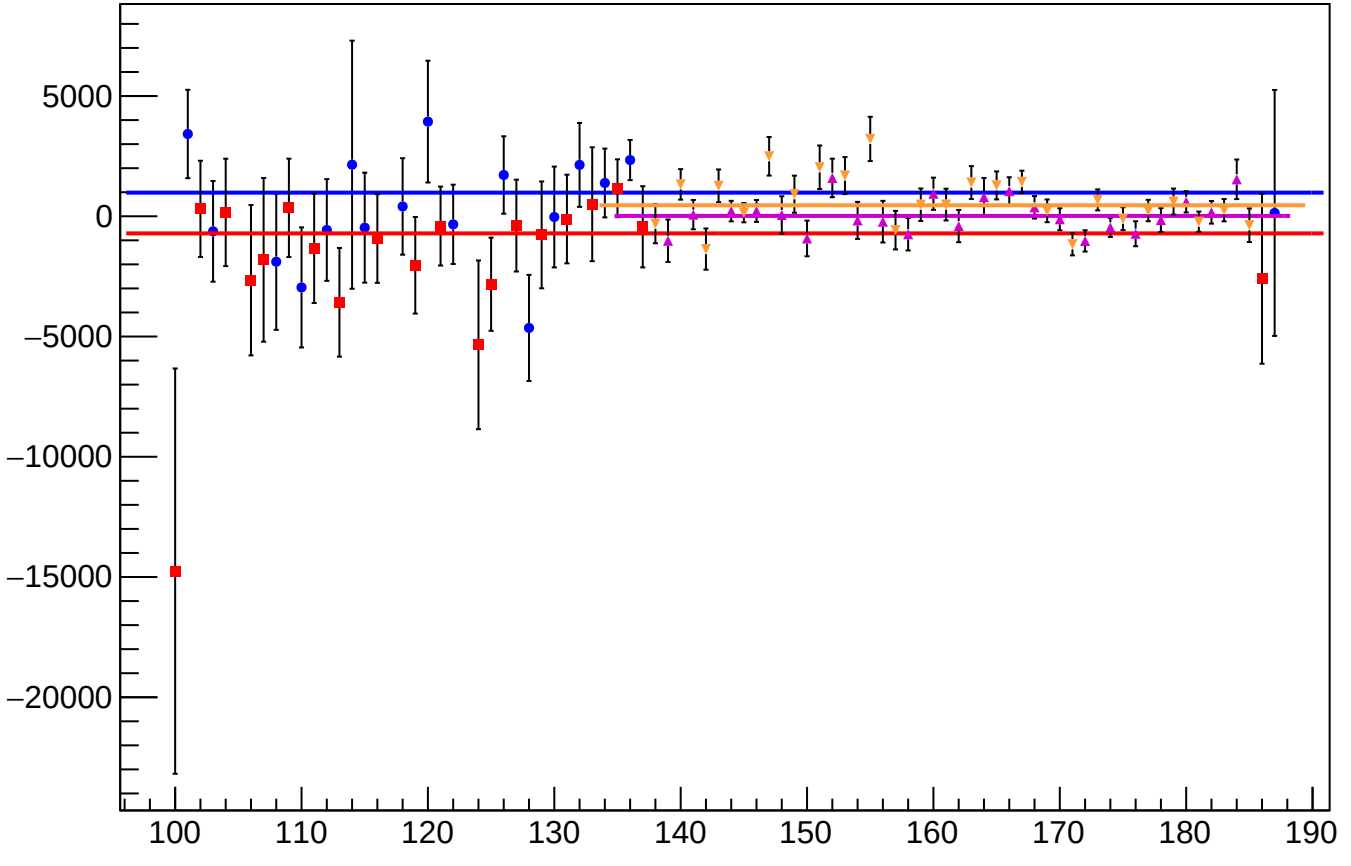
Right: 1192.878+/-0.225 χ^2/NDF: 2284307.8/36

In: 513.979+/-0.078 χ^2/NDF:7791761.4/39

Out: 517.304+/-0.077 χ^2/NDF:8889664.5/44

All: 515.672+/-0.055 χ^2/NDF: 16682346.6/84

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 982.998+/-440.985 χ^2/NDF: 19.1/16

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -710.973+/-465.556 χ^2/NDF: 12.2/19

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

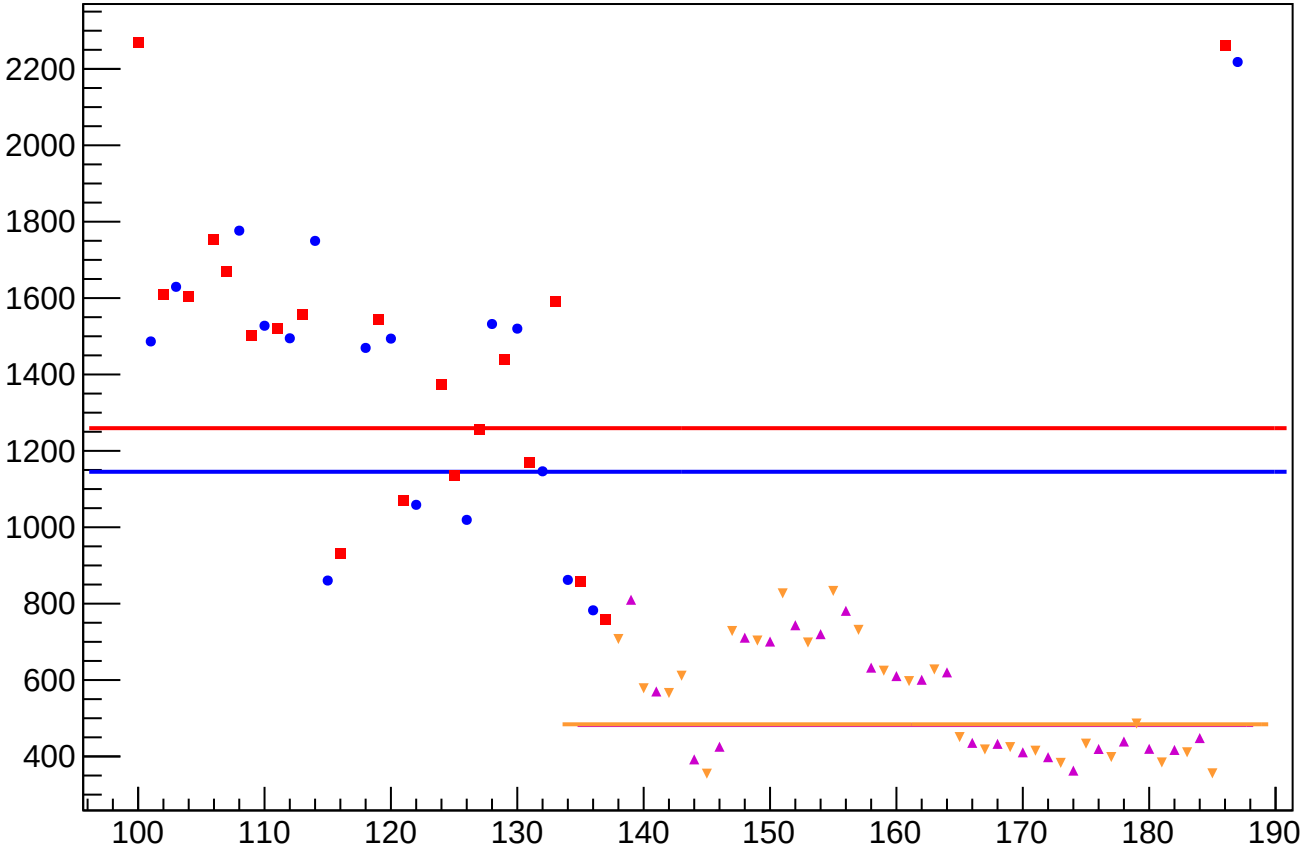
Right: 181.892+/-320.158 χ^2/NDF: 38.2/36

In: 78.438+/-112.817 χ^2/NDF:53.9/39

Out: 390.815+/-111.050 χ^2/NDF:77.5/44

All: 237.091+/-79.142 χ^2/NDF: 135.3/84

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1145.258+/-0.312 χ^2/NDF: 1212382.3/16

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1259.433+/-0.329 χ^2/NDF: 1063443.5/19

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

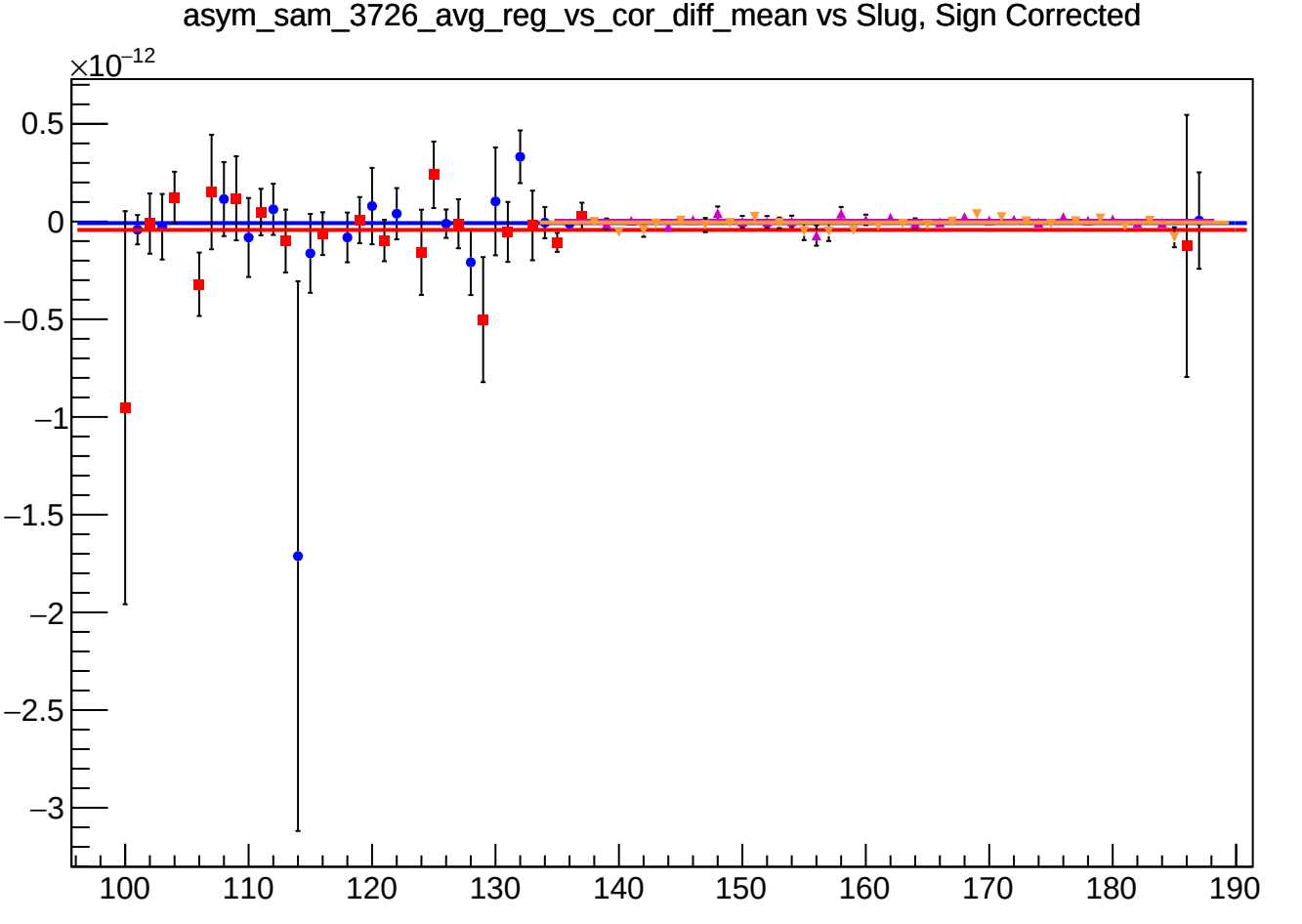
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1199.253+/-0.226 χ^2/NDF: 2339227.8/36

In: 525.559+/-0.080 χ^2/NDF:7625183.8/39

Out: 528.241+/-0.079 χ^2/NDF:8842972.7/44

All: 526.921+/-0.056 χ^2/NDF: 16468730.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/19

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

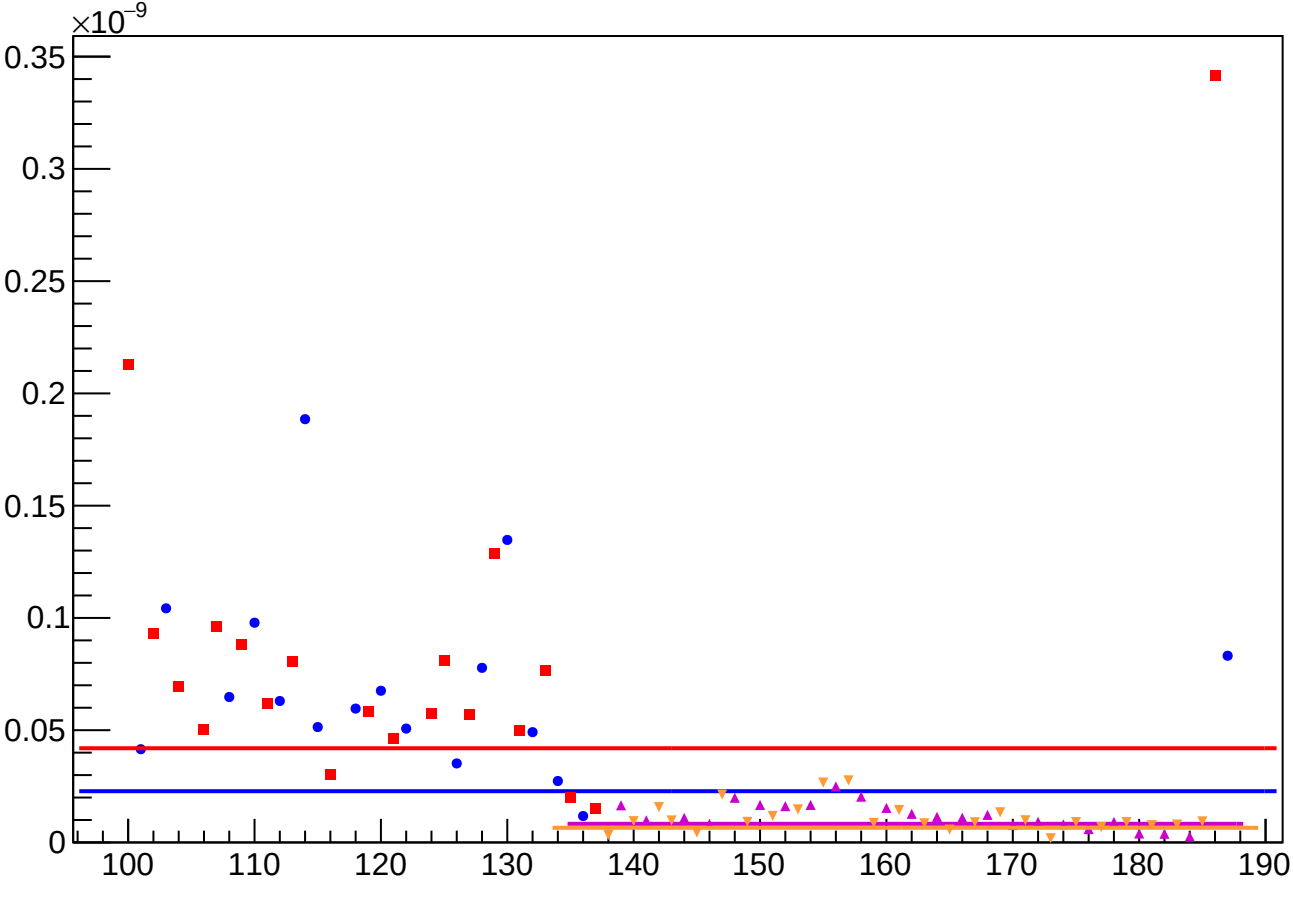
Right: -0.000+/-0.000 χ^2/NDF: 28.5/36

In: 0.000+/-0.000 χ^2/NDF:27.2/39

Out: -0.000+/-0.000 χ^2/NDF:48.5/44

All: -0.000+/-0.000 χ^2/NDF: 79.0/84

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2972875.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2248046.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

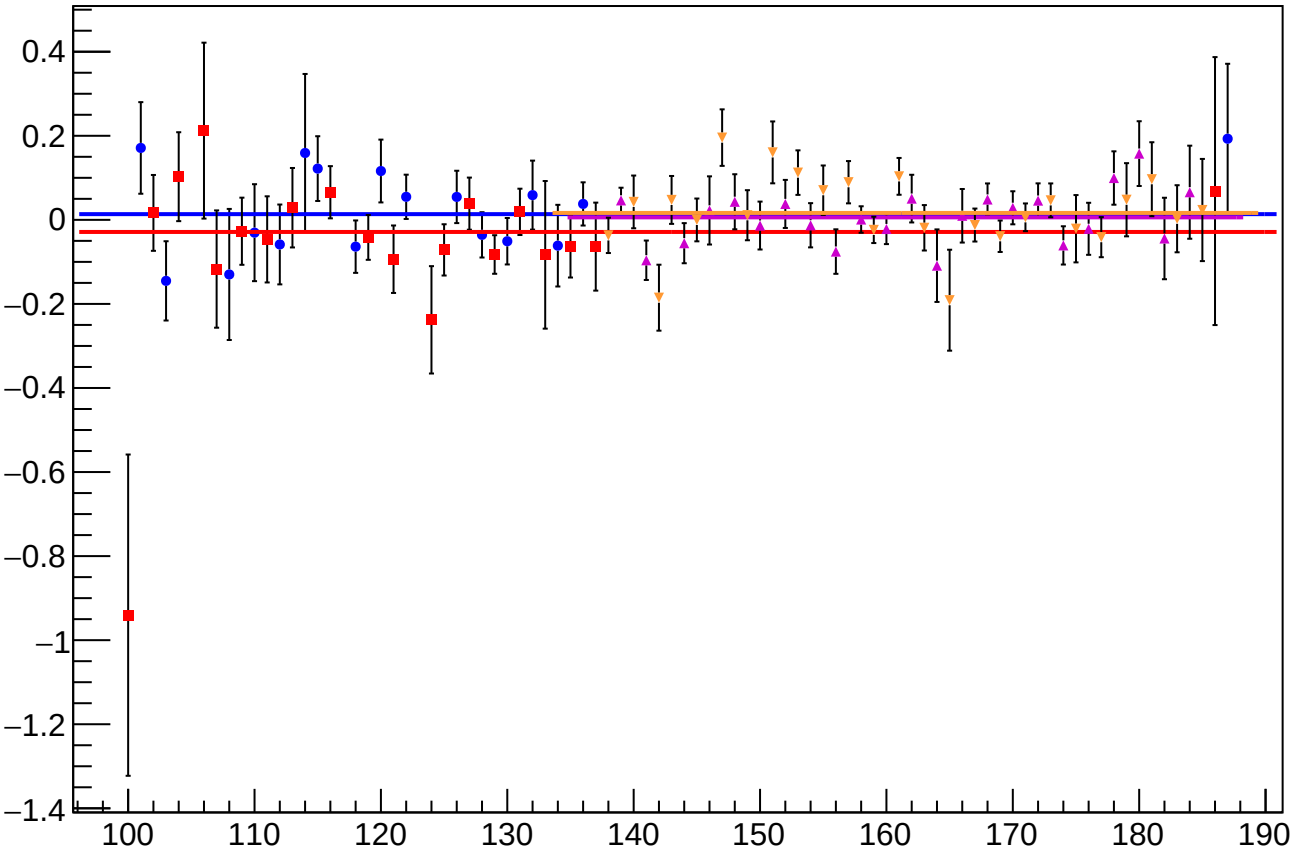
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5930840.9/36

In: 0.000+/-0.000 χ^2/NDF:7118114.4/39

Out: 0.000+/-0.000 χ^2/NDF:9371228.8/44

All: 0.000+/-0.000 χ^2/NDF: 16814574.0/84



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.029+/-0.018 χ^2/NDF: 19.6/19

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

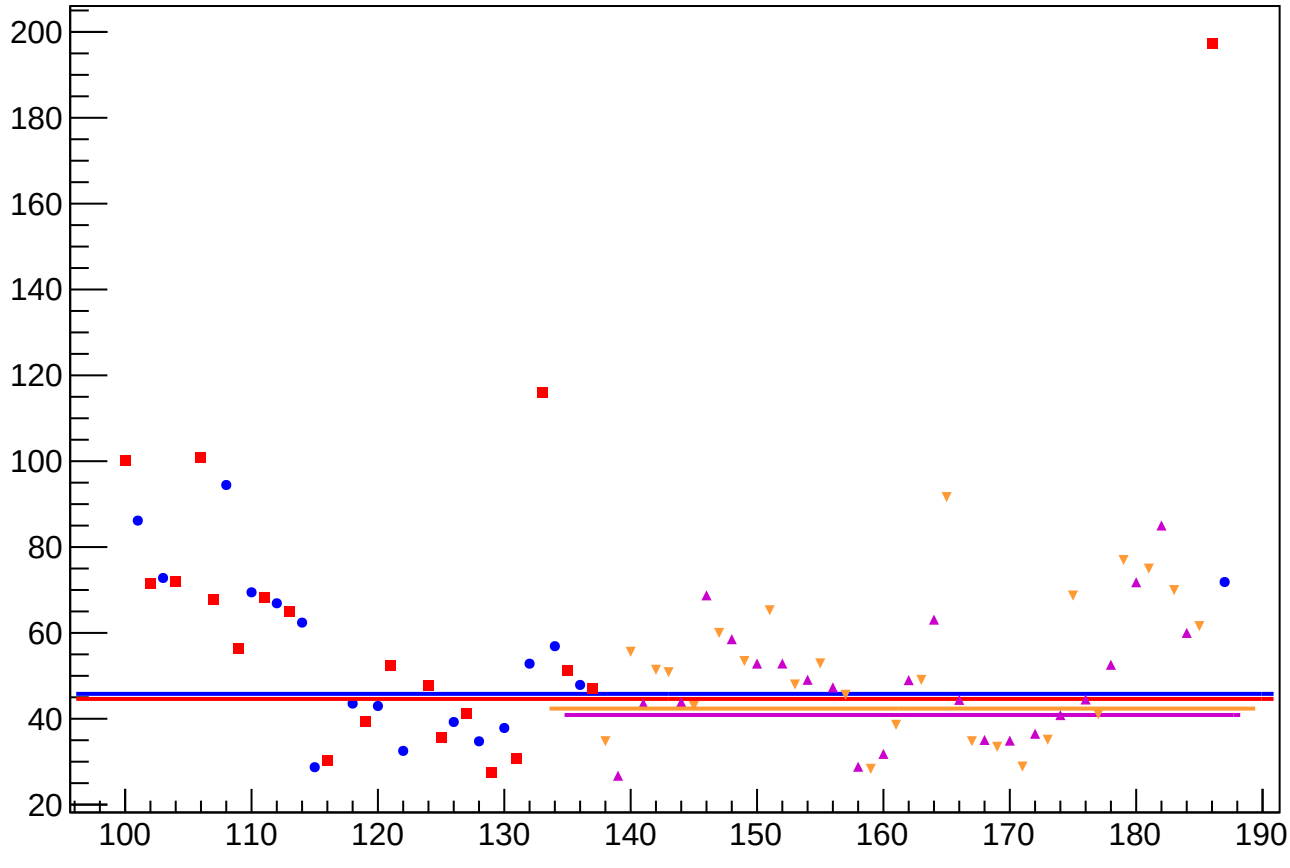
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.008+/-0.013 χ^2/NDF: 40.3/36

In: 0.008+/-0.009 χ^2/NDF:44.0/39

Out: 0.005+/-0.009 χ^2/NDF:65.5/44

All: 0.006+/-0.006 χ^2/NDF: 109.5/84



Right In: 45.800+/-0.013 χ^2/NDF: 1297129.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 44.621+/-0.013 χ^2/NDF: 2203531.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

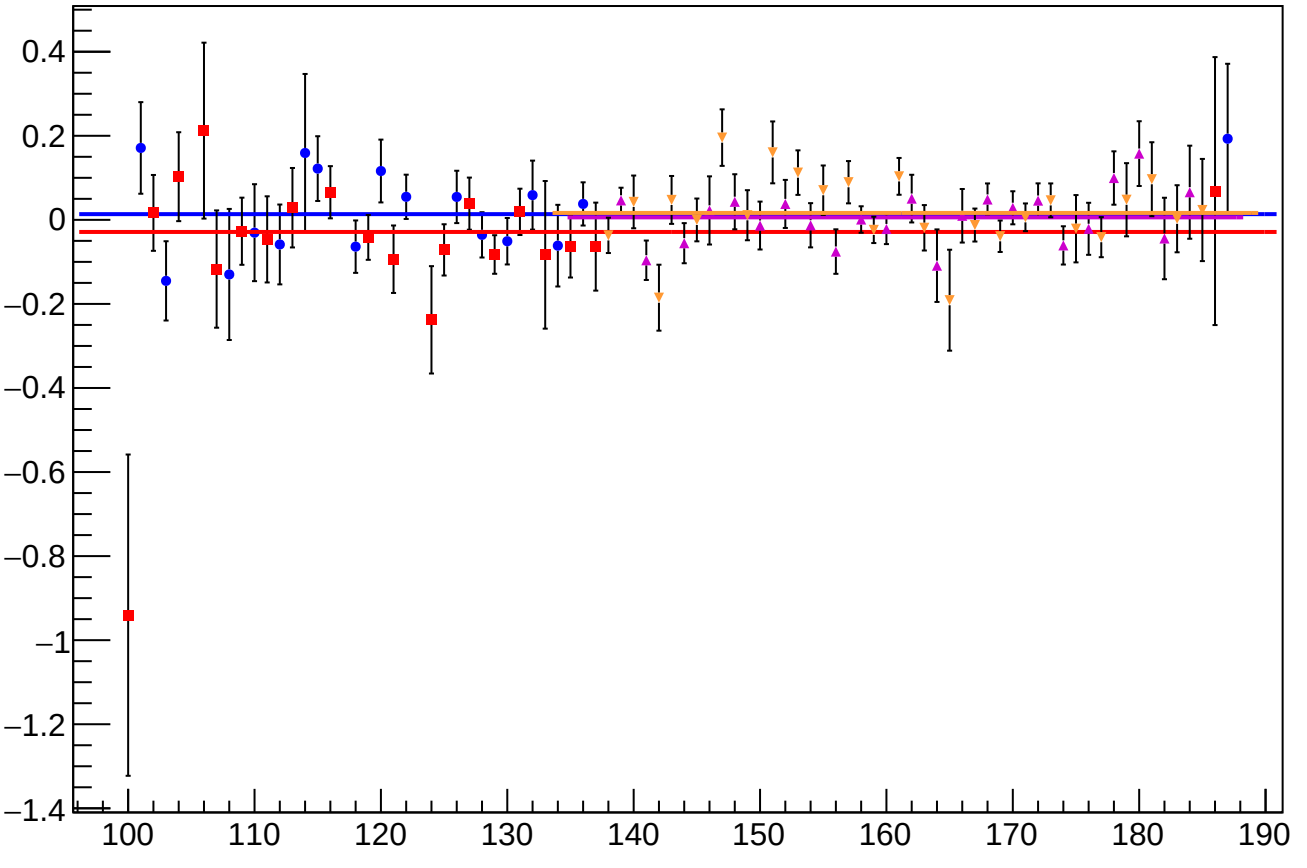
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.198+/-0.009 χ^2/NDF: 3504928.5/36

In: 42.069+/-0.006 χ^2/NDF:4085999.1/39

Out: 42.940+/-0.006 χ^2/NDF:5418203.3/44

All: 42.504+/-0.004 χ^2/NDF: 9513668.4/84



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.029+/-0.018 χ^2/NDF: 19.6/19

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

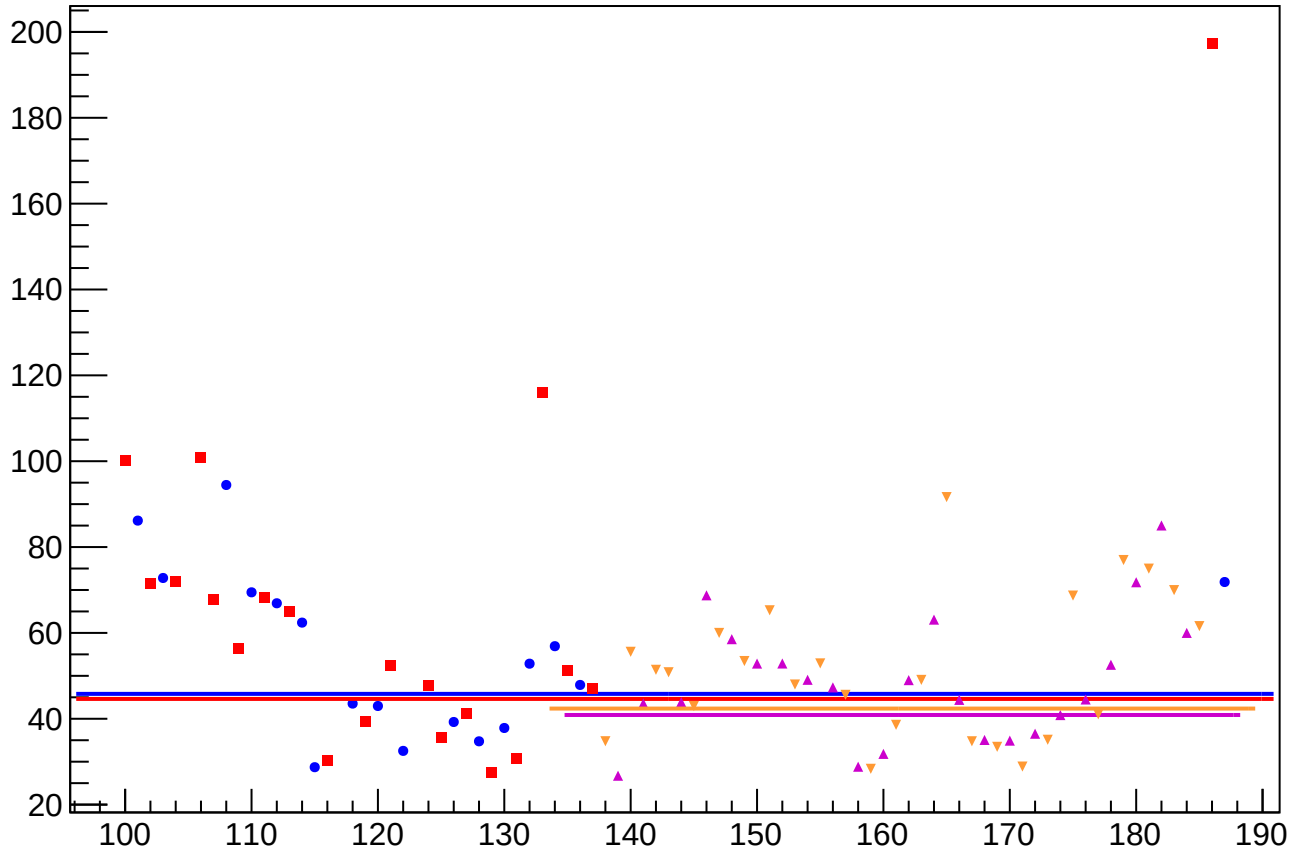
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.008+/-0.013 χ^2/NDF: 40.3/36

In: 0.008+/-0.009 χ^2/NDF:44.0/39

Out: 0.005+/-0.009 χ^2/NDF:65.5/44

All: 0.006+/-0.006 χ^2/NDF: 109.5/84



Right In: 45.800+/-0.013 χ^2/NDF: 1297129.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 44.621+/-0.013 χ^2/NDF: 2203531.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

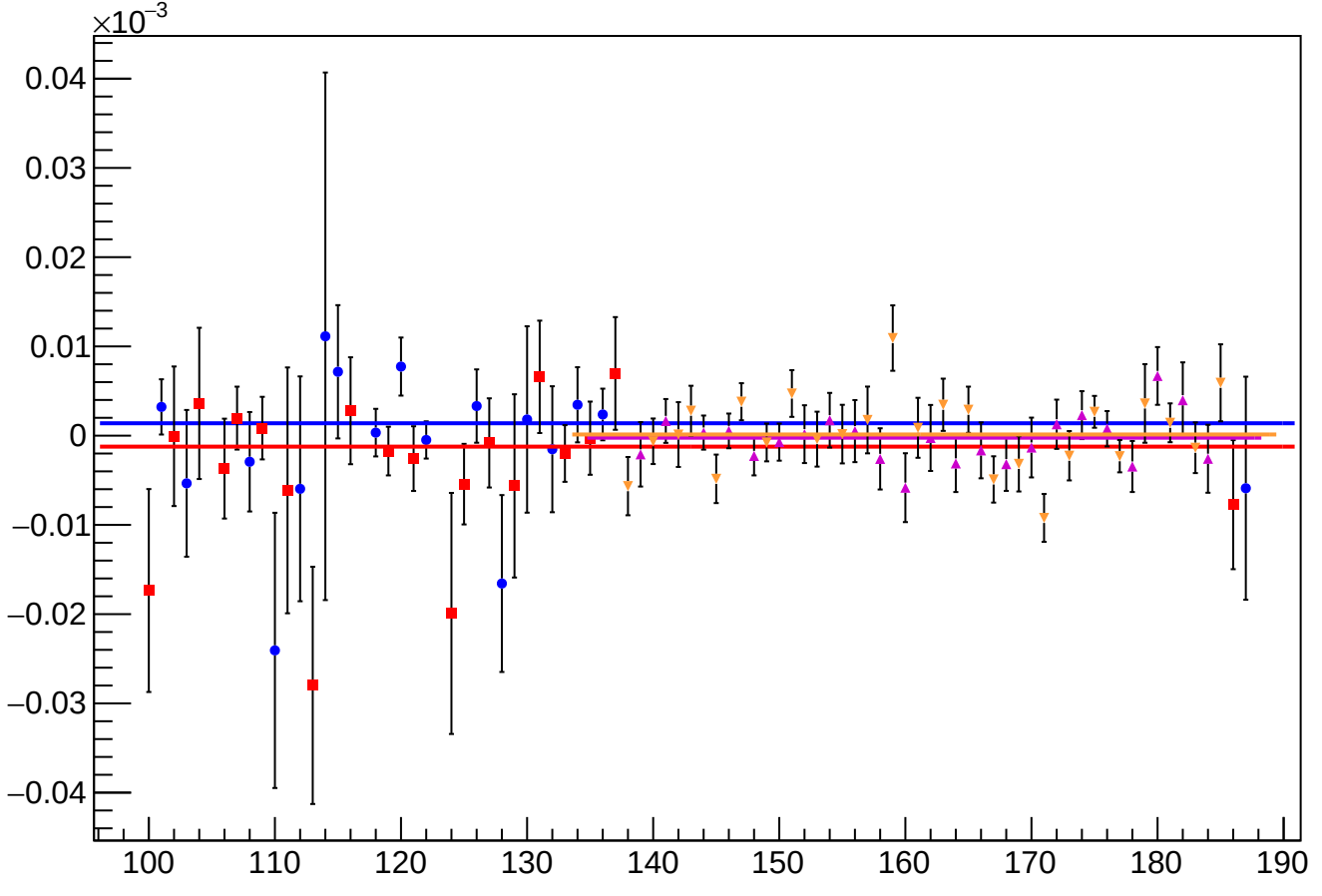
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.198+/-0.009 χ^2/NDF: 3504928.5/36

In: 42.069+/-0.006 χ^2/NDF:4085999.1/39

Out: 42.940+/-0.006 χ^2/NDF:5418203.3/44

All: 42.504+/-0.004 χ^2/NDF: 9513668.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/19

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

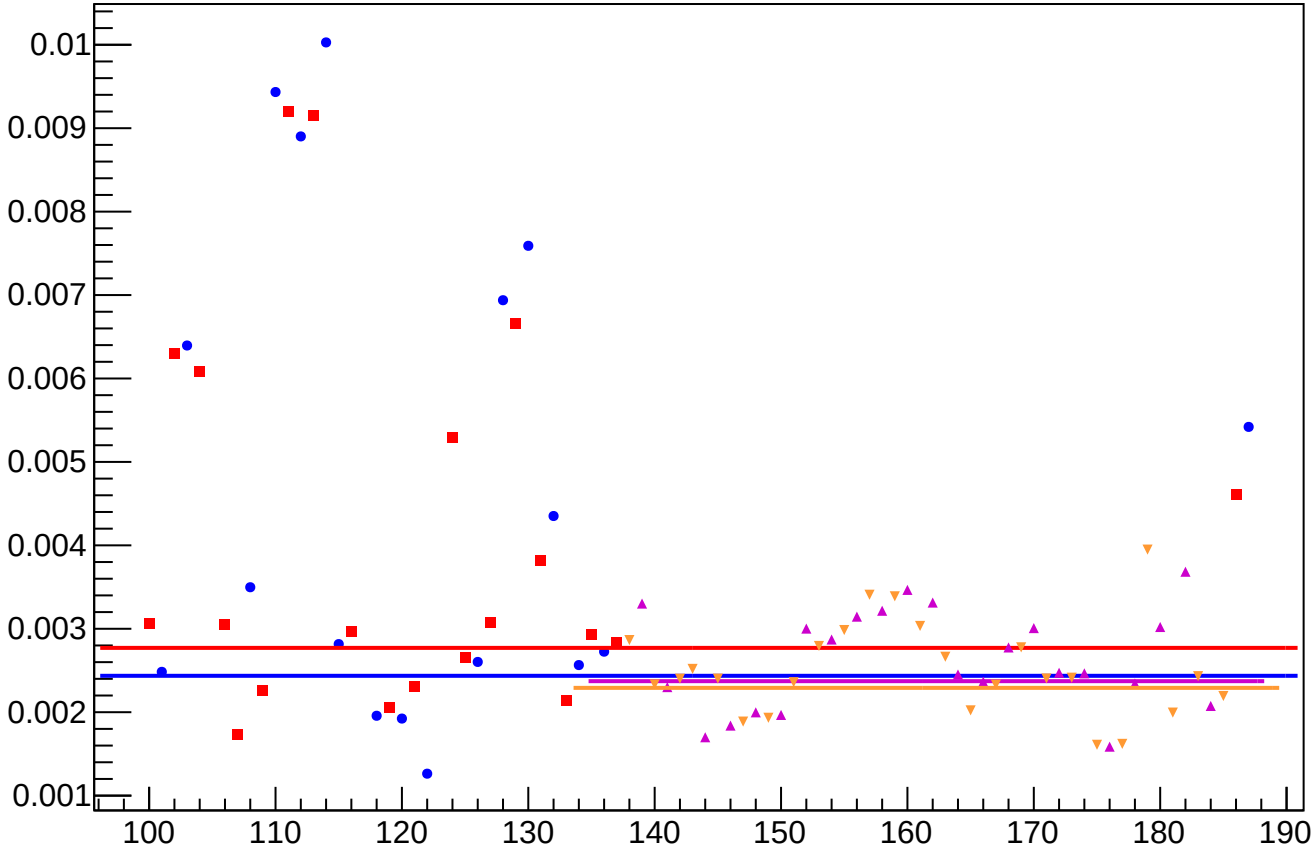
Right: 0.000+/-0.000 χ^2/NDF: 33.2/36

In: 0.000+/-0.000 χ^2/NDF:32.2/39

Out: -0.000+/-0.000 χ^2/NDF:66.8/44

All: 0.000+/-0.000 χ^2/NDF: 99.2/84

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3546875.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2637979.9/19

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

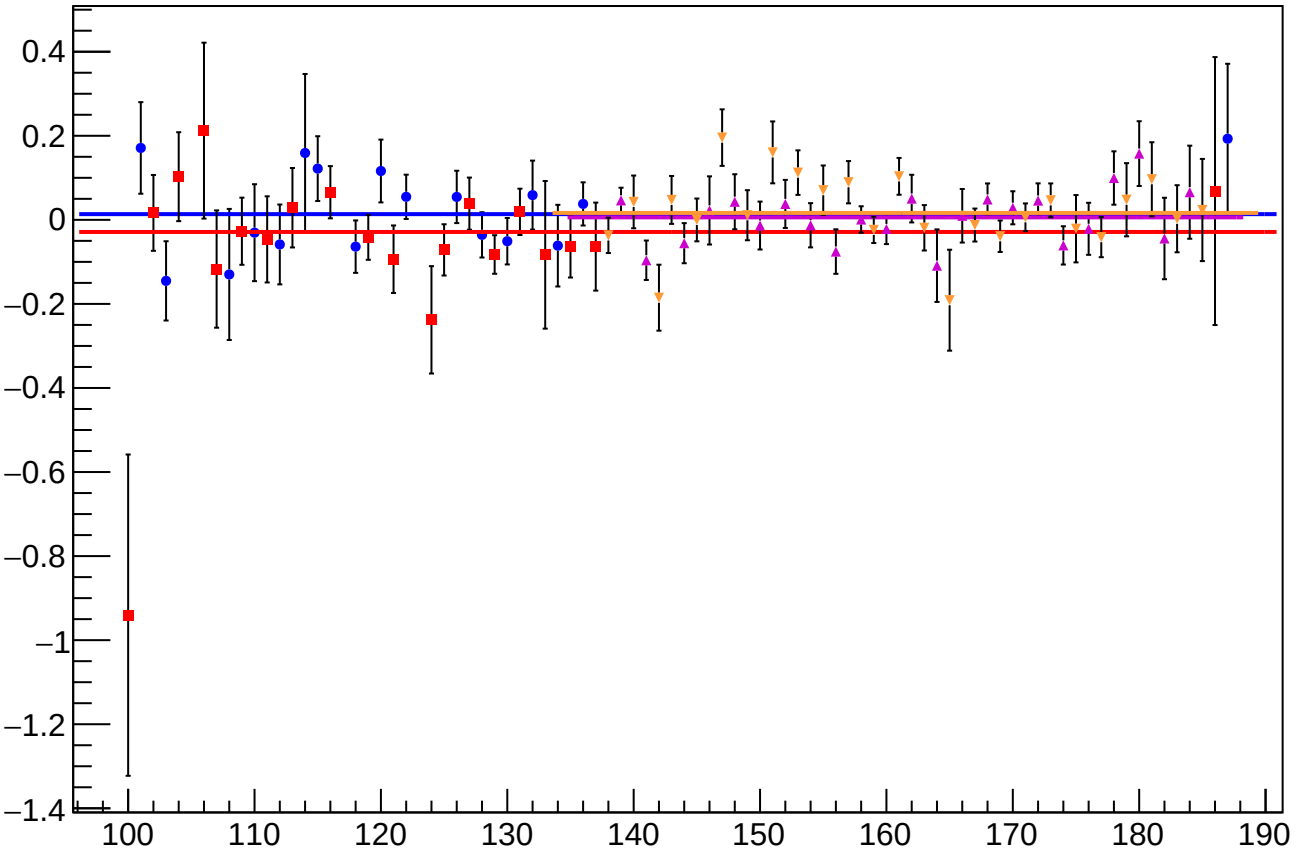
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6281946.9/36

In: 0.002+/-0.000 χ^2/NDF:5573054.0/39

Out: 0.002+/-0.000 χ^2/NDF:4759601.2/44

All: 0.002+/-0.000 χ^2/NDF: 10332735.3/84



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.029+/-0.018 χ^2/NDF: 19.6/19

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

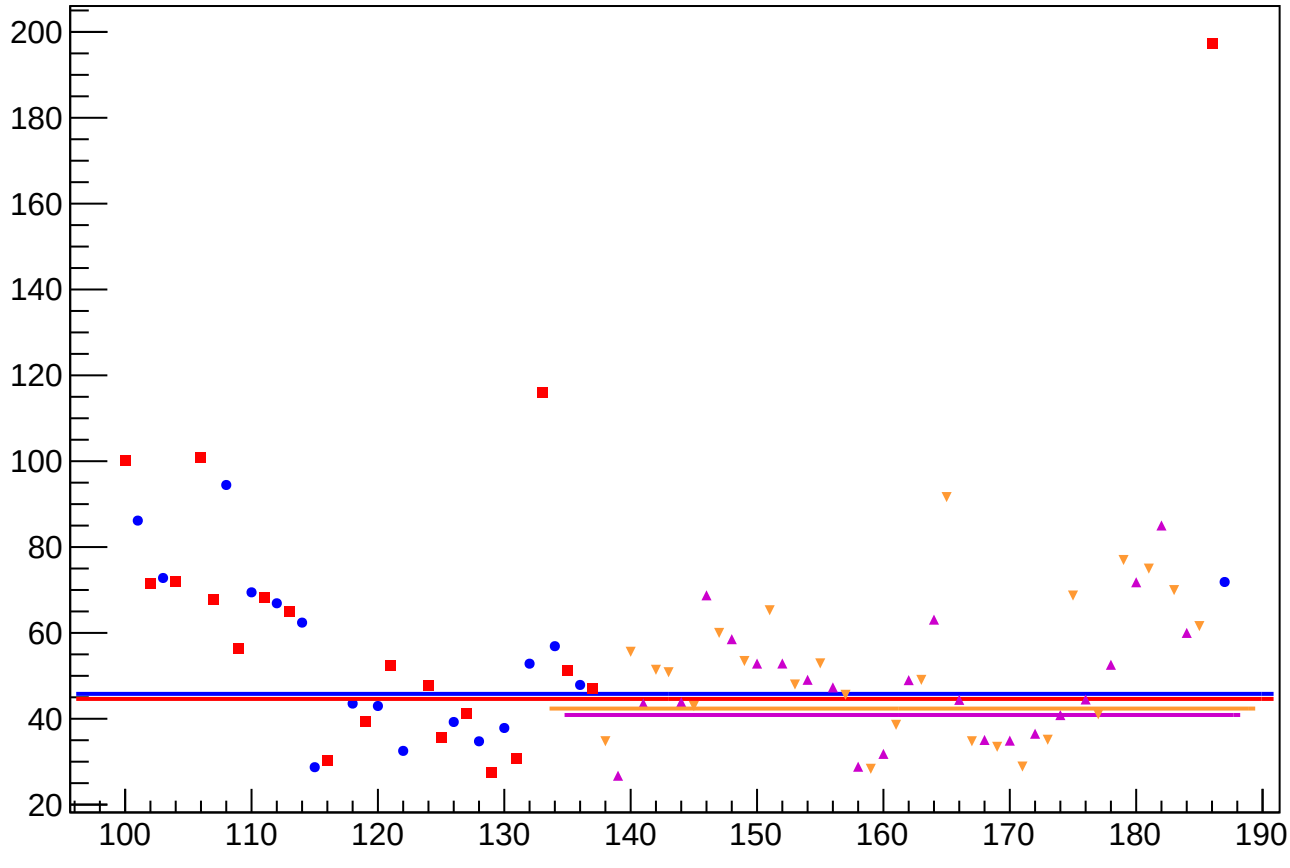
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.008+/-0.013 χ^2/NDF: 40.3/36

In: 0.008+/-0.009 χ^2/NDF:44.0/39

Out: 0.005+/-0.009 χ^2/NDF:65.5/44

All: 0.006+/-0.006 χ^2/NDF: 109.5/84



Right In: 45.800+/-0.013 χ^2/NDF: 1297093.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 44.622+/-0.013 χ^2/NDF: 2203448.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

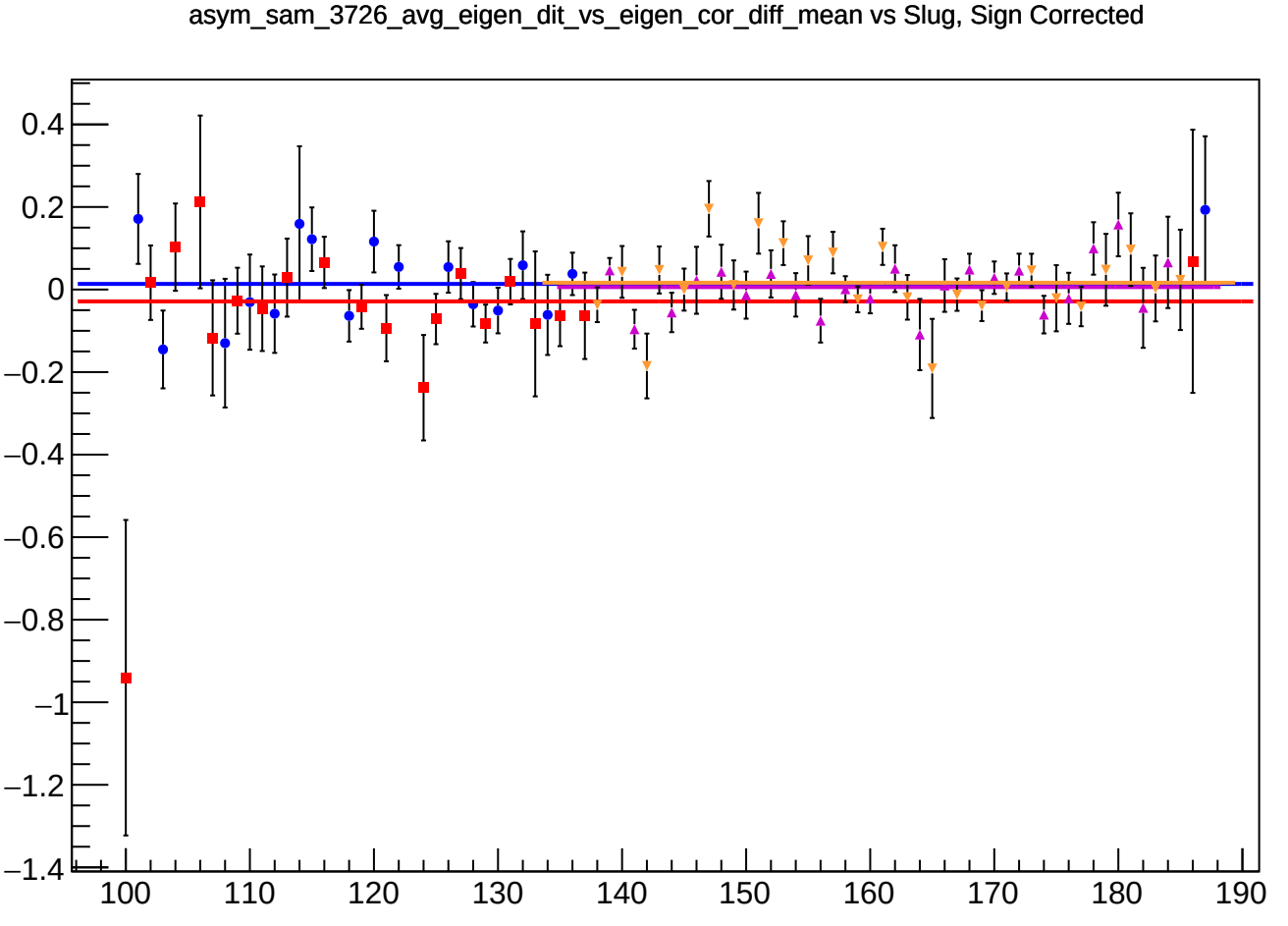
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 45.199+/-0.009 χ^2/NDF: 3504806.9/36

In: 42.069+/-0.006 χ^2/NDF:4085965.6/39

Out: 42.940+/-0.006 χ^2/NDF:5418149.3/44

All: 42.505+/-0.004 χ^2/NDF: 9513581.4/84



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.029+/-0.018 χ^2/NDF: 19.6/19

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

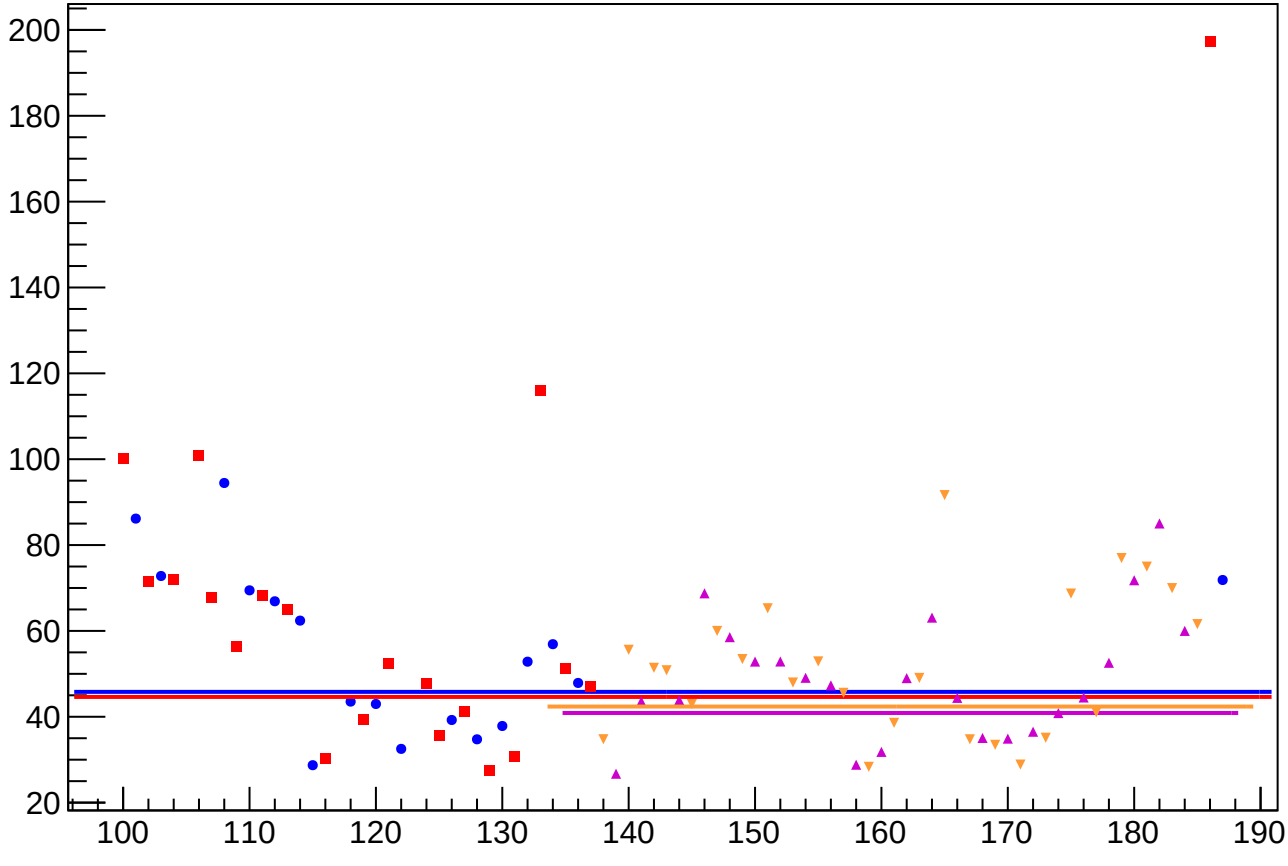
Right: -0.008+/-0.013 χ^2/NDF: 40.3/36

In: 0.008+/-0.009 χ^2/NDF:44.0/39

Out: 0.005+/-0.009 χ^2/NDF:65.5/44

All: 0.006+/-0.006 χ^2/NDF: 109.5/84

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.800+/-0.013 χ^2/NDF: 1297093.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 44.622+/-0.013 χ^2/NDF: 2203448.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

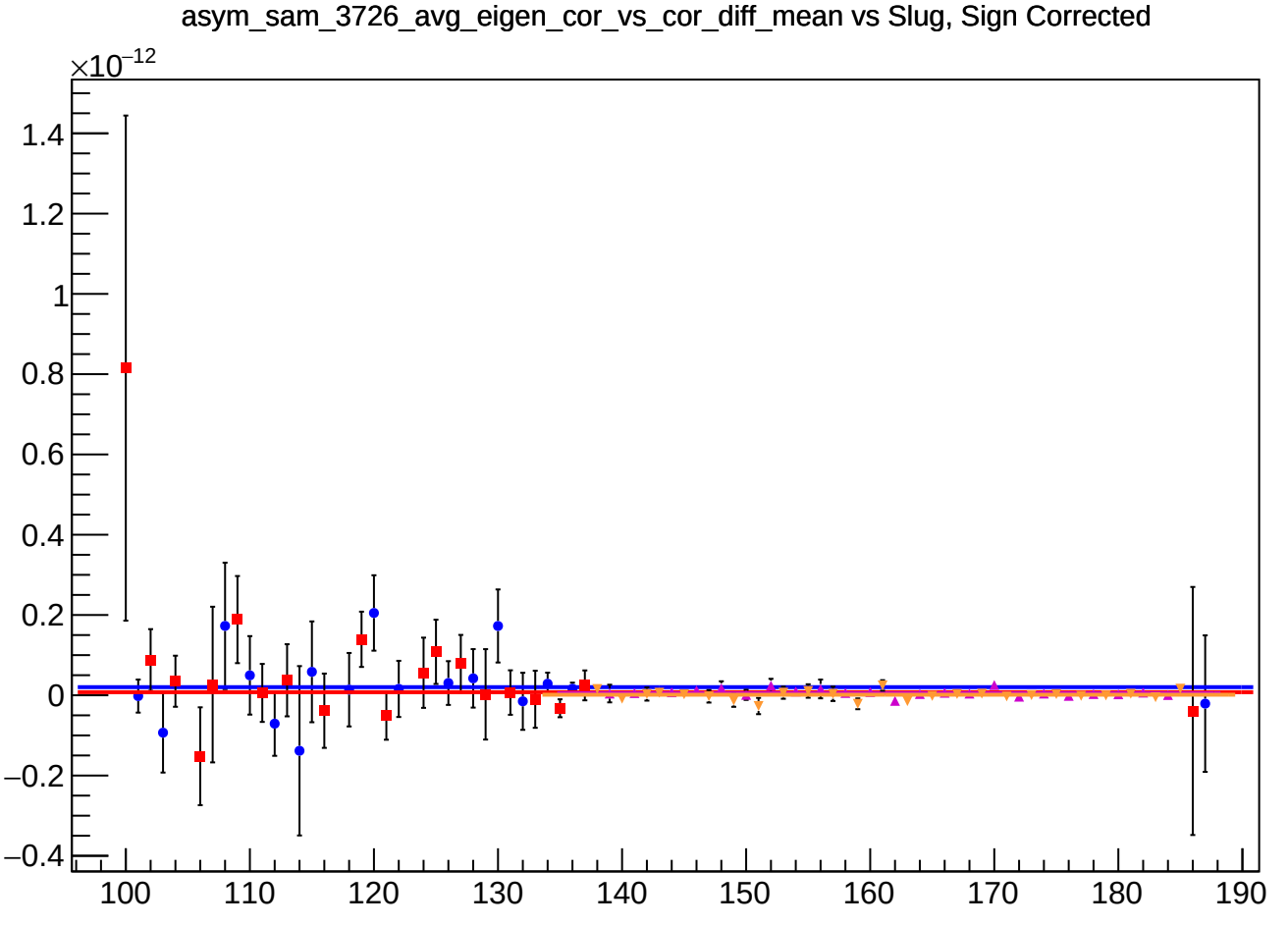
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

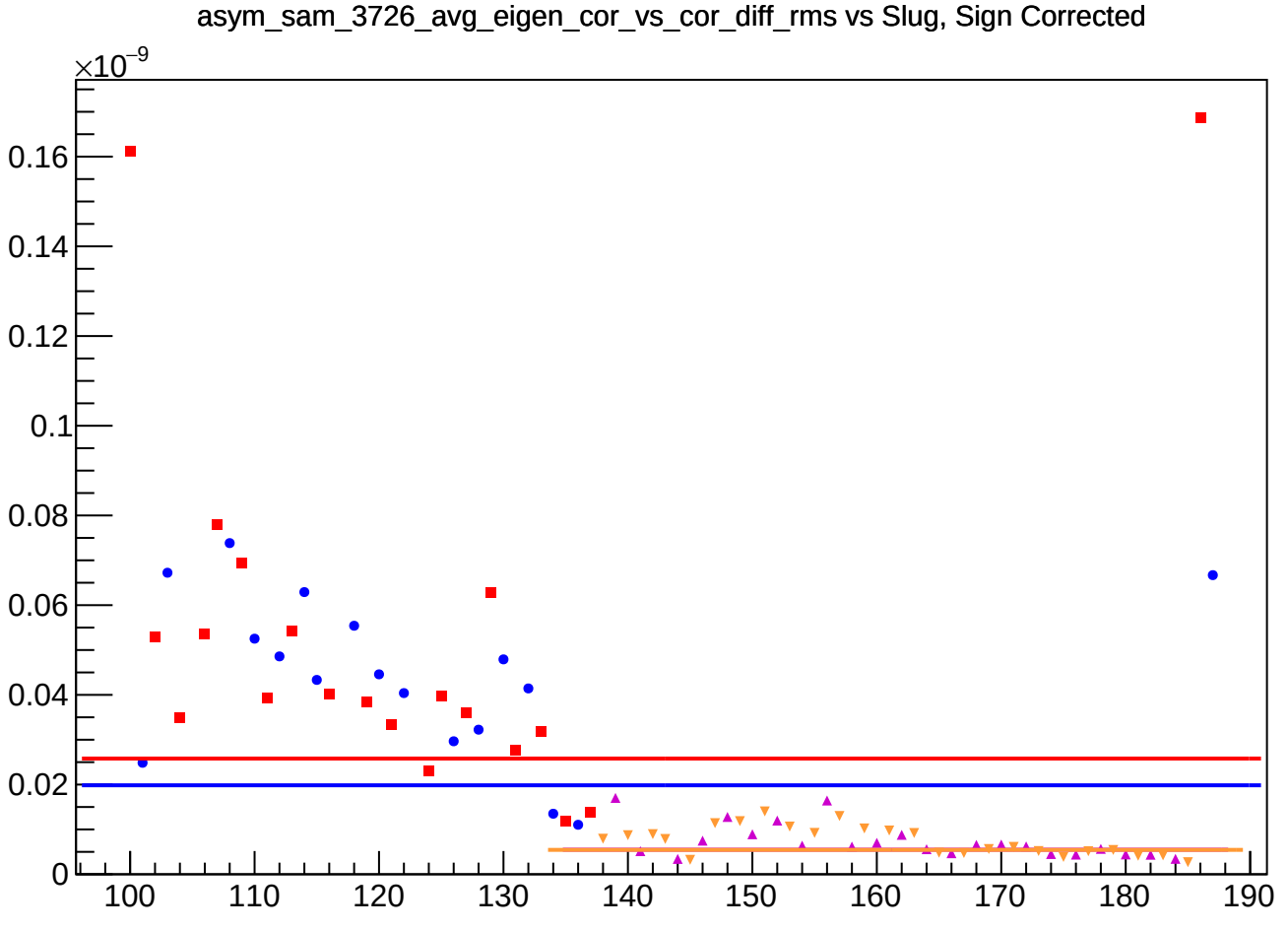
Right: 45.199+/-0.009 χ^2/NDF: 3504806.9/36

In: 42.069+/-0.006 χ^2/NDF:4085965.6/39

Out: 42.940+/-0.006 χ^2/NDF:5418149.3/44

All: 42.505+/-0.004 χ^2/NDF: 9513581.4/84


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 11.8/16
Left Out: 0.000+/-0.000 χ²/NDF:19.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/19
Left In: 0.000+/-0.000 χ²/NDF:13.2/22
Left: 0.000+/-0.000 χ²/NDF: 35.1/47
Right: 0.000+/-0.000 χ²/NDF: 31.2/36
In: 0.000+/-0.000 χ²/NDF:26.8/39
Out: 0.000+/-0.000 χ²/NDF:38.7/44
All: 0.000+/-0.000 χ²/NDF: 68.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 3393532.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3131909.3/19

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

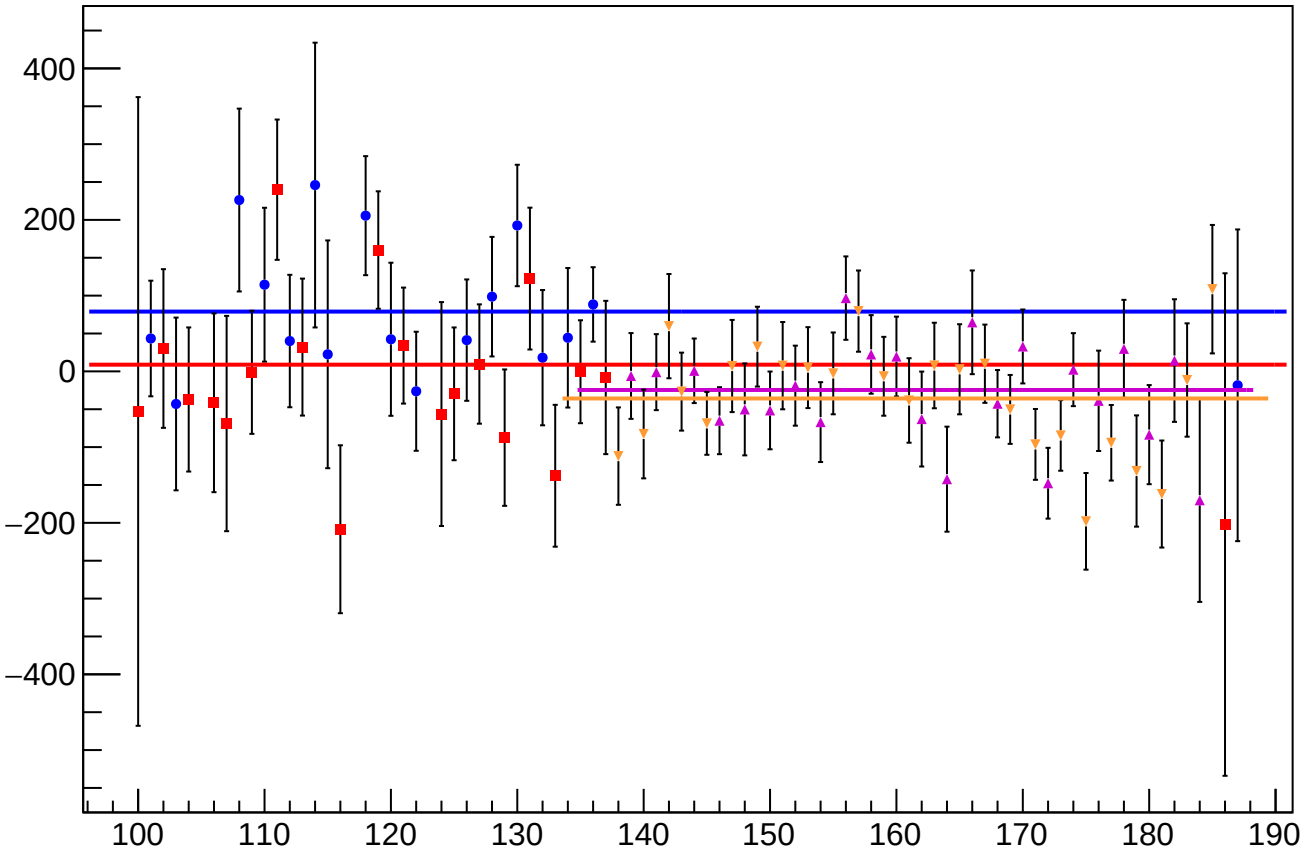
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 6753542.8/36

In: 0.000+/-0.000 χ^2/NDF:9427247.0/39

Out: 0.000+/-0.000 χ^2/NDF:11276775.4/44

All: 0.000+/-0.000 χ^2/NDF: 20705790.8/84



Right In: 78.933+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 8.833+/-21.572 χ^2/NDF: 20.8/19

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

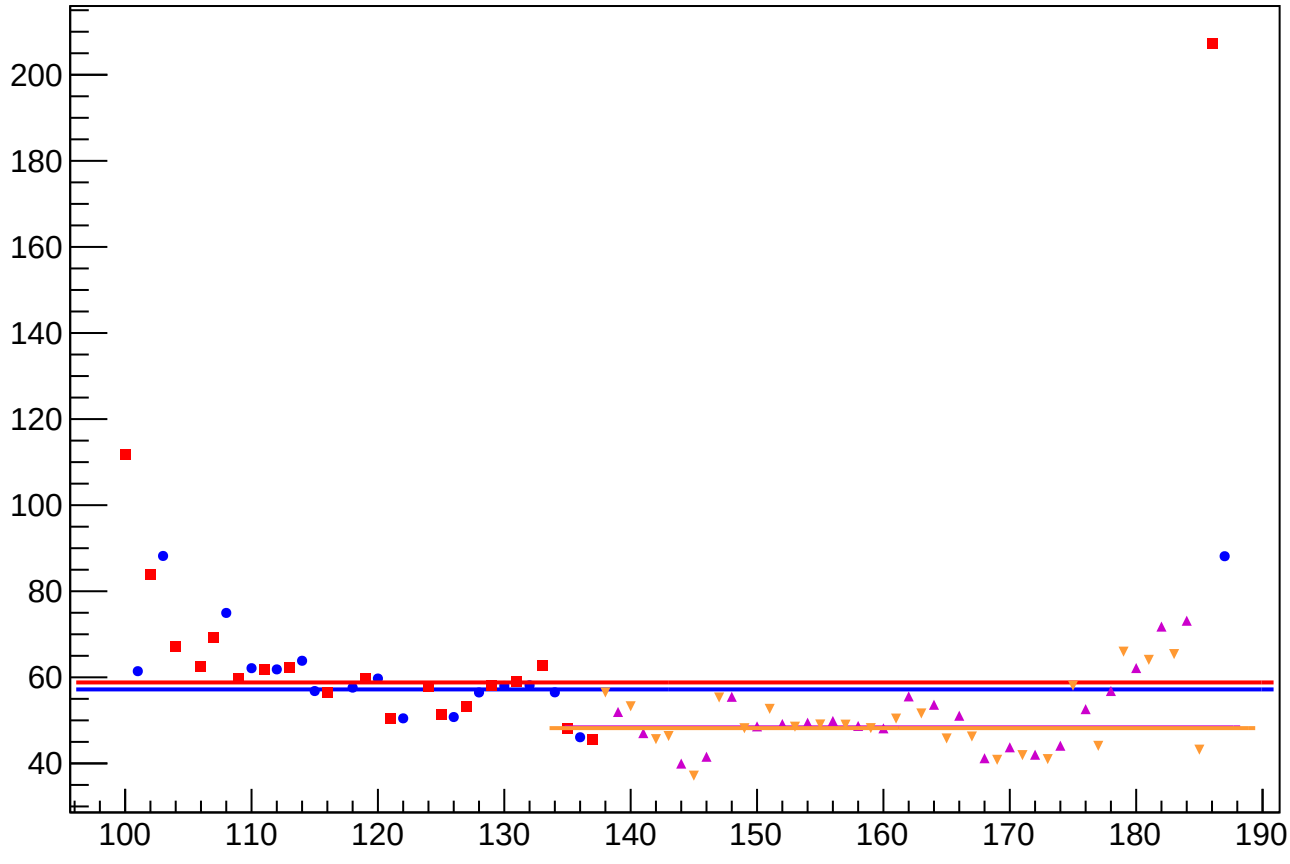
Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

Right: 44.231+/-15.177 χ^2/NDF: 37.9/36

In: -1.400+/-10.106 χ^2/NDF:55.7/39

Out: -26.420+/-9.884 χ^2/NDF:57.8/44

All: -14.188+/-7.066 χ^2/NDF: 116.7/84



Right In: 57.191+/-0.015 χ^2/NDF: 387331.9/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 58.812+/-0.015 χ^2/NDF: 716635.5/19

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

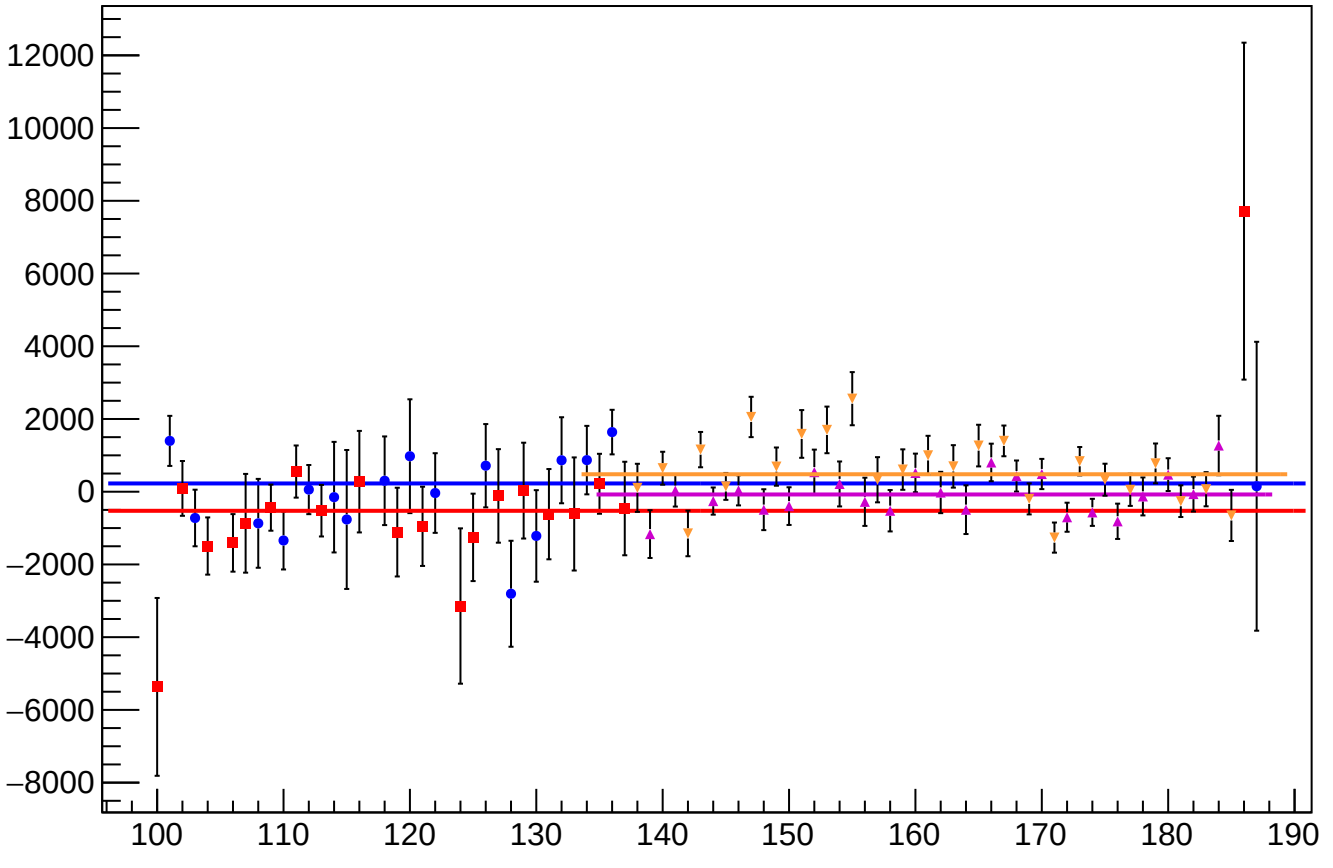
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 57.993+/-0.011 χ^2/NDF: 1109665.5/36

In: 50.353+/-0.007 χ^2/NDF:1346861.6/39

Out: 50.426+/-0.007 χ^2/NDF:1879424.0/44

All: 50.391+/-0.005 χ^2/NDF: 3226339.3/84



Right In: 227.225+/-240.781 χ^2/NDF: 21.6/16

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -524.943+/-226.970 χ^2/NDF: 16.5/19

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

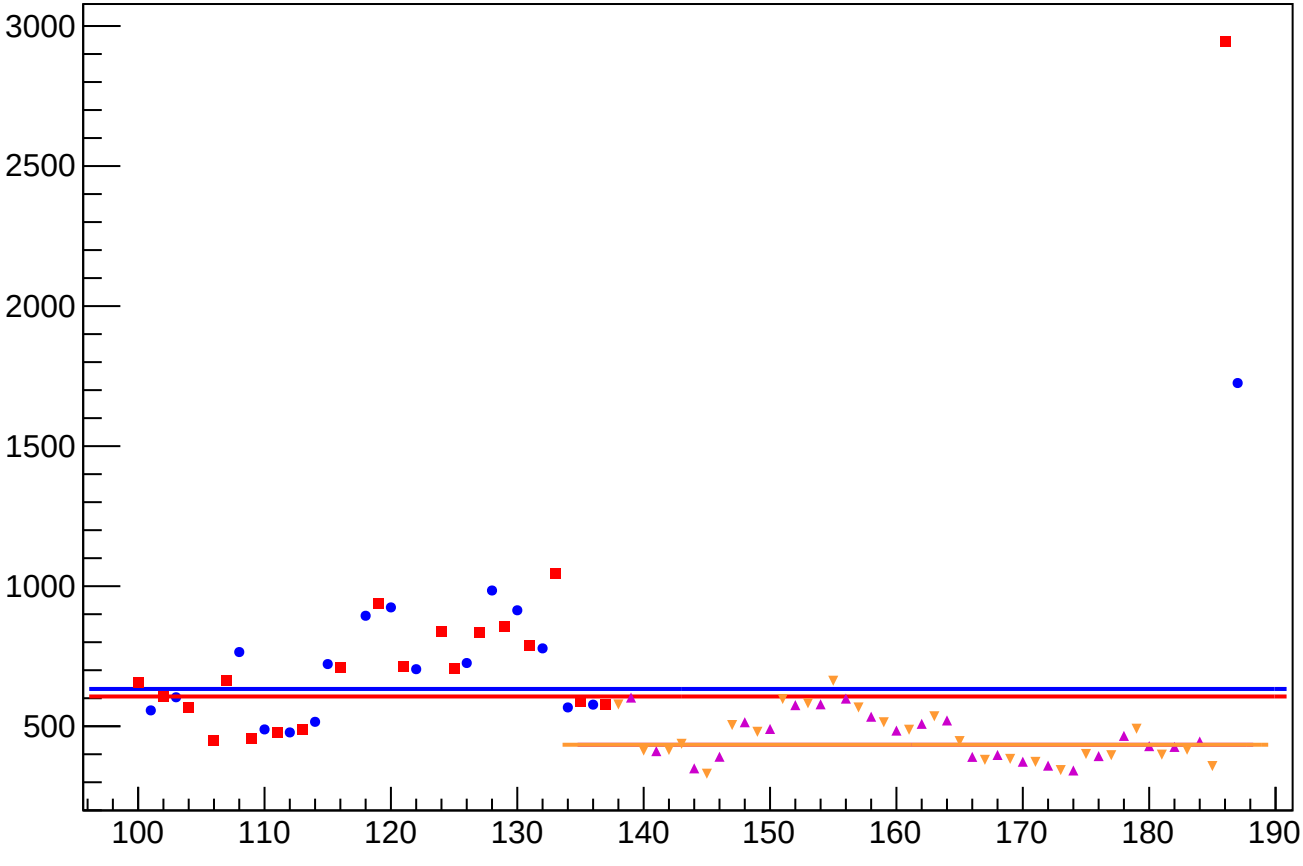
Right: -171.050+/-165.159 χ^2/NDF: 43.4/36

In: -28.712+/-94.799 χ^2/NDF:47.4/39

Out: 315.376+/-91.914 χ^2/NDF:102.2/44

All: 148.647+/-65.989 χ^2/NDF: 156.4/84

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 633.124+/-0.170 χ^2/NDF: 844483.5/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 606.218+/-0.160 χ^2/NDF: 1385256.1/19

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

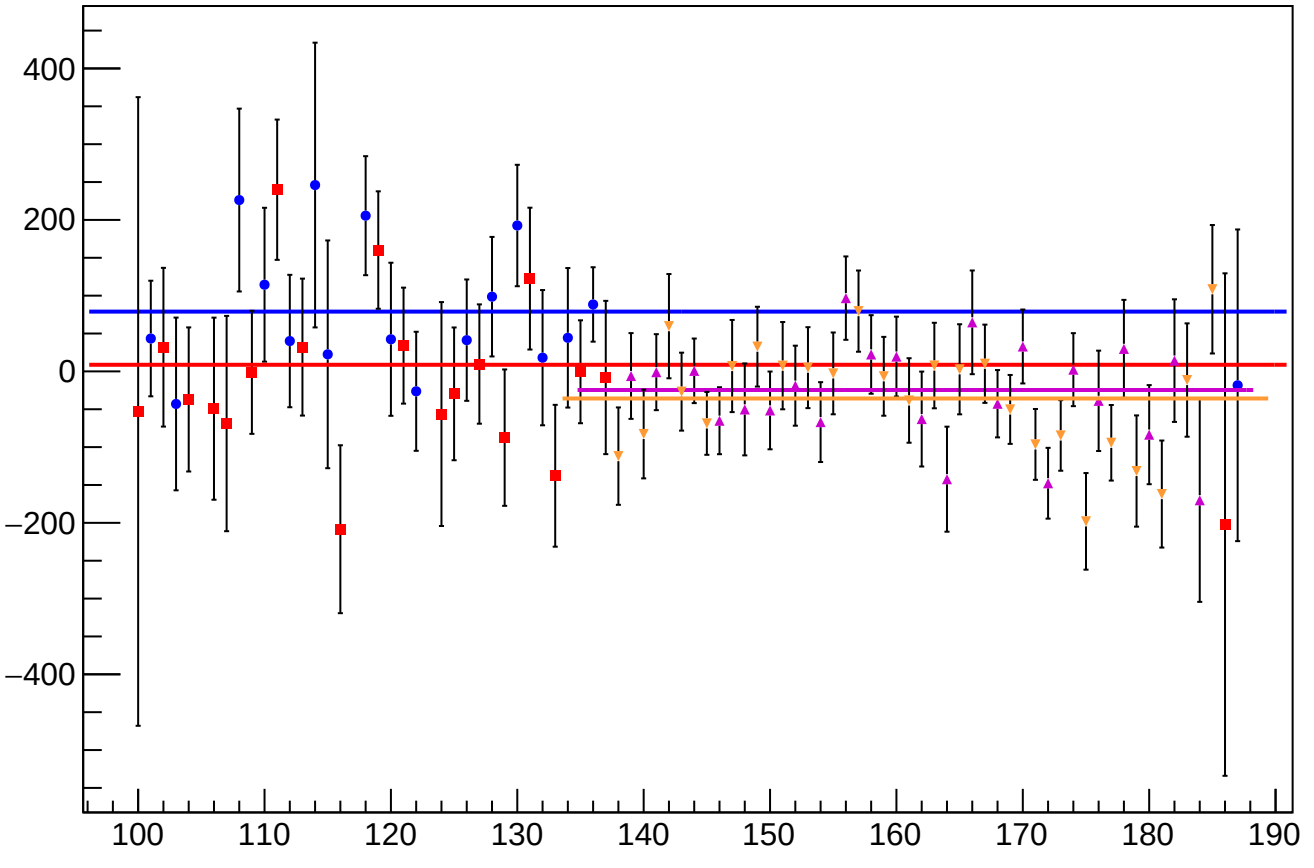
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 618.877+/-0.117 χ^2/NDF: 2242962.3/36

In: 464.631+/-0.067 χ^2/NDF:3098299.4/39

Out: 462.197+/-0.065 χ^2/NDF:3592211.8/44

All: 463.376+/-0.047 χ^2/NDF: 6691190.9/84



Right In: 78.938+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 8.722+/-21.585 χ^2/NDF: 20.8/19

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

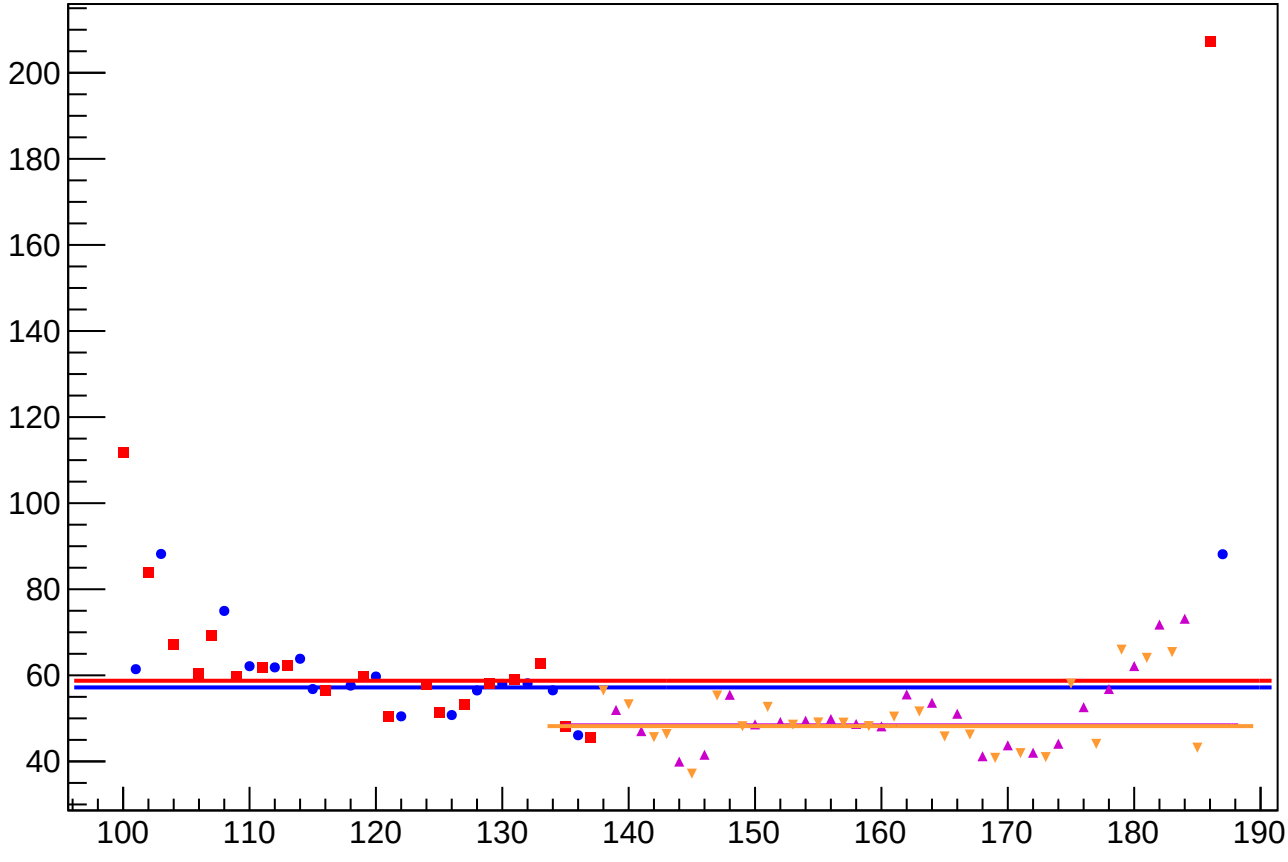
Right: 44.201+/-15.182 χ^2/NDF: 37.9/36

In: -1.400+/-10.106 χ^2/NDF:55.8/39

Out: -26.457+/-9.885 χ^2/NDF:57.9/44

All: -14.205+/-7.066 χ^2/NDF: 116.8/84

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 57.191+/-0.015 χ^2/NDF: 387335.6/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 58.742+/-0.015 χ^2/NDF: 715292.8/19

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

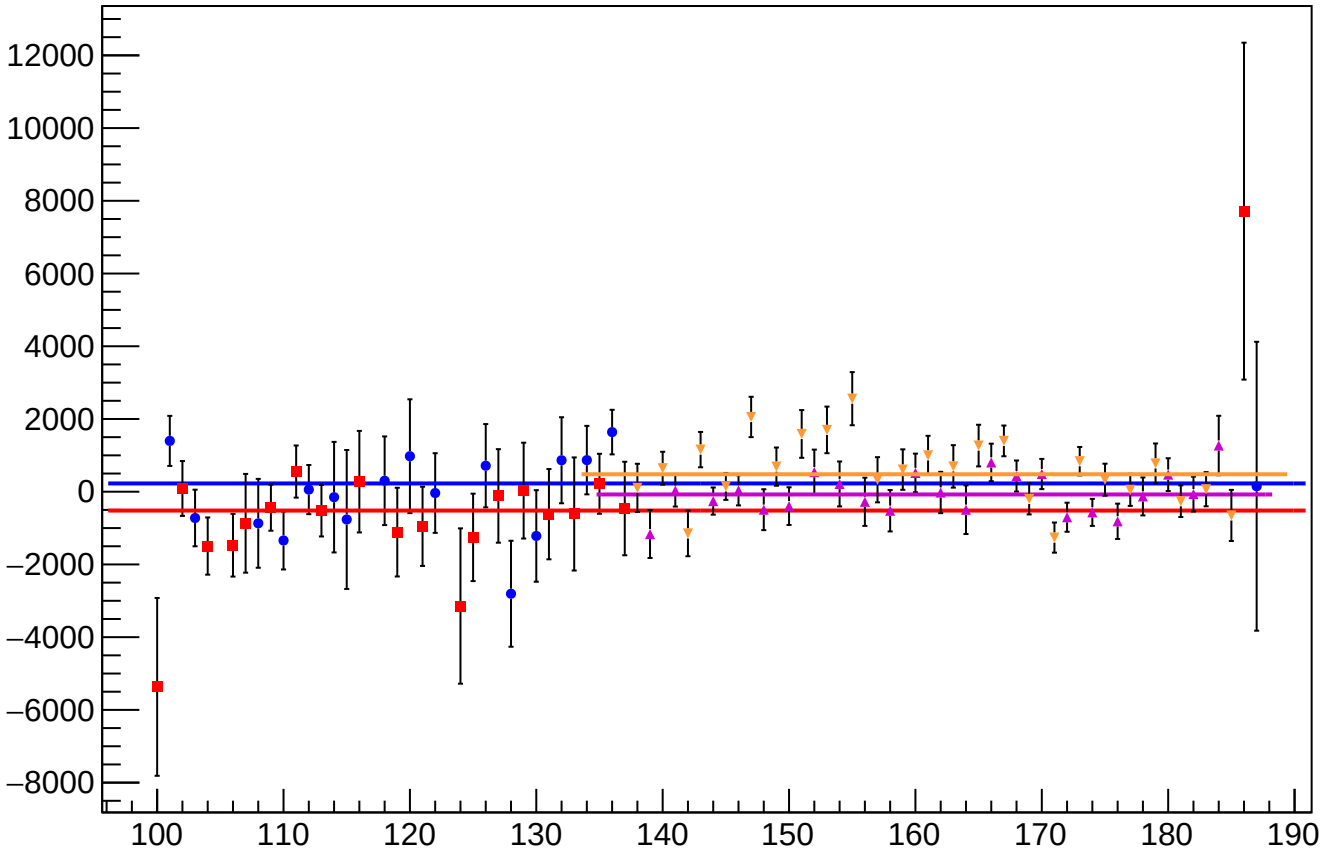
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 57.958+/-0.011 χ^2/NDF: 1107843.9/36

In: 50.353+/-0.007 χ^2/NDF:1346865.7/39

Out: 50.410+/-0.007 χ^2/NDF:1872705.4/44

All: 50.382+/-0.005 χ^2/NDF: 3219603.0/84



Right In: 227.263+/-240.783 χ^2/NDF: 21.6/16

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -518.042+/-228.476 χ^2/NDF: 16.5/19

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

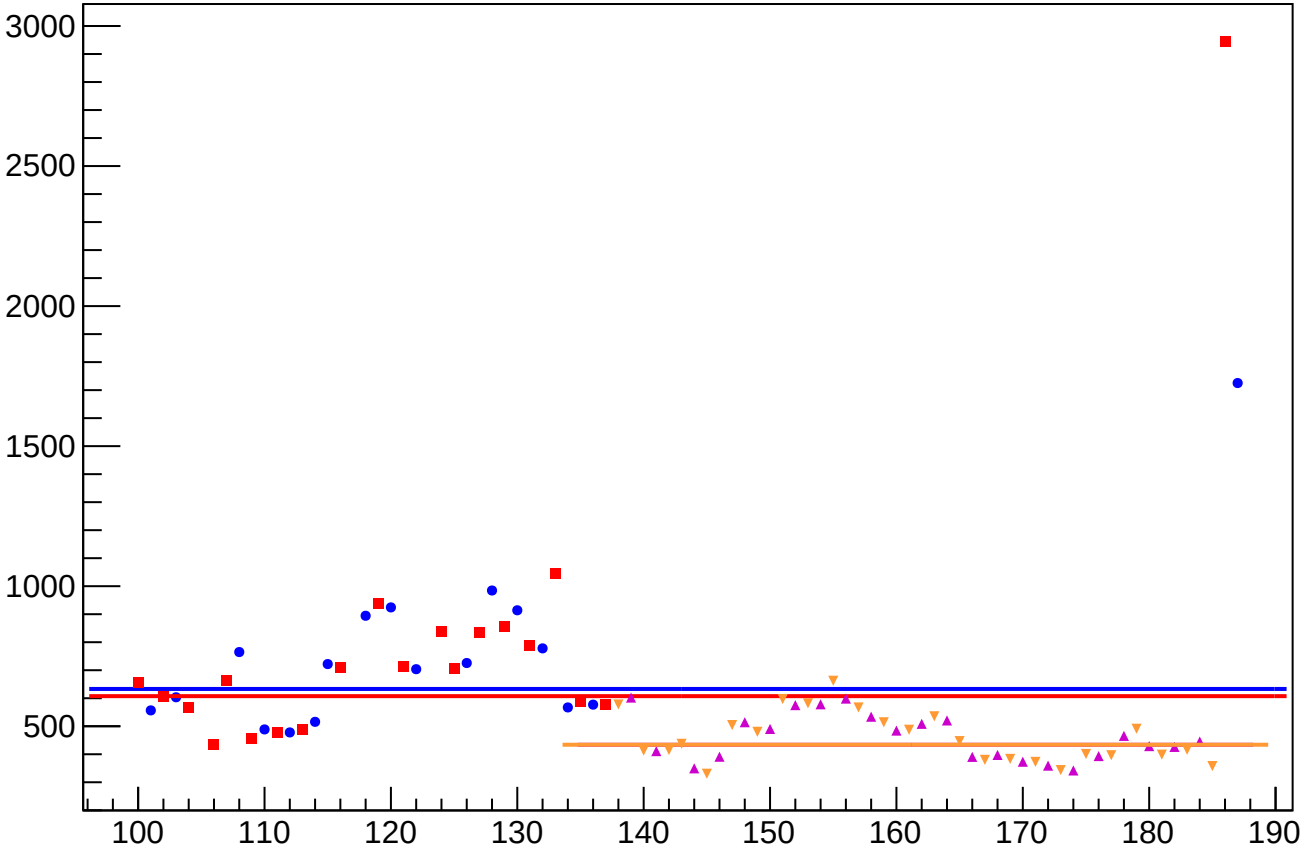
Right: -164.924+/-165.737 χ^2/NDF: 43.2/36

In: -28.709+/-94.799 χ^2/NDF:47.4/39

Out: 318.306+/-92.013 χ^2/NDF:101.7/44

All: 149.972+/-66.026 χ^2/NDF: 156.0/84

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 633.128+/-0.170 χ^2/NDF: 844473.8/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 607.418+/-0.162 χ^2/NDF: 1384176.7/19

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

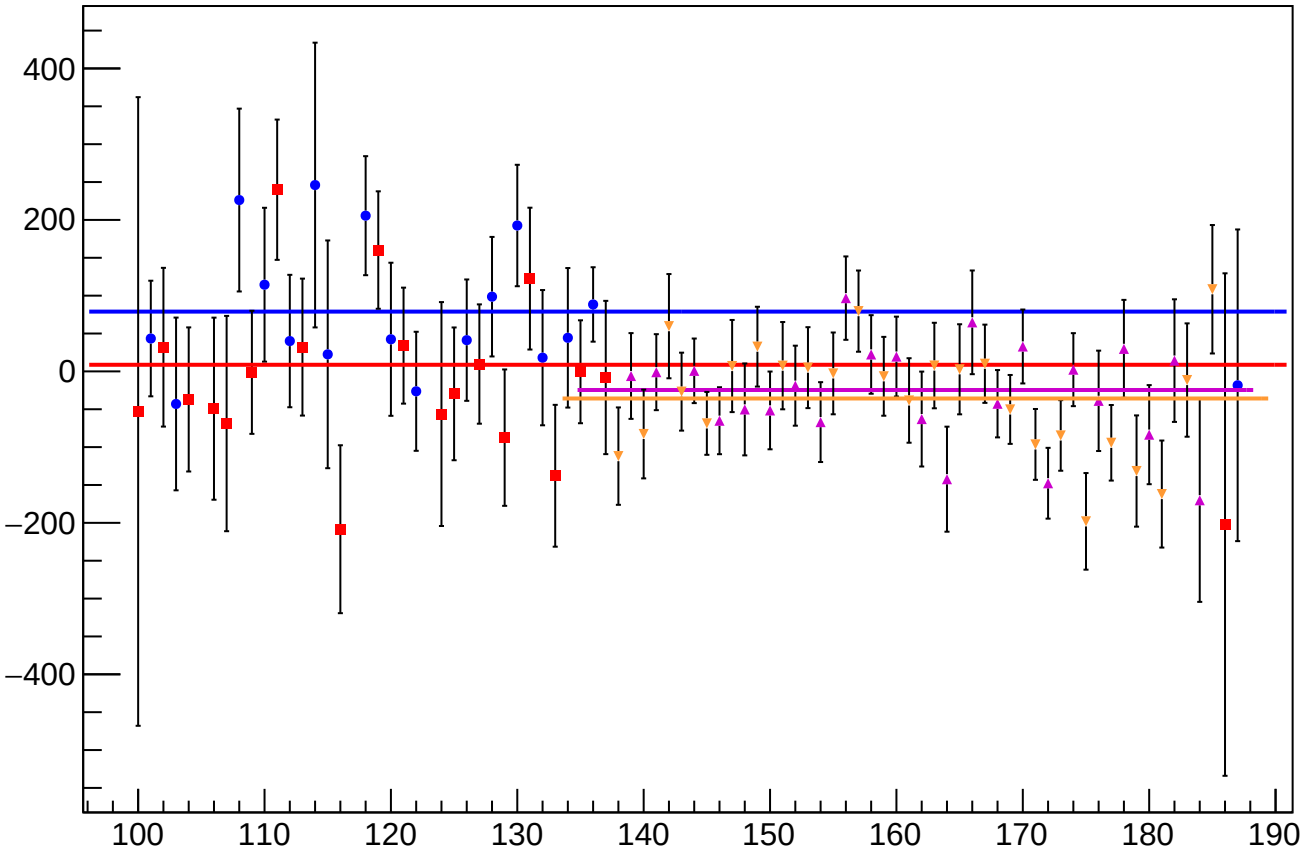
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 619.599+/-0.117 χ^2/NDF: 2240649.6/36

In: 464.632+/-0.067 χ^2/NDF:3098329.3/39

Out: 462.080+/-0.065 χ^2/NDF:3593839.4/44

All: 463.318+/-0.047 χ^2/NDF: 6692914.5/84



Right In: 78.938+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 8.722+/-21.585 χ^2/NDF: 20.8/19

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

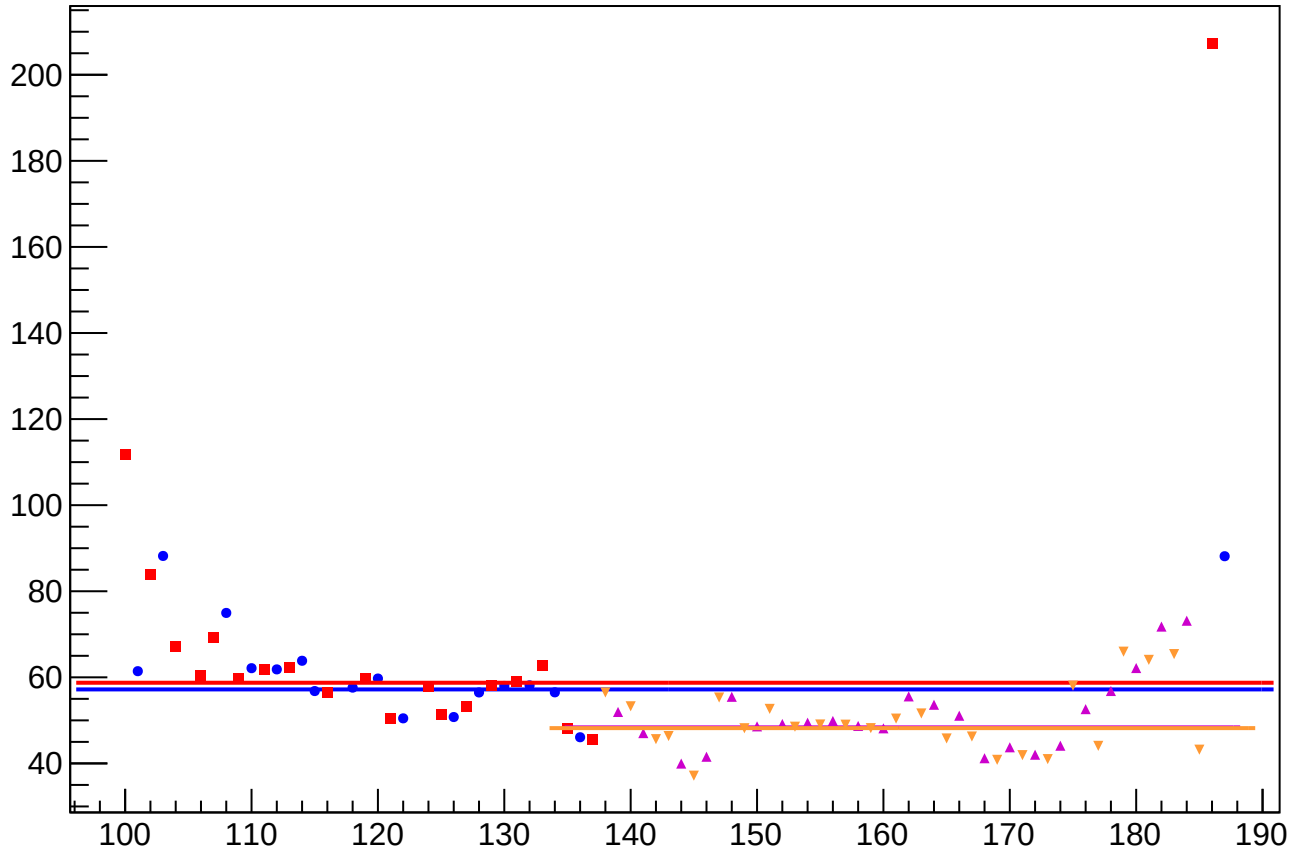
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 44.201+/-15.182 χ^2/NDF: 37.9/36

In: -1.400+/-10.106 χ^2/NDF:55.8/39

Out: -26.457+/-9.885 χ^2/NDF:57.9/44

All: -14.205+/-7.066 χ^2/NDF: 116.8/84



Right In: 57.191+/-0.015 χ^2/NDF: 387335.6/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 58.742+/-0.015 χ^2/NDF: 715292.8/19

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

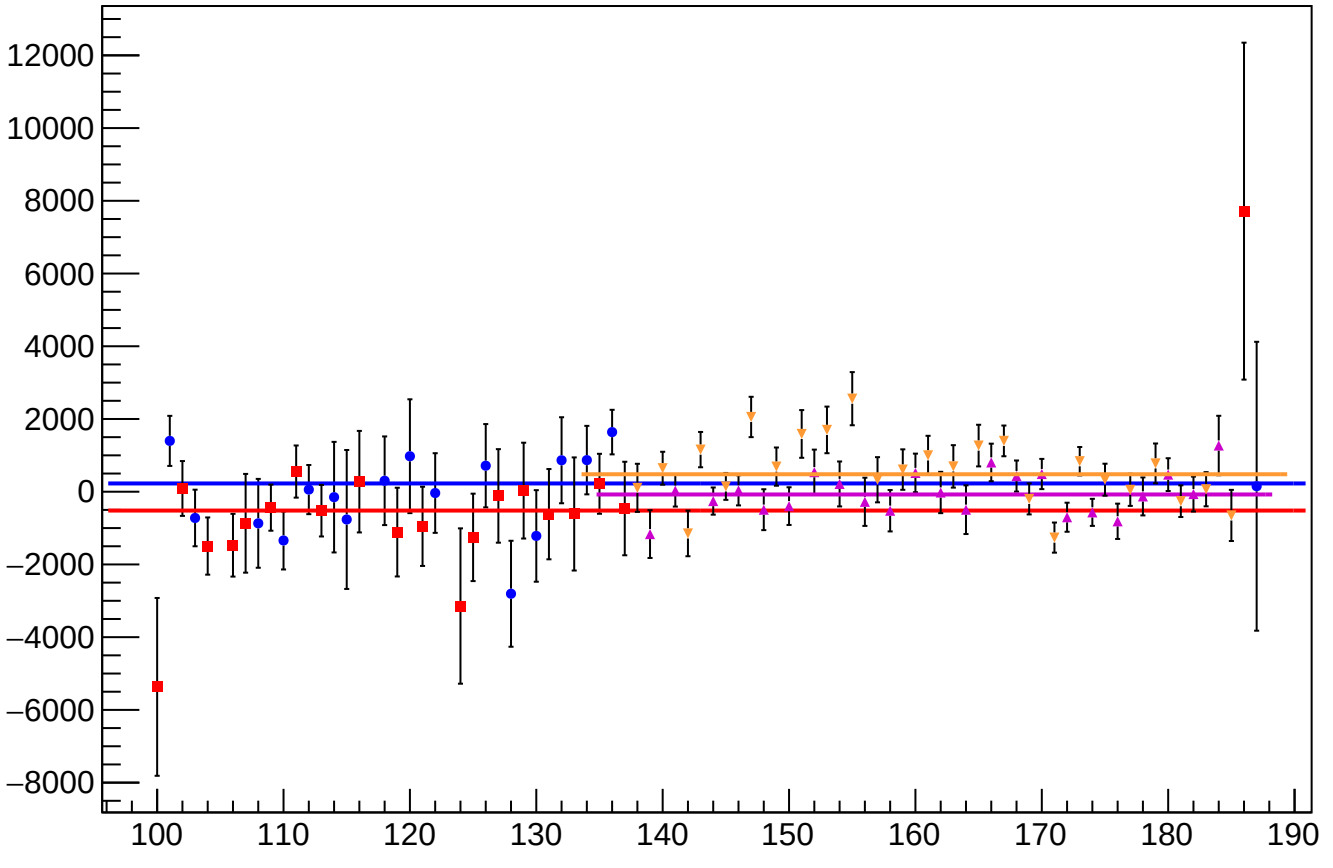
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 57.958+/-0.011 χ^2/NDF: 1107843.9/36

In: 50.353+/-0.007 χ^2/NDF:1346865.7/39

Out: 50.410+/-0.007 χ^2/NDF:1872705.4/44

All: 50.382+/-0.005 χ^2/NDF: 3219603.0/84



Right In: 227.263+/-240.783 χ^2/NDF: 21.6/16

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -518.042+/-228.476 χ^2/NDF: 16.5/19

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

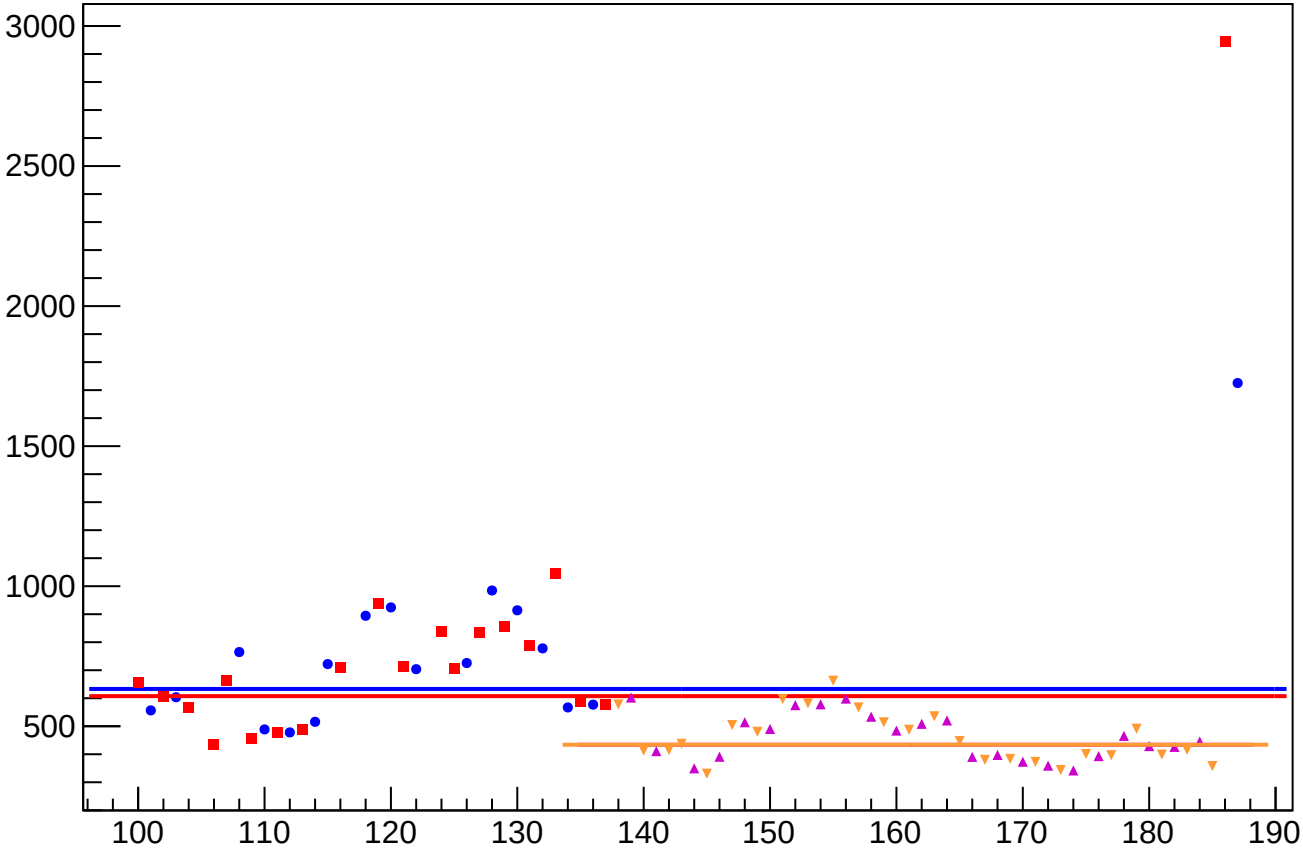
Right: -164.924+/-165.737 χ^2/NDF: 43.2/36

In: -28.709+/-94.799 χ^2/NDF:47.4/39

Out: 318.306+/-92.013 χ^2/NDF:101.7/44

All: 149.972+/-66.026 χ^2/NDF: 156.0/84

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 633.128+/-0.170 χ^2/NDF: 844473.8/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 607.418+/-0.162 χ^2/NDF: 1384176.7/19

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

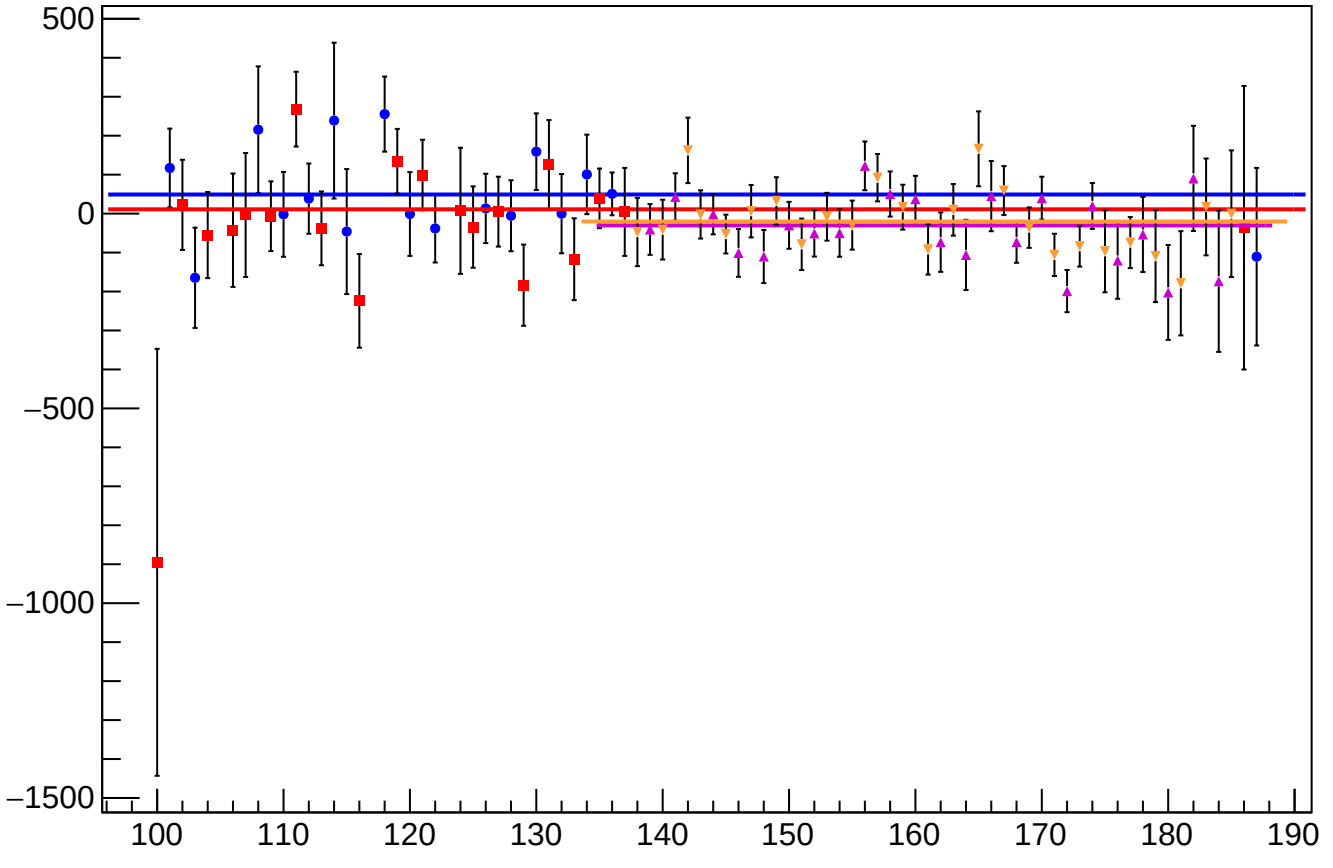
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 619.599+/-0.117 χ^2/NDF: 2240649.6/36

In: 464.632+/-0.067 χ^2/NDF:3098329.3/39

Out: 462.080+/-0.065 χ^2/NDF:3593839.4/44

All: 463.318+/-0.047 χ^2/NDF: 6692914.5/84



Right In: 49.017+/-24.352 χ^2/NDF: 14.3/16

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 11.050+/-24.270 χ^2/NDF: 24.0/19

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

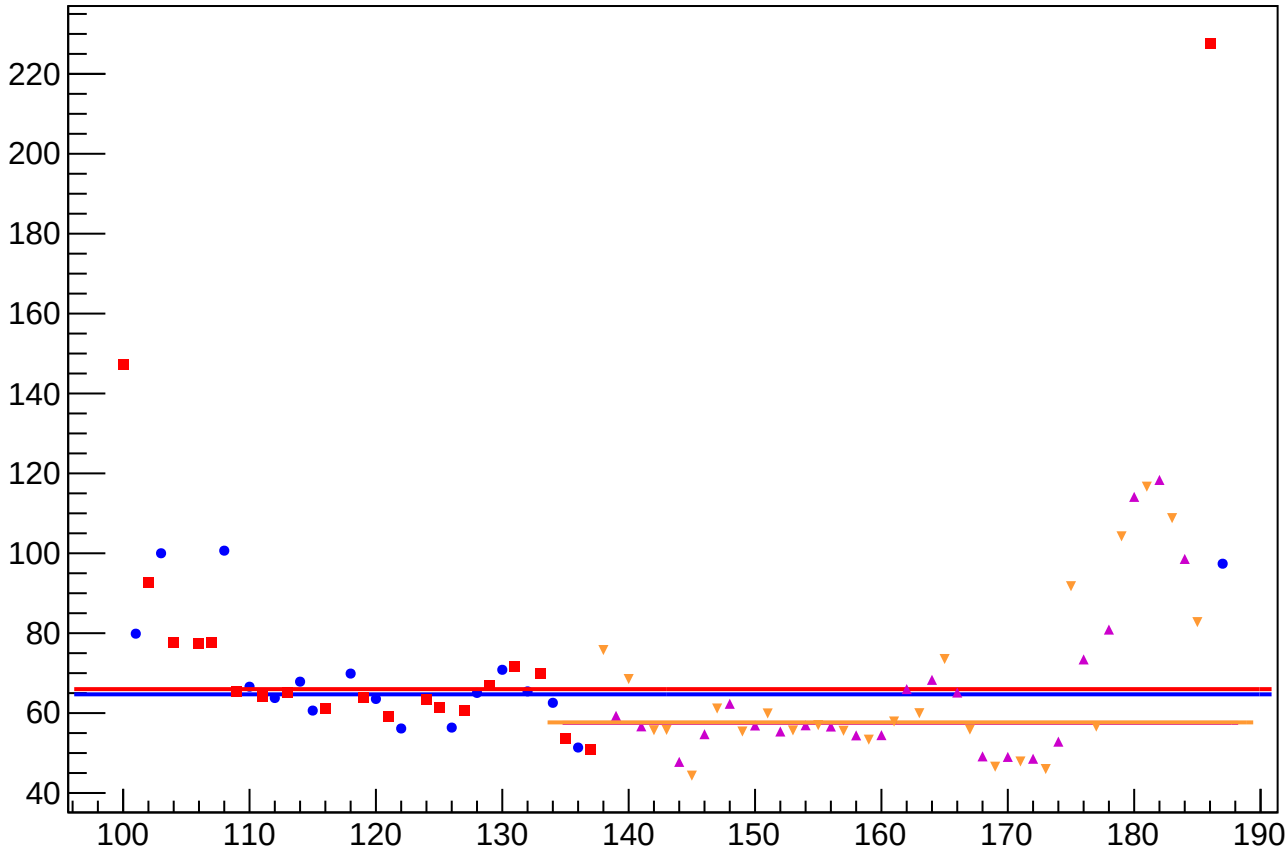
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 29.969+/-17.191 χ^2/NDF: 39.6/36

In: -10.655+/-12.123 χ^2/NDF:54.9/39

Out: -12.755+/-11.888 χ^2/NDF:50.4/44

All: -11.726+/-8.488 χ^2/NDF: 105.3/84



Right In: 64.694+/-0.017 χ^2/NDF: 506591.0/16

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 65.999+/-0.017 χ^2/NDF: 715004.8/19

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

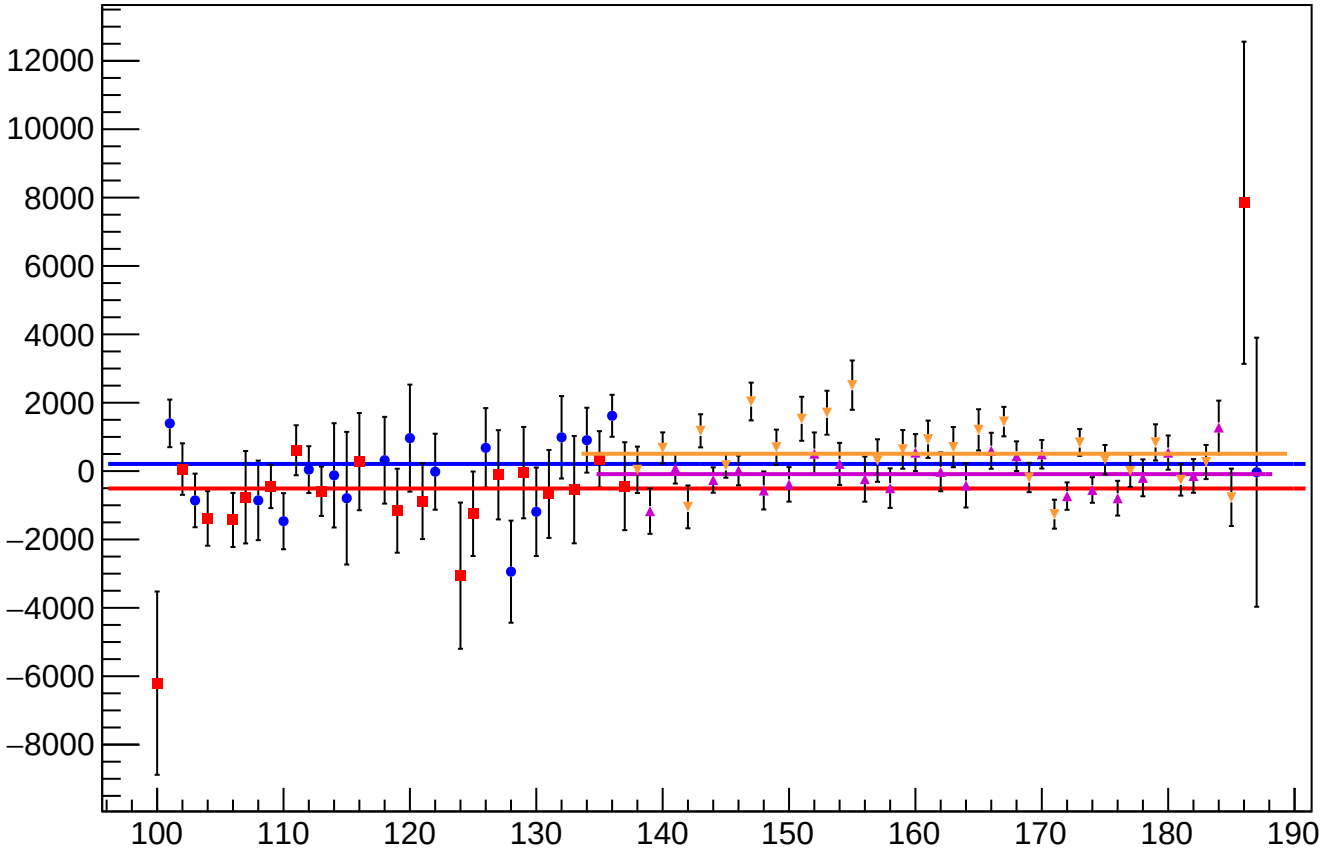
Right: 65.349+/-0.012 χ^2/NDF: 1224475.7/36

In: 59.313+/-0.009 χ^2/NDF:2079738.0/39

Out: 59.667+/-0.008 χ^2/NDF:2803859.3/44

All: 59.493+/-0.006 χ^2/NDF: 4884468.2/84

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 209.092+/-243.331 χ^2/NDF: 22.4/16

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -508.818+/-229.406 χ^2/NDF: 17.0/19

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

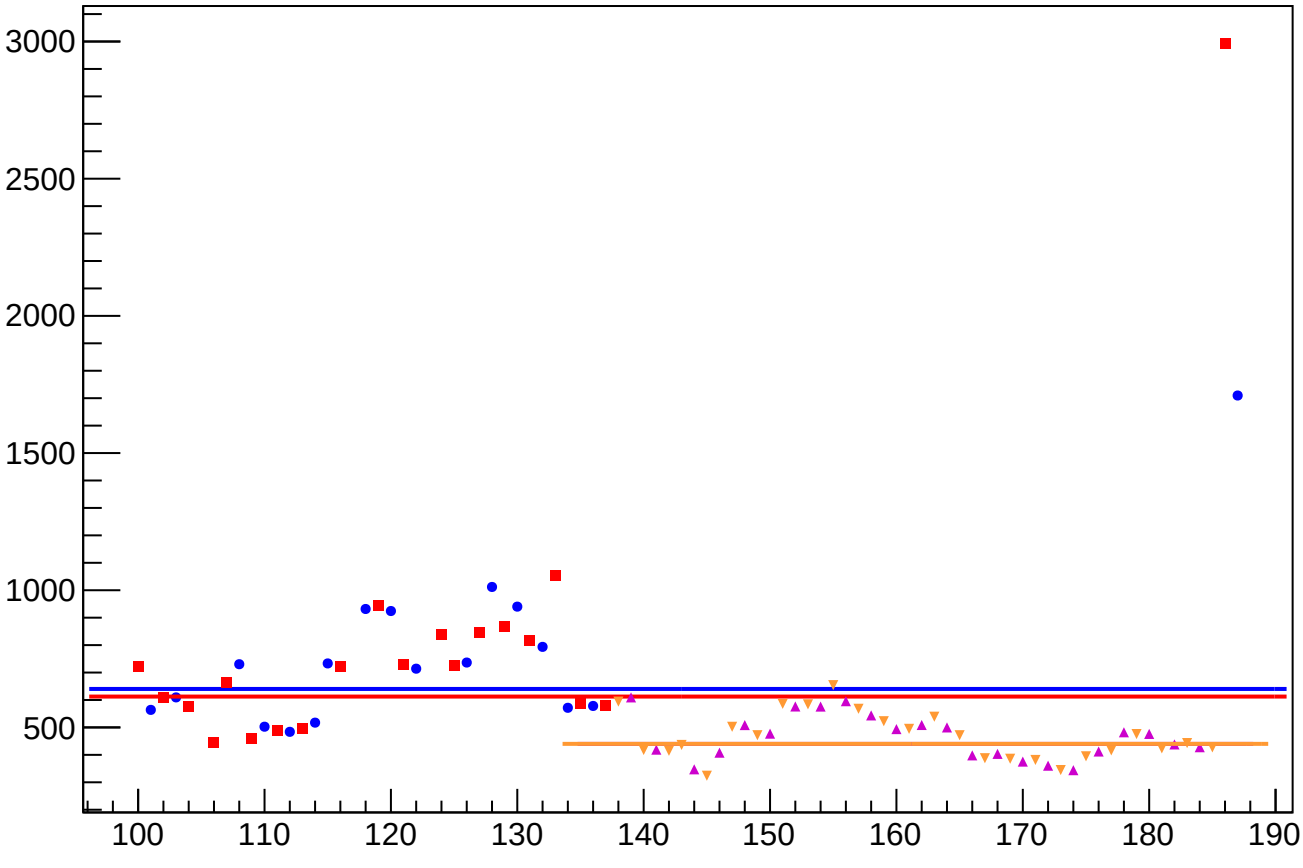
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -170.992+/-166.921 χ^2/NDF: 44.0/36

In: -42.106+/-96.052 χ^2/NDF:47.0/39

Out: 340.085+/-93.032 χ^2/NDF:99.2/44

All: 155.093+/-66.826 χ^2/NDF: 154.4/84



Right In: 640.249+/-0.172 χ^2/NDF: 853518.6/16

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 612.457+/-0.162 χ^2/NDF: 1405310.5/19

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

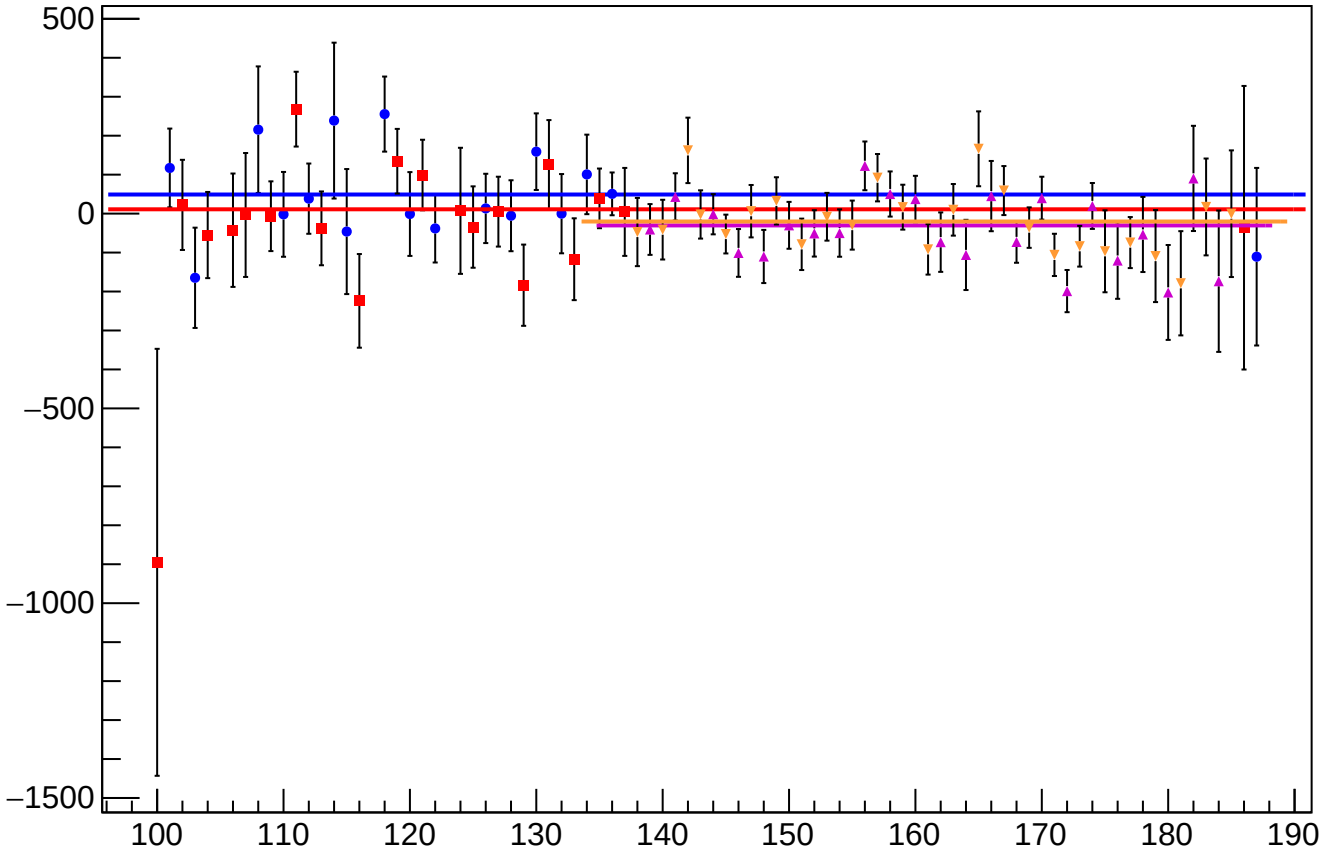
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 625.535+/-0.118 χ^2/NDF: 2272641.6/36

In: 471.099+/-0.068 χ^2/NDF:3060265.2/39

Out: 468.425+/-0.066 χ^2/NDF:3545862.5/44

All: 469.719+/-0.047 χ^2/NDF: 6606927.5/84



Right In: 49.015+/-24.352 χ^2/NDF: 14.3/16

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 11.049+/-24.270 χ^2/NDF: 24.0/19

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

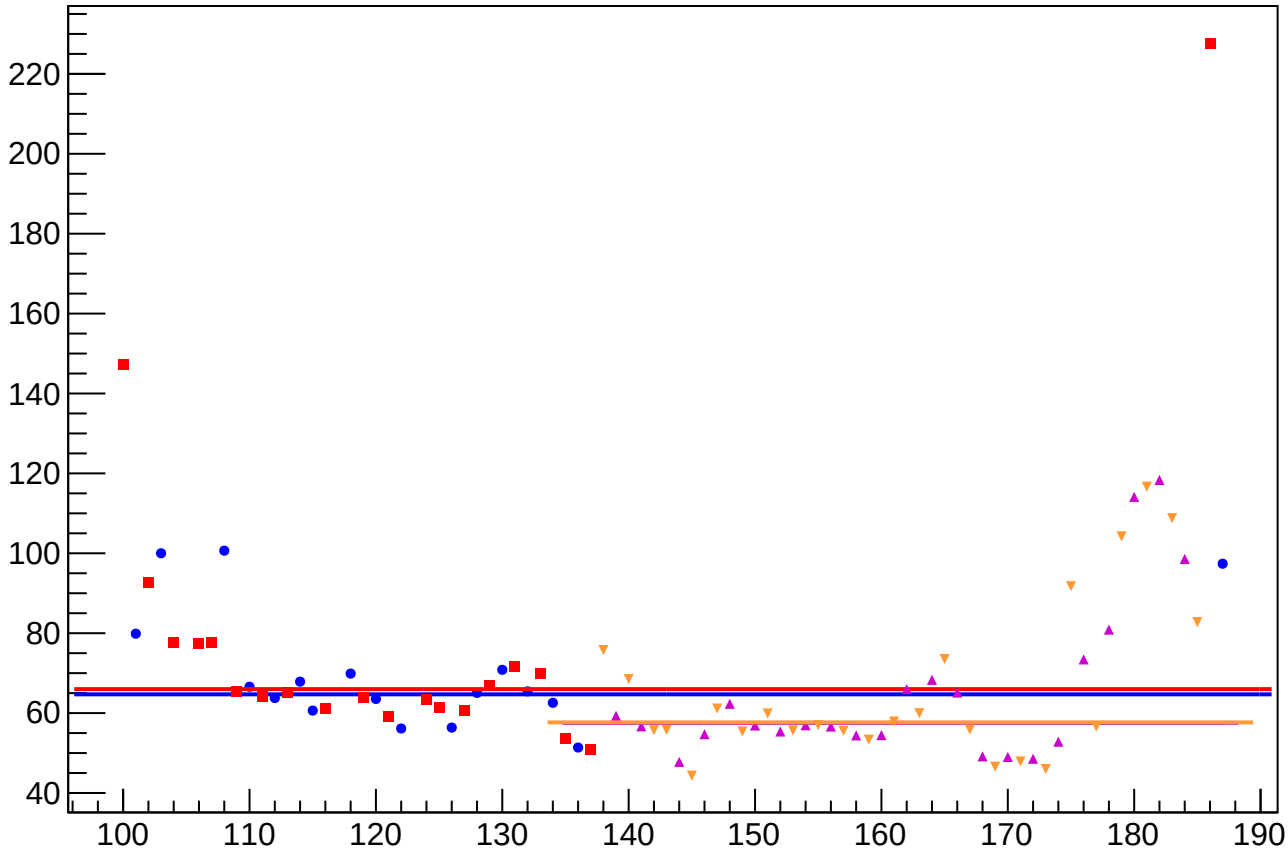
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 29.968+/-17.190 χ^2/NDF: 39.6/36

In: -10.656+/-12.123 χ^2/NDF:54.9/39

Out: -12.756+/-11.888 χ^2/NDF:50.4/44

All: -11.726+/-8.488 χ^2/NDF: 105.3/84



Right In: 64.694+/-0.017 χ^2/NDF: 506590.6/16

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 65.999+/-0.017 χ^2/NDF: 715012.4/19

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

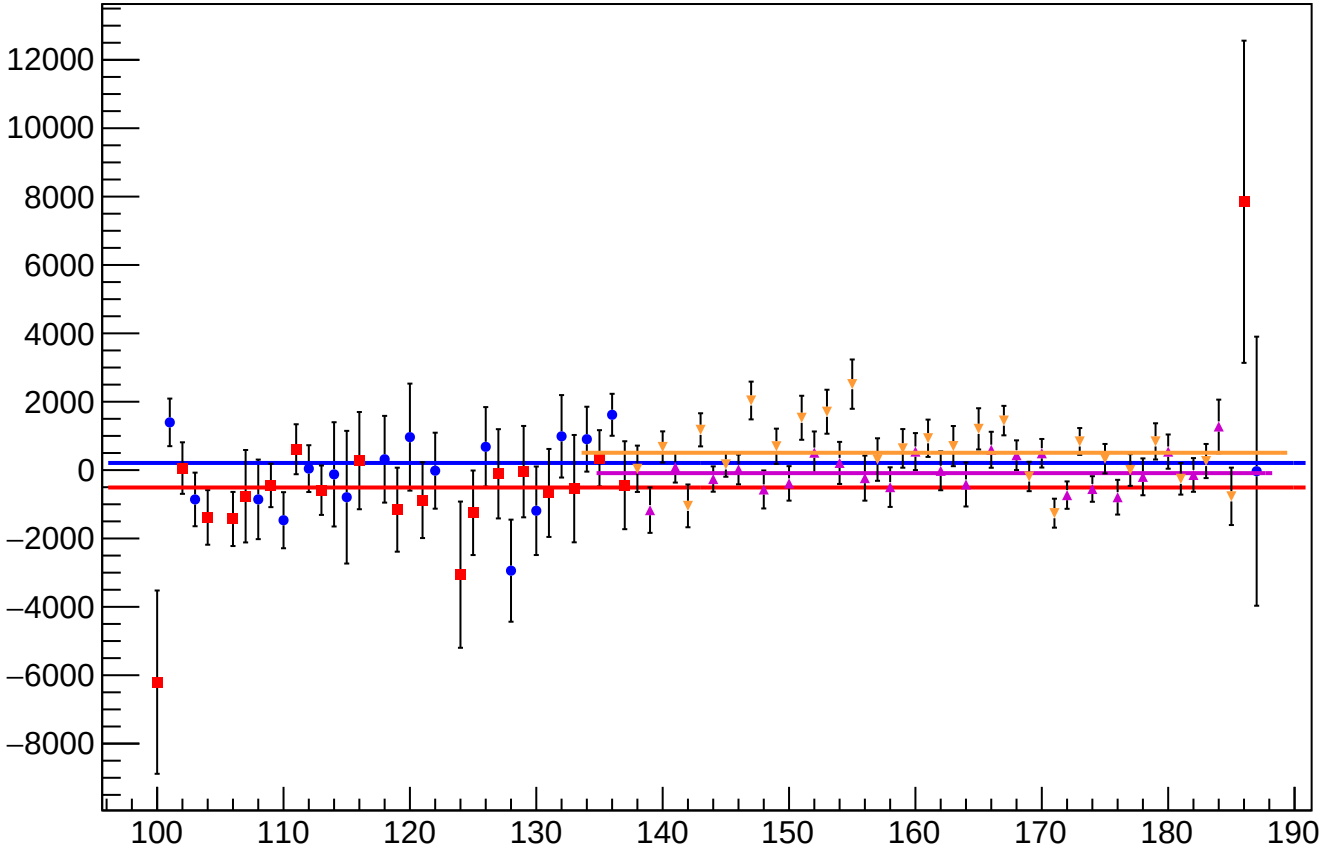
Right: 65.349+/-0.012 χ^2/NDF: 1224482.7/36

In: 59.313+/-0.009 χ^2/NDF:2079715.6/39

Out: 59.667+/-0.008 χ^2/NDF:2803851.9/44

All: 59.493+/-0.006 χ^2/NDF: 4884438.6/84

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 209.091+/-243.331 χ^2/NDF: 22.4/16

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -508.818+/-229.406 χ^2/NDF: 17.0/19

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

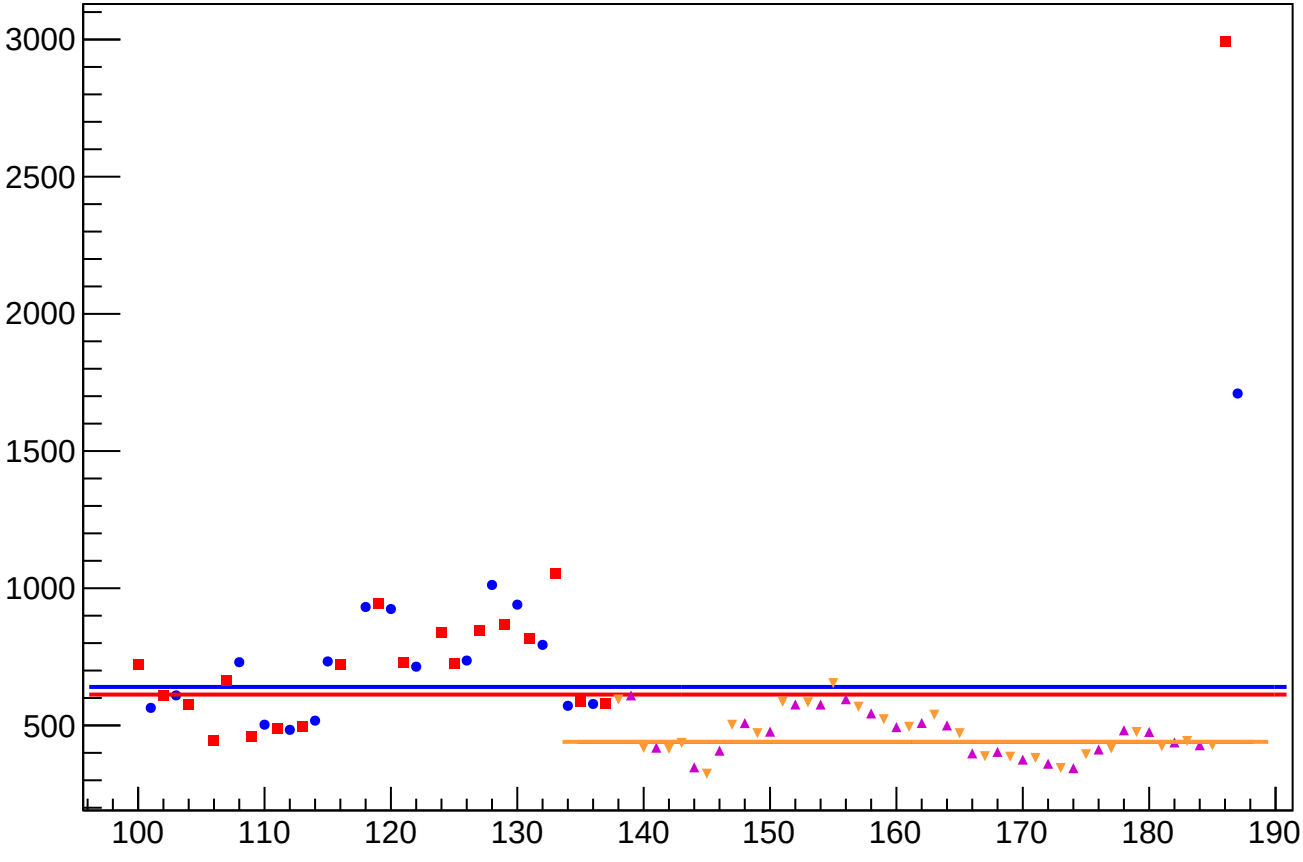
Right: -170.992+/-166.920 χ^2/NDF: 44.0/36

In: -42.106+/-96.052 χ^2/NDF:47.0/39

Out: 340.084+/-93.032 χ^2/NDF:99.2/44

All: 155.093+/-66.826 χ^2/NDF: 154.4/84

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 640.248+/-0.172 χ^2/NDF: 853521.6/16

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 612.457+/-0.162 χ^2/NDF: 1405313.3/19

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

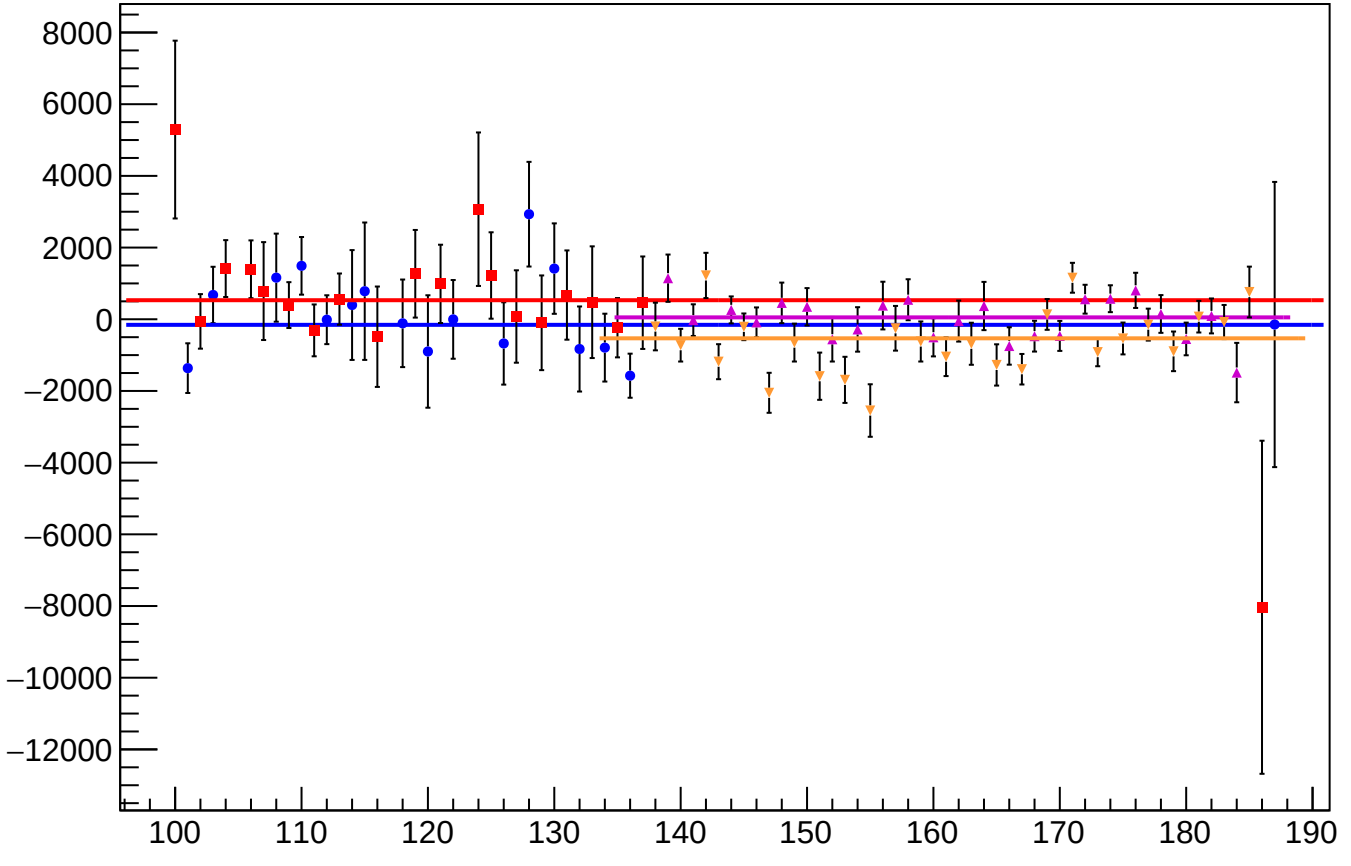
Right: 625.535+/-0.118 χ^2/NDF: 2272647.3/36

In: 471.097+/-0.068 χ^2/NDF:3060282.6/39

Out: 468.424+/-0.066 χ^2/NDF:3545879.5/44

All: 469.718+/-0.047 χ^2/NDF: 6606961.8/84

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.618+/-242.145 χ^2/NDF: 22.5/16

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 531.386+/-228.613 χ^2/NDF: 15.5/19

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

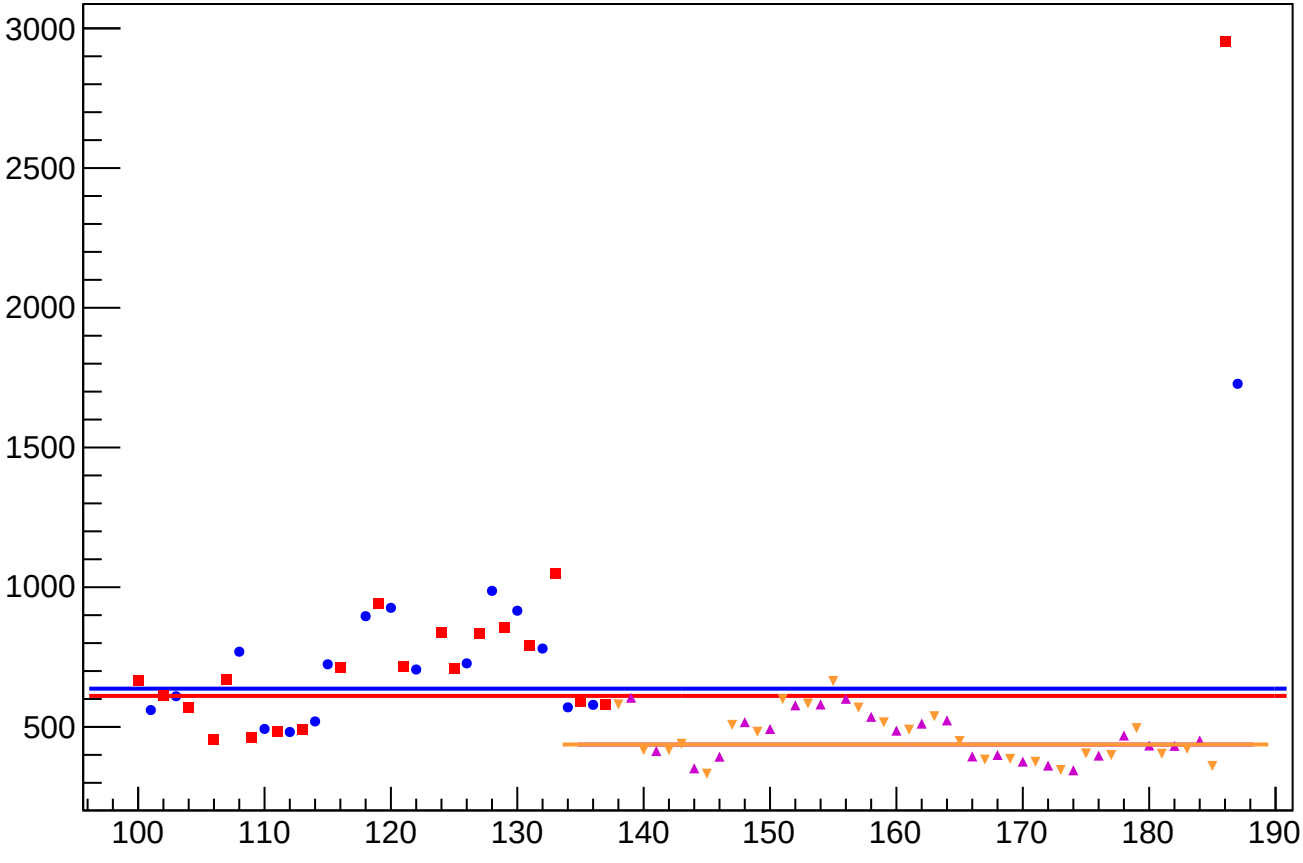
Right: 207.617+/-166.232 χ^2/NDF: 42.3/36

In: 20.202+/-95.458 χ^2/NDF:47.2/39

Out: -357.274+/-92.573 χ^2/NDF:99.2/44

All: -174.327+/-66.456 χ^2/NDF: 154.4/84

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 637.023+/-0.171 χ^2/NDF: 832082.4/16

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 611.056+/-0.162 χ^2/NDF: 1363222.7/19

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

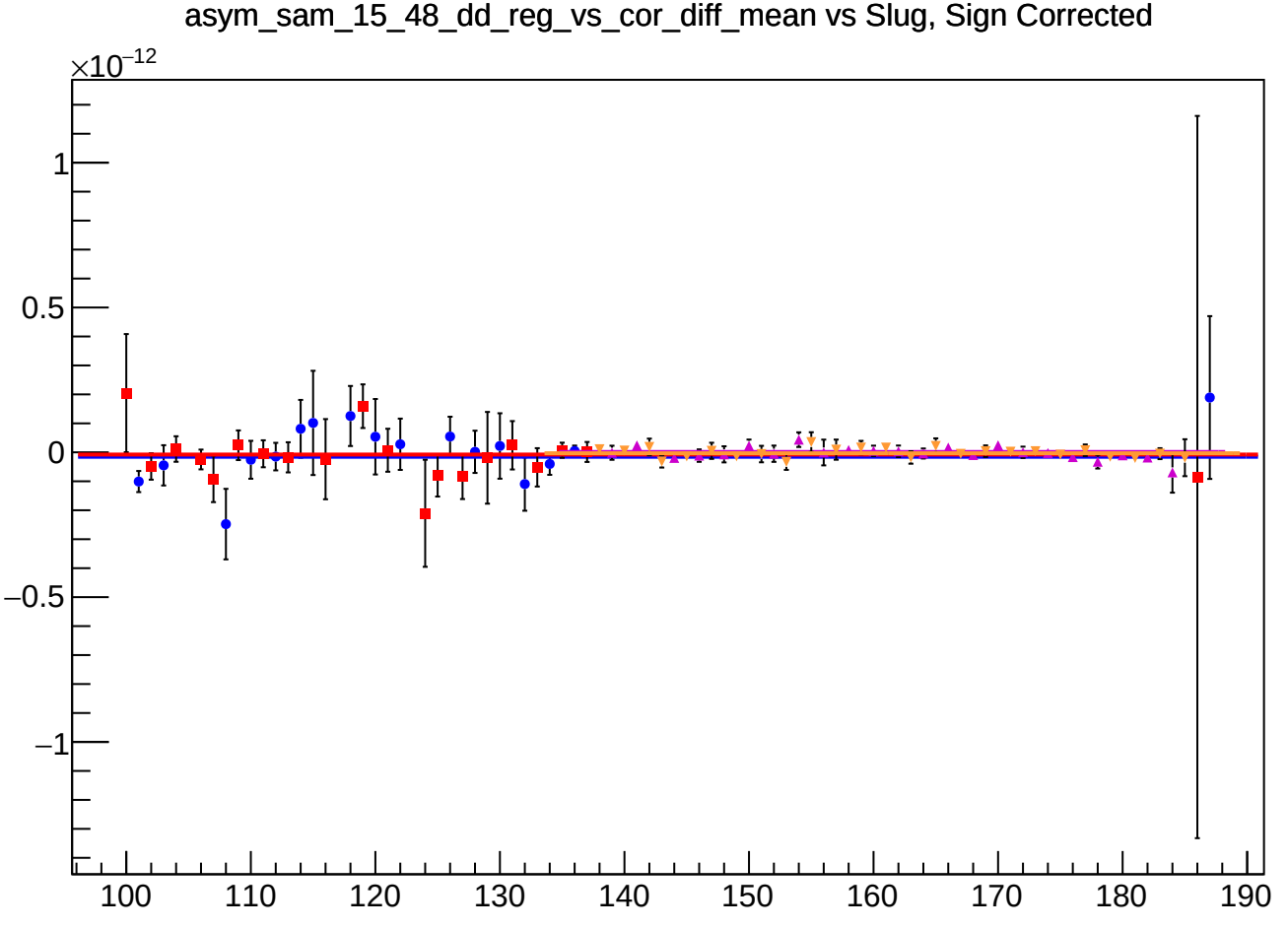
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 623.294+/-0.118 χ^2/NDF: 2207465.0/36

In: 468.032+/-0.067 χ^2/NDF:3065454.0/39

Out: 465.671+/-0.065 χ^2/NDF:3558167.4/44

All: 466.816+/-0.047 χ^2/NDF: 6624251.9/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/19

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

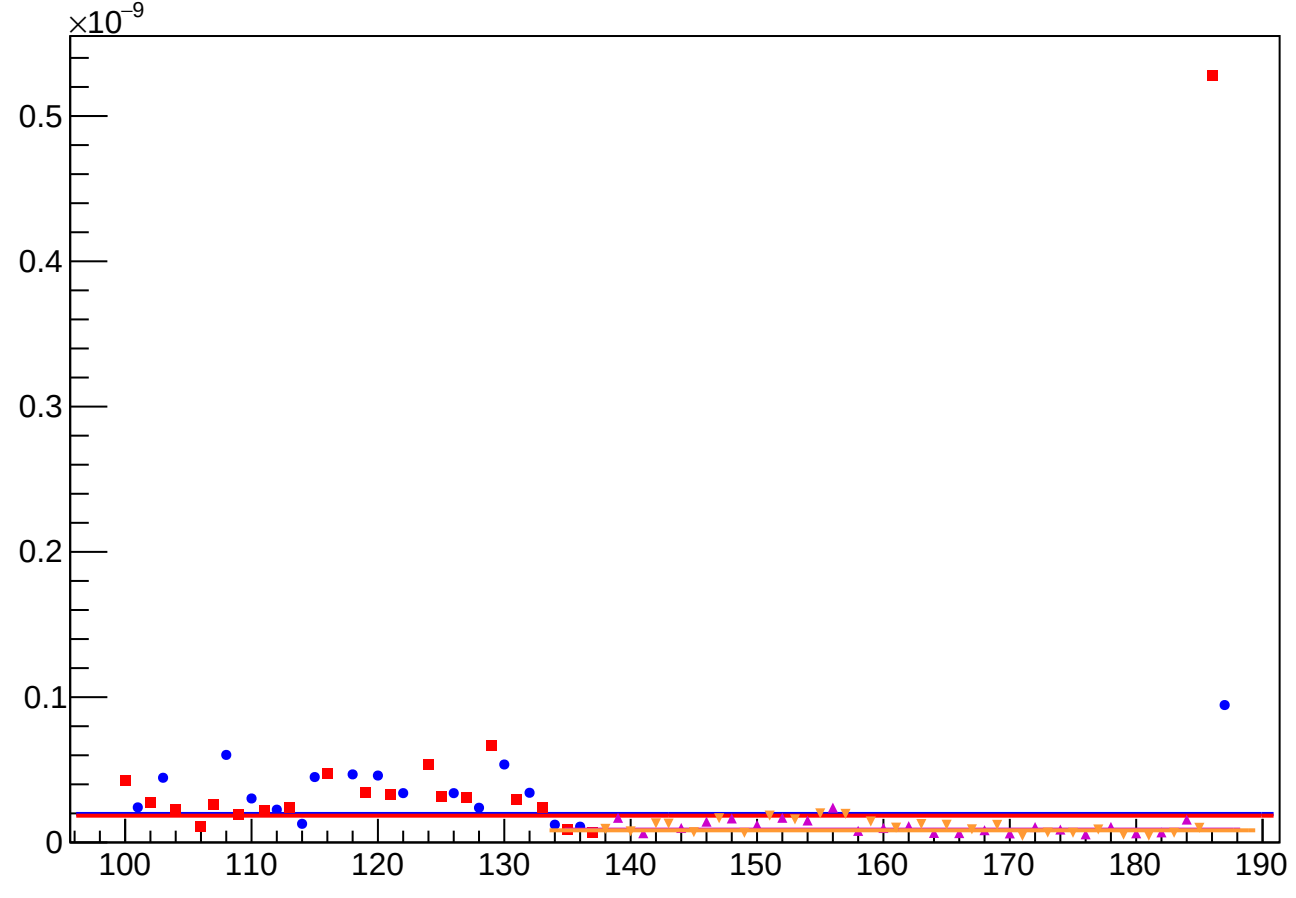
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 30.6/36

In: -0.000+/-0.000 χ^2/NDF:41.1/39

Out: -0.000+/-0.000 χ^2/NDF:27.4/44

All: -0.000+/-0.000 χ^2/NDF: 69.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 1878136.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1778837.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

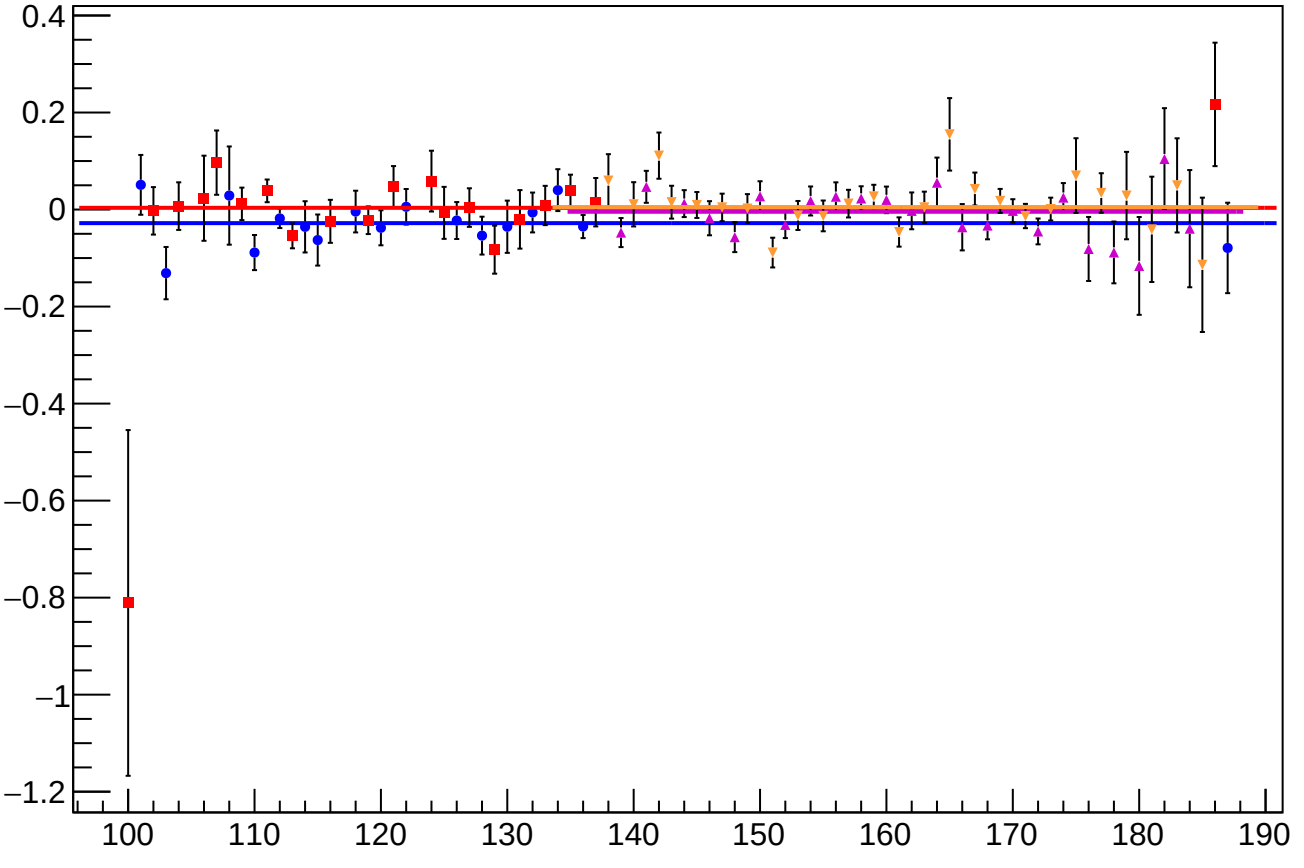
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 3666101.9/36

In: 0.000+/-0.000 χ^2/NDF:4874238.6/39

Out: 0.000+/-0.000 χ^2/NDF:5259654.7/44

All: 0.000+/-0.000 χ^2/NDF: 10162872.4/84



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.004+/-0.009 χ^2/NDF: 24.9/19

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

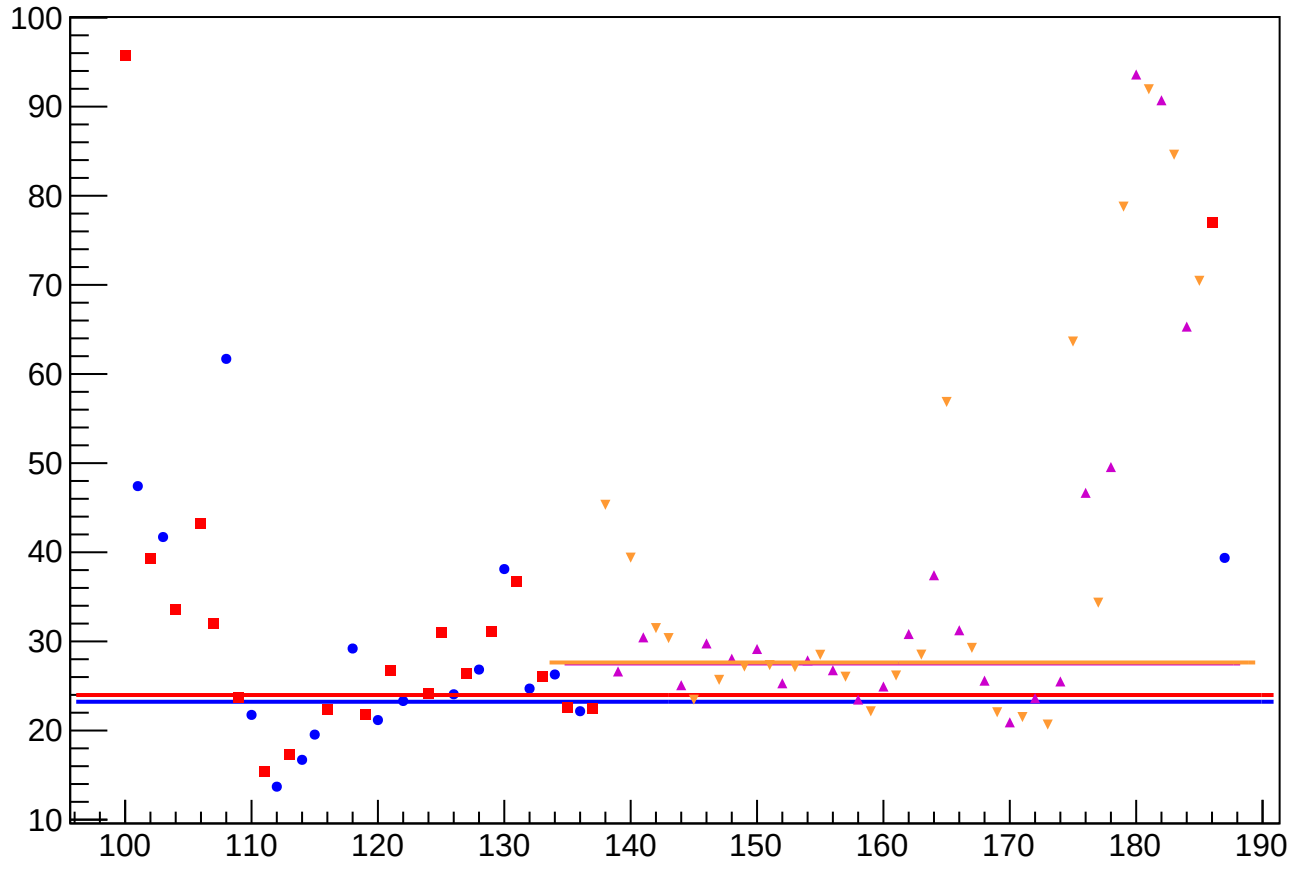
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.007 χ^2/NDF: 44.6/36

In: -0.013+/-0.006 χ^2/NDF:43.1/39

Out: 0.005+/-0.006 χ^2/NDF:53.4/44

All: -0.004+/-0.004 χ^2/NDF: 101.5/84



Right In: 23.230+/-0.007 χ^2/NDF: 1625031.7/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 23.985+/-0.007 χ^2/NDF: 1437439.3/19

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

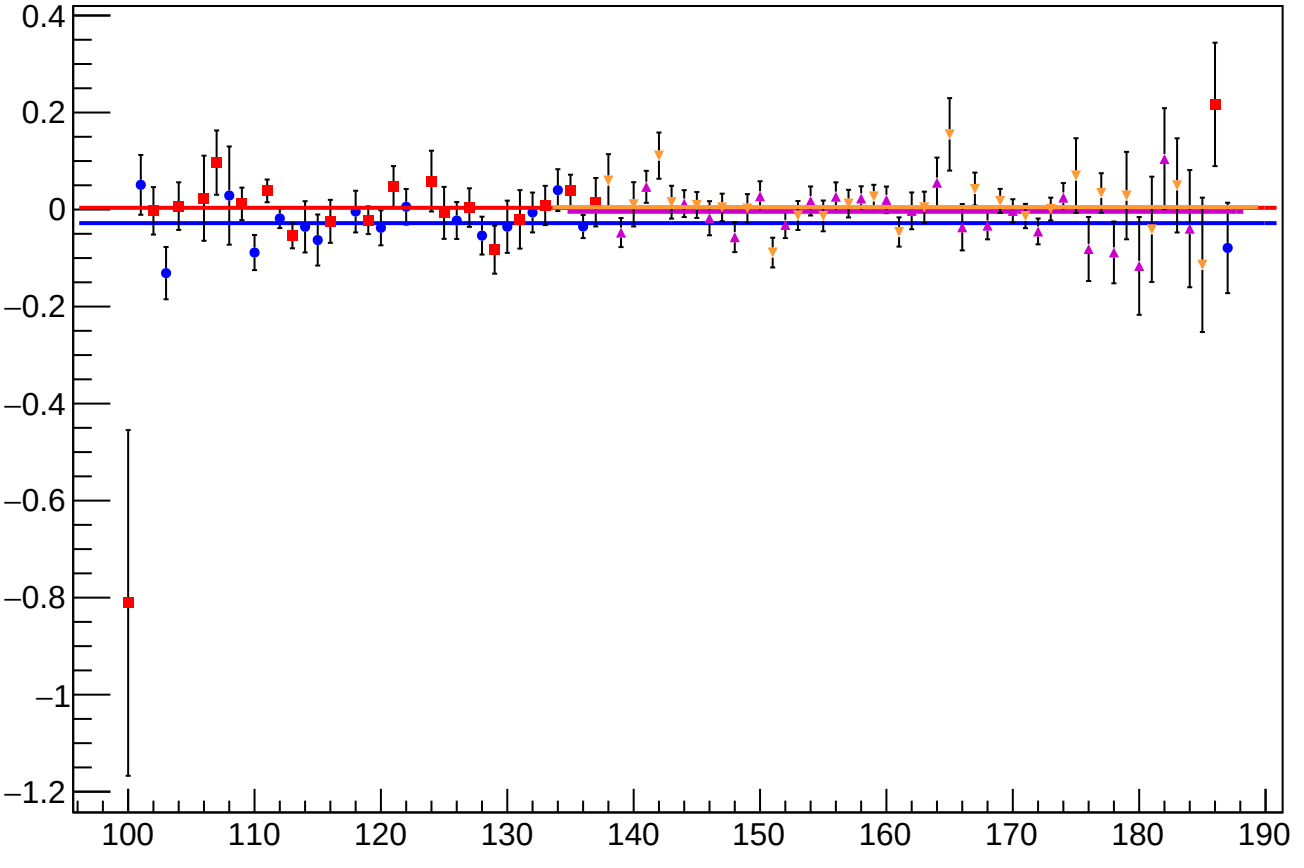
Right: 23.610+/-0.005 χ^2/NDF: 3069060.1/36

In: 25.986+/-0.004 χ^2/NDF:4530593.7/39

Out: 26.346+/-0.004 χ^2/NDF:5612175.8/44

All: 26.169+/-0.003 χ^2/NDF: 10146963.3/84

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.004+/-0.009 χ^2/NDF: 24.9/19

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

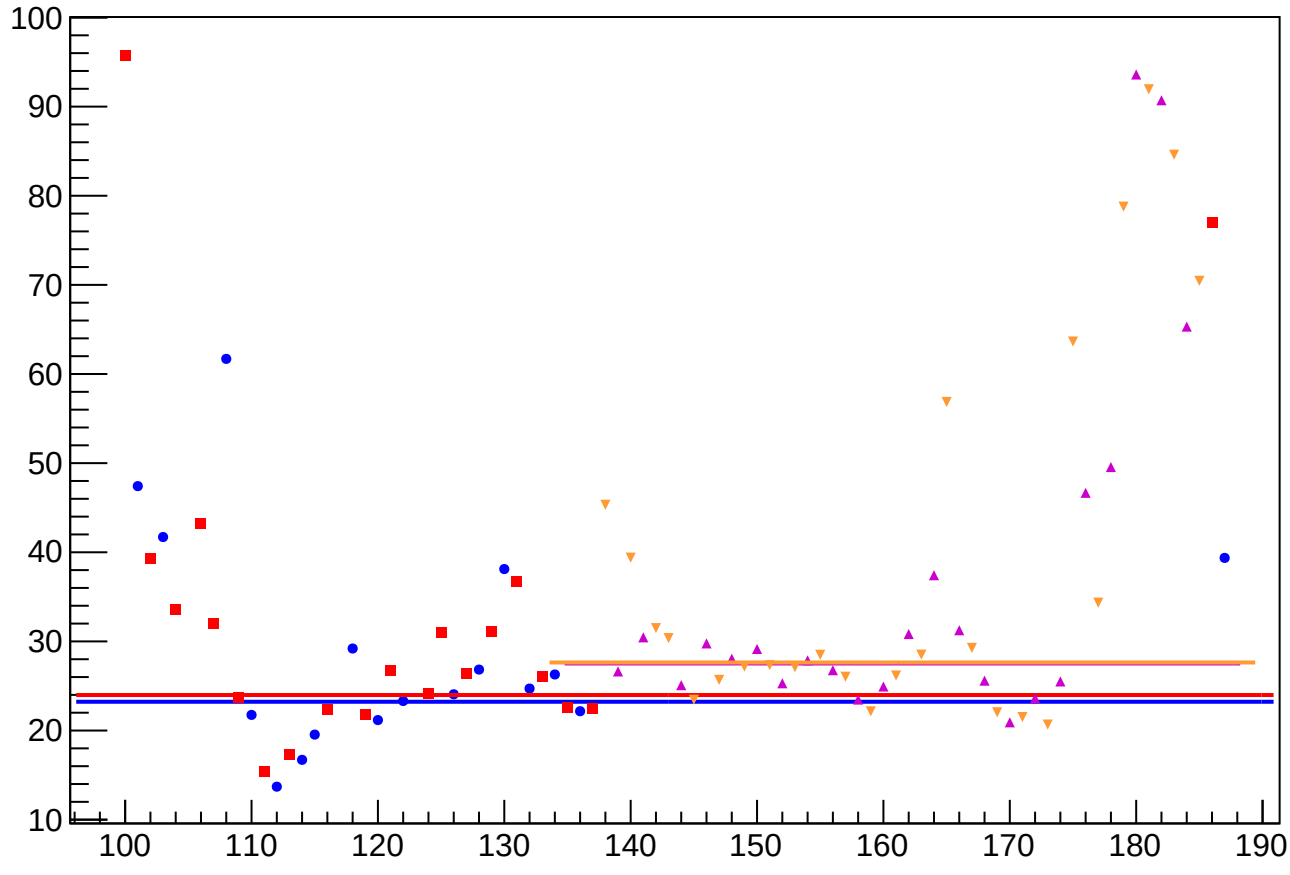
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.007 χ^2/NDF: 44.6/36

In: -0.013+/-0.006 χ^2/NDF:43.1/39

Out: 0.005+/-0.006 χ^2/NDF:53.4/44

All: -0.004+/-0.004 χ^2/NDF: 101.5/84



Right In: 23.230+/-0.007 χ^2/NDF: 1625031.7/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 23.985+/-0.007 χ^2/NDF: 1437439.3/19

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

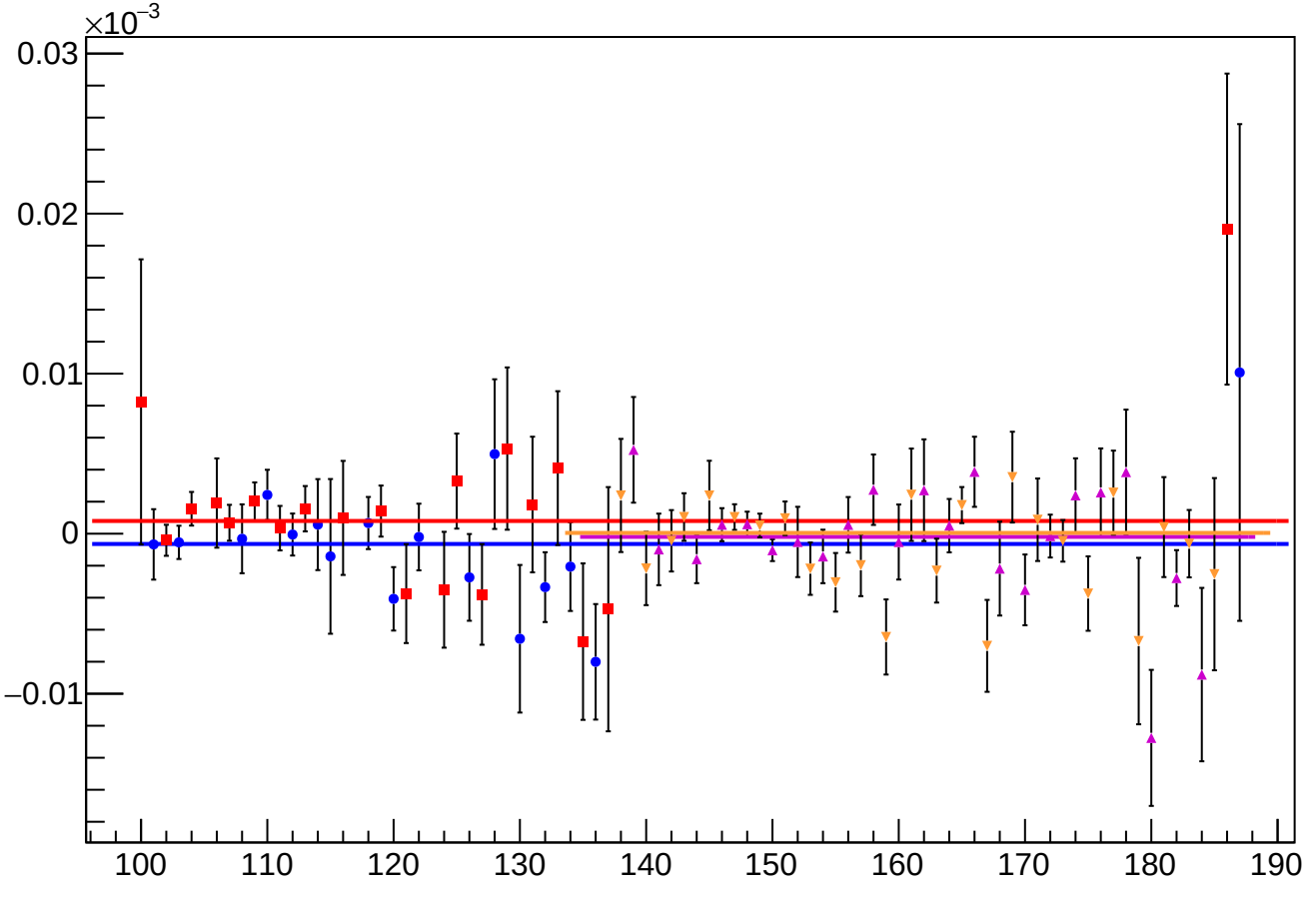
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 23.610+/-0.005 χ^2/NDF: 3069060.1/36

In: 25.986+/-0.004 χ^2/NDF:4530593.7/39

Out: 26.346+/-0.004 χ^2/NDF:5612175.8/44

All: 26.169+/-0.003 χ^2/NDF: 10146963.3/84



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

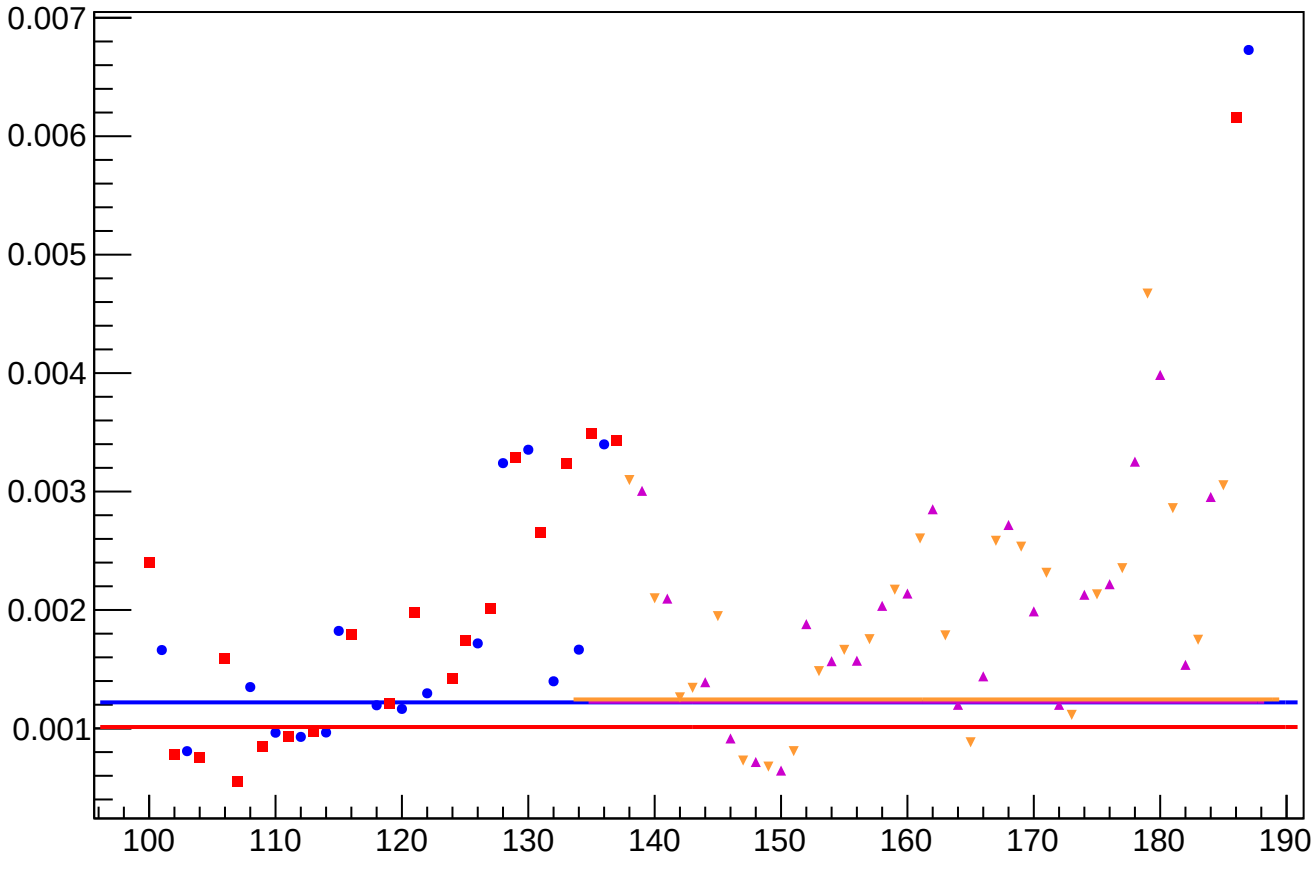
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 41.6/36

In: -0.000+/-0.000 χ^2/NDF:51.9/39

Out: 0.000+/-0.000 χ^2/NDF:57.7/44

All: 0.000+/-0.000 χ^2/NDF: 112.6/84



Right In: 0.001+/-0.000 χ^2/NDF: 2519628.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3839383.2/19

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

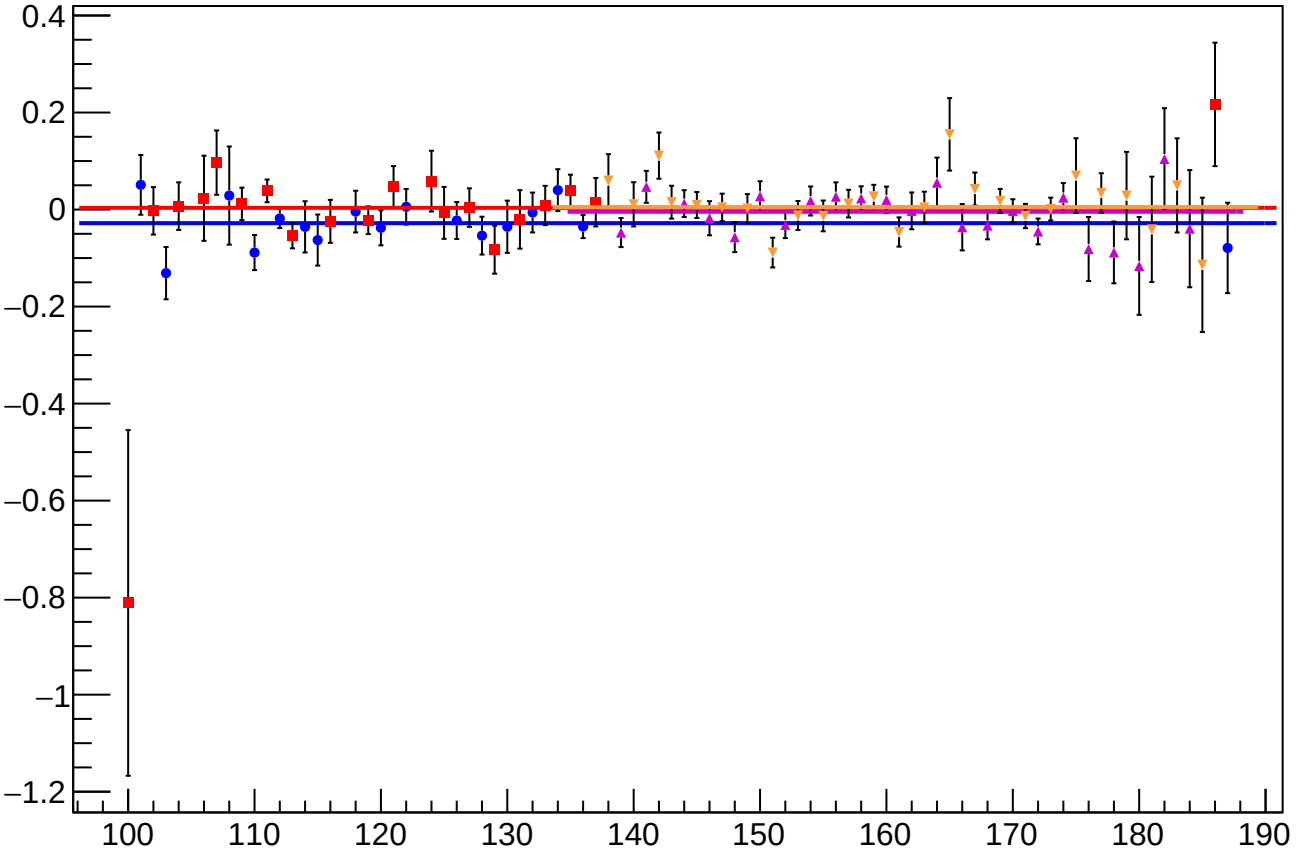
Right: 0.001+/-0.000 χ^2/NDF: 6562894.5/36

In: 0.001+/-0.000 χ^2/NDF:10342644.3/39

Out: 0.001+/-0.000 χ^2/NDF:12566208.6/44

All: 0.001+/-0.000 χ^2/NDF: 22971125.2/84

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.004+/-0.009 χ^2/NDF: 24.9/19

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

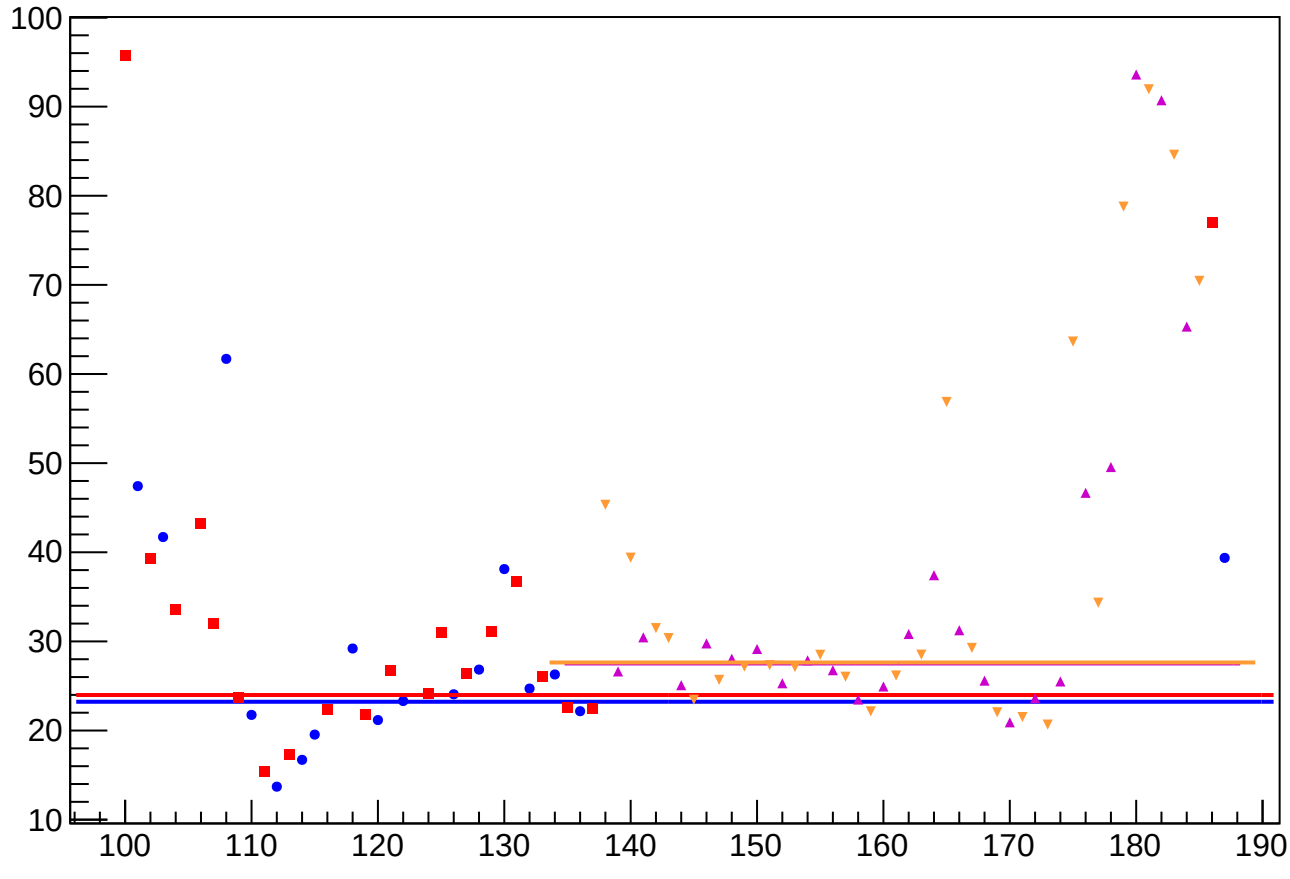
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.007 χ^2/NDF: 44.6/36

In: -0.013+/-0.006 χ^2/NDF:43.1/39

Out: 0.005+/-0.006 χ^2/NDF:53.4/44

All: -0.004+/-0.004 χ^2/NDF: 101.5/84



Right In: 23.229+/-0.007 χ^2/NDF: 1625053.2/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 23.985+/-0.007 χ^2/NDF: 1437498.2/19

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

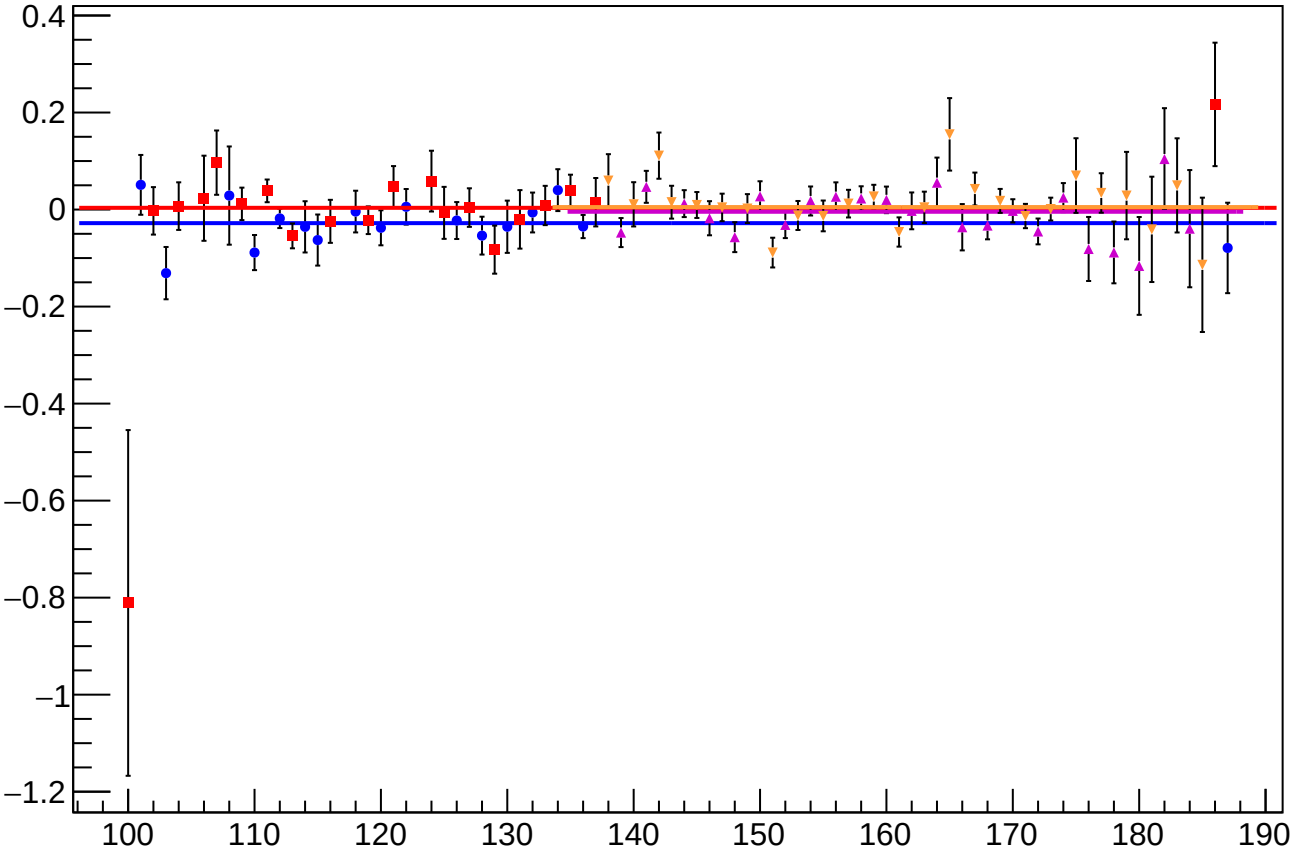
Right: 23.610+/-0.005 χ^2/NDF: 3069139.7/36

In: 25.986+/-0.004 χ^2/NDF:4530633.5/39

Out: 26.346+/-0.004 χ^2/NDF:5612239.9/44

All: 26.169+/-0.003 χ^2/NDF: 10147068.8/84

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.004+/-0.009 χ^2/NDF: 24.9/19

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

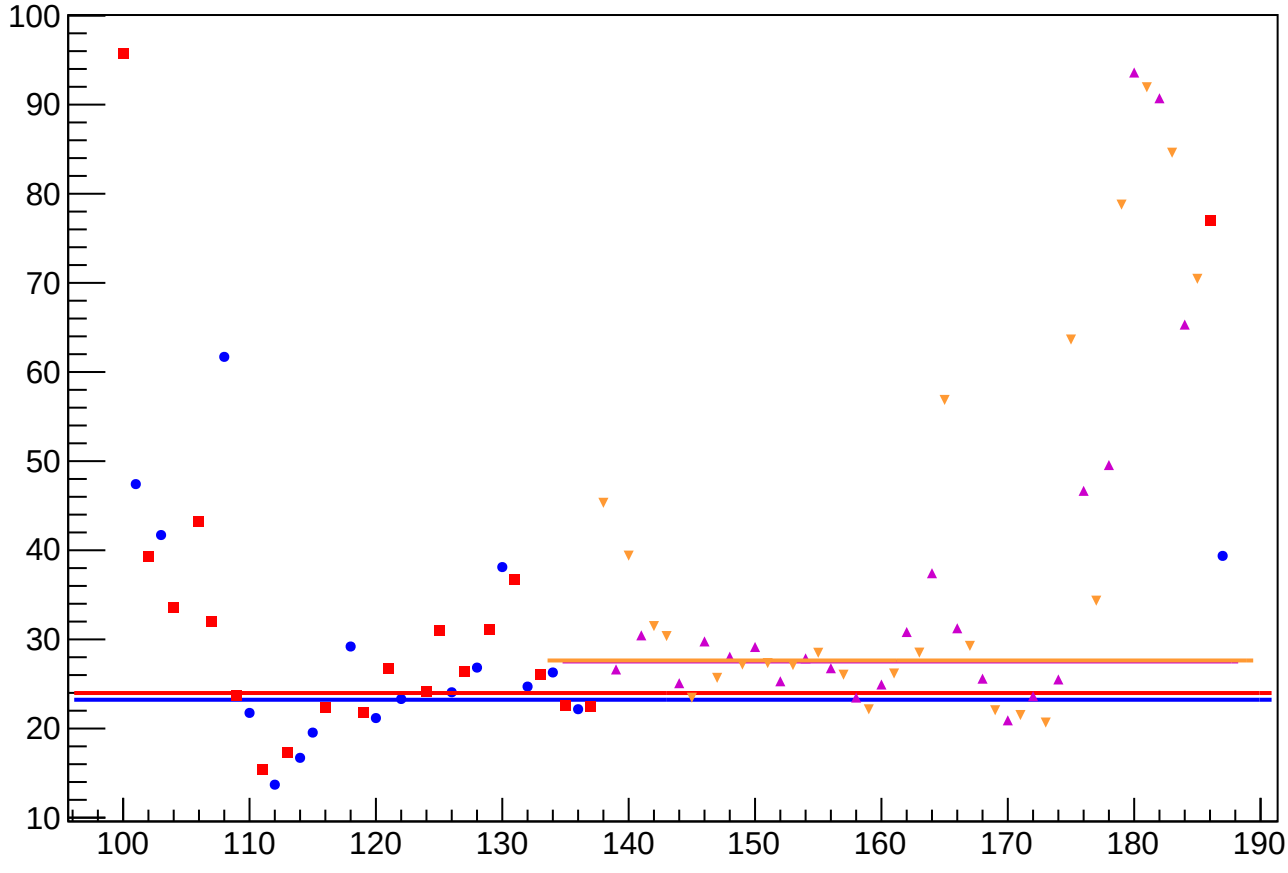
Right: -0.012+/-0.007 χ^2/NDF: 44.6/36

In: -0.013+/-0.006 χ^2/NDF:43.1/39

Out: 0.005+/-0.006 χ^2/NDF:53.4/44

All: -0.004+/-0.004 χ^2/NDF: 101.5/84

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.229+/-0.007 χ^2/NDF: 1625053.2/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 23.985+/-0.007 χ^2/NDF: 1437498.2/19

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

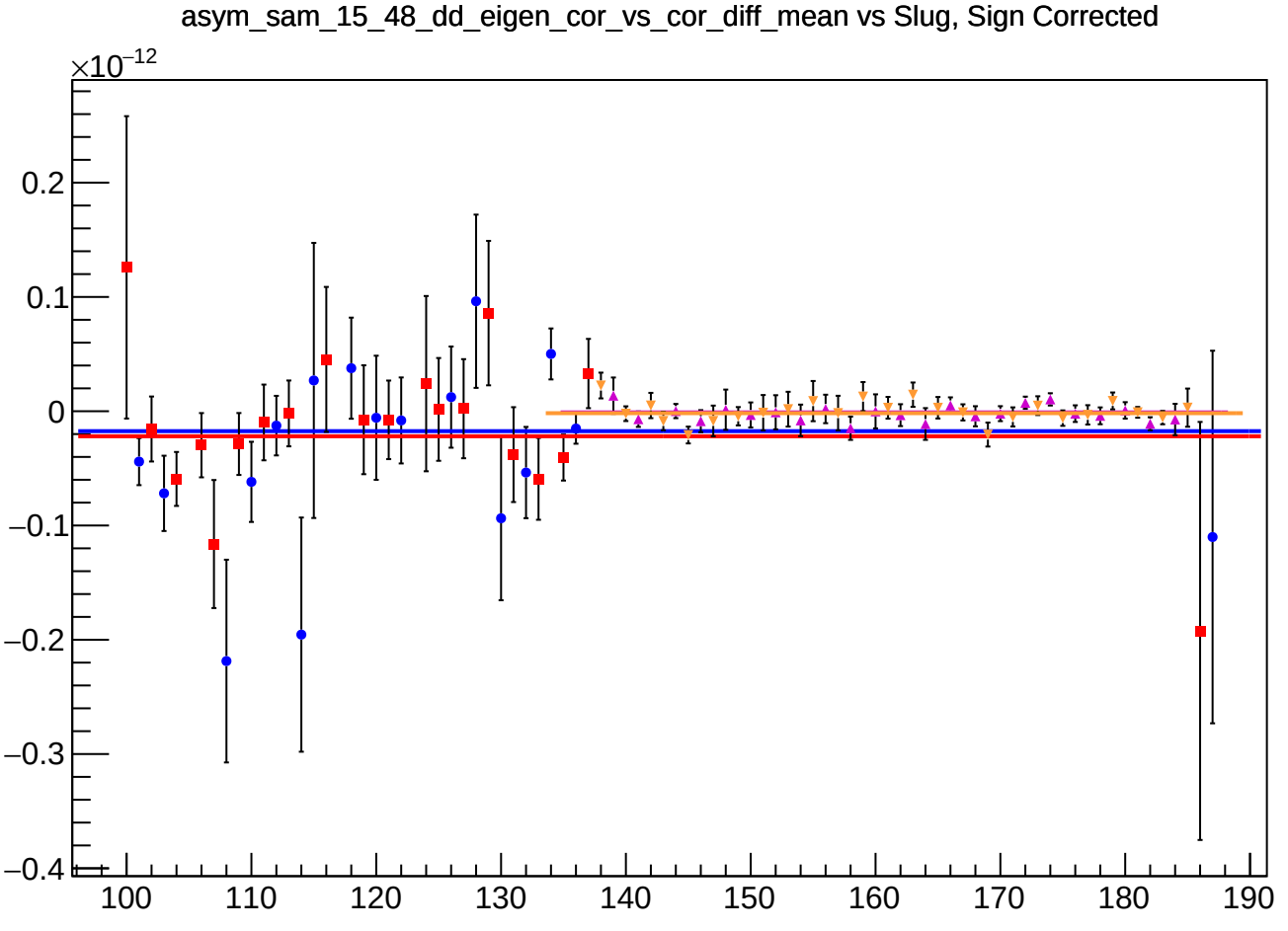
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 23.610+/-0.005 χ^2/NDF: 3069139.7/36

In: 25.986+/-0.004 χ^2/NDF:4530633.5/39

Out: 26.346+/-0.004 χ^2/NDF:5612239.9/44

All: 26.169+/-0.003 χ^2/NDF: 10147068.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

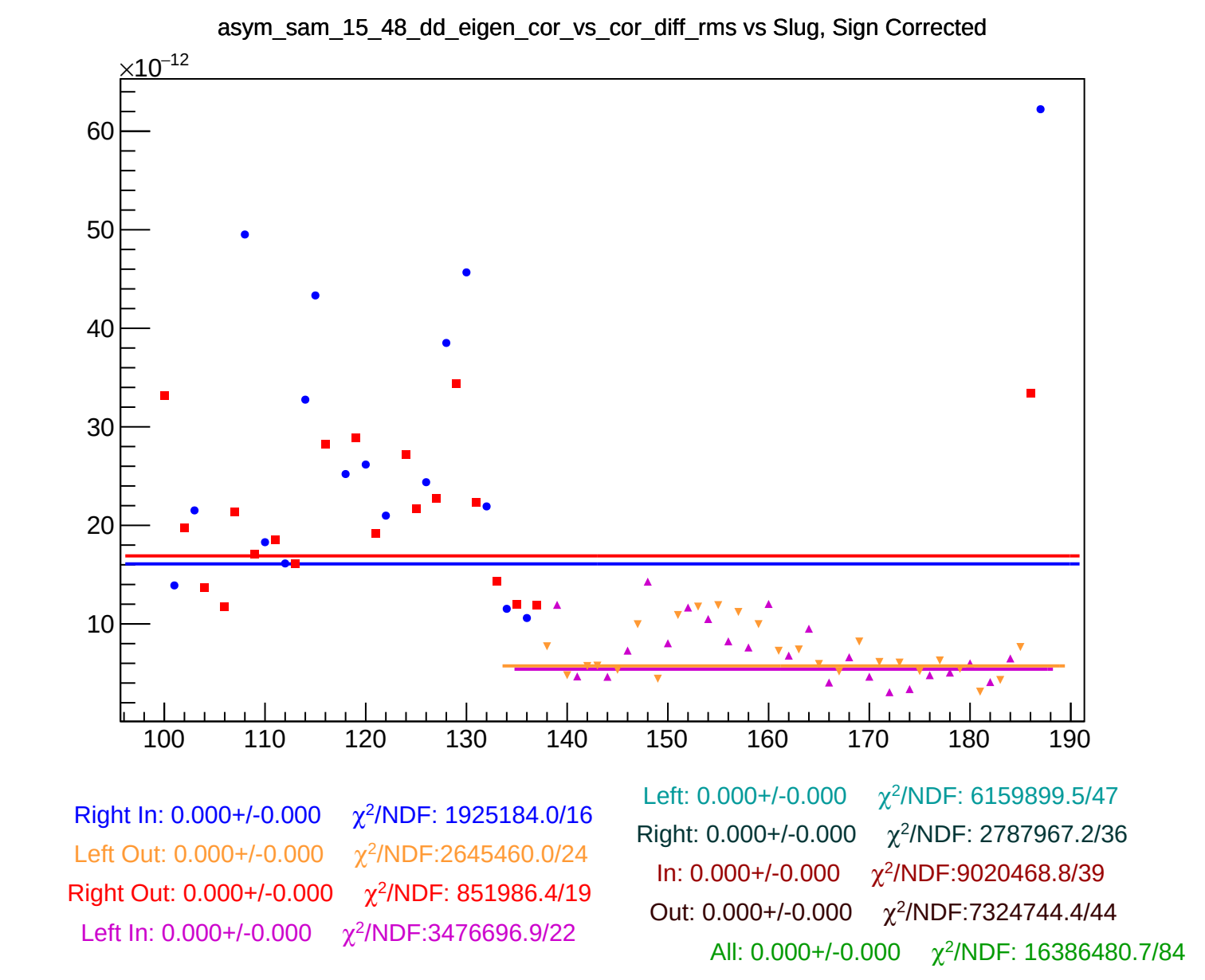
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

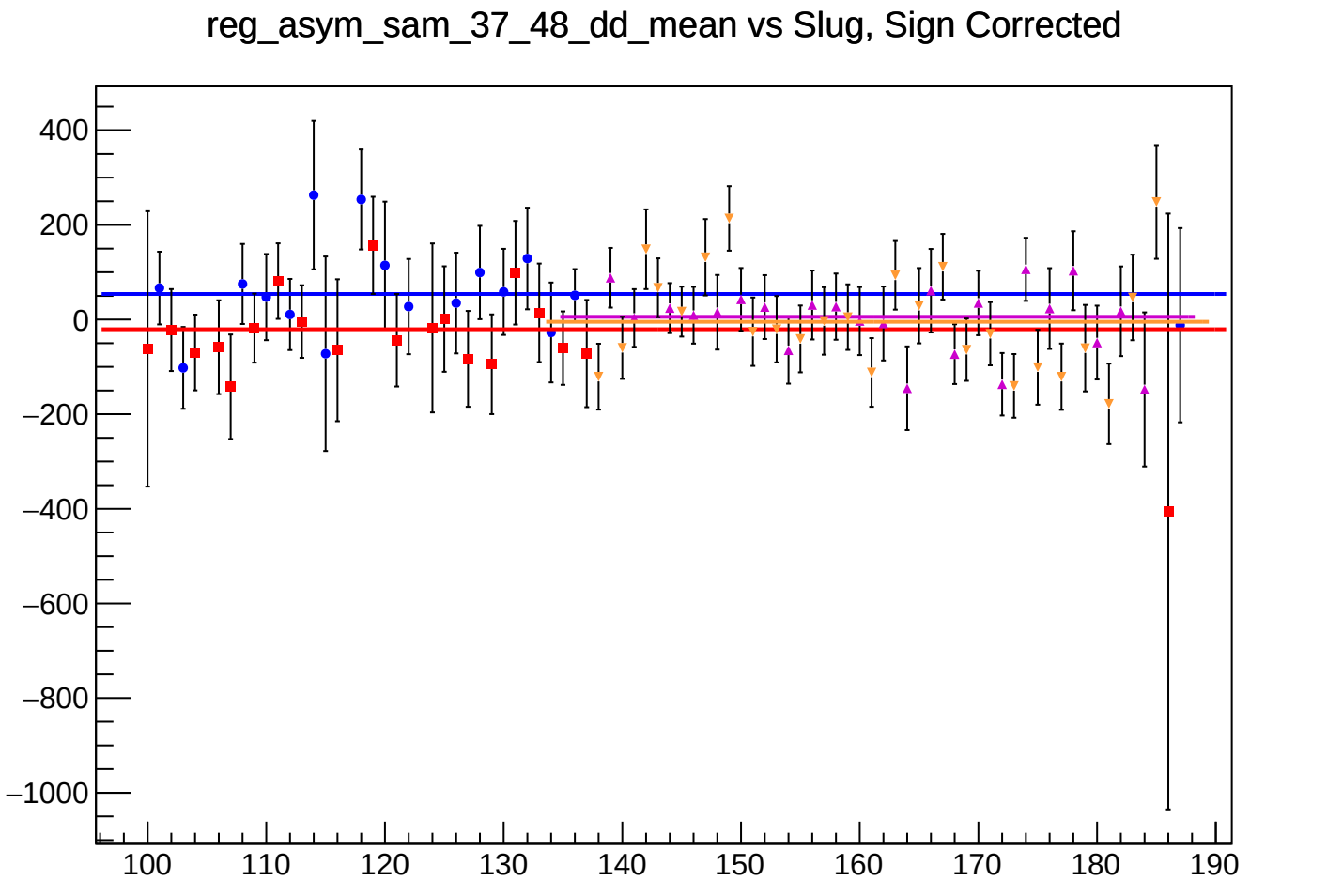
Right: -0.000+/-0.000 χ^2/NDF: 49.2/36

In: -0.000+/-0.000 χ^2/NDF:51.0/39

Out: -0.000+/-0.000 χ^2/NDF:49.6/44

All: -0.000+/-0.000 χ^2/NDF: 100.7/84


asym_sam_15_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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1925184.0/16
Left Out: 0.000+/-0.000 χ²/NDF:2645460.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 851986.4/19
Left In: 0.000+/-0.000 χ²/NDF:3476696.9/22
Left: 0.000+/-0.000 χ²/NDF: 6159899.5/47
Right: 0.000+/-0.000 χ²/NDF: 2787967.2/36
In: 0.000+/-0.000 χ²/NDF:9020468.8/39
Out: 0.000+/-0.000 χ²/NDF:7324744.4/44
All: 0.000+/-0.000 χ²/NDF: 16386480.7/84



Right In: 54.042+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -20.515+/-22.557 χ^2/NDF: 9.6/19

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

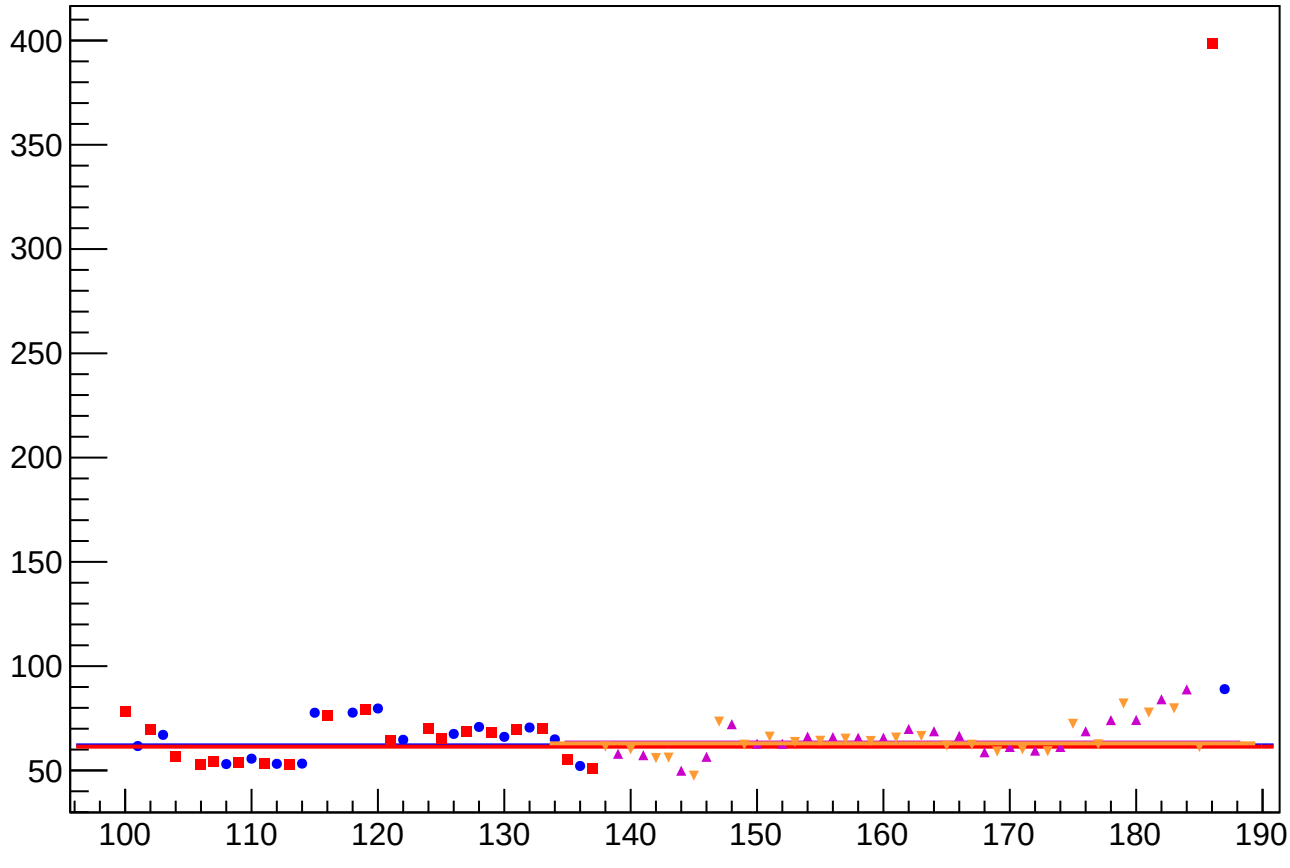
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 15.986+/-16.116 χ^2/NDF: 26.1/36

In: 20.058+/-12.529 χ^2/NDF:32.5/39

Out: -9.323+/-12.156 χ^2/NDF:57.3/44

All: 4.924+/-8.725 χ^2/NDF: 92.6/84



Right In: 62.017+/-0.016 χ^2/NDF: 302049.1/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.400+/-0.016 χ^2/NDF: 858351.1/19

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

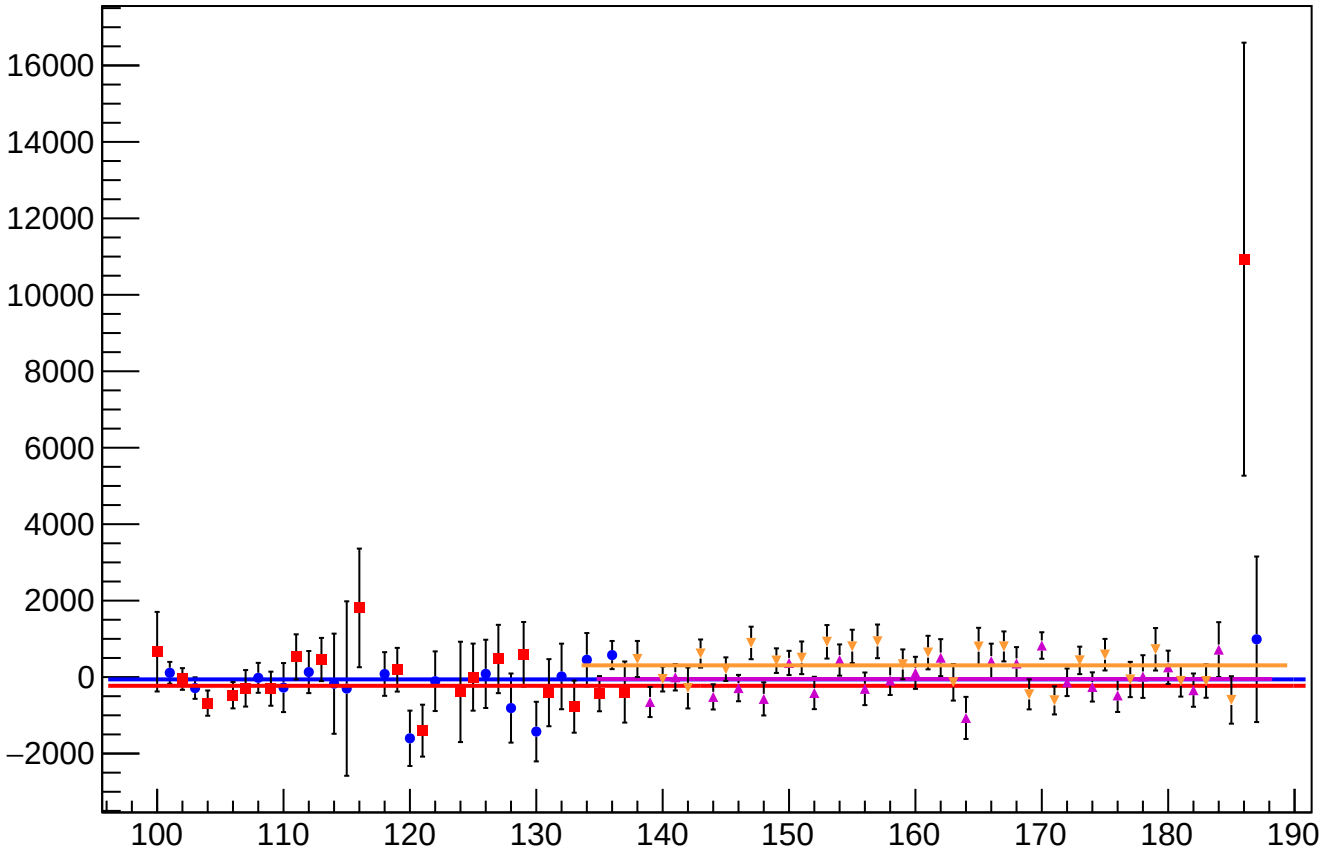
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.702+/-0.011 χ^2/NDF: 1161132.5/36

In: 62.966+/-0.009 χ^2/NDF:803803.9/39

Out: 62.518+/-0.009 χ^2/NDF:1392141.6/44

All: 62.736+/-0.006 χ^2/NDF: 2197262.6/84



Right In: -60.073+/-129.442 χ^2/NDF: 13.4/16

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -227.960+/-122.762 χ^2/NDF: 18.4/19

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

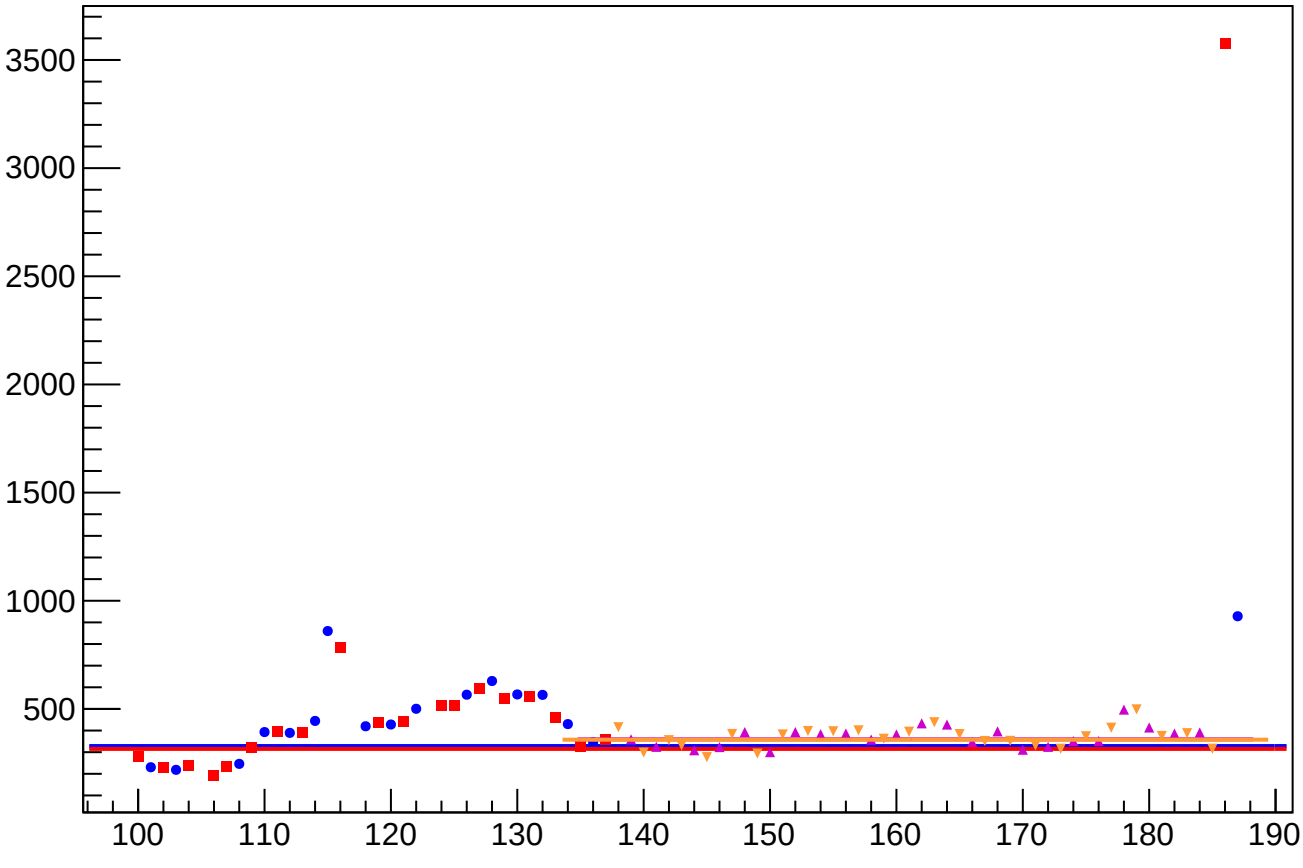
Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

Right: -148.461+/-89.074 χ^2/NDF: 32.7/36

In: -53.048+/-70.956 χ^2/NDF:40.7/39

Out: 141.077+/-68.395 χ^2/NDF:62.1/44

All: 47.581+/-49.243 χ^2/NDF: 106.7/84



Right In: 328.299+/-0.092 χ^2/NDF: 1888134.3/16

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 315.205+/-0.087 χ^2/NDF: 2450606.0/19

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

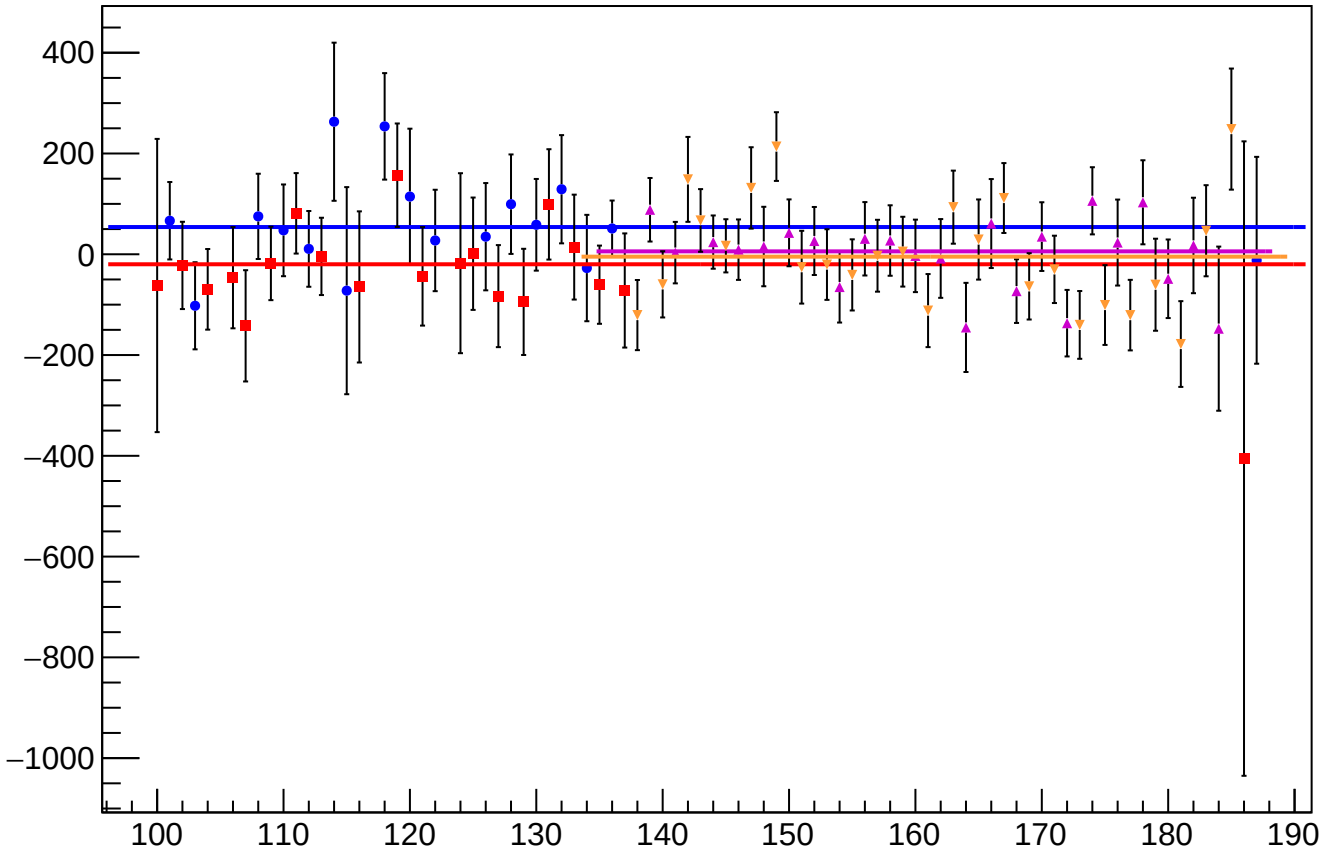
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 321.405+/-0.063 χ^2/NDF: 4349515.4/36

In: 350.020+/-0.050 χ^2/NDF:2488398.0/39

Out: 344.531+/-0.048 χ^2/NDF:3299845.9/44

All: 347.175+/-0.035 χ^2/NDF: 5794446.5/84



Right In: 54.036+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -19.849+/-22.573 χ^2/NDF: 9.5/19

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

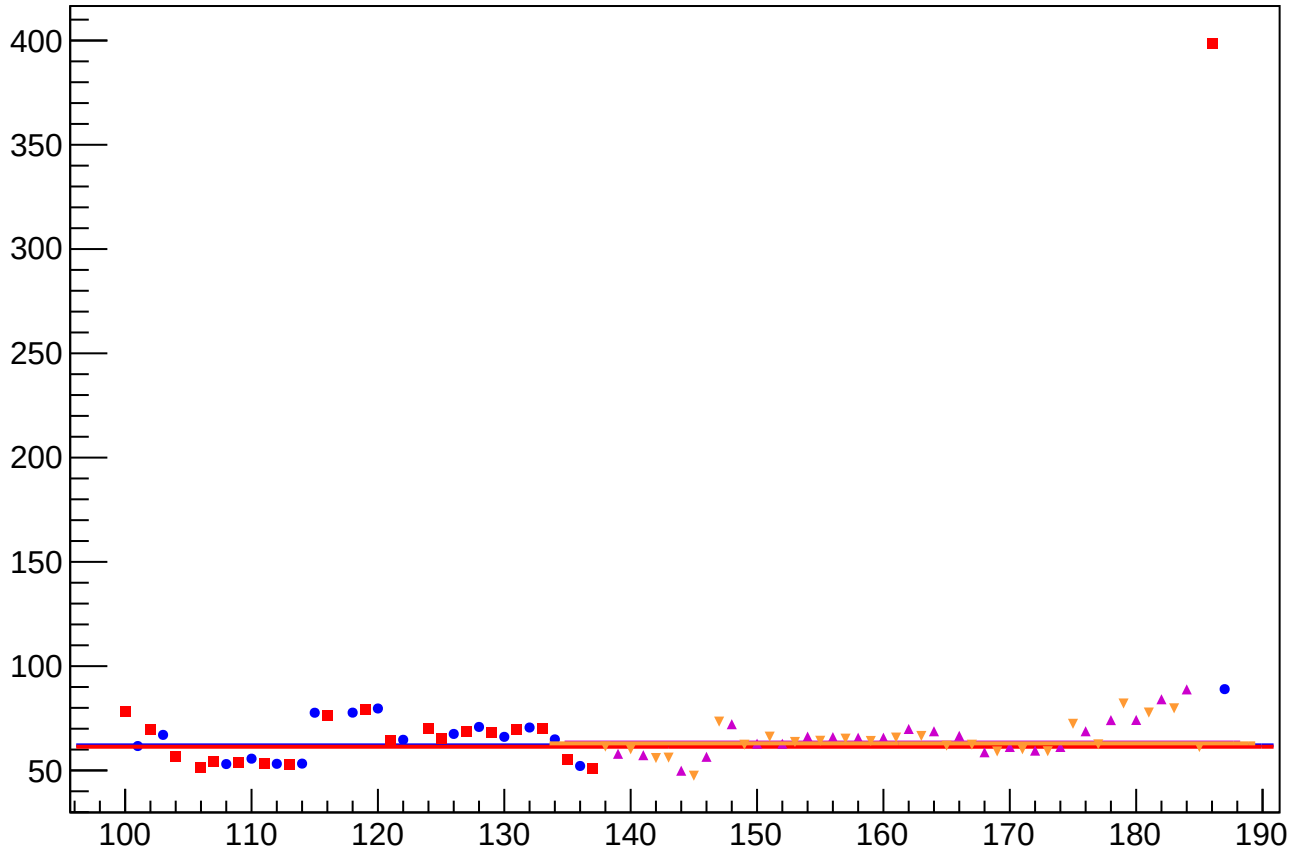
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 16.349+/-16.121 χ^2/NDF: 25.9/36

In: 20.055+/-12.529 χ^2/NDF:32.5/39

Out: -9.129+/-12.159 χ^2/NDF:57.2/44

All: 5.026+/-8.725 χ^2/NDF: 92.5/84



Right In: 62.017+/-0.016 χ^2/NDF: 302049.2/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.360+/-0.016 χ^2/NDF: 861885.2/19

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

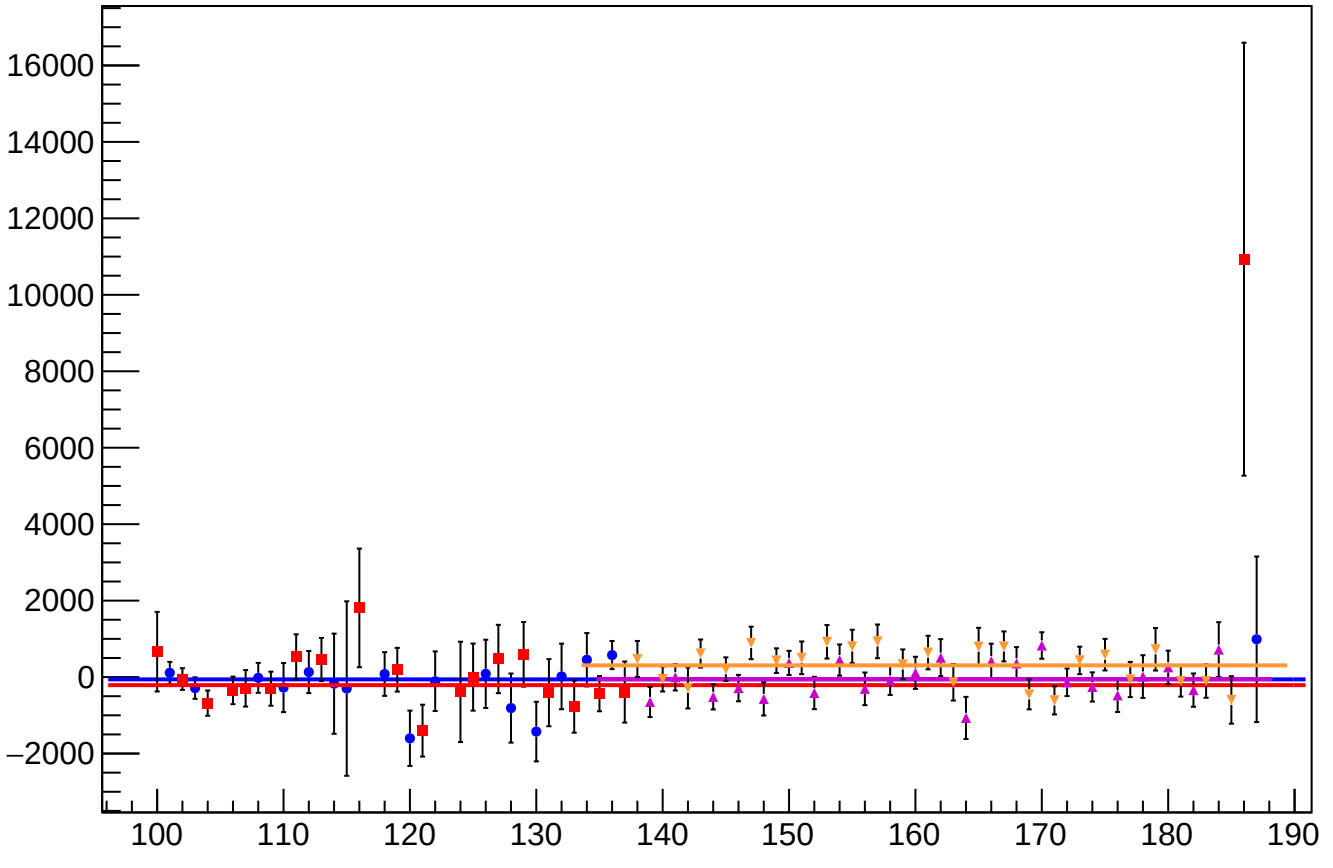
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.682+/-0.011 χ^2/NDF: 1164764.6/36

In: 62.966+/-0.009 χ^2/NDF:803804.1/39

Out: 62.507+/-0.009 χ^2/NDF:1396025.7/44

All: 62.730+/-0.006 χ^2/NDF: 2201213.1/84



Right In: -60.059+/-129.443 χ^2/NDF: 13.4/16

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -210.614+/-123.462 χ^2/NDF: 18.0/19

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

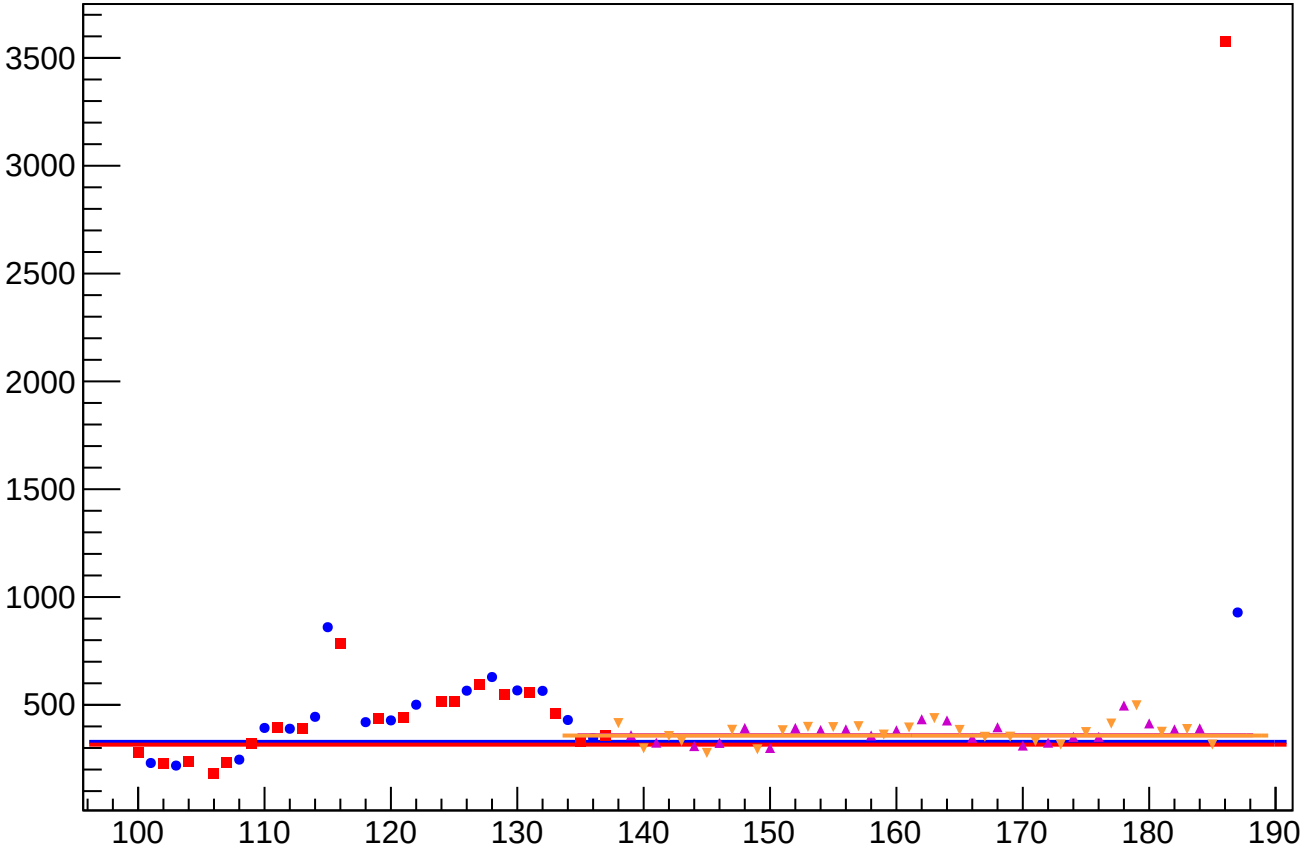
Right: -138.895+/-89.341 χ^2/NDF: 32.1/36

In: -53.043+/-70.956 χ^2/NDF:40.7/39

Out: 147.714+/-68.515 χ^2/NDF:60.8/44

All: 50.848+/-49.288 χ^2/NDF: 105.6/84

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 328.302+/-0.092 χ^2/NDF: 1888071.8/16

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 315.411+/-0.087 χ^2/NDF: 2468957.7/19

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

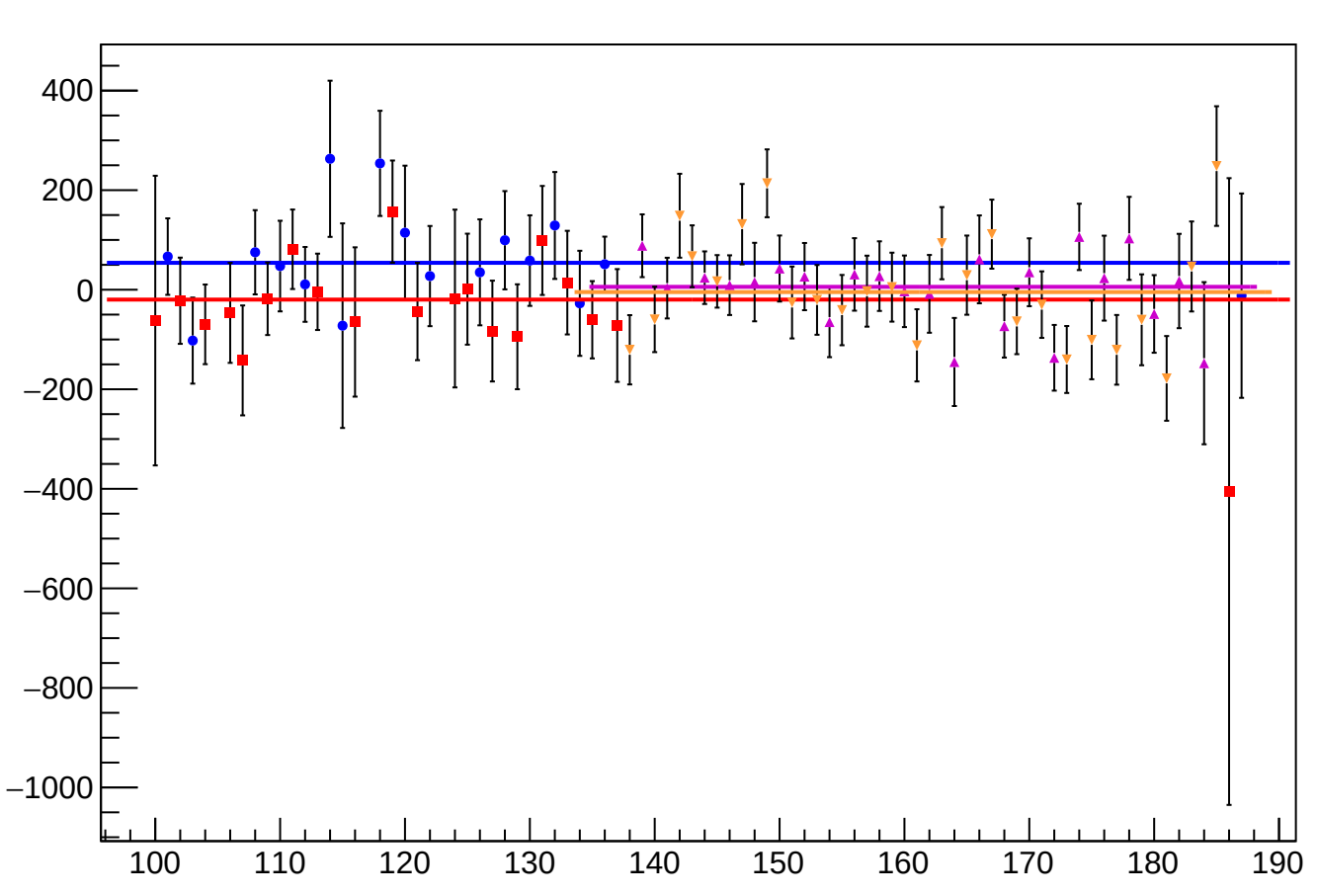
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 321.552+/-0.063 χ^2/NDF: 4367416.3/36

In: 350.021+/-0.050 χ^2/NDF:2488322.9/39

Out: 344.698+/-0.048 χ^2/NDF:3315310.8/44

All: 347.266+/-0.035 χ^2/NDF: 5809457.2/84



Right In: 54.036+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -19.849+/-22.573 χ^2/NDF: 9.5/19

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

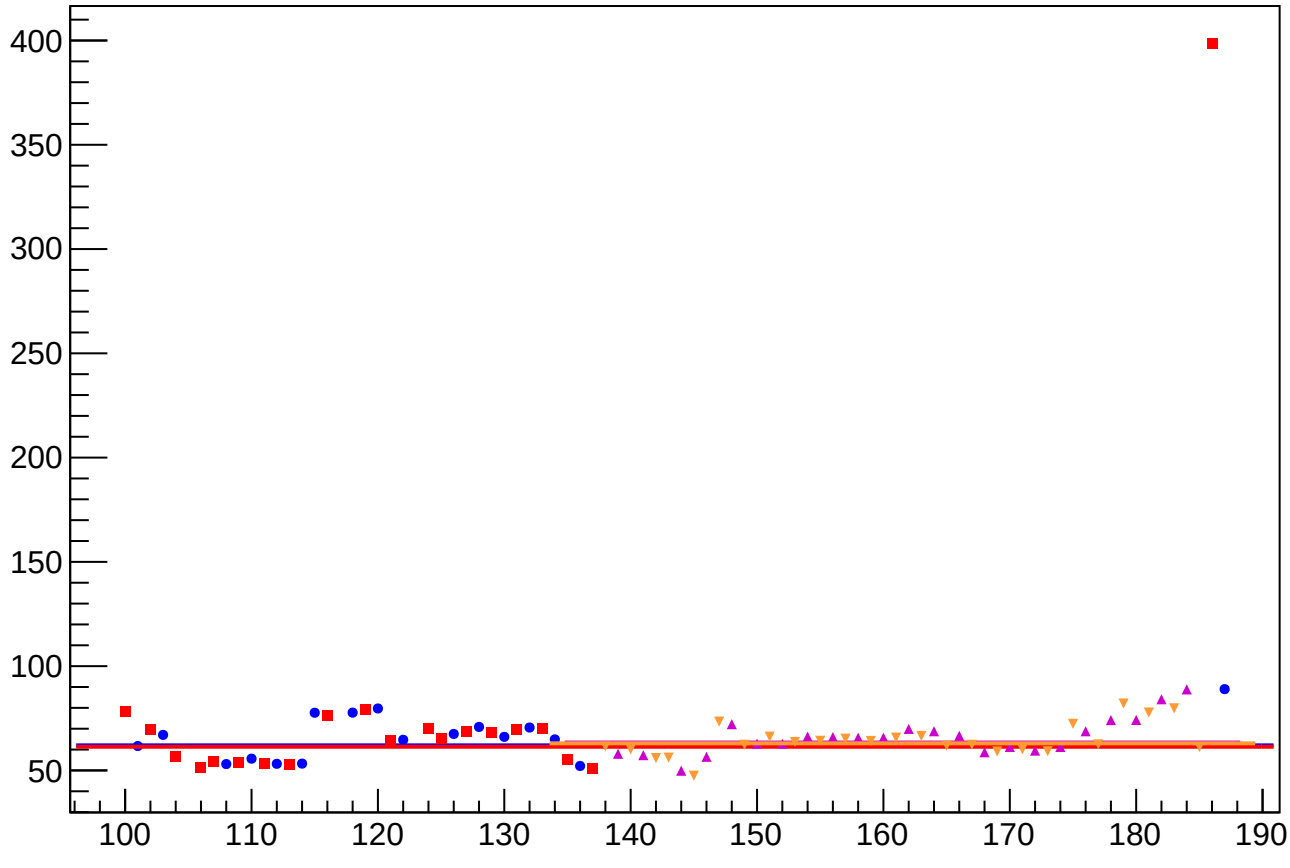
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 16.349+/-16.121 χ^2/NDF: 25.9/36

In: 20.055+/-12.529 χ^2/NDF:32.5/39

Out: -9.129+/-12.159 χ^2/NDF:57.2/44

All: 5.026+/-8.725 χ^2/NDF: 92.5/84



Right In: 62.017+/-0.016 χ^2/NDF: 302049.2/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.360+/-0.016 χ^2/NDF: 861885.2/19

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

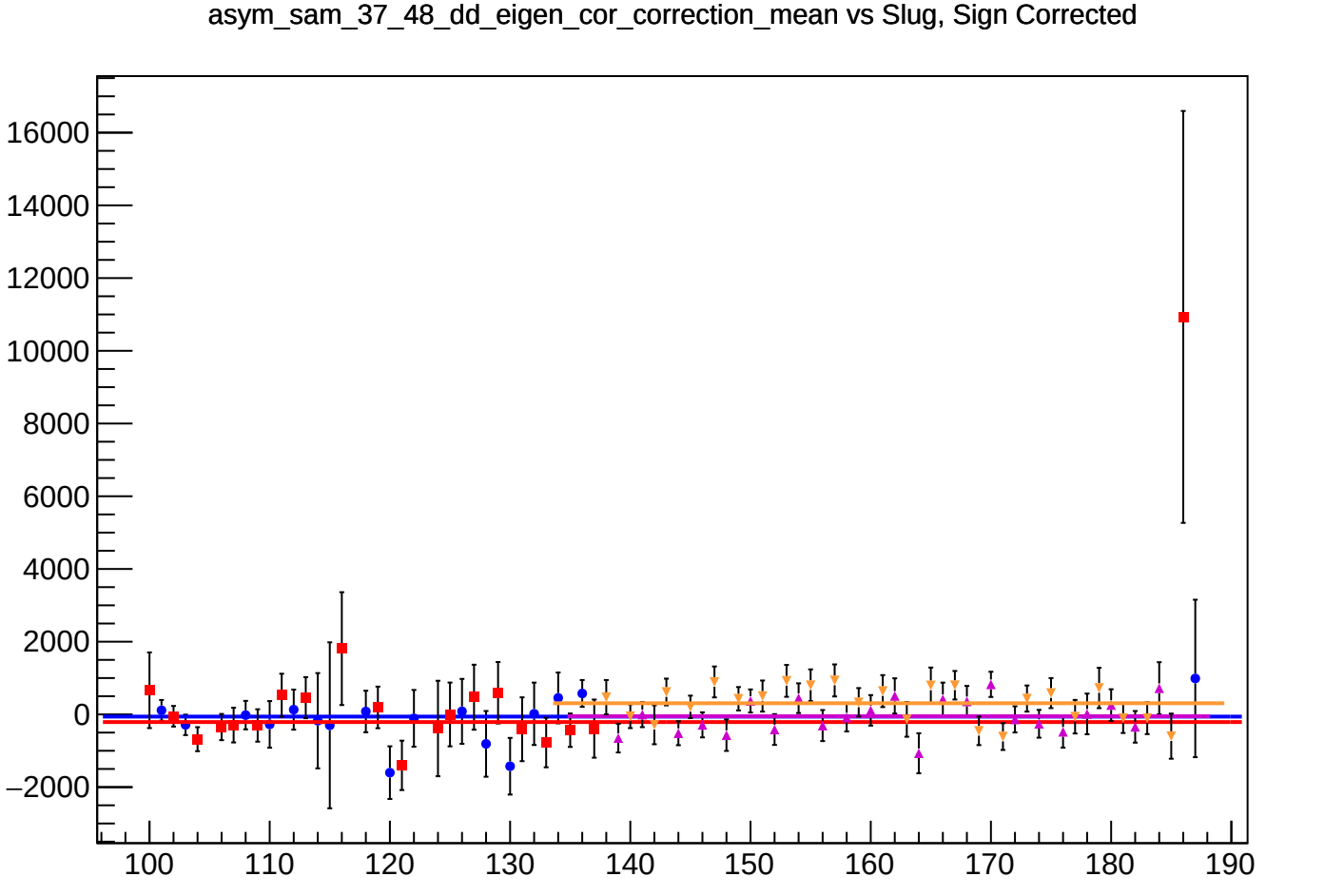
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.682+/-0.011 χ^2/NDF: 1164764.6/36

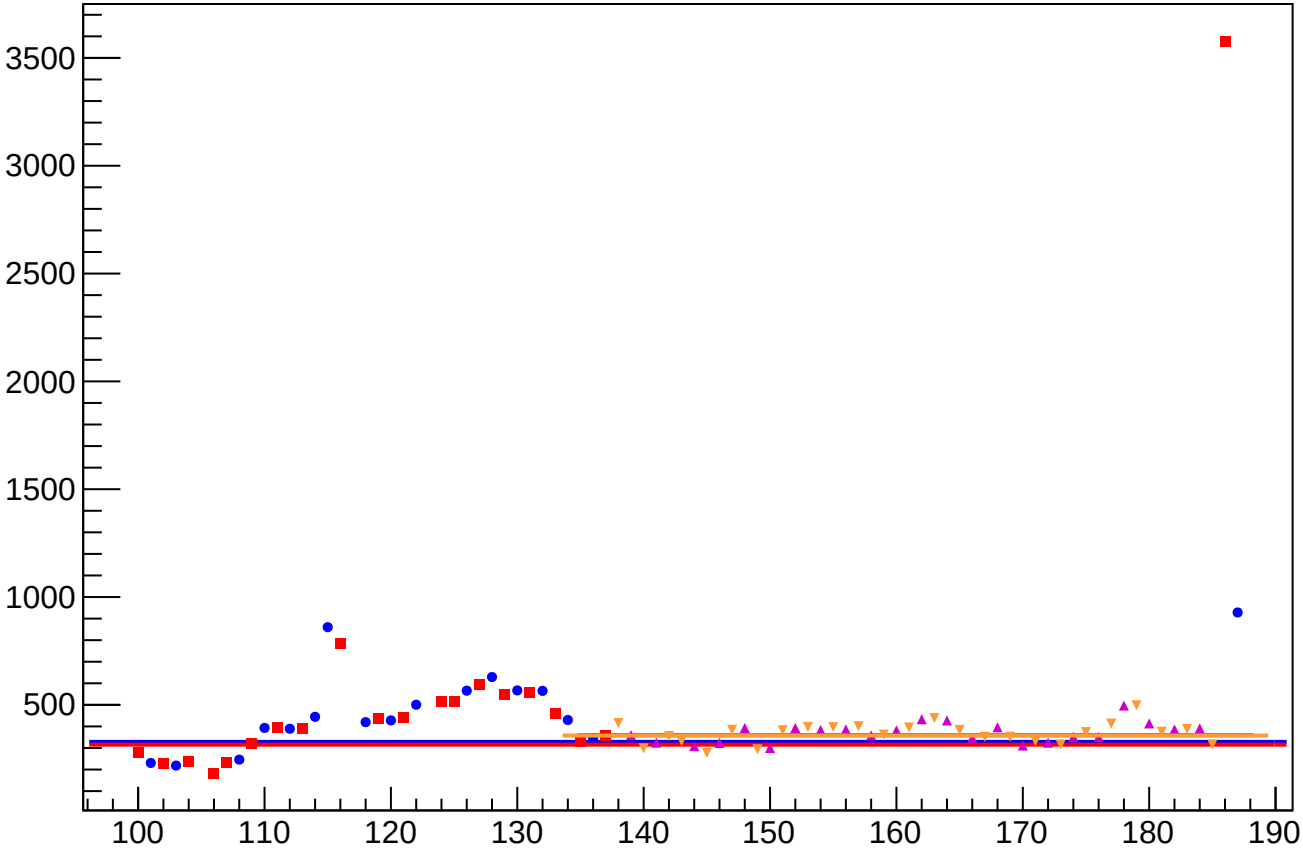
In: 62.966+/-0.009 χ^2/NDF:803804.1/39

Out: 62.507+/-0.009 χ^2/NDF:1396025.7/44

All: 62.730+/-0.006 χ^2/NDF: 2201213.1/84


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: -60.059+/-129.443 χ²/NDF: 13.4/16
Left Out: 307.177+/-82.361 χ²/NDF:30.6/24
Right Out: -210.614+/-123.462 χ²/NDF: 18.0/19
Left In: -50.029+/-84.838 χ²/NDF:27.3/22
Left: 133.864+/-59.094 χ²/NDF: 67.0/47
Right: -138.895+/-89.341 χ²/NDF: 32.1/36
In: -53.043+/-70.956 χ²/NDF:40.7/39
Out: 147.714+/-68.515 χ²/NDF:60.8/44
All: 50.848+/-49.288 χ²/NDF: 105.6/84

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 328.302+/-0.092 χ^2/NDF: 1888071.8/16

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 315.411+/-0.087 χ^2/NDF: 2468957.7/19

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

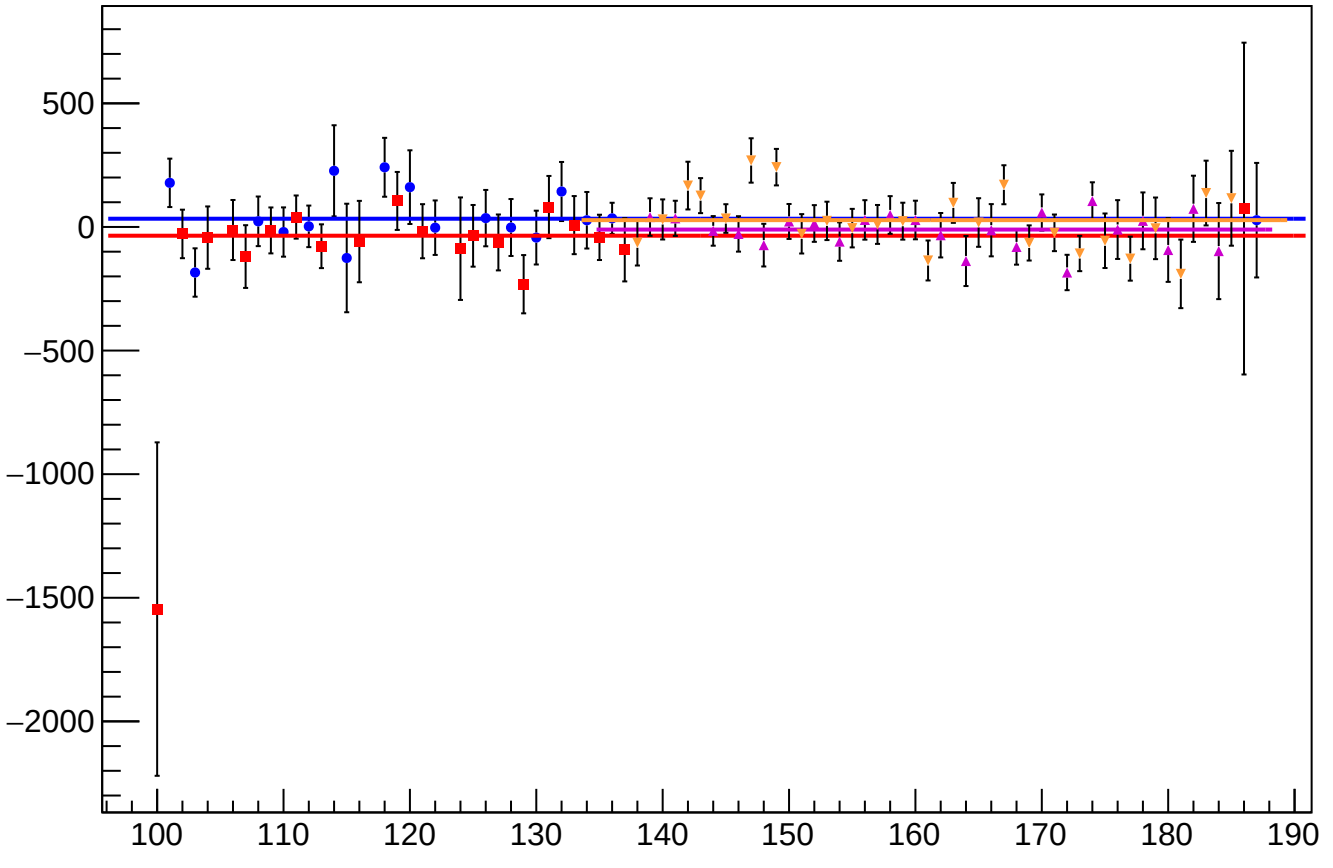
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 321.552+/-0.063 χ^2/NDF: 4367416.3/36

In: 350.021+/-0.050 χ^2/NDF:2488322.9/39

Out: 344.698+/-0.048 χ^2/NDF:3315310.8/44

All: 347.266+/-0.035 χ^2/NDF: 5809457.2/84



Right In: 33.322+/-26.245 χ^2/NDF: 14.5/16

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -35.404+/-26.515 χ^2/NDF: 12.1/19

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

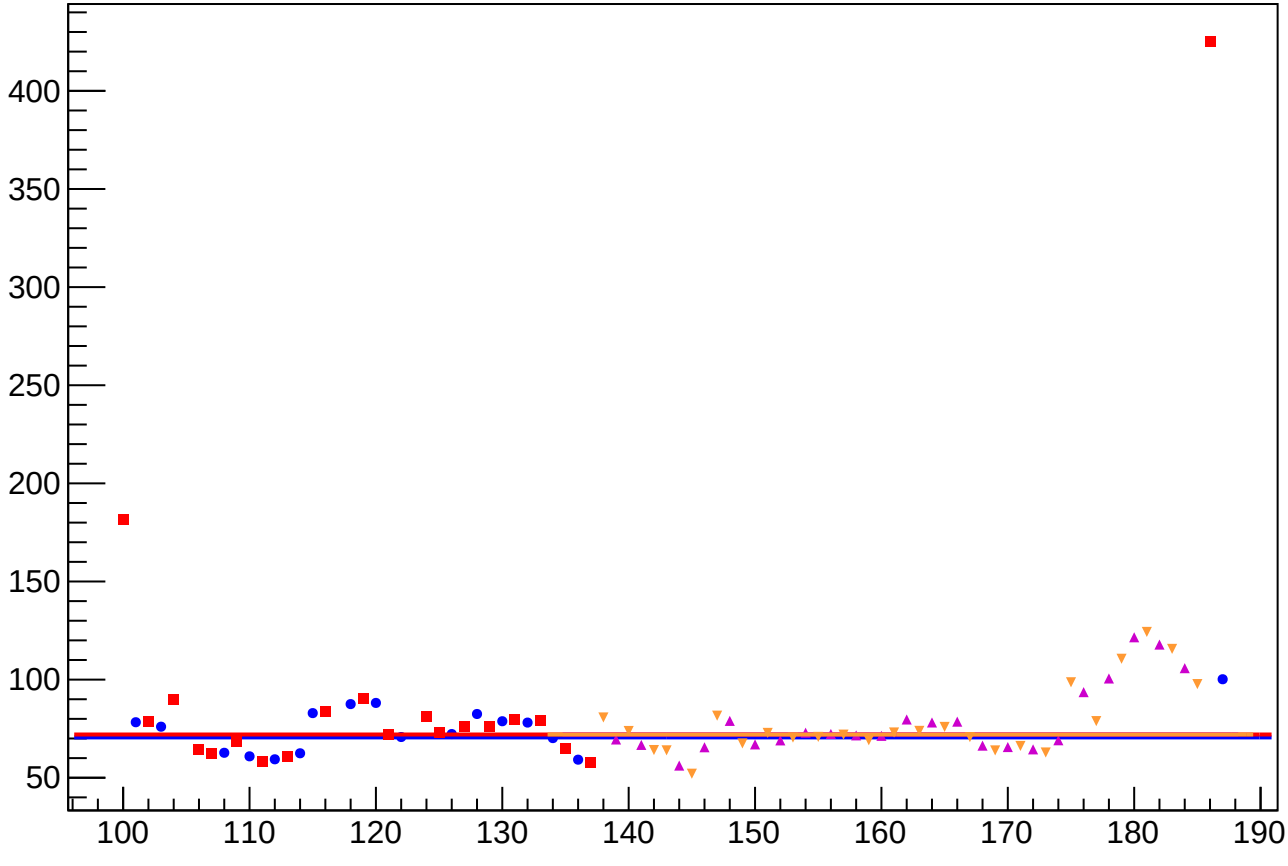
Right: -0.689+/-18.653 χ^2/NDF: 30.1/36

In: 2.679+/-14.400 χ^2/NDF:32.6/39

Out: 9.660+/-14.156 χ^2/NDF:58.5/44

All: 6.229+/-10.095 χ^2/NDF: 91.2/84

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.553+/-0.019 χ^2/NDF: 302413.1/16

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 72.035+/-0.019 χ^2/NDF: 880105.2/19

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

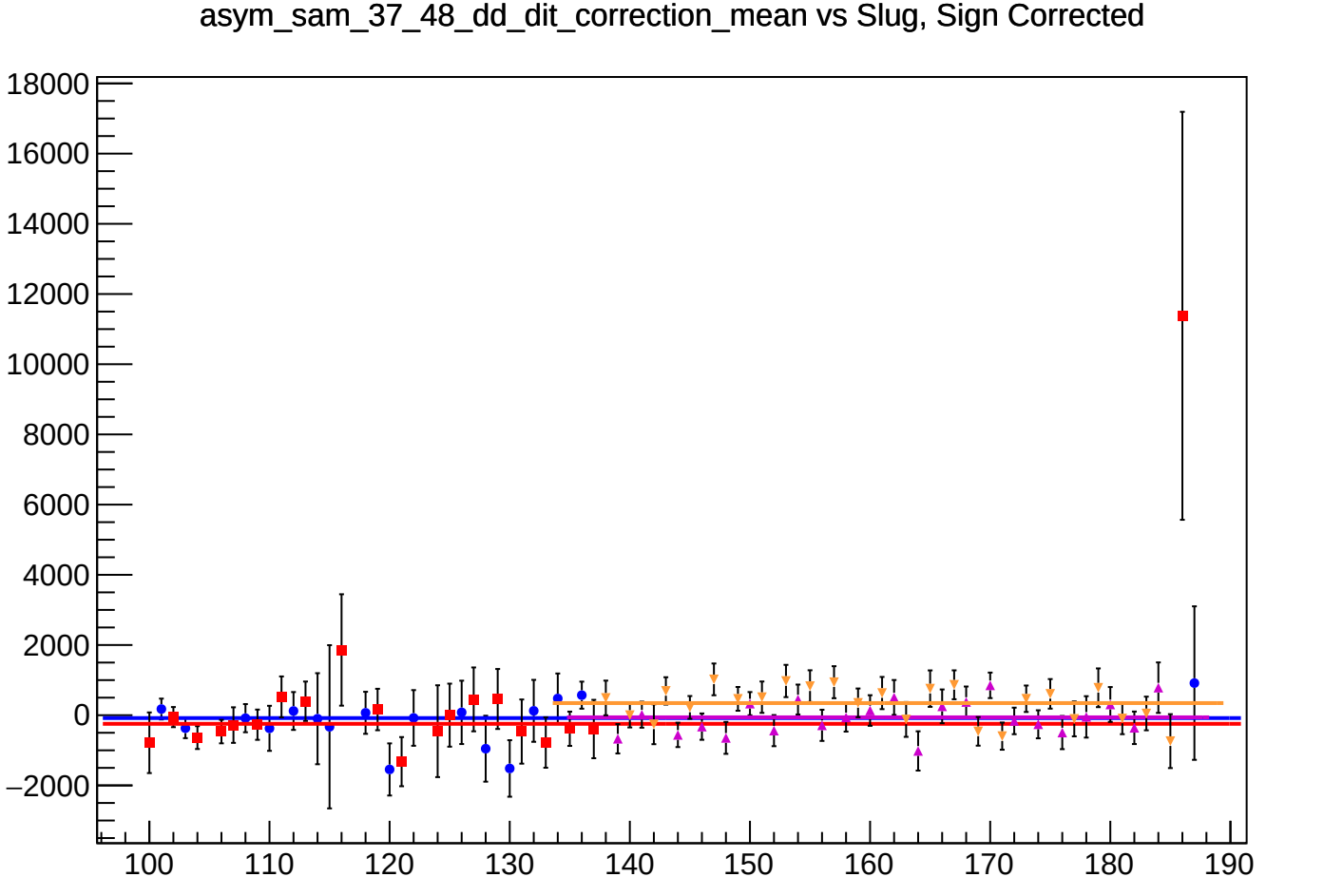
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 71.286+/-0.013 χ^2/NDF: 1185676.0/36

In: 71.629+/-0.010 χ^2/NDF:1366080.4/39

Out: 72.039+/-0.010 χ^2/NDF:2149577.0/44

All: 71.837+/-0.007 χ^2/NDF: 3516483.6/84



Right In: -81.504+/-132.632 χ^2/NDF: 13.9/16

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -245.207+/-123.274 χ^2/NDF: 16.5/19

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

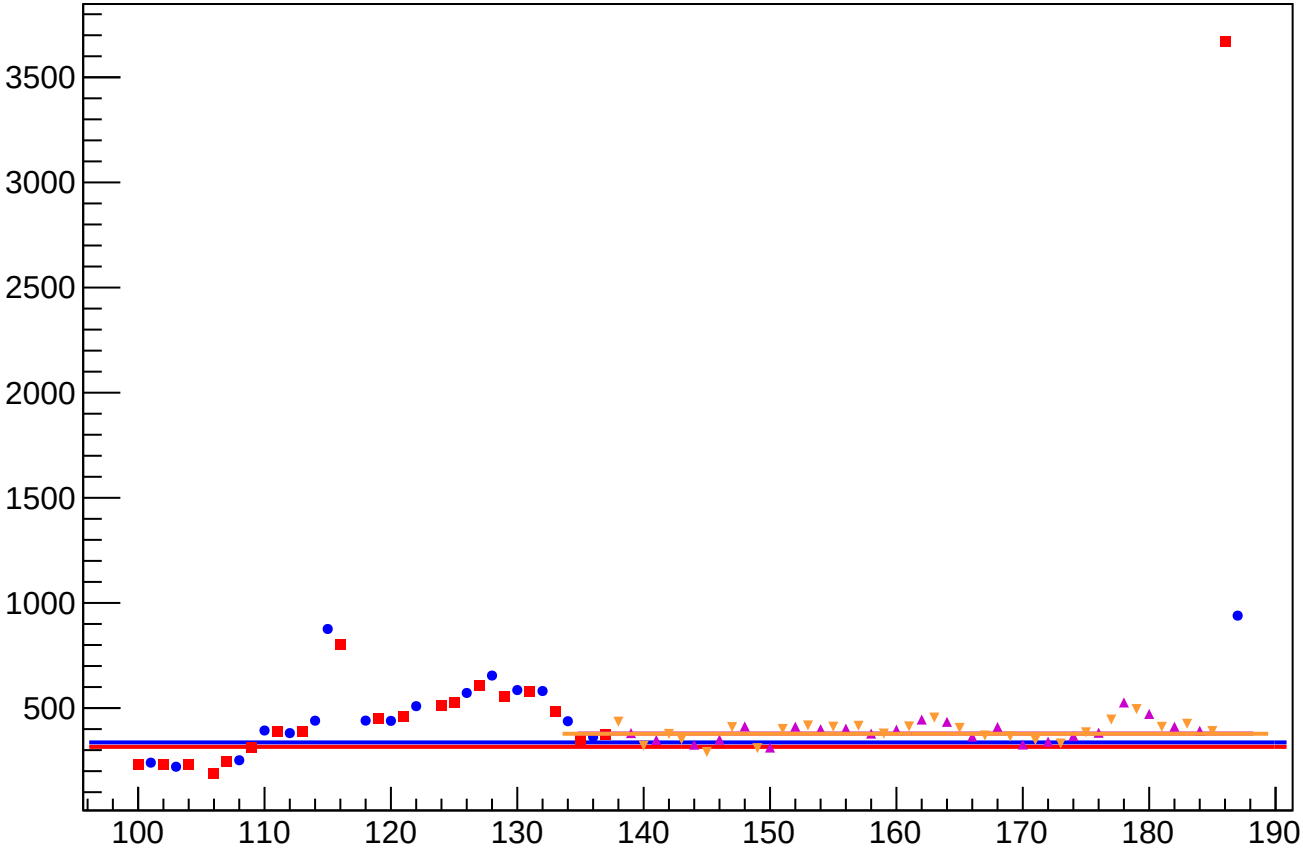
Right: -169.334+/-90.295 χ^2/NDF: 31.2/36

In: -66.656+/-74.138 χ^2/NDF:39.8/39

Out: 149.955+/-70.984 χ^2/NDF:60.8/44

All: 46.356+/-51.272 χ^2/NDF: 105.0/84

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 336.657+/-0.094 χ^2/NDF: 1883236.3/16

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 315.481+/-0.087 χ^2/NDF: 2571260.0/19

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

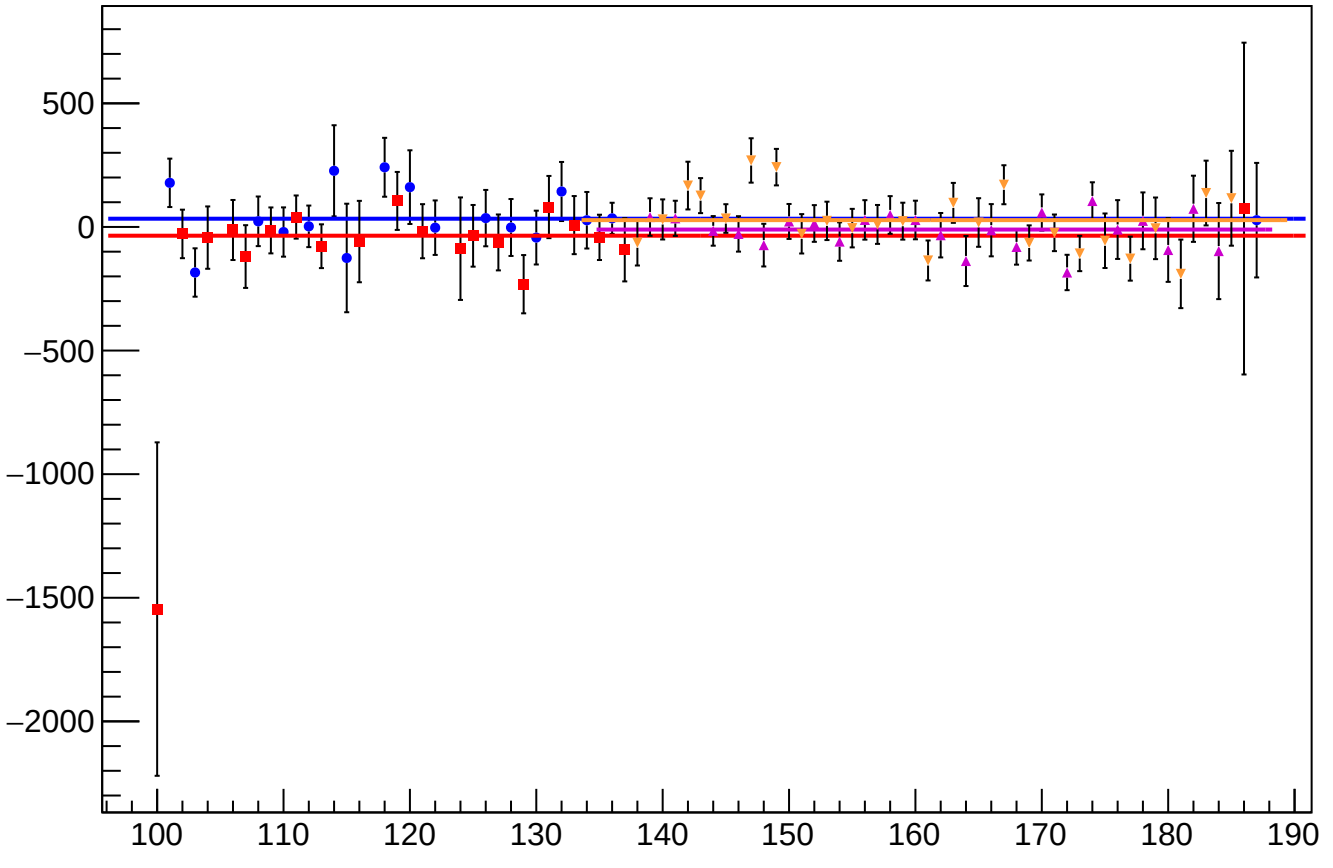
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 325.296+/-0.064 χ^2/NDF: 4481849.5/36

In: 365.680+/-0.052 χ^2/NDF:2550206.7/39

Out: 357.135+/-0.050 χ^2/NDF:3549589.5/44

All: 361.222+/-0.036 χ^2/NDF: 6113658.4/84



Right In: 33.321+/-26.245 χ^2/NDF: 14.5/16

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -35.405+/-26.515 χ^2/NDF: 12.1/19

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

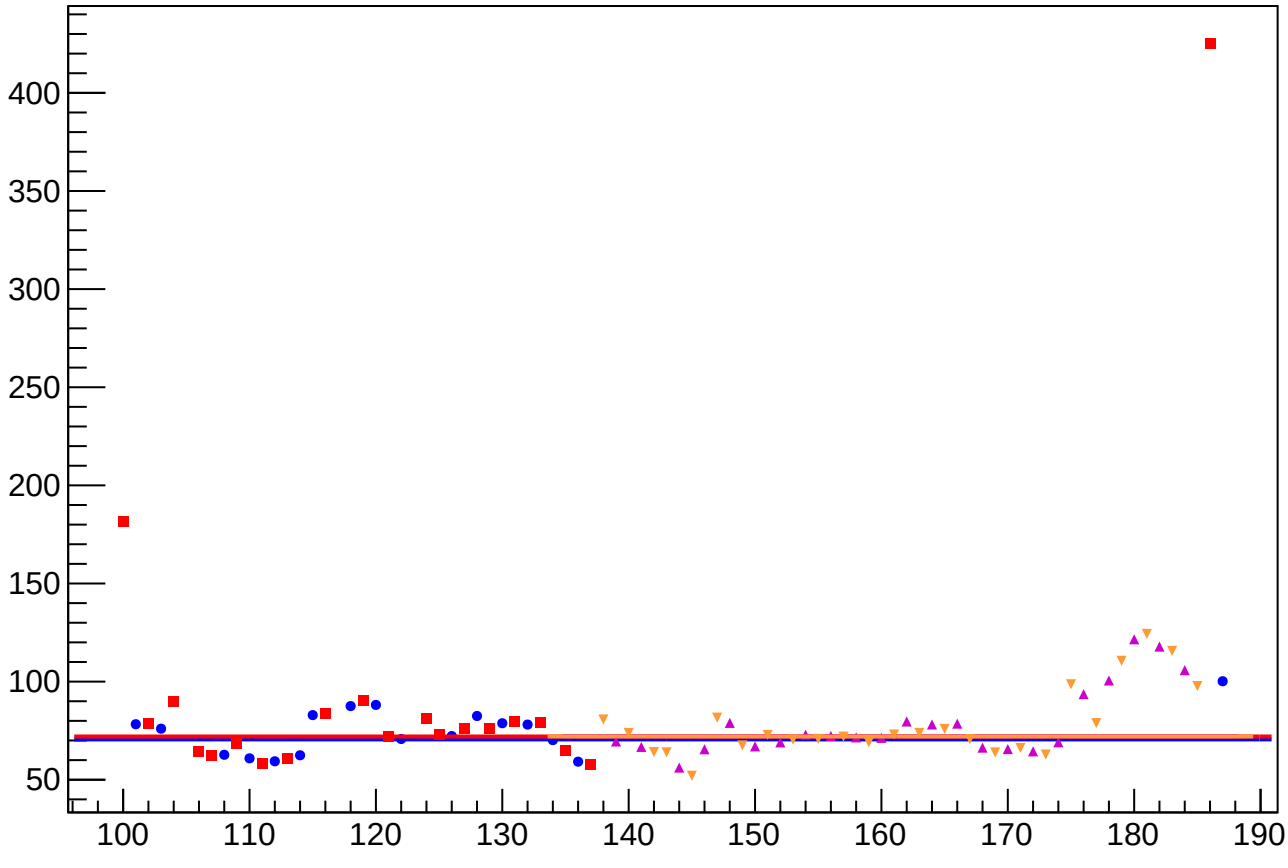
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -0.690+/-18.653 χ^2/NDF: 30.1/36

In: 2.678+/-14.400 χ^2/NDF:32.6/39

Out: 9.659+/-14.156 χ^2/NDF:58.5/44

All: 6.229+/-10.095 χ^2/NDF: 91.2/84



Right In: 70.553+/-0.019 χ^2/NDF: 302414.8/16

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 72.035+/-0.019 χ^2/NDF: 880109.5/19

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

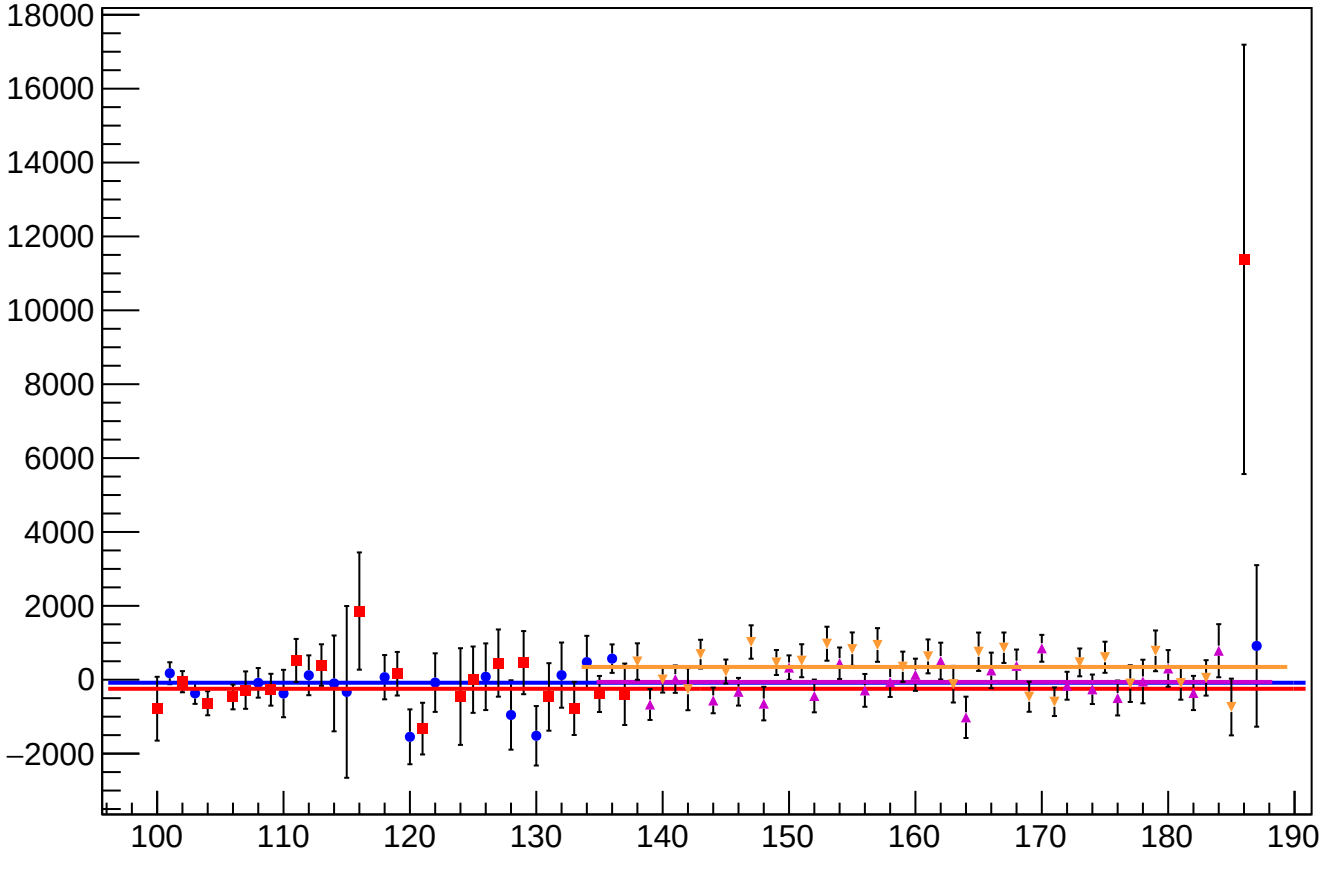
Right: 71.286+/-0.013 χ^2/NDF: 1185682.0/36

In: 71.629+/-0.010 χ^2/NDF:1366071.3/39

Out: 72.039+/-0.010 χ^2/NDF:2149588.7/44

All: 71.837+/-0.007 χ^2/NDF: 3516486.2/84

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -81.505+/-132.632 χ^2/NDF: 13.9/16

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -245.208+/-123.274 χ^2/NDF: 16.5/19

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

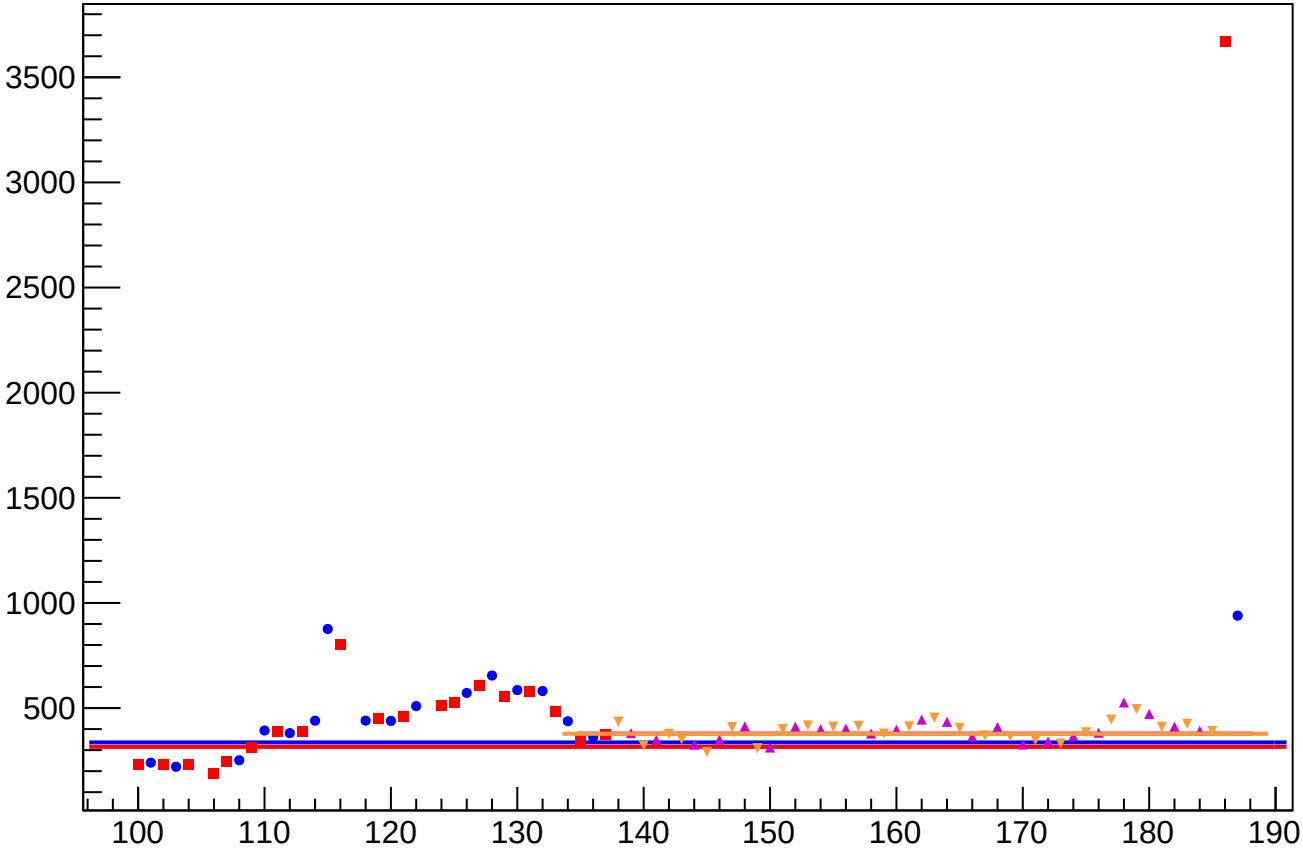
Right: -169.335+/-90.295 χ^2/NDF: 31.2/36

In: -66.656+/-74.138 χ^2/NDF:39.8/39

Out: 149.954+/-70.984 χ^2/NDF:60.8/44

All: 46.356+/-51.272 χ^2/NDF: 105.0/84

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 336.657+/-0.094 χ^2/NDF: 1883235.3/16

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 315.481+/-0.087 χ^2/NDF: 2571258.0/19

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

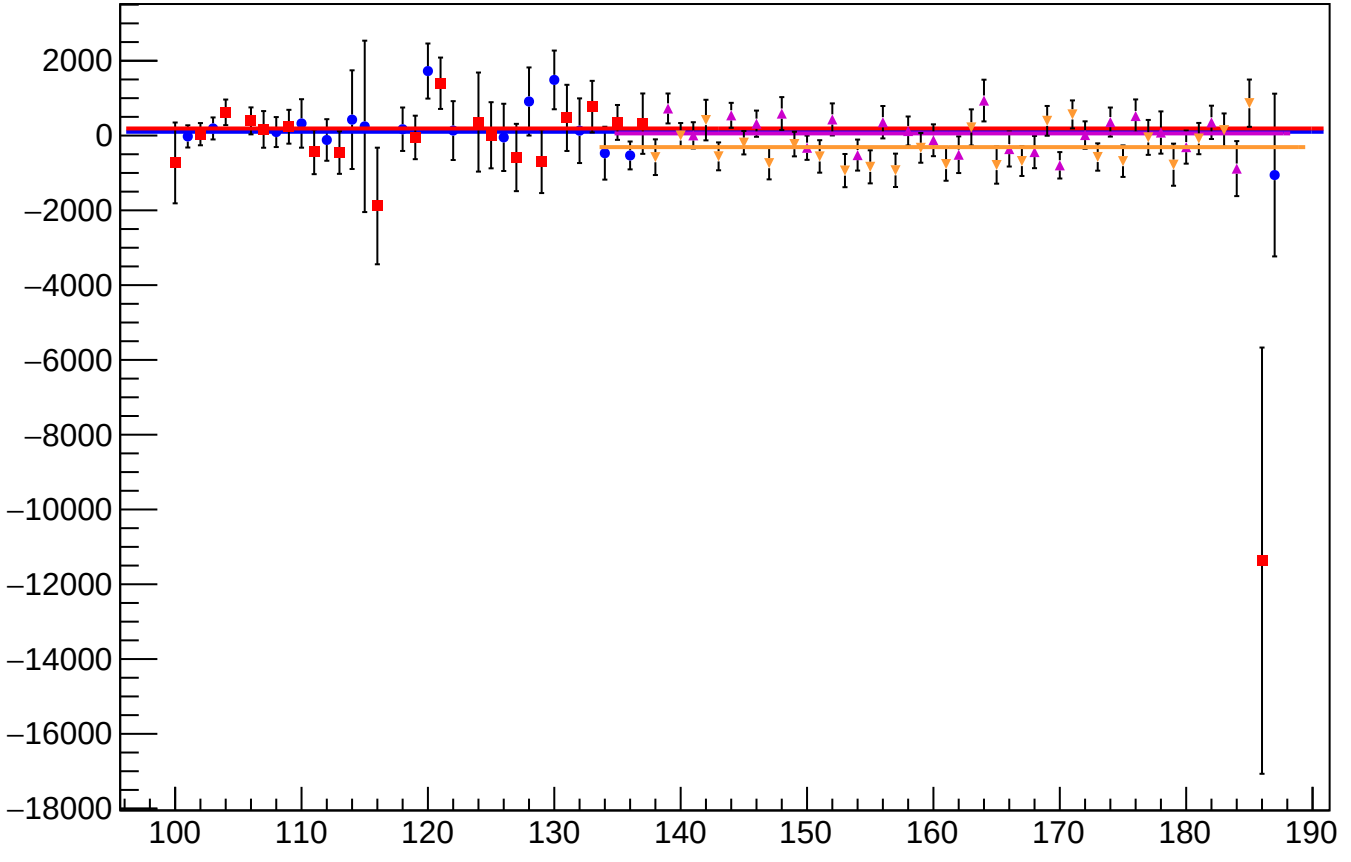
Right: 325.296+/-0.064 χ^2/NDF: 4481847.0/36

In: 365.680+/-0.052 χ^2/NDF:2550198.3/39

Out: 357.134+/-0.050 χ^2/NDF:3549583.8/44

All: 361.221+/-0.036 χ^2/NDF: 6113644.6/84

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 101.065+/-132.798 χ^2/NDF: 13.2/16

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 189.046+/-126.168 χ^2/NDF: 17.3/19

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

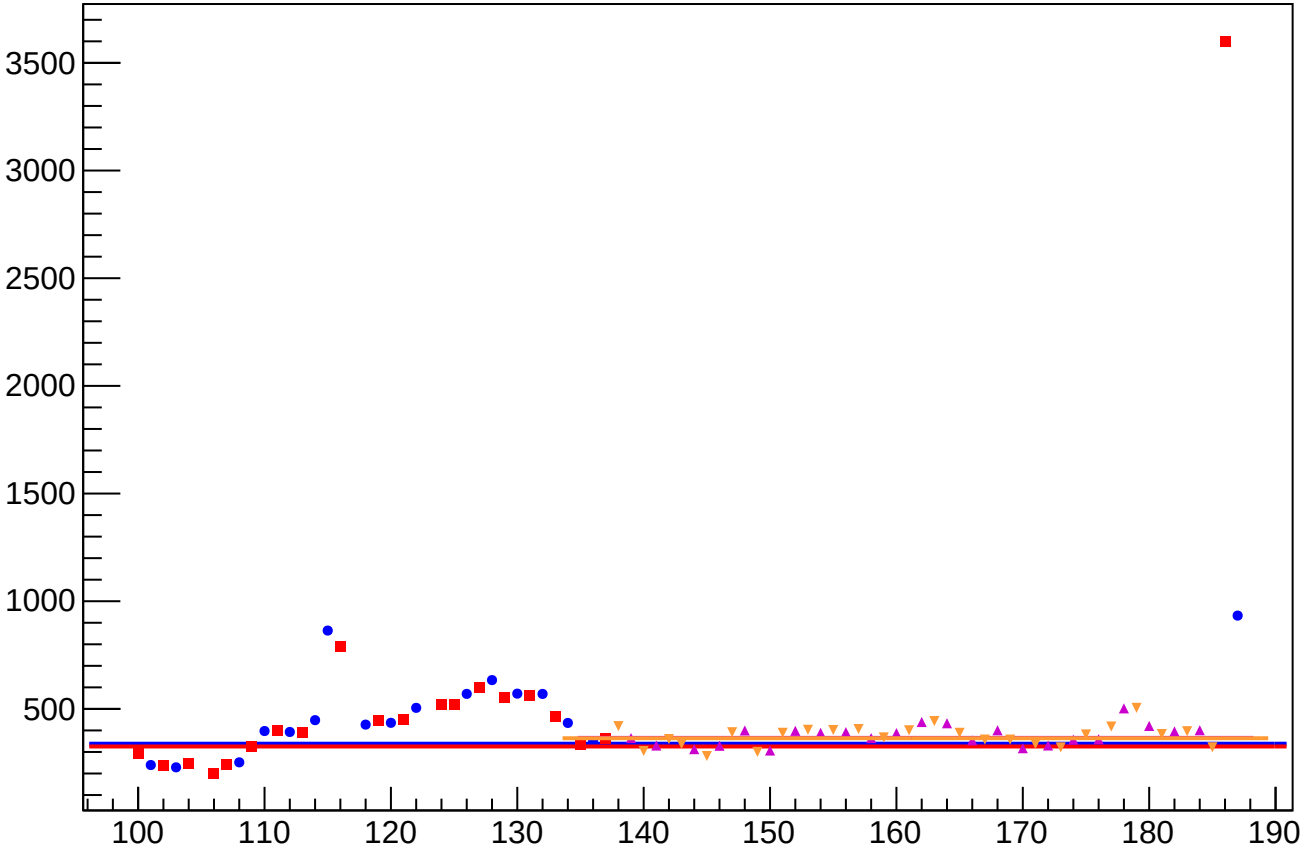
Right: 147.307+/-91.468 χ^2/NDF: 30.7/36

In: 70.450+/-72.318 χ^2/NDF:41.3/39

Out: -157.009+/-69.751 χ^2/NDF:58.1/44

All: -47.388+/-50.204 χ^2/NDF: 104.5/84

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 338.316+/-0.094 χ^2/NDF: 1769015.0/16

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 325.490+/-0.089 χ^2/NDF: 2325476.9/19

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

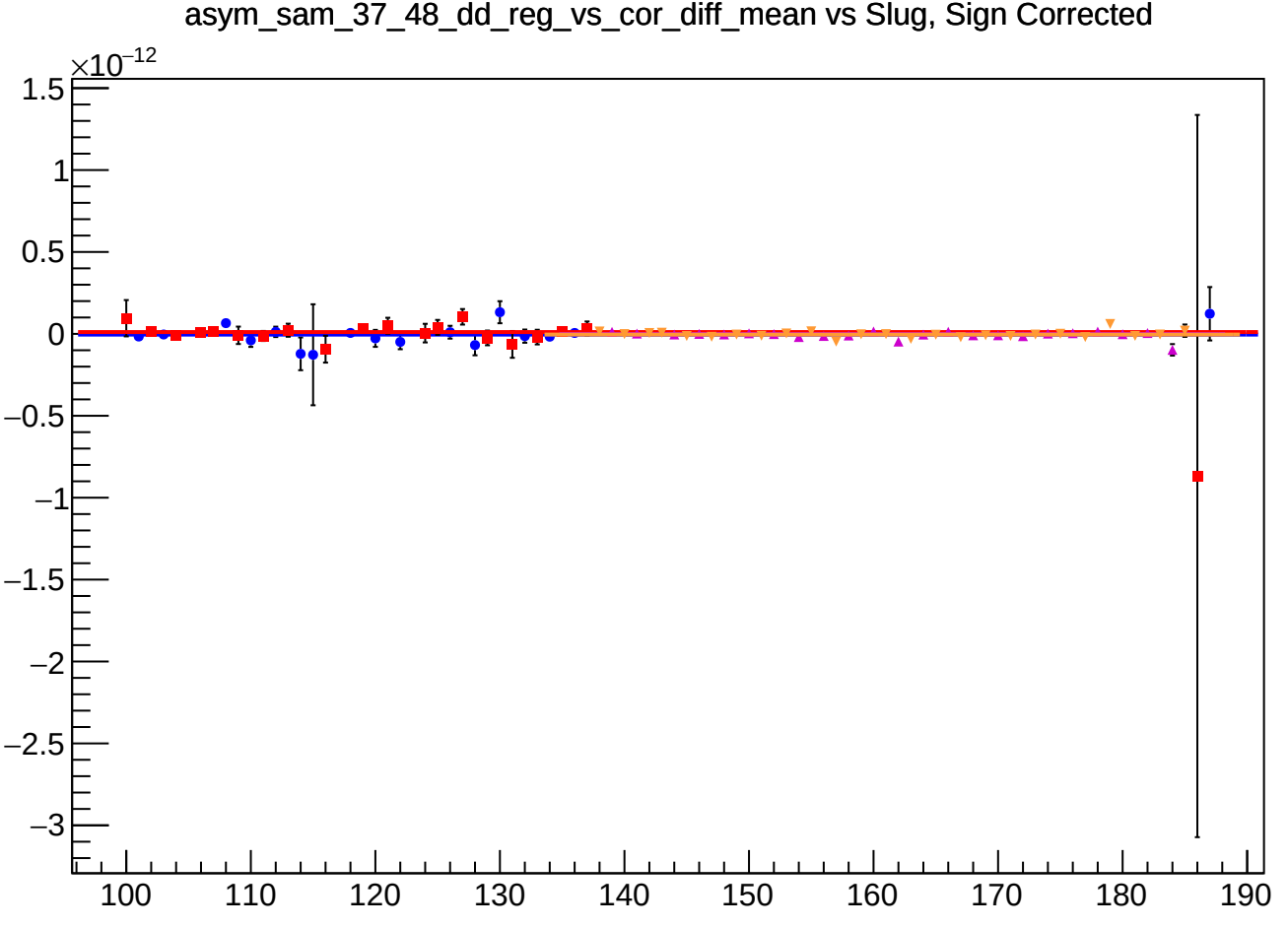
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 331.575+/-0.065 χ^2/NDF: 4104296.6/36

In: 357.314+/-0.051 χ^2/NDF:2336705.1/39

Out: 352.032+/-0.049 χ^2/NDF:3122187.2/44

All: 354.578+/-0.035 χ^2/NDF: 5464421.5/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/19

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

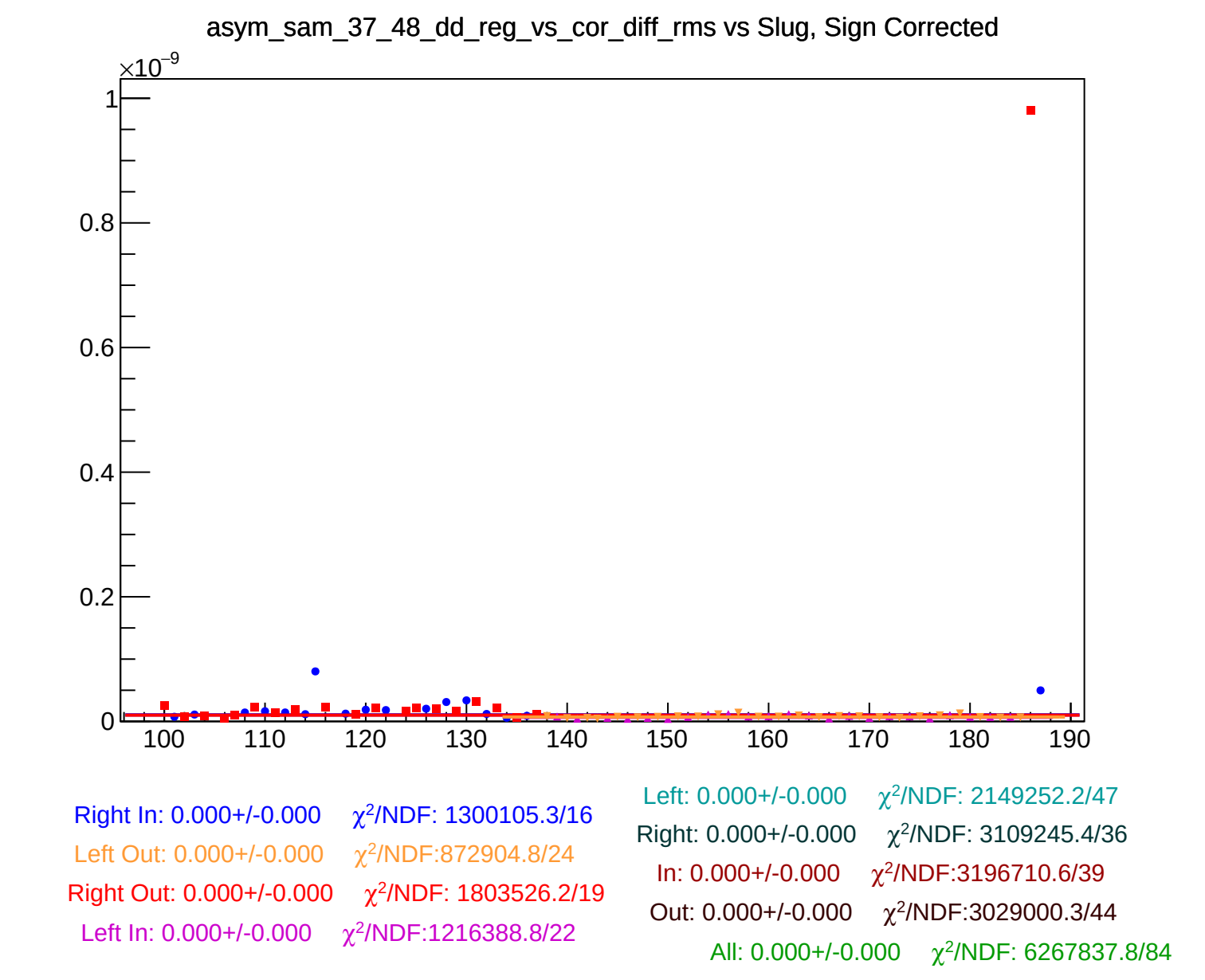
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

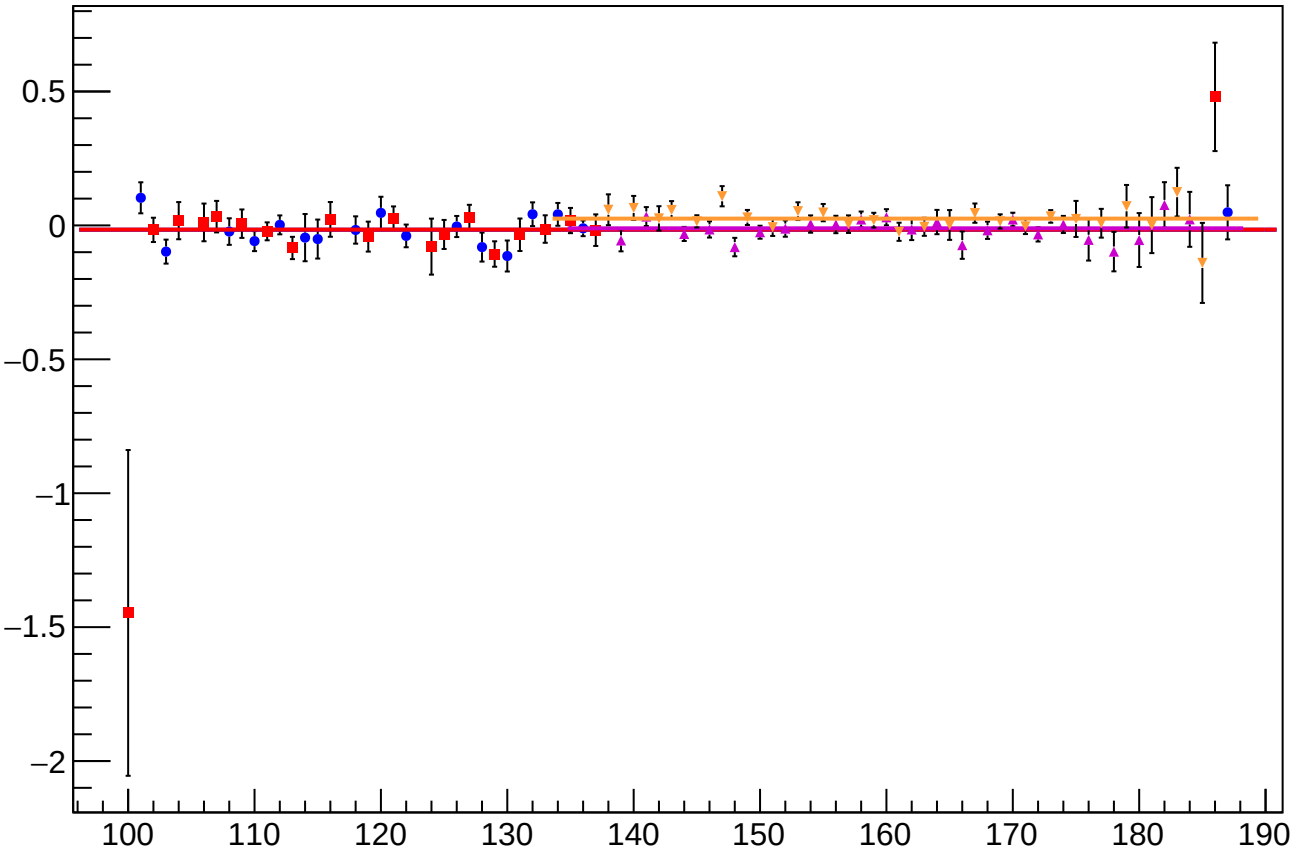
Right: 0.000+/-0.000 χ^2/NDF: 32.5/36

In: -0.000+/-0.000 χ^2/NDF:39.0/39

Out: -0.000+/-0.000 χ^2/NDF:39.2/44

All: -0.000+/-0.000 χ^2/NDF: 78.2/84


asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1300105.3/16
Left Out: 0.000+/-0.000 χ²/NDF:872904.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 1803526.2/19
Left In: 0.000+/-0.000 χ²/NDF:1216388.8/22
Left: 0.000+/-0.000 χ²/NDF: 2149252.2/47
Right: 0.000+/-0.000 χ²/NDF: 3109245.4/36
In: 0.000+/-0.000 χ²/NDF:3196710.6/39
Out: 0.000+/-0.000 χ²/NDF:3029000.3/44
All: 0.000+/-0.000 χ²/NDF: 6267837.8/84



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

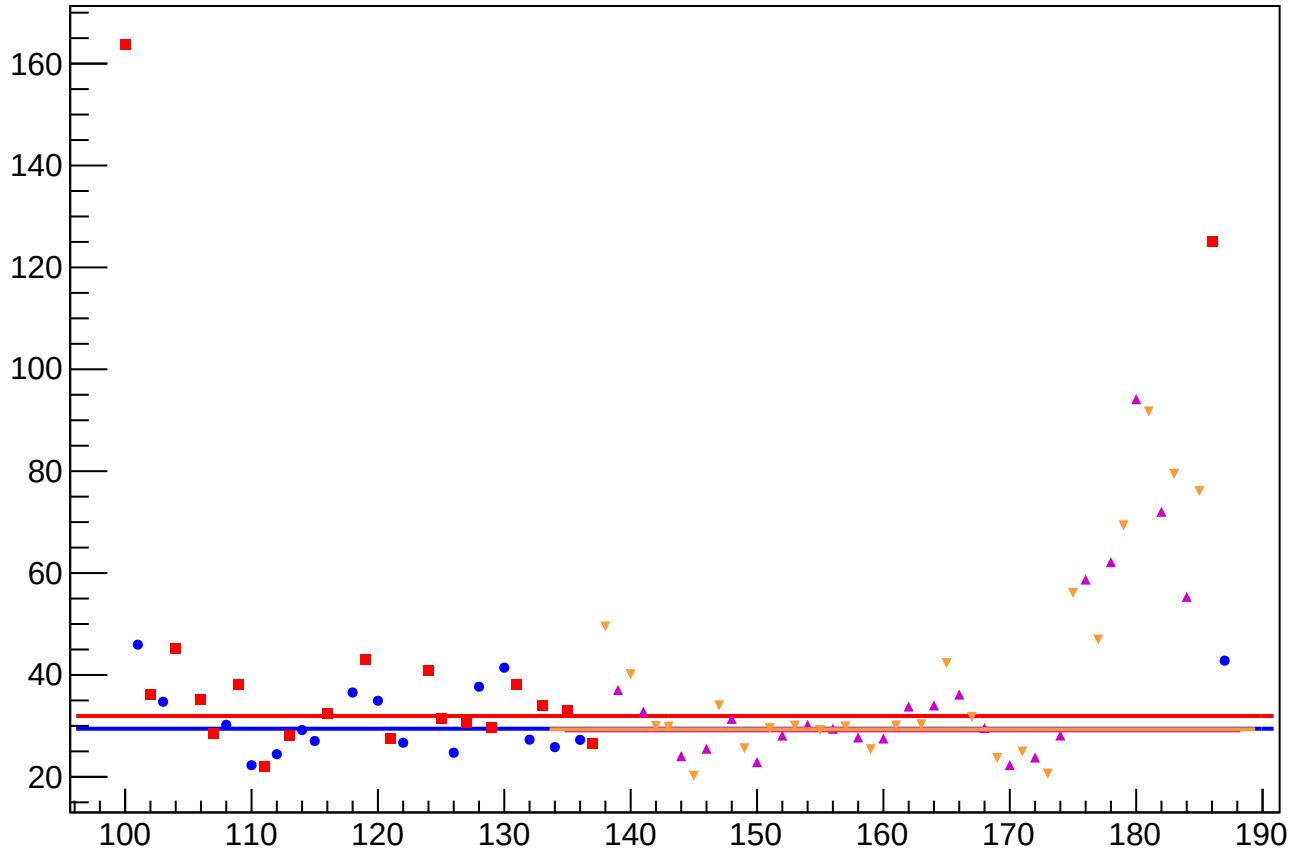
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.016+/-0.008 χ^2/NDF: 42.1/36

In: -0.012+/-0.006 χ^2/NDF:38.4/39

Out: 0.015+/-0.006 χ^2/NDF:48.8/44

All: 0.001+/-0.004 χ^2/NDF: 96.9/84



Right In: 29.447+/-0.008 χ^2/NDF: 596129.1/16

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 31.946+/-0.009 χ^2/NDF: 996335.9/19

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

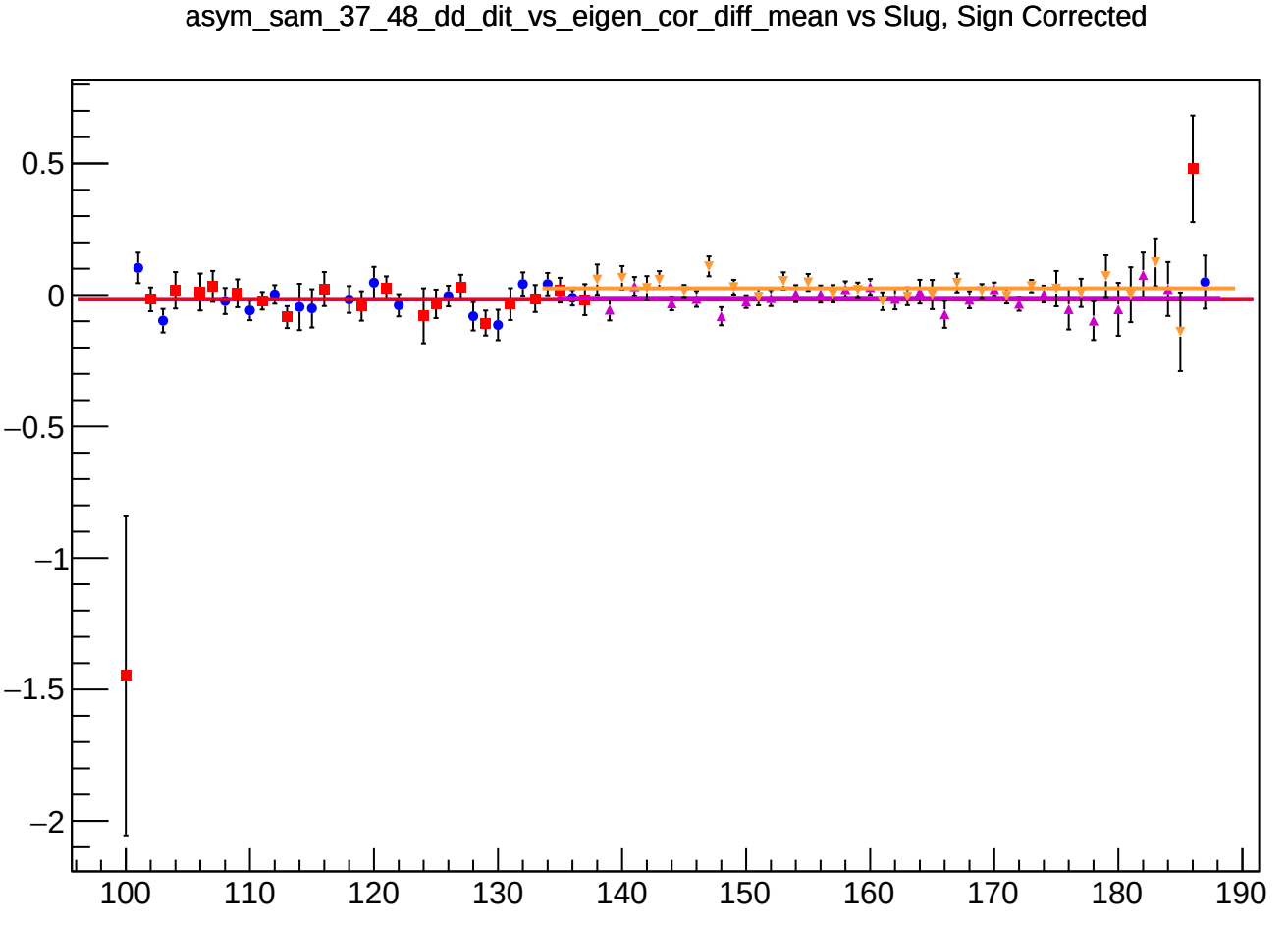
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 30.610+/-0.006 χ^2/NDF: 1638207.7/36

In: 29.220+/-0.004 χ^2/NDF:3436398.5/39

Out: 30.016+/-0.004 χ^2/NDF:4940186.7/44

All: 29.615+/-0.003 χ^2/NDF: 8393366.1/84



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

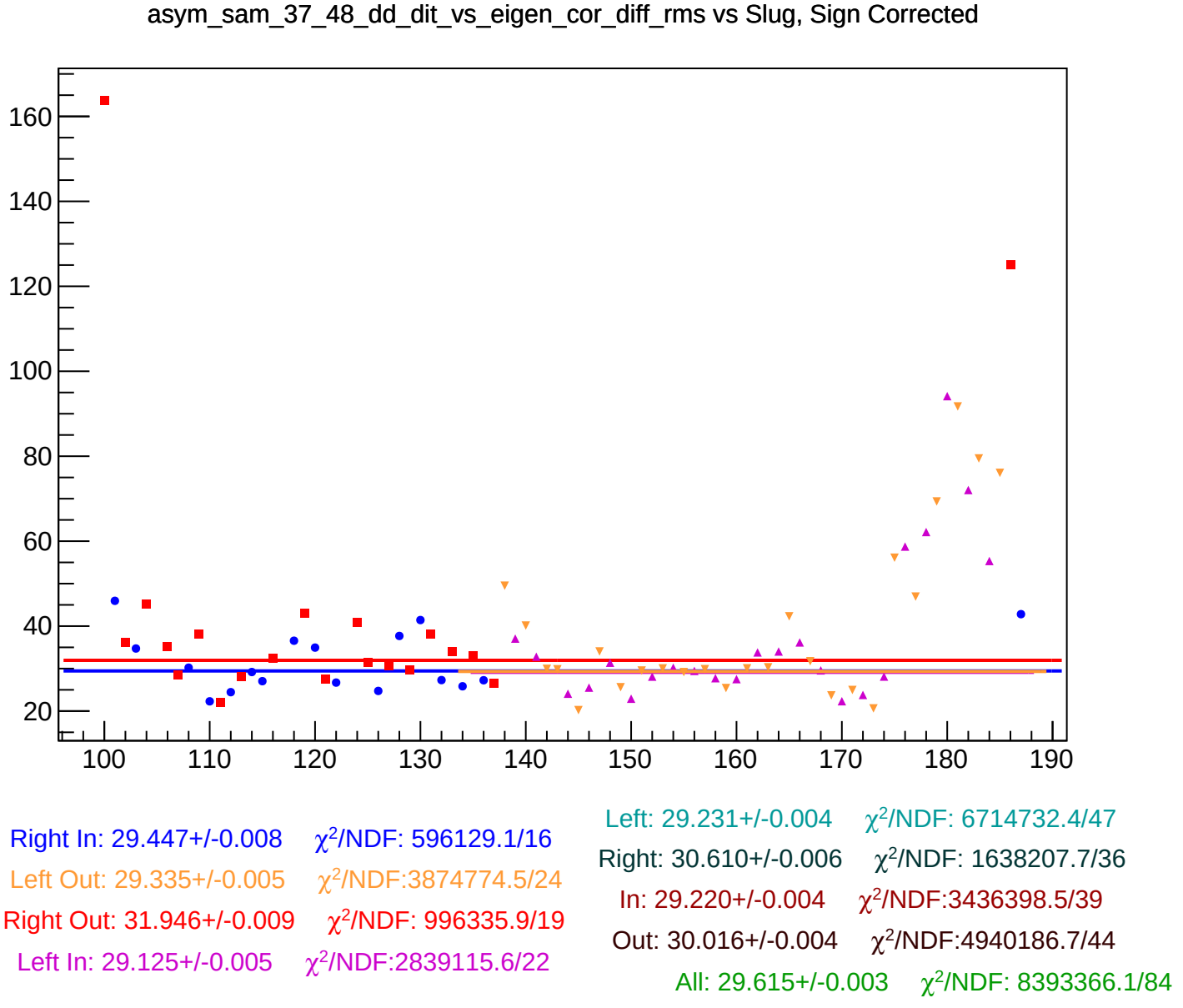
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

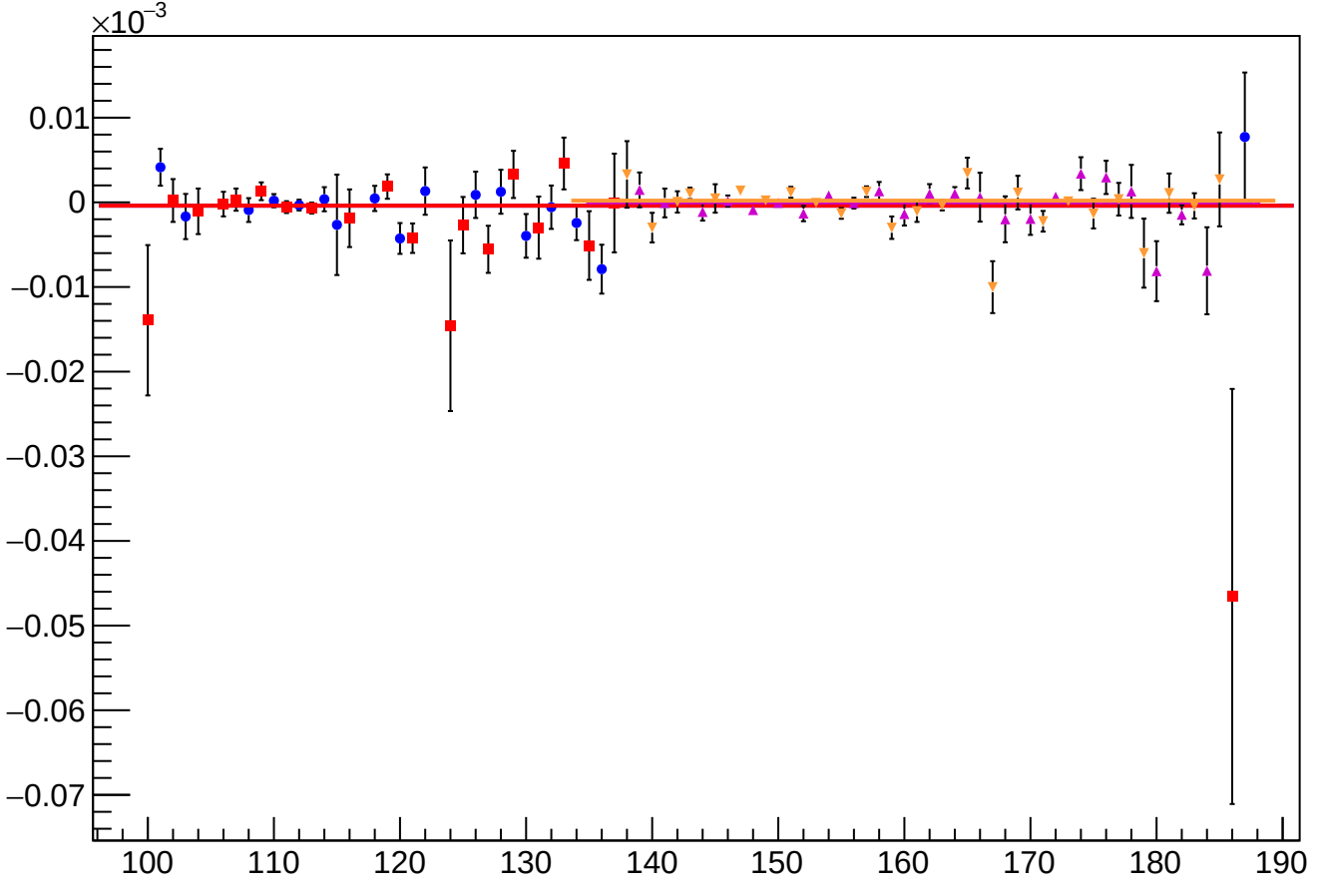
Right: -0.016+/-0.008 χ^2/NDF: 42.1/36

In: -0.012+/-0.006 χ^2/NDF:38.4/39

Out: 0.015+/-0.006 χ^2/NDF:48.8/44

All: 0.001+/-0.004 χ^2/NDF: 96.9/84


asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
190
Right In: 29.447+/-0.008 χ2/NDF: 596129.1/16
Left Out: 29.335+/-0.005 χ2/NDF:3874774.5/24
Right Out: 31.946+/-0.009 χ2/NDF: 996335.9/19
Left In: 29.125+/-0.005 χ2/NDF:2839115.6/22
Left: 29.231+/-0.004 χ2/NDF: 6714732.4/47
Right: 30.610+/-0.006 χ2/NDF: 1638207.7/36
In: 29.220+/-0.004 χ2/NDF:3436398.5/39
Out: 30.016+/-0.004 χ2/NDF:4940186.7/44
All: 29.615+/-0.003 χ2/NDF: 8393366.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/19

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

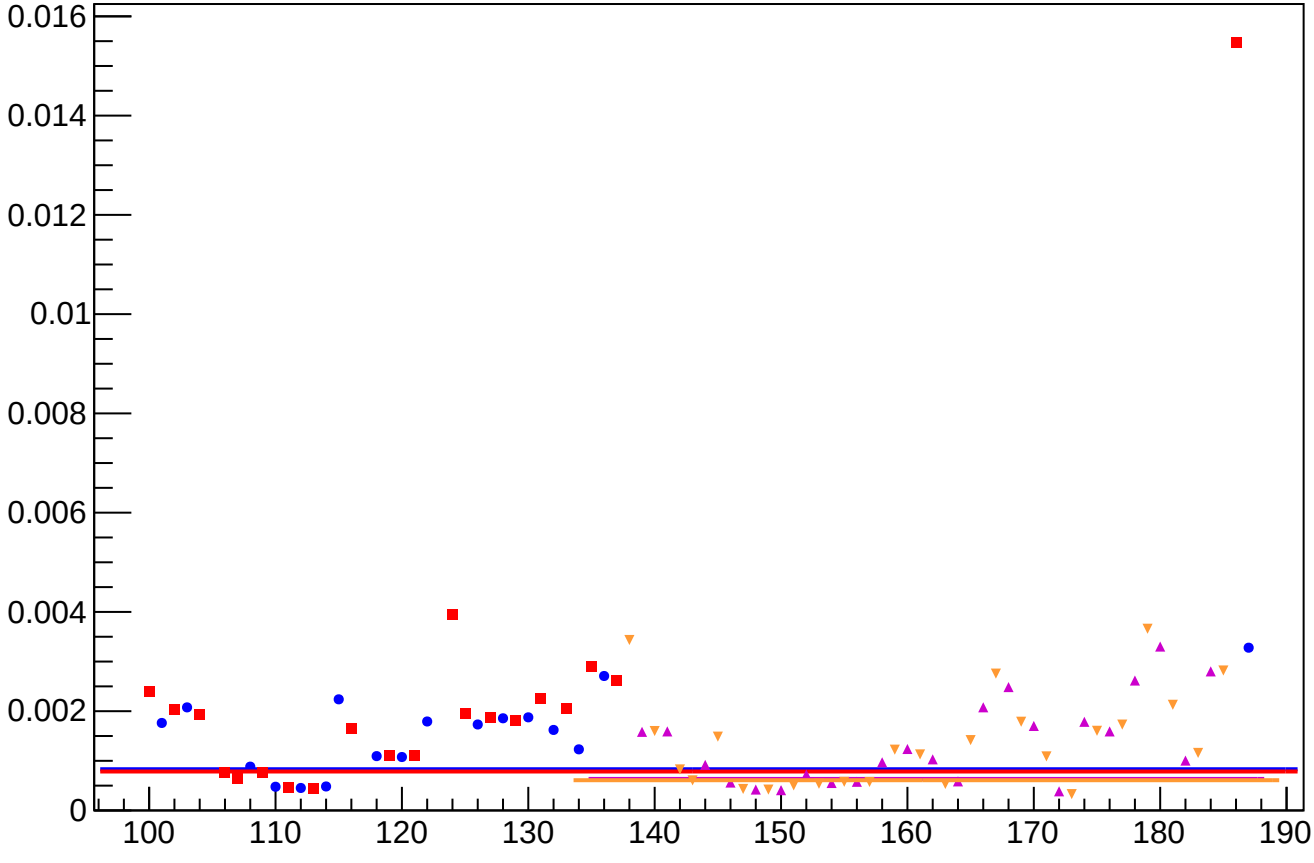
Right: -0.000+/-0.000 χ^2/NDF: 51.2/36

In: -0.000+/-0.000 χ^2/NDF:56.2/39

Out: 0.000+/-0.000 χ^2/NDF:83.8/44

All: 0.000+/-0.000 χ^2/NDF: 140.5/84

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4656040.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5356412.9/19

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

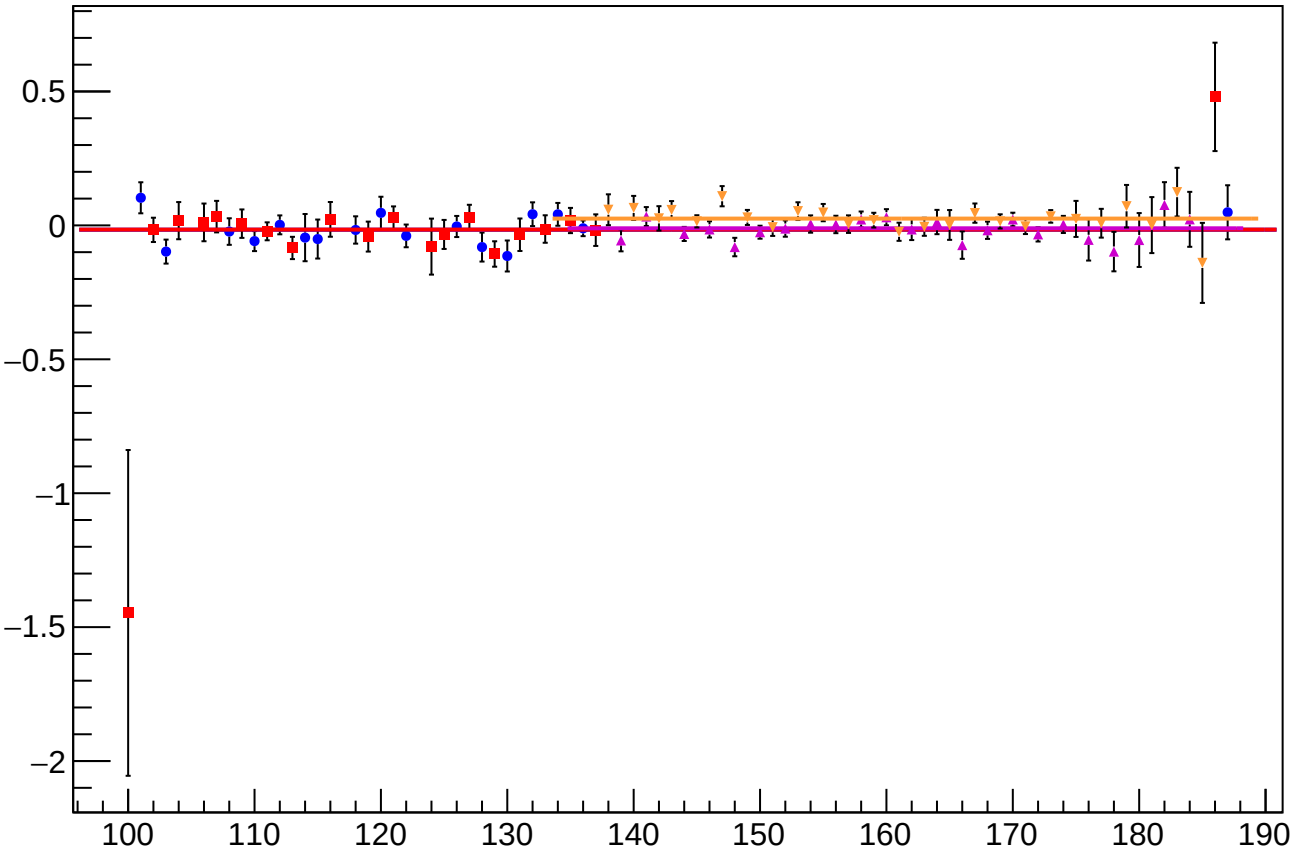
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 10028533.4/36

In: 0.001+/-0.000 χ^2/NDF:14481606.6/39

Out: 0.001+/-0.000 χ^2/NDF:16732061.4/44

All: 0.001+/-0.000 χ^2/NDF: 31250982.7/84



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

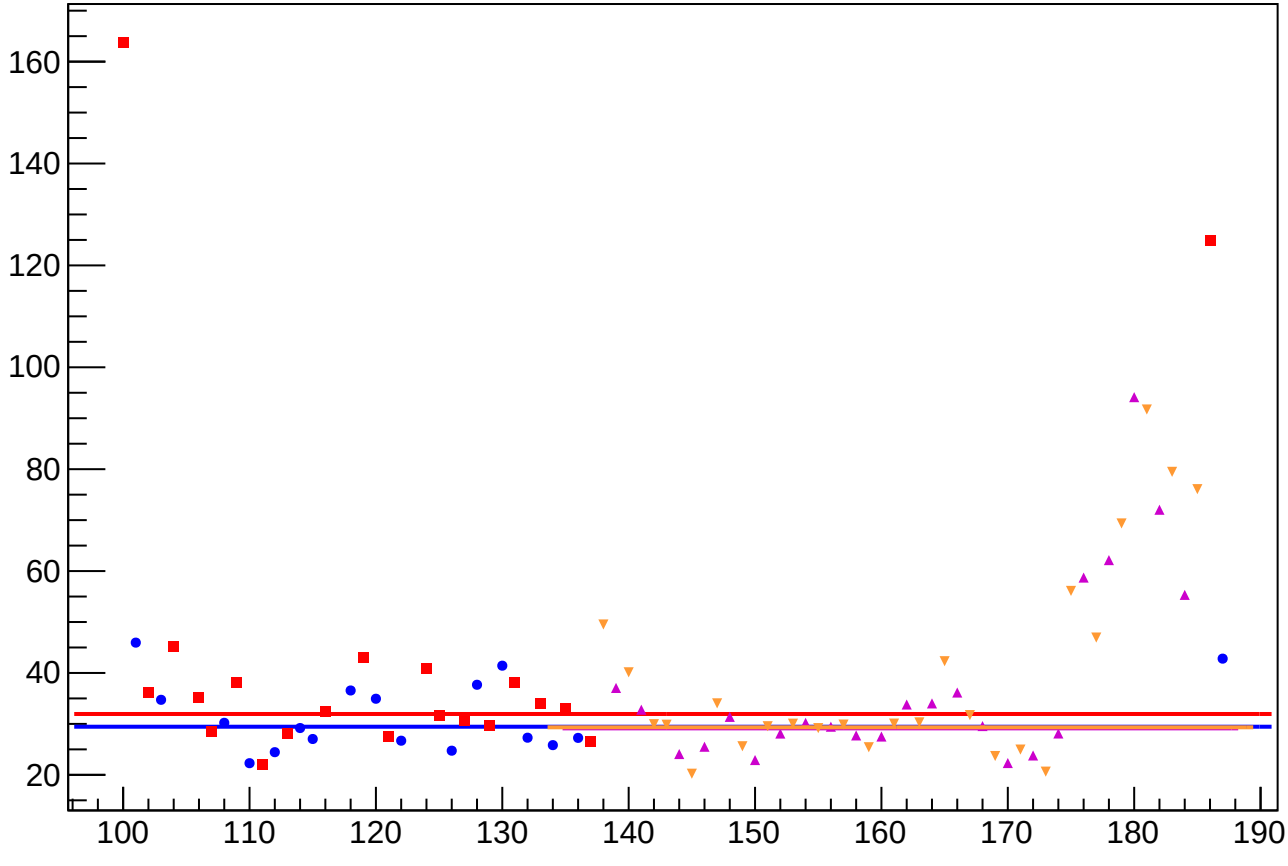
Right: -0.016+/-0.008 χ^2/NDF: 42.1/36

In: -0.012+/-0.006 χ^2/NDF:38.4/39

Out: 0.015+/-0.006 χ^2/NDF:48.8/44

All: 0.001+/-0.004 χ^2/NDF: 96.9/84

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.447+/-0.008 χ^2/NDF: 596120.5/16

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 31.946+/-0.009 χ^2/NDF: 996305.2/19

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

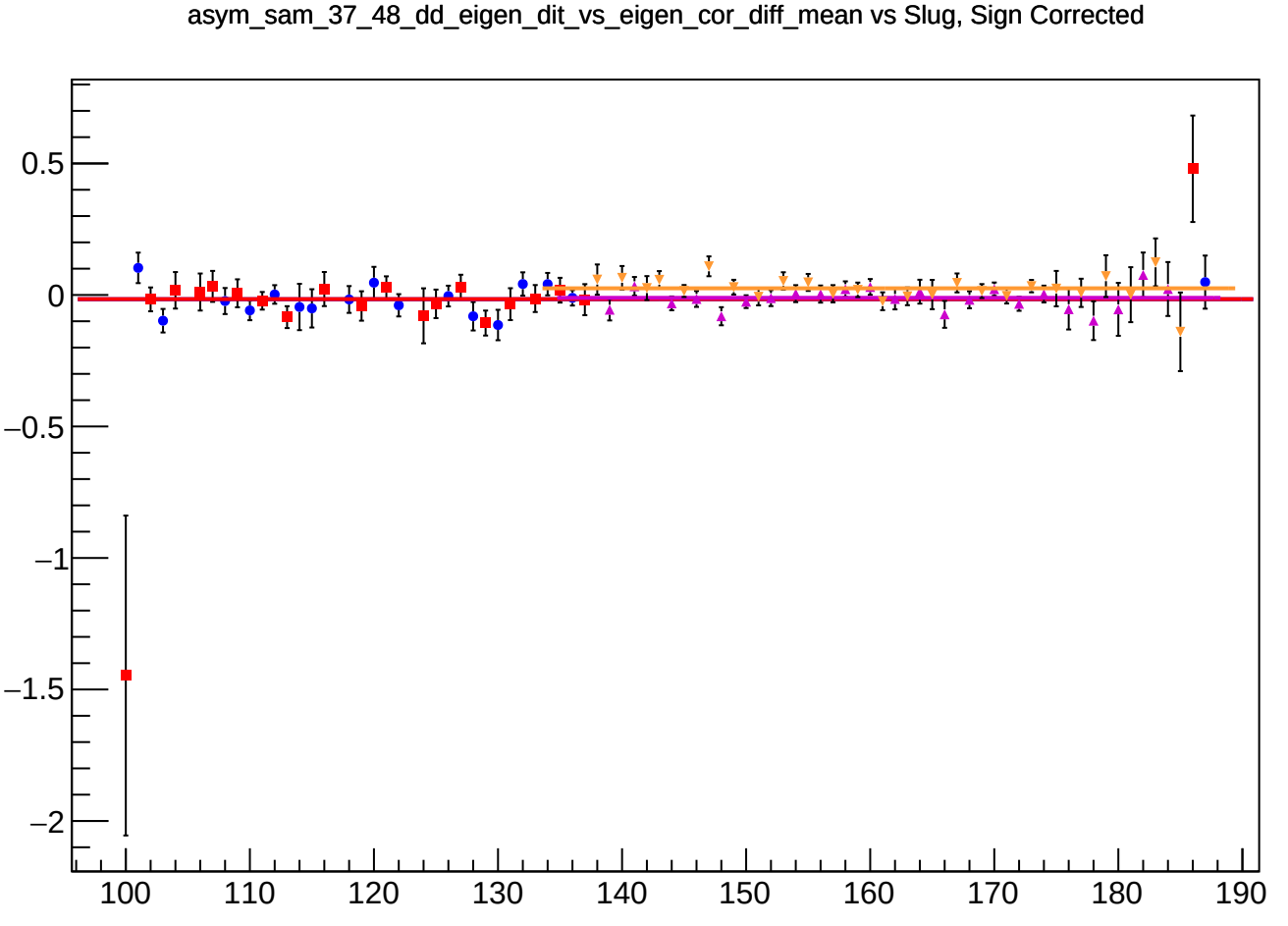
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 30.611+/-0.006 χ^2/NDF: 1638173.5/36

In: 29.220+/-0.004 χ^2/NDF:3436354.8/39

Out: 30.016+/-0.004 χ^2/NDF:4940246.8/44

All: 29.615+/-0.003 χ^2/NDF: 8393382.1/84



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

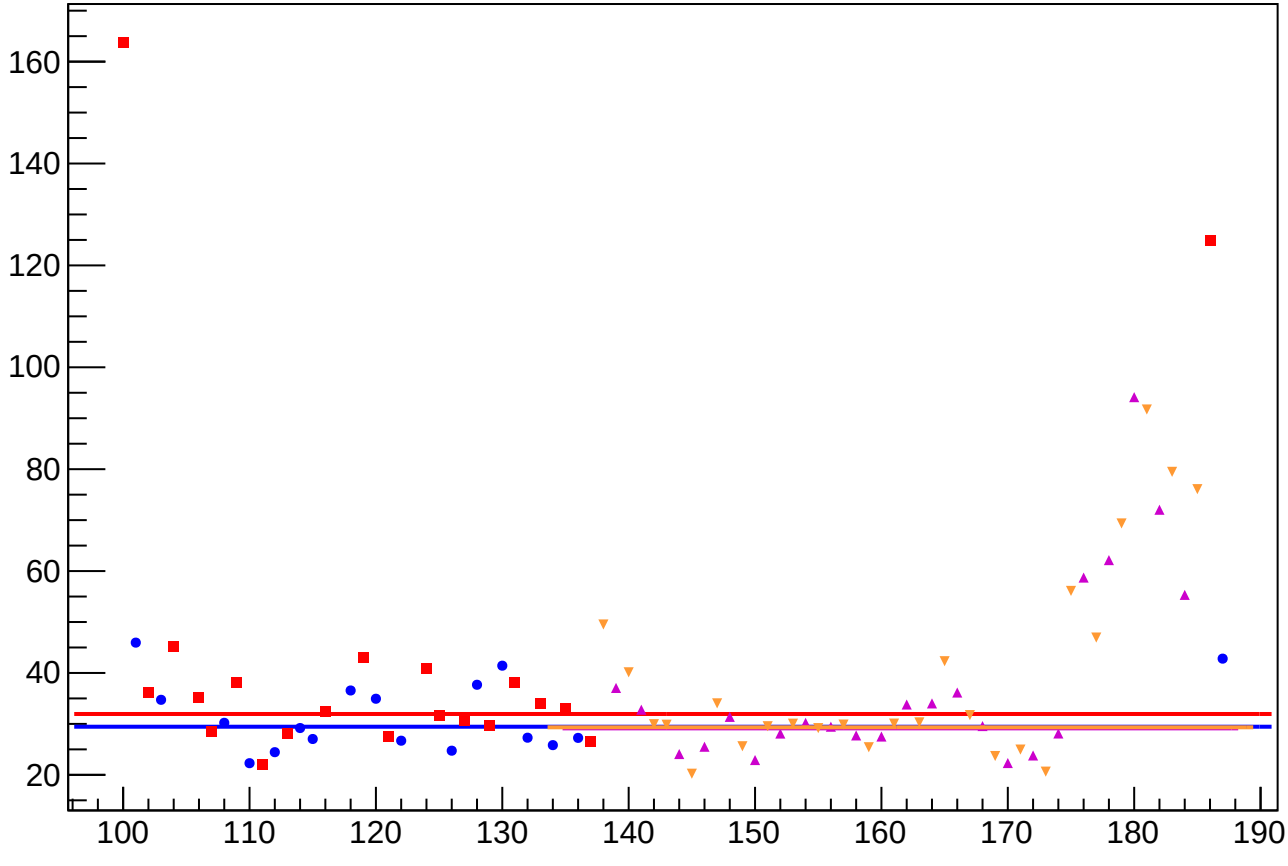
Right: -0.016+/-0.008 χ^2/NDF: 42.1/36

In: -0.012+/-0.006 χ^2/NDF:38.4/39

Out: 0.015+/-0.006 χ^2/NDF:48.8/44

All: 0.001+/-0.004 χ^2/NDF: 96.9/84

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.447+/-0.008 χ^2/NDF: 596120.5/16

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 31.946+/-0.009 χ^2/NDF: 996305.2/19

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

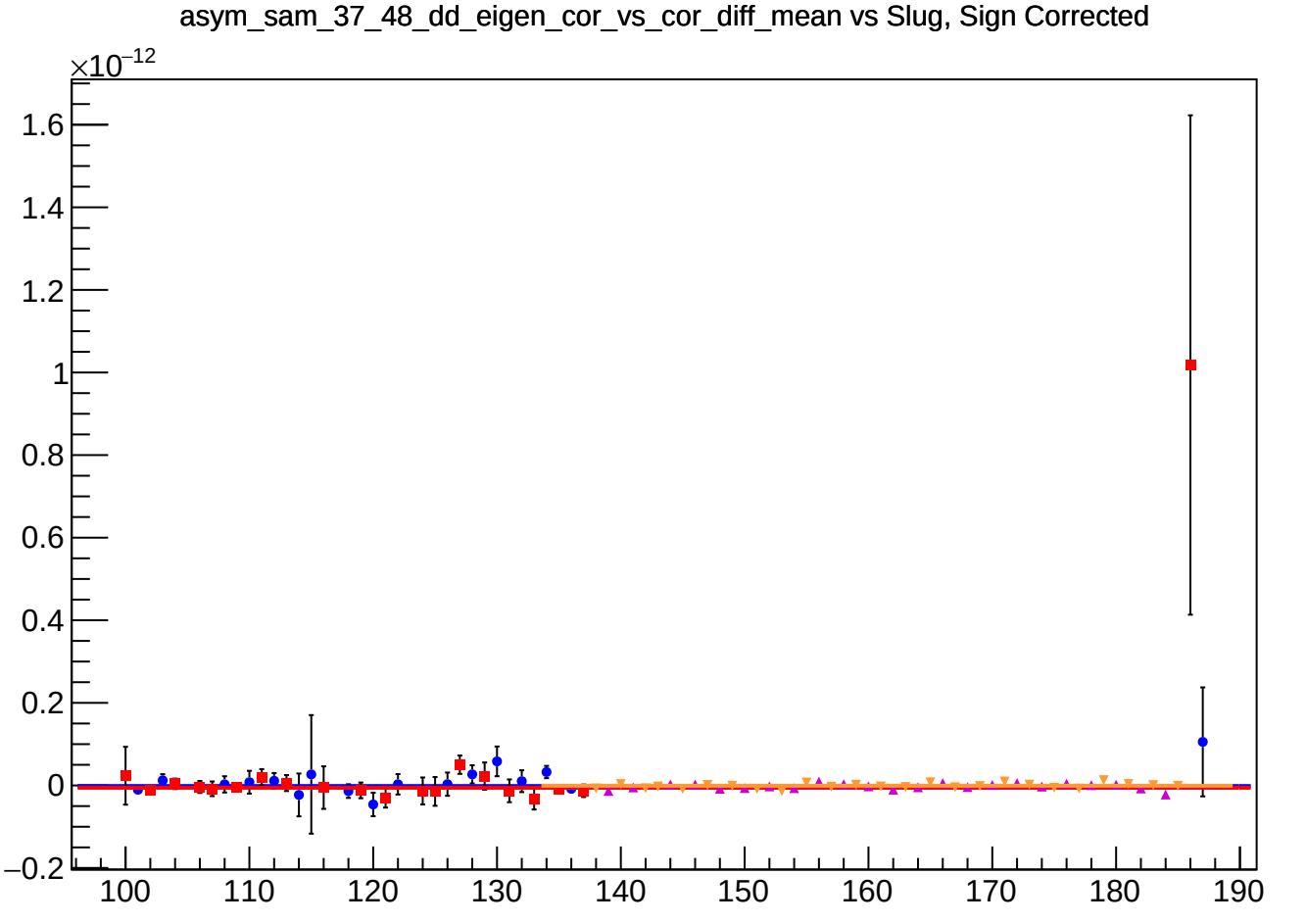
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 30.611+/-0.006 χ^2/NDF: 1638173.5/36

In: 29.220+/-0.004 χ^2/NDF:3436354.8/39

Out: 30.016+/-0.004 χ^2/NDF:4940246.8/44

All: 29.615+/-0.003 χ^2/NDF: 8393382.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/19

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

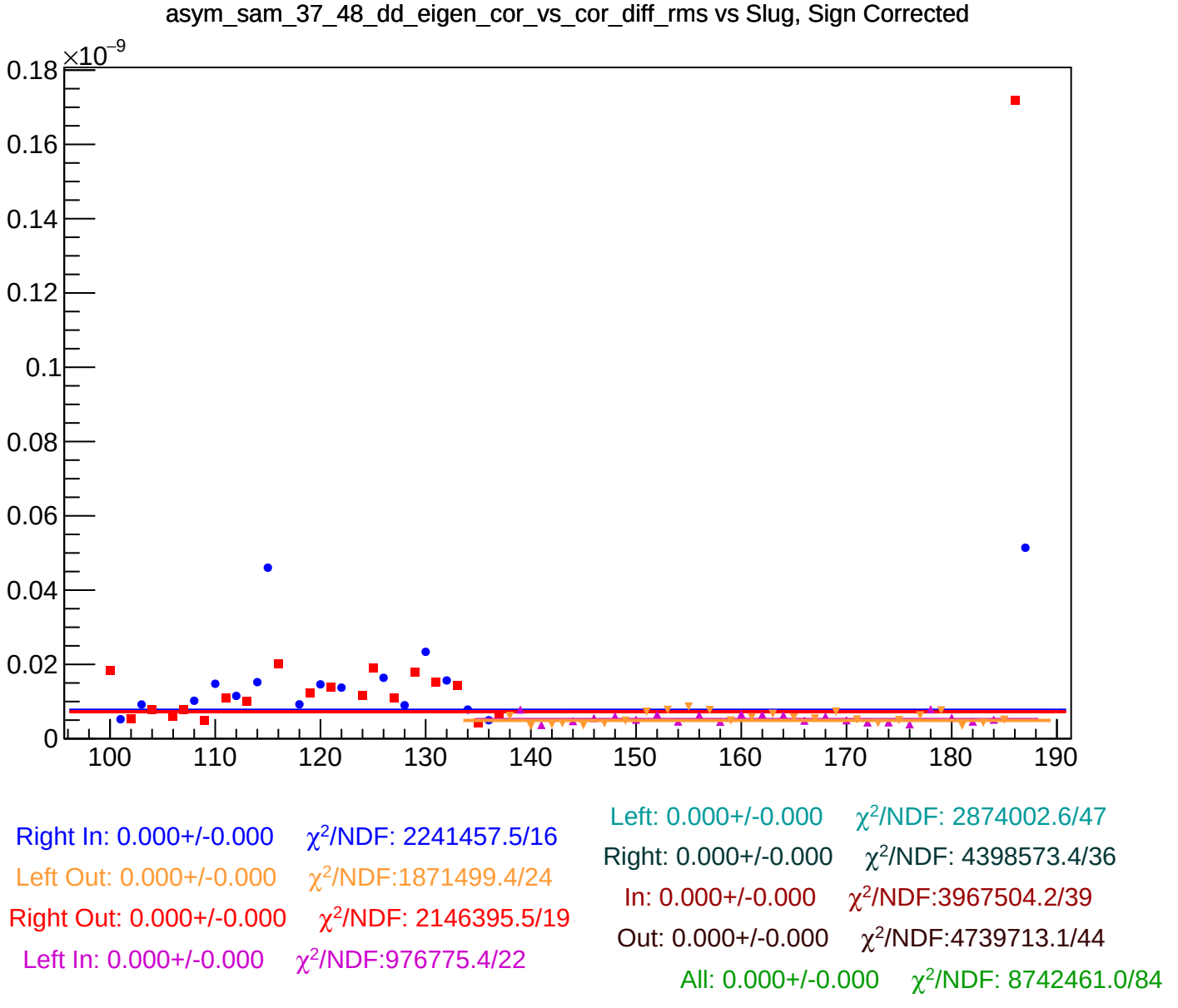
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 34.4/36

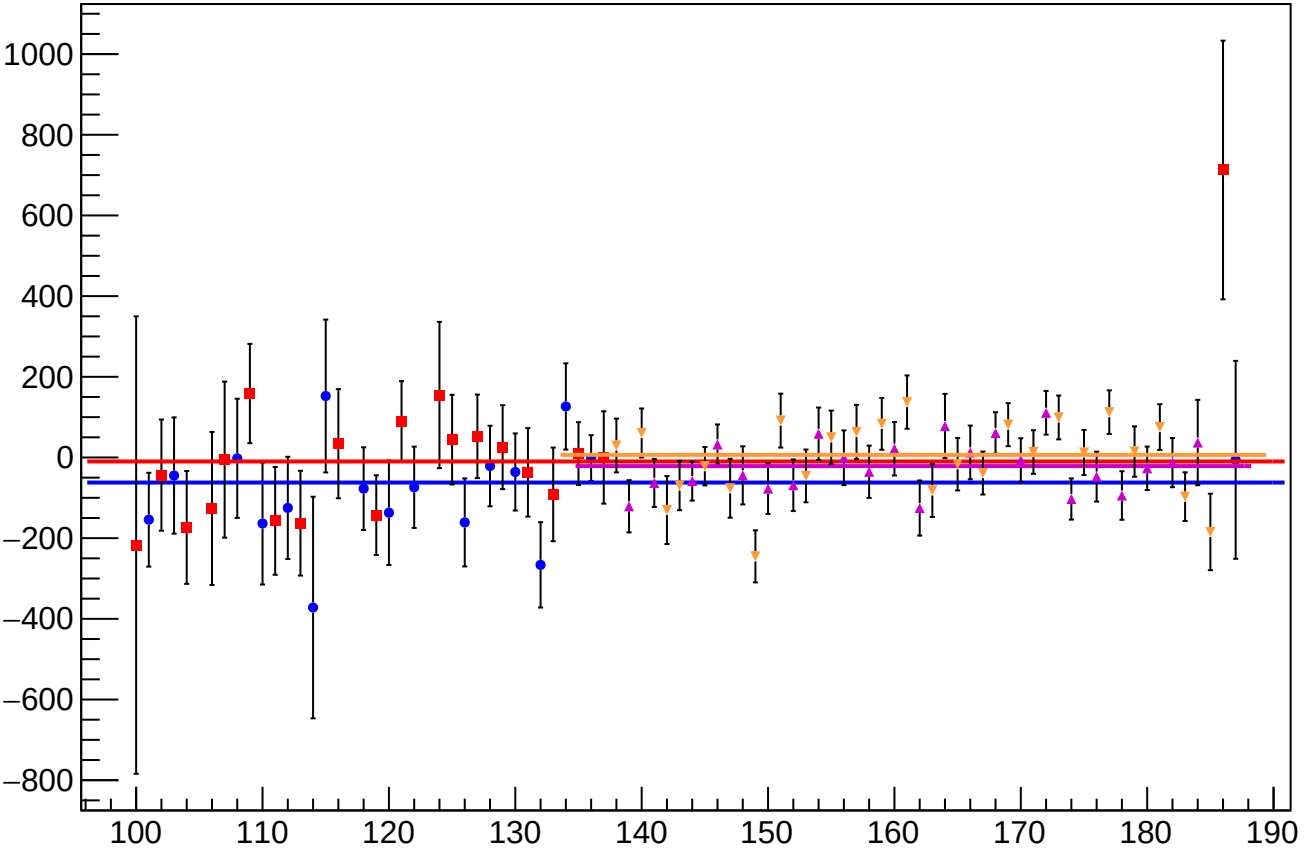
In: -0.000+/-0.000 χ^2/NDF:34.1/39

Out: -0.000+/-0.000 χ^2/NDF:32.8/44

All: -0.000+/-0.000 χ^2/NDF: 66.9/84


asym_sam_37_48_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
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2241457.5/16
Left Out: 0.000+/-0.000 χ²/NDF:1871499.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2146395.5/19
Left In: 0.000+/-0.000 χ²/NDF:976775.4/22
Left: 0.000+/-0.000 χ²/NDF: 2874002.6/47
Right: 0.000+/-0.000 χ²/NDF: 4398573.4/36
In: 0.000+/-0.000 χ²/NDF:3967504.2/39
Out: 0.000+/-0.000 χ²/NDF:4739713.1/44
All: 0.000+/-0.000 χ²/NDF: 8742461.0/84

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -62.105+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -9.865+/-27.666 χ^2/NDF: 16.6/19

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

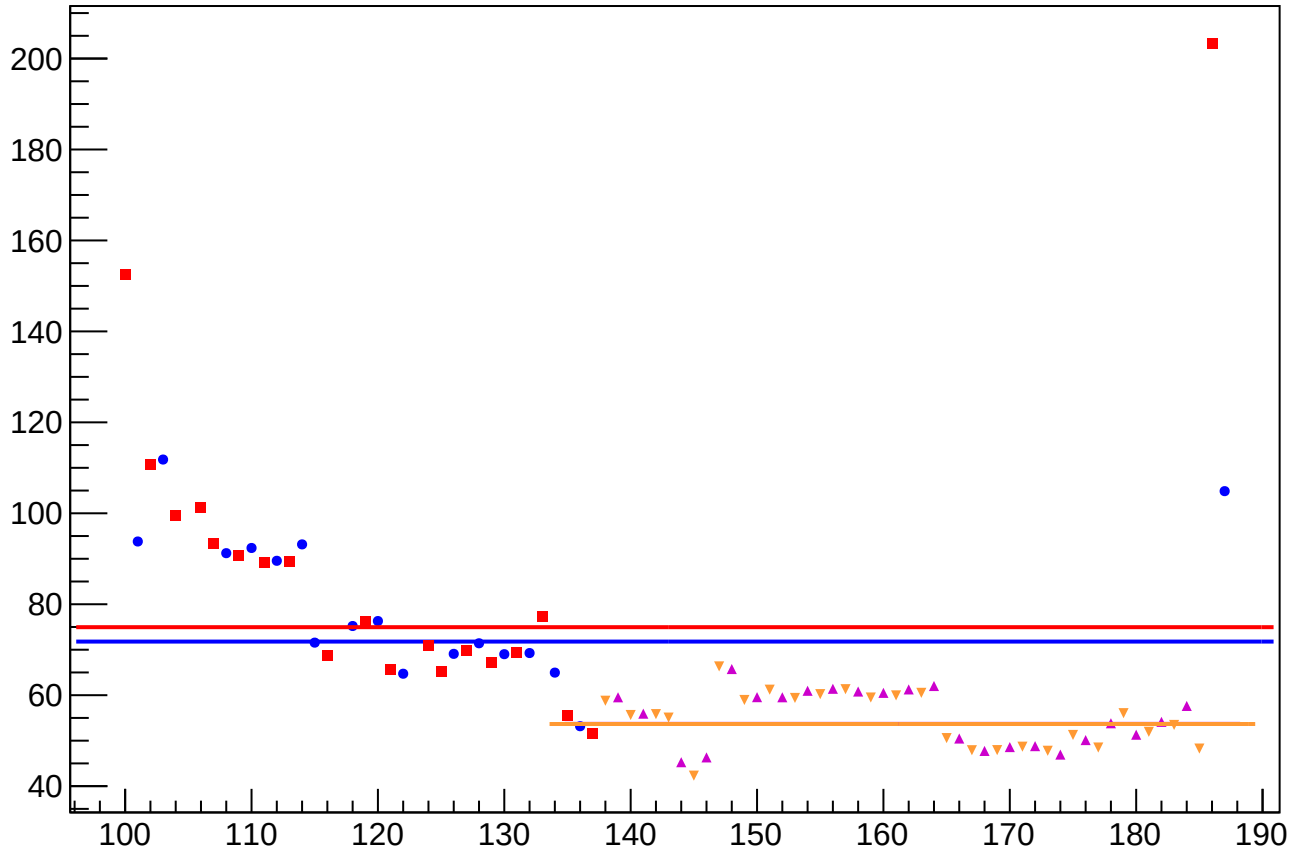
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -36.576+/-19.340 χ^2/NDF: 32.0/36

In: -28.652+/-11.458 χ^2/NDF:40.8/39

Out: 3.823+/-11.230 χ^2/NDF:67.5/44

All: -12.087+/-8.020 χ^2/NDF: 112.4/84



Right In: 71.790+/-0.019 χ^2/NDF: 627728.9/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 74.957+/-0.020 χ^2/NDF: 961255.3/19

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

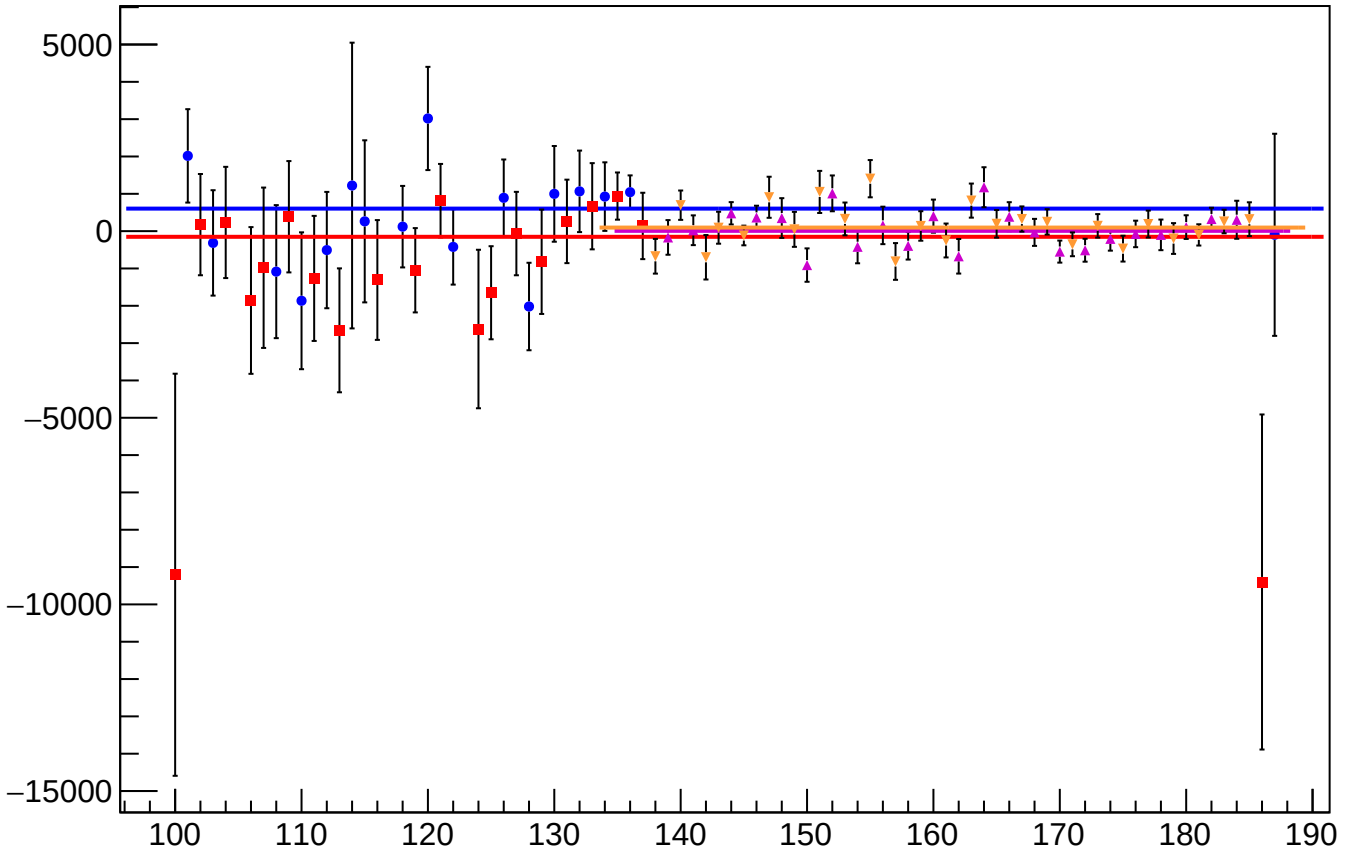
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 73.338+/-0.014 χ^2/NDF: 1602377.7/36

In: 56.942+/-0.008 χ^2/NDF:1833647.4/39

Out: 57.173+/-0.008 χ^2/NDF:2422776.3/44

All: 57.060+/-0.006 χ^2/NDF: 4256838.3/84



Right In: 603.743+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -151.741+/-283.743 χ^2/NDF: 19.8/19

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

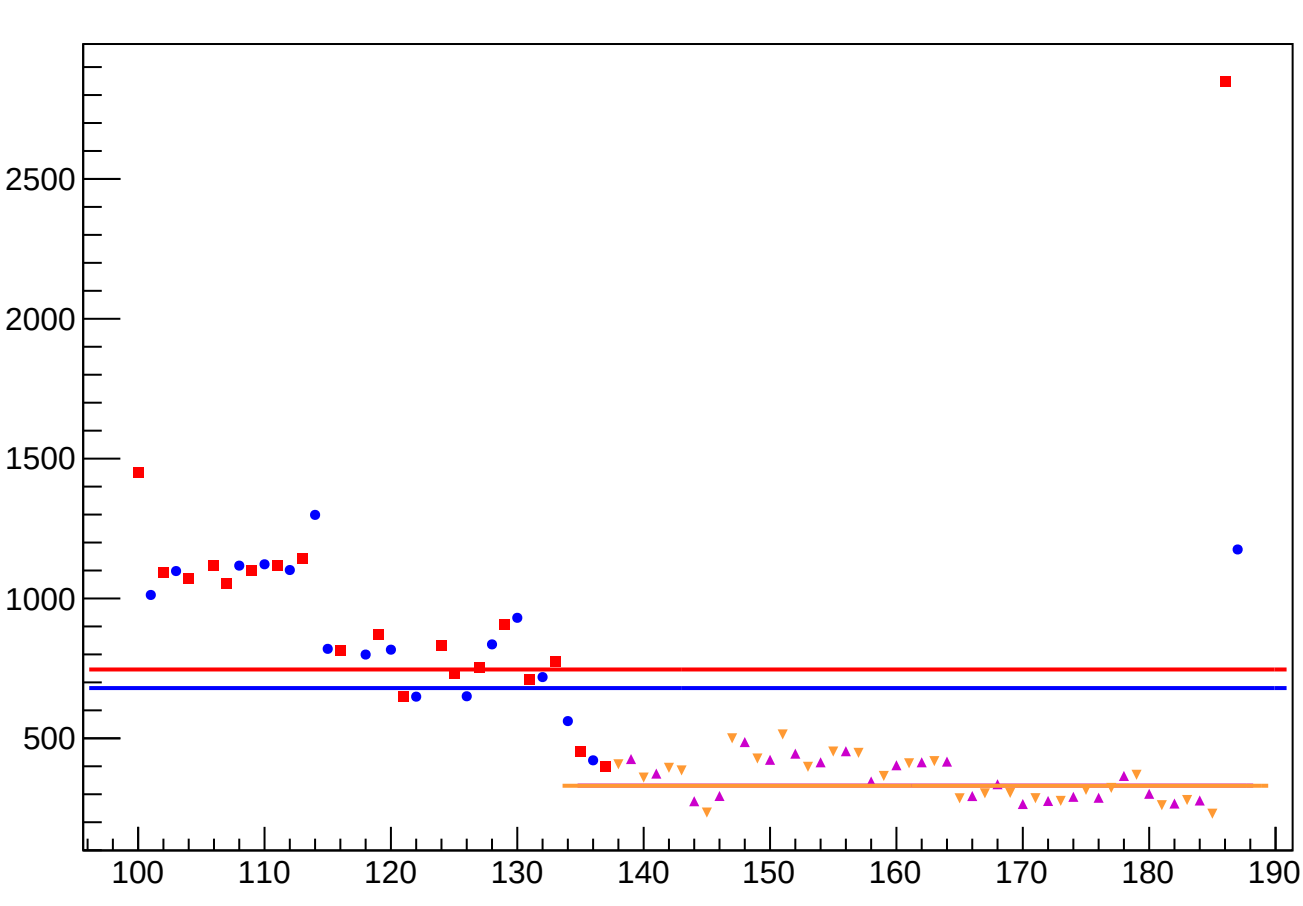
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 251.044+/-193.872 χ^2/NDF: 39.4/36

In: 56.480+/-75.830 χ^2/NDF:52.7/39

Out: 78.445+/-74.433 χ^2/NDF:53.7/44

All: 67.667+/-53.119 χ^2/NDF: 106.4/84



Right In: 679.643+/-0.188 χ^2/NDF: 1685255.8/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 746.108+/-0.201 χ^2/NDF: 1957199.7/19

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

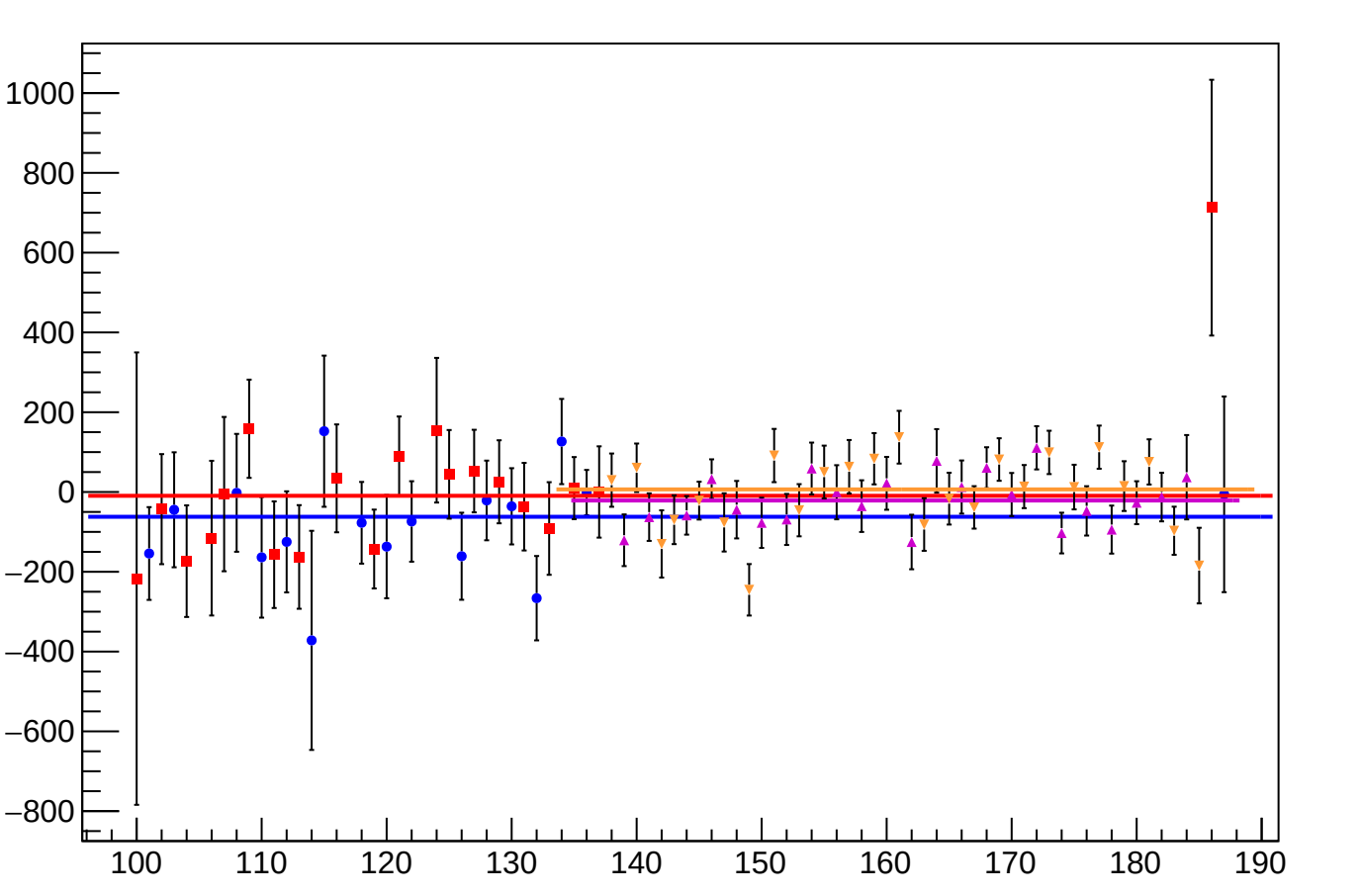
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 710.672+/-0.137 χ^2/NDF: 3700964.7/36

In: 359.491+/-0.054 χ^2/NDF:6176872.2/39

Out: 359.012+/-0.053 χ^2/NDF:7707119.8/44

All: 359.247+/-0.038 χ^2/NDF: 13884032.6/84



Right In: -62.096+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -9.506+/-27.679 χ^2/NDF: 16.5/19

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

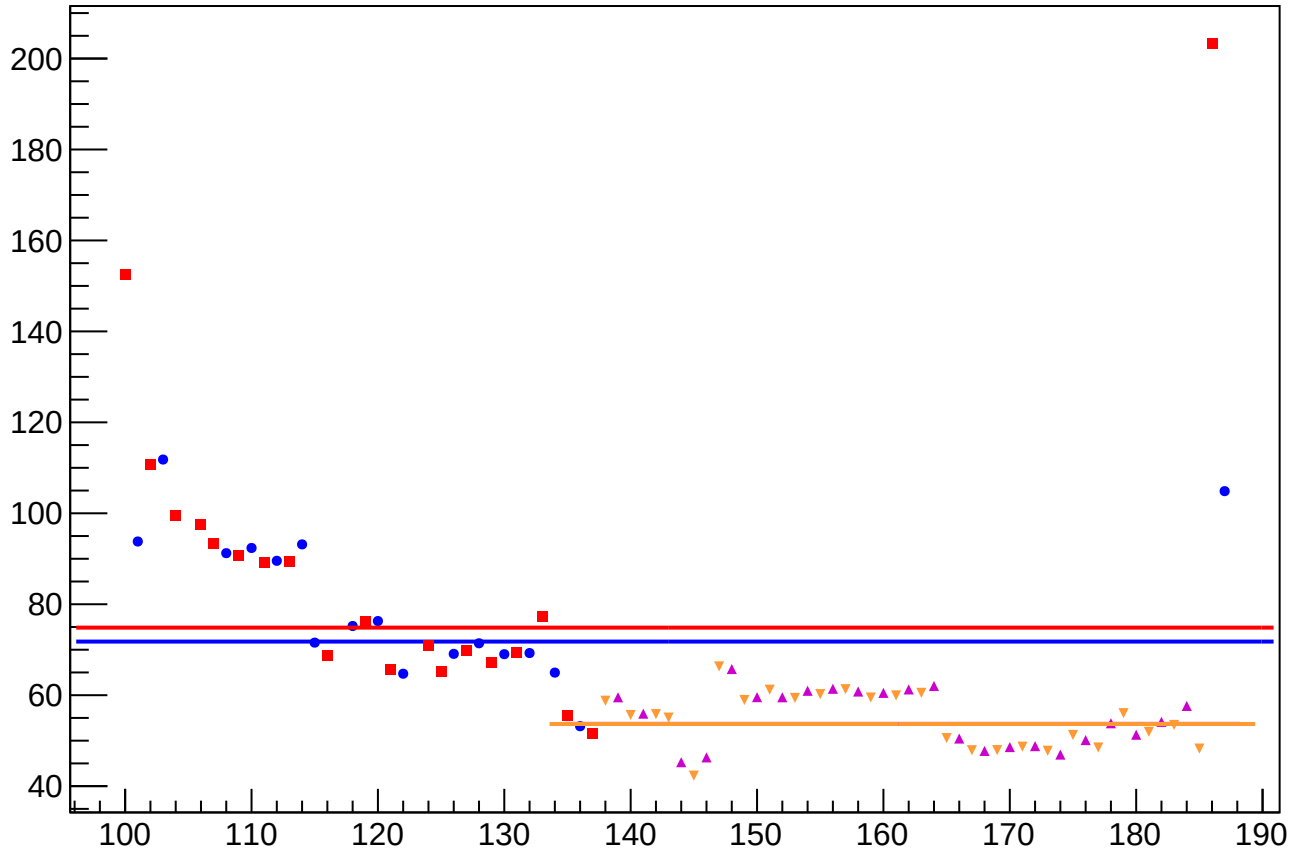
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -36.409+/-19.345 χ^2/NDF: 31.9/36

In: -28.650+/-11.458 χ^2/NDF:40.8/39

Out: 3.887+/-11.230 χ^2/NDF:67.4/44

All: -12.055+/-8.020 χ^2/NDF: 112.3/84



Right In: 71.790+/-0.019 χ^2/NDF: 627731.3/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 74.858+/-0.020 χ^2/NDF: 950320.2/19

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

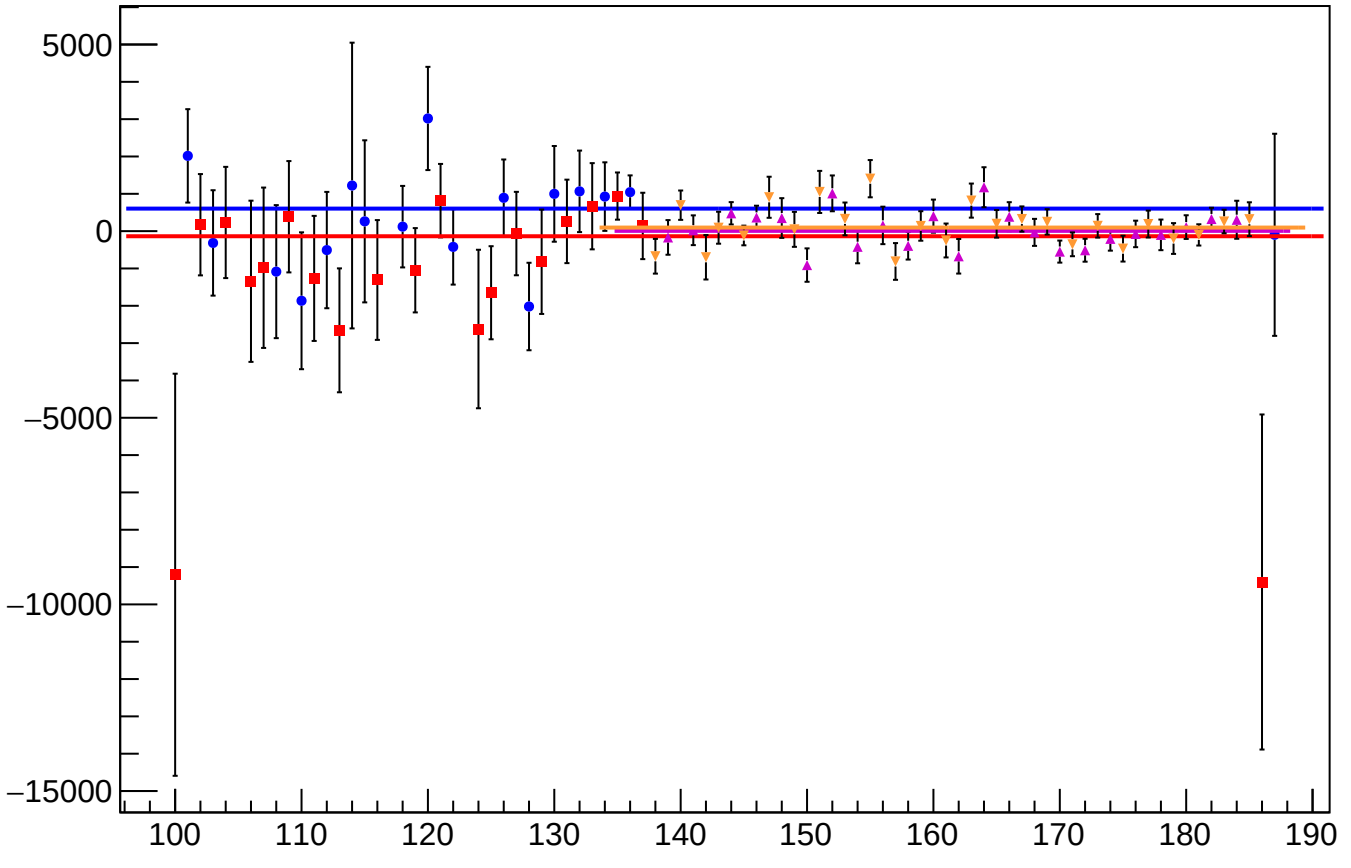
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 73.289+/-0.014 χ^2/NDF: 1590621.9/36

In: 56.942+/-0.008 χ^2/NDF:1833650.0/39

Out: 57.154+/-0.008 χ^2/NDF:2401971.6/44

All: 57.050+/-0.006 χ^2/NDF: 4235971.1/84



Right In: 603.732+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -136.860+/-284.259 χ^2/NDF: 19.4/19

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

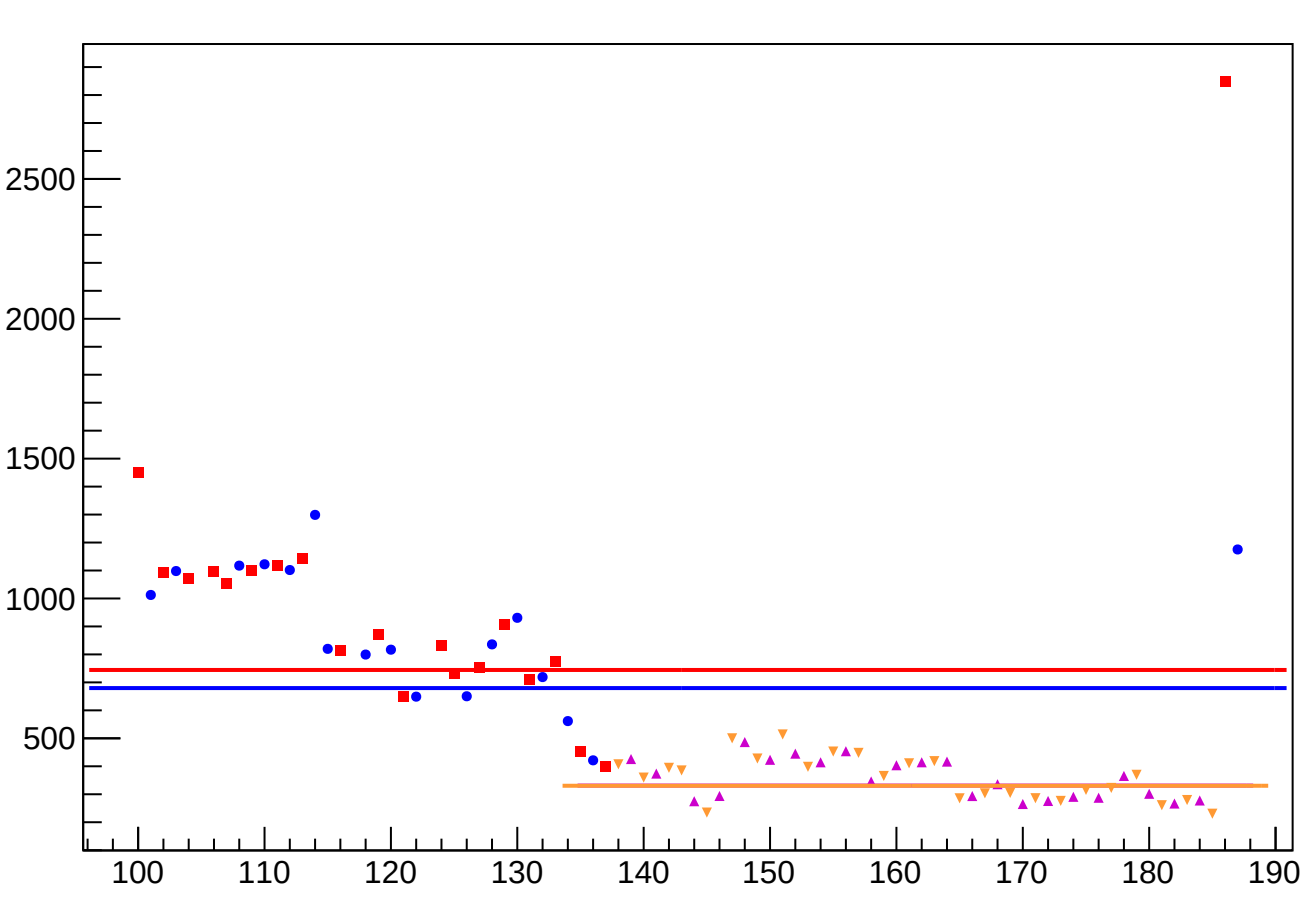
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 258.655+/-194.036 χ^2/NDF: 38.8/36

In: 56.476+/-75.830 χ^2/NDF:52.7/39

Out: 79.526+/-74.442 χ^2/NDF:53.2/44

All: 68.214+/-53.122 χ^2/NDF: 105.9/84



Right In: 679.643+/-0.188 χ^2/NDF: 1685281.0/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 744.392+/-0.201 χ^2/NDF: 1938154.0/19

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

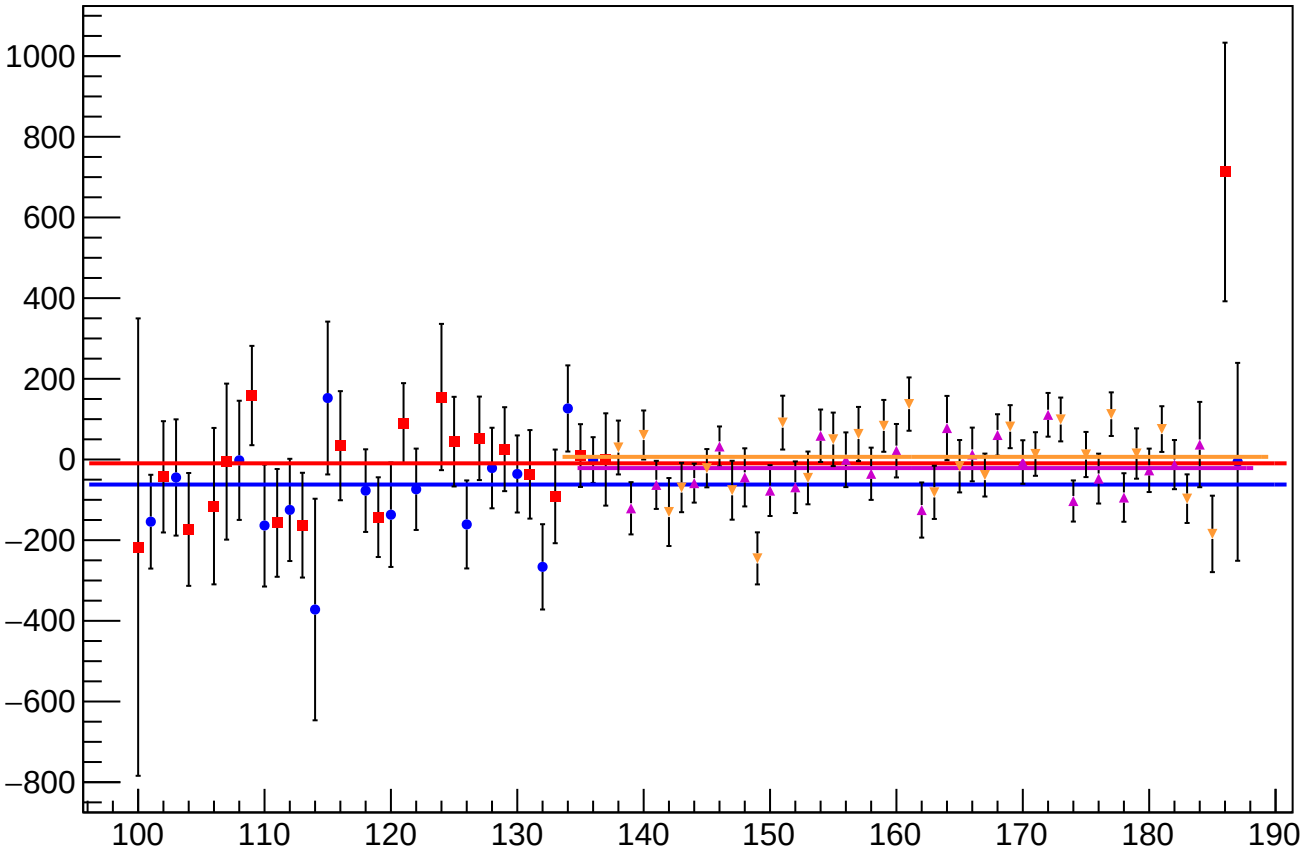
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 709.812+/-0.137 χ^2/NDF: 3678852.2/36

In: 359.490+/-0.054 χ^2/NDF:6176903.1/39

Out: 358.797+/-0.053 χ^2/NDF:7641722.7/44

All: 359.137+/-0.038 χ^2/NDF: 13818710.9/84



Right In: -62.096+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -9.506+/-27.679 χ^2/NDF: 16.5/19

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

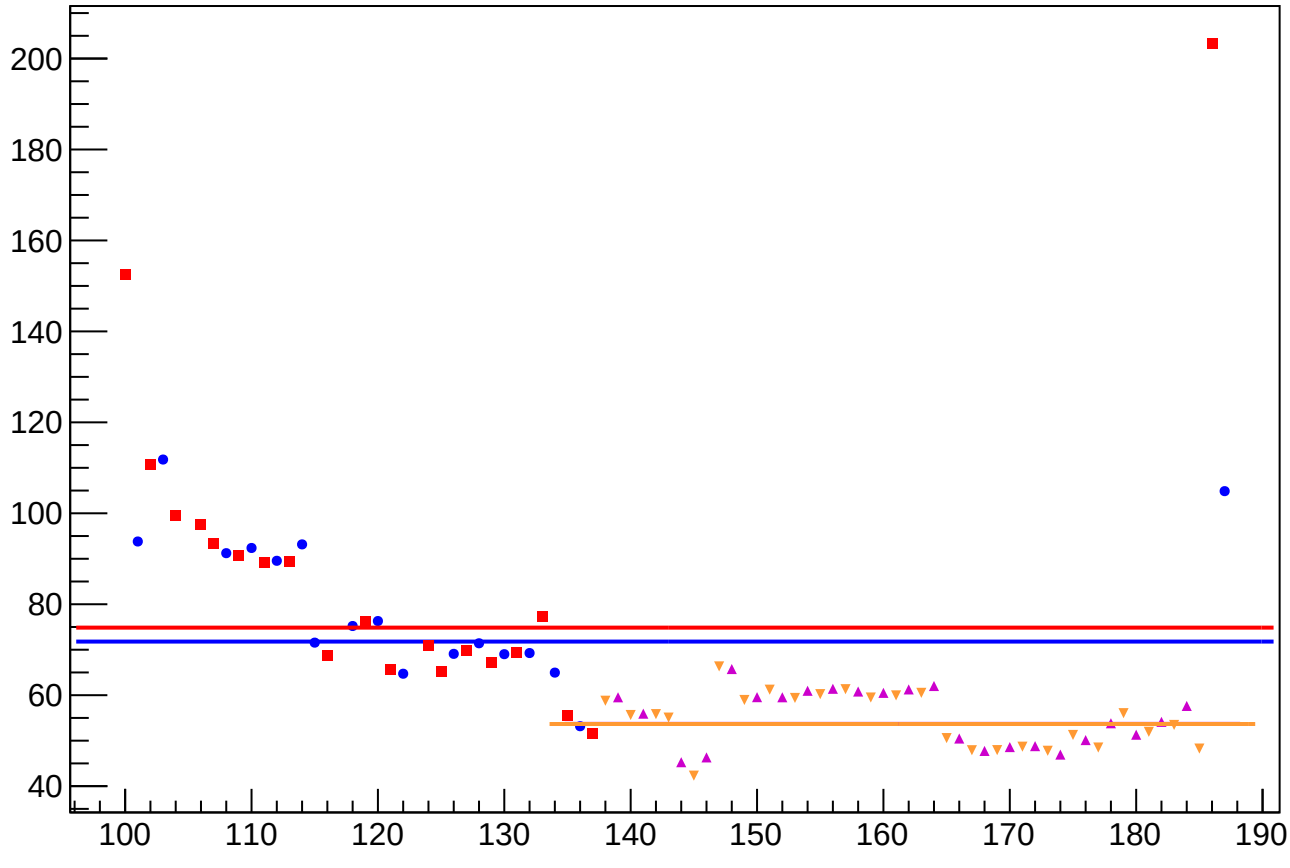
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -36.409+/-19.345 χ^2/NDF: 31.9/36

In: -28.650+/-11.458 χ^2/NDF:40.8/39

Out: 3.887+/-11.230 χ^2/NDF:67.4/44

All: -12.055+/-8.020 χ^2/NDF: 112.3/84



Right In: 71.790+/-0.019 χ^2/NDF: 627731.3/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 74.858+/-0.020 χ^2/NDF: 950320.2/19

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

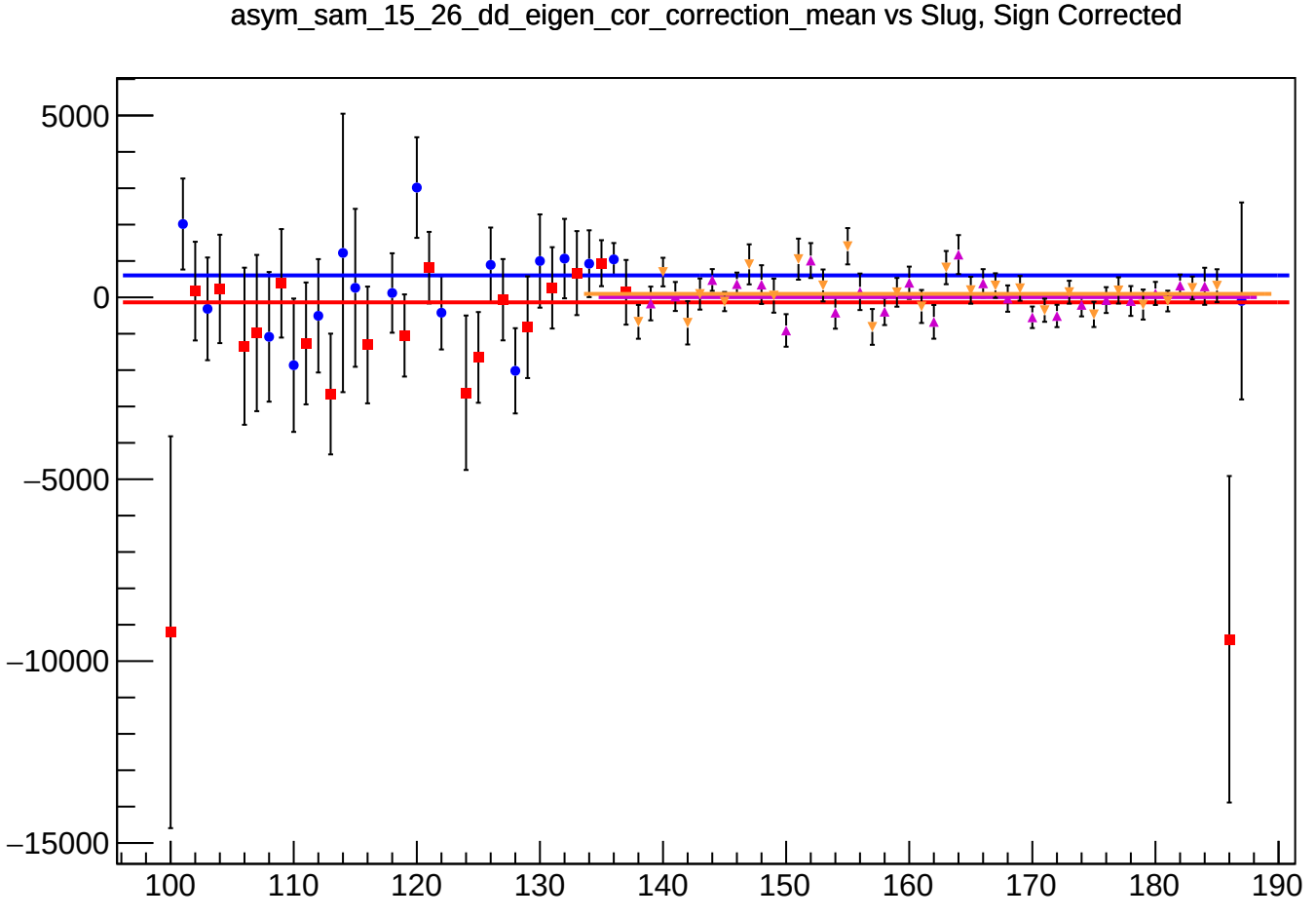
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 73.289+/-0.014 χ^2/NDF: 1590621.9/36

In: 56.942+/-0.008 χ^2/NDF:1833650.0/39

Out: 57.154+/-0.008 χ^2/NDF:2401971.6/44

All: 57.050+/-0.006 χ^2/NDF: 4235971.1/84



Right In: 603.732+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -136.860+/-284.259 χ^2/NDF: 19.4/19

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

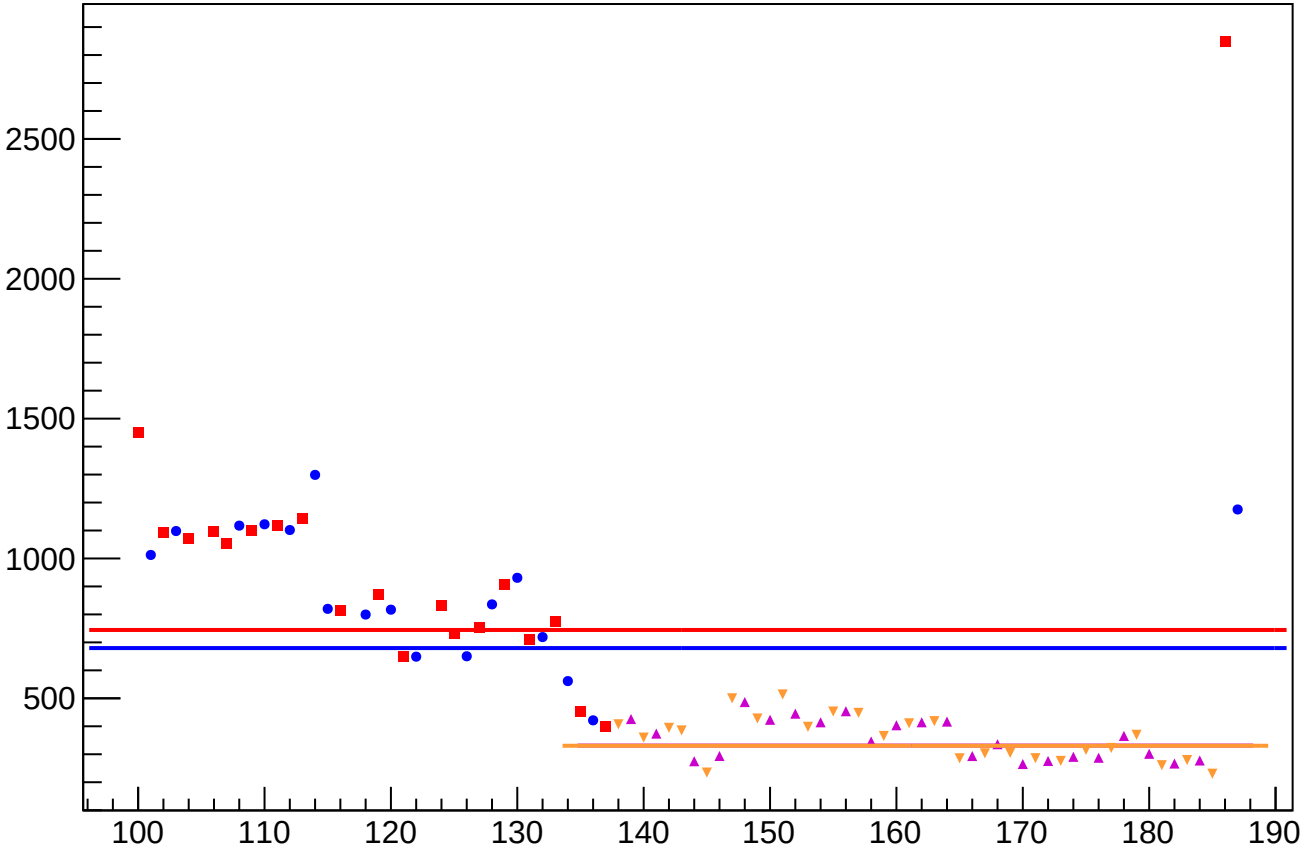
Right: 258.655+/-194.036 χ^2/NDF: 38.8/36

In: 56.476+/-75.830 χ^2/NDF:52.7/39

Out: 79.526+/-74.442 χ^2/NDF:53.2/44

All: 68.214+/-53.122 χ^2/NDF: 105.9/84

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.643+/-0.188 χ^2/NDF: 1685281.0/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 744.392+/-0.201 χ^2/NDF: 1938154.0/19

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

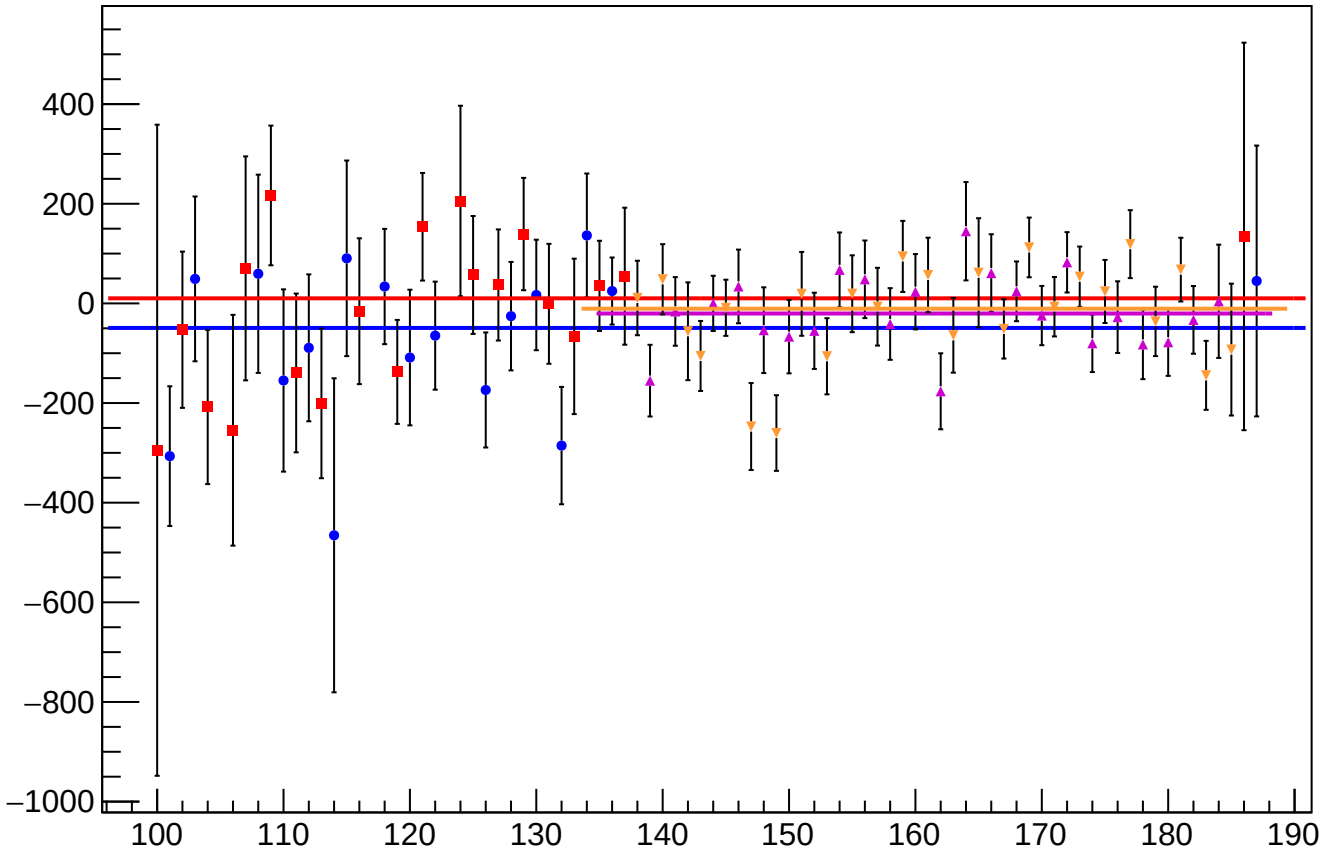
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 709.812+/-0.137 χ^2/NDF: 3678852.2/36

In: 359.490+/-0.054 χ^2/NDF:6176903.1/39

Out: 358.797+/-0.053 χ^2/NDF:7641722.7/44

All: 359.137+/-0.038 χ^2/NDF: 13818710.9/84



Right In: -49.235+/-30.860 χ^2/NDF: 16.5/16

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 10.182+/-31.134 χ^2/NDF: 15.7/19

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

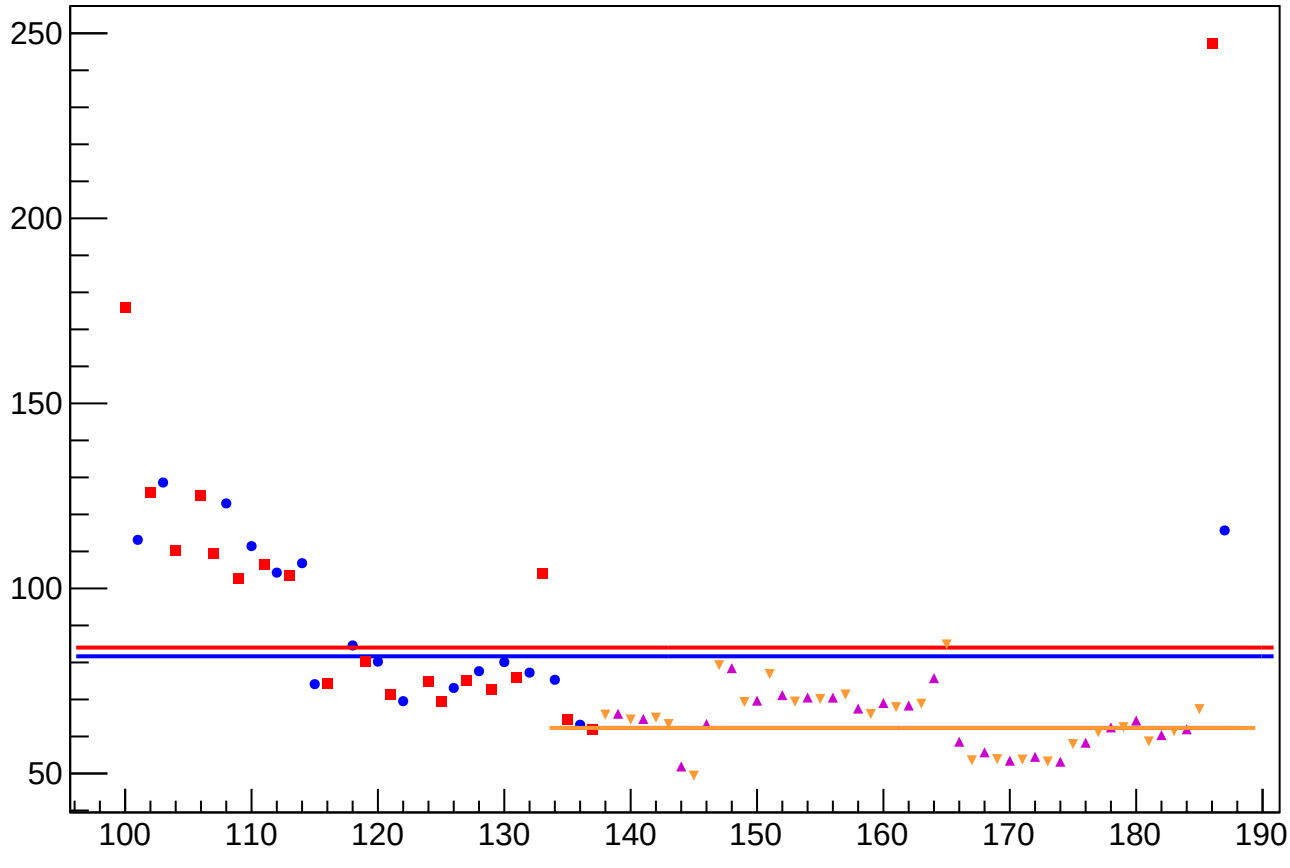
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -19.789+/-21.918 χ^2/NDF: 34.1/36

In: -25.686+/-13.308 χ^2/NDF:38.9/39

Out: -6.987+/-13.003 χ^2/NDF:58.2/44

All: -16.119+/-9.300 χ^2/NDF: 98.2/84



Right In: 81.662+/-0.022 χ^2/NDF: 694597.4/16

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 84.023+/-0.022 χ^2/NDF: 1084680.4/19

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

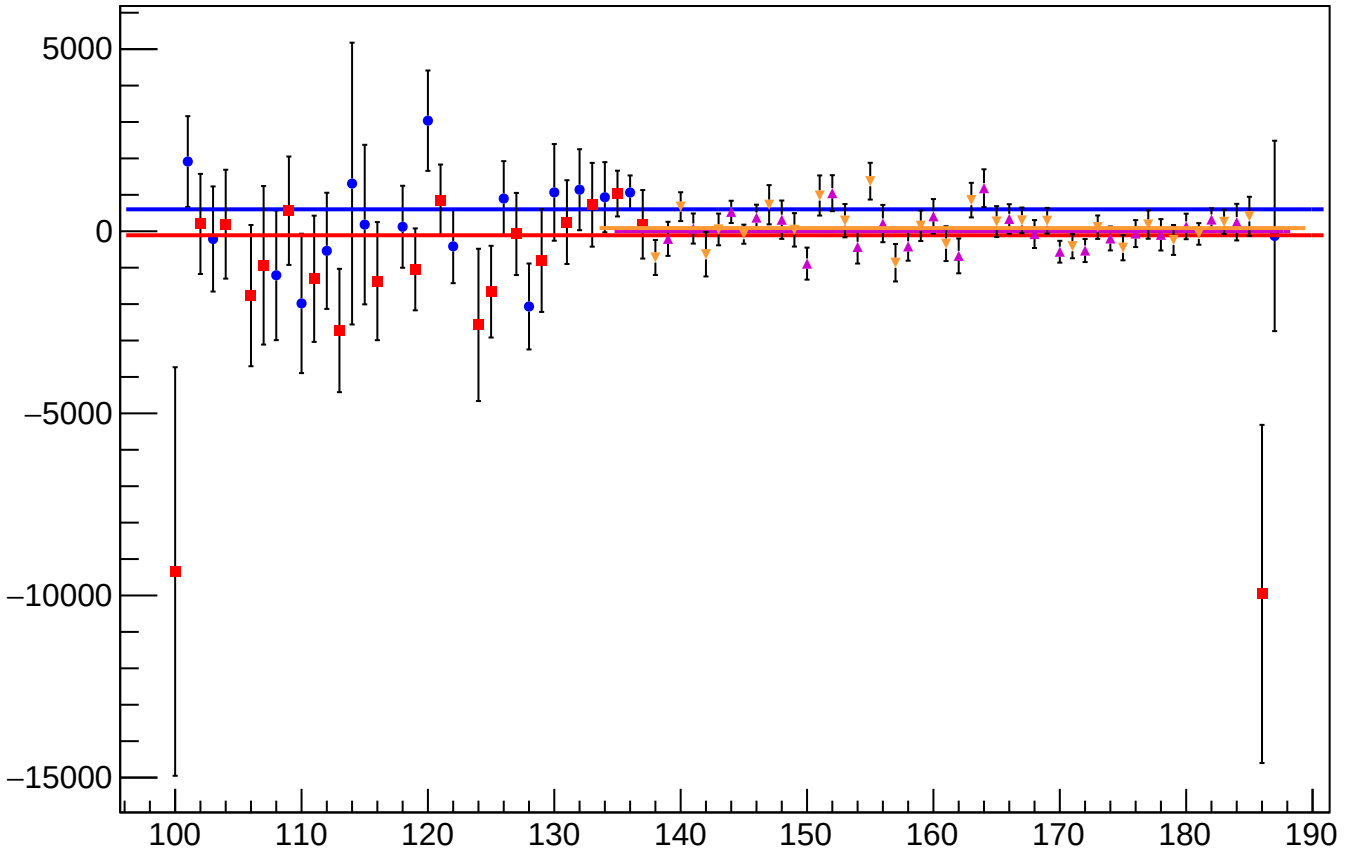
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 82.832+/-0.015 χ^2/NDF: 1785079.6/36

In: 65.909+/-0.009 χ^2/NDF:1819343.5/39

Out: 66.102+/-0.009 χ^2/NDF:2523562.1/44

All: 66.008+/-0.007 χ^2/NDF: 4343121.6/84



Right In: 602.357+/-272.489 χ^2/NDF: 15.9/16

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -109.899+/-286.284 χ^2/NDF: 20.7/19

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

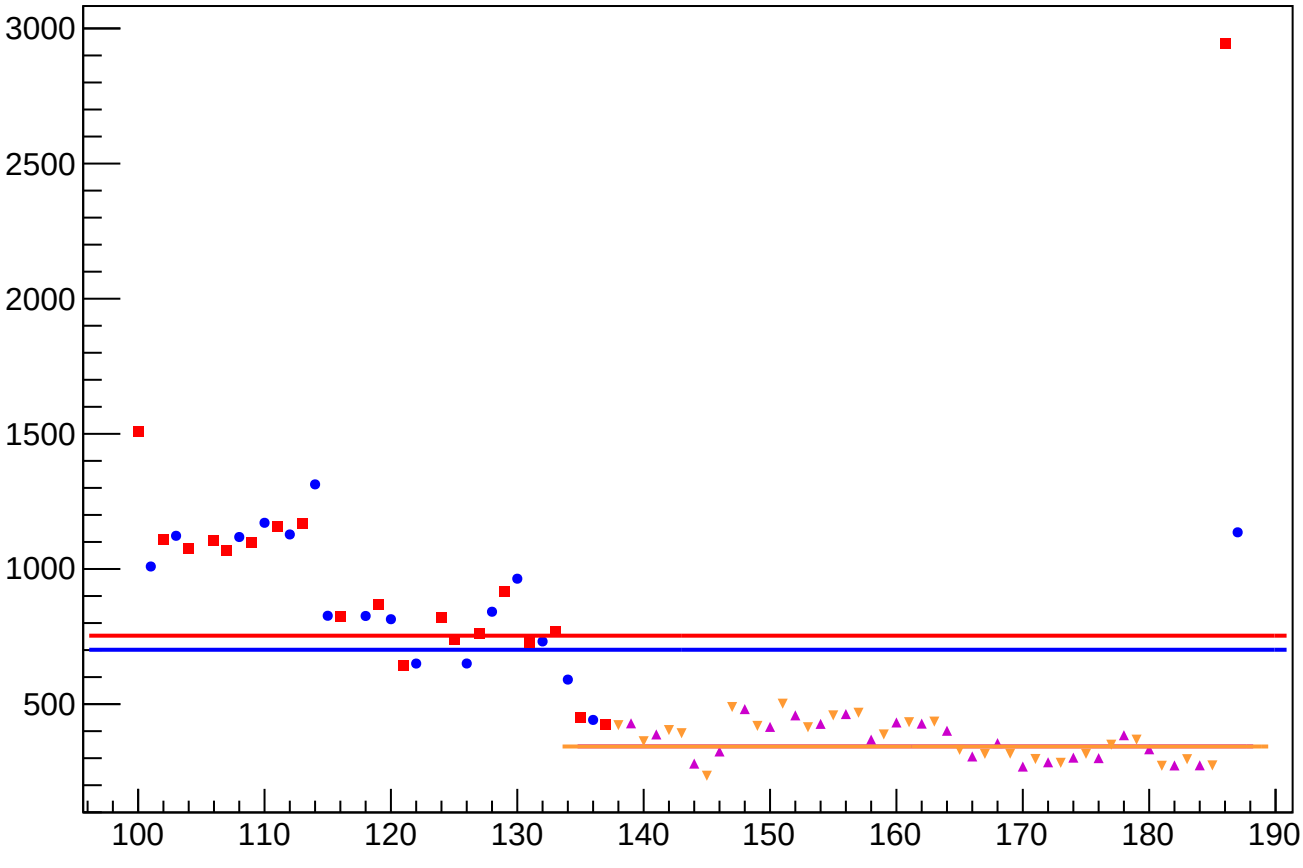
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 263.803+/-197.376 χ^2/NDF: 39.8/36

In: 56.099+/-78.619 χ^2/NDF:52.7/39

Out: 72.778+/-76.902 χ^2/NDF:52.8/44

All: 64.622+/-54.975 χ^2/NDF: 105.5/84



Right In: 701.144+/-0.193 χ^2/NDF: 1571341.3/16

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 753.237+/-0.202 χ^2/NDF: 1945397.4/19

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

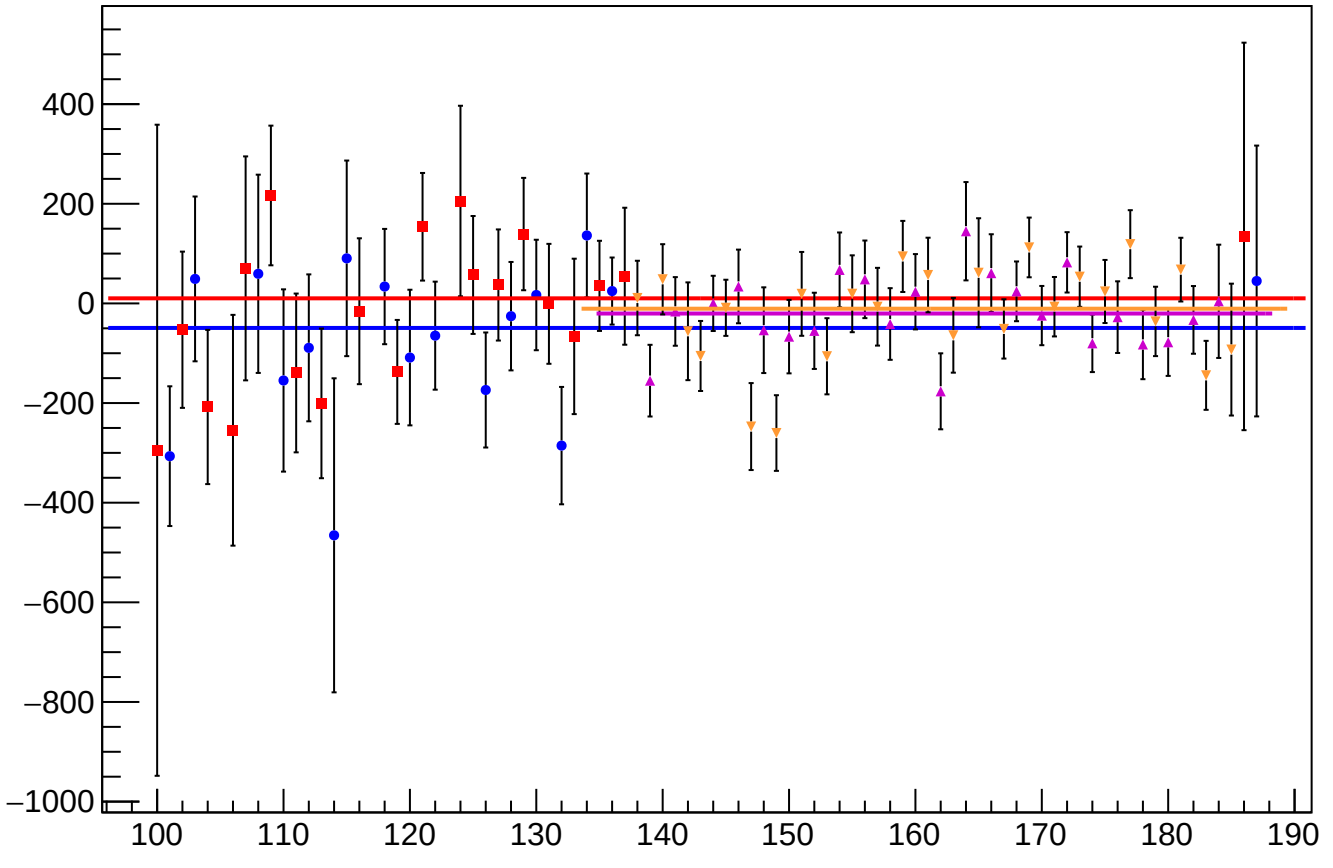
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 725.905+/-0.140 χ^2/NDF: 3551482.8/36

In: 373.471+/-0.056 χ^2/NDF:5984428.8/39

Out: 372.810+/-0.054 χ^2/NDF:7347082.0/44

All: 373.133+/-0.039 χ^2/NDF: 13331582.9/84



Right In: -49.235+/-30.860 χ^2/NDF: 16.5/16

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 10.182+/-31.134 χ^2/NDF: 15.7/19

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

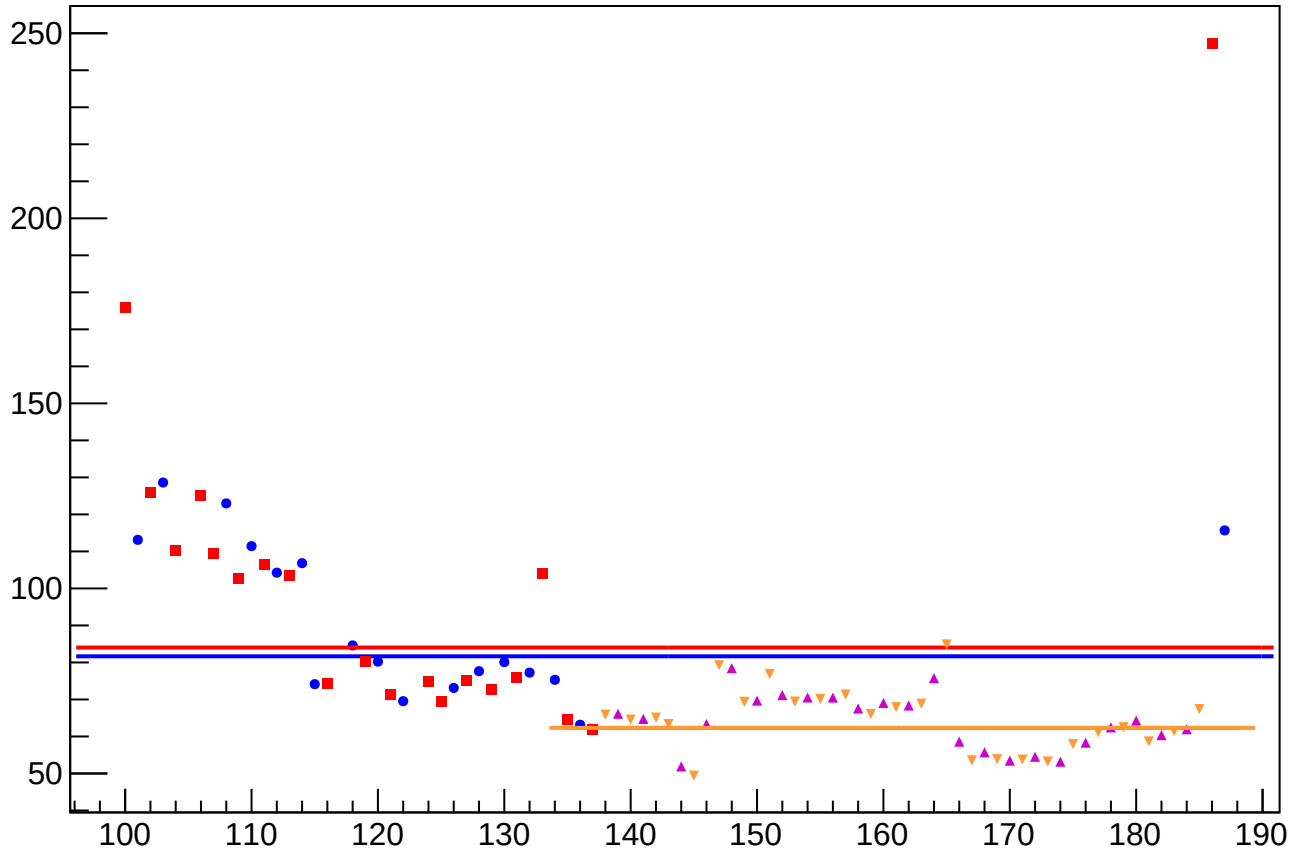
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -19.789+/-21.918 χ^2/NDF: 34.1/36

In: -25.686+/-13.308 χ^2/NDF:38.9/39

Out: -6.986+/-13.003 χ^2/NDF:58.2/44

All: -16.119+/-9.300 χ^2/NDF: 98.2/84



Right In: 81.662+/-0.022 χ^2/NDF: 694586.8/16

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 84.023+/-0.022 χ^2/NDF: 1084657.6/19

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

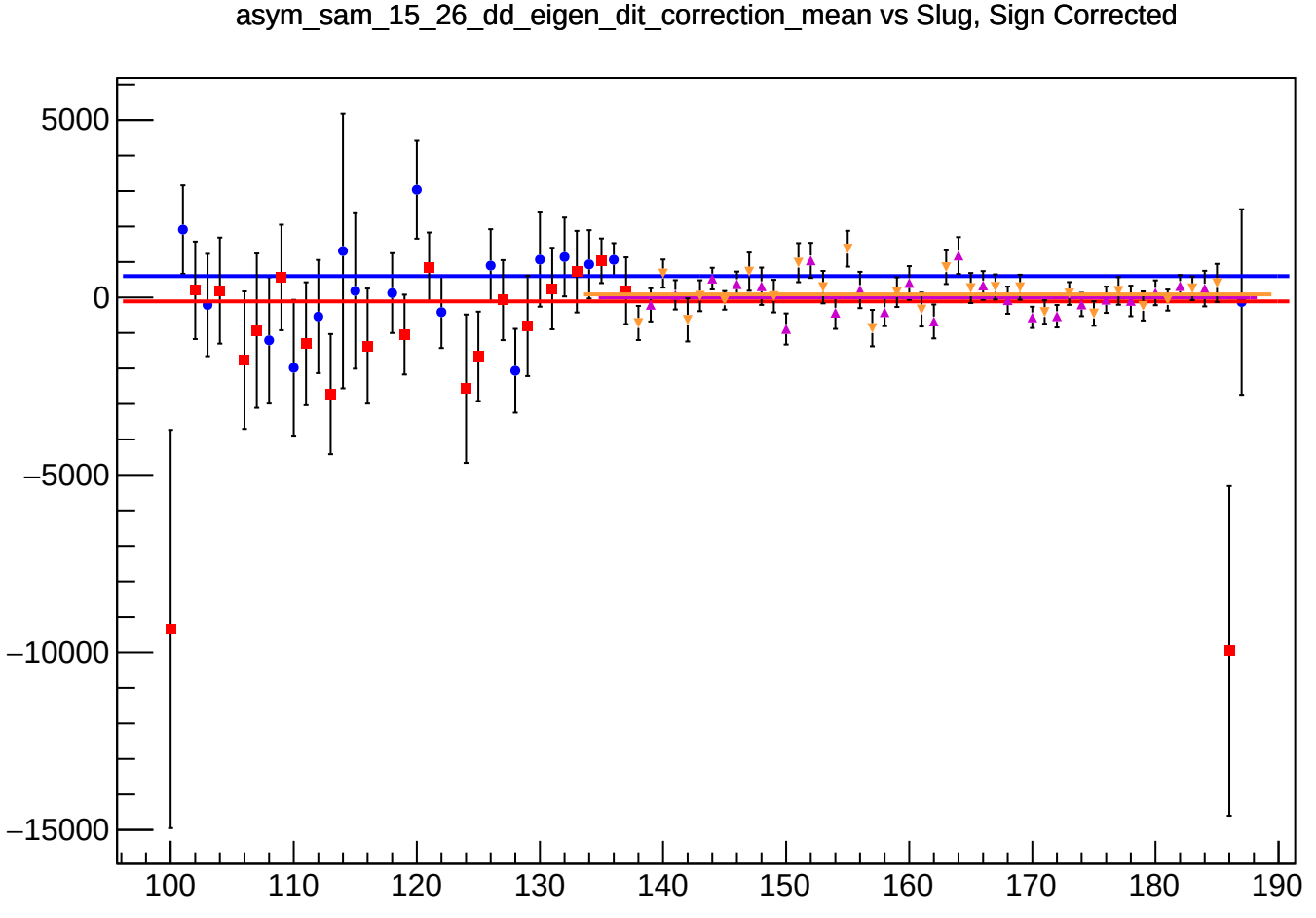
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 82.832+/-0.015 χ^2/NDF: 1785047.1/36

In: 65.909+/-0.009 χ^2/NDF:1819289.0/39

Out: 66.102+/-0.009 χ^2/NDF:2523517.6/44

All: 66.008+/-0.007 χ^2/NDF: 4343022.5/84



Right In: 602.356+/-272.489 χ^2/NDF: 15.9/16

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -109.901+/-286.284 χ^2/NDF: 20.7/19

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

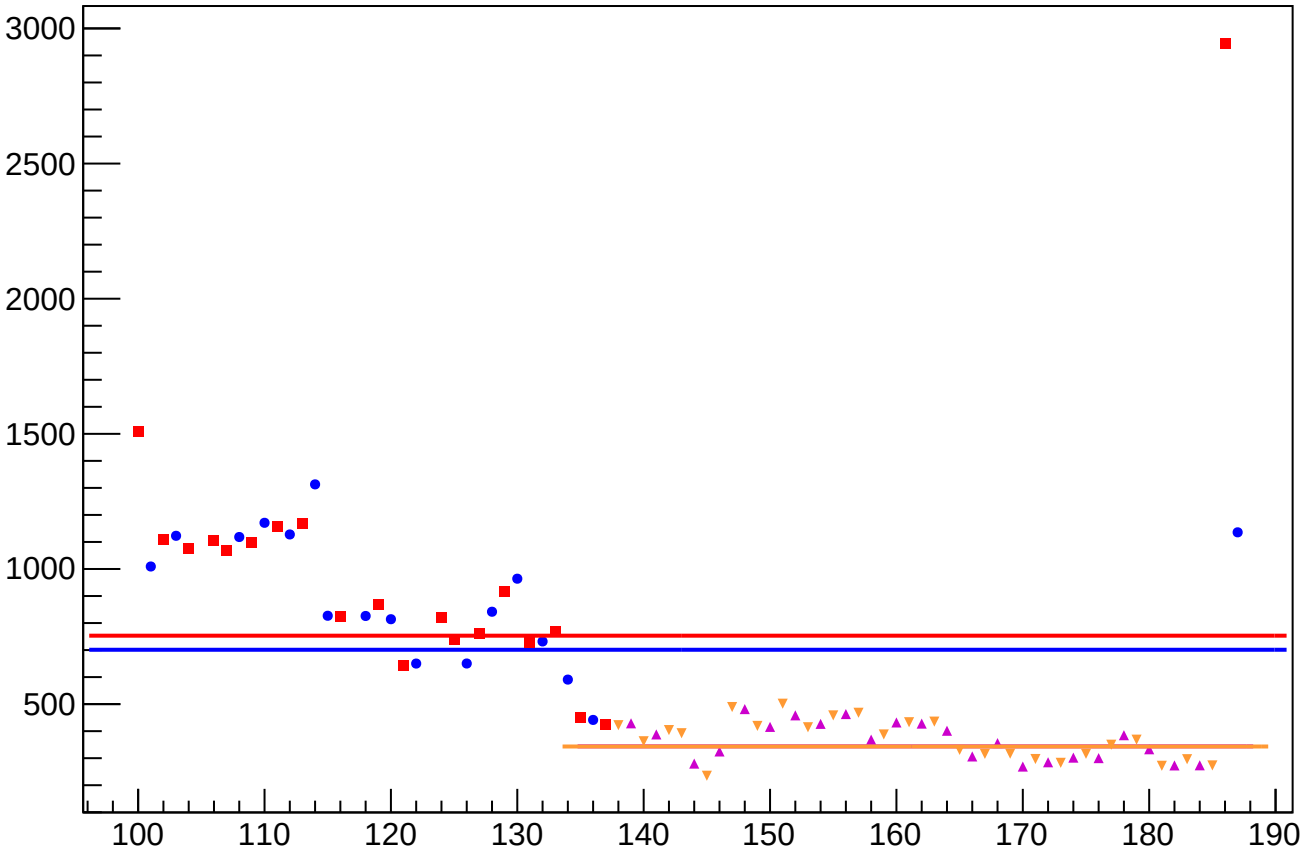
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 263.801+/-197.375 χ^2/NDF: 39.8/36

In: 56.099+/-78.619 χ^2/NDF:52.7/39

Out: 72.778+/-76.902 χ^2/NDF:52.8/44

All: 64.623+/-54.975 χ^2/NDF: 105.5/84



Right In: 701.143+/-0.193 χ^2/NDF: 1571325.3/16

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 753.236+/-0.202 χ^2/NDF: 1945383.8/19

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

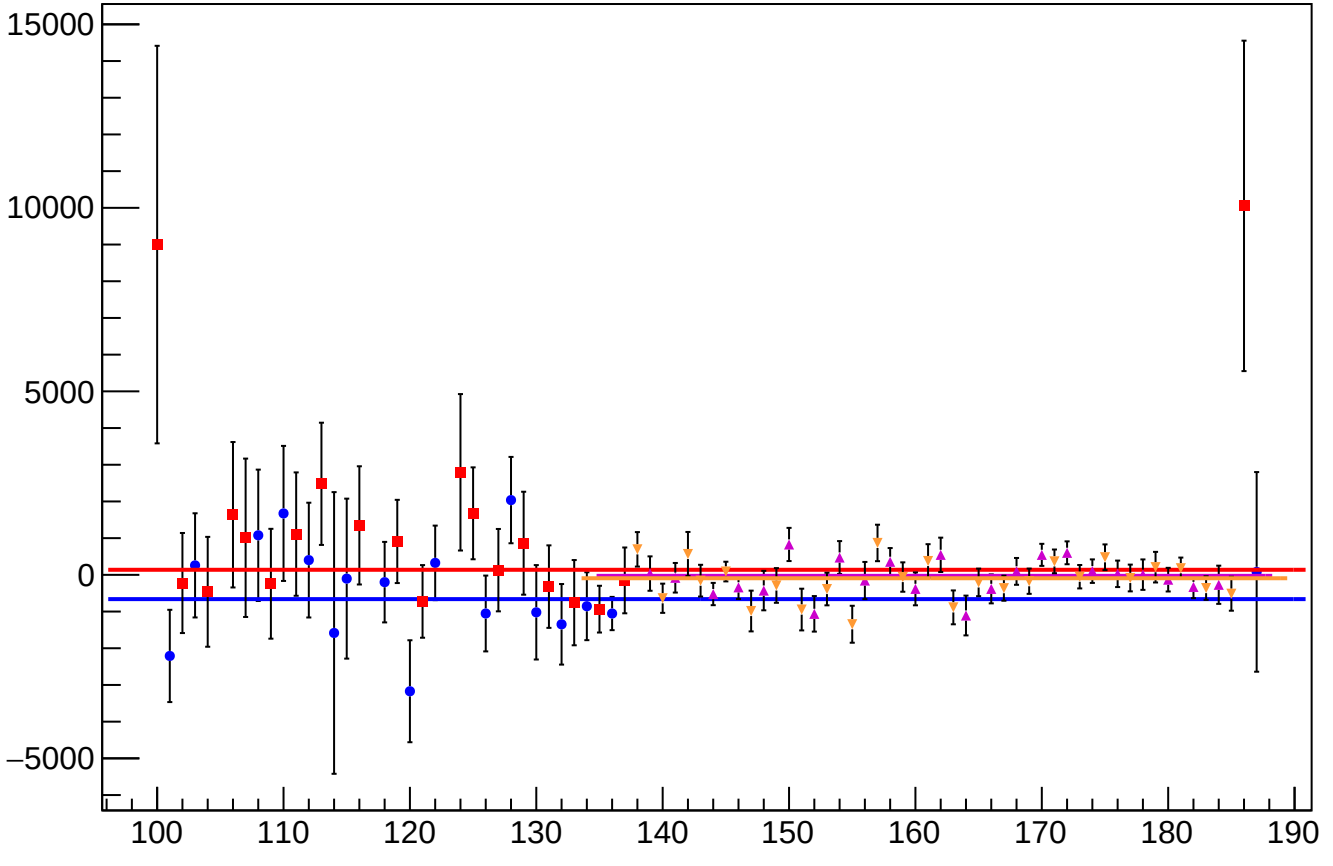
Right: 725.904+/-0.140 χ^2/NDF: 3551453.1/36

In: 373.471+/-0.056 χ^2/NDF:5984419.7/39

Out: 372.811+/-0.054 χ^2/NDF:7347081.3/44

All: 373.133+/-0.039 χ^2/NDF: 13331573.1/84

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -661.277+/-267.154 χ^2/NDF: 16.2/16

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 137.992+/-285.307 χ^2/NDF: 19.7/19

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

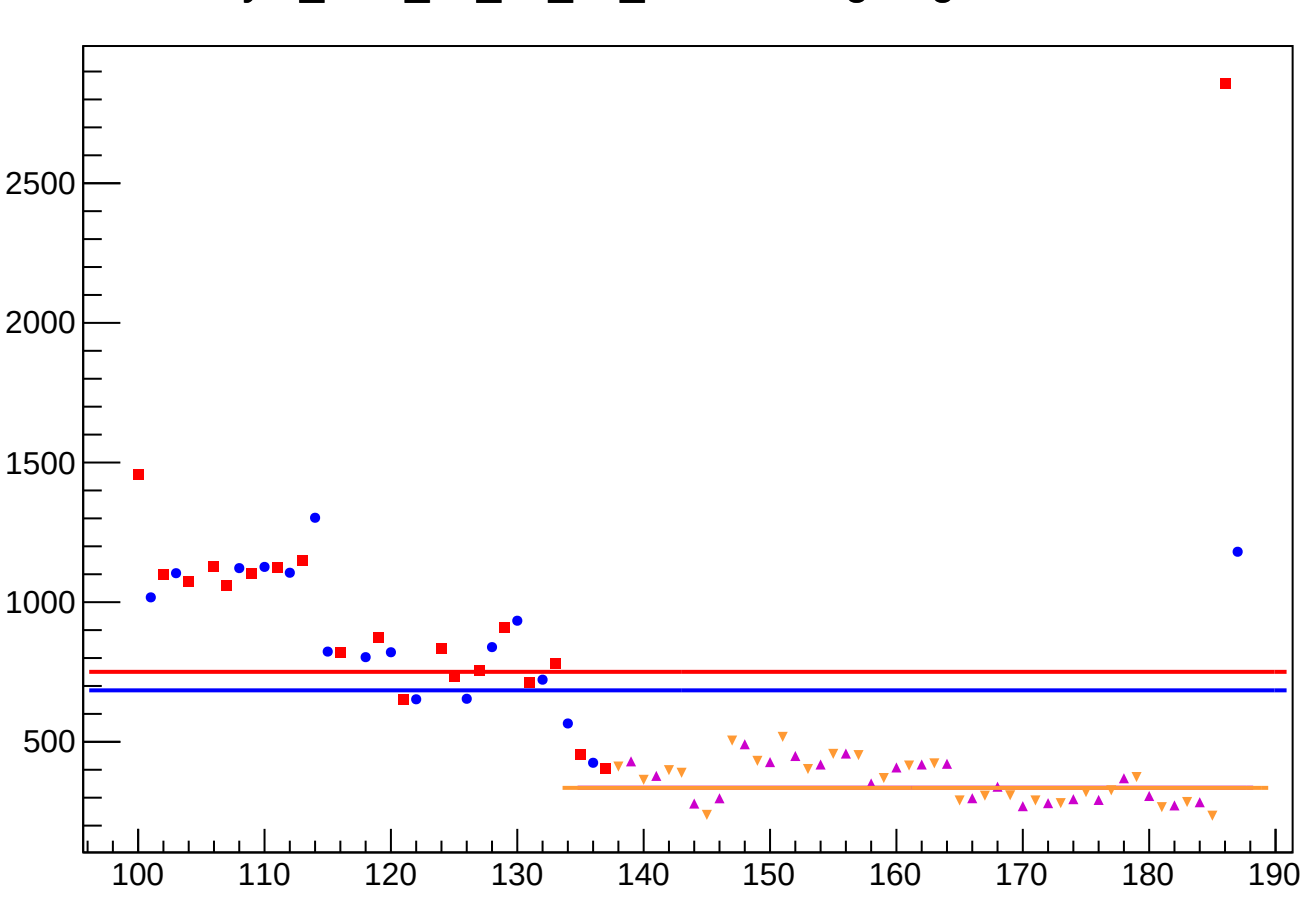
Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

Right: -287.876+/-195.008 χ^2/NDF: 40.1/36

In: -79.604+/-76.820 χ^2/NDF:52.3/39

Out: -76.559+/-75.404 χ^2/NDF:54.5/44

All: -78.053+/-53.812 χ^2/NDF: 106.8/84



Right In: 684.303+/-0.189 χ^2/NDF: 1668147.8/16

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 750.575+/-0.202 χ^2/NDF: 1944010.9/19

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

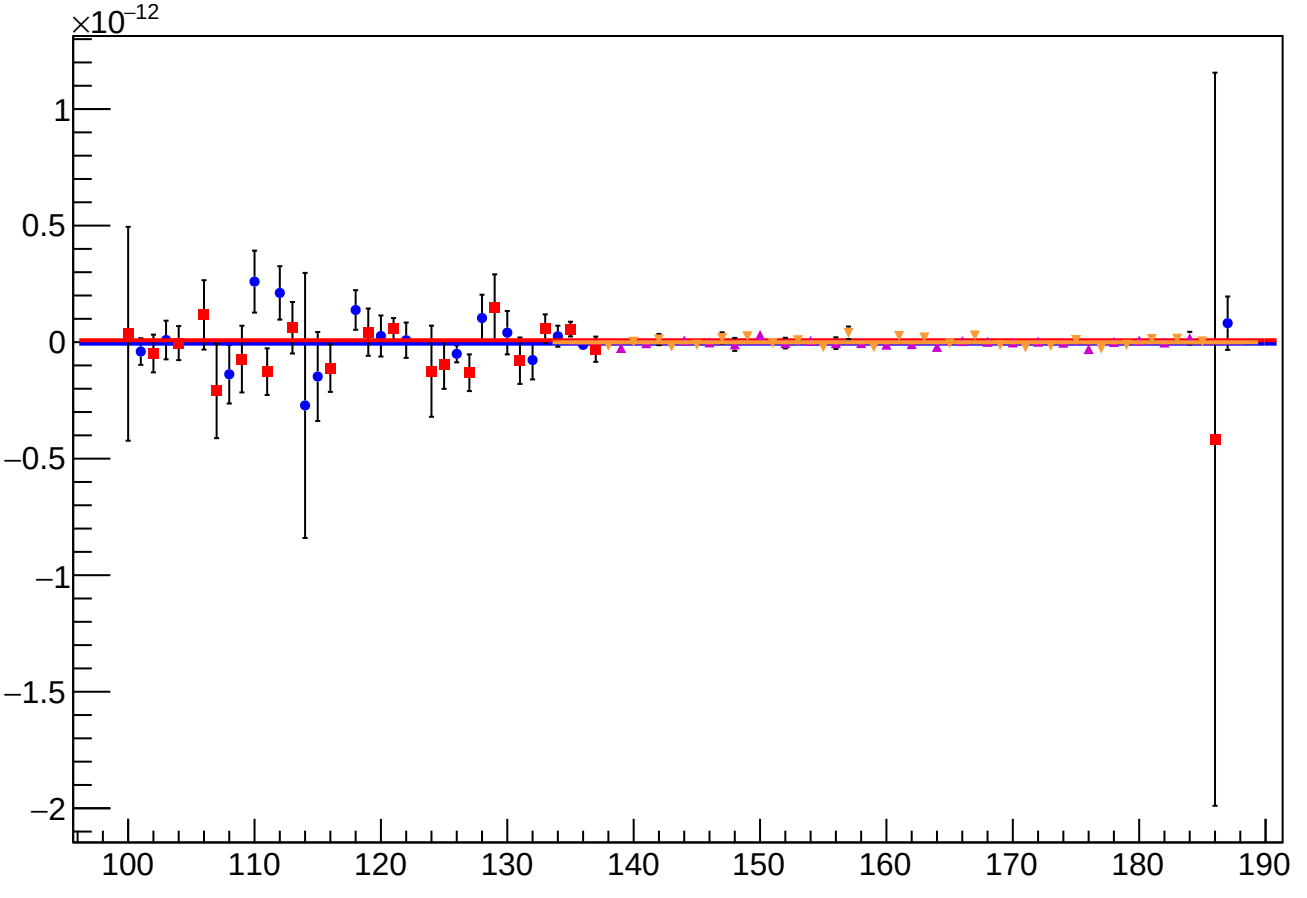
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 715.264+/-0.138 χ^2/NDF: 3669656.6/36

In: 364.604+/-0.054 χ^2/NDF:6081786.4/39

Out: 364.167+/-0.053 χ^2/NDF:7594100.0/44

All: 364.382+/-0.038 χ^2/NDF: 13675919.3/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

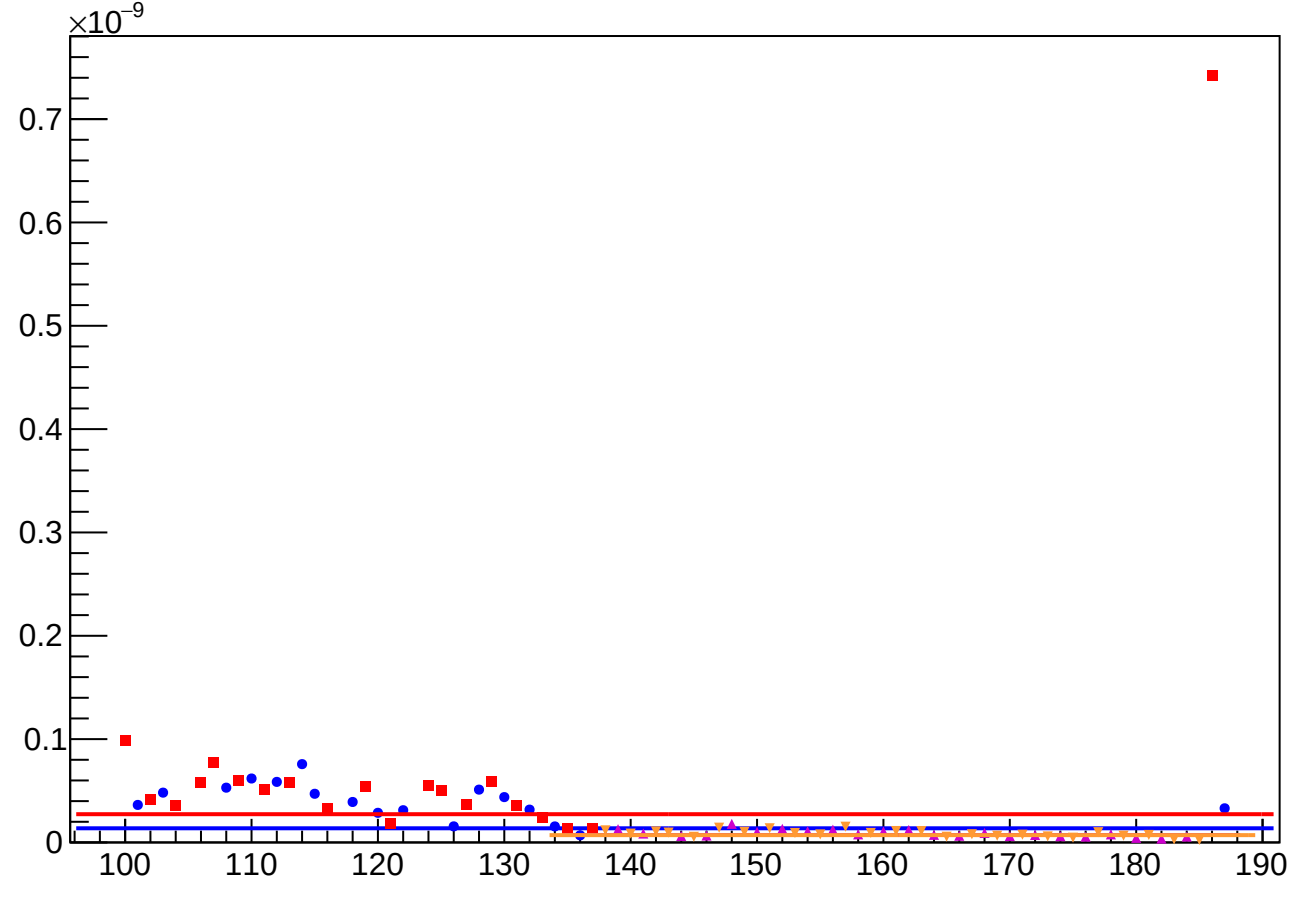
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 35.4/36

In: -0.000+/-0.000 χ^2/NDF:32.8/39

Out: -0.000+/-0.000 χ^2/NDF:50.6/44

All: -0.000+/-0.000 χ^2/NDF: 83.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 3102751.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2149031.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

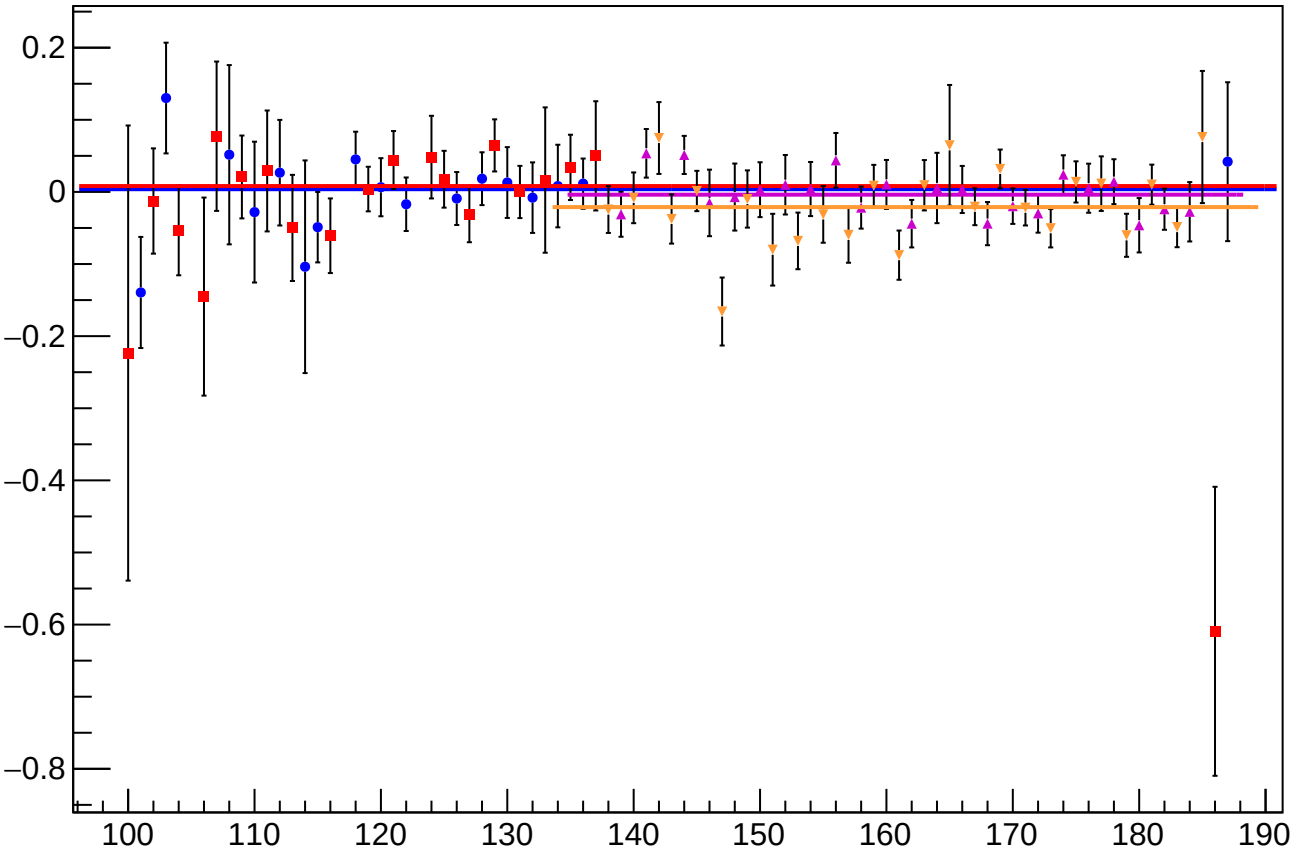
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6163518.0/36

In: 0.000+/-0.000 χ^2/NDF:5424334.1/39

Out: 0.000+/-0.000 χ^2/NDF:6816339.3/44

All: 0.000+/-0.000 χ^2/NDF: 12241720.1/84



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.008+/-0.012 χ^2/NDF: 20.8/19

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

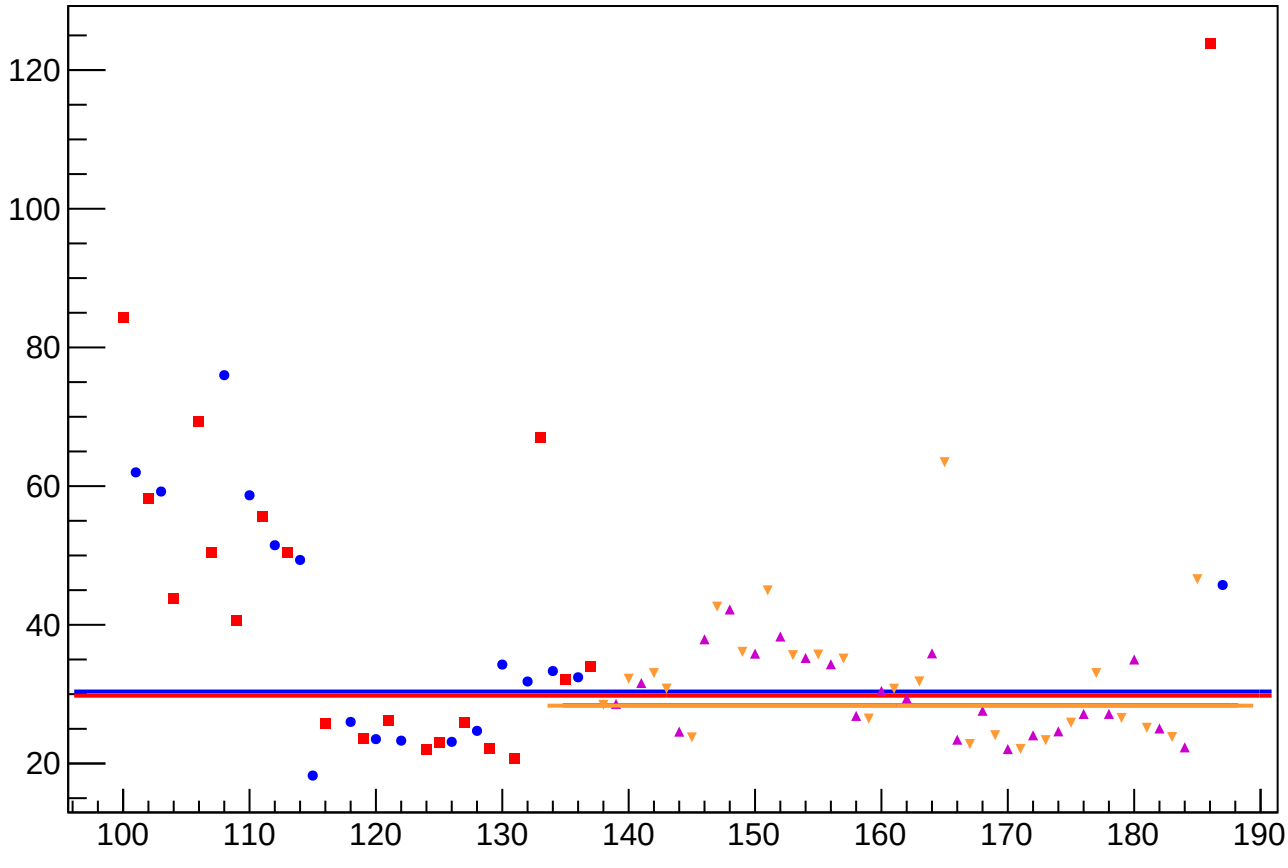
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.006+/-0.008 χ^2/NDF: 31.1/36

In: -0.002+/-0.006 χ^2/NDF:29.2/39

Out: -0.014+/-0.006 χ^2/NDF:62.6/44

All: -0.008+/-0.004 χ^2/NDF: 93.9/84



Right In: 30.378+/-0.009 χ^2/NDF: 1726754.4/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 29.778+/-0.008 χ^2/NDF: 2290566.1/19

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

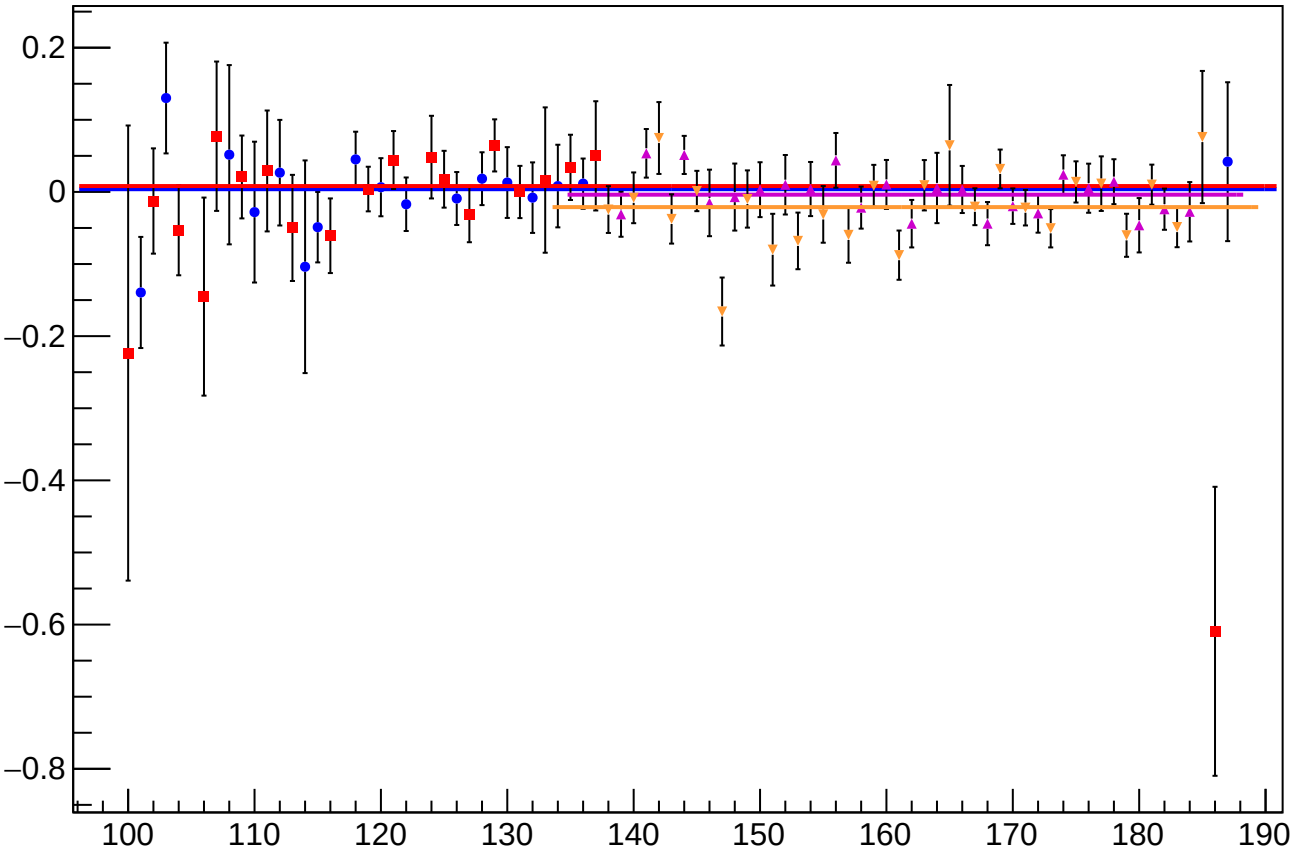
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 30.068+/-0.006 χ^2/NDF: 4019813.7/36

In: 28.867+/-0.004 χ^2/NDF:2865941.1/39

Out: 28.690+/-0.004 χ^2/NDF:4046641.5/44

All: 28.776+/-0.003 χ^2/NDF: 6913481.9/84



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.008+/-0.012 χ^2/NDF: 20.8/19

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

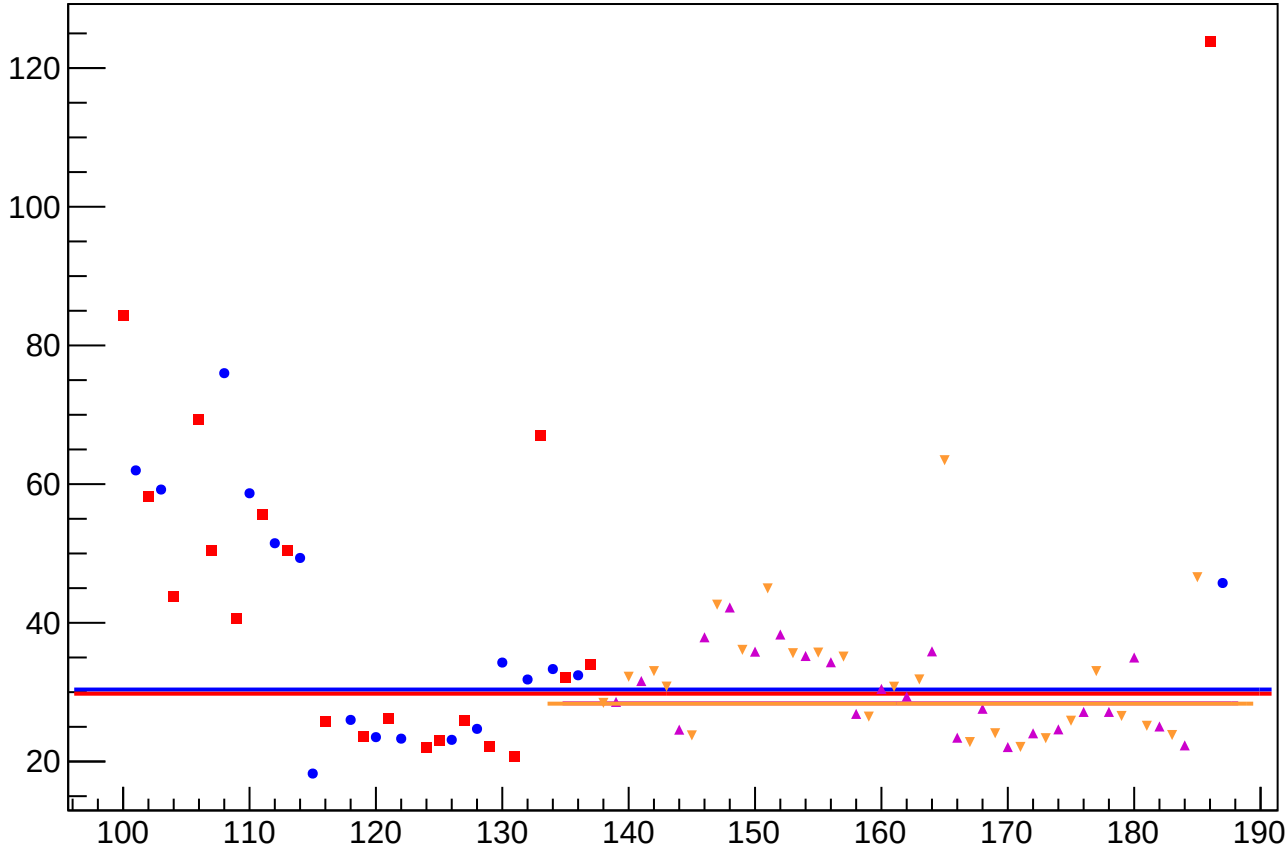
Right: 0.006+/-0.008 χ^2/NDF: 31.1/36

In: -0.002+/-0.006 χ^2/NDF:29.2/39

Out: -0.014+/-0.006 χ^2/NDF:62.6/44

All: -0.008+/-0.004 χ^2/NDF: 93.9/84

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.378+/-0.009 χ^2/NDF: 1726754.4/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 29.778+/-0.008 χ^2/NDF: 2290566.1/19

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

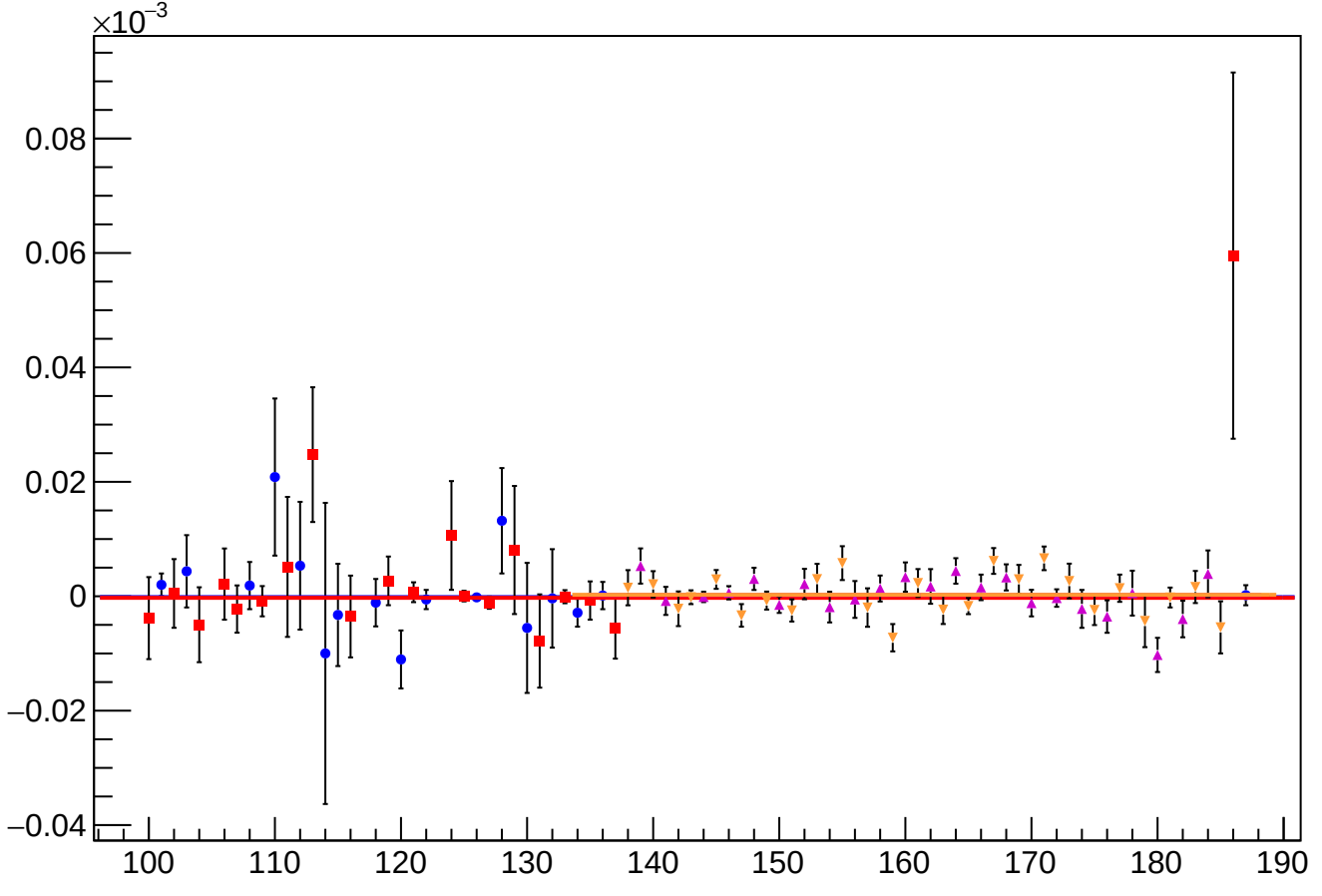
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 30.068+/-0.006 χ^2/NDF: 4019813.7/36

In: 28.867+/-0.004 χ^2/NDF:2865941.1/39

Out: 28.690+/-0.004 χ^2/NDF:4046641.5/44

All: 28.776+/-0.003 χ^2/NDF: 6913481.9/84



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/19

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

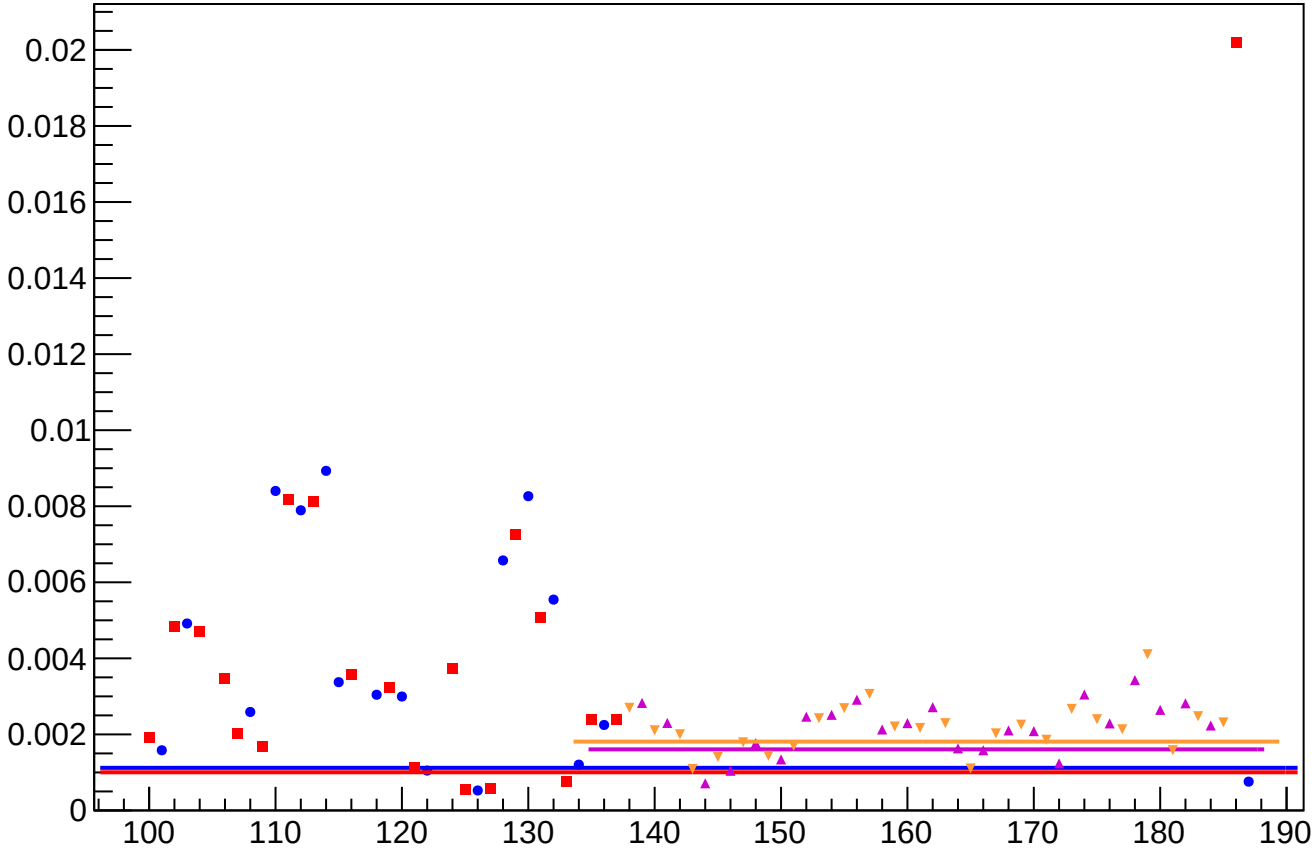
Right: -0.000+/-0.000 χ^2/NDF: 28.1/36

In: 0.000+/-0.000 χ^2/NDF:46.7/39

Out: 0.000+/-0.000 χ^2/NDF:66.3/44

All: 0.000+/-0.000 χ^2/NDF: 113.0/84

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6978049.6/16

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7656854.0/19

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

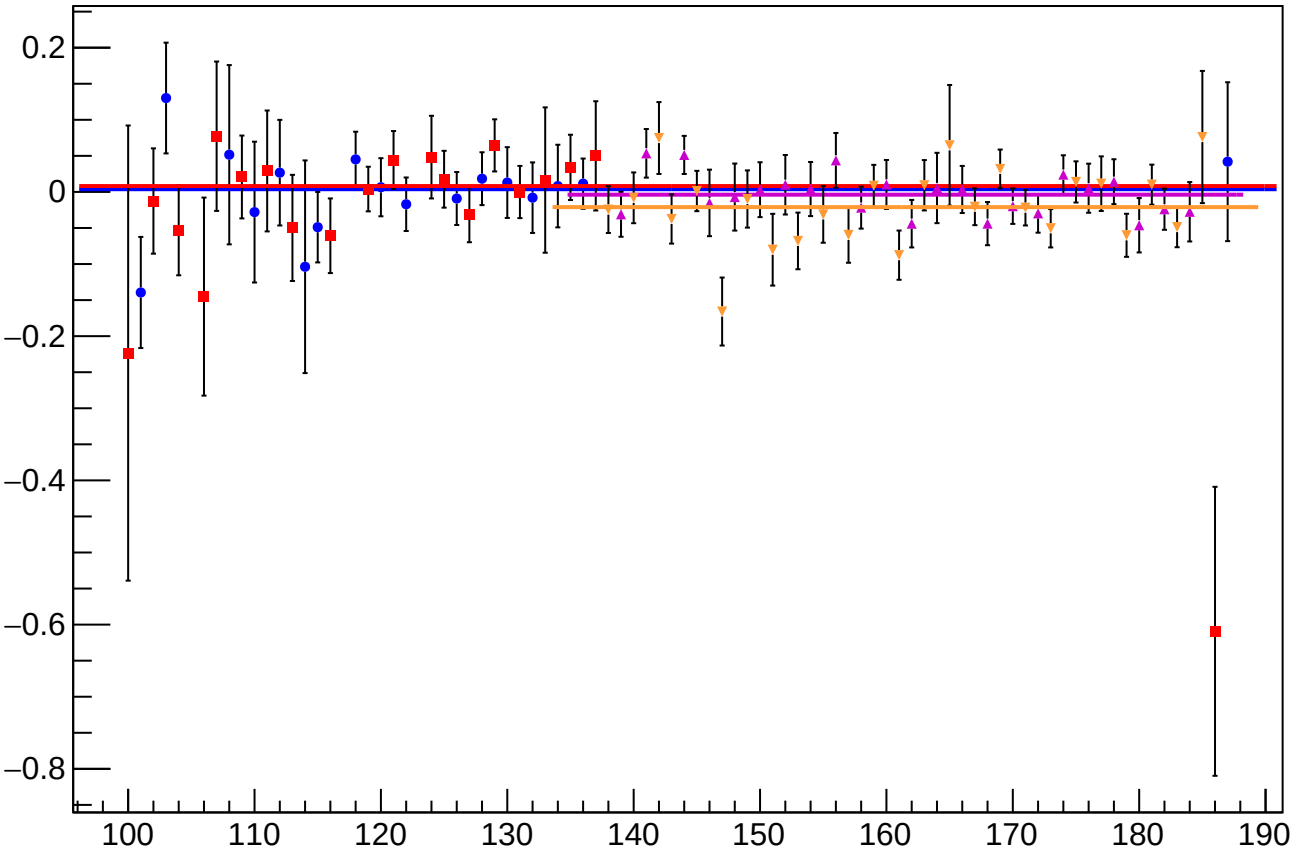
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 14680106.8/36

In: 0.001+/-0.000 χ^2/NDF:13927308.2/39

Out: 0.001+/-0.000 χ^2/NDF:13912445.0/44

All: 0.001+/-0.000 χ^2/NDF: 27855782.1/84



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.008+/-0.012 χ^2/NDF: 20.8/19

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

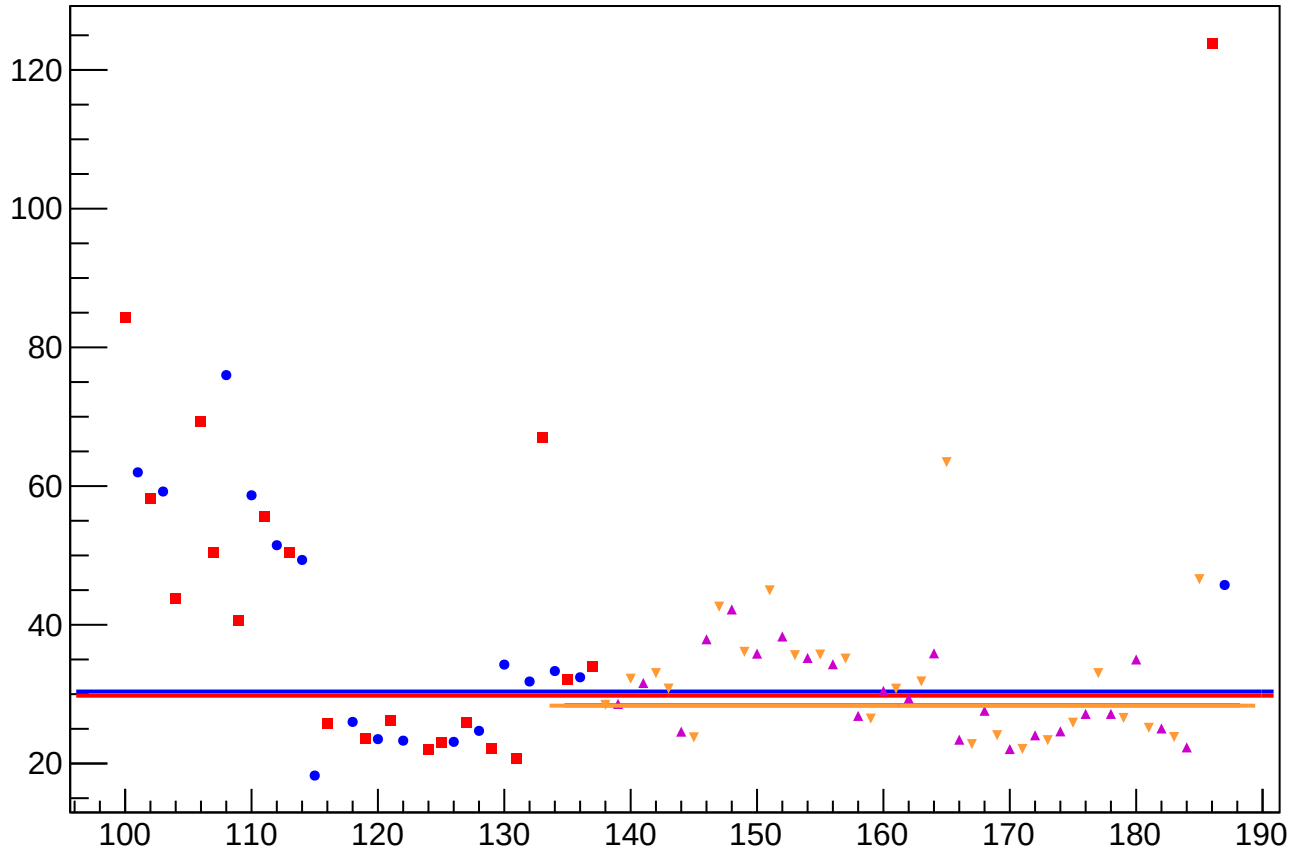
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.006+/-0.008 χ^2/NDF: 31.1/36

In: -0.002+/-0.006 χ^2/NDF:29.2/39

Out: -0.014+/-0.006 χ^2/NDF:62.6/44

All: -0.008+/-0.004 χ^2/NDF: 93.9/84



Right In: 30.378+/-0.009 χ^2/NDF: 1726568.8/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 29.778+/-0.008 χ^2/NDF: 2290528.4/19

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

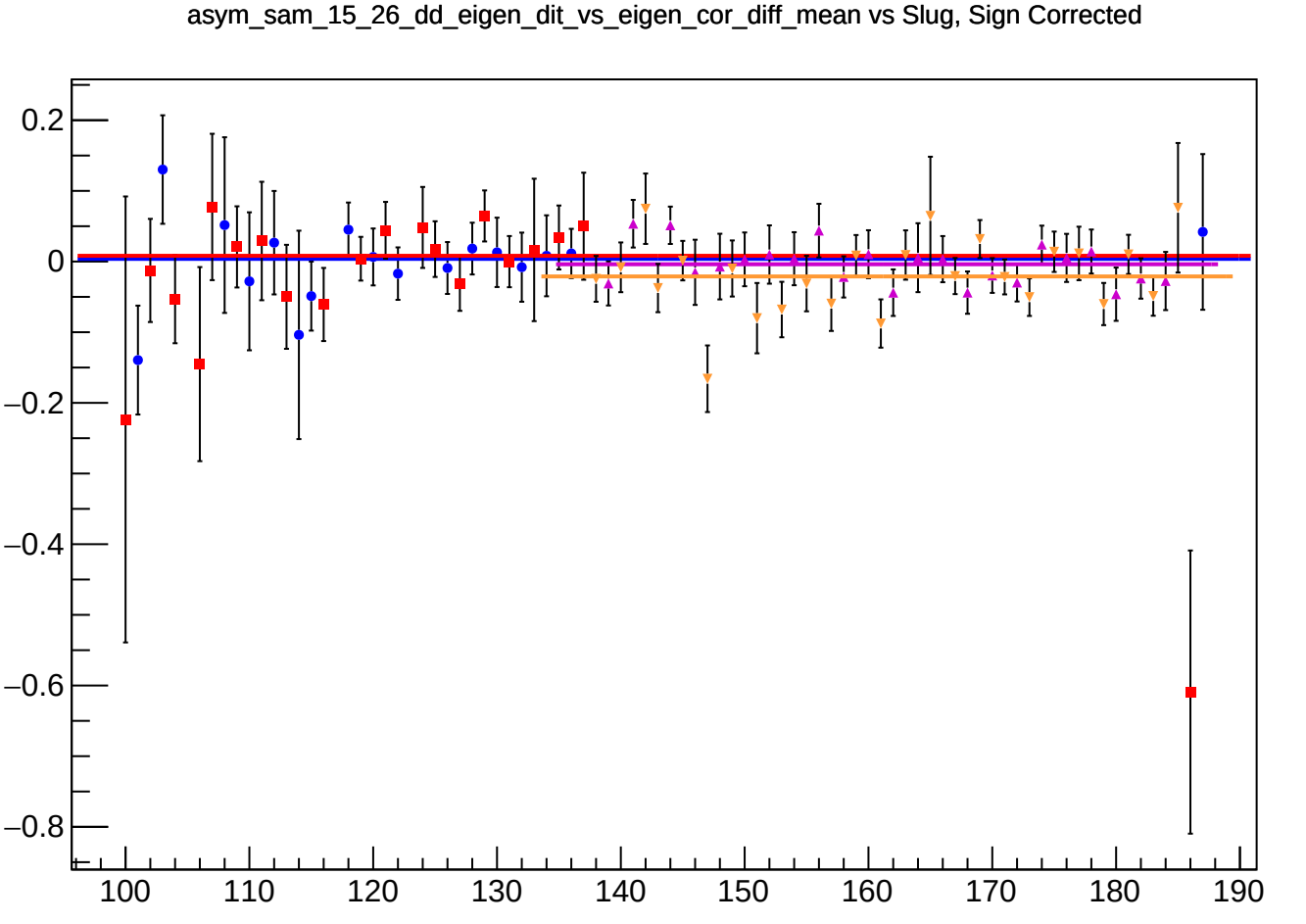
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 30.068+/-0.006 χ^2/NDF: 4019595.4/36

In: 28.867+/-0.004 χ^2/NDF:2865750.7/39

Out: 28.690+/-0.004 χ^2/NDF:4046578.3/44

All: 28.776+/-0.003 χ^2/NDF: 6913231.2/84



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.008+/-0.012 χ^2/NDF: 20.8/19

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

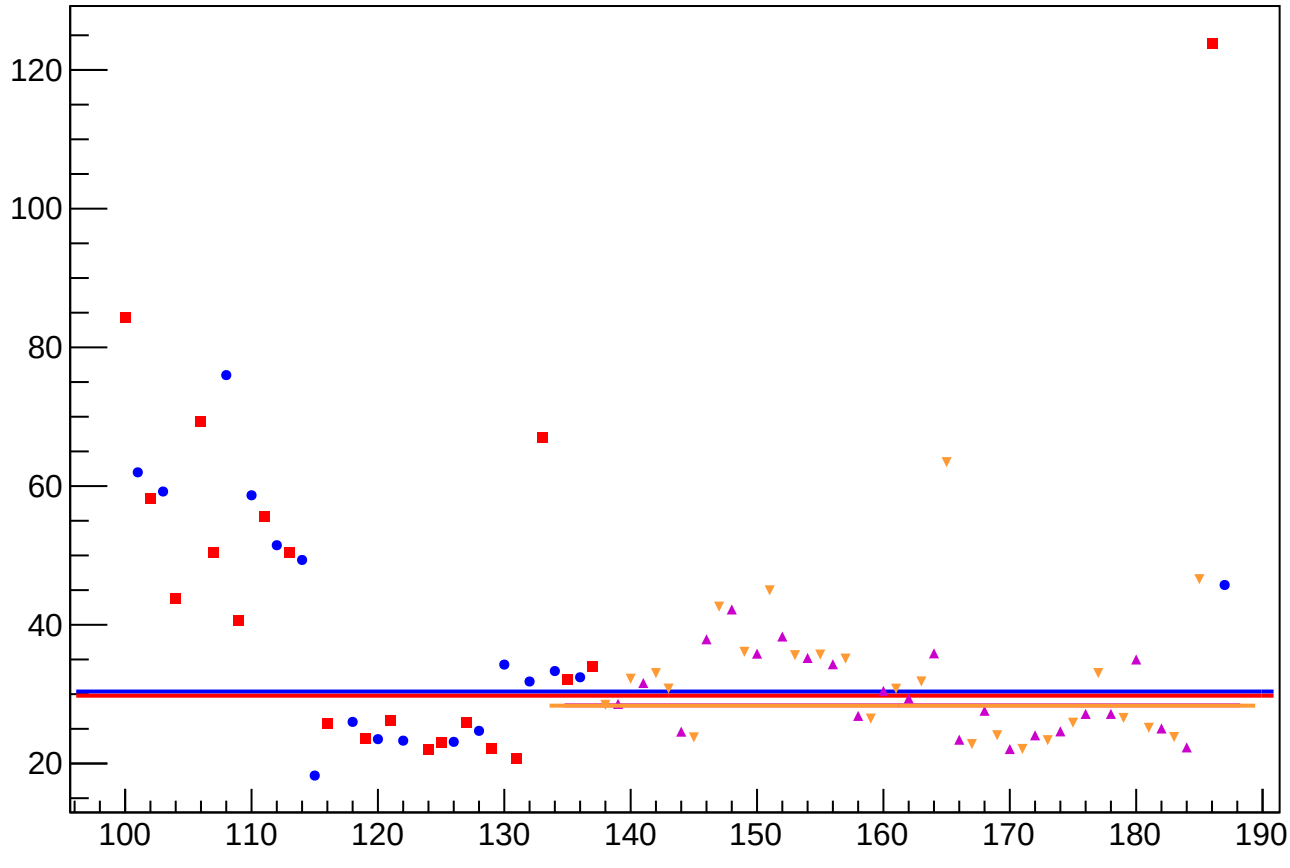
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.006+/-0.008 χ^2/NDF: 31.1/36

In: -0.002+/-0.006 χ^2/NDF:29.2/39

Out: -0.014+/-0.006 χ^2/NDF:62.6/44

All: -0.008+/-0.004 χ^2/NDF: 93.9/84



Right In: 30.378+/-0.009 χ^2/NDF: 1726568.8/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 29.778+/-0.008 χ^2/NDF: 2290528.4/19

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

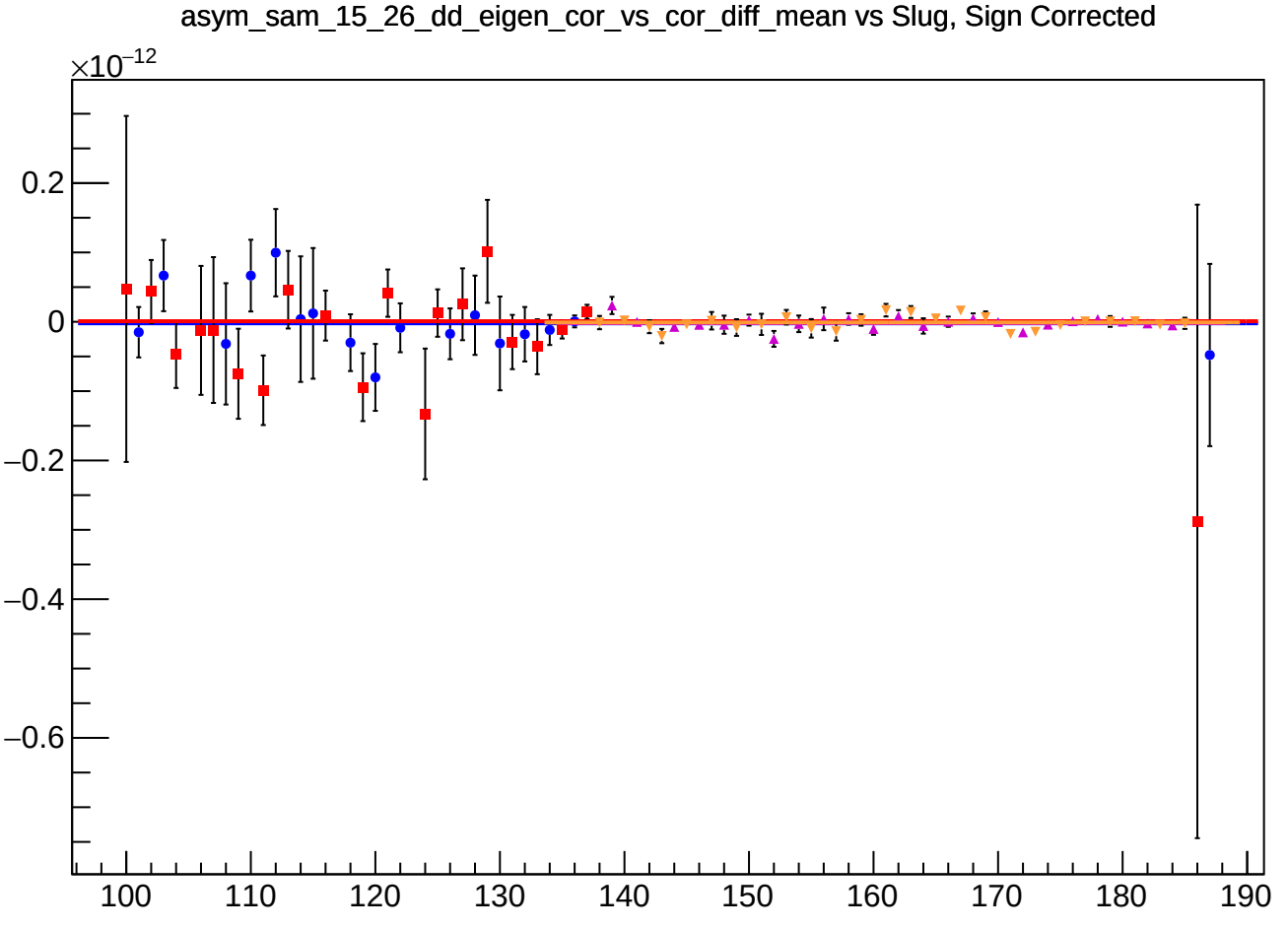
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 30.068+/-0.006 χ^2/NDF: 4019595.4/36

In: 28.867+/-0.004 χ^2/NDF:2865750.7/39

Out: 28.690+/-0.004 χ^2/NDF:4046578.3/44

All: 28.776+/-0.003 χ^2/NDF: 6913231.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/19

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

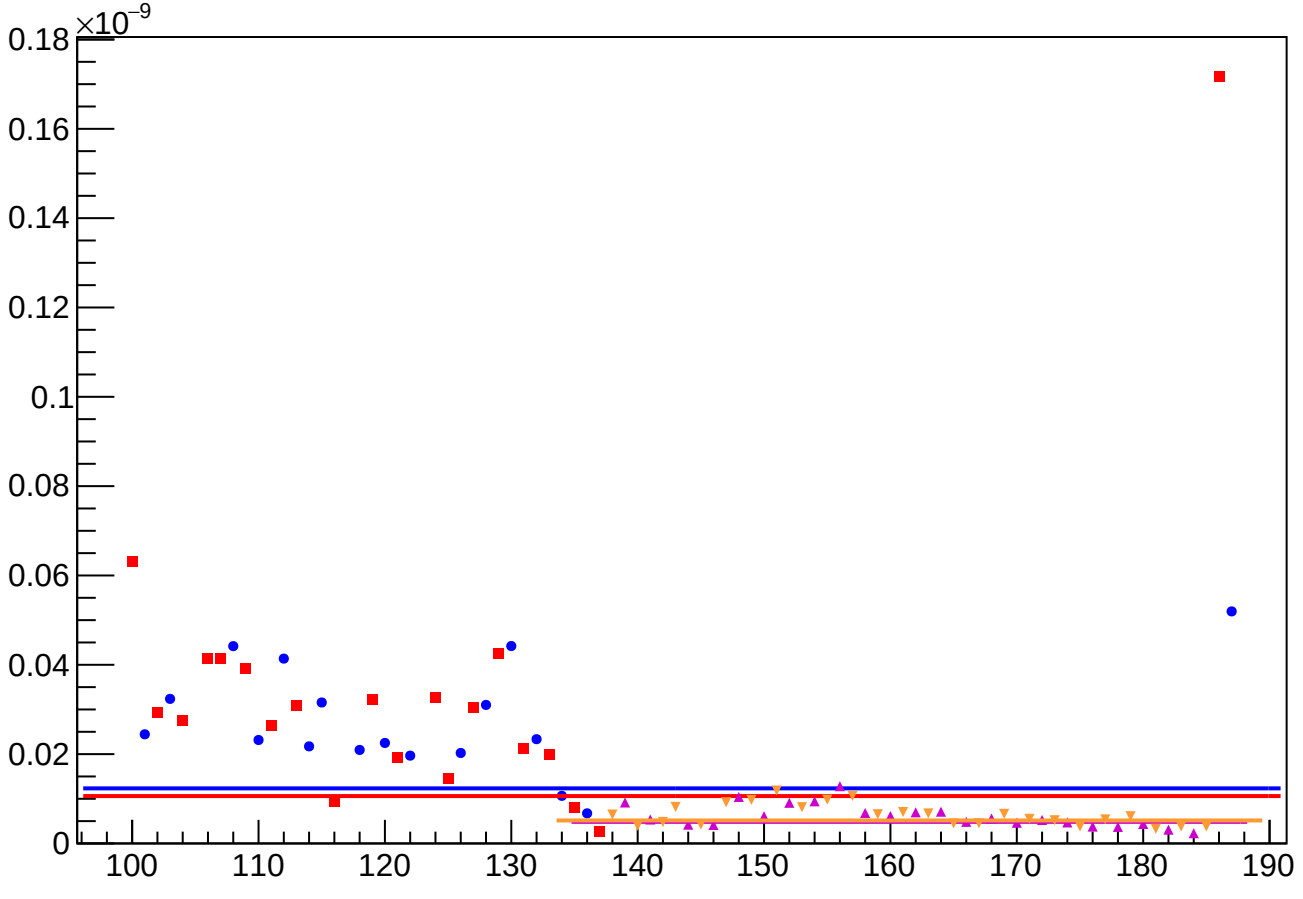
Right: -0.000+/-0.000 χ^2/NDF: 32.4/36

In: -0.000+/-0.000 χ^2/NDF:30.1/39

Out: -0.000+/-0.000 χ^2/NDF:56.0/44

All: -0.000+/-0.000 χ^2/NDF: 86.3/84

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3620248.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5019031.6/19

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

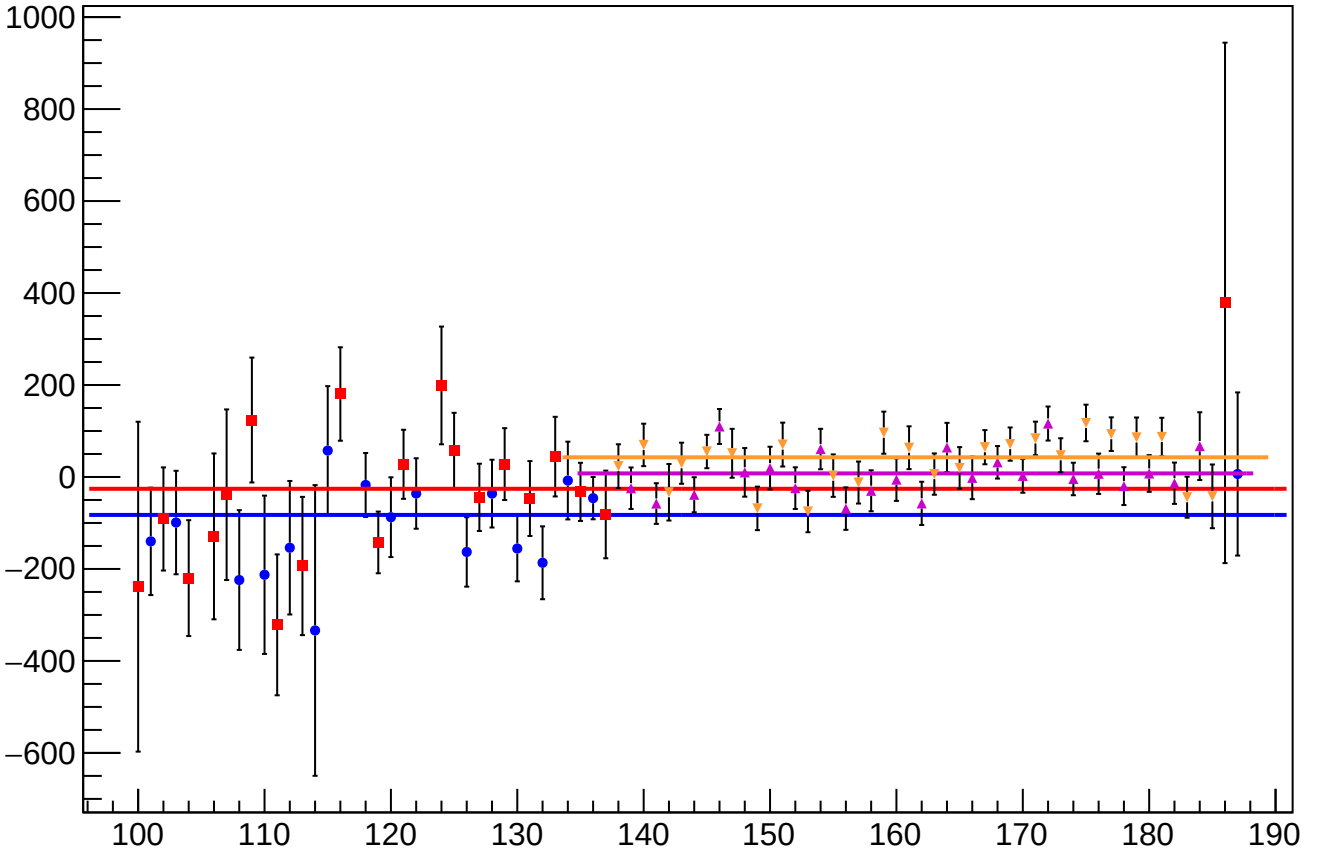
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 8704904.2/36

In: 0.000+/-0.000 χ^2/NDF:8980246.3/39

Out: 0.000+/-0.000 χ^2/NDF:9336889.8/44

All: 0.000+/-0.000 χ^2/NDF: 18345093.2/84



Right In: -82.508+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -25.686+/-22.050 χ^2/NDF: 23.5/19

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

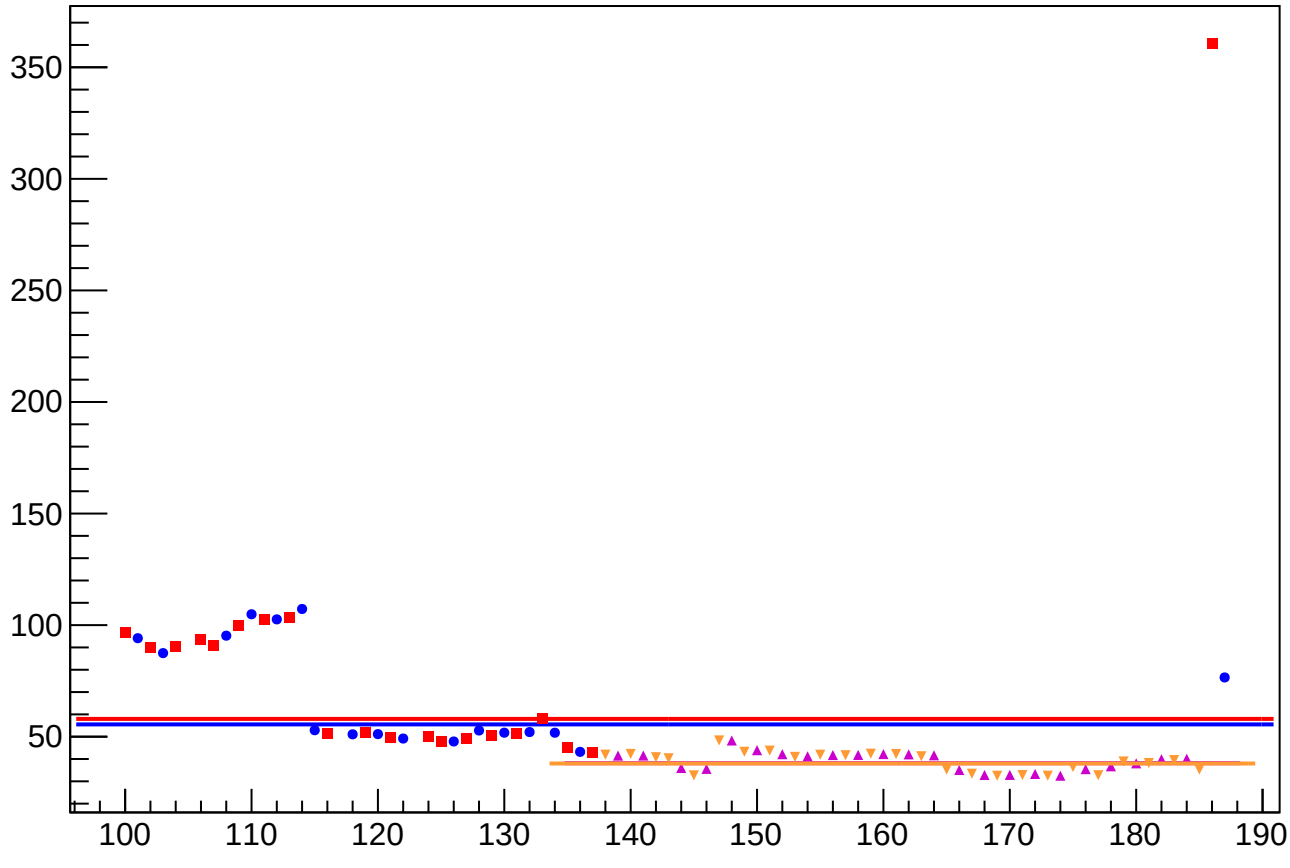
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -55.107+/-15.312 χ^2/NDF: 37.7/36

In: -5.851+/-8.269 χ^2/NDF:56.7/39

Out: 33.548+/-8.091 χ^2/NDF:66.6/44

All: 14.276+/-5.783 χ^2/NDF: 134.8/84



Right In: 55.505+/-0.015 χ^2/NDF: 1181135.8/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.979+/-0.016 χ^2/NDF: 1854841.5/19

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

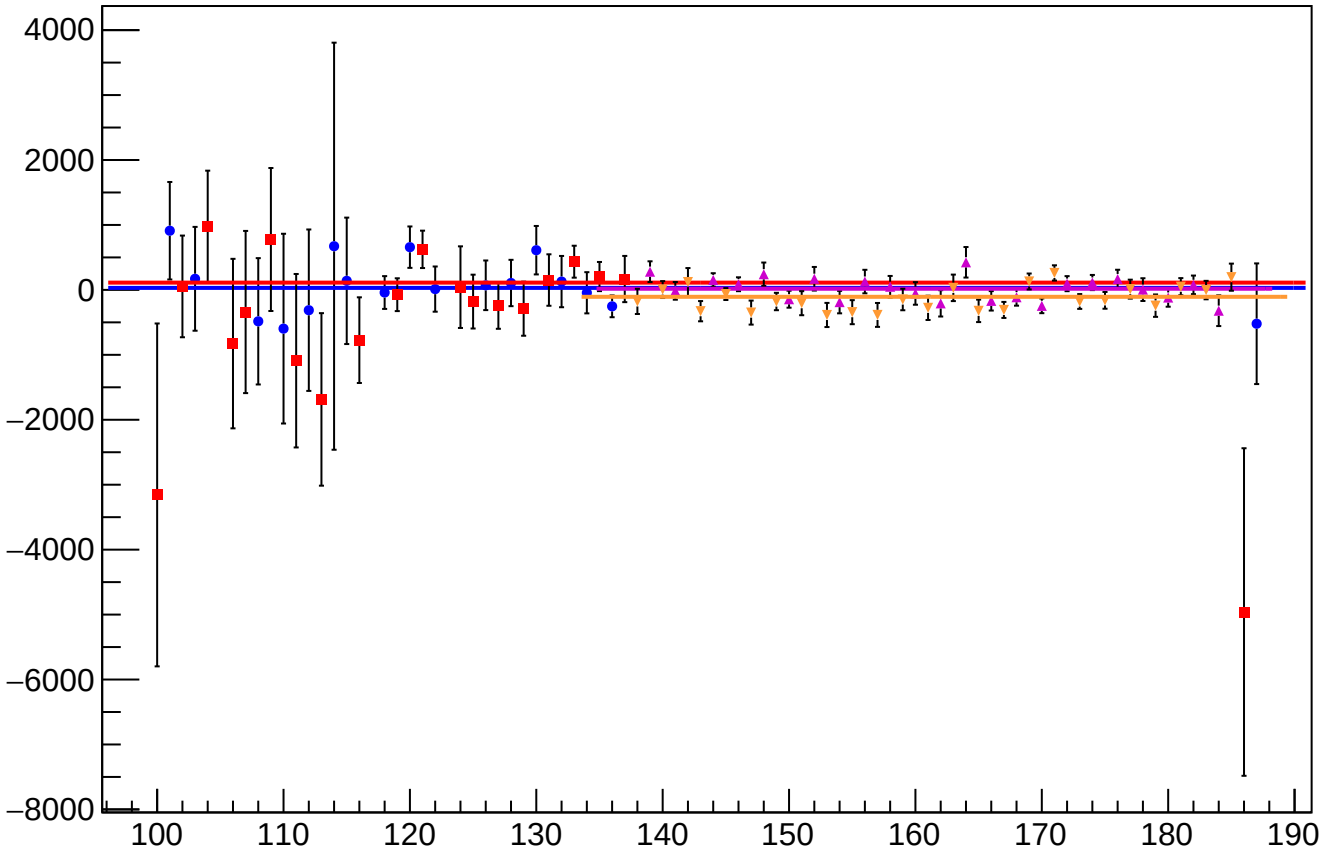
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 56.698+/-0.011 χ^2/NDF: 3049019.7/36

In: 40.756+/-0.006 χ^2/NDF:2741099.0/39

Out: 40.681+/-0.006 χ^2/NDF:3790800.4/44

All: 40.718+/-0.004 χ^2/NDF: 6531982.3/84



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 111.842+/-95.764 χ^2/NDF: 20.1/19

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

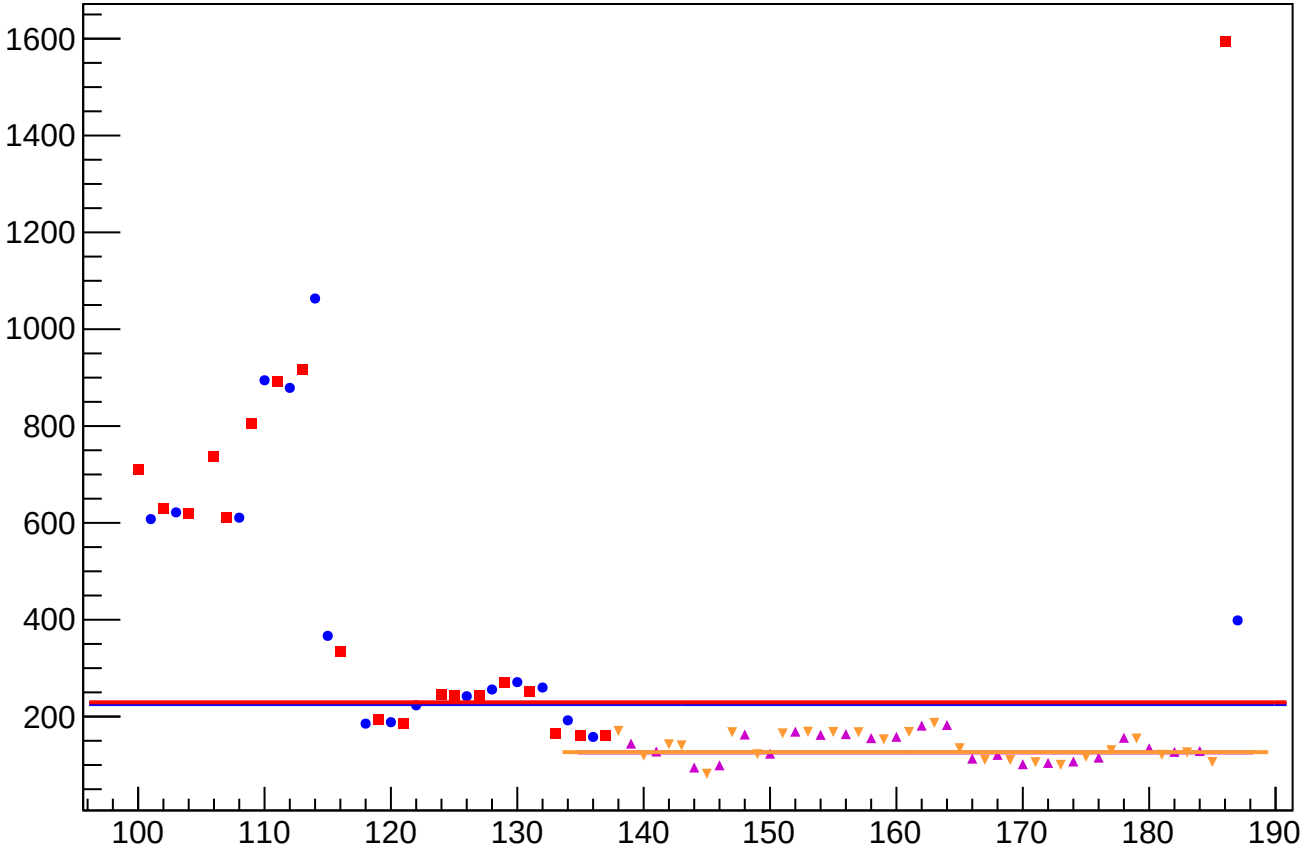
Right: 70.137+/-66.751 χ^2/NDF: 32.2/36

In: 18.774+/-28.714 χ^2/NDF:40.0/39

Out: -87.508+/-28.248 χ^2/NDF:62.5/44

All: -35.236+/-20.137 χ^2/NDF: 109.5/84

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 225.795+/-0.066 χ^2/NDF: 3037963.2/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 229.421+/-0.068 χ^2/NDF: 4227108.4/19

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

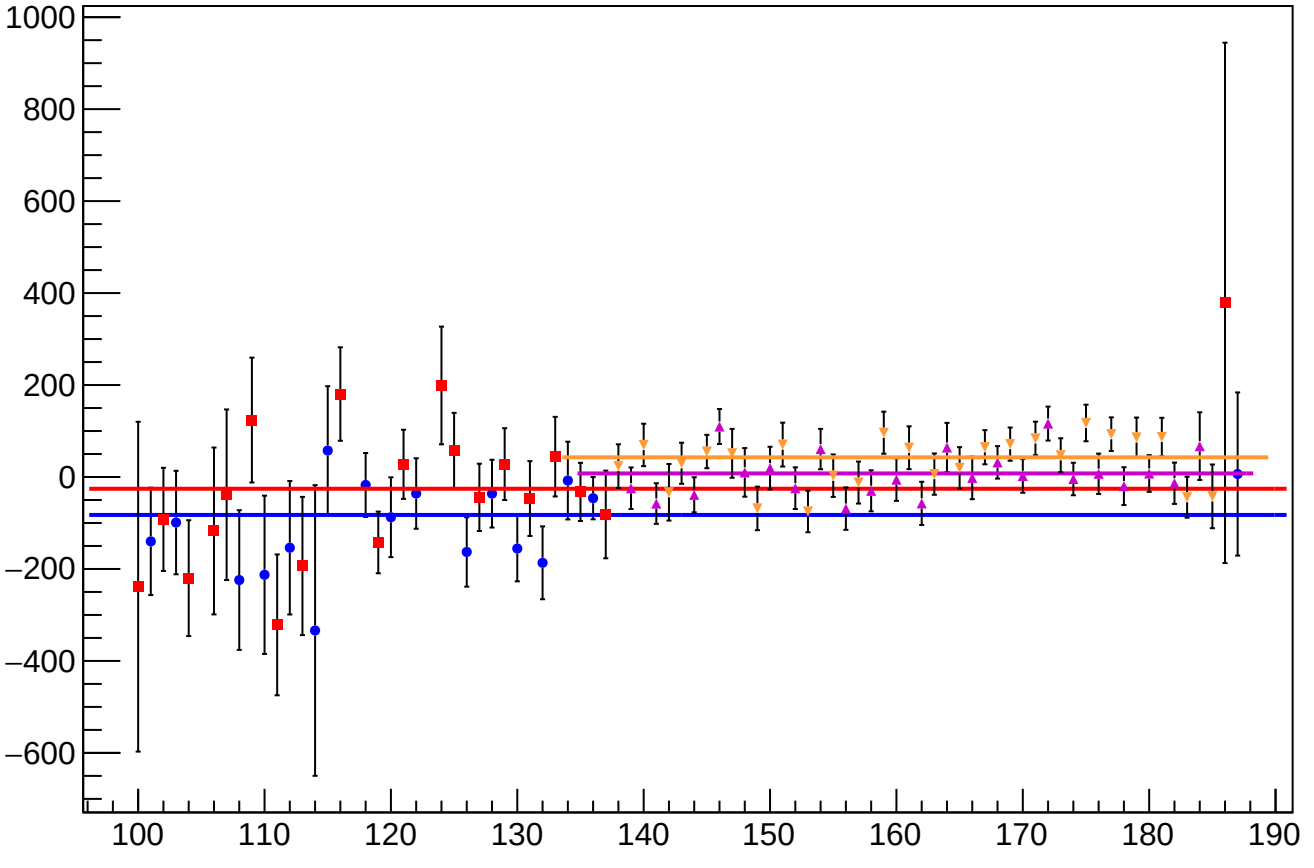
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 227.557+/-0.047 χ^2/NDF: 7266546.3/36

In: 135.506+/-0.020 χ^2/NDF:6527759.5/39

Out: 135.511+/-0.020 χ^2/NDF:8091888.0/44

All: 135.508+/-0.014 χ^2/NDF: 14619647.4/84



Right In: -82.505+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -25.527+/-22.052 χ^2/NDF: 23.4/19

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

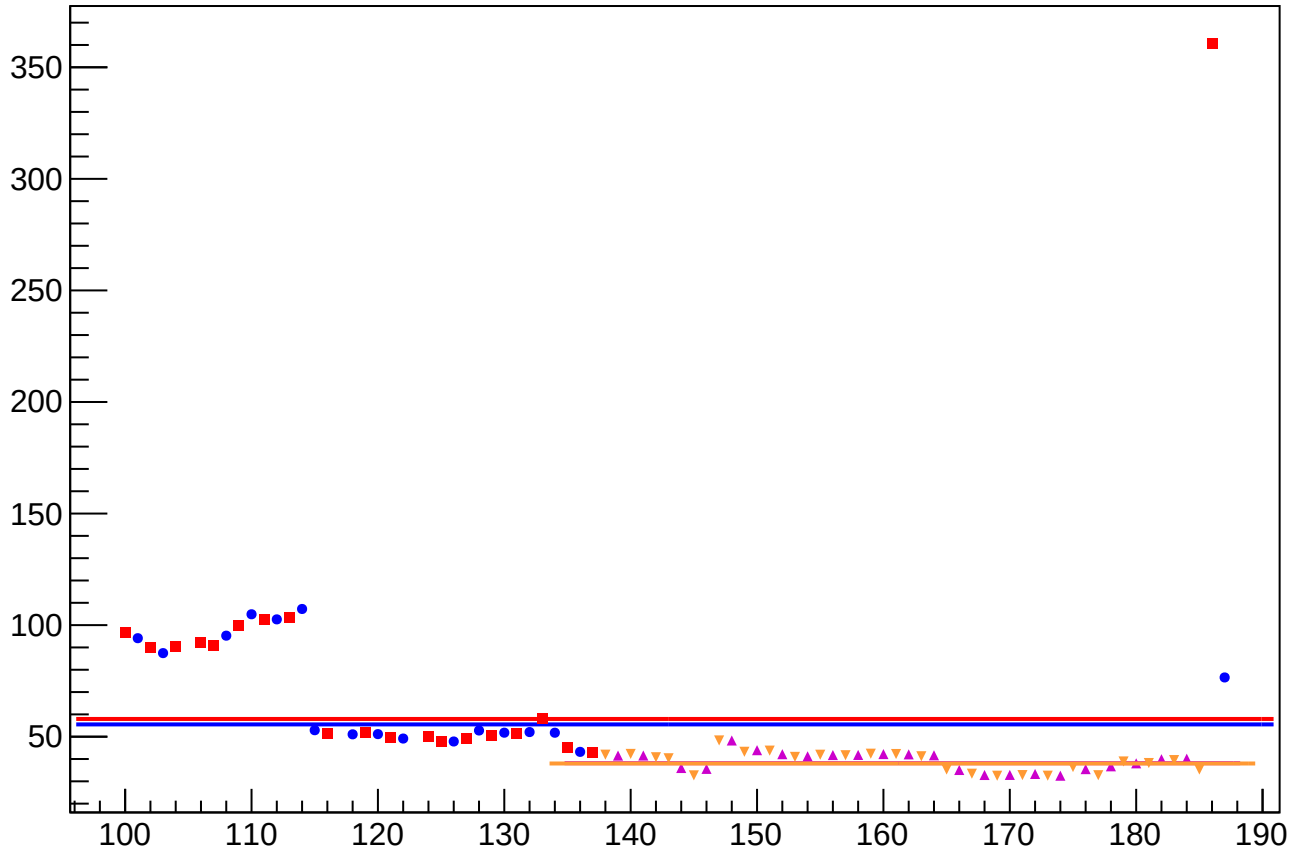
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -55.032+/-15.313 χ^2/NDF: 37.7/36

In: -5.849+/-8.269 χ^2/NDF:56.7/39

Out: 33.572+/-8.091 χ^2/NDF:66.5/44

All: 14.289+/-5.783 χ^2/NDF: 134.8/84



Right In: 55.505+/-0.015 χ^2/NDF: 1181136.1/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.951+/-0.016 χ^2/NDF: 1847544.7/19

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

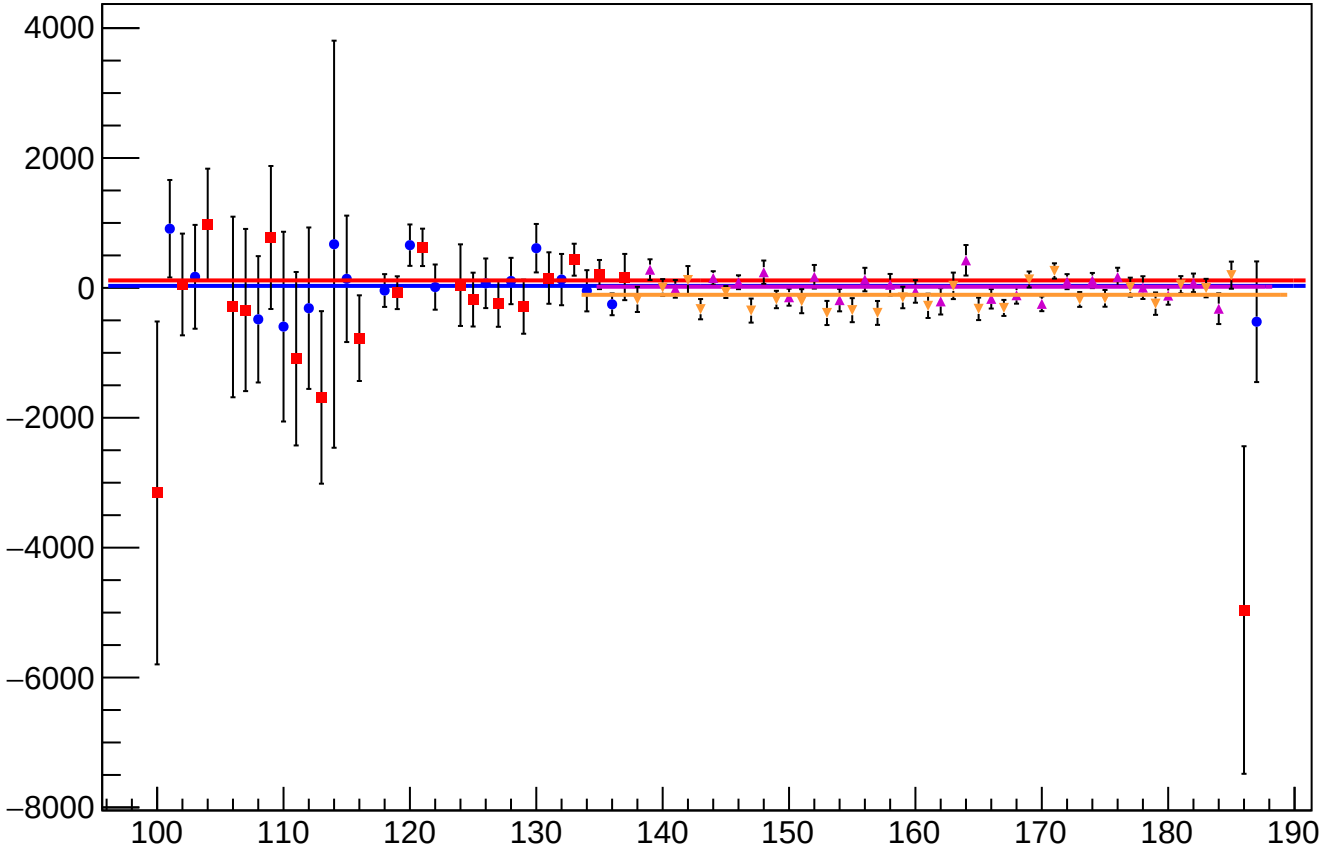
Right: 56.684+/-0.011 χ^2/NDF: 3041420.8/36

In: 40.756+/-0.006 χ^2/NDF:2741099.2/39

Out: 40.677+/-0.006 χ^2/NDF:3779180.8/44

All: 40.716+/-0.004 χ^2/NDF: 6520372.8/84

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 114.956+/-95.796 χ^2/NDF: 19.6/19

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

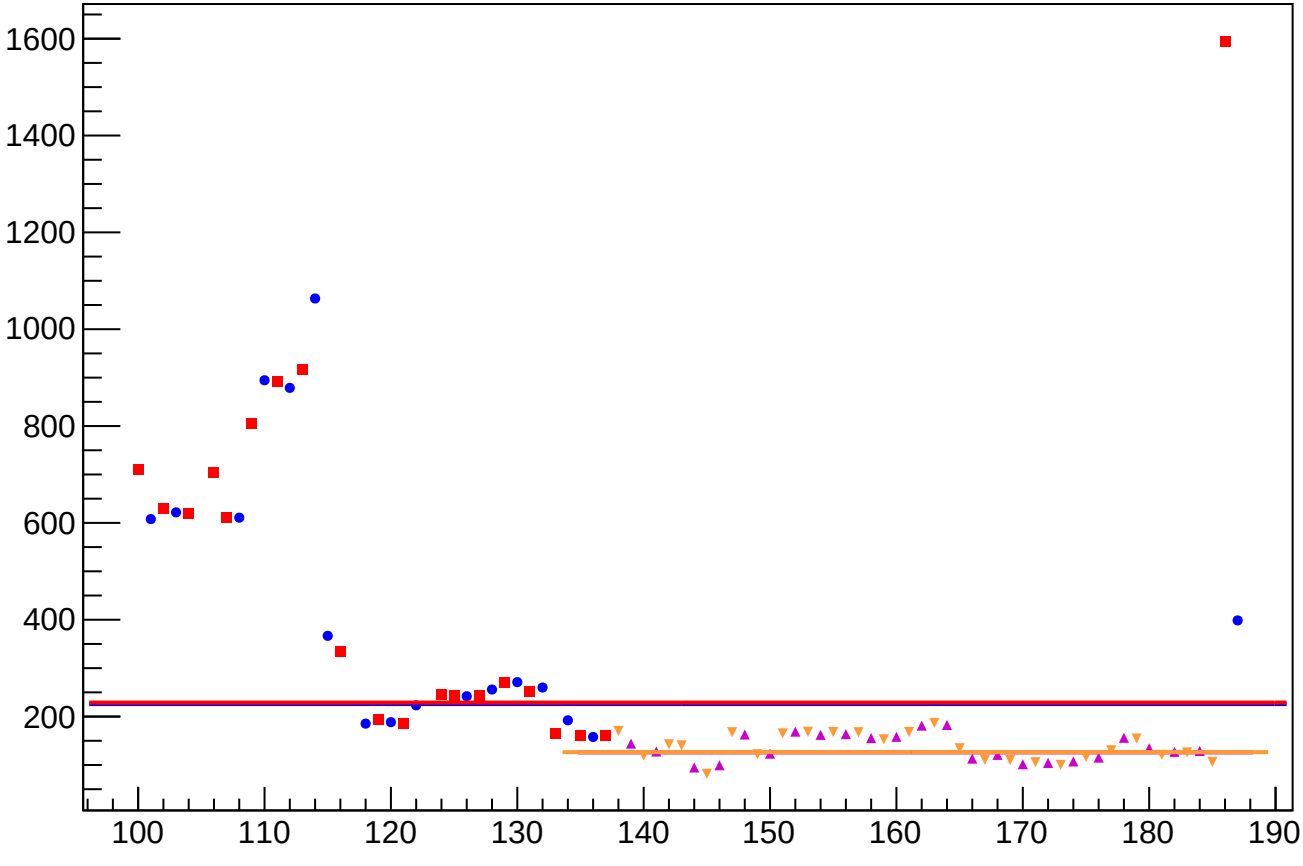
Right: 71.636+/-66.761 χ^2/NDF: 31.8/36

In: 18.774+/-28.714 χ^2/NDF:40.0/39

Out: -87.248+/-28.249 χ^2/NDF:62.2/44

All: -35.102+/-20.137 χ^2/NDF: 109.1/84

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 225.795+/-0.066 χ^2/NDF: 3037968.0/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 228.944+/-0.068 χ^2/NDF: 4158832.0/19

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

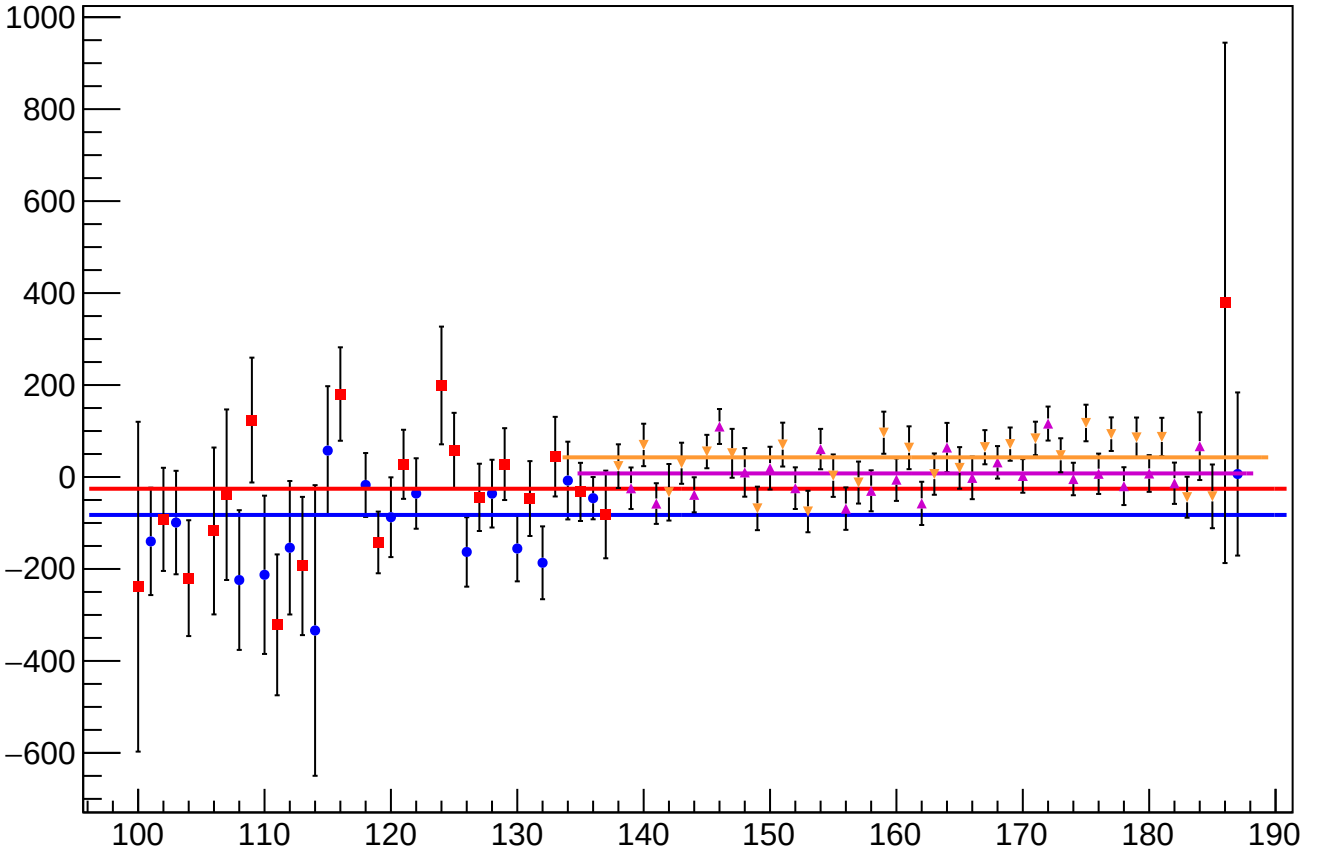
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 227.324+/-0.047 χ^2/NDF: 7197911.4/36

In: 135.506+/-0.020 χ^2/NDF:6527779.2/39

Out: 135.464+/-0.020 χ^2/NDF:8002832.2/44

All: 135.485+/-0.014 χ^2/NDF: 14530613.6/84



Right In: -82.505+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -25.527+/-22.052 χ^2/NDF: 23.4/19

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

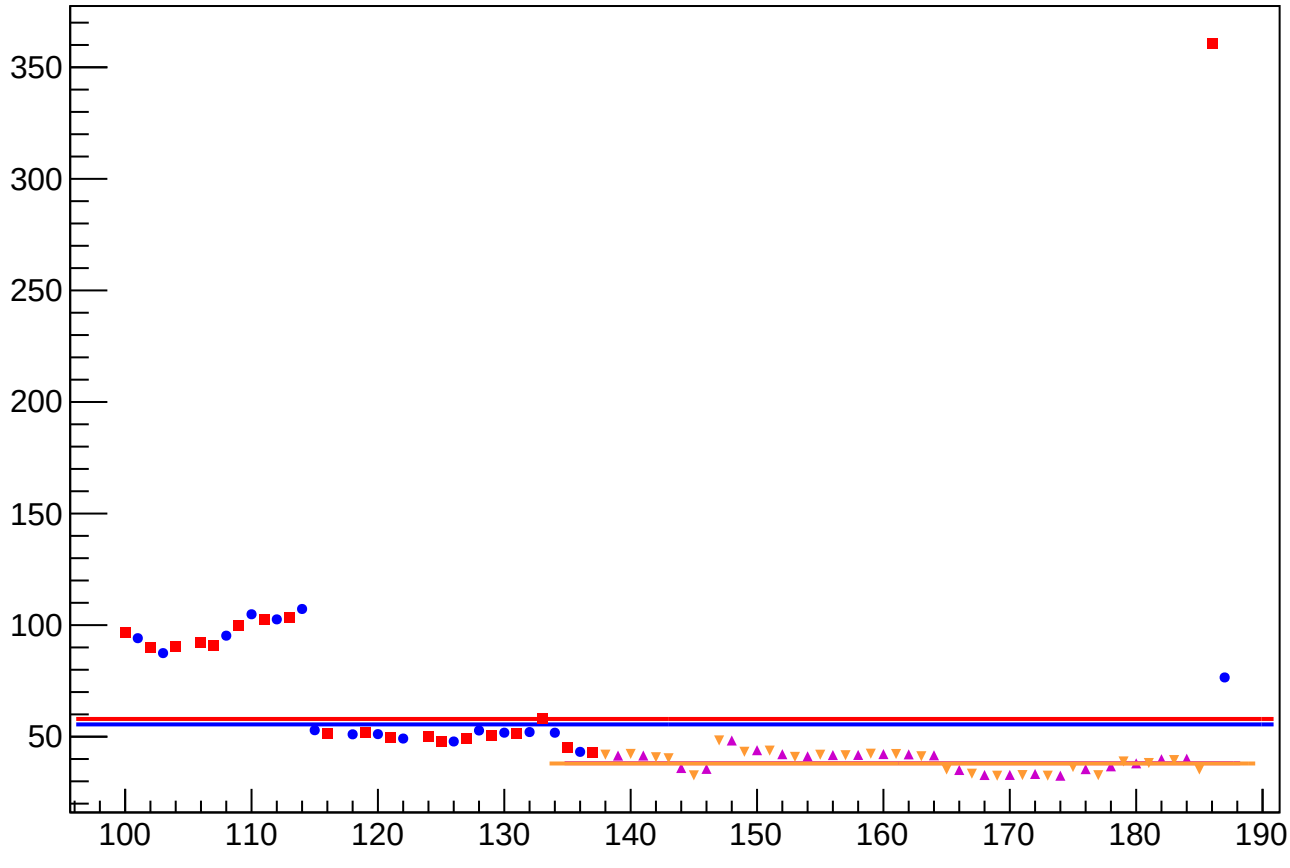
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -55.032+/-15.313 χ^2/NDF: 37.7/36

In: -5.849+/-8.269 χ^2/NDF:56.7/39

Out: 33.572+/-8.091 χ^2/NDF:66.5/44

All: 14.289+/-5.783 χ^2/NDF: 134.8/84



Right In: 55.505+/-0.015 χ^2/NDF: 1181136.1/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.951+/-0.016 χ^2/NDF: 1847544.7/19

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

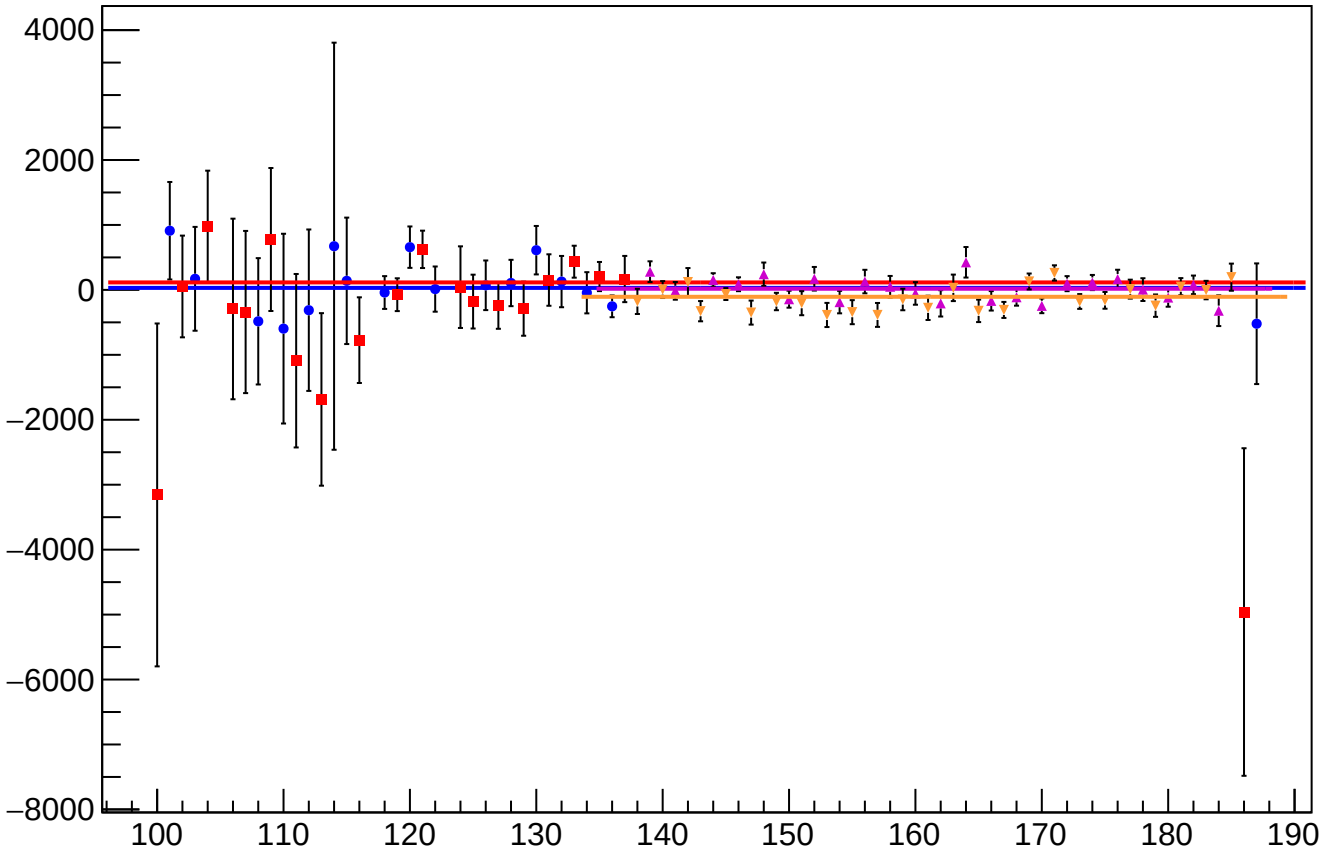
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 56.684+/-0.011 χ^2/NDF: 3041420.8/36

In: 40.756+/-0.006 χ^2/NDF:2741099.2/39

Out: 40.677+/-0.006 χ^2/NDF:3779180.8/44

All: 40.716+/-0.004 χ^2/NDF: 6520372.8/84



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 114.956+/-95.796 χ^2/NDF: 19.6/19

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

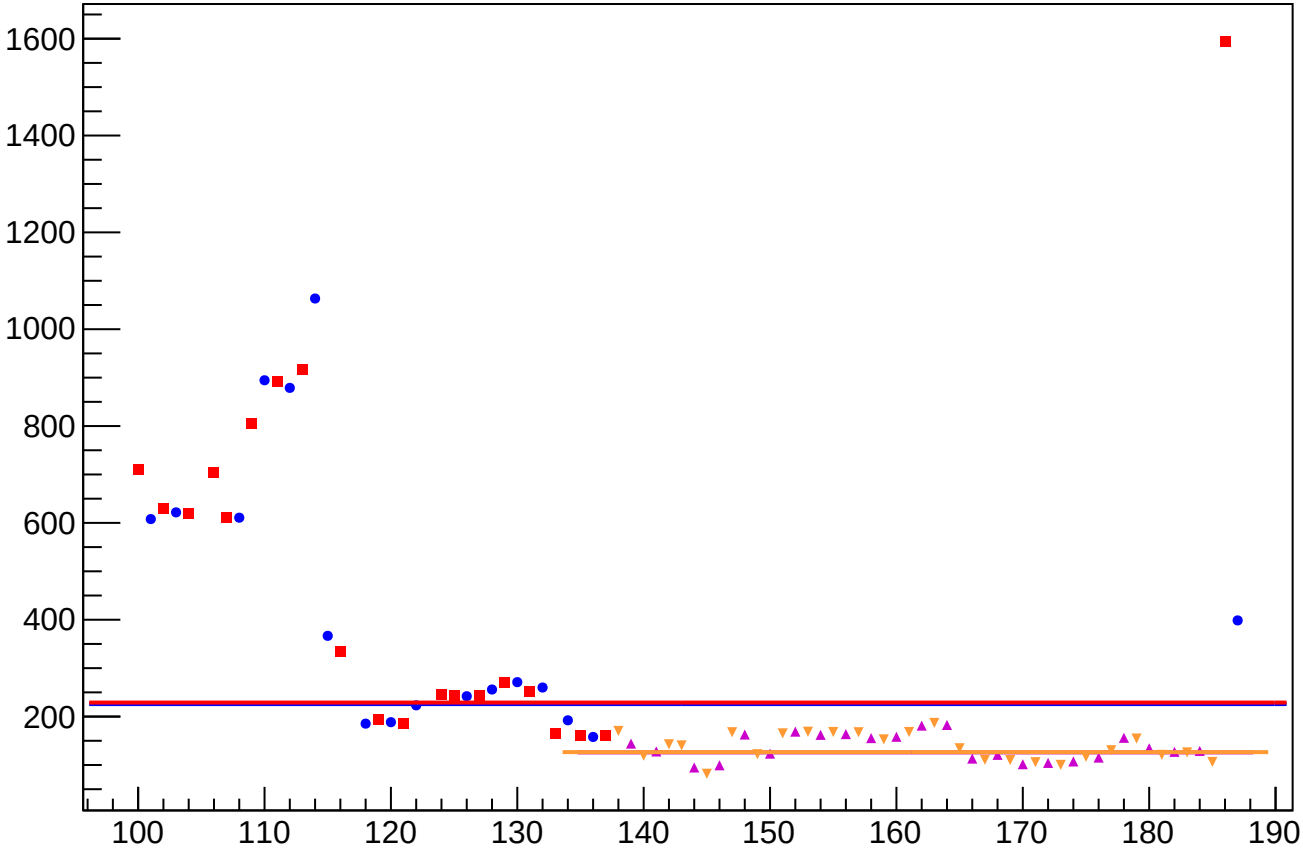
Right: 71.636+/-66.761 χ^2/NDF: 31.8/36

In: 18.774+/-28.714 χ^2/NDF:40.0/39

Out: -87.248+/-28.249 χ^2/NDF:62.2/44

All: -35.102+/-20.137 χ^2/NDF: 109.1/84

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 225.795+/-0.066 χ^2/NDF: 3037968.0/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 228.944+/-0.068 χ^2/NDF: 4158832.0/19

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

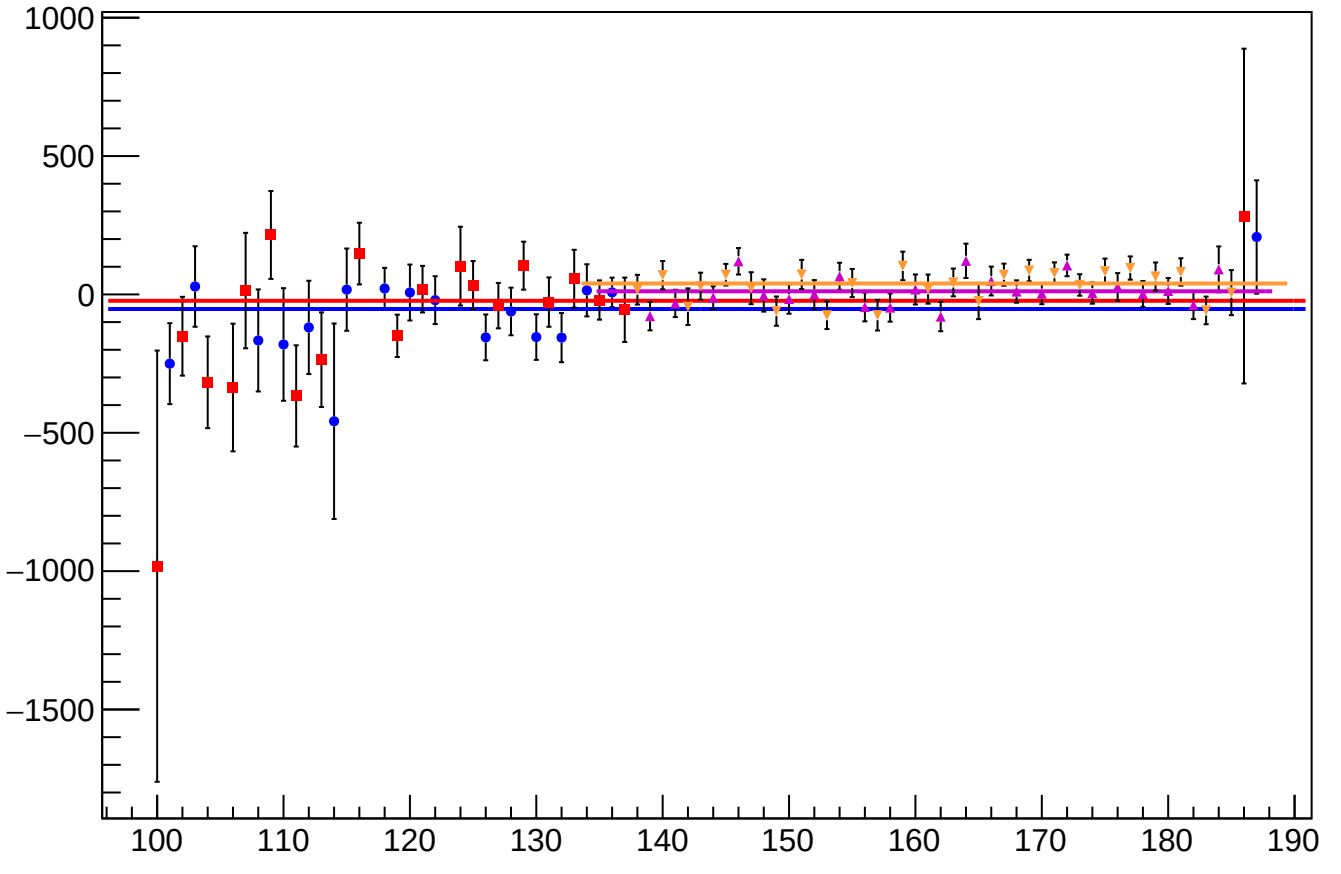
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 227.324+/-0.047 χ^2/NDF: 7197911.4/36

In: 135.506+/-0.020 χ^2/NDF:6527779.2/39

Out: 135.464+/-0.020 χ^2/NDF:8002832.2/44

All: 135.485+/-0.014 χ^2/NDF: 14530613.6/84



Right In: -52.690+/-24.315 χ^2/NDF: 13.9/16

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -22.966+/-25.139 χ^2/NDF: 24.3/19

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

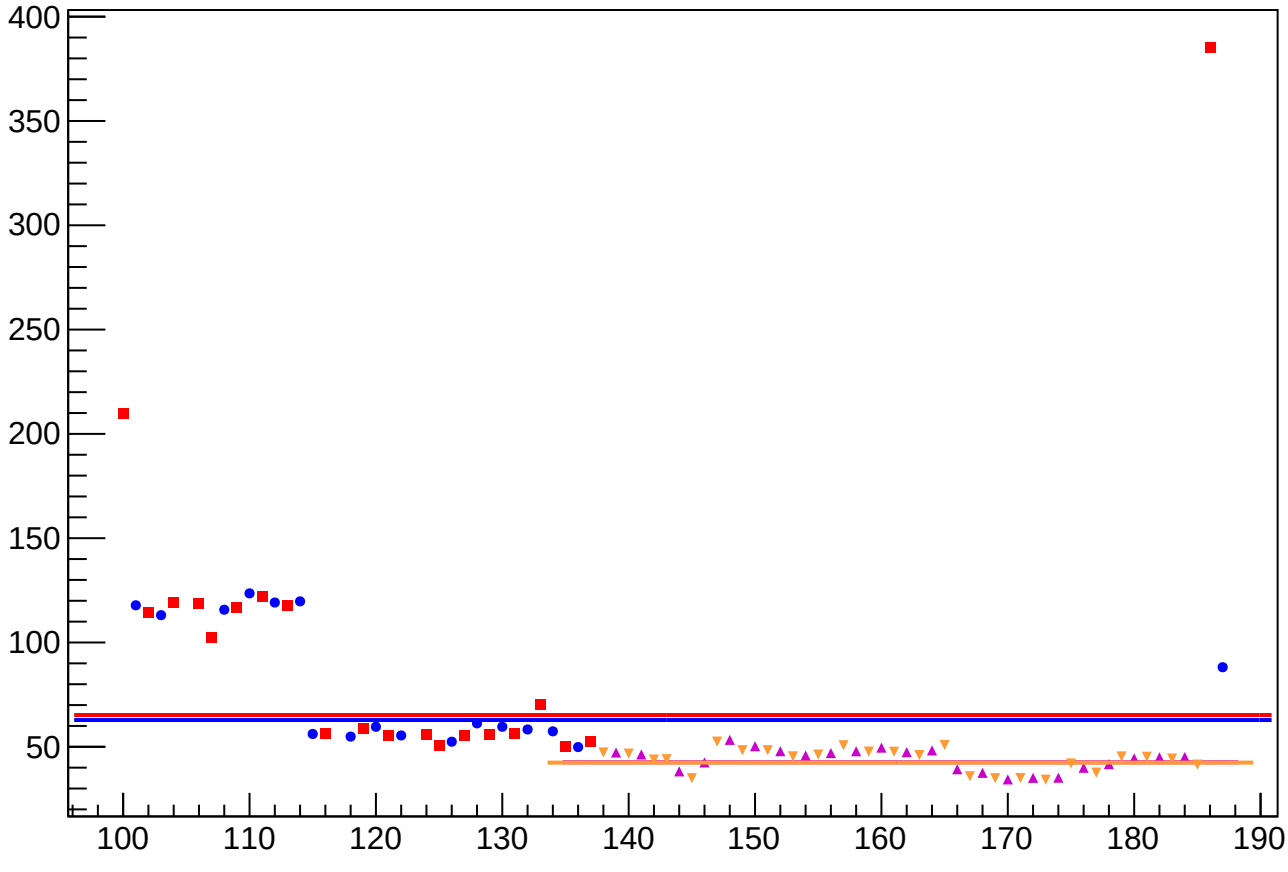
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -38.323+/-17.477 χ^2/NDF: 39.0/36

In: 1.926+/-9.309 χ^2/NDF:47.7/39

Out: 31.394+/-9.086 χ^2/NDF:59.3/44

All: 17.017+/-6.502 χ^2/NDF: 112.2/84



Right In: 62.836+/-0.017 χ^2/NDF: 1379237.5/16

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.234+/-0.018 χ^2/NDF: 2150962.1/19

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

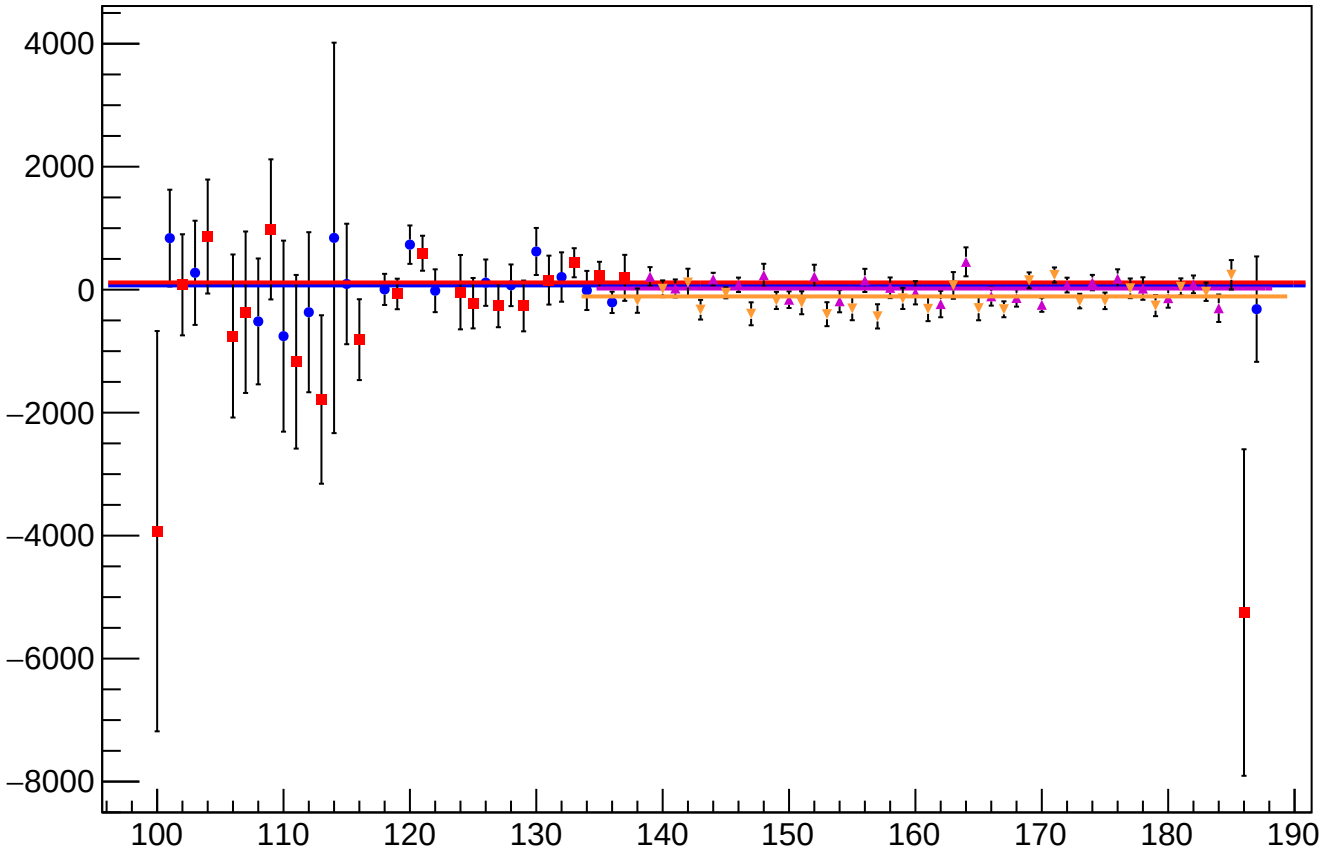
Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

Right: 63.995+/-0.012 χ^2/NDF: 3539598.1/36

In: 45.548+/-0.007 χ^2/NDF:3153805.0/39

Out: 45.406+/-0.006 χ^2/NDF:4280936.5/44

All: 45.475+/-0.005 χ^2/NDF: 7434981.1/84



Right In: 69.601+/-93.923 χ^2/NDF: 11.4/16

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 117.378+/-94.605 χ^2/NDF: 20.4/19

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

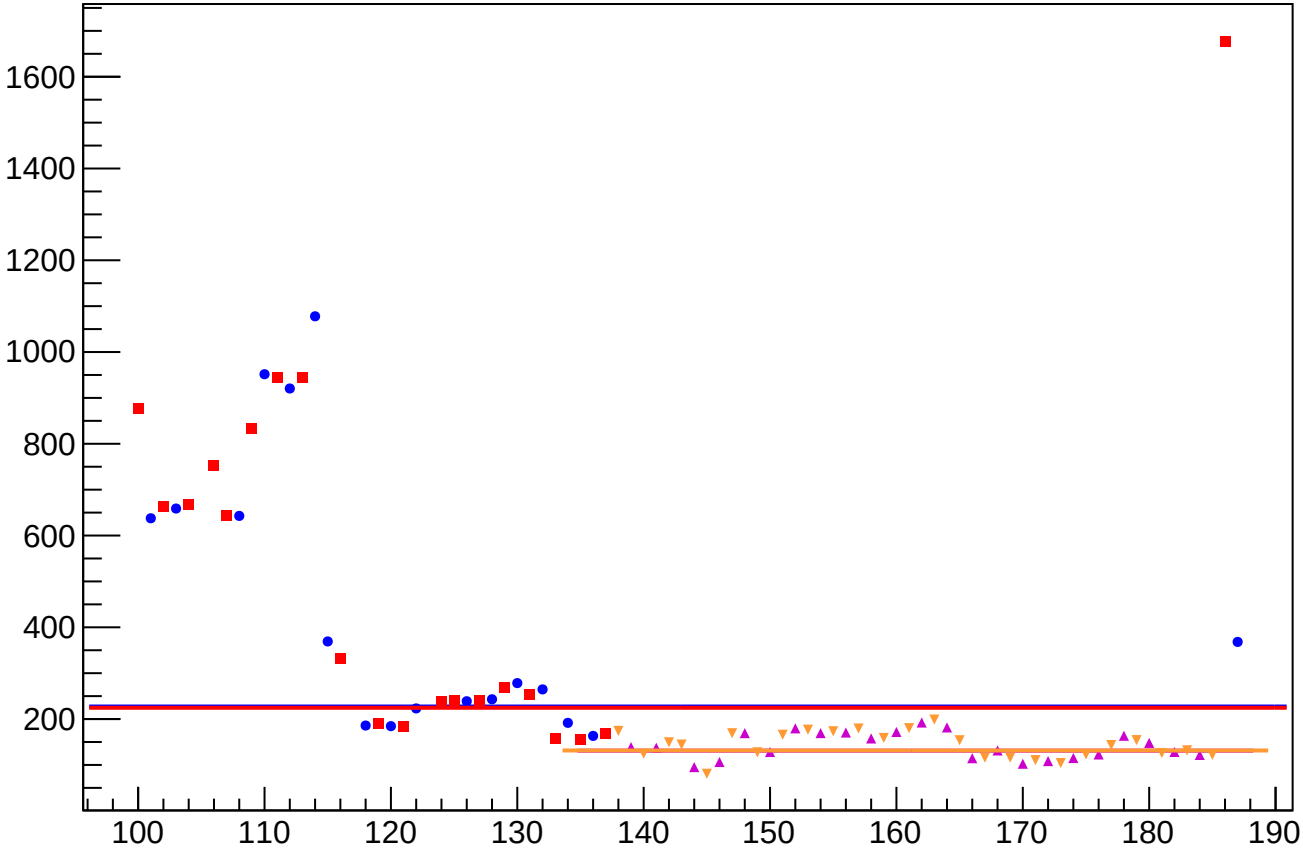
Right: 93.317+/-66.654 χ^2/NDF: 32.0/36

In: 23.964+/-29.845 χ^2/NDF:38.9/39

Out: -88.144+/-29.251 χ^2/NDF:61.9/44

All: -33.217+/-20.891 χ^2/NDF: 108.0/84

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 227.326+/-0.066 χ^2/NDF: 3080658.0/16

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 224.632+/-0.067 χ^2/NDF: 4447117.4/19

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

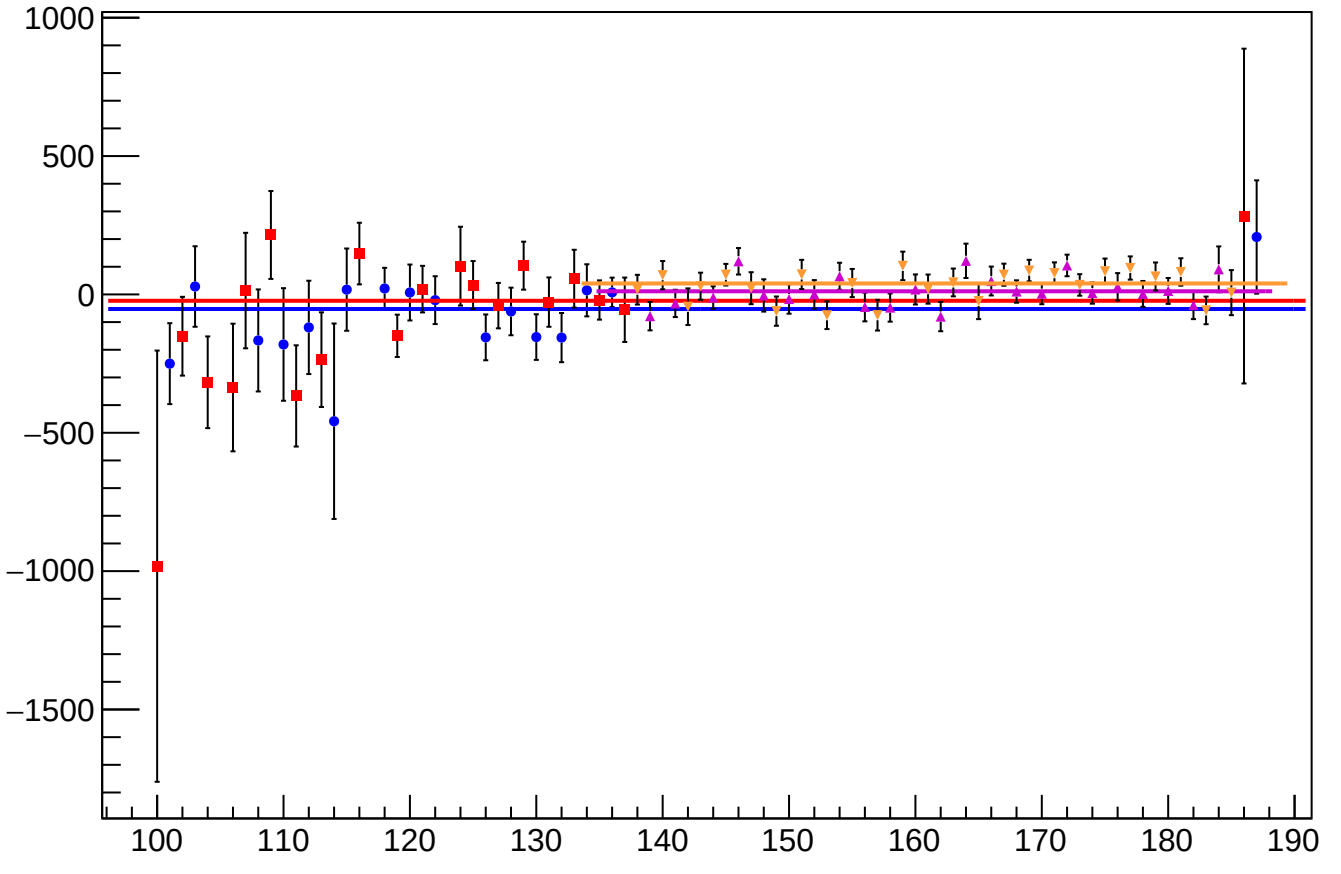
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 225.989+/-0.047 χ^2/NDF: 7528592.0/36

In: 140.793+/-0.021 χ^2/NDF:6436785.3/39

Out: 140.417+/-0.021 χ^2/NDF:8102403.2/44

All: 140.601+/-0.015 χ^2/NDF: 14539349.9/84



Right In: -52.691+/-24.315 χ^2/NDF: 13.9/16

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -22.969+/-25.139 χ^2/NDF: 24.3/19

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

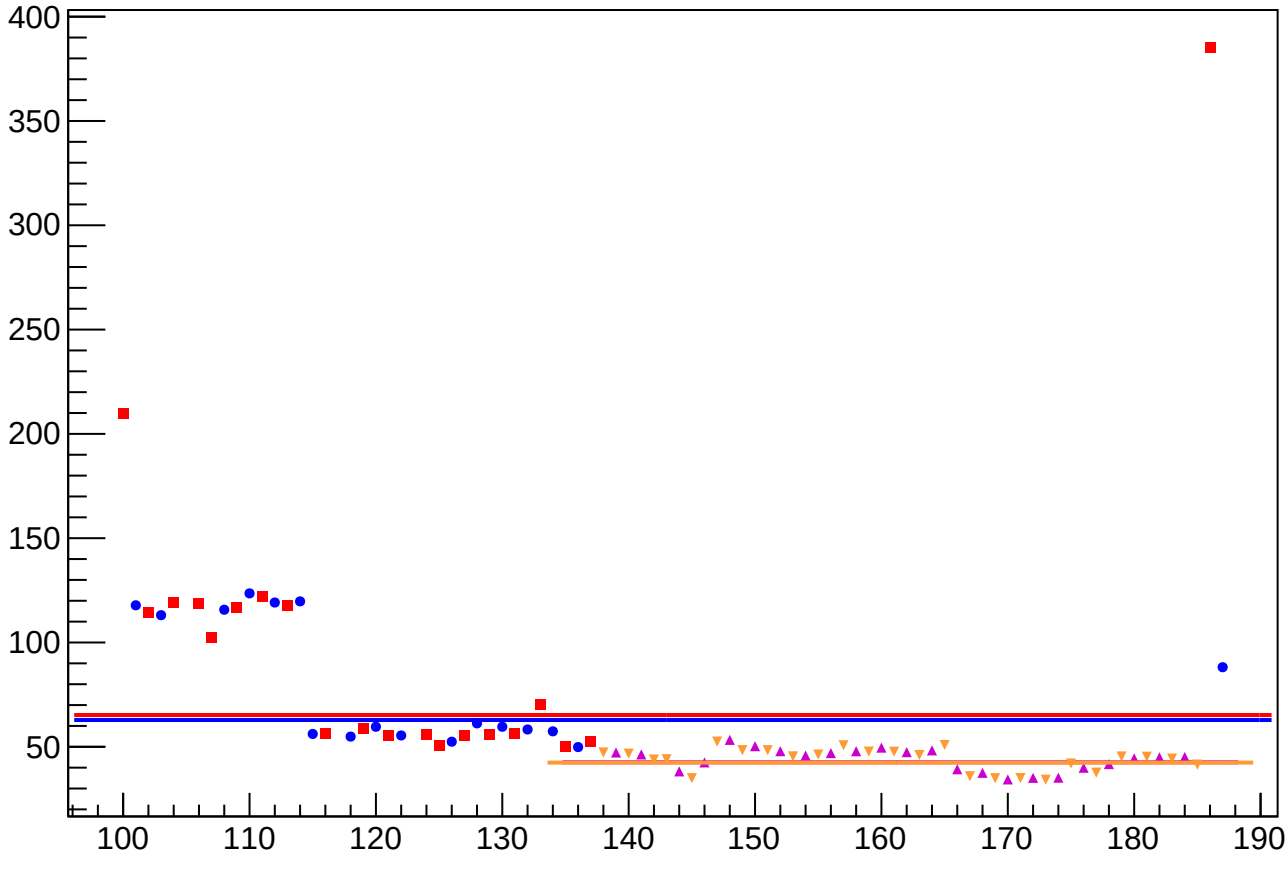
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -38.325+/-17.477 χ^2/NDF: 39.0/36

In: 1.925+/-9.309 χ^2/NDF:47.7/39

Out: 31.395+/-9.086 χ^2/NDF:59.3/44

All: 17.017+/-6.502 χ^2/NDF: 112.2/84



Right In: 62.836+/-0.017 χ^2/NDF: 1379220.9/16

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 65.234+/-0.018 χ^2/NDF: 2150942.6/19

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

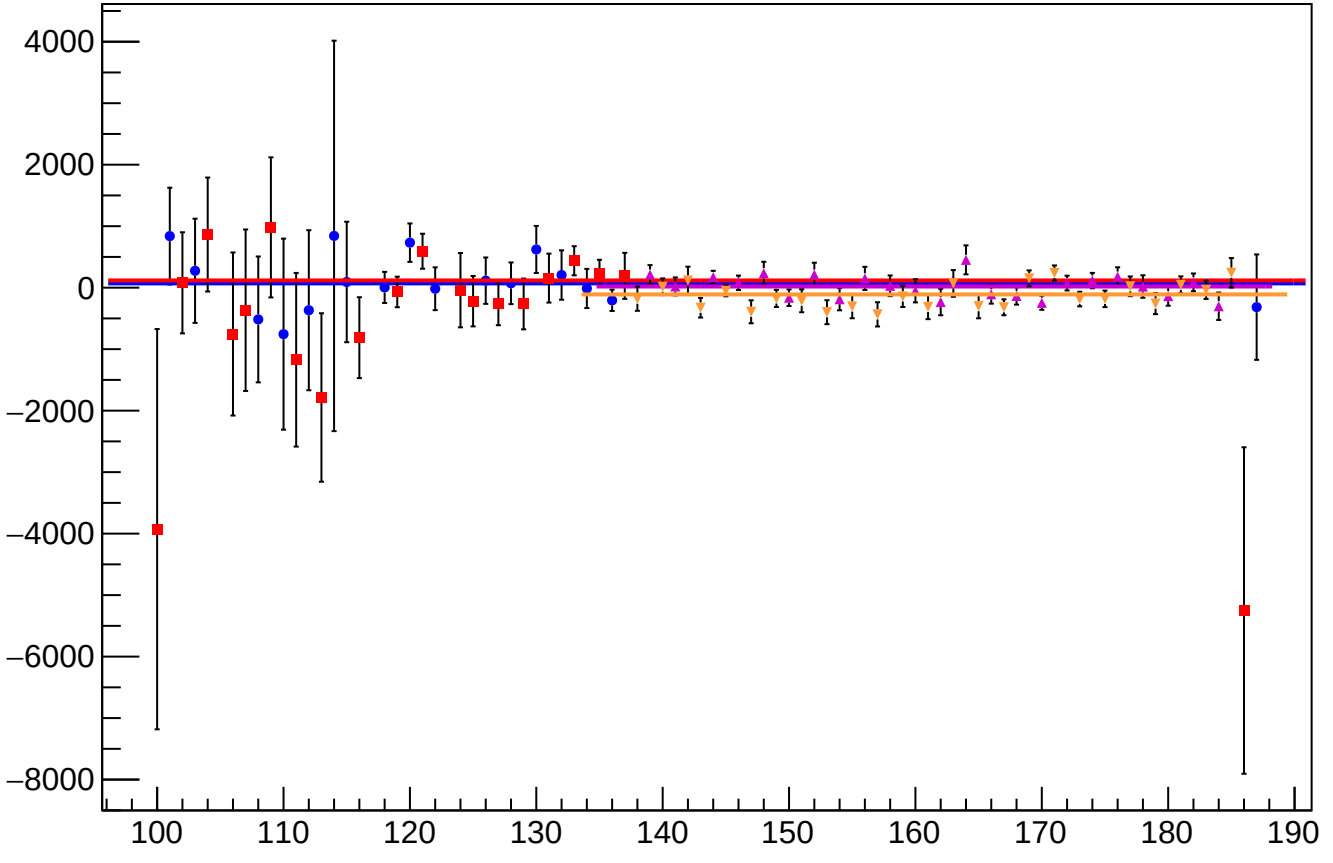
Right: 63.995+/-0.012 χ^2/NDF: 3539563.8/36

In: 45.548+/-0.007 χ^2/NDF:3153741.3/39

Out: 45.406+/-0.006 χ^2/NDF:4280912.7/44

All: 45.475+/-0.005 χ^2/NDF: 7434893.8/84

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 69.602+/-93.923 χ^2/NDF: 11.4/16

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 117.376+/-94.605 χ^2/NDF: 20.4/19

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

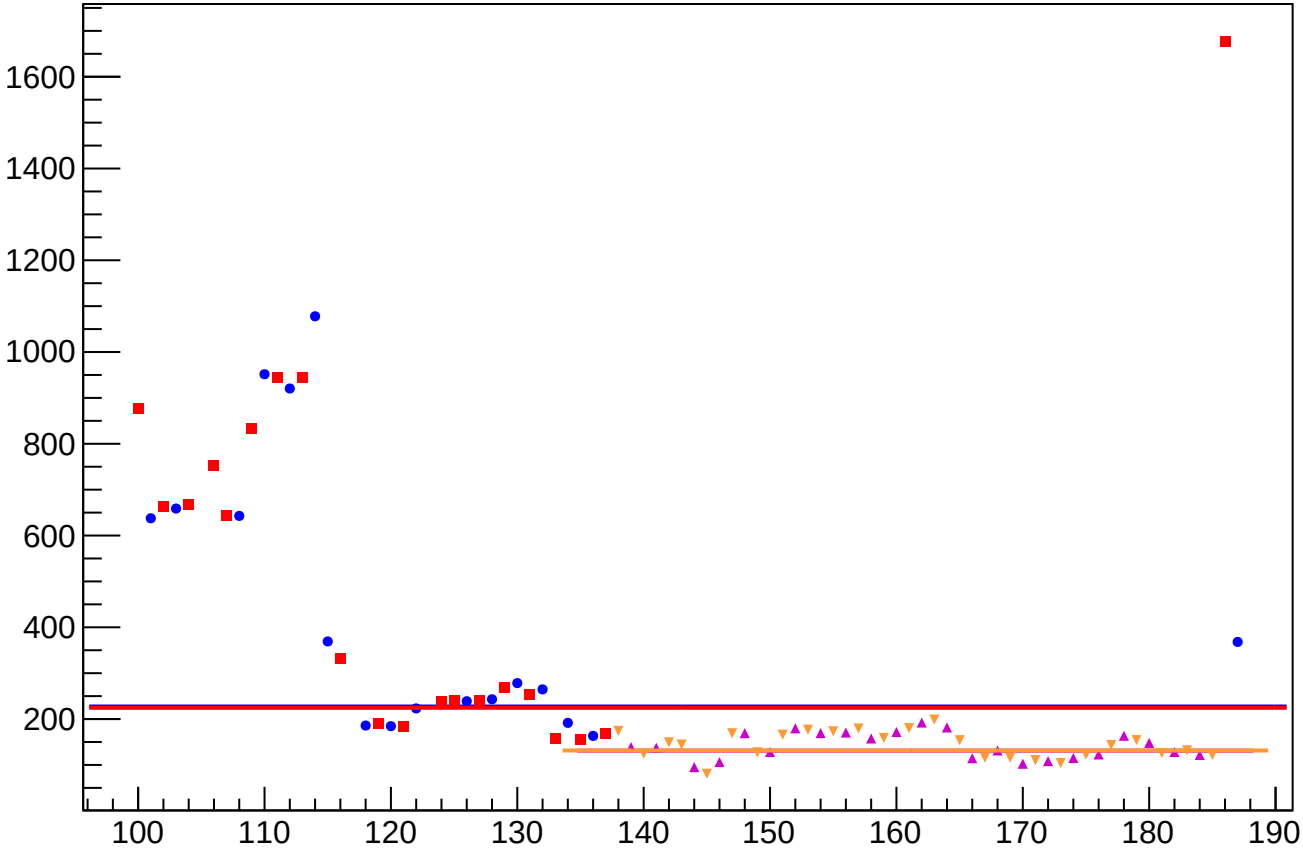
Right: 93.316+/-66.654 χ^2/NDF: 32.0/36

In: 23.964+/-29.845 χ^2/NDF:38.9/39

Out: -88.144+/-29.251 χ^2/NDF:61.9/44

All: -33.216+/-20.891 χ^2/NDF: 108.0/84

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 227.326+/-0.066 χ^2/NDF: 3080643.3/16

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 224.632+/-0.067 χ^2/NDF: 4447097.6/19

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

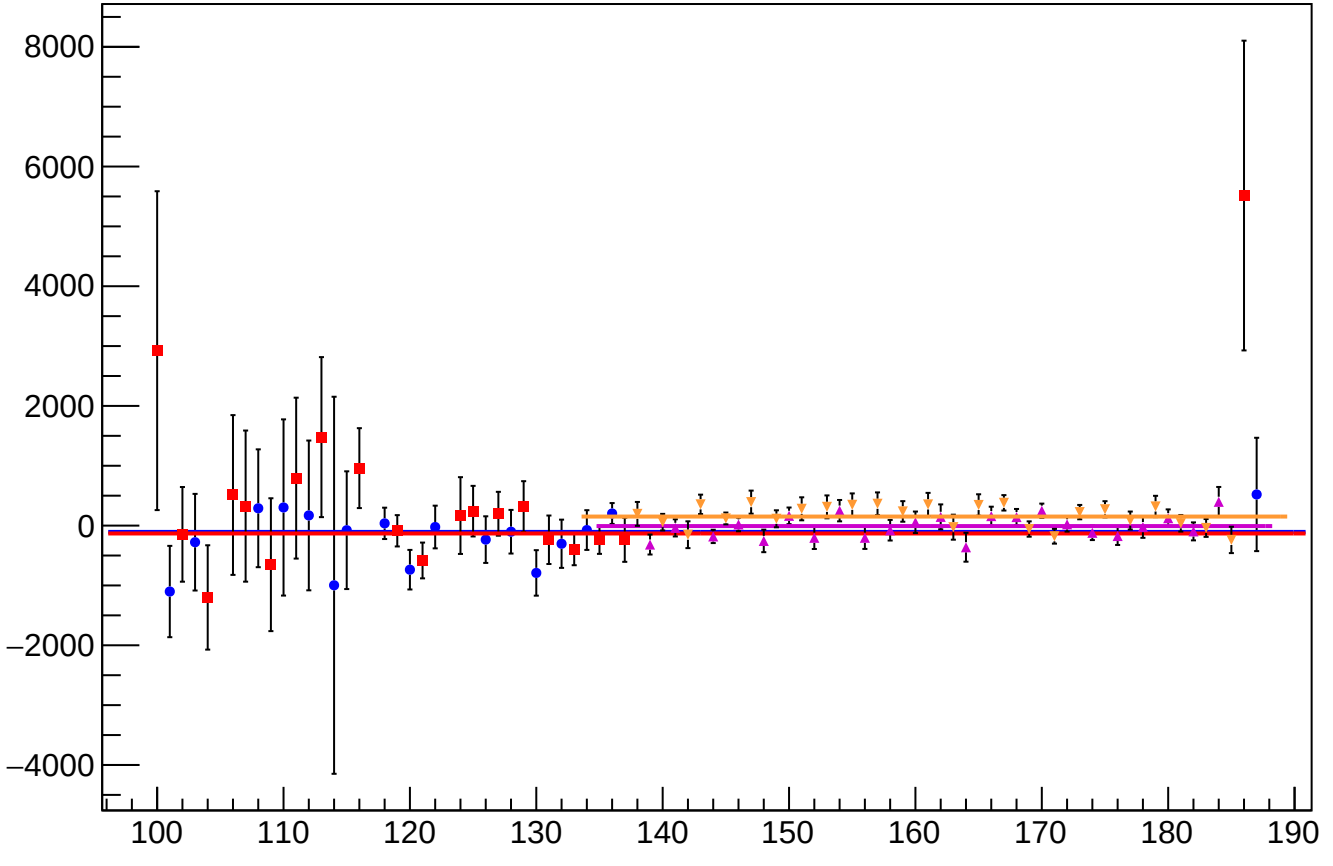
Right: 225.989+/-0.047 χ^2/NDF: 7528557.2/36

In: 140.793+/-0.021 χ^2/NDF:6436768.9/39

Out: 140.417+/-0.021 χ^2/NDF:8102382.7/44

All: 140.601+/-0.015 χ^2/NDF: 14539313.0/84

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -105.409+/-96.053 χ^2/NDF: 13.3/16

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -131.682+/-99.101 χ^2/NDF: 19.4/19

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

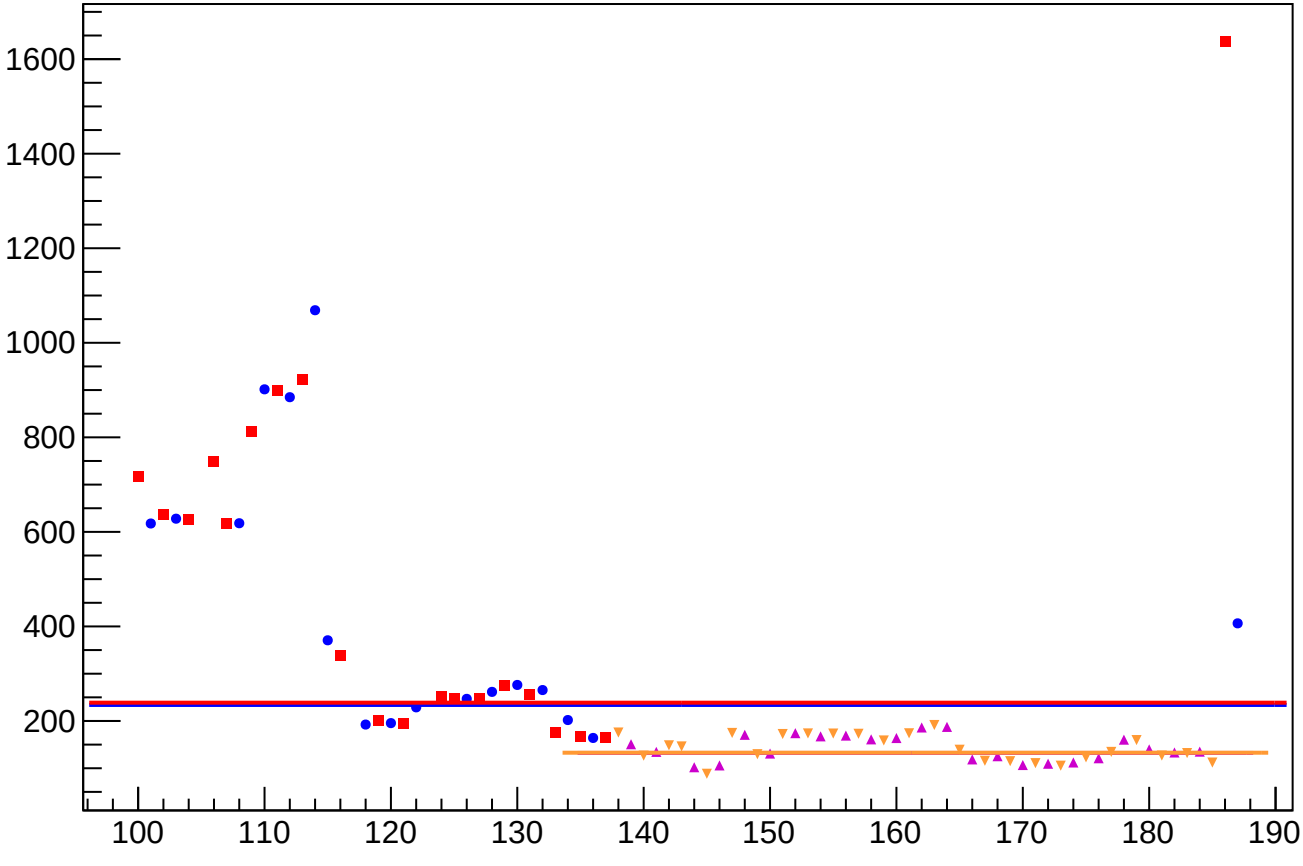
Right: -118.135+/-68.972 χ^2/NDF: 32.7/36

In: -17.471+/-30.035 χ^2/NDF:43.7/39

Out: 125.975+/-29.544 χ^2/NDF:59.9/44

All: 55.434+/-21.062 χ^2/NDF: 115.2/84

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 233.901+/-0.068 χ^2/NDF: 2952669.6/16

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 238.700+/-0.070 χ^2/NDF: 4105947.2/19

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

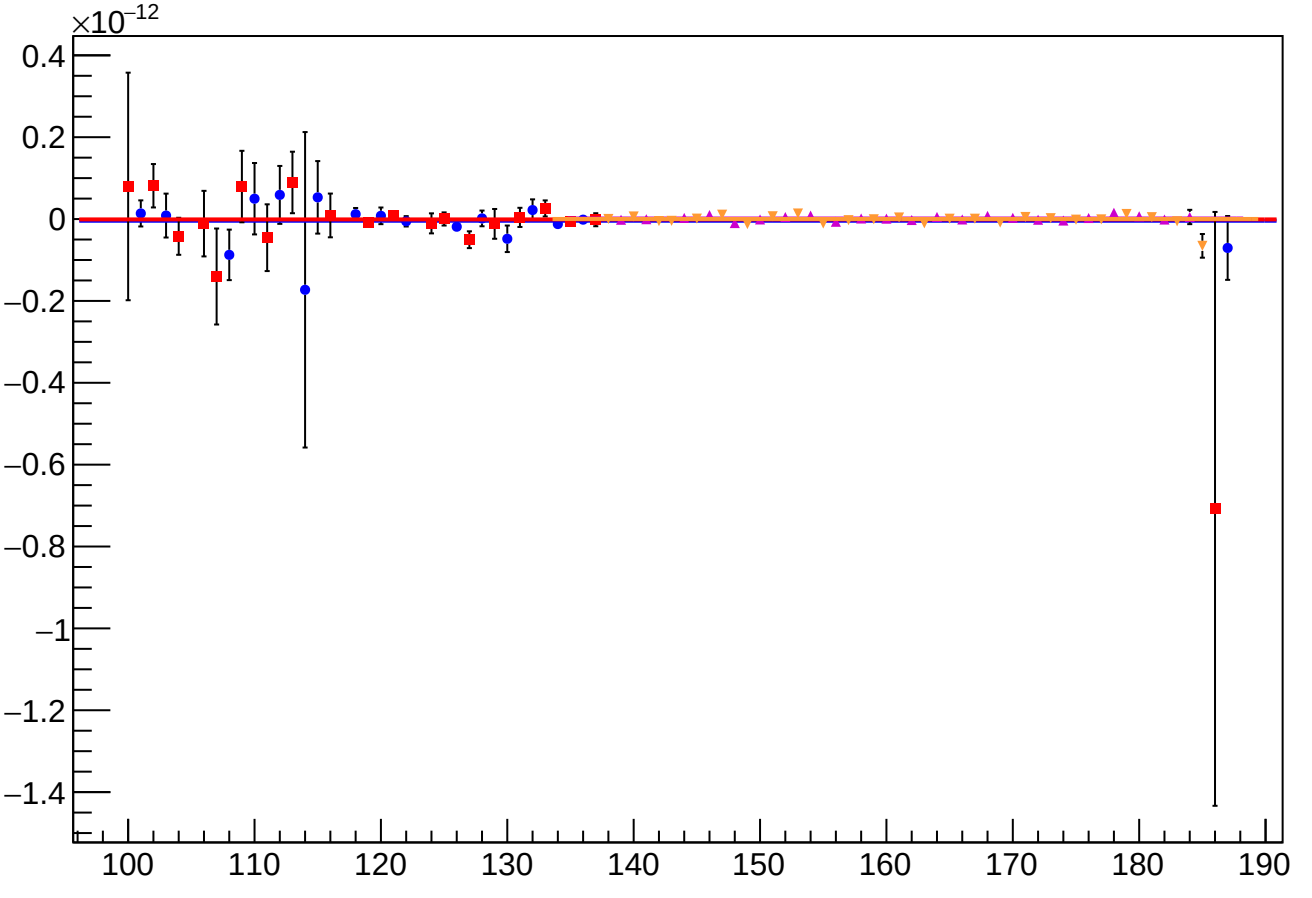
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 236.226+/-0.049 χ^2/NDF: 7061035.3/36

In: 142.272+/-0.021 χ^2/NDF:6247708.1/39

Out: 142.281+/-0.021 χ^2/NDF:7776158.9/44

All: 142.277+/-0.015 χ^2/NDF: 14023867.1/84



Right In: -0.000+/-0.000 χ^2/NDF: 12.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/19

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

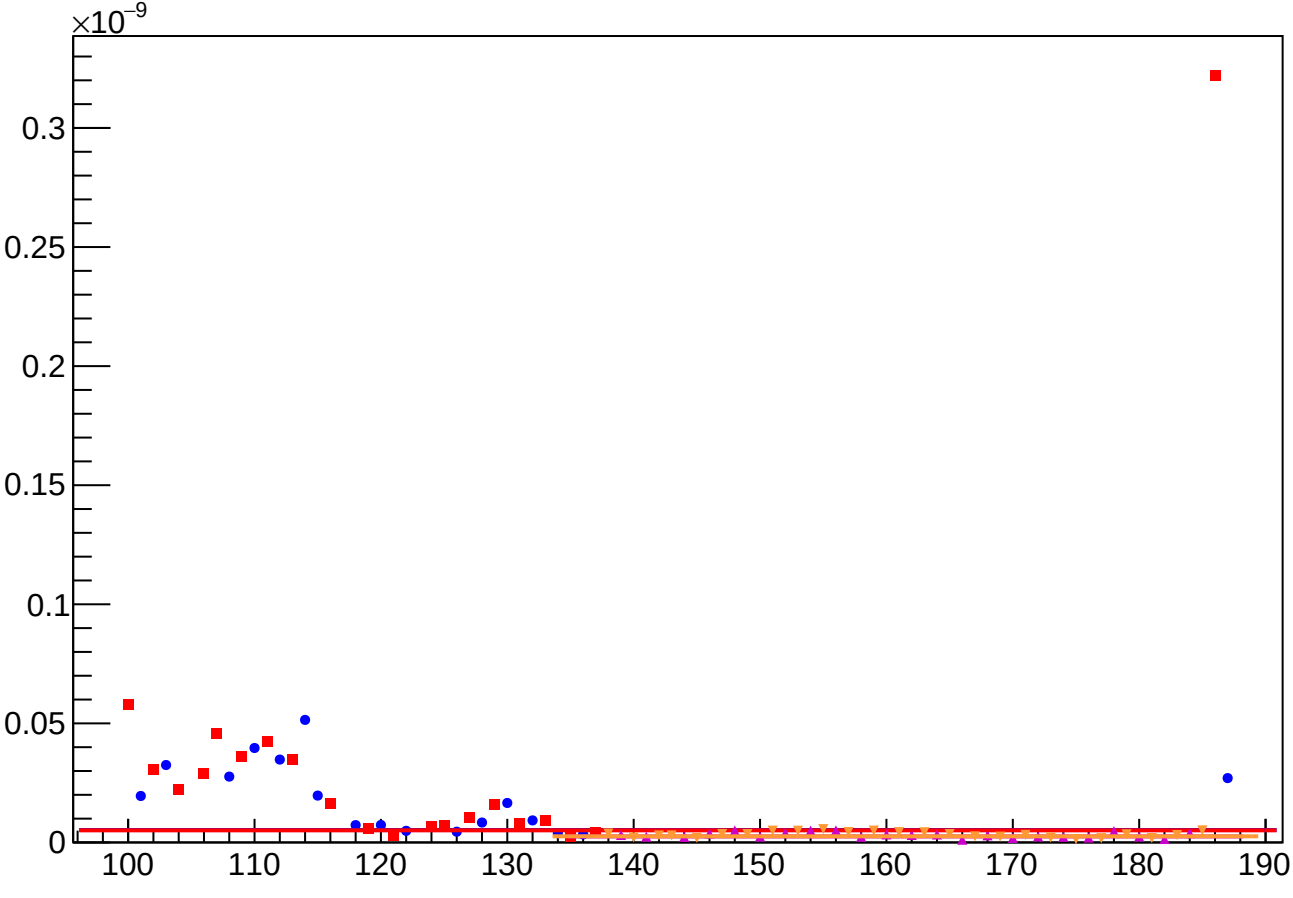
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.5/36

In: 0.000+/-0.000 χ^2/NDF:29.1/39

Out: 0.000+/-0.000 χ^2/NDF:51.3/44

All: 0.000+/-0.000 χ^2/NDF: 80.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 2775347.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3617938.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

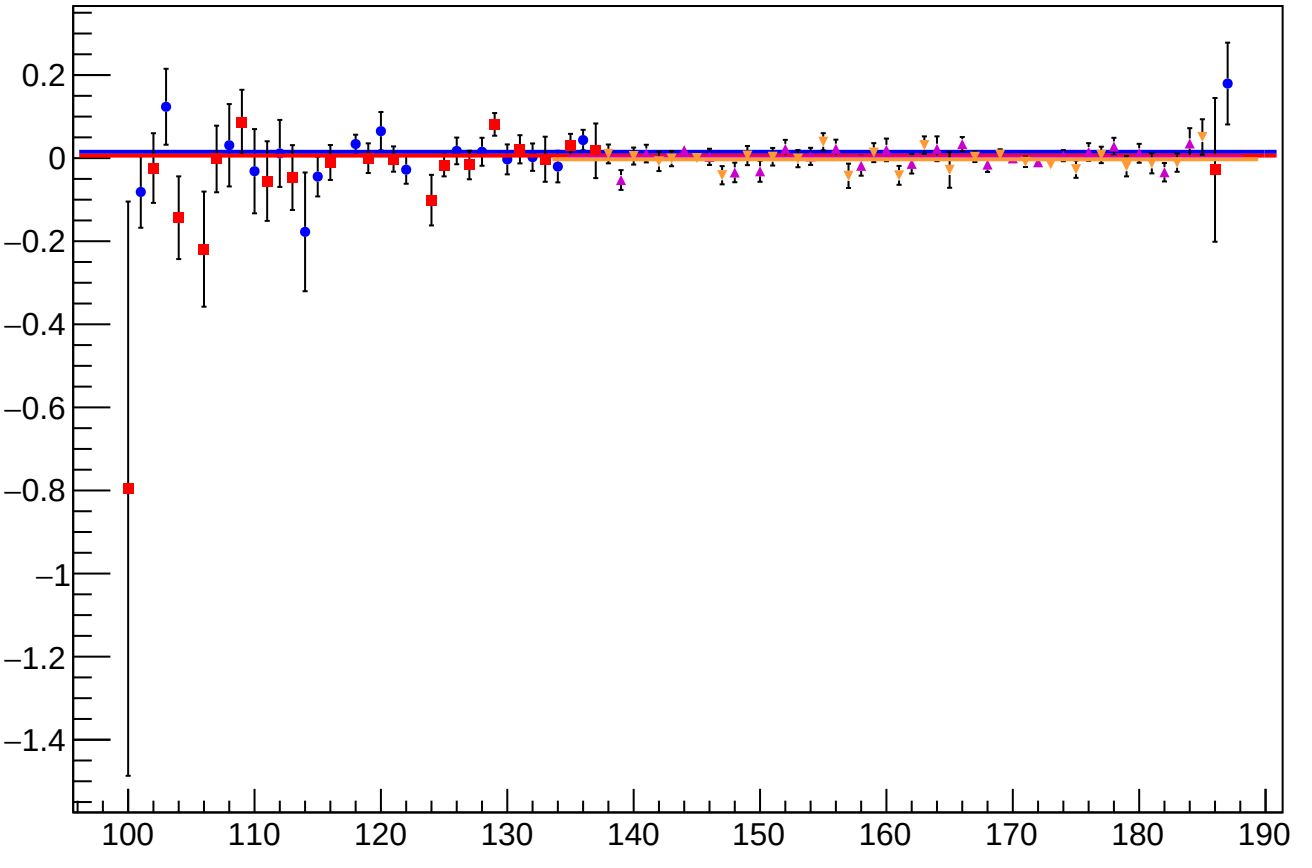
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 6394043.7/36

In: 0.000+/-0.000 χ^2/NDF:5294022.7/39

Out: 0.000+/-0.000 χ^2/NDF:6556109.7/44

All: 0.000+/-0.000 χ^2/NDF: 11850143.2/84



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

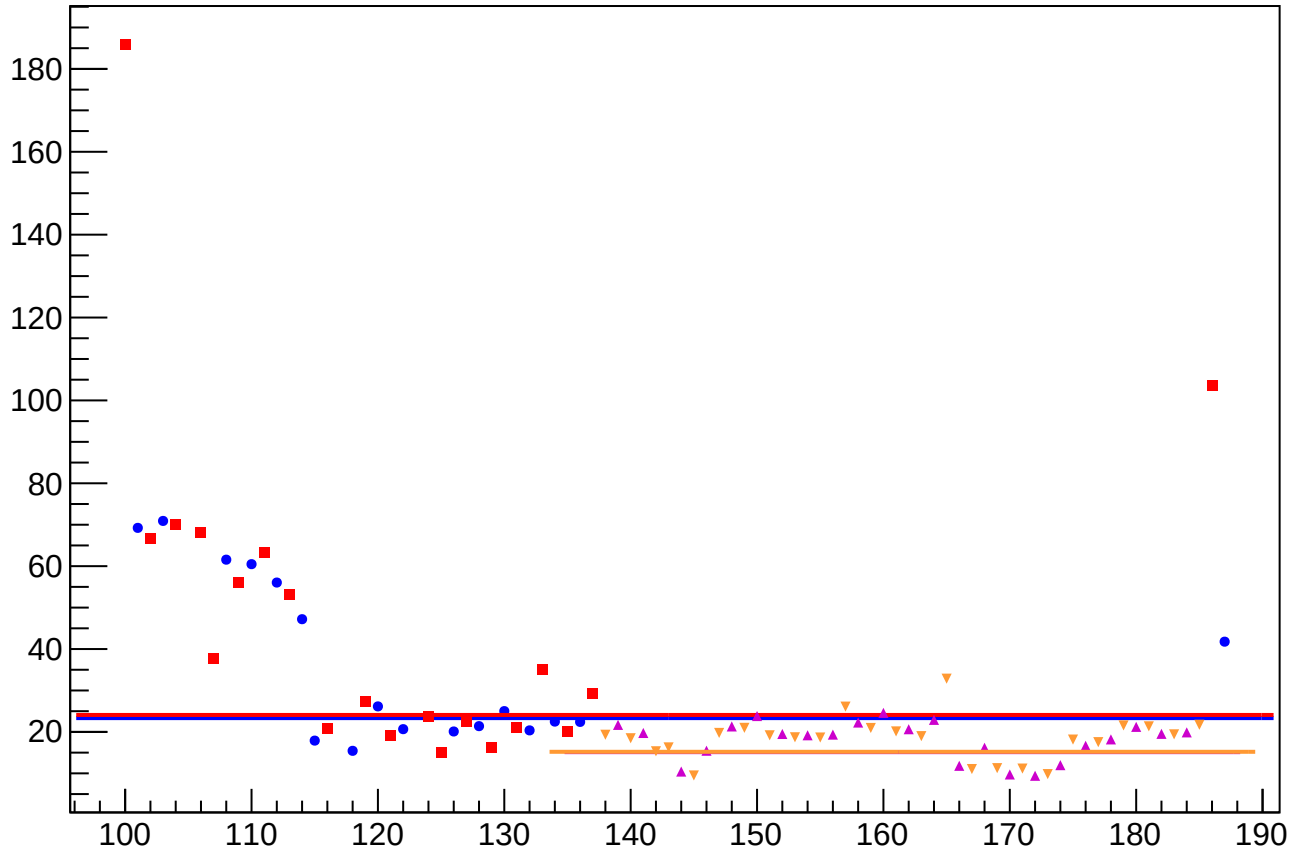
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.011+/-0.007 χ^2/NDF: 37.1/36

In: 0.004+/-0.004 χ^2/NDF:43.6/39

Out: -0.002+/-0.003 χ^2/NDF:44.8/44

All: 0.001+/-0.002 χ^2/NDF: 89.7/84



Right In: 23.330+/-0.007 χ^2/NDF: 2477421.9/16

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 24.094+/-0.007 χ^2/NDF: 3322595.1/19

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

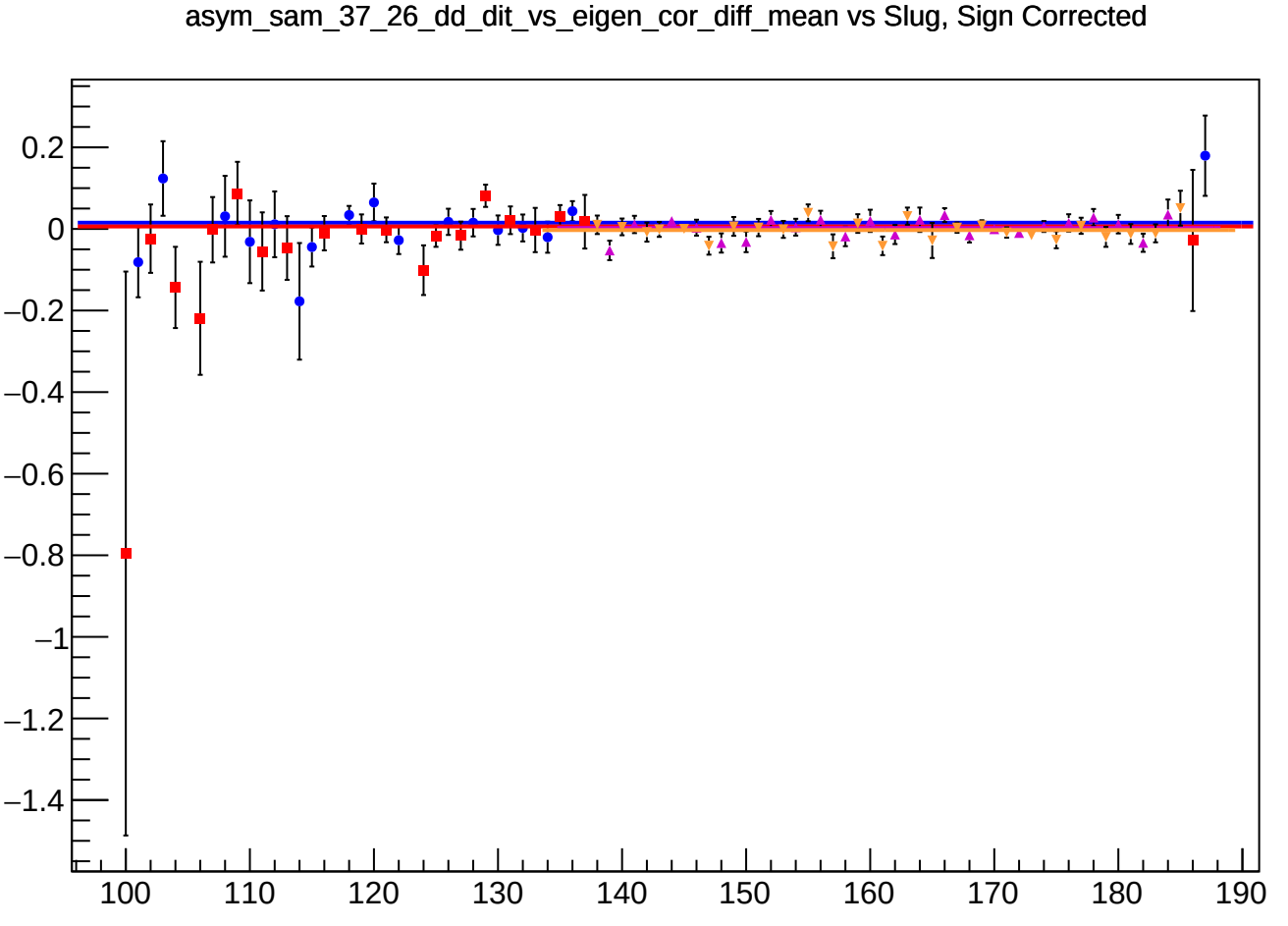
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 23.702+/-0.005 χ^2/NDF: 5805946.6/36

In: 16.203+/-0.003 χ^2/NDF:7099278.5/39

Out: 16.266+/-0.002 χ^2/NDF:8142769.4/44

All: 16.235+/-0.002 χ^2/NDF: 15242364.8/84



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

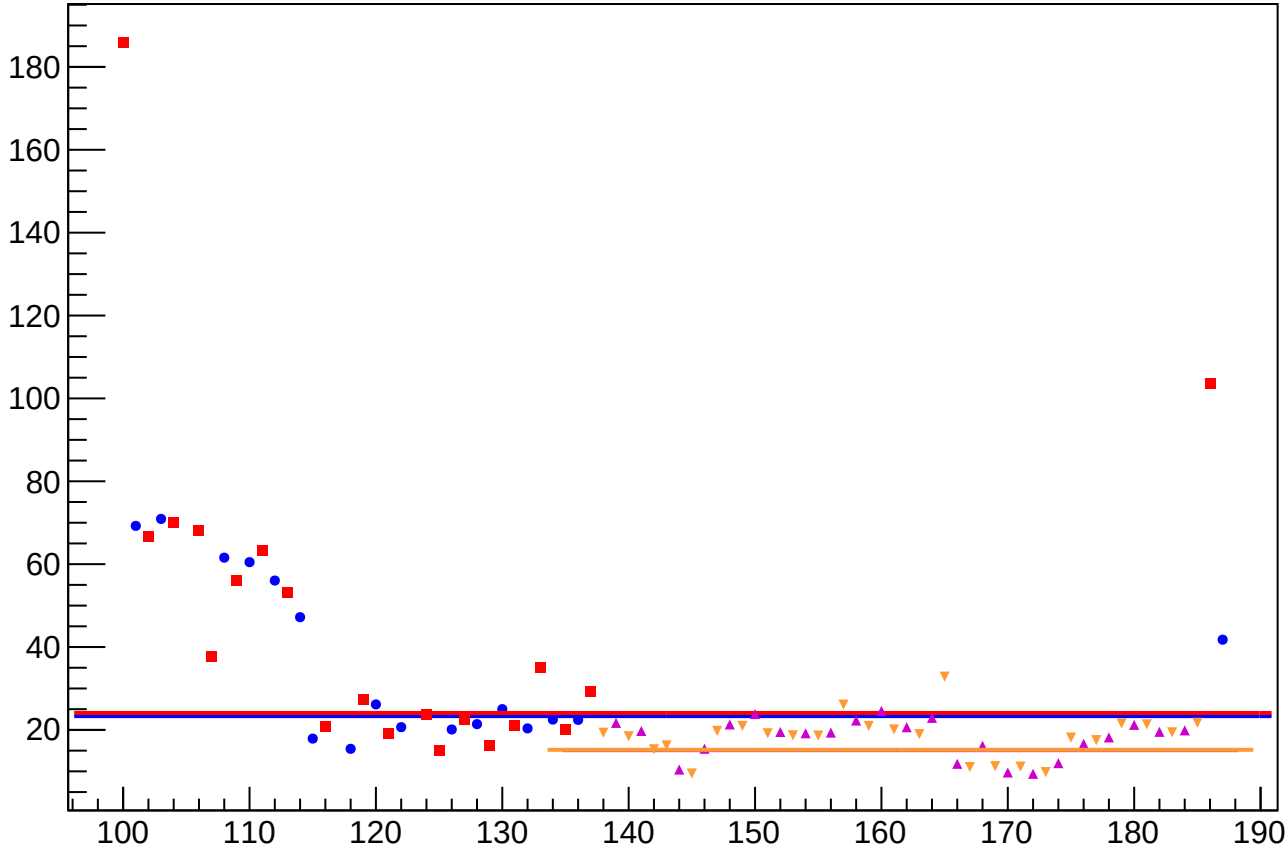
Right: 0.011+/-0.007 χ^2/NDF: 37.1/36

In: 0.004+/-0.004 χ^2/NDF:43.6/39

Out: -0.002+/-0.003 χ^2/NDF:44.8/44

All: 0.001+/-0.002 χ^2/NDF: 89.7/84

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.330+/-0.007 χ^2/NDF: 2477421.9/16

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 24.094+/-0.007 χ^2/NDF: 3322595.1/19

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

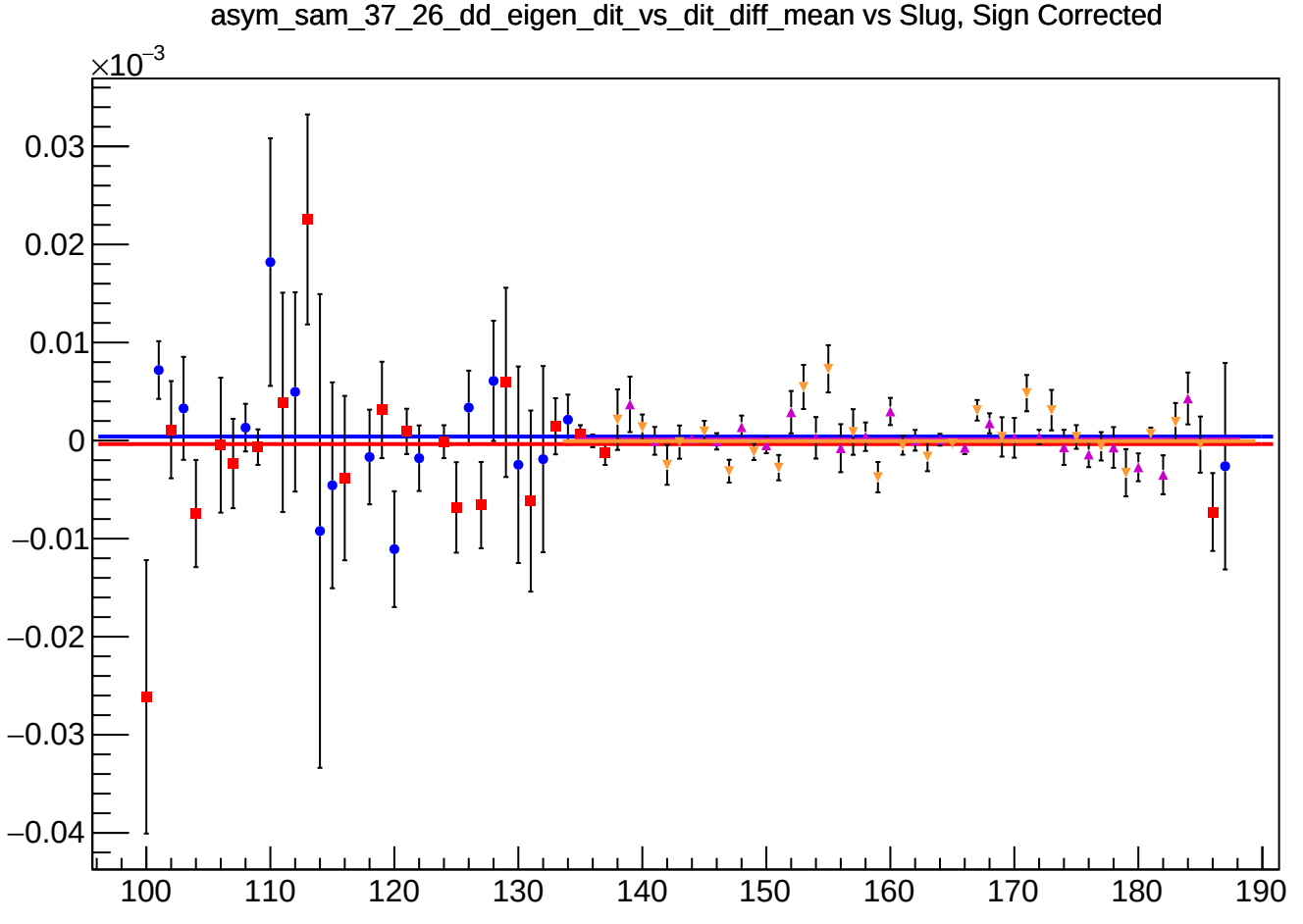
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 23.702+/-0.005 χ^2/NDF: 5805946.6/36

In: 16.203+/-0.003 χ^2/NDF:7099278.5/39

Out: 16.266+/-0.002 χ^2/NDF:8142769.4/44

All: 16.235+/-0.002 χ^2/NDF: 15242364.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

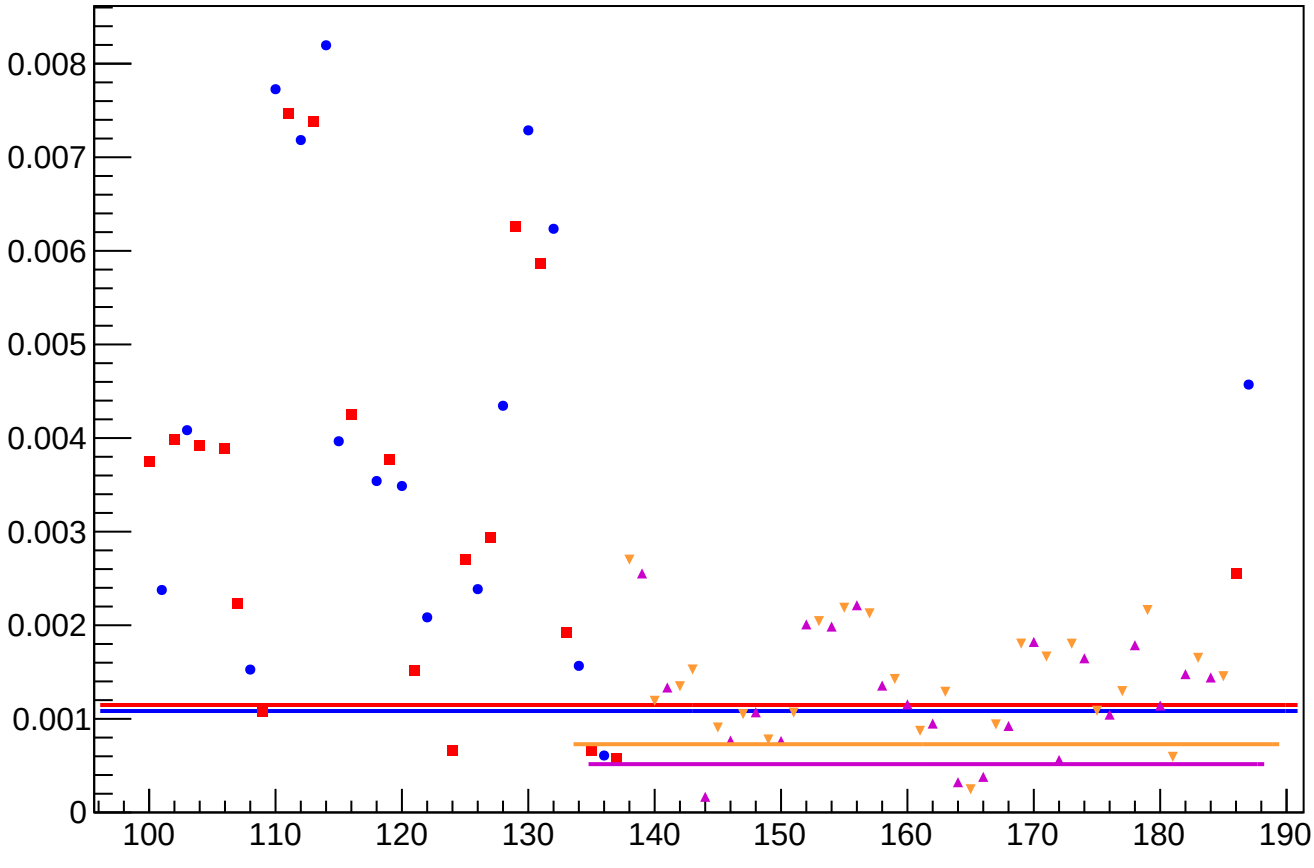
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 37.3/36

In: 0.000+/-0.000 χ^2/NDF:41.1/39

Out: -0.000+/-0.000 χ^2/NDF:84.1/44

All: 0.000+/-0.000 χ^2/NDF: 126.0/84



Right In: 0.001+/-0.000 χ^2/NDF: 7265502.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7050397.1/19

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

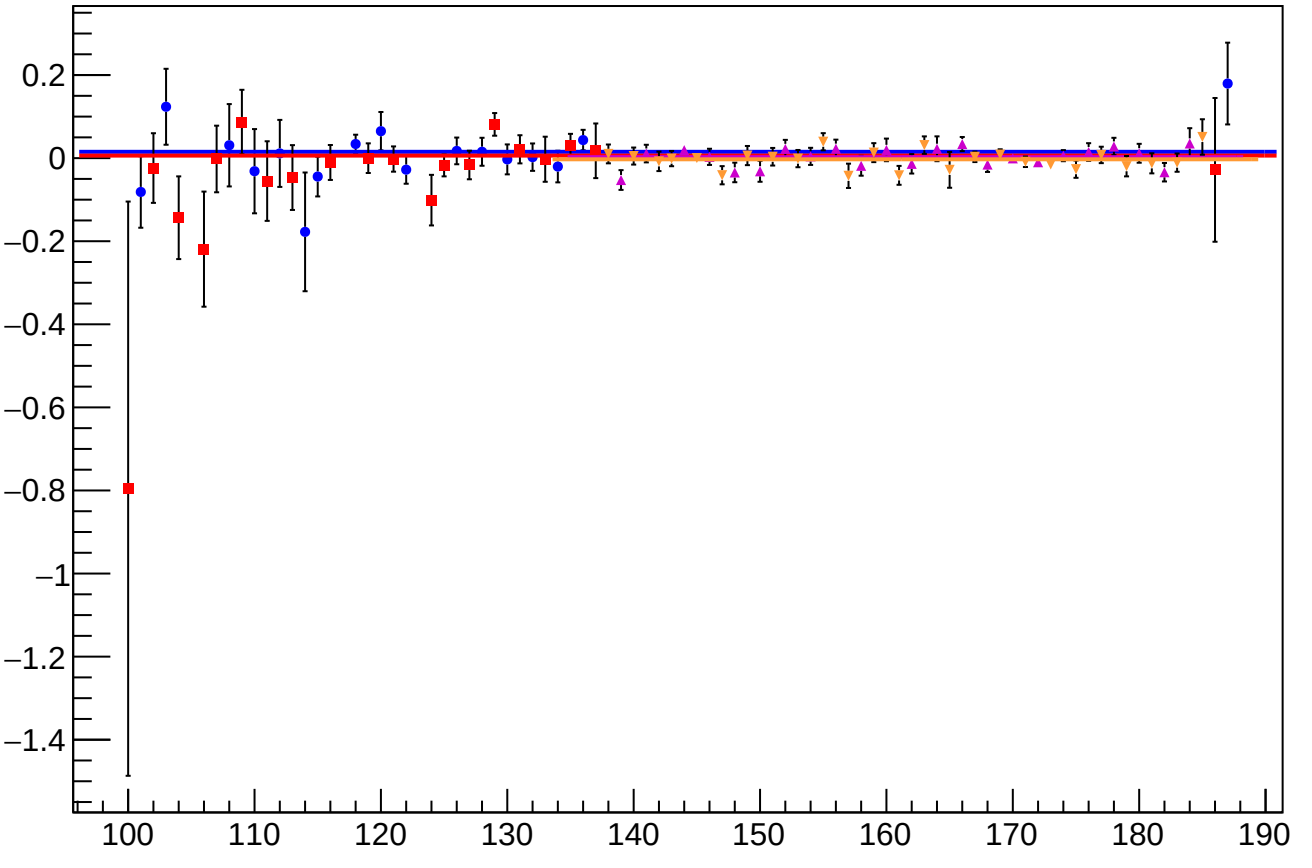
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 14329025.2/36

In: 0.001+/-0.000 χ^2/NDF:24161400.0/39

Out: 0.001+/-0.000 χ^2/NDF:21146743.6/44

All: 0.001+/-0.000 χ^2/NDF: 46680966.3/84



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

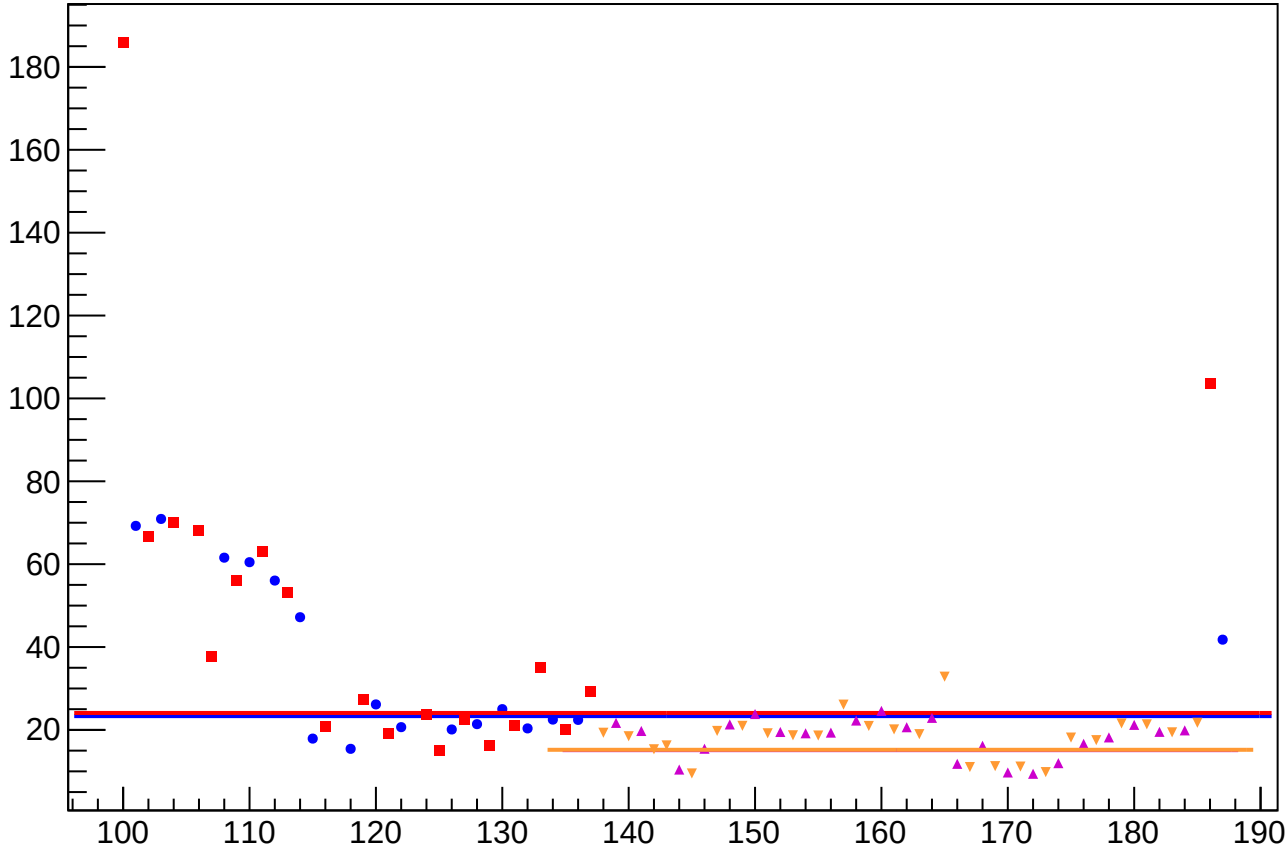
Right: 0.011+/-0.007 χ^2/NDF: 37.1/36

In: 0.004+/-0.004 χ^2/NDF:43.6/39

Out: -0.002+/-0.003 χ^2/NDF:44.8/44

All: 0.001+/-0.002 χ^2/NDF: 89.7/84

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.328+/-0.007 χ^2/NDF: 2477465.2/16

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 24.093+/-0.007 χ^2/NDF: 3322550.5/19

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

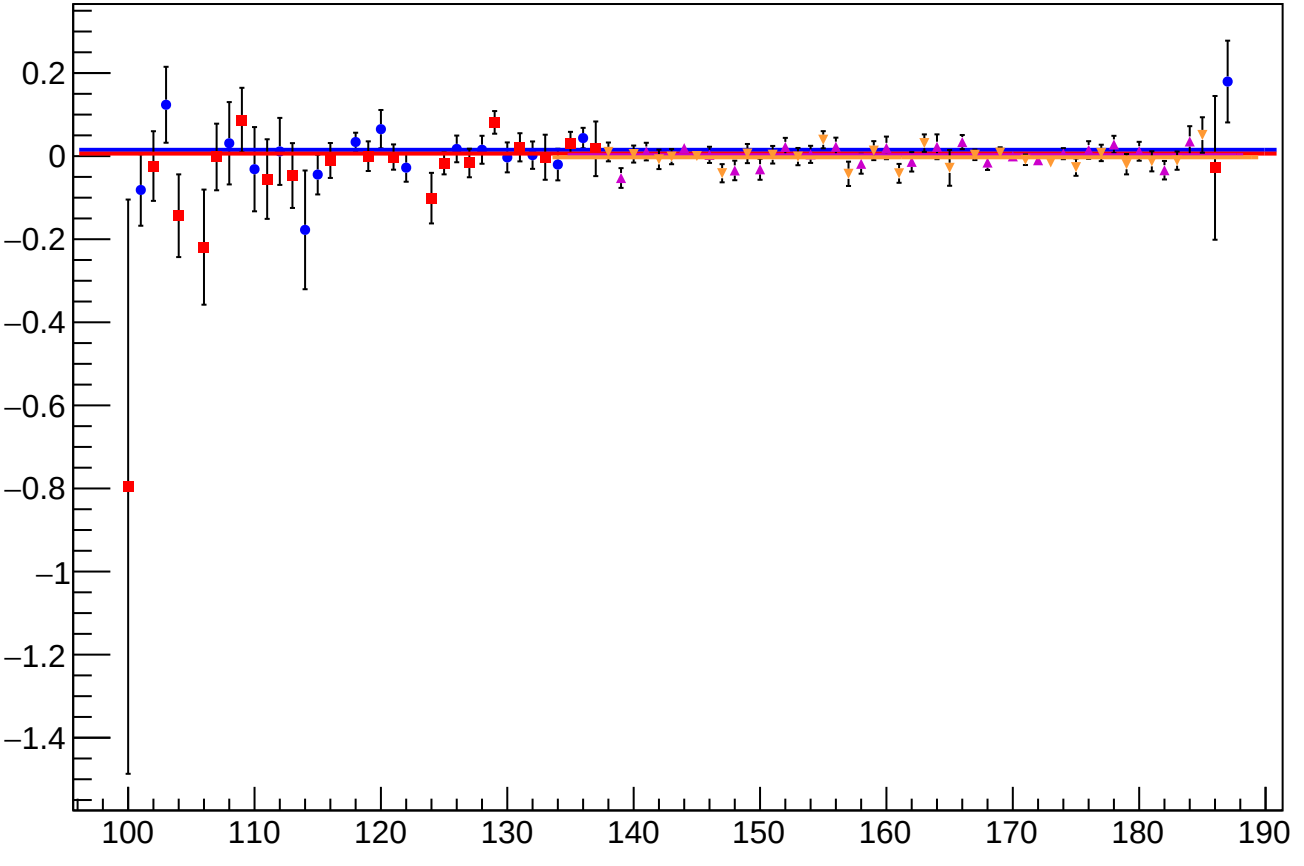
Right: 23.701+/-0.005 χ^2/NDF: 5805956.4/36

In: 16.203+/-0.003 χ^2/NDF:7099048.0/39

Out: 16.266+/-0.002 χ^2/NDF:8142680.5/44

All: 16.235+/-0.002 χ^2/NDF: 15242045.5/84

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

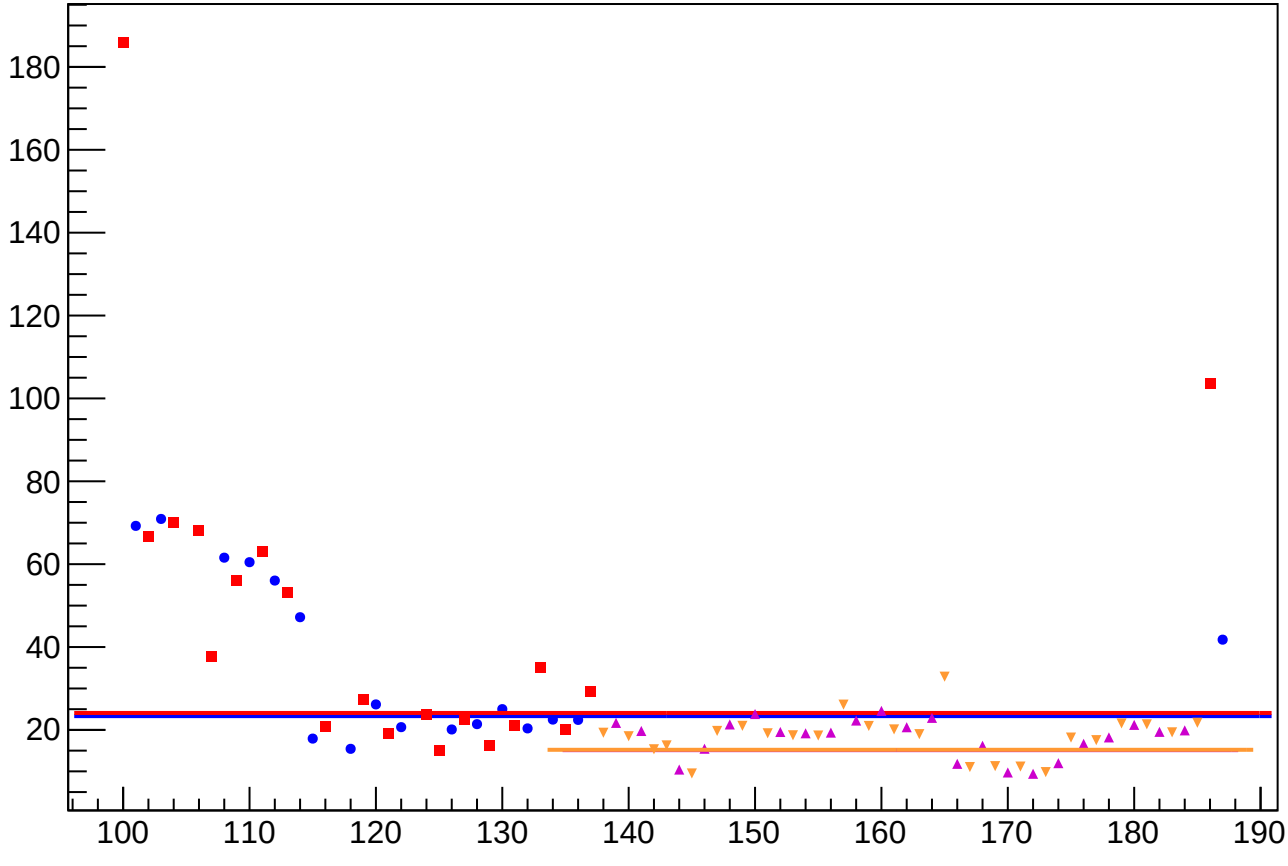
Right: 0.011+/-0.007 χ^2/NDF: 37.1/36

In: 0.004+/-0.004 χ^2/NDF:43.6/39

Out: -0.002+/-0.003 χ^2/NDF:44.8/44

All: 0.001+/-0.002 χ^2/NDF: 89.7/84

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.328+/-0.007 χ^2/NDF: 2477465.2/16

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 24.093+/-0.007 χ^2/NDF: 3322550.5/19

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

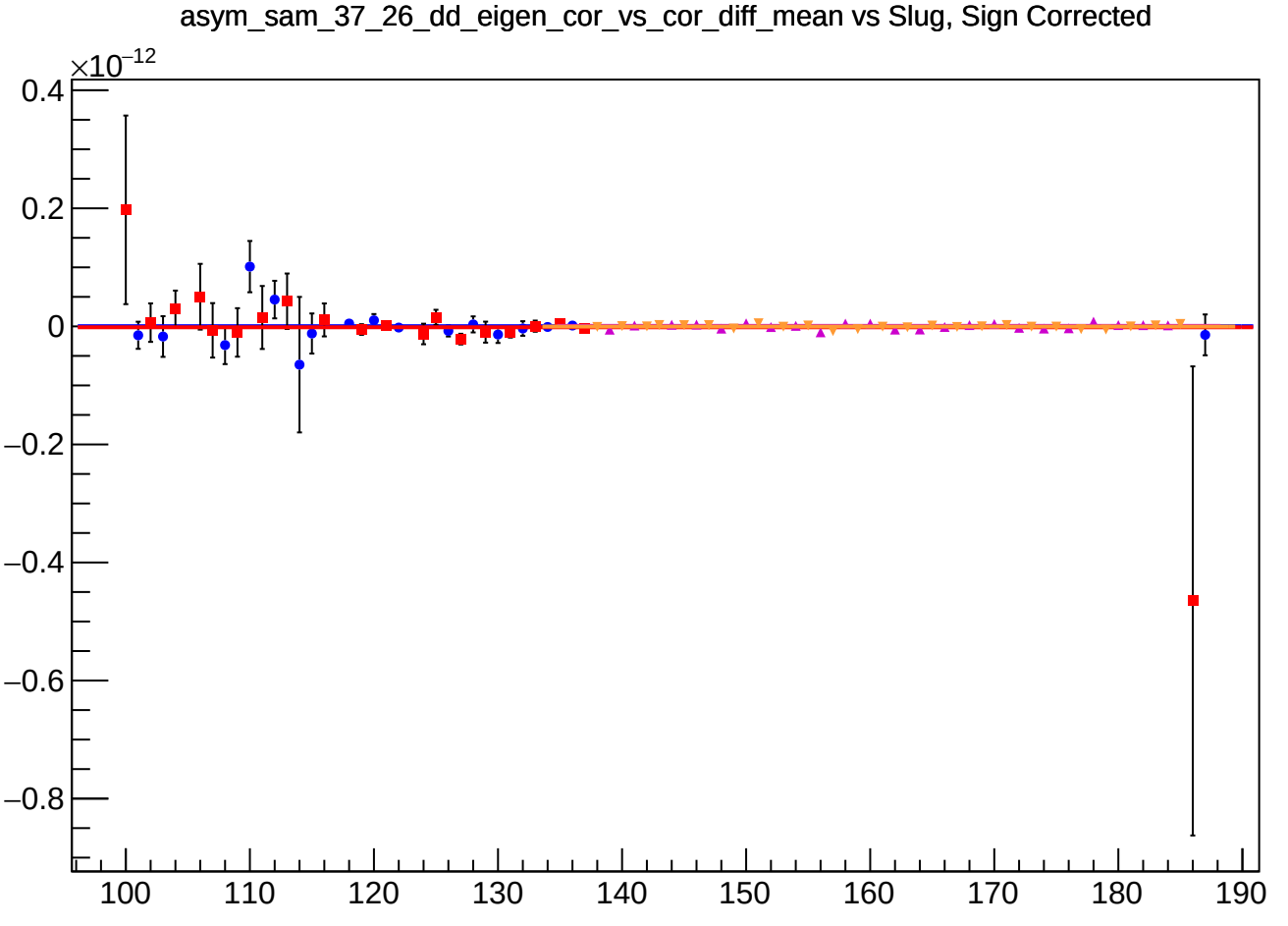
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 23.701+/-0.005 χ^2/NDF: 5805956.4/36

In: 16.203+/-0.003 χ^2/NDF:7099048.0/39

Out: 16.266+/-0.002 χ^2/NDF:8142680.5/44

All: 16.235+/-0.002 χ^2/NDF: 15242045.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.9/19

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

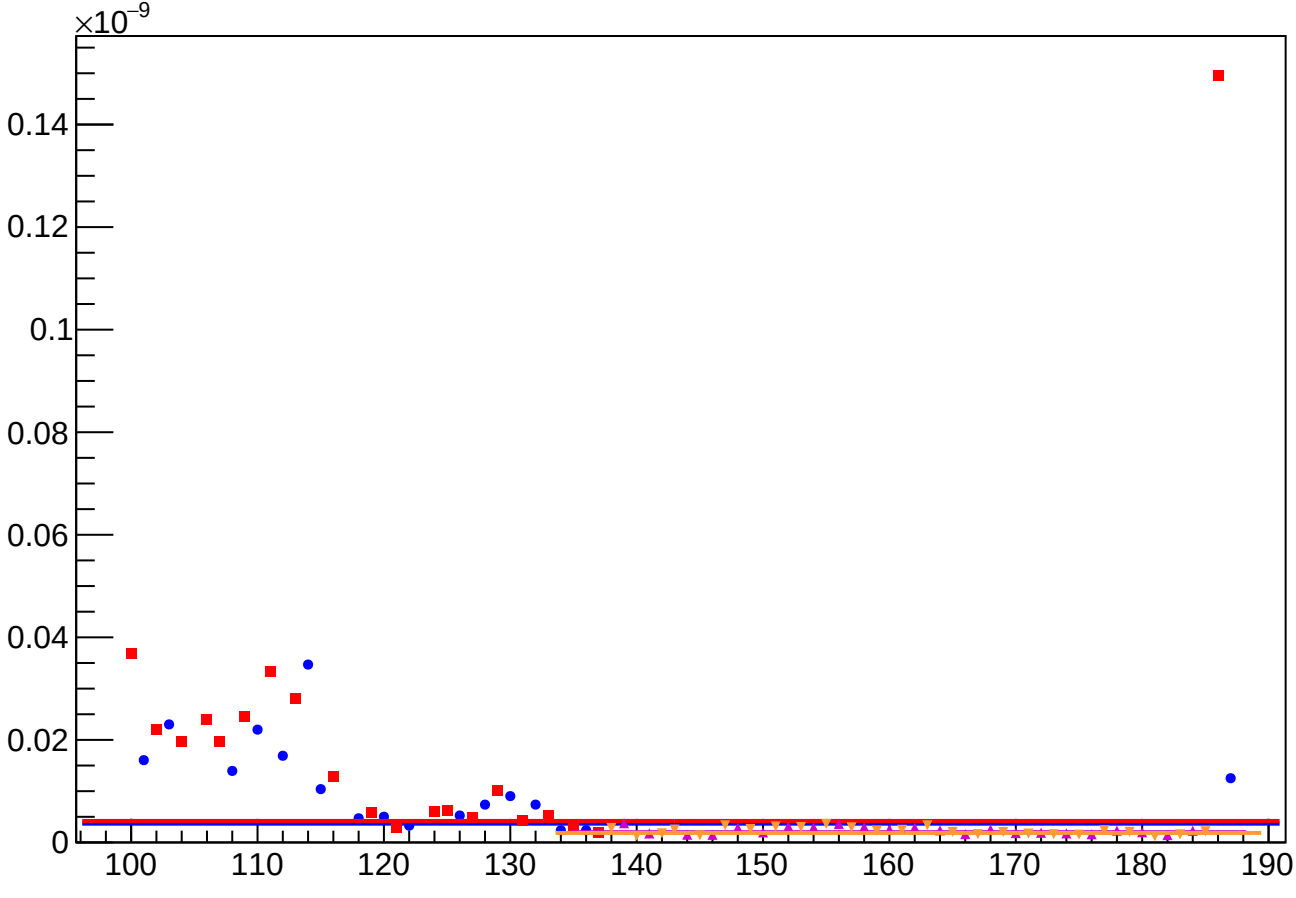
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: -0.000+/-0.000 χ^2/NDF: 30.4/36

In: 0.000+/-0.000 χ^2/NDF:52.7/39

Out: -0.000+/-0.000 χ^2/NDF:38.6/44

All: 0.000+/-0.000 χ^2/NDF: 93.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 3721924.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4722474.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

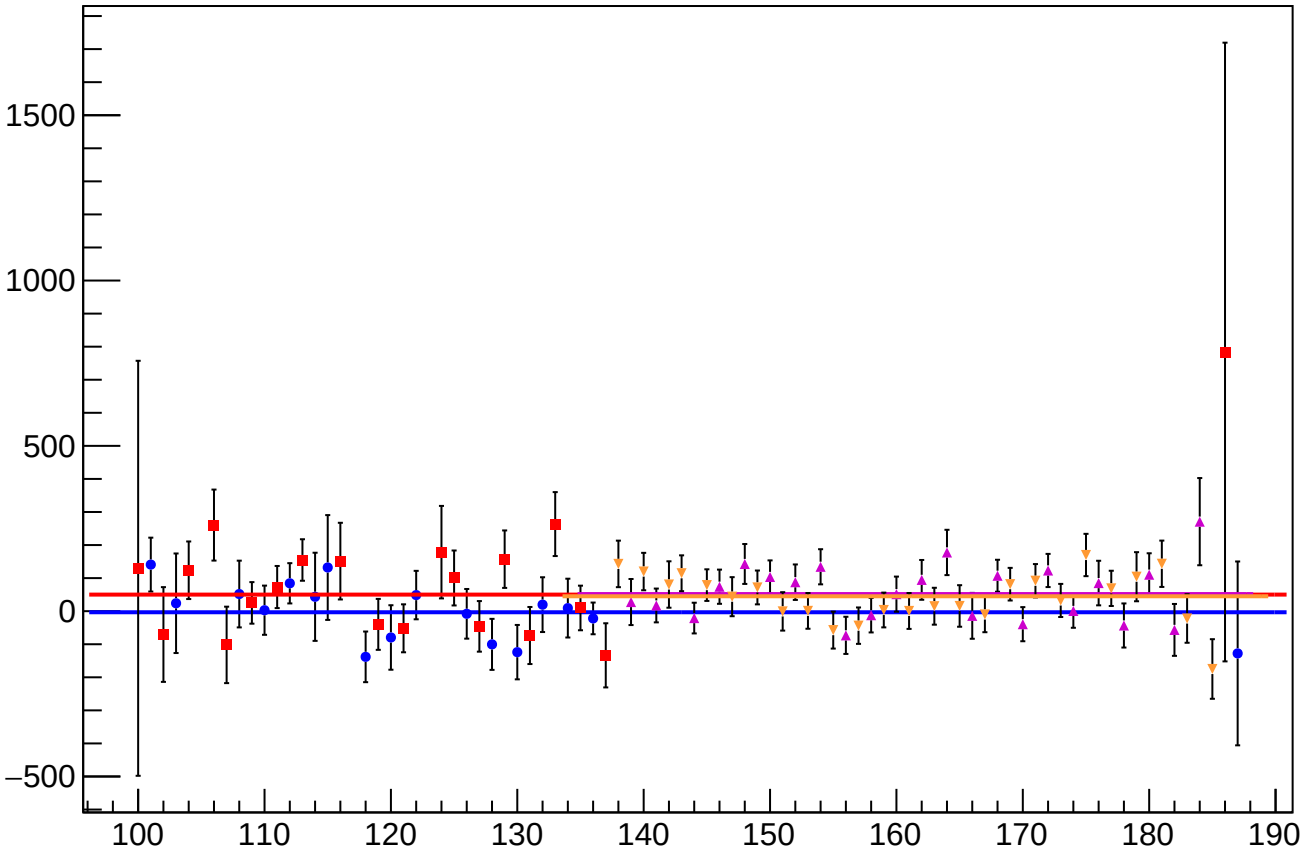
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8502167.7/36

In: 0.000+/-0.000 χ^2/NDF:6885781.2/39

Out: 0.000+/-0.000 χ^2/NDF:9237664.3/44

All: 0.000+/-0.000 χ^2/NDF: 16204106.9/84



Right In: -3.258+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 50.132+/-19.617 χ^2/NDF: 30.0/19

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

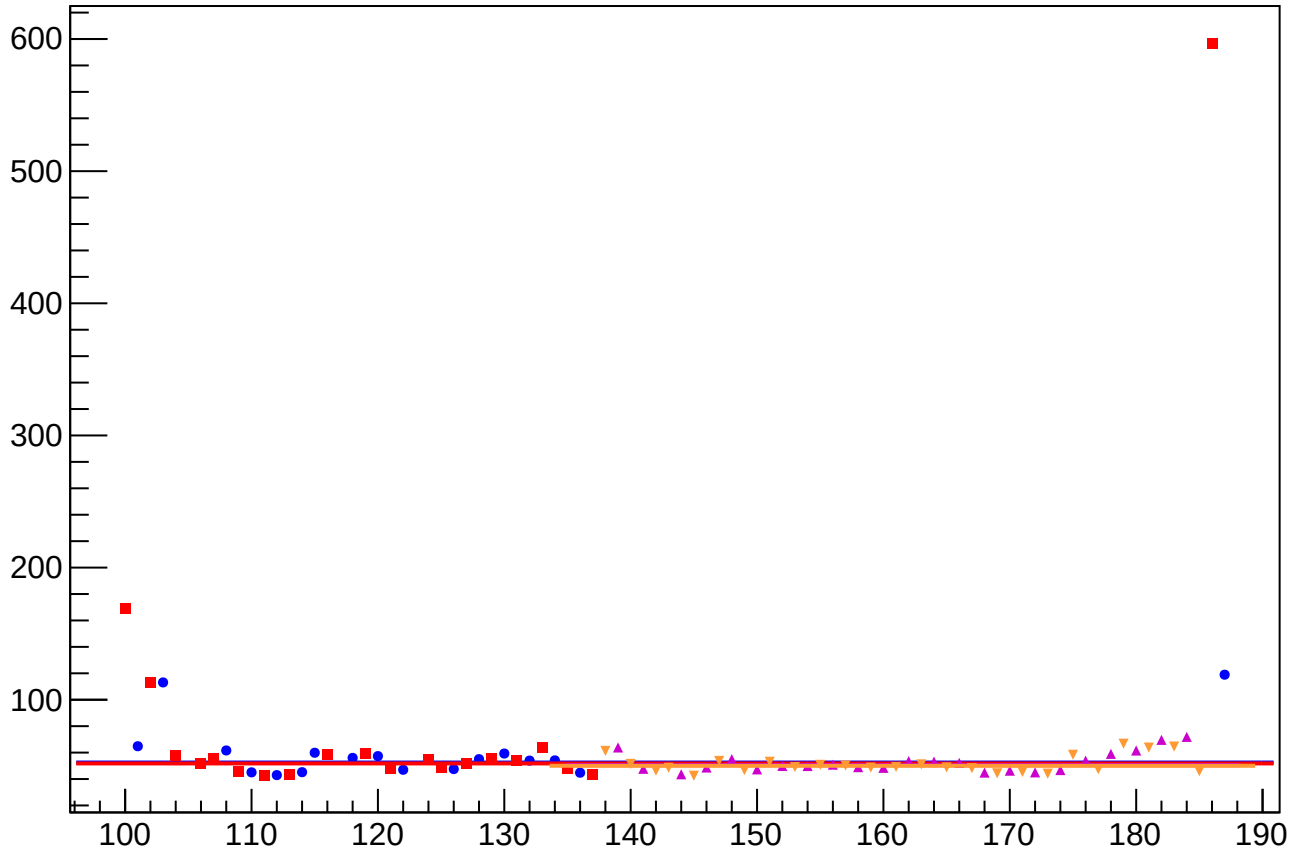
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 23.877+/-13.985 χ^2/NDF: 48.4/36

In: 37.157+/-10.237 χ^2/NDF:56.2/39

Out: 46.381+/-9.917 χ^2/NDF:61.4/44

All: 41.915+/-7.123 χ^2/NDF: 118.0/84



Right In: 52.472+/-0.014 χ^2/NDF: 677853.0/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 51.789+/-0.014 χ^2/NDF: 1317908.0/19

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

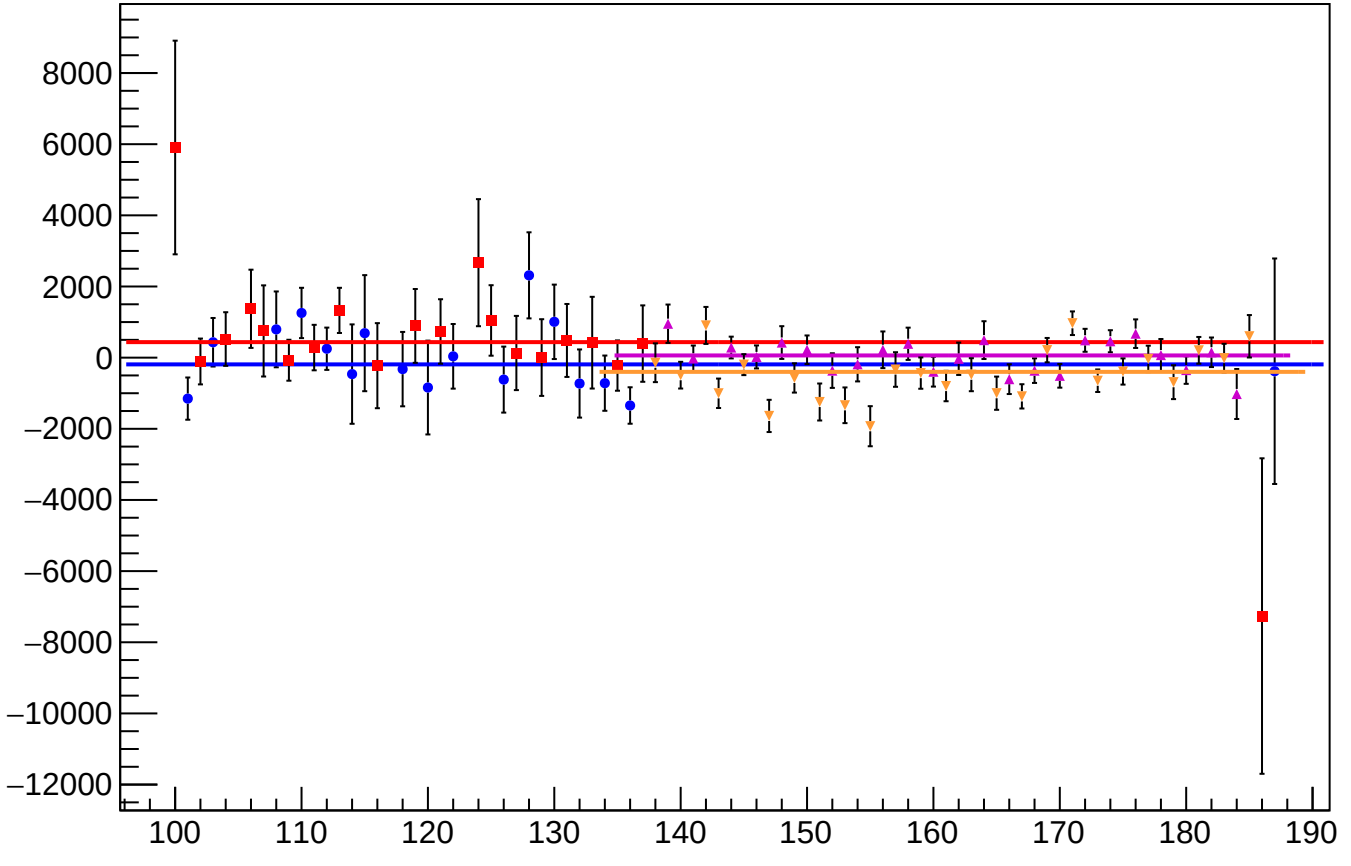
Right: 52.125+/-0.010 χ^2/NDF: 1996952.5/36

In: 51.029+/-0.007 χ^2/NDF:1195491.5/39

Out: 50.473+/-0.007 χ^2/NDF:1839106.1/44

All: 50.742+/-0.005 χ^2/NDF: 3037636.2/84

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -189.375+/-205.378 χ^2/NDF: 21.4/16

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 436.255+/-203.702 χ^2/NDF: 14.3/19

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

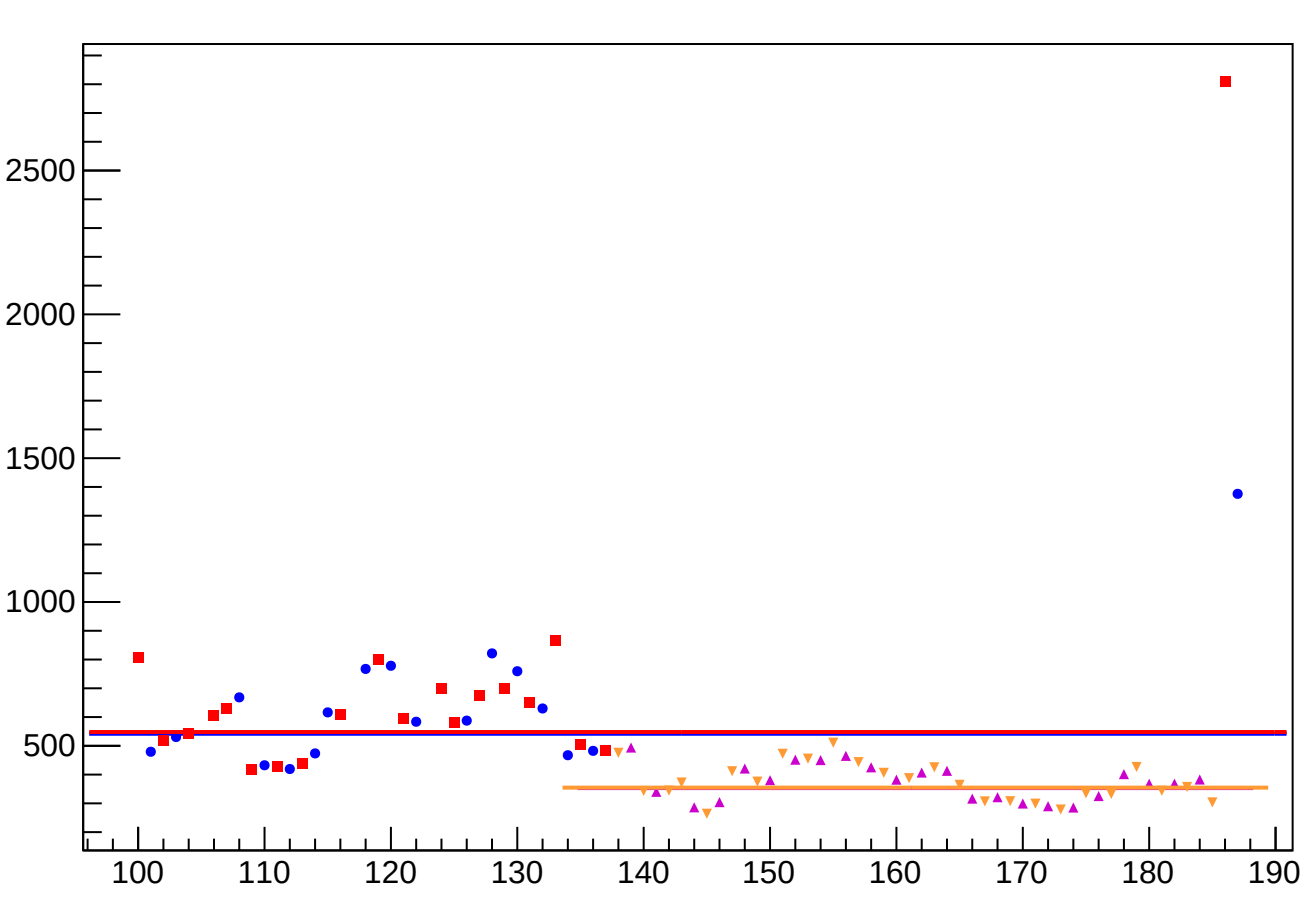
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 126.003+/-144.628 χ^2/NDF: 40.4/36

In: 26.088+/-77.663 χ^2/NDF:46.6/39

Out: -282.683+/-76.119 χ^2/NDF:94.2/44

All: -131.397+/-54.362 χ^2/NDF: 148.8/84



Right In: 541.985+/-0.145 χ^2/NDF: 753089.7/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 548.024+/-0.144 χ^2/NDF: 1158386.0/19

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

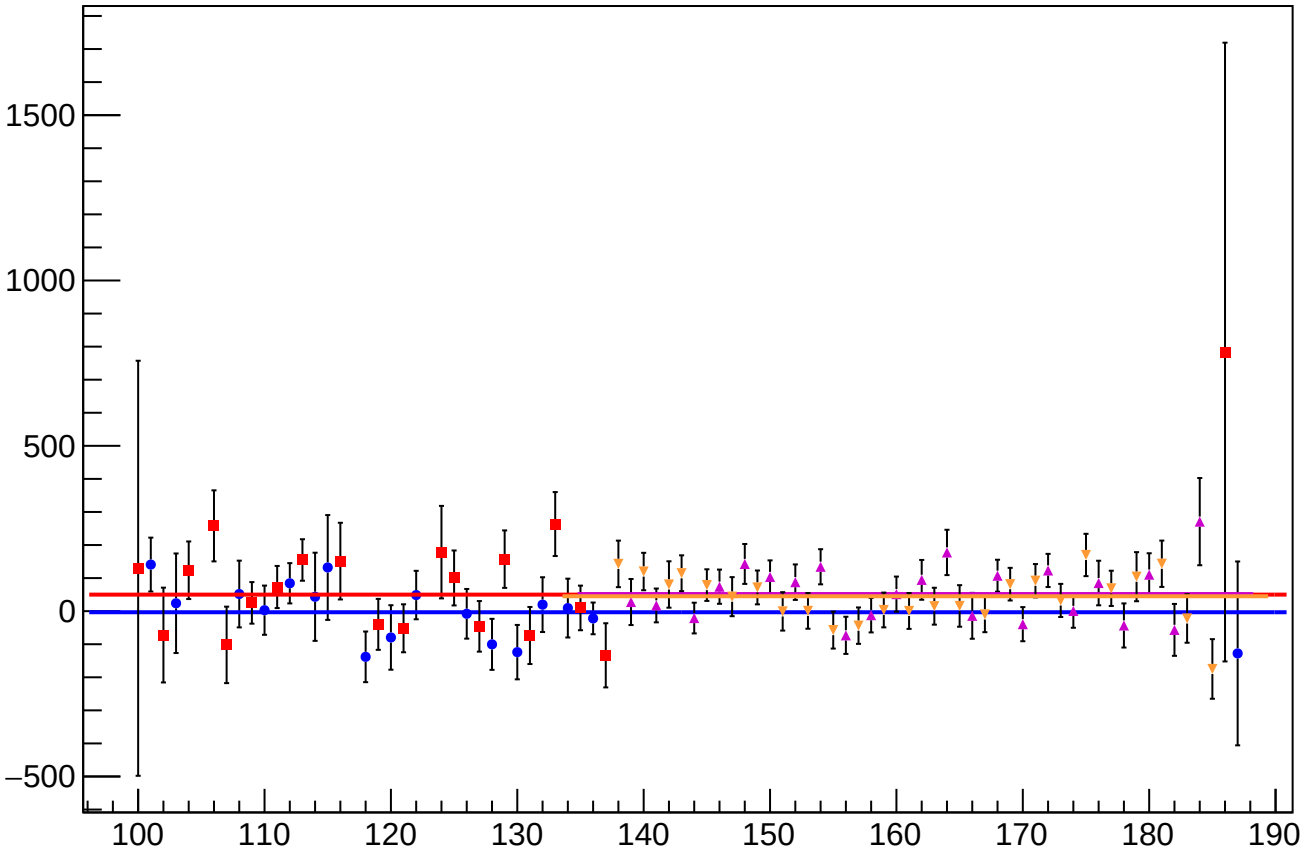
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 545.029+/-0.102 χ^2/NDF: 1912347.6/36

In: 380.118+/-0.055 χ^2/NDF:3206835.3/39

Out: 381.669+/-0.054 χ^2/NDF:3854201.0/44

All: 380.909+/-0.038 χ^2/NDF: 7061443.0/84



Right In: -3.262+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 50.016+/-19.617 χ^2/NDF: 29.9/19

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

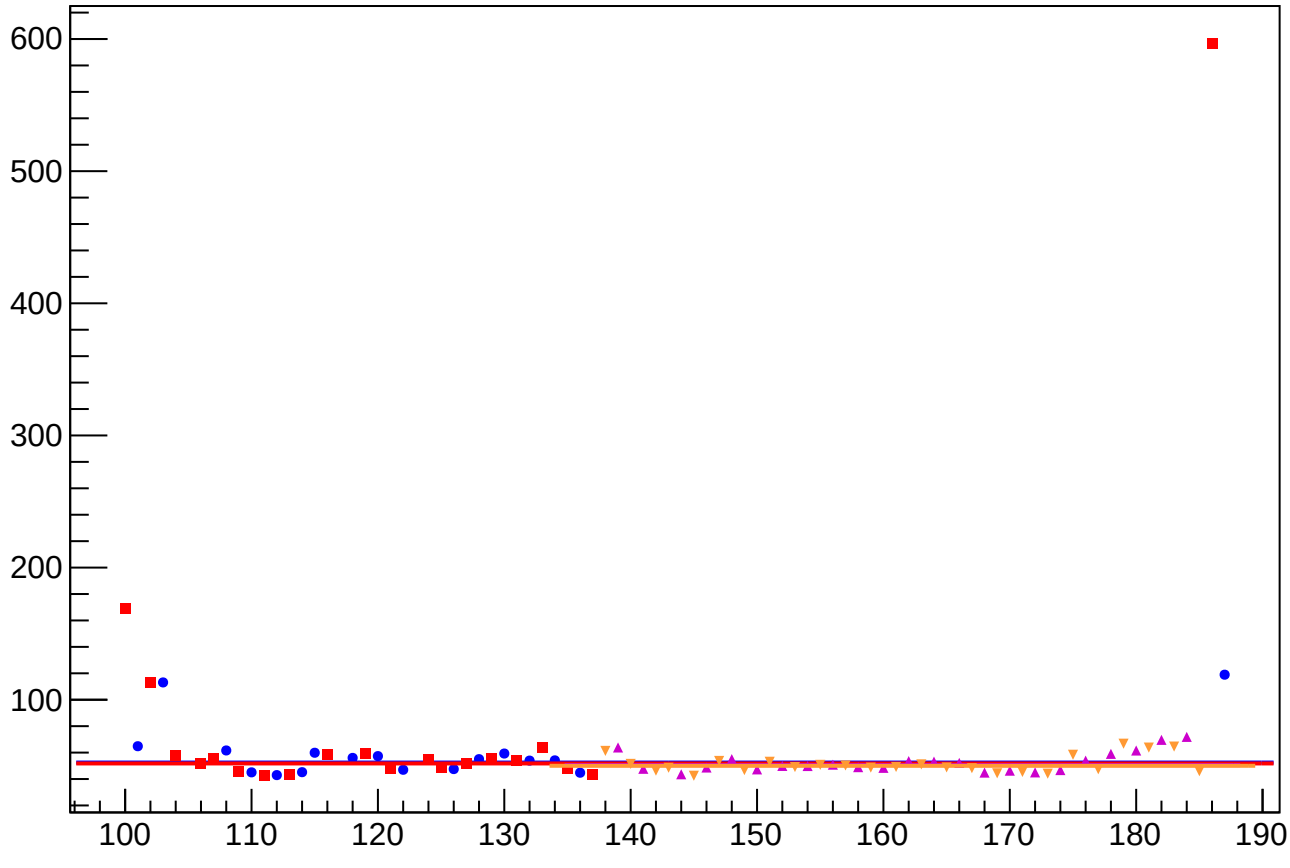
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 23.815+/-13.985 χ^2/NDF: 48.3/36

In: 37.155+/-10.237 χ^2/NDF:56.2/39

Out: 46.354+/-9.918 χ^2/NDF:61.3/44

All: 41.900+/-7.123 χ^2/NDF: 117.9/84



Right In: 52.472+/-0.014 χ^2/NDF: 677855.3/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 51.779+/-0.014 χ^2/NDF: 1318153.4/19

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

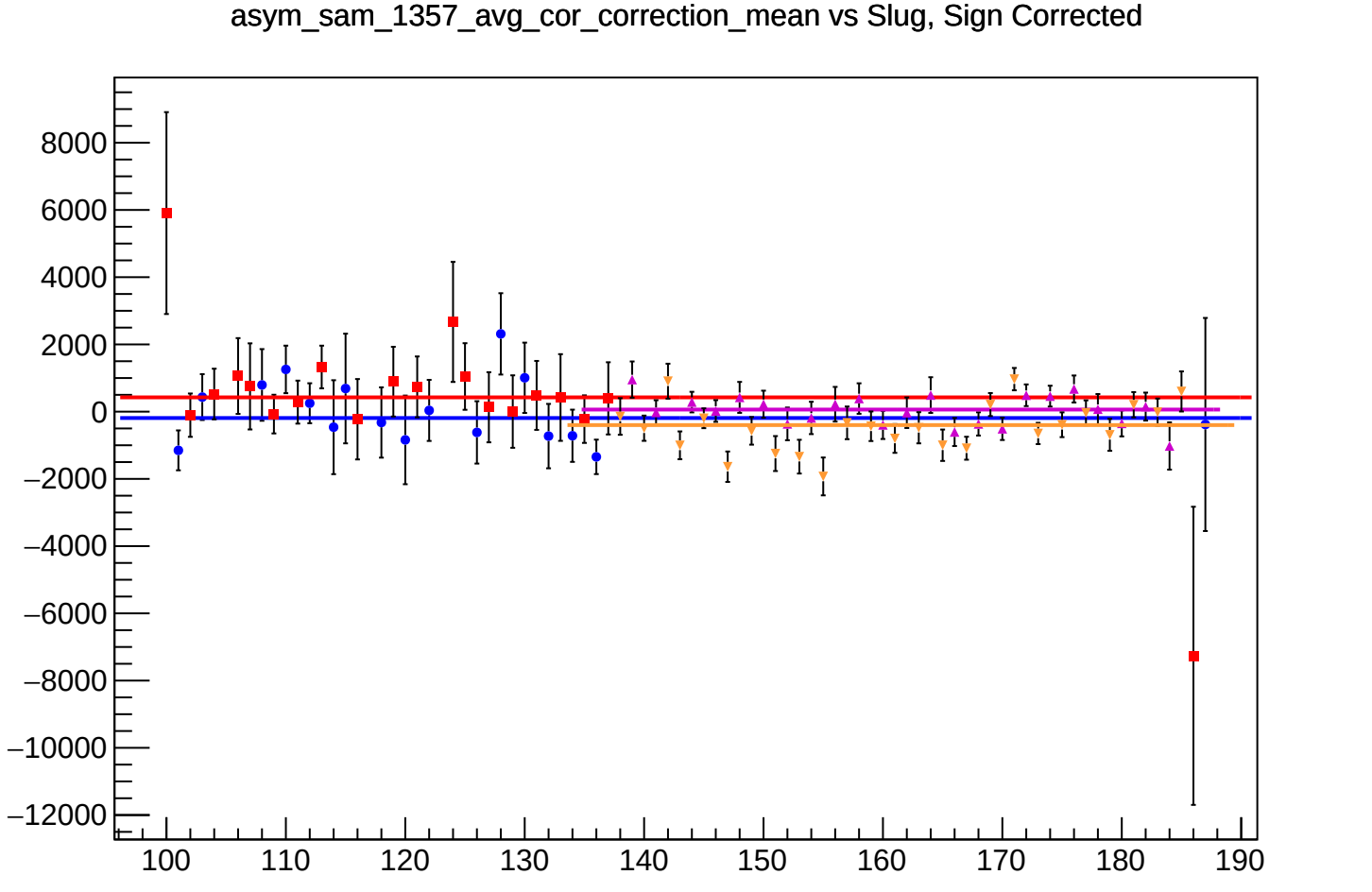
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 52.120+/-0.010 χ^2/NDF: 1997236.4/36

In: 51.029+/-0.007 χ^2/NDF:1195493.8/39

Out: 50.470+/-0.007 χ^2/NDF:1839210.7/44

All: 50.741+/-0.005 χ^2/NDF: 3037772.2/84



Right In: -189.353+/-205.380 χ^2/NDF: 21.4/16

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 424.879+/-203.895 χ^2/NDF: 13.9/19

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

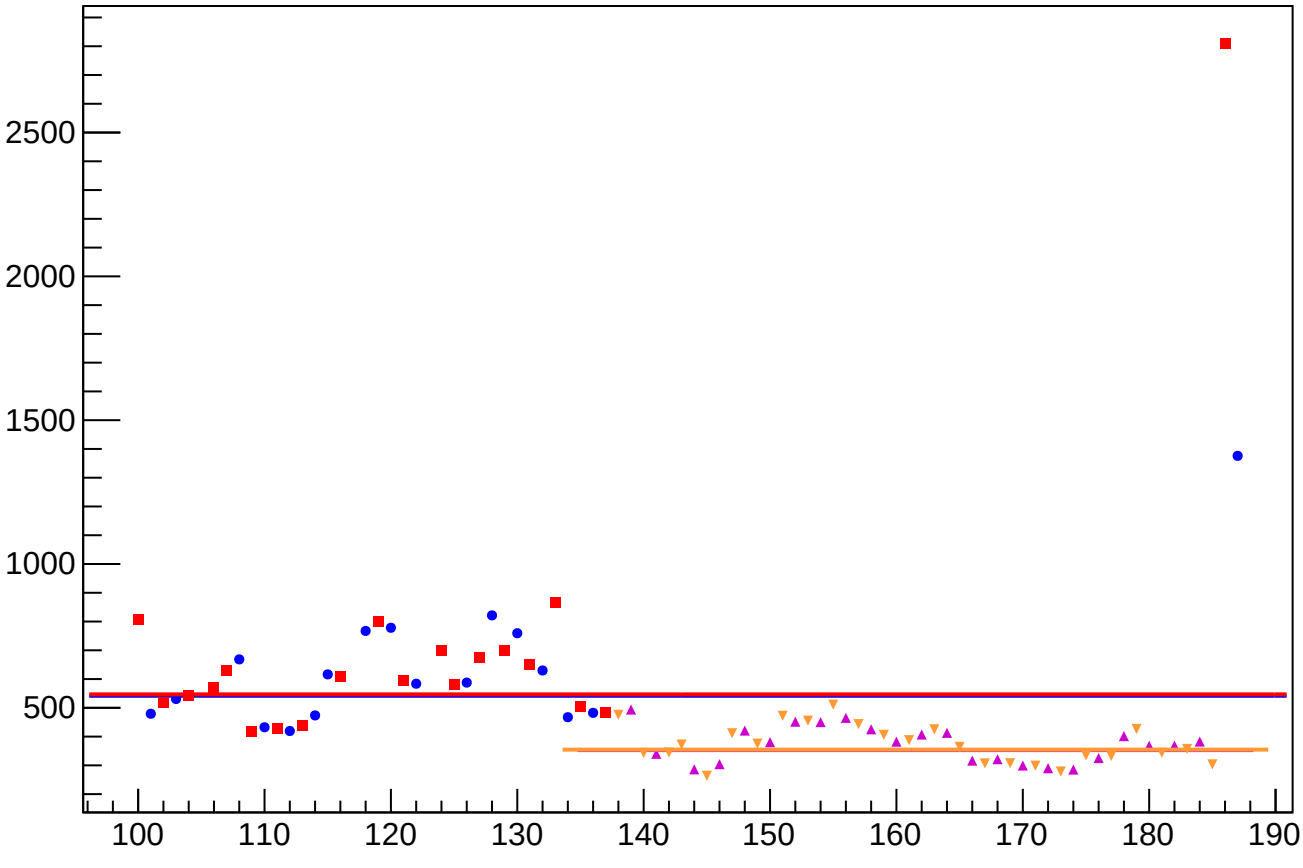
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 119.992+/-144.698 χ^2/NDF: 39.8/36

In: 26.091+/-77.663 χ^2/NDF:46.6/39

Out: -284.454+/-76.129 χ^2/NDF:93.4/44

All: -132.279+/-54.366 χ^2/NDF: 148.1/84



Right In: 541.990+/-0.145 χ^2/NDF: 753083.8/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 546.820+/-0.144 χ^2/NDF: 1153387.7/19

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

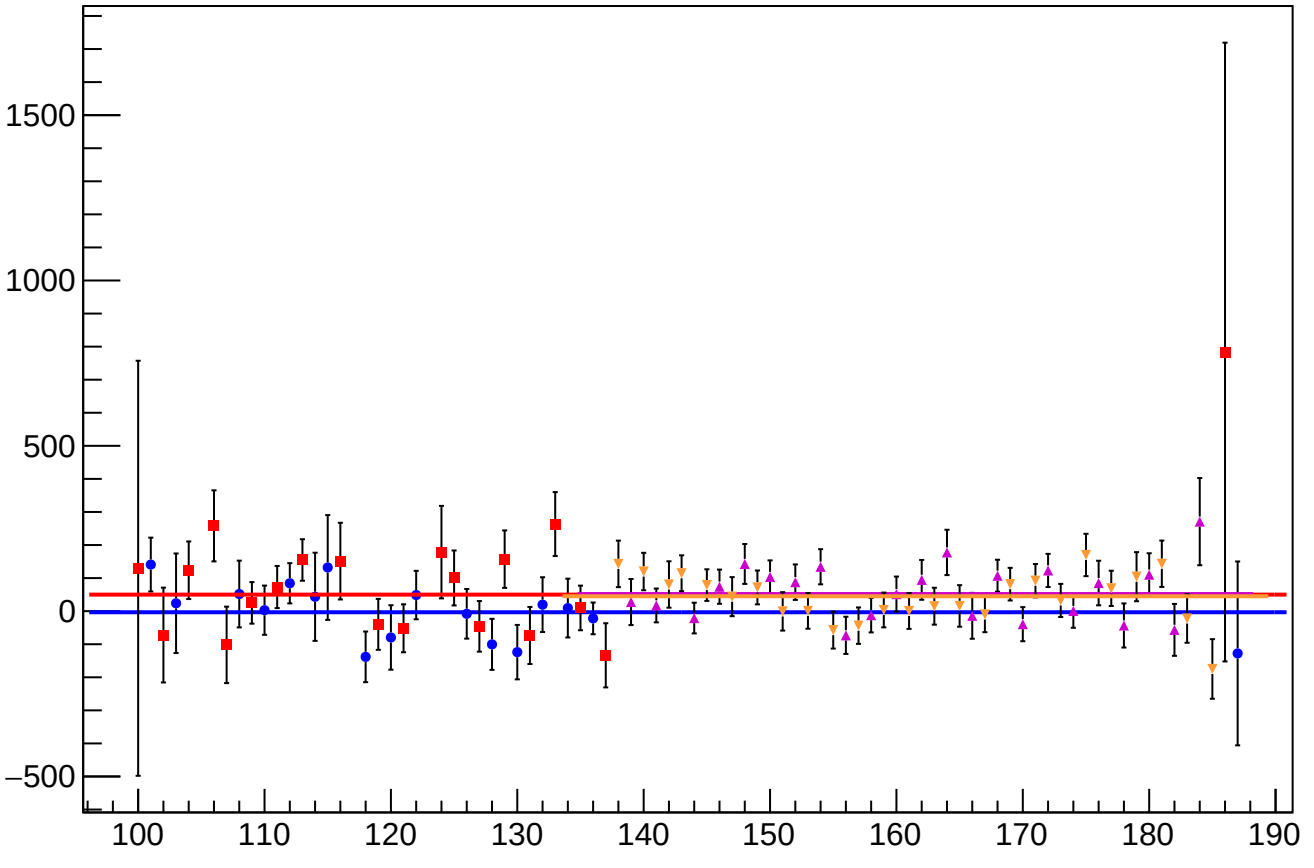
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 544.422+/-0.102 χ^2/NDF: 1907028.4/36

In: 380.118+/-0.055 χ^2/NDF:3206886.9/39

Out: 381.457+/-0.054 χ^2/NDF:3827461.9/44

All: 380.801+/-0.038 χ^2/NDF: 7034651.8/84



Right In: -3.262+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 50.016+/-19.617 χ^2/NDF: 29.9/19

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

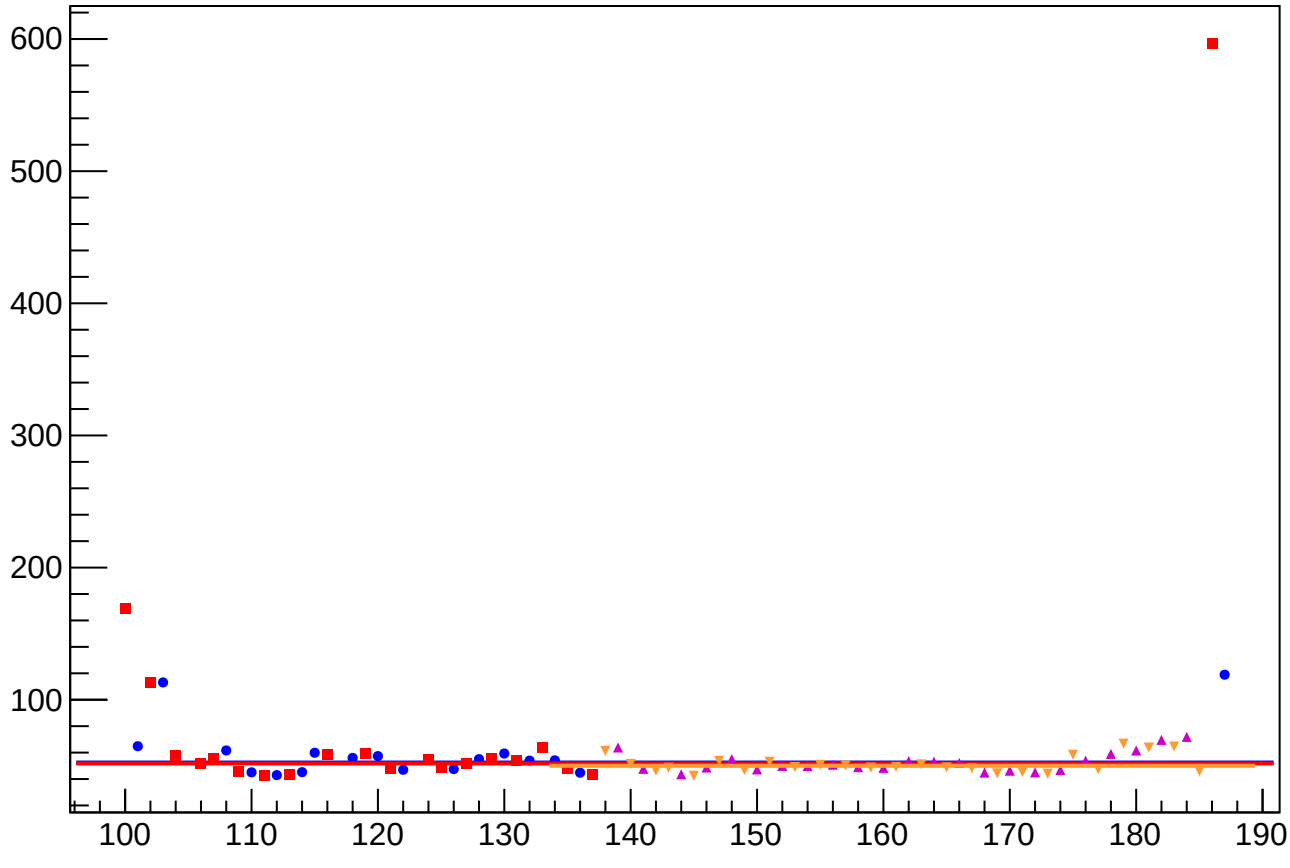
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 23.815+/-13.985 χ^2/NDF: 48.3/36

In: 37.155+/-10.237 χ^2/NDF:56.2/39

Out: 46.354+/-9.918 χ^2/NDF:61.3/44

All: 41.900+/-7.123 χ^2/NDF: 117.9/84



Right In: 52.472+/-0.014 χ^2/NDF: 677855.3/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 51.779+/-0.014 χ^2/NDF: 1318153.4/19

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

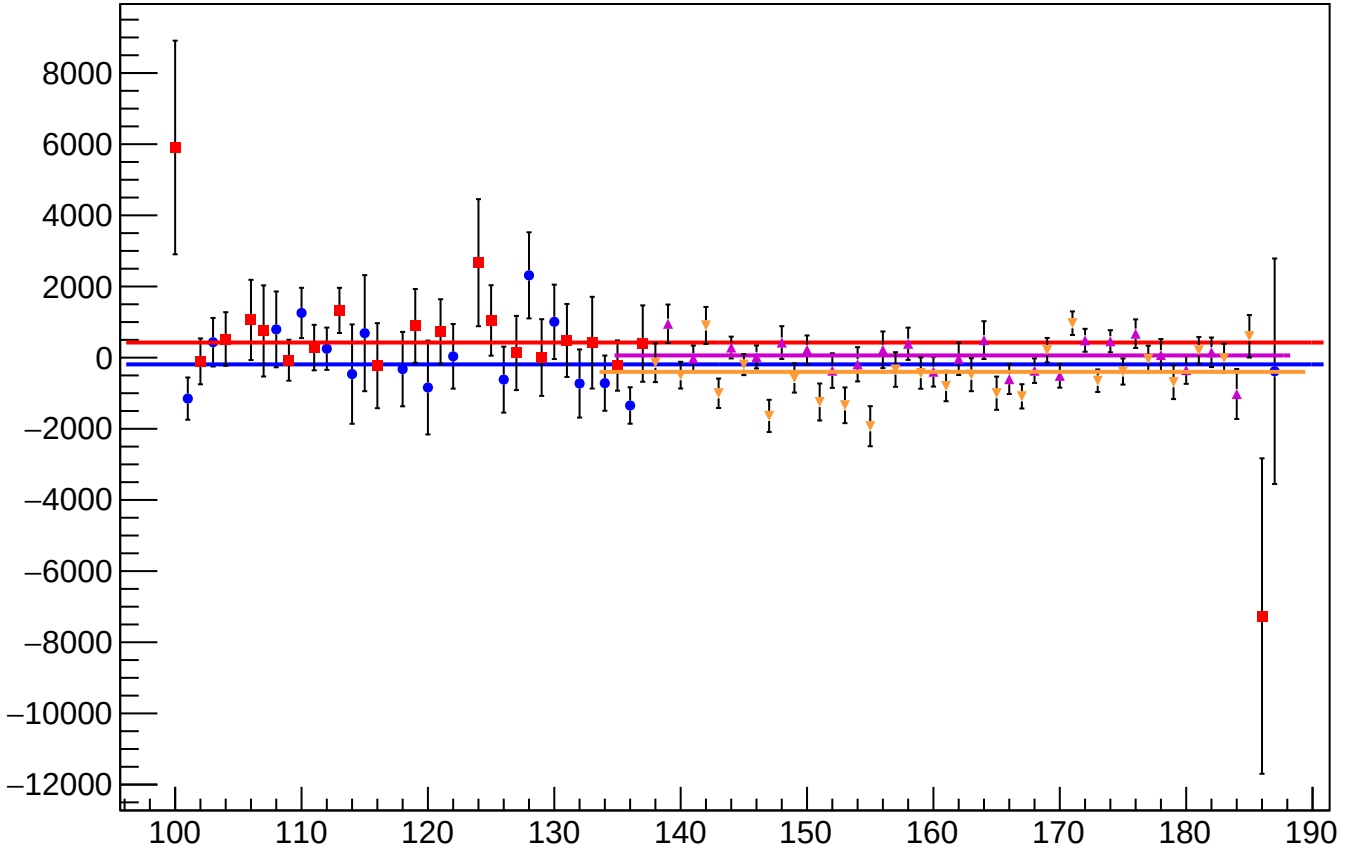
Right: 52.120+/-0.010 χ^2/NDF: 1997236.4/36

In: 51.029+/-0.007 χ^2/NDF:1195493.8/39

Out: 50.470+/-0.007 χ^2/NDF:1839210.7/44

All: 50.741+/-0.005 χ^2/NDF: 3037772.2/84

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.353+/-205.380 χ^2/NDF: 21.4/16

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 424.879+/-203.895 χ^2/NDF: 13.9/19

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

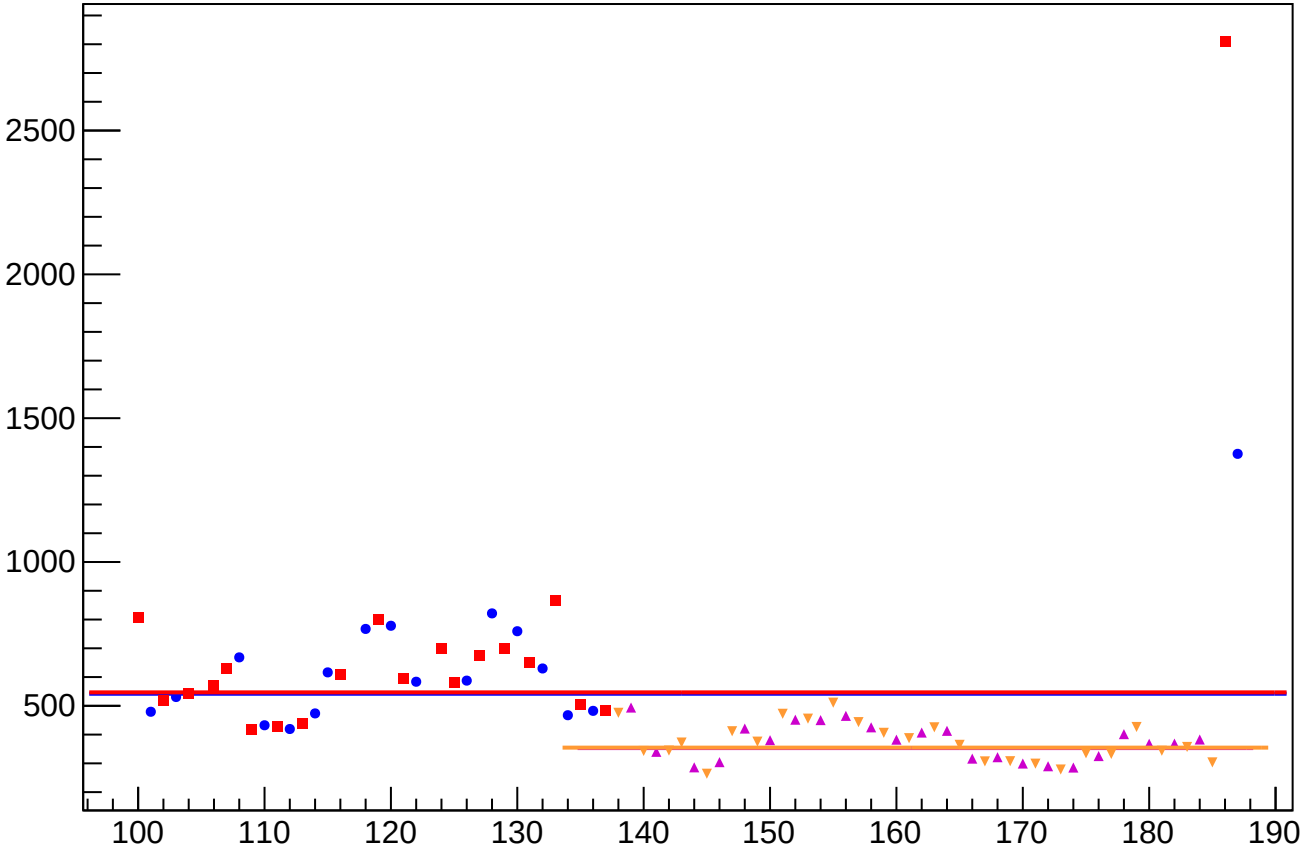
Right: 119.992+/-144.698 χ^2/NDF: 39.8/36

In: 26.091+/-77.663 χ^2/NDF:46.6/39

Out: -284.454+/-76.129 χ^2/NDF:93.4/44

All: -132.279+/-54.366 χ^2/NDF: 148.1/84

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 541.990+/-0.145 χ^2/NDF: 753083.8/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 546.820+/-0.144 χ^2/NDF: 1153387.7/19

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

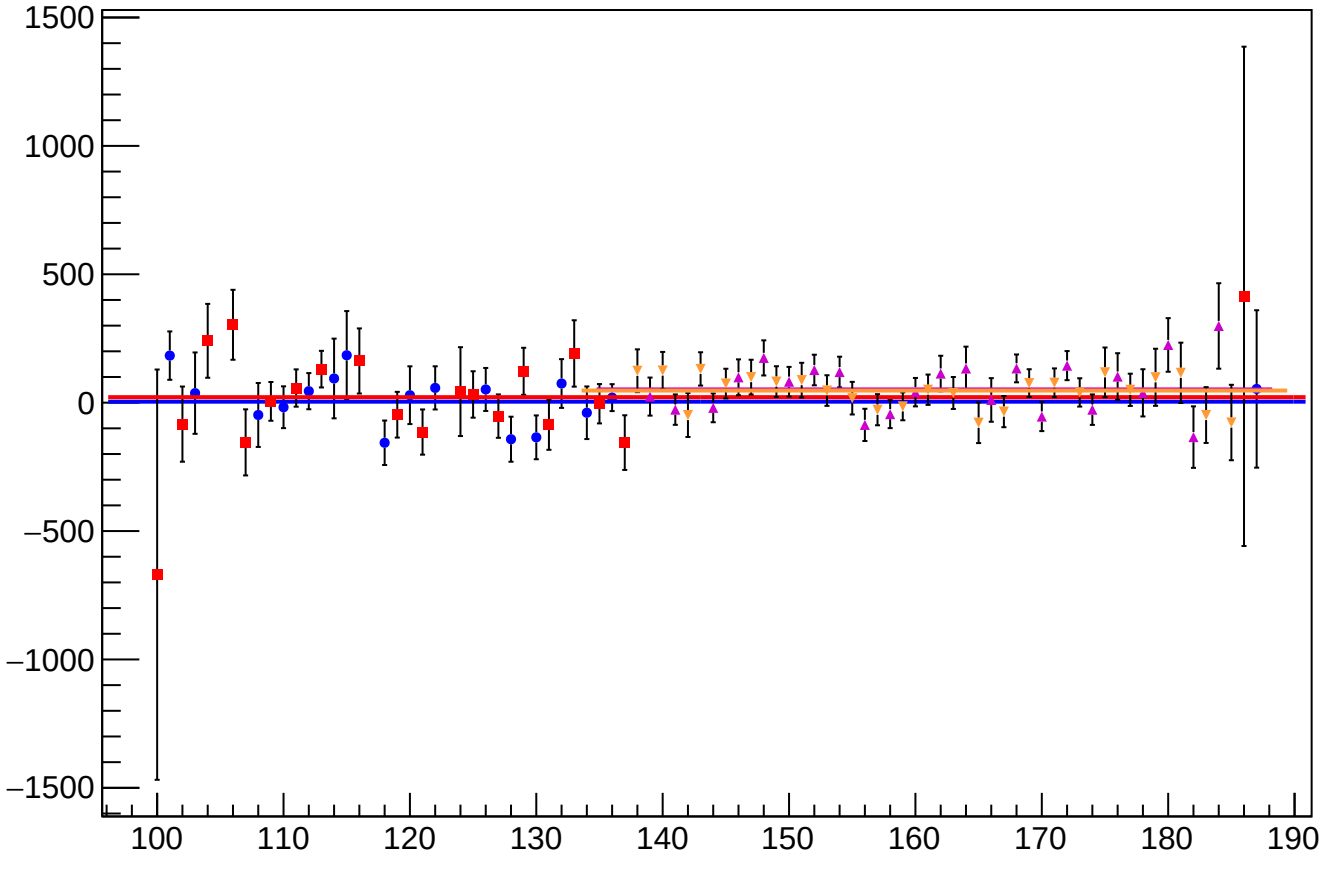
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 544.422+/-0.102 χ^2/NDF: 1907028.4/36

In: 380.118+/-0.055 χ^2/NDF:3206886.9/39

Out: 381.457+/-0.054 χ^2/NDF:3827461.9/44

All: 380.801+/-0.038 χ^2/NDF: 7034651.8/84



Right In: 3.864+/-22.420 χ^2/NDF: 16.2/16

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 21.468+/-22.762 χ^2/NDF: 24.6/19

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

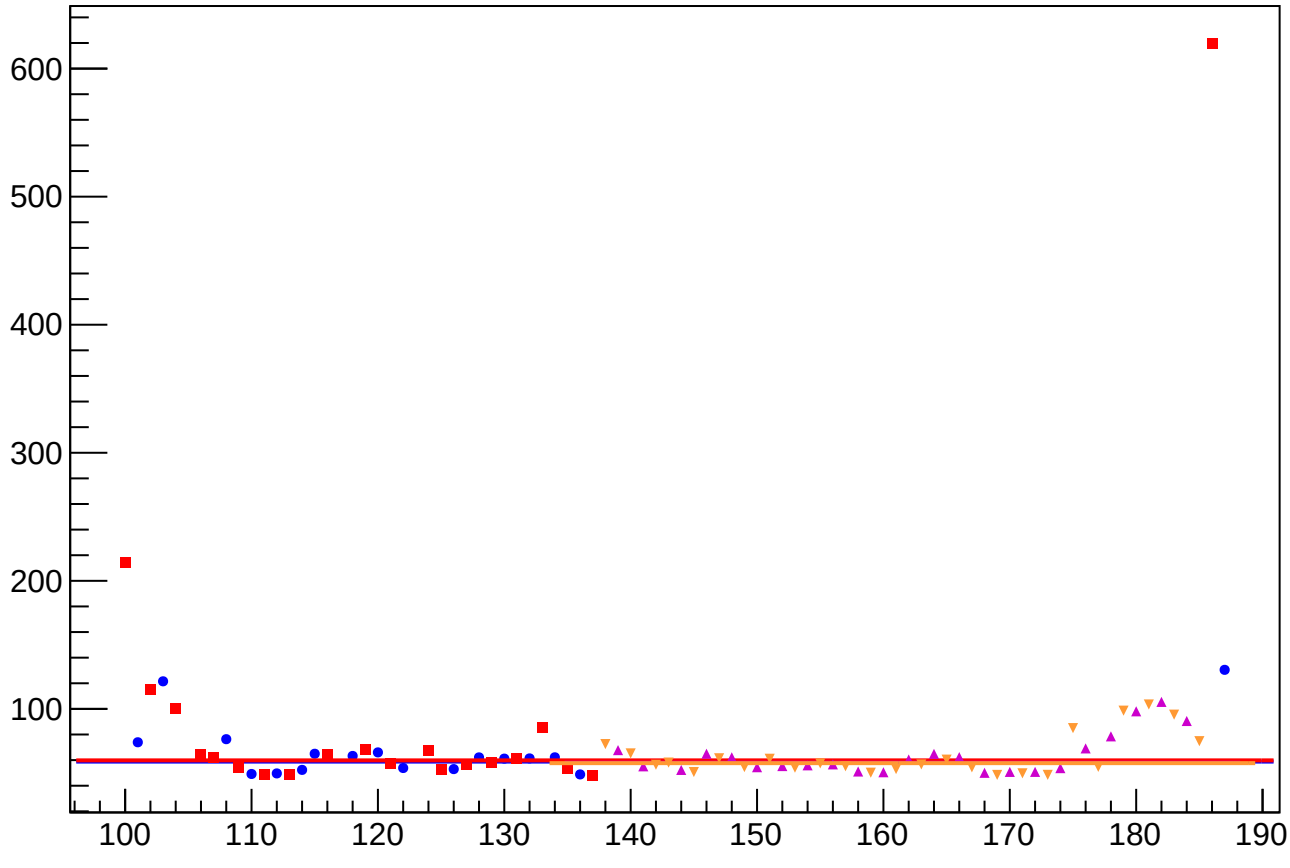
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 12.533+/-15.973 χ^2/NDF: 41.1/36

In: 38.337+/-11.834 χ^2/NDF:57.7/39

Out: 40.460+/-11.619 χ^2/NDF:42.5/44

All: 39.418+/-8.291 χ^2/NDF: 100.2/84



Right In: 58.851+/-0.016 χ^2/NDF: 692839.3/16

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 59.791+/-0.016 χ^2/NDF: 1448066.9/19

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

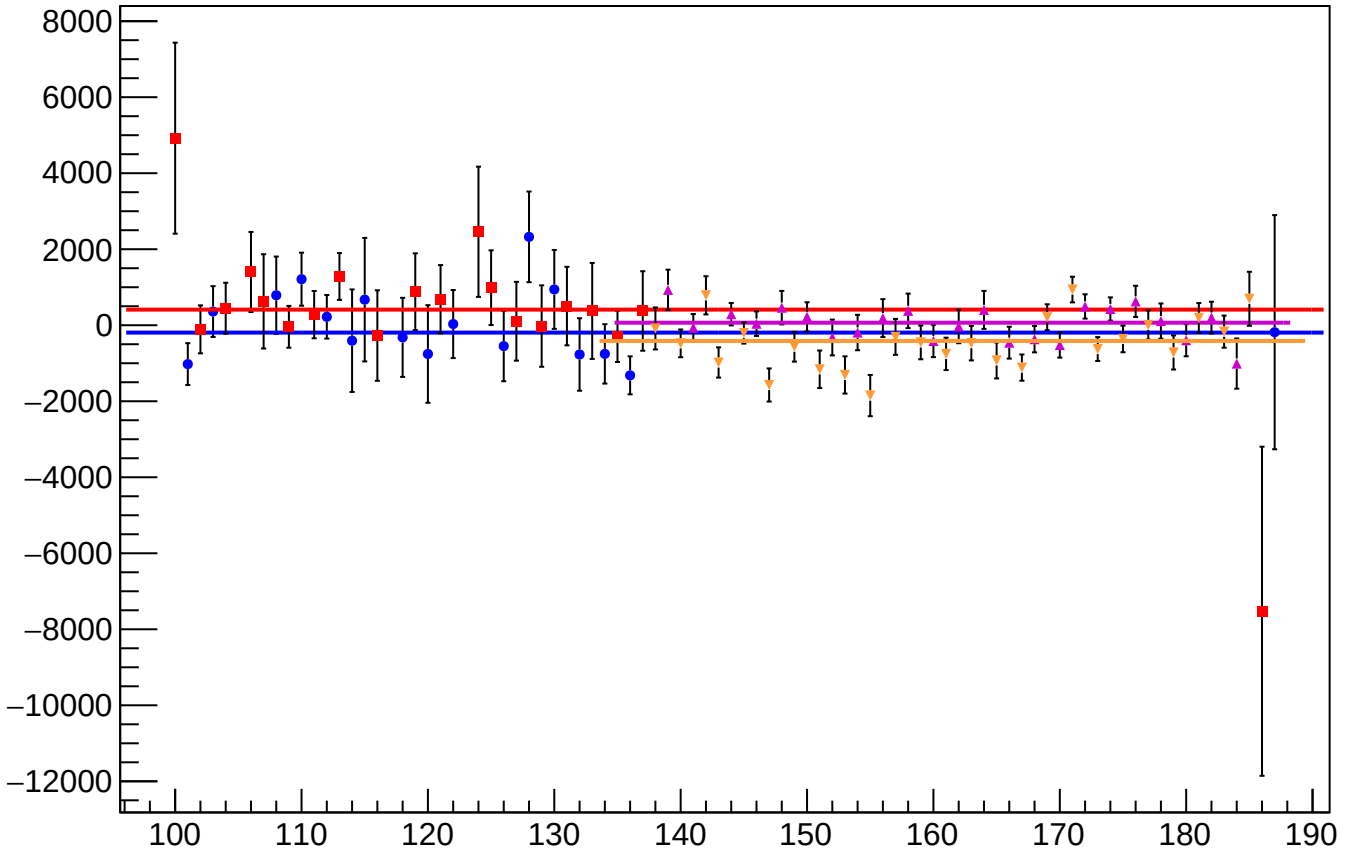
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 59.314+/-0.011 χ^2/NDF: 2142638.2/36

In: 58.194+/-0.008 χ^2/NDF:1819743.1/39

Out: 58.194+/-0.008 χ^2/NDF:2826833.7/44

All: 58.194+/-0.006 χ^2/NDF: 4646576.8/84



Right In: -193.854+/-200.179 χ^2/NDF: 20.8/16

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 410.544+/-196.801 χ^2/NDF: 14.7/19

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

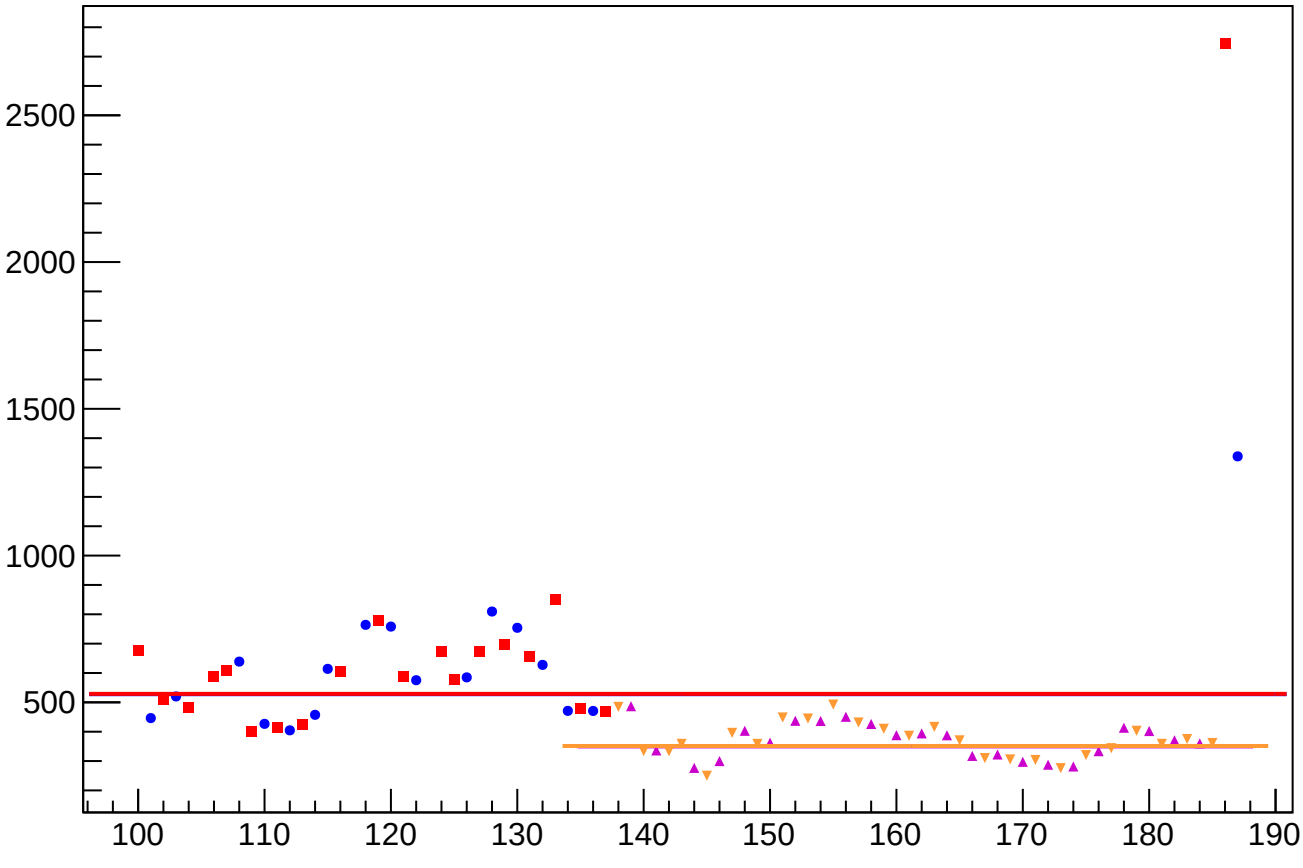
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 113.488+/-140.339 χ^2/NDF: 40.1/36

In: 28.360+/-76.735 χ^2/NDF:45.1/39

Out: -293.408+/-75.010 χ^2/NDF:91.0/44

All: -136.182+/-53.640 χ^2/NDF: 145.1/84



Right In: 527.763+/-0.142 χ^2/NDF: 797479.0/16

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 528.894+/-0.139 χ^2/NDF: 1210873.7/19

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

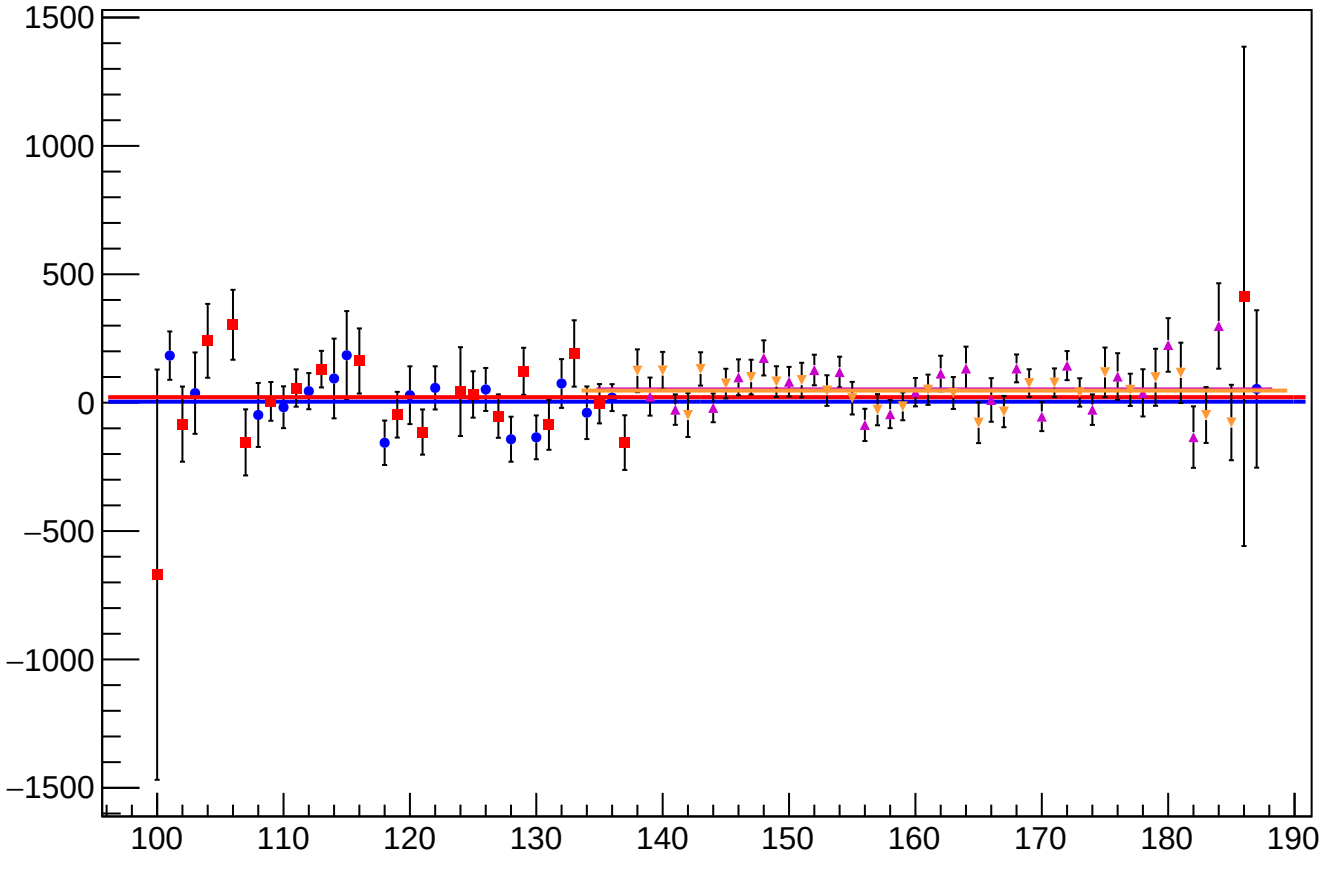
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 528.338+/-0.099 χ^2/NDF: 2008385.1/36

In: 375.962+/-0.054 χ^2/NDF:3136081.6/39

Out: 377.069+/-0.053 χ^2/NDF:3721741.4/44

All: 376.528+/-0.038 χ^2/NDF: 6858035.9/84



Right In: 3.864+/-22.420 χ^2/NDF: 16.2/16

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 21.467+/-22.762 χ^2/NDF: 24.6/19

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

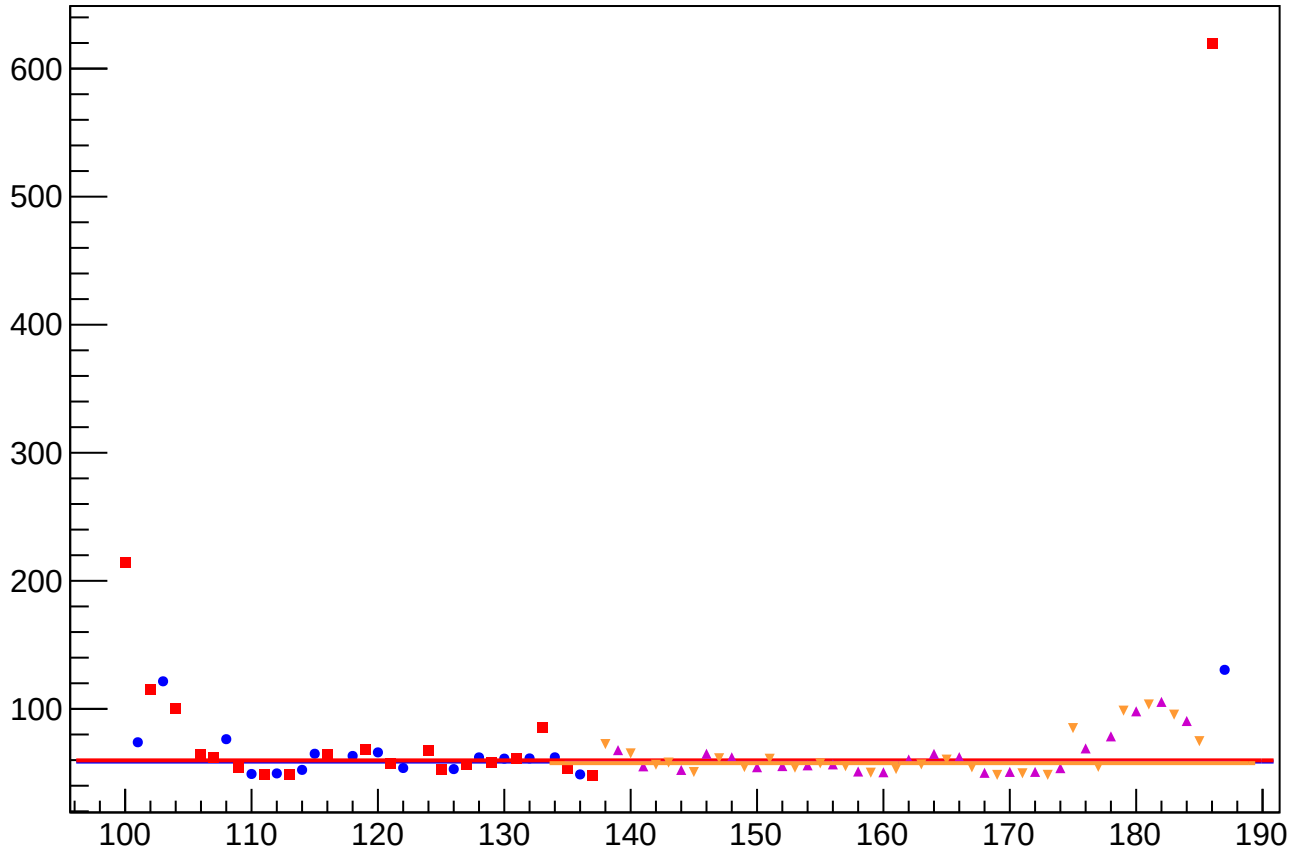
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 12.532+/-15.973 χ^2/NDF: 41.1/36

In: 38.336+/-11.834 χ^2/NDF:57.7/39

Out: 40.459+/-11.619 χ^2/NDF:42.5/44

All: 39.417+/-8.291 χ^2/NDF: 100.2/84



Right In: 58.851+/-0.016 χ^2/NDF: 692837.2/16

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 59.791+/-0.016 χ^2/NDF: 1448066.5/19

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

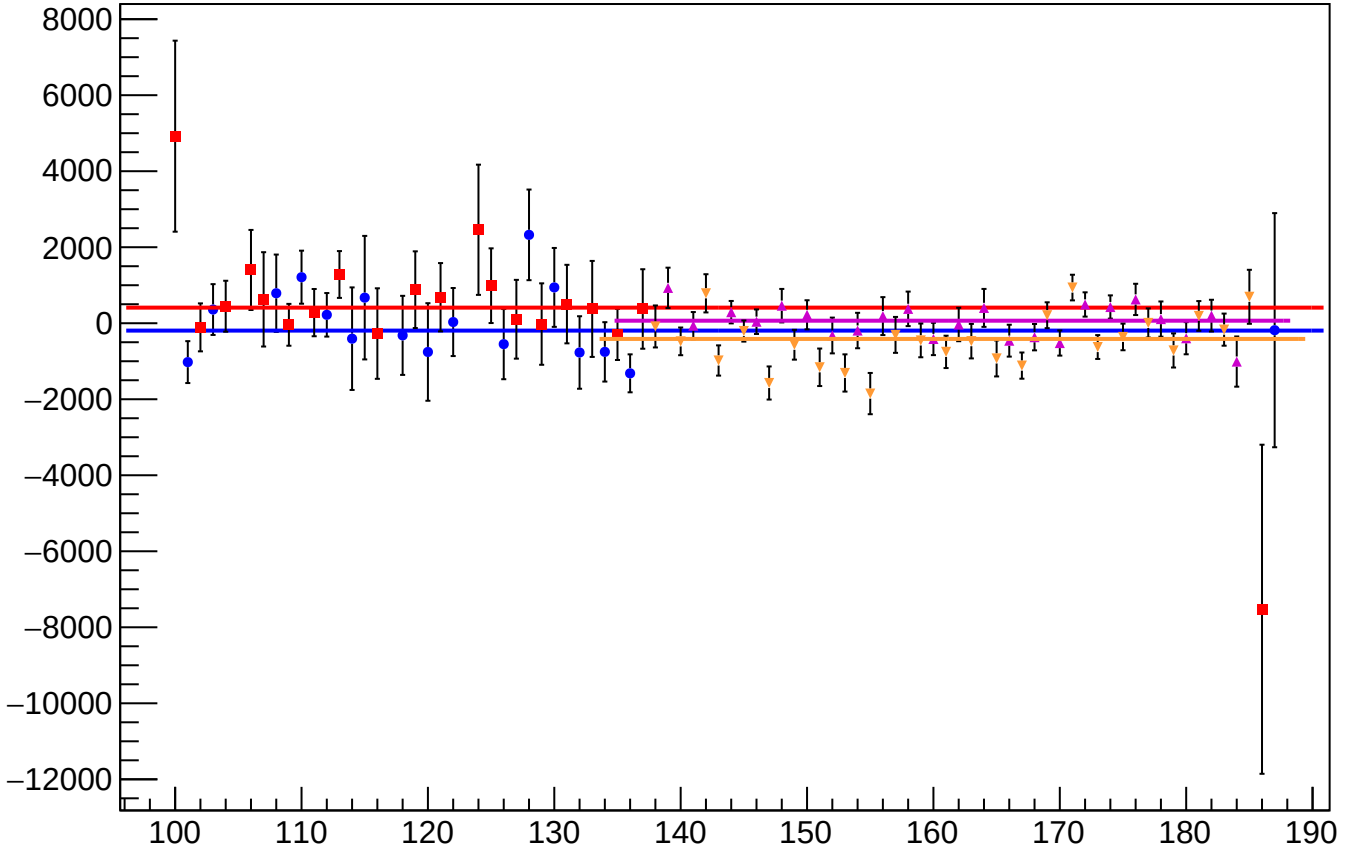
Right: 59.314+/-0.011 χ^2/NDF: 2142635.8/36

In: 58.194+/-0.008 χ^2/NDF:1819727.3/39

Out: 58.194+/-0.008 χ^2/NDF:2826828.2/44

All: 58.194+/-0.006 χ^2/NDF: 4646555.5/84

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.853+/-200.179 χ^2/NDF: 20.8/16

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 410.543+/-196.801 χ^2/NDF: 14.7/19

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

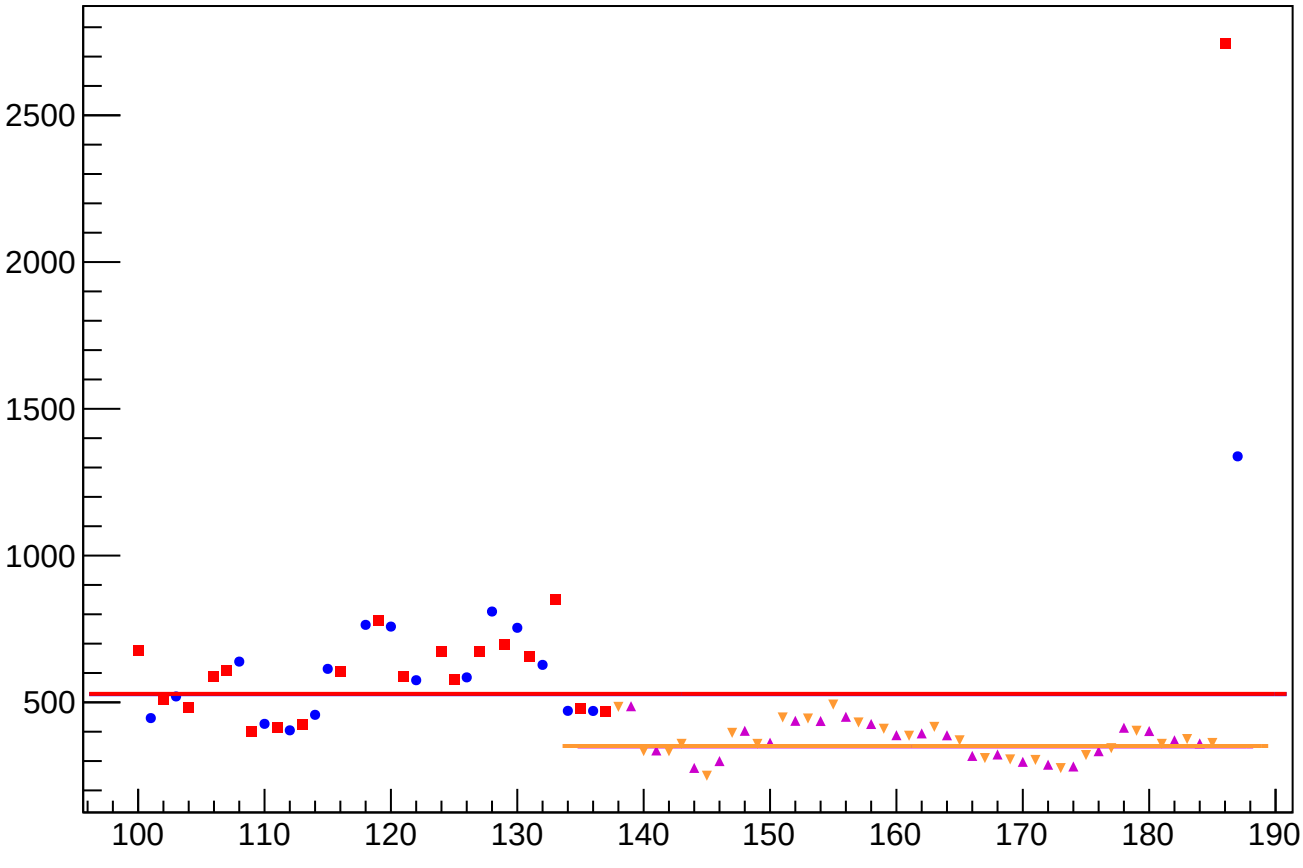
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 113.488+/-140.338 χ^2/NDF: 40.1/36

In: 28.359+/-76.735 χ^2/NDF:45.1/39

Out: -293.408+/-75.010 χ^2/NDF:91.0/44

All: -136.182+/-53.640 χ^2/NDF: 145.1/84



Right In: 527.762+/-0.142 χ^2/NDF: 797484.3/16

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 528.893+/-0.139 χ^2/NDF: 1210875.2/19

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

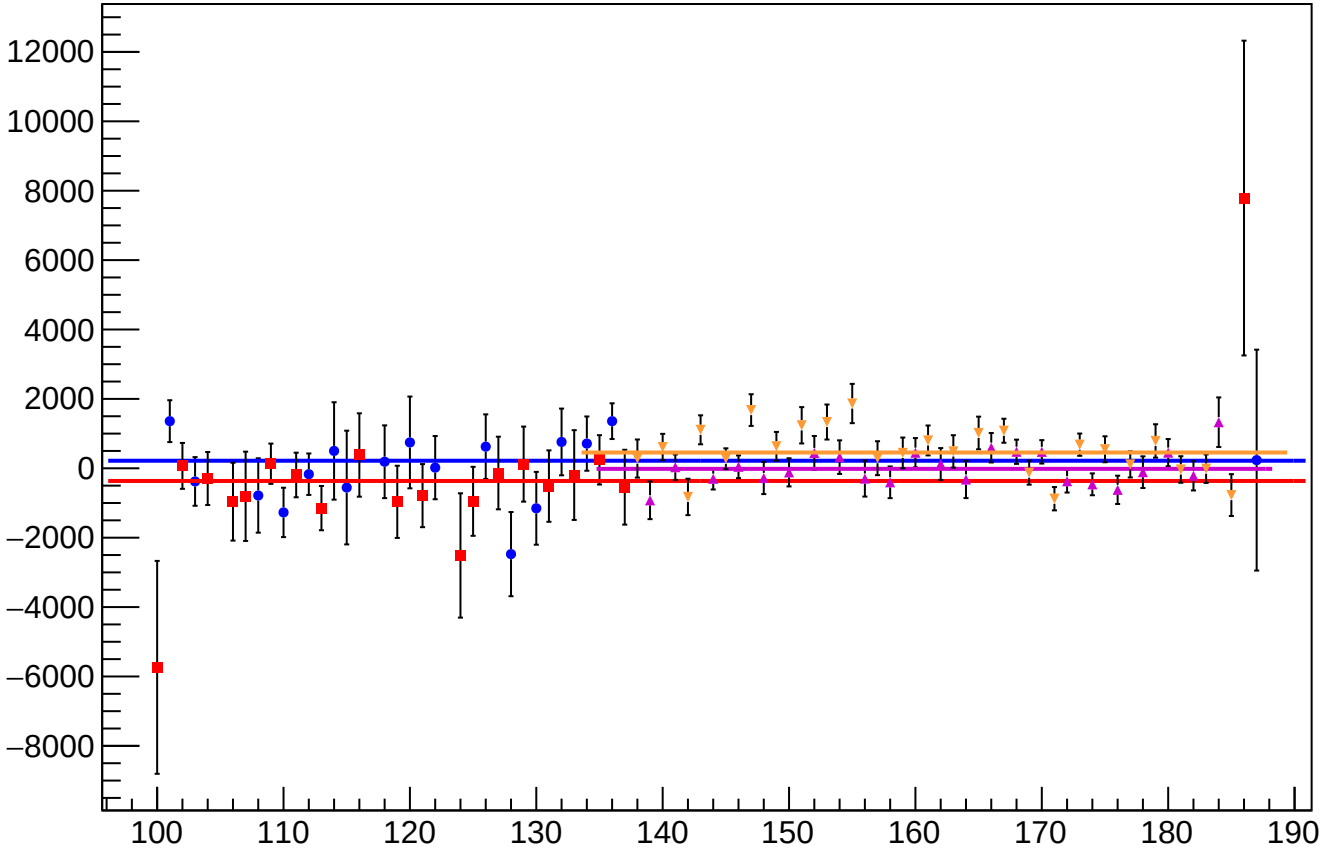
Right: 528.337+/-0.099 χ^2/NDF: 2008391.9/36

In: 375.961+/-0.054 χ^2/NDF:3136071.2/39

Out: 377.068+/-0.053 χ^2/NDF:3721731.8/44

All: 376.527+/-0.038 χ^2/NDF: 6858015.8/84

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.831+/-207.052 χ^2/NDF: 22.9/16

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -365.086+/-205.374 χ^2/NDF: 13.2/19

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

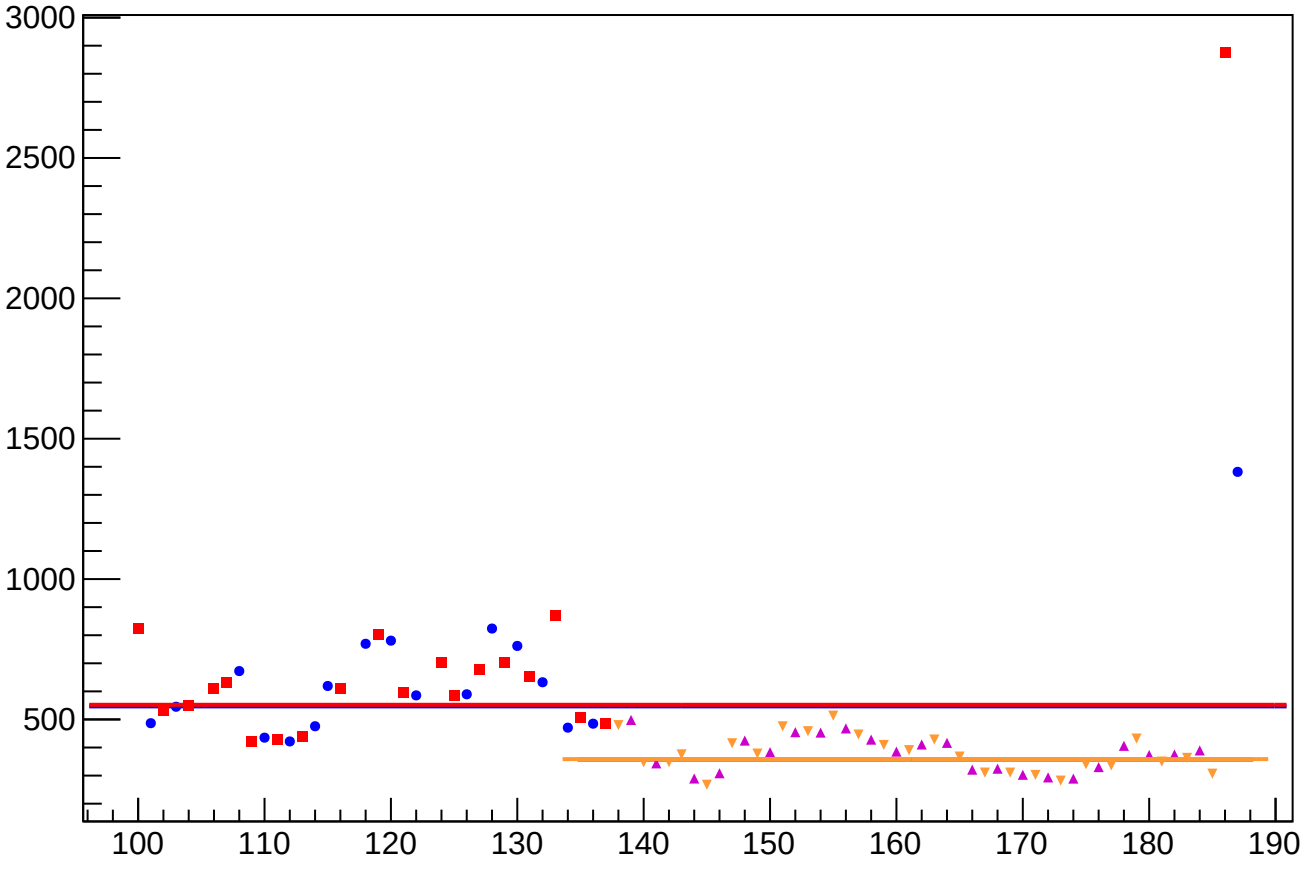
Right: -75.999+/-145.811 χ^2/NDF: 40.1/36

In: 17.547+/-78.498 χ^2/NDF:48.8/39

Out: 340.157+/-76.922 χ^2/NDF:87.8/44

All: 182.123+/-54.941 χ^2/NDF: 145.2/84

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 546.547+/-0.146 χ^2/NDF: 743595.0/16

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 552.237+/-0.145 χ^2/NDF: 1156054.6/19

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

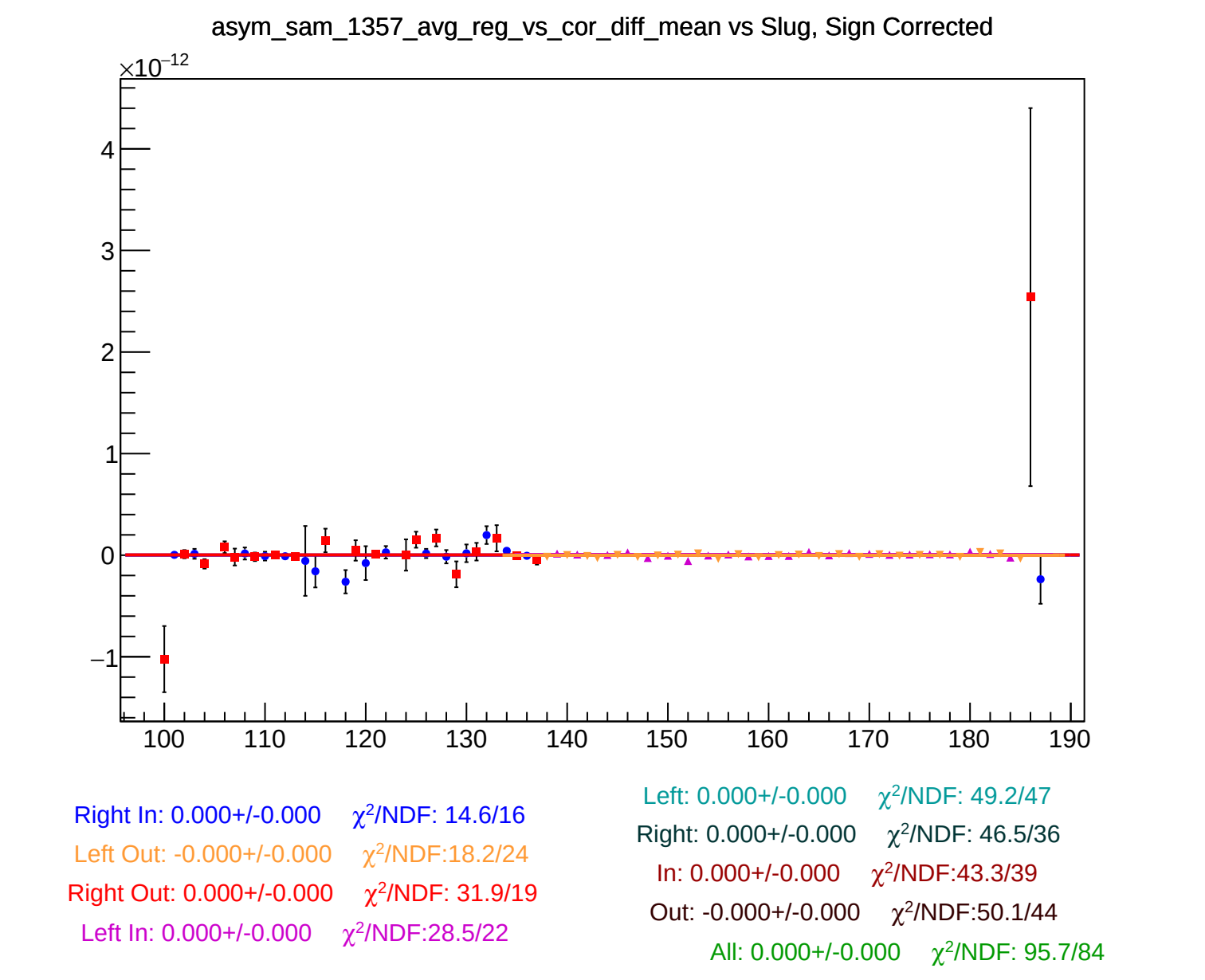
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

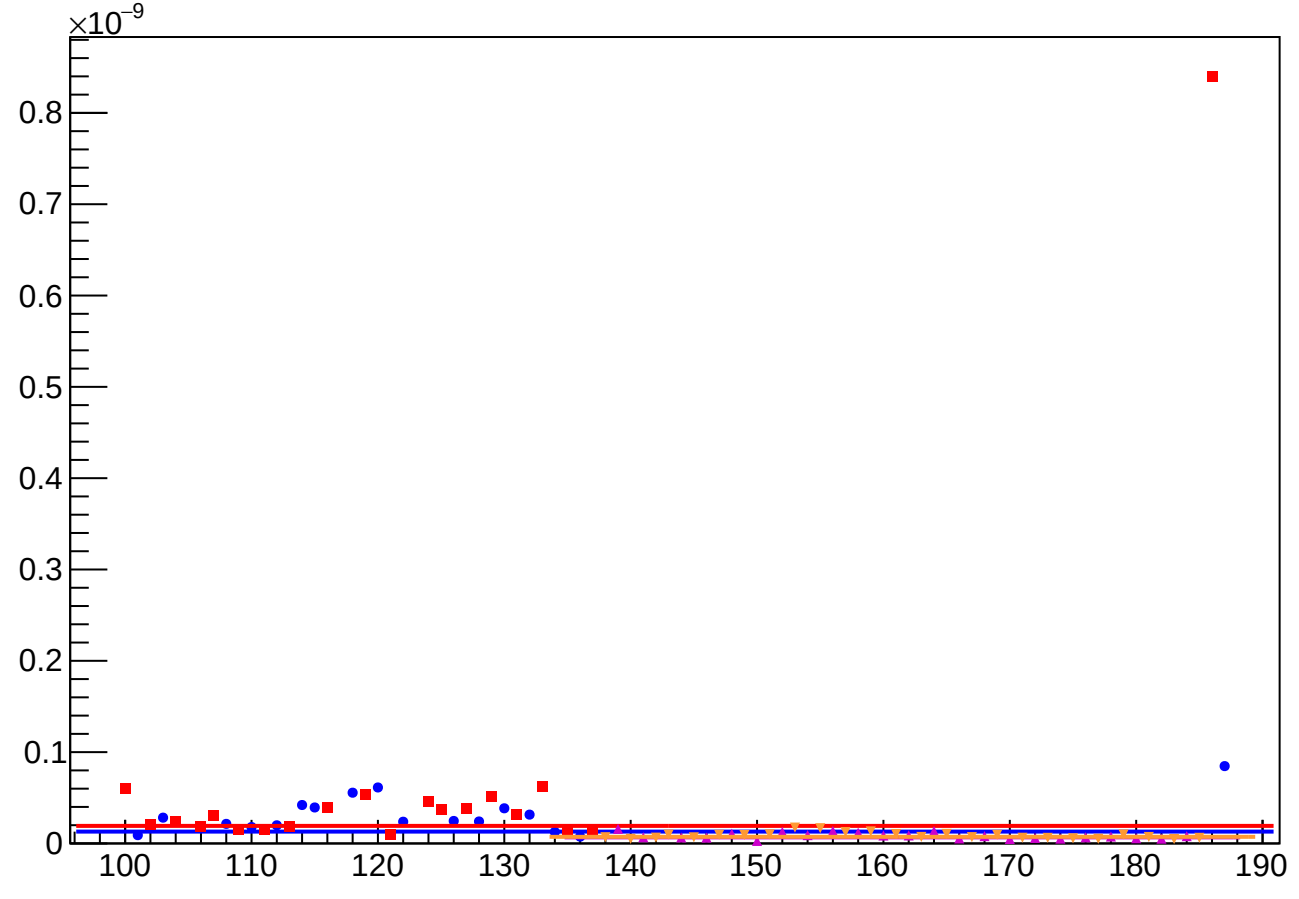
Right: 549.415+/-0.103 χ^2/NDF: 1900411.1/36

In: 384.400+/-0.056 χ^2/NDF:3157682.2/39

Out: 385.830+/-0.054 χ^2/NDF:3802899.0/44

All: 385.130+/-0.039 χ^2/NDF: 6960919.9/84


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 14.6/16
Left Out: -0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.9/19
Left In: 0.000+/-0.000 χ²/NDF:28.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.2/47
Right: 0.000+/-0.000 χ²/NDF: 46.5/36
In: 0.000+/-0.000 χ²/NDF:43.3/39
Out: -0.000+/-0.000 χ²/NDF:50.1/44
All: 0.000+/-0.000 χ²/NDF: 95.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 1933406.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1756640.1/19

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

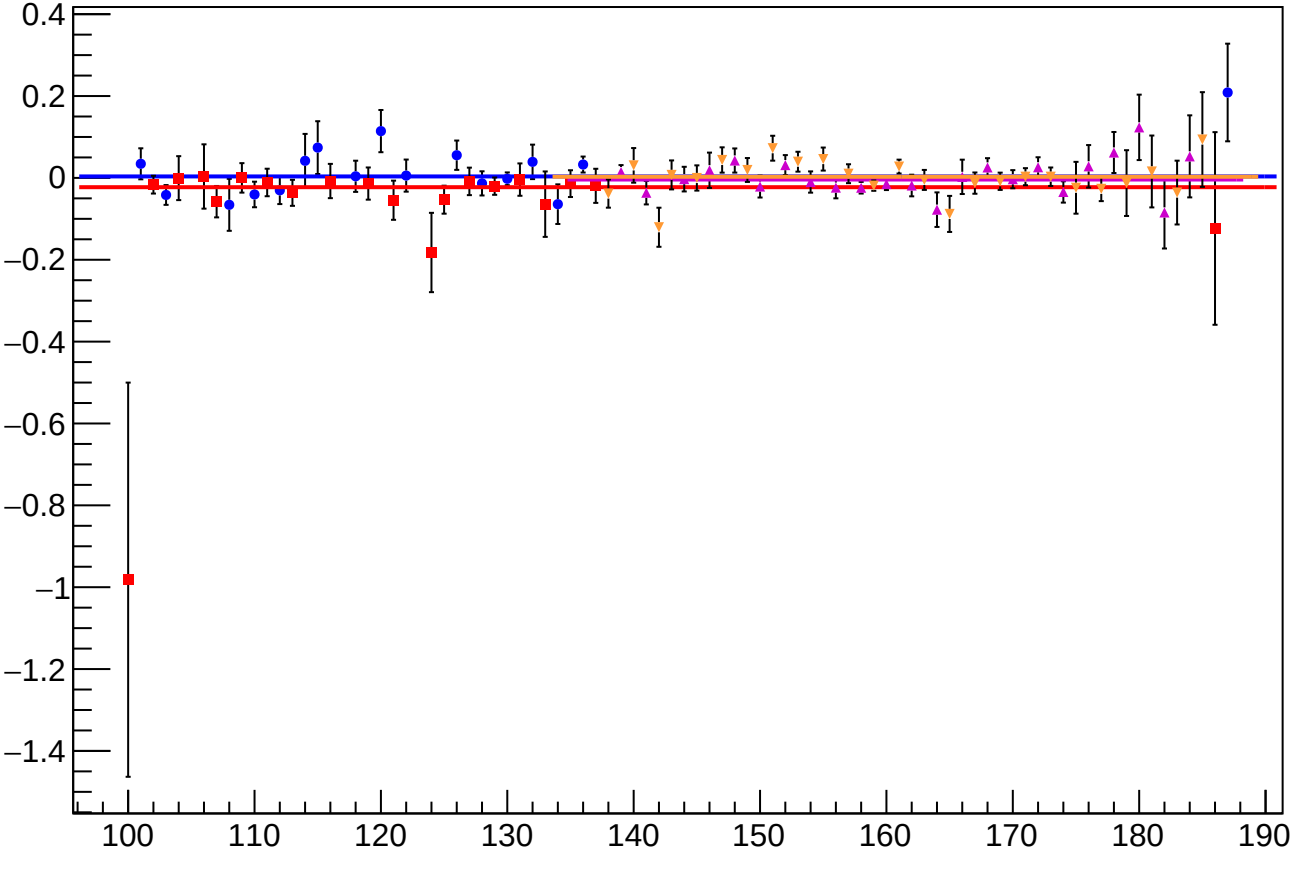
Right: 0.000+/-0.000 χ^2/NDF: 4031072.2/36

In: 0.000+/-0.000 χ^2/NDF:4568836.3/39

Out: 0.000+/-0.000 χ^2/NDF:5042435.8/44

All: 0.000+/-0.000 χ^2/NDF: 9670382.3/84

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

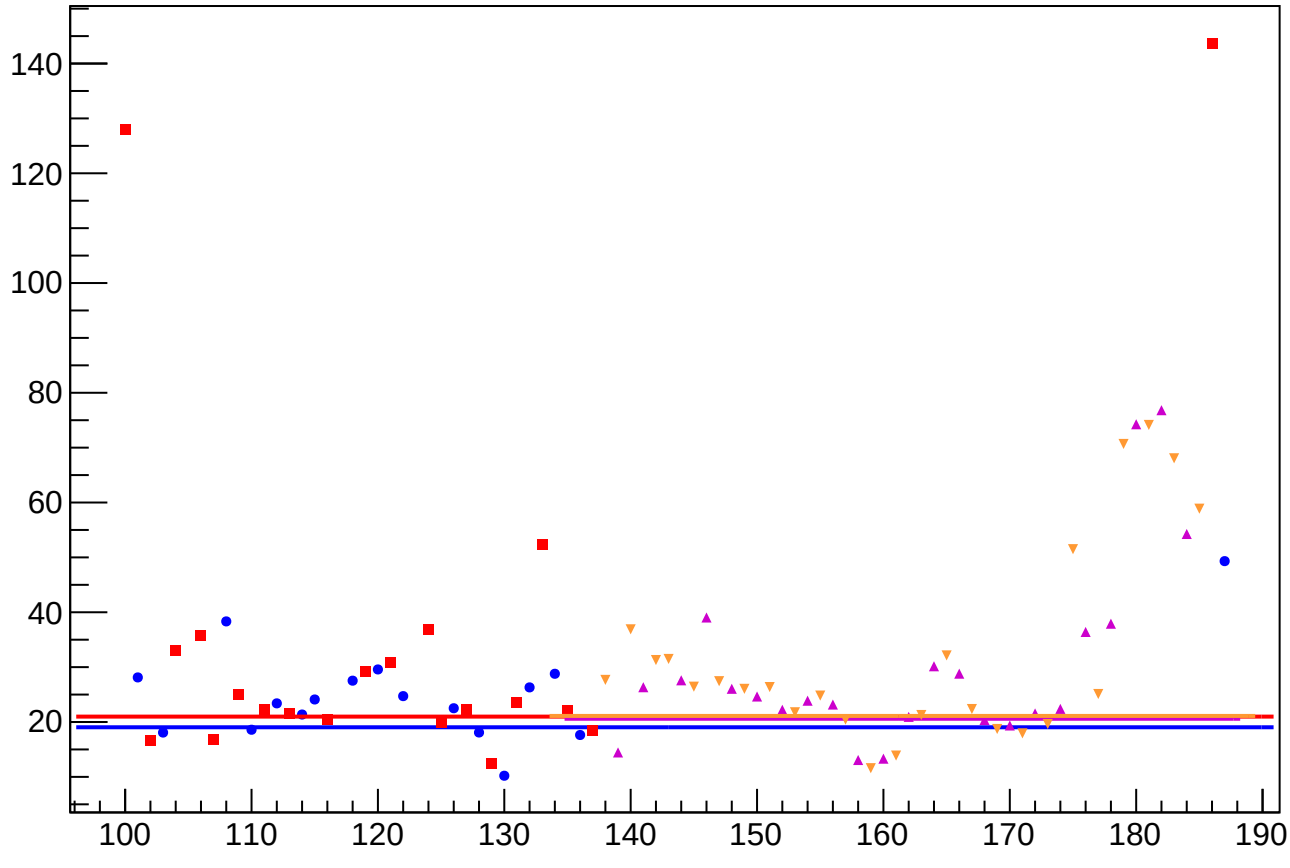
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.008+/-0.006 χ^2/NDF: 41.1/36

In: -0.001+/-0.004 χ^2/NDF:50.1/39

Out: -0.005+/-0.005 χ^2/NDF:50.2/44

All: -0.003+/-0.003 χ^2/NDF: 100.6/84



Right In: 19.041+/-0.006 χ^2/NDF: 1519763.9/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 20.985+/-0.006 χ^2/NDF: 1835585.6/19

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

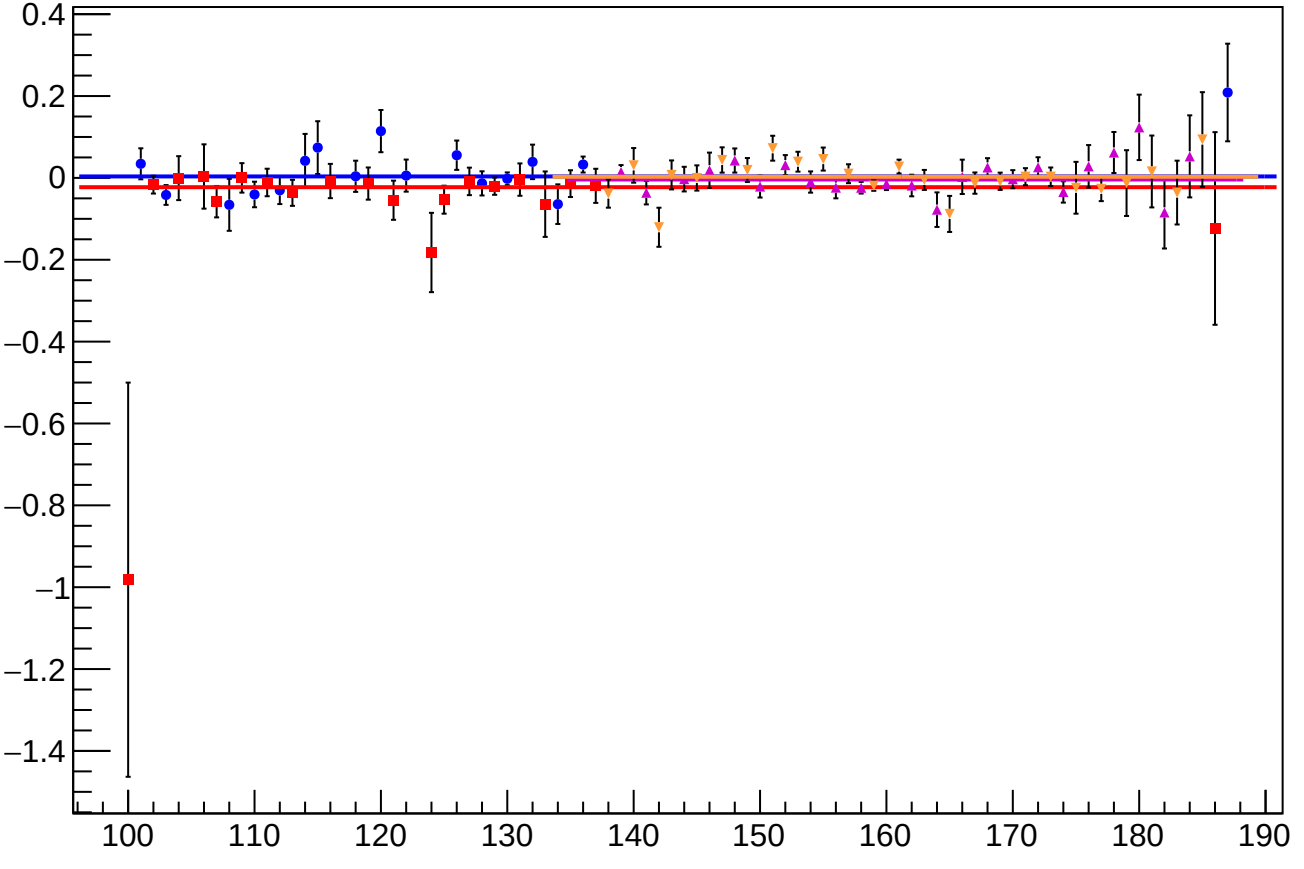
Right: 19.934+/-0.004 χ^2/NDF: 3412613.2/36

In: 20.084+/-0.003 χ^2/NDF:6172575.3/39

Out: 21.072+/-0.003 χ^2/NDF:7382418.7/44

All: 20.564+/-0.002 χ^2/NDF: 13602833.4/84

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

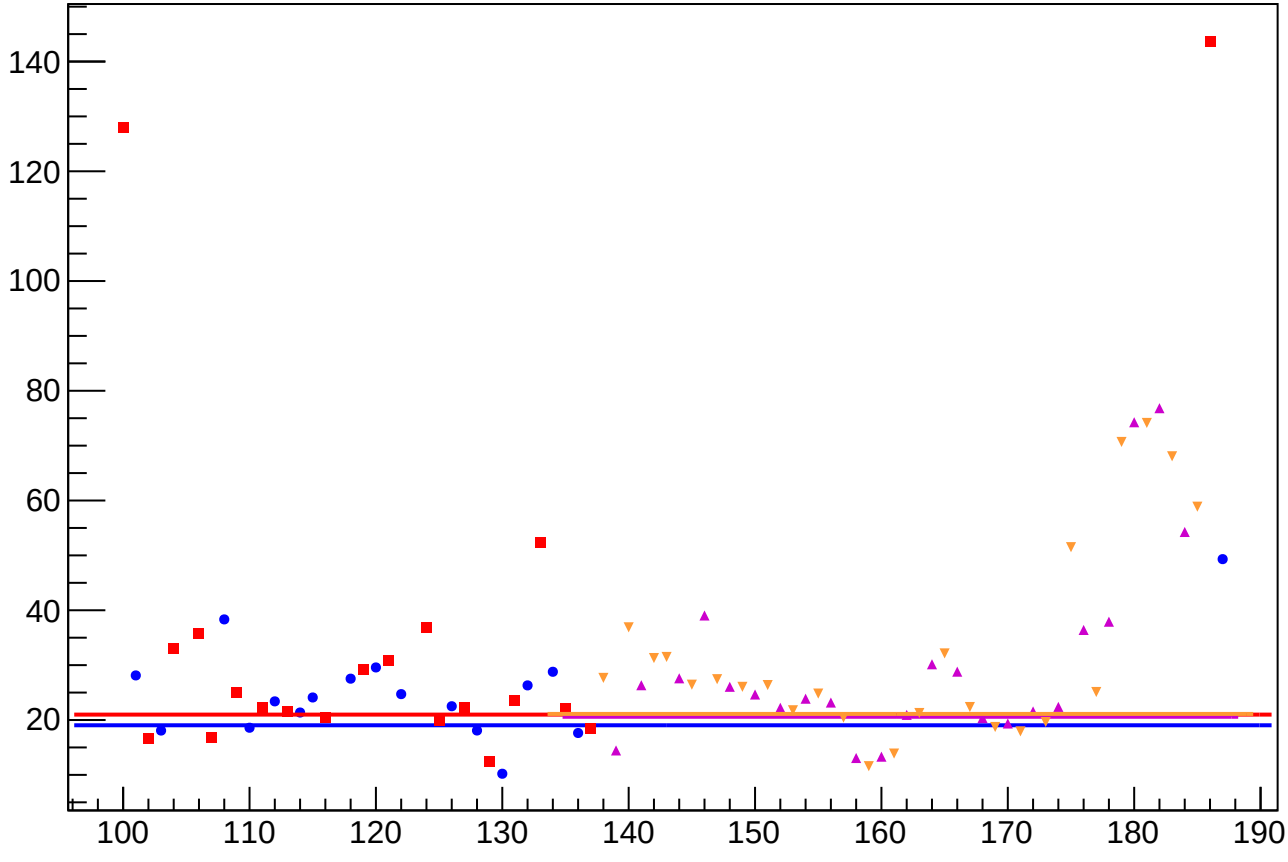
Right: -0.008+/-0.006 χ^2/NDF: 41.1/36

In: -0.001+/-0.004 χ^2/NDF:50.1/39

Out: -0.005+/-0.005 χ^2/NDF:50.2/44

All: -0.003+/-0.003 χ^2/NDF: 100.6/84

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.041+/-0.006 χ^2/NDF: 1519763.9/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 20.985+/-0.006 χ^2/NDF: 1835585.6/19

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

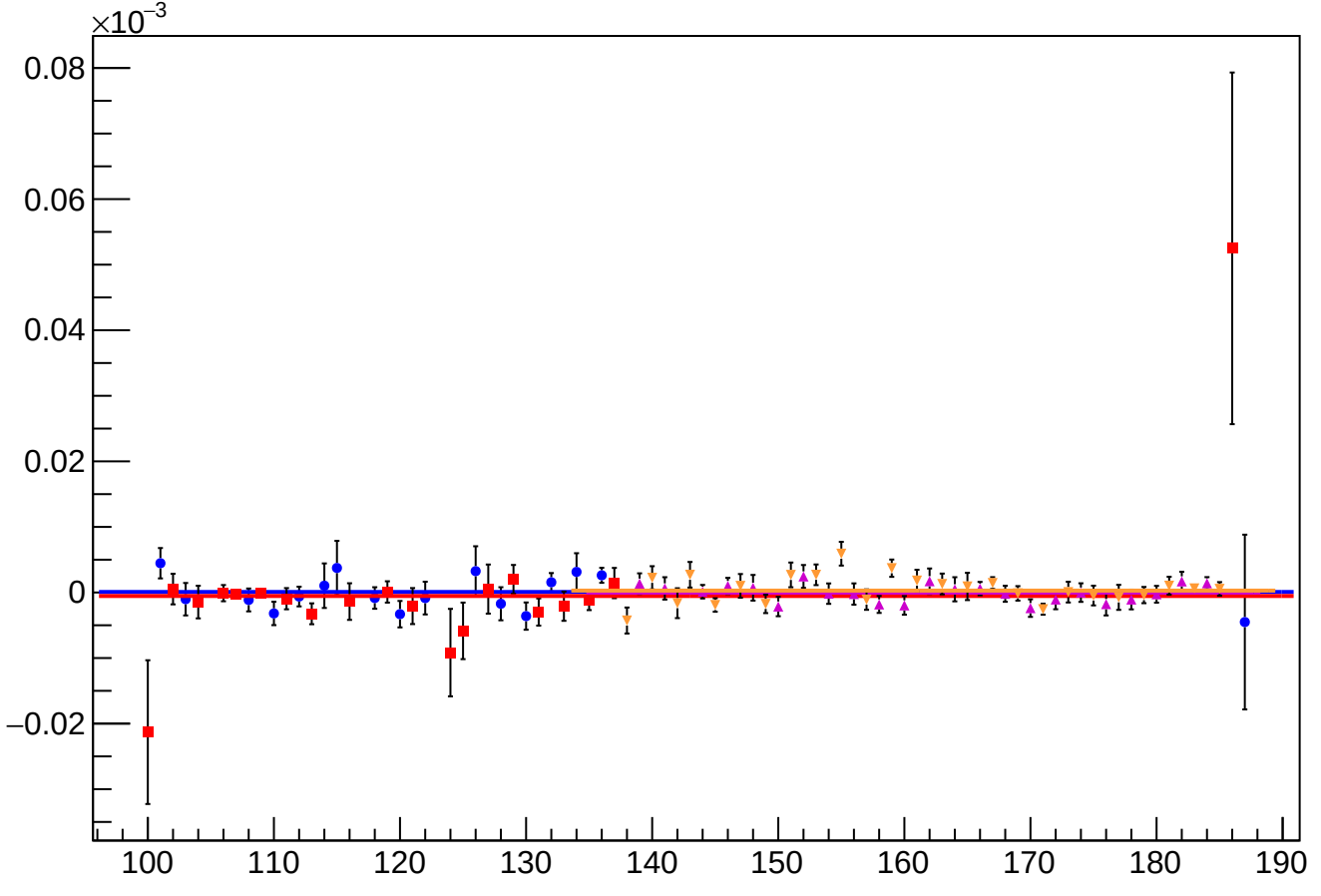
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 19.934+/-0.004 χ^2/NDF: 3412613.2/36

In: 20.084+/-0.003 χ^2/NDF:6172575.3/39

Out: 21.072+/-0.003 χ^2/NDF:7382418.7/44

All: 20.564+/-0.002 χ^2/NDF: 13602833.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/19

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

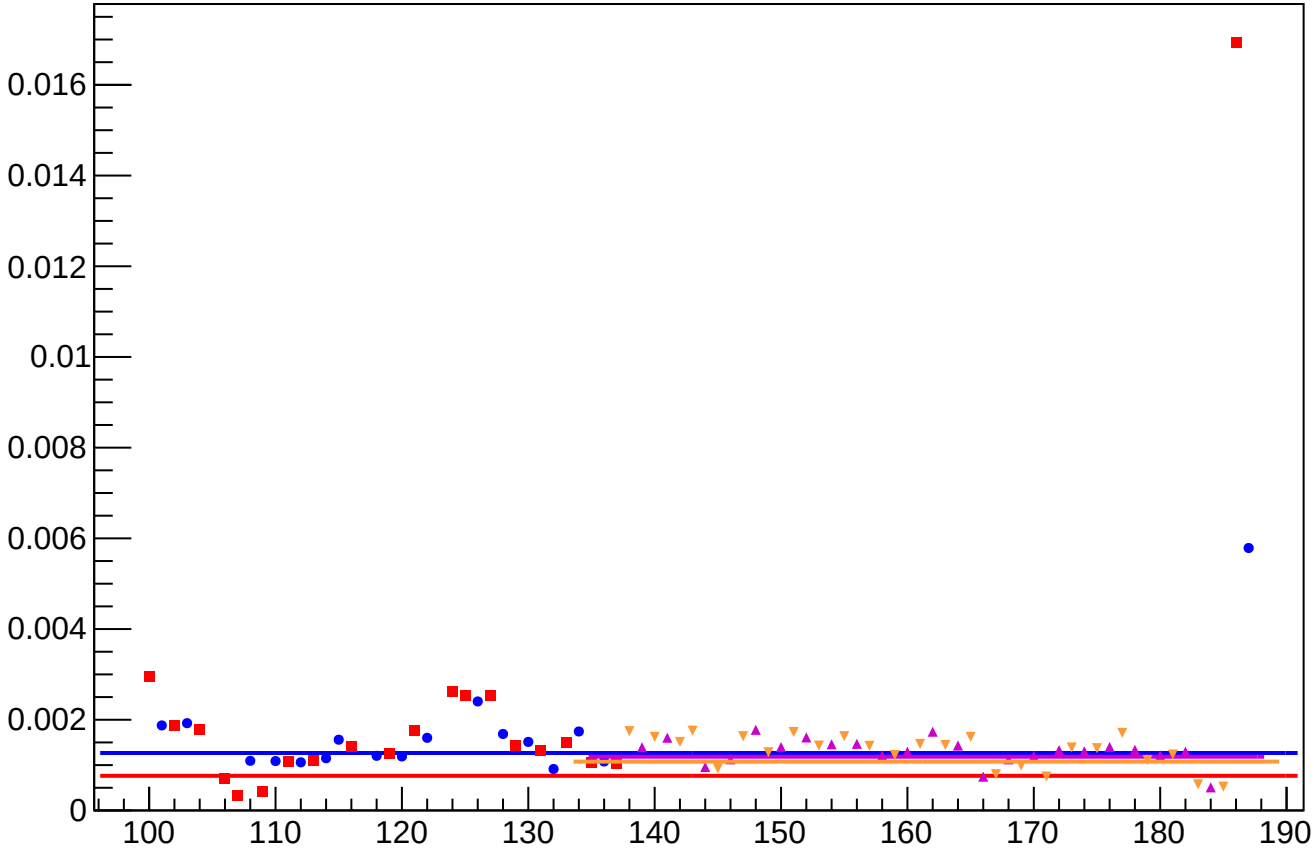
Right: -0.000+/-0.000 χ^2/NDF: 44.3/36

In: 0.000+/-0.000 χ^2/NDF:43.5/39

Out: -0.000+/-0.000 χ^2/NDF:75.9/44

All: -0.000+/-0.000 χ^2/NDF: 119.3/84

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1137725.8/16

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5399650.9/19

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

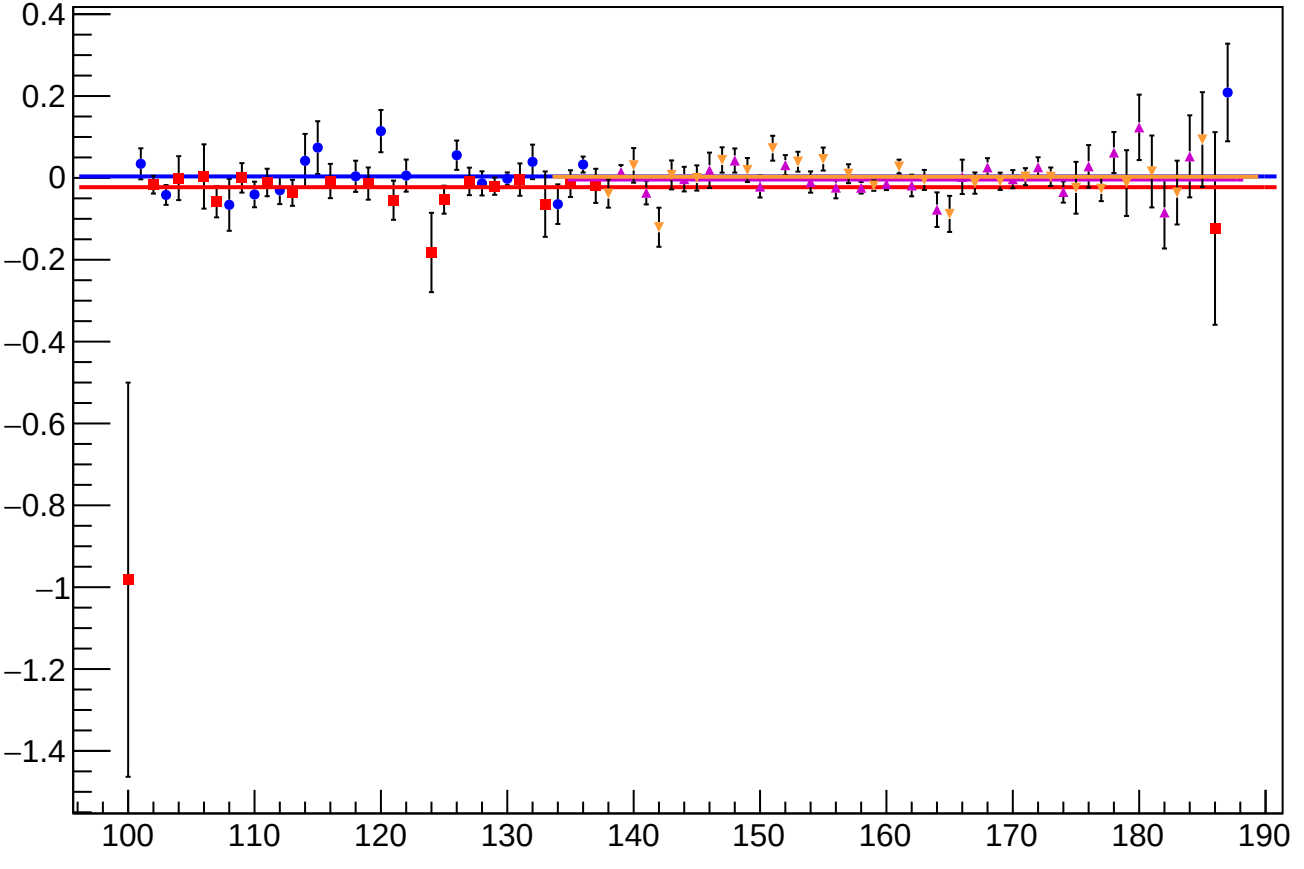
Right: 0.001+/-0.000 χ^2/NDF: 7976668.9/36

In: 0.001+/-0.000 χ^2/NDF:3636639.2/39

Out: 0.001+/-0.000 χ^2/NDF:11010267.1/44

All: 0.001+/-0.000 χ^2/NDF: 15812437.6/84

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

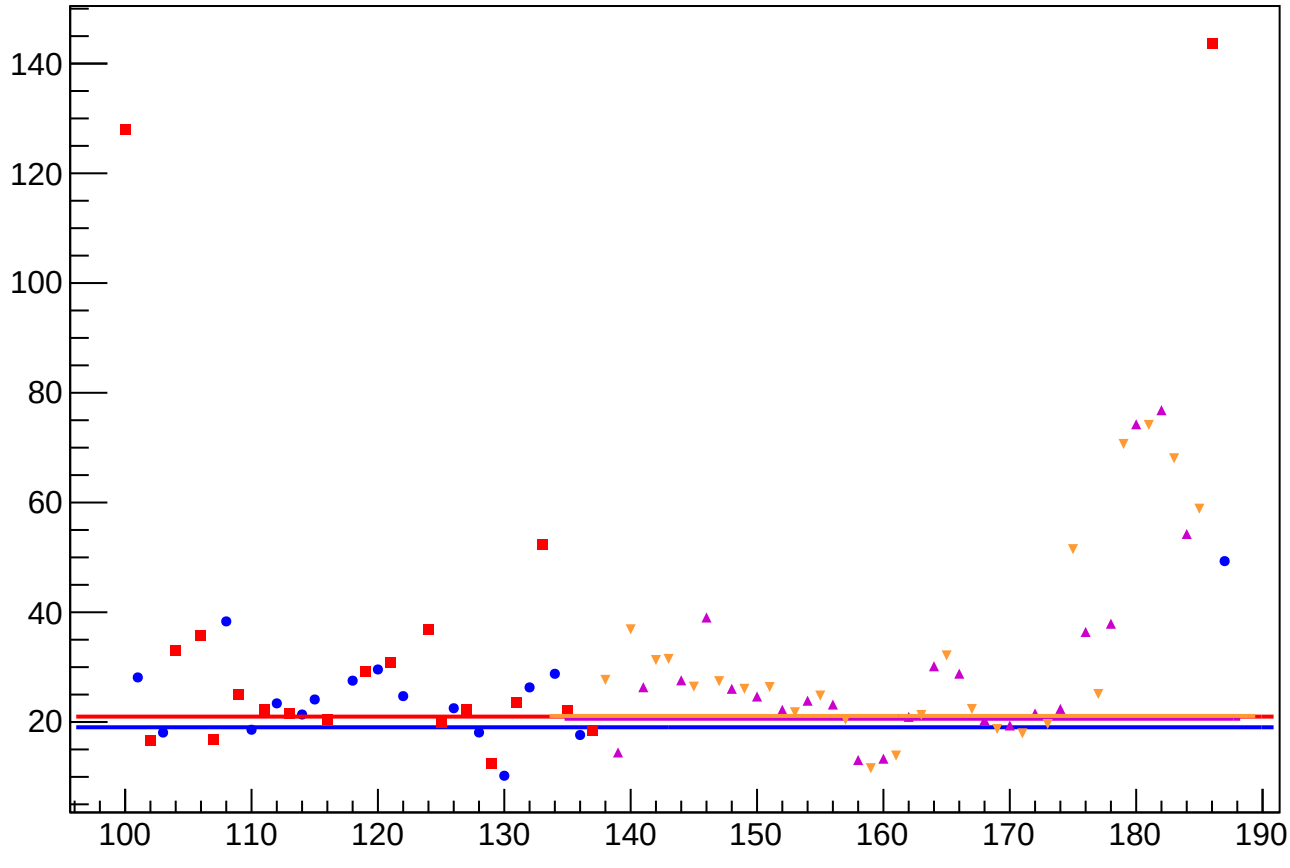
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.008+/-0.006 χ^2/NDF: 41.1/36

In: -0.001+/-0.004 χ^2/NDF:50.1/39

Out: -0.005+/-0.005 χ^2/NDF:50.2/44

All: -0.003+/-0.003 χ^2/NDF: 100.6/84



Right In: 19.041+/-0.006 χ^2/NDF: 1519655.8/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 20.985+/-0.006 χ^2/NDF: 1835591.7/19

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

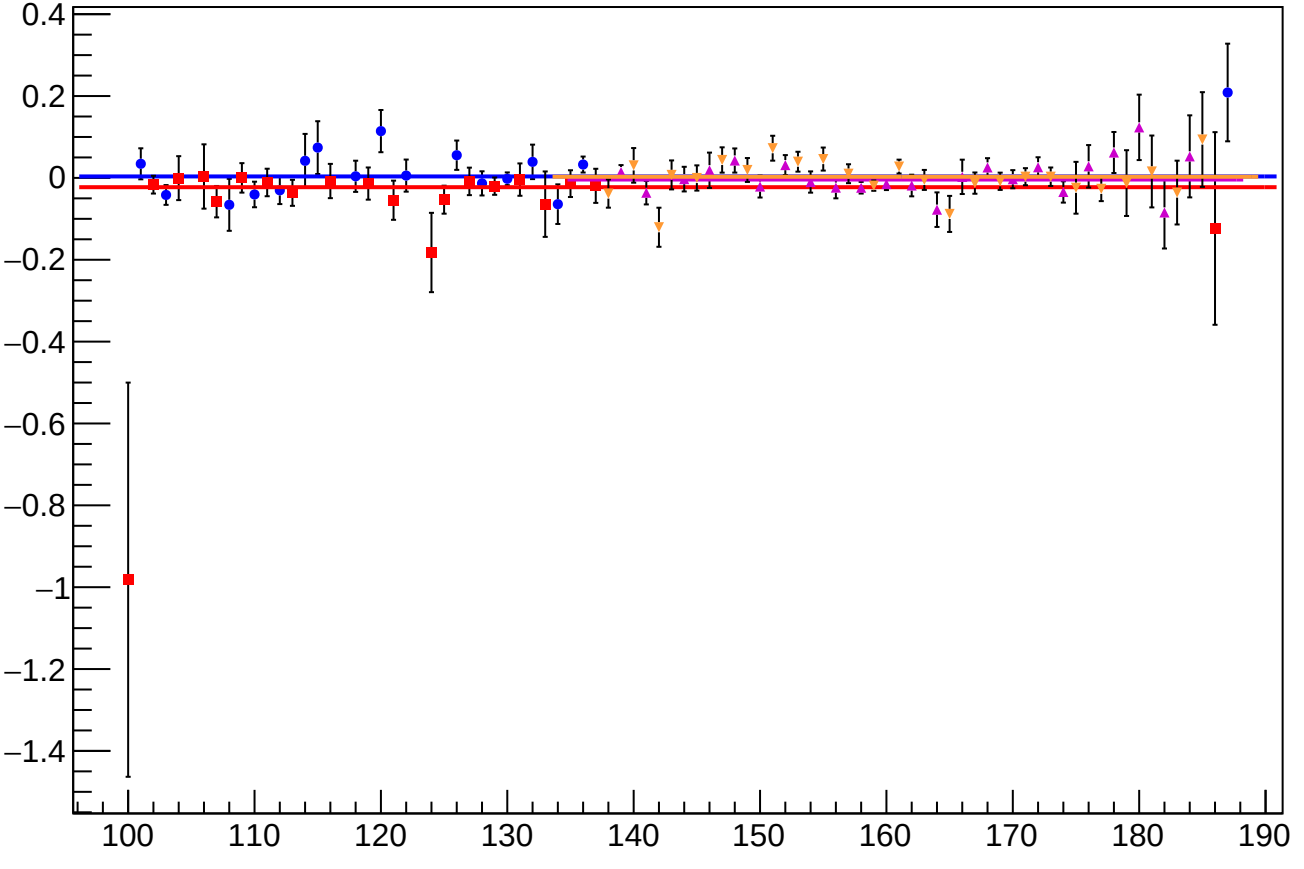
Right: 19.935+/-0.004 χ^2/NDF: 3412498.3/36

In: 20.084+/-0.003 χ^2/NDF:6172455.4/39

Out: 21.072+/-0.003 χ^2/NDF:7382558.8/44

All: 20.565+/-0.002 χ^2/NDF: 13602834.6/84

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

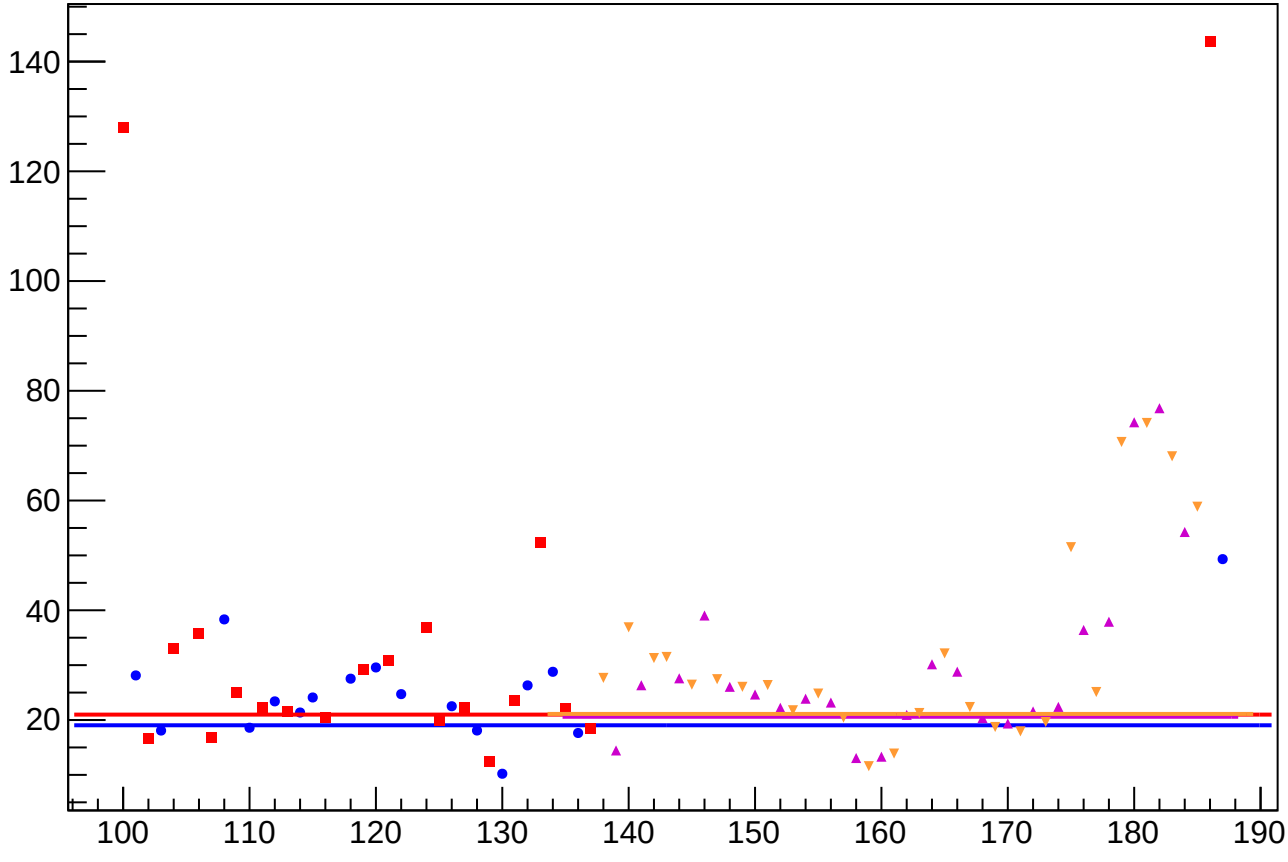
Right: -0.008+/-0.006 χ^2/NDF: 41.1/36

In: -0.001+/-0.004 χ^2/NDF:50.1/39

Out: -0.005+/-0.005 χ^2/NDF:50.2/44

All: -0.003+/-0.003 χ^2/NDF: 100.6/84

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.041+/-0.006 χ^2/NDF: 1519655.8/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 20.985+/-0.006 χ^2/NDF: 1835591.7/19

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

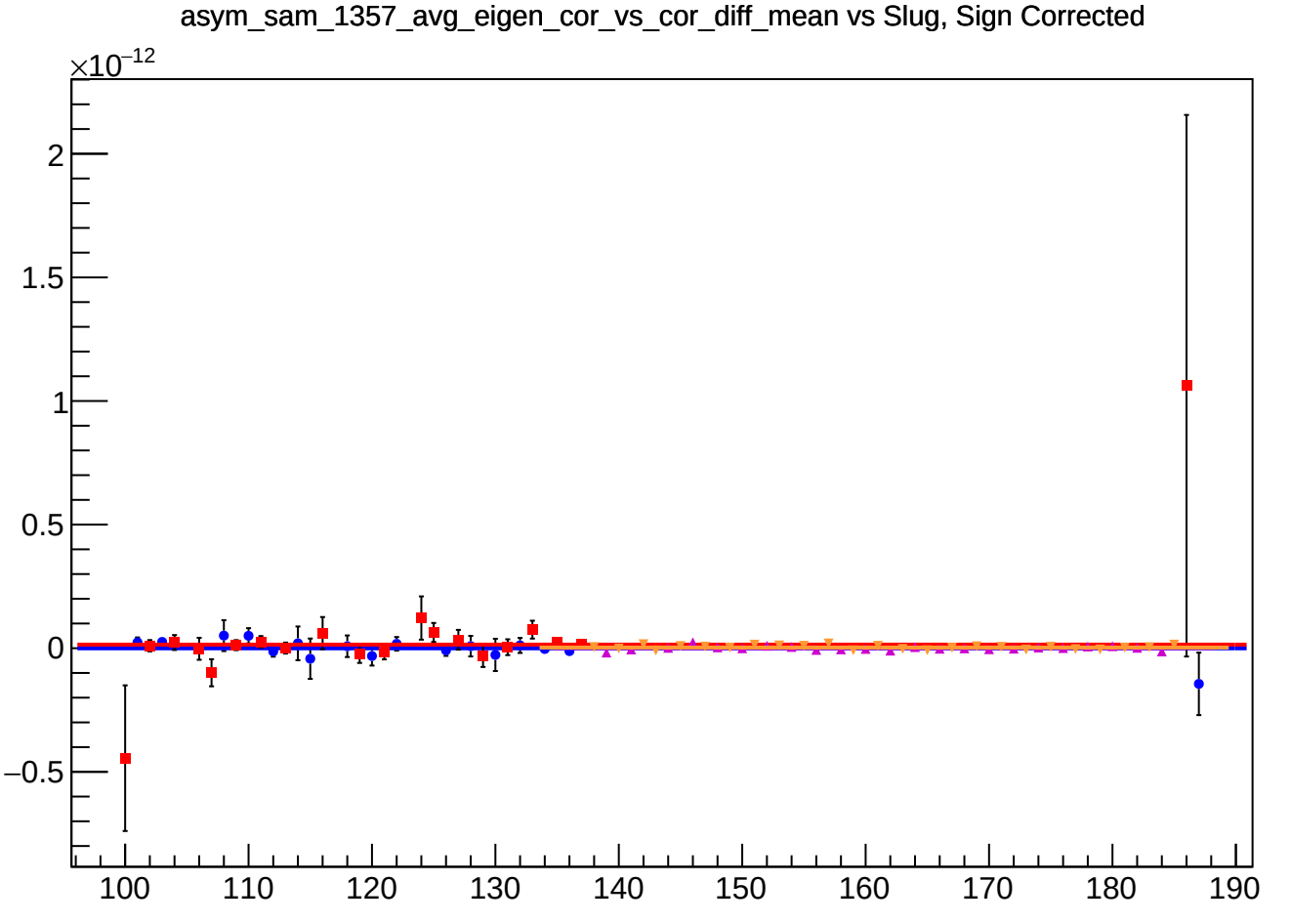
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 19.935+/-0.004 χ^2/NDF: 3412498.3/36

In: 20.084+/-0.003 χ^2/NDF:6172455.4/39

Out: 21.072+/-0.003 χ^2/NDF:7382558.8/44

All: 20.565+/-0.002 χ^2/NDF: 13602834.6/84



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

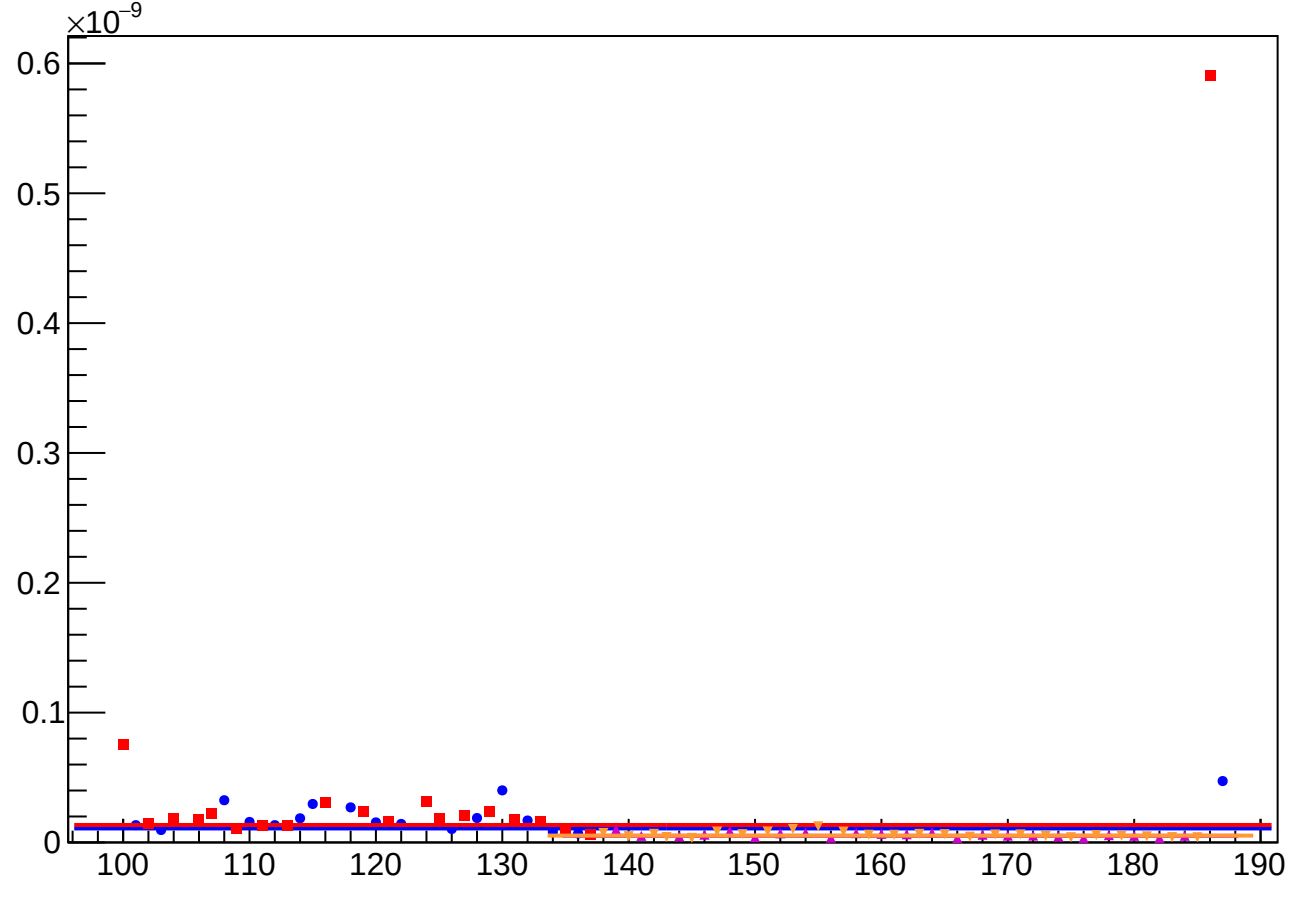
Right: 0.000+/-0.000 χ^2/NDF: 33.4/36

In: 0.000+/-0.000 χ^2/NDF:33.2/39

Out: 0.000+/-0.000 χ^2/NDF:42.4/44

All: 0.000+/-0.000 χ^2/NDF: 77.1/84

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2003590.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1958991.5/19

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

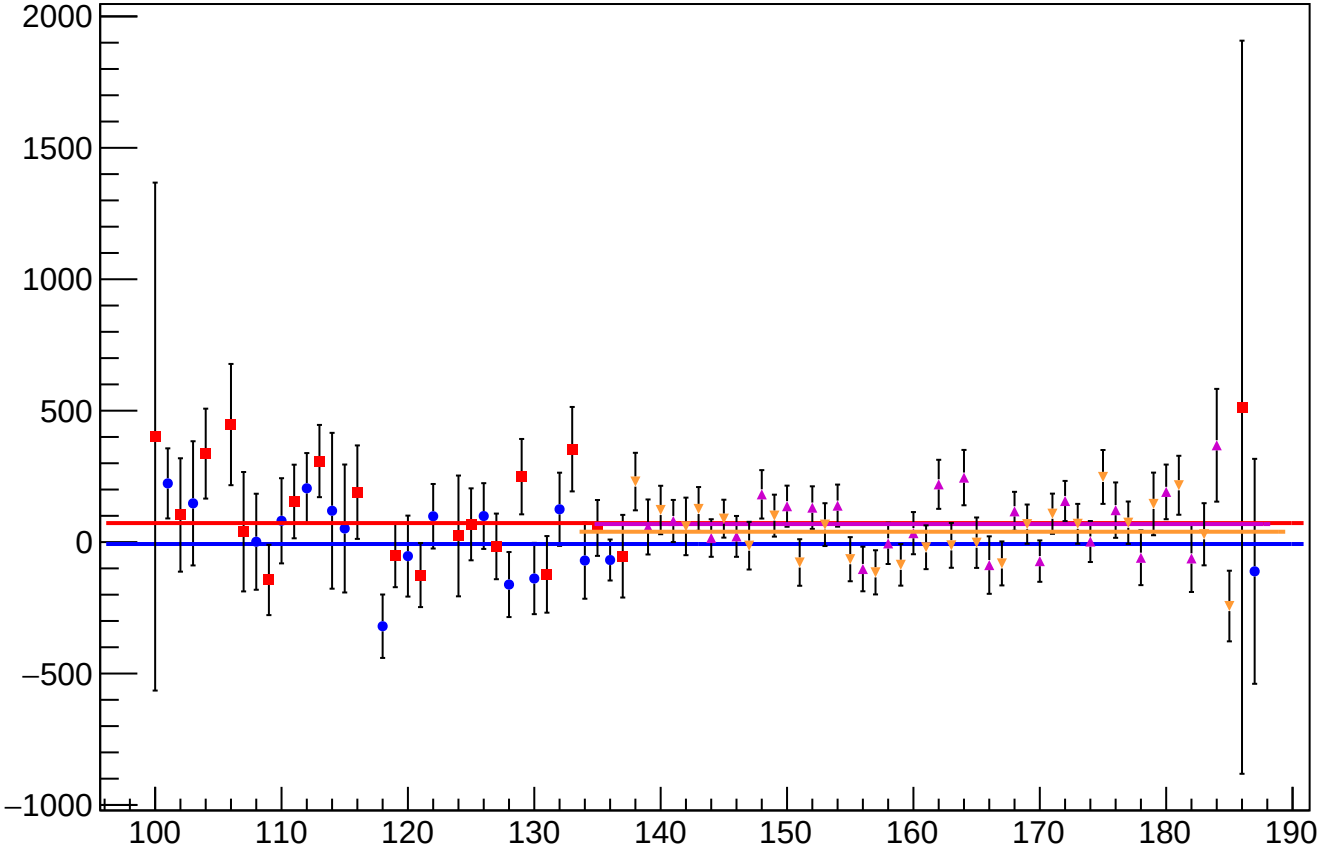
Right: 0.000+/-0.000 χ^2/NDF: 4154492.6/36

In: 0.000+/-0.000 χ^2/NDF:5639445.9/39

Out: 0.000+/-0.000 χ^2/NDF:6990502.9/44

All: 0.000+/-0.000 χ^2/NDF: 12649984.6/84

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -7.226+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 72.399+/-34.872 χ^2/NDF: 22.9/19

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

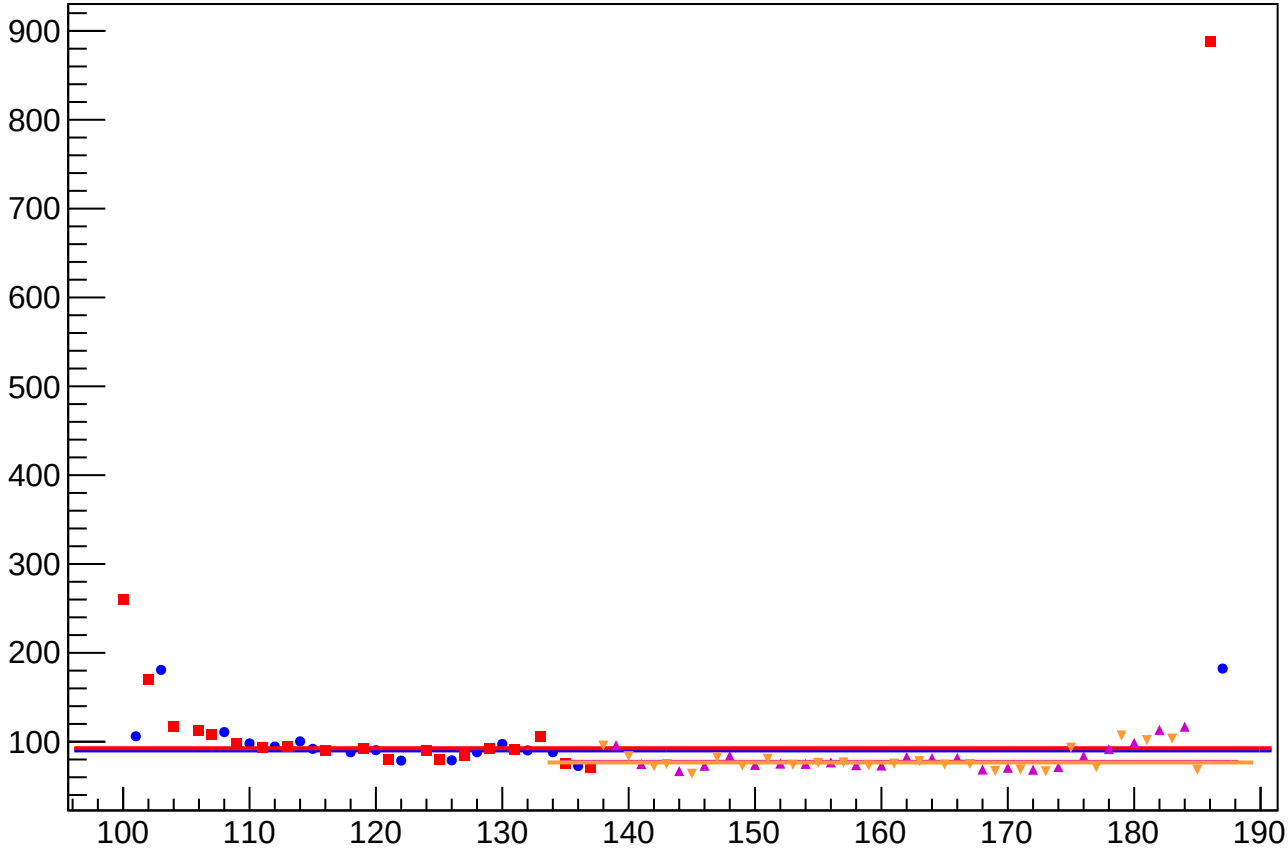
Right: 31.785+/-24.409 χ^2/NDF: 44.5/36

In: 51.695+/-16.145 χ^2/NDF:51.8/39

Out: 46.201+/-15.759 χ^2/NDF:55.5/44

All: 48.882+/-11.277 χ^2/NDF: 107.4/84

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 90.195+/-0.024 χ^2/NDF: 591659.4/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 92.659+/-0.025 χ^2/NDF: 1193065.3/19

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

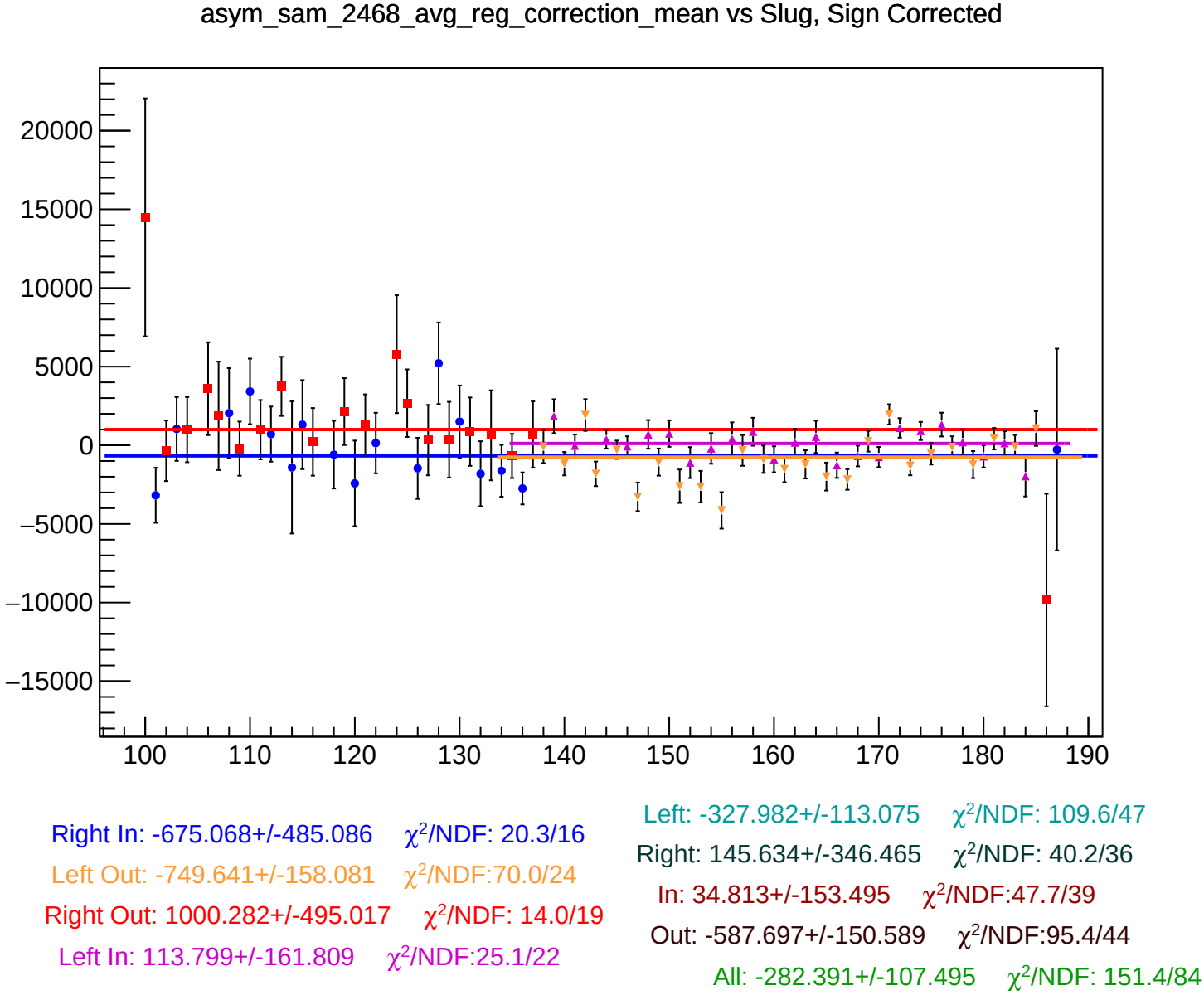
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

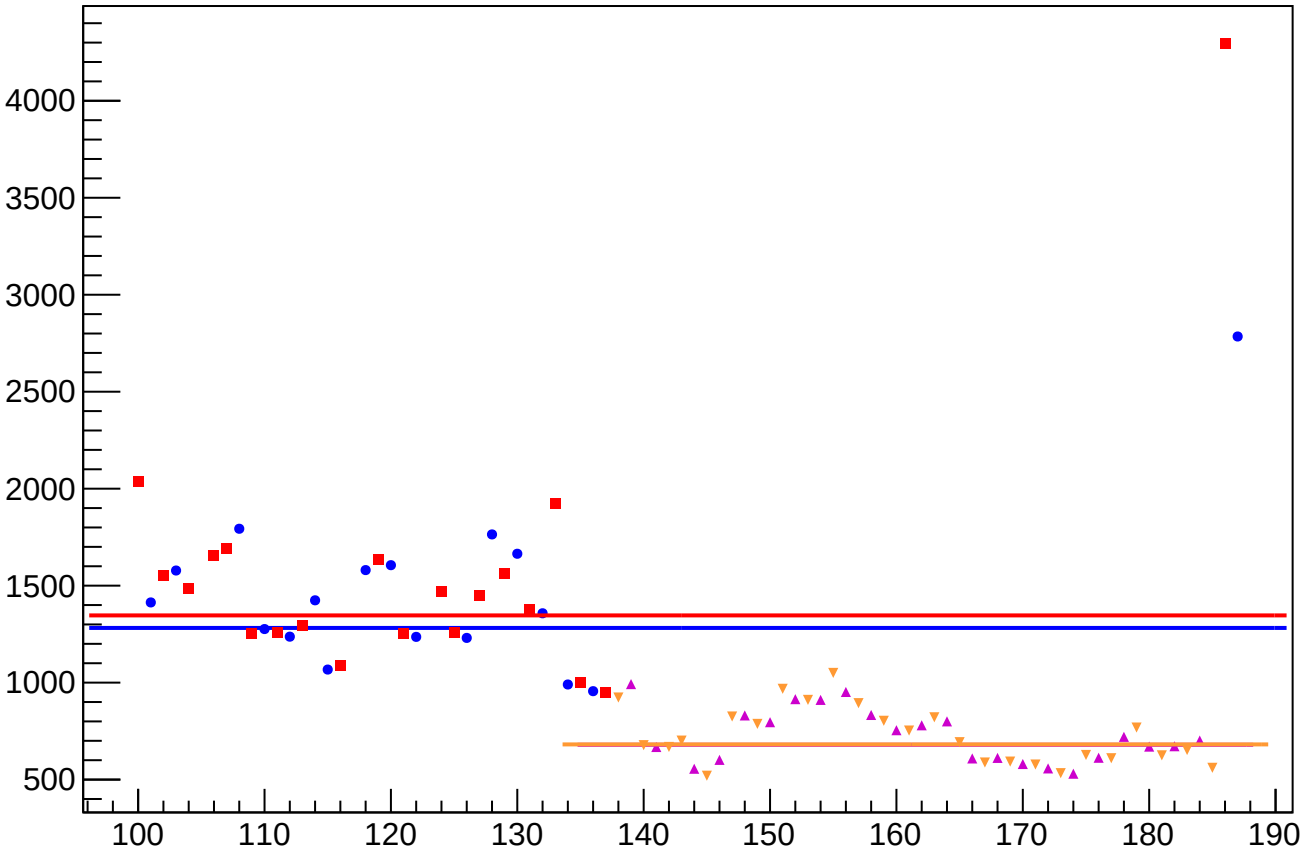
Right: 91.402+/-0.017 χ^2/NDF: 1789816.6/36

In: 80.215+/-0.011 χ^2/NDF:1401605.2/39

Out: 79.917+/-0.011 χ^2/NDF:2183236.1/44

All: 80.062+/-0.008 χ^2/NDF: 3585191.4/84


asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -675.068+/-485.086 χ²/NDF: 20.3/16
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: 1000.282+/-495.017 χ²/NDF: 14.0/19
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: 145.634+/-346.465 χ²/NDF: 40.2/36
In: 34.813+/-153.495 χ²/NDF:47.7/39
Out: -587.697+/-150.589 χ²/NDF:95.4/44
All: -282.391+/-107.495 χ²/NDF: 151.4/84



Right In: 1281.972+/-0.343 χ^2/NDF: 707971.5/16

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1346.590+/-0.350 χ^2/NDF: 853480.8/19

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

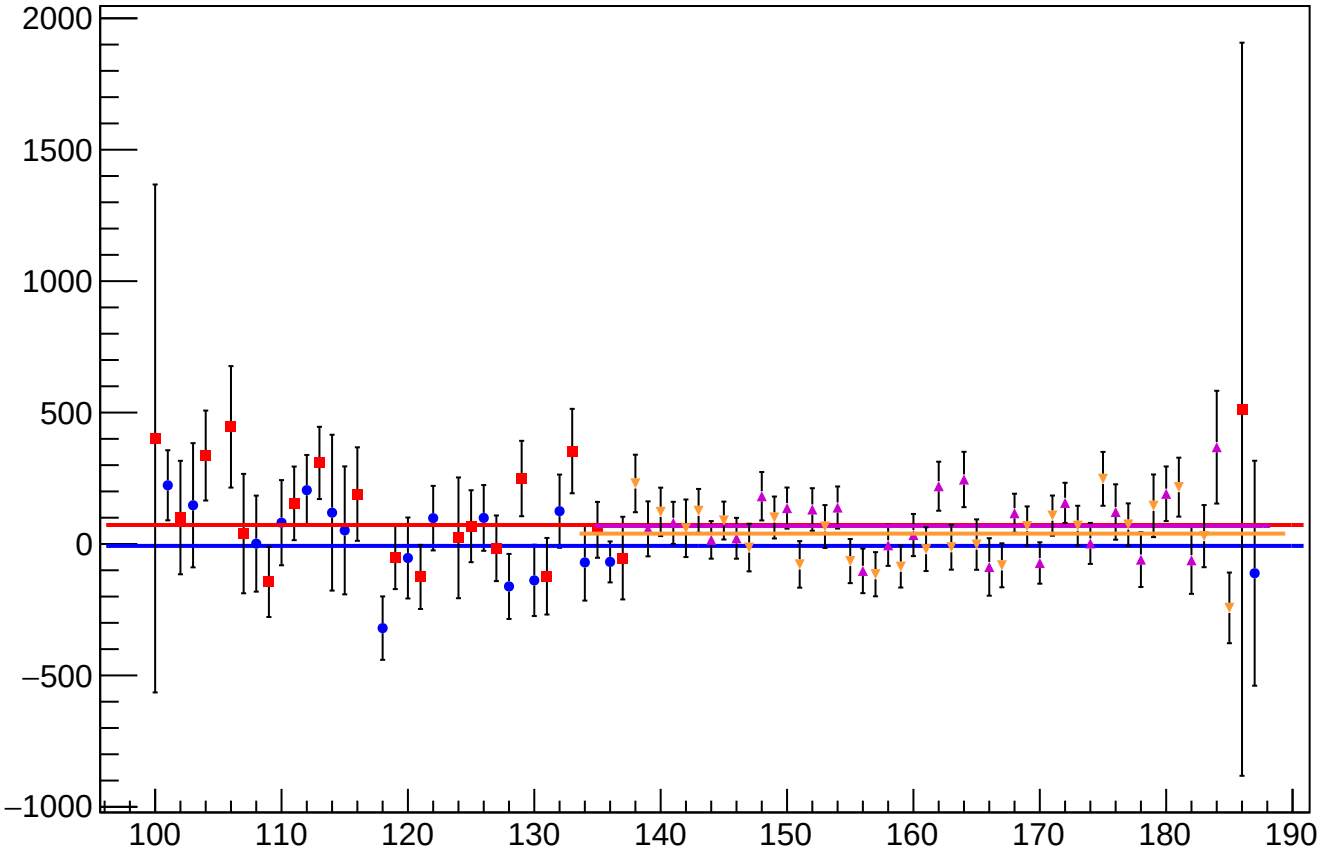
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1313.626+/-0.245 χ^2/NDF: 1578837.6/36

In: 739.746+/-0.109 χ^2/NDF:4670213.5/39

Out: 742.983+/-0.106 χ^2/NDF:5464670.1/44

All: 741.395+/-0.076 χ^2/NDF: 10135337.0/84



Right In: -7.236+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 72.256+/-34.874 χ^2/NDF: 22.9/19

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

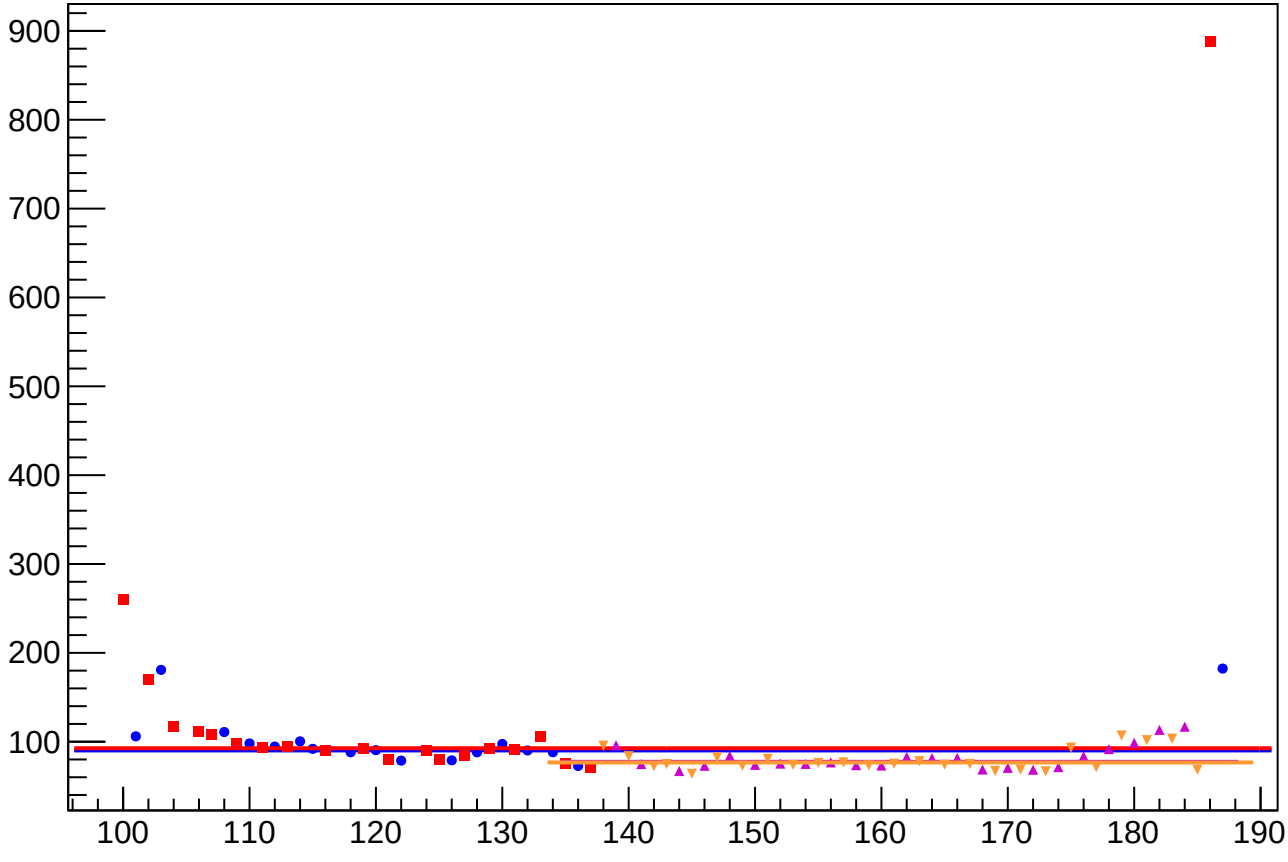
Right: 31.707+/-24.409 χ^2/NDF: 44.5/36

In: 51.693+/-16.145 χ^2/NDF:51.8/39

Out: 46.177+/-15.759 χ^2/NDF:55.5/44

All: 48.868+/-11.277 χ^2/NDF: 107.4/84

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 90.195+/-0.024 χ^2/NDF: 591663.0/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 92.627+/-0.025 χ^2/NDF: 1191351.6/19

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

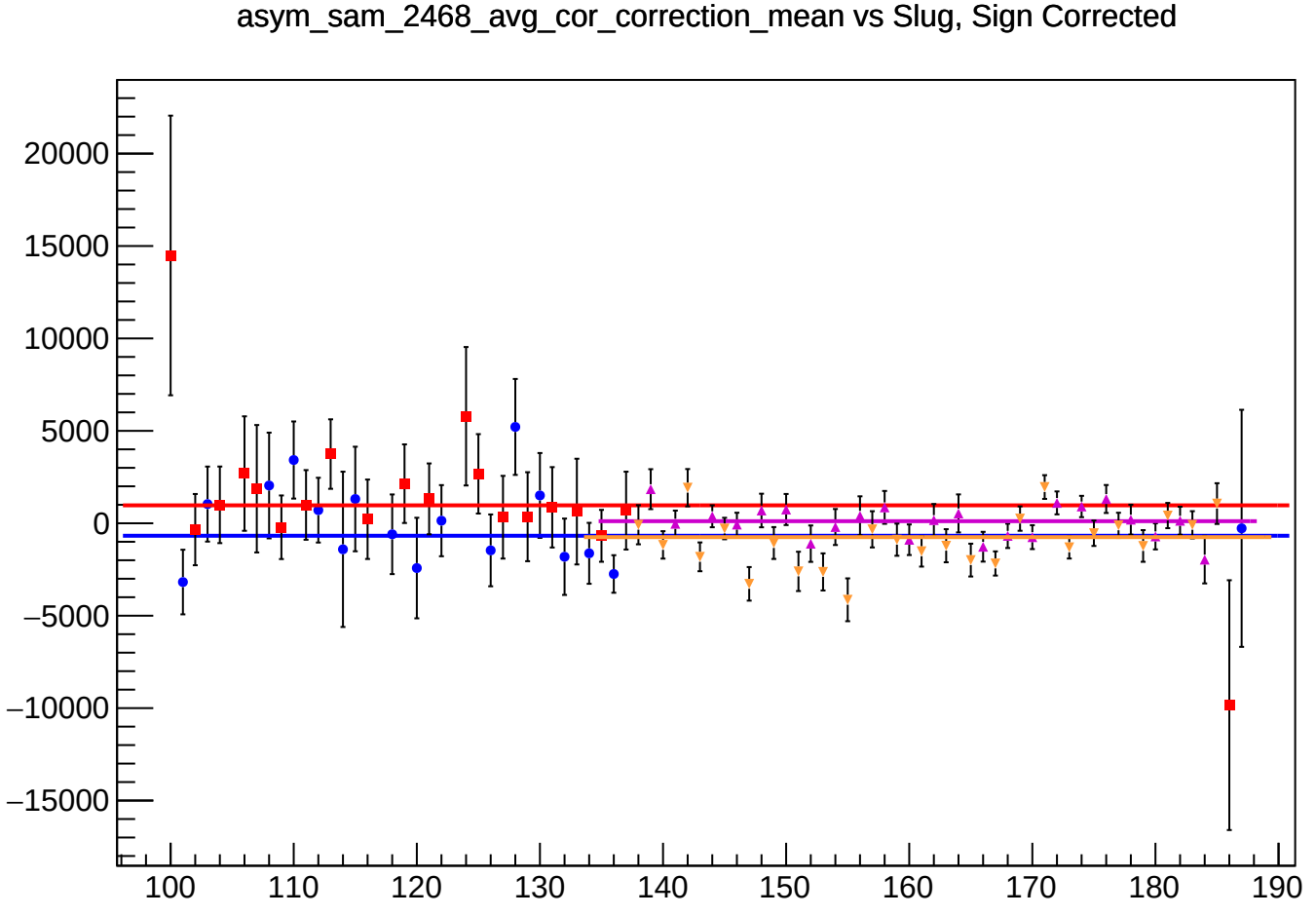
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 91.387+/-0.017 χ^2/NDF: 1787975.9/36

In: 80.215+/-0.011 χ^2/NDF:1401608.7/39

Out: 79.910+/-0.011 χ^2/NDF:2180164.9/44

All: 80.059+/-0.008 χ^2/NDF: 3582139.7/84



Right In: -675.032+/-485.088 χ^2/NDF: 20.3/16

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 970.916+/-495.679 χ^2/NDF: 13.6/19

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

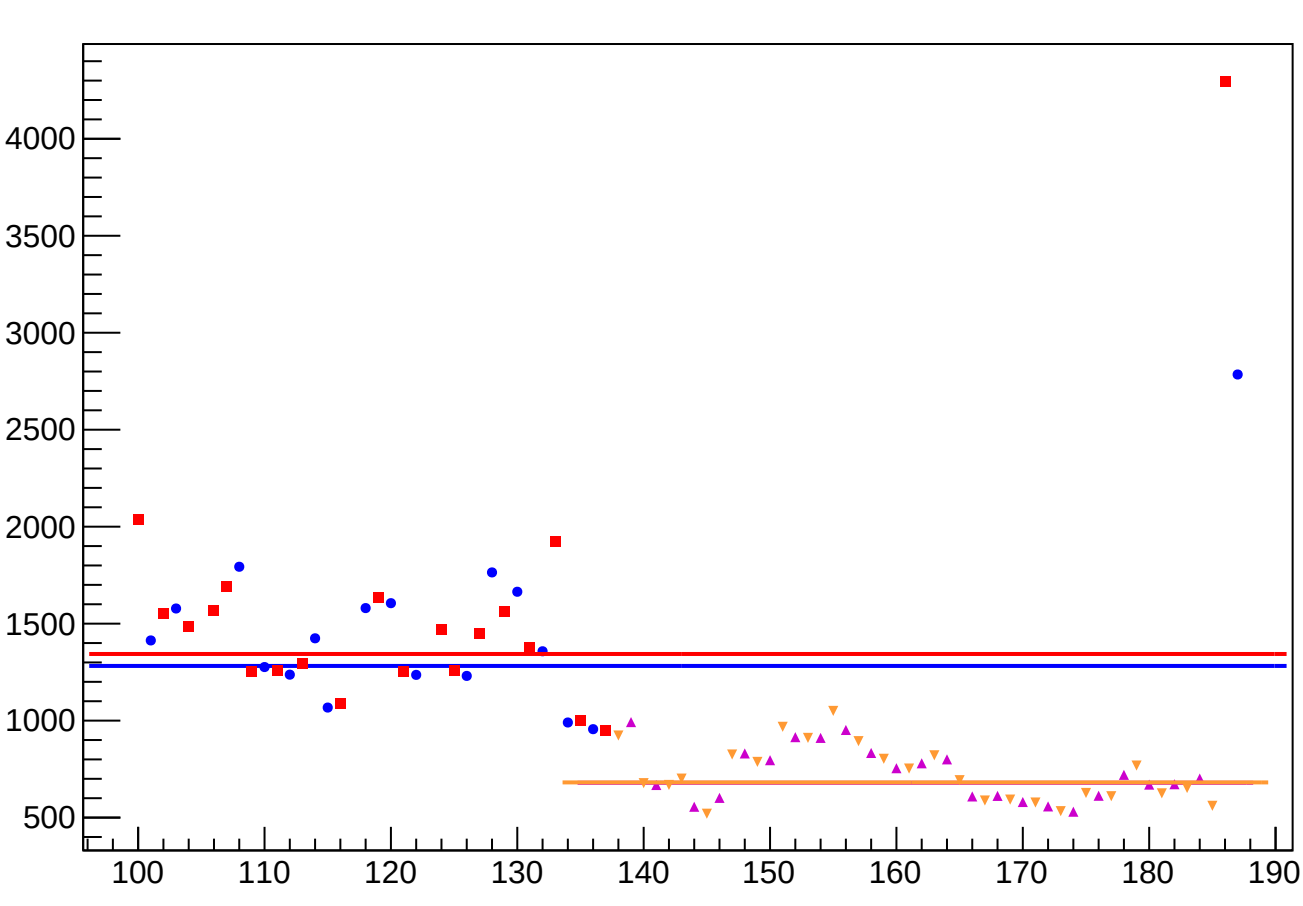
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 130.171+/-346.693 χ^2/NDF: 39.5/36

In: 34.817+/-153.495 χ^2/NDF:47.7/39

Out: -590.792+/-150.607 χ^2/NDF:94.5/44

All: -283.928+/-107.502 χ^2/NDF: 150.6/84



Right In: 1281.975+/-0.343 χ^2/NDF: 707998.0/16

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1343.626+/-0.350 χ^2/NDF: 842033.9/19

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

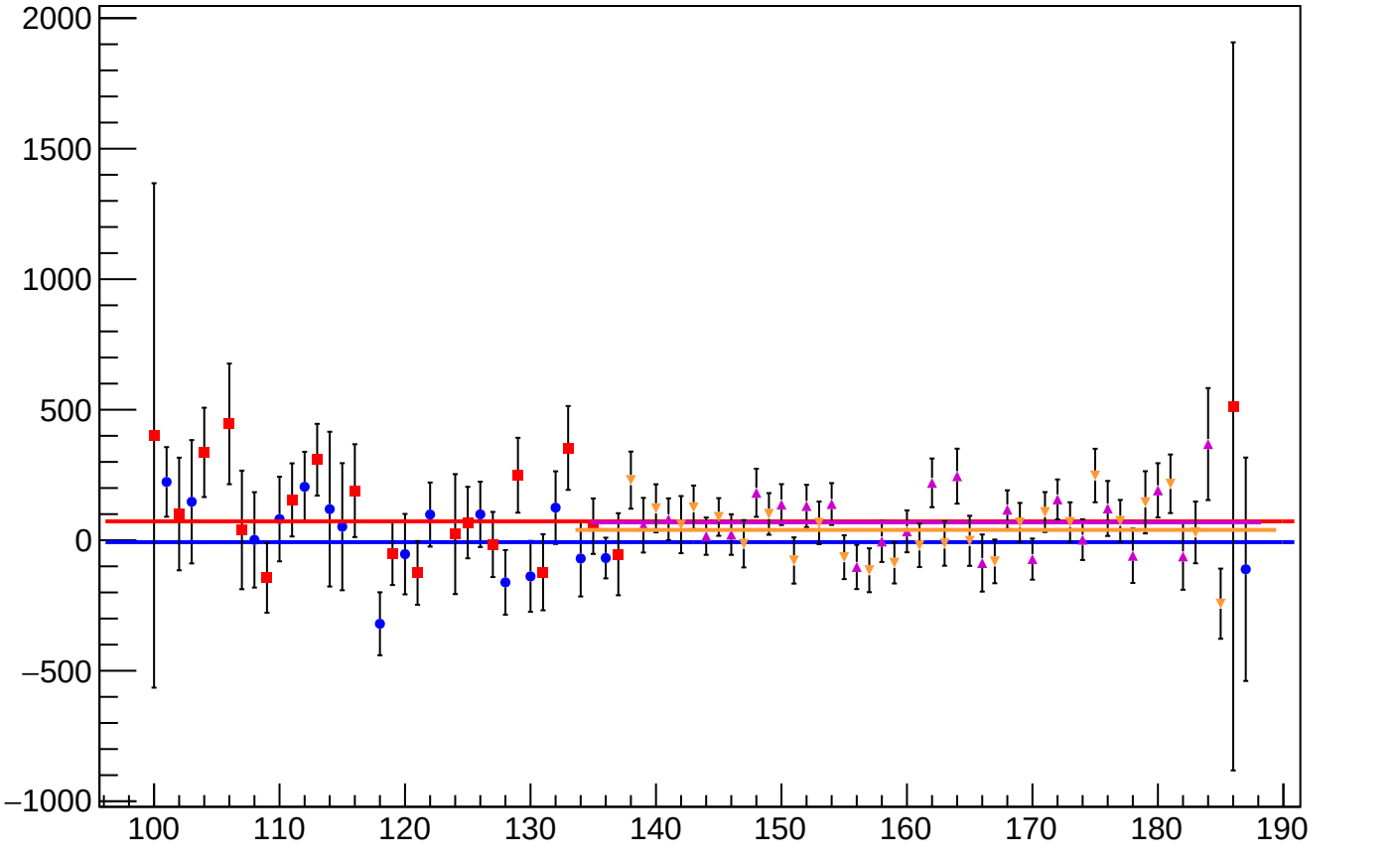
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1312.135+/-0.245 χ^2/NDF: 1565835.6/36

In: 739.746+/-0.109 χ^2/NDF:4670247.9/39

Out: 742.560+/-0.106 χ^2/NDF:5416218.9/44

All: 741.180+/-0.076 χ^2/NDF: 10086809.5/84



Right In: -7.236+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 72.256+/-34.874 χ^2/NDF: 22.9/19

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

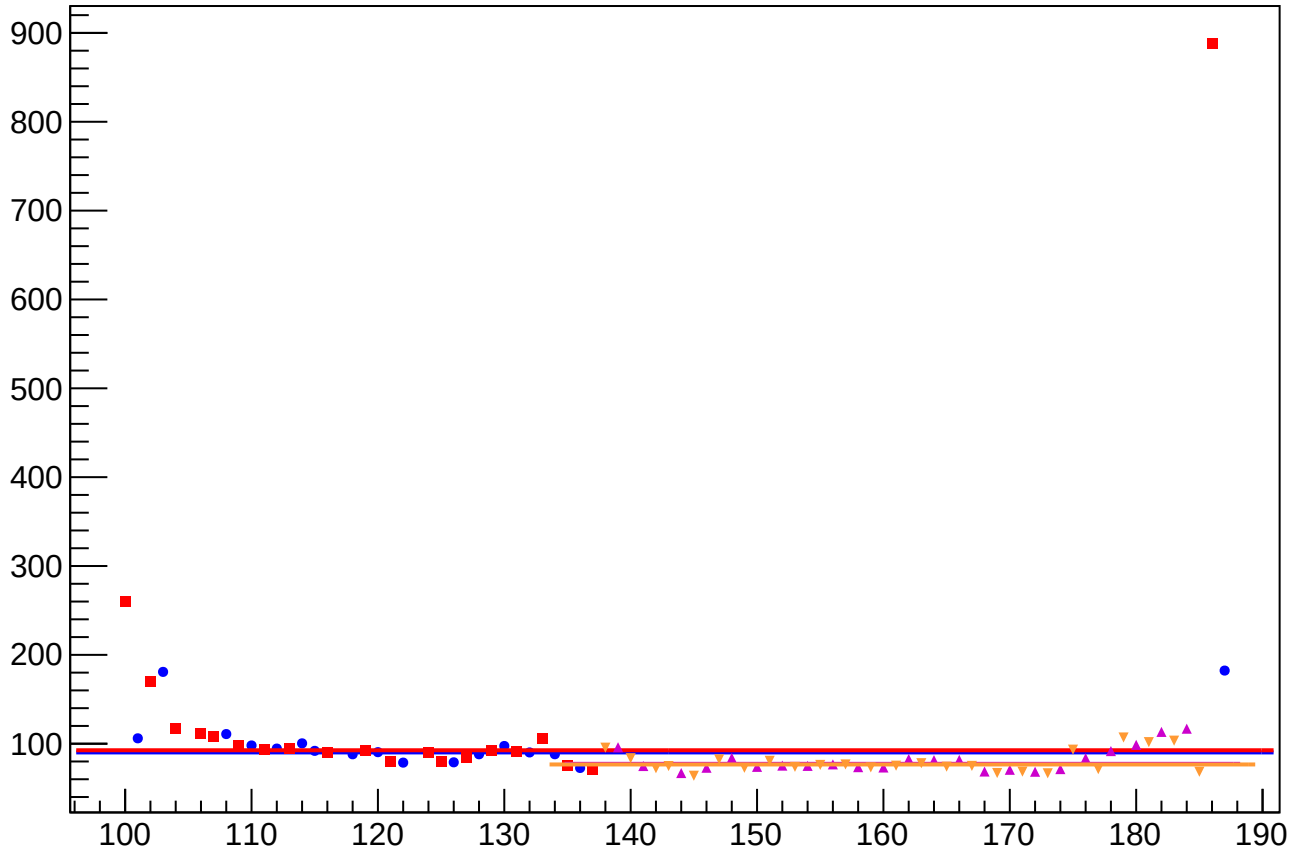
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 31.707+/-24.409 χ^2/NDF: 44.5/36

In: 51.693+/-16.145 χ^2/NDF:51.8/39

Out: 46.177+/-15.759 χ^2/NDF:55.5/44

All: 48.868+/-11.277 χ^2/NDF: 107.4/84



Right In: 90.195+/-0.024 χ^2/NDF: 591663.0/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 92.627+/-0.025 χ^2/NDF: 1191351.6/19

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

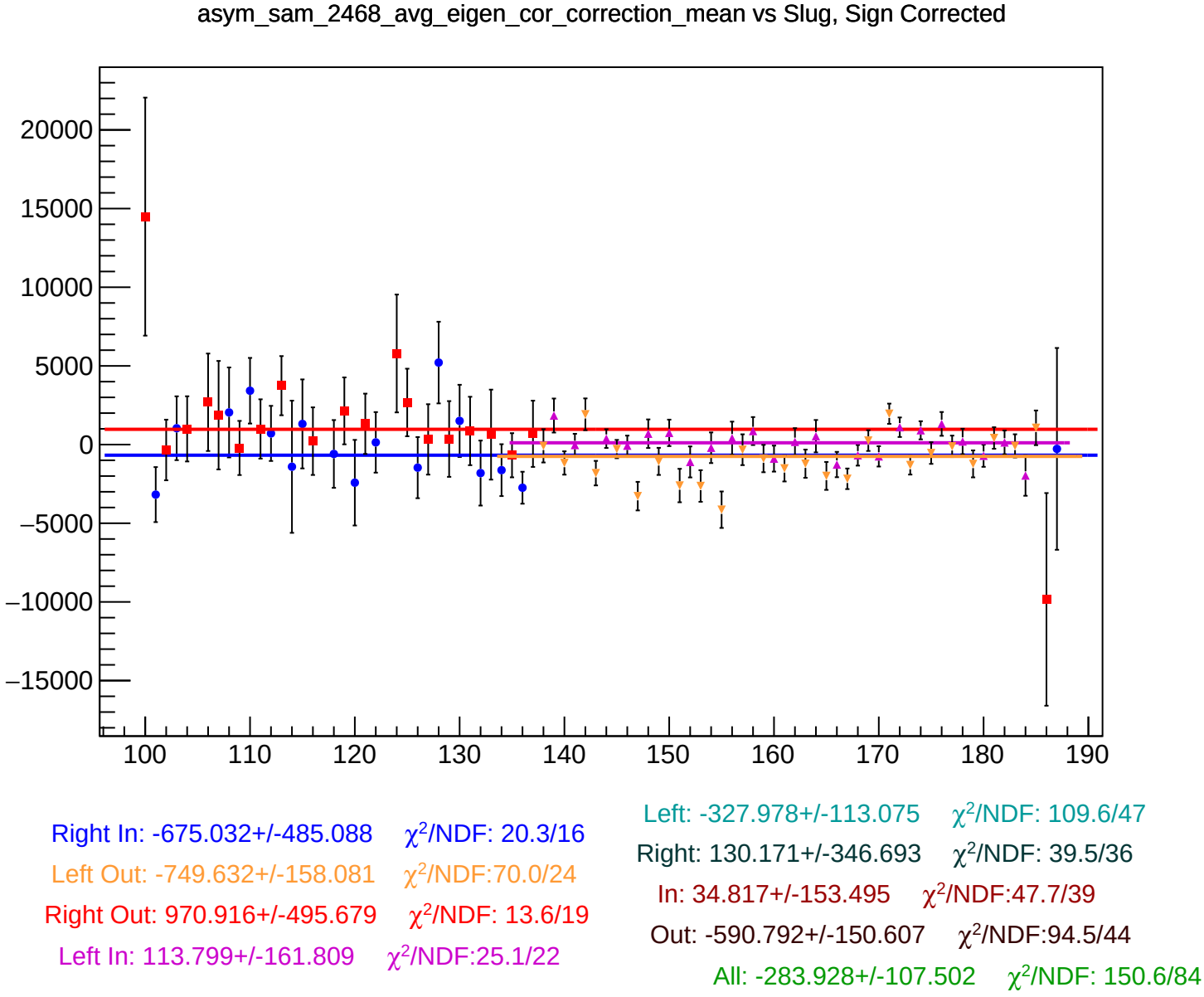
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

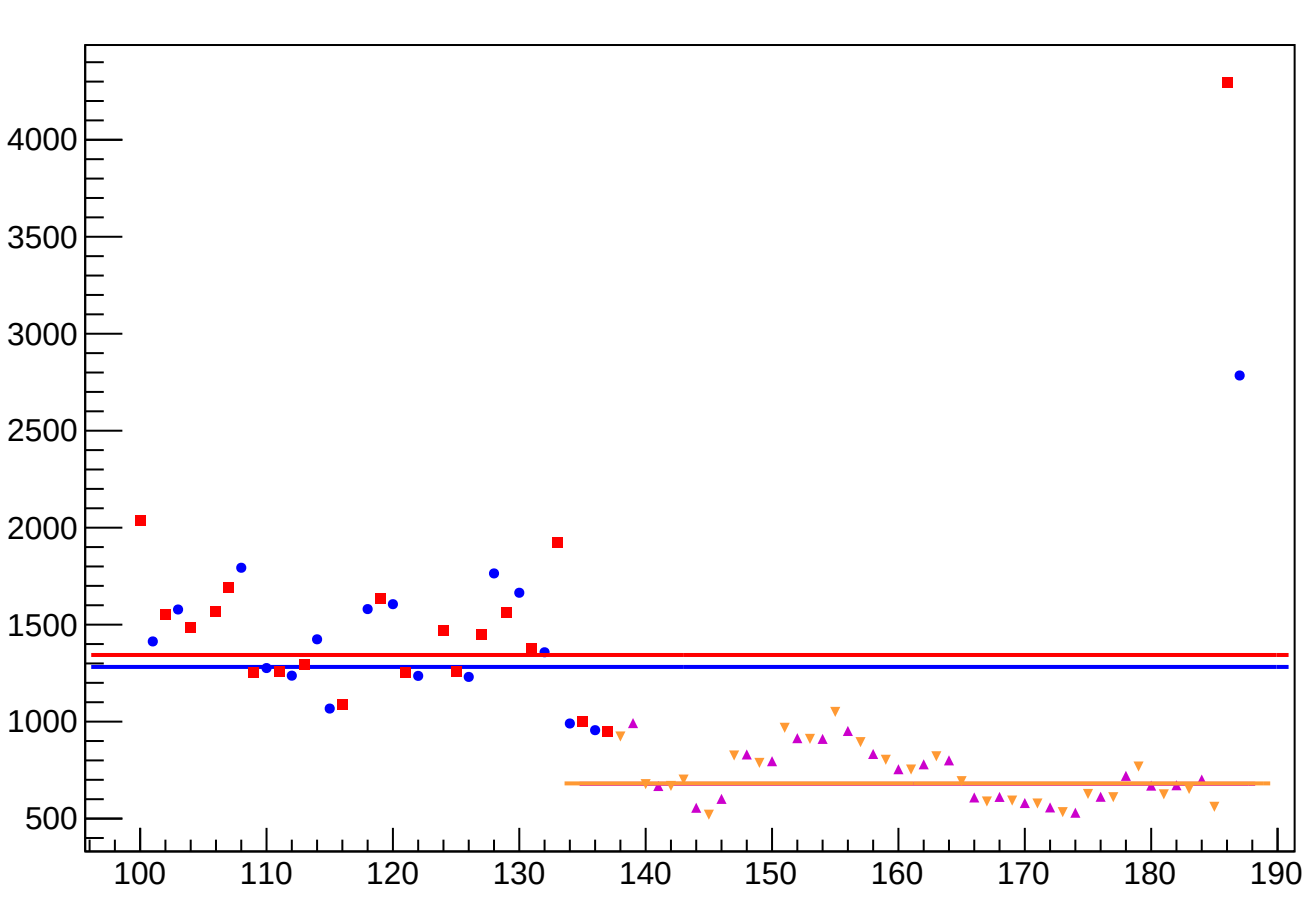
Right: 91.387+/-0.017 χ^2/NDF: 1787975.9/36

In: 80.215+/-0.011 χ^2/NDF:1401608.7/39

Out: 79.910+/-0.011 χ^2/NDF:2180164.9/44

All: 80.059+/-0.008 χ^2/NDF: 3582139.7/84


asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -675.032+/-485.088 χ²/NDF: 20.3/16
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 970.916+/-495.679 χ²/NDF: 13.6/19
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 130.171+/-346.693 χ²/NDF: 39.5/36
In: 34.817+/-153.495 χ²/NDF:47.7/39
Out: -590.792+/-150.607 χ²/NDF:94.5/44
All: -283.928+/-107.502 χ²/NDF: 150.6/84



Right In: 1281.975+/-0.343 χ^2/NDF: 707998.0/16

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1343.626+/-0.350 χ^2/NDF: 842033.9/19

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

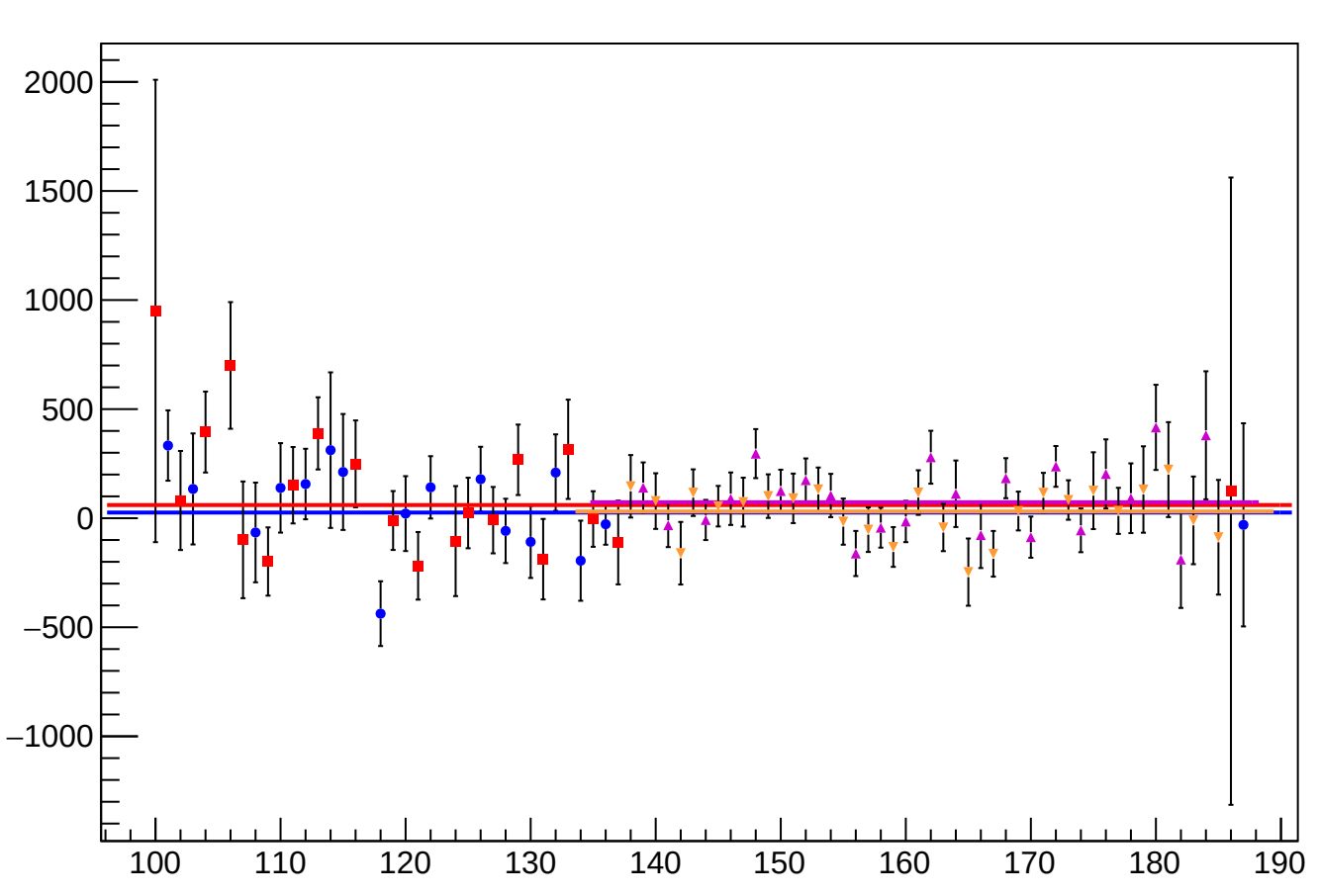
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1312.135+/-0.245 χ^2/NDF: 1565835.6/36

In: 739.746+/-0.109 χ^2/NDF:4670247.9/39

Out: 742.560+/-0.106 χ^2/NDF:5416218.9/44

All: 741.180+/-0.076 χ^2/NDF: 10086809.5/84



Right In: 25.809+/-41.059 χ^2/NDF: 21.4/16

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 60.172+/-41.511 χ^2/NDF: 27.0/19

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

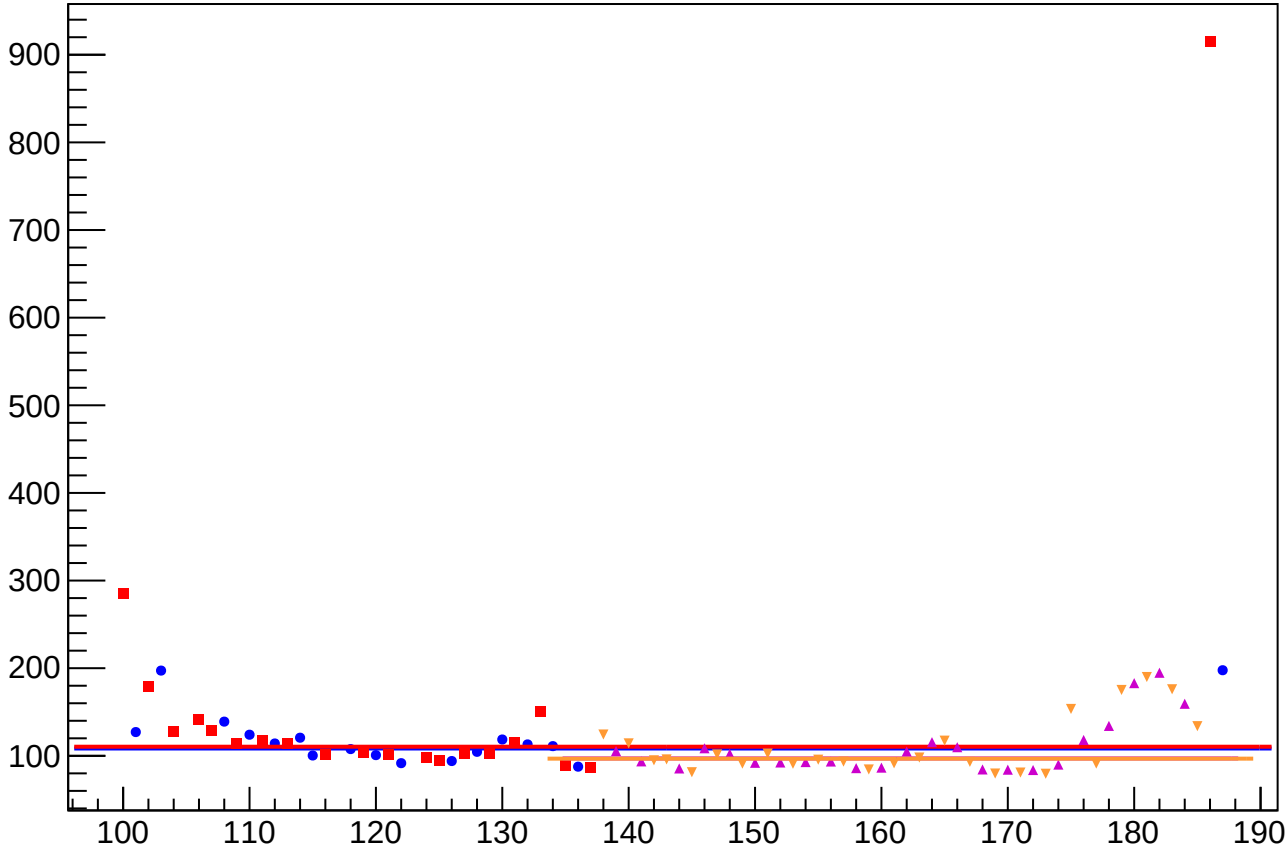
Right: 42.803+/-29.192 χ^2/NDF: 48.7/36

In: 61.459+/-20.402 χ^2/NDF:56.9/39

Out: 37.544+/-20.022 χ^2/NDF:47.3/44

All: 49.276+/-14.290 χ^2/NDF: 104.9/84

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 108.380+/-0.029 χ^2/NDF: 557307.2/16

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 110.411+/-0.029 χ^2/NDF: 1118586.5/19

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

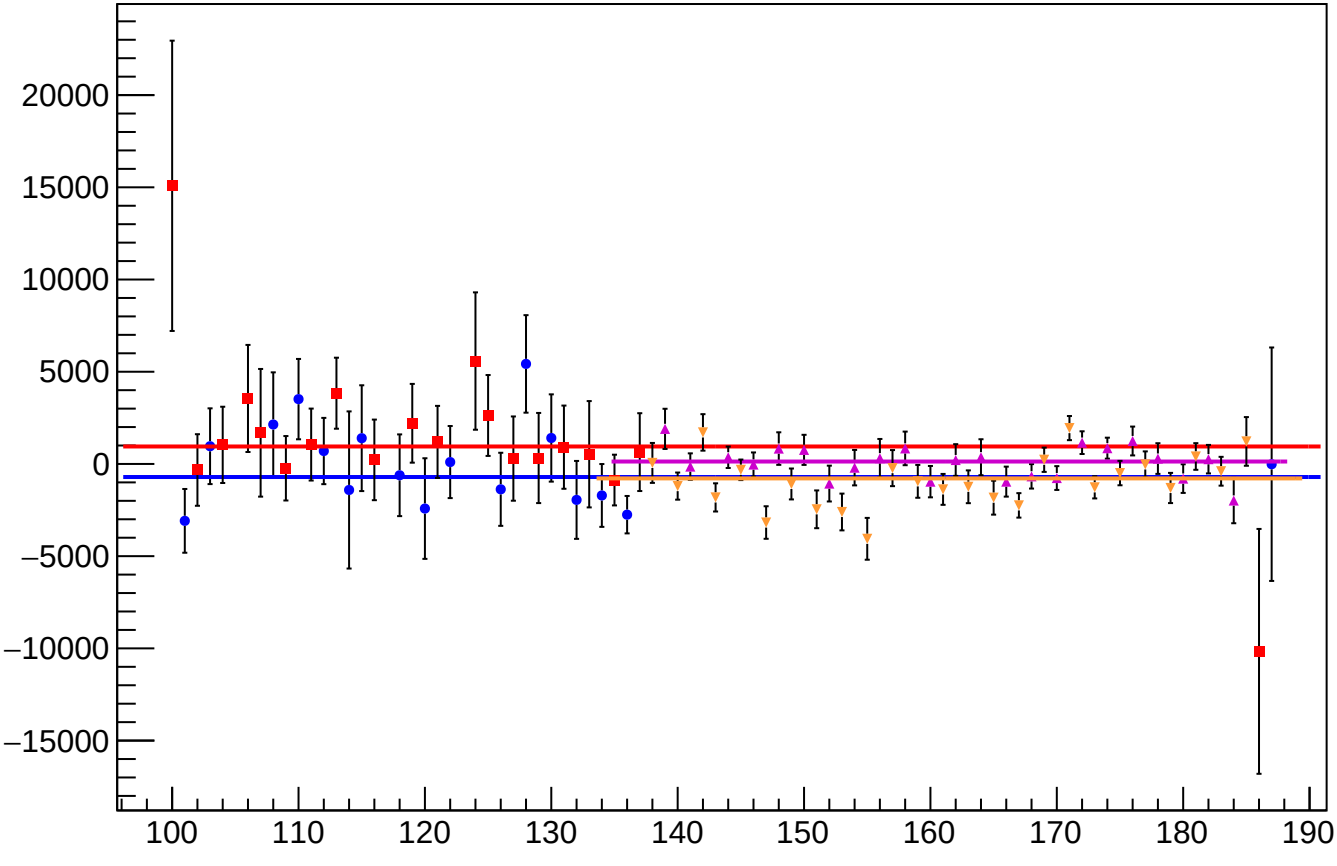
Right: 109.384+/-0.021 χ^2/NDF: 1678313.0/36

In: 99.822+/-0.014 χ^2/NDF:1993855.9/39

Out: 99.962+/-0.014 χ^2/NDF:3004130.4/44

All: 99.893+/-0.010 χ^2/NDF: 4998034.0/84

asym_sam_2468_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -708.669+/-491.762 χ^2/NDF: 20.1/16

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 947.189+/-499.950 χ^2/NDF: 14.6/19

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

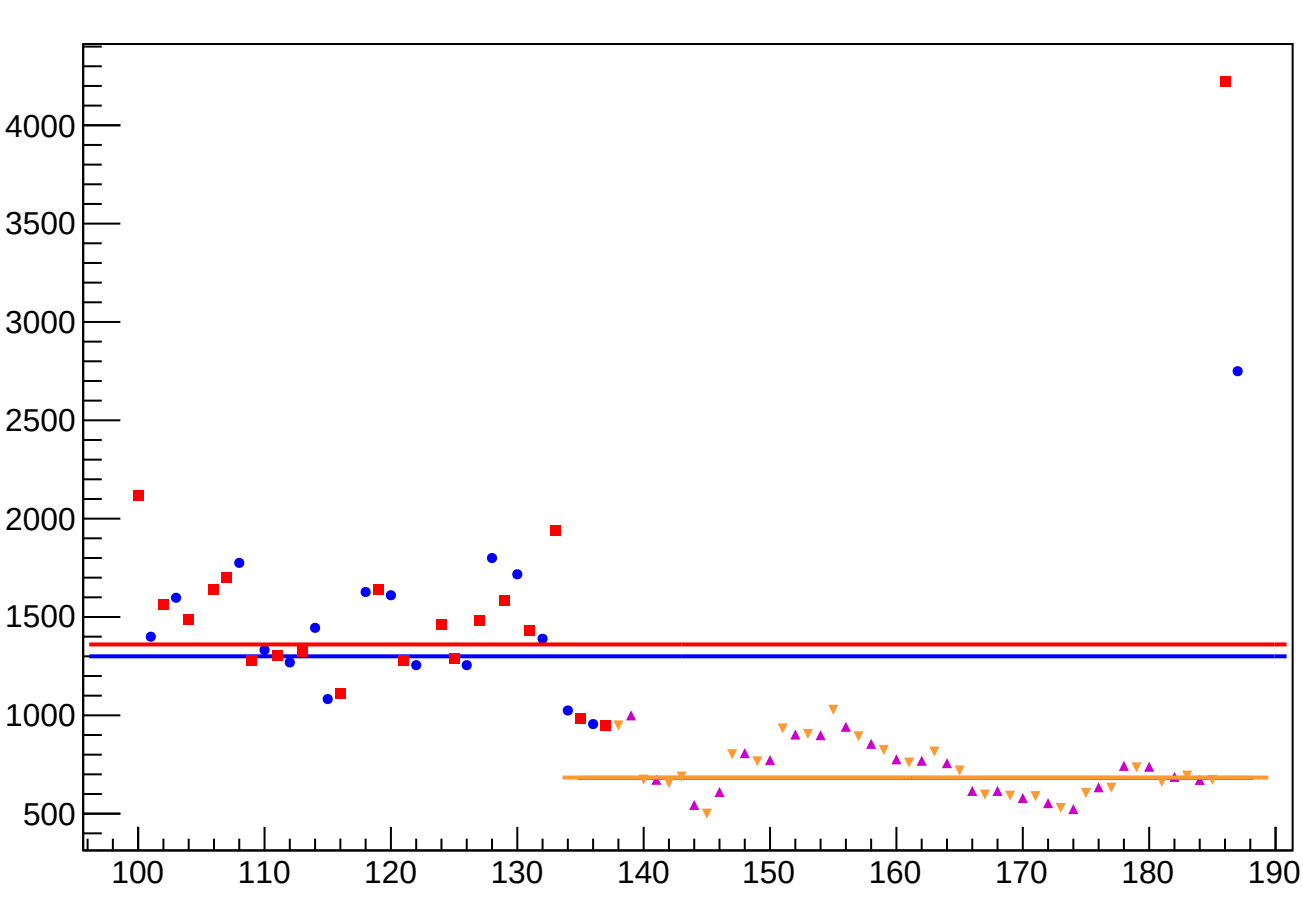
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 105.589+/-350.587 χ^2/NDF: 40.3/36

In: 48.765+/-154.217 χ^2/NDF:47.0/39

Out: -625.980+/-150.940 χ^2/NDF:91.8/44

All: -295.850+/-107.871 χ^2/NDF: 148.6/84



Right In: 1300.027+/-0.348 χ^2/NDF: 716448.8/16

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1360.441+/-0.354 χ^2/NDF: 864719.0/19

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

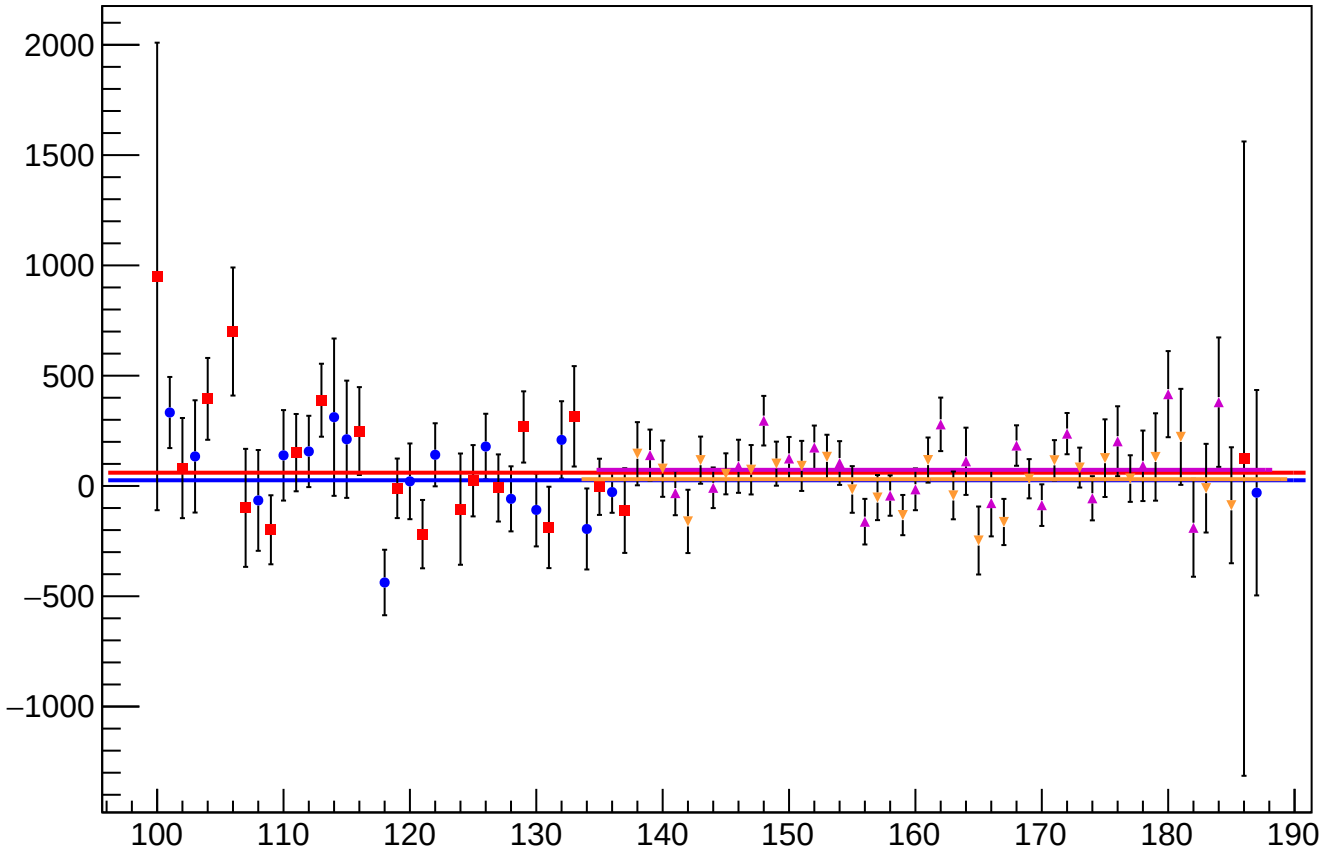
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1329.735+/-0.248 χ^2/NDF: 1596010.8/36

In: 742.745+/-0.109 χ^2/NDF:4751178.8/39

Out: 745.383+/-0.107 χ^2/NDF:5493240.1/44

All: 744.093+/-0.076 χ^2/NDF: 10244717.8/84



Right In: 25.810+/-41.059 χ^2/NDF: 21.4/16

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 60.171+/-41.511 χ^2/NDF: 27.0/19

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

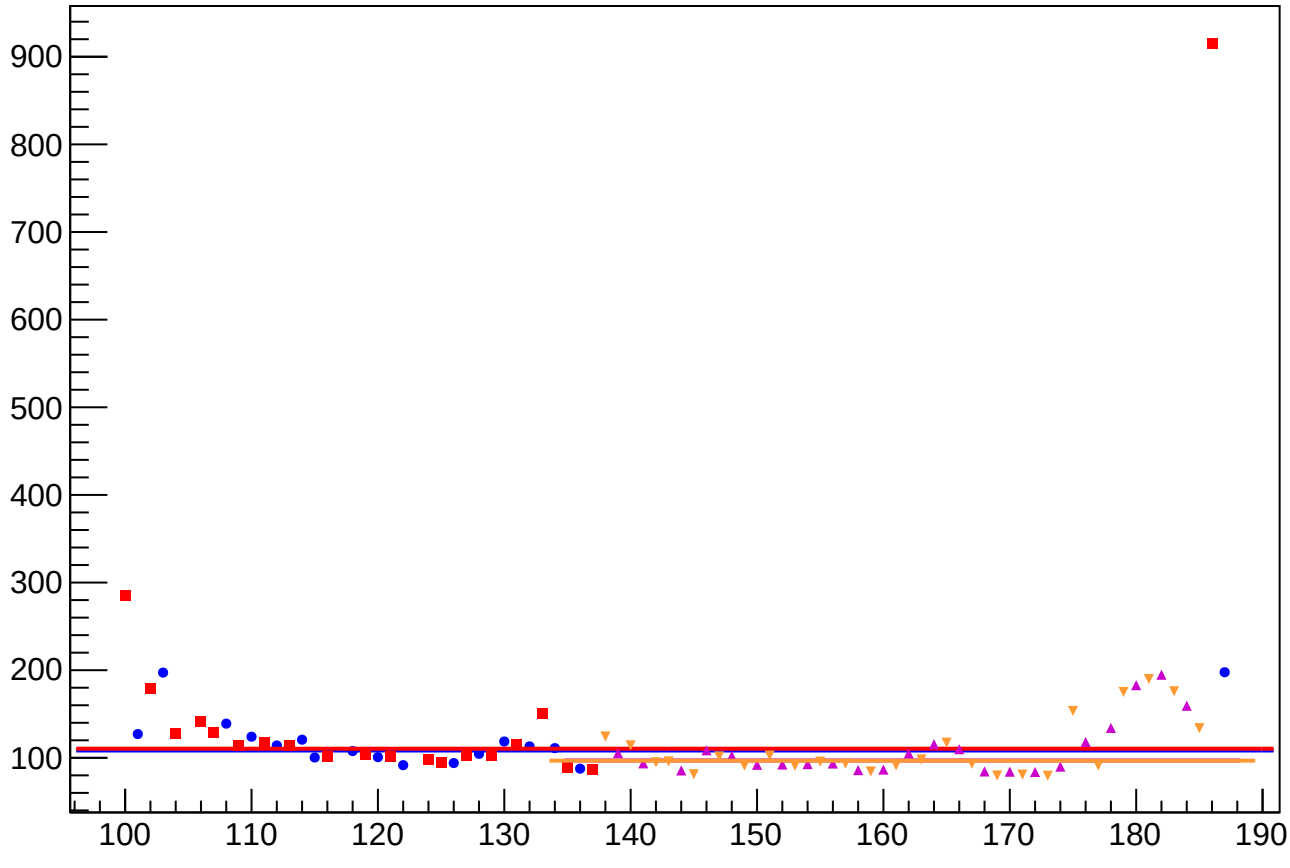
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 42.802+/-29.191 χ^2/NDF: 48.7/36

In: 61.458+/-20.402 χ^2/NDF:56.9/39

Out: 37.544+/-20.022 χ^2/NDF:47.3/44

All: 49.276+/-14.290 χ^2/NDF: 104.9/84



Right In: 108.379+/-0.029 χ^2/NDF: 557296.8/16

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 110.410+/-0.029 χ^2/NDF: 1118584.6/19

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

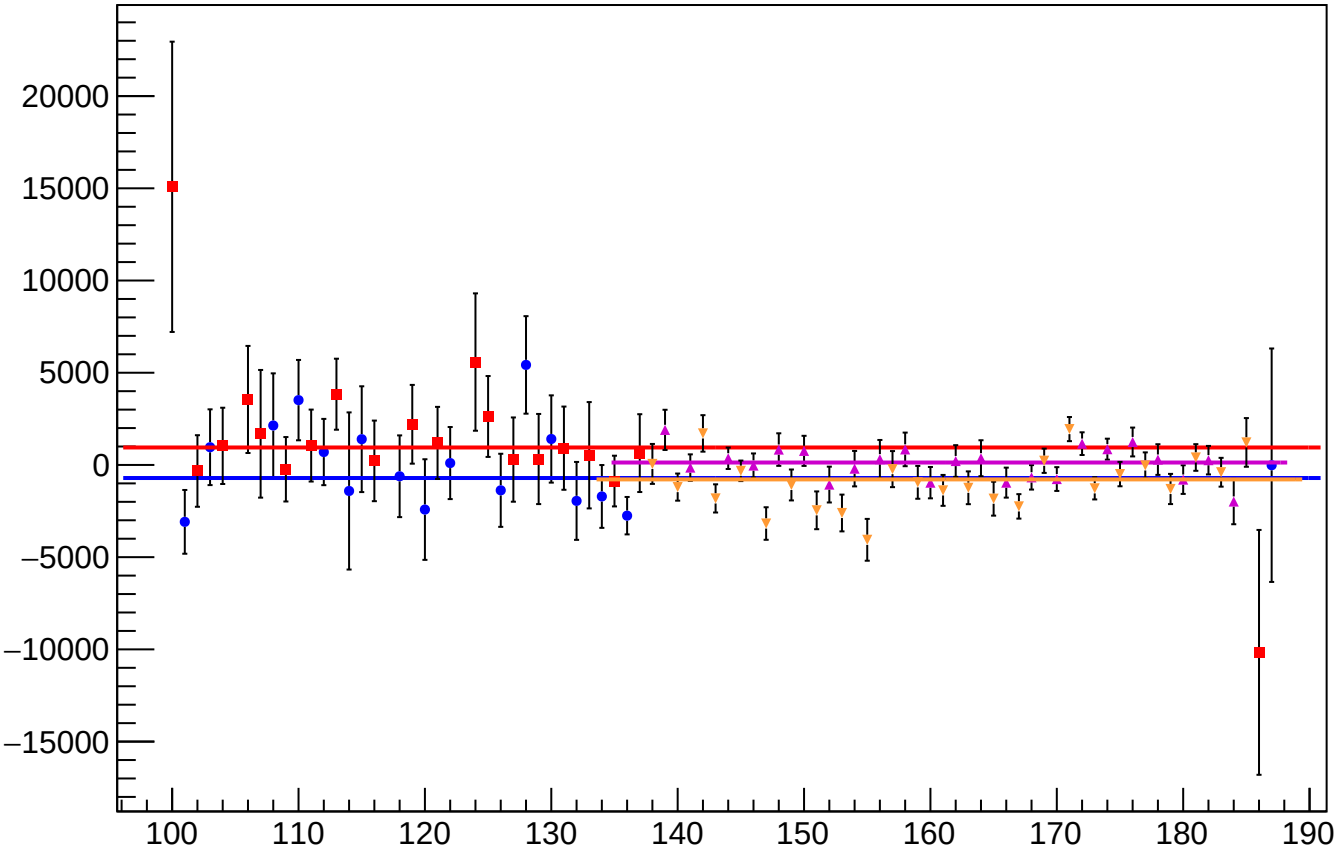
Right: 109.383+/-0.021 χ^2/NDF: 1678301.1/36

In: 99.822+/-0.014 χ^2/NDF:1993808.8/39

Out: 99.962+/-0.014 χ^2/NDF:3004107.2/44

All: 99.894+/-0.010 χ^2/NDF: 4997963.8/84

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -708.663+/-491.760 χ^2/NDF: 20.1/16

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 947.188+/-499.949 χ^2/NDF: 14.6/19

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

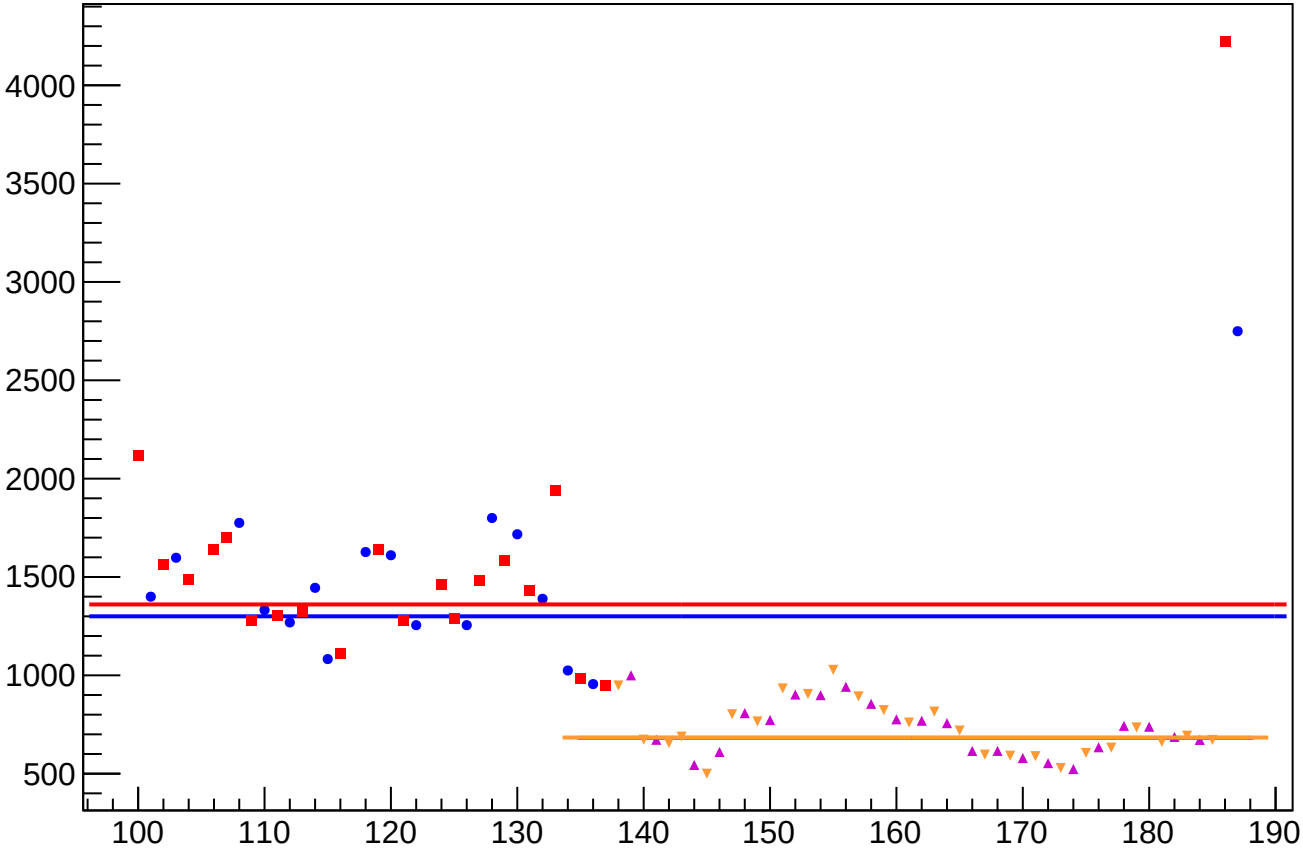
Right: 105.591+/-350.586 χ^2/NDF: 40.3/36

In: 48.765+/-154.216 χ^2/NDF:47.0/39

Out: -625.978+/-150.940 χ^2/NDF:91.8/44

All: -295.850+/-107.870 χ^2/NDF: 148.6/84

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1300.024+/-0.348 χ^2/NDF: 716446.4/16

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1360.437+/-0.354 χ^2/NDF: 864718.7/19

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

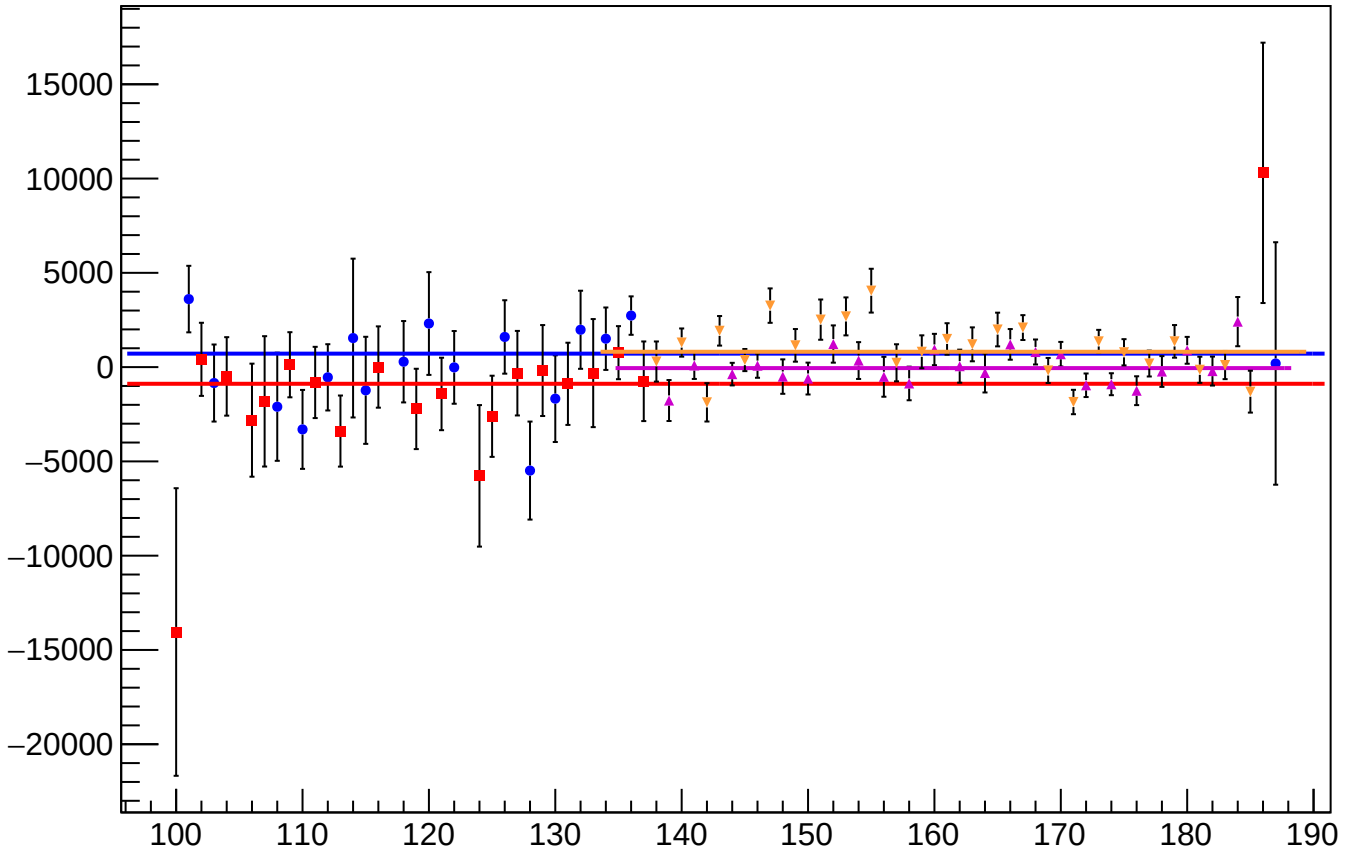
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1329.732+/-0.248 χ^2/NDF: 1596008.0/36

In: 742.744+/-0.109 χ^2/NDF:4751178.3/39

Out: 745.382+/-0.107 χ^2/NDF:5493245.0/44

All: 744.091+/-0.076 χ^2/NDF: 10244722.2/84



Right In: 714.610+/-486.837 χ^2/NDF: 21.0/16

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -884.092+/-496.761 χ^2/NDF: 13.2/19

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

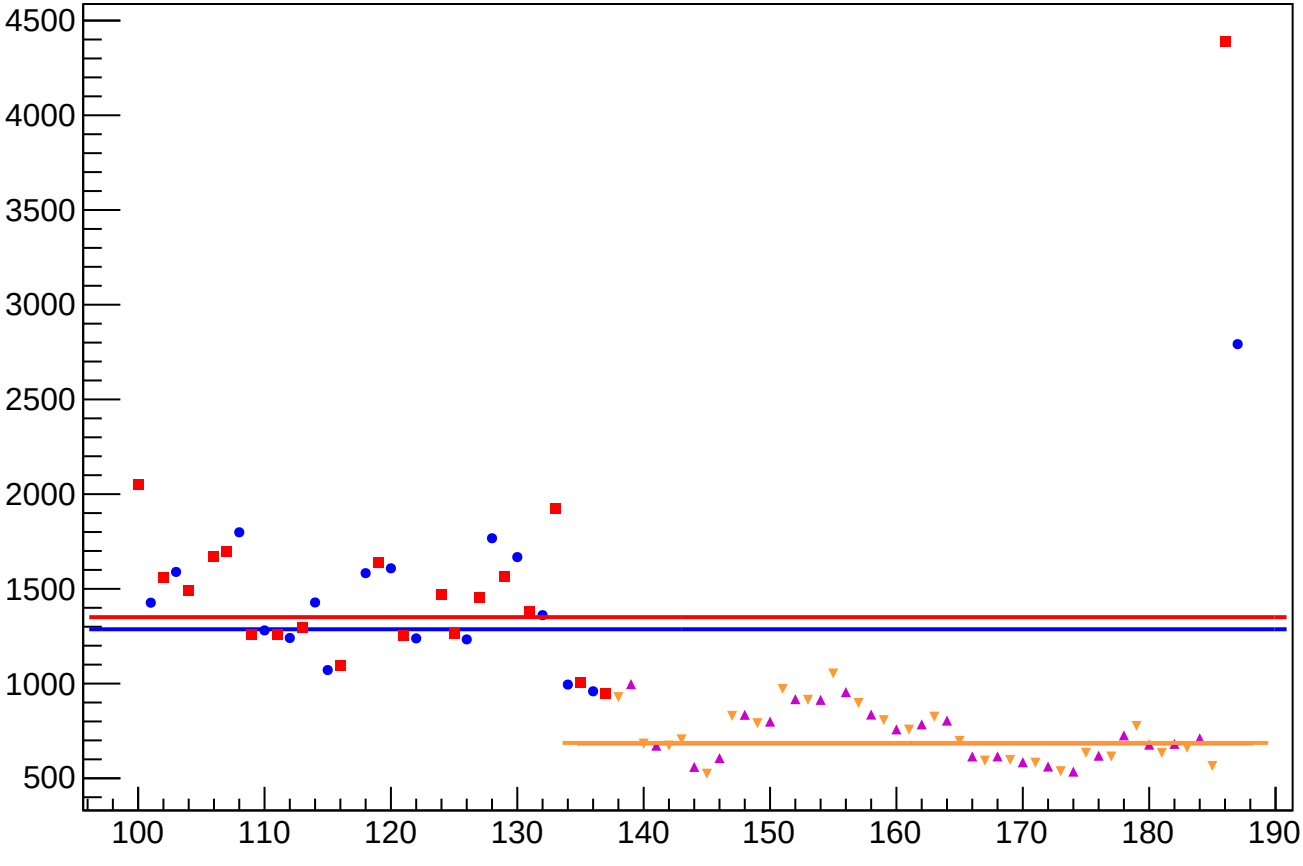
Right: -68.613+/-347.701 χ^2/NDF: 39.5/36

In: 25.045+/-154.597 χ^2/NDF:48.6/39

Out: 655.801+/-151.653 χ^2/NDF:89.6/44

All: 346.485+/-108.261 χ^2/NDF: 146.7/84

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1286.658+/-0.344 χ^2/NDF: 707905.4/16

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1350.587+/-0.351 χ^2/NDF: 861277.6/19

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

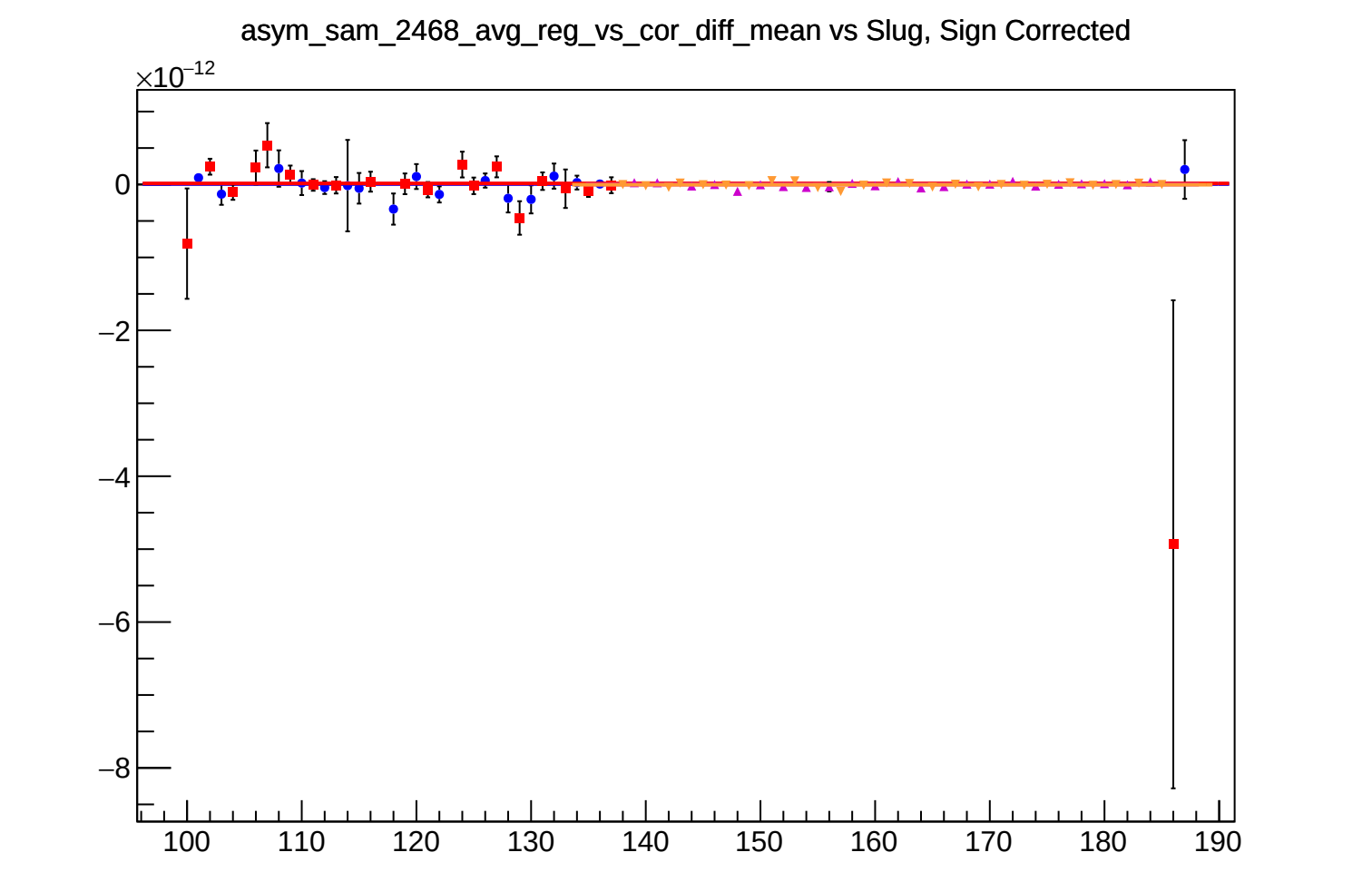
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1317.978+/-0.246 χ^2/NDF: 1586078.9/36

In: 745.459+/-0.109 χ^2/NDF:4621891.0/39

Out: 748.573+/-0.107 χ^2/NDF:5412699.0/44

All: 747.046+/-0.077 χ^2/NDF: 10035003.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 11.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/19

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

Left: -0.000+/-0.000 χ^2/NDF: 37.1/47

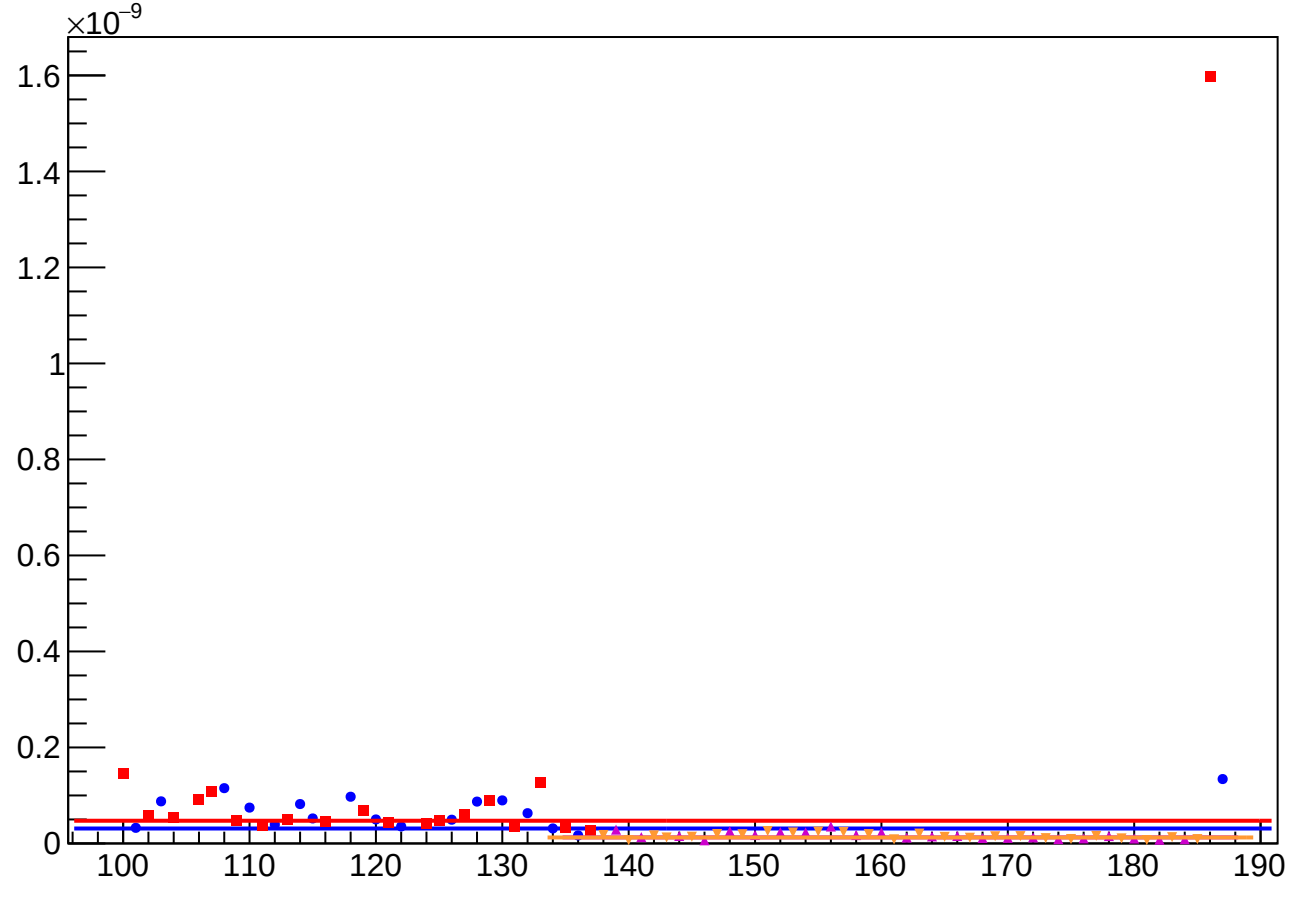
Right: 0.000+/-0.000 χ^2/NDF: 37.9/36

In: 0.000+/-0.000 χ^2/NDF:32.4/39

Out: -0.000+/-0.000 χ^2/NDF:42.9/44

All: -0.000+/-0.000 χ^2/NDF: 75.4/84

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2044390.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1151605.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

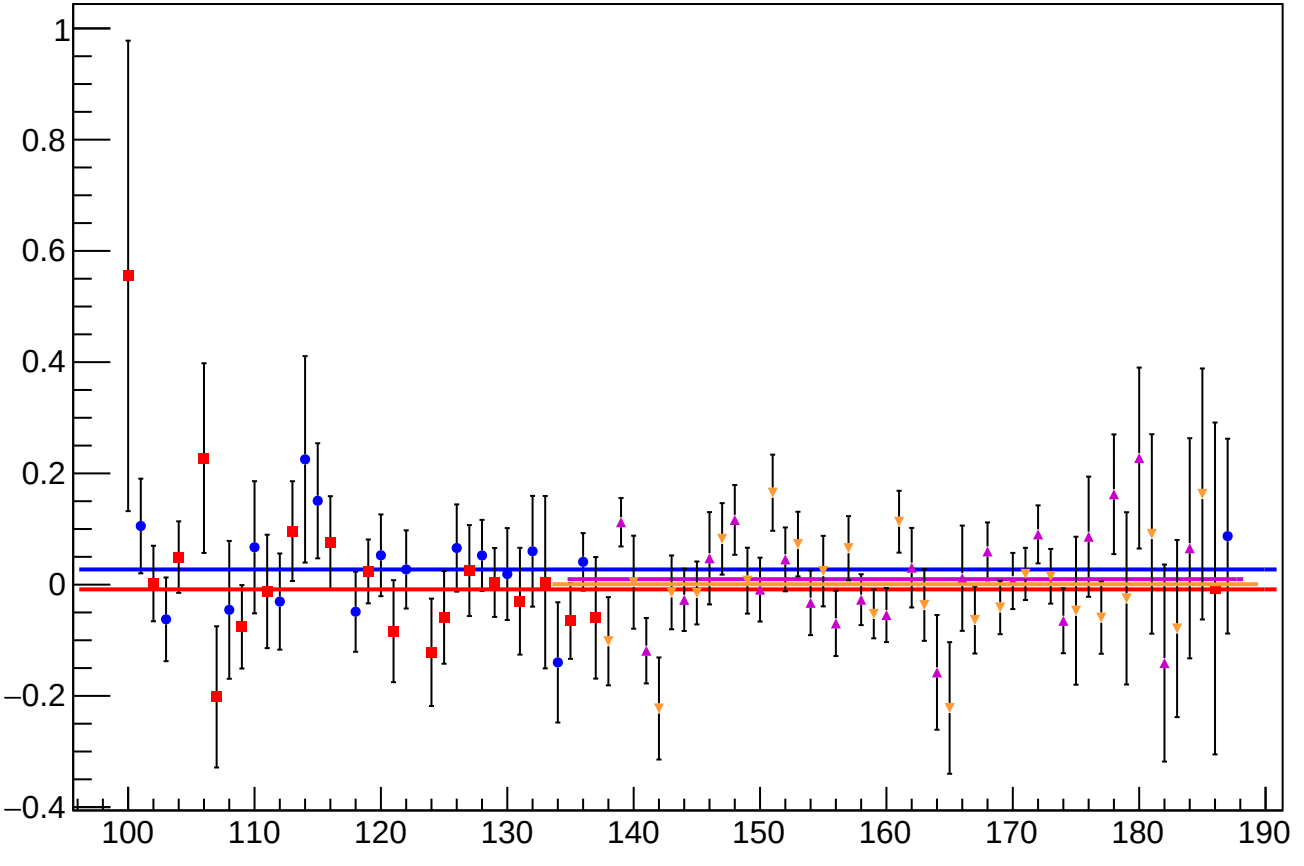
Right: 0.000+/-0.000 χ^2/NDF: 3603891.9/36

In: 0.000+/-0.000 χ^2/NDF:5395858.7/39

Out: 0.000+/-0.000 χ^2/NDF:5761552.6/44

All: 0.000+/-0.000 χ^2/NDF: 11158015.2/84

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/19

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

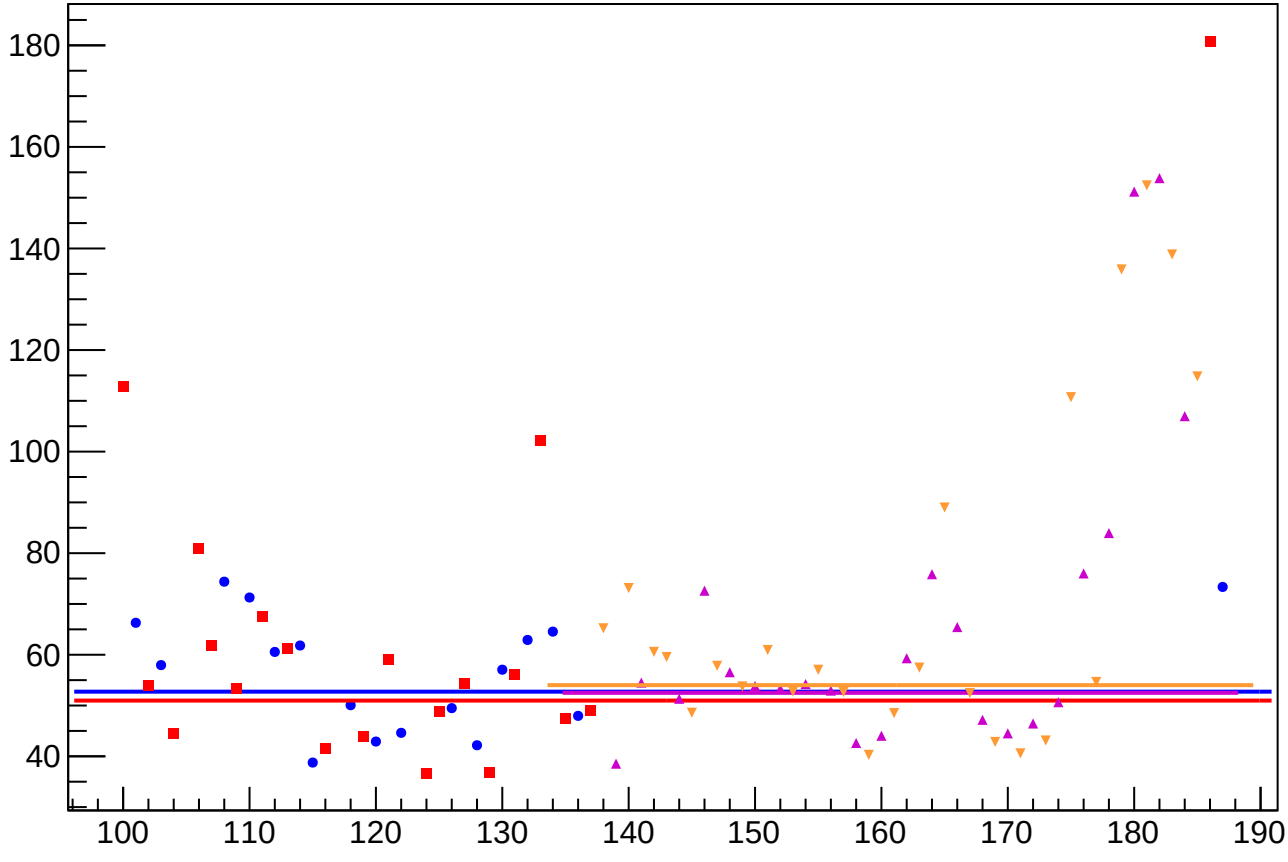
Right: 0.009+/-0.014 χ^2/NDF: 25.6/36

In: 0.015+/-0.011 χ^2/NDF:42.5/39

Out: -0.002+/-0.011 χ^2/NDF:45.8/44

All: 0.006+/-0.008 χ^2/NDF: 89.5/84

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.730+/-0.014 χ^2/NDF: 446116.2/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 50.976+/-0.014 χ^2/NDF: 1056580.3/19

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

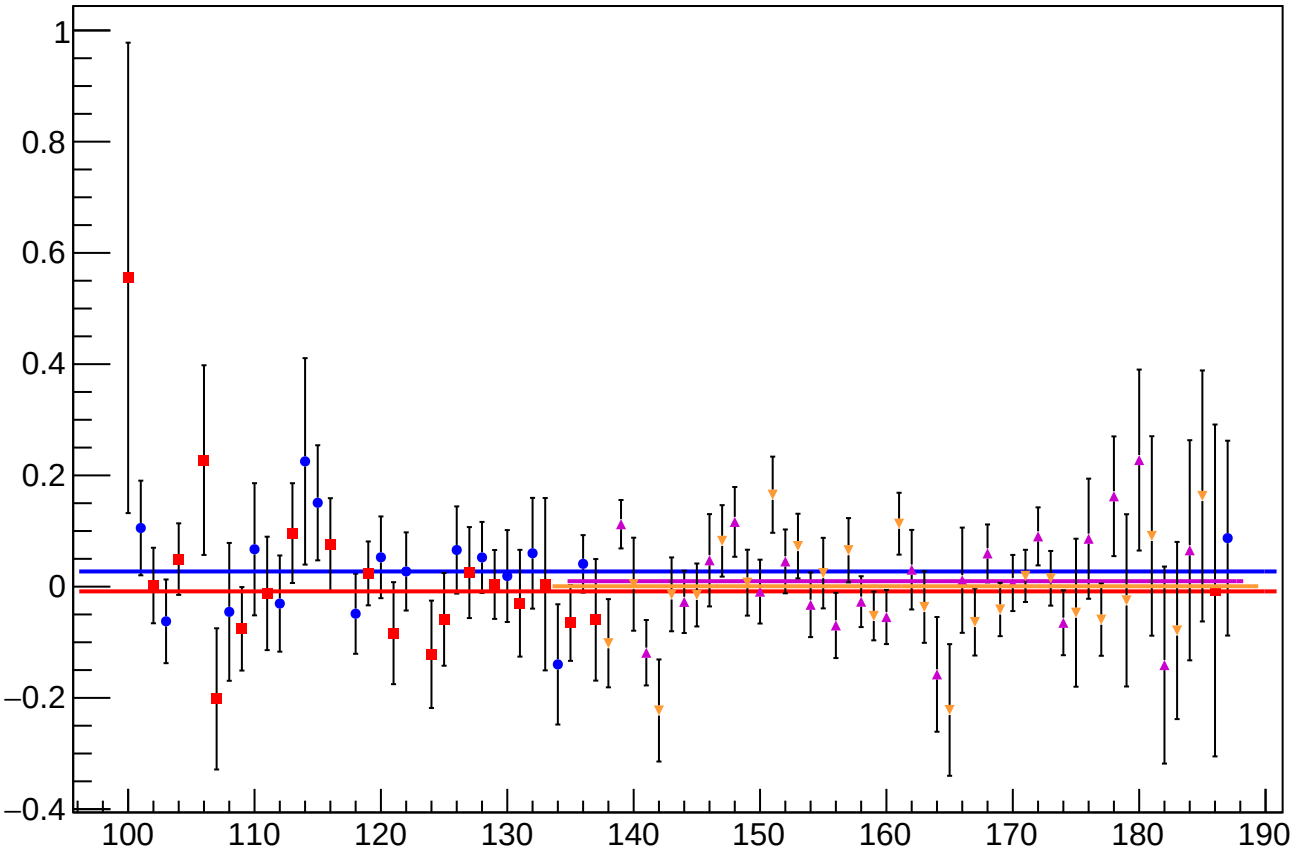
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 51.817+/-0.010 χ^2/NDF: 1510506.9/36

In: 52.570+/-0.008 χ^2/NDF:3004058.2/39

Out: 53.051+/-0.008 χ^2/NDF:4317513.1/44

All: 52.814+/-0.006 χ^2/NDF: 7323482.2/84



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/19

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

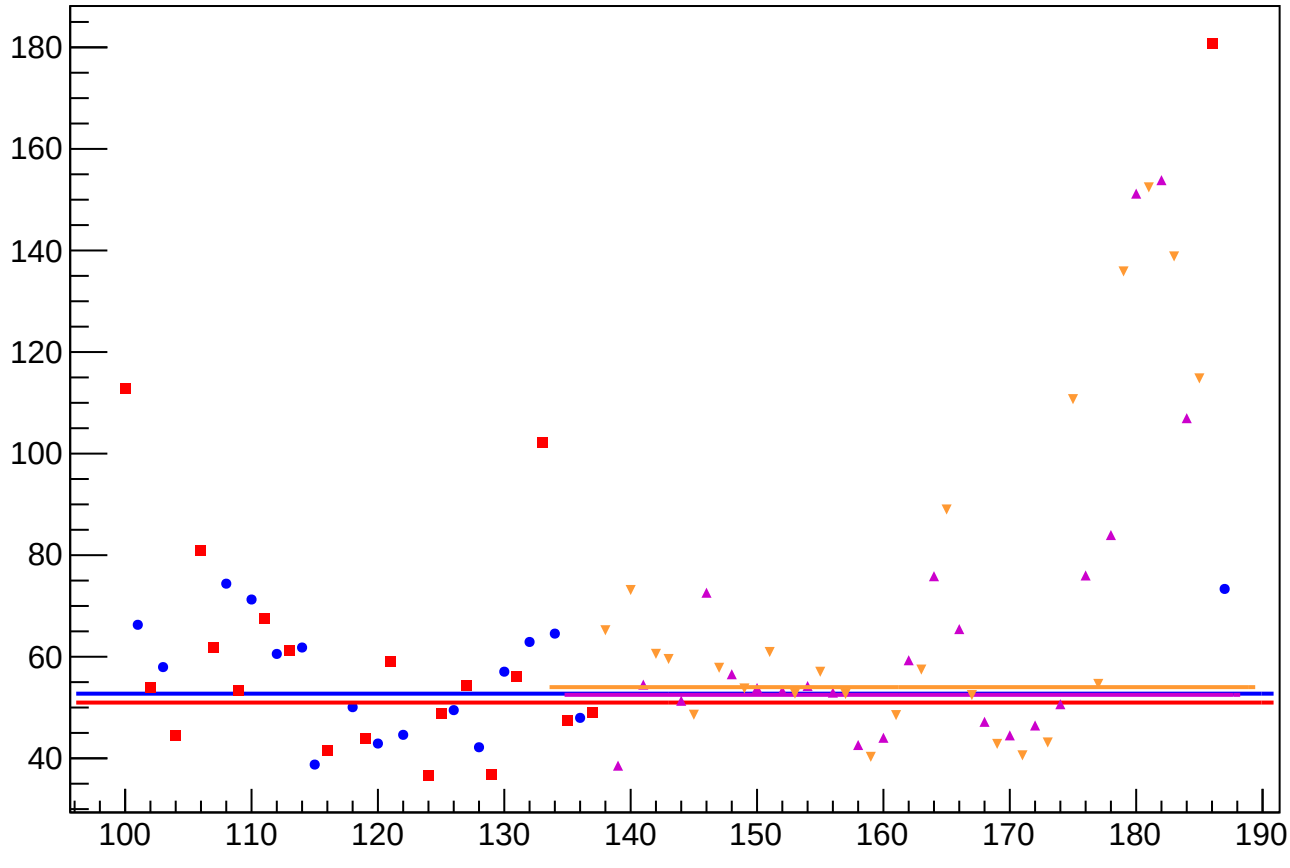
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.009+/-0.014 χ^2/NDF: 25.6/36

In: 0.015+/-0.011 χ^2/NDF:42.5/39

Out: -0.002+/-0.011 χ^2/NDF:45.8/44

All: 0.006+/-0.008 χ^2/NDF: 89.5/84



Right In: 52.730+/-0.014 χ^2/NDF: 446116.2/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 50.976+/-0.014 χ^2/NDF: 1056580.3/19

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

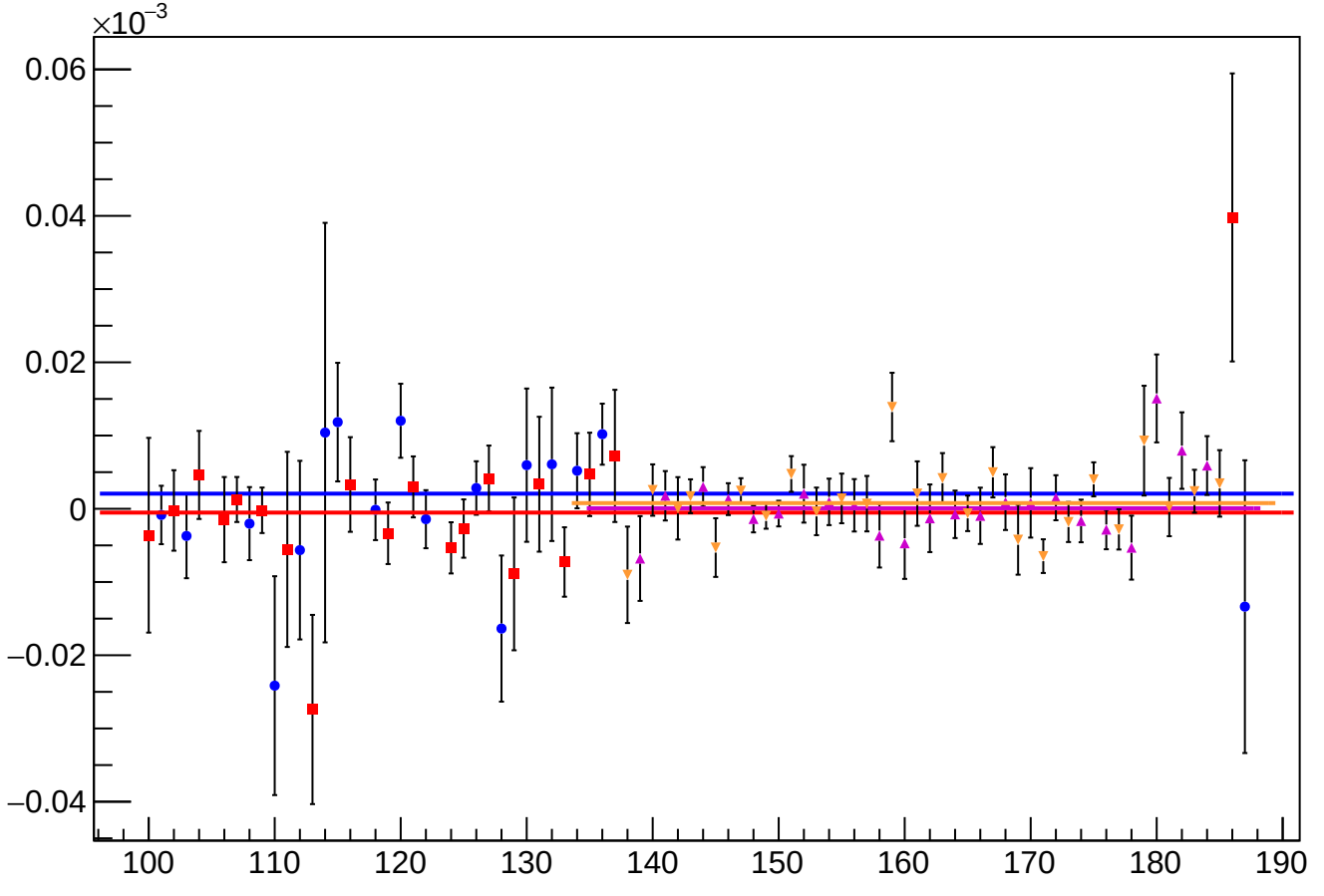
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 51.817+/-0.010 χ^2/NDF: 1510506.9/36

In: 52.570+/-0.008 χ^2/NDF:3004058.2/39

Out: 53.051+/-0.008 χ^2/NDF:4317513.1/44

All: 52.814+/-0.006 χ^2/NDF: 7323482.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/19

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

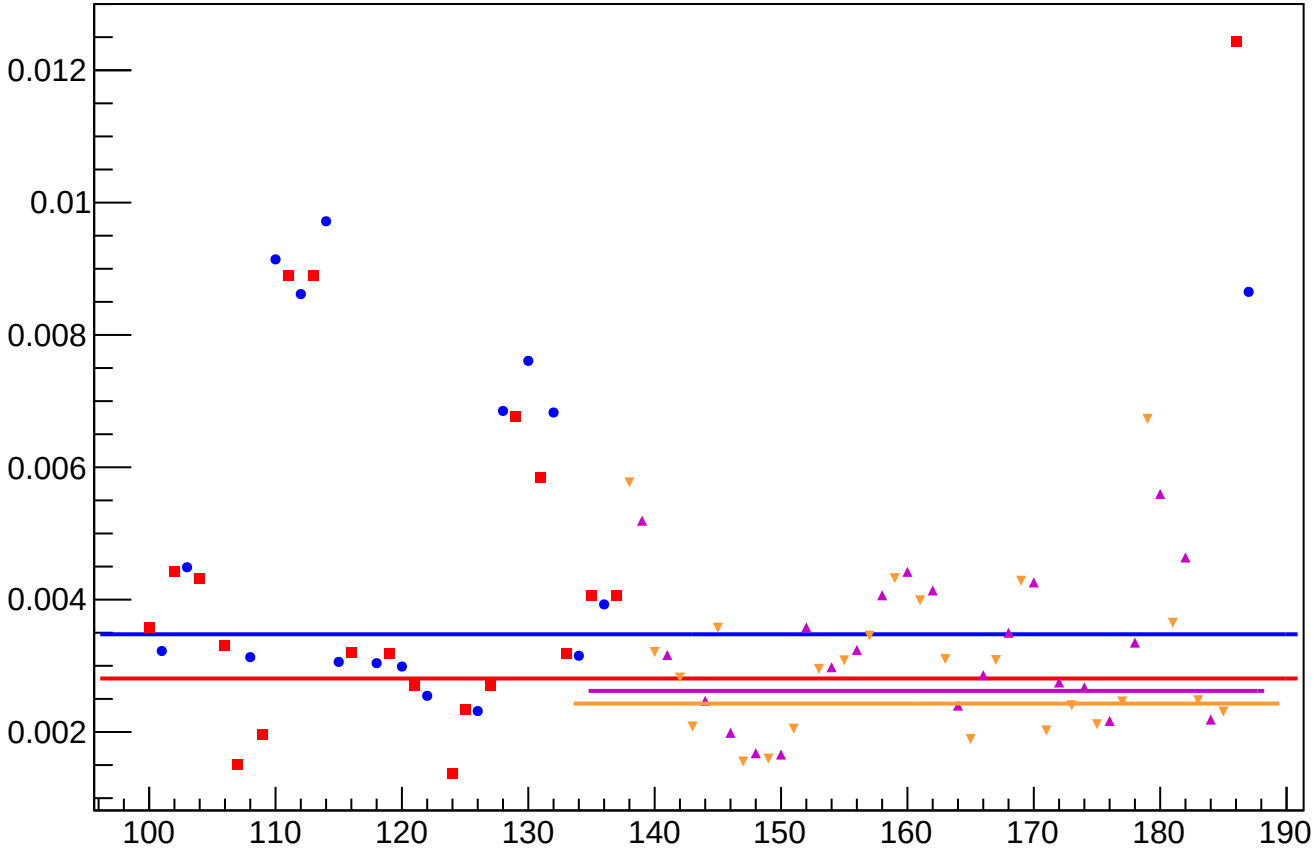
Right: 0.000+/-0.000 χ^2/NDF: 41.8/36

In: 0.000+/-0.000 χ^2/NDF:42.6/39

Out: 0.000+/-0.000 χ^2/NDF:58.1/44

All: 0.000+/-0.000 χ^2/NDF: 100.7/84

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2085777.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3215576.4/19

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

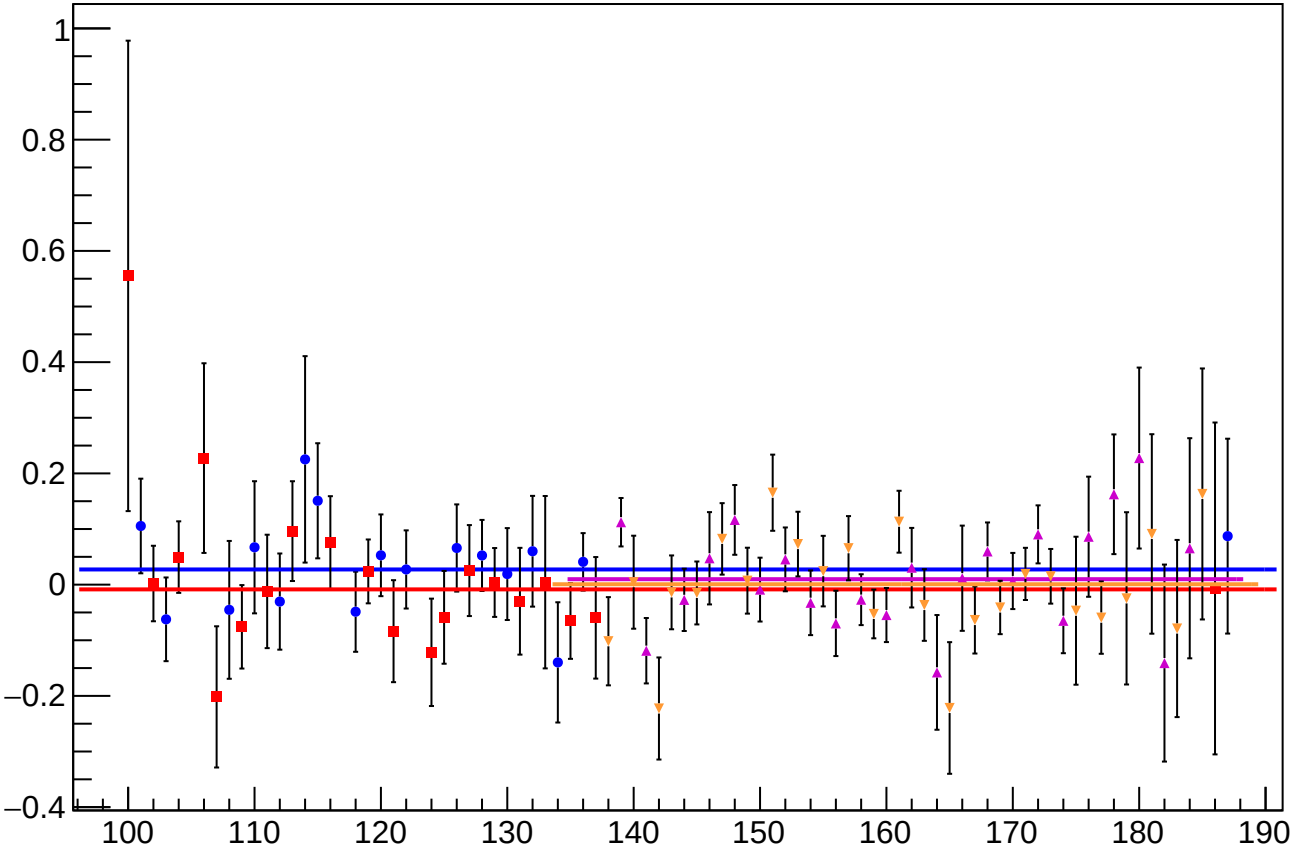
Right: 0.003+/-0.000 χ^2/NDF: 5577975.3/36

In: 0.003+/-0.000 χ^2/NDF:6664333.2/39

Out: 0.003+/-0.000 χ^2/NDF:7606573.7/44

All: 0.003+/-0.000 χ^2/NDF: 14503761.1/84

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/19

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

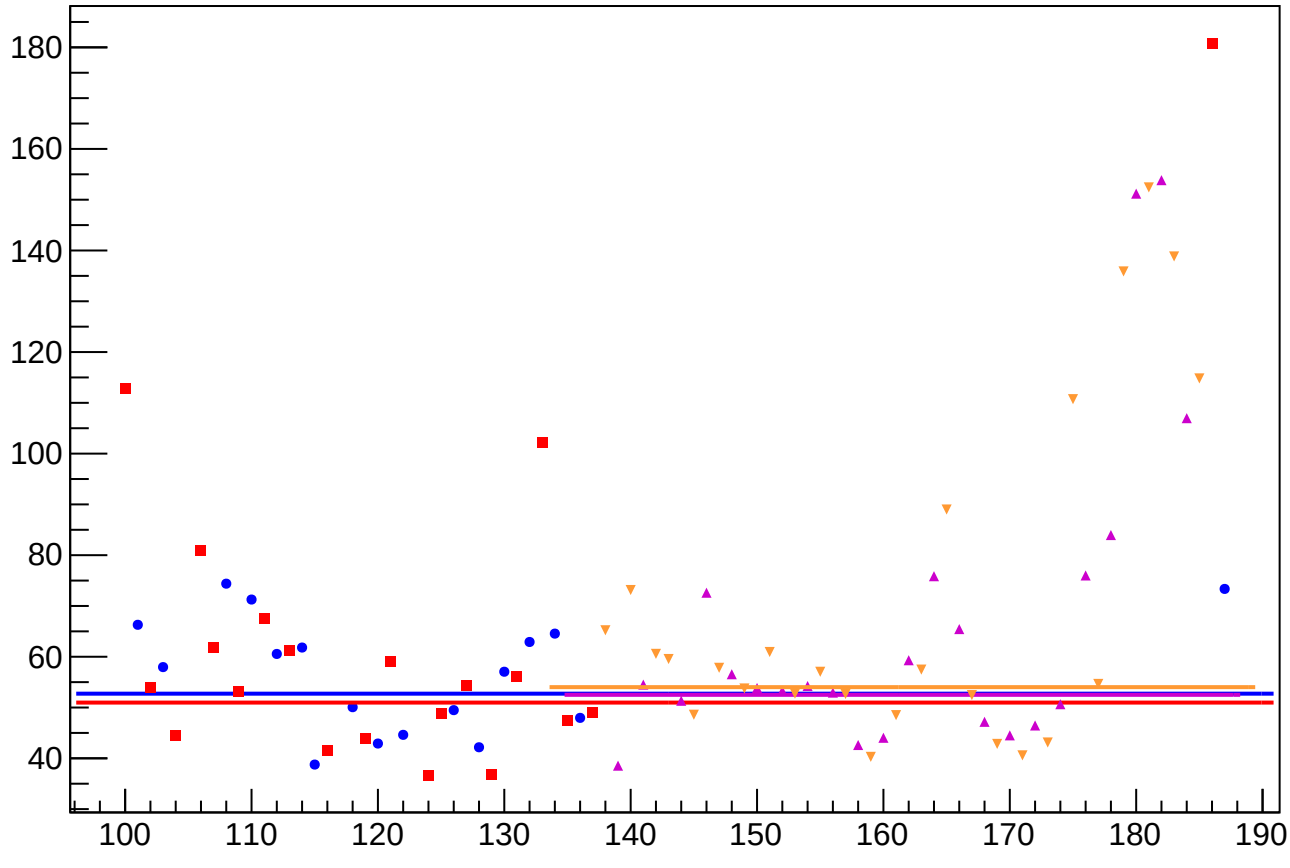
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.009+/-0.014 χ^2/NDF: 25.6/36

In: 0.015+/-0.011 χ^2/NDF:42.5/39

Out: -0.002+/-0.011 χ^2/NDF:45.8/44

All: 0.006+/-0.008 χ^2/NDF: 89.5/84



Right In: 52.729+/-0.014 χ^2/NDF: 446081.0/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 50.975+/-0.014 χ^2/NDF: 1056596.5/19

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

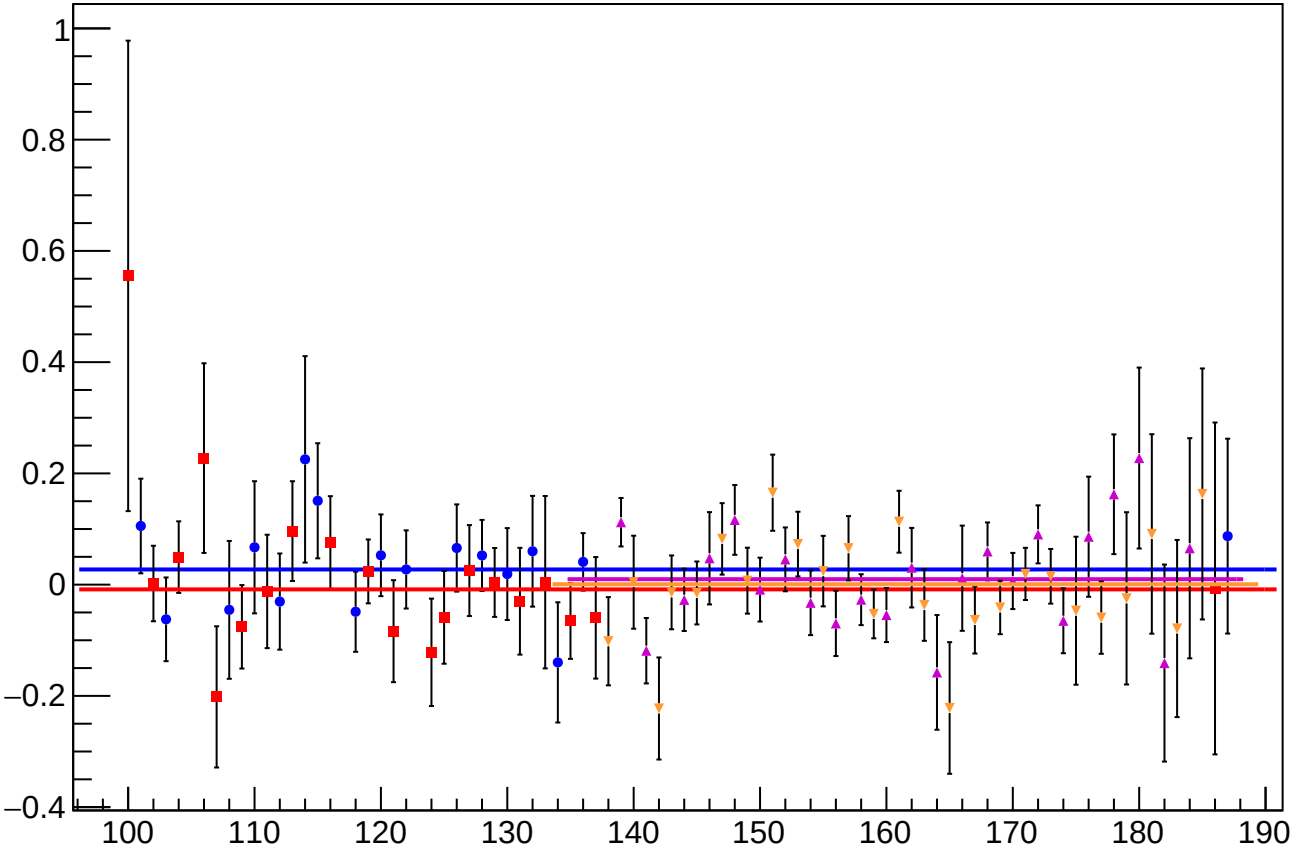
Right: 51.816+/-0.010 χ^2/NDF: 1510488.4/36

In: 52.570+/-0.008 χ^2/NDF:3004062.9/39

Out: 53.051+/-0.008 χ^2/NDF:4317581.3/44

All: 52.814+/-0.006 χ^2/NDF: 7323554.9/84

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/19

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

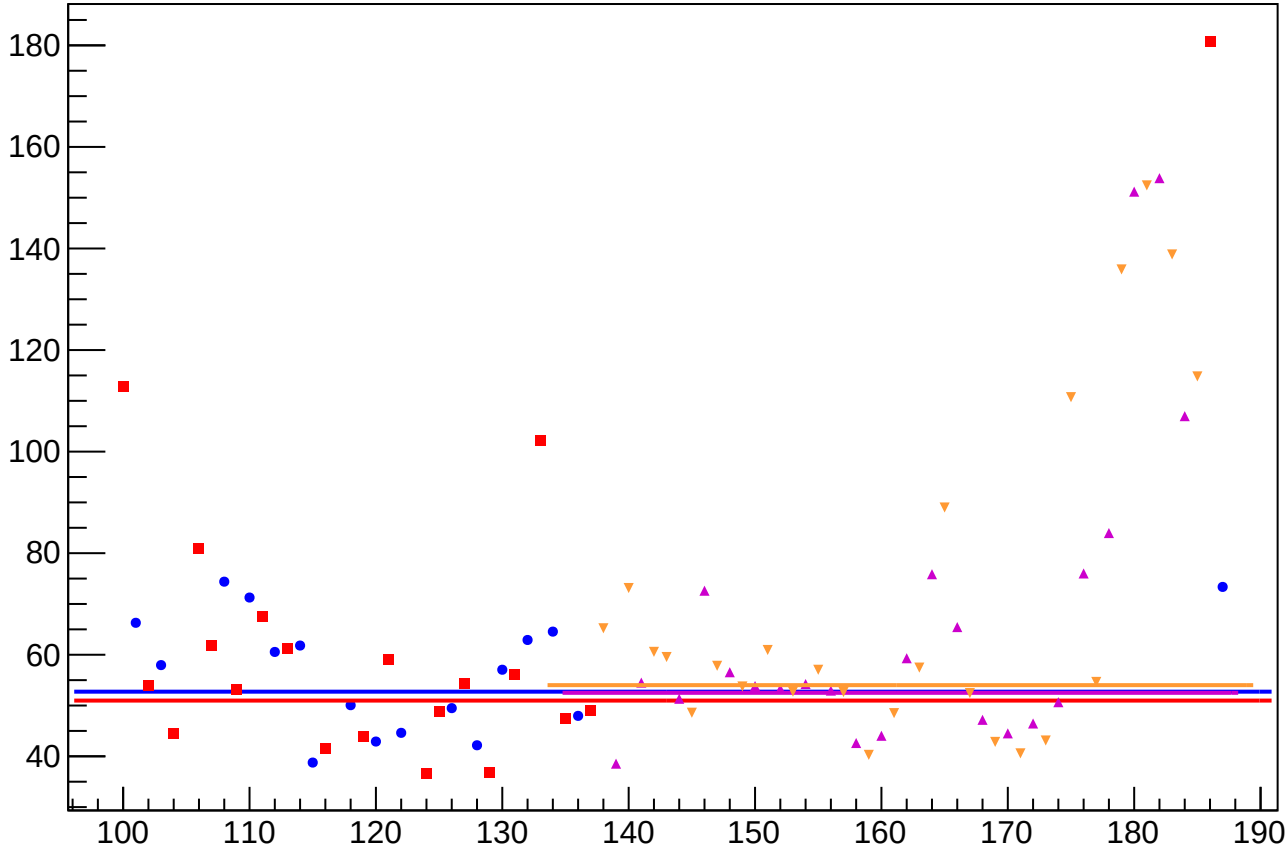
Right: 0.009+/-0.014 χ^2/NDF: 25.6/36

In: 0.015+/-0.011 χ^2/NDF:42.5/39

Out: -0.002+/-0.011 χ^2/NDF:45.8/44

All: 0.006+/-0.008 χ^2/NDF: 89.5/84

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.729+/-0.014 χ^2/NDF: 446081.0/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 50.975+/-0.014 χ^2/NDF: 1056596.5/19

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

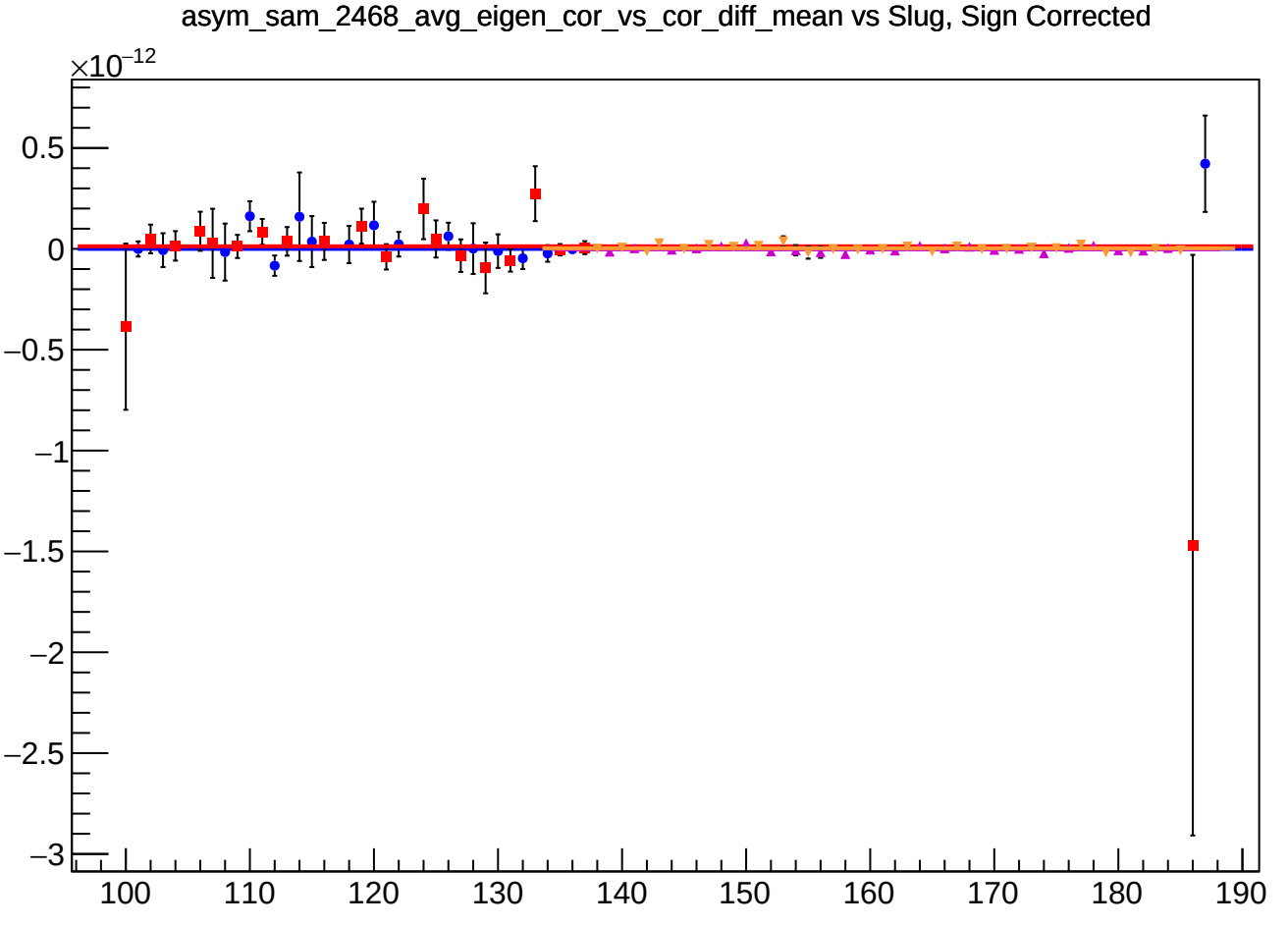
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 51.816+/-0.010 χ^2/NDF: 1510488.4/36

In: 52.570+/-0.008 χ^2/NDF:3004062.9/39

Out: 53.051+/-0.008 χ^2/NDF:4317581.3/44

All: 52.814+/-0.006 χ^2/NDF: 7323554.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

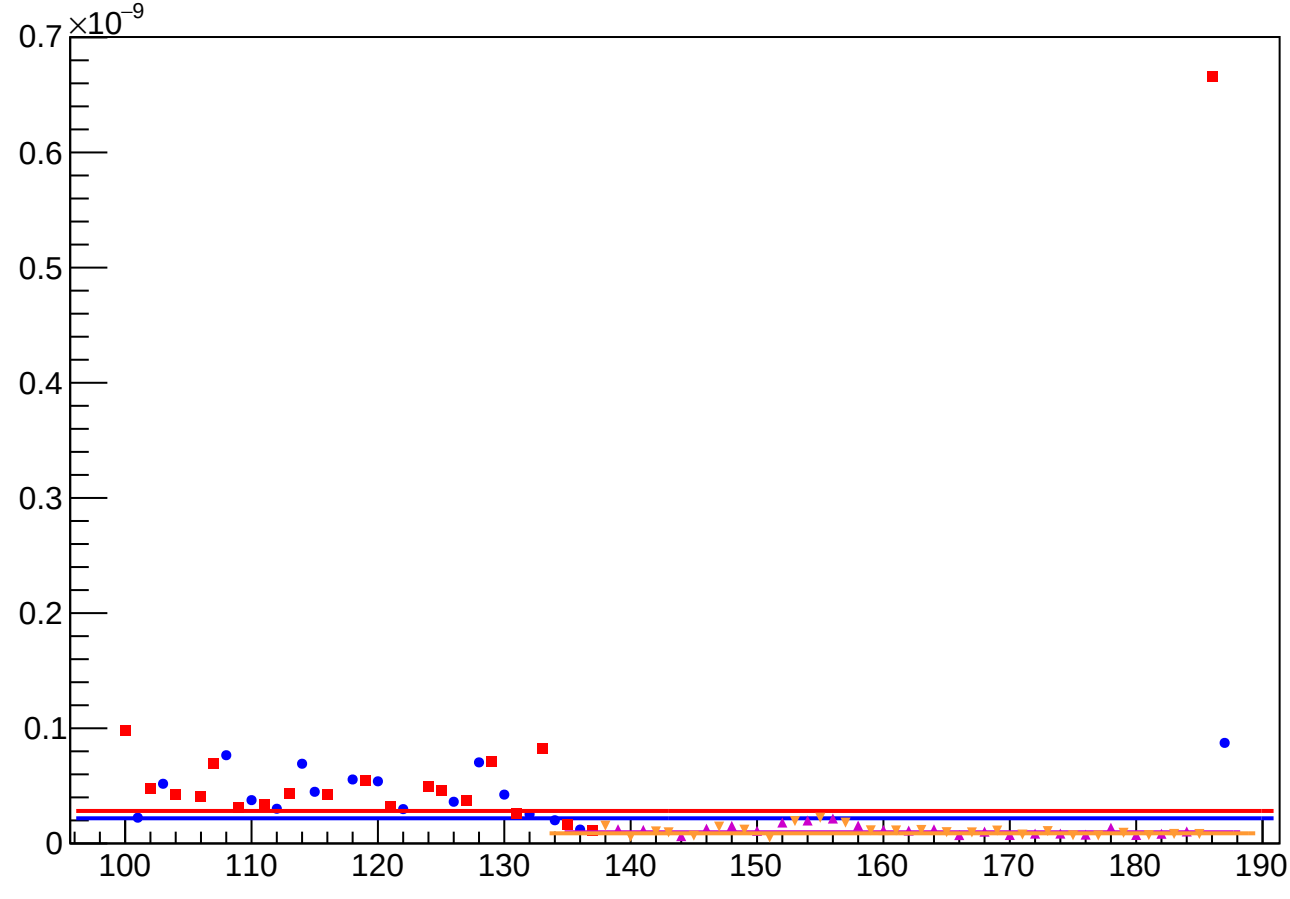
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

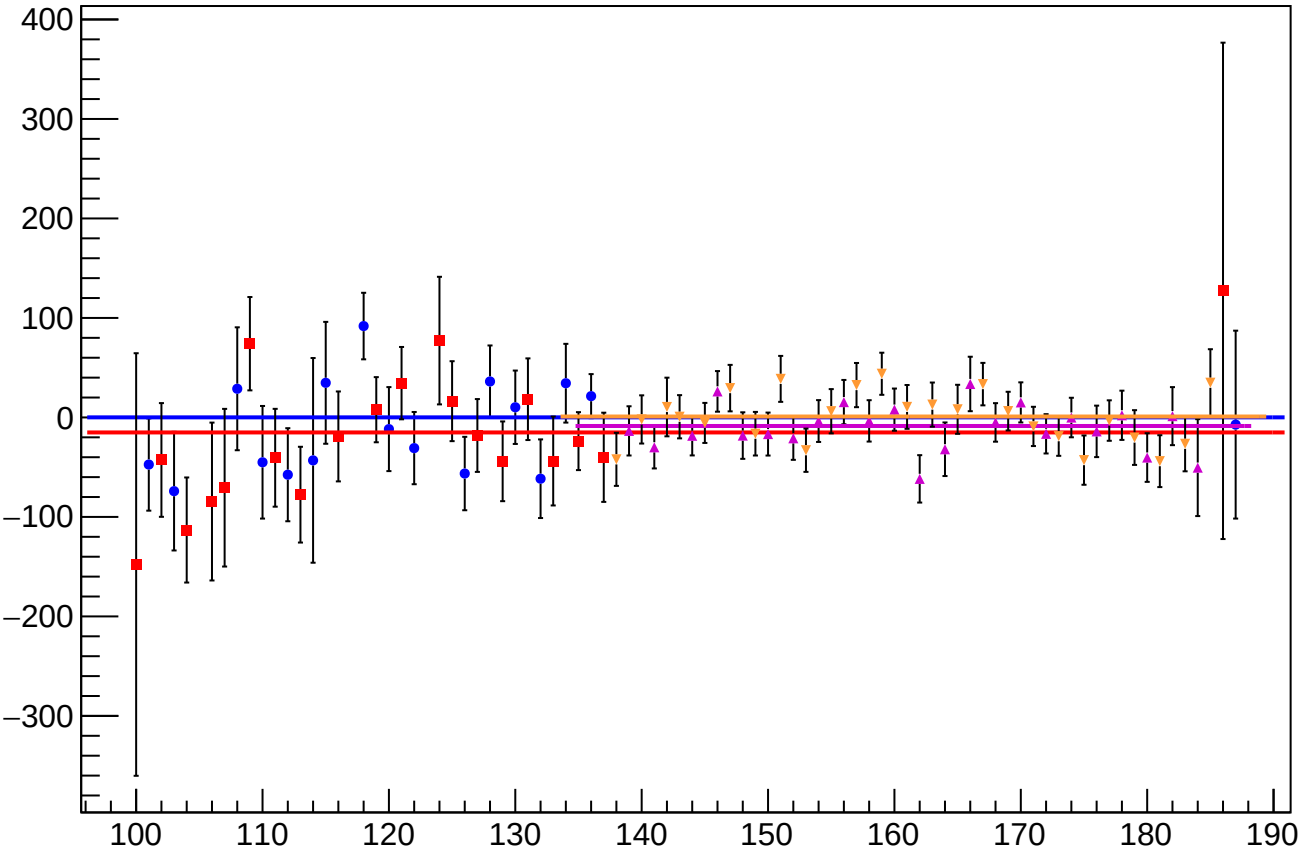
Right: 0.000+/-0.000 χ^2/NDF: 29.6/36

In: -0.000+/-0.000 χ^2/NDF:29.7/39

Out: 0.000+/-0.000 χ^2/NDF:37.0/44

All: 0.000+/-0.000 χ^2/NDF: 68.3/84


asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2673350.8/16
Left Out: 0.000+/-0.000 χ²/NDF:2517075.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2774636.5/19
Left In: 0.000+/-0.000 χ²/NDF:2320113.6/22
Left: 0.000+/-0.000 χ²/NDF: 4948206.8/47
Right: 0.000+/-0.000 χ²/NDF: 5677876.5/36
In: 0.000+/-0.000 χ²/NDF:6930386.5/39
Out: 0.000+/-0.000 χ²/NDF:8760356.4/44
All: 0.000+/-0.000 χ²/NDF: 15816823.7/84



Right In: 0.072+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -15.091+/-10.258 χ^2/NDF: 18.3/19

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

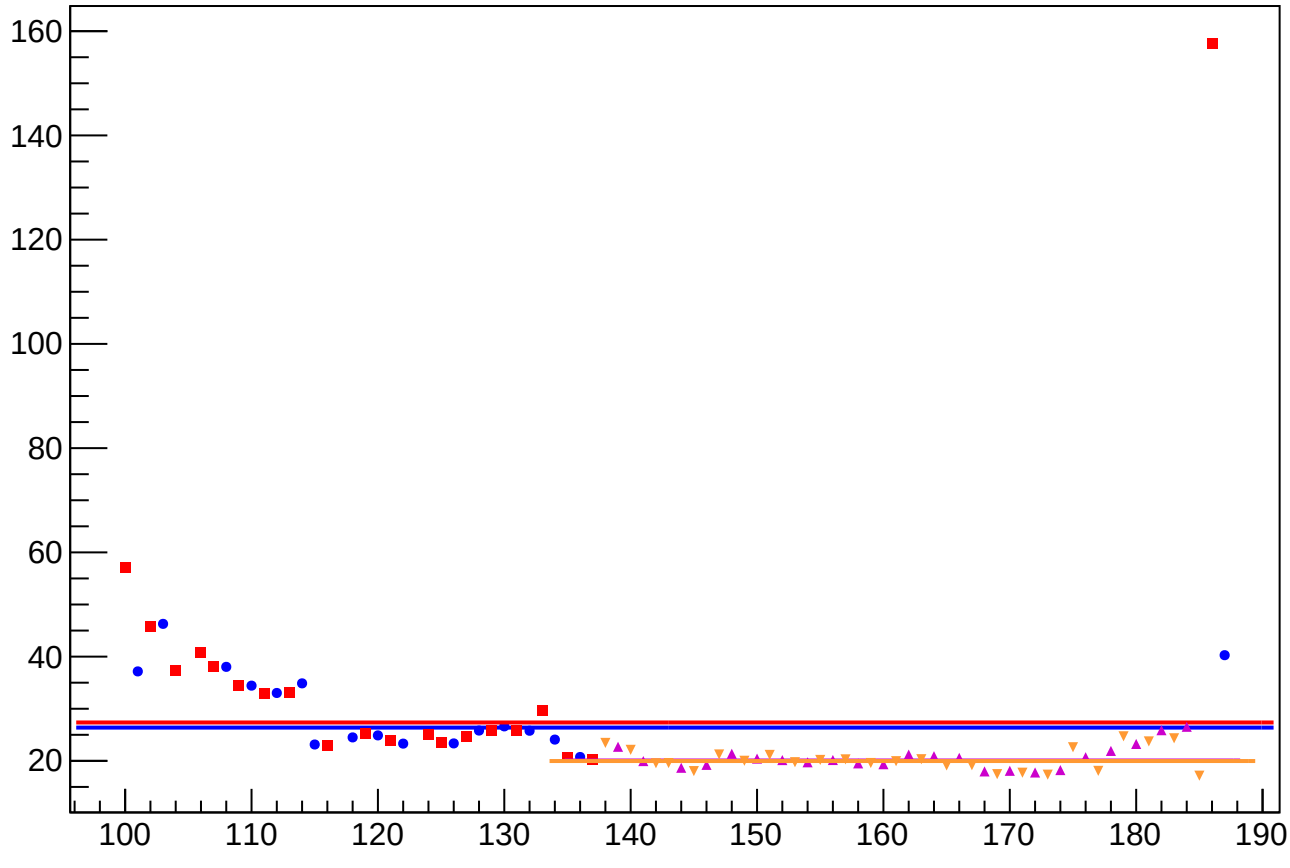
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -7.310+/-7.157 χ^2/NDF: 40.7/36

In: -7.016+/-4.270 χ^2/NDF:41.3/39

Out: -1.738+/-4.178 χ^2/NDF:49.5/44

All: -4.319+/-2.986 χ^2/NDF: 91.6/84



Right In: 26.384+/-0.007 χ^2/NDF: 719804.2/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 27.366+/-0.007 χ^2/NDF: 1301591.4/19

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

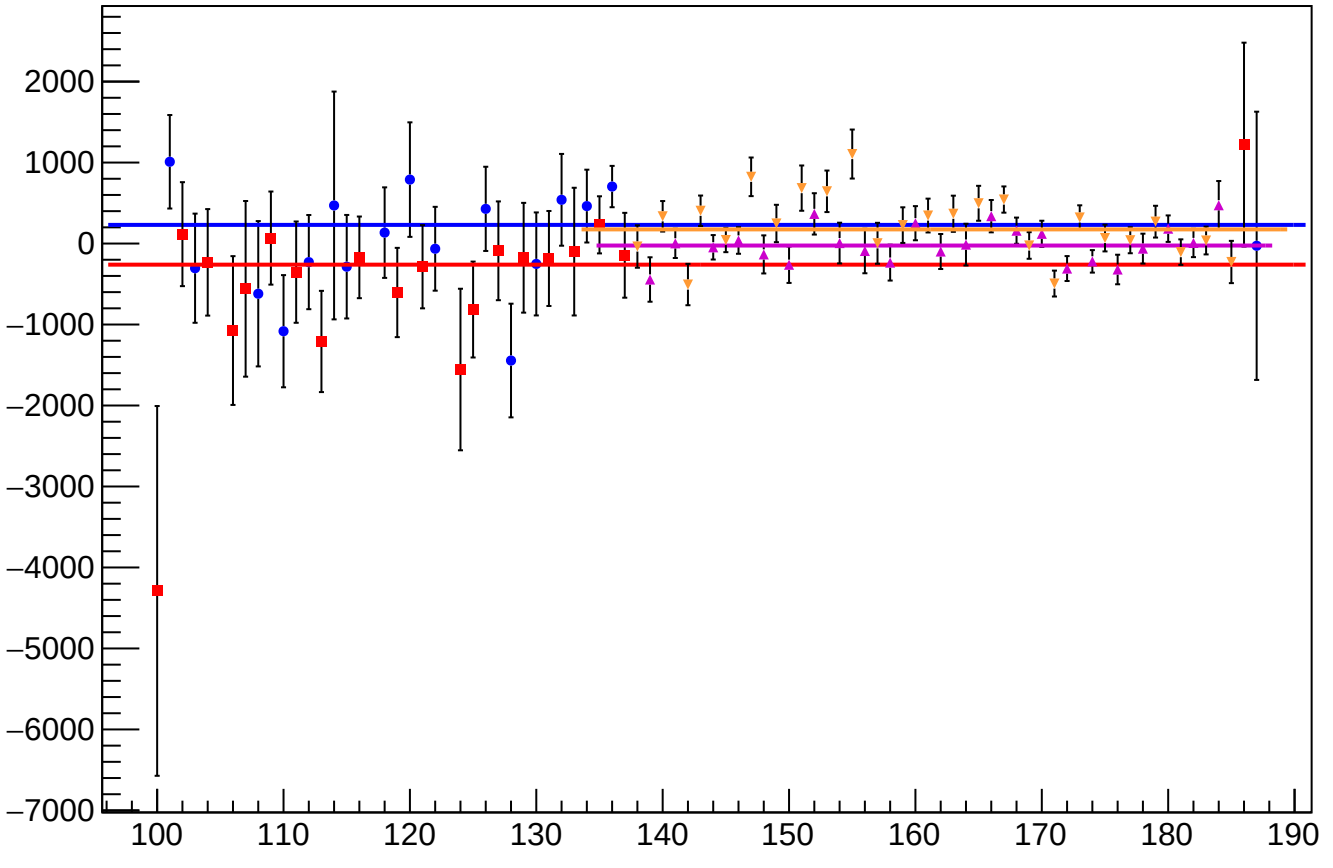
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 26.862+/-0.005 χ^2/NDF: 2030797.3/36

In: 21.225+/-0.003 χ^2/NDF:1673862.8/39

Out: 21.195+/-0.003 χ^2/NDF:2555902.9/44

All: 21.210+/-0.002 χ^2/NDF: 4229816.5/84



Right In: 230.379+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -260.713+/-139.108 χ^2/NDF: 13.5/19

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

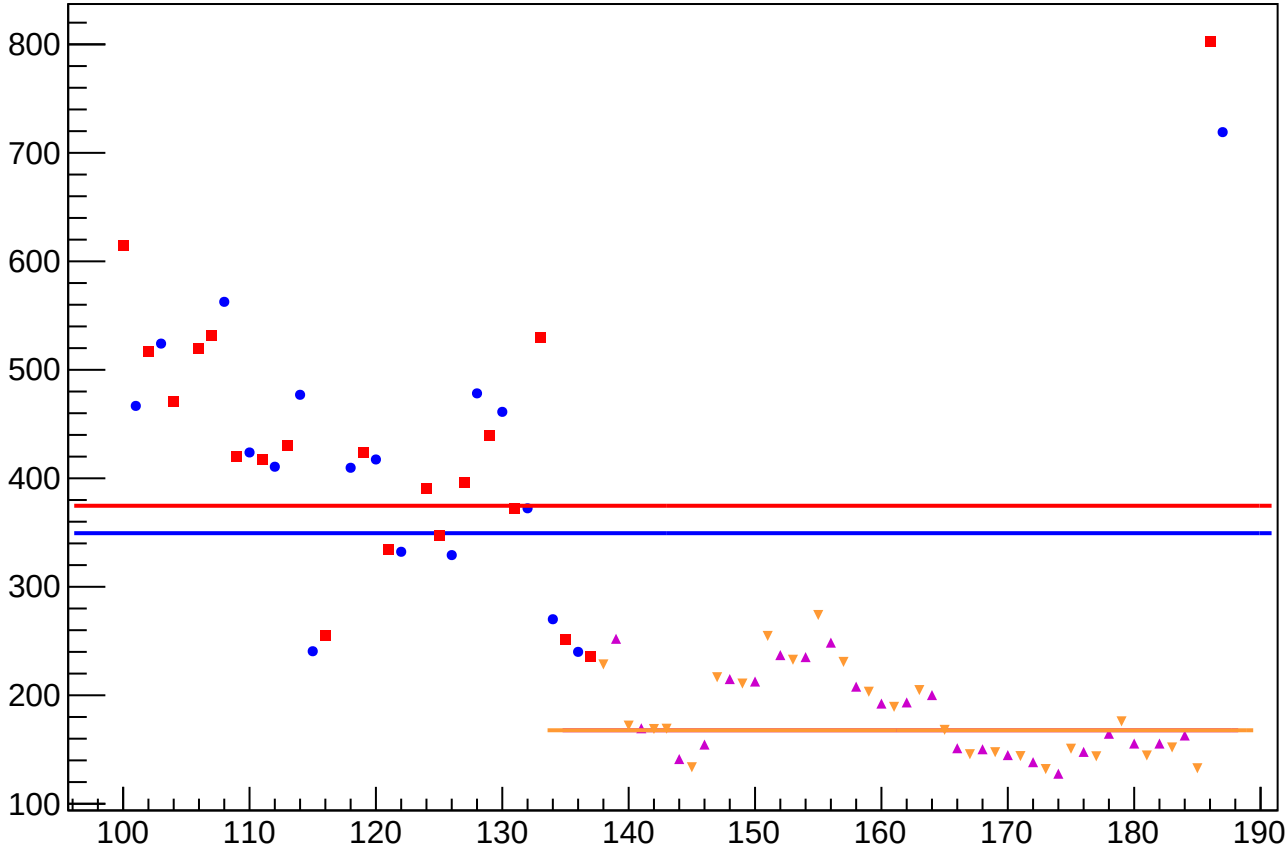
Right: -6.764+/-96.666 χ^2/NDF: 39.6/36

In: -3.783+/-38.401 χ^2/NDF:49.9/39

Out: 142.889+/-37.596 χ^2/NDF:93.8/44

All: 71.106+/-26.864 χ^2/NDF: 151.1/84

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 349.421+/-0.095 χ^2/NDF: 1158345.2/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 374.700+/-0.098 χ^2/NDF: 1152738.9/19

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

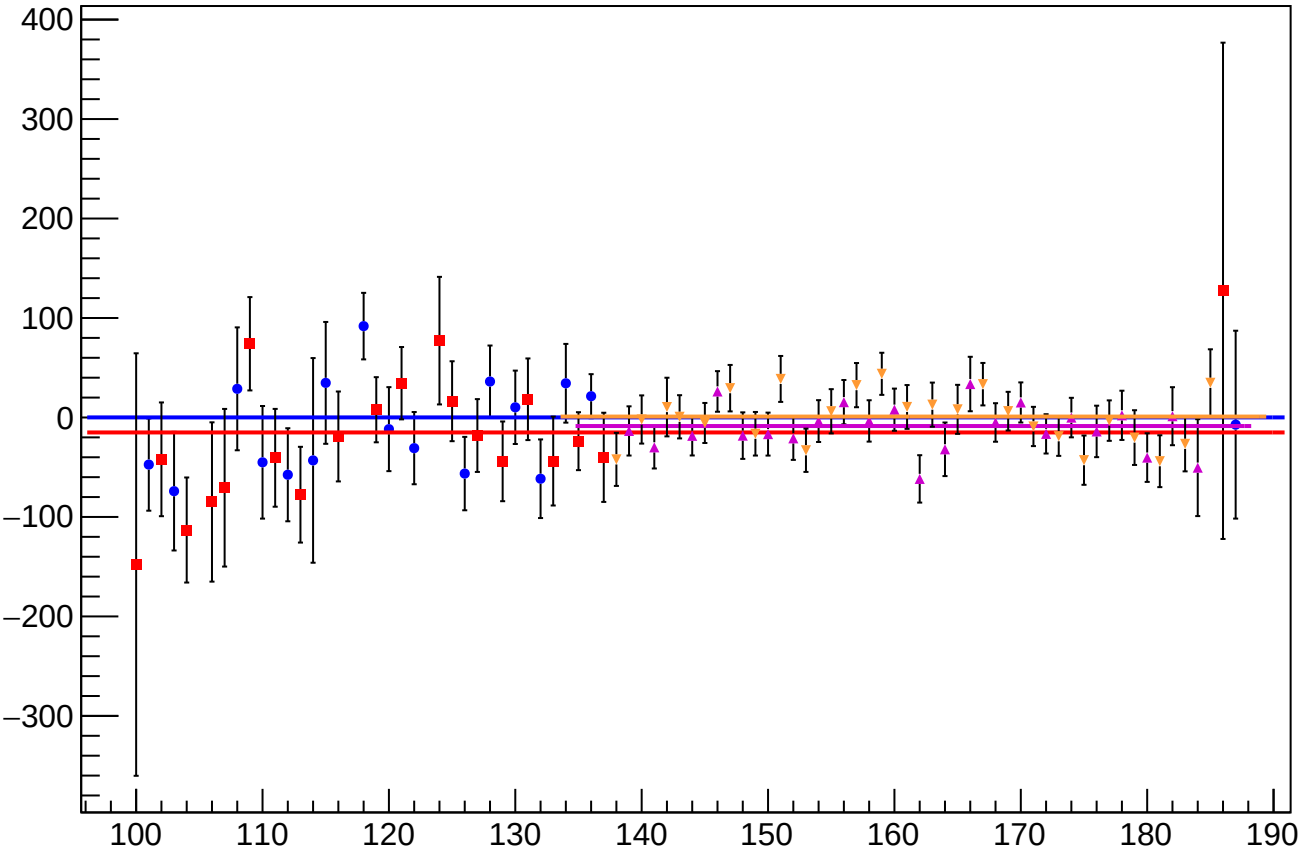
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 361.628+/-0.068 χ^2/NDF: 2345237.1/36

In: 182.573+/-0.027 χ^2/NDF:5916327.8/39

Out: 182.870+/-0.027 χ^2/NDF:6833946.2/44

All: 182.725+/-0.019 χ^2/NDF: 12750335.1/84



Right In: 0.075+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -15.051+/-10.260 χ^2/NDF: 18.3/19

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

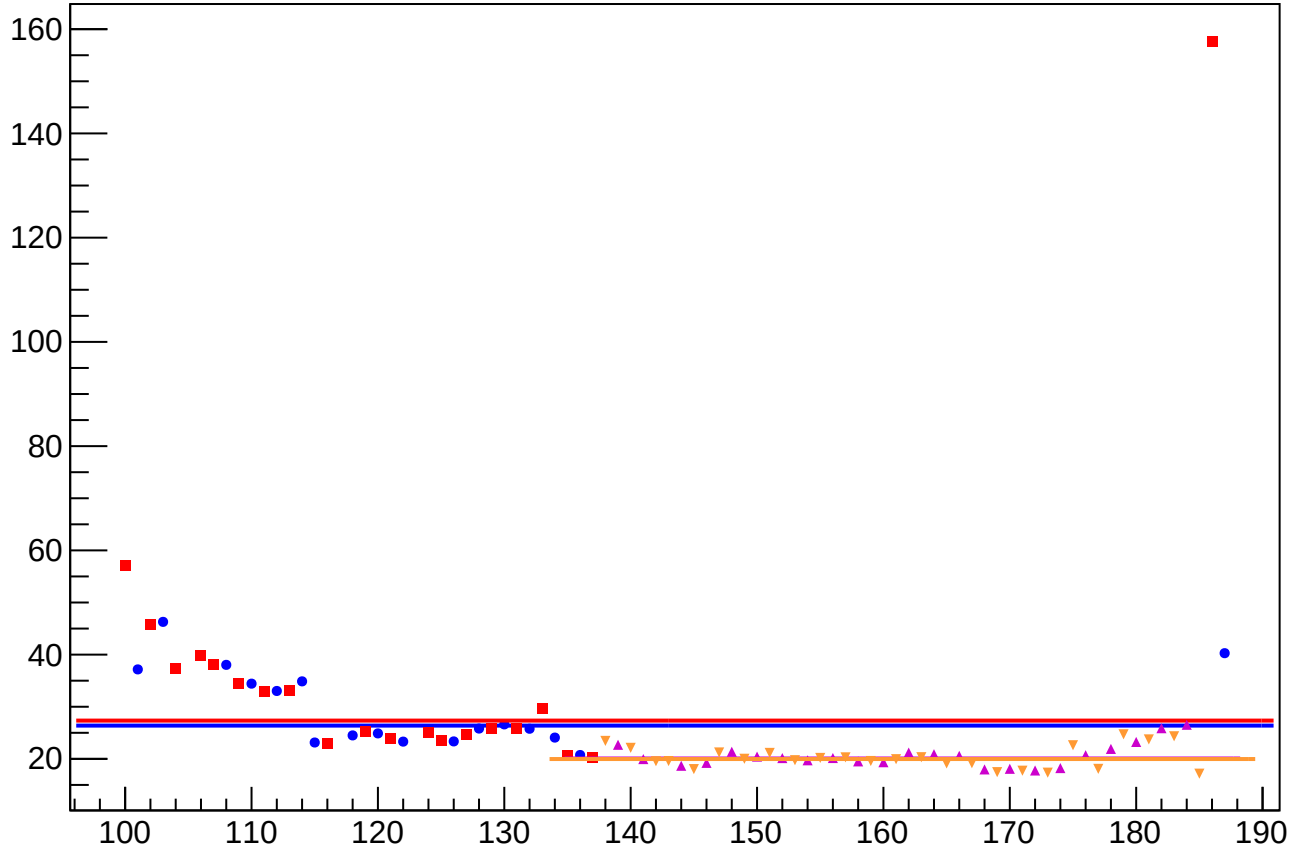
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -7.287+/-7.158 χ^2/NDF: 40.7/36

In: -7.016+/-4.270 χ^2/NDF:41.3/39

Out: -1.732+/-4.178 χ^2/NDF:49.5/44

All: -4.316+/-2.986 χ^2/NDF: 91.6/84



Right In: 26.384+/-0.007 χ^2/NDF: 719807.6/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 27.344+/-0.007 χ^2/NDF: 1292030.3/19

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

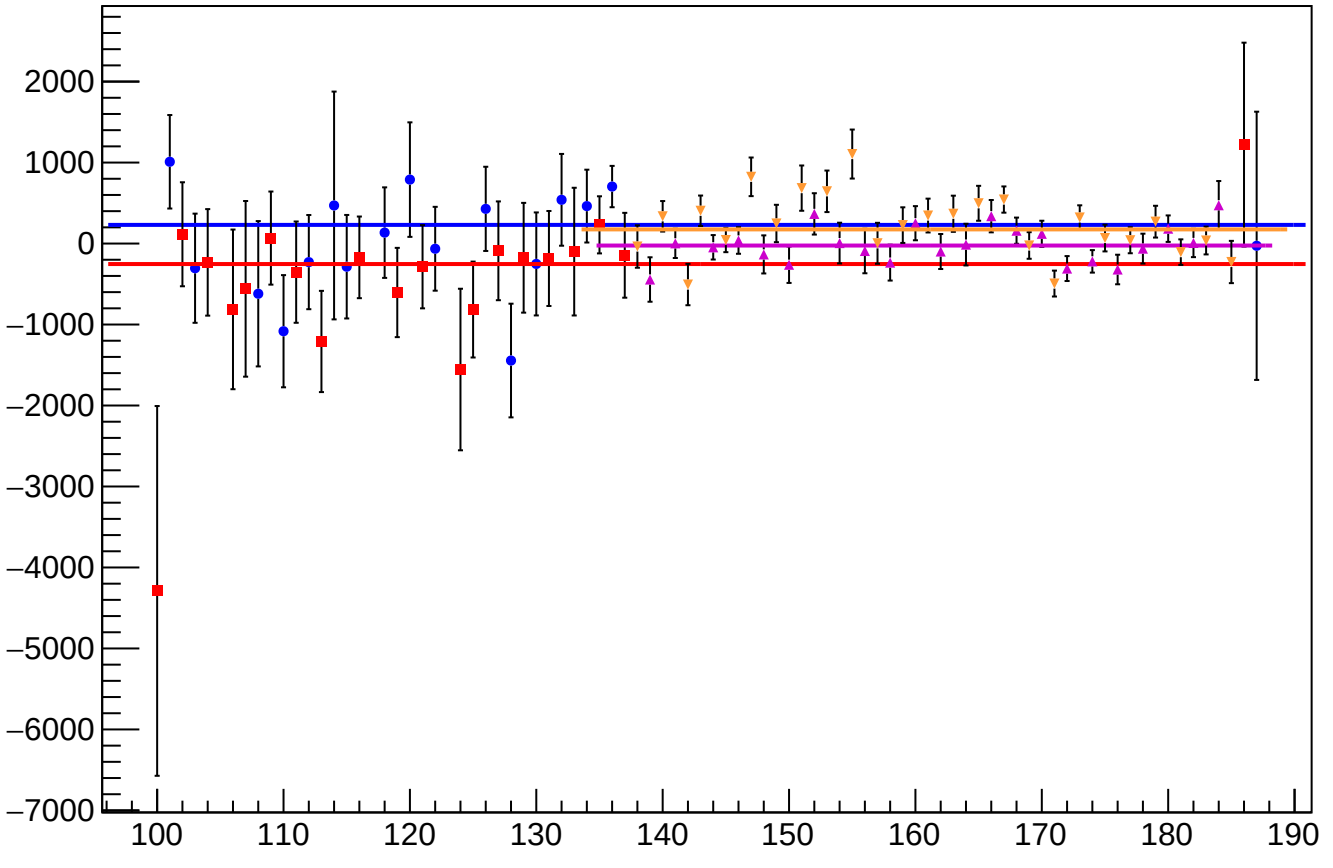
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 26.851+/-0.005 χ^2/NDF: 2020825.1/36

In: 21.225+/-0.003 χ^2/NDF:1673866.1/39

Out: 21.191+/-0.003 χ^2/NDF:2540996.5/44

All: 21.208+/-0.002 χ^2/NDF: 4214927.7/84



Right In: 230.371+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -253.120+/-139.321 χ^2/NDF: 13.0/19

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

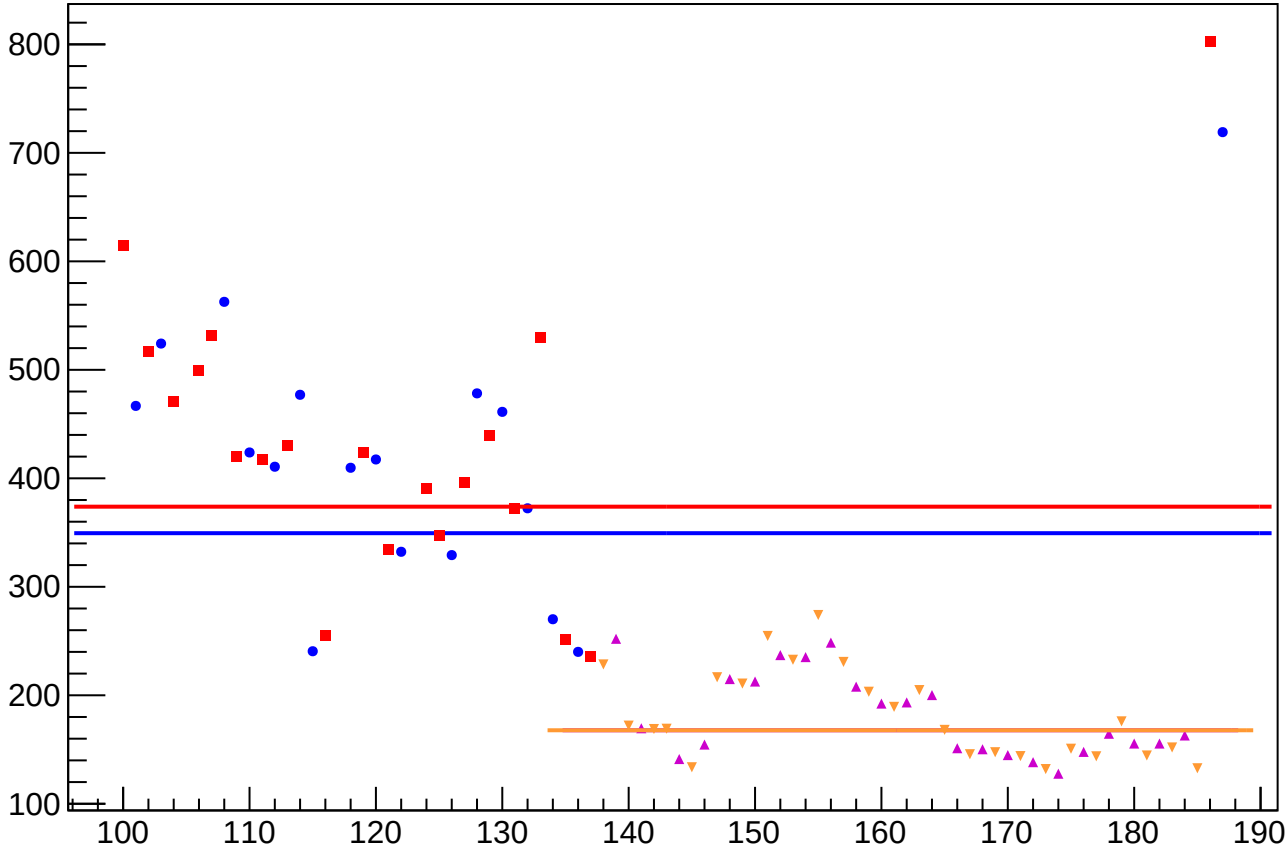
Right: -2.731+/-96.738 χ^2/NDF: 38.9/36

In: -3.784+/-38.401 χ^2/NDF:49.9/39

Out: 143.531+/-37.600 χ^2/NDF:93.0/44

All: 71.425+/-26.866 χ^2/NDF: 150.3/84

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 349.421+/-0.095 χ^2/NDF: 1158373.0/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 373.860+/-0.099 χ^2/NDF: 1135034.7/19

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

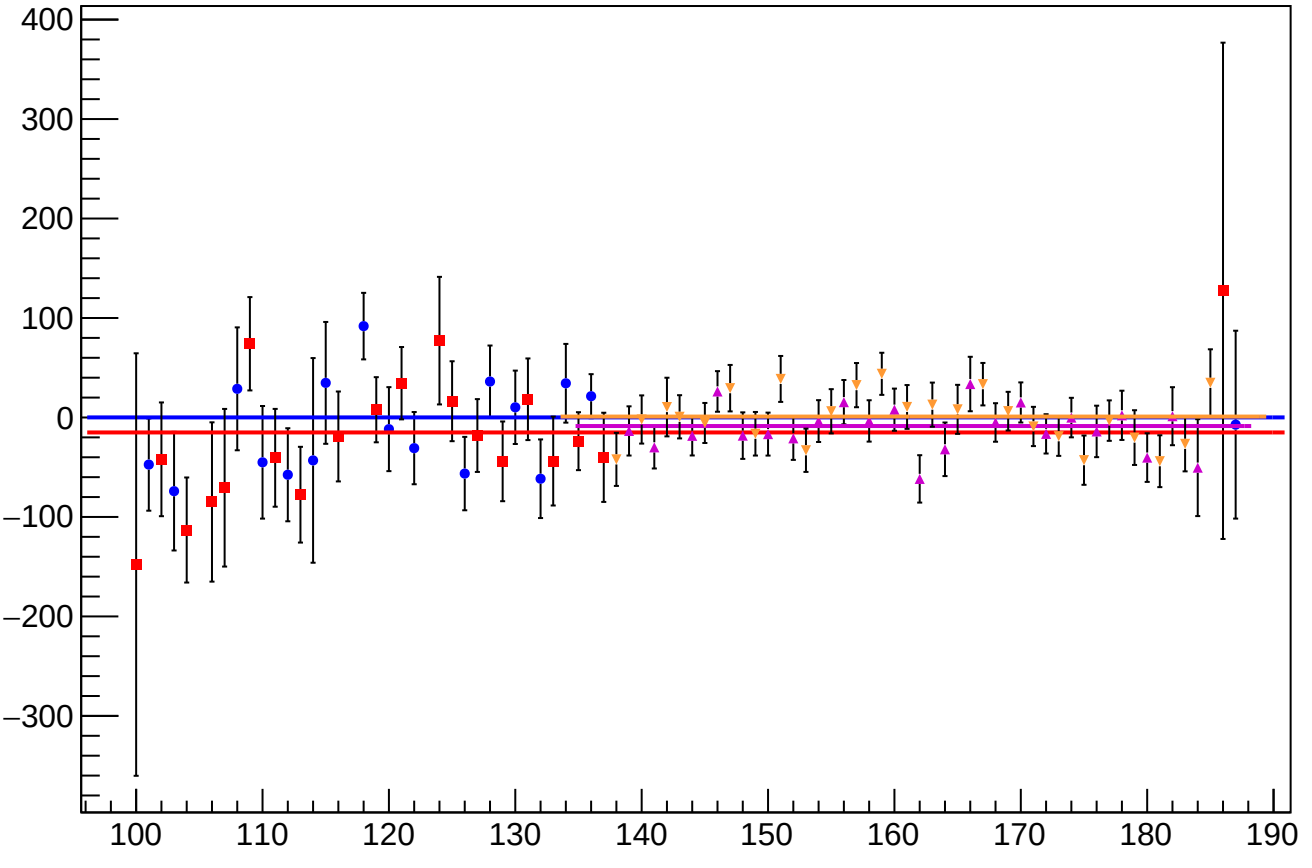
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 361.204+/-0.068 χ^2/NDF: 2325276.9/36

In: 182.573+/-0.027 χ^2/NDF:5916343.1/39

Out: 182.766+/-0.027 χ^2/NDF:6771435.9/44

All: 182.672+/-0.019 χ^2/NDF: 12687804.7/84



Right In: 0.075+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -15.051+/-10.260 χ^2/NDF: 18.3/19

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

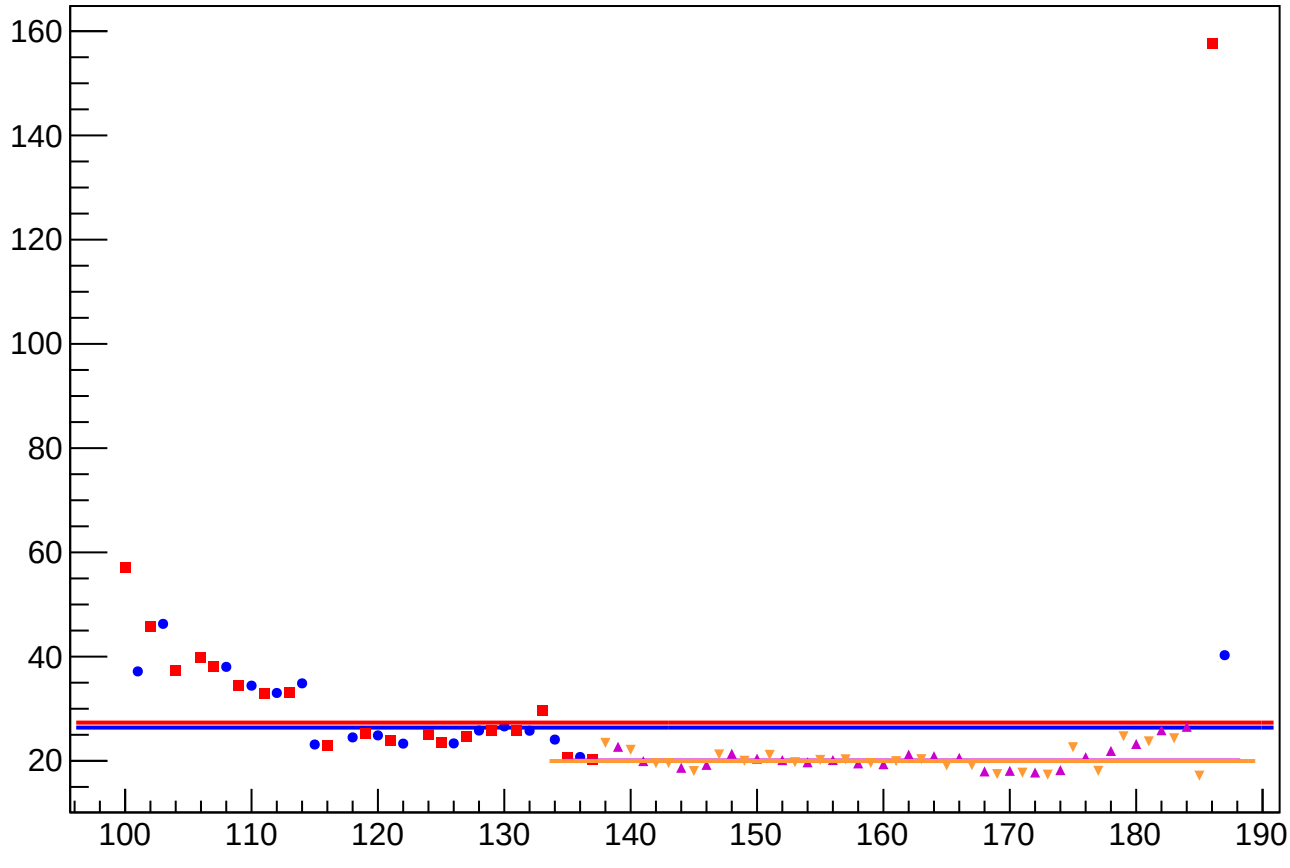
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -7.287+/-7.158 χ^2/NDF: 40.7/36

In: -7.016+/-4.270 χ^2/NDF:41.3/39

Out: -1.732+/-4.178 χ^2/NDF:49.5/44

All: -4.316+/-2.986 χ^2/NDF: 91.6/84



Right In: 26.384+/-0.007 χ^2/NDF: 719807.6/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 27.344+/-0.007 χ^2/NDF: 1292030.3/19

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

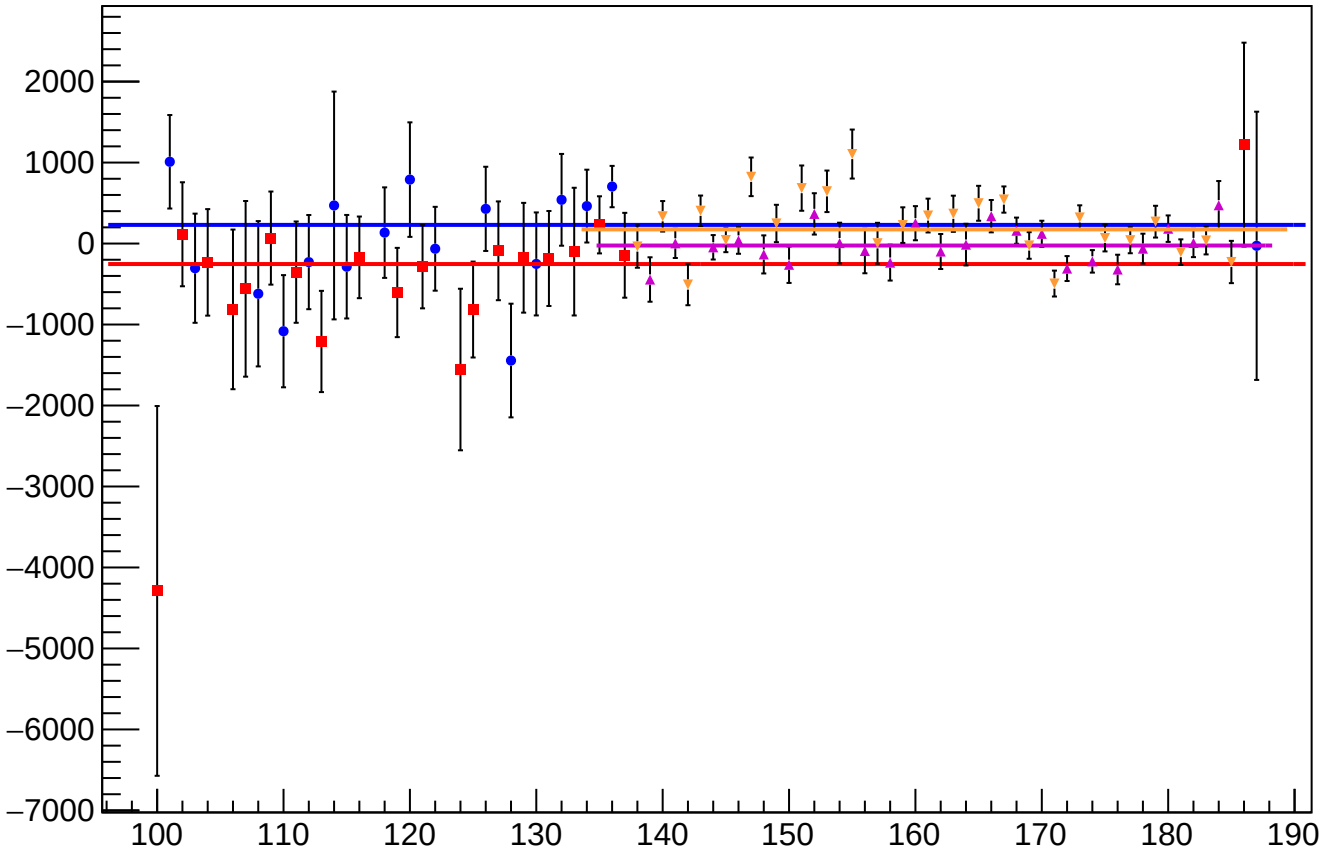
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 26.851+/-0.005 χ^2/NDF: 2020825.1/36

In: 21.225+/-0.003 χ^2/NDF:1673866.1/39

Out: 21.191+/-0.003 χ^2/NDF:2540996.5/44

All: 21.208+/-0.002 χ^2/NDF: 4214927.7/84



Right In: 230.371+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -253.120+/-139.321 χ^2/NDF: 13.0/19

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

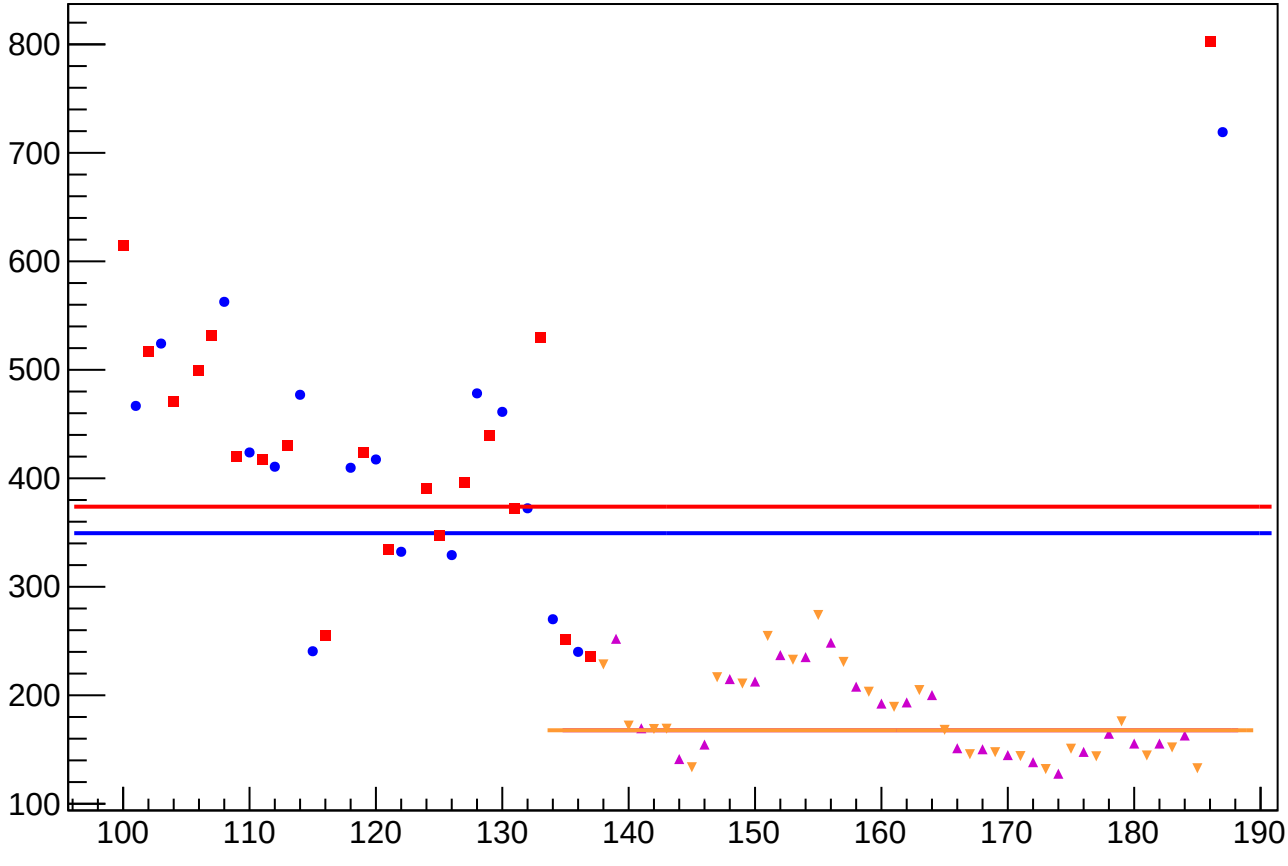
Right: -2.731+/-96.738 χ^2/NDF: 38.9/36

In: -3.784+/-38.401 χ^2/NDF:49.9/39

Out: 143.531+/-37.600 χ^2/NDF:93.0/44

All: 71.425+/-26.866 χ^2/NDF: 150.3/84

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 349.421+/-0.095 χ^2/NDF: 1158373.0/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 373.860+/-0.099 χ^2/NDF: 1135034.7/19

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

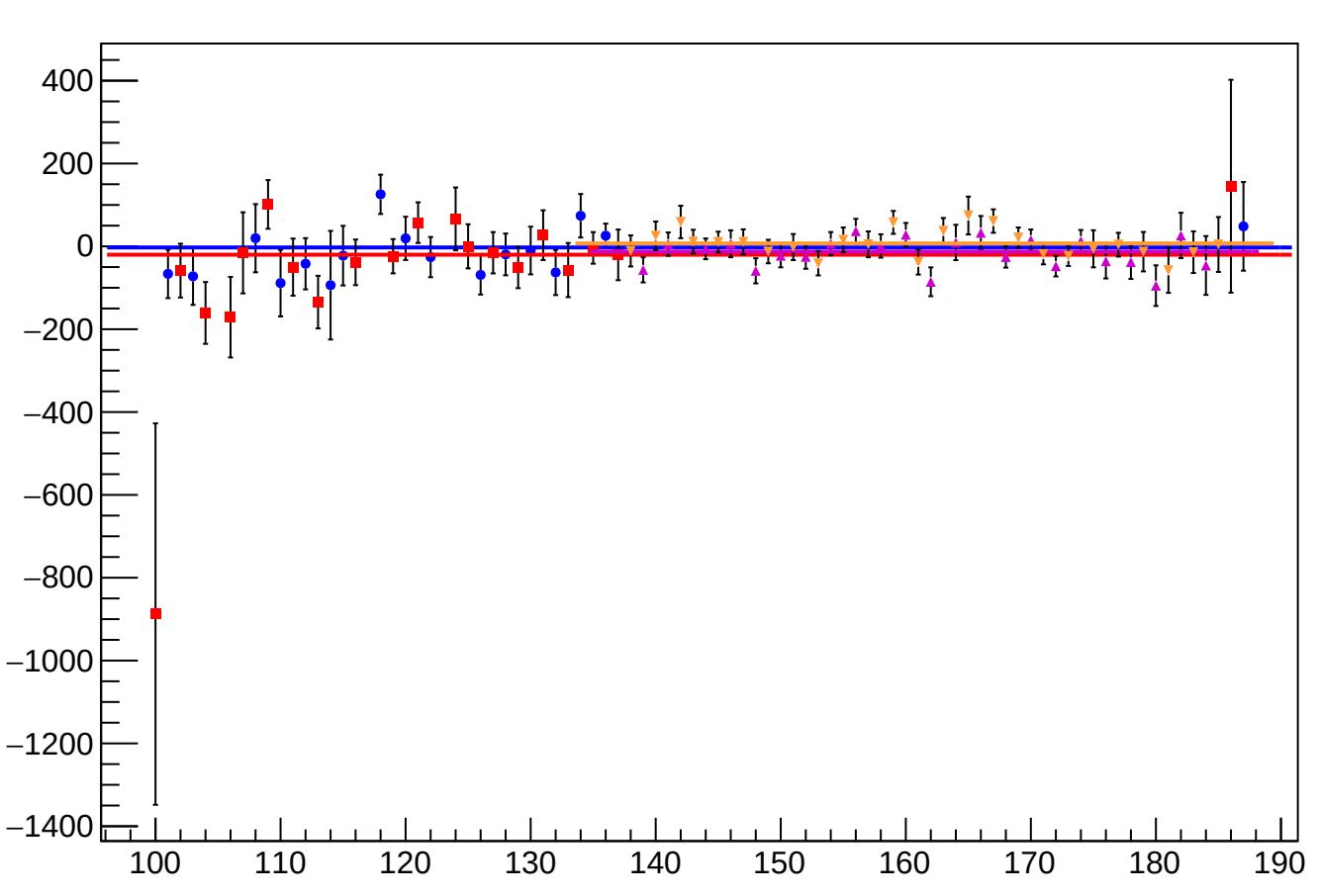
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 361.204+/-0.068 χ^2/NDF: 2325276.9/36

In: 182.573+/-0.027 χ^2/NDF:5916343.1/39

Out: 182.766+/-0.027 χ^2/NDF:6771435.9/44

All: 182.672+/-0.019 χ^2/NDF: 12687804.7/84



Right In: -2.626+/-13.289 χ^2/NDF: 18.7/16

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -20.114+/-13.456 χ^2/NDF: 23.6/19

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

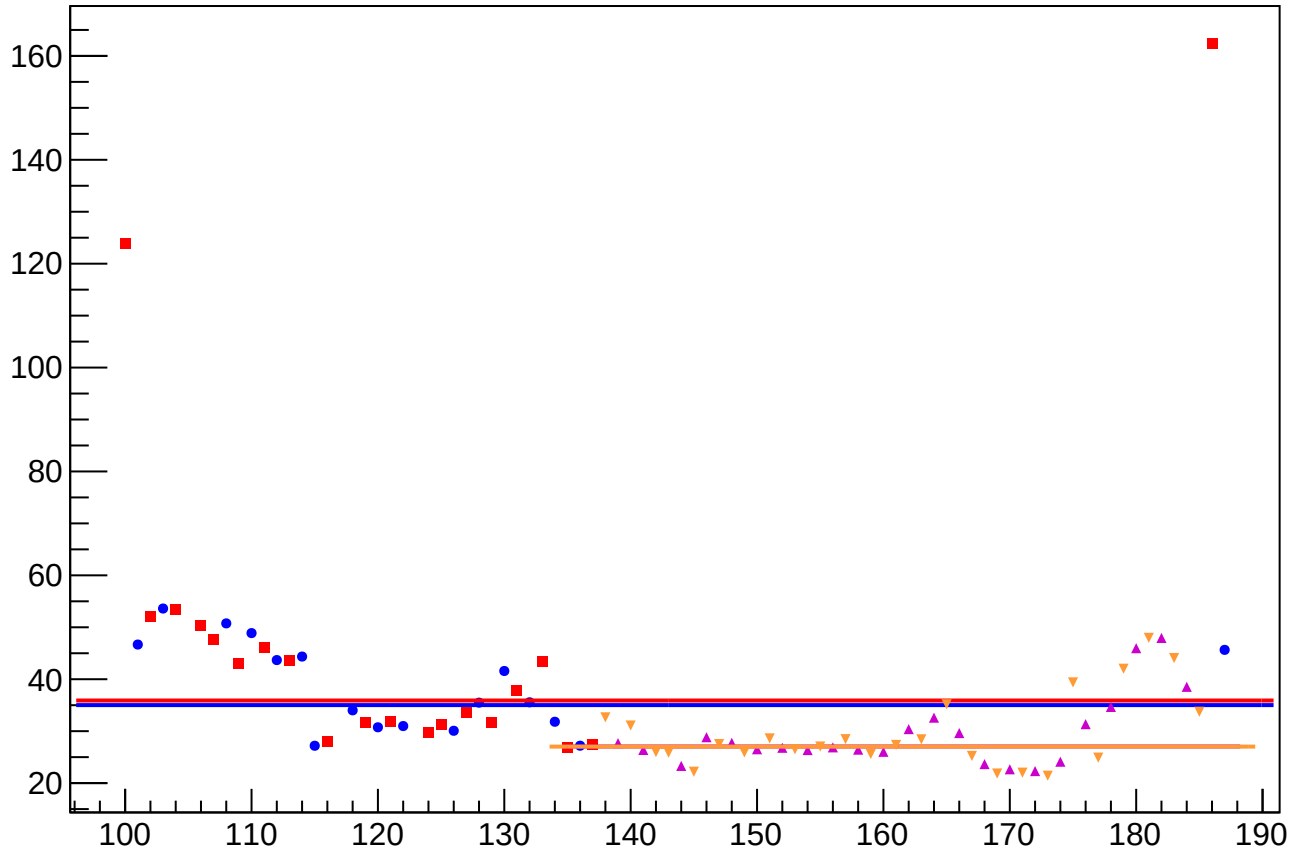
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -11.261+/-9.455 χ^2/NDF: 43.1/36

In: -10.746+/-5.849 χ^2/NDF:44.8/39

Out: 2.148+/-5.730 χ^2/NDF:49.6/44

All: -4.167+/-4.093 χ^2/NDF: 96.9/84



Right In: 35.017+/-0.009 χ^2/NDF: 678212.3/16

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 35.901+/-0.010 χ^2/NDF: 1265647.3/19

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

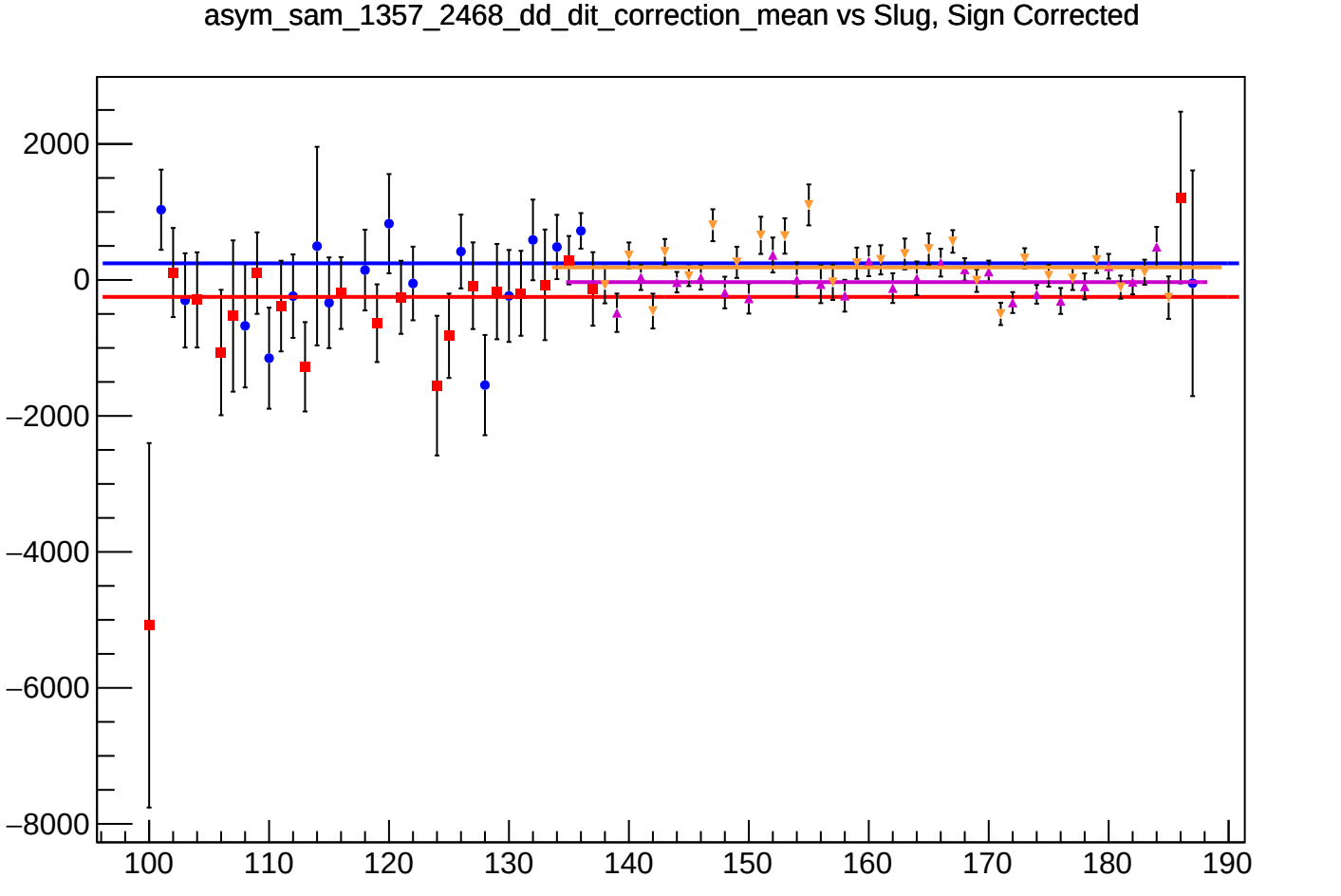
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 35.453+/-0.007 χ^2/NDF: 1948224.7/36

In: 28.595+/-0.004 χ^2/NDF:2301906.3/39

Out: 28.636+/-0.004 χ^2/NDF:3408297.9/44

All: 28.616+/-0.003 χ^2/NDF: 5710253.5/84



Right In: 244.412+/-139.776 χ^2/NDF: 19.8/16

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -249.561+/-144.343 χ^2/NDF: 14.0/19

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

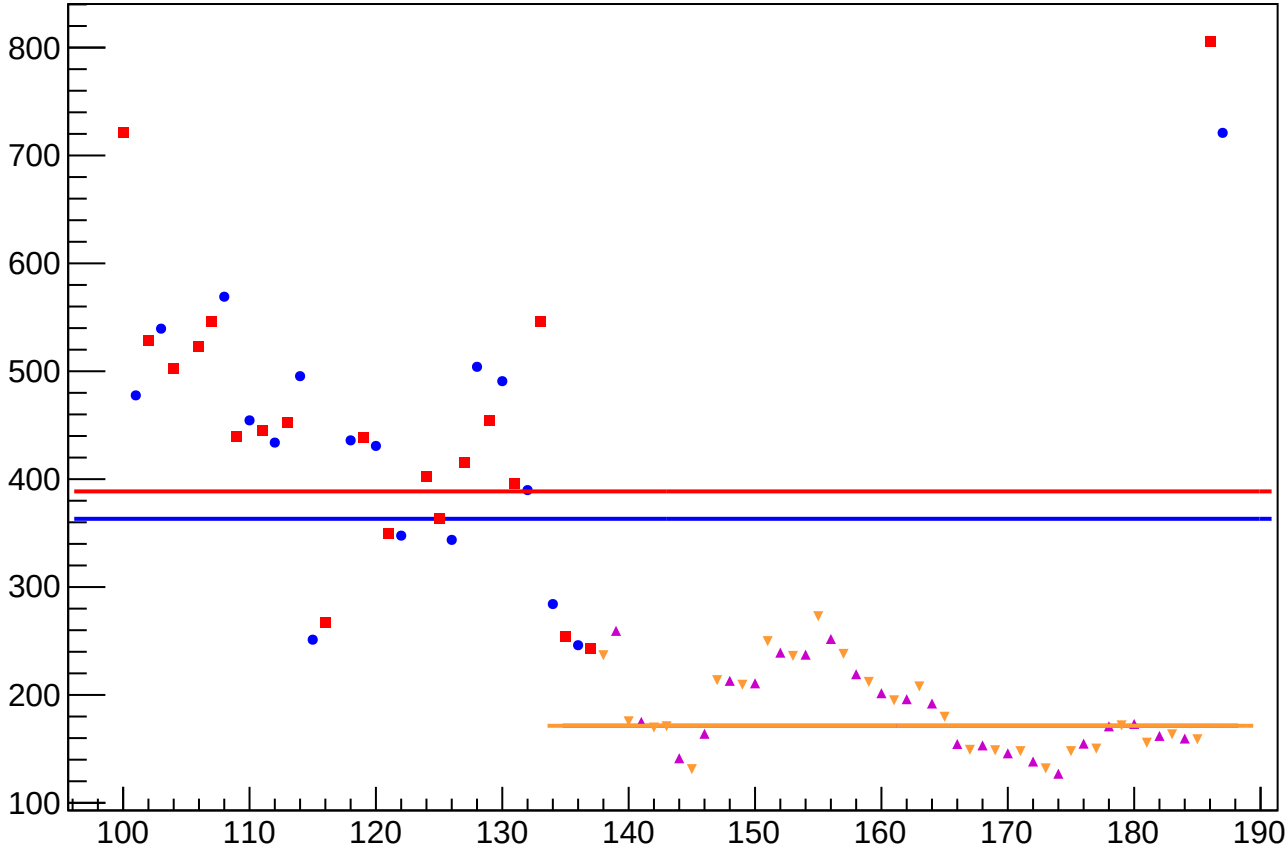
Right: 5.363+/-100.412 χ^2/NDF: 39.8/36

In: -10.026+/-39.320 χ^2/NDF:49.8/39

Out: 153.947+/-38.397 χ^2/NDF:90.1/44

All: 73.909+/-27.471 χ^2/NDF: 148.8/84

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 363.247+/-0.099 χ^2/NDF: 1186315.4/16

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 388.651+/-0.102 χ^2/NDF: 1183983.2/19

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

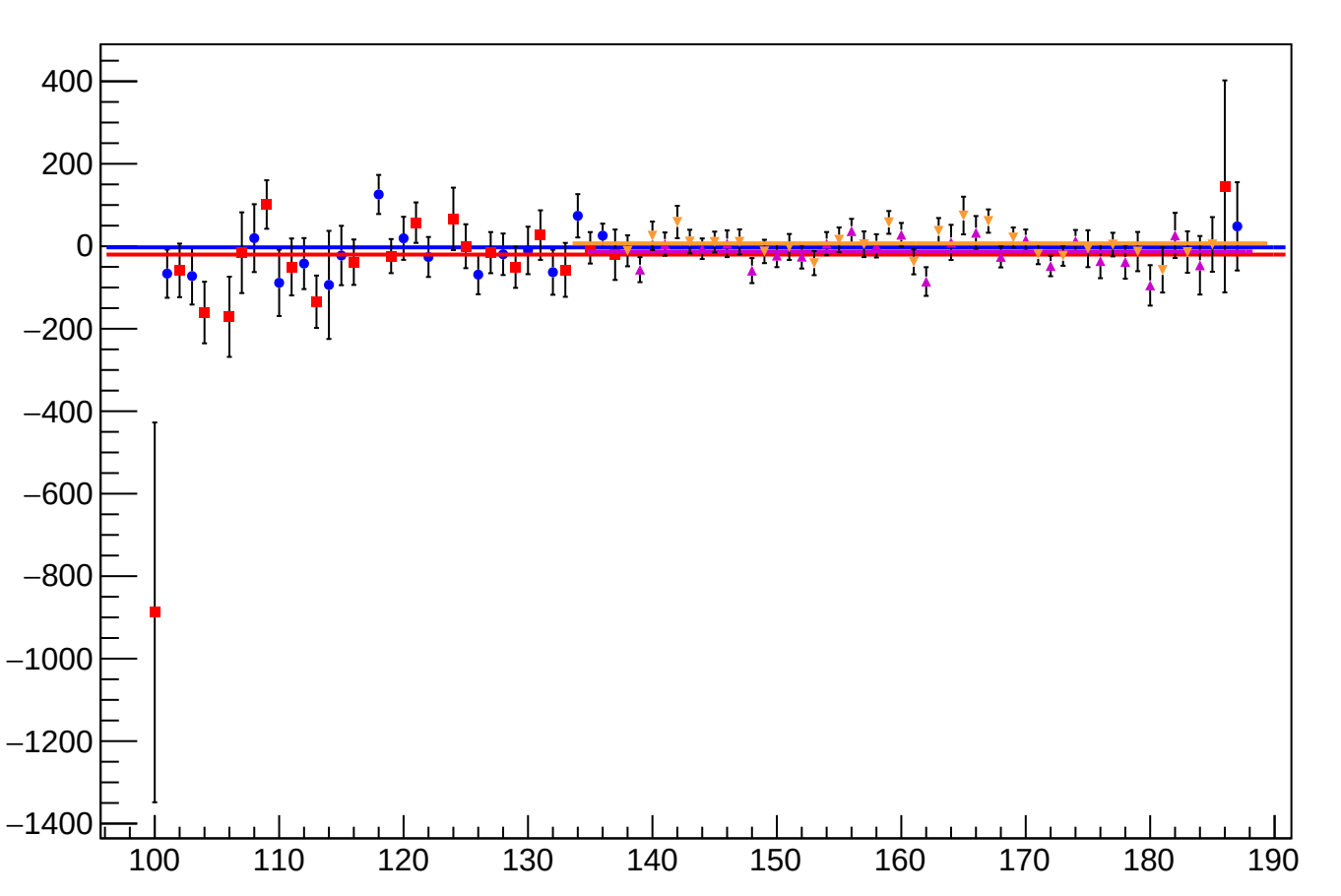
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 375.541+/-0.071 χ^2/NDF: 2402269.0/36

In: 186.664+/-0.028 χ^2/NDF:6068348.8/39

Out: 186.798+/-0.027 χ^2/NDF:6919866.6/44

All: 186.733+/-0.019 χ^2/NDF: 12988227.2/84



Right In: -2.627+/-13.289 χ^2/NDF: 18.7/16

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -20.114+/-13.456 χ^2/NDF: 23.6/19

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

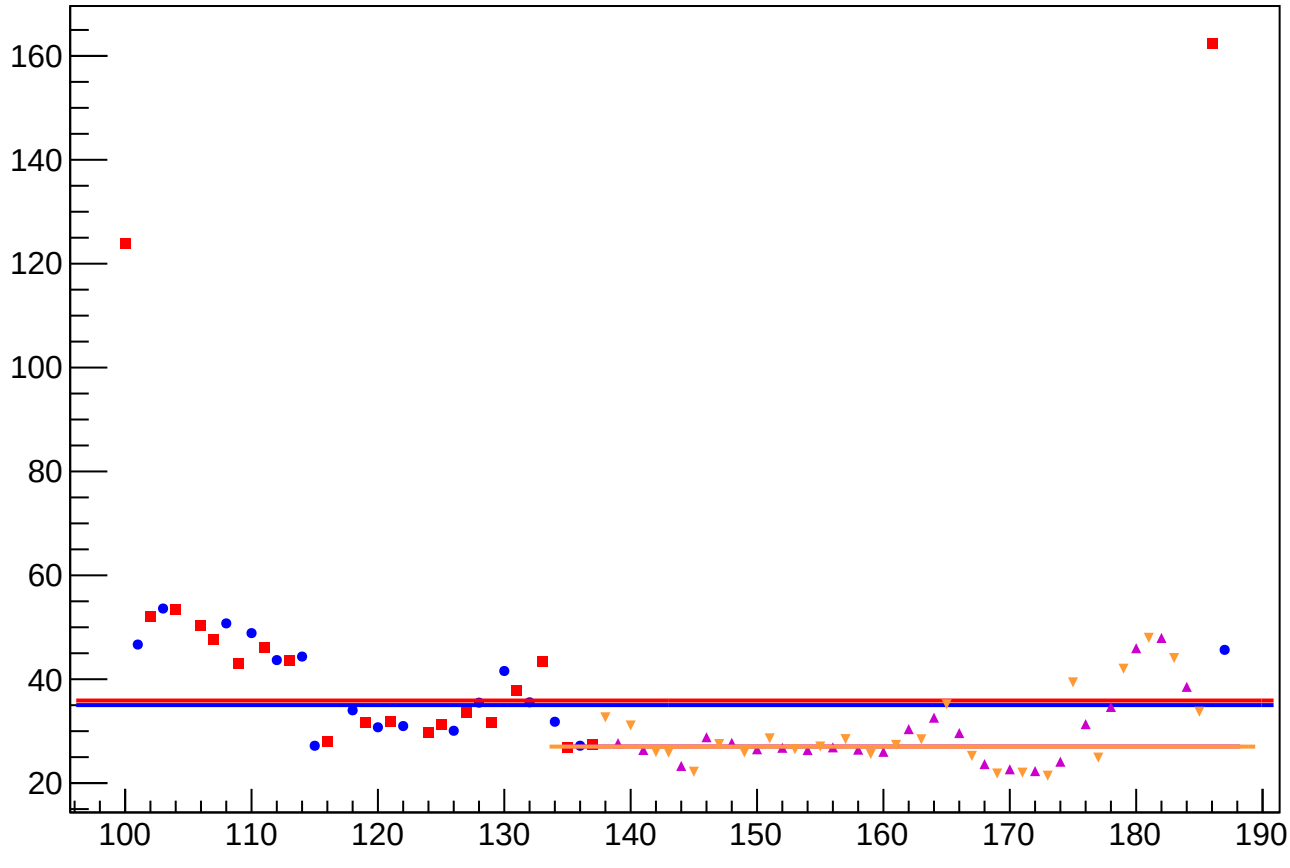
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -11.261+/-9.455 χ^2/NDF: 43.1/36

In: -10.746+/-5.849 χ^2/NDF:44.8/39

Out: 2.148+/-5.730 χ^2/NDF:49.6/44

All: -4.167+/-4.093 χ^2/NDF: 96.9/84



Right In: 35.017+/-0.009 χ^2/NDF: 678163.4/16

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 35.900+/-0.010 χ^2/NDF: 1265619.5/19

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

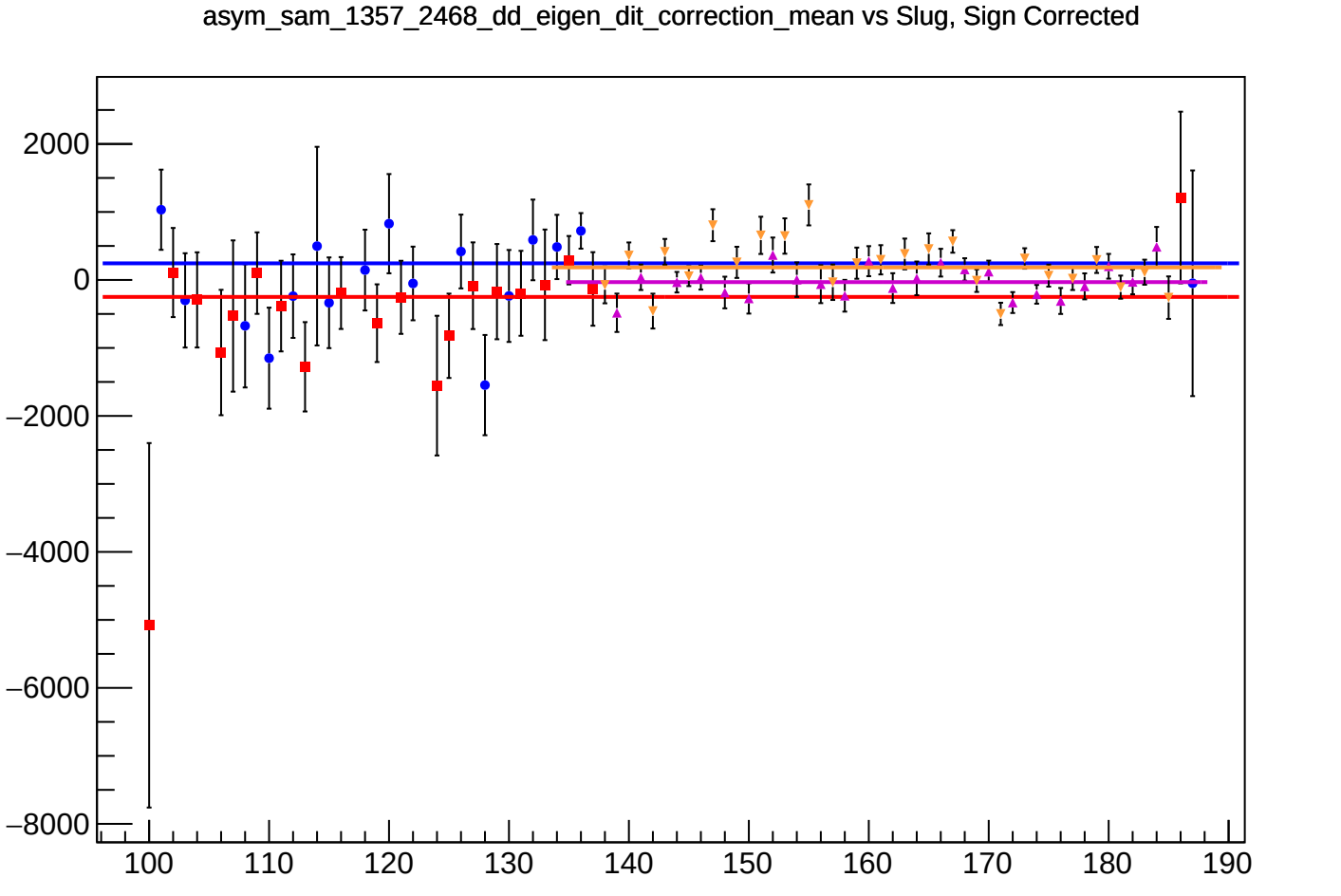
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 35.453+/-0.007 χ^2/NDF: 1948148.9/36

In: 28.595+/-0.004 χ^2/NDF:2301769.2/39

Out: 28.636+/-0.004 χ^2/NDF:3408214.6/44

All: 28.616+/-0.003 χ^2/NDF: 5710033.2/84



Right In: 244.410+/-139.776 χ^2/NDF: 19.8/16

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -249.561+/-144.343 χ^2/NDF: 14.0/19

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

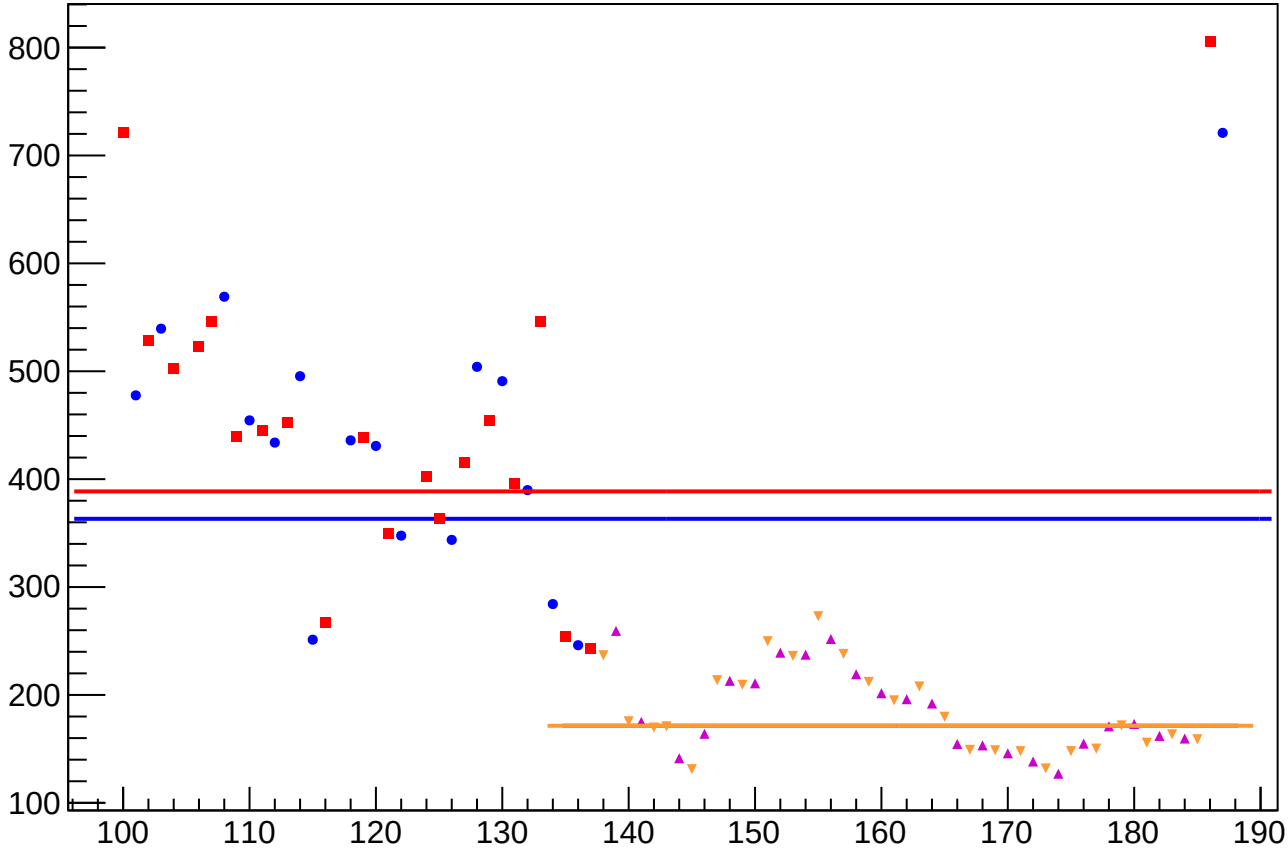
Right: 5.362+/-100.412 χ^2/NDF: 39.8/36

In: -10.026+/-39.320 χ^2/NDF:49.8/39

Out: 153.947+/-38.397 χ^2/NDF:90.1/44

All: 73.908+/-27.471 χ^2/NDF: 148.8/84

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 363.246+/-0.099 χ^2/NDF: 1186307.6/16

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 388.650+/-0.102 χ^2/NDF: 1183980.8/19

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

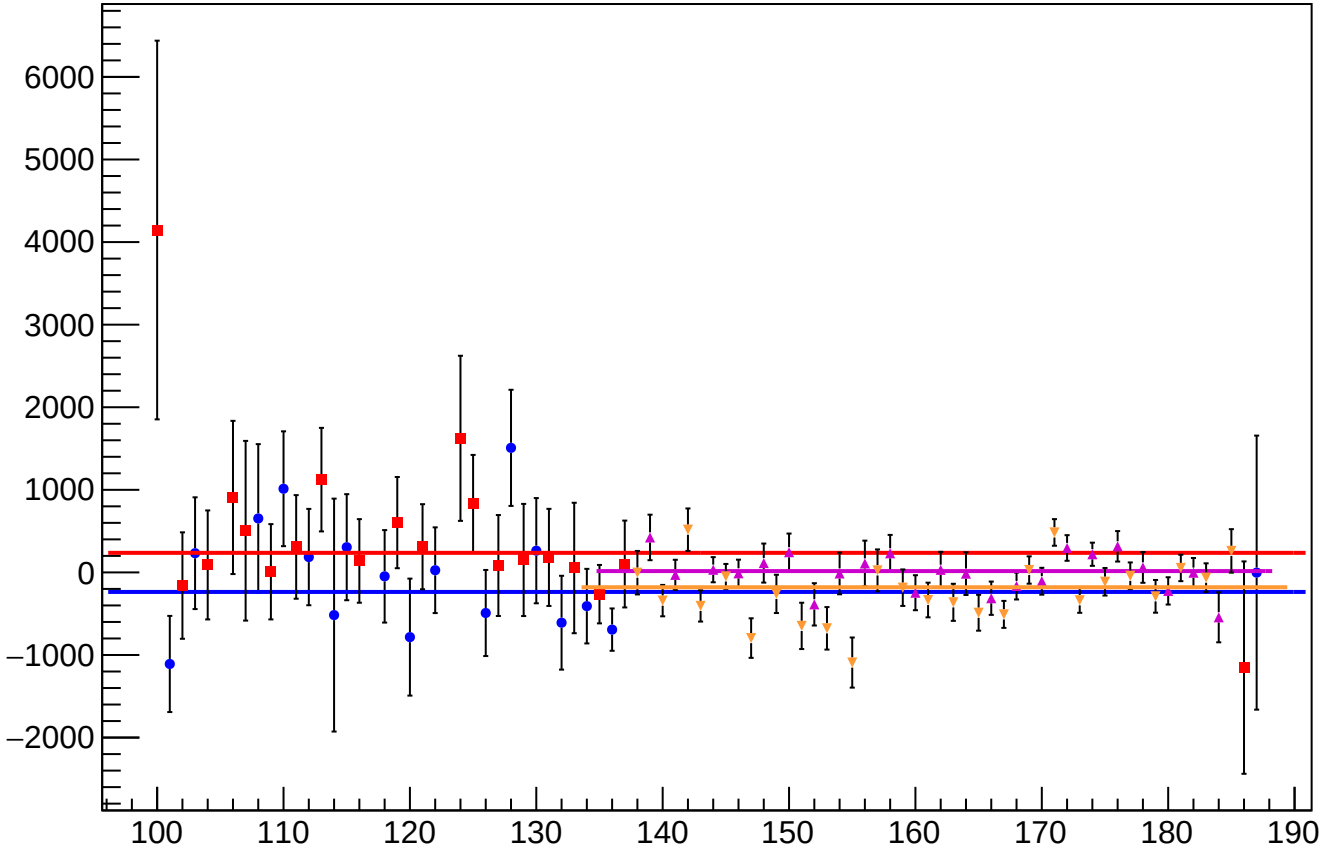
Right: 375.540+/-0.071 χ^2/NDF: 2402258.9/36

In: 186.664+/-0.028 χ^2/NDF:6068363.7/39

Out: 186.797+/-0.027 χ^2/NDF:6919888.2/44

All: 186.732+/-0.019 χ^2/NDF: 12988263.7/84

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -236.487+/-134.901 χ^2/NDF: 20.0/16

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 236.877+/-139.584 χ^2/NDF: 12.9/19

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

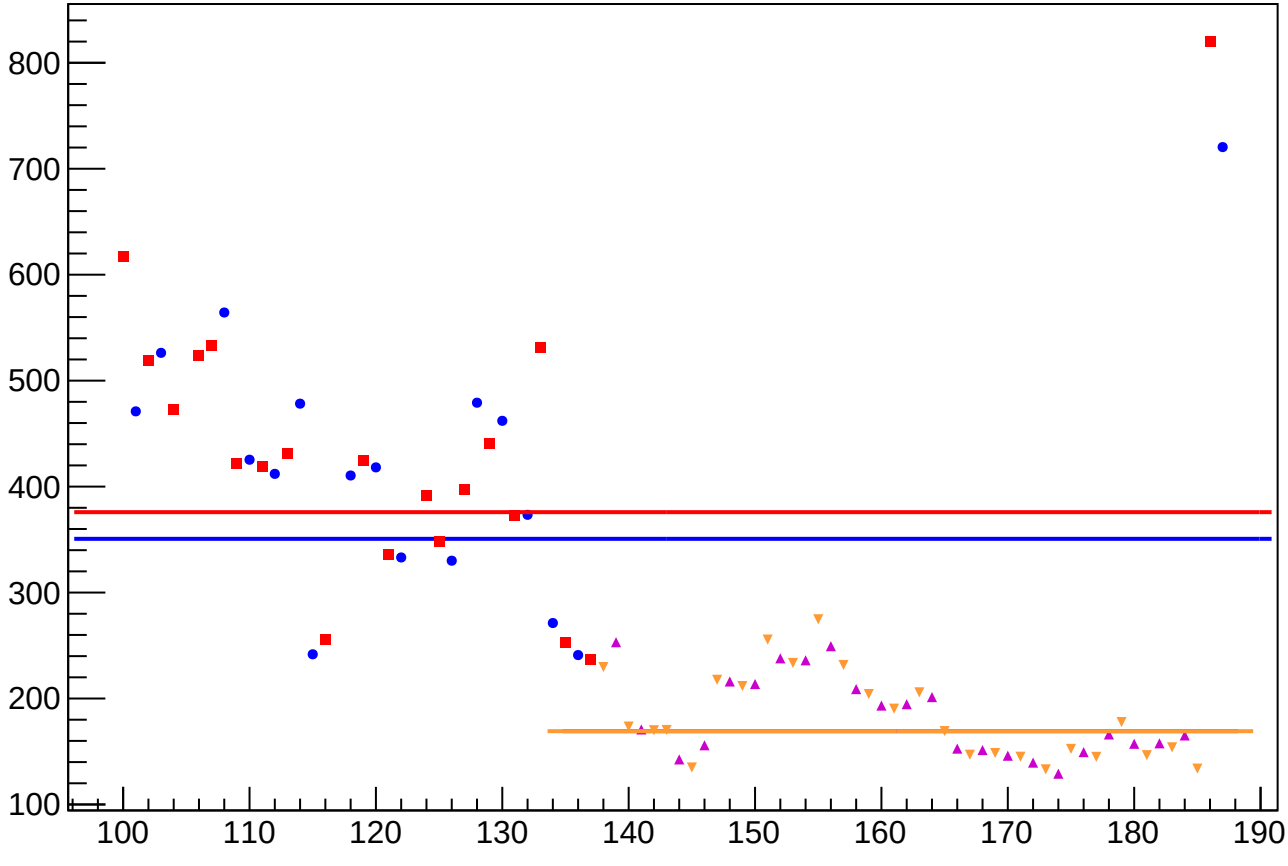
Right: -7.879+/-97.003 χ^2/NDF: 38.8/36

In: -4.725+/-38.698 χ^2/NDF:49.8/39

Out: -148.970+/-37.886 χ^2/NDF:88.2/44

All: -78.378+/-27.072 χ^2/NDF: 145.1/84

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 350.713+/-0.095 χ^2/NDF: 1156784.5/16

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 375.880+/-0.099 χ^2/NDF: 1159264.2/19

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

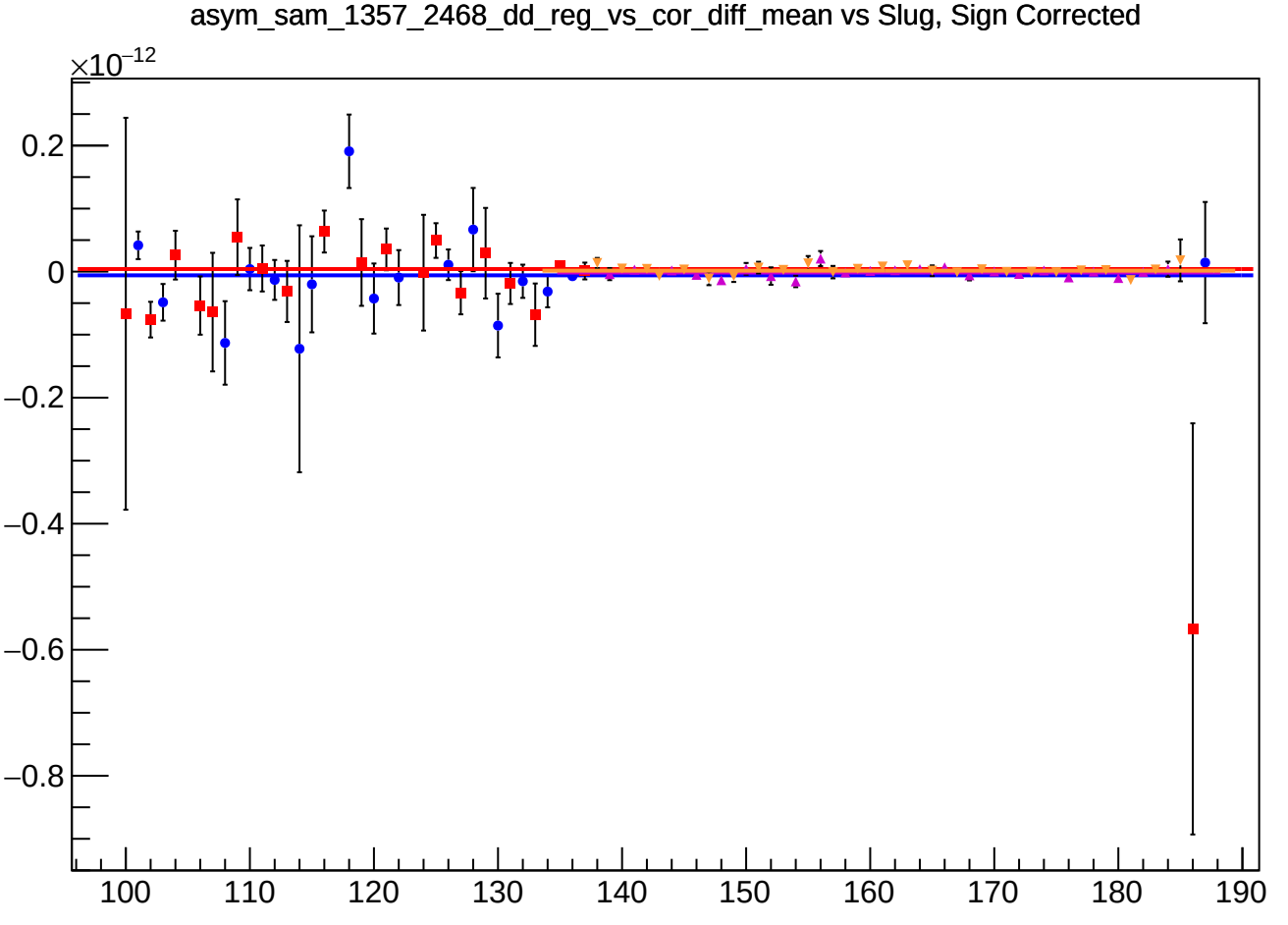
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 362.867+/-0.069 χ^2/NDF: 2349666.4/36

In: 184.125+/-0.027 χ^2/NDF:5854621.3/39

Out: 184.409+/-0.027 χ^2/NDF:6769546.1/44

All: 184.270+/-0.019 χ^2/NDF: 12624222.3/84



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/19

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

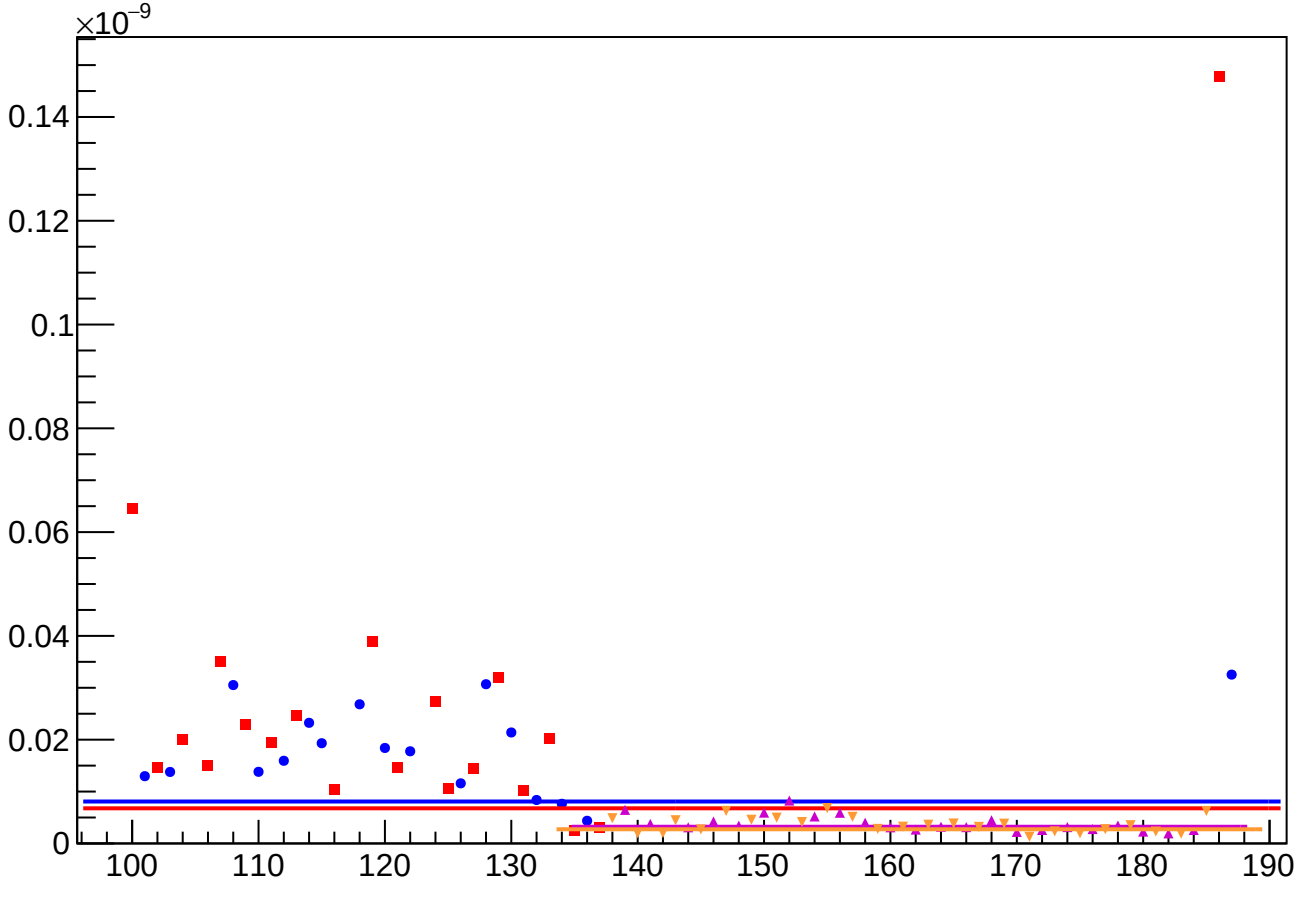
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 55.0/36

In: -0.000+/-0.000 χ^2/NDF:47.6/39

Out: 0.000+/-0.000 χ^2/NDF:45.1/44

All: 0.000+/-0.000 χ^2/NDF: 96.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 2079442.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3753780.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

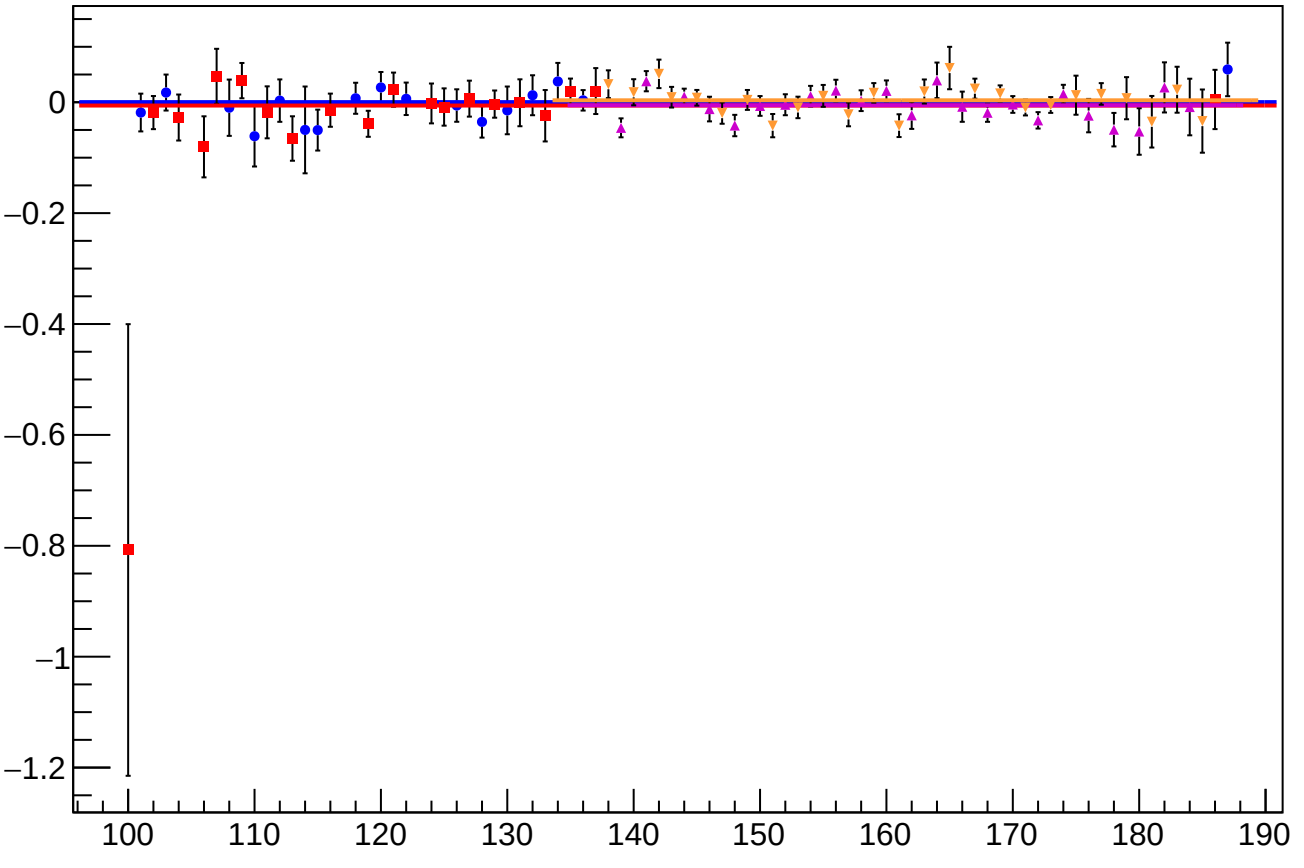
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5887794.9/36

In: 0.000+/-0.000 χ^2/NDF:4825816.8/39

Out: 0.000+/-0.000 χ^2/NDF:6688127.4/44

All: 0.000+/-0.000 χ^2/NDF: 11730552.5/84



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

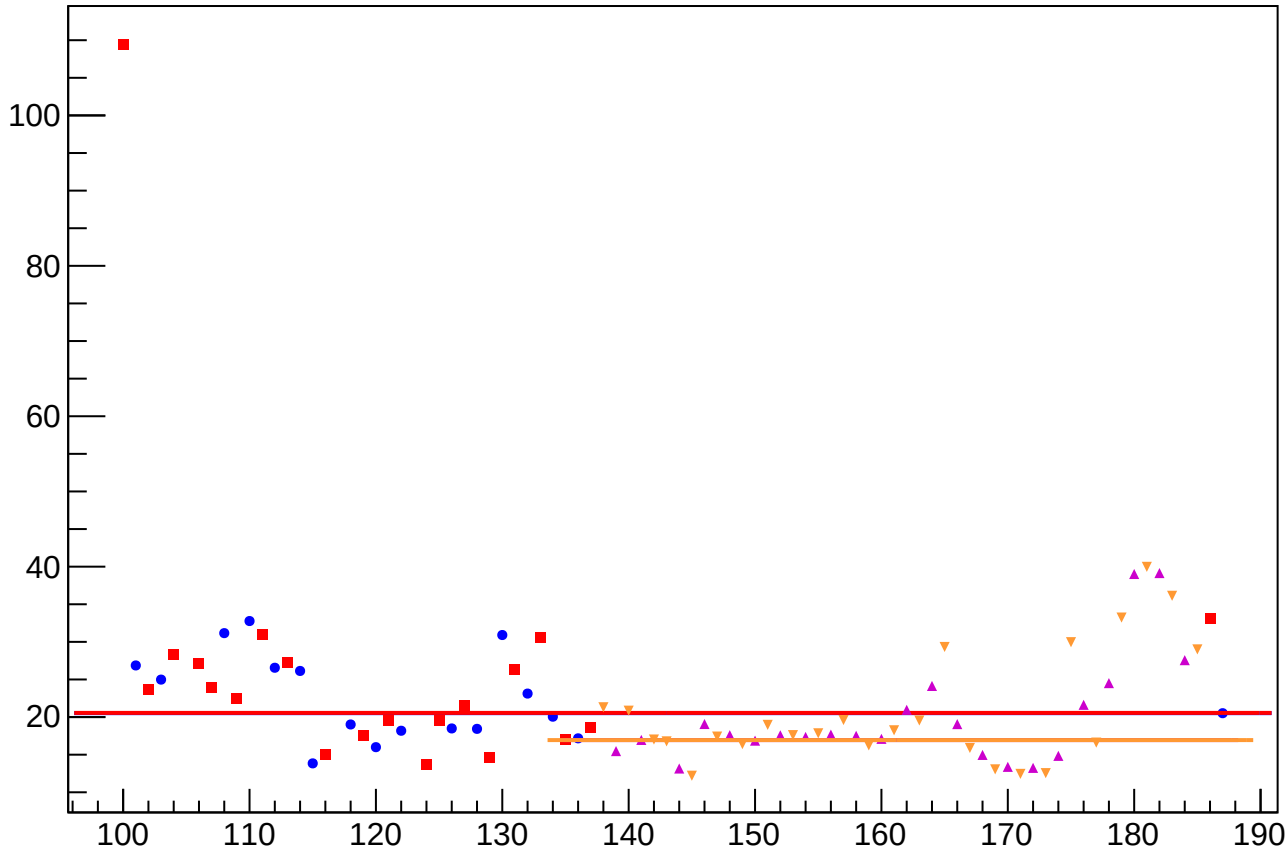
Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

Right: -0.003+/-0.006 χ^2/NDF: 26.4/36

In: -0.004+/-0.004 χ^2/NDF:43.4/39

Out: 0.001+/-0.004 χ^2/NDF:44.4/44

All: -0.001+/-0.003 χ^2/NDF: 89.0/84



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.555+/-0.006 χ^2/NDF: 977247.7/19

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

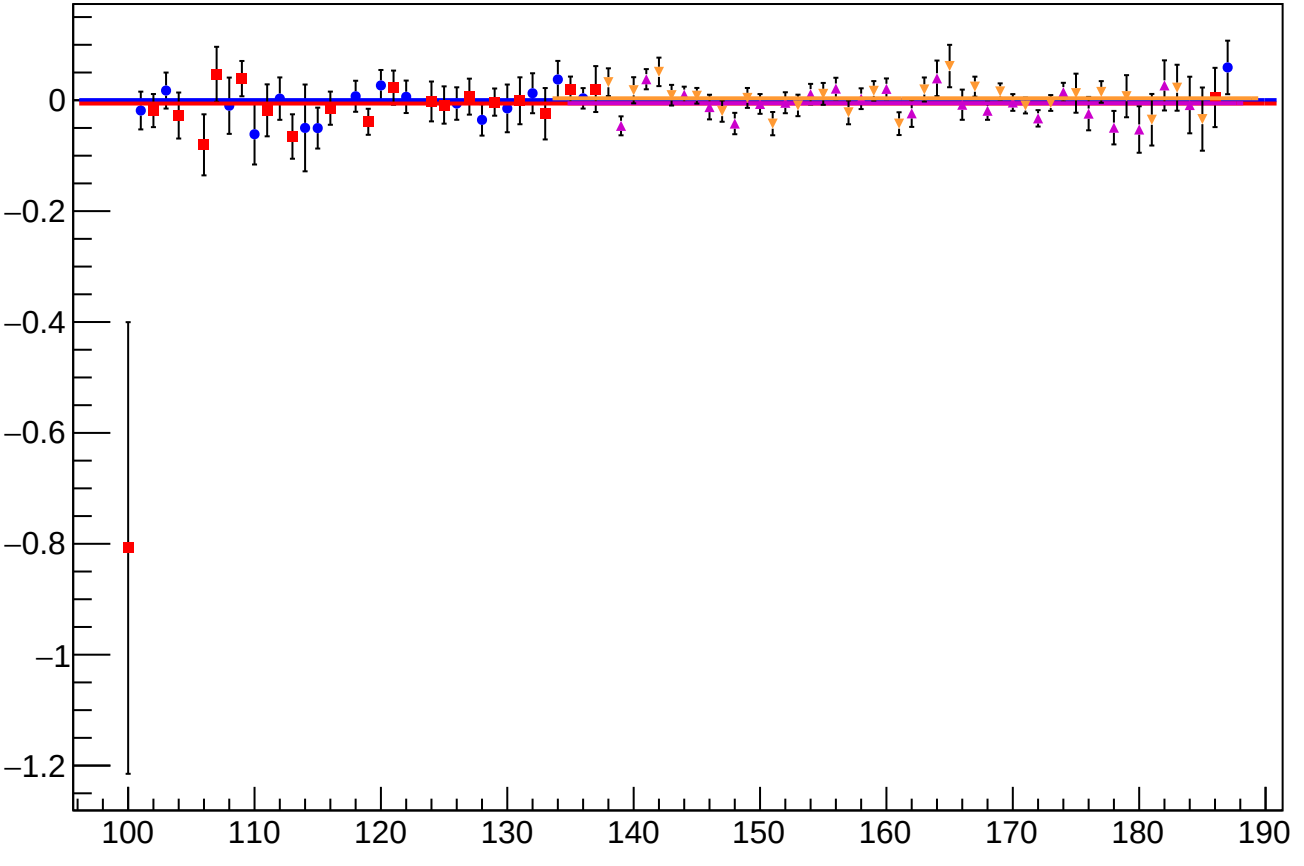
Right: 20.539+/-0.004 χ^2/NDF: 1683264.0/36

In: 17.721+/-0.003 χ^2/NDF:2964952.9/39

Out: 17.719+/-0.003 χ^2/NDF:4151269.2/44

All: 17.720+/-0.002 χ^2/NDF: 7116222.5/84

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

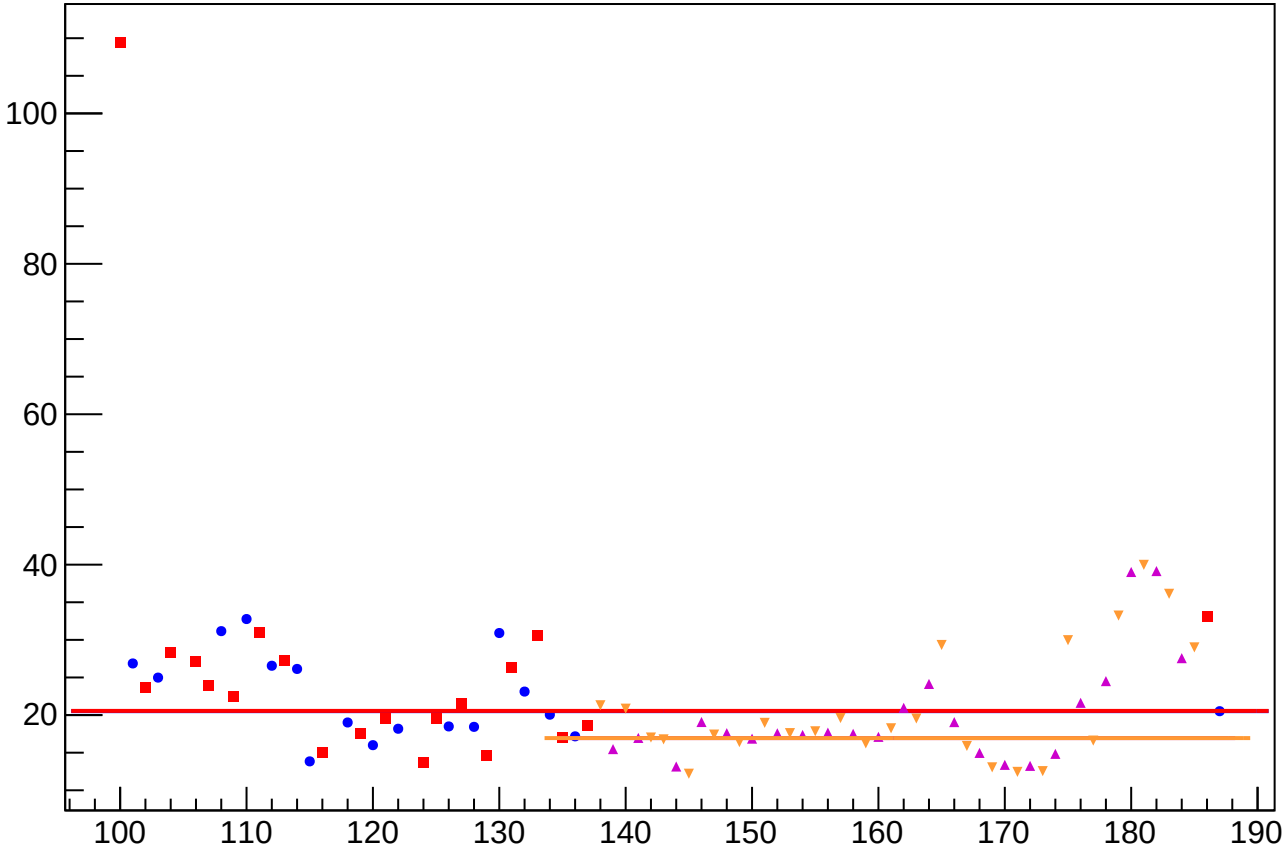
Right: -0.003+/-0.006 χ^2/NDF: 26.4/36

In: -0.004+/-0.004 χ^2/NDF:43.4/39

Out: 0.001+/-0.004 χ^2/NDF:44.4/44

All: -0.001+/-0.003 χ^2/NDF: 89.0/84

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.555+/-0.006 χ^2/NDF: 977247.7/19

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

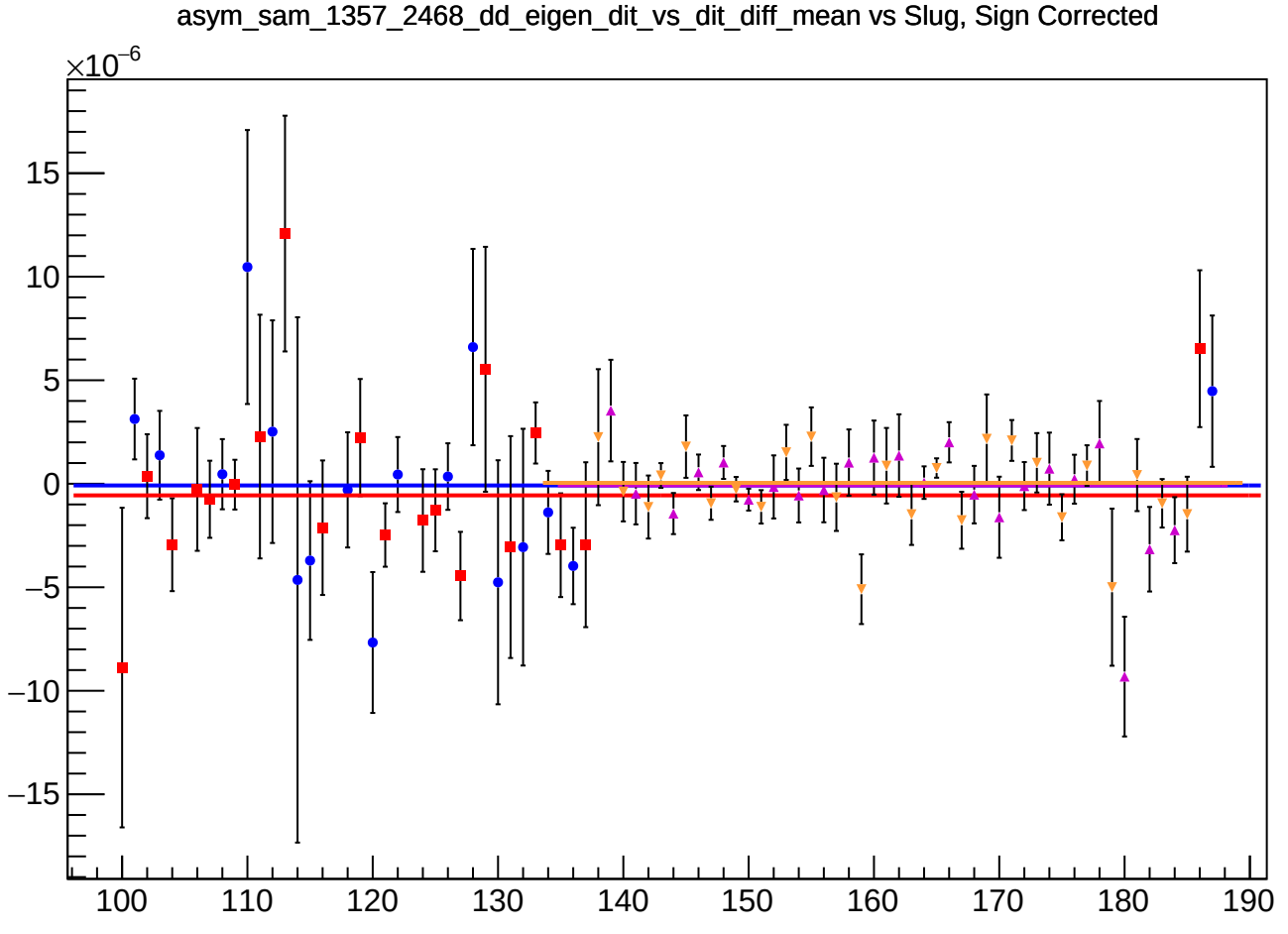
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.539+/-0.004 χ^2/NDF: 1683264.0/36

In: 17.721+/-0.003 χ^2/NDF:2964952.9/39

Out: 17.719+/-0.003 χ^2/NDF:4151269.2/44

All: 17.720+/-0.002 χ^2/NDF: 7116222.5/84



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/19

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

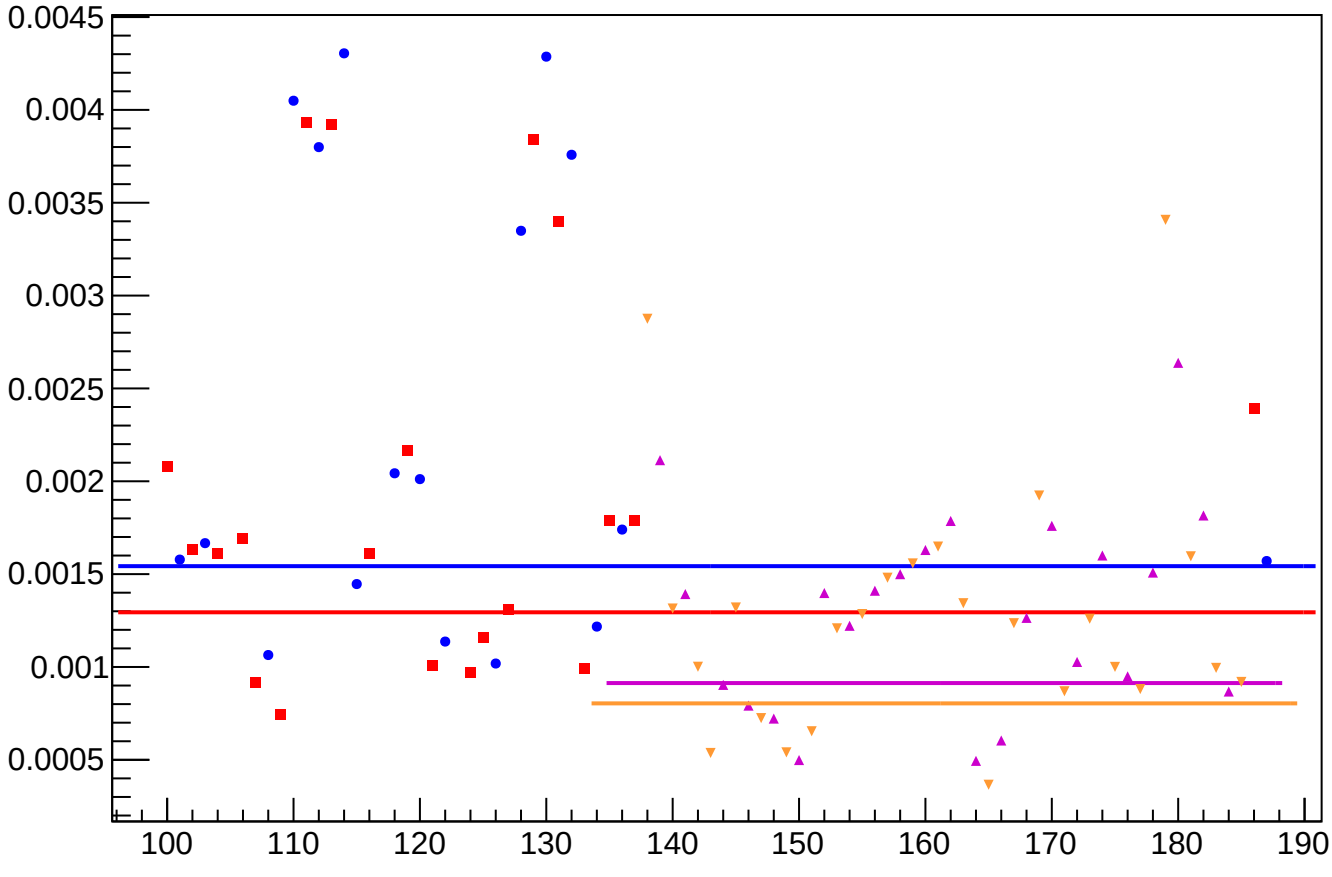
Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

Right: -0.000+/-0.000 χ^2/NDF: 46.4/36

In: -0.000+/-0.000 χ^2/NDF:52.5/39

Out: -0.000+/-0.000 χ^2/NDF:62.9/44

All: -0.000+/-0.000 χ^2/NDF: 115.4/84



Right In: 0.002+/-0.000 χ^2/NDF: 2416922.7/16

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2839026.0/19

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

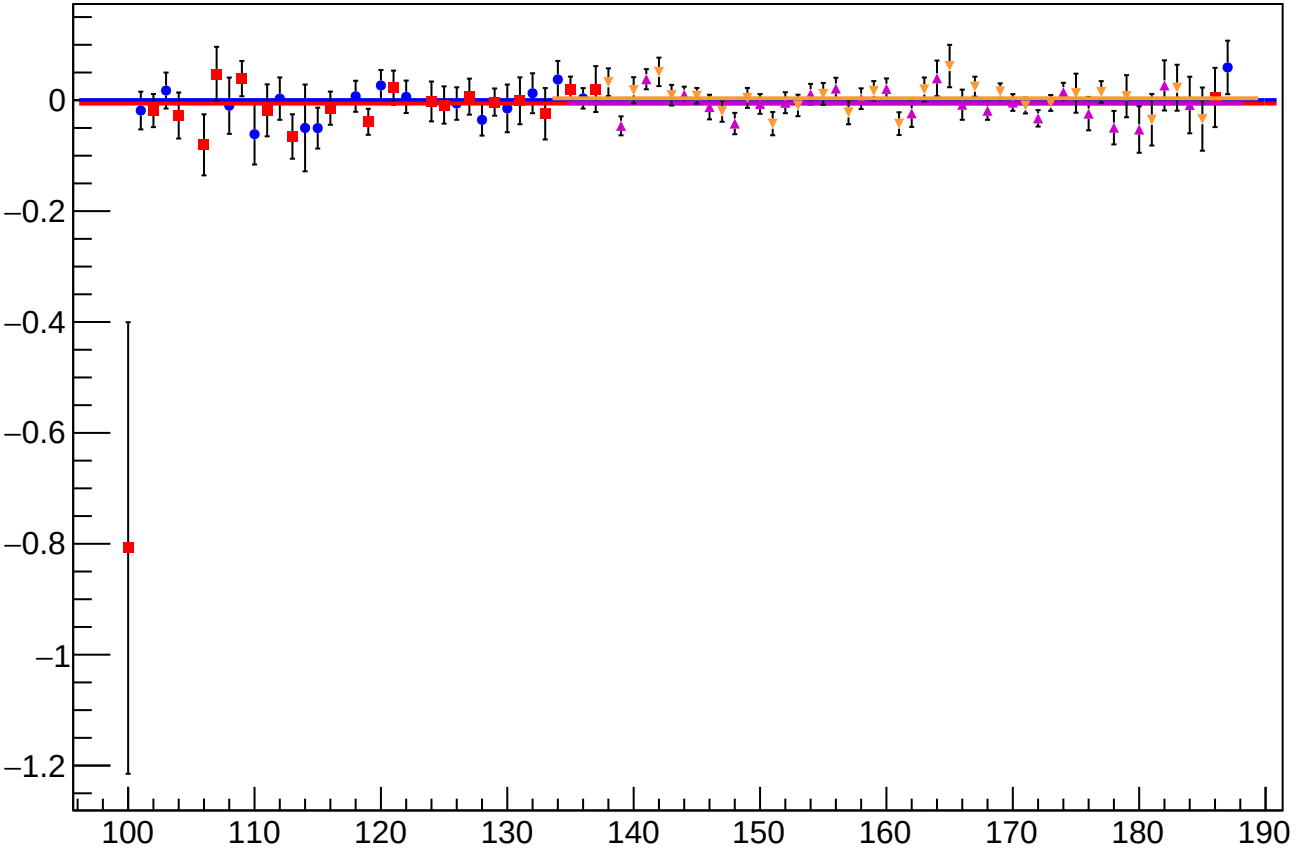
Right: 0.001+/-0.000 χ^2/NDF: 5444201.6/36

In: 0.001+/-0.000 χ^2/NDF:10641250.6/39

Out: 0.001+/-0.000 χ^2/NDF:12636255.0/44

All: 0.001+/-0.000 χ^2/NDF: 23628278.0/84

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

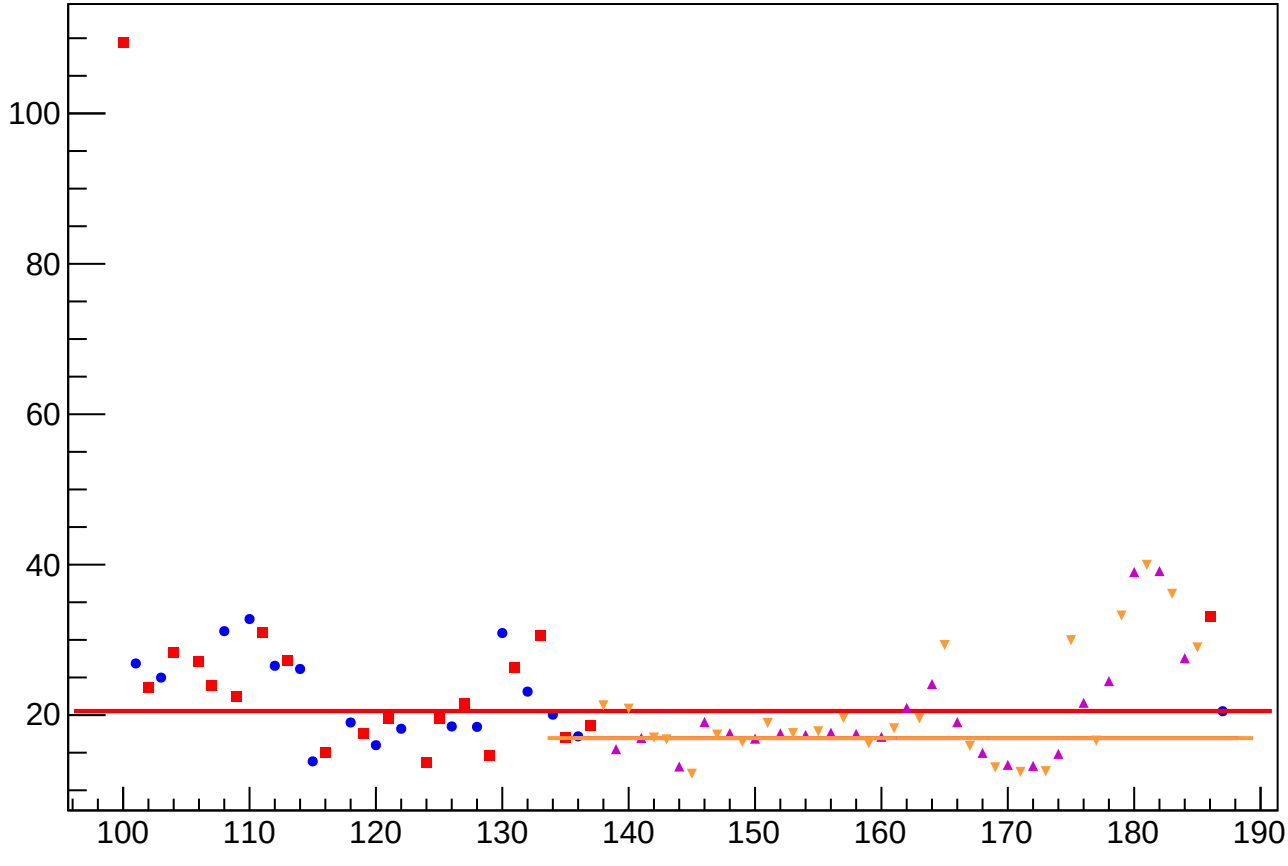
Right: -0.003+/-0.006 χ^2/NDF: 26.4/36

In: -0.004+/-0.004 χ^2/NDF:43.4/39

Out: 0.001+/-0.004 χ^2/NDF:44.4/44

All: -0.001+/-0.003 χ^2/NDF: 89.0/84

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.554+/-0.006 χ^2/NDF: 977272.2/19

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

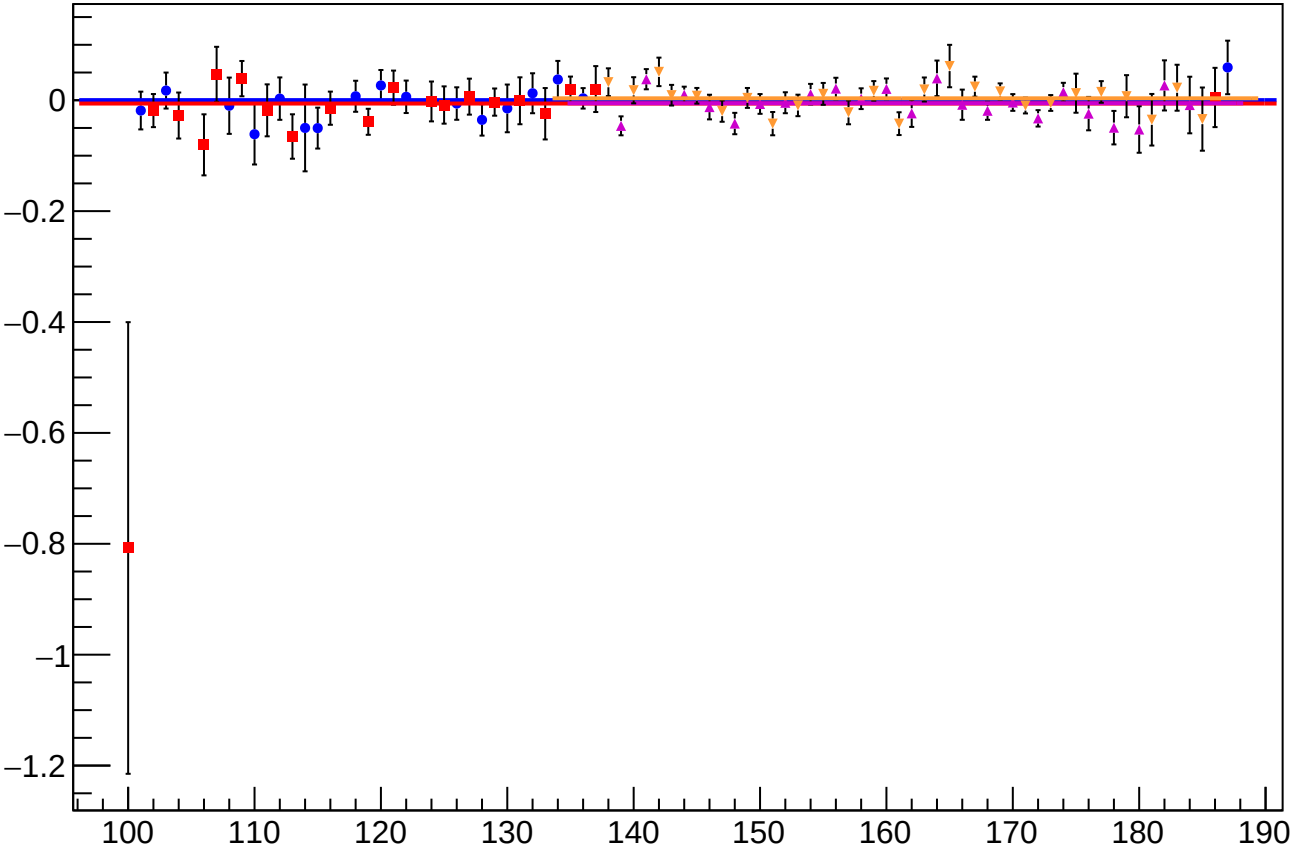
Right: 20.538+/-0.004 χ^2/NDF: 1683166.8/36

In: 17.721+/-0.003 χ^2/NDF:2964717.5/39

Out: 17.719+/-0.003 χ^2/NDF:4151126.1/44

All: 17.720+/-0.002 χ^2/NDF: 7115843.9/84

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

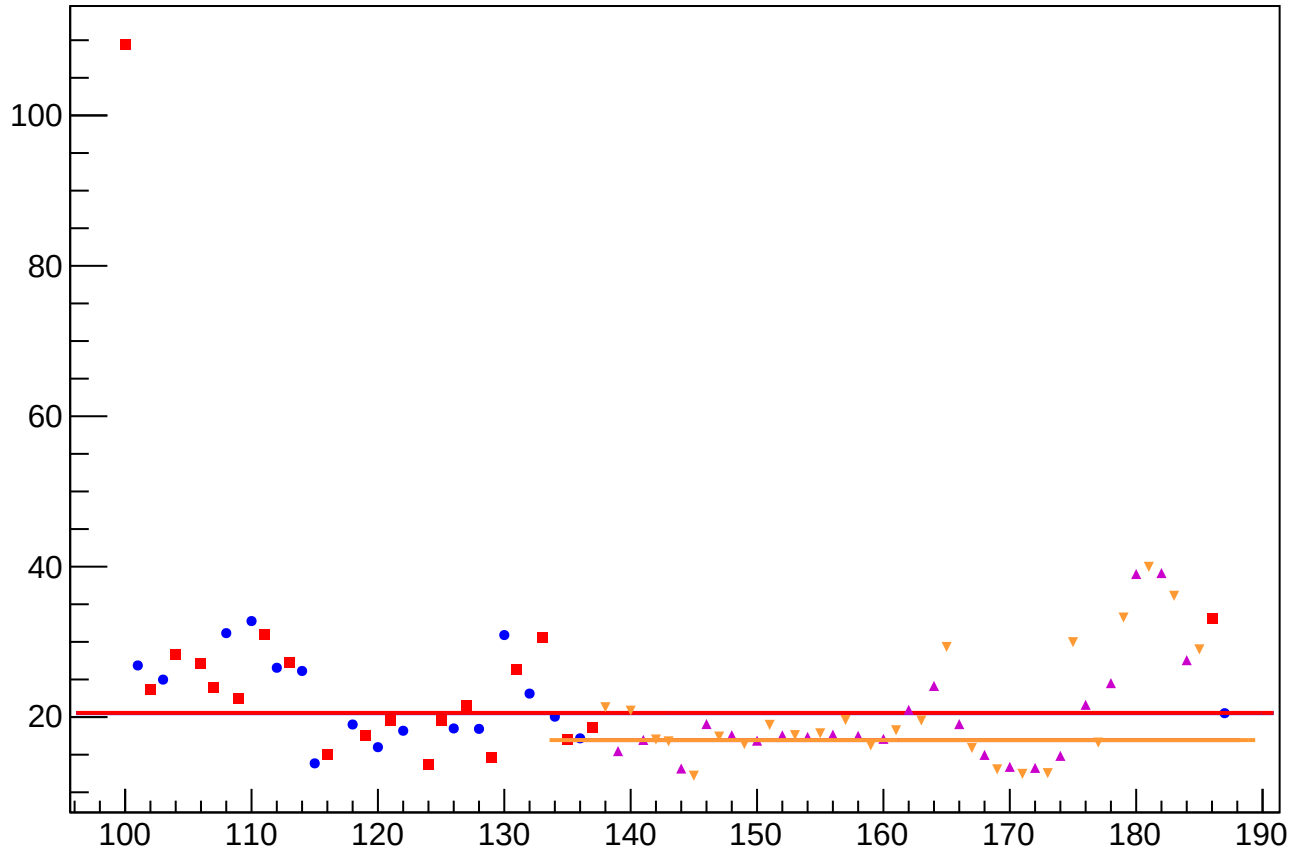
Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

Right: -0.003+/-0.006 χ^2/NDF: 26.4/36

In: -0.004+/-0.004 χ^2/NDF:43.4/39

Out: 0.001+/-0.004 χ^2/NDF:44.4/44

All: -0.001+/-0.003 χ^2/NDF: 89.0/84



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.554+/-0.006 χ^2/NDF: 977272.2/19

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

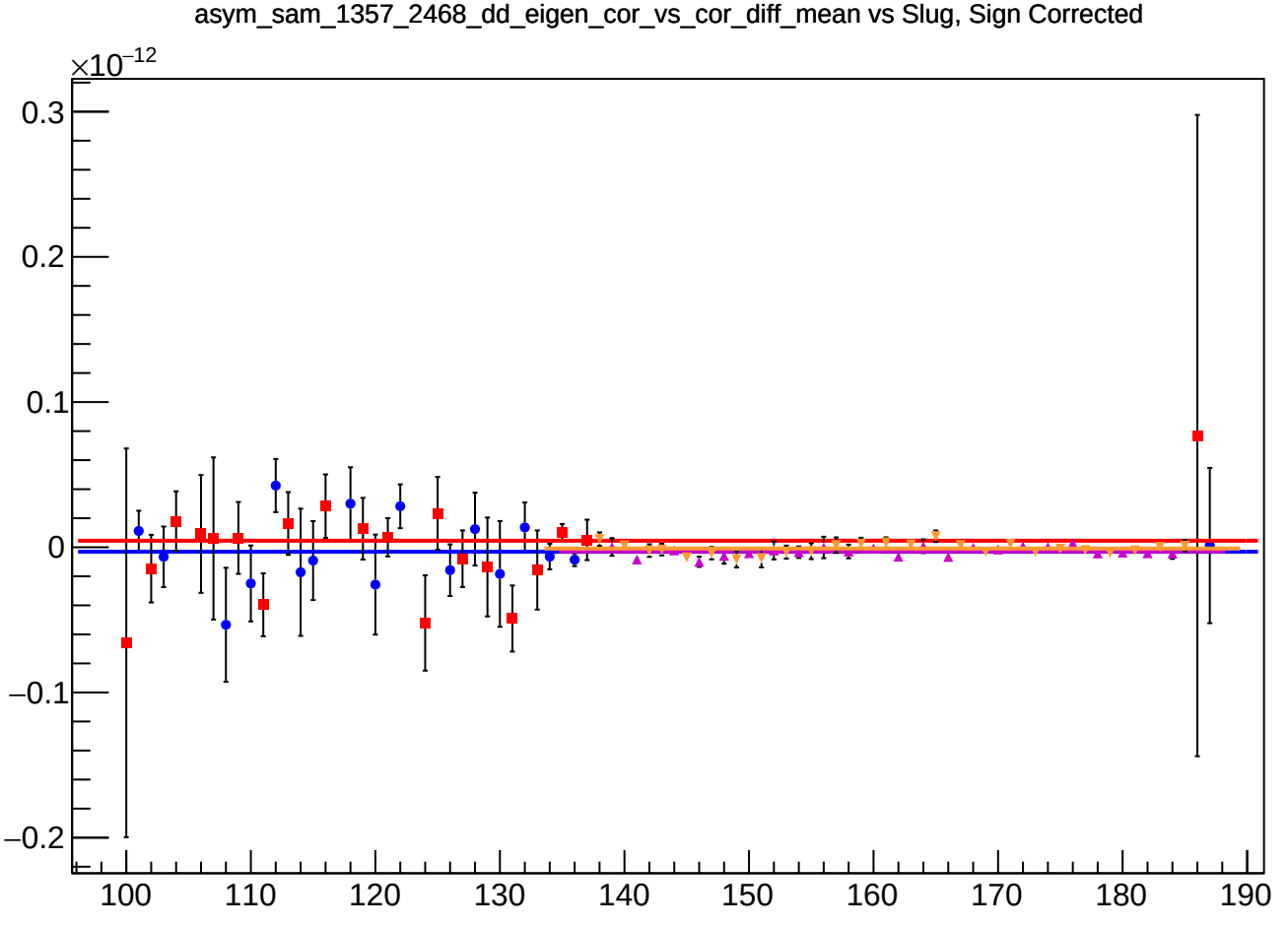
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 20.538+/-0.004 χ^2/NDF: 1683166.8/36

In: 17.721+/-0.003 χ^2/NDF:2964717.5/39

Out: 17.719+/-0.003 χ^2/NDF:4151126.1/44

All: 17.720+/-0.002 χ^2/NDF: 7115843.9/84



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

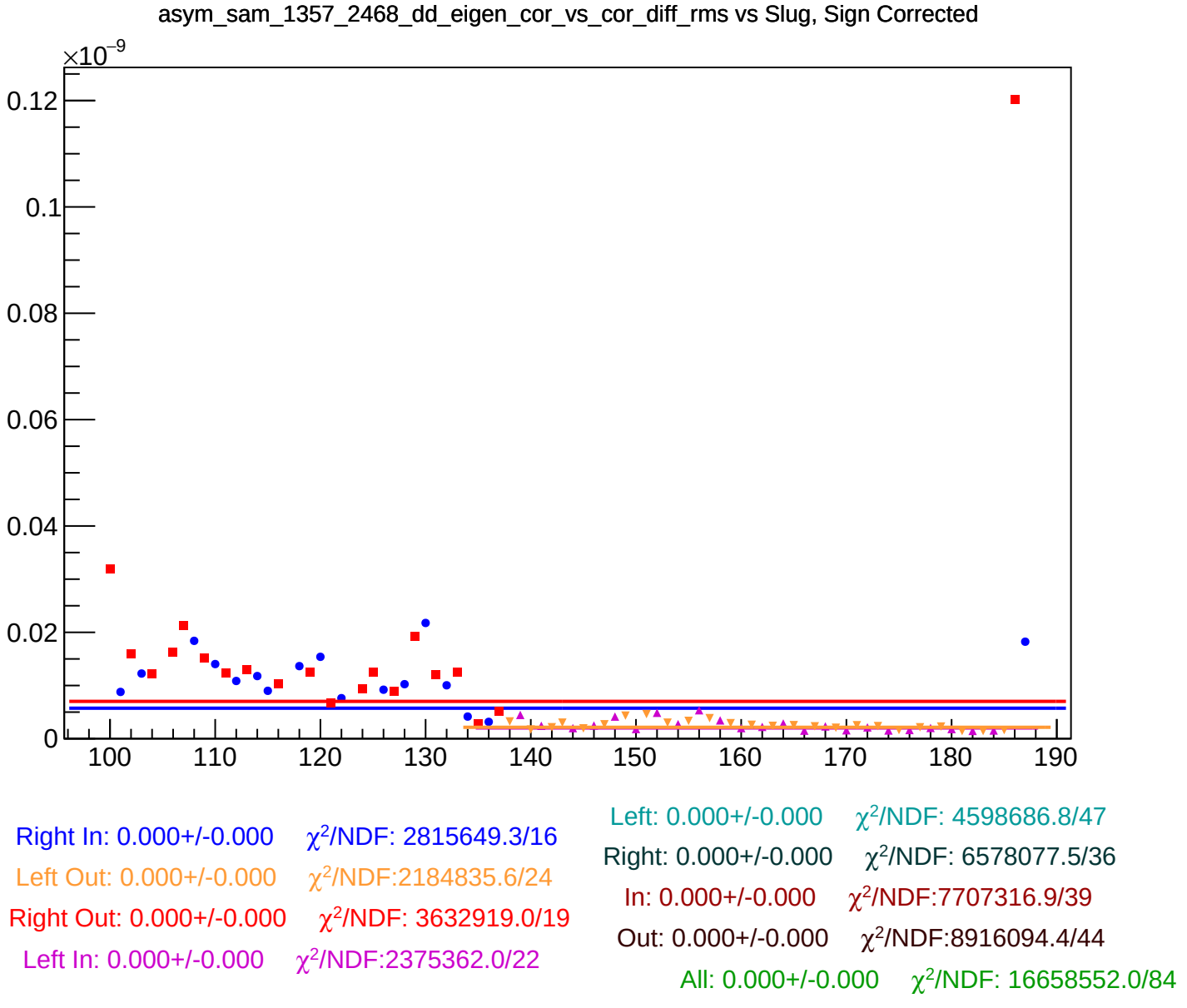
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

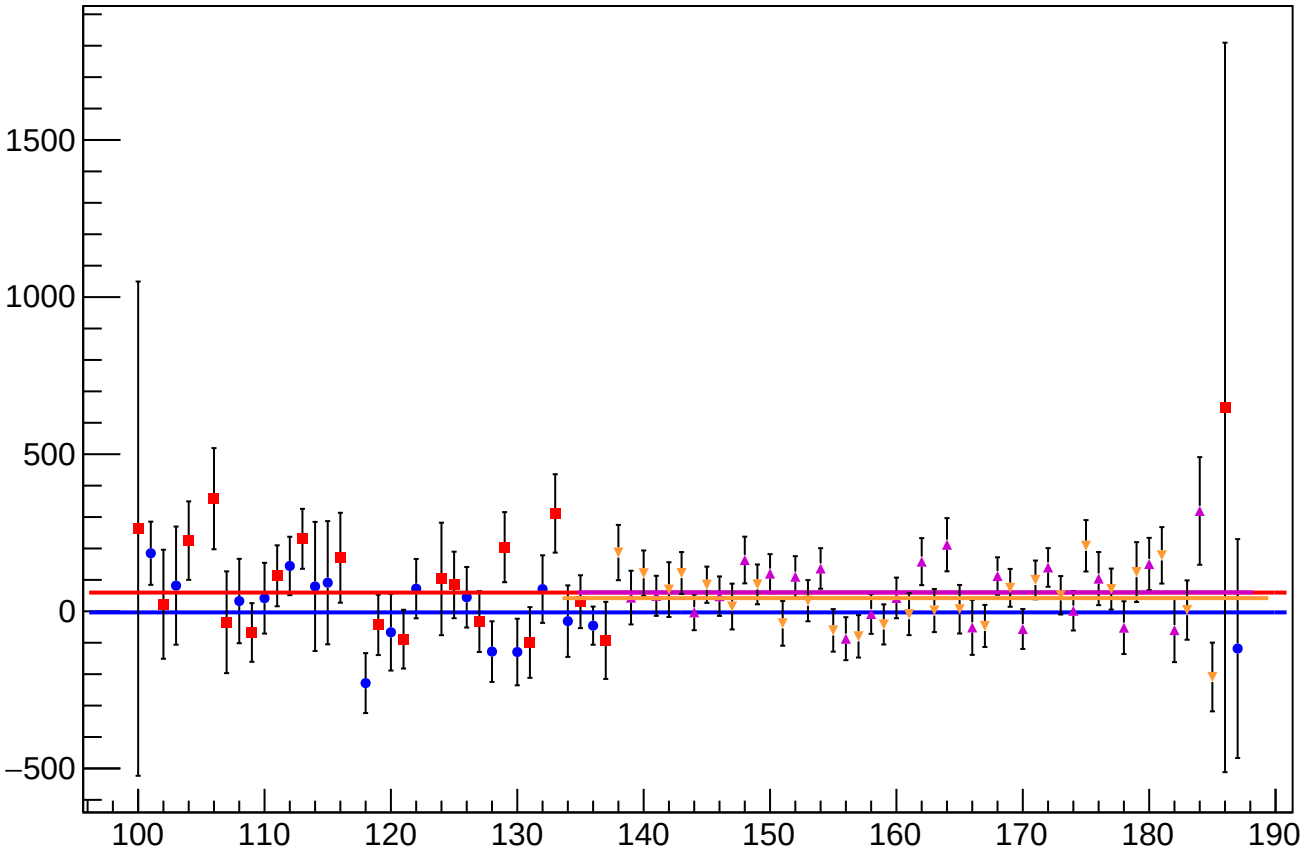
Right: 0.000+/-0.000 χ^2/NDF: 41.0/36

In: -0.000+/-0.000 χ^2/NDF:43.1/39

Out: -0.000+/-0.000 χ^2/NDF:44.2/44

All: -0.000+/-0.000 χ^2/NDF: 93.1/84


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2815649.3/16
Left Out: 0.000+/-0.000 χ²/NDF:2184835.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3632919.0/19
Left In: 0.000+/-0.000 χ²/NDF:2375362.0/22
Left: 0.000+/-0.000 χ²/NDF: 4598686.8/47
Right: 0.000+/-0.000 χ²/NDF: 6578077.5/36
In: 0.000+/-0.000 χ²/NDF:7707316.9/39
Out: 0.000+/-0.000 χ²/NDF:8916094.4/44
All: 0.000+/-0.000 χ²/NDF: 16658552.0/84



Right In: -3.418+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 59.653+/-26.376 χ^2/NDF: 26.0/19

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

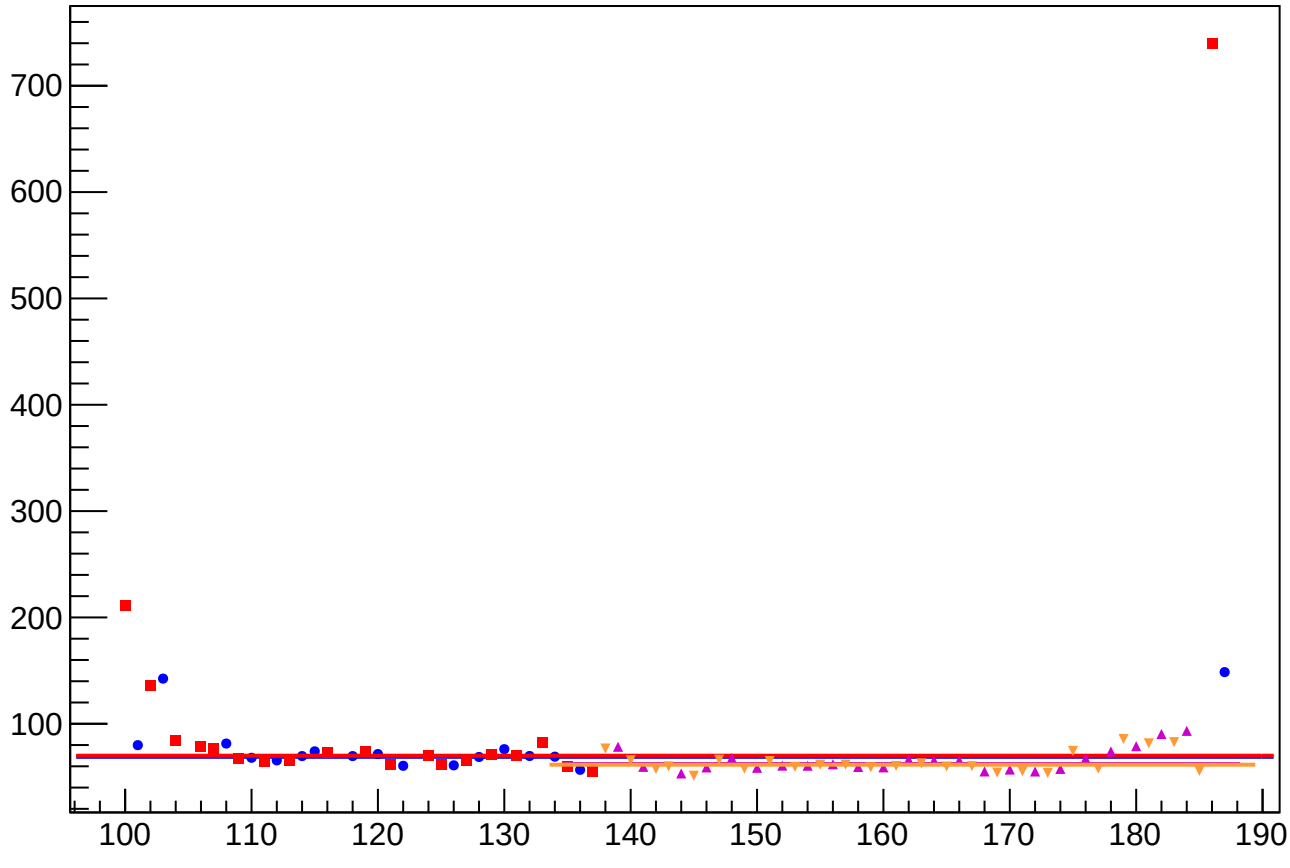
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 27.834+/-18.566 χ^2/NDF: 46.7/36

In: 45.027+/-12.822 χ^2/NDF:54.5/39

Out: 45.968+/-12.490 χ^2/NDF:58.4/44

All: 45.510+/-8.947 χ^2/NDF: 112.9/84



Right In: 68.950+/-0.018 χ^2/NDF: 577017.6/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 69.966+/-0.019 χ^2/NDF: 1186523.5/19

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

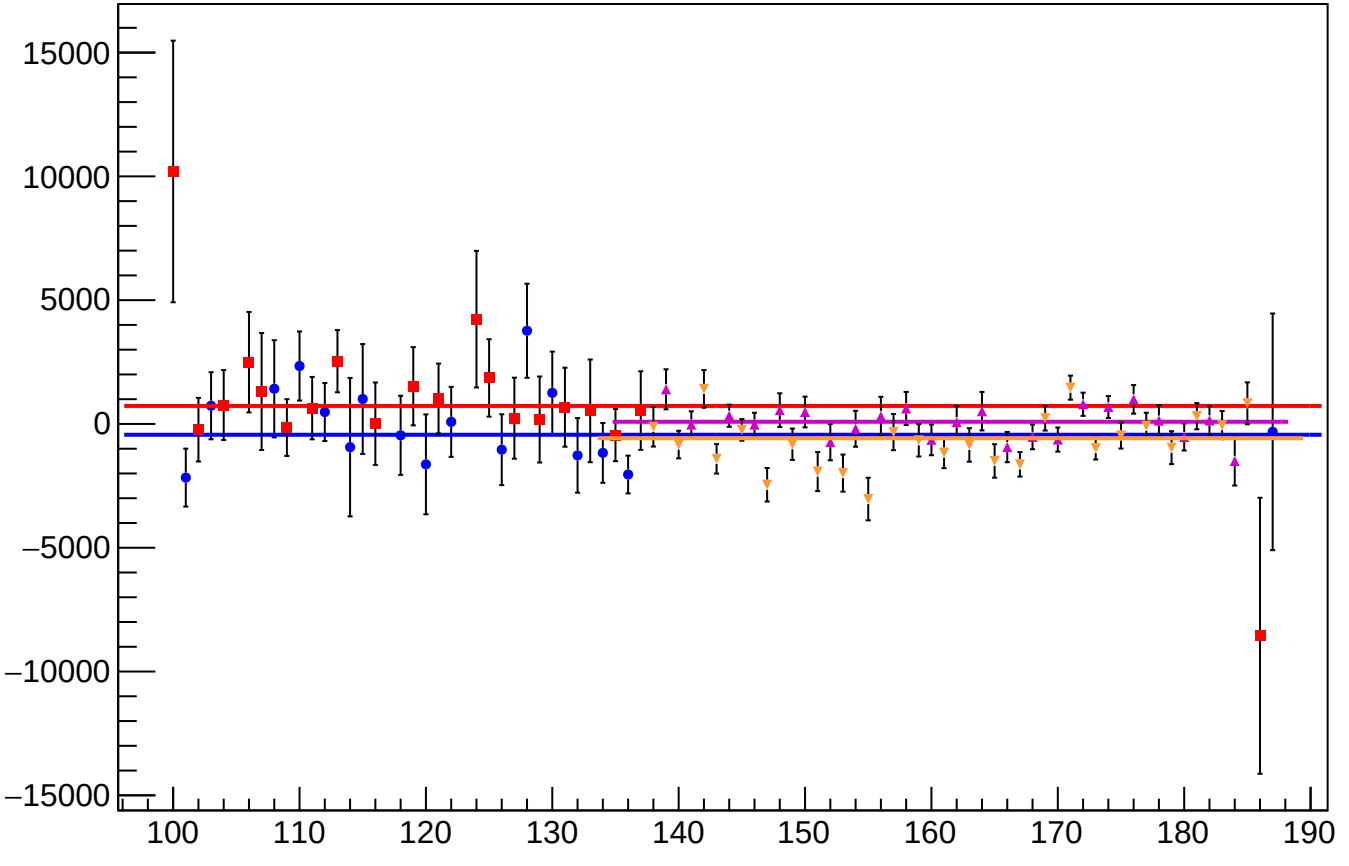
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 69.453+/-0.013 χ^2/NDF: 1765038.7/36

In: 63.782+/-0.009 χ^2/NDF:1276711.7/39

Out: 63.433+/-0.009 χ^2/NDF:1982533.1/44

All: 63.603+/-0.006 χ^2/NDF: 3260006.3/84



Right In: -436.809+/-347.954 χ^2/NDF: 20.6/16

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 728.102+/-352.346 χ^2/NDF: 14.1/19

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

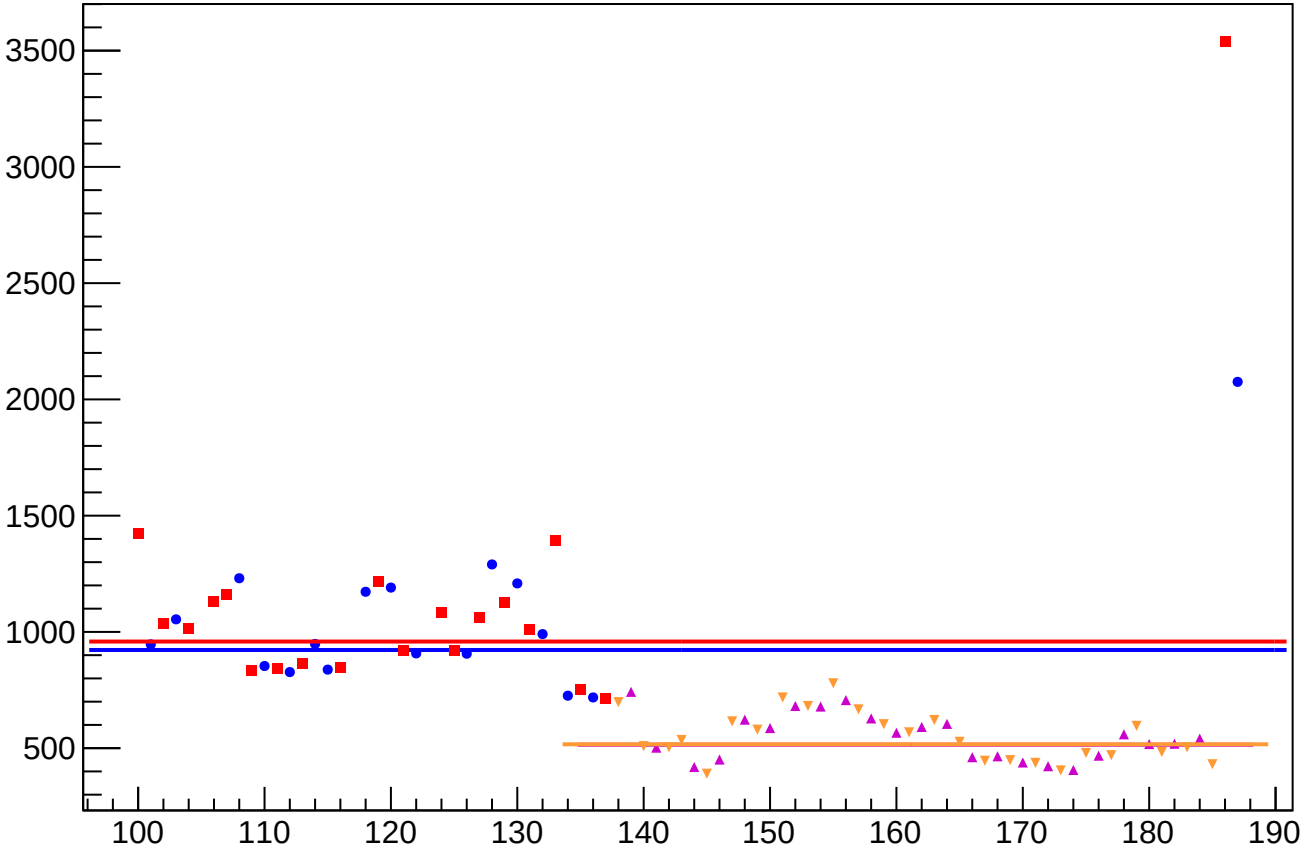
Right: 138.341+/-247.579 χ^2/NDF: 40.2/36

In: 30.429+/-115.542 χ^2/NDF:47.2/39

Out: -439.932+/-113.369 χ^2/NDF:95.2/44

All: -209.216+/-80.921 χ^2/NDF: 150.8/84

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 922.314+/-0.246 χ^2/NDF: 626161.6/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 958.585+/-0.249 χ^2/NDF: 845424.2/19

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

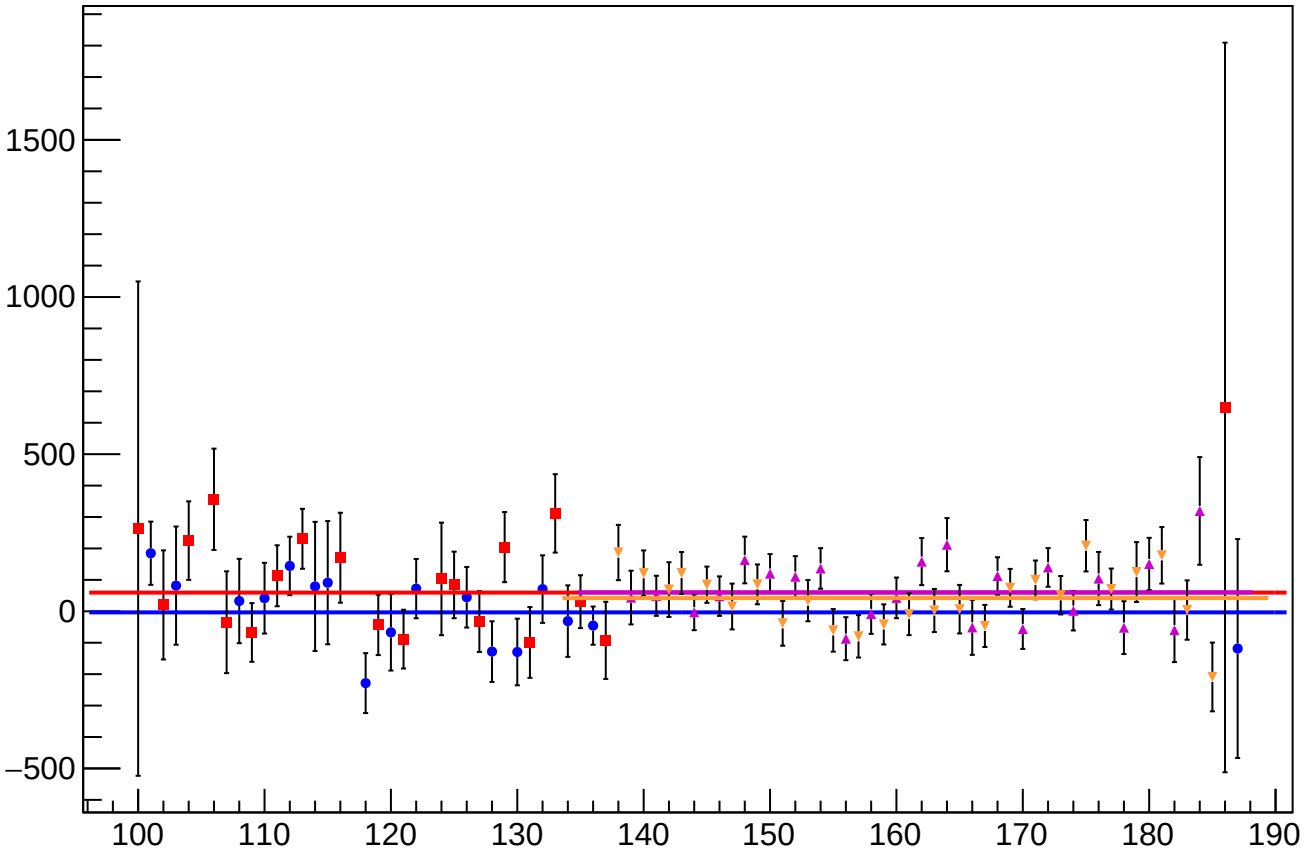
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

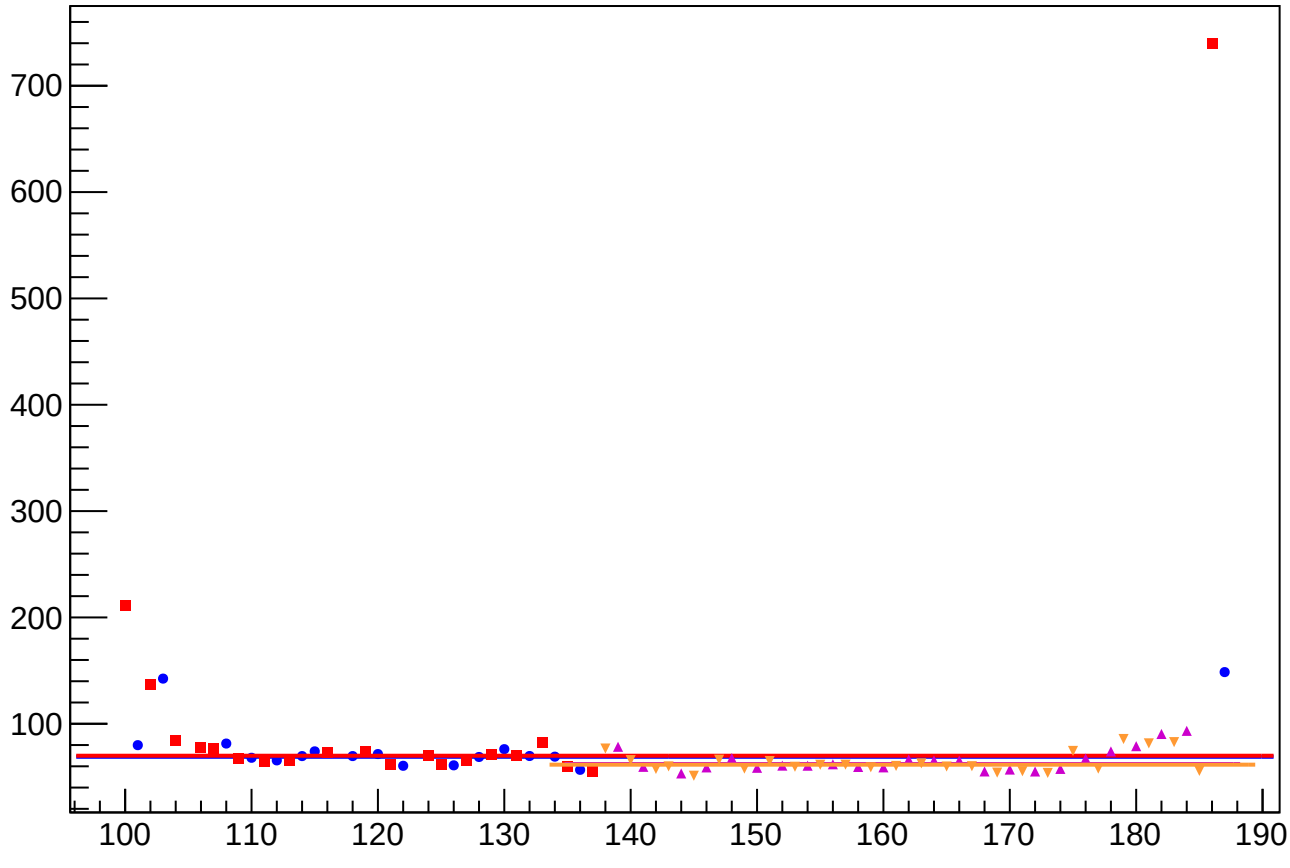
Right: 940.222+/-0.175 χ^2/NDF: 1482315.6/36

In: 559.717+/-0.082 χ^2/NDF:4187631.3/39

Out: 562.389+/-0.080 χ^2/NDF:4931398.8/44

All: 561.078+/-0.057 χ^2/NDF: 9119574.7/84


cor_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
180
190
Right In: -3.425+/-26.139 χ²/NDF: 17.8/16
Left Out: 42.017+/-14.181 χ²/NDF:32.0/24
Right Out: 59.531+/-26.377 χ²/NDF: 25.9/19
Left In: 60.376+/-14.714 χ²/NDF:32.2/22
Left: 50.858+/-10.211 χ²/NDF: 65.0/47
Right: 27.768+/-18.567 χ²/NDF: 46.6/36
In: 45.025+/-12.822 χ²/NDF:54.5/39
Out: 45.944+/-12.490 χ²/NDF:58.3/44
All: 45.497+/-8.947 χ²/NDF: 112.8/84



Right In: 68.950+/-0.018 χ^2/NDF: 577020.7/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 69.946+/-0.019 χ^2/NDF: 1185946.8/19

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

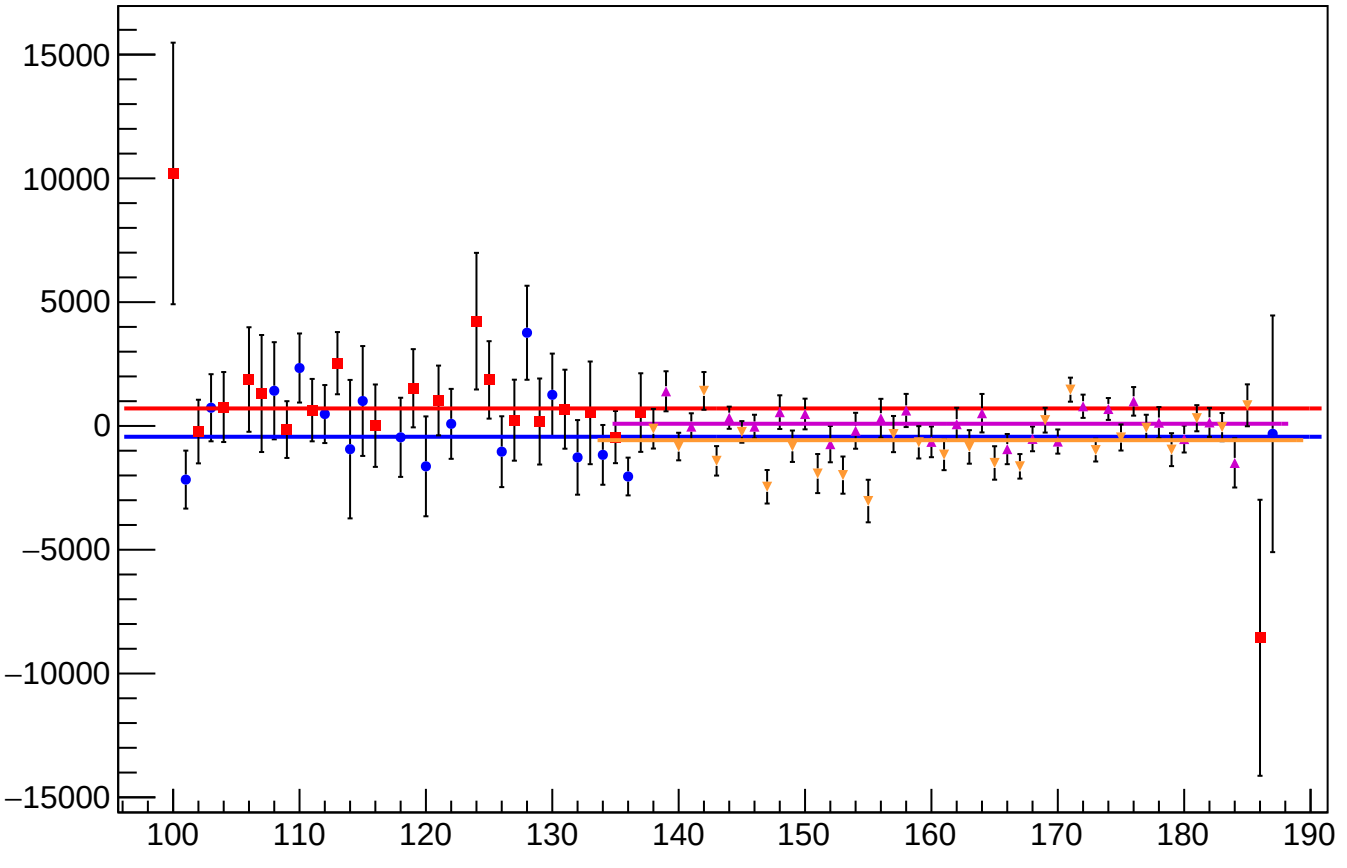
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 69.444+/-0.013 χ^2/NDF: 1764408.9/36

In: 63.782+/-0.009 χ^2/NDF:1276714.7/39

Out: 63.428+/-0.009 χ^2/NDF:1981225.5/44

All: 63.600+/-0.006 χ^2/NDF: 3258721.1/84



Right In: -436.780+/-347.956 χ^2/NDF: 20.6/16

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 707.141+/-352.780 χ^2/NDF: 13.6/19

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

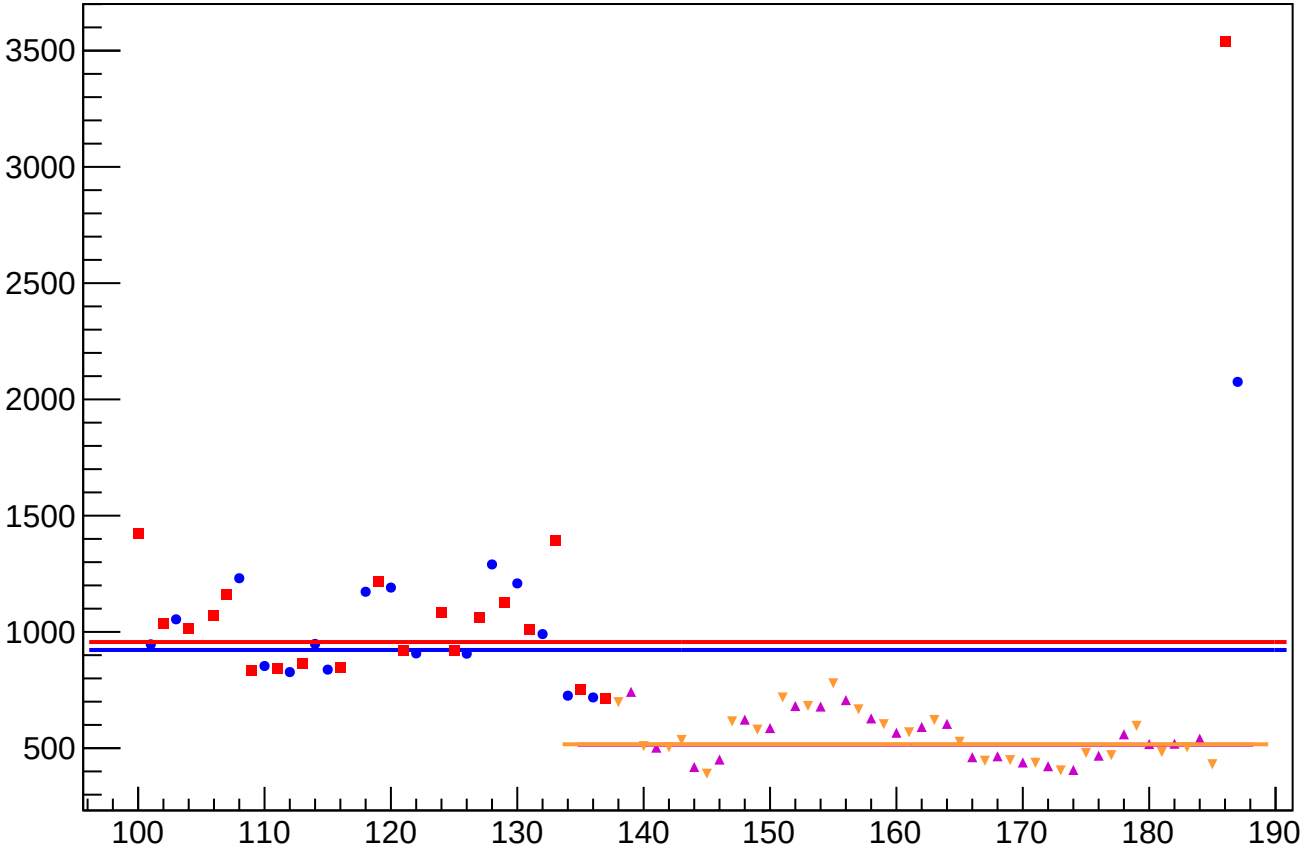
Right: 127.306+/-247.730 χ^2/NDF: 39.5/36

In: 30.433+/-115.542 χ^2/NDF:47.2/39

Out: -442.388+/-113.383 χ^2/NDF:94.3/44

All: -210.436+/-80.927 χ^2/NDF: 150.0/84

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 922.318+/-0.246 χ^2/NDF: 626183.5/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 956.476+/-0.249 χ^2/NDF: 836351.0/19

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

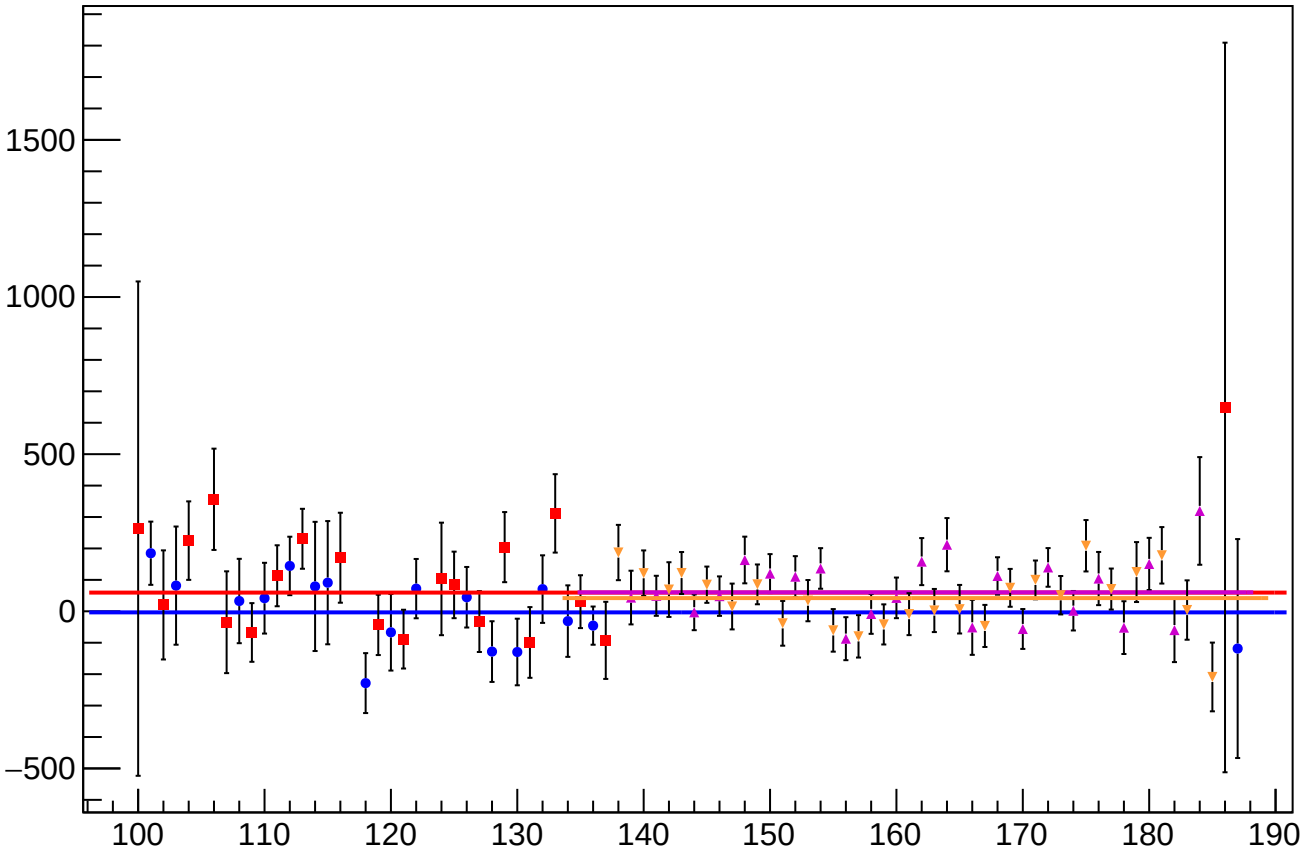
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 939.162+/-0.175 χ^2/NDF: 1472038.8/36

In: 559.718+/-0.082 χ^2/NDF:4187673.5/39

Out: 562.070+/-0.080 χ^2/NDF:4889324.9/44

All: 560.916+/-0.057 χ^2/NDF: 9077420.8/84



Right In: -3.425+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 59.531+/-26.377 χ^2/NDF: 25.9/19

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

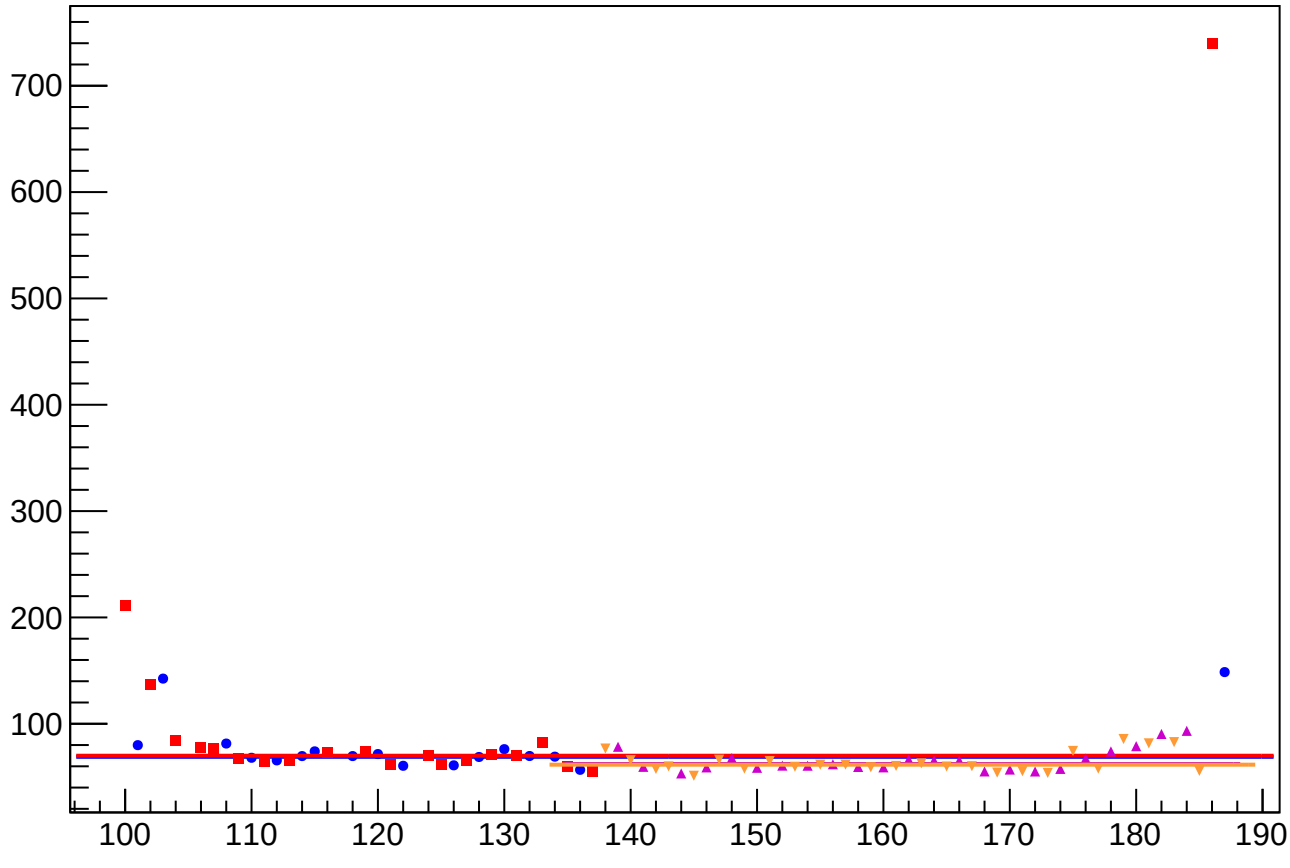
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 27.768+/-18.567 χ^2/NDF: 46.6/36

In: 45.025+/-12.822 χ^2/NDF:54.5/39

Out: 45.944+/-12.490 χ^2/NDF:58.3/44

All: 45.497+/-8.947 χ^2/NDF: 112.8/84



Right In: 68.950+/-0.018 χ^2/NDF: 577020.7/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 69.946+/-0.019 χ^2/NDF: 1185946.8/19

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

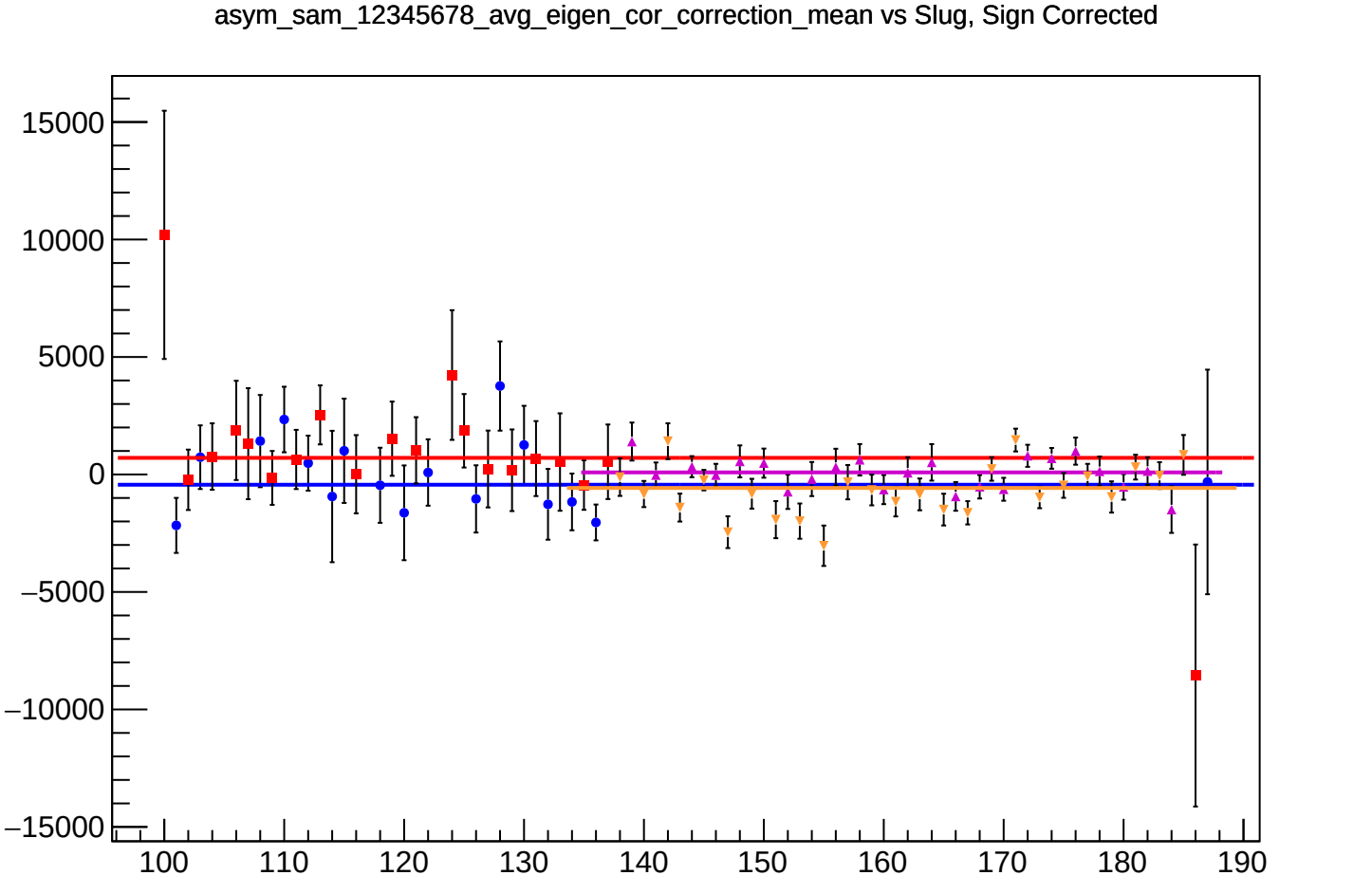
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 69.444+/-0.013 χ^2/NDF: 1764408.9/36

In: 63.782+/-0.009 χ^2/NDF:1276714.7/39

Out: 63.428+/-0.009 χ^2/NDF:1981225.5/44

All: 63.600+/-0.006 χ^2/NDF: 3258721.1/84



Right In: -436.780+/-347.956 χ^2/NDF: 20.6/16

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 707.141+/-352.780 χ^2/NDF: 13.6/19

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

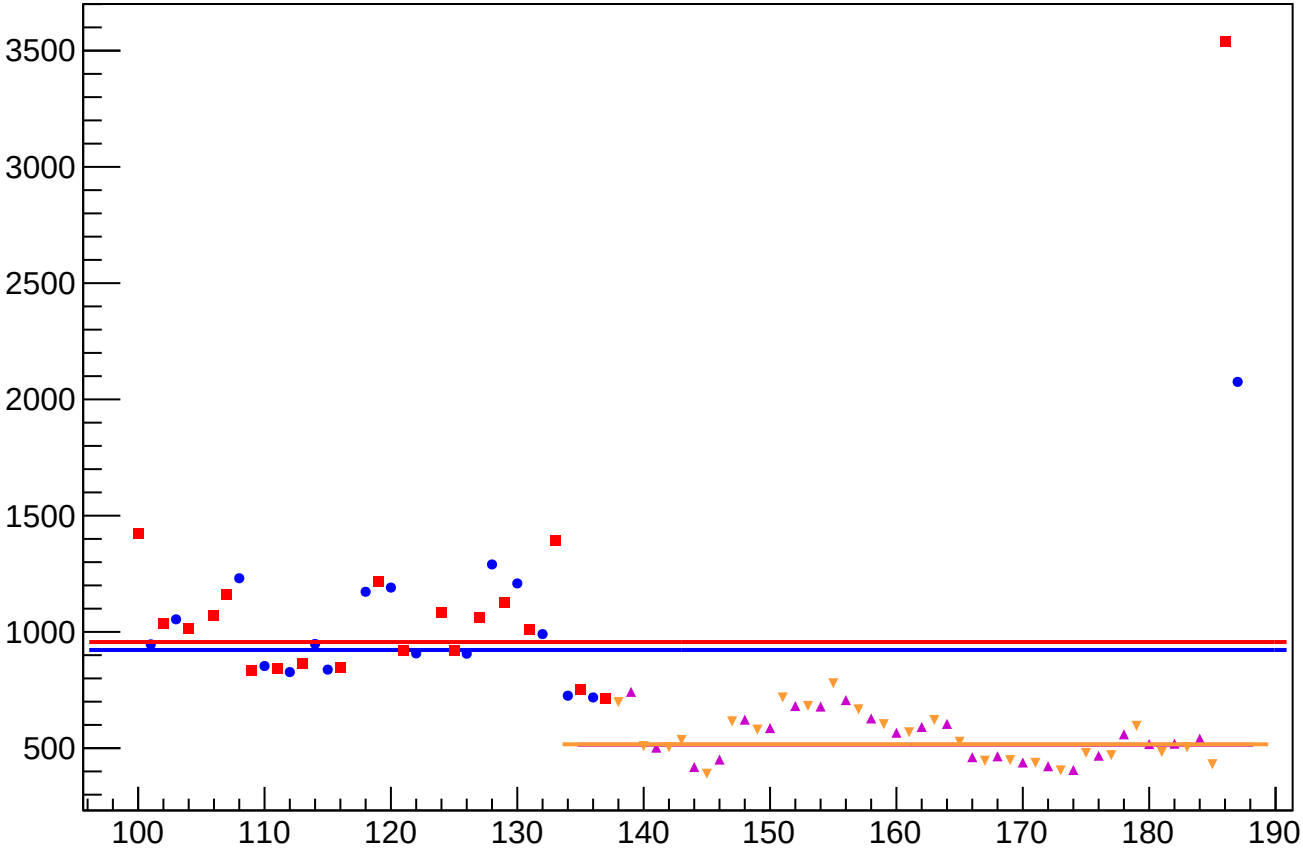
Right: 127.306+/-247.730 χ^2/NDF: 39.5/36

In: 30.433+/-115.542 χ^2/NDF:47.2/39

Out: -442.388+/-113.383 χ^2/NDF:94.3/44

All: -210.436+/-80.927 χ^2/NDF: 150.0/84

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 922.318+/-0.246 χ^2/NDF: 626183.5/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 956.476+/-0.249 χ^2/NDF: 836351.0/19

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

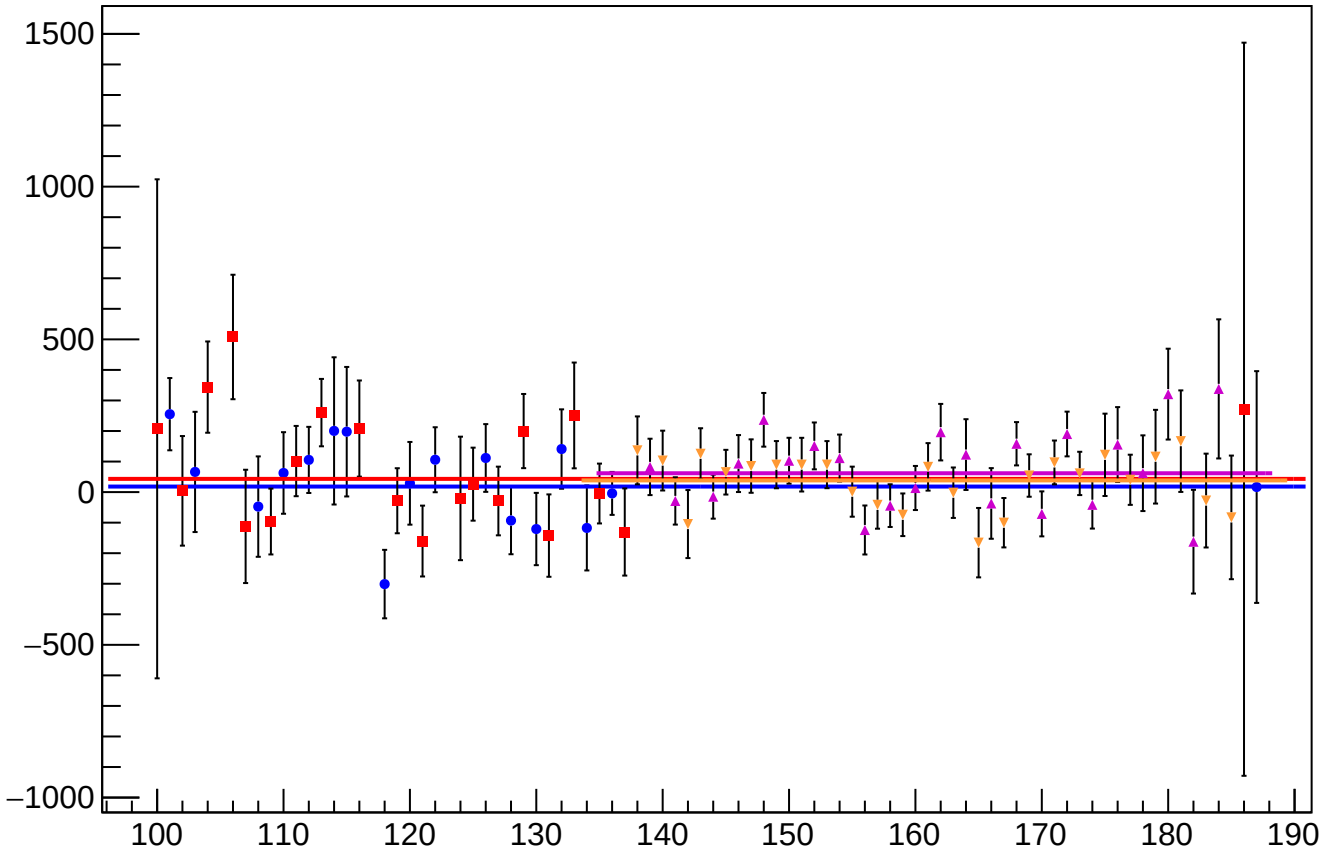
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 939.162+/-0.175 χ^2/NDF: 1472038.8/36

In: 559.718+/-0.082 χ^2/NDF:4187673.5/39

Out: 562.070+/-0.080 χ^2/NDF:4889324.9/44

All: 560.916+/-0.057 χ^2/NDF: 9077420.8/84



Right In: 18.165+/-30.250 χ^2/NDF: 20.1/16

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 43.295+/-30.697 χ^2/NDF: 27.8/19

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

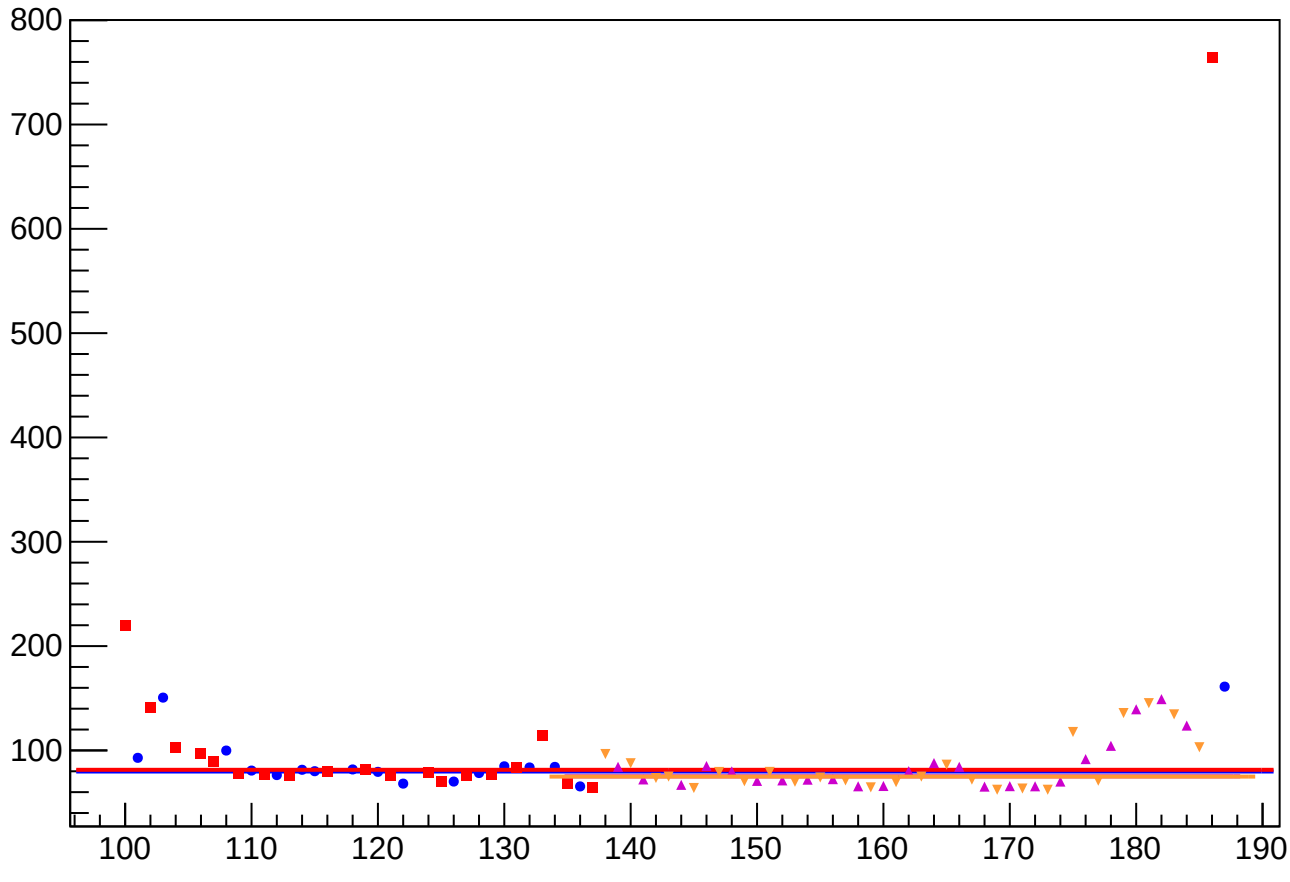
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 30.546+/-21.546 χ^2/NDF: 48.2/36

In: 50.154+/-15.590 χ^2/NDF:58.4/39

Out: 39.529+/-15.314 χ^2/NDF:46.6/44

All: 44.747+/-10.925 χ^2/NDF: 105.2/84



Right In: 79.784+/-0.021 χ^2/NDF: 537529.9/16

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 81.405+/-0.022 χ^2/NDF: 1162060.1/19

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

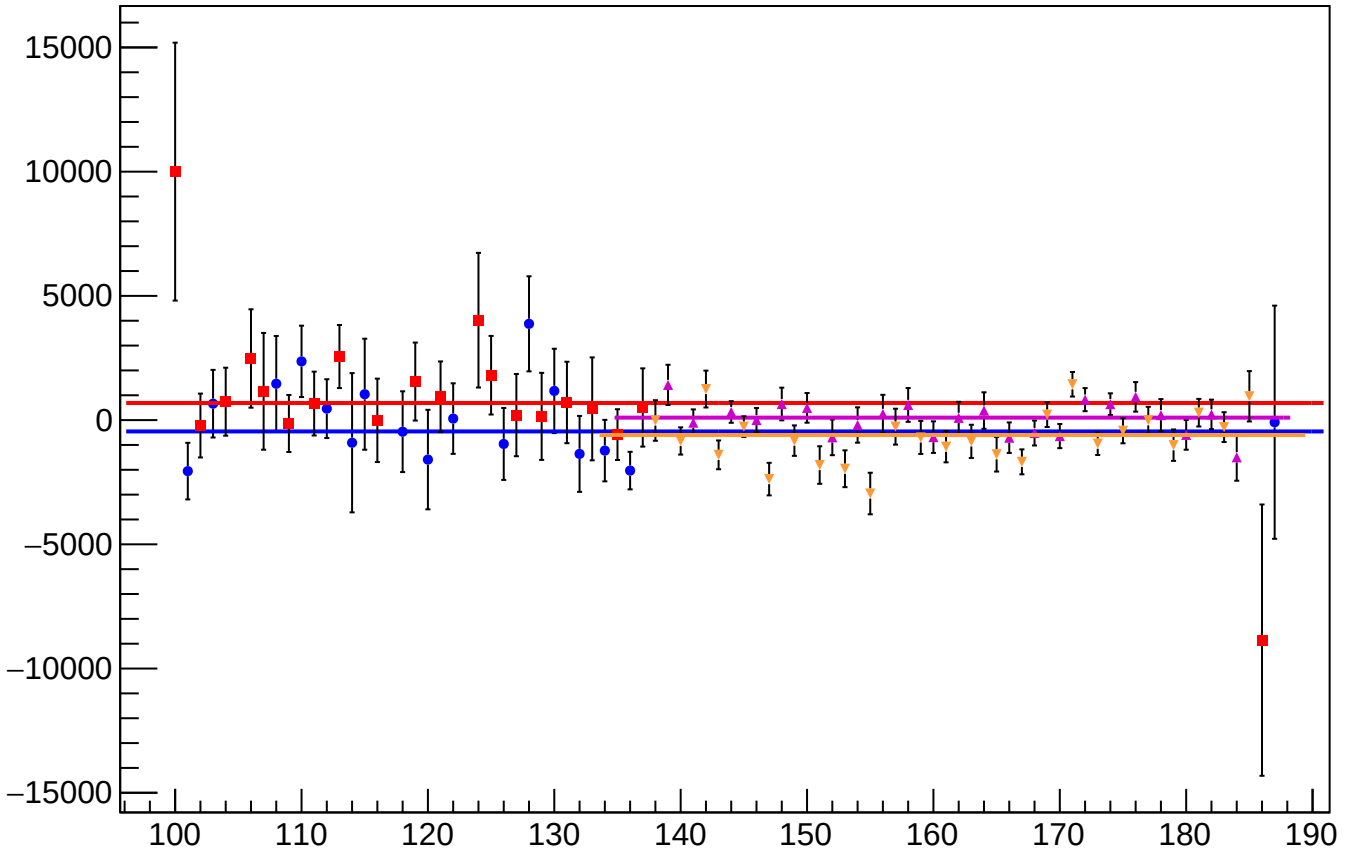
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 80.583+/-0.015 χ^2/NDF: 1702421.9/36

In: 76.385+/-0.011 χ^2/NDF:1884454.3/39

Out: 76.521+/-0.011 χ^2/NDF:2891023.4/44

All: 76.454+/-0.008 χ^2/NDF: 4775555.4/84



Right In: -456.045+/-349.105 χ^2/NDF: 20.3/16

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 688.946+/-351.841 χ^2/NDF: 14.6/19

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

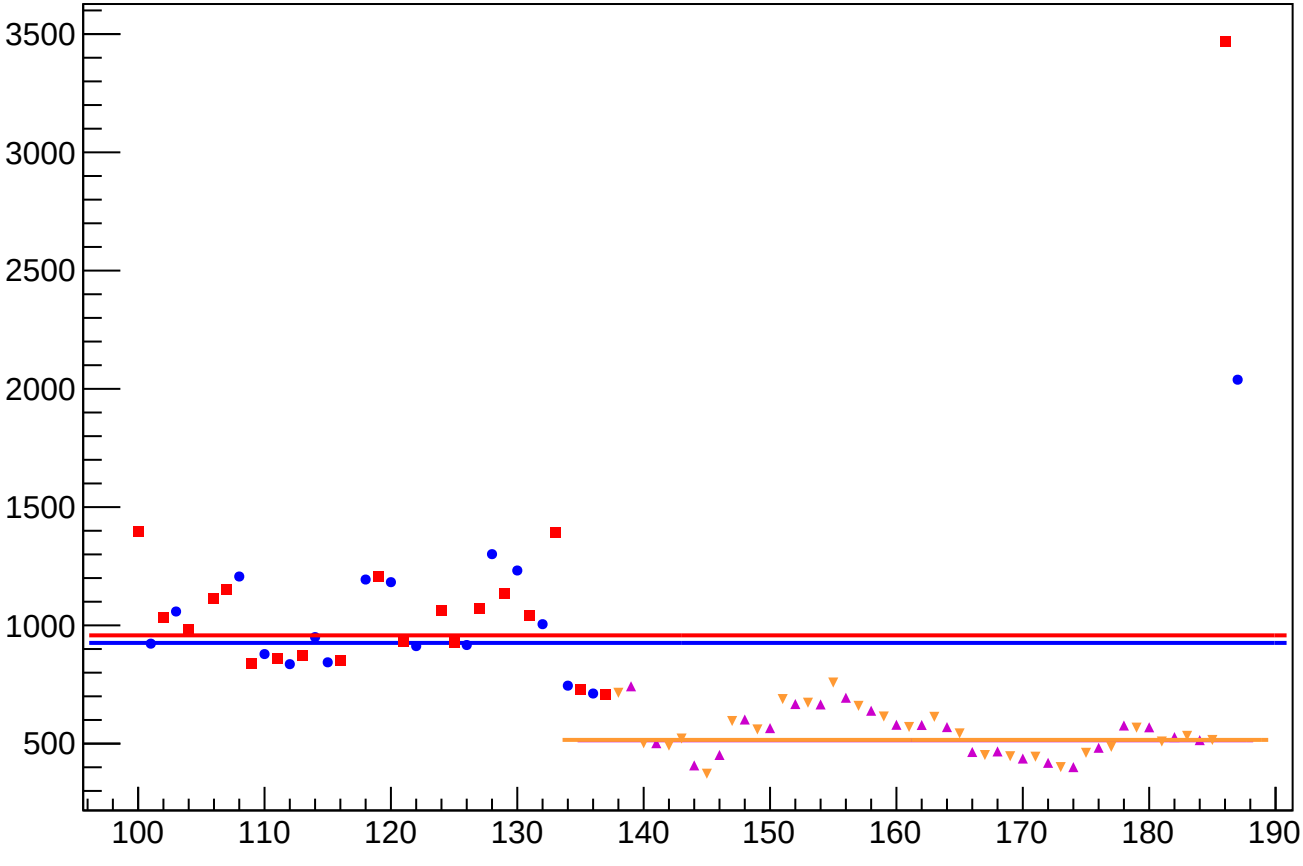
Right: 111.981+/-247.816 χ^2/NDF: 40.2/36

In: 38.409+/-115.431 χ^2/NDF:46.2/39

Out: -465.990+/-113.002 χ^2/NDF:91.7/44

All: -219.153+/-80.750 χ^2/NDF: 147.6/84

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 925.832+/-0.247 χ^2/NDF: 628555.7/16

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 957.740+/-0.249 χ^2/NDF: 850168.8/19

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

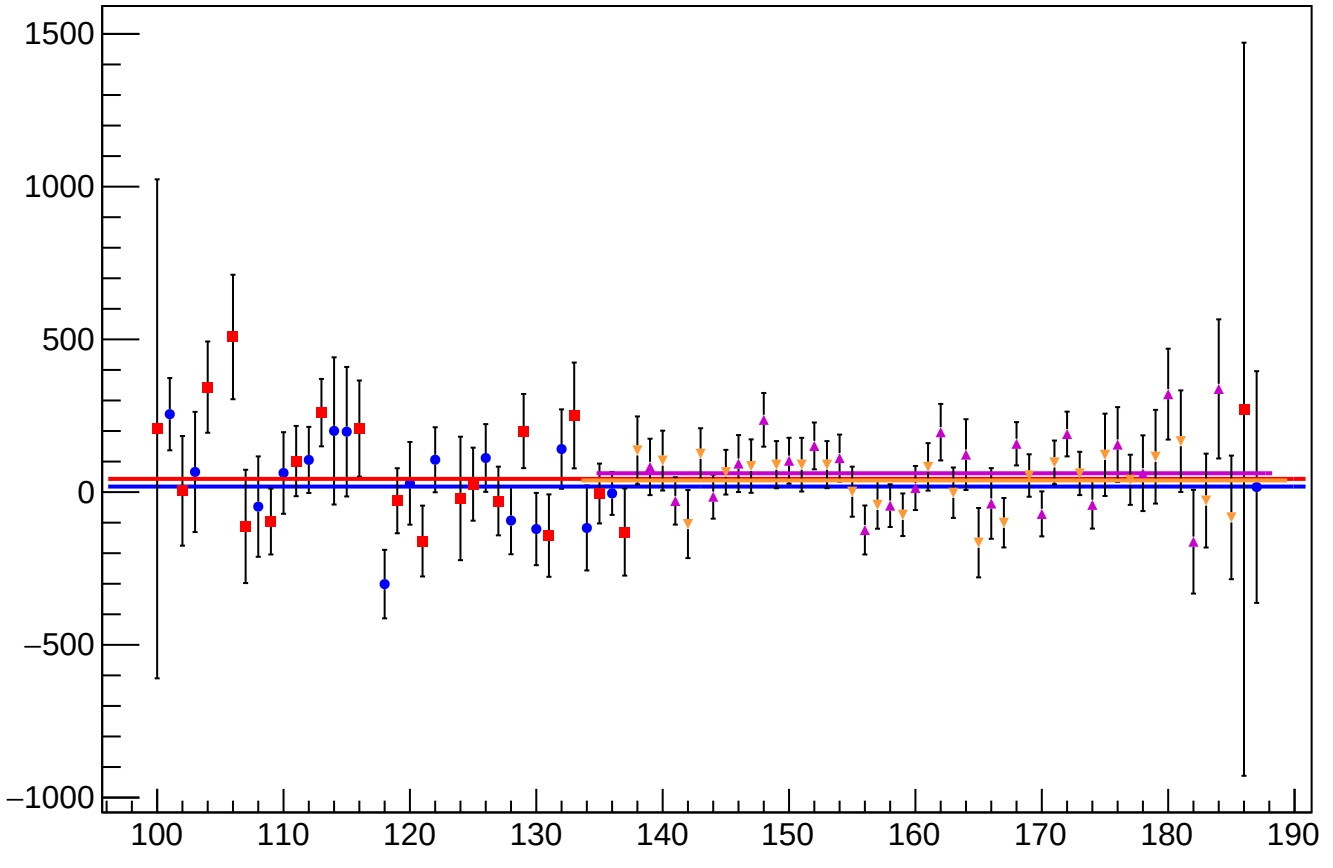
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 941.662+/-0.175 χ^2/NDF: 1487013.4/36

In: 559.103+/-0.082 χ^2/NDF:4223381.2/39

Out: 561.353+/-0.080 χ^2/NDF:4913117.2/44

All: 560.252+/-0.057 χ^2/NDF: 9136886.3/84



Right In: 18.165+/-30.250 χ^2/NDF: 20.1/16

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 43.293+/-30.697 χ^2/NDF: 27.8/19

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

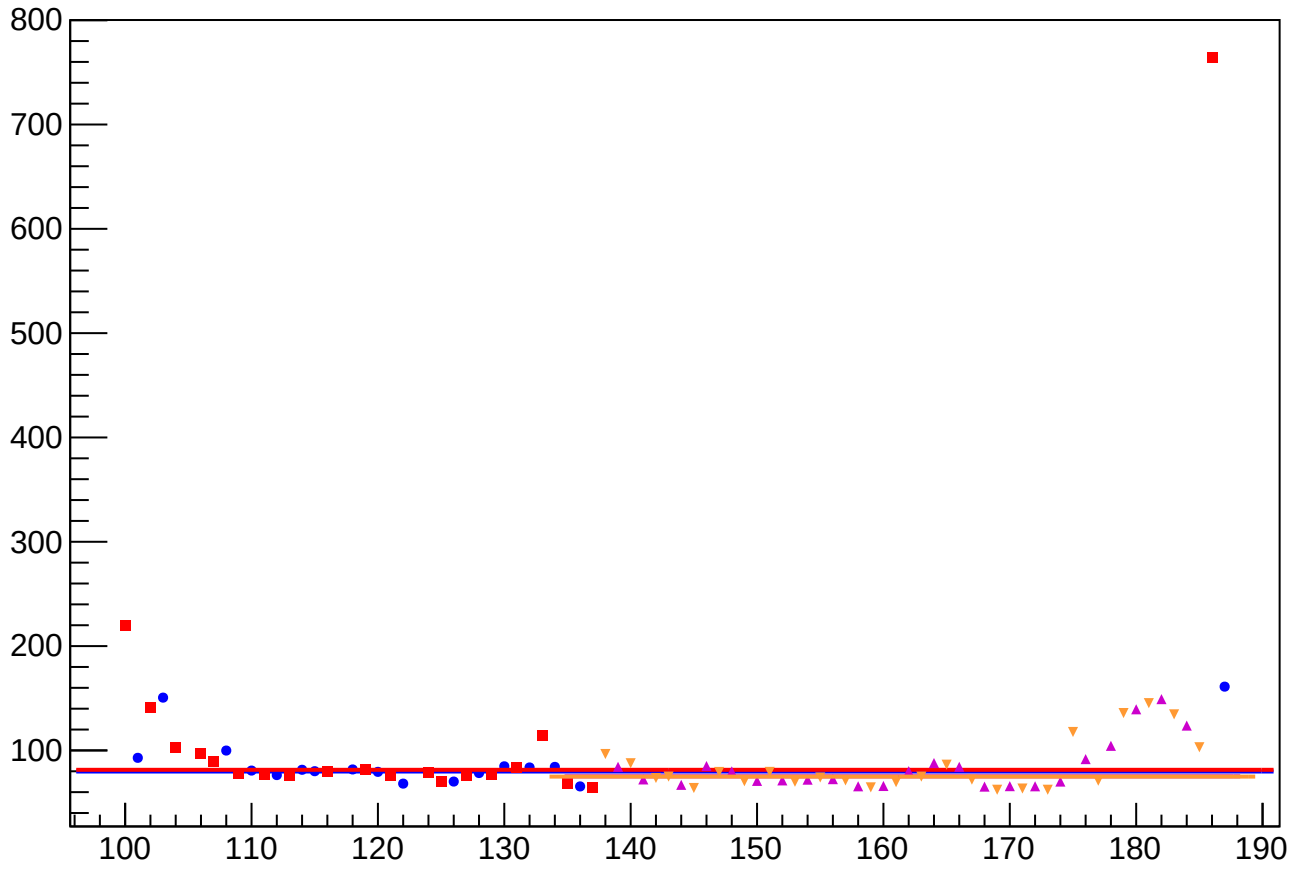
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 30.545+/-21.546 χ^2/NDF: 48.2/36

In: 50.154+/-15.590 χ^2/NDF:58.4/39

Out: 39.529+/-15.314 χ^2/NDF:46.6/44

All: 44.746+/-10.925 χ^2/NDF: 105.2/84



Right In: 79.783+/-0.021 χ^2/NDF: 537529.6/16

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 81.405+/-0.022 χ^2/NDF: 1162069.2/19

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

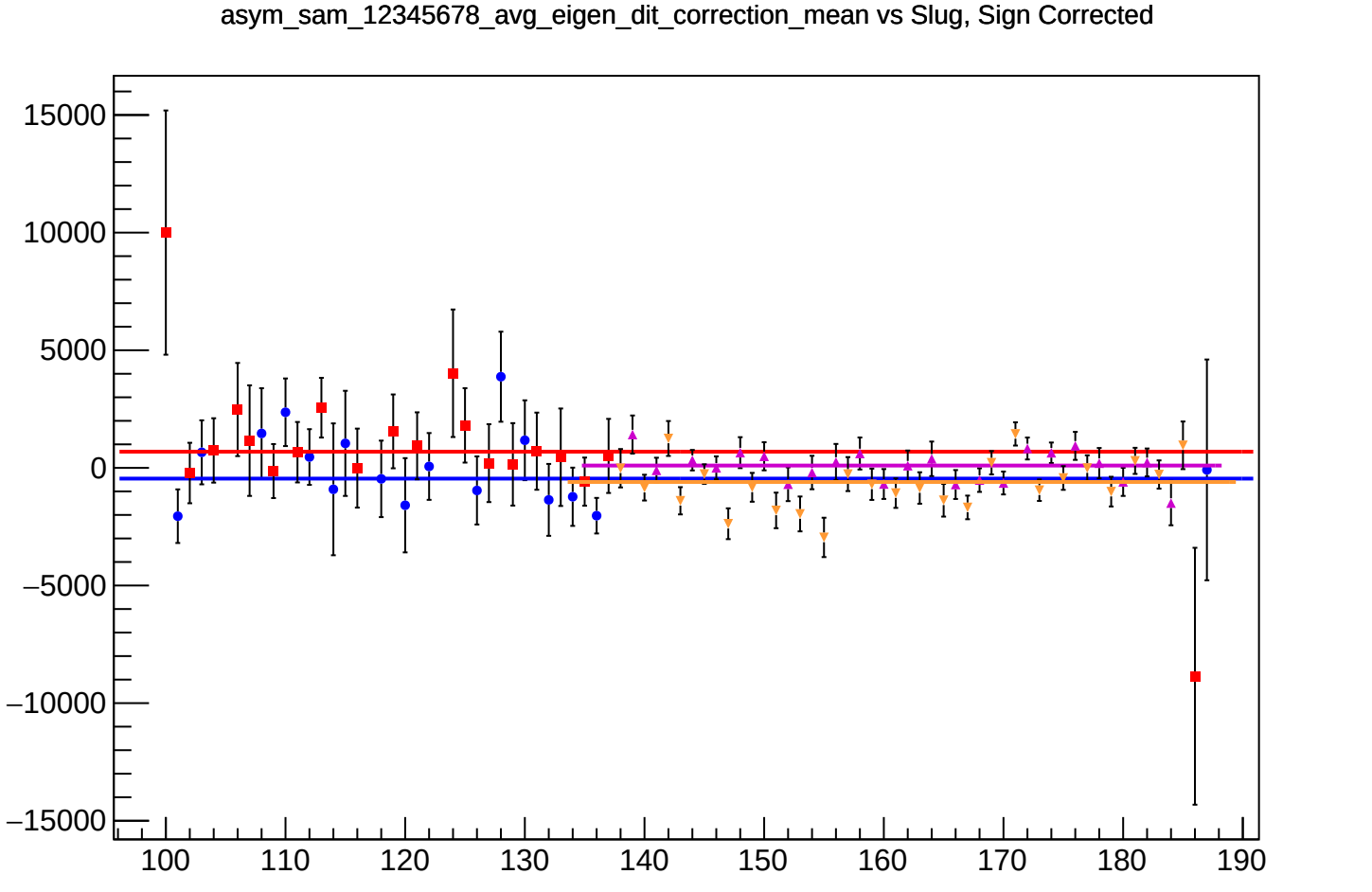
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 80.582+/-0.015 χ^2/NDF: 1702431.0/36

In: 76.385+/-0.011 χ^2/NDF:1884431.6/39

Out: 76.521+/-0.011 χ^2/NDF:2891022.2/44

All: 76.454+/-0.008 χ^2/NDF: 4775531.6/84



Right In: -456.042+/-349.104 χ^2/NDF: 20.3/16

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 688.945+/-351.840 χ^2/NDF: 14.6/19

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

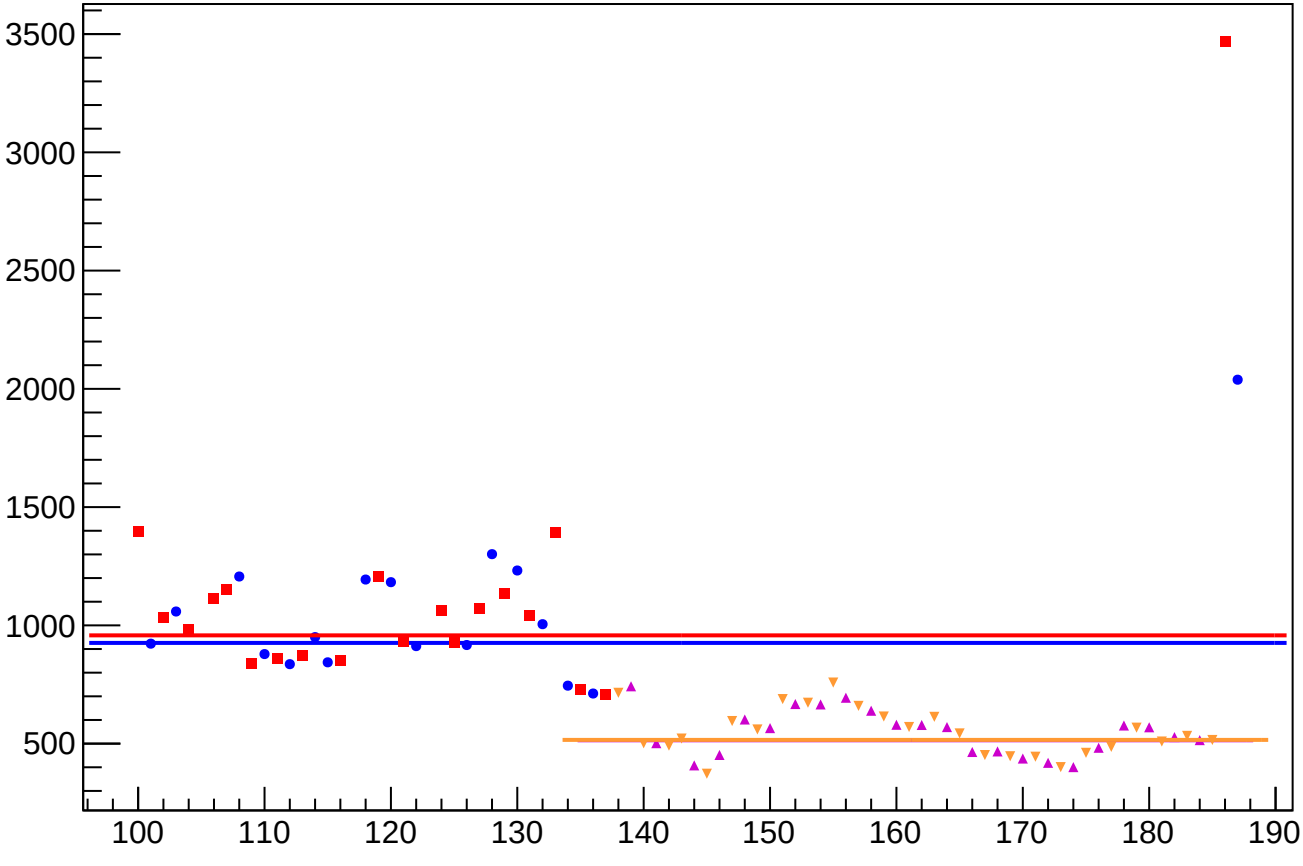
Right: 111.982+/-247.816 χ^2/NDF: 40.2/36

In: 38.408+/-115.431 χ^2/NDF:46.2/39

Out: -465.989+/-113.002 χ^2/NDF:91.7/44

All: -219.153+/-80.749 χ^2/NDF: 147.6/84

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 925.830+/-0.247 χ^2/NDF: 628555.8/16

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 957.738+/-0.249 χ^2/NDF: 850169.8/19

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

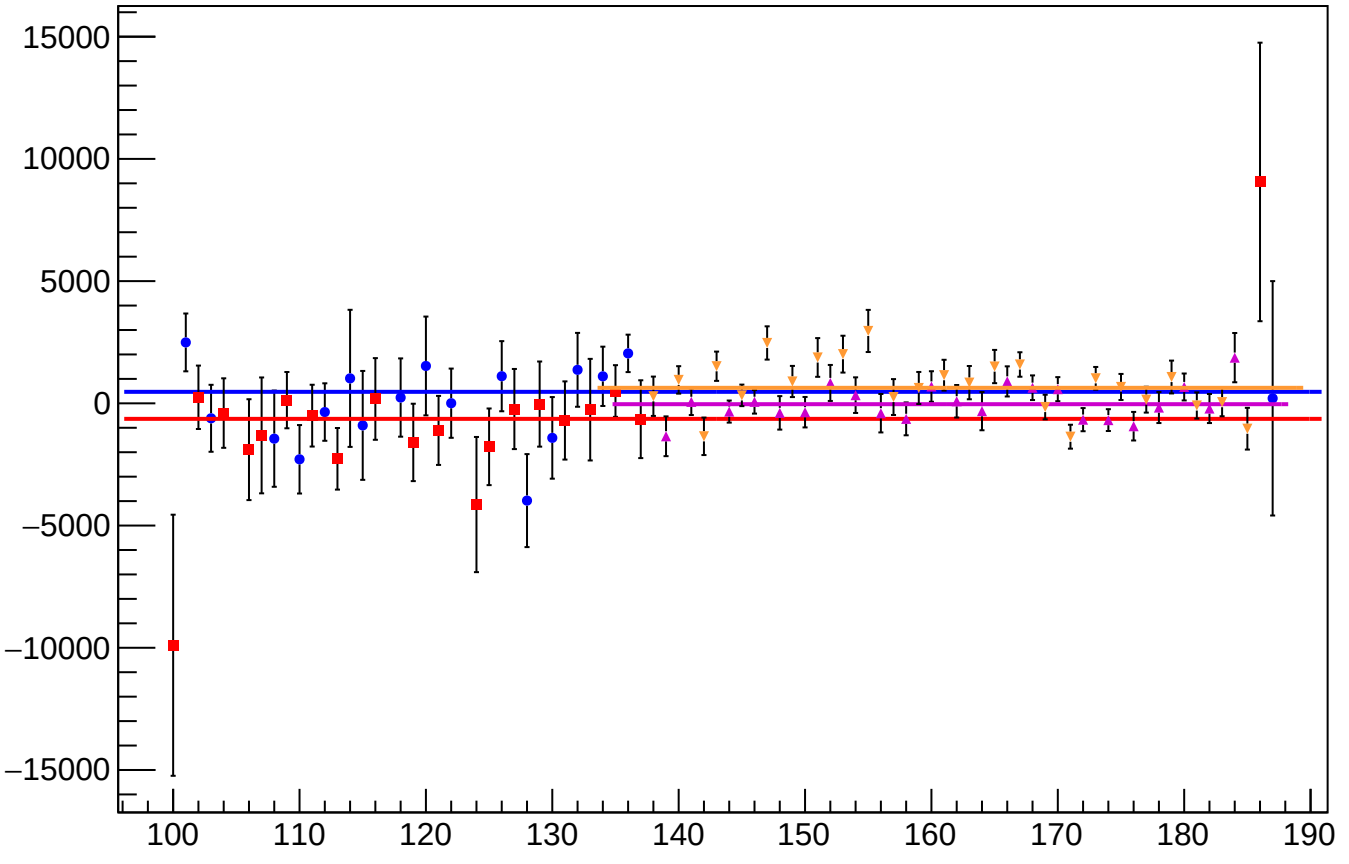
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 941.660+/-0.175 χ^2/NDF: 1487014.4/36

In: 559.102+/-0.082 χ^2/NDF:4223376.2/39

Out: 561.352+/-0.080 χ^2/NDF:4913116.7/44

All: 560.251+/-0.057 χ^2/NDF: 9136880.9/84



Right In: 470.597+/-349.444 χ^2/NDF: 21.5/16

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -635.015+/-353.828 χ^2/NDF: 13.2/19

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

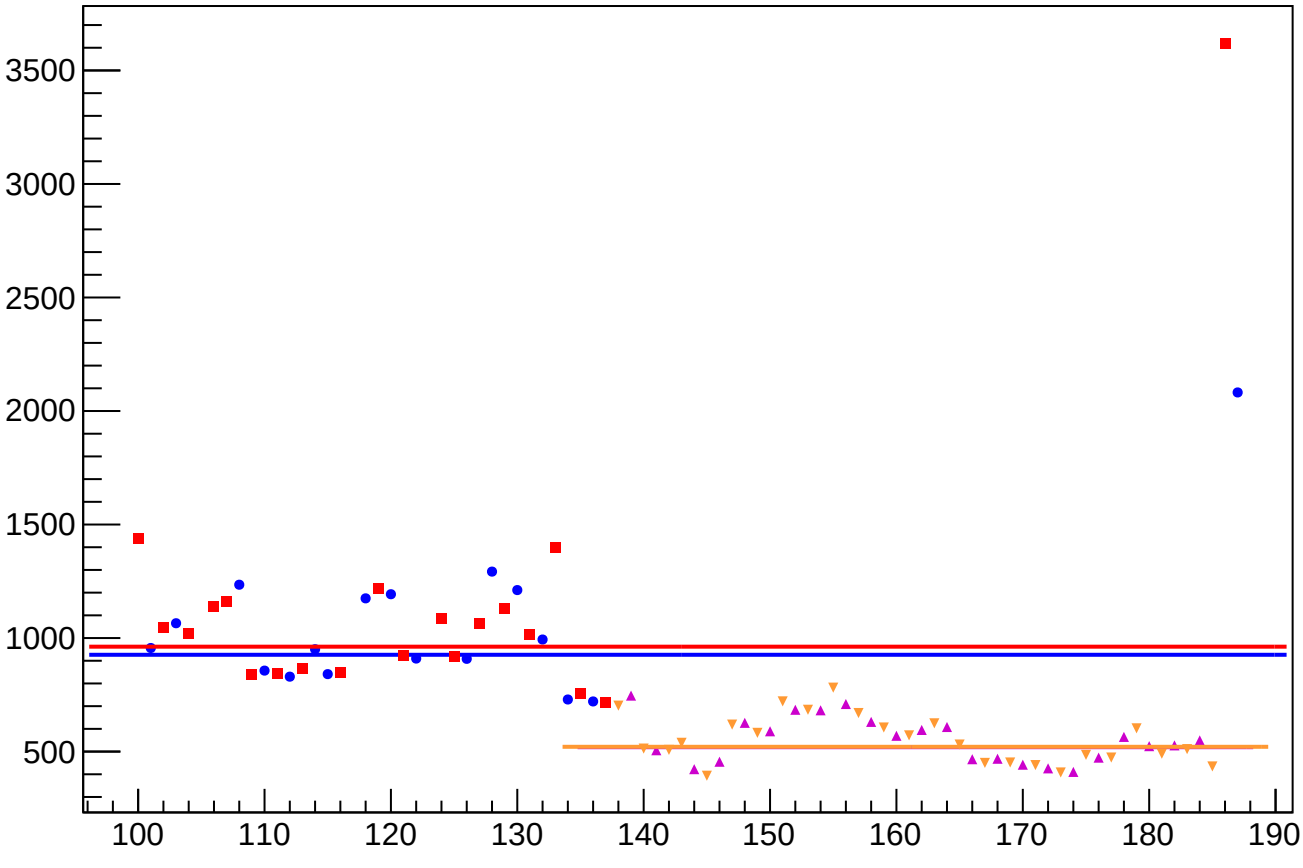
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -75.317+/-248.630 χ^2/NDF: 39.6/36

In: 21.324+/-116.456 χ^2/NDF:48.5/39

Out: 502.390+/-114.250 χ^2/NDF:89.3/44

All: 266.456+/-81.556 χ^2/NDF: 146.4/84



Right In: 926.296+/-0.247 χ^2/NDF: 625464.6/16

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 962.010+/-0.250 χ^2/NDF: 852496.3/19

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

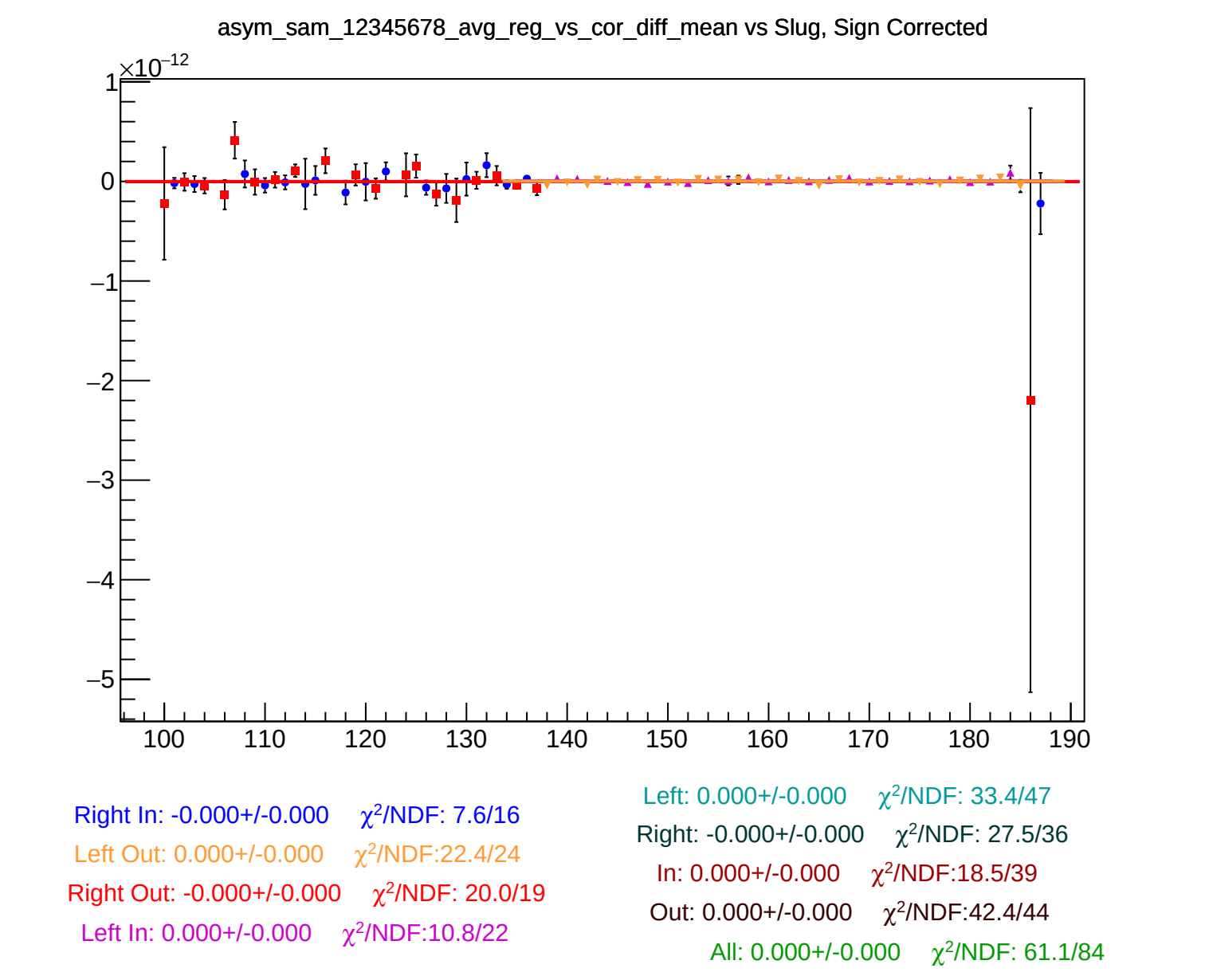
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

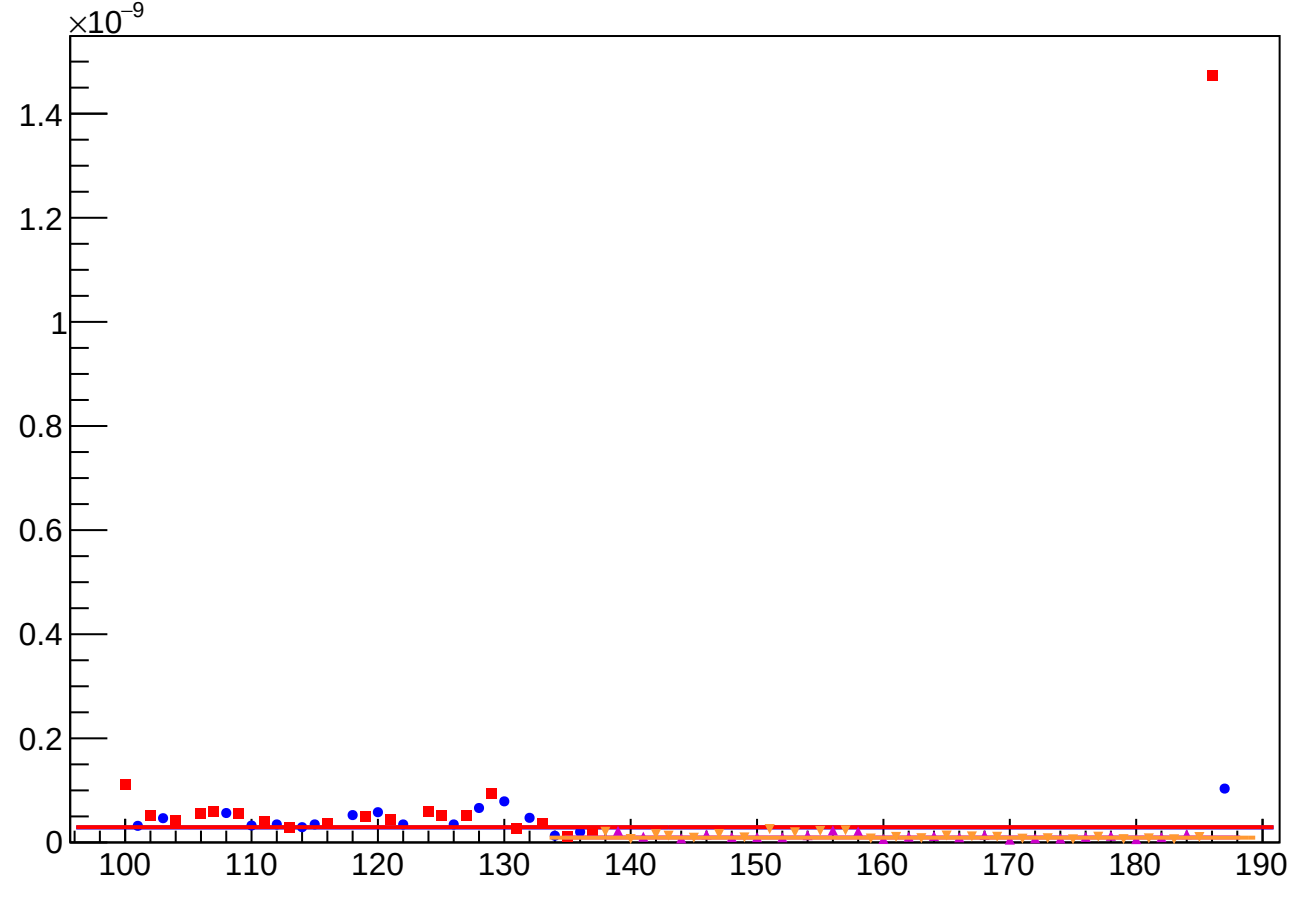
Right: 943.930+/-0.176 χ^2/NDF: 1488275.7/36

In: 564.449+/-0.082 χ^2/NDF:4138456.4/39

Out: 567.004+/-0.081 χ^2/NDF:4878241.0/44

All: 565.751+/-0.058 χ^2/NDF: 9017188.0/84


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 7.6/16
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.0/19
Left In: 0.000+/-0.000 χ²/NDF:10.8/22
Left: 0.000+/-0.000 χ²/NDF: 33.4/47
Right: -0.000+/-0.000 χ²/NDF: 27.5/36
In: 0.000+/-0.000 χ²/NDF:18.5/39
Out: 0.000+/-0.000 χ²/NDF:42.4/44
All: 0.000+/-0.000 χ²/NDF: 61.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 1270528.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2130967.5/19

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

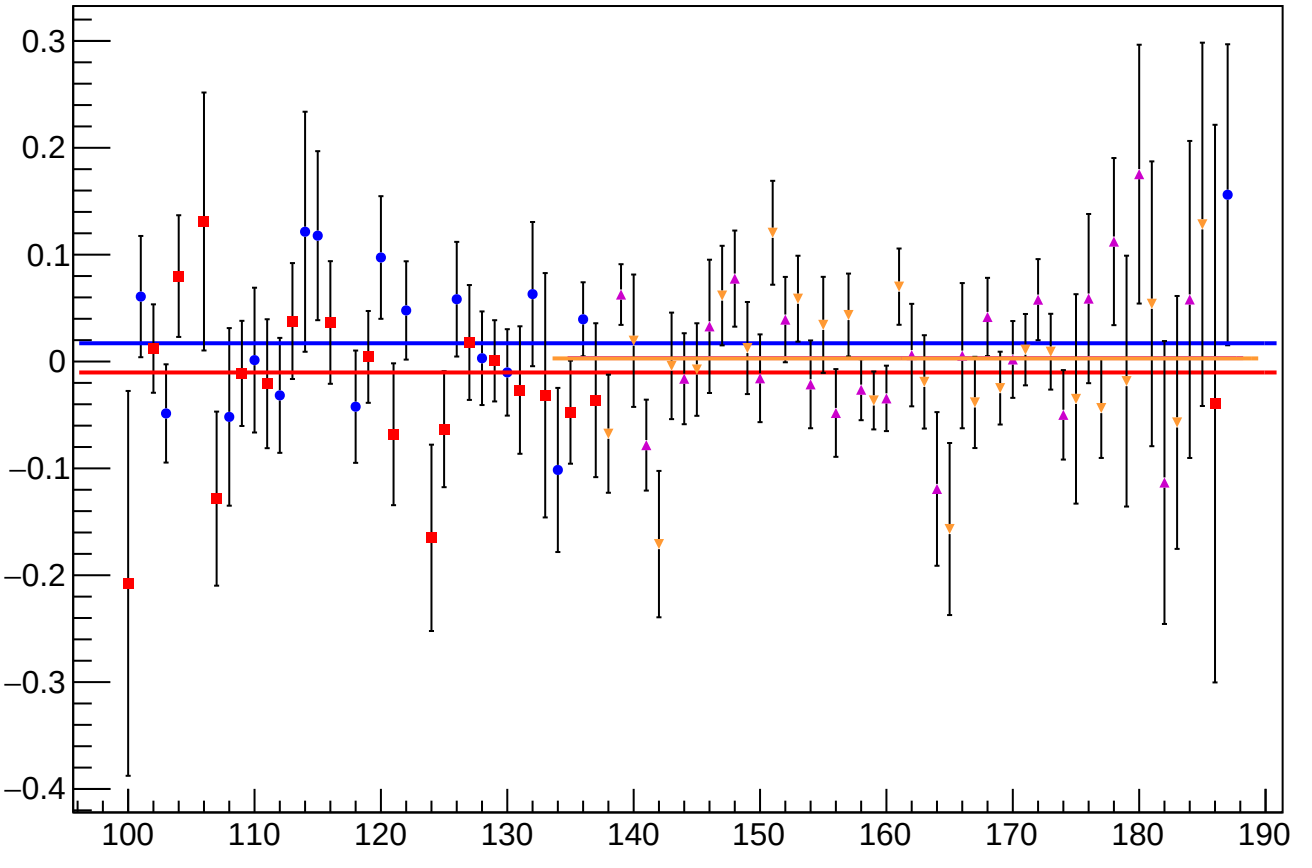
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3402744.9/36

In: 0.000+/-0.000 χ^2/NDF:5112901.1/39

Out: 0.000+/-0.000 χ^2/NDF:6380808.2/44

All: 0.000+/-0.000 χ^2/NDF: 11515090.2/84



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

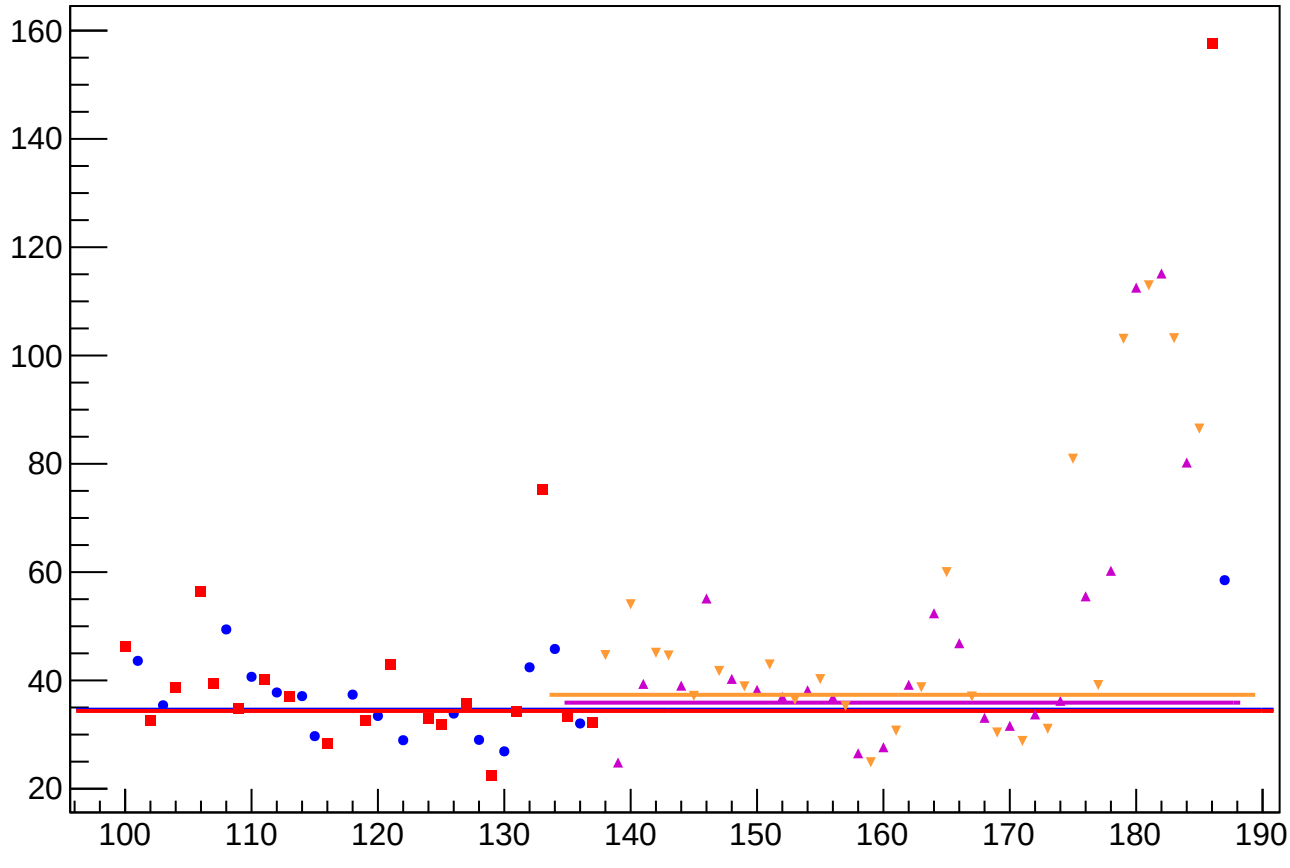
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

Right: 0.003+/-0.009 χ^2/NDF: 33.0/36

In: 0.008+/-0.008 χ^2/NDF:46.3/39

Out: -0.001+/-0.008 χ^2/NDF:48.7/44

All: 0.003+/-0.005 χ^2/NDF: 95.7/84



Right In: 34.598+/-0.009 χ^2/NDF: 426067.9/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 34.363+/-0.009 χ^2/NDF: 1089908.4/19

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

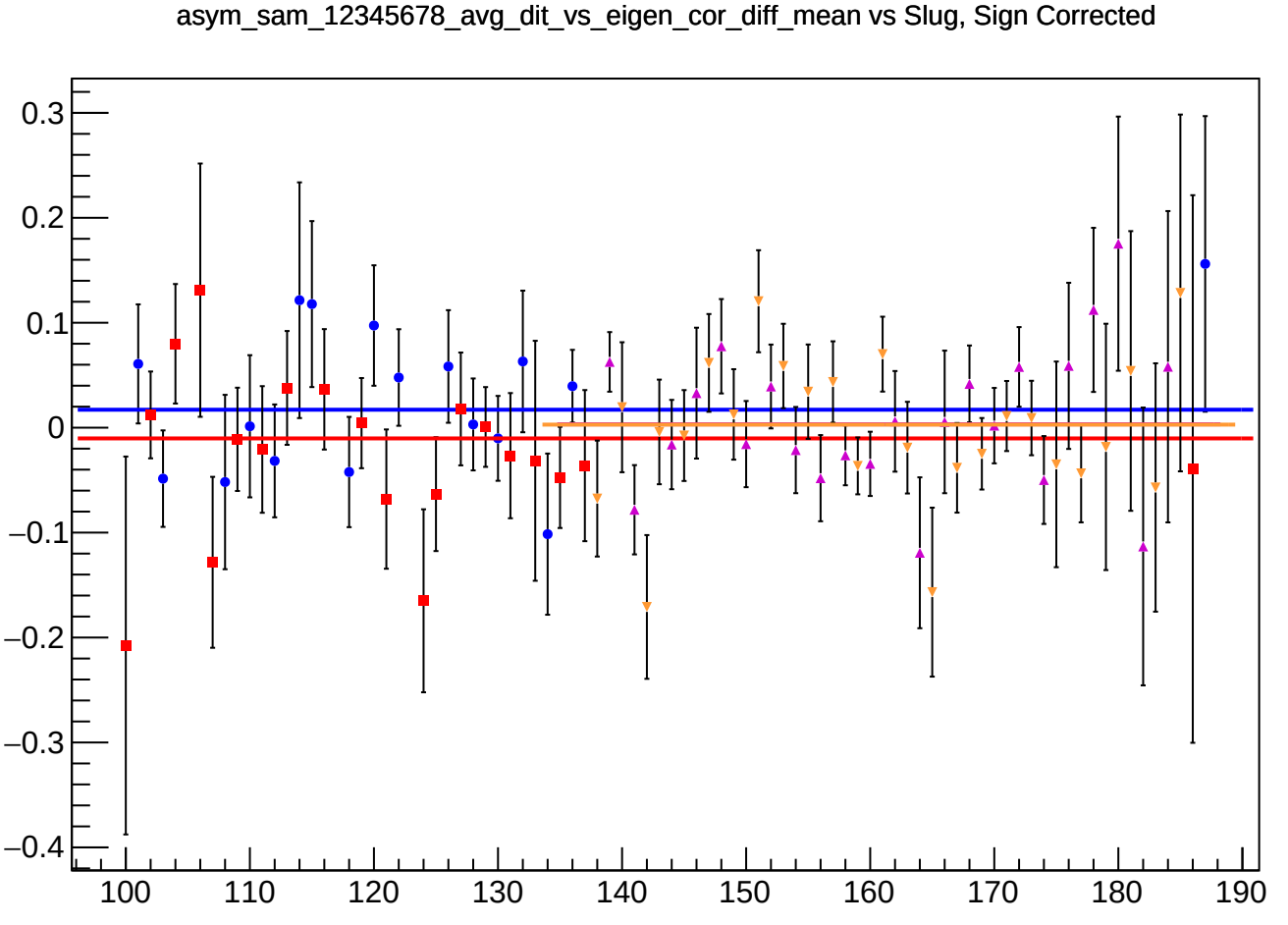
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

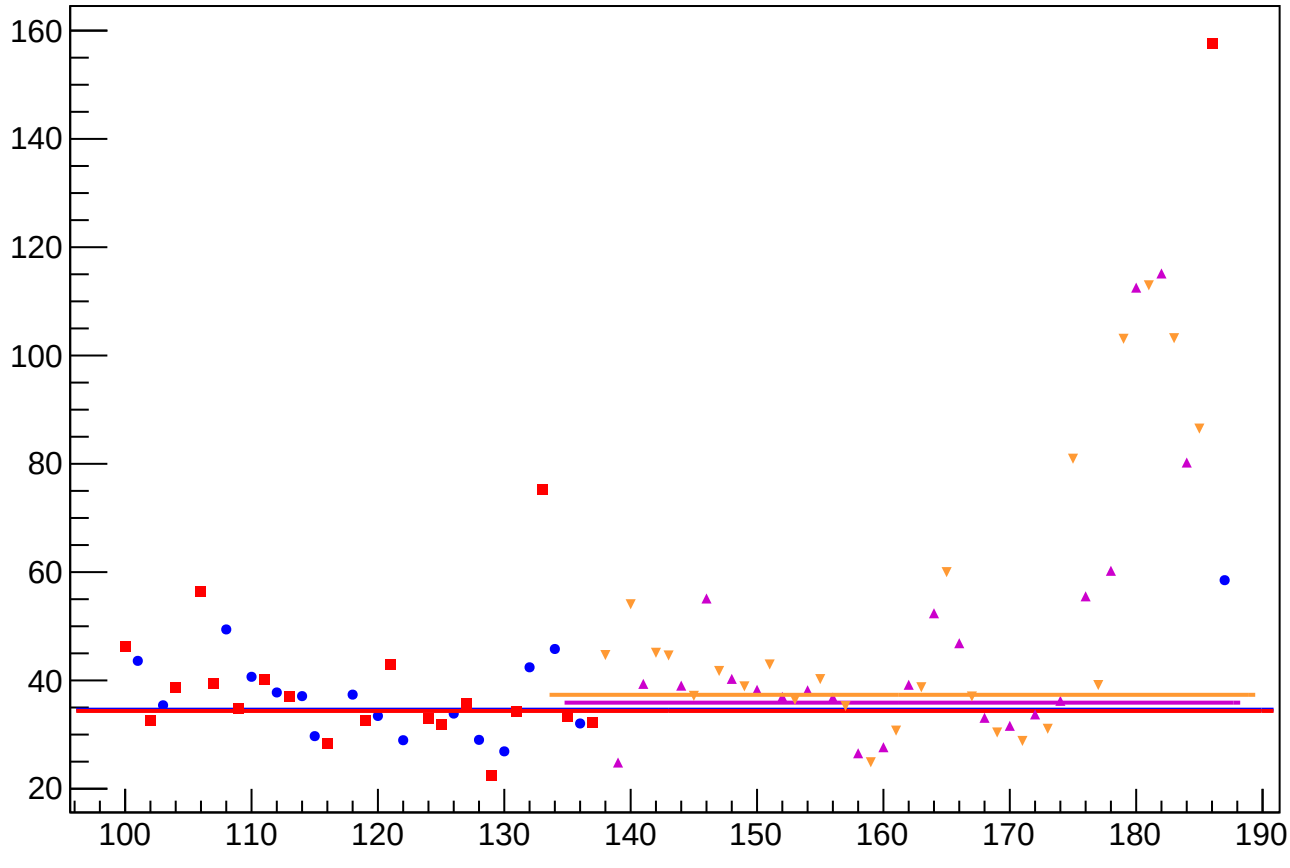
Right: 34.479+/-0.007 χ^2/NDF: 1516290.3/36

In: 35.480+/-0.005 χ^2/NDF:3577231.2/39

Out: 36.360+/-0.005 χ^2/NDF:4854979.3/44

All: 35.918+/-0.004 χ^2/NDF: 8445744.7/84


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.017+/-0.013 χ²/NDF: 15.7/16
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.010+/-0.013 χ²/NDF: 15.1/19
Left In: 0.003+/-0.009 χ²/NDF:29.8/22
Left: 0.003+/-0.007 χ²/NDF: 62.7/47
Right: 0.003+/-0.009 χ²/NDF: 33.0/36
In: 0.008+/-0.008 χ²/NDF:46.3/39
Out: -0.001+/-0.008 χ²/NDF:48.7/44
All: 0.003+/-0.005 χ²/NDF: 95.7/84



Right In: 34.598+/-0.009 χ^2/NDF: 426067.9/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 34.363+/-0.009 χ^2/NDF: 1089908.4/19

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

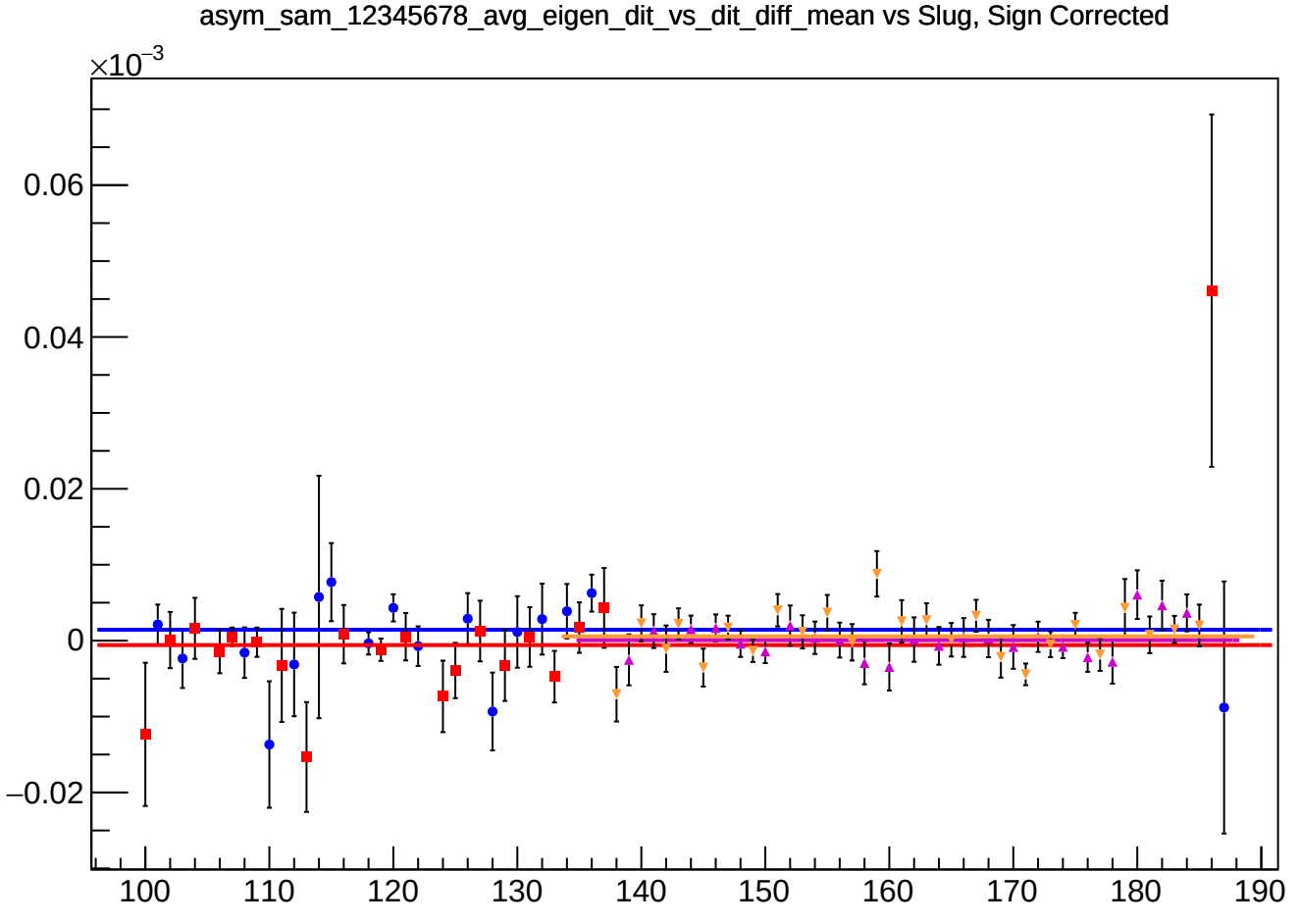
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 34.479+/-0.007 χ^2/NDF: 1516290.3/36

In: 35.480+/-0.005 χ^2/NDF:3577231.2/39

Out: 36.360+/-0.005 χ^2/NDF:4854979.3/44

All: 35.918+/-0.004 χ^2/NDF: 8445744.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/19

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

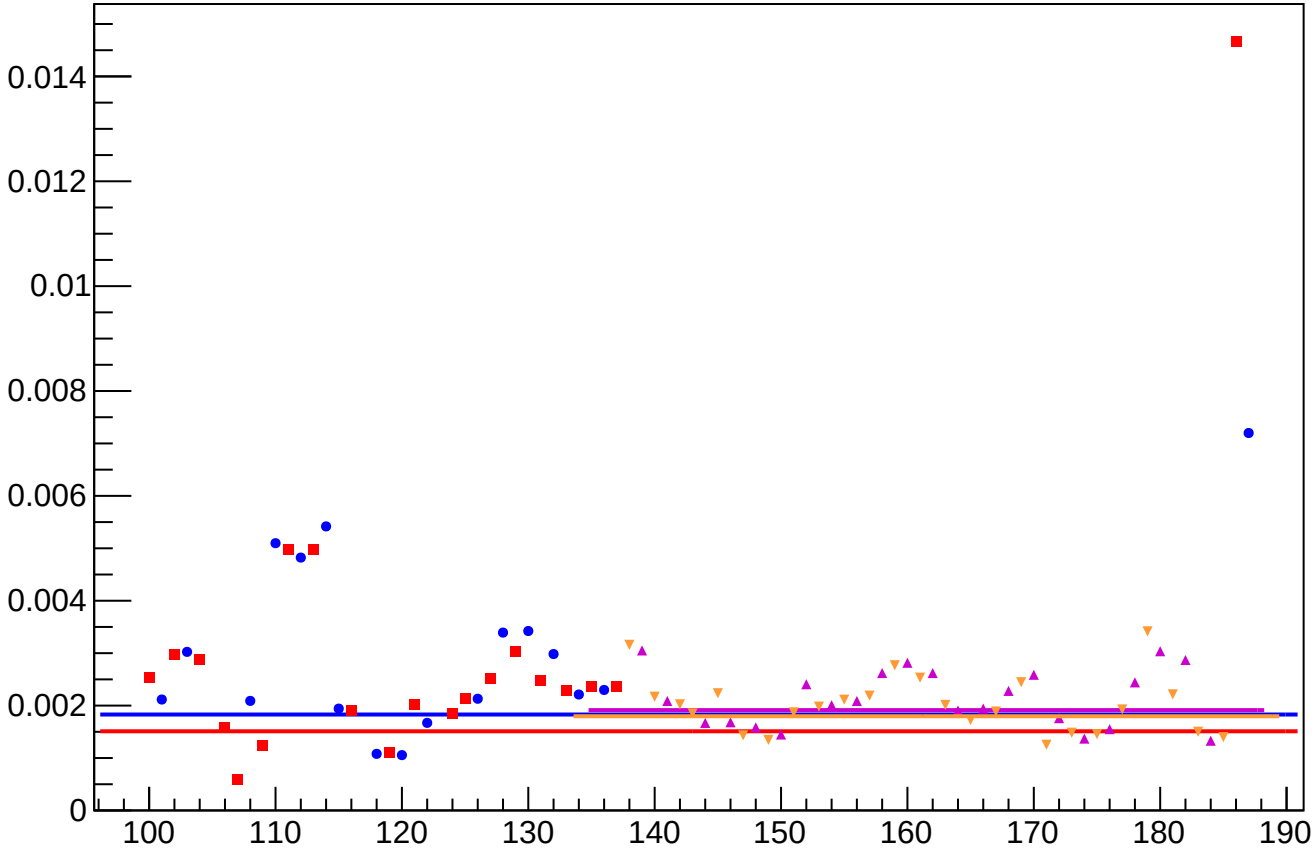
Right: 0.000+/-0.000 χ^2/NDF: 43.5/36

In: 0.000+/-0.000 χ^2/NDF:40.7/39

Out: 0.000+/-0.000 χ^2/NDF:63.7/44

All: 0.000+/-0.000 χ^2/NDF: 104.6/84

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2779788.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4332019.7/19

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

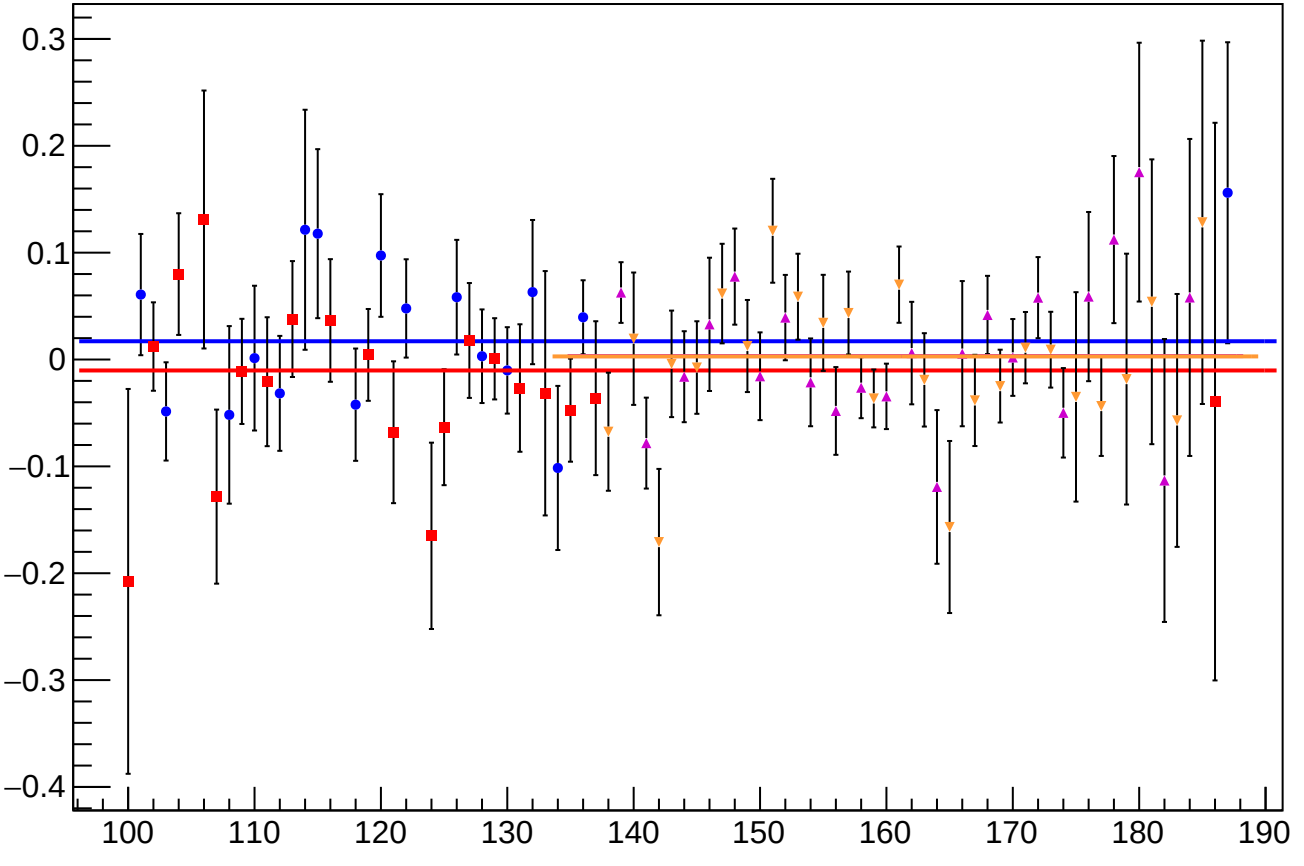
Right: 0.002+/-0.000 χ^2/NDF: 7319811.5/36

In: 0.002+/-0.000 χ^2/NDF:4969629.9/39

Out: 0.002+/-0.000 χ^2/NDF:6886839.8/44

All: 0.002+/-0.000 χ^2/NDF: 12086446.6/84

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

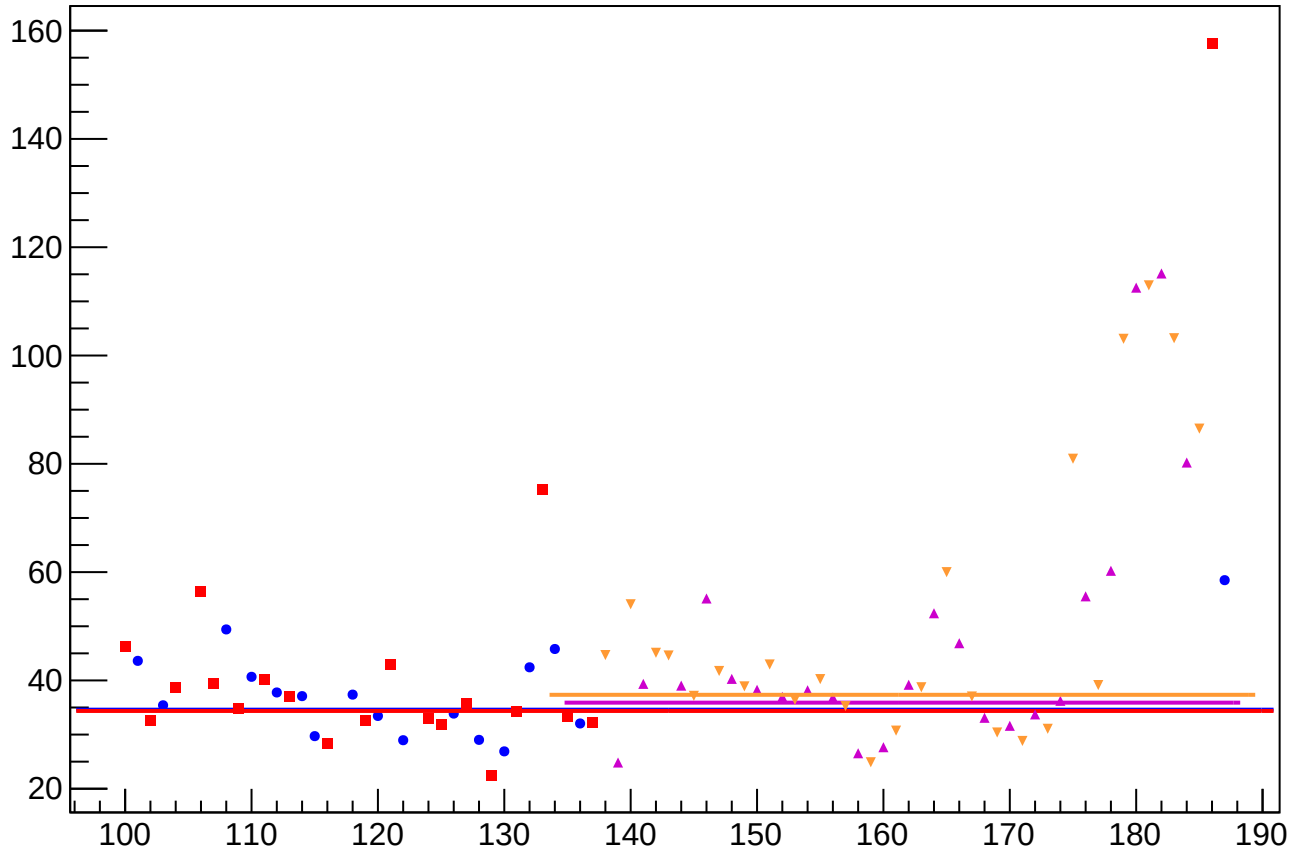
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

Right: 0.003+/-0.009 χ^2/NDF: 33.0/36

In: 0.008+/-0.008 χ^2/NDF:46.3/39

Out: -0.001+/-0.008 χ^2/NDF:48.7/44

All: 0.003+/-0.005 χ^2/NDF: 95.7/84



Right In: 34.597+/-0.009 χ^2/NDF: 426139.8/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 34.363+/-0.009 χ^2/NDF: 1089964.8/19

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

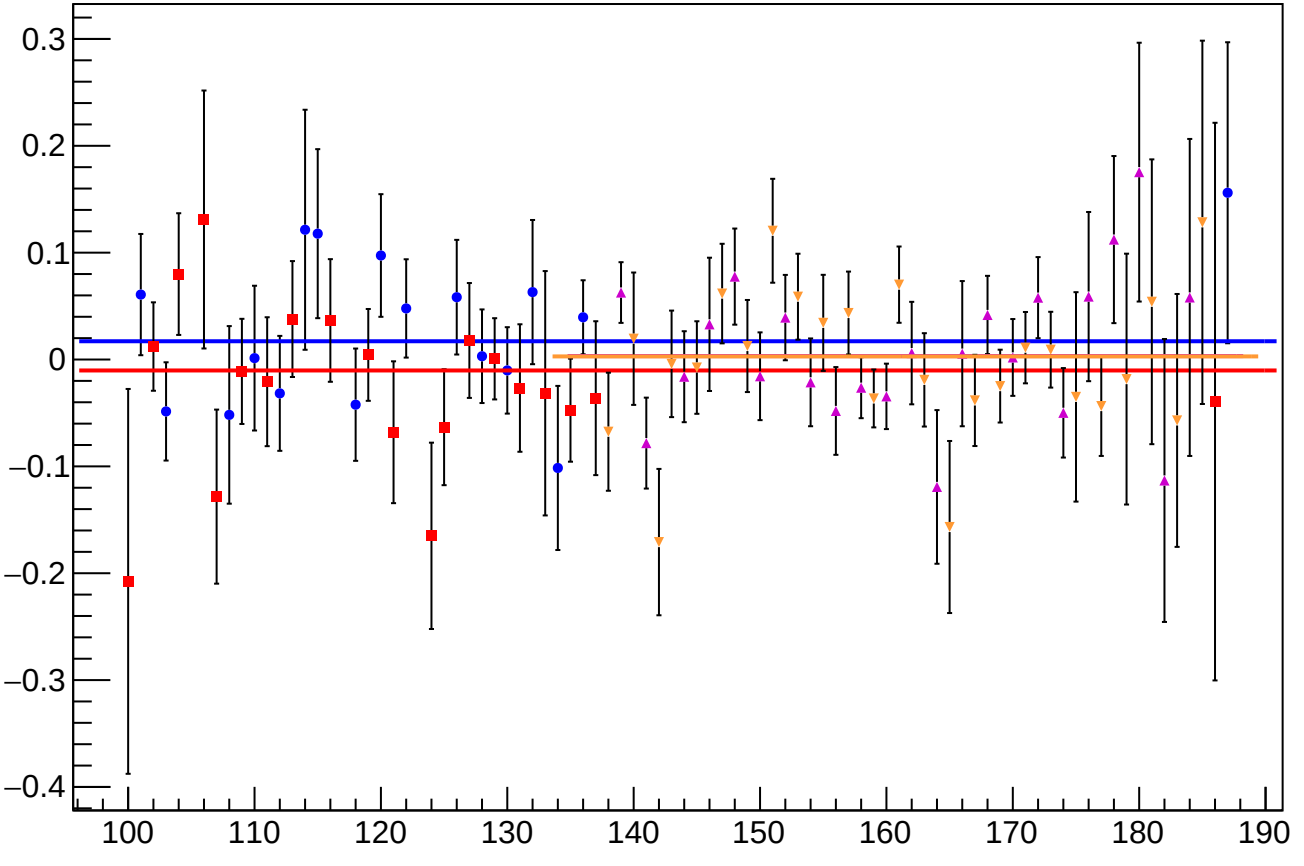
Right: 34.479+/-0.007 χ^2/NDF: 1516418.2/36

In: 35.480+/-0.005 χ^2/NDF:3577340.1/39

Out: 36.360+/-0.005 χ^2/NDF:4855120.7/44

All: 35.918+/-0.004 χ^2/NDF: 8445994.5/84

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

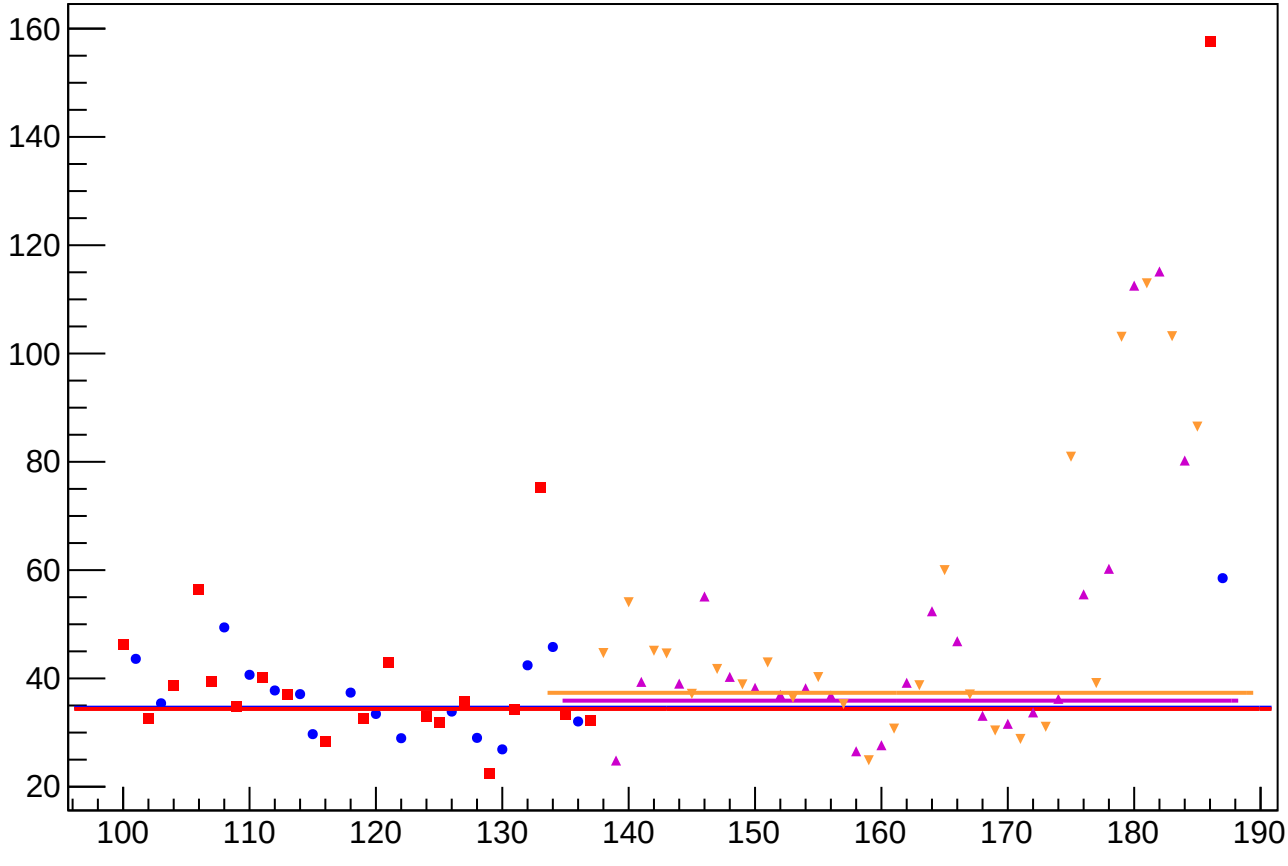
Right: 0.003+/-0.009 χ^2/NDF: 33.0/36

In: 0.008+/-0.008 χ^2/NDF:46.3/39

Out: -0.001+/-0.008 χ^2/NDF:48.7/44

All: 0.003+/-0.005 χ^2/NDF: 95.7/84

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.597+/-0.009 χ^2/NDF: 426139.8/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 34.363+/-0.009 χ^2/NDF: 1089964.8/19

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

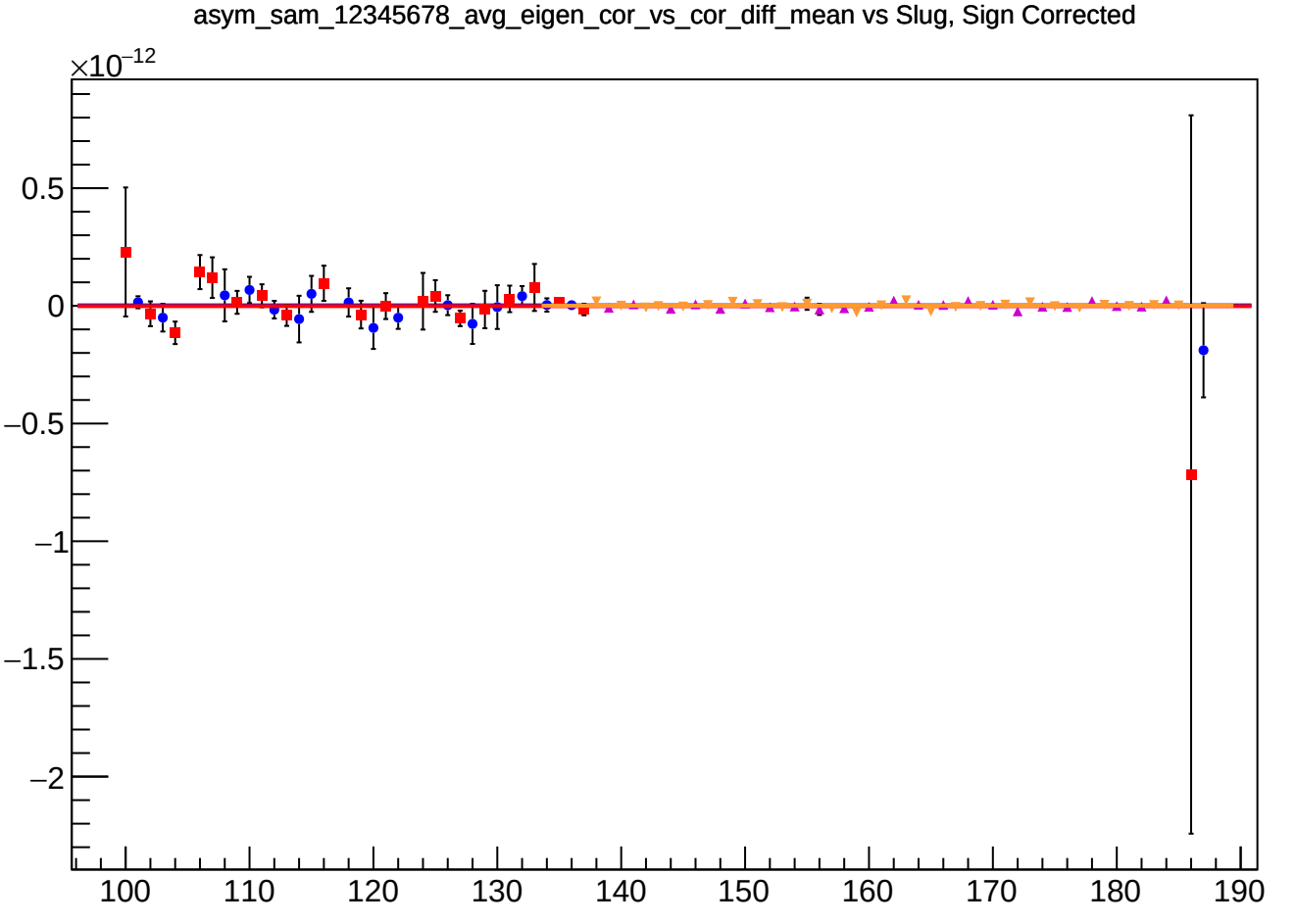
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

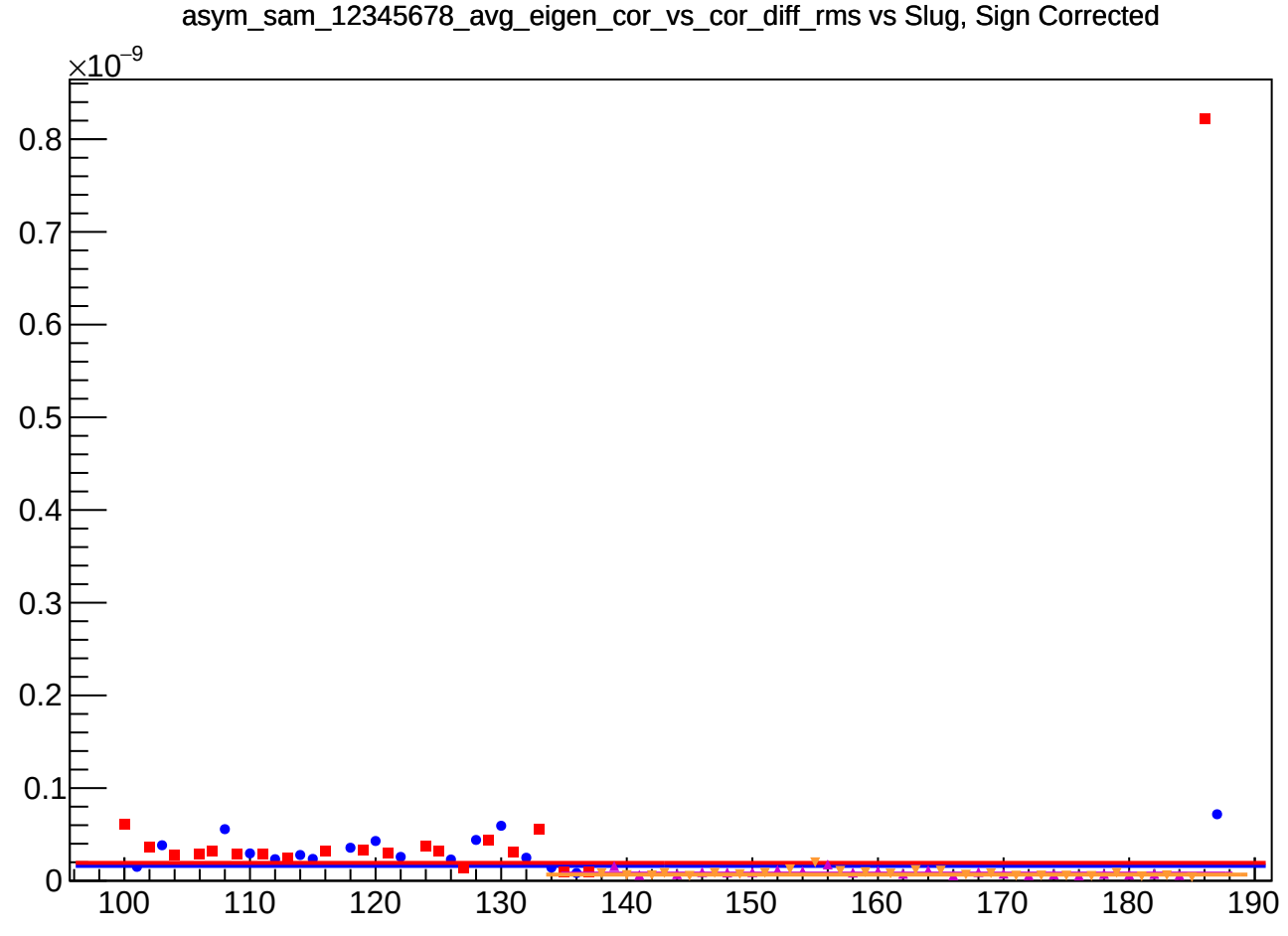
Right: 34.479+/-0.007 χ^2/NDF: 1516418.2/36

In: 35.480+/-0.005 χ^2/NDF:3577340.1/39

Out: 36.360+/-0.005 χ^2/NDF:4855120.7/44

All: 35.918+/-0.004 χ^2/NDF: 8445994.5/84


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 8.6/16
Left Out: 0.000+/-0.000 χ²/NDF:21.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.7/19
Left In: 0.000+/-0.000 χ²/NDF:29.2/22
Left: 0.000+/-0.000 χ²/NDF: 50.6/47
Right: 0.000+/-0.000 χ²/NDF: 30.4/36
In: 0.000+/-0.000 χ²/NDF:37.8/39
Out: 0.000+/-0.000 χ²/NDF:43.1/44
All: 0.000+/-0.000 χ²/NDF: 81.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 2977507.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2994556.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

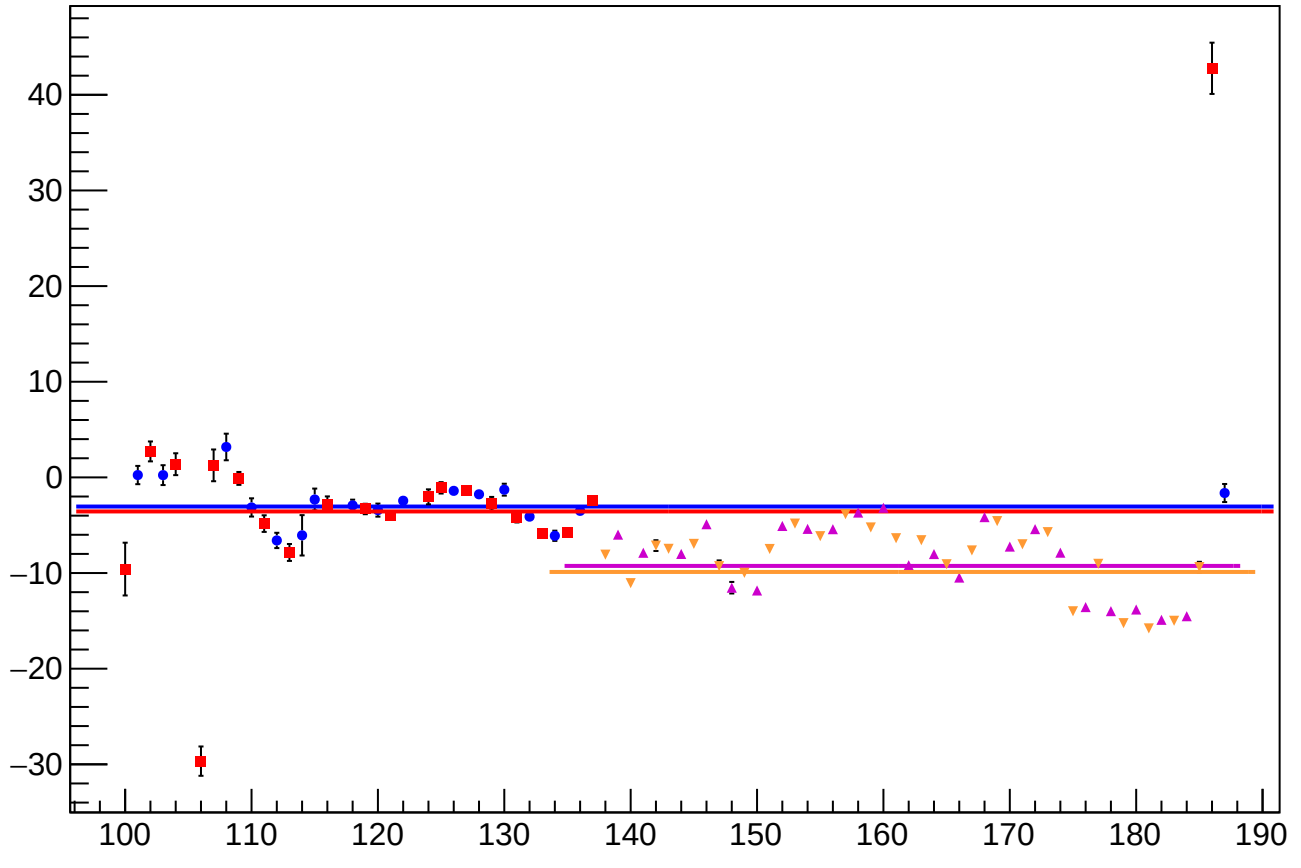
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6090648.6/36

In: 0.000+/-0.000 χ^2/NDF:6257972.4/39

Out: 0.000+/-0.000 χ^2/NDF:8141113.2/44

All: 0.000+/-0.000 χ^2/NDF: 14691057.0/84



Right In: -3.048+/-0.134 χ^2/NDF: 136.1/16

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -3.560+/-0.140 χ^2/NDF: 834.4/19

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

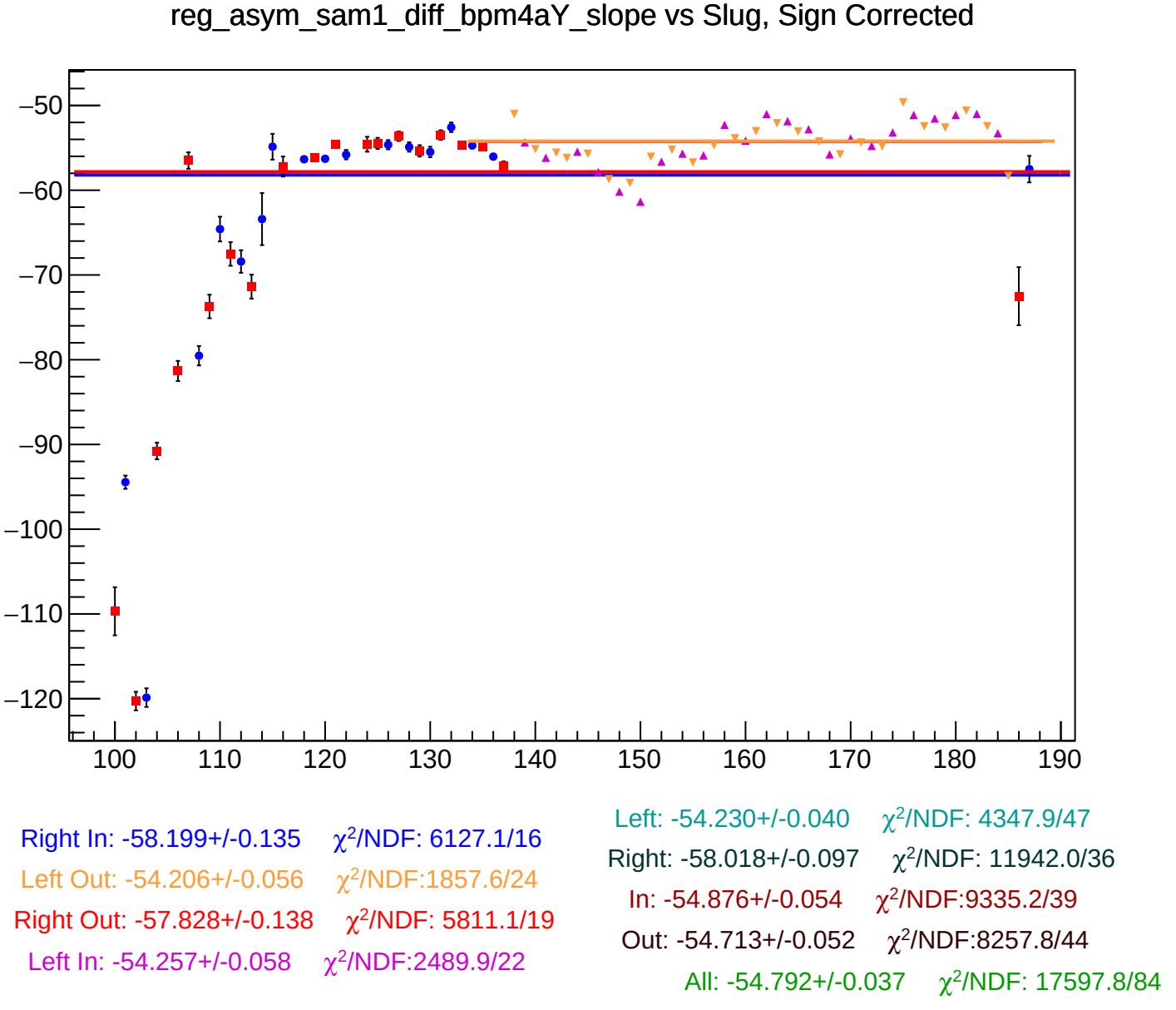
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

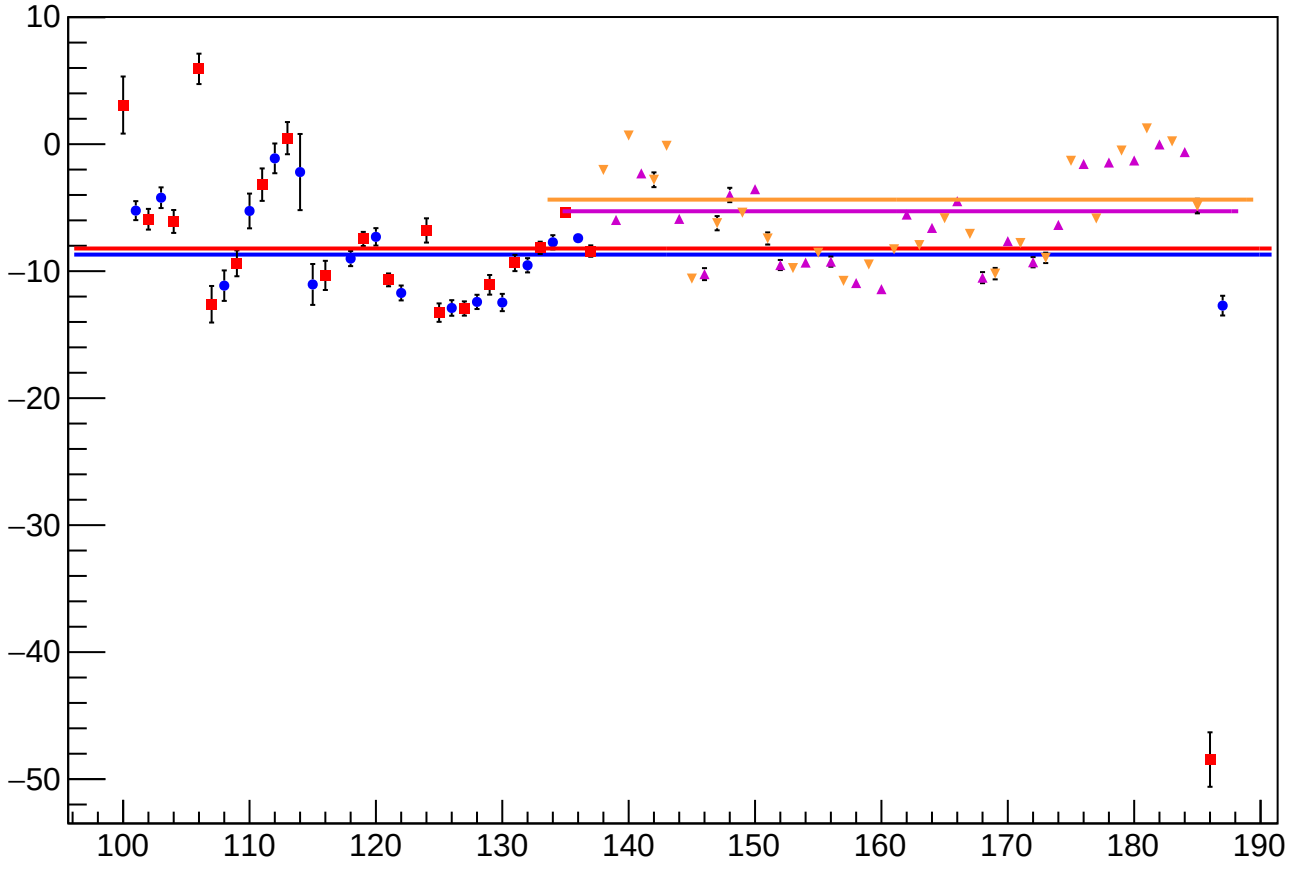
Right: -3.293+/-0.097 χ^2/NDF: 977.5/36

In: -7.873+/-0.063 χ^2/NDF:4875.1/39

Out: -8.635+/-0.062 χ^2/NDF:5679.1/44

All: -8.259+/-0.044 χ^2/NDF: 10627.9/84


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
170
180
190
Right In: -58.199+/-0.135 χ²/NDF: 6127.1/16
Left Out: -54.206+/-0.056 χ²/NDF:1857.6/24
Right Out: -57.828+/-0.138 χ²/NDF: 5811.1/19
Left In: -54.257+/-0.058 χ²/NDF:2489.9/22
Left: -54.230+/-0.040 χ²/NDF: 4347.9/47
Right: -58.018+/-0.097 χ²/NDF: 11942.0/36
In: -54.876+/-0.054 χ²/NDF:9335.2/39
Out: -54.713+/-0.052 χ²/NDF:8257.8/44
All: -54.792+/-0.037 χ²/NDF: 17597.8/84



Right In: -8.695+/-0.142 χ^2/NDF: 328.4/16

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -8.216+/-0.153 χ^2/NDF: 843.0/19

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

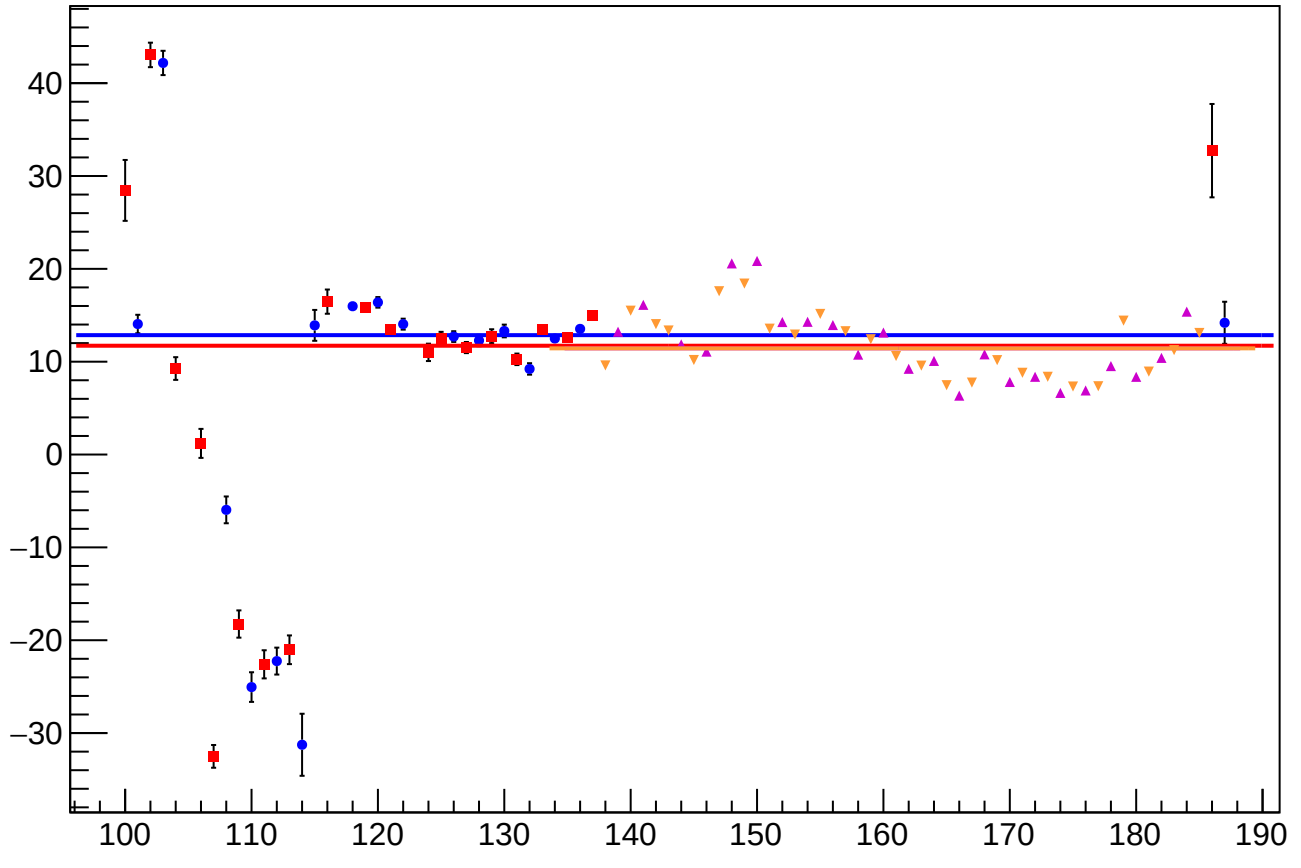
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -8.472+/-0.104 χ^2/NDF: 1176.7/36

In: -5.964+/-0.064 χ^2/NDF:3538.8/39

Out: -5.024+/-0.063 χ^2/NDF:5072.4/44

All: -5.490+/-0.045 χ^2/NDF: 8721.4/84



Right In: 12.859+/-0.150 χ^2/NDF: 2128.8/16

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 11.719+/-0.155 χ^2/NDF: 3516.3/19

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

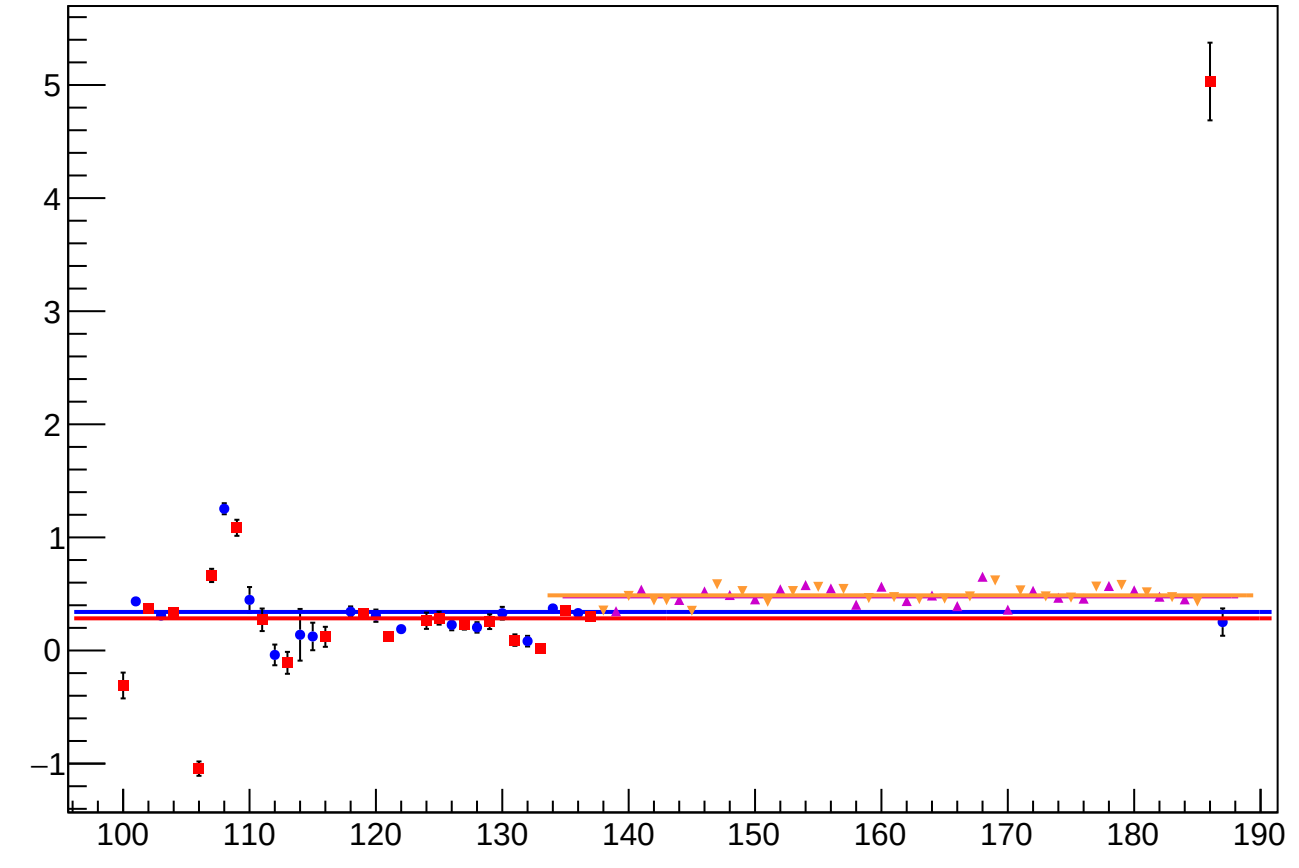
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

Right: 12.308+/-0.108 χ^2/NDF: 5672.9/36

In: 11.660+/-0.059 χ^2/NDF:5562.7/39

Out: 11.477+/-0.058 χ^2/NDF:5954.8/44

All: 11.566+/-0.041 χ^2/NDF: 11522.4/84



Right In: 0.341+/-0.008 χ^2/NDF: 435.3/16

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.284+/-0.008 χ^2/NDF: 968.7/19

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

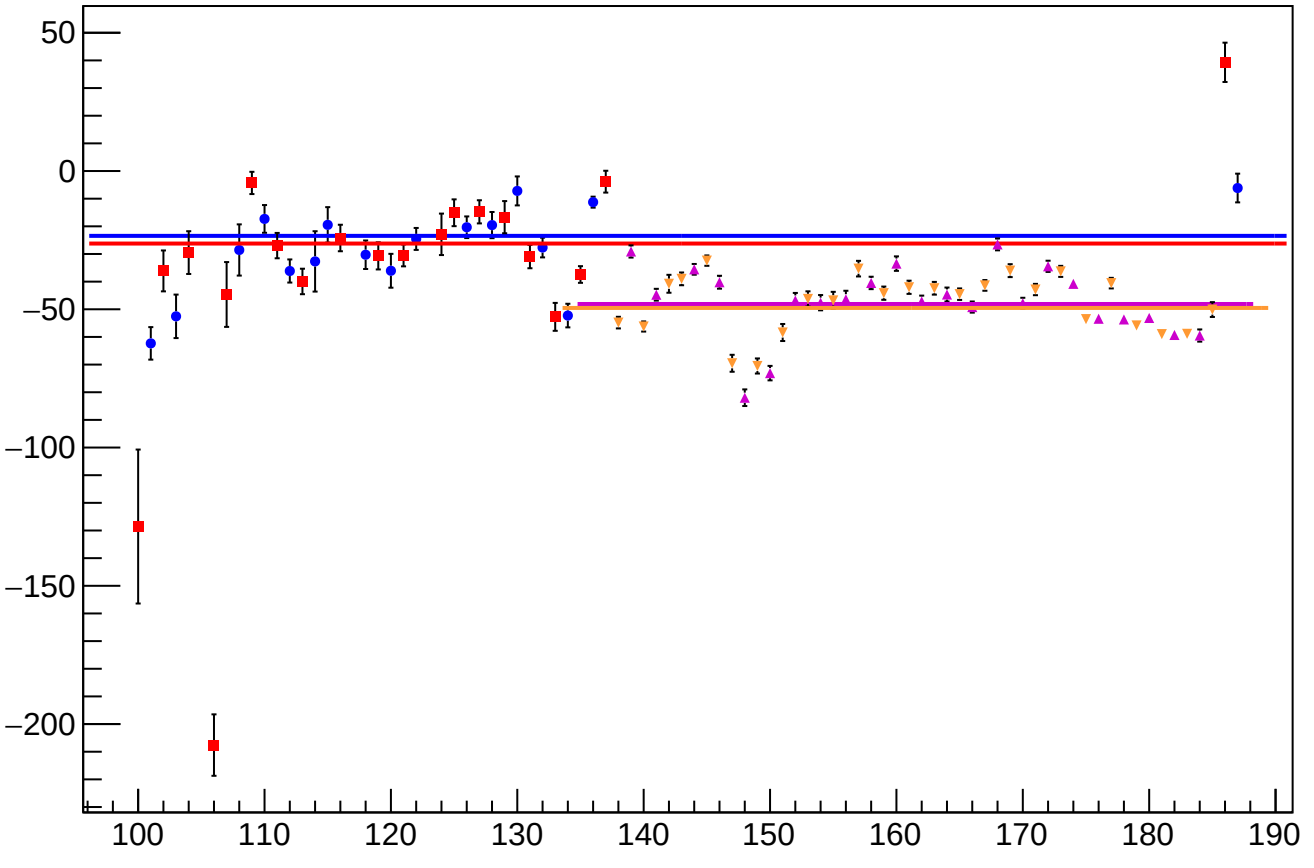
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

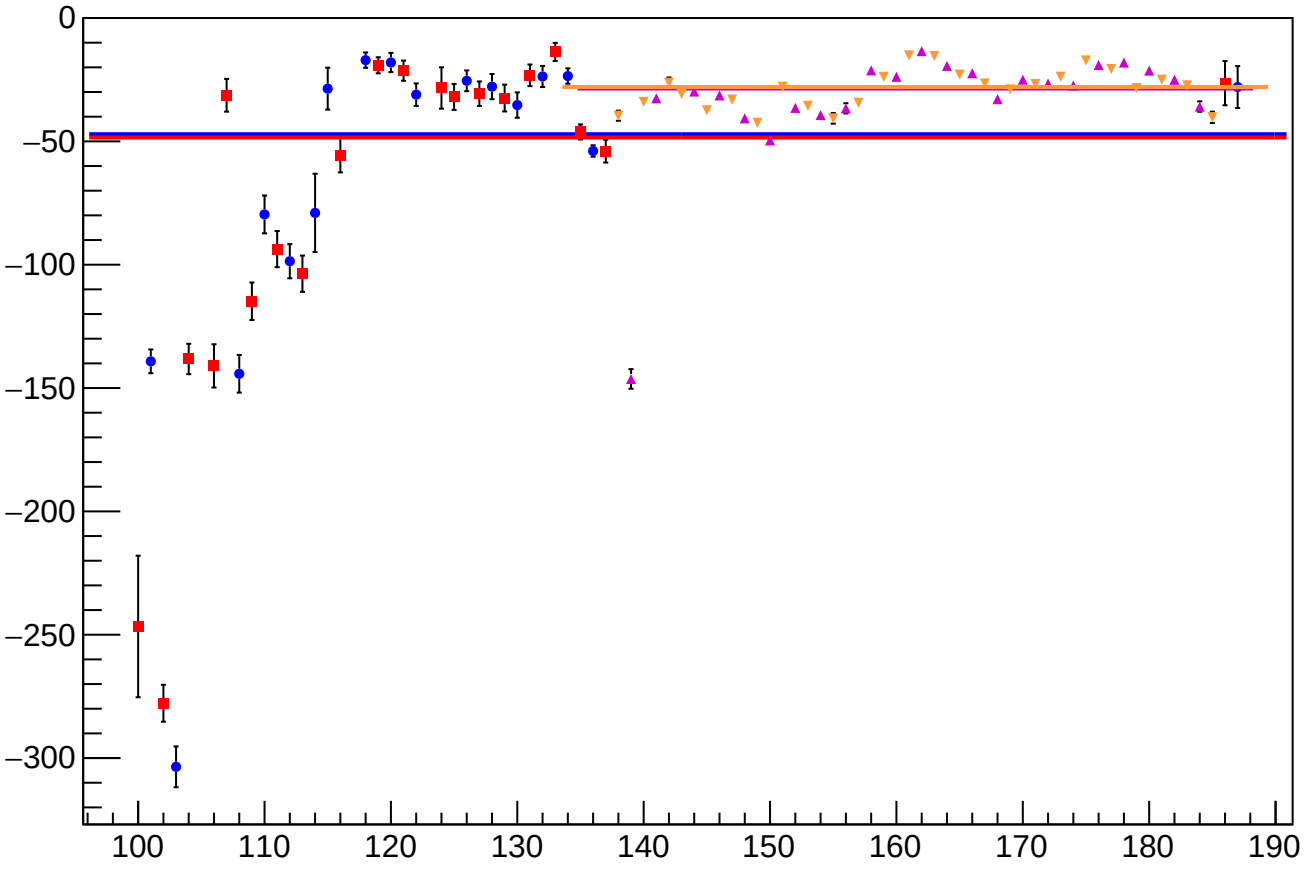
Right: 0.315+/-0.006 χ^2/NDF: 1428.1/36

In: 0.463+/-0.003 χ^2/NDF:1506.1/39

Out: 0.469+/-0.003 χ^2/NDF:2031.1/44

All: 0.466+/-0.002 χ^2/NDF: 3539.3/84


reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
190
Right In: -23.448+/-1.063 χ²/NDF: 182.3/16
Left Out: -49.516+/-0.402 χ²/NDF:576.3/24
Right Out: -26.229+/-1.123 χ²/NDF: 500.6/19
Left In: -48.087+/-0.418 χ²/NDF:706.2/22
Left: -48.829+/-0.290 χ²/NDF: 1288.6/47
Right: -24.763+/-0.772 χ²/NDF: 686.2/36
In: -44.782+/-0.389 χ²/NDF:1353.4/39
Out: -46.865+/-0.379 χ²/NDF:1458.2/44
All: -45.853+/-0.272 χ²/NDF: 2826.3/84



Right In: -47.100+/-1.092 χ^2/NDF: 1878.6/16

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -48.448+/-1.172 χ^2/NDF: 1780.8/19

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

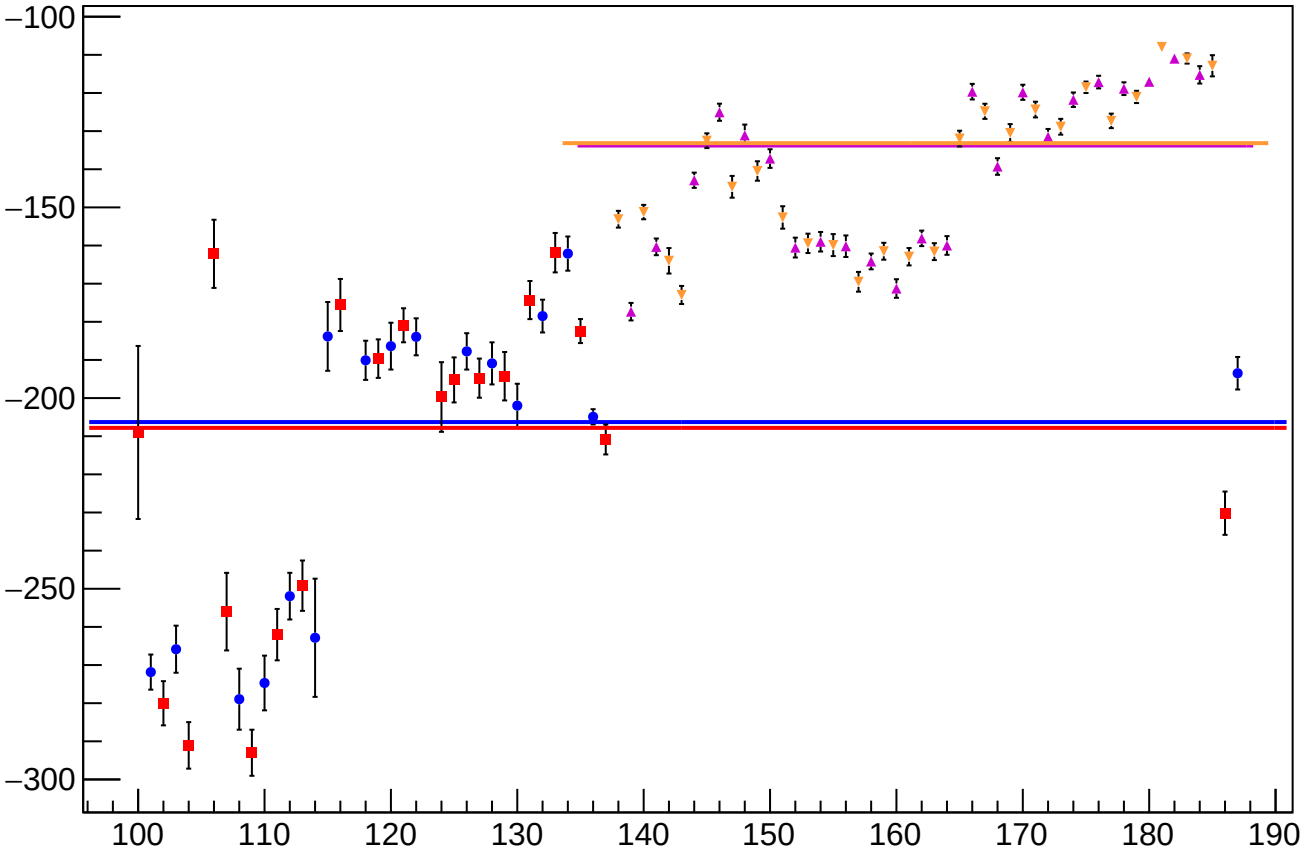
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -47.726+/-0.799 χ^2/NDF: 3660.1/36

In: -30.173+/-0.319 χ^2/NDF:3622.1/39

Out: -29.387+/-0.310 χ^2/NDF:2562.6/44

All: -29.768+/-0.222 χ^2/NDF: 6187.8/84



Right In: -206.290+/-1.136 χ^2/NDF: 758.2/16

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -207.810+/-1.248 χ^2/NDF: 985.8/19

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

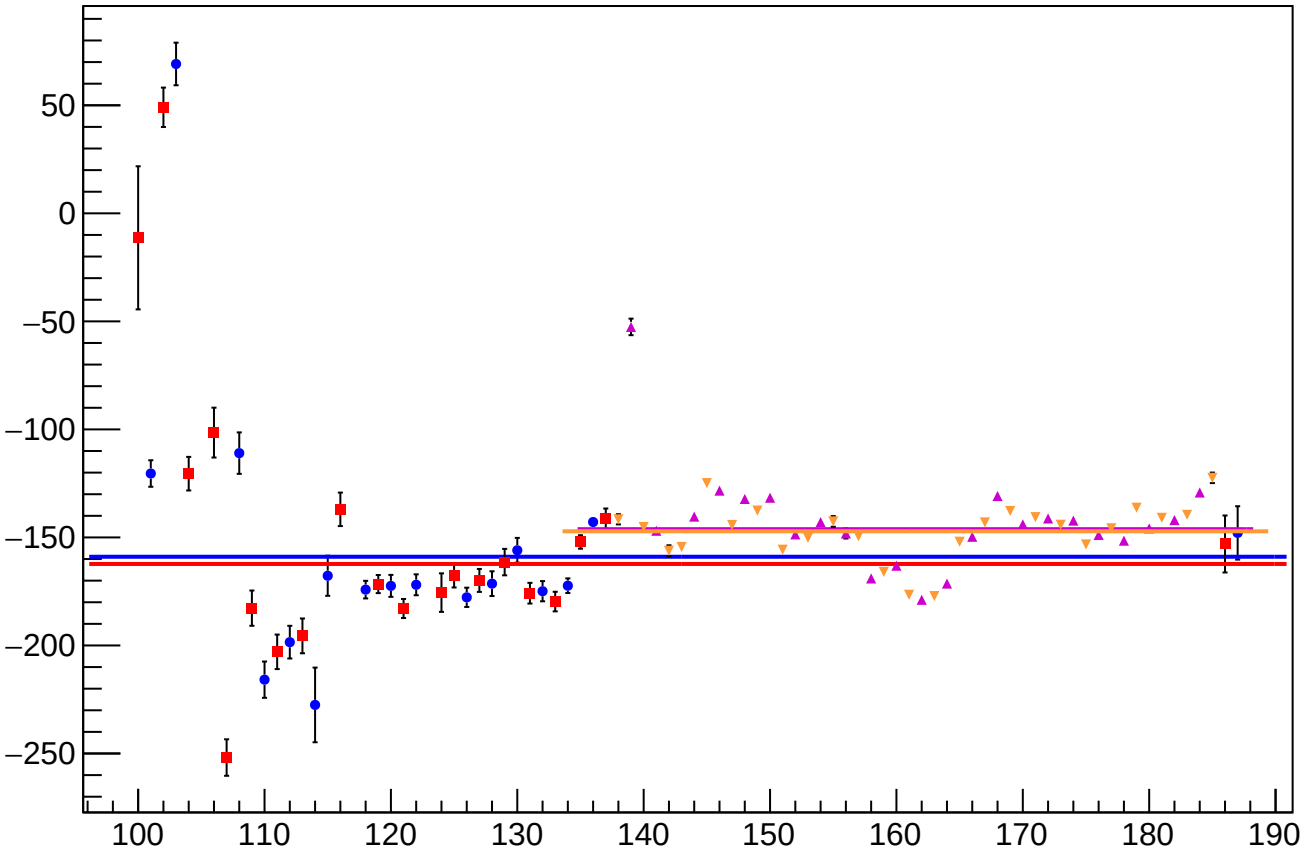
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

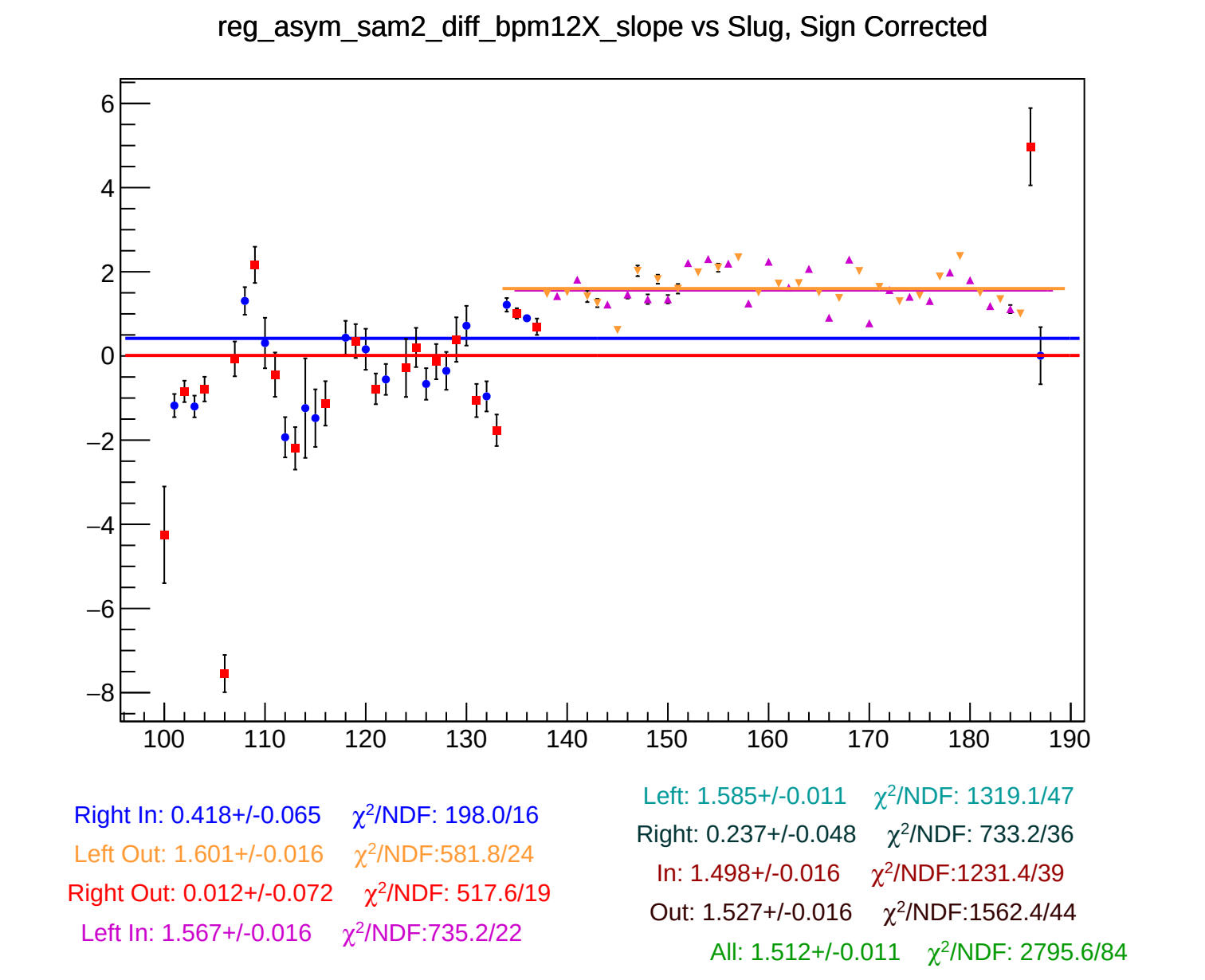
Right: -206.978+/-0.840 χ^2/NDF: 1744.7/36

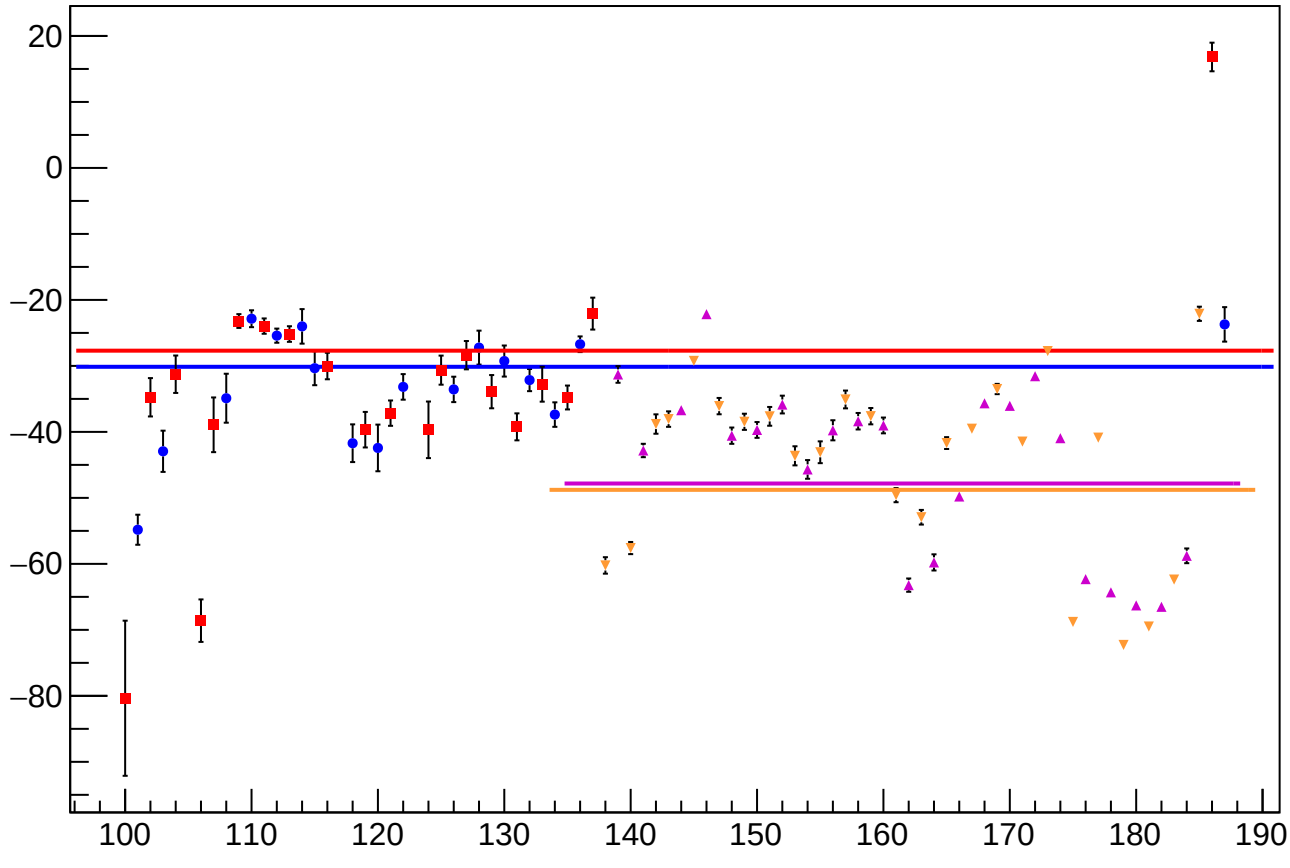
In: -142.389+/-0.391 χ^2/NDF:6790.5/39

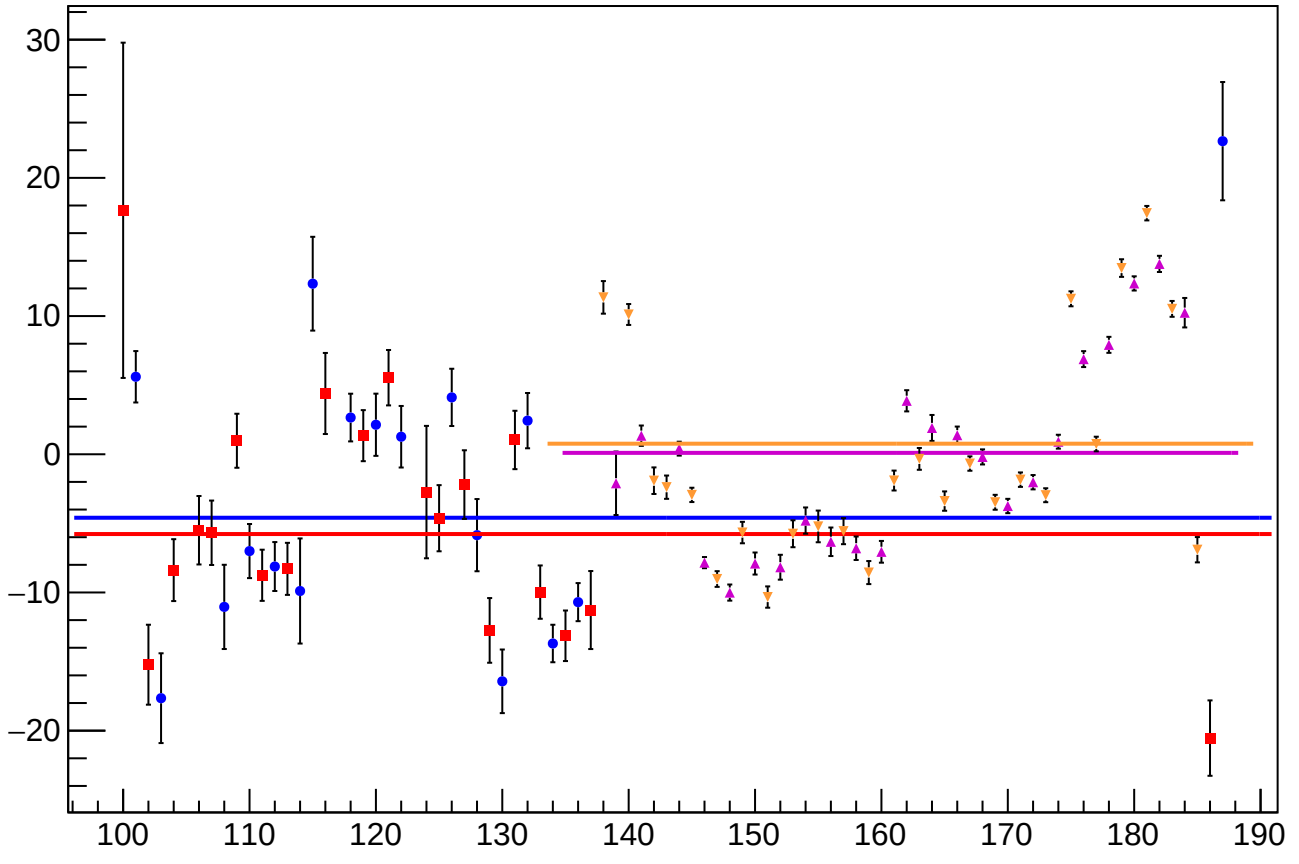
Out: -140.200+/-0.383 χ^2/NDF:6756.4/44

All: -141.272+/-0.274 χ^2/NDF: 13562.8/84


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
190
Right In: -158.940+/-1.219 χ²/NDF: 816.6/16
Left Out: -147.167+/-0.358 χ²/NDF:1245.6/24
Right Out: -162.276+/-1.317 χ²/NDF: 873.1/19
Left In: -146.173+/-0.371 χ²/NDF:1793.8/22
Left: -146.687+/-0.258 χ²/NDF: 3043.1/47
Right: -160.479+/-0.895 χ²/NDF: 1693.1/36
In: -147.252+/-0.355 χ²/NDF:2710.7/39
Out: -148.206+/-0.346 χ²/NDF:2241.2/44
All: -147.741+/-0.247 χ²/NDF: 4955.6/84


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.418+/-0.065 χ²/NDF: 198.0/16
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 0.012+/-0.072 χ²/NDF: 517.6/19
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 0.237+/-0.048 χ²/NDF: 733.2/36
In: 1.498+/-0.016 χ²/NDF:1231.4/39
Out: 1.527+/-0.016 χ²/NDF:1562.4/44
All: 1.512+/-0.011 χ²/NDF: 2795.6/84


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
190
Right In: -30.135+/-0.461 χ²/NDF: 259.8/16
Left Out: -48.783+/-0.167 χ²/NDF:8953.8/24
Right Out: -27.692+/-0.441 χ²/NDF: 768.7/19
Left In: -47.822+/-0.170 χ²/NDF:7223.0/22
Left: -48.311+/-0.119 χ²/NDF: 16193.1/47
Right: -28.861+/-0.319 χ²/NDF: 1043.2/36
In: -45.701+/-0.159 χ²/NDF:8781.0/39
Out: -46.145+/-0.156 χ²/NDF:11723.3/44
All: -45.928+/-0.112 χ²/NDF: 20508.3/84



Right In: -4.593+/-0.506 χ^2/NDF: 278.4/16

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.772+/-0.514 χ^2/NDF: 166.8/19

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

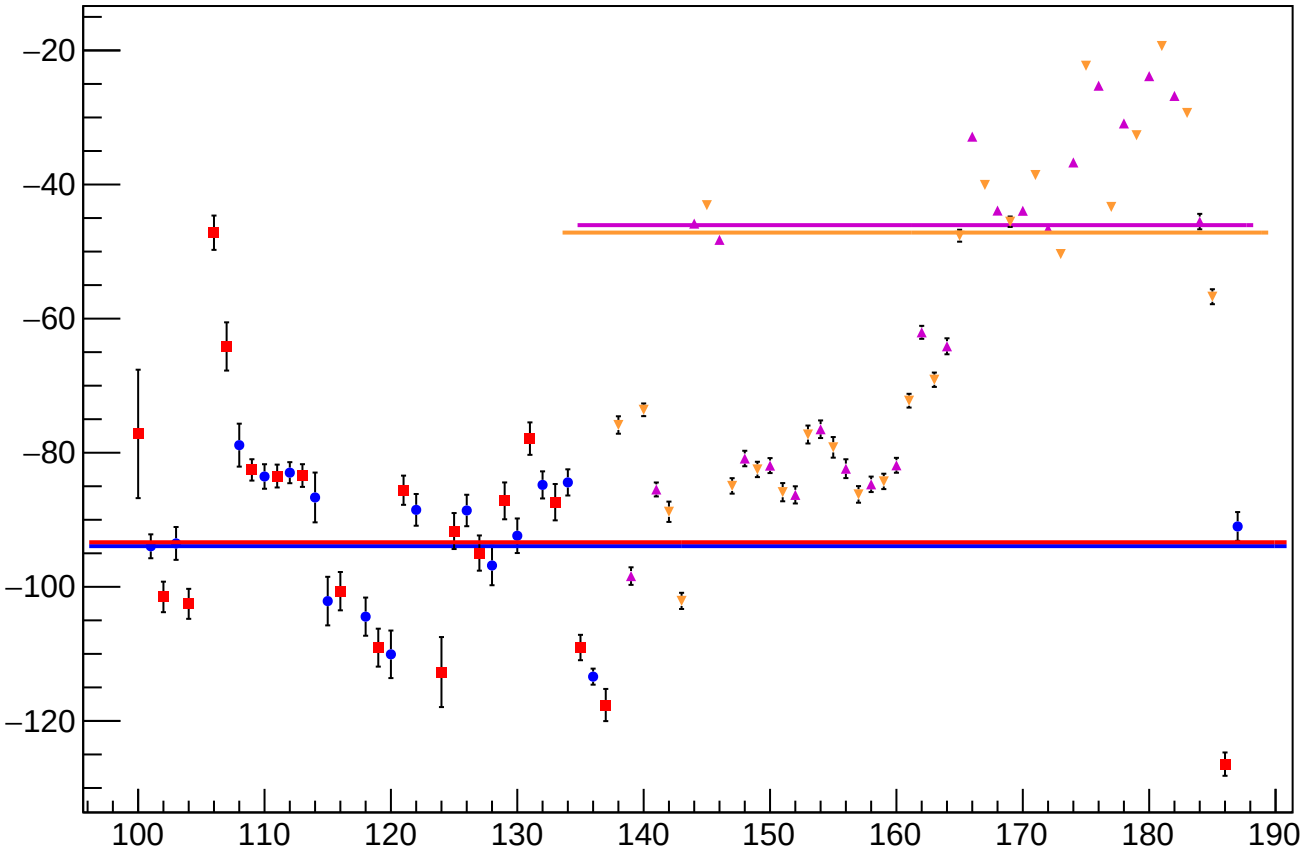
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

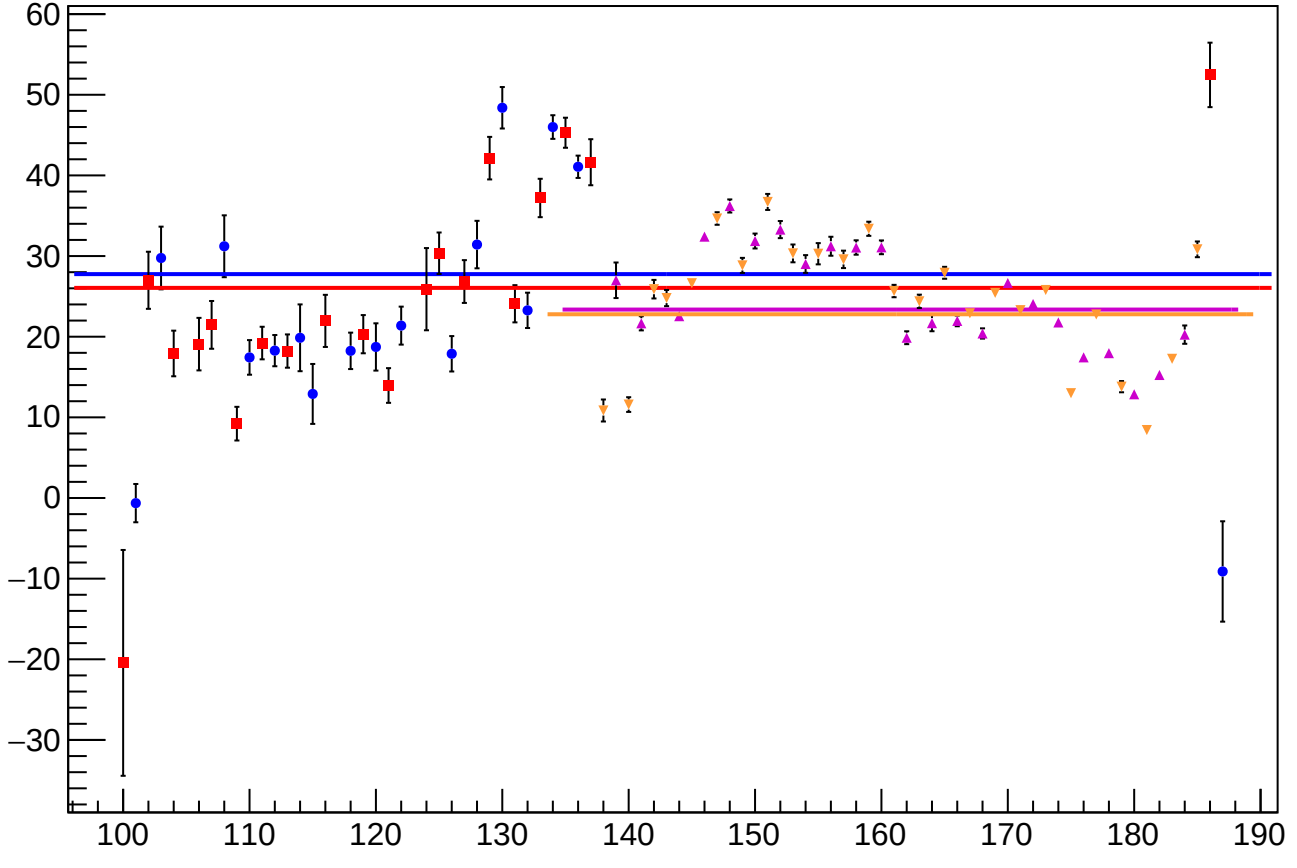
Right: -5.173+/-0.361 χ^2/NDF: 448.0/36

In: -0.201+/-0.129 χ^2/NDF:3080.8/39

Out: 0.360+/-0.128 χ^2/NDF:3785.7/44

All: 0.080+/-0.091 χ^2/NDF: 6876.0/84


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
190
Right In: -93.932+/-0.521 χ²/NDF: 468.8/16
Left Out: -47.167+/-0.168 χ²/NDF:17658.5/24
Right Out: -93.350+/-0.518 χ²/NDF: 1186.5/19
Left In: -46.058+/-0.170 χ²/NDF:14769.8/22
Left: -46.621+/-0.119 χ²/NDF: 32449.9/47
Right: -93.640+/-0.367 χ²/NDF: 1655.9/36
In: -50.673+/-0.162 χ²/NDF:22868.3/39
Out: -51.537+/-0.159 χ²/NDF:26033.9/44
All: -51.111+/-0.114 χ²/NDF: 48916.7/84



Right In: 27.760+/-0.567 χ^2/NDF: 618.5/16

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 26.053+/-0.584 χ^2/NDF: 399.2/19

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

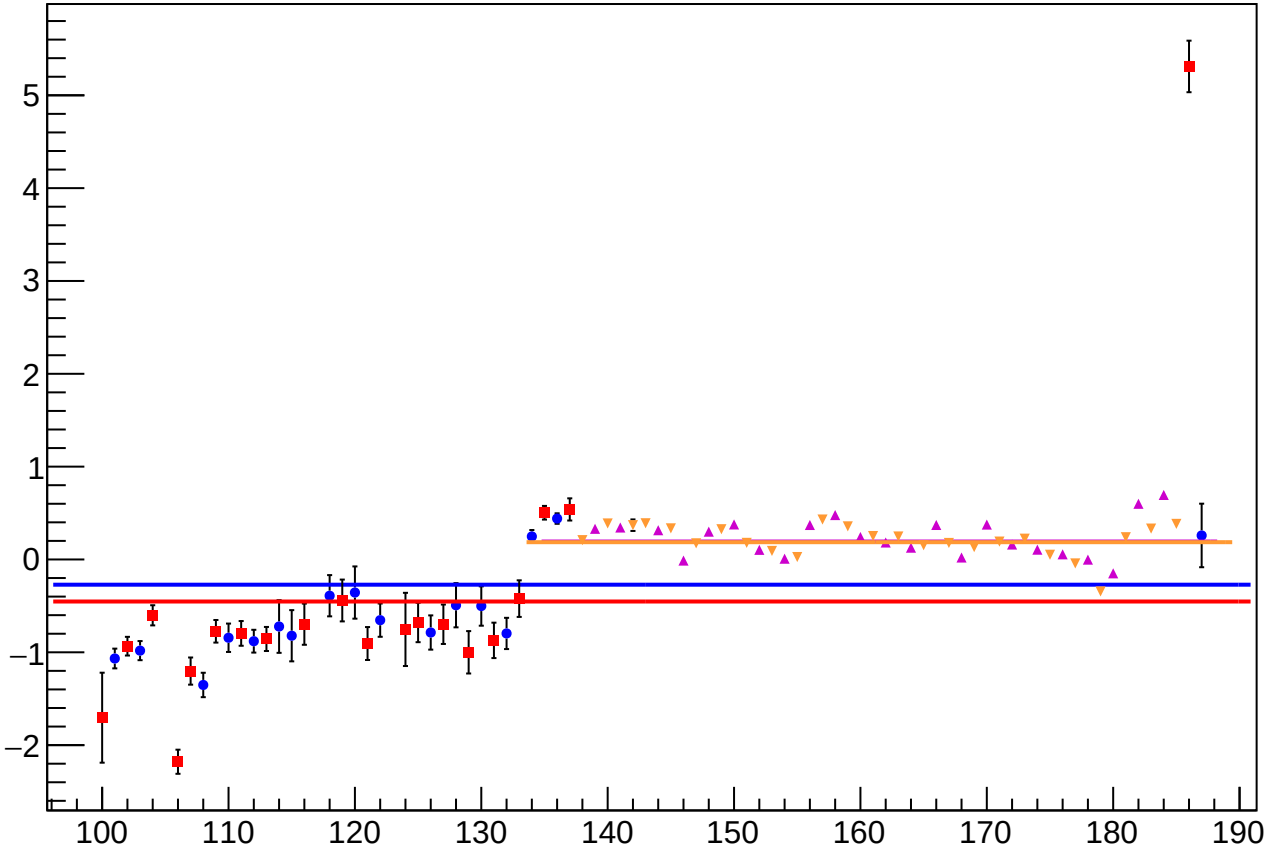
Right: 26.933+/-0.407 χ^2/NDF: 1022.2/36

In: 23.649+/-0.144 χ^2/NDF:2460.1/39

Out: 22.978+/-0.143 χ^2/NDF:2841.7/44

All: 23.311+/-0.101 χ^2/NDF: 5312.8/84

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.031 χ^2/NDF: 458.0/16

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.453+/-0.033 χ^2/NDF: 947.4/19

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

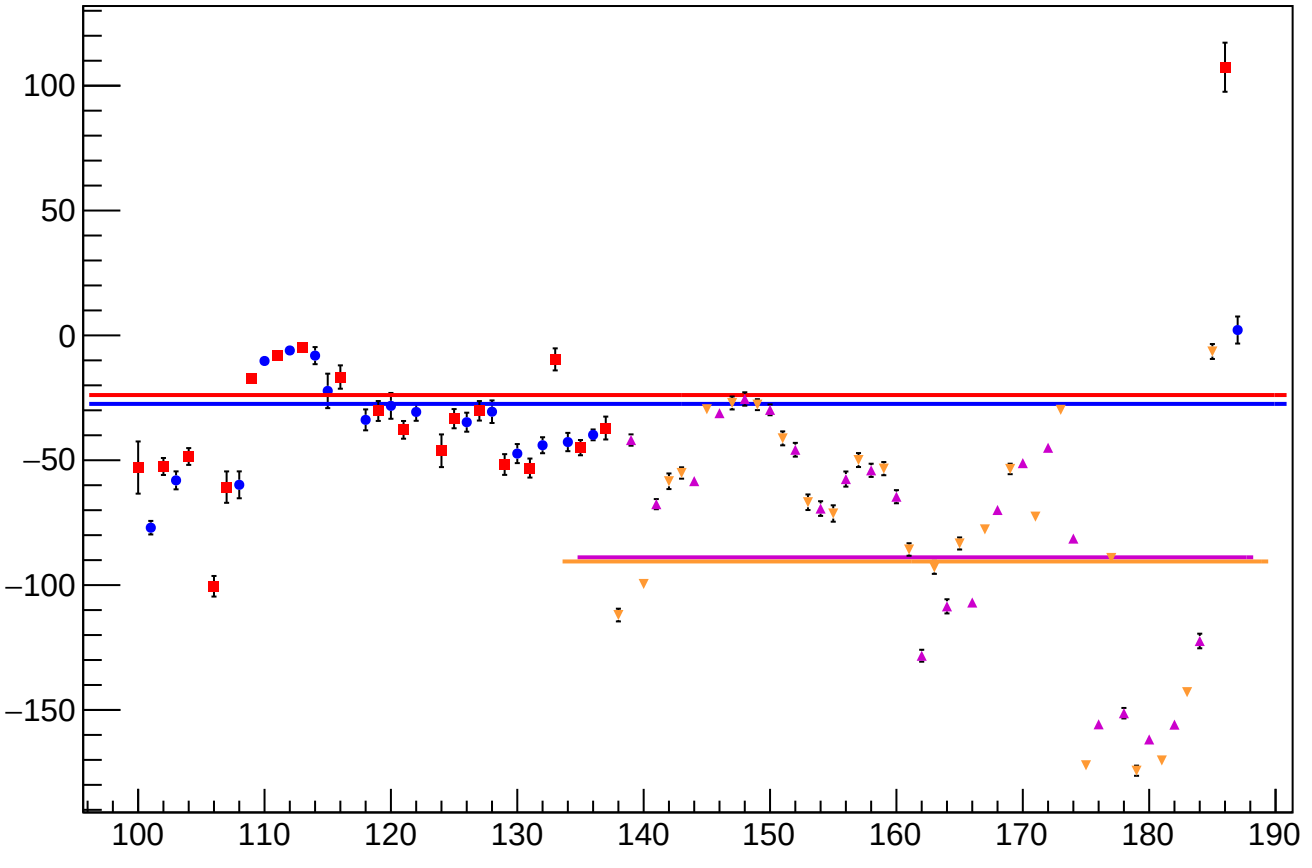
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.356+/-0.022 χ^2/NDF: 1421.9/36

In: 0.172+/-0.007 χ^2/NDF:1617.8/39

Out: 0.161+/-0.006 χ^2/NDF:1961.9/44

All: 0.167+/-0.005 χ^2/NDF: 3581.1/84



Right In: -27.434+/-0.721 χ^2/NDF: 925.0/16

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -23.888+/-0.661 χ^2/NDF: 1168.8/19

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

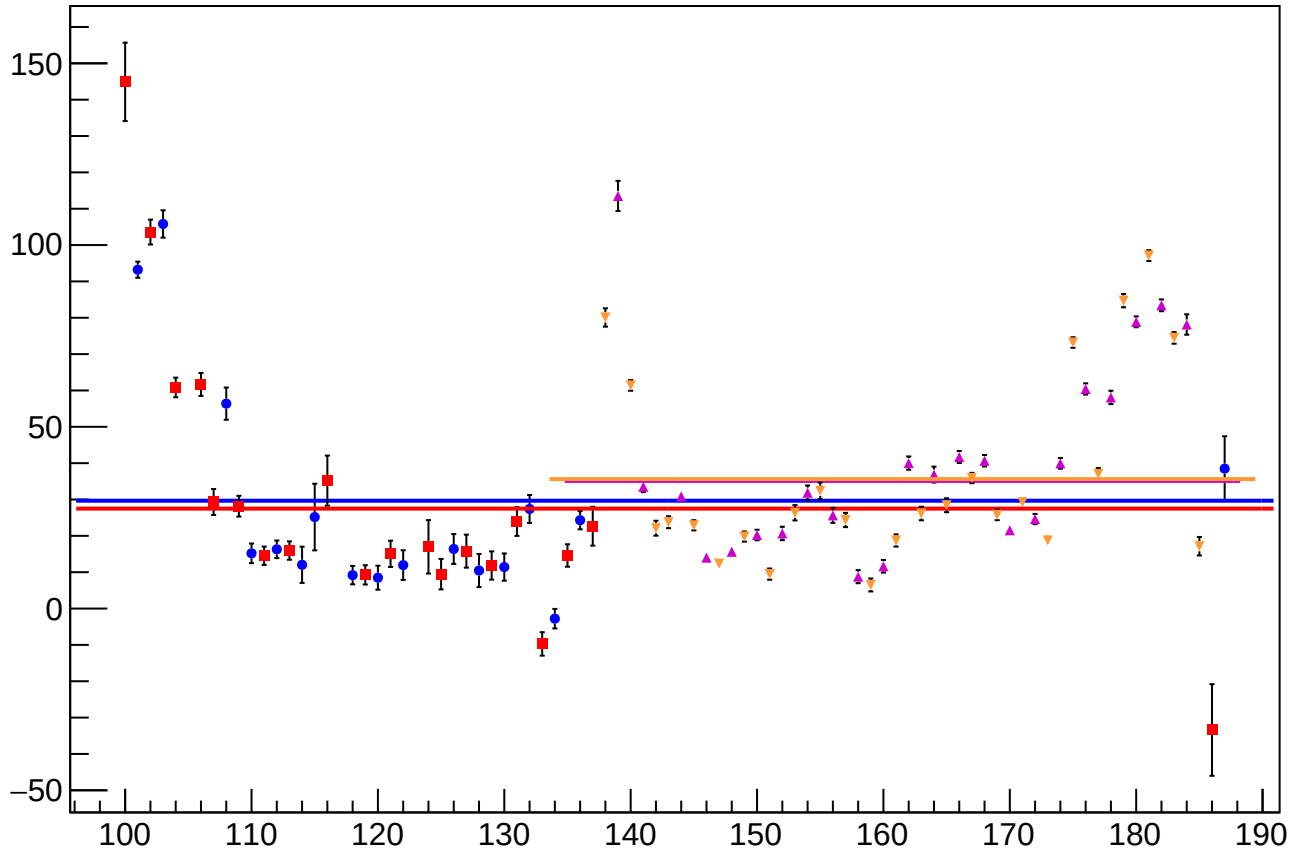
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -25.508+/-0.487 χ^2/NDF: 2107.0/36

In: -72.519+/-0.372 χ^2/NDF:18069.0/39

Out: -71.297+/-0.355 χ^2/NDF:23751.1/44

All: -71.880+/-0.257 χ^2/NDF: 41825.7/84



Right In: 29.667+/-0.804 χ^2/NDF: 1666.7/16

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 27.492+/-0.795 χ^2/NDF: 1208.5/19

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

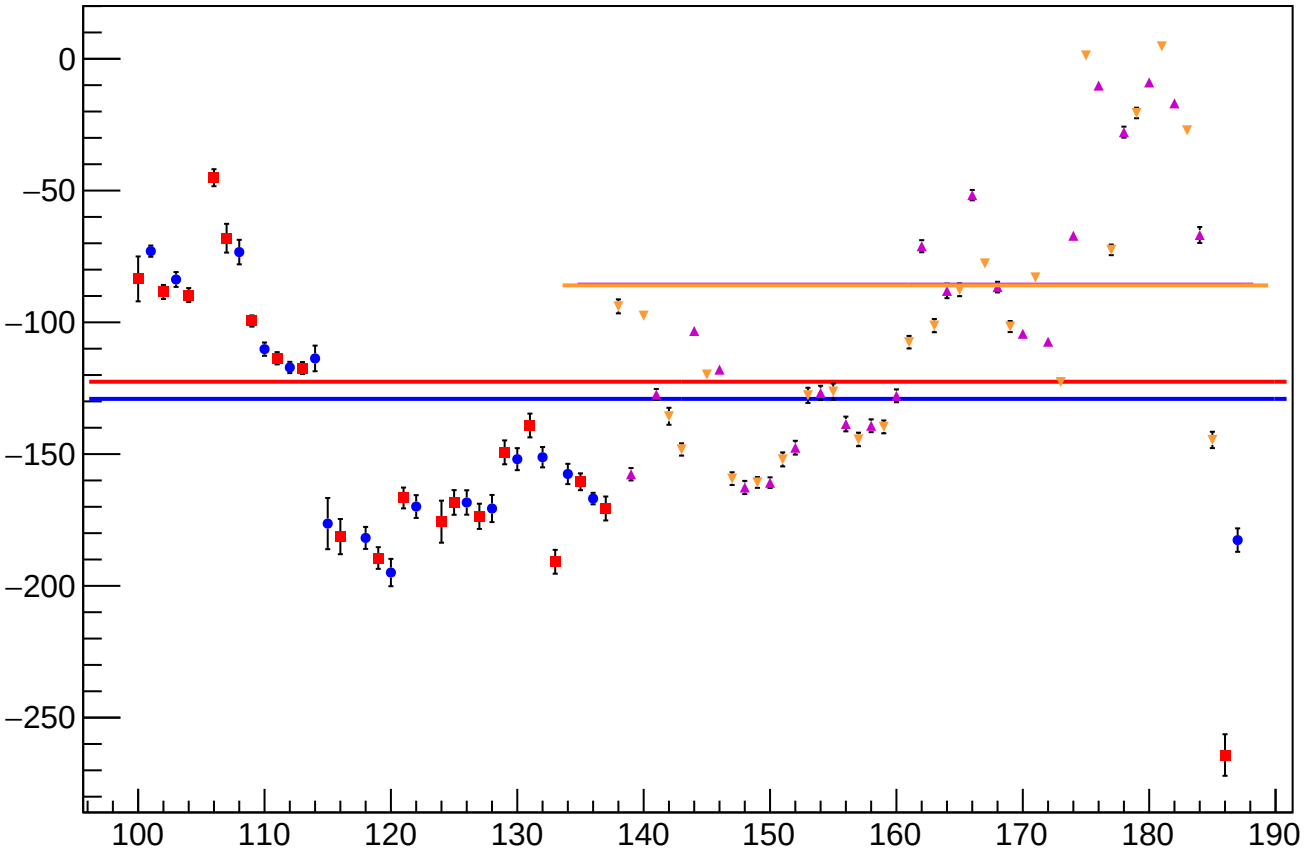
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

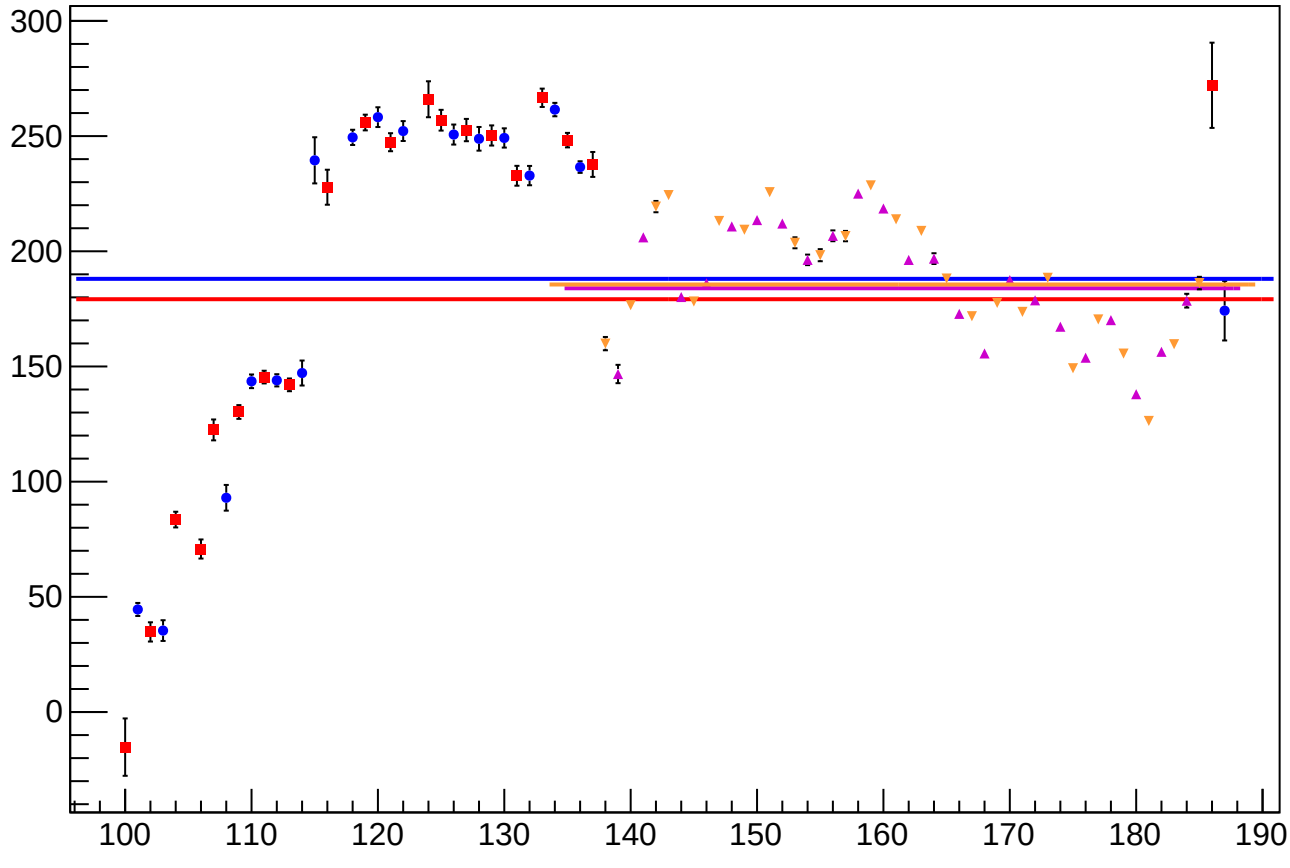
Right: 28.568+/-0.565 χ^2/NDF: 2878.9/36

In: 34.300+/-0.310 χ^2/NDF:5850.2/39

Out: 34.446+/-0.301 χ^2/NDF:7270.8/44

All: 34.375+/-0.216 χ^2/NDF: 13121.1/84


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
190
Right In: -129.049+/-0.815 χ²/NDF: 2328.0/16
Left Out: -85.969+/-0.421 χ²/NDF:16232.5/24
Right Out: -122.537+/-0.794 χ²/NDF: 2723.5/19
Left In: -85.705+/-0.432 χ²/NDF:13758.7/22
Left: -85.841+/-0.302 χ²/NDF: 29991.4/47
Right: -125.705+/-0.569 χ²/NDF: 5084.3/36
In: -95.222+/-0.382 χ²/NDF:18292.2/39
Out: -93.994+/-0.372 χ²/NDF:20613.2/44
All: -94.591+/-0.266 χ²/NDF: 38910.7/84



Right In: 188.037+/-0.916 χ^2/NDF: 7119.8/16

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 179.194+/-0.907 χ^2/NDF: 6694.1/19

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

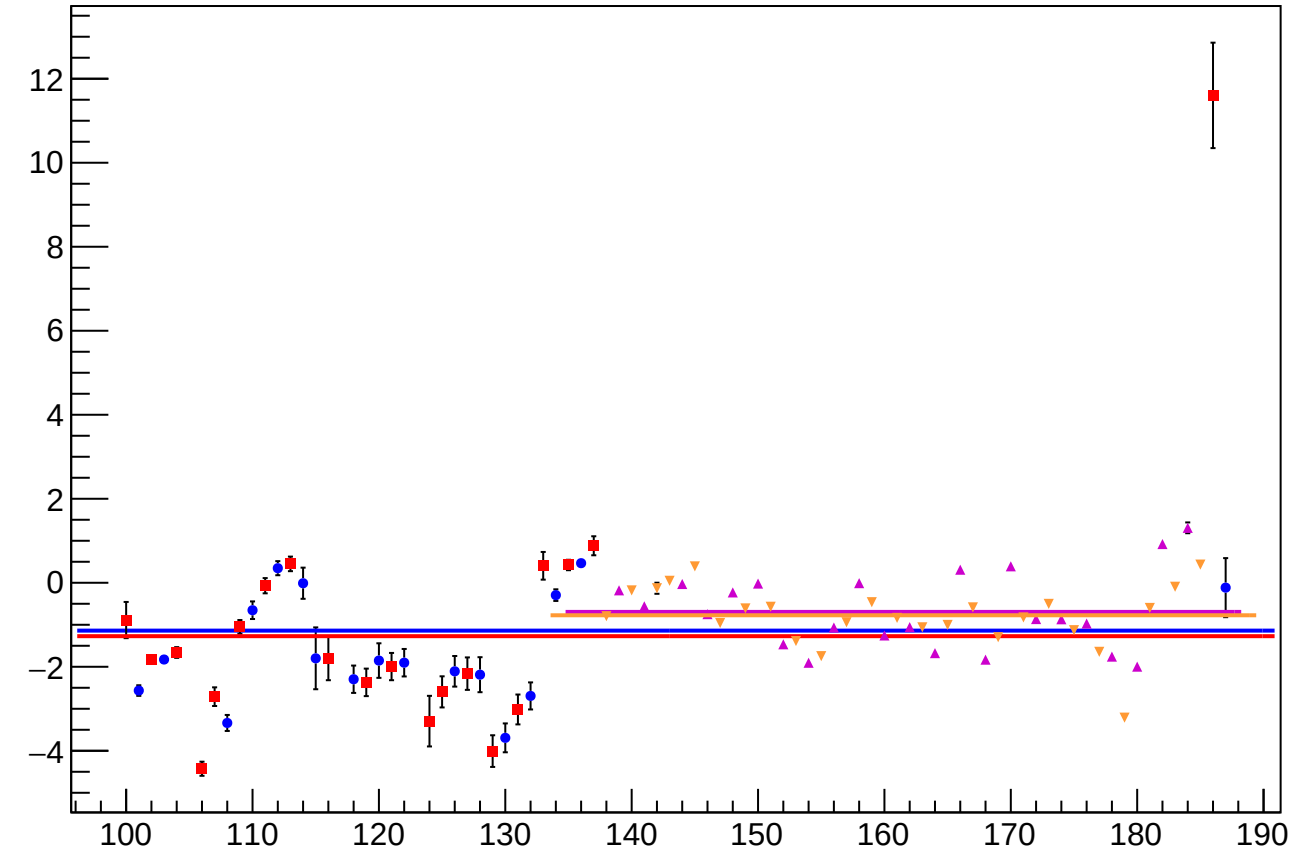
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 183.573+/-0.644 χ^2/NDF: 13860.9/36

In: 184.535+/-0.349 χ^2/NDF:11010.4/39

Out: 184.685+/-0.340 χ^2/NDF:12091.4/44

All: 184.612+/-0.244 χ^2/NDF: 23101.9/84



Right In: -1.139+/-0.048 χ^2/NDF: 789.5/16

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.272+/-0.047 χ^2/NDF: 1103.6/19

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

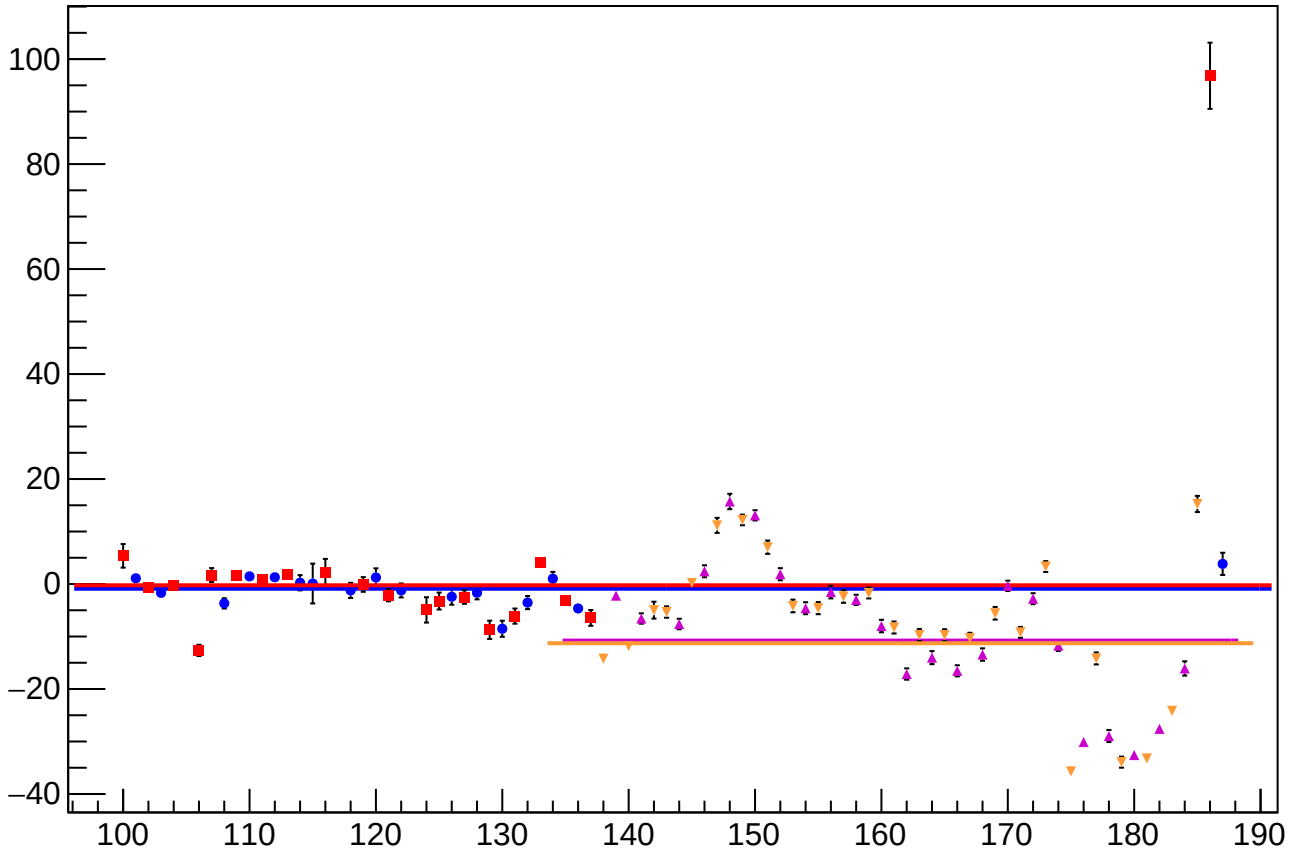
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.206+/-0.034 χ^2/NDF: 1897.0/36

In: -0.742+/-0.016 χ^2/NDF:3431.9/39

Out: -0.827+/-0.016 χ^2/NDF:3024.9/44

All: -0.786+/-0.011 χ^2/NDF: 6471.4/84



Right In: -0.896+/-0.251 χ^2/NDF: 108.3/16

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.243+/-0.224 χ^2/NDF: 517.8/19

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

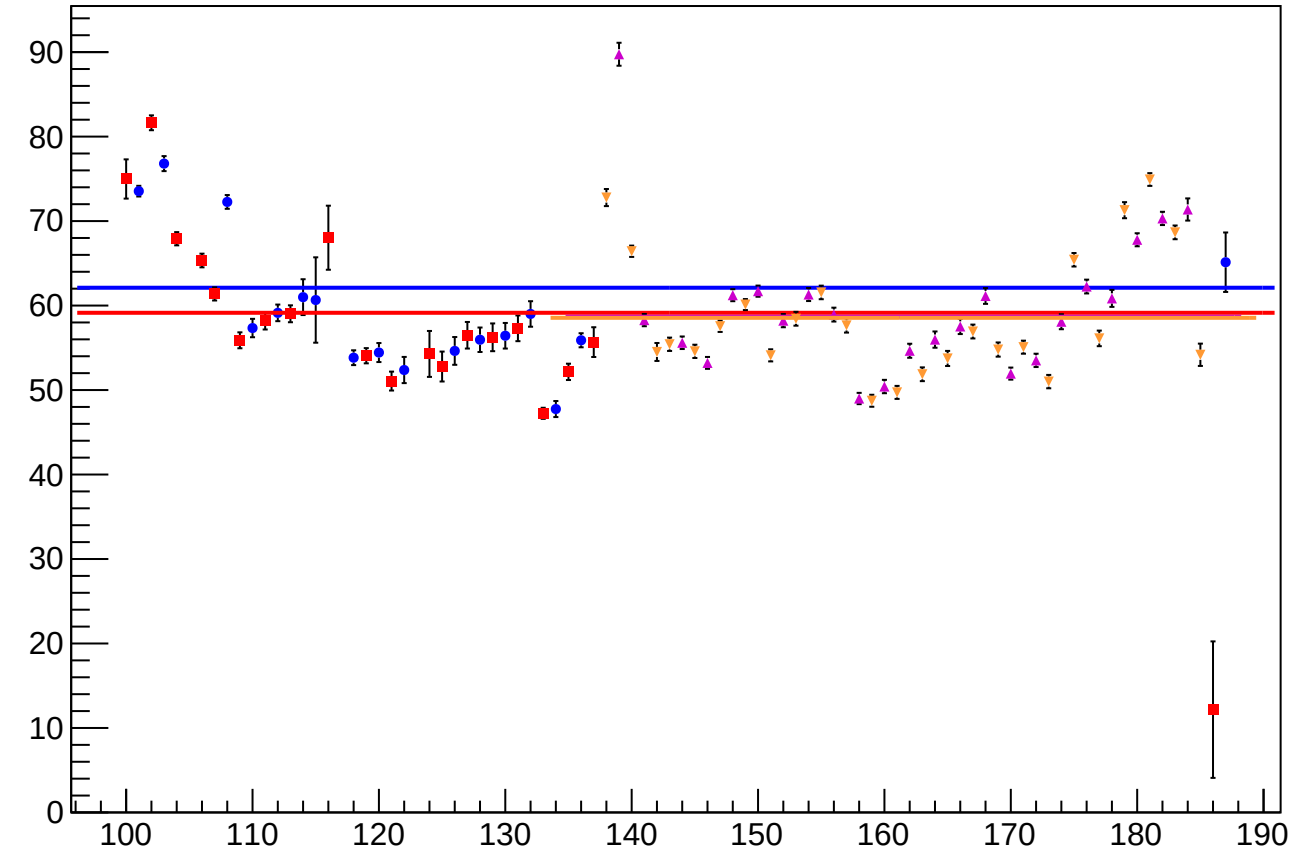
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -0.532+/-0.167 χ^2/NDF: 629.9/36

In: -6.639+/-0.163 χ^2/NDF:4705.2/39

Out: -6.162+/-0.152 χ^2/NDF:6325.3/44

All: -6.385+/-0.111 χ^2/NDF: 11035.1/84



Right In: 62.111+/-0.265 χ^2/NDF: 1302.0/16

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 59.145+/-0.244 χ^2/NDF: 1436.0/19

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

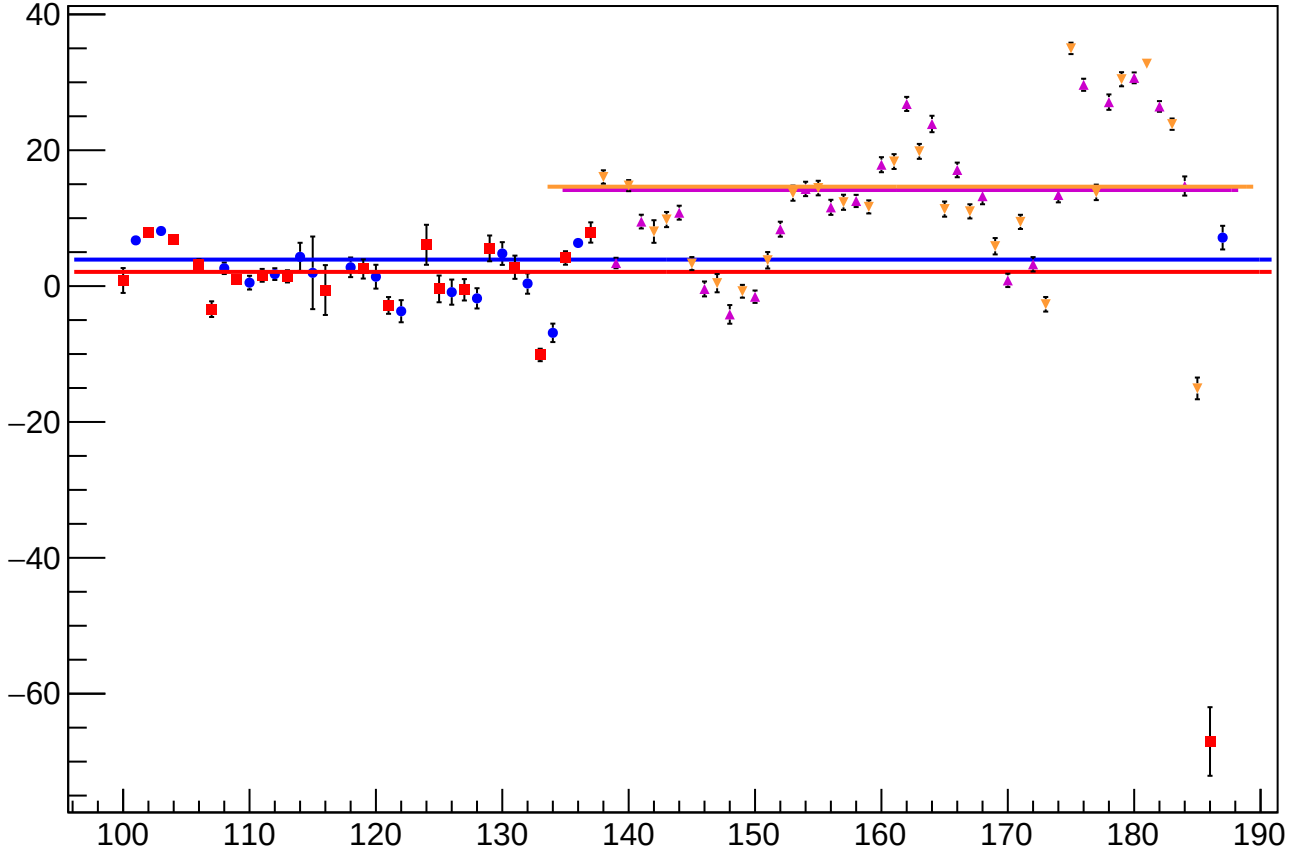
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 60.506+/-0.179 χ^2/NDF: 2806.0/36

In: 59.668+/-0.142 χ^2/NDF:3035.2/39

Out: 58.731+/-0.134 χ^2/NDF:3342.7/44

All: 59.174+/-0.098 χ^2/NDF: 6400.8/84



Right In: 3.903+/-0.262 χ^2/NDF: 212.1/16

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 2.092+/-0.246 χ^2/NDF: 559.7/19

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

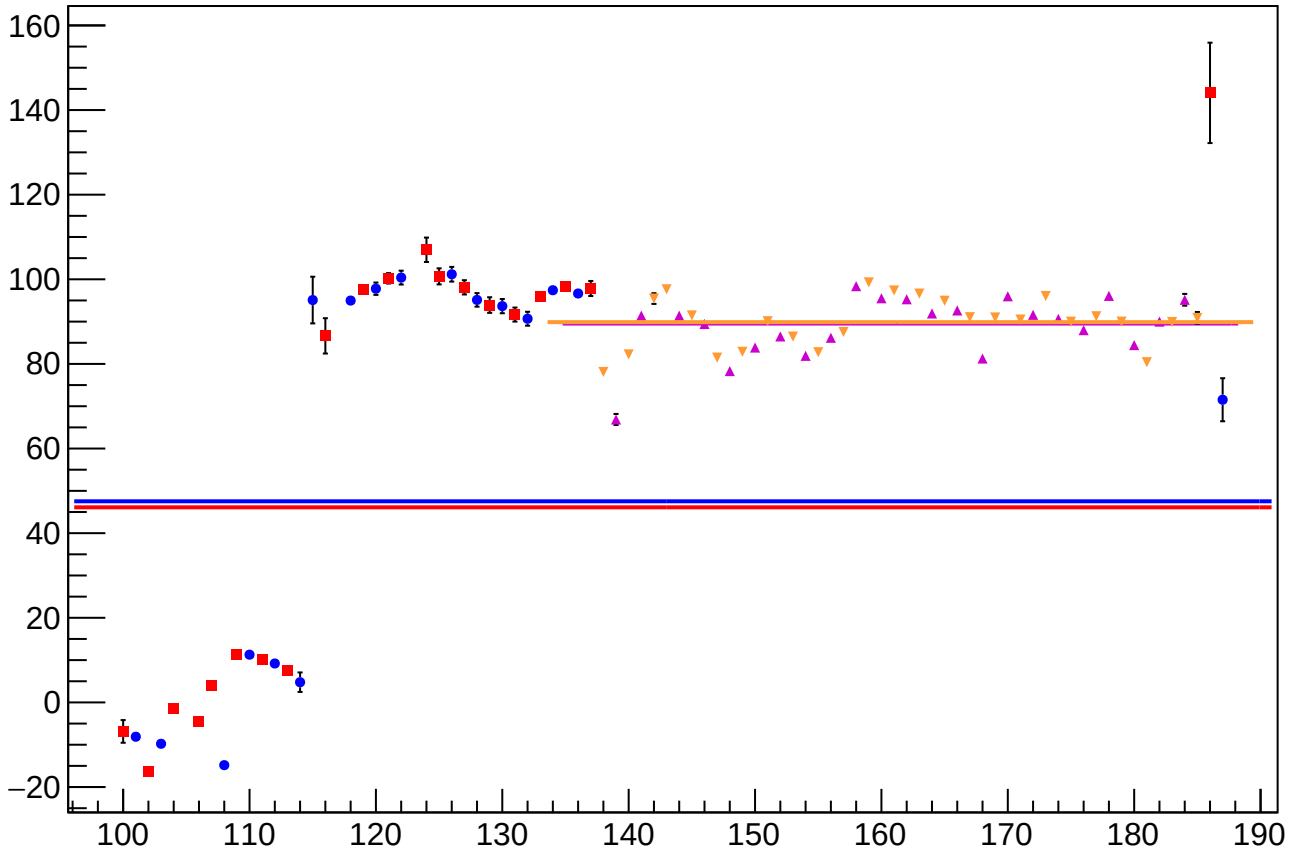
Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

Right: 2.940+/-0.179 χ^2/NDF: 797.2/36

In: 10.115+/-0.165 χ^2/NDF:3678.4/39

Out: 9.448+/-0.158 χ^2/NDF:5044.3/44

All: 9.769+/-0.114 χ^2/NDF: 8731.2/84



Right In: 47.531+/-0.307 χ^2/NDF: 26909.2/16

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 46.109+/-0.284 χ^2/NDF: 28966.0/19

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

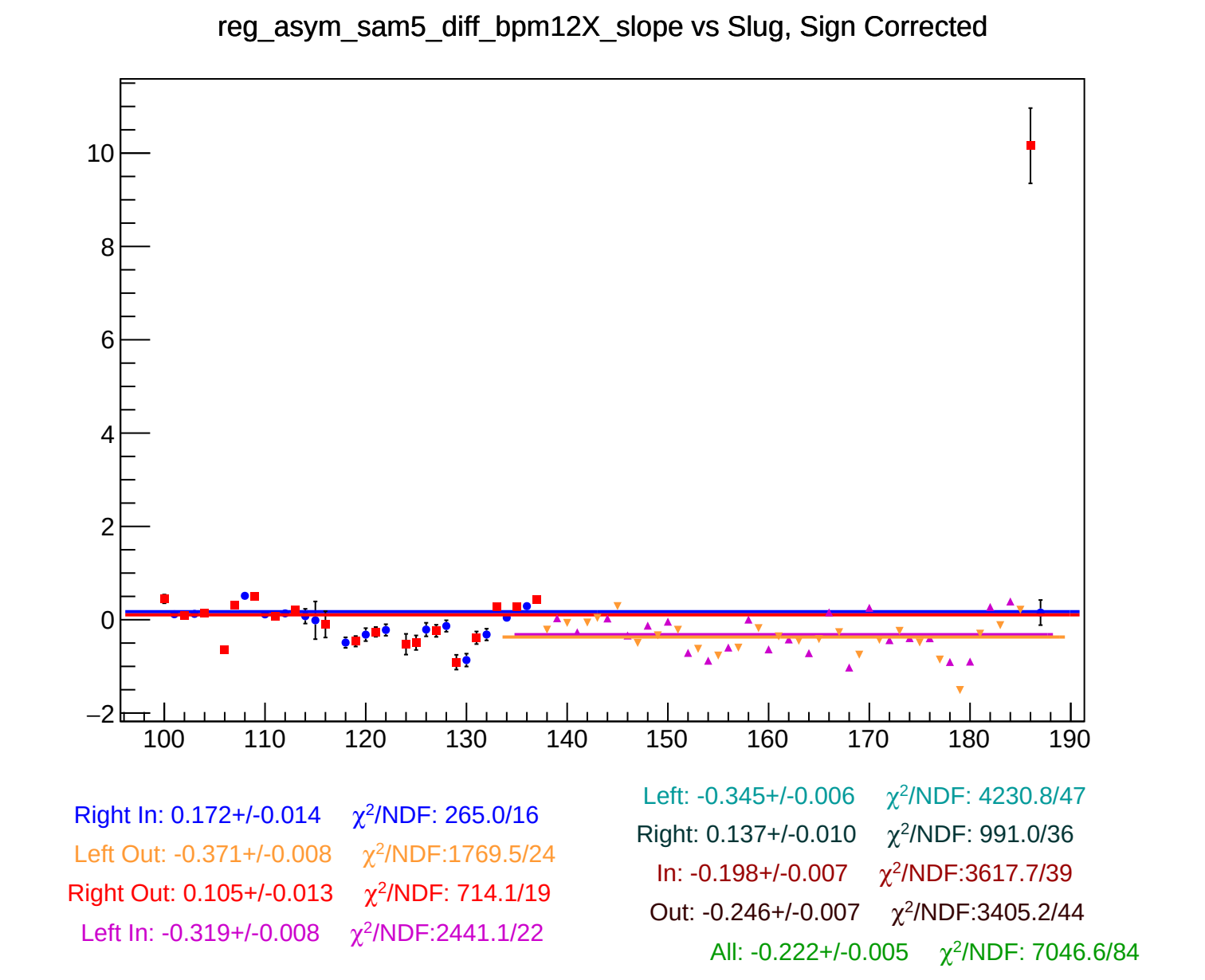
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

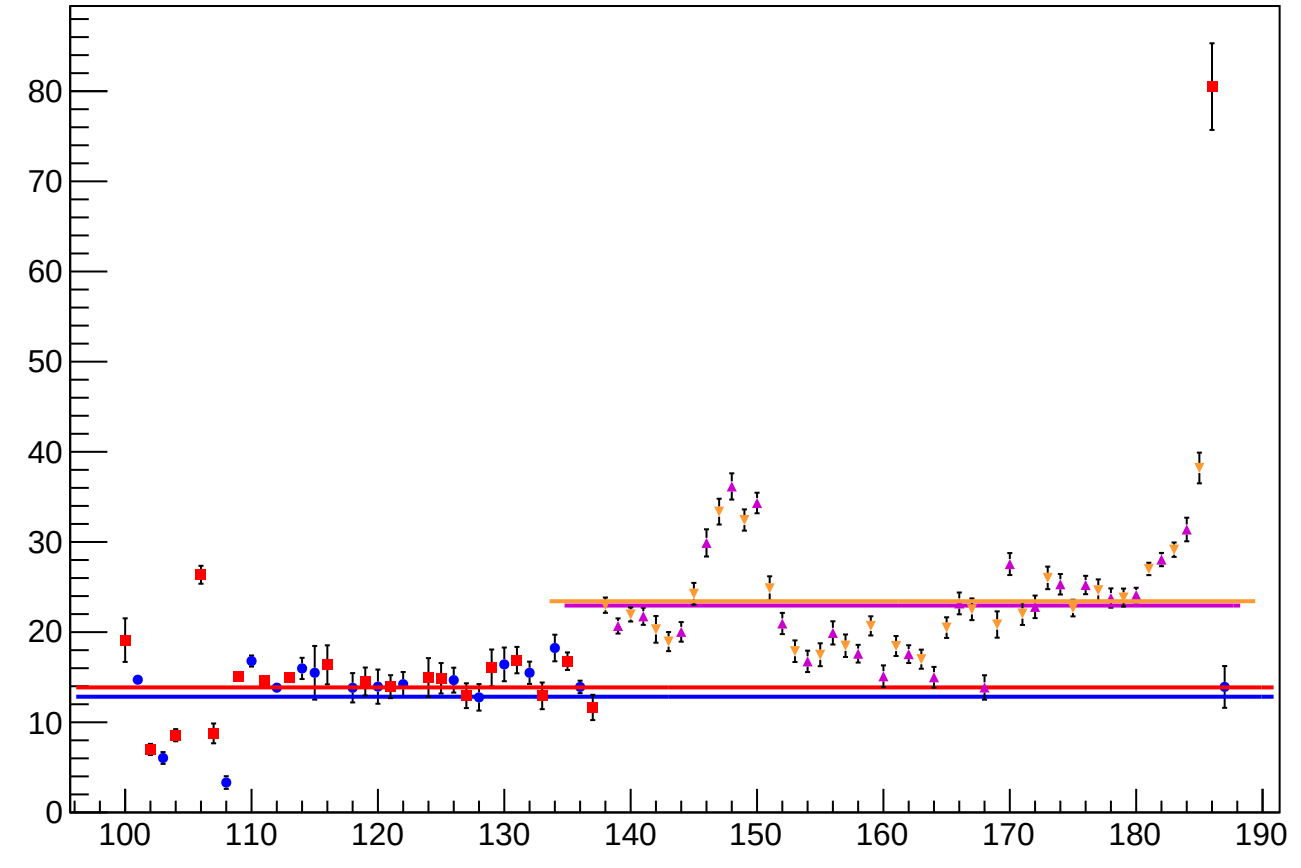
Right: 46.765+/-0.209 χ^2/NDF: 55886.7/36

In: 78.152+/-0.160 χ^2/NDF:41609.5/39

Out: 77.253+/-0.153 χ^2/NDF:46888.9/44

All: 77.681+/-0.111 χ^2/NDF: 88514.9/84


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.172+/-0.014 χ²/NDF: 265.0/16
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: 0.105+/-0.013 χ²/NDF: 714.1/19
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: 0.137+/-0.010 χ²/NDF: 991.0/36
In: -0.198+/-0.007 χ²/NDF:3617.7/39
Out: -0.246+/-0.007 χ²/NDF:3405.2/44
All: -0.222+/-0.005 χ²/NDF: 7046.6/84



Right In: 12.837+/-0.213 χ^2/NDF: 388.2/16

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.870+/-0.204 χ^2/NDF: 596.5/19

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

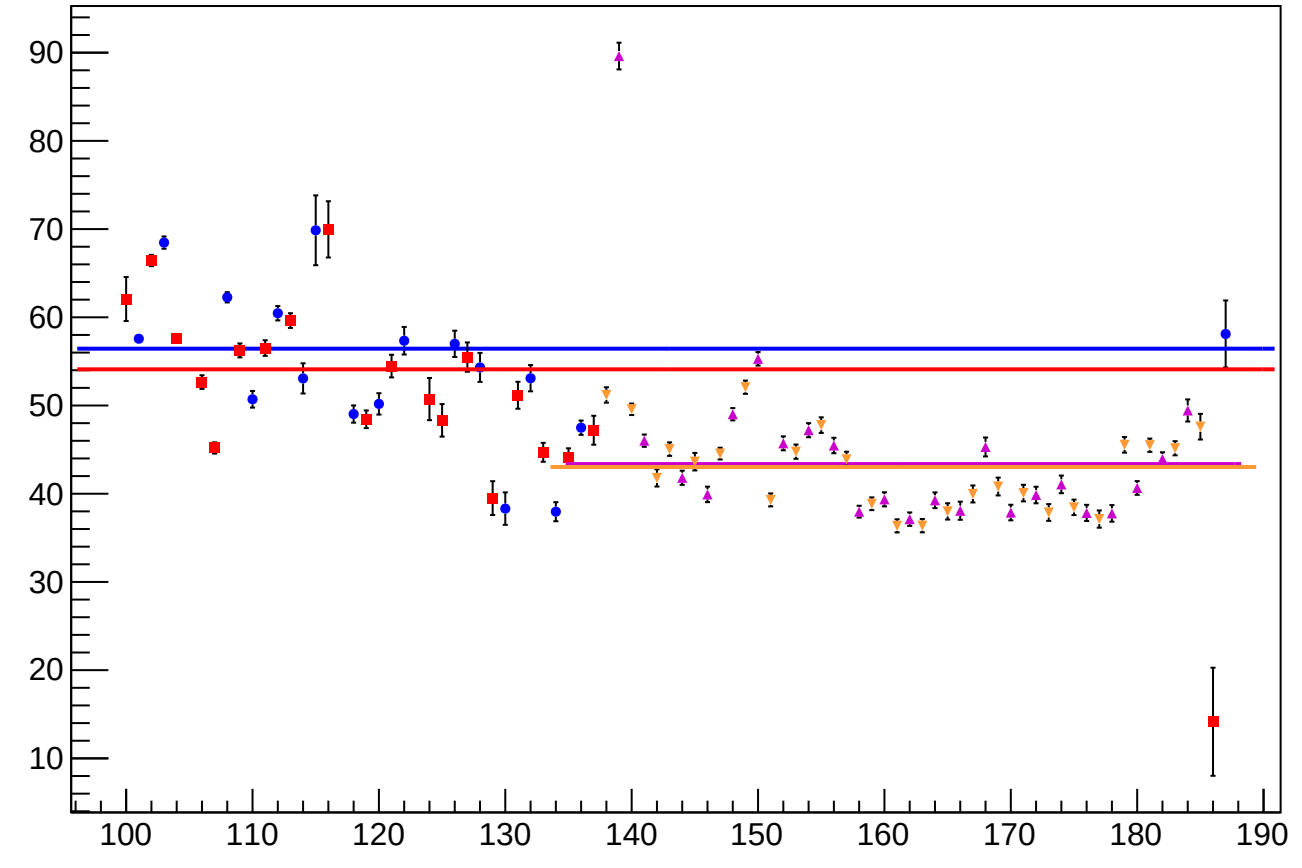
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.376+/-0.147 χ^2/NDF: 997.0/36

In: 17.611+/-0.155 χ^2/NDF:2016.2/39

Out: 18.380+/-0.148 χ^2/NDF:2061.0/44

All: 18.012+/-0.107 χ^2/NDF: 4090.1/84



Right In: 56.444+/-0.221 χ^2/NDF: 1088.2/16

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 54.103+/-0.224 χ^2/NDF: 1049.2/19

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

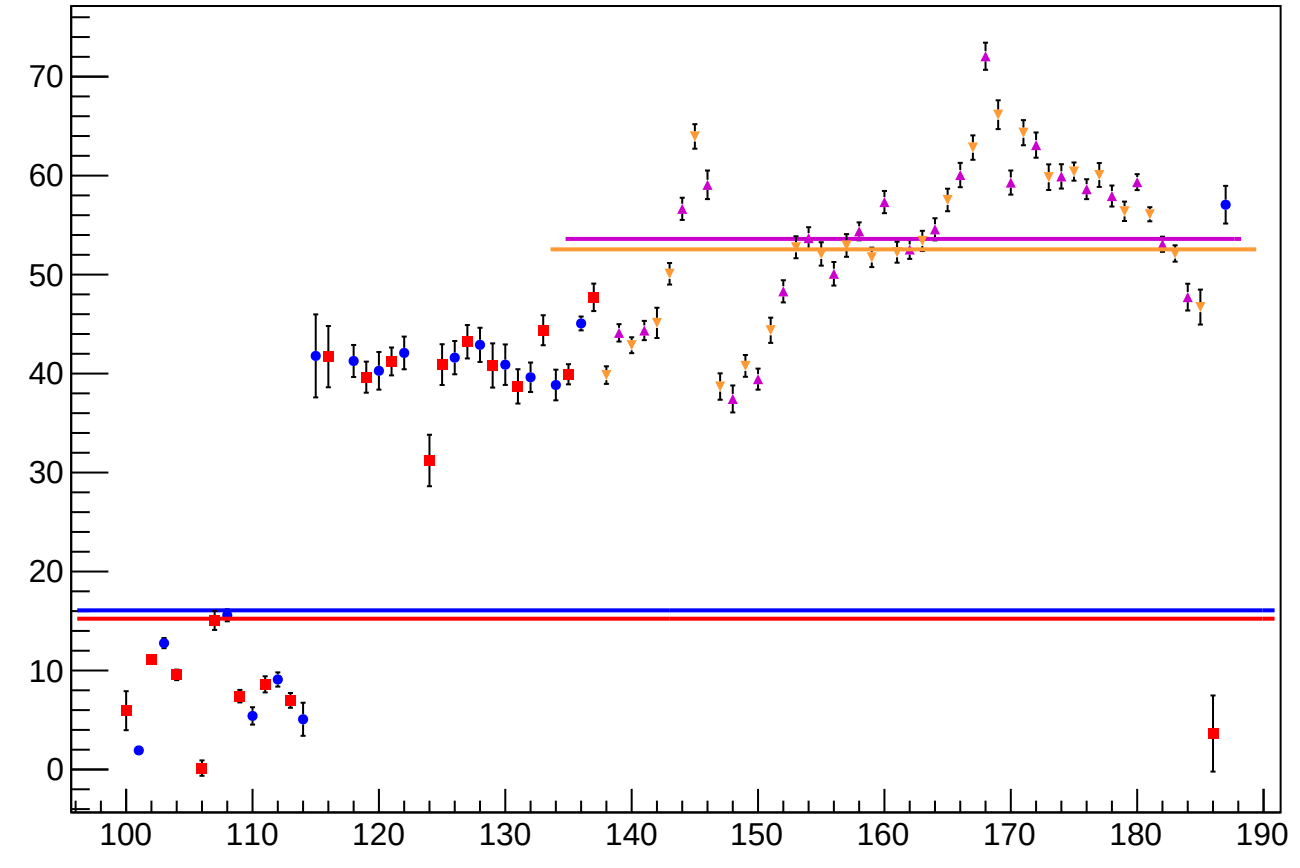
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 55.289+/-0.158 χ^2/NDF: 2192.5/36

In: 48.463+/-0.138 χ^2/NDF:4900.7/39

Out: 46.985+/-0.134 χ^2/NDF:3395.4/44

All: 47.702+/-0.096 χ^2/NDF: 8354.9/84



Right In: 16.079+/-0.213 χ^2/NDF: 5645.3/16

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 15.234+/-0.219 χ^2/NDF: 3882.2/19

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

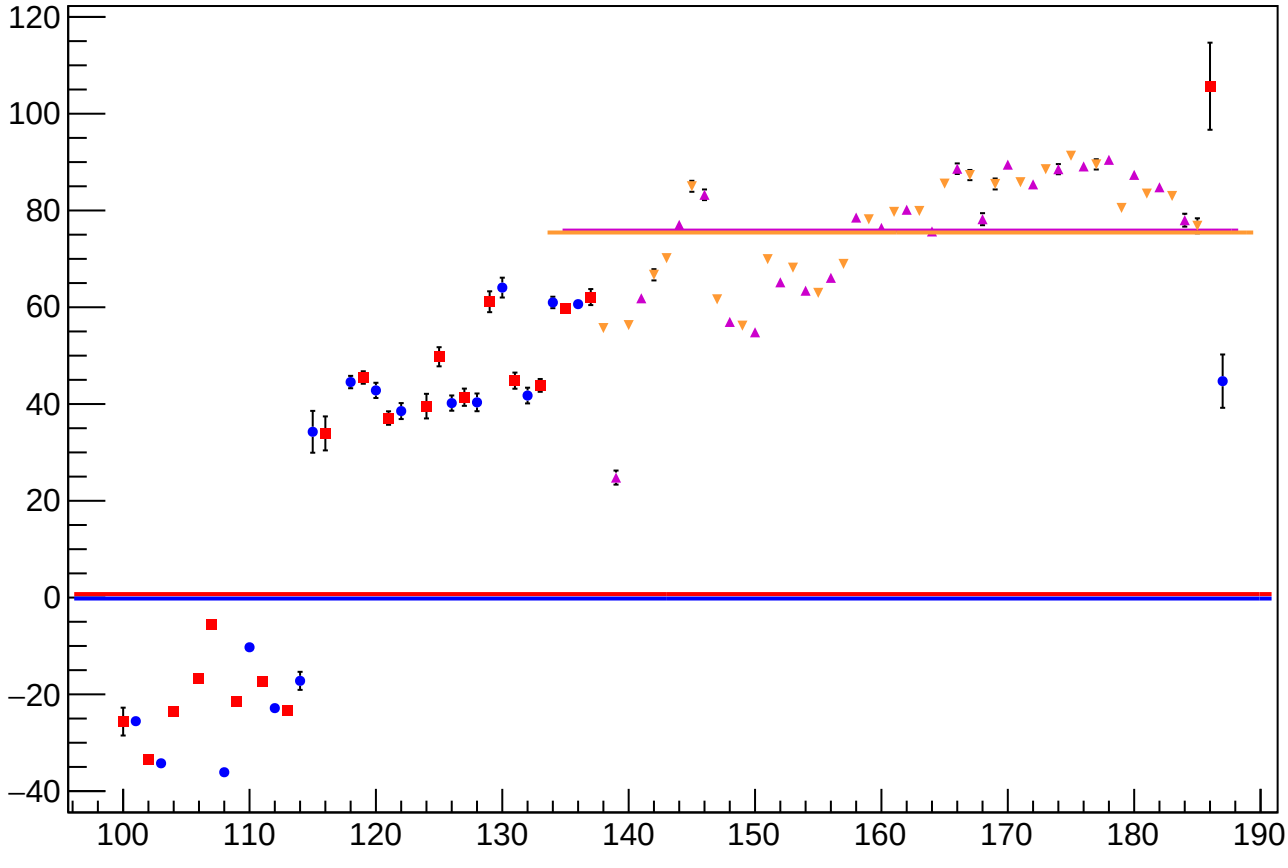
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 15.669+/-0.152 χ^2/NDF: 9535.1/36

In: 33.960+/-0.154 χ^2/NDF:21499.4/39

Out: 34.253+/-0.153 χ^2/NDF:19896.1/44

All: 34.107+/-0.109 χ^2/NDF: 41397.3/84



Right In: -0.195+/-0.261 χ^2/NDF: 21097.4/16

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.723+/-0.263 χ^2/NDF: 16164.2/19

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

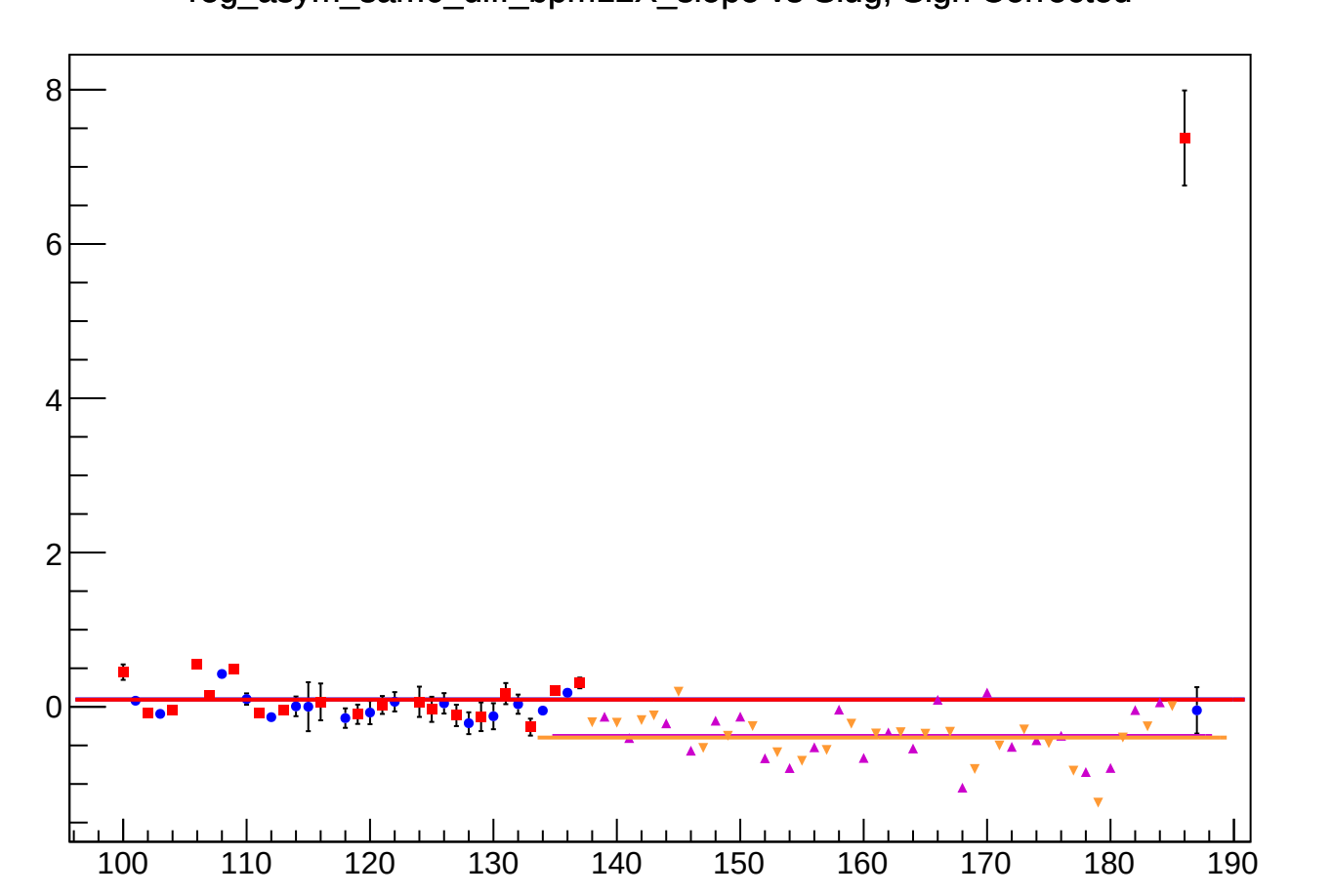
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.260+/-0.185 χ^2/NDF: 37267.7/36

In: 48.215+/-0.157 χ^2/NDF:79355.9/39

Out: 50.180+/-0.153 χ^2/NDF:72862.1/44

All: 49.224+/-0.110 χ^2/NDF: 152298.1/84



Right In: 0.097+/-0.011 χ^2/NDF: 299.3/16

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.093+/-0.011 χ^2/NDF: 539.0/19

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

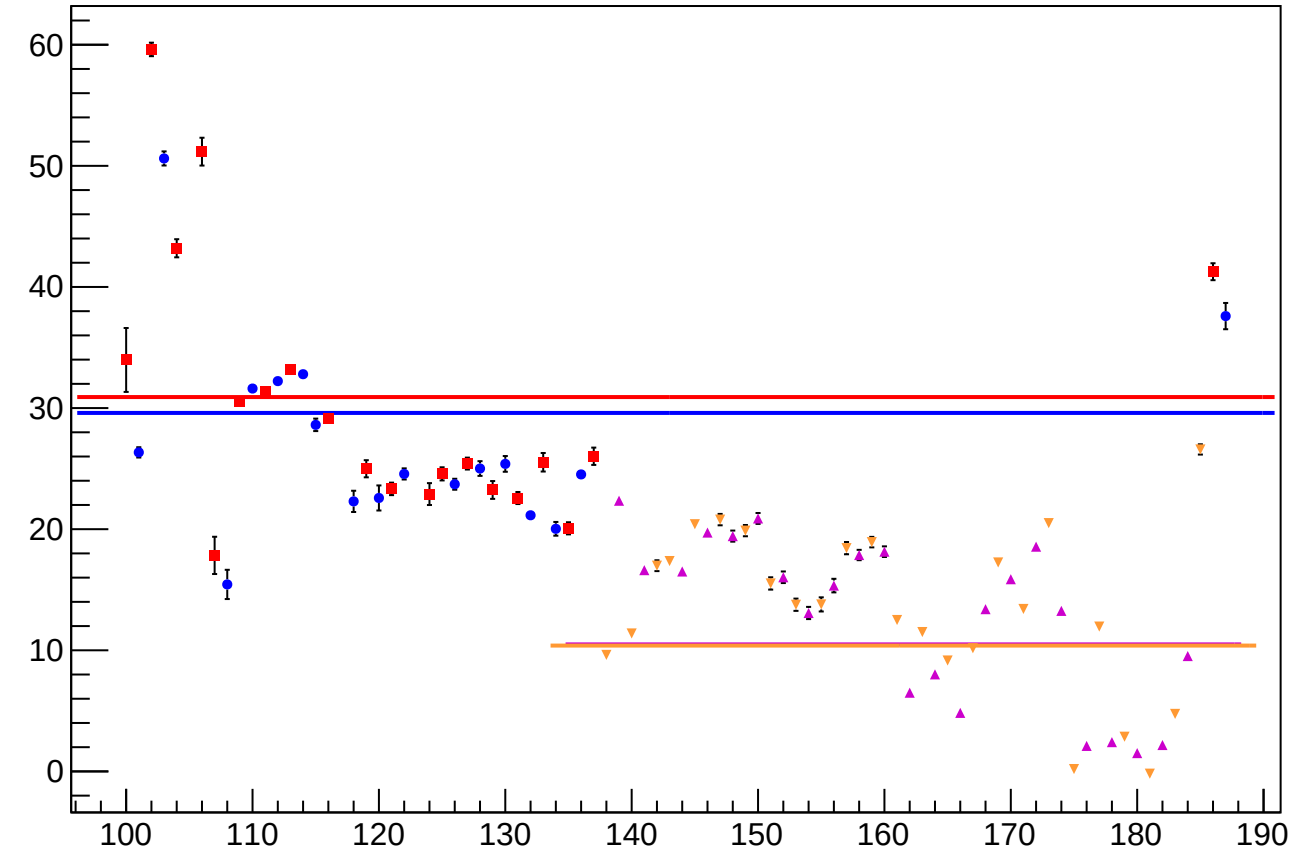
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: 0.095+/-0.008 χ^2/NDF: 838.4/36

In: -0.202+/-0.007 χ^2/NDF:2778.6/39

Out: -0.225+/-0.007 χ^2/NDF:2774.2/44

All: -0.214+/-0.005 χ^2/NDF: 5558.5/84



Right In: 29.599+/-0.092 χ^2/NDF: 3427.0/16

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.910+/-0.080 χ^2/NDF: 5301.2/19

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

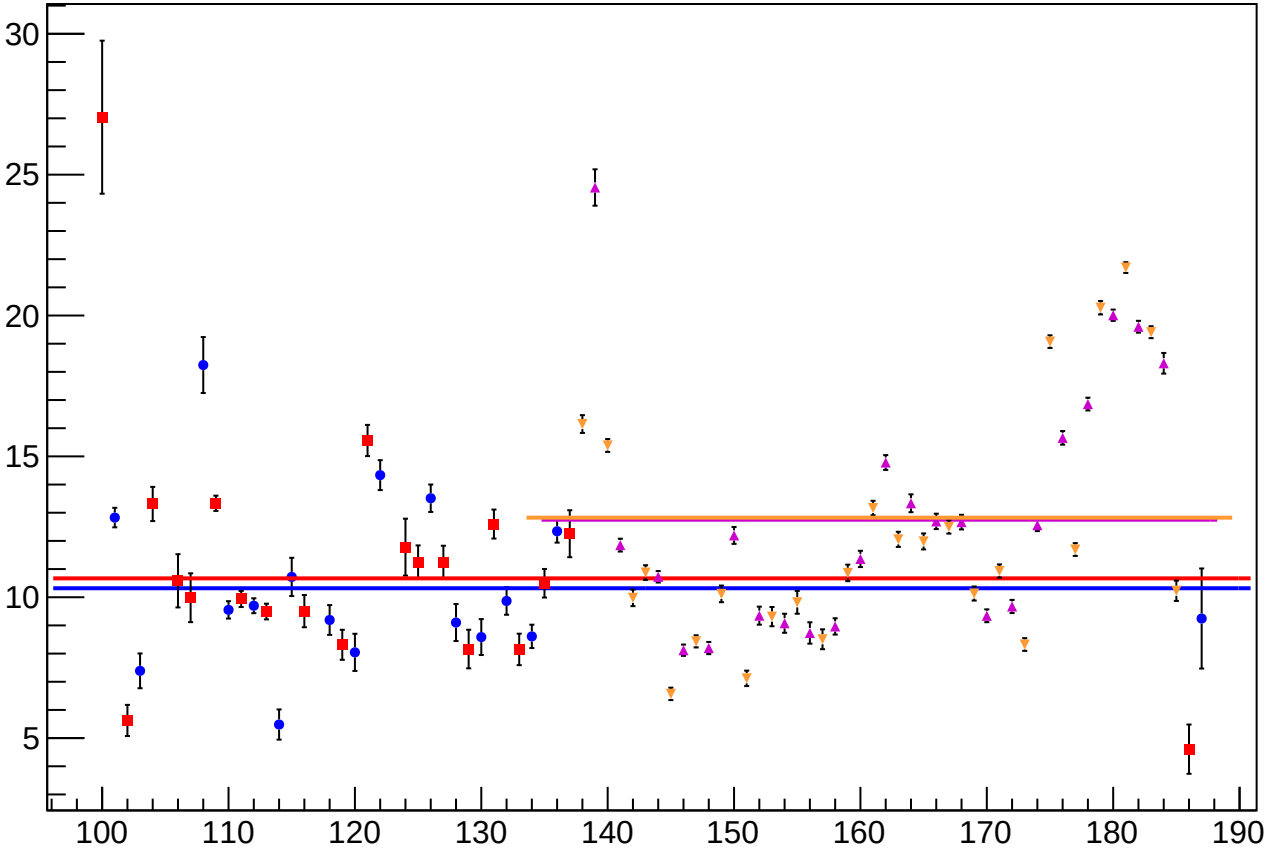
Right: 30.346+/-0.060 χ^2/NDF: 8844.6/36

In: 17.119+/-0.054 χ^2/NDF:43336.0/39

Out: 18.462+/-0.050 χ^2/NDF:59375.9/44

All: 17.842+/-0.037 χ^2/NDF: 103045.8/84

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.319+/-0.114 χ^2/NDF: 403.0/16

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.670+/-0.112 χ^2/NDF: 464.7/19

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

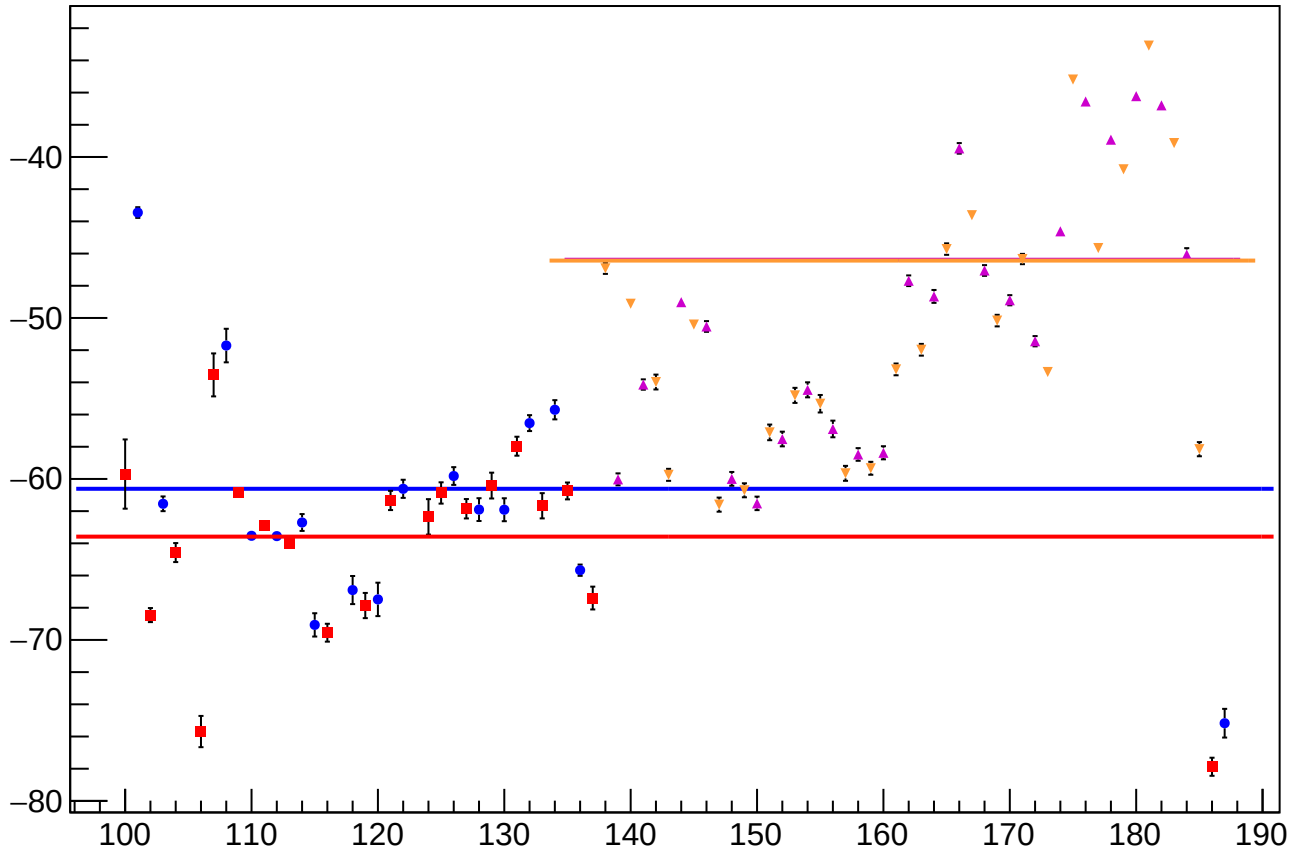
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.497+/-0.080 χ^2/NDF: 872.5/36

In: 12.319+/-0.048 χ^2/NDF:6281.7/39

Out: 12.454+/-0.046 χ^2/NDF:8787.8/44

All: 12.389+/-0.033 χ^2/NDF: 15073.6/84



Right In: -60.611+/-0.112 χ^2/NDF: 3868.6/16

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.583+/-0.105 χ^2/NDF: 1516.0/19

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

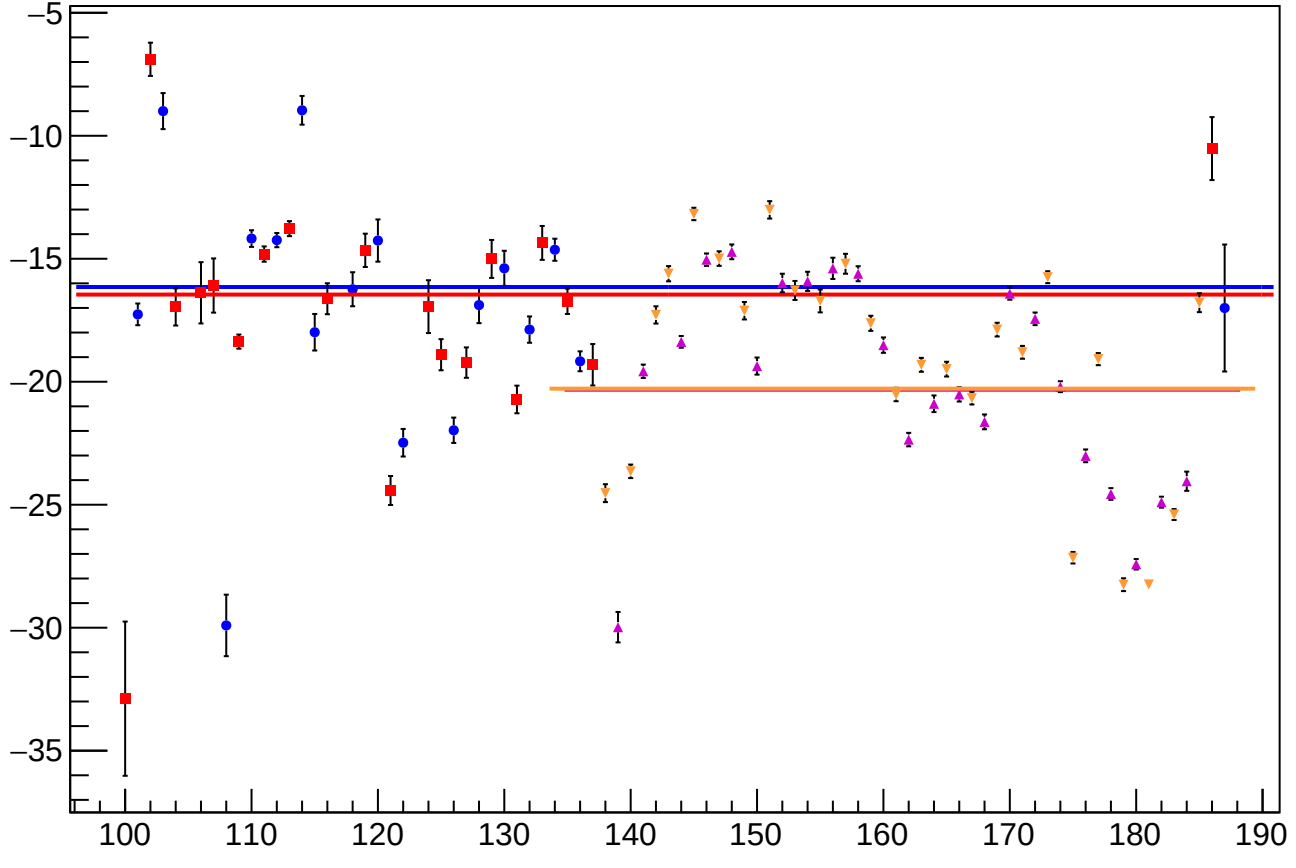
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -62.189+/-0.077 χ^2/NDF: 5757.8/36

In: -50.111+/-0.057 χ^2/NDF:30836.7/39

Out: -51.102+/-0.055 χ^2/NDF:38970.1/44

All: -50.628+/-0.040 χ^2/NDF: 69962.5/84



Right In: -16.149+/-0.127 χ^2/NDF: 797.2/16

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.456+/-0.124 χ^2/NDF: 706.4/19

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

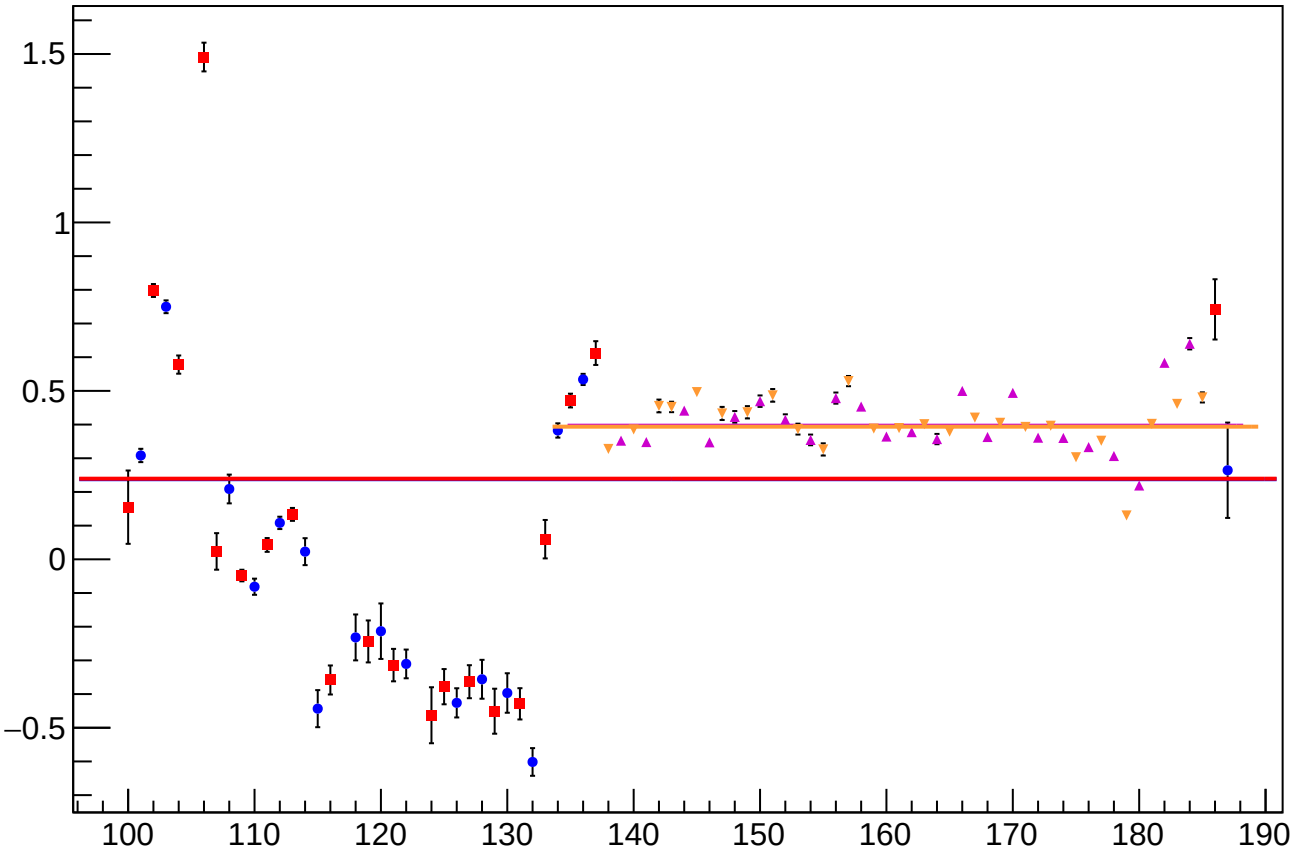
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.306+/-0.089 χ^2/NDF: 1506.6/36

In: -19.582+/-0.054 χ^2/NDF:5958.2/39

Out: -19.613+/-0.052 χ^2/NDF:8510.7/44

All: -19.598+/-0.037 χ^2/NDF: 14469.1/84



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/16

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.239+/-0.007 χ^2/NDF: 3626.8/19

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

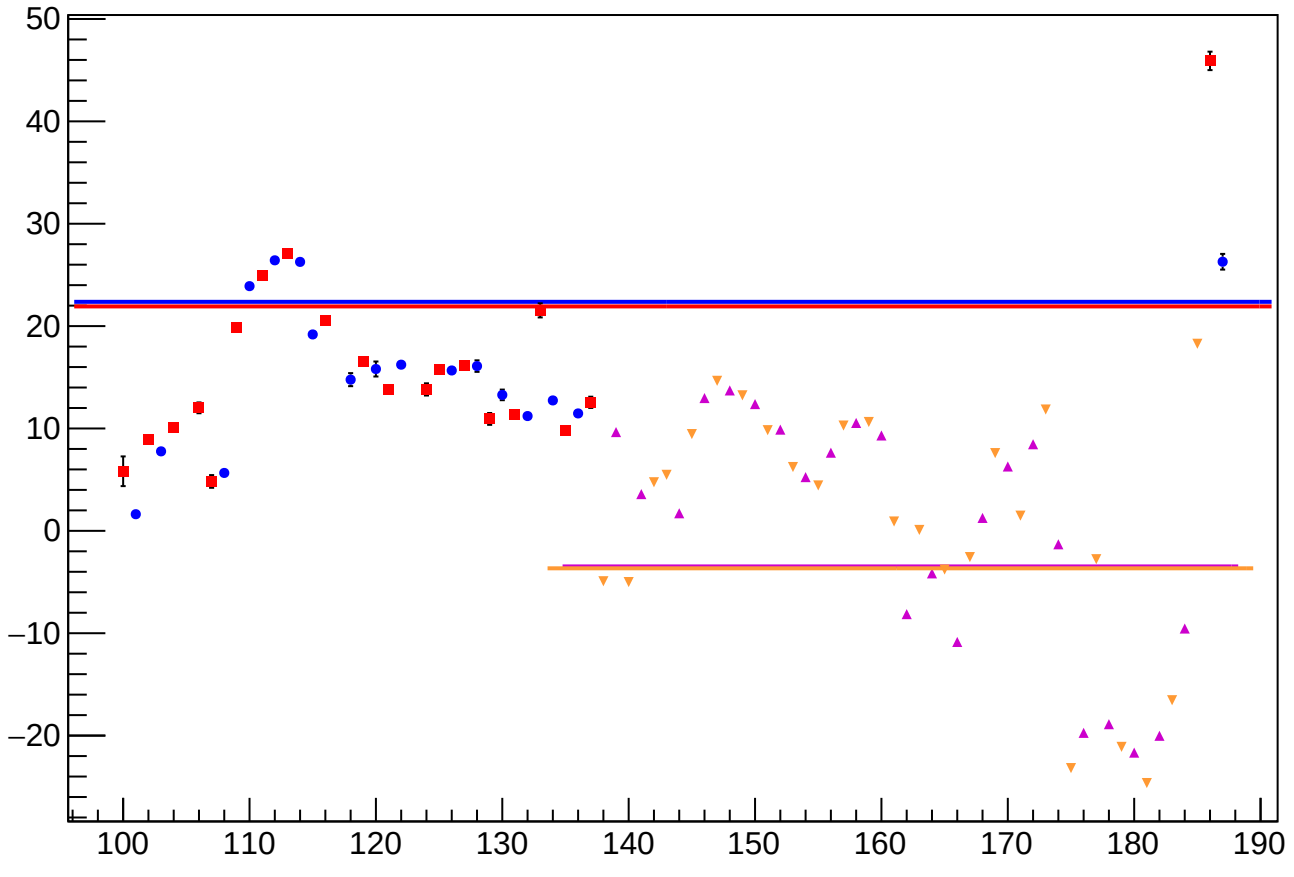
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.239+/-0.005 χ^2/NDF: 6259.7/36

In: 0.377+/-0.002 χ^2/NDF:4373.9/39

Out: 0.376+/-0.002 χ^2/NDF:4995.5/44

All: 0.377+/-0.002 χ^2/NDF: 9369.6/84



Right In: 22.371+/-0.056 χ^2/NDF: 12363.1/16

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.923+/-0.046 χ^2/NDF: 11403.4/19

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

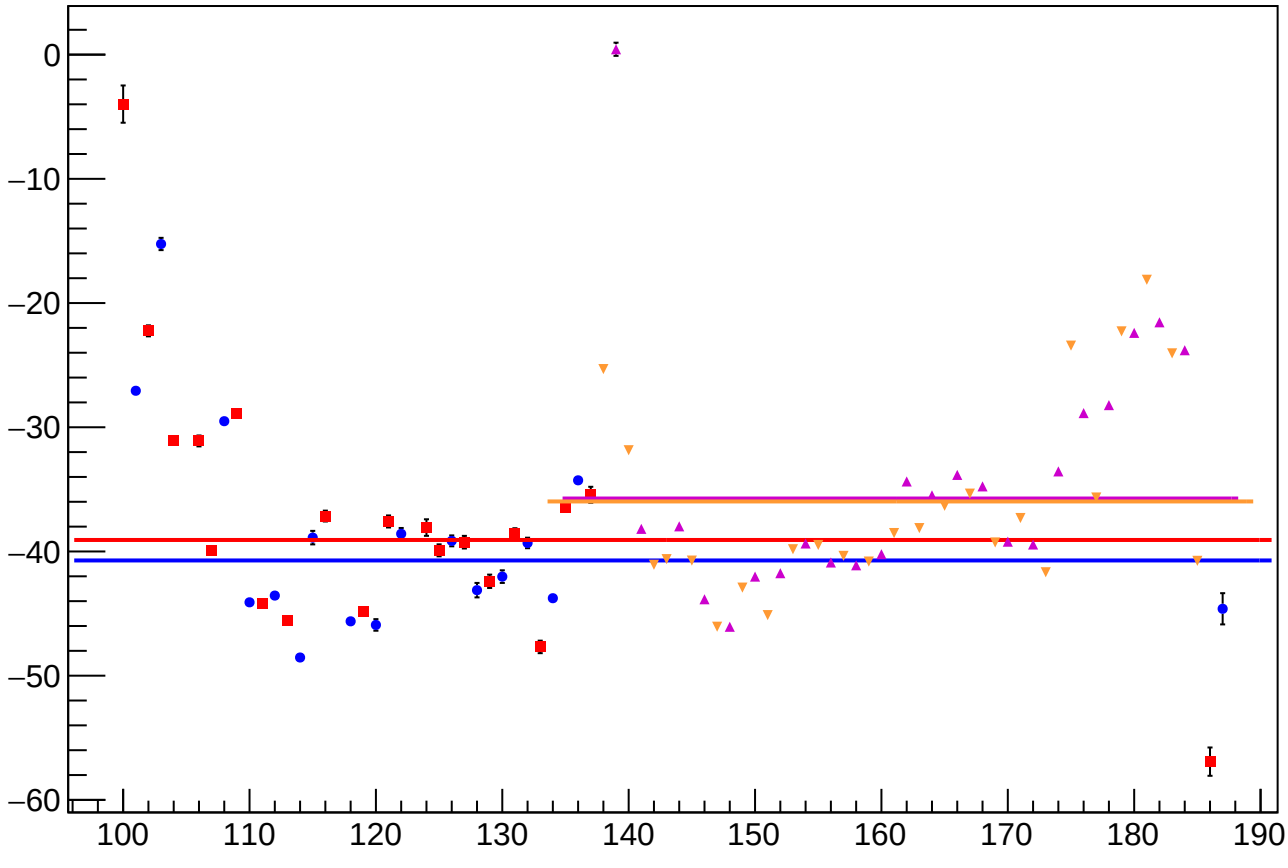
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 22.103+/-0.036 χ^2/NDF: 23804.4/36

In: 9.678+/-0.040 χ^2/NDF:160600.2/39

Out: 11.227+/-0.035 χ^2/NDF:196190.5/44

All: 10.554+/-0.027 χ^2/NDF: 357628.7/84



Right In: -40.723+/-0.076 χ^2/NDF: 7790.0/16

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -39.074+/-0.071 χ^2/NDF: 10347.4/19

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

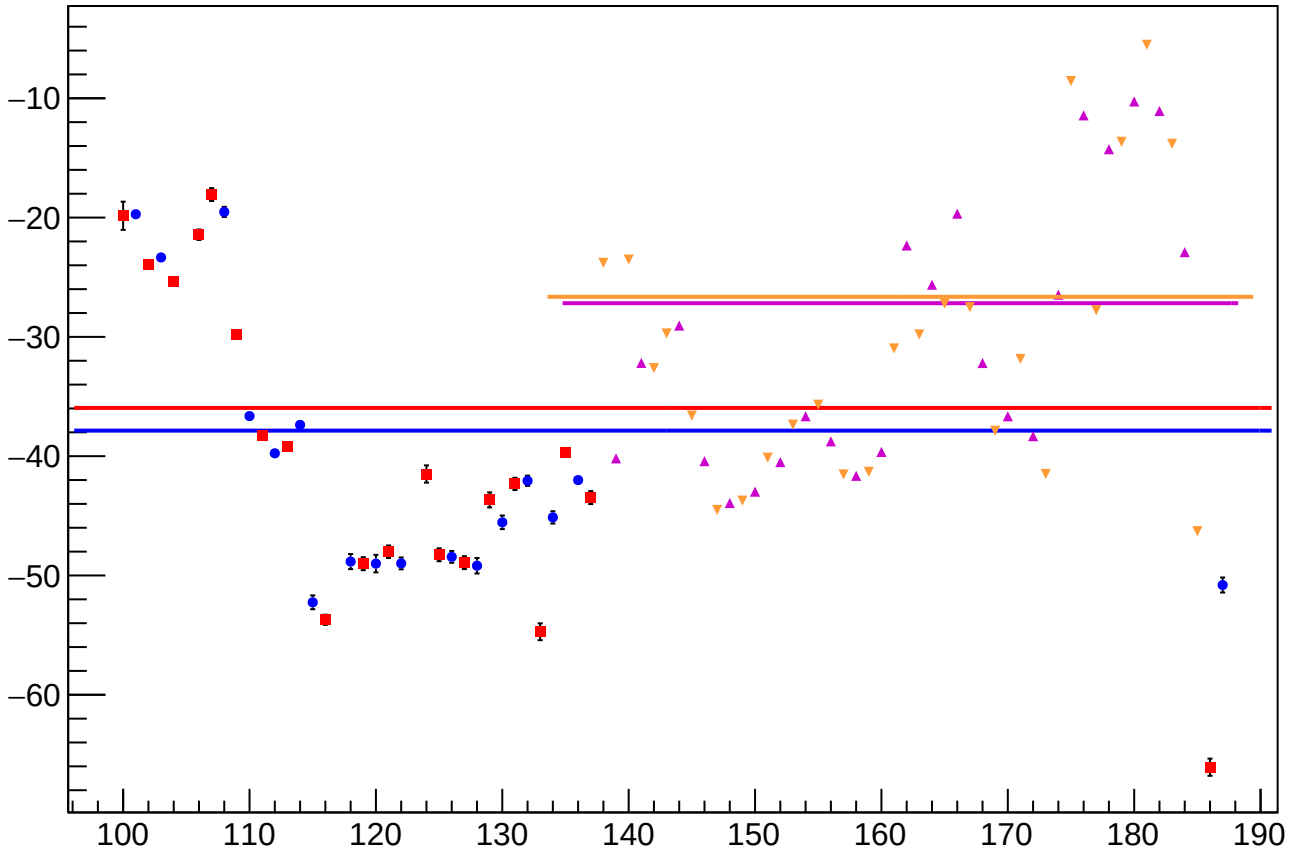
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.838+/-0.052 χ^2/NDF: 18387.9/36

In: -37.020+/-0.039 χ^2/NDF:38112.5/39

Out: -36.791+/-0.036 χ^2/NDF:45365.7/44

All: -36.898+/-0.027 χ^2/NDF: 83496.8/84



Right In: -37.858+/-0.073 χ^2/NDF: 11281.2/16

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.953+/-0.064 χ^2/NDF: 15034.8/19

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

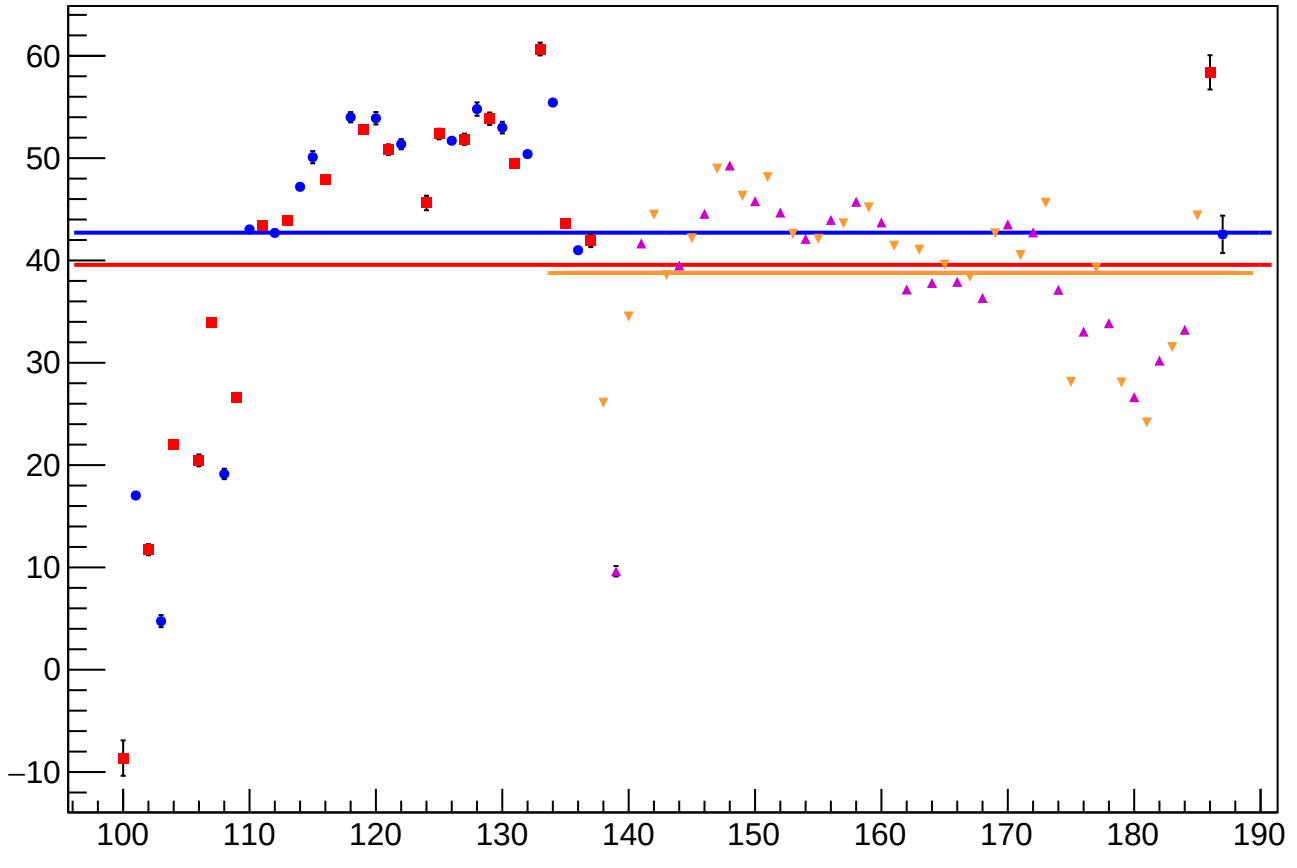
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.779+/-0.048 χ^2/NDF: 26699.1/36

In: -31.225+/-0.045 χ^2/NDF:65478.1/39

Out: -30.557+/-0.042 χ^2/NDF:77333.5/44

All: -30.863+/-0.031 χ^2/NDF: 142930.4/84



Right In: 42.717+/-0.085 χ^2/NDF: 14765.0/16

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.574+/-0.078 χ^2/NDF: 18104.7/19

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

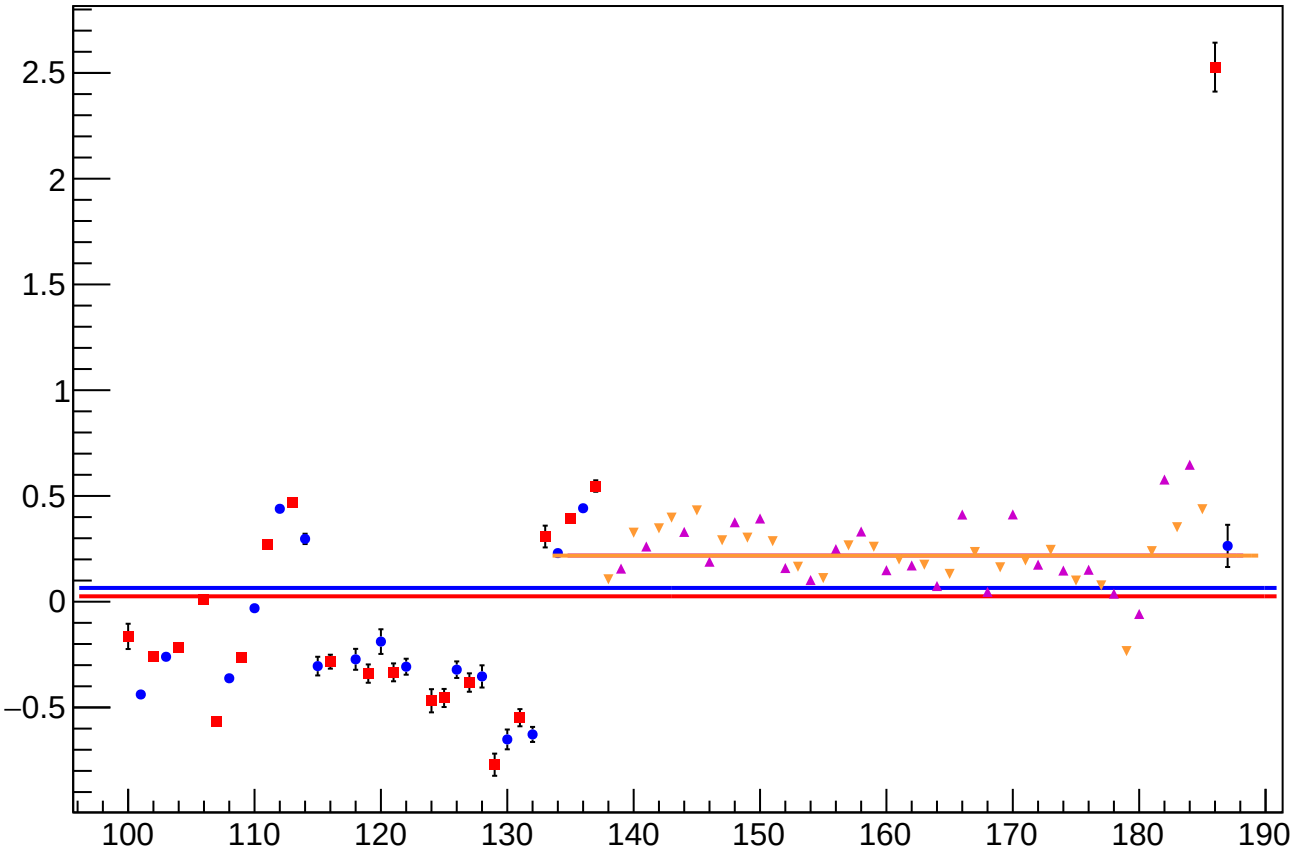
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 41.014+/-0.057 χ^2/NDF: 33611.7/36

In: 39.807+/-0.043 χ^2/NDF:32588.9/39

Out: 38.994+/-0.041 χ^2/NDF:39251.1/44

All: 39.376+/-0.030 χ^2/NDF: 72027.5/84



Right In: 0.065+/-0.005 χ^2/NDF: 5501.5/16

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.025+/-0.004 χ^2/NDF: 6874.0/19

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

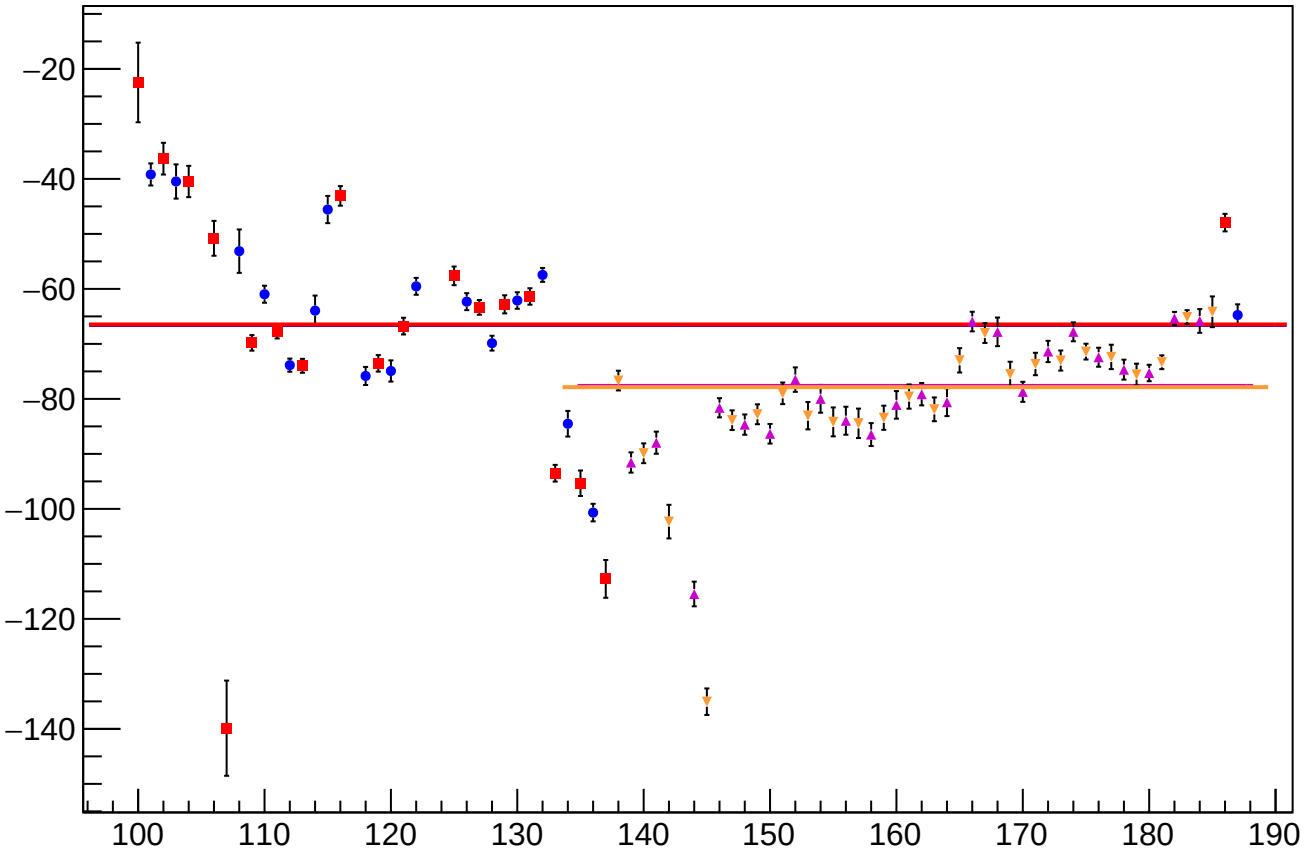
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: 0.043+/-0.003 χ^2/NDF: 12412.4/36

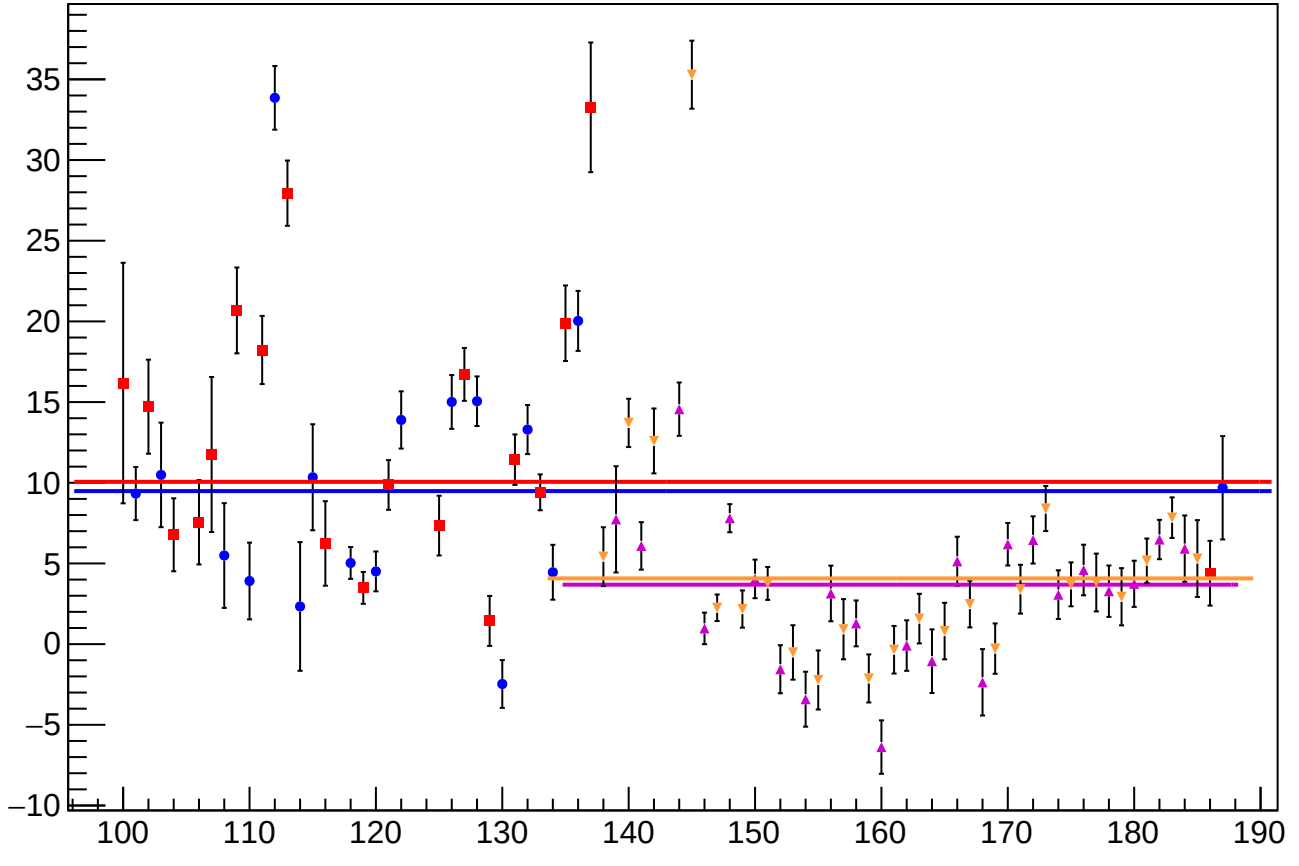
In: 0.191+/-0.002 χ^2/NDF:11641.7/39

Out: 0.181+/-0.002 χ^2/NDF:12503.0/44

All: 0.186+/-0.001 χ^2/NDF: 24159.7/84


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
190
Right In: -66.561+/-0.416 χ²/NDF: 1053.3/16
Left Out: -77.867+/-0.394 χ²/NDF:932.3/23
Right Out: -66.472+/-0.406 χ²/NDF: 1399.7/18
Left In: -77.643+/-0.396 χ²/NDF:693.3/22
Left: -77.756+/-0.279 χ²/NDF: 1625.8/46
Right: -66.516+/-0.291 χ²/NDF: 2453.1/35
In: -72.373+/-0.287 χ²/NDF:2118.2/39
Out: -72.335+/-0.283 χ²/NDF:2737.9/42
All: -72.353+/-0.201 χ²/NDF: 4856.2/82

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.483+/-0.424 χ^2/NDF: 342.0/16

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 10.057+/-0.426 χ^2/NDF: 271.7/18

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

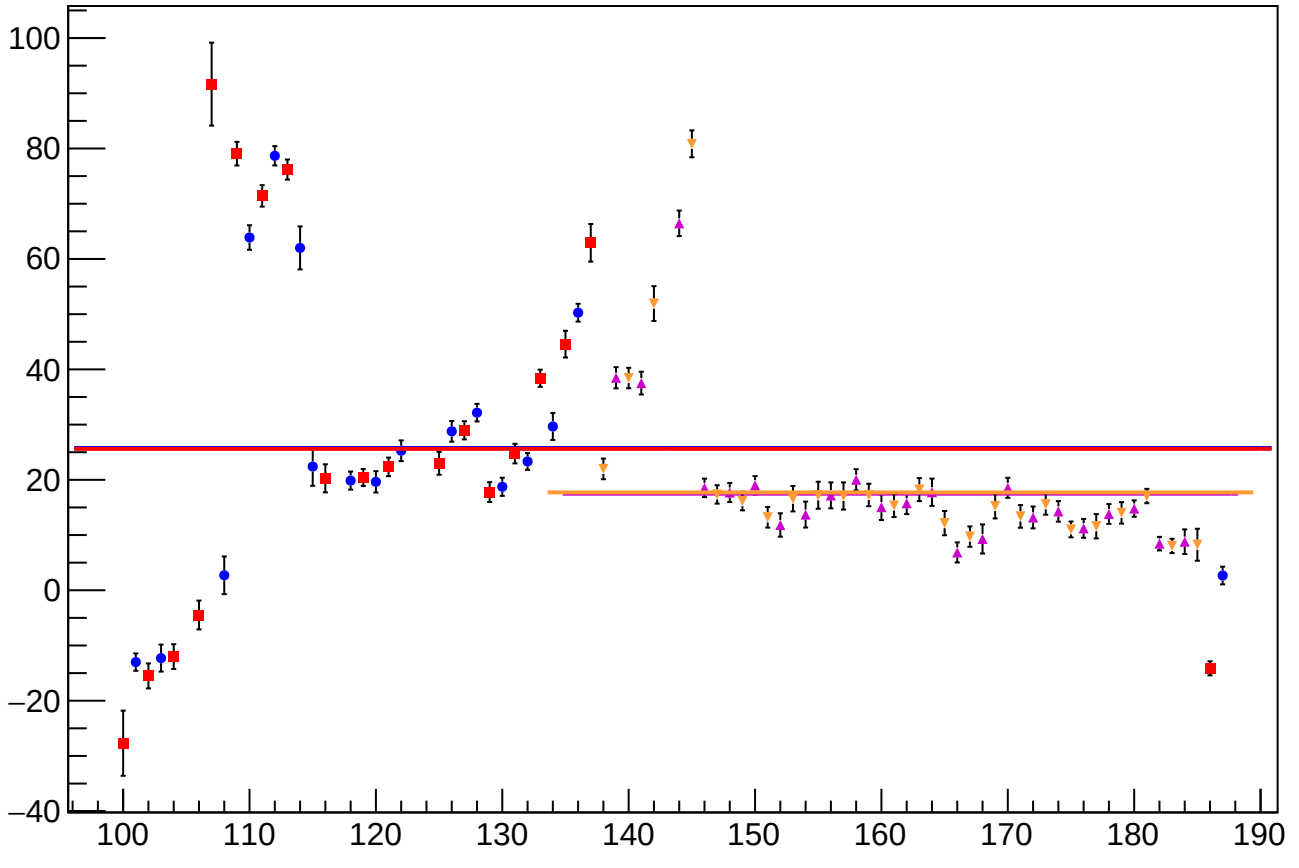
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.770+/-0.301 χ^2/NDF: 614.6/35

In: 5.632+/-0.246 χ^2/NDF:648.6/39

Out: 6.030+/-0.243 χ^2/NDF:775.3/42

All: 5.833+/-0.173 χ^2/NDF: 1425.2/82



Right In: 25.765+/-0.462 χ^2/NDF: 2700.7/16

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 25.610+/-0.456 χ^2/NDF: 4119.1/18

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

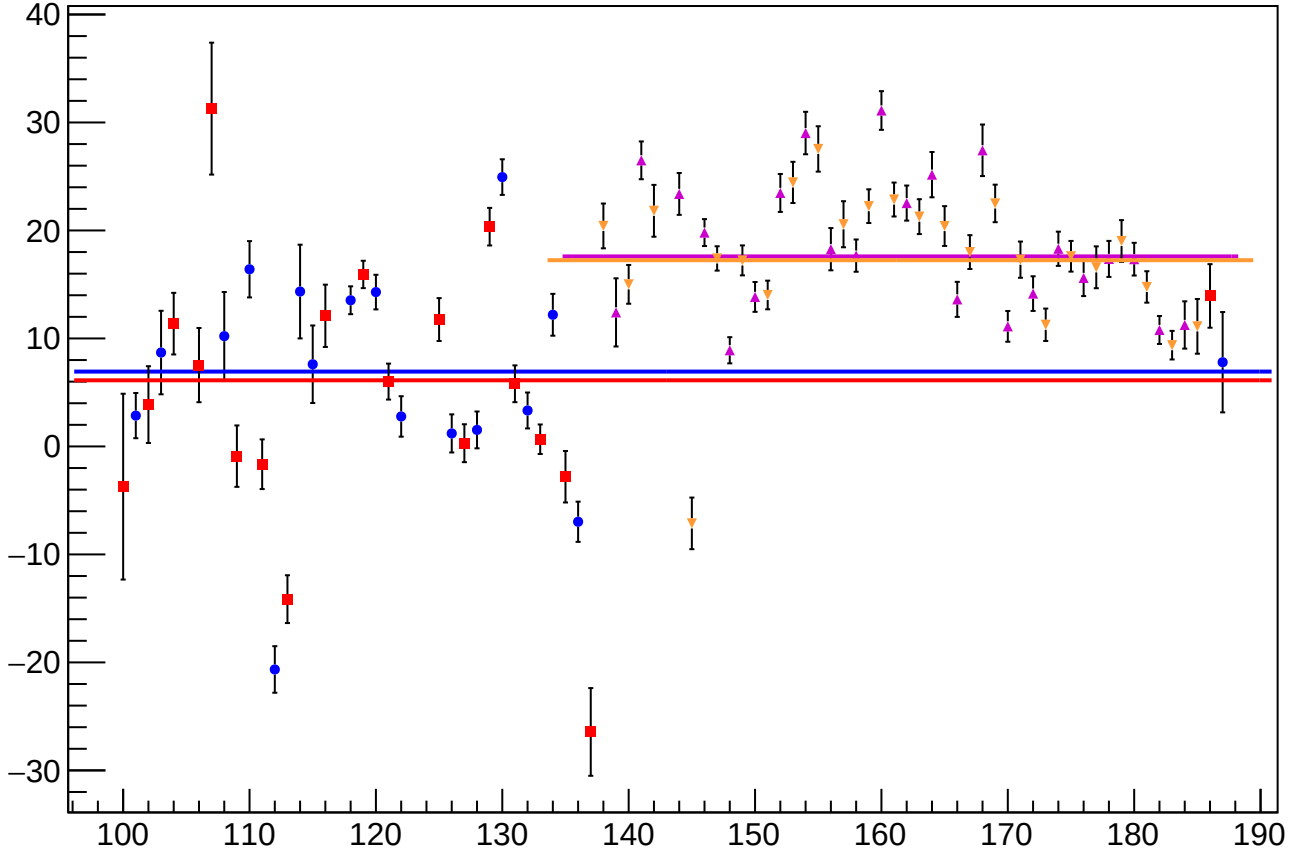
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 25.686+/-0.324 χ^2/NDF: 6819.8/35

In: 20.963+/-0.299 χ^2/NDF:3707.6/39

Out: 21.070+/-0.297 χ^2/NDF:5349.9/42

All: 21.017+/-0.211 χ^2/NDF: 9057.6/82



Right In: 6.931+/-0.493 χ^2/NDF: 444.4/16

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.124+/-0.495 χ^2/NDF: 374.9/18

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

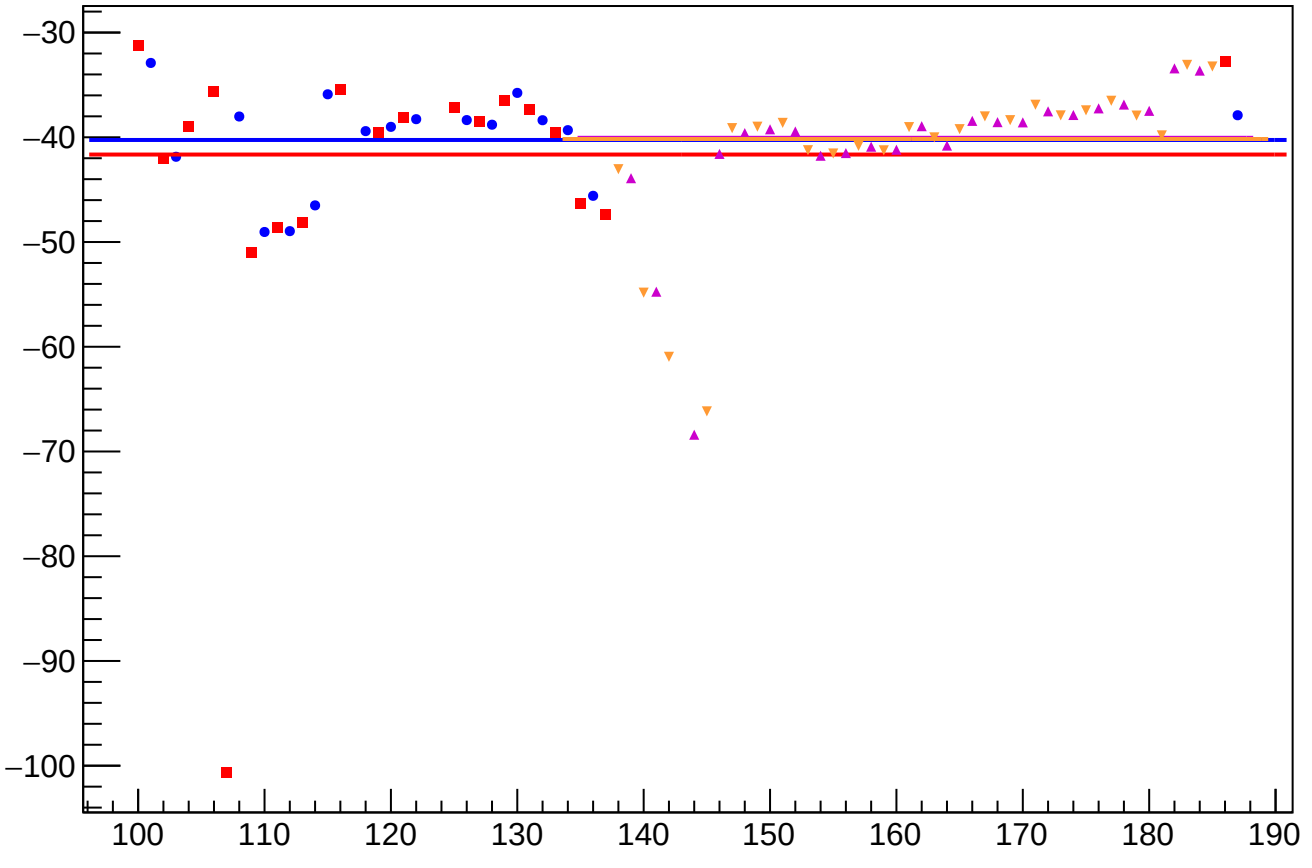
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 6.529+/-0.349 χ^2/NDF: 820.6/35

In: 14.127+/-0.281 χ^2/NDF:1070.0/39

Out: 13.703+/-0.279 χ^2/NDF:980.3/42

All: 13.913+/-0.198 χ^2/NDF: 2051.5/82



Right In: -40.257+/-0.031 χ^2/NDF: 20752.3/16

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.648+/-0.032 χ^2/NDF: 60668.5/18

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

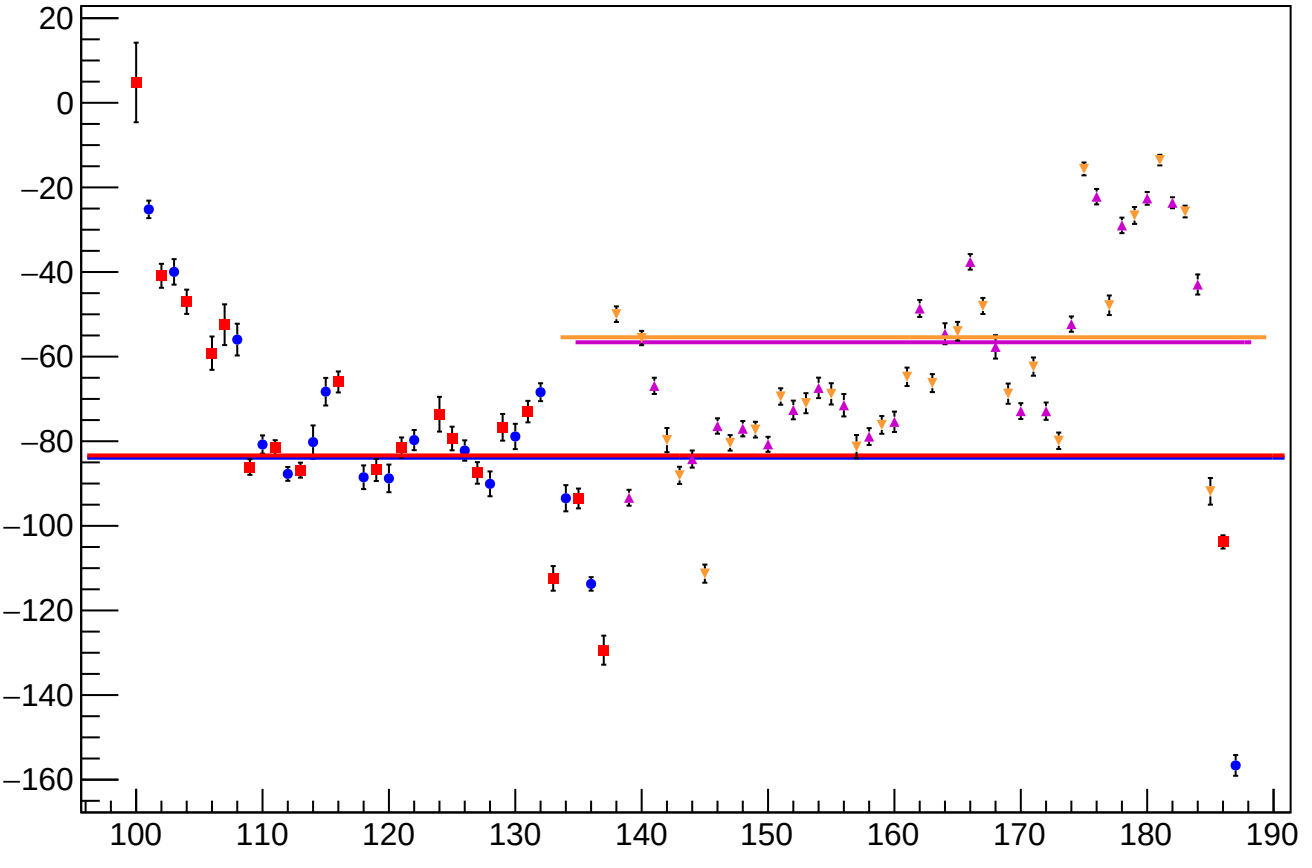
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -40.940+/-0.022 χ^2/NDF: 82399.7/35

In: -40.090+/-0.014 χ^2/NDF:157226.3/39

Out: -40.449+/-0.014 χ^2/NDF:225772.9/42

All: -40.268+/-0.010 χ^2/NDF: 383334.4/82



Right In: -83.896+/-0.593 χ^2/NDF: 2409.7/16

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -83.356+/-0.563 χ^2/NDF: 1112.0/19

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

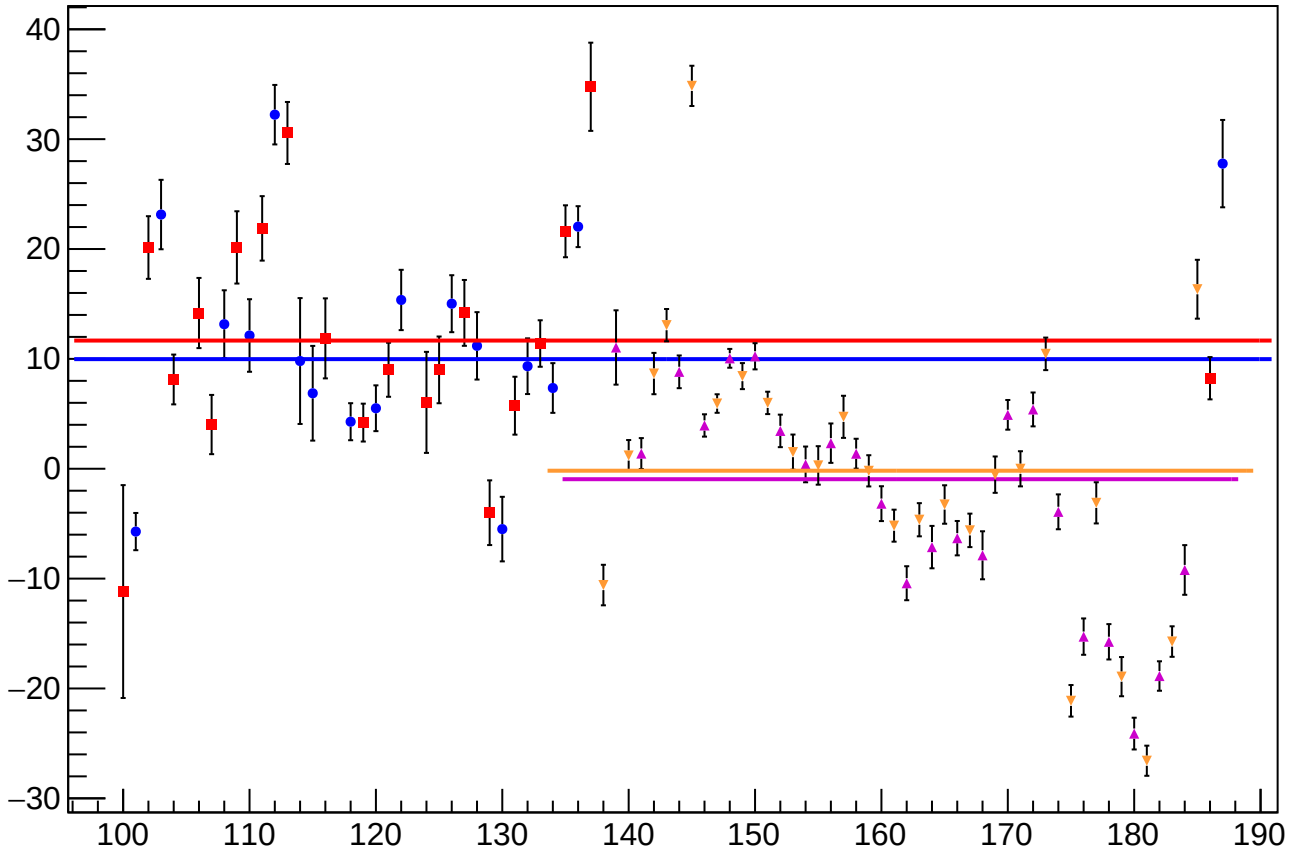
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -83.612+/-0.408 χ^2/NDF: 3522.1/36

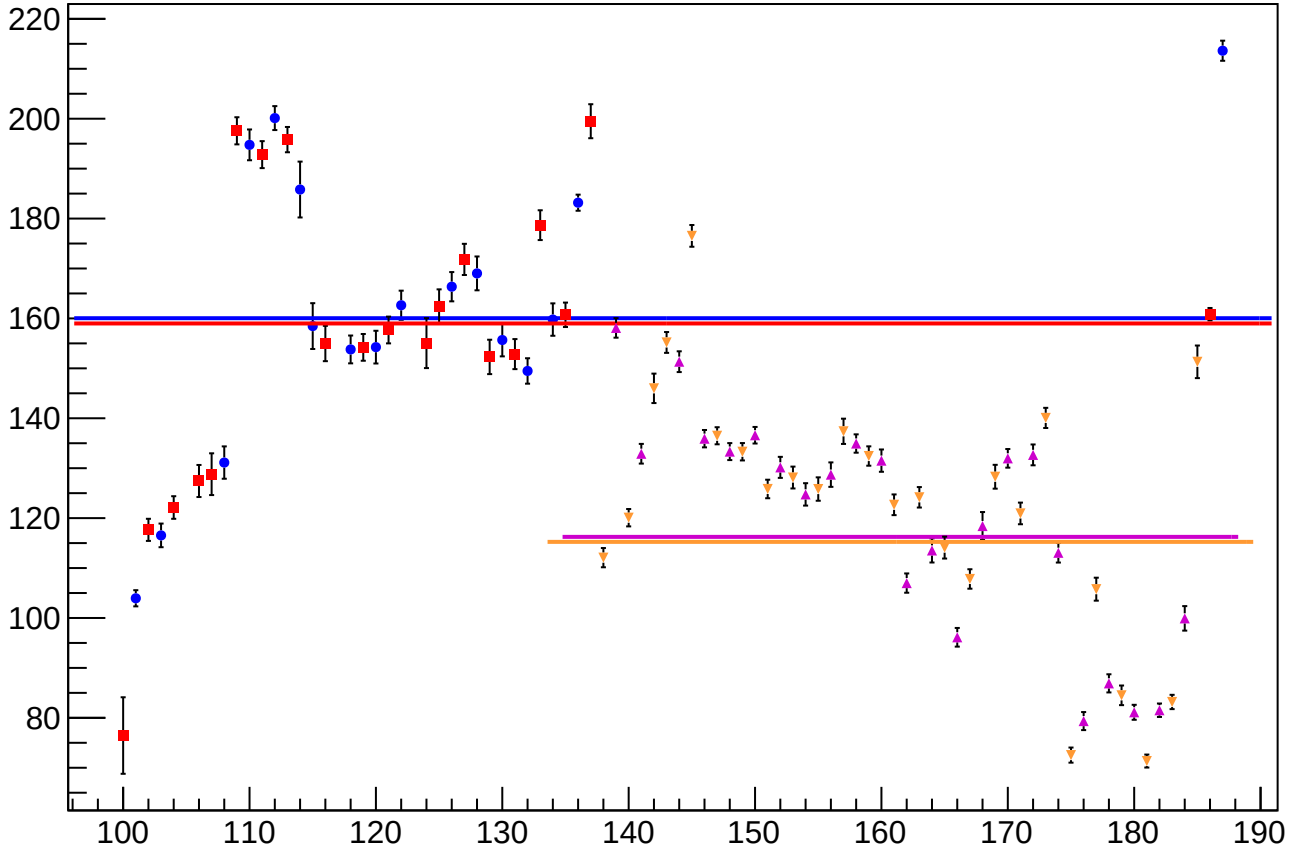
In: -65.253+/-0.334 χ^2/NDF:7206.8/39

Out: -64.577+/-0.322 χ^2/NDF:7290.2/44

All: -64.903+/-0.232 χ^2/NDF: 14499.1/84


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
190
Right In: 9.977+/-0.614 χ²/NDF: 287.6/16
Left Out: -0.179+/-0.294 χ²/NDF:1598.6/24
Right Out: 11.668+/-0.605 χ²/NDF: 199.4/19
Left In: -0.952+/-0.304 χ²/NDF:1069.6/22
Left: -0.553+/-0.211 χ²/NDF: 2671.5/47
Right: 10.835+/-0.431 χ²/NDF: 490.8/36
In: 1.201+/-0.272 χ²/NDF:1611.7/39
Out: 2.088+/-0.264 χ²/NDF:2108.4/44
All: 1.658+/-0.190 χ²/NDF: 3725.6/84

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.041+/-0.629 χ^2/NDF: 2997.4/16

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 158.990+/-0.599 χ^2/NDF: 1667.1/19

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

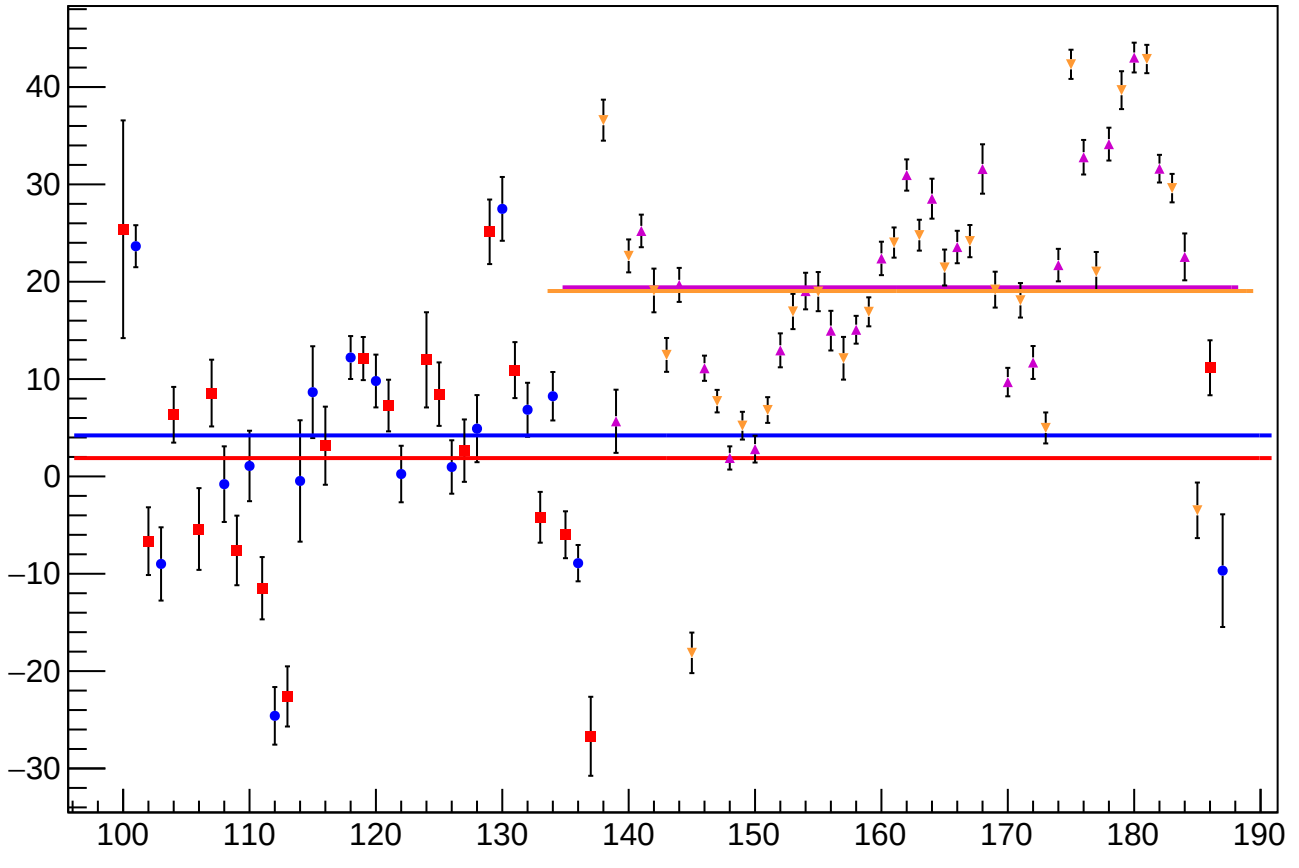
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 159.490+/-0.434 χ^2/NDF: 4666.0/36

In: 128.829+/-0.337 χ^2/NDF:10093.3/39

Out: 128.288+/-0.327 χ^2/NDF:10249.1/44

All: 128.551+/-0.235 χ^2/NDF: 20343.7/84



Right In: 4.213+/-0.709 χ^2/NDF: 321.9/16

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.883+/-0.708 χ^2/NDF: 276.4/19

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

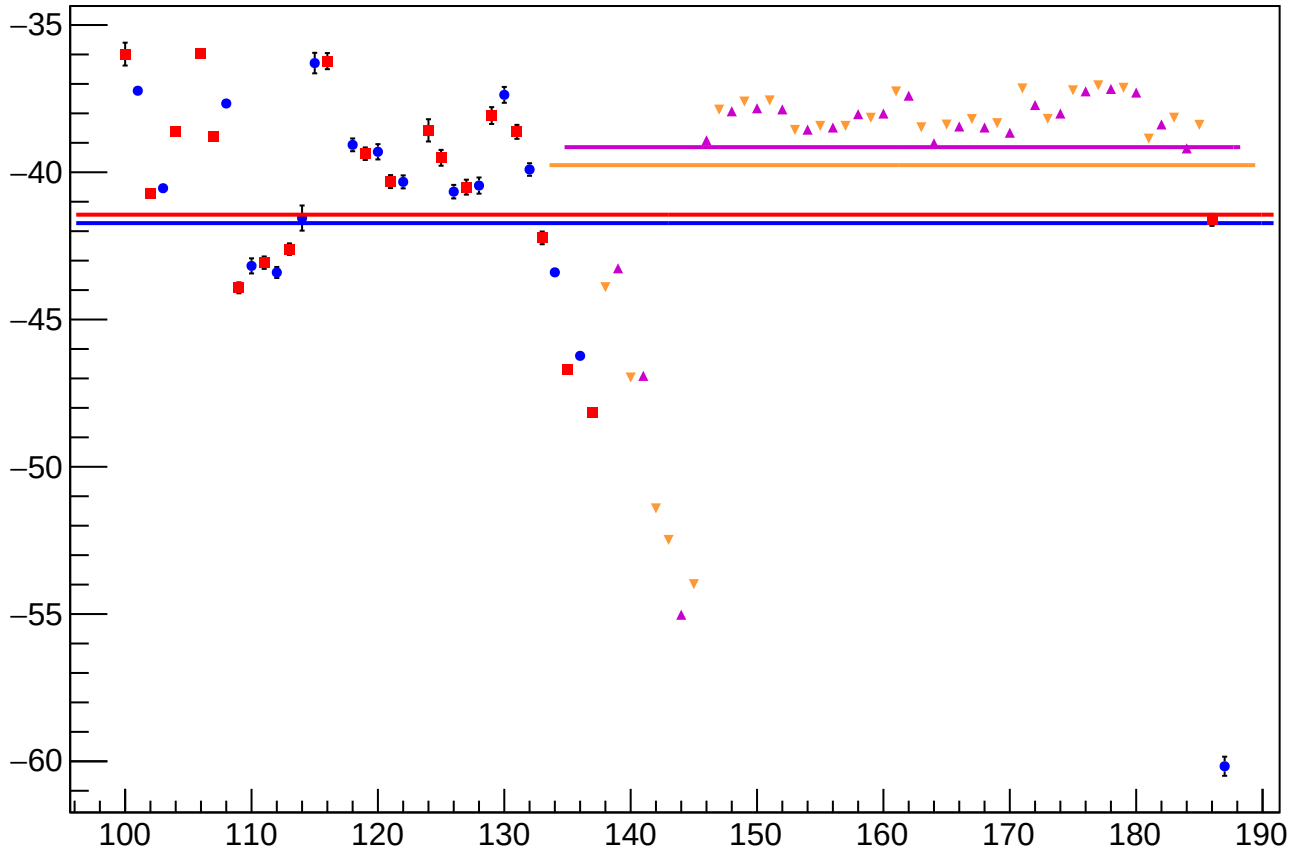
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

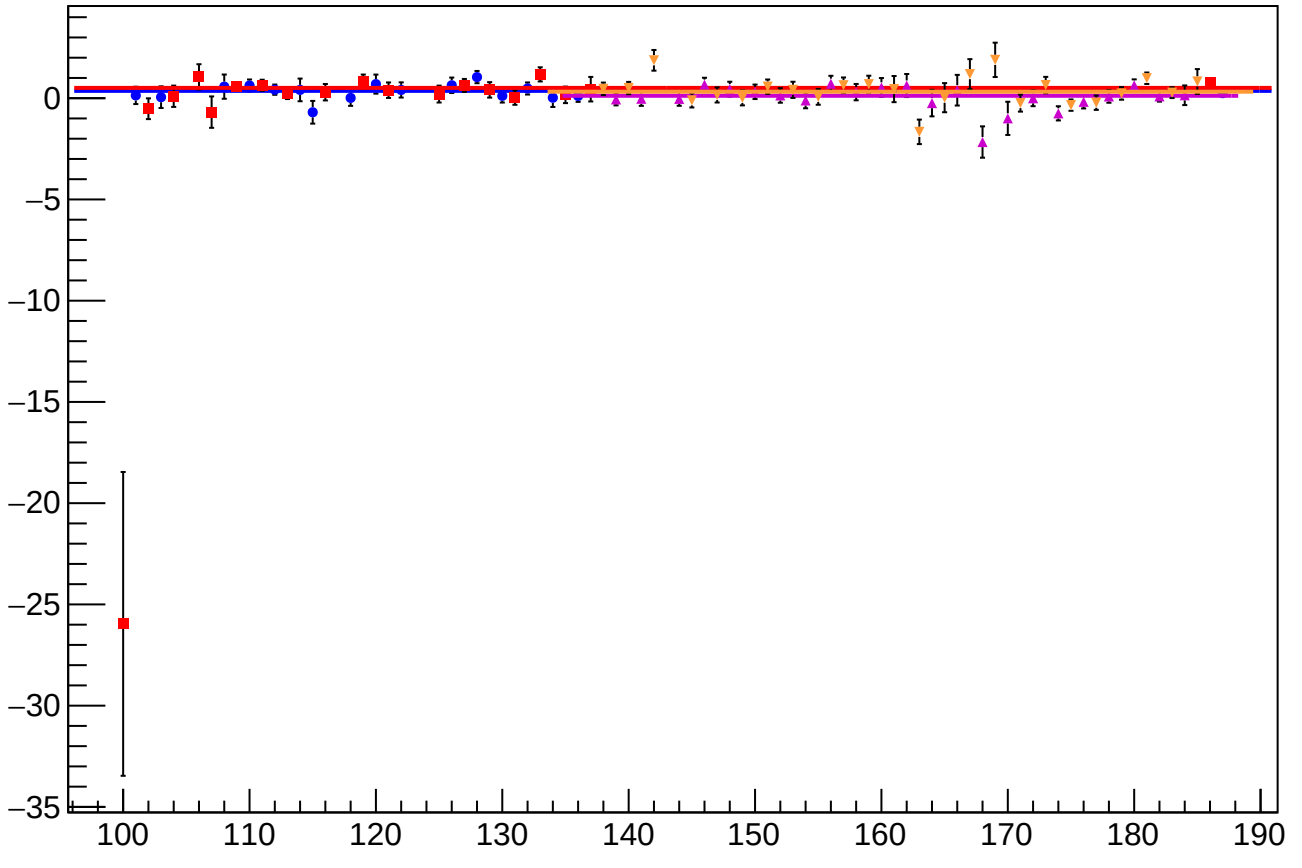
Right: 3.047+/-0.501 χ^2/NDF: 603.7/36

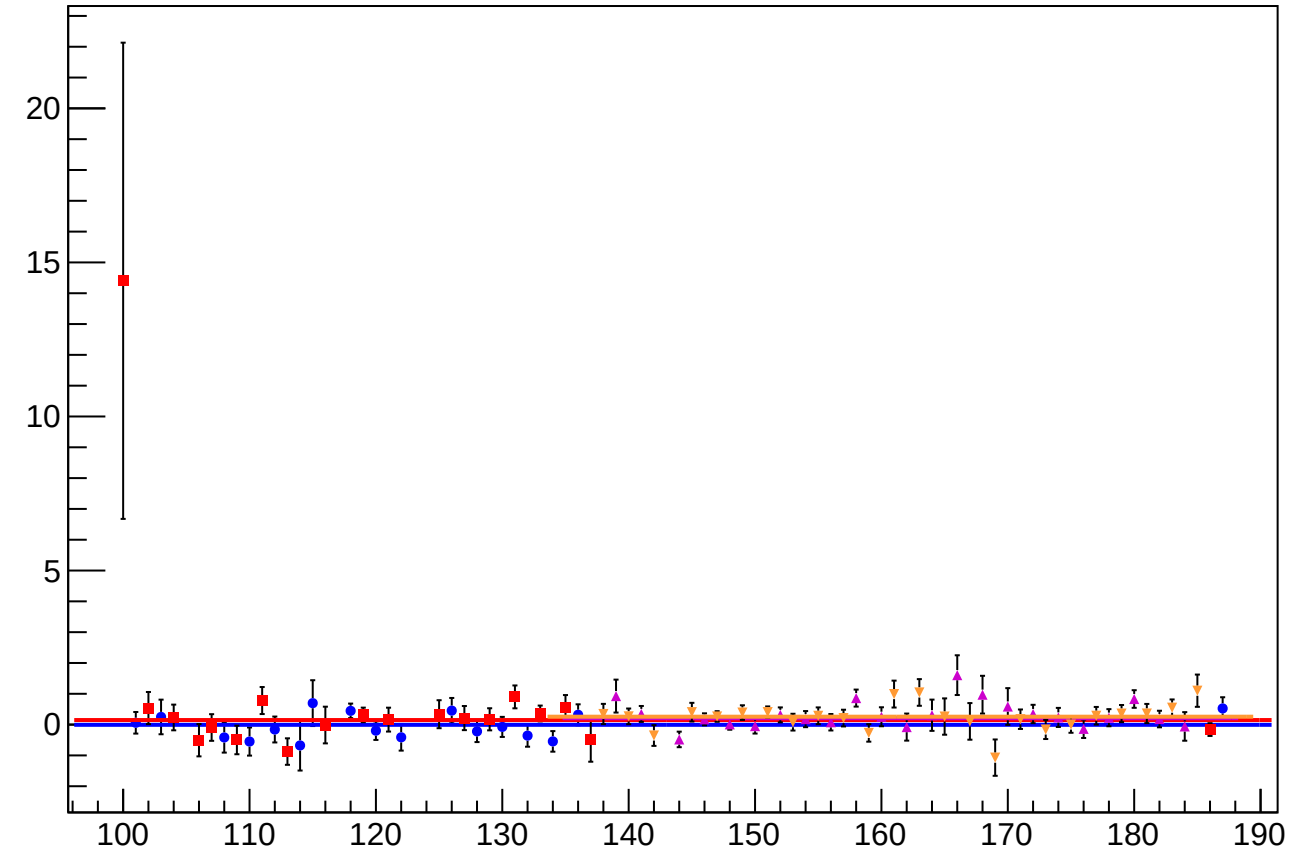
In: 16.500+/-0.311 χ^2/NDF:1771.4/39

Out: 15.891+/-0.304 χ^2/NDF:2301.5/44

All: 16.189+/-0.217 χ^2/NDF: 4074.8/84


reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
100
110
120
130
140
150
160
170
180
190
Right In: -41.727+/-0.038 χ²/NDF: 11192.2/16
Left Out: -39.758+/-0.015 χ²/NDF:81865.0/24
Right Out: -41.440+/-0.039 χ²/NDF: 8226.2/19
Left In: -39.147+/-0.016 χ²/NDF:46907.5/22
Left: -39.456+/-0.011 χ²/NDF: 129547.1/47
Right: -41.587+/-0.027 χ²/NDF: 19446.5/36
In: -39.522+/-0.014 χ²/NDF:62068.8/39
Out: -39.988+/-0.014 χ²/NDF:91713.9/44
All: -39.757+/-0.010 χ²/NDF: 154307.1/84


reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
170
180
190
Right In: 0.363+/-0.085 χ²/NDF: 14.3/16
Left Out: 0.321+/-0.078 χ²/NDF:46.9/23
Right Out: 0.509+/-0.080 χ²/NDF: 32.0/18
Left In: 0.120+/-0.079 χ²/NDF:30.0/22
Left: 0.222+/-0.056 χ²/NDF: 80.1/46
Right: 0.441+/-0.058 χ²/NDF: 47.9/35
In: 0.233+/-0.058 χ²/NDF:48.6/39
Out: 0.414+/-0.056 χ²/NDF:81.7/42
All: 0.327+/-0.040 χ²/NDF: 135.4/82



Right In: -0.007+/-0.091 χ^2/NDF: 17.3/16

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.148+/-0.086 χ^2/NDF: 25.1/18

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

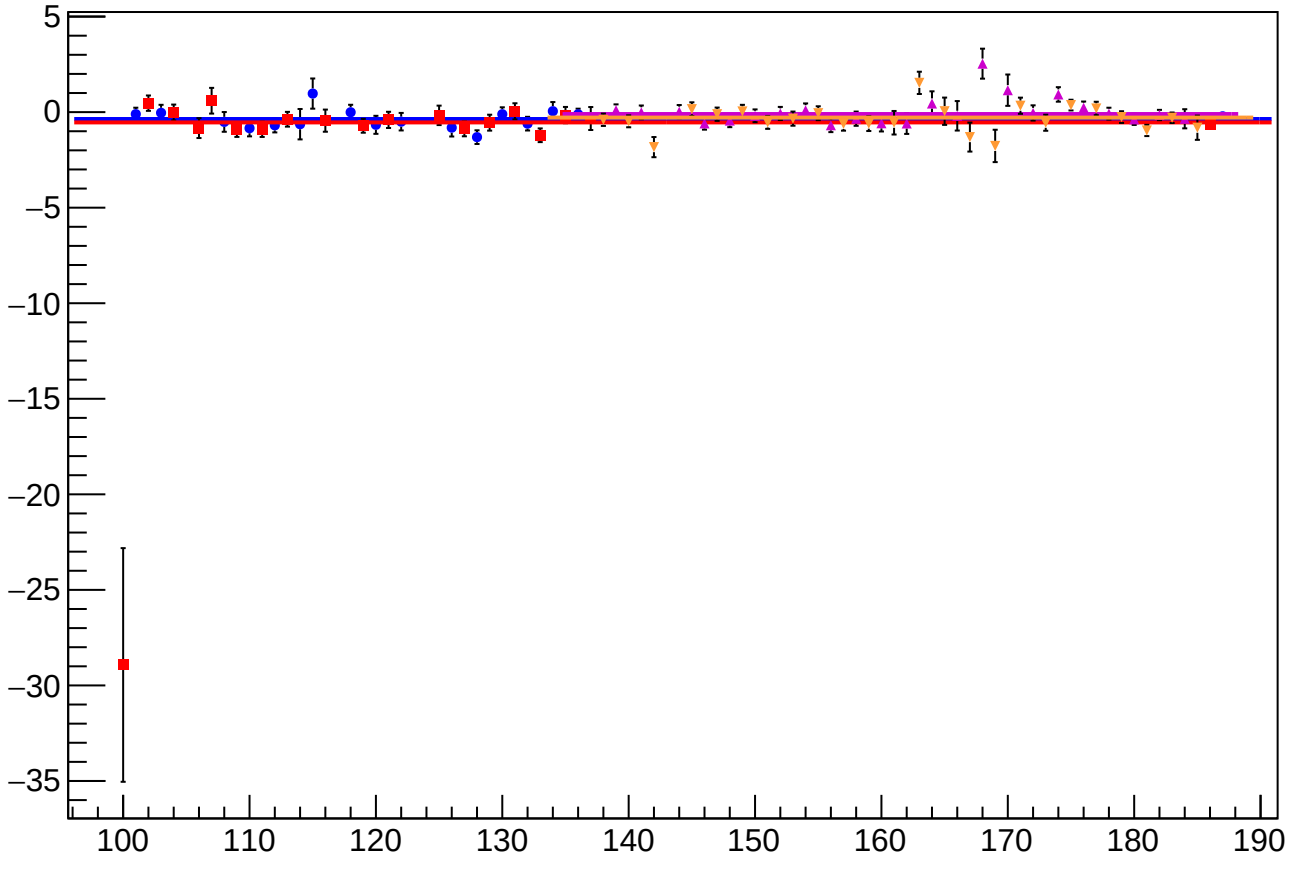
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.075+/-0.063 χ^2/NDF: 43.9/35

In: 0.142+/-0.050 χ^2/NDF:53.0/39

Out: 0.222+/-0.049 χ^2/NDF:52.7/42

All: 0.183+/-0.035 χ^2/NDF: 107.0/82



Right In: -0.360+/-0.090 χ^2/NDF: 18.6/16

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.538+/-0.083 χ^2/NDF: 43.1/18

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

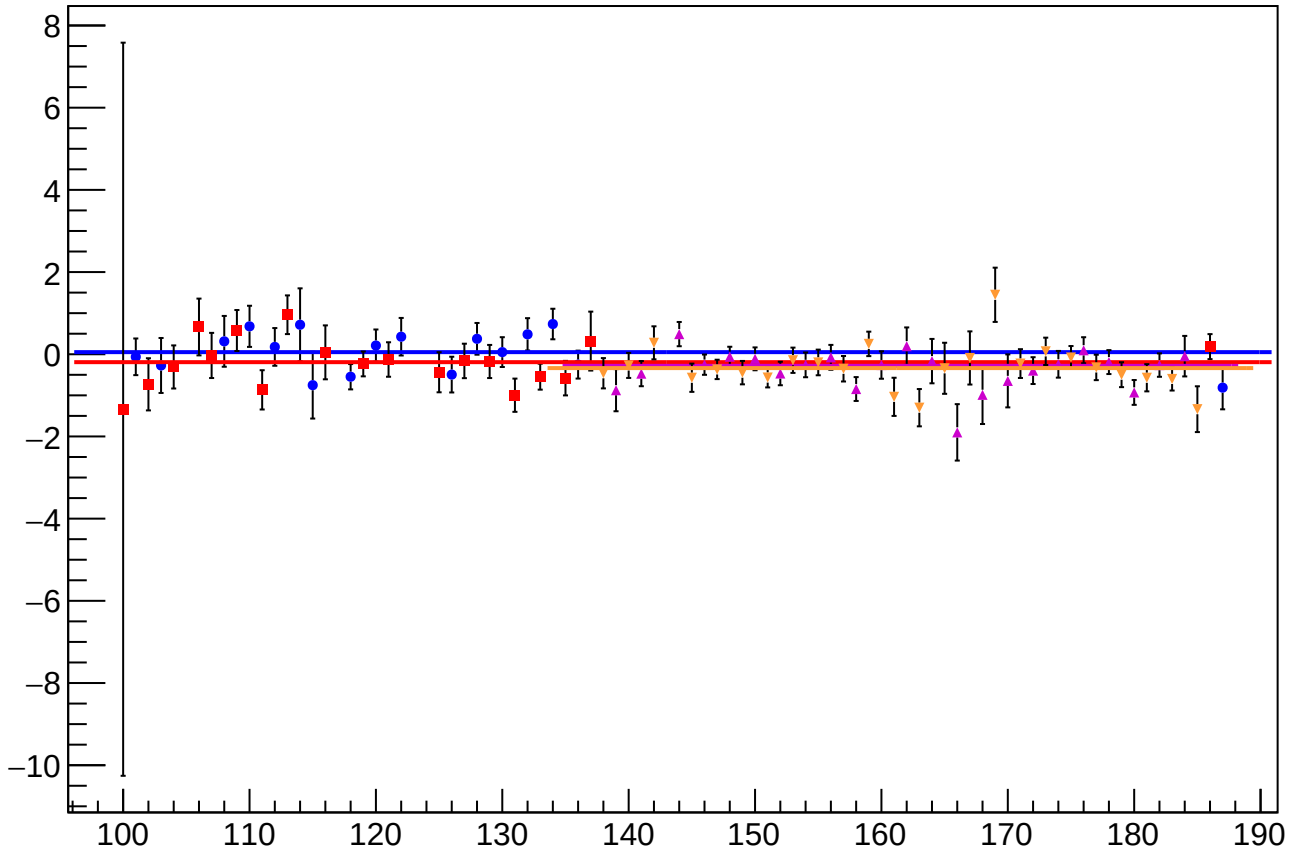
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.457+/-0.061 χ^2/NDF: 63.9/35

In: -0.212+/-0.059 χ^2/NDF:56.6/39

Out: -0.404+/-0.056 χ^2/NDF:93.1/42

All: -0.313+/-0.041 χ^2/NDF: 155.2/82



Right In: 0.052+/-0.106 χ^2/NDF: 18.7/16

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.192+/-0.103 χ^2/NDF: 21.4/18

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

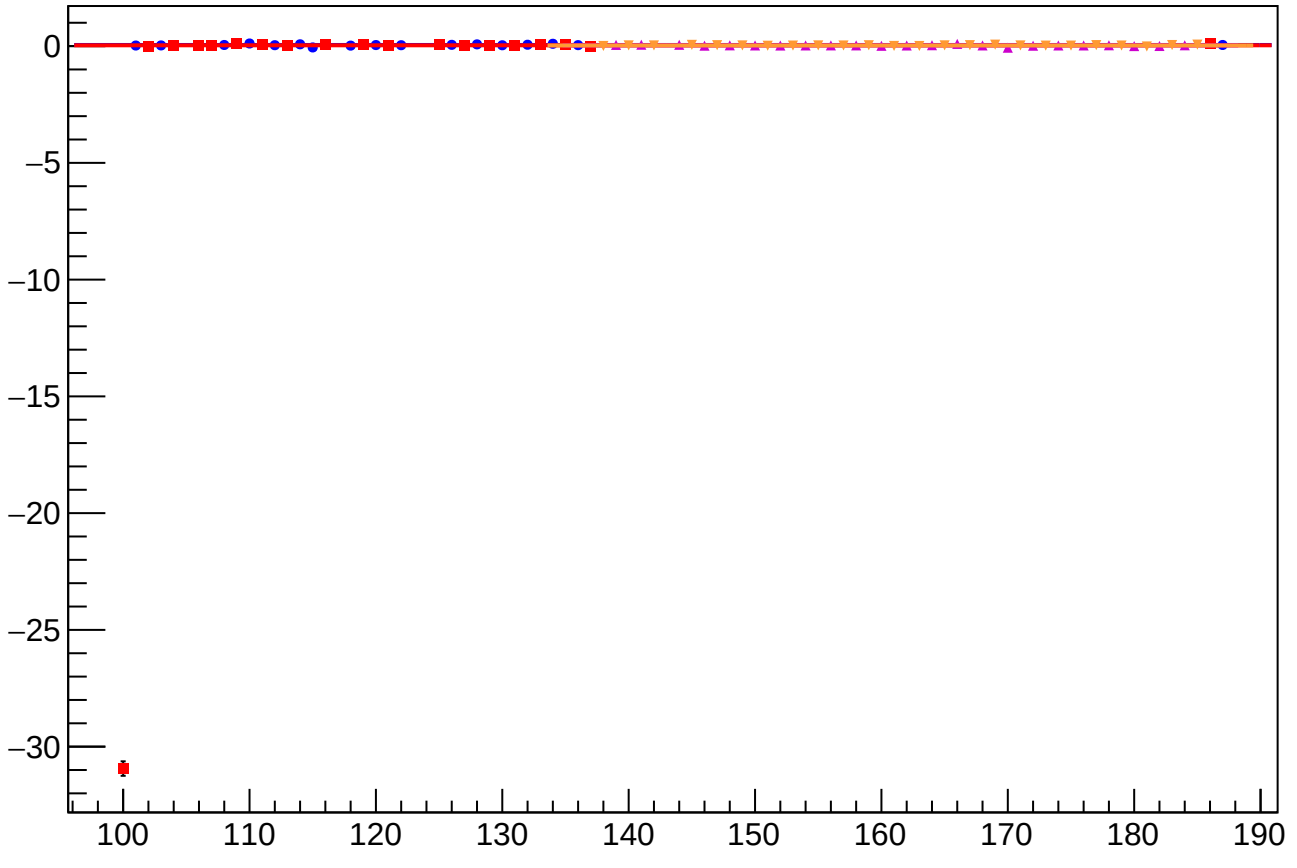
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.074+/-0.074 χ^2/NDF: 42.7/35

In: -0.183+/-0.058 χ^2/NDF:54.6/39

Out: -0.293+/-0.057 χ^2/NDF:52.9/42

All: -0.239+/-0.041 χ^2/NDF: 109.3/82



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/16

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.035+/-0.006 χ^2/NDF: 10036.0/18

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

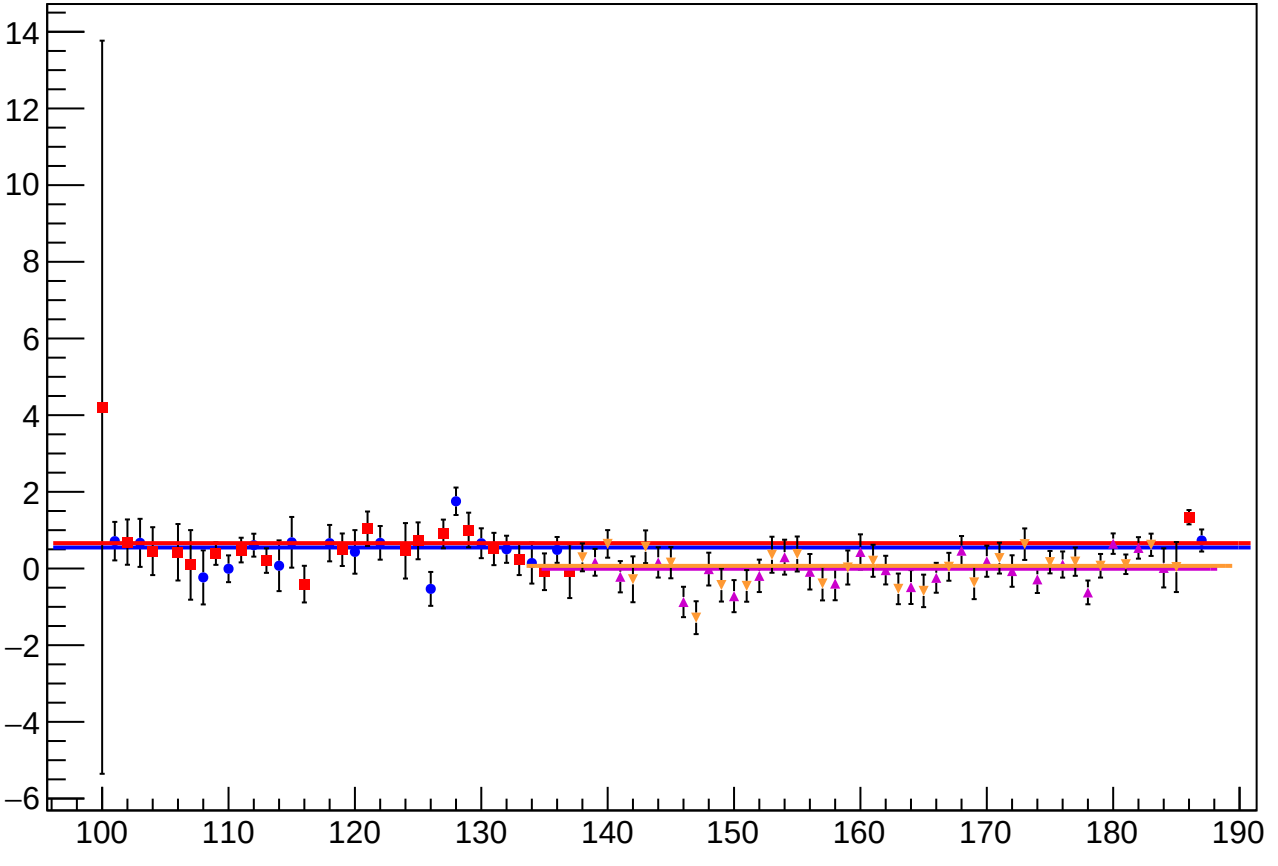
Right: 0.042+/-0.004 χ^2/NDF: 10057.7/35

In: 0.033+/-0.003 χ^2/NDF:65.9/39

Out: 0.029+/-0.003 χ^2/NDF:10064.5/42

All: 0.031+/-0.002 χ^2/NDF: 10131.5/82

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.548+/-0.102 χ^2/NDF: 23.1/16

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.662+/-0.092 χ^2/NDF: 28.6/19

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

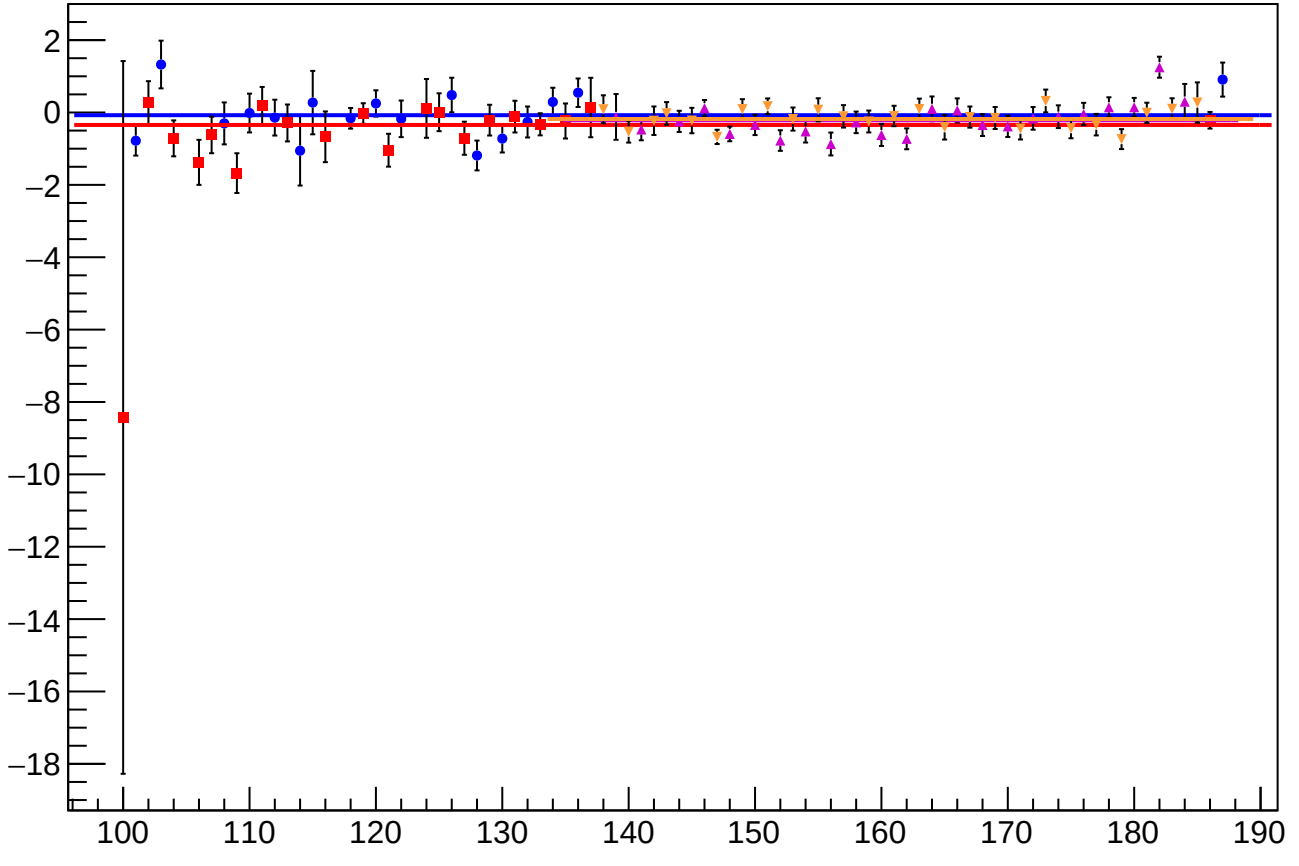
Right: 0.611+/-0.068 χ^2/NDF: 52.4/36

In: 0.204+/-0.063 χ^2/NDF:70.1/39

Out: 0.315+/-0.059 χ^2/NDF:84.3/44

All: 0.263+/-0.043 χ^2/NDF: 156.0/84

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.075+/-0.109 χ^2/NDF: 29.2/16

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.344+/-0.100 χ^2/NDF: 18.6/19

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

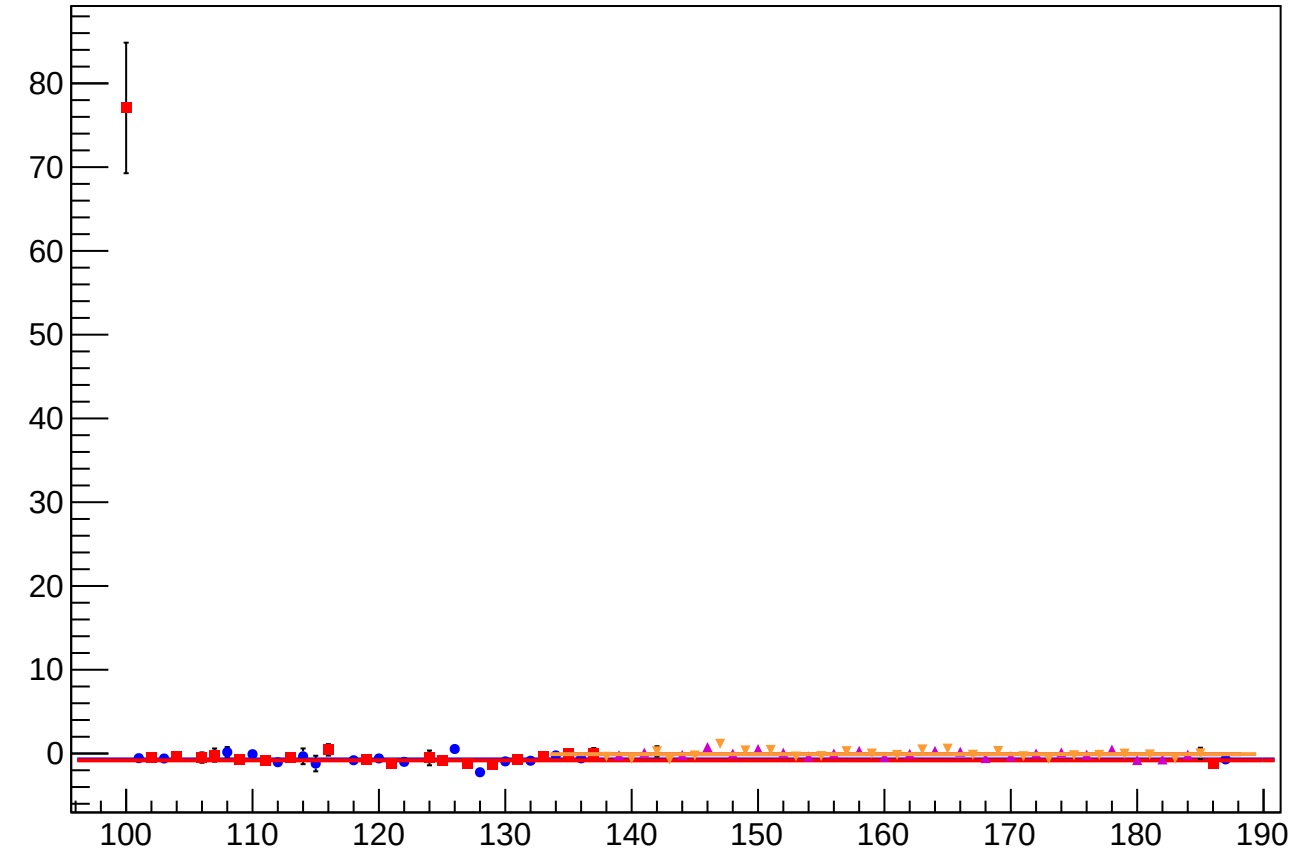
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: -0.220+/-0.074 χ^2/NDF: 51.1/36

In: -0.181+/-0.054 χ^2/NDF:84.1/39

Out: -0.222+/-0.051 χ^2/NDF:45.3/44

All: -0.203+/-0.037 χ^2/NDF: 129.7/84



Right In: -0.711+/-0.108 χ^2/NDF: 24.9/16

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.816+/-0.094 χ^2/NDF: 119.0/19

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

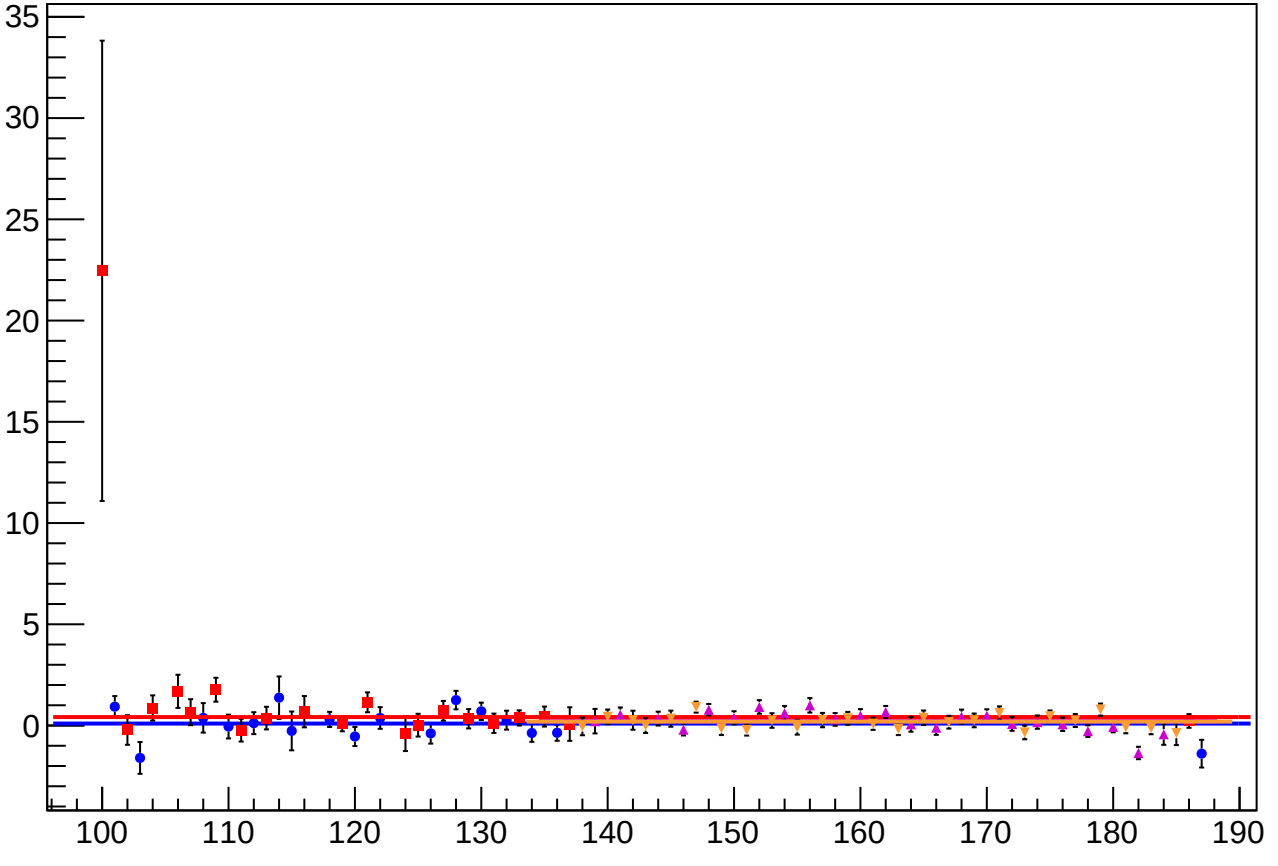
Right: -0.770+/-0.071 χ^2/NDF: 144.4/36

In: -0.295+/-0.064 χ^2/NDF:75.8/39

Out: -0.371+/-0.060 χ^2/NDF:185.8/44

All: -0.336+/-0.043 χ^2/NDF: 262.4/84

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.096+/-0.126 χ^2/NDF: 28.2/16

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.417+/-0.120 χ^2/NDF: 20.1/19

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

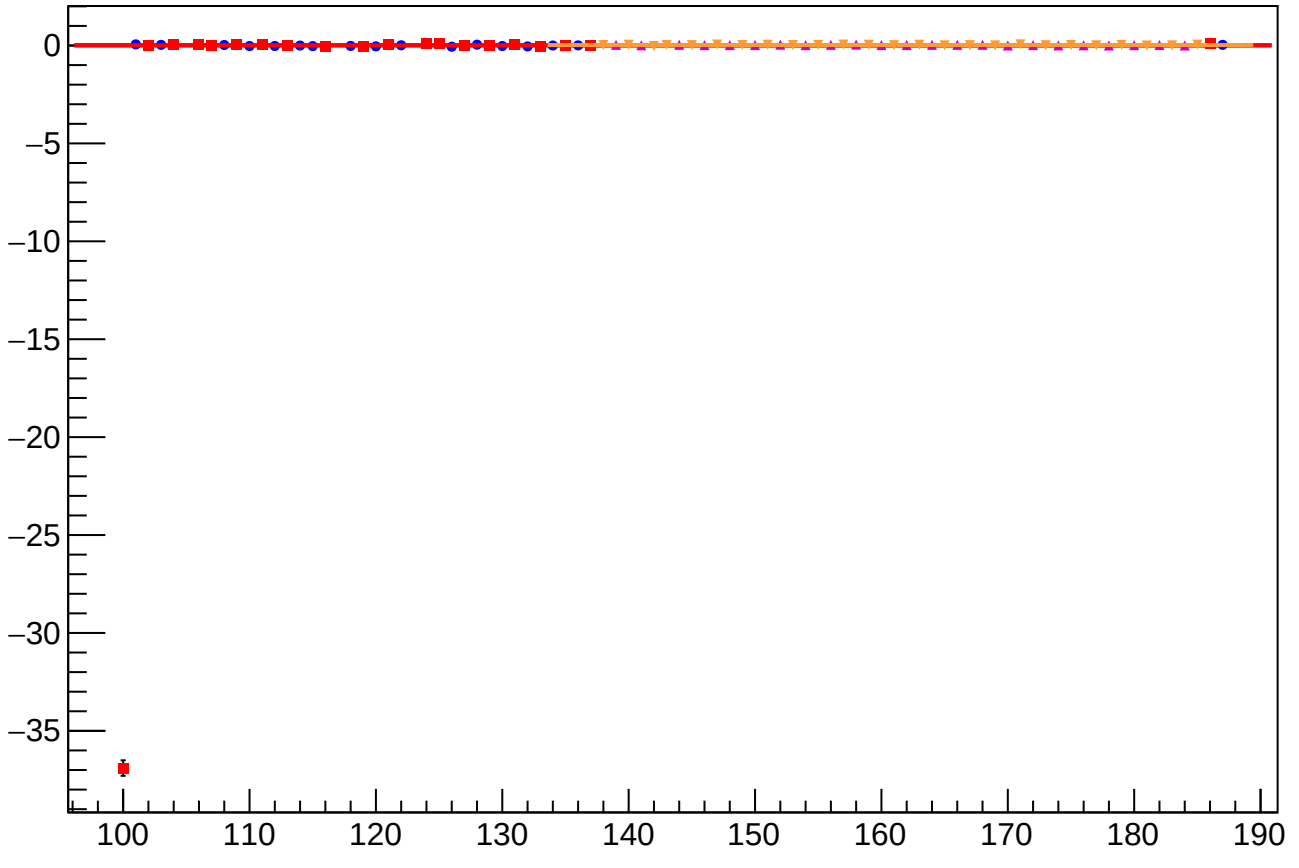
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.264+/-0.087 χ^2/NDF: 51.7/36

In: 0.187+/-0.061 χ^2/NDF:83.9/39

Out: 0.246+/-0.058 χ^2/NDF:48.6/44

All: 0.218+/-0.042 χ^2/NDF: 133.0/84



Right In: 0.007+/-0.007 χ^2/NDF: 18.1/16

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.011+/-0.007 χ^2/NDF: 8769.8/19

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

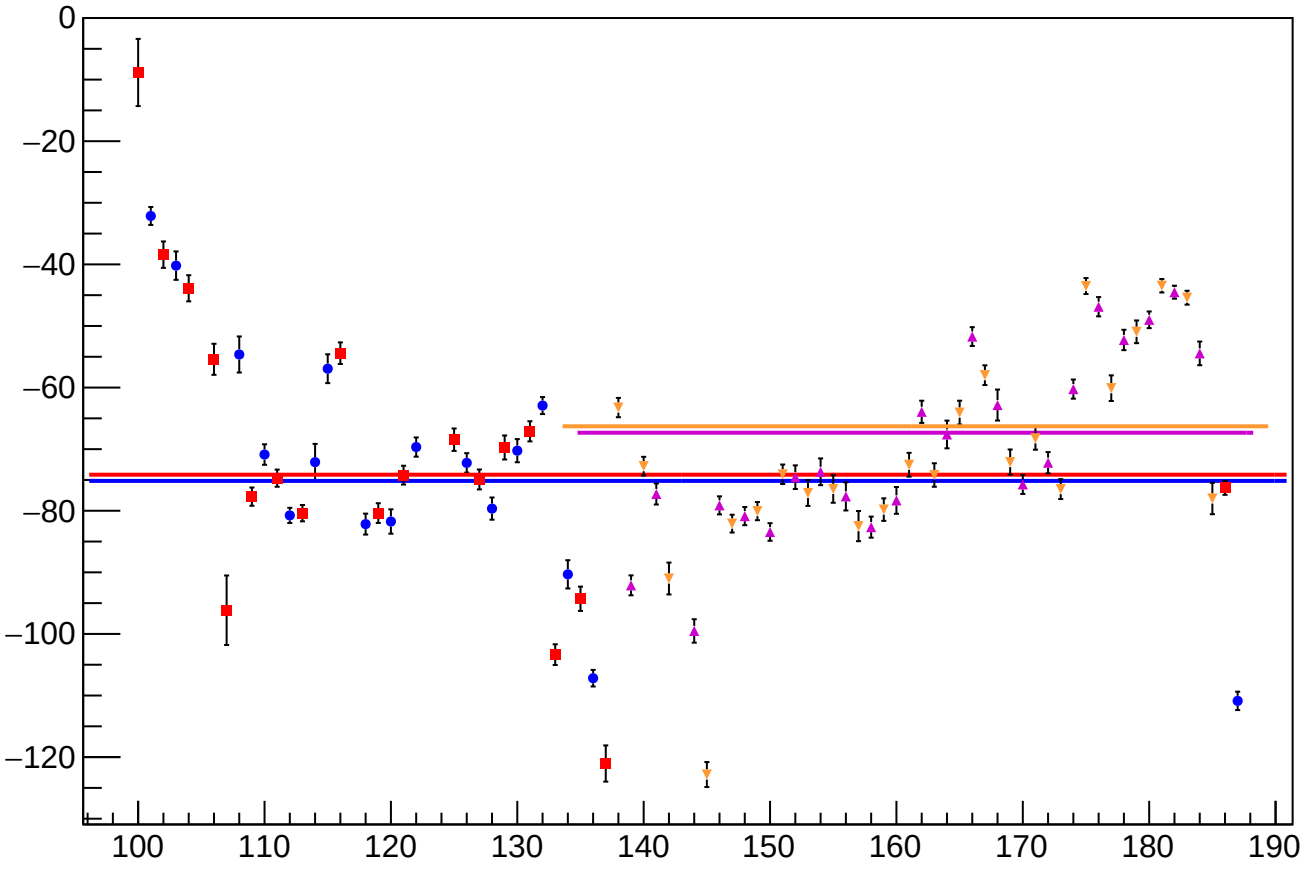
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.009+/-0.005 χ^2/NDF: 8788.0/36

In: 0.022+/-0.003 χ^2/NDF:40.8/39

Out: 0.022+/-0.003 χ^2/NDF:8802.9/44

All: 0.022+/-0.002 χ^2/NDF: 8843.7/84



Right In: -75.154+/-0.415 χ^2/NDF: 2554.3/16

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -74.147+/-0.402 χ^2/NDF: 1561.9/18

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

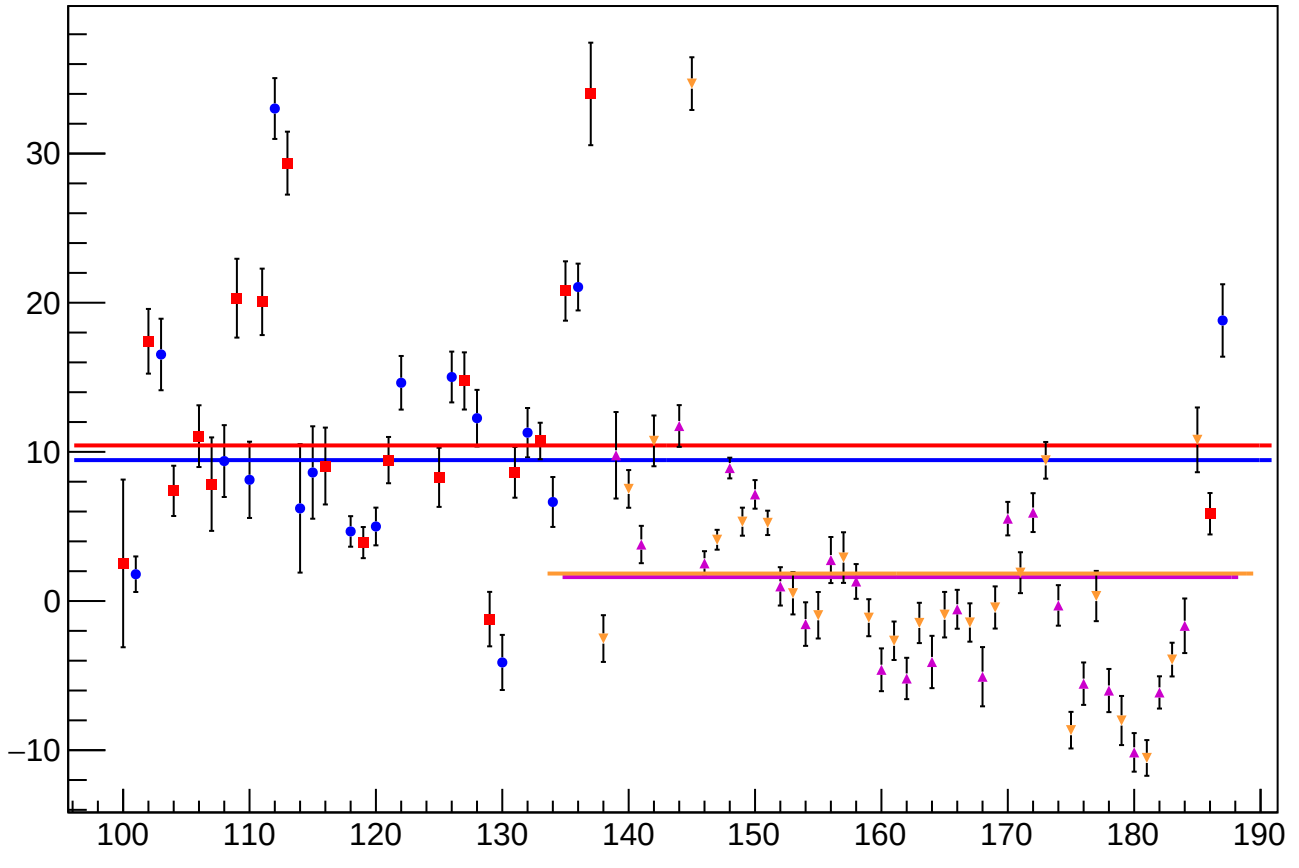
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.635+/-0.289 χ^2/NDF: 4119.2/35

In: -70.530+/-0.265 χ^2/NDF:4867.0/39

Out: -69.608+/-0.261 χ^2/NDF:4332.9/42

All: -70.062+/-0.186 χ^2/NDF: 9206.1/82



Right In: 9.447+/-0.419 χ^2/NDF: 367.4/16

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.432+/-0.420 χ^2/NDF: 302.2/18

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

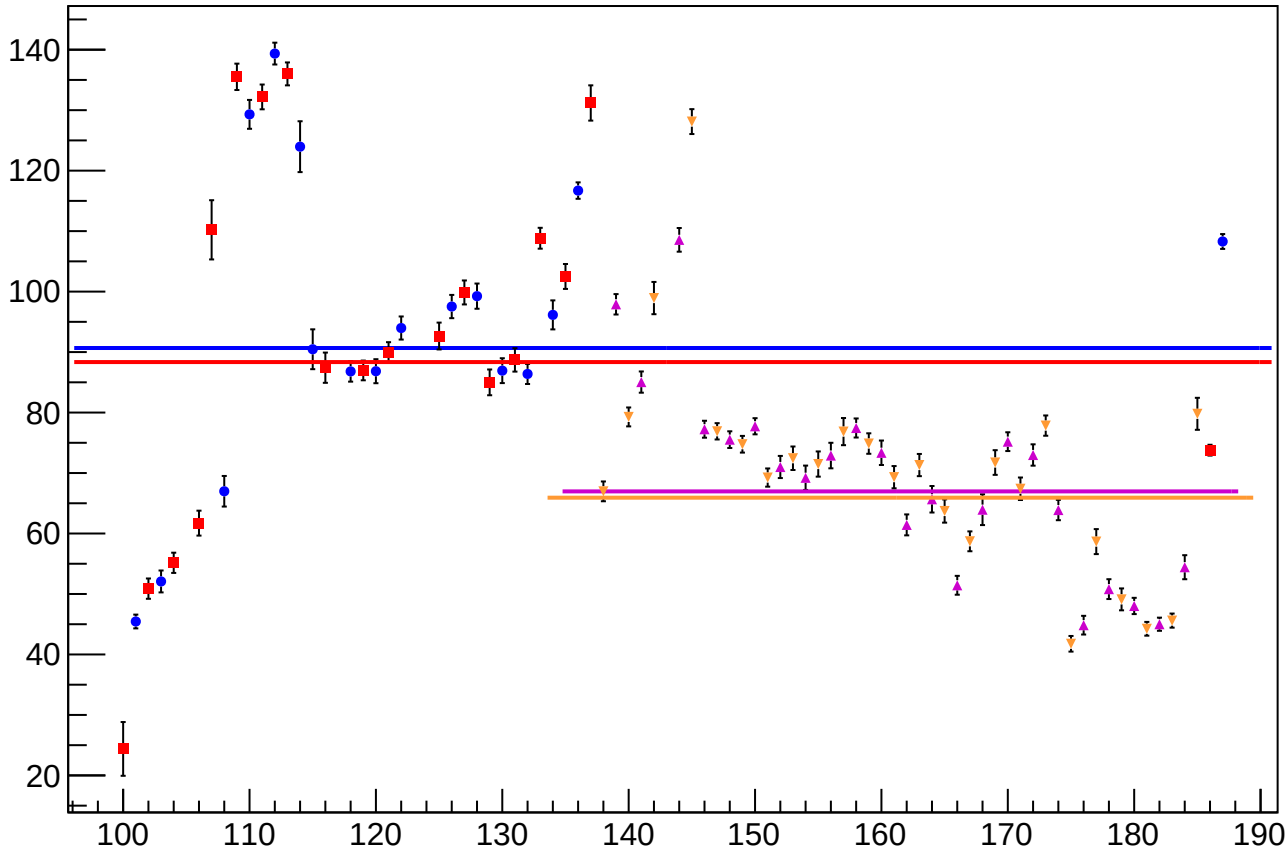
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 9.939+/-0.296 χ^2/NDF: 672.3/35

In: 3.768+/-0.220 χ^2/NDF:1118.0/39

Out: 4.152+/-0.218 χ^2/NDF:1390.1/42

All: 3.962+/-0.155 χ^2/NDF: 2509.6/82



Right In: 90.673+/-0.438 χ^2/NDF: 3797.3/16

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 88.349+/-0.425 χ^2/NDF: 3553.4/18

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

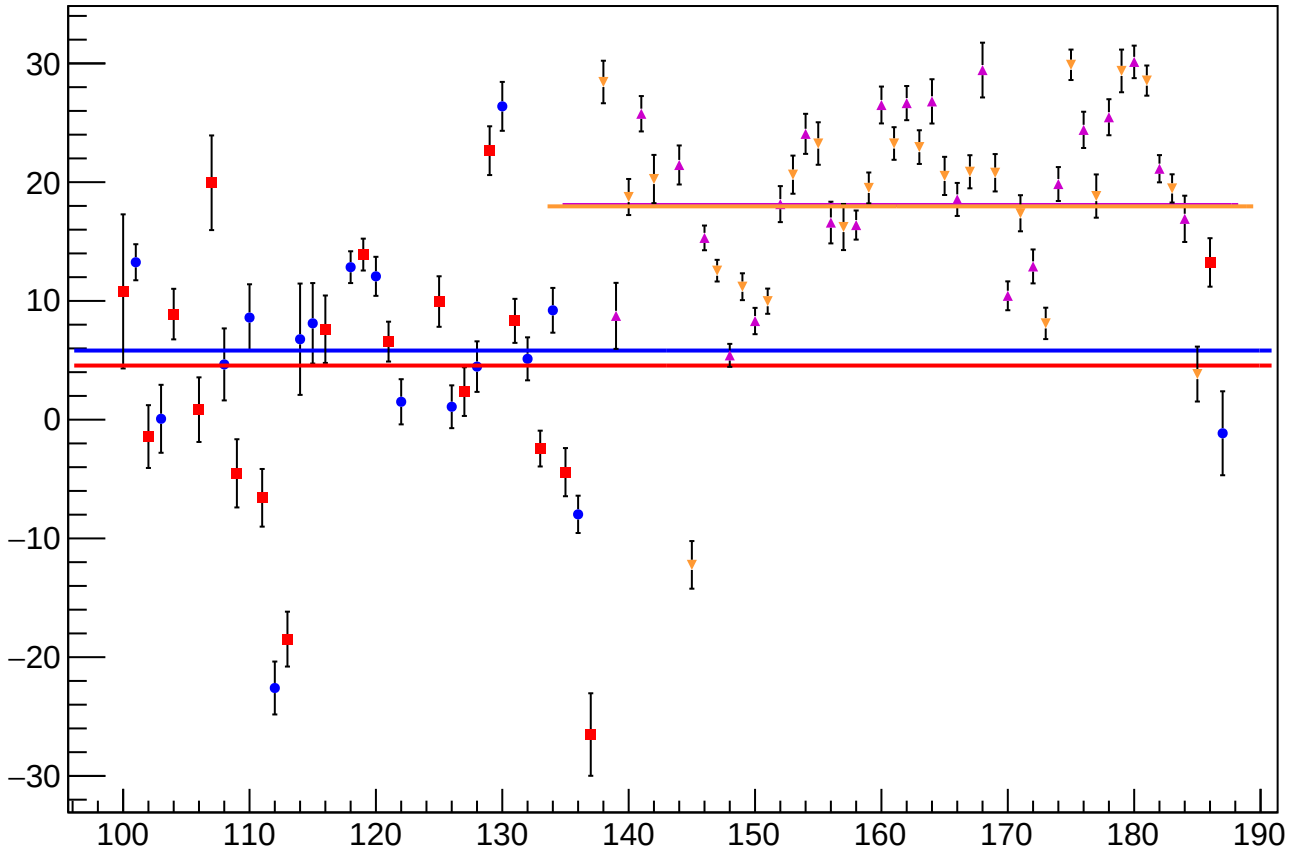
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 89.477+/-0.305 χ^2/NDF: 7365.2/35

In: 75.923+/-0.269 χ^2/NDF:7843.1/39

Out: 74.687+/-0.266 χ^2/NDF:7804.2/42

All: 75.298+/-0.189 χ^2/NDF: 15658.0/82



Right In: 5.822+/-0.490 χ^2/NDF: 430.7/16

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.558+/-0.494 χ^2/NDF: 436.9/18

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

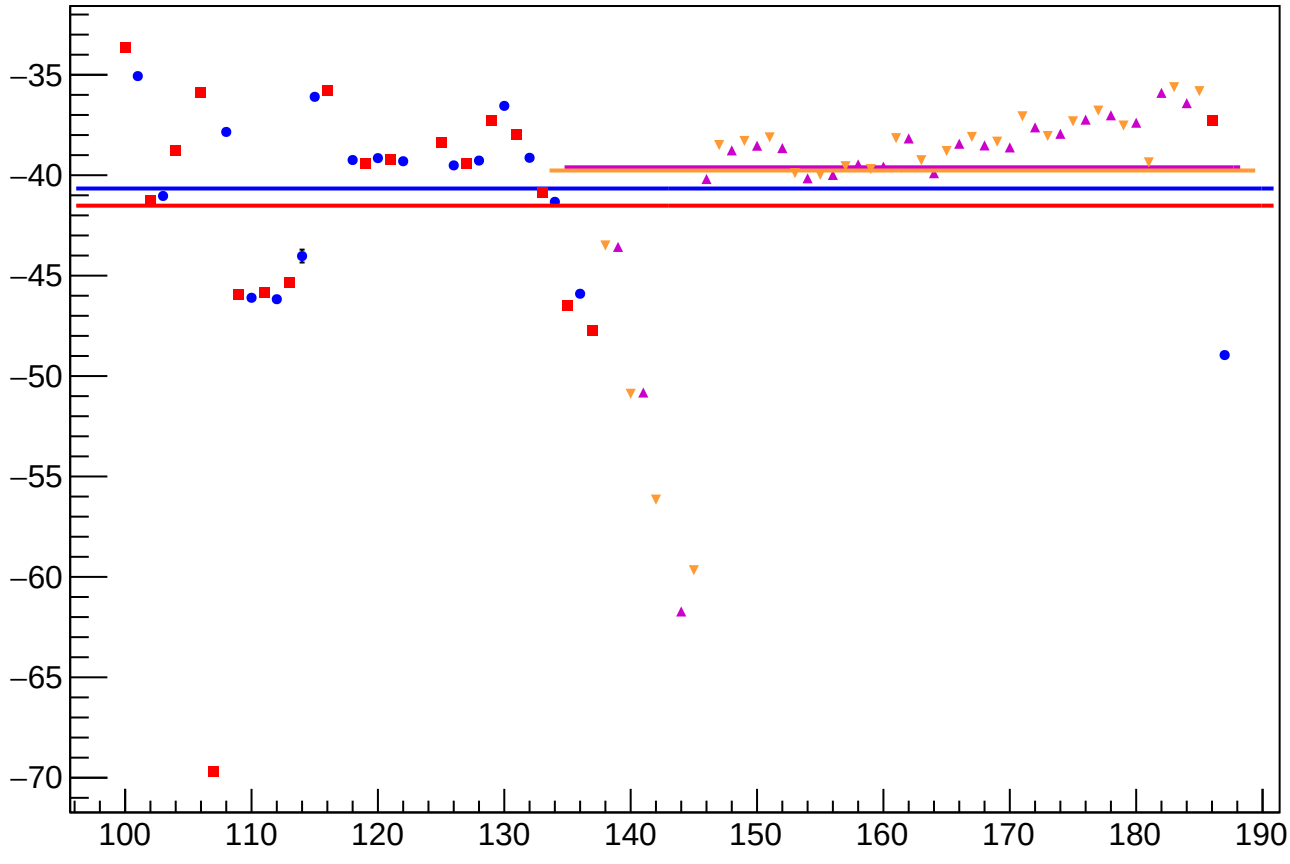
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.196+/-0.348 χ^2/NDF: 870.9/35

In: 14.820+/-0.253 χ^2/NDF:1495.3/39

Out: 14.498+/-0.251 χ^2/NDF:1714.0/42

All: 14.658+/-0.178 χ^2/NDF: 3210.2/82



Right In: -40.662+/-0.028 χ^2/NDF: 19933.7/16

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.516+/-0.029 χ^2/NDF: 37710.6/18

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

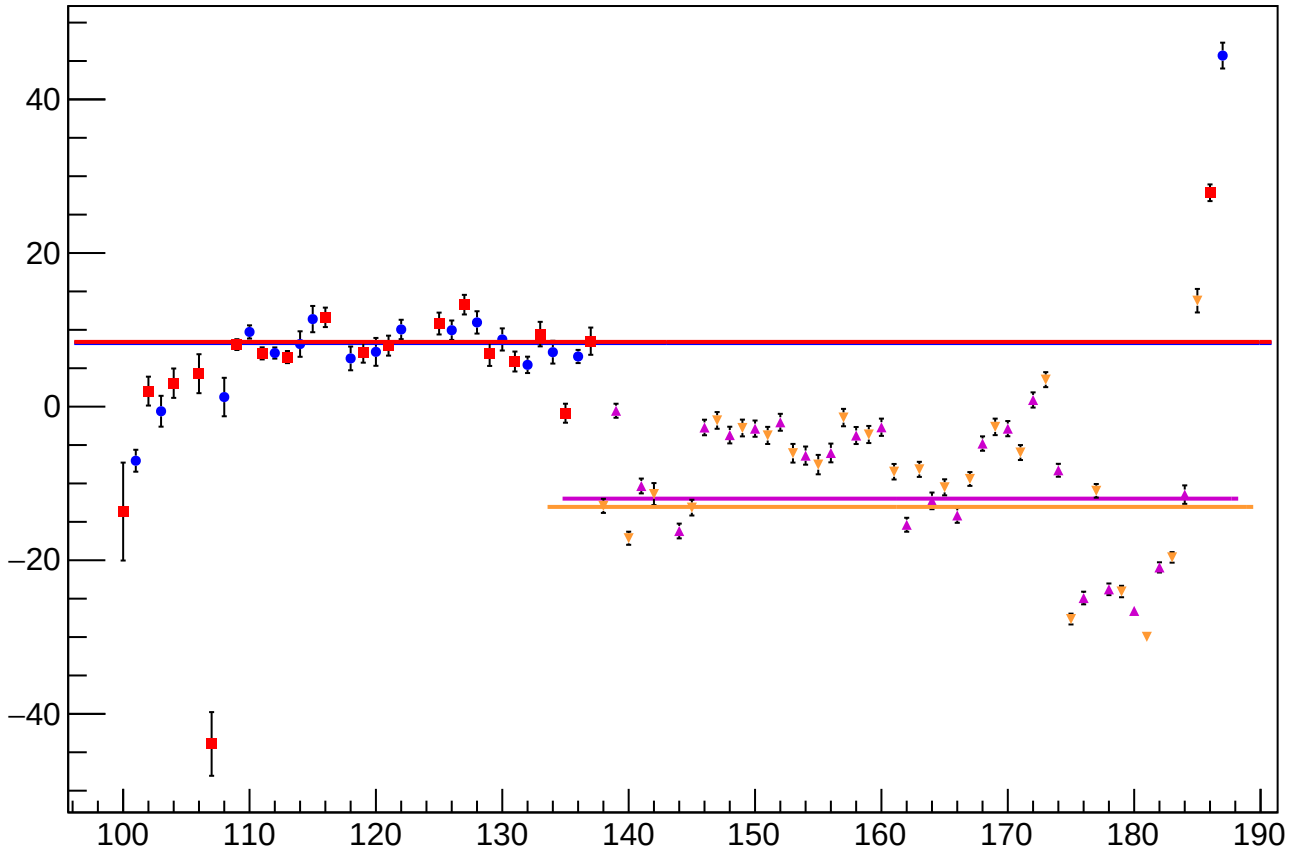
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

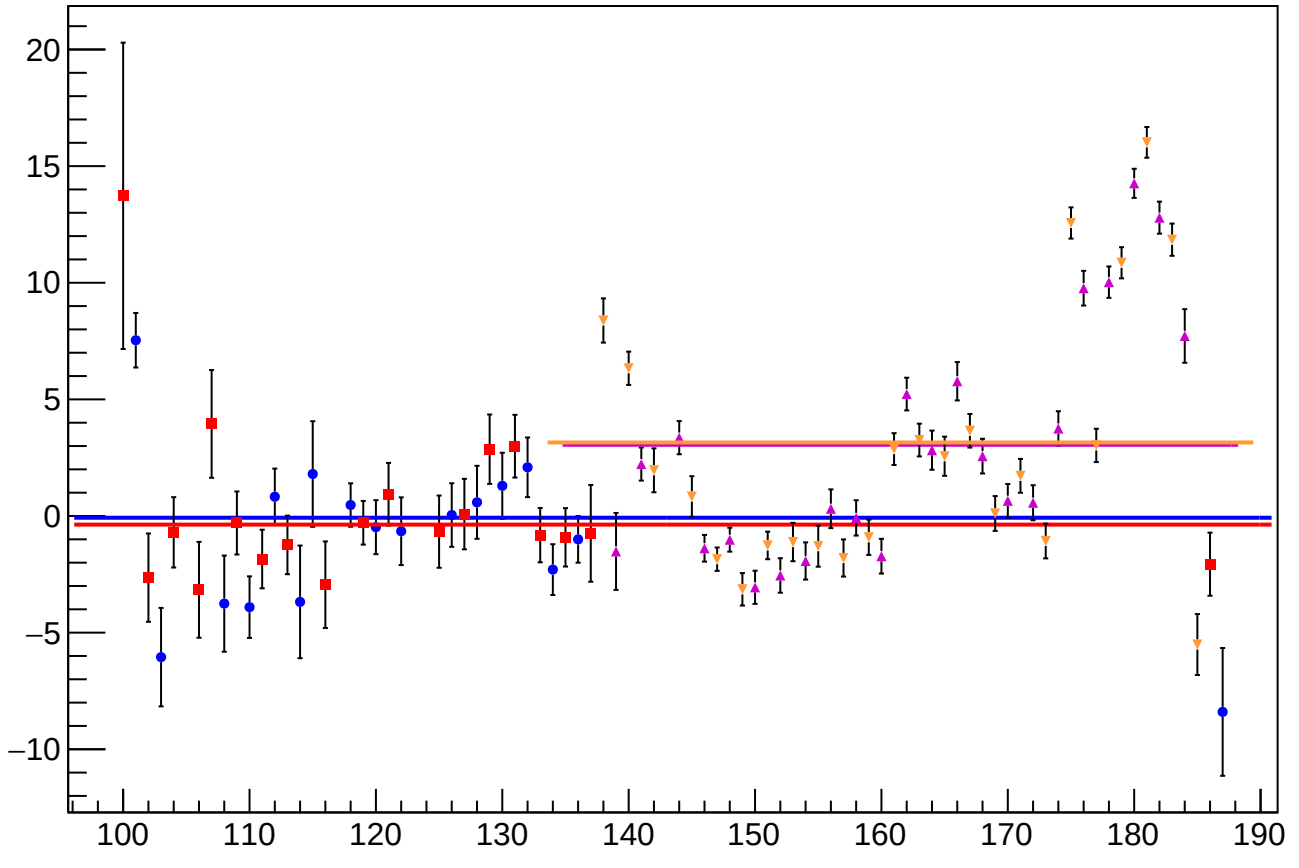
Right: -41.079+/-0.020 χ^2/NDF: 58097.4/35

In: -39.802+/-0.012 χ^2/NDF:127728.8/39

Out: -40.081+/-0.012 χ^2/NDF:170658.0/42

All: -39.940+/-0.009 χ^2/NDF: 298652.1/82


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
190
Right In: 8.277+/-0.304 χ²/NDF: 668.5/16
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 8.430+/-0.288 χ²/NDF: 609.5/18
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 8.358+/-0.209 χ²/NDF: 1278.1/35
In: -6.057+/-0.164 χ²/NDF:5983.5/39
Out: -6.392+/-0.160 χ²/NDF:7329.2/42
All: -6.229+/-0.115 χ²/NDF: 13314.8/82



Right In: -0.074+/-0.329 χ^2/NDF: 84.4/16

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.369+/-0.334 χ^2/NDF: 29.2/18

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

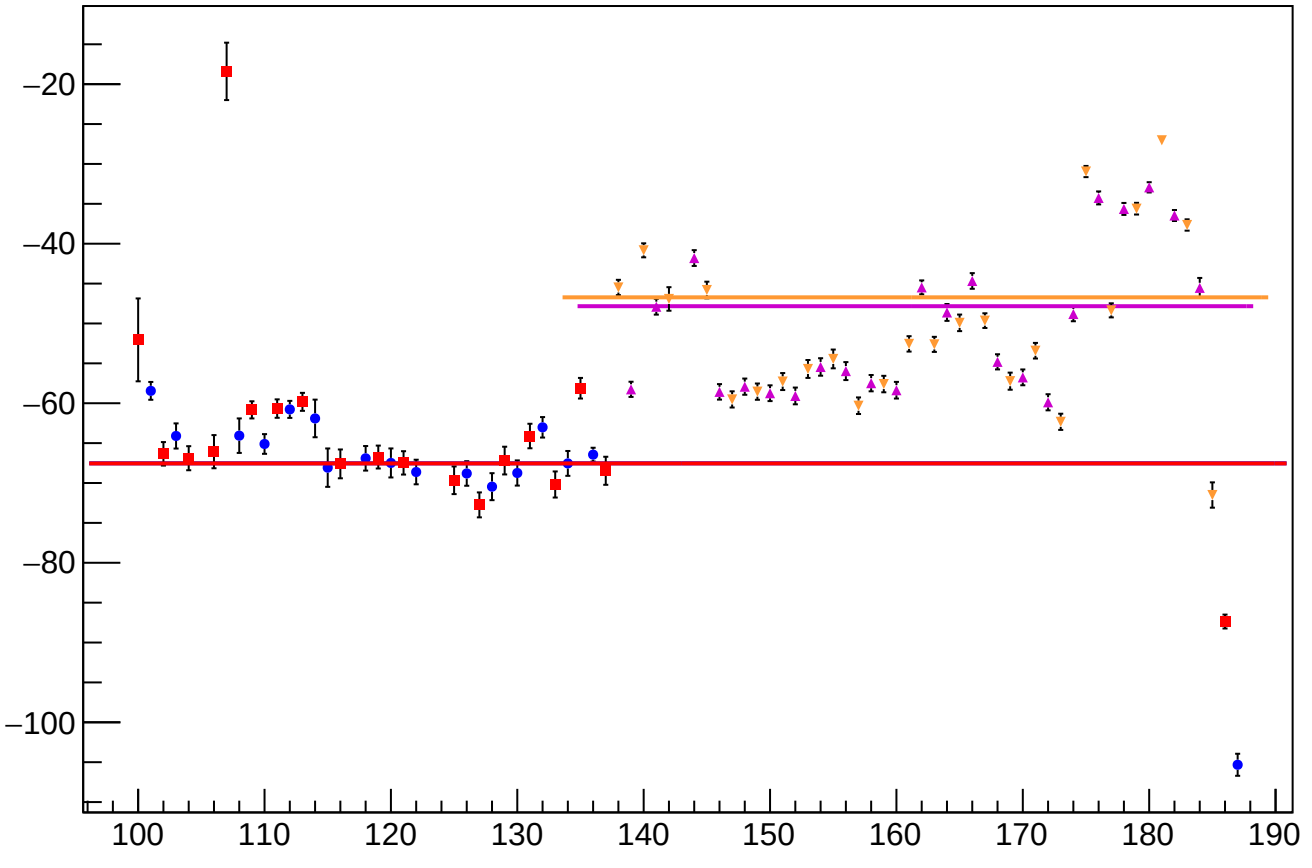
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.219+/-0.234 χ^2/NDF: 114.0/35

In: 2.505+/-0.138 χ^2/NDF:1303.9/39

Out: 2.567+/-0.136 χ^2/NDF:1507.1/42

All: 2.536+/-0.097 χ^2/NDF: 2811.1/82



Right In: -67.532+/-0.343 χ^2/NDF: 890.4/16

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -67.546+/-0.333 χ^2/NDF: 909.5/18

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

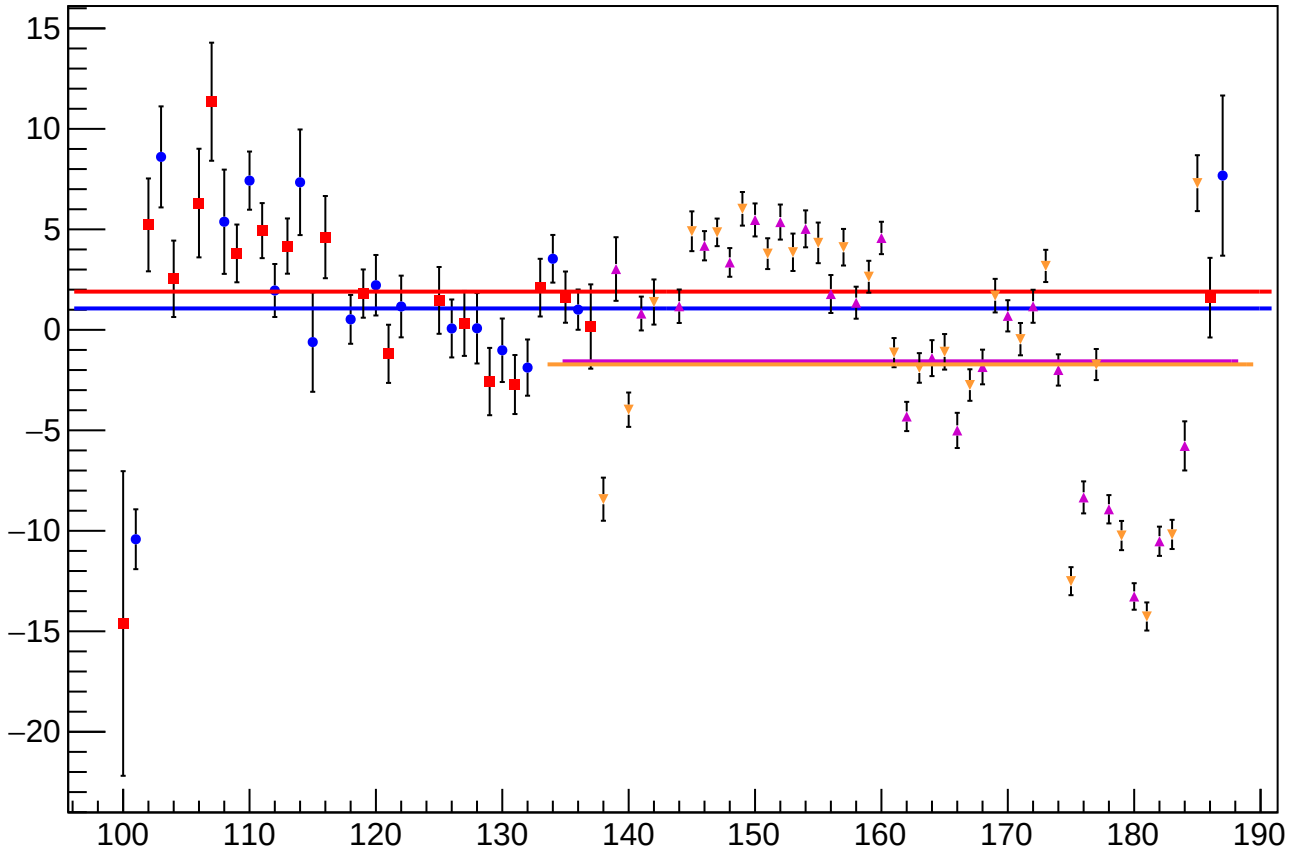
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

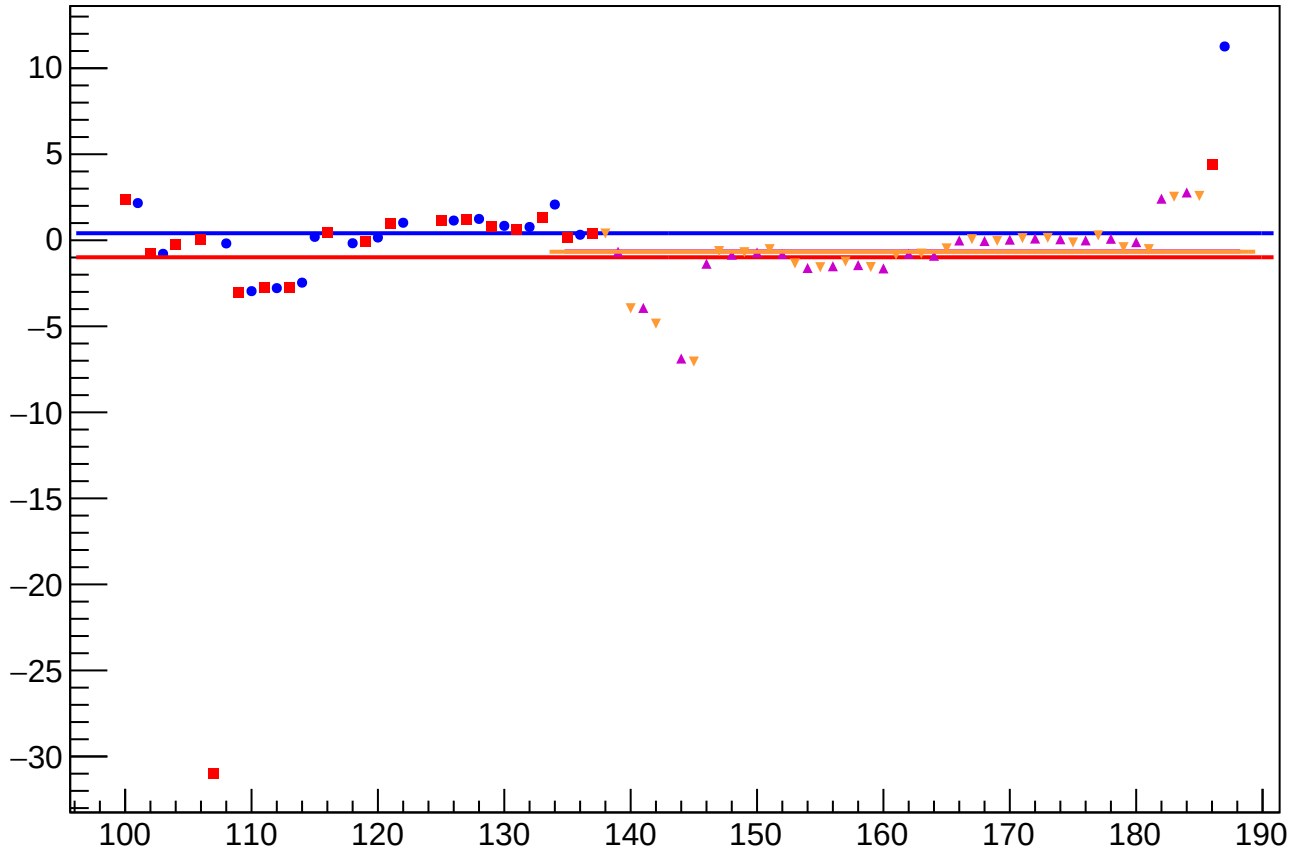
Right: -67.539+/-0.239 χ^2/NDF: 1799.9/35

In: -52.605+/-0.169 χ^2/NDF:5948.3/39

Out: -51.899+/-0.166 χ^2/NDF:7292.4/42

All: -52.246+/-0.118 χ^2/NDF: 13249.7/82


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
170
180
190
Right In: 1.065+/-0.374 χ²/NDF: 112.0/16
Left Out: -1.718+/-0.168 χ²/NDF:1406.1/23
Right Out: 1.902+/-0.382 χ²/NDF: 54.5/18
Left In: -1.567+/-0.171 χ²/NDF:1117.7/22
Left: -1.644+/-0.120 χ²/NDF: 2524.2/46
Right: 1.474+/-0.267 χ²/NDF: 169.0/35
In: -1.113+/-0.155 χ²/NDF:1270.7/39
Out: -1.133+/-0.154 χ²/NDF:1535.8/42
All: -1.123+/-0.109 χ²/NDF: 2806.5/82



Right In: 0.409+/-0.021 χ^2/NDF: 7288.3/16

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.987+/-0.022 χ^2/NDF: 47873.1/18

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

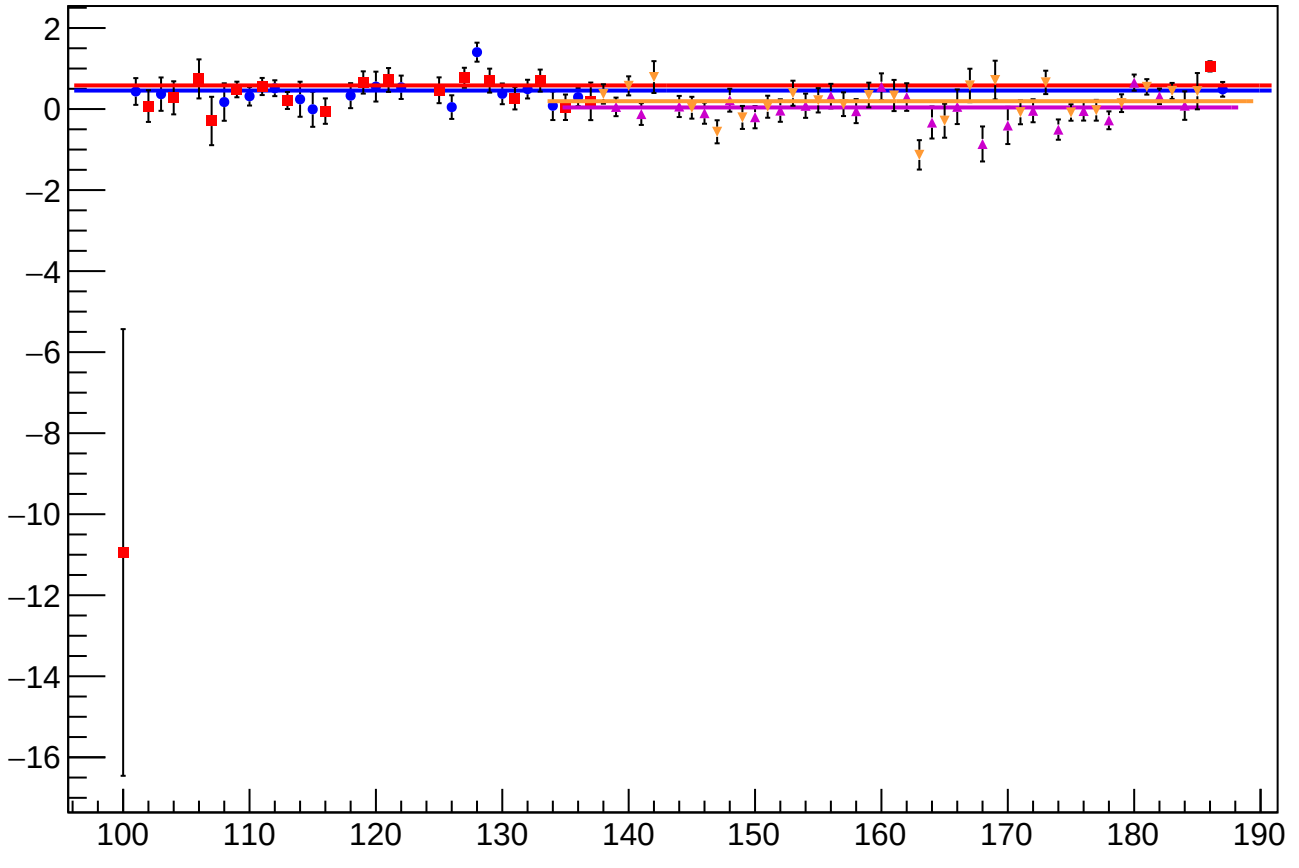
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: -0.258+/-0.015 χ^2/NDF: 57279.4/35

In: -0.525+/-0.007 χ^2/NDF:55100.5/39

Out: -0.699+/-0.007 χ^2/NDF:103342.4/42

All: -0.612+/-0.005 χ^2/NDF: 158743.7/82



Right In: 0.456+/-0.066 χ^2/NDF: 22.7/16

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.583+/-0.061 χ^2/NDF: 36.6/18

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

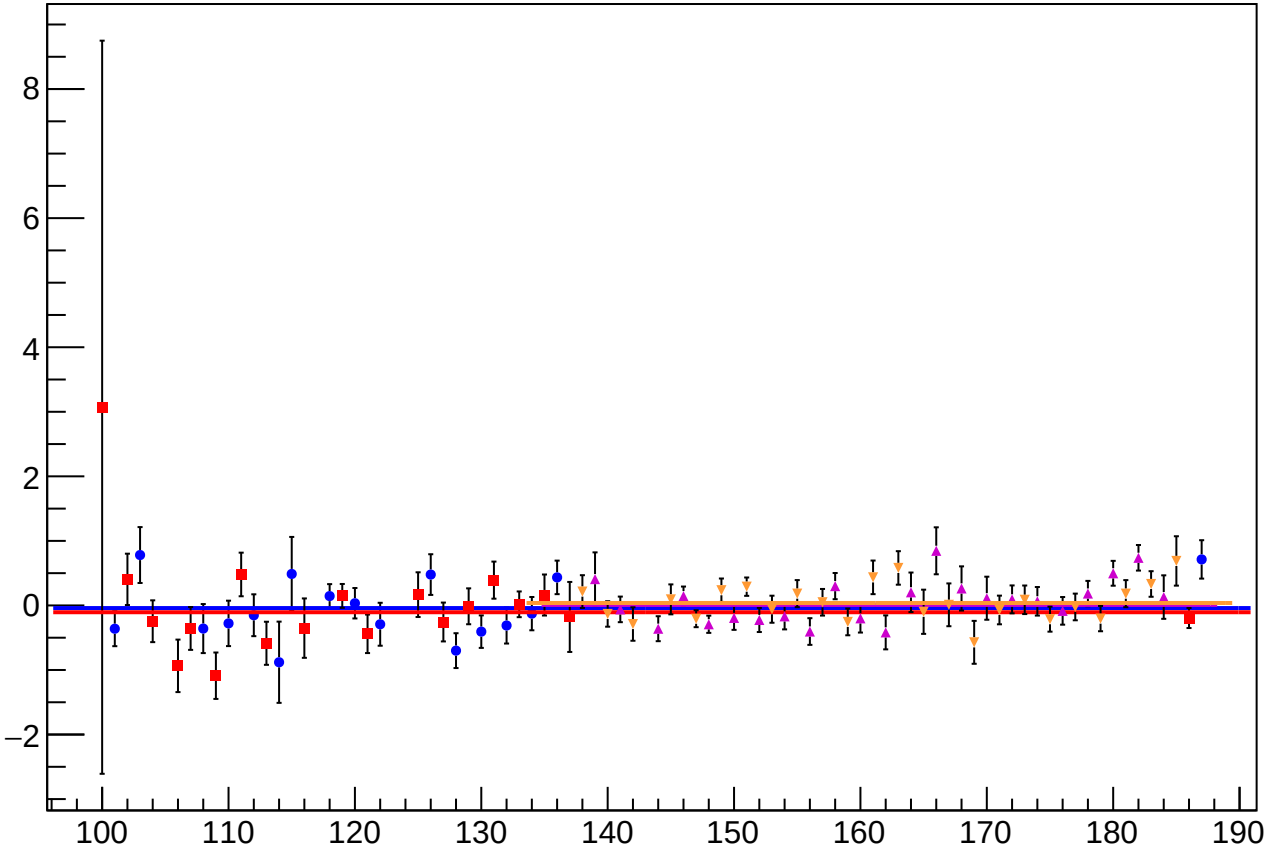
Right: 0.525+/-0.045 χ^2/NDF: 61.3/35

In: 0.219+/-0.043 χ^2/NDF:75.8/39

Out: 0.374+/-0.042 χ^2/NDF:102.6/42

All: 0.300+/-0.030 χ^2/NDF: 185.1/82

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.041+/-0.071 χ^2/NDF: 32.2/16

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.105+/-0.066 χ^2/NDF: 28.3/18

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

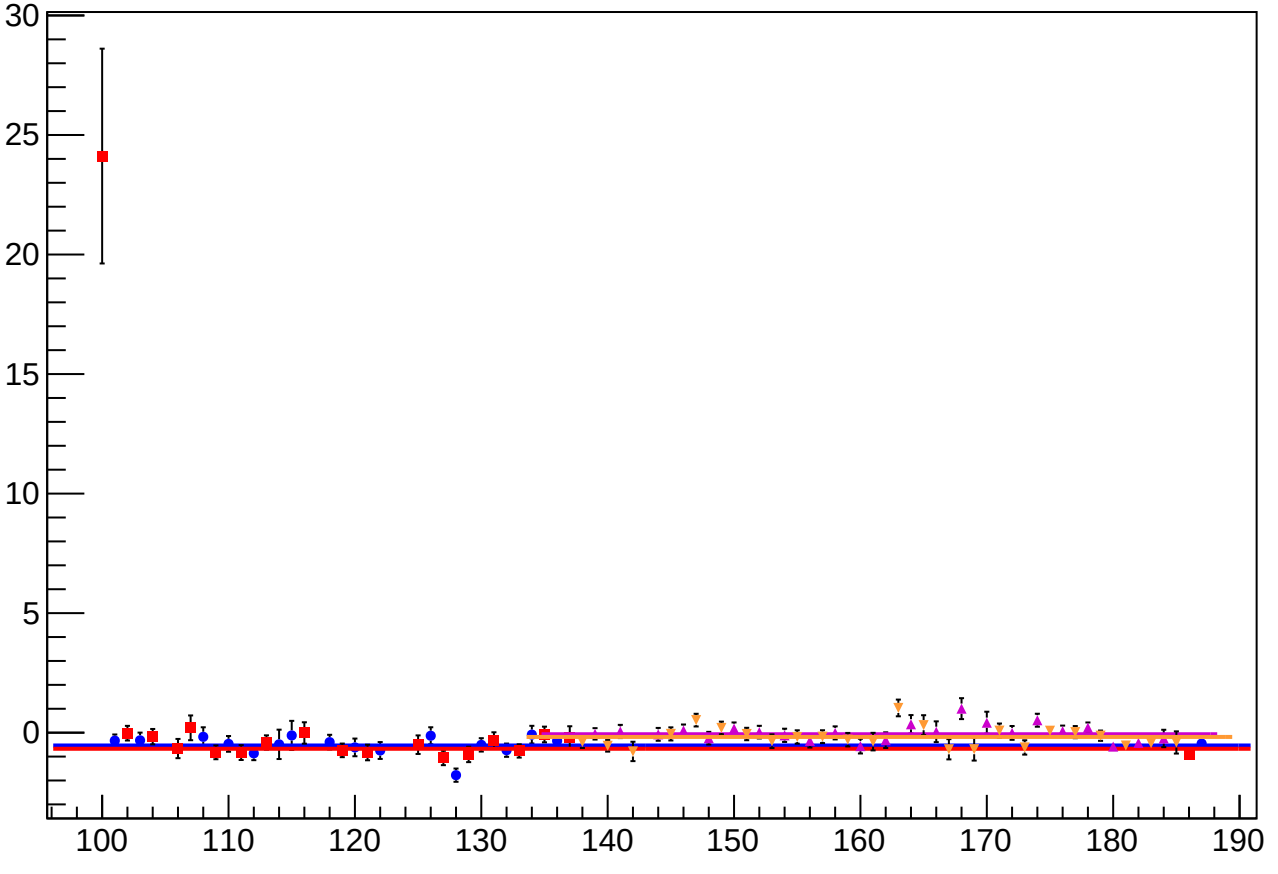
Right: -0.075+/-0.049 χ^2/NDF: 60.9/35

In: -0.005+/-0.038 χ^2/NDF:83.9/39

Out: -0.005+/-0.036 χ^2/NDF:64.3/42

All: -0.005+/-0.026 χ^2/NDF: 148.2/82

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.536+/-0.070 χ^2/NDF: 28.7/16

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.673+/-0.063 χ^2/NDF: 56.9/18

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

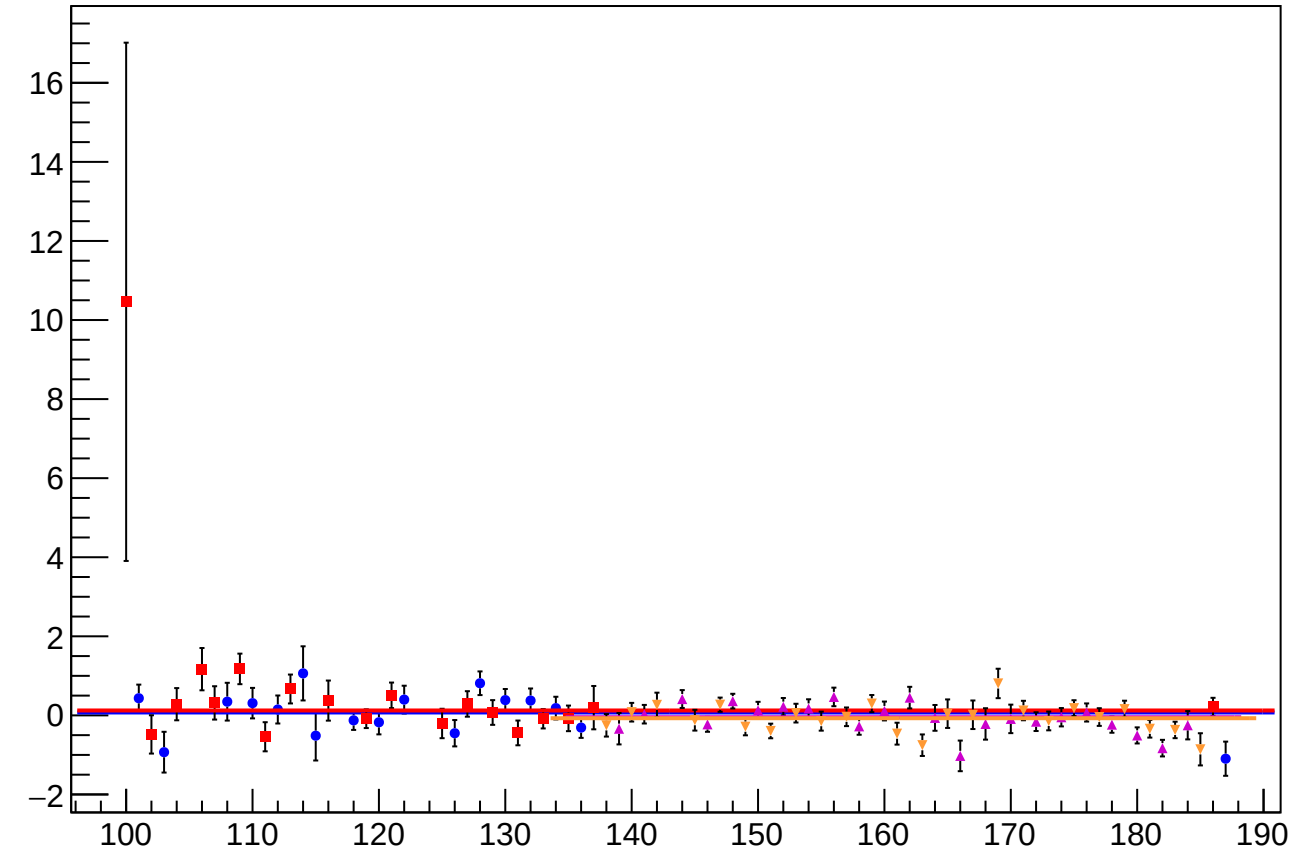
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.612+/-0.047 χ^2/NDF: 87.7/35

In: -0.252+/-0.044 χ^2/NDF:87.1/39

Out: -0.398+/-0.042 χ^2/NDF:133.5/42

All: -0.329+/-0.030 χ^2/NDF: 226.3/82



Right In: 0.074+/-0.082 χ^2/NDF: 31.2/16

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.124+/-0.079 χ^2/NDF: 29.2/18

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

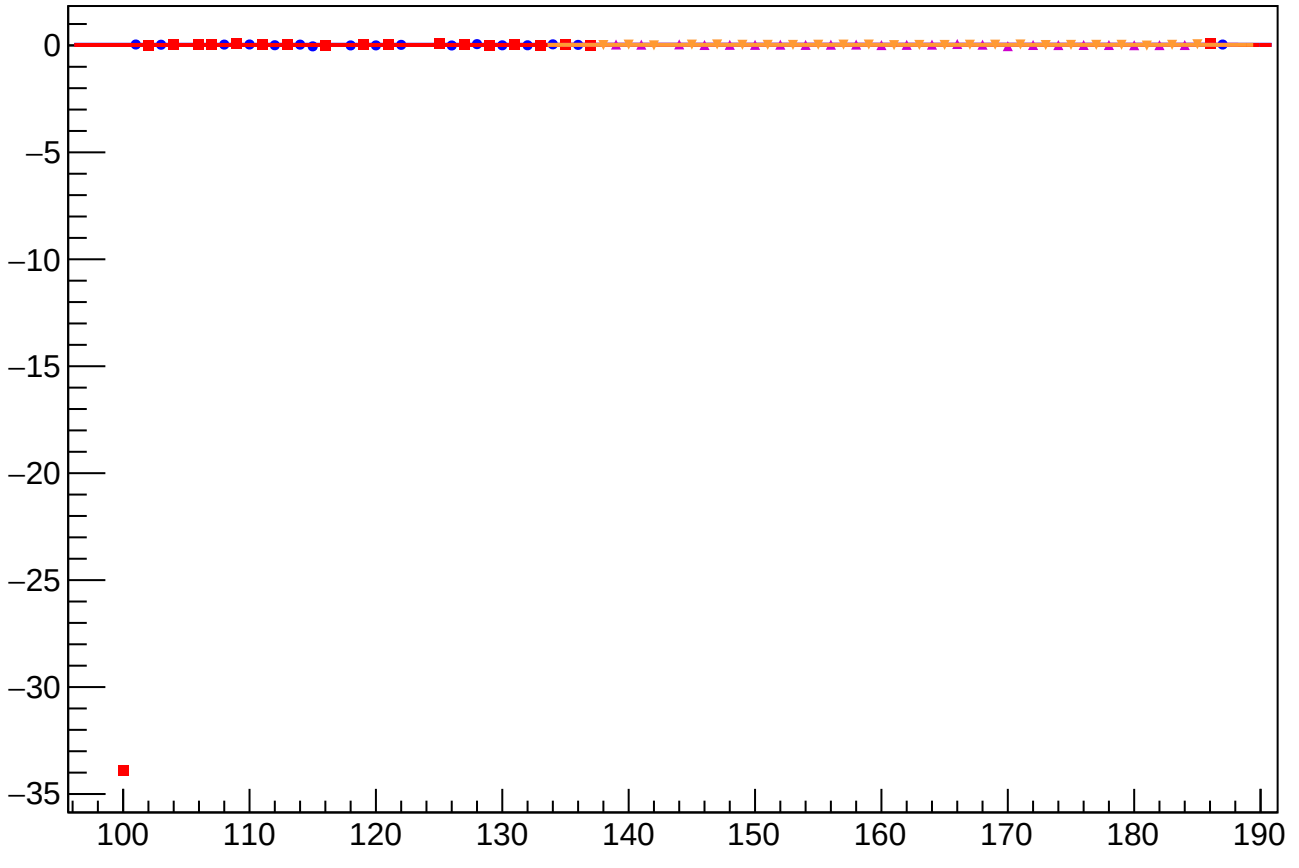
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.100+/-0.057 χ^2/NDF: 60.6/35

In: -0.014+/-0.043 χ^2/NDF:83.3/39

Out: -0.017+/-0.042 χ^2/NDF:71.3/42

All: -0.016+/-0.030 χ^2/NDF: 154.5/82



Right In: 0.028+/-0.005 χ^2/NDF: 15.0/16

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.020+/-0.005 χ^2/NDF: 22295.8/18

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

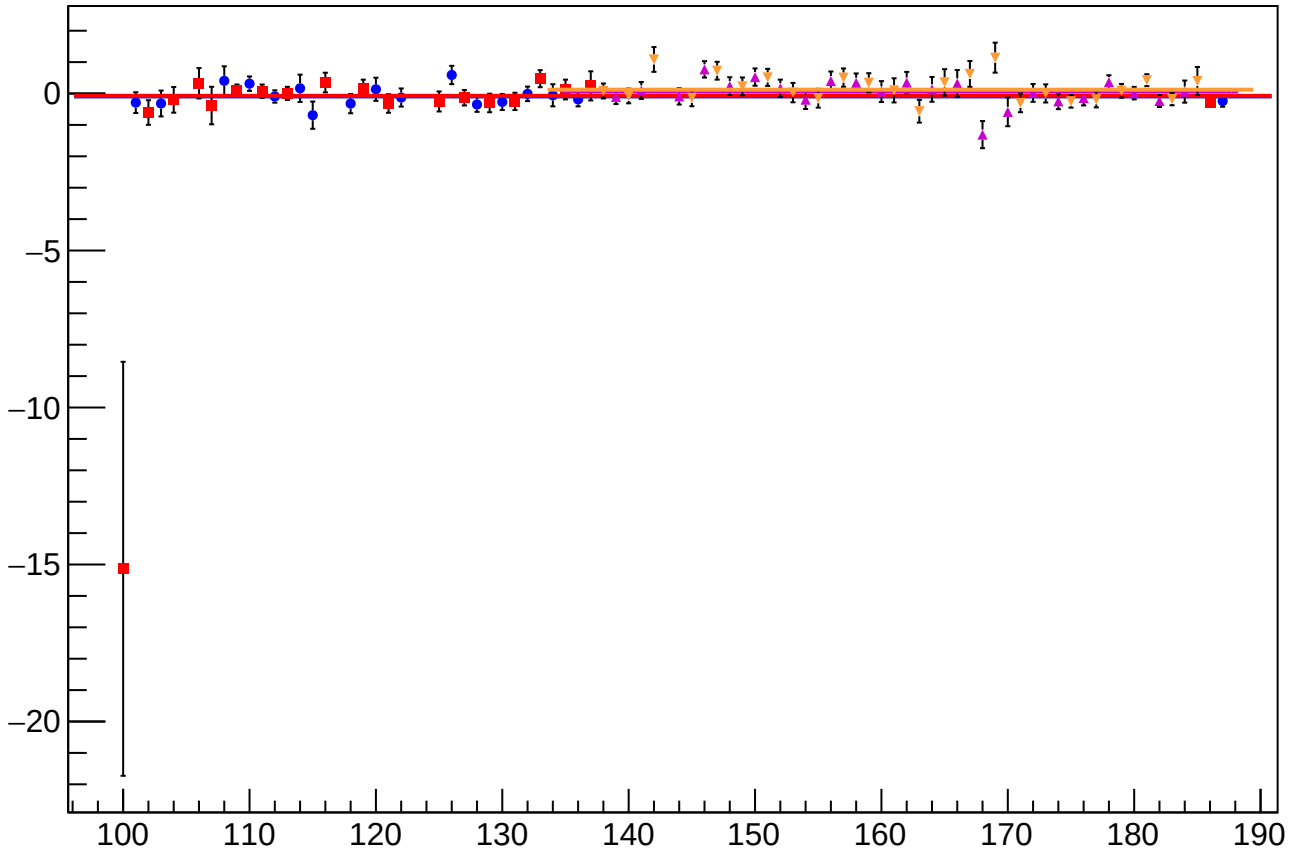
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.024+/-0.003 χ^2/NDF: 22312.2/35

In: 0.027+/-0.002 χ^2/NDF:54.5/39

Out: 0.025+/-0.002 χ^2/NDF:22328.8/42

All: 0.026+/-0.001 χ^2/NDF: 22383.6/82



Right In: -0.093+/-0.066 χ^2/NDF: 16.3/16

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.074+/-0.061 χ^2/NDF: 22.1/18

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

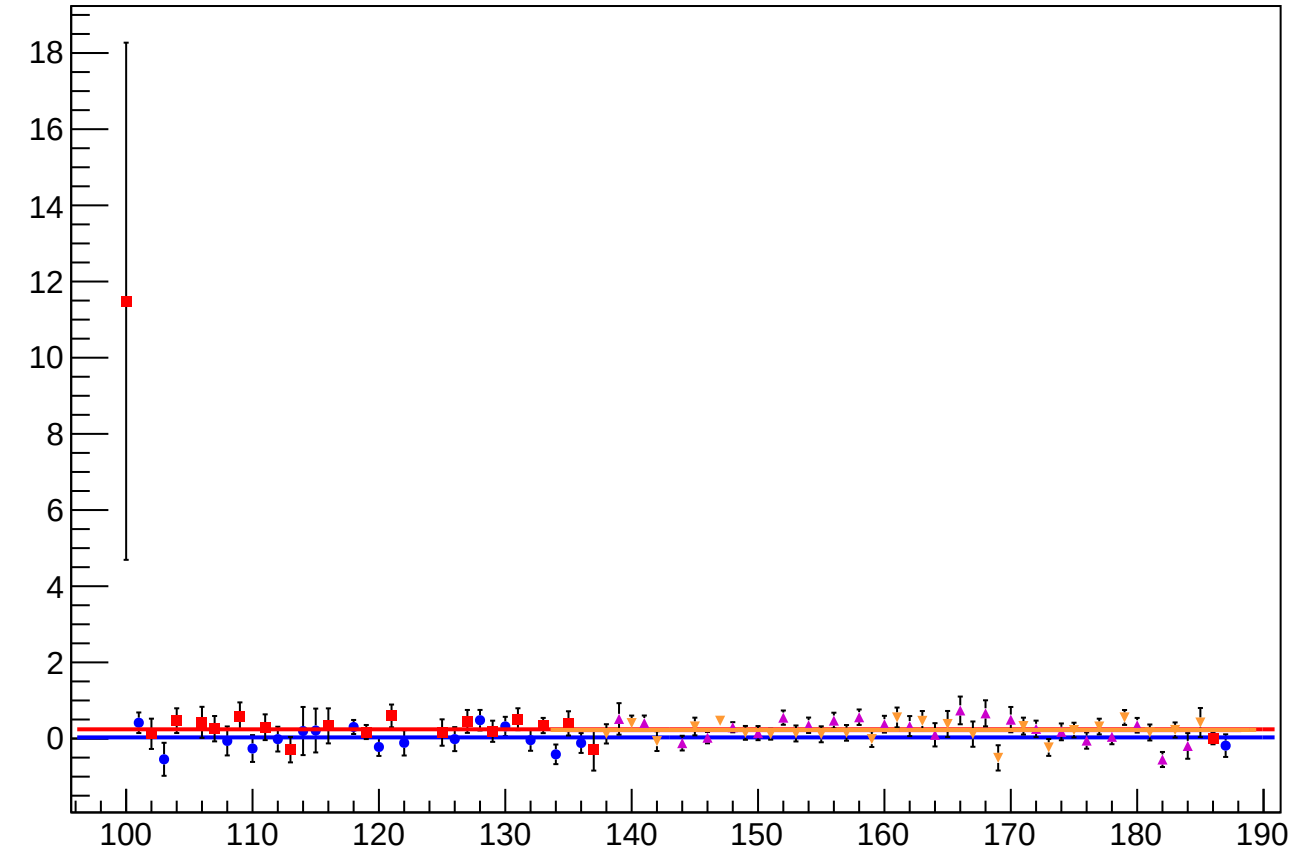
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.083+/-0.045 χ^2/NDF: 38.5/35

In: -0.004+/-0.043 χ^2/NDF:53.7/39

Out: 0.031+/-0.042 χ^2/NDF:67.3/42

All: 0.014+/-0.030 χ^2/NDF: 121.3/82



Right In: 0.030+/-0.071 χ^2/NDF: 16.3/16

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.243+/-0.067 χ^2/NDF: 13.9/18

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

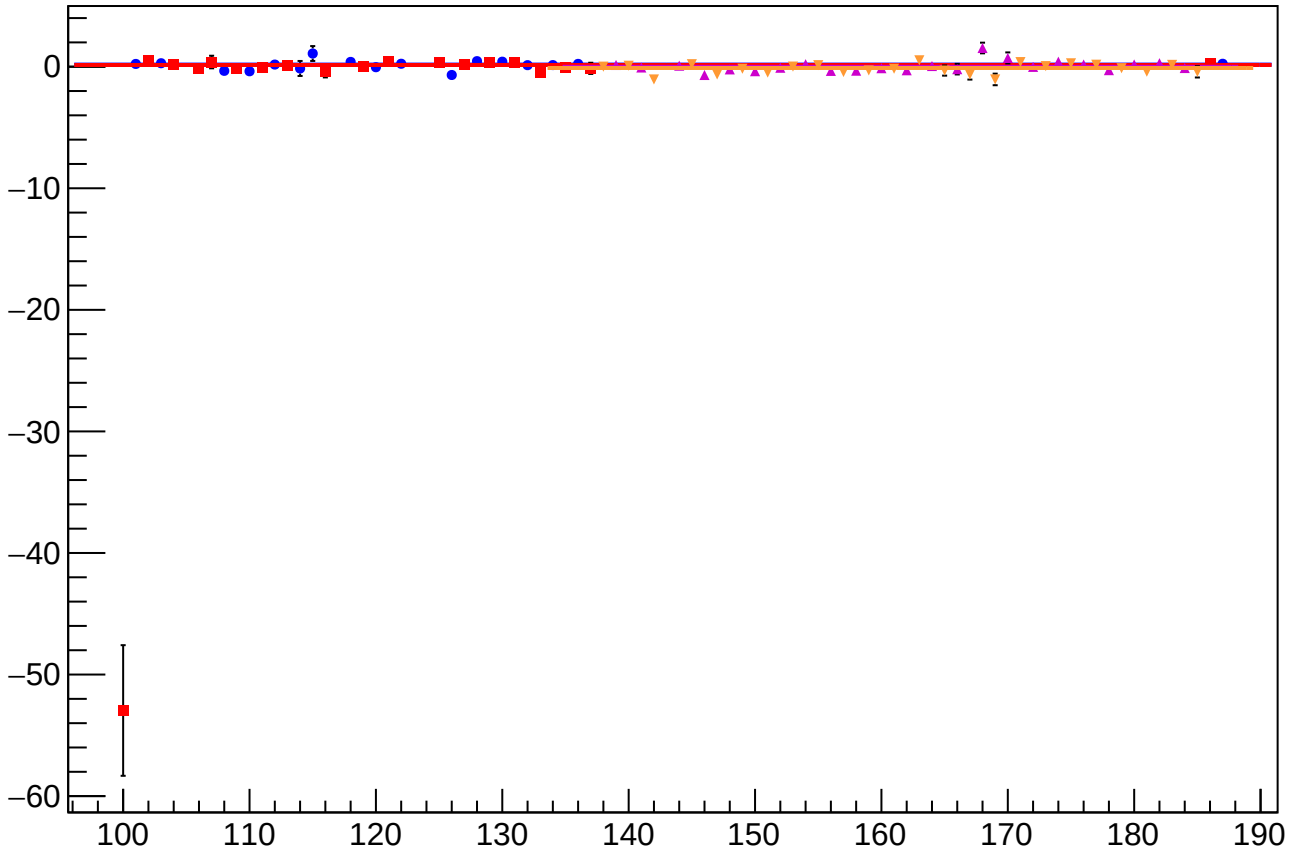
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: 0.143+/-0.049 χ^2/NDF: 34.9/35

In: 0.168+/-0.038 χ^2/NDF:60.8/39

Out: 0.230+/-0.036 χ^2/NDF:38.0/42

All: 0.200+/-0.026 χ^2/NDF: 100.3/82



Right In: 0.173+/-0.070 χ^2/NDF: 15.9/16

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.142+/-0.063 χ^2/NDF: 111.6/18

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

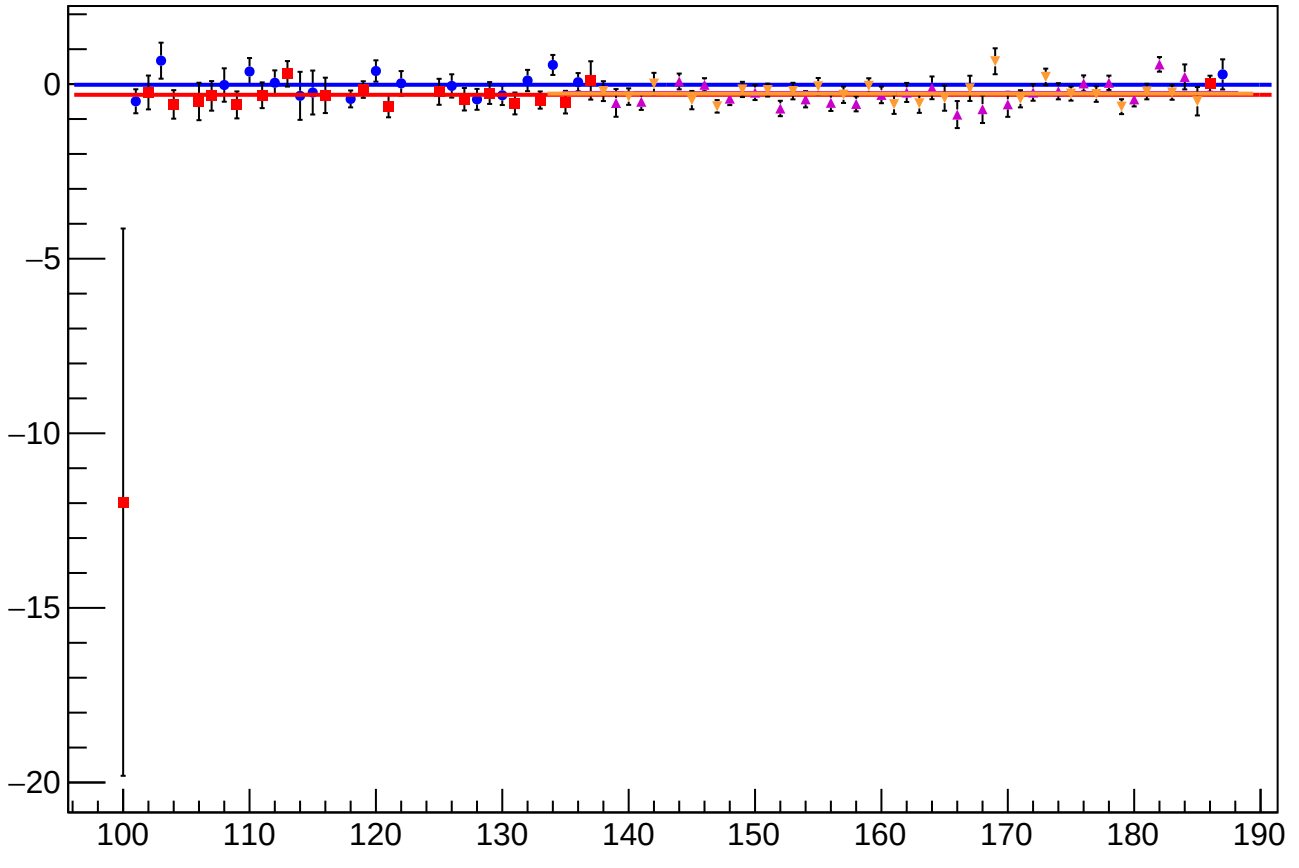
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.156+/-0.047 χ^2/NDF: 127.6/35

In: 0.063+/-0.044 χ^2/NDF:57.9/39

Out: 0.004+/-0.042 χ^2/NDF:157.7/42

All: 0.032+/-0.030 χ^2/NDF: 216.5/82



Right In: -0.019+/-0.082 χ^2/NDF: 17.3/16

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.306+/-0.080 χ^2/NDF: 11.7/18

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

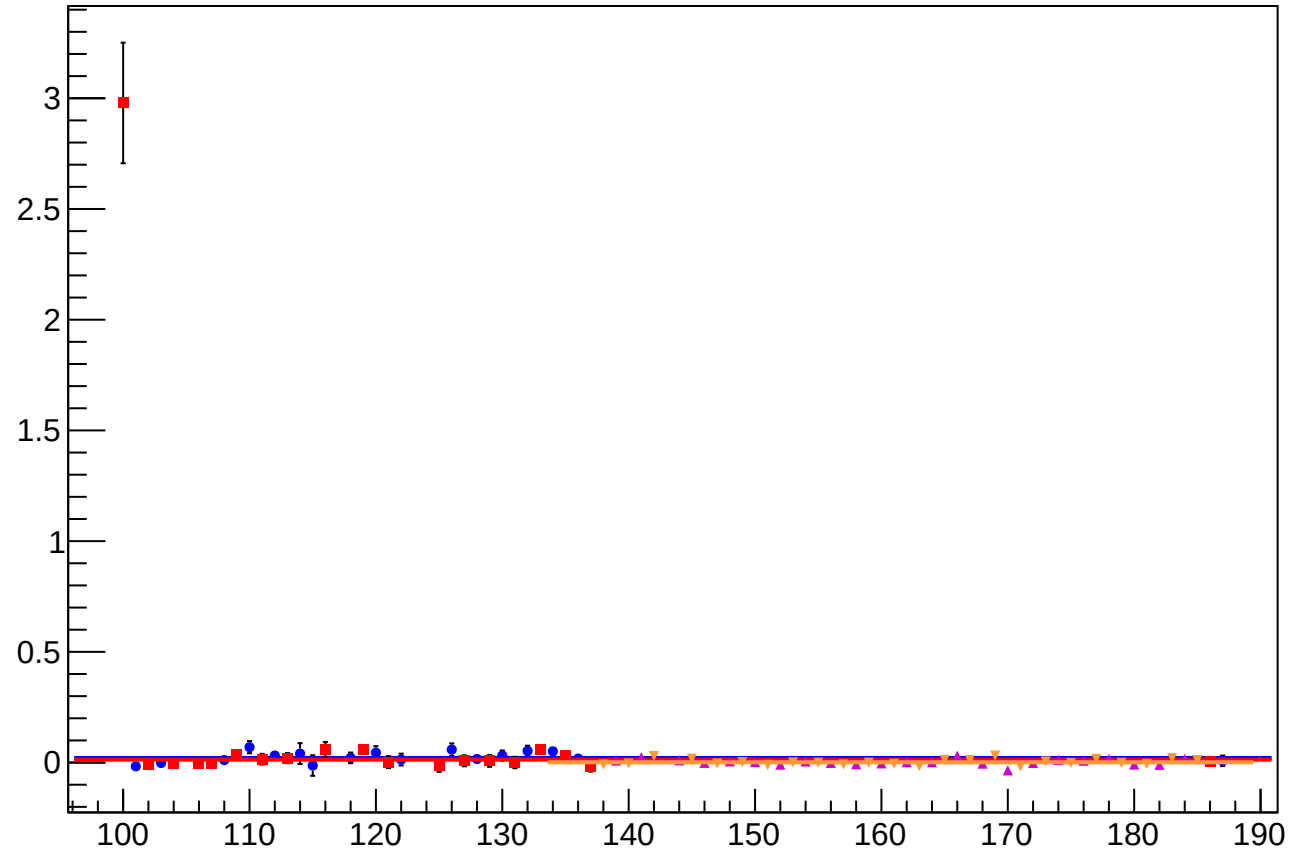
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.167+/-0.057 χ^2/NDF: 35.2/35

In: -0.190+/-0.043 χ^2/NDF:63.8/39

Out: -0.282+/-0.042 χ^2/NDF:36.6/42

All: -0.237+/-0.030 χ^2/NDF: 102.7/82



Right In: 0.021+/-0.005 χ^2/NDF: 22.8/16

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.013+/-0.005 χ^2/NDF: 141.3/18

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

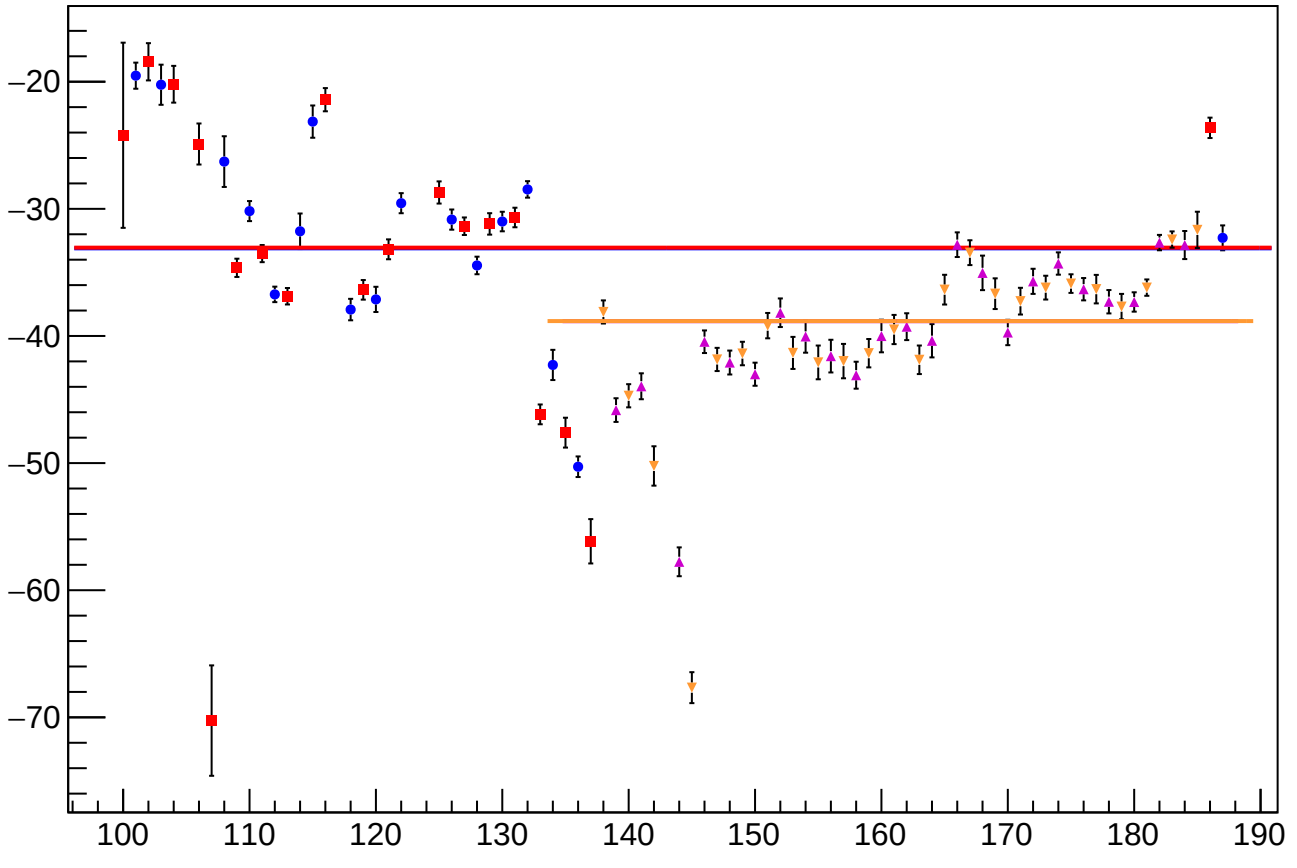
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.017+/-0.003 χ^2/NDF: 165.3/35

In: 0.006+/-0.002 χ^2/NDF:59.9/39

Out: 0.003+/-0.002 χ^2/NDF:173.3/42

All: 0.005+/-0.001 χ^2/NDF: 233.9/82



Right In: -33.107+/-0.213 χ^2/NDF: 1014.7/16

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -33.053+/-0.208 χ^2/NDF: 1296.6/18

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

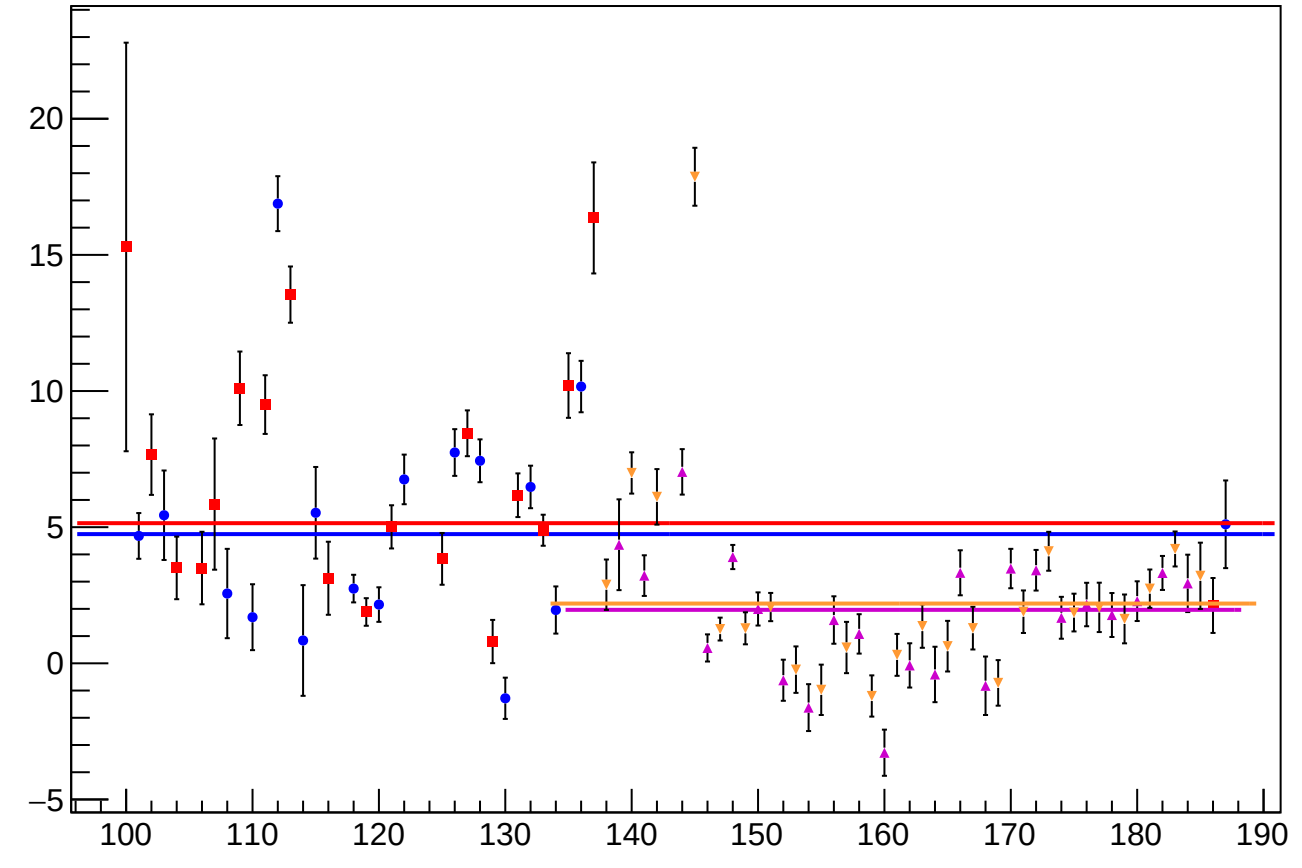
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -33.080+/-0.149 χ^2/NDF: 2311.3/35

In: -36.101+/-0.147 χ^2/NDF:2047.0/39

Out: -36.018+/-0.145 χ^2/NDF:2611.2/42

All: -36.059+/-0.103 χ^2/NDF: 4658.4/82



Right In: 4.745+/-0.217 χ^2/NDF: 329.6/16

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.147+/-0.218 χ^2/NDF: 254.4/18

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

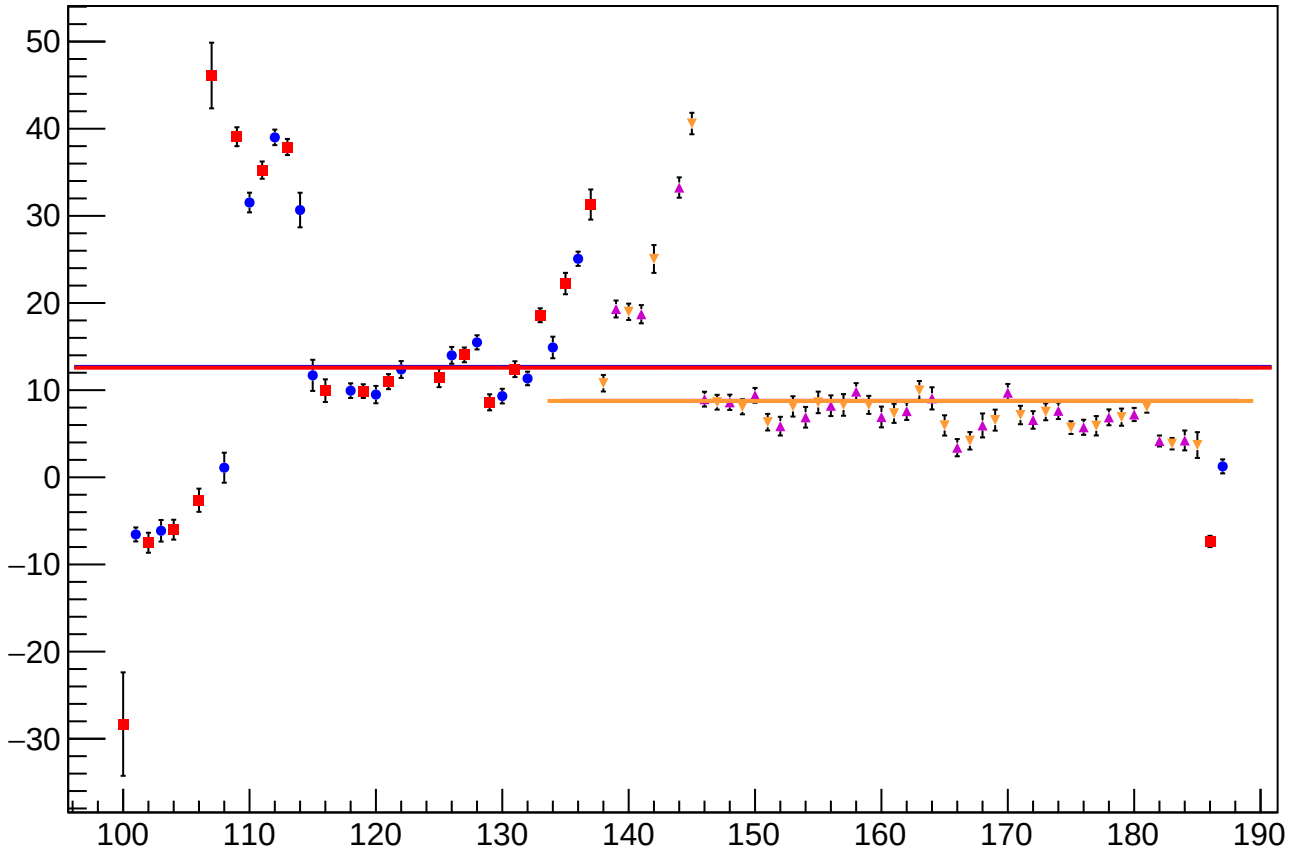
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.945+/-0.154 χ^2/NDF: 585.8/35

In: 2.900+/-0.126 χ^2/NDF:611.6/39

Out: 3.162+/-0.125 χ^2/NDF:742.8/42

All: 3.032+/-0.089 χ^2/NDF: 1356.6/82



Right In: 12.667+/-0.236 χ^2/NDF: 2569.5/16

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 12.580+/-0.233 χ^2/NDF: 3934.8/18

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

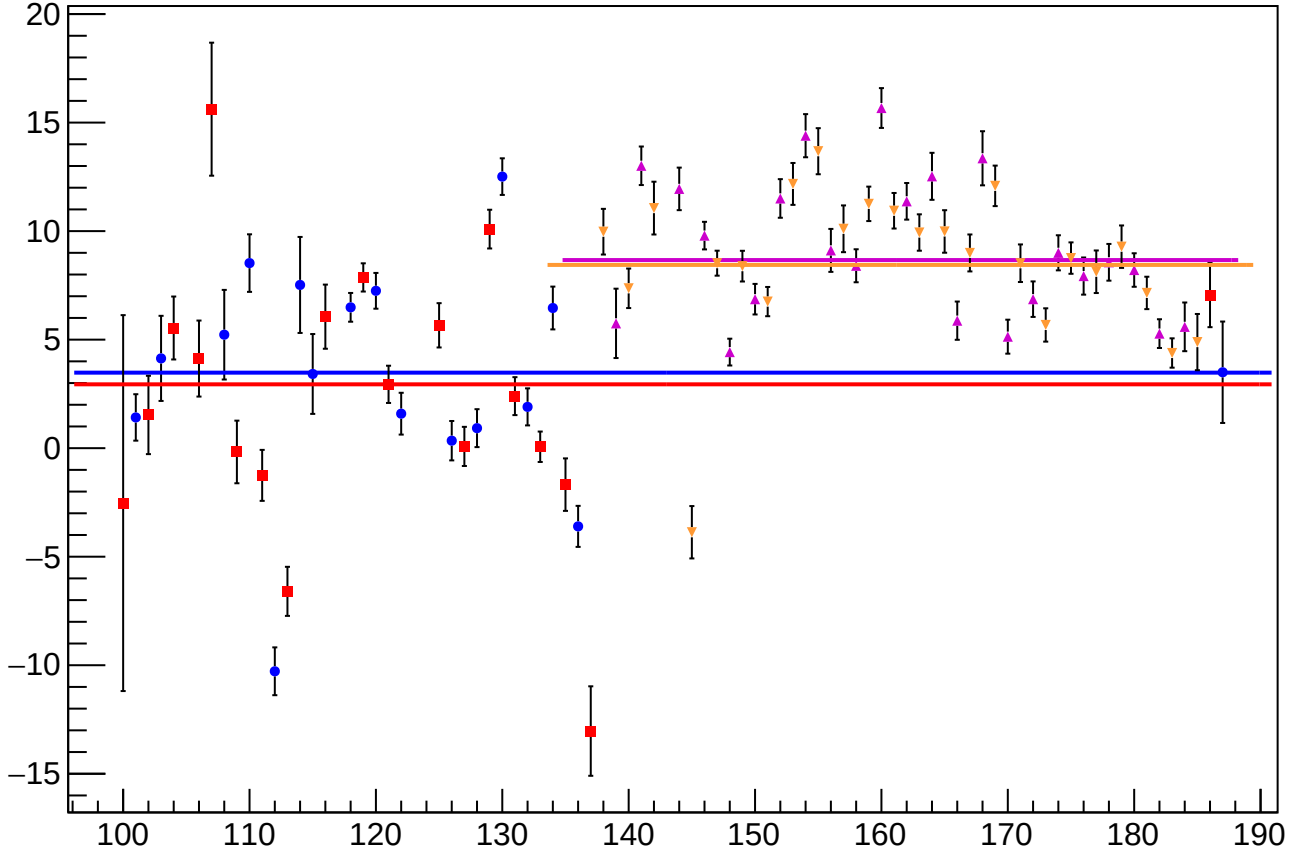
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 12.623+/-0.166 χ^2/NDF: 6504.3/35

In: 10.415+/-0.153 χ^2/NDF:3522.1/39

Out: 10.388+/-0.152 χ^2/NDF:5124.1/42

All: 10.402+/-0.108 χ^2/NDF: 8646.2/82



Right In: 3.479+/-0.252 χ^2/NDF: 427.6/16

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 2.941+/-0.253 χ^2/NDF: 353.2/18

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

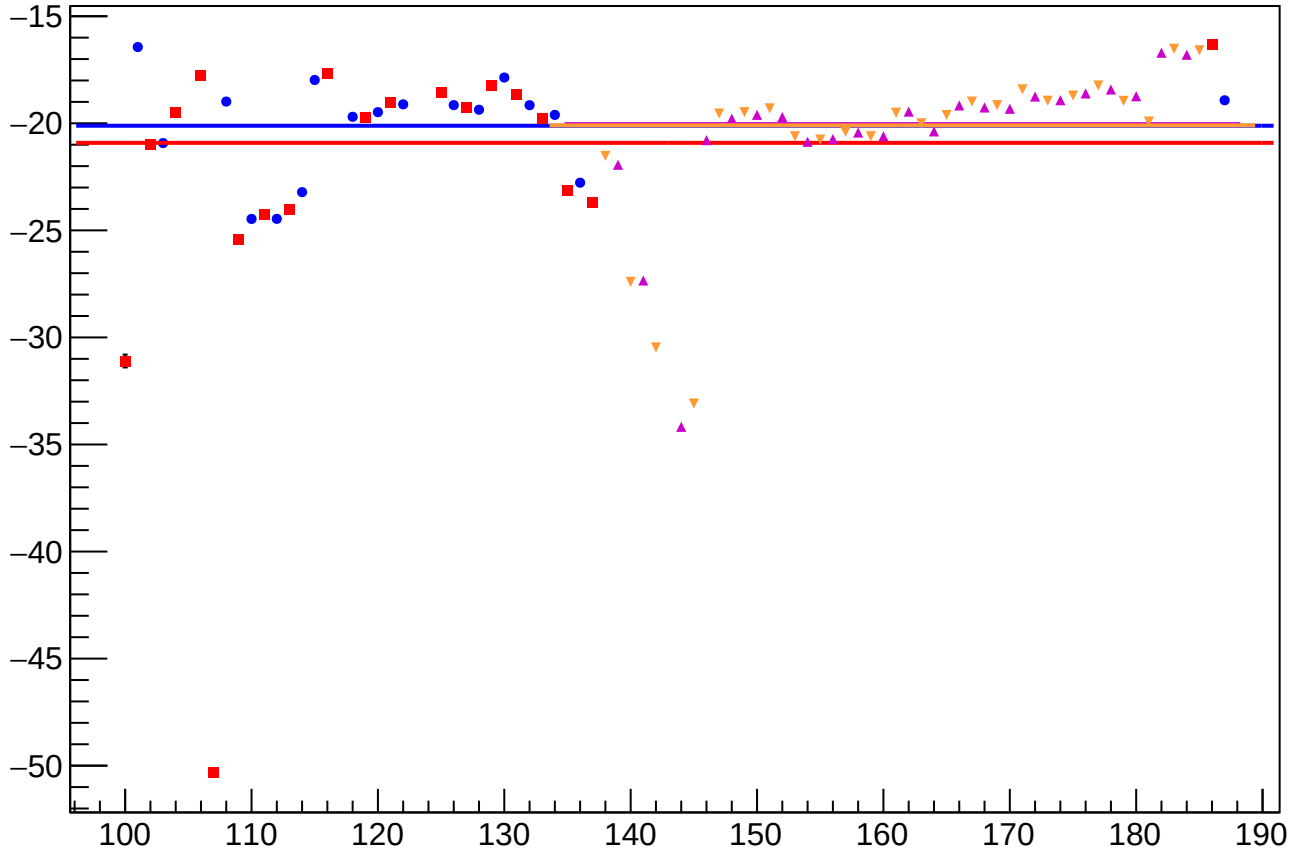
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.212+/-0.179 χ^2/NDF: 783.1/35

In: 6.972+/-0.144 χ^2/NDF:1017.3/39

Out: 6.686+/-0.143 χ^2/NDF:938.2/42

All: 6.828+/-0.102 χ^2/NDF: 1957.4/82



Right In: -20.114+/-0.016 χ^2/NDF: 19920.3/16

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.913+/-0.016 χ^2/NDF: 59561.0/18

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

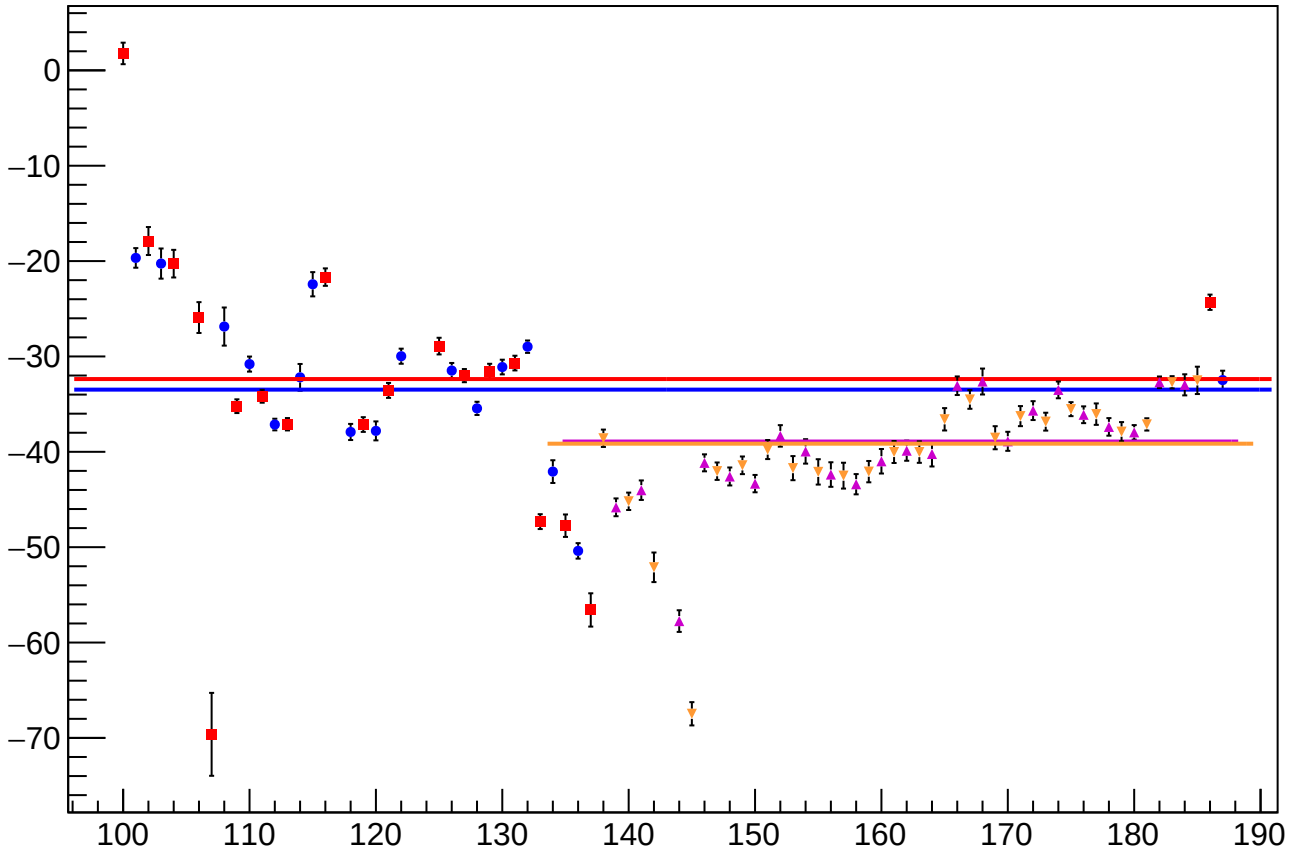
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.505+/-0.011 χ^2/NDF: 80717.4/35

In: -20.053+/-0.007 χ^2/NDF:152230.5/39

Out: -20.253+/-0.007 χ^2/NDF:220897.5/42

All: -20.152+/-0.005 χ^2/NDF: 373526.5/82



Right In: -33.479+/-0.213 χ^2/NDF: 1009.8/16

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -32.370+/-0.205 χ^2/NDF: 2277.8/18

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

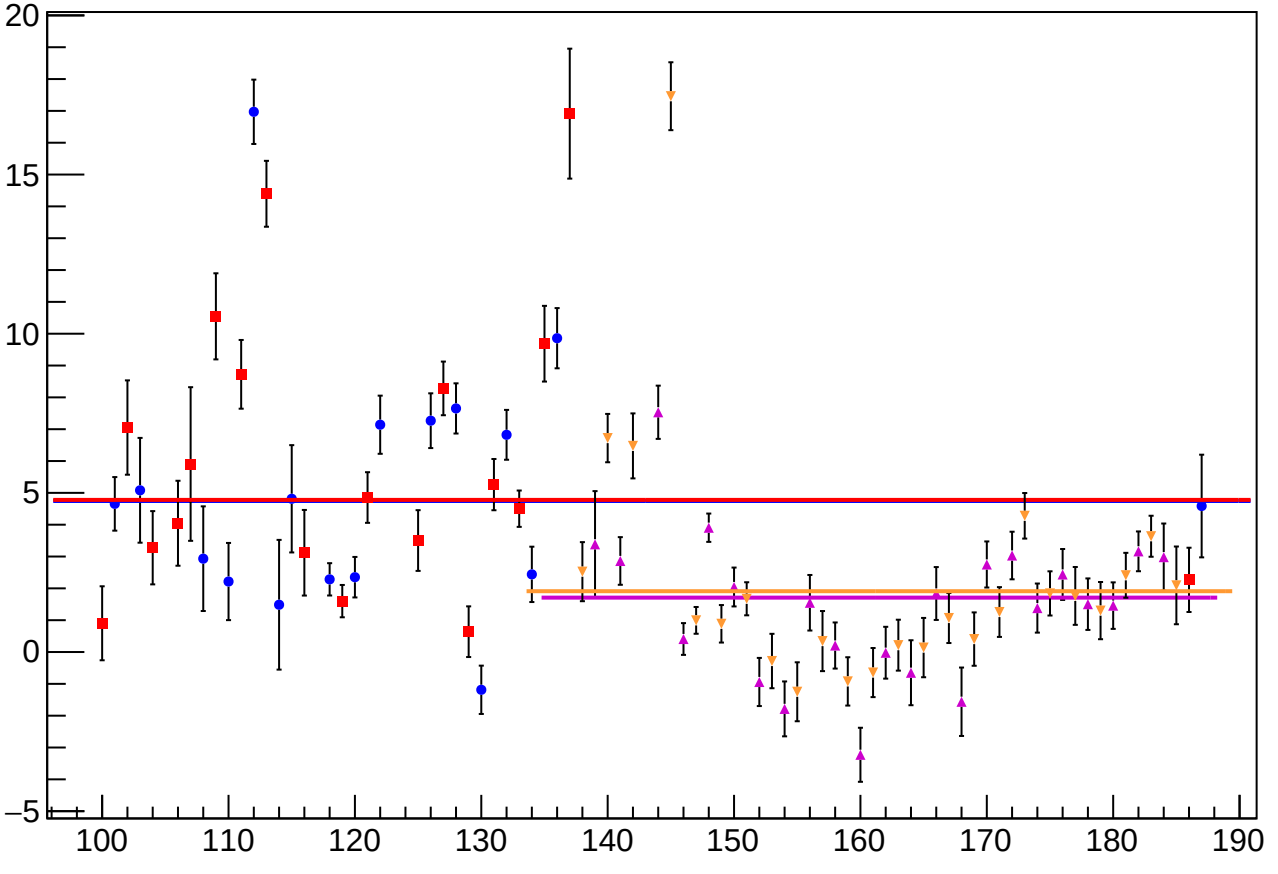
Right: -32.902+/-0.148 χ^2/NDF: 3301.6/35

In: -36.323+/-0.147 χ^2/NDF:2034.7/39

Out: -35.795+/-0.144 χ^2/NDF:3731.0/42

All: -36.053+/-0.103 χ^2/NDF: 5772.3/82

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.745+/-0.218 χ^2/NDF: 325.7/16

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.779+/-0.215 χ^2/NDF: 279.5/18

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

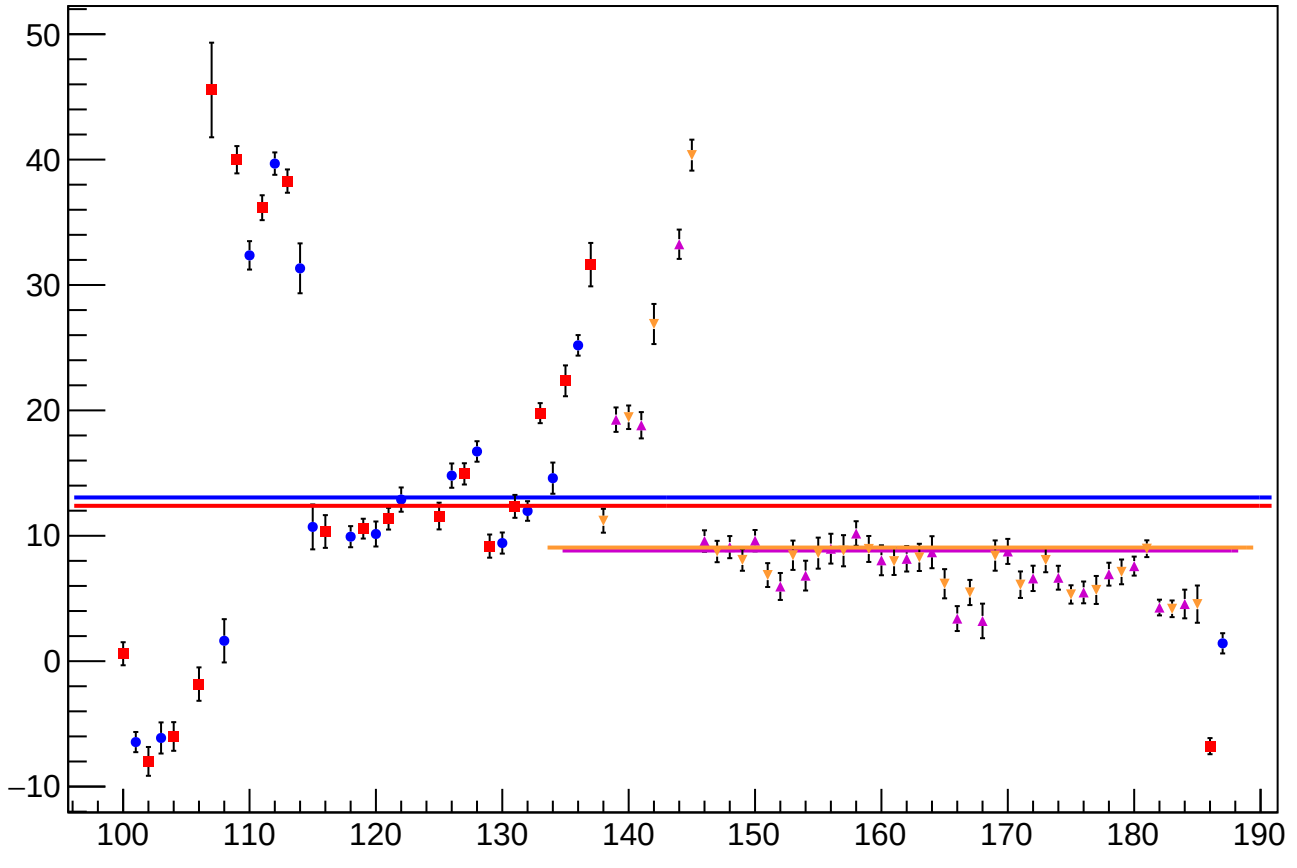
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.762+/-0.153 χ^2/NDF: 605.3/35

In: 2.731+/-0.126 χ^2/NDF:637.5/39

Out: 2.871+/-0.124 χ^2/NDF:757.4/42

All: 2.802+/-0.089 χ^2/NDF: 1395.5/82



Right In: 13.057+/-0.236 χ^2/NDF: 2629.7/16

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 12.389+/-0.226 χ^2/NDF: 4116.2/18

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

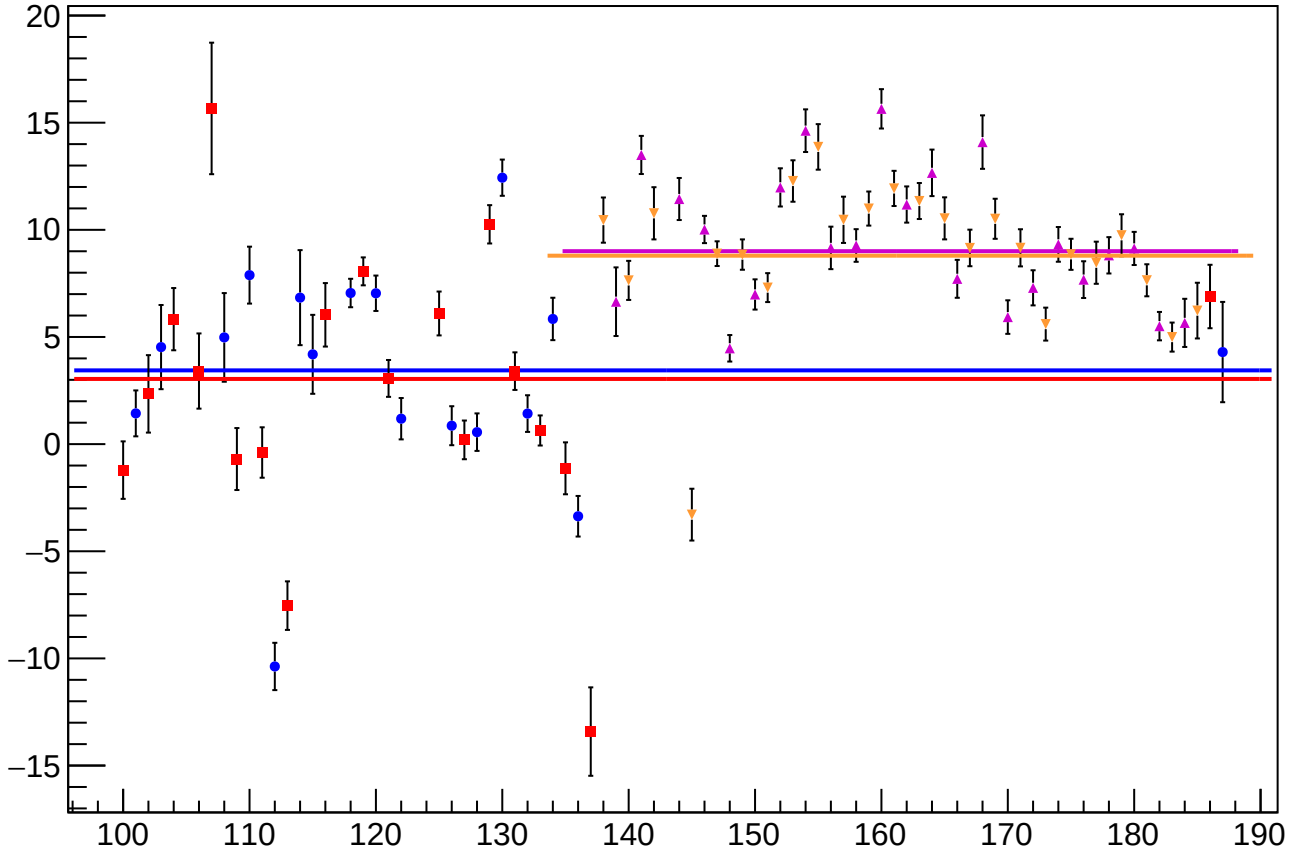
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 12.709+/-0.164 χ^2/NDF: 6750.1/35

In: 10.610+/-0.153 χ^2/NDF:3616.4/39

Out: 10.527+/-0.150 χ^2/NDF:5270.5/42

All: 10.567+/-0.107 χ^2/NDF: 8887.1/82



Right In: 3.442+/-0.253 χ^2/NDF: 424.1/16

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.042+/-0.250 χ^2/NDF: 374.7/18

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

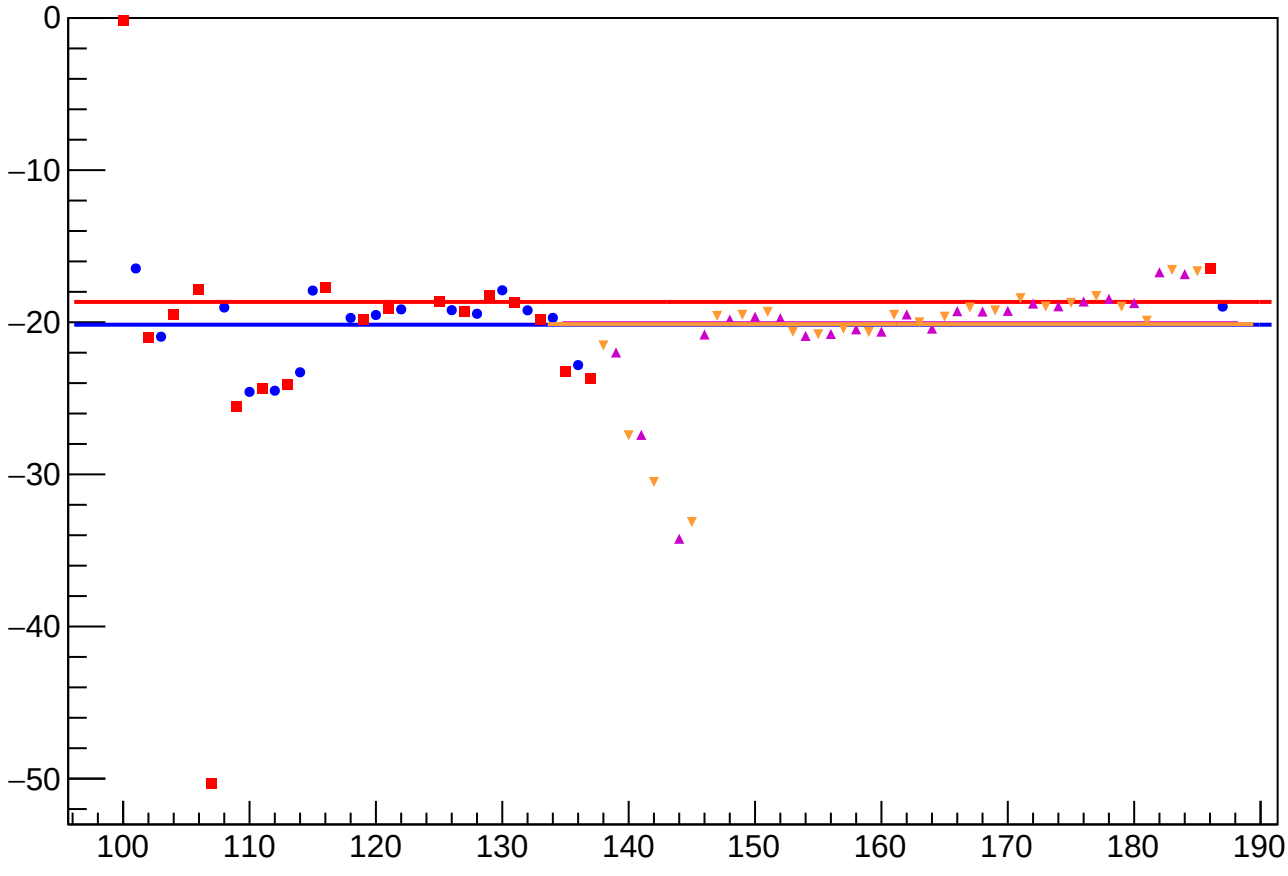
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.239+/-0.178 χ^2/NDF: 800.1/35

In: 7.188+/-0.144 χ^2/NDF:1039.9/39

Out: 6.915+/-0.143 χ^2/NDF:976.1/42

All: 7.049+/-0.102 χ^2/NDF: 2017.8/82



Right In: -20.161+/-0.016 χ^2/NDF: 19946.1/16

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.663+/-0.015 χ^2/NDF: 235145.1/18

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

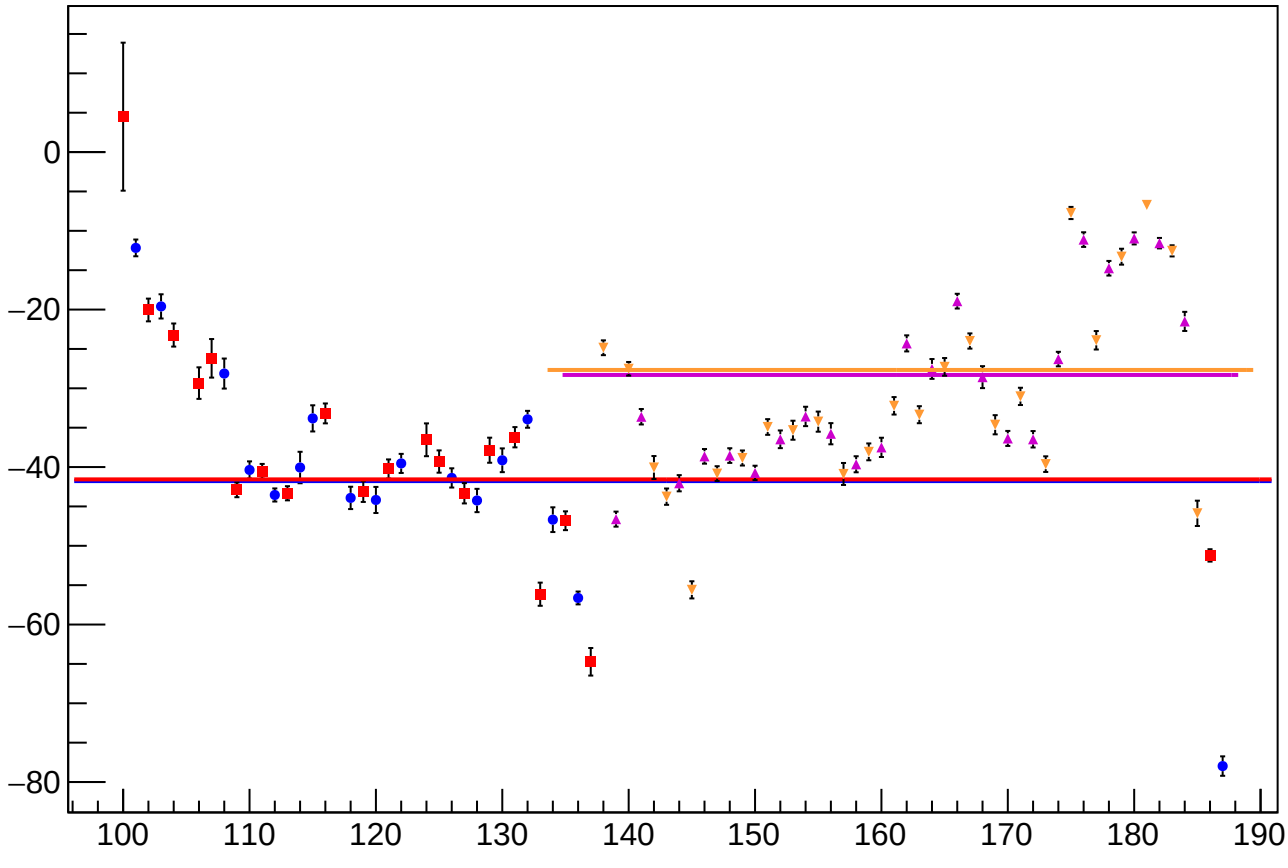
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.387+/-0.011 χ^2/NDF: 259667.8/35

In: -20.082+/-0.007 χ^2/NDF:152666.7/39

Out: -19.817+/-0.007 χ^2/NDF:400834.1/42

All: -19.949+/-0.005 χ^2/NDF: 554208.5/82



Right In: -41.783+/-0.301 χ^2/NDF: 2330.4/16

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -41.565+/-0.286 χ^2/NDF: 1009.0/19

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

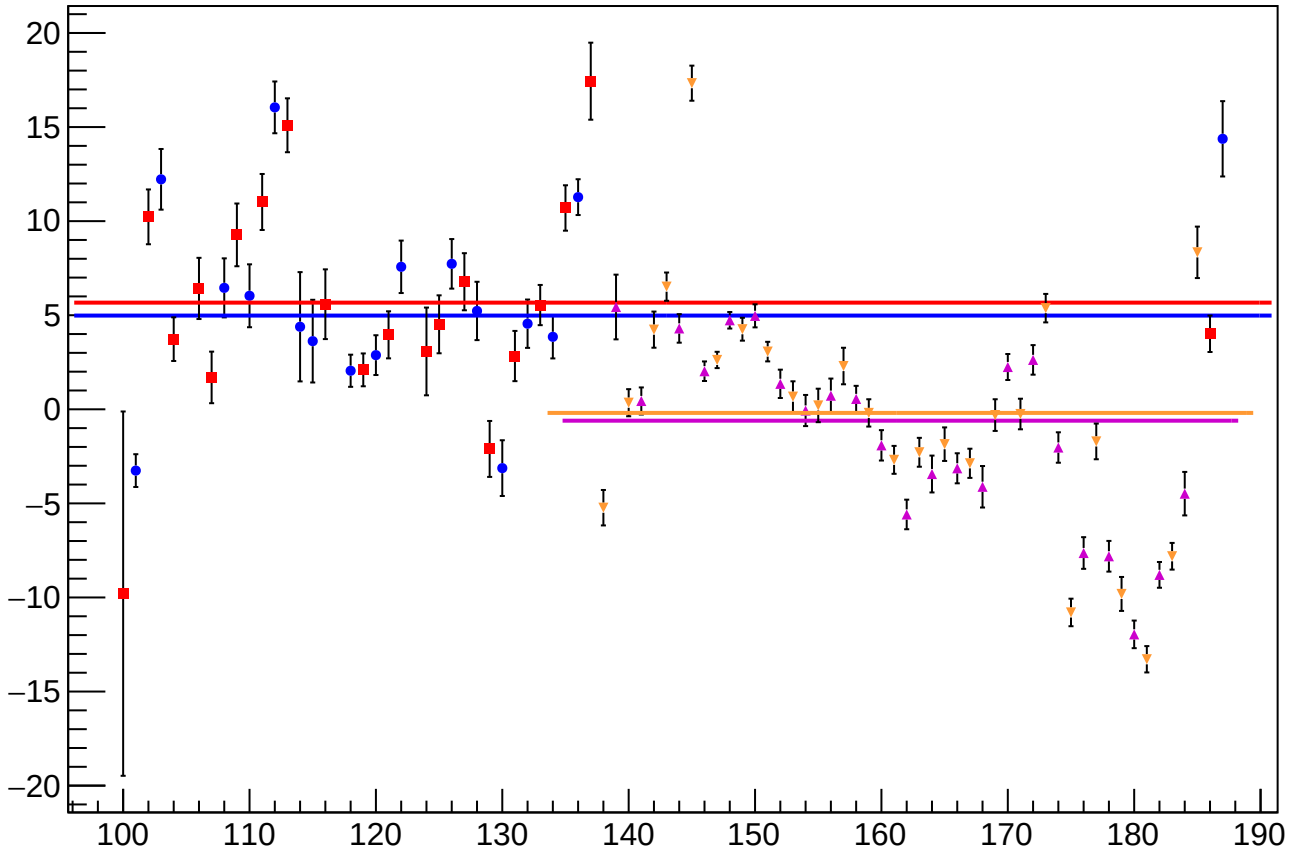
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -41.668+/-0.207 χ^2/NDF: 3339.7/36

In: -32.591+/-0.170 χ^2/NDF:6969.2/39

Out: -32.246+/-0.164 χ^2/NDF:6989.0/44

All: -32.412+/-0.118 χ^2/NDF: 13960.4/84



Right In: 4.981+/-0.312 χ^2/NDF: 296.4/16

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.669+/-0.307 χ^2/NDF: 190.9/19

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

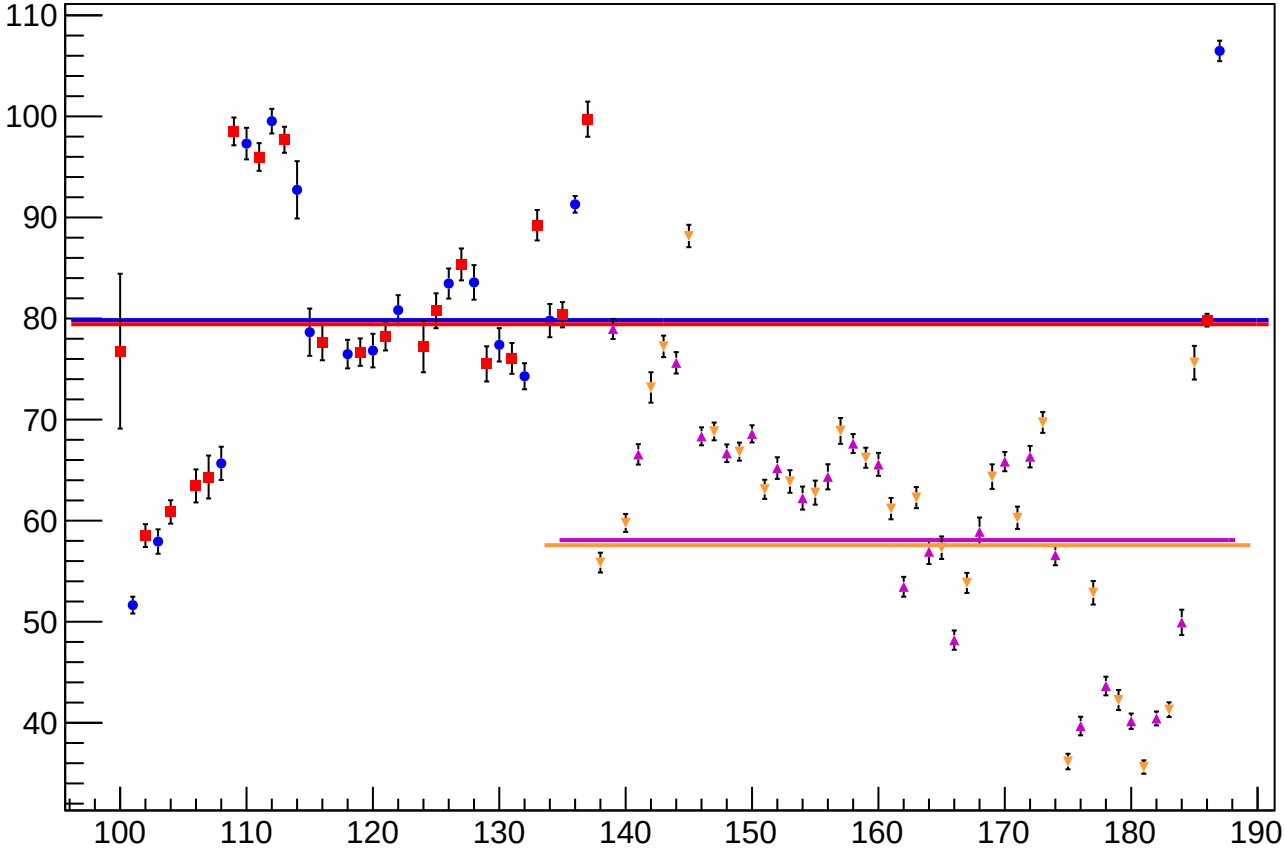
Right: 5.331+/-0.219 χ^2/NDF: 489.7/36

In: 0.502+/-0.139 χ^2/NDF:1527.9/39

Out: 0.938+/-0.135 χ^2/NDF:2030.1/44

All: 0.727+/-0.097 χ^2/NDF: 3563.0/84

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 79.848+/-0.320 χ^2/NDF: 2881.8/16

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 79.434+/-0.304 χ^2/NDF: 1496.9/19

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

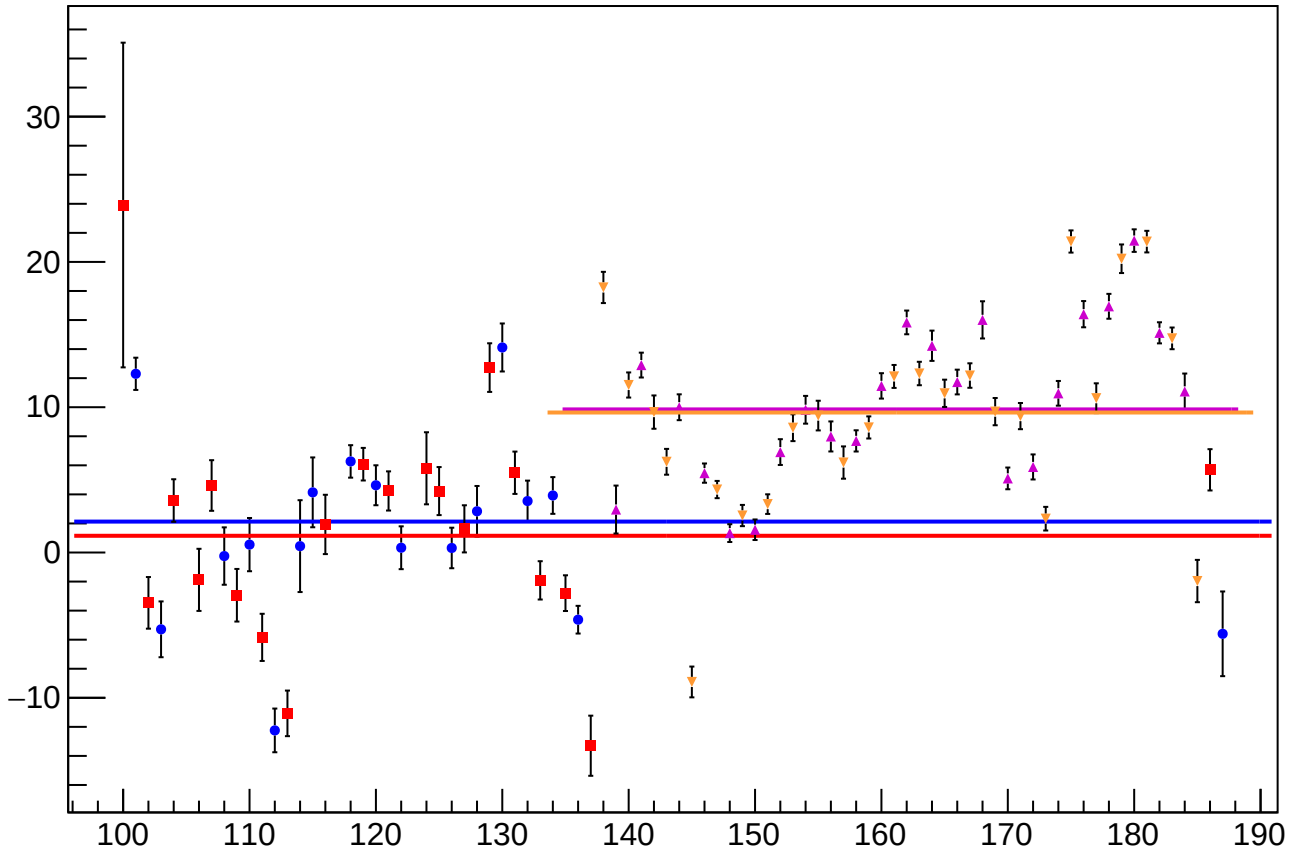
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 79.631+/-0.220 χ^2/NDF: 4379.6/36

In: 64.355+/-0.172 χ^2/NDF:9740.3/39

Out: 64.121+/-0.167 χ^2/NDF:9798.2/44

All: 64.235+/-0.120 χ^2/NDF: 19539.4/84



Right In: 2.128+/-0.360 χ^2/NDF: 326.7/16

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.151+/-0.360 χ^2/NDF: 267.1/19

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

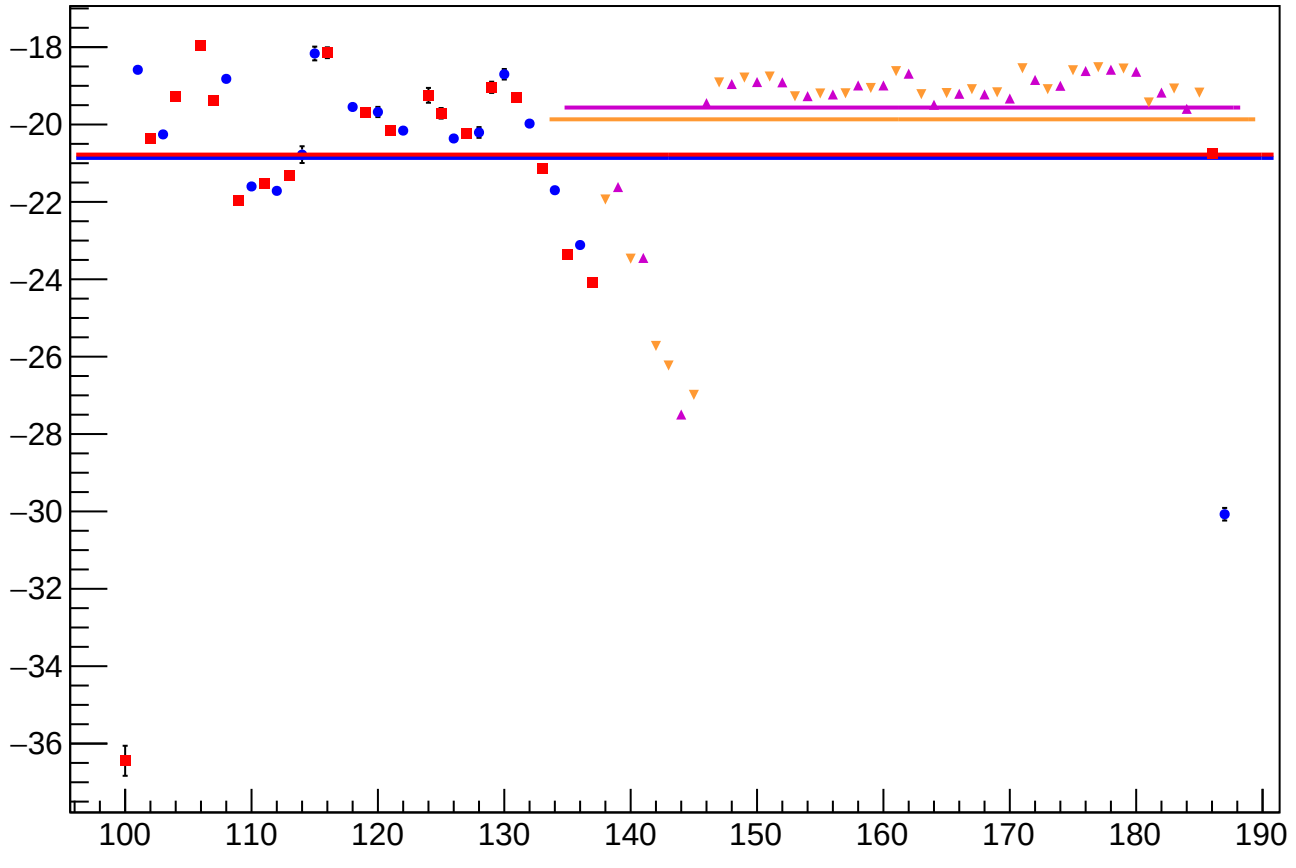
Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

Right: 1.639+/-0.255 χ^2/NDF: 597.5/36

In: 8.357+/-0.158 χ^2/NDF:1690.3/39

Out: 8.068+/-0.155 χ^2/NDF:2211.6/44

All: 8.209+/-0.111 χ^2/NDF: 3903.6/84



Right In: -20.863+/-0.019 χ^2/NDF: 10864.6/16

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.777+/-0.020 χ^2/NDF: 9426.7/19

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

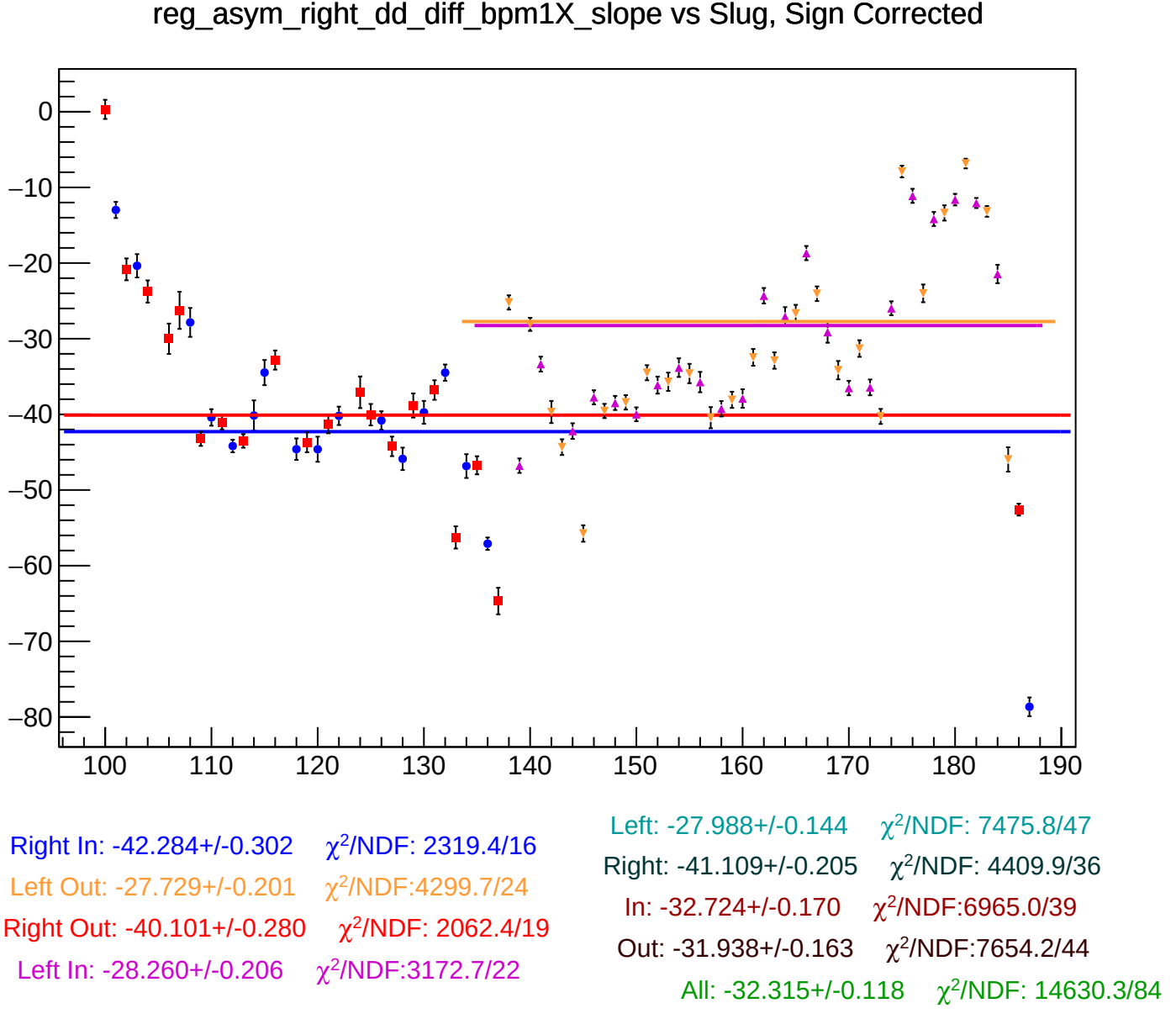
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

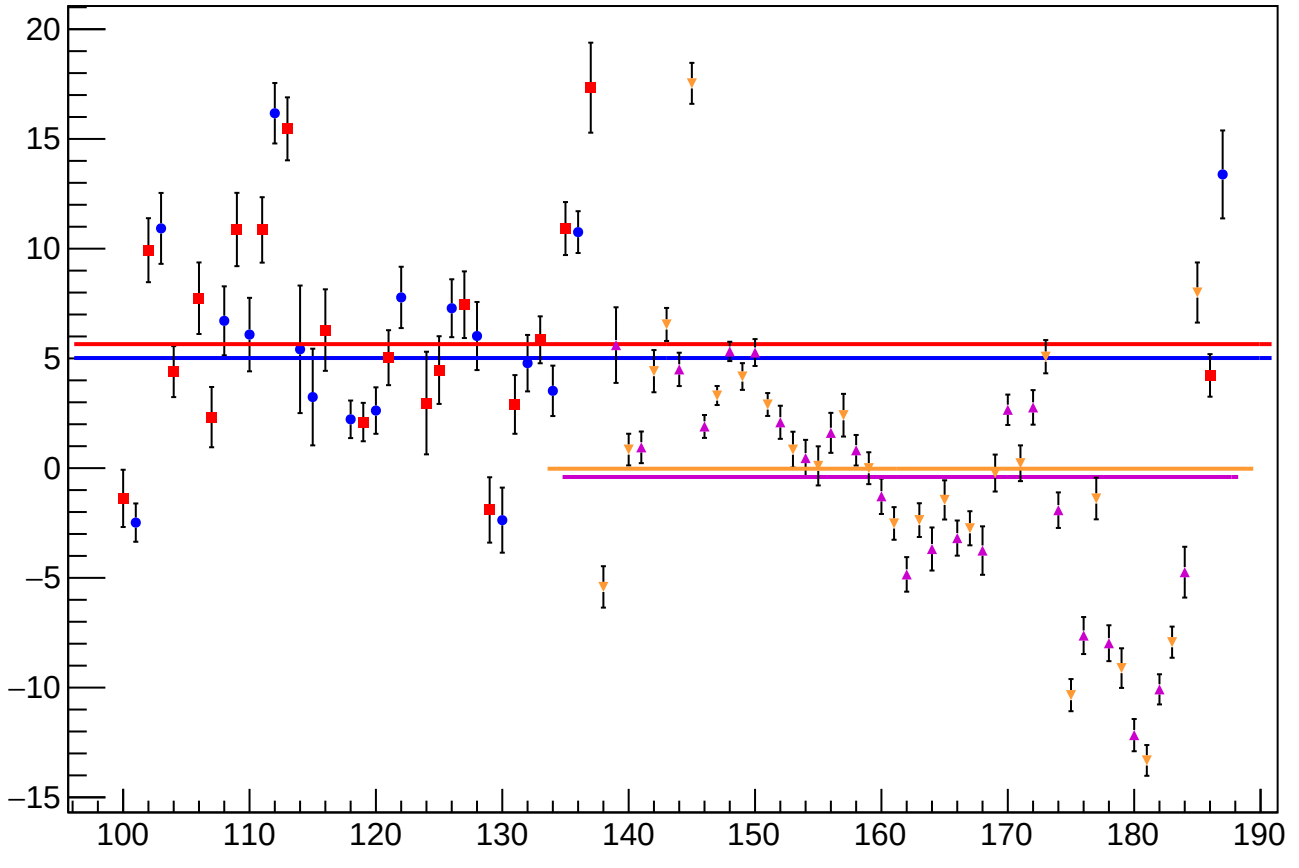
Right: -20.821+/-0.014 χ^2/NDF: 20300.9/36

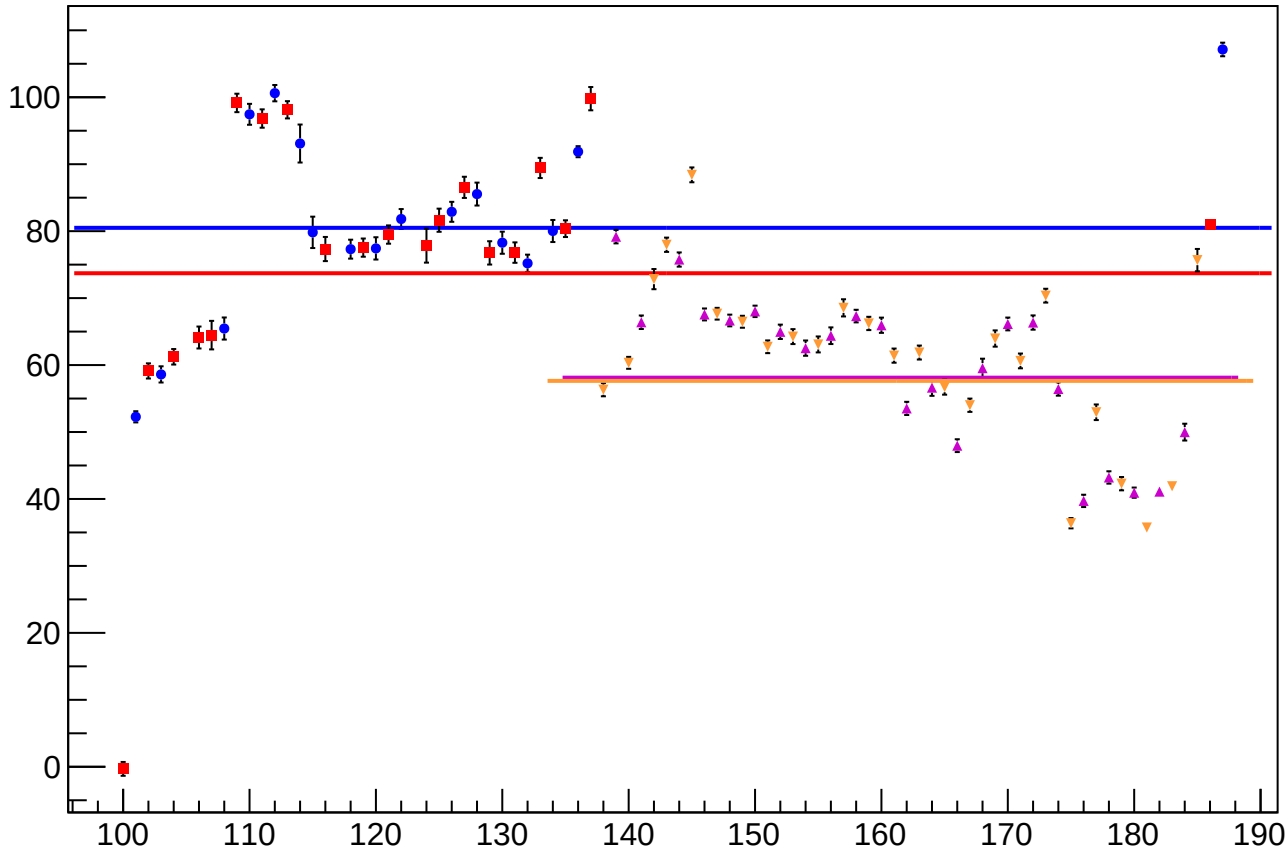
In: -19.751+/-0.007 χ^2/NDF:59928.1/39

Out: -19.990+/-0.007 χ^2/NDF:90150.8/44

All: -19.871+/-0.005 χ^2/NDF: 150611.8/84


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
−80
100
110
120
130
140
150
160
170
180
190
Right In: -42.284+/-0.302 χ²/NDF: 2319.4/16
Left Out: -27.729+/-0.201 χ²/NDF:4299.7/24
Right Out: -40.101+/-0.280 χ²/NDF: 2062.4/19
Left In: -28.260+/-0.206 χ²/NDF:3172.7/22
Left: -27.988+/-0.144 χ²/NDF: 7475.8/47
Right: -41.109+/-0.205 χ²/NDF: 4409.9/36
In: -32.724+/-0.170 χ²/NDF:6965.0/39
Out: -31.938+/-0.163 χ²/NDF:7654.2/44
All: -32.315+/-0.118 χ²/NDF: 14630.3/84


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
190
Right In: 5.017+/-0.313 χ²/NDF: 258.4/16
Left Out: -0.026+/-0.150 χ²/NDF:1531.8/24
Right Out: 5.651+/-0.300 χ²/NDF: 218.8/19
Left In: -0.404+/-0.155 χ²/NDF:1084.1/22
Left: -0.208+/-0.108 χ²/NDF: 2618.9/47
Right: 5.347+/-0.216 χ²/NDF: 479.3/36
In: 0.671+/-0.139 χ²/NDF:1583.7/39
Out: 1.116+/-0.134 χ²/NDF:2037.4/44
All: 0.901+/-0.097 χ²/NDF: 3626.3/84



Right In: 80.498+/-0.320 χ^2/NDF: 2883.4/16

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 73.714+/-0.292 χ^2/NDF: 7075.4/19

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

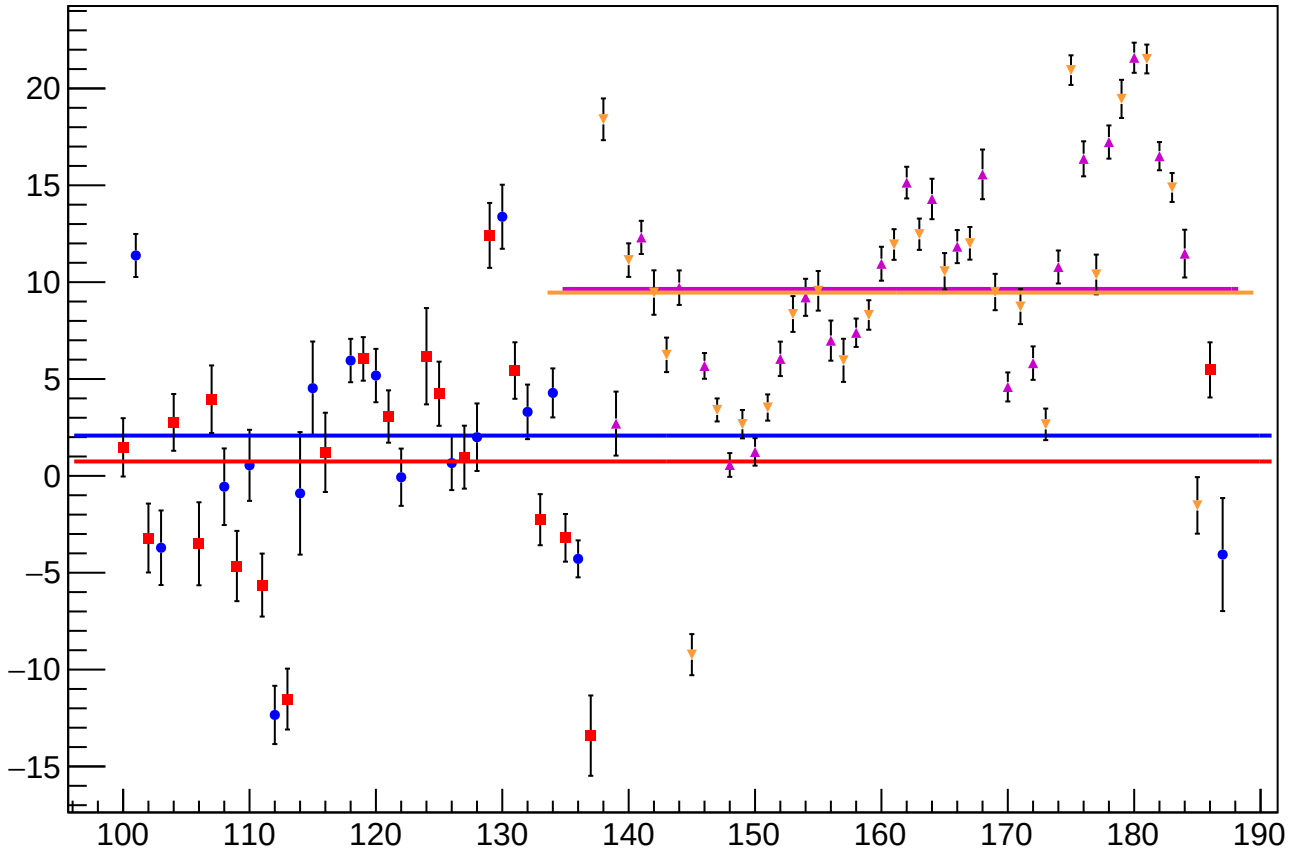
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 76.800+/-0.216 χ^2/NDF: 10203.5/36

In: 64.573+/-0.172 χ^2/NDF:9804.3/39

Out: 62.734+/-0.165 χ^2/NDF:13751.4/44

All: 63.614+/-0.119 χ^2/NDF: 23615.3/84



Right In: 2.079+/-0.361 χ^2/NDF: 294.8/16

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.743+/-0.351 χ^2/NDF: 265.9/19

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

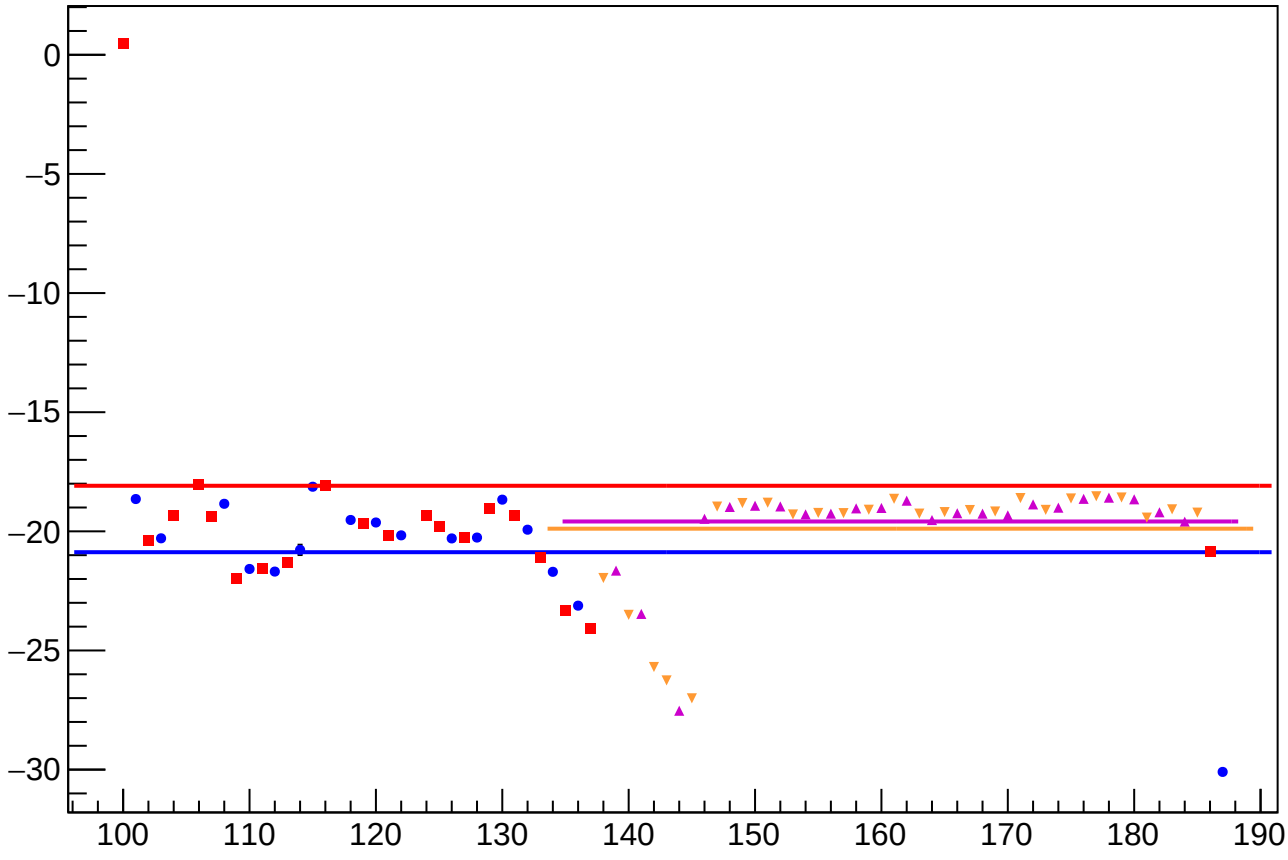
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

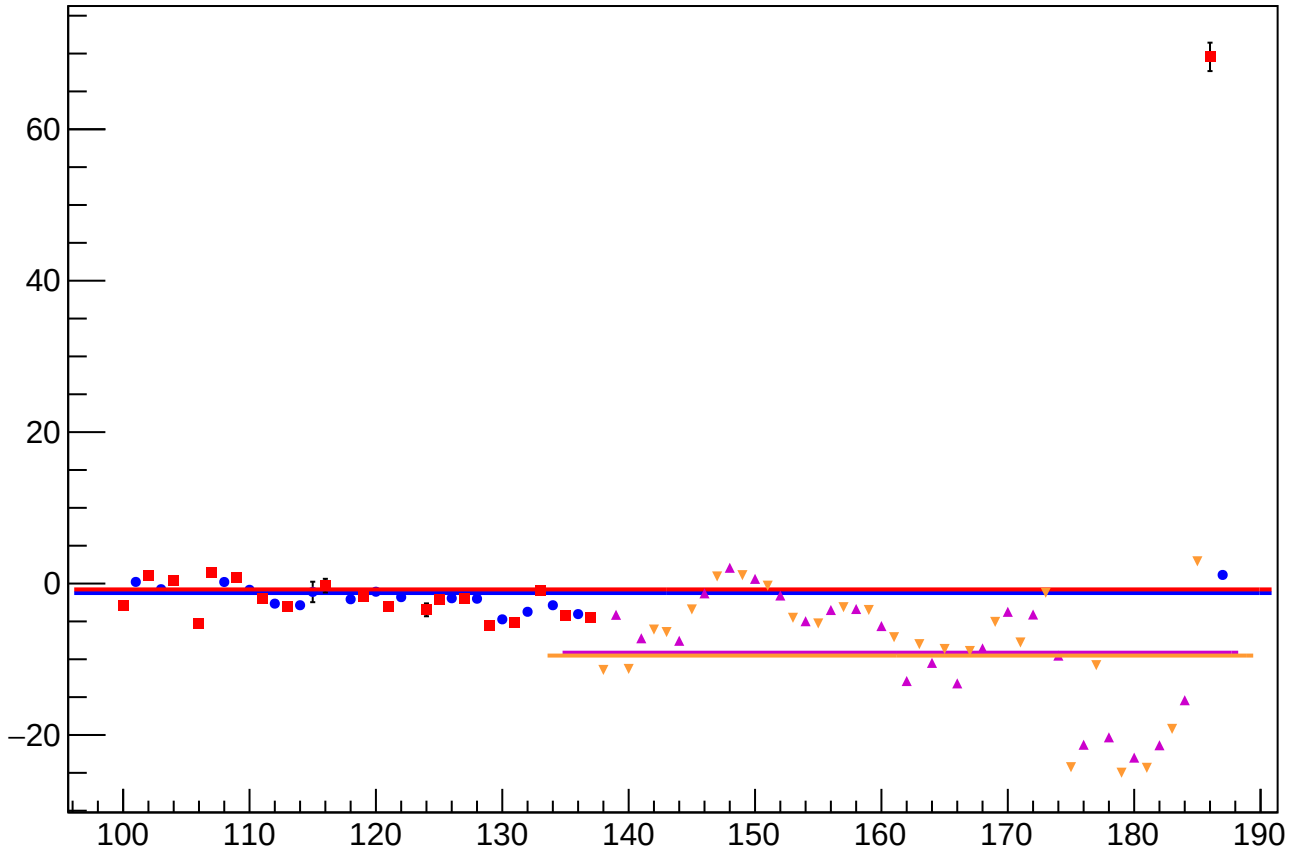
Right: 1.393+/-0.252 χ^2/NDF: 567.7/36

In: 8.187+/-0.159 χ^2/NDF:1728.5/39

Out: 7.777+/-0.154 χ^2/NDF:2247.3/44

All: 7.976+/-0.111 χ^2/NDF: 3979.3/84


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
170
180
190
Right In: -20.875+/-0.019 χ²/NDF: 10746.2/16
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -18.088+/-0.019 χ²/NDF: 151344.8/19
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.426+/-0.013 χ²/NDF: 172917.2/36
In: -19.774+/-0.007 χ²/NDF:59637.7/39
Out: -19.614+/-0.007 χ²/NDF:237833.2/44
All: -19.693+/-0.005 χ²/NDF: 297709.3/84



Right In: -1.251+/-0.054 χ^2/NDF: 631.3/16

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.773+/-0.051 χ^2/NDF: 2790.5/19

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

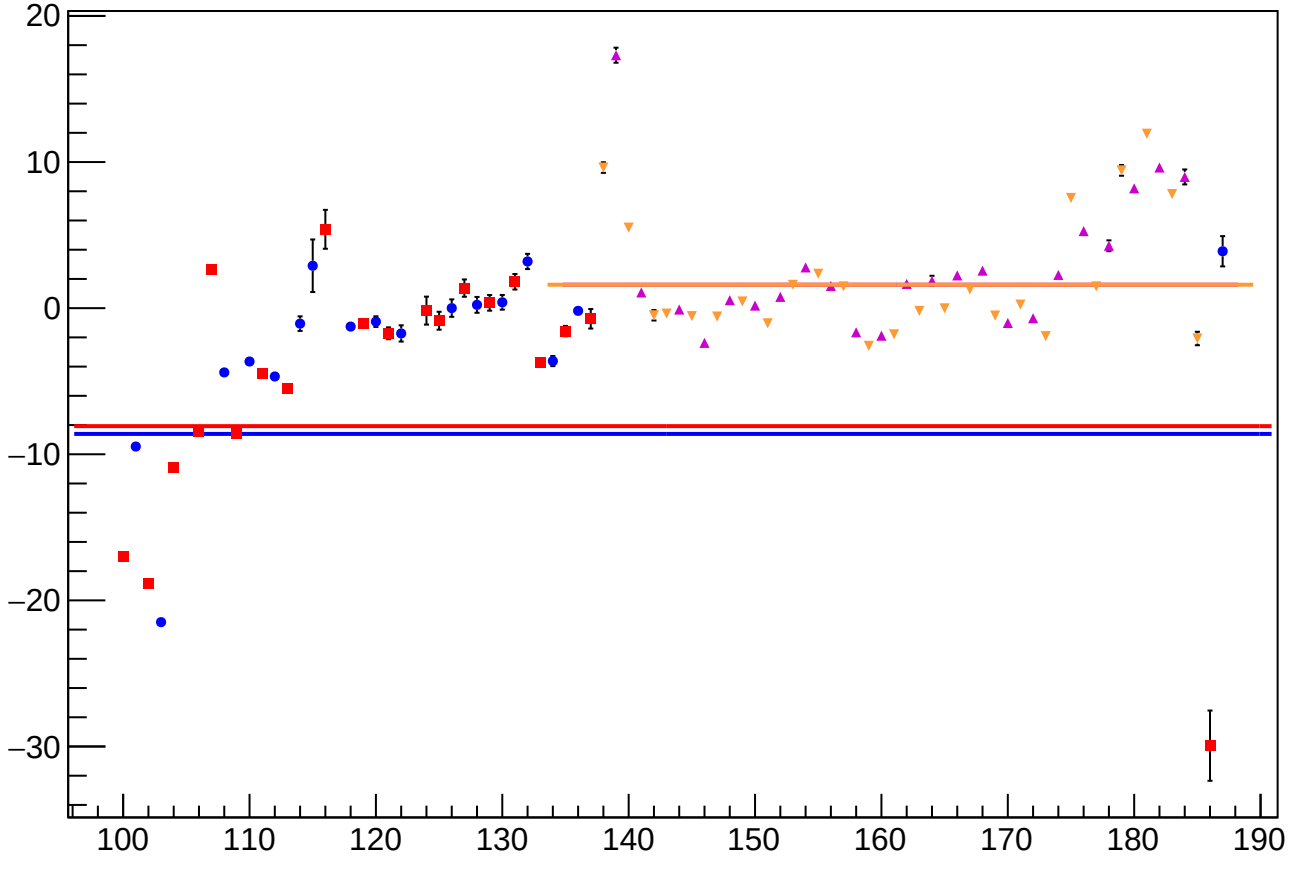
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -0.997+/-0.037 χ^2/NDF: 3463.1/36

In: -3.973+/-0.044 χ^2/NDF:18291.1/39

Out: -3.660+/-0.042 χ^2/NDF:25400.2/44

All: -3.809+/-0.030 χ^2/NDF: 43718.0/84



Right In: -8.607+/-0.057 χ^2/NDF: 13973.8/16

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -8.075+/-0.057 χ^2/NDF: 14510.7/19

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

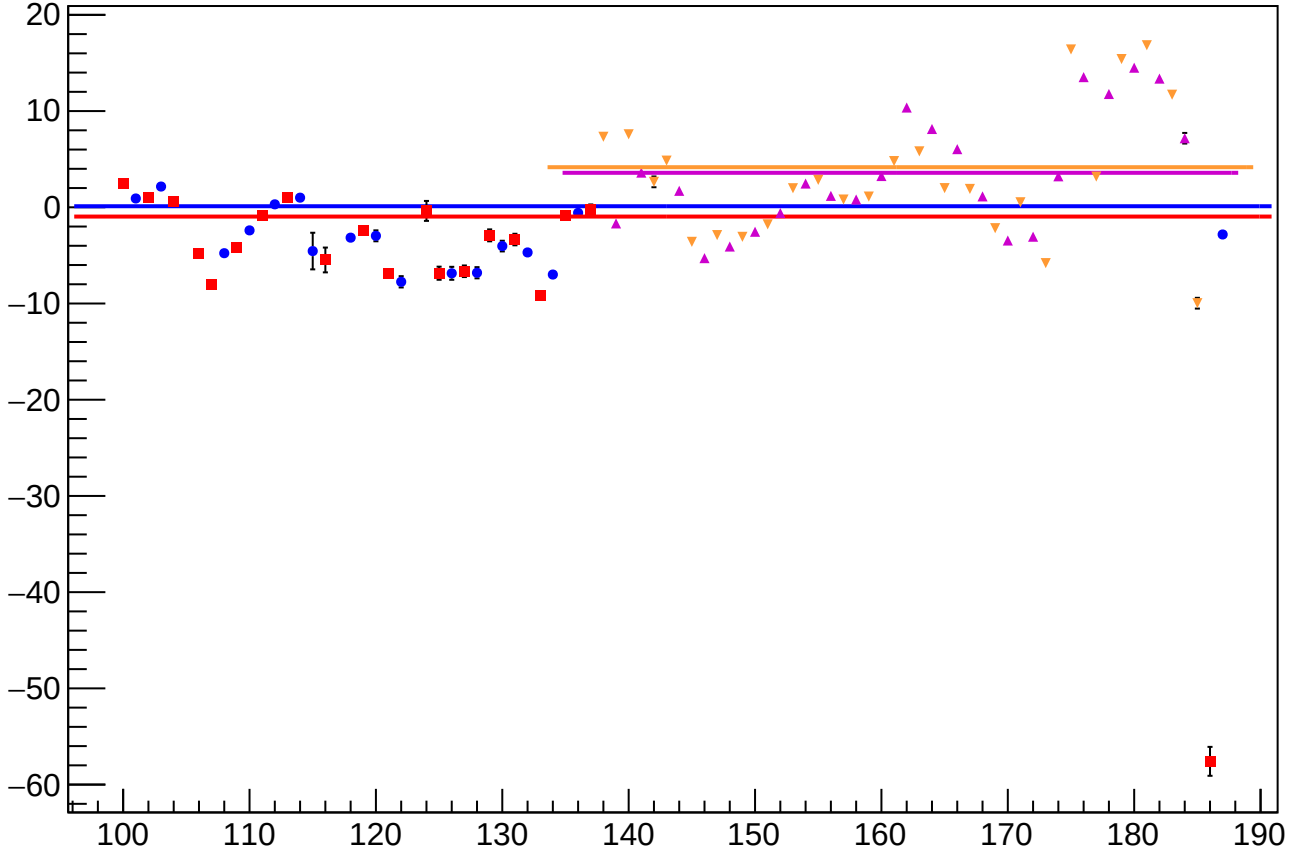
Right: -8.344+/-0.040 χ^2/NDF: 28527.8/36

In: -3.575+/-0.040 χ^2/NDF:33531.2/39

Out: -3.036+/-0.040 χ^2/NDF:33950.0/44

All: -3.301+/-0.028 χ^2/NDF: 67571.0/84

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.110+/-0.053 χ^2/NDF: 1993.0/16

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.963+/-0.054 χ^2/NDF: 4406.3/19

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

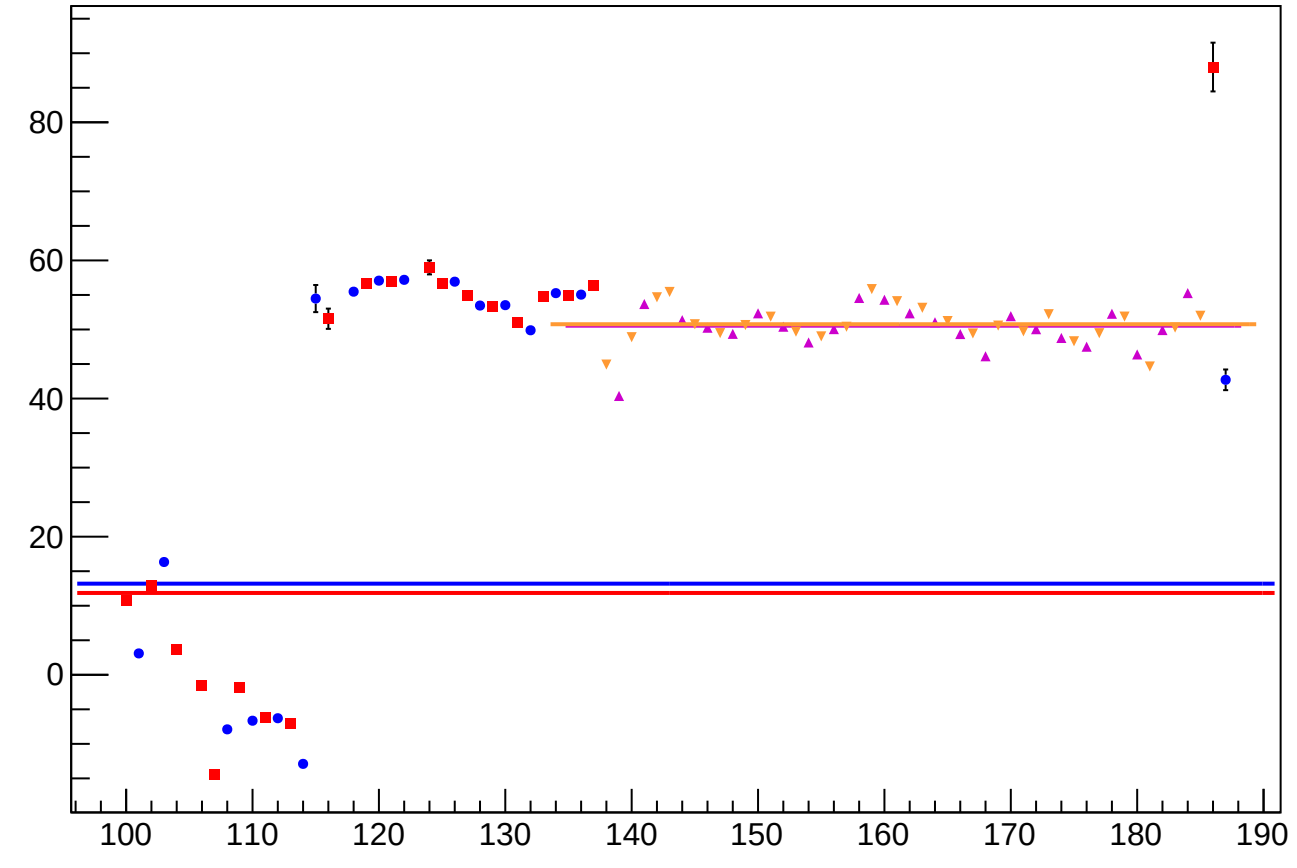
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: -0.417+/-0.038 χ^2/NDF: 6603.3/36

In: 1.279+/-0.043 χ^2/NDF:10685.5/39

Out: 0.862+/-0.043 χ^2/NDF:16913.8/44

All: 1.071+/-0.030 χ^2/NDF: 27646.4/84



Right In: 13.197+/-0.068 χ^2/NDF: 108964.1/16

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 11.851+/-0.068 χ^2/NDF: 118634.1/19

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

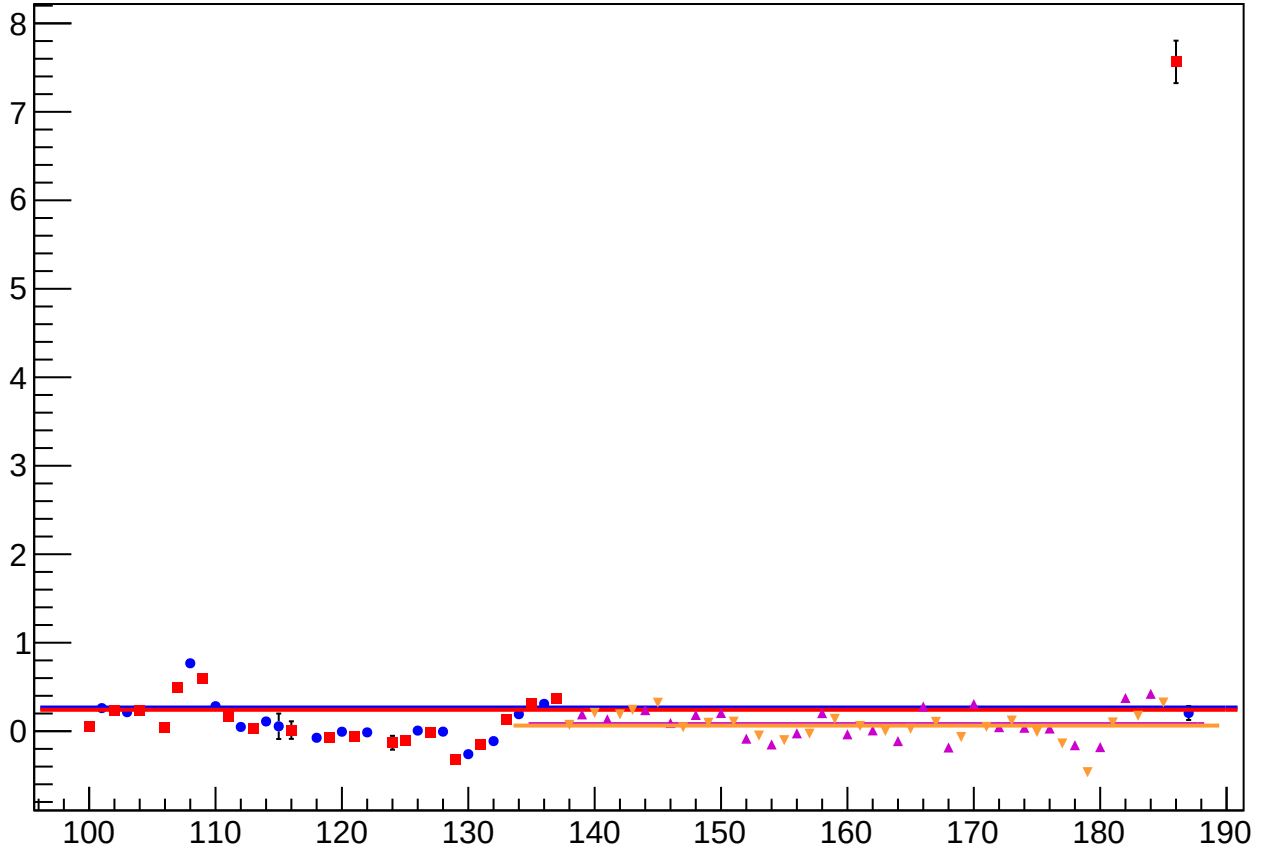
Right: 12.523+/-0.048 χ^2/NDF: 227795.0/36

In: 32.747+/-0.047 χ^2/NDF:269201.3/39

Out: 32.915+/-0.046 χ^2/NDF:298501.2/44

All: 32.833+/-0.033 χ^2/NDF: 567709.1/84

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3721.0/16

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.242+/-0.003 χ^2/NDF: 3270.9/19

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

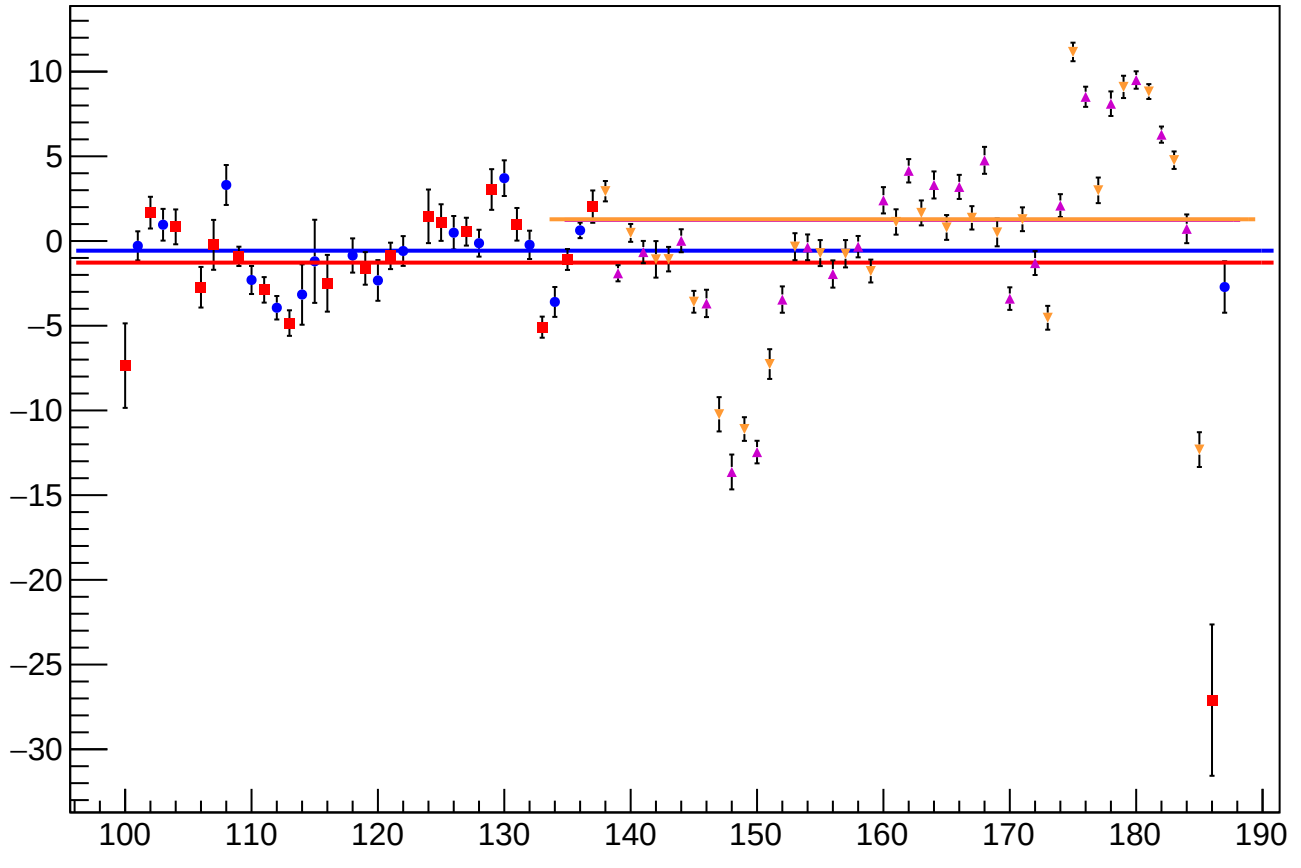
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.255+/-0.002 χ^2/NDF: 7034.8/36

In: 0.175+/-0.002 χ^2/NDF:9404.0/39

Out: 0.154+/-0.002 χ^2/NDF:7917.4/44

All: 0.164+/-0.001 χ^2/NDF: 17377.0/84



Right In: -0.570+/-0.215 χ^2/NDF: 84.8/16

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.275+/-0.204 χ^2/NDF: 164.4/19

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

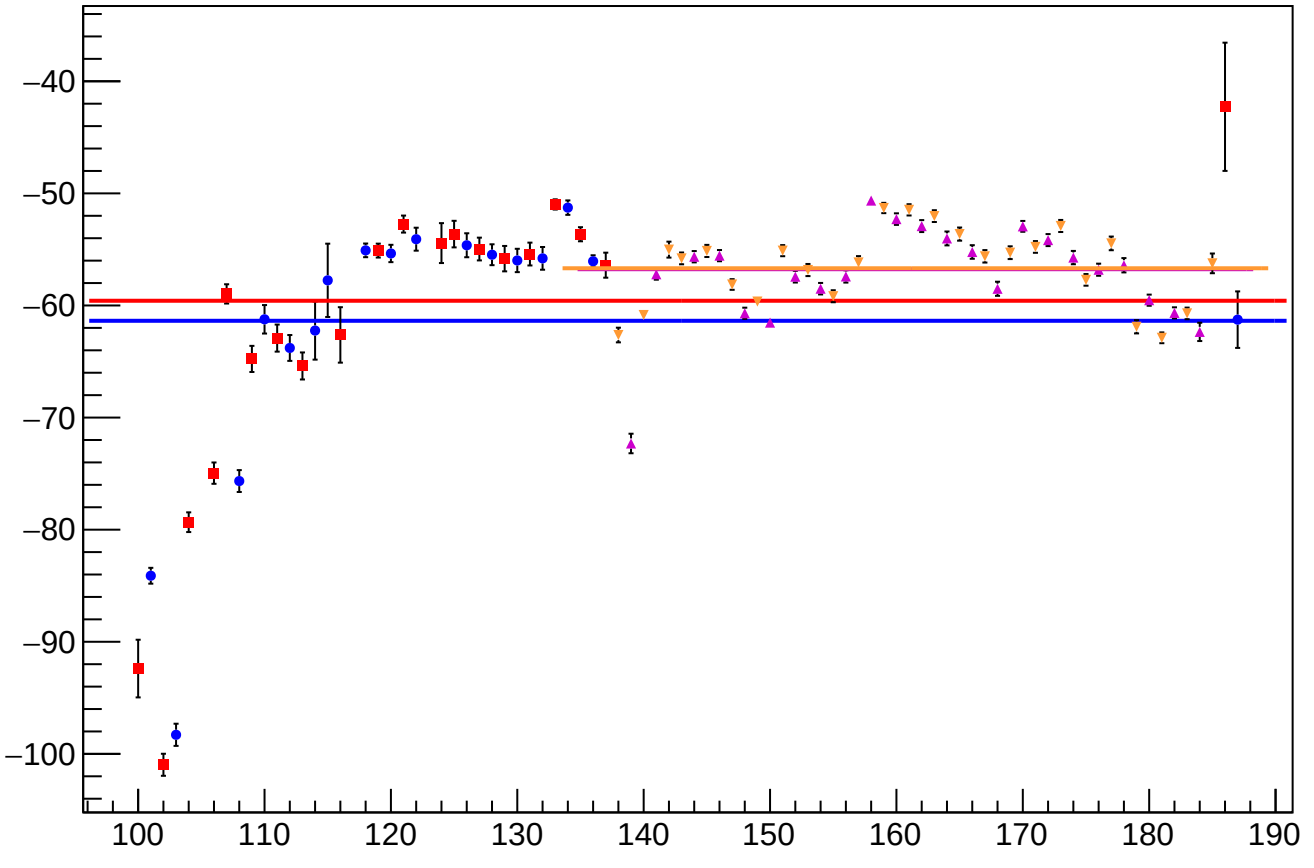
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -0.940+/-0.148 χ^2/NDF: 254.8/36

In: 0.703+/-0.118 χ^2/NDF:1647.3/39

Out: 0.490+/-0.114 χ^2/NDF:1988.1/44

All: 0.593+/-0.082 χ^2/NDF: 3637.0/84



Right In: -61.366+/-0.218 χ^2/NDF: 3351.2/16

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -59.579+/-0.206 χ^2/NDF: 3430.5/19

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

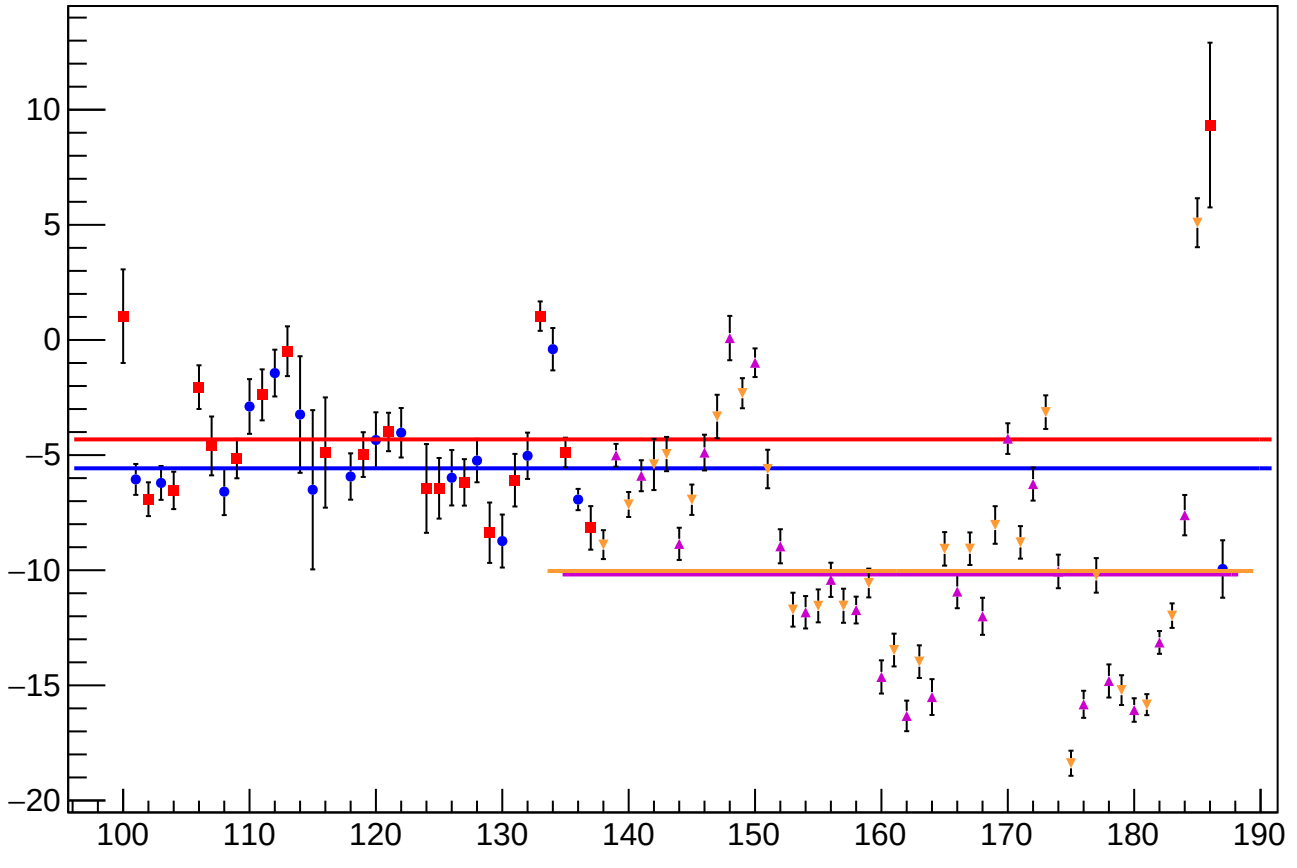
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -60.423+/-0.150 χ^2/NDF: 6817.1/36

In: -57.724+/-0.100 χ^2/NDF:4812.1/39

Out: -57.296+/-0.095 χ^2/NDF:4600.1/44

All: -57.500+/-0.069 χ^2/NDF: 9421.8/84



Right In: -5.574+/-0.226 χ^2/NDF: 88.7/16

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -4.318+/-0.222 χ^2/NDF: 171.2/19

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

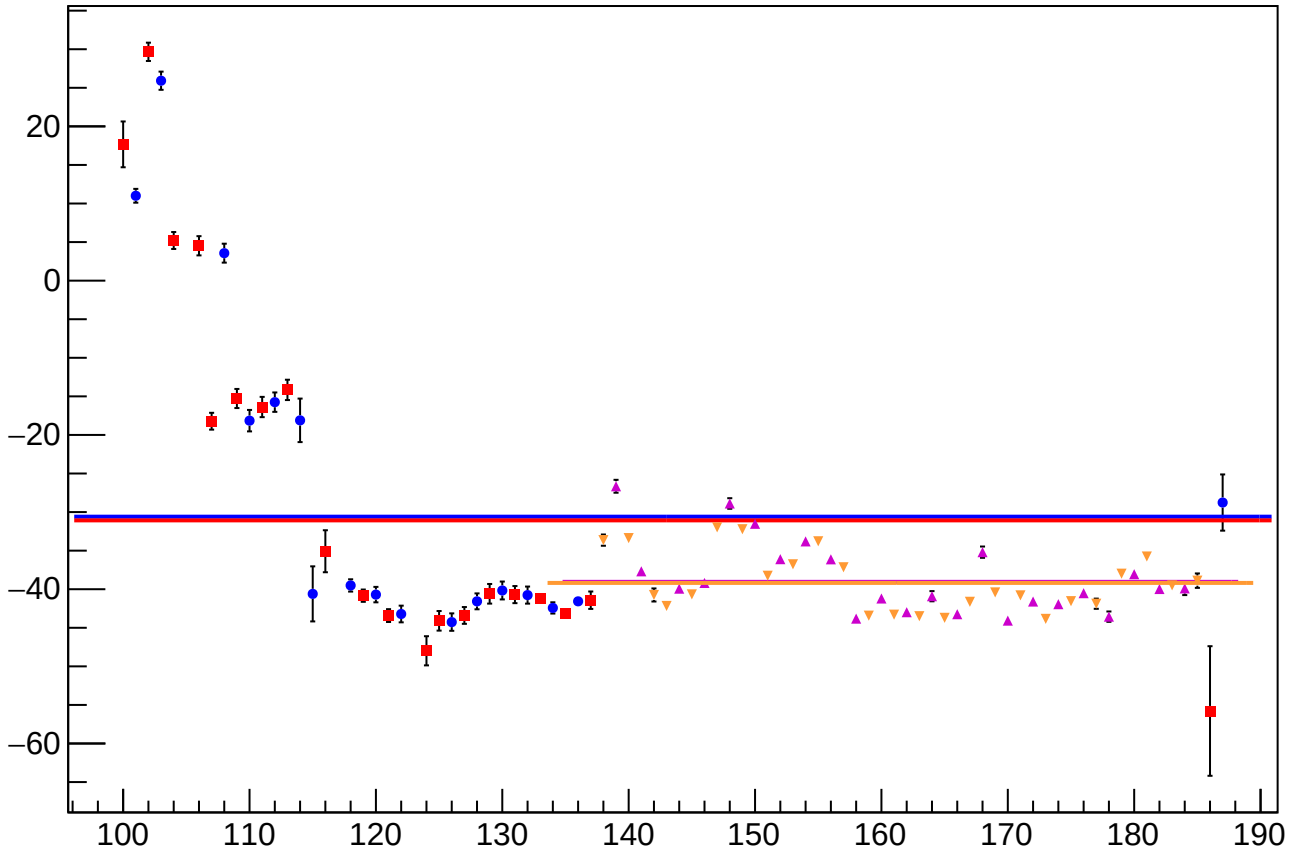
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -4.935+/-0.158 χ^2/NDF: 275.6/36

In: -8.918+/-0.118 χ^2/NDF:1532.8/39

Out: -8.471+/-0.116 χ^2/NDF:1835.0/44

All: -8.690+/-0.083 χ^2/NDF: 3375.1/84



Right In: -30.596+/-0.249 χ^2/NDF: 6938.3/16

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -31.076+/-0.238 χ^2/NDF: 6985.1/19

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

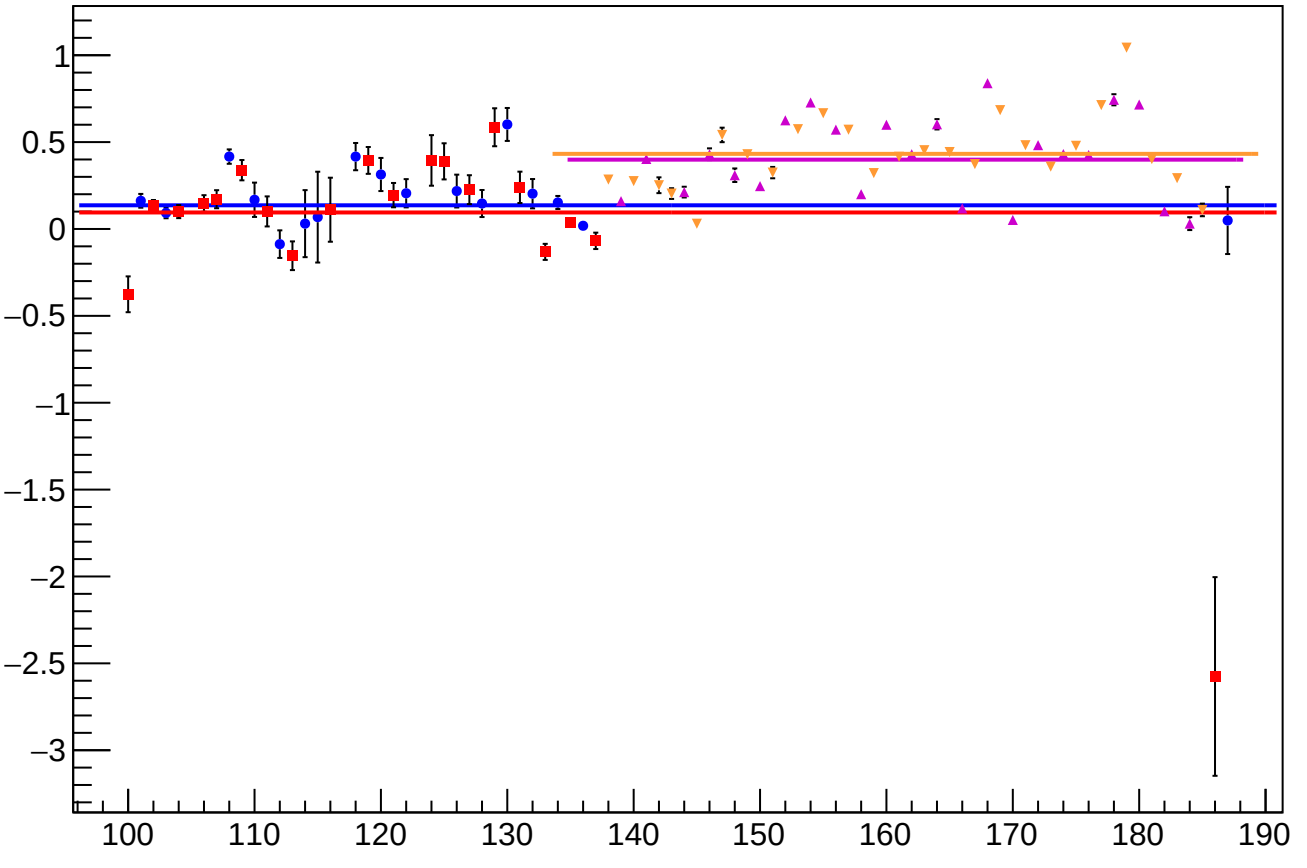
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -30.847+/-0.172 χ^2/NDF: 13925.3/36

In: -37.358+/-0.111 χ^2/NDF:9087.3/39

Out: -37.536+/-0.107 χ^2/NDF:8946.4/44

All: -37.450+/-0.077 χ^2/NDF: 18035.0/84



Right In: 0.136+/-0.012 χ^2/NDF: 129.5/16

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.095+/-0.012 χ^2/NDF: 169.6/19

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

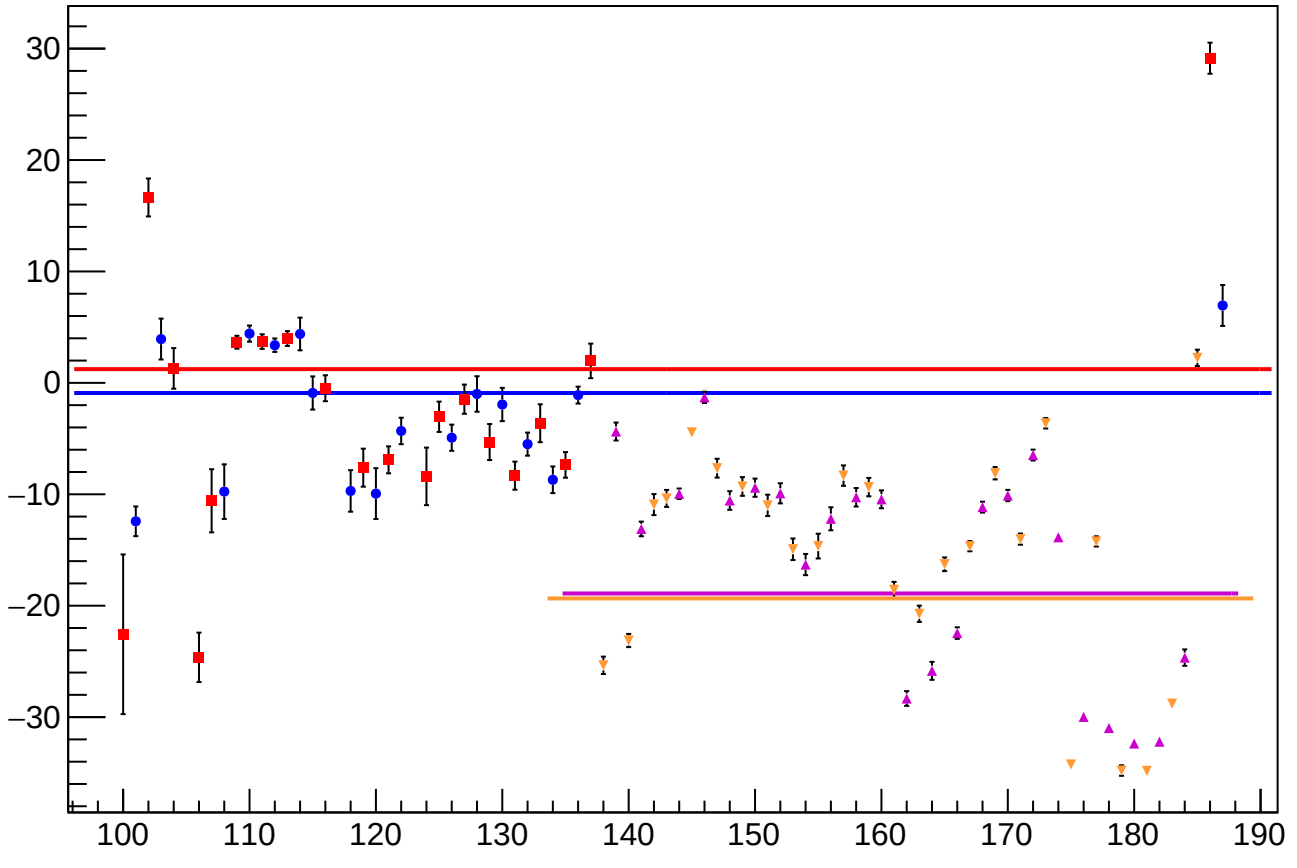
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.115+/-0.009 χ^2/NDF: 304.5/36

In: 0.358+/-0.005 χ^2/NDF:2427.8/39

Out: 0.380+/-0.005 χ^2/NDF:2168.9/44

All: 0.369+/-0.003 χ^2/NDF: 4606.4/84



Right In: -0.909+/-0.277 χ^2/NDF: 350.7/16

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.232+/-0.261 χ^2/NDF: 935.3/19

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

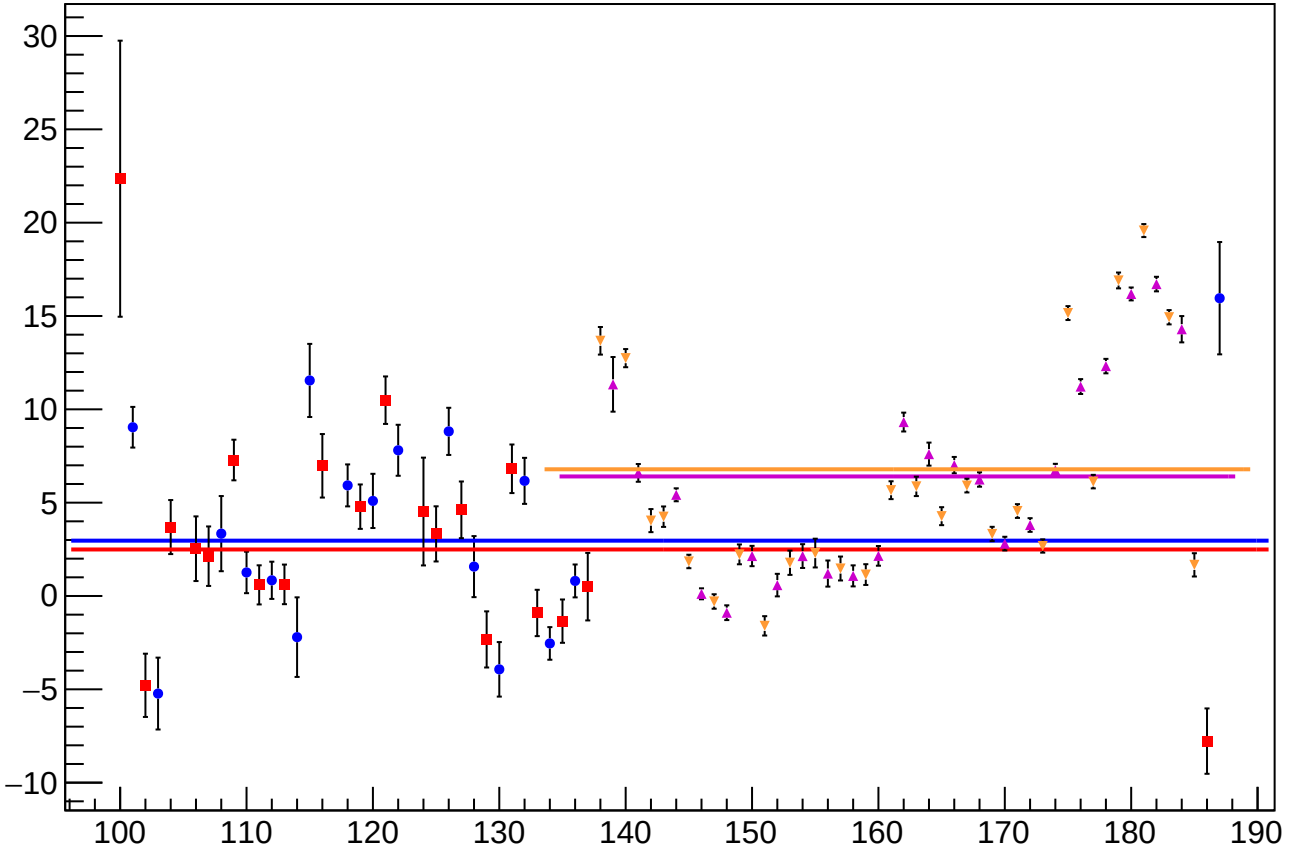
Right: 0.224+/-0.190 χ^2/NDF: 1317.5/36

In: -16.218+/-0.107 χ^2/NDF:12217.3/39

Out: -16.091+/-0.104 χ^2/NDF:16544.4/44

All: -16.152+/-0.075 χ^2/NDF: 28762.4/84

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.964+/-0.312 χ^2/NDF: 218.4/16

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.492+/-0.317 χ^2/NDF: 180.5/19

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

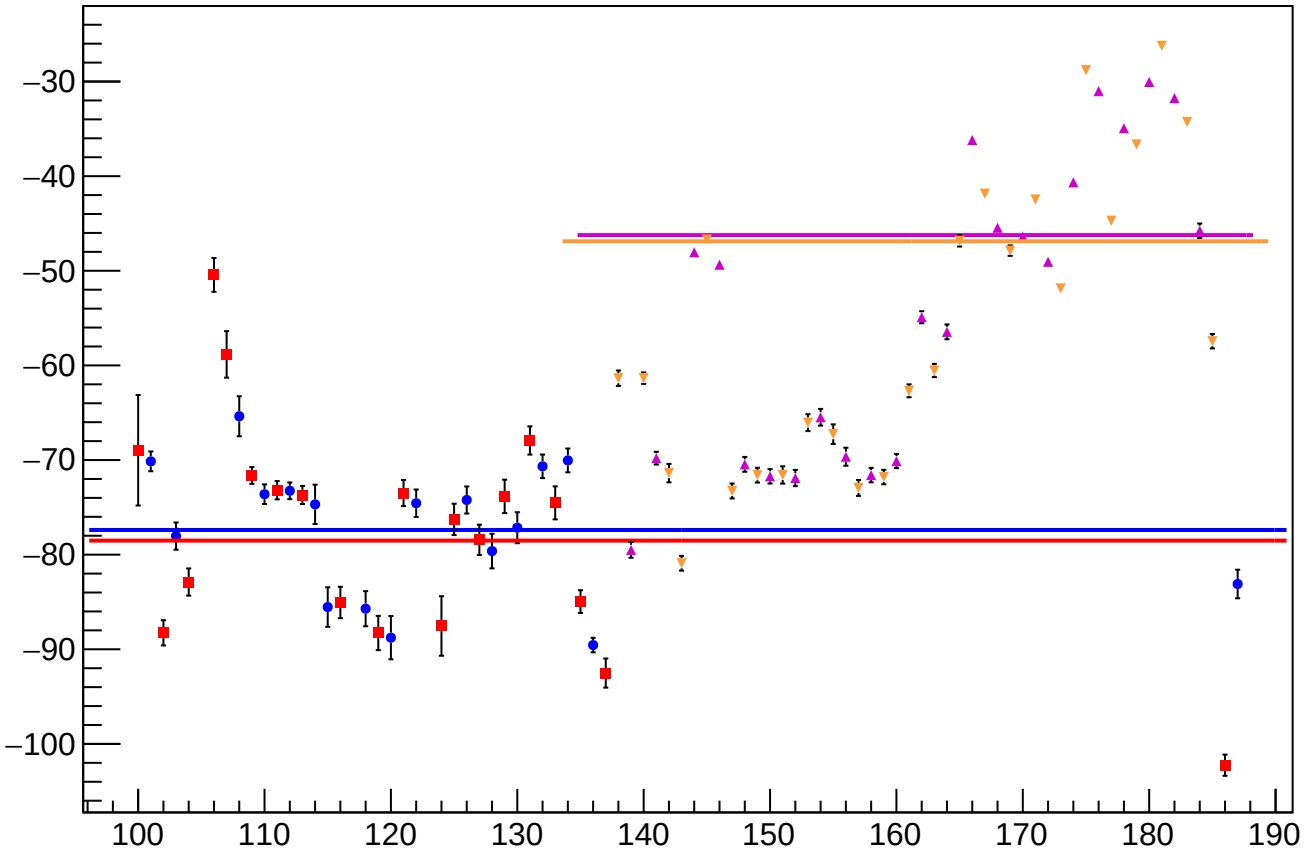
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 2.732+/-0.222 χ^2/NDF: 400.0/36

In: 6.133+/-0.088 χ^2/NDF:3741.0/39

Out: 6.467+/-0.087 χ^2/NDF:4983.0/44

All: 6.301+/-0.062 χ^2/NDF: 8731.3/84



Right In: -77.390+/-0.319 χ^2/NDF: 518.2/16

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -78.516+/-0.315 χ^2/NDF: 1183.5/19

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

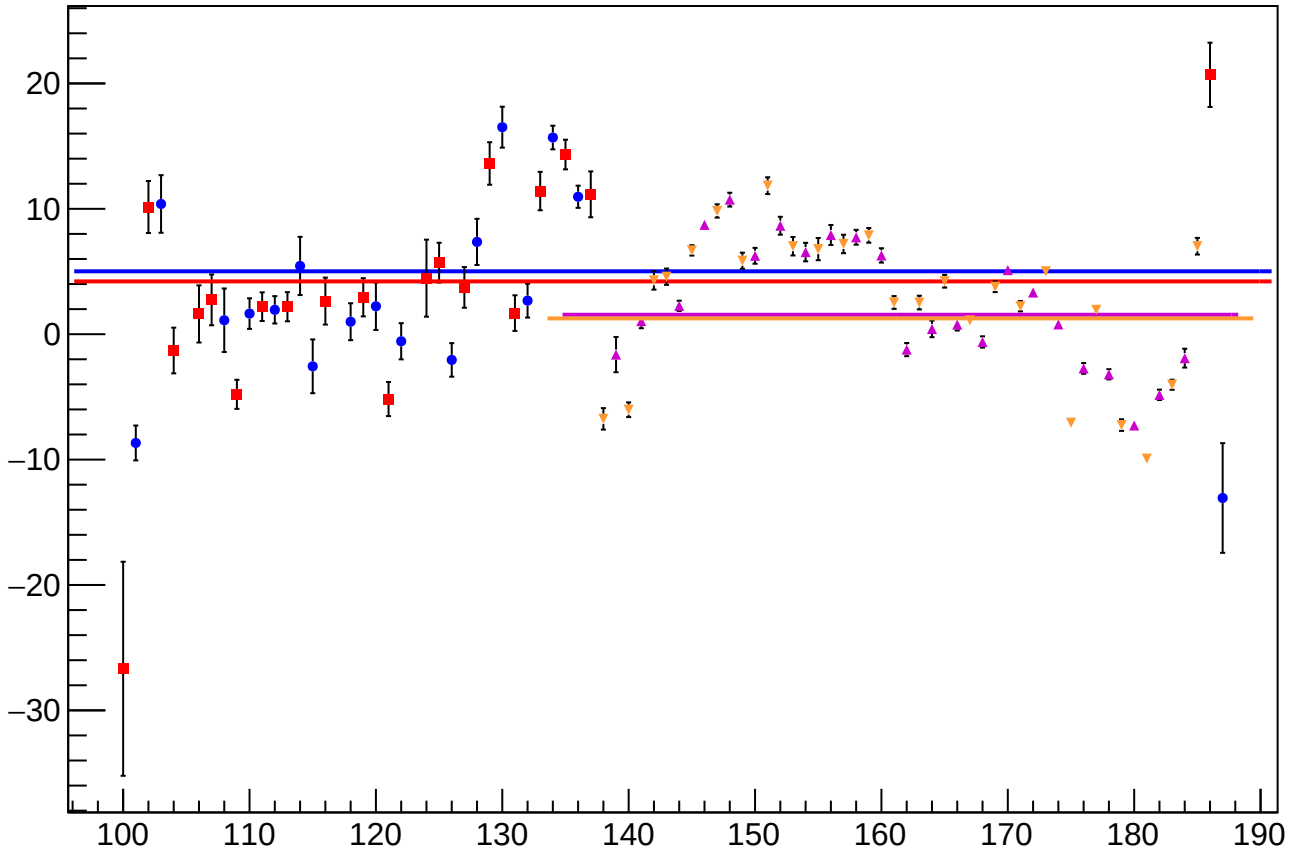
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -77.960+/-0.224 χ^2/NDF: 1708.0/36

In: -49.886+/-0.109 χ^2/NDF:24112.7/39

Out: -50.536+/-0.107 χ^2/NDF:28066.8/44

All: -50.218+/-0.076 χ^2/NDF: 52197.6/84



Right In: 5.016+/-0.349 χ^2/NDF: 429.5/16

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.212+/-0.358 χ^2/NDF: 333.5/19

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

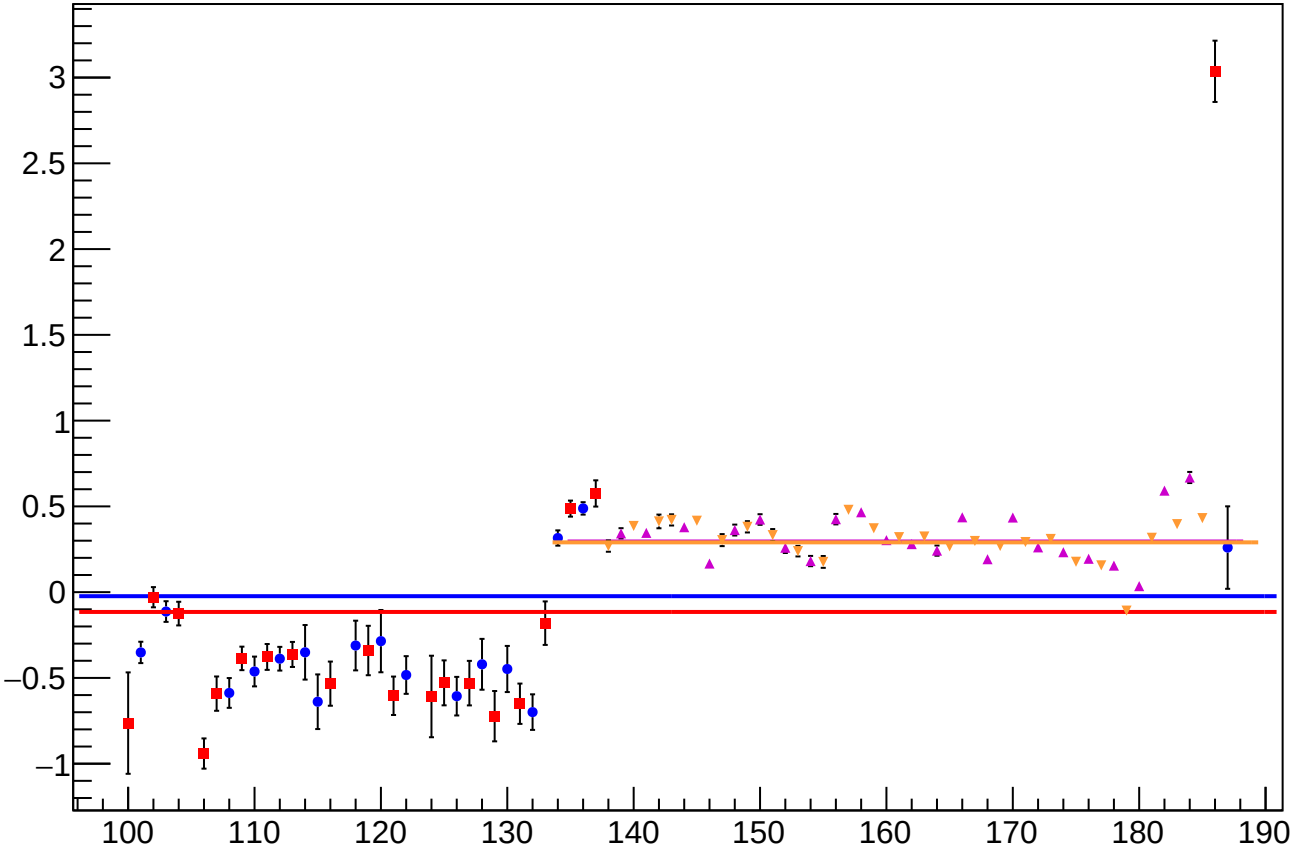
Right: 4.625+/-0.250 χ^2/NDF: 765.7/36

In: 1.824+/-0.098 χ^2/NDF:2856.2/39

Out: 1.477+/-0.097 χ^2/NDF:3842.2/44

All: 1.648+/-0.069 χ^2/NDF: 6704.8/84

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.019 χ^2/NDF: 513.8/16

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.115+/-0.020 χ^2/NDF: 810.1/19

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

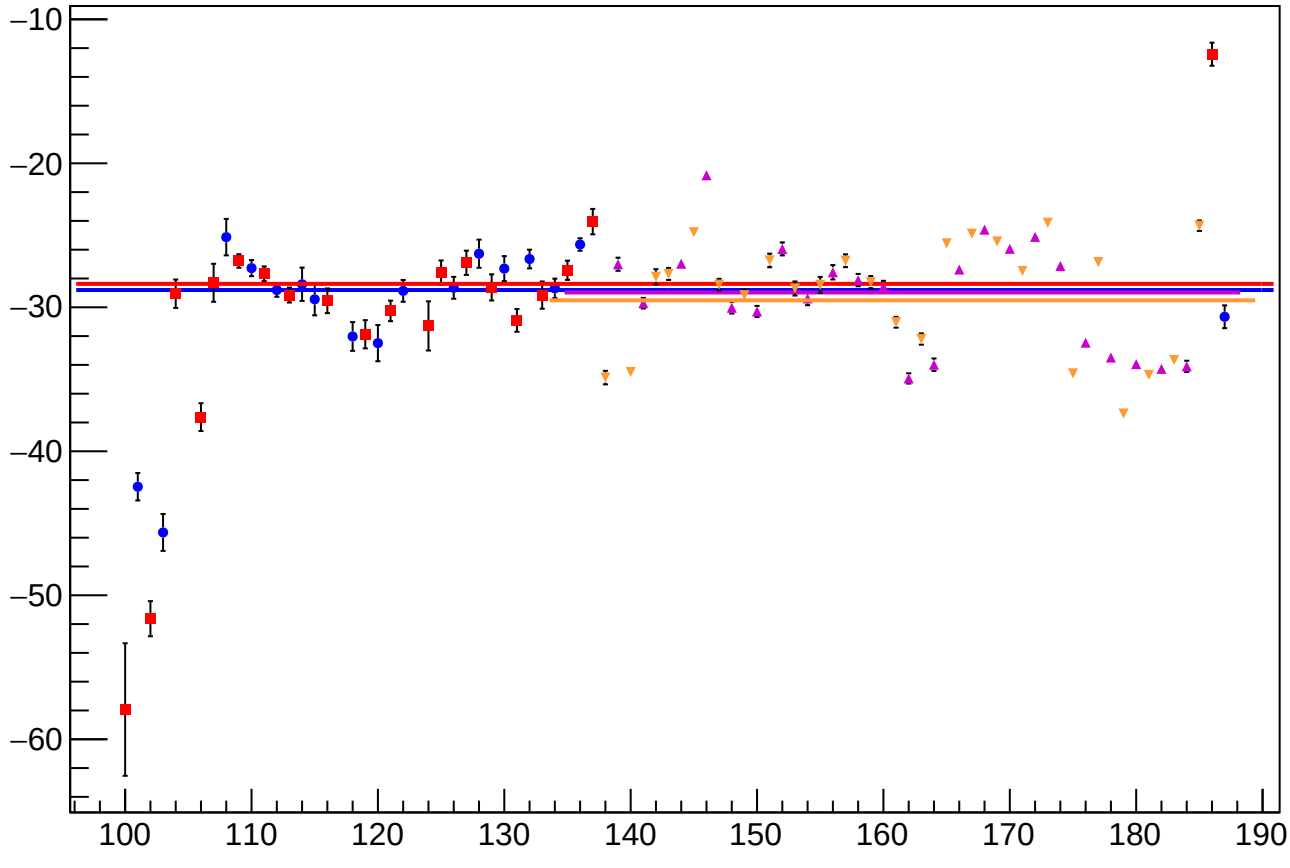
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.067+/-0.014 χ^2/NDF: 1335.1/36

In: 0.278+/-0.004 χ^2/NDF:1818.6/39

Out: 0.271+/-0.004 χ^2/NDF:1918.3/44

All: 0.274+/-0.003 χ^2/NDF: 3737.9/84



Right In: -28.801+/-0.181 χ^2/NDF: 493.1/16

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.373+/-0.177 χ^2/NDF: 974.0/19

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

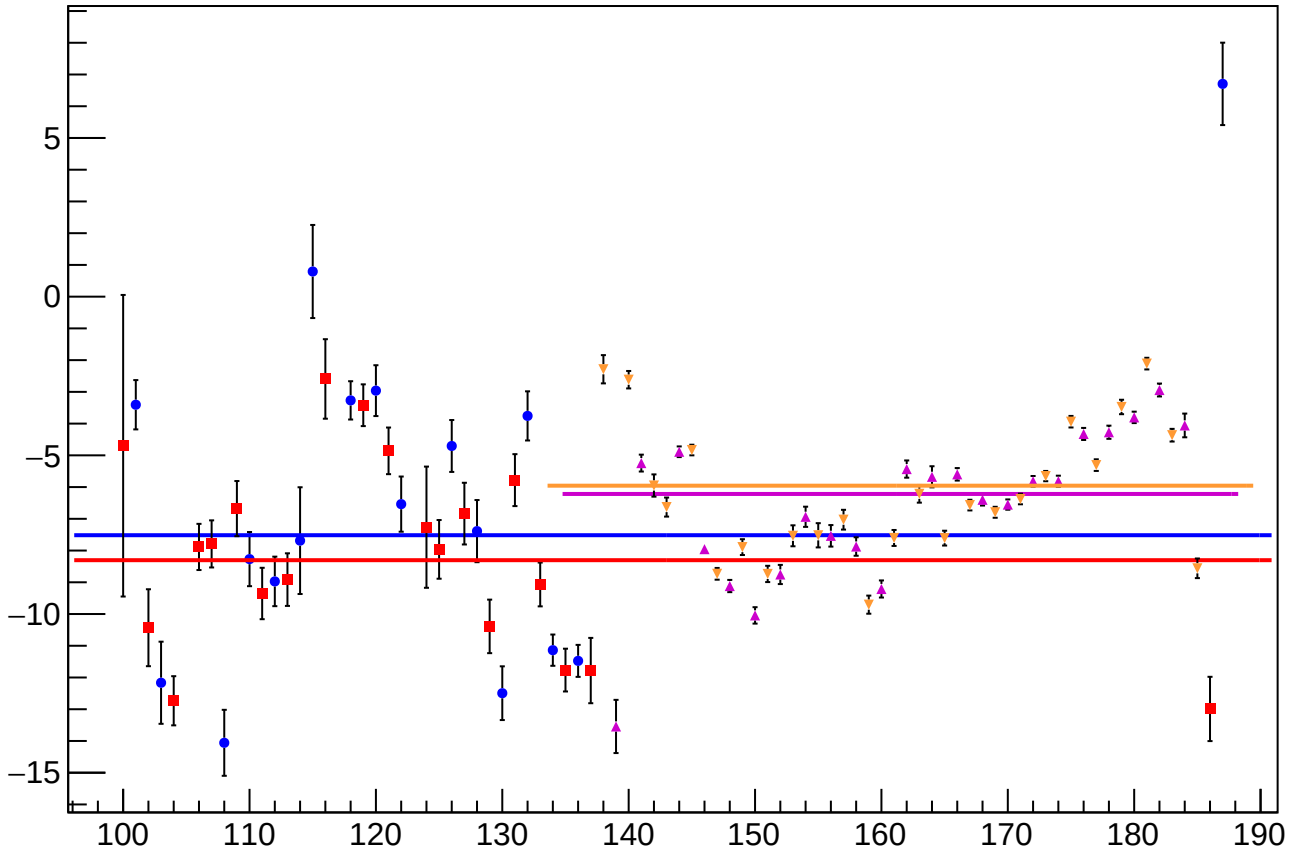
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -28.582+/-0.126 χ^2/NDF: 1469.9/36

In: -28.955+/-0.054 χ^2/NDF:5842.5/39

Out: -29.411+/-0.054 χ^2/NDF:7100.4/44

All: -29.186+/-0.038 χ^2/NDF: 12978.4/84



Right In: -7.517+/-0.193 χ^2/NDF: 505.9/16

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.304+/-0.193 χ^2/NDF: 219.6/19

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

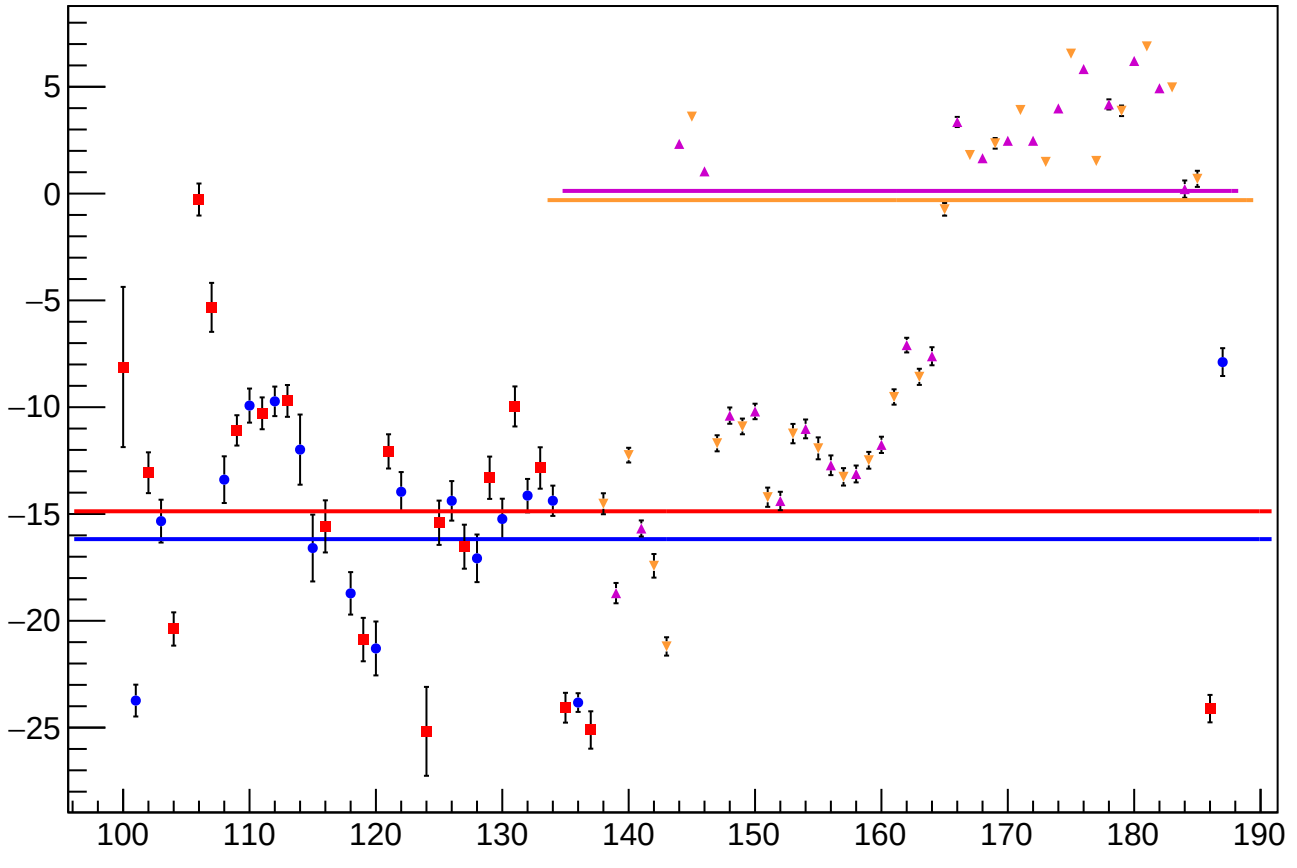
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.910+/-0.136 χ^2/NDF: 733.8/36

In: -6.282+/-0.043 χ^2/NDF:2290.8/39

Out: -6.074+/-0.043 χ^2/NDF:2217.8/44

All: -6.179+/-0.031 χ^2/NDF: 4520.2/84



Right In: -16.176+/-0.199 χ^2/NDF: 779.8/16

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.873+/-0.199 χ^2/NDF: 1246.3/19

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

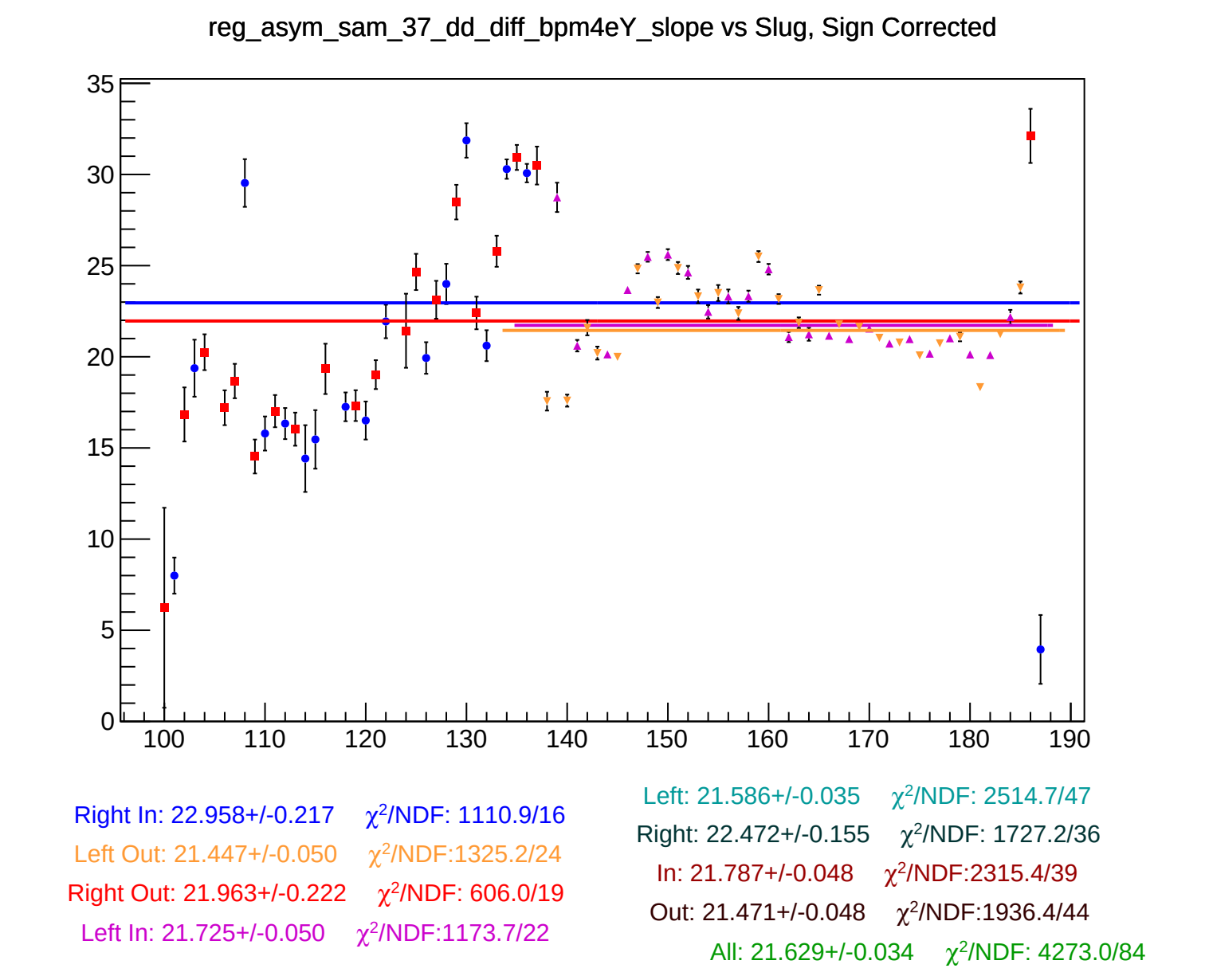
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

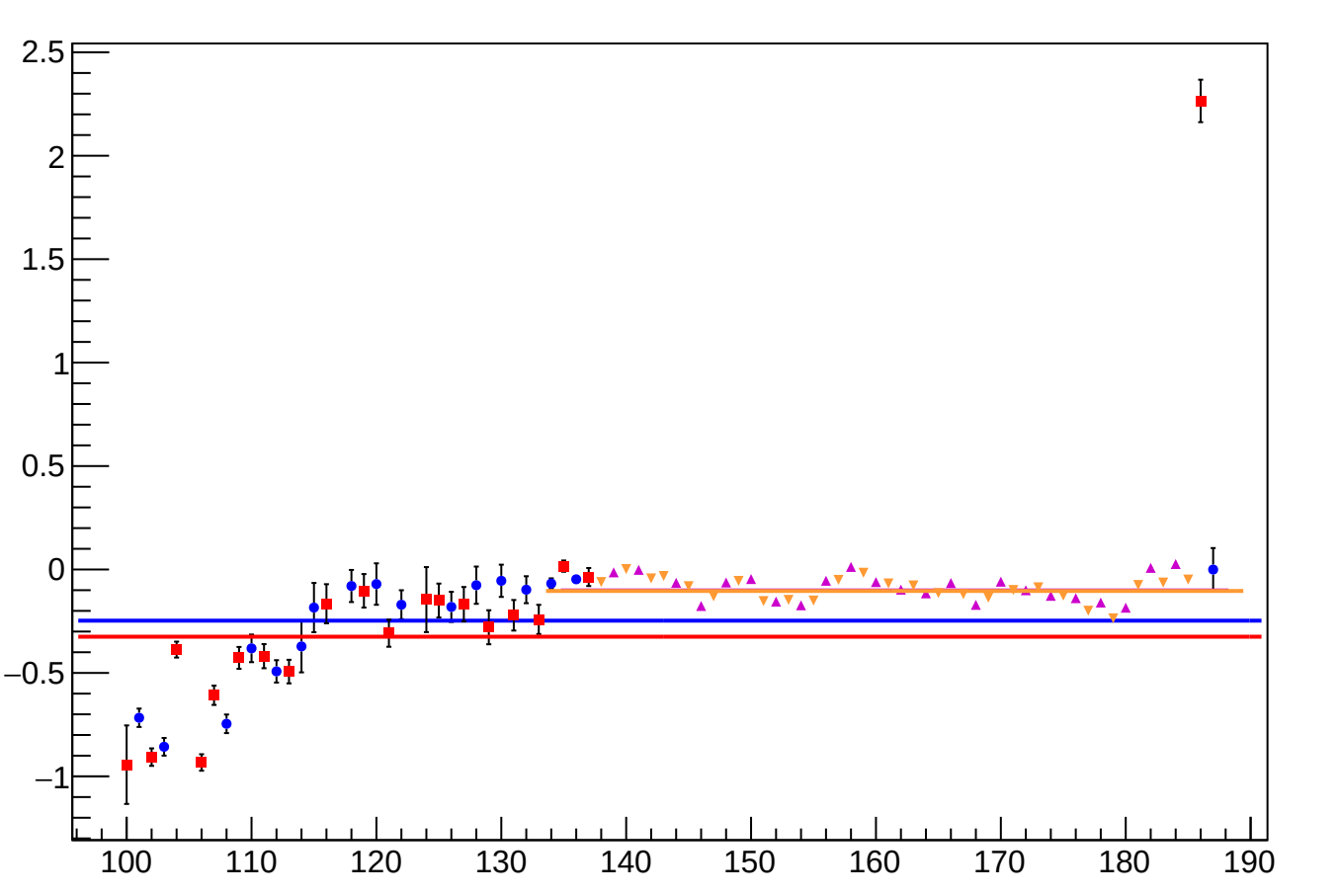
Right: -15.524+/-0.141 χ^2/NDF: 2047.5/36

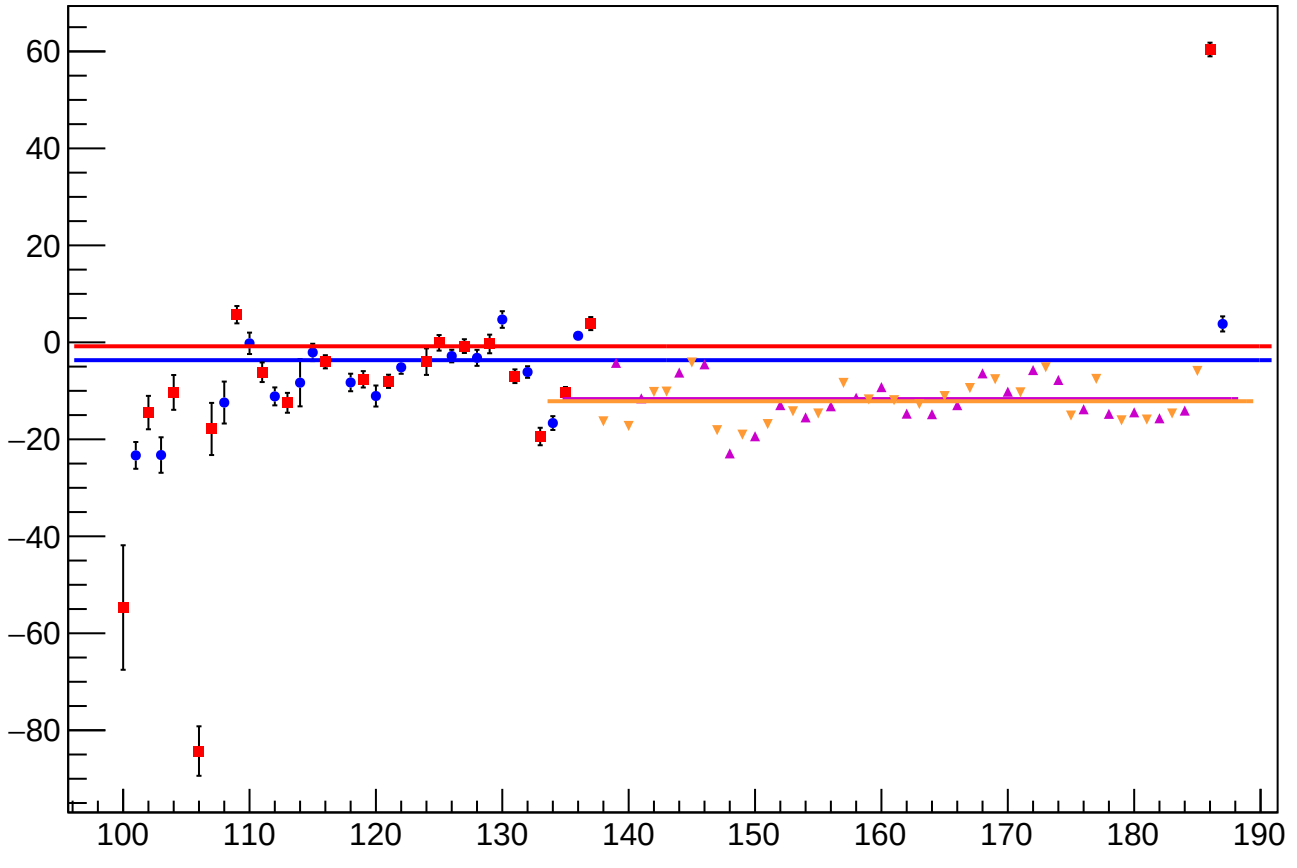
In: -1.107+/-0.055 χ^2/NDF:20801.3/39

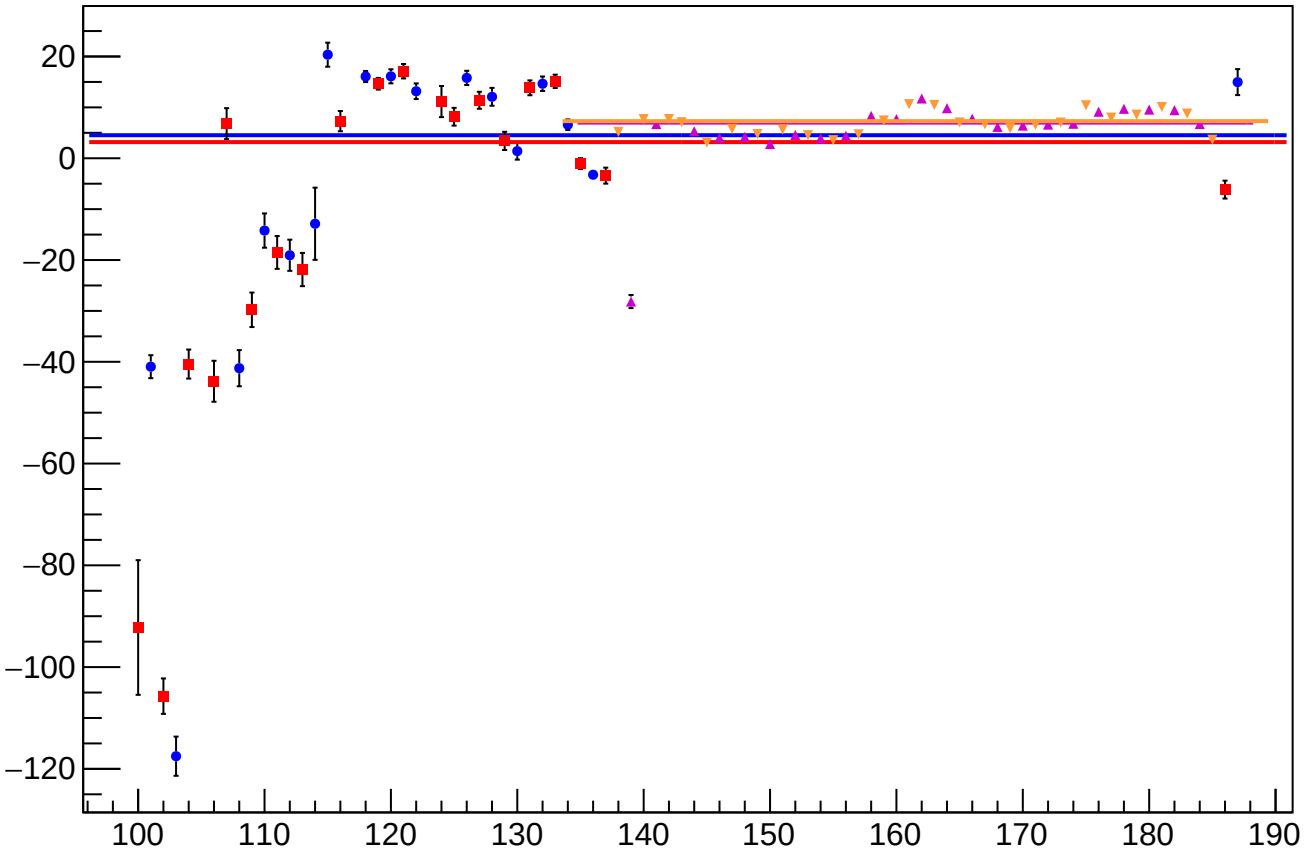
Out: -1.395+/-0.054 χ^2/NDF:23385.0/44

All: -1.252+/-0.039 χ^2/NDF: 44200.1/84


reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
Right In: 22.958+/-0.217 χ²/NDF: 1110.9/16
Left Out: 21.447+/-0.050 χ²/NDF:1325.2/24
Right Out: 21.963+/-0.222 χ²/NDF: 606.0/19
Left In: 21.725+/-0.050 χ²/NDF:1173.7/22
Left: 21.586+/-0.035 χ²/NDF: 2514.7/47
Right: 22.472+/-0.155 χ²/NDF: 1727.2/36
In: 21.787+/-0.048 χ²/NDF:2315.4/39
Out: 21.471+/-0.048 χ²/NDF:1936.4/44
All: 21.629+/-0.034 χ²/NDF: 4273.0/84


reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.247+/-0.012 χ2/NDF: 639.3/16
Left Out: -0.104+/-0.002 χ2/NDF:547.4/24
Right Out: -0.325+/-0.012 χ2/NDF: 1350.2/19
Left In: -0.101+/-0.002 χ2/NDF:757.6/22
Left: -0.103+/-0.002 χ2/NDF: 1305.7/47
Right: -0.284+/-0.008 χ2/NDF: 2010.6/36
In: -0.107+/-0.002 χ2/NDF:1550.0/39
Out: -0.111+/-0.002 χ2/NDF:2212.8/44
All: -0.109+/-0.002 χ2/NDF: 3764.6/84


reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
190
Right In: -3.676+/-0.371 χ²/NDF: 312.3/16
Left Out: -12.143+/-0.092 χ²/NDF:2130.5/24
Right Out: -0.811+/-0.392 χ²/NDF: 2524.7/19
Left In: -11.698+/-0.094 χ²/NDF:1951.0/22
Left: -11.927+/-0.066 χ²/NDF: 4092.9/47
Right: -2.322+/-0.269 χ²/NDF: 2865.2/36
In: -11.211+/-0.091 χ²/NDF:2702.9/39
Out: -11.556+/-0.089 χ²/NDF:5448.8/44
All: -11.388+/-0.064 χ²/NDF: 8159.1/84



Right In: 4.530+/-0.381 χ^2/NDF: 2186.2/16

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 3.177+/-0.411 χ^2/NDF: 2037.1/19

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

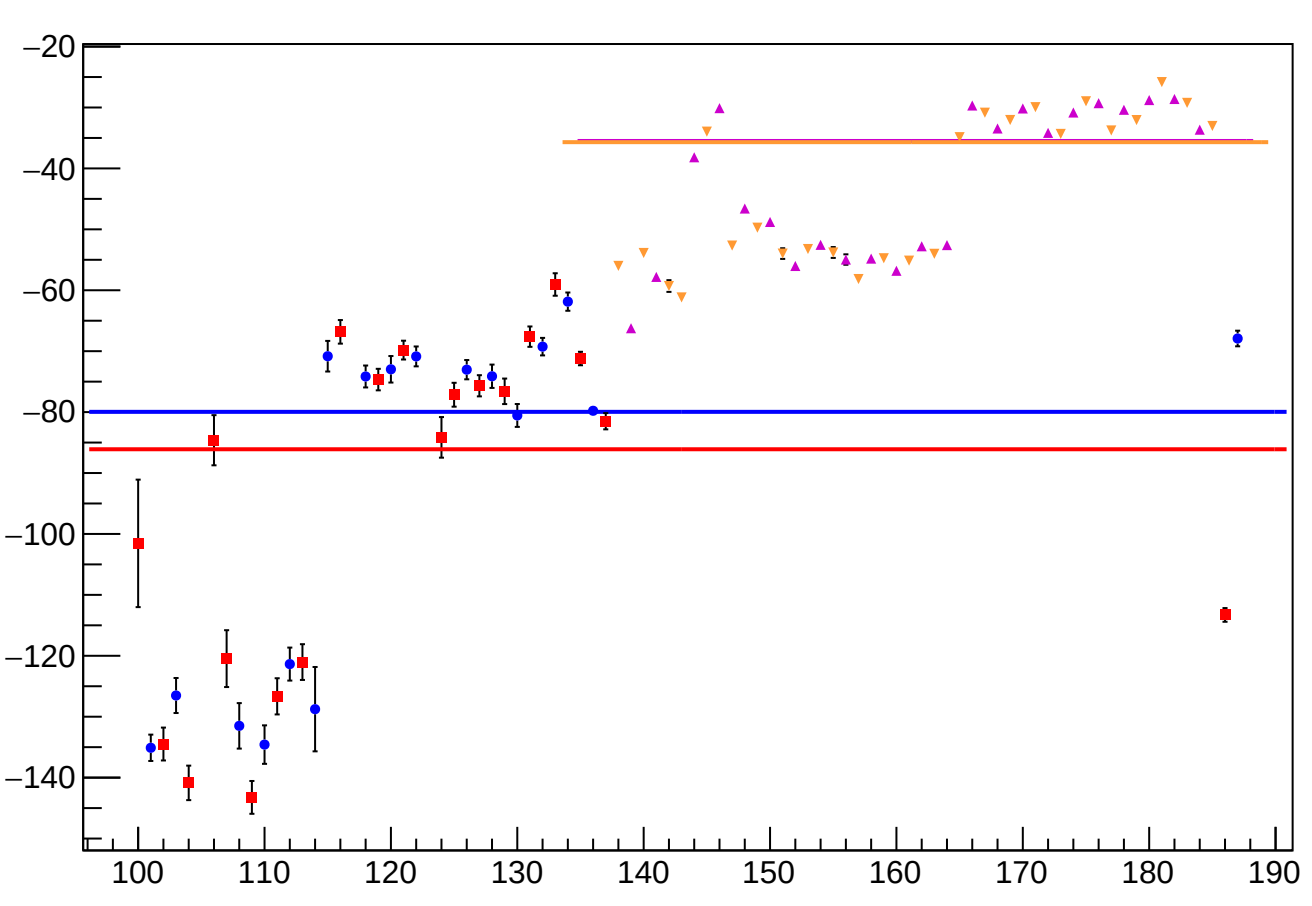
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 3.905+/-0.279 χ^2/NDF: 4229.1/36

In: 6.910+/-0.075 χ^2/NDF:3802.8/39

Out: 7.164+/-0.074 χ^2/NDF:2957.3/44

All: 7.038+/-0.052 χ^2/NDF: 6766.0/84



Right In: -79.958+/-0.396 χ^2/NDF: 2068.7/16

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -86.100+/-0.427 χ^2/NDF: 2975.6/19

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

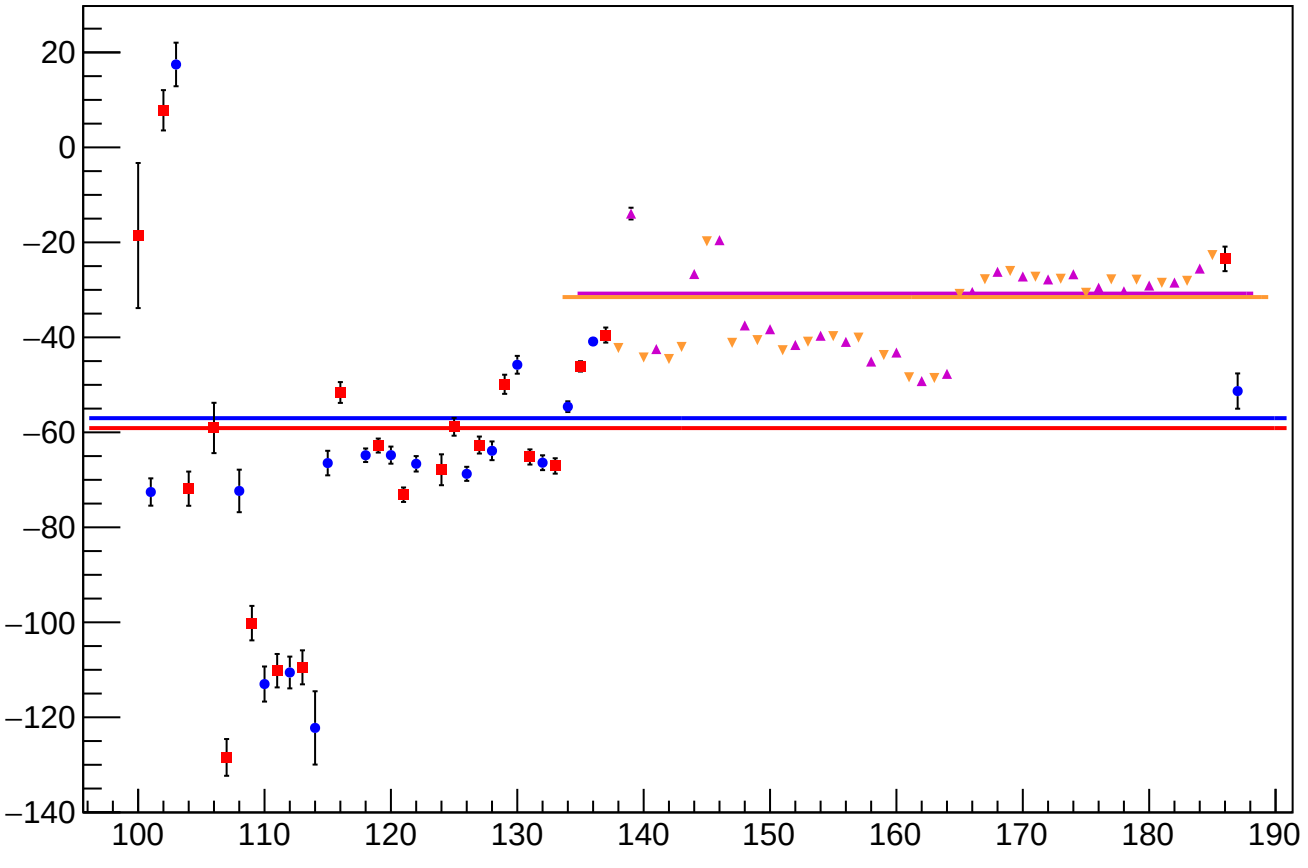
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -82.800+/-0.291 χ^2/NDF: 5155.4/36

In: -37.892+/-0.092 χ^2/NDF:25133.4/39

Out: -37.937+/-0.090 χ^2/NDF:29066.5/44

All: -37.915+/-0.064 χ^2/NDF: 54199.9/84



Right In: -57.014+/-0.423 χ^2/NDF: 1529.2/16

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -59.107+/-0.462 χ^2/NDF: 1784.5/19

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

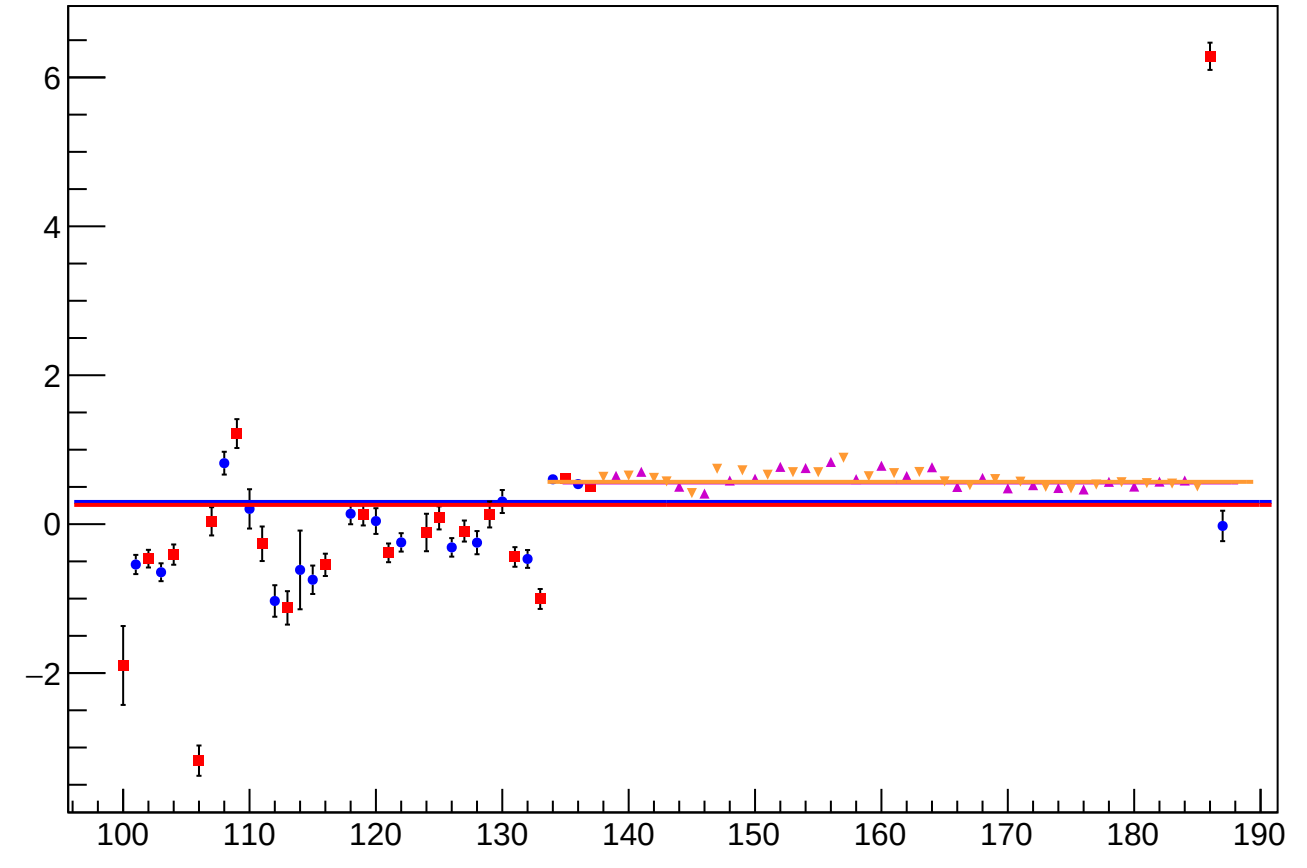
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -57.967+/-0.312 χ^2/NDF: 3324.8/36

In: -31.791+/-0.083 χ^2/NDF:12775.6/39

Out: -32.377+/-0.081 χ^2/NDF:13690.6/44

All: -32.088+/-0.058 χ^2/NDF: 26491.6/84



Right In: 0.298+/-0.023 χ^2/NDF: 377.4/16

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.259+/-0.026 χ^2/NDF: 1780.9/19

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

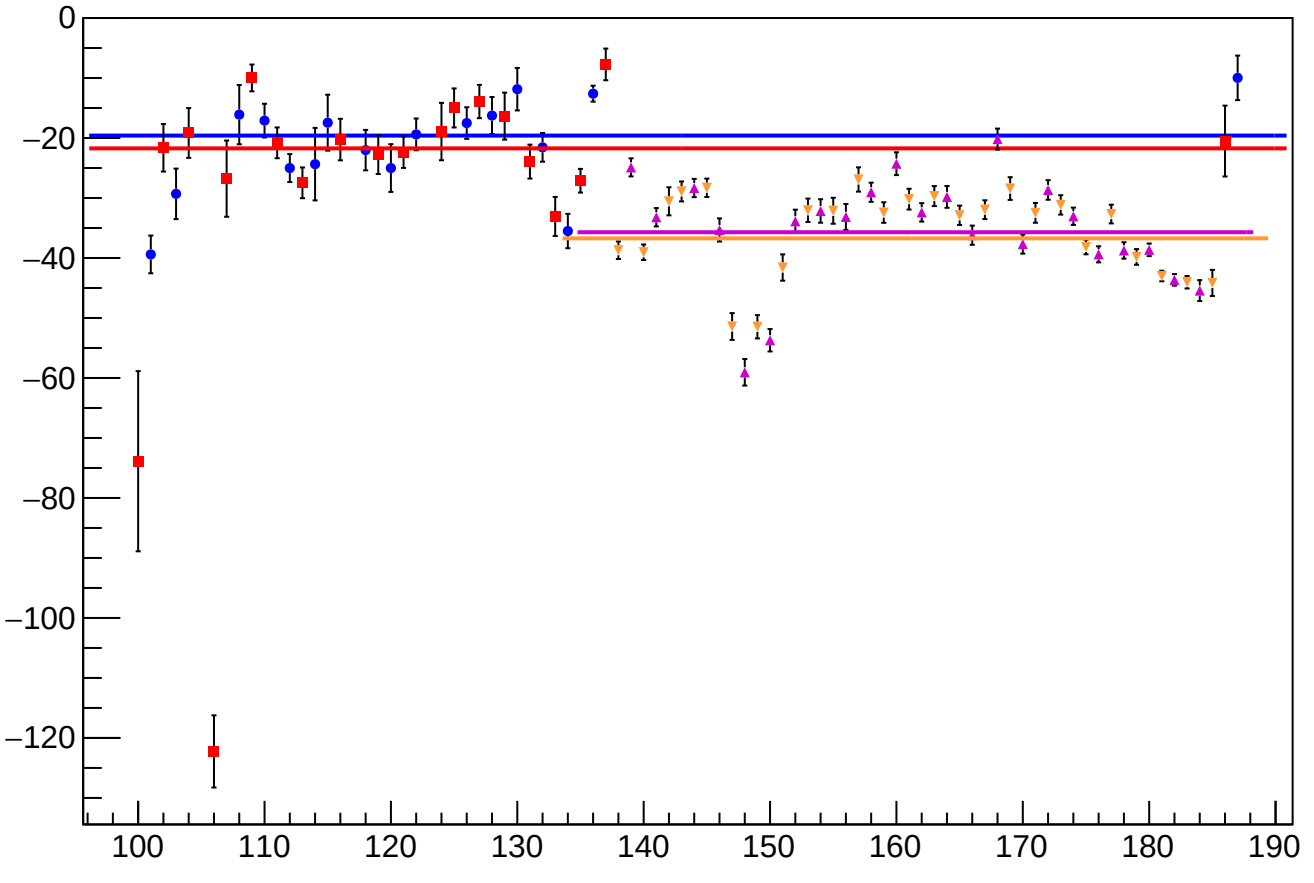
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.281+/-0.017 χ^2/NDF: 2159.6/36

In: 0.553+/-0.004 χ^2/NDF:1177.1/39

Out: 0.562+/-0.004 χ^2/NDF:2472.0/44

All: 0.558+/-0.003 χ^2/NDF: 3652.3/84



Right In: -19.597+/-0.683 χ^2/NDF: 127.5/16

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -21.728+/-0.709 χ^2/NDF: 388.4/19

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

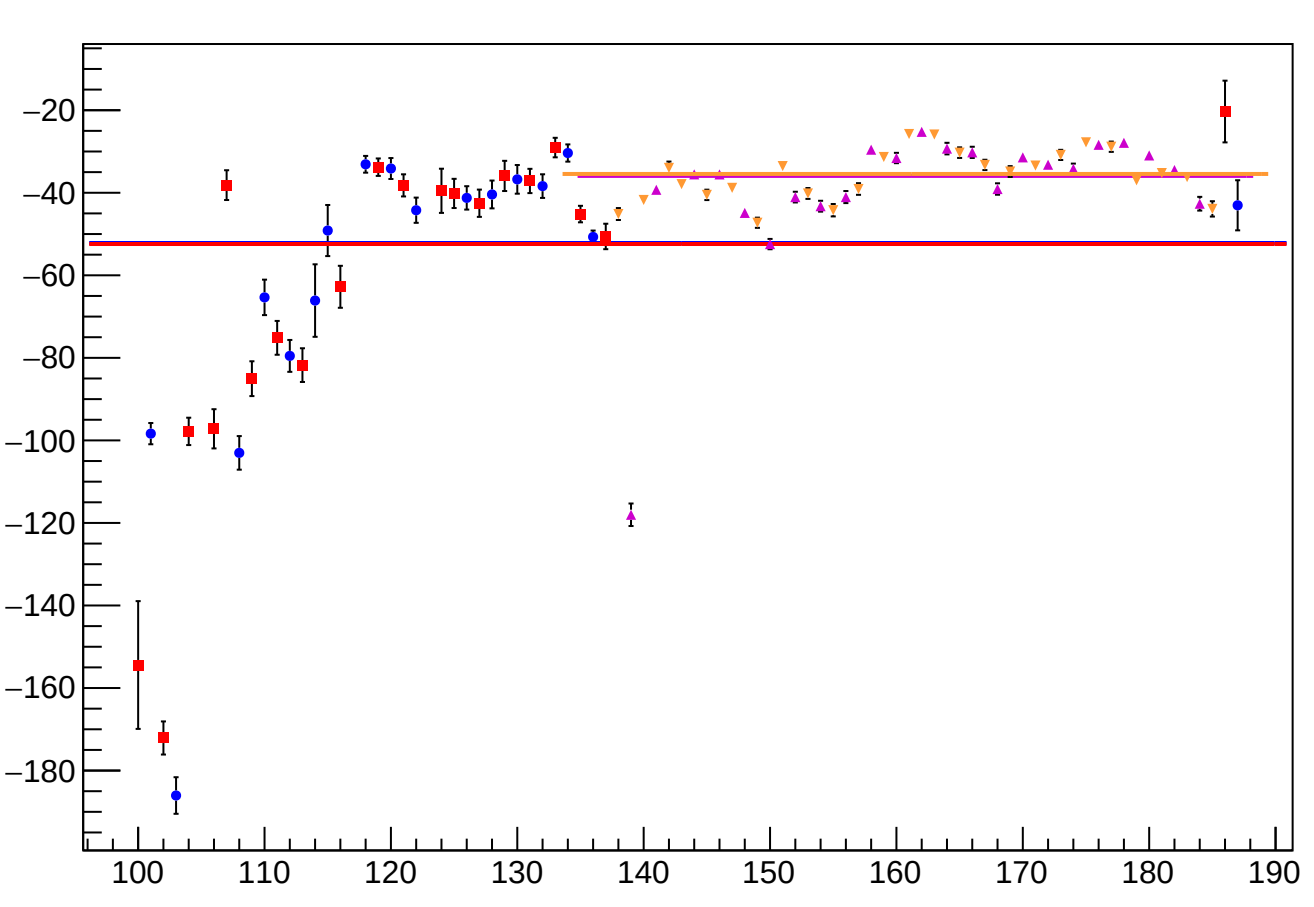
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -20.624+/-0.492 χ^2/NDF: 520.6/36

In: -32.759+/-0.292 χ^2/NDF:1160.8/39

Out: -34.312+/-0.284 χ^2/NDF:1185.1/44

All: -33.557+/-0.204 χ^2/NDF: 2360.4/84



Right In: -52.172+/-0.703 χ^2/NDF: 1780.5/16

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -52.416+/-0.745 χ^2/NDF: 1681.2/19

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

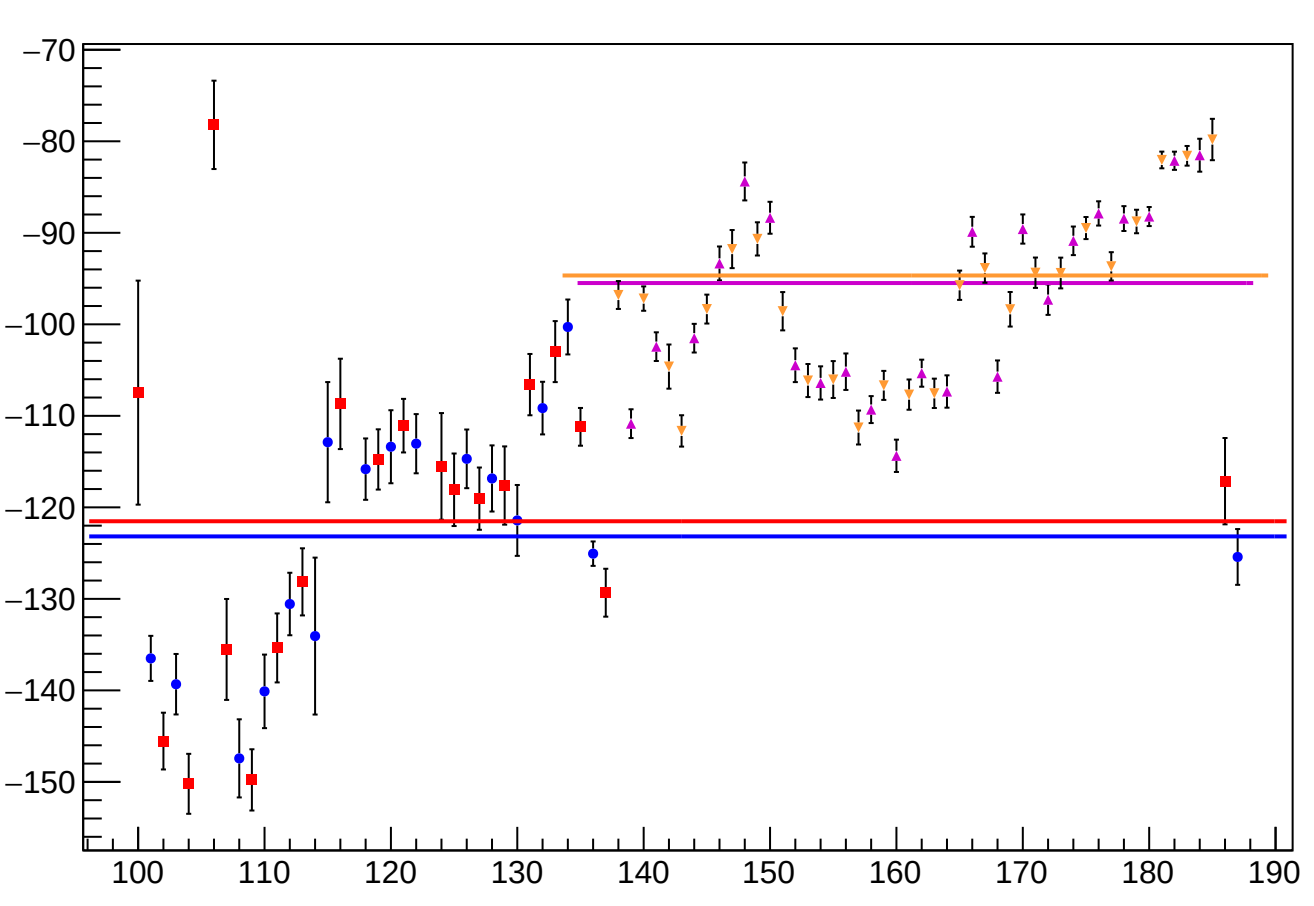
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -52.287+/-0.511 χ^2/NDF: 3461.7/36

In: -37.817+/-0.241 χ^2/NDF:3795.4/39

Out: -37.099+/-0.233 χ^2/NDF:2688.0/44

All: -37.446+/-0.167 χ^2/NDF: 6488.0/84



Right In: -123.175+/-0.728 χ^2/NDF: 227.4/16

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -121.519+/-0.790 χ^2/NDF: 425.4/19

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

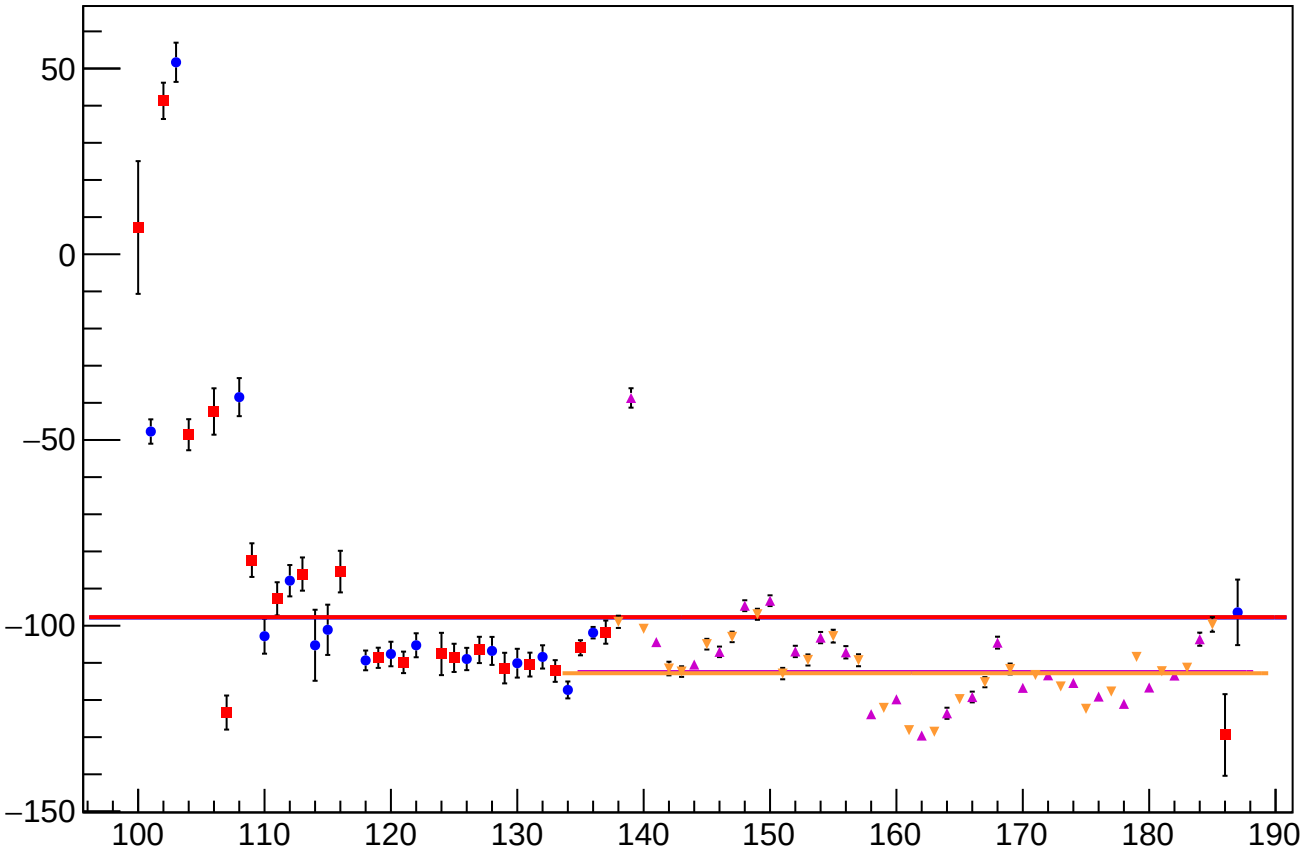
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -122.414+/-0.535 χ^2/NDF: 655.2/36

In: -99.997+/-0.294 χ^2/NDF:2407.3/39

Out: -98.244+/-0.288 χ^2/NDF:2327.3/44

All: -99.104+/-0.206 χ^2/NDF: 4752.8/84



Right In: -97.803+/-0.790 χ^2/NDF: 1330.8/16

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -97.690+/-0.840 χ^2/NDF: 1244.8/19

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

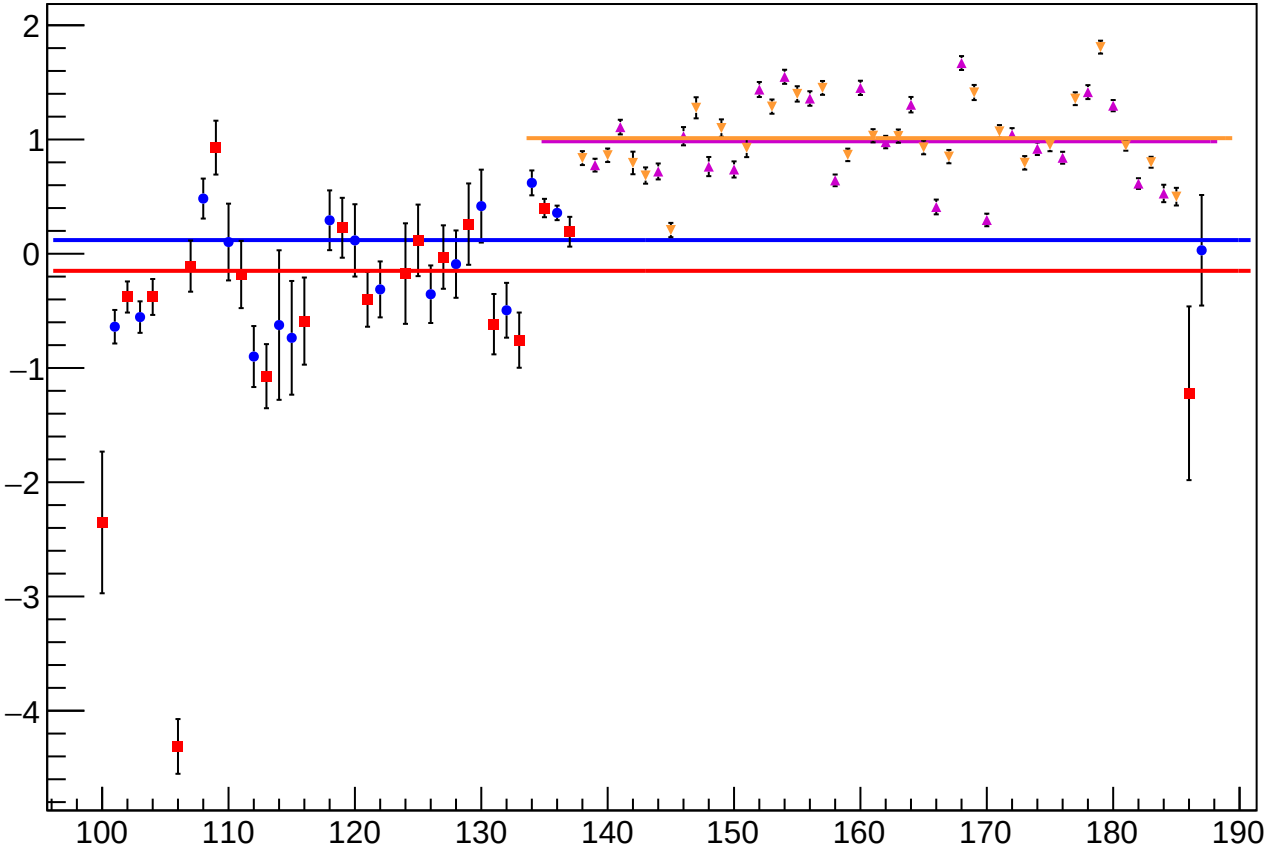
Right: -97.750+/-0.575 χ^2/NDF: 2575.7/36

In: -110.778+/-0.268 χ^2/NDF:3424.4/39

Out: -111.342+/-0.261 χ^2/NDF:2473.3/44

All: -111.068+/-0.187 χ^2/NDF: 5900.0/84

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/16

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.150+/-0.045 χ^2/NDF: 423.0/19

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

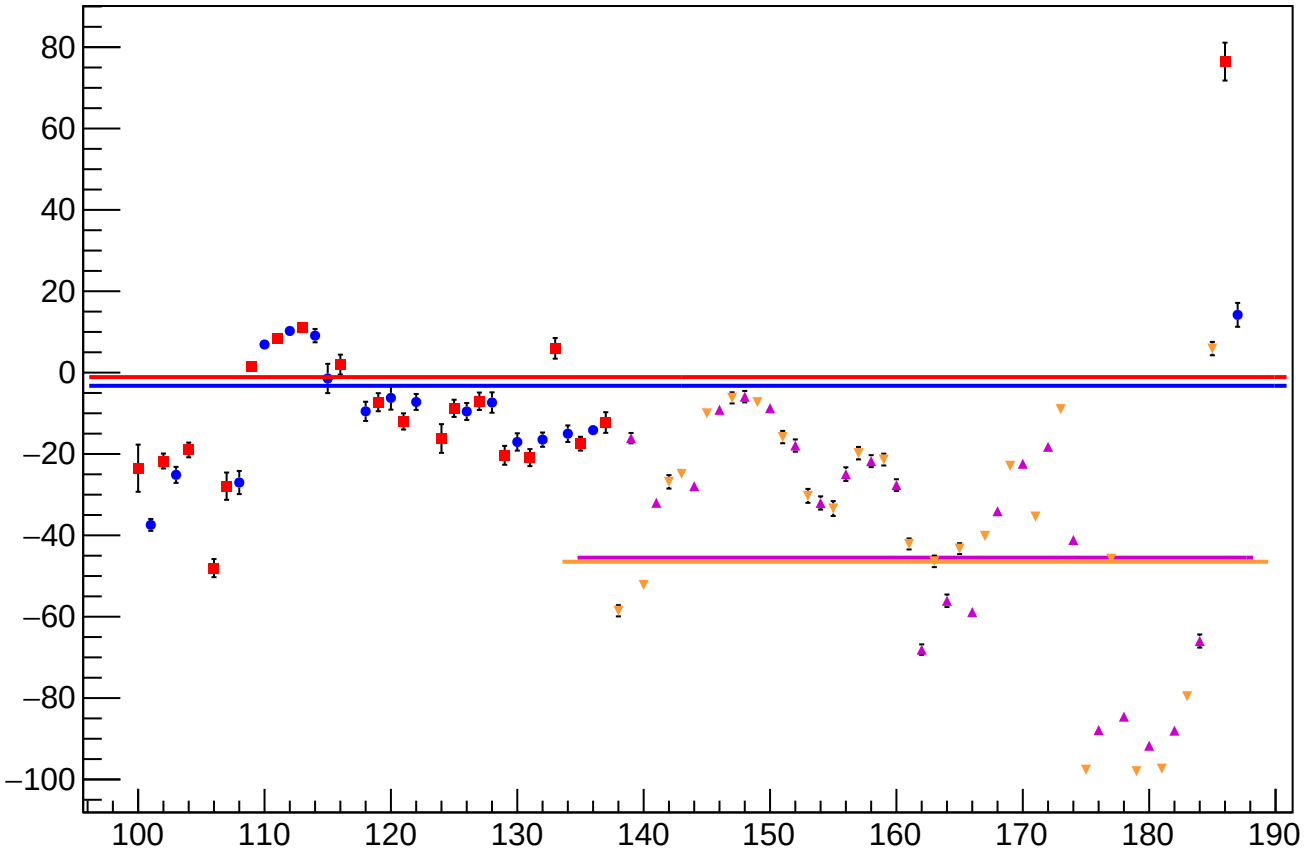
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: -0.003+/-0.030 χ^2/NDF: 566.5/36

In: 0.910+/-0.012 χ^2/NDF:1429.4/39

Out: 0.931+/-0.012 χ^2/NDF:1739.3/44

All: 0.921+/-0.008 χ^2/NDF: 3170.2/84



Right In: -3.241+/-0.374 χ^2/NDF: 1565.0/16

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -1.103+/-0.338 χ^2/NDF: 1803.8/19

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

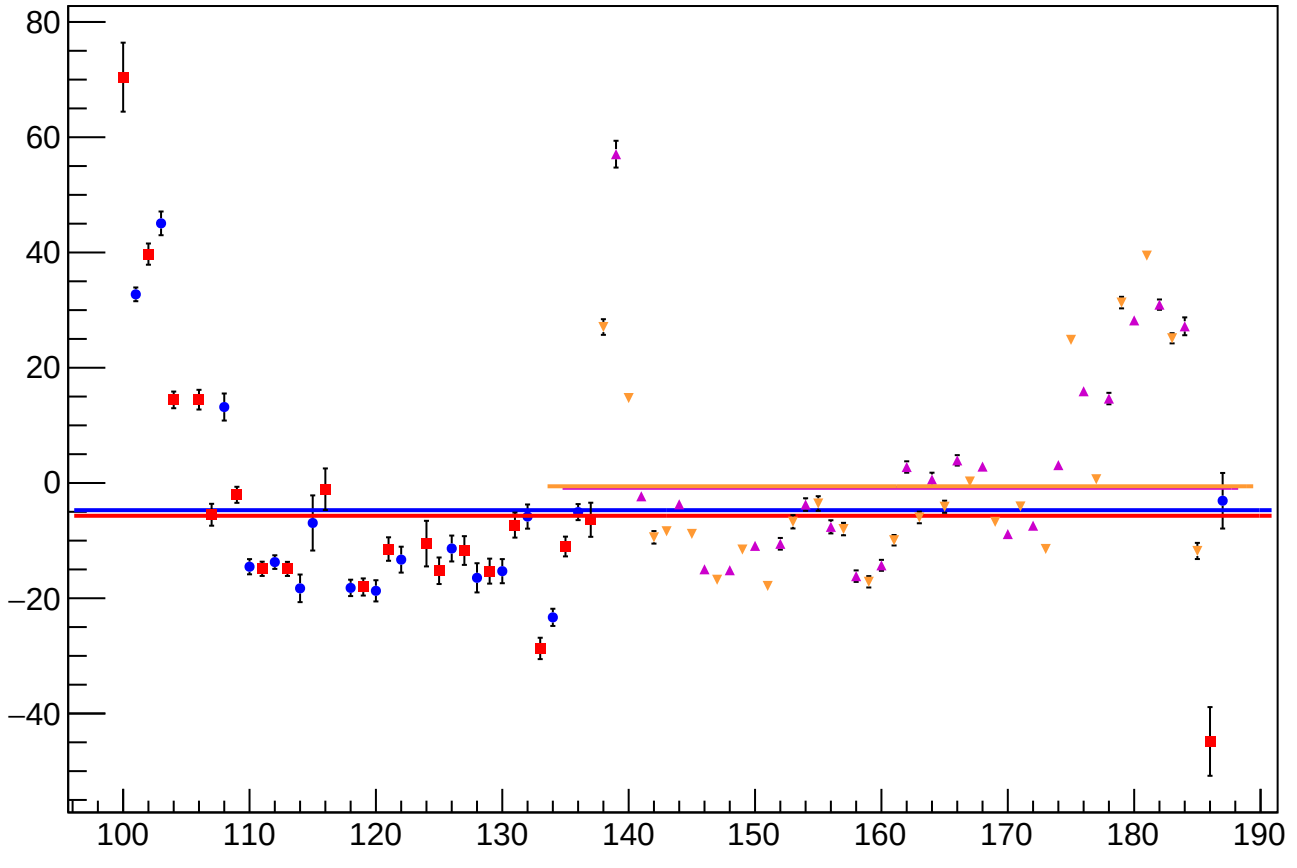
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -2.064+/-0.250 χ^2/NDF: 3386.8/36

In: -33.319+/-0.201 χ^2/NDF:26235.0/39

Out: -32.094+/-0.190 χ^2/NDF:34196.0/44

All: -32.674+/-0.138 χ^2/NDF: 60450.6/84



Right In: -4.716+/-0.429 χ^2/NDF: 2148.1/16

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -5.687+/-0.421 χ^2/NDF: 1551.9/19

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

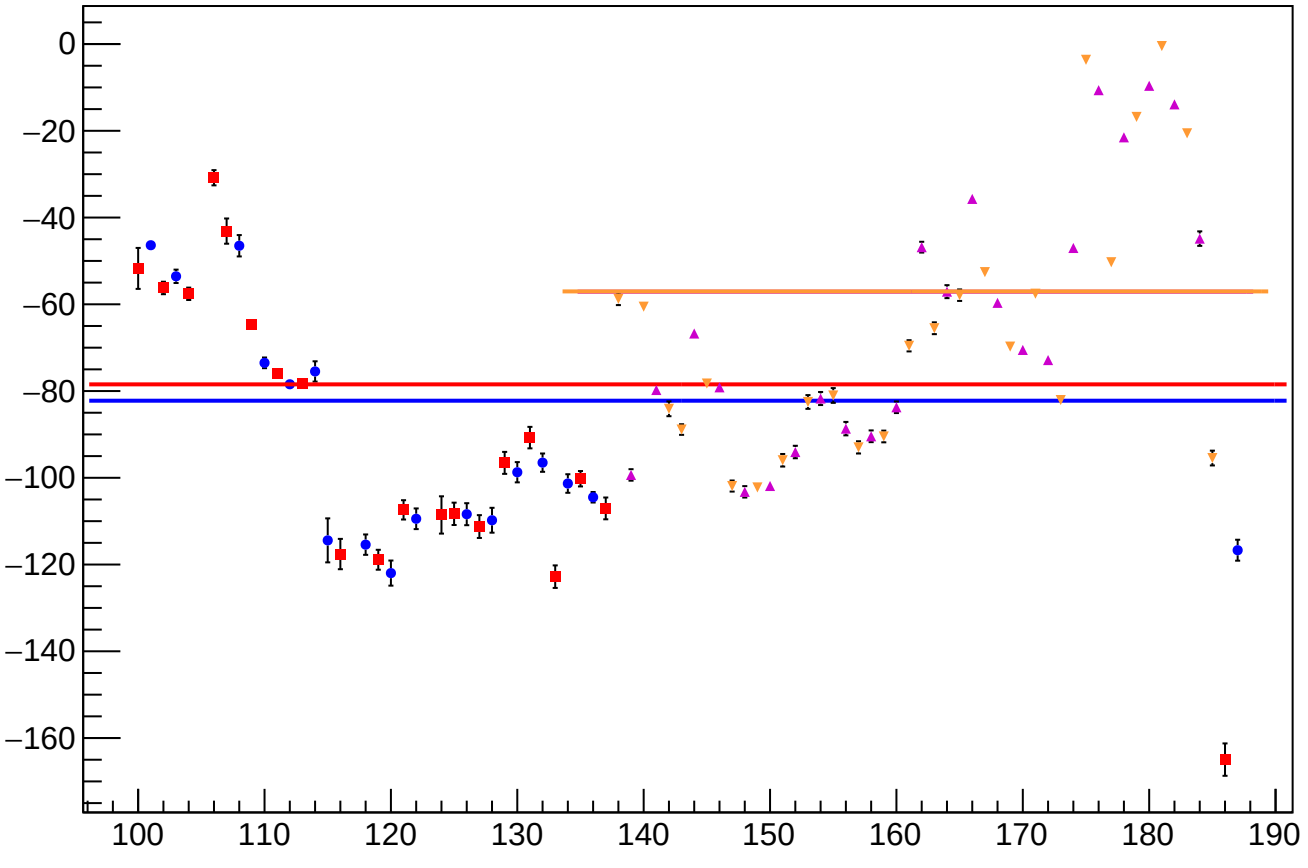
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -5.211+/-0.301 χ^2/NDF: 3702.6/36

In: -1.427+/-0.168 χ^2/NDF:8334.1/39

Out: -1.342+/-0.163 χ^2/NDF:10128.8/44

All: -1.383+/-0.117 χ^2/NDF: 18463.0/84



Right In: -82.228+/-0.431 χ^2/NDF: 3080.8/16

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -78.458+/-0.414 χ^2/NDF: 3673.7/19

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

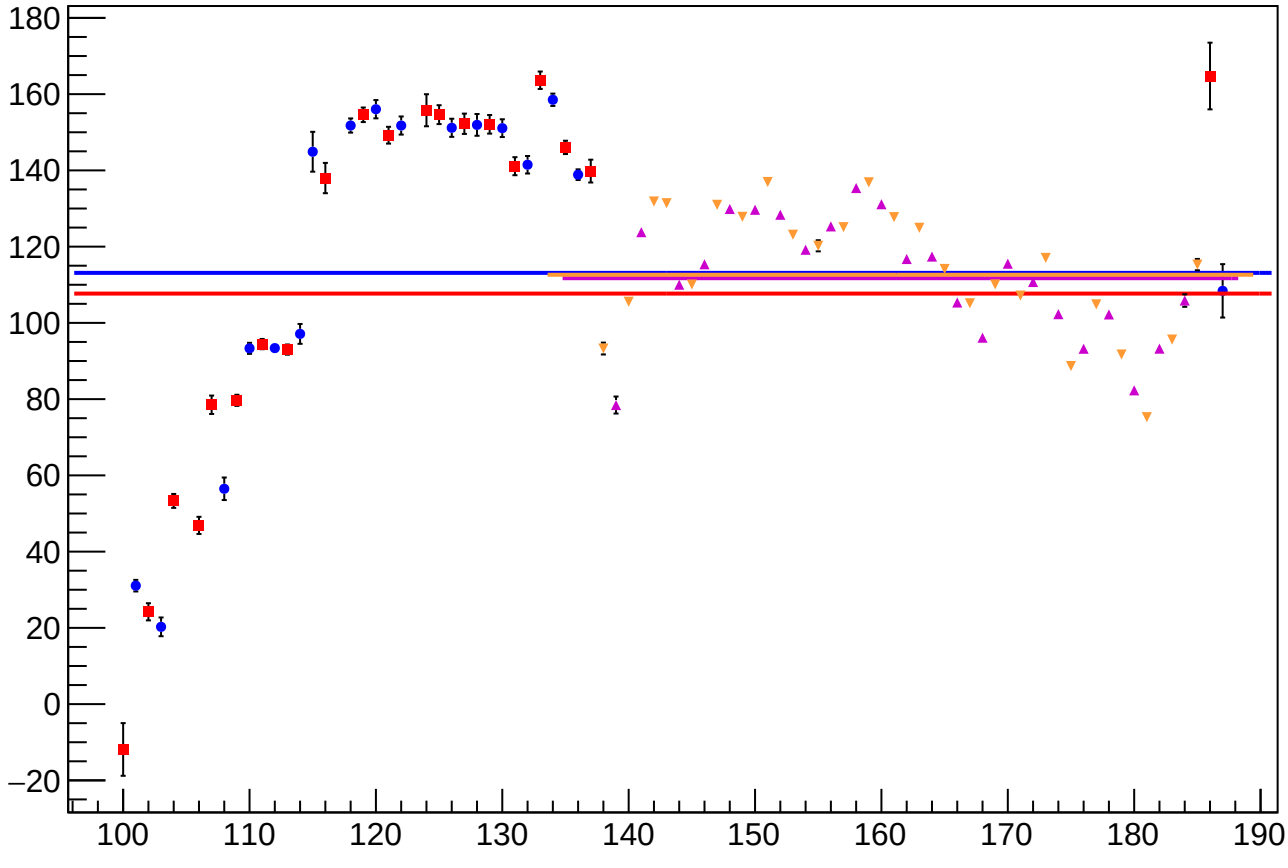
Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

Right: -80.267+/-0.299 χ^2/NDF: 6794.2/36

In: -62.905+/-0.207 χ^2/NDF:22859.3/39

Out: -62.074+/-0.201 χ^2/NDF:26028.9/44

All: -62.476+/-0.144 χ^2/NDF: 48896.5/84



Right In: 113.120+/-0.488 χ^2/NDF: 8204.5/16

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 107.686+/-0.479 χ^2/NDF: 7586.7/19

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

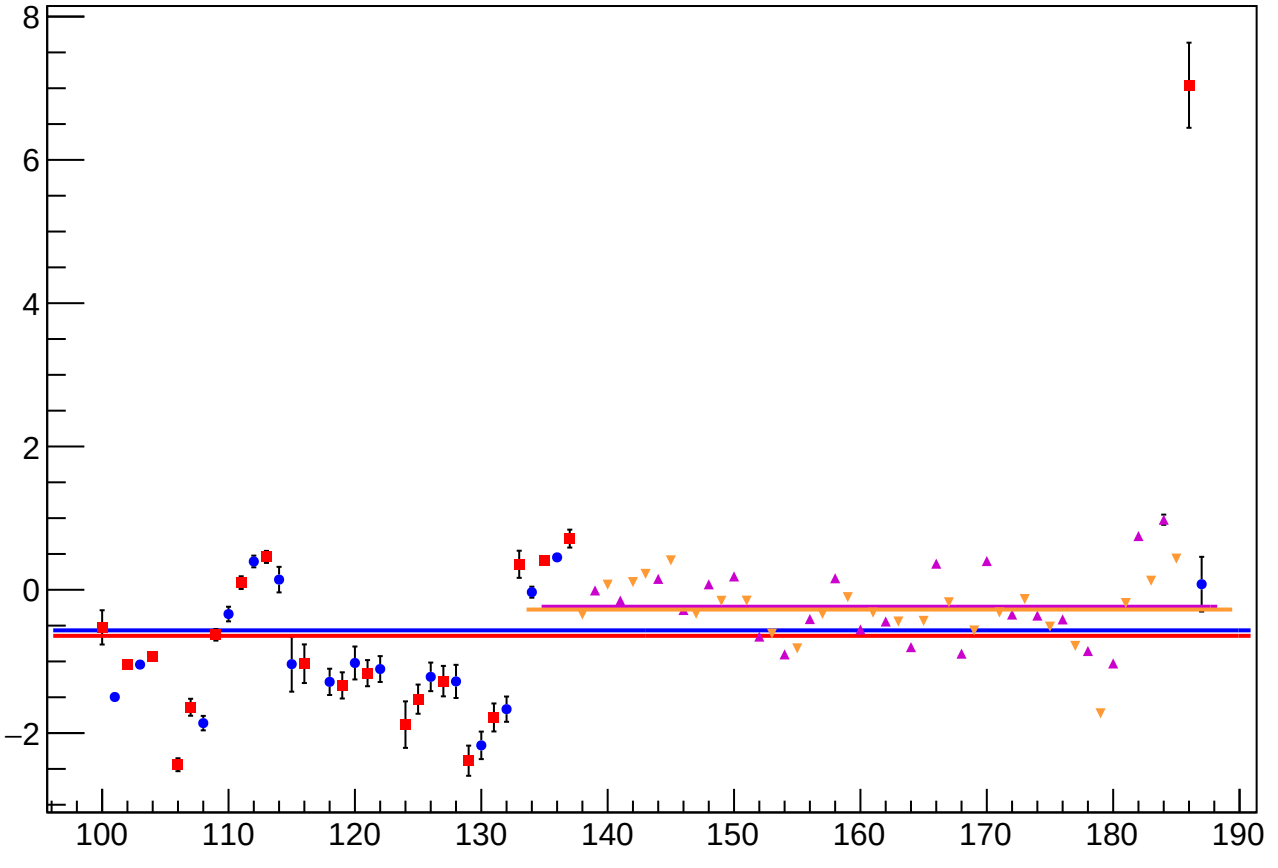
Right: 110.352+/-0.342 χ^2/NDF: 15854.5/36

In: 111.932+/-0.190 χ^2/NDF:13108.3/39

Out: 111.891+/-0.184 χ^2/NDF:14385.3/44

All: 111.911+/-0.132 χ^2/NDF: 27493.7/84

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.566+/-0.026 χ^2/NDF: 1100.3/16

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.643+/-0.025 χ^2/NDF: 1482.8/19

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

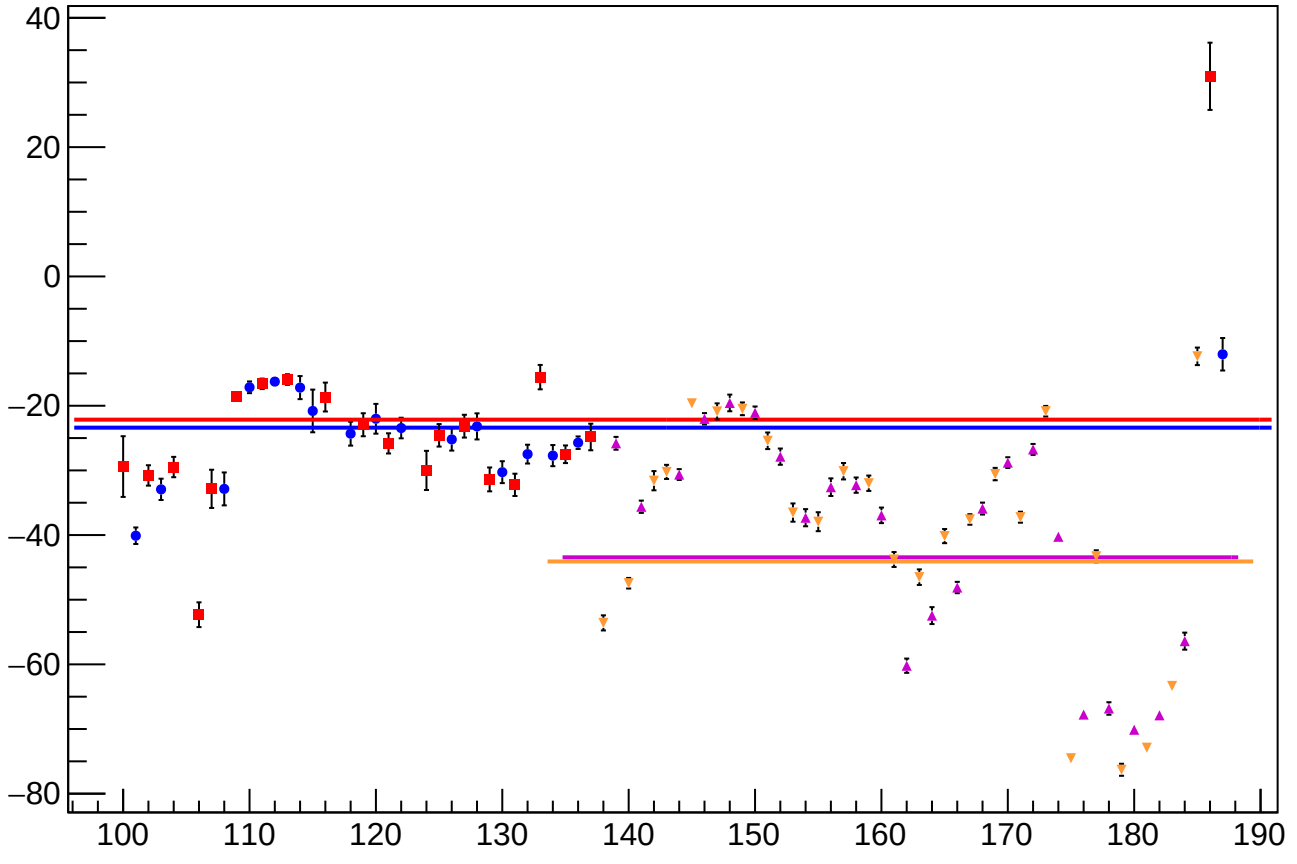
Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

Right: -0.605+/-0.018 χ^2/NDF: 2587.6/36

In: -0.274+/-0.009 χ^2/NDF:4207.2/39

Out: -0.317+/-0.008 χ^2/NDF:3793.3/44

All: -0.296+/-0.006 χ^2/NDF: 8013.4/84



Right In: -23.389+/-0.345 χ^2/NDF: 427.2/16

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.151+/-0.321 χ^2/NDF: 656.4/19

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

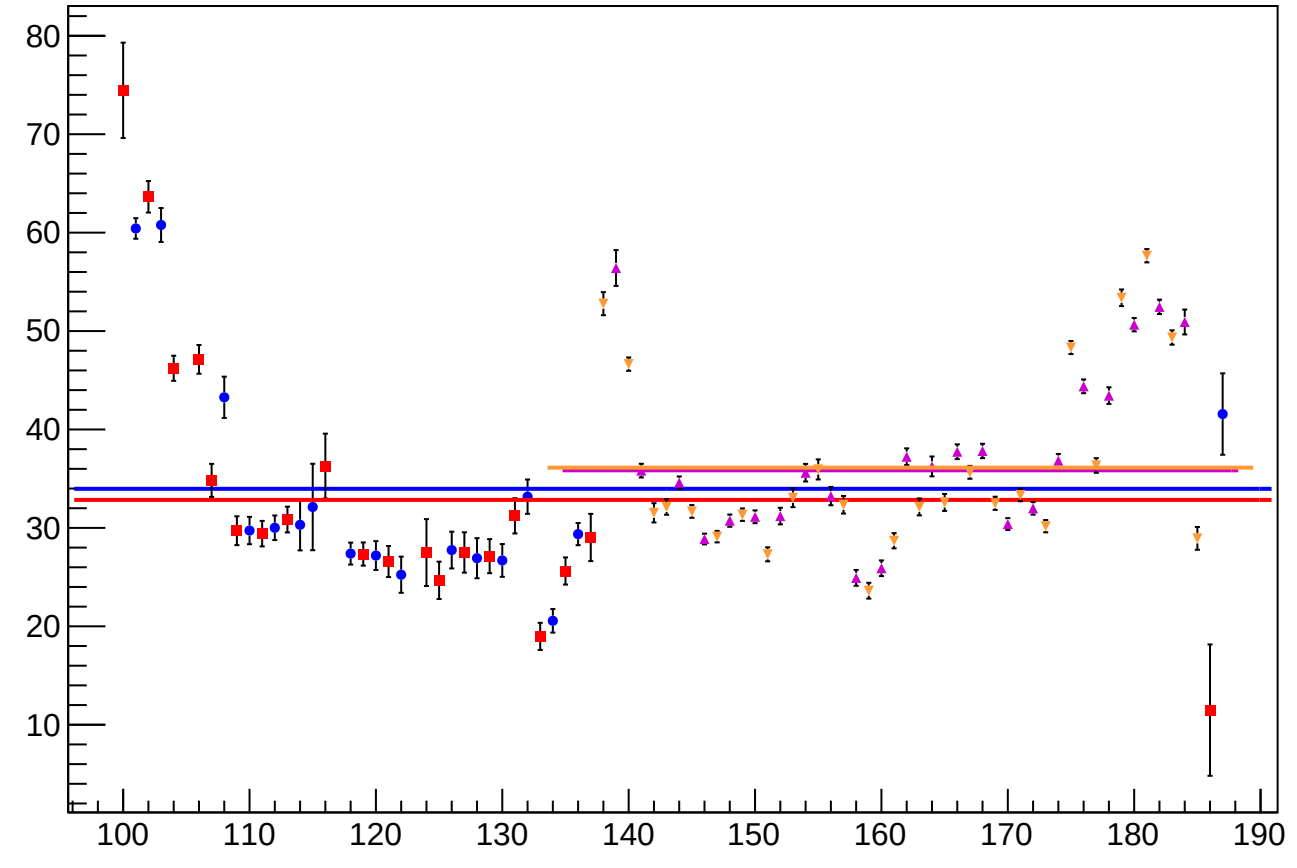
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -22.726+/-0.235 χ^2/NDF: 1090.5/36

In: -38.448+/-0.172 χ^2/NDF:10785.2/39

Out: -38.266+/-0.165 χ^2/NDF:14424.2/44

All: -38.353+/-0.119 χ^2/NDF: 25210.0/84



Right In: 33.972+/-0.374 χ^2/NDF: 1187.8/16

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 32.845+/-0.372 χ^2/NDF: 885.2/19

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

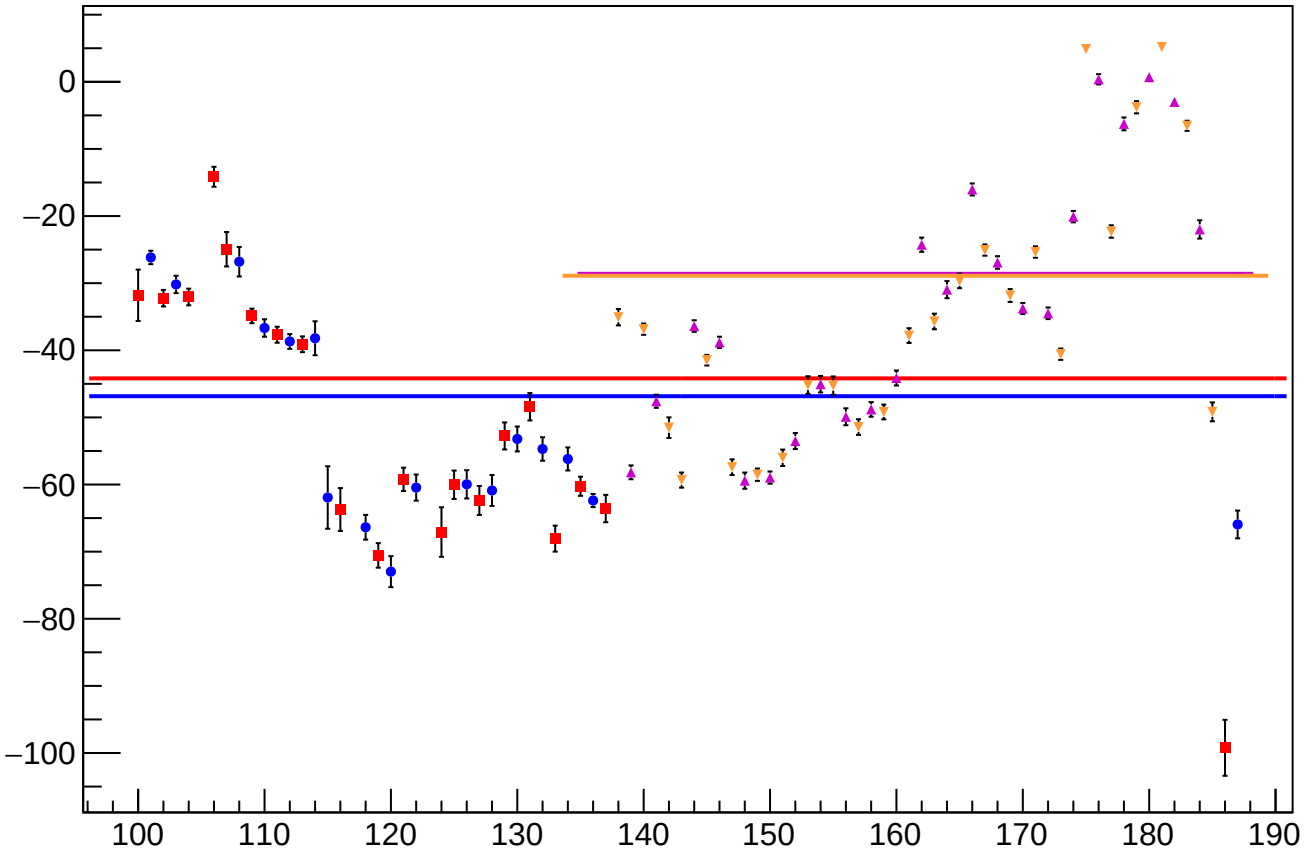
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 33.406+/-0.264 χ^2/NDF: 2077.6/36

In: 35.576+/-0.143 χ^2/NDF:3502.9/39

Out: 35.665+/-0.139 χ^2/NDF:4510.6/44

All: 35.622+/-0.100 χ^2/NDF: 8013.7/84



Right In: -46.841+/-0.383 χ^2/NDF: 1578.3/16

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -44.183+/-0.377 χ^2/NDF: 1839.0/19

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

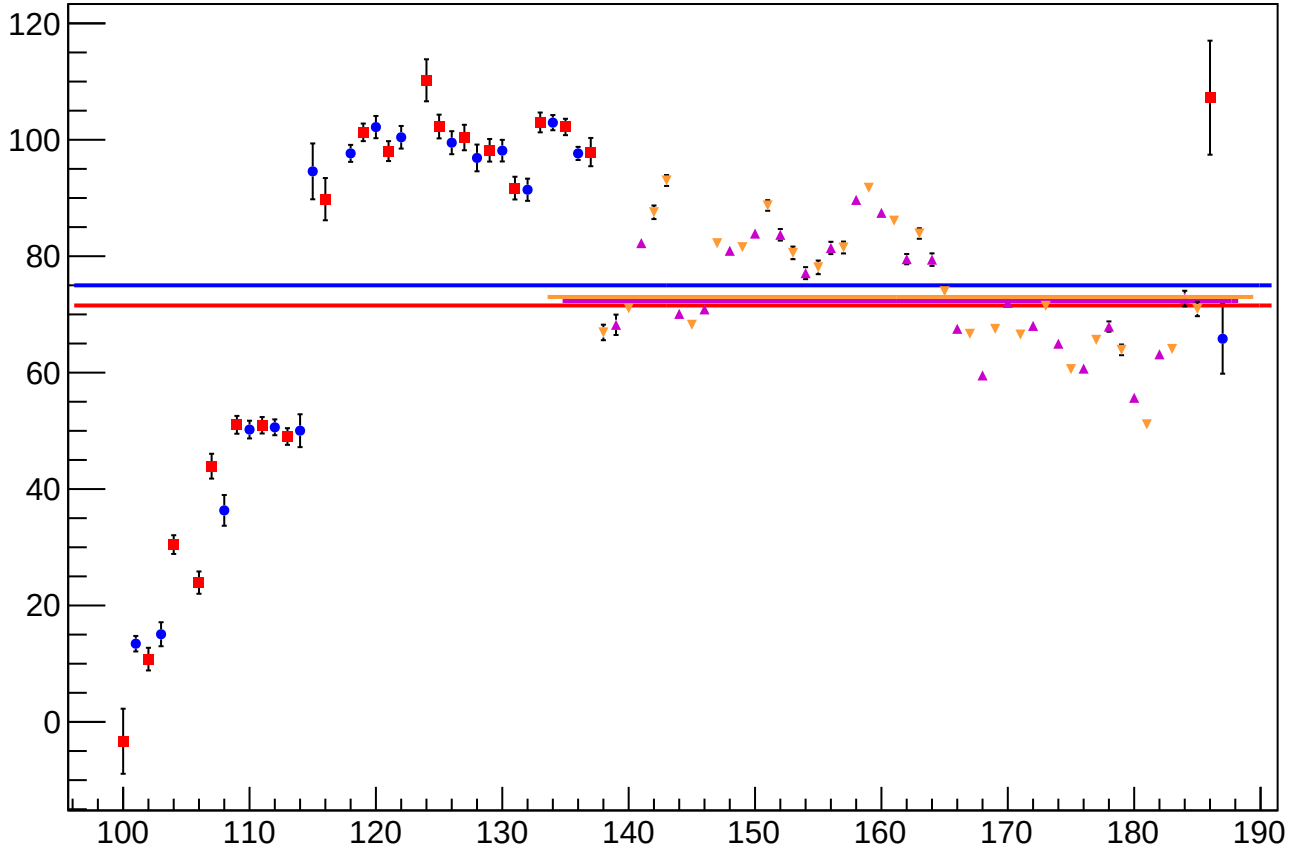
Right: -45.490+/-0.269 χ^2/NDF: 3441.7/36

In: -32.443+/-0.176 χ^2/NDF:13382.4/39

Out: -32.064+/-0.172 χ^2/NDF:14943.2/44

All: -32.249+/-0.123 χ^2/NDF: 28327.9/84

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 74.996+/-0.426 χ^2/NDF: 5830.6/16

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 71.536+/-0.425 χ^2/NDF: 5641.5/19

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

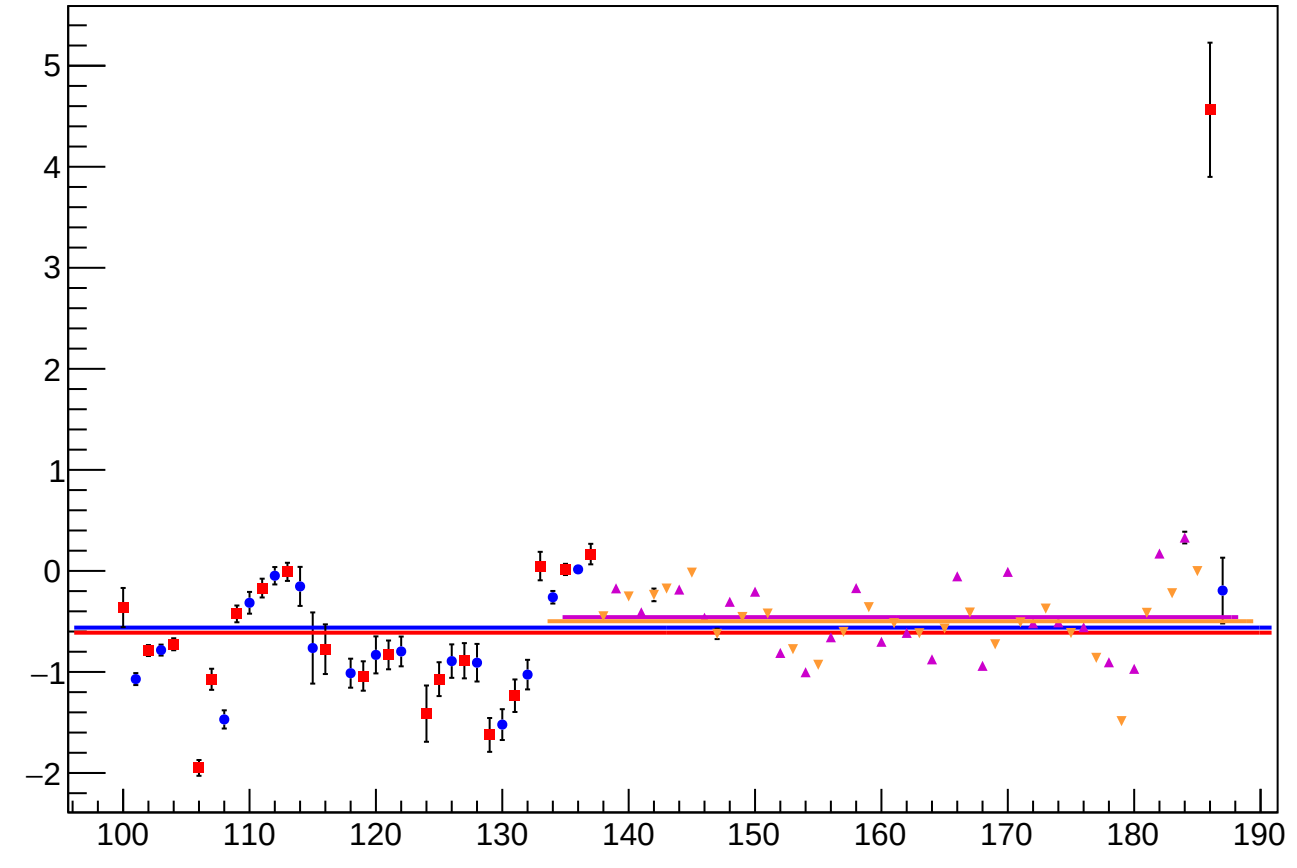
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 73.261+/-0.301 χ^2/NDF: 11505.1/36

In: 72.685+/-0.161 χ^2/NDF:8777.5/39

Out: 72.803+/-0.157 χ^2/NDF:9704.2/44

All: 72.745+/-0.112 χ^2/NDF: 18481.9/84



Right In: -0.561+/-0.022 χ^2/NDF: 494.3/16

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.611+/-0.022 χ^2/NDF: 750.8/19

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

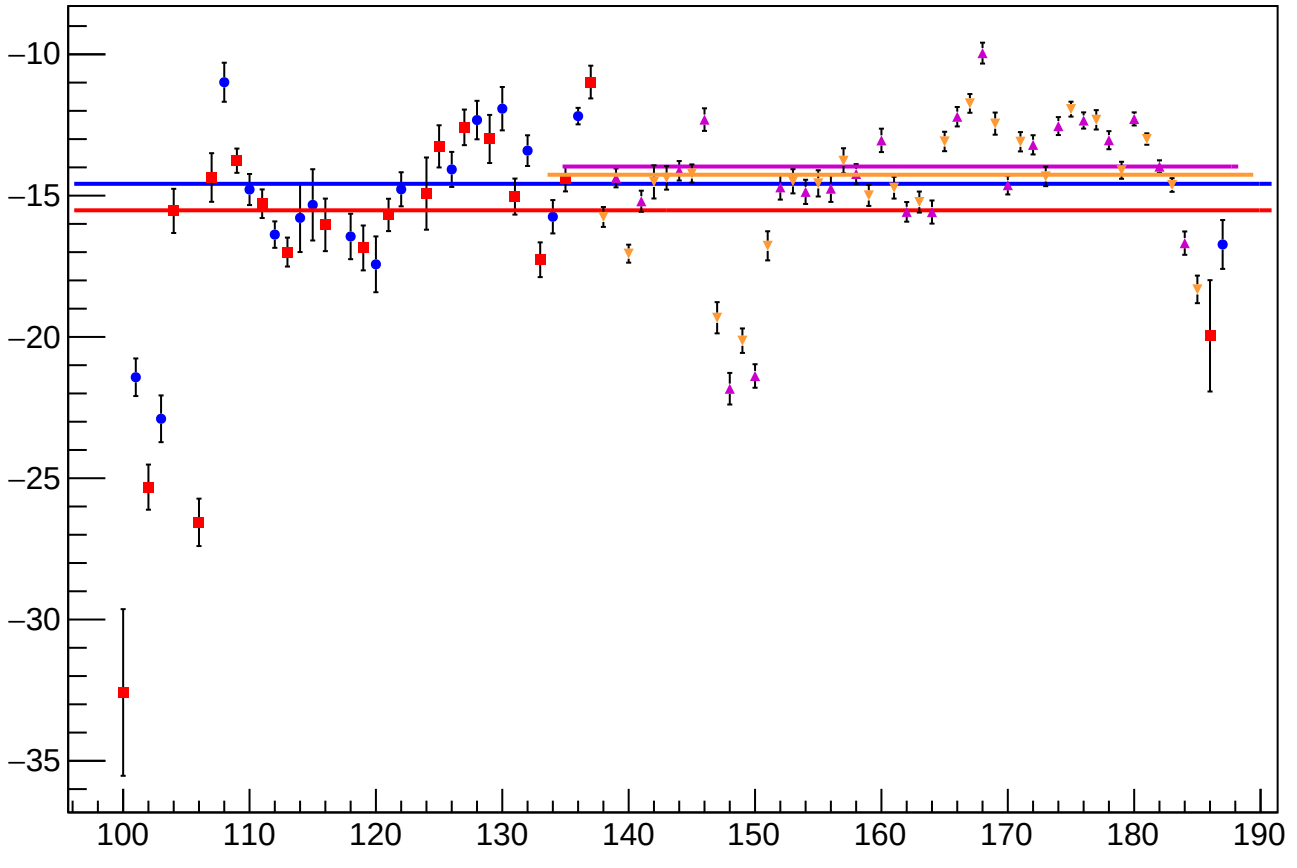
Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

Right: -0.586+/-0.016 χ^2/NDF: 1247.7/36

In: -0.469+/-0.007 χ^2/NDF:2616.8/39

Out: -0.510+/-0.007 χ^2/NDF:2257.1/44

All: -0.490+/-0.005 χ^2/NDF: 4890.4/84



Right In: -14.582+/-0.147 χ^2/NDF: 369.7/16

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.520+/-0.150 χ^2/NDF: 509.0/19

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

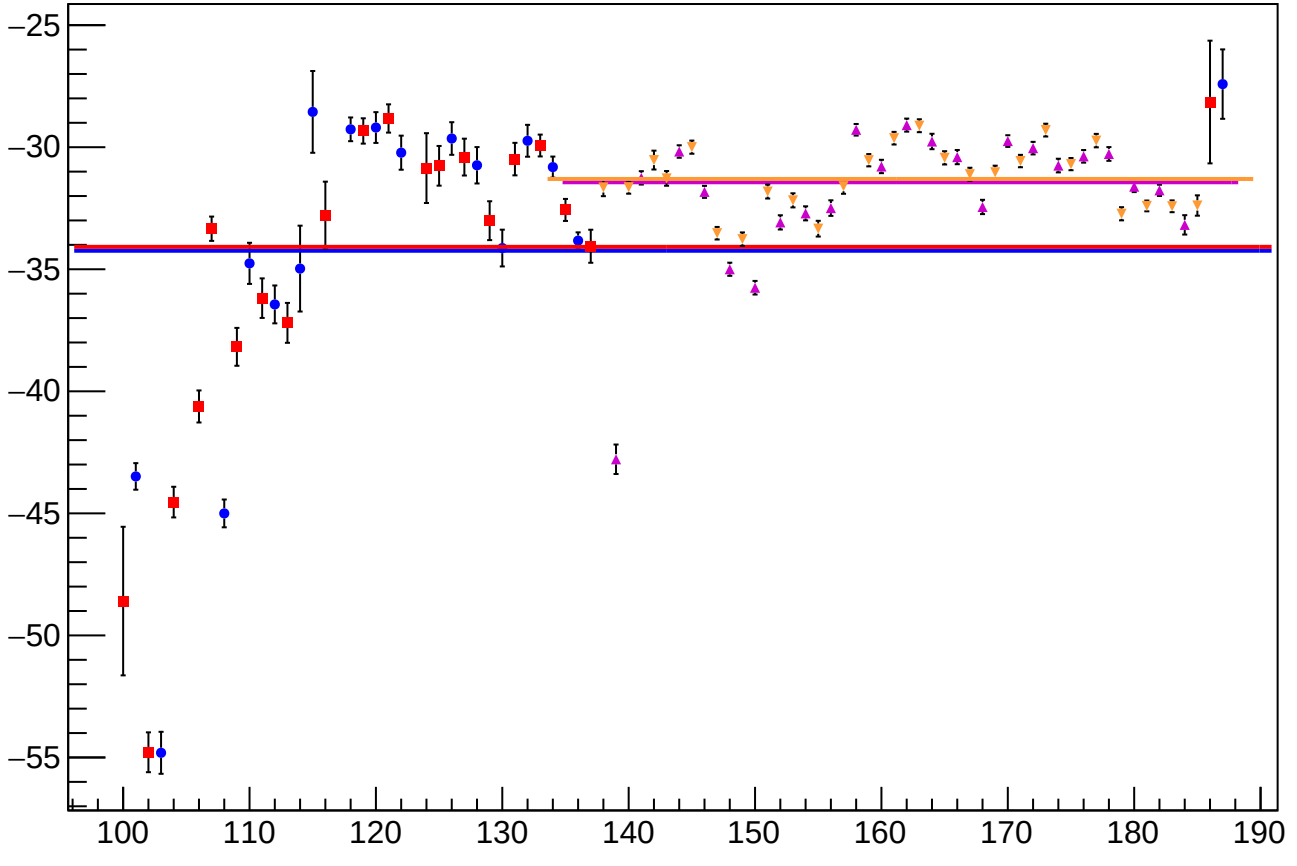
Right: -15.044+/-0.105 χ^2/NDF: 898.6/36

In: -14.088+/-0.065 χ^2/NDF:1291.4/39

Out: -14.485+/-0.063 χ^2/NDF:1291.2/44

All: -14.291+/-0.045 χ^2/NDF: 2602.0/84

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.241+/-0.152 χ^2/NDF: 1643.9/16

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.081+/-0.154 χ^2/NDF: 1440.4/19

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

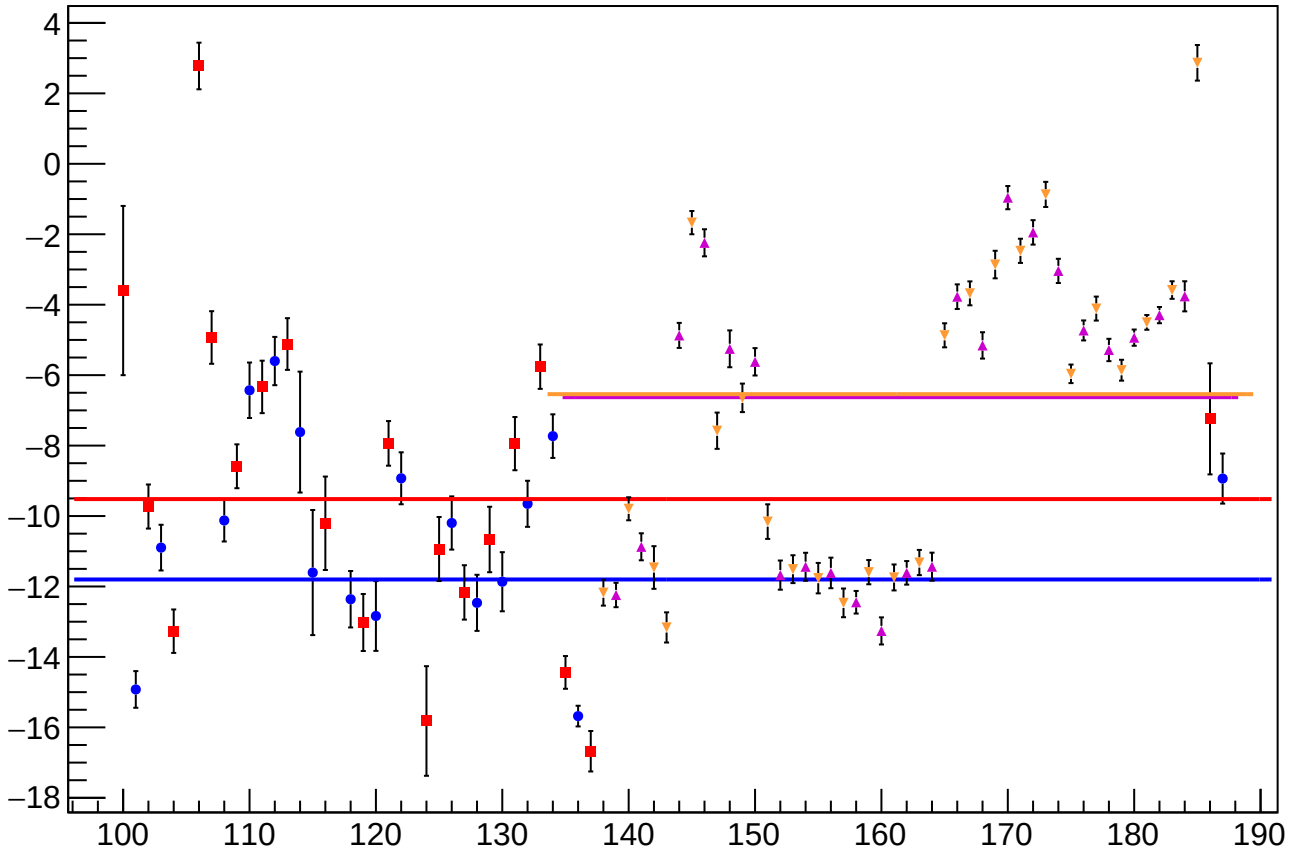
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -34.162+/-0.108 χ^2/NDF: 3084.8/36

In: -31.784+/-0.054 χ^2/NDF:3155.6/39

Out: -31.618+/-0.052 χ^2/NDF:2282.9/44

All: -31.698+/-0.037 χ^2/NDF: 5443.4/84



Right In: -11.801+/-0.156 χ^2/NDF: 447.1/16

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.519+/-0.164 χ^2/NDF: 849.2/19

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

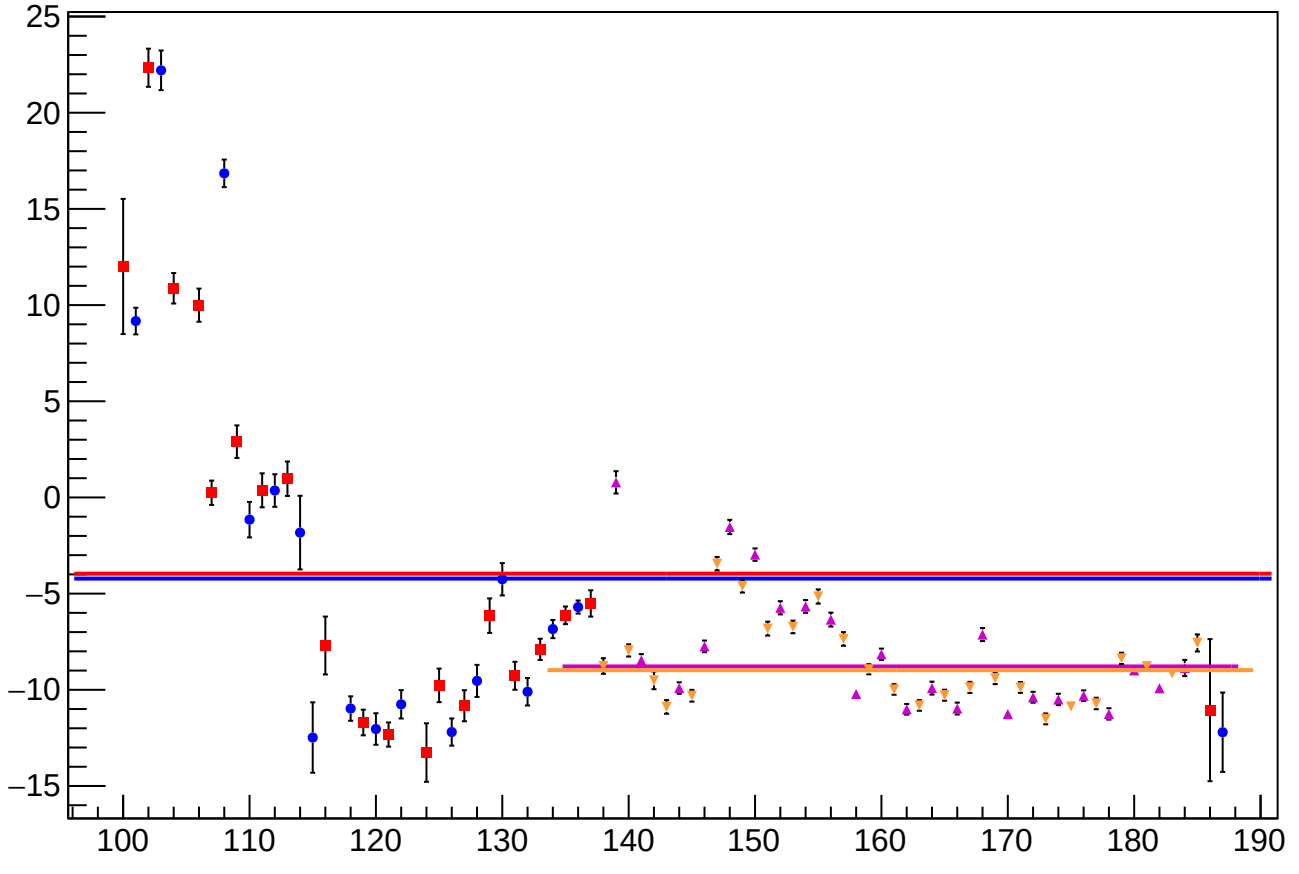
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -10.717+/-0.113 χ^2/NDF: 1397.7/36

In: -7.520+/-0.065 χ^2/NDF:4263.0/39

Out: -6.992+/-0.064 χ^2/NDF:4370.5/44

All: -7.252+/-0.046 χ^2/NDF: 8667.0/84



Right In: -4.218+/-0.171 χ^2/NDF: 2540.1/16

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.963+/-0.176 χ^2/NDF: 2113.9/19

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

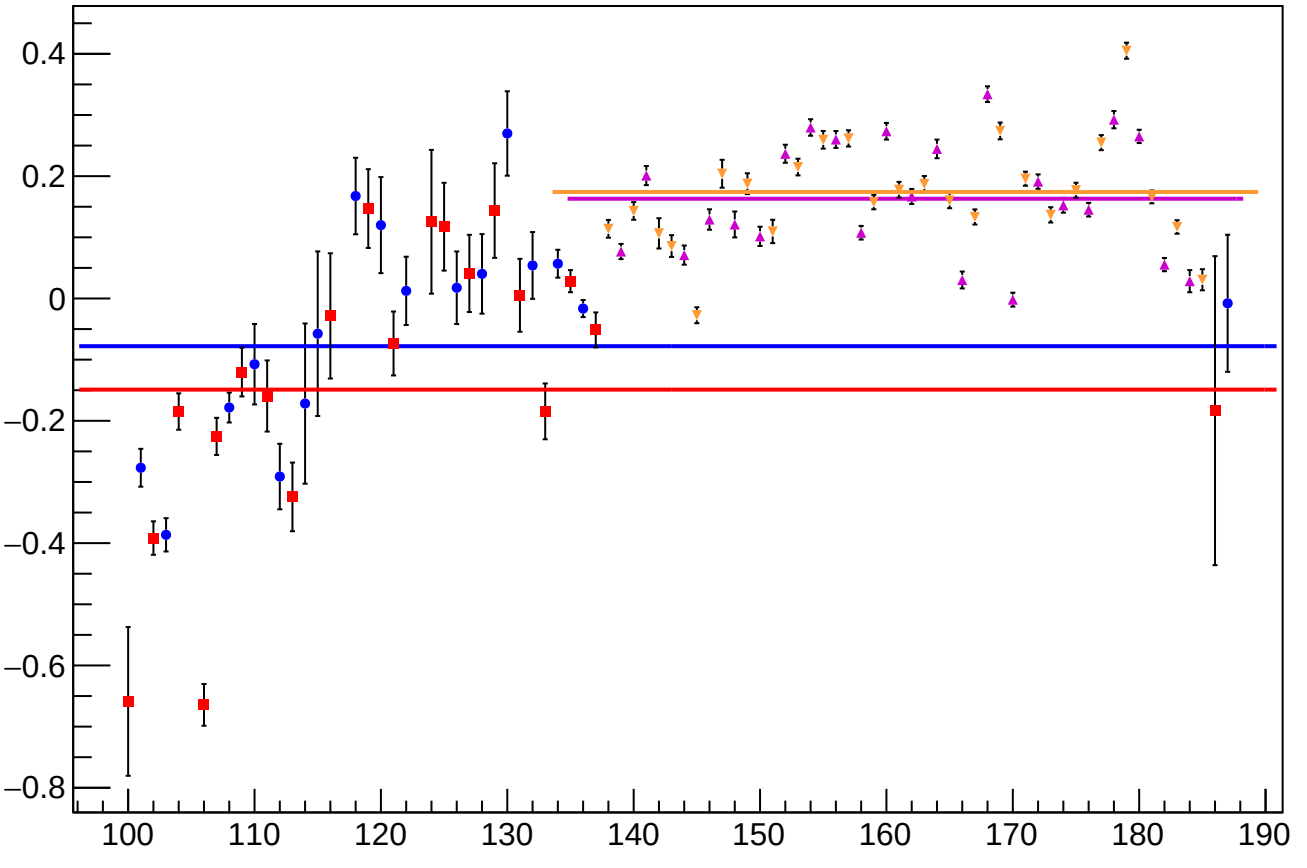
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -4.094+/-0.123 χ^2/NDF: 4655.1/36

In: -8.235+/-0.059 χ^2/NDF:4850.0/39

Out: -8.431+/-0.058 χ^2/NDF:3810.7/44

All: -8.336+/-0.042 χ^2/NDF: 8666.3/84



Right In: -0.078+/-0.009 χ^2/NDF: 319.2/16

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/19

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

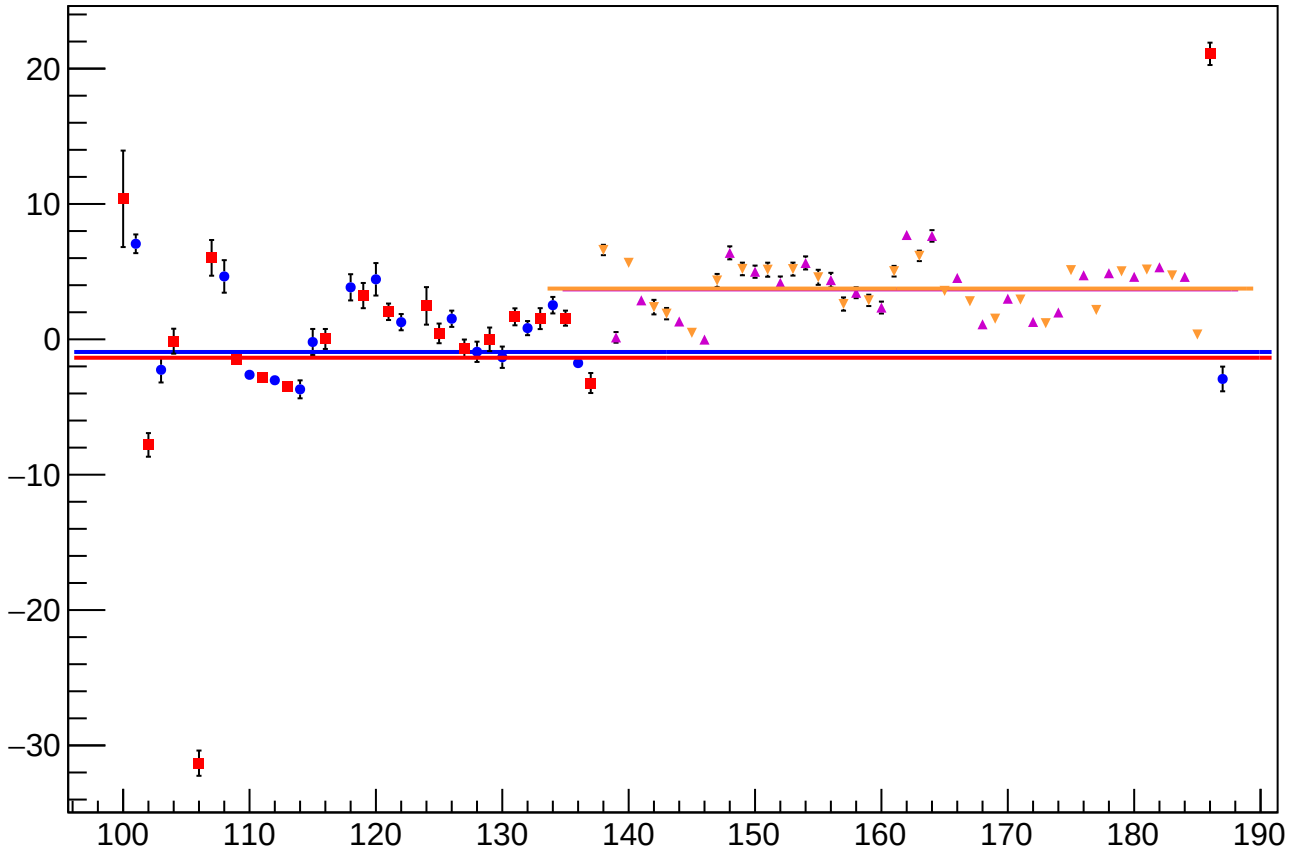
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.111+/-0.006 χ^2/NDF: 876.5/36

In: 0.140+/-0.003 χ^2/NDF:2234.4/39

Out: 0.147+/-0.003 χ^2/NDF:2612.7/44

All: 0.144+/-0.002 χ^2/NDF: 4850.9/84



Right In: -0.934+/-0.135 χ^2/NDF: 385.1/16

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -1.360+/-0.127 χ^2/NDF: 2089.3/19

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

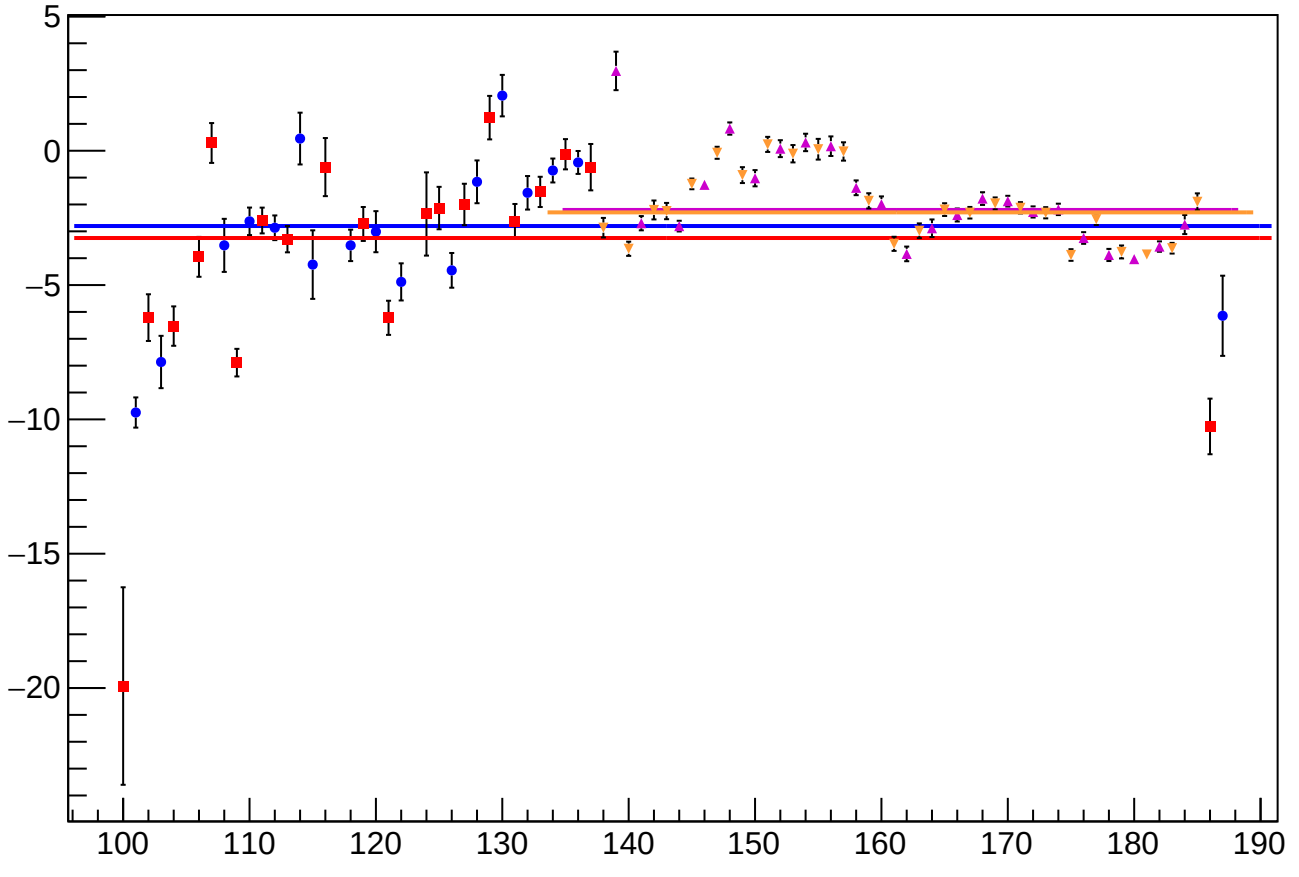
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -1.161+/-0.092 χ^2/NDF: 2479.7/36

In: 2.843+/-0.058 χ^2/NDF:2295.0/39

Out: 2.765+/-0.056 χ^2/NDF:4209.5/44

All: 2.803+/-0.040 χ^2/NDF: 6505.4/84



Right In: -2.802+/-0.155 χ^2/NDF: 315.1/16

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -3.249+/-0.156 χ^2/NDF: 319.5/19

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

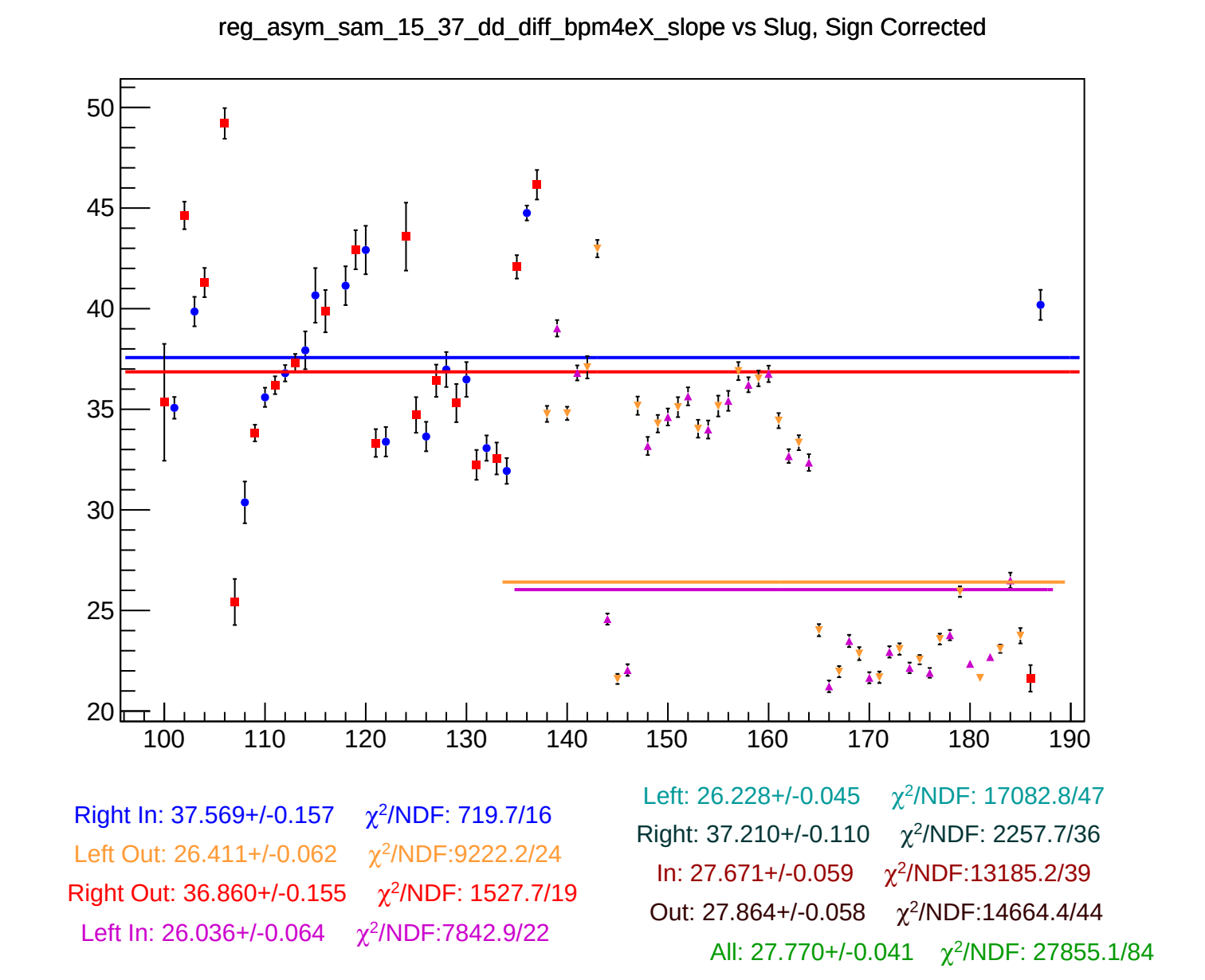
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -3.025+/-0.110 χ^2/NDF: 638.7/36

In: -2.262+/-0.048 χ^2/NDF:1053.2/39

Out: -2.382+/-0.047 χ^2/NDF:985.0/44

All: -2.323+/-0.034 χ^2/NDF: 2041.4/84


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
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35
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100
110
120
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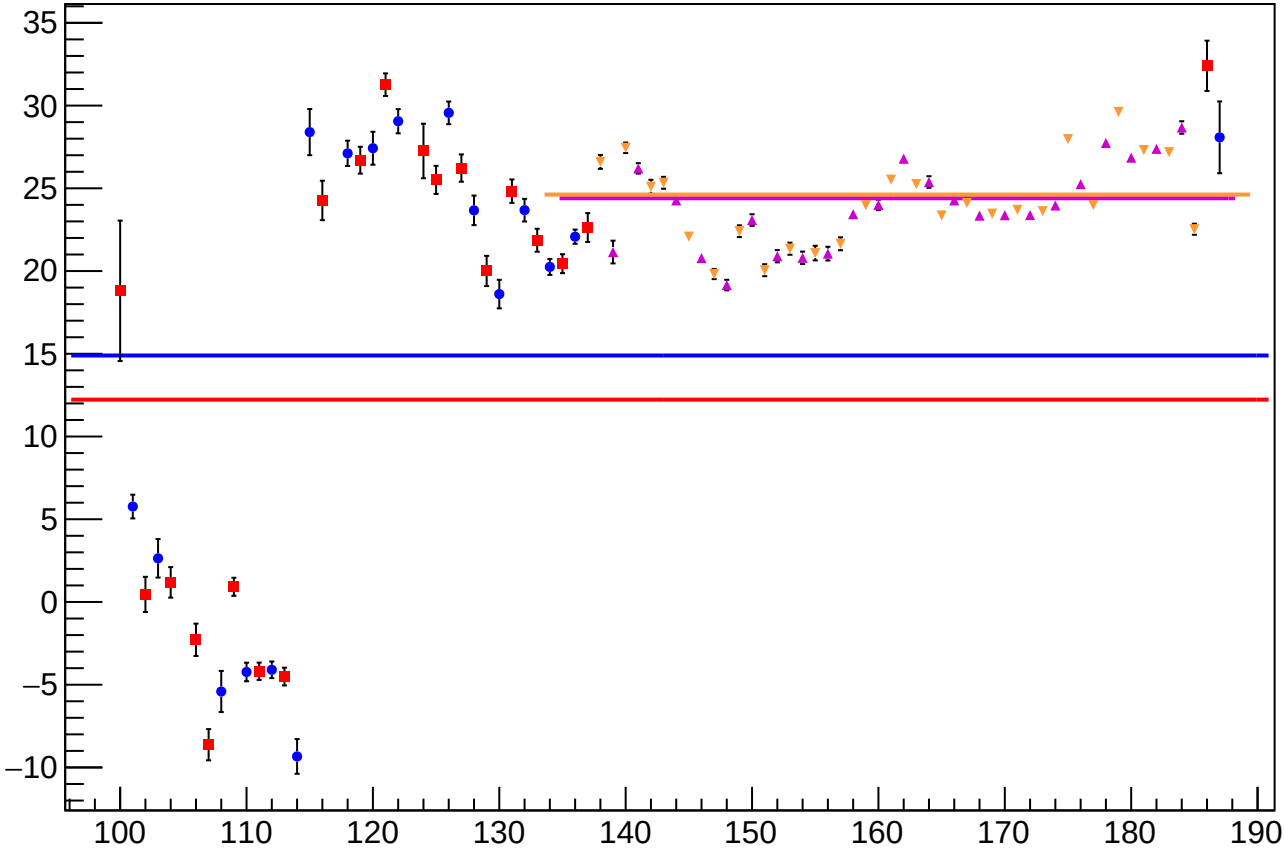
140
150
160
170
180
190
Right In: 37.569+/-0.157 χ²/NDF: 719.7/16
Left Out: 26.411+/-0.062 χ²/NDF:9222.2/24
Right Out: 36.860+/-0.155 χ²/NDF: 1527.7/19
Left In: 26.036+/-0.064 χ²/NDF:7842.9/22
Left: 26.228+/-0.045 χ²/NDF: 17082.8/47
Right: 37.210+/-0.110 χ²/NDF: 2257.7/36
In: 27.671+/-0.059 χ²/NDF:13185.2/39
Out: 27.864+/-0.058 χ²/NDF:14664.4/44
All: 27.770+/-0.041 χ²/NDF: 27855.1/84

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.896+/-0.173 χ^2/NDF: 5723.5/16

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.228+/-0.176 χ^2/NDF: 6284.1/19

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

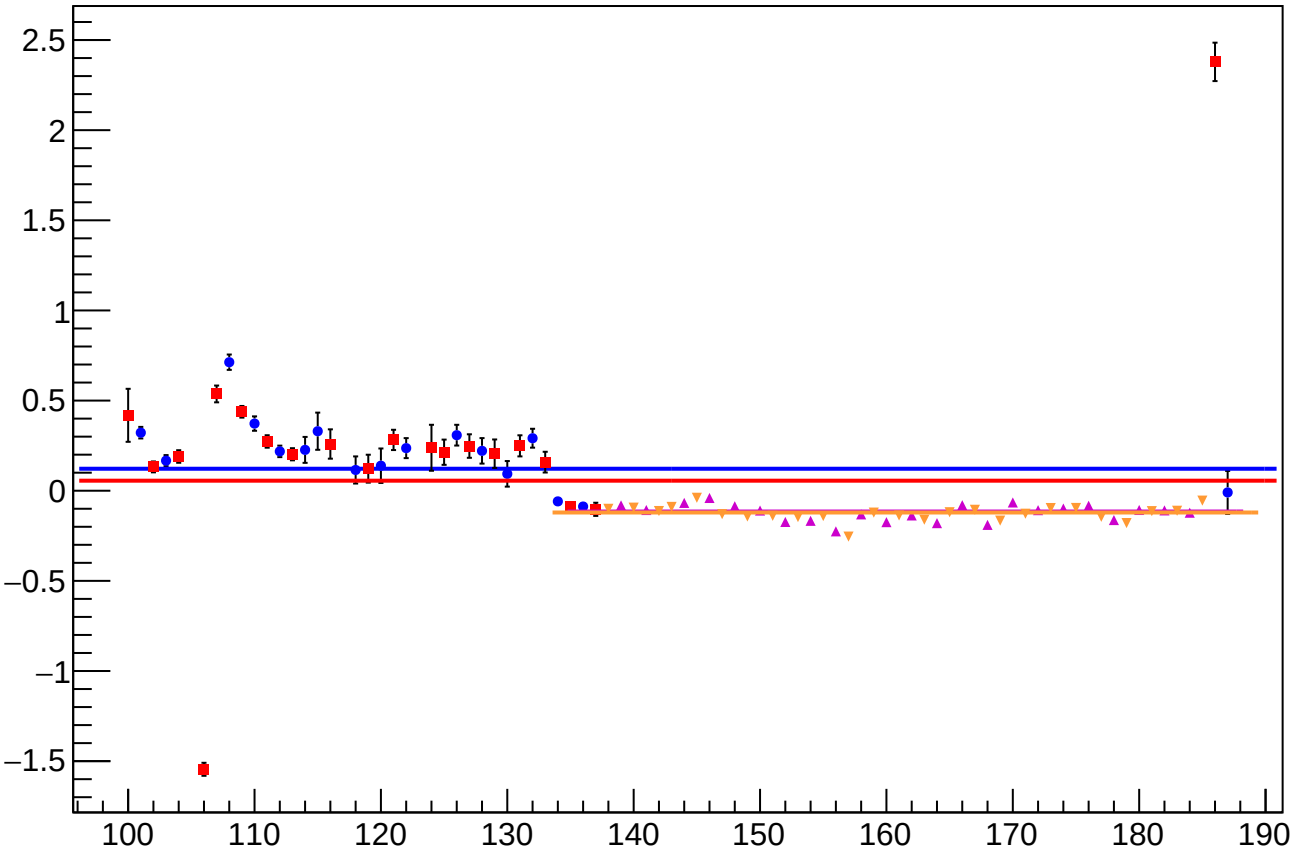
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.580+/-0.123 χ^2/NDF: 12124.5/36

In: 23.486+/-0.054 χ^2/NDF:10155.6/39

Out: 23.511+/-0.053 χ^2/NDF:12768.5/44

All: 23.499+/-0.038 χ^2/NDF: 22924.2/84



Right In: 0.122+/-0.009 χ^2/NDF: 521.2/16

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.056+/-0.010 χ^2/NDF: 2894.3/19

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

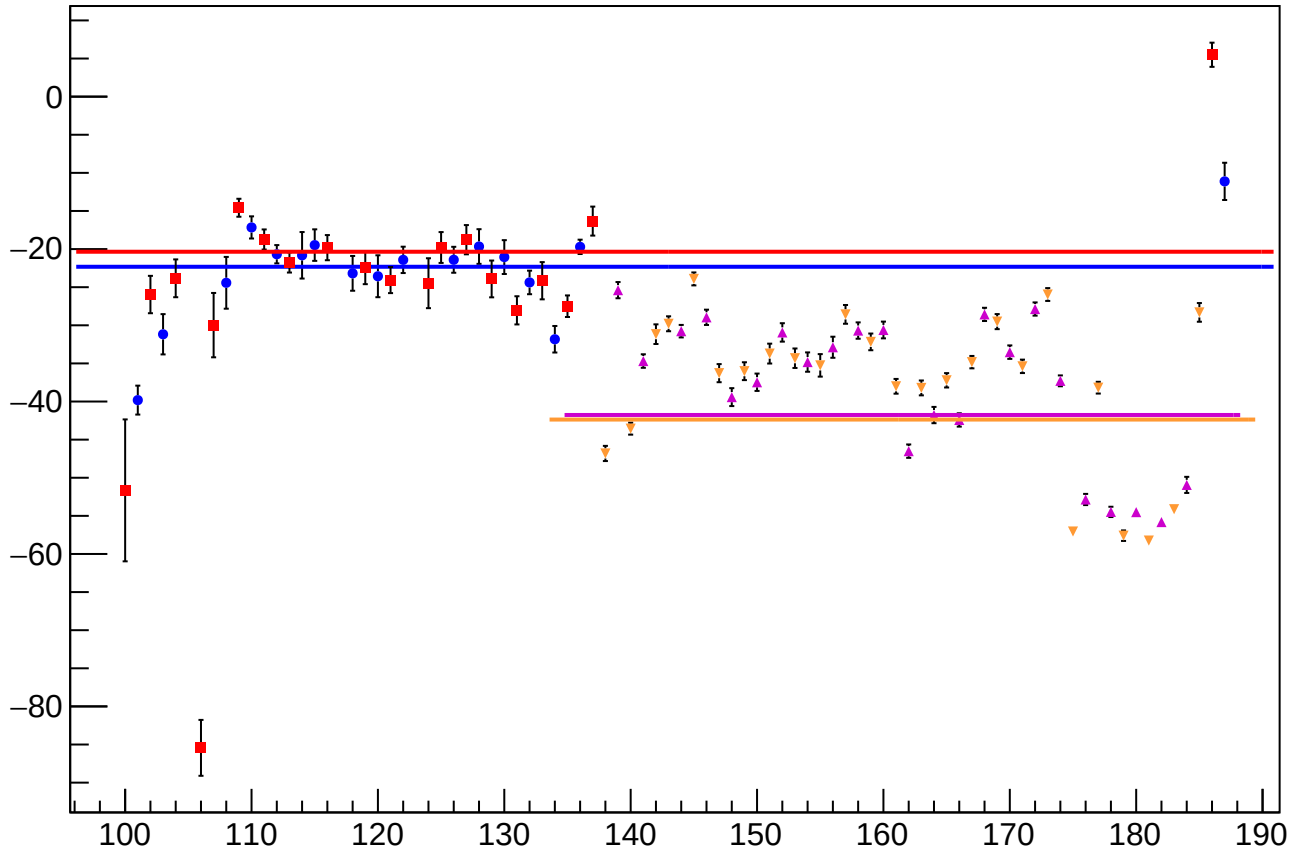
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.090+/-0.007 χ^2/NDF: 3439.6/36

In: -0.099+/-0.002 χ^2/NDF:1408.8/39

Out: -0.110+/-0.002 χ^2/NDF:3466.1/44

All: -0.105+/-0.002 χ^2/NDF: 4884.9/84



Right In: -22.320+/-0.428 χ^2/NDF: 176.2/16

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -20.348+/-0.420 χ^2/NDF: 691.1/19

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

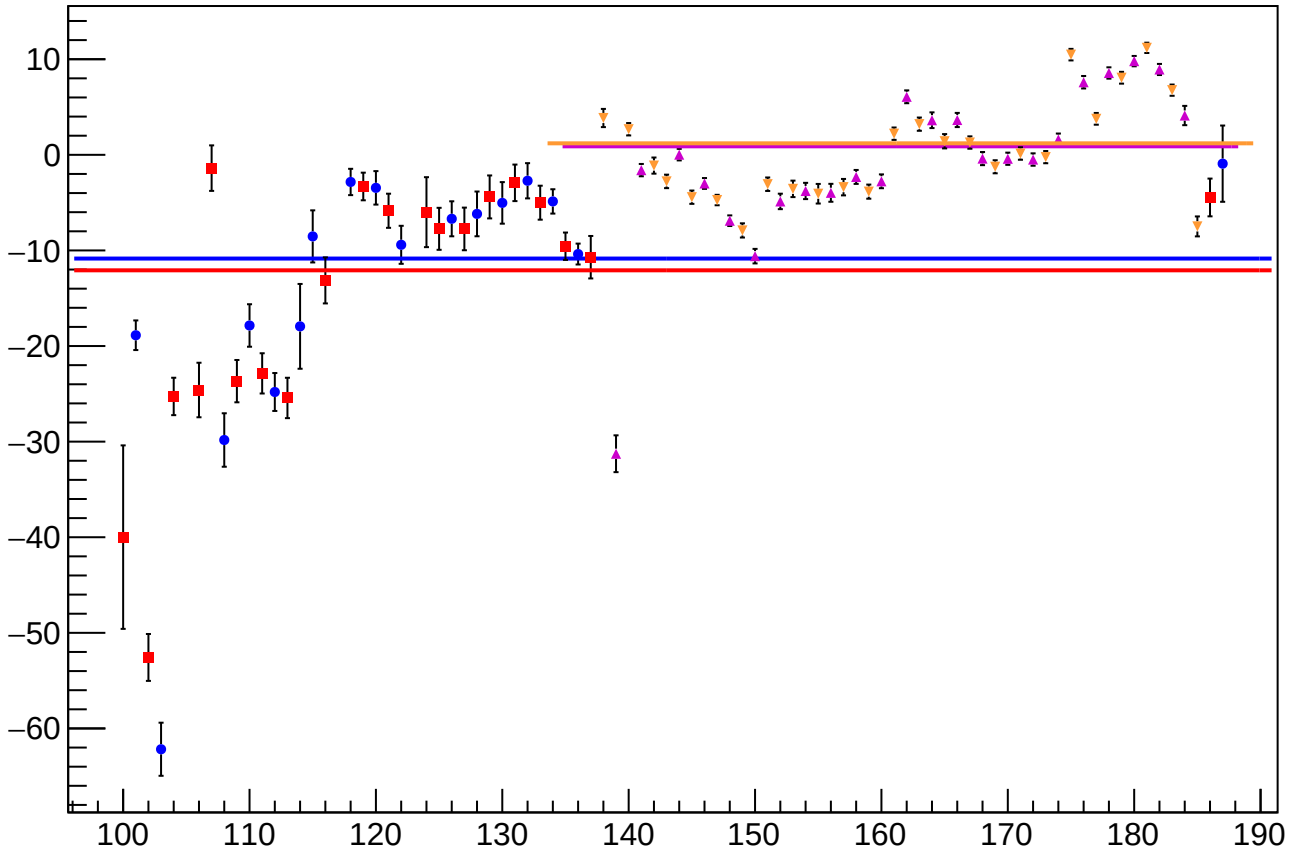
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -21.315+/-0.300 χ^2/NDF: 878.1/36

In: -38.792+/-0.167 χ^2/NDF:5385.2/39

Out: -39.098+/-0.162 χ^2/NDF:7512.5/44

All: -38.950+/-0.116 χ^2/NDF: 12899.4/84



Right In: -10.850+/-0.450 χ^2/NDF: 593.5/16

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.081+/-0.467 χ^2/NDF: 588.1/19

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

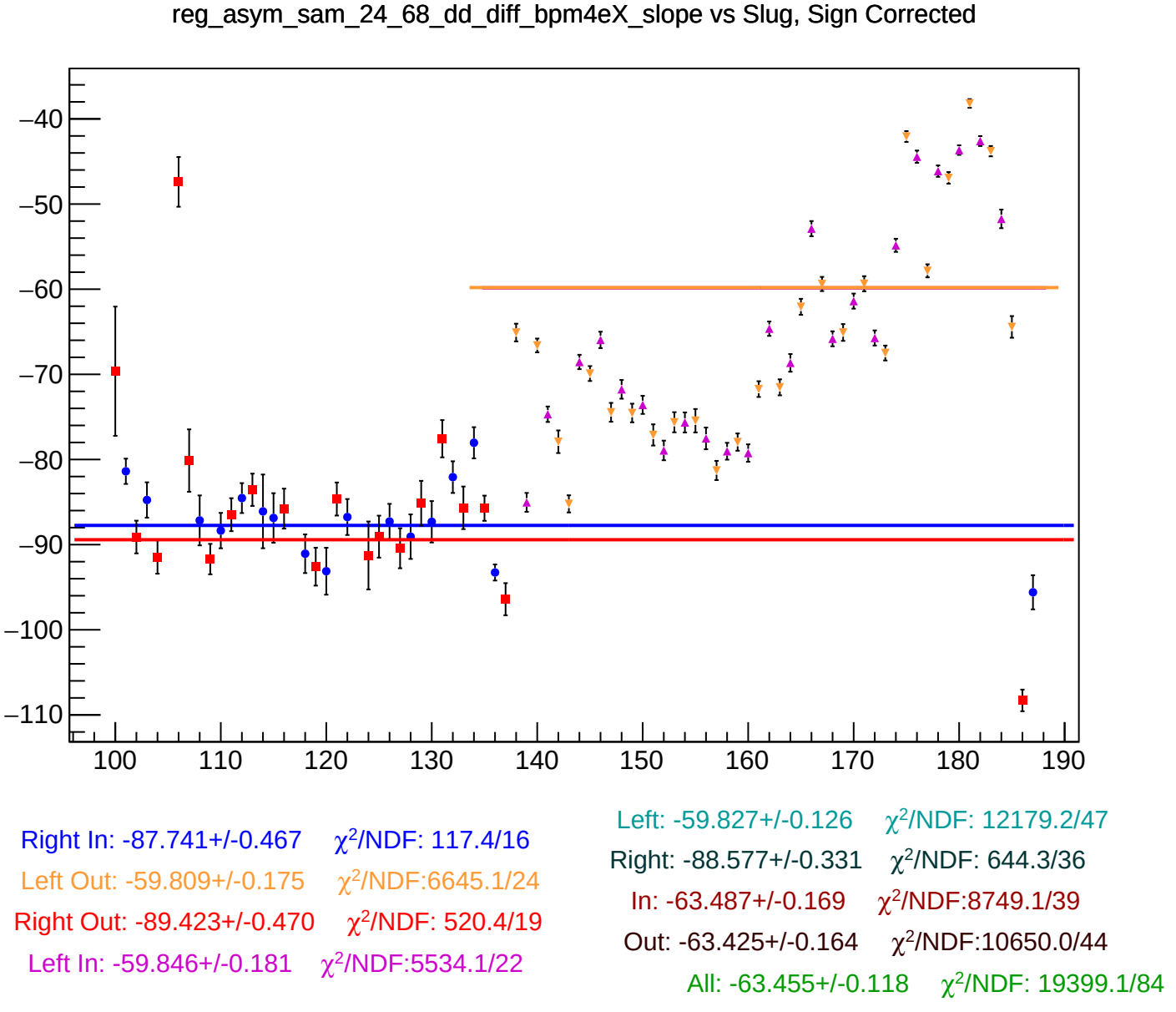
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -11.443+/-0.324 χ^2/NDF: 1185.2/36

In: -0.185+/-0.136 χ^2/NDF:2974.4/39

Out: 0.136+/-0.132 χ^2/NDF:2794.4/44

All: -0.020+/-0.095 χ^2/NDF: 5771.6/84


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
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170
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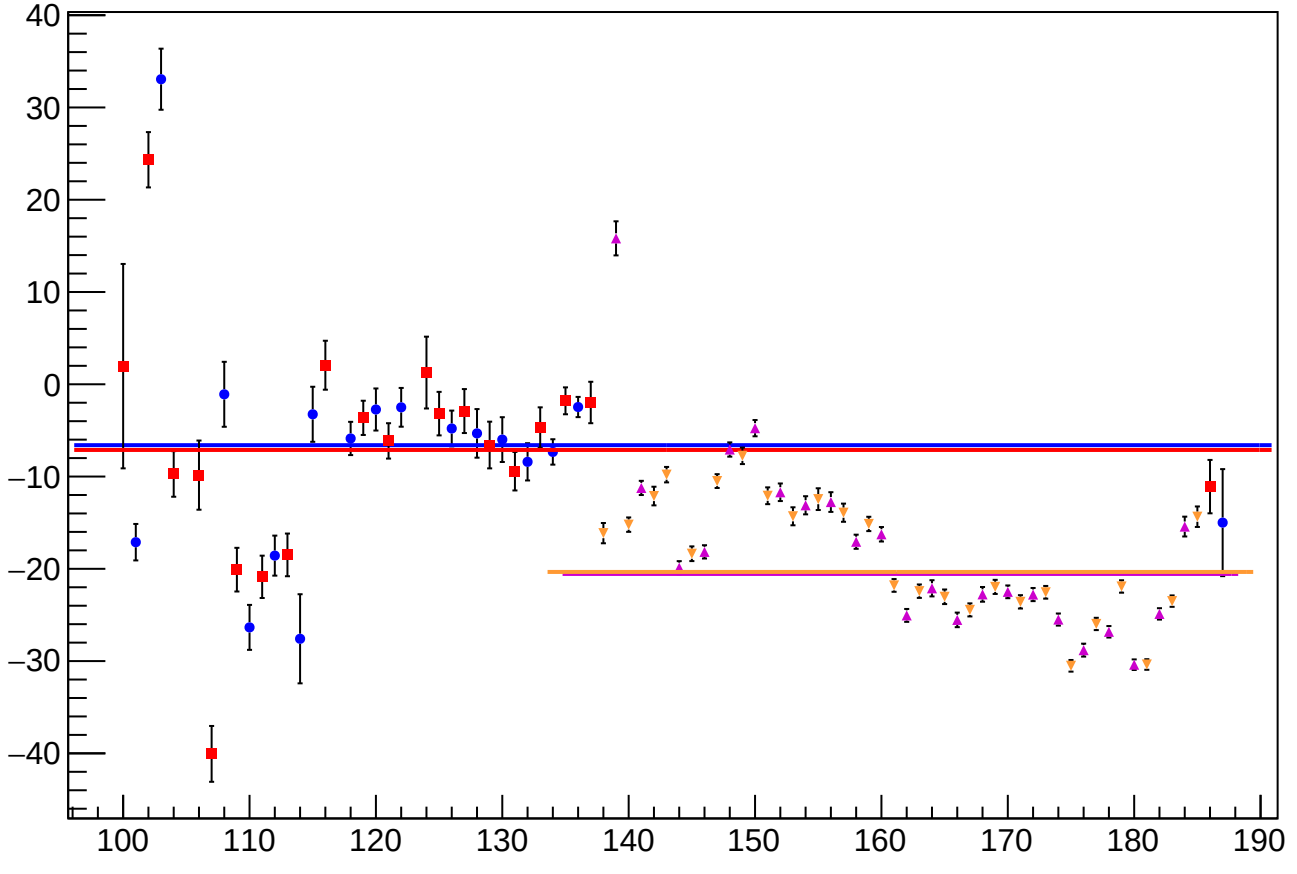
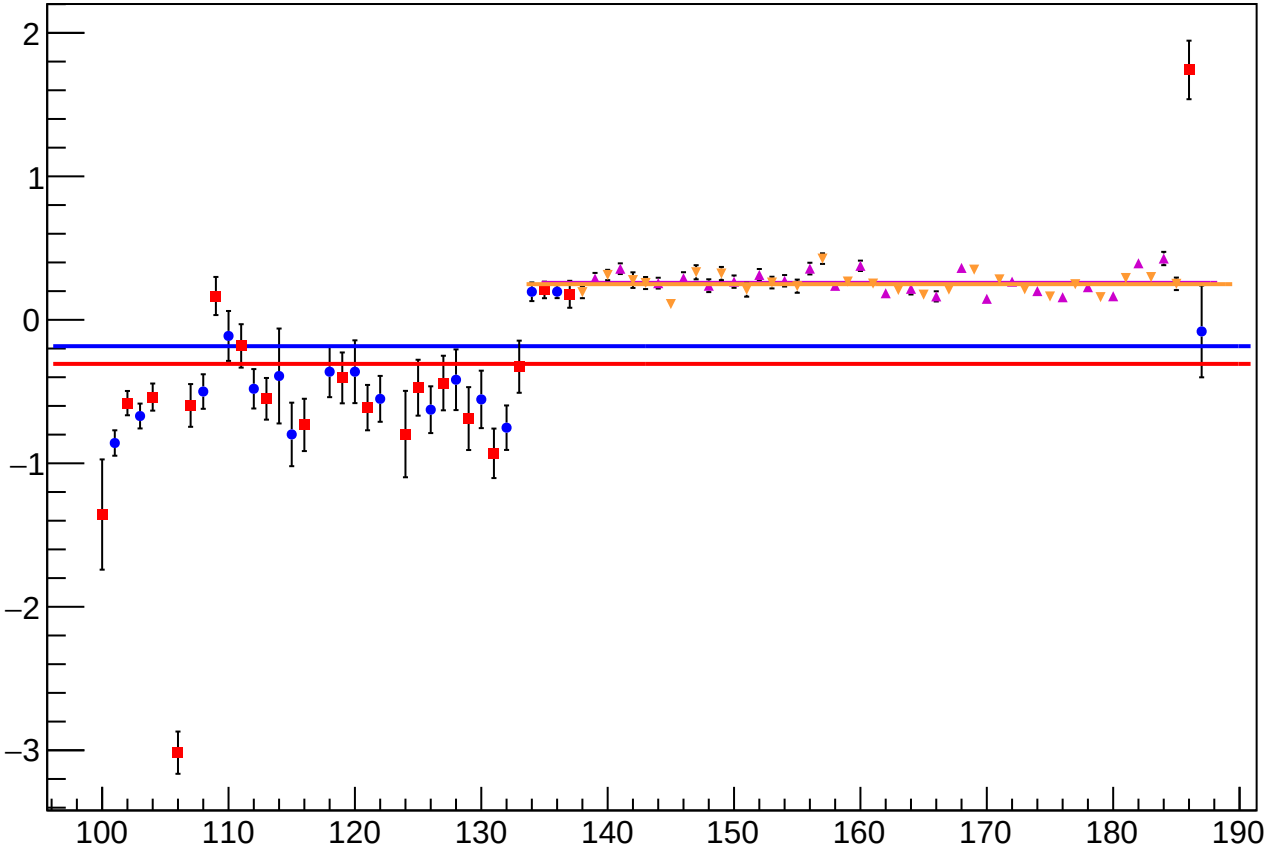
190
Right In: -87.741+/-0.467 χ2/NDF: 117.4/16
Left Out: -59.809+/-0.175 χ2/NDF:6645.1/24
Right Out: -89.423+/-0.470 χ2/NDF: 520.4/19
Left In: -59.846+/-0.181 χ2/NDF:5534.1/22
Left: -59.827+/-0.126 χ2/NDF: 12179.2/47
Right: -88.577+/-0.331 χ2/NDF: 644.3/36
In: -63.487+/-0.169 χ2/NDF:8749.1/39
Out: -63.425+/-0.164 χ2/NDF:10650.0/44
All: -63.455+/-0.118 χ2/NDF: 19399.1/84


reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
−40
100
110
120
130
140
150
160
170
180
190
Right In: -6.600+/-0.506 χ²/NDF: 316.1/16
Left Out: -20.339+/-0.155 χ²/NDF:1701.1/24
Right Out: -7.118+/-0.532 χ²/NDF: 370.3/19
Left In: -20.555+/-0.160 χ²/NDF:2193.8/22
Left: -20.444+/-0.111 χ²/NDF: 3895.8/47
Right: -6.846+/-0.367 χ²/NDF: 686.8/36
In: -19.292+/-0.152 χ²/NDF:3201.8/39
Out: -19.311+/-0.148 χ²/NDF:2640.0/44
All: -19.302+/-0.106 χ²/NDF: 5841.8/84

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.4/16

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.307+/-0.029 χ^2/NDF: 619.5/19

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

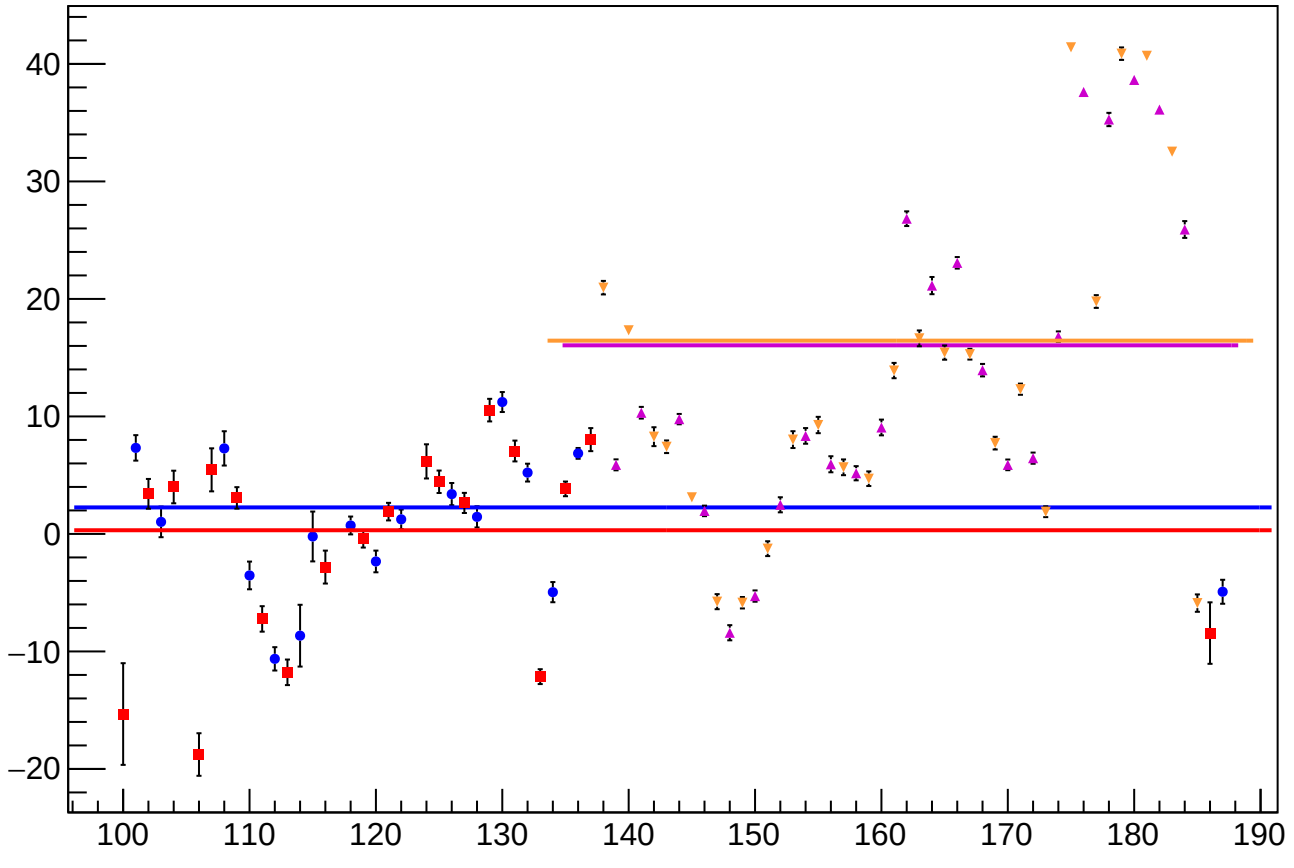
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.240+/-0.020 χ^2/NDF: 876.7/36

In: 0.228+/-0.007 χ^2/NDF:637.2/39

Out: 0.219+/-0.007 χ^2/NDF:1059.4/44

All: 0.223+/-0.005 χ^2/NDF: 1697.6/84



Right In: 2.257+/-0.219 χ^2/NDF: 625.0/16

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.314+/-0.221 χ^2/NDF: 1042.1/19

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

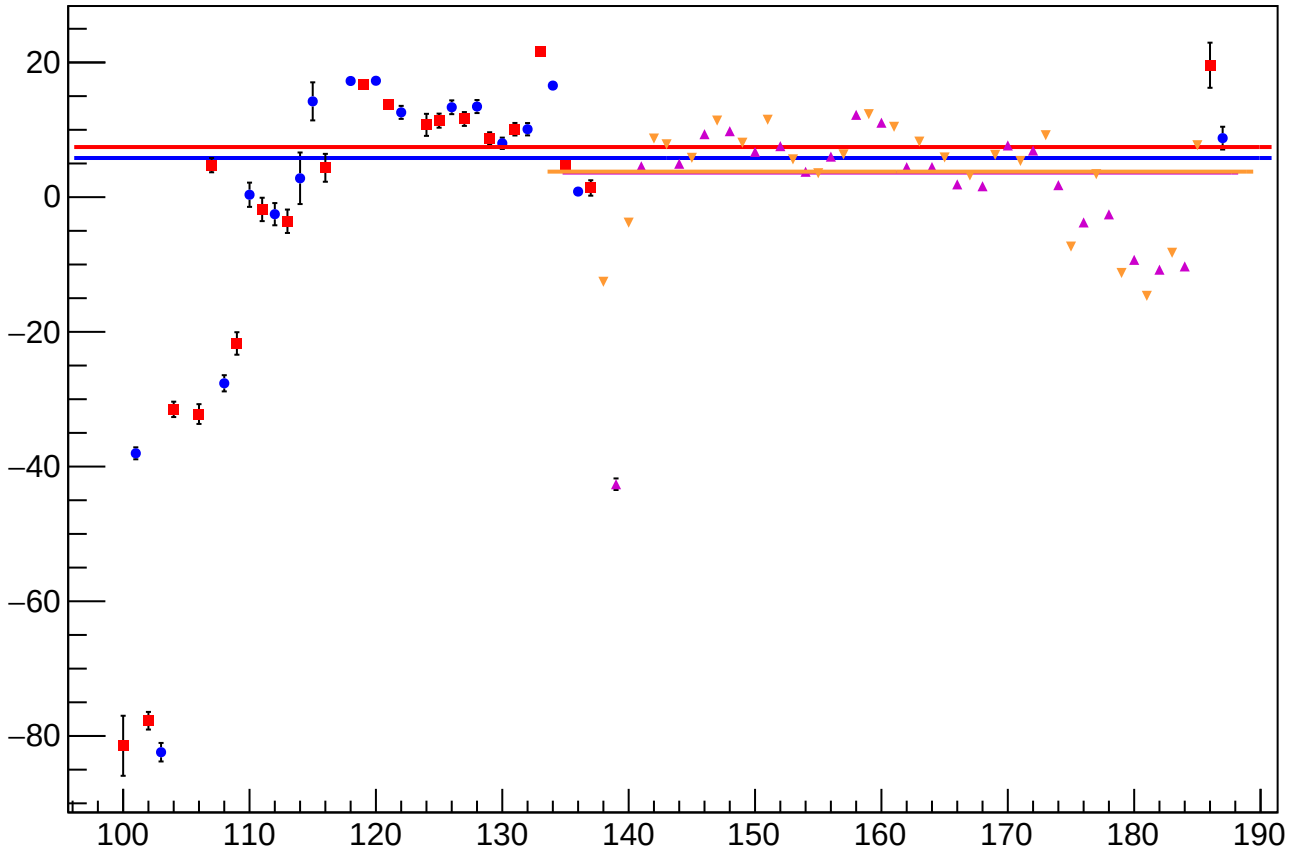
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.297+/-0.156 χ^2/NDF: 1706.1/36

In: 13.381+/-0.096 χ^2/NDF:21452.8/39

Out: 13.533+/-0.094 χ^2/NDF:26792.0/44

All: 13.459+/-0.067 χ^2/NDF: 48246.0/84



Right In: 5.813+/-0.208 χ^2/NDF: 8936.9/16

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: 7.441+/-0.208 χ^2/NDF: 8403.8/19

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

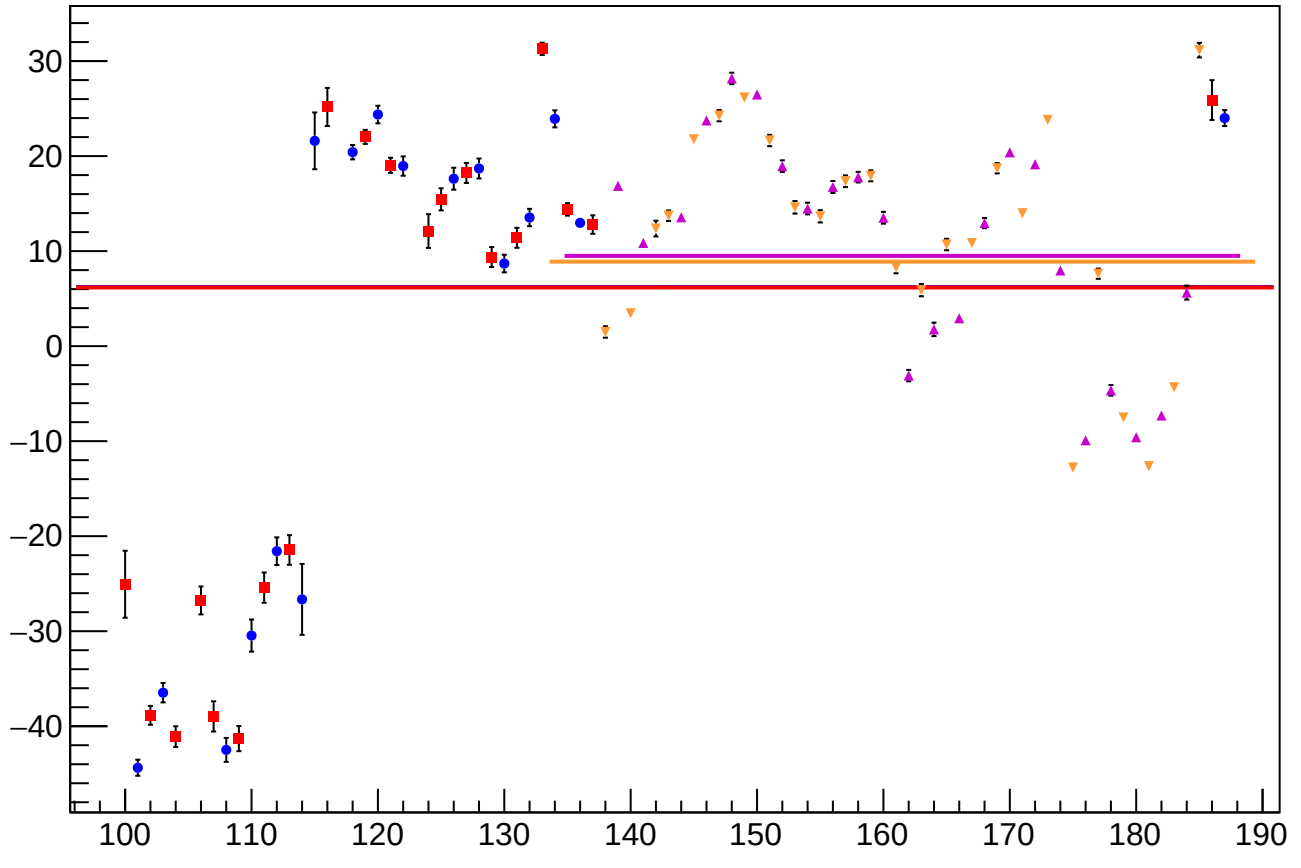
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: 6.626+/-0.147 χ^2/NDF: 17371.2/36

In: 3.945+/-0.077 χ^2/NDF:17340.9/39

Out: 4.260+/-0.075 χ^2/NDF:17771.8/44

All: 4.108+/-0.054 χ^2/NDF: 35121.3/84



Right In: 6.218+/-0.228 χ^2/NDF: 9982.0/16

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 6.180+/-0.238 χ^2/NDF: 10149.1/19

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

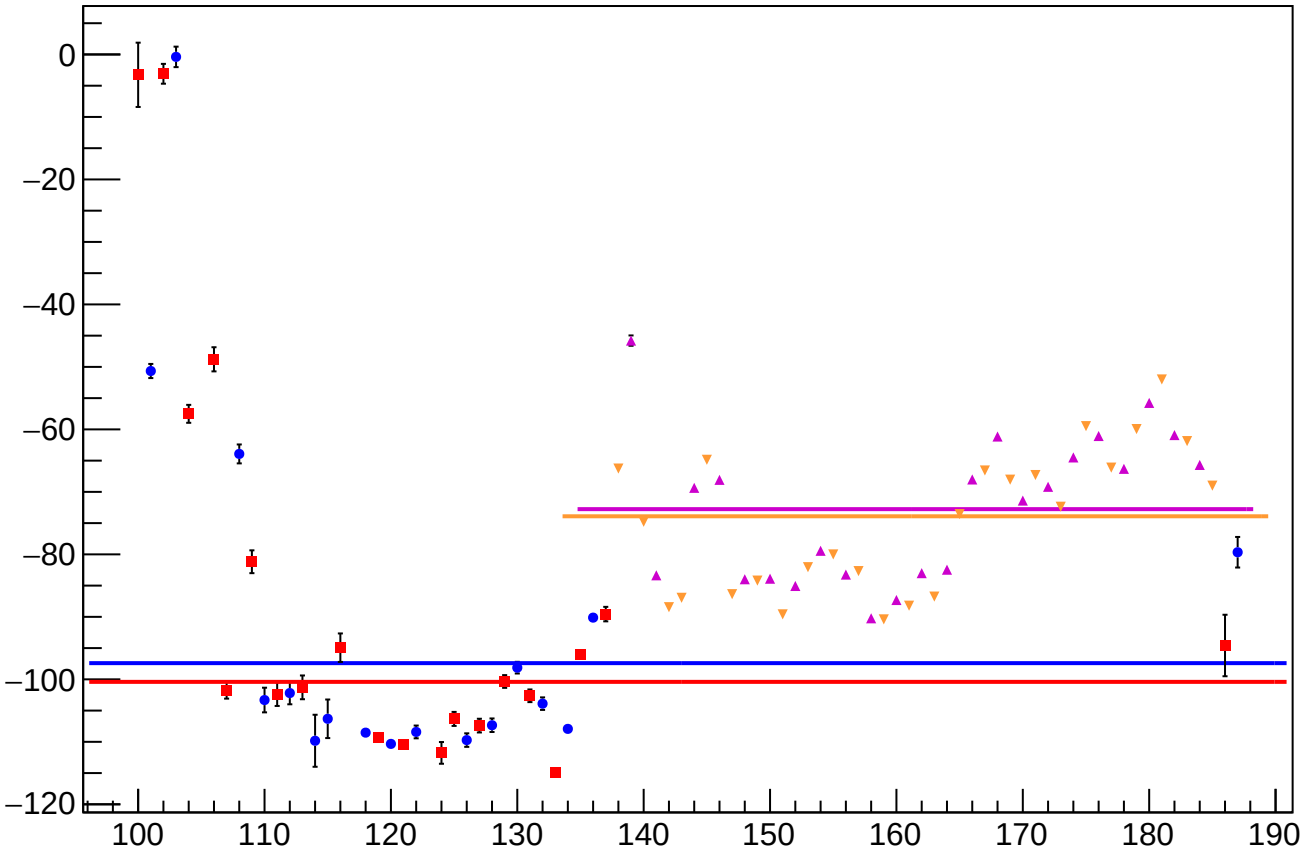
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 6.199+/-0.165 χ^2/NDF: 20131.1/36

In: 8.914+/-0.097 χ^2/NDF:23192.6/39

Out: 8.460+/-0.095 χ^2/NDF:25686.1/44

All: 8.683+/-0.068 χ^2/NDF: 48889.9/84


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
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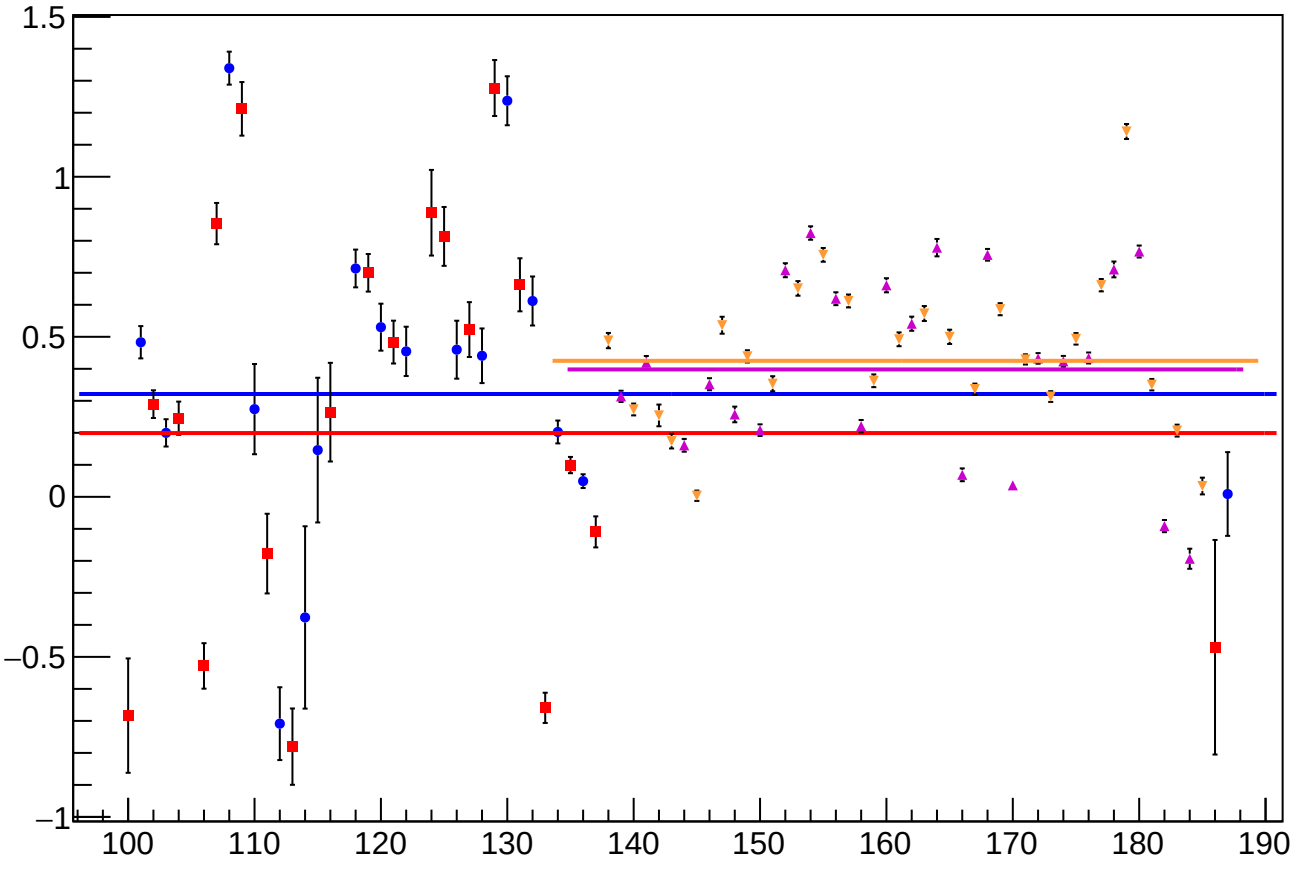
140
150
160
170
180
190
Right In: -97.408+/-0.241 χ²/NDF: 7197.4/16
Left Out: -73.907+/-0.090 χ²/NDF:15567.0/24
Right Out: -100.404+/-0.241 χ²/NDF: 7117.1/19
Left In: -72.763+/-0.093 χ²/NDF:12612.6/22
Left: -73.353+/-0.065 χ²/NDF: 28257.1/47
Right: -98.905+/-0.170 χ²/NDF: 14392.0/36
In: -75.988+/-0.087 χ²/NDF:28935.3/39
Out: -77.187+/-0.085 χ²/NDF:33303.6/44
All: -76.604+/-0.061 χ²/NDF: 62336.3/84



Right In: 0.321+/-0.013 χ^2/NDF: 892.3/16

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.199+/-0.014 χ^2/NDF: 1210.3/19

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

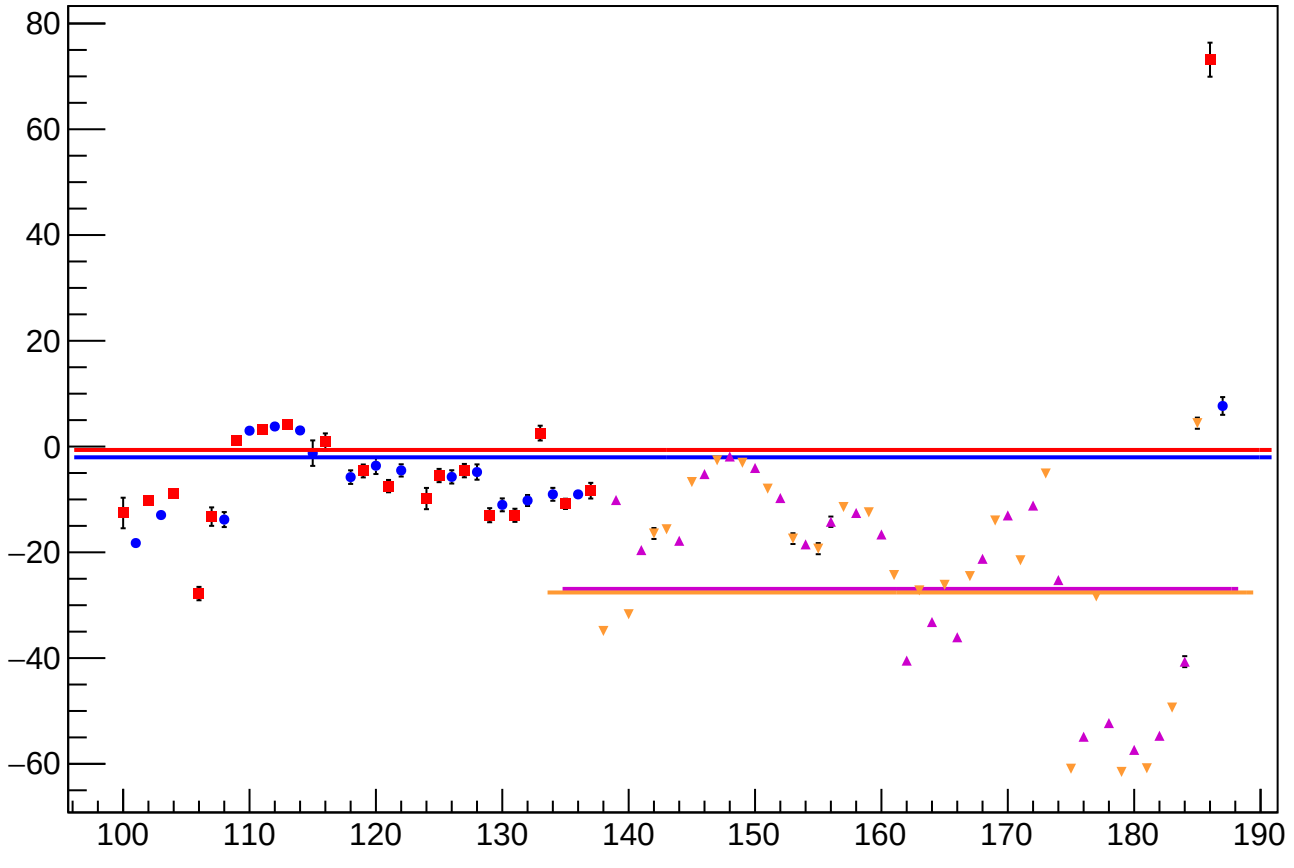
Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

Right: 0.263+/-0.010 χ^2/NDF: 2143.2/36

In: 0.391+/-0.004 χ^2/NDF:5194.0/39

Out: 0.407+/-0.004 χ^2/NDF:4490.9/44

All: 0.399+/-0.003 χ^2/NDF: 9693.2/84



Right In: -2.032+/-0.191 χ^2/NDF: 1524.9/16

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.642+/-0.170 χ^2/NDF: 1992.2/19

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

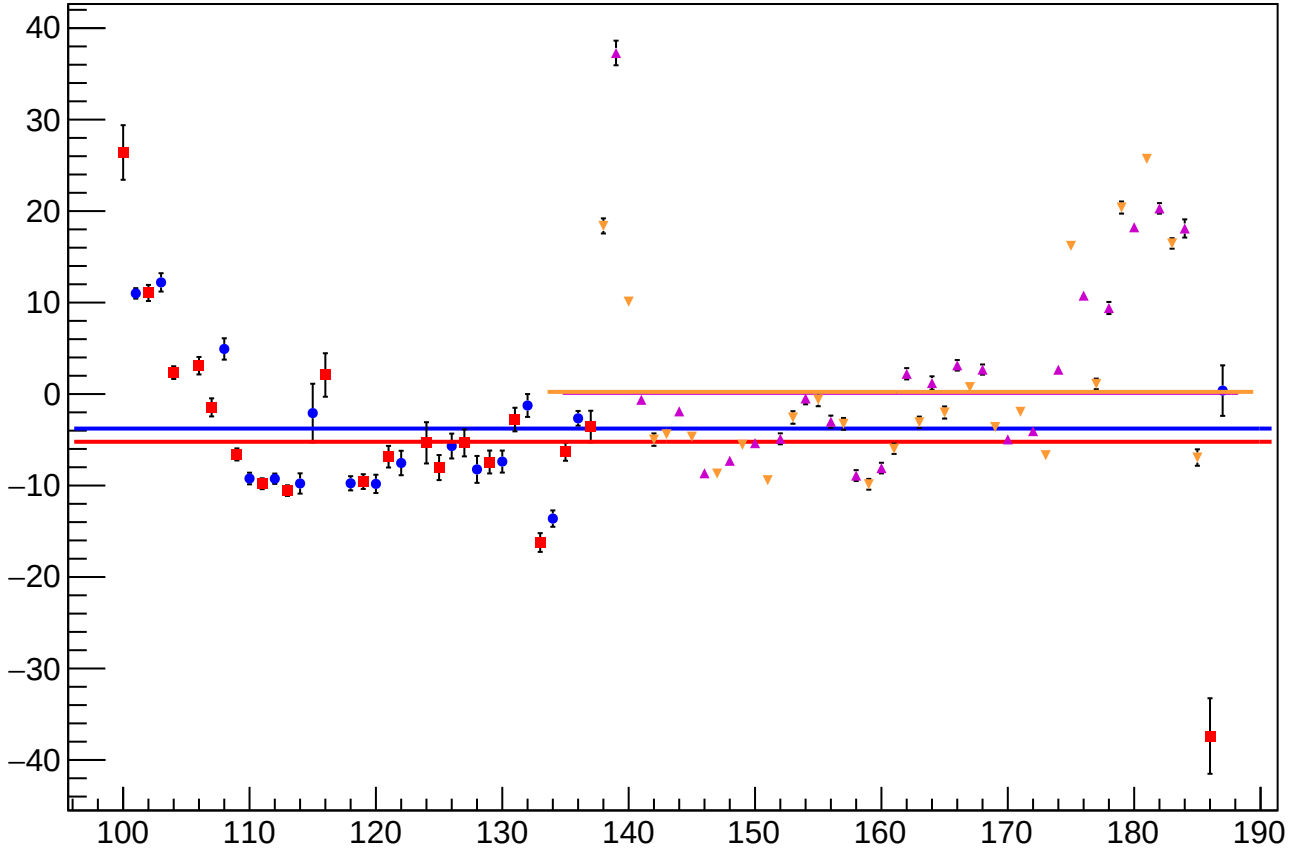
Right: -1.258+/-0.127 χ^2/NDF: 3546.7/36

In: -17.471+/-0.118 χ^2/NDF:27621.8/39

Out: -16.319+/-0.110 χ^2/NDF:36346.7/44

All: -16.857+/-0.080 χ^2/NDF: 64019.6/84

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773+/-0.225 χ^2/NDF: 1427.8/16

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -5.216+/-0.218 χ^2/NDF: 1041.4/19

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

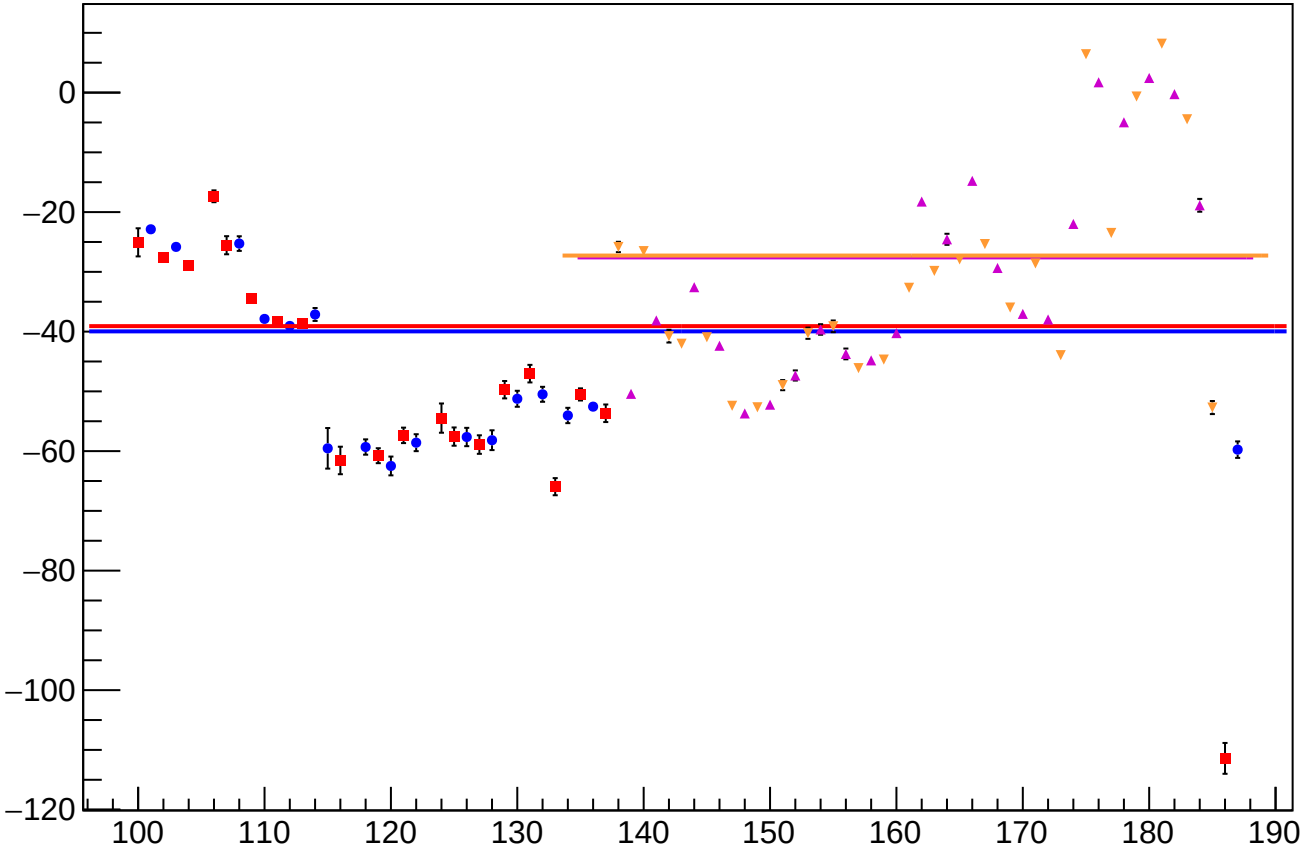
Right: -4.516+/-0.157 χ^2/NDF: 2490.4/36

In: -0.672+/-0.102 χ^2/NDF:7504.5/39

Out: -0.870+/-0.098 χ^2/NDF:9573.9/44

All: -0.774+/-0.071 χ^2/NDF: 17080.3/84

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.960+/-0.223 χ^2/NDF: 3169.3/16

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -39.083+/-0.212 χ^2/NDF: 3562.6/19

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

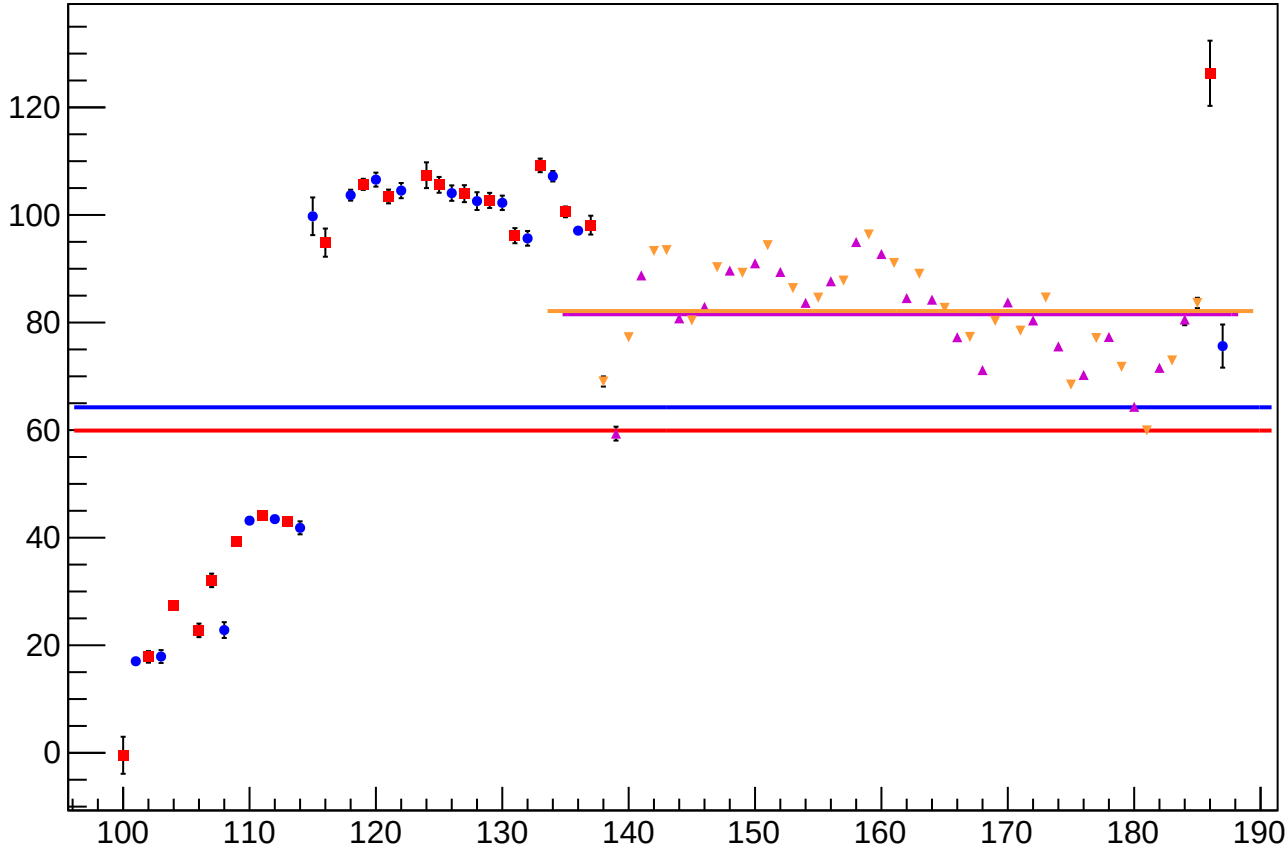
Right: -39.500+/-0.153 χ^2/NDF: 6740.0/36

In: -31.386+/-0.123 χ^2/NDF:20961.2/39

Out: -31.000+/-0.119 χ^2/NDF:24217.1/44

All: -31.187+/-0.086 χ^2/NDF: 45183.4/84

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.243+/-0.257 χ^2/NDF: 18604.5/16

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.917+/-0.249 χ^2/NDF: 17551.5/19

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

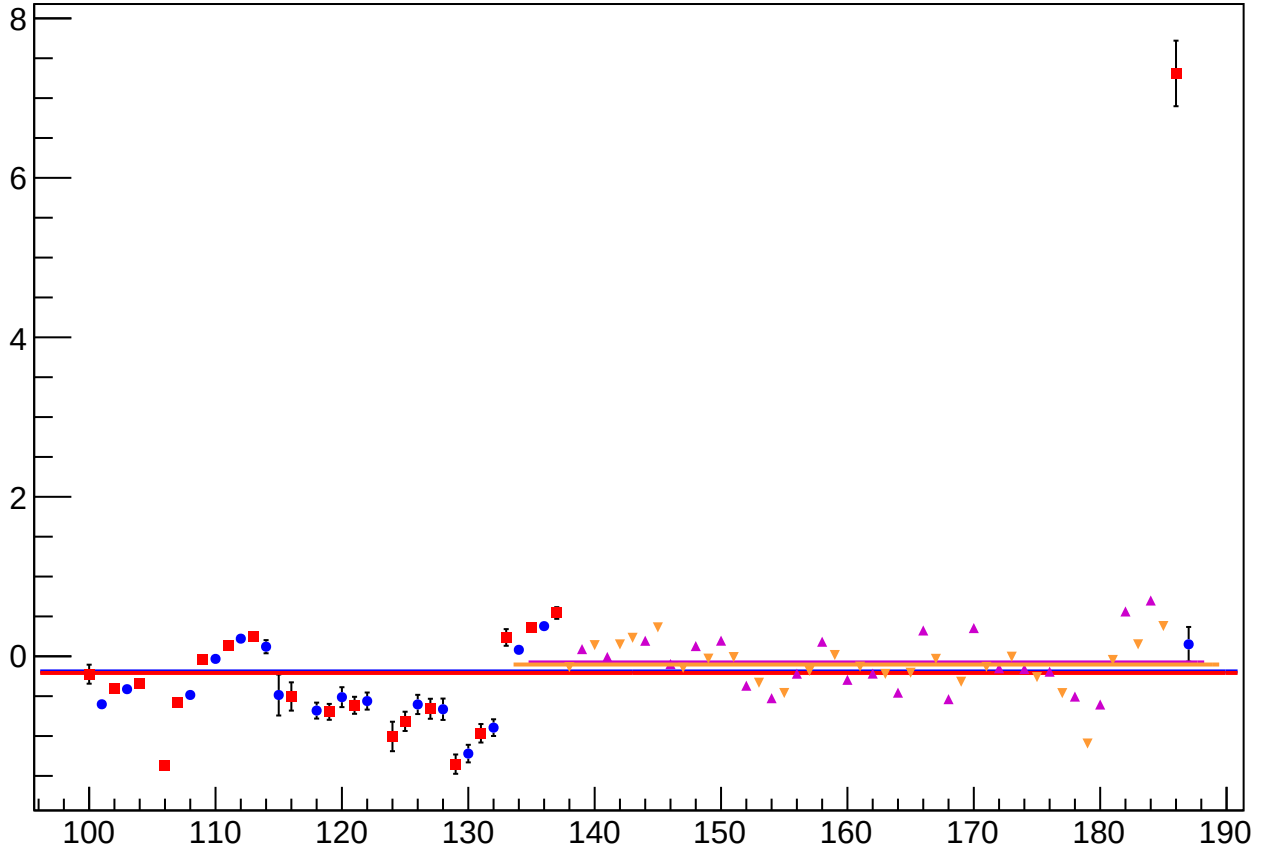
Right: 62.008+/-0.179 χ^2/NDF: 36302.4/36

In: 78.060+/-0.115 χ^2/NDF:26266.5/39

Out: 77.662+/-0.112 χ^2/NDF:29310.3/44

All: 77.854+/-0.080 χ^2/NDF: 55583.0/84

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.190+/-0.013 χ^2/NDF: 920.8/16

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.209+/-0.013 χ^2/NDF: 1703.0/19

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

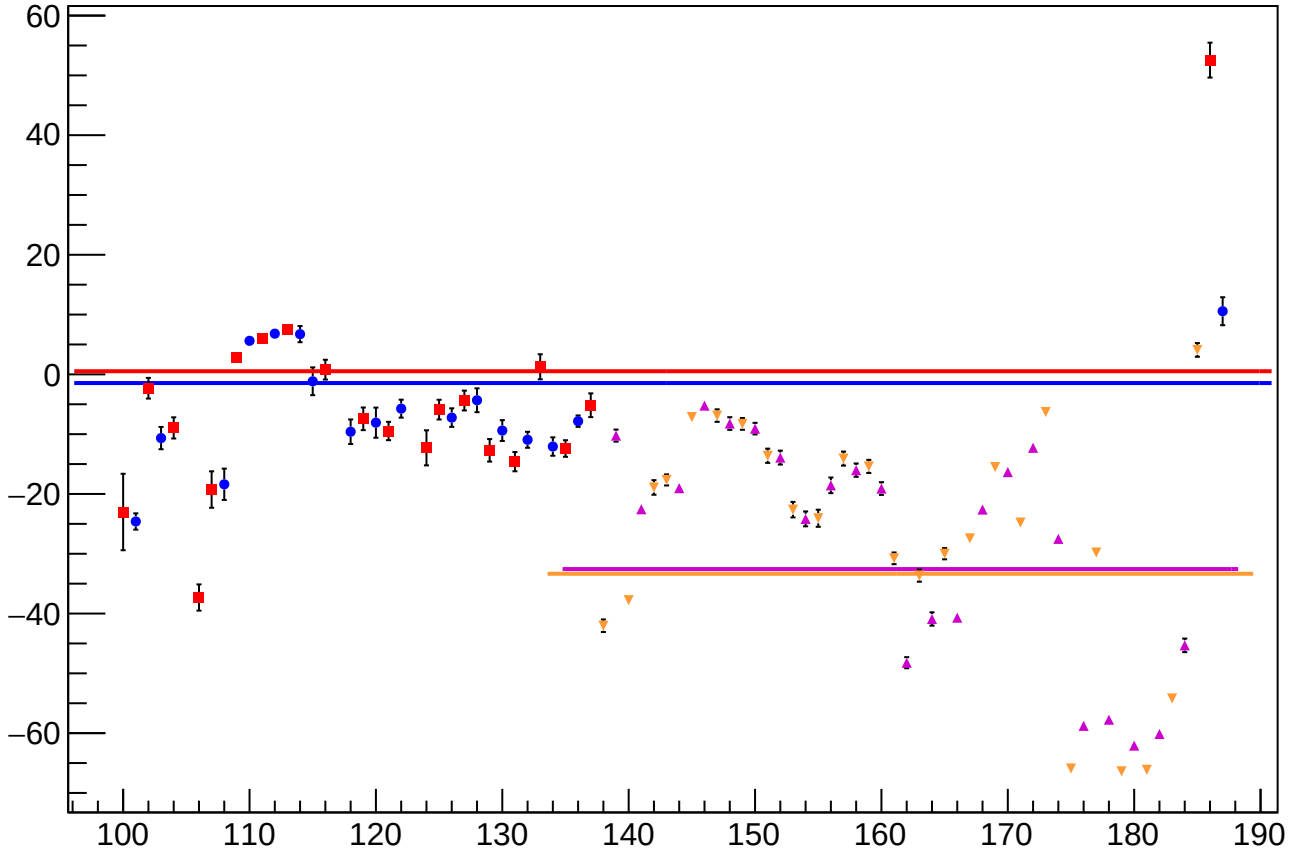
Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

Right: -0.200+/-0.009 χ^2/NDF: 2624.8/36

In: -0.094+/-0.005 χ^2/NDF:4301.5/39

Out: -0.120+/-0.005 χ^2/NDF:4167.3/44

All: -0.107+/-0.004 χ^2/NDF: 8480.8/84



Right In: -1.452+/-0.305 χ^2/NDF: 927.1/16

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 0.528+/-0.281 χ^2/NDF: 1251.7/19

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

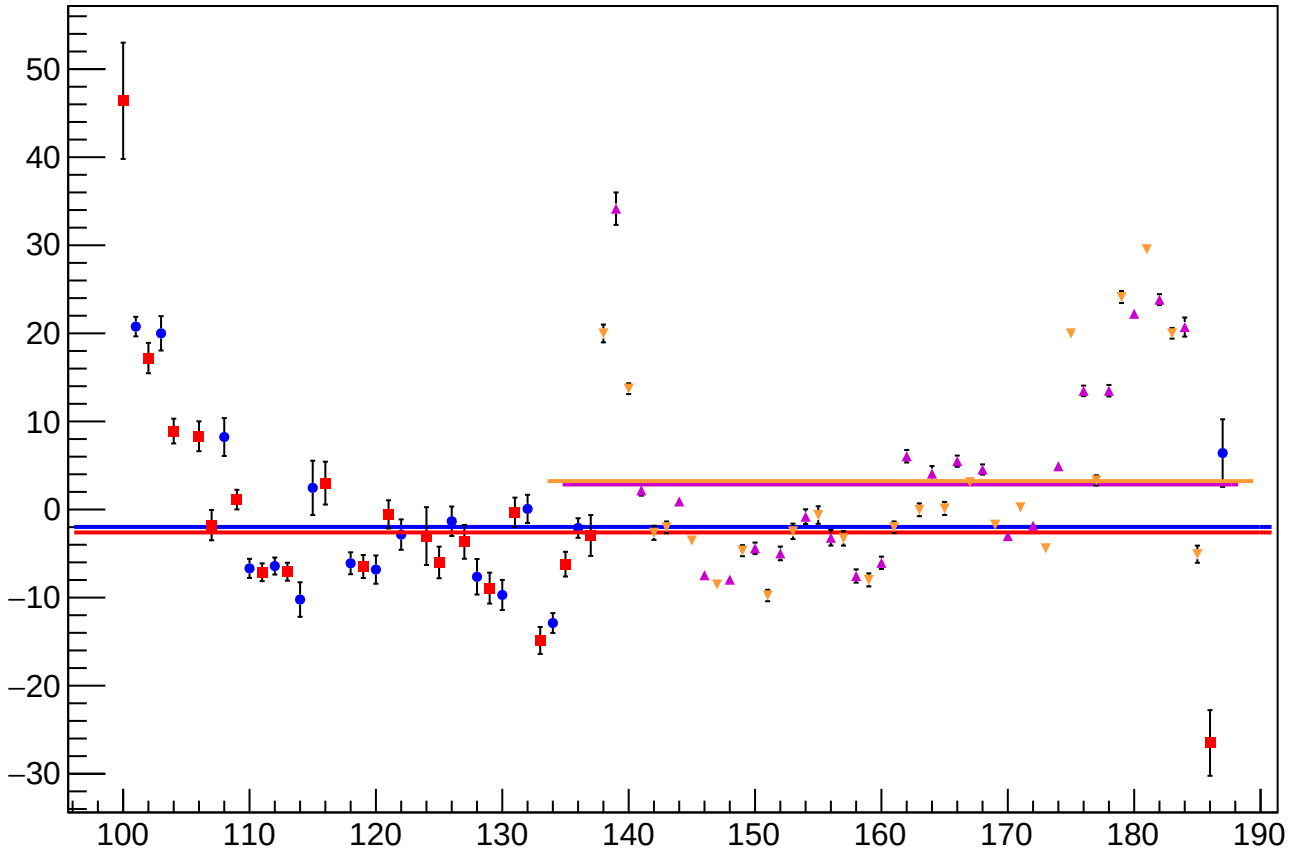
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -0.379+/-0.207 χ^2/NDF: 2201.6/36

In: -25.240+/-0.148 χ^2/NDF:22754.7/39

Out: -24.674+/-0.142 χ^2/NDF:30082.7/44

All: -24.945+/-0.103 χ^2/NDF: 52845.0/84



Right In: -1.978+/-0.355 χ^2/NDF: 776.7/16

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -2.603+/-0.354 χ^2/NDF: 492.4/19

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

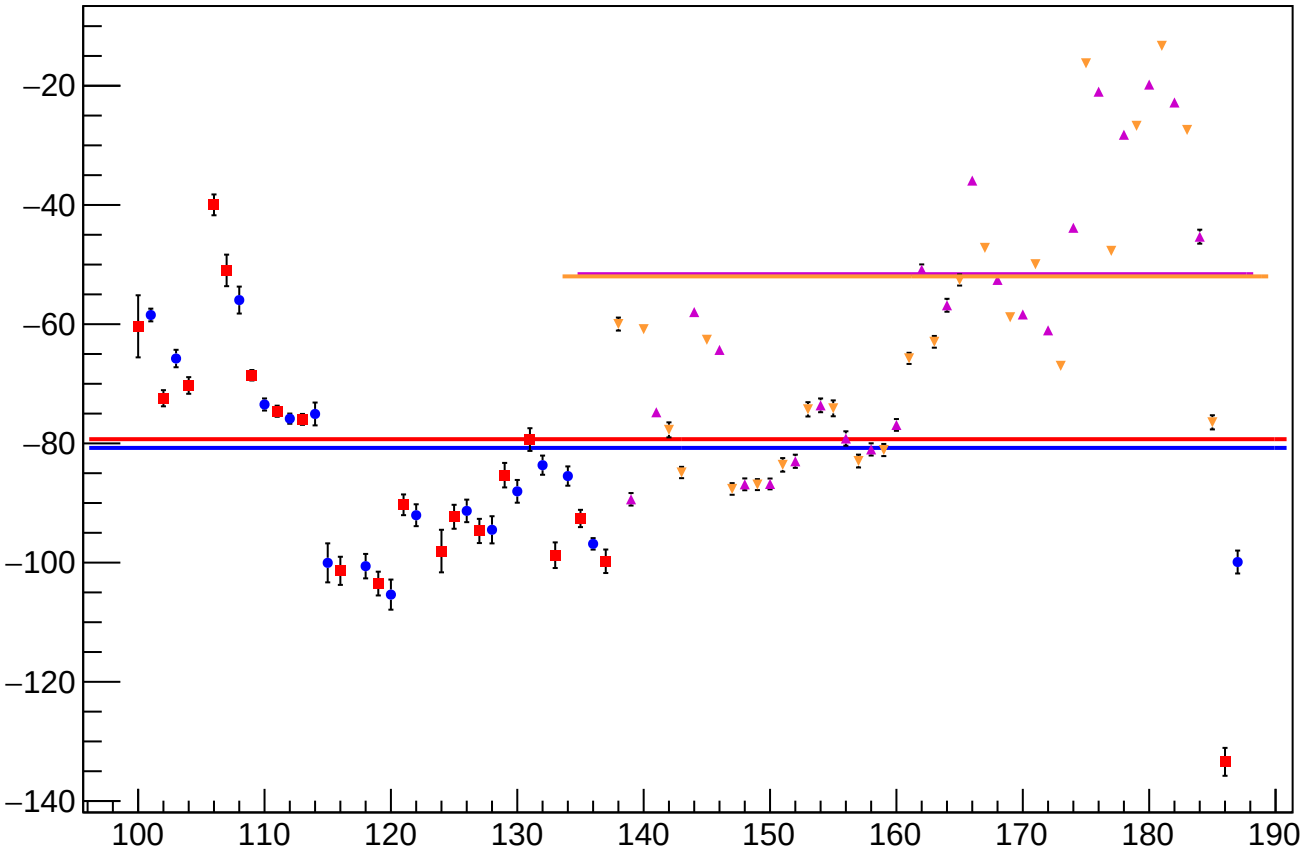
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -2.291+/-0.250 χ^2/NDF: 1270.7/36

In: 2.264+/-0.123 χ^2/NDF:6394.9/39

Out: 2.548+/-0.120 χ^2/NDF:8408.0/44

All: 2.409+/-0.086 χ^2/NDF: 14805.6/84



Right In: -80.757+/-0.358 χ^2/NDF: 1489.9/16

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.292+/-0.350 χ^2/NDF: 2107.5/19

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

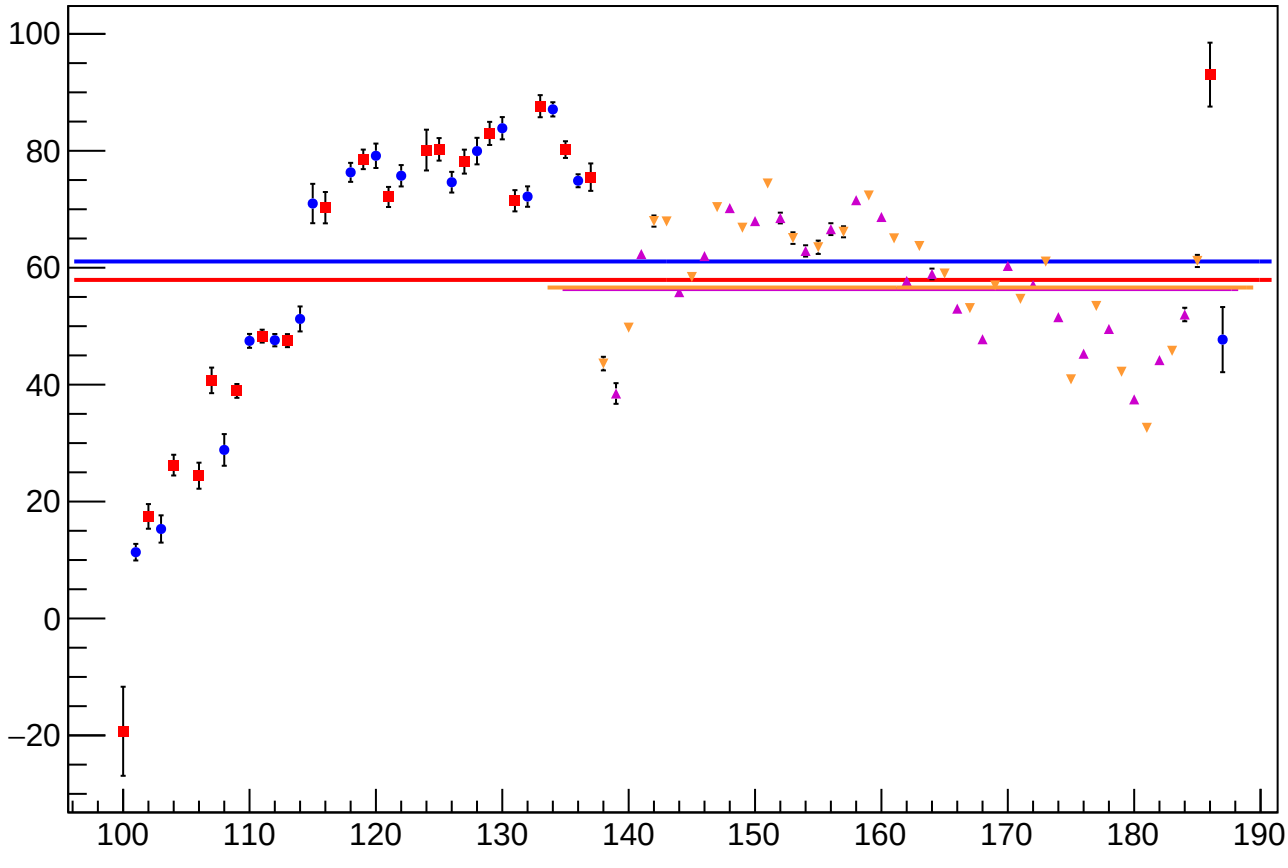
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -80.007+/-0.250 χ^2/NDF: 3606.0/36

In: -56.926+/-0.153 χ^2/NDF:24532.1/39

Out: -56.949+/-0.149 χ^2/NDF:27988.9/44

All: -56.938+/-0.107 χ^2/NDF: 52521.0/84



Right In: 61.070+/-0.400 χ^2/NDF: 3235.1/16

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.916+/-0.399 χ^2/NDF: 2817.1/19

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

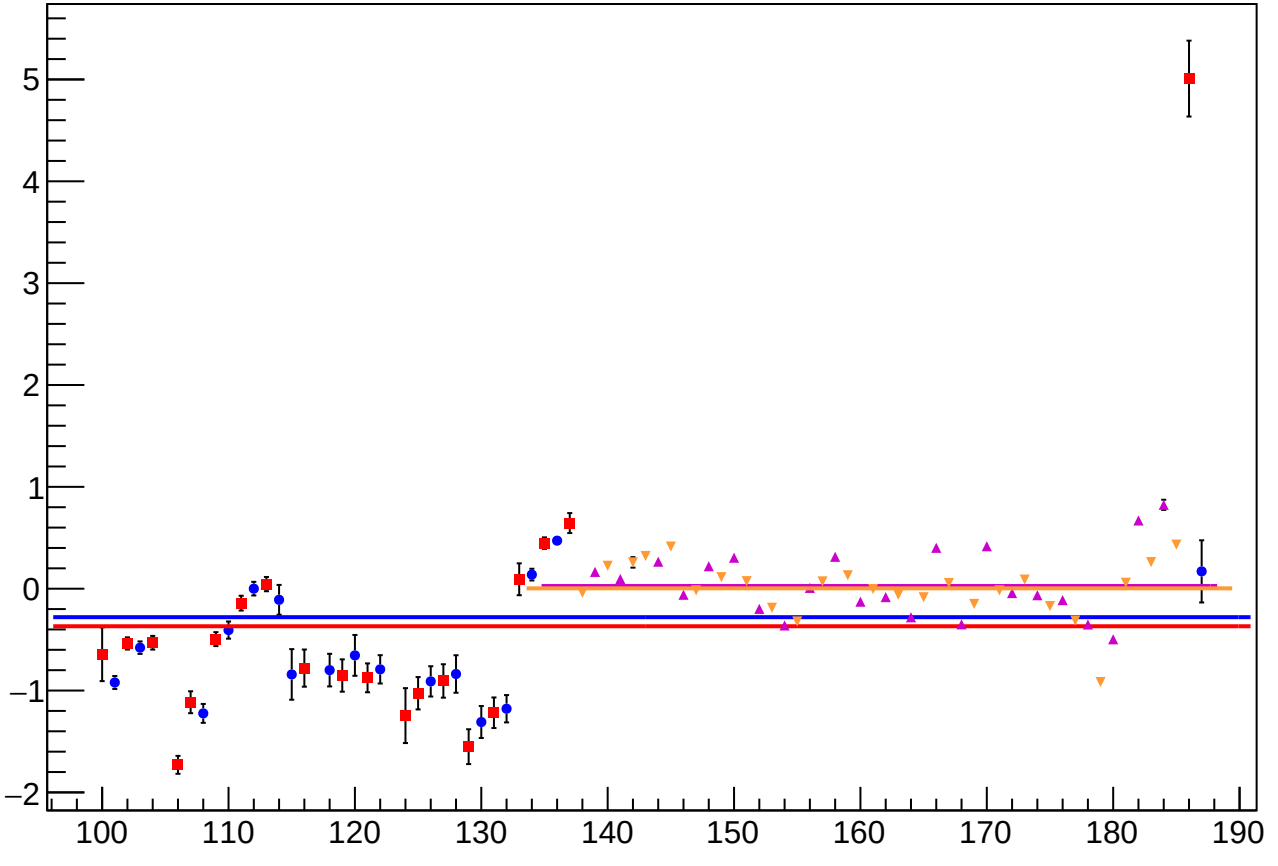
Right: 59.491+/-0.282 χ^2/NDF: 6083.3/36

In: 56.914+/-0.138 χ^2/NDF:7326.7/39

Out: 56.762+/-0.135 χ^2/NDF:8492.7/44

All: 56.836+/-0.097 χ^2/NDF: 15820.0/84

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.280+/-0.022 χ^2/NDF: 730.4/16

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.369+/-0.022 χ^2/NDF: 1027.8/19

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

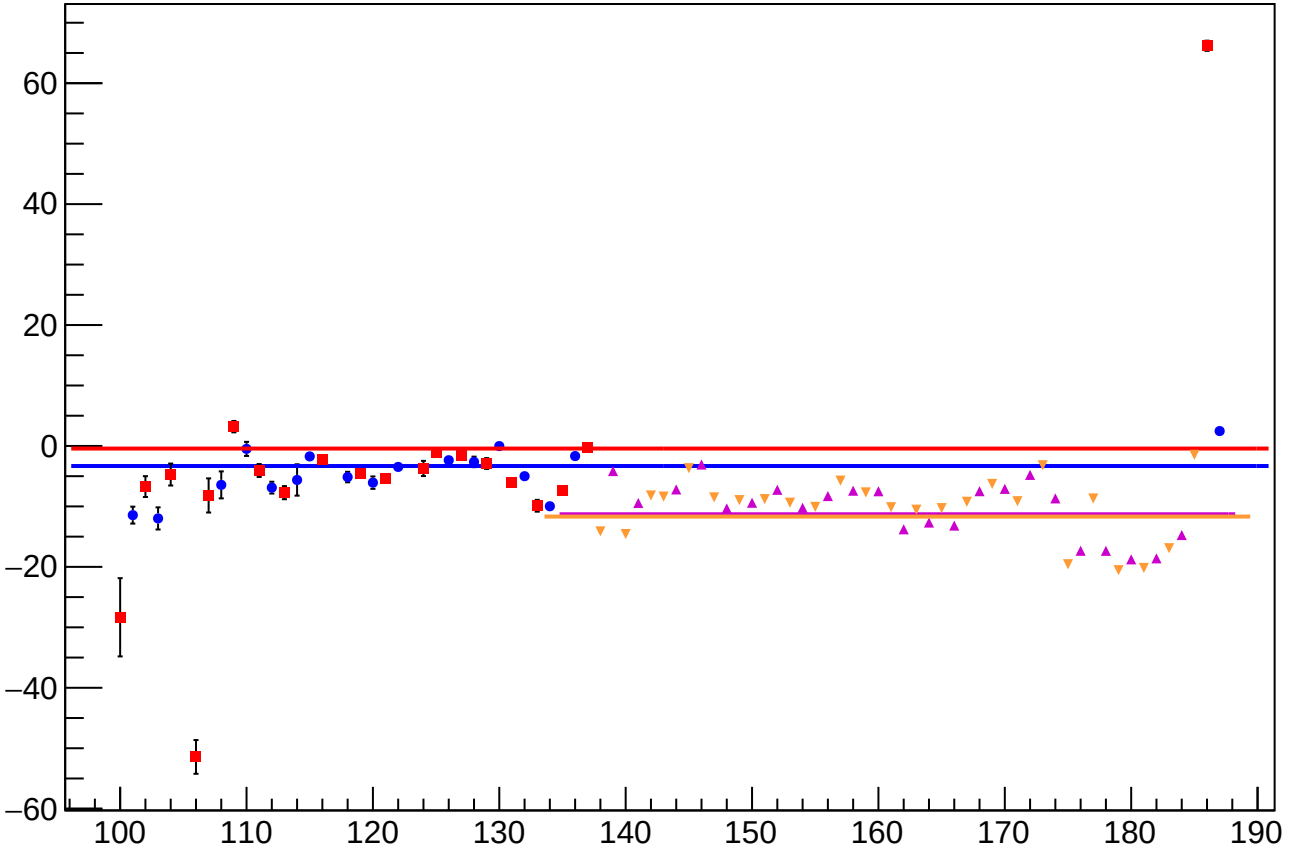
Right: -0.324+/-0.015 χ^2/NDF: 1766.7/36

In: 0.000+/-0.006 χ^2/NDF:3263.1/39

Out: -0.026+/-0.006 χ^2/NDF:2995.4/44

All: -0.013+/-0.004 χ^2/NDF: 6267.5/84

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.319+/-0.184 χ^2/NDF: 288.5/16

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -0.429+/-0.194 χ^2/NDF: 7140.1/19

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

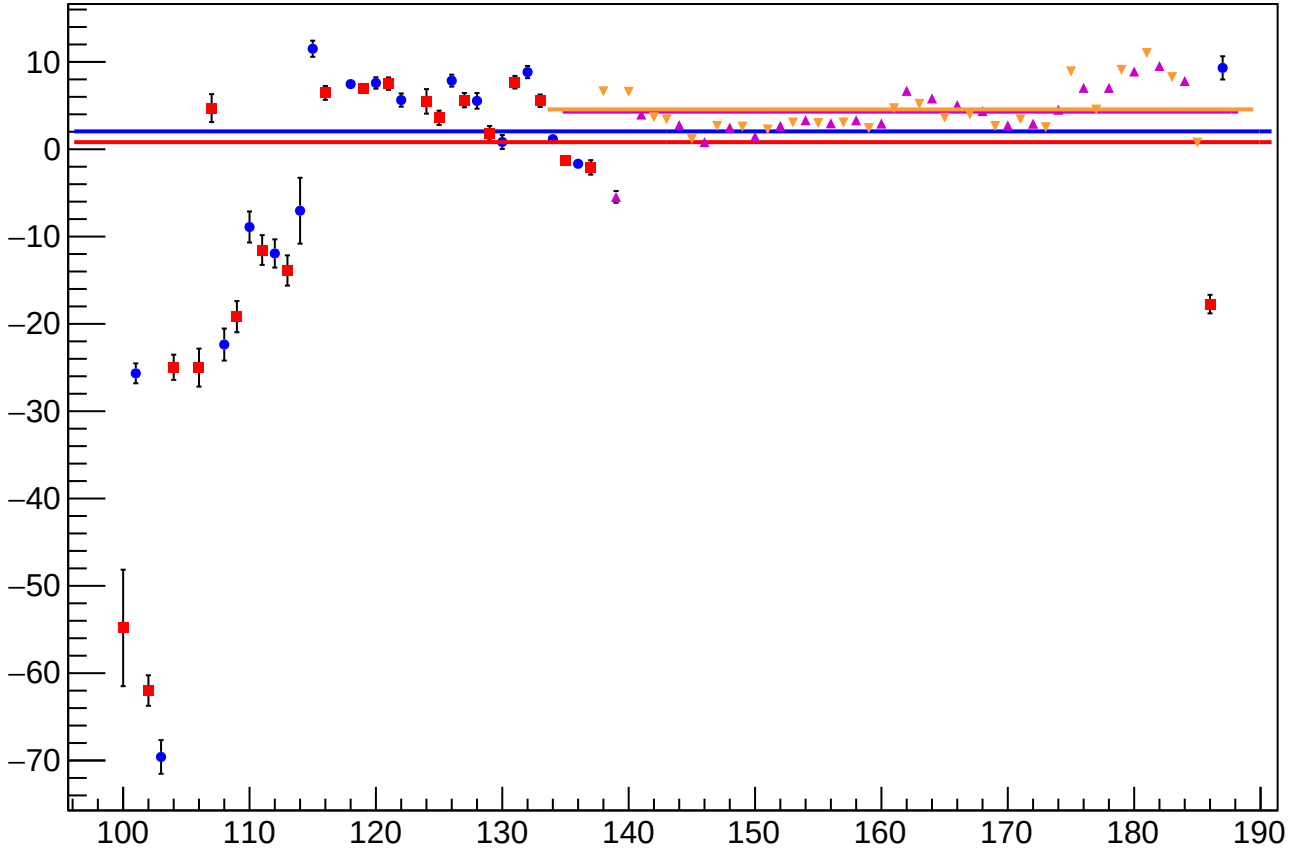
Right: -1.950+/-0.134 χ^2/NDF: 7545.2/36

In: -10.669+/-0.052 χ^2/NDF:11248.9/39

Out: -10.909+/-0.051 χ^2/NDF:22872.5/44

All: -10.791+/-0.036 χ^2/NDF: 34132.2/84

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.046+/-0.187 χ^2/NDF: 2868.8/16

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.815+/-0.204 χ^2/NDF: 2875.4/19

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

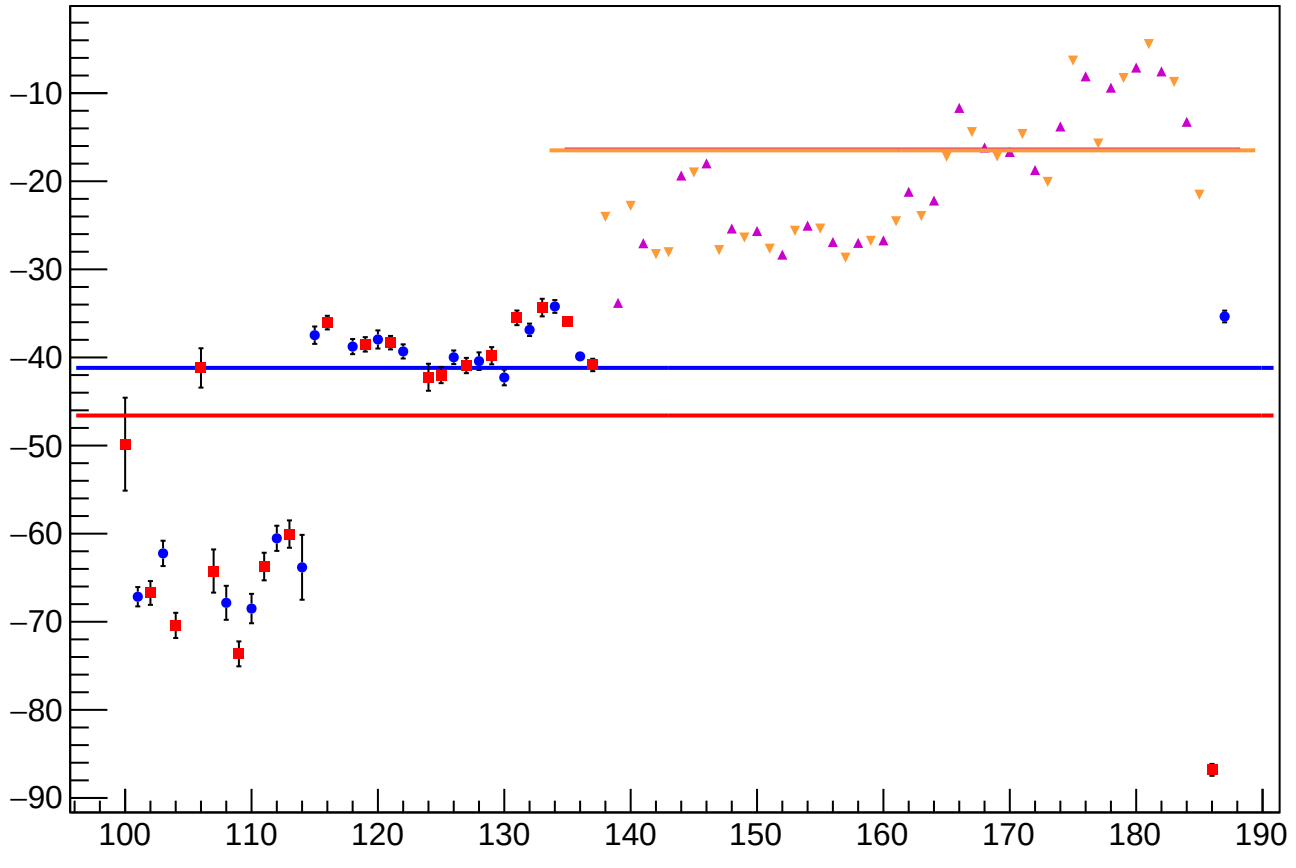
Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

Right: 1.484+/-0.138 χ^2/NDF: 5763.9/36

In: 4.199+/-0.041 χ^2/NDF:6616.9/39

Out: 4.416+/-0.041 χ^2/NDF:7555.0/44

All: 4.309+/-0.029 χ^2/NDF: 14186.0/84



Right In: -41.184+/-0.198 χ^2/NDF: 1718.1/16

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -46.589+/-0.216 χ^2/NDF: 5932.6/19

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

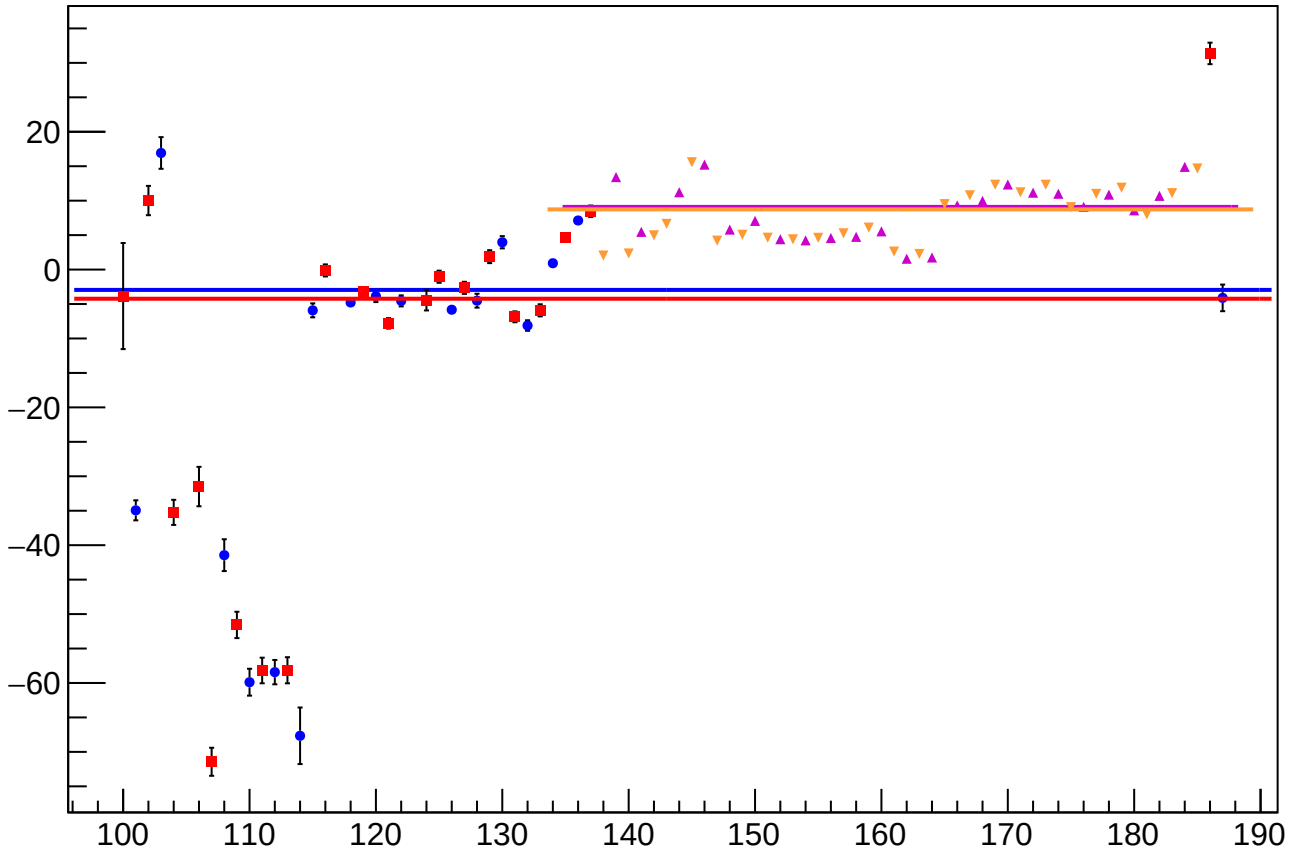
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -43.651+/-0.146 χ^2/NDF: 7990.1/36

In: -18.110+/-0.052 χ^2/NDF:34304.3/39

Out: -18.184+/-0.051 χ^2/NDF:46194.4/44

All: -18.148+/-0.037 χ^2/NDF: 80499.7/84



Right In: -2.950+/-0.208 χ^2/NDF: 3726.0/16

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -4.231+/-0.229 χ^2/NDF: 4910.1/19

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

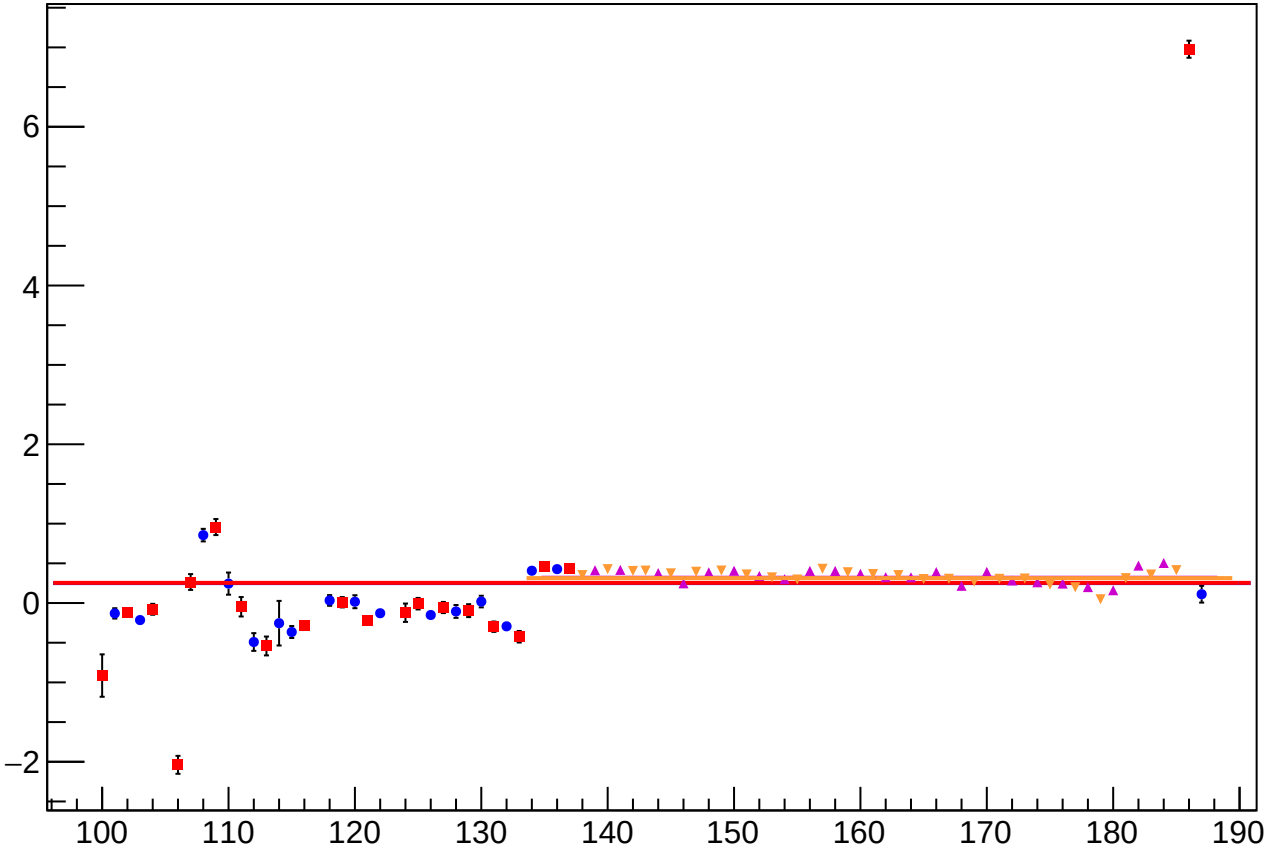
Right: -3.530+/-0.154 χ^2/NDF: 8653.2/36

In: 8.511+/-0.046 χ^2/NDF:12643.4/39

Out: 8.229+/-0.045 χ^2/NDF:14858.8/44

All: 8.368+/-0.032 χ^2/NDF: 27521.4/84

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.251+/-0.011 χ^2/NDF: 632.7/16

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.254+/-0.013 χ^2/NDF: 4984.3/19

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

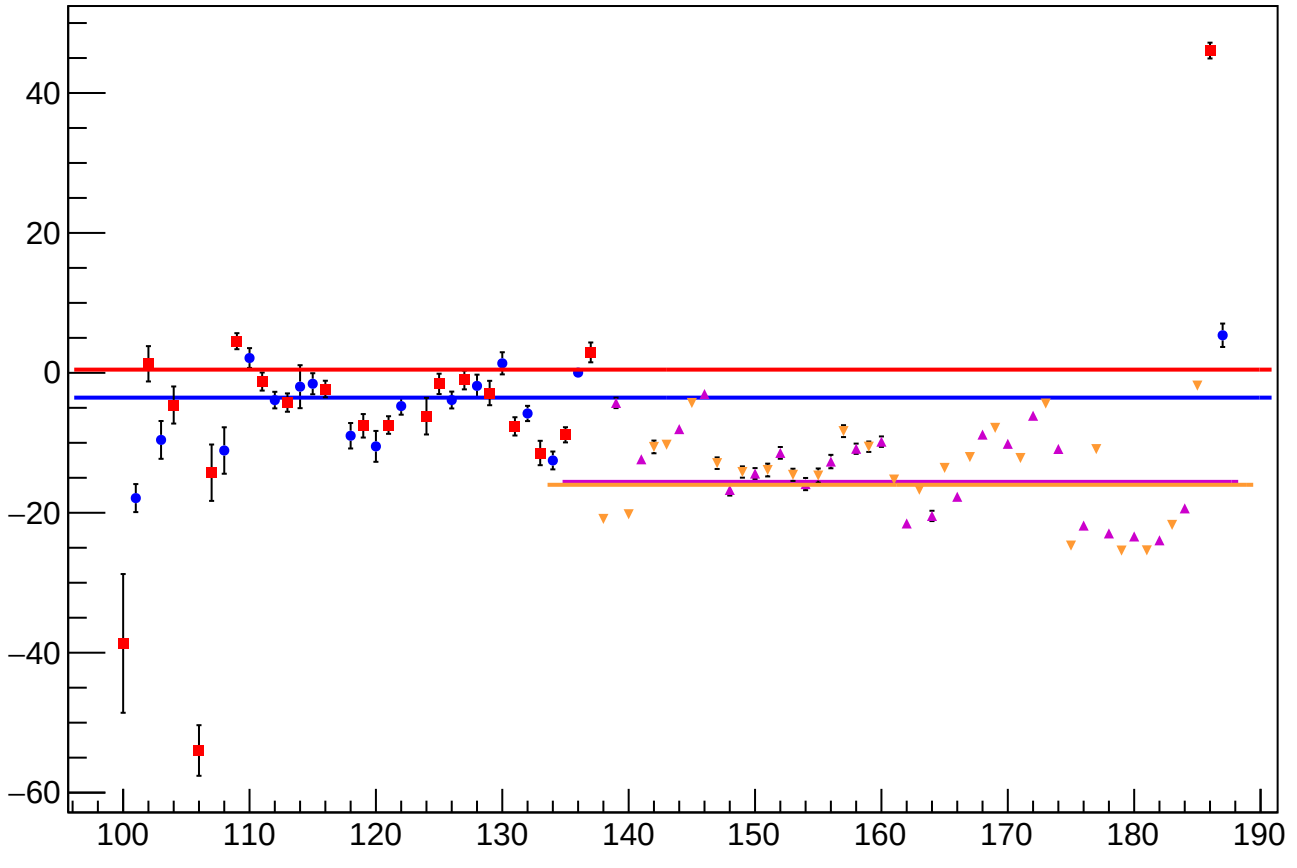
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.252+/-0.009 χ^2/NDF: 5617.0/36

In: 0.316+/-0.002 χ^2/NDF:2454.4/39

Out: 0.313+/-0.002 χ^2/NDF:6606.4/44

All: 0.314+/-0.001 χ^2/NDF: 9062.6/84



Right In: -3.542+/-0.339 χ^2/NDF: 218.4/16

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 0.460+/-0.340 χ^2/NDF: 2161.8/19

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

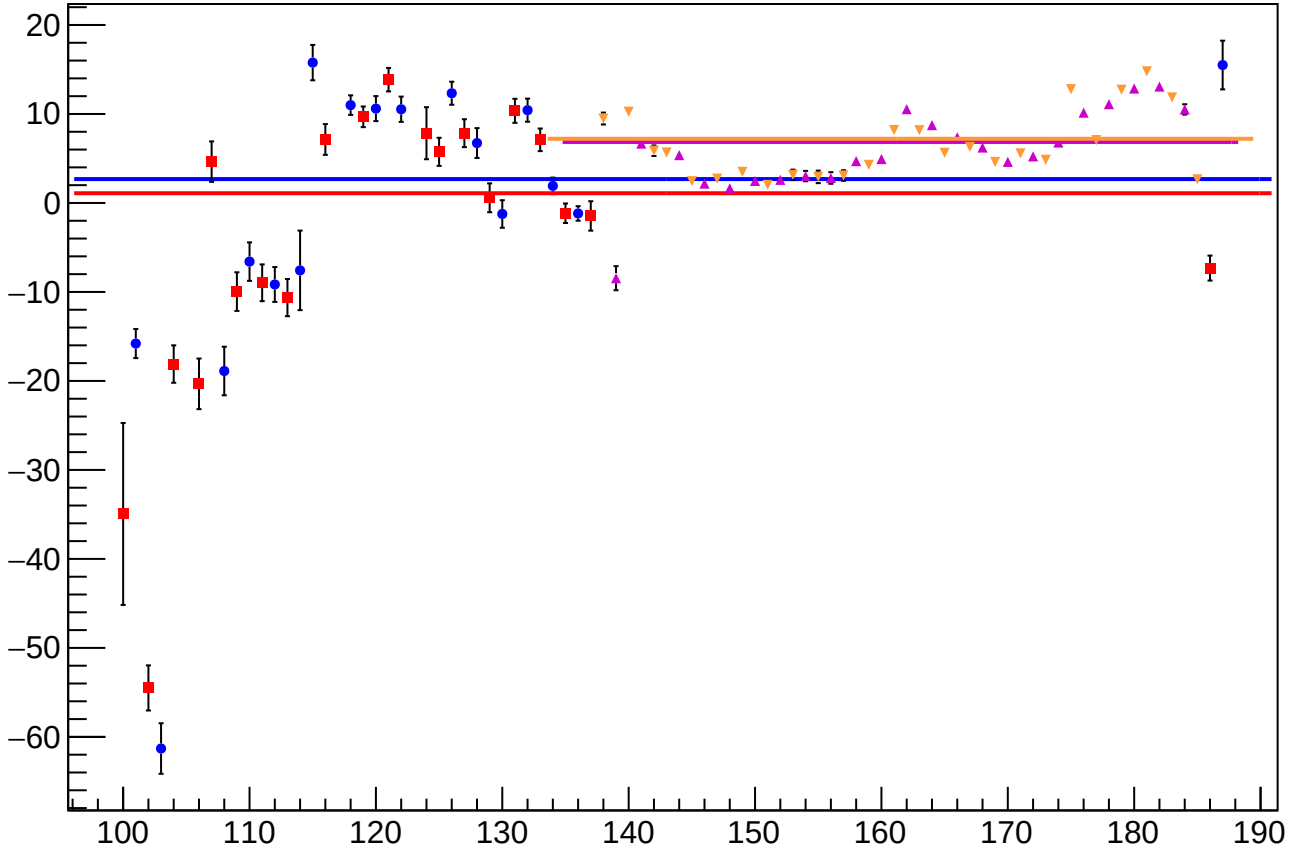
Right: -1.549+/-0.240 χ^2/NDF: 2449.7/36

In: -14.582+/-0.098 χ^2/NDF:6135.9/39

Out: -14.706+/-0.095 χ^2/NDF:10281.3/44

All: -14.646+/-0.068 χ^2/NDF: 16418.0/84

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.683+/-0.354 χ^2/NDF: 1069.0/16

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 1.092+/-0.372 χ^2/NDF: 1021.7/19

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

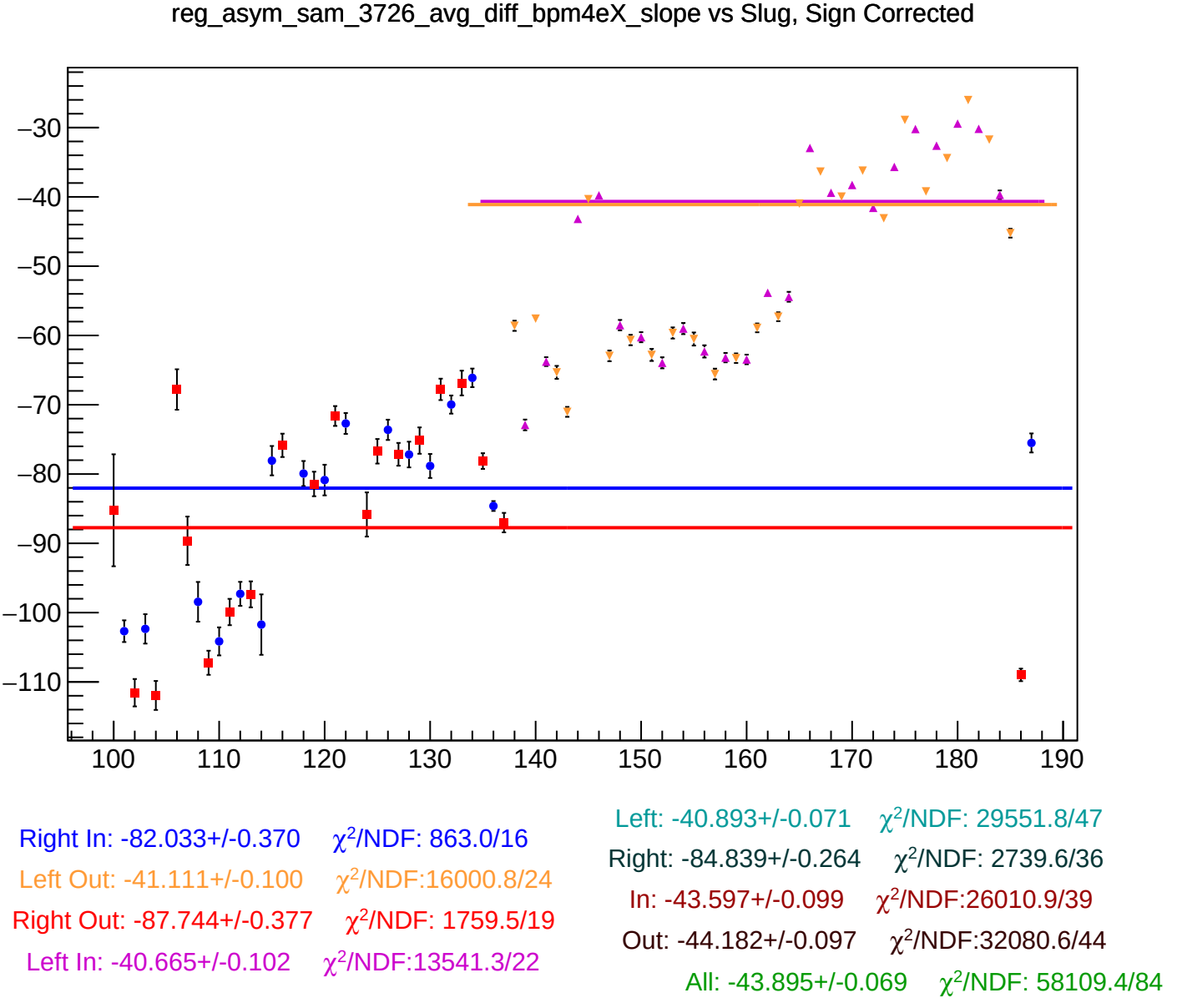
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

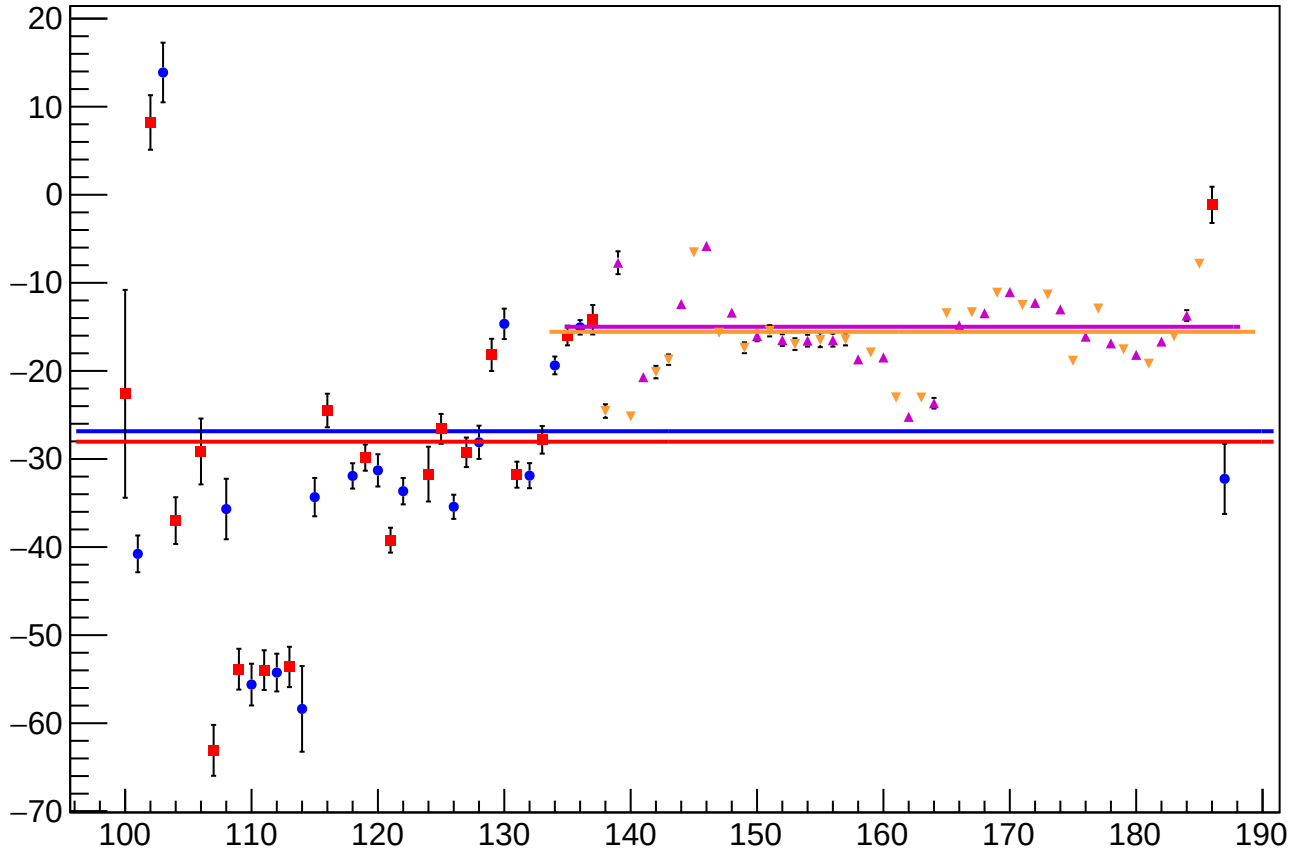
Right: 1.928+/-0.256 χ^2/NDF: 2100.3/36

In: 6.648+/-0.079 χ^2/NDF:3357.6/39

Out: 6.941+/-0.078 χ^2/NDF:3735.9/44

All: 6.796+/-0.056 χ^2/NDF: 7100.4/84


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
180
190
Right In: -82.033+/-0.370 χ2/NDF: 863.0/16
Left Out: -41.111+/-0.100 χ2/NDF:16000.8/24
Right Out: -87.744+/-0.377 χ2/NDF: 1759.5/19
Left In: -40.665+/-0.102 χ2/NDF:13541.3/22
Left: -40.893+/-0.071 χ2/NDF: 29551.8/47
Right: -84.839+/-0.264 χ2/NDF: 2739.6/36
In: -43.597+/-0.099 χ2/NDF:26010.9/39
Out: -44.182+/-0.097 χ2/NDF:32080.6/44
All: -43.895+/-0.069 χ2/NDF: 58109.4/84



Right In: -26.849+/-0.394 χ^2/NDF: 965.3/16

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -28.036+/-0.422 χ^2/NDF: 1138.9/19

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

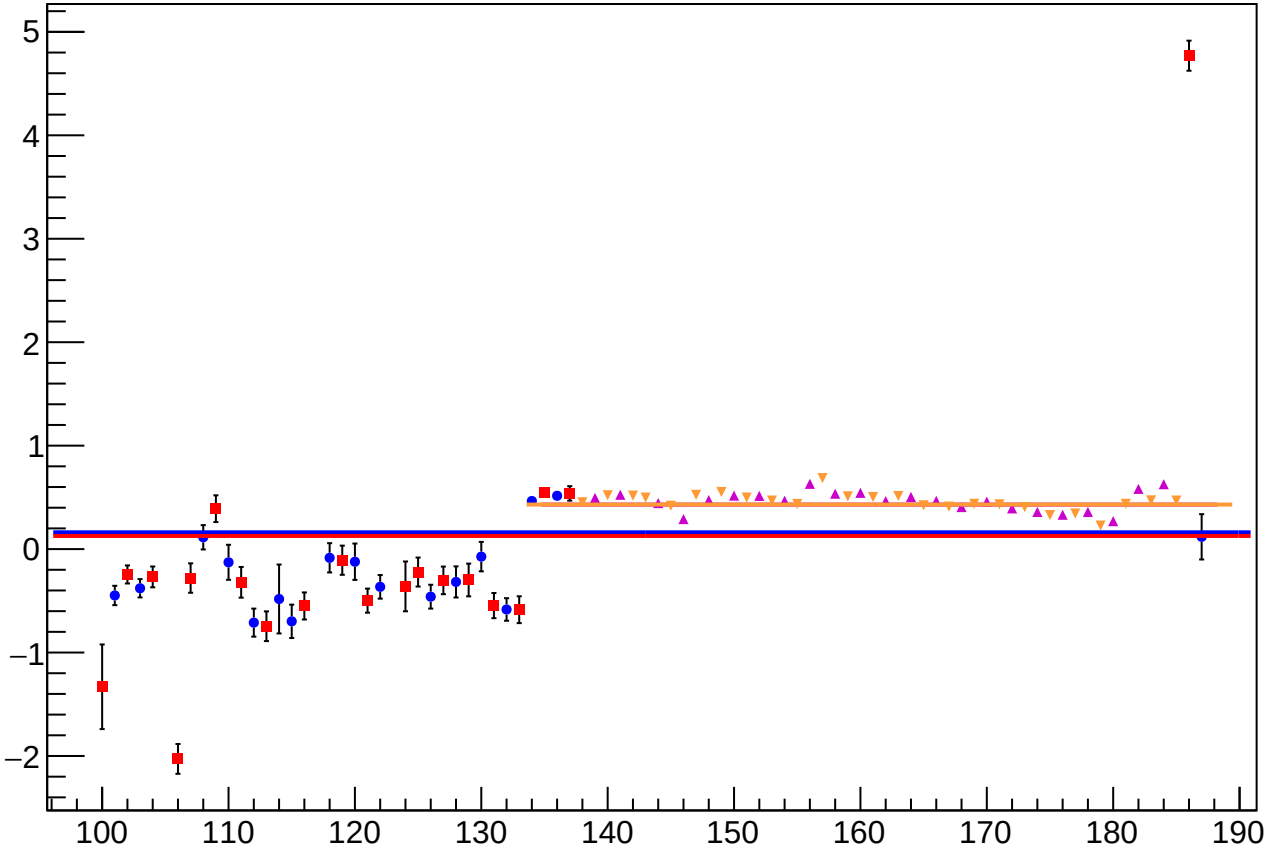
Right: -27.401+/-0.288 χ^2/NDF: 2108.4/36

In: -15.582+/-0.088 χ^2/NDF:3978.5/39

Out: -16.092+/-0.087 χ^2/NDF:4525.2/44

All: -15.840+/-0.062 χ^2/NDF: 8520.7/84

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.162+/-0.021 χ^2/NDF: 422.6/16

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.127+/-0.024 χ^2/NDF: 1623.1/19

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

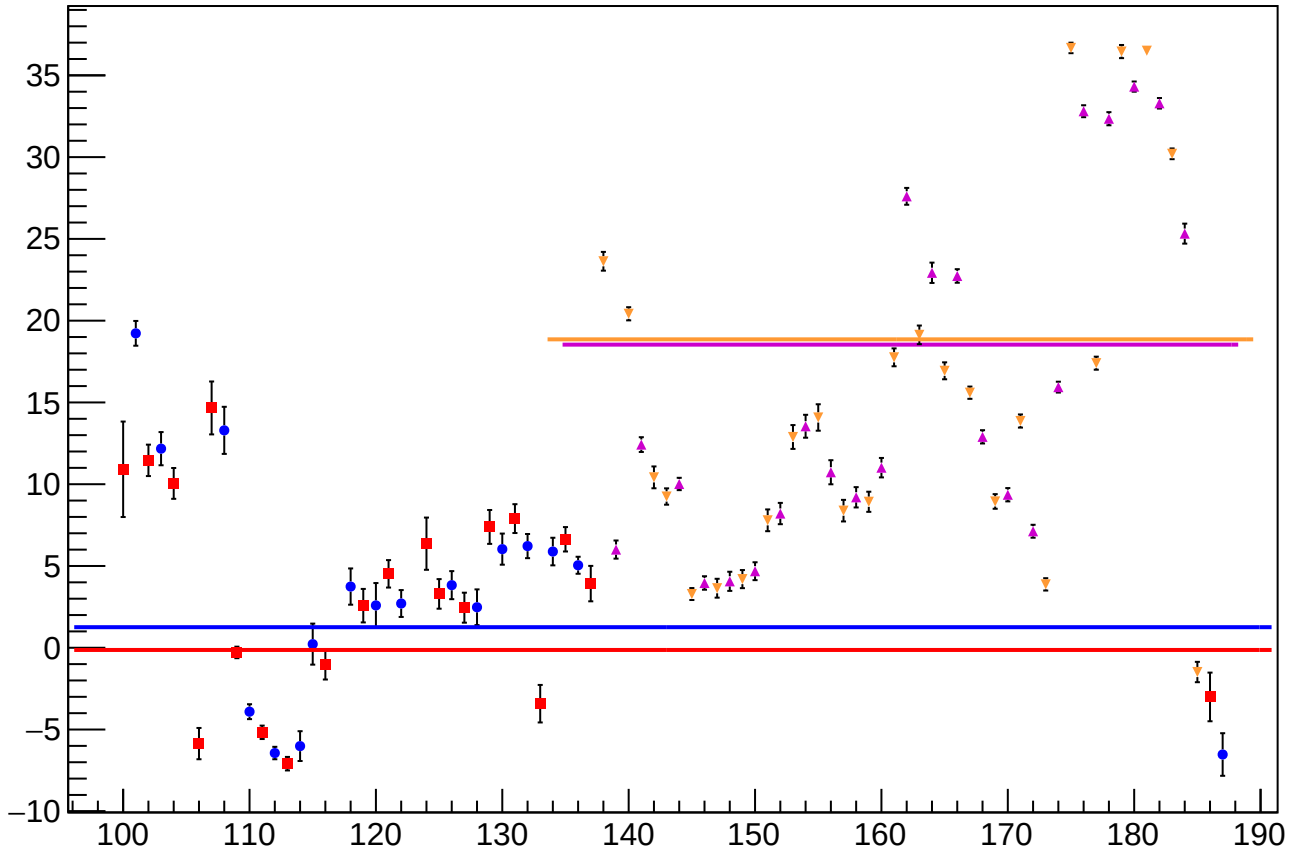
Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

Right: 0.147+/-0.016 χ^2/NDF: 2046.9/36

In: 0.421+/-0.004 χ^2/NDF:1158.6/39

Out: 0.423+/-0.004 χ^2/NDF:2196.3/44

All: 0.422+/-0.003 χ^2/NDF: 3355.0/84



Right In: 1.258+/-0.181 χ^2/NDF: 1558.6/16

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: -0.135+/-0.166 χ^2/NDF: 1151.0/19

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

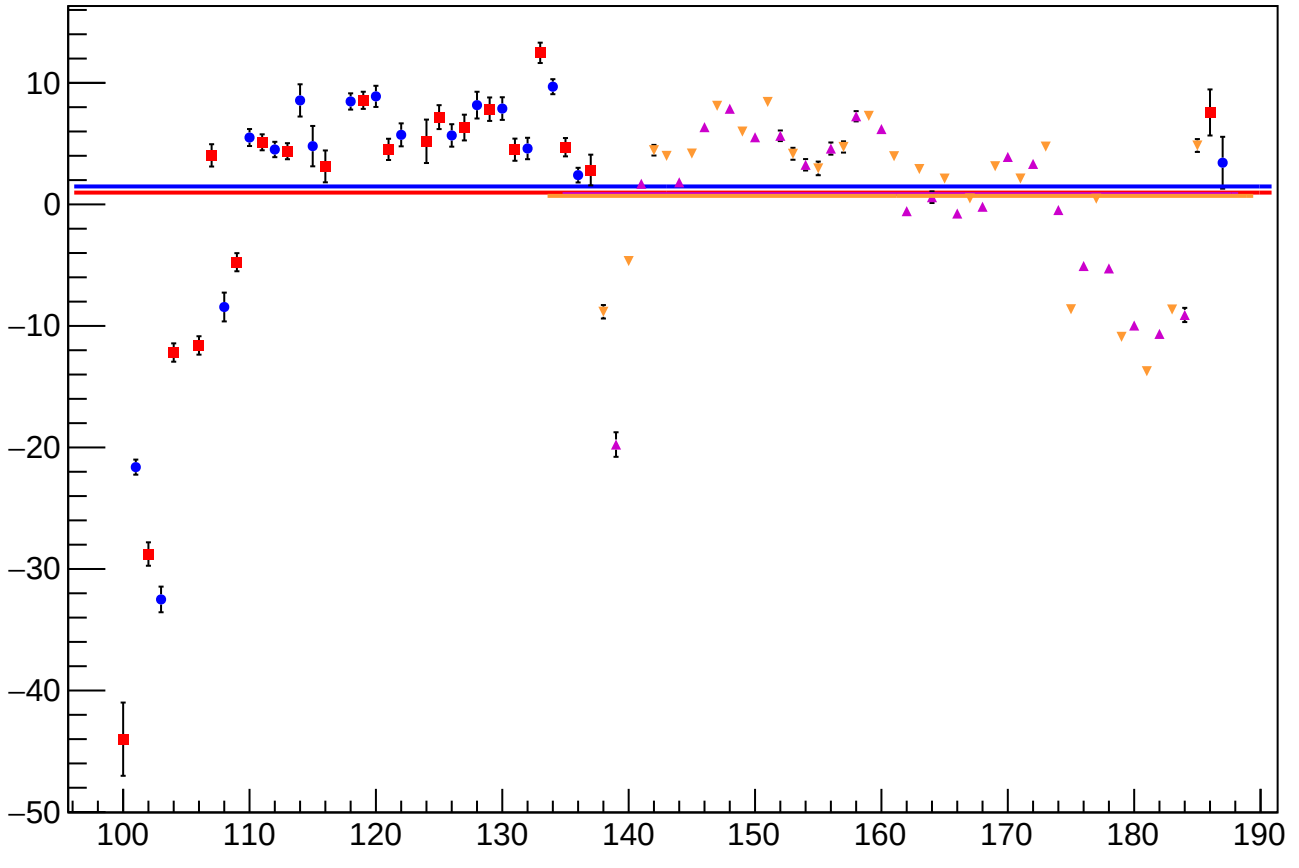
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 0.502+/-0.123 χ^2/NDF: 2741.6/36

In: 14.922+/-0.083 χ^2/NDF:22805.5/39

Out: 14.527+/-0.079 χ^2/NDF:29588.2/44

All: 14.716+/-0.057 χ^2/NDF: 52405.6/84



Right In: 1.477+/-0.203 χ^2/NDF: 3081.1/16

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.971+/-0.201 χ^2/NDF: 2389.3/19

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

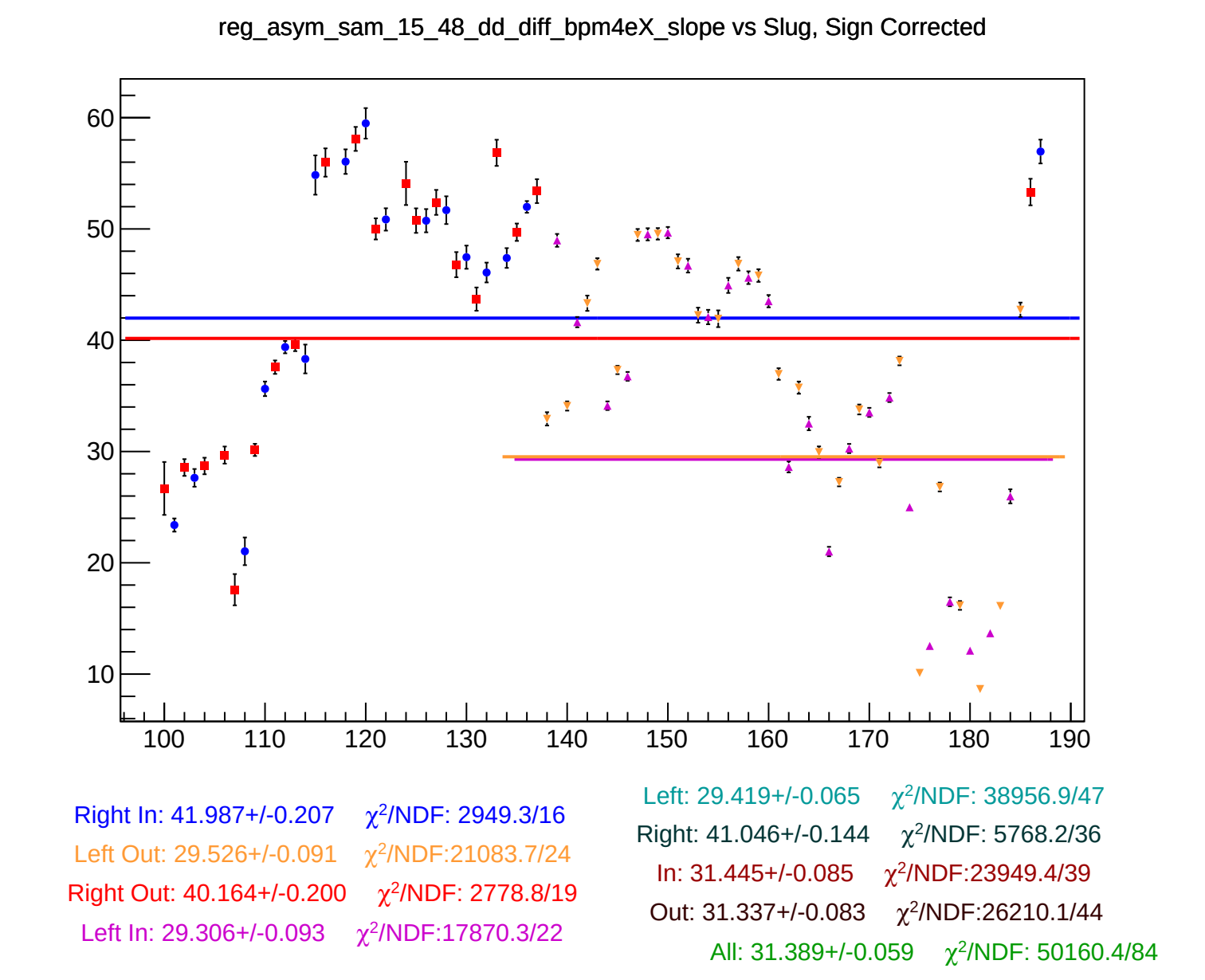
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

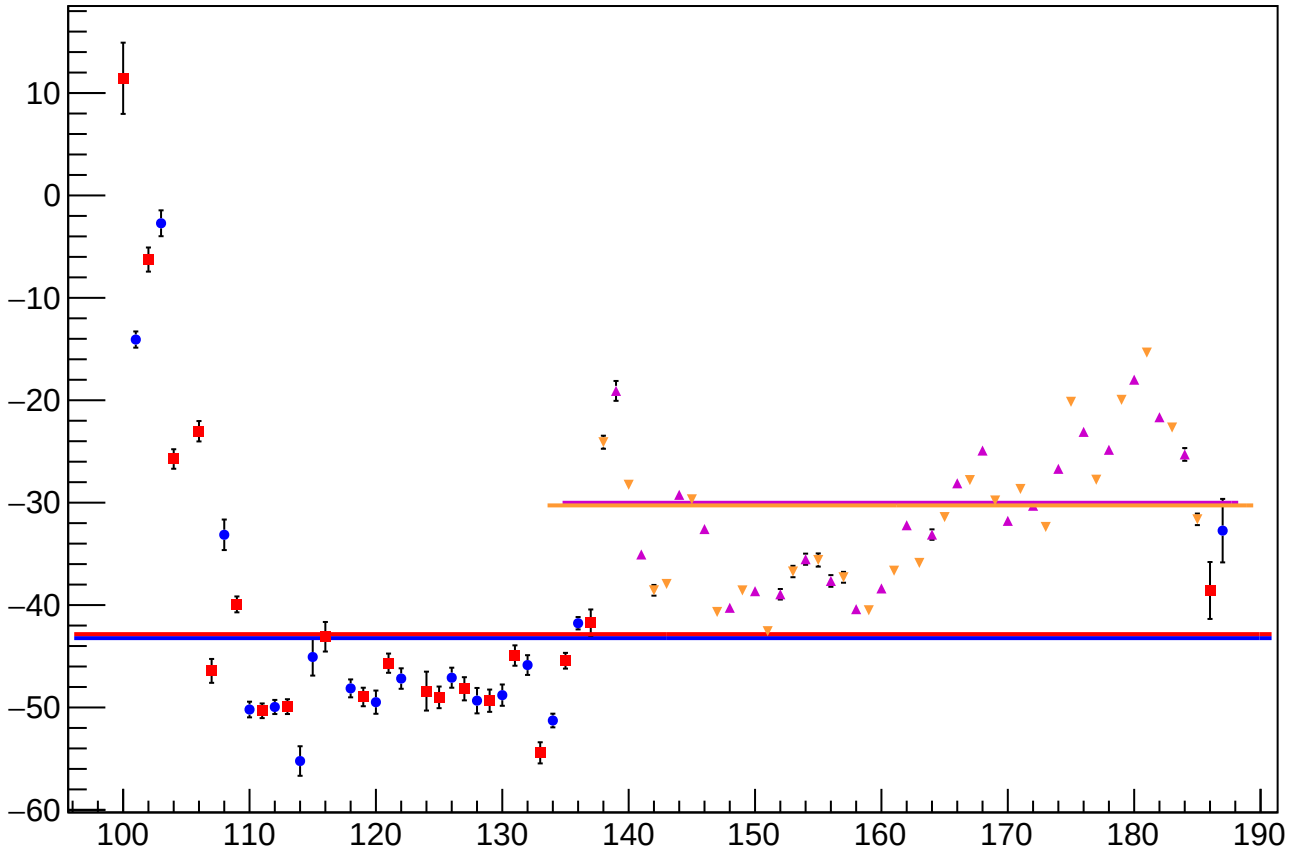
Right: 1.222+/-0.143 χ^2/NDF: 5473.6/36

In: 0.918+/-0.068 χ^2/NDF:9135.0/39

Out: 0.732+/-0.067 χ^2/NDF:10628.7/44

All: 0.823+/-0.048 χ^2/NDF: 19767.6/84


reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
190
Right In: 41.987+/-0.207 χ2/NDF: 2949.3/16
Left Out: 29.526+/-0.091 χ2/NDF:21083.7/24
Right Out: 40.164+/-0.200 χ2/NDF: 2778.8/19
Left In: 29.306+/-0.093 χ2/NDF:17870.3/22
Left: 29.419+/-0.065 χ2/NDF: 38956.9/47
Right: 41.046+/-0.144 χ2/NDF: 5768.2/36
In: 31.445+/-0.085 χ2/NDF:23949.4/39
Out: 31.337+/-0.083 χ2/NDF:26210.1/44
All: 31.389+/-0.059 χ2/NDF: 50160.4/84



Right In: -43.228+/-0.229 χ^2/NDF: 2996.7/16

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -42.838+/-0.228 χ^2/NDF: 2456.6/19

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

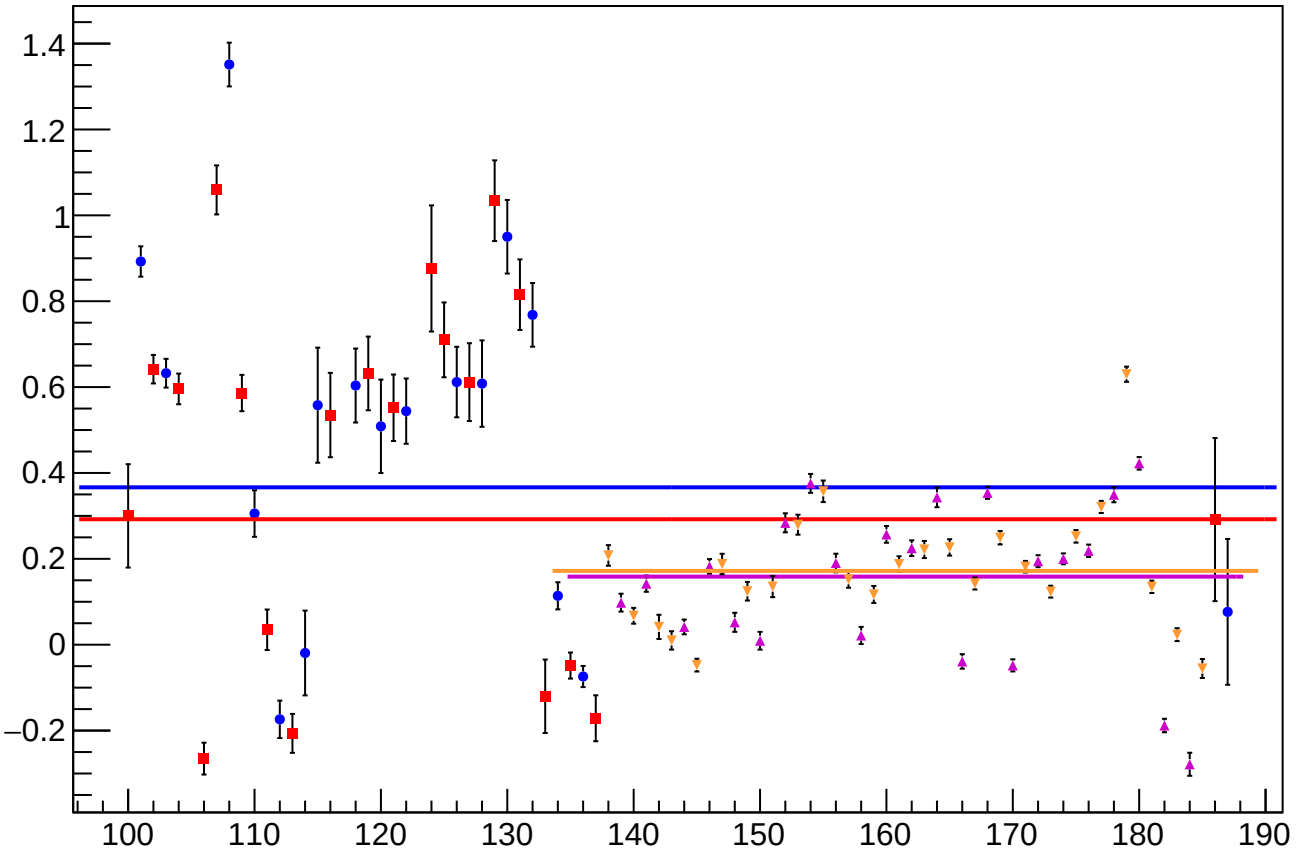
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -43.033+/-0.162 χ^2/NDF: 5454.7/36

In: -31.495+/-0.077 χ^2/NDF:12044.4/39

Out: -31.620+/-0.075 χ^2/NDF:13663.2/44

All: -31.559+/-0.054 χ^2/NDF: 25708.9/84



Right In: 0.367+/-0.012 χ^2/NDF: 1323.8/16

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/19

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

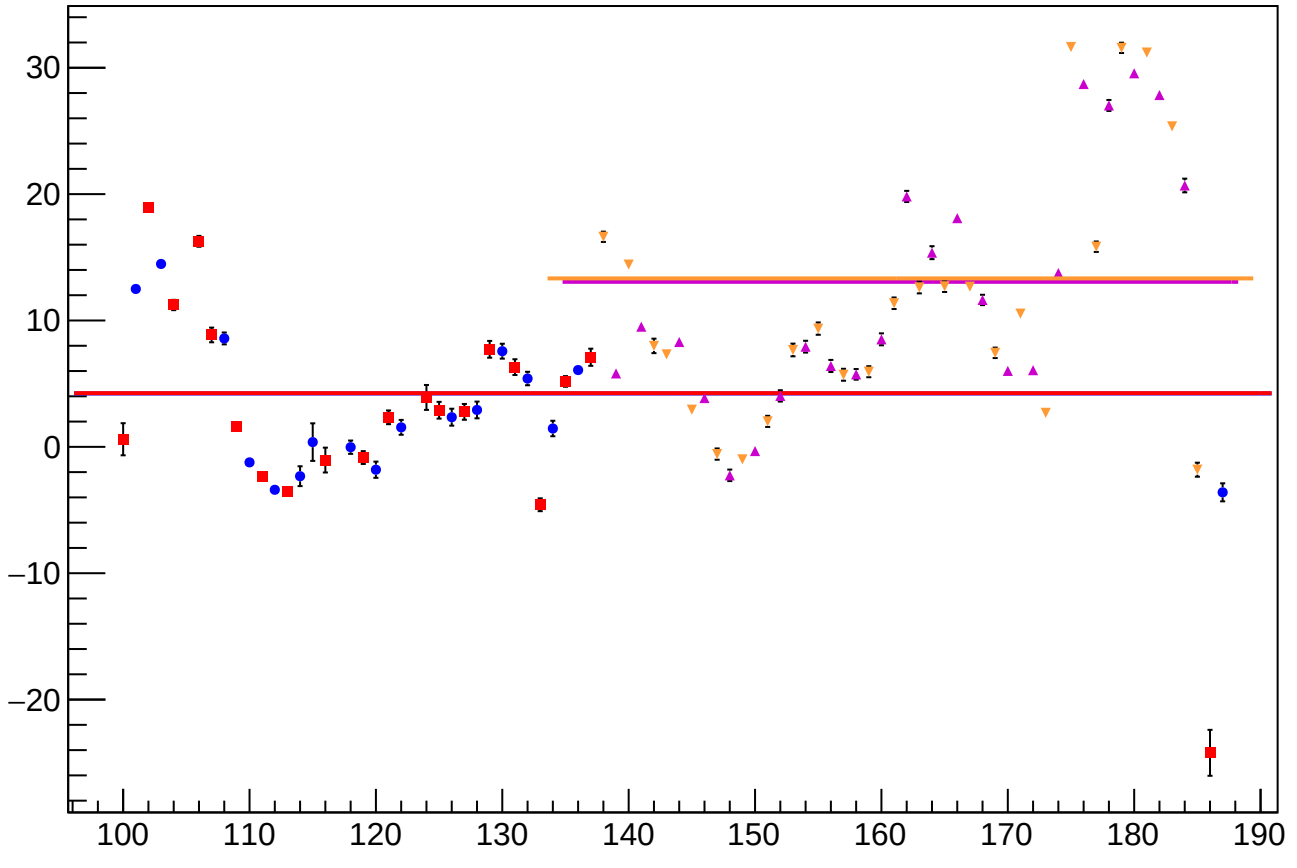
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

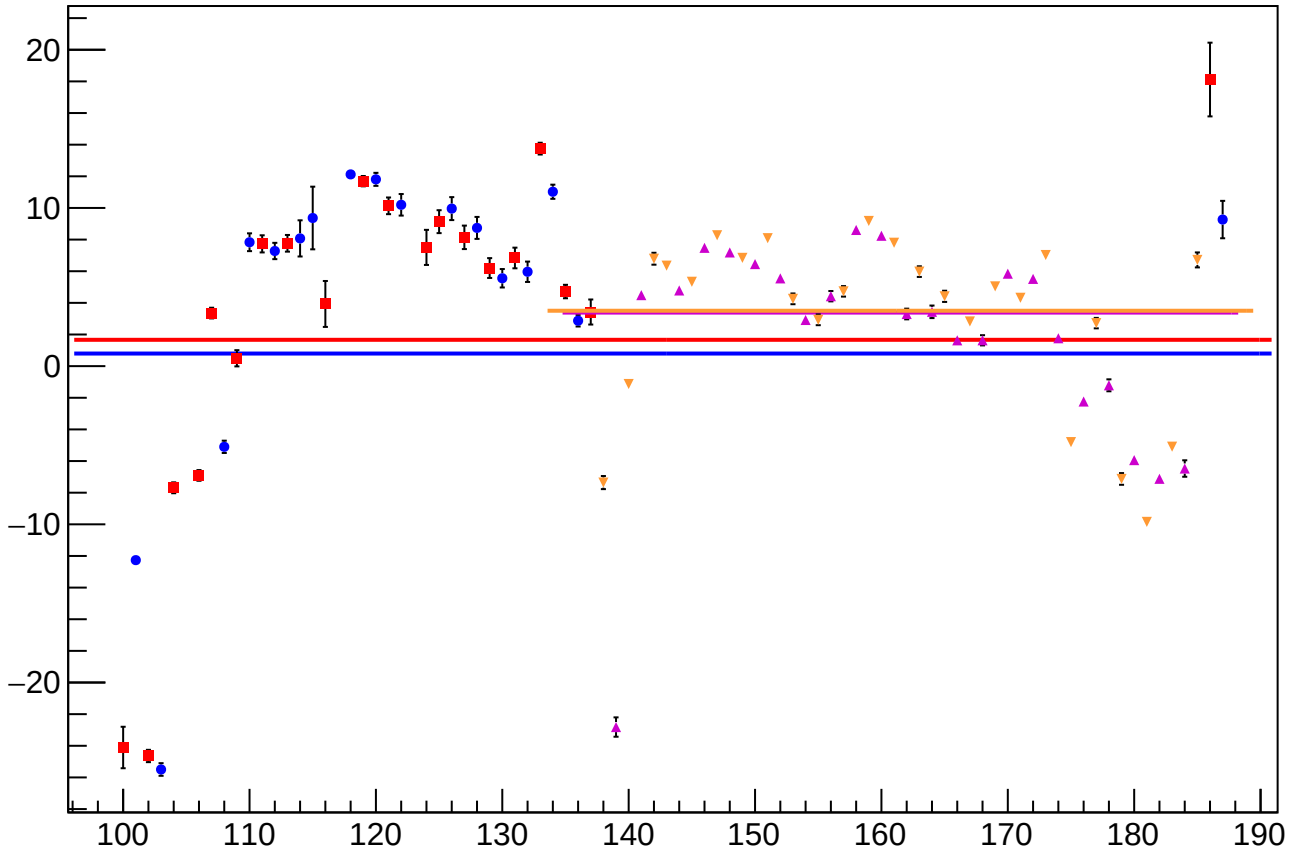
Right: 0.329+/-0.009 χ^2/NDF: 2541.8/36

In: 0.176+/-0.003 χ^2/NDF:3779.4/39

Out: 0.181+/-0.003 χ^2/NDF:2791.9/44

All: 0.179+/-0.002 χ^2/NDF: 6572.8/84


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: 4.225+/-0.115 χ²/NDF: 2745.4/16
Left Out: 13.331+/-0.077 χ²/NDF:19432.7/24
Right Out: 4.248+/-0.109 χ²/NDF: 4451.2/19
Left In: 13.061+/-0.079 χ²/NDF:15559.8/22
Left: 13.200+/-0.055 χ²/NDF: 34998.5/47
Right: 4.237+/-0.079 χ²/NDF: 7196.6/36
In: 10.227+/-0.065 χ²/NDF:22285.6/39
Out: 10.316+/-0.063 χ²/NDF:28530.4/44
All: 10.273+/-0.045 χ²/NDF: 50817.0/84



Right In: 0.796+/-0.115 χ^2/NDF: 10505.8/16

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: 1.664+/-0.111 χ^2/NDF: 9305.5/19

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

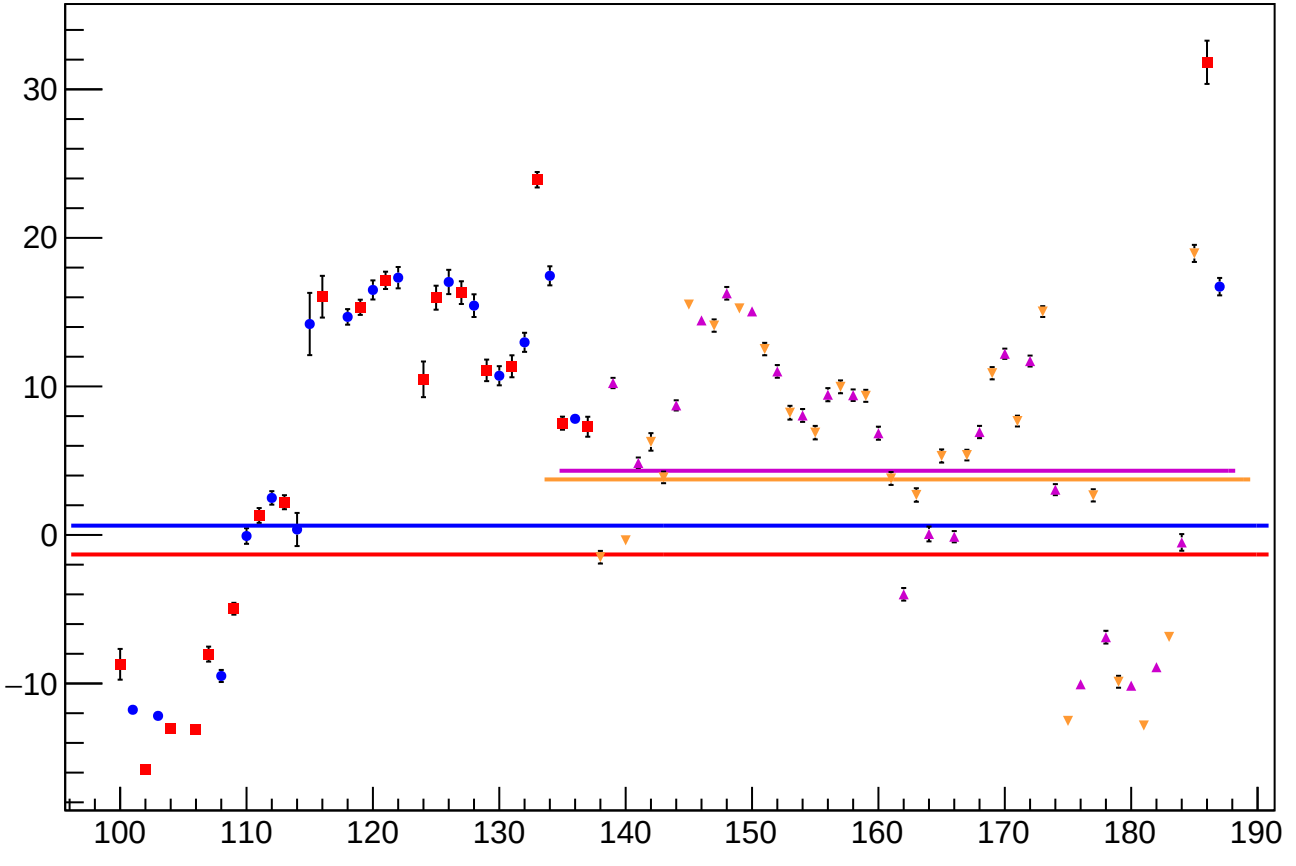
Right: 1.247+/-0.080 χ^2/NDF: 19840.7/36

In: 2.819+/-0.054 χ^2/NDF:17606.9/39

Out: 3.101+/-0.052 χ^2/NDF:17431.9/44

All: 2.966+/-0.037 χ^2/NDF: 35053.0/84

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.627+/-0.117 χ^2/NDF: 10056.6/16

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: -1.314+/-0.115 χ^2/NDF: 12651.1/19

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

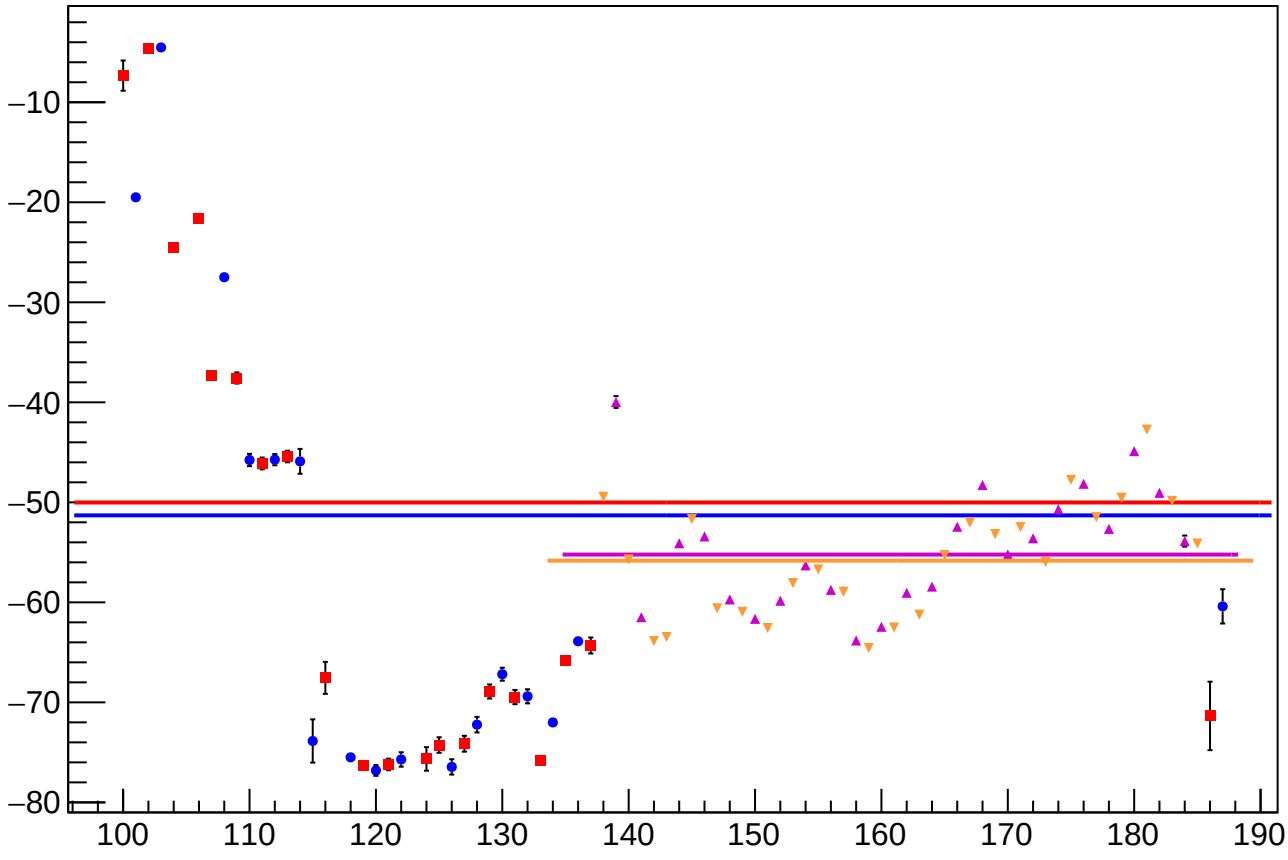
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: -0.362+/-0.082 χ^2/NDF: 22848.1/36

In: 3.173+/-0.065 χ^2/NDF:23227.4/39

Out: 2.186+/-0.064 χ^2/NDF:29581.1/44

All: 2.667+/-0.046 χ^2/NDF: 52925.9/84



Right In: -51.303+/-0.135 χ^2/NDF: 33793.7/16

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -50.014+/-0.131 χ^2/NDF: 33931.5/19

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

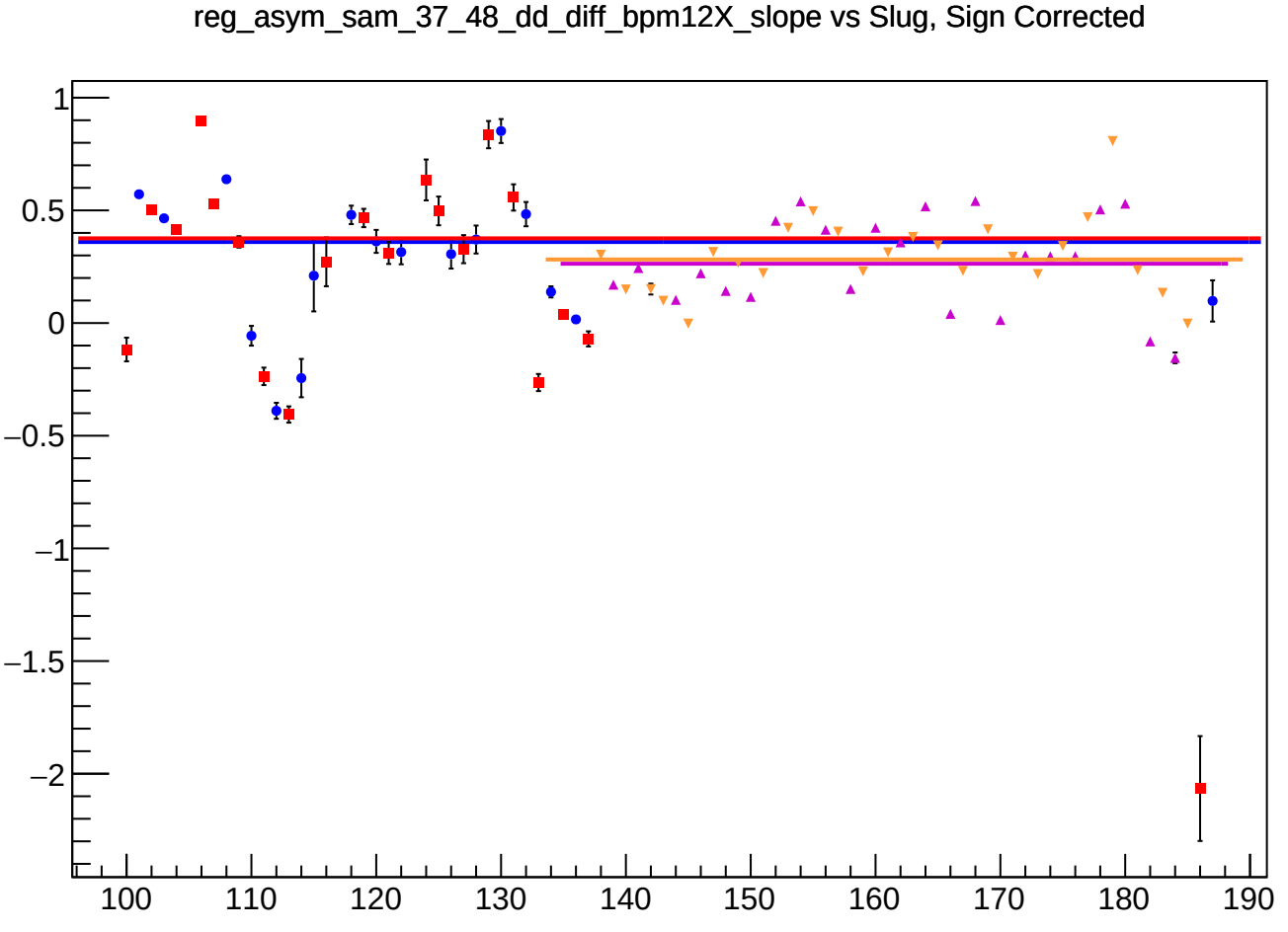
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

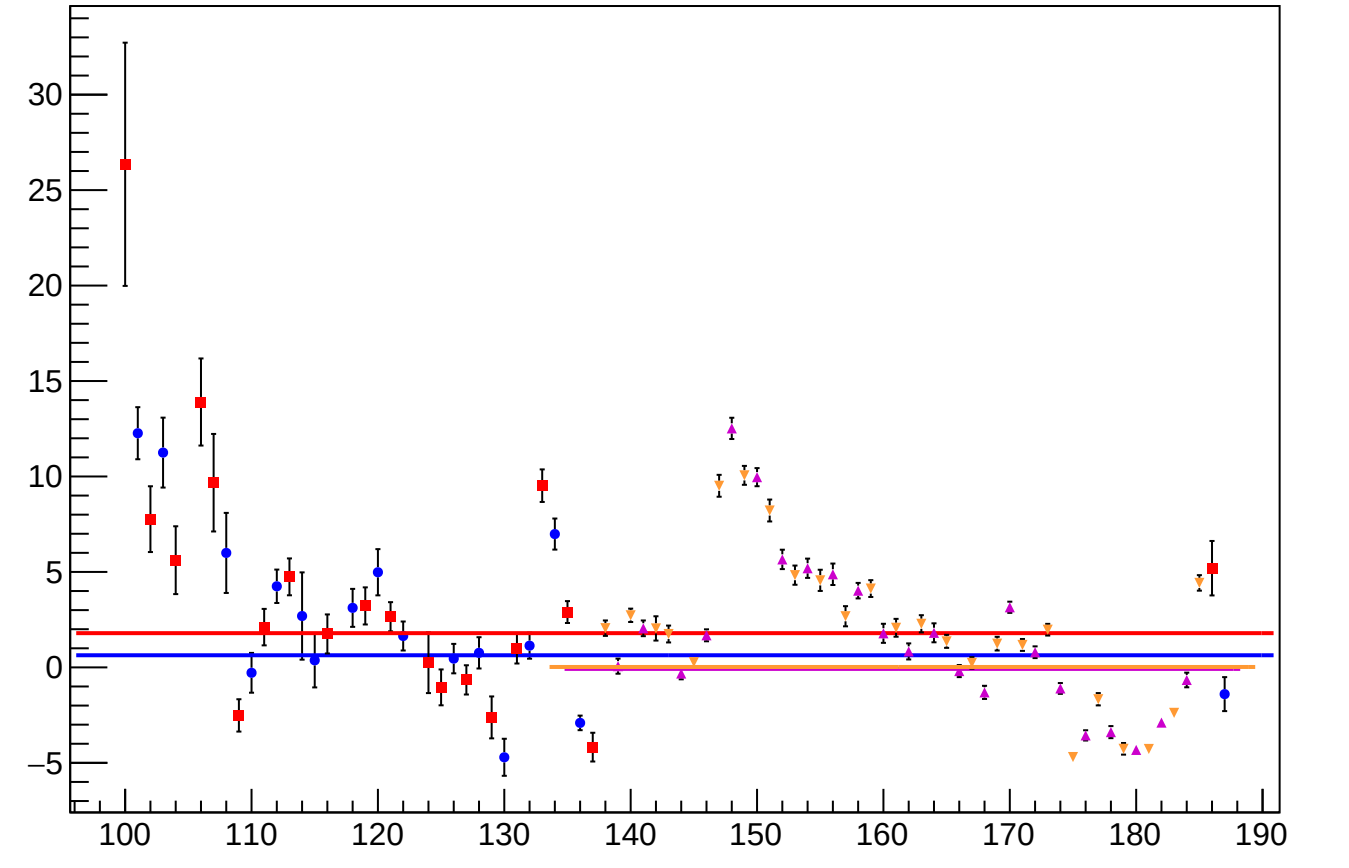
Right: -50.636+/-0.094 χ^2/NDF: 67772.1/36

In: -54.419+/-0.061 χ^2/NDF:40803.4/39

Out: -54.638+/-0.059 χ^2/NDF:43101.5/44

All: -54.533+/-0.043 χ^2/NDF: 83911.6/84


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.360+/-0.006 χ²/NDF: 1868.2/16
Left Out: 0.282+/-0.003 χ²/NDF:2712.4/24
Right Out: 0.376+/-0.006 χ²/NDF: 2900.7/19
Left In: 0.263+/-0.003 χ²/NDF:3835.8/22
Left: 0.273+/-0.002 χ²/NDF: 6568.0/47
Right: 0.368+/-0.004 χ²/NDF: 4772.3/36
In: 0.281+/-0.003 χ²/NDF:5891.8/39
Out: 0.300+/-0.003 χ²/NDF:5803.2/44
All: 0.291+/-0.002 χ²/NDF: 11719.5/84



Right In: 0.636+/-0.207 χ^2/NDF: 335.6/16

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.793+/-0.220 χ^2/NDF: 299.7/19

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

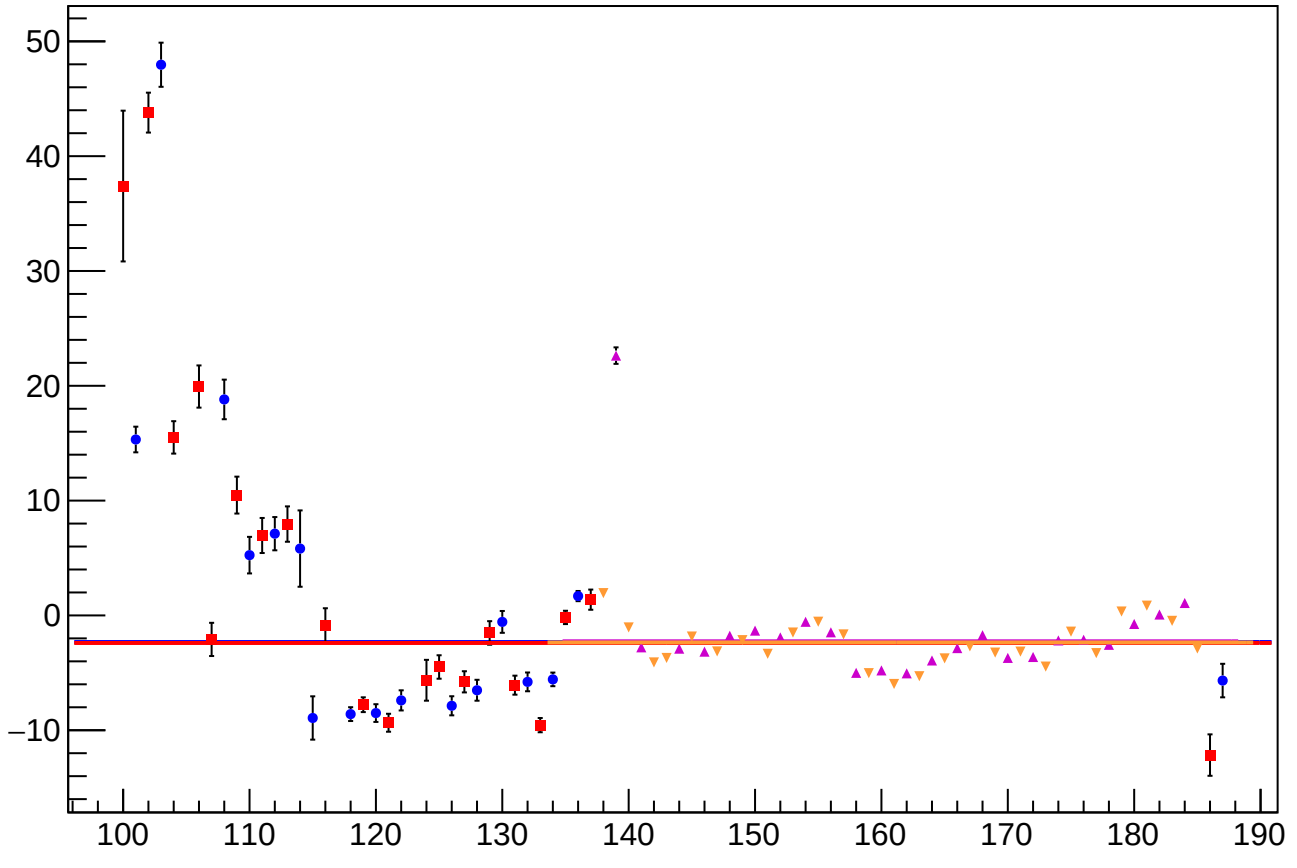
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 1.178+/-0.151 χ^2/NDF: 650.0/36

In: -0.005+/-0.067 χ^2/NDF:2810.9/39

Out: 0.178+/-0.065 χ^2/NDF:3118.0/44

All: 0.089+/-0.047 χ^2/NDF: 5932.7/84



Right In: -2.318+/-0.213 χ^2/NDF: 1577.9/16

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -2.399+/-0.227 χ^2/NDF: 1585.4/19

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

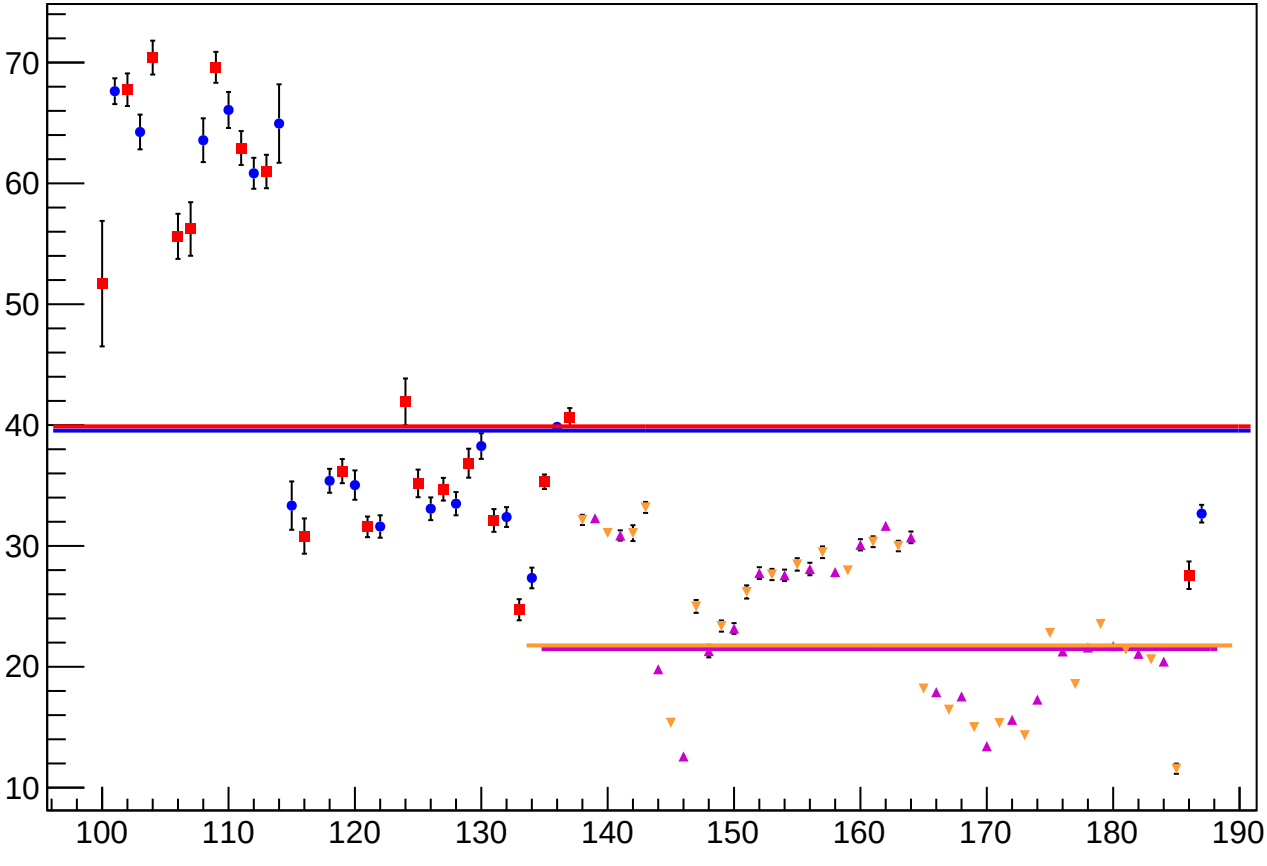
Right: -2.356+/-0.155 χ^2/NDF: 3163.4/36

In: -2.261+/-0.054 χ^2/NDF:3455.2/39

Out: -2.355+/-0.054 χ^2/NDF:2711.1/44

All: -2.309+/-0.038 χ^2/NDF: 6167.8/84

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 39.544+/-0.221 χ^2/NDF: 2388.3/16

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 39.895+/-0.245 χ^2/NDF: 2820.6/19

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

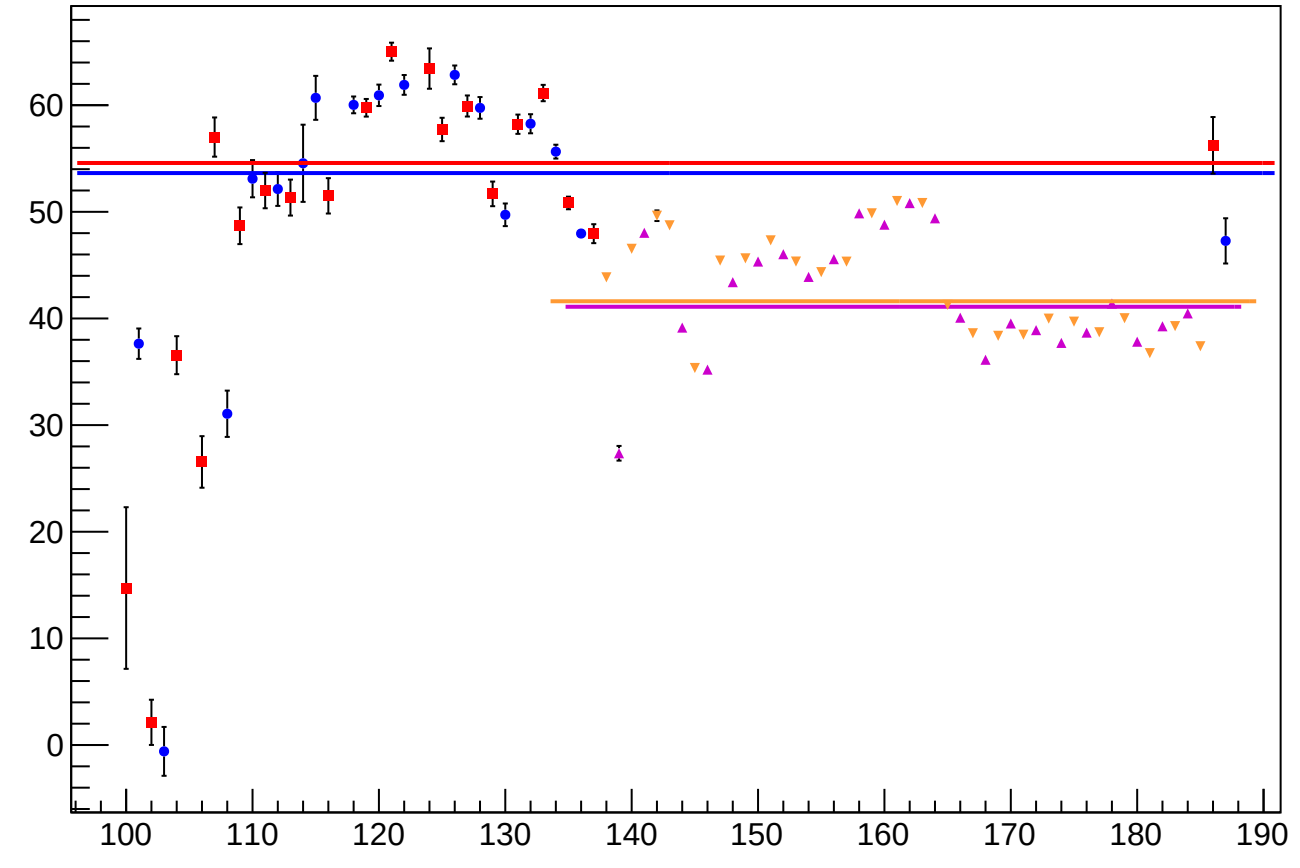
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 39.701+/-0.164 χ^2/NDF: 5210.0/36

In: 23.151+/-0.067 χ^2/NDF:14260.3/39

Out: 23.099+/-0.066 χ^2/NDF:14723.7/44

All: 23.125+/-0.047 χ^2/NDF: 28984.3/84



Right In: 53.634+/-0.238 χ^2/NDF: 1371.8/16

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 54.580+/-0.255 χ^2/NDF: 1343.0/19

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

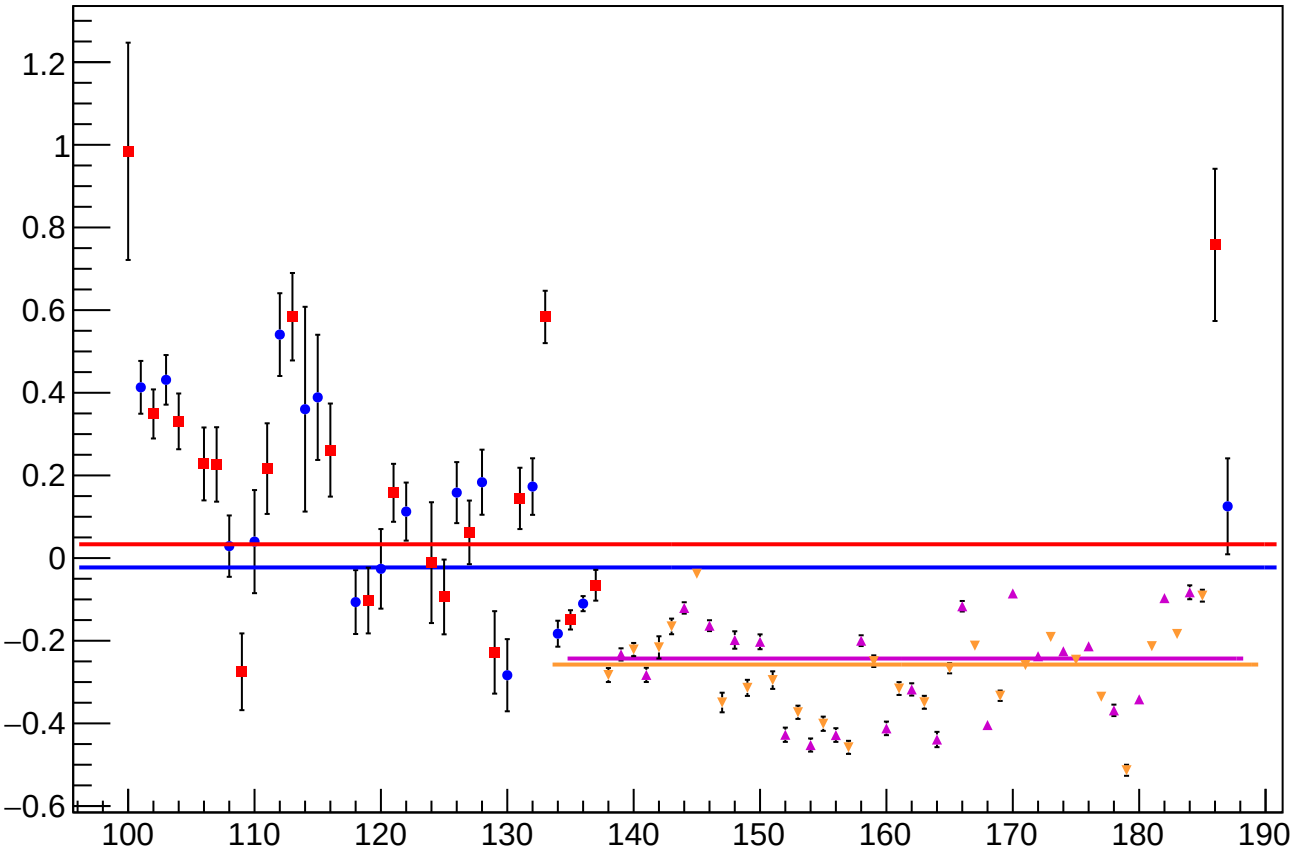
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 54.074+/-0.174 χ^2/NDF: 2722.2/36

In: 41.914+/-0.061 χ^2/NDF:9454.7/39

Out: 42.321+/-0.060 χ^2/NDF:9564.9/44

All: 42.121+/-0.042 χ^2/NDF: 19042.5/84



Right In: -0.023+/-0.013 χ^2/NDF: 231.3/16

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: 0.033+/-0.014 χ^2/NDF: 292.0/19

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

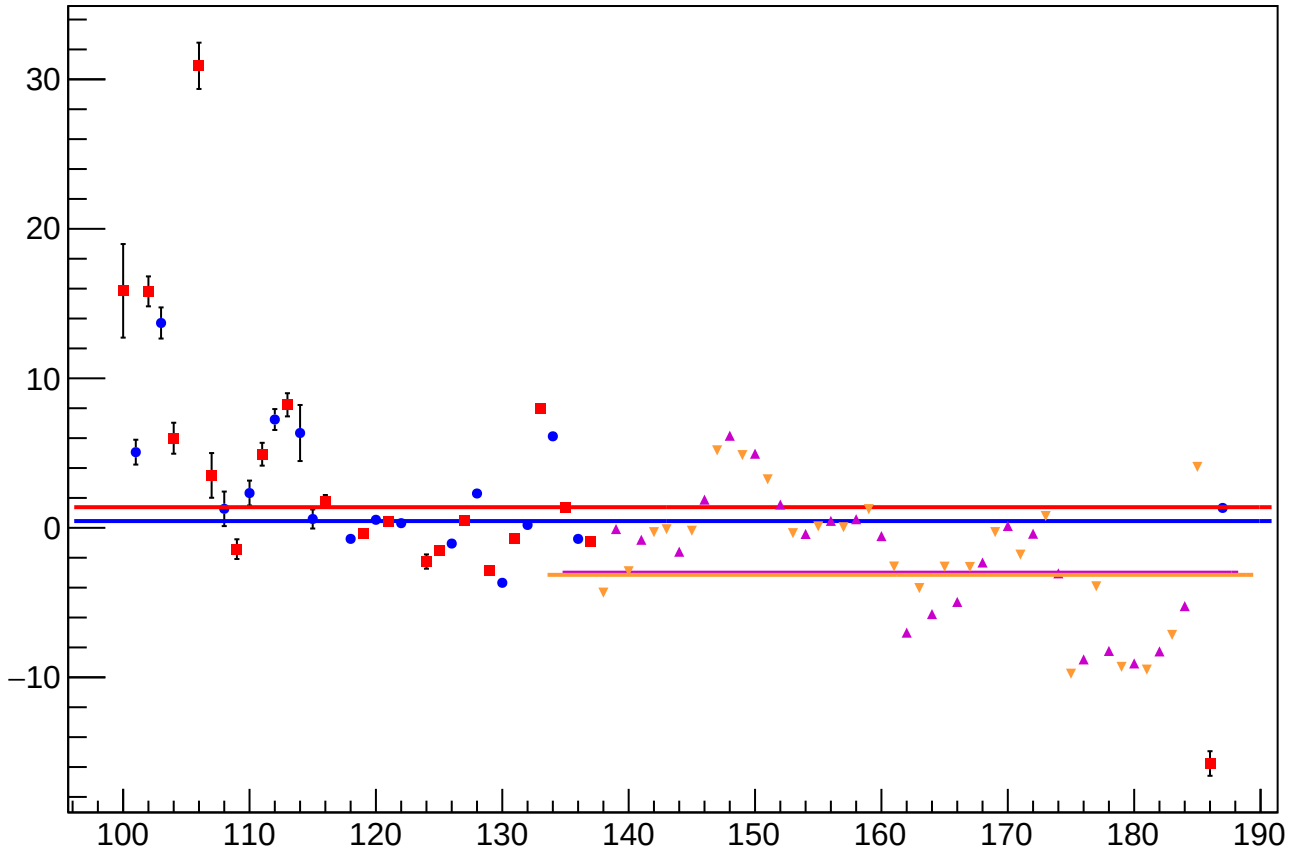
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: 0.002+/-0.009 χ^2/NDF: 532.0/36

In: -0.233+/-0.003 χ^2/NDF:2329.5/39

Out: -0.247+/-0.003 χ^2/NDF:2211.9/44

All: -0.240+/-0.002 χ^2/NDF: 4555.5/84



Right In: 0.452+/-0.075 χ^2/NDF: 1105.9/16

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 1.381+/-0.078 χ^2/NDF: 2849.2/19

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

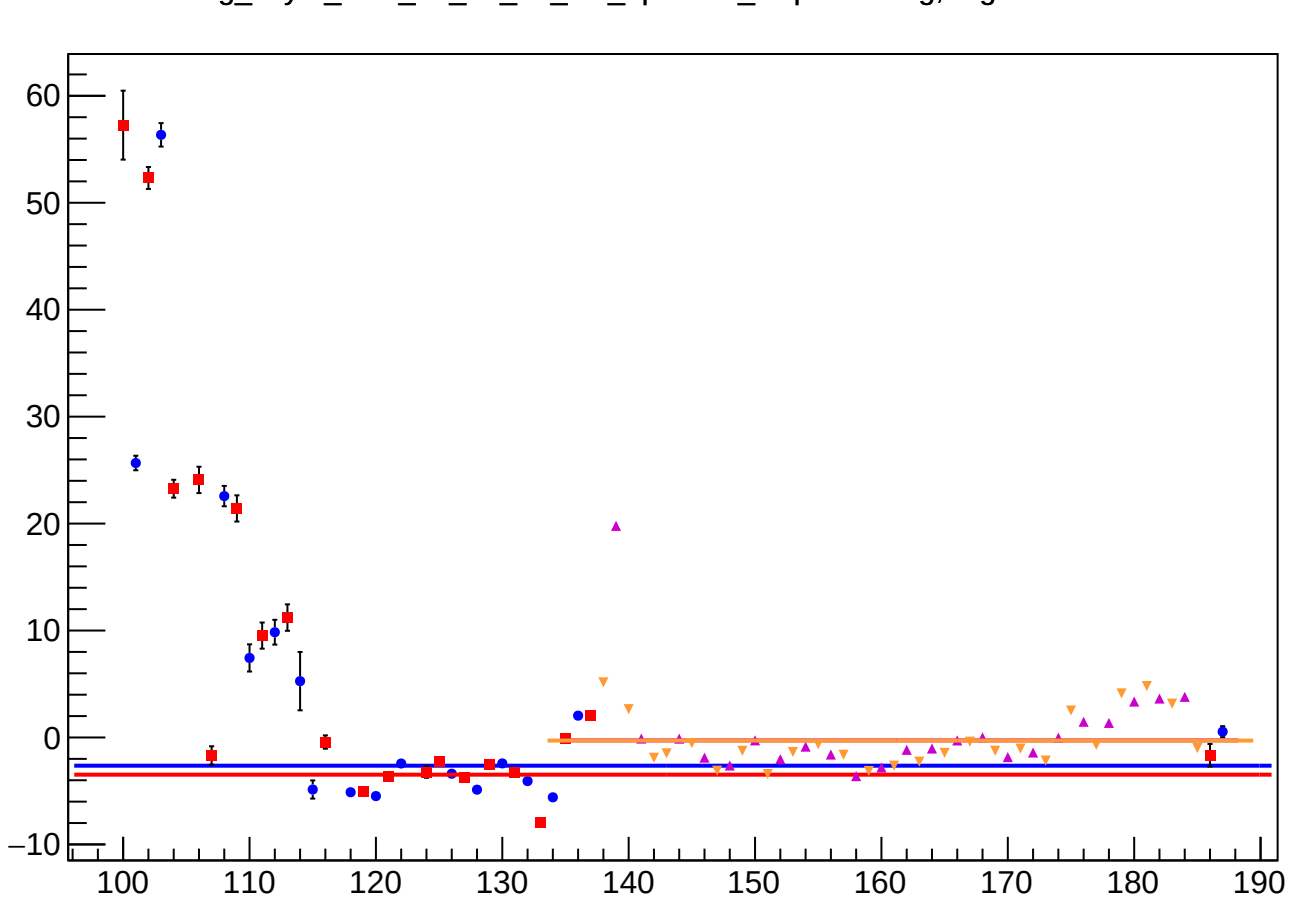
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 0.898+/-0.054 χ^2/NDF: 4029.1/36

In: -2.563+/-0.027 χ^2/NDF:25391.0/39

Out: -2.635+/-0.026 χ^2/NDF:31207.9/44

All: -2.599+/-0.019 χ^2/NDF: 56602.6/84



Right In: -2.639+/-0.070 χ^2/NDF: 7142.7/16

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: -3.477+/-0.071 χ^2/NDF: 7162.9/19

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

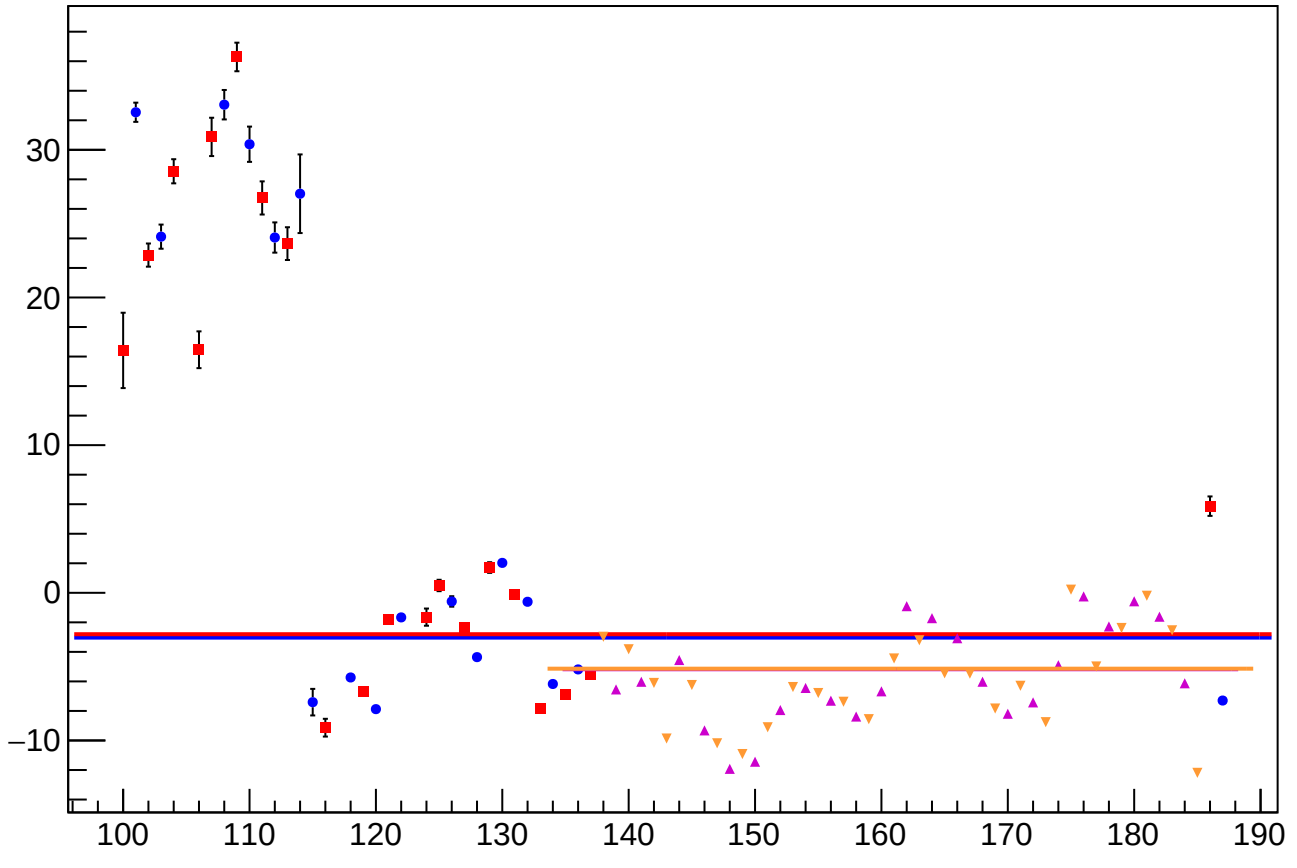
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: -3.054+/-0.050 χ^2/NDF: 14376.6/36

In: -0.489+/-0.021 χ^2/NDF:21400.5/39

Out: -0.565+/-0.021 χ^2/NDF:21219.6/44

All: -0.528+/-0.015 χ^2/NDF: 42626.7/84



Right In: -3.033+/-0.079 χ^2/NDF: 8467.9/16

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -2.804+/-0.084 χ^2/NDF: 8372.9/19

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

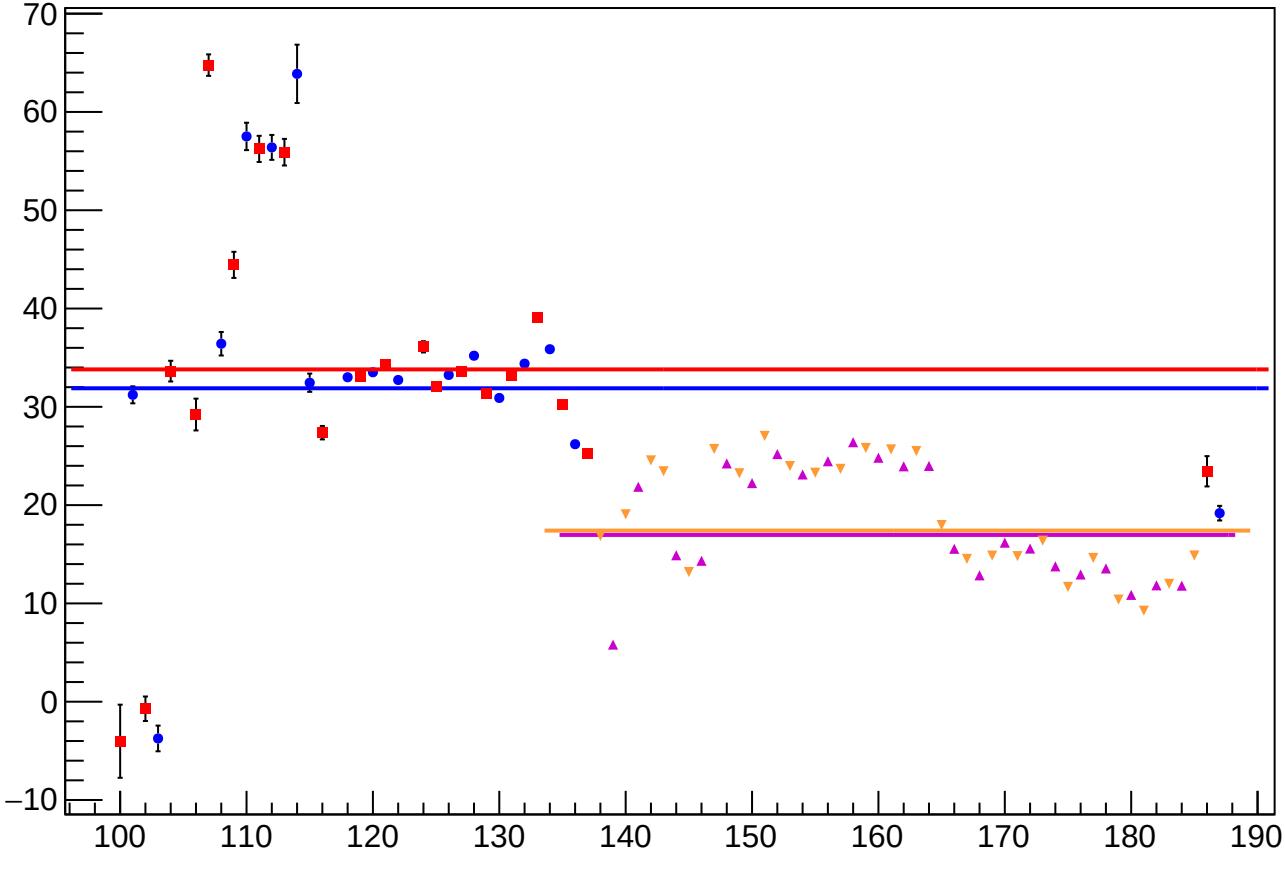
Right: -2.926+/-0.058 χ^2/NDF: 16844.7/36

In: -4.932+/-0.027 χ^2/NDF:23083.7/39

Out: -4.909+/-0.026 χ^2/NDF:23691.3/44

All: -4.920+/-0.019 χ^2/NDF: 46775.4/84

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.886+/-0.081 χ^2/NDF: 3550.3/16

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 33.808+/-0.082 χ^2/NDF: 4283.1/19

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

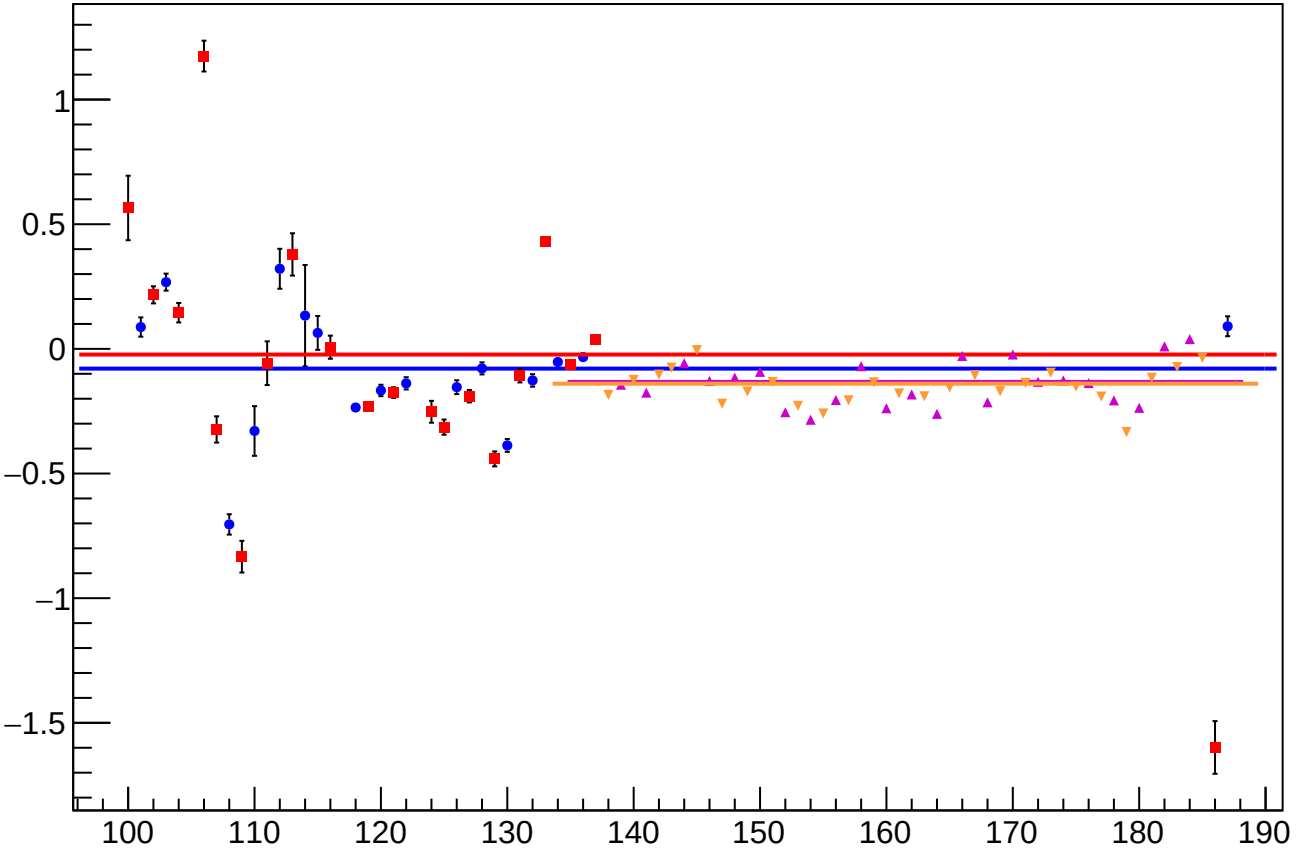
Right: 32.839+/-0.057 χ^2/NDF: 8113.6/36

In: 18.271+/-0.024 χ^2/NDF:74597.5/39

Out: 18.763+/-0.023 χ^2/NDF:92055.3/44

All: 18.522+/-0.017 χ^2/NDF: 166868.7/84

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079+/-0.005 χ^2/NDF: 707.7/16

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.023+/-0.005 χ^2/NDF: 2496.6/19

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

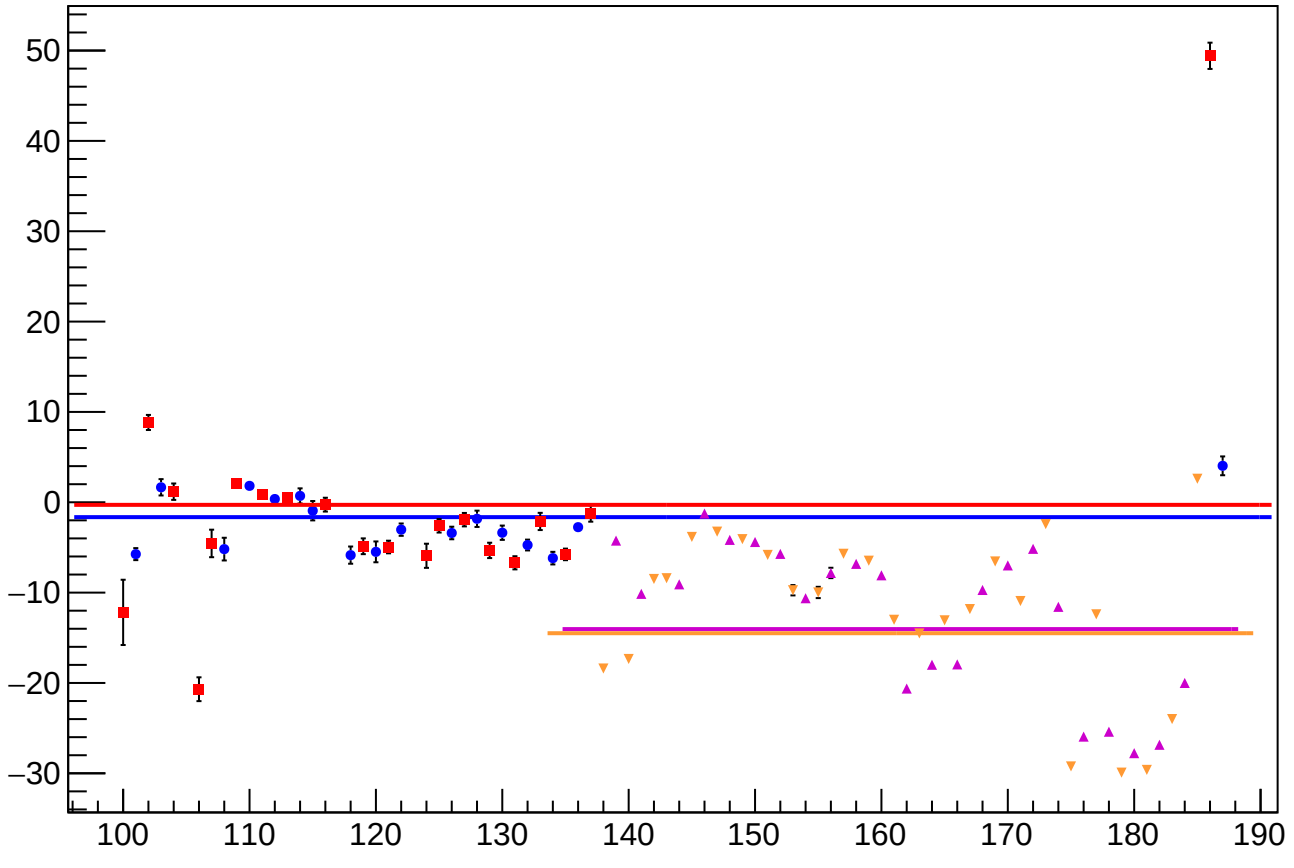
Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

Right: -0.053+/-0.004 χ^2/NDF: 3267.9/36

In: -0.130+/-0.001 χ^2/NDF:6354.8/39

Out: -0.135+/-0.001 χ^2/NDF:7090.1/44

All: -0.132+/-0.001 χ^2/NDF: 13455.4/84



Right In: -1.646+/-0.155 χ^2/NDF: 328.1/16

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.286+/-0.148 χ^2/NDF: 1915.2/19

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

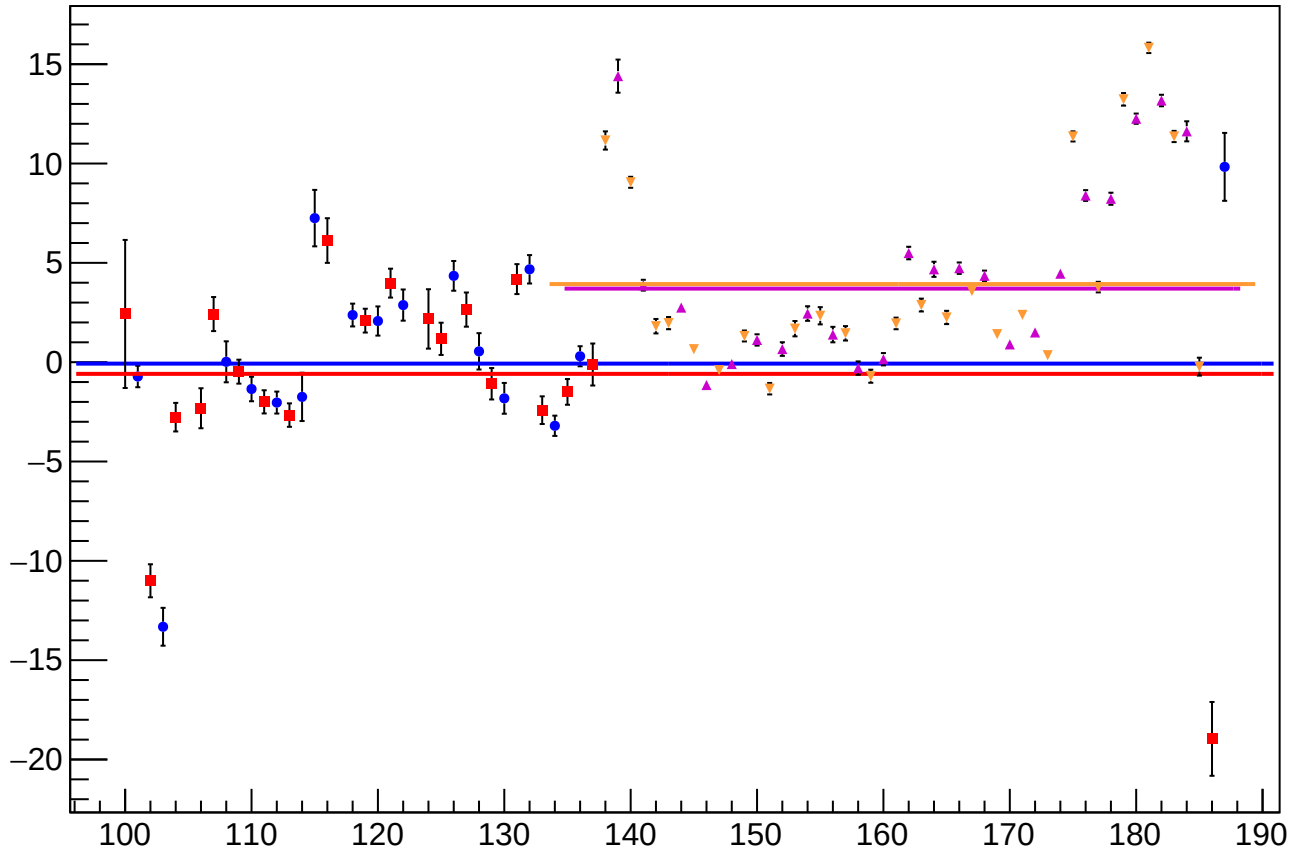
Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

Right: -0.931+/-0.107 χ^2/NDF: 2283.6/36

In: -11.604+/-0.069 χ^2/NDF:18922.5/39

Out: -11.591+/-0.067 χ^2/NDF:26526.2/44

All: -11.597+/-0.048 χ^2/NDF: 45448.7/84



Right In: -0.072+/-0.172 χ^2/NDF: 437.1/16

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: -0.589+/-0.176 χ^2/NDF: 465.0/19

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

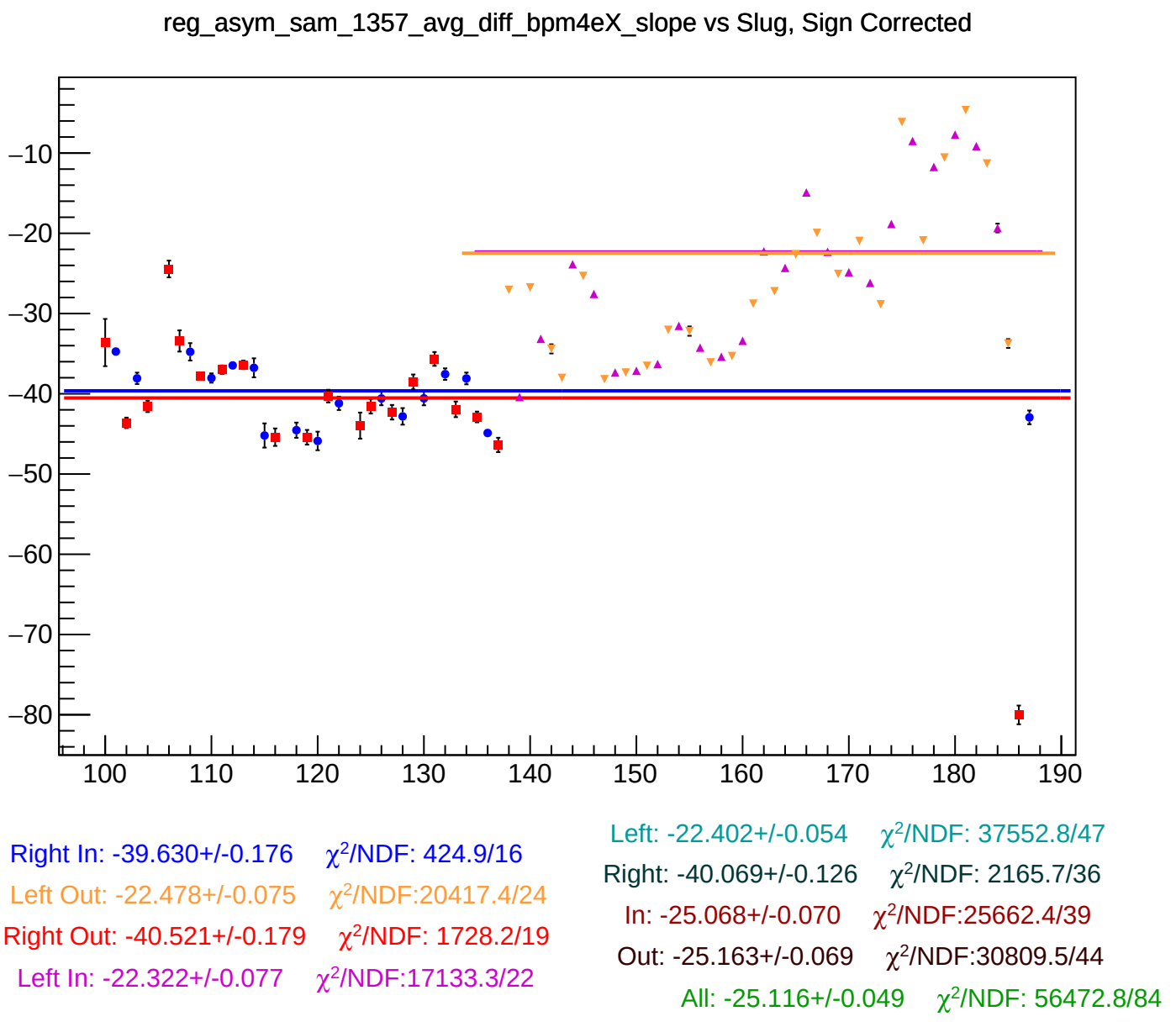
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: -0.324+/-0.123 χ^2/NDF: 906.4/36

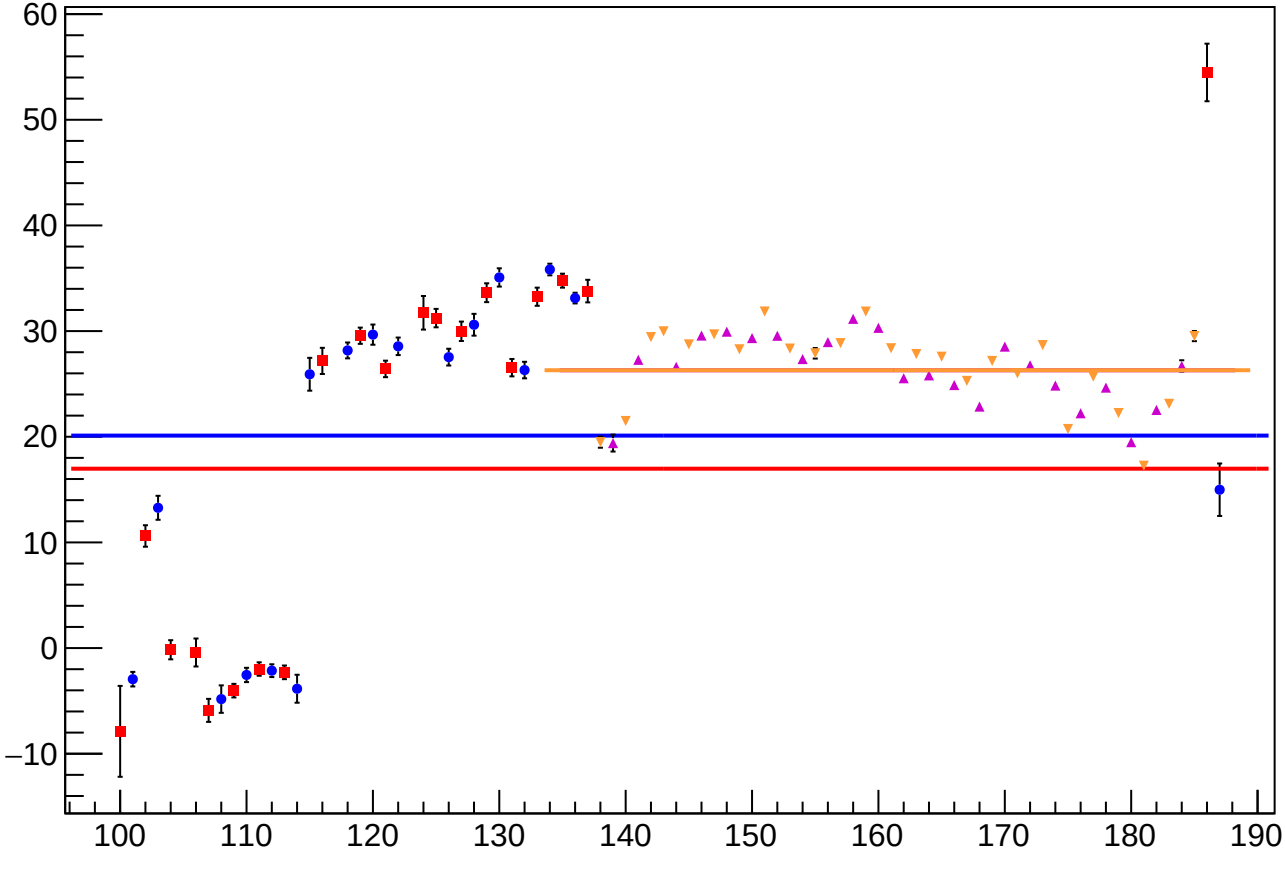
In: 3.303+/-0.056 χ^2/NDF:5655.7/39

Out: 3.492+/-0.055 χ^2/NDF:8036.8/44

All: 3.399+/-0.039 χ^2/NDF: 13698.4/84


reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
100
110
120
130
140
150
160
170
180
190
Right In: -39.630+/-0.176 χ²/NDF: 424.9/16
Left Out: -22.478+/-0.075 χ²/NDF:20417.4/24
Right Out: -40.521+/-0.179 χ²/NDF: 1728.2/19
Left In: -22.322+/-0.077 χ²/NDF:17133.3/22
Left: -22.402+/-0.054 χ²/NDF: 37552.8/47
Right: -40.069+/-0.126 χ²/NDF: 2165.7/36
In: -25.068+/-0.070 χ²/NDF:25662.4/39
Out: -25.163+/-0.069 χ²/NDF:30809.5/44
All: -25.116+/-0.049 χ²/NDF: 56472.8/84

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.109+/-0.194 χ^2/NDF: 6688.9/16

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.976+/-0.199 χ^2/NDF: 6929.4/19

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

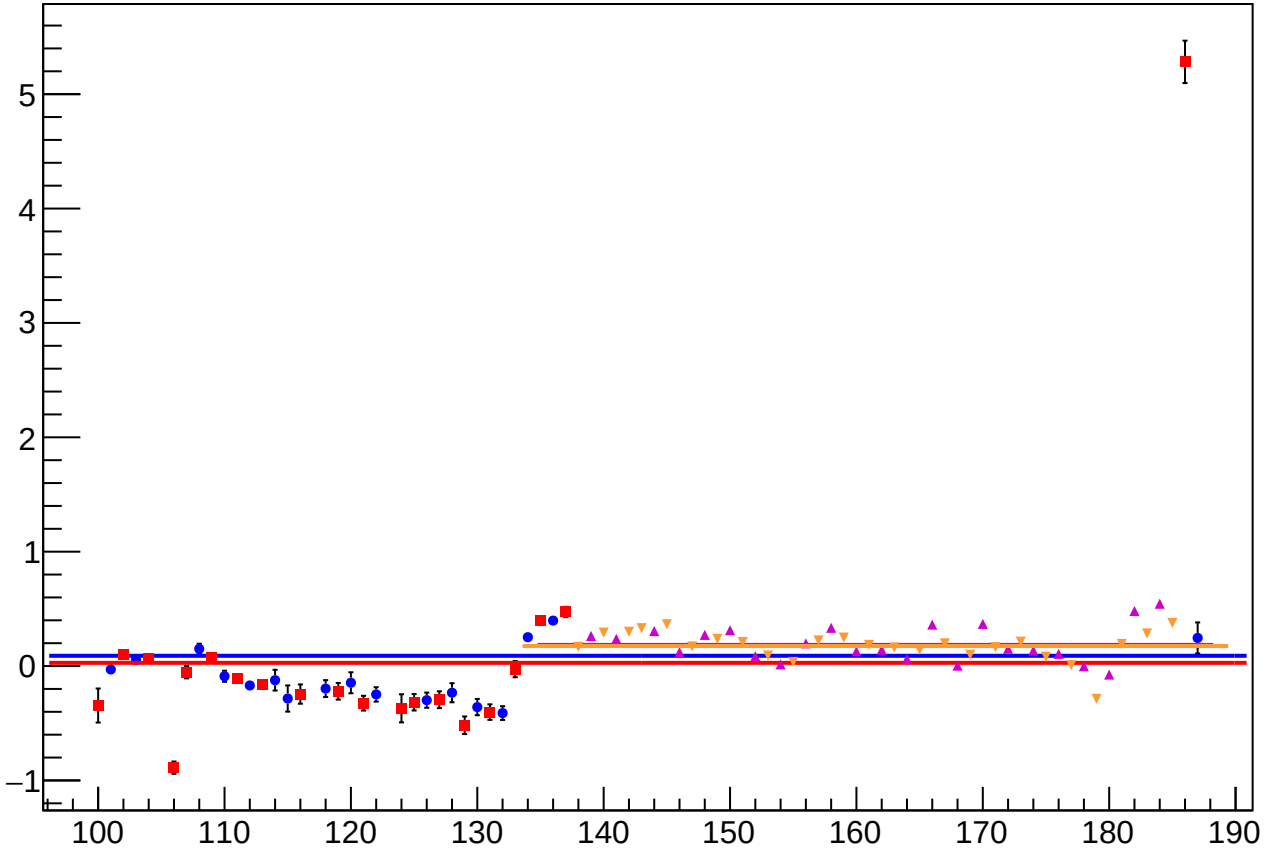
Right: 18.583+/-0.139 χ^2/NDF: 13745.1/36

In: 25.640+/-0.063 χ^2/NDF:9782.5/39

Out: 25.397+/-0.062 χ^2/NDF:12215.4/44

All: 25.516+/-0.044 χ^2/NDF: 22005.5/84

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090+/-0.010 χ^2/NDF: 565.3/16

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: 0.028+/-0.011 χ^2/NDF: 1641.4/19

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

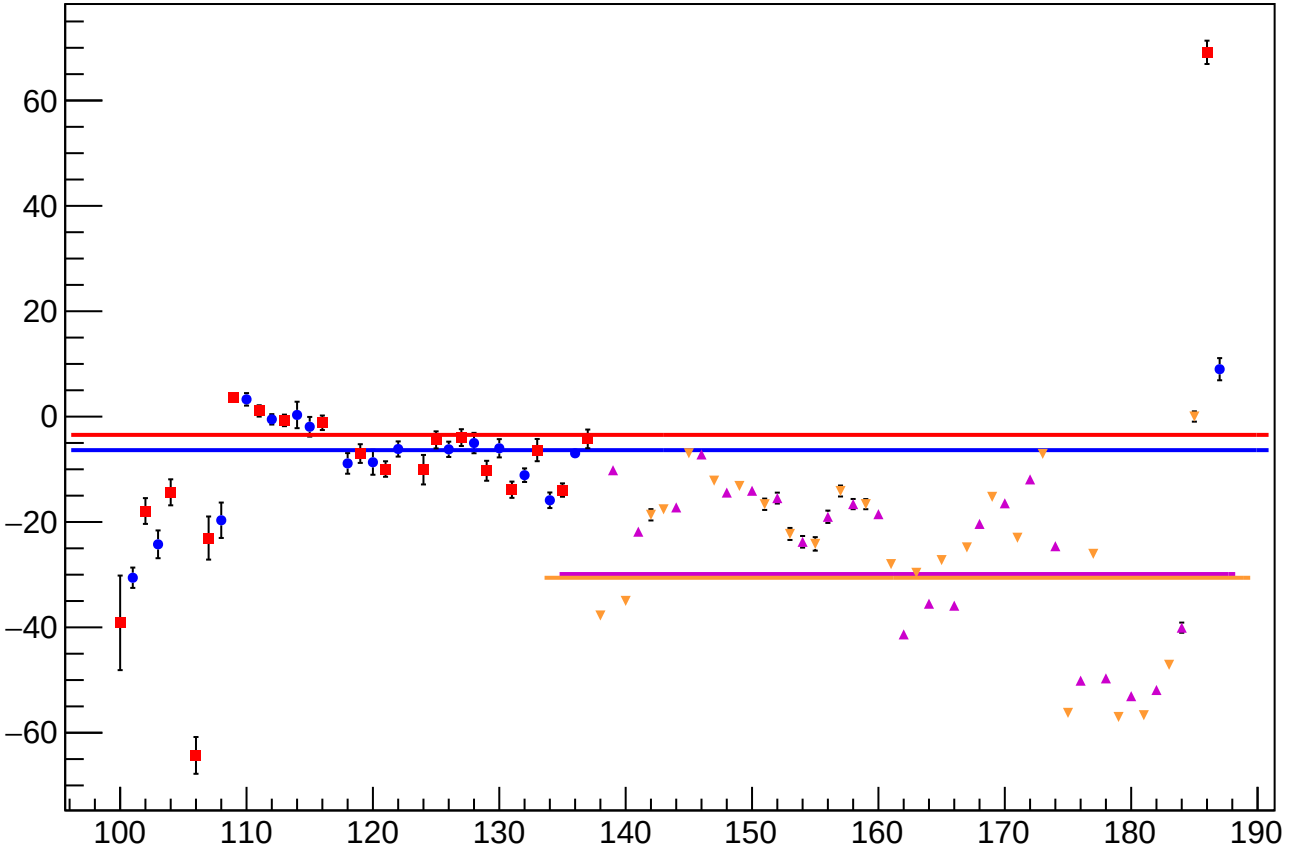
Right: 0.061+/-0.008 χ^2/NDF: 2223.3/36

In: 0.178+/-0.003 χ^2/NDF:3181.4/39

Out: 0.166+/-0.003 χ^2/NDF:3744.9/44

All: 0.172+/-0.002 χ^2/NDF: 6935.0/84

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.363+/-0.370 χ^2/NDF: 445.1/16

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -3.466+/-0.364 χ^2/NDF: 1711.6/19

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

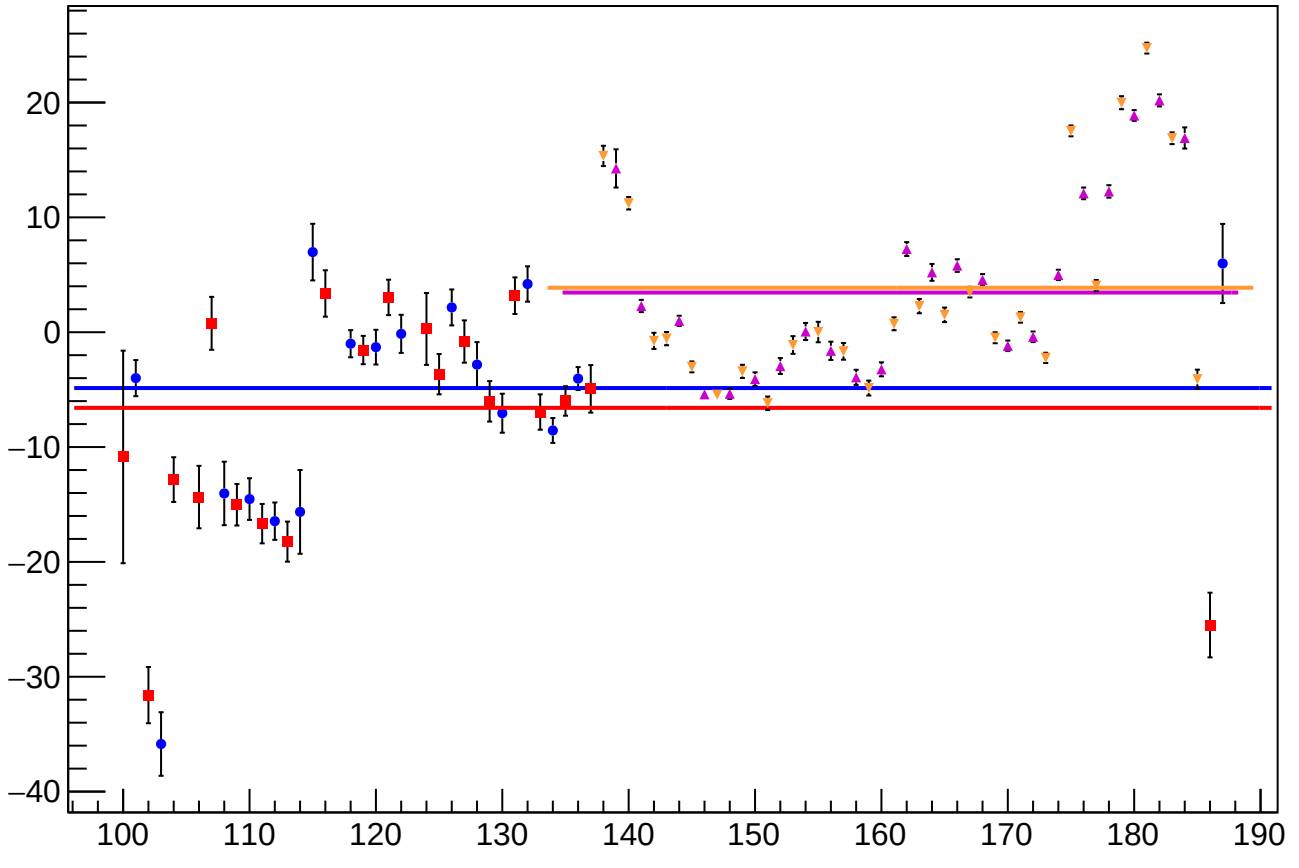
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -4.892+/-0.259 χ^2/NDF: 2187.8/36

In: -26.698+/-0.136 χ^2/NDF:15977.2/39

Out: -26.999+/-0.132 χ^2/NDF:22575.0/44

All: -26.852+/-0.095 χ^2/NDF: 38554.8/84



Right In: -4.862+/-0.393 χ^2/NDF: 351.8/16

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -6.586+/-0.412 χ^2/NDF: 415.2/19

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

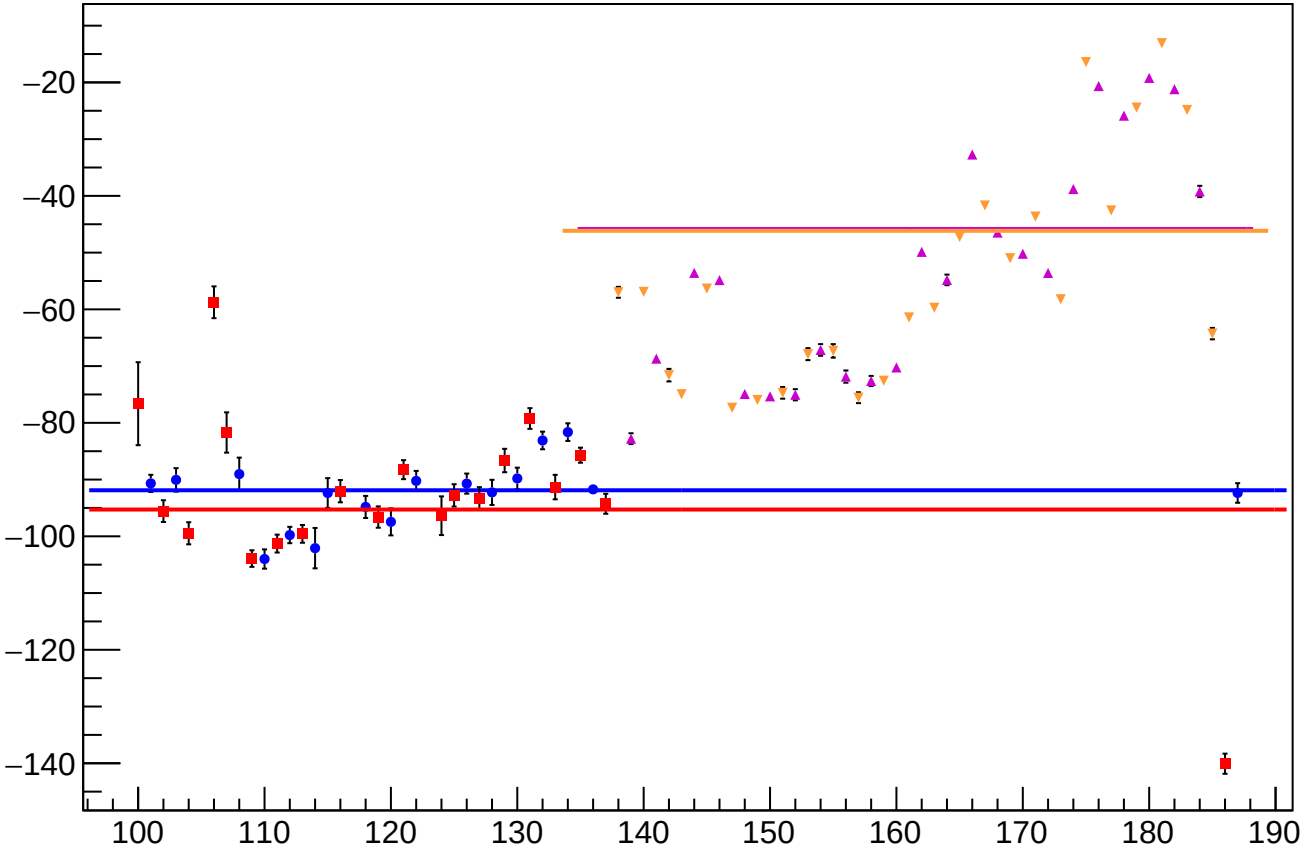
Right: -5.683+/-0.284 χ^2/NDF: 776.1/36

In: 2.810+/-0.109 χ^2/NDF:5459.1/39

Out: 3.163+/-0.107 χ^2/NDF:7557.8/44

All: 2.990+/-0.077 χ^2/NDF: 13022.2/84

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.885+/-0.412 χ^2/NDF: 177.4/16

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -95.280+/-0.426 χ^2/NDF: 1062.0/19

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

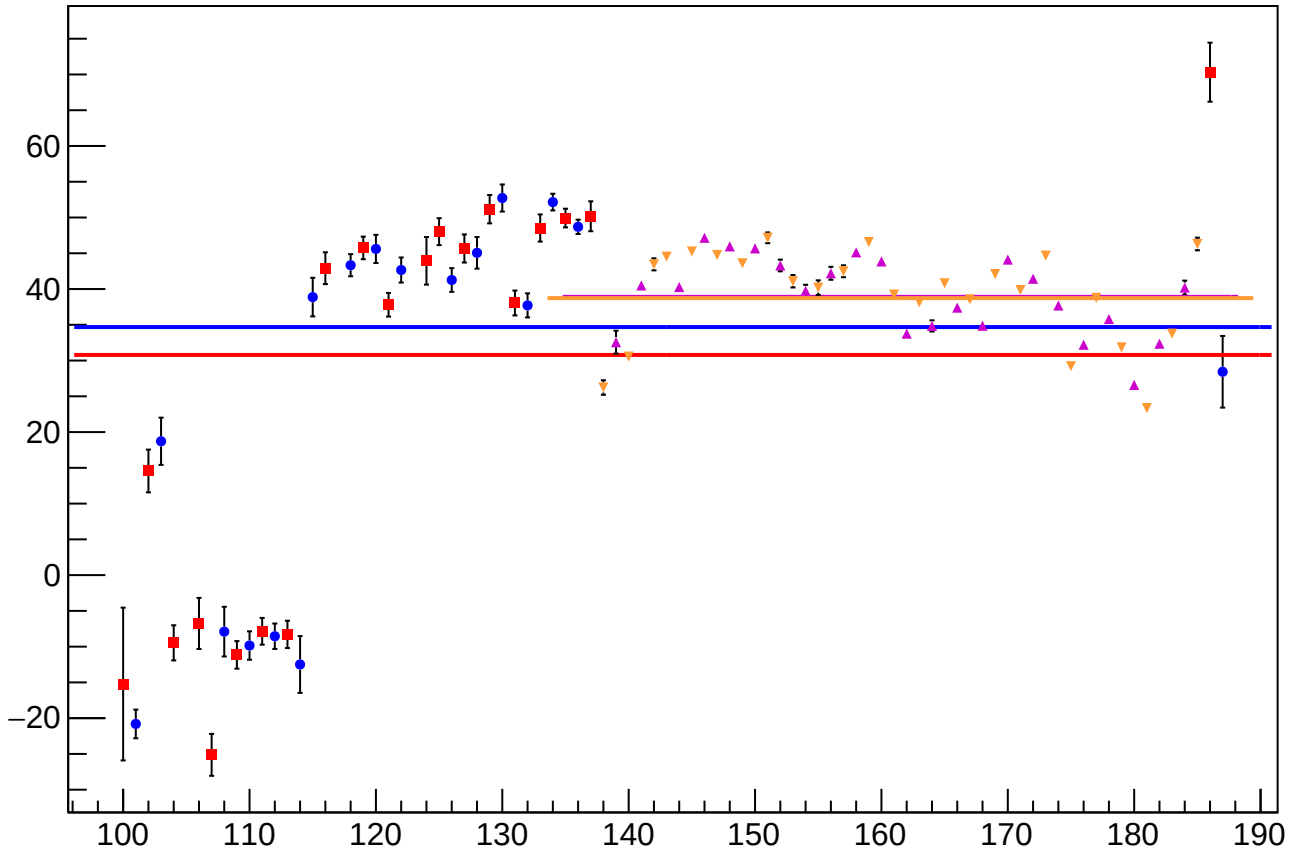
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -93.523+/-0.296 χ^2/NDF: 1272.1/36

In: -50.975+/-0.138 χ^2/NDF:29209.3/39

Out: -51.083+/-0.135 χ^2/NDF:34459.4/44

All: -51.030+/-0.096 χ^2/NDF: 63669.0/84



Right In: 34.680+/-0.440 χ^2/NDF: 2810.7/16

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.785+/-0.464 χ^2/NDF: 3004.1/19

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

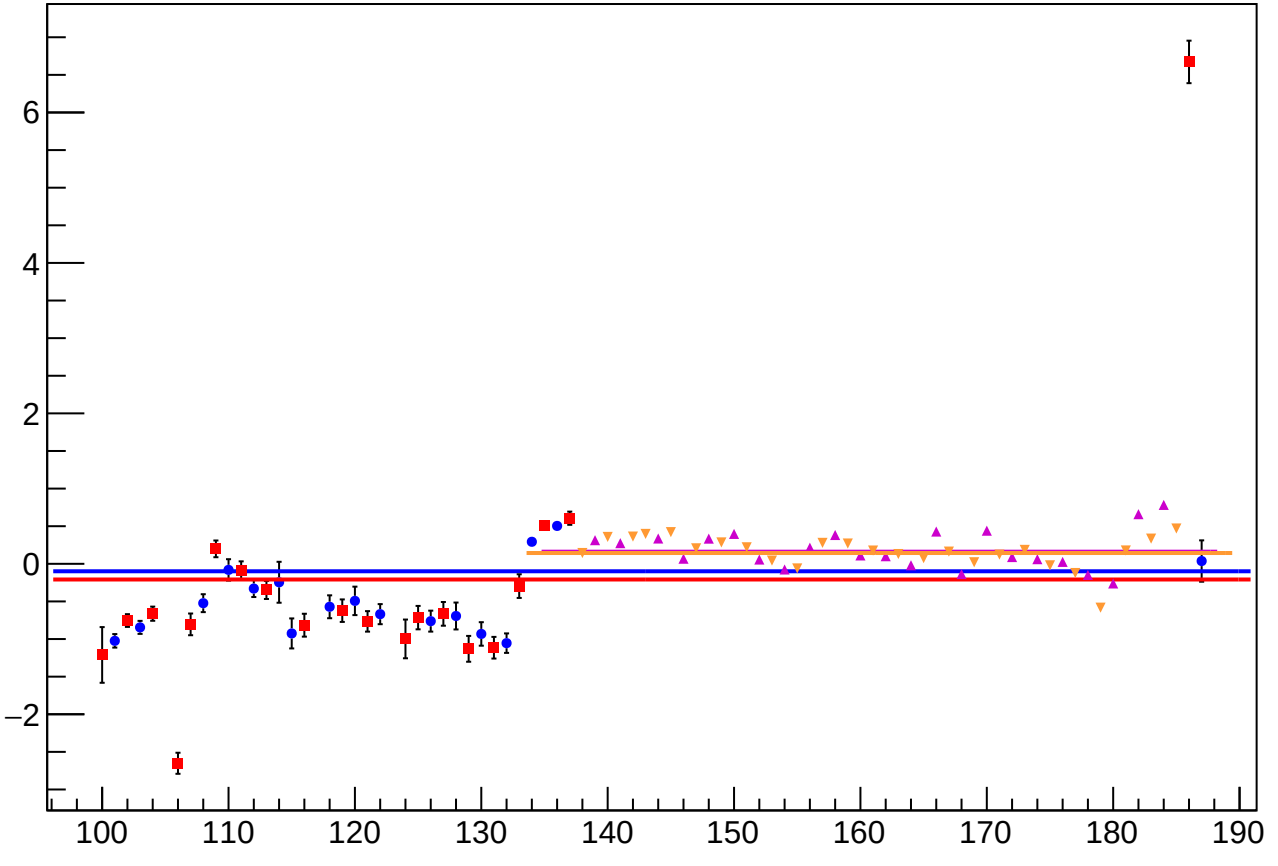
Right: 32.836+/-0.319 χ^2/NDF: 5851.8/36

In: 38.578+/-0.122 χ^2/NDF:4867.3/39

Out: 38.197+/-0.120 χ^2/NDF:6059.1/44

All: 38.384+/-0.086 χ^2/NDF: 10931.3/84

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.099+/-0.024 χ^2/NDF: 631.7/16

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.208+/-0.026 χ^2/NDF: 1420.8/19

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

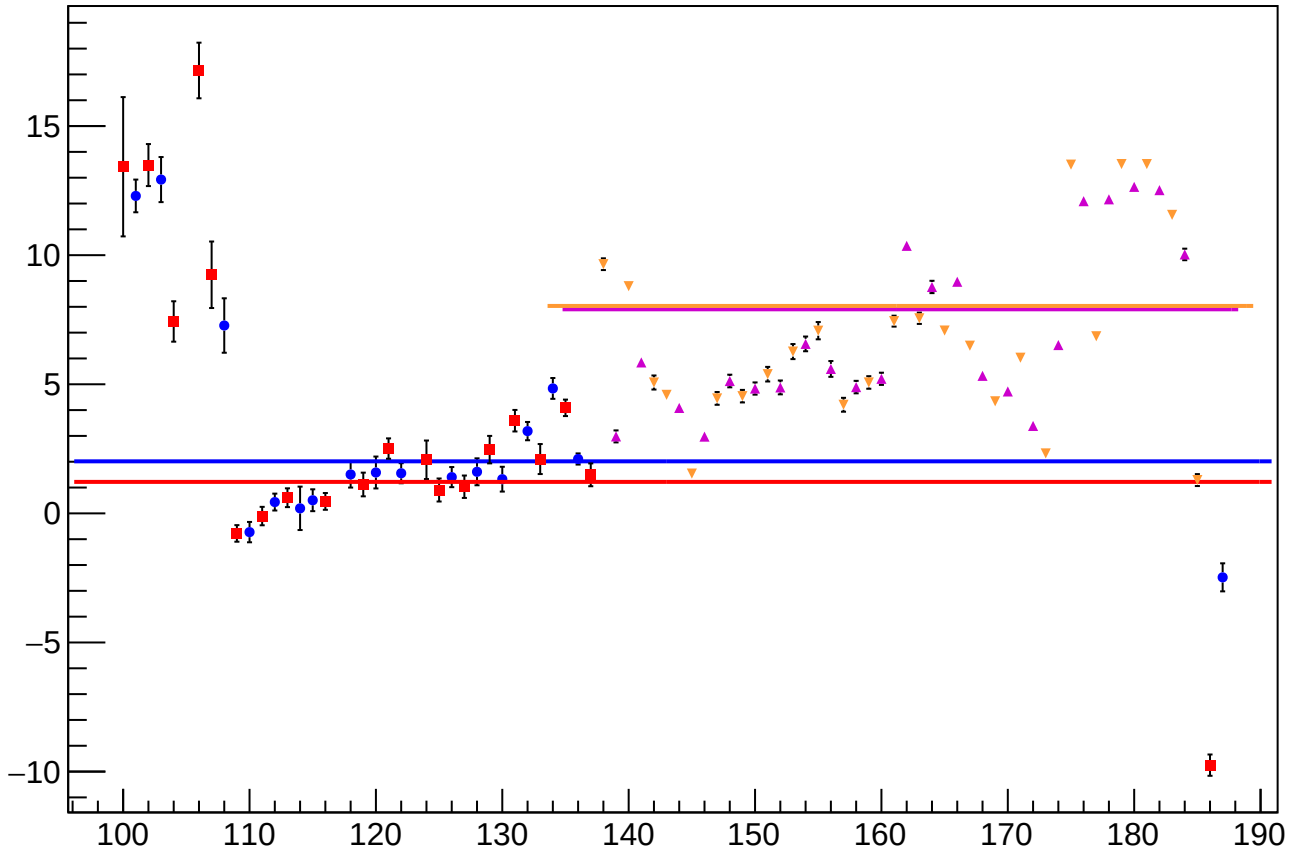
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.149+/-0.018 χ^2/NDF: 2062.0/36

In: 0.147+/-0.006 χ^2/NDF:2662.6/39

Out: 0.128+/-0.005 χ^2/NDF:3036.1/44

All: 0.138+/-0.004 χ^2/NDF: 5704.6/84



Right In: 2.016+/-0.103 χ^2/NDF: 670.3/16

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.219+/-0.102 χ^2/NDF: 1470.3/19

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

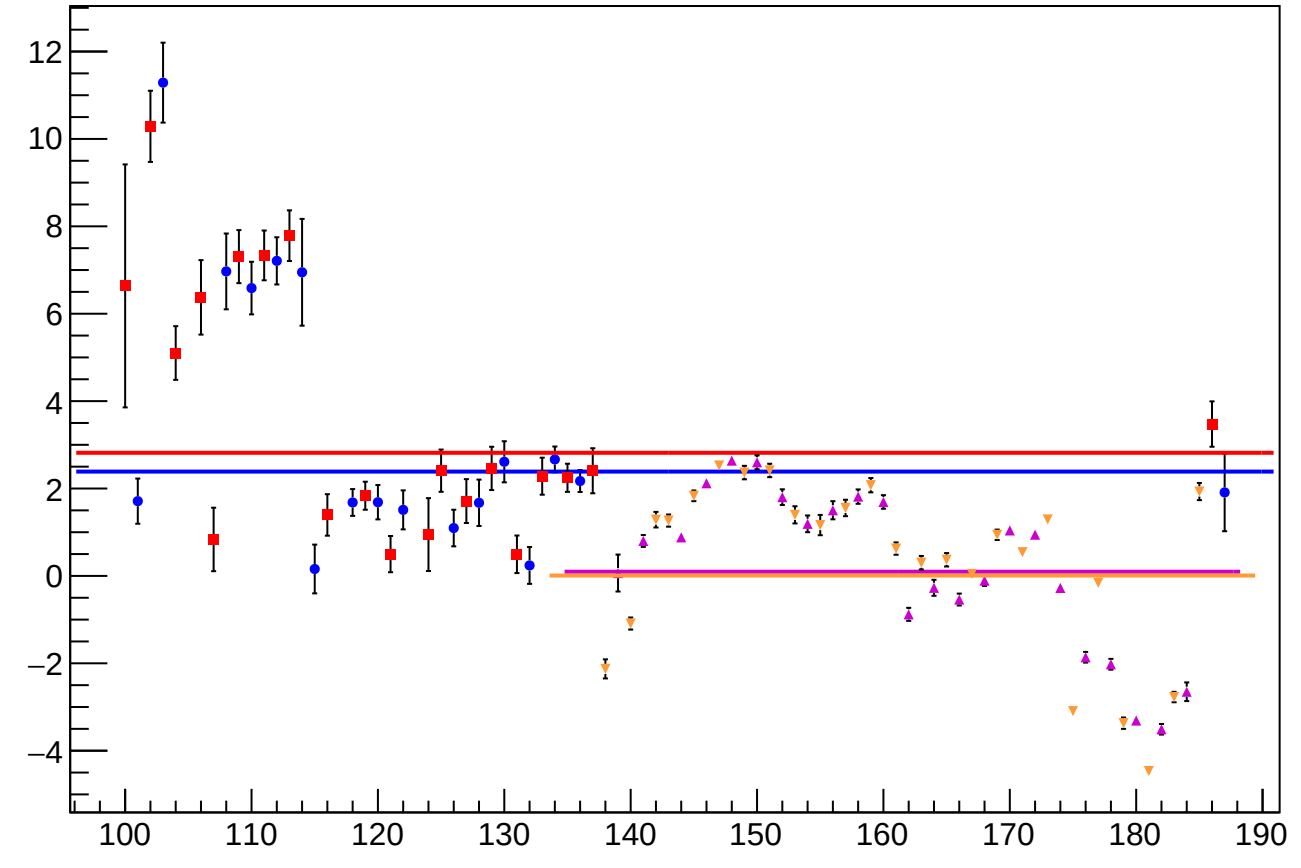
Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

Right: 1.614+/-0.073 χ^2/NDF: 2170.8/36

In: 7.269+/-0.034 χ^2/NDF:13599.3/39

Out: 7.329+/-0.033 χ^2/NDF:19380.9/44

All: 7.300+/-0.024 χ^2/NDF: 32981.8/84



Right In: 2.387+/-0.108 χ^2/NDF: 334.2/16

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.818+/-0.113 χ^2/NDF: 412.6/19

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

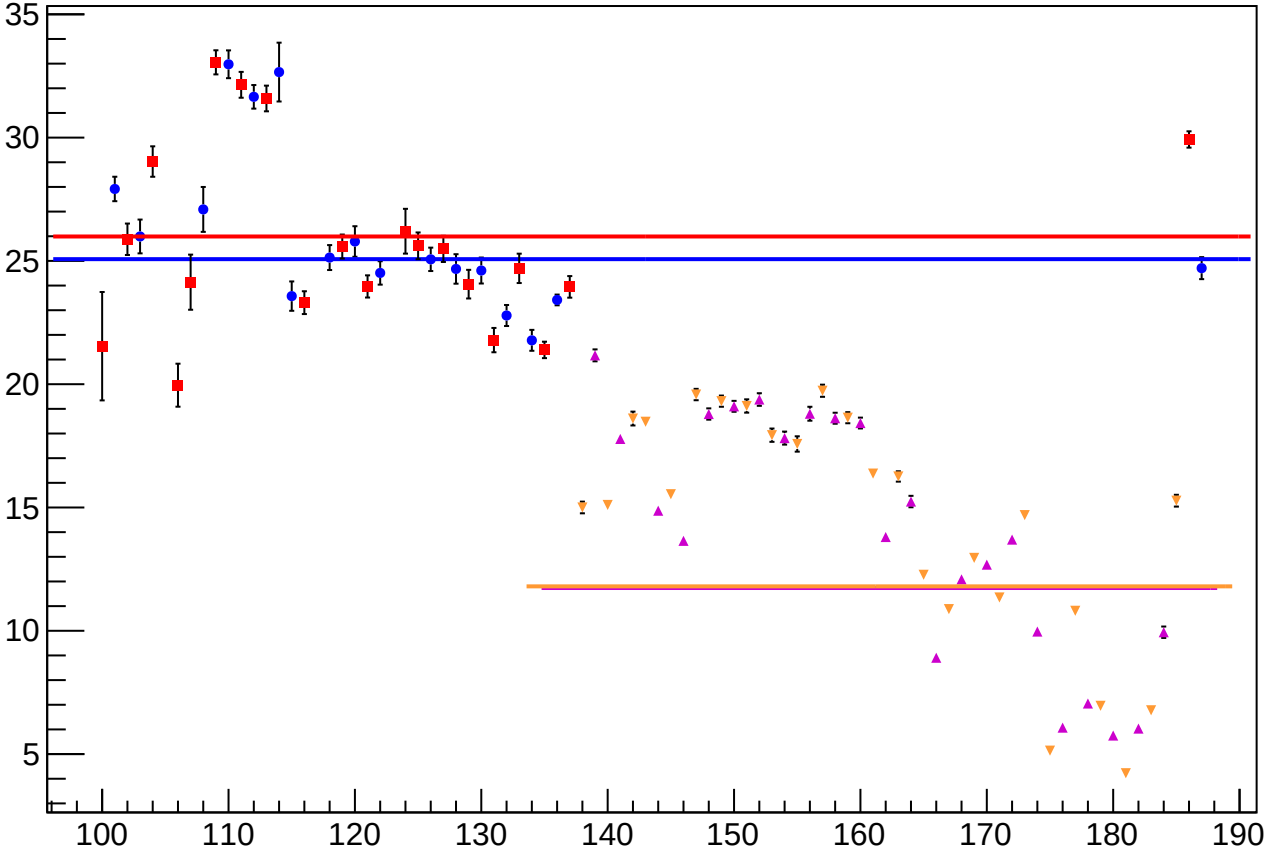
Right: 2.592+/-0.078 χ^2/NDF: 754.4/36

In: 0.243+/-0.027 χ^2/NDF:5192.3/39

Out: 0.165+/-0.027 χ^2/NDF:6756.2/44

All: 0.203+/-0.019 χ^2/NDF: 11952.6/84

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.071+/-0.114 χ^2/NDF: 623.6/16

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 25.990+/-0.116 χ^2/NDF: 1038.5/19

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

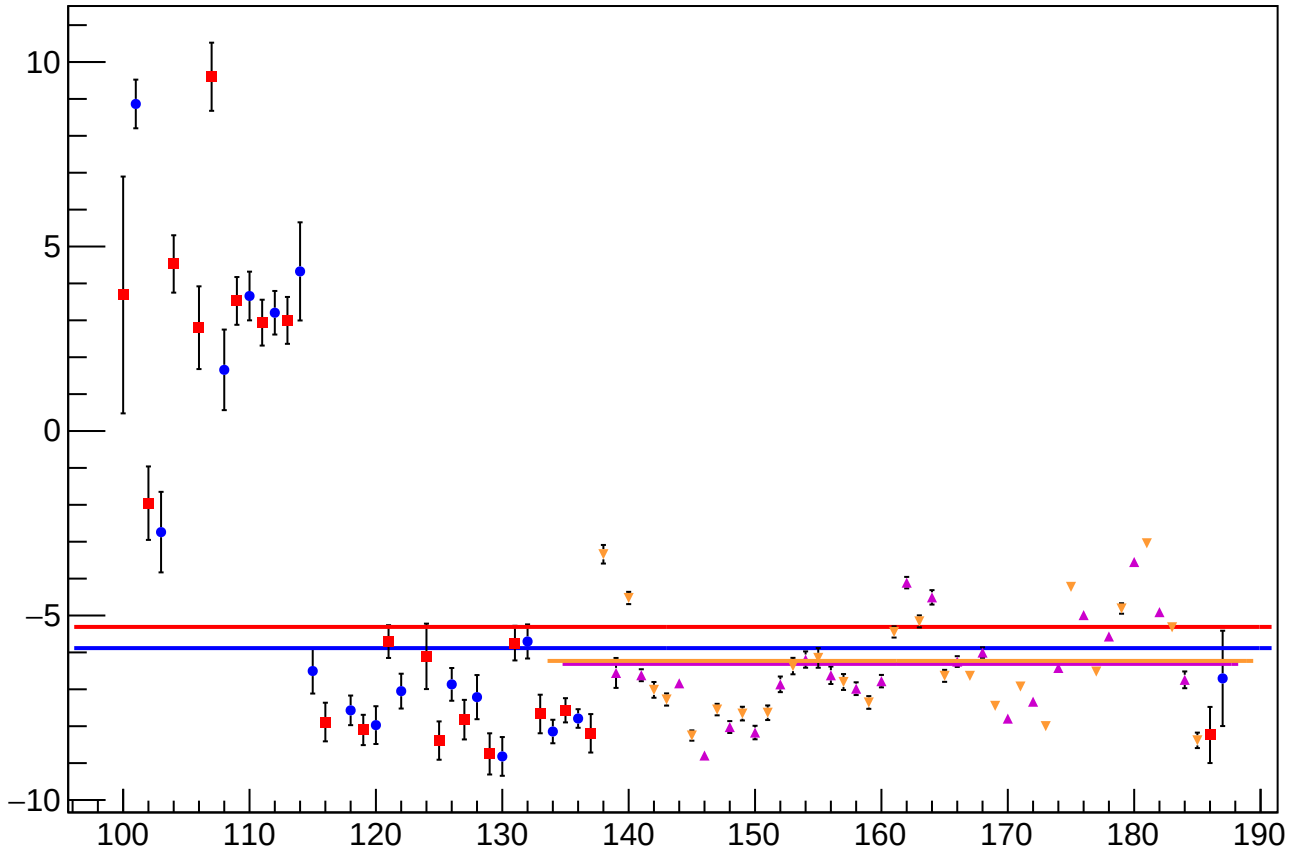
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 25.521+/-0.081 χ^2/NDF: 1694.2/36

In: 12.939+/-0.034 χ^2/NDF:31147.0/39

Out: 12.973+/-0.033 χ^2/NDF:36208.3/44

All: 12.957+/-0.024 χ^2/NDF: 67355.8/84



Right In: -5.883+/-0.120 χ^2/NDF: 1251.8/16

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.309+/-0.128 χ^2/NDF: 1307.2/19

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

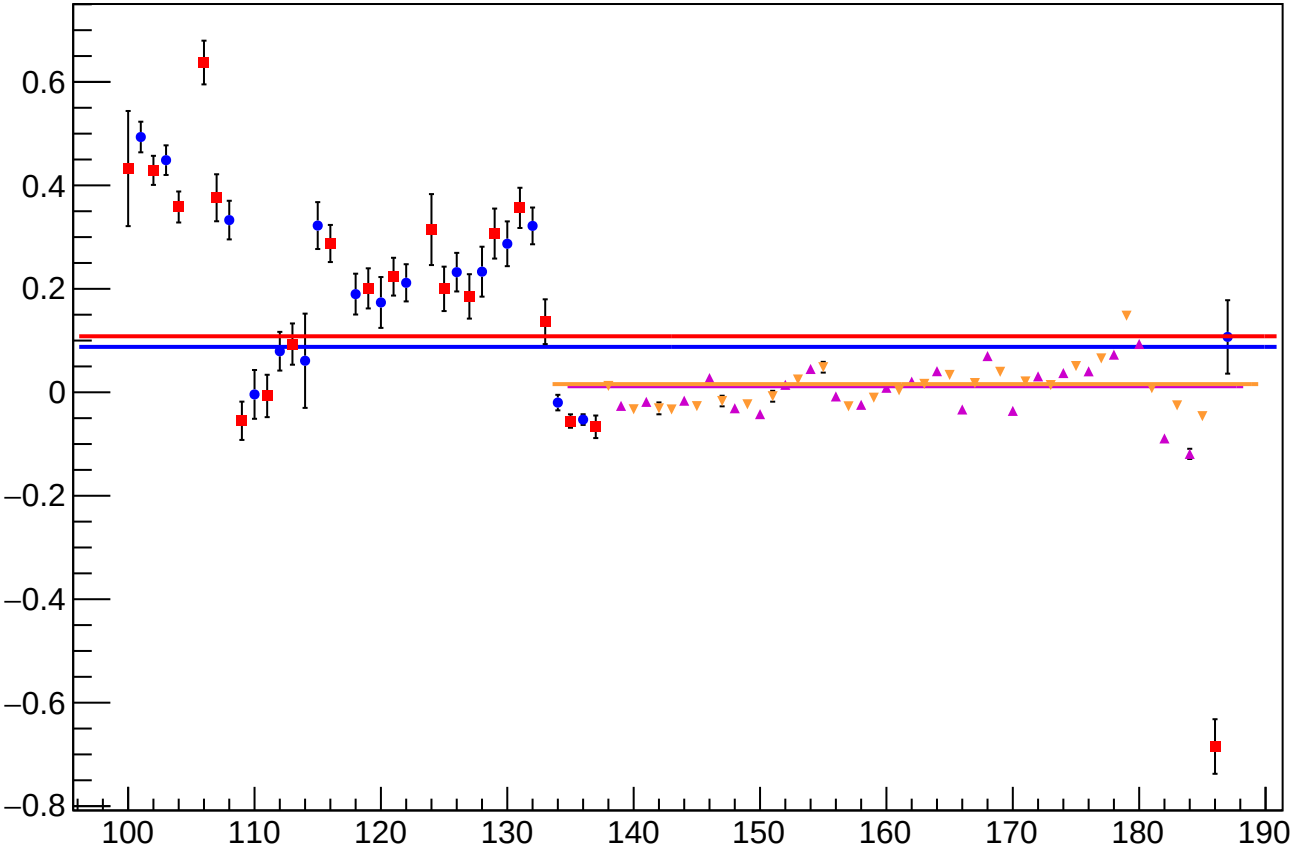
Right: -5.614+/-0.087 χ^2/NDF: 2569.8/36

In: -6.284+/-0.030 χ^2/NDF:3293.8/39

Out: -6.180+/-0.030 χ^2/NDF:3806.5/44

All: -6.231+/-0.021 χ^2/NDF: 7106.3/84

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.1/16

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.108+/-0.007 χ^2/NDF: 992.5/19

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

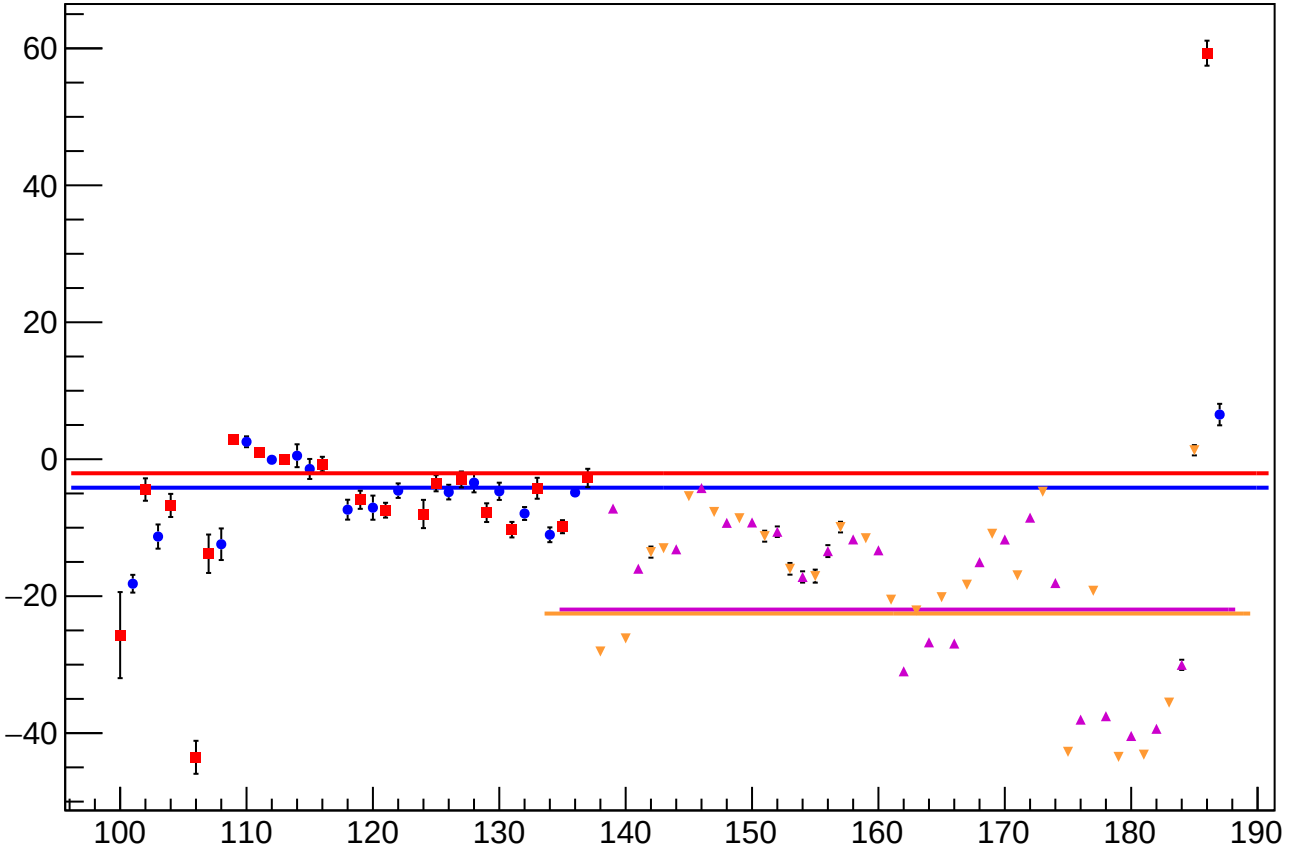
Right: 0.097+/-0.005 χ^2/NDF: 1765.0/36

In: 0.015+/-0.001 χ^2/NDF:2194.1/39

Out: 0.019+/-0.001 χ^2/NDF:2082.6/44

All: 0.017+/-0.001 χ^2/NDF: 4280.9/84

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.158+/-0.265 χ^2/NDF: 379.5/16

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.051+/-0.258 χ^2/NDF: 1735.2/19

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

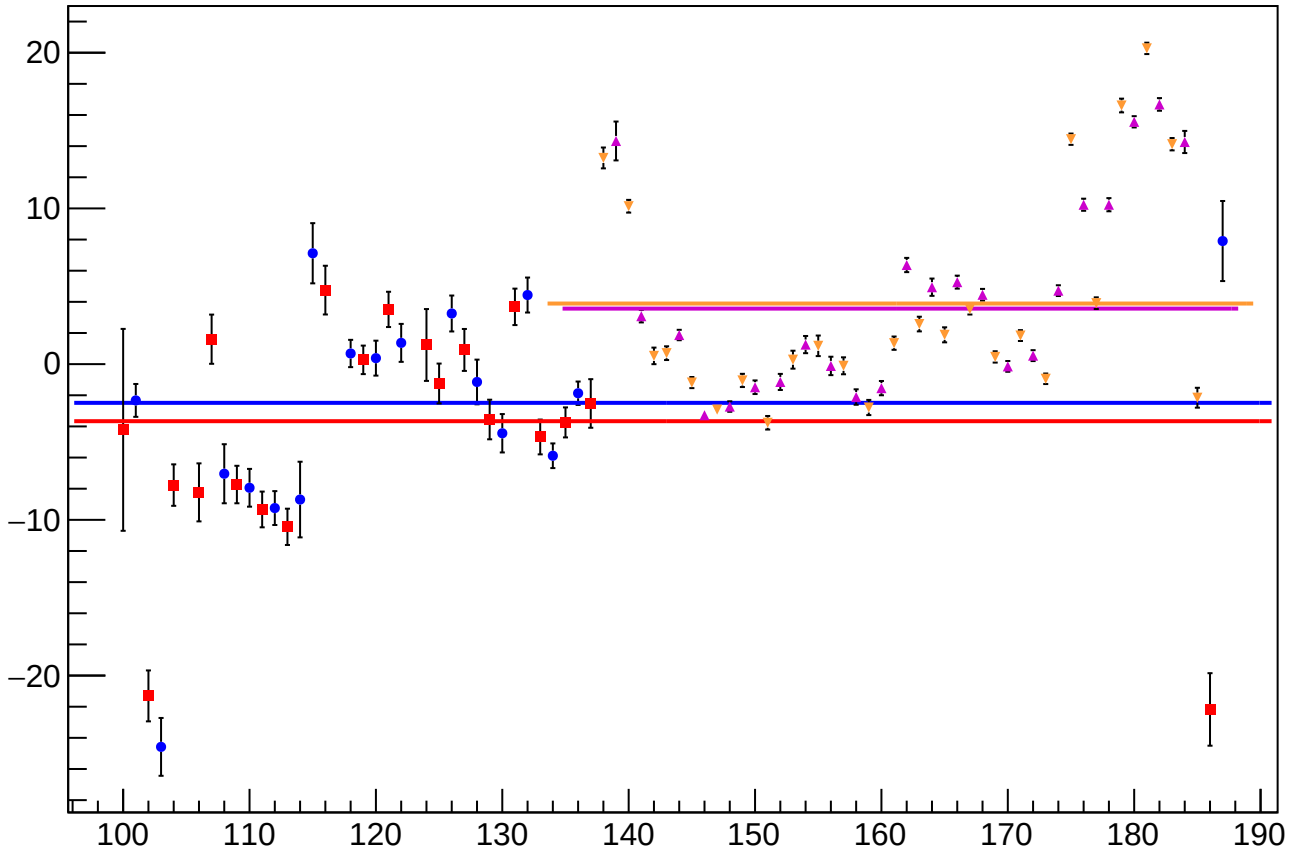
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -3.079+/-0.185 χ^2/NDF: 2147.1/36

In: -19.286+/-0.102 χ^2/NDF:16811.1/39

Out: -19.483+/-0.100 χ^2/NDF:23631.9/44

All: -19.387+/-0.071 χ^2/NDF: 40444.9/84



Right In: -2.486+/-0.284 χ^2/NDF: 368.5/16

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -3.664+/-0.296 χ^2/NDF: 423.8/19

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

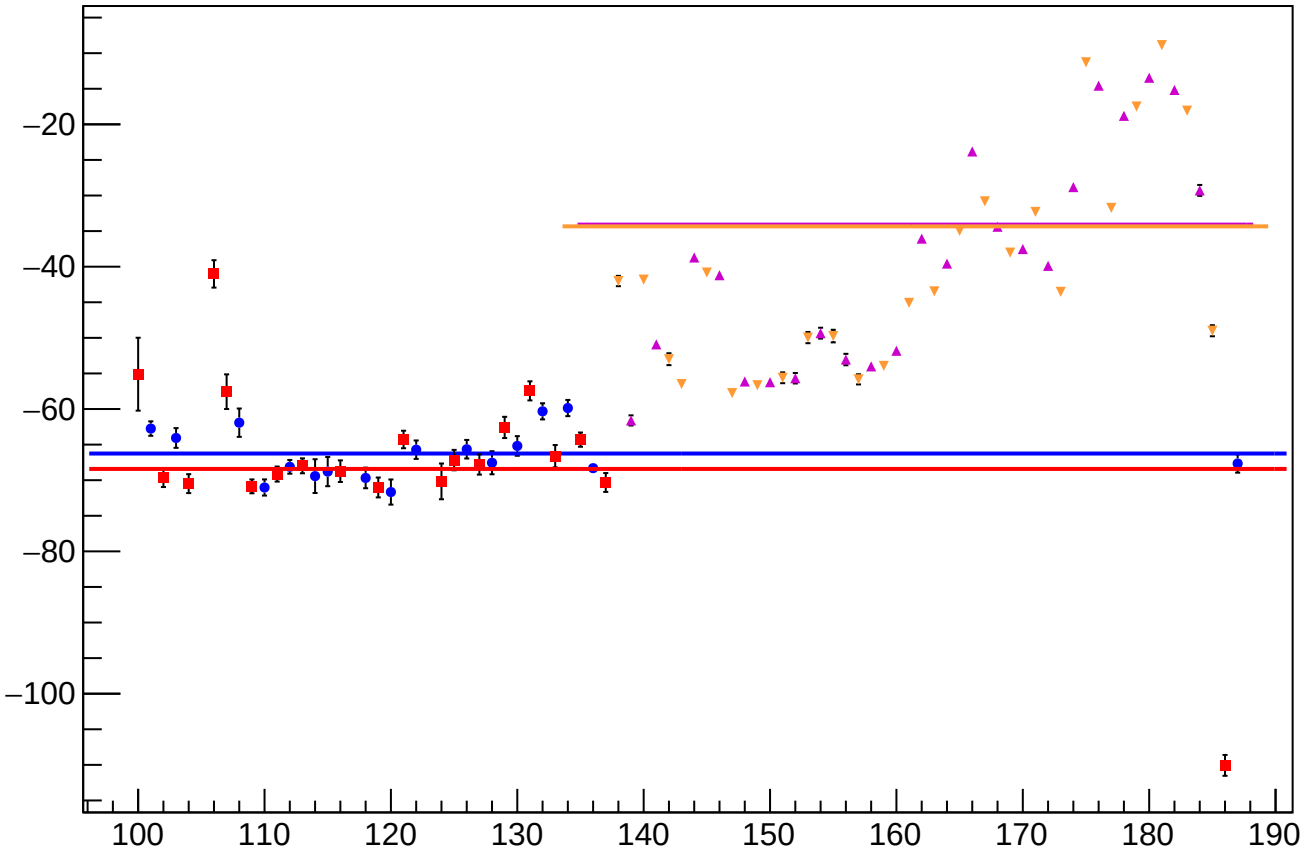
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -3.050+/-0.205 χ^2/NDF: 800.5/36

In: 3.055+/-0.082 χ^2/NDF:5523.7/39

Out: 3.326+/-0.081 χ^2/NDF:7749.3/44

All: 3.193+/-0.058 χ^2/NDF: 13278.6/84



Right In: -66.253+/-0.296 χ^2/NDF: 130.4/16

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -68.418+/-0.306 χ^2/NDF: 1165.3/19

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

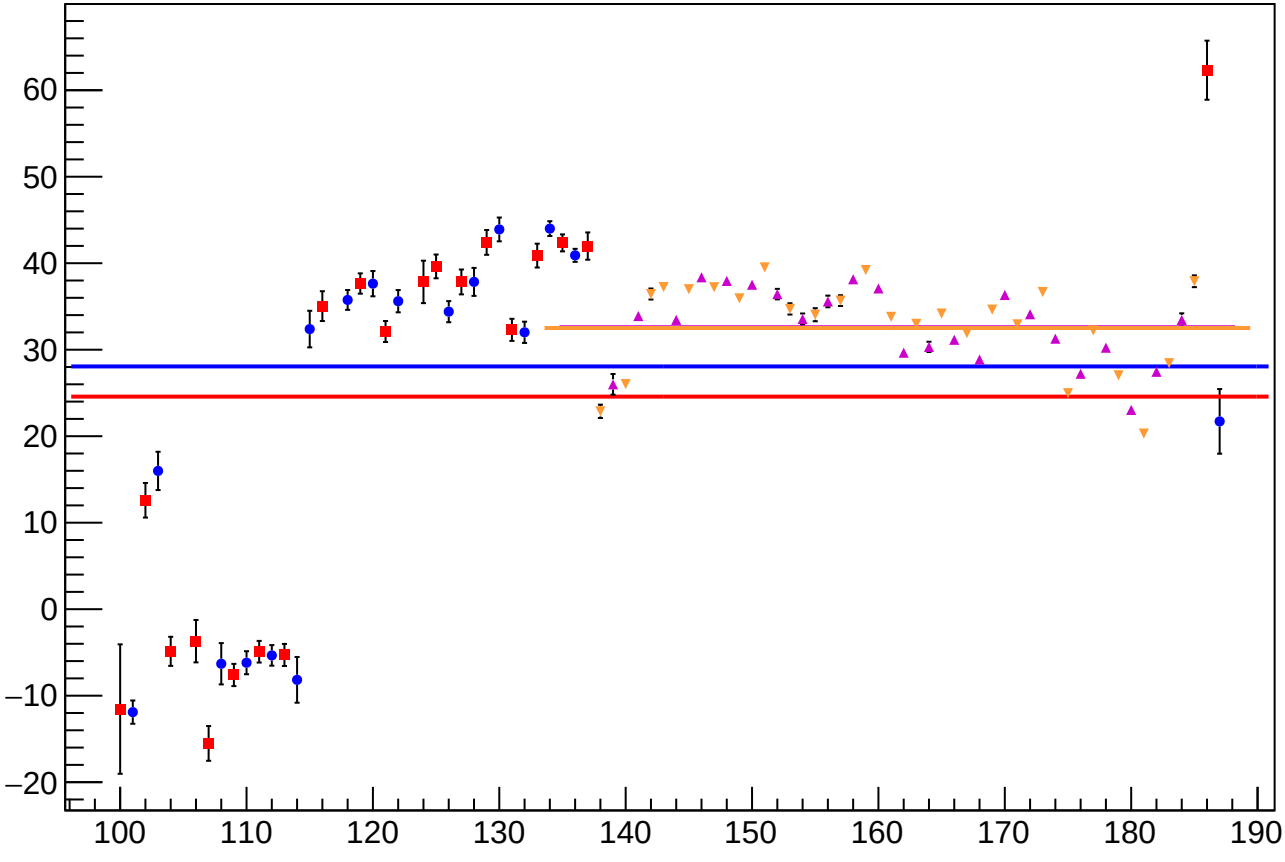
Right: -67.302+/-0.213 χ^2/NDF: 1321.6/36

In: -38.049+/-0.104 χ^2/NDF:28197.8/39

Out: -38.135+/-0.102 χ^2/NDF:33417.5/44

All: -38.093+/-0.073 χ^2/NDF: 61615.7/84

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.066+/-0.319 χ^2/NDF: 3730.6/16

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.577+/-0.334 χ^2/NDF: 3965.0/19

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

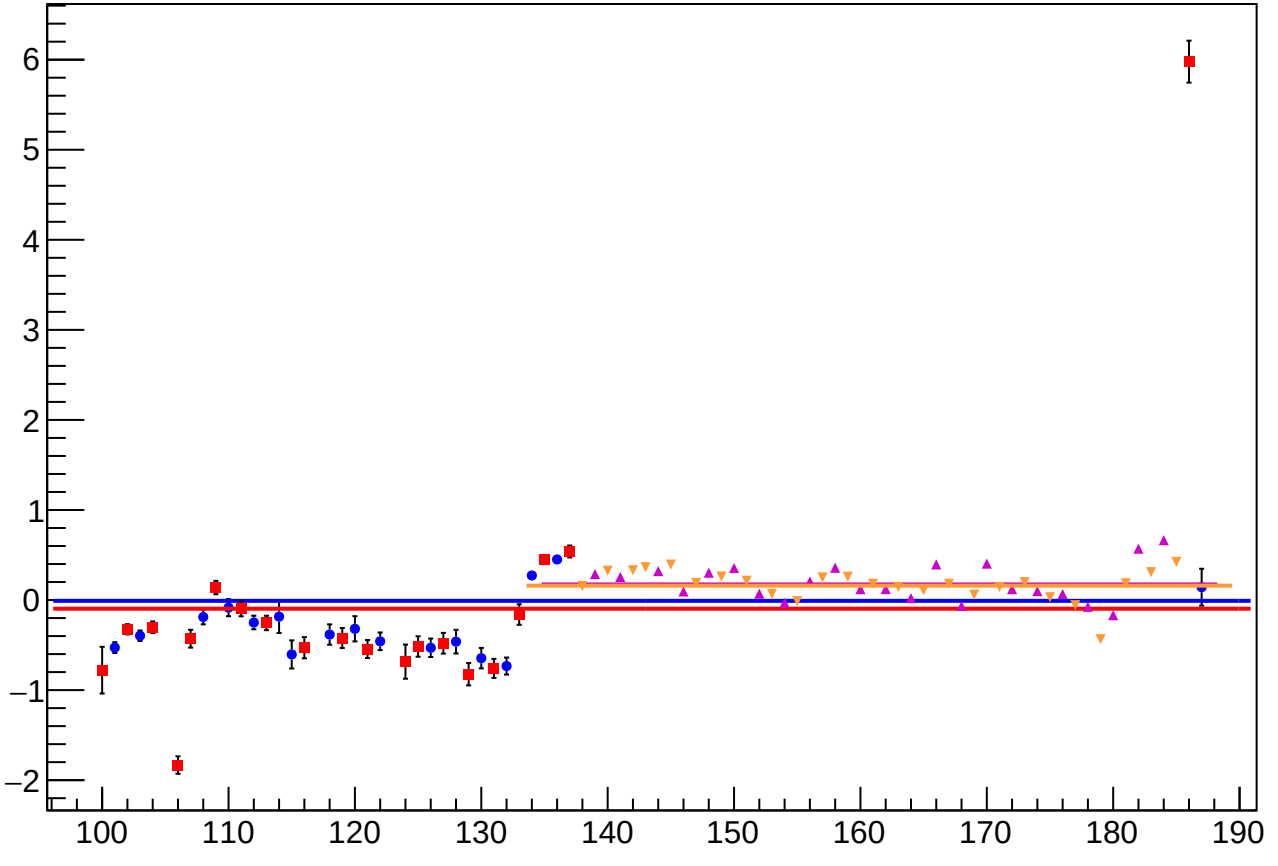
Right: 26.402+/-0.231 χ^2/NDF: 7752.7/36

In: 32.216+/-0.093 χ^2/NDF:5928.6/39

Out: 31.922+/-0.091 χ^2/NDF:7425.5/44

All: 32.066+/-0.065 χ^2/NDF: 13359.2/84

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.009+/-0.017 χ^2/NDF: 587.9/16

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.096+/-0.019 χ^2/NDF: 1502.6/19

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

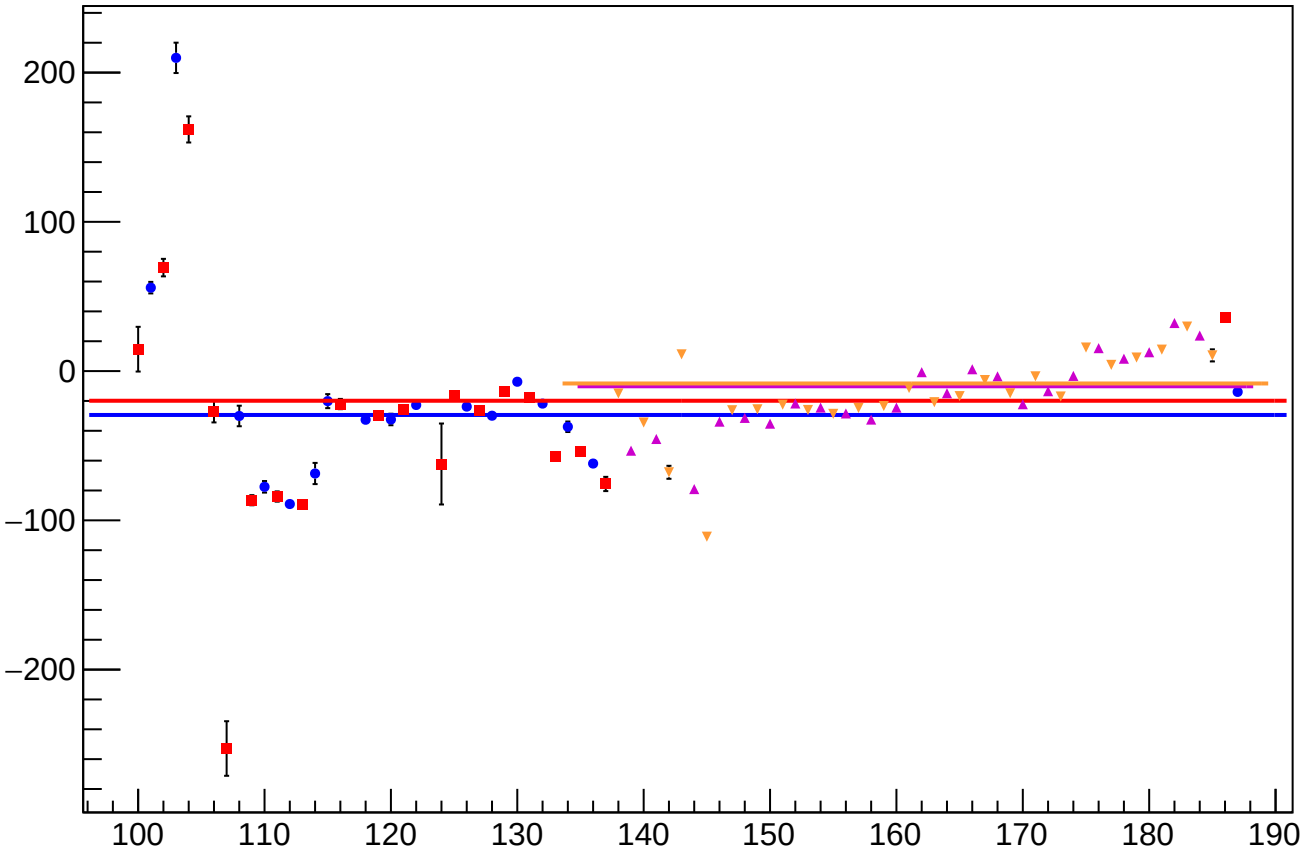
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.049+/-0.013 χ^2/NDF: 2102.3/36

In: 0.162+/-0.004 χ^2/NDF:2822.3/39

Out: 0.147+/-0.004 χ^2/NDF:3292.3/44

All: 0.155+/-0.003 χ^2/NDF: 6121.2/84



Right In: -29.396+/-0.777 χ^2/NDF: 1947.1/16

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -19.872+/-0.749 χ^2/NDF: 3826.7/19

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

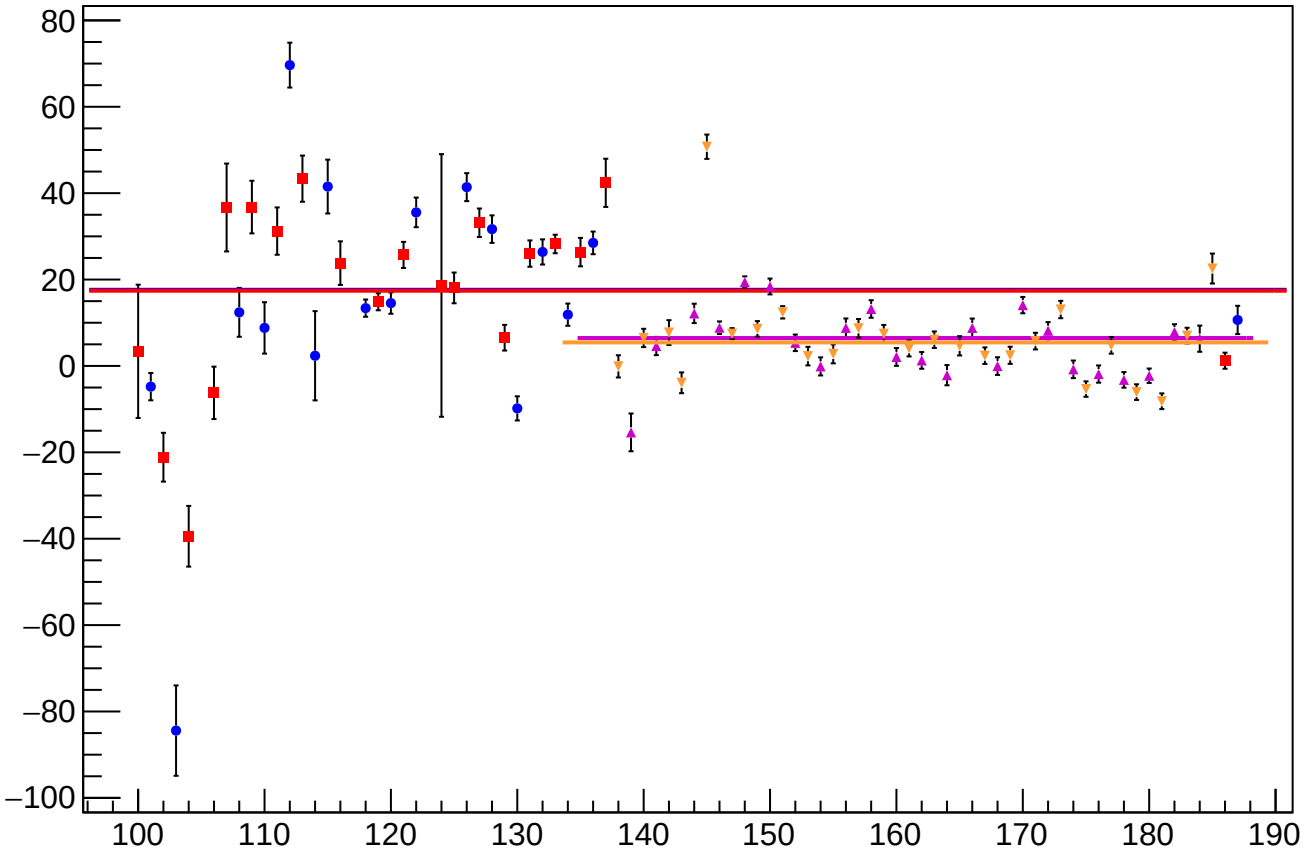
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -24.459+/-0.539 χ^2/NDF: 5851.7/36

In: -16.224+/-0.436 χ^2/NDF:4884.6/39

Out: -12.000+/-0.424 χ^2/NDF:6548.8/44

All: -14.052+/-0.304 χ^2/NDF: 11481.7/84



Right In: 17.628+/-0.798 χ^2/NDF: 504.4/16

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 17.416+/-0.787 χ^2/NDF: 355.4/19

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

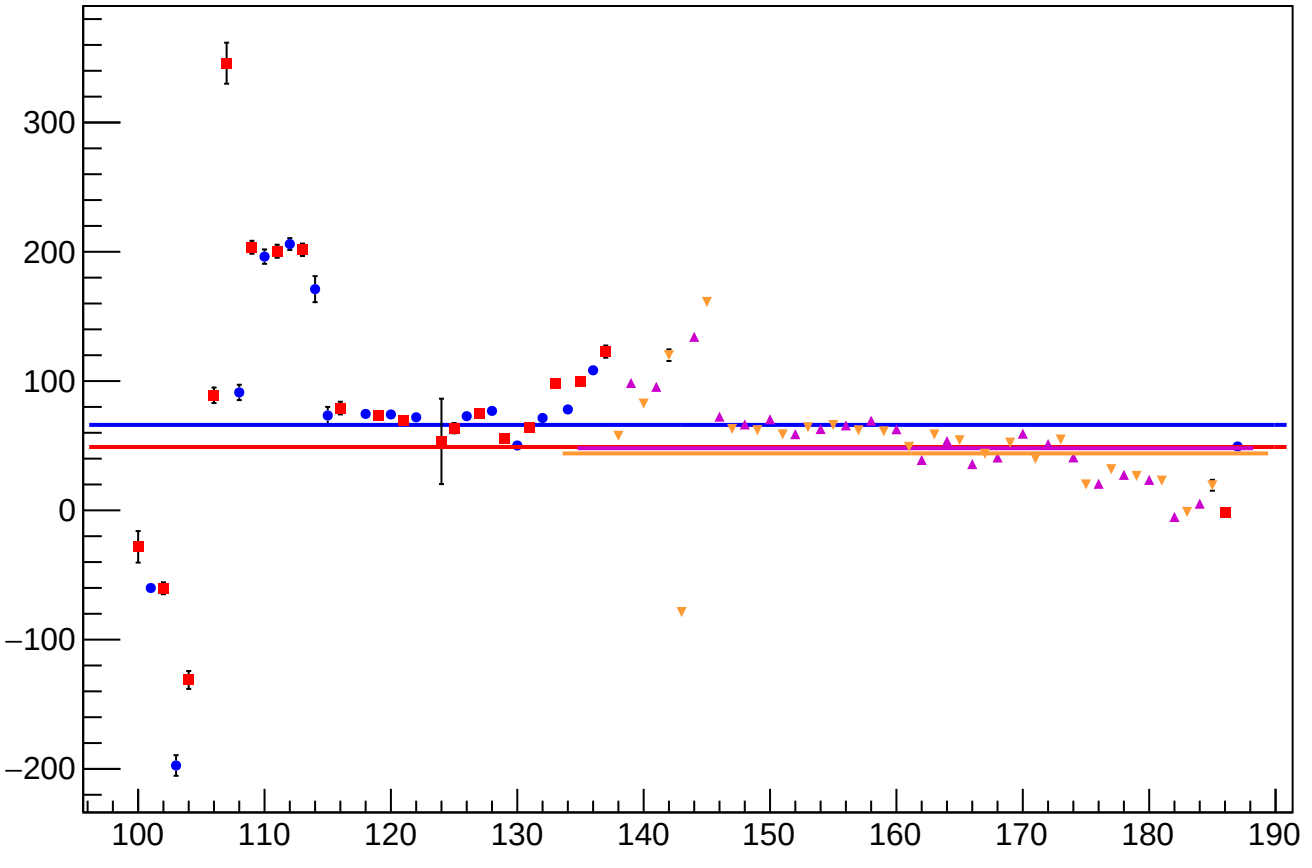
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 17.520+/-0.560 χ^2/NDF: 859.8/36

In: 8.776+/-0.363 χ^2/NDF:995.6/39

Out: 7.845+/-0.352 χ^2/NDF:1034.2/44

All: 8.296+/-0.253 χ^2/NDF: 2033.2/84



Right In: 66.104+/-0.811 χ^2/NDF: 4954.6/16

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 49.005+/-0.761 χ^2/NDF: 7317.6/19

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

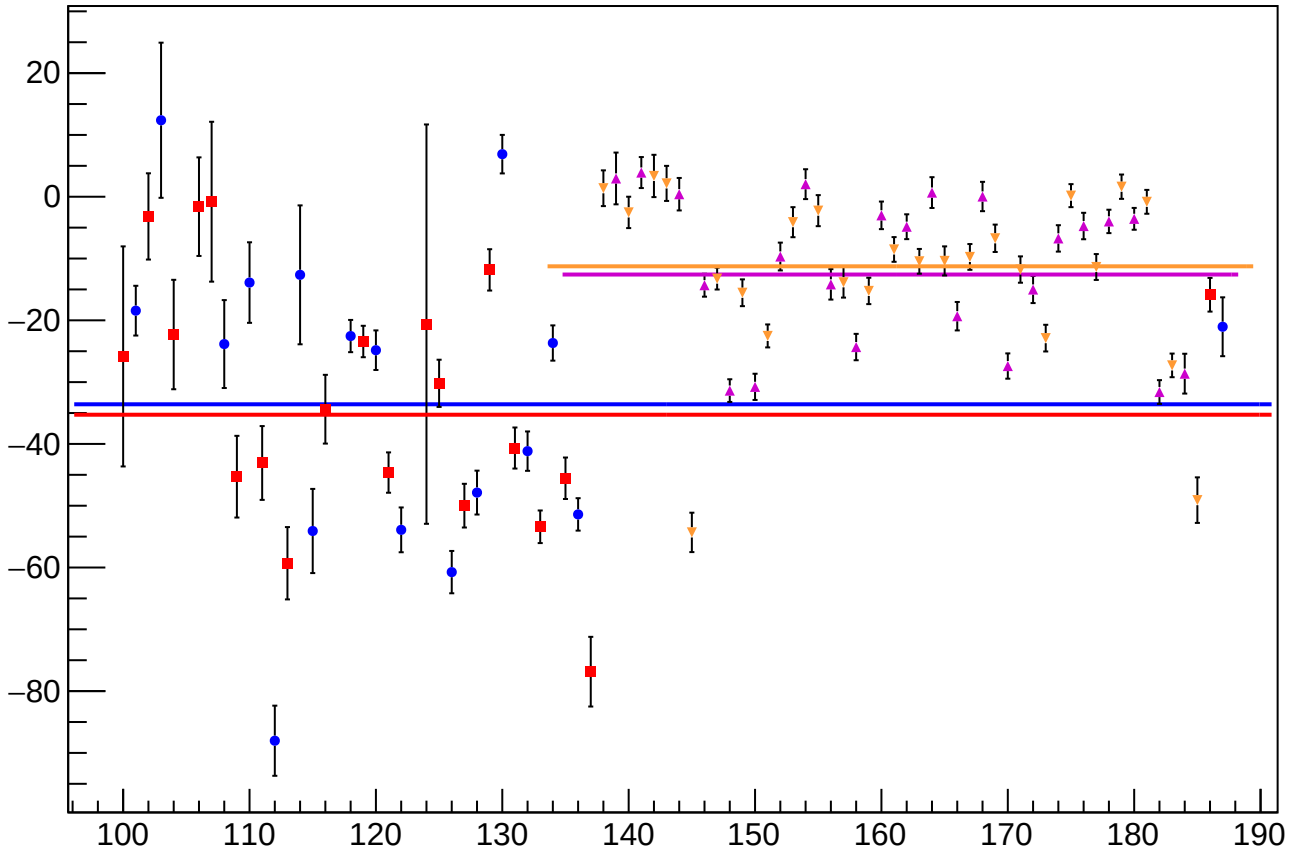
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 57.013+/-0.555 χ^2/NDF: 12508.6/36

In: 53.346+/-0.438 χ^2/NDF:8680.8/39

Out: 45.578+/-0.424 χ^2/NDF:11910.8/44

All: 49.329+/-0.305 χ^2/NDF: 20753.9/84



Right In: -33.586+/-0.924 χ^2/NDF: 518.4/16

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -35.275+/-0.934 χ^2/NDF: 332.1/19

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

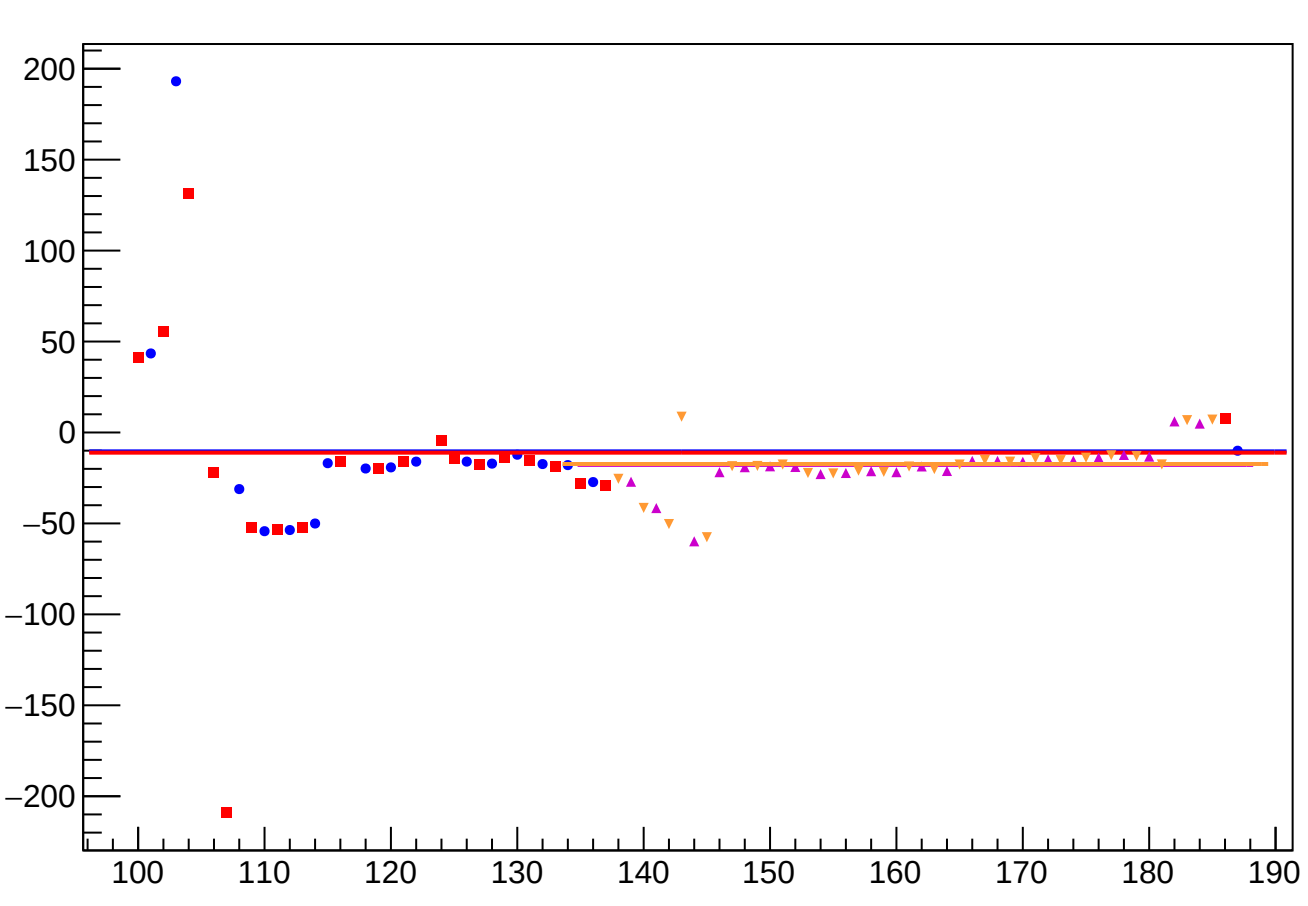
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -34.422+/-0.657 χ^2/NDF: 852.1/36

In: -16.741+/-0.411 χ^2/NDF:1604.3/39

Out: -15.703+/-0.402 χ^2/NDF:1514.5/44

All: -16.210+/-0.287 χ^2/NDF: 3122.0/84



Right In: -10.383+/-0.056 χ^2/NDF: 522336.4/16

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -11.094+/-0.060 χ^2/NDF: 460212.2/19

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

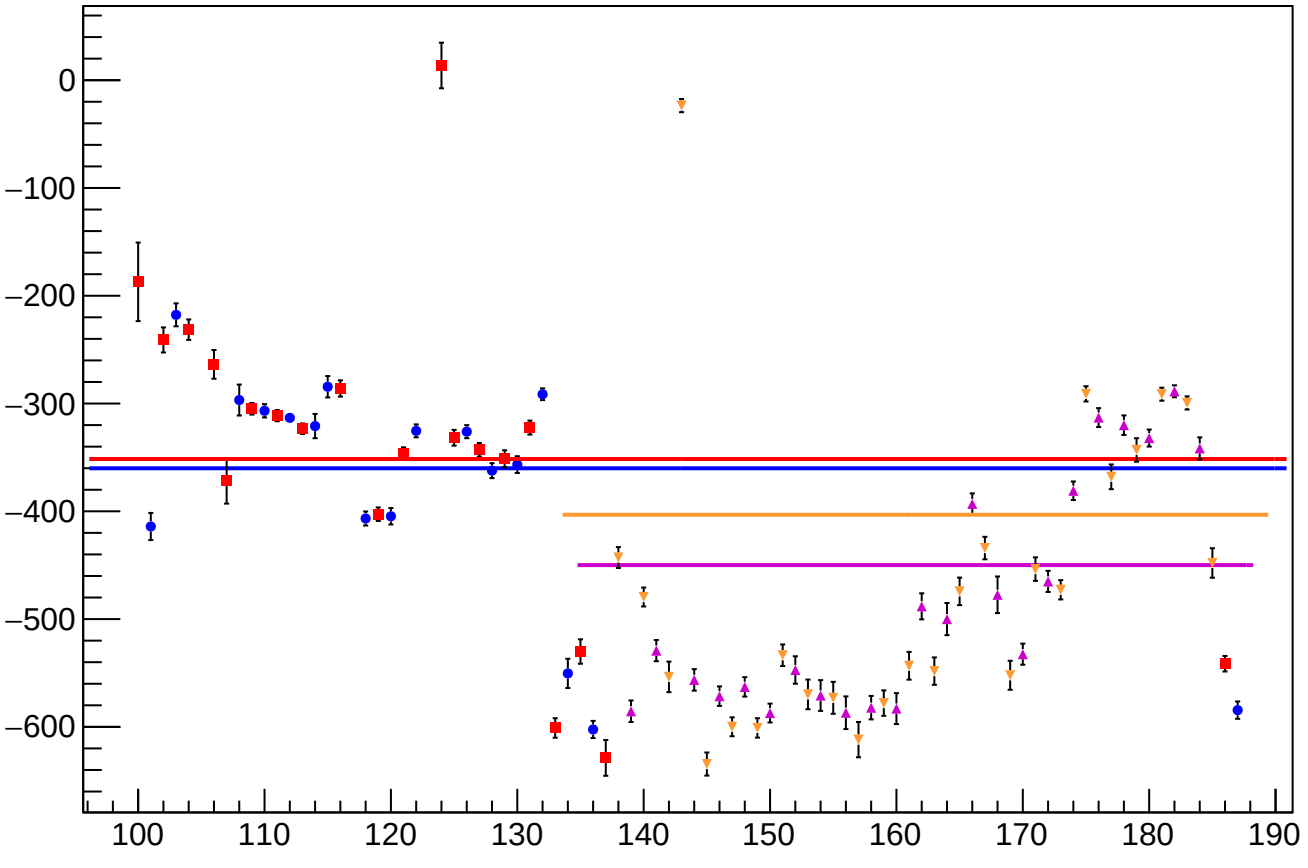
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -10.714+/-0.041 χ^2/NDF: 982624.7/36

In: -16.953+/-0.019 χ^2/NDF:805619.5/39

Out: -16.701+/-0.019 χ^2/NDF:817846.6/44

All: -16.826+/-0.013 χ^2/NDF: 1623554.1/84



Right In: -360.080+/-1.780 χ^2/NDF: 2672.6/16

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -351.476+/-1.709 χ^2/NDF: 2933.9/19

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

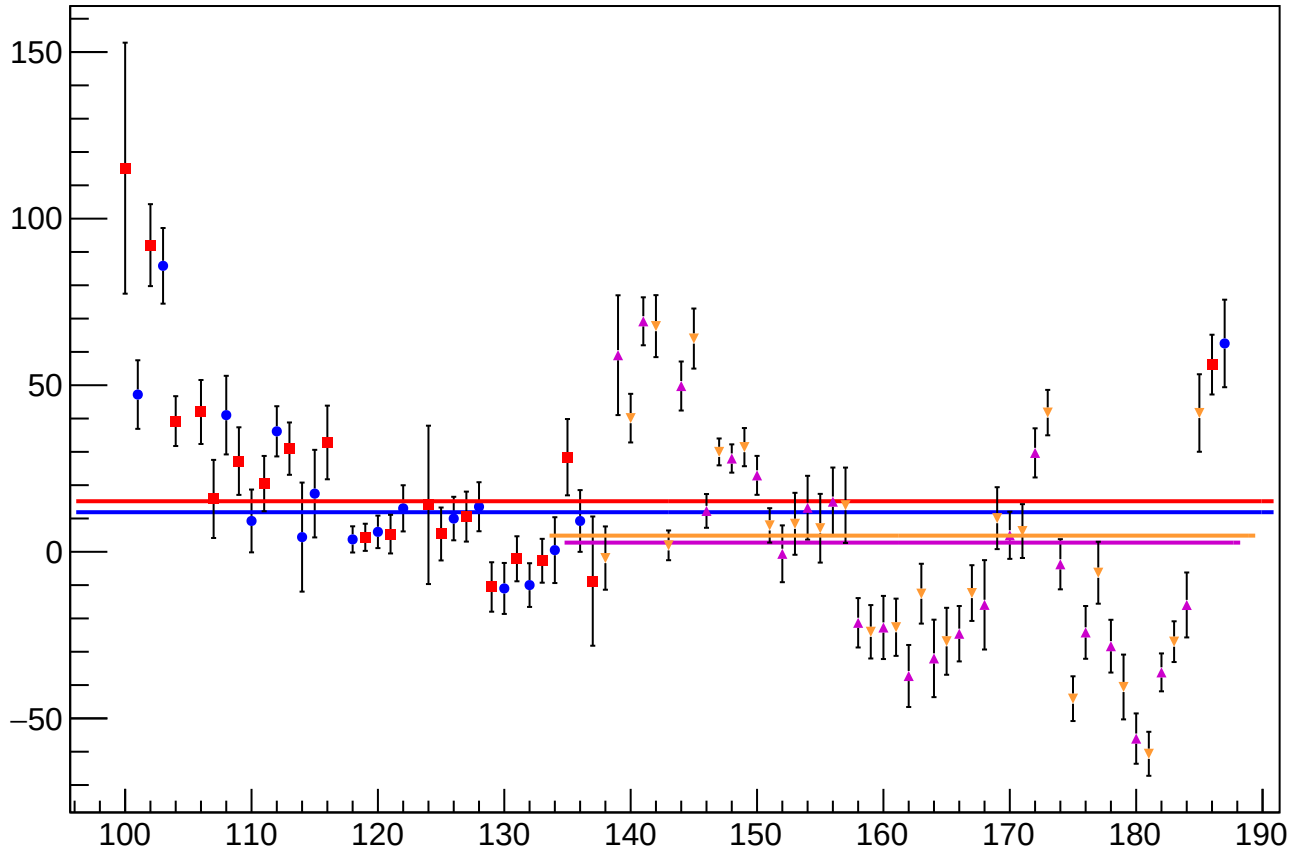
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -355.604+/-1.233 χ^2/NDF: 5618.7/36

In: -398.832+/-1.342 χ^2/NDF:6990.7/39

Out: -374.240+/-1.279 χ^2/NDF:11087.2/44

All: -385.944+/-0.926 χ^2/NDF: 18253.9/84



Right In: 11.885+/-1.825 χ^2/NDF: 113.4/16

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 15.180+/-1.816 χ^2/NDF: 134.2/19

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

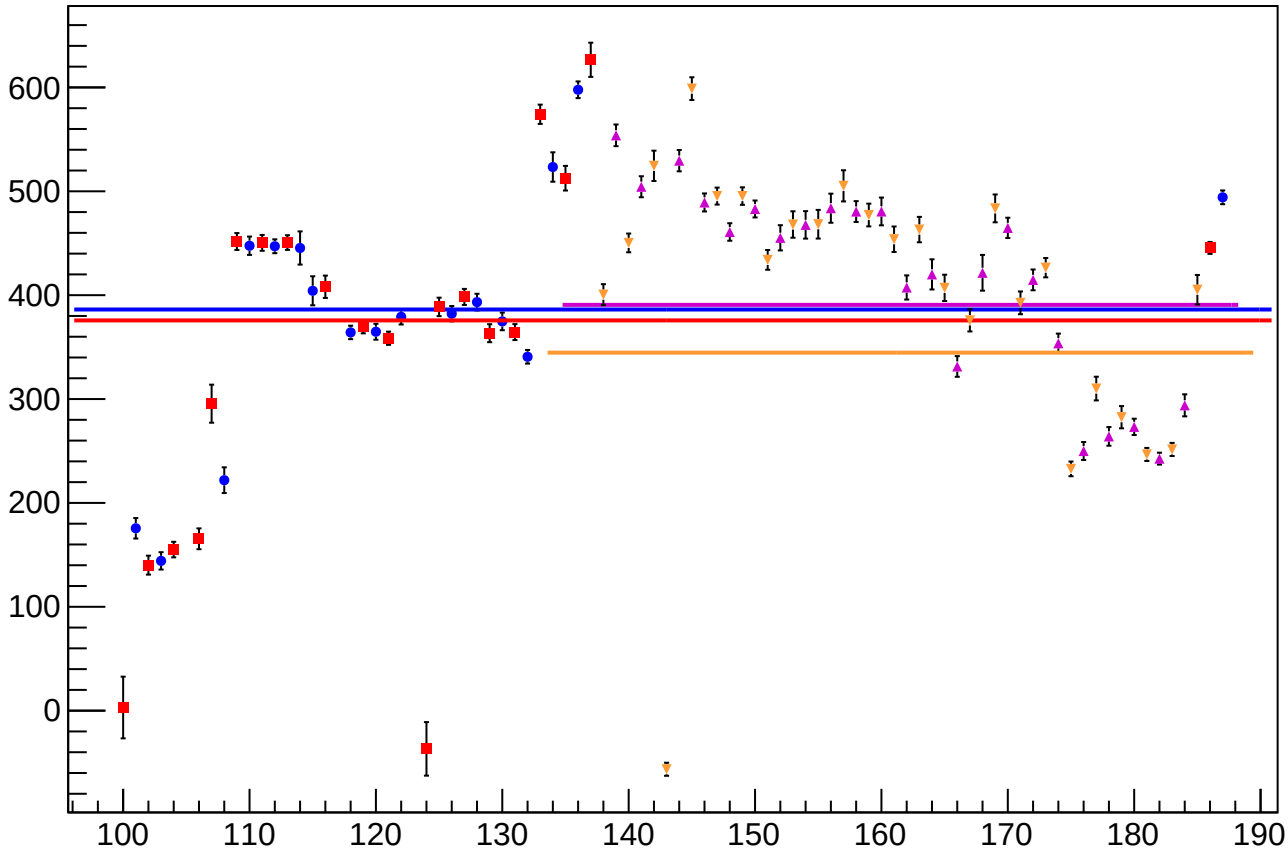
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 13.540+/-1.287 χ^2/NDF: 249.2/36

In: 6.594+/-1.183 χ^2/NDF:527.5/39

Out: 8.866+/-1.132 χ^2/NDF:611.2/44

All: 7.781+/-0.818 χ^2/NDF: 1140.6/84



Right In: 386.203+/-2.004 χ^2/NDF: 2742.1/16

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 375.700+/-1.930 χ^2/NDF: 3707.3/19

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

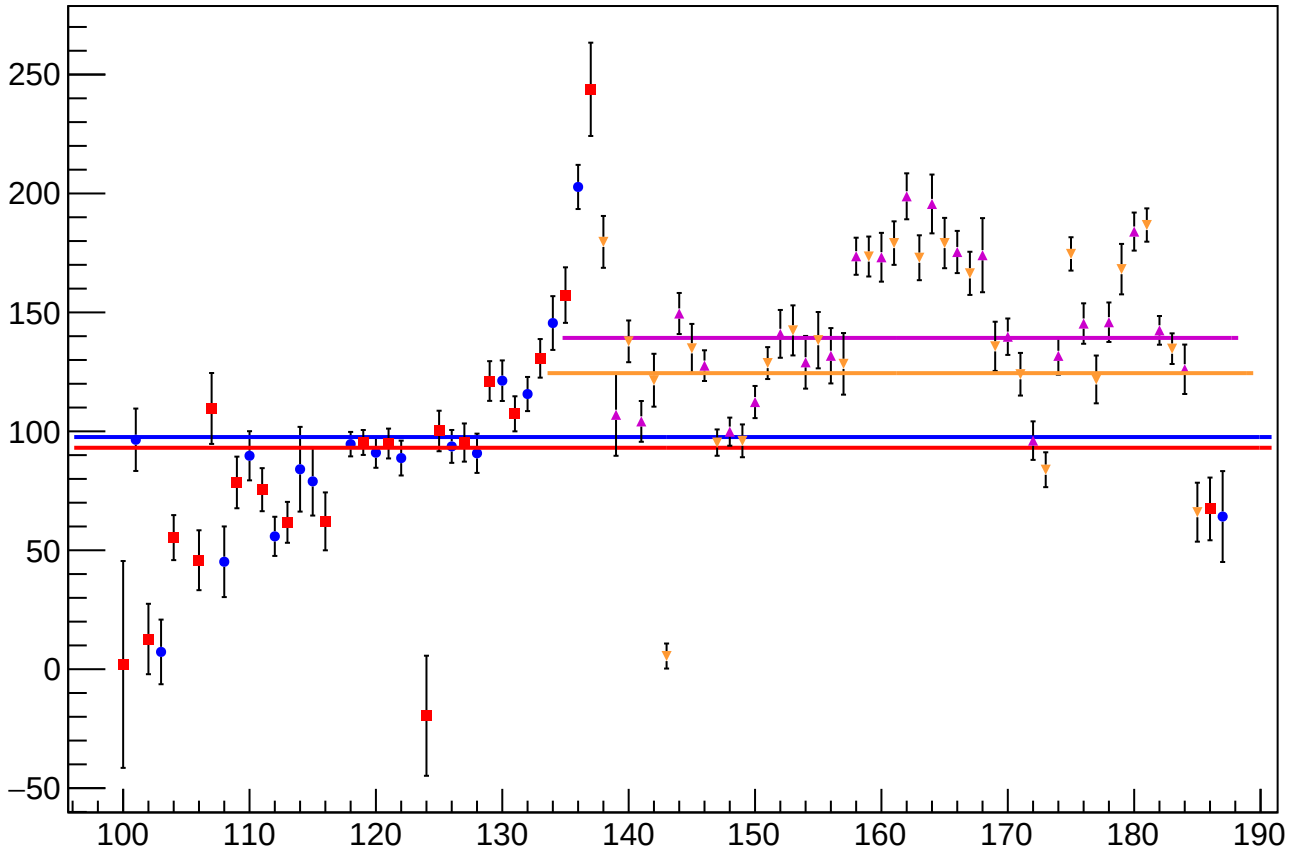
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 380.755+/-1.390 χ^2/NDF: 6463.6/36

In: 388.410+/-1.426 χ^2/NDF:5417.3/39

Out: 360.139+/-1.363 χ^2/NDF:11115.0/44

All: 373.633+/-0.985 χ^2/NDF: 16737.7/84



Right In: 97.600+/-2.131 χ^2/NDF: 252.6/16

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 93.095+/-2.111 χ^2/NDF: 241.0/19

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

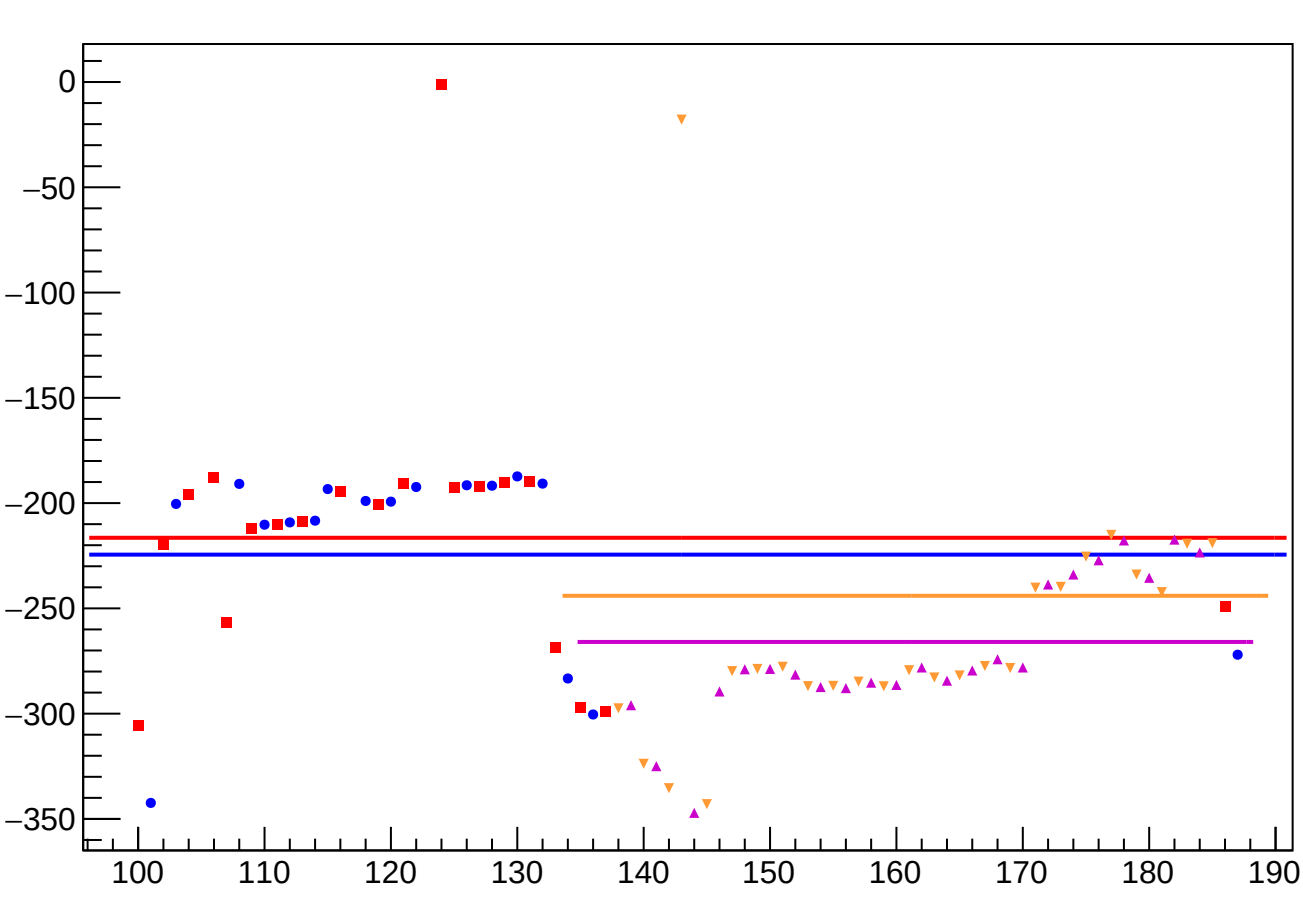
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 95.326+/-1.500 χ^2/NDF: 495.9/36

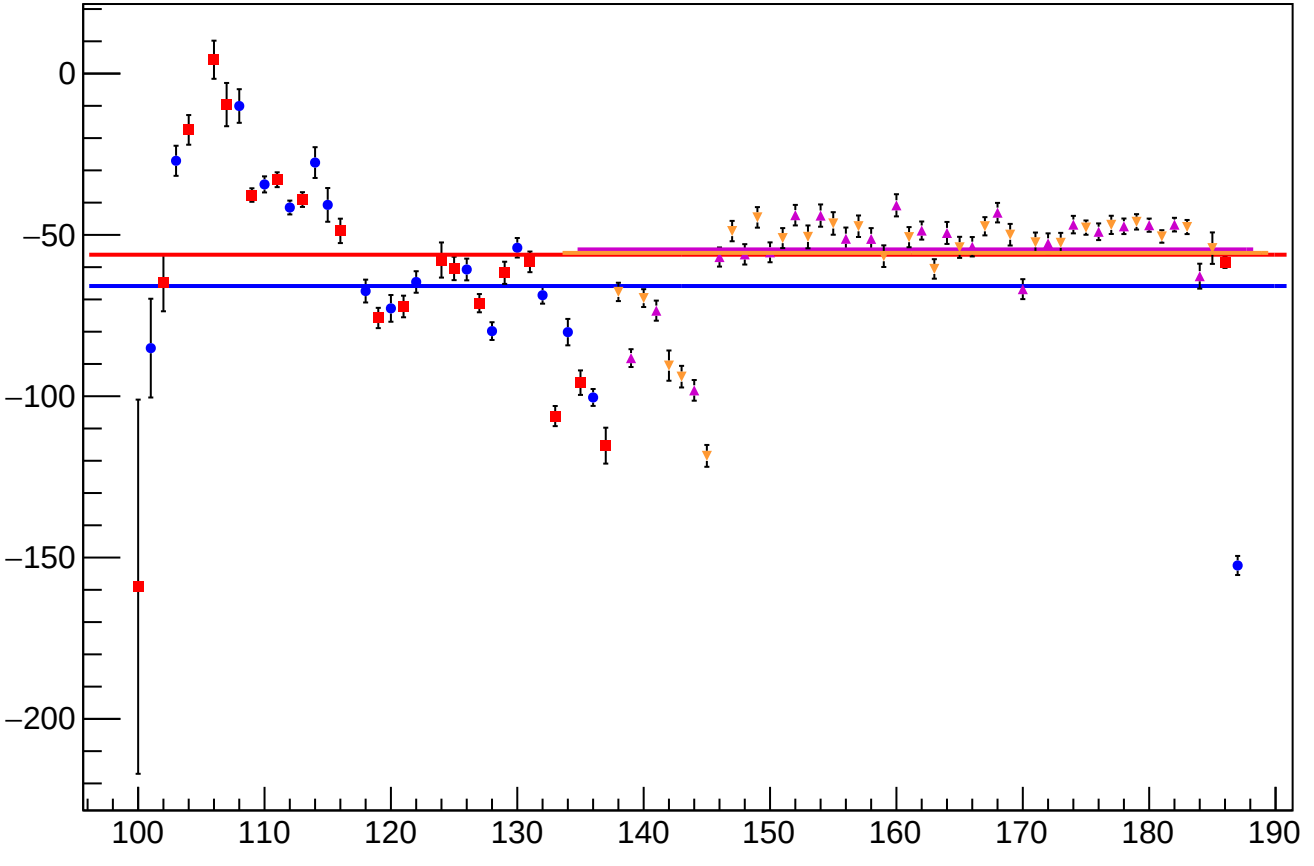
In: 122.266+/-1.361 χ^2/NDF:739.9/39

Out: 112.462+/-1.306 χ^2/NDF:1315.0/44

All: 117.160+/-0.942 χ^2/NDF: 2081.9/84


reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
180
190
Right In: -224.478+/-0.137 χ²/NDF: 123579.8/16
Left Out: -244.021+/-0.077 χ²/NDF:997959.6/24
Right Out: -216.470+/-0.133 χ²/NDF: 82755.7/19
Left In: -265.945+/-0.081 χ²/NDF:169943.2/22
Left: -254.542+/-0.056 χ²/NDF: 1206480.5/47
Right: -220.350+/-0.095 χ²/NDF: 208093.4/36
In: -255.316+/-0.069 χ²/NDF:361536.1/39
Out: -237.055+/-0.067 χ²/NDF:1112809.1/44
All: -245.839+/-0.048 χ²/NDF: 1510251.4/84

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -65.843+/-0.798 χ^2/NDF: 1653.0/16

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -56.141+/-0.723 χ^2/NDF: 1043.1/19

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

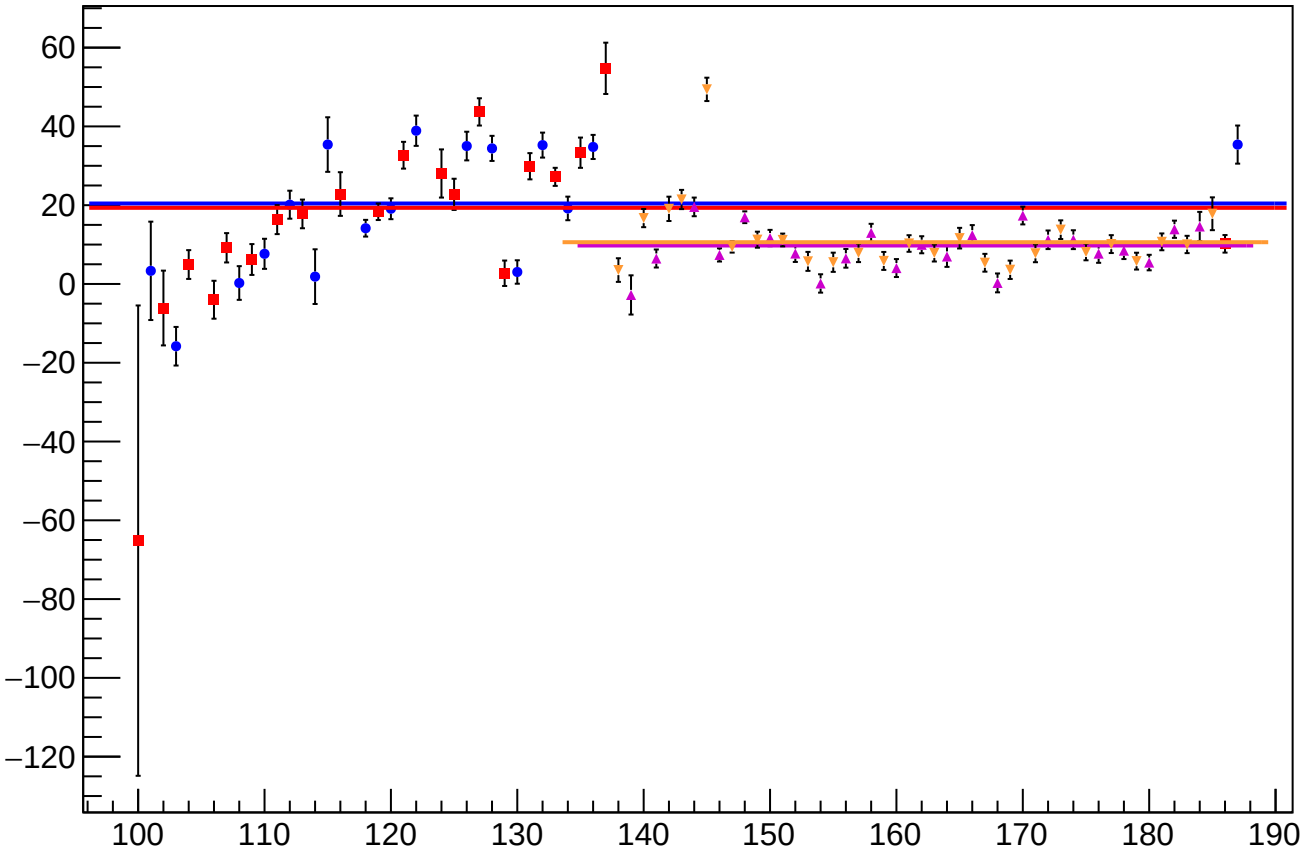
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -60.515+/-0.536 χ^2/NDF: 2777.1/36

In: -58.648+/-0.483 χ^2/NDF:2281.4/39

Out: -55.801+/-0.457 χ^2/NDF:1729.9/44

All: -57.147+/-0.332 χ^2/NDF: 4029.7/84



Right In: 20.426+/-0.854 χ^2/NDF: 257.0/16

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 19.332+/-0.789 χ^2/NDF: 244.0/19

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

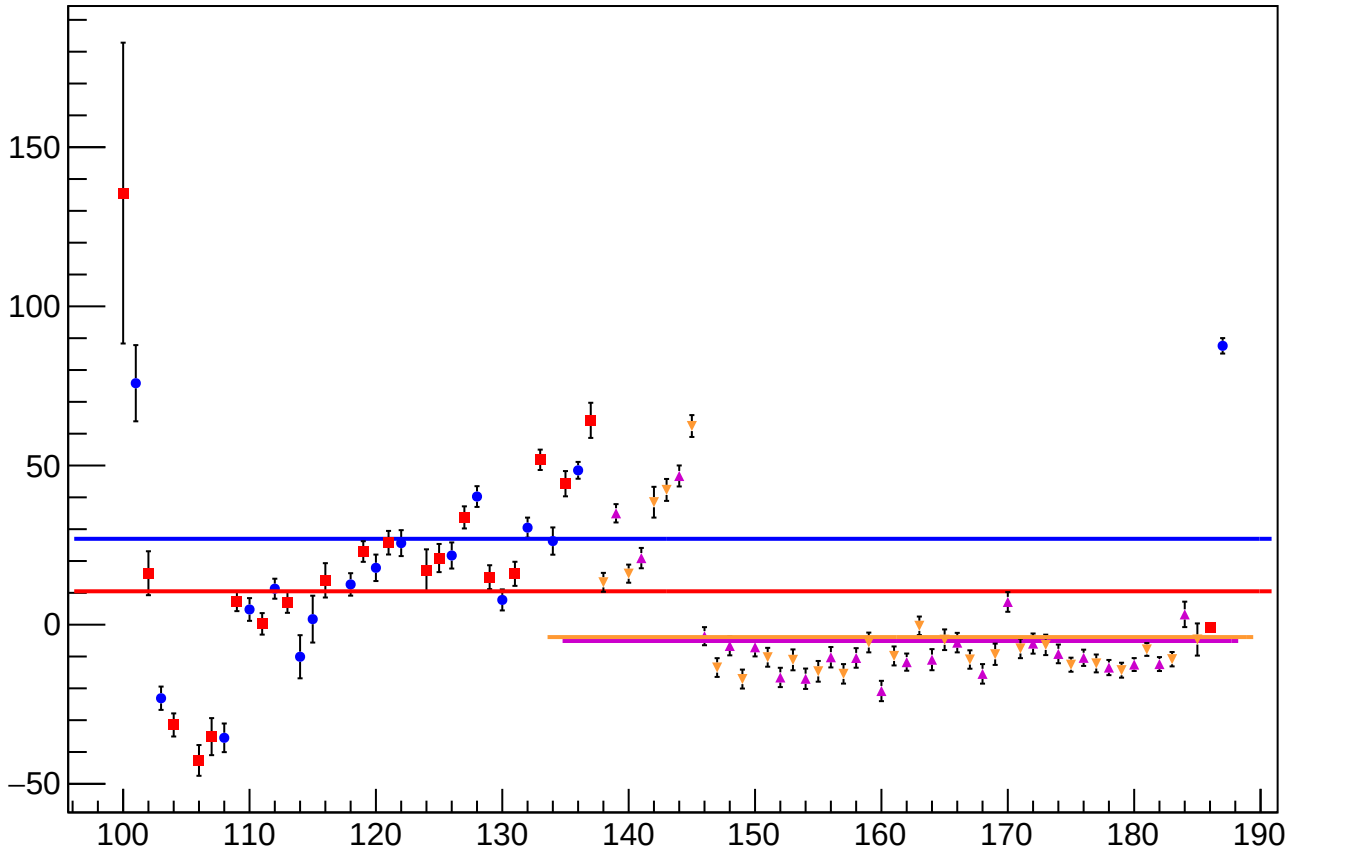
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 19.836+/-0.579 χ^2/NDF: 501.9/36

In: 12.220+/-0.410 χ^2/NDF:498.1/39

Out: 12.741+/-0.390 χ^2/NDF:591.6/44

All: 12.493+/-0.283 χ^2/NDF: 1090.5/84


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
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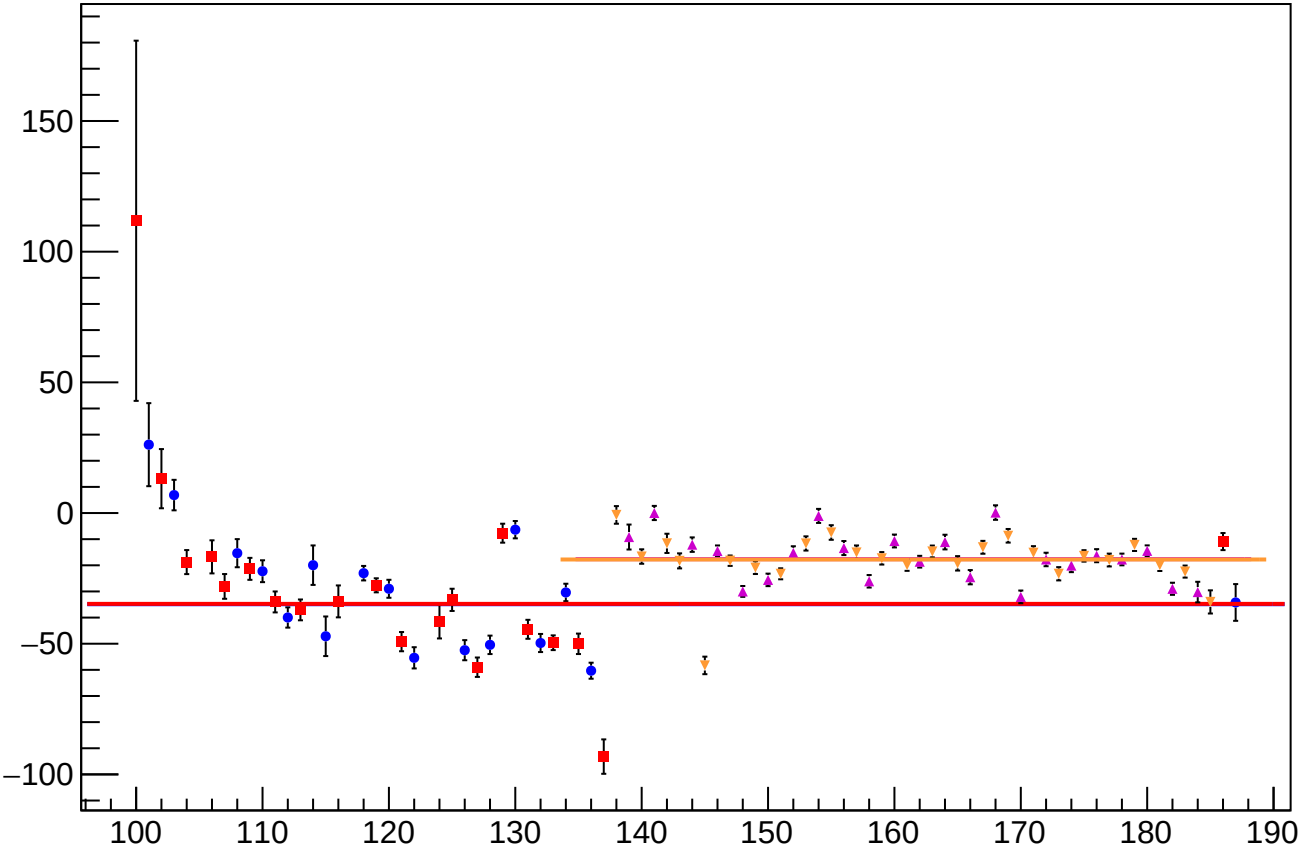
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: 26.974+/-0.890 χ²/NDF: 1265.5/16
Left Out: -3.895+/-0.585 χ²/NDF:850.2/24
Right Out: 10.488+/-0.784 χ²/NDF: 819.1/19
Left In: -5.124+/-0.600 χ²/NDF:649.7/22
Left: -4.494+/-0.419 χ²/NDF: 1502.0/47
Right: 17.686+/-0.588 χ²/NDF: 2277.9/36
In: 4.895+/-0.497 χ²/NDF:2809.8/39
Out: 1.253+/-0.469 χ²/NDF:1885.6/44
All: 2.967+/-0.341 χ²/NDF: 4723.7/84

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.886+/-0.981 χ^2/NDF: 346.6/16

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -34.756+/-0.929 χ^2/NDF: 359.3/19

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

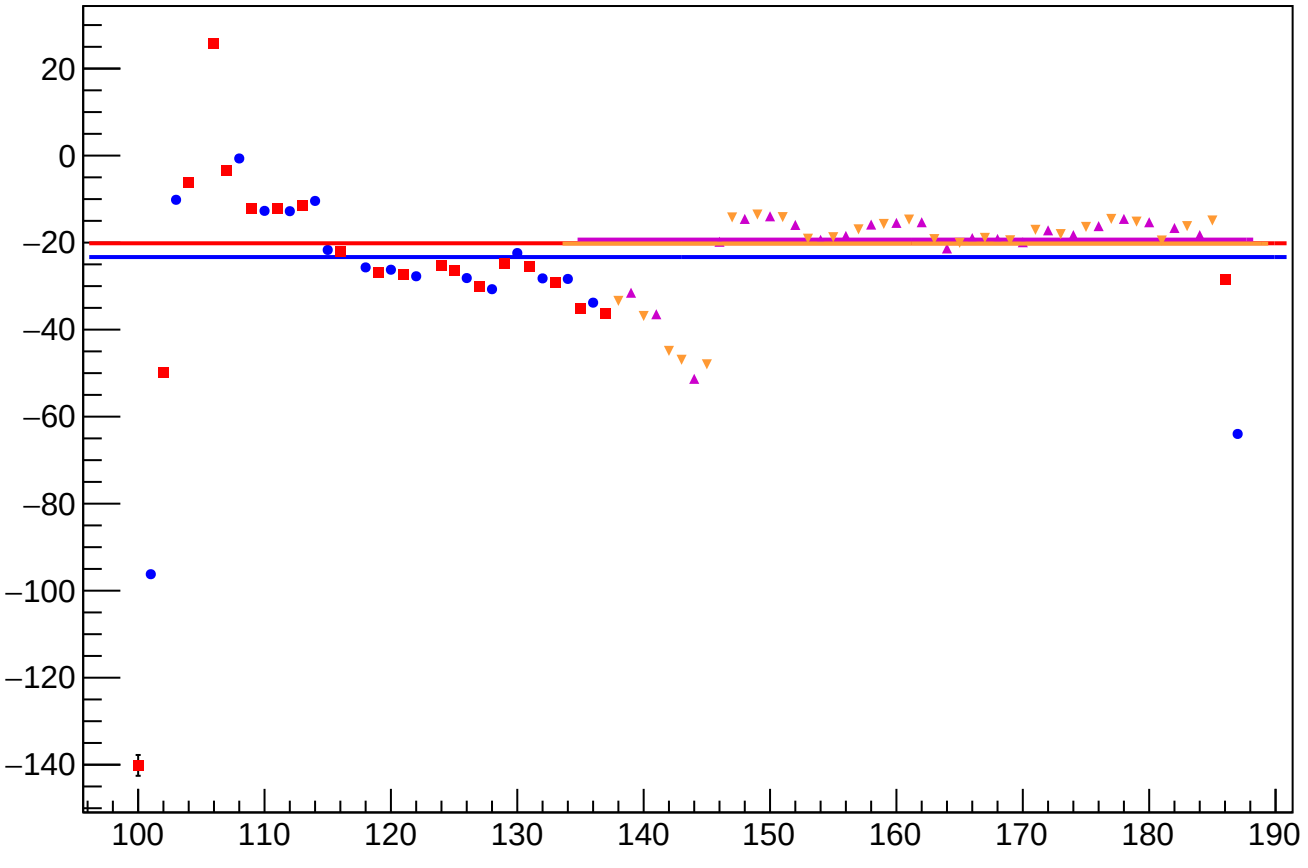
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -34.818+/-0.675 χ^2/NDF: 705.9/36

In: -21.495+/-0.464 χ^2/NDF:872.6/39

Out: -21.691+/-0.446 χ^2/NDF:867.7/44

All: -21.597+/-0.321 χ^2/NDF: 1740.4/84



Right In: -23.322+/-0.058 χ^2/NDF: 57882.1/16

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -20.154+/-0.058 χ^2/NDF: 85256.6/19

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

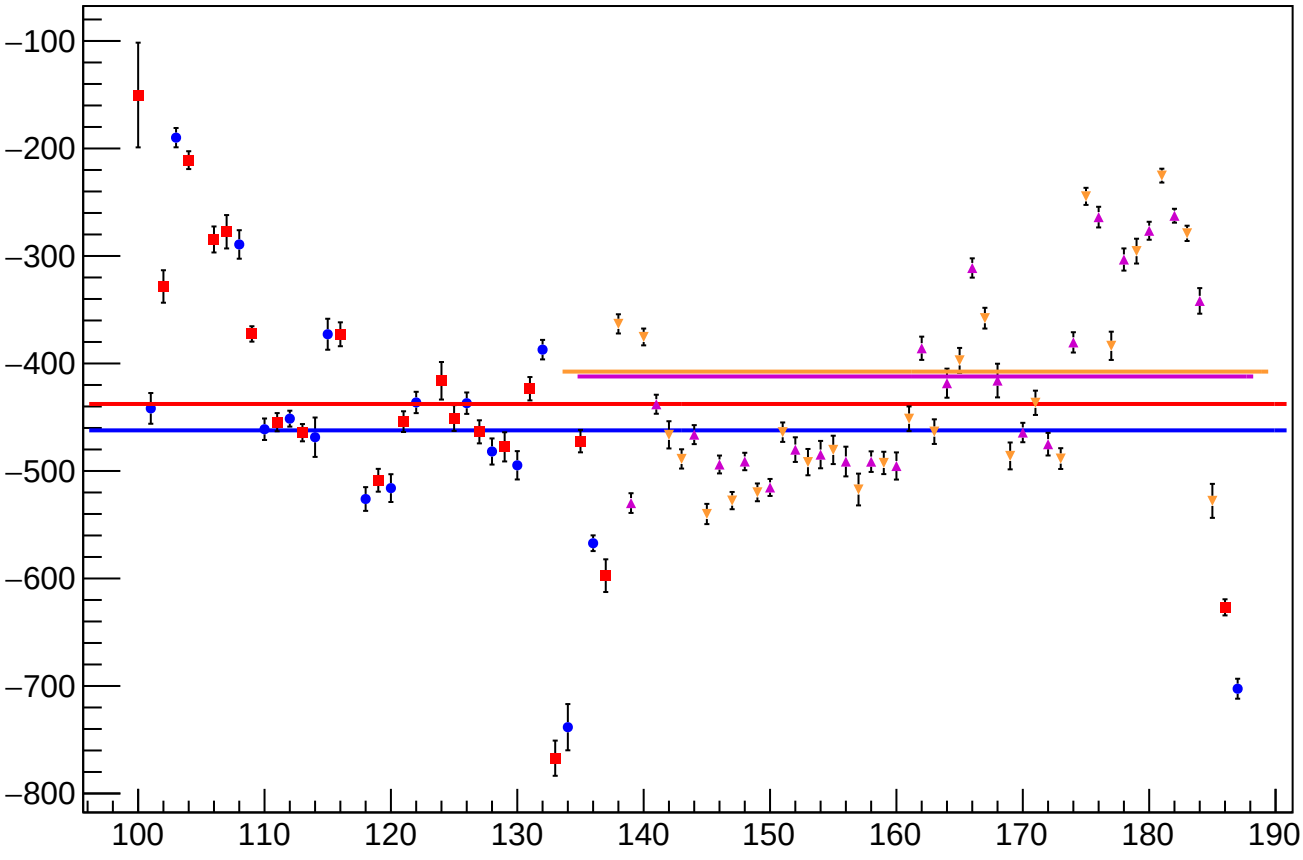
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -21.737+/-0.041 χ^2/NDF: 144650.3/36

In: -19.872+/-0.022 χ^2/NDF:155140.8/39

Out: -20.217+/-0.021 χ^2/NDF:232610.7/44

All: -20.047+/-0.015 χ^2/NDF: 387881.3/84



Right In: -462.225+/-2.576 χ^2/NDF: 2314.8/16

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -437.674+/-2.391 χ^2/NDF: 2462.6/19

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

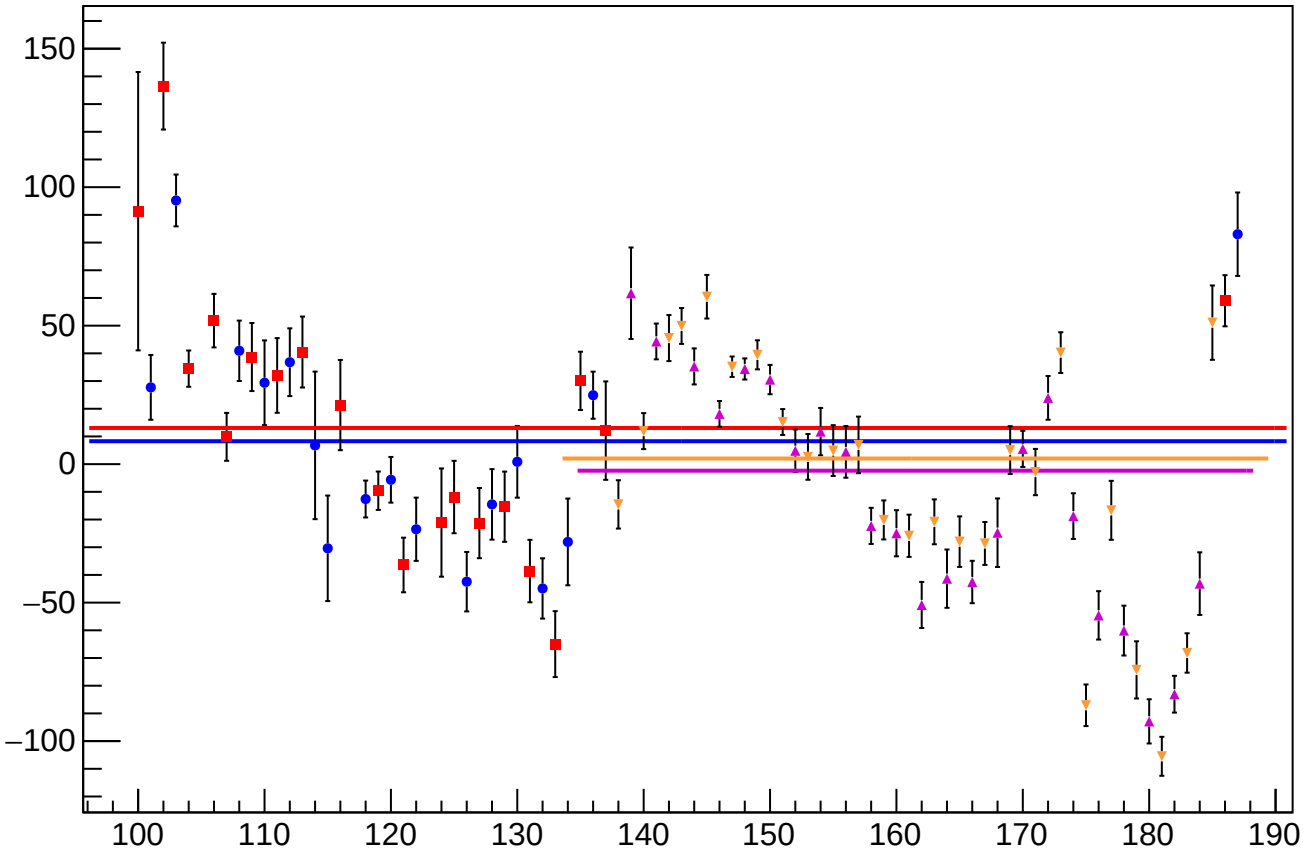
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -449.034+/-1.752 χ^2/NDF: 4826.1/36

In: -431.047+/-1.584 χ^2/NDF:4732.5/39

Out: -419.594+/-1.512 χ^2/NDF:5430.4/44

All: -425.053+/-1.094 χ^2/NDF: 10190.3/84



Right In: 8.276+/-2.684 χ^2/NDF: 213.6/16

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 13.059+/-2.464 χ^2/NDF: 248.8/19

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

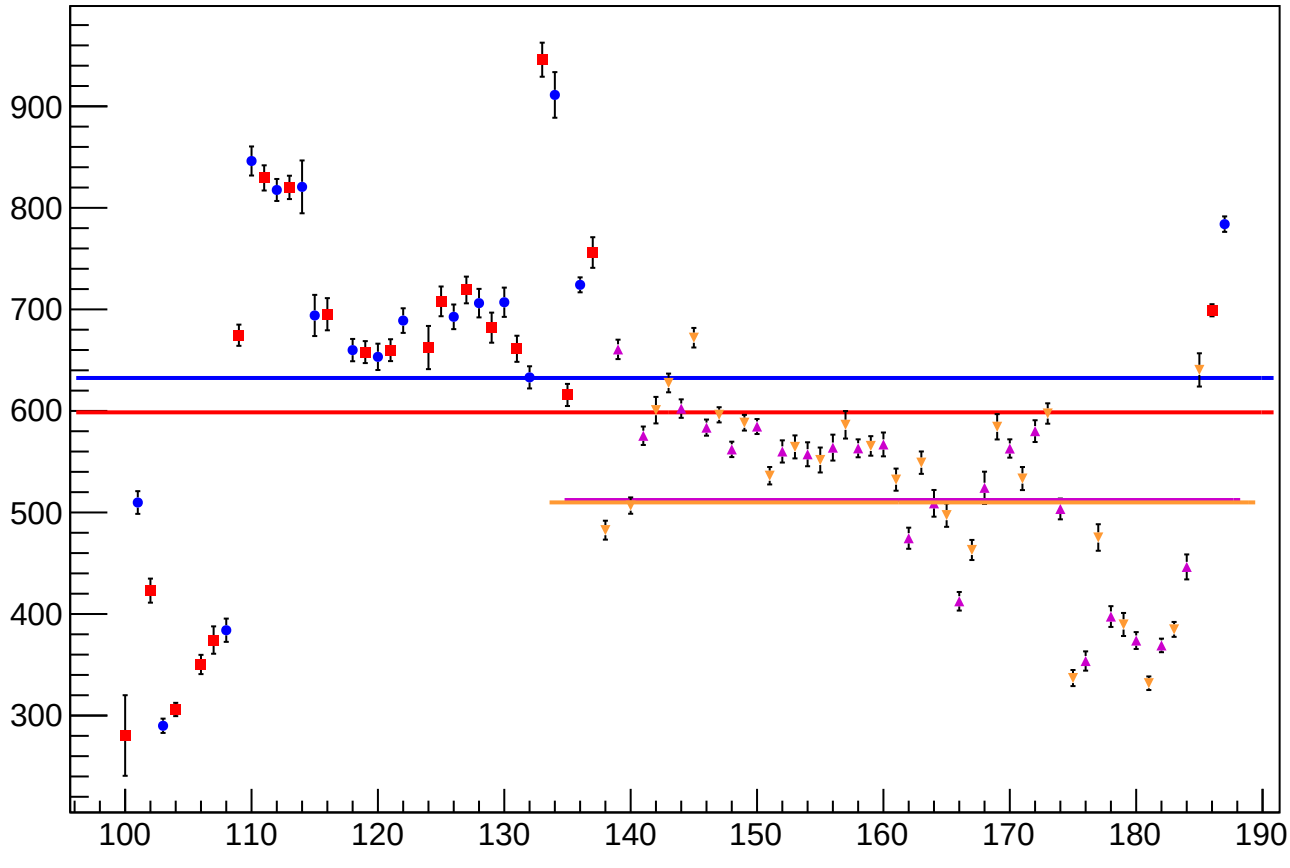
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 10.872+/-1.815 χ^2/NDF: 464.1/36

In: 0.122+/-1.298 χ^2/NDF:959.0/39

Out: 4.801+/-1.234 χ^2/NDF:1174.5/44

All: 2.579+/-0.894 χ^2/NDF: 2140.3/84


reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected
900
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150
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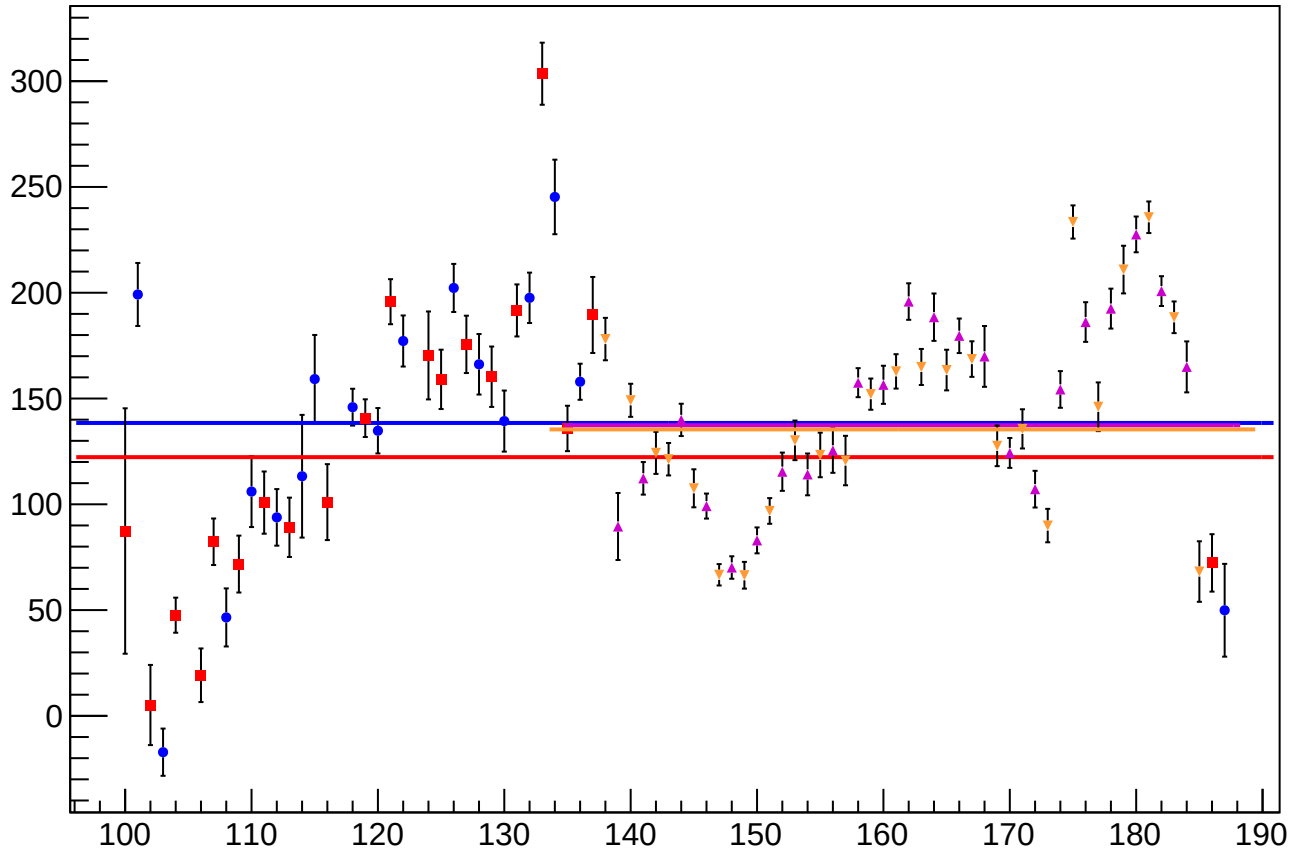
170
180
190
Right In: 632.454+/-2.704 χ²/NDF: 4343.9/16
Left Out: 509.912+/-1.936 χ²/NDF:2662.6/24
Right Out: 598.600+/-2.502 χ²/NDF: 5144.0/19
Left In: 512.270+/-1.984 χ²/NDF:2087.6/22
Left: 511.062+/-1.385 χ²/NDF: 4751.0/47
Right: 614.211+/-1.836 χ²/NDF: 9572.4/36
In: 554.317+/-1.600 χ²/NDF:7715.6/39
Out: 543.124+/-1.531 χ²/NDF:8592.7/44
All: 548.475+/-1.106 χ²/NDF: 16333.8/84



Right In: 138.450+/-3.119 χ^2/NDF: 402.0/16

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 122.290+/-2.909 χ^2/NDF: 522.8/19

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

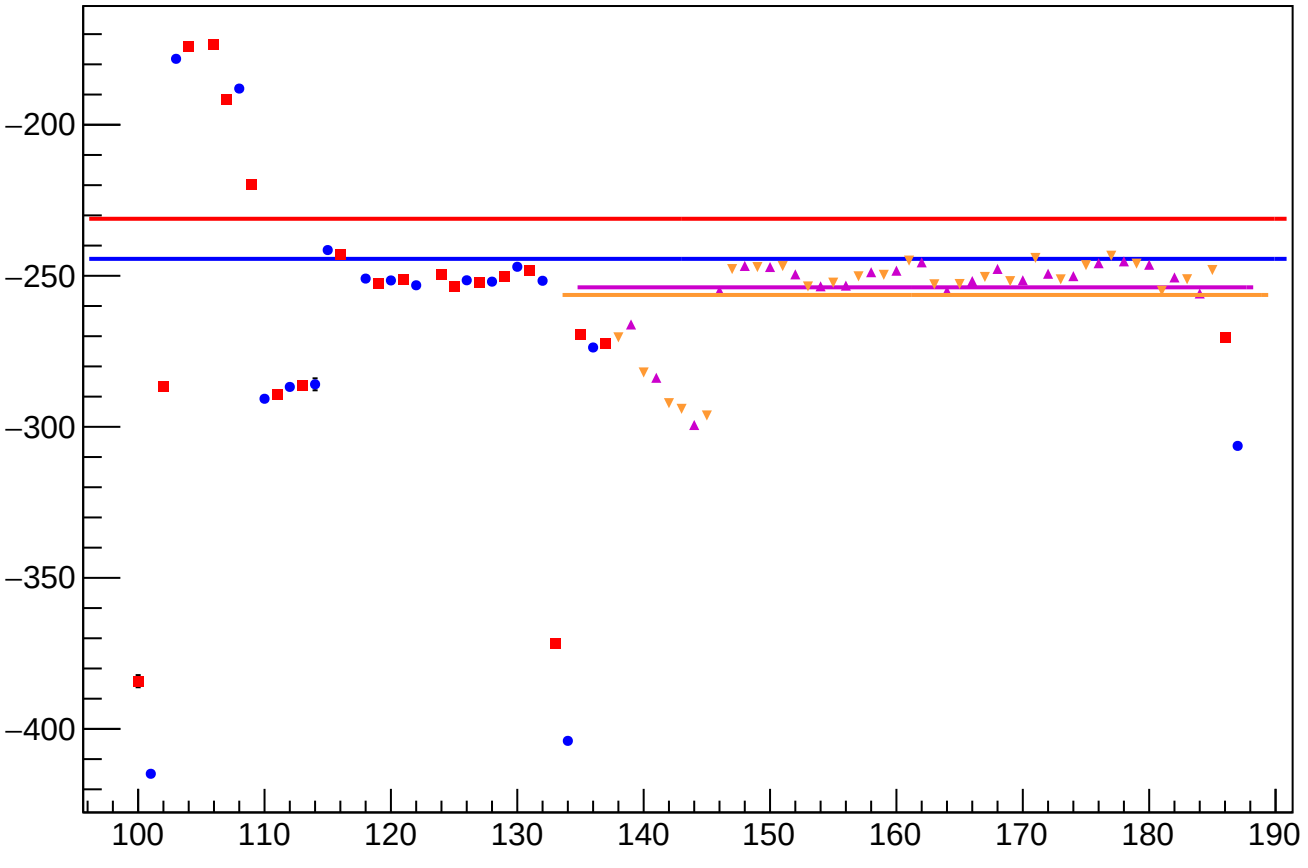
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 129.808+/-2.128 χ^2/NDF: 939.1/36

In: 137.621+/-1.494 χ^2/NDF:1108.1/39

Out: 132.218+/-1.434 χ^2/NDF:1461.3/44

All: 134.809+/-1.035 χ^2/NDF: 2576.2/84



Right In: -244.395+/-0.161 χ^2/NDF: 176080.4/16

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -231.124+/-0.155 χ^2/NDF: 104102.1/19

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

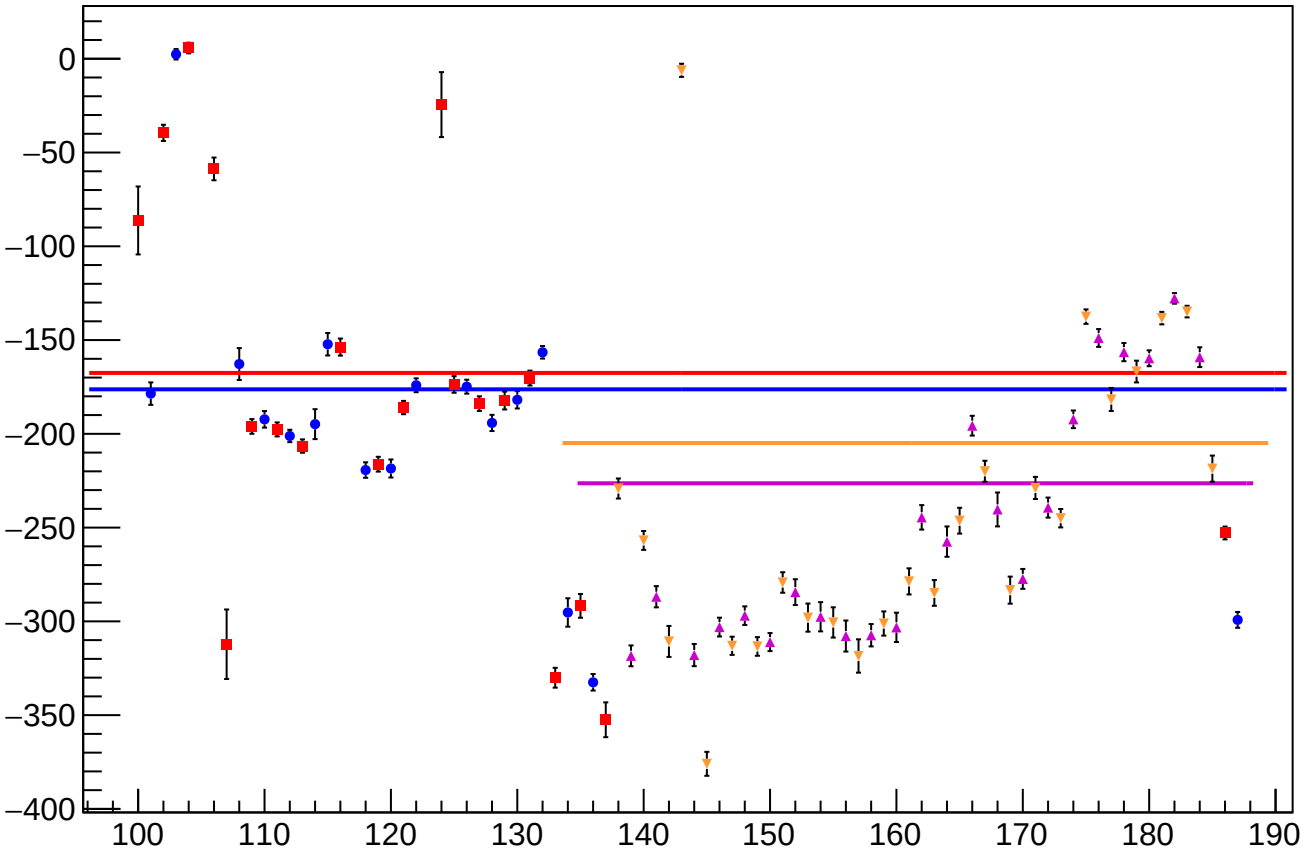
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -237.519+/-0.112 χ^2/NDF: 283697.9/36

In: -252.034+/-0.070 χ^2/NDF:202930.5/39

Out: -251.371+/-0.069 χ^2/NDF:164767.4/44

All: -251.697+/-0.049 χ^2/NDF: 367743.4/84



Right In: -176.274+/-1.042 χ^2/NDF: 6810.7/16

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -167.525+/-0.997 χ^2/NDF: 7878.1/19

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

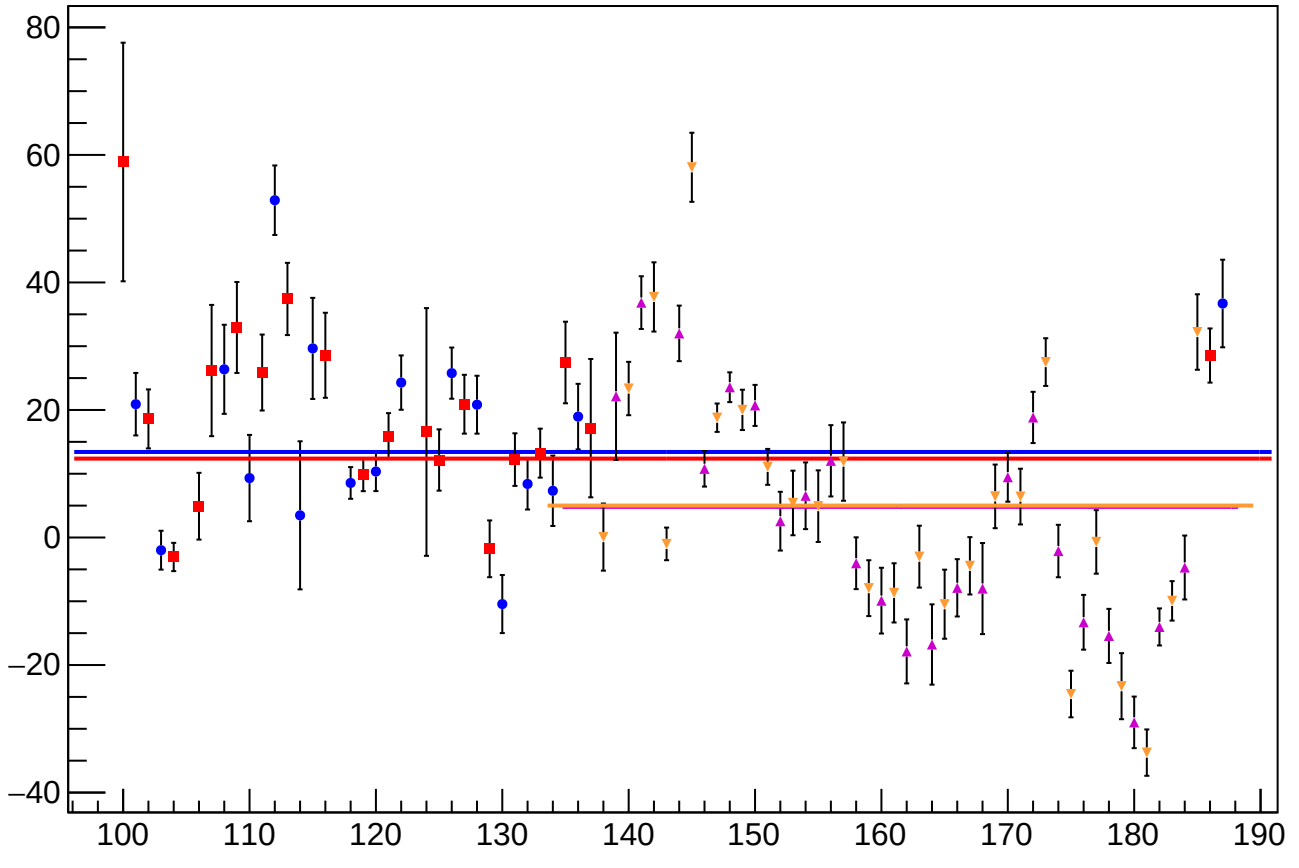
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -171.705+/-0.721 χ^2/NDF: 14725.5/36

In: -199.863+/-0.758 χ^2/NDF:12117.0/39

Out: -185.208+/-0.724 χ^2/NDF:16369.0/44

All: -192.193+/-0.524 χ^2/NDF: 28681.5/84



Right In: 13.414+/-1.063 χ^2/NDF: 155.5/16

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 12.374+/-1.006 χ^2/NDF: 134.9/19

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

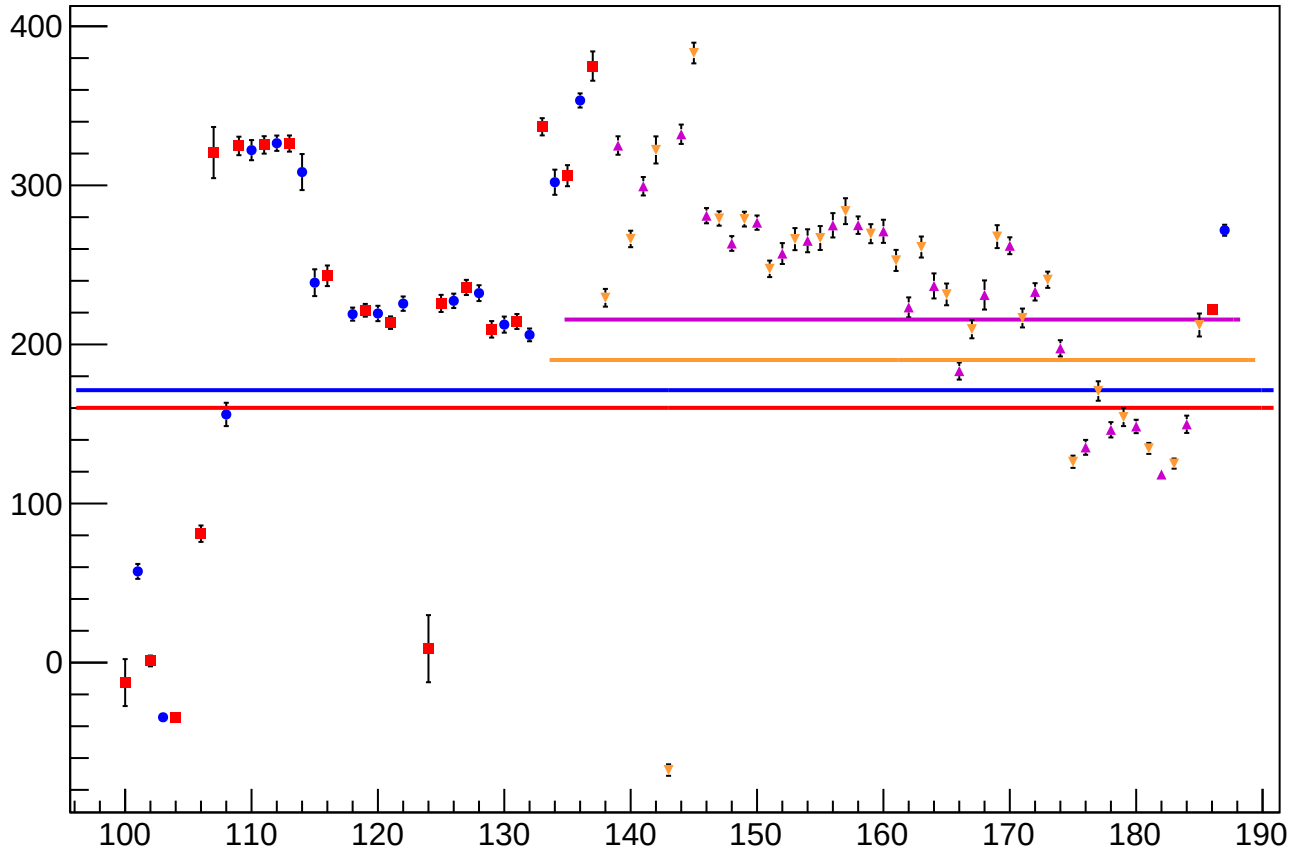
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 12.865+/-0.731 χ^2/NDF: 290.9/36

In: 8.140+/-0.662 χ^2/NDF:621.9/39

Out: 7.831+/-0.623 χ^2/NDF:716.5/44

All: 7.976+/-0.454 χ^2/NDF: 1338.5/84



Right In: 171.250+/-1.082 χ^2/NDF: 14880.8/16

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 160.144+/-1.026 χ^2/NDF: 16863.2/19

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

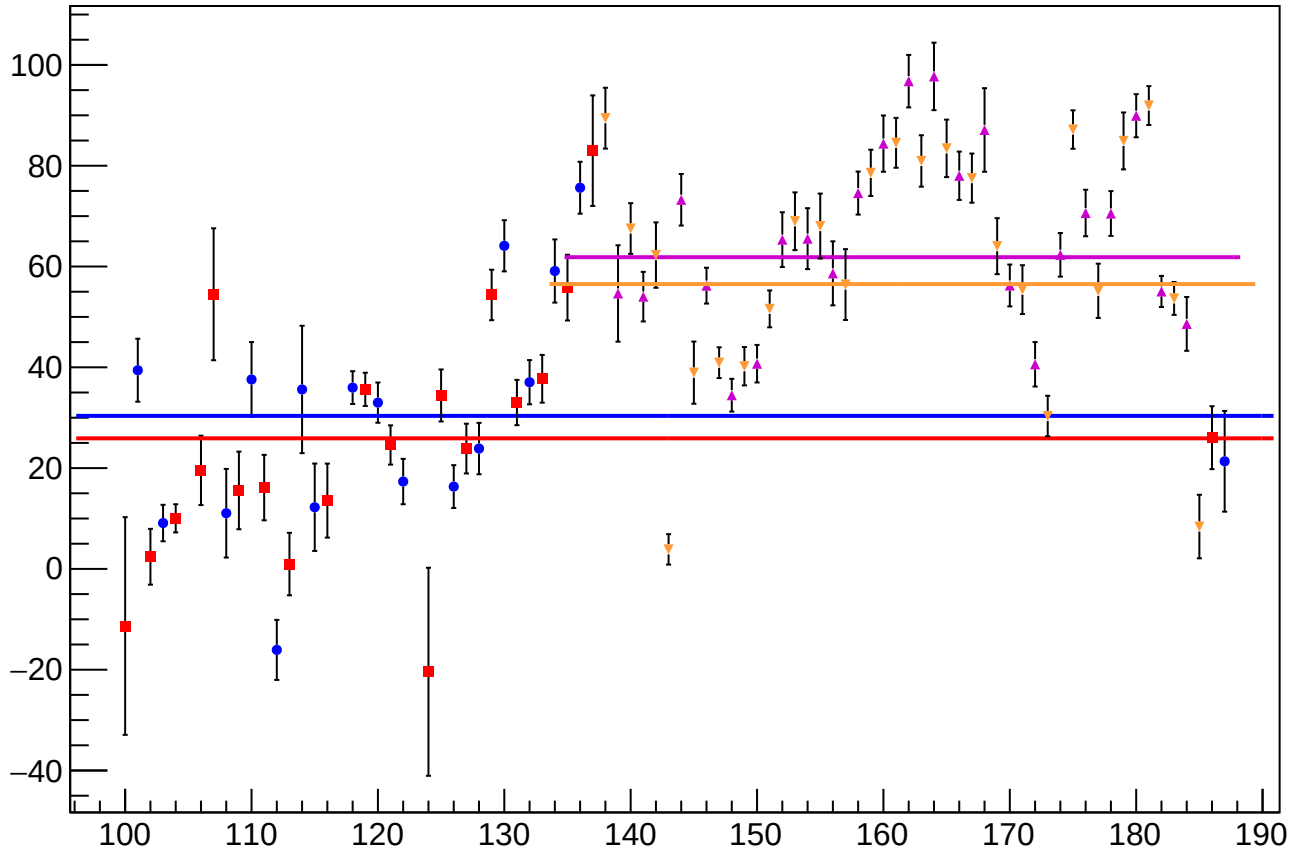
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 165.400+/-0.744 χ^2/NDF: 31799.5/36

In: 193.121+/-0.771 χ^2/NDF:19596.0/39

Out: 174.829+/-0.734 χ^2/NDF:26667.0/44

All: 183.524+/-0.531 χ^2/NDF: 46558.5/84



Right In: 30.368+/-1.245 χ^2/NDF: 277.8/16

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.908+/-1.191 χ^2/NDF: 187.8/19

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

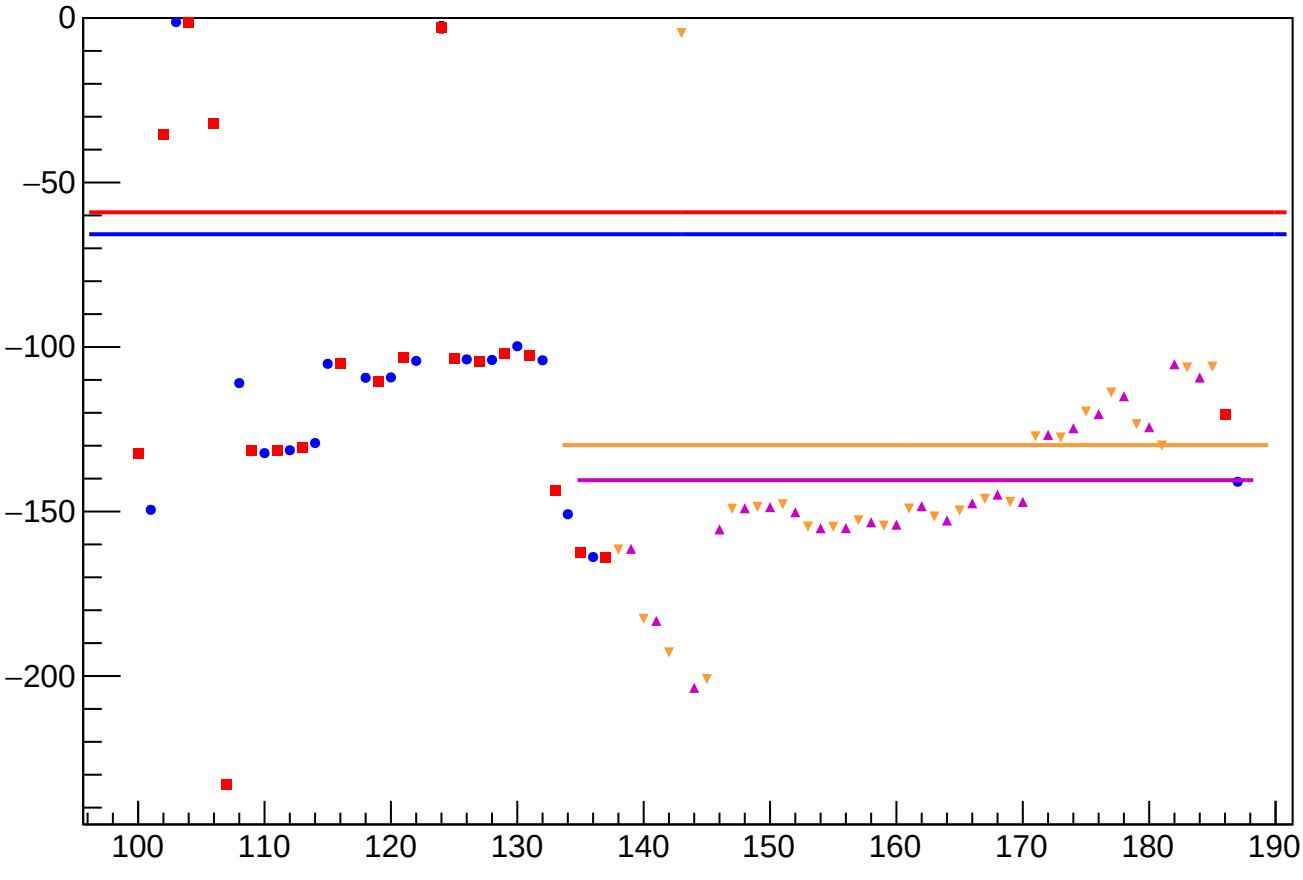
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 28.039+/-0.860 χ^2/NDF: 472.3/36

In: 50.086+/-0.761 χ^2/NDF:999.1/39

Out: 45.246+/-0.723 χ^2/NDF:1404.0/44

All: 47.541+/-0.524 χ^2/NDF: 2424.4/84



Right In: -65.720+/-0.063 χ^2/NDF: 1063050.1/16

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -59.061+/-0.062 χ^2/NDF: 895372.3/19

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

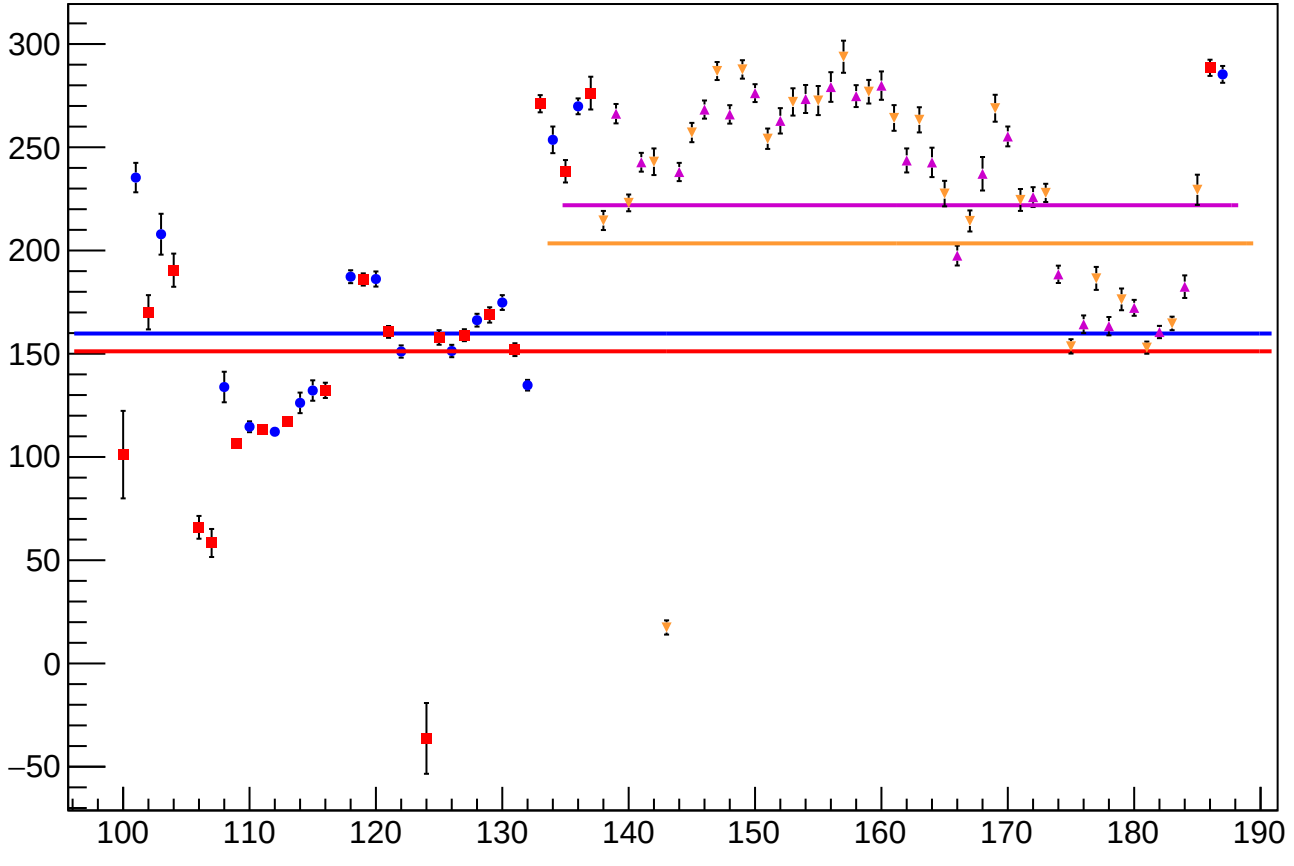
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -62.293+/-0.044 χ^2/NDF: 1964103.4/36

In: -116.410+/-0.036 χ^2/NDF:2261228.4/39

Out: -107.212+/-0.035 χ^2/NDF:2819801.0/44

All: -111.659+/-0.025 χ^2/NDF: 5114830.4/84



Right In: 159.794+/-0.850 χ^2/NDF: 3270.9/16

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 151.176+/-0.808 χ^2/NDF: 4238.8/19

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

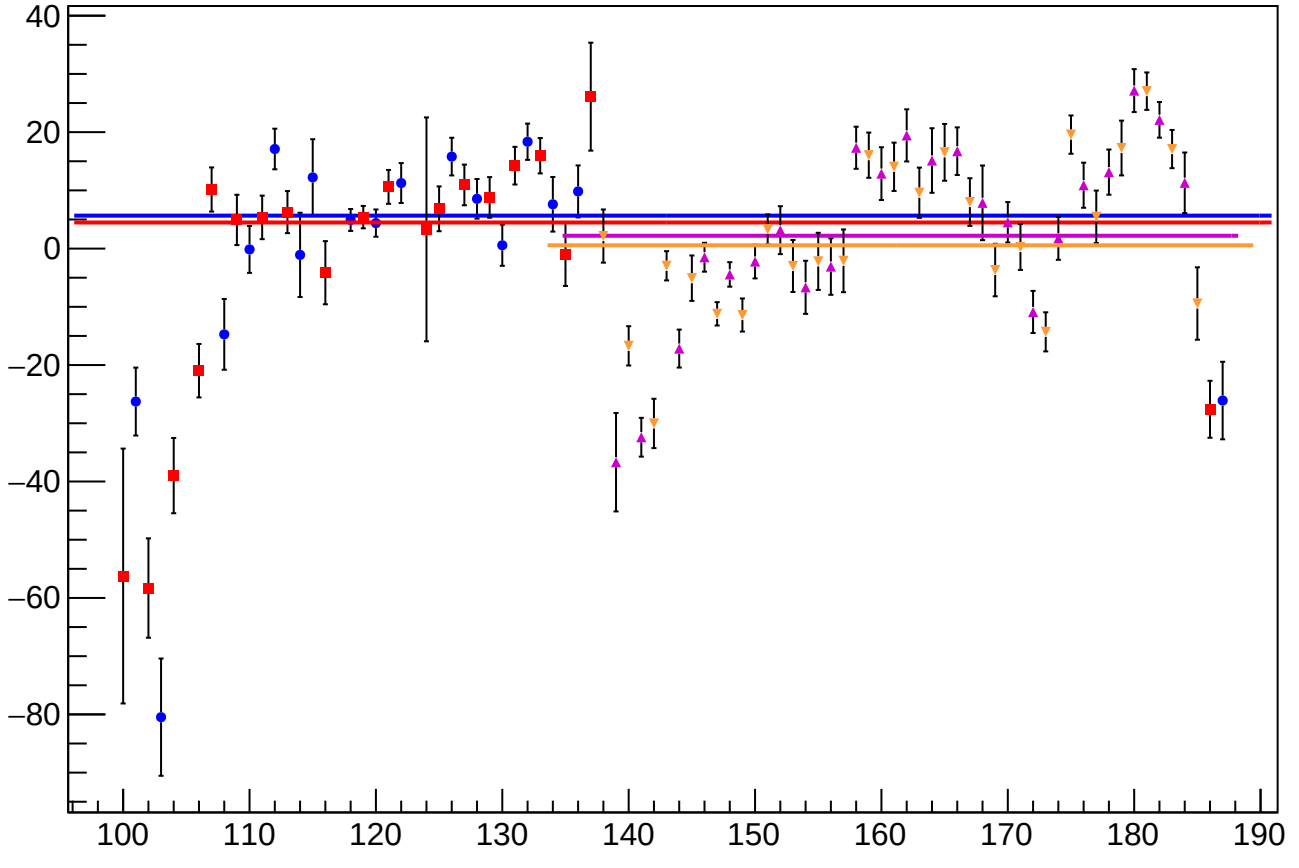
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 155.268+/-0.586 χ^2/NDF: 7563.7/36

In: 185.767+/-0.648 χ^2/NDF:7490.9/39

Out: 173.048+/-0.616 χ^2/NDF:11480.5/44

All: 179.086+/-0.447 χ^2/NDF: 19173.5/84



Right In: 5.662+/-0.882 χ^2/NDF: 185.2/16

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 4.487+/-0.875 χ^2/NDF: 225.6/19

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

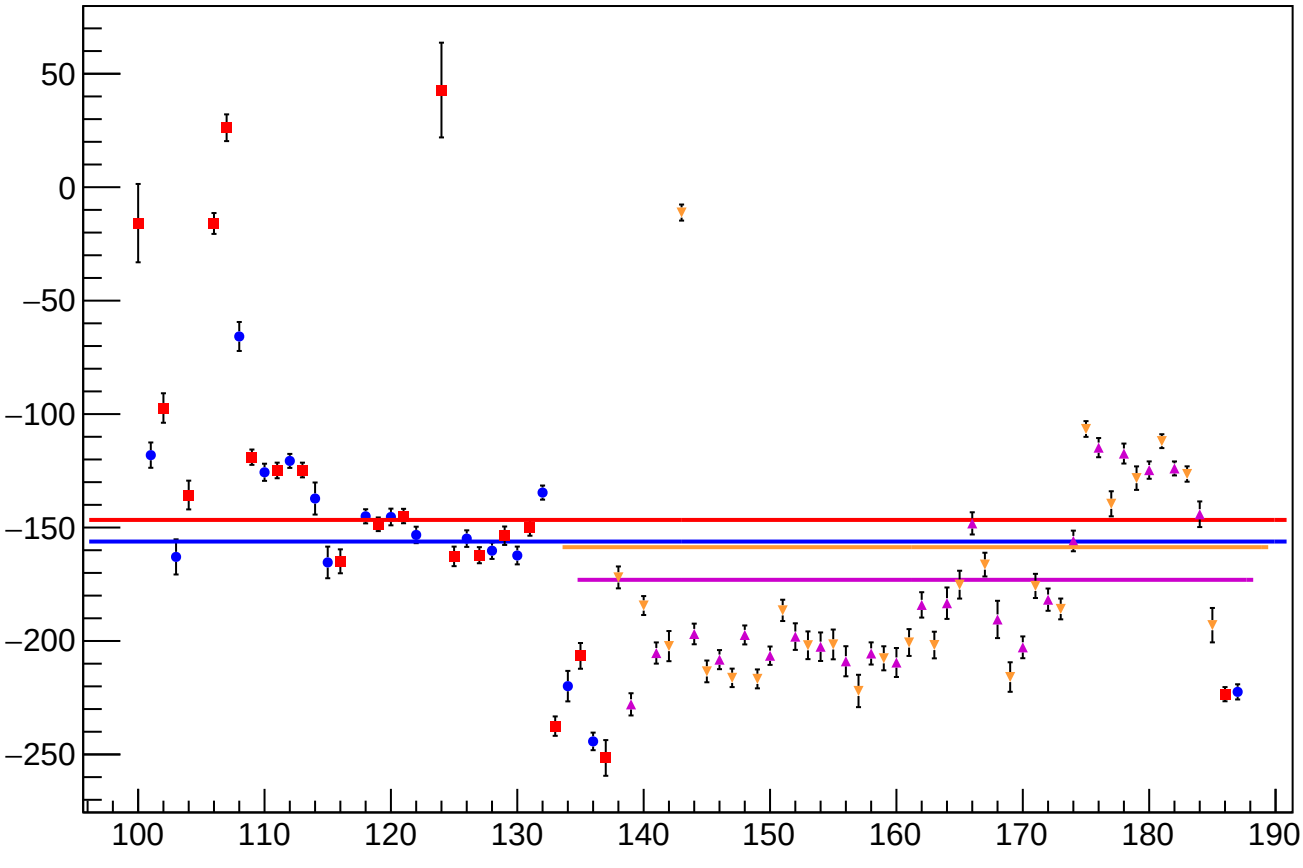
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 5.070+/-0.621 χ^2/NDF: 411.7/36

In: 3.680+/-0.576 χ^2/NDF:552.2/39

Out: 2.139+/-0.554 χ^2/NDF:583.0/44

All: 2.880+/-0.399 χ^2/NDF: 1138.9/84



Right In: -156.174+/-0.981 χ^2/NDF: 1526.8/16

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -146.645+/-0.947 χ^2/NDF: 3413.2/19

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

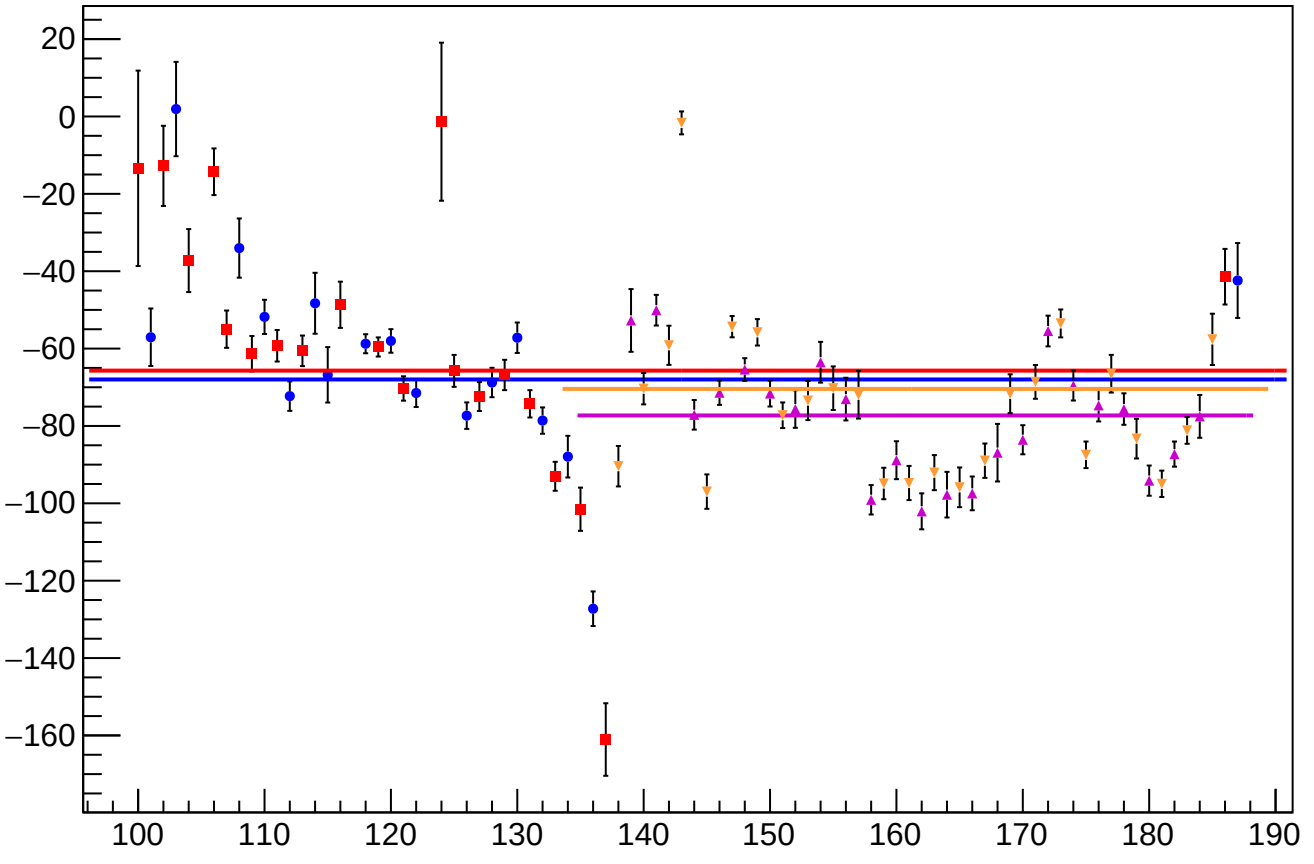
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -151.242+/-0.681 χ^2/NDF: 4988.8/36

In: -164.482+/-0.699 χ^2/NDF:3072.4/39

Out: -152.629+/-0.671 χ^2/NDF:6985.1/44

All: -158.315+/-0.484 χ^2/NDF: 10207.3/84



Right In: -67.980+/-1.027 χ^2/NDF: 322.5/16

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -65.693+/-1.014 χ^2/NDF: 370.0/19

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

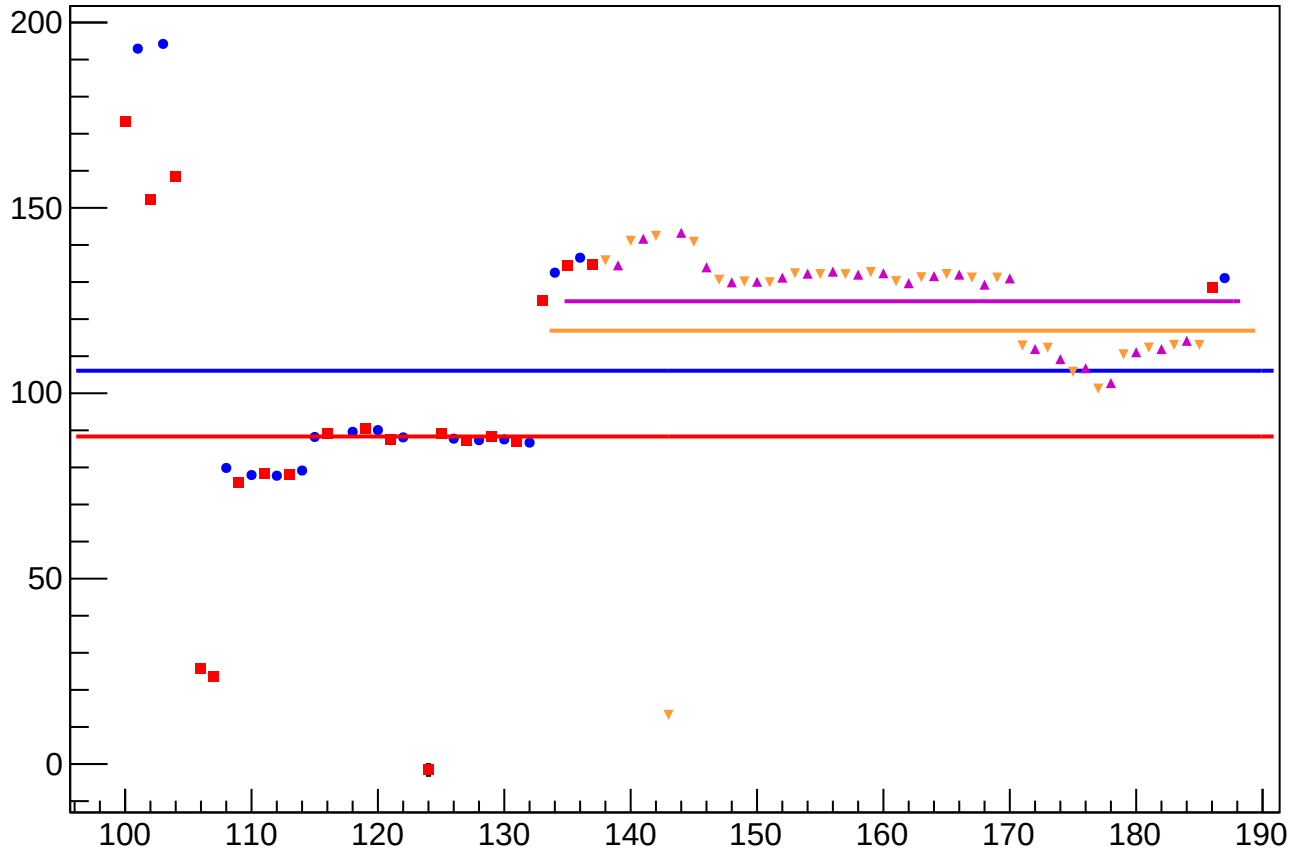
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -66.822+/-0.722 χ^2/NDF: 694.9/36

In: -73.423+/-0.662 χ^2/NDF:624.7/39

Out: -68.551+/-0.638 χ^2/NDF:1284.8/44

All: -70.898+/-0.459 χ^2/NDF: 1937.6/84



Right In: 106.079+/-0.070 χ^2/NDF: 241841.1/16

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 88.343+/-0.065 χ^2/NDF: 380799.6/19

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

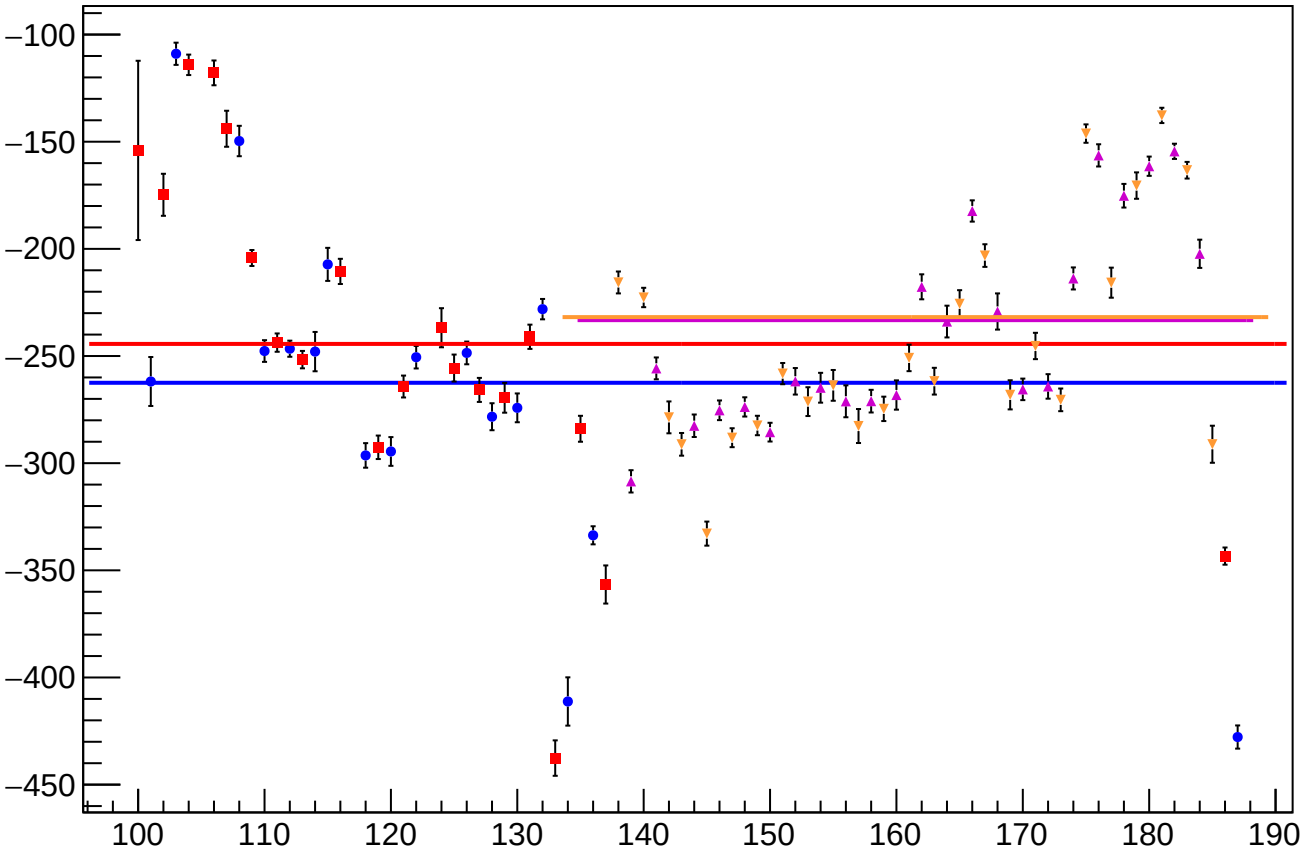
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 96.539+/-0.048 χ^2/NDF: 656956.7/36

In: 120.344+/-0.034 χ^2/NDF:384174.7/39

Out: 109.598+/-0.033 χ^2/NDF:1147097.6/44

All: 114.742+/-0.024 χ^2/NDF: 1582402.7/84



Right In: -262.488+/-1.390 χ^2/NDF: 2734.7/16

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -244.353+/-1.265 χ^2/NDF: 3056.3/19

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

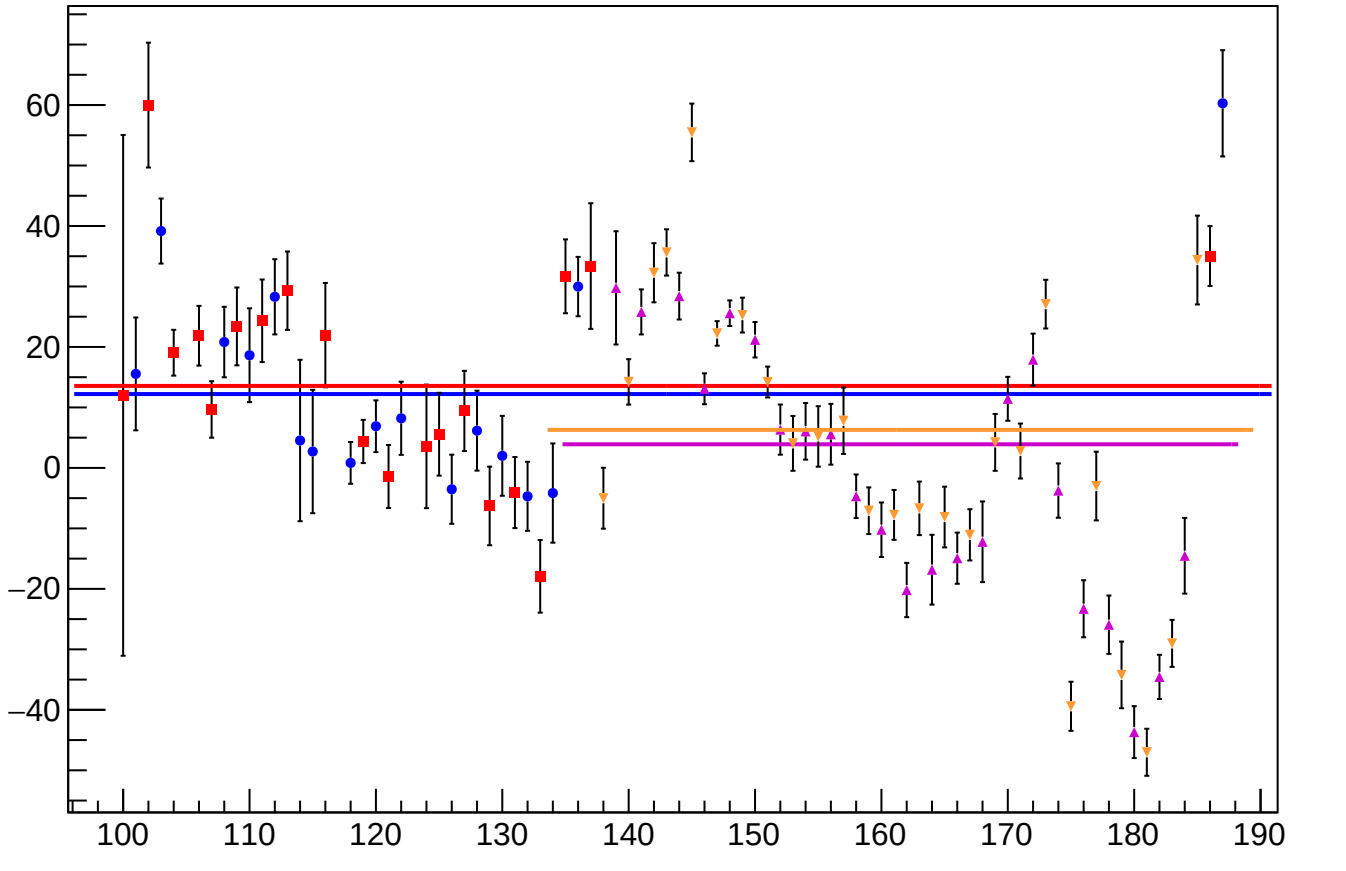
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

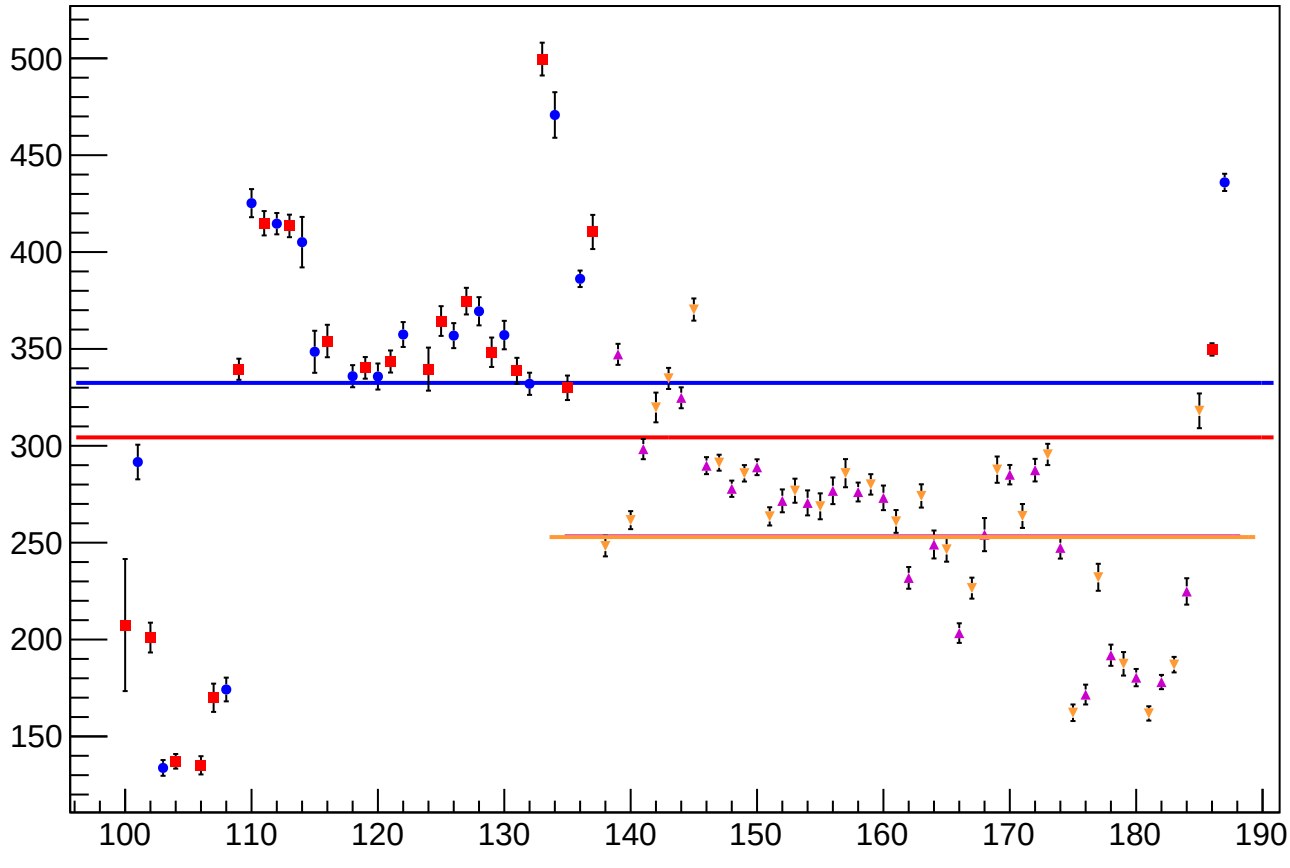
Right: -252.570+/-0.936 χ^2/NDF: 5884.1/36

In: -244.610+/-0.866 χ^2/NDF:5072.2/39

Out: -237.120+/-0.821 χ^2/NDF:5789.5/44

All: -240.667+/-0.596 χ^2/NDF: 10901.0/84


reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
190
Right In: 12.211+/-1.450 χ²/NDF: 115.4/16
Left Out: 6.288+/-0.789 χ²/NDF:871.5/24
Right Out: 13.556+/-1.318 χ²/NDF: 132.3/19
Left In: 3.906+/-0.818 χ²/NDF:650.3/22
Left: 5.140+/-0.568 χ²/NDF: 1526.1/47
Right: 12.948+/-0.975 χ²/NDF: 248.2/36
In: 5.911+/-0.713 χ²/NDF:790.6/39
Out: 8.206+/-0.677 χ²/NDF:1026.1/44
All: 7.117+/-0.491 χ²/NDF: 1822.1/84



Right In: 332.471+/-1.494 χ^2/NDF: 4404.1/16

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 304.337+/-1.344 χ^2/NDF: 5748.8/19

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

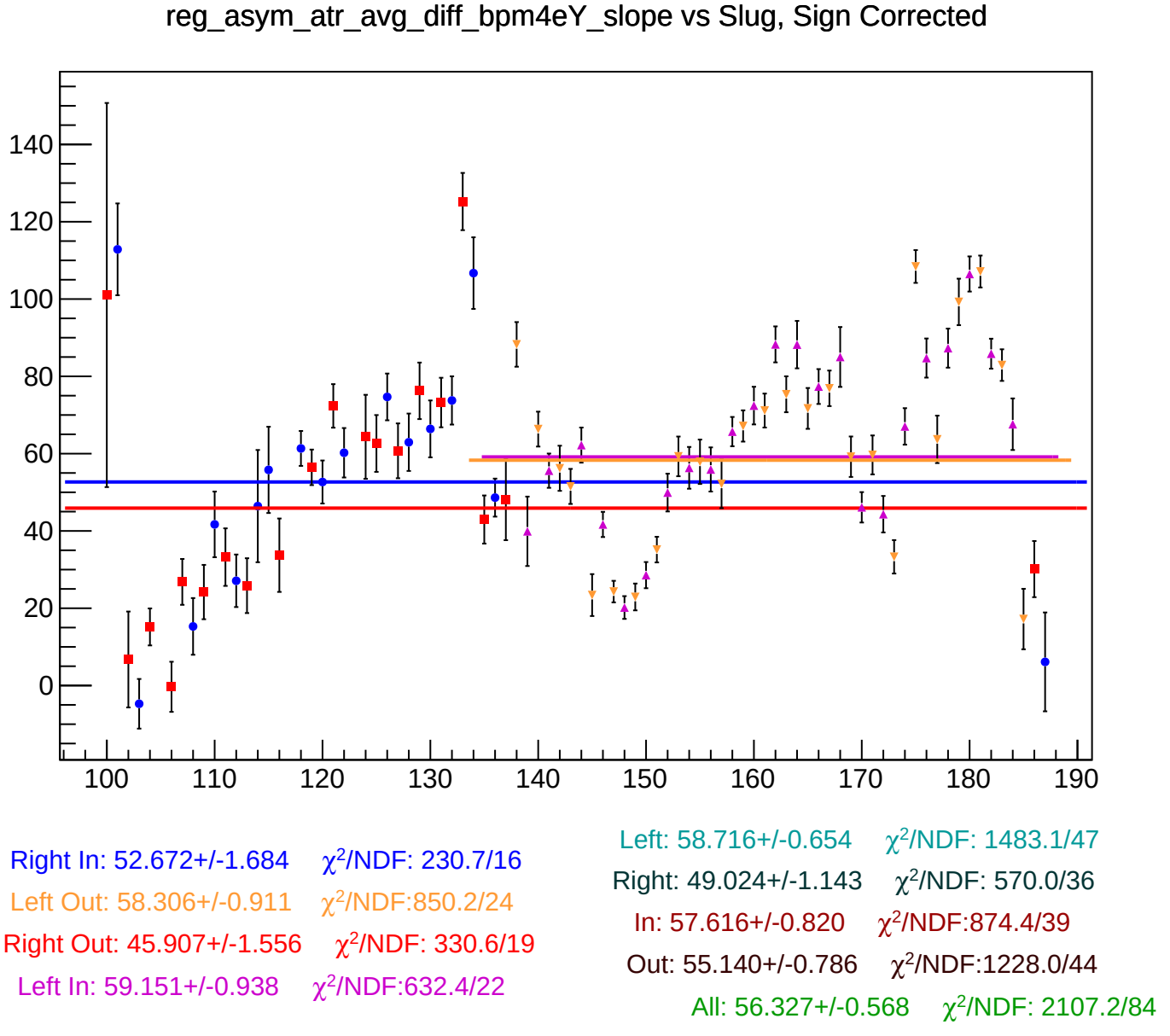
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

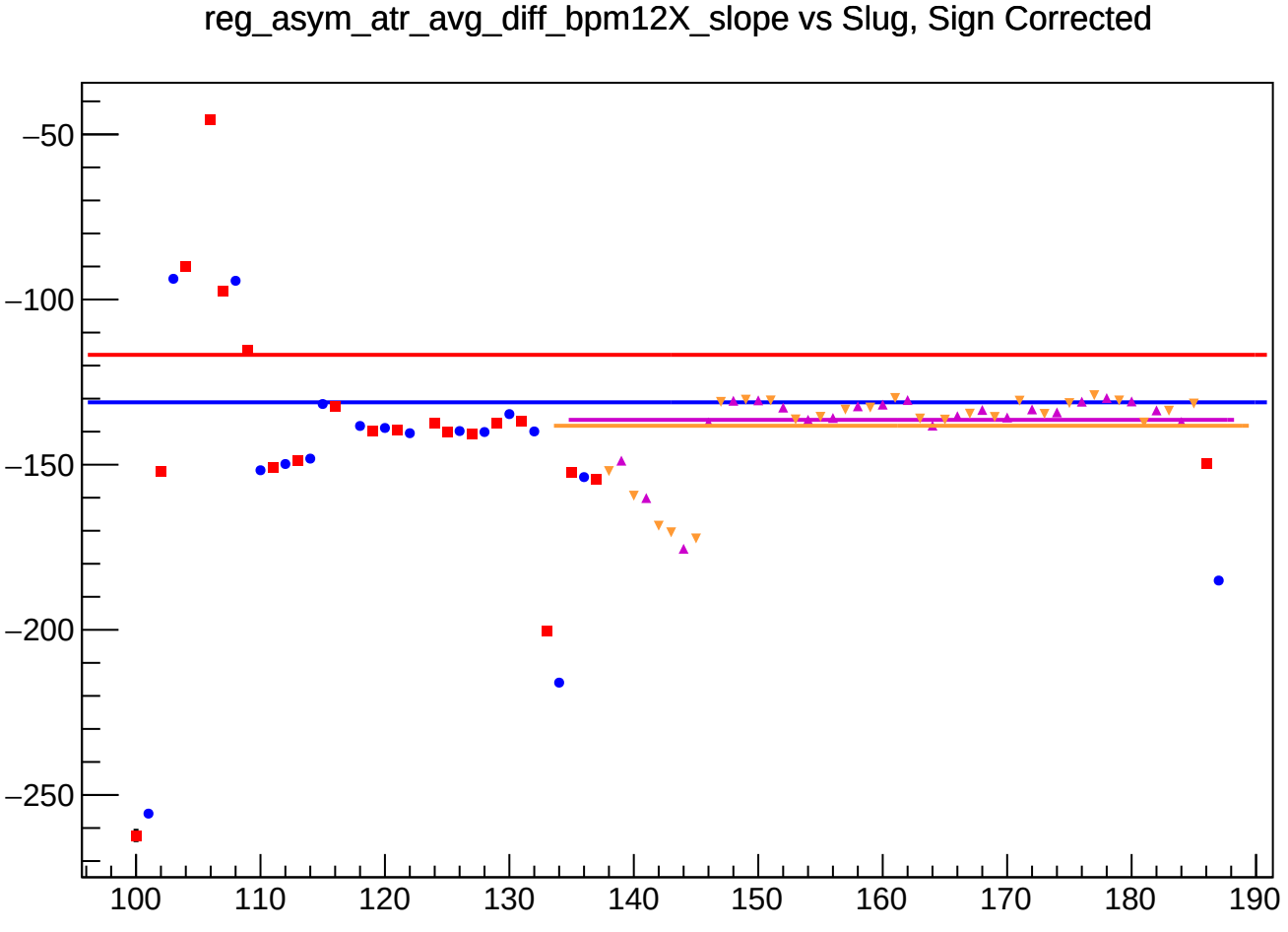
Right: 316.922+/-0.999 χ^2/NDF: 10349.0/36

In: 280.885+/-0.882 χ^2/NDF:8295.2/39

Out: 272.857+/-0.837 χ^2/NDF:9224.5/44

All: 276.661+/-0.607 χ^2/NDF: 17563.3/84


reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
140
120
100
80
60
40
20
0
100
110
120
130
140
150
160
170
180
190
Right In: 52.672+/-1.684 χ²/NDF: 230.7/16
Left Out: 58.306+/-0.911 χ²/NDF:850.2/24
Right Out: 45.907+/-1.556 χ²/NDF: 330.6/19
Left In: 59.151+/-0.938 χ²/NDF:632.4/22
Left: 58.716+/-0.654 χ²/NDF: 1483.1/47
Right: 49.024+/-1.143 χ²/NDF: 570.0/36
In: 57.616+/-0.820 χ²/NDF:874.4/39
Out: 55.140+/-0.786 χ²/NDF:1228.0/44
All: 56.327+/-0.568 χ²/NDF: 2107.2/84



Right In: -131.115+/-0.090 χ^2/NDF: 180015.5/16

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -116.749+/-0.085 χ^2/NDF: 209953.1/19

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

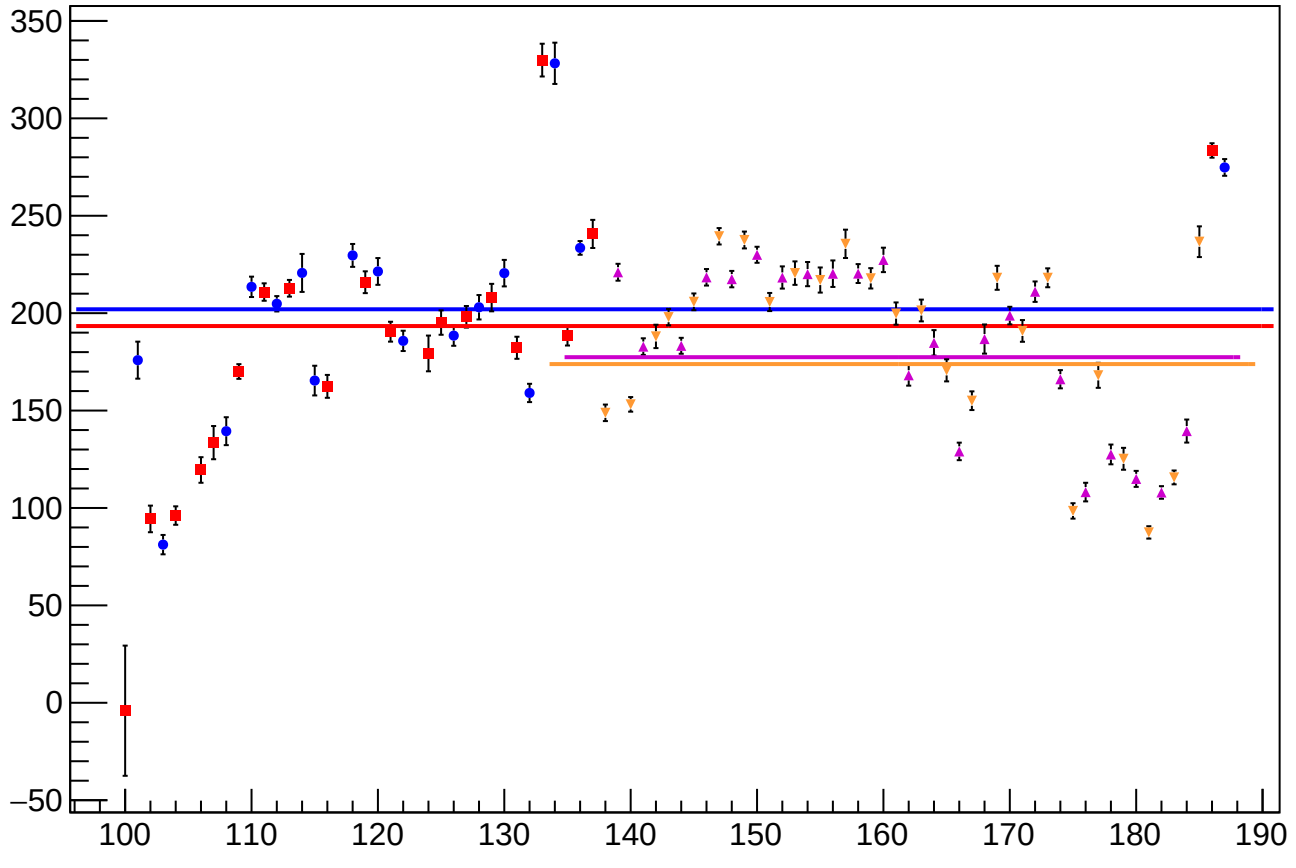
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -123.459+/-0.062 χ^2/NDF: 403442.5/36

In: -135.453+/-0.039 χ^2/NDF:232632.8/39

Out: -133.891+/-0.038 χ^2/NDF:343215.4/44

All: -134.657+/-0.027 χ^2/NDF: 576678.2/84



Right In: 201.990+/-1.337 χ^2/NDF: 1354.1/16

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 193.384+/-1.245 χ^2/NDF: 1870.9/19

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

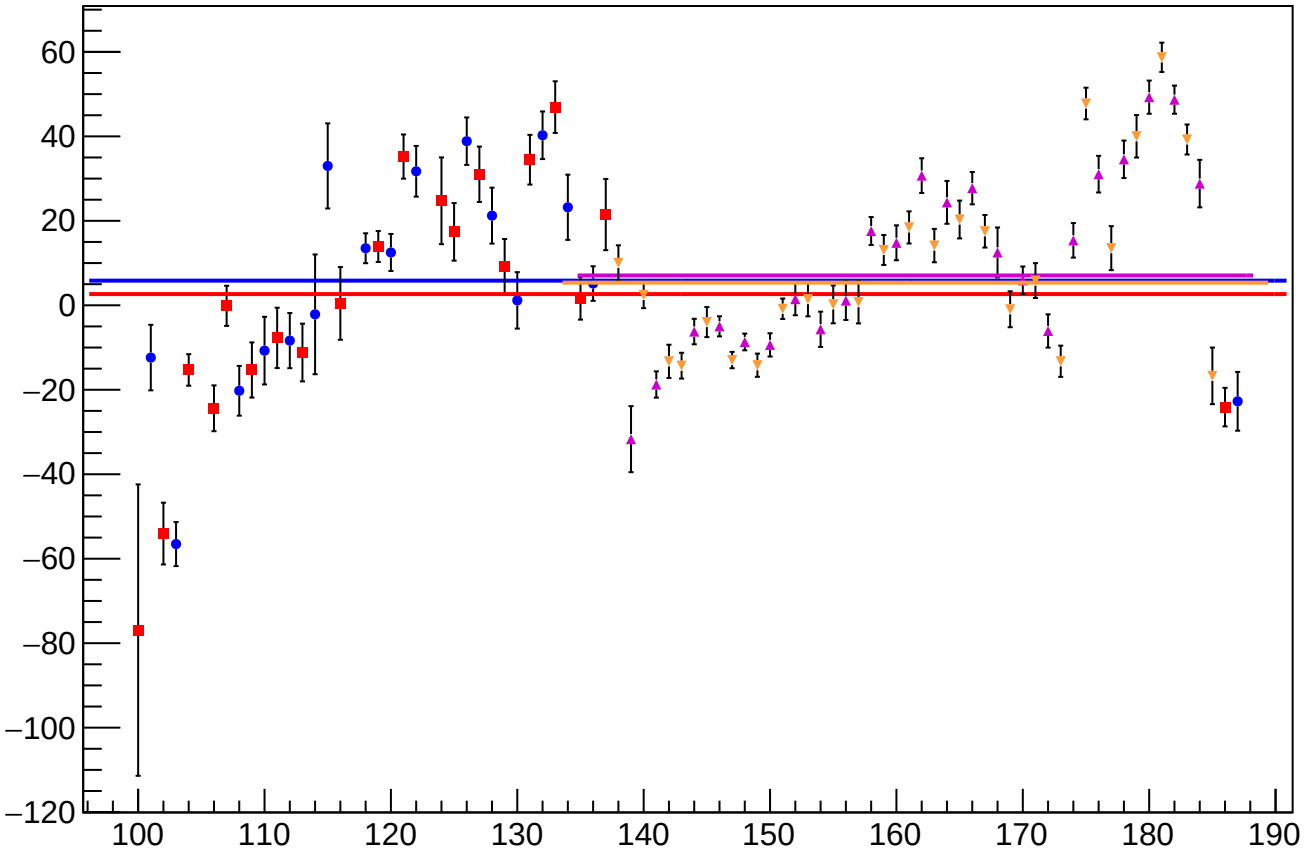
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 197.382+/-0.911 χ^2/NDF: 3247.2/36

In: 186.176+/-0.798 χ^2/NDF:3534.8/39

Out: 181.160+/-0.761 χ^2/NDF:4652.4/44

All: 183.549+/-0.551 χ^2/NDF: 8207.8/84



Right In: 5.838+/-1.413 χ^2/NDF: 310.1/16

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: 2.656+/-1.299 χ^2/NDF: 326.0/19

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

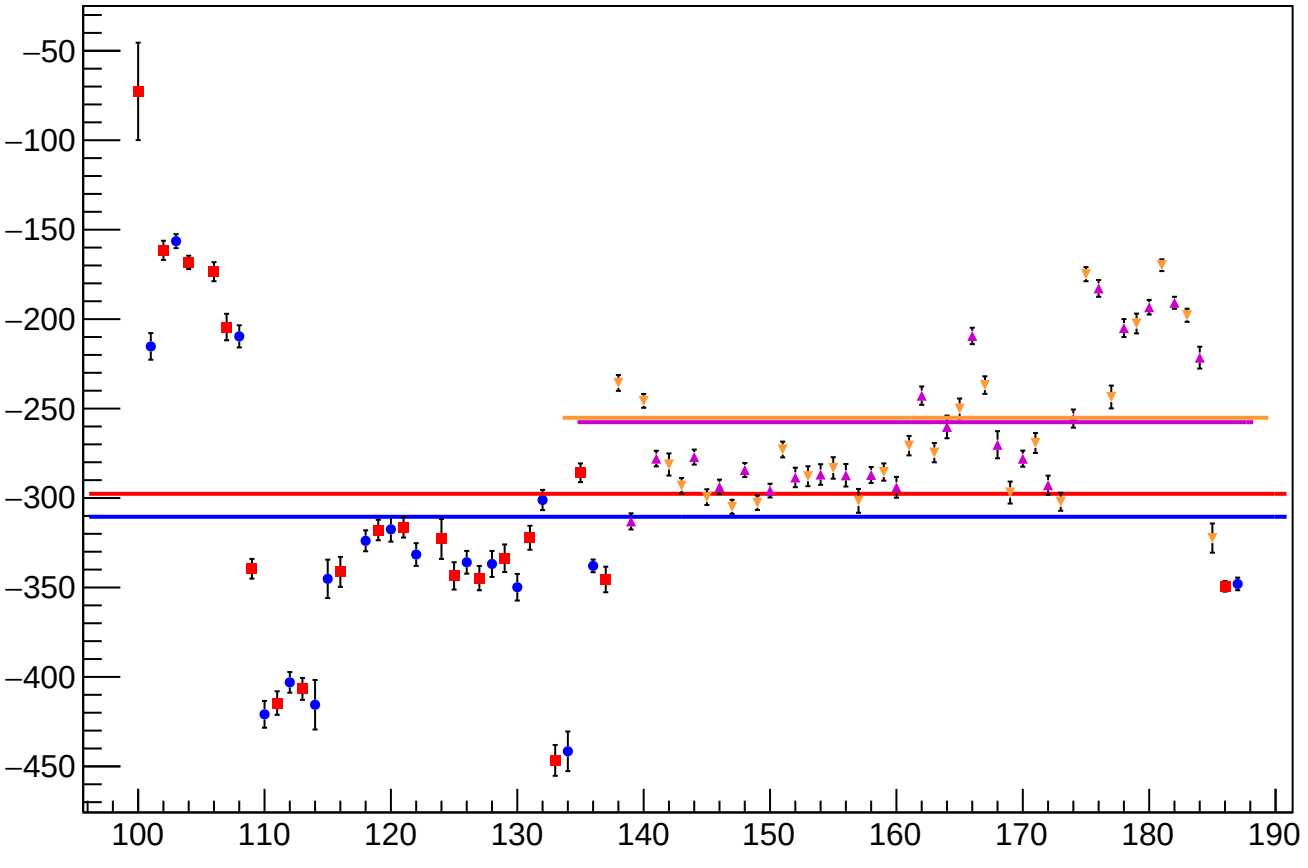
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: 4.113+/-0.956 χ^2/NDF: 638.9/36

In: 6.797+/-0.656 χ^2/NDF:1020.4/39

Out: 4.740+/-0.623 χ^2/NDF:1139.3/44

All: 5.715+/-0.452 χ^2/NDF: 2164.8/84



Right In: -310.483+/-1.403 χ^2/NDF: 2920.3/16

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -297.633+/-1.302 χ^2/NDF: 4135.7/19

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

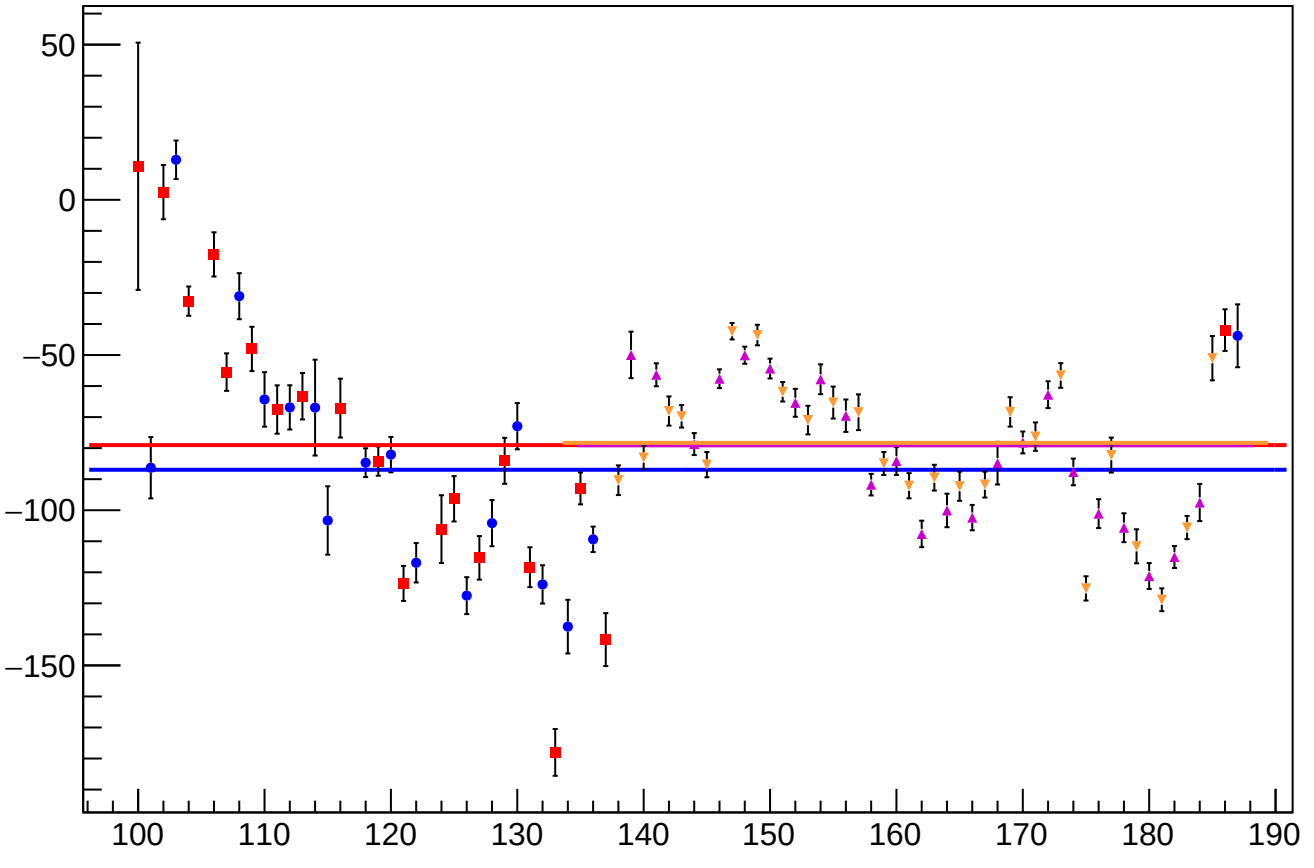
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -303.578+/-0.955 χ^2/NDF: 7101.1/36

In: -275.049+/-0.806 χ^2/NDF:5679.8/39

Out: -270.014+/-0.771 χ^2/NDF:7172.8/44

All: -272.419+/-0.557 χ^2/NDF: 12873.0/84



Right In: -86.968+/-1.633 χ^2/NDF: 530.6/16

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -79.020+/-1.528 χ^2/NDF: 709.7/19

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

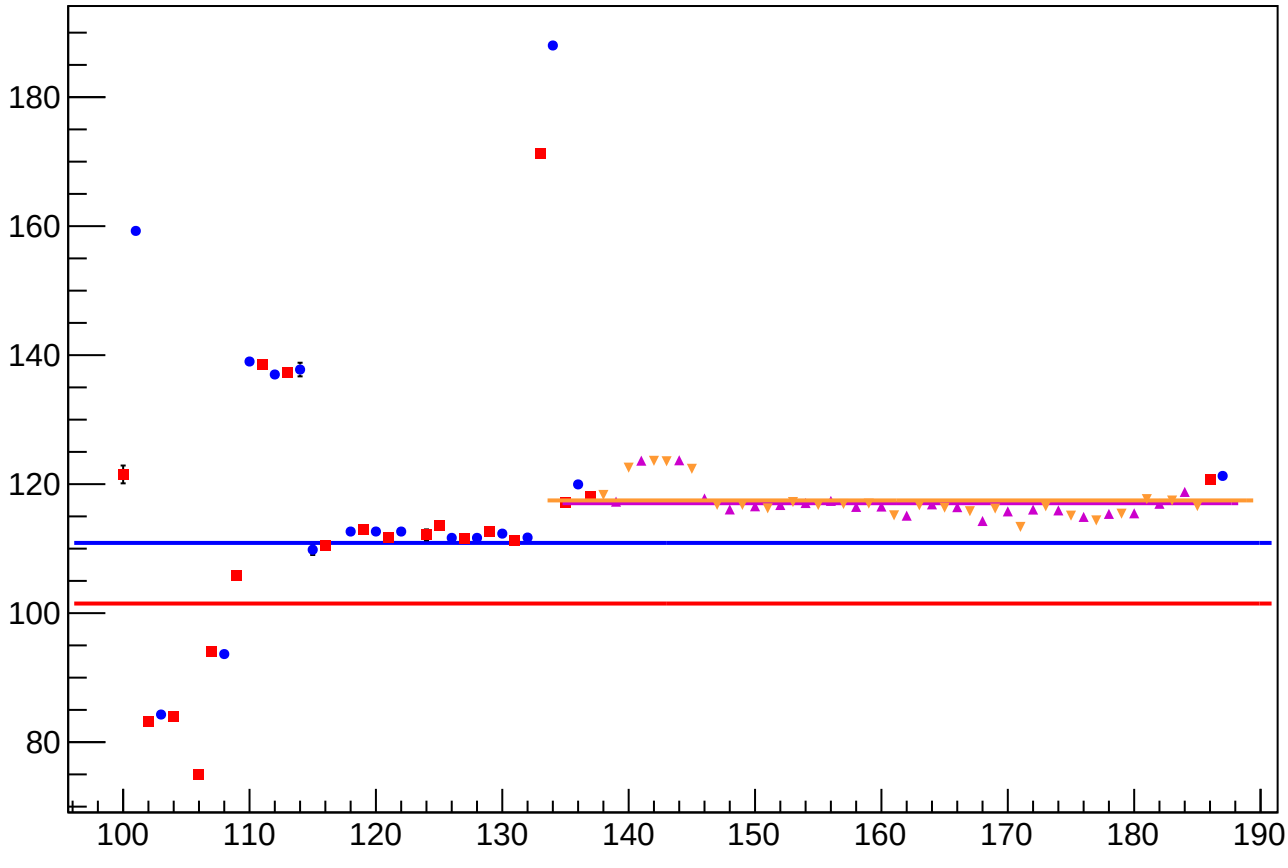
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -82.729+/-1.116 χ^2/NDF: 1252.9/36

In: -80.746+/-0.753 χ^2/NDF:1251.6/39

Out: -78.455+/-0.722 χ^2/NDF:1578.0/44

All: -79.552+/-0.521 χ^2/NDF: 2834.5/84



Right In: 110.889+/-0.085 χ^2/NDF: 83865.3/16

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 101.489+/-0.080 χ^2/NDF: 63636.1/19

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

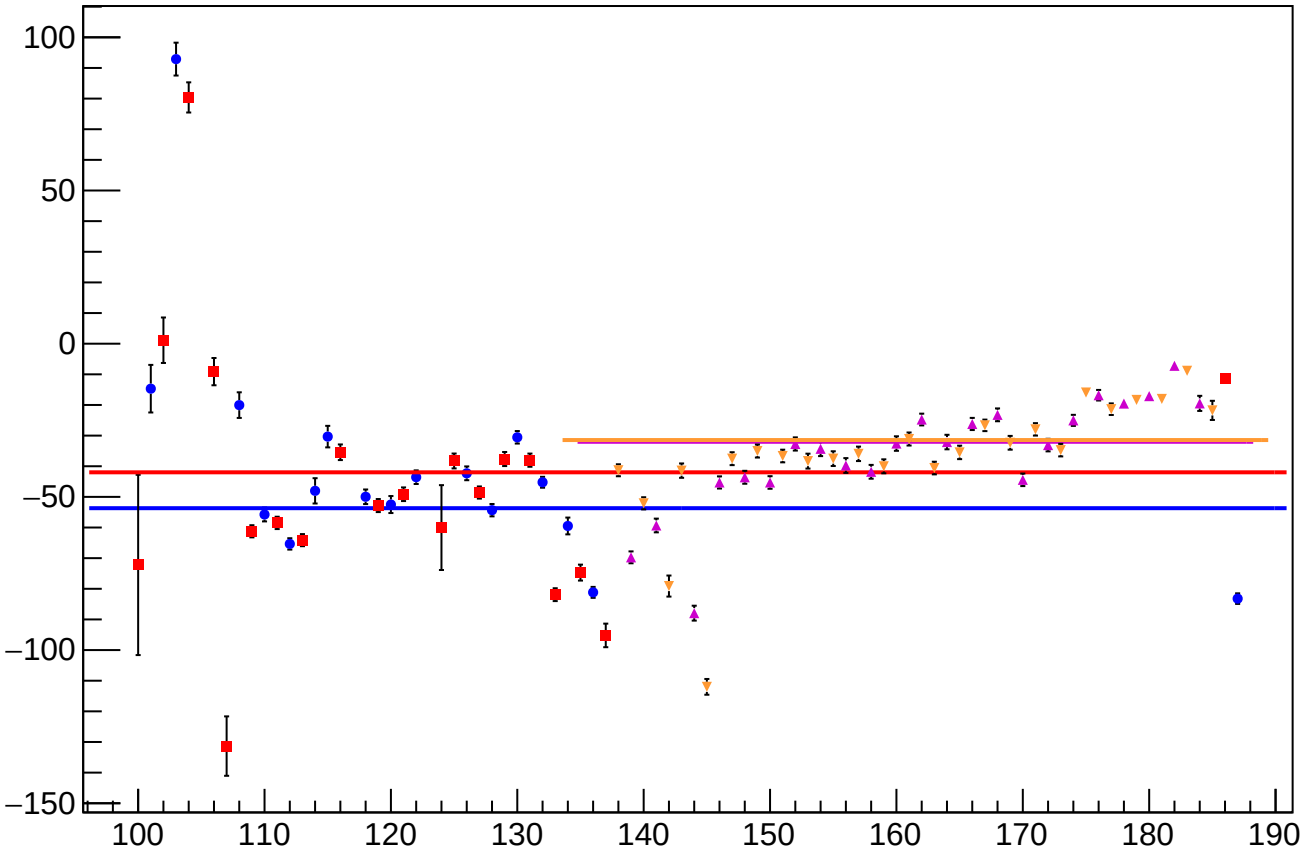
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 105.905+/-0.058 χ^2/NDF: 154009.0/36

In: 115.990+/-0.035 χ^2/NDF:91570.4/39

Out: 114.524+/-0.034 χ^2/NDF:101051.5/44

All: 115.240+/-0.025 χ^2/NDF: 193512.4/84



Right In: -53.689+/-0.575 χ^2/NDF: 1655.9/16

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -41.982+/-0.524 χ^2/NDF: 2712.8/19

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

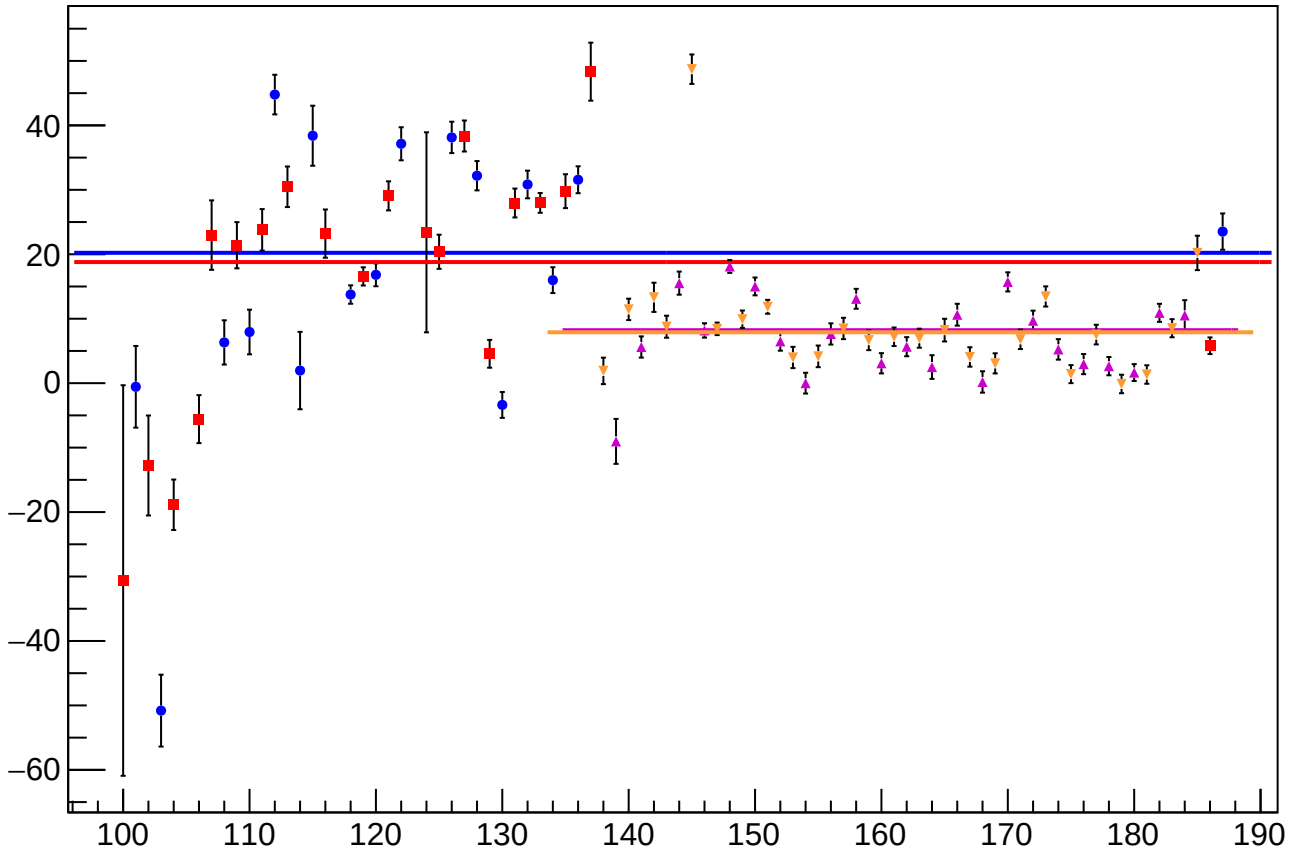
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -47.292+/-0.387 χ^2/NDF: 4595.2/36

In: -39.297+/-0.333 χ^2/NDF:4512.3/39

Out: -35.316+/-0.317 χ^2/NDF:4960.8/44

All: -37.209+/-0.230 χ^2/NDF: 9547.9/84



Right In: 20.227+/-0.598 χ^2/NDF: 637.7/16

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 18.793+/-0.560 χ^2/NDF: 520.6/19

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

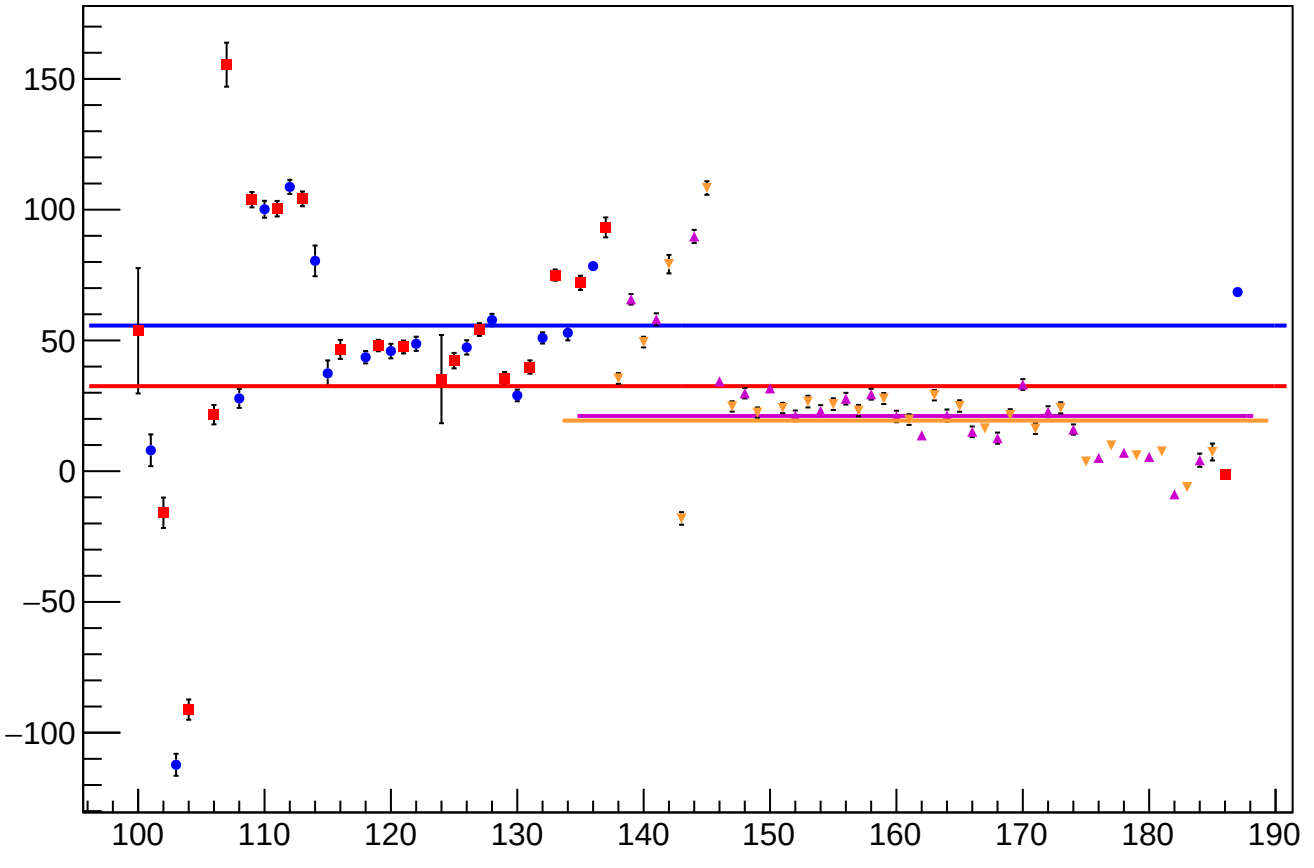
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 19.463+/-0.409 χ^2/NDF: 1161.4/36

In: 10.837+/-0.279 χ^2/NDF:1291.6/39

Out: 10.372+/-0.267 χ^2/NDF:1303.2/44

All: 10.594+/-0.193 χ^2/NDF: 2596.3/84



Right In: 55.687+/-0.625 χ^2/NDF: 2760.4/16

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 32.512+/-0.539 χ^2/NDF: 5750.4/19

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

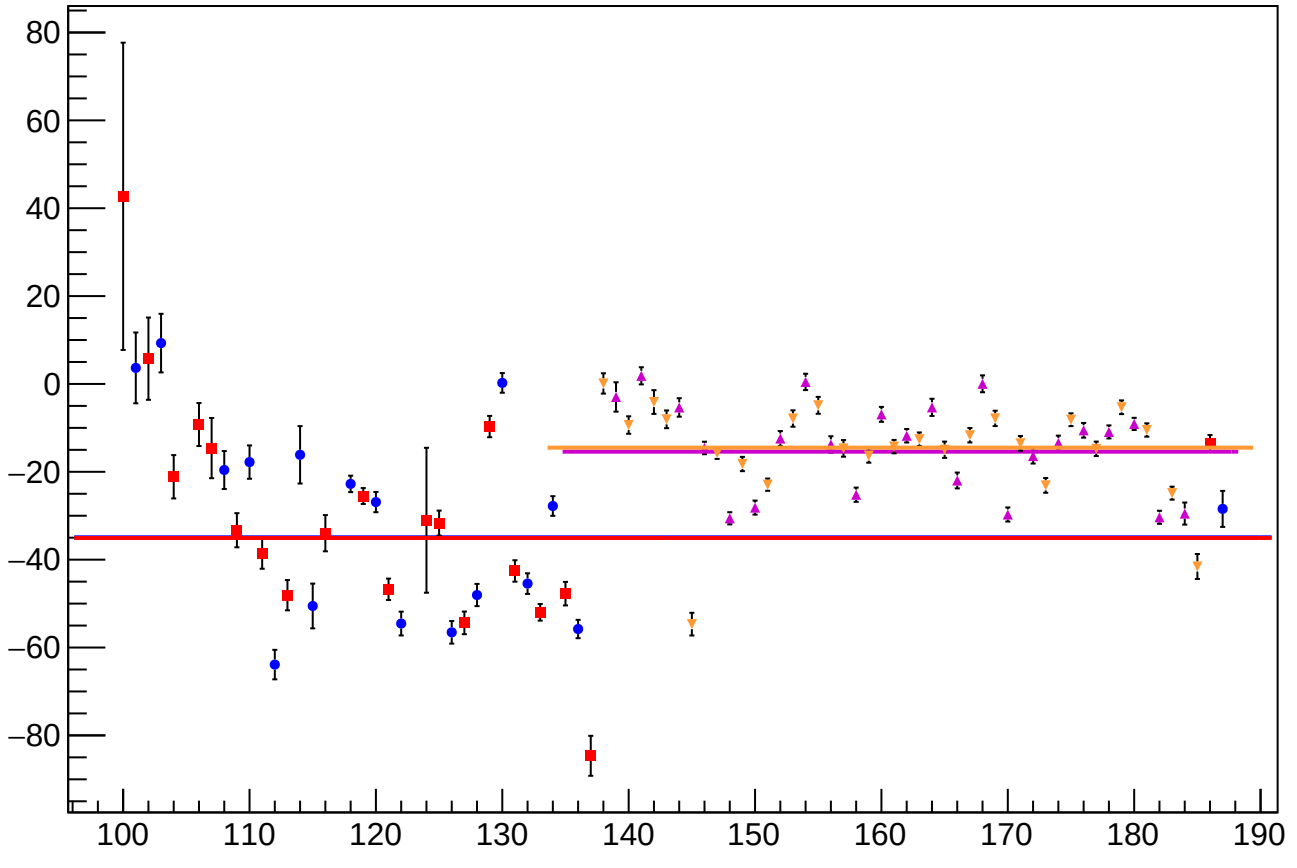
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 42.404+/-0.408 χ^2/NDF: 9298.5/36

In: 31.334+/-0.340 χ^2/NDF:7419.1/39

Out: 23.945+/-0.319 χ^2/NDF:8820.5/44

All: 27.407+/-0.233 χ^2/NDF: 16491.0/84



Right In: -34.915+/-0.690 χ^2/NDF: 775.7/16

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -35.061+/-0.668 χ^2/NDF: 661.6/19

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

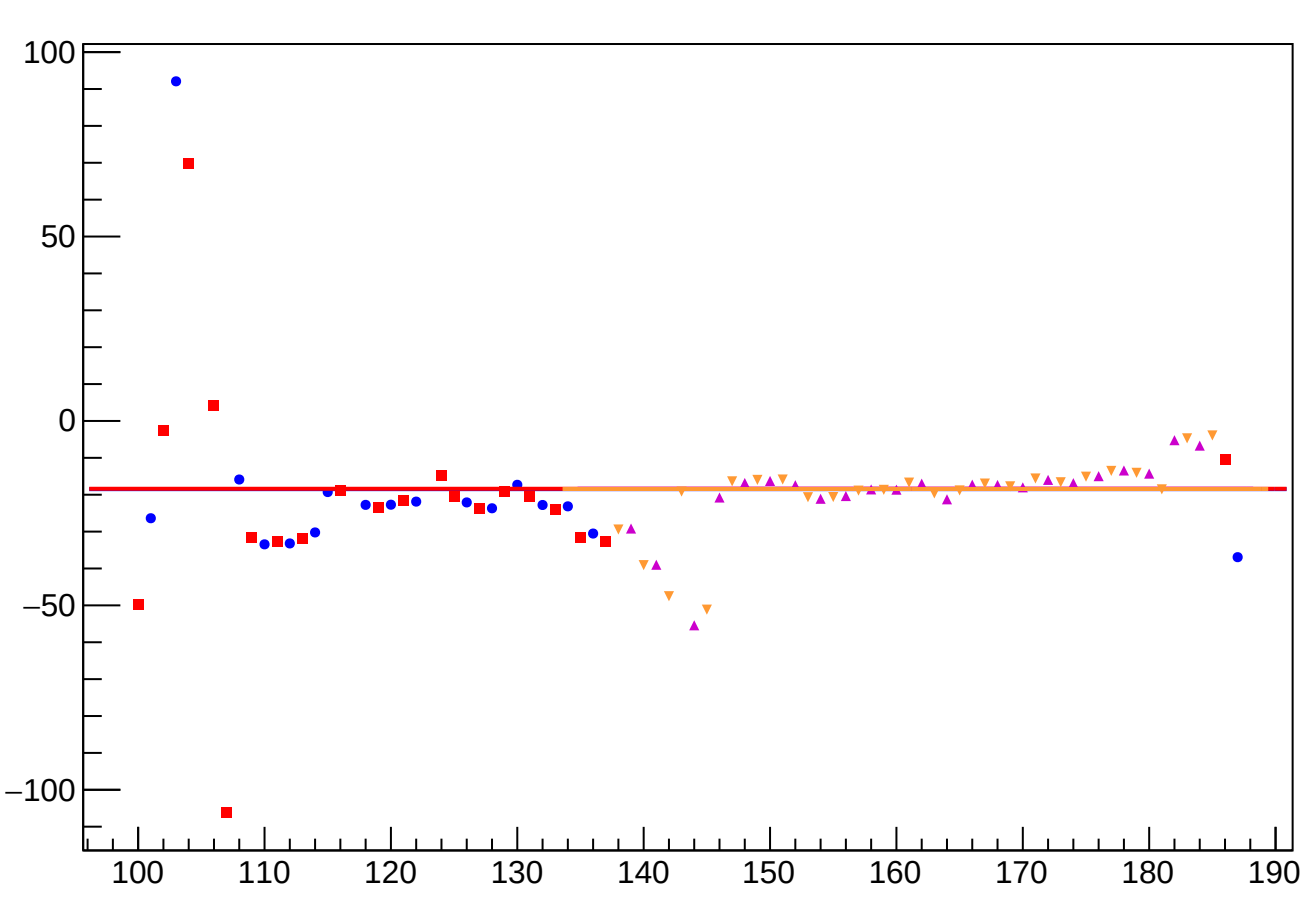
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -34.990+/-0.480 χ^2/NDF: 1437.4/36

In: -19.503+/-0.316 χ^2/NDF:2205.5/39

Out: -18.809+/-0.306 χ^2/NDF:2051.1/44

All: -19.145+/-0.220 χ^2/NDF: 4259.1/84



Right In: -18.490+/-0.042 χ^2/NDF: 432986.6/16

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -18.385+/-0.044 χ^2/NDF: 348535.3/19

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

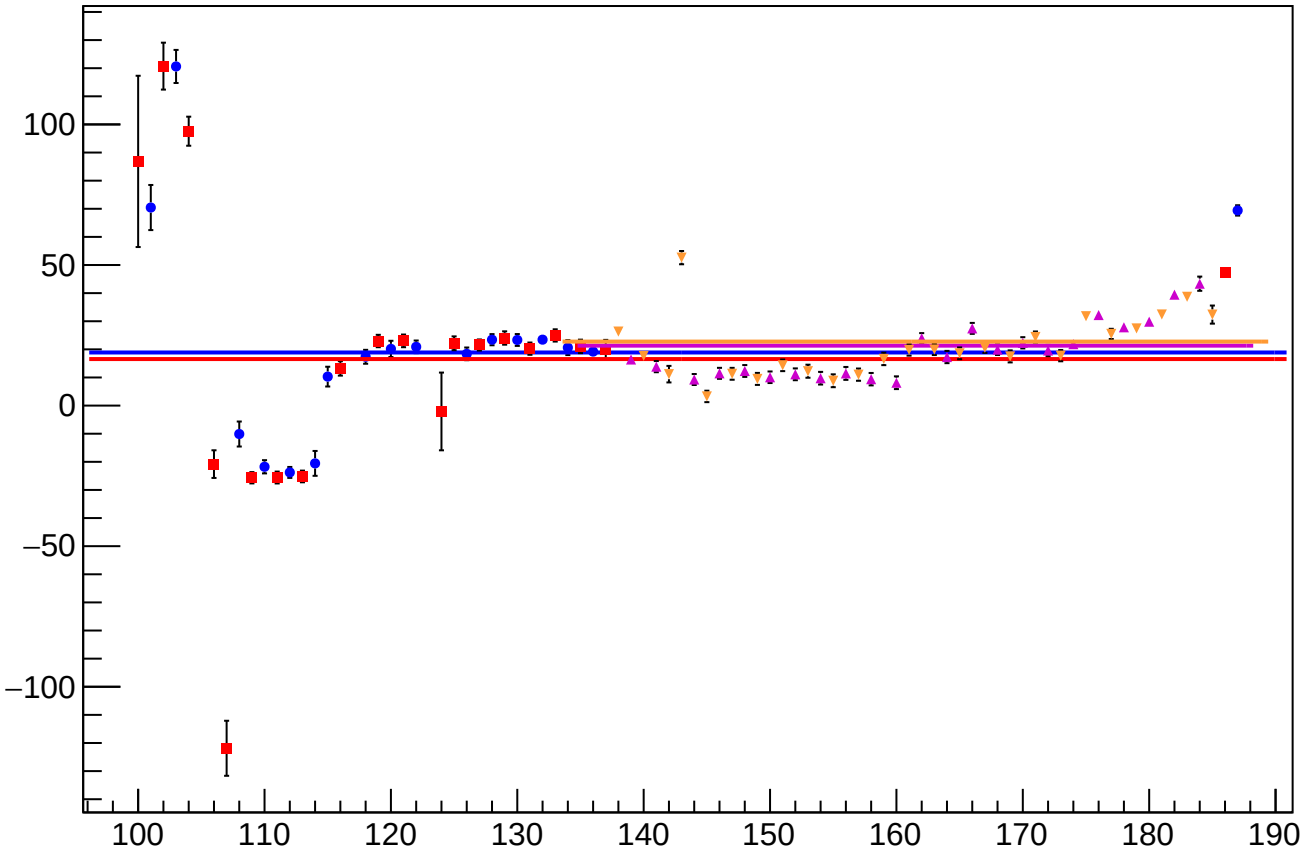
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -18.439+/-0.030 χ^2/NDF: 781524.9/36

In: -18.391+/-0.015 χ^2/NDF:683033.7/39

Out: -18.442+/-0.015 χ^2/NDF:643896.4/44

All: -18.417+/-0.010 χ^2/NDF: 1326936.1/84



Right In: 18.890+/-0.583 χ^2/NDF: 2021.0/16

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 16.552+/-0.555 χ^2/NDF: 2549.8/19

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

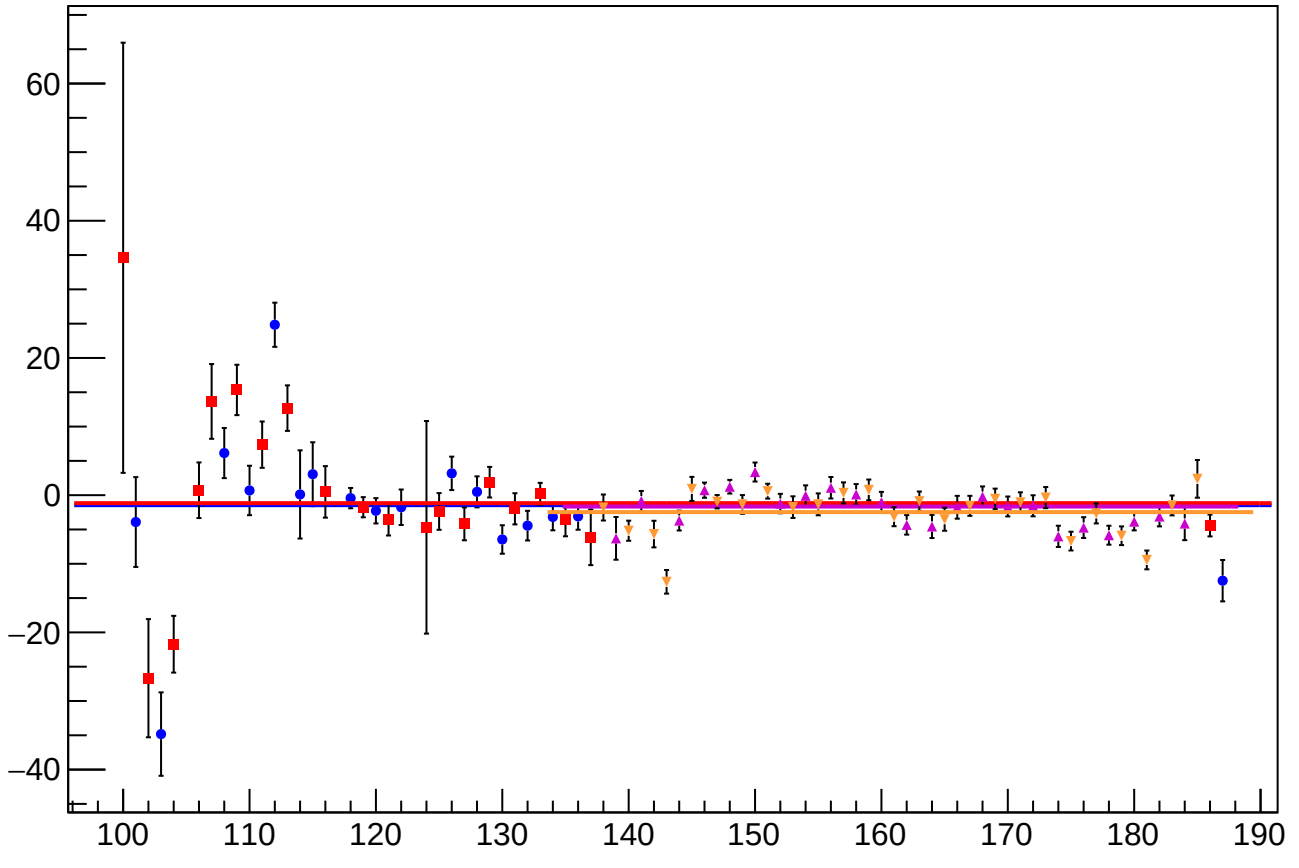
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 17.663+/-0.402 χ^2/NDF: 4579.2/36

In: 20.565+/-0.326 χ^2/NDF:2662.8/39

Out: 20.762+/-0.315 χ^2/NDF:3357.7/44

All: 20.667+/-0.226 χ^2/NDF: 6020.7/84



Right In: -1.458+/-0.607 χ^2/NDF: 130.2/16

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.163+/-0.590 χ^2/NDF: 99.1/19

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

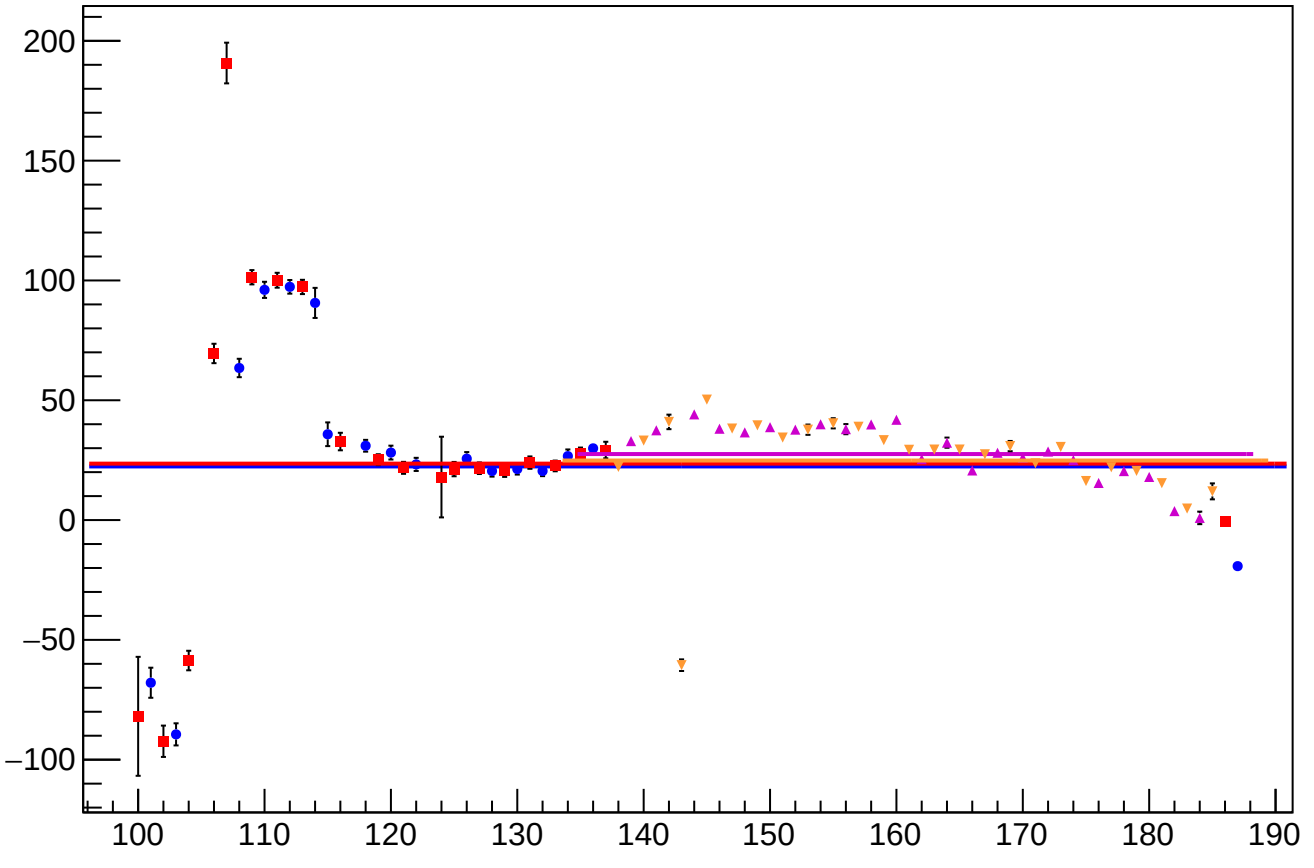
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.307+/-0.423 χ^2/NDF: 229.4/36

In: -1.619+/-0.272 χ^2/NDF:200.5/39

Out: -2.210+/-0.262 χ^2/NDF:219.7/44

All: -1.925+/-0.189 χ^2/NDF: 422.7/84



Right In: 22.384+/-0.635 χ^2/NDF: 3005.9/16

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 23.549+/-0.588 χ^2/NDF: 3725.0/19

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

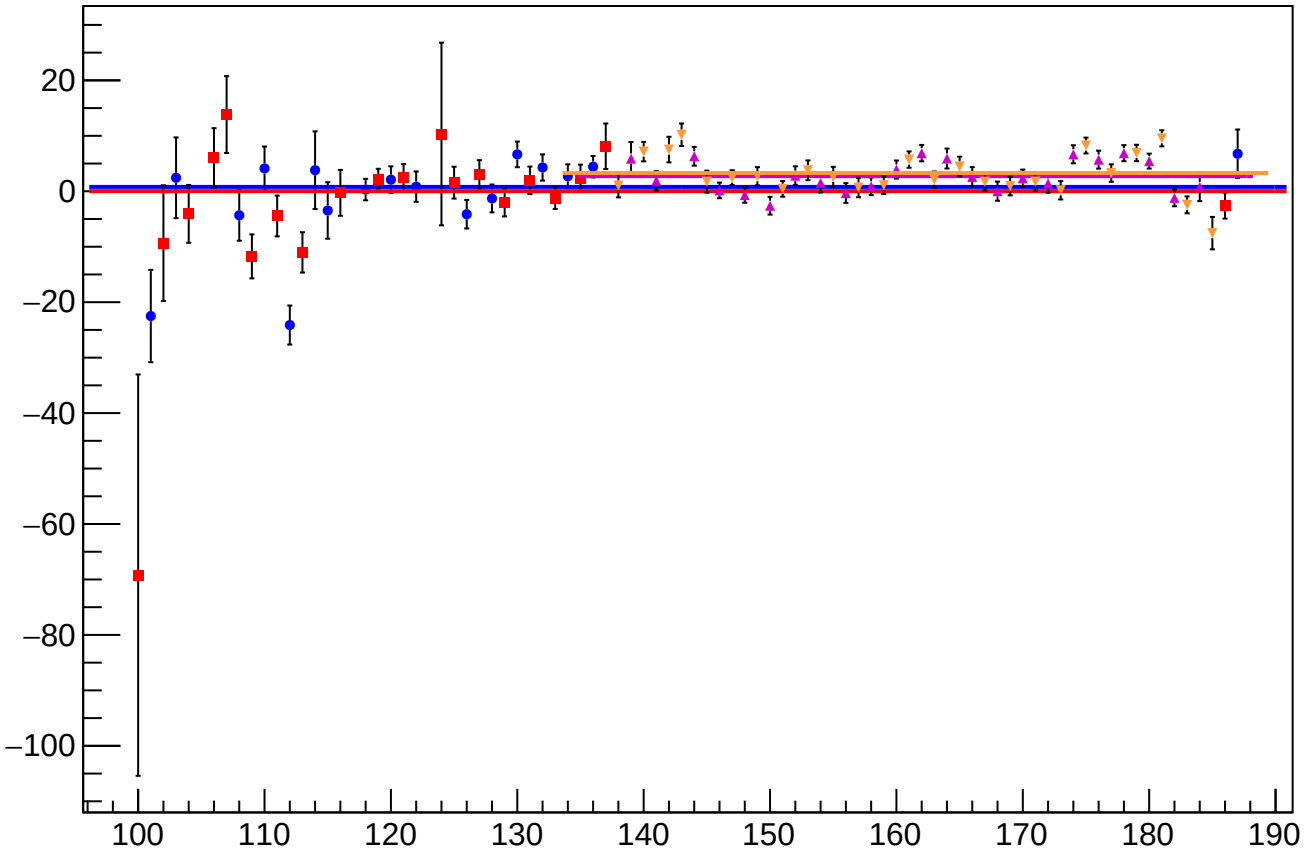
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 23.012+/-0.431 χ^2/NDF: 6732.7/36

In: 26.143+/-0.332 χ^2/NDF:3935.8/39

Out: 24.467+/-0.319 χ^2/NDF:5777.2/44

All: 25.272+/-0.230 χ^2/NDF: 9726.3/84



Right In: 0.787+/-0.696 χ^2/NDF: 80.3/16

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: 0.021+/-0.693 χ^2/NDF: 41.8/19

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

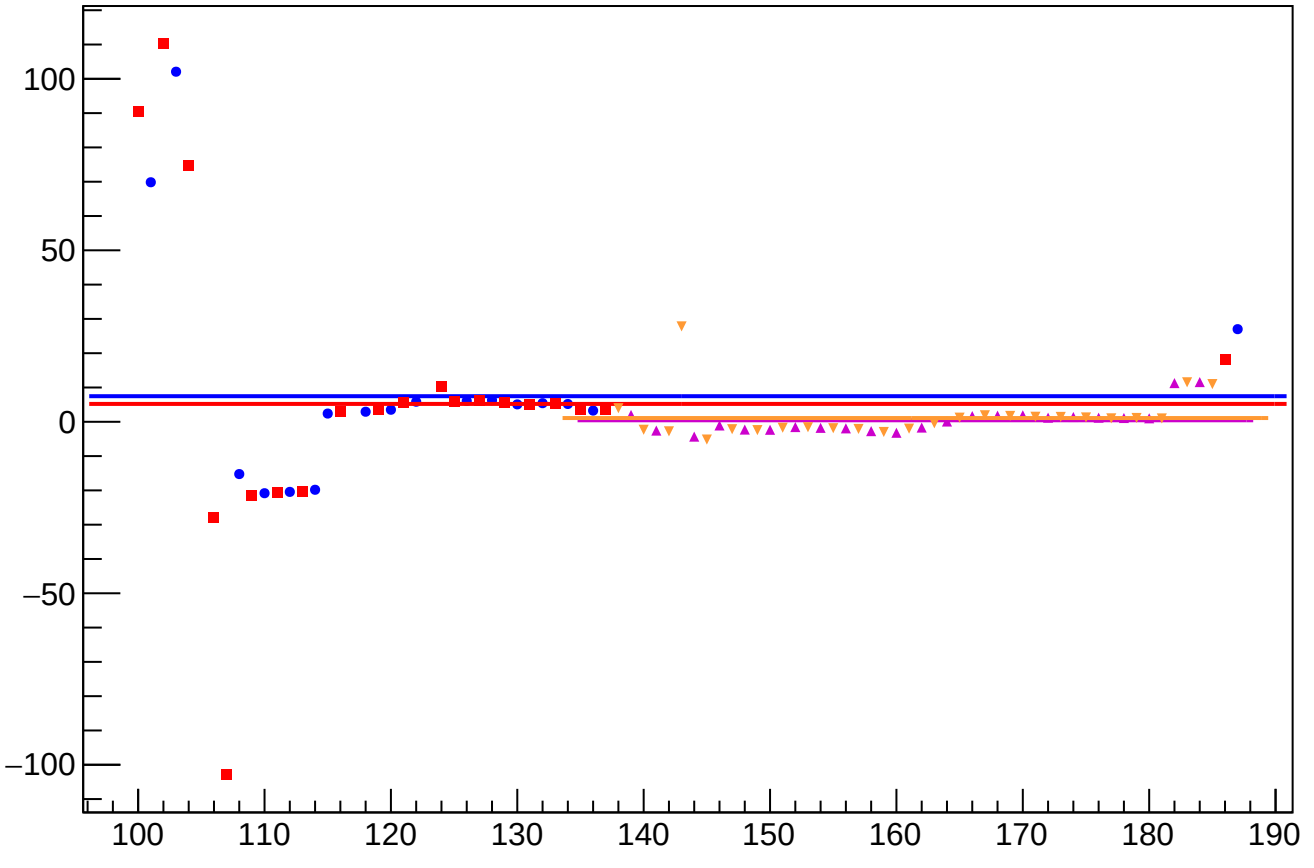
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: 0.403+/-0.491 χ^2/NDF: 122.8/36

In: 2.351+/-0.307 χ^2/NDF:161.1/39

Out: 2.680+/-0.299 χ^2/NDF:166.2/44

All: 2.520+/-0.214 χ^2/NDF: 327.9/84



Right In: 7.464+/-0.042 χ^2/NDF: 327831.8/16

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 5.212+/-0.045 χ^2/NDF: 441254.6/19

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

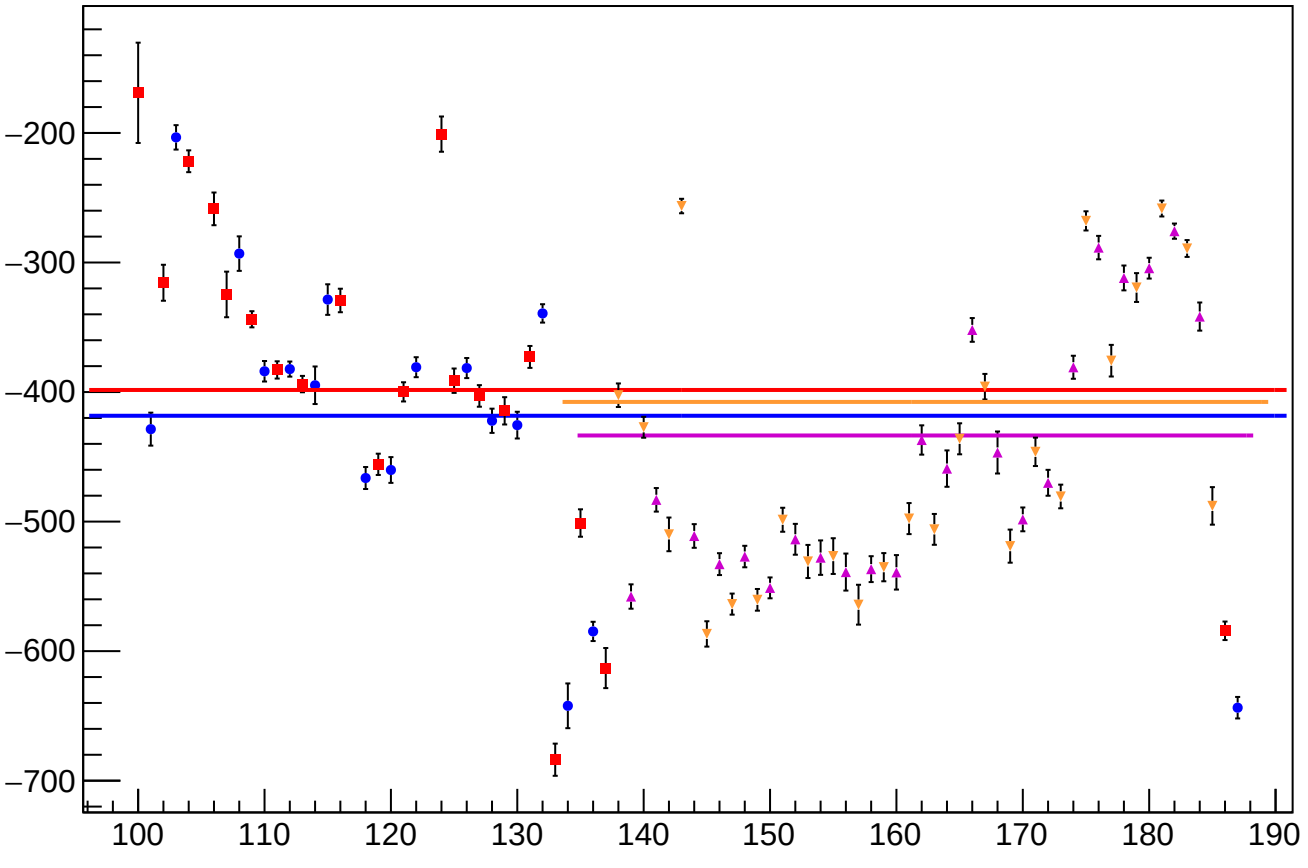
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 6.400+/-0.031 χ^2/NDF: 770432.7/36

In: 1.239+/-0.014 χ^2/NDF:405846.8/39

Out: 1.505+/-0.014 χ^2/NDF:577734.8/44

All: 1.373+/-0.010 χ^2/NDF: 983757.7/84



Right In: -418.304+/-2.159 χ^2/NDF: 2353.3/16

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -398.395+/-2.036 χ^2/NDF: 2554.8/19

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

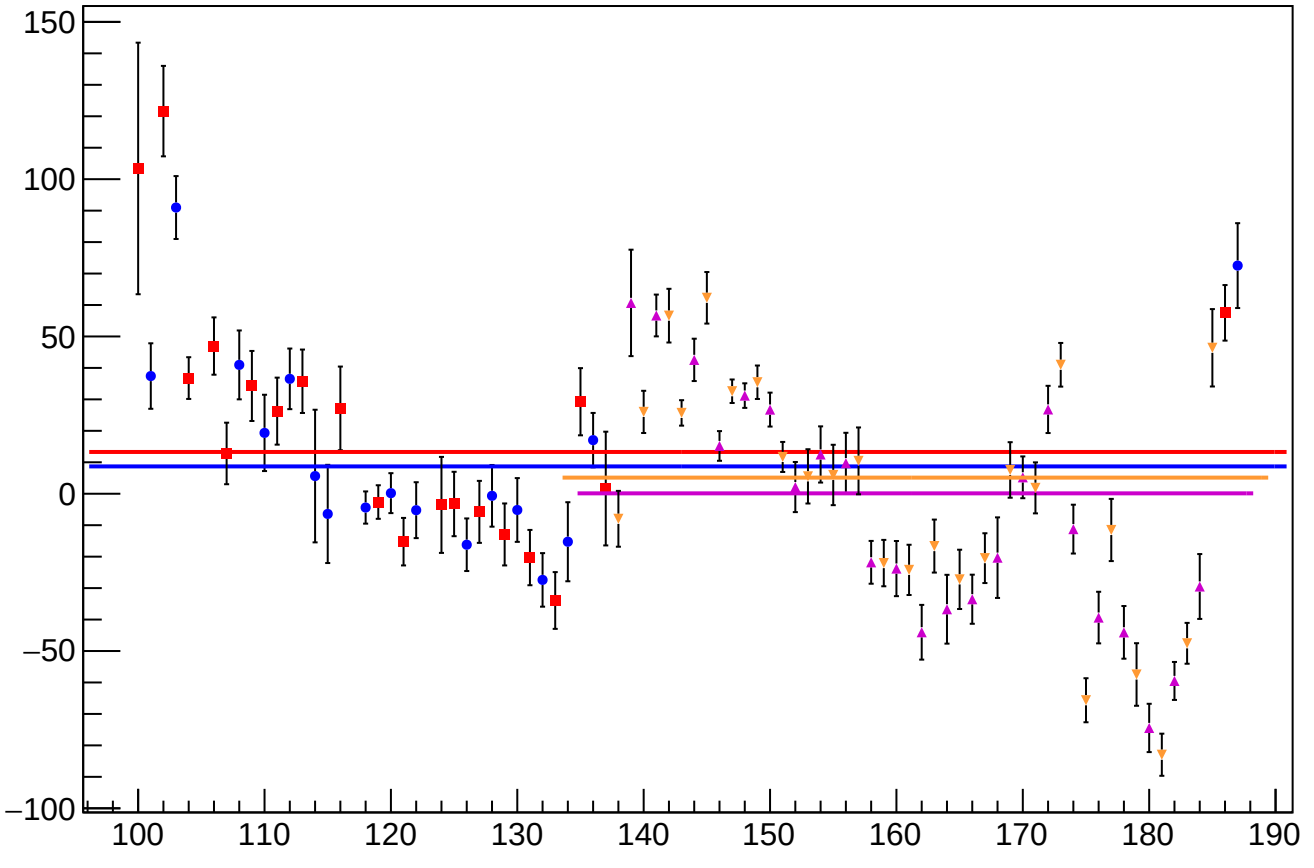
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -407.766+/-1.481 χ^2/NDF: 4953.1/36

In: -426.524+/-1.465 χ^2/NDF:5104.7/39

Out: -403.405+/-1.376 χ^2/NDF:6571.6/44

All: -414.248+/-1.003 χ^2/NDF: 11808.6/84



Right In: 8.688+/-2.233 χ^2/NDF: 161.5/16

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 13.280+/-2.132 χ^2/NDF: 206.7/19

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

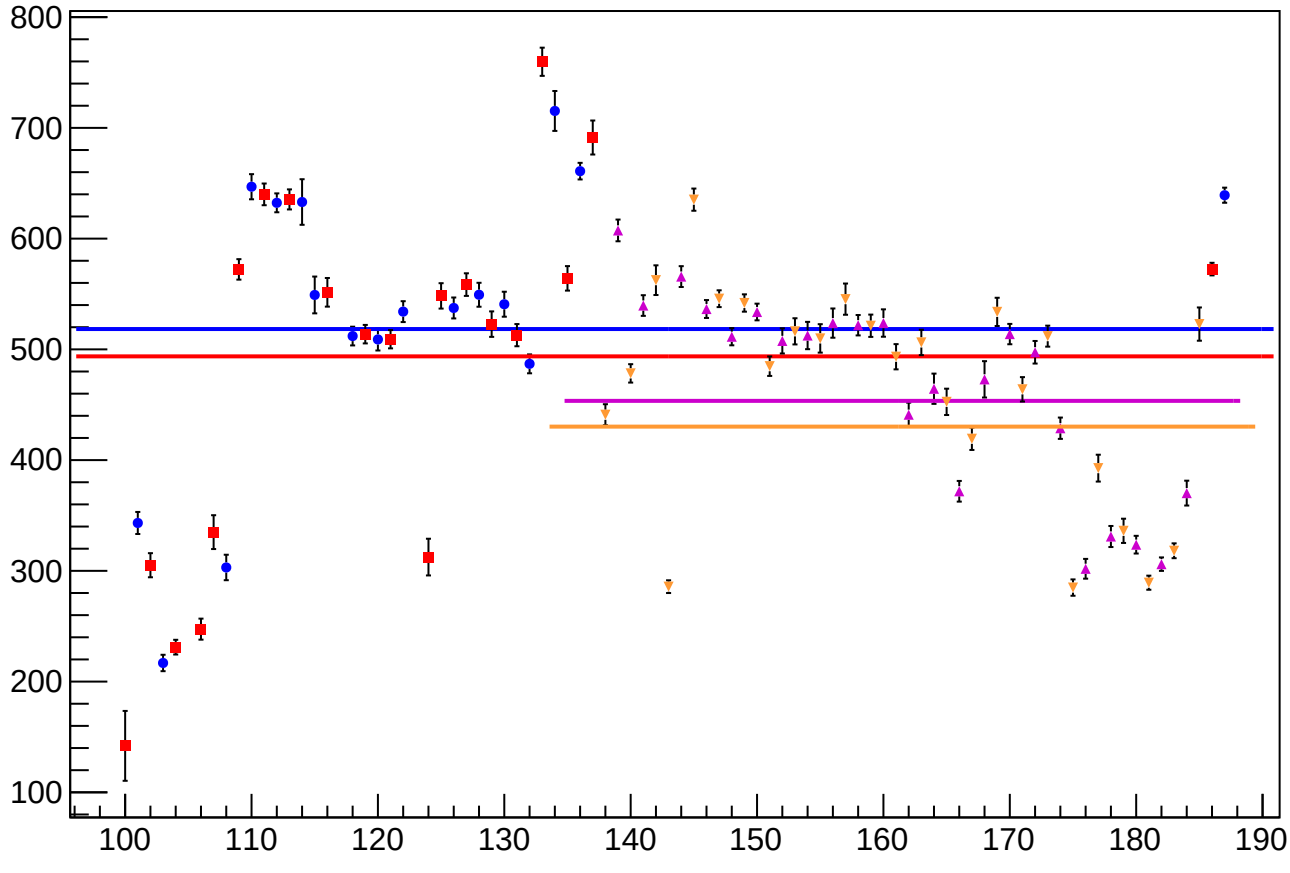
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 11.090+/-1.542 χ^2/NDF: 370.3/36

In: 2.761+/-1.239 χ^2/NDF:740.2/39

Out: 7.530+/-1.158 χ^2/NDF:906.1/44

All: 5.307+/-0.846 χ^2/NDF: 1654.3/84



Right In: 518.355+/-2.341 χ^2/NDF: 3491.0/16

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 493.679+/-2.211 χ^2/NDF: 4364.2/19

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

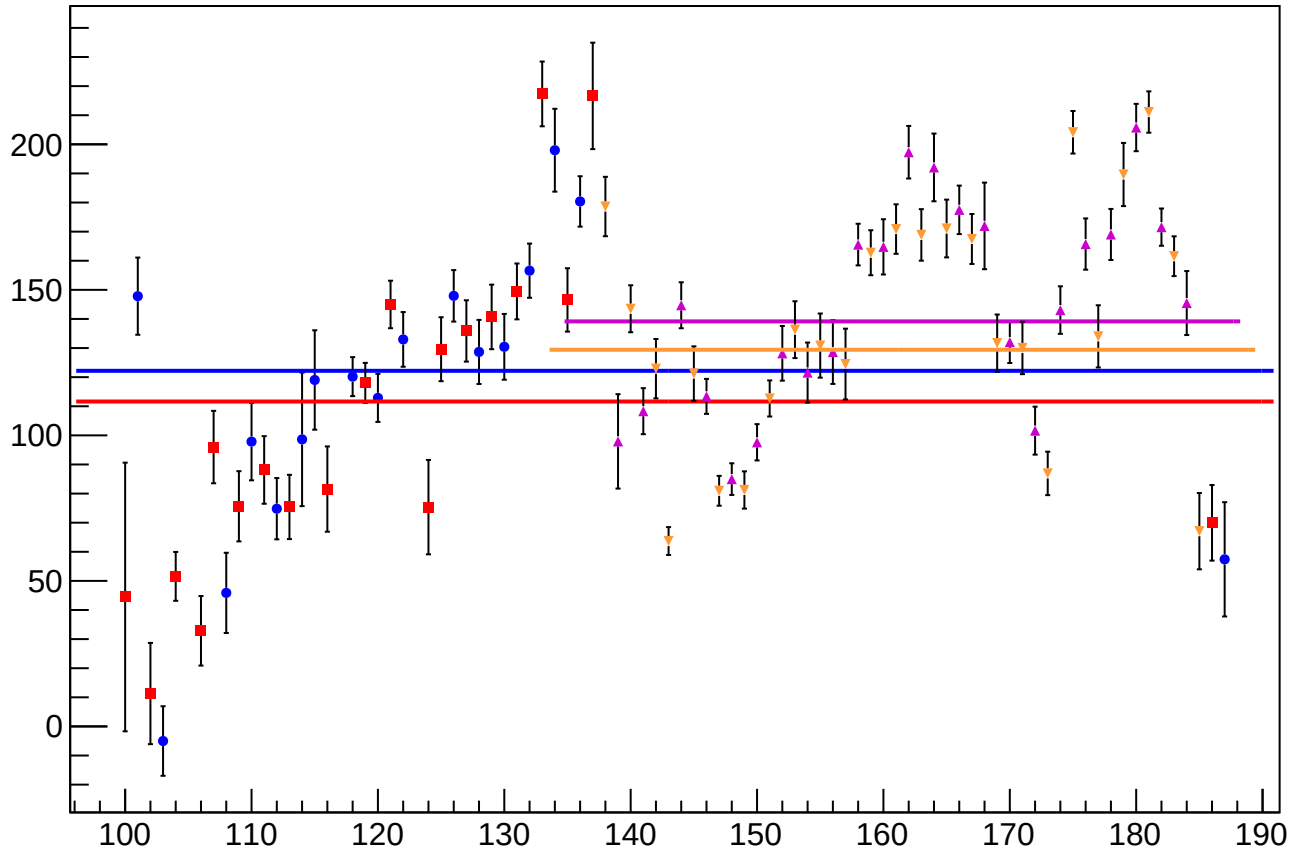
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 505.310+/-1.607 χ^2/NDF: 7913.9/36

In: 480.441+/-1.509 χ^2/NDF:6359.2/39

Out: 456.548+/-1.424 χ^2/NDF:8251.2/44

All: 467.800+/-1.036 χ^2/NDF: 14743.0/84



Right In: 122.184+/-2.604 χ^2/NDF: 282.4/16

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 111.635+/-2.497 χ^2/NDF: 356.4/19

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

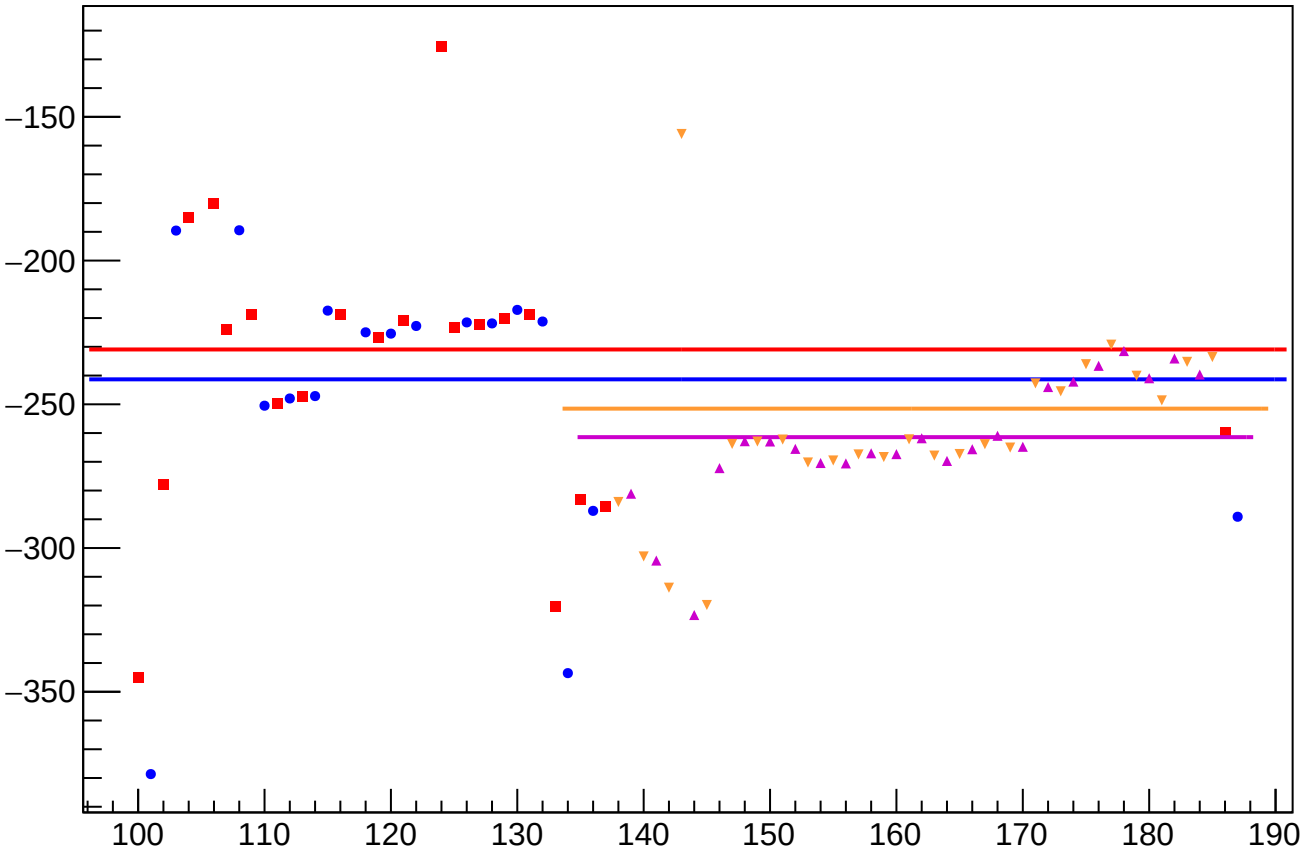
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 116.689+/-1.802 χ^2/NDF: 647.4/36

In: 134.068+/-1.426 χ^2/NDF:746.4/39

Out: 124.277+/-1.343 χ^2/NDF:1206.8/44

All: 128.878+/-0.978 χ^2/NDF: 1978.1/84



Right In: -241.316+/-0.149 χ^2/NDF: 136094.9/16

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -230.922+/-0.145 χ^2/NDF: 84416.5/19

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

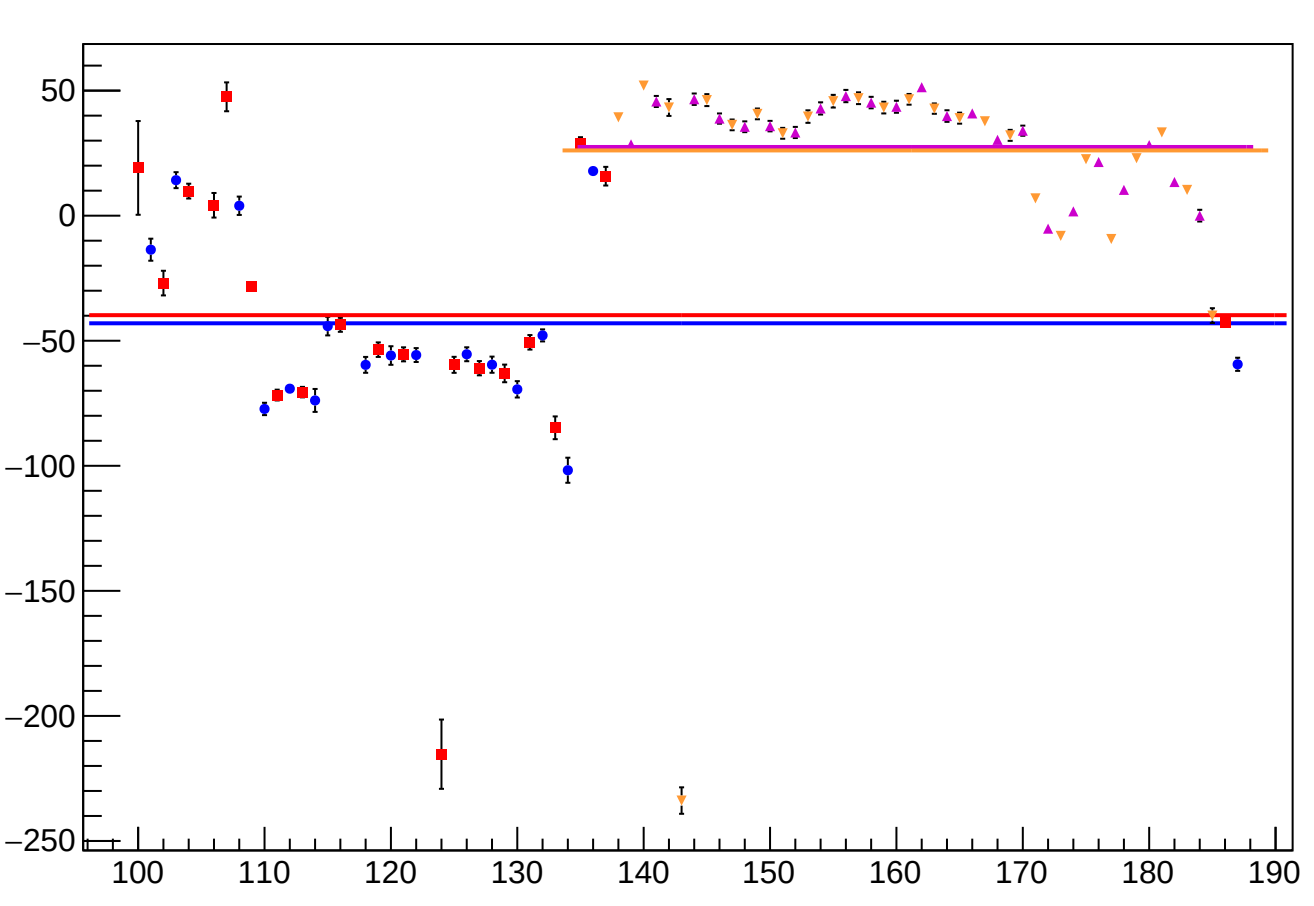
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -235.960+/-0.104 χ^2/NDF: 223011.7/36

In: -257.120+/-0.069 χ^2/NDF:219926.9/39

Out: -247.187+/-0.066 χ^2/NDF:355329.4/44

All: -251.953+/-0.048 χ^2/NDF: 586025.0/84



Right In: -43.026+/-0.697 χ^2/NDF: 2447.2/16

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.777+/-0.630 χ^2/NDF: 2482.3/19

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

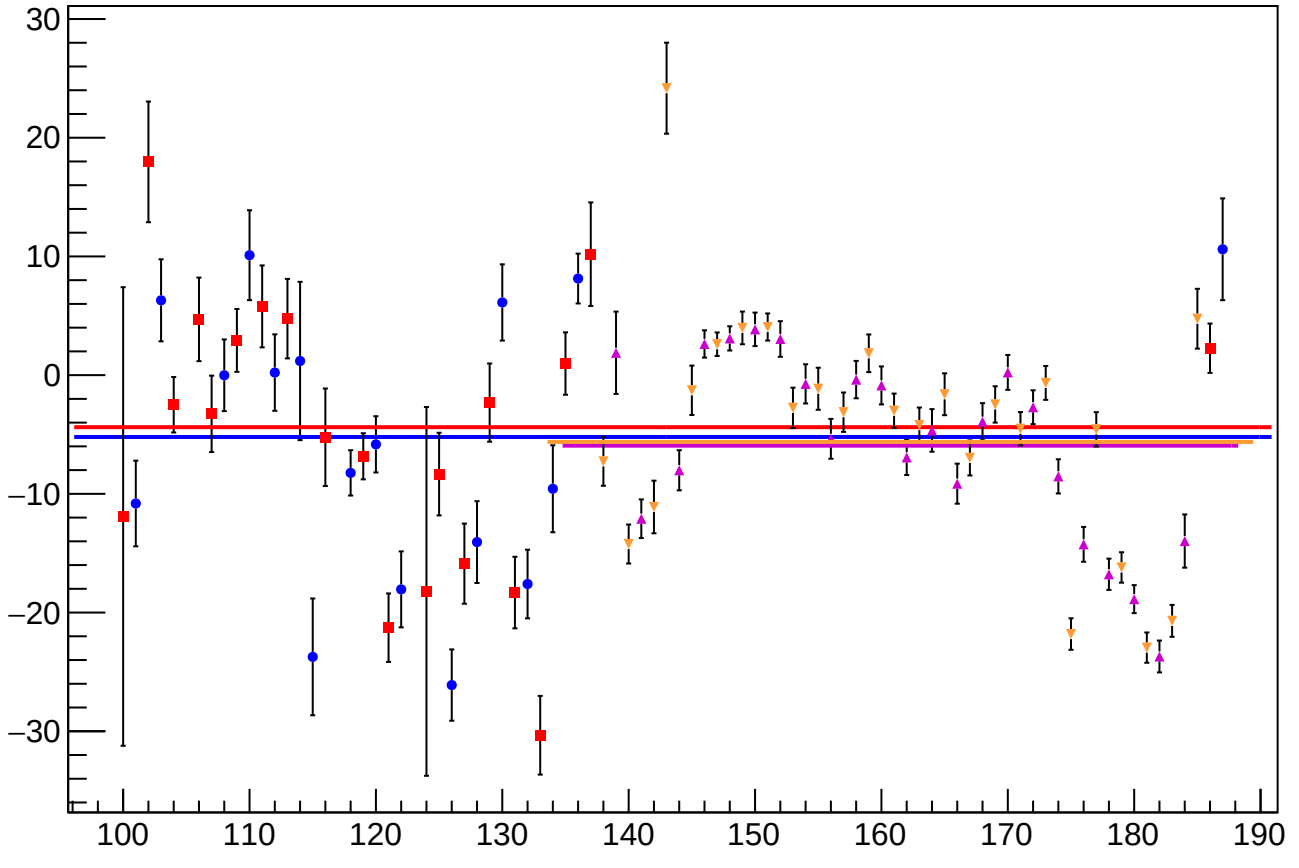
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -41.237+/-0.467 χ^2/NDF: 4941.5/36

In: 10.288+/-0.344 χ^2/NDF:11786.3/39

Out: 7.848+/-0.331 χ^2/NDF:15177.9/44

All: 9.022+/-0.239 χ^2/NDF: 26990.3/84



Right In: -5.210+/-0.742 χ^2/NDF: 210.7/16

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -4.384+/-0.697 χ^2/NDF: 208.9/19

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

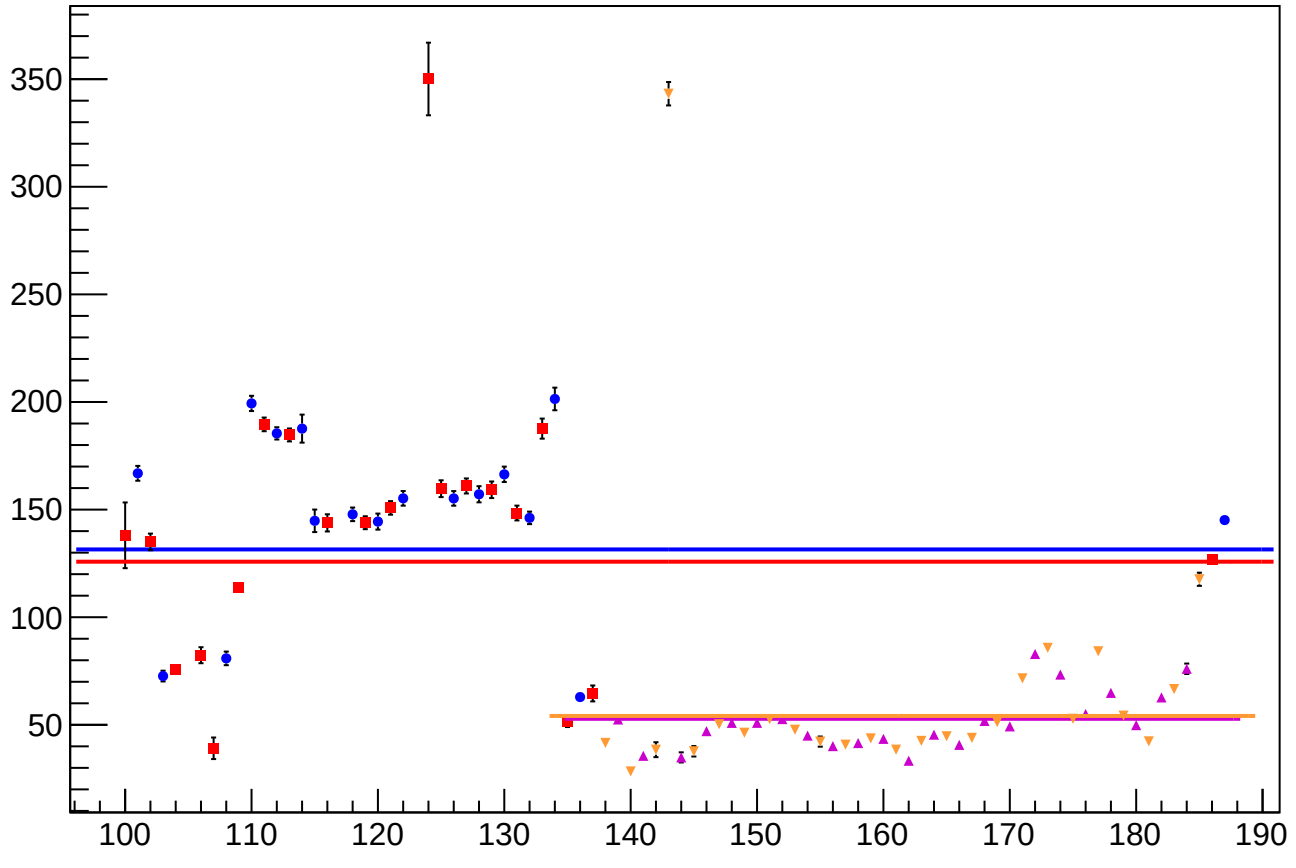
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -4.771+/-0.508 χ^2/NDF: 420.3/36

In: -5.832+/-0.285 χ^2/NDF:923.8/39

Out: -5.429+/-0.277 χ^2/NDF:1104.9/44

All: -5.625+/-0.199 χ^2/NDF: 2029.7/84



Right In: 131.493+/-0.751 χ^2/NDF: 3669.7/16

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.796+/-0.681 χ^2/NDF: 3504.0/19

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

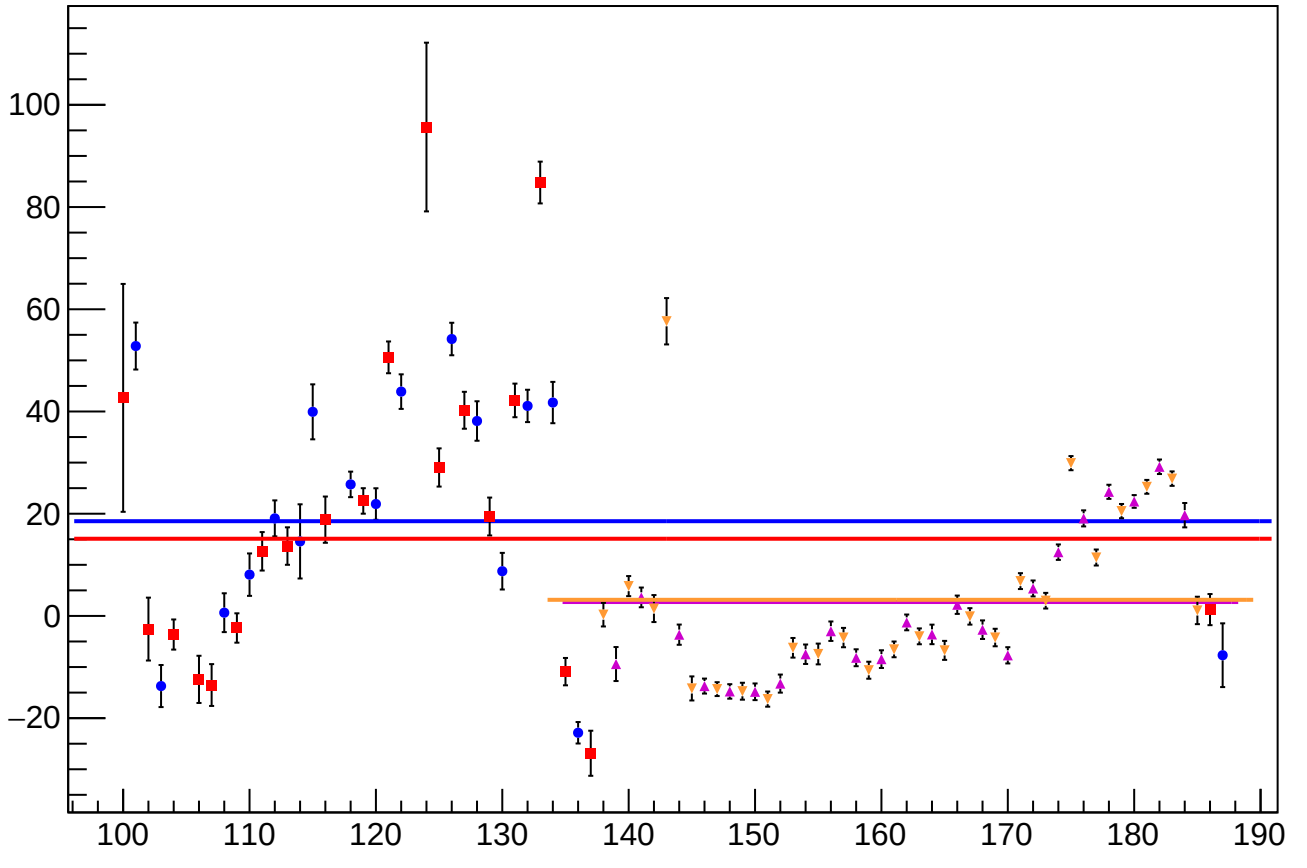
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 128.366+/-0.504 χ^2/NDF: 7205.3/36

In: 69.695+/-0.348 χ^2/NDF:13275.7/39

Out: 71.651+/-0.337 χ^2/NDF:16472.0/44

All: 70.705+/-0.242 χ^2/NDF: 29764.0/84



Right In: 18.537+/-0.852 χ^2/NDF: 876.1/16

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 15.103+/-0.815 χ^2/NDF: 963.6/19

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

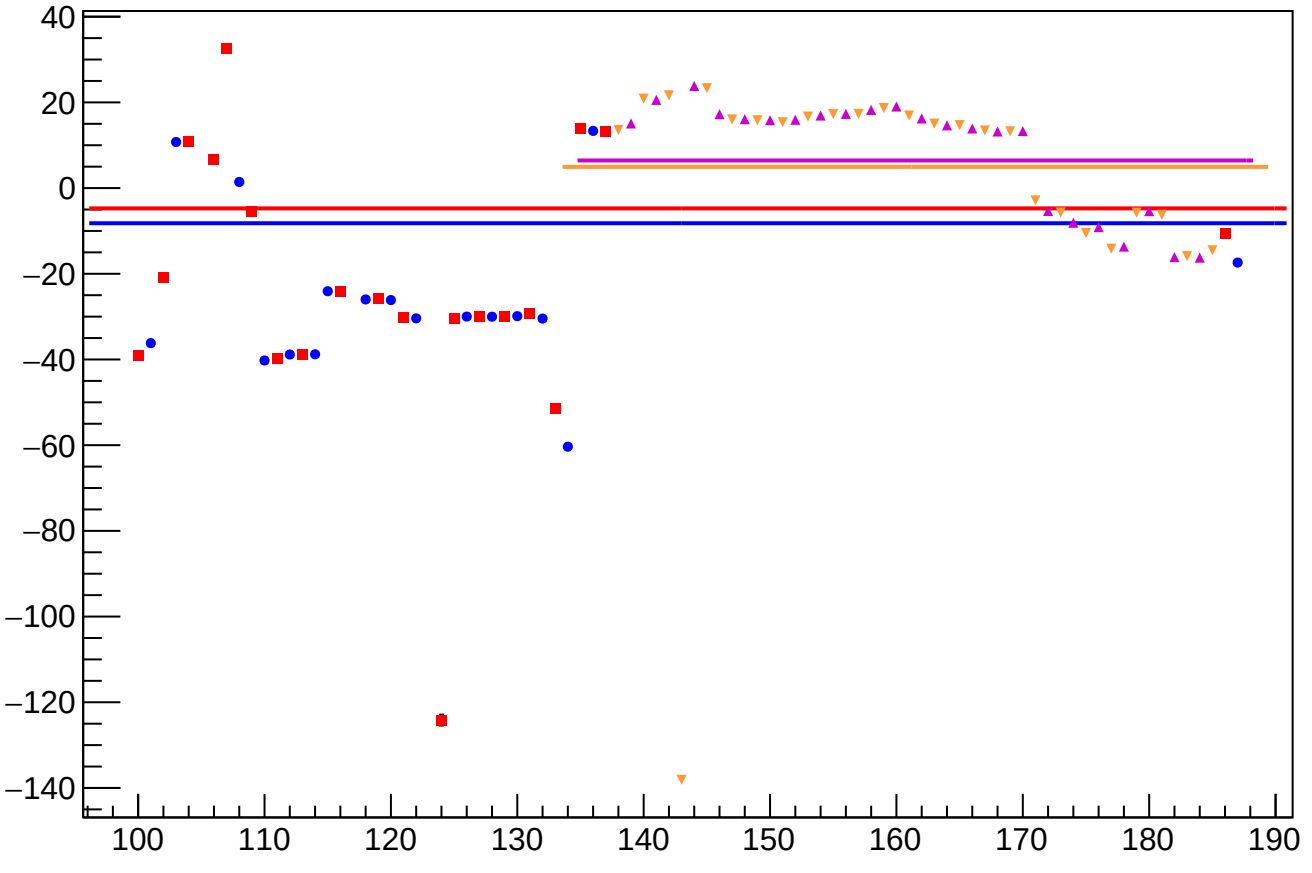
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 16.744+/-0.589 χ^2/NDF: 1848.1/36

In: 4.969+/-0.321 χ^2/NDF:2906.9/39

Out: 4.925+/-0.314 χ^2/NDF:3159.0/44

All: 4.947+/-0.224 χ^2/NDF: 6066.0/84



Right In: -8.199+/-0.045 χ^2/NDF: 268603.2/16

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -4.736+/-0.046 χ^2/NDF: 229189.0/19

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

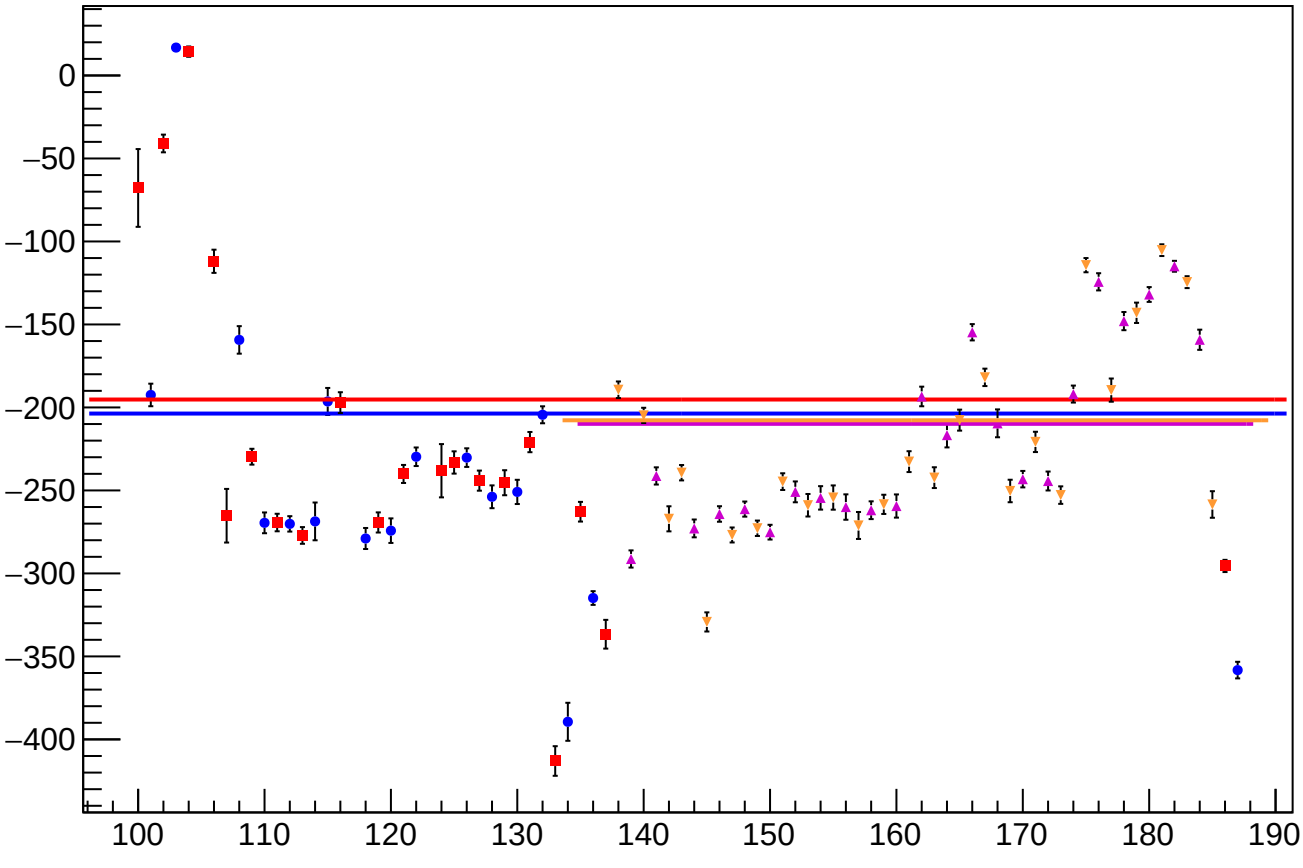
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -6.479+/-0.032 χ^2/NDF: 500678.7/36

In: 4.946+/-0.015 χ^2/NDF:1091570.0/39

Out: 3.981+/-0.014 χ^2/NDF:1406048.3/44

All: 4.460+/-0.010 χ^2/NDF: 2499838.5/84



Right In: -203.687+/-1.365 χ^2/NDF: 8259.0/16

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -195.230+/-1.294 χ^2/NDF: 8221.0/19

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

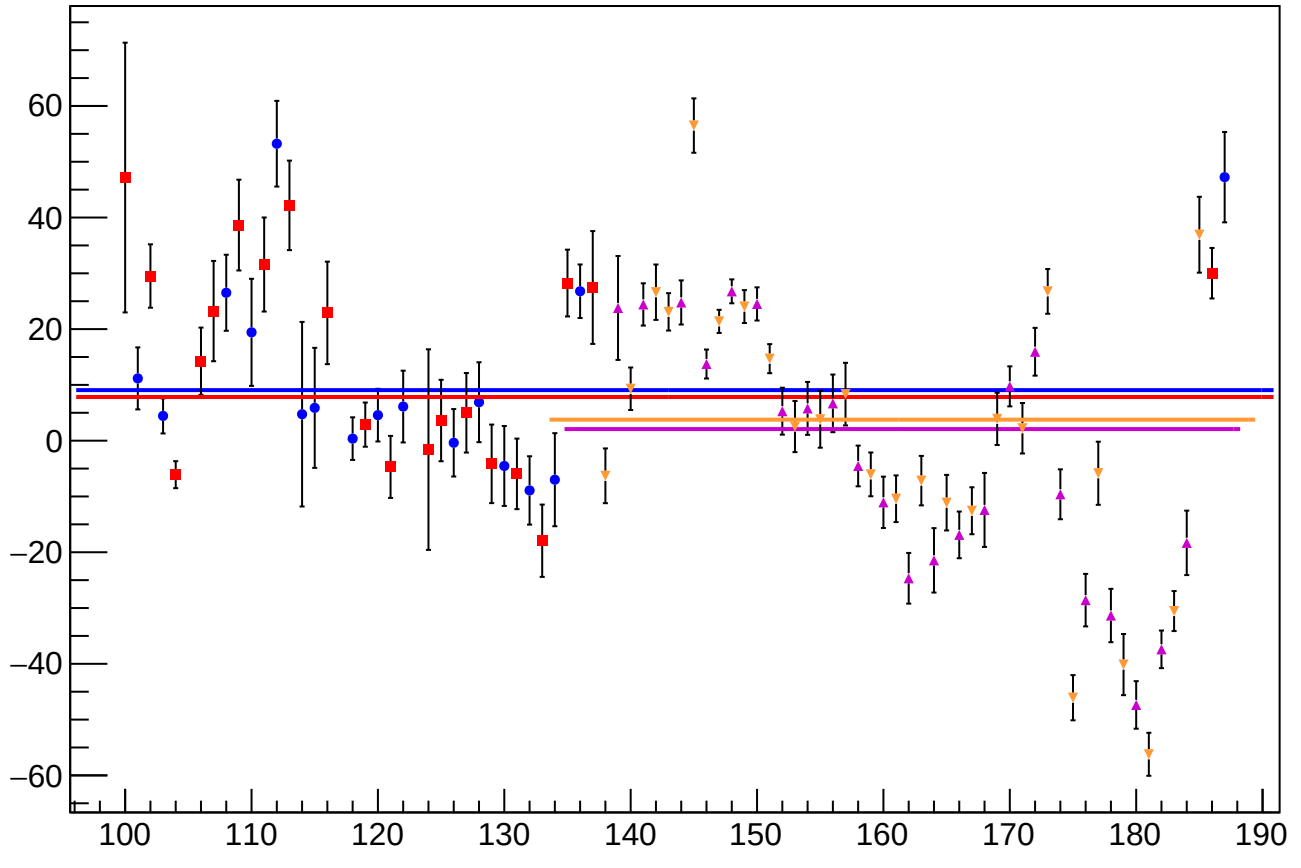
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -199.234+/-0.939 χ^2/NDF: 16500.3/36

In: -207.434+/-0.857 χ^2/NDF:11283.4/39

Out: -202.665+/-0.825 χ^2/NDF:11763.7/44

All: -204.958+/-0.594 χ^2/NDF: 23063.2/84



Right In: 9.062+/-1.416 χ^2/NDF: 103.8/16

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 7.828+/-1.298 χ^2/NDF: 168.0/19

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

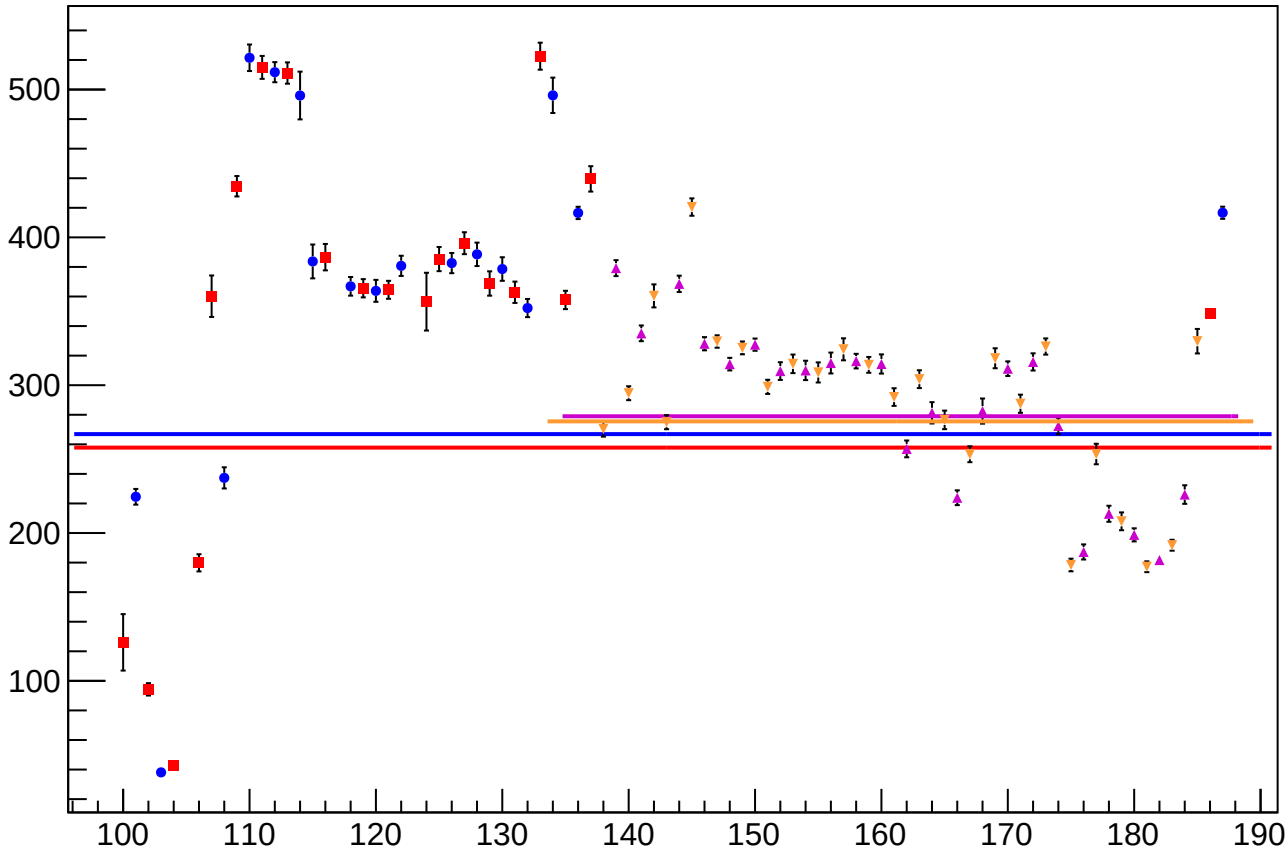
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 8.392+/-0.957 χ^2/NDF: 272.3/36

In: 3.833+/-0.710 χ^2/NDF:892.2/39

Out: 4.861+/-0.673 χ^2/NDF:1147.3/44

All: 4.374+/-0.488 χ^2/NDF: 2040.6/84



Right In: 266.911+/-1.343 χ^2/NDF: 16794.1/16

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 257.789+/-1.268 χ^2/NDF: 16839.9/19

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

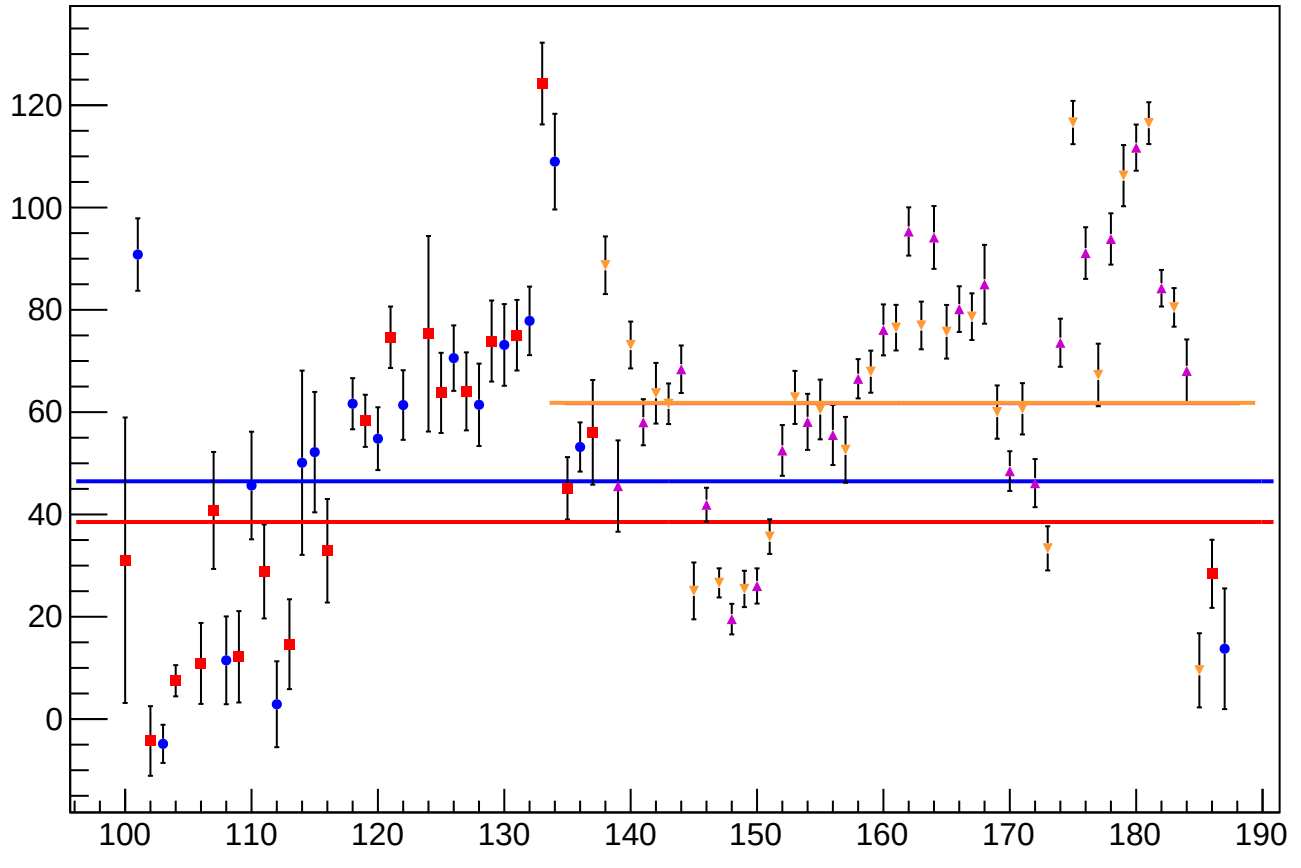
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 262.088+/-0.922 χ^2/NDF: 33658.3/36

In: 274.200+/-0.846 χ^2/NDF:19957.5/39

Out: 268.222+/-0.814 χ^2/NDF:20278.1/44

All: 271.097+/-0.587 χ^2/NDF: 40261.5/84



Right In: 46.482+/-1.651 χ^2/NDF: 393.2/16

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 38.523+/-1.552 χ^2/NDF: 418.9/19

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

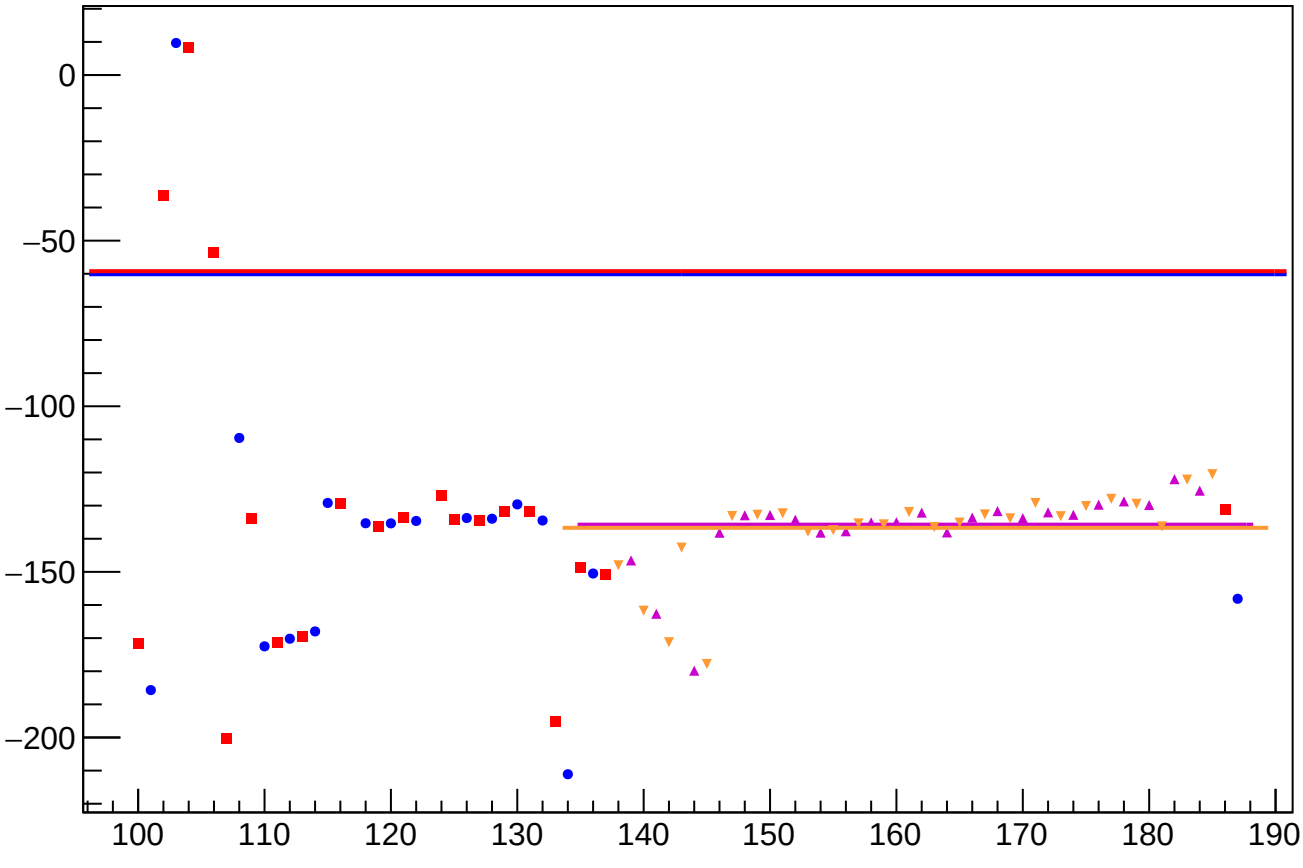
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 42.256+/-1.131 χ^2/NDF: 824.4/36

In: 58.031+/-0.816 χ^2/NDF:1193.9/39

Out: 55.882+/-0.783 χ^2/NDF:1546.3/44

All: 56.913+/-0.565 χ^2/NDF: 2743.8/84



Right In: -60.141+/-0.072 χ^2/NDF: 1249377.8/16

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -59.219+/-0.073 χ^2/NDF: 894323.3/19

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

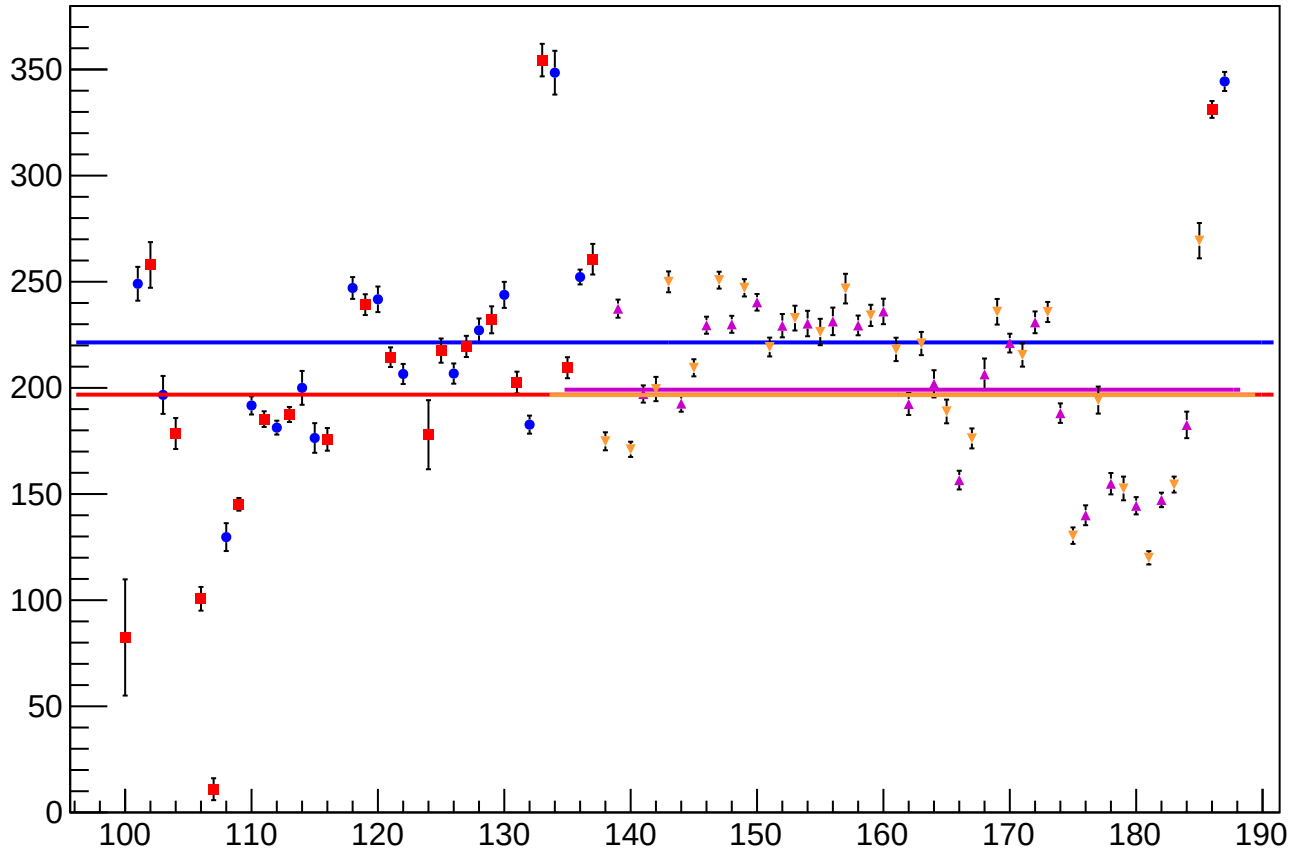
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -59.688+/-0.051 χ^2/NDF: 2143781.4/36

In: -116.071+/-0.037 χ^2/NDF:2124877.5/39

Out: -117.411+/-0.037 χ^2/NDF:1810420.0/44

All: -116.745+/-0.026 χ^2/NDF: 3935963.1/84



Right In: 221.419+/-1.245 χ^2/NDF: 1592.7/16

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 196.820+/-1.143 χ^2/NDF: 3795.5/19

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

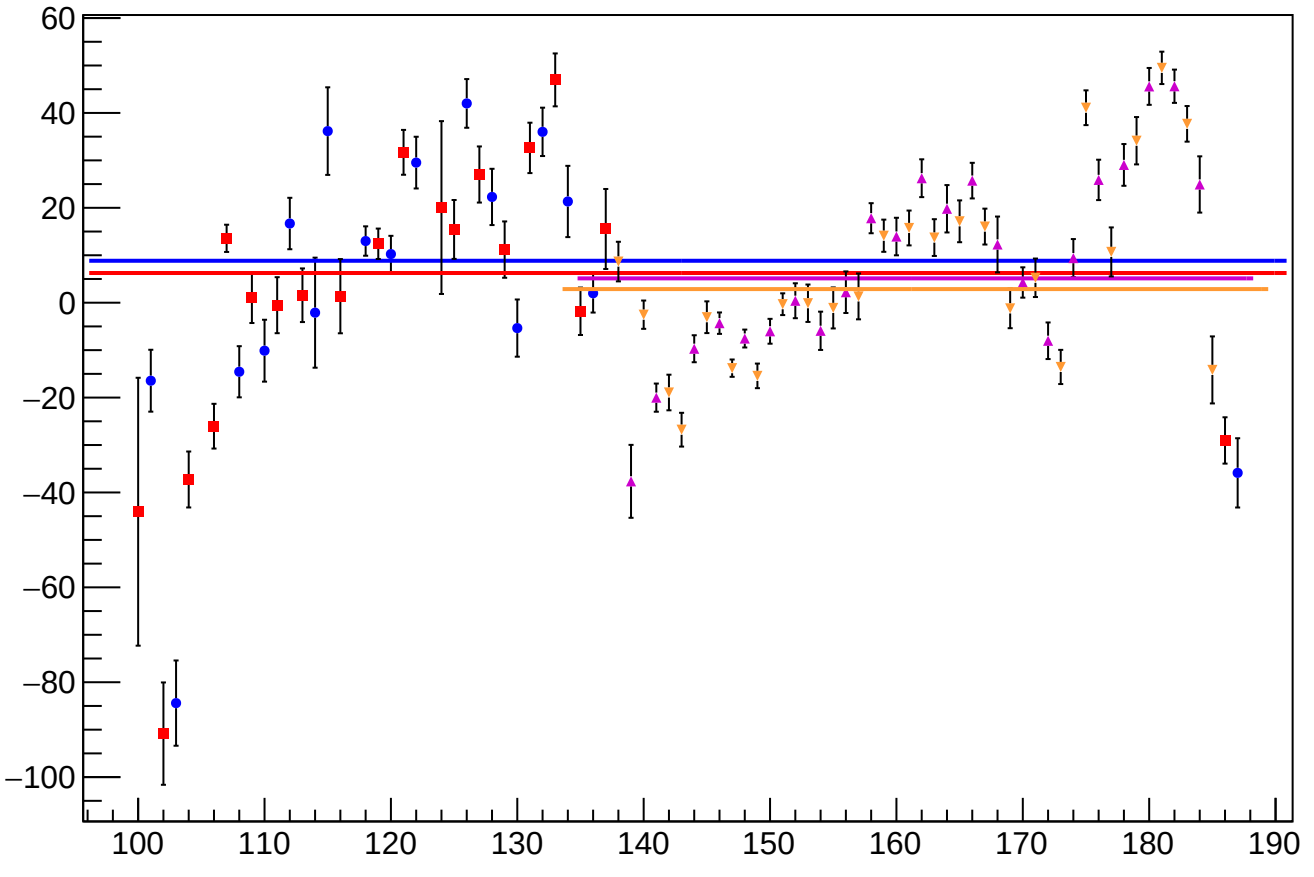
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

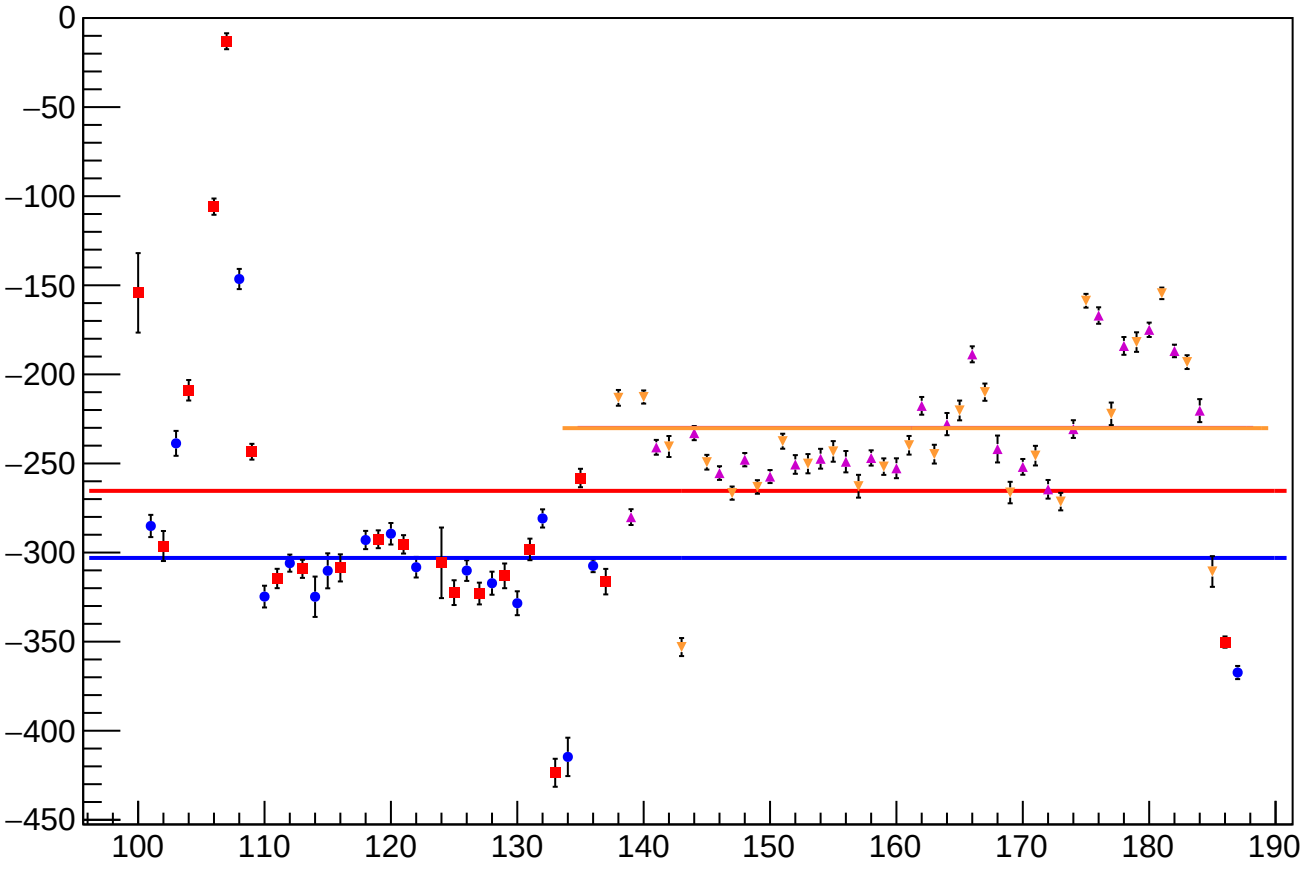
Right: 208.071+/-0.842 χ^2/NDF: 5600.0/36

In: 207.593+/-0.767 χ^2/NDF:3085.9/39

Out: 196.699+/-0.729 χ^2/NDF:5871.0/44

All: 201.872+/-0.528 χ^2/NDF: 9062.9/84


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: 8.839+/-1.311 χ²/NDF: 302.0/16
Left Out: 2.870+/-0.693 χ²/NDF:752.8/24
Right Out: 6.260+/-1.188 χ²/NDF: 377.9/19
Left In: 5.126+/-0.718 χ²/NDF:628.6/22
Left: 3.958+/-0.499 χ²/NDF: 1386.5/47
Right: 7.423+/-0.880 χ²/NDF: 682.0/36
In: 5.982+/-0.630 χ²/NDF:936.8/39
Out: 3.731+/-0.599 χ²/NDF:1136.7/44
All: 4.800+/-0.434 χ²/NDF: 2080.2/84



Right In: -303.026+/-1.364 χ^2/NDF: 1334.6/16

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -265.379+/-1.256 χ^2/NDF: 6228.0/19

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

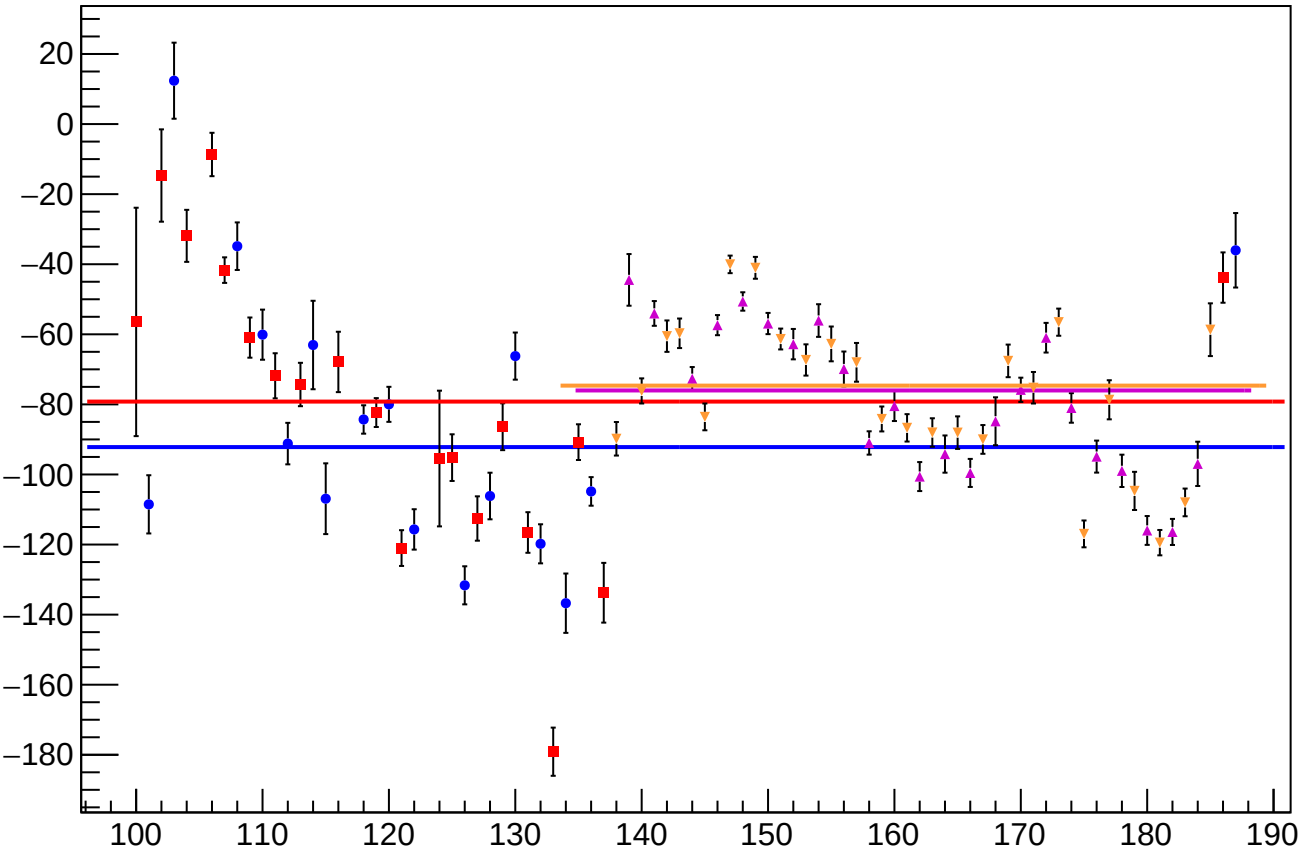
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -282.650+/-0.924 χ^2/NDF: 7975.1/36

In: -254.260+/-0.786 χ^2/NDF:4342.0/39

Out: -242.806+/-0.752 χ^2/NDF:8913.9/44

All: -248.283+/-0.543 χ^2/NDF: 13366.9/84



Right In: -92.186+/-1.519 χ^2/NDF: 383.8/16

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -79.201+/-1.397 χ^2/NDF: 740.6/19

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

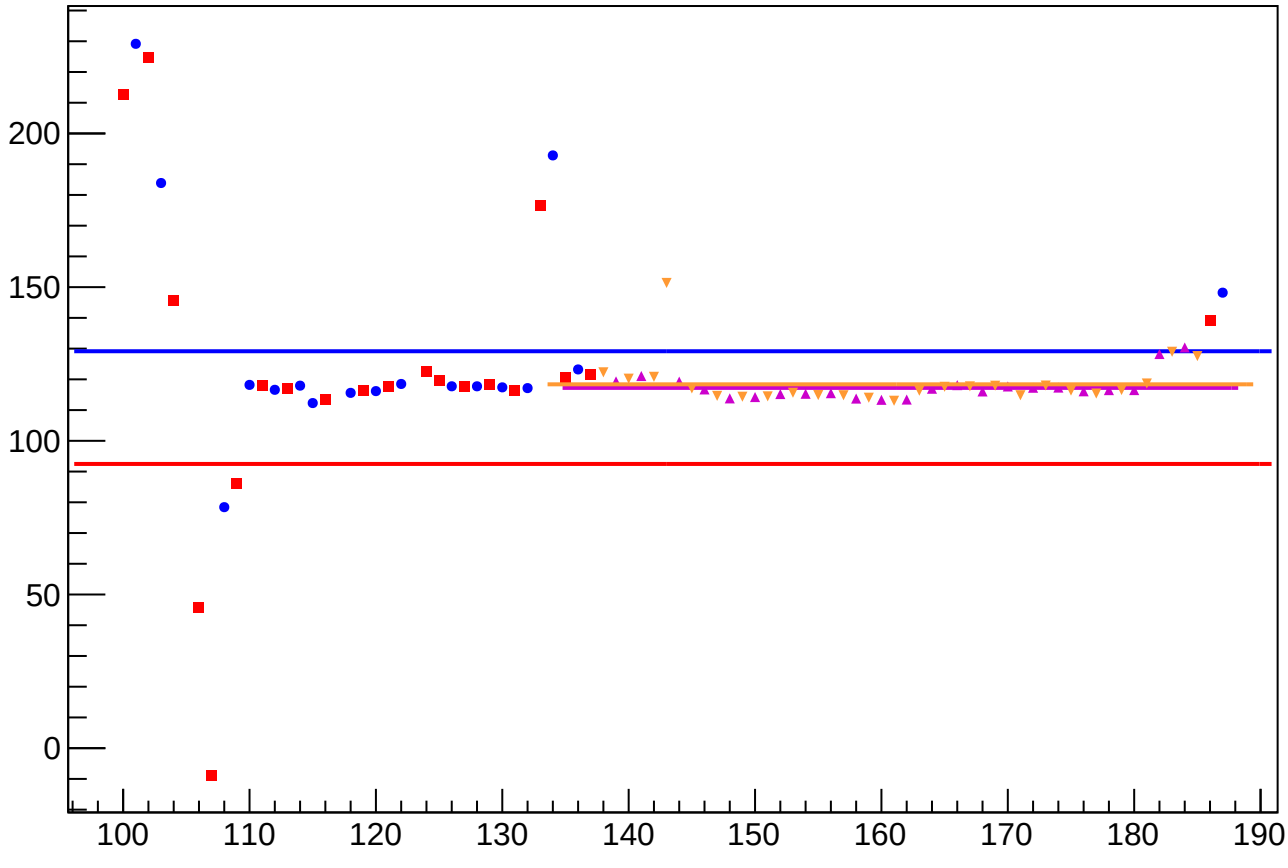
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -85.152+/-1.028 χ^2/NDF: 1164.0/36

In: -79.702+/-0.724 χ^2/NDF:1117.3/39

Out: -75.771+/-0.695 χ^2/NDF:1579.6/44

All: -77.654+/-0.501 χ^2/NDF: 2712.3/84



Right In: 129.145+/-0.088 χ^2/NDF: 184577.7/16

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 92.477+/-0.078 χ^2/NDF: 613253.6/19

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

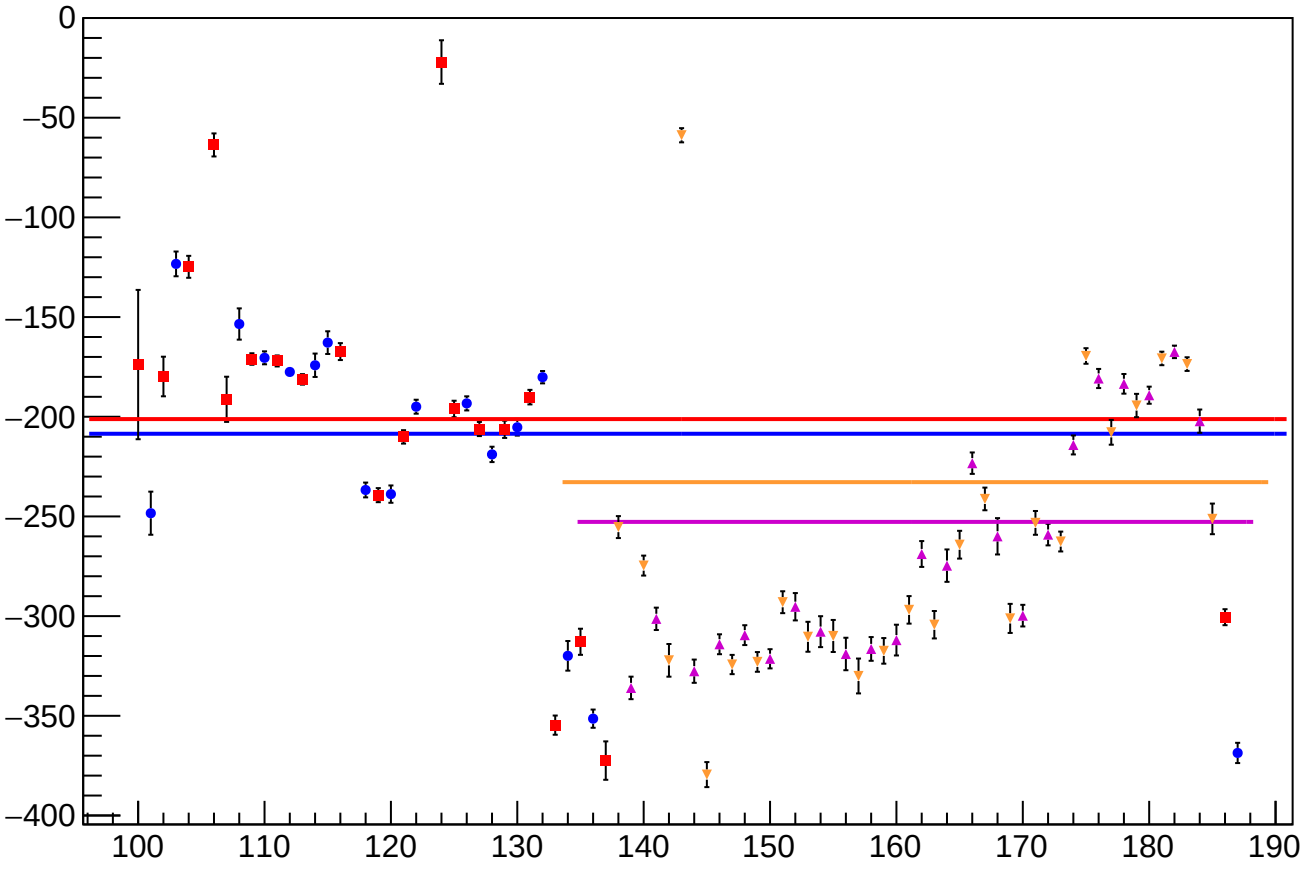
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 108.615+/-0.058 χ^2/NDF: 894718.9/36

In: 119.060+/-0.035 χ^2/NDF:210277.0/39

Out: 113.581+/-0.034 χ^2/NDF:737704.3/44

All: 116.245+/-0.024 χ^2/NDF: 960877.9/84



Right In: -208.530+/-1.004 χ^2/NDF: 3074.6/16

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -201.173+/-0.947 χ^2/NDF: 3750.8/19

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

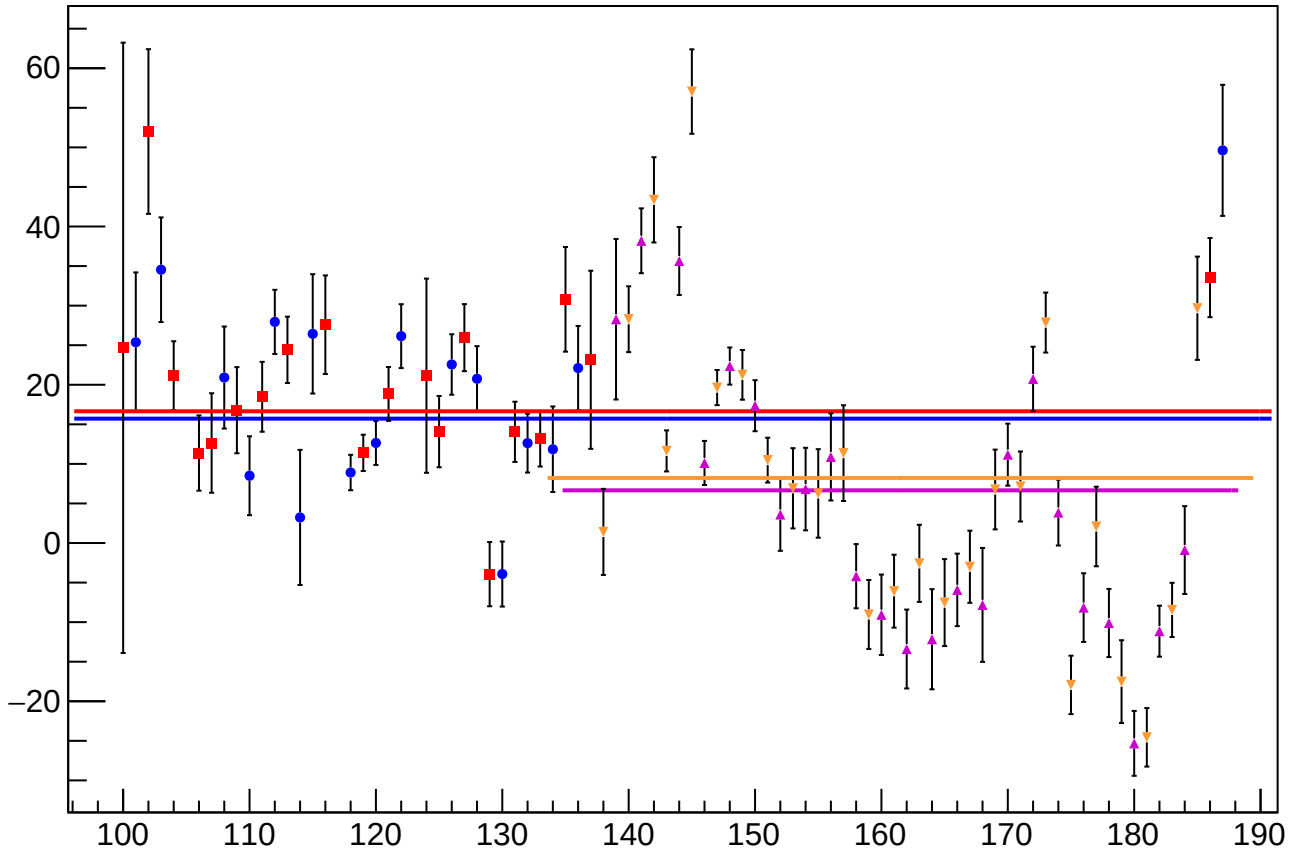
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -204.635+/-0.689 χ^2/NDF: 6853.8/36

In: -228.015+/-0.751 χ^2/NDF:6843.3/39

Out: -215.029+/-0.710 χ^2/NDF:10003.9/44

All: -221.156+/-0.516 χ^2/NDF: 17005.2/84



Right In: 15.718+/-1.039 χ^2/NDF: 89.4/16

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 16.651+/-1.015 χ^2/NDF: 75.4/19

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

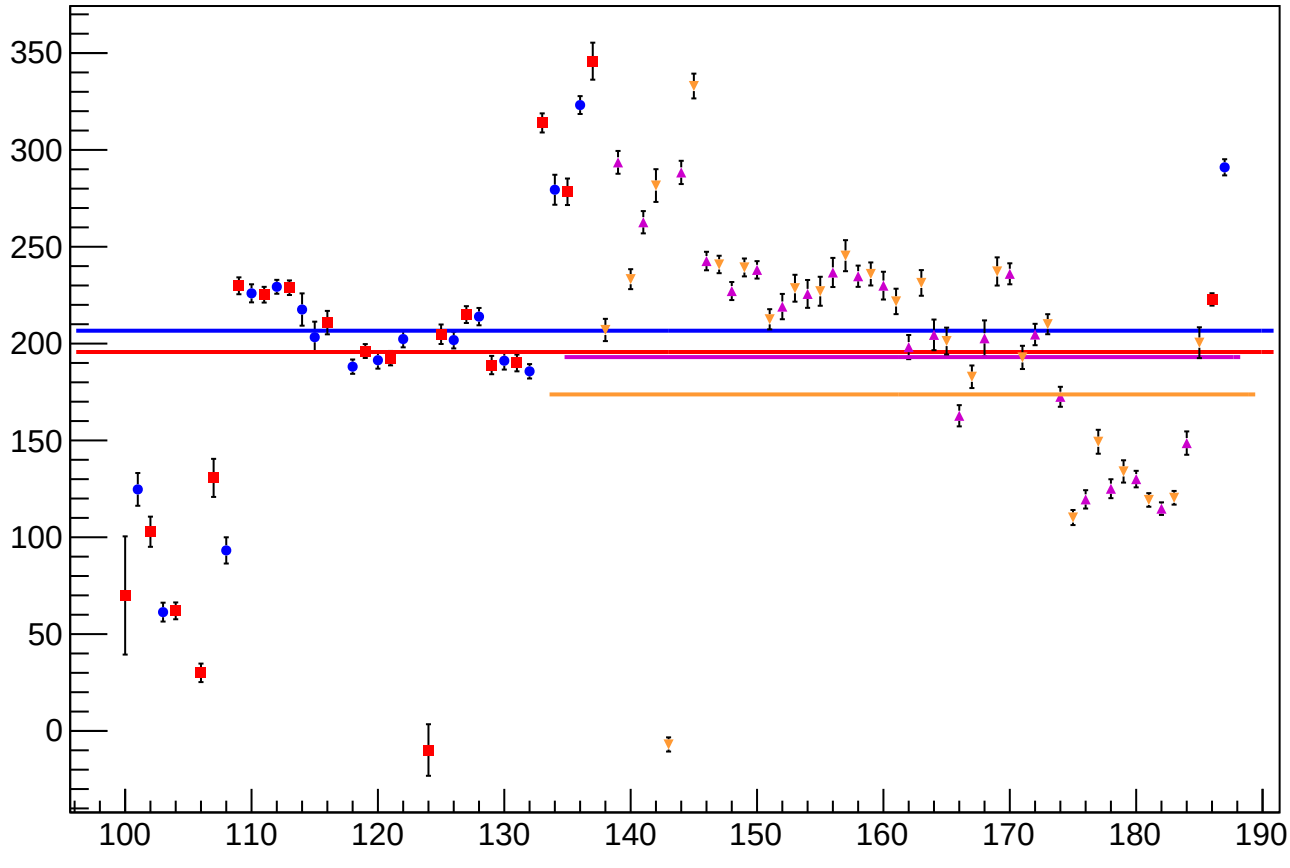
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 16.195+/-0.726 χ^2/NDF: 165.2/36

In: 10.330+/-0.662 χ^2/NDF:489.4/39

Out: 11.465+/-0.630 χ^2/NDF:575.8/44

All: 10.926+/-0.456 χ^2/NDF: 1066.7/84



Right In: 206.649+/-1.149 χ^2/NDF: 2544.0/16

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 195.657+/-1.083 χ^2/NDF: 3858.2/19

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

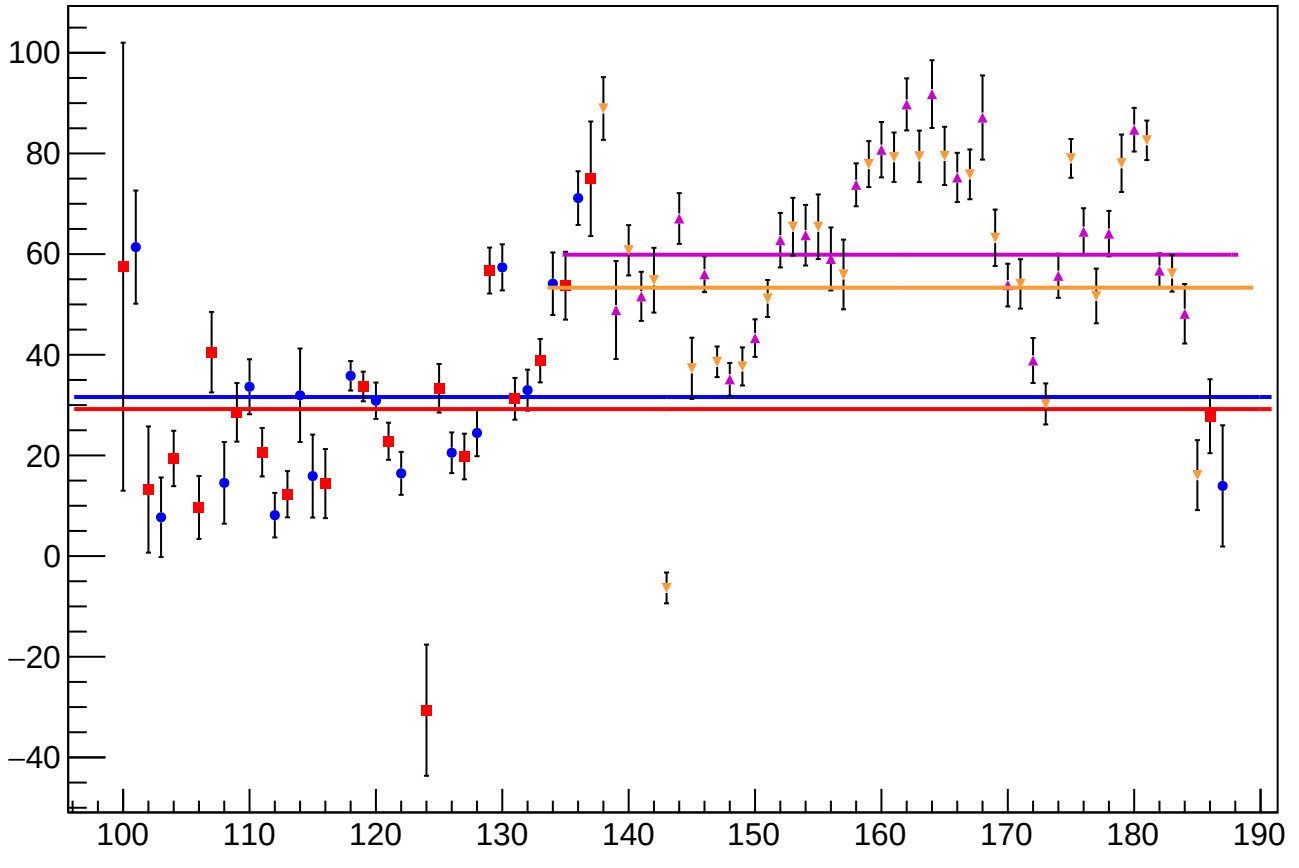
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 200.825+/-0.788 χ^2/NDF: 6450.6/36

In: 199.672+/-0.803 χ^2/NDF:5127.9/39

Out: 184.560+/-0.761 χ^2/NDF:9326.3/44

All: 191.707+/-0.552 χ^2/NDF: 14640.9/84



Right In: 31.602+/-1.210 χ^2/NDF: 179.2/16

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.207+/-1.181 χ^2/NDF: 140.9/19

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

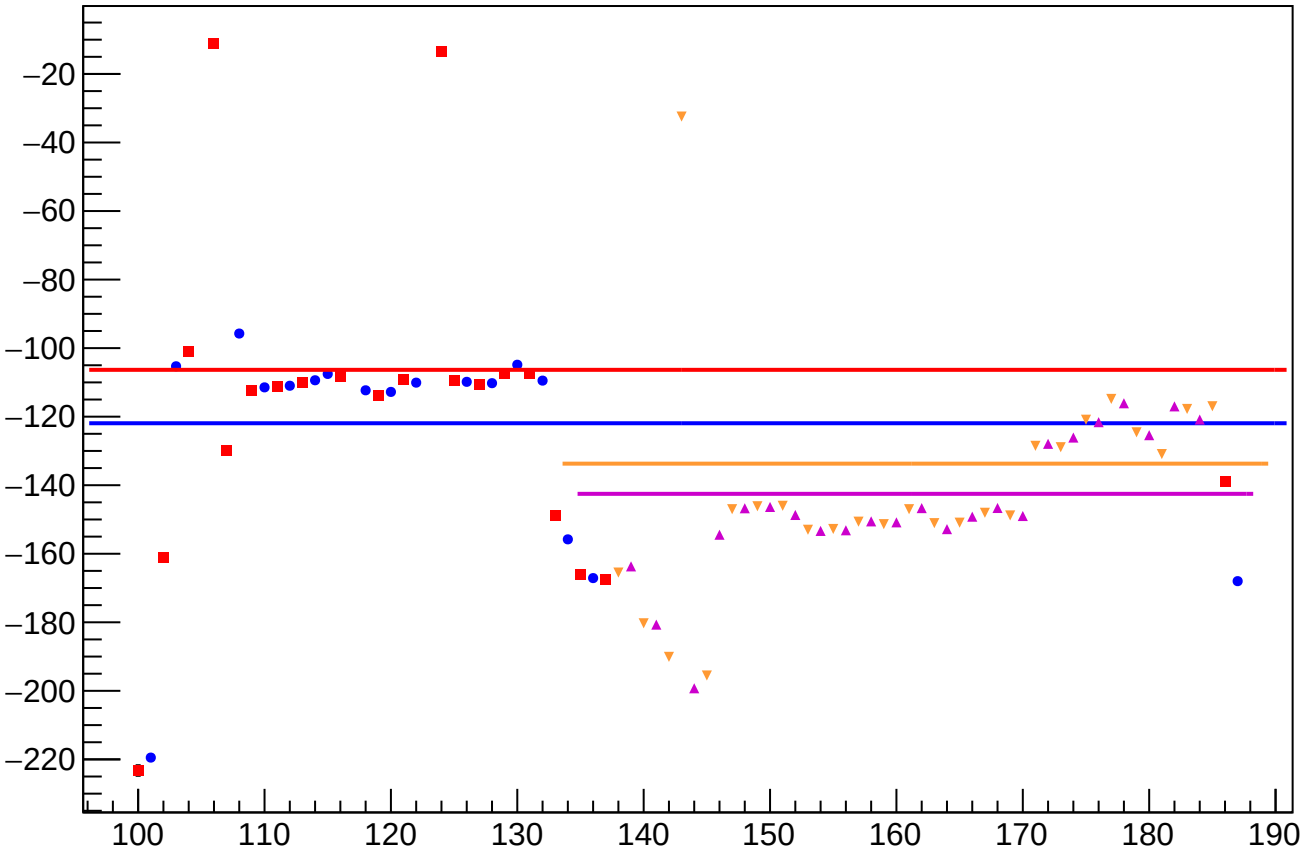
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 30.375+/-0.845 χ^2/NDF: 322.1/36

In: 48.731+/-0.760 χ^2/NDF:761.0/39

Out: 44.200+/-0.727 χ^2/NDF:1179.1/44

All: 46.363+/-0.525 χ^2/NDF: 1958.7/84



Right In: -121.921+/-0.079 χ^2/NDF: 124256.4/16

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -106.335+/-0.074 χ^2/NDF: 359102.2/19

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

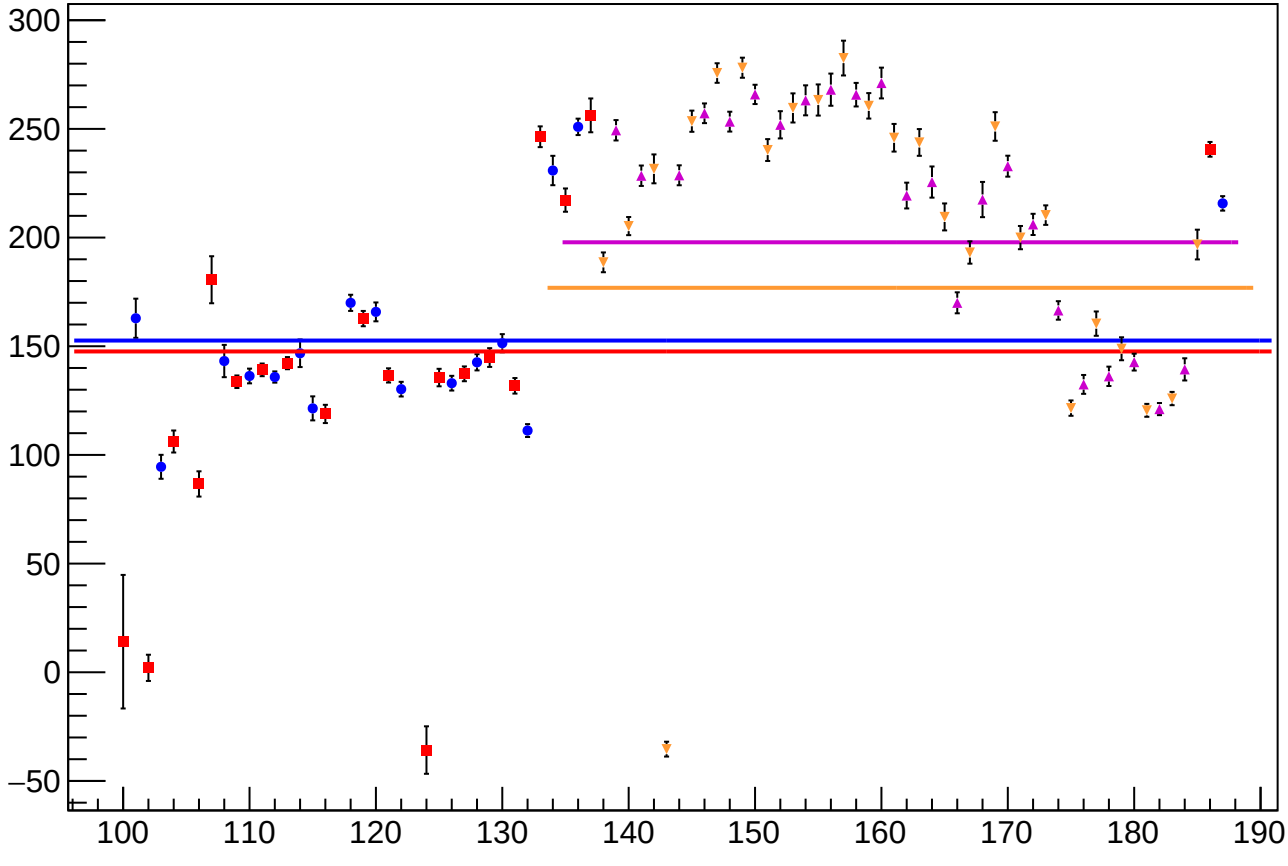
Right: -113.645+/-0.054 χ^2/NDF: 504199.7/36

In: -137.539+/-0.039 χ^2/NDF:354721.6/39

Out: -126.831+/-0.037 χ^2/NDF:1137655.8/44

All: -131.957+/-0.027 χ^2/NDF: 1532336.3/84

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 152.621+/-0.961 χ^2/NDF: 1692.8/16

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 147.602+/-0.924 χ^2/NDF: 2762.4/19

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

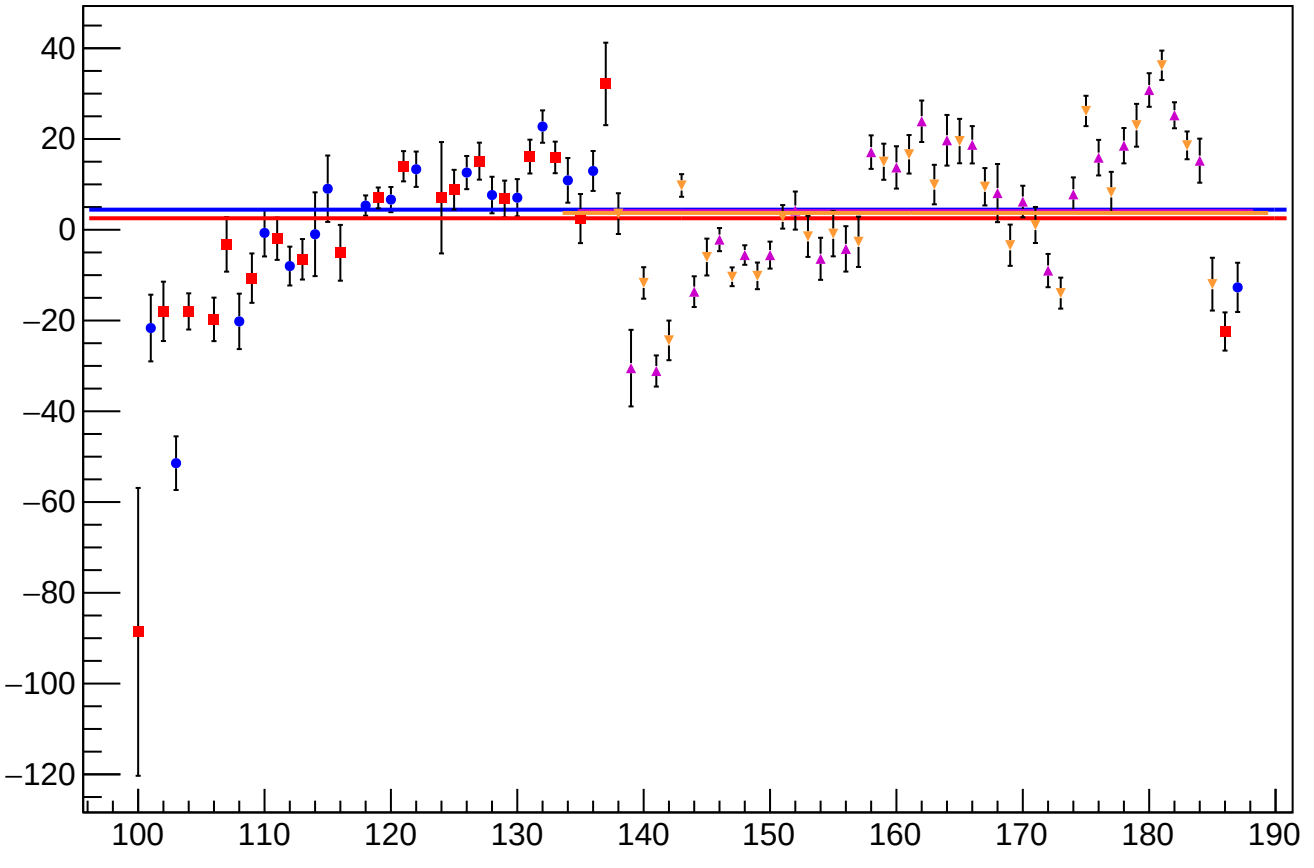
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 150.013+/-0.666 χ^2/NDF: 4469.4/36

In: 174.182+/-0.695 χ^2/NDF:5716.8/39

Out: 161.717+/-0.665 χ^2/NDF:10671.5/44

All: 167.674+/-0.480 χ^2/NDF: 16556.3/84



Right In: 4.431+/-1.003 χ^2/NDF: 182.2/16

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: 2.533+/-0.984 χ^2/NDF: 182.0/19

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

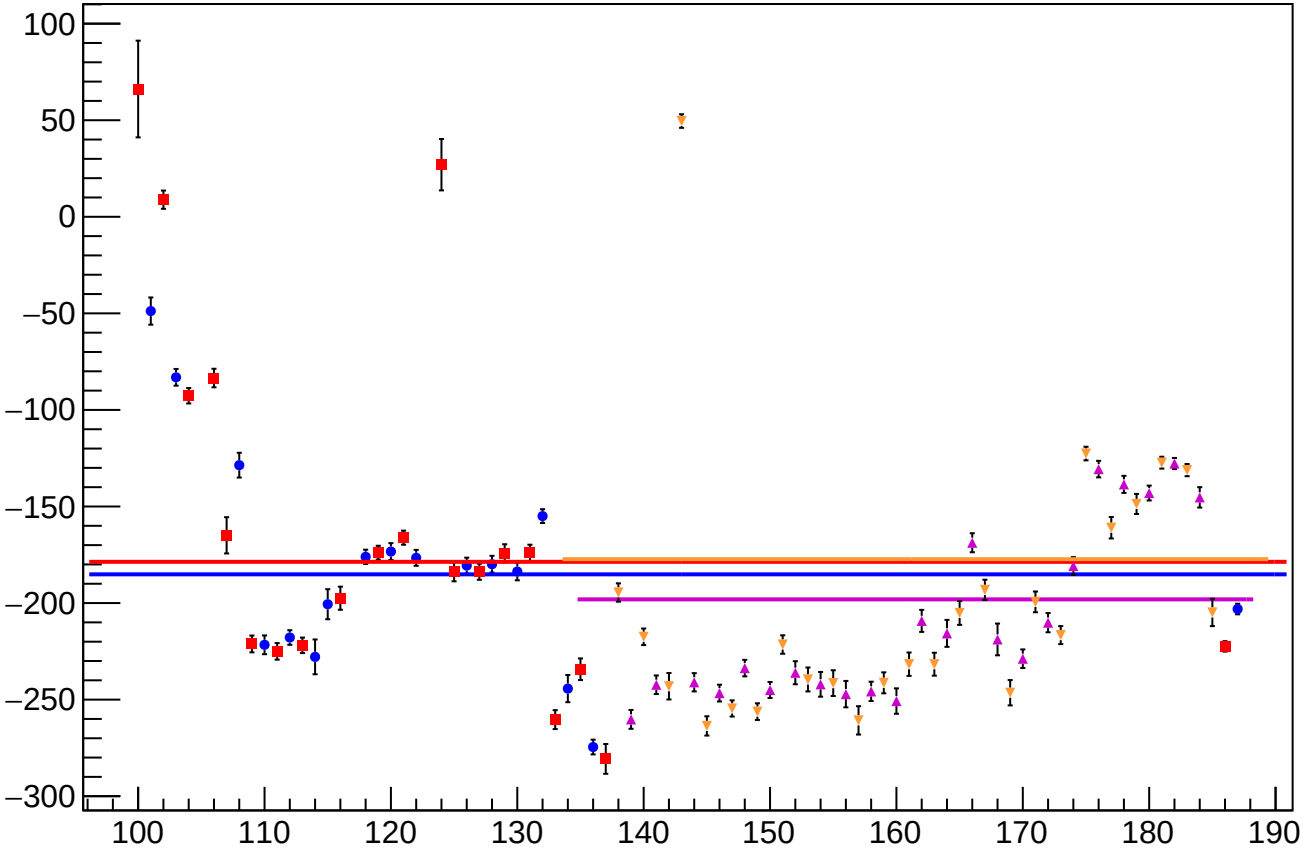
Right: 3.464+/-0.702 χ^2/NDF: 366.0/36

In: 4.224+/-0.610 χ^2/NDF:581.2/39

Out: 3.296+/-0.583 χ^2/NDF:583.9/44

All: 3.738+/-0.421 χ^2/NDF: 1166.3/84

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -185.134+/-1.063 χ^2/NDF: 1921.0/16

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -178.650+/-1.028 χ^2/NDF: 3934.4/19

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

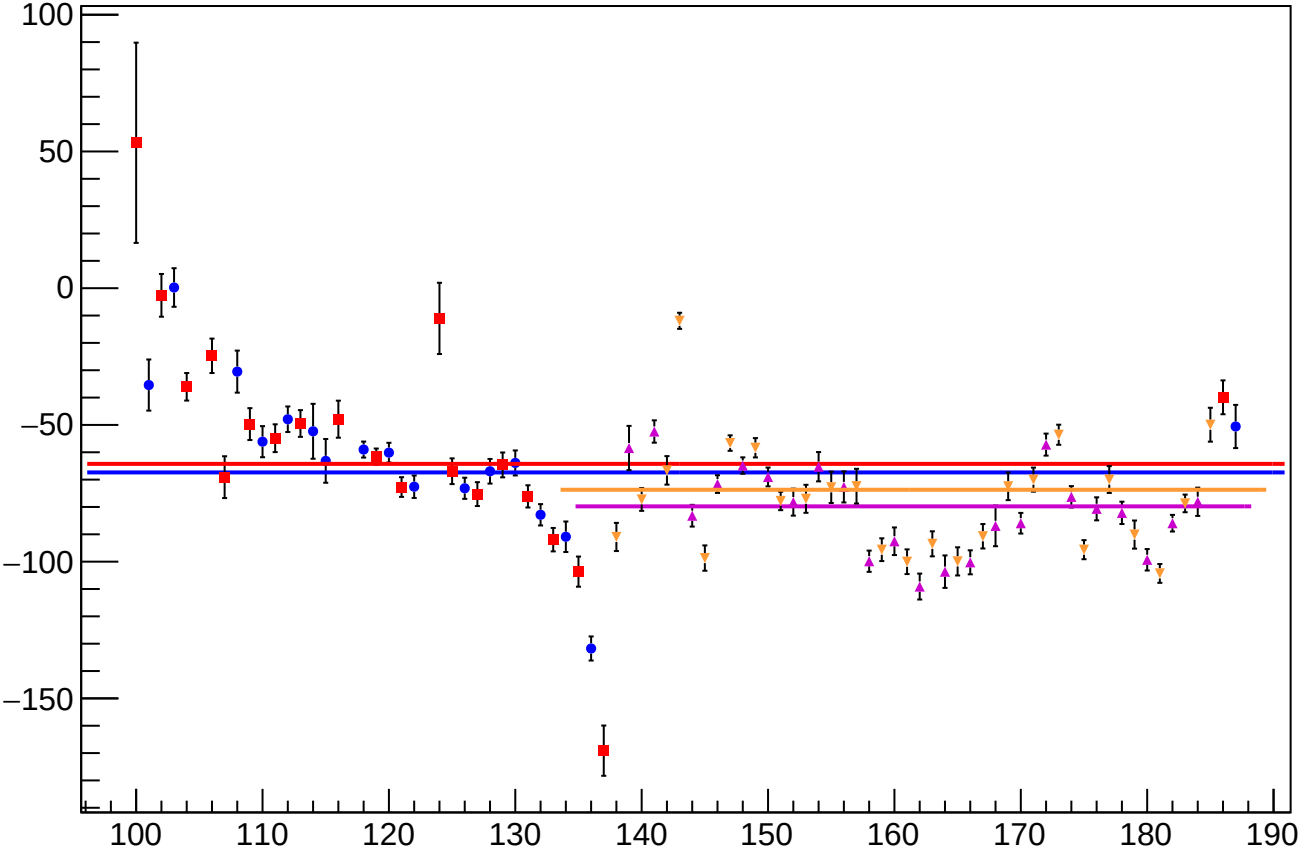
Right: -181.781+/-0.739 χ^2/NDF: 5874.7/36

In: -192.008+/-0.729 χ^2/NDF:4386.0/39

Out: -177.917+/-0.700 χ^2/NDF:10975.4/44

All: -184.682+/-0.505 χ^2/NDF: 15555.9/84

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.370+/-1.168 χ^2/NDF: 418.7/16

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -64.240+/-1.146 χ^2/NDF: 445.0/19

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

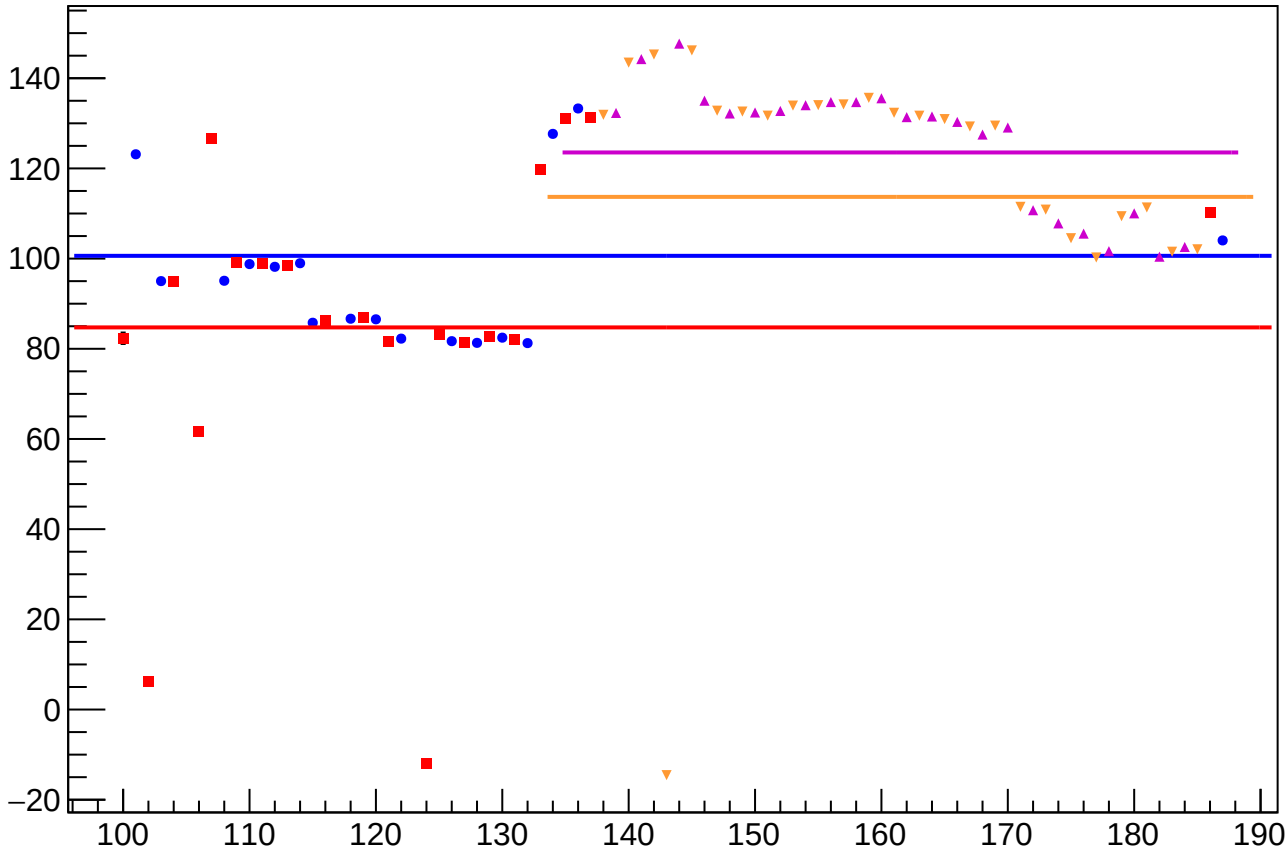
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -65.776+/-0.818 χ^2/NDF: 867.4/36

In: -75.324+/-0.700 χ^2/NDF:768.1/39

Out: -70.457+/-0.672 χ^2/NDF:1329.4/44

All: -72.790+/-0.485 χ^2/NDF: 2122.7/84



Right In: 100.614+/-0.073 χ^2/NDF: 67527.4/16

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 84.742+/-0.068 χ^2/NDF: 267185.3/19

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

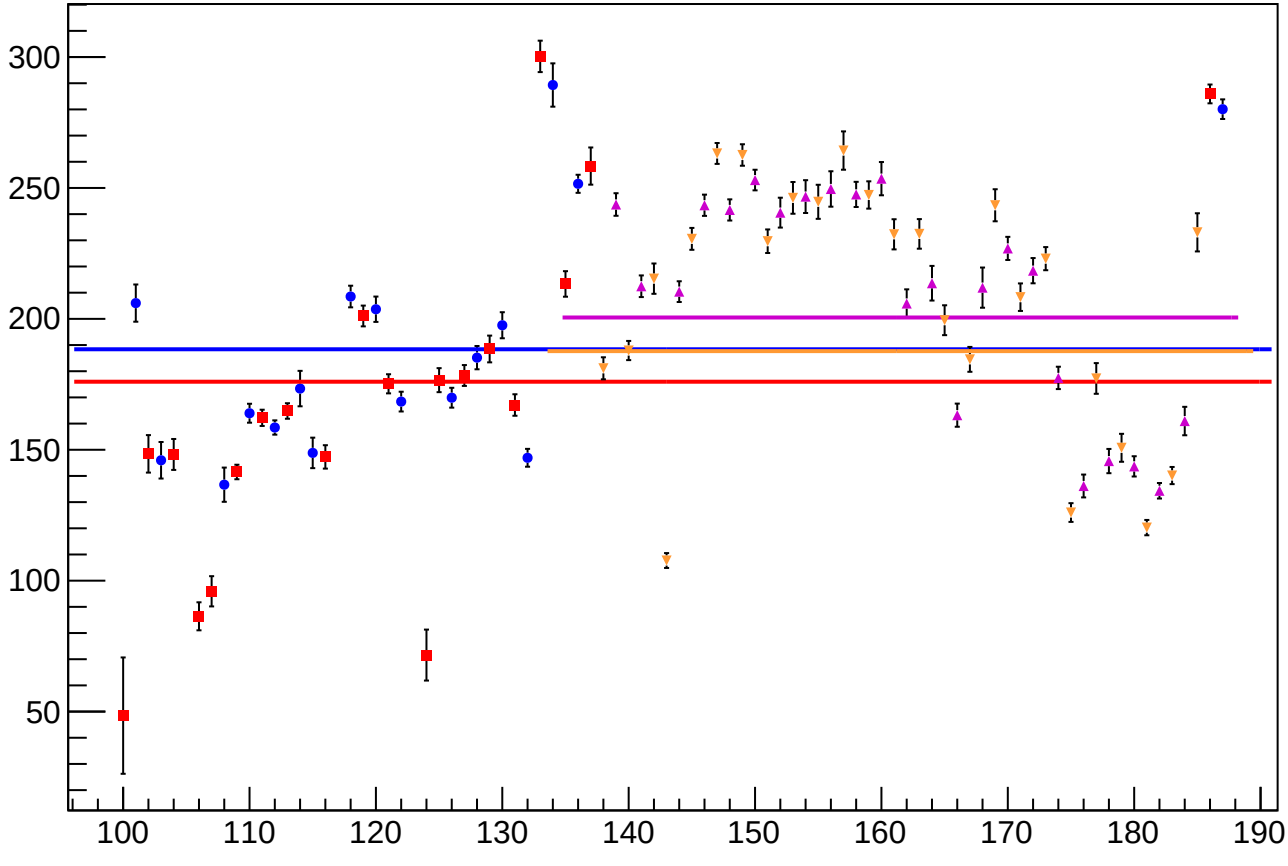
Right: 92.166+/-0.050 χ^2/NDF: 359922.9/36

In: 118.315+/-0.035 χ^2/NDF:278426.9/39

Out: 106.757+/-0.033 χ^2/NDF:1366670.3/44

All: 112.306+/-0.024 χ^2/NDF: 1702408.2/84

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 175.993+/-0.982 χ^2/NDF: 2498.3/19

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

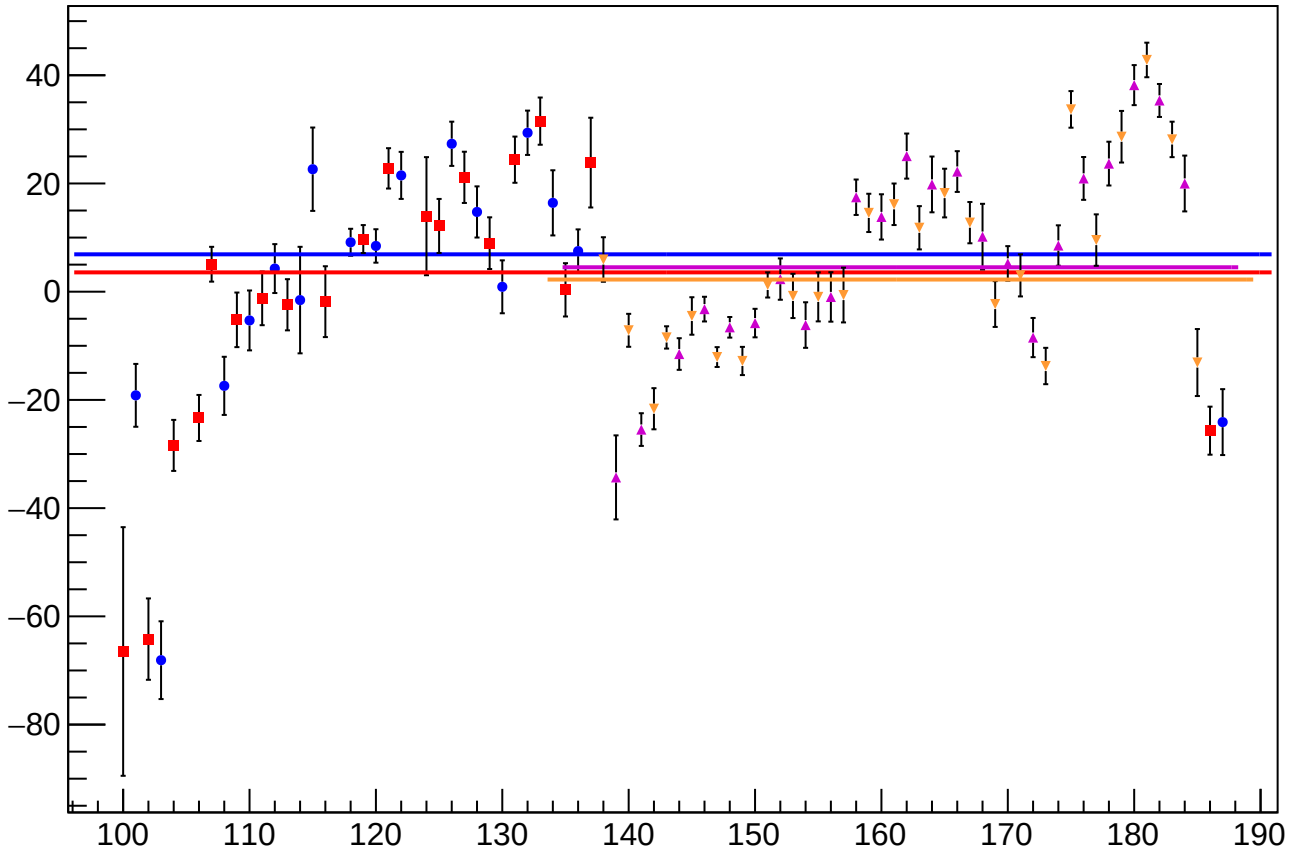
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 181.795+/-0.716 χ^2/NDF: 4215.5/36

In: 195.005+/-0.705 χ^2/NDF:3827.5/39

Out: 182.360+/-0.662 χ^2/NDF:6103.8/44

All: 188.287+/-0.483 χ^2/NDF: 10102.0/84



Right In: 6.906+/-1.095 χ^2/NDF: 259.7/16

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: 3.568+/-1.033 χ^2/NDF: 348.9/19

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

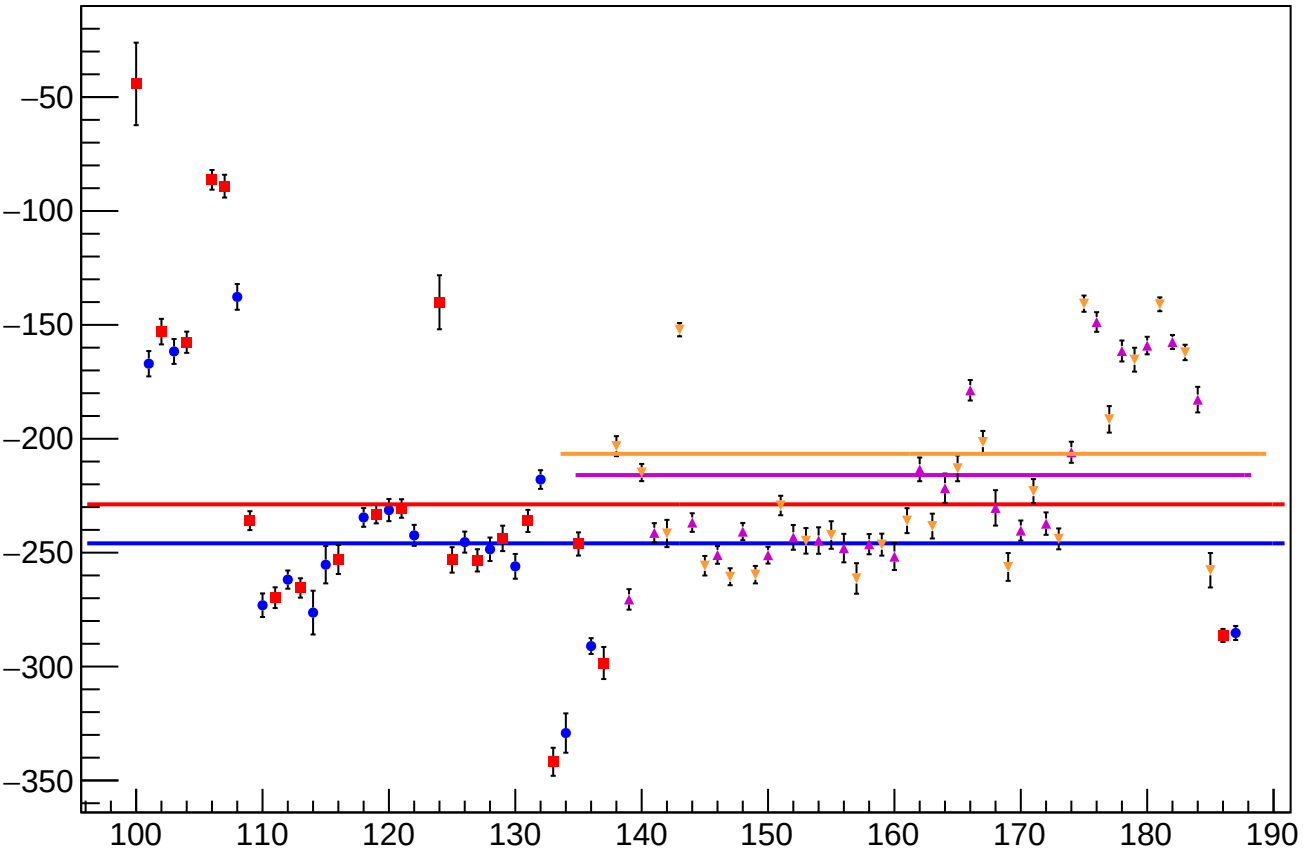
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 5.140+/-0.751 χ^2/NDF: 613.5/36

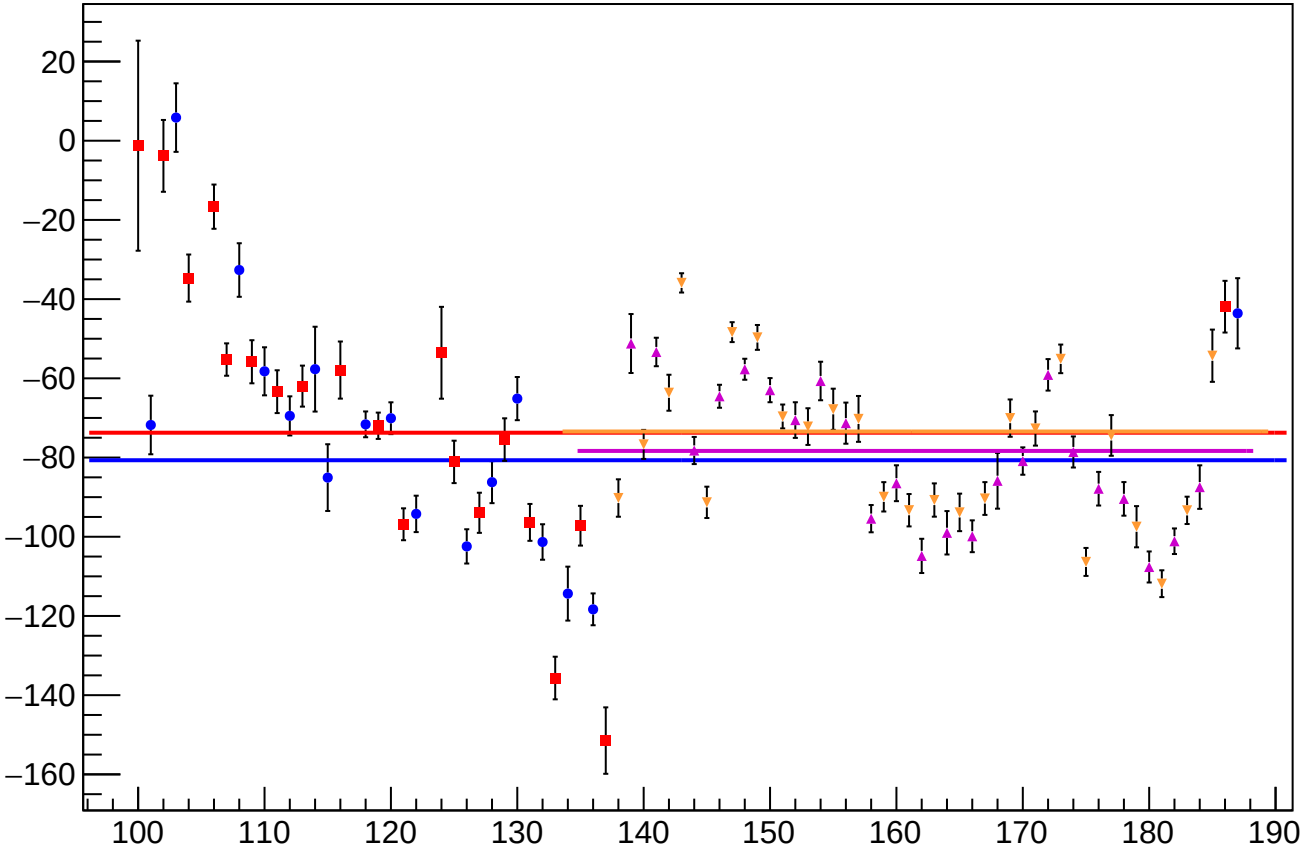
In: 5.227+/-0.598 χ^2/NDF:810.2/39

Out: 2.633+/-0.559 χ^2/NDF:950.9/44

All: 3.842+/-0.408 χ^2/NDF: 1771.1/84


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
180
190
Right In: -245.907+/-1.155 χ²/NDF: 1352.3/16
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -228.792+/-1.088 χ²/NDF: 3523.0/19
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -236.841+/-0.792 χ²/NDF: 4991.8/36
In: -227.978+/-0.732 χ²/NDF:3467.4/39
Out: -215.565+/-0.691 χ²/NDF:6238.7/44
All: -221.416+/-0.502 χ²/NDF: 9858.1/84

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -80.680+/-1.273 χ^2/NDF: 384.4/16

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -73.731+/-1.209 χ^2/NDF: 601.2/19

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

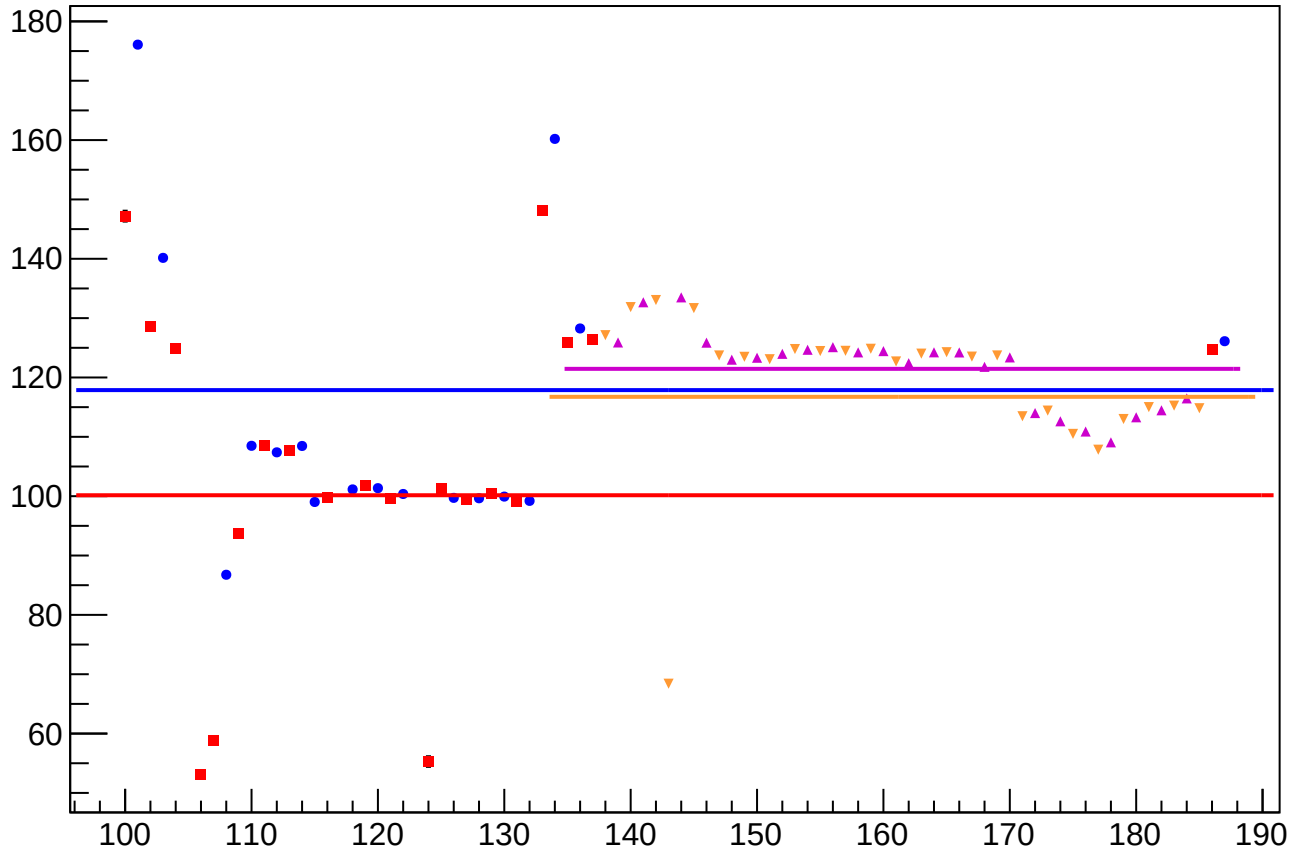
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -77.024+/-0.877 χ^2/NDF: 1001.3/36

In: -79.015+/-0.688 χ^2/NDF:830.0/39

Out: -73.514+/-0.648 χ^2/NDF:1437.8/44

All: -76.099+/-0.472 χ^2/NDF: 2301.8/84



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 100.158+/-0.070 χ^2/NDF: 169038.4/19

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

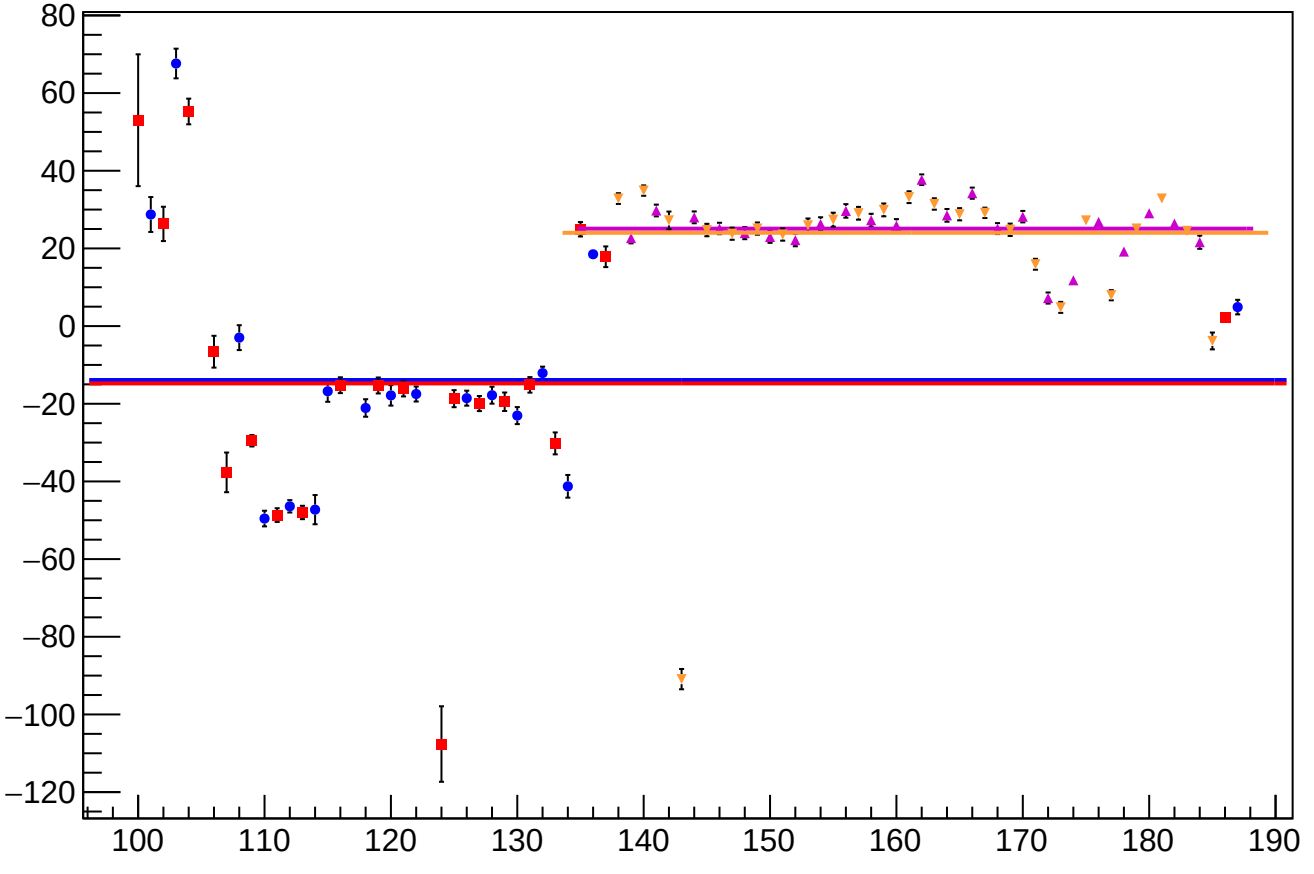
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 108.080+/-0.052 χ^2/NDF: 293759.4/36

In: 120.779+/-0.034 χ^2/NDF:126221.9/39

Out: 113.262+/-0.032 χ^2/NDF:417650.5/44

All: 116.822+/-0.023 χ^2/NDF: 570269.6/84



Right In: -13.890+/-0.518 χ^2/NDF: 2232.5/16

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -14.757+/-0.487 χ^2/NDF: 2345.9/19

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

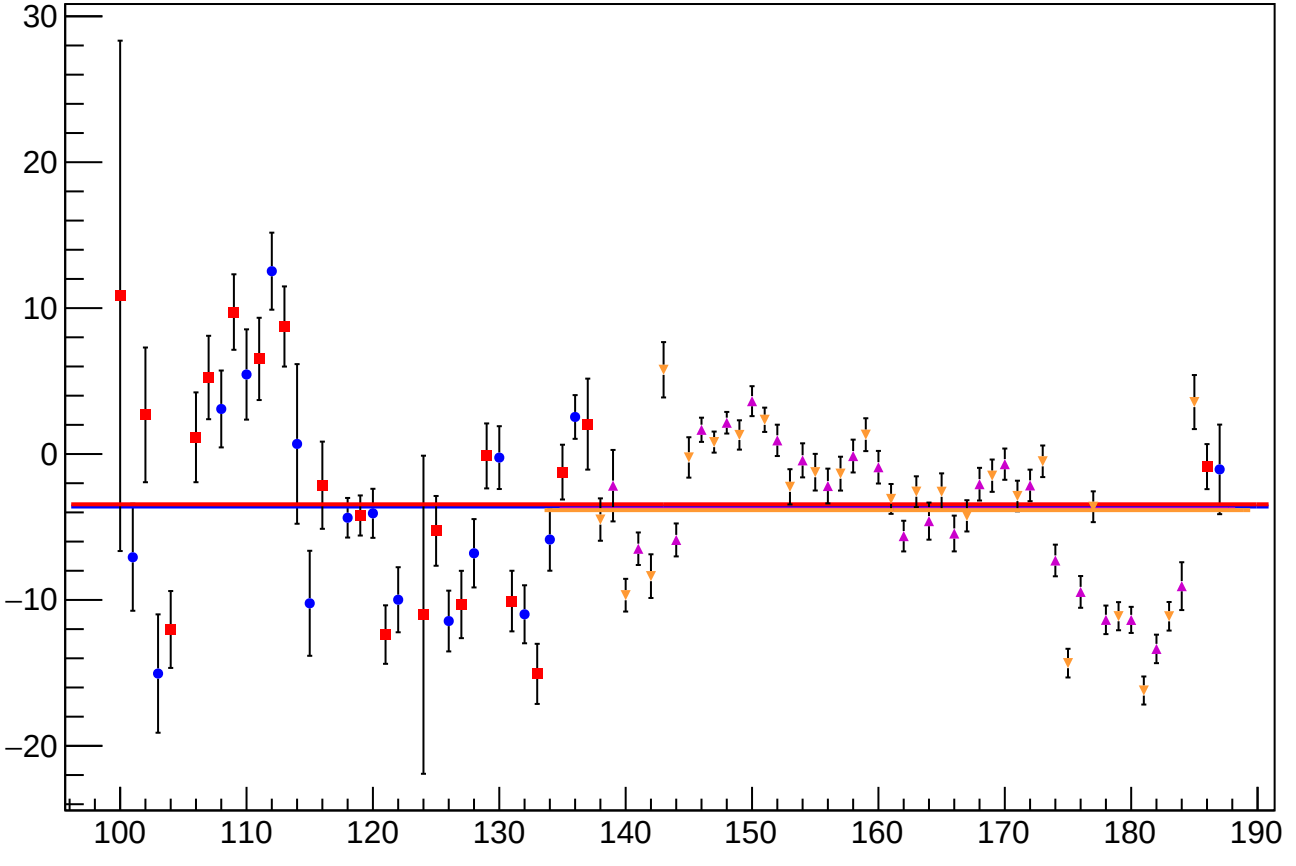
Right: -14.350+/-0.355 χ^2/NDF: 4579.9/36

In: 15.927+/-0.251 χ^2/NDF:7057.3/39

Out: 14.287+/-0.244 χ^2/NDF:9896.5/44

All: 15.083+/-0.175 χ^2/NDF: 16975.8/84

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.597+/-0.543 χ^2/NDF: 124.7/16

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -3.446+/-0.530 χ^2/NDF: 164.4/19

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

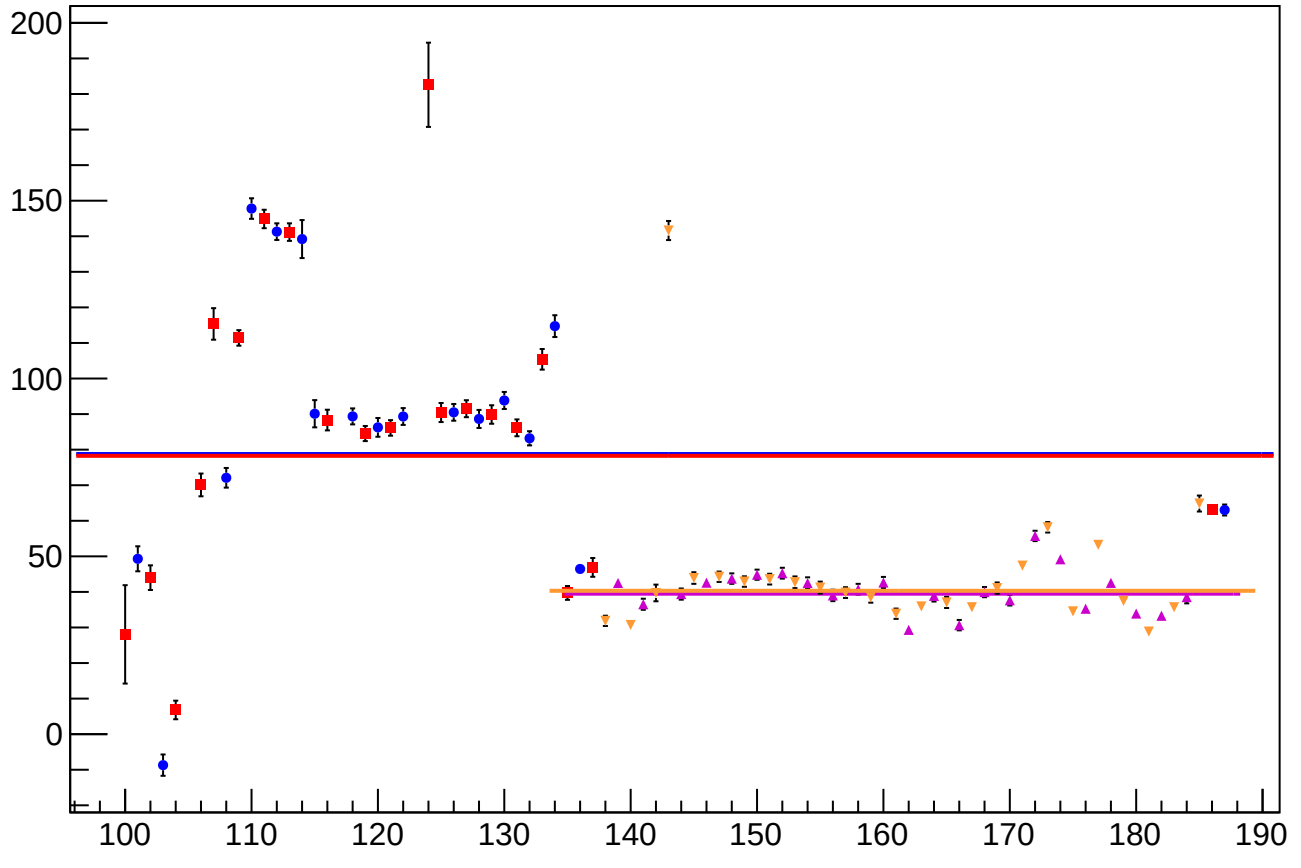
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -3.519+/-0.379 χ^2/NDF: 289.1/36

In: -3.753+/-0.207 χ^2/NDF:634.6/39

Out: -3.787+/-0.201 χ^2/NDF:814.2/44

All: -3.771+/-0.144 χ^2/NDF: 1448.9/84



Right In: 78.766+/-0.565 χ^2/NDF: 3350.7/16

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 78.264+/-0.524 χ^2/NDF: 3525.5/19

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

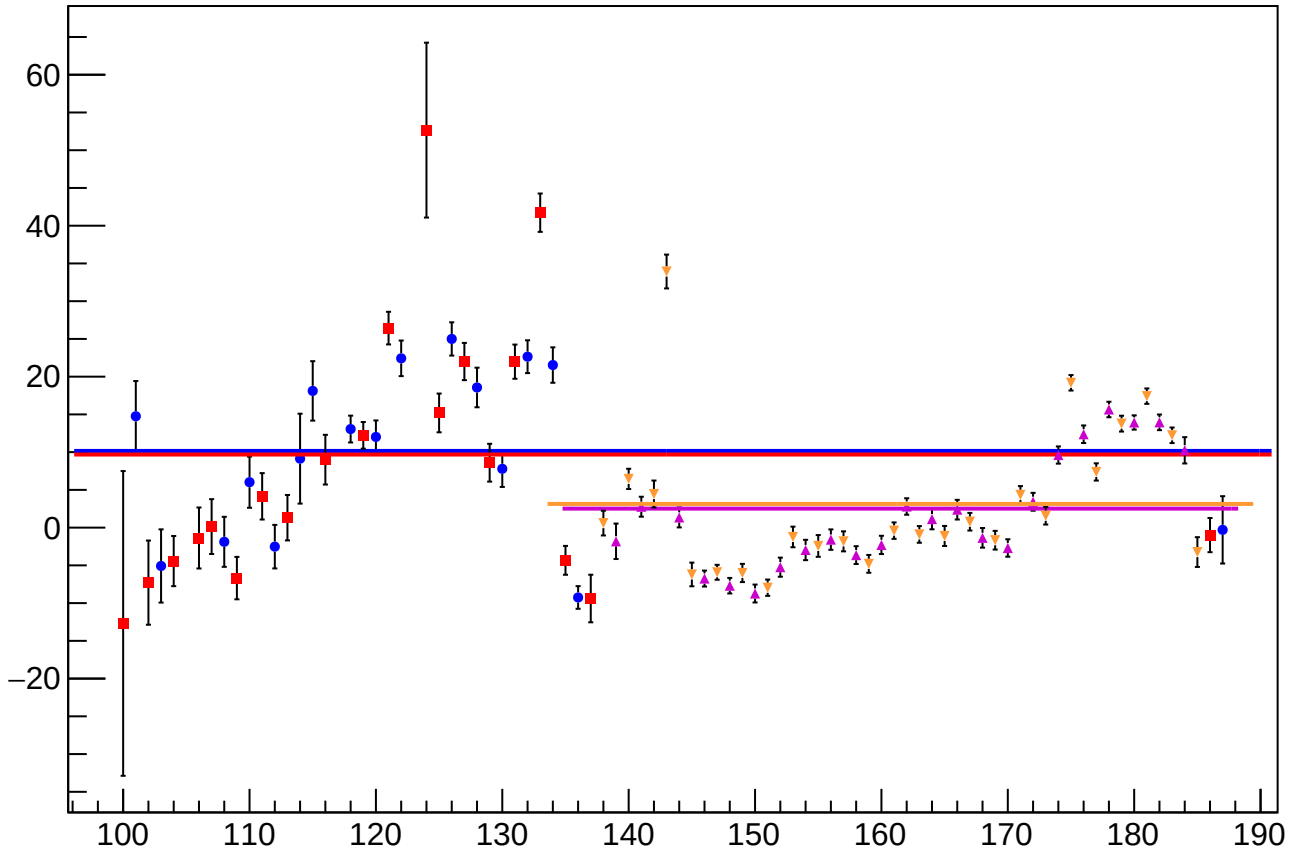
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

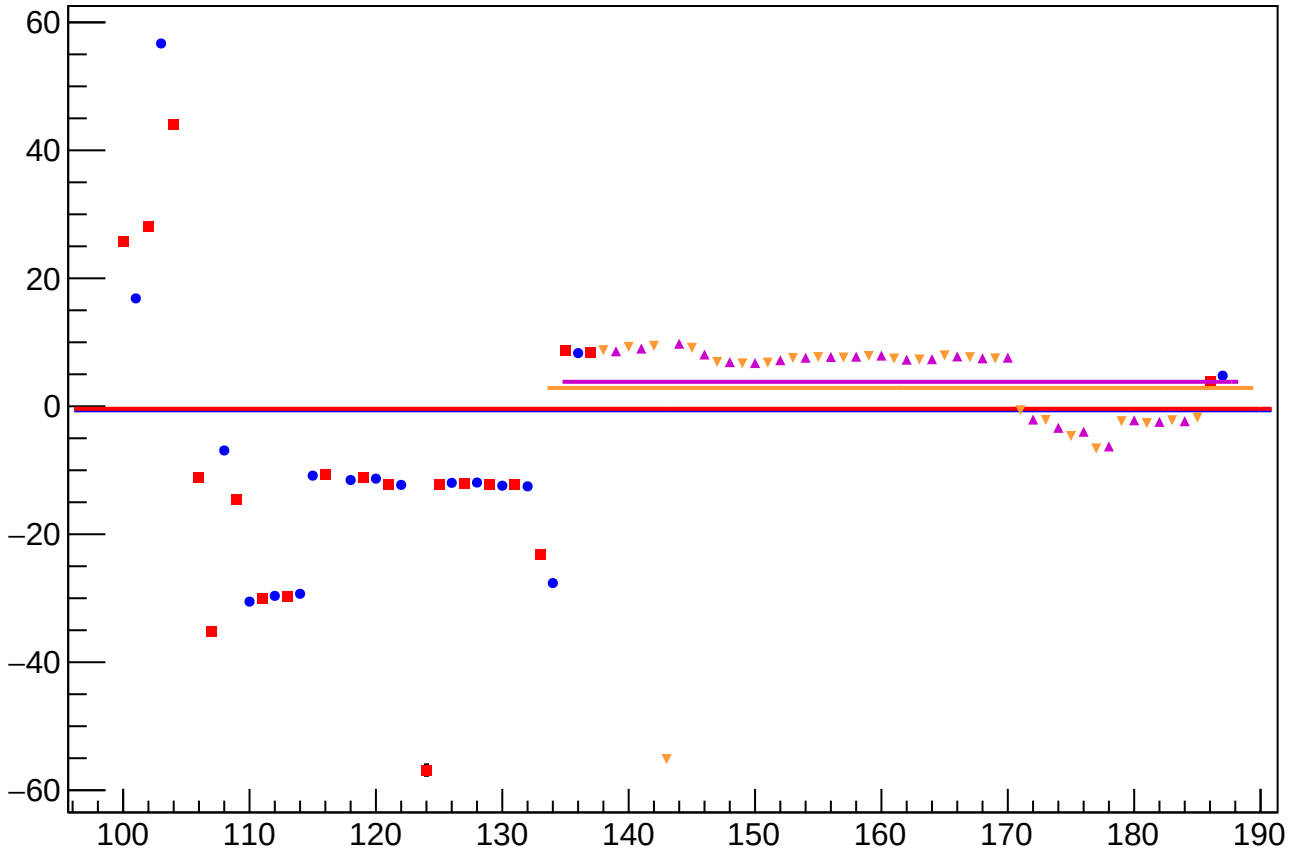
Right: 78.496+/-0.384 χ^2/NDF: 6876.7/36

In: 47.458+/-0.254 χ^2/NDF:7634.9/39

Out: 48.757+/-0.247 χ^2/NDF:9790.3/44

All: 48.126+/-0.177 χ^2/NDF: 17438.7/84


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 10.161+/-0.620 χ²/NDF: 365.4/16
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 9.684+/-0.616 χ²/NDF: 494.8/19
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
Left: 2.837+/-0.175 χ²/NDF: 2238.3/47
Right: 9.921+/-0.437 χ²/NDF: 860.5/36
In: 3.594+/-0.233 χ²/NDF:1463.9/39
Out: 4.038+/-0.228 χ²/NDF:1859.1/44
All: 3.820+/-0.163 χ²/NDF: 3324.9/84



Right In: -0.629+/-0.036 χ^2/NDF: 368491.5/16

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: -0.386+/-0.036 χ^2/NDF: 317232.9/19

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

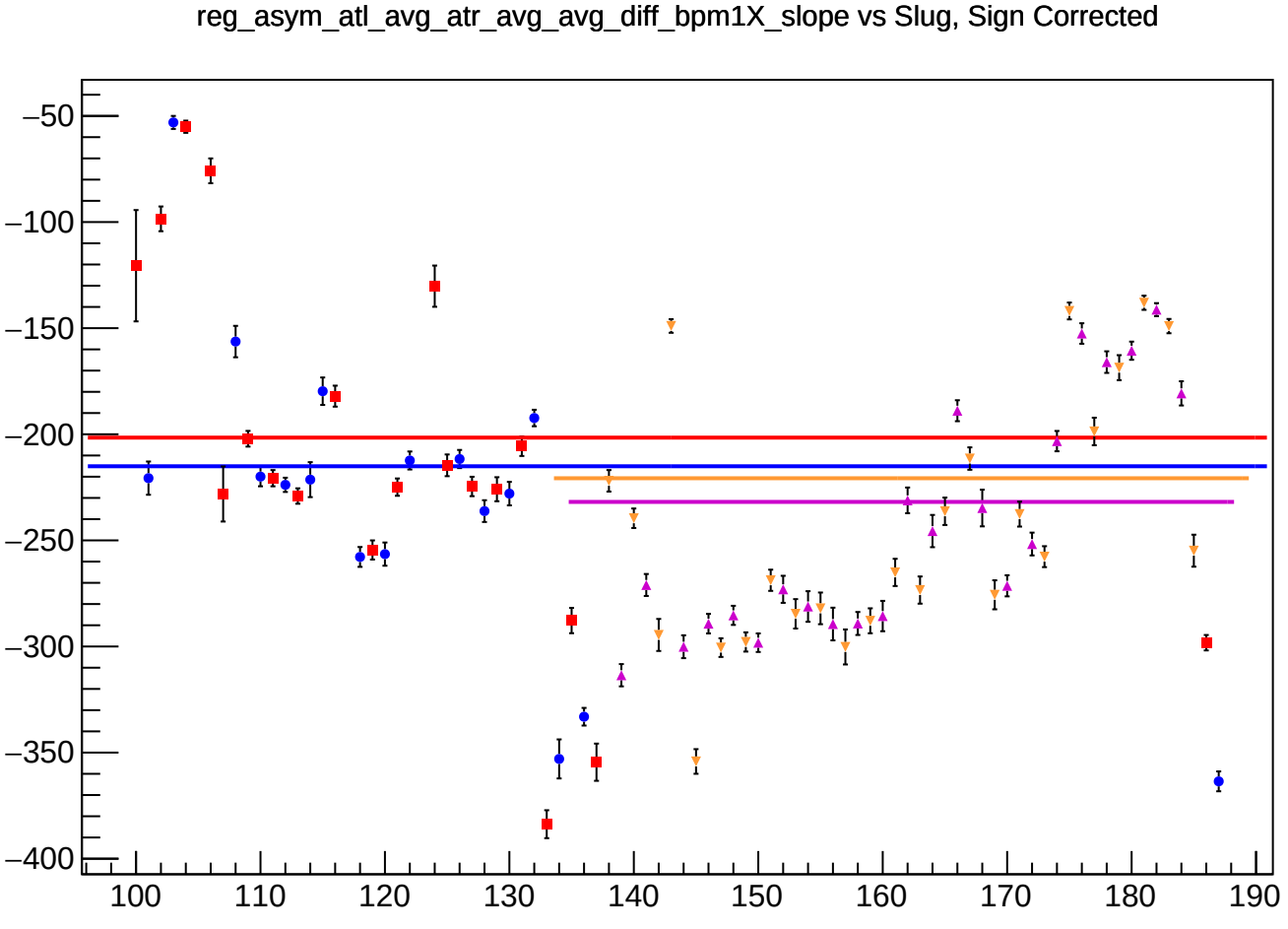
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: -0.510+/-0.025 χ^2/NDF: 685747.4/36

In: 3.428+/-0.011 χ^2/NDF:616056.1/39

Out: 2.597+/-0.011 χ^2/NDF:836917.6/44

All: 3.010+/-0.007 χ^2/NDF: 1456071.6/84



Right In: -215.077+/-1.149 χ^2/NDF: 5125.2/16

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -201.582+/-1.072 χ^2/NDF: 5746.0/19

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

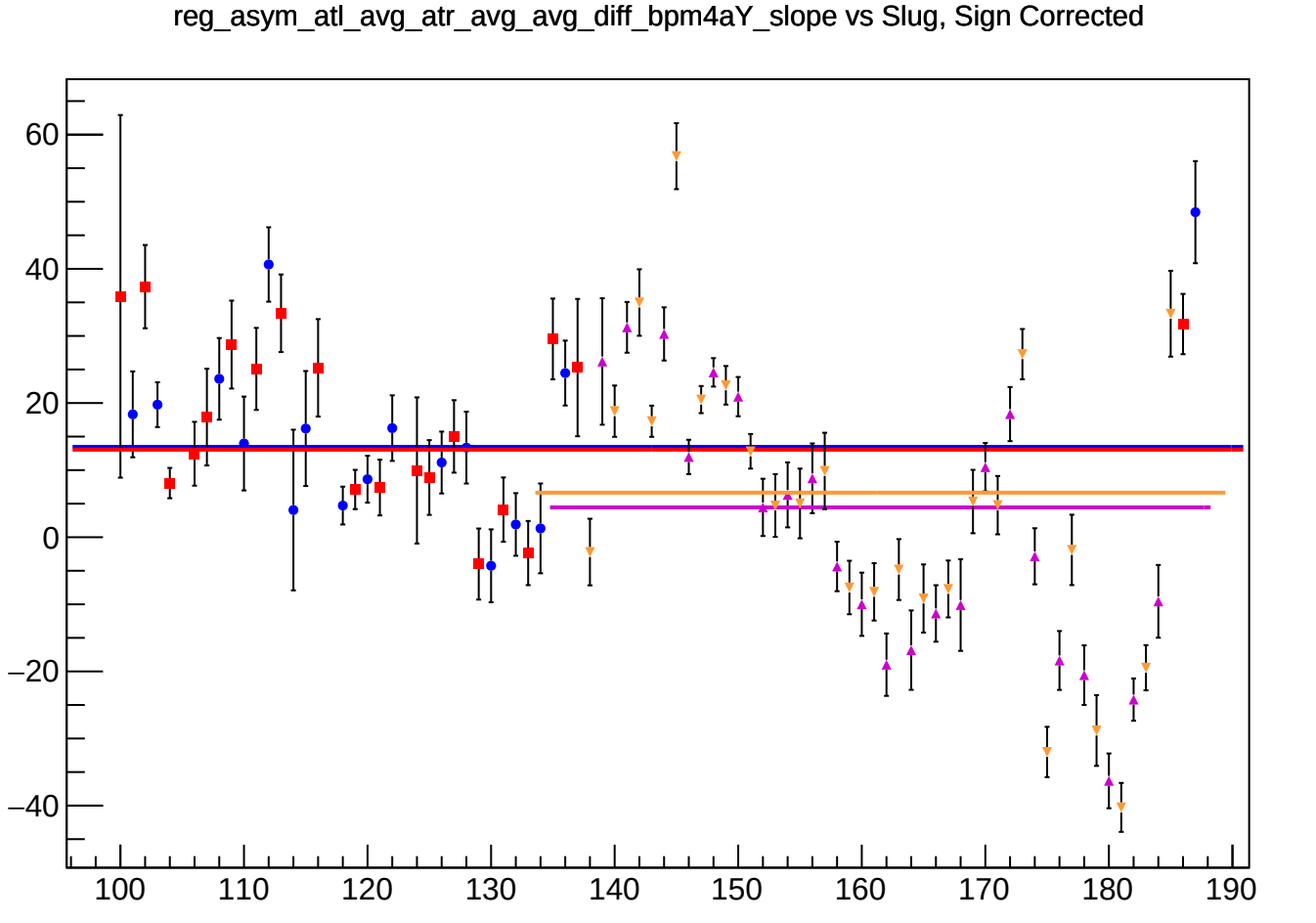
Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

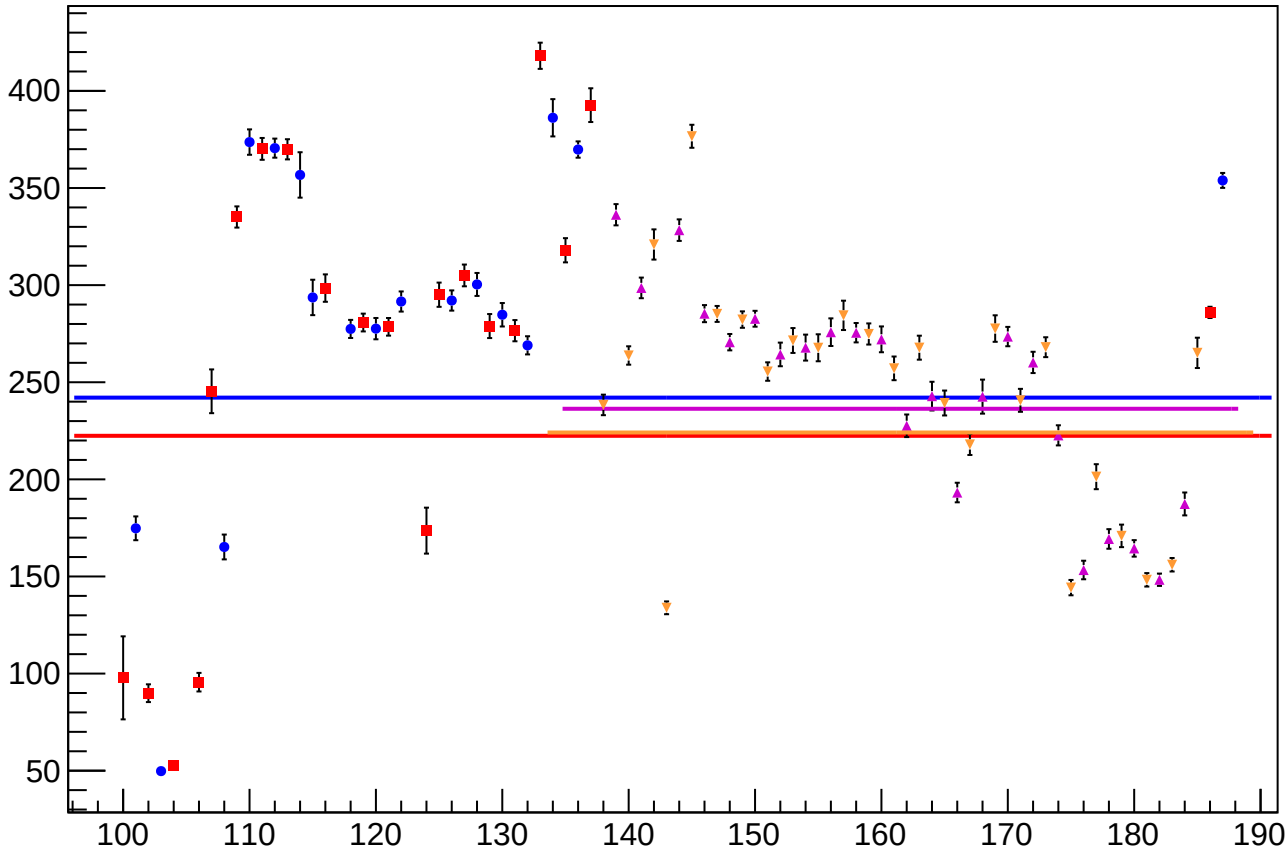
Right: -207.868+/-0.784 χ^2/NDF: 10945.0/36

In: -224.014+/-0.786 χ^2/NDF:8399.3/39

Out: -211.649+/-0.738 χ^2/NDF:9965.8/44

All: -217.449+/-0.538 χ^2/NDF: 18496.6/84


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
190
Right In: 13.466+/-1.188 χ²/NDF: 90.2/16
Left Out: 6.643+/-0.752 χ²/NDF:735.0/24
Right Out: 13.048+/-1.088 χ²/NDF: 103.4/19
Left In: 4.447+/-0.807 χ²/NDF:567.1/22
Left: 5.622+/-0.550 χ²/NDF: 1306.0/47
Right: 13.239+/-0.802 χ²/NDF: 193.6/36
In: 7.295+/-0.668 χ²/NDF:696.7/39
Out: 8.715+/-0.619 χ²/NDF:861.8/44
All: 8.059+/-0.454 χ²/NDF: 1560.9/84



Right In: 242.082+/-1.197 χ^2/NDF: 10311.1/16

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 222.423+/-1.105 χ^2/NDF: 12036.2/19

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

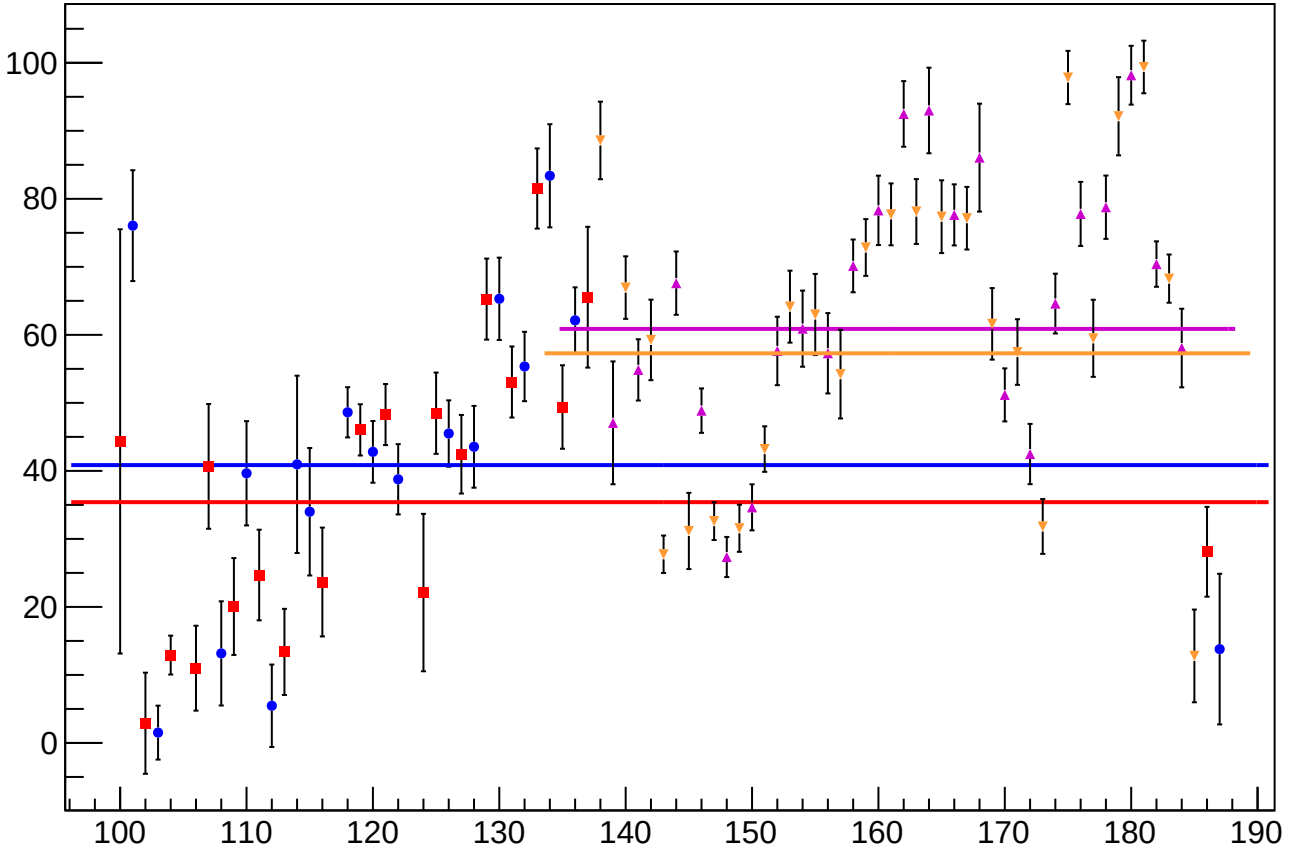
Right: 231.466+/-0.812 χ^2/NDF: 22493.0/36

In: 238.882+/-0.796 χ^2/NDF:13316.8/39

Out: 223.346+/-0.747 χ^2/NDF:16004.2/44

All: 230.617+/-0.545 χ^2/NDF: 29523.5/84

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.851+/-1.387 χ^2/NDF: 251.8/16

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 35.402+/-1.292 χ^2/NDF: 254.5/19

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

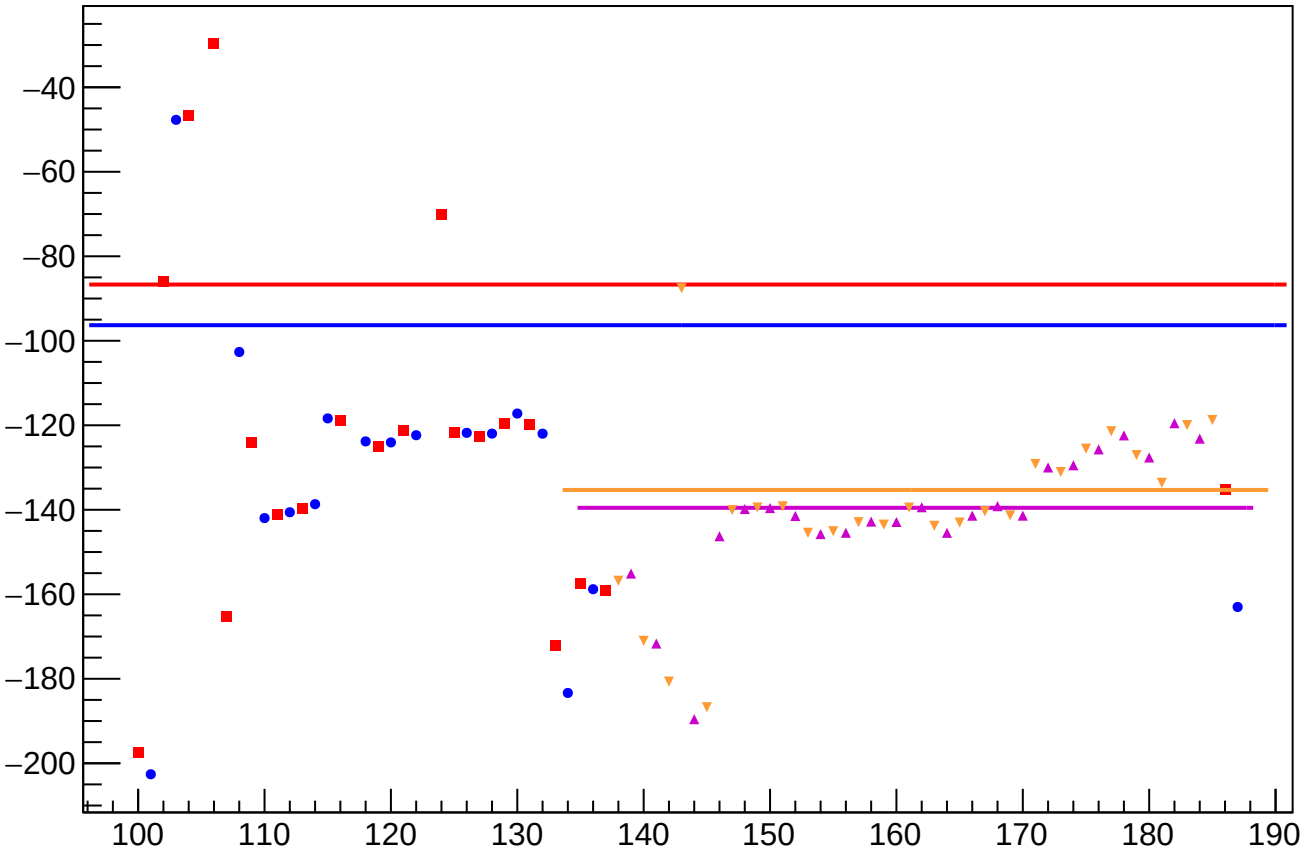
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 37.933+/-0.945 χ^2/NDF: 514.6/36

In: 54.732+/-0.768 χ^2/NDF:851.1/39

Out: 50.479+/-0.720 χ^2/NDF:1220.1/44

All: 52.469+/-0.525 χ^2/NDF: 2087.6/84



Right In: -96.312+/-0.069 χ^2/NDF: 531775.3/16

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -86.688+/-0.066 χ^2/NDF: 493312.9/19

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

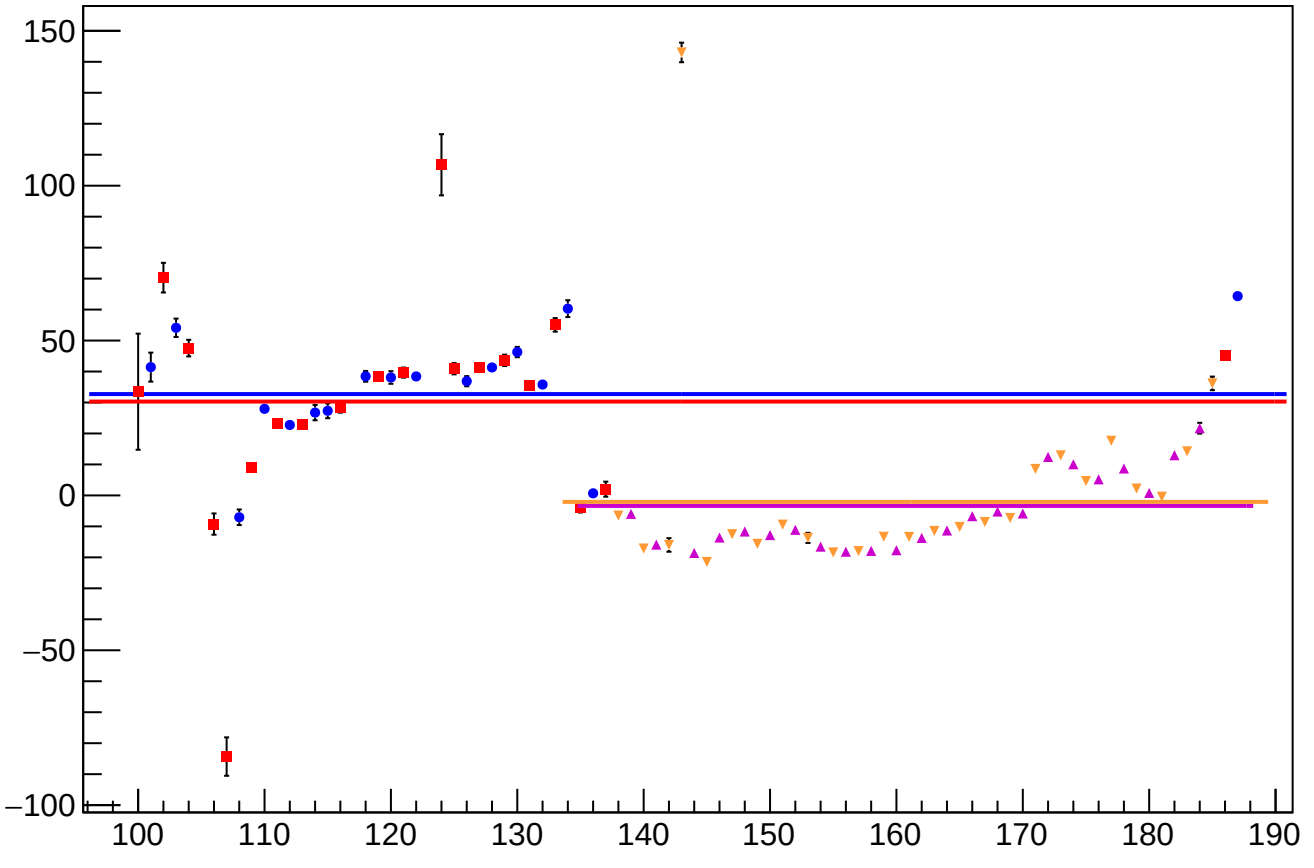
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -91.306+/-0.048 χ^2/NDF: 1035202.3/36

In: -127.808+/-0.036 χ^2/NDF:932038.5/39

Out: -122.054+/-0.035 χ^2/NDF:1147483.0/44

All: -124.822+/-0.025 χ^2/NDF: 2092819.1/84



Right In: 32.716+/-0.403 χ^2/NDF: 2023.1/16

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 30.300+/-0.370 χ^2/NDF: 2317.9/19

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

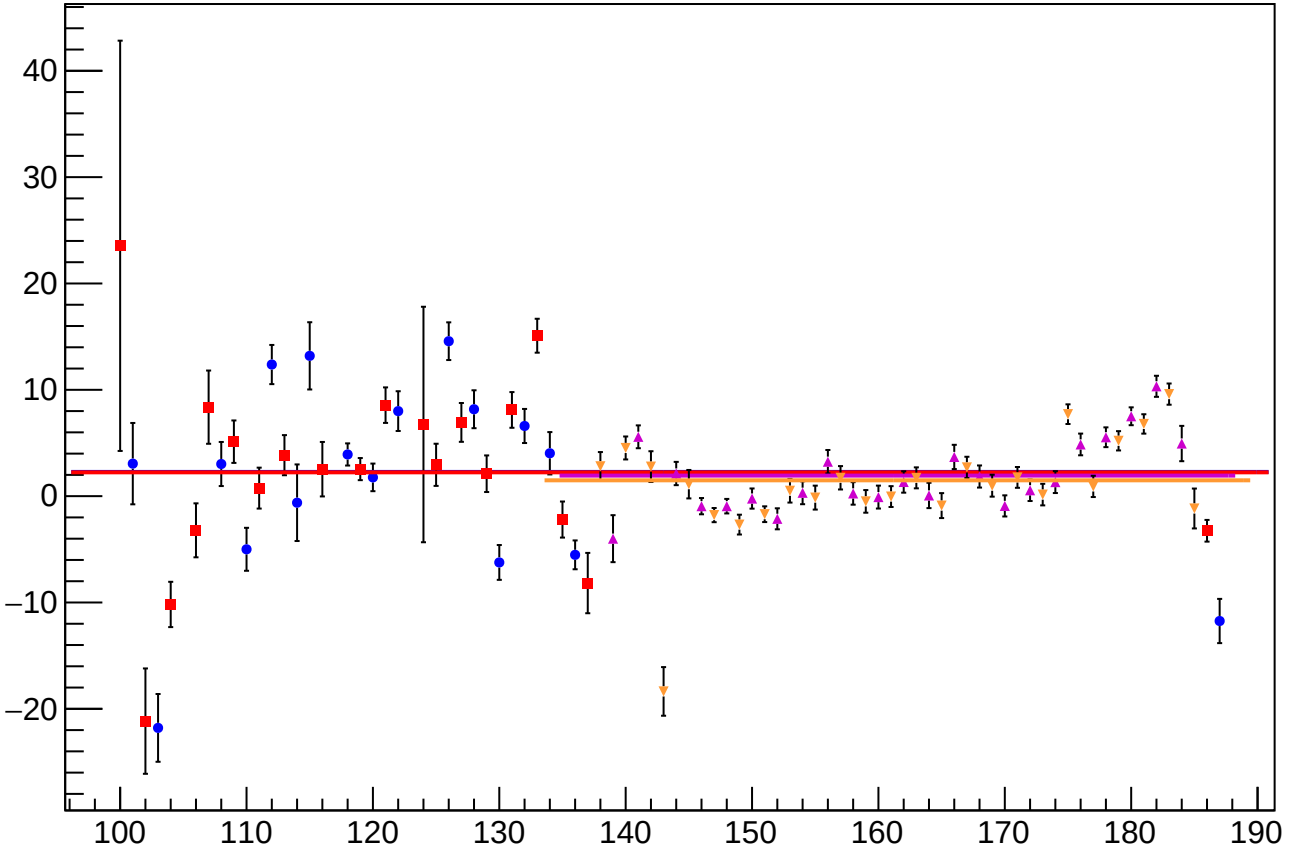
Right: 31.407+/-0.273 χ^2/NDF: 4360.5/36

In: 7.882+/-0.225 χ^2/NDF:9306.5/39

Out: 8.973+/-0.216 χ^2/NDF:11554.9/44

All: 8.449+/-0.156 χ^2/NDF: 20873.5/84

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.278+/-0.433 χ^2/NDF: 297.4/16

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 2.240+/-0.414 χ^2/NDF: 216.5/19

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

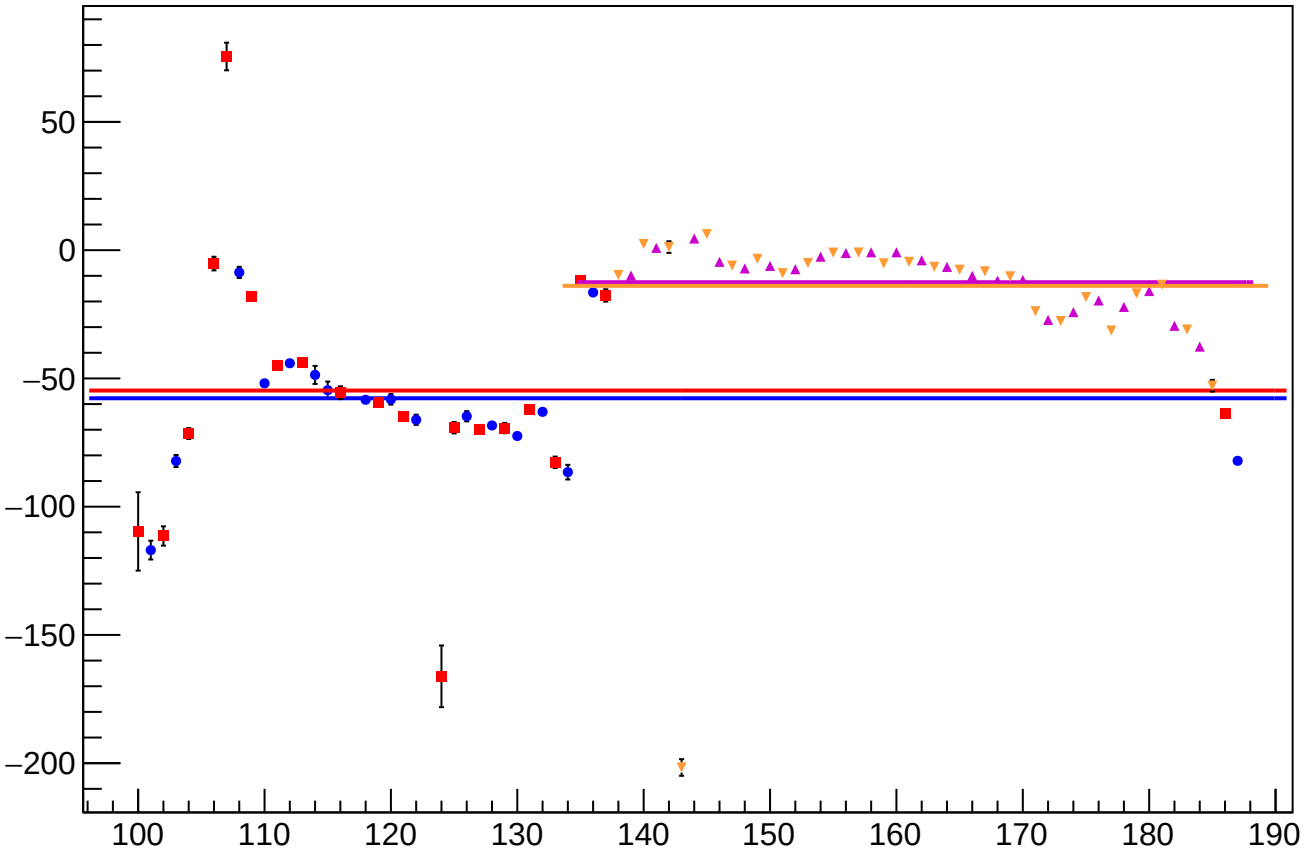
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: 2.258+/-0.299 χ^2/NDF: 514.0/36

In: 1.999+/-0.189 χ^2/NDF:538.6/39

Out: 1.636+/-0.184 χ^2/NDF:547.7/44

All: 1.812+/-0.132 χ^2/NDF: 1088.2/84



Right In: -57.734+/-0.442 χ^2/NDF: 2986.4/16

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -54.722+/-0.396 χ^2/NDF: 3294.6/19

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

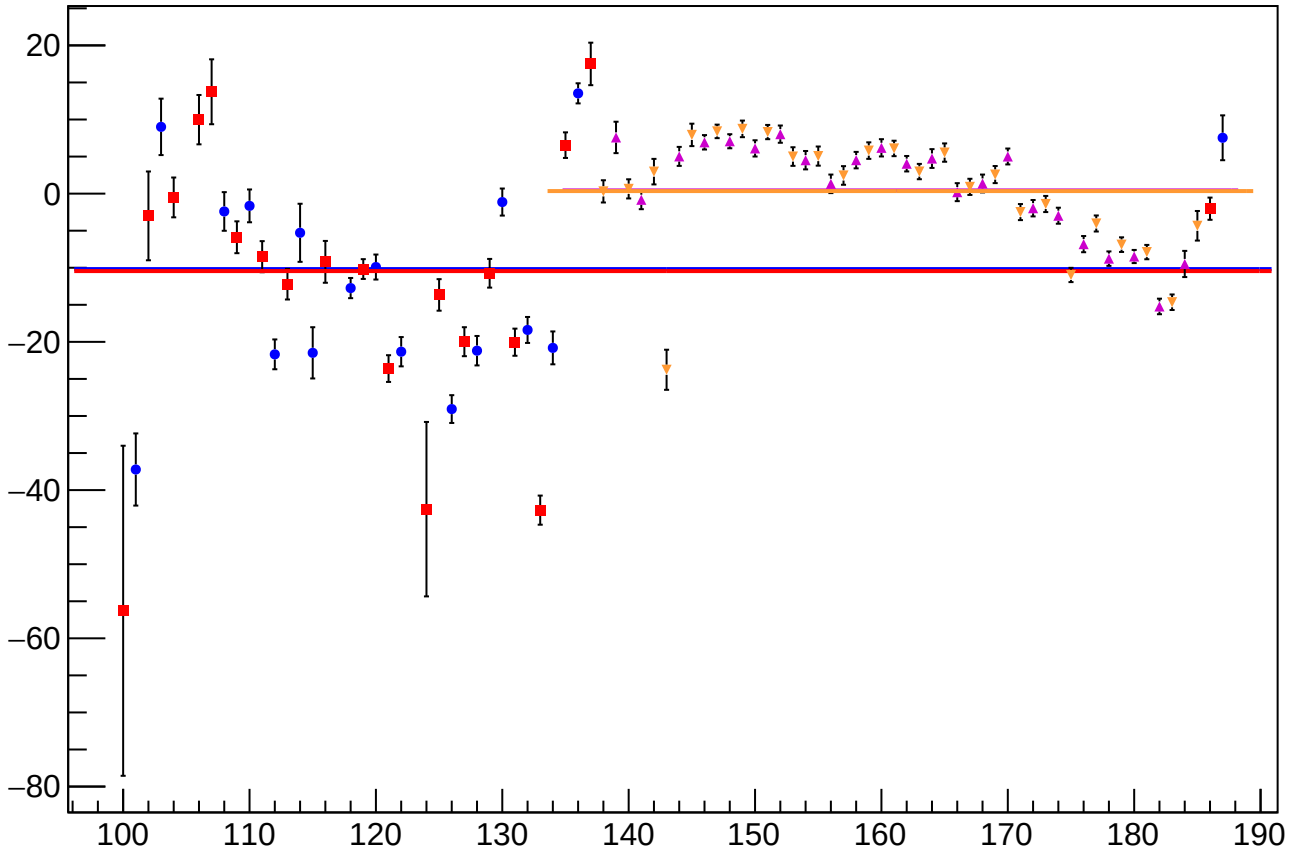
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -56.062+/-0.295 χ^2/NDF: 6306.8/36

In: -24.688+/-0.230 χ^2/NDF:12057.1/39

Out: -26.515+/-0.220 χ^2/NDF:15766.5/44

All: -25.640+/-0.159 χ^2/NDF: 27856.6/84



Right In: -10.181+/-0.499 χ^2/NDF: 701.6/16

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -10.450+/-0.488 χ^2/NDF: 701.1/19

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

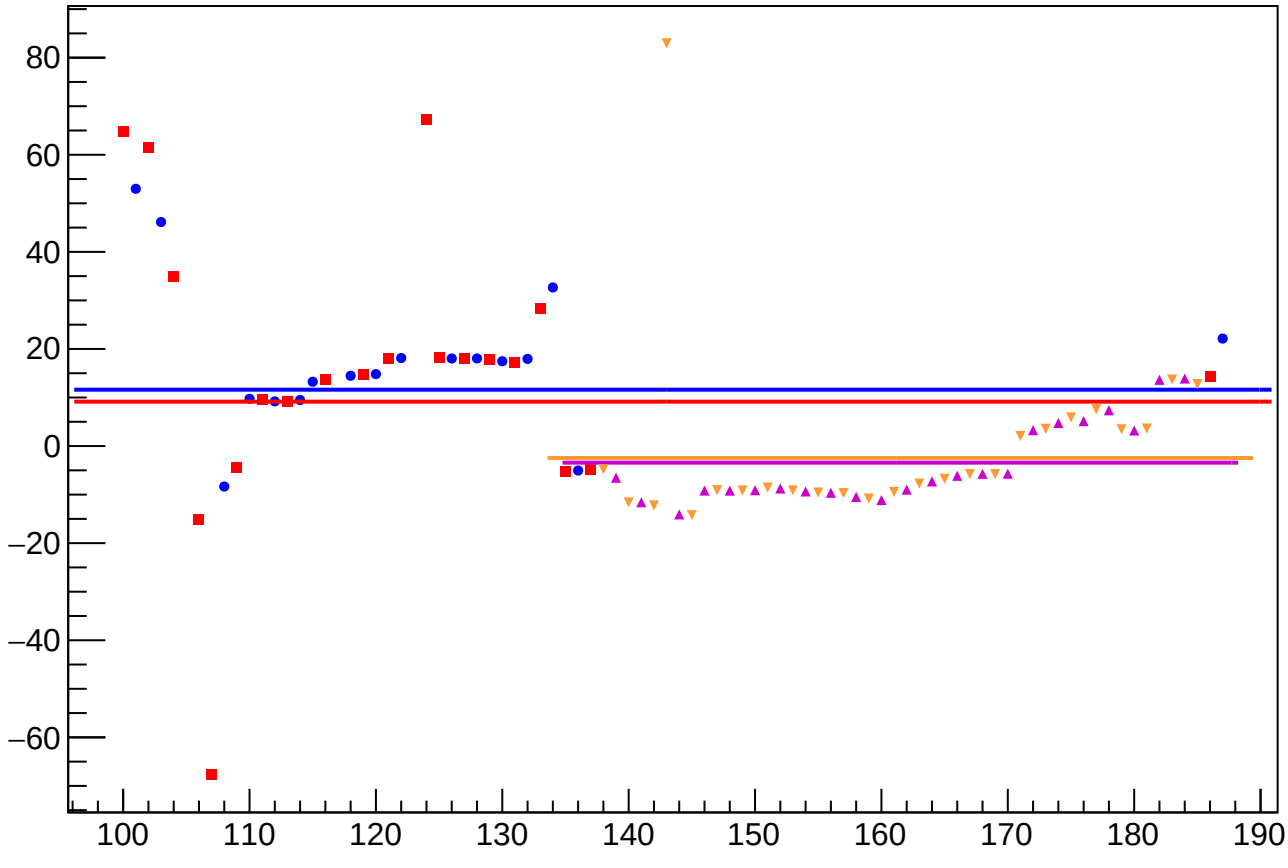
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -10.318+/-0.349 χ^2/NDF: 1402.8/36

In: -1.519+/-0.214 χ^2/NDF:1853.6/39

Out: -1.636+/-0.209 χ^2/NDF:2022.7/44

All: -1.579+/-0.149 χ^2/NDF: 3876.4/84



Right In: 11.611+/-0.029 χ^2/NDF: 353395.2/16

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 9.149+/-0.030 χ^2/NDF: 438769.4/19

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

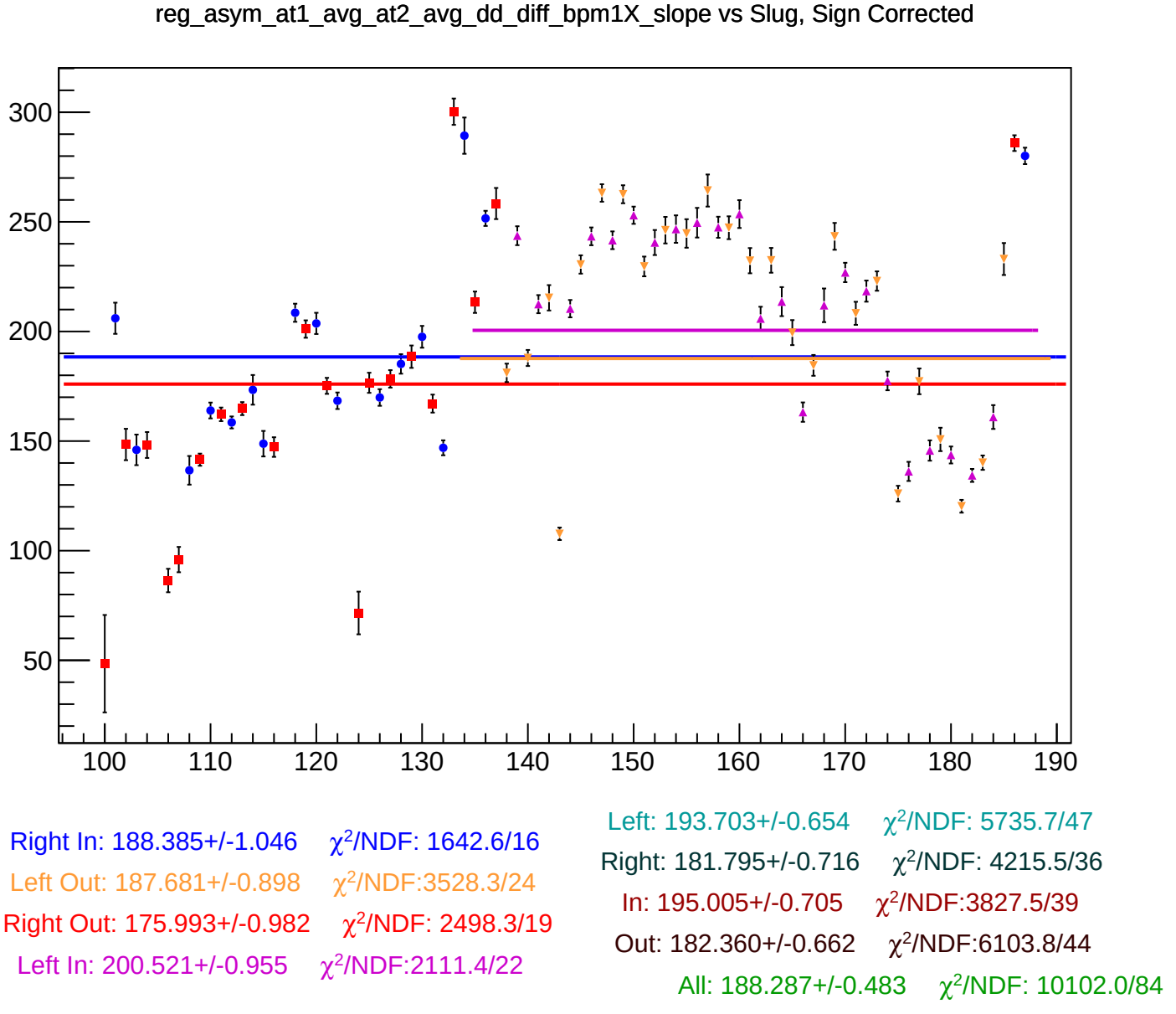
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 10.409+/-0.021 χ^2/NDF: 795574.1/36

In: -1.741+/-0.010 χ^2/NDF:1131428.2/39

Out: -1.229+/-0.010 χ^2/NDF:1532997.1/44

All: -1.484+/-0.007 χ^2/NDF: 2665786.3/84


reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
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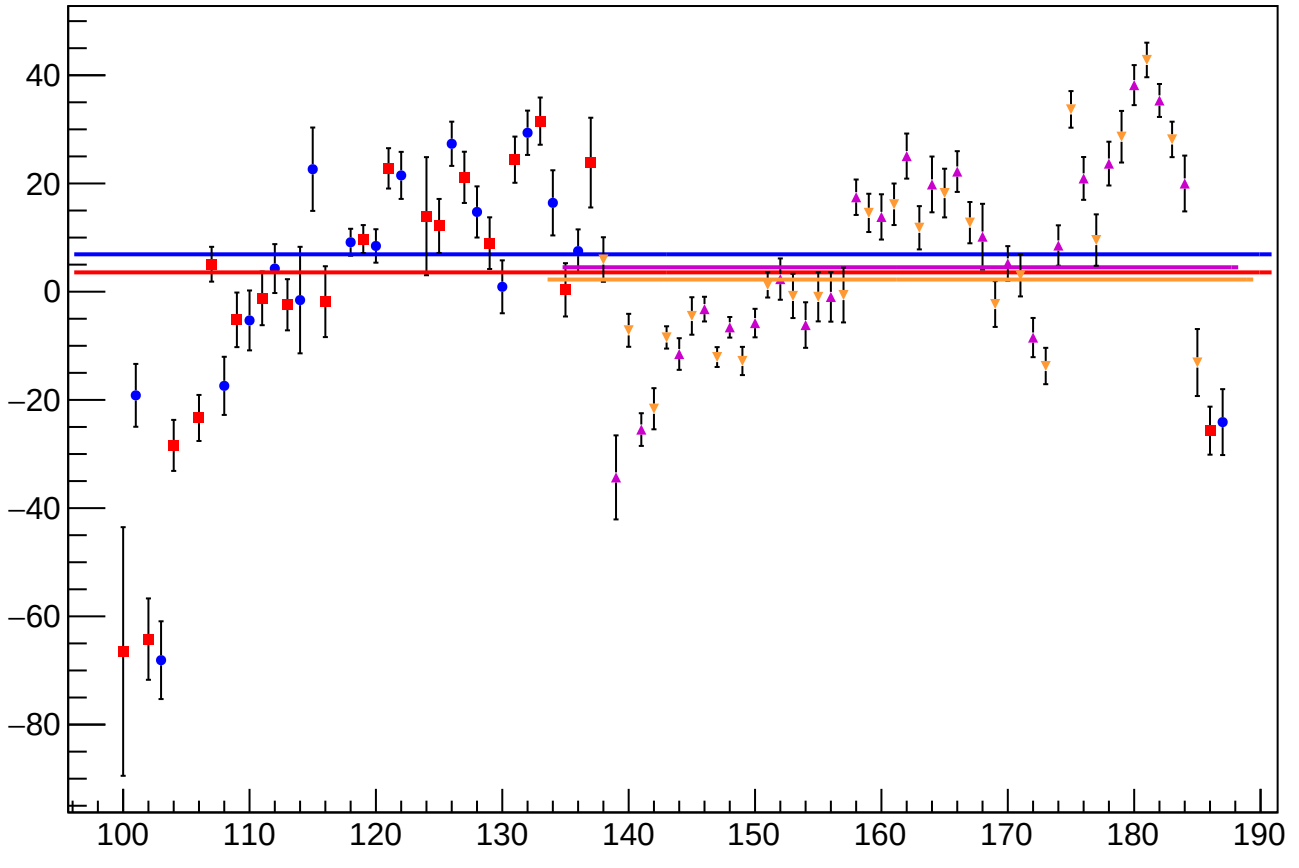
110
120
130
140
150
160
170
180
190
Right In: 188.385+/-1.046 χ2/NDF: 1642.6/16
Left Out: 187.681+/-0.898 χ2/NDF:3528.3/24
Right Out: 175.993+/-0.982 χ2/NDF: 2498.3/19
Left In: 200.521+/-0.955 χ2/NDF:2111.4/22
Left: 193.703+/-0.654 χ2/NDF: 5735.7/47
Right: 181.795+/-0.716 χ2/NDF: 4215.5/36
In: 195.005+/-0.705 χ2/NDF:3827.5/39
Out: 182.360+/-0.662 χ2/NDF:6103.8/44
All: 188.287+/-0.483 χ2/NDF: 10102.0/84



Right In: 6.906+/-1.095 χ^2/NDF: 259.7/16

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: 3.568+/-1.033 χ^2/NDF: 348.9/19

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

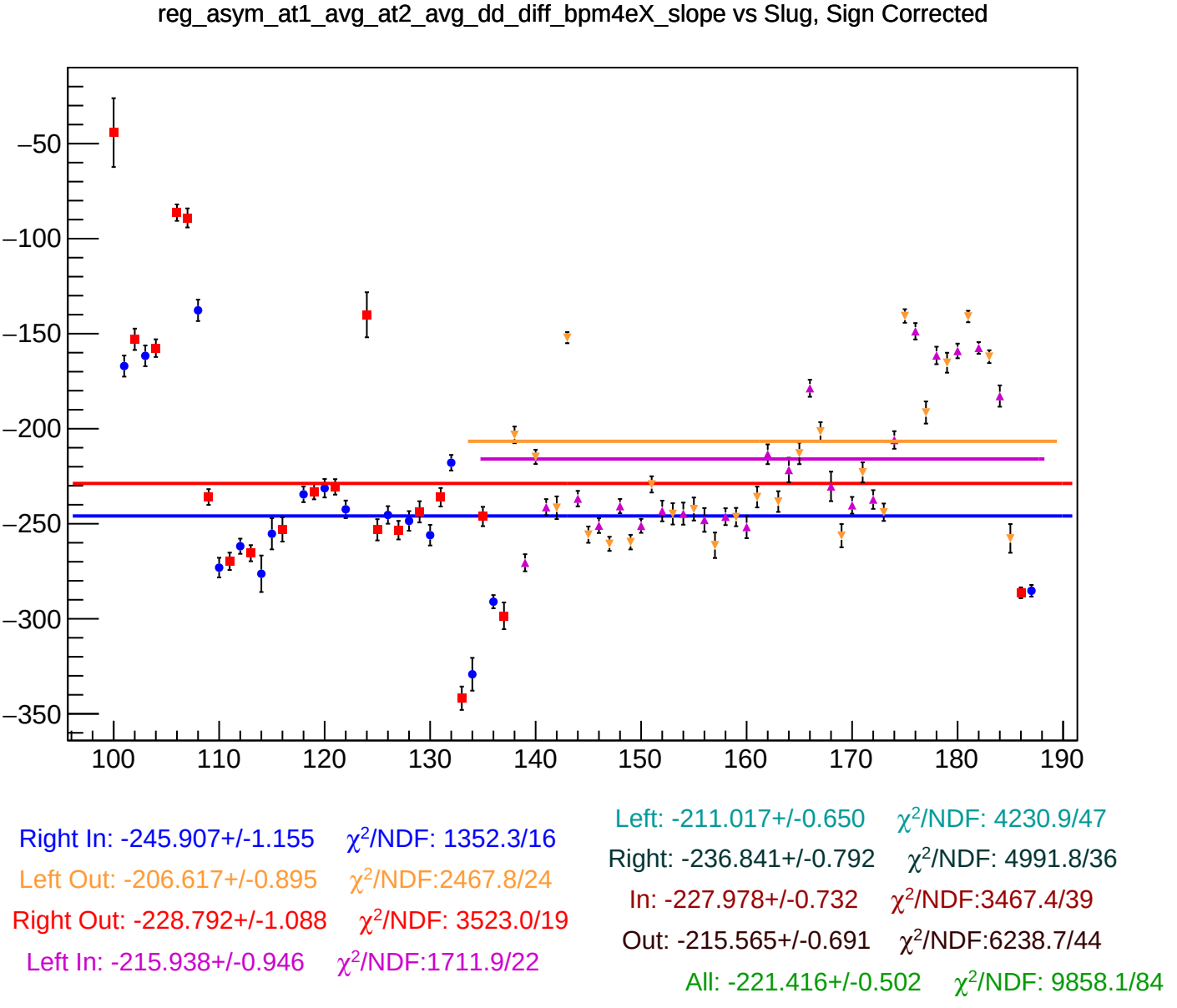
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 5.140+/-0.751 χ^2/NDF: 613.5/36

In: 5.227+/-0.598 χ^2/NDF:810.2/39

Out: 2.633+/-0.559 χ^2/NDF:950.9/44

All: 3.842+/-0.408 χ^2/NDF: 1771.1/84


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
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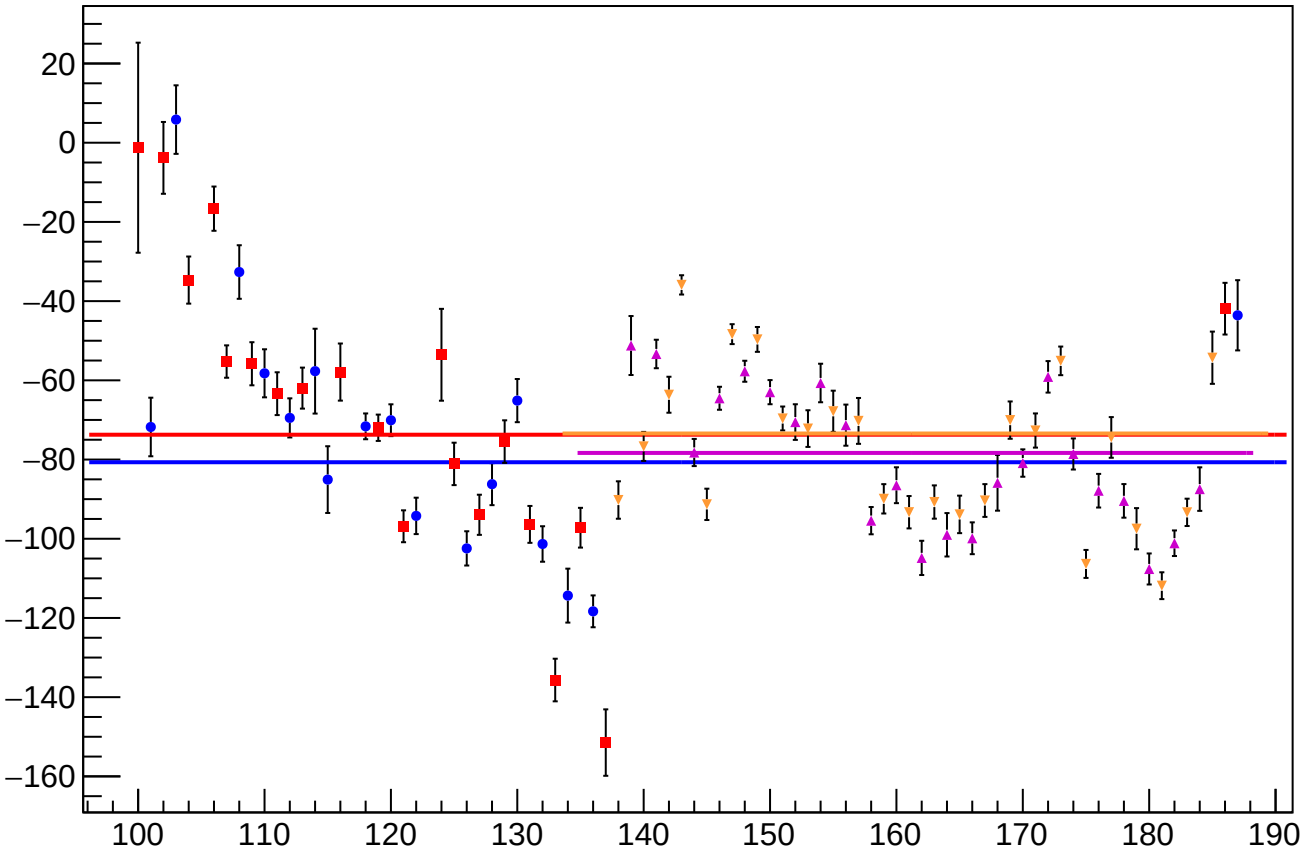
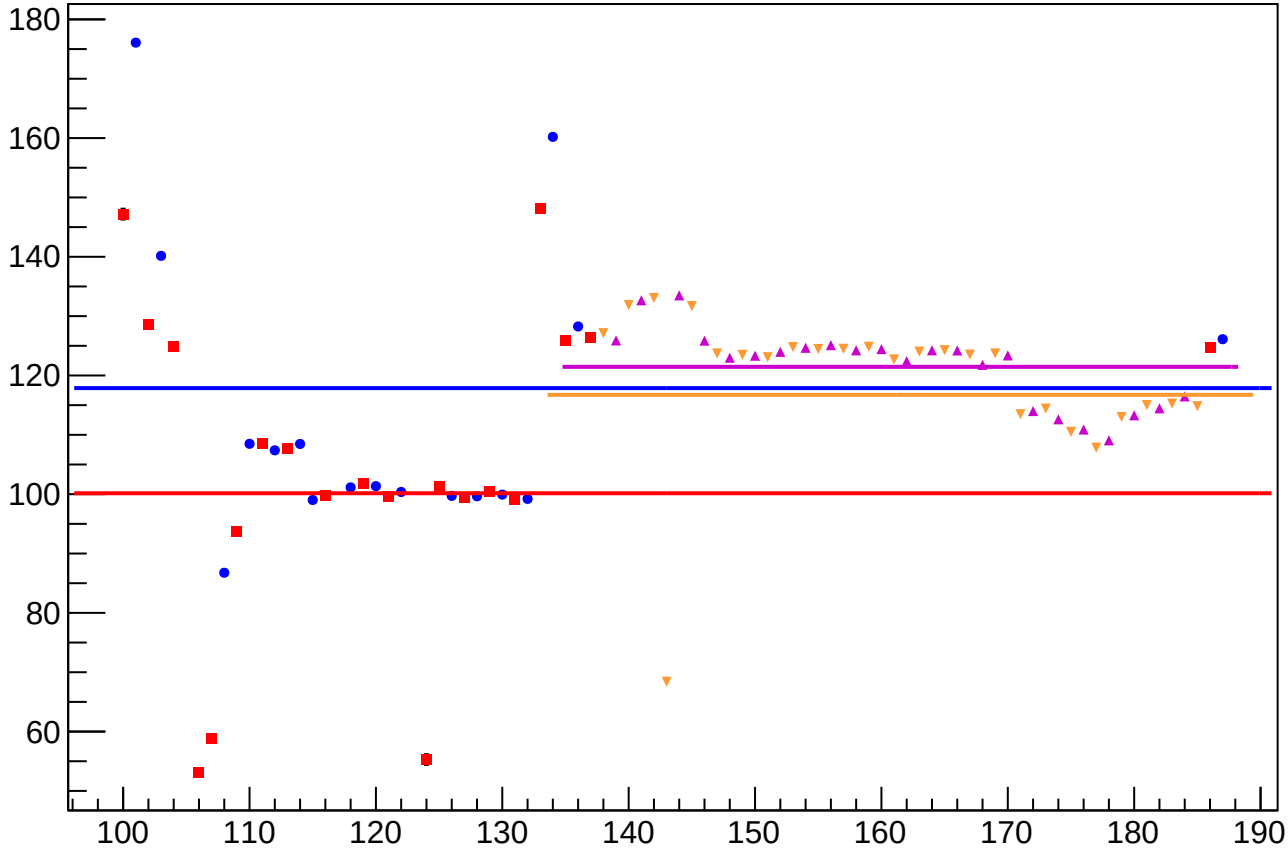
120
130
140
150
160
170
180
190
Right In: -245.907+/-1.155 χ²/NDF: 1352.3/16
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -228.792+/-1.088 χ²/NDF: 3523.0/19
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -236.841+/-0.792 χ²/NDF: 4991.8/36
In: -227.978+/-0.732 χ²/NDF:3467.4/39
Out: -215.565+/-0.691 χ²/NDF:6238.7/44
All: -221.416+/-0.502 χ²/NDF: 9858.1/84


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
180
190
Right In: -80.680+/-1.273 χ²/NDF: 384.4/16
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -73.731+/-1.209 χ²/NDF: 601.2/19
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -77.024+/-0.877 χ²/NDF: 1001.3/36
In: -79.015+/-0.688 χ²/NDF:830.0/39
Out: -73.514+/-0.648 χ²/NDF:1437.8/44
All: -76.099+/-0.472 χ²/NDF: 2301.8/84

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 100.158+/-0.070 χ^2/NDF: 169038.4/19

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

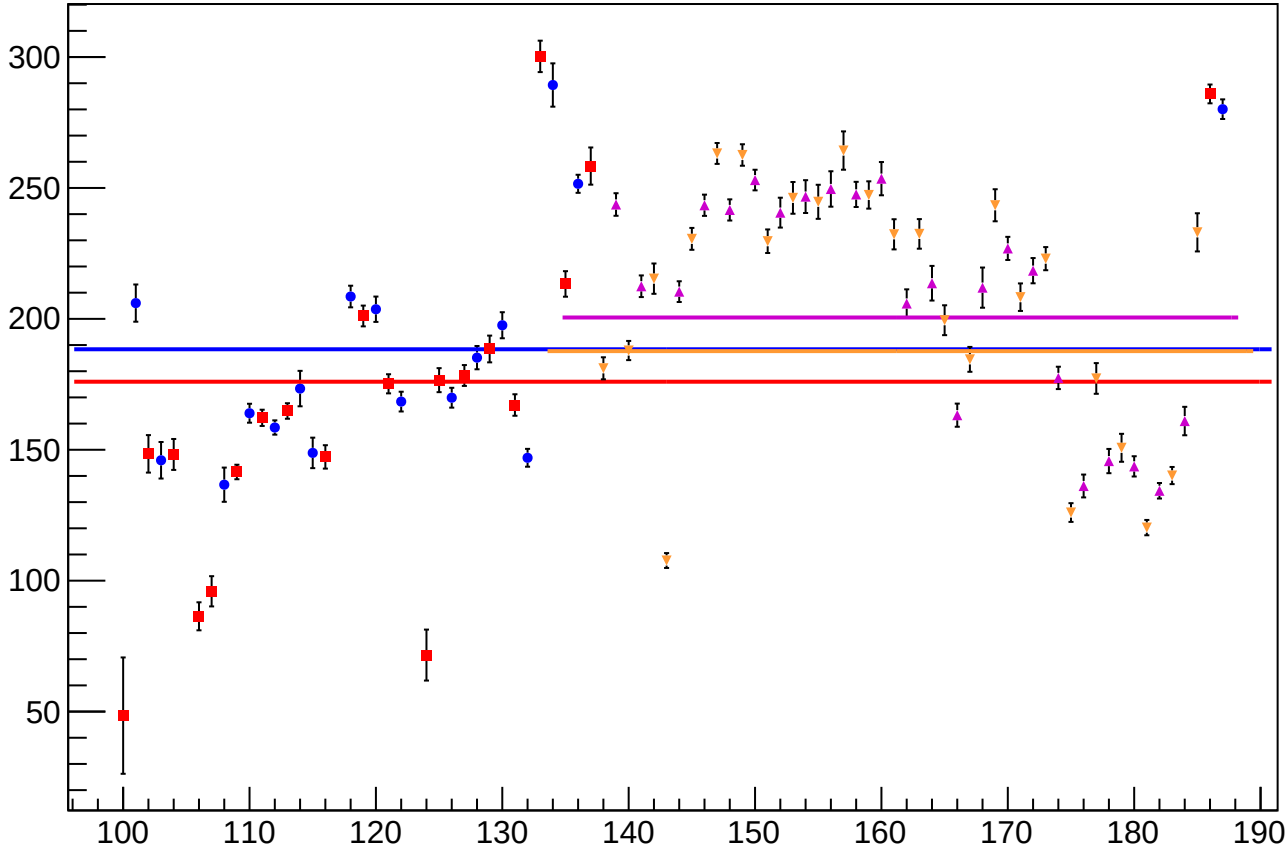
Right: 108.080+/-0.052 χ^2/NDF: 293759.4/36

In: 120.779+/-0.034 χ^2/NDF:126221.9/39

Out: 113.262+/-0.032 χ^2/NDF:417650.5/44

All: 116.822+/-0.023 χ^2/NDF: 570269.6/84

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 175.993+/-0.982 χ^2/NDF: 2498.3/19

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

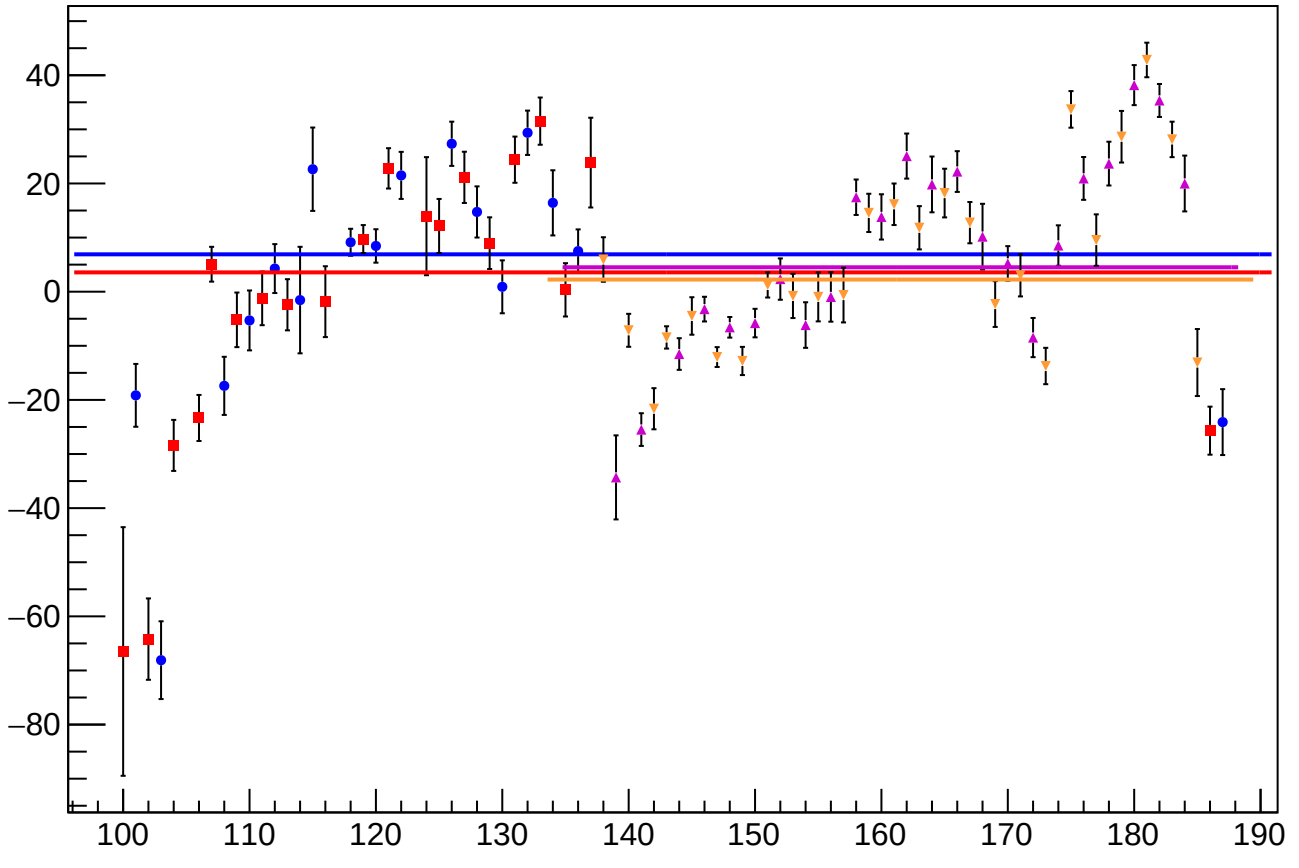
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 181.795+/-0.716 χ^2/NDF: 4215.5/36

In: 195.005+/-0.705 χ^2/NDF:3827.5/39

Out: 182.360+/-0.662 χ^2/NDF:6103.8/44

All: 188.287+/-0.483 χ^2/NDF: 10102.0/84



Right In: 6.906+/-1.095 χ^2/NDF: 259.7/16

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: 3.568+/-1.033 χ^2/NDF: 348.9/19

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

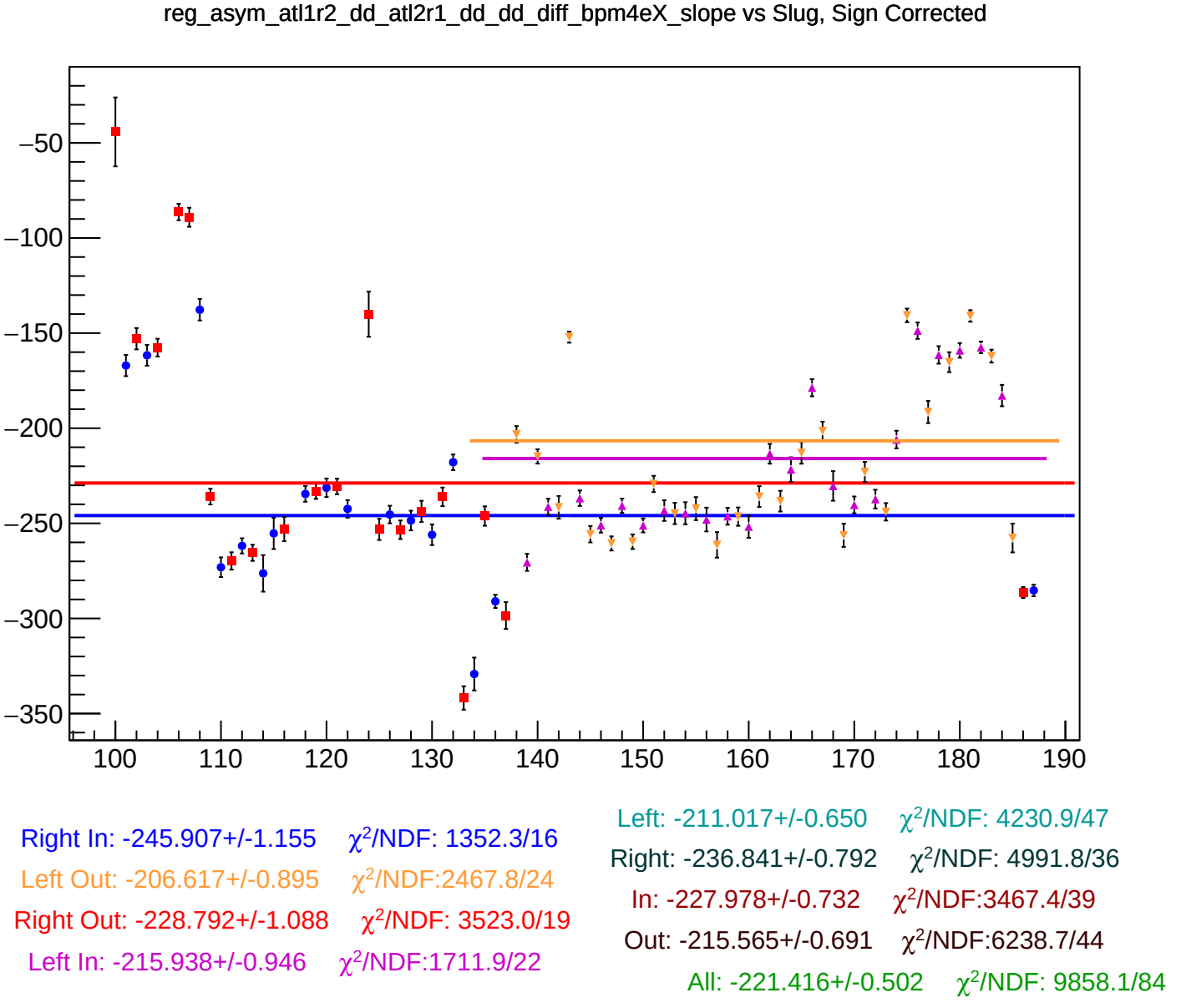
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 5.140+/-0.751 χ^2/NDF: 613.5/36

In: 5.227+/-0.598 χ^2/NDF:810.2/39

Out: 2.633+/-0.559 χ^2/NDF:950.9/44

All: 3.842+/-0.408 χ^2/NDF: 1771.1/84


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
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−250
−300
−350
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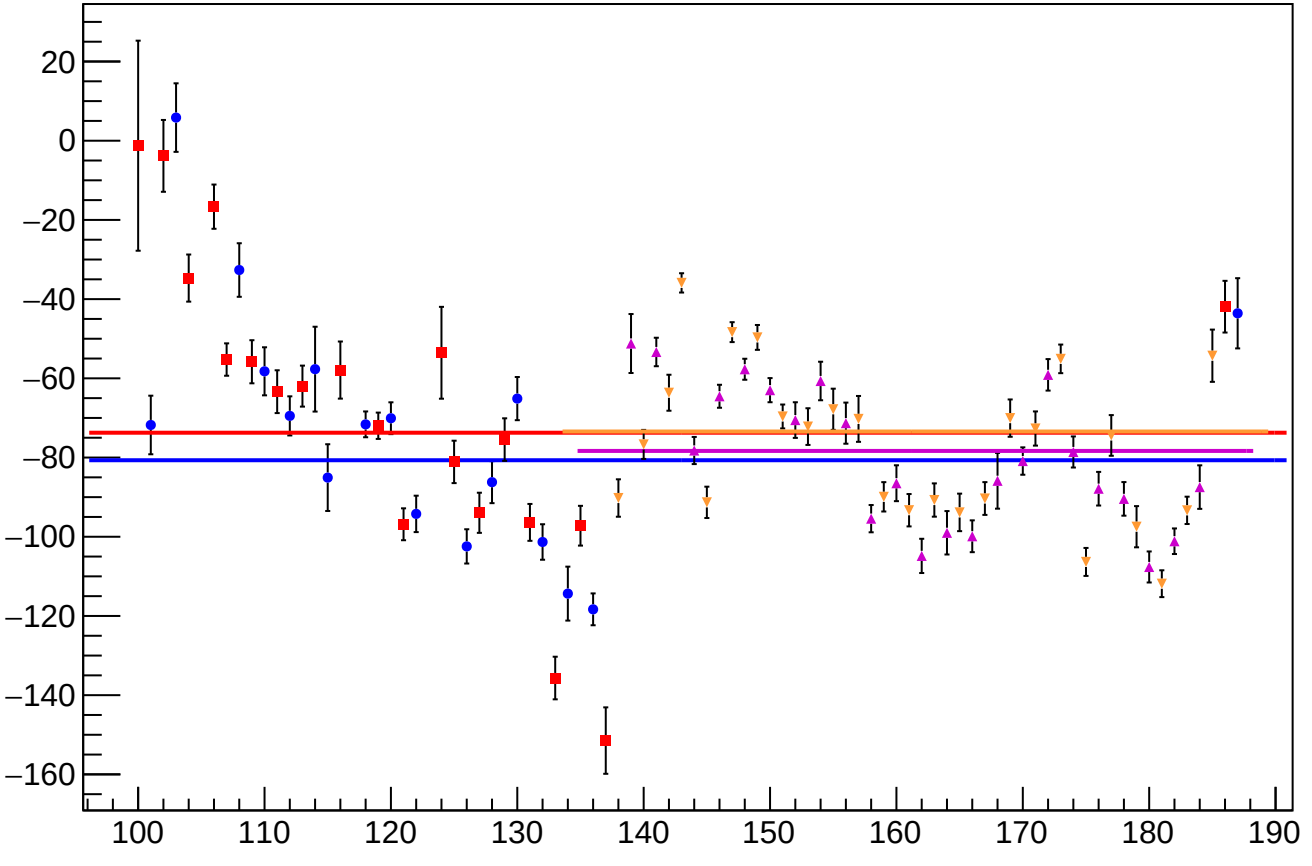
Right In: -245.907+/-1.155 χ2/NDF: 1352.3/16
Left Out: -206.617+/-0.895 χ2/NDF:2467.8/24
Right Out: -228.792+/-1.088 χ2/NDF: 3523.0/19
Left In: -215.938+/-0.946 χ2/NDF:1711.9/22
Left: -211.017+/-0.650 χ2/NDF: 4230.9/47
Right: -236.841+/-0.792 χ2/NDF: 4991.8/36
In: -227.978+/-0.732 χ2/NDF:3467.4/39
Out: -215.565+/-0.691 χ2/NDF:6238.7/44
All: -221.416+/-0.502 χ2/NDF: 9858.1/84

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -80.680+/-1.273 χ^2/NDF: 384.4/16

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -73.731+/-1.209 χ^2/NDF: 601.2/19

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

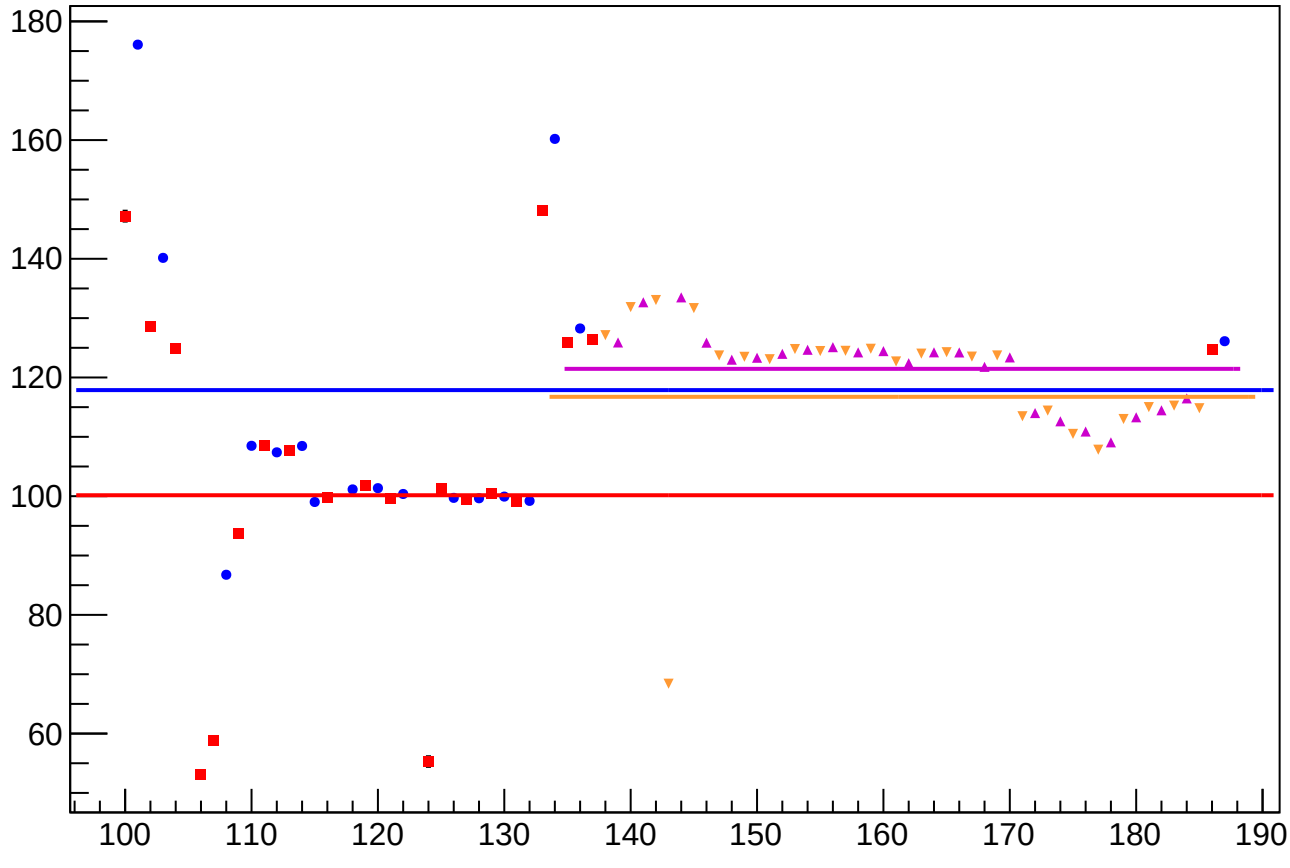
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -77.024+/-0.877 χ^2/NDF: 1001.3/36

In: -79.015+/-0.688 χ^2/NDF:830.0/39

Out: -73.514+/-0.648 χ^2/NDF:1437.8/44

All: -76.099+/-0.472 χ^2/NDF: 2301.8/84



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 100.158+/-0.070 χ^2/NDF: 169038.4/19

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

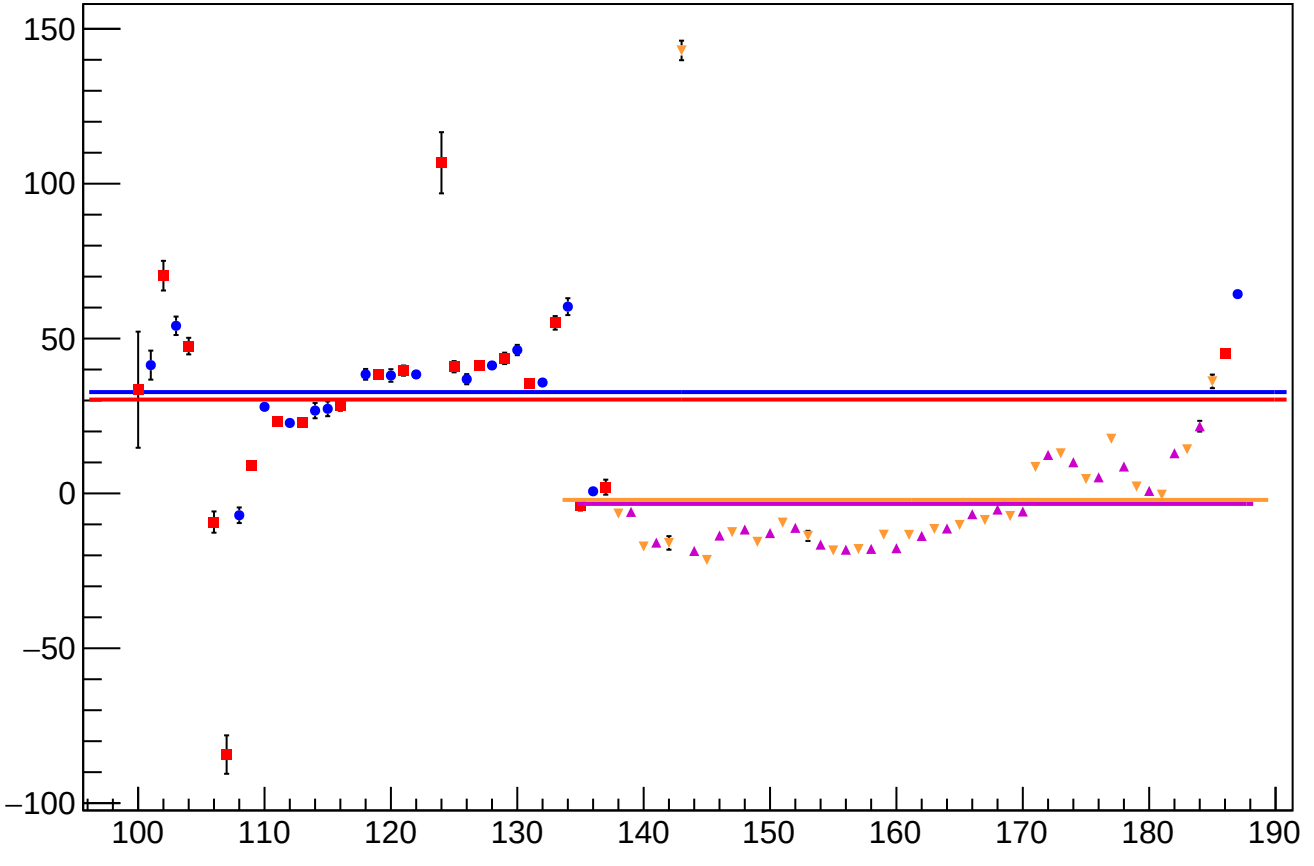
Right: 108.080+/-0.052 χ^2/NDF: 293759.4/36

In: 120.779+/-0.034 χ^2/NDF:126221.9/39

Out: 113.262+/-0.032 χ^2/NDF:417650.5/44

All: 116.822+/-0.023 χ^2/NDF: 570269.6/84

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 32.716+/-0.403 χ^2/NDF: 2023.1/16

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 30.300+/-0.370 χ^2/NDF: 2317.9/19

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

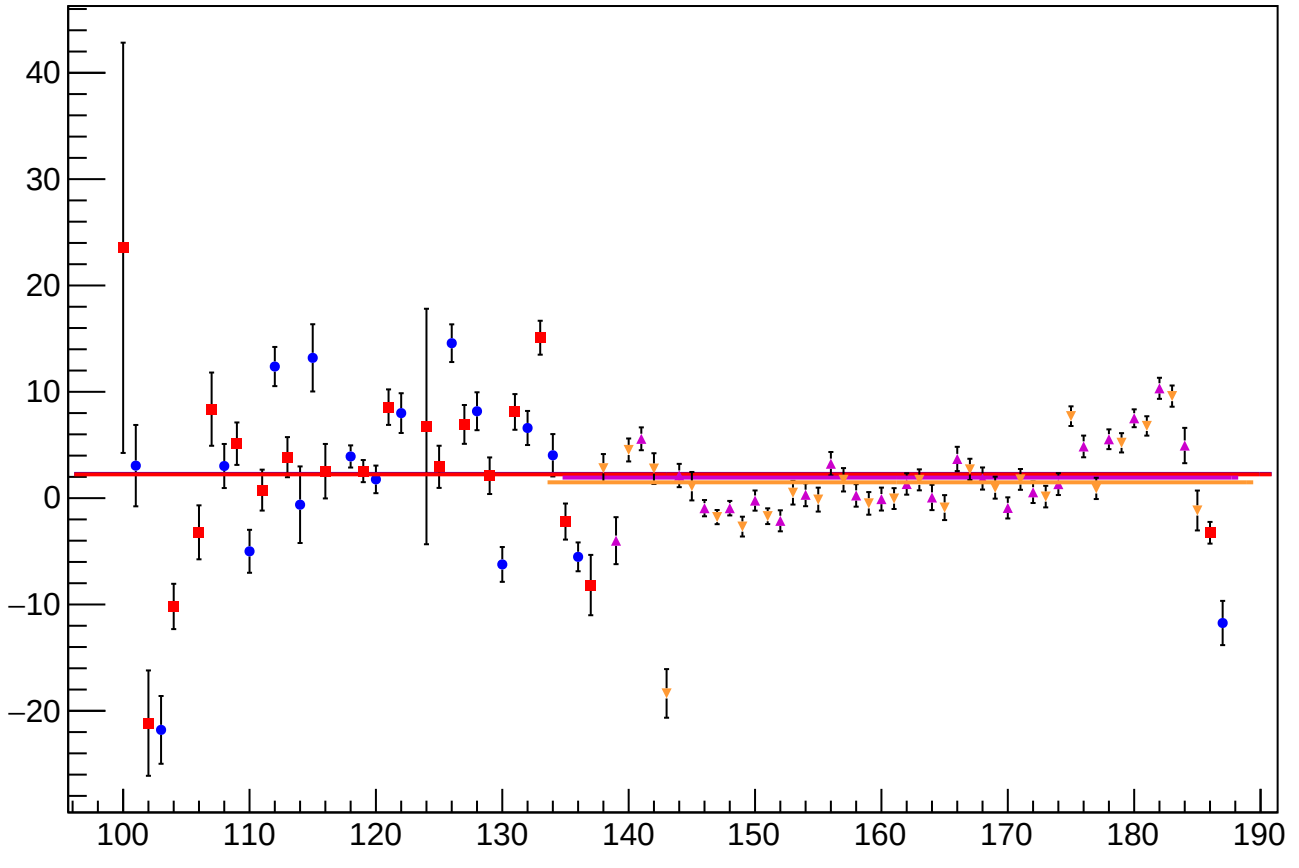
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 31.407+/-0.273 χ^2/NDF: 4360.5/36

In: 7.882+/-0.225 χ^2/NDF:9306.5/39

Out: 8.973+/-0.216 χ^2/NDF:11554.9/44

All: 8.449+/-0.156 χ^2/NDF: 20873.5/84



Right In: 2.278+/-0.433 χ^2/NDF: 297.4/16

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 2.240+/-0.414 χ^2/NDF: 216.5/19

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

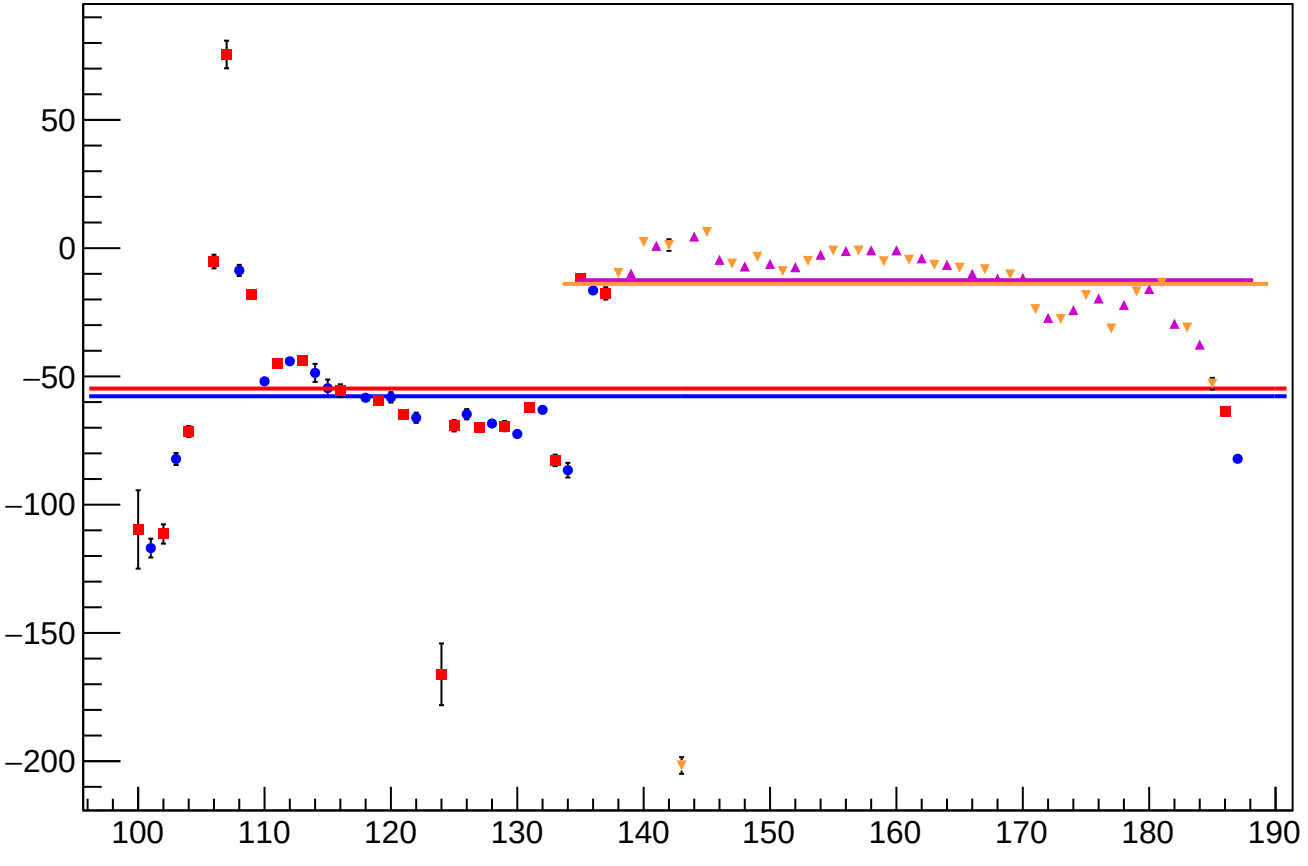
Right: 2.258+/-0.299 χ^2/NDF: 514.0/36

In: 1.999+/-0.189 χ^2/NDF:538.6/39

Out: 1.636+/-0.184 χ^2/NDF:547.7/44

All: 1.812+/-0.132 χ^2/NDF: 1088.2/84

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -57.734+/-0.442 χ^2/NDF: 2986.4/16

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -54.722+/-0.396 χ^2/NDF: 3294.6/19

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

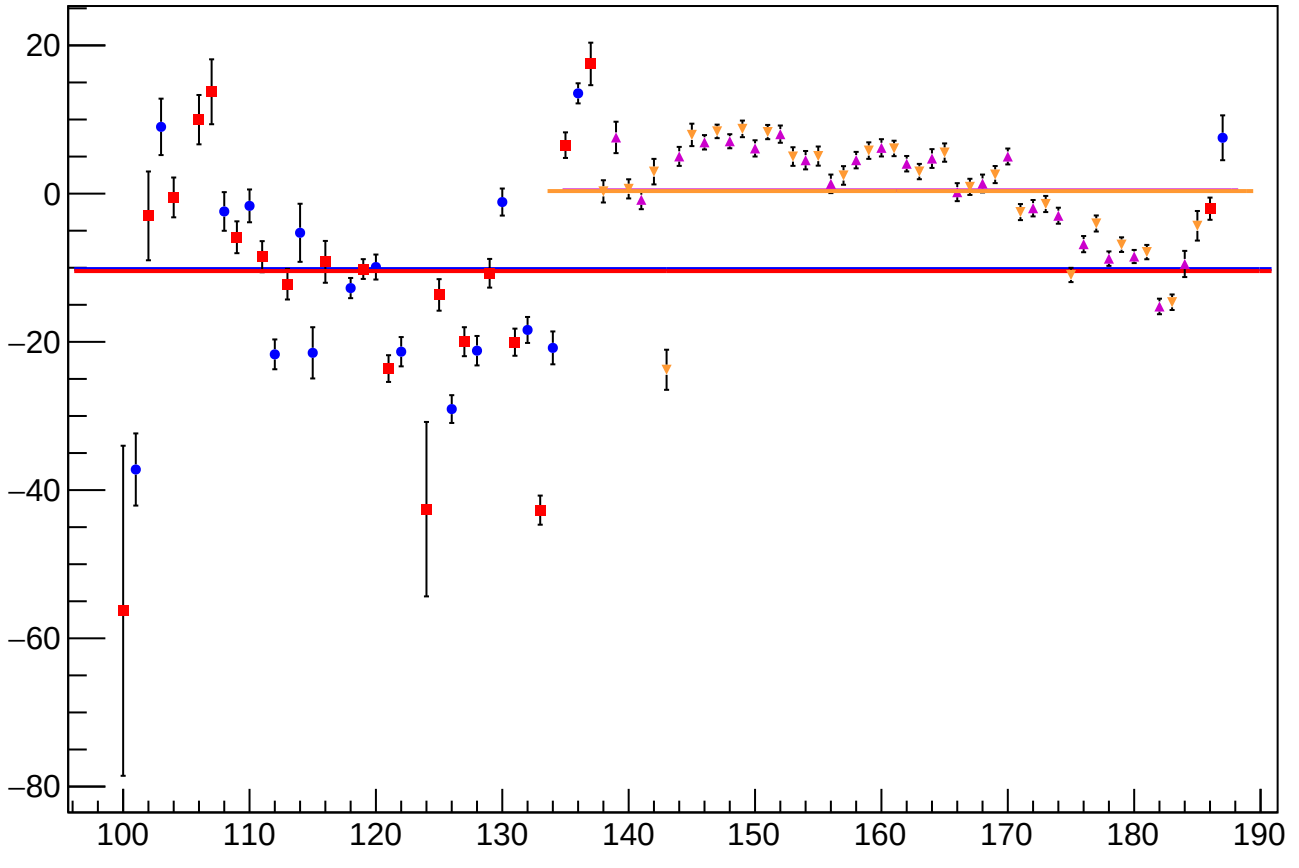
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -56.062+/-0.295 χ^2/NDF: 6306.8/36

In: -24.688+/-0.230 χ^2/NDF:12057.1/39

Out: -26.515+/-0.220 χ^2/NDF:15766.5/44

All: -25.640+/-0.159 χ^2/NDF: 27856.6/84



Right In: -10.181+/-0.499 χ^2/NDF: 701.6/16

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -10.450+/-0.488 χ^2/NDF: 701.1/19

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

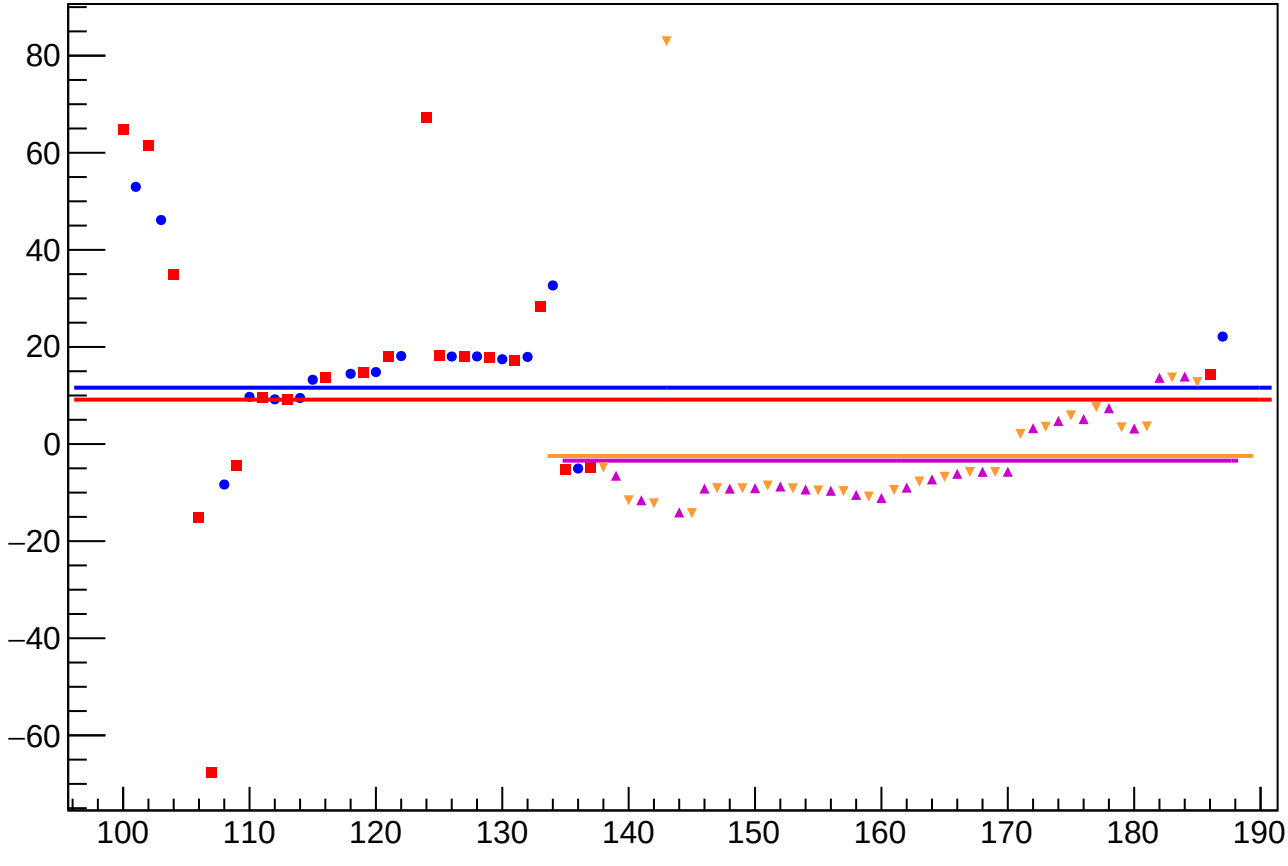
Right: -10.318+/-0.349 χ^2/NDF: 1402.8/36

In: -1.519+/-0.214 χ^2/NDF:1853.6/39

Out: -1.636+/-0.209 χ^2/NDF:2022.7/44

All: -1.579+/-0.149 χ^2/NDF: 3876.4/84

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.611+/-0.029 χ^2/NDF: 353395.2/16

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 9.149+/-0.030 χ^2/NDF: 438769.4/19

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

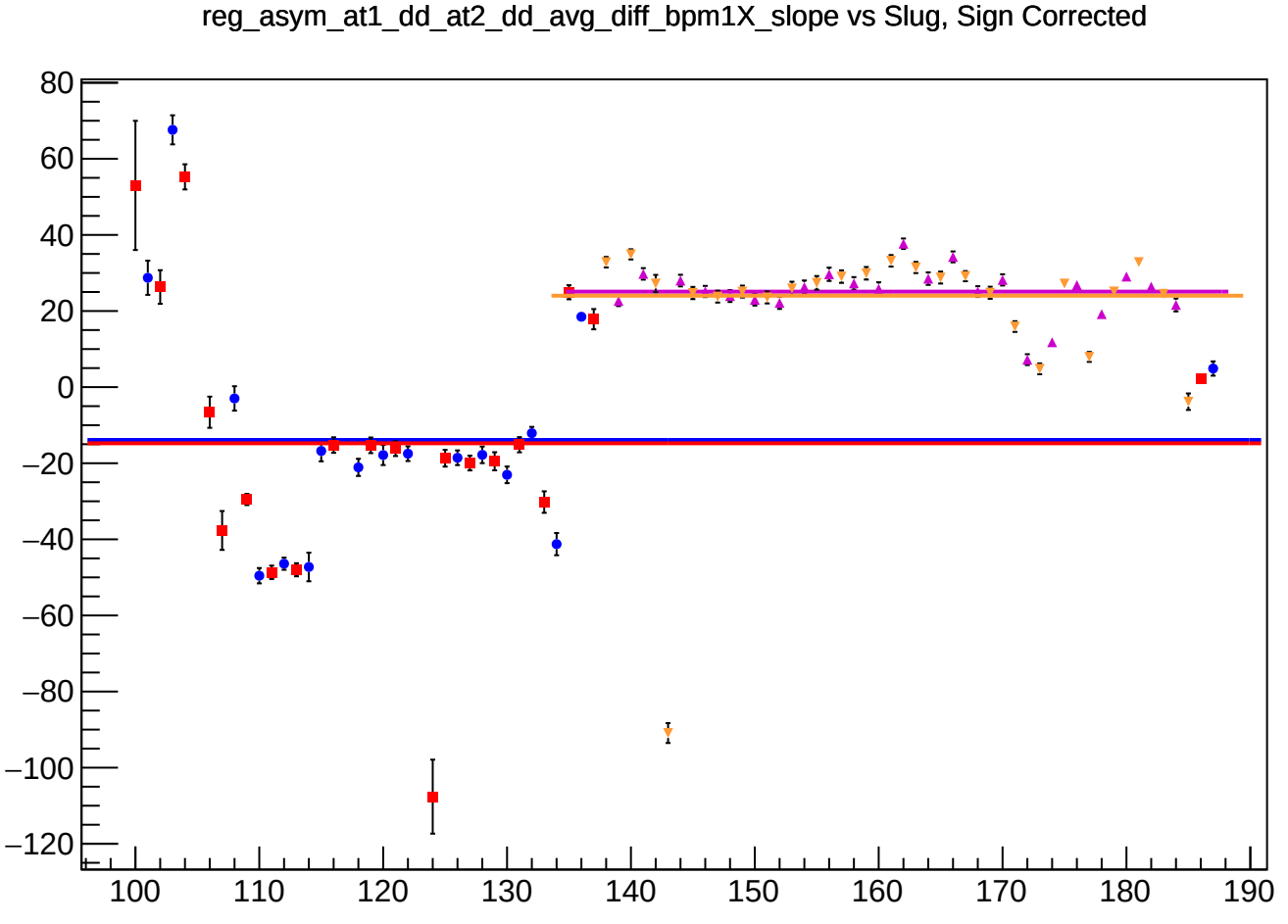
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 10.409+/-0.021 χ^2/NDF: 795574.1/36

In: -1.741+/-0.010 χ^2/NDF:1131428.2/39

Out: -1.229+/-0.010 χ^2/NDF:1532997.1/44

All: -1.484+/-0.007 χ^2/NDF: 2665786.3/84



Right In: -13.890+/-0.518 χ^2/NDF: 2232.5/16

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -14.757+/-0.487 χ^2/NDF: 2345.9/19

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

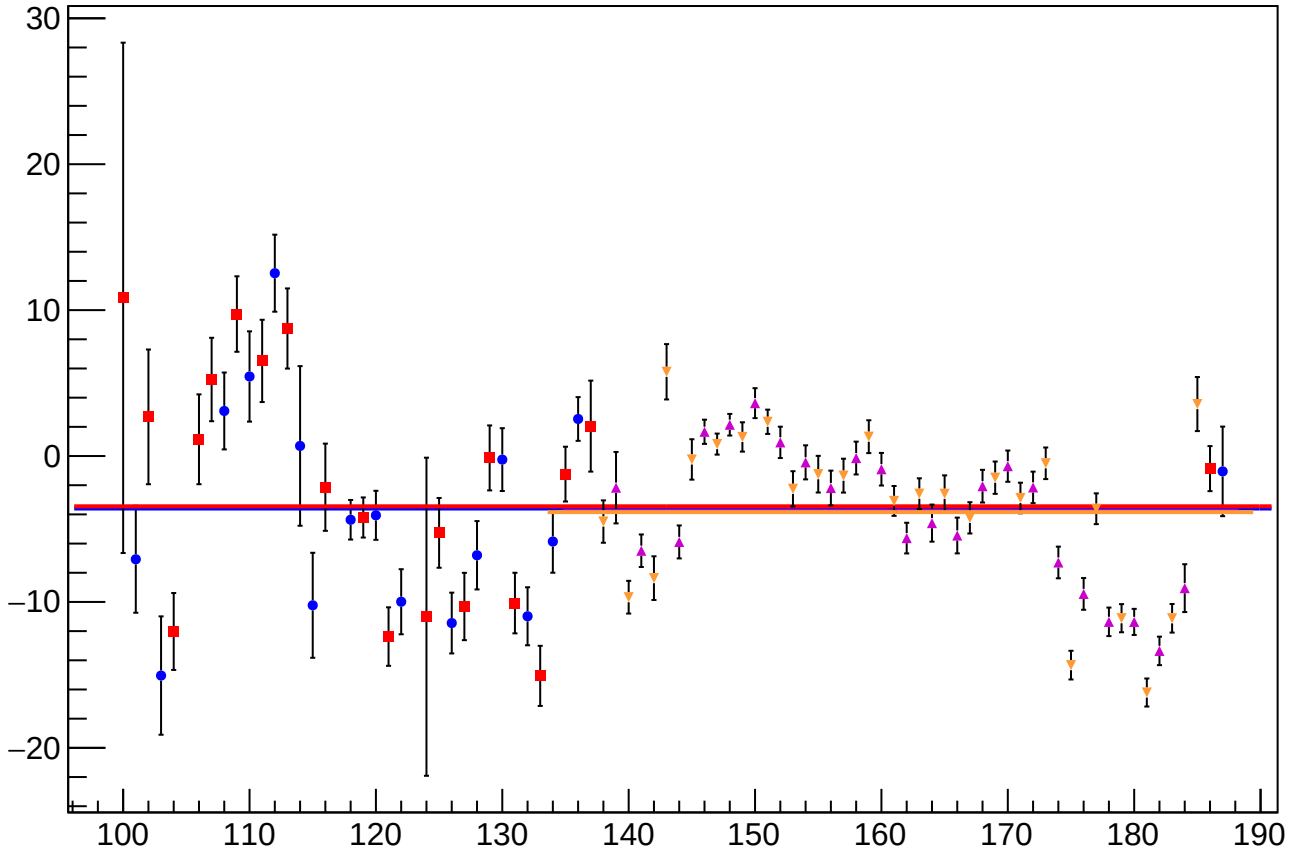
Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

Right: -14.350+/-0.355 χ^2/NDF: 4579.9/36

In: 15.927+/-0.251 χ^2/NDF:7057.3/39

Out: 14.287+/-0.244 χ^2/NDF:9896.5/44

All: 15.083+/-0.175 χ^2/NDF: 16975.8/84



Right In: -3.597+/-0.543 χ^2/NDF: 124.7/16

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -3.446+/-0.530 χ^2/NDF: 164.4/19

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

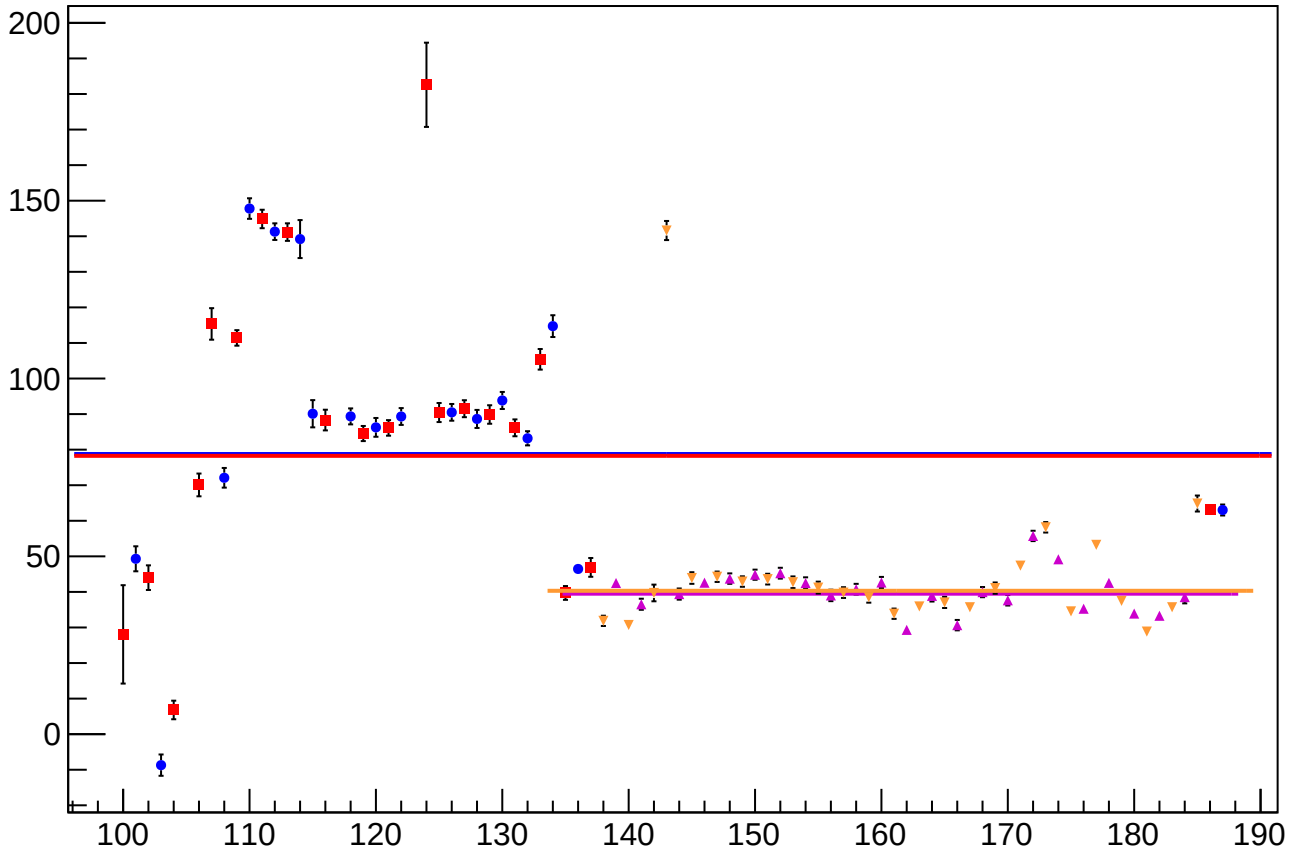
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -3.519+/-0.379 χ^2/NDF: 289.1/36

In: -3.753+/-0.207 χ^2/NDF:634.6/39

Out: -3.787+/-0.201 χ^2/NDF:814.2/44

All: -3.771+/-0.144 χ^2/NDF: 1448.9/84



Right In: 78.766+/-0.565 χ^2/NDF: 3350.7/16

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 78.264+/-0.524 χ^2/NDF: 3525.5/19

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

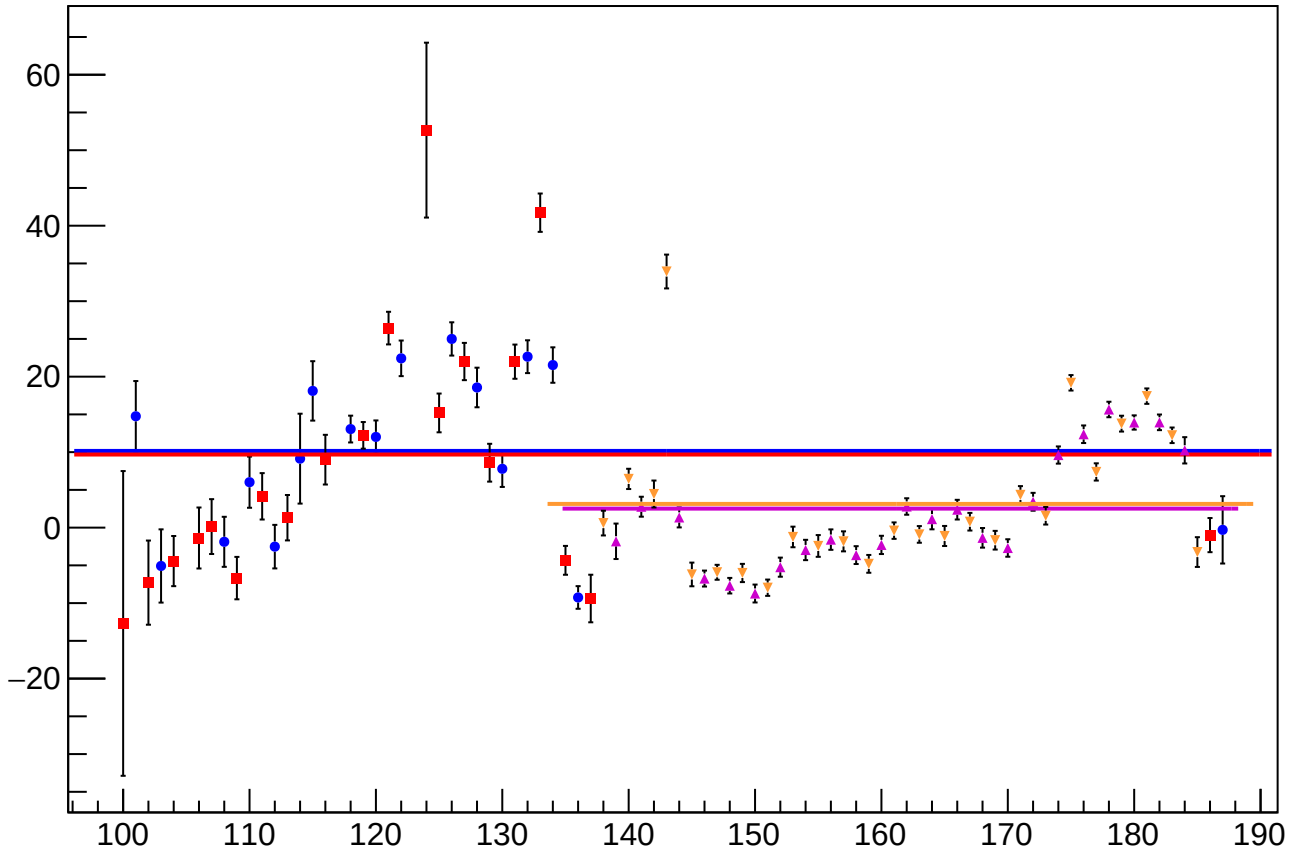
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

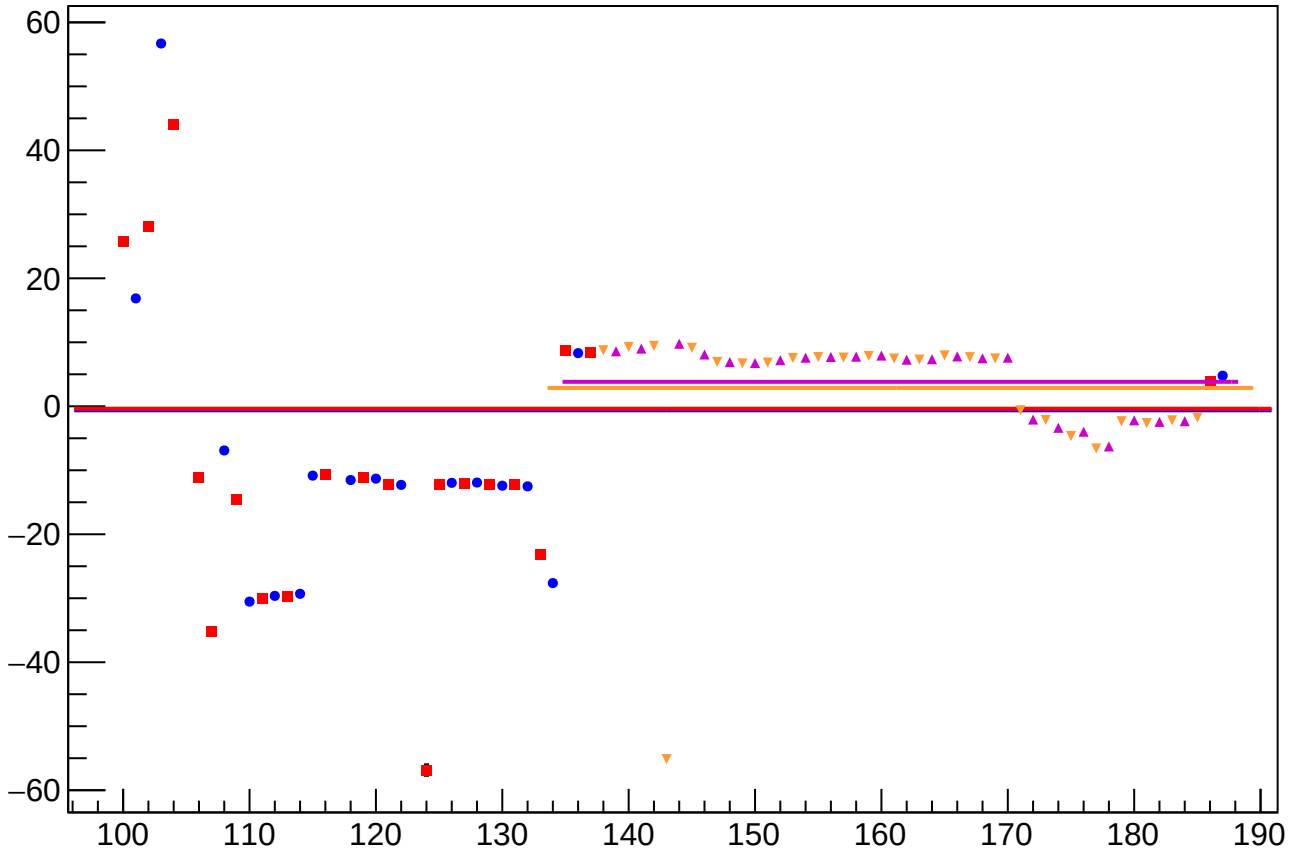
Right: 78.496+/-0.384 χ^2/NDF: 6876.7/36

In: 47.458+/-0.254 χ^2/NDF:7634.9/39

Out: 48.757+/-0.247 χ^2/NDF:9790.3/44

All: 48.126+/-0.177 χ^2/NDF: 17438.7/84


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 10.161+/-0.620 χ²/NDF: 365.4/16
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 9.684+/-0.616 χ²/NDF: 494.8/19
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
Left: 2.837+/-0.175 χ²/NDF: 2238.3/47
Right: 9.921+/-0.437 χ²/NDF: 860.5/36
In: 3.594+/-0.233 χ²/NDF:1463.9/39
Out: 4.038+/-0.228 χ²/NDF:1859.1/44
All: 3.820+/-0.163 χ²/NDF: 3324.9/84



Right In: -0.629+/-0.036 χ^2/NDF: 368491.5/16

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: -0.386+/-0.036 χ^2/NDF: 317232.9/19

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

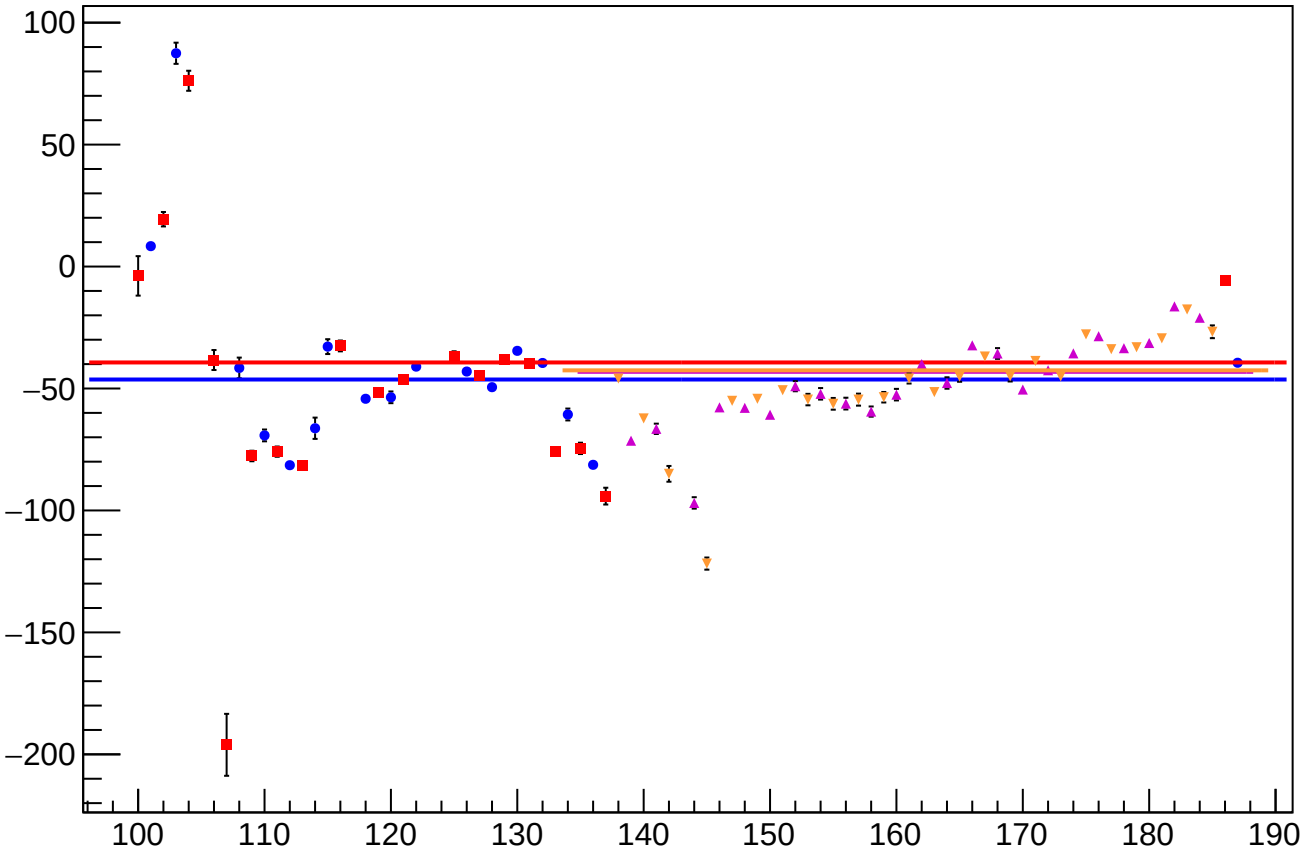
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: -0.510+/-0.025 χ^2/NDF: 685747.4/36

In: 3.428+/-0.011 χ^2/NDF:616056.1/39

Out: 2.597+/-0.011 χ^2/NDF:836917.6/44

All: 3.010+/-0.007 χ^2/NDF: 1456071.6/84



Right In: -46.314+/-0.497 χ^2/NDF: 2799.2/16

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -39.322+/-0.467 χ^2/NDF: 4734.0/18

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

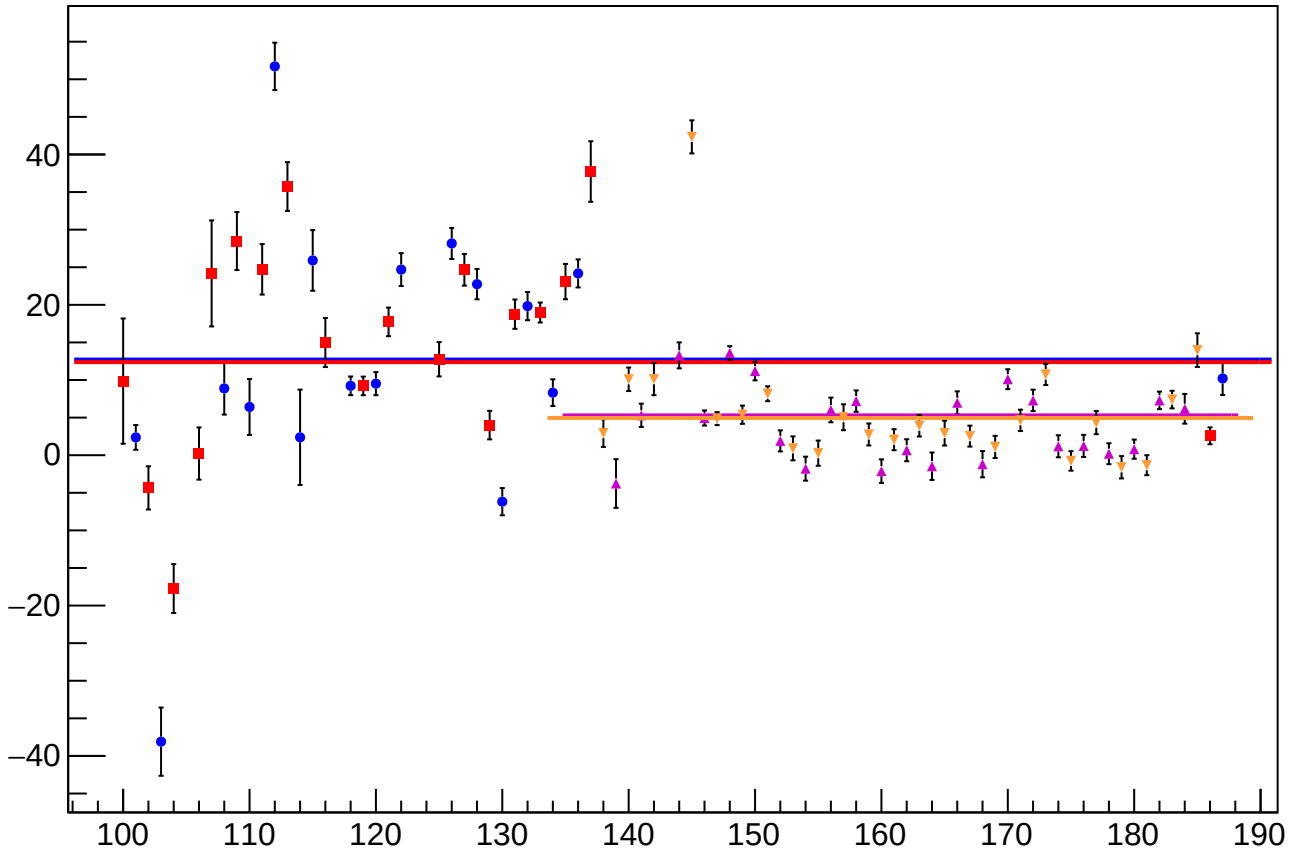
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -42.600+/-0.341 χ^2/NDF: 7638.1/35

In: -44.323+/-0.303 χ^2/NDF:5031.2/39

Out: -41.278+/-0.294 χ^2/NDF:7089.4/42

All: -42.756+/-0.211 χ^2/NDF: 12172.7/82



Right In: 12.720+/-0.505 χ^2/NDF: 626.9/16

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 12.383+/-0.490 χ^2/NDF: 458.5/18

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

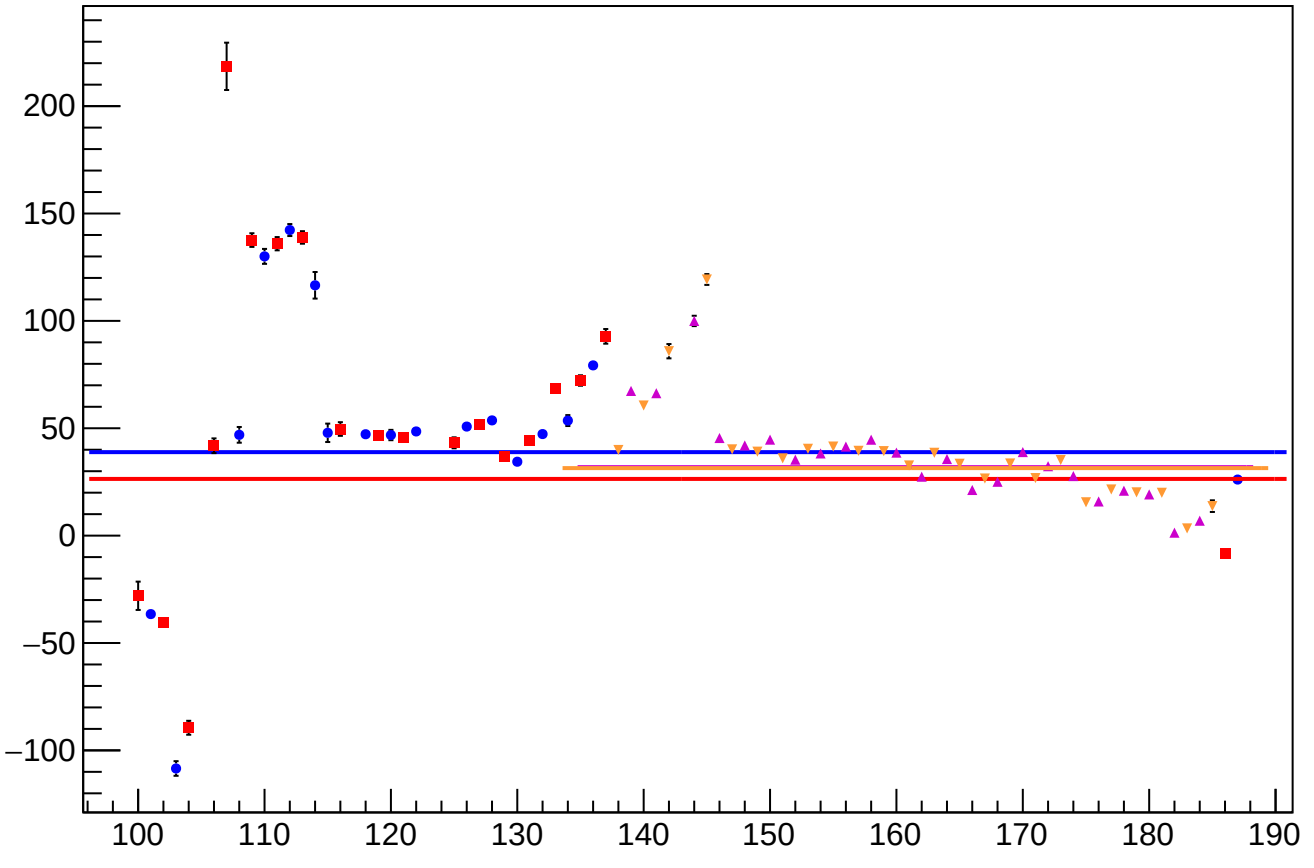
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 12.546+/-0.351 χ^2/NDF: 1085.6/35

In: 7.176+/-0.254 χ^2/NDF:1074.8/39

Out: 6.868+/-0.249 χ^2/NDF:1078.4/42

All: 7.019+/-0.178 χ^2/NDF: 2154.0/82



Right In: 38.878+/-0.517 χ^2/NDF: 7339.0/16

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 26.406+/-0.469 χ^2/NDF: 10507.4/18

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

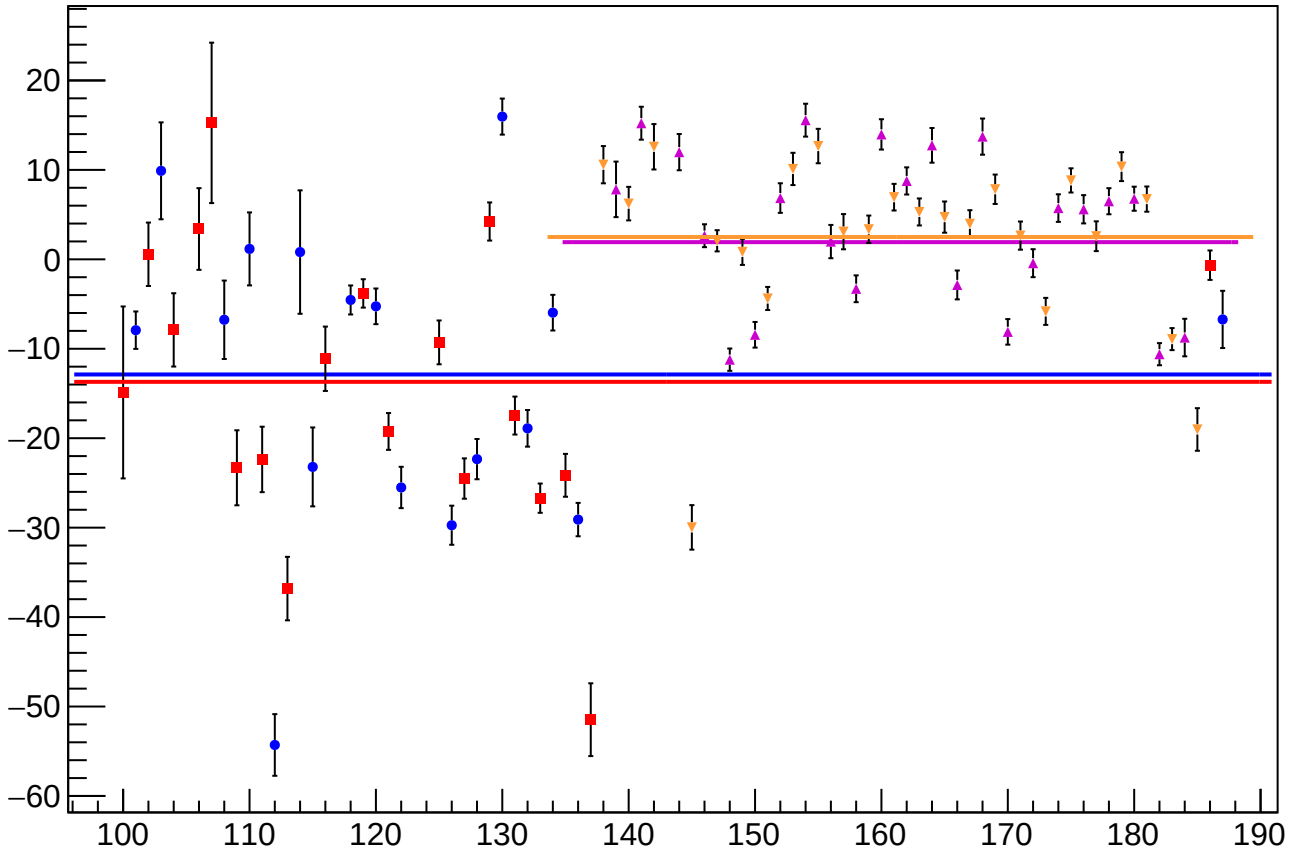
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 32.038+/-0.347 χ^2/NDF: 18166.0/35

In: 34.331+/-0.305 χ^2/NDF:10225.2/39

Out: 29.472+/-0.293 χ^2/NDF:13339.6/42

All: 31.804+/-0.211 χ^2/NDF: 23696.7/82



Right In: -12.874+/-0.589 χ^2/NDF: 643.7/16

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -13.697+/-0.586 χ^2/NDF: 473.7/18

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

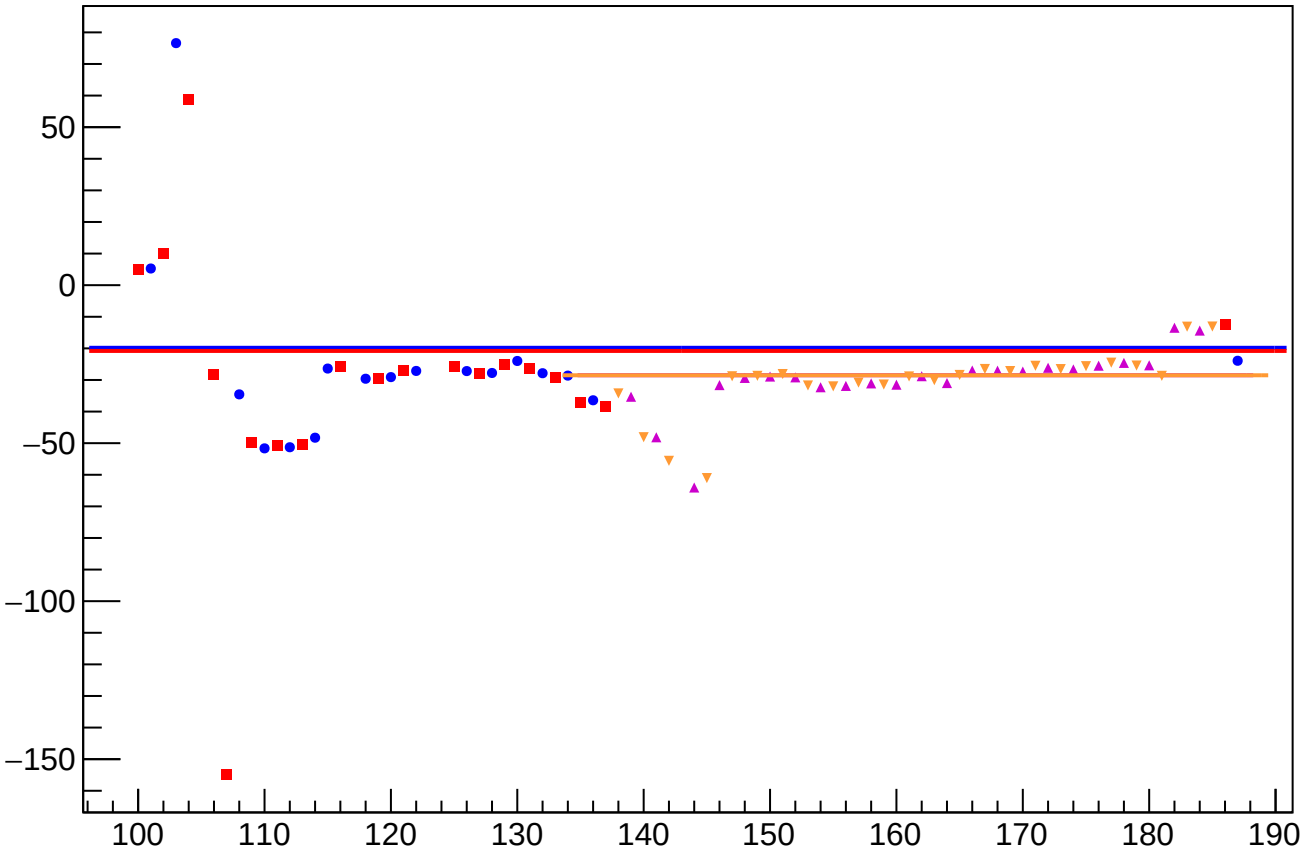
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -13.288+/-0.416 χ^2/NDF: 1118.5/35

In: -1.642+/-0.289 χ^2/NDF:1800.8/39

Out: -1.348+/-0.285 χ^2/NDF:1615.1/42

All: -1.493+/-0.203 χ^2/NDF: 3416.5/82



Right In: -19.817+/-0.035 χ^2/NDF: 647491.4/16

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.808+/-0.037 χ^2/NDF: 552337.2/18

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

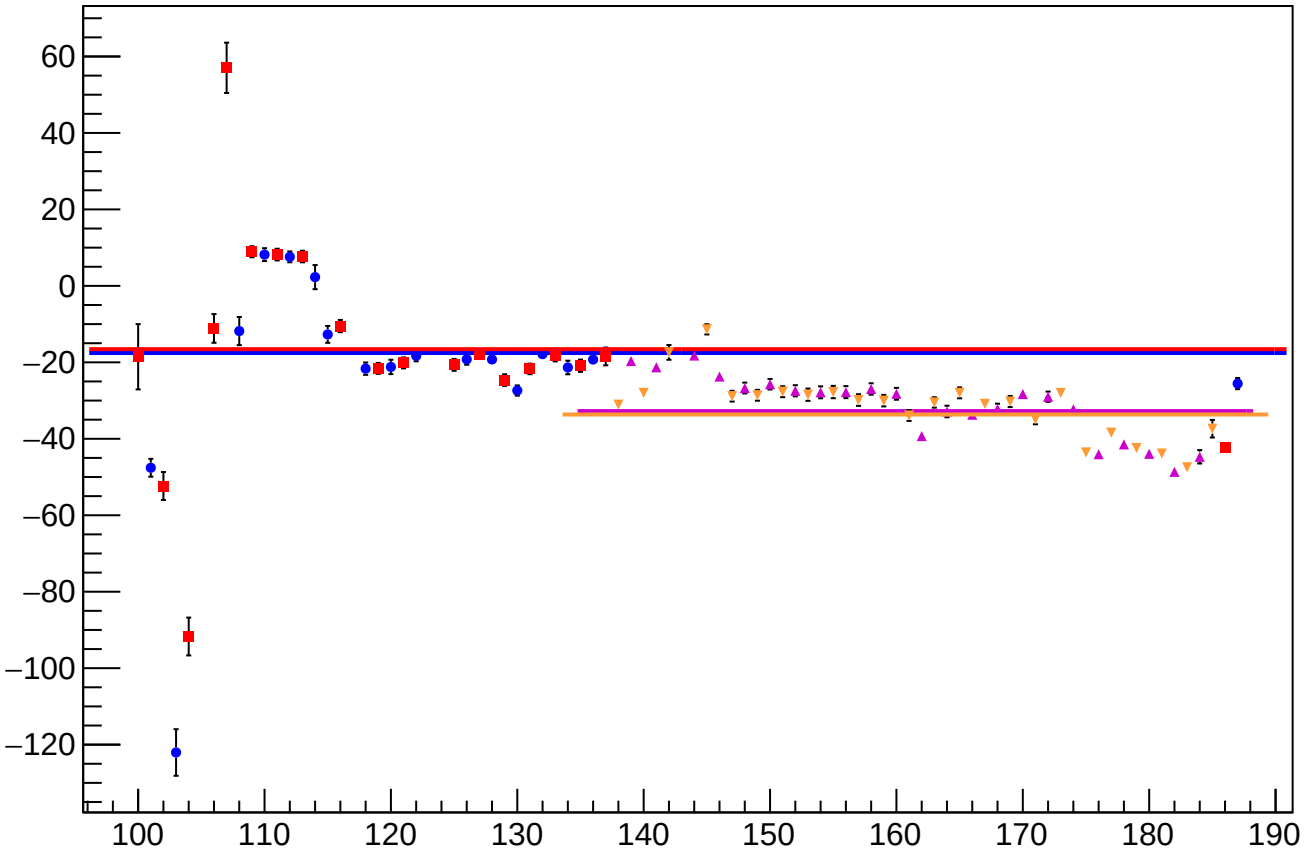
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

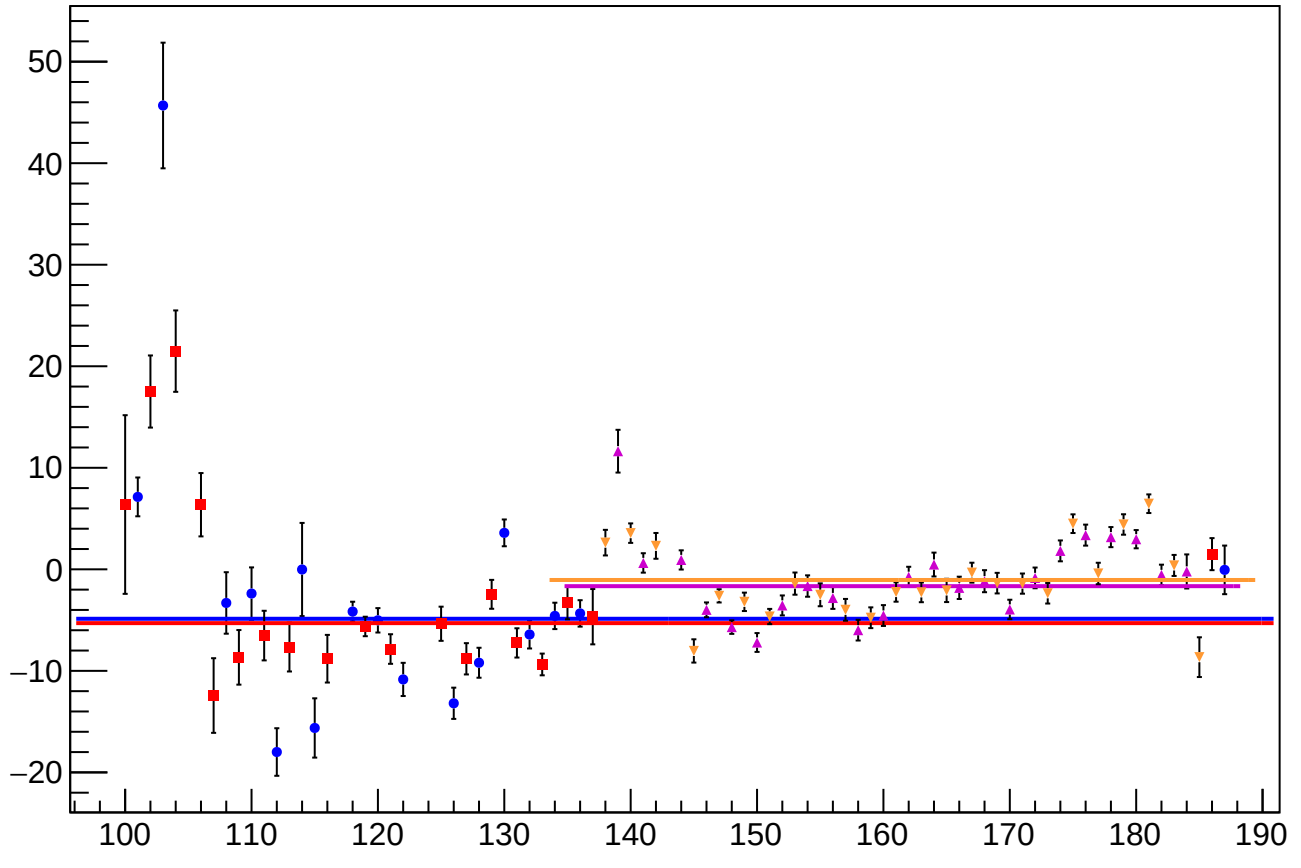
Right: -20.291+/-0.026 χ^2/NDF: 1200204.2/35

In: -27.201+/-0.014 χ^2/NDF:986461.0/39

Out: -27.450+/-0.014 χ^2/NDF:923676.9/42

All: -27.325+/-0.010 χ^2/NDF: 1910303.7/82


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
190
Right In: -17.561+/-0.389 χ²/NDF: 1160.5/16
Left Out: -33.643+/-0.265 χ²/NDF:1015.9/23
Right Out: -16.552+/-0.389 χ²/NDF: 1792.3/18
Left In: -32.750+/-0.269 χ²/NDF:1143.5/22
Left: -33.202+/-0.189 χ²/NDF: 2165.0/46
Right: -17.057+/-0.275 χ²/NDF: 2956.2/35
In: -27.852+/-0.221 χ²/NDF:3335.6/39
Out: -28.223+/-0.219 χ²/NDF:4125.8/42
All: -28.039+/-0.156 χ²/NDF: 7462.9/82



Right In: -4.870+/-0.396 χ^2/NDF: 251.9/16

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -5.299+/-0.405 χ^2/NDF: 159.2/18

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

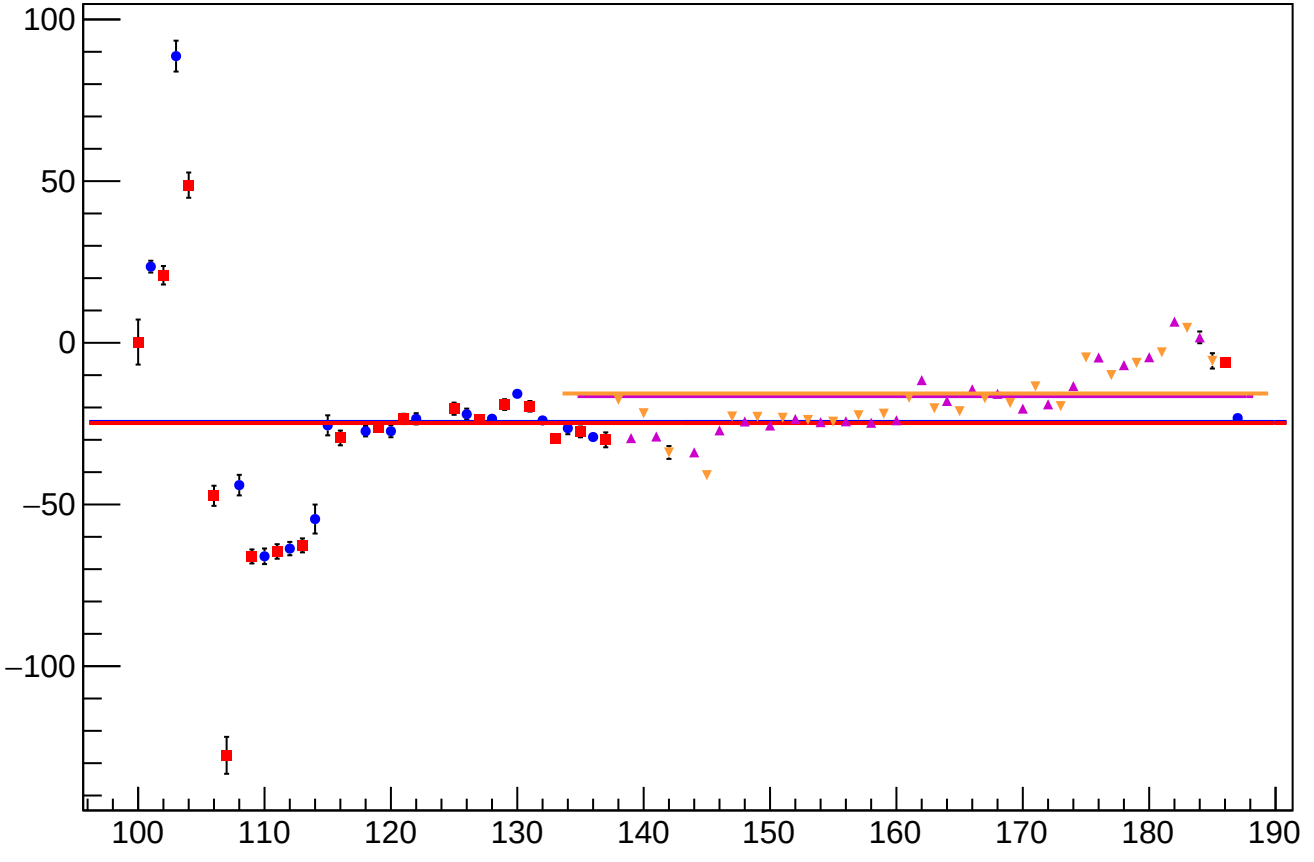
Right: -5.079+/-0.283 χ^2/NDF: 411.7/35

In: -2.347+/-0.183 χ^2/NDF:568.0/39

Out: -1.901+/-0.181 χ^2/NDF:536.5/42

All: -2.122+/-0.129 χ^2/NDF: 1107.5/82

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.469+/-0.425 χ^2/NDF: 2053.0/16

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.808+/-0.430 χ^2/NDF: 2379.7/18

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

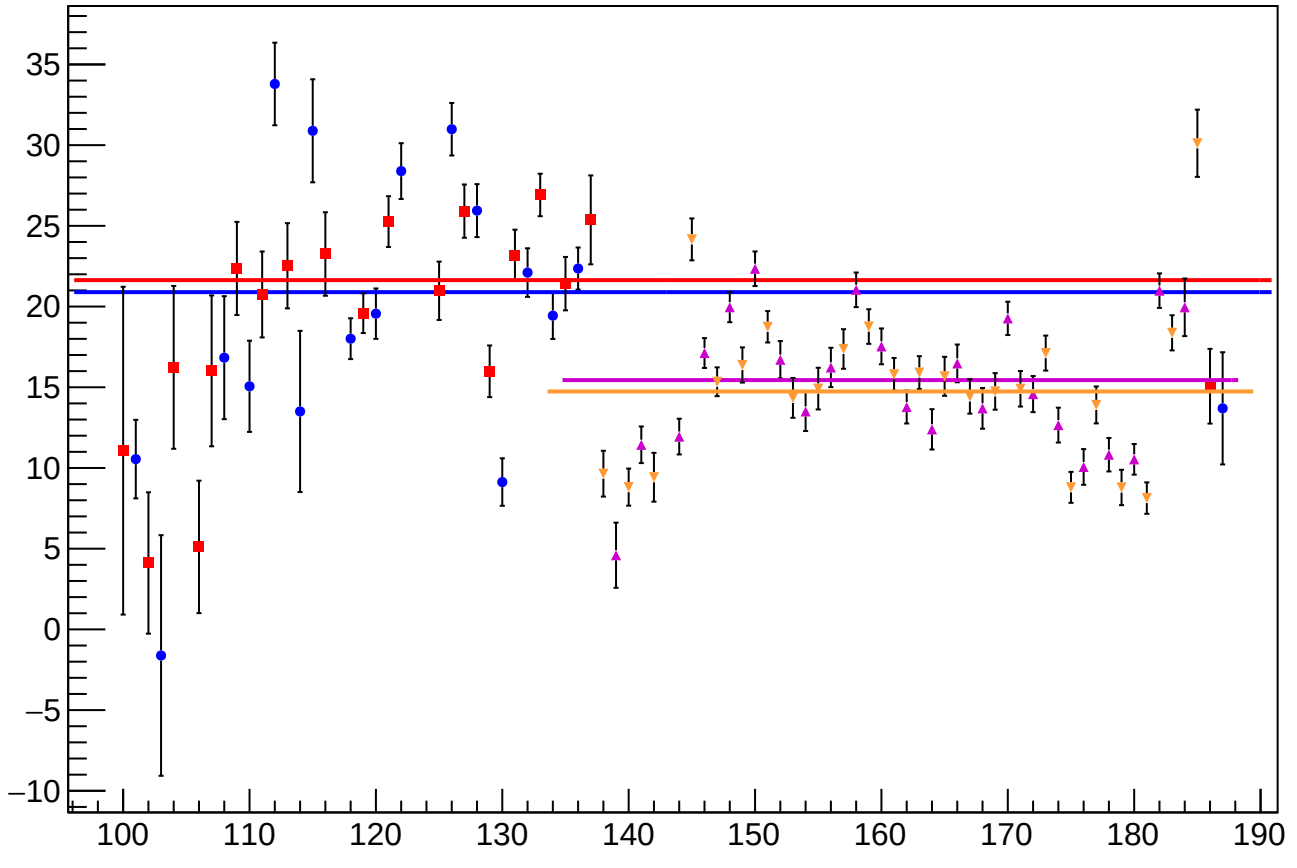
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -24.637+/-0.302 χ^2/NDF: 4433.0/35

In: -18.725+/-0.225 χ^2/NDF:4004.3/39

Out: -18.165+/-0.224 χ^2/NDF:4229.2/42

All: -18.443+/-0.159 χ^2/NDF: 8236.7/82



Right In: 20.893+/-0.454 χ^2/NDF: 214.0/16

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 21.637+/-0.468 χ^2/NDF: 91.0/18

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

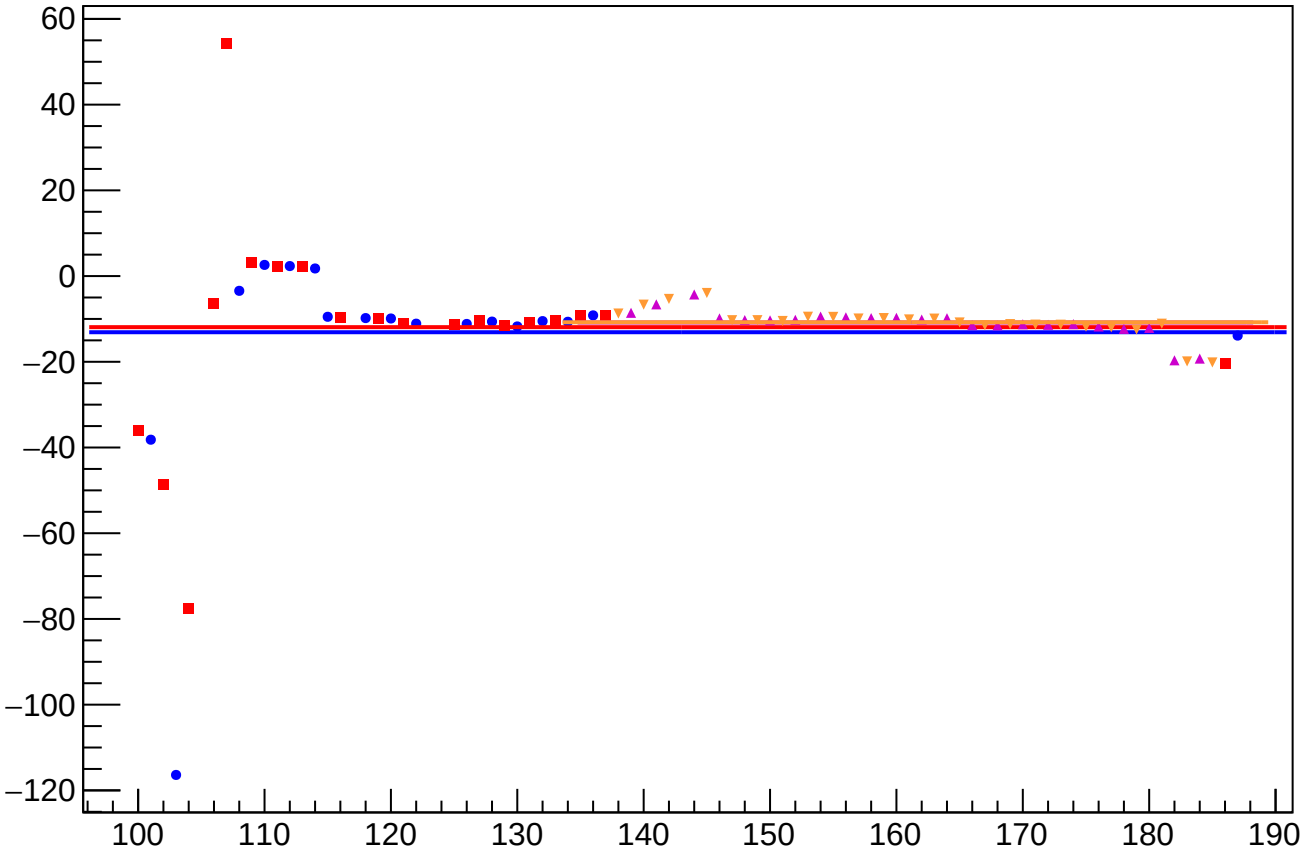
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 21.254+/-0.326 χ^2/NDF: 306.2/35

In: 16.580+/-0.207 χ^2/NDF:618.3/39

Out: 16.074+/-0.206 χ^2/NDF:596.7/42

All: 16.325+/-0.146 χ^2/NDF: 1218.0/82



Right In: -13.103+/-0.028 χ^2/NDF: 344958.7/16

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -11.920+/-0.030 χ^2/NDF: 317038.1/18

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

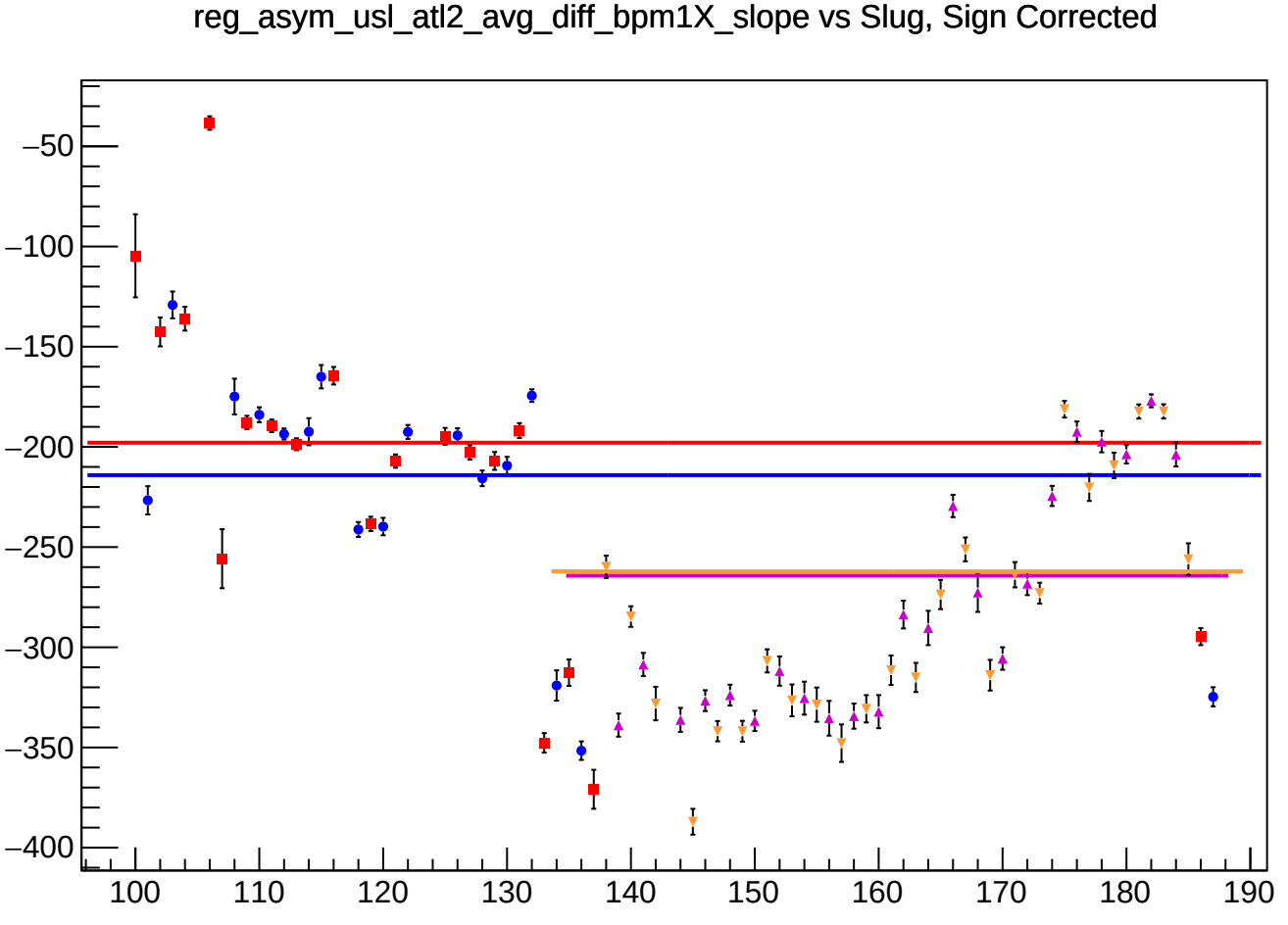
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -12.557+/-0.021 χ^2/NDF: 662815.5/35

In: -11.104+/-0.010 χ^2/NDF:424821.2/39

Out: -10.896+/-0.010 χ^2/NDF:403066.0/42

All: -11.000+/-0.007 χ^2/NDF: 828116.7/82



Right In: -214.106+/-1.041 χ^2/NDF: 2314.7/16

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -197.928+/-0.973 χ^2/NDF: 4750.3/18

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

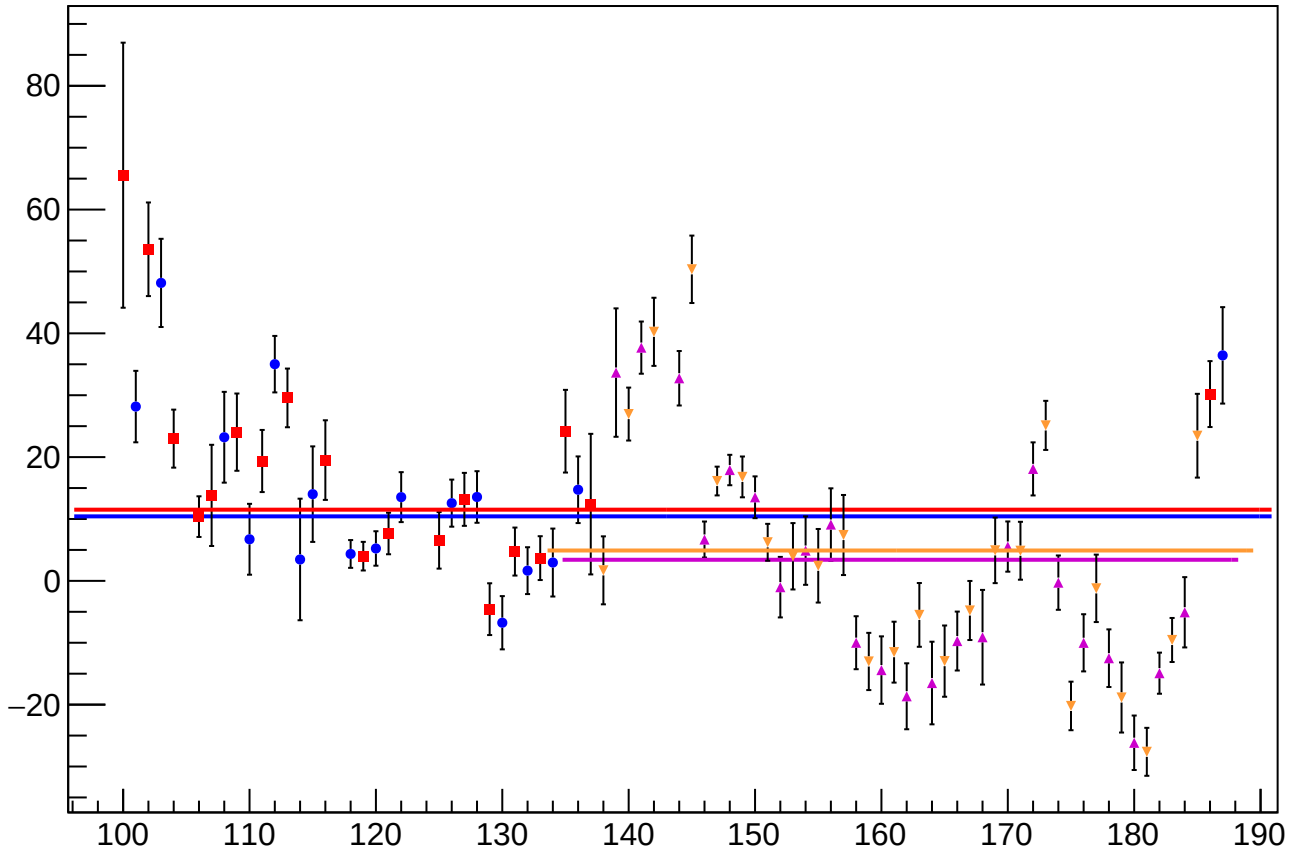
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -205.468+/-0.711 χ^2/NDF: 7194.0/35

In: -235.941+/-0.782 χ^2/NDF:6067.7/39

Out: -223.906+/-0.750 χ^2/NDF:9477.8/42

All: -229.673+/-0.541 χ^2/NDF: 15668.8/82



Right In: 10.424+/-1.056 χ^2/NDF: 117.9/16

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 11.505+/-1.024 χ^2/NDF: 117.8/18

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

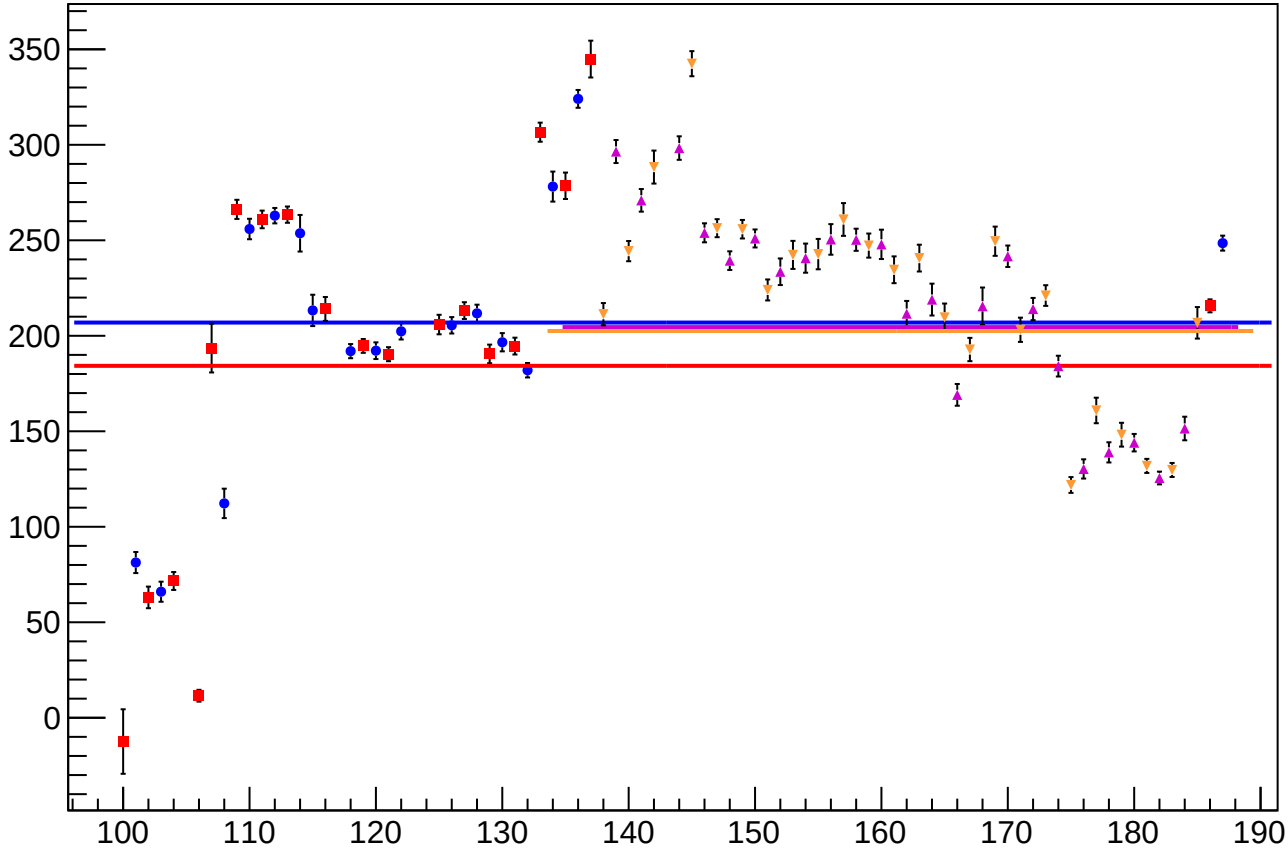
Right: 10.981+/-0.735 χ^2/NDF: 236.3/35

In: 6.365+/-0.685 χ^2/NDF:476.8/39

Out: 7.734+/-0.670 χ^2/NDF:540.5/42

All: 7.064+/-0.479 χ^2/NDF: 1019.4/82

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 206.932+/-1.170 χ^2/NDF: 2587.5/16

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 184.273+/-1.084 χ^2/NDF: 6442.5/18

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

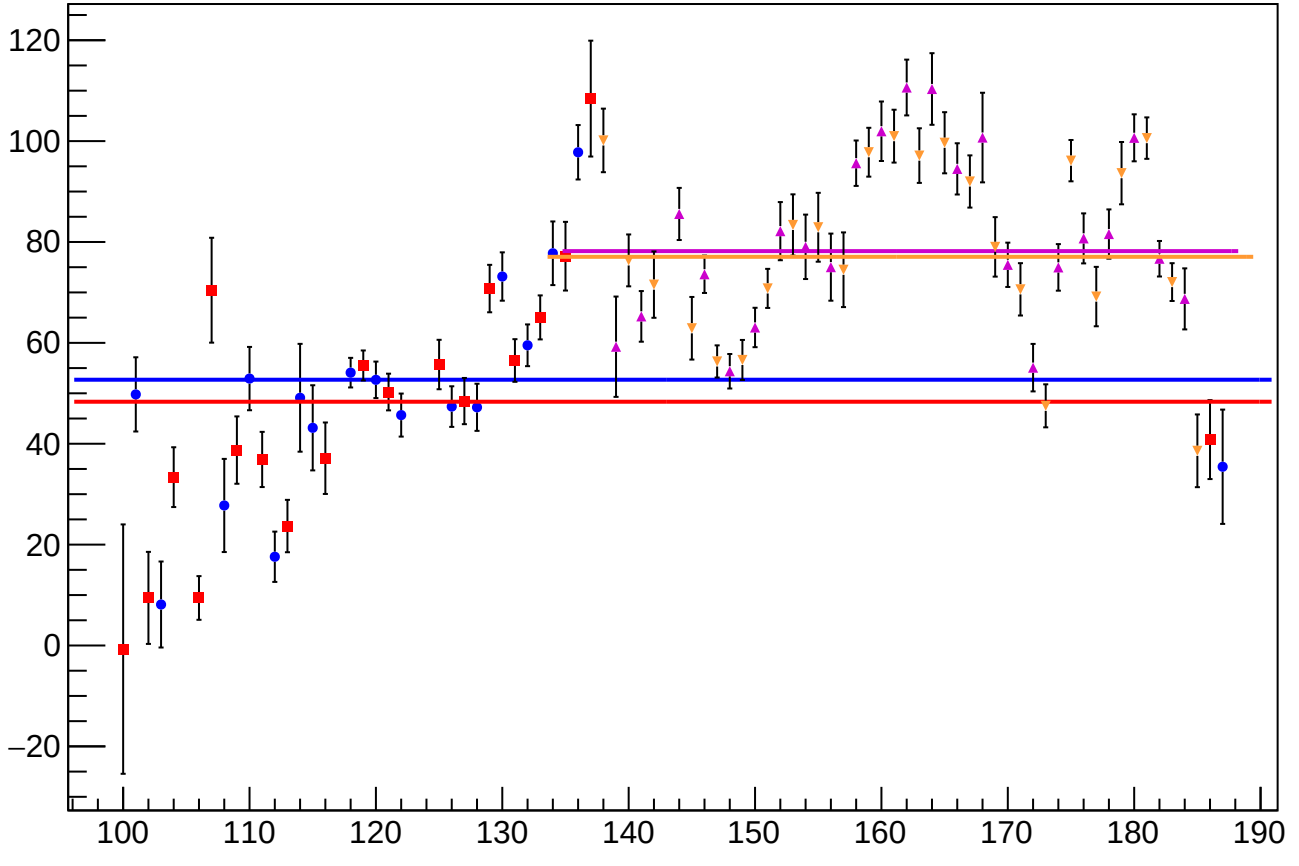
Right: 194.742+/-0.795 χ^2/NDF: 9231.9/35

In: 205.753+/-0.830 χ^2/NDF:4875.2/39

Out: 192.676+/-0.796 χ^2/NDF:8966.5/42

All: 198.944+/-0.574 χ^2/NDF: 13971.0/82

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.692+/-1.234 χ^2/NDF: 200.7/16

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 48.330+/-1.200 χ^2/NDF: 240.9/18

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

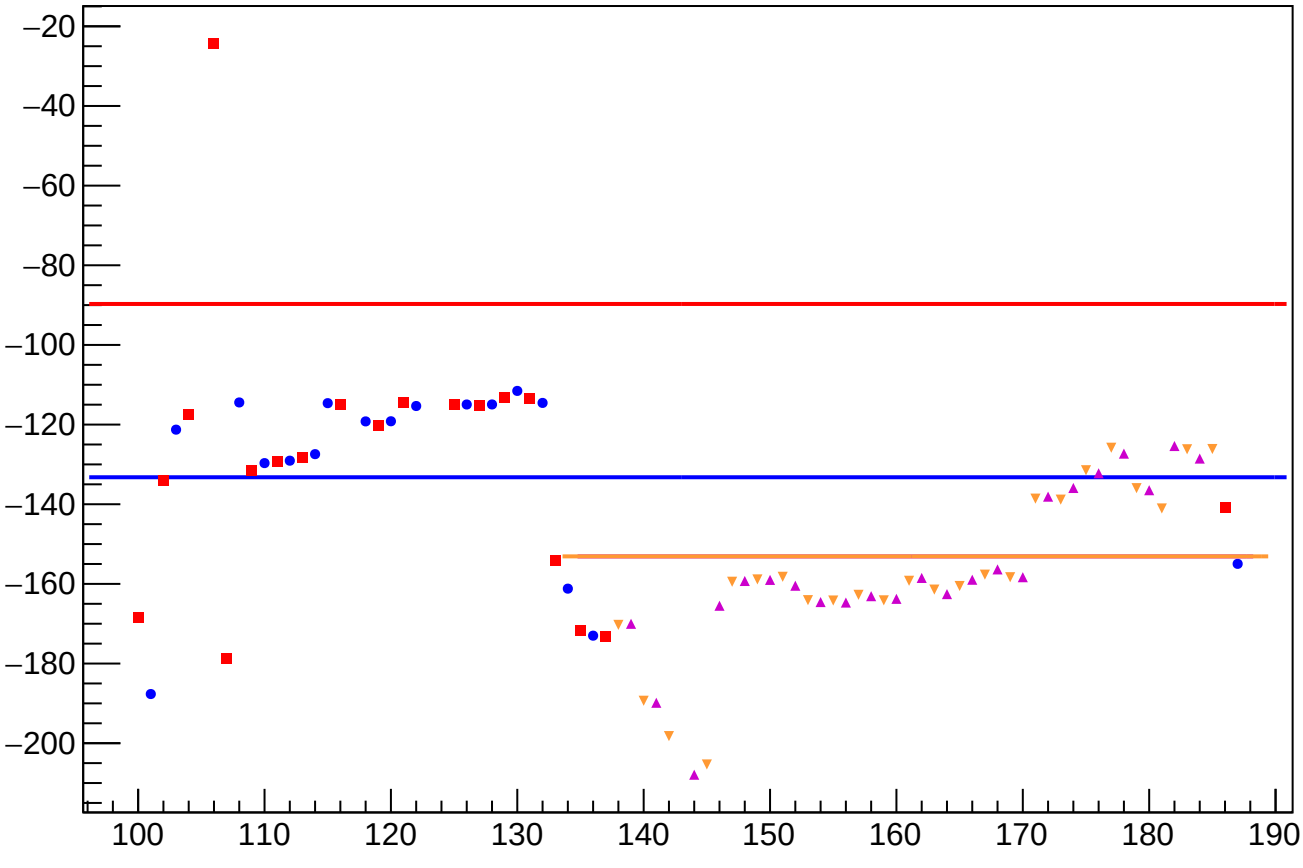
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 50.449+/-0.860 χ^2/NDF: 448.0/35

In: 67.774+/-0.789 χ^2/NDF:685.7/39

Out: 65.075+/-0.775 χ^2/NDF:886.4/42

All: 66.400+/-0.553 χ^2/NDF: 1578.0/82



Right In: -133.224+/-0.081 χ^2/NDF: 94727.9/16

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -89.714+/-0.064 χ^2/NDF: 736848.9/18

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

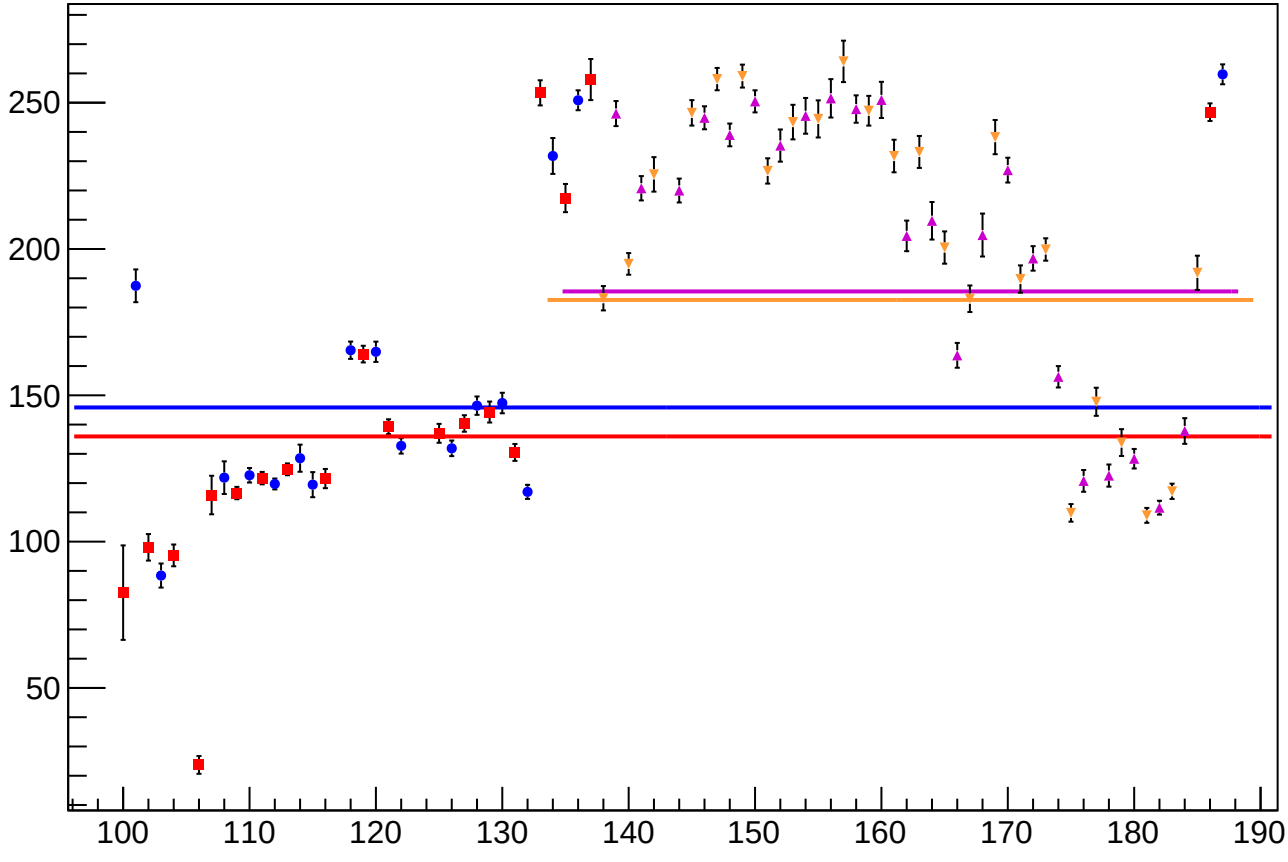
Right: -106.436+/-0.050 χ^2/NDF: 1010669.0/35

In: -148.124+/-0.040 χ^2/NDF:306883.5/39

Out: -130.817+/-0.038 χ^2/NDF:1555633.2/42

All: -138.898+/-0.028 χ^2/NDF: 1960474.3/82

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 145.851+/-0.765 χ^2/NDF: 3141.5/16

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 135.945+/-0.713 χ^2/NDF: 4561.1/18

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

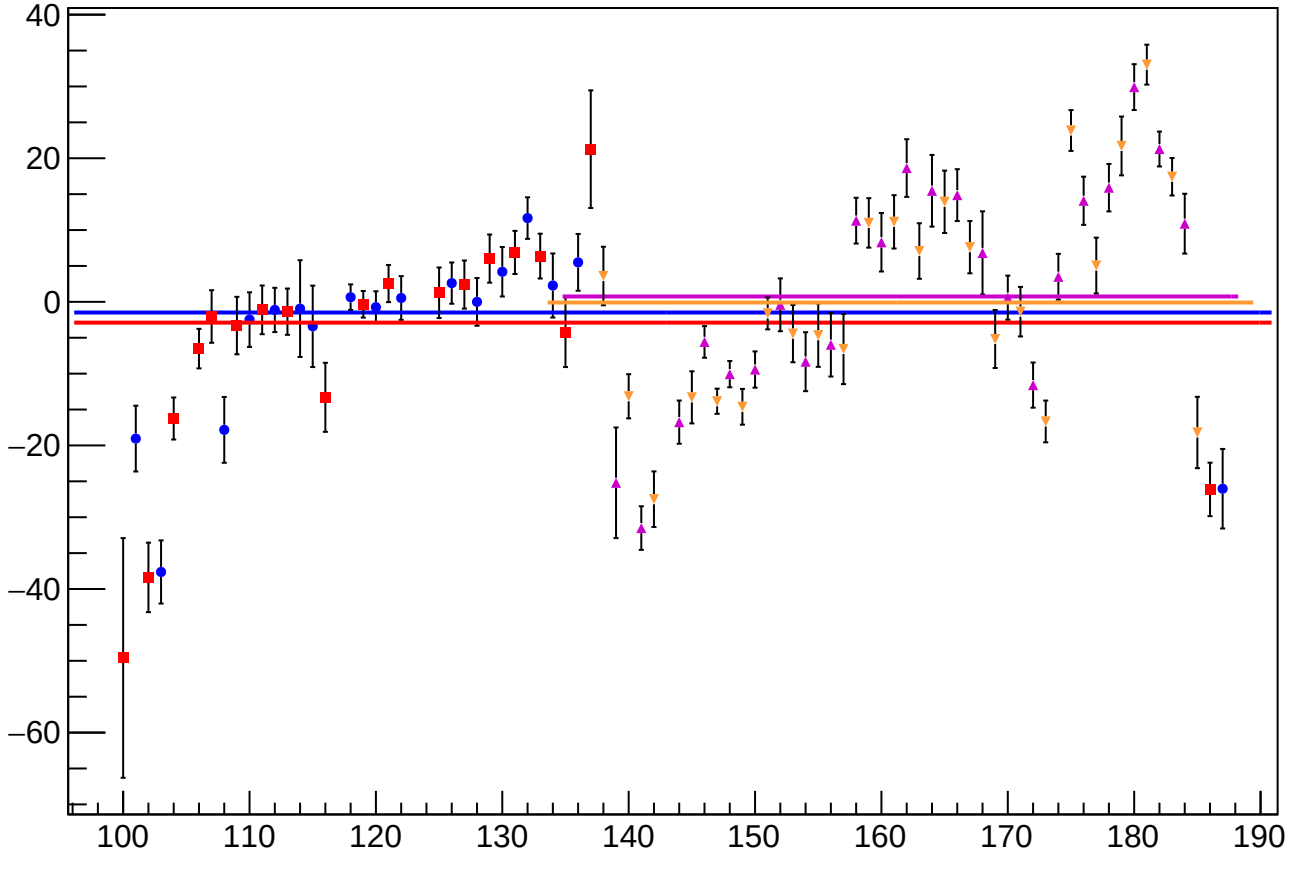
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 140.555+/-0.522 χ^2/NDF: 7792.3/35

In: 163.073+/-0.575 χ^2/NDF:8131.8/39

Out: 154.802+/-0.551 χ^2/NDF:10442.1/42

All: 158.758+/-0.398 χ^2/NDF: 18681.8/82



Right In: -1.485+/-0.800 χ^2/NDF: 146.1/16

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -2.896+/-0.767 χ^2/NDF: 173.8/18

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

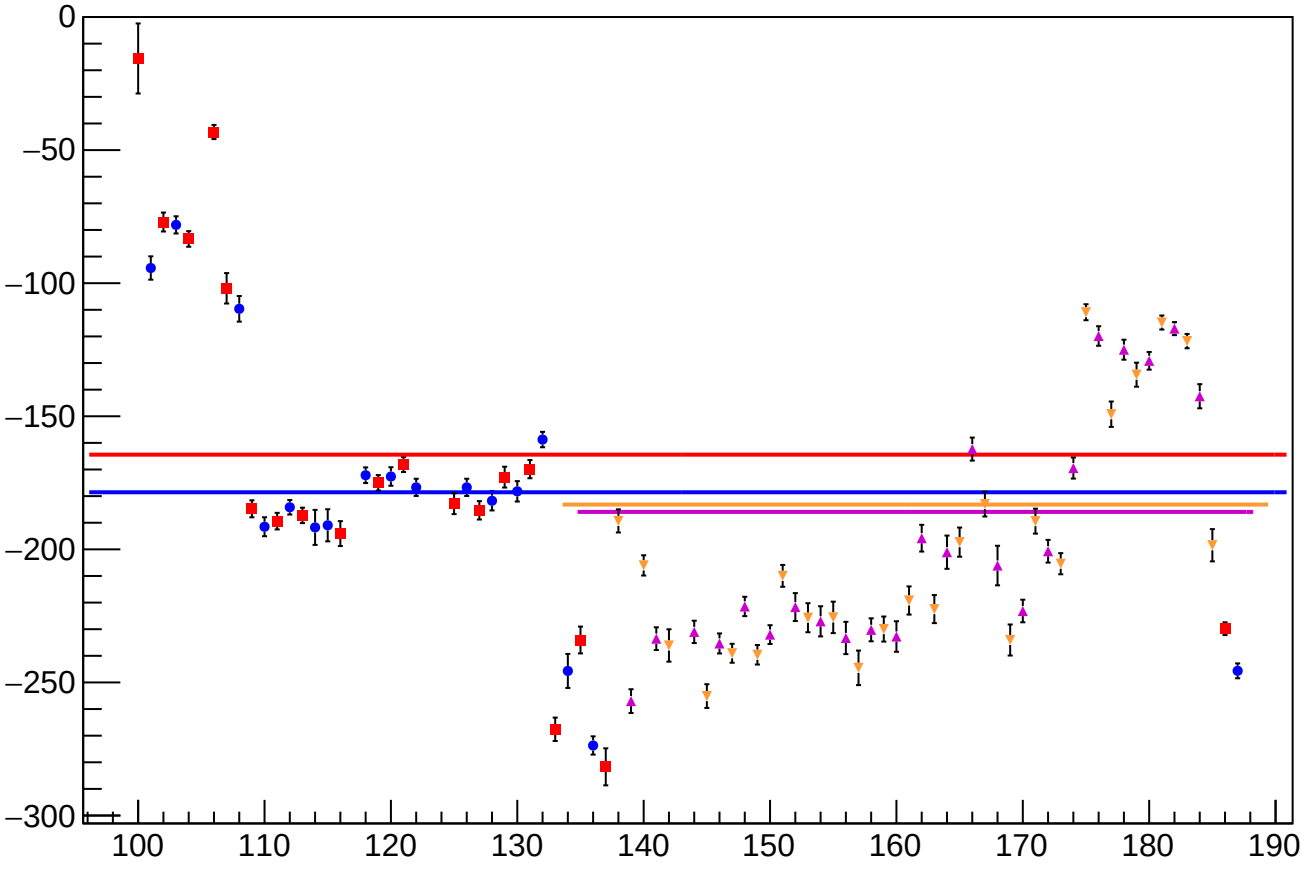
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -2.220+/-0.554 χ^2/NDF: 321.5/35

In: -0.166+/-0.511 χ^2/NDF:648.5/39

Out: -1.274+/-0.498 χ^2/NDF:736.8/42

All: -0.735+/-0.357 χ^2/NDF: 1387.7/82



Right In: -178.553+/-0.863 χ^2/NDF: 3078.1/16

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -164.422+/-0.799 χ^2/NDF: 5740.5/18

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

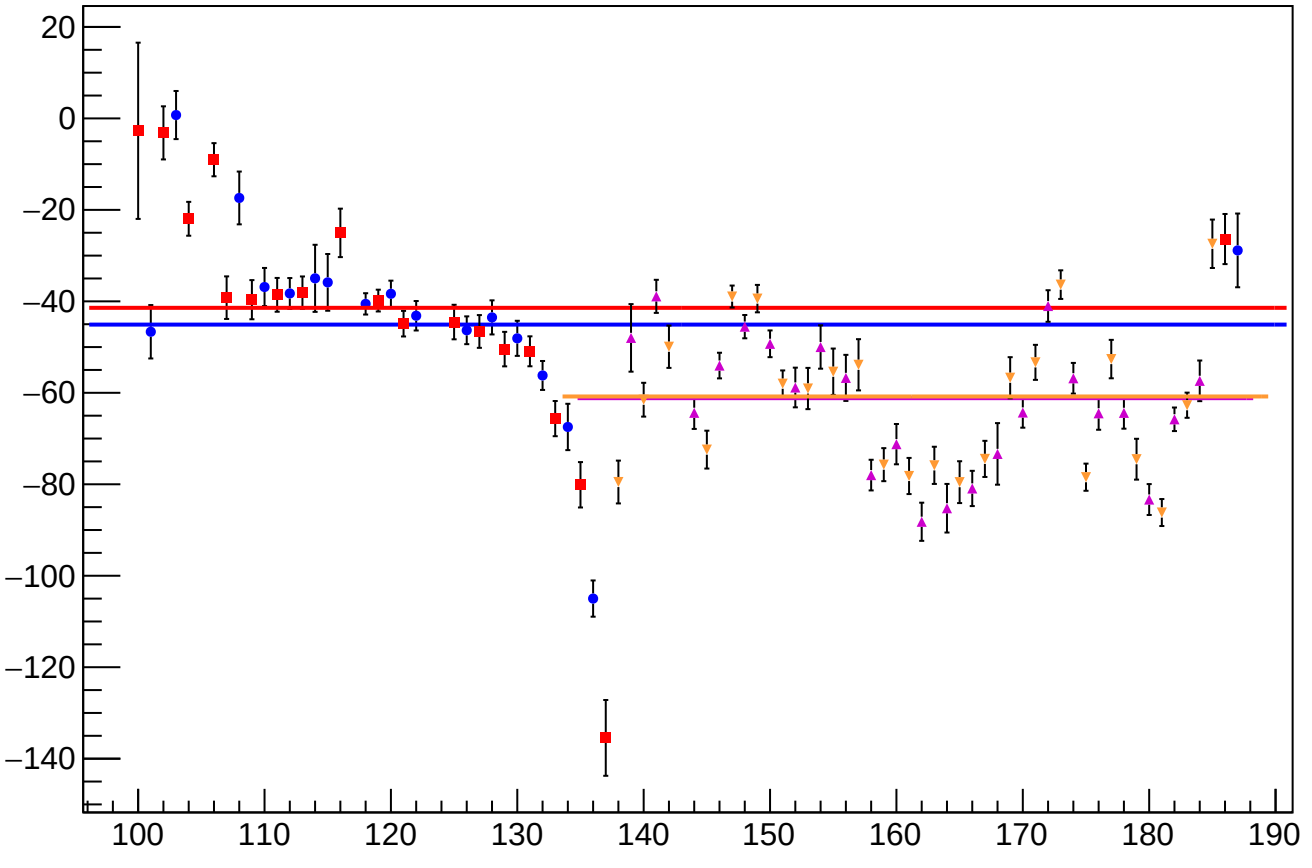
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -170.947+/-0.586 χ^2/NDF: 8963.0/35

In: -182.226+/-0.612 χ^2/NDF:6296.1/39

Out: -173.085+/-0.586 χ^2/NDF:9356.1/42

All: -177.461+/-0.423 χ^2/NDF: 15768.7/82



Right In: -45.085+/-0.931 χ^2/NDF: 386.1/16

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -41.418+/-0.897 χ^2/NDF: 422.0/18

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

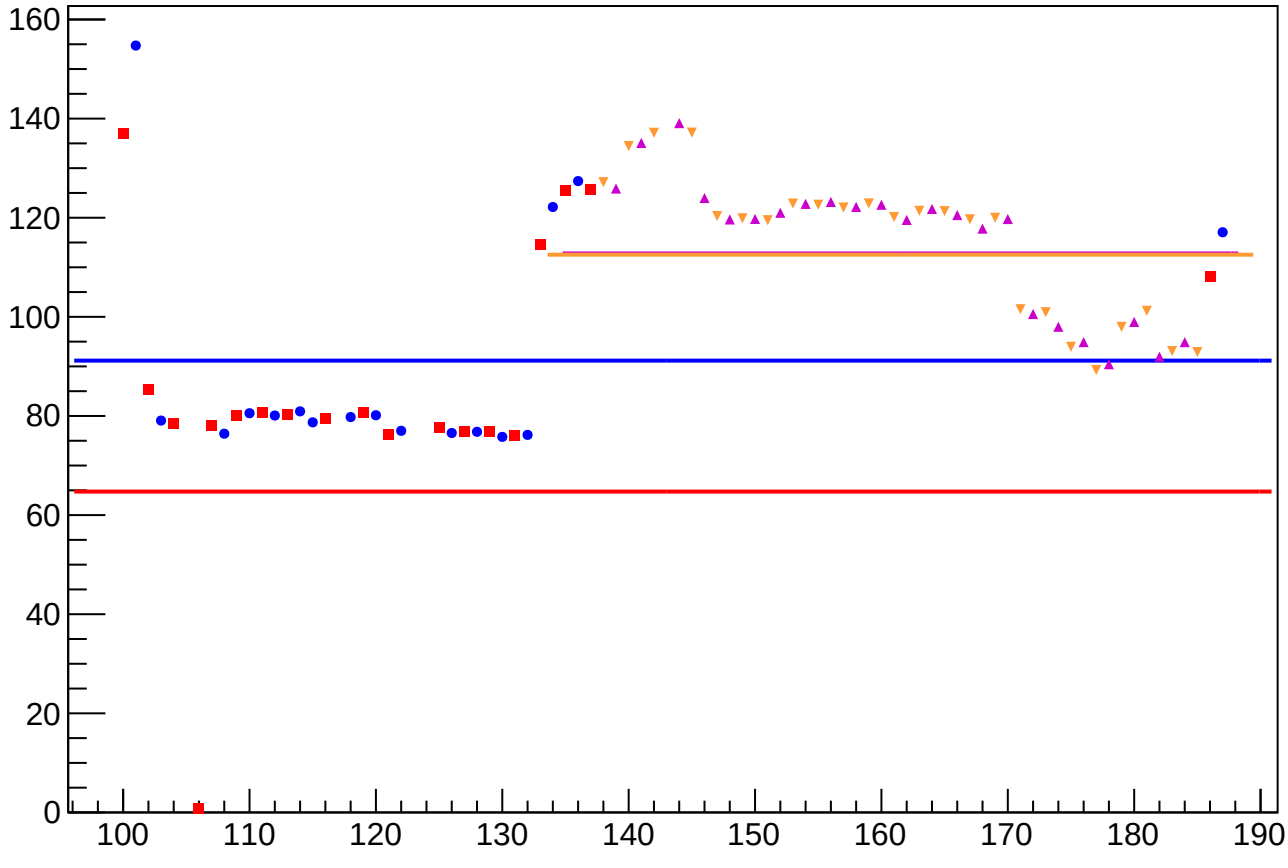
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -43.183+/-0.646 χ^2/NDF: 816.2/35

In: -54.774+/-0.587 χ^2/NDF:882.8/39

Out: -52.840+/-0.575 χ^2/NDF:1171.1/42

All: -53.786+/-0.411 χ^2/NDF: 2059.4/82



Right In: 91.166+/-0.058 χ^2/NDF: 164546.0/16

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 64.748+/-0.049 χ^2/NDF: 673423.1/18

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

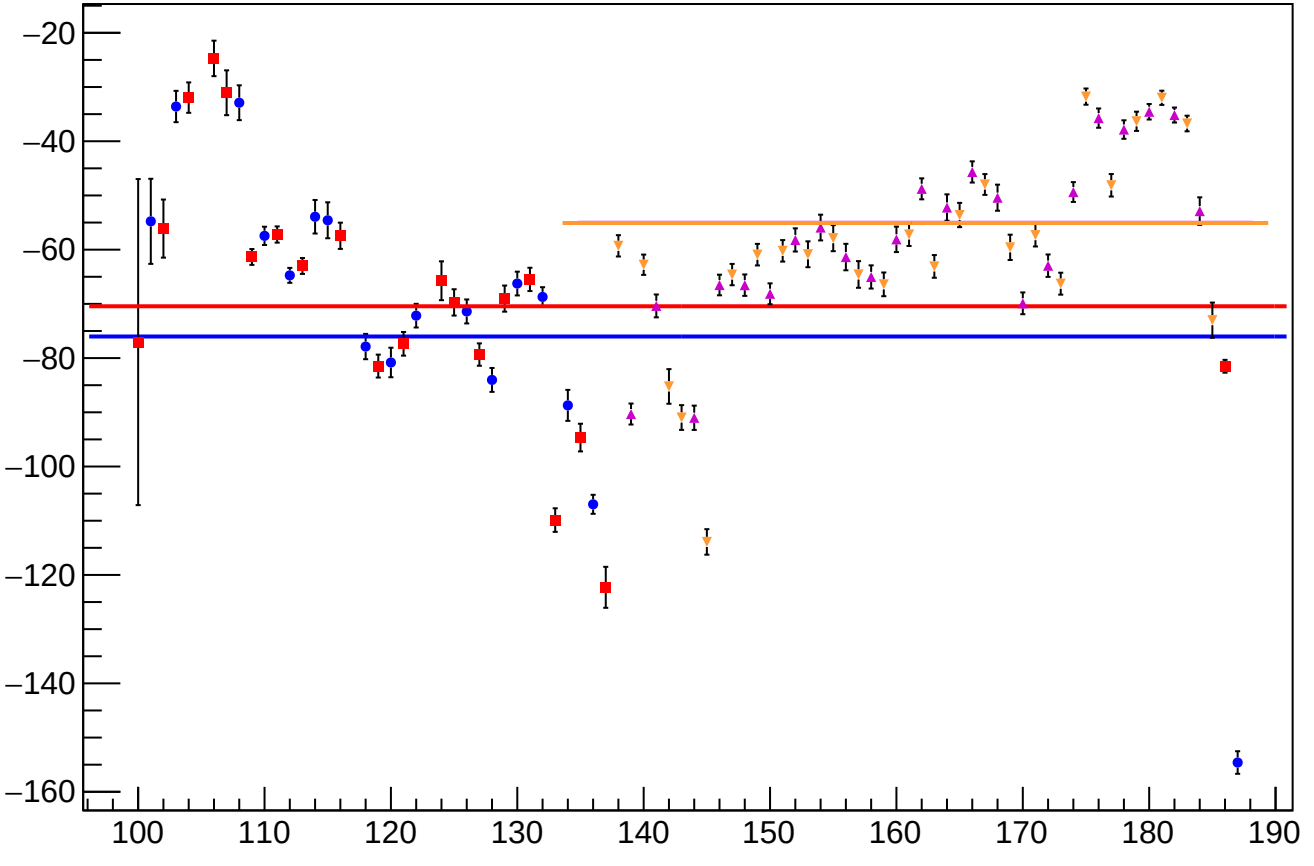
Right: 75.728+/-0.037 χ^2/NDF: 959242.4/35

In: 107.157+/-0.030 χ^2/NDF:439047.3/39

Out: 96.609+/-0.028 χ^2/NDF:1484492.5/42

All: 101.634+/-0.020 χ^2/NDF: 1990008.8/82

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -76.016+/-0.539 χ^2/NDF: 2502.2/16

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -70.441+/-0.481 χ^2/NDF: 1410.6/19

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

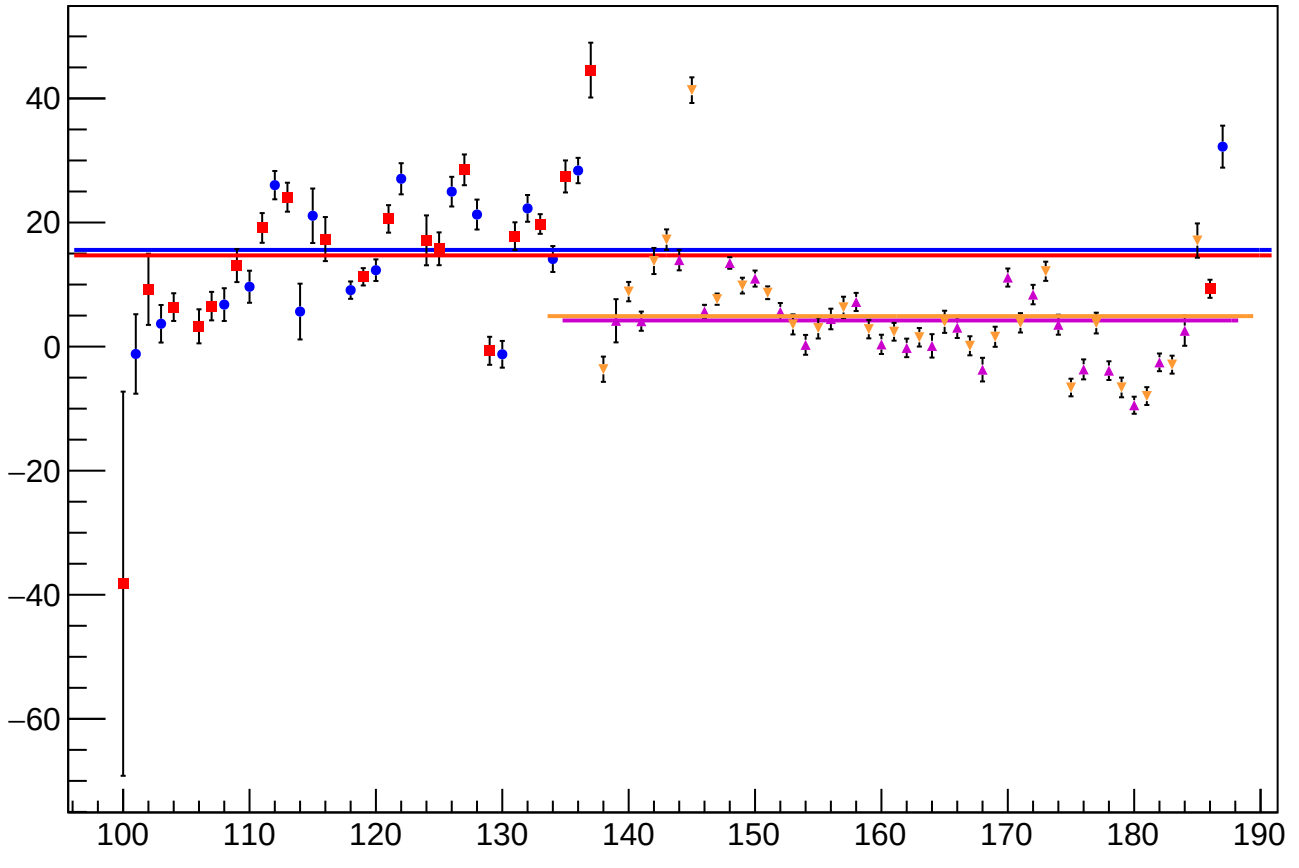
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -72.915+/-0.359 χ^2/NDF: 3972.3/36

In: -62.750+/-0.327 χ^2/NDF:5002.2/39

Out: -61.365+/-0.308 χ^2/NDF:4015.6/44

All: -62.017+/-0.224 χ^2/NDF: 9027.3/84



Right In: 15.583+/-0.573 χ^2/NDF: 267.4/16

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.701+/-0.521 χ^2/NDF: 254.9/19

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

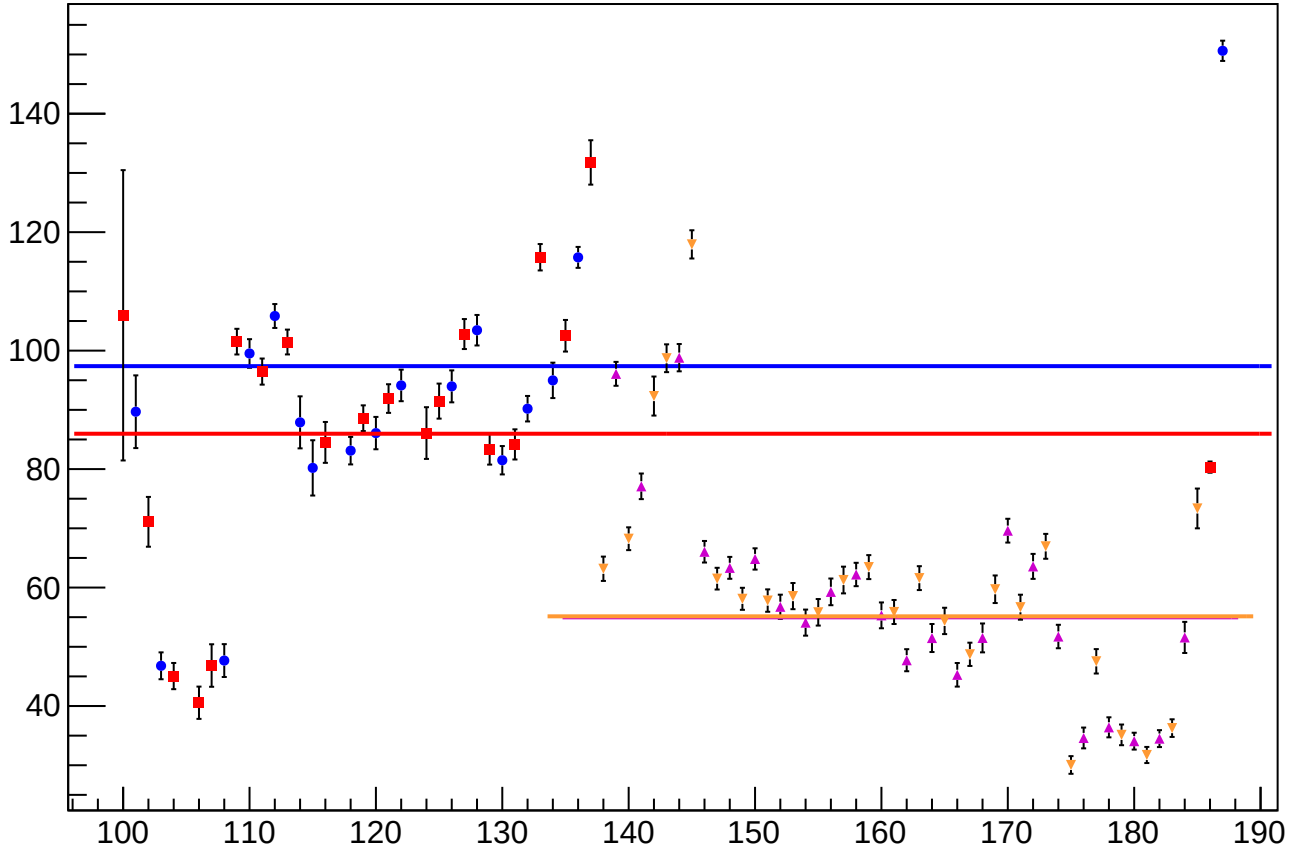
Right: 15.101+/-0.385 χ^2/NDF: 523.6/36

In: 6.822+/-0.274 χ^2/NDF:986.2/39

Out: 7.363+/-0.261 χ^2/NDF:1260.9/44

All: 7.106+/-0.189 χ^2/NDF: 2249.1/84

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 97.381+/-0.600 χ^2/NDF: 2053.2/16

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 85.970+/-0.517 χ^2/NDF: 1339.6/19

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

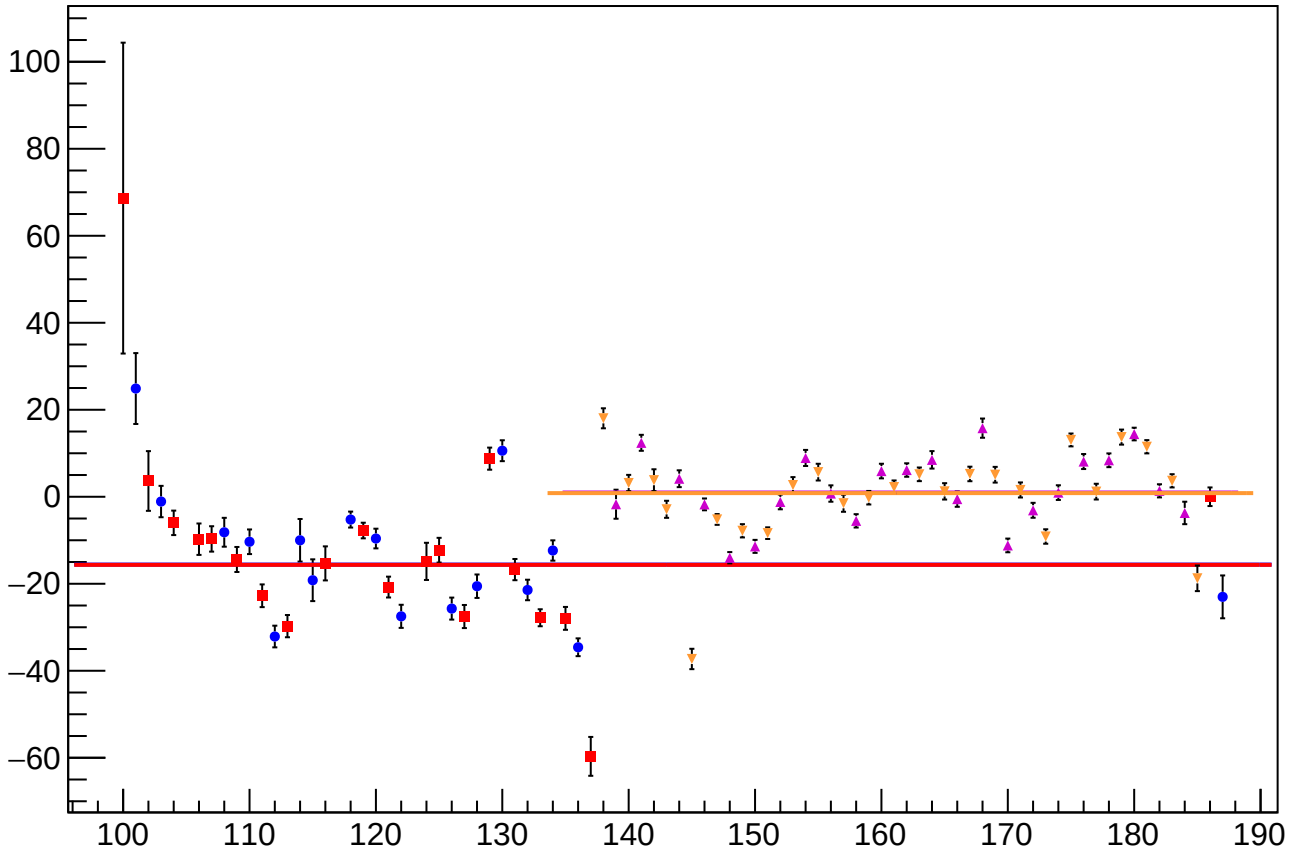
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 90.832+/-0.392 χ^2/NDF: 3600.4/36

In: 68.274+/-0.336 χ^2/NDF:7263.1/39

Out: 66.577+/-0.315 χ^2/NDF:5819.6/44

All: 67.370+/-0.230 χ^2/NDF: 13096.3/84



Right In: -15.589+/-0.659 χ^2/NDF: 388.8/16

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -15.650+/-0.616 χ^2/NDF: 419.4/19

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

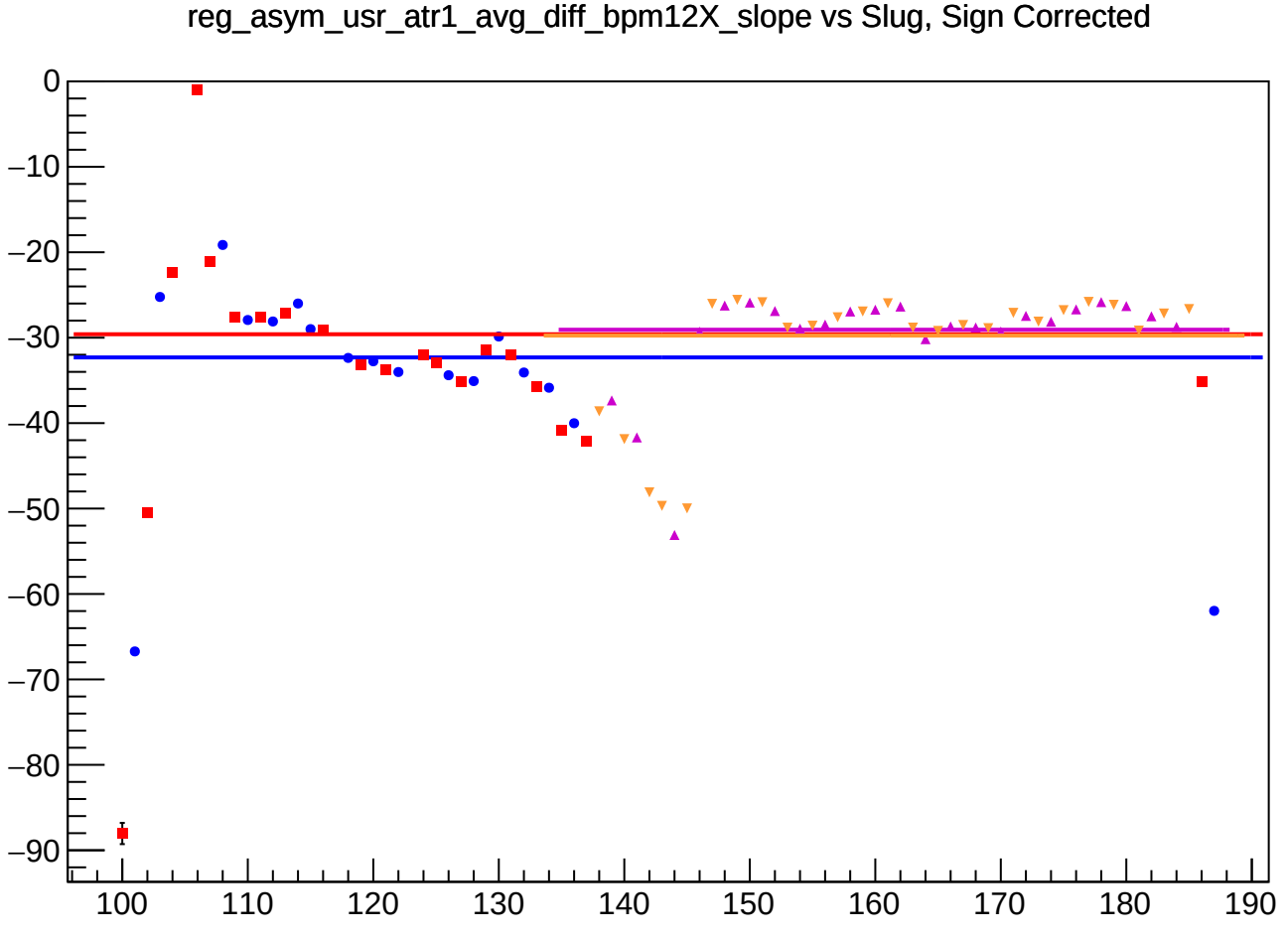
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -15.621+/-0.450 χ^2/NDF: 808.2/36

In: -2.716+/-0.311 χ^2/NDF:1437.8/39

Out: -3.057+/-0.300 χ^2/NDF:1683.1/44

All: -2.893+/-0.216 χ^2/NDF: 3121.6/84



Right In: -32.310+/-0.038 χ^2/NDF: 51577.2/16

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -29.597+/-0.037 χ^2/NDF: 96621.4/19

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

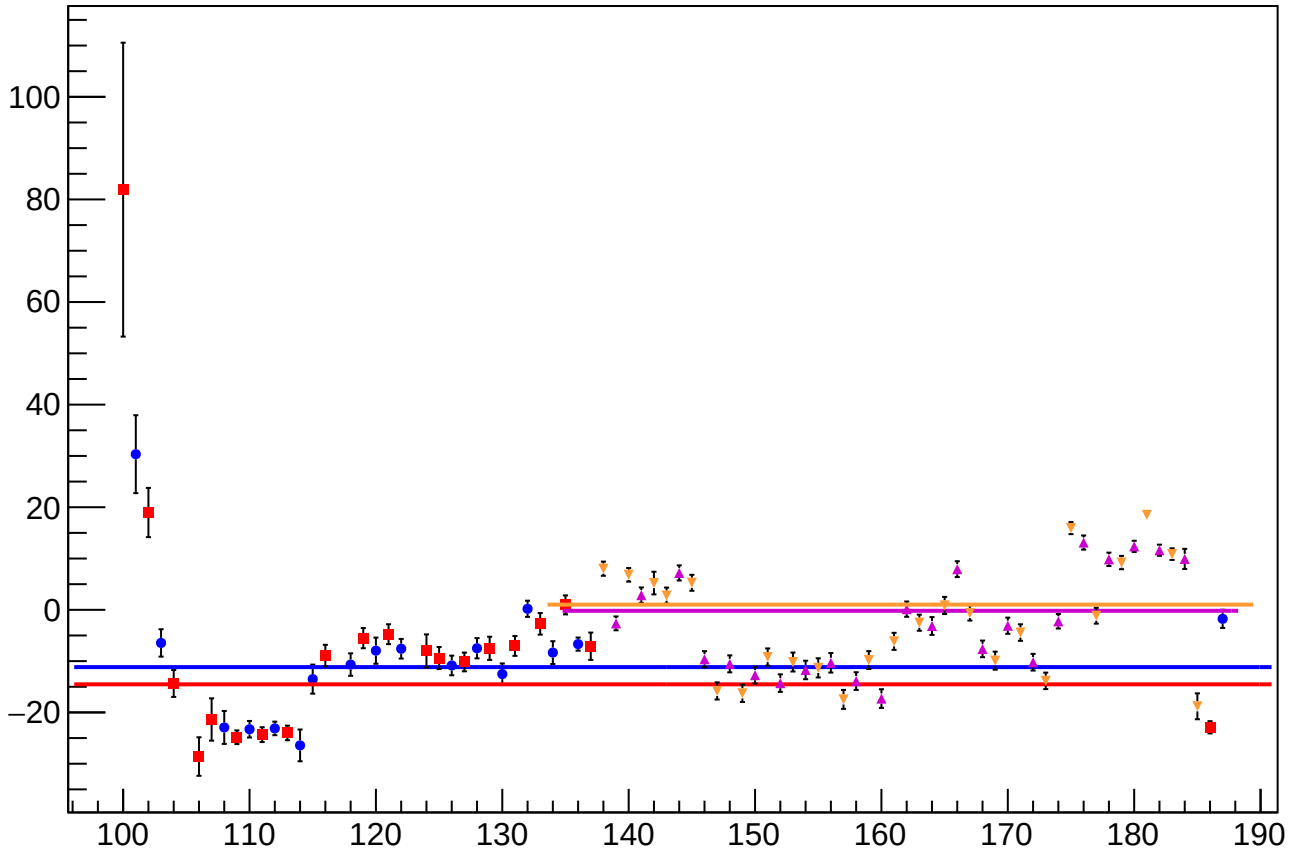
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -30.923+/-0.027 χ^2/NDF: 150787.2/36

In: -29.542+/-0.015 χ^2/NDF:159294.2/39

Out: -29.731+/-0.014 χ^2/NDF:260189.0/44

All: -29.638+/-0.010 χ^2/NDF: 419568.2/84



Right In: -11.167+/-0.478 χ^2/NDF: 312.5/16

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -14.527+/-0.445 χ^2/NDF: 478.8/19

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

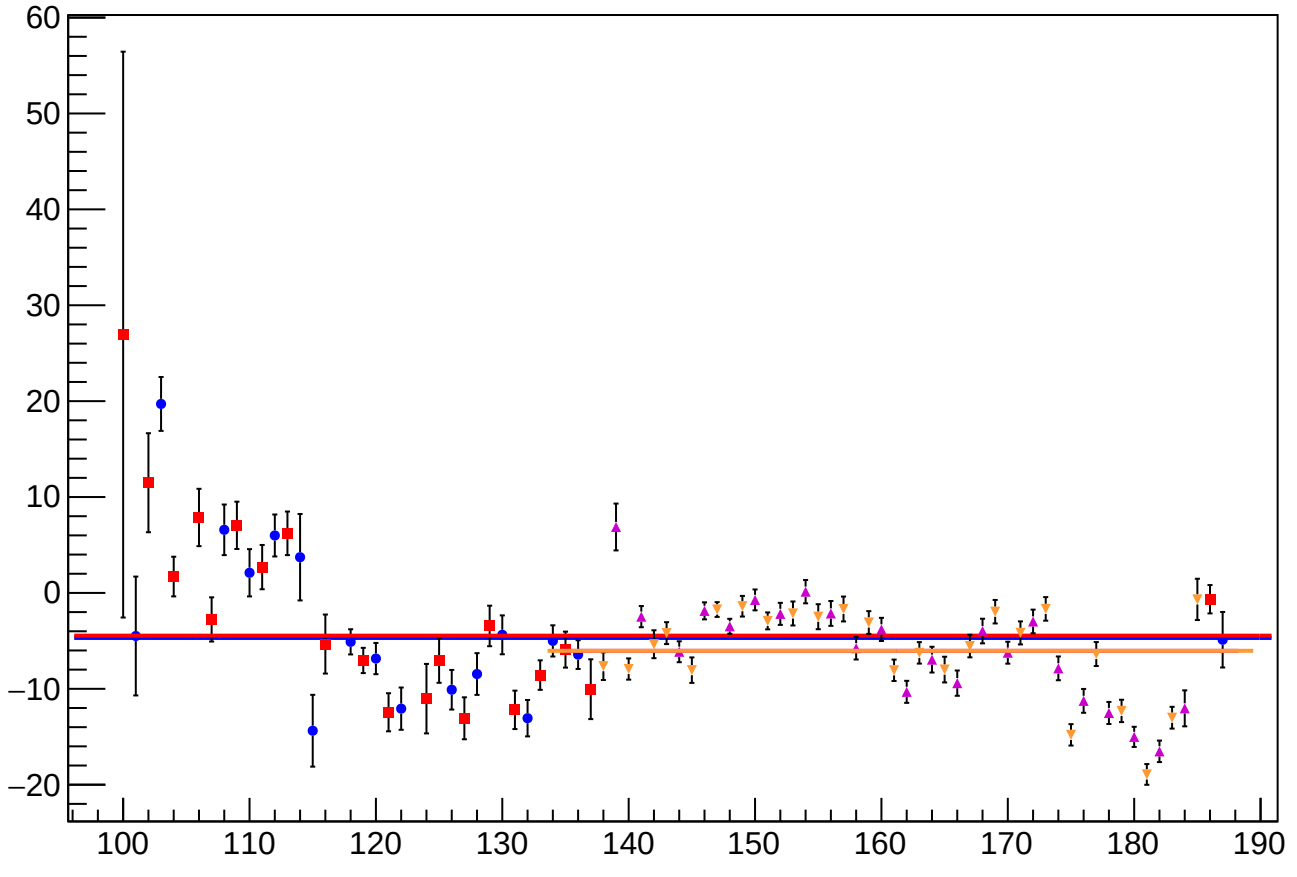
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -12.966+/-0.326 χ^2/NDF: 817.7/36

In: -3.506+/-0.263 χ^2/NDF:1662.8/39

Out: -3.942+/-0.252 χ^2/NDF:2643.2/44

All: -3.733+/-0.182 χ^2/NDF: 4307.5/84



Right In: -4.692+/-0.509 χ^2/NDF: 179.1/16

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -4.456+/-0.484 χ^2/NDF: 163.3/19

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

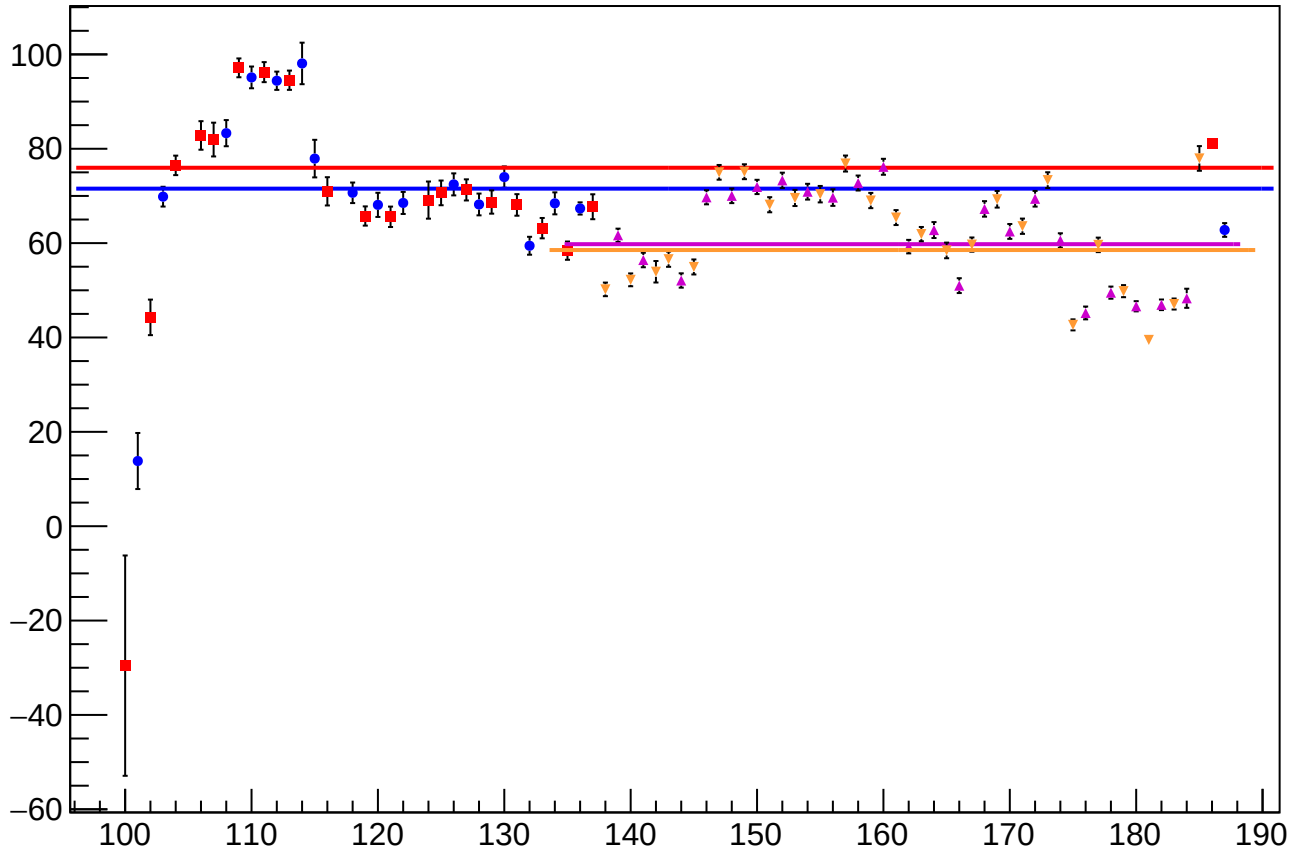
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -4.568+/-0.351 χ^2/NDF: 342.4/36

In: -5.793+/-0.219 χ^2/NDF:581.0/39

Out: -5.738+/-0.210 χ^2/NDF:586.8/44

All: -5.764+/-0.152 χ^2/NDF: 1167.9/84



Right In: 71.547+/-0.527 χ^2/NDF: 492.3/16

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 75.973+/-0.484 χ^2/NDF: 624.1/19

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

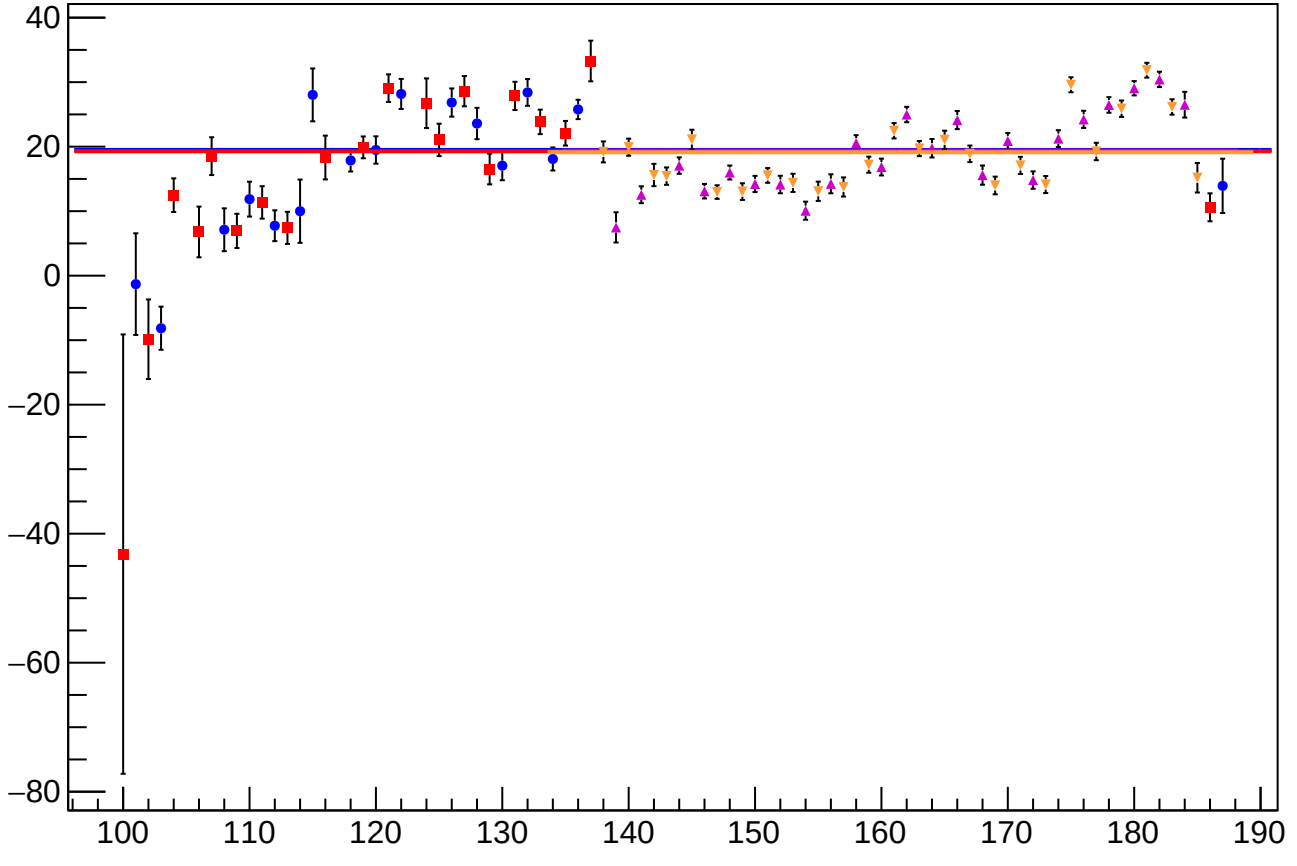
Right: 73.946+/-0.357 χ^2/NDF: 1154.7/36

In: 62.825+/-0.268 χ^2/NDF:1932.4/39

Out: 63.436+/-0.257 χ^2/NDF:3004.8/44

All: 63.144+/-0.186 χ^2/NDF: 4939.8/84

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.490+/-0.580 χ^2/NDF: 197.8/16

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 19.285+/-0.565 χ^2/NDF: 198.6/19

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

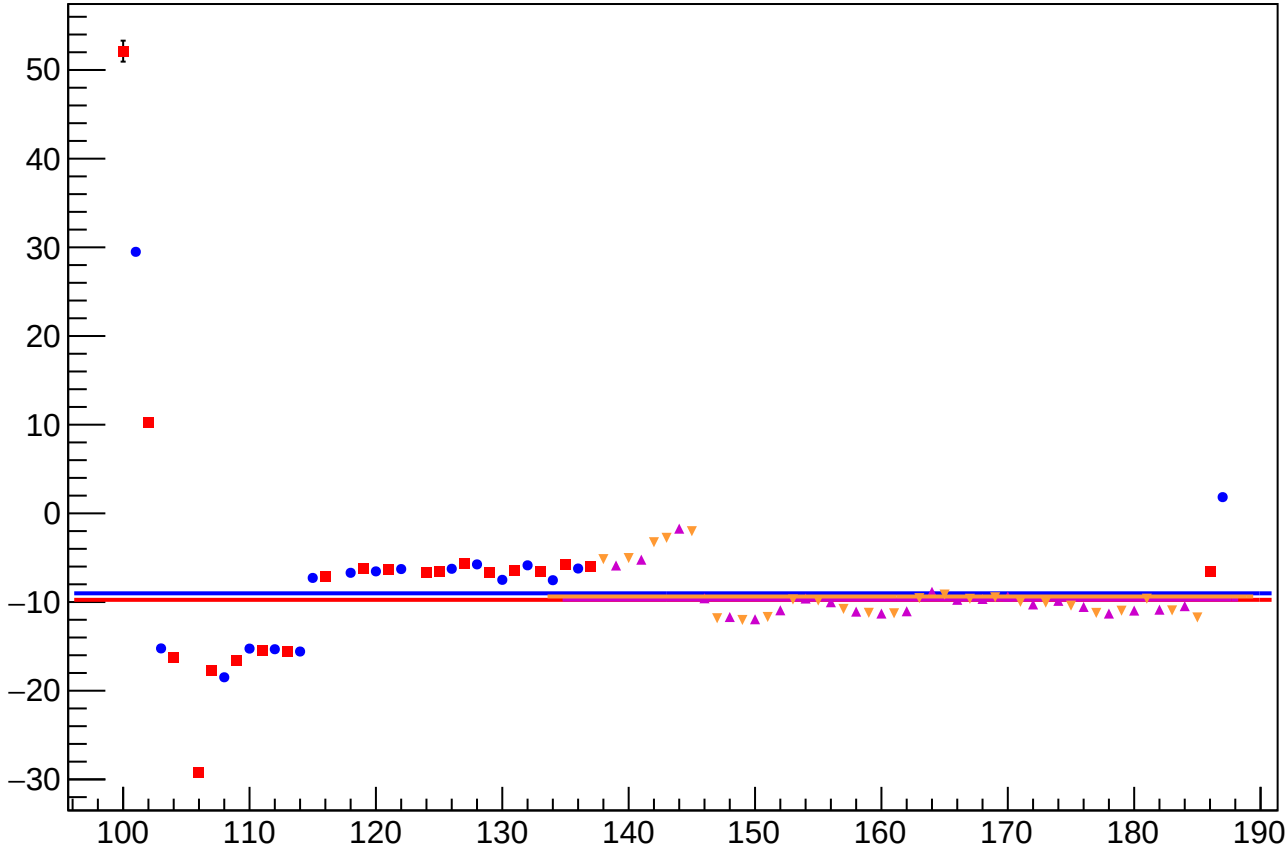
Right: 19.385+/-0.405 χ^2/NDF: 396.4/36

In: 19.408+/-0.247 χ^2/NDF:665.5/39

Out: 19.165+/-0.239 χ^2/NDF:632.4/44

All: 19.282+/-0.172 χ^2/NDF: 1298.4/84

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.017+/-0.033 χ^2/NDF: 33393.6/16

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -9.752+/-0.034 χ^2/NDF: 54316.9/19

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

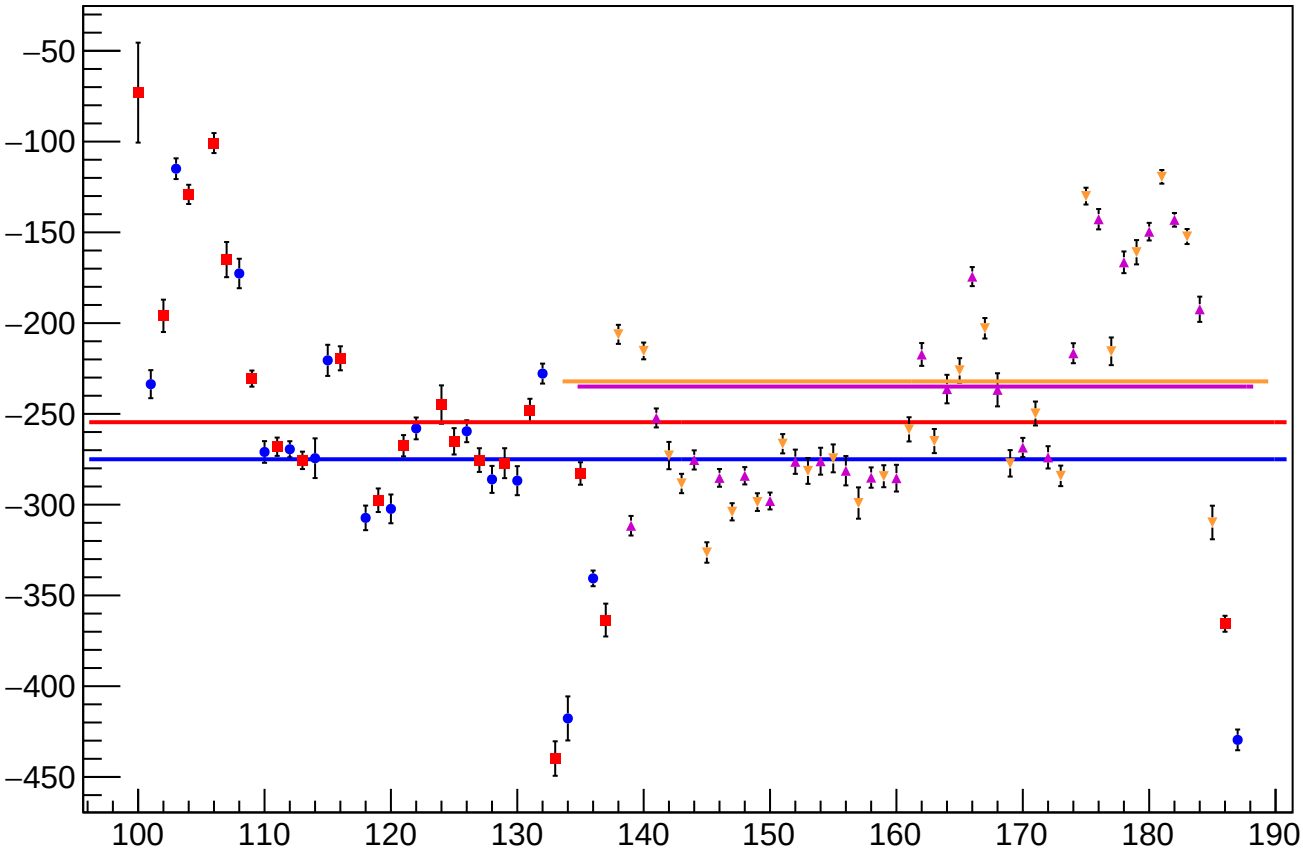
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -9.373+/-0.023 χ^2/NDF: 87957.9/36

In: -9.639+/-0.011 χ^2/NDF:65762.5/39

Out: -9.417+/-0.011 χ^2/NDF:104363.6/44

All: -9.527+/-0.008 χ^2/NDF: 170321.4/84



Right In: -274.995+/-1.553 χ^2/NDF: 2246.0/16

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -254.580+/-1.425 χ^2/NDF: 2851.3/19

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

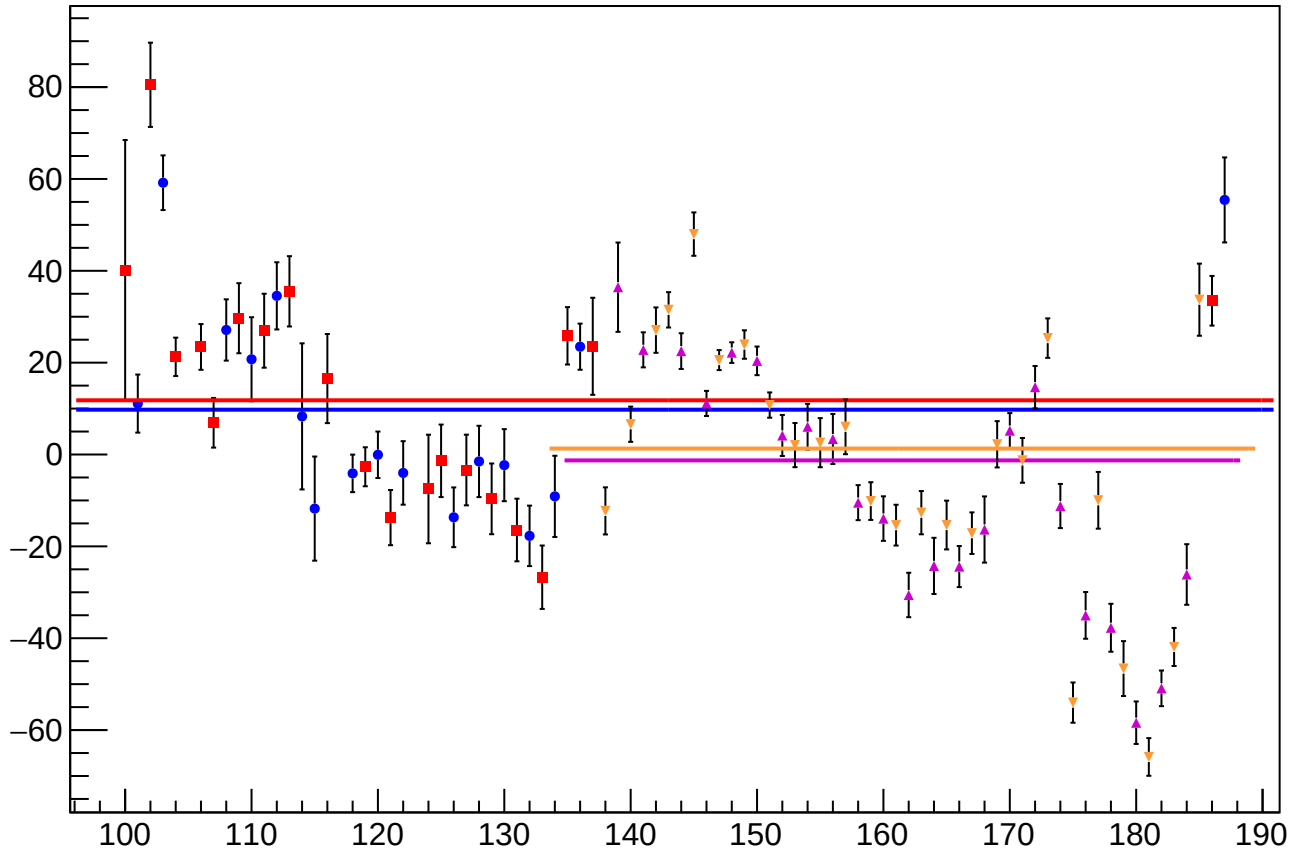
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -263.911+/-1.050 χ^2/NDF: 5191.2/36

In: -249.541+/-0.937 χ^2/NDF:5138.9/39

Out: -240.897+/-0.892 χ^2/NDF:6272.8/44

All: -245.003+/-0.646 χ^2/NDF: 11456.4/84



Right In: 9.761+/-1.619 χ^2/NDF: 182.8/16

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 11.807+/-1.480 χ^2/NDF: 204.8/19

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

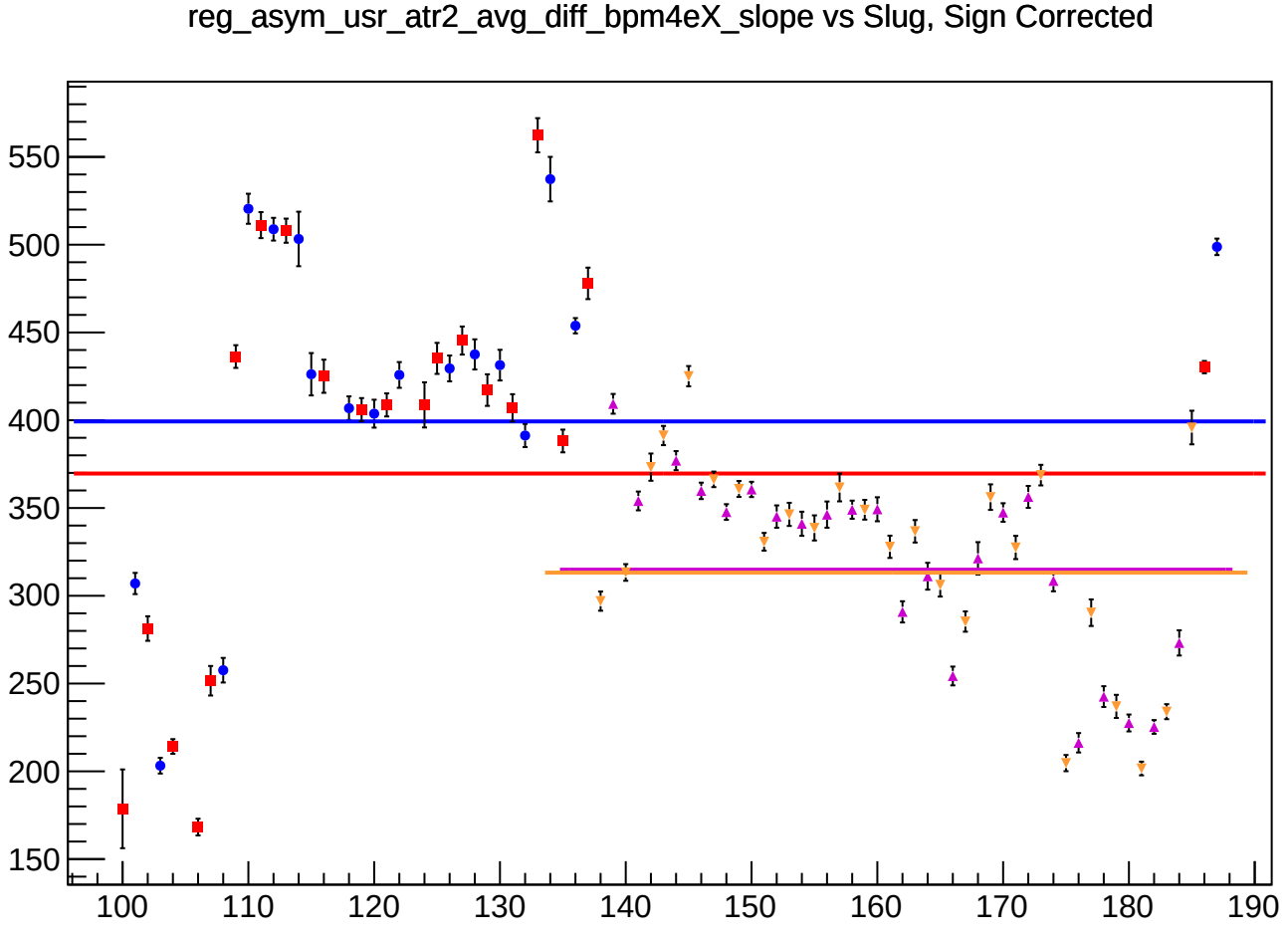
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 10.875+/-1.092 χ^2/NDF: 388.4/36

In: 1.189+/-0.766 χ^2/NDF:1030.1/39

Out: 3.842+/-0.728 χ^2/NDF:1292.5/44

All: 2.581+/-0.528 χ^2/NDF: 2328.9/84



Right In: 399.324+/-1.633 χ^2/NDF: 3885.2/16

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 369.643+/-1.490 χ^2/NDF: 5636.0/19

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

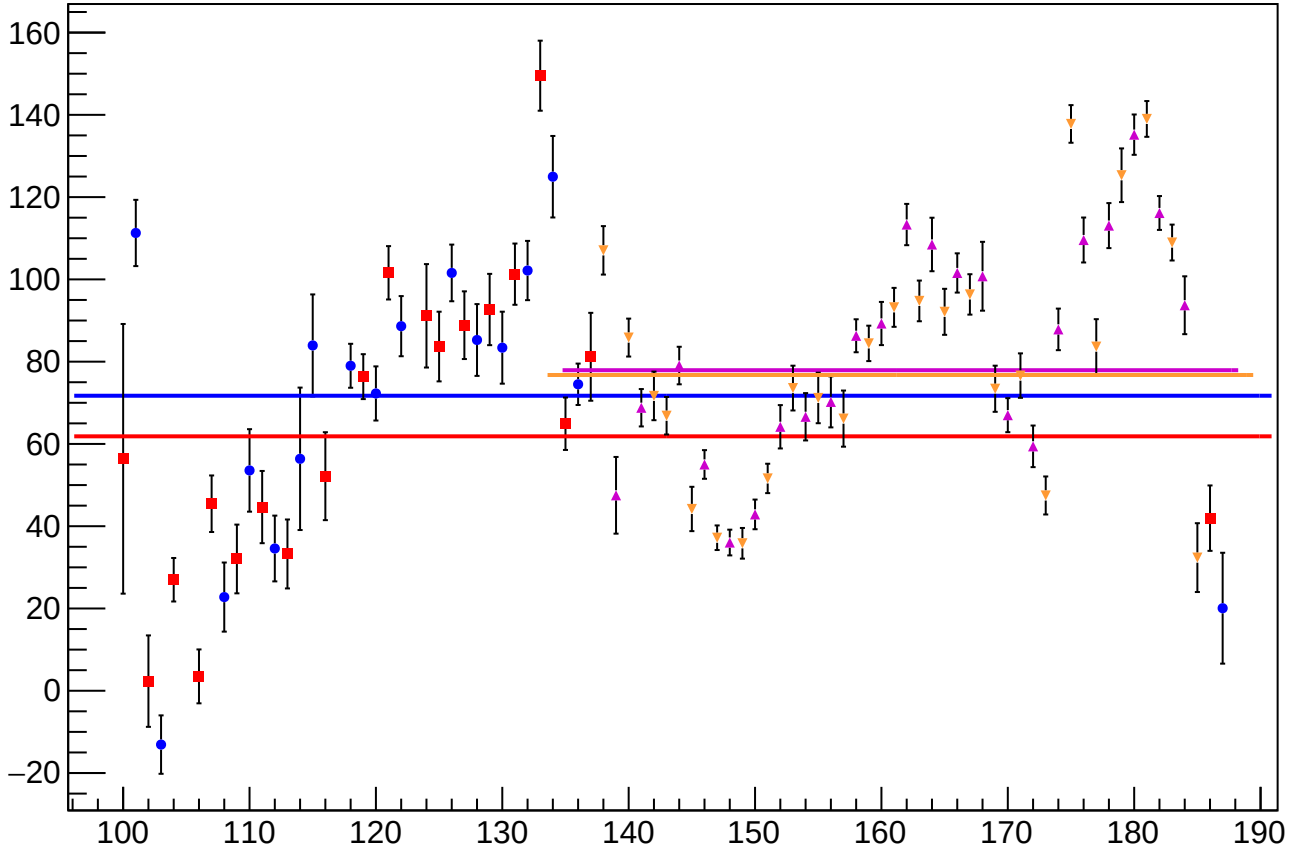
Right: 383.126+/-1.101 χ^2/NDF: 9701.5/36

In: 343.229+/-0.946 χ^2/NDF:8090.5/39

Out: 333.898+/-0.902 χ^2/NDF:9680.5/44

All: 338.341+/-0.653 χ^2/NDF: 17821.8/84

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.717+/-1.878 χ^2/NDF: 319.3/16

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 61.849+/-1.751 χ^2/NDF: 410.2/19

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

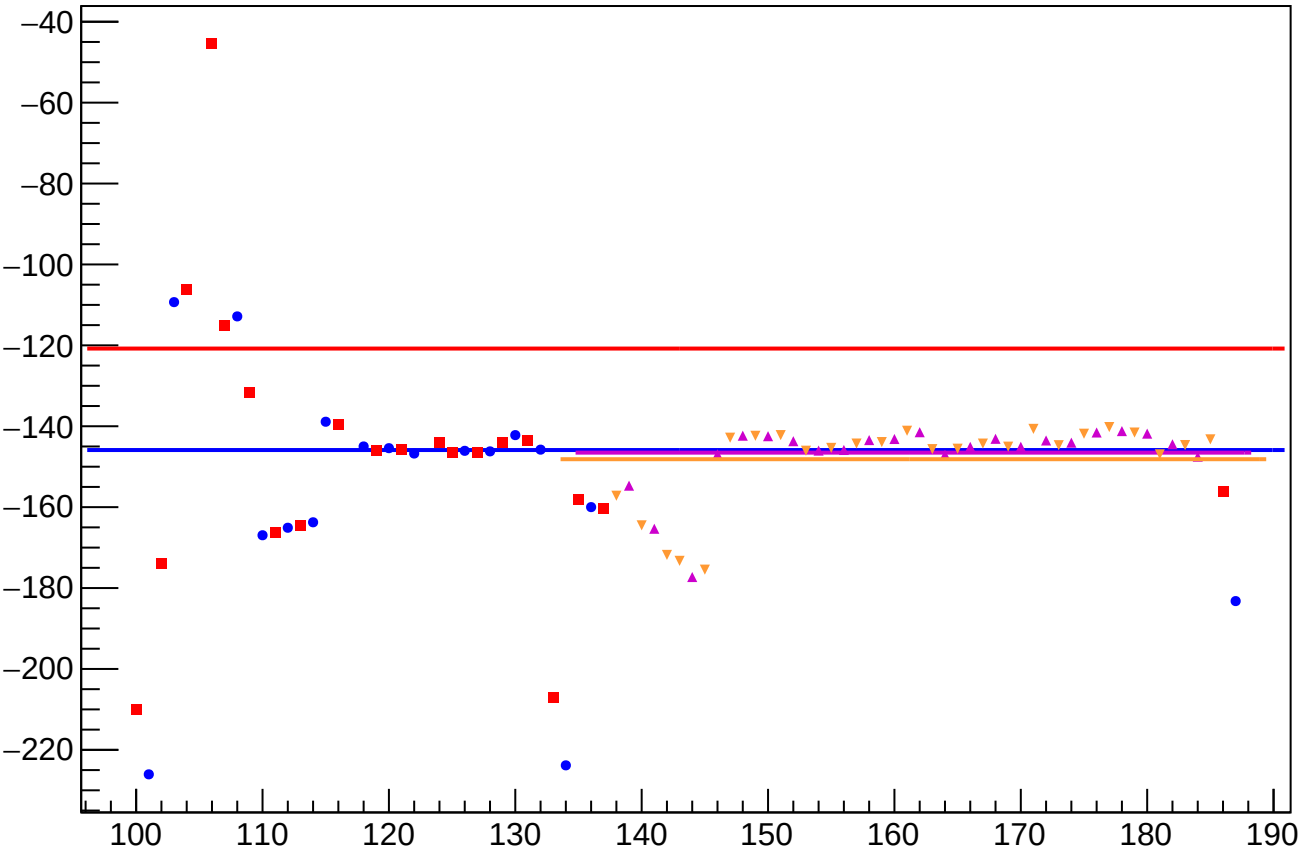
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 66.436+/-1.281 χ^2/NDF: 744.2/36

In: 76.559+/-0.881 χ^2/NDF:1111.6/39

Out: 73.275+/-0.846 χ^2/NDF:1501.1/44

All: 74.852+/-0.610 χ^2/NDF: 2620.0/84



Right In: -145.880+/-0.098 χ^2/NDF: 134547.6/16

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -120.794+/-0.088 χ^2/NDF: 274217.5/19

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

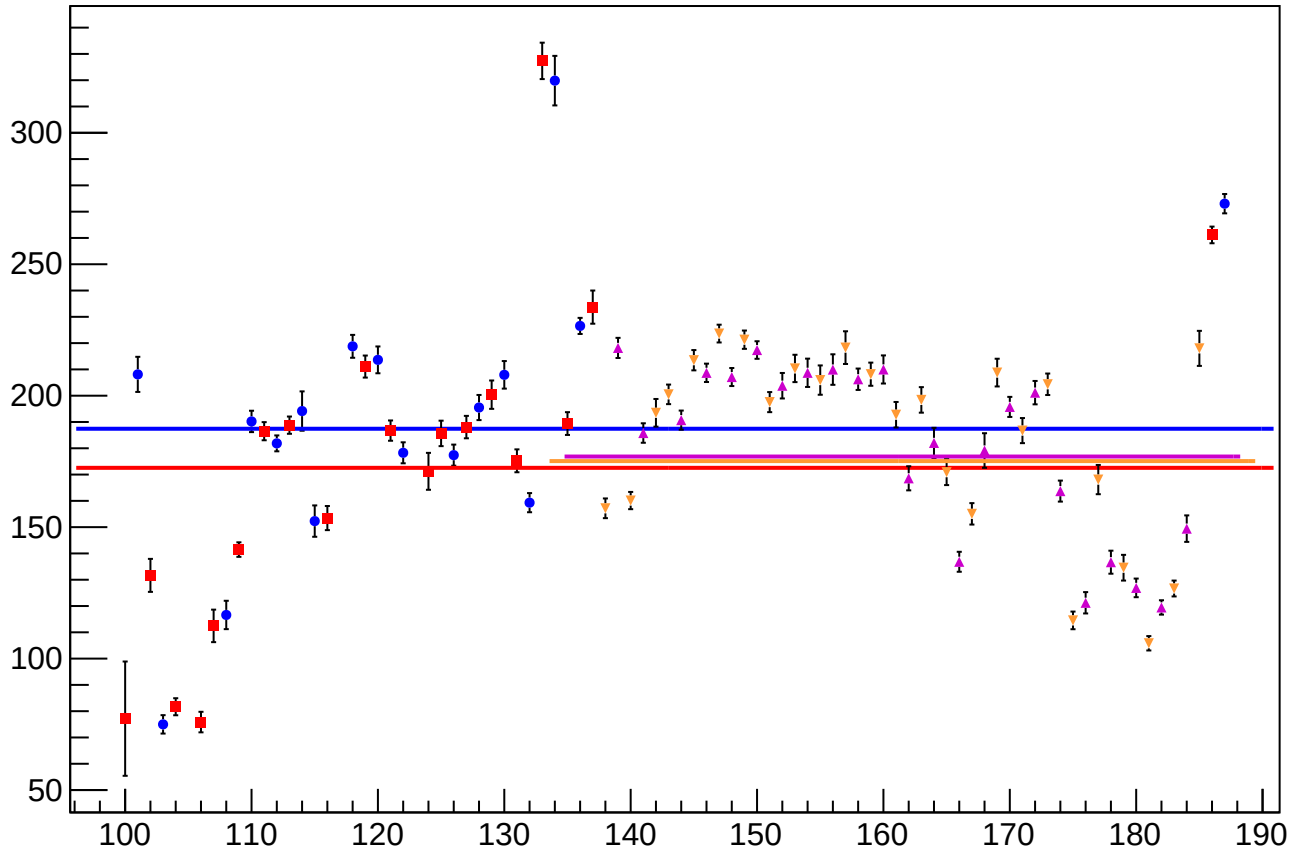
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

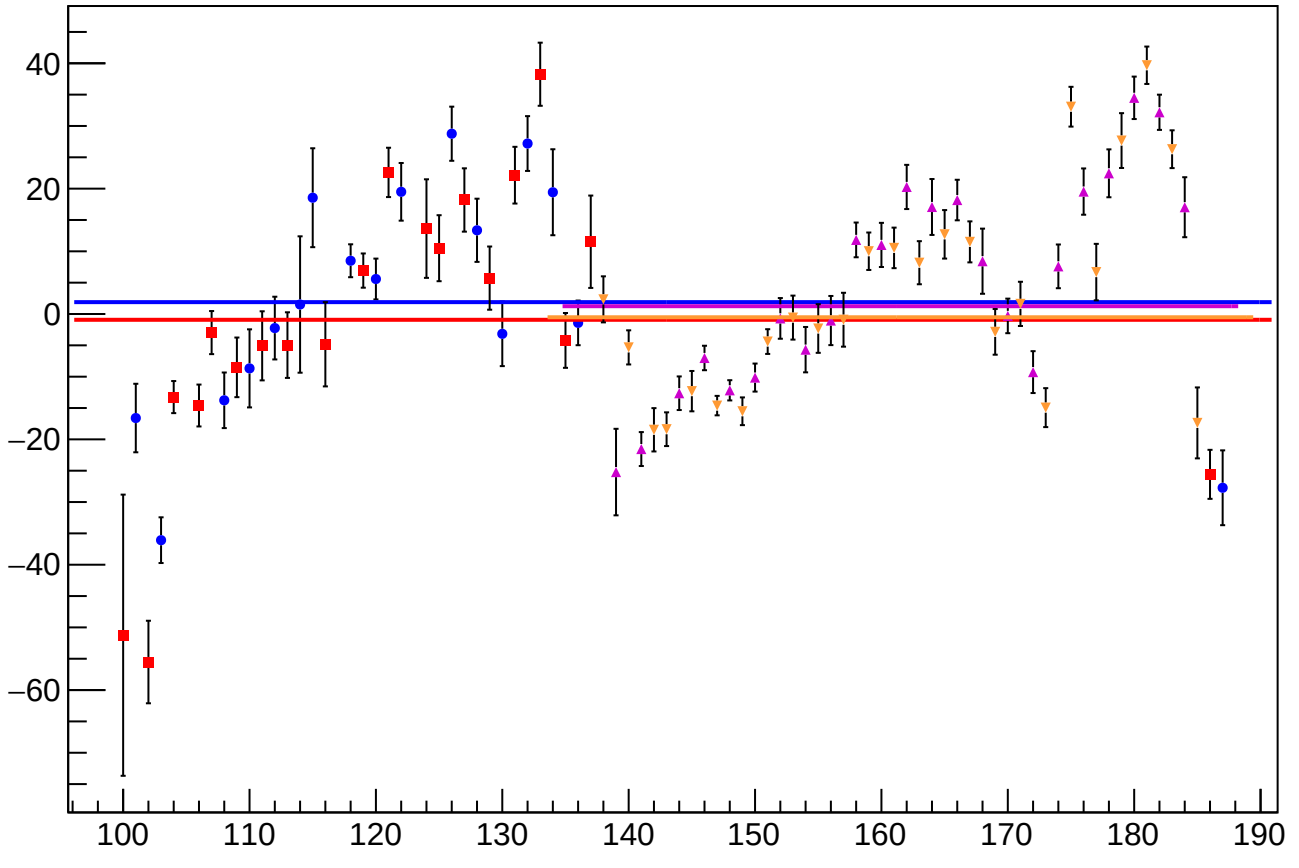
Right: -132.043+/-0.065 χ^2/NDF: 445272.4/36

In: -146.408+/-0.041 χ^2/NDF:163755.5/39

Out: -142.452+/-0.040 χ^2/NDF:399768.6/44

All: -144.374+/-0.029 χ^2/NDF: 568247.3/84


reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
190
Right In: 187.427+/-1.044 χ²/NDF: 2322.7/16
Left Out: 175.126+/-0.822 χ²/NDF:2295.2/24
Right Out: 172.562+/-0.954 χ²/NDF: 3277.2/19
Left In: 176.862+/-0.847 χ²/NDF:1756.1/22
Left: 175.968+/-0.590 χ²/NDF: 4053.4/47
Right: 179.330+/-0.704 χ²/NDF: 5710.4/36
In: 181.056+/-0.658 χ²/NDF:4140.6/39
Out: 174.034+/-0.623 χ²/NDF:5576.5/44
All: 177.354+/-0.452 χ²/NDF: 9777.2/84



Right In: 1.893+/-1.086 χ^2/NDF: 273.0/16

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -0.924+/-0.980 χ^2/NDF: 316.0/19

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

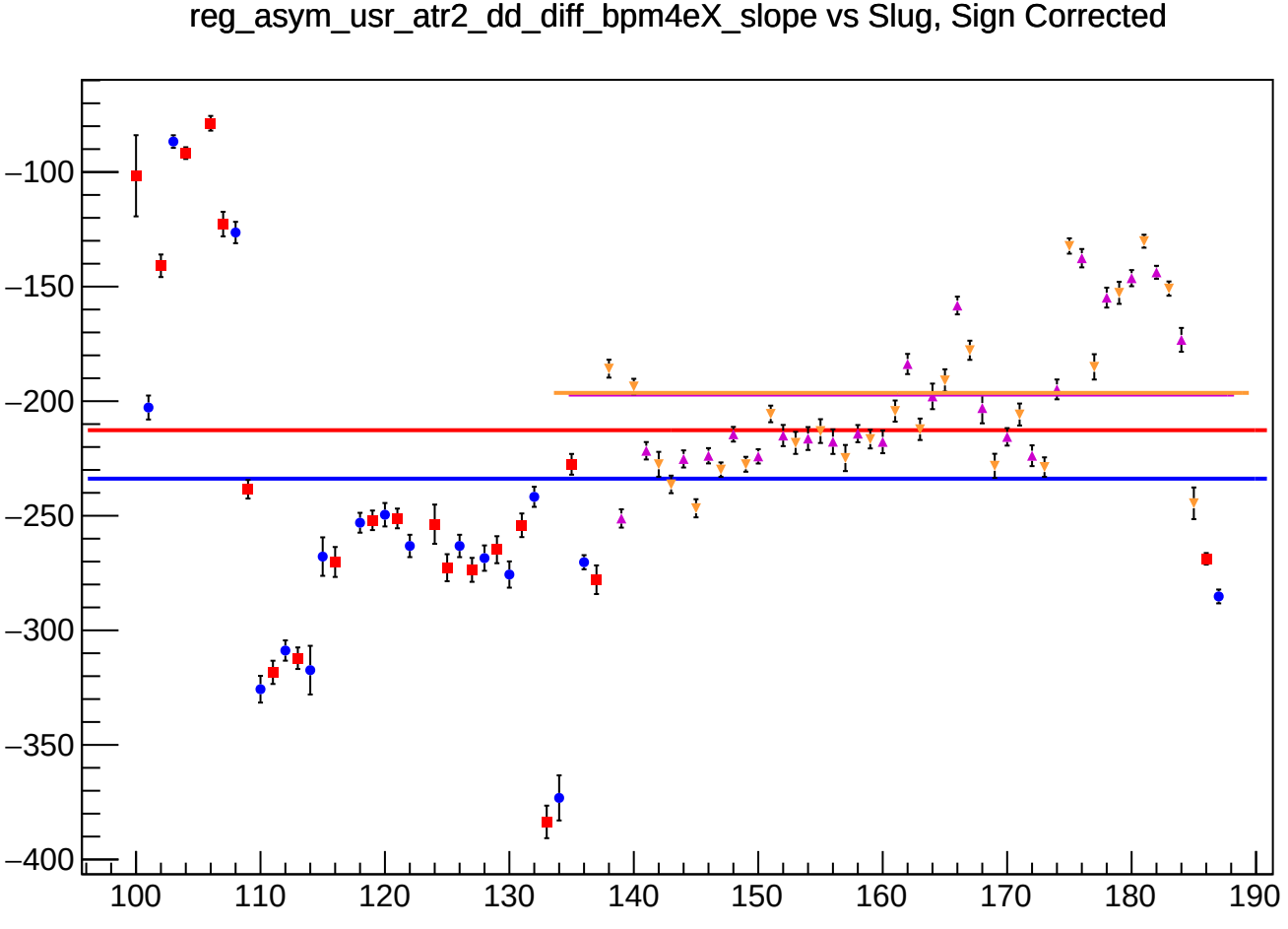
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: 0.340+/-0.728 χ^2/NDF: 592.7/36

In: 1.406+/-0.542 χ^2/NDF:893.8/39

Out: -0.633+/-0.512 χ^2/NDF:1040.6/44

All: 0.329+/-0.372 χ^2/NDF: 1941.9/84



Right In: -233.813+/-1.095 χ^2/NDF: 4872.7/16

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -212.662+/-0.998 χ^2/NDF: 7277.3/19

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

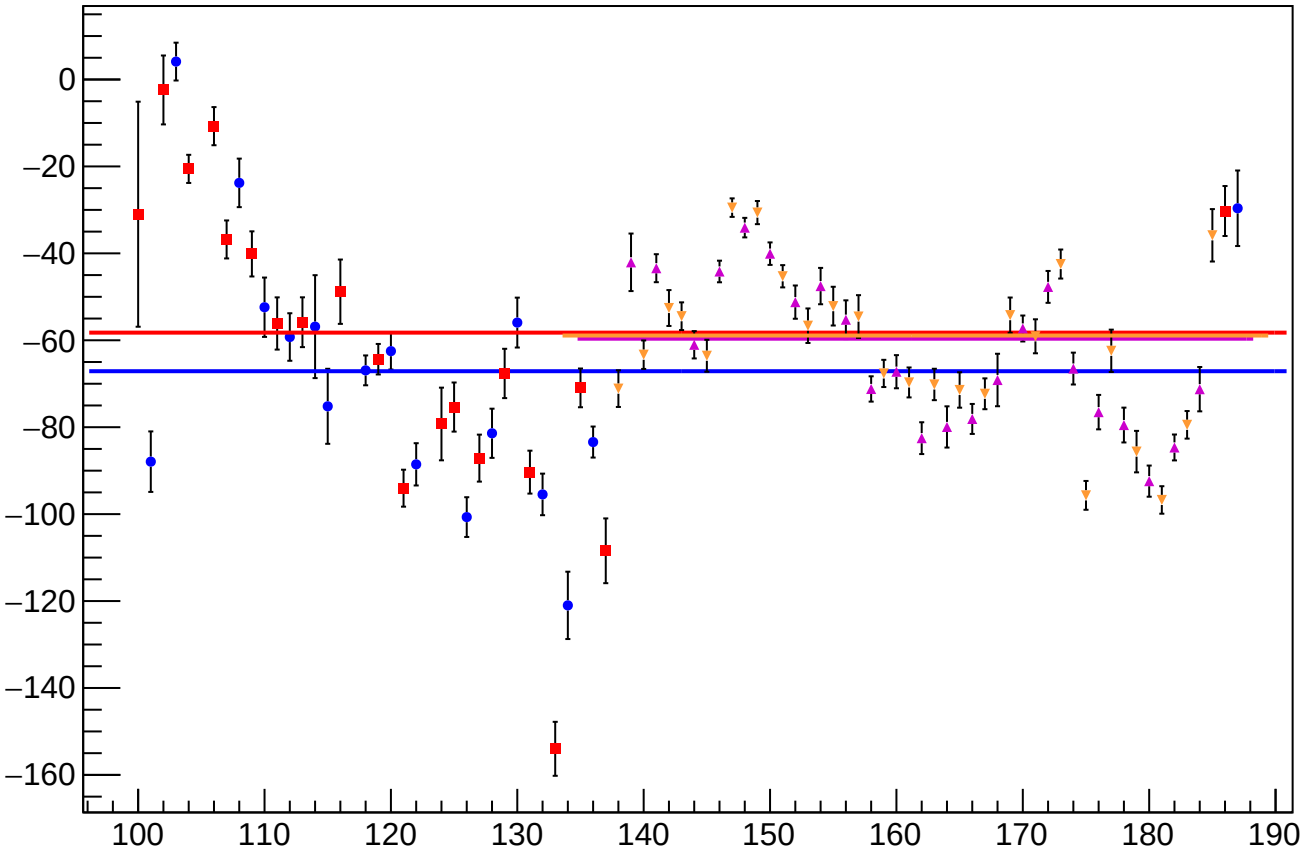
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -222.263+/-0.738 χ^2/NDF: 12353.7/36

In: -210.654+/-0.665 χ^2/NDF:7182.8/39

Out: -202.899+/-0.632 χ^2/NDF:9434.4/44

All: -206.578+/-0.458 χ^2/NDF: 16688.8/84



Right In: -67.116+/-1.264 χ^2/NDF: 553.1/16

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -58.241+/-1.160 χ^2/NDF: 819.6/19

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

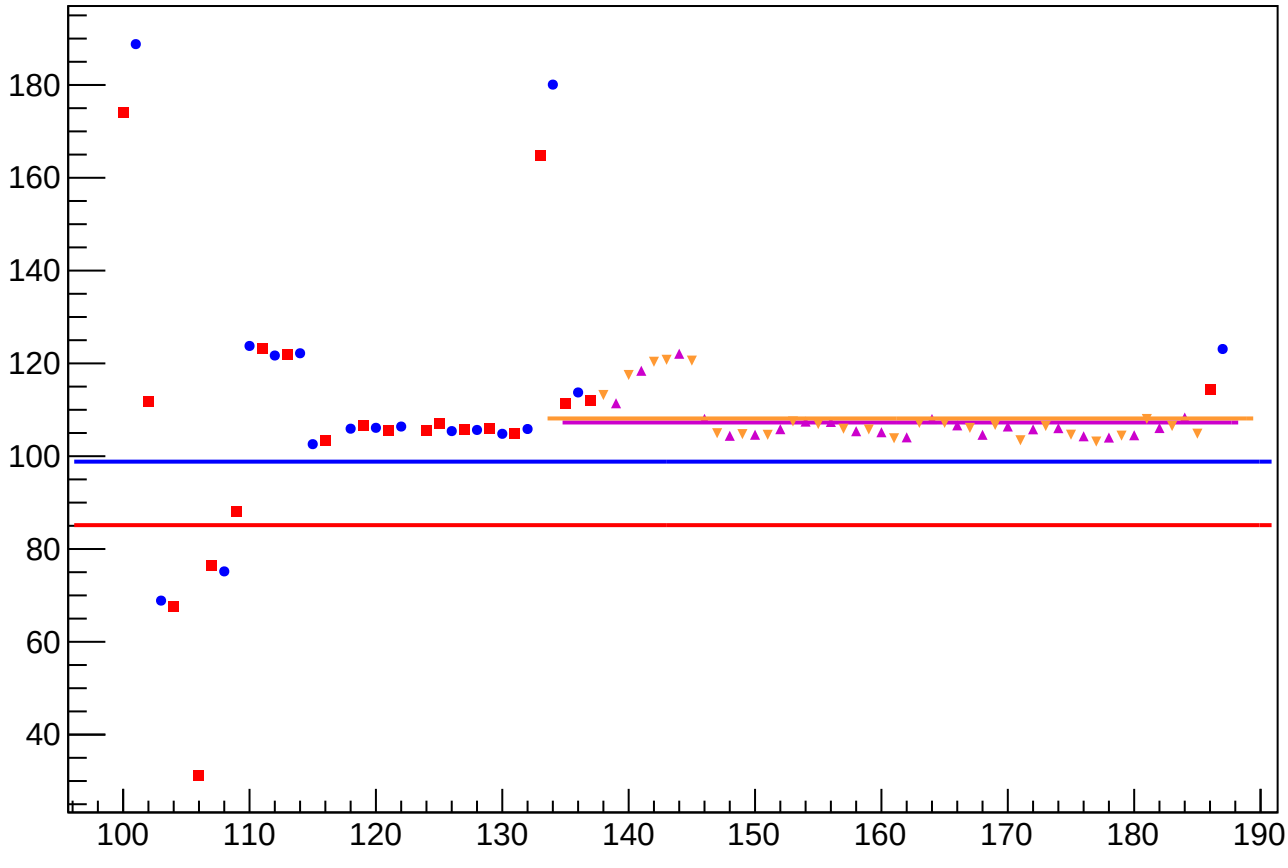
Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

Right: -62.296+/-0.855 χ^2/NDF: 1399.4/36

In: -61.462+/-0.625 χ^2/NDF:1176.5/39

Out: -58.733+/-0.596 χ^2/NDF:1602.3/44

All: -60.034+/-0.431 χ^2/NDF: 2788.8/84



Right In: 98.828+/-0.065 χ^2/NDF: 230973.4/16

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 85.141+/-0.060 χ^2/NDF: 274009.7/19

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

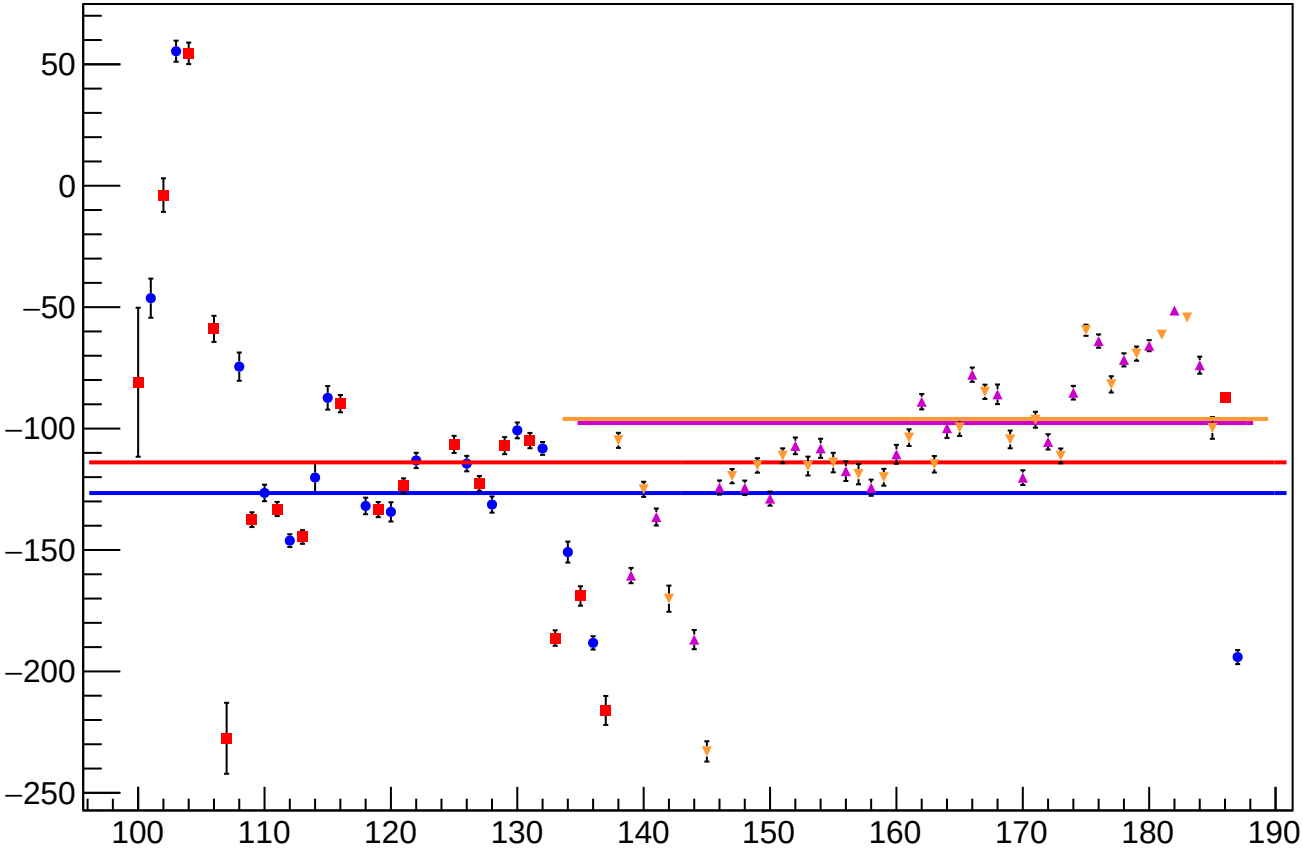
Right: 91.391+/-0.044 χ^2/NDF: 528755.6/36

In: 105.568+/-0.029 χ^2/NDF:261137.6/39

Out: 102.929+/-0.029 χ^2/NDF:414103.0/44

All: 104.212+/-0.020 χ^2/NDF: 679396.3/84

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -126.549+/-0.851 χ^2/NDF: 3285.1/16

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -113.918+/-0.773 χ^2/NDF: 3459.5/18

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

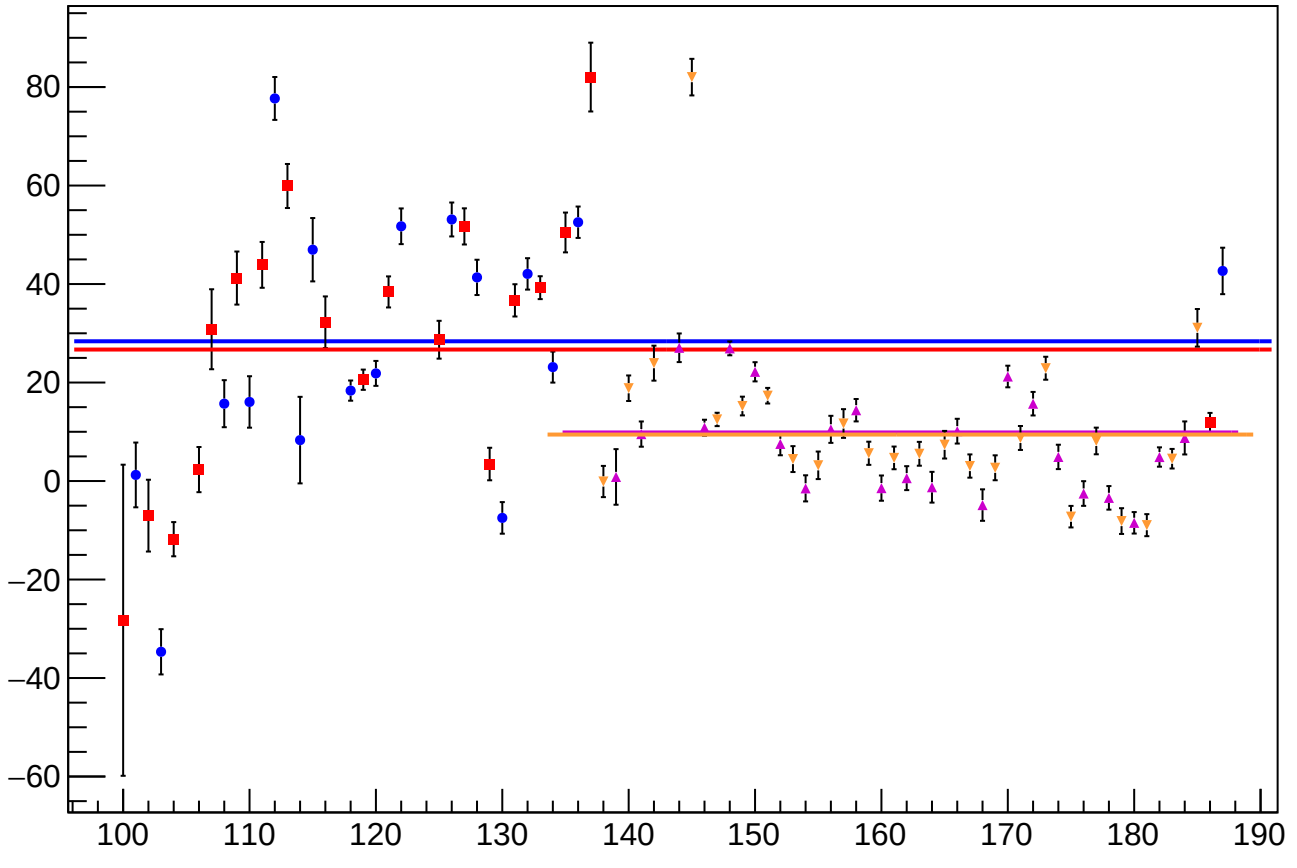
Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

Right: -119.625+/-0.572 χ^2/NDF: 6865.3/35

In: -108.095+/-0.511 χ^2/NDF:6660.2/39

Out: -103.235+/-0.491 χ^2/NDF:6550.4/42

All: -105.567+/-0.354 χ^2/NDF: 13257.8/82



Right In: 28.378+/-0.873 χ^2/NDF: 709.1/16

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 26.700+/-0.815 χ^2/NDF: 561.5/18

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

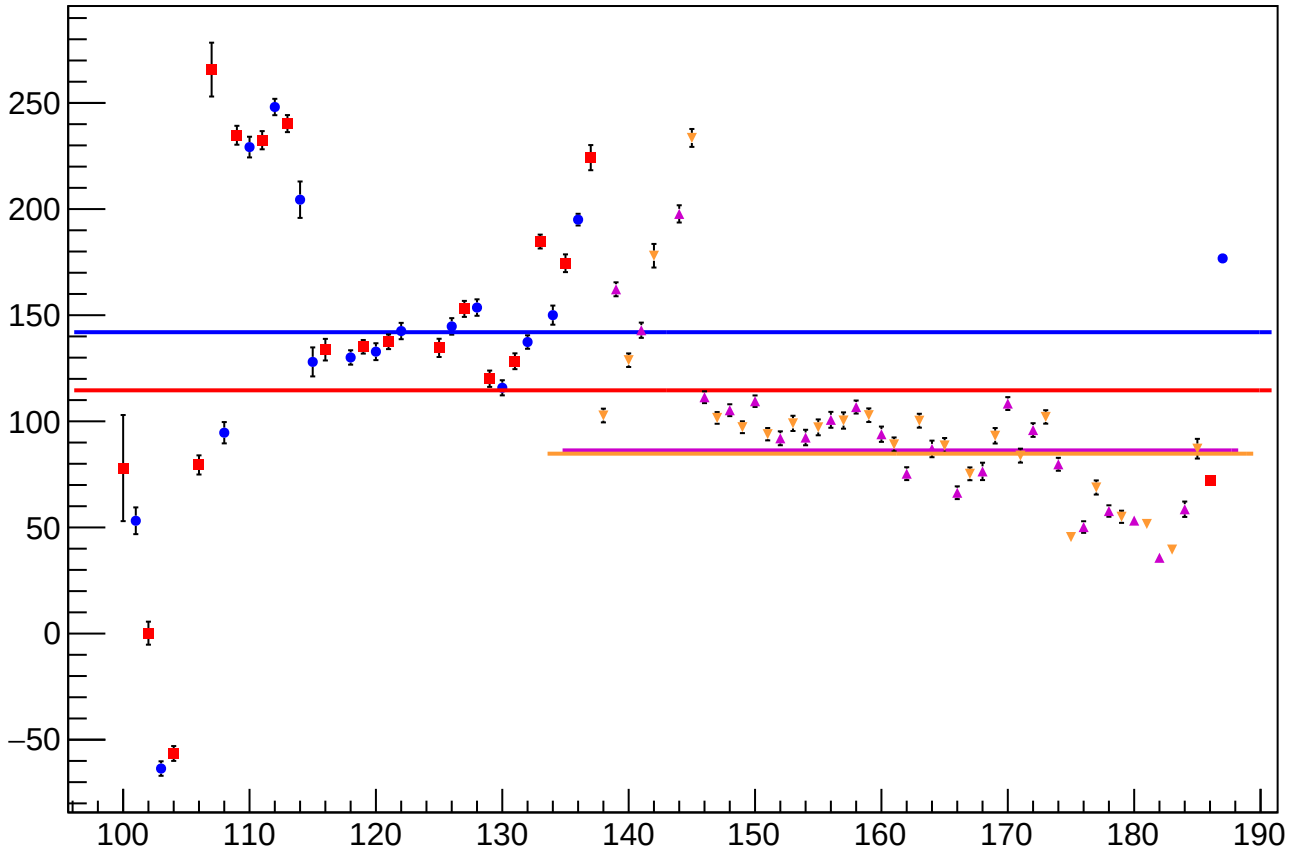
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 27.482+/-0.596 χ^2/NDF: 1272.6/35

In: 14.254+/-0.425 χ^2/NDF:1537.7/39

Out: 13.855+/-0.412 χ^2/NDF:1631.6/42

All: 14.049+/-0.296 χ^2/NDF: 3169.8/82



Right In: 141.992+/-0.921 χ^2/NDF: 5714.1/16

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 114.601+/-0.795 χ^2/NDF: 7788.4/18

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

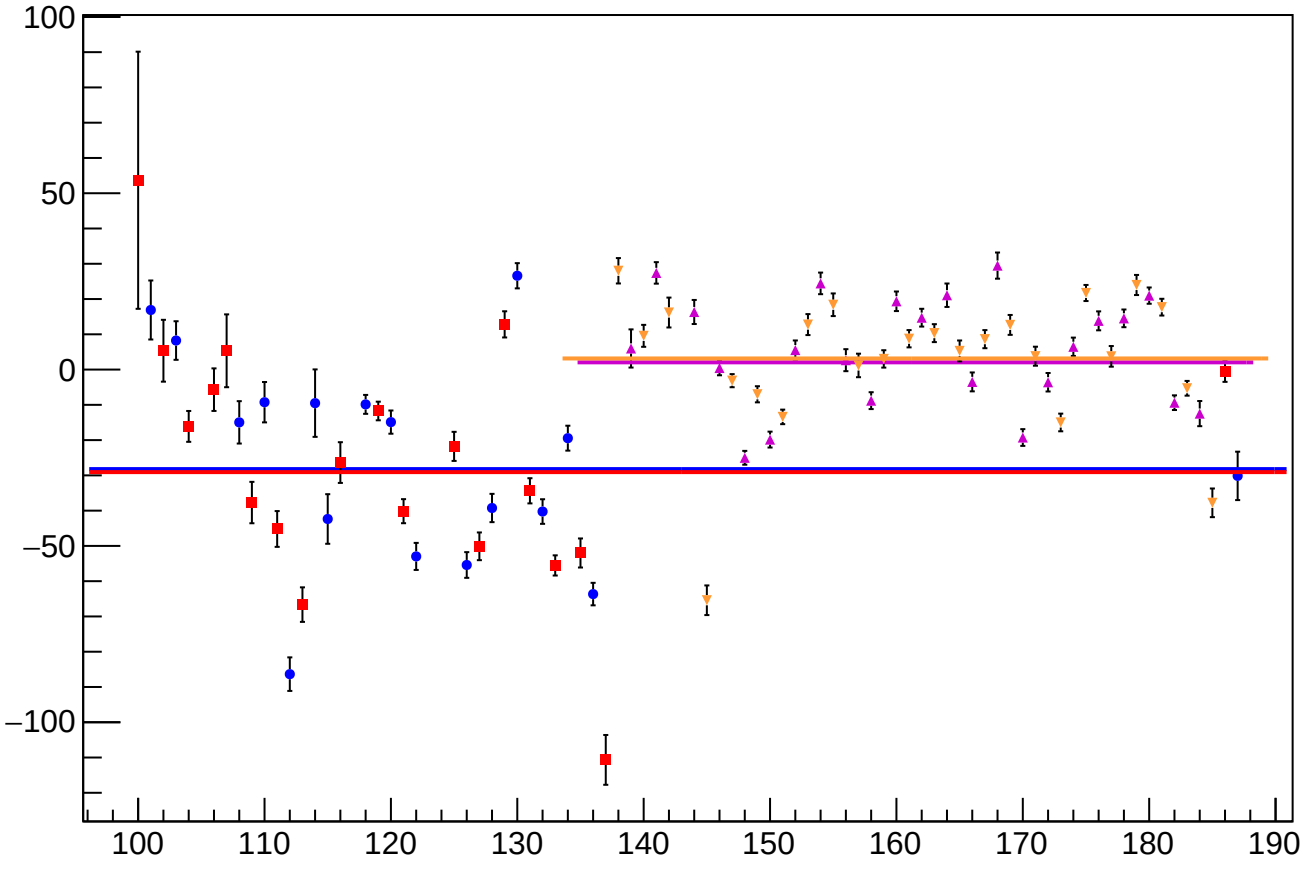
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 126.301+/-0.602 χ^2/NDF: 14009.3/35

In: 104.126+/-0.521 χ^2/NDF:11353.8/39

Out: 96.249+/-0.493 χ^2/NDF:11765.1/42

All: 99.973+/-0.358 χ^2/NDF: 23239.4/82



Right In: -28.218+/-1.011 χ^2/NDF: 791.3/16

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -29.074+/-0.971 χ^2/NDF: 683.3/18

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

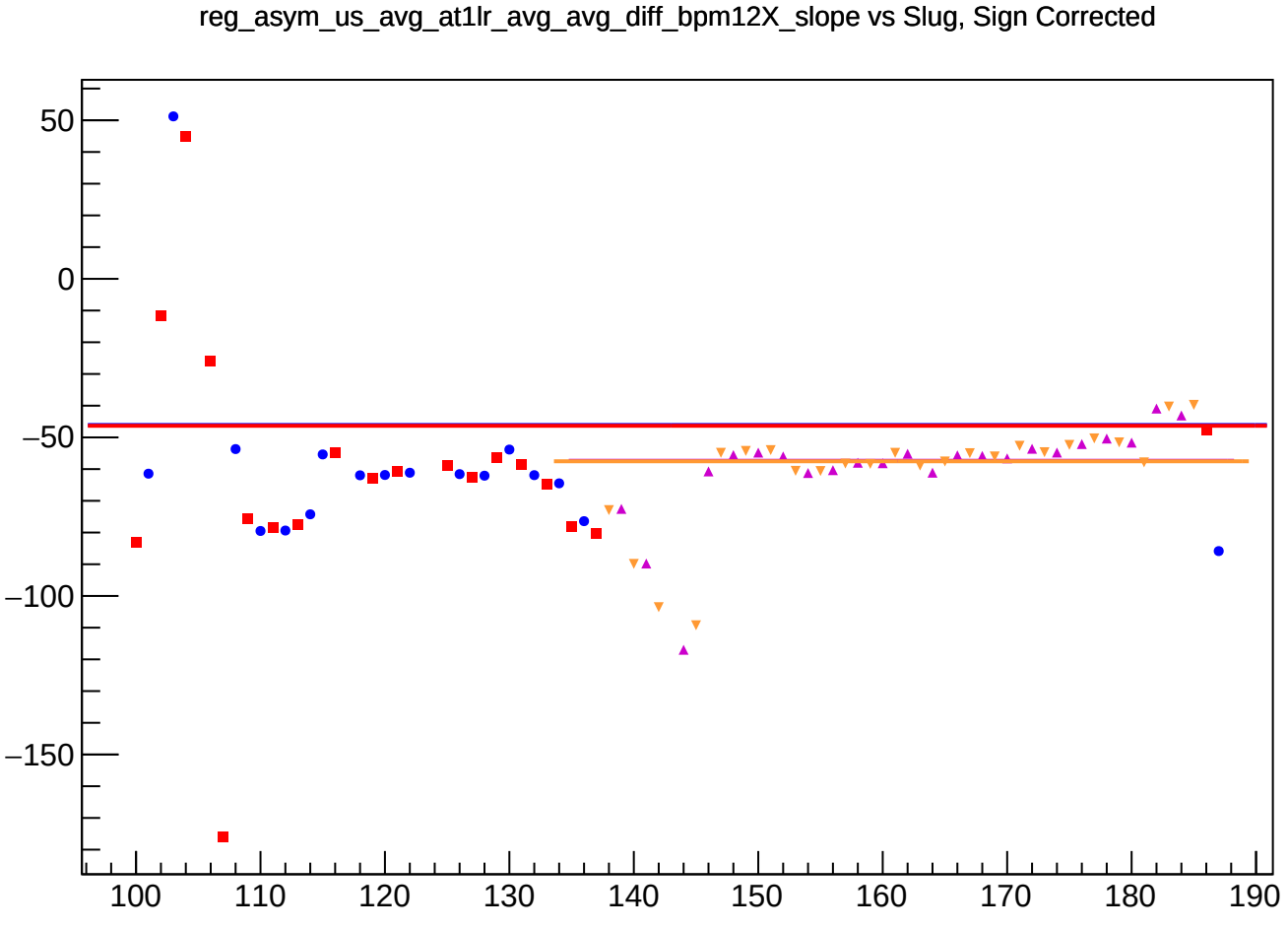
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -28.663+/-0.701 χ^2/NDF: 1475.0/35

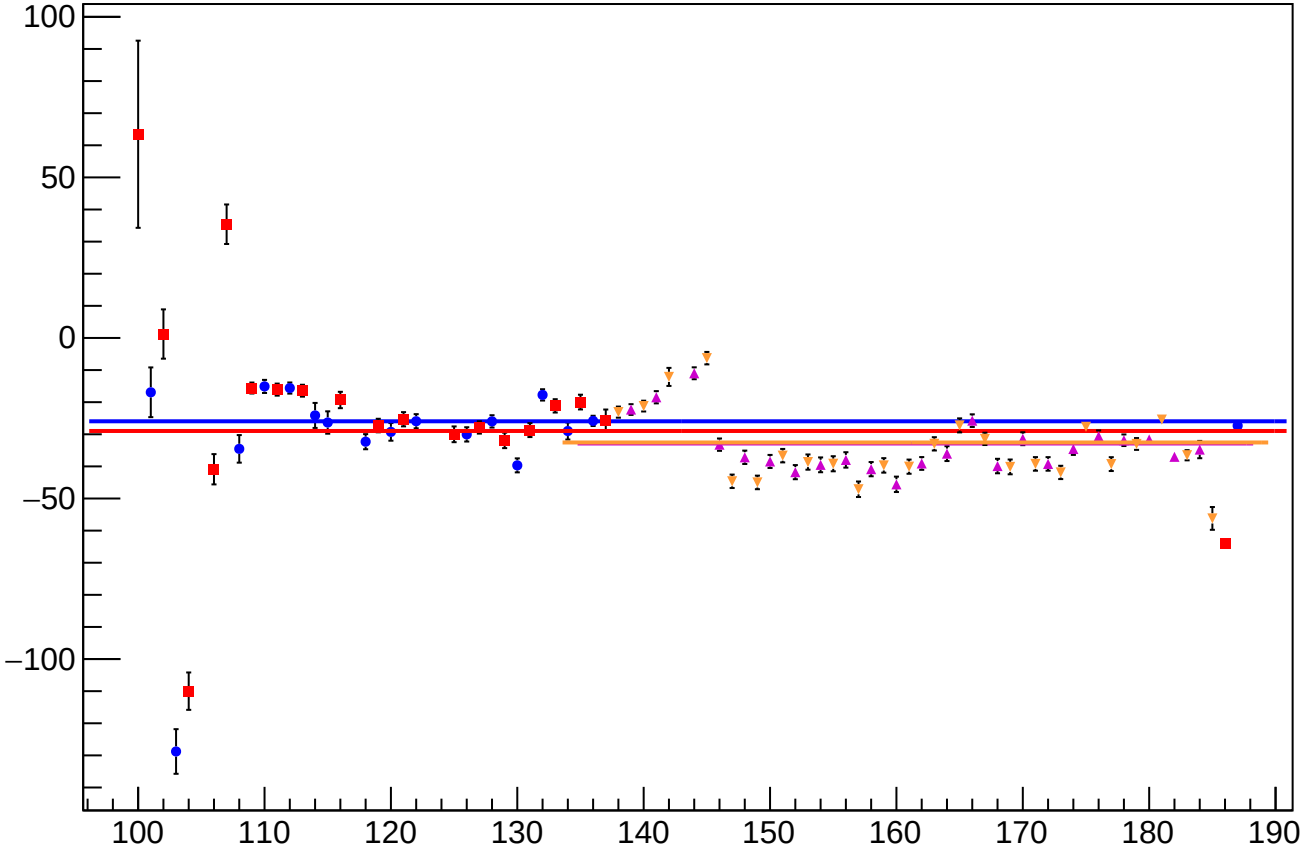
In: -4.881+/-0.484 χ^2/NDF:2333.0/39

Out: -4.536+/-0.474 χ^2/NDF:2335.1/42

All: -4.705+/-0.339 χ^2/NDF: 4668.4/82


reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: -46.095+/-0.059 χ²/NDF: 586328.7/16
Left Out: -57.532+/-0.025 χ²/NDF:267030.7/23
Right Out: -46.335+/-0.060 χ²/NDF: 493653.0/18
Left In: -57.377+/-0.025 χ²/NDF:227136.8/22
Left: -57.455+/-0.018 χ²/NDF: 494187.3/46
Right: -46.214+/-0.042 χ²/NDF: 1079989.8/35
In: -55.707+/-0.023 χ²/NDF:844201.9/39
Out: -55.905+/-0.023 χ²/NDF:790389.4/42
All: -55.806+/-0.016 χ²/NDF: 1634628.7/82

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.954+/-0.546 χ^2/NDF: 364.1/16

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -28.970+/-0.538 χ^2/NDF: 1149.3/18

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

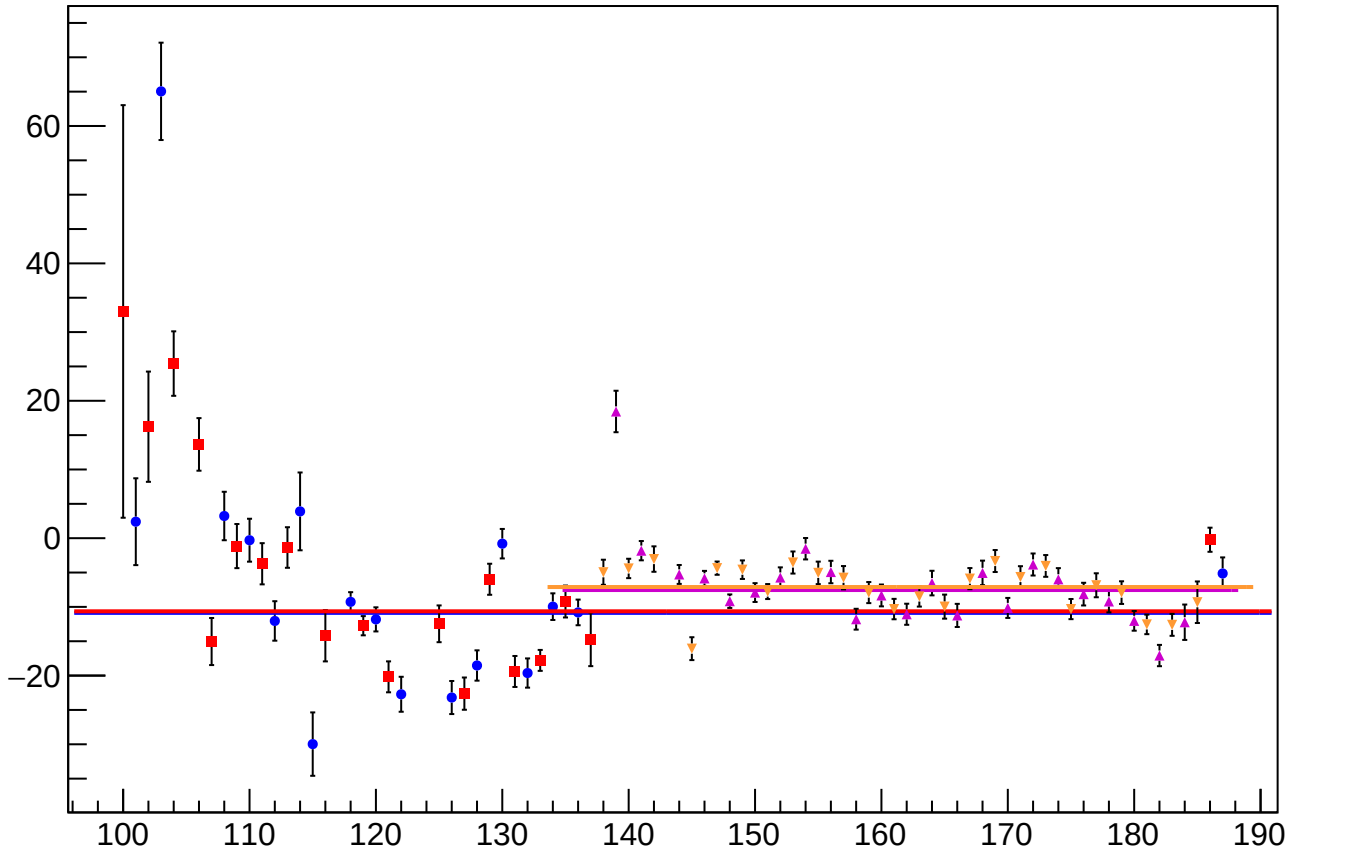
Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

Right: -27.482+/-0.383 χ^2/NDF: 1528.9/35

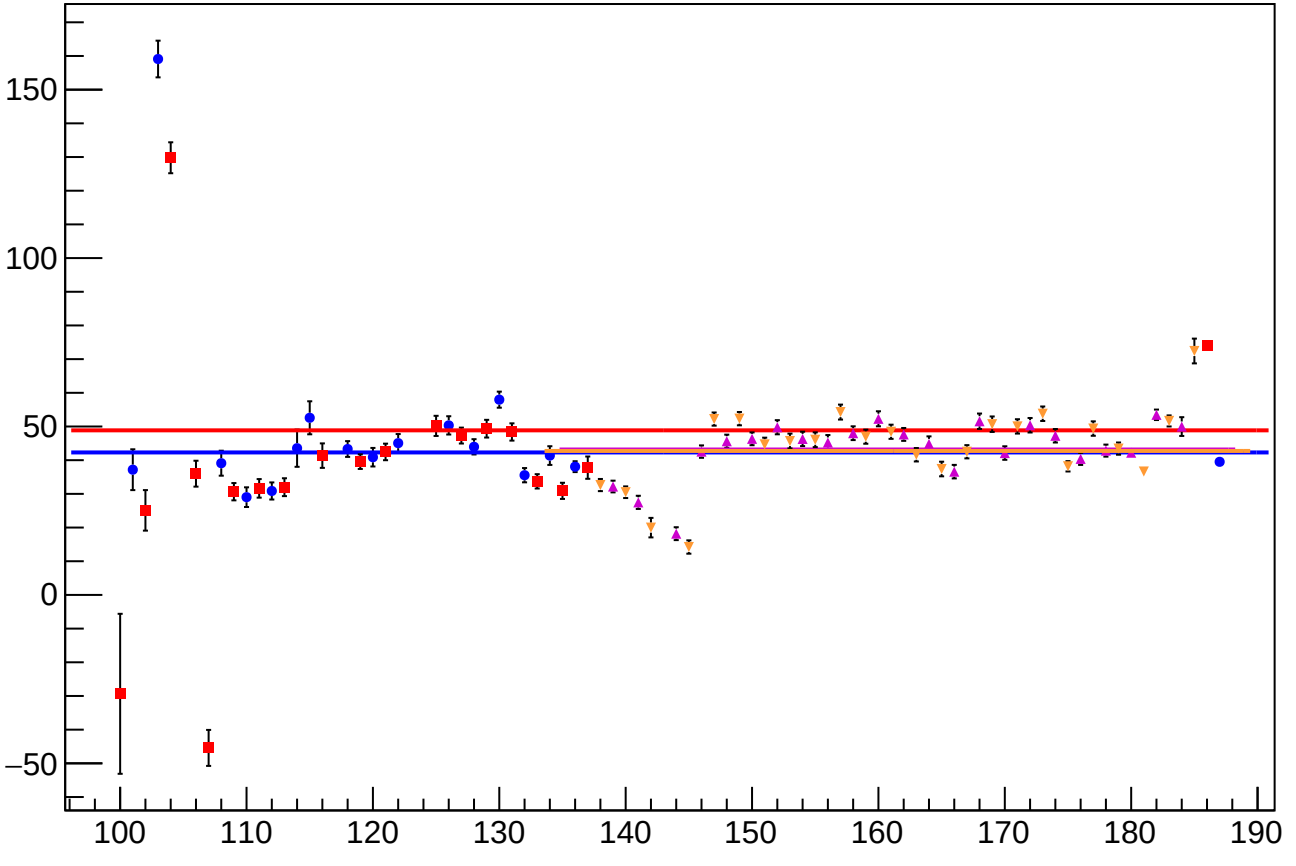
In: -30.362+/-0.328 χ^2/NDF:839.7/39

Out: -31.249+/-0.324 χ^2/NDF:1781.0/42

All: -30.811+/-0.231 χ^2/NDF: 2624.4/82


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: -10.869+/-0.581 χ²/NDF: 277.5/16
Left Out: -7.110+/-0.309 χ²/NDF:109.5/23
Right Out: -10.643+/-0.574 χ²/NDF: 263.9/18
Left In: -7.547+/-0.315 χ²/NDF:199.7/22
Left: -7.324+/-0.221 χ²/NDF: 310.2/46
Right: -10.755+/-0.408 χ²/NDF: 541.5/35
In: -8.301+/-0.277 χ²/NDF:502.5/39
Out: -7.905+/-0.272 χ²/NDF:402.8/42
All: -8.100+/-0.194 χ²/NDF: 906.4/82

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.298+/-0.587 χ^2/NDF: 583.4/16

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 48.859+/-0.586 χ^2/NDF: 1438.1/18

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

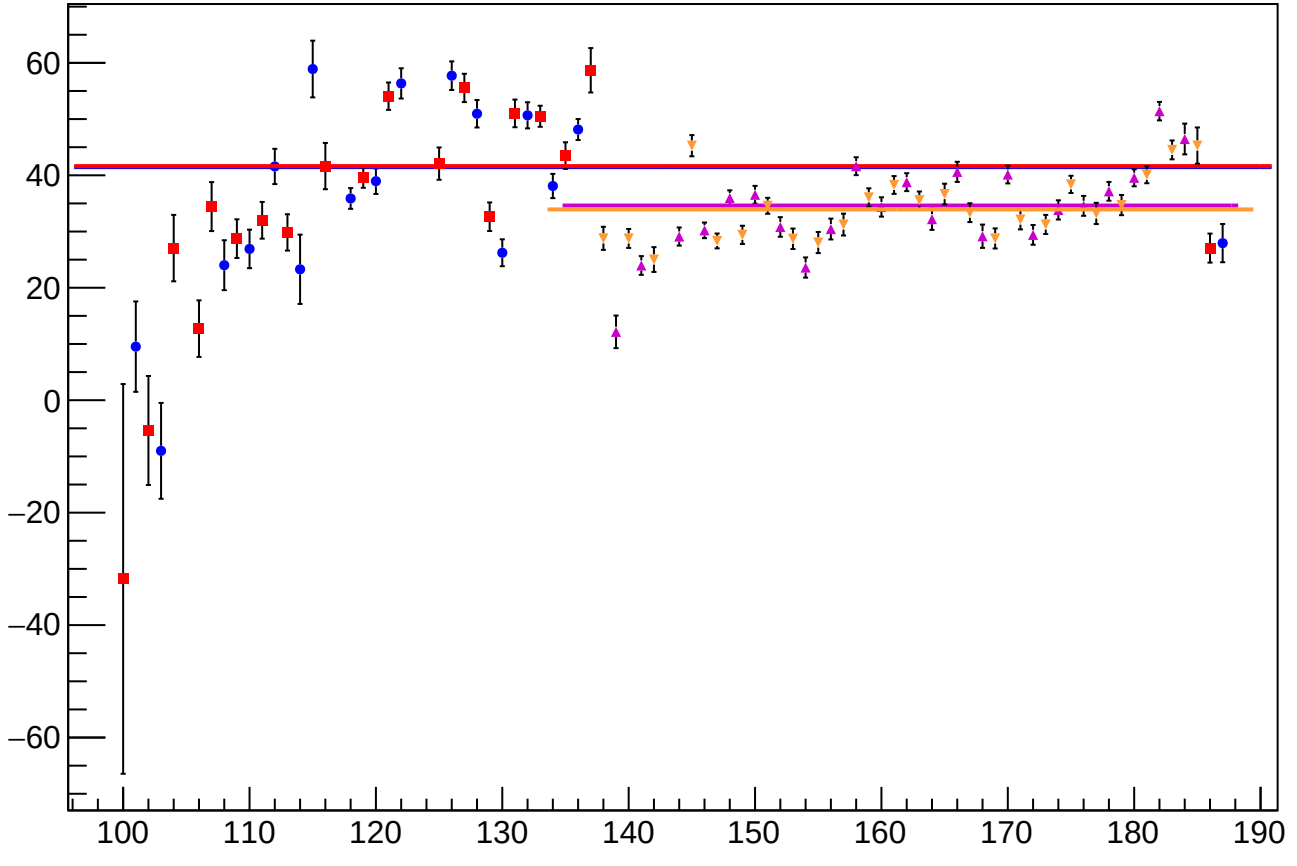
Right: 45.588+/-0.415 χ^2/NDF: 2084.0/35

In: 42.886+/-0.335 χ^2/NDF:997.9/39

Out: 44.711+/-0.332 χ^2/NDF:2143.5/42

All: 43.805+/-0.236 χ^2/NDF: 3156.4/82

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.460+/-0.670 χ^2/NDF: 289.2/16

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 41.638+/-0.671 χ^2/NDF: 264.6/18

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

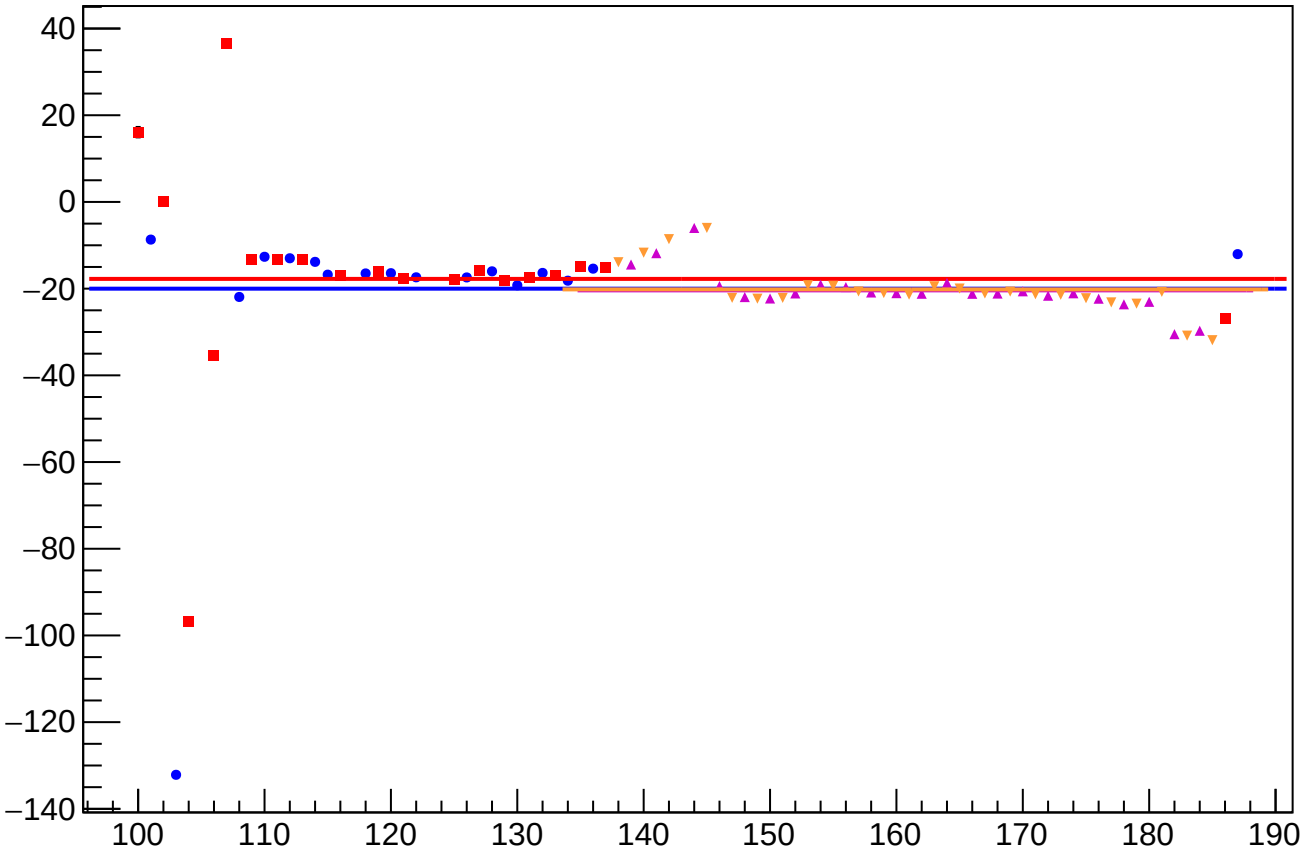
Right: 41.549+/-0.474 χ^2/NDF: 553.8/35

In: 36.129+/-0.315 χ^2/NDF:746.3/39

Out: 35.585+/-0.311 χ^2/NDF:584.8/42

All: 35.854+/-0.221 χ^2/NDF: 1332.6/82

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.007+/-0.041 χ^2/NDF: 247508.8/16

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -17.753+/-0.043 χ^2/NDF: 207200.9/18

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

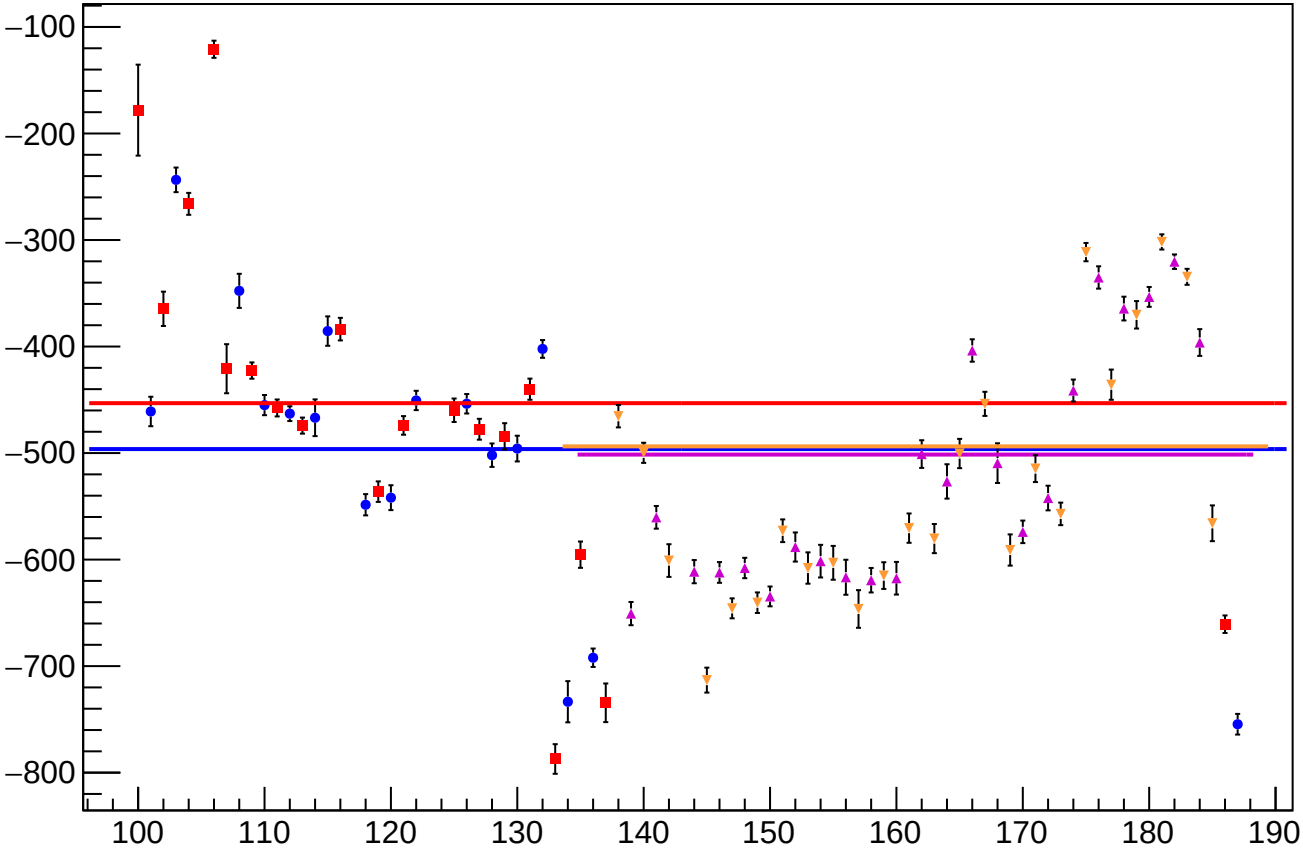
Right: -18.933+/-0.030 χ^2/NDF: 456156.5/35

In: -20.345+/-0.015 χ^2/NDF:328742.0/39

Out: -19.885+/-0.015 χ^2/NDF:309955.4/42

All: -20.117+/-0.010 χ^2/NDF: 639183.3/82

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -496.256+/-2.541 χ^2/NDF: 2270.8/16

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -453.159+/-2.360 χ^2/NDF: 3859.6/18

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

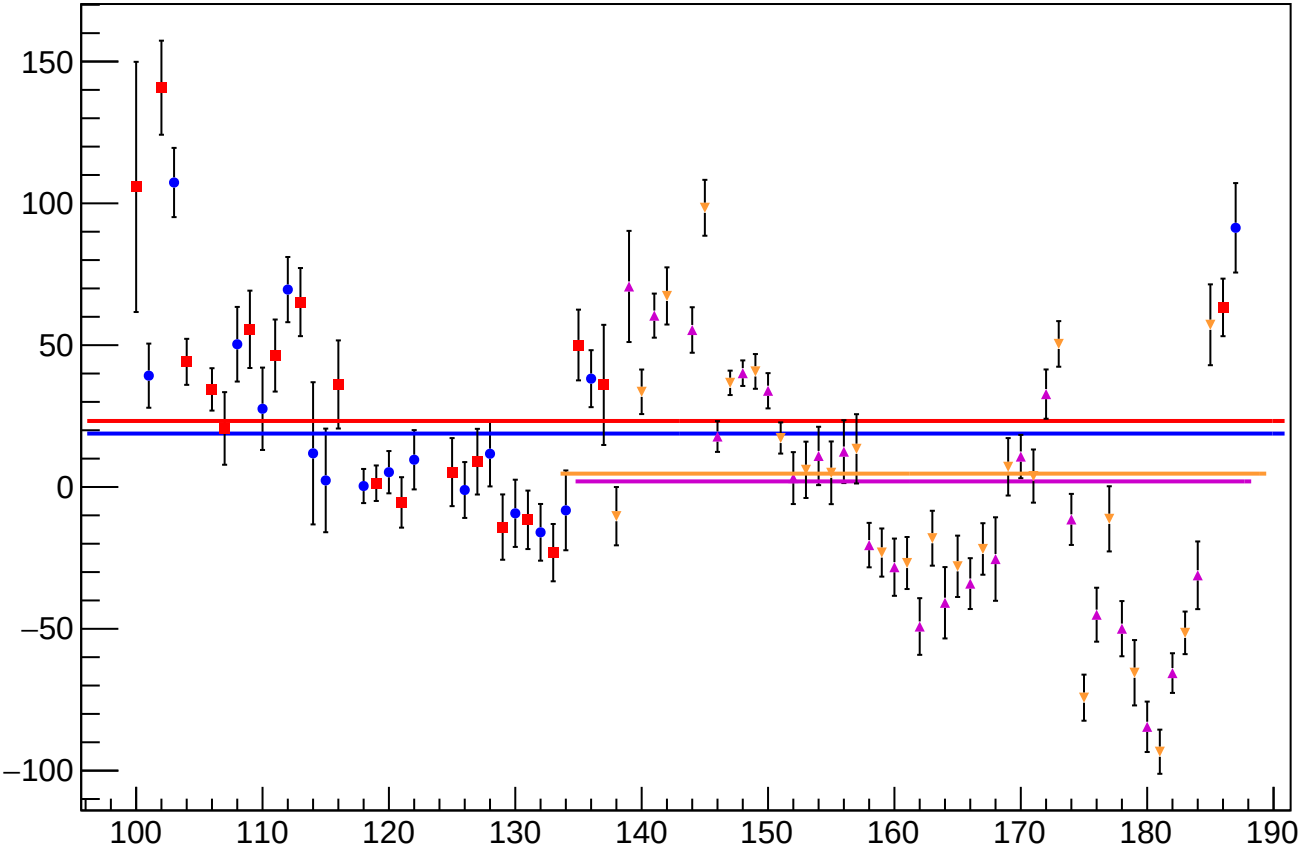
Right: -473.113+/-1.729 χ^2/NDF: 6284.8/35

In: -499.091+/-1.708 χ^2/NDF:4962.4/39

Out: -474.005+/-1.645 χ^2/NDF:7161.4/42

All: -486.079+/-1.185 χ^2/NDF: 12235.7/82

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.835+/-2.617 χ^2/NDF: 146.7/16

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 23.274+/-2.472 χ^2/NDF: 174.5/18

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

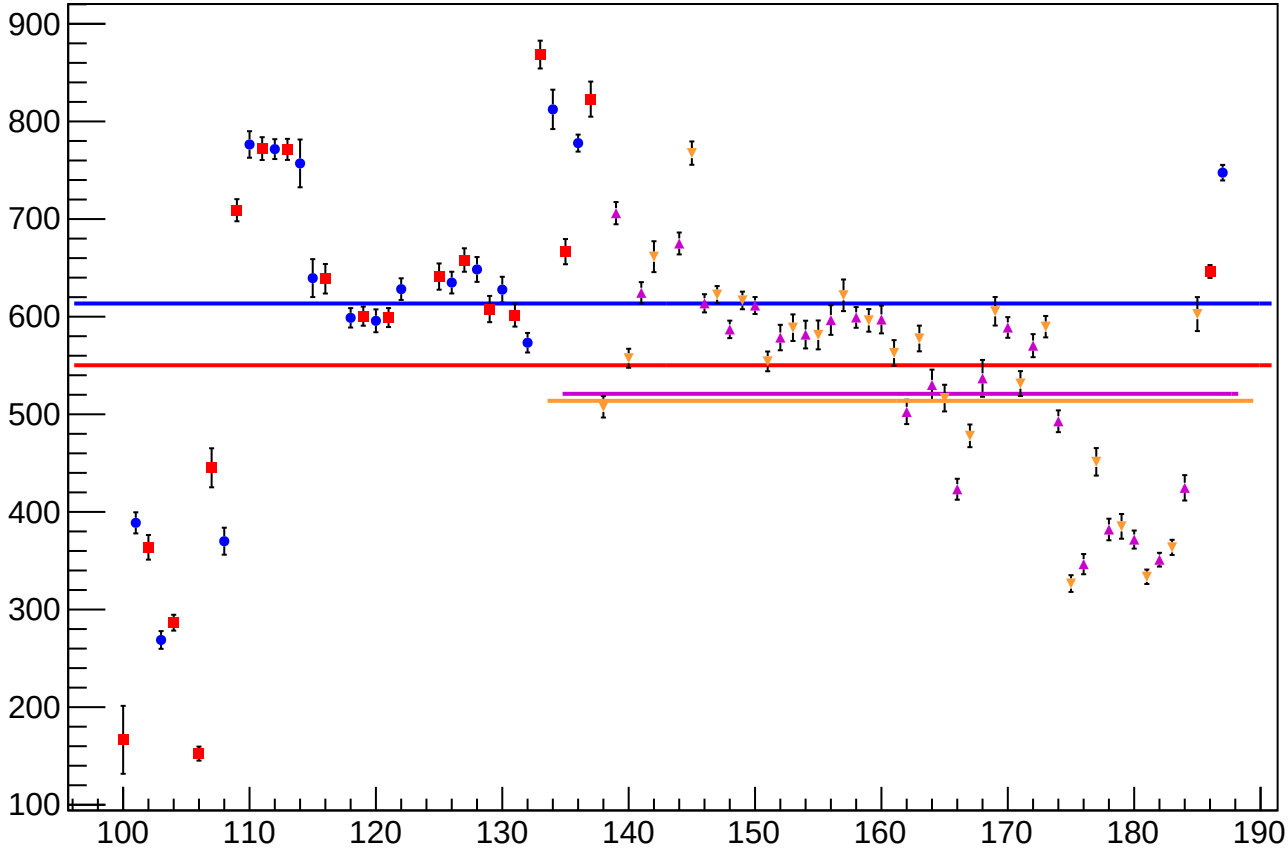
Right: 21.182+/-1.797 χ^2/NDF: 322.7/35

In: 7.064+/-1.439 χ^2/NDF:736.5/39

Out: 10.651+/-1.398 χ^2/NDF:893.2/42

All: 8.908+/-1.003 χ^2/NDF: 1632.9/82

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 613.493+/-2.750 χ^2/NDF: 3380.3/16

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 550.236+/-2.532 χ^2/NDF: 6757.0/18

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

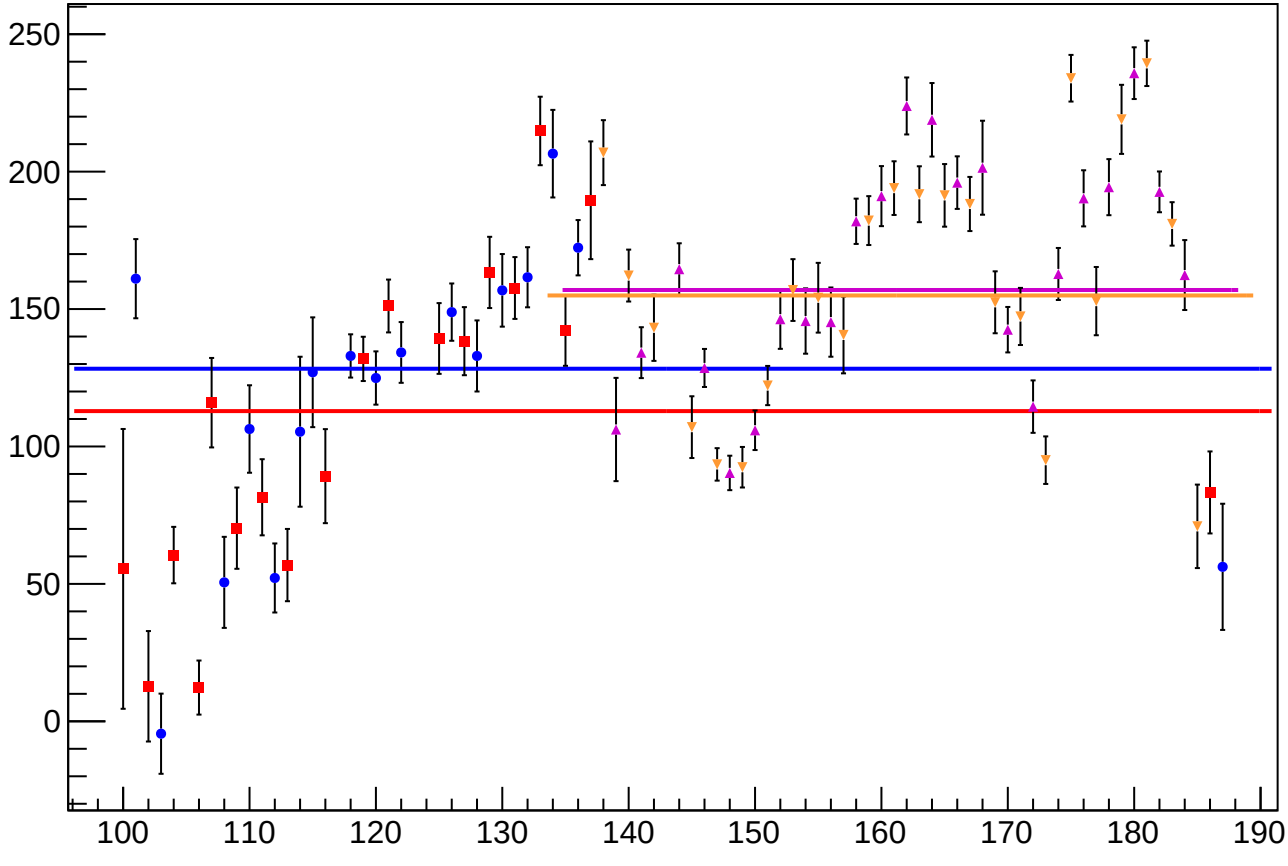
Right: 579.255+/-1.863 χ^2/NDF: 10423.7/35

In: 558.738+/-1.757 χ^2/NDF:6492.8/39

Out: 530.111+/-1.693 χ^2/NDF:9606.8/42

All: 543.896+/-1.219 χ^2/NDF: 16237.3/82

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 128.288+/-3.053 χ^2/NDF: 221.3/16

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 112.870+/-2.919 χ^2/NDF: 340.0/18

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

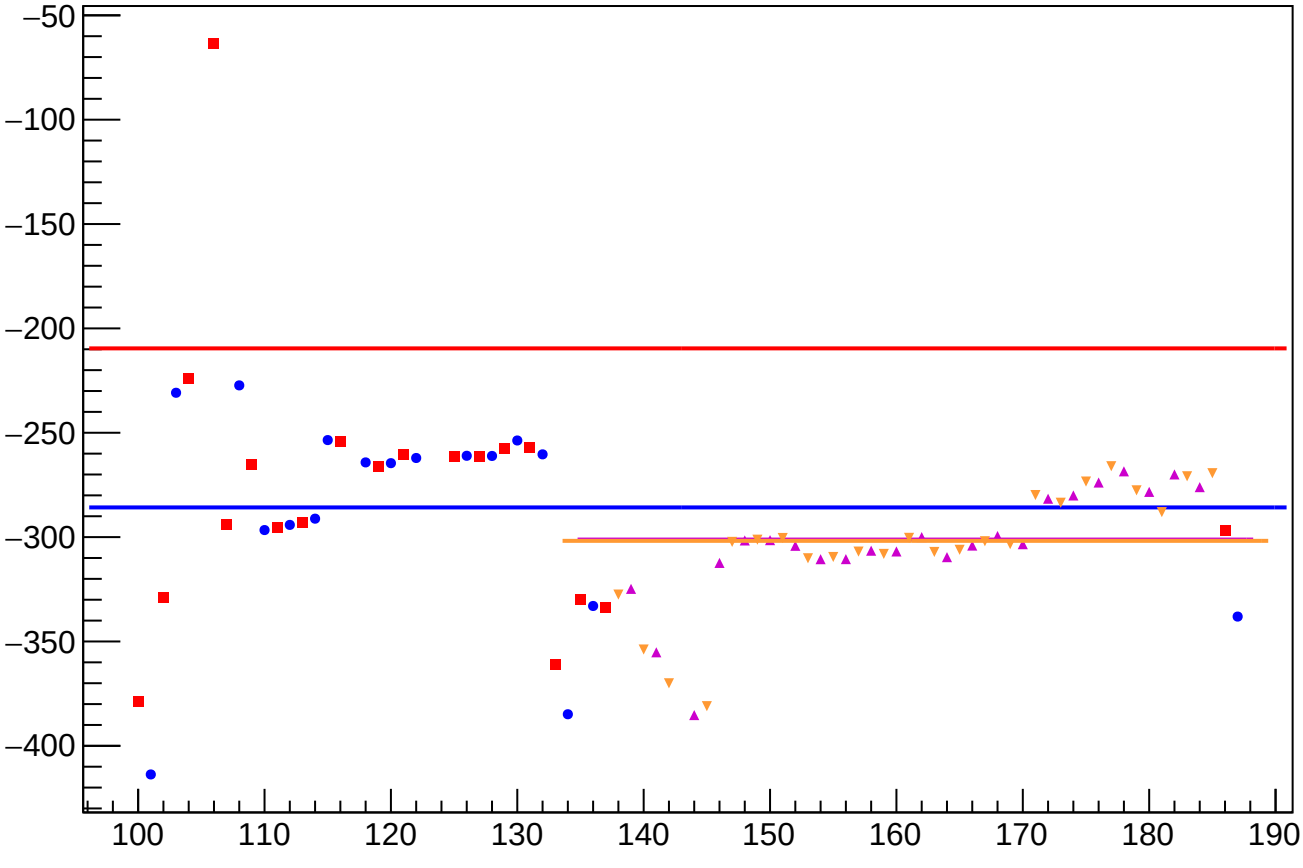
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 120.231+/-2.110 χ^2/NDF: 574.6/35

In: 148.507+/-1.656 χ^2/NDF:726.6/39

Out: 141.930+/-1.623 χ^2/NDF:1092.5/42

All: 145.153+/-1.159 χ^2/NDF: 1827.2/82



Right In: -285.771+/-0.176 χ^2/NDF: 106072.2/16

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -209.575+/-0.147 χ^2/NDF: 543550.2/18

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

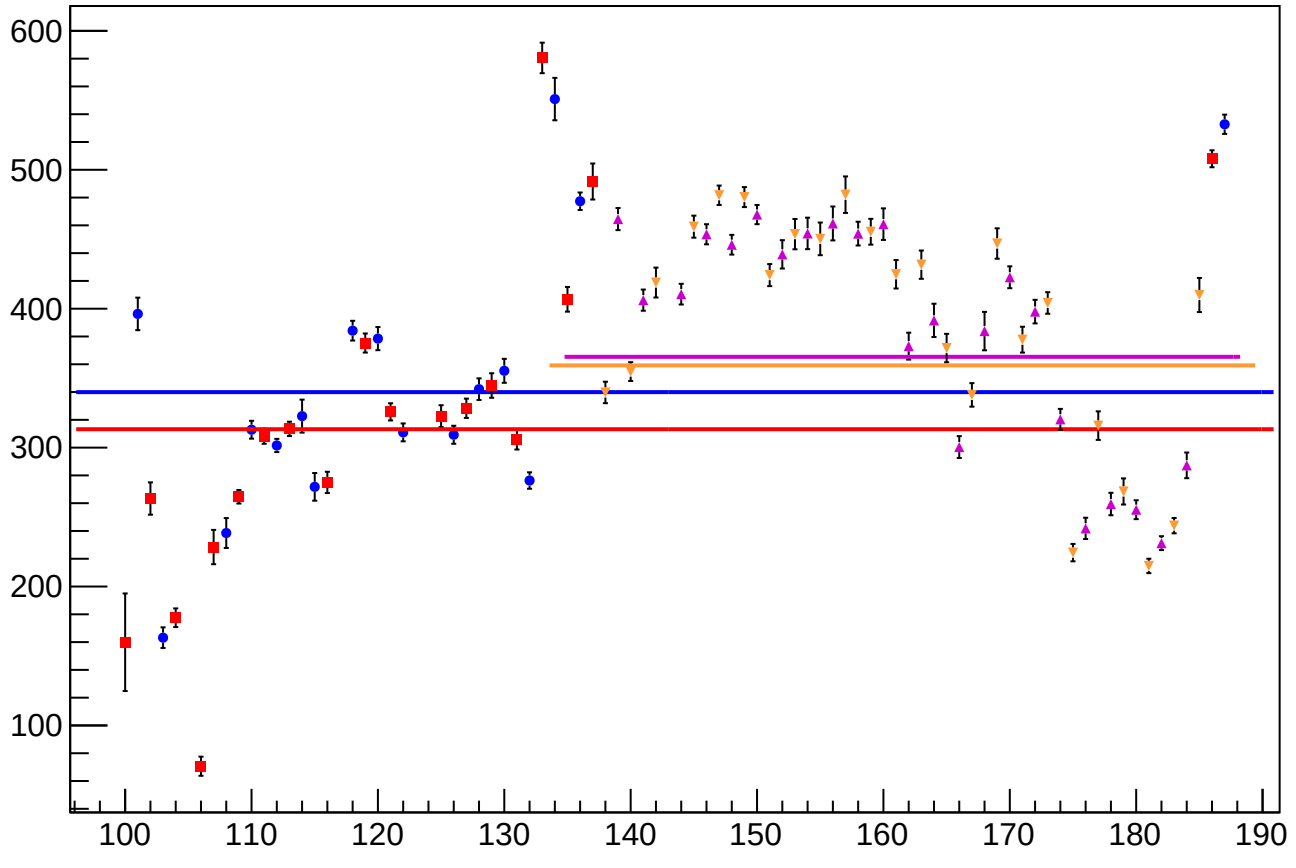
Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

Right: -241.018+/-0.113 χ^2/NDF: 759871.9/35

In: -297.978+/-0.080 χ^2/NDF:187476.7/39

Out: -276.427+/-0.077 χ^2/NDF:913938.0/42

All: -286.816+/-0.056 χ^2/NDF: 1138875.0/82



Right In: 339.949+/-1.794 χ^2/NDF: 2471.0/16

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 313.255+/-1.669 χ^2/NDF: 3874.4/18

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

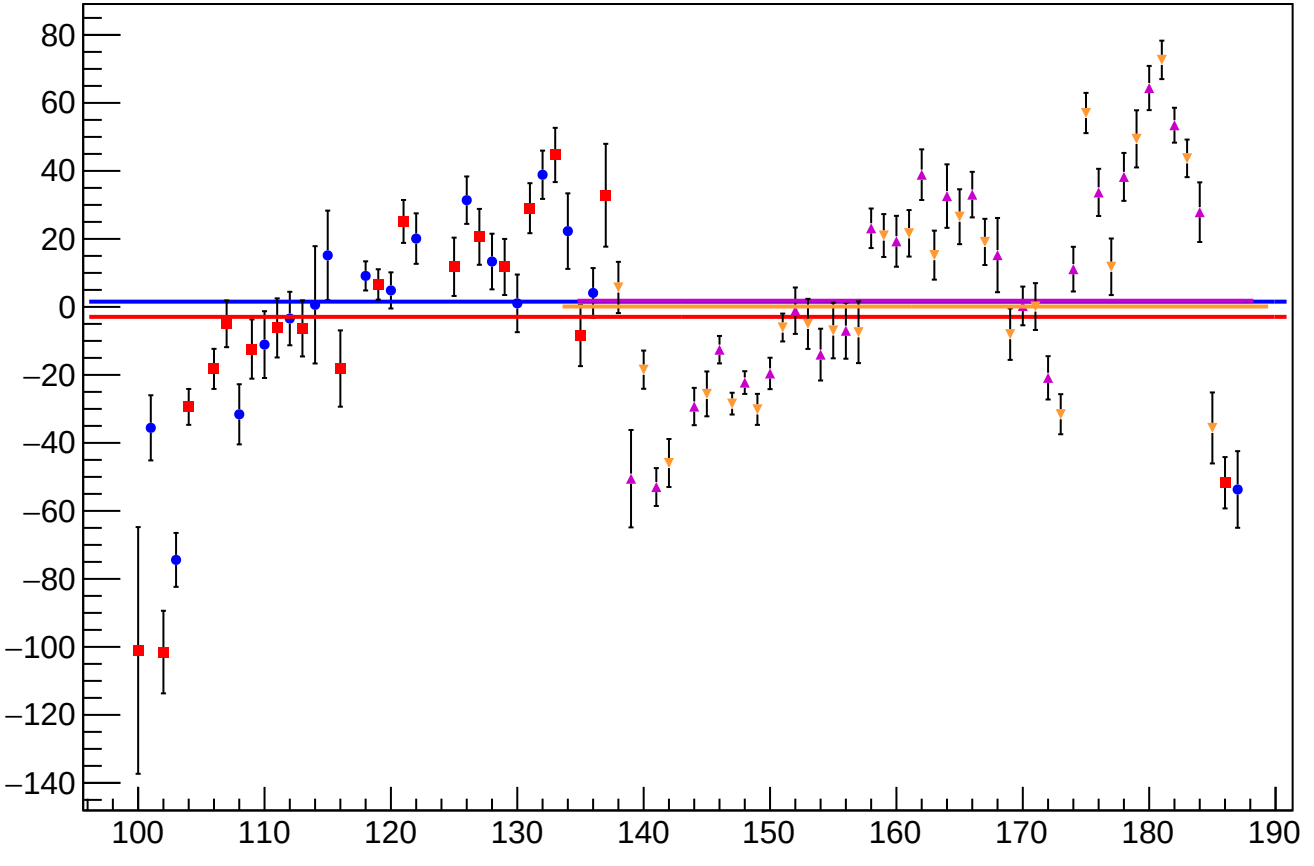
Right: 325.639+/-1.222 χ^2/NDF: 6464.2/35

In: 353.393+/-1.231 χ^2/NDF:5316.7/39

Out: 336.048+/-1.184 χ^2/NDF:7438.4/42

All: 344.386+/-0.853 χ^2/NDF: 12858.2/82

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.544+/-1.866 χ^2/NDF: 209.2/16

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -2.928+/-1.743 χ^2/NDF: 249.4/18

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

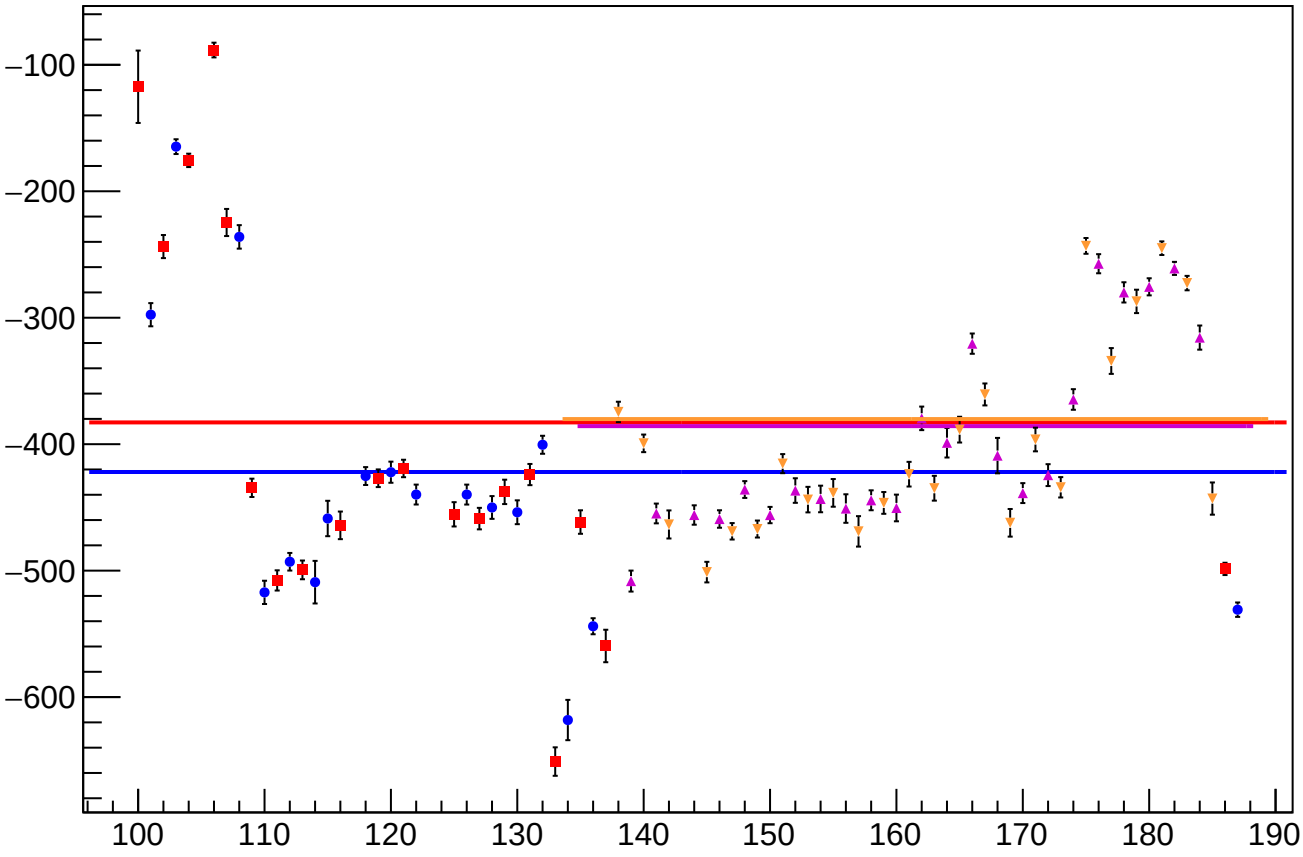
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -0.845+/-1.274 χ^2/NDF: 461.7/35

In: 1.727+/-1.048 χ^2/NDF:786.3/39

Out: -0.916+/-1.014 χ^2/NDF:889.3/42

All: 0.362+/-0.729 χ^2/NDF: 1678.8/82



Right In: -421.997+/-1.949 χ^2/NDF: 3694.1/16

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -382.788+/-1.804 χ^2/NDF: 6877.7/18

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

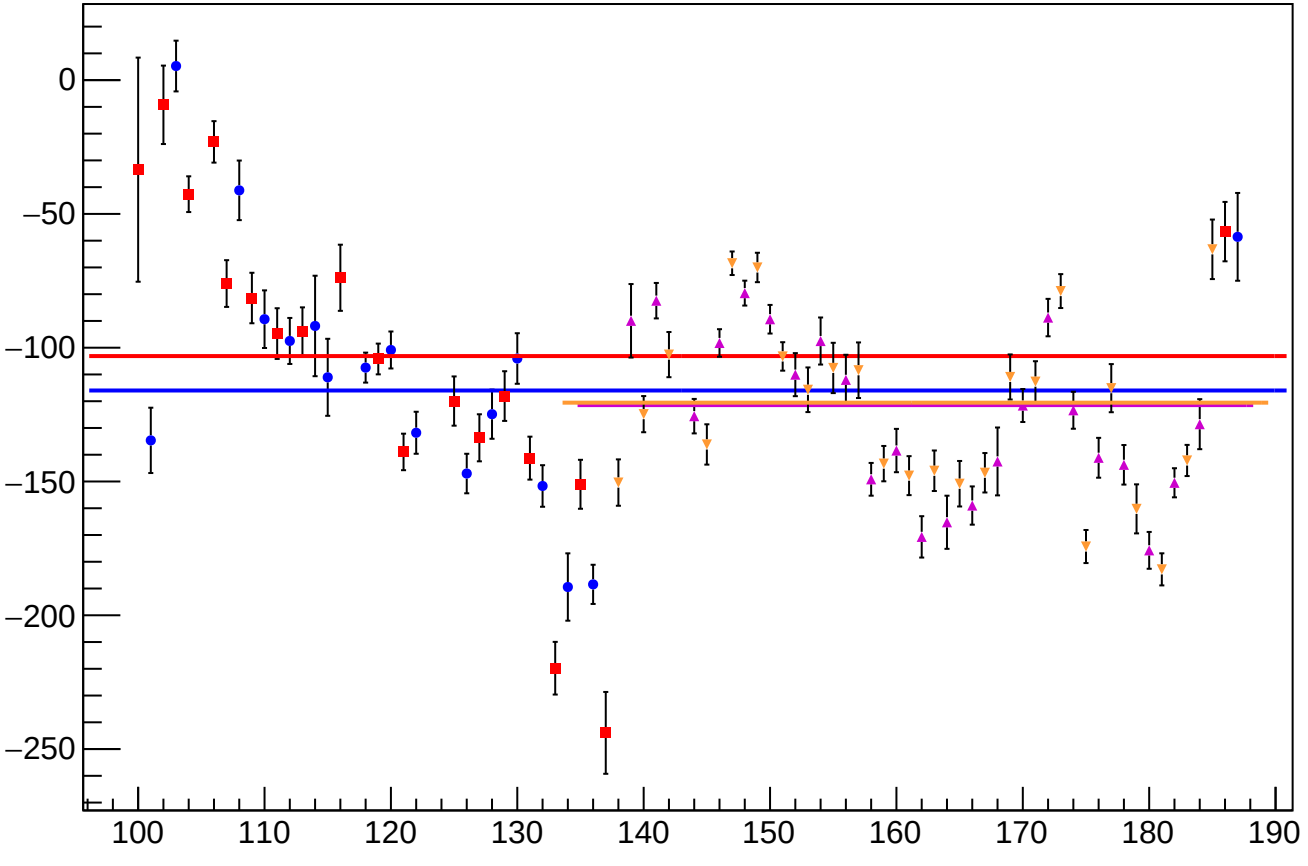
Right: -400.882+/-1.324 χ^2/NDF: 10789.8/35

In: -401.157+/-1.271 χ^2/NDF:6254.4/39

Out: -381.364+/-1.225 χ^2/NDF:9497.5/42

All: -390.898+/-0.882 χ^2/NDF: 15877.6/82

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -115.994+/-2.175 χ^2/NDF: 420.3/16

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -103.129+/-2.055 χ^2/NDF: 593.3/18

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

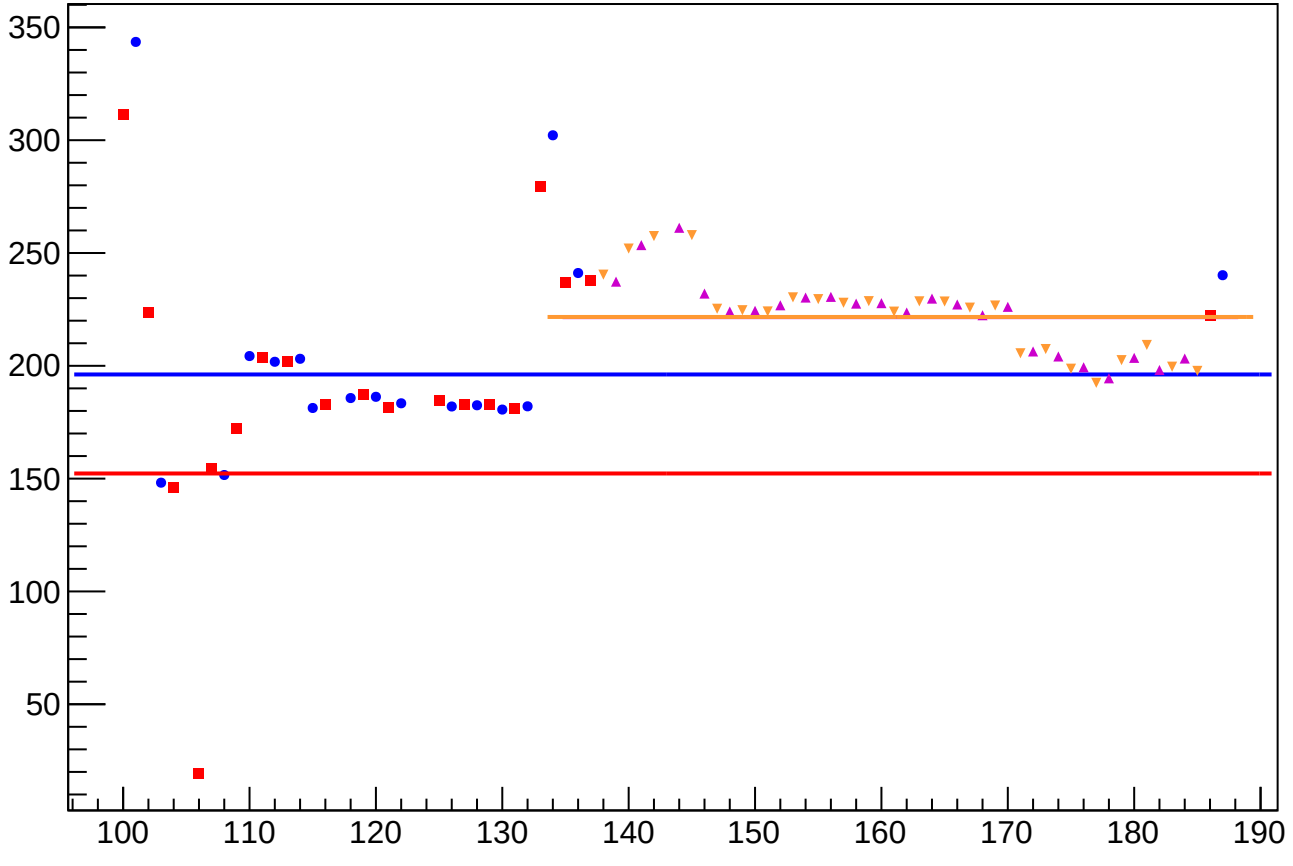
Right: -109.196+/-1.494 χ^2/NDF: 1032.1/35

In: -119.774+/-1.206 χ^2/NDF:857.3/39

Out: -114.831+/-1.177 χ^2/NDF:1253.0/42

All: -117.241+/-0.842 χ^2/NDF: 2118.9/82

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 196.169+/-0.123 χ^2/NDF: 179333.4/16

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 152.279+/-0.109 χ^2/NDF: 507172.7/18

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

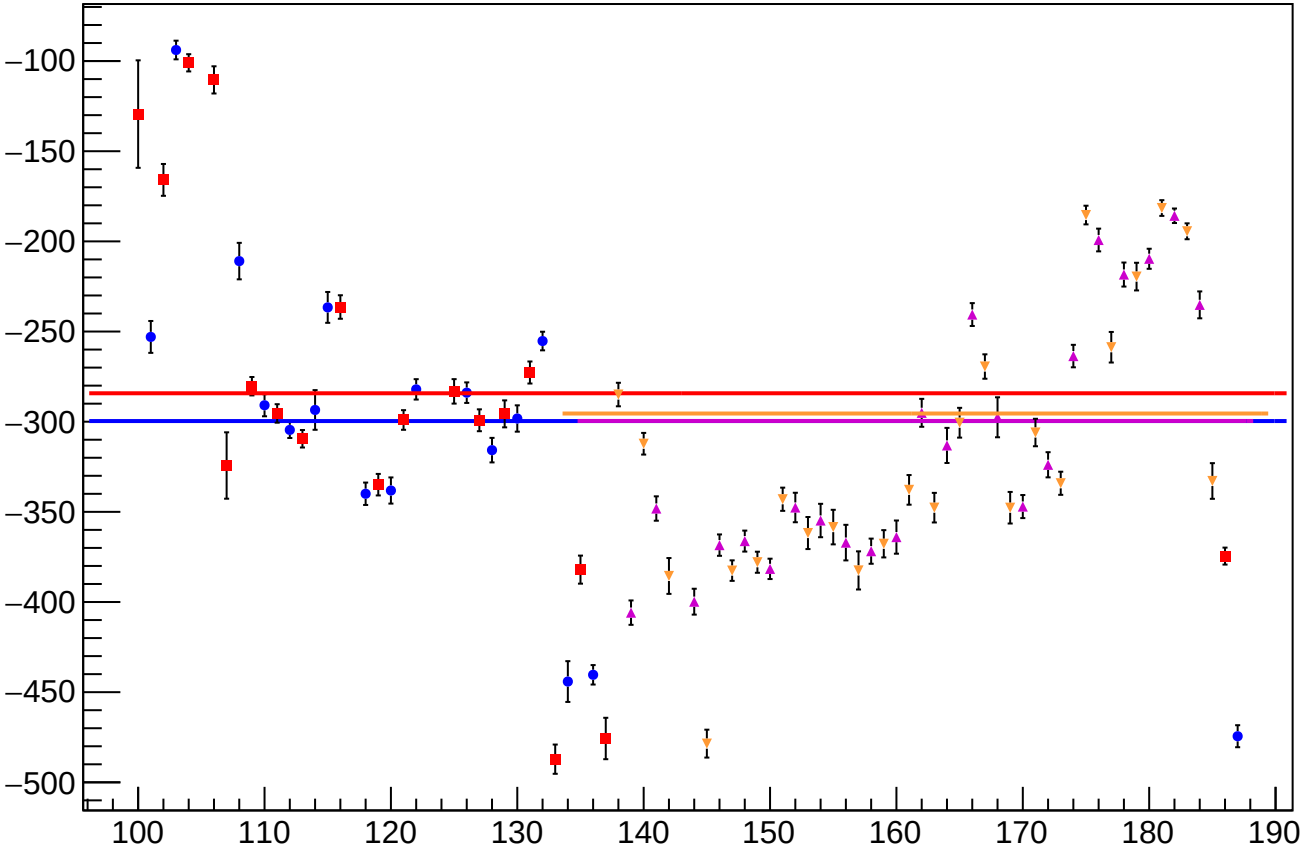
Right: 171.525+/-0.082 χ^2/NDF: 757435.3/35

In: 215.901+/-0.058 χ^2/NDF:274329.7/39

Out: 202.793+/-0.057 χ^2/NDF:868650.7/42

All: 209.182+/-0.041 χ^2/NDF: 1168845.4/82

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -299.644+/-1.558 χ^2/NDF: 3572.8/16

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -284.237+/-1.473 χ^2/NDF: 3821.9/18

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

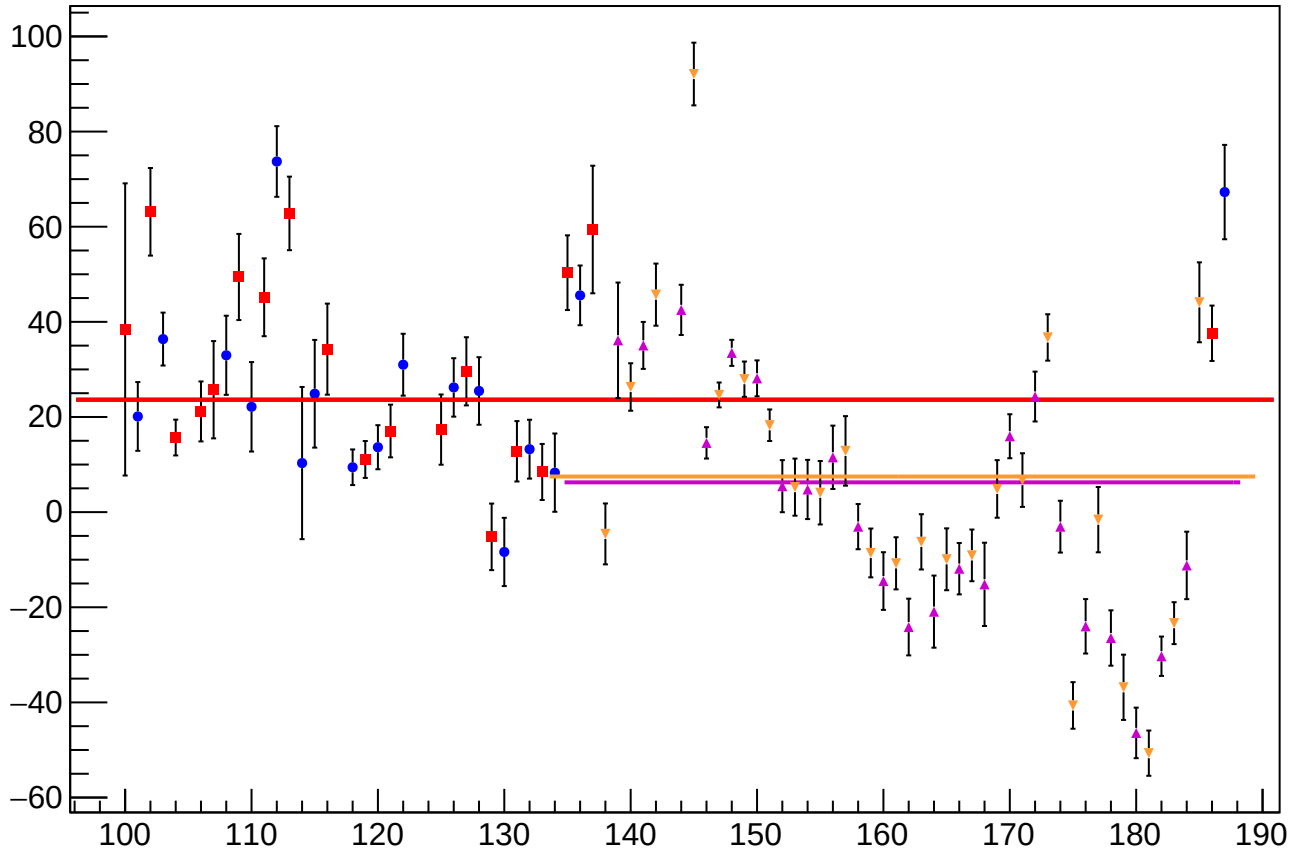
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -291.511+/-1.070 χ^2/NDF: 7446.3/35

In: -299.613+/-1.040 χ^2/NDF:6544.5/39

Out: -290.166+/-1.012 χ^2/NDF:7198.9/42

All: -294.761+/-0.725 χ^2/NDF: 13785.8/82



Right In: 23.657+/-1.600 χ^2/NDF: 131.3/16

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 23.598+/-1.516 χ^2/NDF: 129.5/18

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

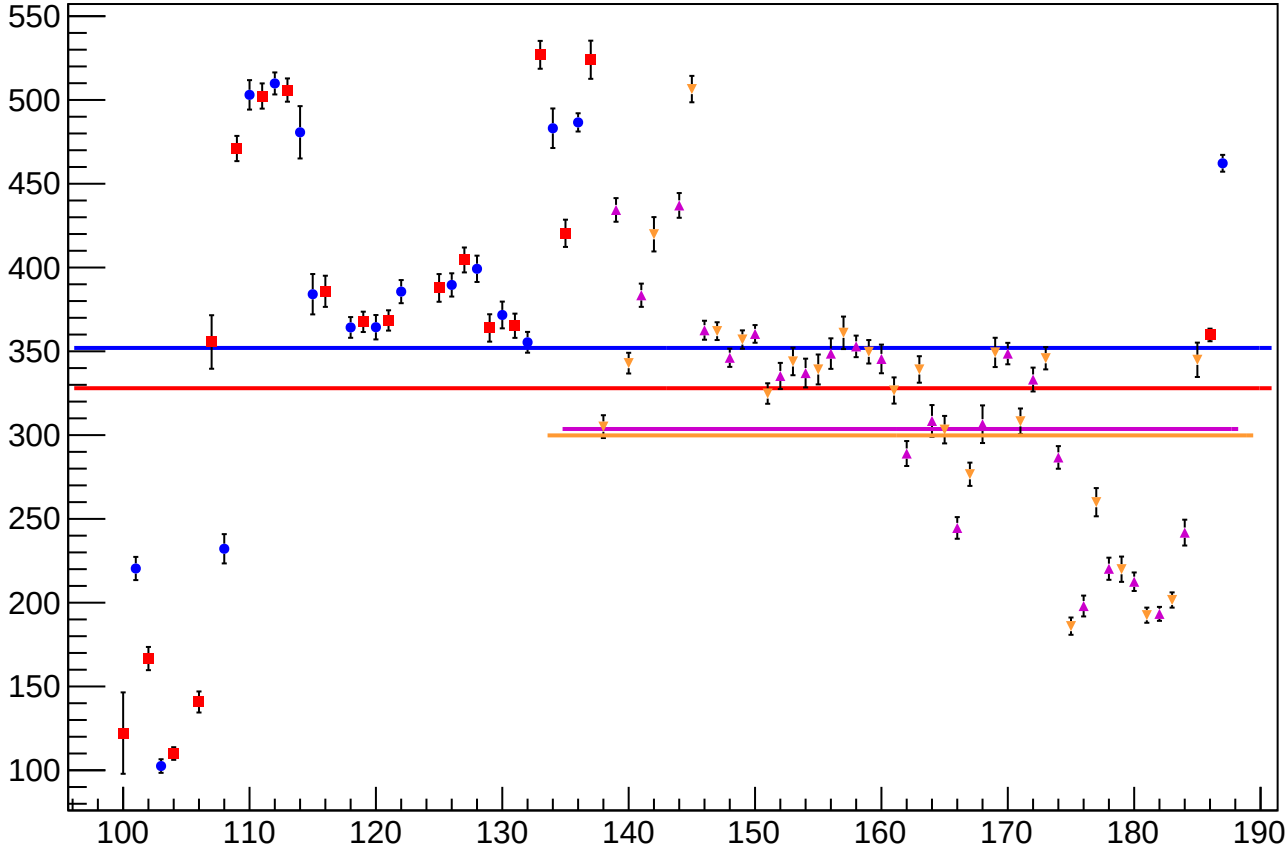
Right: 23.626+/-1.100 χ^2/NDF: 260.8/35

In: 11.463+/-0.875 χ^2/NDF:773.6/39

Out: 12.573+/-0.852 χ^2/NDF:945.3/42

All: 12.033+/-0.610 χ^2/NDF: 1719.8/82

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 352.018+/-1.651 χ^2/NDF: 6583.8/16

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 327.985+/-1.544 χ^2/NDF: 7807.3/18

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

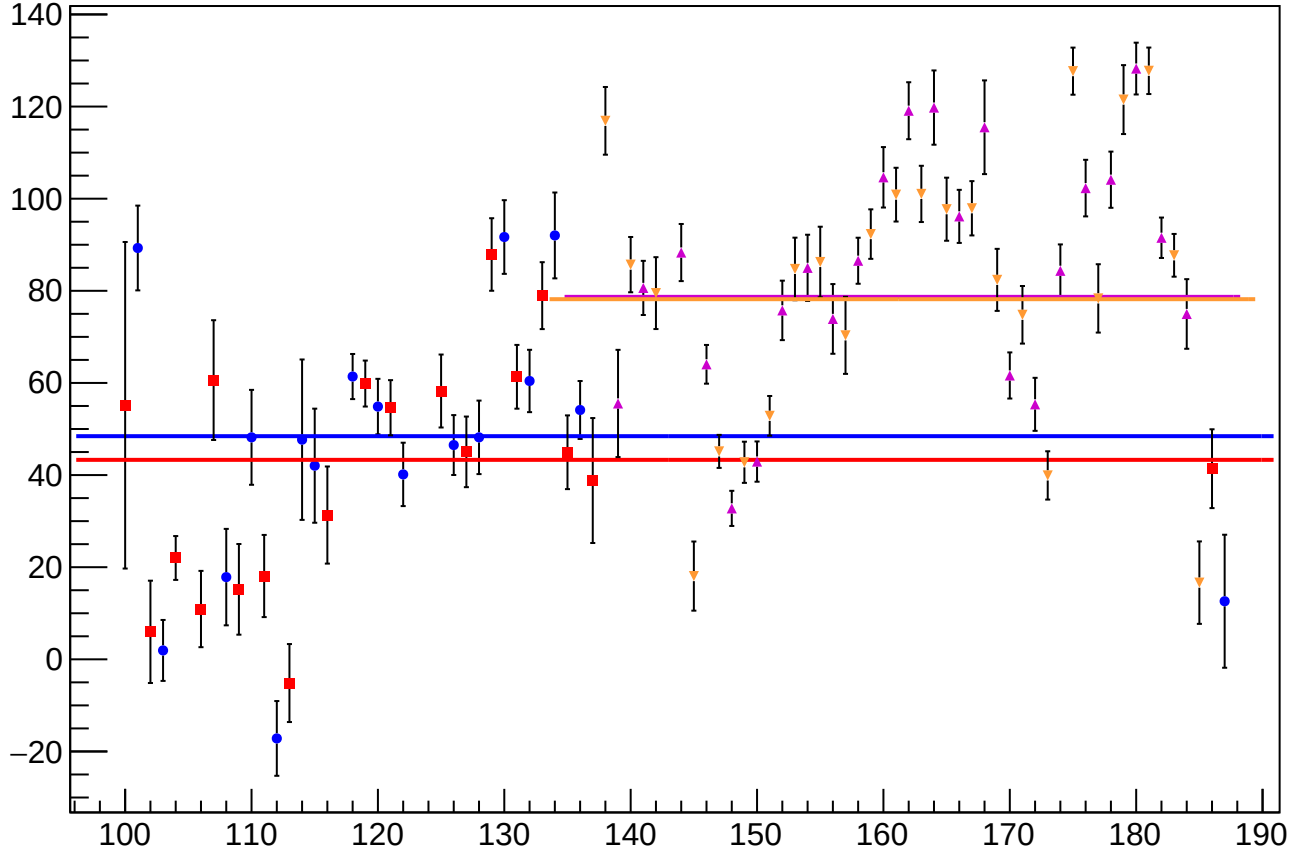
Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

Right: 339.198+/-1.128 χ^2/NDF: 14504.1/35

In: 323.591+/-1.060 χ^2/NDF:9960.9/39

Out: 312.341+/-1.029 χ^2/NDF:11068.2/42

All: 317.801+/-0.738 χ^2/NDF: 21087.0/82



Right In: 48.444+/-1.867 χ^2/NDF: 214.2/16

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 43.304+/-1.793 χ^2/NDF: 180.0/18

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

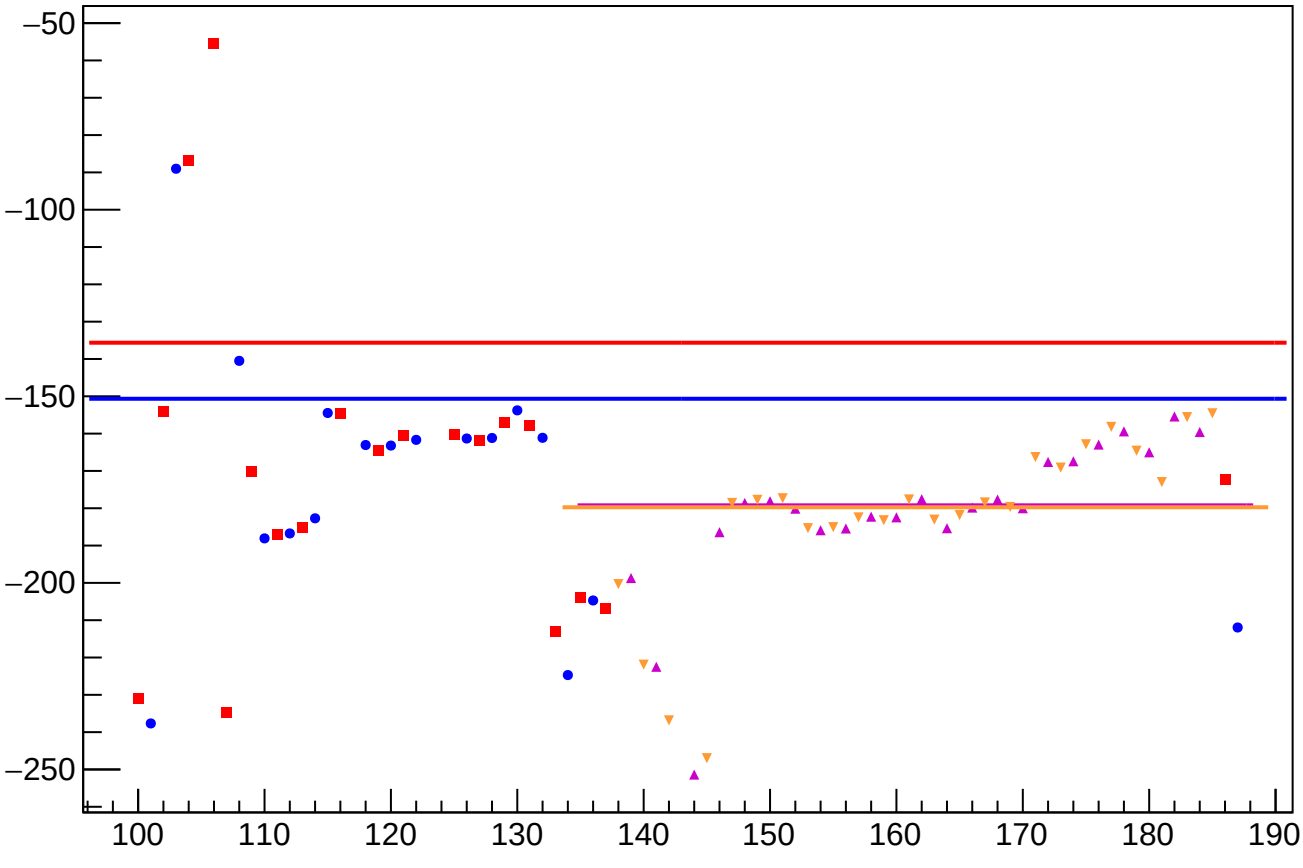
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 45.771+/-1.293 χ^2/NDF: 398.2/35

In: 69.898+/-1.006 χ^2/NDF:889.0/39

Out: 67.584+/-0.988 χ^2/NDF:1106.8/42

All: 68.720+/-0.705 χ^2/NDF: 1998.5/82



Right In: -150.660+/-0.100 χ^2/NDF: 262363.0/16

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -135.638+/-0.096 χ^2/NDF: 316335.3/18

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

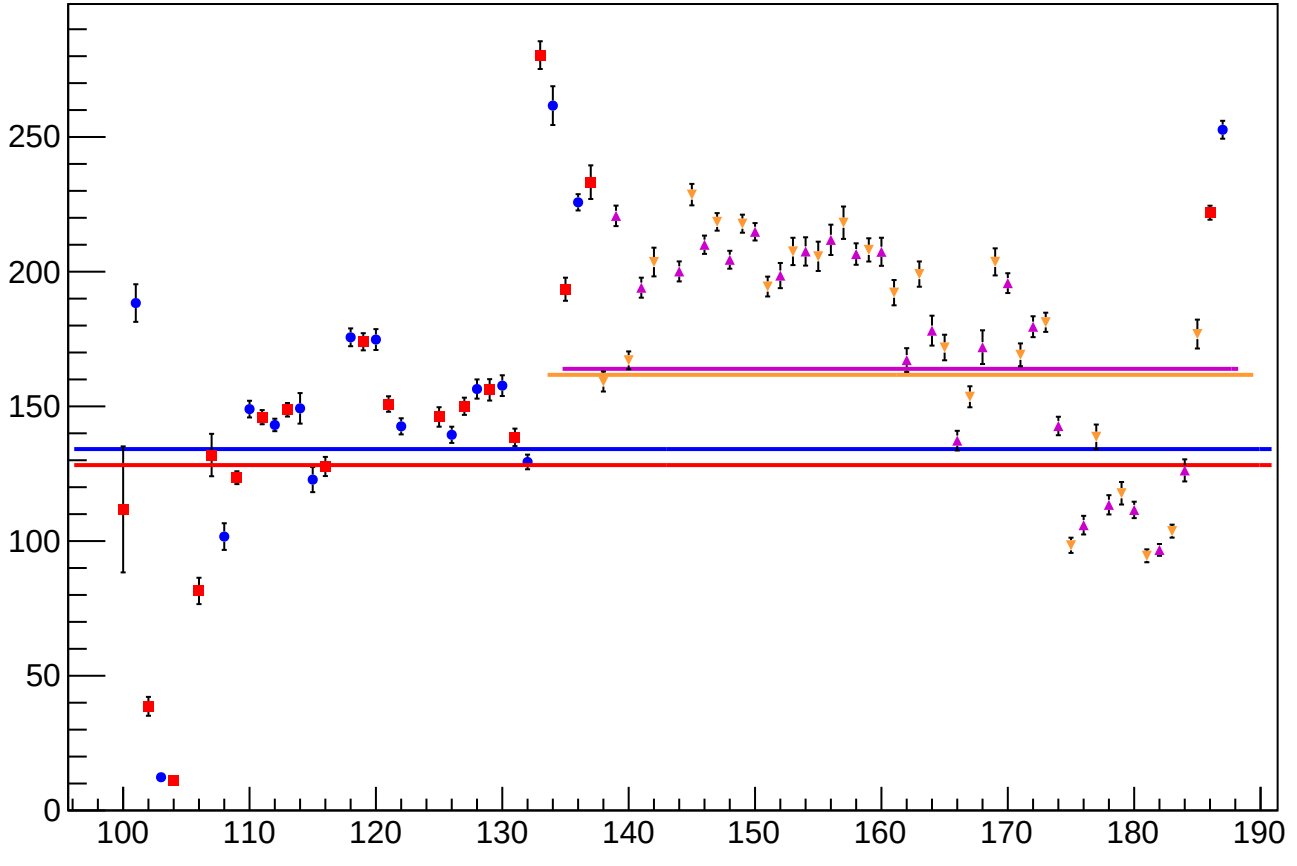
Right: -142.824+/-0.069 χ^2/NDF: 590460.5/35

In: -172.680+/-0.048 χ^2/NDF:438724.3/39

Out: -168.806+/-0.048 χ^2/NDF:607915.6/42

All: -170.736+/-0.034 χ^2/NDF: 1049926.3/82

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 134.150+/-0.788 χ^2/NDF: 7509.9/16

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 128.205+/-0.742 χ^2/NDF: 8065.3/18

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

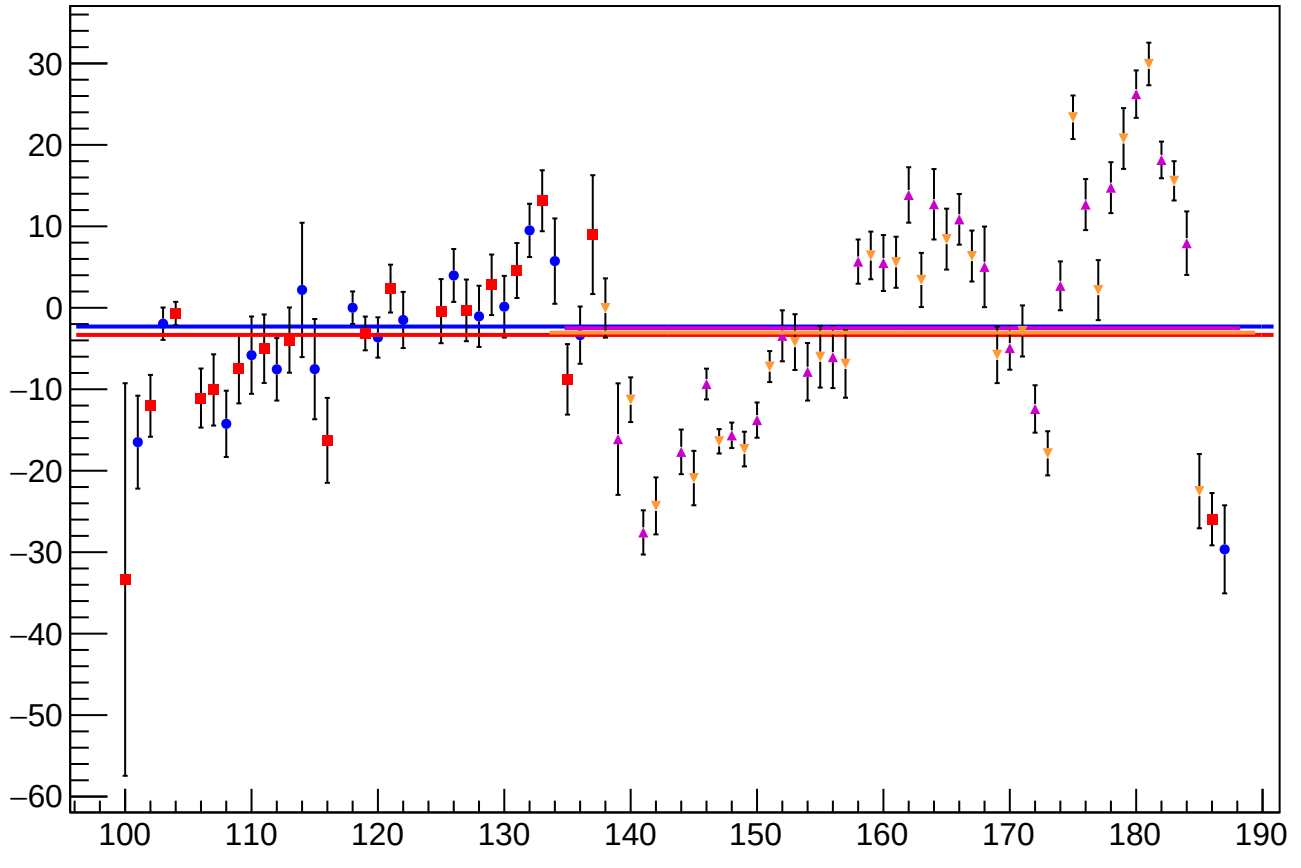
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 131.000+/-0.540 χ^2/NDF: 15605.4/35

In: 149.199+/-0.554 χ^2/NDF:11567.7/39

Out: 144.201+/-0.536 χ^2/NDF:12626.1/42

All: 146.619+/-0.385 χ^2/NDF: 24235.8/82



Right In: -2.301+/-0.823 χ^2/NDF: 65.3/16

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -3.328+/-0.749 χ^2/NDF: 111.0/18

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

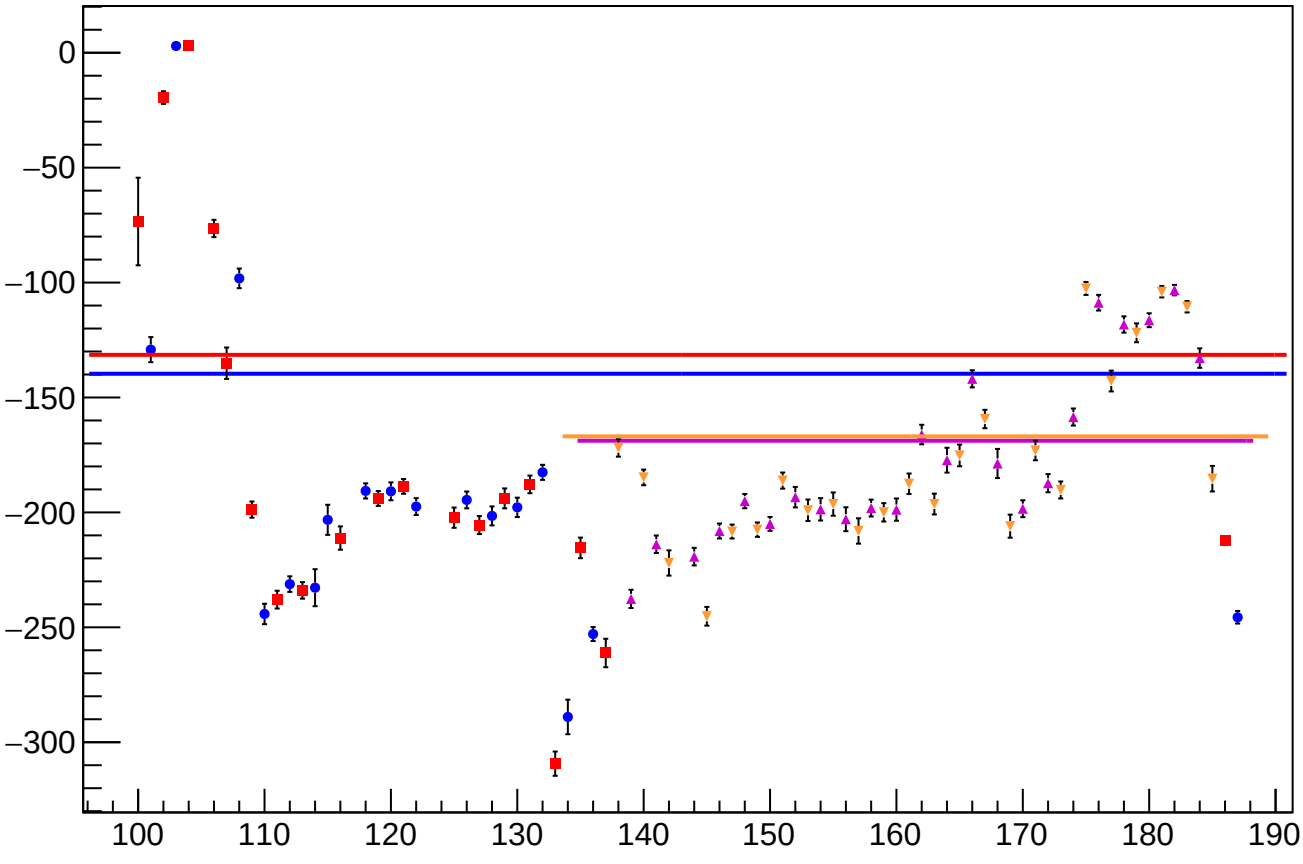
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -2.863+/-0.554 χ^2/NDF: 177.2/35

In: -2.427+/-0.478 χ^2/NDF:628.2/39

Out: -3.146+/-0.458 χ^2/NDF:765.6/42

All: -2.802+/-0.331 χ^2/NDF: 1395.0/82



Right In: -139.673+/-0.808 χ^2/NDF: 16337.4/16

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -131.448+/-0.757 χ^2/NDF: 17929.0/18

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

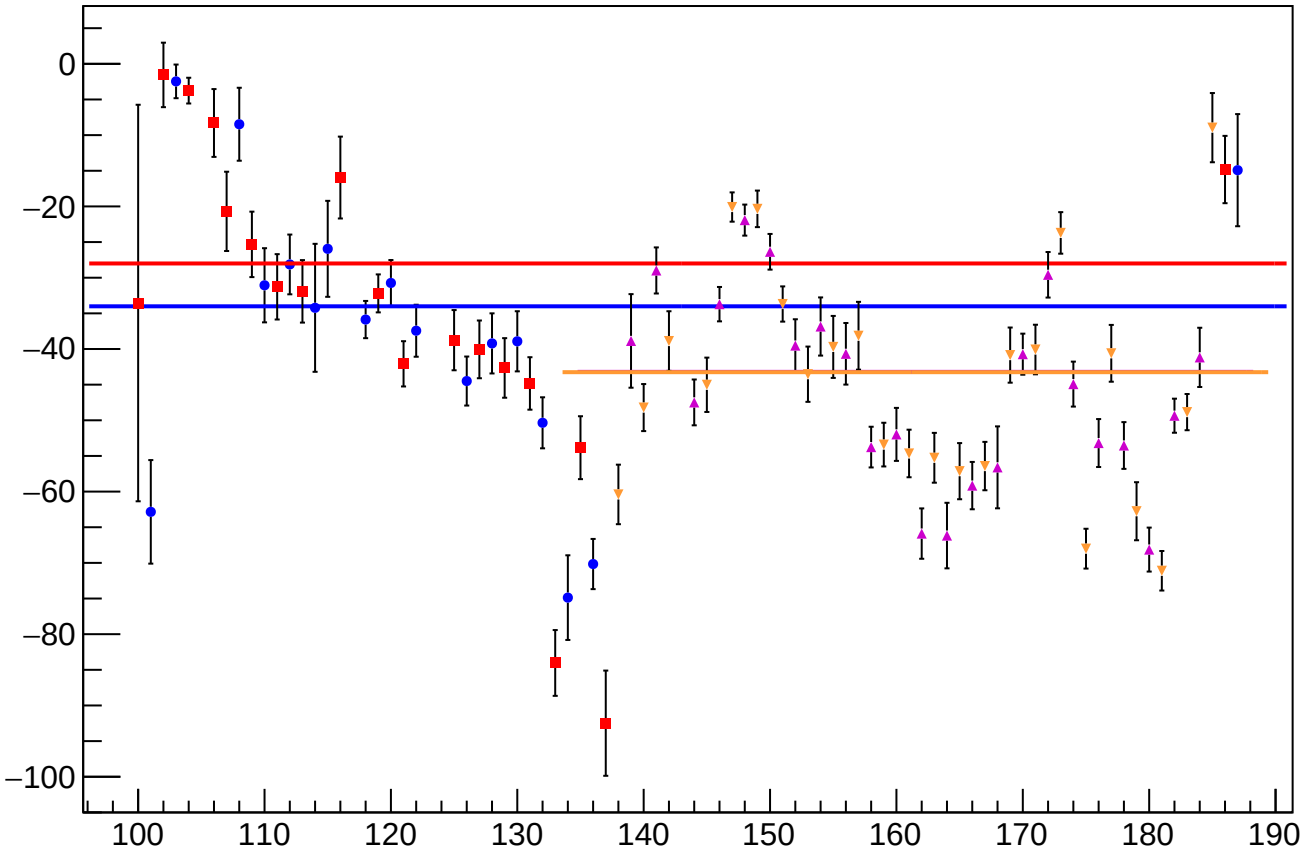
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -135.288+/-0.552 χ^2/NDF: 34321.6/35

In: -154.905+/-0.558 χ^2/NDF:20076.0/39

Out: -148.850+/-0.540 χ^2/NDF:22103.3/42

All: -151.776+/-0.388 χ^2/NDF: 42240.0/82



Right In: -34.011+/-0.961 χ^2/NDF: 417.3/16

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -28.002+/-0.891 χ^2/NDF: 576.1/18

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

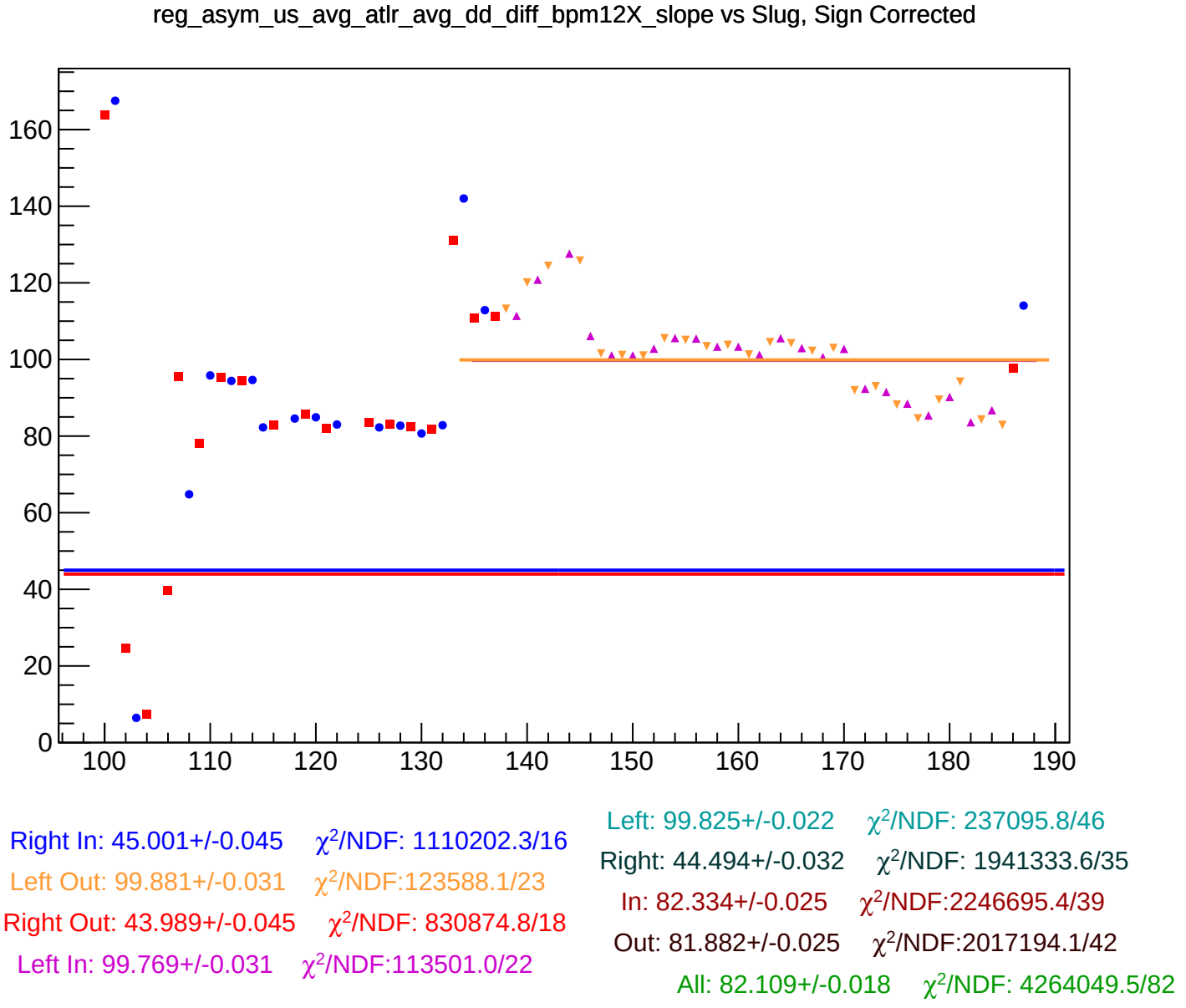
Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

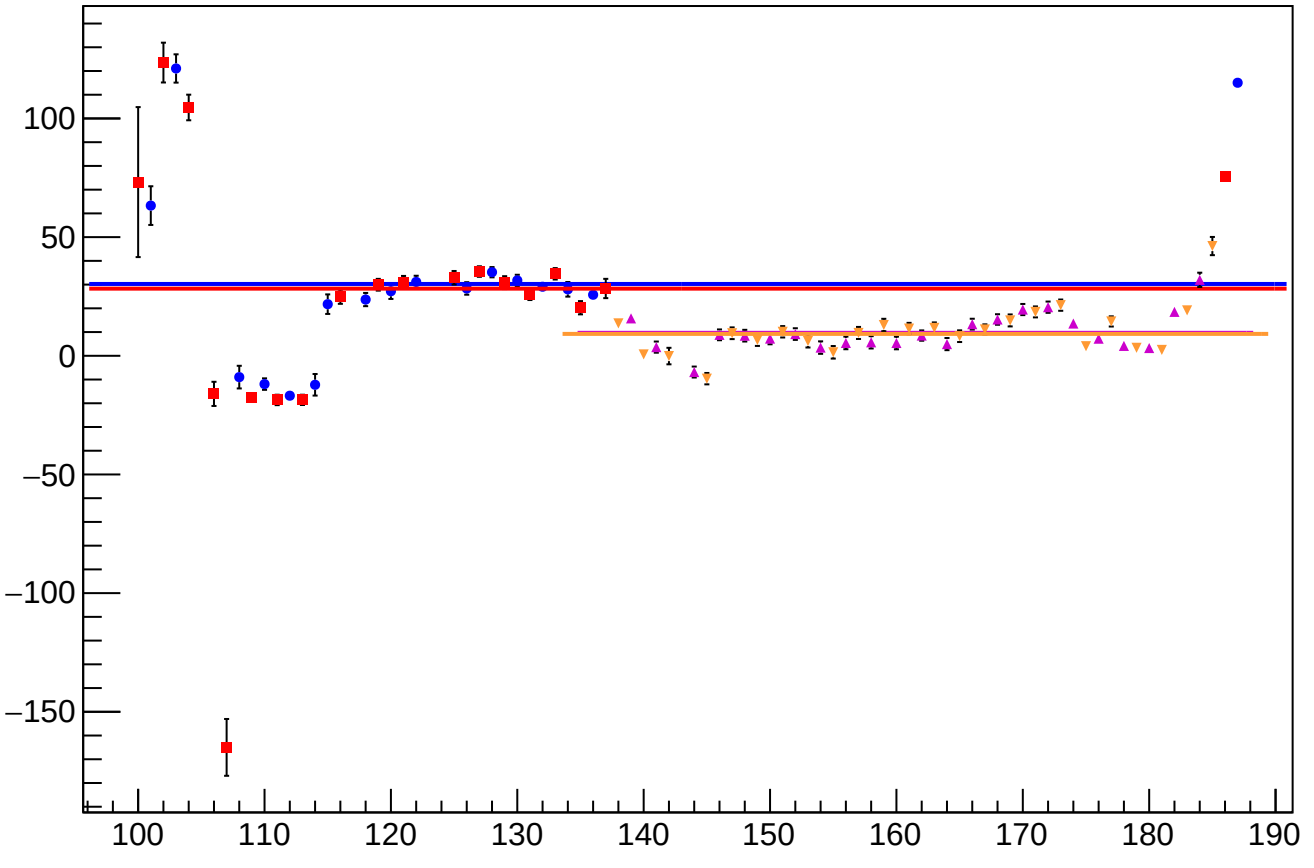
Right: -30.780+/-0.653 χ^2/NDF: 1014.4/35

In: -40.197+/-0.550 χ^2/NDF:884.7/39

Out: -37.802+/-0.532 χ^2/NDF:1374.7/42

All: -38.962+/-0.382 χ^2/NDF: 2269.2/82


reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
0
100
110
120
130
140
150
160
170
180
190
Right In: 45.001+/-0.045 χ²/NDF: 1110202.3/16
Left Out: 99.881+/-0.031 χ²/NDF:123588.1/23
Right Out: 43.989+/-0.045 χ²/NDF: 830874.8/18
Left In: 99.769+/-0.031 χ²/NDF:113501.0/22
Left: 99.825+/-0.022 χ²/NDF: 237095.8/46
Right: 44.494+/-0.032 χ²/NDF: 1941333.6/35
In: 82.334+/-0.025 χ²/NDF:2246695.4/39
Out: 81.882+/-0.025 χ²/NDF:2017194.1/42
All: 82.109+/-0.018 χ²/NDF: 4264049.5/82



Right In: 30.267+/-0.649 χ^2/NDF: 3089.2/16

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 28.299+/-0.606 χ^2/NDF: 3393.1/18

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

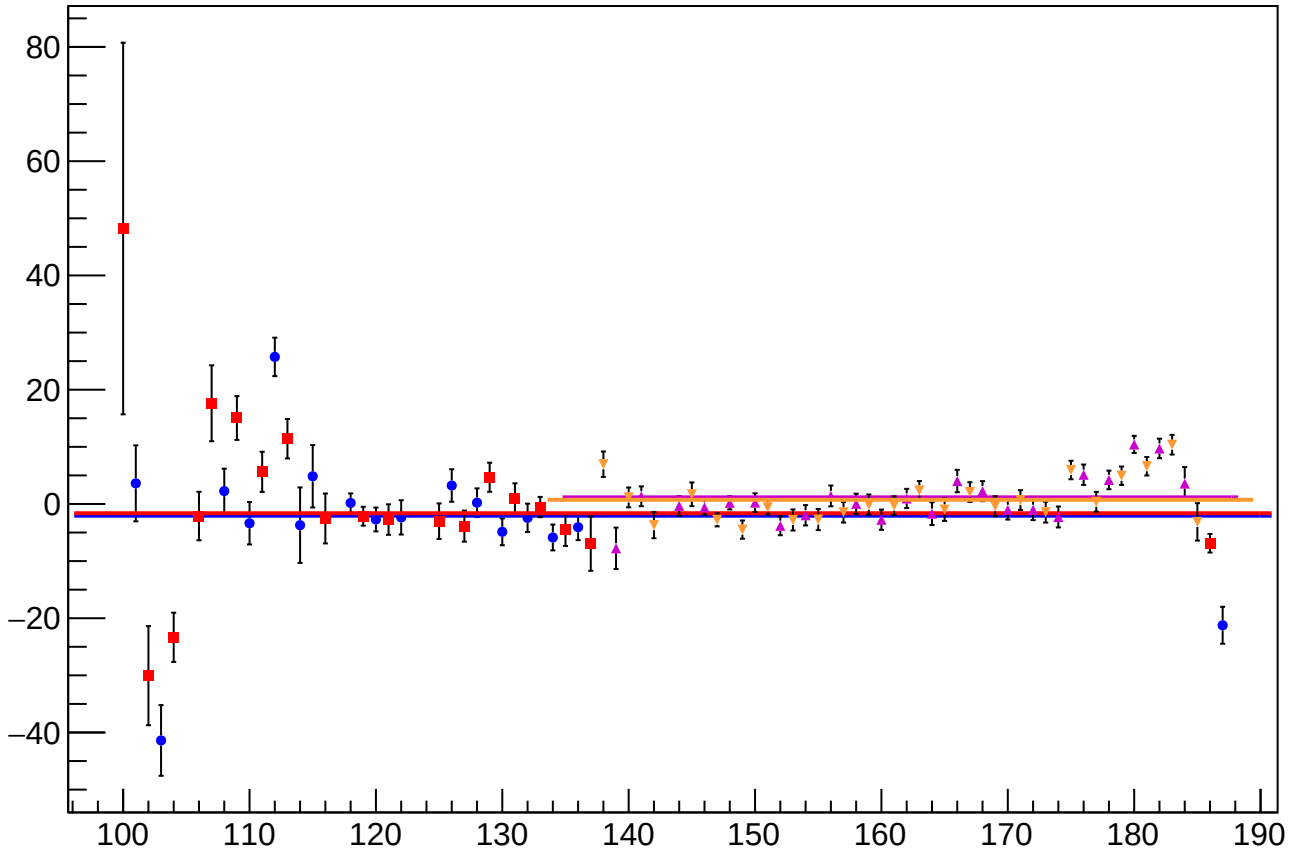
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 29.215+/-0.443 χ^2/NDF: 6487.2/35

In: 16.605+/-0.377 χ^2/NDF:4003.2/39

Out: 16.131+/-0.365 χ^2/NDF:4352.6/42

All: 16.360+/-0.262 χ^2/NDF: 8356.6/82



Right In: -2.047+/-0.683 χ^2/NDF: 158.7/16

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -1.627+/-0.653 χ^2/NDF: 105.8/18

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

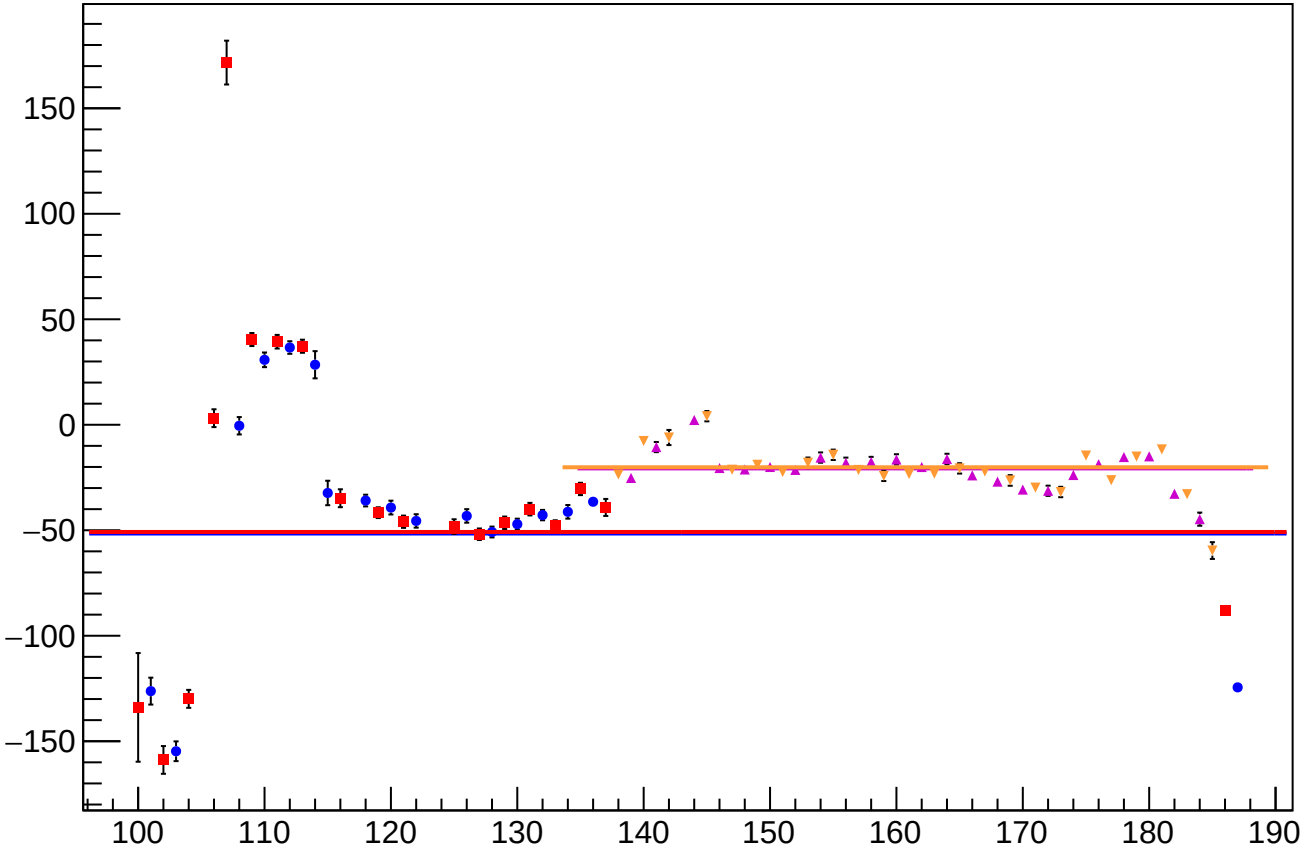
Right: -1.827+/-0.472 χ^2/NDF: 264.7/35

In: 0.468+/-0.317 χ^2/NDF:286.4/39

Out: 0.206+/-0.308 χ^2/NDF:225.7/42

All: 0.333+/-0.221 χ^2/NDF: 512.4/82

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.541+/-0.708 χ^2/NDF: 4521.9/16

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -50.810+/-0.637 χ^2/NDF: 5065.5/18

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

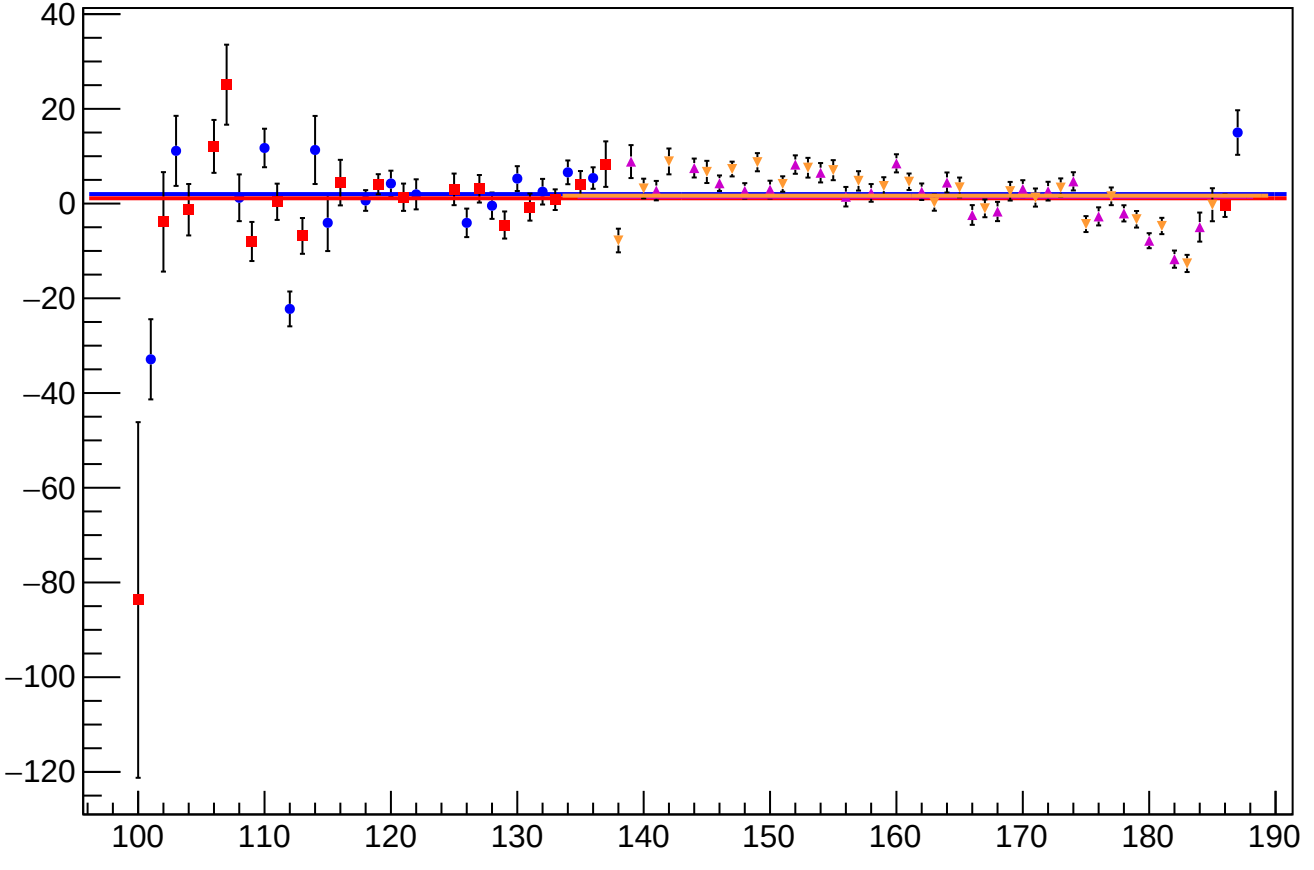
Right: -51.137+/-0.474 χ^2/NDF: 9588.0/35

In: -29.772+/-0.384 χ^2/NDF:6171.7/39

Out: -30.427+/-0.369 χ^2/NDF:7025.0/42

All: -30.113+/-0.266 χ^2/NDF: 13198.2/82

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.003+/-0.786 χ^2/NDF: 91.1/16

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 1.116+/-0.772 χ^2/NDF: 38.0/18

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

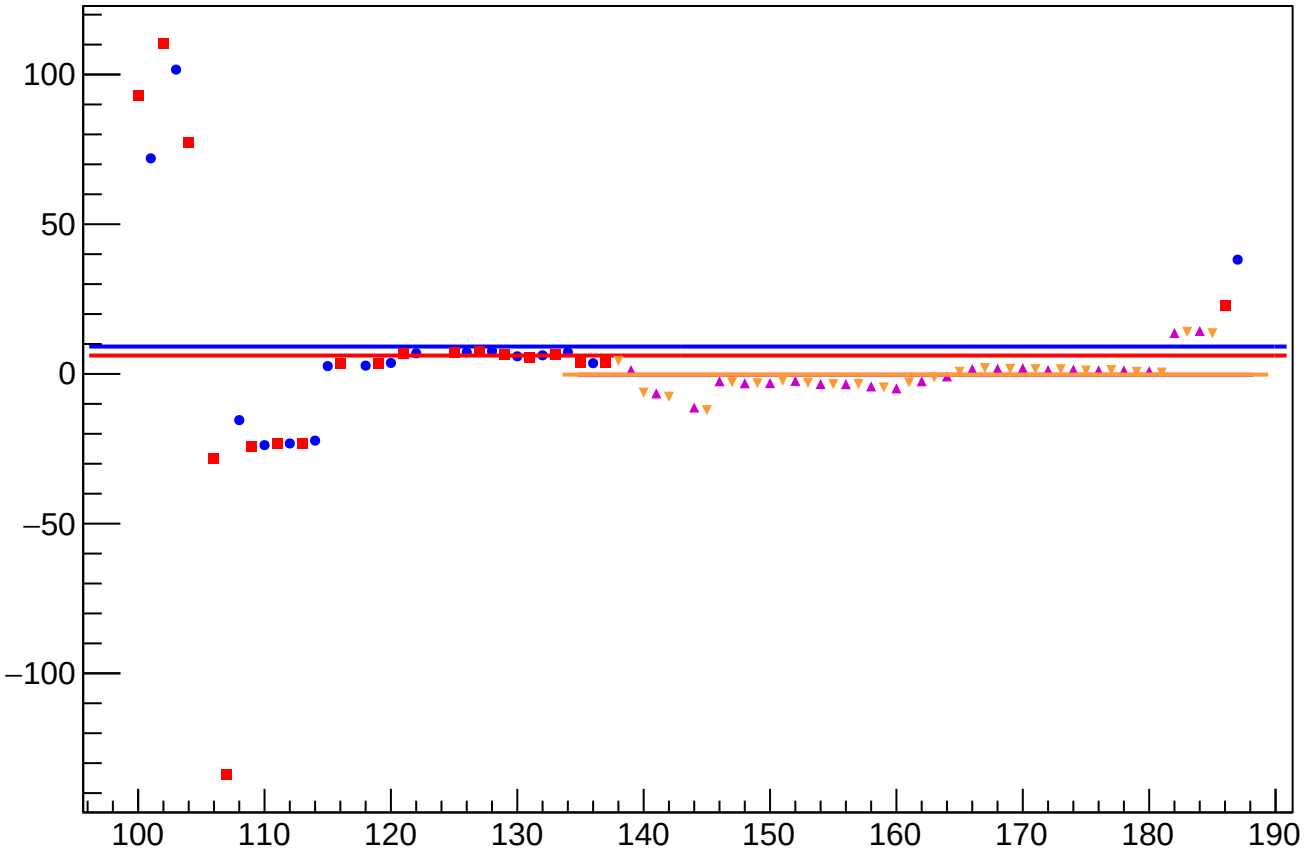
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.552+/-0.551 χ^2/NDF: 129.8/35

In: 1.547+/-0.358 χ^2/NDF:254.4/39

Out: 1.556+/-0.352 χ^2/NDF:216.4/42

All: 1.552+/-0.251 χ^2/NDF: 470.7/82



Right In: 9.144+/-0.048 χ^2/NDF: 326154.6/16

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 6.143+/-0.049 χ^2/NDF: 456974.2/18

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

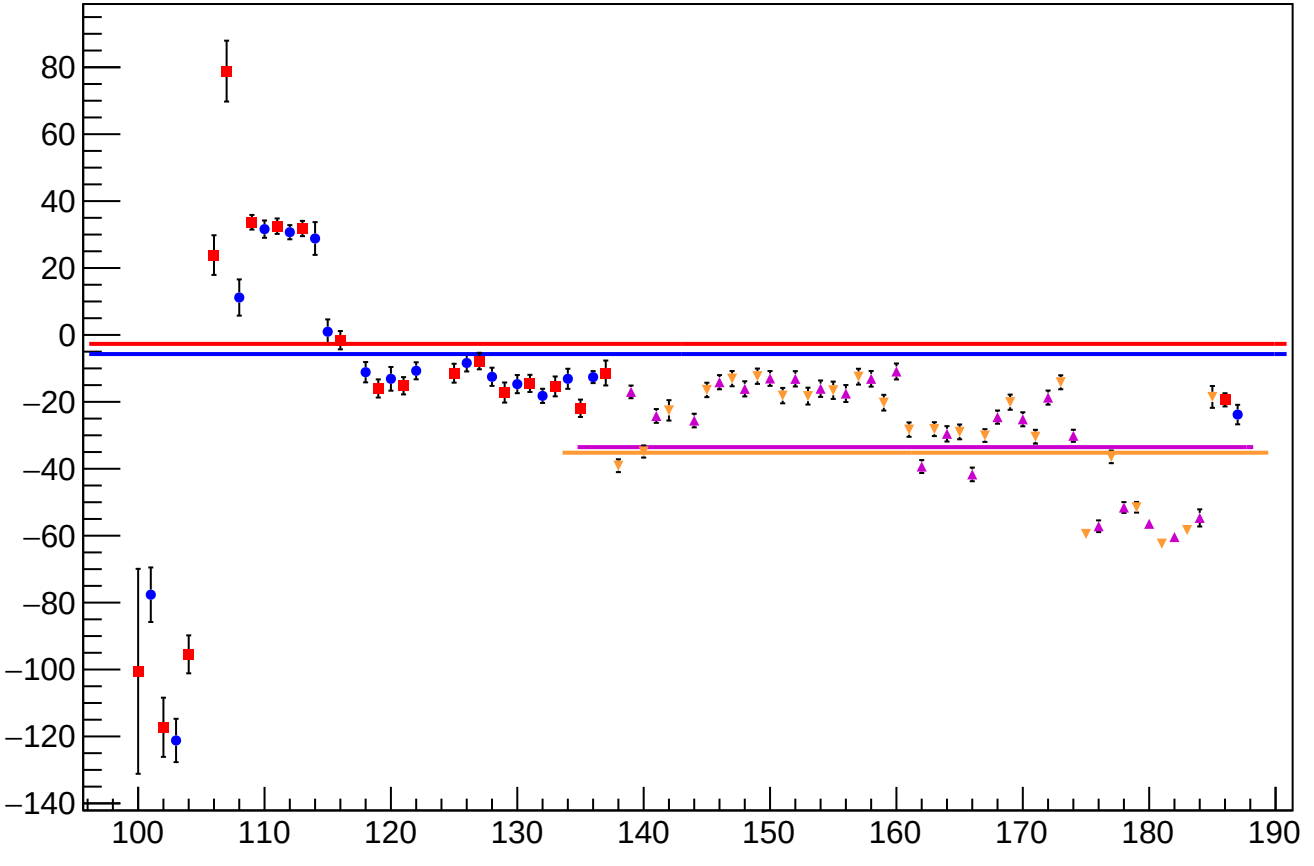
Right: 7.703+/-0.034 χ^2/NDF: 785040.2/35

In: 0.879+/-0.017 χ^2/NDF:433330.8/39

Out: 0.489+/-0.017 χ^2/NDF:552659.6/42

All: 0.684+/-0.012 χ^2/NDF: 986266.3/82

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.717+/-0.691 χ^2/NDF: 1087.0/16

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -2.673+/-0.669 χ^2/NDF: 1538.9/18

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

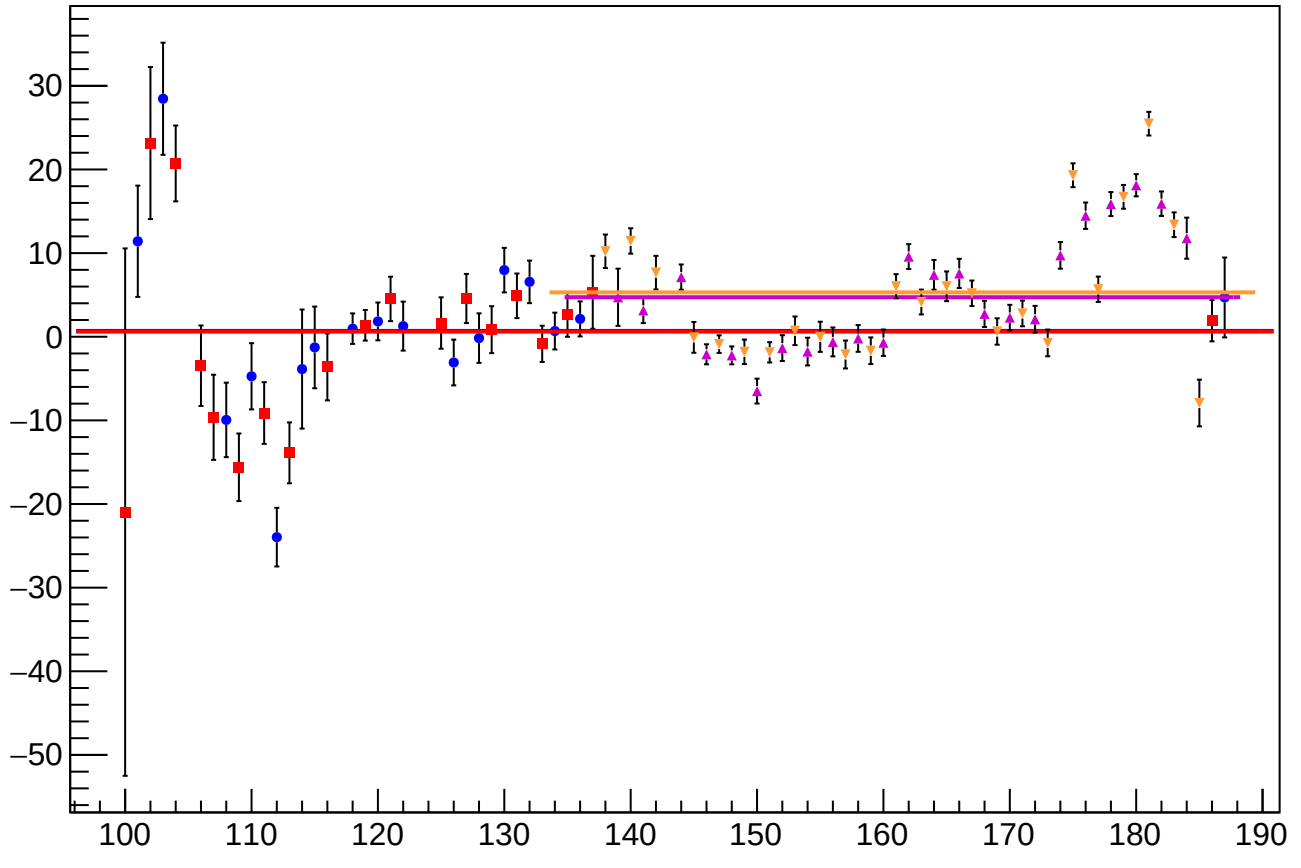
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

Right: -4.145+/-0.481 χ^2/NDF: 2635.9/35

In: -26.194+/-0.355 χ^2/NDF:4085.0/39

Out: -26.374+/-0.348 χ^2/NDF:5113.0/42

All: -26.286+/-0.249 χ^2/NDF: 9198.2/82



Right In: 0.695+/-0.719 χ^2/NDF: 93.6/16

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: 0.618+/-0.722 χ^2/NDF: 80.5/18

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

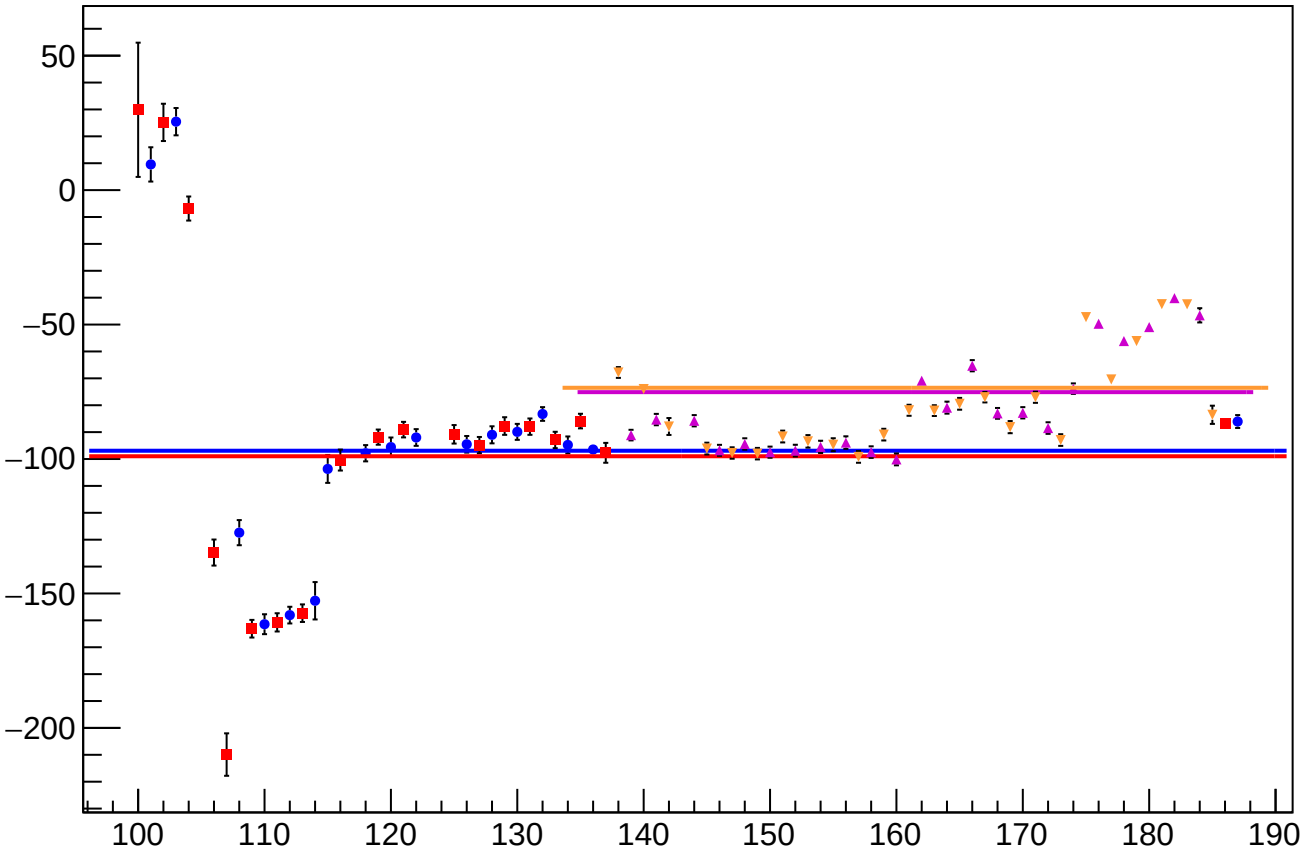
Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

Right: 0.657+/-0.509 χ^2/NDF: 174.1/35

In: 4.056+/-0.293 χ^2/NDF:615.8/39

Out: 4.557+/-0.289 χ^2/NDF:740.3/42

All: 4.310+/-0.206 χ^2/NDF: 1357.6/82



Right In: -96.920+/-0.770 χ^2/NDF: 1722.8/16

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -98.973+/-0.740 χ^2/NDF: 2192.0/18

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

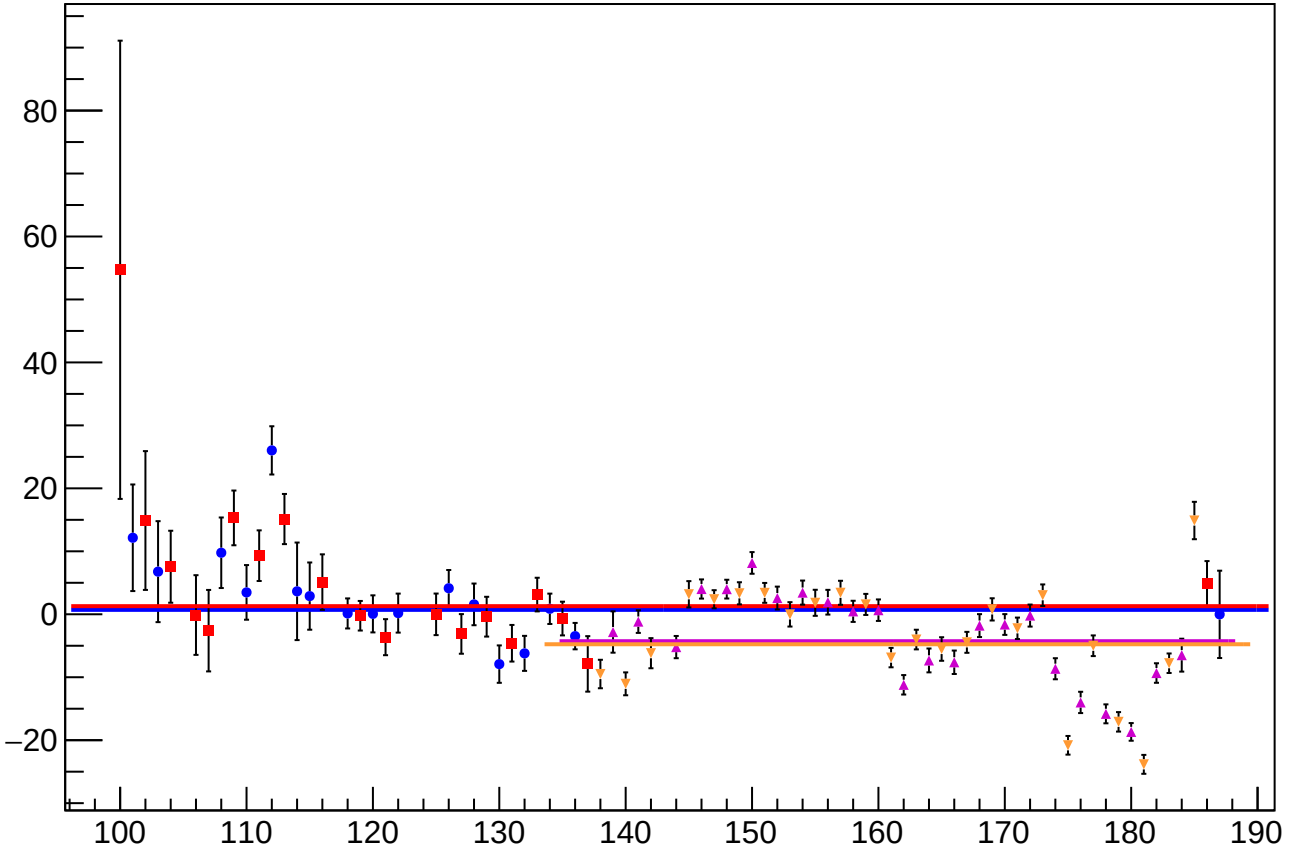
Right: -97.987+/-0.533 χ^2/NDF: 3918.5/35

In: -79.949+/-0.362 χ^2/NDF:4708.9/39

Out: -79.384+/-0.355 χ^2/NDF:5495.2/42

All: -79.661+/-0.254 χ^2/NDF: 10205.4/82

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.701+/-0.816 χ^2/NDF: 69.6/16

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 1.288+/-0.833 χ^2/NDF: 48.7/18

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

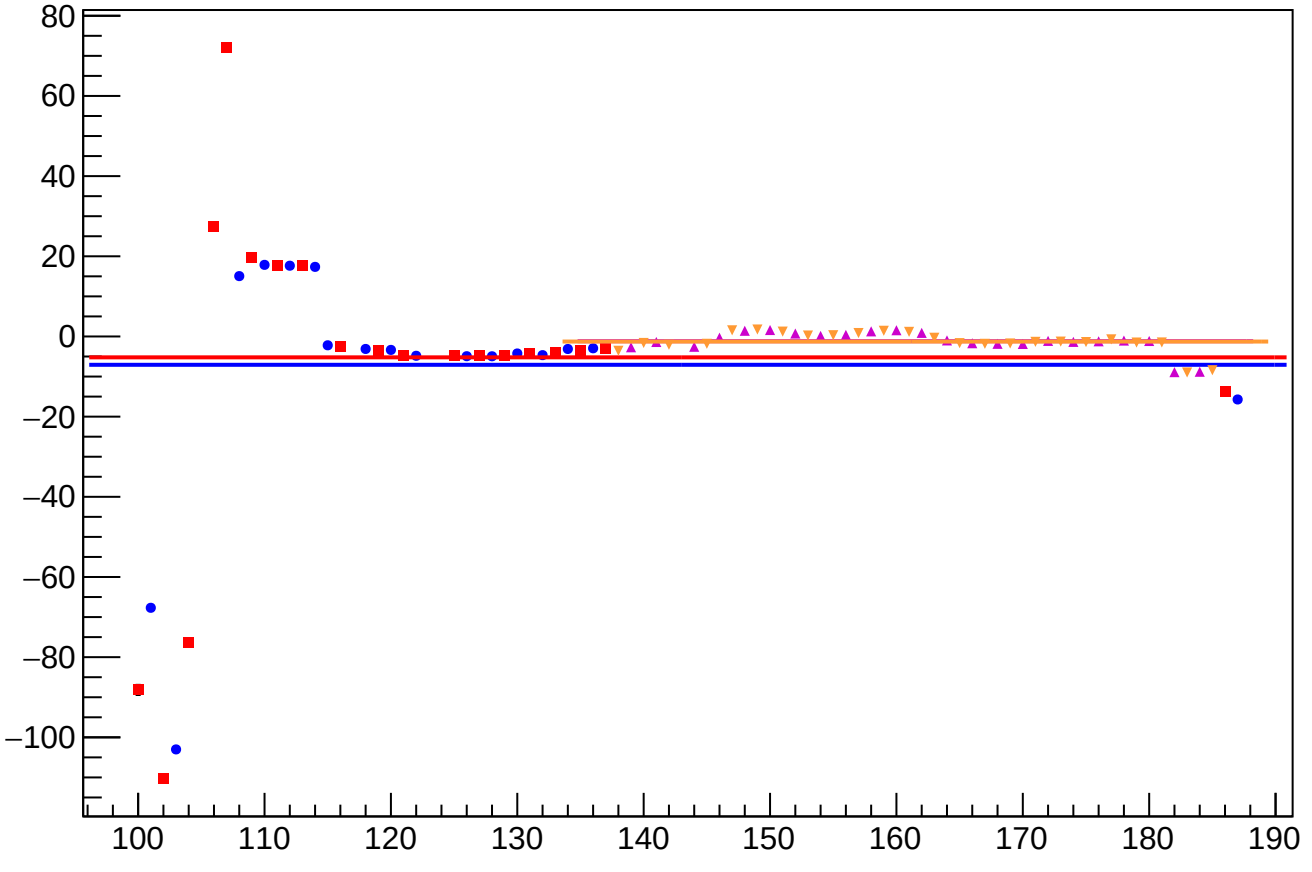
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 0.988+/-0.583 χ^2/NDF: 118.6/35

In: -3.463+/-0.330 χ^2/NDF:524.9/39

Out: -3.834+/-0.326 χ^2/NDF:670.2/42

All: -3.650+/-0.232 χ^2/NDF: 1195.8/82



Right In: -7.068+/-0.048 χ^2/NDF: 265712.7/16

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -5.208+/-0.052 χ^2/NDF: 340575.1/18

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

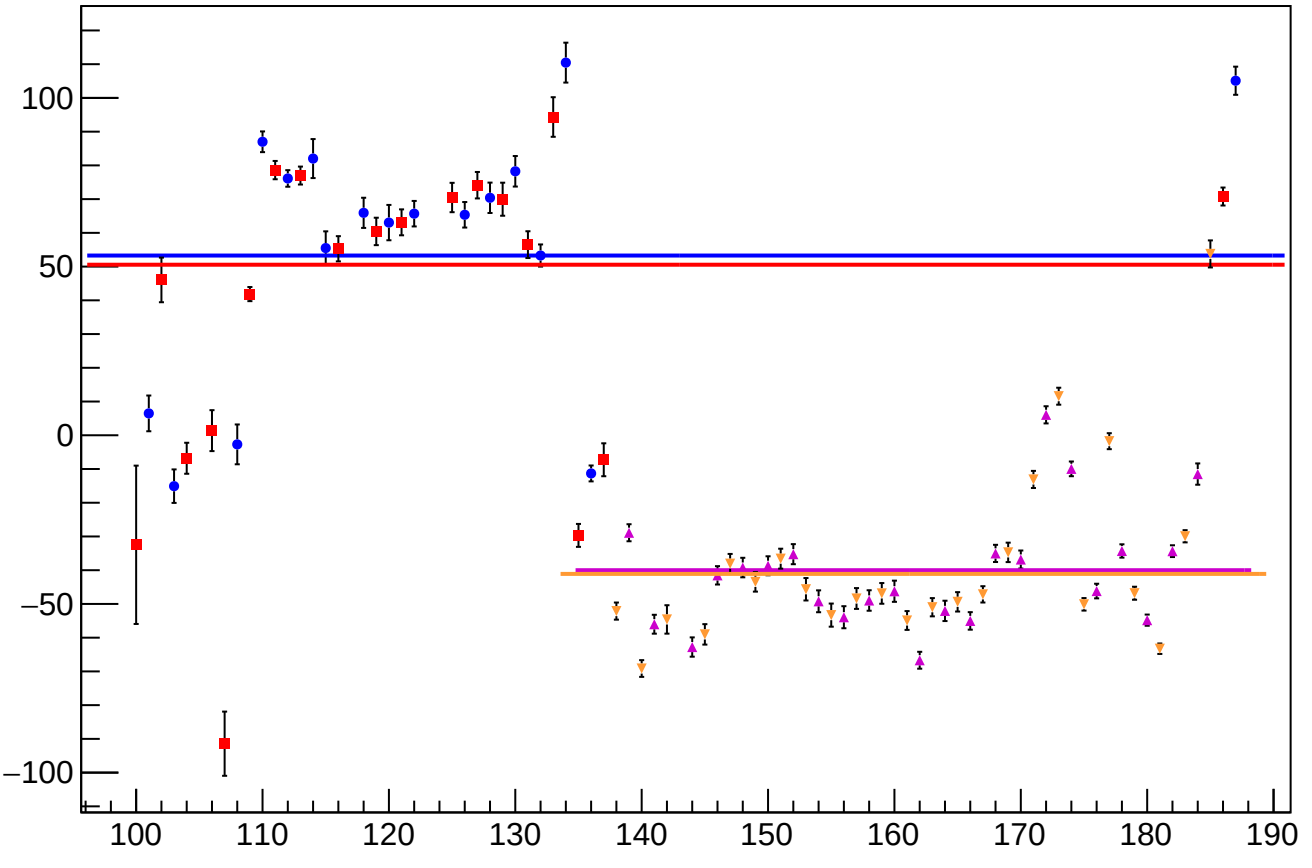
Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

Right: -6.204+/-0.035 χ^2/NDF: 606981.3/35

In: -1.763+/-0.015 χ^2/NDF:303944.5/39

Out: -1.606+/-0.015 χ^2/NDF:370977.9/42

All: -1.685+/-0.011 χ^2/NDF: 674975.8/82



Right In: 53.276+/-0.940 χ^2/NDF: 1666.1/16

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 50.556+/-0.865 χ^2/NDF: 1584.0/18

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

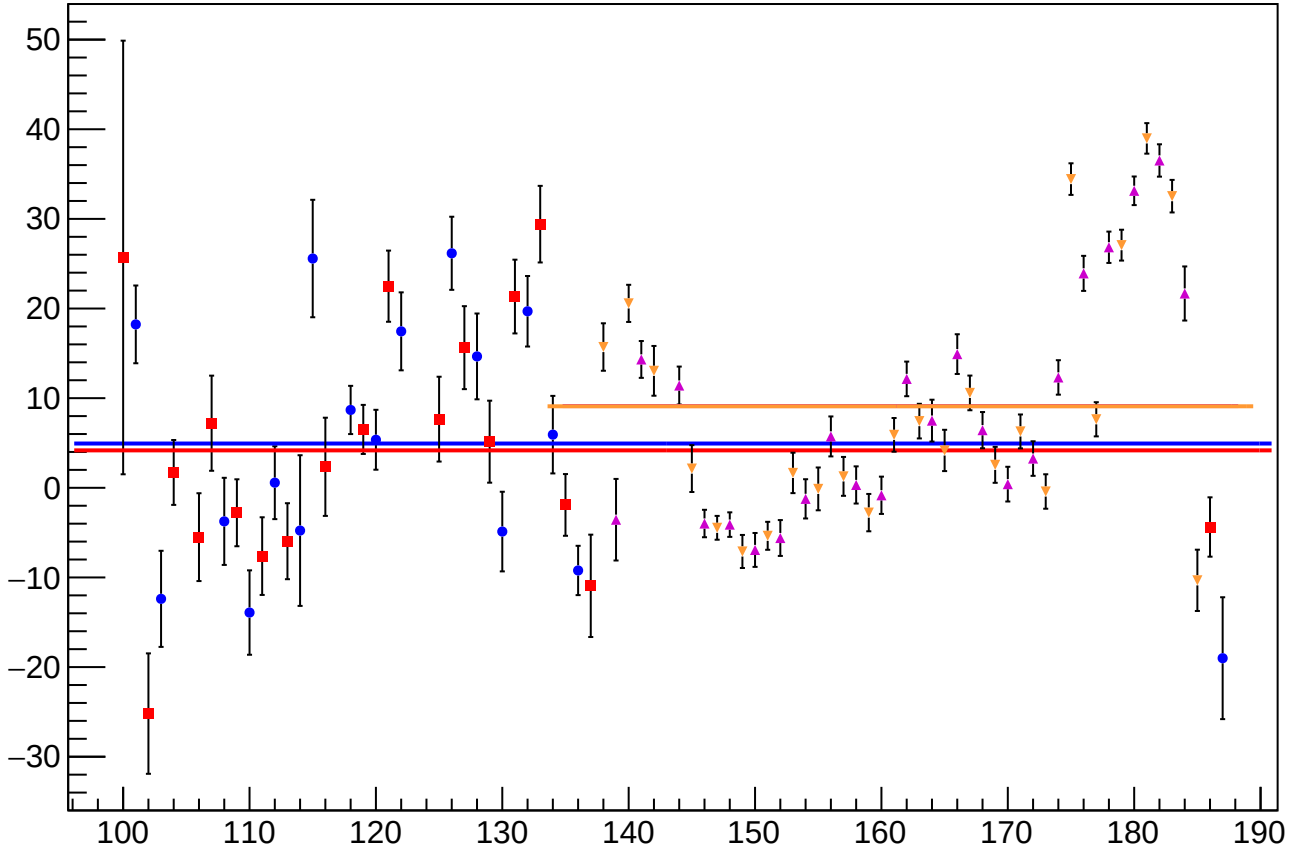
Right: 51.802+/-0.637 χ^2/NDF: 3254.6/35

In: -17.886+/-0.458 χ^2/NDF:10202.3/39

Out: -16.938+/-0.444 χ^2/NDF:11804.8/42

All: -17.397+/-0.319 χ^2/NDF: 22009.3/82

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.940+/-1.010 χ^2/NDF: 150.9/16

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 4.176+/-0.977 χ^2/NDF: 139.1/18

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

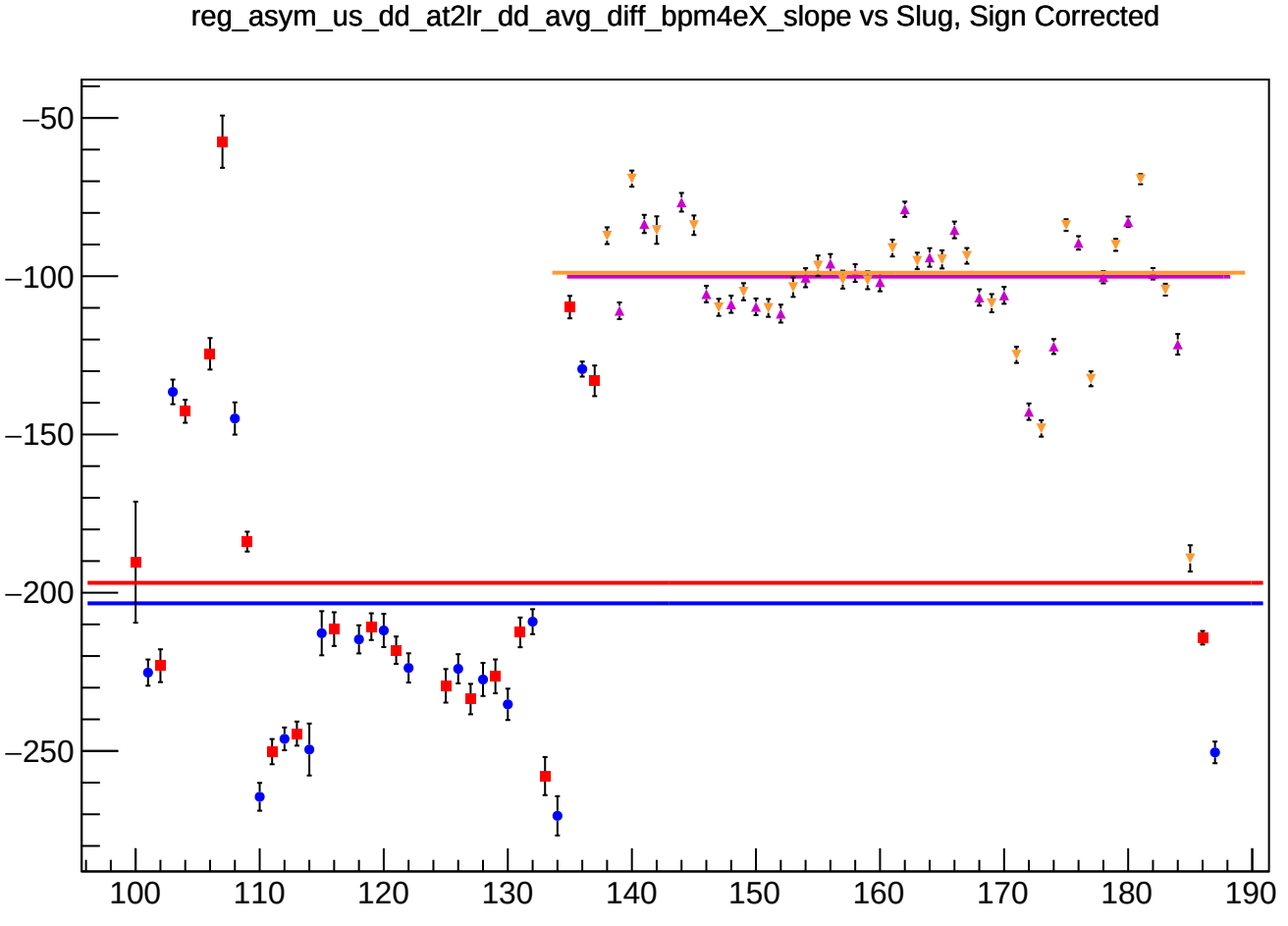
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 4.545+/-0.702 χ^2/NDF: 290.3/35

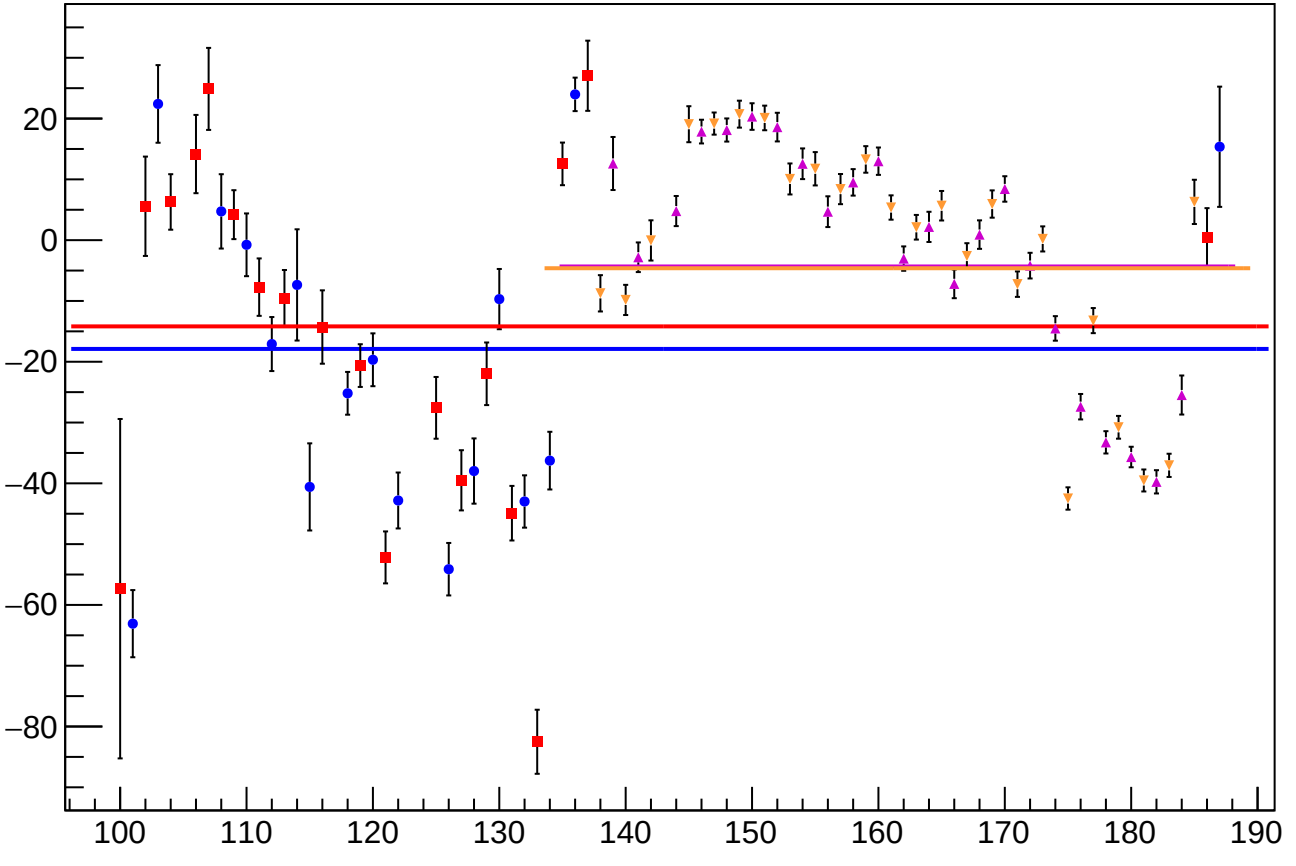
In: 8.532+/-0.379 χ^2/NDF:1217.4/39

Out: 8.384+/-0.371 χ^2/NDF:1414.5/42

All: 8.457+/-0.265 χ^2/NDF: 2632.0/82


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
190
Right In: -203.346+/-1.033 χ²/NDF: 2209.9/16
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -196.864+/-0.964 χ²/NDF: 2222.0/18
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -199.880+/-0.705 χ²/NDF: 4453.0/35
In: -120.999+/-0.465 χ²/NDF:10998.2/39
Out: -120.597+/-0.454 χ²/NDF:12095.1/42
All: -120.794+/-0.325 χ²/NDF: 23093.7/82

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -17.891+/-1.151 χ^2/NDF: 555.4/16

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -14.183+/-1.130 χ^2/NDF: 556.0/18

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

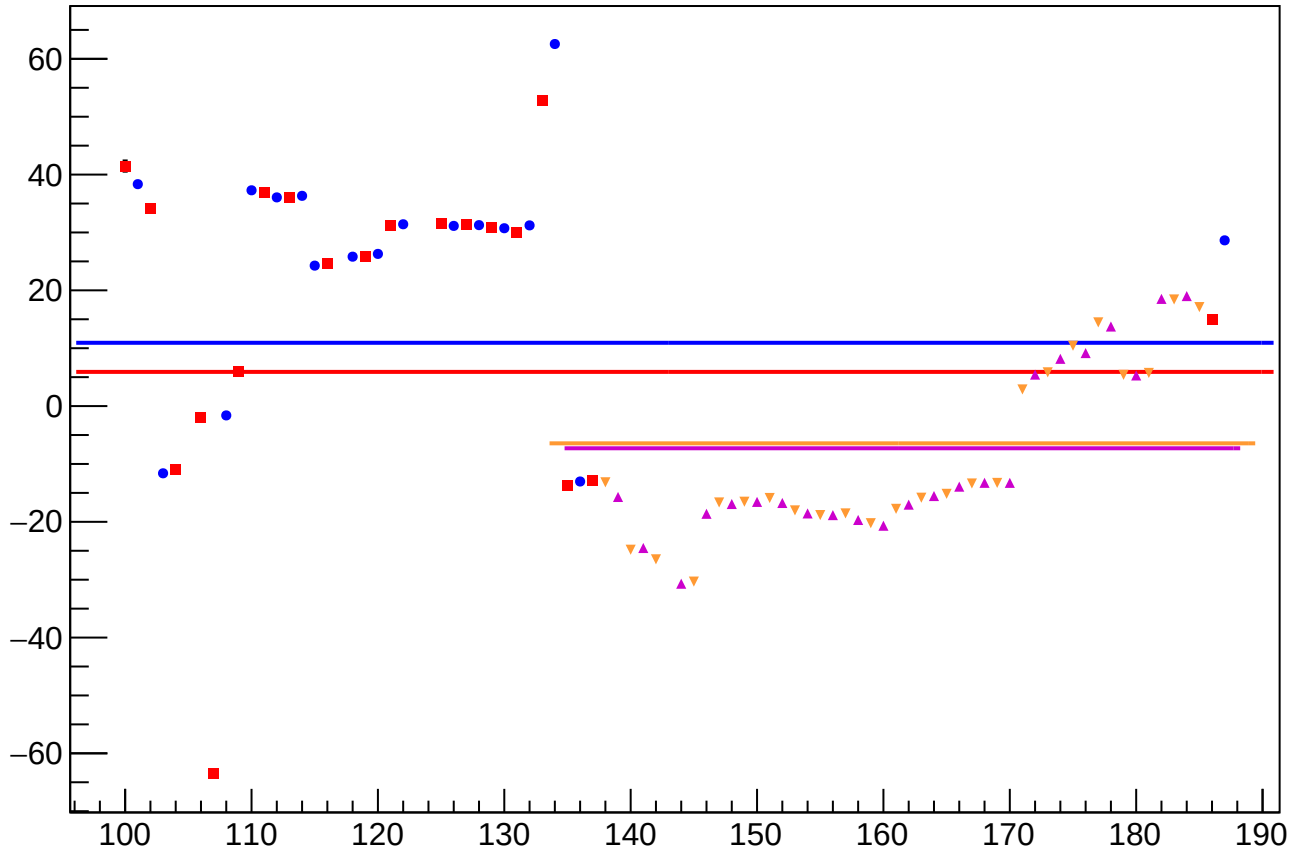
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -16.002+/-0.806 χ^2/NDF: 1116.7/35

In: -6.186+/-0.426 χ^2/NDF:2529.3/39

Out: -5.934+/-0.419 χ^2/NDF:2696.1/42

All: -6.058+/-0.299 χ^2/NDF: 5225.6/82



Right In: 10.937+/-0.062 χ^2/NDF: 165919.4/16

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 5.908+/-0.063 χ^2/NDF: 155689.8/18

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

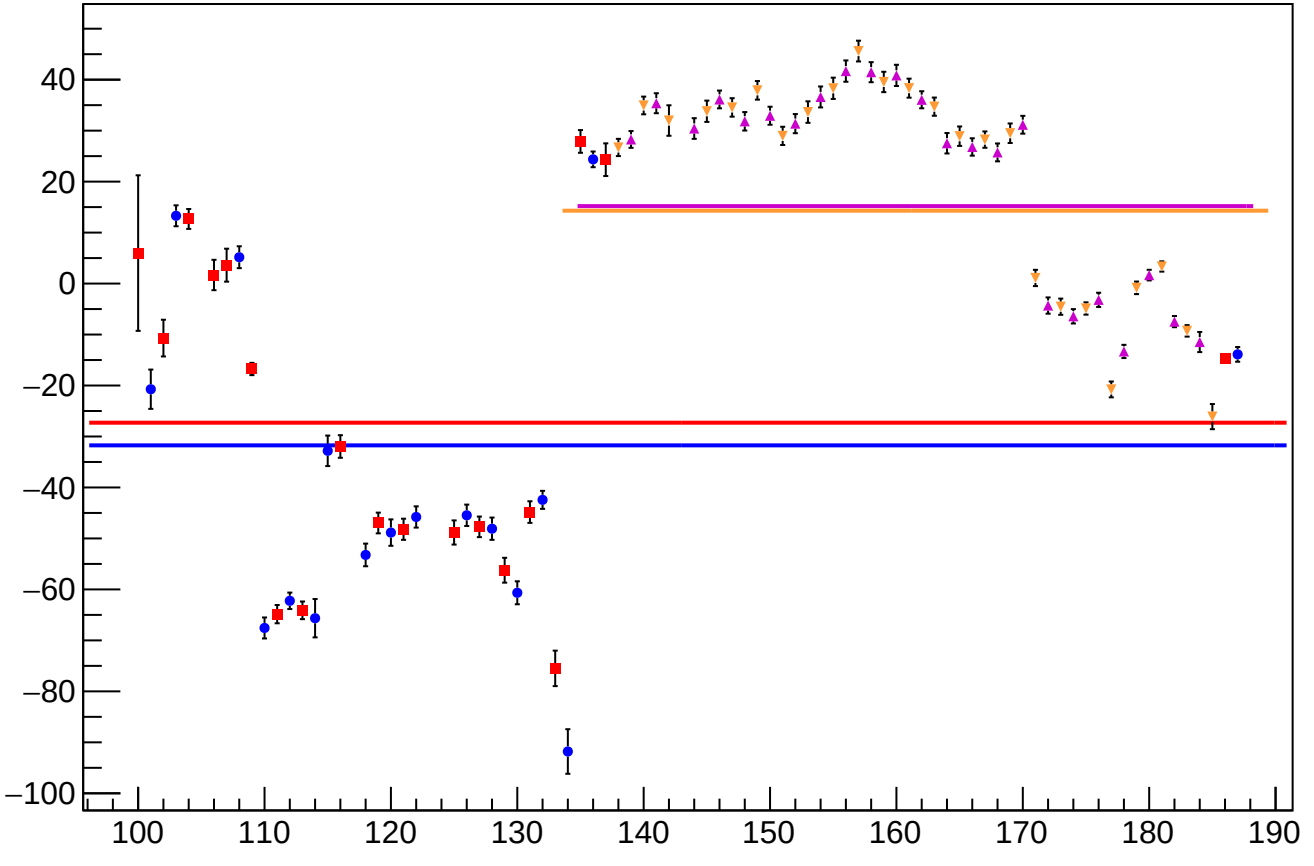
Right: 8.425+/-0.044 χ^2/NDF: 324844.8/35

In: -5.552+/-0.019 χ^2/NDF:731150.2/39

Out: -5.272+/-0.019 χ^2/NDF:687687.1/42

All: -5.411+/-0.014 χ^2/NDF: 1418942.9/82

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -31.741+/-0.512 χ^2/NDF: 3675.5/16

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -27.294+/-0.451 χ^2/NDF: 3439.7/18

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

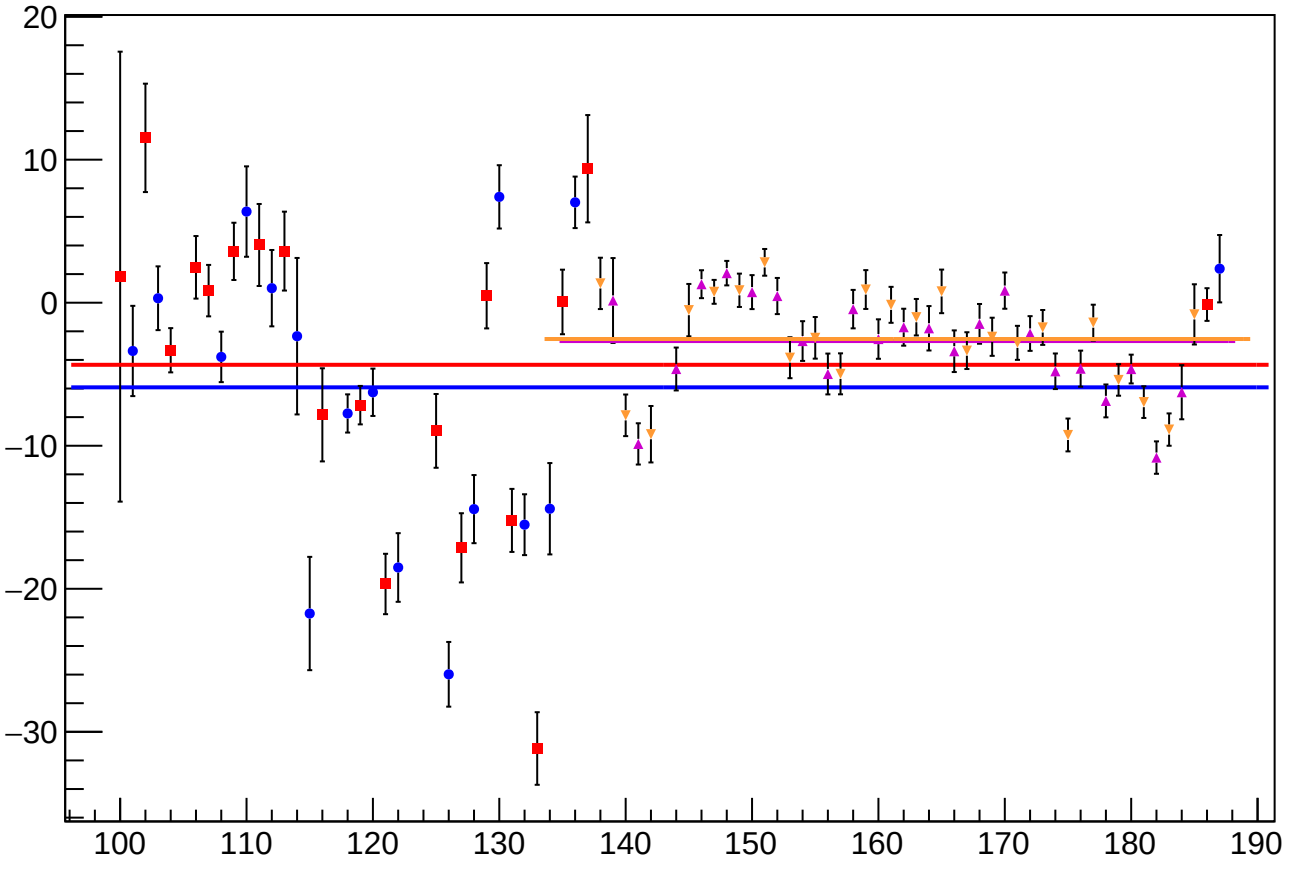
Right: -29.234+/-0.338 χ^2/NDF: 7157.8/35

In: 0.869+/-0.283 χ^2/NDF:12918.4/39

Out: -0.521+/-0.269 χ^2/NDF:12649.9/42

All: 0.139+/-0.195 χ^2/NDF: 25580.9/82

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.917+/-0.539 χ^2/NDF: 296.7/16

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -4.341+/-0.483 χ^2/NDF: 329.5/18

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

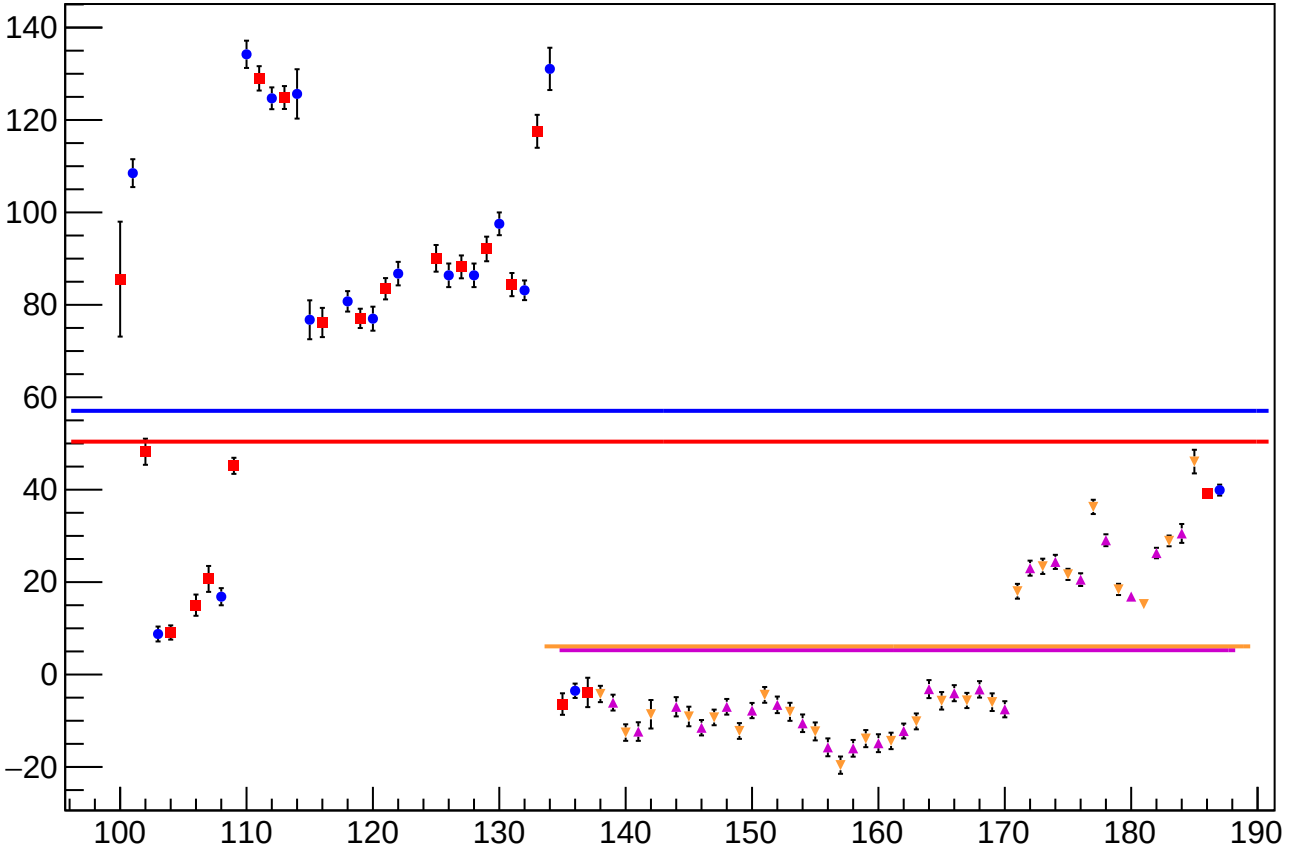
Right: -5.042+/-0.360 χ^2/NDF: 630.9/35

In: -3.310+/-0.238 χ^2/NDF:507.8/39

Out: -2.941+/-0.228 χ^2/NDF:538.7/42

All: -3.118+/-0.165 χ^2/NDF: 1047.7/82

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.063+/-0.531 χ^2/NDF: 6329.0/16

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 50.397+/-0.457 χ^2/NDF: 5633.1/18

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

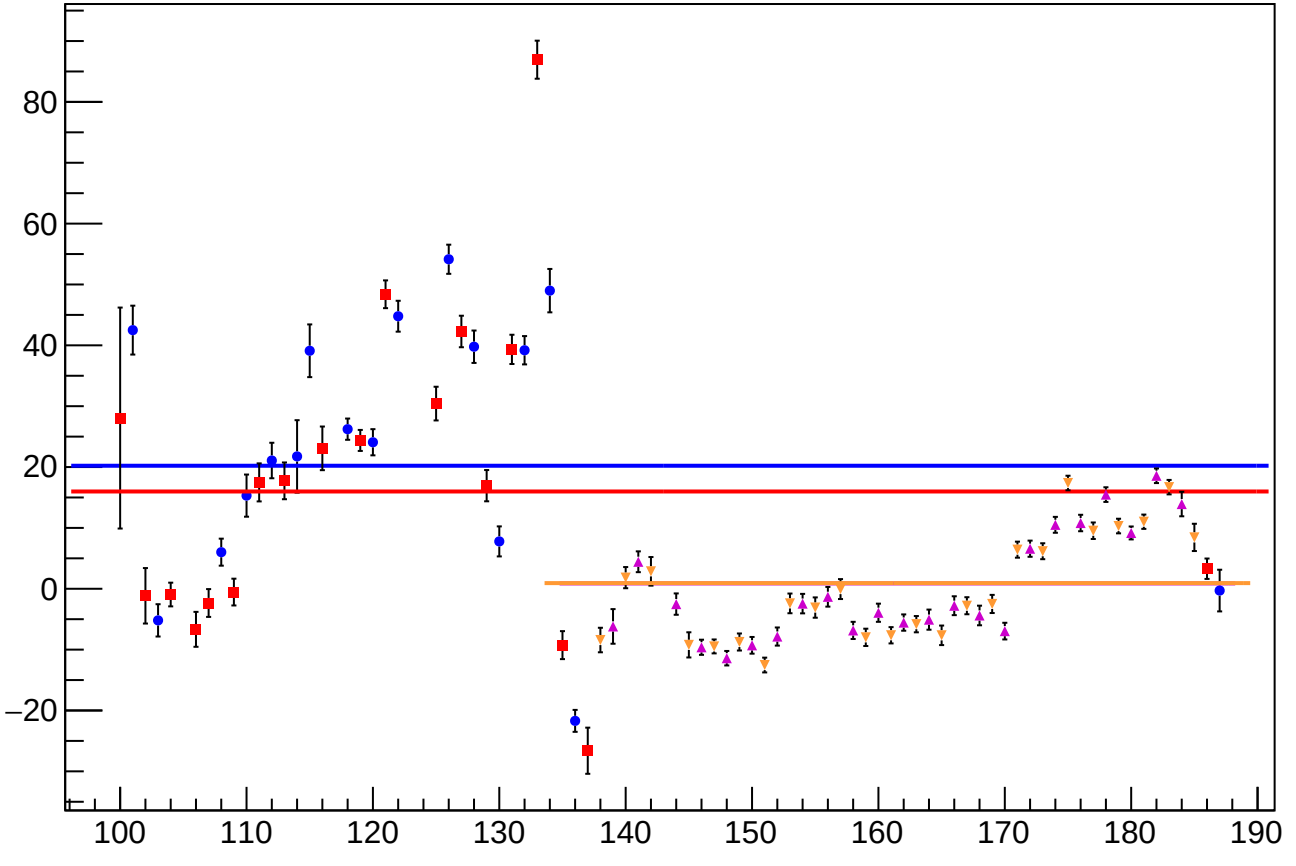
Right: 53.230+/-0.346 χ^2/NDF: 12052.6/35

In: 20.102+/-0.284 χ^2/NDF:15563.5/39

Out: 21.464+/-0.269 χ^2/NDF:14552.2/42

All: 20.820+/-0.195 χ^2/NDF: 30127.8/82

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.214+/-0.629 χ^2/NDF: 1282.5/16

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 15.985+/-0.580 χ^2/NDF: 1547.1/18

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

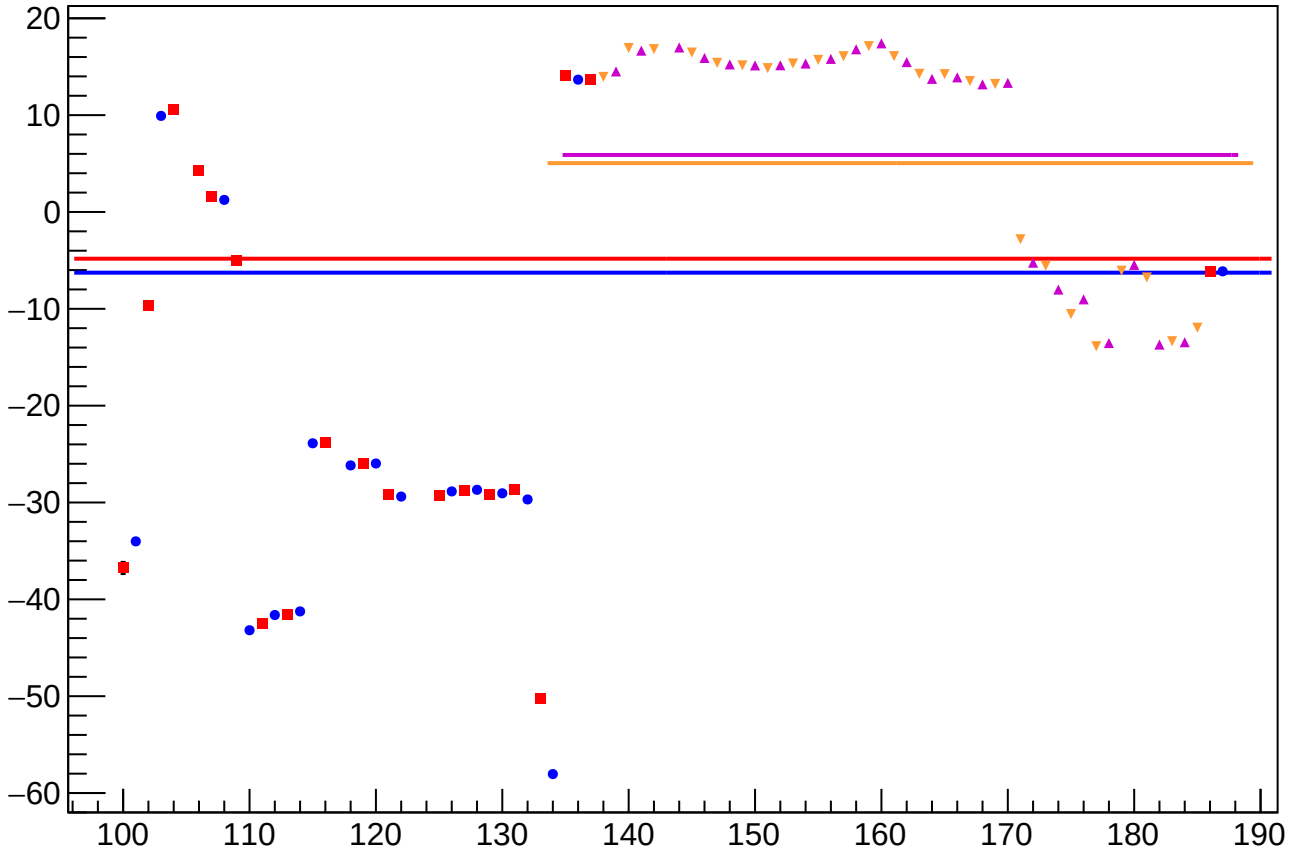
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 17.927+/-0.426 χ^2/NDF: 2854.0/35

In: 4.406+/-0.269 χ^2/NDF:3060.6/39

Out: 3.970+/-0.261 χ^2/NDF:3126.5/42

All: 4.181+/-0.187 χ^2/NDF: 6188.5/82



Right In: -6.267+/-0.033 χ^2/NDF: 410461.5/16

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -4.825+/-0.032 χ^2/NDF: 306797.0/18

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

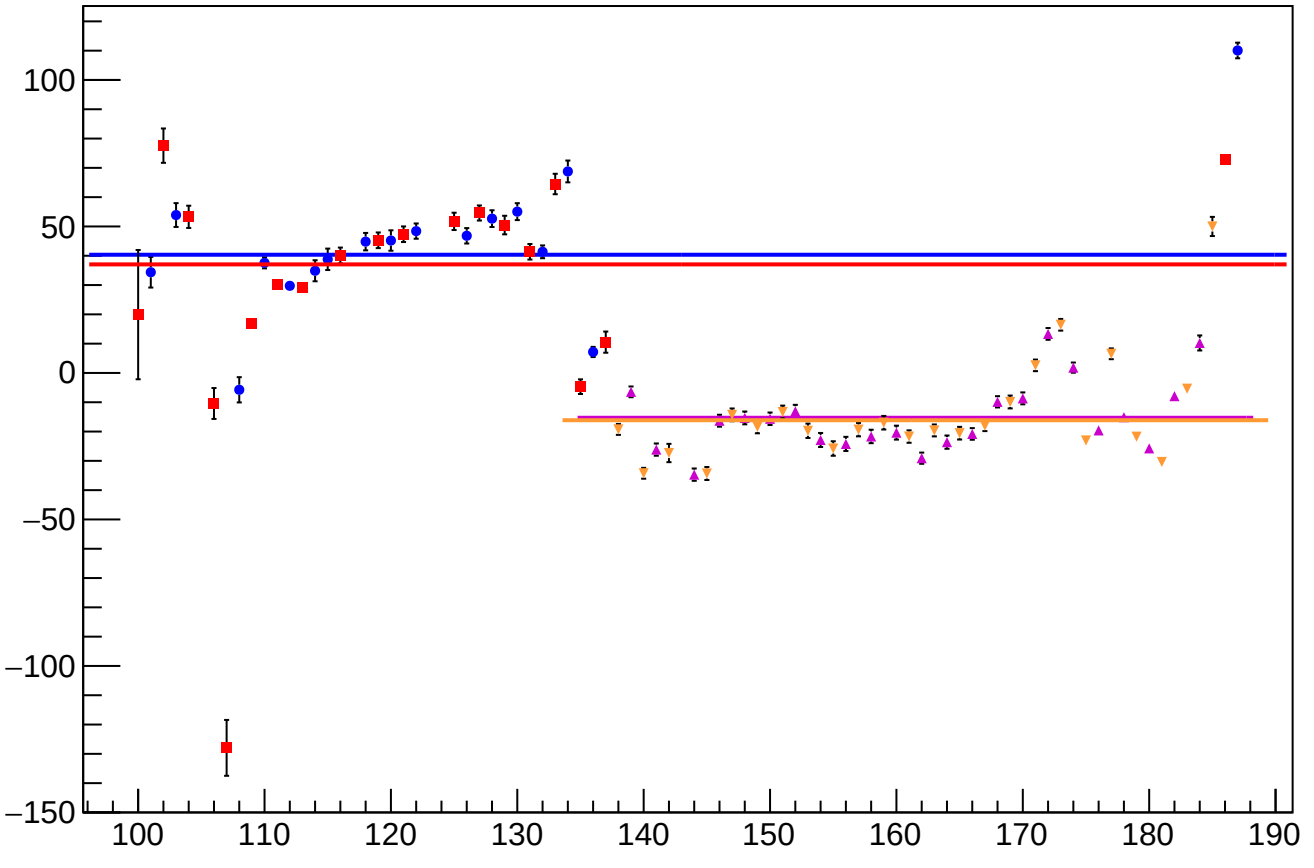
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -5.536+/-0.023 χ^2/NDF: 718232.1/35

In: 4.213+/-0.012 χ^2/NDF:1374449.3/39

Out: 3.665+/-0.012 χ^2/NDF:1241998.4/42

All: 3.937+/-0.009 χ^2/NDF: 2617462.7/82



Right In: 40.346+/-0.637 χ^2/NDF: 1348.4/16

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 37.054+/-0.592 χ^2/NDF: 1617.5/18

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

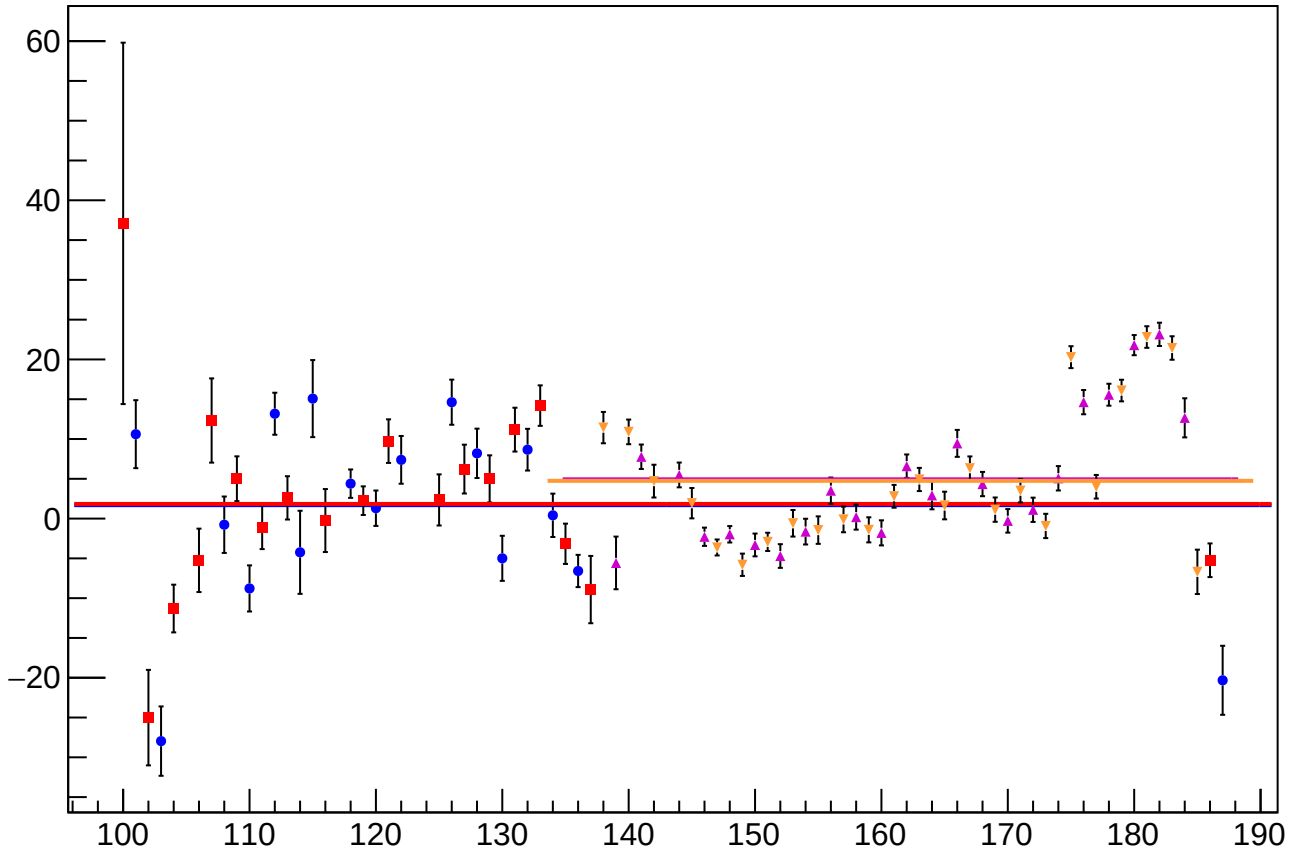
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 38.577+/-0.434 χ^2/NDF: 2980.2/35

In: 0.608+/-0.341 χ^2/NDF:7551.9/39

Out: 0.438+/-0.330 χ^2/NDF:8548.6/42

All: 0.520+/-0.237 χ^2/NDF: 16100.7/82



Right In: 1.689+/-0.692 χ^2/NDF: 178.4/16

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: 1.842+/-0.678 χ^2/NDF: 119.7/18

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

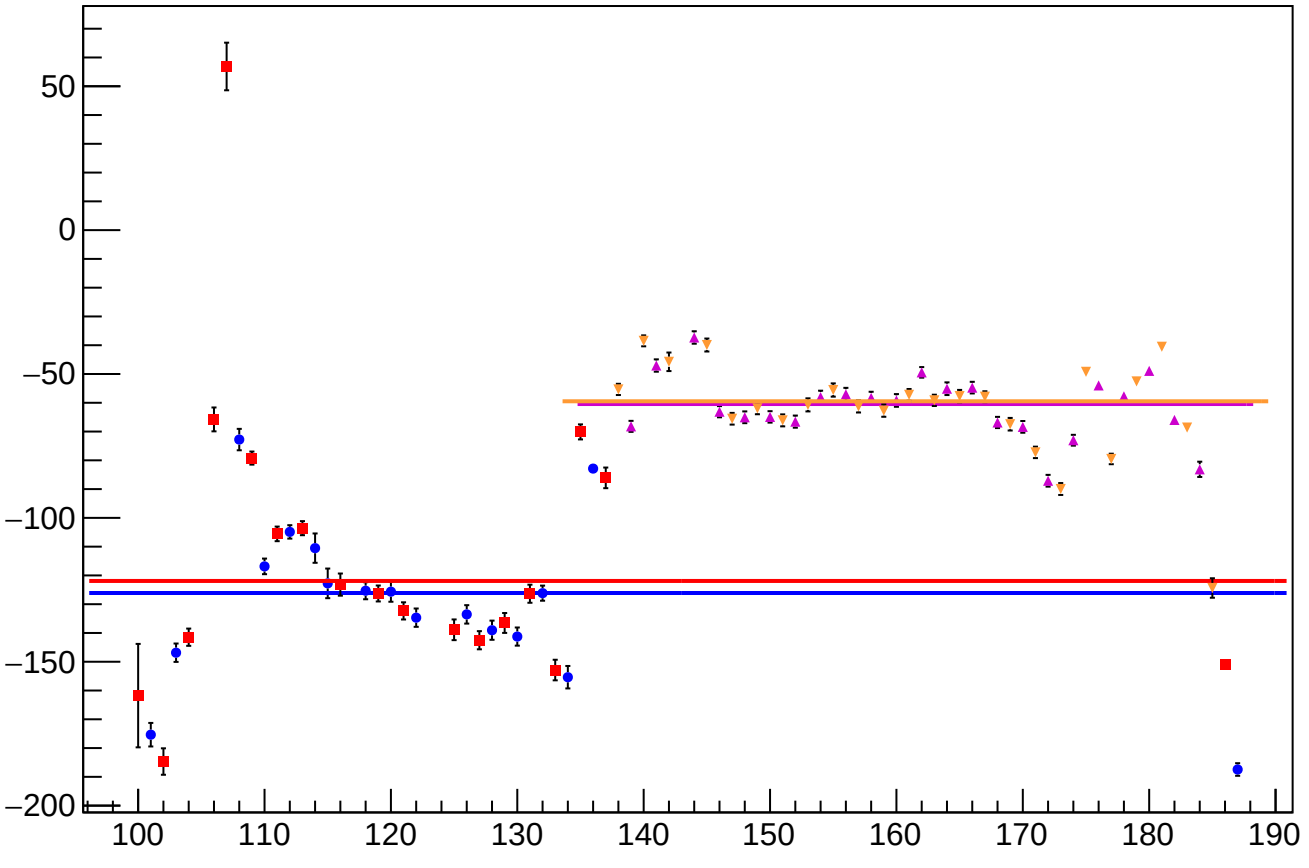
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: 1.767+/-0.484 χ^2/NDF: 298.2/35

In: 4.384+/-0.285 χ^2/NDF:885.0/39

Out: 4.252+/-0.279 χ^2/NDF:928.7/42

All: 4.317+/-0.200 χ^2/NDF: 1813.9/82



Right In: -126.108+/-0.715 χ^2/NDF: 1998.2/16

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -121.923+/-0.665 χ^2/NDF: 2457.4/18

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

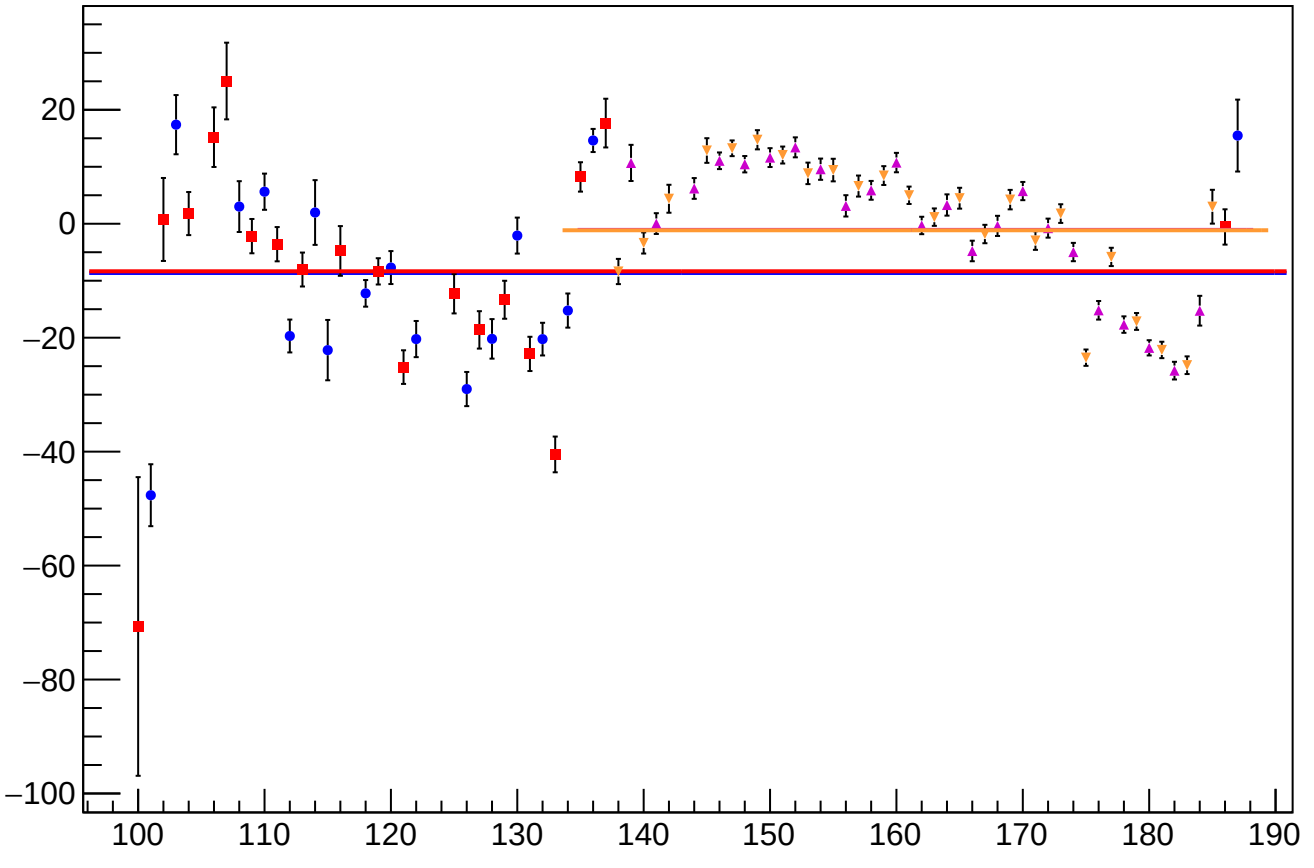
Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

Right: -123.863+/-0.487 χ^2/NDF: 4474.0/35

In: -76.050+/-0.349 χ^2/NDF:9091.5/39

Out: -75.765+/-0.340 χ^2/NDF:10349.3/42

All: -75.903+/-0.243 χ^2/NDF: 19441.1/82



Right In: -8.638+/-0.789 χ^2/NDF: 372.8/16

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -8.346+/-0.784 χ^2/NDF: 325.5/18

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

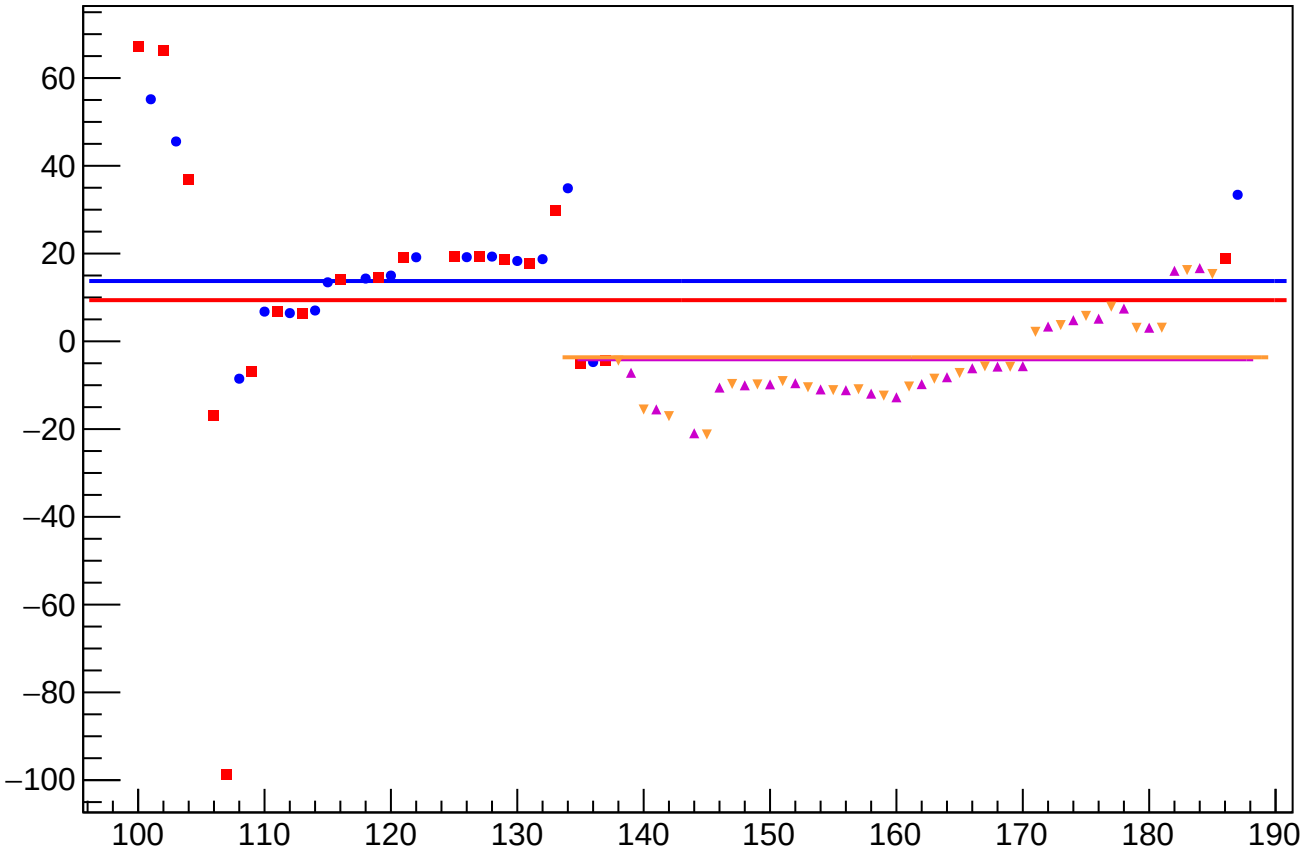
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -8.491+/-0.556 χ^2/NDF: 698.4/35

In: -2.334+/-0.321 χ^2/NDF:1606.7/39

Out: -2.316+/-0.316 χ^2/NDF:1699.1/42

All: -2.325+/-0.225 χ^2/NDF: 3305.8/82



Right In: 13.740+/-0.045 χ^2/NDF: 186901.1/16

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 9.381+/-0.046 χ^2/NDF: 293046.2/18

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

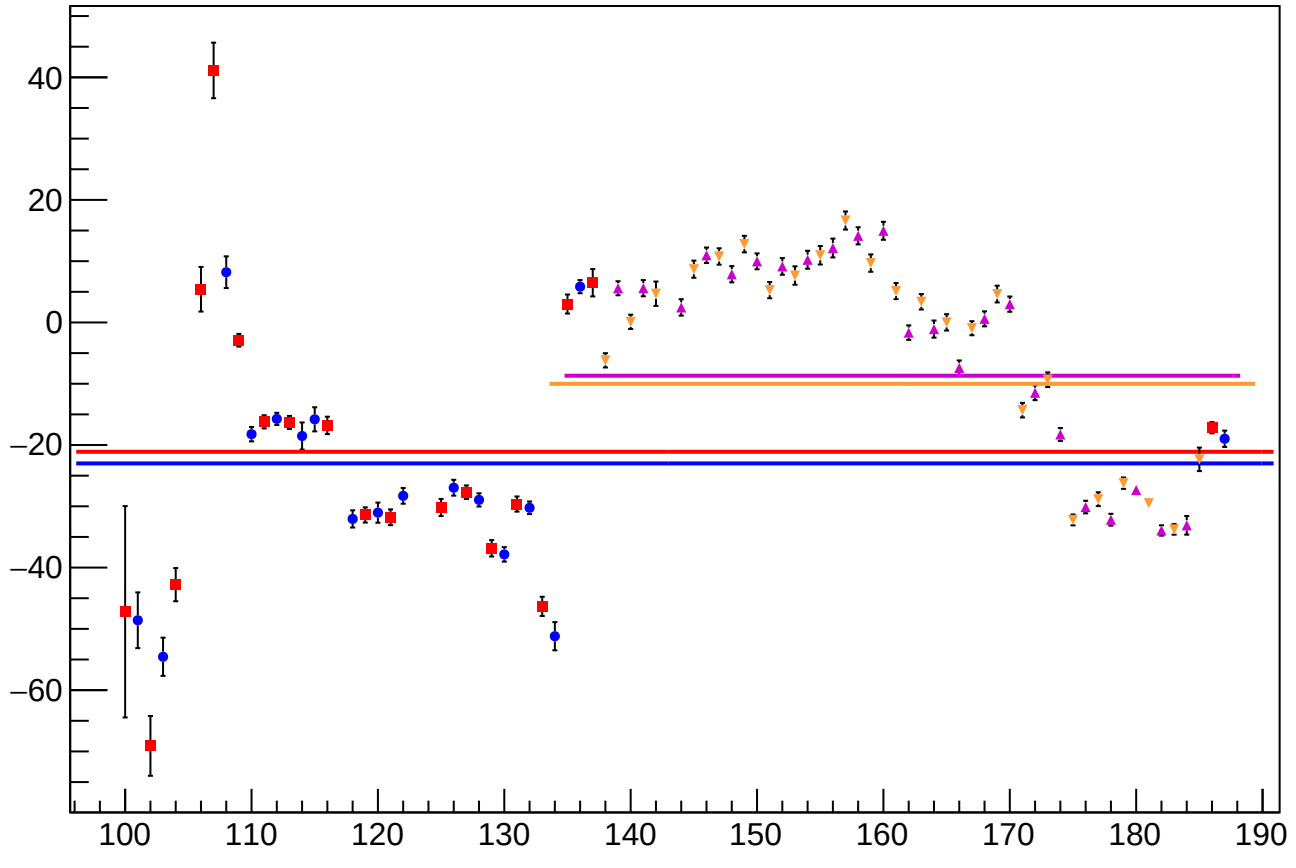
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 11.628+/-0.032 χ^2/NDF: 484510.4/35

In: -2.186+/-0.015 χ^2/NDF:660990.8/39

Out: -2.336+/-0.015 χ^2/NDF:709967.8/42

All: -2.261+/-0.010 χ^2/NDF: 1371010.5/82



Right In: -23.003+/-0.339 χ^2/NDF: 1577.6/16

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -21.101+/-0.325 χ^2/NDF: 1834.4/18

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

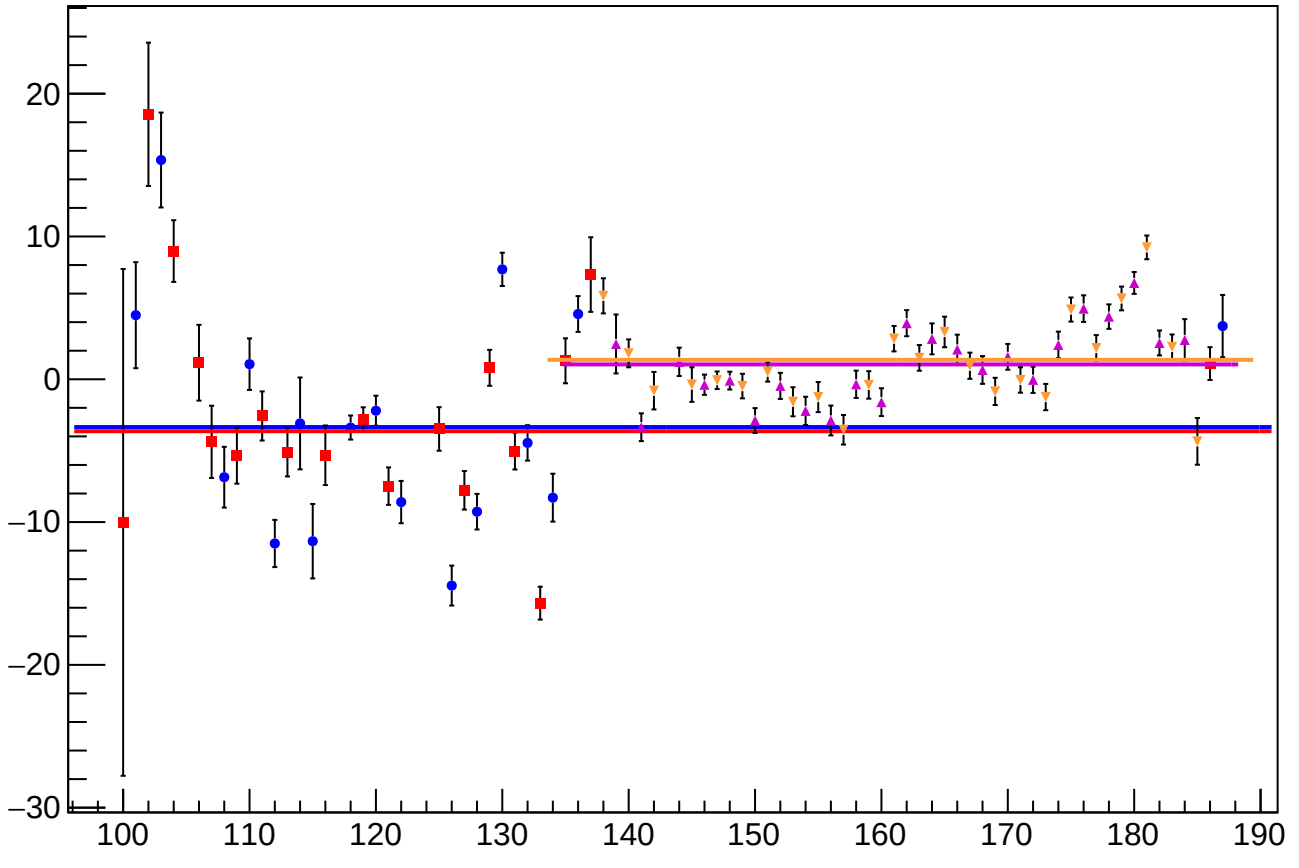
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.012+/-0.235 χ^2/NDF: 3428.4/35

In: -13.673+/-0.200 χ^2/NDF:7762.3/39

Out: -14.017+/-0.195 χ^2/NDF:7555.6/42

All: -13.849+/-0.140 χ^2/NDF: 15319.4/82



Right In: -3.346+/-0.358 χ^2/NDF: 327.6/16

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -3.639+/-0.353 χ^2/NDF: 246.2/18

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

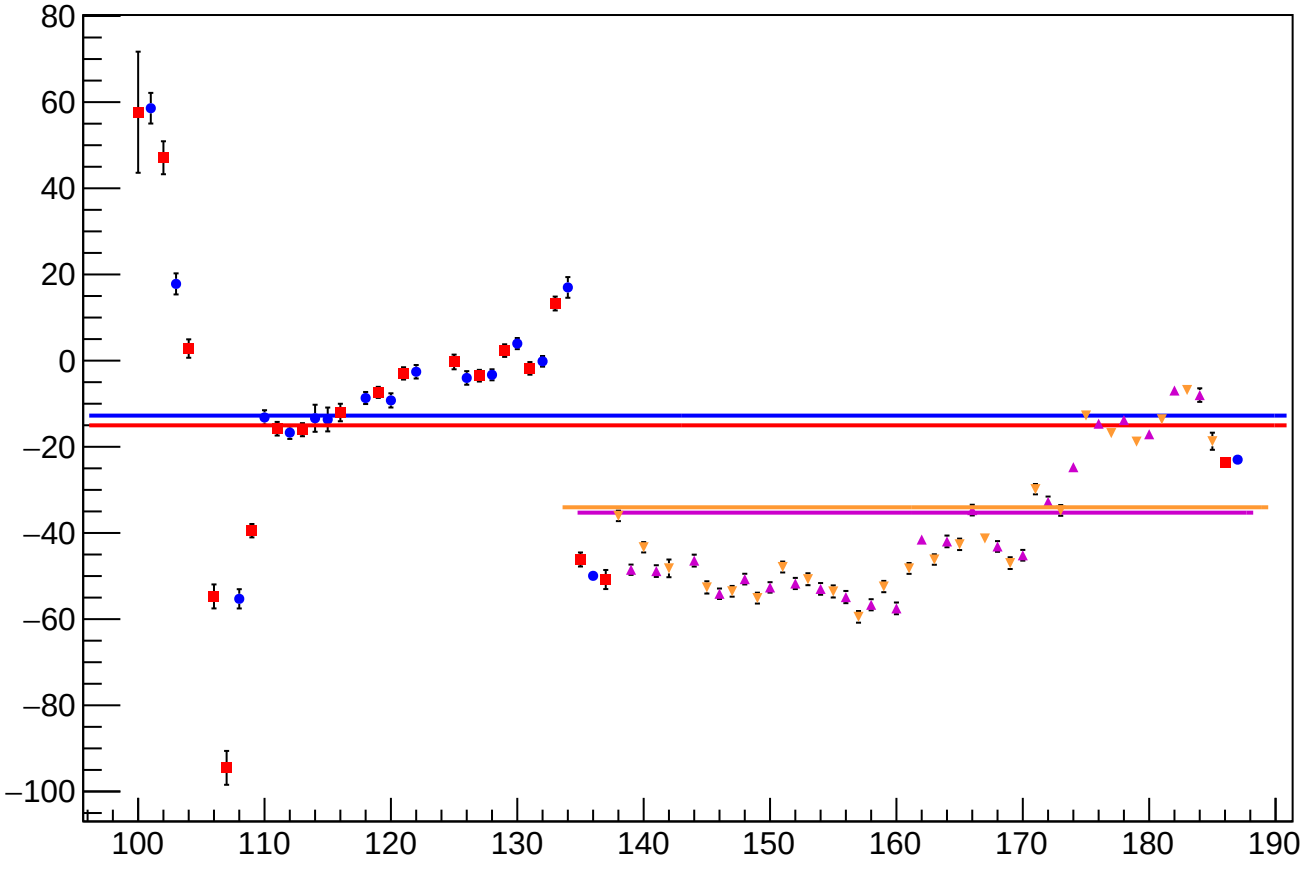
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -3.494+/-0.251 χ^2/NDF: 574.1/35

In: 0.057+/-0.169 χ^2/NDF:640.3/39

Out: 0.252+/-0.166 χ^2/NDF:642.9/42

All: 0.156+/-0.119 χ^2/NDF: 1283.8/82



Right In: -12.759+/-0.380 χ^2/NDF: 2760.8/16

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -15.020+/-0.360 χ^2/NDF: 2774.6/18

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

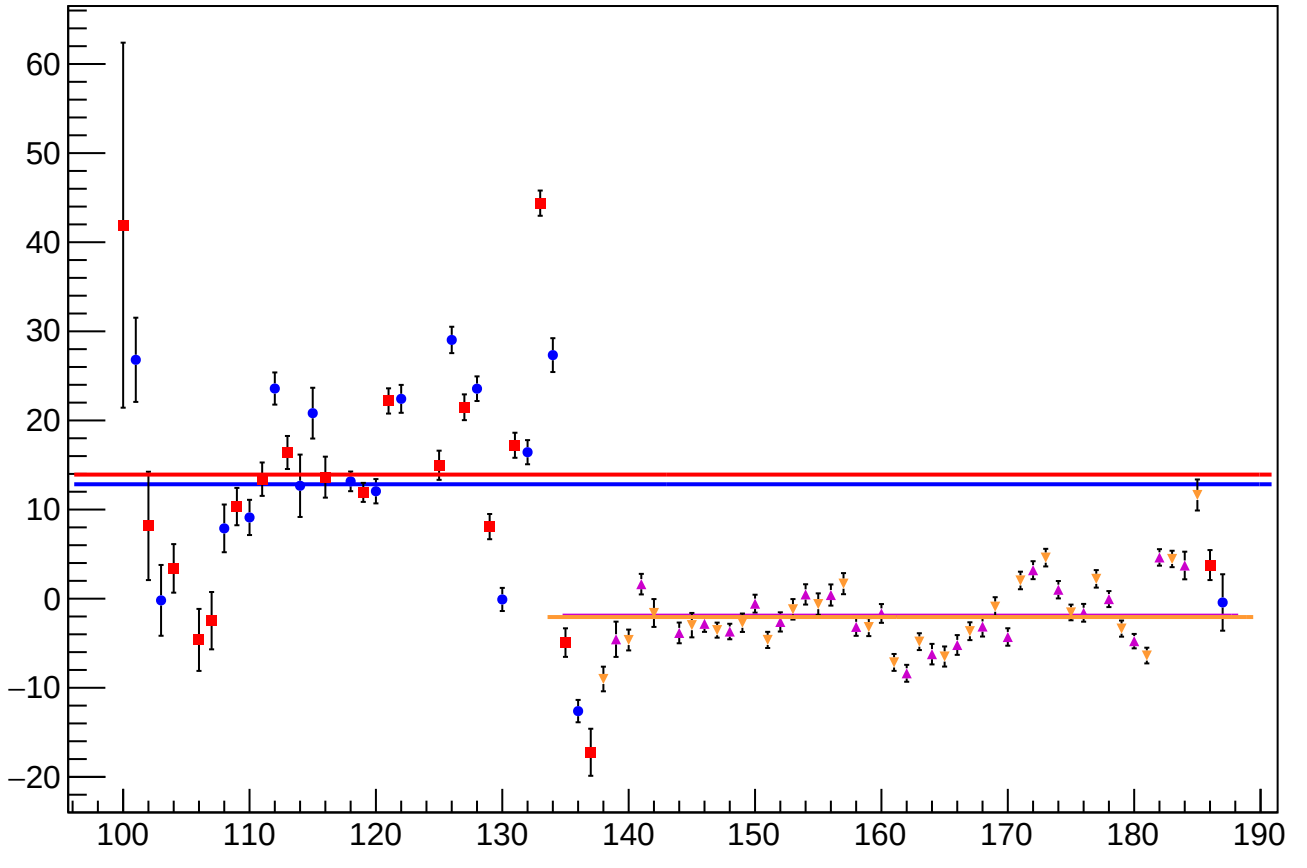
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -13.950+/-0.262 χ^2/NDF: 5554.0/35

In: -28.664+/-0.206 χ^2/NDF:10234.8/39

Out: -28.111+/-0.201 χ^2/NDF:9655.9/42

All: -28.381+/-0.144 χ^2/NDF: 19894.4/82



Right In: 12.839+/-0.411 χ^2/NDF: 881.2/16

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 13.924+/-0.410 χ^2/NDF: 941.8/18

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

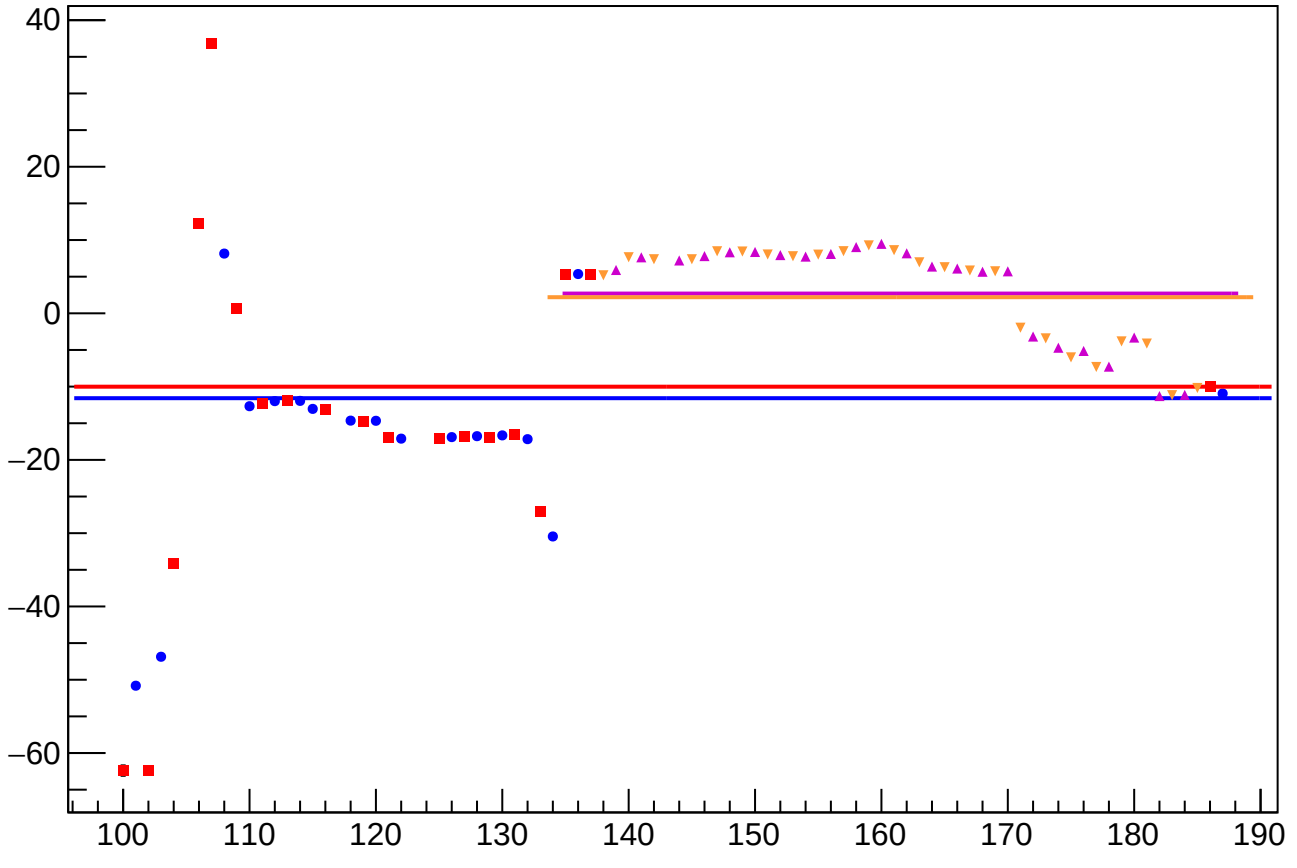
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 13.383+/-0.290 χ^2/NDF: 1826.5/35

In: 1.288+/-0.191 χ^2/NDF:2110.5/39

Out: 1.319+/-0.188 χ^2/NDF:2474.0/42

All: 1.304+/-0.134 χ^2/NDF: 4584.5/82



Right In: -11.581+/-0.026 χ^2/NDF: 360537.0/16

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -10.011+/-0.027 χ^2/NDF: 396286.9/18

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

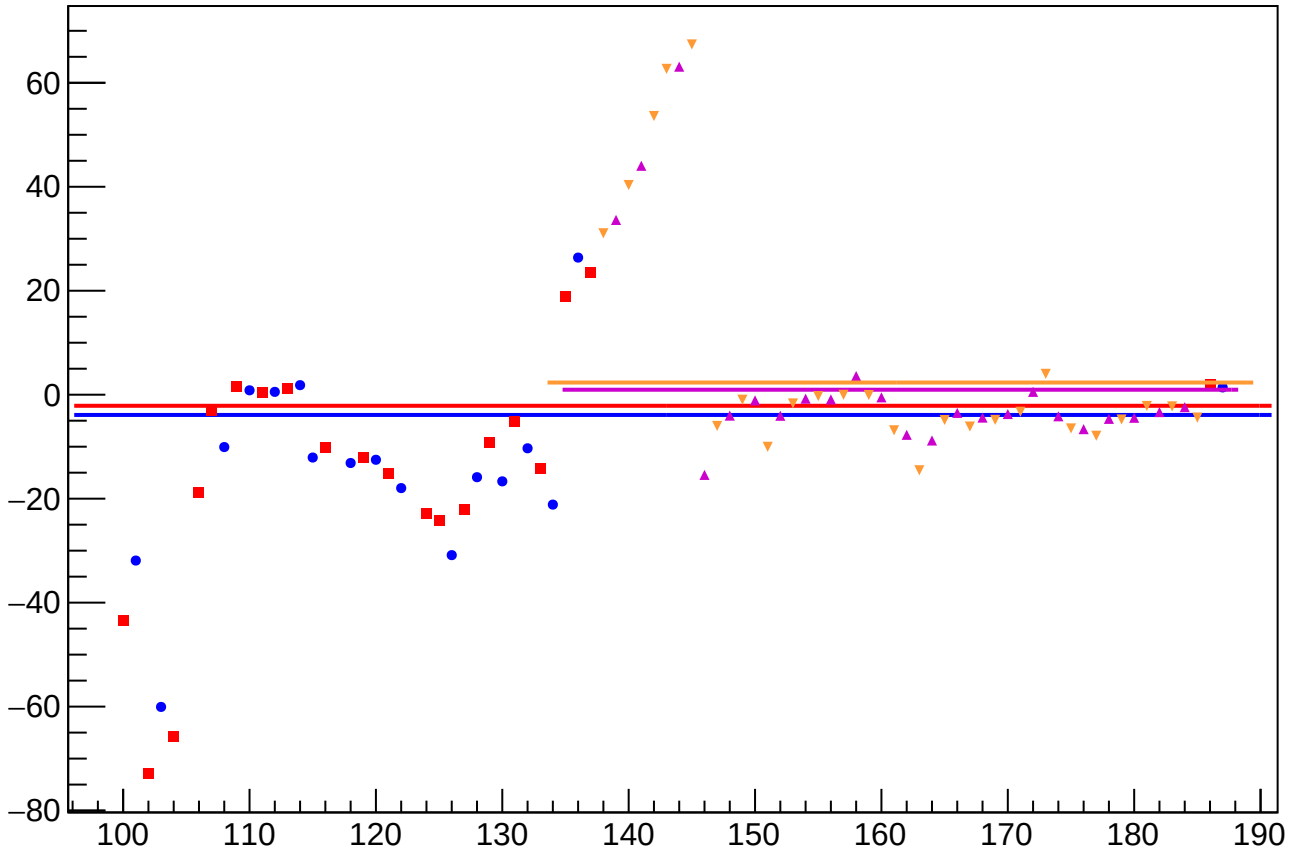
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -10.818+/-0.019 χ^2/NDF: 758594.8/35

In: 0.998+/-0.009 χ^2/NDF:1124741.7/39

Out: 0.831+/-0.009 χ^2/NDF:1089982.0/42

All: 0.914+/-0.006 χ^2/NDF: 2214897.8/82



Right In: -3.894+/-0.053 χ^2/NDF: 75728.2/16

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -2.131+/-0.045 χ^2/NDF: 81257.9/19

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

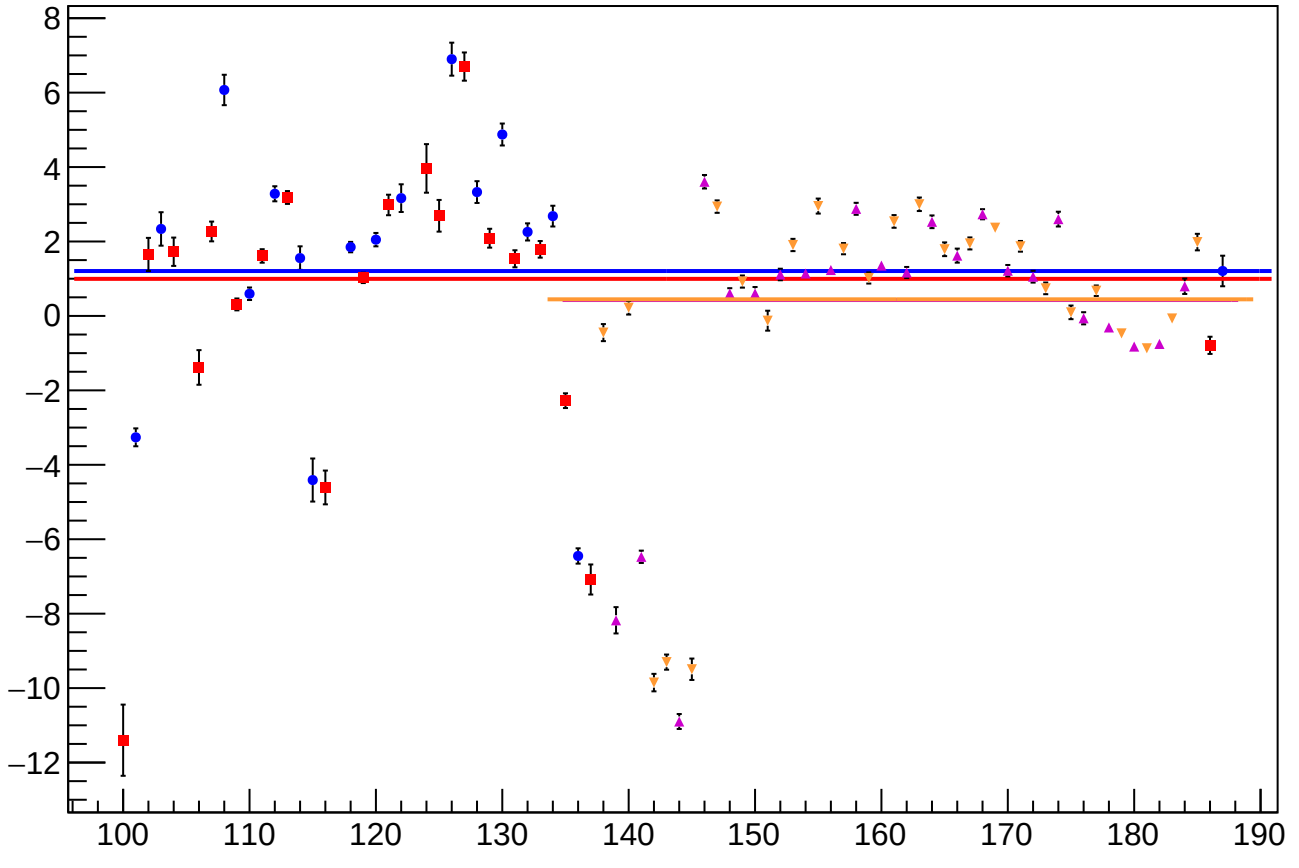
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: -2.858+/-0.034 χ^2/NDF: 157625.5/36

In: -0.781+/-0.032 χ^2/NDF:213537.5/39

Out: 0.342+/-0.030 χ^2/NDF:263760.3/44

All: -0.183+/-0.022 χ^2/NDF: 477954.9/84



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/16

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.996+/-0.056 χ^2/NDF: 1650.7/19

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

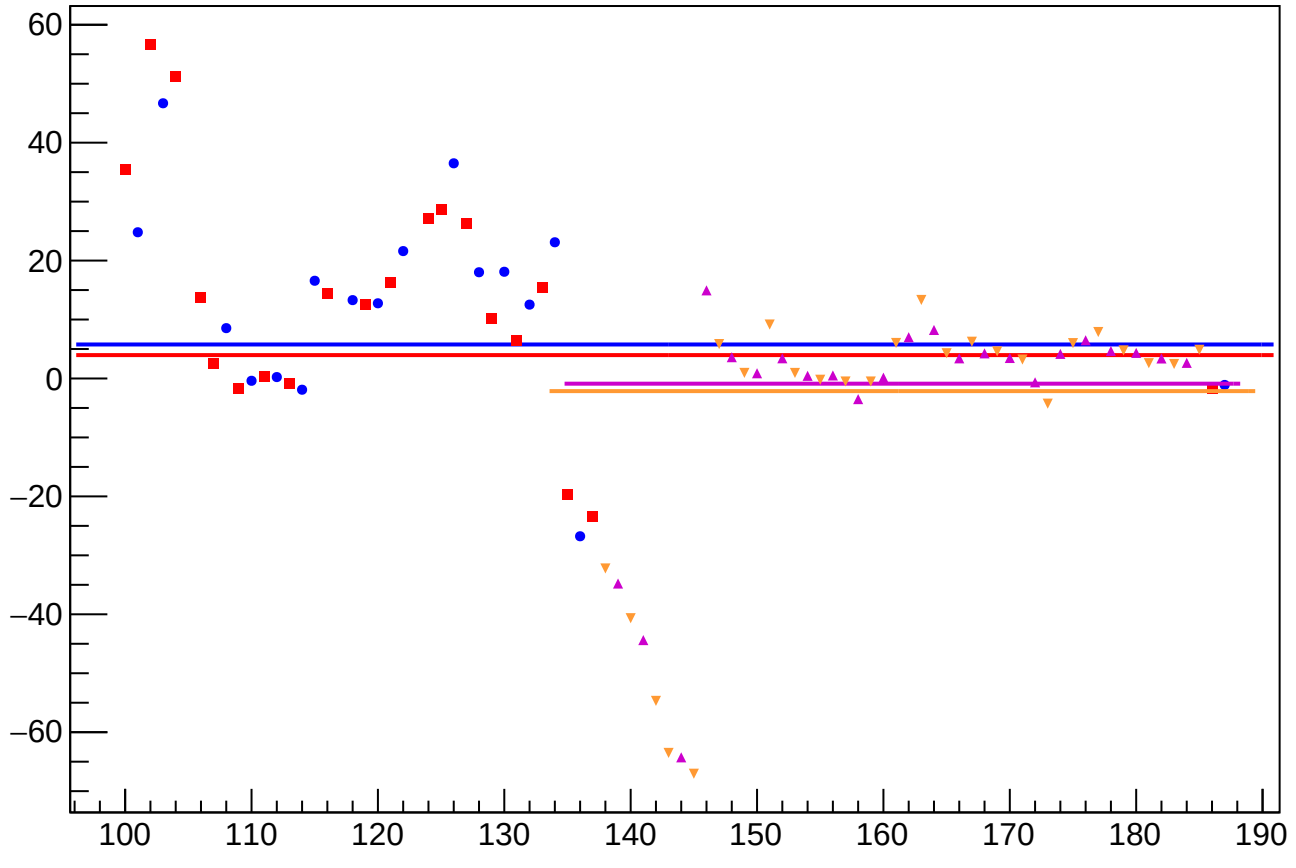
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 1.093+/-0.041 χ^2/NDF: 4241.8/36

In: 0.596+/-0.028 χ^2/NDF:9819.7/39

Out: 0.589+/-0.028 χ^2/NDF:8767.7/44

All: 0.592+/-0.020 χ^2/NDF: 18587.5/84



Right In: 5.768+/-0.062 χ^2/NDF: 71886.0/16

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 3.966+/-0.055 χ^2/NDF: 76913.9/19

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

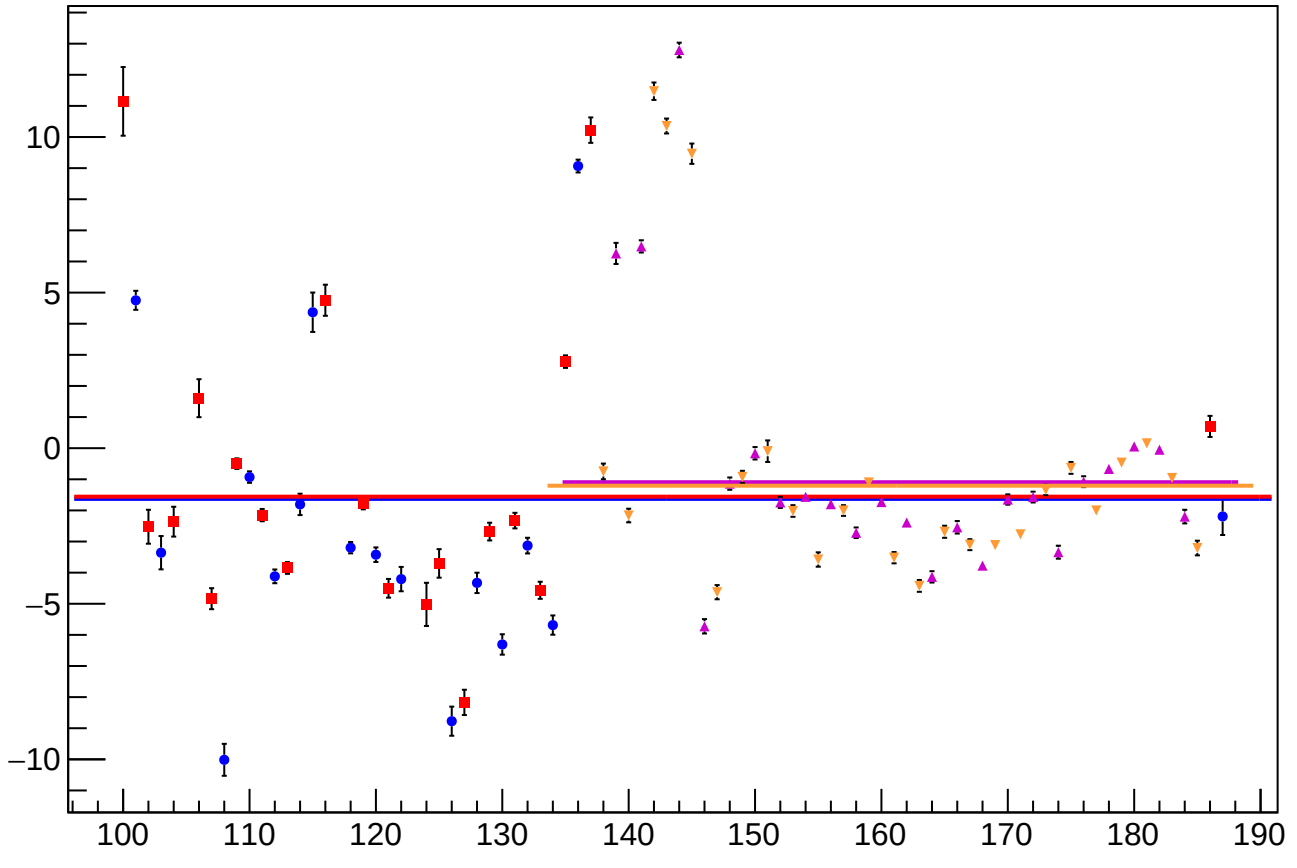
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: 4.757+/-0.041 χ^2/NDF: 149271.3/36

In: 1.020+/-0.033 χ^2/NDF:209249.4/39

Out: -0.010+/-0.032 χ^2/NDF:256226.3/44

All: 0.493+/-0.023 χ^2/NDF: 465966.9/84



Right In: -1.629+/-0.069 χ^2/NDF: 4526.2/16

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -1.558+/-0.063 χ^2/NDF: 2508.2/19

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

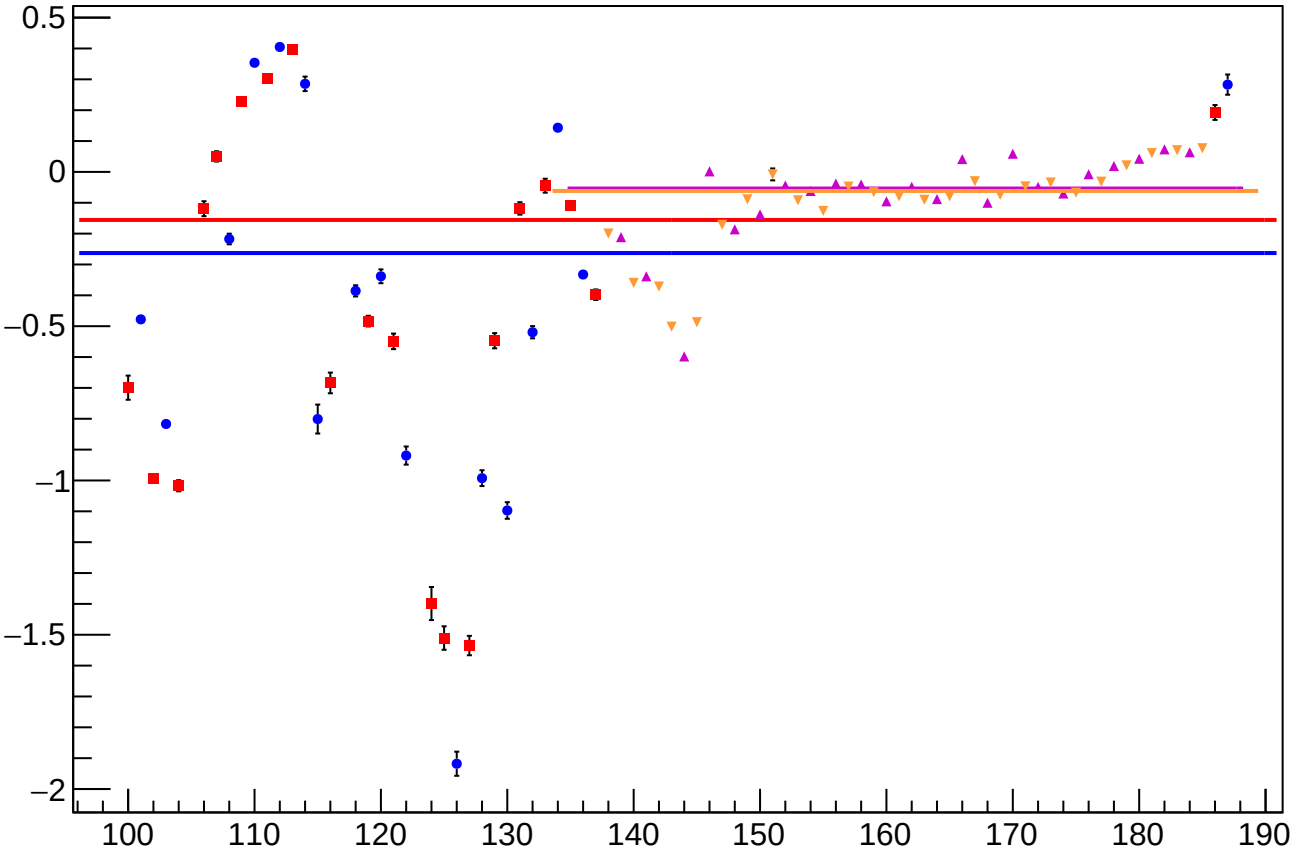
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -1.591+/-0.047 χ^2/NDF: 7034.9/36

In: -1.202+/-0.031 χ^2/NDF:11603.2/39

Out: -1.293+/-0.032 χ^2/NDF:9534.5/44

All: -1.247+/-0.022 χ^2/NDF: 21141.9/84



Right In: -0.263+/-0.004 χ^2/NDF: 12330.0/16

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: -0.156+/-0.004 χ^2/NDF: 15711.1/19

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

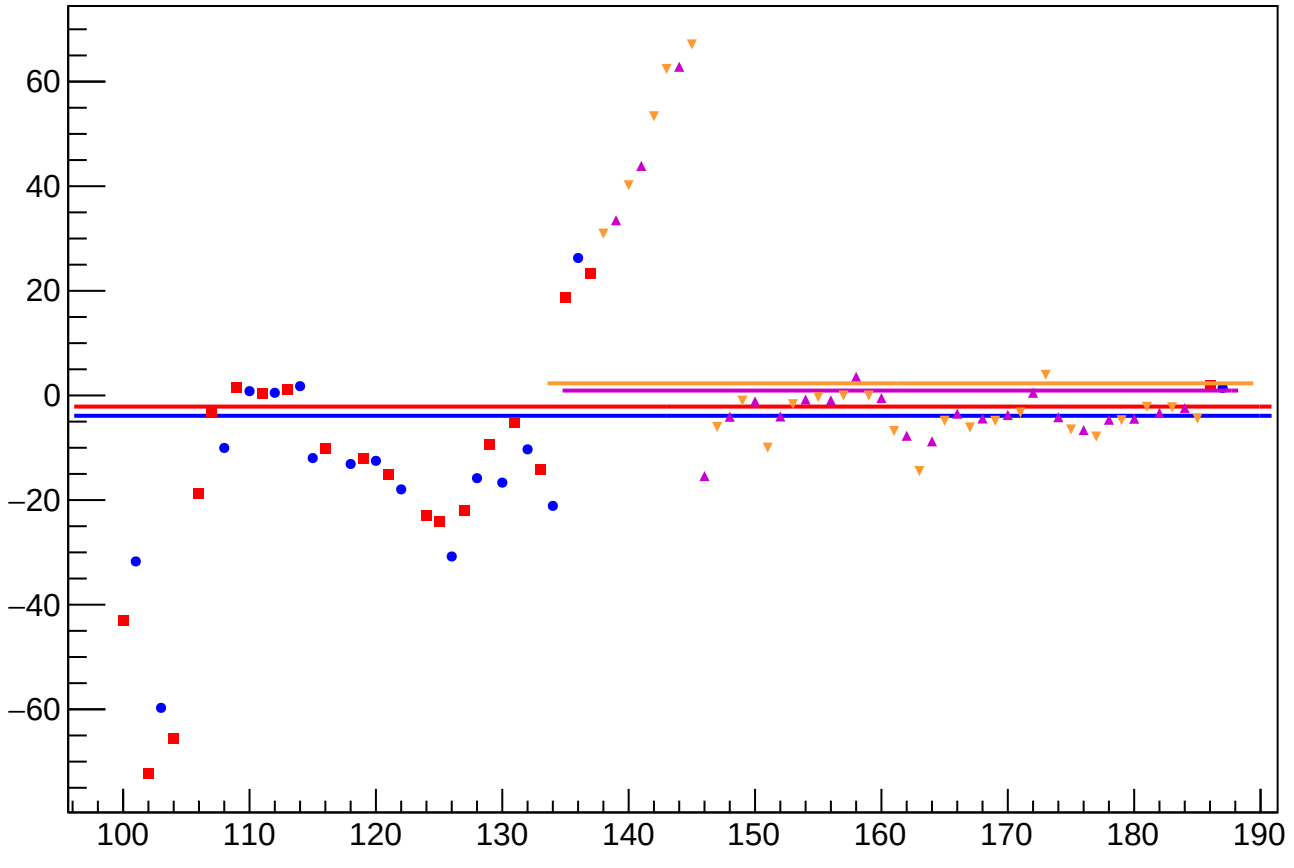
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: -0.204+/-0.003 χ^2/NDF: 28411.6/36

In: -0.078+/-0.001 χ^2/NDF:19634.6/39

Out: -0.076+/-0.001 χ^2/NDF:21955.7/44

All: -0.077+/-0.001 χ^2/NDF: 41591.5/84



Right In: -3.888+/-0.053 χ^2/NDF: 75711.8/16

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -2.126+/-0.044 χ^2/NDF: 81190.7/19

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

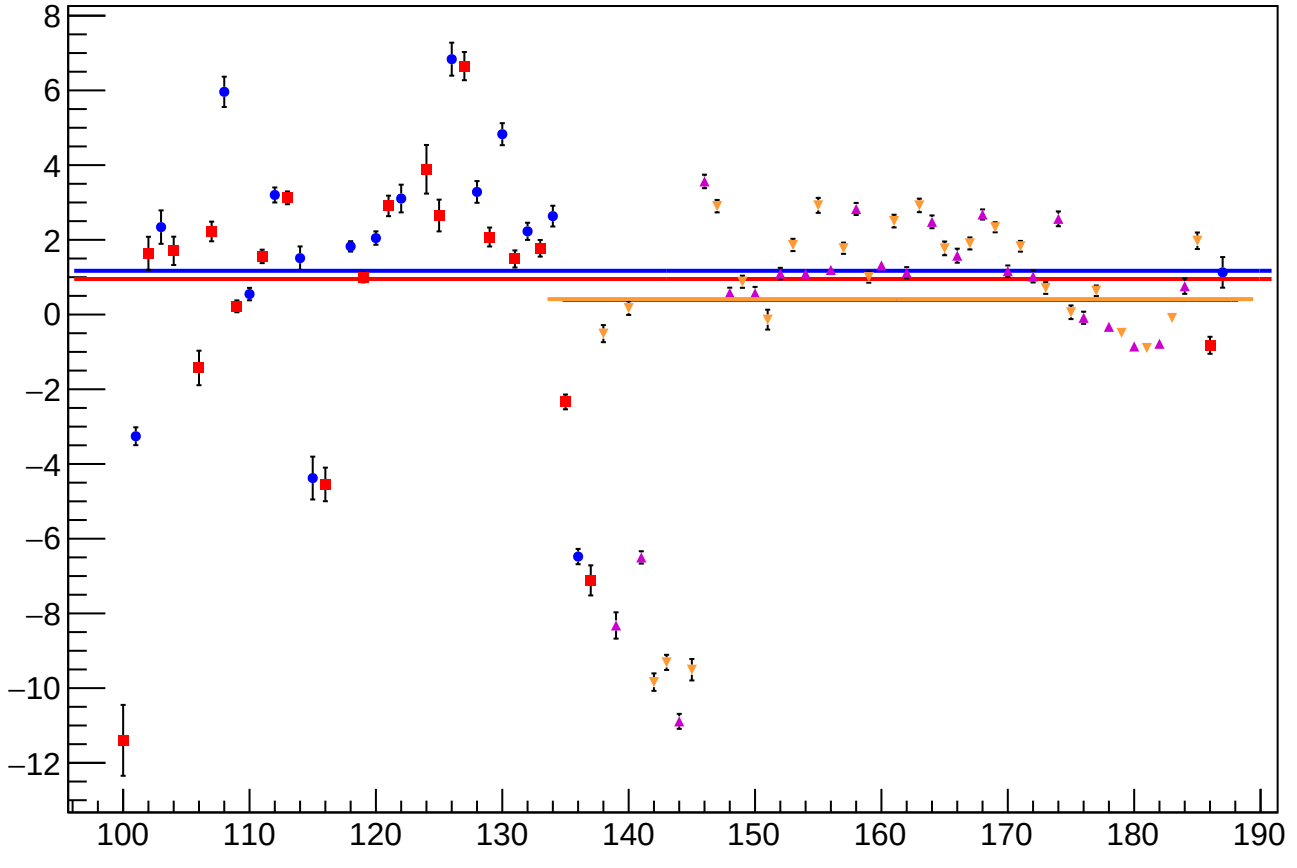
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: -2.853+/-0.034 χ^2/NDF: 157549.6/36

In: -0.801+/-0.032 χ^2/NDF:213398.0/39

Out: 0.323+/-0.030 χ^2/NDF:263440.8/44

All: -0.201+/-0.022 χ^2/NDF: 477502.7/84



Right In: 1.171+/-0.059 χ^2/NDF: 2584.5/16

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.952+/-0.055 χ^2/NDF: 1661.1/19

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

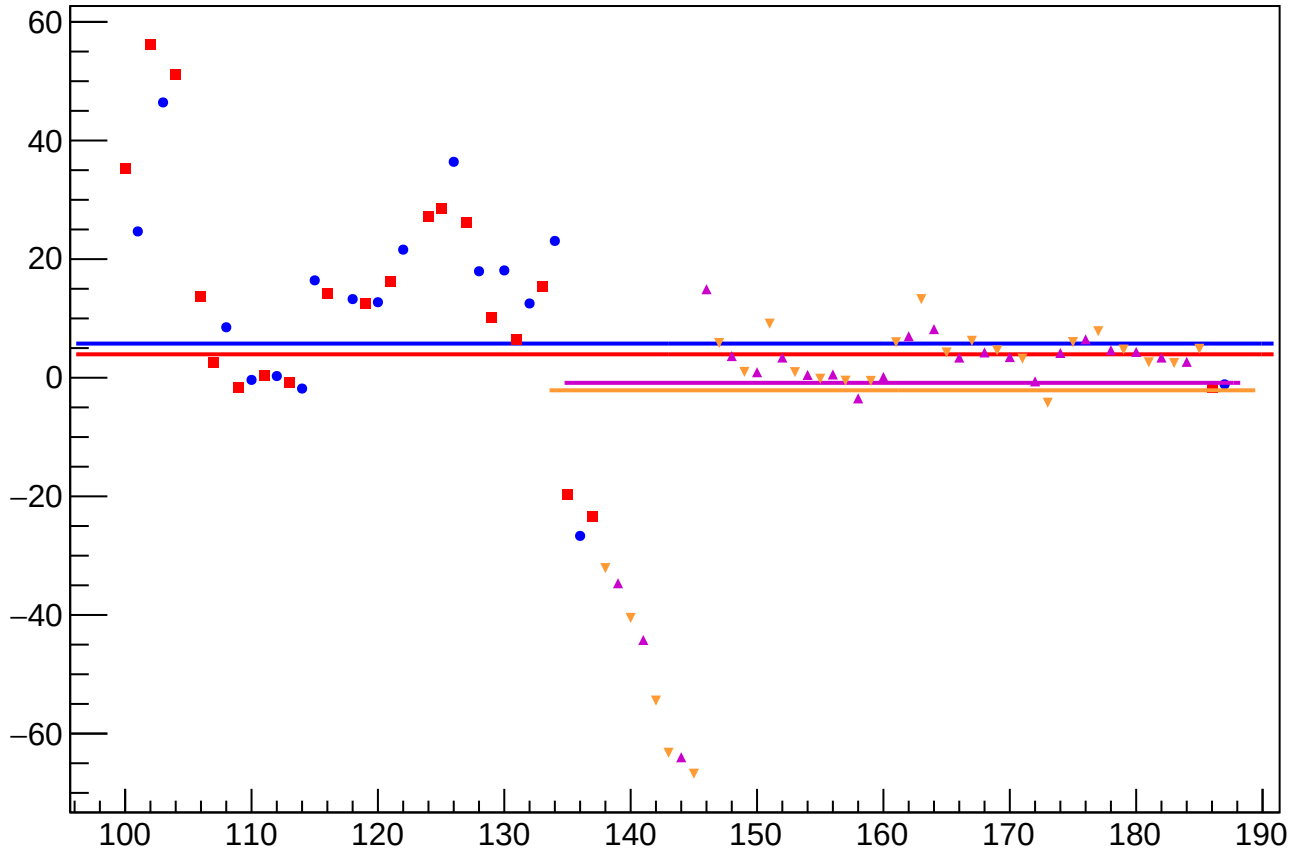
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 1.054+/-0.040 χ^2/NDF: 4252.9/36

In: 0.559+/-0.028 χ^2/NDF:9834.1/39

Out: 0.554+/-0.028 χ^2/NDF:8778.5/44

All: 0.556+/-0.020 χ^2/NDF: 18612.7/84



Right In: 5.759+/-0.062 χ^2/NDF: 71856.5/16

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 3.950+/-0.055 χ^2/NDF: 76845.5/19

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

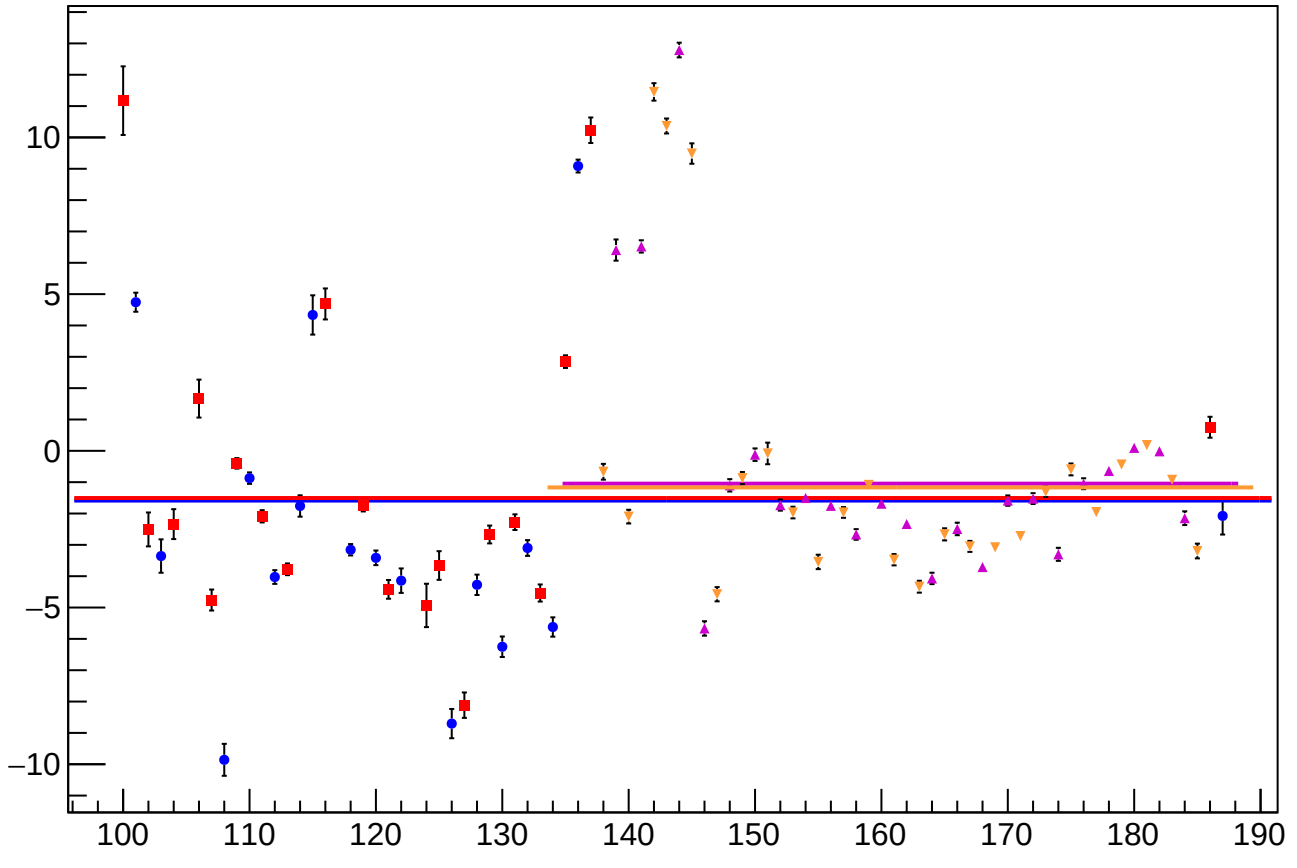
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 4.742+/-0.041 χ^2/NDF: 149183.0/36

In: 1.041+/-0.033 χ^2/NDF:209103.7/39

Out: 0.009+/-0.032 χ^2/NDF:255909.0/44

All: 0.512+/-0.023 χ^2/NDF: 465509.4/84



Right In: -1.586+/-0.069 χ^2/NDF: 4524.9/16

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.506+/-0.063 χ^2/NDF: 2519.6/19

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

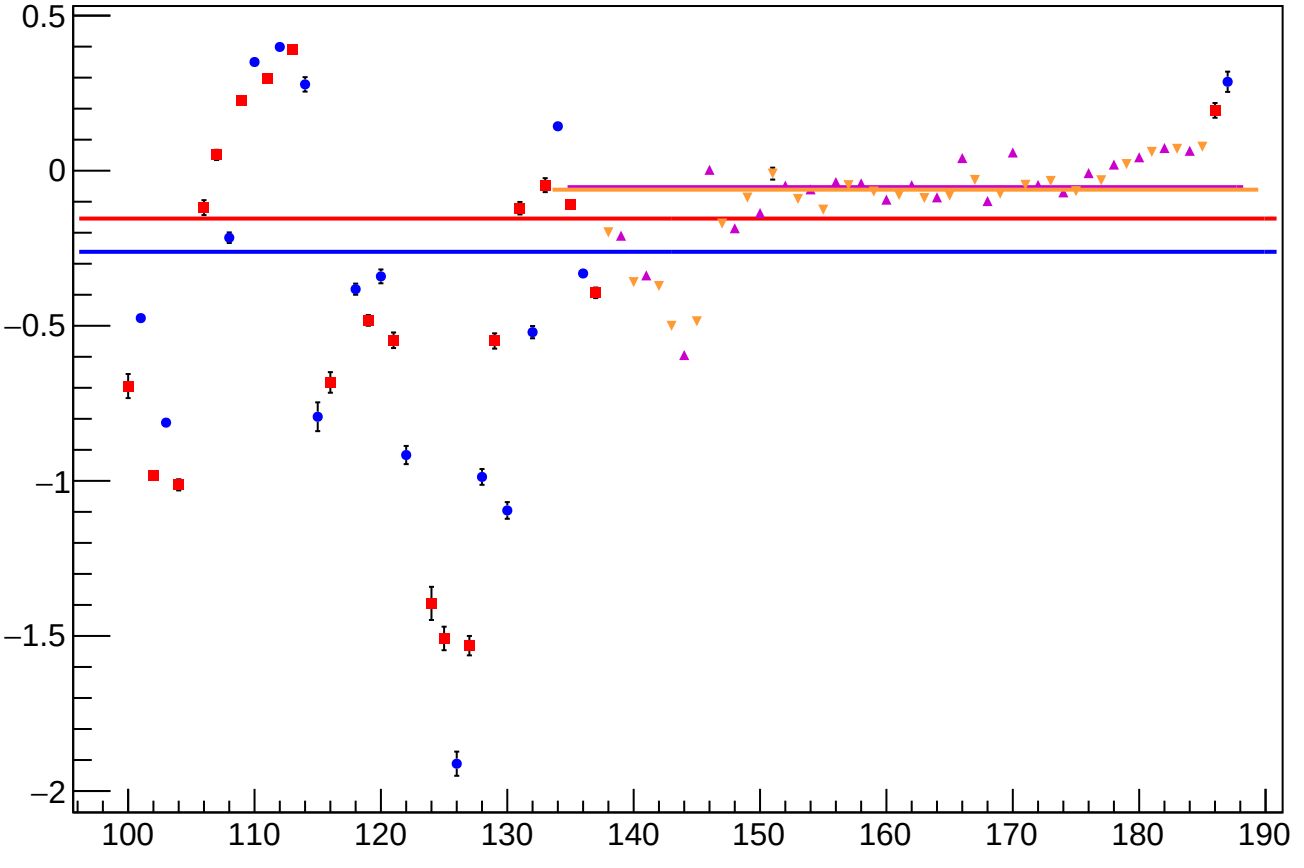
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -1.543+/-0.046 χ^2/NDF: 7045.3/36

In: -1.158+/-0.031 χ^2/NDF:11614.5/39

Out: -1.251+/-0.031 χ^2/NDF:9542.6/44

All: -1.204+/-0.022 χ^2/NDF: 21161.6/84



Right In: -0.262+/-0.004 χ^2/NDF: 12322.4/16

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: -0.154+/-0.004 χ^2/NDF: 15730.6/19

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

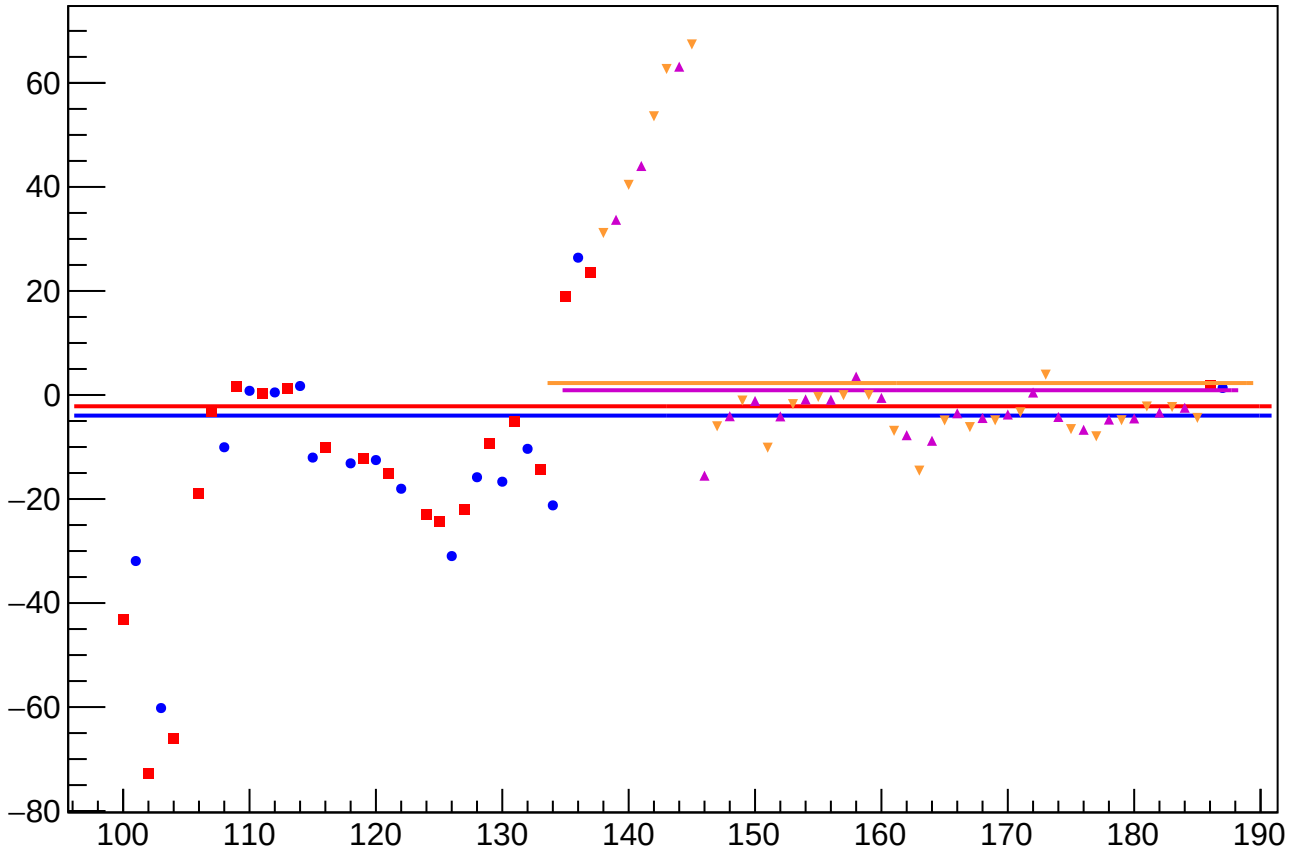
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: -0.203+/-0.003 χ^2/NDF: 28426.6/36

In: -0.077+/-0.001 χ^2/NDF:19611.4/39

Out: -0.075+/-0.001 χ^2/NDF:21988.0/44

All: -0.076+/-0.001 χ^2/NDF: 41600.5/84



Right In: -3.962+/-0.053 χ^2/NDF: 75684.4/16

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -2.170+/-0.045 χ^2/NDF: 81243.8/19

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

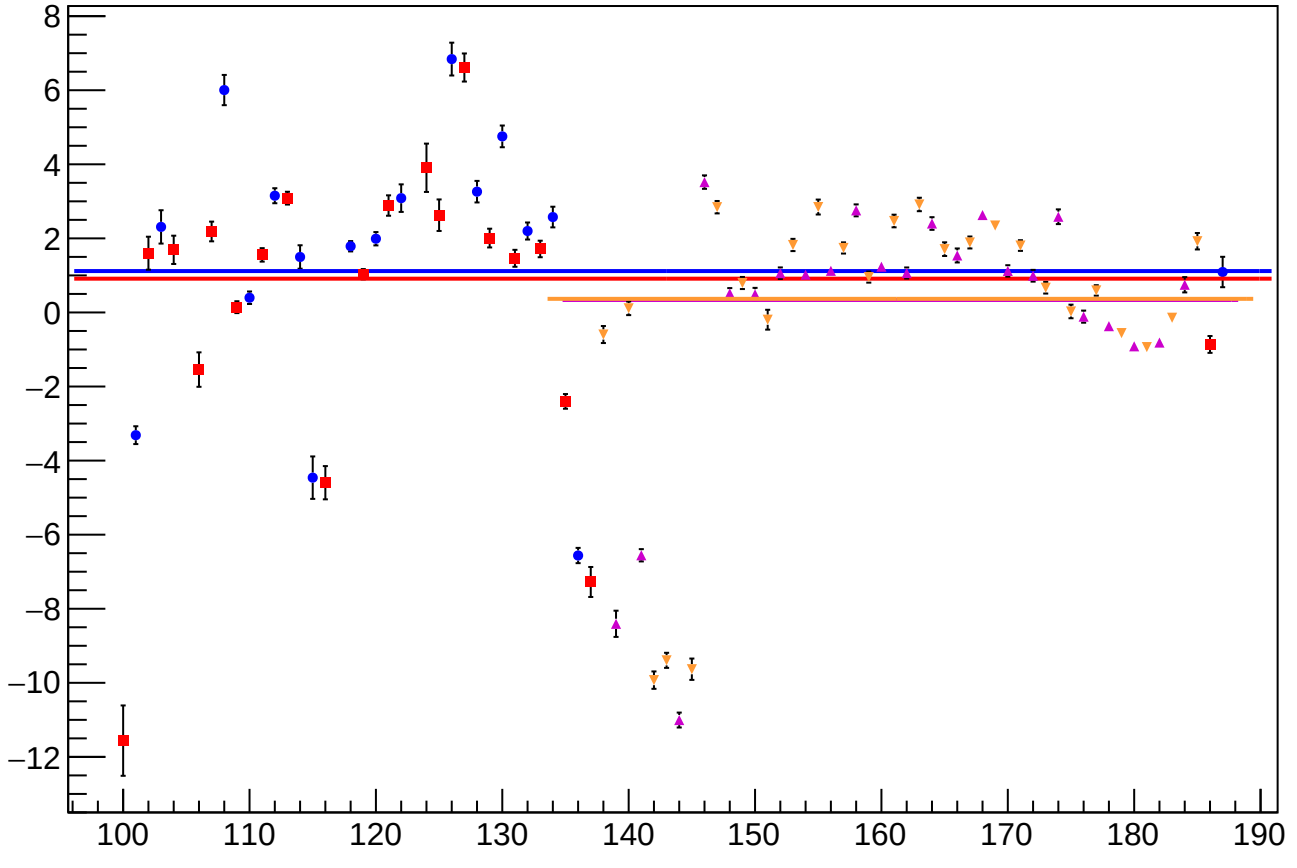
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: -2.909+/-0.034 χ^2/NDF: 157588.6/36

In: -0.835+/-0.032 χ^2/NDF:213592.2/39

Out: 0.297+/-0.030 χ^2/NDF:263925.8/44

All: -0.231+/-0.022 χ^2/NDF: 478185.6/84



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/16

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.912+/-0.056 χ^2/NDF: 1676.9/19

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

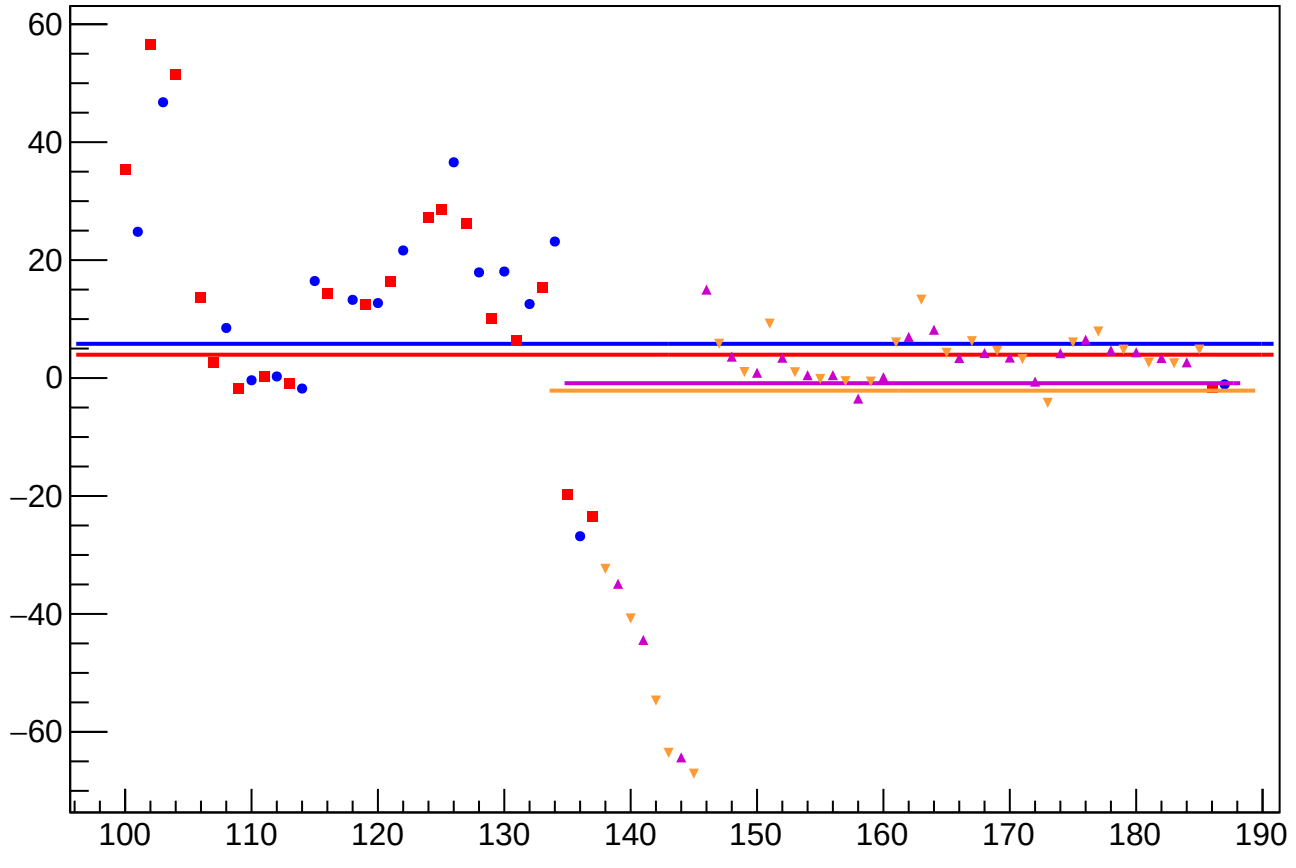
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 1.007+/-0.041 χ^2/NDF: 4275.0/36

In: 0.506+/-0.028 χ^2/NDF:9819.6/39

Out: 0.509+/-0.028 χ^2/NDF:8816.1/44

All: 0.507+/-0.020 χ^2/NDF: 18635.8/84



Right In: 5.805+/-0.062 χ^2/NDF: 71846.7/16

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 3.959+/-0.055 χ^2/NDF: 76949.4/19

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

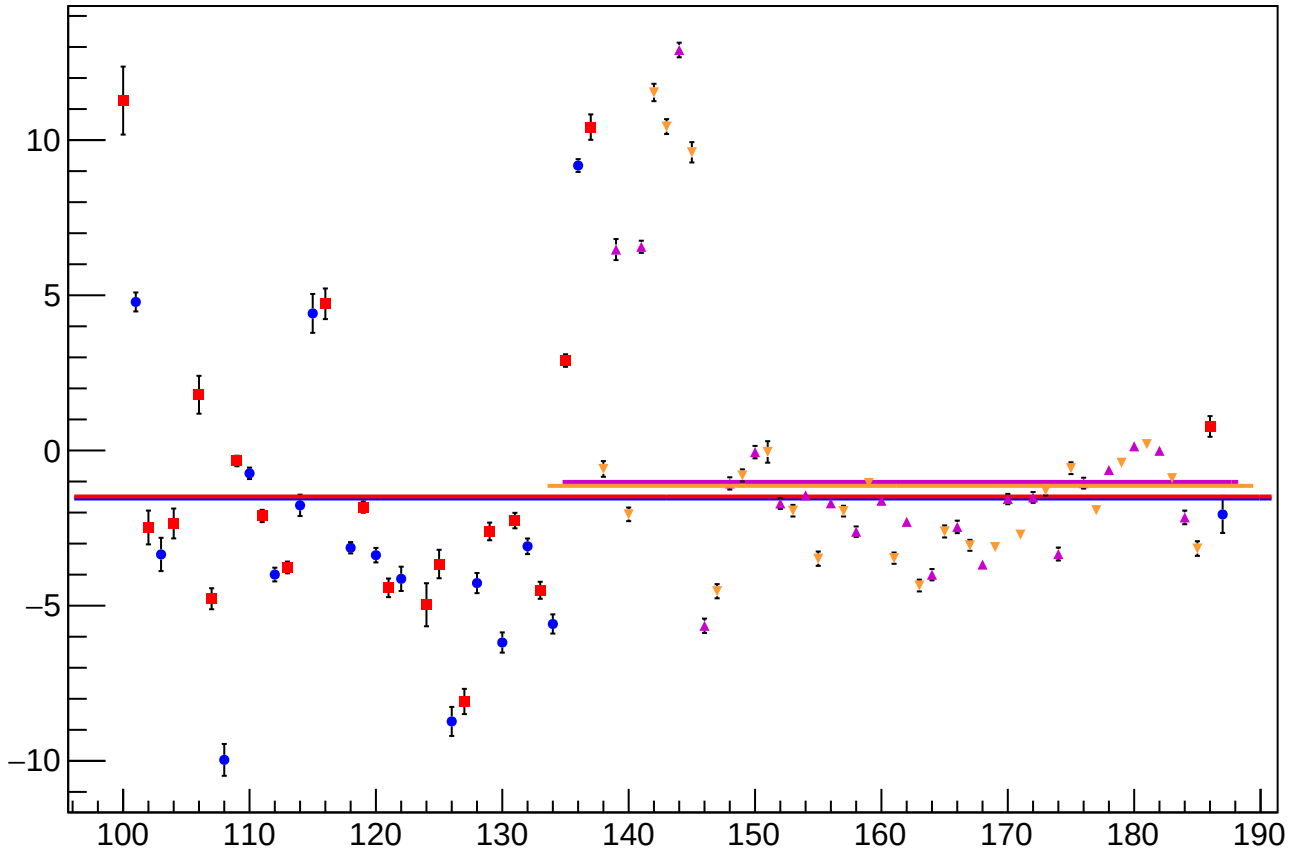
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: 4.767+/-0.041 χ^2/NDF: 149291.6/36

In: 1.039+/-0.033 χ^2/NDF:209335.7/39

Out: 0.000+/-0.032 χ^2/NDF:256421.7/44

All: 0.507+/-0.023 χ^2/NDF: 466257.1/84



Right In: -1.547+/-0.069 χ^2/NDF: 4536.7/16

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.483+/-0.063 χ^2/NDF: 2544.5/19

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

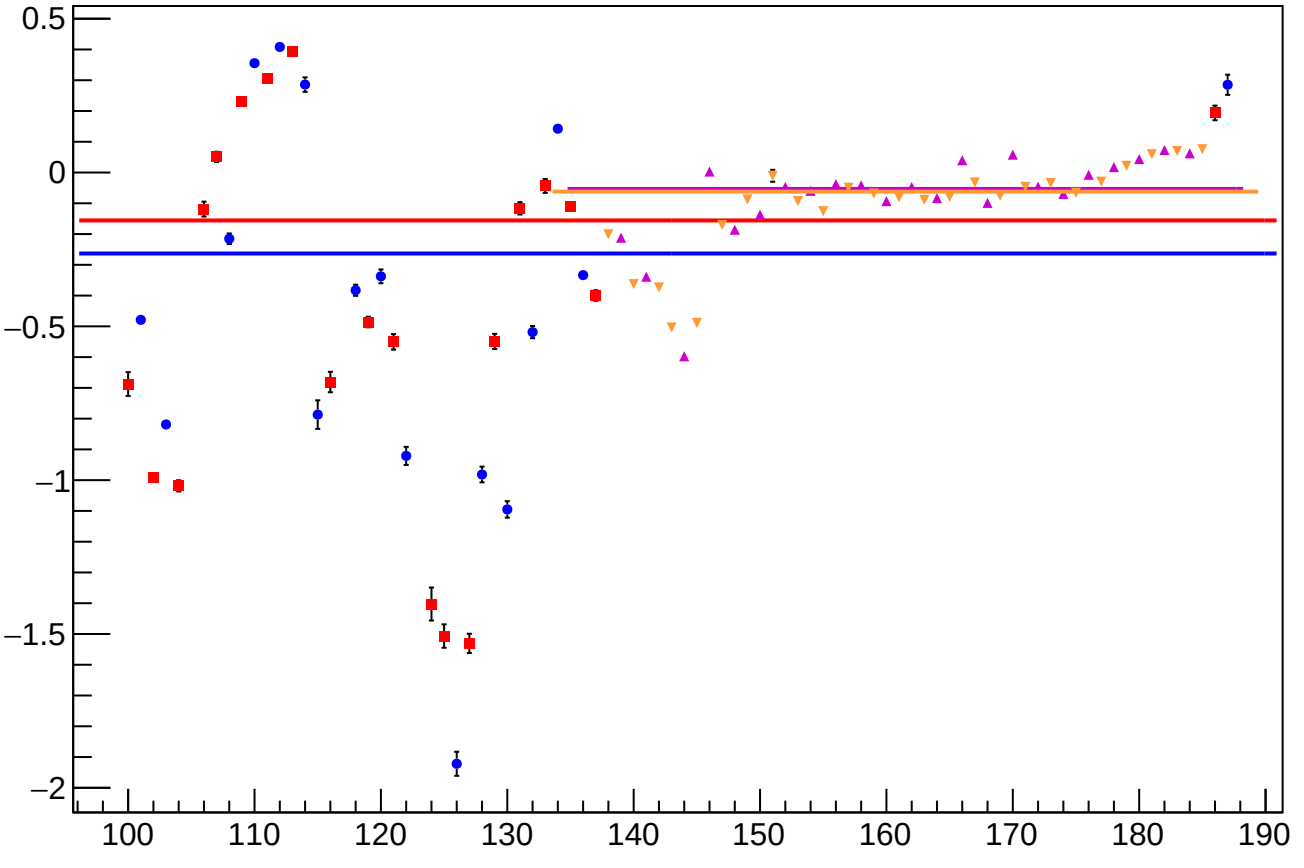
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -1.512+/-0.047 χ^2/NDF: 7081.6/36

In: -1.122+/-0.031 χ^2/NDF:11611.4/39

Out: -1.224+/-0.032 χ^2/NDF:9589.4/44

All: -1.172+/-0.022 χ^2/NDF: 21206.2/84



Right In: -0.263+/-0.004 χ^2/NDF: 12348.5/16

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: -0.156+/-0.004 χ^2/NDF: 15712.8/19

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

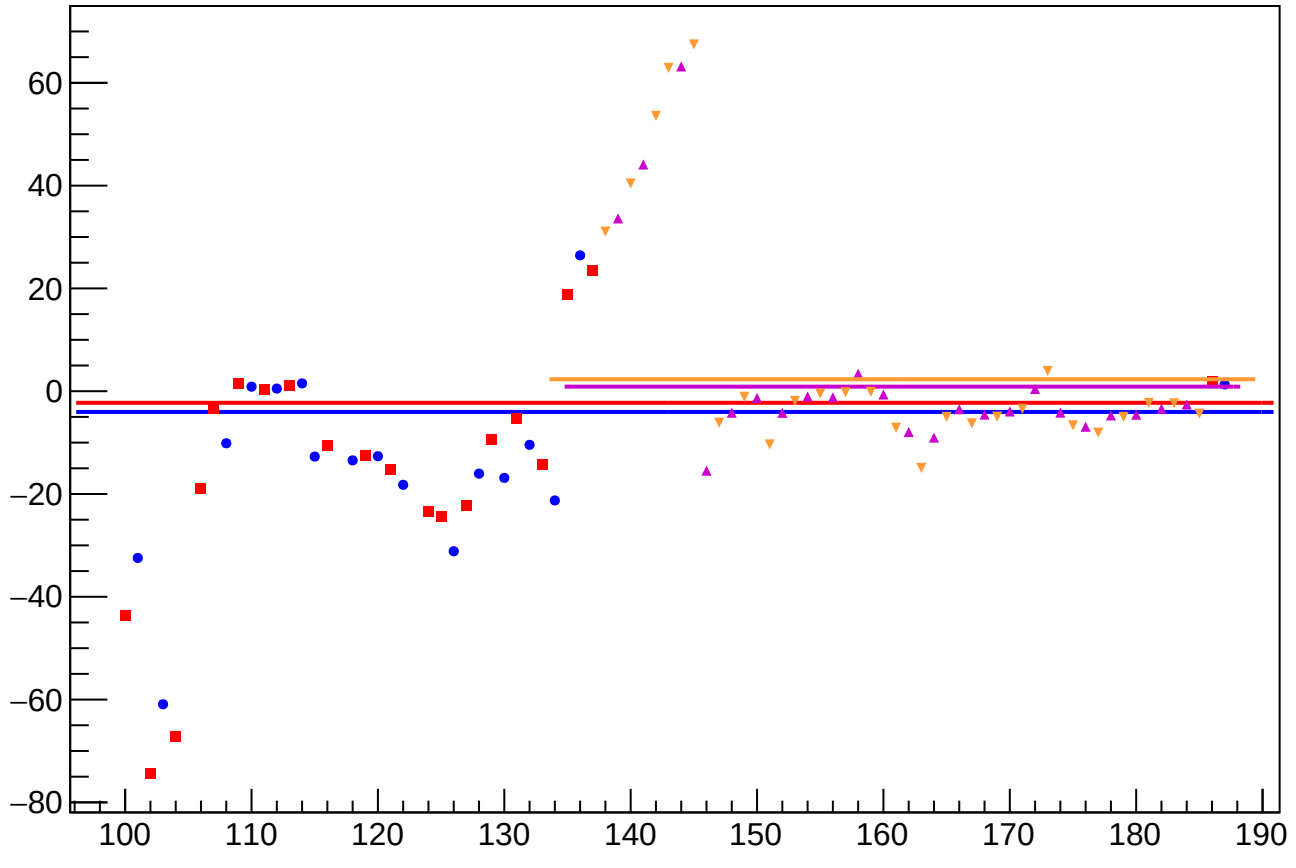
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: -0.204+/-0.003 χ^2/NDF: 28432.9/36

In: -0.078+/-0.001 χ^2/NDF:19631.7/39

Out: -0.076+/-0.001 χ^2/NDF:21976.3/44

All: -0.077+/-0.001 χ^2/NDF: 41608.5/84



Right In: -4.036+/-0.054 χ^2/NDF: 74685.8/16

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -2.255+/-0.046 χ^2/NDF: 80412.3/19

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

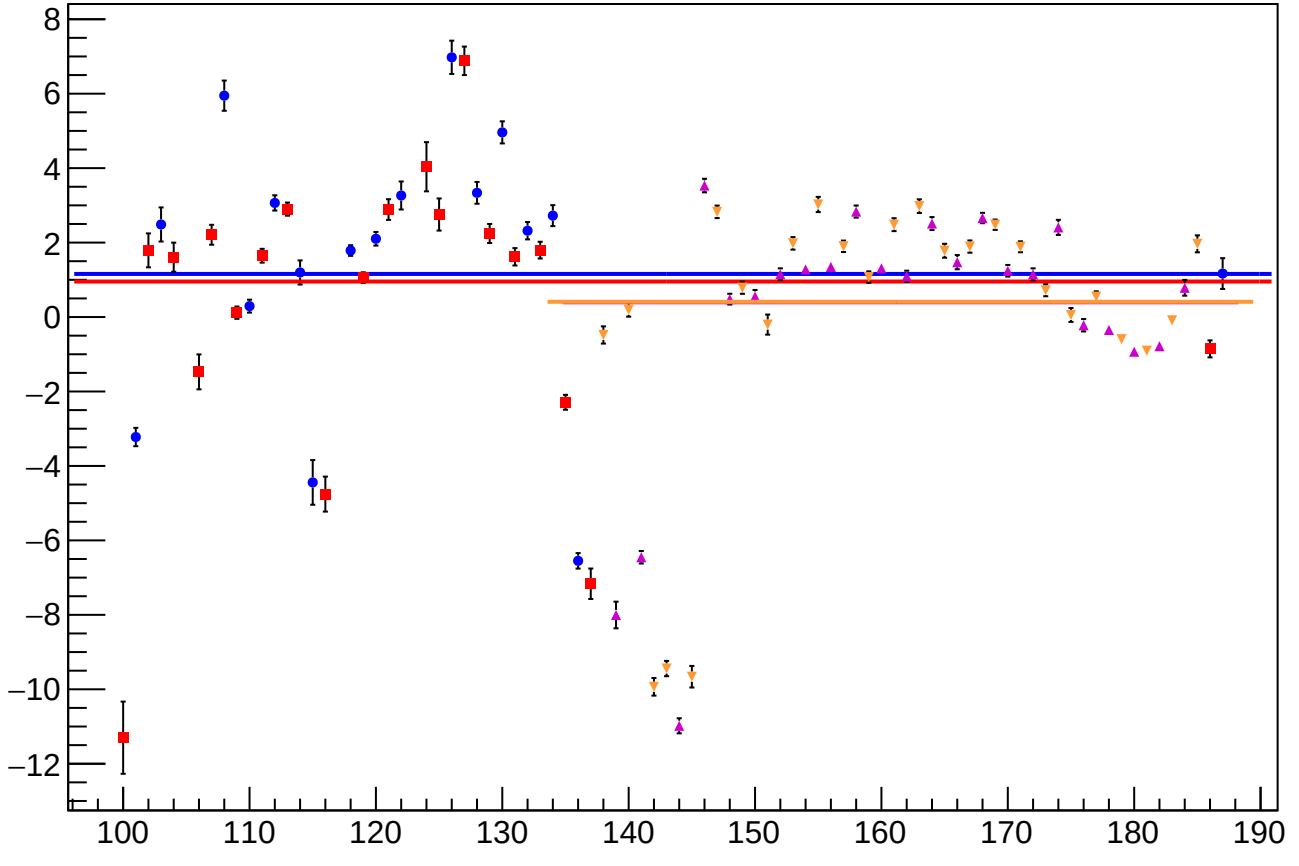
Right: -2.992+/-0.035 χ^2/NDF: 155725.8/36

In: -0.882+/-0.033 χ^2/NDF:210345.0/39

Out: 0.283+/-0.031 χ^2/NDF:260617.4/44

All: -0.262+/-0.022 χ^2/NDF: 471641.6/84

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.061 χ^2/NDF: 2549.9/16

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.954+/-0.057 χ^2/NDF: 1618.3/19

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

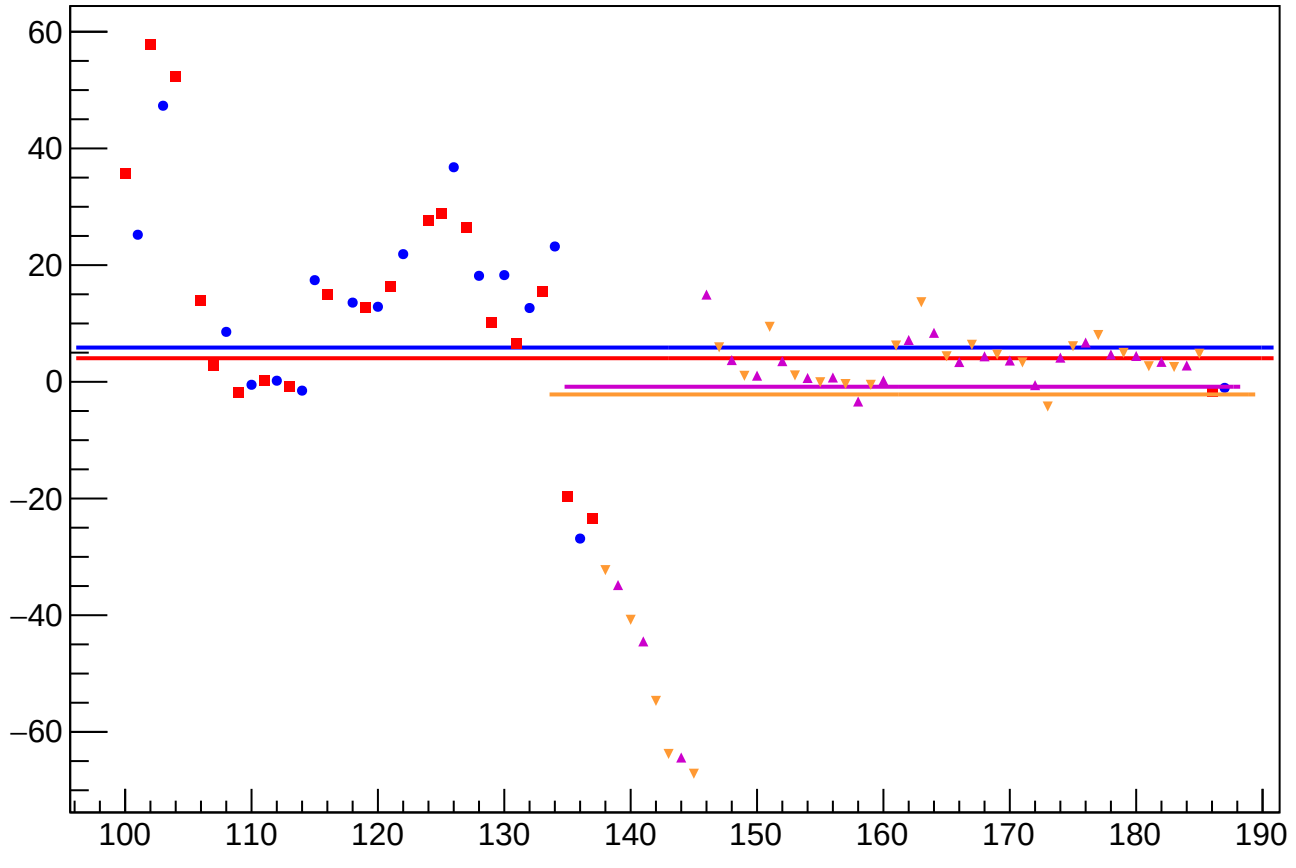
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 1.048+/-0.041 χ^2/NDF: 4174.2/36

In: 0.562+/-0.028 χ^2/NDF:9604.5/39

Out: 0.551+/-0.029 χ^2/NDF:8734.8/44

All: 0.557+/-0.020 χ^2/NDF: 18339.4/84



Right In: 5.873+/-0.063 χ^2/NDF: 70948.5/16

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 4.044+/-0.056 χ^2/NDF: 76169.8/19

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

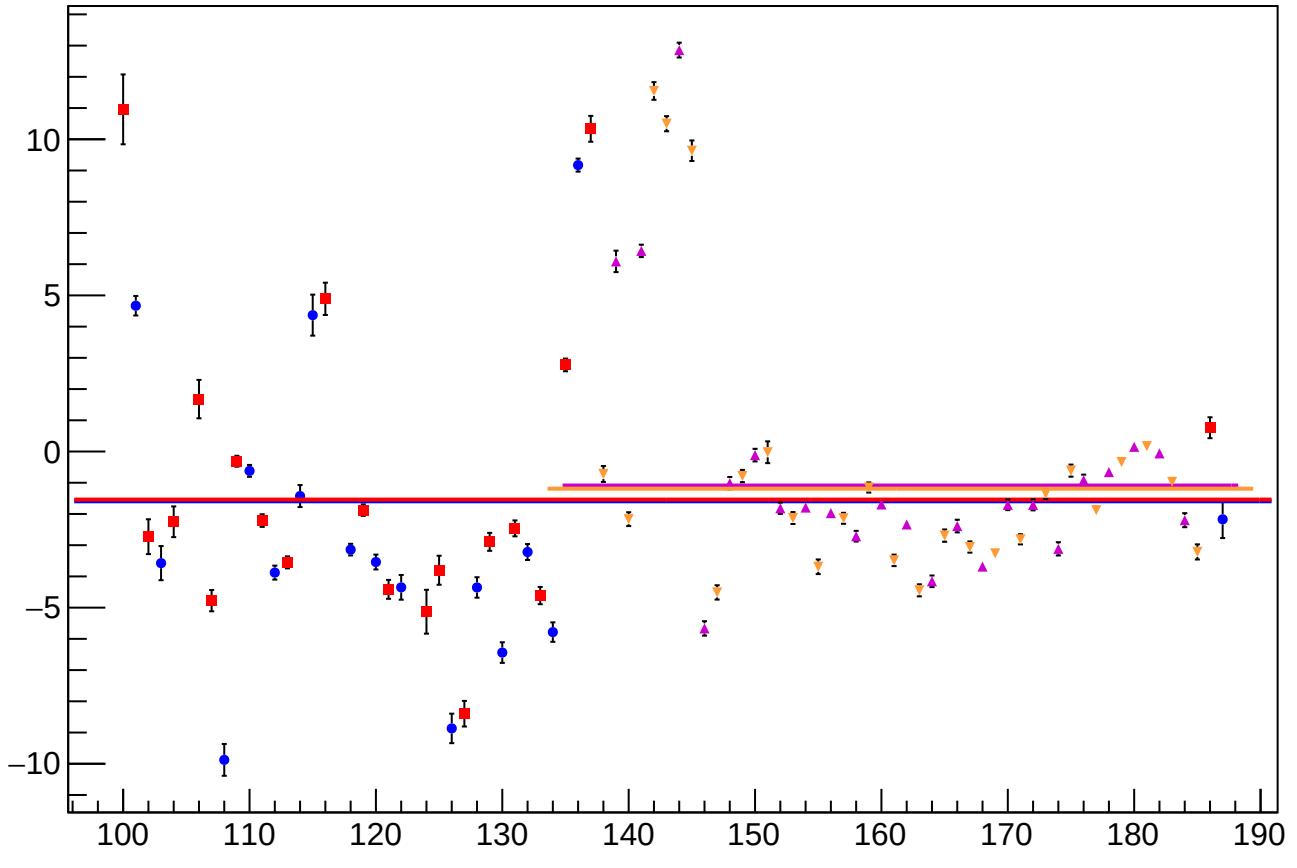
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: 4.846+/-0.042 χ^2/NDF: 147587.8/36

In: 1.088+/-0.034 χ^2/NDF:206116.5/39

Out: 0.012+/-0.033 χ^2/NDF:253170.0/44

All: 0.537+/-0.024 χ^2/NDF: 459802.6/84



Right In: -1.594+/-0.070 χ^2/NDF: 4473.6/16

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.539+/-0.065 χ^2/NDF: 2471.2/19

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

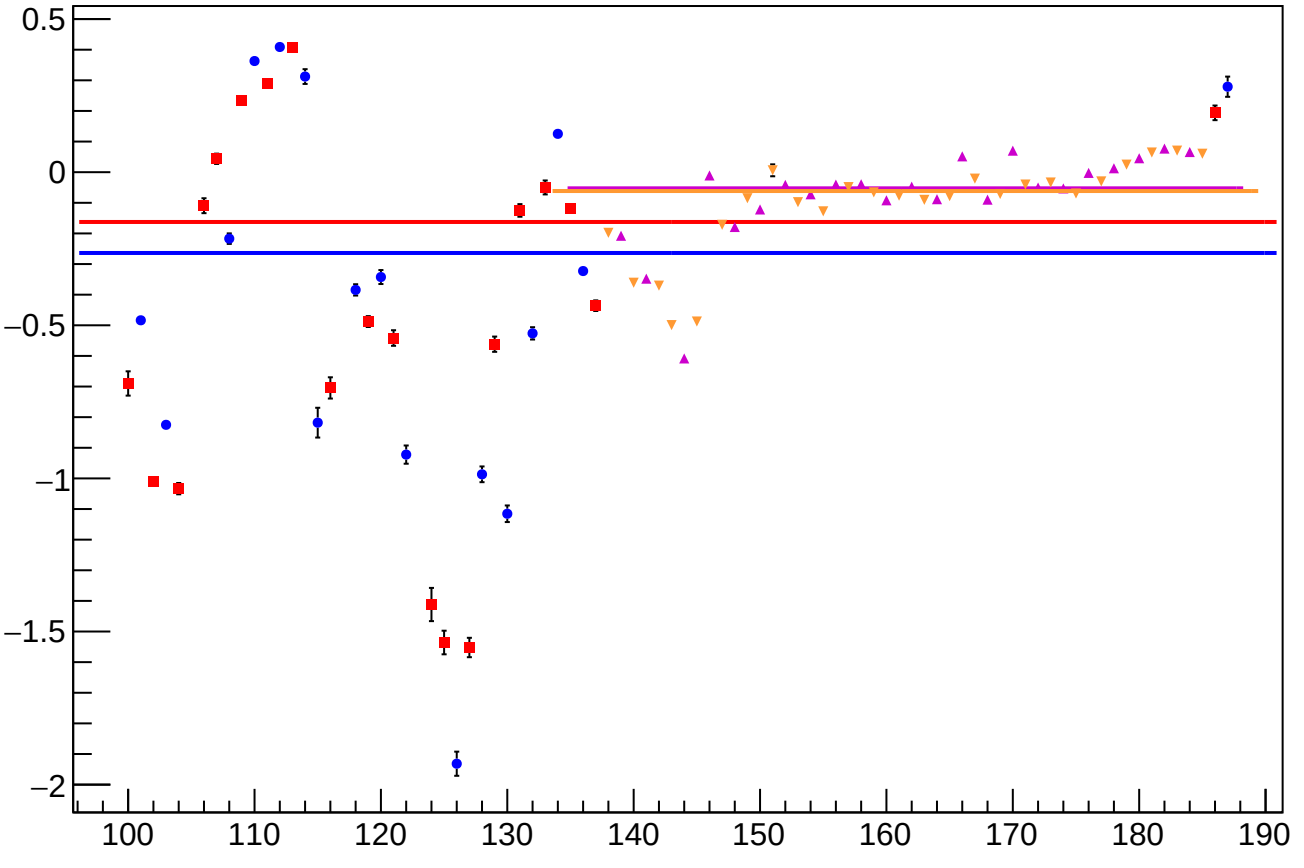
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -1.564+/-0.048 χ^2/NDF: 6945.1/36

In: -1.192+/-0.032 χ^2/NDF:11355.3/39

Out: -1.277+/-0.032 χ^2/NDF:9489.1/44

All: -1.234+/-0.023 χ^2/NDF: 20847.9/84



Right In: -0.264+/-0.004 χ^2/NDF: 12131.4/16

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: -0.163+/-0.004 χ^2/NDF: 15550.9/19

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

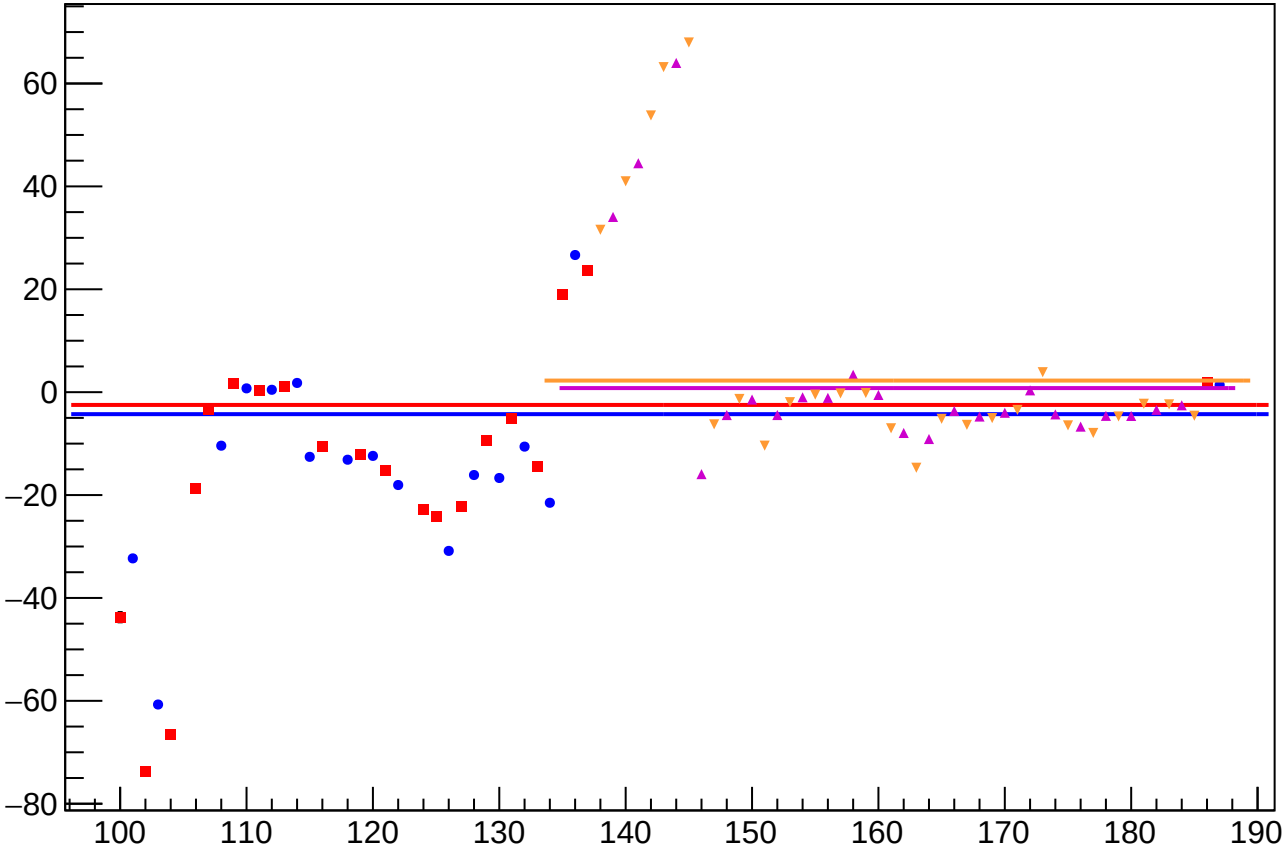
Right: -0.209+/-0.003 χ^2/NDF: 28001.4/36

In: -0.077+/-0.001 χ^2/NDF:19409.5/39

Out: -0.077+/-0.001 χ^2/NDF:21708.5/44

All: -0.077+/-0.001 χ^2/NDF: 41118.0/84

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.273+/-0.055 χ^2/NDF: 73159.6/16

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -2.481+/-0.047 χ^2/NDF: 78498.1/19

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

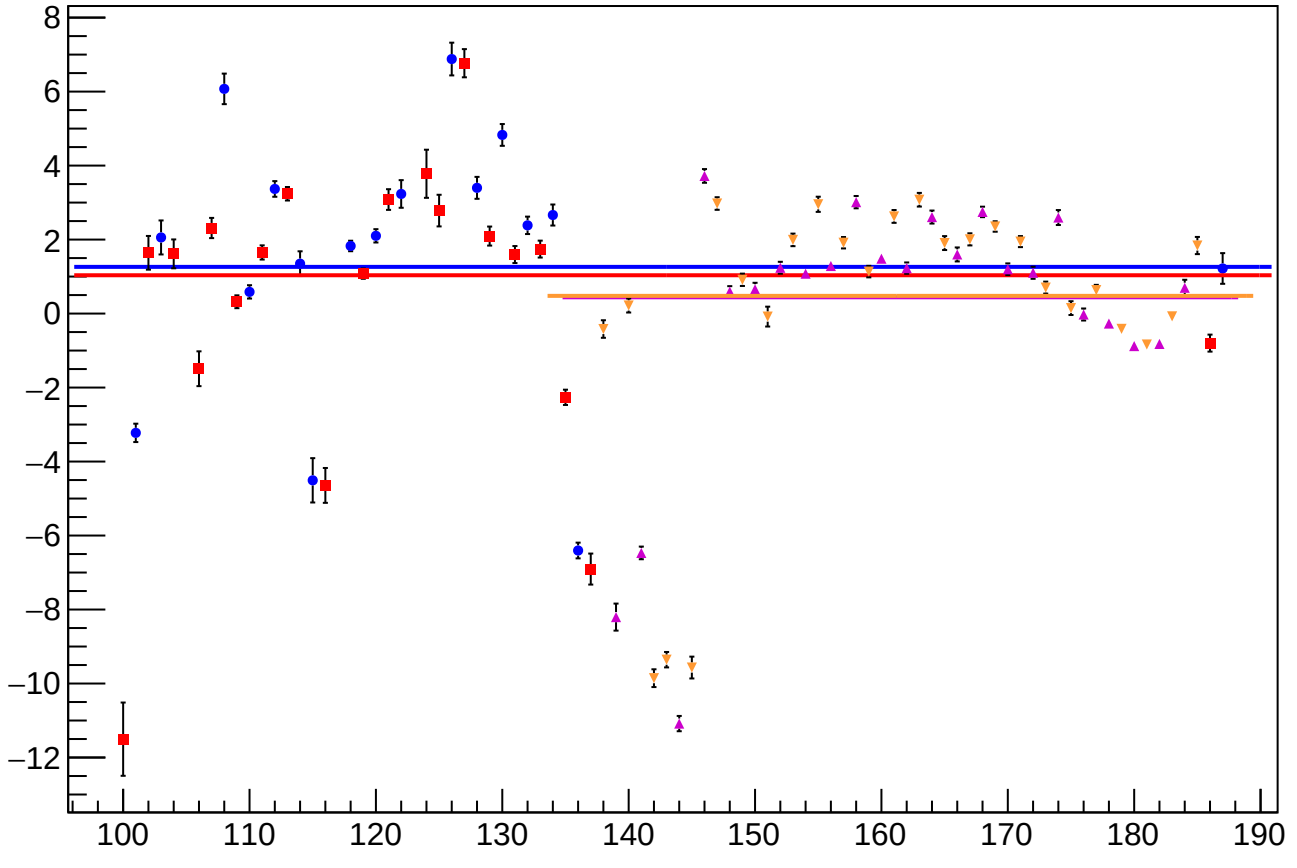
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -3.229+/-0.036 χ^2/NDF: 152266.7/36

In: -1.007+/-0.033 χ^2/NDF:207373.6/39

Out: 0.177+/-0.031 χ^2/NDF:255884.1/44

All: -0.379+/-0.023 χ^2/NDF: 463938.4/84



Right In: 1.262+/-0.061 χ^2/NDF: 2443.8/16

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 1.036+/-0.057 χ^2/NDF: 1558.6/19

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

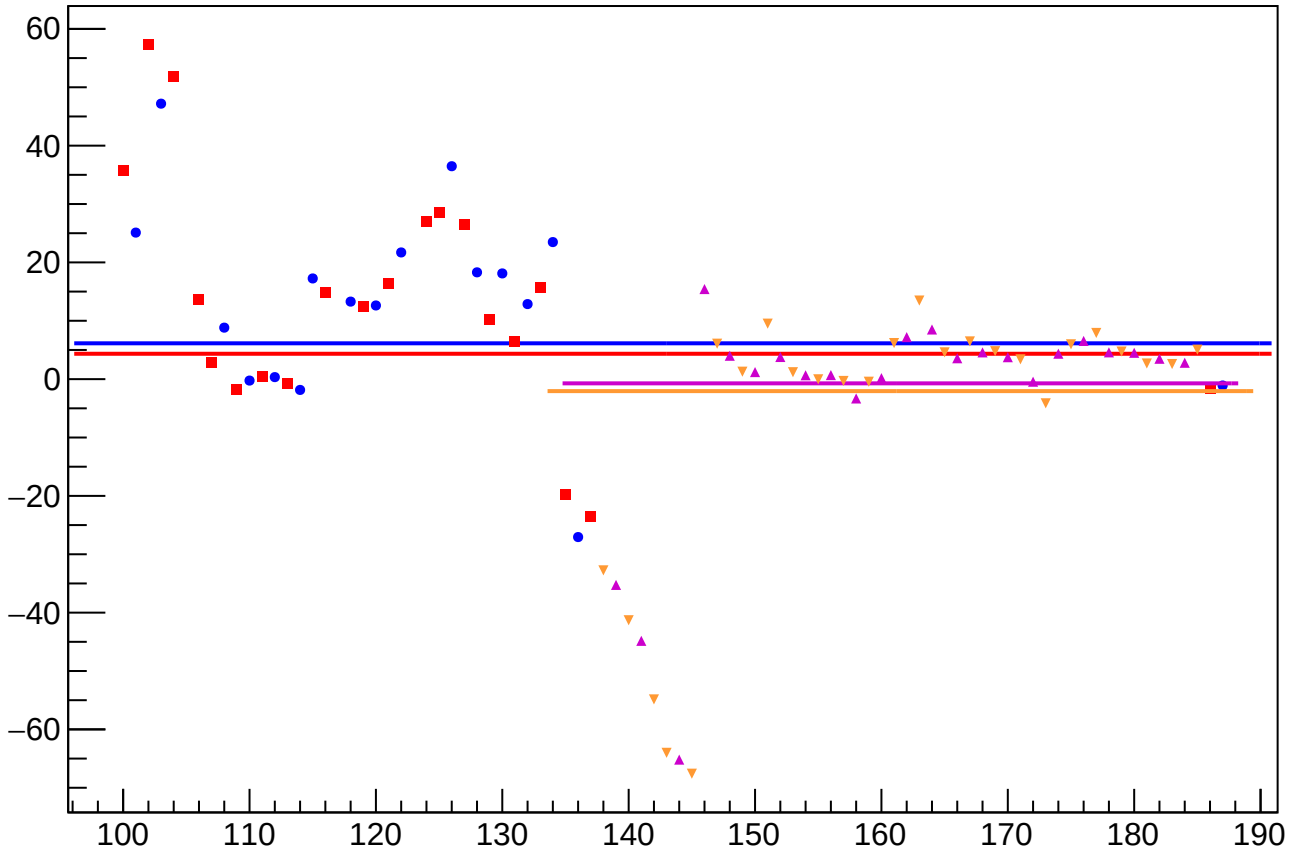
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 1.141+/-0.042 χ^2/NDF: 4009.7/36

In: 0.619+/-0.029 χ^2/NDF:9478.1/39

Out: 0.622+/-0.029 χ^2/NDF:8436.9/44

All: 0.621+/-0.020 χ^2/NDF: 17915.0/84



Right In: 6.139+/-0.064 χ^2/NDF: 69376.3/16

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 4.348+/-0.057 χ^2/NDF: 74123.9/19

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

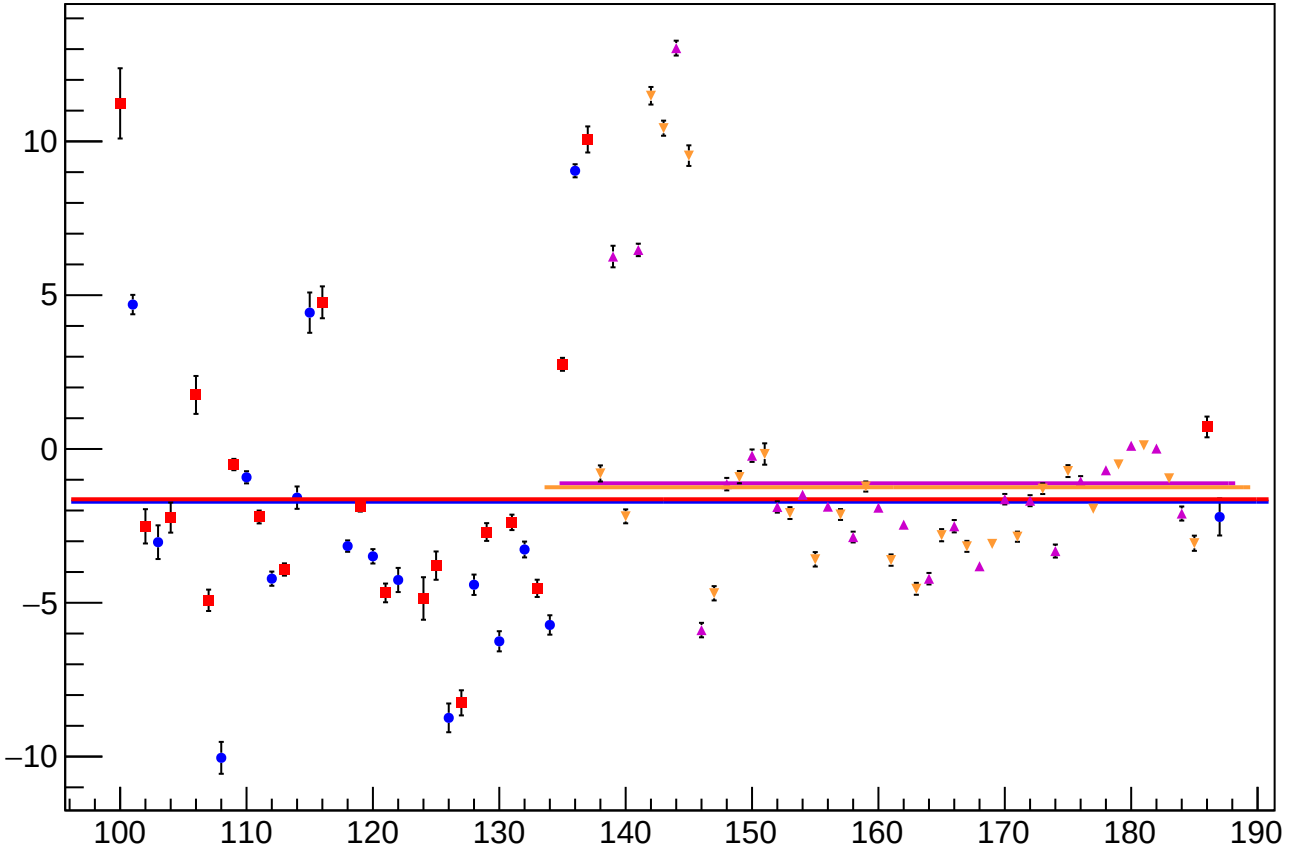
Right: 5.138+/-0.043 χ^2/NDF: 143936.7/36

In: 1.242+/-0.034 χ^2/NDF:203083.7/39

Out: 0.166+/-0.034 χ^2/NDF:248388.4/44

All: 0.692+/-0.024 χ^2/NDF: 451975.7/84

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.715+/-0.071 χ^2/NDF: 4290.5/16

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -1.635+/-0.066 χ^2/NDF: 2360.2/19

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

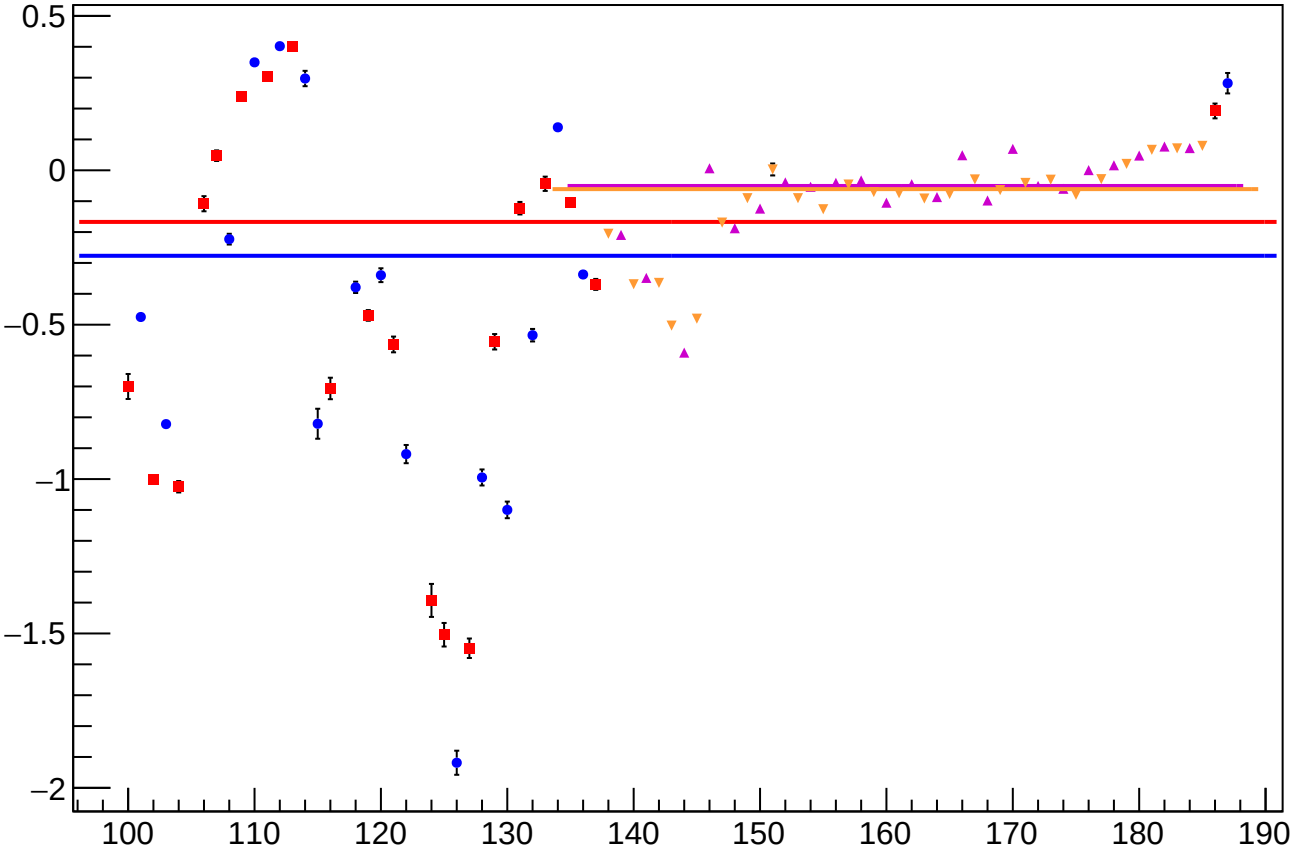
Right: -1.672+/-0.048 χ^2/NDF: 6651.4/36

In: -1.239+/-0.032 χ^2/NDF:11187.1/39

Out: -1.340+/-0.032 χ^2/NDF:9155.7/44

All: -1.289+/-0.023 χ^2/NDF: 20347.7/84

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.277+/-0.004 χ^2/NDF: 11651.2/16

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: -0.167+/-0.004 χ^2/NDF: 14998.4/19

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

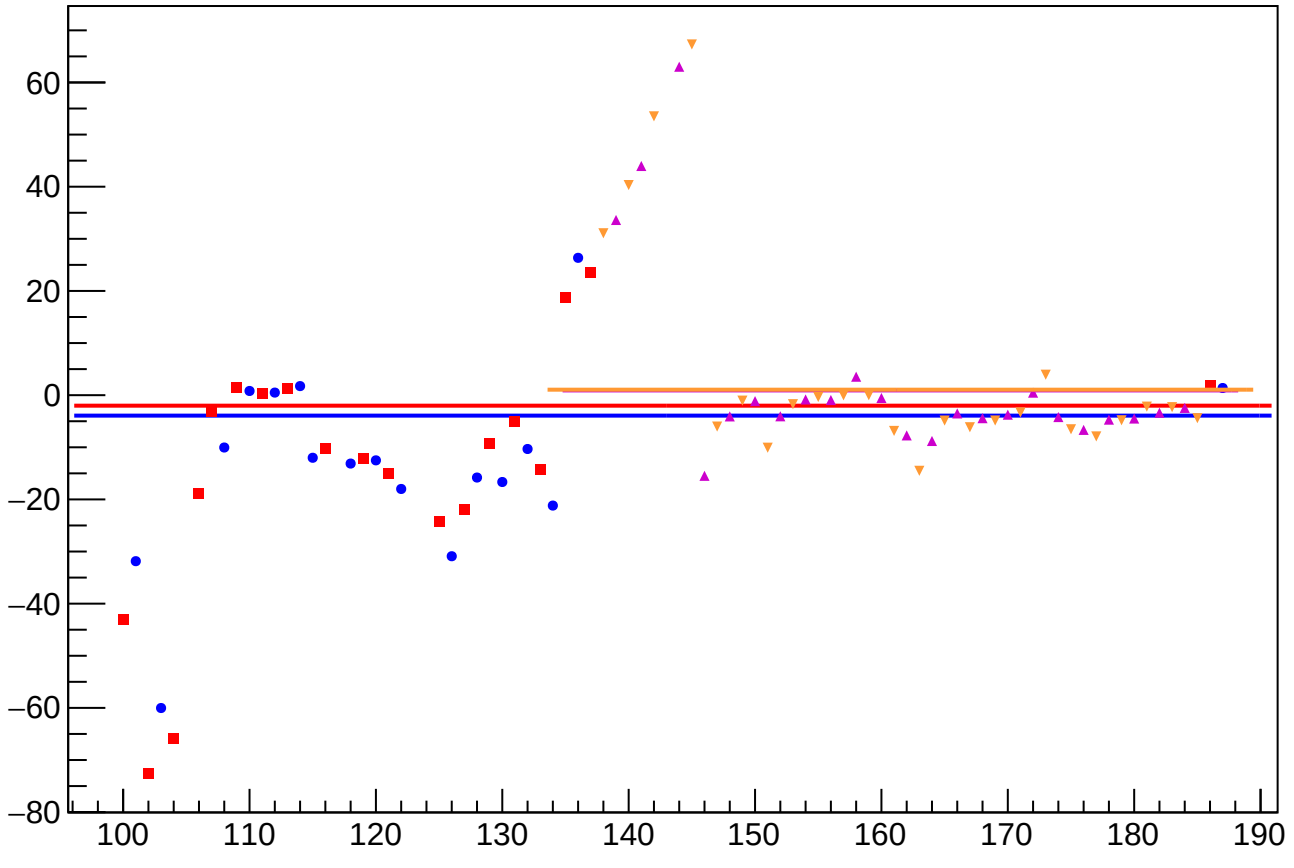
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: -0.217+/-0.003 χ^2/NDF: 27011.9/36

In: -0.077+/-0.001 χ^2/NDF:19035.1/39

Out: -0.077+/-0.002 χ^2/NDF:21109.8/44

All: -0.077+/-0.001 χ^2/NDF: 40145.0/84



Right In: -3.923+/-0.053 χ^2/NDF: 75862.3/16

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: -2.014+/-0.045 χ^2/NDF: 80109.6/18

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

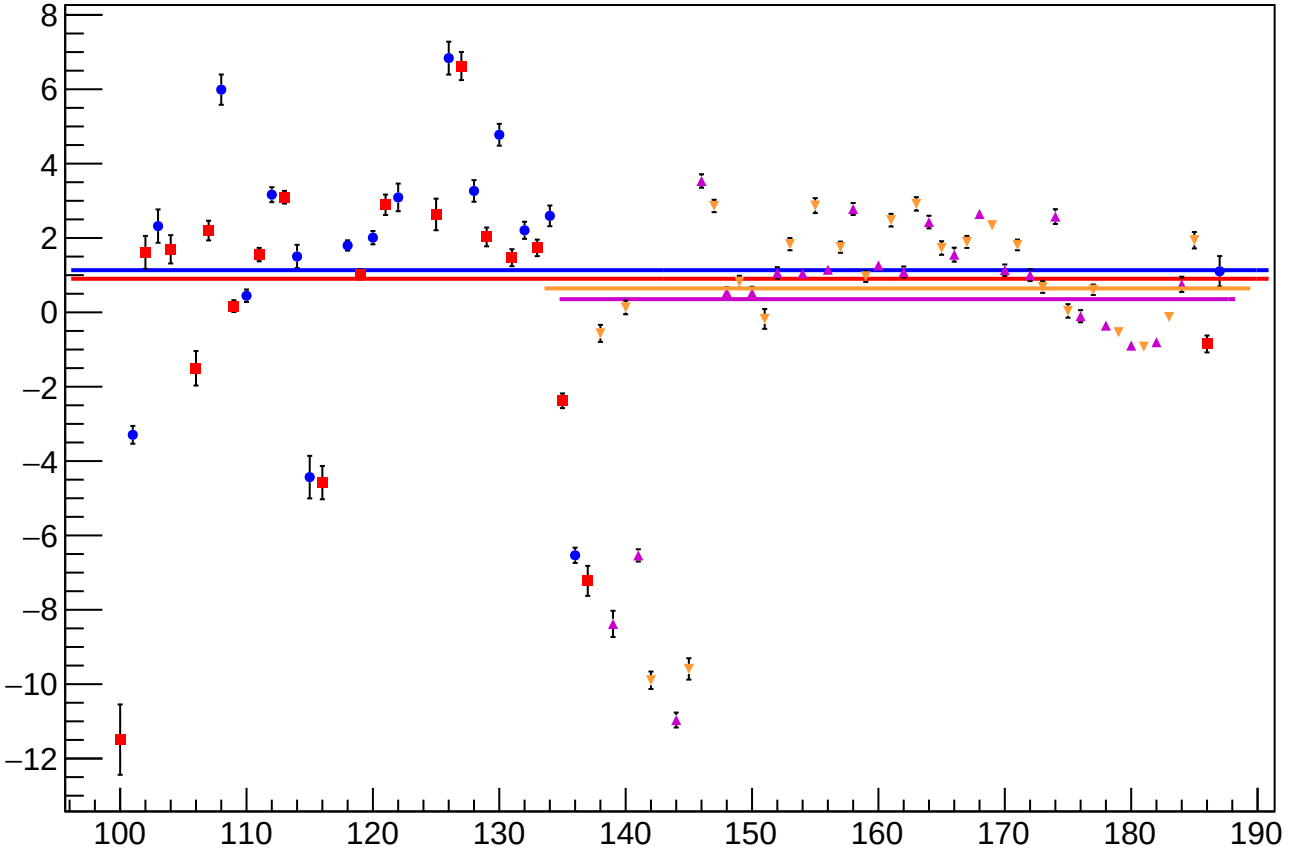
Right: -2.803+/-0.034 χ^2/NDF: 156727.3/35

In: -0.823+/-0.032 χ^2/NDF:213964.5/39

Out: -0.334+/-0.030 χ^2/NDF:213725.9/42

All: -0.564+/-0.022 χ^2/NDF: 427815.3/82

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/16

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.903+/-0.055 χ^2/NDF: 1656.3/18

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

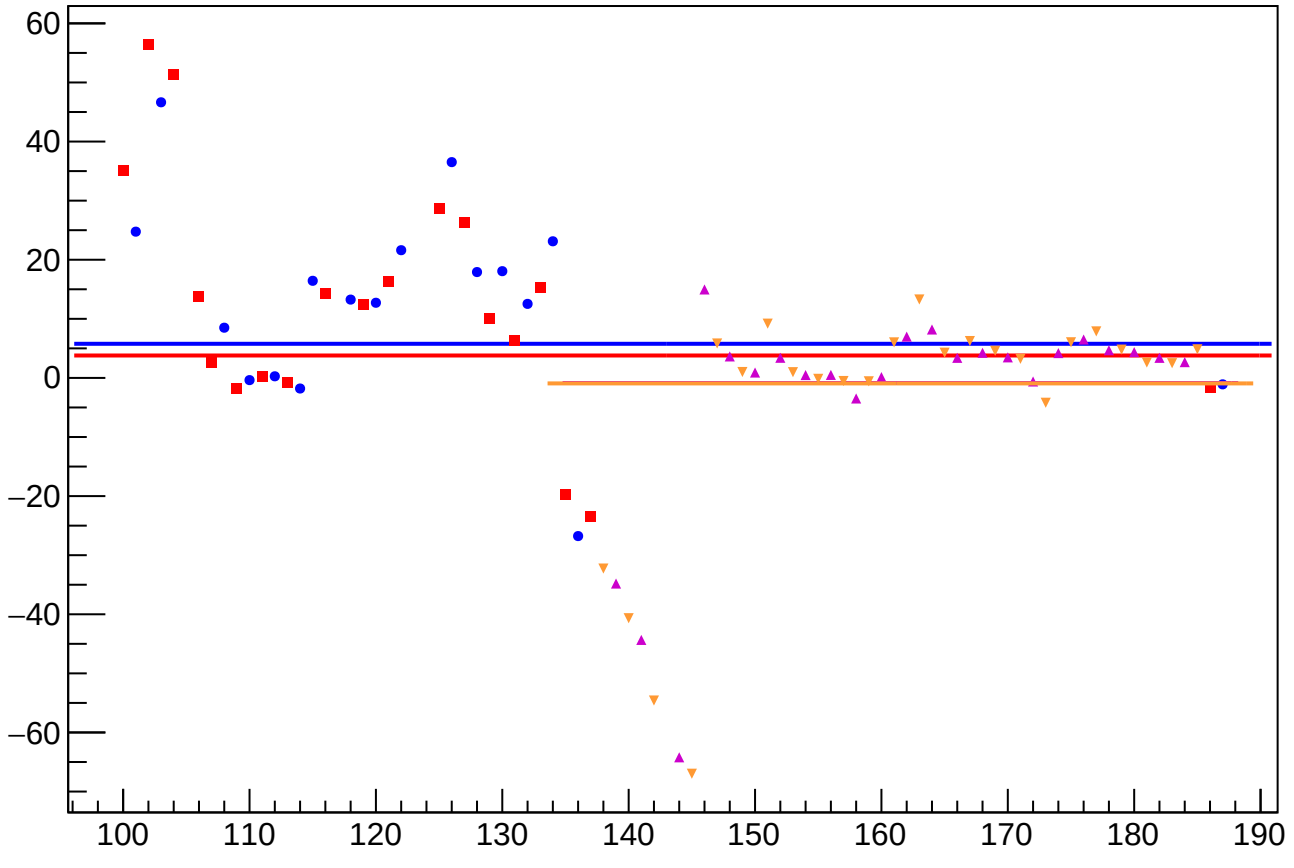
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 1.011+/-0.041 χ^2/NDF: 4260.0/35

In: 0.524+/-0.028 χ^2/NDF:9846.8/39

Out: 0.712+/-0.028 χ^2/NDF:6383.4/42

All: 0.616+/-0.020 χ^2/NDF: 16252.6/82



Right In: 5.775+/-0.062 χ^2/NDF: 72012.7/16

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: 3.795+/-0.055 χ^2/NDF: 76005.7/18

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

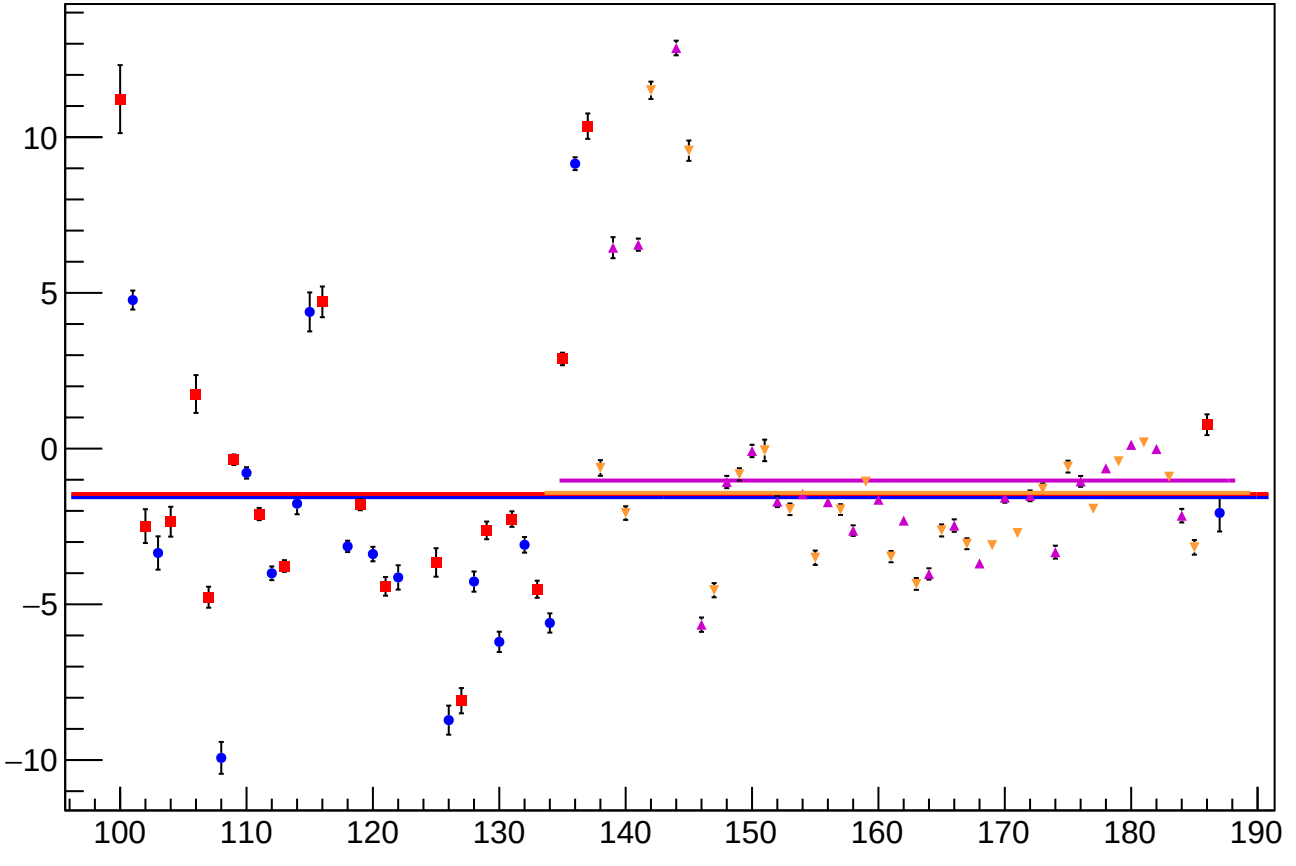
Right: 4.664+/-0.041 χ^2/NDF: 148591.7/35

In: 1.039+/-0.033 χ^2/NDF:209686.2/39

Out: 0.742+/-0.033 χ^2/NDF:207187.7/42

All: 0.888+/-0.023 χ^2/NDF: 416914.8/82

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.559+/-0.069 χ^2/NDF: 4544.3/16

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -1.460+/-0.063 χ^2/NDF: 2519.3/18

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

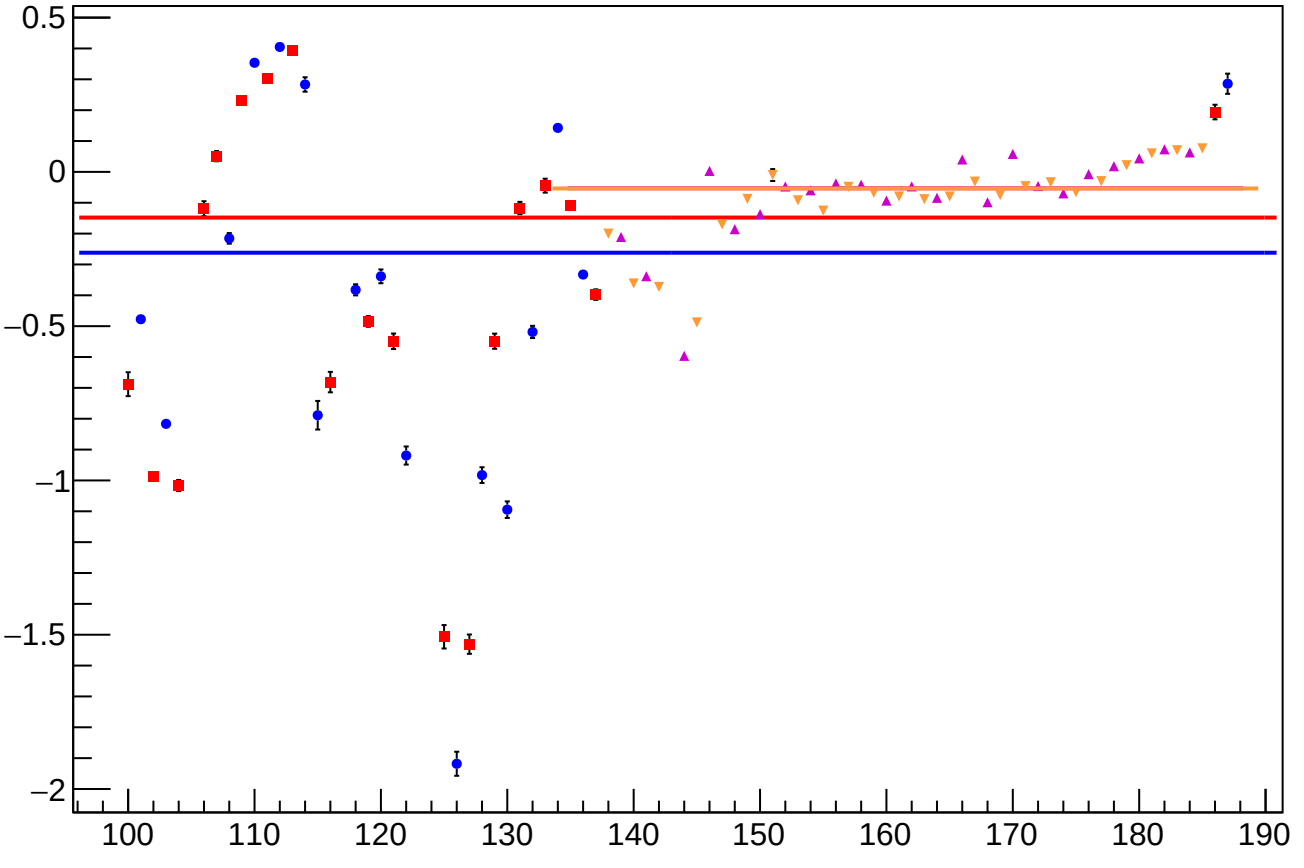
Right: -1.505+/-0.047 χ^2/NDF: 7064.7/35

In: -1.134+/-0.031 χ^2/NDF:11639.1/39

Out: -1.430+/-0.032 χ^2/NDF:7161.5/42

All: -1.279+/-0.022 χ^2/NDF: 18845.2/82

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.262+/-0.004 χ^2/NDF: 12380.9/16

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: -0.148+/-0.004 χ^2/NDF: 15231.9/18

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

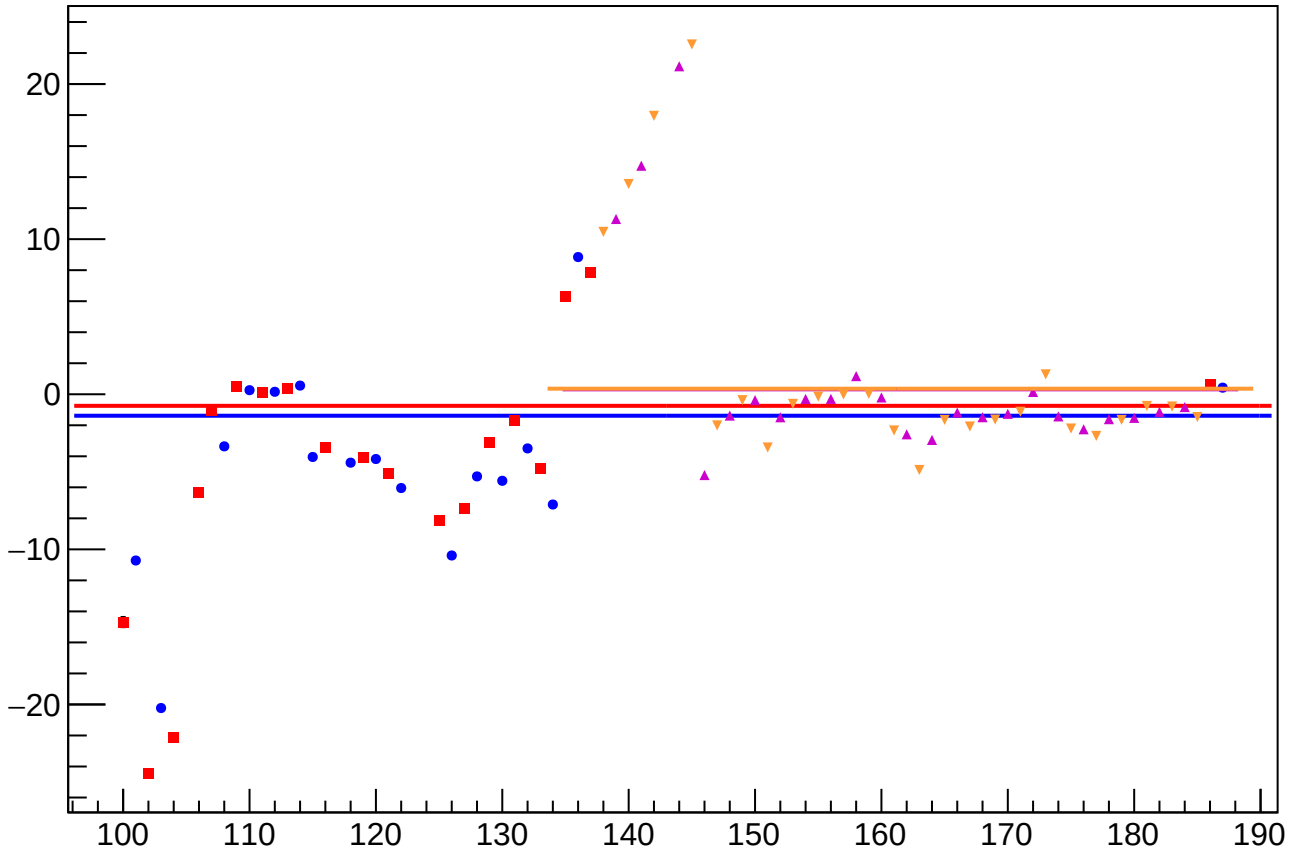
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: -0.200+/-0.003 χ^2/NDF: 28032.3/35

In: -0.077+/-0.001 χ^2/NDF:19672.5/39

Out: -0.068+/-0.001 χ^2/NDF:20108.8/42

All: -0.073+/-0.001 χ^2/NDF: 39801.9/82



Right In: -1.384+/-0.018 χ^2/NDF: 74205.4/16

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.746+/-0.016 χ^2/NDF: 78532.1/18

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

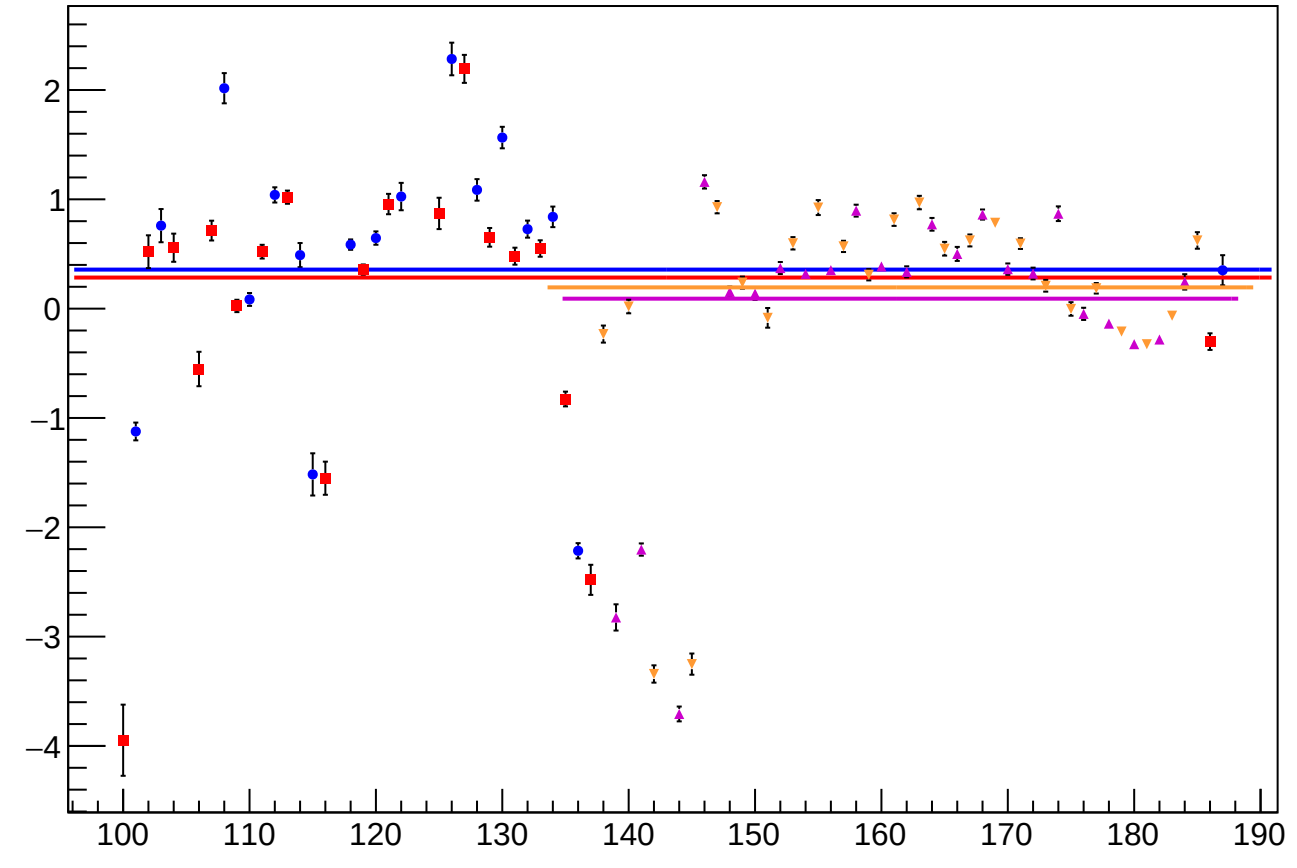
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -1.013+/-0.012 χ^2/NDF: 153446.6/35

In: -0.291+/-0.011 χ^2/NDF:209991.8/39

Out: -0.132+/-0.010 χ^2/NDF:210181.7/42

All: -0.207+/-0.008 χ^2/NDF: 420284.9/82



Right In: 0.357+/-0.020 χ^2/NDF: 2543.0/16

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.284+/-0.019 χ^2/NDF: 1622.4/18

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

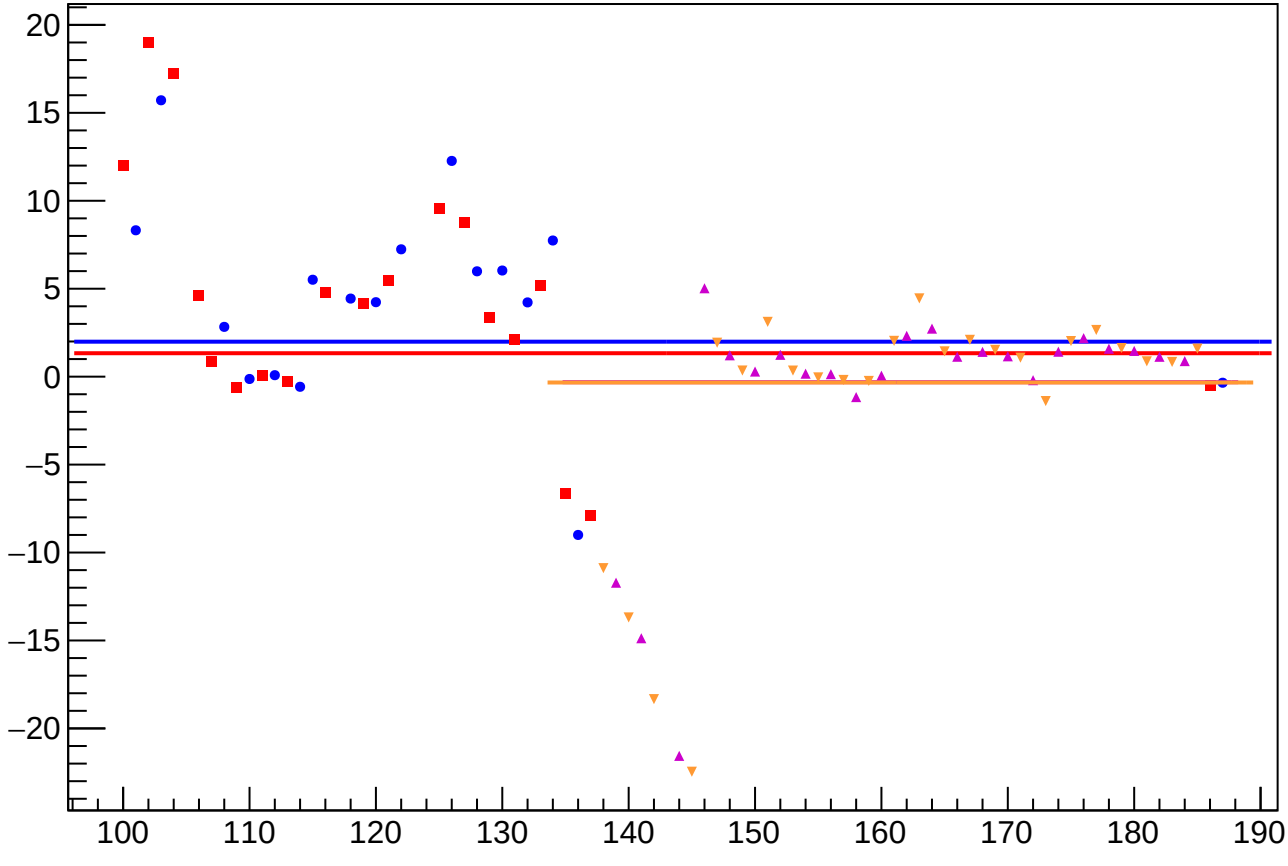
Right: 0.318+/-0.014 χ^2/NDF: 4172.2/35

In: 0.149+/-0.010 χ^2/NDF:9612.9/39

Out: 0.218+/-0.010 χ^2/NDF:6283.8/42

All: 0.183+/-0.007 χ^2/NDF: 15922.3/82

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.989+/-0.021 χ^2/NDF: 70438.6/16

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: 1.333+/-0.019 χ^2/NDF: 74492.2/18

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

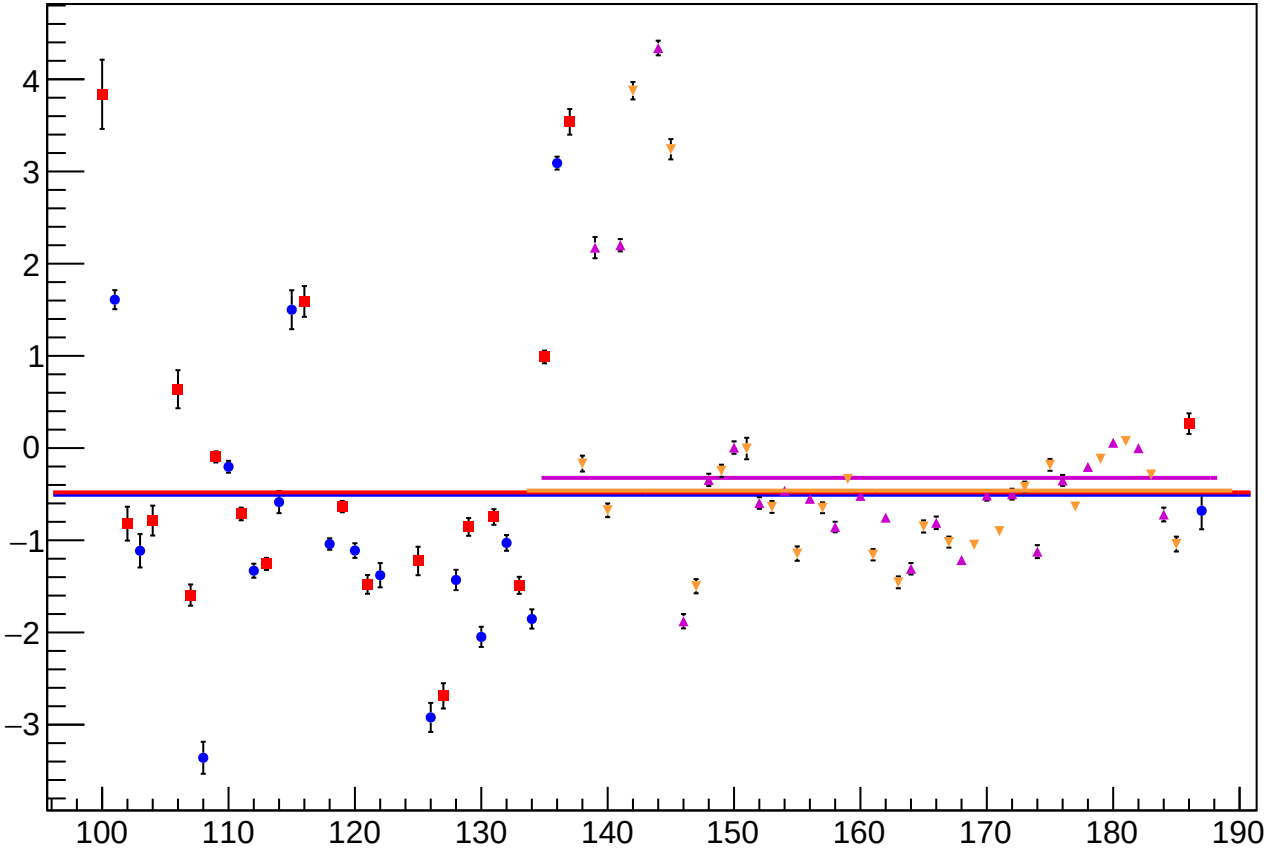
Right: 1.623+/-0.014 χ^2/NDF: 145465.3/35

In: 0.347+/-0.011 χ^2/NDF:205850.9/39

Out: 0.251+/-0.011 χ^2/NDF:203782.9/42

All: 0.298+/-0.008 χ^2/NDF: 409670.4/82

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.506+/-0.024 χ^2/NDF: 4448.0/16

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.481+/-0.022 χ^2/NDF: 2470.5/18

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

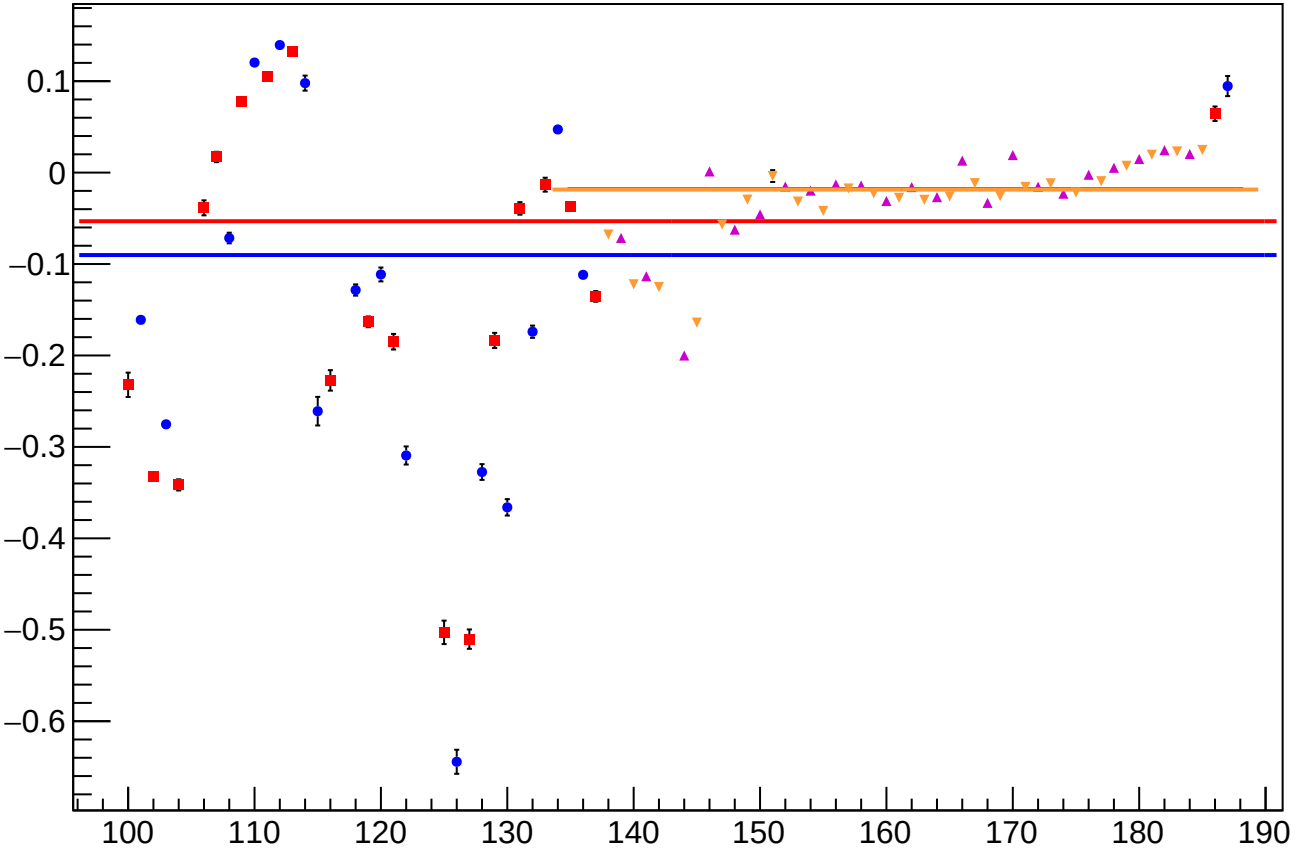
Right: -0.493+/-0.016 χ^2/NDF: 6919.1/35

In: -0.360+/-0.011 χ^2/NDF:11378.0/39

Out: -0.466+/-0.011 χ^2/NDF:7051.1/42

All: -0.412+/-0.008 χ^2/NDF: 18477.7/82

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.090+/-0.001 χ^2/NDF: 12029.3/16

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: -0.053+/-0.001 χ^2/NDF: 14682.7/18

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

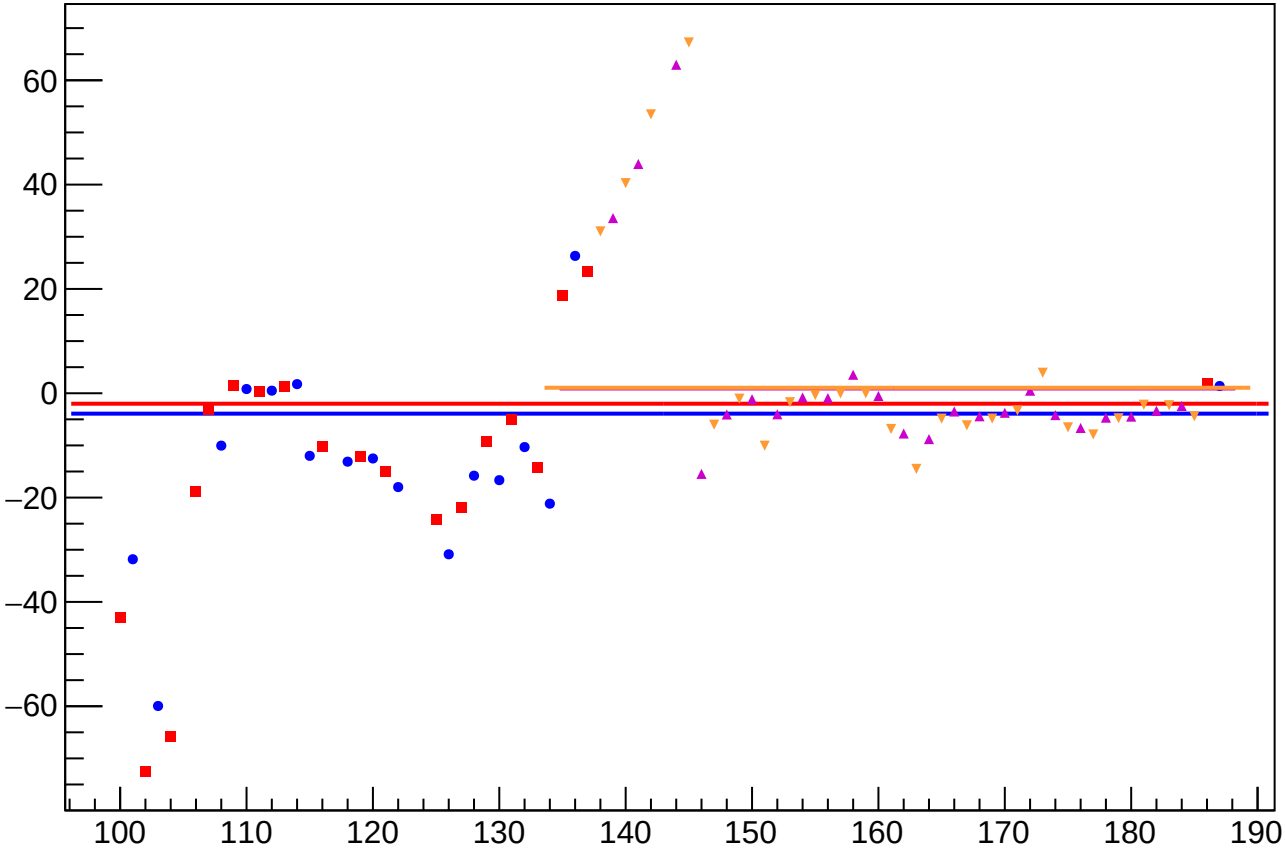
Right: -0.070+/-0.001 χ^2/NDF: 27089.3/35

In: -0.026+/-0.000 χ^2/NDF:19244.8/39

Out: -0.024+/-0.001 χ^2/NDF:19523.0/42

All: -0.025+/-0.000 χ^2/NDF: 38782.8/82

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.909+/-0.053 χ^2/NDF: 75888.4/16

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: -2.005+/-0.045 χ^2/NDF: 80122.8/18

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

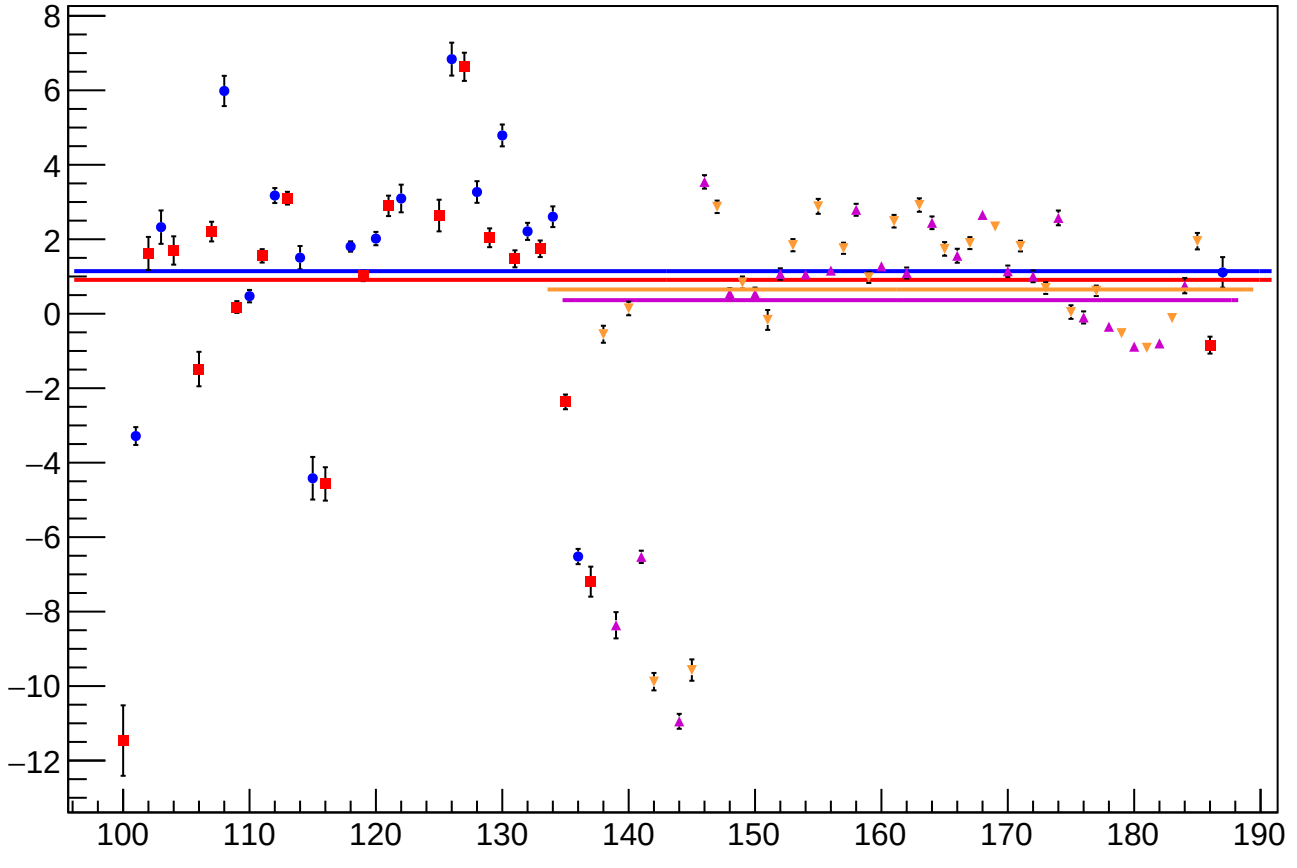
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: -2.792+/-0.034 χ^2/NDF: 156765.0/35

In: -0.817+/-0.032 χ^2/NDF:213987.6/39

Out: -0.328+/-0.030 χ^2/NDF:213716.5/42

All: -0.558+/-0.022 χ^2/NDF: 427829.1/82



Right In: 1.144+/-0.059 χ^2/NDF: 2595.3/16

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.910+/-0.055 χ^2/NDF: 1654.4/18

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

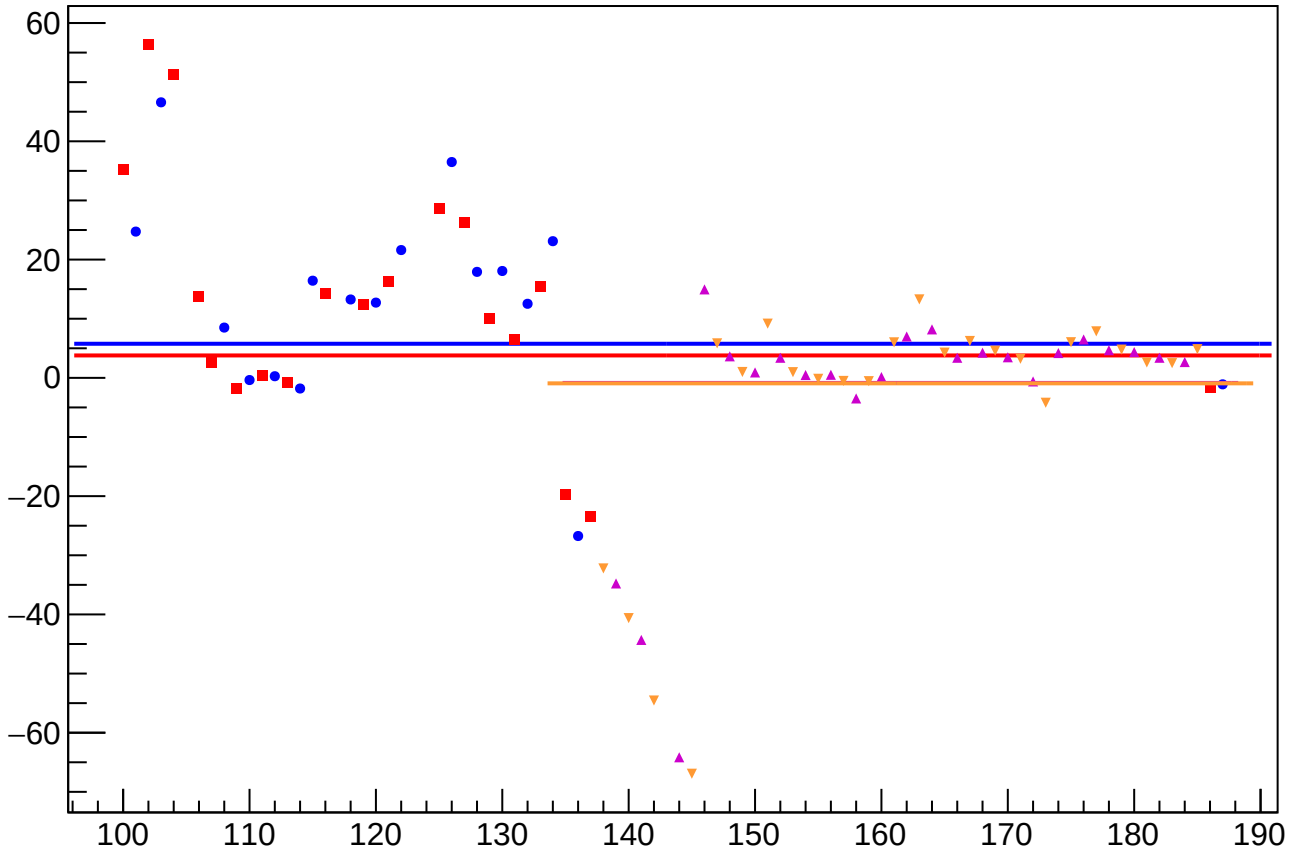
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 1.018+/-0.041 χ^2/NDF: 4258.0/35

In: 0.533+/-0.028 χ^2/NDF:9852.1/39

Out: 0.720+/-0.028 χ^2/NDF:6379.3/42

All: 0.624+/-0.020 χ^2/NDF: 16253.4/82



Right In: 5.766+/-0.062 χ^2/NDF: 72035.1/16

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: 3.791+/-0.055 χ^2/NDF: 76010.5/18

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

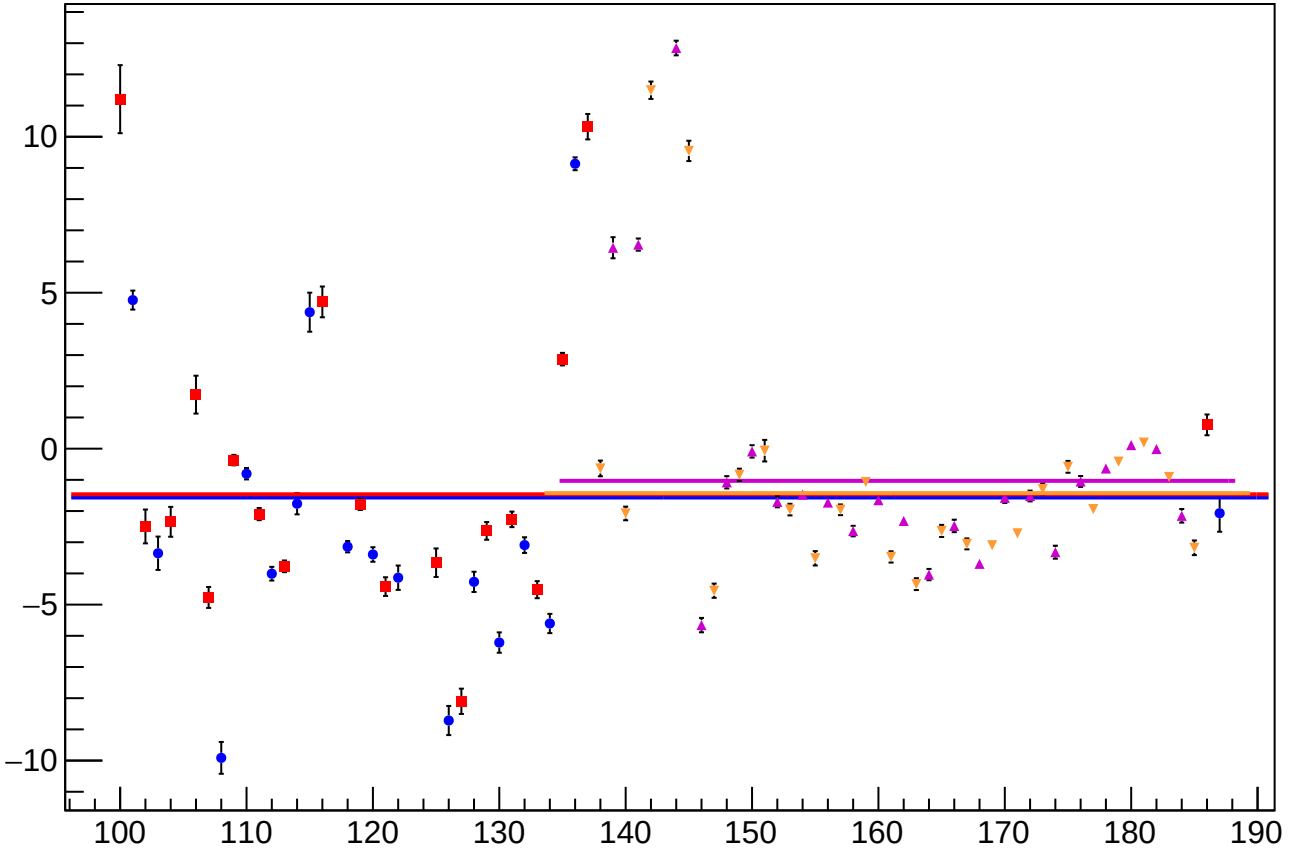
Right: 4.658+/-0.041 χ^2/NDF: 148617.1/35

In: 1.039+/-0.033 χ^2/NDF:209701.8/39

Out: 0.742+/-0.033 χ^2/NDF:207173.0/42

All: 0.888+/-0.023 χ^2/NDF: 416915.7/82

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.565+/-0.069 χ^2/NDF: 4543.8/16

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -1.463+/-0.063 χ^2/NDF: 2516.3/18

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

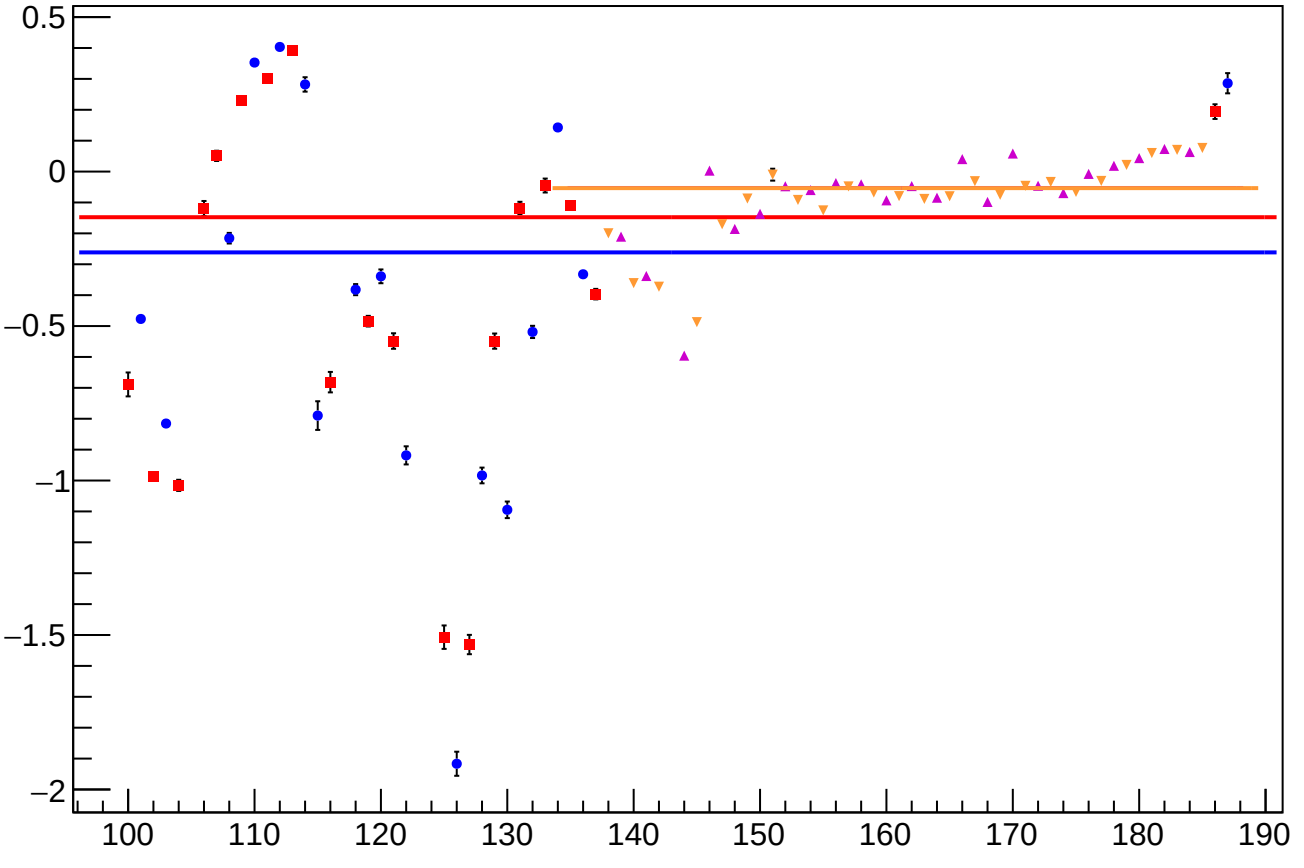
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -1.510+/-0.047 χ^2/NDF: 7061.3/35

In: -1.140+/-0.031 χ^2/NDF:11643.0/39

Out: -1.434+/-0.032 χ^2/NDF:7156.1/42

All: -1.284+/-0.022 χ^2/NDF: 18843.2/82



Right In: -0.262+/-0.004 χ^2/NDF: 12381.8/16

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: -0.148+/-0.004 χ^2/NDF: 15242.6/18

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

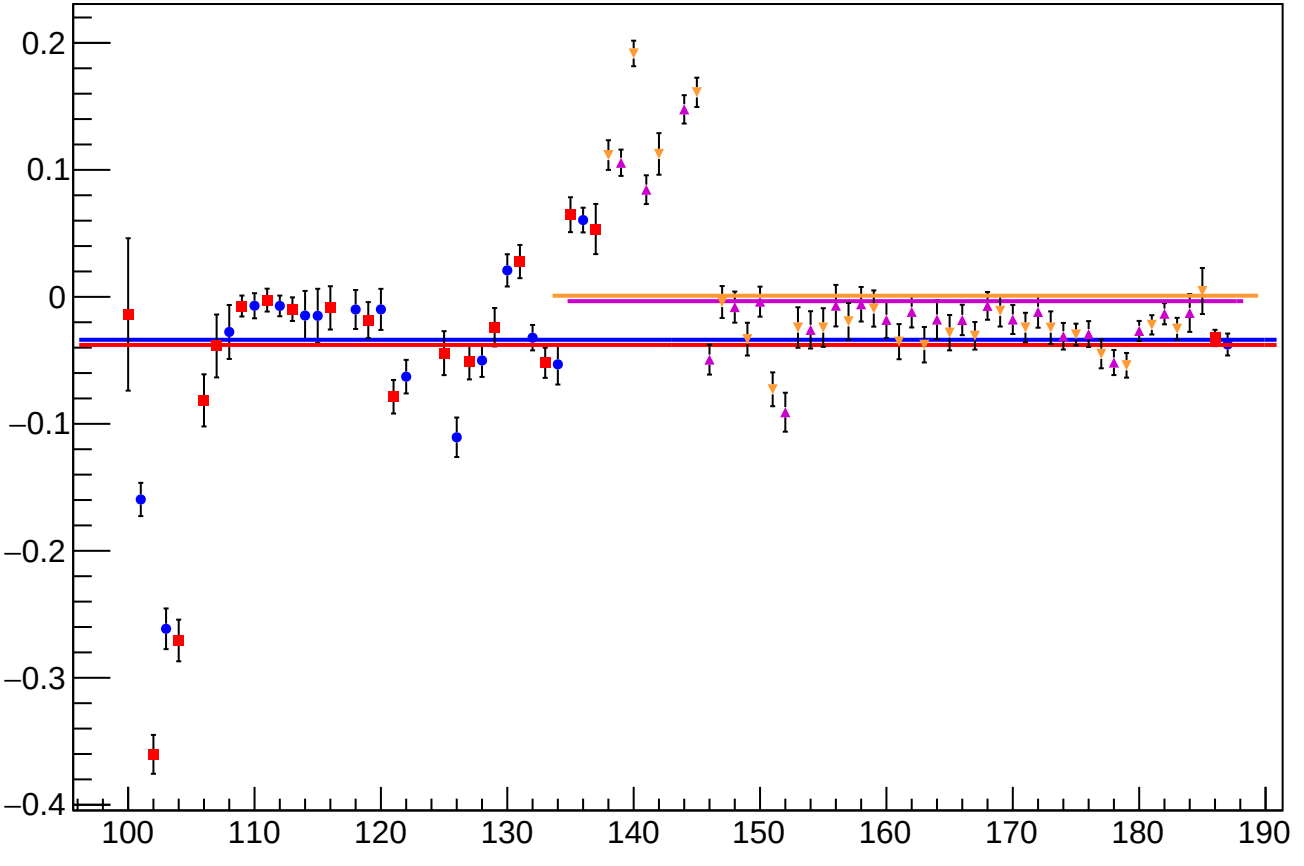
Right: -0.199+/-0.003 χ^2/NDF: 28044.8/35

In: -0.077+/-0.001 χ^2/NDF:19675.2/39

Out: -0.068+/-0.001 χ^2/NDF:20119.7/42

All: -0.073+/-0.001 χ^2/NDF: 39815.9/82

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.034+/-0.003 χ^2/NDF: 463.7/16

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.038+/-0.003 χ^2/NDF: 808.5/18

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

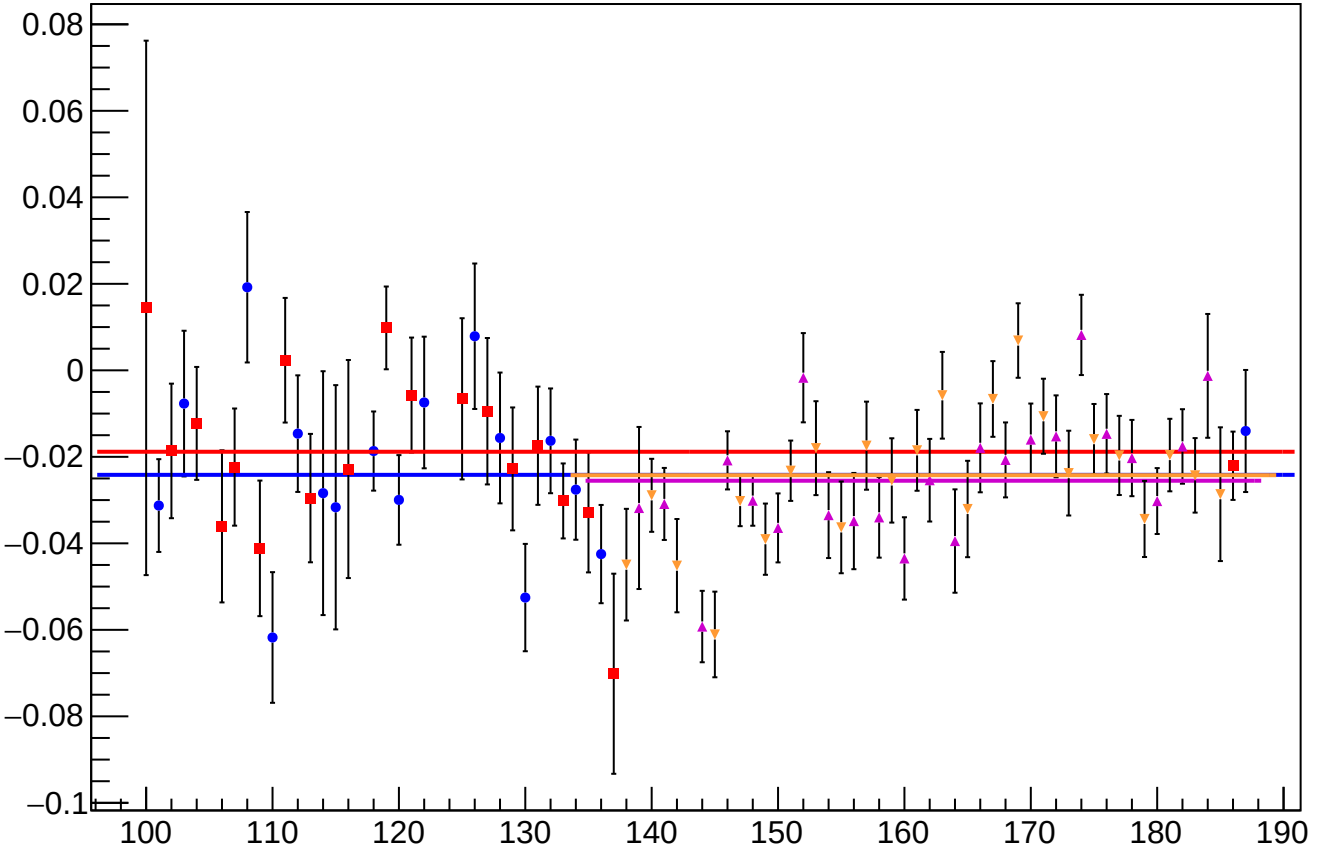
Right: -0.036+/-0.002 χ^2/NDF: 1273.2/35

In: -0.015+/-0.002 χ^2/NDF:983.9/39

Out: -0.015+/-0.002 χ^2/NDF:1766.6/42

All: -0.015+/-0.001 χ^2/NDF: 2750.5/82

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.003 χ^2/NDF: 29.1/16

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.019+/-0.003 χ^2/NDF: 24.9/18

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

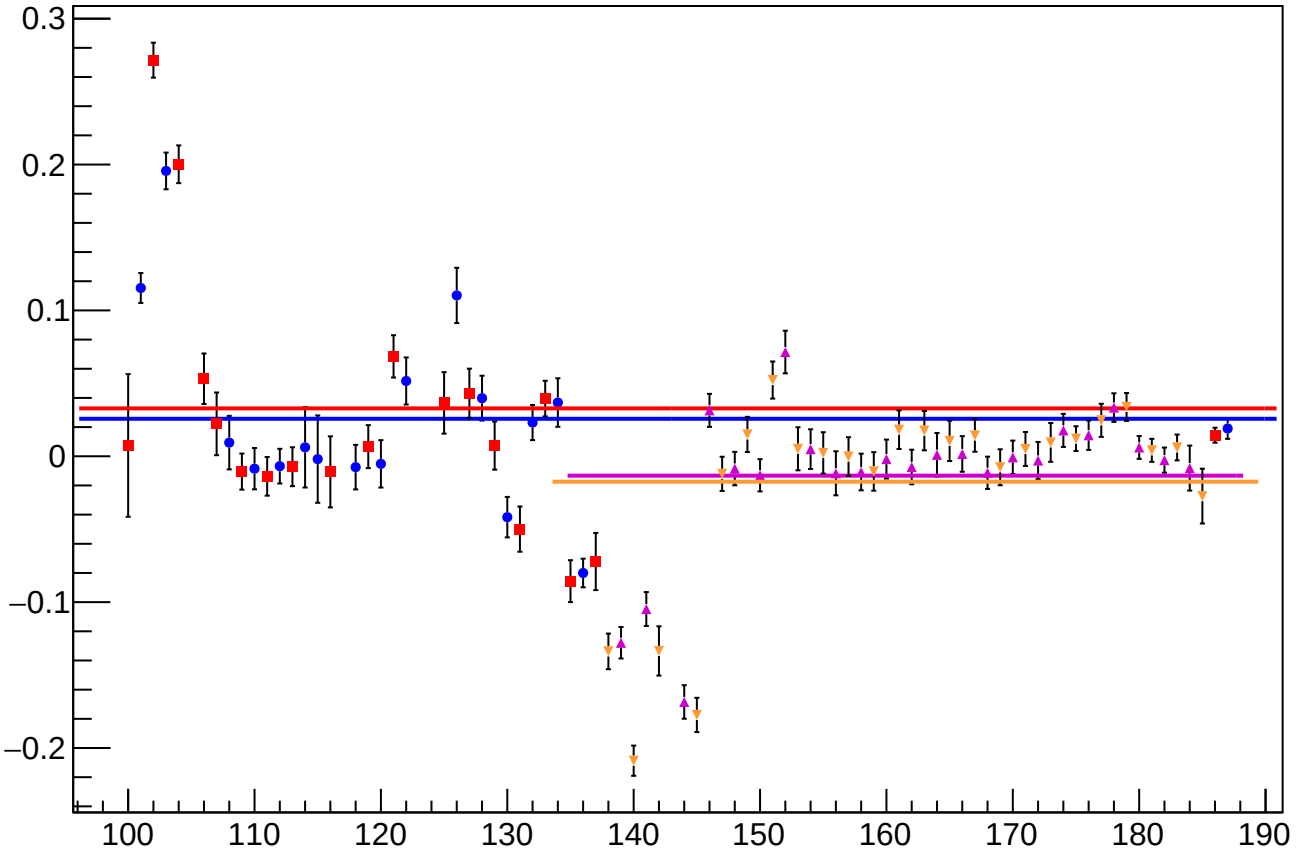
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

Right: -0.021+/-0.002 χ^2/NDF: 55.4/35

In: -0.025+/-0.002 χ^2/NDF:84.2/39

Out: -0.023+/-0.002 χ^2/NDF:80.9/42

All: -0.024+/-0.001 χ^2/NDF: 166.2/82



Right In: 0.026+/-0.003 χ^2/NDF: 447.2/16

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.033+/-0.003 χ^2/NDF: 752.6/18

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

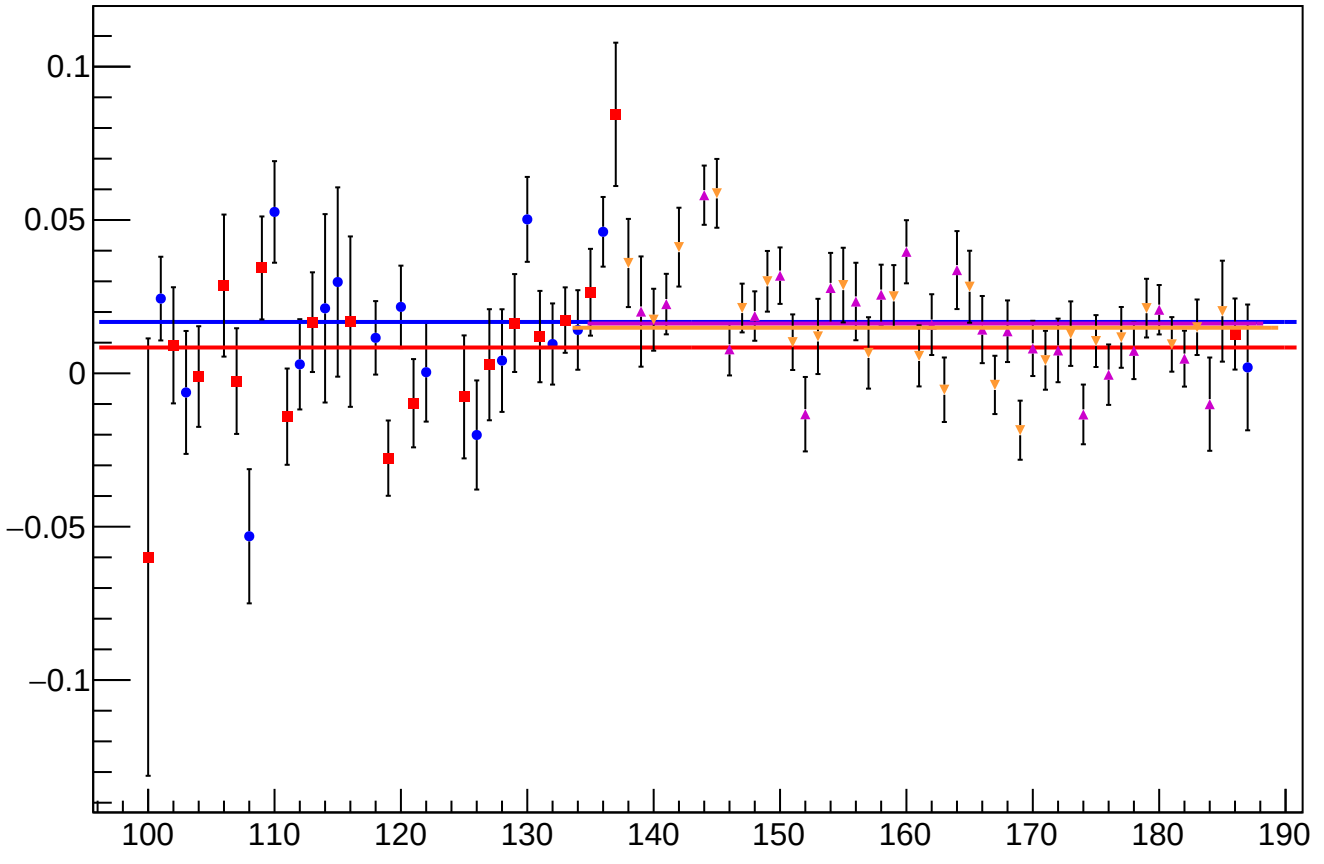
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.030+/-0.002 χ^2/NDF: 1202.4/35

In: 0.001+/-0.002 χ^2/NDF:1001.6/39

Out: 0.002+/-0.002 χ^2/NDF:1739.3/42

All: 0.001+/-0.001 χ^2/NDF: 2741.2/82



Right In: 0.017+/-0.004 χ^2/NDF: 37.2/16

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

Right Out: 0.008+/-0.004 χ^2/NDF: 31.5/18

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

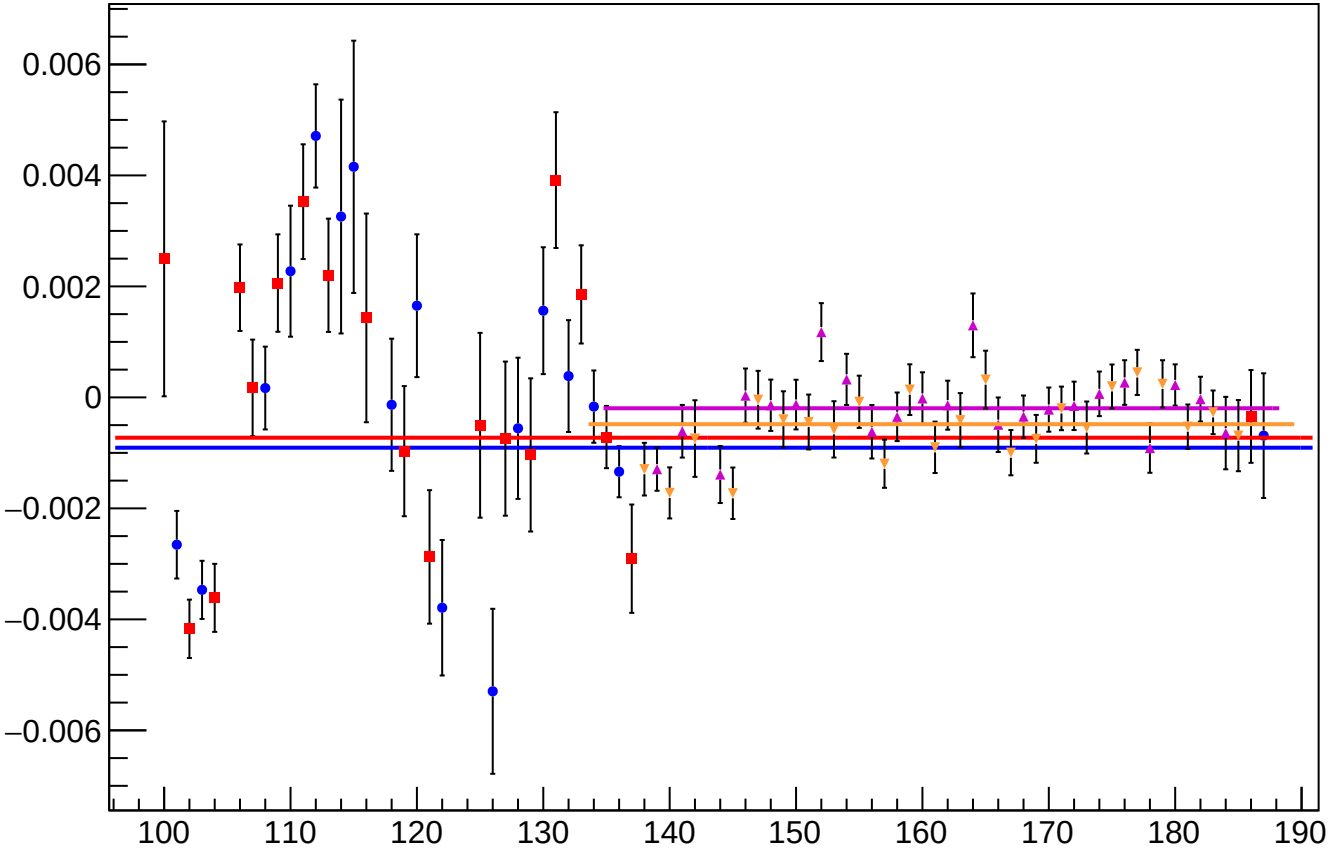
Right: 0.013+/-0.003 χ^2/NDF: 71.2/35

In: 0.016+/-0.002 χ^2/NDF:95.2/39

Out: 0.013+/-0.002 χ^2/NDF:85.9/42

All: 0.015+/-0.001 χ^2/NDF: 182.5/82

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.001+/-0.000 χ^2/NDF: 147.8/18

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

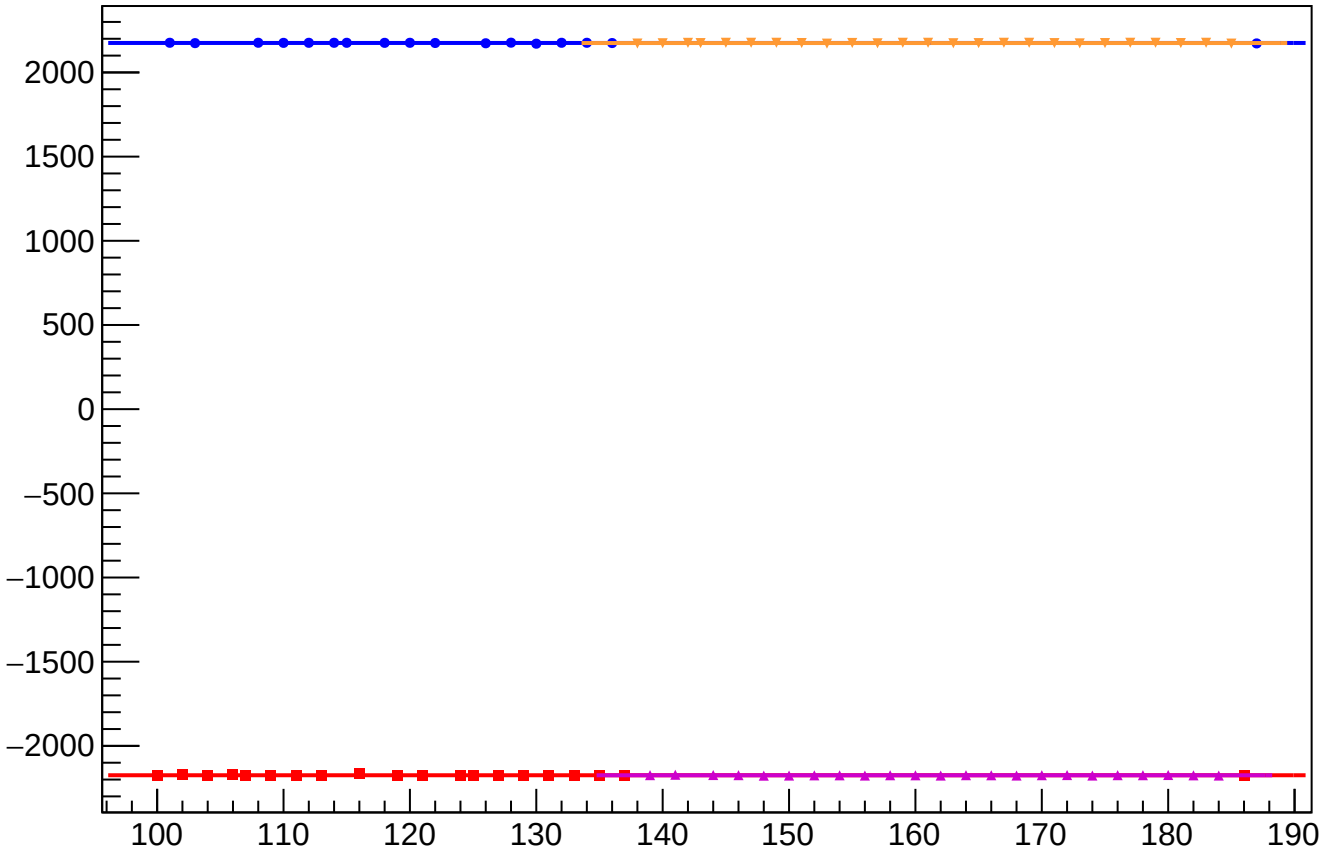
Right: -0.001+/-0.000 χ^2/NDF: 262.3/35

In: -0.000+/-0.000 χ^2/NDF:161.0/39

Out: -0.001+/-0.000 χ^2/NDF:189.8/42

All: -0.000+/-0.000 χ^2/NDF: 353.9/82

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.131+/-0.000 χ^2/NDF: 191078996952697363009681250005811 2.0/16

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.427+/-0.000 χ^2/NDF: 56989416152240237595273342473994 24.0/19

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

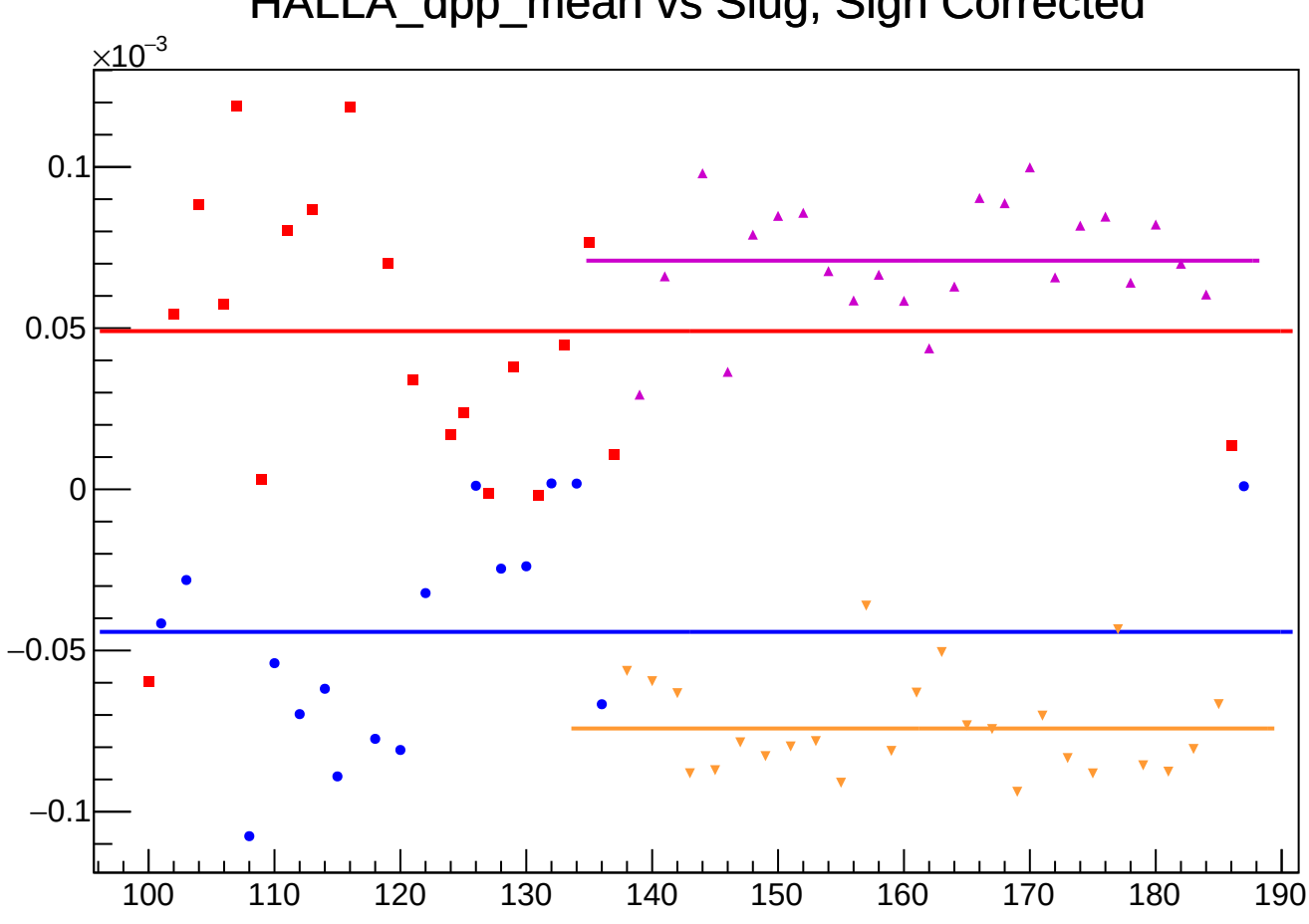
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315

Right: -62.182+/-0.000 χ^2/NDF: 739581281500177

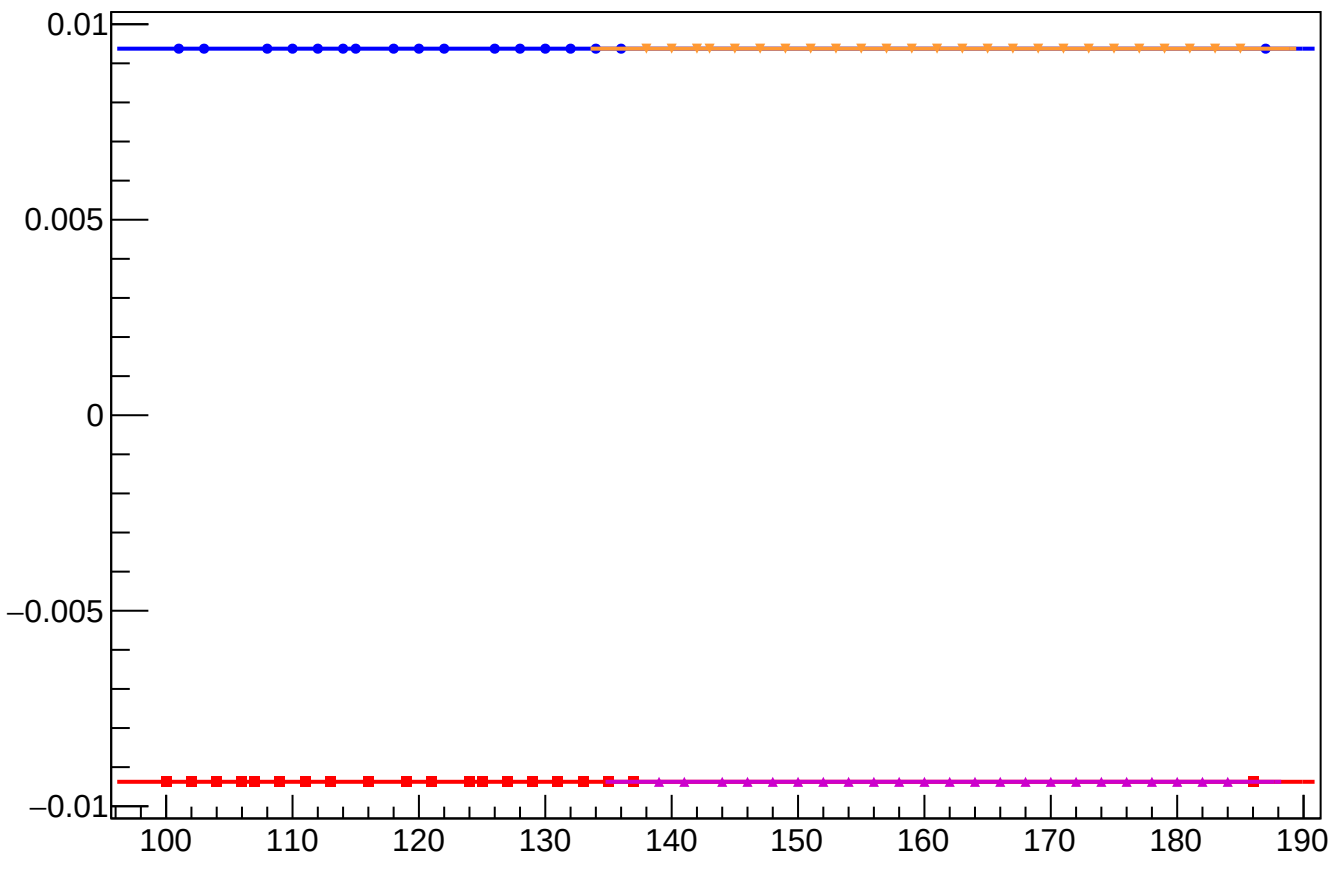
In: -934.597+/-0.000 χ^2/NDF:1028006682671122

Out: 934.472+/-0.000 χ^2/NDF:108842718452131

All: 26.668+/-0.000 χ^2/NDF: 259542622201


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
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 752912108436423874445312.0/16
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 106773199867494489548390 4.0/19
Left In: 0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 52236516797565111
In: 0.000+/-0.000 χ²/NDF:858903317111354654 3
Out: -0.000+/-0.000 χ²/NDF:10283209996334027
All: -0.000+/-0.000 χ²/NDF: 270317266193 5

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/19

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

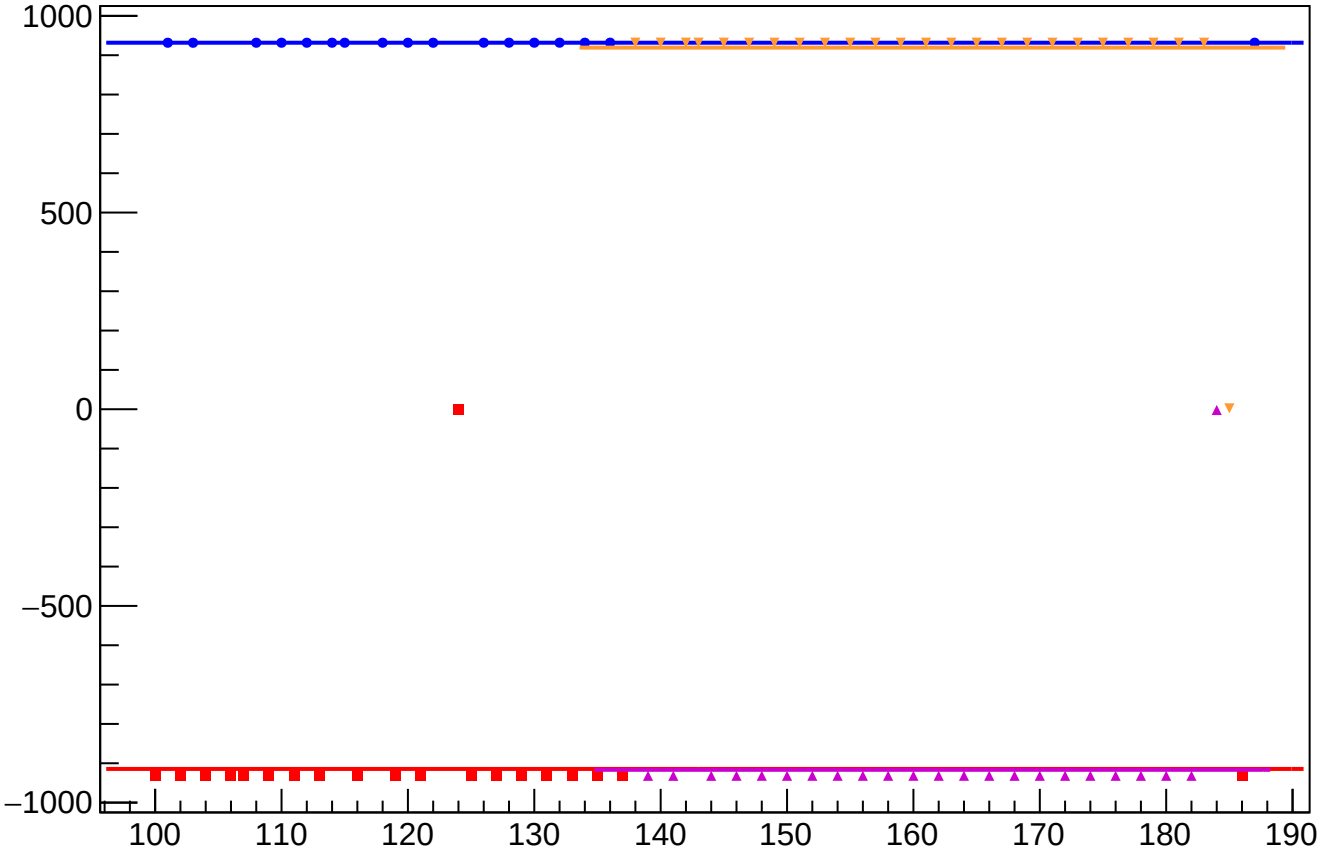
Right: -0.000+/-0.000 χ^2/NDF: 1374351038338657

In: -0.004+/-0.000 χ^2/NDF:191020020630157096

Out: 0.004+/-0.000 χ^2/NDF:202305974362380035

All: 0.000+/-0.000 χ^2/NDF: 48235976213791

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.771+/-0.000 χ^2/NDF: 2846654780868957546868142768128.0/16

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -914.408+/-0.000 χ^2/NDF: 127793933745799452730813856074642227 20.0/19

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

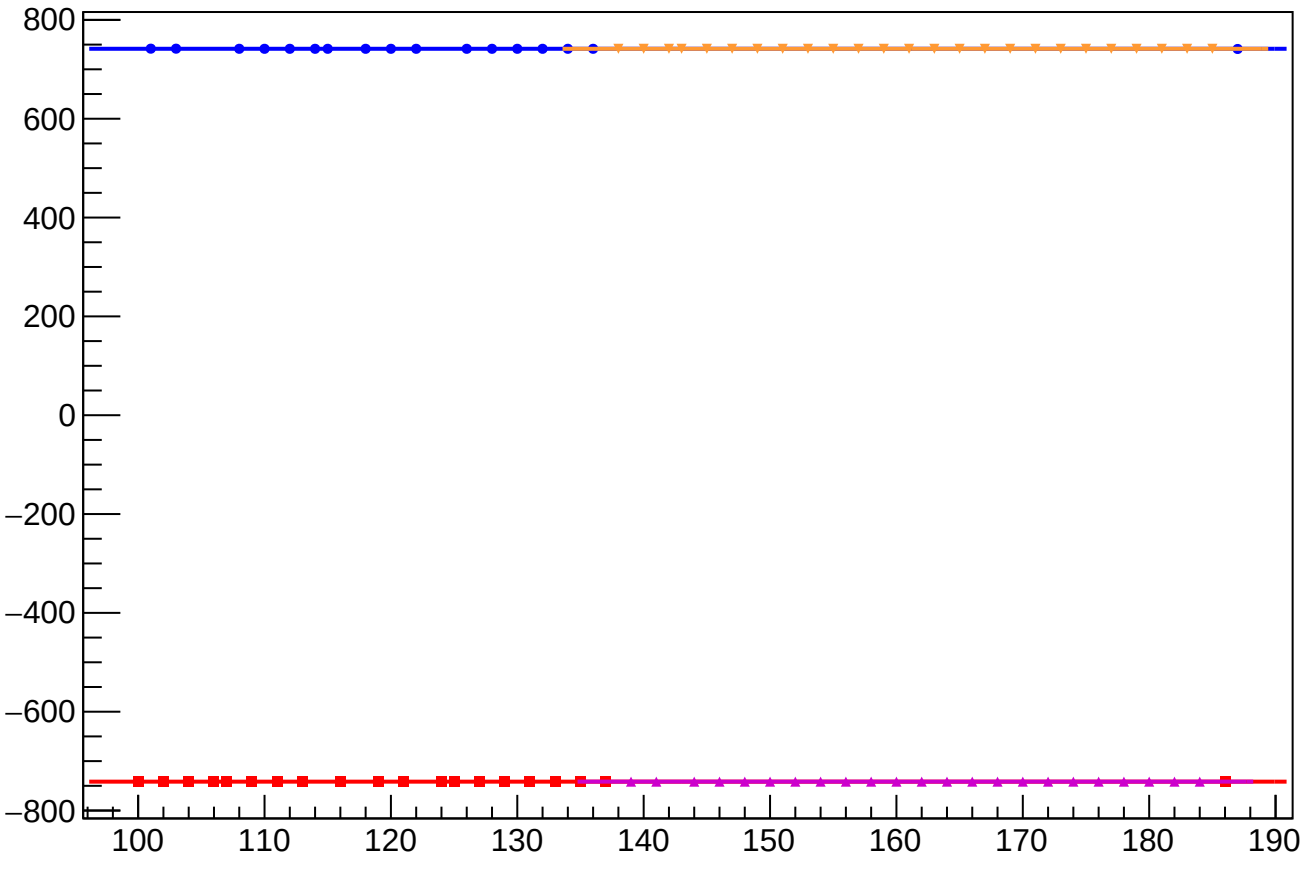
Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

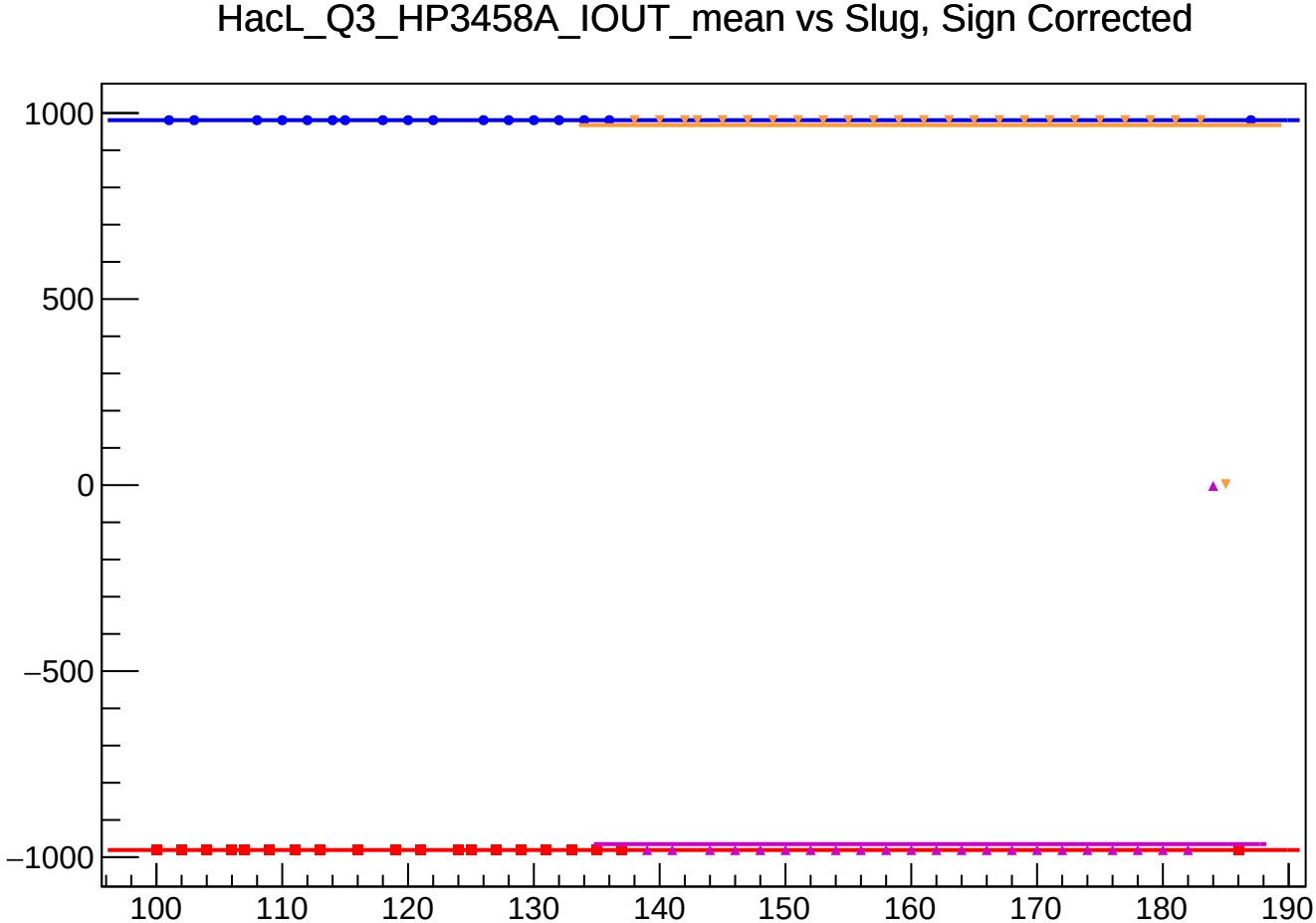
Right: -17.861+/-0.000 χ^2/NDF: 1345204401044830

In: -389.721+/-0.000 χ^2/NDF:1882806043082395

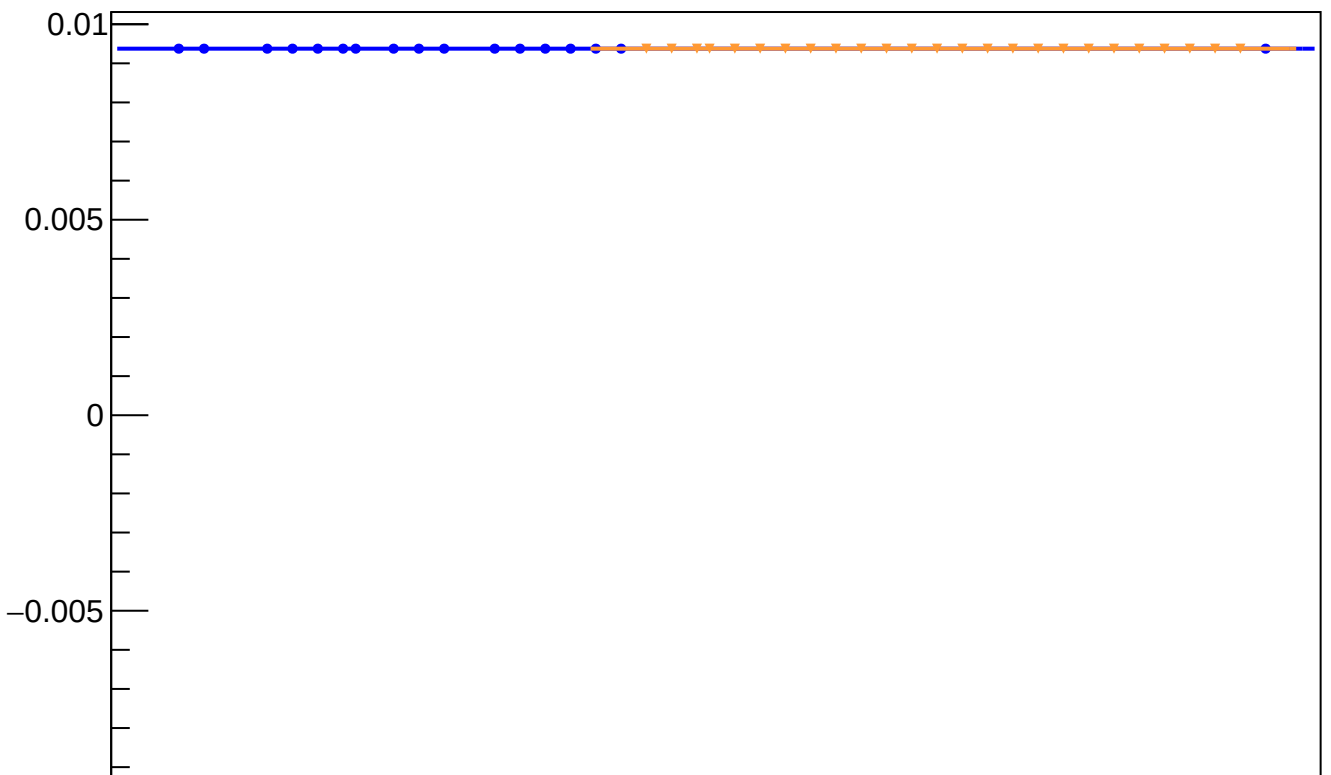
Out: 396.438+/-0.000 χ^2/NDF:1970836669462828

All: 14.601+/-0.000 χ^2/NDF: 4701063202038


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
170
180
190
Right In: 741.559+/-0.000 χ²/NDF: 947090452511535159119197713203 2.0/16
Left Out: 741.513+/-0.000 χ²/NDF:2519763107681262962318896005 12.0/24
Right Out: -741.555+/-0.000 χ²/NDF: 1431590375320572448928804162764 8.0/19
Left In: -741.513+/-0.000 χ²/NDF:2347039830300854231858958827 52.0/22
Left: 21.165+/-0.000 χ²/NDF: 215581911834256 32
Right: -21.321+/-0.000 χ²/NDF: 85989284088066 6
In: -318.732+/-0.000 χ²/NDF:11950894471874 33
Out: 318.605+/-0.000 χ²/NDF:12656935159915 85
All: 9.051+/-0.000 χ²/NDF: 3017731428554 8


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 980.804+/-0.000 χ²/NDF: 9342394201596214238803530874880.0/16
Left Out: 967.677+/-0.000 χ²/NDF:2550515560327992564154129577963369267 2.0/24
Right Out: -980.740+/-0.000 χ²/NDF: 595169208716743723837572052418 56.0/19
Left In: -964.854+/-0.000 χ²/NDF:29215838960103078784112845628245016576.0/22
Left: 28.991+/-0.000 χ²/NDF: 37154523356806808
Right: -28.169+/-0.000 χ²/NDF: 1504150662838760
In: -410.203+/-0.000 χ²/NDF:2086097987555687
Out: 412.071+/-0.000 χ²/NDF:2210094861501325
All: 12.694+/-0.000 χ²/NDF: 5223258377899

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/19

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

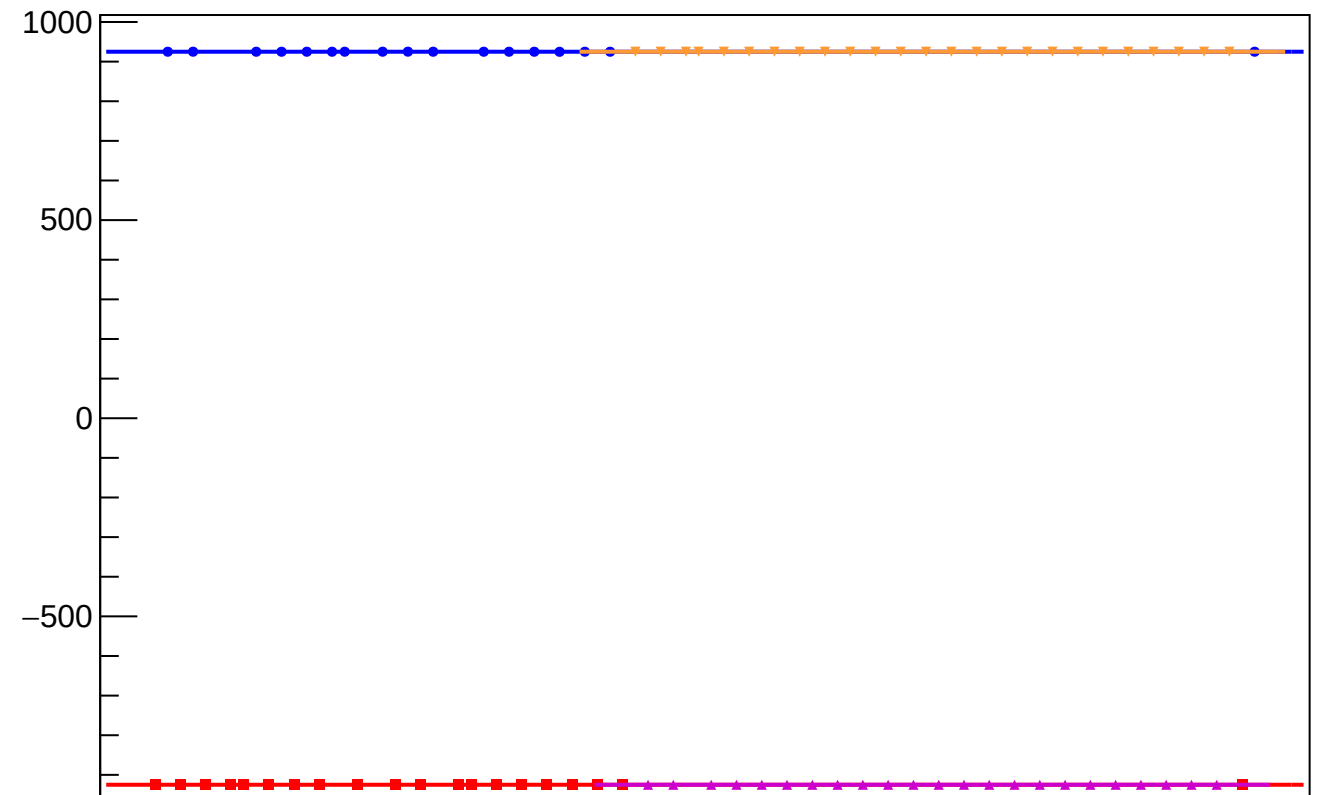
Right: -0.000+/-0.000 χ^2/NDF: 1374351038338657

In: -0.004+/-0.000 χ^2/NDF:191020020630157096

Out: 0.004+/-0.000 χ^2/NDF:202305974362380035

All: 0.000+/-0.000 χ^2/NDF: 48235976213791

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.968+/-0.000 χ^2/NDF: 259552584341615472852040941568 0.0/16

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.976+/-0.000 χ^2/NDF: 1329663985072226736369995612160.0/19

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

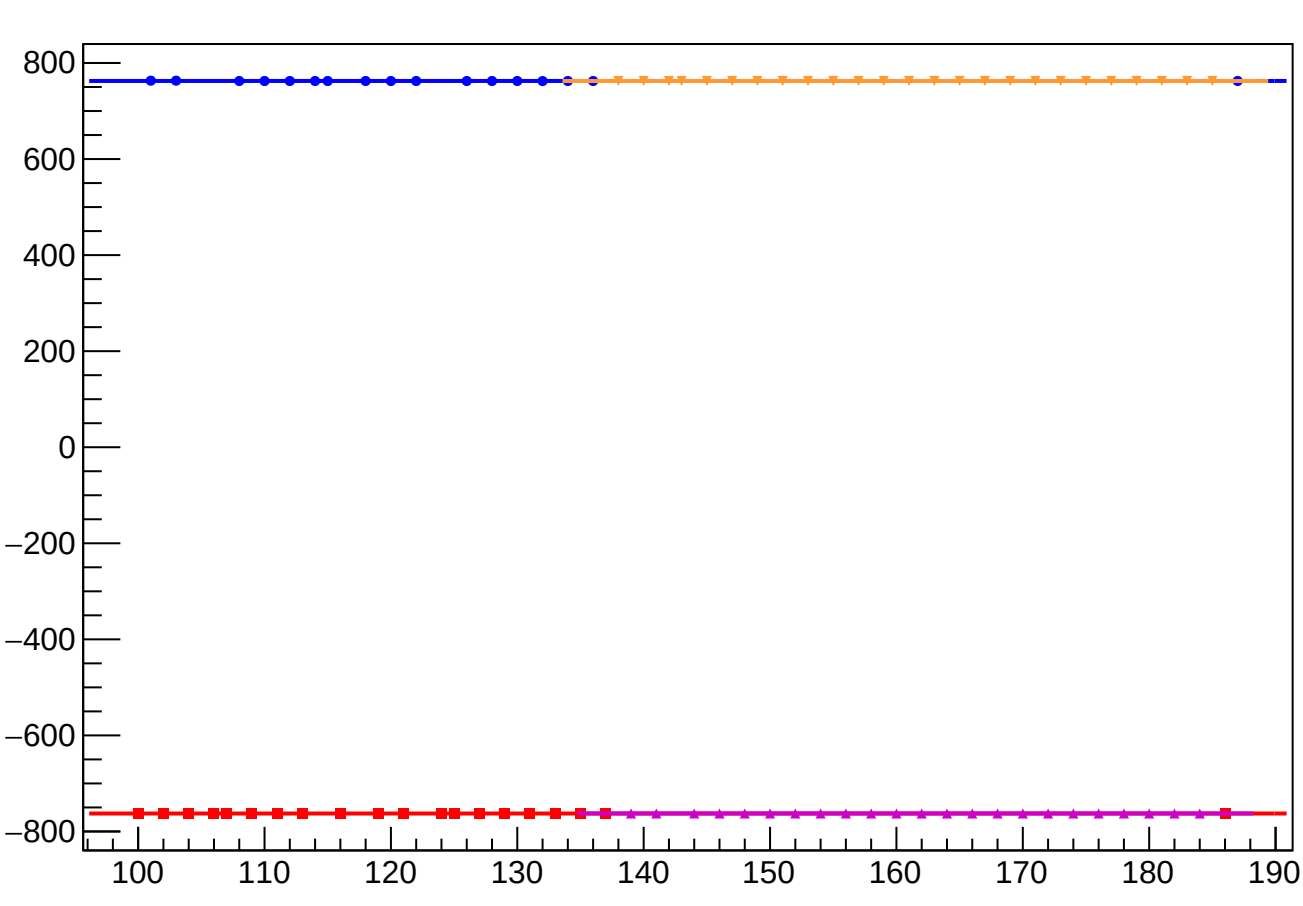
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

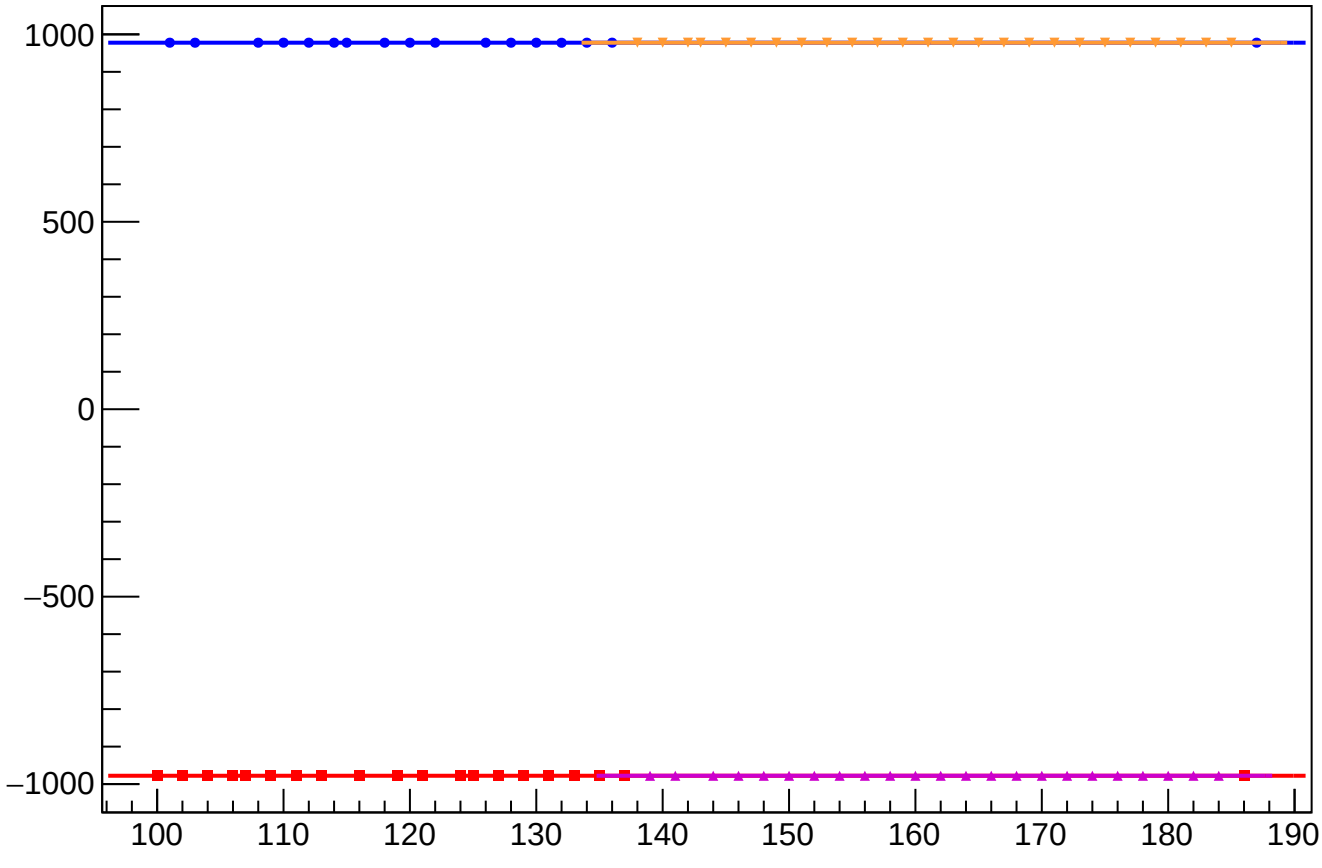
Right: -26.601+/-0.000 χ^2/NDF: 133786503754439

In: -397.615+/-0.000 χ^2/NDF:1859501691356095

Out: 397.453+/-0.000 χ^2/NDF:196938554981315

All: 11.289+/-0.000 χ^2/NDF: 469562315948


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
190
Right In: 762.610+/-0.000 χ²/NDF: 52185551038274865981171748044800.0/16
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -762.616+/-0.000 χ²/NDF: 532126229346413380986705448796 16.0/19
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: -21.931+/-0.000 χ²/NDF: 9094174943753110
In: -327.748+/-0.000 χ²/NDF:1263831698873969
Out: 327.615+/-0.000 χ²/NDF:133851176280327
All: 9.306+/-0.000 χ²/NDF: 31912437159900



Right In: 977.750+/-0.000 χ^2/NDF: 2009394290642625494150136463360.0/16

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.750+/-0.000 χ^2/NDF: 1871130278981609075430192578560.0/19

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

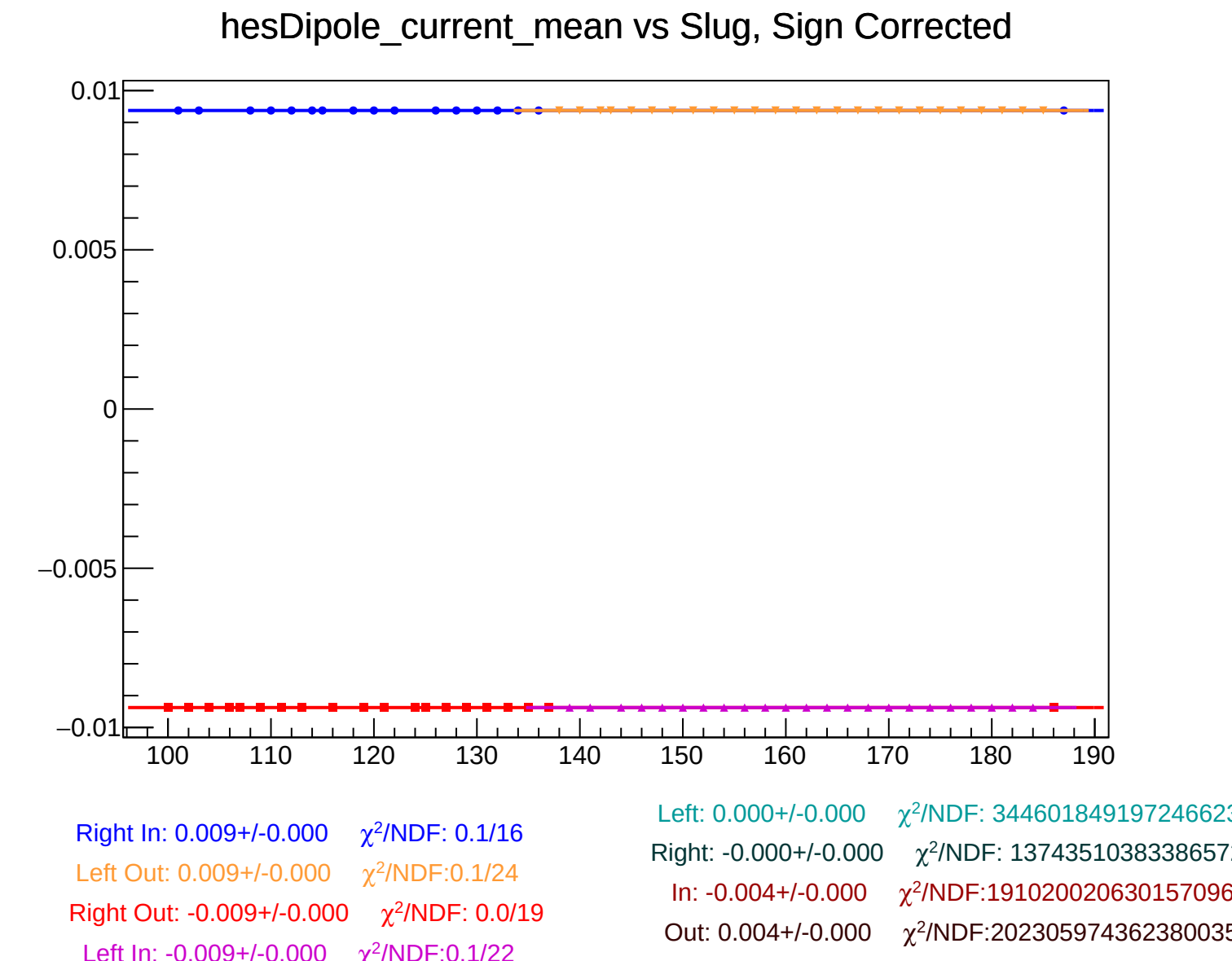
Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

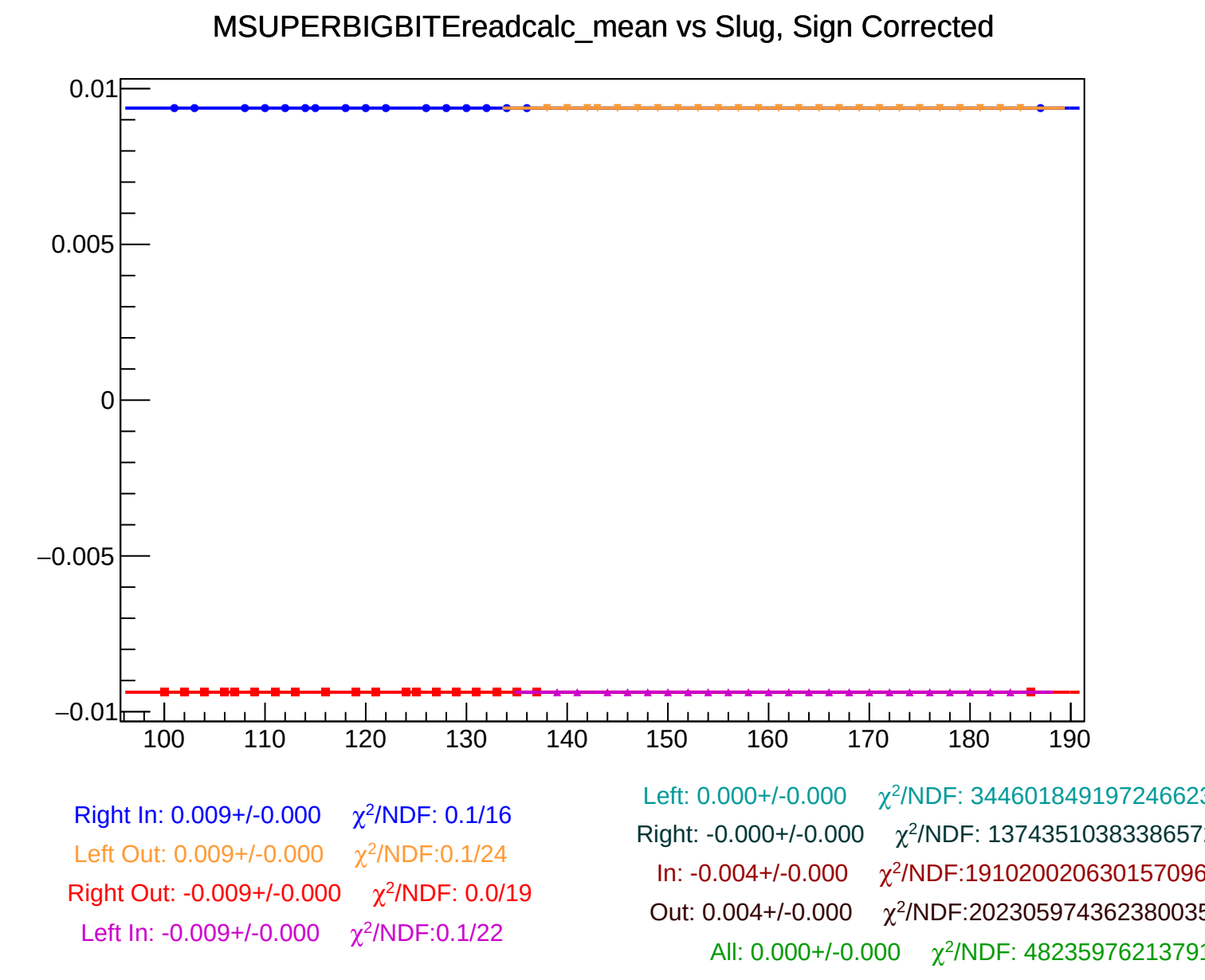
Right: -28.114+/-0.000 χ^2/NDF: 149489568190411

In: -420.282+/-0.000 χ^2/NDF:2077713410587402

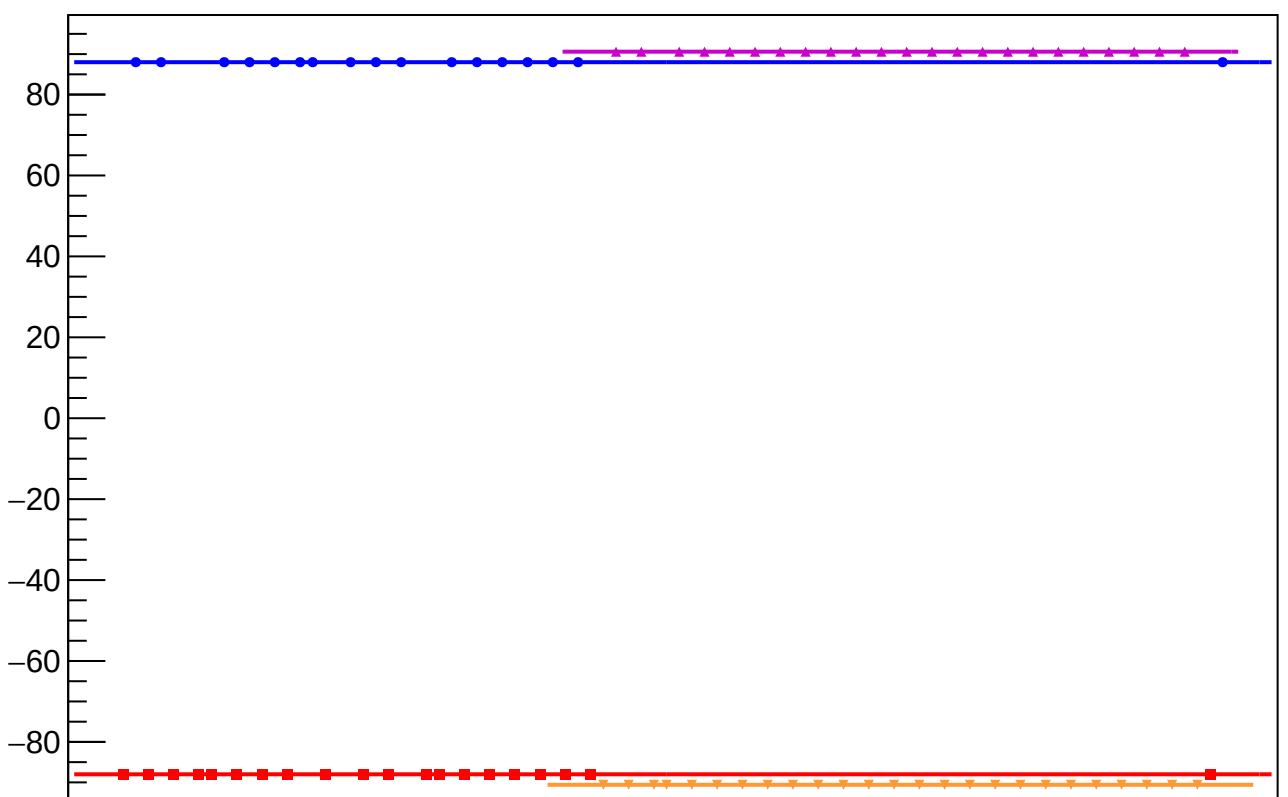
Out: 420.115+/-0.000 χ^2/NDF:220047368230203 8

All: 11.935+/-0.000 χ^2/NDF: 5246571237074


hesDipole_current_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.009+/-0.000 χ²/NDF: 0.1/16
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/19
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 344601849197246623
Right: -0.000+/-0.000 χ²/NDF: 1374351038338657
In: -0.004+/-0.000 χ²/NDF:191020020630157096
Out: 0.004+/-0.000 χ²/NDF:202305974362380035
All: 0.000+/-0.000 χ²/NDF: 48235976213791


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.009+/-0.000 χ²/NDF: 0.1/16
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/19
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 344601849197246623
Right: -0.000+/-0.000 χ²/NDF: 1374351038338657
In: -0.004+/-0.000 χ²/NDF:191020020630157096
Out: 0.004+/-0.000 χ²/NDF:202305974362380035
All: 0.000+/-0.000 χ²/NDF: 48235976213791

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1583275.4/16

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.003+/-0.000 χ^2/NDF: 7351804523065791764839478067 2.0/19

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

Right: -2.532+/-0.000 χ^2/NDF: 12109886022129800

In: 89.859+/-0.000 χ^2/NDF:366904571252156550

Out: -89.859+/-0.000 χ^2/NDF:3878235747624912

All: -2.570+/-0.000 χ^2/NDF: 442927544421 0

HWienAngle_mean vs Slug, Sign Corrected

Right In: -29.099+/-0.000 χ^2/NDF: 1100080293834606846811479025385472.0/16

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.121+/-0.000 χ^2/NDF: 1137183491180145209118769784291328.0/19

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

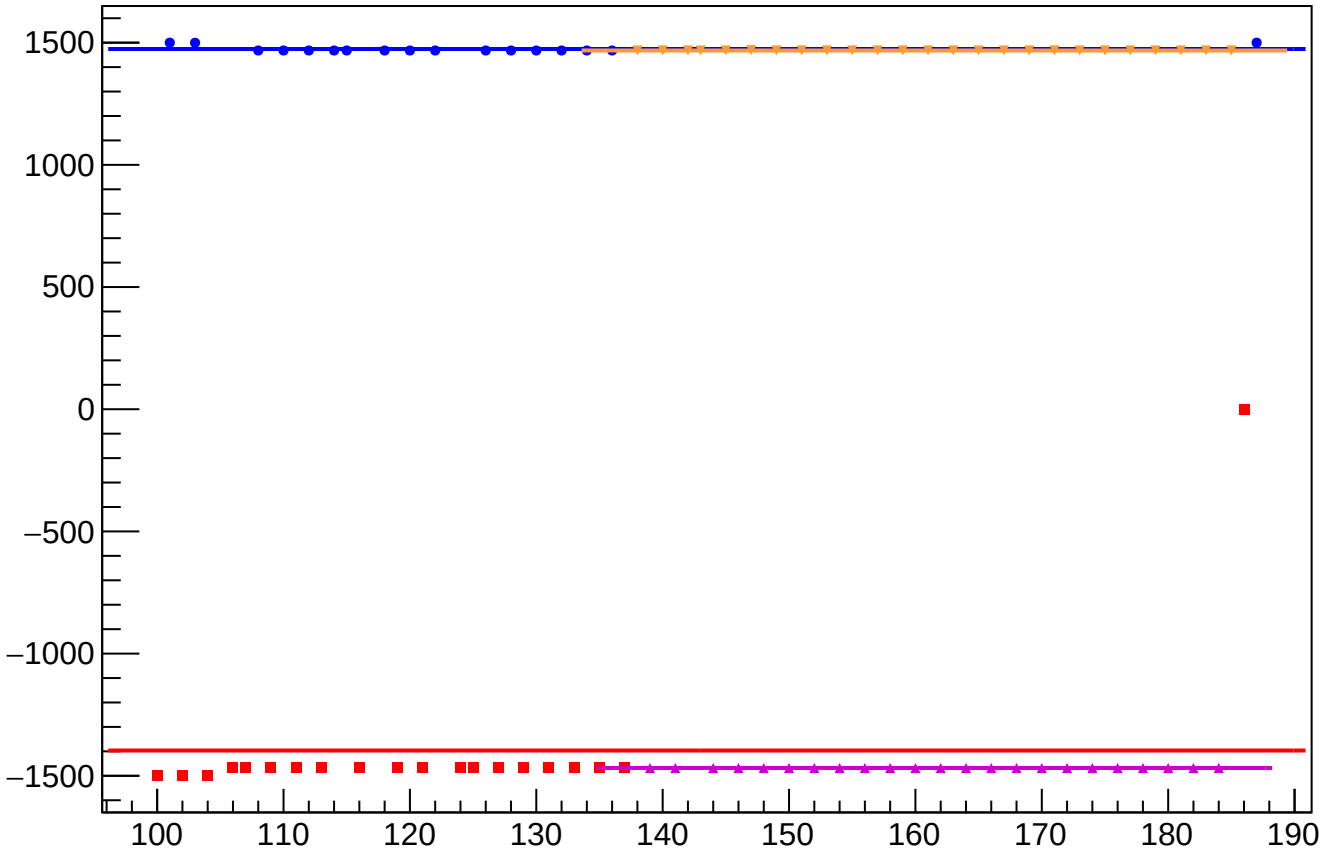
Right: 0.848+/-0.000 χ^2/NDF: 13273449503017457

In: 12.896+/-0.000 χ^2/NDF:18758528720385465

Out: -12.884+/-0.000 χ^2/NDF:1988157360042614

All: -0.363+/-0.000 χ^2/NDF: 4775261243001

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1474.131+/-0.000 χ^2/NDF: 11993604915456463071734471765629337 6.0/16

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1396.521+/-0.000 χ^2/NDF: 865290032175161247211103830466677964 80.0/19

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 8449679330293095

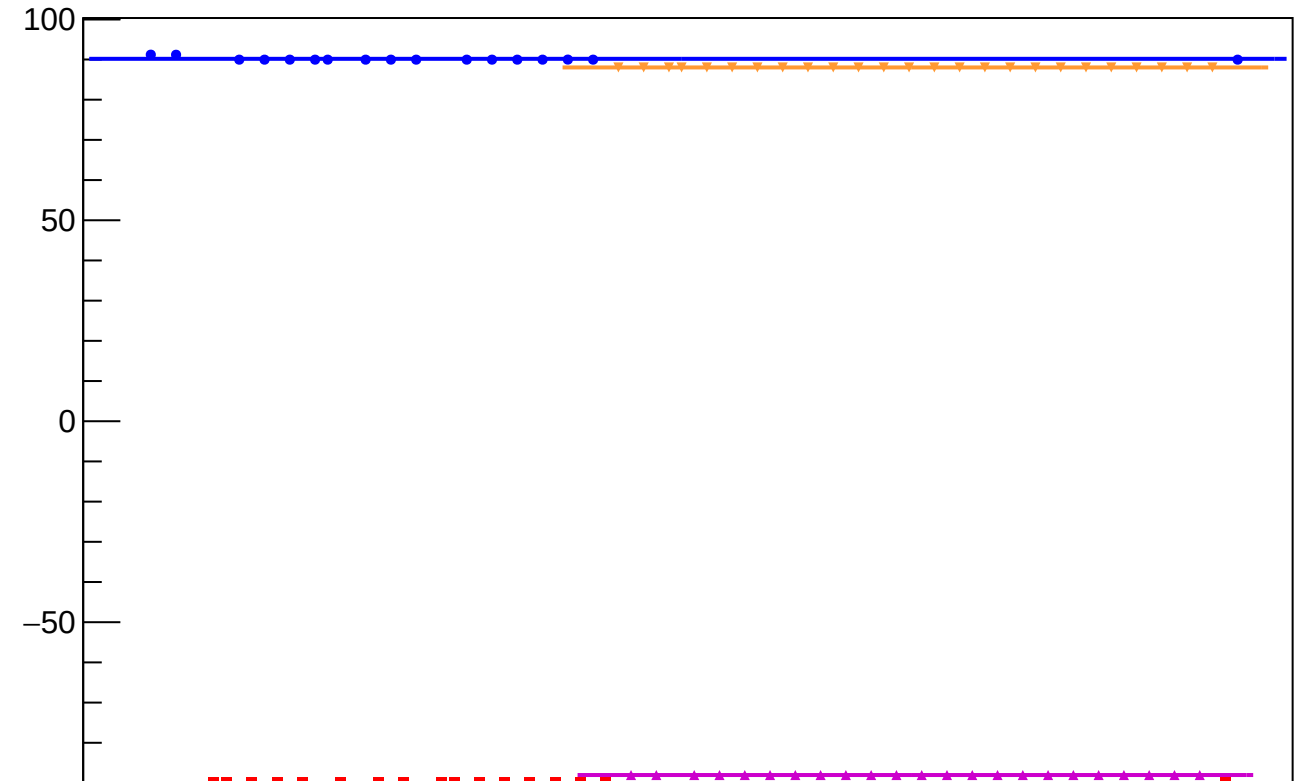
Right: -2.466+/-0.000 χ^2/NDF: 330813414427011

In: -629.278+/-0.000 χ^2/NDF:4703373541412367

Out: 651.196+/-0.000 χ^2/NDF:480852384891434

All: 29.271+/-0.000 χ^2/NDF: 1176001858771

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.167+/-0.000 χ^2/NDF: 160854588795533951885795271901184.0/16

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.158+/-0.000 χ^2/NDF: 16656505639753337126527736322457 6.0/19

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

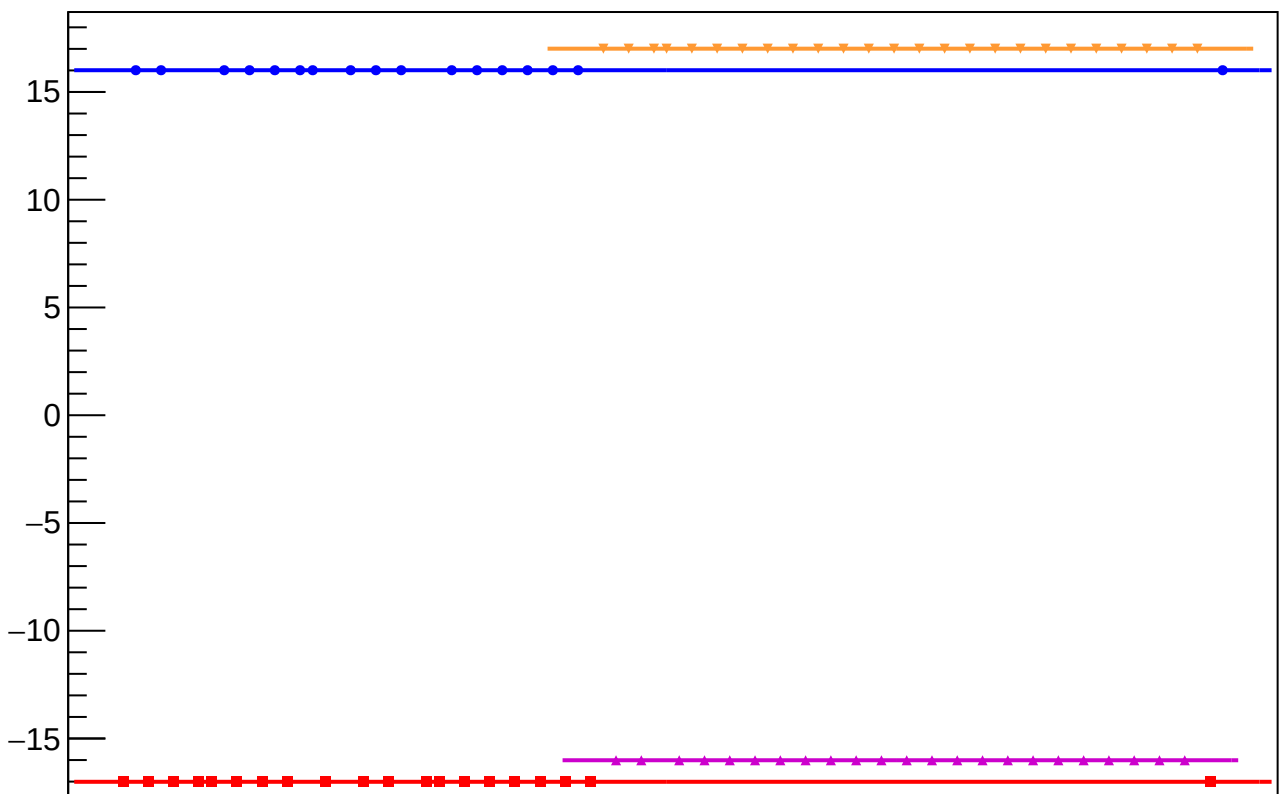
Right: -2.588+/-0.000 χ^2/NDF: 1271218628032949

In: -37.224+/-0.000 χ^2/NDF:17251938548512012

Out: 37.212+/-0.000 χ^2/NDF:18269292748381966

All: 1.058+/-0.000 χ^2/NDF: 43118276321221

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 48076.3/16

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 1424260636380779467348377 6.0/19

Left In: -16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

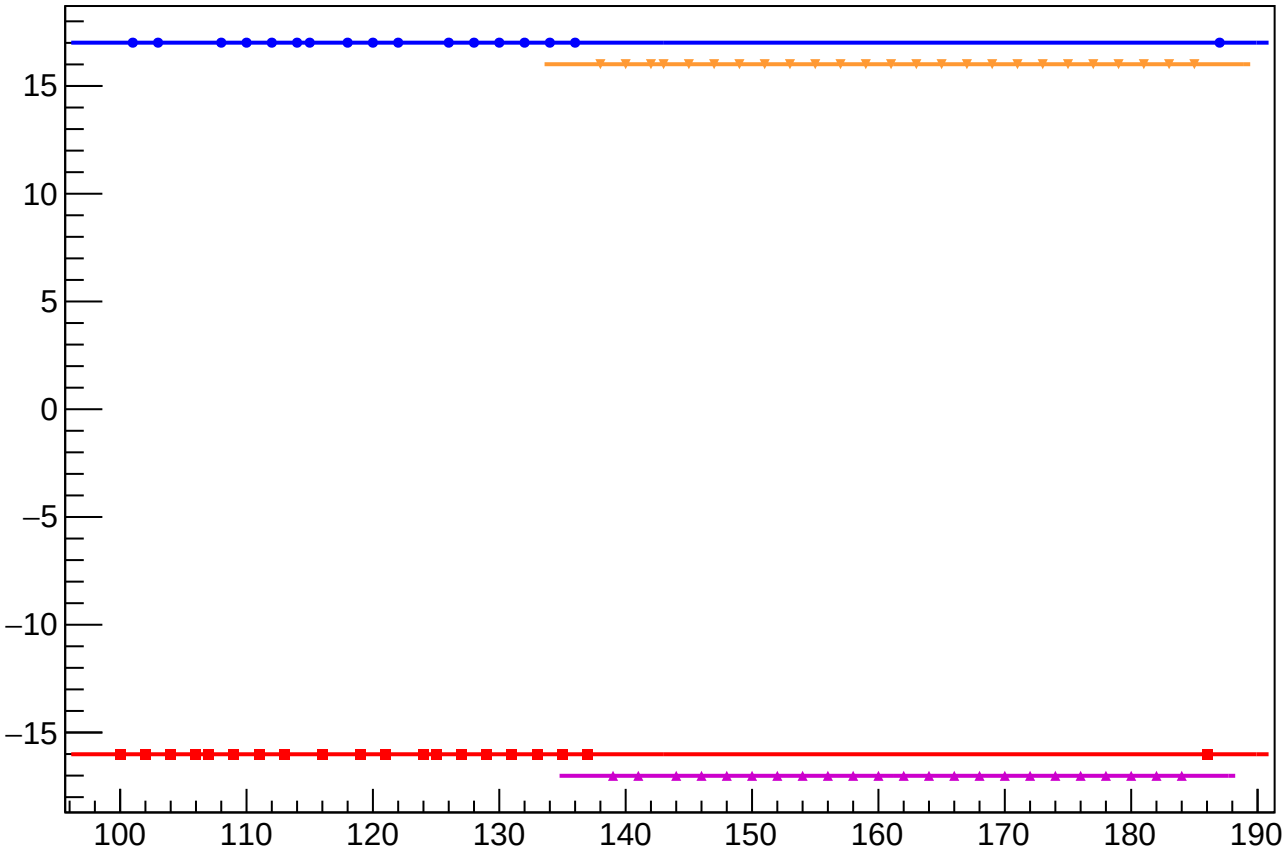
Right: -0.659+/-0.000 χ^2/NDF: 3968075879819105

In: -6.738+/-0.000 χ^2/NDF:525136794745326665

Out: 7.418+/-0.000 χ^2/NDF:610778301647322162

All: 0.503+/-0.000 χ^2/NDF: 13911444351757

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 115880.5/16

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 50714.3/19

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

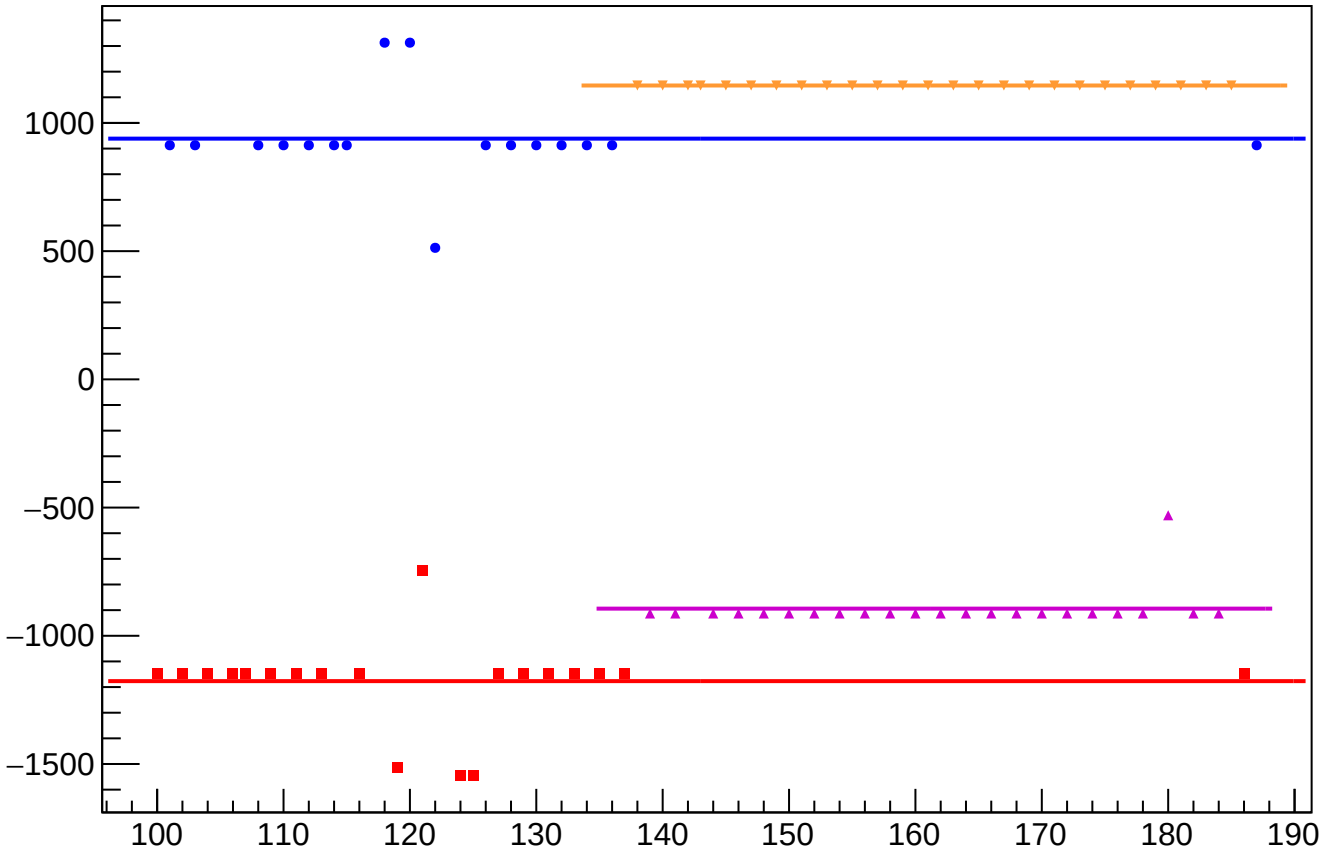
Right: -0.311+/-0.000 χ^2/NDF: 4151942743076194

In: -7.459+/-0.000 χ^2/NDF:604307111127667707

Out: 6.827+/-0.000 χ^2/NDF:585678724629054868

All: -0.041+/-0.000 χ^2/NDF: 1464014934393

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 938.785+/-0.000 χ^2/NDF: 21095899322622440623087024246217506816.0/16

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

Right Out: -1176.817+/-0.000 χ^2/NDF: 22182316009646507312809657000911699968.0/19

Left In: -894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

Left: 155.071+/-0.000 χ^2/NDF: 4092819151469536

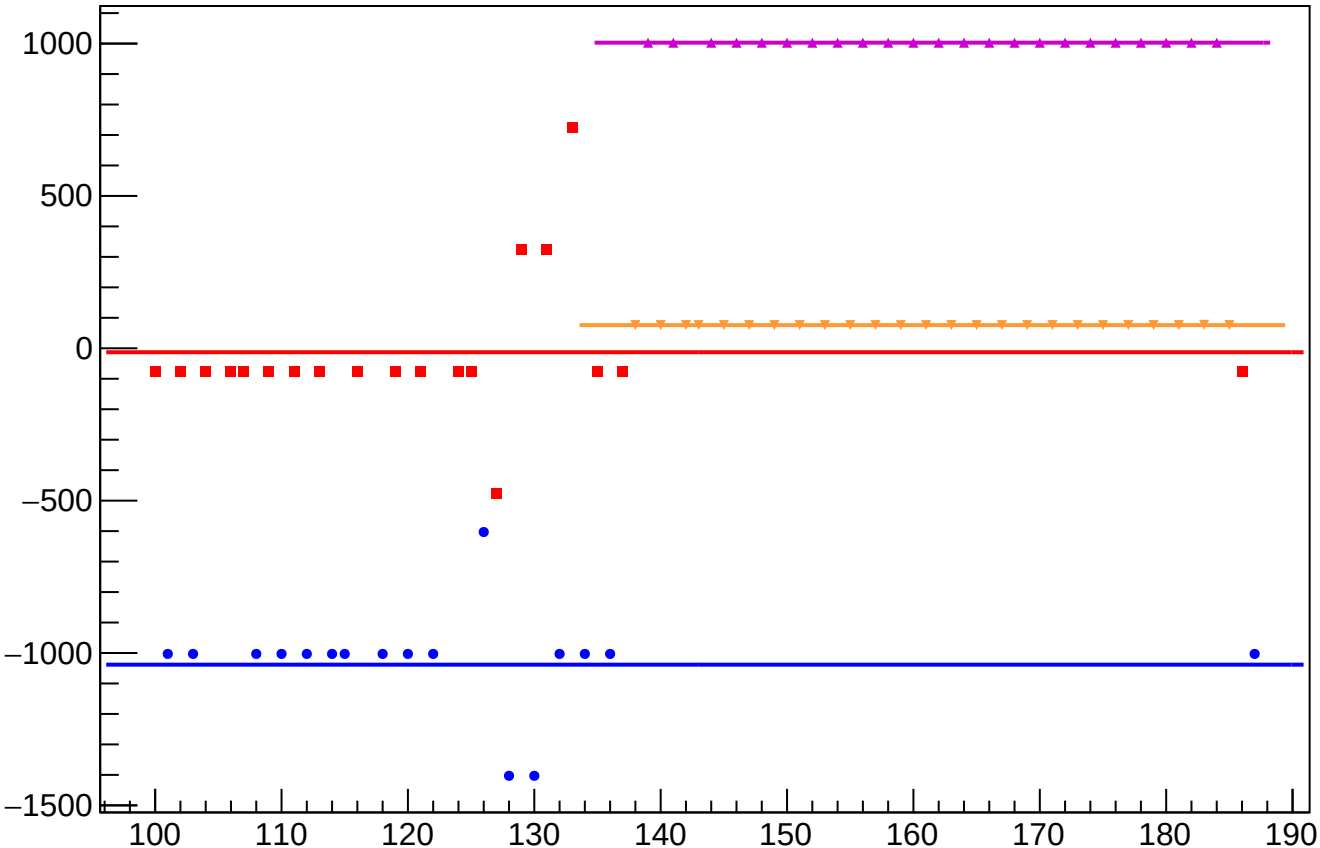
Right: -149.432+/-0.000 χ^2/NDF: 17929760352903

In: -371.602+/-0.000 χ^2/NDF:1859569094713734

Out: 483.645+/-0.000 χ^2/NDF:3127054751183764

All: 68.253+/-0.000 χ^2/NDF: 598953262498

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1038.252+/-0.000 χ^2/NDF: 228946076378556990355855539775964446672.0/16

Right: -510.837+/-0.000 χ^2/NDF: 480124633651648

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 421.090+/-0.000 χ^2/NDF:22868374931194489

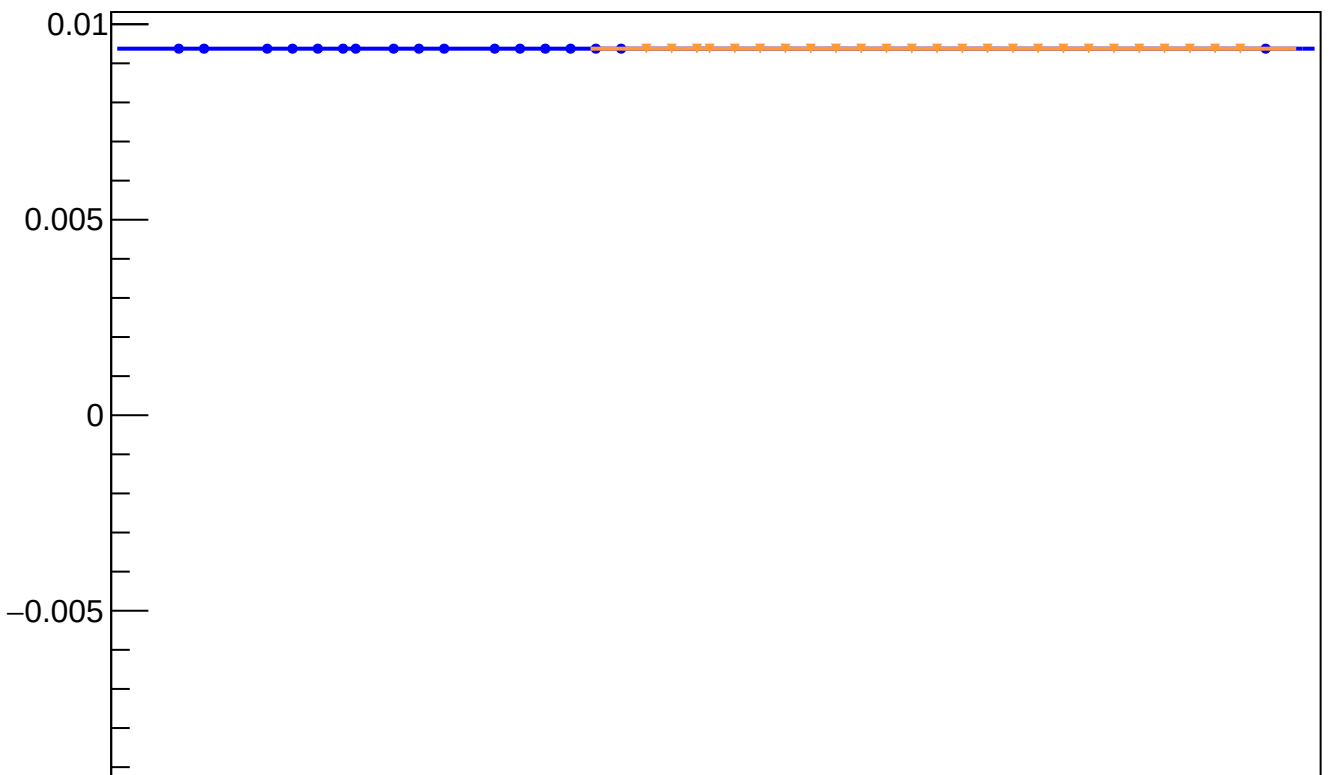
Right Out: -12.905+/-0.000 χ^2/NDF: 462339603478446703290653965892158 75072.0/19

Out: 50.686+/-0.000 χ^2/NDF:5078778363753163 5

Left In: 1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

All: 230.591+/-0.000 χ^2/NDF: 252574320258

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/19

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

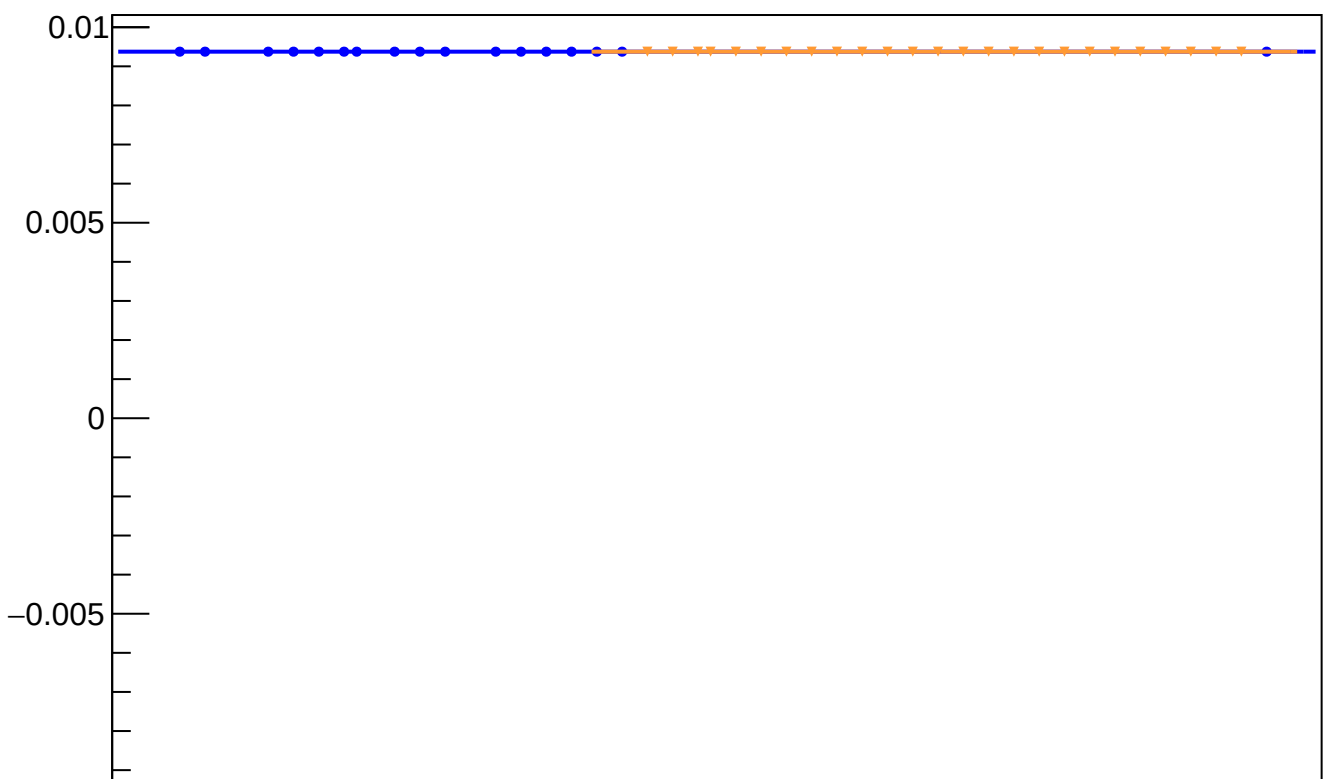
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 13743510383386571

In: -0.004+/-0.000 χ^2/NDF:191020020630157096

Out: 0.004+/-0.000 χ^2/NDF:202305974362380035

All: 0.000+/-0.000 χ^2/NDF: 48235976213791



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/19

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 1374351038338657

In: -0.004+/-0.000 χ^2/NDF:191020020630157096

Out: 0.004+/-0.000 χ^2/NDF:202305974362380035

All: 0.000+/-0.000 χ^2/NDF: 48235976213791